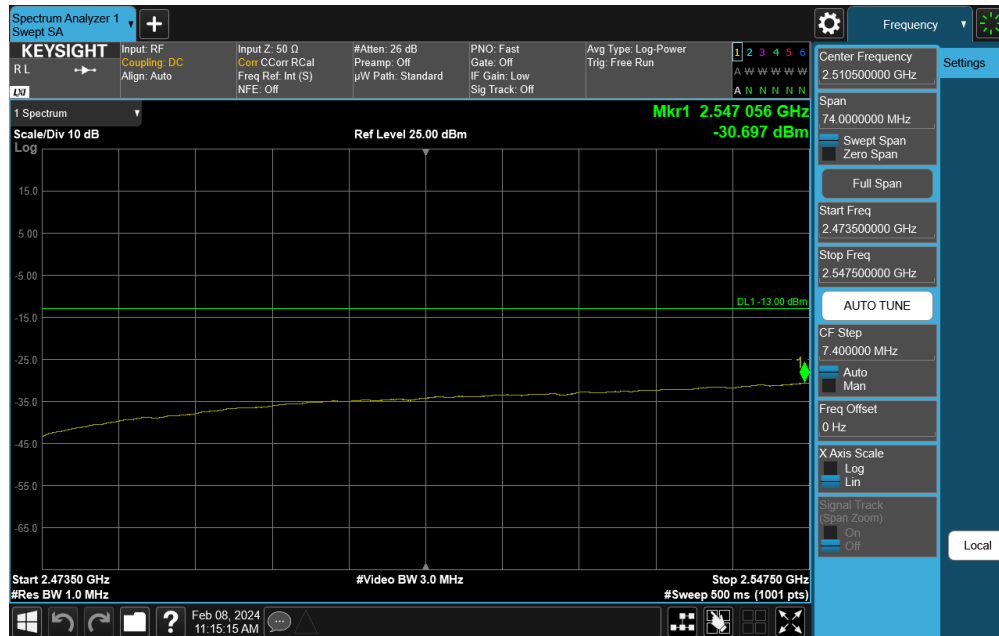
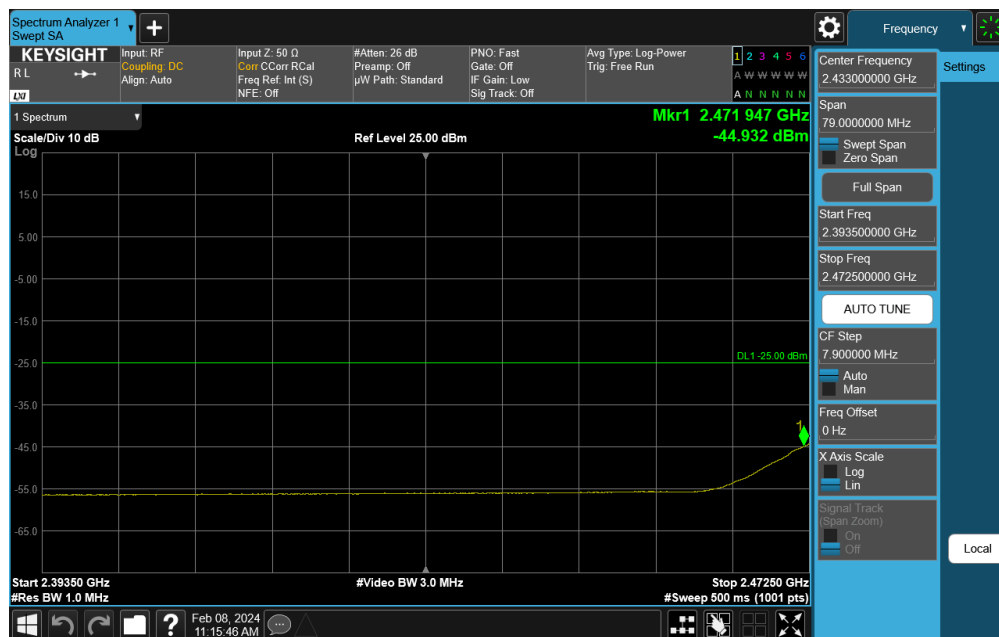




Plot 7-841. Middle Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

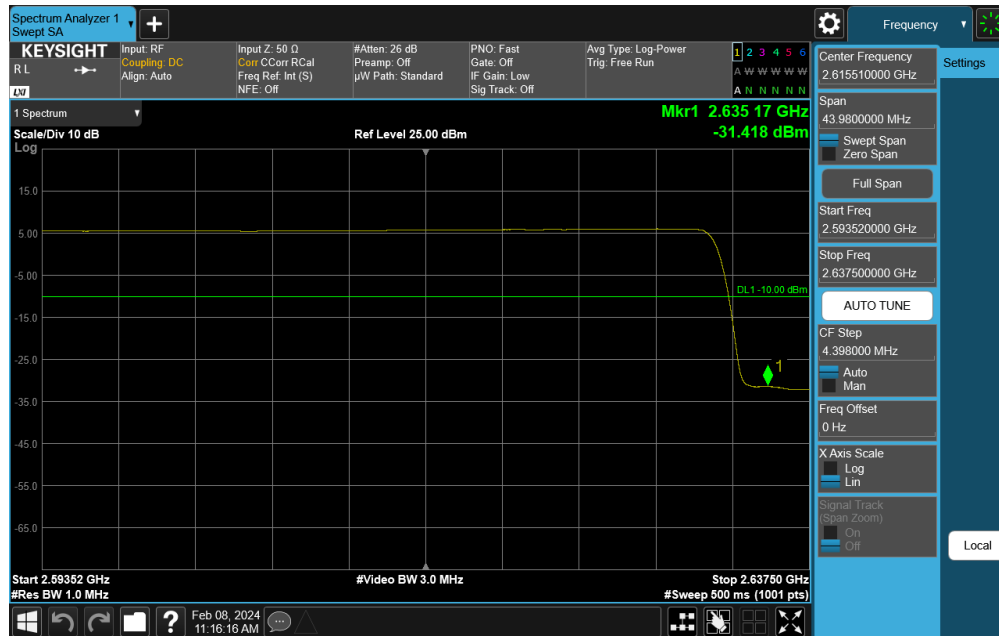


Plot 7-842. Middle Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

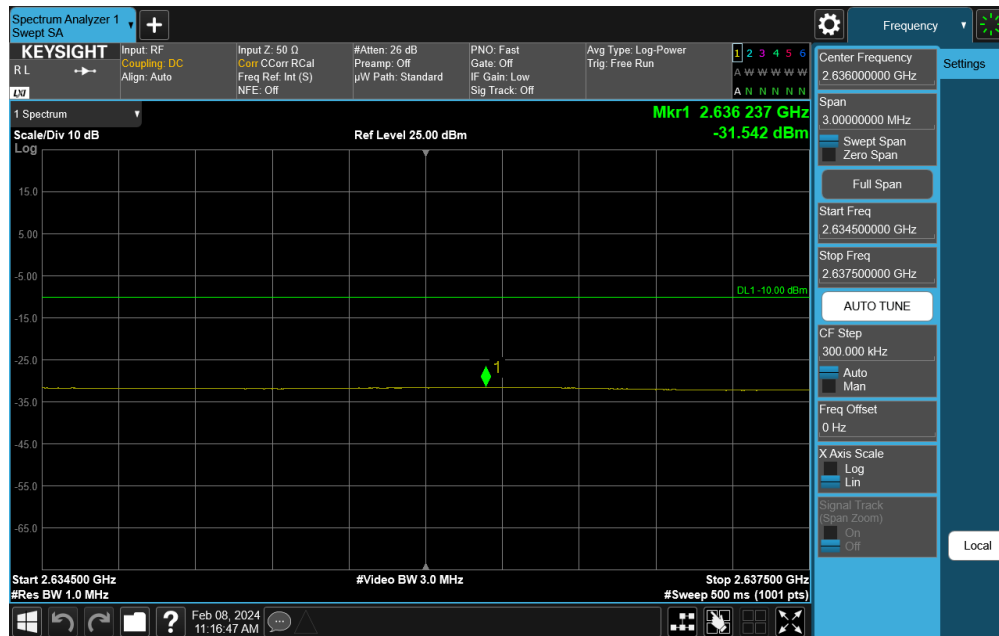
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|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 446 of 572                   |

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Plot 7-843. Middle Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

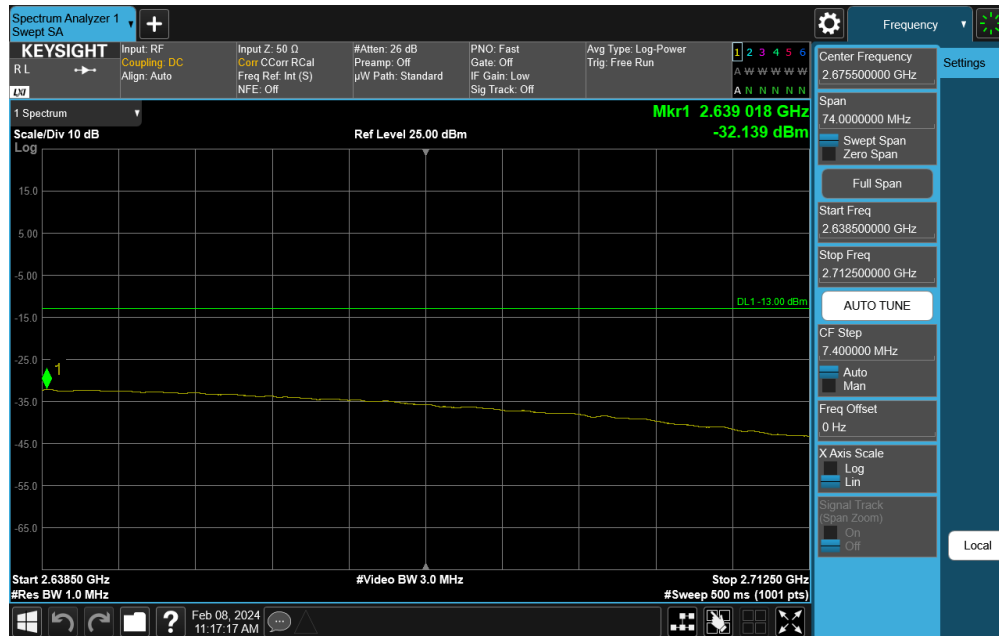


Plot 7-844. Middle Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

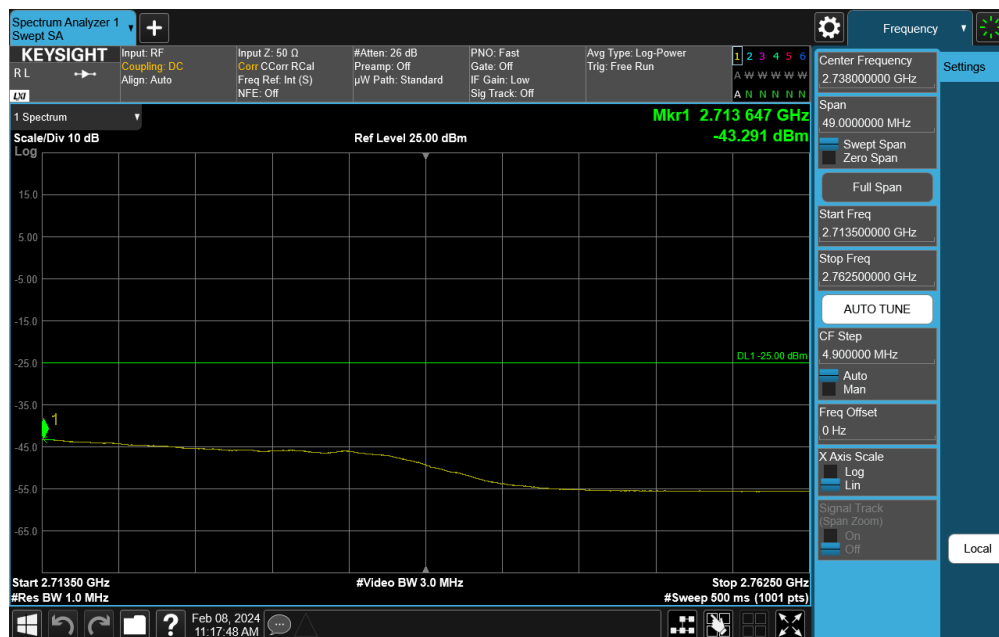
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|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 447 of 572                   |

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Plot 7-845. Middle Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

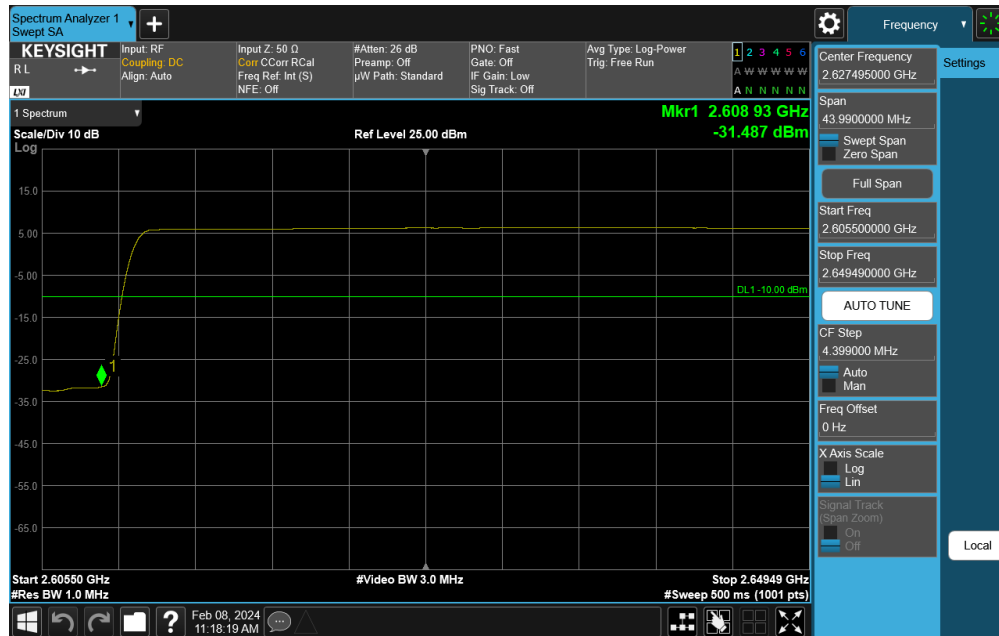


Plot 7-846. Middle Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

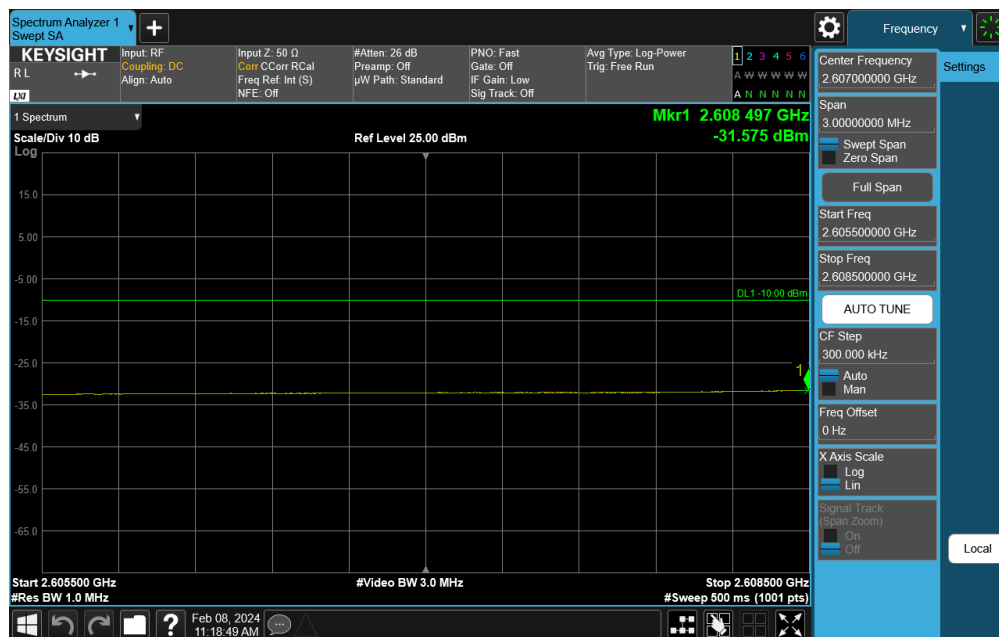
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|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
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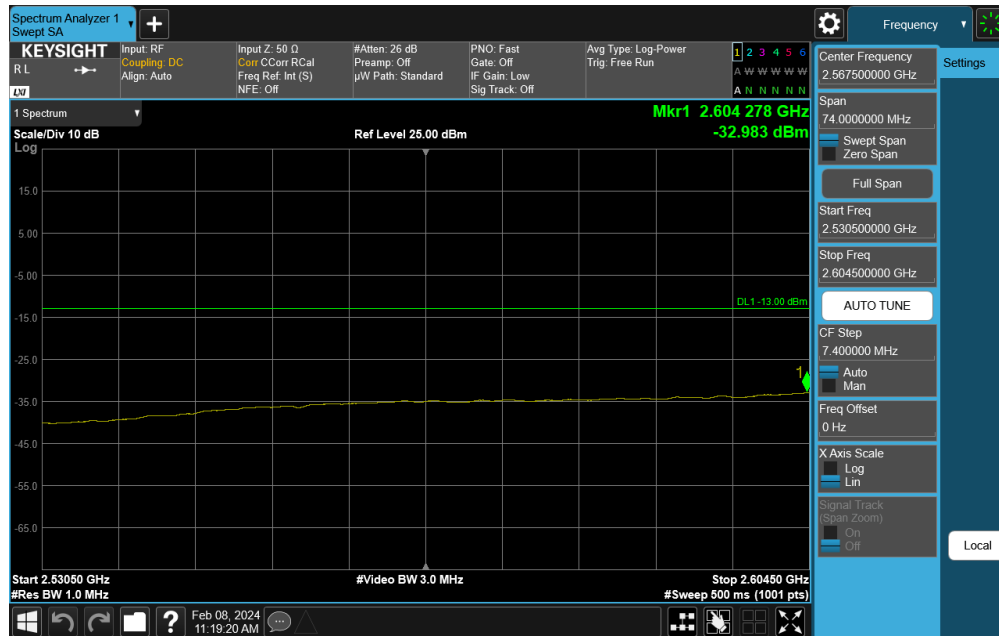
Plot 7-847. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)



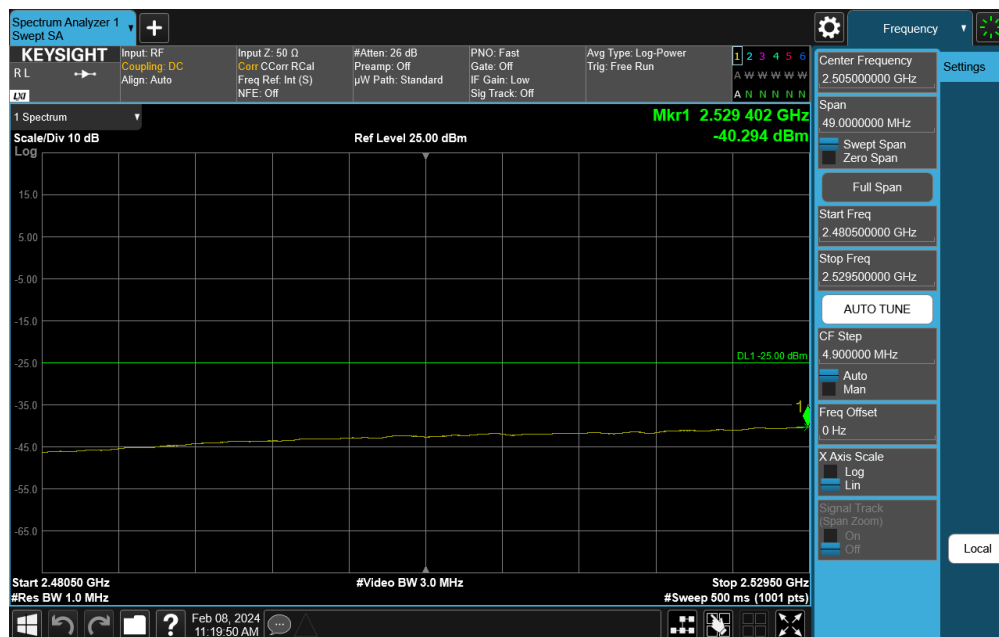
Plot 7-848. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 449 of 572                   |

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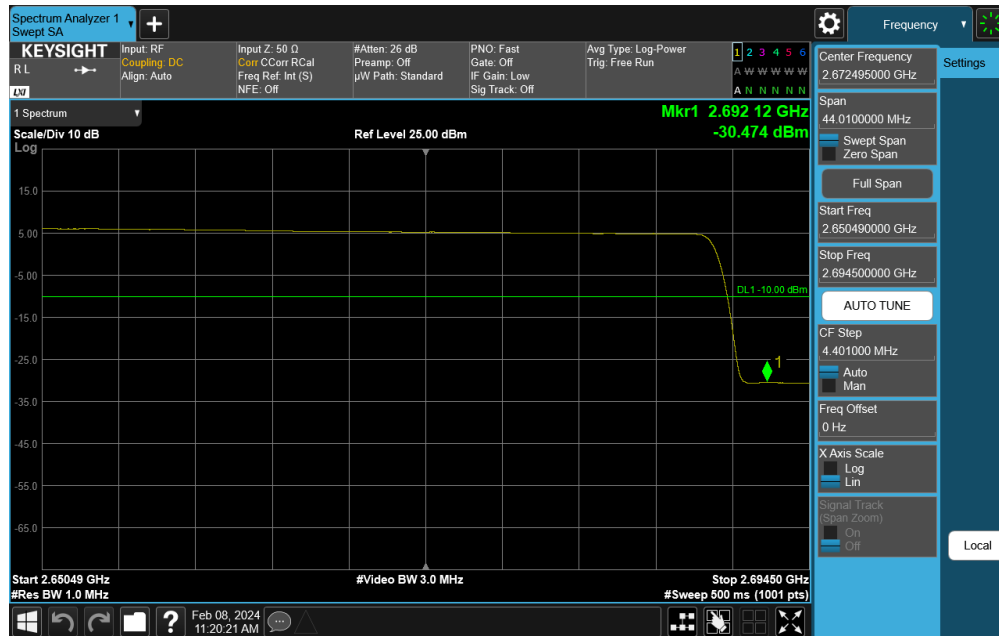
Plot 7-849. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)



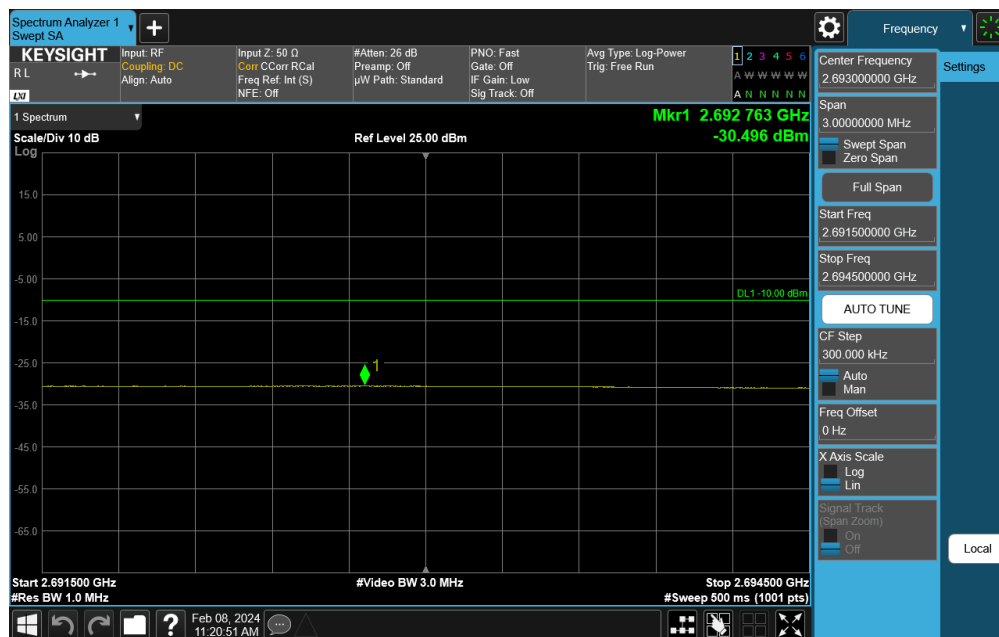
Plot 7-850. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
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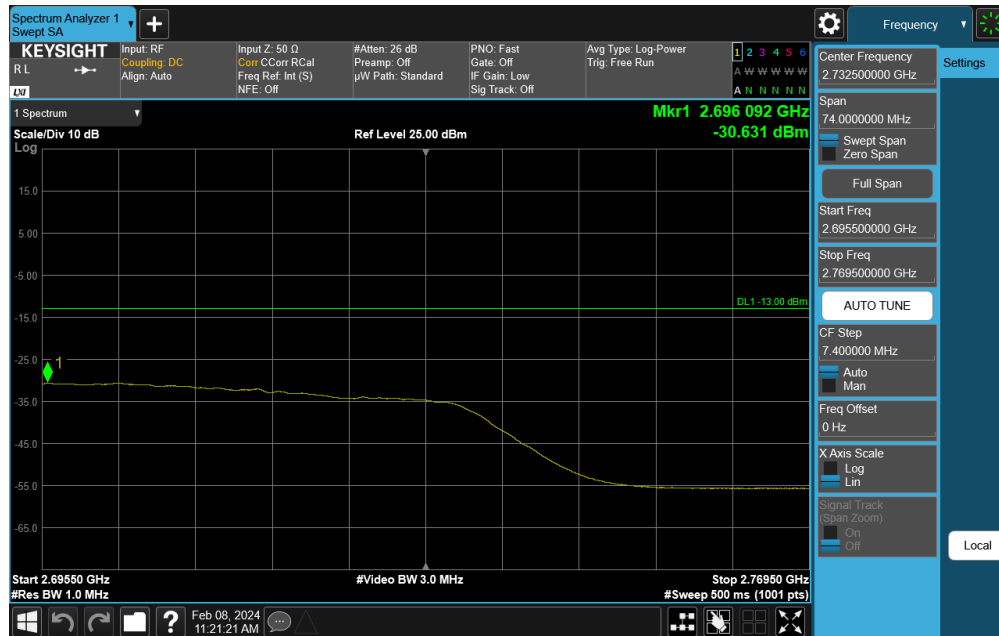
Plot 7-851. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-852. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
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Plot 7-853. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

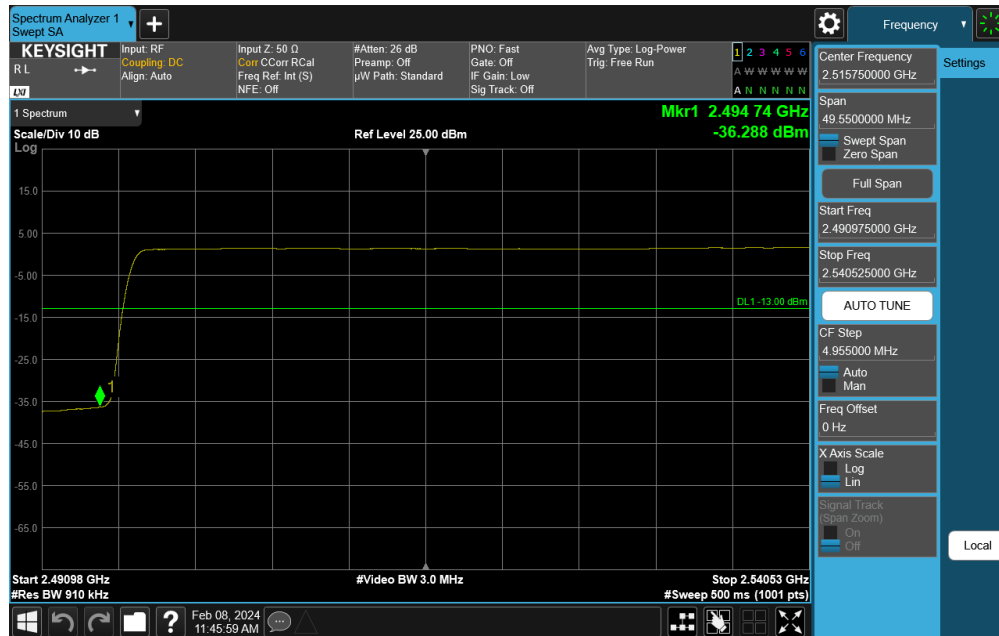


Plot 7-854. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM QPSK – Full RB)

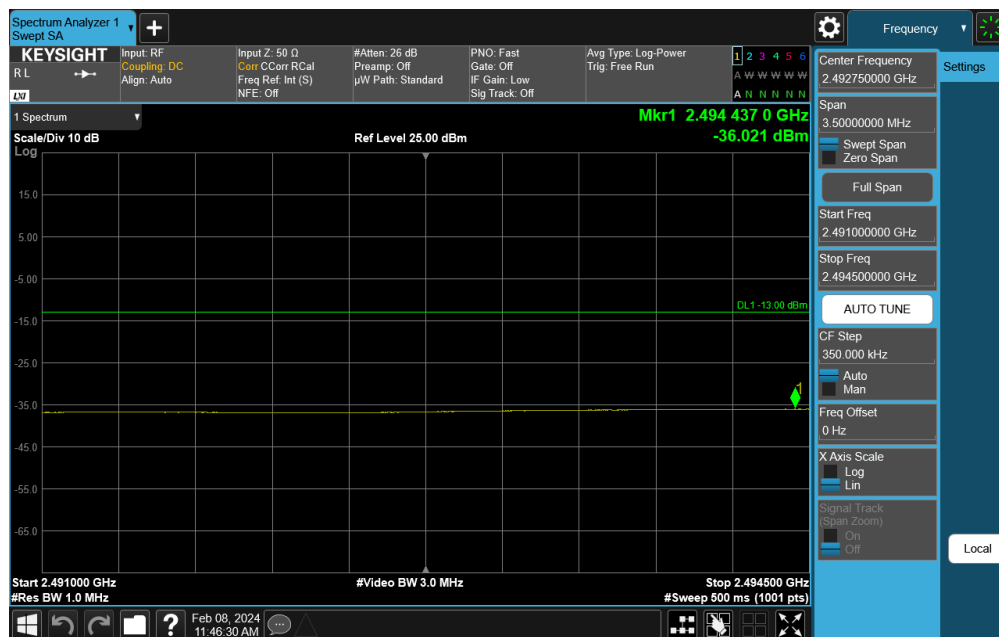
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|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | element                               | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
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Plot 7-855. Lower Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

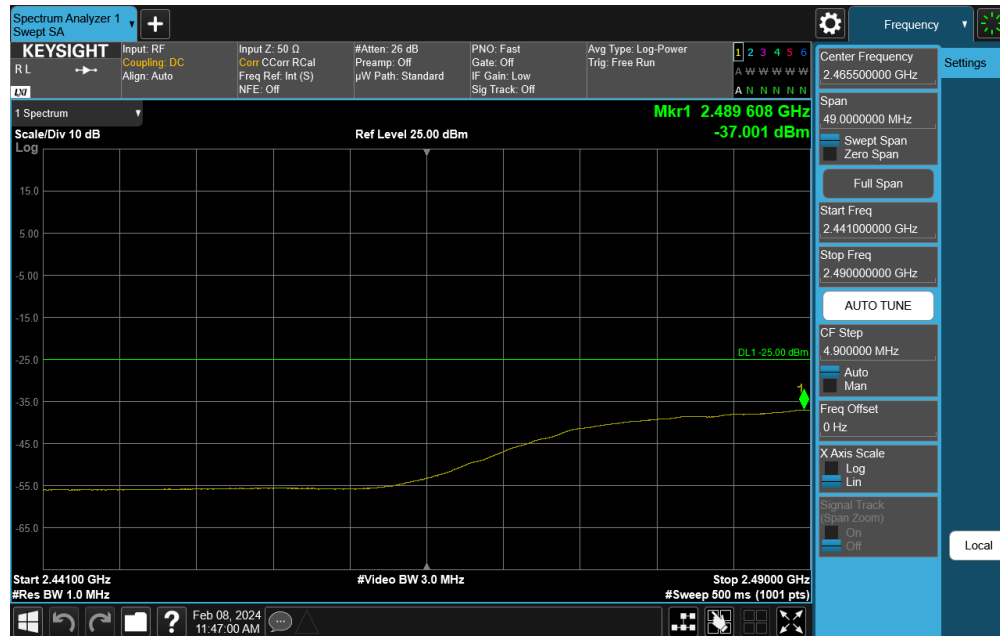


Plot 7-856. Lower Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

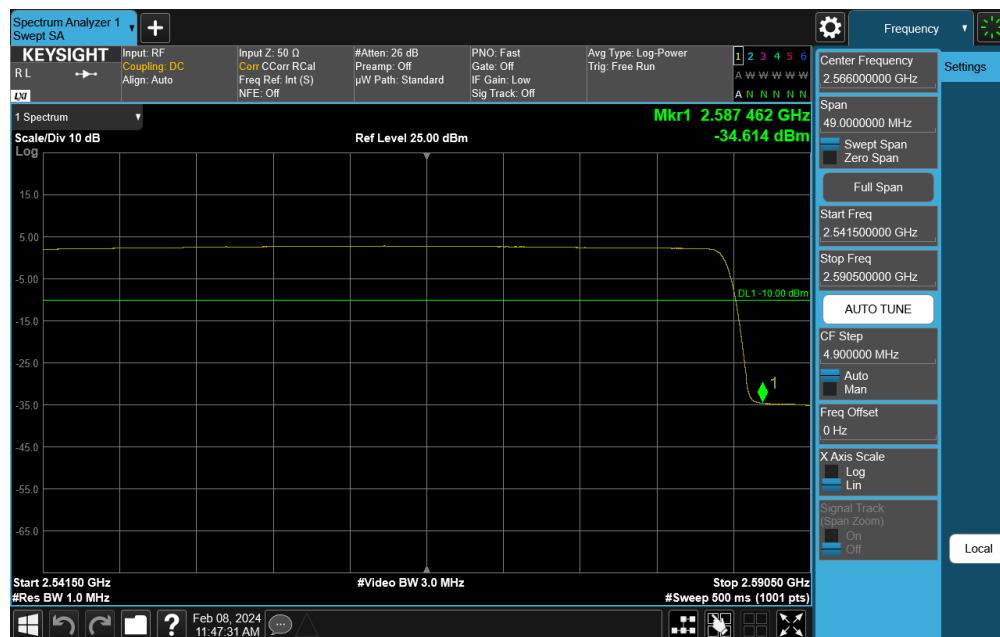
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|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
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Plot 7-857. Lower Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

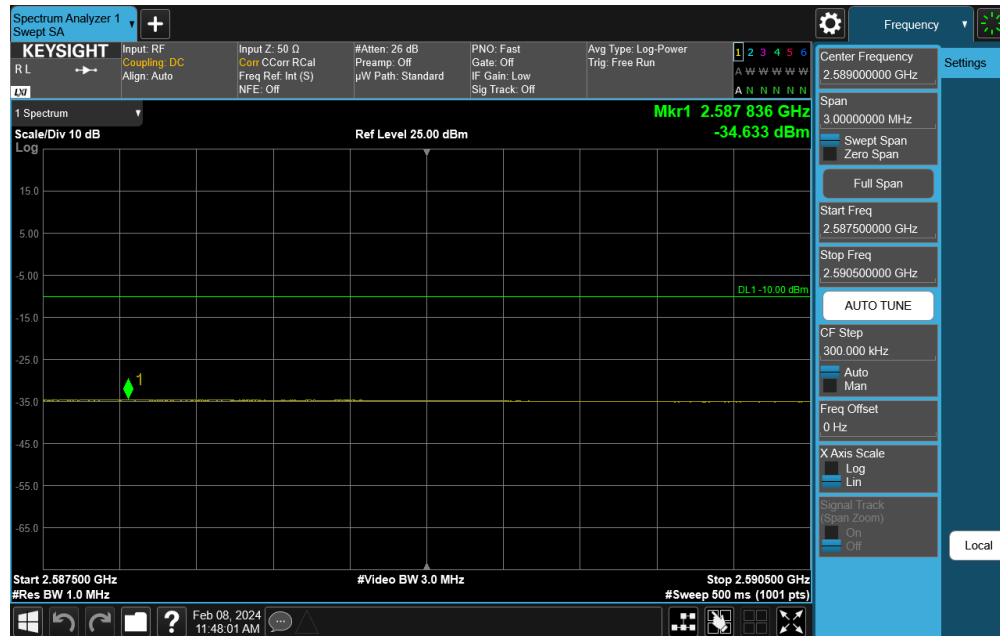


Plot 7-858. Lower Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

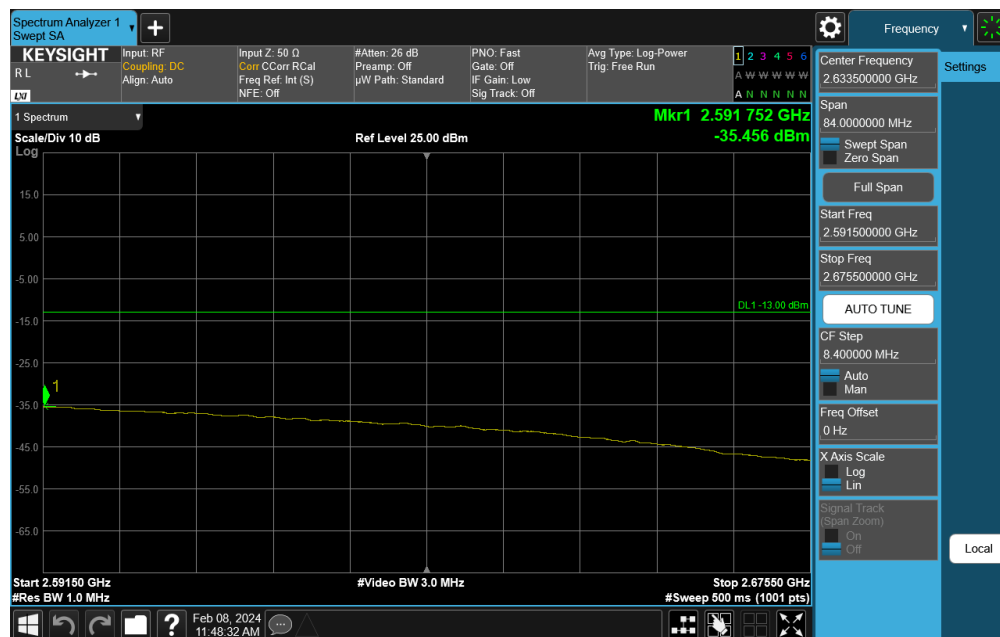
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|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
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Plot 7-859. Lower Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

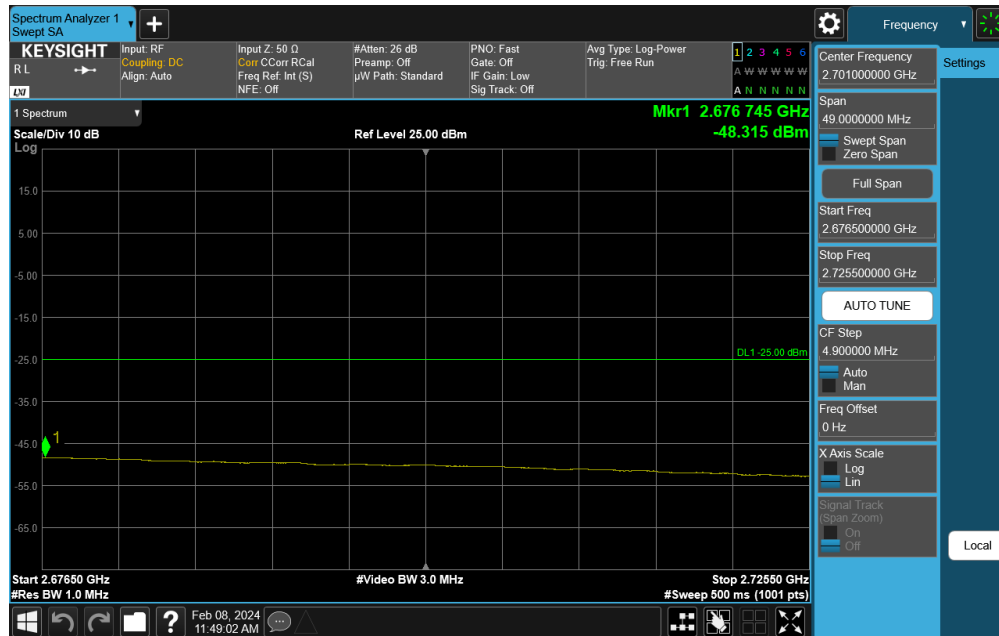


Plot 7-860. Lower Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

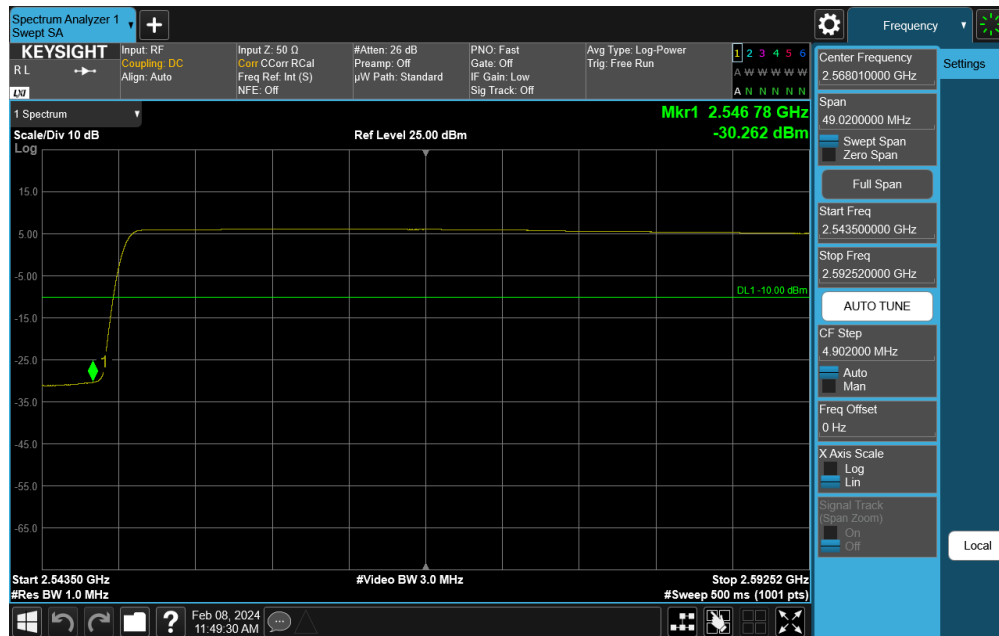
|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
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Plot 7-861. Lower Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

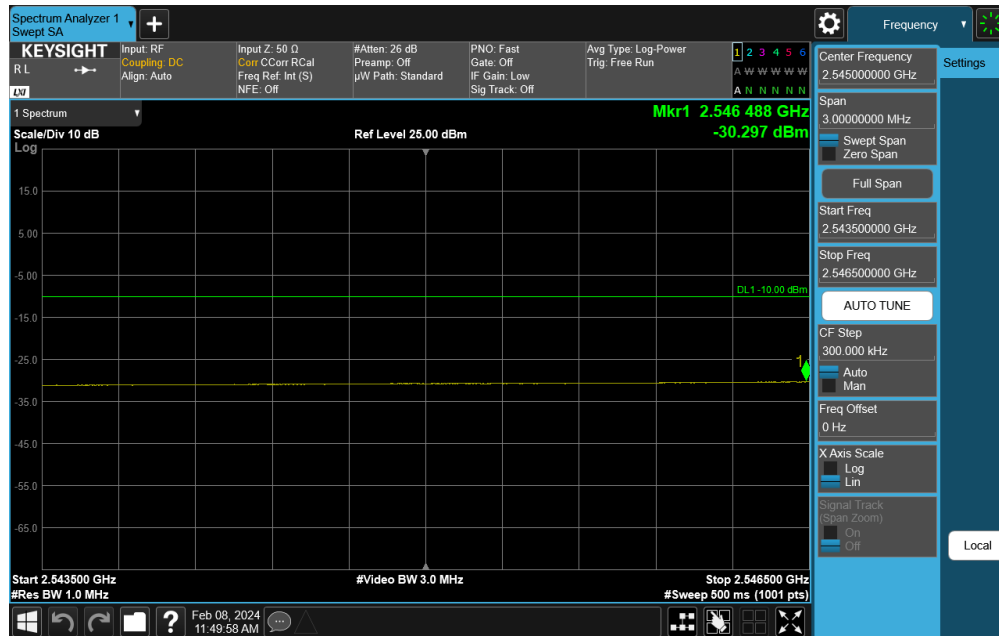


Plot 7-862. Middle Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

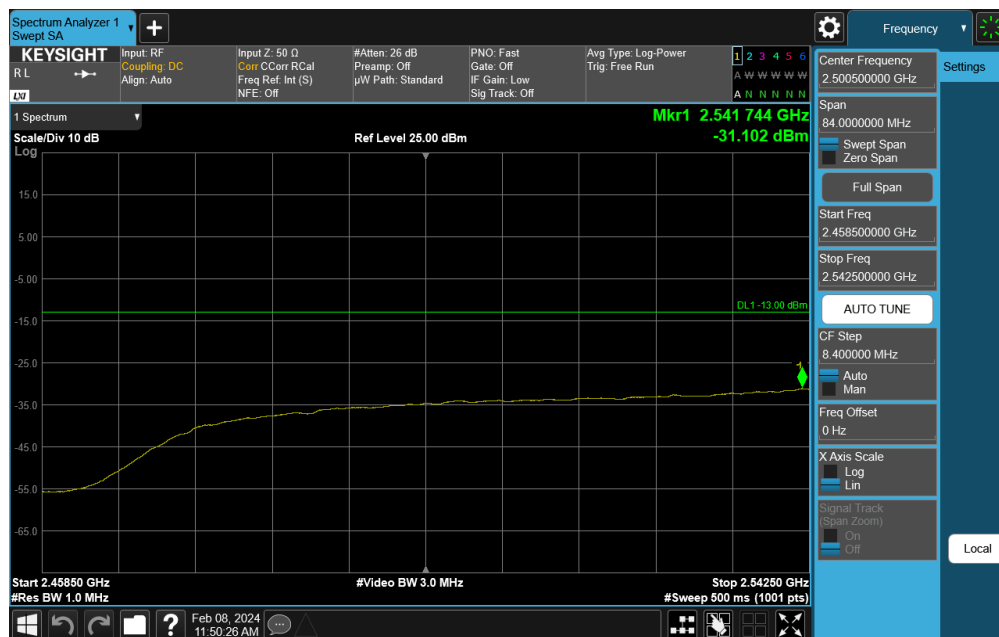
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| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024 | EUT Type:<br>Tablet Device | Page 456 of 572                   |

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Plot 7-863. Middle Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

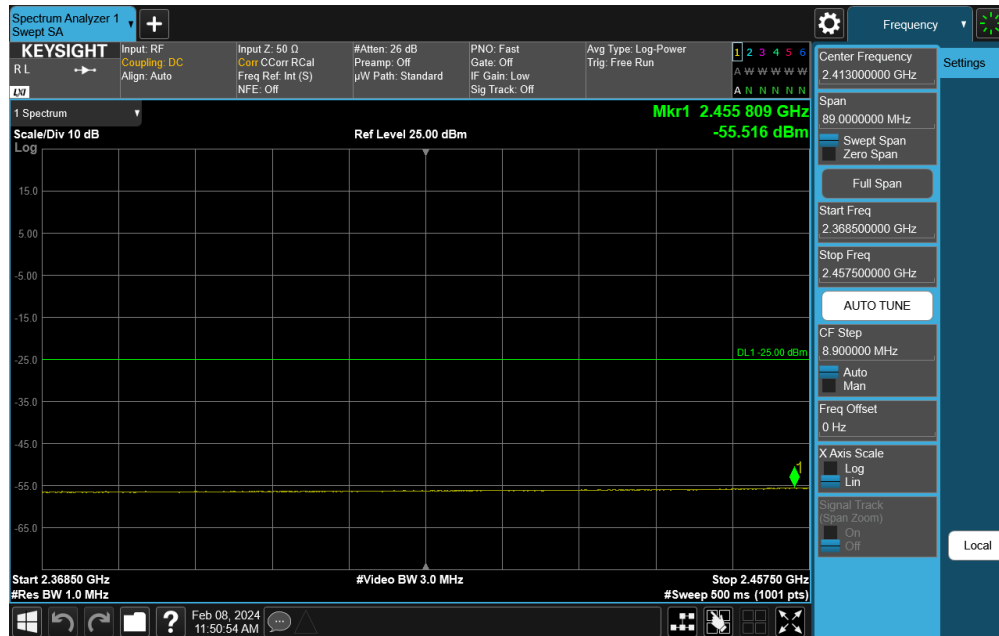


Plot 7-864. Middle Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

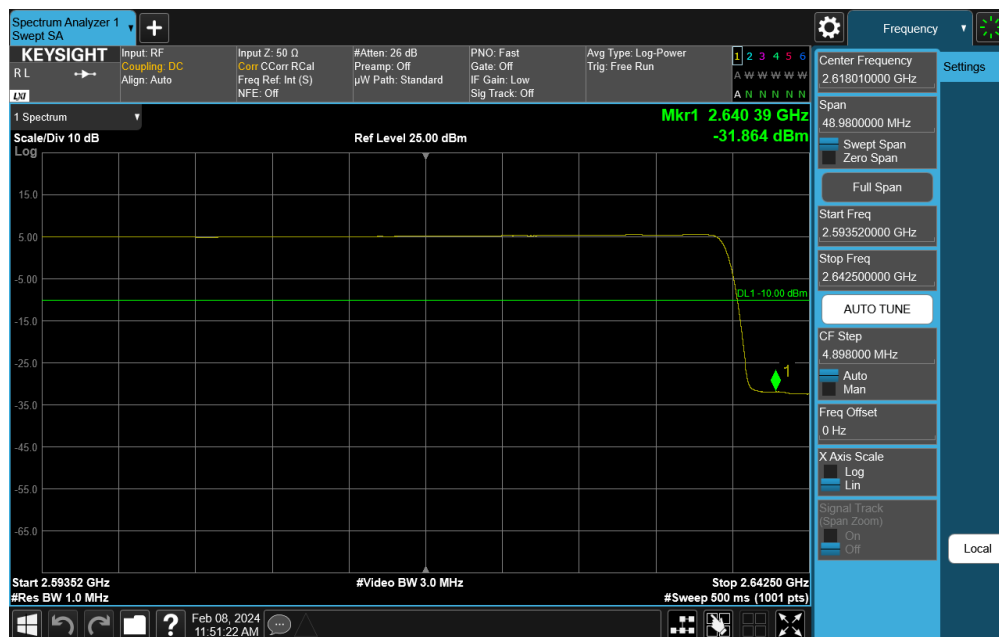
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Plot 7-865. Middle Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

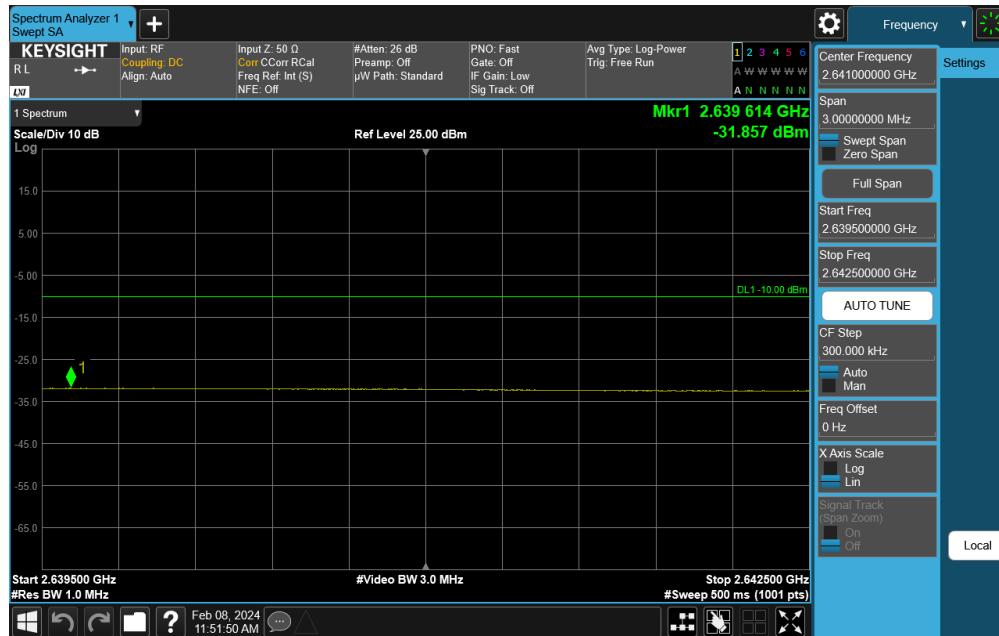


Plot 7-866. Middle Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

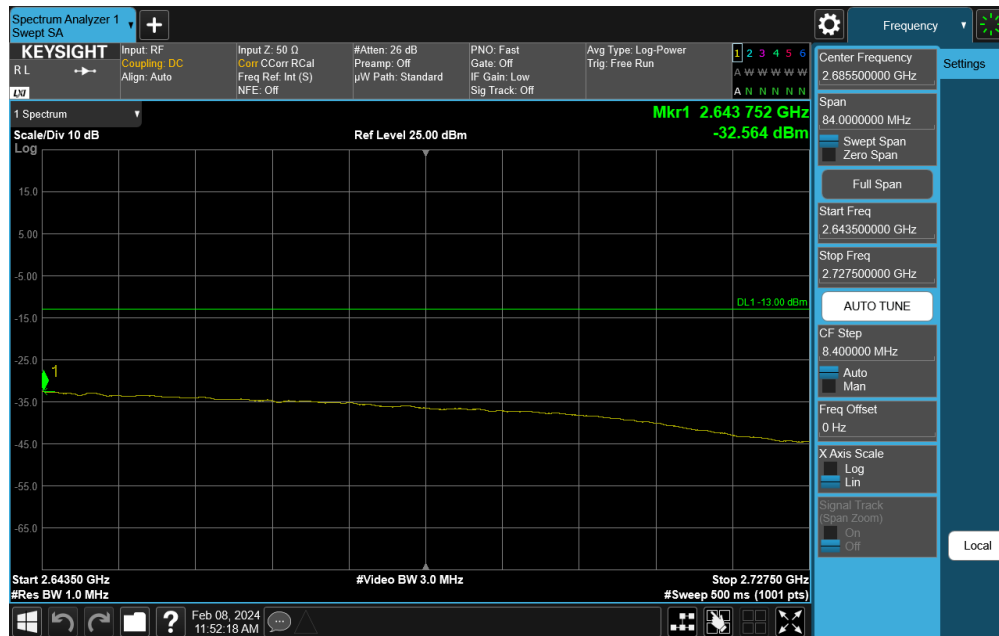
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| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 458 of 572                   |

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Plot 7-867. Middle Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

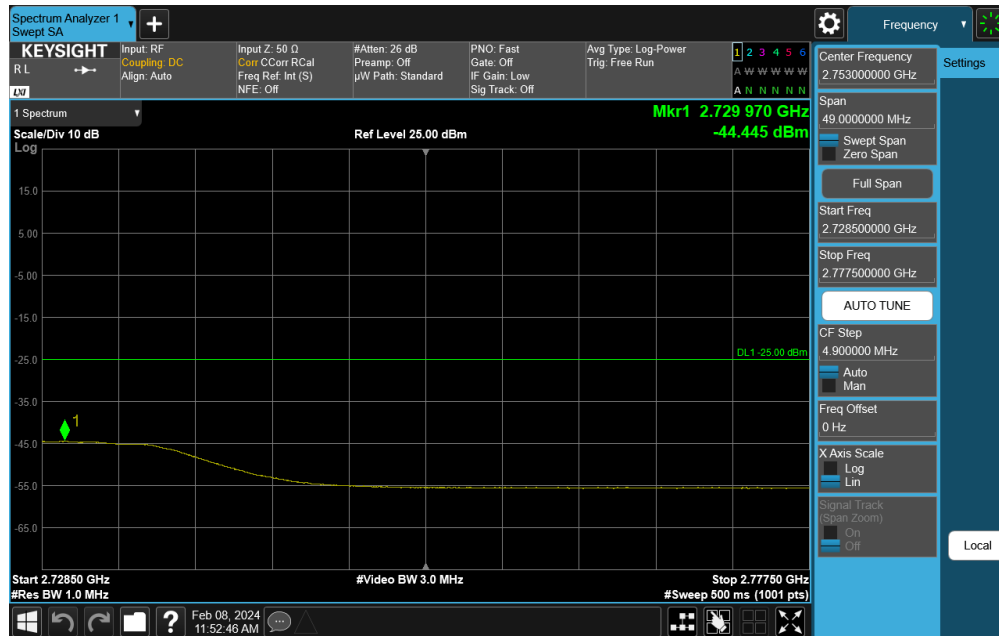


Plot 7-868. Middle Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

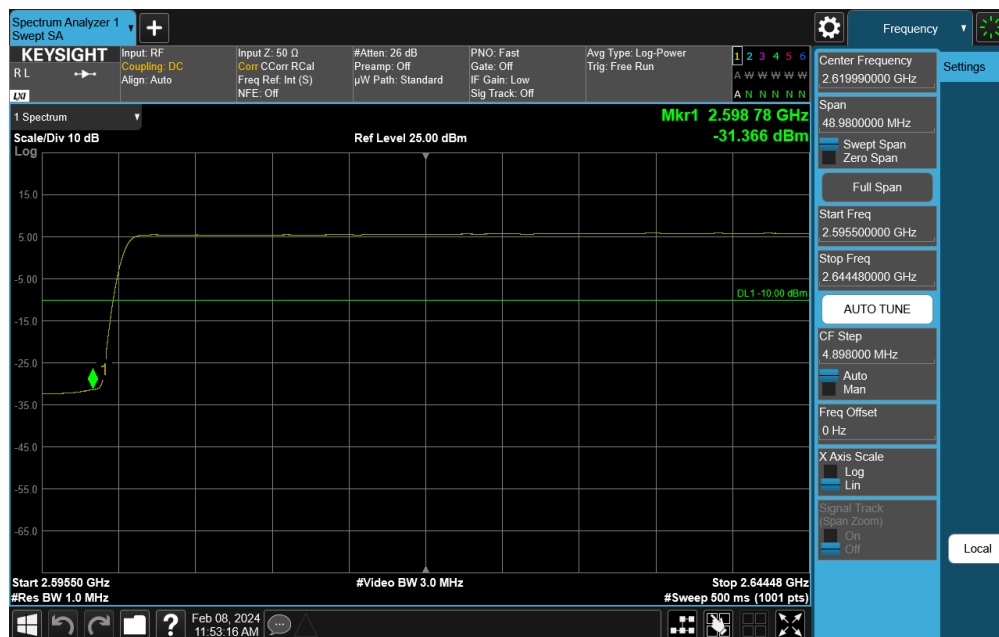
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|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
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Plot 7-869. Middle Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

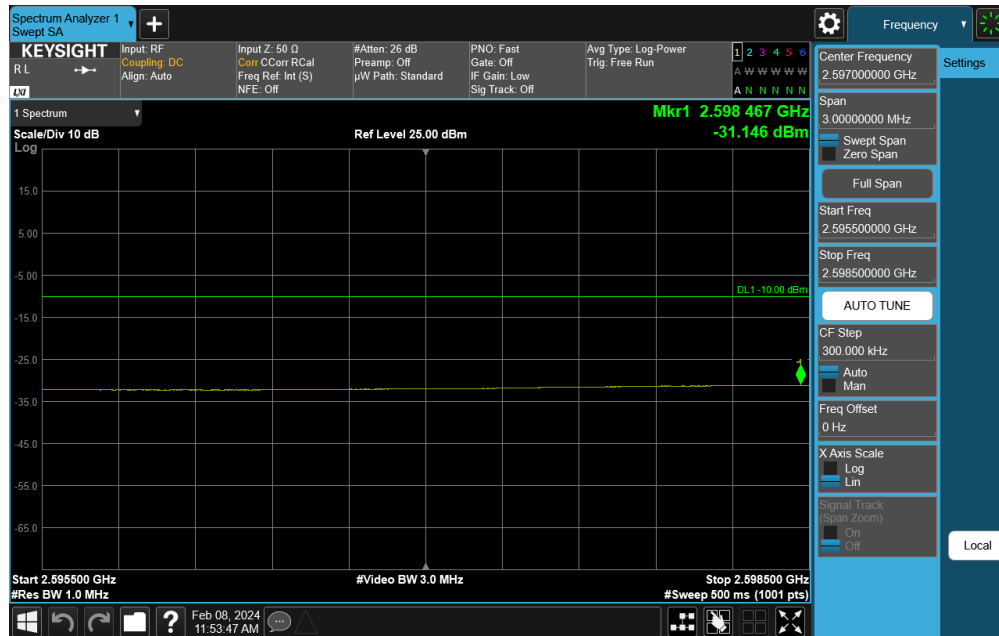


Plot 7-870. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

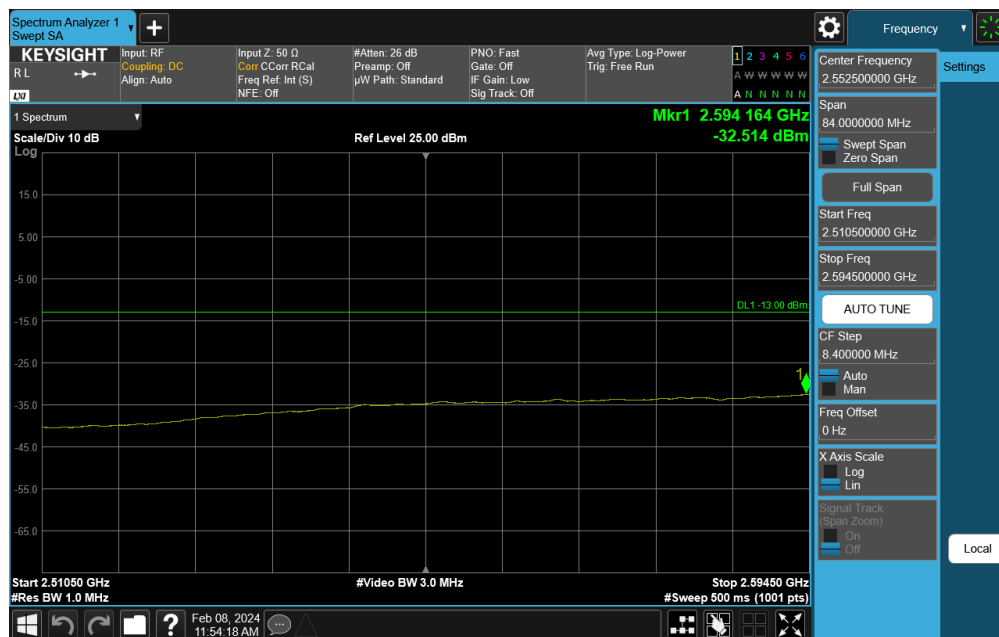
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|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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Plot 7-871. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

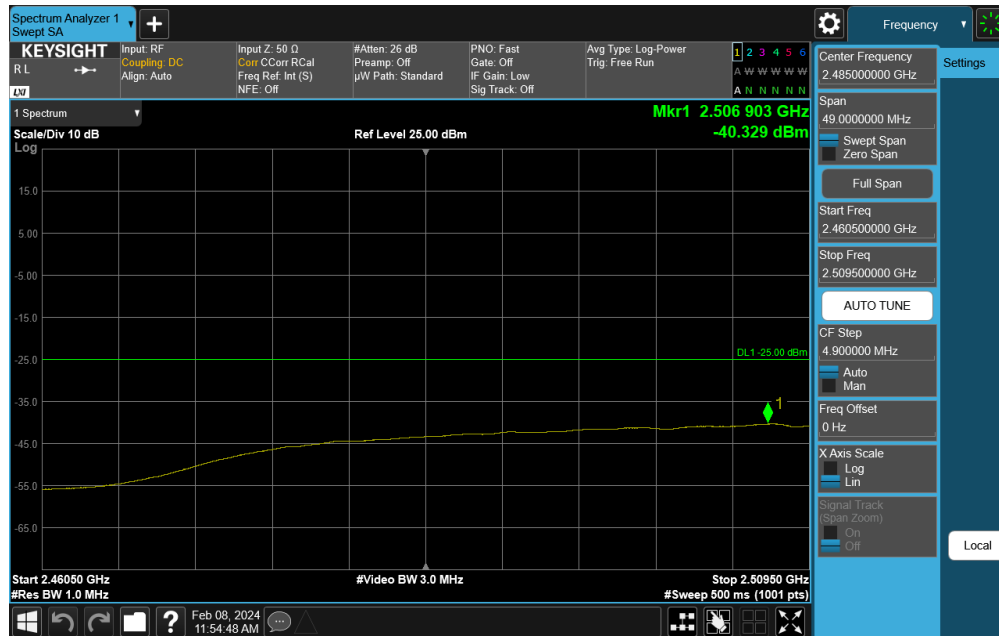


Plot 7-872. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

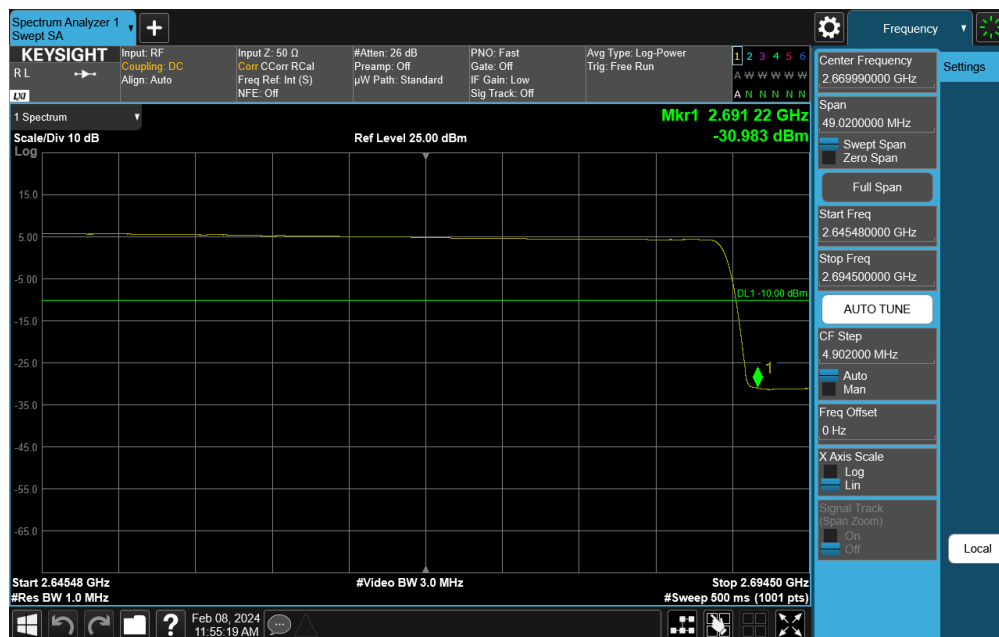
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|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
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Plot 7-873. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

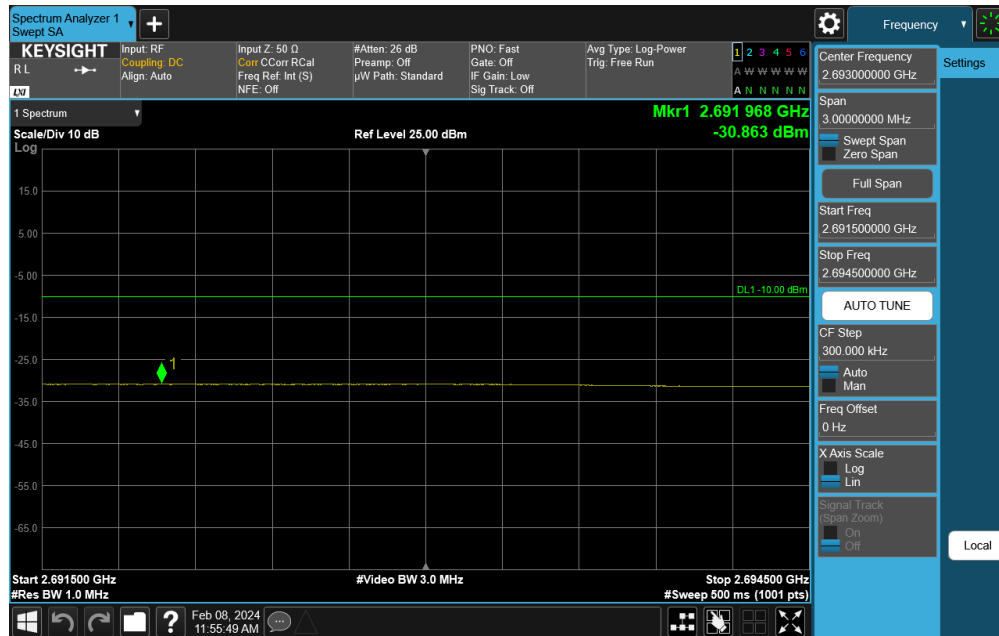


Plot 7-874. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

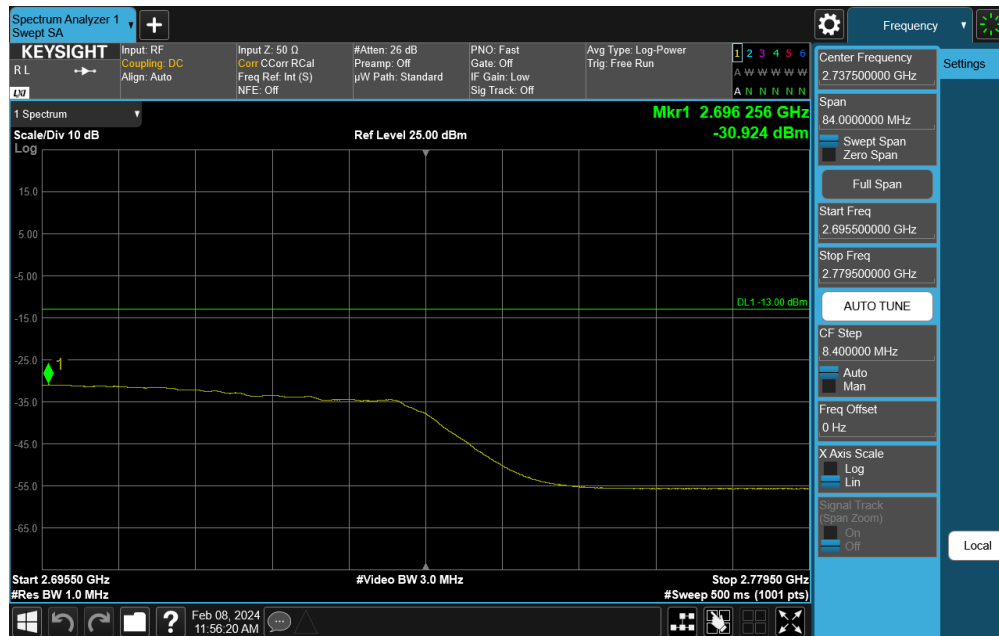
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|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024 | EUT Type:<br>Tablet Device | Page 462 of 572                   |

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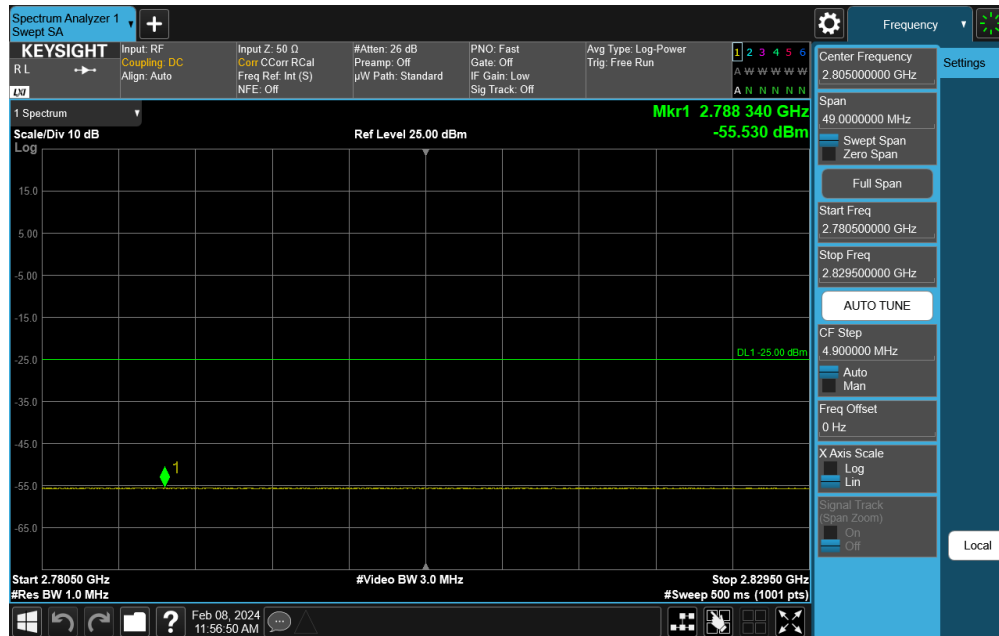
Plot 7-875. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)



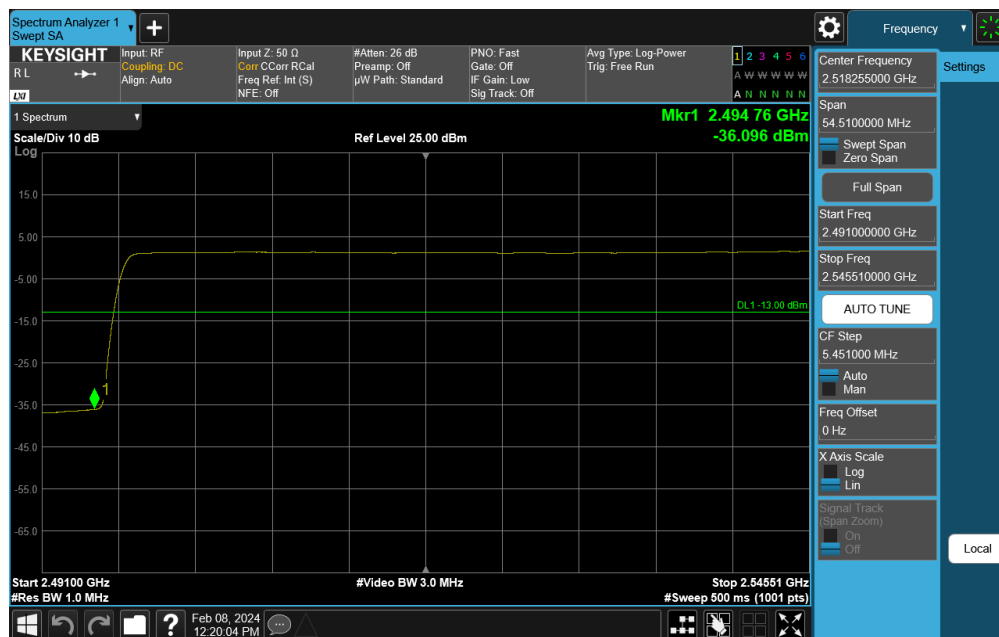
Plot 7-876. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024 | EUT Type:<br>Tablet Device | Page 463 of 572                   |

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Plot 7-877. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)

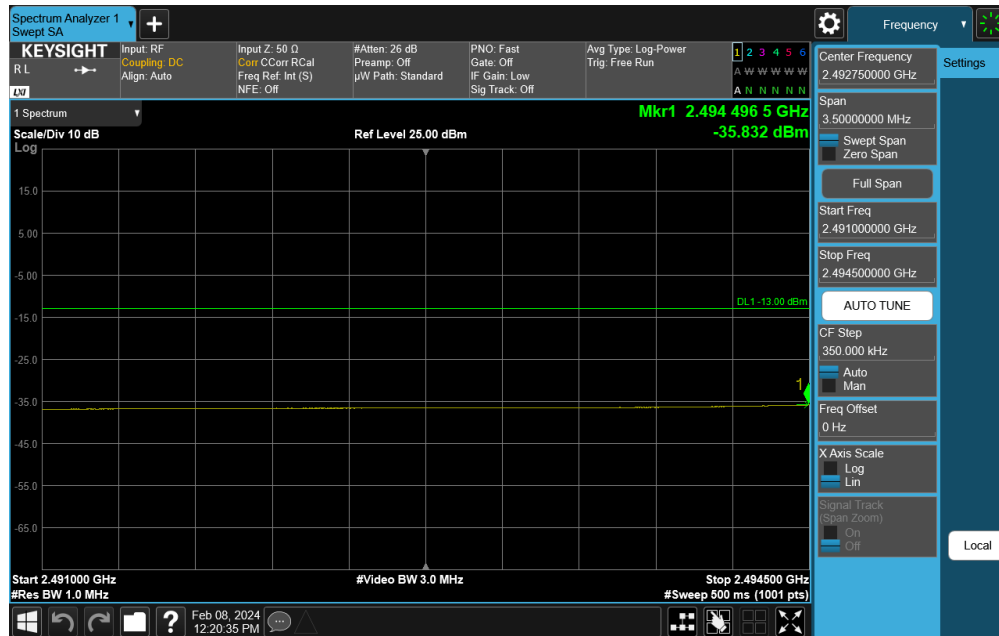


Plot 7-878. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

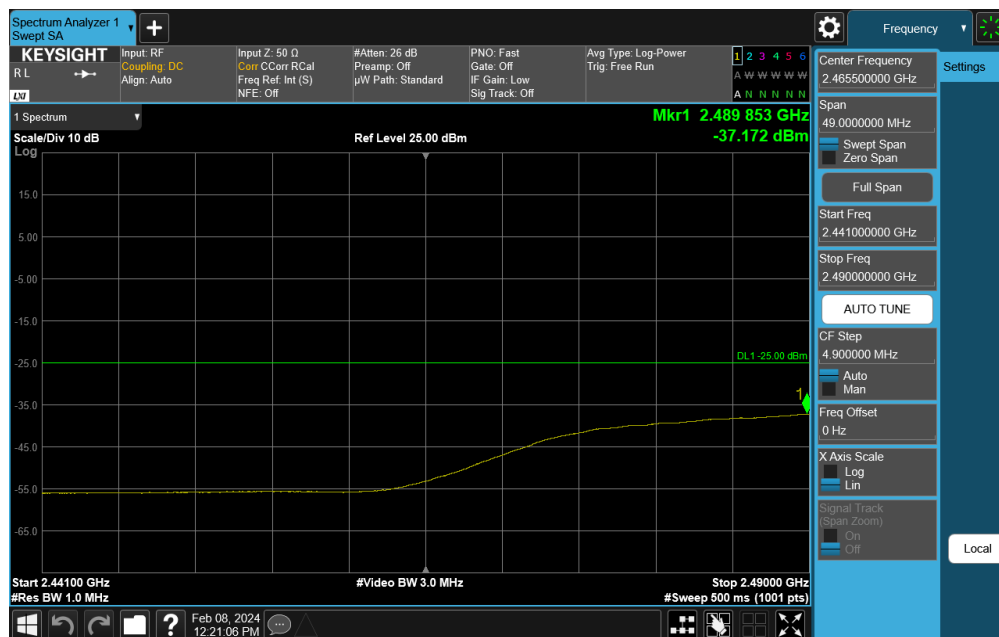
|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024 | EUT Type:<br>Tablet Device | Page 464 of 572                   |

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Plot 7-879. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

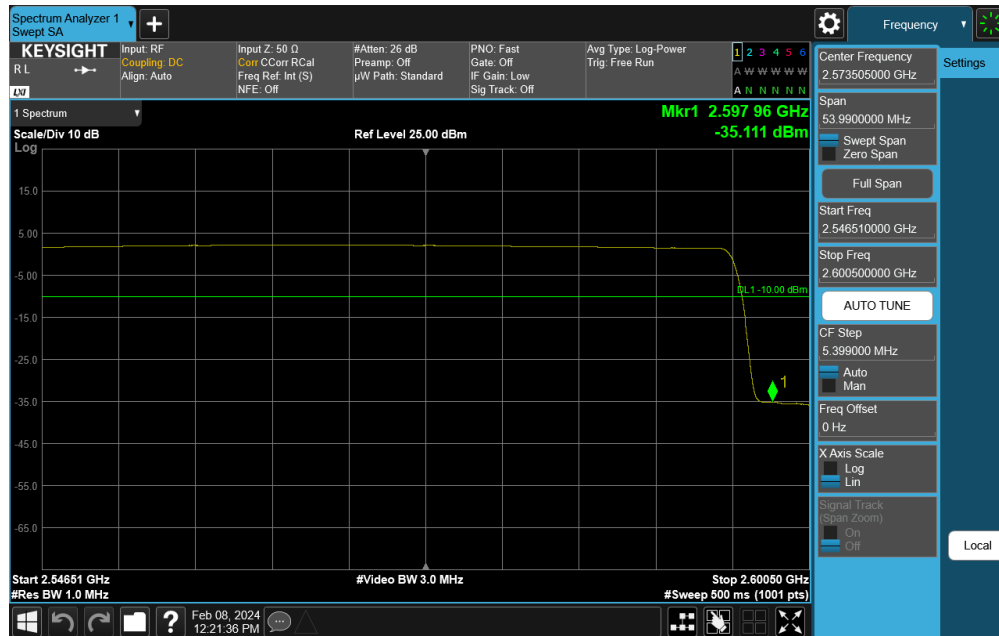


Plot 7-880. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

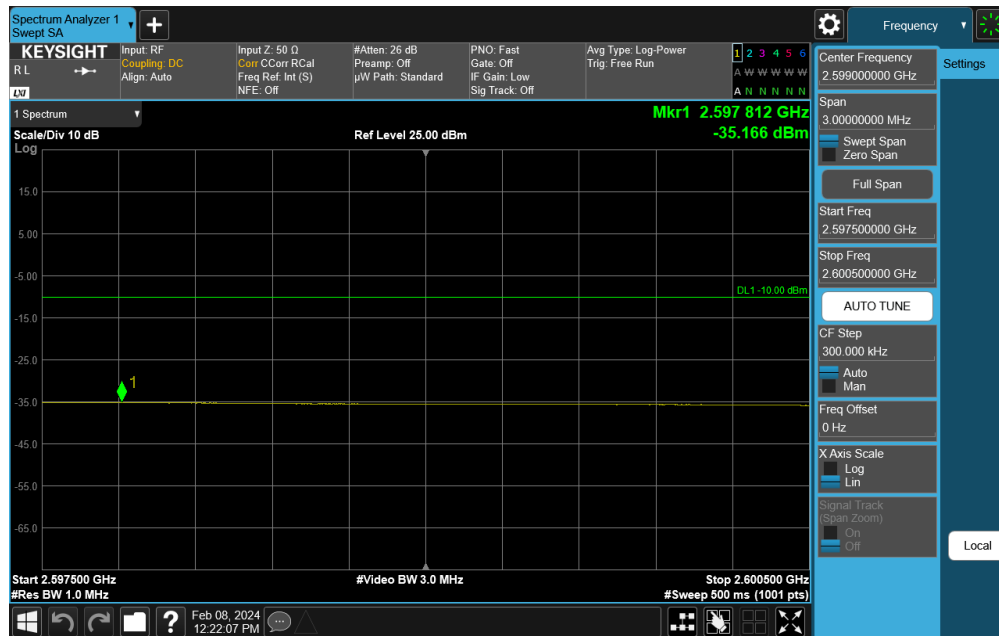
|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 465 of 572                   |

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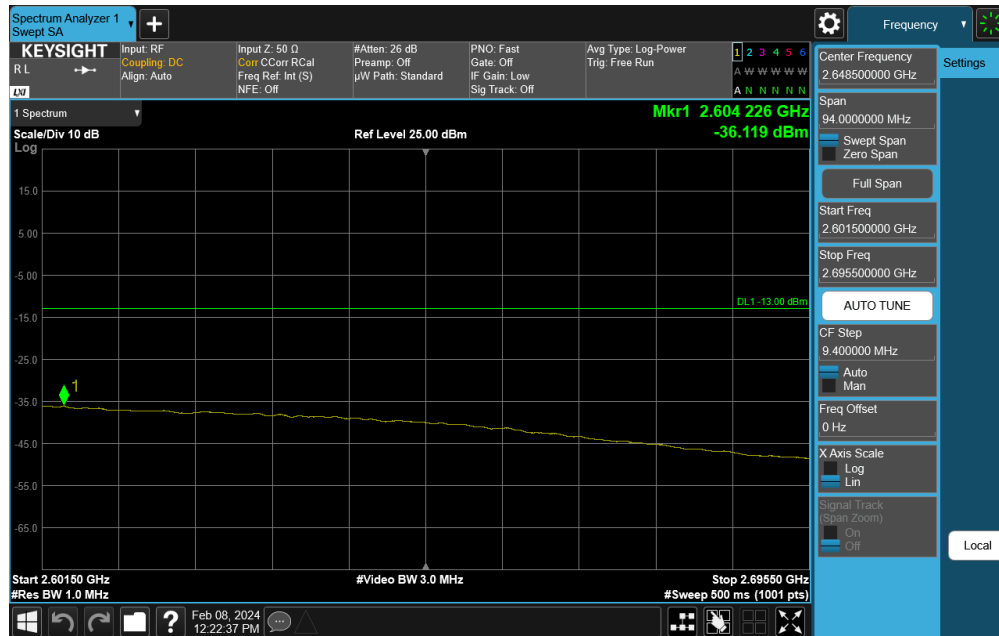
Plot 7-881. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



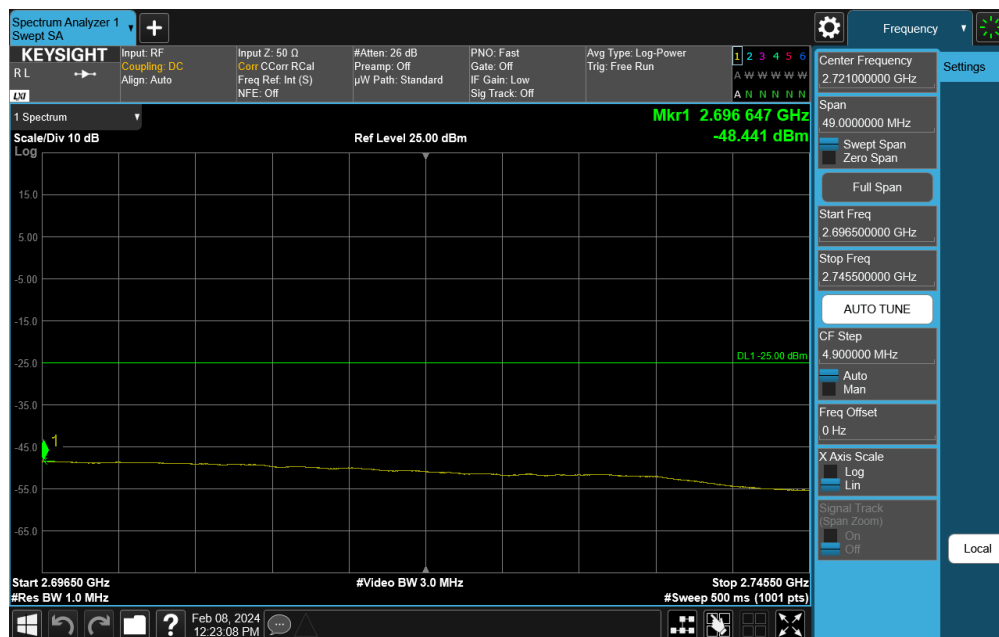
Plot 7-882. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 466 of 572                   |

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Plot 7-883. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

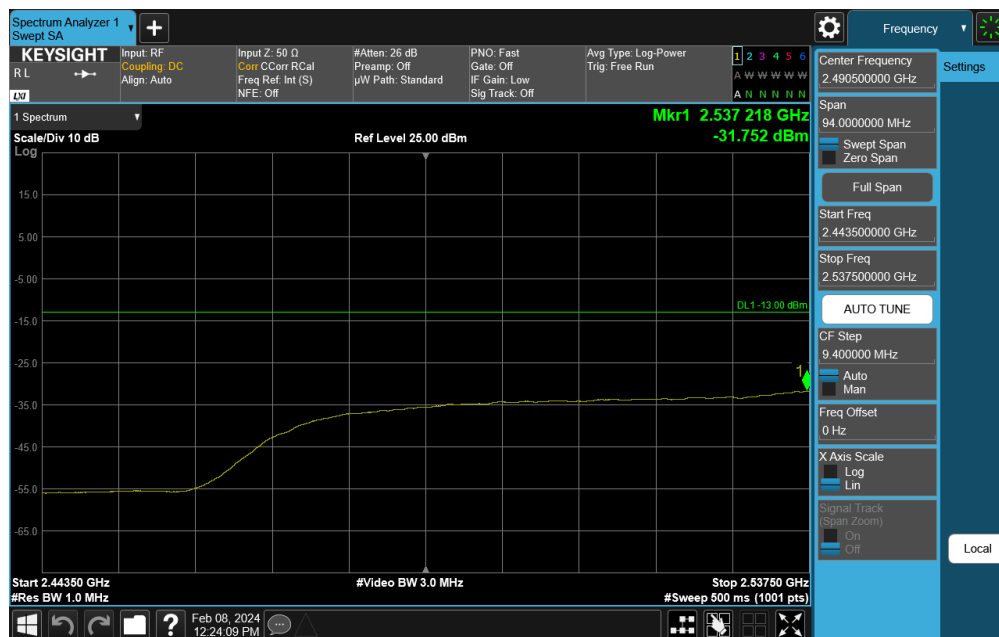
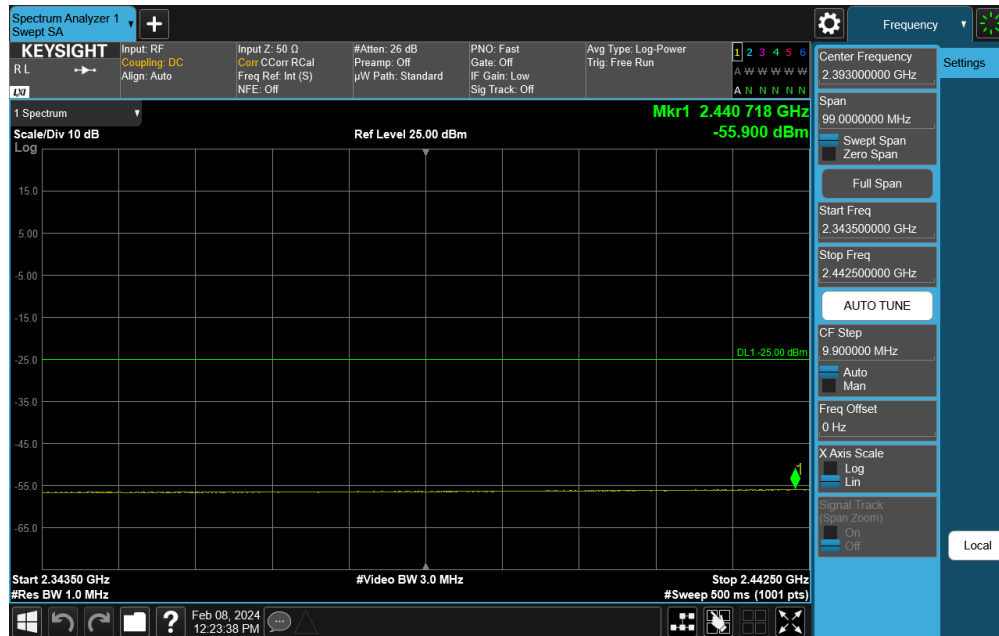


Plot 7-884. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 467 of 572                   |

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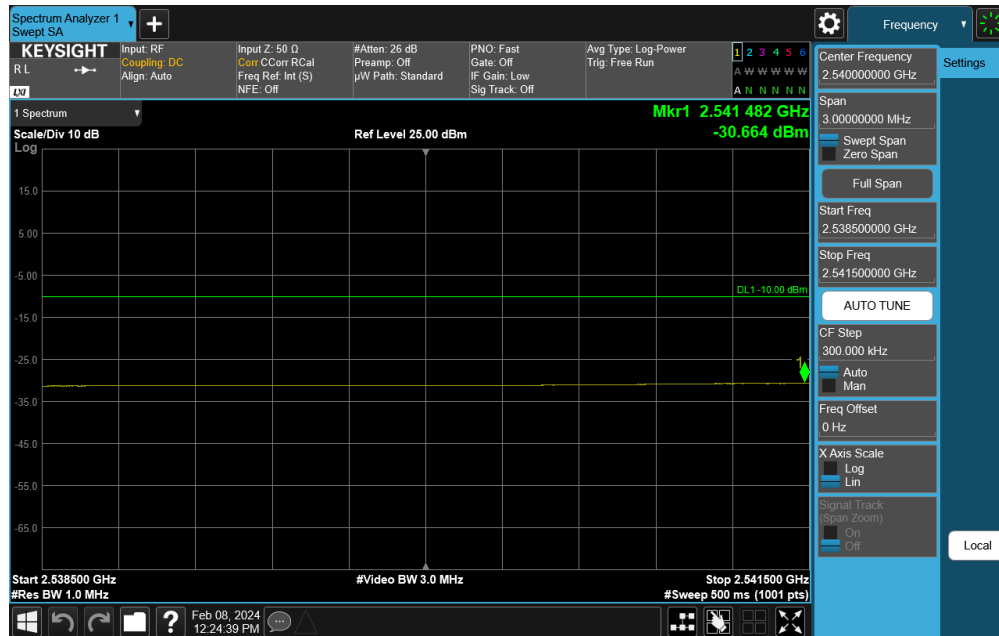
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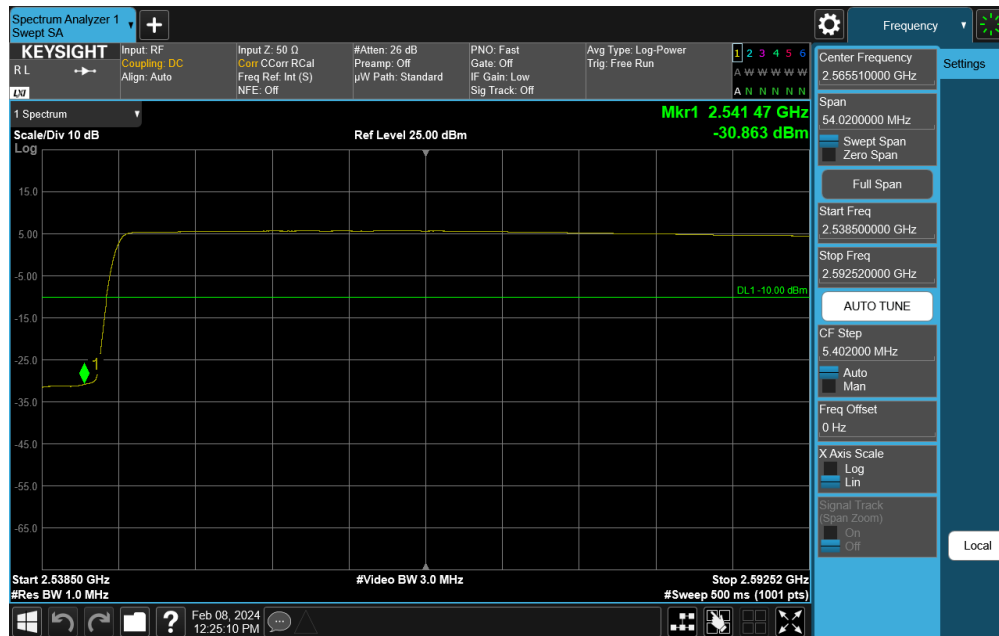
|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 468 of 572                   |

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Plot 7-887. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

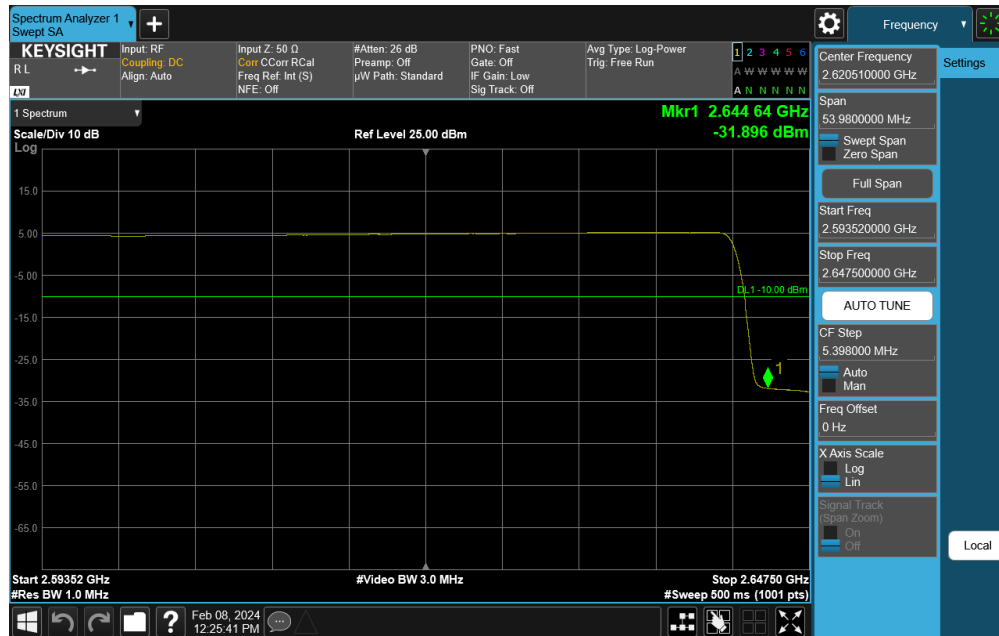


Plot 7-888. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

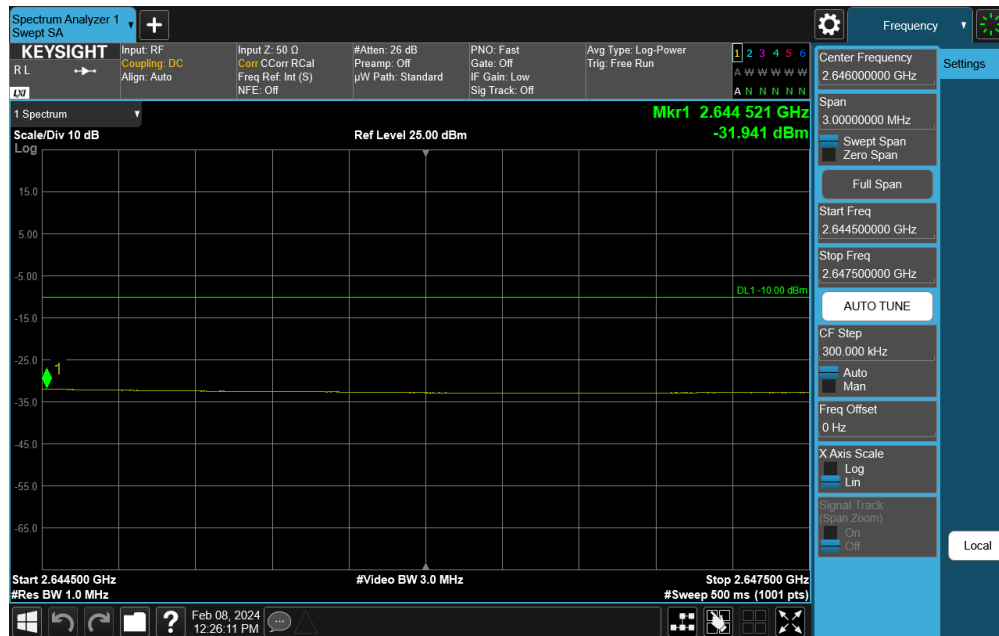
|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 469 of 572                   |

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Plot 7-889. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

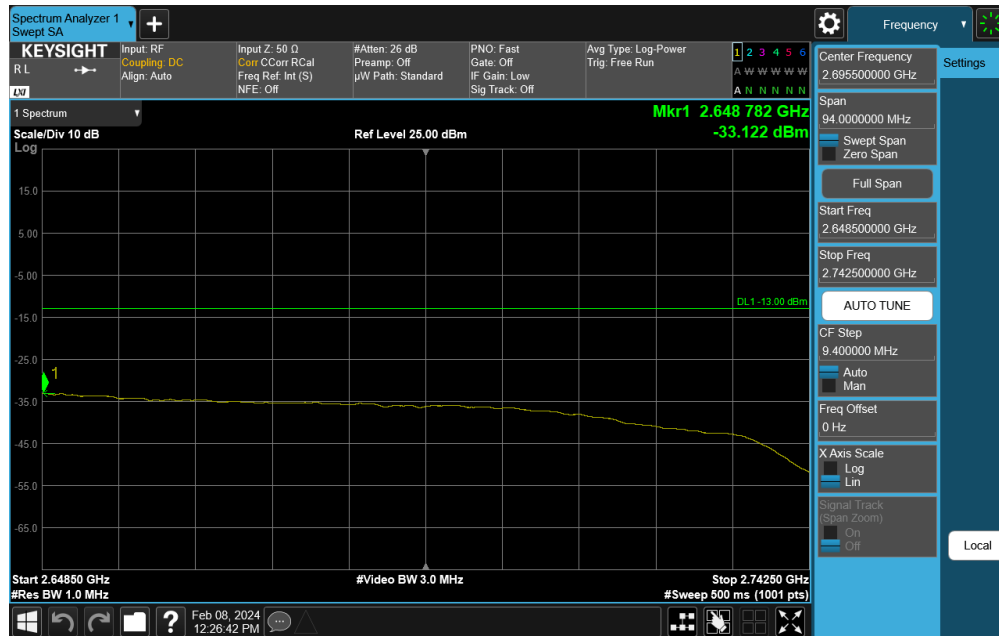


Plot 7-890. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

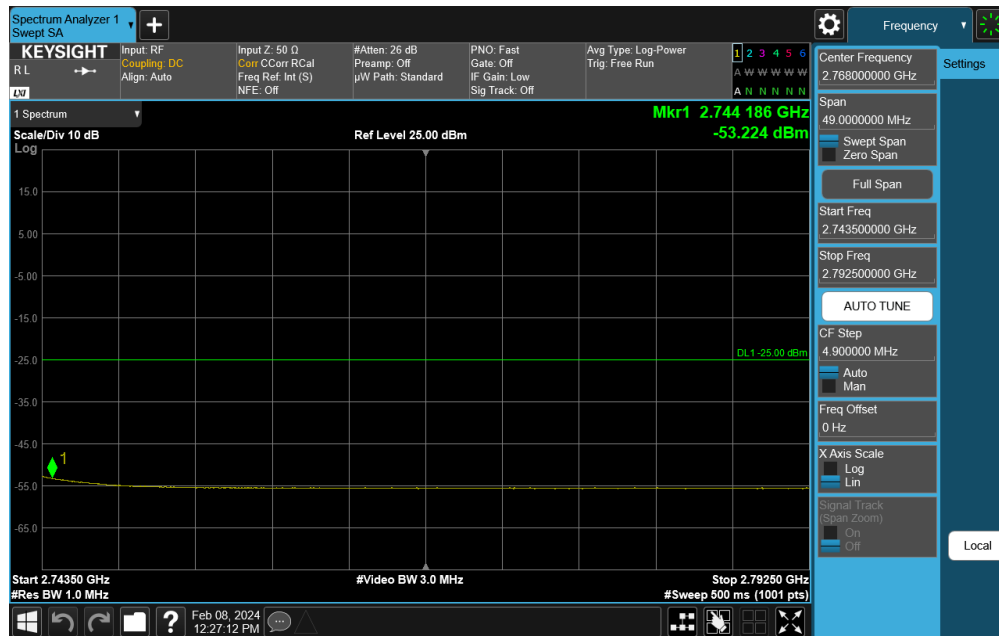
|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 470 of 572                   |

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Plot 7-891. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

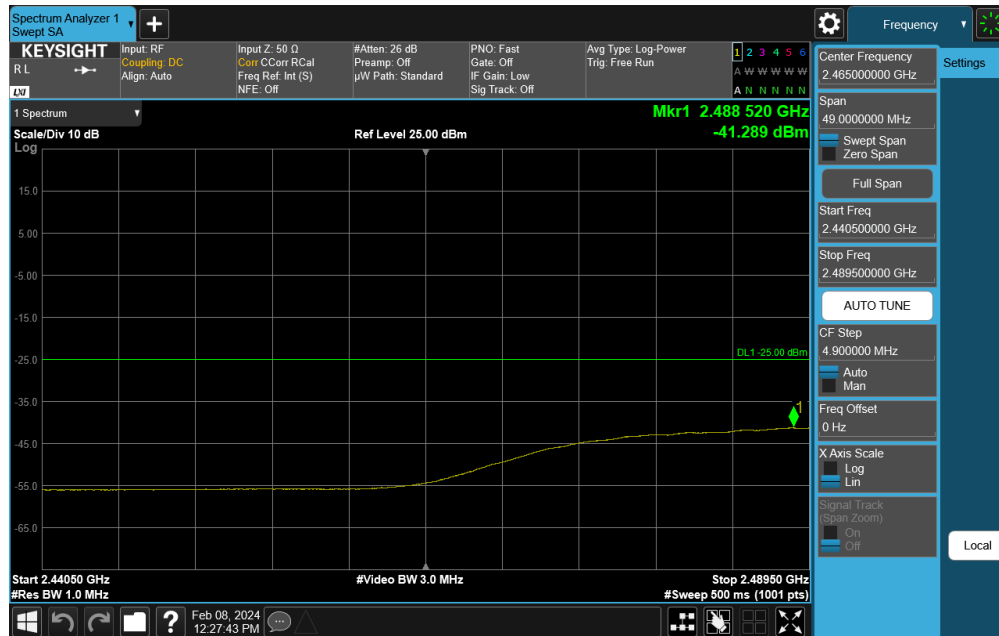


Plot 7-892. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

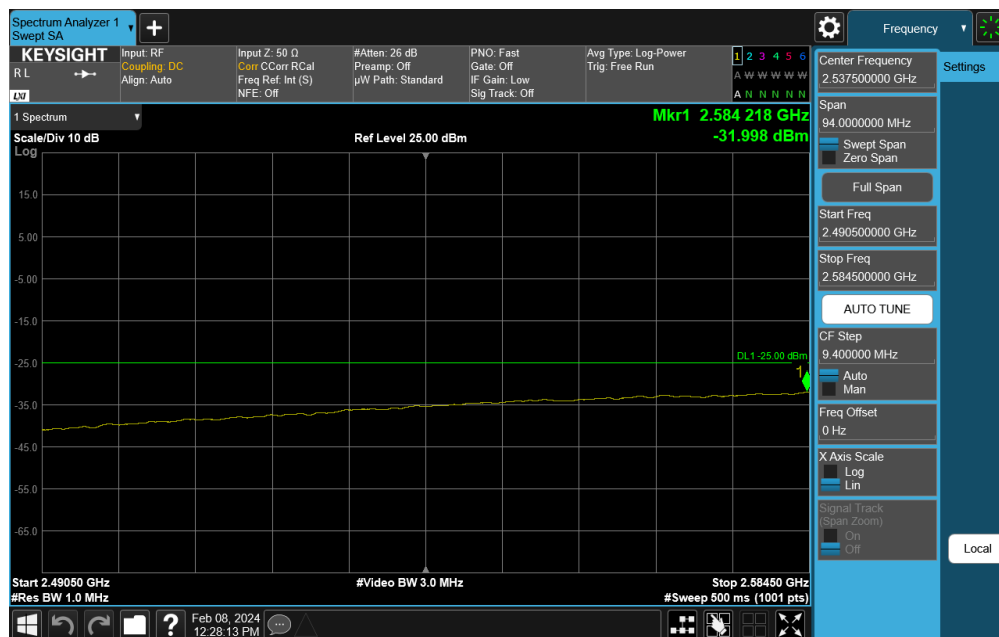
|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 471 of 572                   |

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Plot 7-893. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

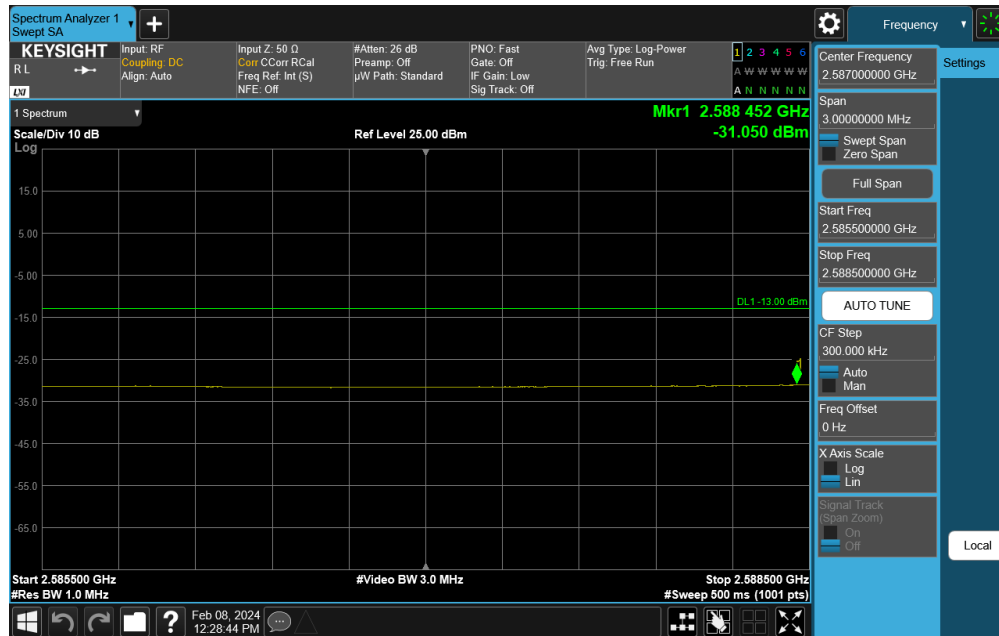


Plot 7-894. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

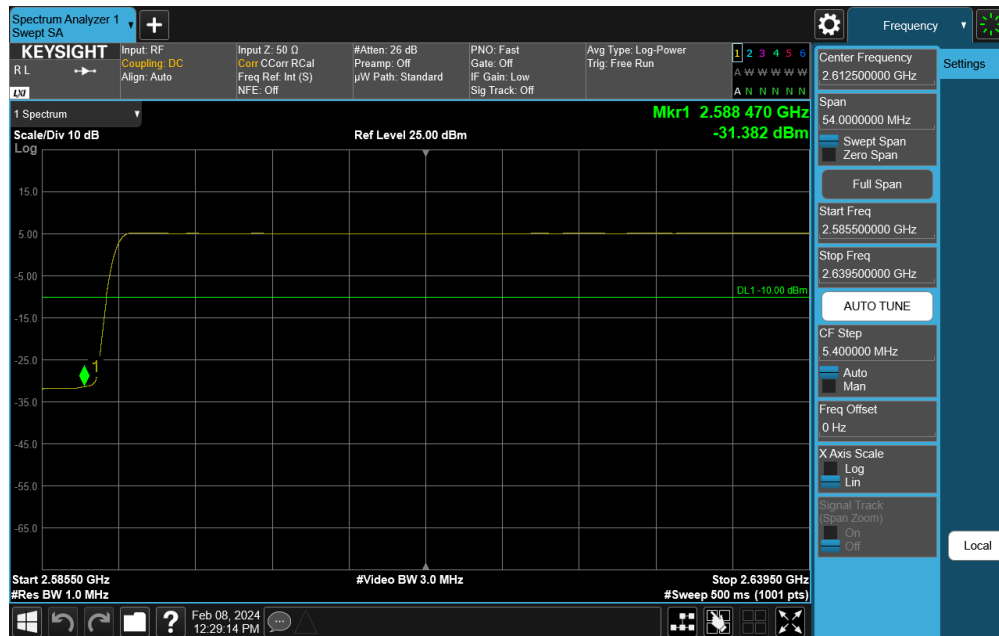
|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024 | EUT Type:<br>Tablet Device | Page 472 of 572                   |

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Plot 7-895. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

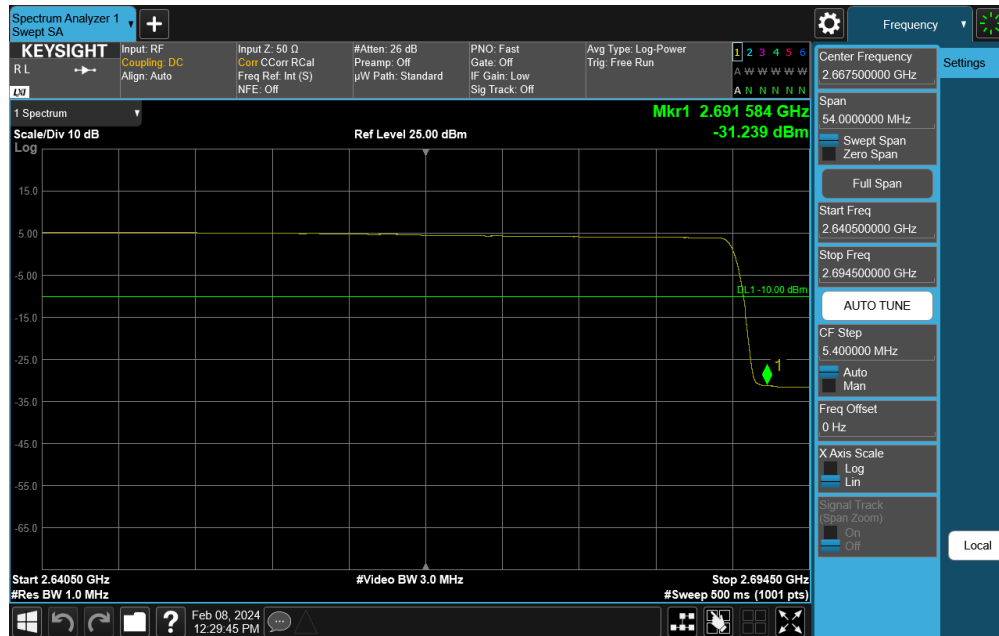


Plot 7-896. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

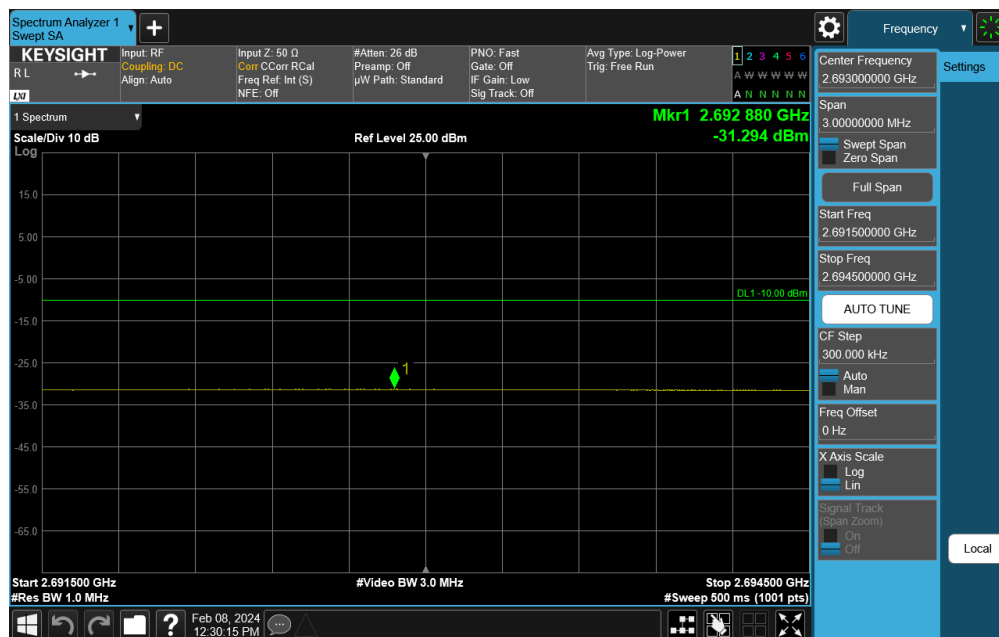
|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024            | EUT Type:<br>Tablet Device | Page 473 of 572                   |

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Plot 7-897. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

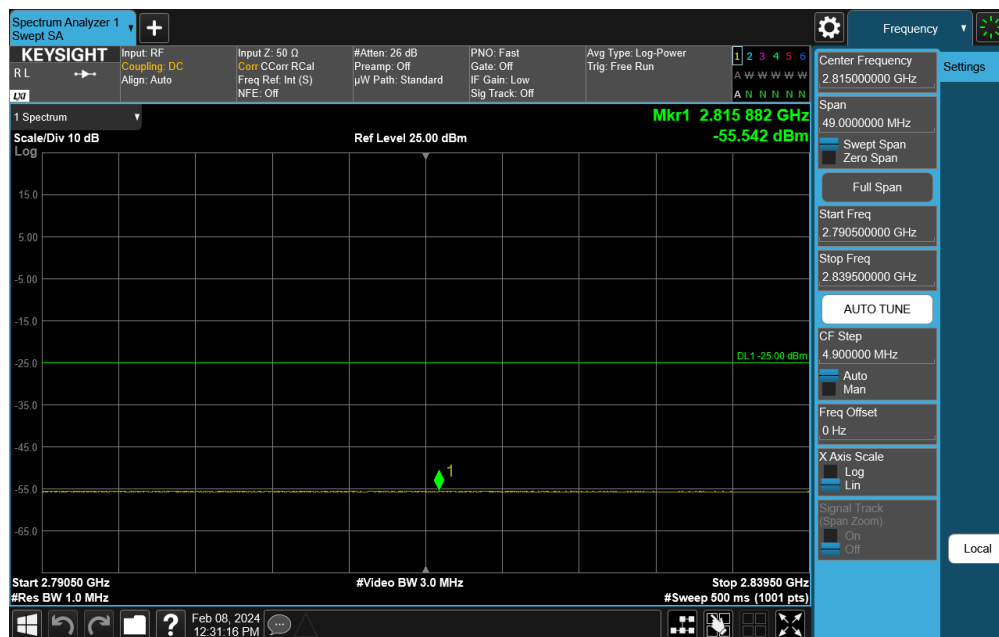
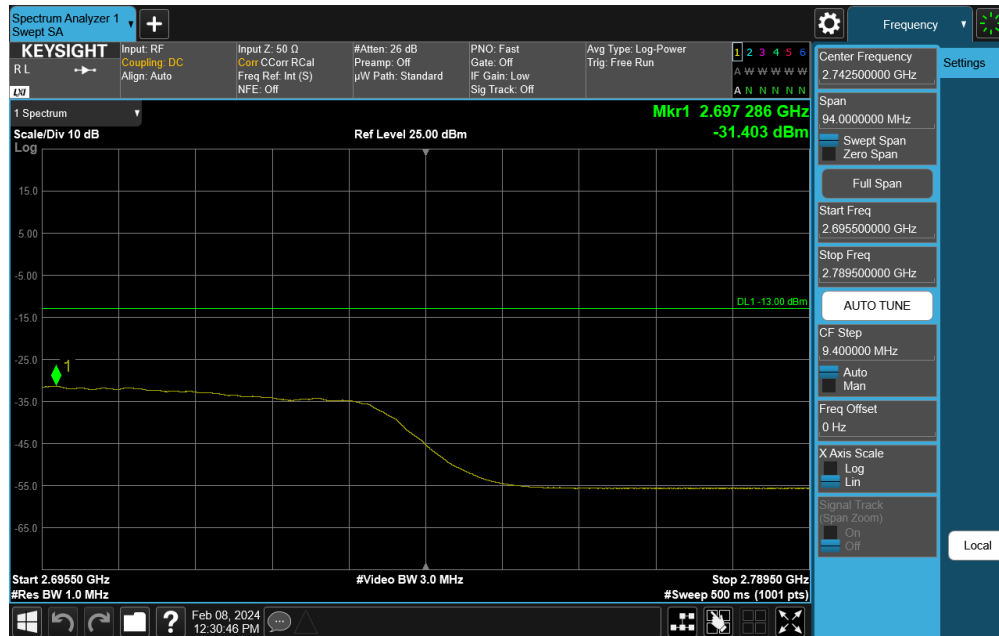


Plot 7-898. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
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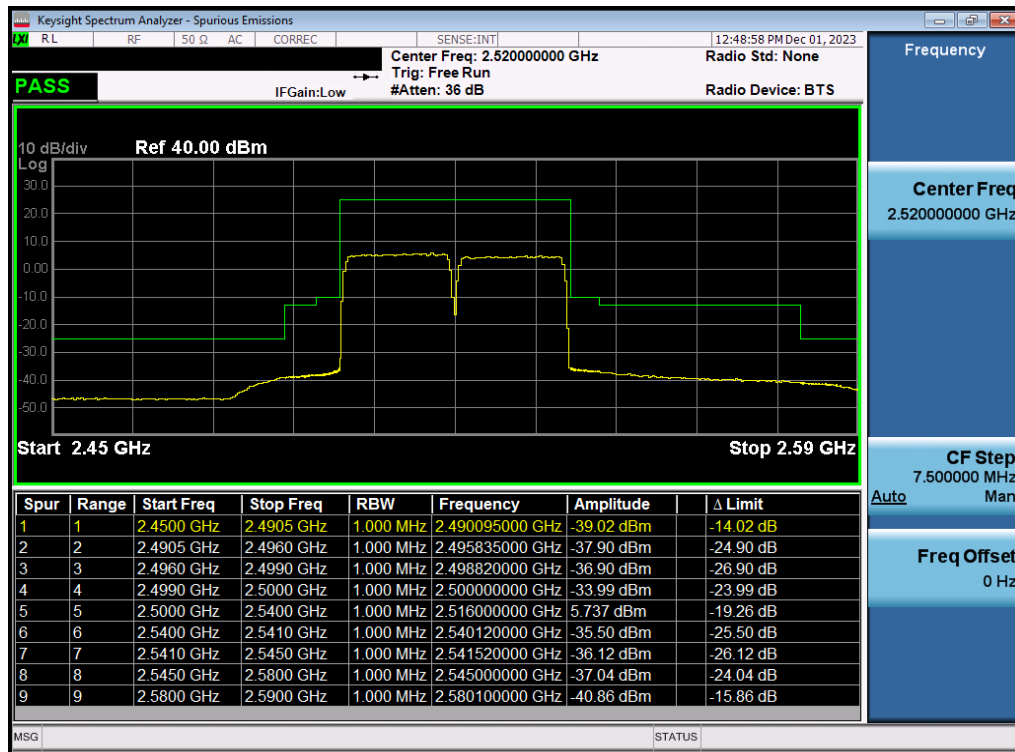


|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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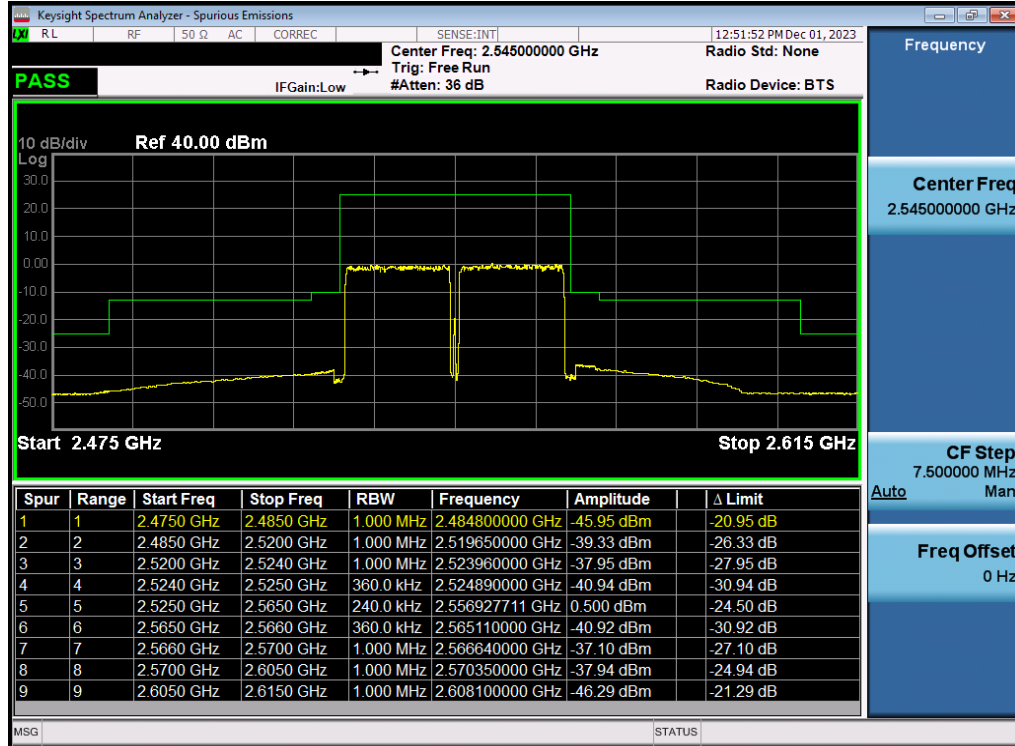
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## ULCA - LTE Band 7



Plot 7-901. Lower ACP Plot (UCLA LTE B7 - (20+20)MHz QPSK - Full RB)

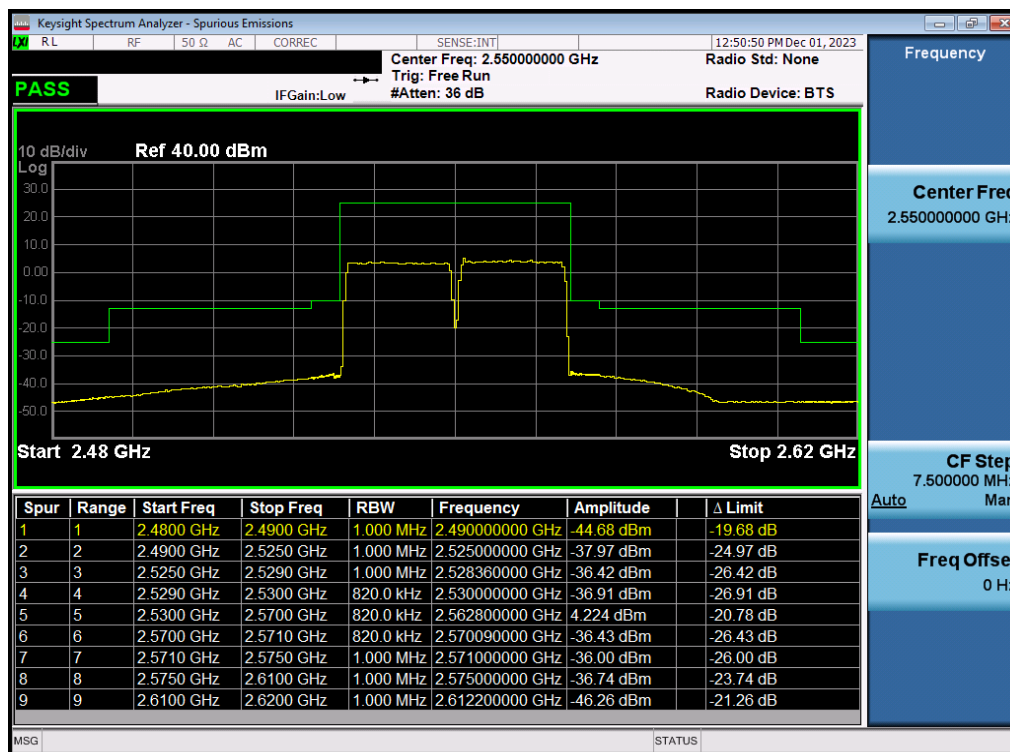


Plot 7-902. Middle ACP Plot (UCLA LTE B7 - (20+20)MHz QPSK - Full RB)

|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | PART 27 MEASUREMENT REPORT            |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024 | EUT Type:<br>Tablet Device | Page 476 of 572                   |

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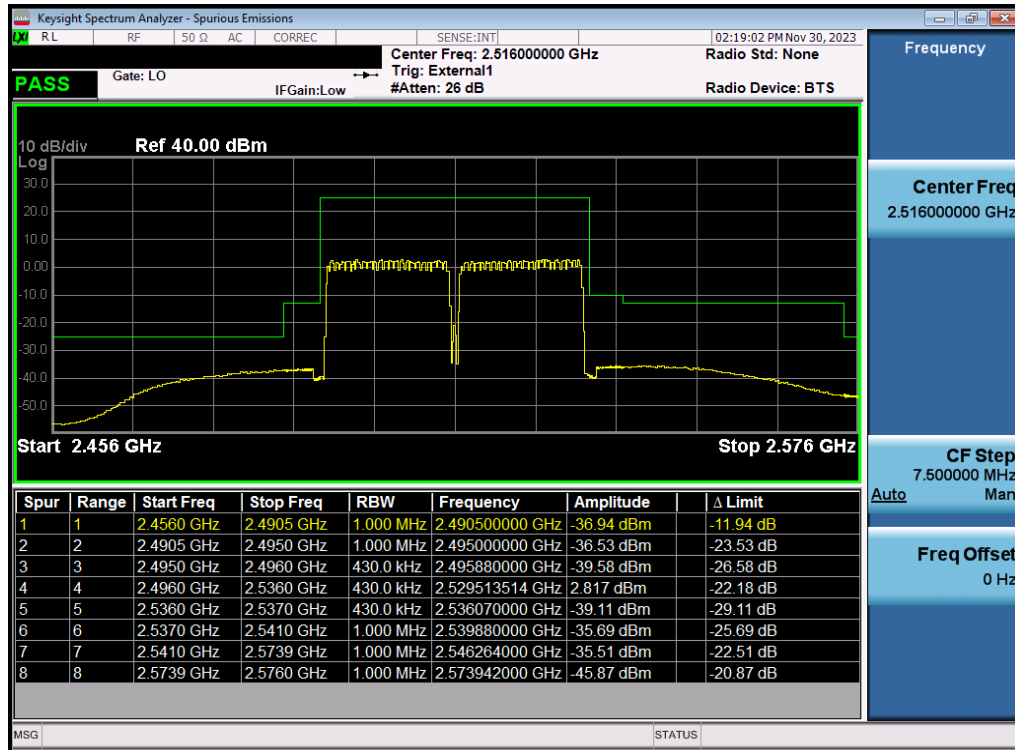


Plot 7-903. Upper ACP Plot (UCLA LTE B7 – (20+20)MHz QPSK - Full RB)

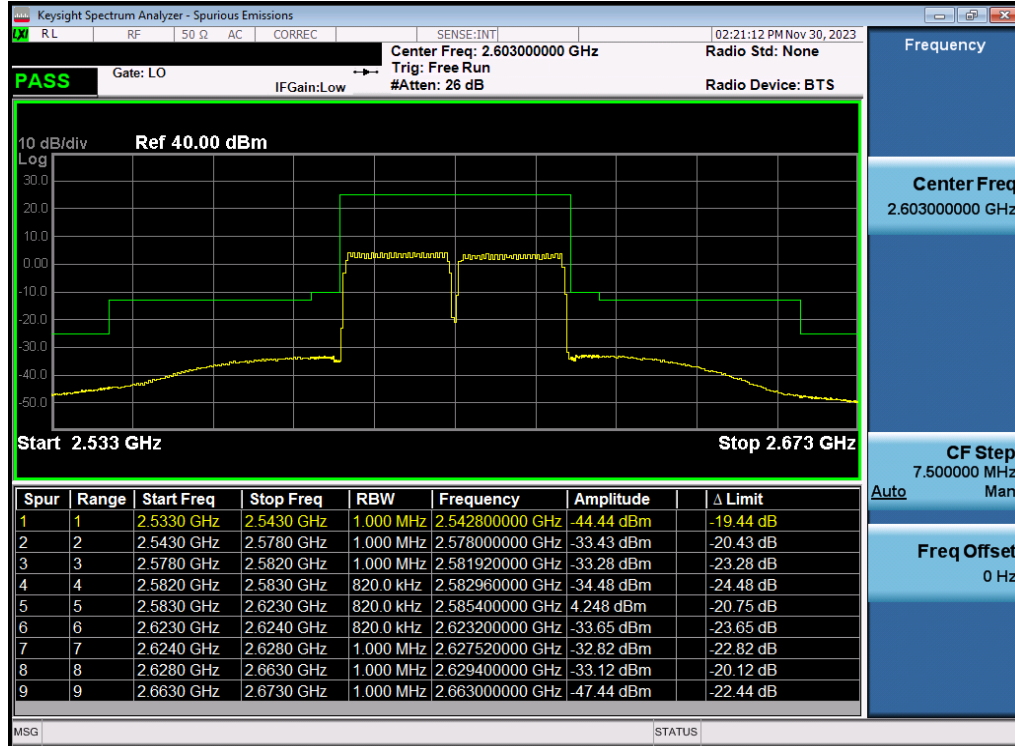
|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024 | EUT Type:<br>Tablet Device | Page 477 of 572                   |

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## ULCA - LTE Band 41



Plot 7-904. Lower ACP Plot (UCLA LTE B41 - (20+20)MHz QPSK - Full RB)

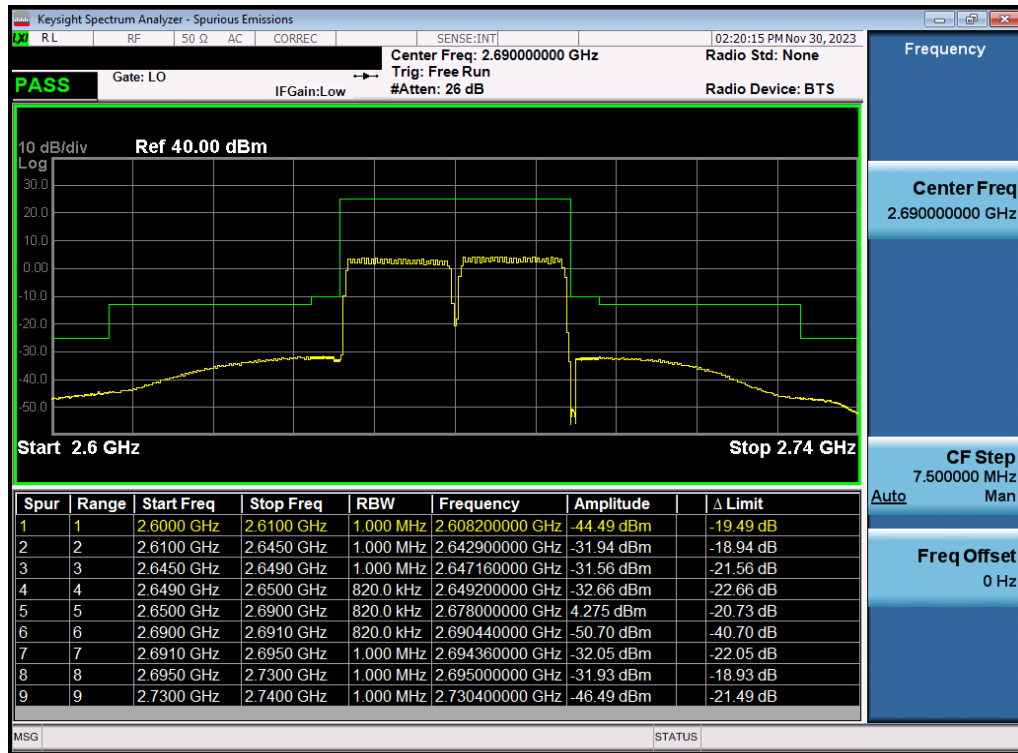


Plot 7-905. Middle ACP Plot (UCLA LTE B41 - (20+20)MHz QPSK - Full RB)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 478 of 572                   |

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Plot 7-906. Upper ACP Plot (UCLA LTE B41 – (20+20)MHz QPSK - Full RB)

|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024 | EUT Type:<br>Tablet Device | Page 479 of 572                   |

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## 7.5 Additional Maximum Power Reduction (A-MPR)

§2.1046

### Test Overview

A-MPR is implemented in this device when operating at Power Class 2 in LTE Band 41 per the A-MPR specification in 3GPP TS 36.101. The conducted powers are shown herein to cover the different A-MPR levels specified in the standard. Conducted power measurements are performed to measure the average output power of the EUT. The averaging is to be performed only over duration of active transmissions at maximum output power level. The average measurements do not include averaging over periods when the transmitter is quiescent or when operating at reduced power level. All ports were tested and only the worst case data were reported.

### Test Procedure Used

KDB 971168 D01 v03

### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below

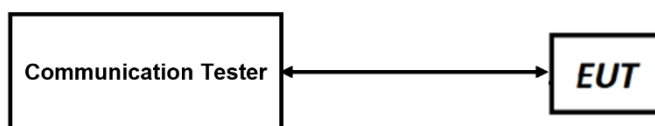


Figure 7-4. Conducted Power Measurement Setup

### Test Notes

None.

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 480 of 572                   |

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| Test Case | NS | MCC | MNC | Channel BW [MHz] | Channel Number | Channel Frequency [MHz] | RB Size | RB Offset | A-MPR [dB] | Modulation | MPR [dB] | Measured Power [dBm] | Lowest Typical Power [dBm] | Delta [dB] |
|-----------|----|-----|-----|------------------|----------------|-------------------------|---------|-----------|------------|------------|----------|----------------------|----------------------------|------------|
| 1         | 01 | 312 | 530 | 5                | 39675          | 2498.5                  | 1       | 0         | 3          | QPSK       | 0        | 25.69                | 24.7                       | 0.99       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 25.15                | 23.7                       | 1.45       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 24.35                | 22.7                       | 1.65       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 23.56                | 20.7                       | 2.86       |
| 2         |    |     |     | 5                | 39675          | 2498.5                  | 1       | 9         | 0          | QPSK       | 0        | 28.51                | 27.7                       | 0.81       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 28.31                | 26.7                       | 1.61       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 27.54                | 25.7                       | 1.84       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 24.36                | 23.7                       | 0.66       |
| 3         |    |     |     | 10               | 39700          | 2501                    | 1       | 0         | 5          | QPSK       | 0        | 23.80                | 22.7                       | 1.10       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 23.37                | 21.7                       | 1.67       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 22.31                | 20.7                       | 1.61       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 19.22                | 18.7                       | 0.52       |
| 4         |    |     |     | 10               | 39700          | 2501                    | 20      | 0         | 2          | QPSK       | 0        | 26.16                | 25.7                       | 0.46       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 25.39                | 24.7                       | 0.69       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 24.50                | 23.7                       | 0.80       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 22.18                | 21.7                       | 0.48       |
| 5         |    |     |     | 10               | 39700          | 2501                    | 50      | 0         | 3          | QPSK       | 0        | 25.36                | 24.7                       | 0.66       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 24.42                | 23.7                       | 0.72       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 23.15                | 22.7                       | 0.45       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 21.32                | 20.7                       | 0.62       |
| 6         |    |     |     | 10               | 39700          | 2501                    | 25      | 20        | 1          | QPSK       | 0        | 27.39                | 26.7                       | 0.69       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 26.13                | 25.7                       | 0.43       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 25.25                | 24.7                       | 0.55       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 24.19                | 22.7                       | 1.49       |
| 7         |    |     |     | 10               | 39700          | 2501                    | 1       | 36        | 0          | QPSK       | 0        | 28.67                | 27.7                       | 0.97       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 28.28                | 26.7                       | 1.58       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 27.30                | 25.7                       | 1.60       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 24.22                | 23.7                       | 0.52       |
| 8         |    |     |     | 15               | 39725          | 2503.5                  | 1       | 0         | 5          | QPSK       | 0        | 23.61                | 22.7                       | 0.91       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 22.91                | 21.7                       | 1.21       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 22.06                | 20.7                       | 1.36       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 19.13                | 18.7                       | 0.43       |
| 9         |    |     |     | 15               | 39725          | 2503.5                  | 20      | 0         | 2          | QPSK       | 0        | 26.13                | 25.7                       | 0.43       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 25.04                | 24.7                       | 0.34       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 24.26                | 23.7                       | 0.56       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 22.28                | 21.7                       | 0.58       |
| 10        |    |     |     | 15               | 39725          | 2503.5                  | 75      | 0         | 4          | QPSK       | 0        | 24.08                | 23.7                       | 0.38       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 23.07                | 22.7                       | 0.37       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 22.27                | 21.7                       | 0.57       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 20.11                | 19.7                       | 0.41       |
| 11        |    |     |     | 15               | 39725          | 2503.5                  | 50      | 15        | 3          | QPSK       | 0        | 25.23                | 24.7                       | 0.53       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 24.30                | 23.7                       | 0.60       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 23.18                | 22.7                       | 0.48       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 21.18                | 20.7                       | 0.48       |
| 12        |    |     |     | 15               | 39725          | 2503.5                  | 1       | 60        | 0          | QPSK       | 0        | 28.52                | 27.7                       | 0.82       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 28.31                | 26.7                       | 1.61       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 27.50                | 25.7                       | 1.80       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 24.05                | 23.7                       | 0.35       |
| 13        |    |     |     | 20               | 39750          | 2506                    | 1       | 0         | 5          | QPSK       | 0        | 23.50                | 22.7                       | 0.80       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 23.06                | 21.7                       | 1.36       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 21.98                | 20.7                       | 1.28       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 19.19                | 18.7                       | 0.49       |
| 14        |    |     |     | 20               | 39750          | 2506                    | 20      | 0         | 2          | QPSK       | 0        | 26.04                | 25.7                       | 0.34       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 24.99                | 24.7                       | 0.29       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 24.15                | 23.7                       | 0.45       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 22.09                | 21.7                       | 0.39       |
| 15        |    |     |     | 20               | 39750          | 2506                    | 100     | 0         | 4          | QPSK       | 0        | 24.10                | 23.7                       | 0.40       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 23.07                | 22.7                       | 0.37       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 22.10                | 21.7                       | 0.40       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 20.05                | 19.7                       | 0.35       |
| 16        |    |     |     | 20               | 39750          | 2506                    | 75      | 24        | 3          | QPSK       | 0        | 25.10                | 24.7                       | 0.40       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 24.21                | 23.7                       | 0.51       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 23.09                | 22.7                       | 0.39       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 21.10                | 20.7                       | 0.40       |
| 17        |    |     |     | 20               | 39750          | 2506                    | 1       | 77        | 0          | QPSK       | 0        | 28.58                | 27.7                       | 0.88       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 28.26                | 26.7                       | 1.56       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 27.40                | 25.7                       | 1.70       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 23.94                | 23.7                       | 0.24       |
| 18        | 01 | 311 | 490 | 5                | 39675          | 2498.5                  | 1       | 0         | 3          | QPSK       | 0        | 25.58                | 24.7                       | 0.88       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 25.29                | 23.7                       | 1.59       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 24.55                | 22.7                       | 1.85       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 21.14                | 20.7                       | 0.44       |
| 19        | 01 | 001 | 01  | 5                | 39675          | 2498.5                  | 1       | 0         | 0          | QPSK       | 0        | 28.61                | 27.7                       | 0.91       |
|           |    |     |     |                  |                |                         |         |           |            | 16-QAM     | 1        | 28.44                | 26.7                       | 1.74       |
|           |    |     |     |                  |                |                         |         |           |            | 64-QAM     | 2        | 27.25                | 25.7                       | 1.55       |
|           |    |     |     |                  |                |                         |         |           |            | 256-QAM    | 4        | 24.11                | 23.7                       | 0.41       |

**Table 7-2. A-MPR Conducted Power Measurements**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 481 of 572                   |

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## 7.6 Radiated Power (EIRP)

§27.50(a)(3), §27.50(h)(2)

### Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

### Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

### Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

$$\text{EIRP} = \text{PMeas} - \text{LC} + \text{GT}$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMeas, typically dBW or dBm)

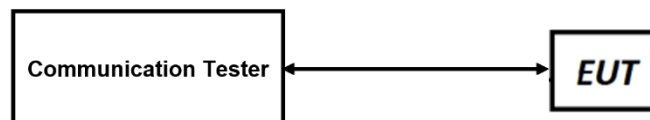
PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBi (EIRP)

### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-5. EIRP Measurement Setup**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 482 of 572                   |

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## **Test Notes**

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
5. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
6. For ULCA, conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
7. For ULCA, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz.

|                                                   |                                                                                                                       |                                   |                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2311270064-10-R1.BCG | <b>Test Dates:</b><br>10/1/2023 - 03/04/2024                                                                          | <b>EUT Type:</b><br>Tablet Device | Page 483 of 572                          |

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## 7.6.1 Antenna 4 - EIRP

### LTE-Band 30

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2307.5          | 1.90            | 1 / 12         | 21.56                 | 23.46        | 0.222    | 23.98            | -0.52       |
|           |         | 2310.0          | 1.90            | 1 / 12         | 21.60                 | <b>23.50</b> | 0.224    | 23.98            | -0.48       |
|           |         | 2312.5          | 1.90            | 1 / 0          | 21.34                 | 23.24        | 0.211    | 23.98            | -0.74       |
|           | 16-QAM  | 2310.0          | 1.90            | 1 / 0          | 20.49                 | 22.39        | 0.173    | 23.98            | -1.59       |
|           | 64-QAM  | 2310.0          | 1.90            | 1 / 24         | 19.58                 | 21.48        | 0.141    | 23.98            | -2.50       |
|           | 256-QAM | 2312.5          | 1.90            | 1 / 12         | 16.69                 | 18.59        | 0.072    | 23.98            | -5.39       |
| 10 MHz    | QPSK    | 2310.0          | 1.90            | 1 / 0          | 21.58                 | <b>23.48</b> | 0.223    | 23.98            | -0.50       |
|           | 16-QAM  | 2310.0          | 1.90            | 1 / 0          | 20.31                 | 22.21        | 0.166    | 23.98            | -1.77       |
|           | 64-QAM  | 2310.0          | 1.90            | 1 / 49         | 19.53                 | 21.43        | 0.139    | 23.98            | -2.55       |
|           | 256-QAM | 2310.0          | 1.90            | 1 / 0          | 16.66                 | 18.56        | 0.072    | 23.98            | -5.42       |

Table 7-3. Antenna 4 EIRP Data (LTE Band 30)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 484 of 572                   |

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## LTE-Band 7

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2502.5          | 1.70            | 1 / 0          | 25.70                 | <b>27.40</b> | 0.550    | 33.01            | -5.61       |
|           |         | 2535.0          | 1.70            | 1 / 0          | 25.46                 | 27.16        | 0.520    | 33.01            | -5.85       |
|           |         | 2567.5          | 1.70            | 1 / 0          | 25.46                 | 27.16        | 0.520    | 33.01            | -5.85       |
|           | 16-QAM  | 2535.0          | 1.70            | 1 / 12         | 24.78                 | <b>26.48</b> | 0.445    | 33.01            | -6.53       |
|           | 64-QAM  | 2535.0          | 1.70            | 1 / 24         | 23.74                 | 25.44        | 0.350    | 33.01            | -7.57       |
|           | 256-QAM | 2535.0          | 1.70            | 1 / 24         | 20.87                 | 22.57        | 0.181    | 33.01            | -10.44      |
| 10 MHz    | QPSK    | 2505.0          | 1.70            | 1 / 0          | 25.70                 | <b>27.40</b> | 0.550    | 33.01            | -5.61       |
|           |         | 2535.0          | 1.70            | 1 / 25         | 25.35                 | 27.05        | 0.507    | 33.01            | -5.96       |
|           |         | 2565.0          | 1.70            | 1 / 0          | 25.37                 | 27.07        | 0.509    | 33.01            | -5.94       |
|           | 16-QAM  | 2505.0          | 1.70            | 1 / 25         | 24.64                 | 26.34        | 0.431    | 33.01            | -6.67       |
|           |         | 2565.0          | 1.70            | 1 / 0          | 24.64                 | 26.34        | 0.431    | 33.01            | -6.67       |
|           | 64-QAM  | 2535.0          | 1.70            | 1 / 25         | 23.68                 | 25.38        | 0.345    | 33.01            | -7.63       |
|           | 256-QAM | 2565.0          | 1.70            | 1 / 49         | 20.70                 | 22.40        | 0.174    | 33.01            | -10.61      |
| 15 MHz    | QPSK    | 2507.5          | 1.70            | 1 / 0          | 25.37                 | 27.07        | 0.509    | 33.01            | -5.94       |
|           |         | 2535.0          | 1.70            | 1 / 0          | 25.61                 | <b>27.31</b> | 0.538    | 33.01            | -5.70       |
|           |         | 2562.5          | 1.70            | 1 / 0          | 25.49                 | 27.19        | 0.524    | 33.01            | -5.82       |
|           | 16-QAM  | 2507.5          | 1.70            | 1 / 37         | 24.47                 | 26.17        | 0.414    | 33.01            | -6.84       |
|           | 64-QAM  | 2535.0          | 1.70            | 1 / 74         | 23.62                 | 25.32        | 0.340    | 33.01            | -7.69       |
|           | 256-QAM | 2535.0          | 1.70            | 1 / 74         | 20.76                 | 22.46        | 0.176    | 33.01            | -10.55      |
| 20 MHz    | QPSK    | 2510.0          | 1.70            | 1 / 0          | 25.32                 | 27.02        | 0.504    | 33.01            | -5.99       |
|           |         | 2535.0          | 1.70            | 1 / 50         | 25.40                 | 27.10        | 0.513    | 33.01            | -5.91       |
|           |         | 2560.0          | 1.70            | 1 / 50         | 25.59                 | <b>27.29</b> | 0.536    | 33.01            | -5.72       |
|           | 16-QAM  | 2560.0          | 1.70            | 1 / 99         | 24.69                 | 26.39        | 0.436    | 33.01            | -6.62       |
|           | 64-QAM  | 2560.0          | 1.70            | 1 / 99         | 23.71                 | 25.41        | 0.348    | 33.01            | -7.60       |
|           | 256-QAM | 2560.0          | 1.70            | 1 / 99         | 20.82                 | 22.52        | 0.179    | 33.01            | -10.49      |

Table 7-4. Antenna 4 EIRP Data (LTE Band 7)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 485 of 572                   |

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## LTE-Band 41 (PC2)

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2498.5          | 1.00            | 1 / 0          | 27.70                 | <b>28.70</b> | 0.741    | 33.01            | -4.31       |
|           |         | 2593.0          | 1.00            | 1 / 0          | 27.58                 | 28.58        | 0.721    | 33.01            | -4.43       |
|           |         | 2687.5          | 1.00            | 1 / 0          | 27.39                 | 28.39        | 0.690    | 33.01            | -4.62       |
|           | 16-QAM  | 2498.5          | 1.00            | 1 / 0          | 26.70                 | 27.70        | 0.589    | 33.01            | -5.31       |
|           | 64-QAM  | 2498.5          | 1.00            | 1 / 0          | 26.11                 | 27.11        | 0.514    | 33.01            | -5.90       |
|           | 256-QAM | 2498.5          | 1.00            | 1 / 12         | 25.54                 | 26.54        | 0.451    | 33.01            | -6.47       |
| 10 MHz    | QPSK    | 2501.0          | 1.00            | 1 / 0          | 27.69                 | <b>28.69</b> | 0.740    | 33.01            | -4.32       |
|           |         | 2593.0          | 1.00            | 1 / 0          | 27.63                 | 28.63        | 0.729    | 33.01            | -4.38       |
|           |         | 2685.0          | 1.00            | 1 / 0          | 27.38                 | 28.38        | 0.689    | 33.01            | -4.63       |
|           | 16-QAM  | 2501.0          | 1.00            | 1 / 0          | 26.70                 | 27.70        | 0.589    | 33.01            | -5.31       |
|           | 64-QAM  | 2501.0          | 1.00            | 1 / 49         | 26.04                 | 27.04        | 0.506    | 33.01            | -5.97       |
|           | 256-QAM | 2501.0          | 1.00            | 1 / 25         | 25.68                 | 26.68        | 0.466    | 33.01            | -6.33       |
| 15 MHz    | QPSK    | 2503.5          | 1.00            | 1 / 0          | 27.70                 | <b>28.70</b> | 0.741    | 33.01            | -4.31       |
|           |         | 2593.0          | 1.00            | 1 / 0          | 27.62                 | 28.62        | 0.728    | 33.01            | -4.39       |
|           |         | 2682.5          | 1.00            | 1 / 74         | 27.26                 | 28.26        | 0.670    | 33.01            | -4.75       |
|           | 16-QAM  | 2682.5          | 1.00            | 1 / 0          | 26.64                 | 27.64        | 0.581    | 33.01            | -5.37       |
|           | 64-QAM  | 2503.5          | 1.00            | 1 / 0          | 26.15                 | 27.15        | 0.519    | 33.01            | -5.86       |
|           | 256-QAM | 2503.5          | 1.00            | 1 / 74         | 25.70                 | 26.70        | 0.468    | 33.01            | -6.31       |
| 20 MHz    | QPSK    | 2506.0          | 1.00            | 1 / 0          | 27.70                 | <b>28.70</b> | 0.741    | 33.01            | -4.31       |
|           |         | 2593.0          | 1.00            | 1 / 0          | 27.66                 | 28.66        | 0.735    | 33.01            | -4.35       |
|           |         | 2680.0          | 1.00            | 1 / 99         | 27.54                 | 28.54        | 0.714    | 33.01            | -4.47       |
|           | 16-QAM  | 2593.0          | 1.00            | 1 / 0          | 26.70                 | 27.70        | 0.589    | 33.01            | -5.31       |
|           | 64-QAM  | 2680.0          | 1.00            | 1 / 0          | 26.20                 | 27.20        | 0.525    | 33.01            | -5.81       |
|           | 256-QAM | 2506.0          | 1.00            | 1 / 99         | 25.65                 | 26.65        | 0.462    | 33.01            | -6.36       |

Table 7-5. Antenna 4 EIRP Data (LTE Band 41(PC2))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 486 of 572                   |

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## LTE-Band 41 (PC3)

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2498.5          | 1.00            | 1 / 0          | 25.70                 | <b>26.70</b> | 0.468    | 33.01            | -6.31       |
|           |         | 2593.0          | 1.00            | 1 / 0          | 25.61                 | 26.61        | 0.458    | 33.01            | -6.40       |
|           |         | 2687.5          | 1.00            | 1 / 0          | 25.31                 | 26.31        | 0.428    | 33.01            | -6.70       |
|           | 16-QAM  | 2498.5          | 1.00            | 1 / 0          | 24.63                 | 25.63        | 0.366    | 33.01            | -7.38       |
|           | 64-QAM  | 2498.5          | 1.00            | 1 / 12         | 24.22                 | 25.22        | 0.333    | 33.01            | -7.79       |
|           | 256-QAM | 2498.5          | 1.00            | 1 / 24         | 22.58                 | 23.58        | 0.228    | 33.01            | -9.43       |
| 10 MHz    | QPSK    | 2501.0          | 1.00            | 1 / 0          | 25.70                 | <b>26.70</b> | 0.468    | 33.01            | -6.31       |
|           |         | 2593.0          | 1.00            | 1 / 0          | 25.62                 | 26.62        | 0.459    | 33.01            | -6.39       |
|           |         | 2685.0          | 1.00            | 1 / 0          | 25.35                 | 26.35        | 0.432    | 33.01            | -6.66       |
|           | 16-QAM  | 2501.0          | 1.00            | 1 / 0          | 24.64                 | 25.64        | 0.366    | 33.01            | -7.37       |
|           | 64-QAM  | 2685.0          | 1.00            | 1 / 25         | 24.13                 | 25.13        | 0.326    | 33.01            | -7.88       |
|           | 256-QAM | 2593.0          | 1.00            | 1 / 25         | 22.57                 | 23.57        | 0.228    | 33.01            | -9.44       |
| 15 MHz    | QPSK    | 2503.5          | 1.00            | 1 / 74         | 25.70                 | <b>26.70</b> | 0.468    | 33.01            | -6.31       |
|           |         | 2593.0          | 1.00            | 1 / 0          | 25.65                 | 26.65        | 0.462    | 33.01            | -6.36       |
|           |         | 2682.5          | 1.00            | 1 / 0          | 25.43                 | 26.43        | 0.440    | 33.01            | -6.58       |
|           | 16-QAM  | 2682.5          | 1.00            | 1 / 74         | 24.33                 | 25.33        | 0.341    | 33.01            | -7.68       |
|           | 64-QAM  | 2593.0          | 1.00            | 1 / 0          | 24.19                 | 25.19        | 0.330    | 33.01            | -7.82       |
|           | 256-QAM | 2503.5          | 1.00            | 1 / 0          | 22.56                 | 23.56        | 0.227    | 33.01            | -9.45       |
| 20 MHz    | QPSK    | 2506.0          | 1.00            | 1 / 0          | 25.70                 | <b>26.70</b> | 0.468    | 33.01            | -6.31       |
|           |         | 2593.0          | 1.00            | 1 / 0          | 25.59                 | 26.59        | 0.456    | 33.01            | -6.42       |
|           |         | 2680.0          | 1.00            | 1 / 50         | 25.46                 | 26.46        | 0.443    | 33.01            | -6.55       |
|           | 16-QAM  | 2506.0          | 1.00            | 1 / 0          | 24.63                 | 25.63        | 0.366    | 33.01            | -7.38       |
|           | 64-QAM  | 2680.0          | 1.00            | 1 / 0          | 24.07                 | 25.07        | 0.321    | 33.01            | -7.94       |
|           | 256-QAM | 2506.0          | 1.00            | 1 / 0          | 22.54                 | 23.54        | 0.226    | 33.01            | -9.47       |

Table 7-6. Antenna 4 EIRP Data (LTE Band 41(PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 487 of 572                   |

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## NR Band n30

| Bandwidth | Mod.         | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | $\pi/2$ BPSK | 2307.5          | 1.90            | 1 / 23         | 21.38                 | <b>23.28</b> | 0.213    | 23.98            | -0.70       |
|           |              | 2310.0          | 1.90            | 1 / 1          | 21.56                 | 23.46        | 0.222    | 23.98            | -0.52       |
|           |              | 2312.5          | 1.90            | 1 / 23         | 21.60                 | <b>23.50</b> | 0.224    | 23.98            | -0.48       |
|           | QPSK         | 2307.5          | 1.90            | 1 / 23         | 21.52                 | 23.42        | 0.220    | 23.98            | -0.56       |
|           |              | 2310.0          | 1.90            | 1 / 12         | 21.54                 | 23.44        | 0.221    | 23.98            | -0.54       |
|           |              | 2312.5          | 1.90            | 1 / 23         | 21.49                 | 23.39        | 0.218    | 23.98            | -0.59       |
|           | 16-QAM       | 2312.5          | 1.90            | 1 / 1          | 20.60                 | 22.50        | 0.178    | 23.98            | -1.48       |
|           | 64-QAM       | 2310.0          | 1.90            | 1 / 1          | 19.60                 | 21.50        | 0.141    | 23.98            | -2.48       |
|           | 256-QAM      | 2310.0          | 1.90            | 1 / 12         | 16.65                 | 18.55        | 0.072    | 23.98            | -5.43       |
| 10 MHz    | $\pi/2$ BPSK | 2310.0          | 1.90            | 1 / 50         | 21.49                 | <b>23.39</b> | 0.218    | 23.98            | -0.59       |
|           | QPSK         | 2310.0          | 1.90            | 1 / 25         | 21.47                 | 23.37        | 0.217    | 23.98            | -0.61       |
|           | 16-QAM       | 2310.0          | 1.90            | 1 / 25         | 20.47                 | 22.37        | 0.173    | 23.98            | -1.61       |
|           | 64-QAM       | 2310.0          | 1.90            | 1 / 1          | 19.66                 | 21.56        | 0.143    | 23.98            | -2.42       |
|           | 256-QAM      | 2310.0          | 1.90            | 1 / 50         | 16.72                 | 18.62        | 0.073    | 23.98            | -5.36       |

Table 7-7. Antenna 4 EIRP Data (NR Band n30)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 488 of 572                   |

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## NR Band n7

| Bandwidth | Mod.                        | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|-----------------------------|-----------------|-----------------|----------------|-----------------------|------------|----------|------------------|-------------|
| 5 MHz     | π/2 BPSK                    | 2502.5          | 1.70            | 1 / 23         | 25.64                 | 27.34      | 0.542    | 33.01            | -5.67       |
|           |                             | 2535.0          | 1.70            | 1 / 23         | 25.57                 | 27.27      | 0.533    | 33.01            | -5.74       |
|           |                             | 2567.5          | 1.70            | 1 / 23         | 25.62                 | 27.32      | 0.539    | 33.01            | -5.69       |
|           | QPSK                        | 2502.5          | 1.70            | 1 / 23         | 25.69                 | 27.39      | 0.548    | 33.01            | -5.62       |
|           |                             | 2535.0          | 1.70            | 1 / 23         | 25.64                 | 27.34      | 0.542    | 33.01            | -5.67       |
|           |                             | 2567.5          | 1.70            | 1 / 23         | 25.68                 | 27.38      | 0.547    | 33.01            | -5.63       |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2502.5          | 1.70            | 1 / 12         | 24.75                 | 26.45      | 0.442    | 33.01            | -6.56       |
|           |                             | 2567.5          | 1.70            | 1 / 1          | 23.29                 | 24.99      | 0.315    | 33.01            | -8.03       |
|           |                             | 2567.5          | 1.70            | 1 / 23         | 21.15                 | 22.85      | 0.193    | 33.01            | -10.16      |
| 10 MHz    | π/2 BPSK                    | 2505.0          | 1.70            | 1 / 1          | 25.58                 | 27.28      | 0.535    | 33.01            | -5.73       |
|           |                             | 2535.0          | 1.70            | 1 / 50         | 25.56                 | 27.26      | 0.533    | 33.01            | -5.75       |
|           |                             | 2565.0          | 1.70            | 1 / 1          | 25.55                 | 27.25      | 0.531    | 33.01            | -5.76       |
|           | QPSK                        | 2505.0          | 1.70            | 1 / 1          | 25.65                 | 27.35      | 0.544    | 33.01            | -5.66       |
|           |                             | 2535.0          | 1.70            | 1 / 50         | 25.62                 | 27.32      | 0.539    | 33.01            | -5.69       |
|           |                             | 2565.0          | 1.70            | 1 / 50         | 25.69                 | 27.39      | 0.549    | 33.01            | -5.62       |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2535.0          | 1.70            | 1 / 50         | 24.80                 | 26.50      | 0.446    | 33.01            | -6.51       |
|           |                             | 2505.0          | 1.70            | 1 / 50         | 23.22                 | 24.92      | 0.310    | 33.01            | -8.09       |
|           |                             | 2505.0          | 1.70            | 1 / 25         | 21.12                 | 22.82      | 0.191    | 33.01            | -10.19      |
| 15 MHz    | π/2 BPSK                    | 2507.5          | 1.70            | 1 / 1          | 25.57                 | 27.27      | 0.534    | 33.01            | -5.74       |
|           |                             | 2535.0          | 1.70            | 1 / 73         | 25.67                 | 27.37      | 0.545    | 33.01            | -5.64       |
|           |                             | 2562.5          | 1.70            | 1 / 37         | 25.67                 | 27.37      | 0.545    | 33.01            | -5.64       |
|           | QPSK                        | 2507.5          | 1.70            | 1 / 1          | 25.60                 | 27.30      | 0.538    | 33.01            | -5.71       |
|           |                             | 2535.0          | 1.70            | 1 / 73         | 25.64                 | 27.34      | 0.543    | 33.01            | -5.67       |
|           |                             | 2562.5          | 1.70            | 1 / 73         | 25.68                 | 27.38      | 0.547    | 33.01            | -5.63       |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2535.0          | 1.70            | 1 / 37         | 24.75                 | 26.45      | 0.441    | 33.01            | -6.56       |
|           |                             | 2562.5          | 1.70            | 1 / 37         | 23.19                 | 24.89      | 0.308    | 33.01            | -8.12       |
|           |                             | 2535.0          | 1.70            | 1 / 37         | 21.22                 | 22.92      | 0.196    | 33.01            | -10.10      |
| 20 MHz    | π/2 BPSK                    | 2510.0          | 1.70            | 1 / 50         | 25.67                 | 27.37      | 0.546    | 33.01            | -5.64       |
|           |                             | 2535.0          | 1.70            | 1 / 50         | 25.64                 | 27.34      | 0.542    | 33.01            | -5.67       |
|           |                             | 2560.0          | 1.70            | 1 / 98         | 25.69                 | 27.39      | 0.548    | 33.01            | -5.62       |
|           | QPSK                        | 2510.0          | 1.70            | 1 / 1          | 25.62                 | 27.32      | 0.540    | 33.01            | -5.69       |
|           |                             | 2535.0          | 1.70            | 1 / 98         | 25.69                 | 27.39      | 0.548    | 33.01            | -5.62       |
|           |                             | 2560.0          | 1.70            | 1 / 1          | 25.69                 | 27.39      | 0.549    | 33.01            | -5.62       |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2560.0          | 1.70            | 1 / 50         | 24.87                 | 26.57      | 0.454    | 33.01            | -6.44       |
|           |                             | 2560.0          | 1.70            | 1 / 1          | 23.29                 | 24.99      | 0.315    | 33.01            | -8.02       |
|           |                             | 2560.0          | 1.70            | 1 / 50         | 21.17                 | 22.87      | 0.194    | 33.01            | -10.14      |
| 25 MHz    | π/2 BPSK                    | 2512.5          | 1.70            | 1 / 1          | 25.64                 | 27.34      | 0.542    | 33.01            | -5.67       |
|           |                             | 2535.0          | 1.70            | 1 / 131        | 25.70                 | 27.40      | 0.549    | 33.01            | -5.61       |
|           |                             | 2557.5          | 1.70            | 1 / 1          | 25.67                 | 27.37      | 0.546    | 33.01            | -5.64       |
|           | QPSK                        | 2512.5          | 1.70            | 1 / 131        | 25.63                 | 27.33      | 0.541    | 33.01            | -5.68       |
|           |                             | 2535.0          | 1.70            | 1 / 131        | 25.61                 | 27.31      | 0.538    | 33.01            | -5.70       |
|           |                             | 2557.5          | 1.70            | 1 / 1          | 25.69                 | 27.39      | 0.548    | 33.01            | -5.62       |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2557.5          | 1.70            | 1 / 1          | 24.69                 | 26.39      | 0.436    | 33.01            | -6.62       |
|           |                             | 2557.5          | 1.70            | 1 / 1          | 23.19                 | 24.89      | 0.309    | 33.01            | -8.12       |
|           |                             | 2535.0          | 1.70            | 1 / 131        | 21.13                 | 22.83      | 0.192    | 33.01            | -10.18      |
| 30 MHz    | π/2 BPSK                    | 2515.0          | 1.70            | 1 / 158        | 25.55                 | 27.25      | 0.531    | 33.01            | -5.76       |
|           |                             | 2535.0          | 1.70            | 1 / 158        | 25.69                 | 27.39      | 0.549    | 33.01            | -5.62       |
|           |                             | 2555.0          | 1.70            | 1 / 1          | 25.65                 | 27.35      | 0.544    | 33.01            | -5.66       |
|           | QPSK                        | 2515.0          | 1.70            | 1 / 80         | 25.62                 | 27.32      | 0.539    | 33.01            | -5.69       |
|           |                             | 2535.0          | 1.70            | 1 / 158        | 25.68                 | 27.38      | 0.547    | 33.01            | -5.63       |
|           |                             | 2555.0          | 1.70            | 1 / 1          | 25.59                 | 27.29      | 0.536    | 33.01            | -5.72       |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2515.0          | 1.70            | 1 / 158        | 24.79                 | 26.49      | 0.446    | 33.01            | -6.52       |
|           |                             | 2515.0          | 1.70            | 1 / 158        | 23.15                 | 24.85      | 0.305    | 33.01            | -8.16       |
|           |                             | 2555.0          | 1.70            | 1 / 158        | 23.08                 | 24.78      | 0.300    | 33.01            | -8.23       |
| 35 MHz    | π/2 BPSK                    | 2517.5          | 1.70            | 1 / 186        | 25.41                 | 27.11      | 0.514    | 33.01            | -5.90       |
|           |                             | 2535.0          | 1.70            | 1 / 186        | 25.43                 | 27.13      | 0.517    | 33.01            | -5.88       |
|           |                             | 2552.5          | 1.70            | 1 / 186        | 25.48                 | 27.18      | 0.522    | 33.01            | -5.83       |
|           | QPSK                        | 2517.5          | 1.70            | 1 / 186        | 25.52                 | 27.22      | 0.527    | 33.01            | -5.79       |
|           |                             | 2535.0          | 1.70            | 1 / 186        | 25.57                 | 27.27      | 0.533    | 33.01            | -5.74       |
|           |                             | 2552.5          | 1.70            | 1 / 186        | 25.53                 | 27.23      | 0.528    | 33.01            | -5.78       |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2535.0          | 1.70            | 1 / 186        | 24.65                 | 26.35      | 0.431    | 33.01            | -6.66       |
|           |                             | 2517.5          | 1.70            | 1 / 1          | 23.18                 | 24.88      | 0.308    | 33.01            | -8.13       |
|           |                             | 2535.0          | 1.70            | 1 / 186        | 21.05                 | 22.75      | 0.188    | 33.01            | -10.26      |
| 40 MHz    | π/2 BPSK                    | 2520.0          | 1.70            | 1 / 1          | 25.68                 | 27.38      | 0.547    | 33.01            | -5.63       |
|           |                             | 2535.0          | 1.70            | 1 / 1          | 25.67                 | 27.37      | 0.545    | 33.01            | -5.64       |
|           |                             | 2550.0          | 1.70            | 1 / 214        | 25.65                 | 27.35      | 0.543    | 33.01            | -5.66       |
|           | QPSK                        | 2520.0          | 1.70            | 1 / 214        | 25.63                 | 27.33      | 0.541    | 33.01            | -5.68       |
|           |                             | 2535.0          | 1.70            | 1 / 108        | 25.67                 | 27.37      | 0.545    | 33.01            | -5.64       |
|           |                             | 2550.0          | 1.70            | 1 / 214        | 25.70                 | 27.40      | 0.549    | 33.01            | -5.61       |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2520.0          | 1.70            | 1 / 108        | 24.83                 | 26.53      | 0.450    | 33.01            | -6.48       |
|           |                             | 2535.0          | 1.70            | 1 / 214        | 23.24                 | 24.94      | 0.312    | 33.01            | -8.07       |
|           |                             | 2550.0          | 1.70            | 1 / 1          | 21.23                 | 22.93      | 0.196    | 33.01            | -10.08      |

Table 7-8. Antenna 4 EIRP Data (NR Band n7)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 489 of 572                   |

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## NR Band n41(PC2)

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 2501.0          | 1.00            | 1 / 22         | 27.60                 | <b>28.60</b> | 0.724    | 33.01            | -4.41       |
|           |          | 2593.0          | 1.00            | 1 / 11         | 27.70                 | <b>28.70</b> | 0.741    | 33.01            | -4.31       |
|           |          | 2685.0          | 1.00            | 1 / 11         | 27.61                 | 28.61        | 0.726    | 33.01            | -4.40       |
|           | QPSK     | 2501.0          | 1.00            | 1 / 11         | 27.20                 | 28.20        | 0.661    | 33.01            | -4.81       |
|           |          | 2593.0          | 1.00            | 1 / 11         | 27.68                 | <b>28.68</b> | 0.738    | 33.01            | -4.33       |
|           |          | 2685.0          | 1.00            | 1 / 11         | 27.66                 | 28.66        | 0.735    | 33.01            | -4.35       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 11         | 26.40                 | 27.40        | 0.550    | 33.01            | -5.61       |
|           |          | 2501.0          | 1.00            | 1 / 11         | 25.18                 | 26.18        | 0.415    | 33.01            | -6.83       |
|           |          | 2685.0          | 1.00            | 1 / 22         | 23.62                 | 24.62        | 0.290    | 33.01            | -8.39       |
|           | 256-QAM  | 2503.5          | 1.00            | 1 / 1          | 27.49                 | 28.49        | 0.706    | 33.01            | -4.52       |
| 15 MHz    | π/2 BPSK | 2593.0          | 1.00            | 1 / 19         | 27.68                 | 28.68        | 0.738    | 33.01            | -4.33       |
|           |          | 2682.5          | 1.00            | 1 / 19         | 27.70                 | <b>28.70</b> | 0.741    | 33.01            | -4.31       |
|           |          | 2503.5          | 1.00            | 1 / 1          | 27.70                 | 28.70        | 0.741    | 33.01            | -4.31       |
|           | QPSK     | 2593.0          | 1.00            | 1 / 19         | 27.48                 | 28.48        | 0.705    | 33.01            | -4.53       |
|           |          | 2682.5          | 1.00            | 1 / 19         | 27.47                 | 28.47        | 0.703    | 33.01            | -4.54       |
|           |          | 2503.5          | 1.00            | 1 / 19         | 26.65                 | 27.65        | 0.582    | 33.01            | -5.36       |
|           | 16-QAM   | 2503.5          | 1.00            | 1 / 19         | 25.16                 | 26.16        | 0.413    | 33.01            | -6.85       |
|           |          | 2682.5          | 1.00            | 1 / 36         | 23.15                 | 24.15        | 0.260    | 33.01            | -8.87       |
|           |          | 2506.0          | 1.00            | 1 / 25         | 27.70                 | 28.70        | 0.741    | 33.01            | -4.31       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 25         | 27.57                 | 28.57        | 0.719    | 33.01            | -4.44       |
| 20 MHz    | π/2 BPSK | 2680.0          | 1.00            | 1 / 25         | 27.54                 | 28.54        | 0.714    | 33.01            | -4.47       |
|           |          | 2506.0          | 1.00            | 1 / 1          | 27.60                 | 28.60        | 0.724    | 33.01            | -4.41       |
|           |          | 2593.0          | 1.00            | 1 / 25         | 27.63                 | <b>28.63</b> | 0.729    | 33.01            | -4.39       |
|           | QPSK     | 2680.0          | 1.00            | 1 / 25         | 27.62                 | 28.62        | 0.727    | 33.01            | -4.39       |
|           |          | 2593.0          | 1.00            | 1 / 49         | 26.78                 | 27.78        | 0.600    | 33.01            | -5.23       |
|           |          | 2680.0          | 1.00            | 1 / 25         | 25.39                 | 26.39        | 0.435    | 33.01            | -6.62       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 25         | 23.04                 | 24.04        | 0.253    | 33.01            | -8.97       |
|           |          | 2506.0          | 1.00            | 1 / 25         | 27.55                 | 28.55        | 0.716    | 33.01            | -4.46       |
|           |          | 2593.0          | 1.00            | 1 / 39         | 27.68                 | 28.68        | 0.738    | 33.01            | -4.33       |
|           | 256-QAM  | 2675.0          | 1.00            | 1 / 39         | 27.70                 | <b>28.70</b> | 0.741    | 33.01            | -4.31       |
| 30 MHz    | π/2 BPSK | 2511.0          | 1.00            | 1 / 1          | 27.69                 | 28.69        | 0.740    | 33.01            | -4.32       |
|           |          | 2593.0          | 1.00            | 1 / 39         | 27.62                 | 28.62        | 0.728    | 33.01            | -4.39       |
|           |          | 2675.0          | 1.00            | 1 / 39         | 27.68                 | 28.68        | 0.738    | 33.01            | -4.33       |
|           | QPSK     | 2593.0          | 1.00            | 1 / 39         | 26.61                 | 27.61        | 0.577    | 33.01            | -5.40       |
|           |          | 2675.0          | 1.00            | 1 / 39         | 25.26                 | 26.26        | 0.422    | 33.01            | -6.75       |
|           |          | 2593.0          | 1.00            | 1 / 39         | 23.22                 | 24.22        | 0.264    | 33.01            | -8.79       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 53         | 27.62                 | 28.62        | 0.728    | 33.01            | -4.39       |
|           |          | 2670.0          | 1.00            | 1 / 53         | 27.66                 | <b>28.66</b> | 0.735    | 33.01            | -4.35       |
|           |          | 2516.0          | 1.00            | 1 / 53         | 27.30                 | 28.30        | 0.676    | 33.01            | -4.71       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 53         | 27.53                 | 28.53        | 0.712    | 33.01            | -4.48       |
| 40 MHz    | π/2 BPSK | 2670.0          | 1.00            | 1 / 53         | 27.63                 | 28.63        | 0.730    | 33.01            | -4.38       |
|           |          | 2516.0          | 1.00            | 1 / 53         | 26.40                 | 27.40        | 0.550    | 33.01            | -5.61       |
|           |          | 2670.0          | 1.00            | 1 / 53         | 25.09                 | 26.09        | 0.406    | 33.01            | -6.92       |
|           | QPSK     | 2516.0          | 1.00            | 1 / 53         | 23.13                 | 24.13        | 0.259    | 33.01            | -8.88       |
|           |          | 2521.0          | 1.00            | 1 / 131        | 27.62                 | 28.62        | 0.728    | 33.01            | -4.39       |
|           |          | 2593.0          | 1.00            | 1 / 66         | 27.58                 | <b>28.58</b> | 0.722    | 33.01            | -4.43       |
|           | 16-QAM   | 2665.0          | 1.00            | 1 / 66         | 27.44                 | 28.44        | 0.699    | 33.01            | -4.57       |
|           |          | 2521.0          | 1.00            | 1 / 131        | 27.53                 | 28.53        | 0.713    | 33.01            | -4.48       |
|           |          | 2593.0          | 1.00            | 1 / 66         | 27.39                 | 28.39        | 0.691    | 33.01            | -4.62       |
|           | 256-QAM  | 2665.0          | 1.00            | 1 / 66         | 27.40                 | 28.40        | 0.691    | 33.01            | -4.61       |
| 50 MHz    | π/2 BPSK | 2665.0          | 1.00            | 1 / 66         | 26.68                 | 27.68        | 0.586    | 33.01            | -5.33       |
|           |          | 2521.0          | 1.00            | 1 / 66         | 25.11                 | 26.11        | 0.408    | 33.01            | -6.90       |
|           |          | 2593.0          | 1.00            | 1 / 66         | 23.05                 | 24.05        | 0.254    | 33.01            | -8.96       |
|           | QPSK     | 2526.0          | 1.00            | 1 / 160        | 27.60                 | 28.60        | 0.724    | 33.01            | -4.41       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 27.57                 | <b>28.57</b> | 0.719    | 33.01            | -4.44       |
|           |          | 2660.0          | 1.00            | 1 / 1          | 27.55                 | 28.55        | 0.716    | 33.01            | -4.46       |
|           | 16-QAM   | 2526.0          | 1.00            | 1 / 81         | 27.68                 | 28.68        | 0.738    | 33.01            | -4.33       |
|           |          | 2593.0          | 1.00            | 1 / 81         | 27.46                 | 28.46        | 0.702    | 33.01            | -4.55       |
|           |          | 2660.0          | 1.00            | 1 / 1          | 27.57                 | <b>28.57</b> | 0.720    | 33.01            | -4.44       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 81         | 26.75                 | 27.75        | 0.595    | 33.01            | -5.26       |
| 60 MHz    | π/2 BPSK | 2593.0          | 1.00            | 1 / 81         | 25.15                 | 26.15        | 0.412    | 33.01            | -6.86       |
|           |          | 2660.0          | 1.00            | 1 / 81         | 22.99                 | 23.99        | 0.251    | 33.01            | -9.02       |
|           |          | 2531.0          | 1.00            | 1 / 1          | 27.55                 | 28.55        | 0.716    | 33.01            | -4.46       |
|           | QPSK     | 2593.0          | 1.00            | 1 / 81         | 27.64                 | <b>28.64</b> | 0.731    | 33.01            | -4.37       |
|           |          | 2660.0          | 1.00            | 1 / 1          | 27.43                 | 28.43        | 0.697    | 33.01            | -4.58       |
|           |          | 2531.0          | 1.00            | 1 / 81         | 27.56                 | 28.56        | 0.718    | 33.01            | -4.45       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 81         | 27.33                 | 28.33        | 0.680    | 33.01            | -4.68       |
|           |          | 2660.0          | 1.00            | 1 / 1          | 27.42                 | <b>28.42</b> | 0.696    | 33.01            | -4.59       |
|           |          | 2593.0          | 1.00            | 1 / 81         | 26.50                 | 27.50        | 0.563    | 33.01            | -5.51       |
|           | 256-QAM  | 2660.0          | 1.00            | 1 / 1          | 25.00                 | 26.00        | 0.398    | 33.01            | -7.01       |
| 70 MHz    | π/2 BPSK | 2593.0          | 1.00            | 1 / 81         | 23.11                 | 24.11        | 0.258    | 33.01            | -8.99       |
|           |          | 2536.0          | 1.00            | 1 / 1          | 27.60                 | 28.60        | 0.724    | 33.01            | -4.41       |
|           |          | 2593.0          | 1.00            | 1 / 108        | 27.49                 | 28.49        | 0.706    | 33.01            | -4.52       |
|           | QPSK     | 2536.0          | 1.00            | 1 / 1          | 27.43                 | 28.43        | 0.696    | 33.01            | -4.58       |
|           |          | 2536.0          | 1.00            | 1 / 1          | 27.37                 | 28.37        | 0.687    | 33.01            | -4.64       |
|           |          | 2593.0          | 1.00            | 1 / 108        | 27.39                 | 28.39        | 0.689    | 33.01            | -4.63       |
|           | 16-QAM   | 2650.0          | 1.00            | 1 / 1          | 27.63                 | <b>28.63</b> | 0.729    | 33.01            | -4.38       |
|           |          | 2650.0          | 1.00            | 1 / 1          | 26.84                 | 27.84        | 0.607    | 33.01            | -5.18       |
|           |          | 2650.0          | 1.00            | 1 / 1          | 25.23                 | 26.23        | 0.419    | 33.01            | -6.78       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 108        | 23.00                 | 24.00        | 0.251    | 33.01            | -9.01       |
| 80 MHz    | π/2 BPSK | 2541.0          | 1.00            | 1 / 1          | 27.70                 | 28.70        | 0.741    | 33.01            | -4.31       |
|           |          | 2593.0          | 1.00            | 1 / 122        | 27.59                 | <b>28.59</b> | 0.723    | 33.01            | -4.42       |
|           |          | 2645.0          | 1.00            | 1 / 1          | 27.54                 | 28.54        | 0.714    | 33.01            | -4.47       |
|           | QPSK     | 2541.0          | 1.00            | 1 / 1          | 27.70                 | 28.70        | 0.741    | 33.01            | -4.31       |
|           |          | 2593.0          | 1.00            | 1 / 122        | 27.40                 | <b>28.40</b> | 0.692    | 33.01            | -4.61       |
|           |          | 2645.0          | 1.00            | 1 / 1          | 27.37                 | 28.37        | 0.687    | 33.01            | -4.64       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 122        | 26.59                 | 27.59        | 0.575    | 33.01            | -5.42       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 25.31                 | 26.31        | 0.428    | 33.01            | -6.70       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 23.06                 | 24.06        | 0.255    | 33.01            | -8.95       |
|           | 256-QAM  | 2546.0          | 1.00            | 1 / 271        | 27.38                 | 28.38        | 0.689    | 33.01            | -4.63       |
| 90 MHz    | π/2 BPSK | 2593.0          | 1.00            | 1 / 136        | 27.69                 | <b>28.69</b> | 0.740    | 33.01            | -4.32       |
|           |          | 2640.0          | 1.00            | 1 / 136        | 27.51                 | 28.51        | 0.709    | 33.01            | -4.50       |
|           |          | 2546.0          | 1.00            | 1 / 271        | 27.65                 | 28.65        | 0.733    | 33.01            | -4.26       |
|           | QPSK     | 2593.0          | 1.00            | 1 / 136        | 27.51                 | 28.51        | 0.710    | 33.01            | -4.50       |
|           |          | 2640.0          | 1.00            | 1 / 136        | 27.38                 | 28.38        | 0.689    | 33.01            | -4.63       |
|           |          | 2640.0          | 1.00            | 1 / 1          | 26.39                 | 27.39        | 0.549    | 33.01            | -5.62       |
|           | 16-QAM   | 2640.0          | 1.00            | 1 / 1          | 25.06                 | 26.06        | 0.404    | 33.01            | -6.95       |
|           |          | 2593.0          | 1.00            | 1 / 136        | 23.07                 | 24.07        | 0.255    | 33.01            | -8.94       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 136        | 23.07                 | 24.07        | 0.255    | 33.01            | -8.94       |

Table 7-9. Antenna 4 EIRP Data (NR Band n41(PC2))

|                                            |                                                                                     |                            |  |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2903                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                               | EUT Type:<br>Tablet Device |  | Page 490 of 572                   |

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## NR Band n41(PC3)

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 2501.0          | 1.00            | 1 / 11         | 25.35                 | <b>26.35</b> | 0.432    | 33.01            | -6.66       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 25.51                 | <b>26.51</b> | 0.448    | 33.01            | -6.50       |
|           |          | 2685.0          | 1.00            | 1 / 11         | 25.28                 | 26.28        | 0.425    | 33.01            | -6.73       |
|           | QPSK     | 2501.0          | 1.00            | 1 / 22         | 25.49                 | 26.49        | 0.446    | 33.01            | -6.52       |
|           |          | 2593.0          | 1.00            | 1 / 11         | 25.51                 | <b>26.51</b> | 0.447    | 33.01            | -6.50       |
|           |          | 2685.0          | 1.00            | 1 / 11         | 25.33                 | 26.33        | 0.429    | 33.01            | -6.68       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 1          | 24.98                 | 25.98        | 0.397    | 33.01            | -7.03       |
|           | 64-QAM   | 2501.0          | 1.00            | 1 / 11         | 23.33                 | 24.33        | 0.271    | 33.01            | -8.68       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 1          | 21.13                 | 22.13        | 0.163    | 33.01            | -10.88      |
| 15 MHz    | π/2 BPSK | 2503.5          | 1.00            | 1 / 36         | 25.37                 | 26.37        | 0.433    | 33.01            | -6.64       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 25.57                 | 26.57        | 0.453    | 33.01            | -6.44       |
|           |          | 2682.5          | 1.00            | 1 / 19         | 25.70                 | <b>26.70</b> | 0.468    | 33.01            | -6.31       |
|           | QPSK     | 2503.5          | 1.00            | 1 / 36         | 25.56                 | 26.56        | 0.453    | 33.01            | -6.45       |
|           |          | 2593.0          | 1.00            | 1 / 36         | 25.63                 | <b>26.63</b> | 0.460    | 33.01            | -6.38       |
|           |          | 2682.5          | 1.00            | 1 / 36         | 25.33                 | 26.33        | 0.430    | 33.01            | -6.68       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 1          | 24.78                 | 25.78        | 0.378    | 33.01            | -7.23       |
|           | 64-QAM   | 2593.0          | 1.00            | 1 / 36         | 23.36                 | 24.36        | 0.273    | 33.01            | -8.65       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 19         | 21.31                 | 22.31        | 0.170    | 33.01            | -10.70      |
| 20 MHz    | π/2 BPSK | 2506.0          | 1.00            | 1 / 1          | 25.67                 | 26.67        | 0.465    | 33.01            | -6.34       |
|           |          | 2593.0          | 1.00            | 1 / 25         | 25.56                 | 26.56        | 0.453    | 33.01            | -6.45       |
|           |          | 2680.0          | 1.00            | 1 / 1          | 25.57                 | 26.57        | 0.454    | 33.01            | -6.44       |
|           | QPSK     | 2506.0          | 1.00            | 1 / 25         | 25.63                 | 26.63        | 0.460    | 33.01            | -6.38       |
|           |          | 2593.0          | 1.00            | 1 / 25         | 25.59                 | <b>26.59</b> | 0.456    | 33.01            | -6.42       |
|           |          | 2680.0          | 1.00            | 1 / 25         | 25.59                 | 26.59        | 0.456    | 33.01            | -6.42       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 25         | 24.67                 | 25.67        | 0.369    | 33.01            | -7.34       |
|           | 64-QAM   | 2680.0          | 1.00            | 1 / 25         | 23.21                 | 24.21        | 0.264    | 33.01            | -8.80       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 1          | 21.01                 | 22.01        | 0.159    | 33.01            | -11.00      |
| 30 MHz    | π/2 BPSK | 2511.0          | 1.00            | 1 / 1          | 25.69                 | 26.69        | 0.467    | 33.01            | -6.32       |
|           |          | 2593.0          | 1.00            | 1 / 39         | 25.61                 | 26.61        | 0.458    | 33.01            | -6.40       |
|           |          | 2675.0          | 1.00            | 1 / 39         | 25.59                 | 26.59        | 0.456    | 33.01            | -6.42       |
|           | QPSK     | 2511.0          | 1.00            | 1 / 76         | 25.69                 | 26.69        | 0.467    | 33.01            | -6.32       |
|           |          | 2593.0          | 1.00            | 1 / 39         | 25.64                 | 26.64        | 0.461    | 33.01            | -6.38       |
|           |          | 2675.0          | 1.00            | 1 / 39         | 25.69                 | <b>26.69</b> | 0.467    | 33.01            | -6.32       |
|           | 16-QAM   | 2675.0          | 1.00            | 1 / 39         | 24.73                 | 25.73        | 0.374    | 33.01            | -7.28       |
|           | 64-QAM   | 2675.0          | 1.00            | 1 / 1          | 23.35                 | 24.35        | 0.272    | 33.01            | -8.66       |
|           | 256-QAM  | 2675.0          | 1.00            | 1 / 39         | 21.07                 | 22.07        | 0.161    | 33.01            | -10.94      |
| 40 MHz    | π/2 BPSK | 2516.0          | 1.00            | 1 / 104        | 25.48                 | 26.48        | 0.445    | 33.01            | -6.53       |
|           |          | 2593.0          | 1.00            | 1 / 53         | 25.60                 | 26.60        | 0.457    | 33.01            | -6.41       |
|           |          | 2670.0          | 1.00            | 1 / 1          | 25.69                 | 26.69        | 0.467    | 33.01            | -6.32       |
|           | QPSK     | 2516.0          | 1.00            | 1 / 1          | 25.66                 | 26.66        | 0.463    | 33.01            | -6.35       |
|           |          | 2593.0          | 1.00            | 1 / 53         | 25.63                 | 26.63        | 0.460    | 33.01            | -6.38       |
|           |          | 2670.0          | 1.00            | 1 / 1          | 25.68                 | <b>26.68</b> | 0.466    | 33.01            | -6.33       |
|           | 16-QAM   | 2670.0          | 1.00            | 1 / 53         | 24.66                 | 25.66        | 0.368    | 33.01            | -7.35       |
|           | 64-QAM   | 2670.0          | 1.00            | 1 / 1          | 23.22                 | 24.22        | 0.264    | 33.01            | -8.79       |
|           | 256-QAM  | 2670.0          | 1.00            | 1 / 53         | 21.12                 | 22.12        | 0.163    | 33.01            | -10.89      |
| 50 MHz    | π/2 BPSK | 2521.0          | 1.00            | 1 / 131        | 25.59                 | 26.59        | 0.456    | 33.01            | -6.42       |
|           |          | 2593.0          | 1.00            | 1 / 66         | 25.63                 | <b>26.63</b> | 0.460    | 33.01            | -6.38       |
|           |          | 2665.0          | 1.00            | 1 / 66         | 25.52                 | 26.52        | 0.449    | 33.01            | -6.49       |
|           | QPSK     | 2521.0          | 1.00            | 1 / 1          | 25.56                 | 26.56        | 0.453    | 33.01            | -6.45       |
|           |          | 2593.0          | 1.00            | 1 / 66         | 25.59                 | 26.59        | 0.456    | 33.01            | -6.42       |
|           |          | 2665.0          | 1.00            | 1 / 1          | 25.61                 | <b>26.61</b> | 0.458    | 33.01            | -6.40       |
|           | 16-QAM   | 2665.0          | 1.00            | 1 / 1          | 24.72                 | 25.72        | 0.374    | 33.01            | -7.29       |
|           | 64-QAM   | 2521.0          | 1.00            | 1 / 66         | 23.07                 | 24.07        | 0.255    | 33.01            | -8.94       |
|           | 256-QAM  | 2665.0          | 1.00            | 1 / 1          | 21.13                 | 22.13        | 0.163    | 33.01            | -10.88      |
| 60 MHz    | π/2 BPSK | 2526.0          | 1.00            | 1 / 1          | 25.51                 | 26.51        | 0.448    | 33.01            | -6.50       |
|           |          | 2593.0          | 1.00            | 1 / 81         | 25.54                 | <b>26.54</b> | 0.451    | 33.01            | -6.47       |
|           |          | 2660.0          | 1.00            | 1 / 81         | 25.49                 | 26.49        | 0.446    | 33.01            | -6.52       |
|           | QPSK     | 2526.0          | 1.00            | 1 / 1          | 25.34                 | 26.34        | 0.431    | 33.01            | -6.67       |
|           |          | 2593.0          | 1.00            | 1 / 81         | 25.60                 | <b>26.60</b> | 0.458    | 33.01            | -6.41       |
|           |          | 2660.0          | 1.00            | 1 / 1          | 25.52                 | 26.52        | 0.449    | 33.01            | -6.49       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 81         | 24.63                 | 25.63        | 0.365    | 33.01            | -7.38       |
|           | 64-QAM   | 2593.0          | 1.00            | 1 / 81         | 23.29                 | 24.29        | 0.269    | 33.01            | -8.72       |
|           | 256-QAM  | 2660.0          | 1.00            | 1 / 1          | 21.13                 | 22.13        | 0.163    | 33.01            | -10.88      |
| 70 MHz    | π/2 BPSK | 2531.0          | 1.00            | 1 / 81         | 25.70                 | 26.70        | 0.468    | 33.01            | -6.31       |
|           |          | 2593.0          | 1.00            | 1 / 81         | 25.50                 | 26.50        | 0.446    | 33.01            | -6.51       |
|           |          | 2660.0          | 1.00            | 1 / 1          | 25.47                 | 26.47        | 0.444    | 33.01            | -6.54       |
|           | QPSK     | 2531.0          | 1.00            | 1 / 1          | 25.56                 | 26.56        | 0.453    | 33.01            | -6.45       |
|           |          | 2593.0          | 1.00            | 1 / 81         | 25.48                 | 26.48        | 0.444    | 33.01            | -6.53       |
|           |          | 2660.0          | 1.00            | 1 / 1          | 25.47                 | 26.47        | 0.444    | 33.01            | -6.54       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 160        | 24.59                 | 25.59        | 0.363    | 33.01            | -7.42       |
|           | 64-QAM   | 2660.0          | 1.00            | 1 / 81         | 23.08                 | 24.08        | 0.256    | 33.01            | -8.93       |
|           | 256-QAM  | 2660.0          | 1.00            | 1 / 81         | 20.92                 | 21.92        | 0.155    | 33.01            | -11.09      |
| 80 MHz    | π/2 BPSK | 2536.0          | 1.00            | 1 / 108        | 25.65                 | 26.65        | 0.462    | 33.01            | -6.36       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 25.49                 | 26.49        | 0.445    | 33.01            | -6.52       |
|           |          | 2650.0          | 1.00            | 1 / 1          | 25.65                 | <b>26.65</b> | 0.462    | 33.01            | -6.36       |
|           | QPSK     | 2536.0          | 1.00            | 1 / 1          | 25.51                 | 26.51        | 0.448    | 33.01            | -6.50       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 25.48                 | 26.48        | 0.444    | 33.01            | -6.53       |
|           |          | 2650.0          | 1.00            | 1 / 1          | 25.51                 | <b>26.51</b> | 0.447    | 33.01            | -6.50       |
|           | 16-QAM   | 2650.0          | 1.00            | 1 / 108        | 24.57                 | 25.57        | 0.361    | 33.01            | -7.44       |
|           | 64-QAM   | 2593.0          | 1.00            | 1 / 1          | 23.04                 | 24.04        | 0.254    | 33.01            | -8.97       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 1          | 20.91                 | 21.91        | 0.155    | 33.01            | -11.10      |
| 90 MHz    | π/2 BPSK | 2541.0          | 1.00            | 1 / 1          | 25.70                 | 26.70        | 0.468    | 33.01            | -6.31       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 25.48                 | 26.48        | 0.445    | 33.01            | -6.53       |
|           |          | 2645.0          | 1.00            | 1 / 1          | 25.55                 | <b>26.55</b> | 0.452    | 33.01            | -6.46       |
|           | QPSK     | 2541.0          | 1.00            | 1 / 1          | 24.43                 | 25.43        | 0.349    | 33.01            | -7.58       |
|           |          | 2593.0          | 1.00            | 1 / 122        | 25.50                 | 26.50        | 0.447    | 33.01            | -6.51       |
|           |          | 2645.0          | 1.00            | 1 / 122        | 25.54                 | <b>26.54</b> | 0.451    | 33.01            | -6.47       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 1          | 24.74                 | 25.74        | 0.375    | 33.01            | -7.27       |
|           | 64-QAM   | 2593.0          | 1.00            | 1 / 122        | 23.18                 | 24.18        | 0.262    | 33.01            | -8.83       |
|           | 256-QAM  | 2645.0          | 1.00            | 1 / 1          | 21.04                 | 22.04        | 0.160    | 33.01            | -10.97      |
| 100 MHz   | π/2 BPSK | 2546.0          | 1.00            | 1 / 136        | 25.46                 | 26.46        | 0.443    | 33.01            | -6.55       |
|           |          | 2593.0          | 1.00            | 1 / 1          | 25.51                 | <b>26.51</b> | 0.448    | 33.01            | -6.50       |
|           |          | 2640.0          | 1.00            | 1 / 1          | 25.46                 | 26.46        | 0.443    | 33.01            | -6.55       |
|           | QPSK     | 2546.0          | 1.00            | 1 / 136        | 24.45                 | 25.45        | 0.350    | 33.01            | -7.56       |
|           |          | 2593.0          | 1.00            | 1 / 136        | 25.58                 | <b>26.58</b> | 0.455    | 33.01            | -6.43       |
|           |          | 2640.0          | 1.00            | 1 / 1          | 25.57                 | 26.57        | 0.454    | 33.01            | -6.44       |
|           | 16-QAM   | 2593.0          | 1.00            | 1 / 1          | 24.86                 | 25.86        | 0.386    | 33.01            | -7.15       |
|           | 64-QAM   | 2640.0          | 1.00            | 1 / 271        | 23.19                 | 24.19        | 0.262    | 33.01            | -8.82       |
|           | 256-QAM  | 2593.0          | 1.00            | 1 / 136        | 21.00                 | 22.00        | 0.159    | 33.01            | -11.01      |

Table 7-10. Antenna 4 EIRP Data (NR Band n41(PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 491 of 572                   |

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## ULCA LTE Band 7

| Power State | Band   | Bandwidth (PCC + SCC) | PCC        |            |              |         |              | SCC        |            |              |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |       |
|-------------|--------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|-------|
|             |        |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |       |
| Max         | LTE B7 | 20MHz + 20MHz         | QPSK       | 20850      | 2510.0       | 1       | 99           | QPSK       | 21048      | 2529.8       | 1       | 0            | 25.45                | 1.70            | 27.15      | 0.519    | 33.01            | -5.86       |       |
|             |        |                       |            | 21100      | 2535.0       | 1       | 99           |            | 21298      | 2554.8       | 1       | 0            | 25.29                | 1.70            | 27.09      | 0.512    | 33.01            | -5.92       |       |
|             |        |                       |            | 21350      | 2560.0       | 1       | 0            |            | 21152      | 2540.2       | 1       | 99           | 25.28                | 1.70            | 27.10      | 0.513    | 33.01            | -5.91       |       |
|             |        |                       | QPSK       | 20850      | 2510         | 100     | 0            | QPSK       | 21048      | 2529.8       | 100     | 0            | 23.66                | 1.70            | 25.36      | 0.344    | 33.01            | -7.65       |       |
|             |        |                       |            | 16-QAM     | 20850        | 2510    | 100          |            | 16-QAM     | 21048        | 2529.8  | 100          | 0                    | 23.09           | 1.70       | 26.83    | 0.493            | 33.01       | -6.08 |
|             |        |                       |            | 64-QAM     | 20850        | 2510    | 100          |            | 64-QAM     | 21048        | 2529.8  | 100          | 0                    | 22.42           | 1.70       | 24.12    | 0.258            | 33.01       | -8.89 |
|             |        |                       | 256-QAM    | 20850      | 2510         | 100     | 0            | 256-QAM    | 21048      | 2529.8       | 100     | 0            | 20.92                | 1.70            | 23.52      | 0.225    | 33.01            | -9.49       |       |
|             |        |                       |            | 20850      | 2510         | 100     | 0            |            | 21048      | 2529.8       | 100     | 0            | 20.92                | 1.70            | 23.52      | 0.225    | 33.01            | -9.49       |       |

Table 7-11. Antenna 4 EIRP Data (ULCA LTE Band 7)

## ULCA LTE Band 41(PC2)

| Power State | Band          | Bandwidth (PCC + SCC) | PCC        |            |              |         |              | SCC        |            |              |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |       |       |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|-------|-------|
|             |               |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |       |       |
| Max         | LTE B41 (PC2) | 20MHz + 20MHz         | QPSK       | 39750      | 2506.0       | 1       | 99           | QPSK       | 39948      | 2525.8       | 1       | 0            | 27.62                | 1.00            | 28.62      | 0.728    | 33.01            | -4.39       |       |       |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1       | 0            | 27.32                | 1.00            | 28.32      | 0.679    | 33.01            | -4.69       |       |       |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 99      | 1            | 27.27                | 1.00            | 28.27      | 0.671    | 33.01            | -4.74       |       |       |
|             |               |                       | QPSK       | 39750      | 2506         | 100     | 0            | QPSK       | 39948      | 2525.8       | 100     | 0            | 25.79                | 1.00            | 26.79      | 0.478    | 33.01            | -6.22       |       |       |
|             |               |                       |            | 16-QAM     | 39750        | 2506    | 100          |            | 0          | 16-QAM       | 39948   | 2525.8       | 100                  | 0               | 24.68      | 1.00     | 25.68            | 0.370       | 33.01 | -7.33 |
|             |               |                       |            | 64-QAM     | 39750        | 2506    | 100          |            | 0          | 64-QAM       | 39948   | 2525.8       | 100                  | 0               | 23.66      | 1.00     | 24.66            | 0.292       | 33.01 | -8.35 |
|             |               |                       | 256-QAM    | 39750      | 2506         | 100     | 0            | 256-QAM    | 39948      | 2525.8       | 100     | 0            | 22.75                | 1.00            | 23.75      | 0.237    | 33.01            | -9.26       |       |       |
|             |               |                       |            | 39750      | 2506         | 100     | 0            |            | 39948      | 2525.8       | 100     | 0            | 22.75                | 1.00            | 23.75      | 0.237    | 33.01            | -9.26       |       |       |

Table 7-12. Antenna 4 EIRP Data (ULCA LTE Band 41 (PC2))

## ULCA LTE Band 41(PC3)

| Power State | Band          | Bandwidth (PCC + SCC) | PCC        |            |              |         |              | SCC        |            |              |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |       |       |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|-------|-------|
|             |               |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |       |       |
| Max         | LTE B41 (PC3) | 20MHz + 20MHz         | QPSK       | 39750      | 2506.0       | 1       | 99           | QPSK       | 39948      | 2525.8       | 1       | 0            | 25.41                | 1.00            | 26.41      | 0.438    | 33.01            | -6.60       |       |       |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1       | 0            | 25.30                | 1.00            | 26.30      | 0.427    | 33.01            | -6.71       |       |       |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1       | 99           | 25.26                | 1.00            | 26.26      | 0.423    | 33.01            | -6.75       |       |       |
|             |               |                       | QPSK       | 39750      | 2506         | 100     | 0            | QPSK       | 39948      | 2525.8       | 100     | 0            | 24.08                | 1.00            | 25.08      | 0.322    | 33.01            | -7.93       |       |       |
|             |               |                       |            | 16-QAM     | 39750        | 2506    | 100          |            | 0          | 16-QAM       | 39948   | 2525.8       | 100                  | 0               | 23.18      | 1.00     | 24.18            | 0.262       | 33.01 | -8.83 |
|             |               |                       |            | 64-QAM     | 39750        | 2506    | 100          |            | 0          | 64-QAM       | 39948   | 2525.8       | 100                  | 0               | 22.79      | 1.00     | 23.79            | 0.239       | 33.01 | -9.22 |
|             |               |                       | 256-QAM    | 39750      | 2506         | 100     | 0            | 256-QAM    | 39948      | 2525.8       | 100     | 0            | 20.80                | 1.00            | 21.80      | 0.151    | 33.01            | -11.21      |       |       |
|             |               |                       |            | 39750      | 2506         | 100     | 0            |            | 39948      | 2525.8       | 100     | 0            | 20.80                | 1.00            | 21.80      | 0.151    | 33.01            | -11.21      |       |       |

Table 7-13. Antenna 4 EIRP Data (ULCA LTE Band 41 (PC3))

|                                            |                                                                                     |                            |  |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2903                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                               | EUT Type:<br>Tablet Device |  | Page 492 of 572                   |

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## 7.6.2 Antenna 2b - EIRP

### LTE-Band 30

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2307.5          | -1.30           | 1 / 0          | 24.20                 | <b>22.90</b> | 0.195    | 23.98            | -1.08       |
|           |         | 2310.0          | -1.30           | 1 / 0          | 24.20                 | <b>22.90</b> | 0.195    | 23.98            | -1.08       |
|           |         | 2312.5          | -1.30           | 1 / 0          | 24.08                 | 22.78        | 0.190    | 23.98            | -1.20       |
|           | 16-QAM  | 2310.0          | -1.30           | 1 / 0          | 23.47                 | 22.17        | 0.165    | 23.98            | -1.81       |
|           | 64-QAM  | 2310.0          | -1.30           | 1 / 0          | 22.35                 | 21.05        | 0.127    | 23.98            | -2.93       |
| 10 MHz    | 256-QAM | 2307.5          | -1.30           | 1 / 0          | 19.33                 | 18.03        | 0.064    | 23.98            | -5.95       |
|           | QPSK    | 2310.0          | -1.30           | 1 / 25         | 24.12                 | <b>22.82</b> | 0.191    | 23.98            | -1.16       |
|           | 16-QAM  | 2310.0          | -1.30           | 1 / 25         | 23.36                 | 22.06        | 0.161    | 23.98            | -1.92       |
|           | 64-QAM  | 2310.0          | -1.30           | 1 / 25         | 22.18                 | 20.88        | 0.122    | 23.98            | -3.10       |
|           | 256-QAM | 2310.0          | -1.30           | 1 / 25         | 19.26                 | 17.96        | 0.063    | 23.98            | -6.02       |

Table 7-14. Antenna 2b EIRP Data (LTE Band 30)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 493 of 572                   |

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## LTE-Band 7

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2502.5          | -0.20           | 1 / 0          | 24.20                 | <b>24.00</b> | 0.251    | 33.01            | -9.01       |
|           |         | 2535.0          | -0.20           | 1 / 0          | 24.00                 | 23.80        | 0.240    | 33.01            | -9.21       |
|           |         | 2567.5          | -0.20           | 1 / 0          | 23.94                 | 23.74        | 0.237    | 33.01            | -9.27       |
|           | 16-QAM  | 2567.5          | -0.20           | 1 / 0          | 23.19                 | 22.99        | 0.199    | 33.01            | -10.02      |
|           | 64-QAM  | 2502.5          | -0.20           | 1 / 12         | 22.21                 | 22.01        | 0.159    | 33.01            | -11.00      |
|           | 256-QAM | 2567.5          | -0.20           | 1 / 0          | 19.23                 | 19.03        | 0.080    | 33.01            | -13.98      |
| 10 MHz    | QPSK    | 2505.0          | -0.20           | 1 / 0          | 24.20                 | <b>24.00</b> | 0.251    | 33.01            | -9.01       |
|           |         | 2535.0          | -0.20           | 1 / 0          | 24.13                 | 23.93        | 0.247    | 33.01            | -9.08       |
|           |         | 2565.0          | -0.20           | 1 / 25         | 24.17                 | 23.97        | 0.249    | 33.01            | -9.04       |
|           | 16-QAM  | 2505.0          | -0.20           | 1 / 0          | 23.23                 | 23.03        | 0.201    | 33.01            | -9.98       |
|           | 64-QAM  | 2535.0          | -0.20           | 1 / 49         | 22.17                 | 21.97        | 0.157    | 33.01            | -11.04      |
|           | 256-QAM | 2505.0          | -0.20           | 1 / 25         | 19.30                 | 19.10        | 0.081    | 33.01            | -13.91      |
| 15 MHz    | QPSK    | 2507.5          | -0.20           | 1 / 0          | 24.20                 | <b>24.00</b> | 0.251    | 33.01            | -9.01       |
|           |         | 2535.0          | -0.20           | 1 / 0          | 24.02                 | 23.82        | 0.241    | 33.01            | -9.19       |
|           |         | 2562.5          | -0.20           | 1 / 0          | 23.97                 | 23.77        | 0.238    | 33.01            | -9.24       |
|           | 16-QAM  | 2507.5          | -0.20           | 1 / 37         | 23.16                 | 22.96        | 0.198    | 33.01            | -10.05      |
|           | 64-QAM  | 2507.5          | -0.20           | 1 / 0          | 22.20                 | 22.00        | 0.158    | 33.01            | -11.01      |
|           | 256-QAM | 2535.0          | -0.20           | 1 / 0          | 19.28                 | 19.08        | 0.081    | 33.01            | -13.93      |
| 20 MHz    | QPSK    | 2510.0          | -0.20           | 1 / 0          | 24.20                 | <b>24.00</b> | 0.251    | 33.01            | -9.01       |
|           |         | 2535.0          | -0.20           | 1 / 0          | 23.84                 | 23.64        | 0.231    | 33.01            | -9.37       |
|           |         | 2560.0          | -0.20           | 1 / 50         | 24.20                 | 24.00        | 0.251    | 33.01            | -9.01       |
|           | 16-QAM  | 2510.0          | -0.20           | 1 / 50         | 23.16                 | 22.96        | 0.198    | 33.01            | -10.05      |
|           | 64-QAM  | 2510.0          | -0.20           | 1 / 99         | 22.11                 | 21.91        | 0.155    | 33.01            | -11.10      |
|           | 256-QAM | 2535.0          | -0.20           | 1 / 99         | 19.26                 | <b>19.06</b> | 0.081    | 33.01            | -13.95      |

Table 7-15. Antenna 2b EIRP Data (LTE Band 7)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 494 of 572                   |

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## LTE-Band 41 (PC2)

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2498.5          | -0.90           | 1 / 0          | 28.67                 | <b>27.77</b> | 0.598    | 33.01            | -5.24       |
|           |         | 2593.0          | -0.90           | 1 / 0          | 28.45                 | 27.55        | 0.569    | 33.01            | -5.46       |
|           |         | 2687.5          | -0.90           | 1 / 0          | 28.21                 | 27.31        | 0.538    | 33.01            | -5.70       |
|           | 16-QAM  | 2498.5          | -0.90           | 1 / 0          | 27.70                 | 26.80        | 0.479    | 33.01            | -6.21       |
|           | 64-QAM  | 2498.5          | -0.90           | 1 / 0          | 27.07                 | 26.17        | 0.414    | 33.01            | -6.84       |
|           | 256-QAM | 2498.5          | -0.90           | 1 / 0          | 26.43                 | 25.53        | 0.357    | 33.01            | -7.48       |
| 10 MHz    | QPSK    | 2501.0          | -0.90           | 1 / 0          | 28.68                 | <b>27.78</b> | 0.600    | 33.01            | -5.23       |
|           |         | 2593.0          | -0.90           | 1 / 0          | 28.43                 | 27.53        | 0.566    | 33.01            | -5.48       |
|           |         | 2685.0          | -0.90           | 1 / 0          | 28.27                 | 27.37        | 0.546    | 33.01            | -5.64       |
|           | 16-QAM  | 2501.0          | -0.90           | 1 / 0          | 27.70                 | 26.80        | 0.479    | 33.01            | -6.21       |
|           | 64-QAM  | 2501.0          | -0.90           | 1 / 0          | 27.15                 | 26.25        | 0.422    | 33.01            | -6.76       |
|           | 256-QAM | 2501.0          | -0.90           | 1 / 0          | 26.69                 | 25.79        | 0.379    | 33.01            | -7.22       |
| 15 MHz    | QPSK    | 2503.5          | -0.90           | 1 / 0          | 28.70                 | <b>27.80</b> | 0.603    | 33.01            | -5.21       |
|           |         | 2593.0          | -0.90           | 1 / 0          | 28.30                 | 27.40        | 0.550    | 33.01            | -5.61       |
|           |         | 2682.5          | -0.90           | 1 / 0          | 28.32                 | 27.42        | 0.552    | 33.01            | -5.59       |
|           | 16-QAM  | 2503.5          | -0.90           | 1 / 0          | 27.54                 | 26.64        | 0.461    | 33.01            | -6.37       |
|           | 64-QAM  | 2503.5          | -0.90           | 1 / 74         | 27.08                 | 26.18        | 0.415    | 33.01            | -6.83       |
|           | 256-QAM | 2503.5          | -0.90           | 1 / 0          | 26.70                 | 25.80        | 0.380    | 33.01            | -7.21       |
| 20 MHz    | QPSK    | 2506.0          | -0.90           | 1 / 0          | 28.70                 | <b>27.80</b> | 0.603    | 33.01            | -5.21       |
|           |         | 2593.0          | -0.90           | 1 / 99         | 28.43                 | 27.53        | 0.566    | 33.01            | -5.48       |
|           |         | 2680.0          | -0.90           | 1 / 0          | 28.37                 | 27.47        | 0.558    | 33.01            | -5.54       |
|           | 16-QAM  | 2506.0          | -0.90           | 1 / 0          | 27.70                 | 26.80        | 0.479    | 33.01            | -6.21       |
|           | 64-QAM  | 2506.0          | -0.90           | 1 / 0          | 27.14                 | 26.24        | 0.421    | 33.01            | -6.77       |
|           | 256-QAM | 2506.0          | -0.90           | 1 / 0          | 26.70                 | 25.80        | 0.380    | 33.01            | -7.21       |

Table 7-16. Antenna 2b EIRP Data (LTE Band 41(PC2))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 495 of 572                   |

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## LTE-Band 41 (PC3)

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2498.5          | -0.90           | 1 / 0          | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           |         | 2593.0          | -0.90           | 1 / 0          | 25.43                 | 24.53        | 0.284    | 33.01            | -8.48       |
|           |         | 2687.5          | -0.90           | 1 / 0          | 25.23                 | 24.33        | 0.271    | 33.01            | -8.68       |
|           | 16-QAM  | 2498.5          | -0.90           | 1 / 0          | 24.52                 | 23.62        | 0.230    | 33.01            | -9.39       |
|           | 64-QAM  | 2498.5          | -0.90           | 1 / 0          | 24.23                 | 23.33        | 0.215    | 33.01            | -9.68       |
|           | 256-QAM | 2498.5          | -0.90           | 1 / 0          | 22.55                 | 21.65        | 0.146    | 33.01            | -11.36      |
| 10 MHz    | QPSK    | 2501.0          | -0.90           | 1 / 0          | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           |         | 2593.0          | -0.90           | 1 / 0          | 25.37                 | 24.47        | 0.280    | 33.01            | -8.54       |
|           |         | 2685.0          | -0.90           | 1 / 0          | 25.26                 | 24.36        | 0.273    | 33.01            | -8.65       |
|           | 16-QAM  | 2501.0          | -0.90           | 1 / 25         | 24.64                 | 23.74        | 0.237    | 33.01            | -9.27       |
|           | 64-QAM  | 2501.0          | -0.90           | 1 / 25         | 24.02                 | 23.12        | 0.205    | 33.01            | -9.89       |
|           | 256-QAM | 2501.0          | -0.90           | 1 / 0          | 22.57                 | 21.67        | 0.147    | 33.01            | -11.34      |
| 15 MHz    | QPSK    | 2503.5          | -0.90           | 1 / 0          | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           |         | 2593.0          | -0.90           | 1 / 0          | 25.42                 | 24.52        | 0.283    | 33.01            | -8.49       |
|           |         | 2682.5          | -0.90           | 1 / 0          | 25.27                 | 24.37        | 0.274    | 33.01            | -8.64       |
|           | 16-QAM  | 2503.5          | -0.90           | 1 / 0          | 24.36                 | 23.46        | 0.222    | 33.01            | -9.55       |
|           | 64-QAM  | 2503.5          | -0.90           | 1 / 37         | 24.22                 | 23.32        | 0.215    | 33.01            | -9.69       |
|           | 256-QAM | 2503.5          | -0.90           | 1 / 0          | 22.56                 | 21.66        | 0.147    | 33.01            | -11.35      |
| 20 MHz    | QPSK    | 2506.0          | -0.90           | 1 / 0          | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           |         | 2593.0          | -0.90           | 1 / 0          | 25.44                 | 24.54        | 0.284    | 33.01            | -8.47       |
|           |         | 2680.0          | -0.90           | 1 / 99         | 25.27                 | 24.37        | 0.274    | 33.01            | -8.64       |
|           | 16-QAM  | 2506.0          | -0.90           | 1 / 0          | 24.63                 | 23.73        | 0.236    | 33.01            | -9.28       |
|           | 64-QAM  | 2506.0          | -0.90           | 1 / 0          | 24.27                 | 23.37        | 0.217    | 33.01            | -9.64       |
|           | 256-QAM | 2506.0          | -0.90           | 1 / 0          | 22.54                 | 21.64        | 0.146    | 33.01            | -11.37      |

Table 7-17. Antenna 2b EIRP Data (LTE Band 41(PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 496 of 572                   |

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## NR Band n30

| Bandwidth | Mod.         | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | $\pi/2$ BPSK | 2307.5          | -1.30           | 1 / 12         | 24.10                 | <b>22.80</b> | 0.190    | 23.98            | -1.18       |
|           |              | 2310.0          | -1.30           | 1 / 12         | 24.17                 | 22.87        | 0.194    | 23.98            | -1.11       |
|           |              | 2312.5          | -1.30           | 1 / 12         | 24.11                 | 22.81        | 0.191    | 23.98            | -1.17       |
|           | QPSK         | 2307.5          | -1.30           | 1 / 12         | 24.20                 | 22.90        | 0.195    | 23.98            | -1.08       |
|           |              | 2310.0          | -1.30           | 1 / 12         | 24.20                 | <b>22.90</b> | 0.195    | 23.98            | -1.08       |
|           |              | 2312.5          | -1.30           | 1 / 12         | 24.18                 | 22.88        | 0.194    | 23.98            | -1.10       |
|           | 16-QAM       | 2312.5          | -1.30           | 1 / 1          | 23.12                 | 21.82        | 0.152    | 23.98            | -2.15       |
|           | 64-QAM       | 2310.0          | -1.30           | 1 / 23         | 21.75                 | 20.45        | 0.111    | 23.98            | -3.53       |
| 10 MHz    | 256-QAM      | 2310.0          | -1.30           | 1 / 12         | 19.60                 | 18.30        | 0.068    | 23.98            | -5.68       |
|           | $\pi/2$ BPSK | 2310.0          | -1.30           | 1 / 25         | 24.15                 | 22.85        | 0.193    | 23.98            | -1.13       |
|           | QPSK         | 2310.0          | -1.30           | 1 / 25         | 24.20                 | <b>22.90</b> | 0.195    | 23.98            | -1.08       |
|           | 16-QAM       | 2310.0          | -1.30           | 1 / 25         | 23.52                 | 22.22        | 0.167    | 23.98            | -1.76       |
|           | 64-QAM       | 2310.0          | -1.30           | 1 / 50         | 21.68                 | 20.38        | 0.109    | 23.98            | -3.60       |
|           | 256-QAM      | 2310.0          | -1.30           | 1 / 1          | 19.63                 | 18.33        | 0.068    | 23.98            | -5.65       |

Table 7-18. Antenna 2b EIRP Data (NR Band n30)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 497 of 572                   |

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## NR Band n7

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | π/2 BPSK | 2502.5          | -0.20           | 1 / 23         | 24.07                 | <b>23.87</b> | 0.244    | 33.01            | -9.14       |
|           |          | 2535.0          | -0.20           | 1 / 23         | 24.14                 | 23.94        | 0.248    | 33.01            | -9.07       |
|           |          | 2567.5          | -0.20           | 1 / 23         | 24.10                 | 23.90        | 0.245    | 33.01            | -9.11       |
|           | QPSK     | 2502.5          | -0.20           | 1 / 1          | 24.14                 | 23.94        | 0.247    | 33.01            | -9.08       |
|           |          | 2535.0          | -0.20           | 1 / 23         | 24.17                 | 23.97        | 0.250    | 33.01            | -9.04       |
|           |          | 2567.5          | -0.20           | 1 / 23         | 24.19                 | <b>23.99</b> | 0.251    | 33.01            | -9.02       |
|           | 16-QAM   | 2567.5          | -0.20           | 1 / 1          | 23.02                 | 22.82        | 0.191    | 33.01            | -10.19      |
|           | 64-QAM   | 2535.0          | -0.20           | 1 / 12         | 21.79                 | 21.59        | 0.144    | 33.01            | -11.42      |
| 10 MHz    | π/2 BPSK | 2502.5          | -0.20           | 1 / 50         | 23.99                 | 23.79        | 0.239    | 33.01            | -9.22       |
|           |          | 2535.0          | -0.20           | 1 / 50         | 24.13                 | 23.93        | 0.247    | 33.01            | -9.08       |
|           |          | 2565.0          | -0.20           | 1 / 50         | 24.08                 | 23.88        | 0.244    | 33.01            | -9.13       |
|           | QPSK     | 2505.0          | -0.20           | 1 / 1          | 24.11                 | 23.91        | 0.246    | 33.01            | -9.10       |
|           |          | 2535.0          | -0.20           | 1 / 50         | 24.20                 | <b>24.00</b> | 0.251    | 33.01            | -9.01       |
|           |          | 2565.0          | -0.20           | 1 / 50         | 24.09                 | 23.89        | 0.245    | 33.01            | -9.12       |
|           | 16-QAM   | 2565.0          | -0.20           | 1 / 50         | 23.36                 | 23.16        | 0.207    | 33.01            | -9.85       |
|           | 64-QAM   | 2565.0          | -0.20           | 1 / 1          | 21.80                 | 21.60        | 0.145    | 33.01            | -11.41      |
| 15 MHz    | π/2 BPSK | 2535.0          | -0.20           | 1 / 50         | 19.65                 | 19.45        | 0.088    | 33.01            | -13.56      |
|           |          | 2507.5          | -0.20           | 1 / 37         | 24.03                 | 23.83        | 0.241    | 33.01            | -9.18       |
|           |          | 2535.0          | -0.20           | 1 / 37         | 24.18                 | 23.98        | 0.250    | 33.01            | -9.03       |
|           | QPSK     | 2562.5          | -0.20           | 1 / 1          | 24.09                 | 23.89        | 0.245    | 33.01            | -9.12       |
|           |          | 2507.5          | -0.20           | 1 / 1          | 24.07                 | 23.87        | 0.244    | 33.01            | -9.14       |
|           |          | 2535.0          | -0.20           | 1 / 73         | 24.20                 | <b>24.00</b> | 0.251    | 33.01            | -9.01       |
|           | 16-QAM   | 2562.5          | -0.20           | 1 / 1          | 24.16                 | 23.96        | 0.249    | 33.01            | -9.05       |
|           | 64-QAM   | 2562.5          | -0.20           | 1 / 73         | 21.73                 | 21.53        | 0.142    | 33.01            | -11.48      |
| 20 MHz    | π/2 BPSK | 2562.5          | -0.20           | 1 / 1          | 19.54                 | 19.34        | 0.086    | 33.01            | -13.67      |
|           |          | 2510.0          | -0.20           | 1 / 98         | 23.99                 | 23.79        | 0.240    | 33.01            | -9.22       |
|           |          | 2535.0          | -0.20           | 1 / 98         | 24.16                 | 23.96        | 0.249    | 33.01            | -9.05       |
|           | QPSK     | 2560.0          | -0.20           | 1 / 98         | 24.11                 | 23.91        | 0.246    | 33.01            | -9.10       |
|           |          | 2510.0          | -0.20           | 1 / 98         | 24.06                 | 23.86        | 0.243    | 33.01            | -9.15       |
|           |          | 2535.0          | -0.20           | 1 / 98         | 24.19                 | <b>23.99</b> | 0.251    | 33.01            | -9.02       |
|           | 16-QAM   | 2560.0          | -0.20           | 1 / 1          | 24.13                 | 23.93        | 0.247    | 33.01            | -9.08       |
|           | 64-QAM   | 2560.0          | -0.20           | 1 / 1          | 23.23                 | 23.03        | 0.201    | 33.01            | -9.98       |
| 25 MHz    | π/2 BPSK | 2560.0          | -0.20           | 1 / 1          | 21.73                 | 21.53        | 0.142    | 33.01            | -11.48      |
|           |          | 2535.0          | -0.20           | 1 / 50         | 19.54                 | 19.34        | 0.086    | 33.01            | -13.67      |
|           |          | 2512.5          | -0.20           | 1 / 131        | 24.13                 | 23.93        | 0.247    | 33.01            | -9.08       |
|           | QPSK     | 2535.0          | -0.20           | 1 / 1          | 24.14                 | 23.94        | 0.248    | 33.01            | -9.07       |
|           |          | 2557.5          | -0.20           | 1 / 1          | 24.06                 | 23.86        | 0.243    | 33.01            | -9.15       |
|           |          | 2512.5          | -0.20           | 1 / 131        | 24.16                 | 23.96        | 0.249    | 33.01            | -9.05       |
|           | 16-QAM   | 2535.0          | -0.20           | 1 / 1          | 24.19                 | <b>23.99</b> | 0.251    | 33.01            | -9.02       |
|           | 64-QAM   | 2557.5          | -0.20           | 1 / 1          | 24.13                 | 23.93        | 0.247    | 33.01            | -9.08       |
| 30 MHz    | π/2 BPSK | 2535.0          | -0.20           | 1 / 66         | 23.42                 | 23.22        | 0.210    | 33.01            | -9.79       |
|           |          | 2535.0          | -0.20           | 1 / 1          | 21.83                 | 21.63        | 0.146    | 33.01            | -11.38      |
|           |          | 2512.5          | -0.20           | 1 / 1          | 19.73                 | 19.53        | 0.090    | 33.01            | -13.48      |
|           | QPSK     | 2515.0          | -0.20           | 1 / 158        | 24.13                 | 23.93        | 0.247    | 33.01            | -9.08       |
|           |          | 2535.0          | -0.20           | 1 / 80         | 24.12                 | 23.92        | 0.247    | 33.01            | -9.09       |
|           |          | 2555.0          | -0.20           | 1 / 1          | 24.16                 | 23.96        | 0.249    | 33.01            | -9.05       |
|           | 16-QAM   | 2515.0          | -0.20           | 1 / 1          | 24.12                 | 23.92        | 0.247    | 33.01            | -9.09       |
|           | 64-QAM   | 2535.0          | -0.20           | 1 / 80         | 24.14                 | 23.94        | 0.248    | 33.01            | -9.07       |
| 35 MHz    | π/2 BPSK | 2555.0          | -0.20           | 1 / 1          | 24.19                 | <b>23.99</b> | 0.251    | 33.01            | -9.02       |
|           |          | 2535.0          | -0.20           | 1 / 80         | 23.59                 | 23.39        | 0.219    | 33.01            | -9.62       |
|           |          | 2535.0          | -0.20           | 1 / 158        | 21.72                 | 21.52        | 0.142    | 33.01            | -11.49      |
|           | QPSK     | 2535.0          | -0.20           | 1 / 80         | 19.96                 | 19.76        | 0.095    | 33.01            | -13.25      |
|           |          | 2517.5          | -0.20           | 1 / 186        | 23.97                 | 23.77        | 0.238    | 33.01            | -9.24       |
|           |          | 2535.0          | -0.20           | 1 / 186        | 23.92                 | 23.72        | 0.235    | 33.01            | -9.29       |
|           | 16-QAM   | 2552.5          | -0.20           | 1 / 90         | 23.92                 | 23.72        | 0.236    | 33.01            | -9.29       |
|           | 64-QAM   | 2517.5          | -0.20           | 1 / 186        | 24.00                 | 23.80        | 0.240    | 33.01            | -9.21       |
| 40 MHz    | π/2 BPSK | 2535.0          | -0.20           | 1 / 186        | 24.06                 | <b>23.86</b> | 0.243    | 33.01            | -9.15       |
|           |          | 2552.5          | -0.20           | 1 / 186        | 23.99                 | 23.79        | 0.239    | 33.01            | -9.22       |
|           |          | 2535.0          | -0.20           | 1 / 90         | 23.12                 | 22.92        | 0.196    | 33.01            | -10.09      |
|           | QPSK     | 2552.5          | -0.20           | 1 / 186        | 21.55                 | 21.35        | 0.136    | 33.01            | -11.66      |
|           |          | 2517.5          | -0.20           | 1 / 90         | 19.49                 | 19.29        | 0.085    | 33.01            | -13.72      |
|           |          | 2535.0          | -0.20           | 1 / 214        | 24.19                 | 23.99        | 0.251    | 33.01            | -9.02       |
|           | 16-QAM   | 2520.0          | -0.20           | 1 / 1          | 24.11                 | 23.91        | 0.246    | 33.01            | -9.10       |
|           | 64-QAM   | 2550.0          | -0.20           | 1 / 1          | 24.20                 | <b>24.00</b> | 0.251    | 33.01            | -9.01       |

Table 7-19. Antenna 2b EIRP Data (NR Band n7)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 498 of 572                   |

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## NR Band n41(PC2)

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 2501.0          | -0.90           | 1 / 22         | 28.46                 | <b>27.56</b> | 0.570    | 33.01            | -5.45       |
|           |          | 2593.0          | -0.90           | 1 / 11         | 28.64                 | 27.74        | 0.594    | 33.01            | -5.27       |
|           |          | 2685.0          | -0.90           | 1 / 11         | 28.70                 | <b>27.80</b> | 0.603    | 33.01            | -5.21       |
|           | QPSK     | 2501.0          | -0.90           | 1 / 22         | 28.70                 | 27.80        | 0.603    | 33.01            | -5.21       |
|           |          | 2593.0          | -0.90           | 1 / 11         | 28.65                 | 27.75        | 0.595    | 33.01            | -5.26       |
|           |          | 2685.0          | -0.90           | 1 / 11         | 28.60                 | 27.70        | 0.589    | 33.01            | -5.31       |
|           | 16-QAM   | 2685.0          | -0.90           | 1 / 11         | 27.72                 | 26.82        | 0.480    | 33.01            | -6.19       |
|           | 64-QAM   | 2685.0          | -0.90           | 1 / 11         | 26.17                 | 25.27        | 0.335    | 33.01            | -7.74       |
|           | 256-QAM  | 2501.0          | -0.90           | 1 / 11         | 24.50                 | 23.60        | 0.229    | 33.01            | -9.41       |
|           | 256-QAM  | 2503.5          | -0.90           | 1 / 19         | 28.64                 | 27.74        | 0.595    | 33.01            | -5.27       |
| 15 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 19         | 28.61                 | 27.71        | 0.590    | 33.01            | -5.30       |
|           |          | 2682.5          | -0.90           | 1 / 19         | 28.66                 | 27.76        | 0.597    | 33.01            | -5.25       |
|           |          | 2503.5          | -0.90           | 1 / 36         | 28.31                 | 27.41        | 0.551    | 33.01            | -5.60       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 19         | 28.61                 | 27.71        | 0.590    | 33.01            | -5.30       |
|           |          | 2682.5          | -0.90           | 1 / 19         | 28.65                 | <b>27.75</b> | 0.596    | 33.01            | -5.26       |
|           |          | 2682.5          | -0.90           | 1 / 1          | 27.62                 | 26.72        | 0.470    | 33.01            | -6.29       |
|           | 16-QAM   | 2682.5          | -0.90           | 1 / 19         | 26.12                 | 25.22        | 0.332    | 33.01            | -7.79       |
|           | 64-QAM   | 2682.5          | -0.90           | 1 / 19         | 26.12                 | 25.22        | 0.332    | 33.01            | -7.79       |
|           | 256-QAM  | 2503.5          | -0.90           | 1 / 19         | 24.54                 | 23.64        | 0.231    | 33.01            | -9.37       |
|           | 256-QAM  | 2506.0          | -0.90           | 1 / 1          | 28.64                 | 27.74        | 0.594    | 33.01            | -5.27       |
| 20 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 25         | 28.64                 | 27.74        | 0.594    | 33.01            | -5.27       |
|           |          | 2680.0          | -0.90           | 1 / 25         | 28.70                 | <b>27.80</b> | 0.603    | 33.01            | -5.21       |
|           |          | 2506.0          | -0.90           | 1 / 25         | 28.61                 | 27.71        | 0.590    | 33.01            | -5.30       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 25         | 28.65                 | 27.75        | 0.595    | 33.01            | -5.26       |
|           |          | 2680.0          | -0.90           | 1 / 25         | 28.60                 | 27.70        | 0.589    | 33.01            | -5.31       |
|           |          | 2680.0          | -0.90           | 1 / 25         | 27.72                 | 26.82        | 0.480    | 33.01            | -6.19       |
|           | 16-QAM   | 2680.0          | -0.90           | 1 / 25         | 26.17                 | 25.27        | 0.335    | 33.01            | -7.74       |
|           | 64-QAM   | 2680.0          | -0.90           | 1 / 25         | 24.14                 | 23.24        | 0.211    | 33.01            | -9.77       |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 25         | 24.14                 | 23.24        | 0.211    | 33.01            | -9.77       |
|           | 256-QAM  | 2511.0          | -0.90           | 1 / 39         | 28.24                 | 27.34        | 0.542    | 33.01            | -5.67       |
| 30 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 39         | 28.61                 | 27.71        | 0.590    | 33.01            | -5.30       |
|           |          | 2675.0          | -0.90           | 1 / 39         | 28.66                 | 27.76        | 0.597    | 33.01            | -5.25       |
|           |          | 2511.0          | -0.90           | 1 / 1          | 28.70                 | 27.80        | 0.603    | 33.01            | -5.21       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 39         | 28.61                 | 27.71        | 0.590    | 33.01            | -5.30       |
|           |          | 2675.0          | -0.90           | 1 / 39         | 28.65                 | <b>27.75</b> | 0.596    | 33.01            | -5.26       |
|           |          | 2675.0          | -0.90           | 1 / 39         | 27.61                 | 26.71        | 0.469    | 33.01            | -6.30       |
|           | 16-QAM   | 2675.0          | -0.90           | 1 / 39         | 26.12                 | 25.22        | 0.332    | 33.01            | -7.79       |
|           | 64-QAM   | 2675.0          | -0.90           | 1 / 39         | 26.12                 | 25.22        | 0.332    | 33.01            | -7.79       |
|           | 256-QAM  | 2511.0          | -0.90           | 1 / 39         | 24.14                 | 23.24        | 0.211    | 33.01            | -9.77       |
|           | 256-QAM  | 2516.0          | -0.90           | 1 / 53         | 28.63                 | 27.73        | 0.593    | 33.01            | -5.28       |
| 40 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 53         | 28.60                 | 27.70        | 0.588    | 33.01            | -5.31       |
|           |          | 2670.0          | -0.90           | 1 / 53         | 28.57                 | 27.67        | 0.585    | 33.01            | -5.34       |
|           |          | 2516.0          | -0.90           | 1 / 1          | 28.67                 | 27.77        | 0.598    | 33.01            | -5.24       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 53         | 28.62                 | 27.72        | 0.591    | 33.01            | -5.29       |
|           |          | 2670.0          | -0.90           | 1 / 53         | 28.57                 | 27.67        | 0.585    | 33.01            | -5.34       |
|           |          | 2670.0          | -0.90           | 1 / 53         | 27.66                 | 26.76        | 0.474    | 33.01            | -6.26       |
|           | 16-QAM   | 2670.0          | -0.90           | 1 / 53         | 26.13                 | 25.23        | 0.333    | 33.01            | -7.78       |
|           | 64-QAM   | 2670.0          | -0.90           | 1 / 53         | 24.22                 | 23.32        | 0.215    | 33.01            | -9.69       |
|           | 256-QAM  | 2516.0          | -0.90           | 1 / 53         | 24.22                 | 23.32        | 0.215    | 33.01            | -9.69       |
|           | 256-QAM  | 2521.0          | -0.90           | 1 / 1          | 28.70                 | 27.80        | 0.603    | 33.01            | -5.21       |
| 50 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 66         | 28.68                 | 27.78        | 0.600    | 33.01            | -5.29       |
|           |          | 2665.0          | -0.90           | 1 / 66         | 28.64                 | 27.74        | 0.594    | 33.01            | -5.27       |
|           |          | 2521.0          | -0.90           | 1 / 66         | 28.49                 | 27.59        | 0.574    | 33.01            | -5.42       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 66         | 28.59                 | 27.69        | 0.588    | 33.01            | -5.32       |
|           |          | 2665.0          | -0.90           | 1 / 66         | 28.63                 | 27.73        | 0.593    | 33.01            | -5.28       |
|           |          | 2665.0          | -0.90           | 1 / 131        | 27.52                 | 26.62        | 0.459    | 33.01            | -6.39       |
|           | 16-QAM   | 2665.0          | -0.90           | 1 / 66         | 26.35                 | 25.45        | 0.351    | 33.01            | -7.56       |
|           | 64-QAM   | 2665.0          | -0.90           | 1 / 66         | 26.35                 | 25.45        | 0.351    | 33.01            | -7.56       |
|           | 256-QAM  | 2665.0          | -0.90           | 1 / 66         | 24.17                 | 23.27        | 0.212    | 33.01            | -9.74       |
|           | 256-QAM  | 2526.0          | -0.90           | 1 / 81         | 28.62                 | 27.72        | 0.592    | 33.01            | -5.29       |
| 60 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 81         | 28.68                 | 27.78        | 0.600    | 33.01            | -5.23       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 28.68                 | 27.78        | 0.600    | 33.01            | -5.23       |
|           |          | 2526.0          | -0.90           | 1 / 1          | 28.55                 | 27.65        | 0.582    | 33.01            | -5.36       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 81         | 28.61                 | 27.71        | 0.590    | 33.01            | -5.30       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 28.70                 | <b>27.80</b> | 0.603    | 33.01            | -5.21       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 27.91                 | 27.01        | 0.502    | 33.01            | -6.01       |
|           | 16-QAM   | 2660.0          | -0.90           | 1 / 1          | 26.14                 | 25.24        | 0.334    | 33.01            | -7.77       |
|           | 64-QAM   | 2660.0          | -0.90           | 1 / 81         | 24.15                 | 23.25        | 0.211    | 33.01            | -9.76       |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 81         | 24.15                 | 23.25        | 0.211    | 33.01            | -9.76       |
|           | 256-QAM  | 2531.0          | -0.90           | 1 / 160        | 28.67                 | 27.77        | 0.598    | 33.01            | -5.24       |
| 70 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 1          | 28.61                 | 27.71        | 0.591    | 33.01            | -5.30       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 28.69                 | <b>27.79</b> | 0.601    | 33.01            | -5.22       |
|           |          | 2531.0          | -0.90           | 1 / 1          | 28.46                 | 27.56        | 0.570    | 33.01            | -5.45       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 1          | 28.69                 | 27.79        | 0.601    | 33.01            | -5.22       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 28.70                 | <b>27.80</b> | 0.602    | 33.01            | -5.21       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 27.88                 | 26.98        | 0.498    | 33.01            | -6.04       |
|           | 16-QAM   | 2660.0          | -0.90           | 1 / 81         | 26.18                 | 25.28        | 0.337    | 33.01            | -7.73       |
|           | 64-QAM   | 2660.0          | -0.90           | 1 / 81         | 24.18                 | 23.28        | 0.213    | 33.01            | -9.73       |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 81         | 24.18                 | 23.28        | 0.213    | 33.01            | -9.73       |
|           | 256-QAM  | 2536.0          | -0.90           | 1 / 108        | 28.70                 | 27.80        | 0.603    | 33.01            | -5.21       |
| 80 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 108        | 28.68                 | 27.78        | 0.600    | 33.01            | -5.23       |
|           |          | 2650.0          | -0.90           | 1 / 1          | 28.64                 | 27.74        | 0.594    | 33.01            | -5.27       |
|           |          | 2536.0          | -0.90           | 1 / 215        | 28.70                 | 27.80        | 0.603    | 33.01            | -5.21       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 1          | 28.69                 | 27.79        | 0.601    | 33.01            | -5.22       |
|           |          | 2650.0          | -0.90           | 1 / 1          | 28.64                 | 27.74        | 0.594    | 33.01            | -5.27       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 27.90                 | 27.00        | 0.501    | 33.01            | -6.01       |
|           | 16-QAM   | 2650.0          | -0.90           | 1 / 1          | 26.24                 | 25.34        | 0.342    | 33.01            | -7.68       |
|           | 64-QAM   | 2650.0          | -0.90           | 1 / 1          | 24.07                 | 23.17        | 0.208    | 33.01            | -9.84       |
|           | 256-QAM  | 2536.0          | -0.90           | 1 / 1          | 28.42                 | 27.52        | 0.565    | 33.01            | -5.49       |
|           | 256-QAM  | 2541.0          | -0.90           | 1 / 1          | 28.63                 | 27.73        | 0.593    | 33.01            | -5.28       |
| 90 MHz    | π/2 BPSK | 2593.0          | -0.90           | 1 / 1          | 28.63                 | 27.73        | 0.593    | 33.01            | -5.28       |
|           |          | 2645.0          | -0.90           | 1 / 1          | 28.66                 | 27.76        | 0.597    | 33.01            | -5.25       |
|           |          | 2541.0          | -0.90           | 1 / 243        | 28.70                 | 27.80        | 0.603    | 33.01            | -5.21       |
|           | QPSK     | 2593.0          | -0.90           | 1 / 122        | 28.68                 | <b>27.78</b> | 0.600    | 33.01            | -5.23       |
|           |          | 2645.0          | -0.90           | 1 / 1          | 28.61                 | 27.71        | 0.590    | 33.01            | -5.30       |
|           |          | 2645.0          | -0.90           | 1 / 1          | 27.78                 | 26.88        | 0.487    | 33.01            | -6.13       |
|           | 16-QAM   | 2645.0          | -0.90           | 1 / 1          | 26.41                 | 25.51        | 0.355    | 33.01            | -7.50       |
|           | 64-QAM   | 2645.0          | -0.90           | 1 / 1          | 24.11                 | 23.21        | 0.210    | 33.01            | -9.80       |
|           | 256-QAM  | 2541.0          | -0.90           | 1 / 1          | 24.11                 | 23.21        | 0.210    | 33.01            | -9.80       |
|           | 256-QAM  | 2546.0          | -0.90           | 1 / 136        | 28.53                 | 27.63        | 0.579    | 33.01            | -5.38       |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 1          | 28.54                 | 27.64        | 0.580    | 33.01            | -5.37       |
| 100 MHz   | π/2 BPSK | 2640.0          | -0.90           | 1 / 1          | 28.57                 | 27.67        | 0.584    | 33.01            | -5.34       |
|           |          | 2546.0          | -0.90           | 1 / 136        | 28.63                 | 27.73        | 0.593    | 33.01            | -5.28       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 28.60                 | 27.70        | 0.589    | 33.01            | -5.31       |
|           | QPSK     | 2640.0          | -0.90           | 1 / 136        | 28.67                 | <b>27.77</b> | 0.599    | 33.01            | -5.24       |
|           |          | 2640.0          | -0.90           | 1 / 136        | 27.87                 | 26.97        | 0.498    | 33.01            | -6.04       |
|           |          | 2640.0          | -0.90           | 1 / 1          | 26.24                 | 25.34        | 0.342    | 33.01            | -7.67       |
|           | 16-QAM   | 2640.0          | -0.90           | 1 / 1          | 24.11                 | 23.21        | 0.209    | 33.01            | -9.80       |
|           | 64-QAM   | 2640.0          | -0.90           | 1 / 1          | 24.11                 | 23.21        | 0.209    | 33.01            | -9.80       |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 136        | 24.11                 | 23.21        | 0.209    | 33.01            | -9.80       |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 136        | 24.11                 | 23.21        | 0.209    | 33.01            | -9.80       |

Table 7-20. Antenna 2b EIRP Data (NR Band n41(PC2))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 499 of 572                   |

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## NR Band n41(PC3)

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 2501.0          | -0.90           | 1 / 11         | 25.53                 | <b>24.63</b> | 0.290    | 33.01            | -8.38       |
|           |          | 2593.0          | -0.90           | 1 / 11         | 25.45                 | 24.55        | 0.285    | 33.01            | -8.46       |
|           |          | 2685.0          | -0.90           | 1 / 22         | 25.57                 | 24.67        | 0.293    | 33.01            | -8.34       |
|           | QPSK     | 2501.0          | -0.90           | 1 / 22         | 25.59                 | 24.69        | 0.294    | 33.01            | -8.32       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 25.46                 | <b>24.56</b> | 0.286    | 33.01            | -8.45       |
|           |          | 2685.0          | -0.90           | 1 / 11         | 25.22                 | 24.32        | 0.270    | 33.01            | -8.69       |
|           | 16-QAM   | 2501.0          | -0.90           | 1 / 11         | 24.52                 | 23.62        | 0.230    | 33.01            | -9.39       |
|           | 64-QAM   | 2593.0          | -0.90           | 1 / 1          | 23.29                 | 22.39        | 0.174    | 33.01            | -10.62      |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 1          | 21.13                 | 20.23        | 0.106    | 33.01            | -12.78      |
| 15 MHz    | π/2 BPSK | 2503.5          | -0.90           | 1 / 36         | 25.55                 | 24.65        | 0.292    | 33.01            | -8.36       |
|           |          | 2593.0          | -0.90           | 1 / 19         | 25.64                 | <b>24.74</b> | 0.298    | 33.01            | -8.27       |
|           |          | 2682.5          | -0.90           | 1 / 36         | 25.17                 | 24.27        | 0.268    | 33.01            | -8.74       |
|           | QPSK     | 2503.5          | -0.90           | 1 / 36         | 25.58                 | 24.68        | 0.294    | 33.01            | -8.33       |
|           |          | 2593.0          | -0.90           | 1 / 36         | 25.62                 | <b>24.72</b> | 0.297    | 33.01            | -8.29       |
|           |          | 2682.5          | -0.90           | 1 / 36         | 25.28                 | 24.38        | 0.274    | 33.01            | -8.63       |
|           | 16-QAM   | 2593.0          | -0.90           | 1 / 1          | 24.84                 | 23.94        | 0.248    | 33.01            | -9.07       |
|           | 64-QAM   | 2503.5          | -0.90           | 1 / 36         | 23.40                 | 22.50        | 0.178    | 33.01            | -10.52      |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 1          | 21.33                 | 20.43        | 0.110    | 33.01            | -12.58      |
| 20 MHz    | π/2 BPSK | 2506.0          | -0.90           | 1 / 25         | 25.27                 | 24.37        | 0.274    | 33.01            | -8.64       |
|           |          | 2593.0          | -0.90           | 1 / 25         | 25.69                 | 24.79        | 0.301    | 33.01            | -8.22       |
|           |          | 2680.0          | -0.90           | 1 / 25         | 25.67                 | 24.77        | 0.300    | 33.01            | -8.24       |
|           | QPSK     | 2506.0          | -0.90           | 1 / 25         | 25.67                 | 24.77        | 0.300    | 33.01            | -8.24       |
|           |          | 2593.0          | -0.90           | 1 / 25         | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           |          | 2680.0          | -0.90           | 1 / 25         | 25.70                 | 24.80        | 0.302    | 33.01            | -8.21       |
|           | 16-QAM   | 2680.0          | -0.90           | 1 / 1          | 24.80                 | 23.90        | 0.245    | 33.01            | -9.11       |
|           | 64-QAM   | 2680.0          | -0.90           | 1 / 1          | 23.44                 | 22.54        | 0.179    | 33.01            | -10.47      |
|           | 256-QAM  | 2680.0          | -0.90           | 1 / 25         | 21.18                 | 20.28        | 0.107    | 33.01            | -12.74      |
| 30 MHz    | π/2 BPSK | 2511.0          | -0.90           | 1 / 1          | 25.26                 | 24.36        | 0.273    | 33.01            | -8.65       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 25.63                 | 24.73        | 0.297    | 33.01            | -8.28       |
|           |          | 2675.0          | -0.90           | 1 / 1          | 25.66                 | <b>24.76</b> | 0.300    | 33.01            | -8.25       |
|           | QPSK     | 2511.0          | -0.90           | 1 / 76         | 25.70                 | 24.80        | 0.302    | 33.01            | -8.21       |
|           |          | 2593.0          | -0.90           | 1 / 39         | 25.65                 | 24.75        | 0.299    | 33.01            | -8.26       |
|           |          | 2675.0          | -0.90           | 1 / 1          | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           | 16-QAM   | 2675.0          | -0.90           | 1 / 1          | 24.81                 | 23.91        | 0.246    | 33.01            | -9.10       |
|           | 64-QAM   | 2675.0          | -0.90           | 1 / 1          | 23.28                 | 22.38        | 0.173    | 33.01            | -10.63      |
|           | 256-QAM  | 2511.0          | -0.90           | 1 / 1          | 21.19                 | 20.29        | 0.107    | 33.01            | -12.72      |
| 40 MHz    | π/2 BPSK | 2516.0          | -0.90           | 1 / 1          | 25.22                 | 24.32        | 0.270    | 33.01            | -8.69       |
|           |          | 2593.0          | -0.90           | 1 / 63         | 25.49                 | 24.59        | 0.288    | 33.01            | -8.42       |
|           |          | 2670.0          | -0.90           | 1 / 1          | 25.63                 | <b>24.73</b> | 0.297    | 33.01            | -8.28       |
|           | QPSK     | 2516.0          | -0.90           | 1 / 104        | 25.59                 | 24.69        | 0.294    | 33.01            | -8.32       |
|           |          | 2593.0          | -0.90           | 1 / 53         | 25.50                 | 24.60        | 0.288    | 33.01            | -8.41       |
|           |          | 2670.0          | -0.90           | 1 / 104        | 25.59                 | 24.69        | 0.295    | 33.01            | -8.32       |
|           | 16-QAM   | 2670.0          | -0.90           | 1 / 1          | 24.77                 | 23.87        | 0.244    | 33.01            | -9.14       |
|           | 64-QAM   | 2670.0          | -0.90           | 1 / 53         | 23.06                 | 22.16        | 0.164    | 33.01            | -10.85      |
|           | 256-QAM  | 2516.0          | -0.90           | 1 / 1          | 21.31                 | 20.41        | 0.110    | 33.01            | -12.60      |
| 50 MHz    | π/2 BPSK | 2521.0          | -0.90           | 1 / 66         | 25.38                 | 24.48        | 0.281    | 33.01            | -8.53       |
|           |          | 2593.0          | -0.90           | 1 / 66         | 25.68                 | <b>24.78</b> | 0.301    | 33.01            | -8.23       |
|           |          | 2665.0          | -0.90           | 1 / 1          | 25.65                 | 24.75        | 0.299    | 33.01            | -8.26       |
|           | QPSK     | 2521.0          | -0.90           | 1 / 131        | 25.70                 | 24.80        | 0.302    | 33.01            | -8.21       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 25.68                 | 24.78        | 0.301    | 33.01            | -8.23       |
|           |          | 2665.0          | -0.90           | 1 / 1          | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           | 16-QAM   | 2665.0          | -0.90           | 1 / 1          | 24.93                 | 24.03        | 0.253    | 33.01            | -8.98       |
|           | 64-QAM   | 2665.0          | -0.90           | 1 / 66         | 23.33                 | 22.43        | 0.175    | 33.01            | -10.58      |
|           | 256-QAM  | 2665.0          | -0.90           | 1 / 1          | 21.29                 | 20.39        | 0.109    | 33.01            | -12.62      |
| 60 MHz    | π/2 BPSK | 2526.0          | -0.90           | 1 / 81         | 25.28                 | 24.38        | 0.274    | 33.01            | -8.63       |
|           |          | 2593.0          | -0.90           | 1 / 81         | 25.64                 | 24.74        | 0.298    | 33.01            | -8.27       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 25.69                 | <b>24.79</b> | 0.301    | 33.01            | -8.22       |
|           | QPSK     | 2526.0          | -0.90           | 1 / 81         | 25.58                 | 24.68        | 0.294    | 33.01            | -8.33       |
|           |          | 2593.0          | -0.90           | 1 / 81         | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 25.68                 | 24.78        | 0.301    | 33.01            | -8.23       |
|           | 16-QAM   | 2593.0          | -0.90           | 1 / 81         | 24.81                 | 23.91        | 0.246    | 33.01            | -9.10       |
|           | 64-QAM   | 2593.0          | -0.90           | 1 / 81         | 23.24                 | 22.34        | 0.171    | 33.01            | -10.67      |
|           | 256-QAM  | 2593.0          | -0.90           | 1 / 81         | 21.18                 | 20.28        | 0.107    | 33.01            | -12.73      |
| 70 MHz    | π/2 BPSK | 2531.0          | -0.90           | 1 / 1          | 25.58                 | 24.68        | 0.294    | 33.01            | -8.33       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 25.59                 | 24.69        | 0.295    | 33.01            | -8.32       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 25.63                 | 24.73        | 0.297    | 33.01            | -8.28       |
|           | QPSK     | 2531.0          | -0.90           | 1 / 160        | 25.54                 | 24.64        | 0.291    | 33.01            | -8.37       |
|           |          | 2593.0          | -0.90           | 1 / 81         | 25.68                 | <b>24.78</b> | 0.301    | 33.01            | -8.23       |
|           |          | 2660.0          | -0.90           | 1 / 1          | 25.65                 | 24.75        | 0.299    | 33.01            | -8.26       |
|           | 16-QAM   | 2660.0          | -0.90           | 1 / 1          | 24.80                 | 23.90        | 0.245    | 33.01            | -9.11       |
|           | 64-QAM   | 2660.0          | -0.90           | 1 / 1          | 23.27                 | 22.37        | 0.172    | 33.01            | -10.64      |
|           | 256-QAM  | 2660.0          | -0.90           | 1 / 1          | 21.10                 | 20.20        | 0.105    | 33.01            | -12.81      |
| 80 MHz    | π/2 BPSK | 2536.0          | -0.90           | 1 / 108        | 25.69                 | 24.79        | 0.301    | 33.01            | -8.22       |
|           |          | 2593.0          | -0.90           | 1 / 108        | 25.65                 | 24.75        | 0.298    | 33.01            | -8.26       |
|           |          | 2650.0          | -0.90           | 1 / 1          | 25.68                 | <b>24.78</b> | 0.301    | 33.01            | -8.23       |
|           | QPSK     | 2536.0          | -0.90           | 1 / 1          | 25.45                 | 24.55        | 0.285    | 33.01            | -8.46       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 25.61                 | 24.71        | 0.296    | 33.01            | -8.30       |
|           |          | 2650.0          | -0.90           | 1 / 1          | 25.68                 | <b>24.78</b> | 0.301    | 33.01            | -8.23       |
|           | 16-QAM   | 2650.0          | -0.90           | 1 / 1          | 24.88                 | 23.98        | 0.250    | 33.01            | -9.03       |
|           | 64-QAM   | 2650.0          | -0.90           | 1 / 1          | 23.22                 | 22.32        | 0.171    | 33.01            | -10.69      |
|           | 256-QAM  | 2650.0          | -0.90           | 1 / 1          | 21.15                 | 20.25        | 0.106    | 33.01            | -12.76      |
| 90 MHz    | π/2 BPSK | 2541.0          | -0.90           | 1 / 1          | 25.37                 | 24.47        | 0.280    | 33.01            | -8.54       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 25.70                 | <b>24.80</b> | 0.302    | 33.01            | -8.21       |
|           |          | 2645.0          | -0.90           | 1 / 1          | 25.67                 | 24.77        | 0.300    | 33.01            | -8.24       |
|           | QPSK     | 2541.0          | -0.90           | 1 / 243        | 25.56                 | 24.66        | 0.292    | 33.01            | -8.35       |
|           |          | 2593.0          | -0.90           | 1 / 122        | 25.55                 | 24.65        | 0.292    | 33.01            | -8.36       |
|           |          | 2645.0          | -0.90           | 1 / 1          | 25.64                 | 24.74        | 0.298    | 33.01            | -8.27       |
|           | 16-QAM   | 2593.0          | -0.90           | 1 / 1          | 24.79                 | 23.89        | 0.245    | 33.01            | -9.12       |
|           | 64-QAM   | 2645.0          | -0.90           | 1 / 1          | 23.18                 | 22.28        | 0.169    | 33.01            | -10.73      |
|           | 256-QAM  | 2645.0          | -0.90           | 1 / 122        | 21.33                 | 20.43        | 0.110    | 33.01            | -12.58      |
| 100 MHz   | π/2 BPSK | 2546.0          | -0.90           | 1 / 136        | 25.68                 | 24.78        | 0.301    | 33.01            | -8.23       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 25.68                 | <b>24.78</b> | 0.301    | 33.01            | -8.23       |
|           |          | 2640.0          | -0.90           | 1 / 1          | 25.64                 | 24.74        | 0.298    | 33.01            | -8.27       |
|           | QPSK     | 2546.0          | -0.90           | 1 / 136        | 25.37                 | 24.47        | 0.280    | 33.01            | -8.54       |
|           |          | 2593.0          | -0.90           | 1 / 1          | 25.62                 | 24.72        | 0.296    | 33.01            | -8.29       |
|           |          | 2640.0          | -0.90           | 1 / 1          | 25.61                 | 24.71        | 0.296    | 33.01            | -8.30       |
|           | 16-QAM   | 2640.0          | -0.90           | 1 / 1          | 24.59                 | 23.69        | 0.234    | 33.01            | -9.32       |
|           | 64-QAM   | 2640.0          | -0.90           | 1 / 1          | 23.33                 | 22.43        | 0.175    | 33.01            | -10.58      |
|           | 256-QAM  | 2546.0          | -0.90           | 1 / 1          | 21.07                 | 20.17        | 0.104    | 33.01            | -12.84      |

Table 7-21. Antenna 2b EIRP Data (NR Band n41(PC3))

|                                            |                                                                                     |                            |  |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2903                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                               | EUT Type:<br>Tablet Device |  | Page 500 of 572                   |

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## ULCA LTE Band 7

| Power State | Band   | Bandwidth (PCC + SCC) | PCC        |            |              |         | SCC          |            |            |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |         |              |
|-------------|--------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|---------|--------------|
|             |        |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency |                      |                 |            |          |                  |             | UL # RB | UL RB Offset |
| Max         | LTE B7 | 20MHz + 20MHz         | QPSK       | 20850      | 2510.0       | 1       | 99           | QPSK       | 21048      | 2529.8       | 1                    | 0               | 24.02      | -0.20    | 23.82            | 0.241       | 33.01   | -9.19        |
|             |        |                       |            | 21100      | 2535.0       | 1       | 99           |            | 21298      | 2554.8       | 1                    | 0               | 24.19      | -0.20    | 23.99            | 0.251       | 33.01   | -9.02        |
|             |        |                       |            | 21350      | 2560.0       | 1       | 0            |            | 21152      | 2540.2       | 1                    | 99              | 24.15      | -0.20    | 23.95            | 0.248       | 33.01   | -9.06        |
|             |        |                       | QPSK       | 21100      | 2535         | 100     | 0            | QPSK       | 21298      | 2554.8       | 100                  | 0               | 23.30      | -0.20    | 23.10            | 0.204       | 33.01   | -9.91        |
|             |        |                       |            | 16-QAM     | 21100        | 2535    | 100          | 0          | 16-QAM     | 21298        | 2554.8               | 100             | 0          | 22.19    | -0.20            | 21.99       | 0.158   | 33.01        |
|             |        |                       | 64-QAM     | 21100      | 2535         | 100     | 0            | 64-QAM     | 21298      | 2554.8       | 100                  | 0               | 21.54      | -0.20    | 21.34            | 0.136       | 33.01   | -11.67       |
|             |        |                       |            | 256-QAM    | 21100        | 2535    | 100          | 0          | 256-QAM    | 21298        | 2554.8               | 100             | 0          | 20.38    | -0.20            | 20.18       | 0.104   | 33.01        |

Table 7-22. Antenna 2b EIRP Data (ULCA LTE Band 7)

## ULCA LTE Band 41(PC2)

| Power State | Band          | Bandwidth (PCC + SCC) | PCC        |            |              |         |              | SCC        |            |              |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|
|             |               |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |
| Max         | LTE B41 (PC2) | 20MHz + 20MHz         | QPSK       | 39750      | 2506.0       | 1       | 99           | QPSK       | 39948      | 2525.8       | 1       | 0            | 28.51                | -0.90           | 27.61      | 0.577    | 33.01            | -5.40       |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1       | 0            | 28.25                | -0.90           | 27.35      | 0.543    | 33.01            | -5.66       |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1       | 99           | 28.39                | -0.90           | 27.49      | 0.561    | 33.01            | -5.52       |
|             |               |                       | QPSK       | 39750      | 2506         | 100     | 0            | QPSK       | 39948      | 2525.8       | 100     | 0            | 27.77                | -0.90           | 26.87      | 0.486    | 33.01            | -6.14       |
|             |               |                       |            | 16-QAM     | 39750        | 2506    | 100          |            | 0          | 16-QAM       | 39948   | 2525.8       | 100                  | 0               | 26.71      | -0.90    | 25.81            | 0.381       |
|             |               |                       | 64-QAM     | 39750      | 2506         | 100     | 0            | 64-QAM     | 39948      | 2525.8       | 100     | 0            | 25.73                | -0.90           | 24.83      | 0.304    | 33.01            | -8.18       |
|             |               |                       |            | 256-QAM    | 39750        | 2506    | 100          |            | 0          | 256-QAM      | 39948   | 2525.8       | 100                  | 0               | 23.64      | -0.90    | 22.74            | 0.188       |

Table 7-23. Antenna 2b EIRP Data (ULCA LTE Band 41 (PC2))

## ULCA LTE Band 41(PC3)

| Power State | Band          | Bandwidth (PCC + SCC) | PCC        |            |              |         |              | SCC        |            |              |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|
|             |               |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |
| Max         | LTE B41 (PC3) | 20MHz + 20MHz         | QPSK       | 39750      | 2506.0       | 1       | 99           | QPSK       | 39948      | 2525.8       | 1       | 0            | 25.33                | -0.90           | 24.43      | 0.277    | 33.01            | -8.58       |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1       | 0            | 25.22                | -0.90           | 24.32      | 0.270    | 33.01            | -8.69       |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1       | 99           | 25.27                | -0.90           | 24.37      | 0.274    | 33.01            | -8.64       |
|             |               |                       | QPSK       | 39750      | 2506         | 100     | 0            | QPSK       | 39948      | 2525.8       | 100     | 0            | 23.15                | -0.90           | 22.25      | 0.168    | 33.01            | -10.76      |
|             |               |                       |            | 16-QAM     | 39750        | 2506    | 100          |            | 0          | 16-QAM       | 39948   | 2525.8       | 100                  | 0               | 22.19      | -0.90    | 21.29            | 0.135       |
|             |               |                       | 64-QAM     | 39750      | 2506         | 100     | 0            | 64-QAM     | 39948      | 2525.8       | 100     | 0            | 21.13                | -0.90           | 20.23      | 0.105    | 33.01            | -12.78      |
|             |               |                       |            | 256-QAM    | 39750        | 2506    | 100          |            | 0          | 256-QAM      | 39948   | 2525.8       | 100                  | 0               | 20.30      | -0.90    | 19.40            | 0.087       |

Table 7-24. Antenna 2b EIRP Data (ULCA LTE Band 41 (PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 501 of 572                   |

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### 7.6.3 Antenna 3a - EIRP

#### LTE-Band 30

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2307.5          | 1.60            | 1 / 12         | 21.70                 | 23.30        | 0.214    | 23.98            | -0.68       |
|           |         | 2310.0          | 1.60            | 1 / 12         | 21.78                 | 23.38        | 0.218    | 23.98            | -0.60       |
|           |         | 2312.5          | 1.60            | 1 / 24         | 21.82                 | <b>23.42</b> | 0.220    | 23.98            | -0.56       |
|           | 16-QAM  | 2310.0          | 1.60            | 1 / 24         | 20.89                 | 22.49        | 0.177    | 23.98            | -1.49       |
|           | 64-QAM  | 2310.0          | 1.60            | 1 / 12         | 19.91                 | 21.51        | 0.142    | 23.98            | -2.47       |
|           | 256-QAM | 2312.5          | 1.60            | 1 / 24         | 17.02                 | 18.62        | 0.073    | 23.98            | -5.36       |
| 10 MHz    | QPSK    | 2310.0          | 1.60            | 1 / 0          | 21.75                 | <b>23.35</b> | 0.216    | 23.98            | -0.63       |
|           | 16-QAM  | 2310.0          | 1.60            | 1 / 0          | 20.82                 | 22.42        | 0.175    | 23.98            | -1.56       |
|           | 64-QAM  | 2310.0          | 1.60            | 1 / 25         | 19.84                 | 21.44        | 0.139    | 23.98            | -2.54       |
|           | 256-QAM | 2310.0          | 1.60            | 1 / 25         | 16.92                 | 18.52        | 0.071    | 23.98            | -5.46       |

Table 7-25. Antenna 3a EIRP Data (LTE Band 30)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 502 of 572                   |

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## LTE-Band 7

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2502.5          | 2.60            | 1 / 24         | 24.70                 | <b>27.30</b> | 0.537    | 33.01            | -5.71       |
|           |         | 2535.0          | 2.60            | 1 / 0          | 24.69                 | 27.29        | 0.536    | 33.01            | -5.72       |
|           |         | 2567.5          | 2.60            | 1 / 0          | 24.50                 | 27.10        | 0.513    | 33.01            | -5.91       |
|           | 16-QAM  | 2502.5          | 2.60            | 1 / 12         | 23.69                 | 26.29        | 0.426    | 33.01            | -6.72       |
|           | 64-QAM  | 2502.5          | 2.60            | 1 / 12         | 22.66                 | 25.26        | 0.336    | 33.01            | -7.75       |
|           | 256-QAM | 2535.0          | 2.60            | 1 / 12         | 19.79                 | 22.39        | 0.173    | 33.01            | -10.62      |
| 10 MHz    | QPSK    | 2505.0          | 2.60            | 1 / 0          | 24.70                 | <b>27.30</b> | 0.537    | 33.01            | -5.71       |
|           |         | 2535.0          | 2.60            | 1 / 25         | 24.69                 | 27.29        | 0.536    | 33.01            | -5.72       |
|           |         | 2565.0          | 2.60            | 1 / 0          | 24.52                 | 27.12        | 0.515    | 33.01            | -5.89       |
|           | 16-QAM  | 2505.0          | 2.60            | 1 / 25         | 23.66                 | 26.26        | 0.423    | 33.01            | -6.75       |
|           | 64-QAM  | 2565.0          | 2.60            | 1 / 0          | 22.68                 | 25.28        | 0.337    | 33.01            | -7.73       |
|           | 256-QAM | 2565.0          | 2.60            | 1 / 25         | 19.71                 | 22.31        | 0.170    | 33.01            | -10.70      |
| 15 MHz    | QPSK    | 2507.5          | 2.60            | 1 / 0          | 24.67                 | <b>27.27</b> | 0.533    | 33.01            | -5.74       |
|           |         | 2535.0          | 2.60            | 1 / 0          | 24.50                 | 27.10        | 0.513    | 33.01            | -5.91       |
|           |         | 2562.5          | 2.60            | 1 / 0          | 24.45                 | 27.05        | 0.507    | 33.01            | -5.96       |
|           | 16-QAM  | 2535.0          | 2.60            | 1 / 37         | 23.59                 | 26.19        | 0.416    | 33.01            | -6.82       |
|           | 64-QAM  | 2507.5          | 2.60            | 1 / 74         | 22.67                 | 25.27        | 0.337    | 33.01            | -7.74       |
|           | 256-QAM | 2562.5          | 2.60            | 1 / 0          | 19.77                 | 22.37        | 0.173    | 33.01            | -10.64      |
| 20 MHz    | QPSK    | 2510.0          | 2.60            | 1 / 0          | 24.64                 | 27.24        | 0.530    | 33.01            | -5.77       |
|           |         | 2535.0          | 2.60            | 1 / 0          | 24.70                 | <b>27.30</b> | 0.537    | 33.01            | -5.71       |
|           |         | 2560.0          | 2.60            | 1 / 50         | 24.60                 | 27.20        | 0.525    | 33.01            | -5.81       |
|           | 16-QAM  | 2510.0          | 2.60            | 1 / 0          | 23.72                 | 26.32        | 0.429    | 33.01            | -6.69       |
|           | 64-QAM  | 2535.0          | 2.60            | 1 / 0          | 22.70                 | 25.30        | 0.339    | 33.01            | -7.71       |
|           | 256-QAM | 2560.0          | 2.60            | 1 / 99         | 19.63                 | <b>22.23</b> | 0.167    | 33.01            | -10.78      |

Table 7-26. Antenna 3a EIRP Data (LTE Band 7)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 503 of 572                   |

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## LTE-Band 41 (PC2)

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2498.5          | 1.90            | 1 / 0          | 26.69                 | <b>28.59</b> | 0.723    | 33.01            | -4.42       |
|           |         | 2593.0          | 1.90            | 1 / 0          | 26.35                 | 28.25        | 0.668    | 33.01            | -4.76       |
|           |         | 2687.5          | 1.90            | 1 / 0          | 26.27                 | 28.17        | 0.656    | 33.01            | -4.84       |
|           | 16-QAM  | 2498.5          | 1.90            | 1 / 0          | 25.67                 | 27.57        | 0.571    | 33.01            | -5.44       |
|           | 64-QAM  | 2498.5          | 1.90            | 1 / 24         | 25.15                 | 27.05        | 0.507    | 33.01            | -5.96       |
|           | 256-QAM | 2498.5          | 1.90            | 1 / 0          | 24.22                 | 26.12        | 0.409    | 33.01            | -6.89       |
| 10 MHz    | QPSK    | 2501.0          | 1.90            | 1 / 49         | 26.68                 | <b>28.58</b> | 0.721    | 33.01            | -4.43       |
|           |         | 2593.0          | 1.90            | 1 / 0          | 26.21                 | 28.11        | 0.647    | 33.01            | -4.90       |
|           |         | 2685.0          | 1.90            | 1 / 0          | 26.29                 | 28.19        | 0.659    | 33.01            | -4.82       |
|           | 16-QAM  | 2501.0          | 1.90            | 1 / 49         | 25.64                 | 27.54        | 0.568    | 33.01            | -5.47       |
|           | 64-QAM  | 2501.0          | 1.90            | 1 / 0          | 25.03                 | 26.93        | 0.493    | 33.01            | -6.08       |
|           | 256-QAM | 2501.0          | 1.90            | 1 / 0          | 24.59                 | 26.49        | 0.446    | 33.01            | -6.52       |
| 15 MHz    | QPSK    | 2503.5          | 1.90            | 1 / 0          | 26.70                 | <b>28.60</b> | 0.724    | 33.01            | -4.41       |
|           |         | 2593.0          | 1.90            | 1 / 0          | 26.20                 | 28.10        | 0.646    | 33.01            | -4.91       |
|           |         | 2682.5          | 1.90            | 1 / 0          | 26.22                 | 28.12        | 0.649    | 33.01            | -4.89       |
|           | 16-QAM  | 2503.5          | 1.90            | 1 / 0          | 25.42                 | 27.32        | 0.540    | 33.01            | -5.69       |
|           | 64-QAM  | 2503.5          | 1.90            | 1 / 74         | 25.22                 | 27.12        | 0.515    | 33.01            | -5.89       |
|           | 256-QAM | 2503.5          | 1.90            | 1 / 0          | 24.59                 | 26.49        | 0.446    | 33.01            | -6.52       |
| 20 MHz    | QPSK    | 2506.0          | 1.90            | 1 / 0          | 26.70                 | <b>28.60</b> | 0.724    | 33.01            | -4.41       |
|           |         | 2593.0          | 1.90            | 1 / 0          | 26.24                 | 28.14        | 0.652    | 33.01            | -4.87       |
|           |         | 2680.0          | 1.90            | 1 / 99         | 26.29                 | 28.19        | 0.659    | 33.01            | -4.82       |
|           | 16-QAM  | 2506.0          | 1.90            | 1 / 0          | 25.67                 | 27.57        | 0.571    | 33.01            | -5.44       |
|           | 64-QAM  | 2506.0          | 1.90            | 1 / 0          | 25.15                 | 27.05        | 0.507    | 33.01            | -5.96       |
|           | 256-QAM | 2506.0          | 1.90            | 1 / 0          | 24.57                 | 26.47        | 0.444    | 33.01            | -6.54       |

Table 7-27. Antenna 3a EIRP Data (LTE Band 41(PC2))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 504 of 572                   |

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## LTE-Band 41 (PC3)

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2498.5          | 1.90            | 1 / 24         | 25.69                 | <b>27.59</b> | 0.574    | 33.01            | -5.42       |
|           |         | 2593.0          | 1.90            | 1 / 0          | 25.32                 | 27.22        | 0.527    | 33.01            | -5.79       |
|           |         | 2687.5          | 1.90            | 1 / 0          | 25.26                 | 27.16        | 0.520    | 33.01            | -5.85       |
|           | 16-QAM  | 2498.5          | 1.90            | 1 / 24         | 24.46                 | 26.36        | 0.433    | 33.01            | -6.65       |
|           | 64-QAM  | 2498.5          | 1.90            | 1 / 24         | 24.17                 | 26.07        | 0.405    | 33.01            | -6.94       |
|           | 256-QAM | 2498.5          | 1.90            | 1 / 0          | 22.44                 | 24.34        | 0.272    | 33.01            | -8.67       |
| 10 MHz    | QPSK    | 2501.0          | 1.90            | 1 / 49         | 25.66                 | <b>27.56</b> | 0.570    | 33.01            | -5.45       |
|           |         | 2593.0          | 1.90            | 1 / 0          | 25.39                 | 27.29        | 0.536    | 33.01            | -5.72       |
|           |         | 2685.0          | 1.90            | 1 / 49         | 25.22                 | 27.12        | 0.515    | 33.01            | -5.89       |
|           | 16-QAM  | 2501.0          | 1.90            | 1 / 49         | 24.52                 | 26.42        | 0.439    | 33.01            | -6.59       |
|           | 64-QAM  | 2501.0          | 1.90            | 1 / 49         | 24.13                 | 26.03        | 0.401    | 33.01            | -6.98       |
|           | 256-QAM | 2501.0          | 1.90            | 1 / 0          | 22.56                 | 24.46        | 0.279    | 33.01            | -8.55       |
| 15 MHz    | QPSK    | 2503.5          | 1.90            | 1 / 37         | 25.70                 | <b>27.60</b> | 0.575    | 33.01            | -5.41       |
|           |         | 2593.0          | 1.90            | 1 / 0          | 25.28                 | 27.18        | 0.522    | 33.01            | -5.83       |
|           |         | 2682.5          | 1.90            | 1 / 74         | 25.37                 | 27.27        | 0.533    | 33.01            | -5.74       |
|           | 16-QAM  | 2503.5          | 1.90            | 1 / 37         | 24.46                 | 26.36        | 0.433    | 33.01            | -6.65       |
|           | 64-QAM  | 2503.5          | 1.90            | 1 / 37         | 24.20                 | 26.10        | 0.407    | 33.01            | -6.91       |
|           | 256-QAM | 2503.5          | 1.90            | 1 / 74         | 22.56                 | 24.46        | 0.279    | 33.01            | -8.55       |
| 20 MHz    | QPSK    | 2506.0          | 1.90            | 1 / 50         | 25.70                 | <b>27.60</b> | 0.575    | 33.01            | -5.41       |
|           |         | 2593.0          | 1.90            | 1 / 50         | 25.22                 | 27.12        | 0.515    | 33.01            | -5.89       |
|           |         | 2680.0          | 1.90            | 1 / 50         | 25.48                 | 27.38        | 0.547    | 33.01            | -5.63       |
|           | 16-QAM  | 2506.0          | 1.90            | 1 / 50         | 24.13                 | 26.03        | 0.401    | 33.01            | -6.98       |
|           | 64-QAM  | 2506.0          | 1.90            | 1 / 50         | 24.27                 | 26.17        | 0.414    | 33.01            | -6.84       |
|           | 256-QAM | 2506.0          | 1.90            | 1 / 50         | 22.54                 | 24.44        | 0.278    | 33.01            | -8.57       |

Table 7-28. Antenna 3a EIRP Data (LTE Band 41(PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 505 of 572                   |

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## NR Band n30

| Bandwidth | Mod.         | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | $\pi/2$ BPSK | 2307.5          | 1.60            | 1 / 23         | 21.79                 | 23.39        | 0.218    | 23.98            | -0.59       |
|           |              | 2310.0          | 1.60            | 1 / 23         | 21.58                 | <b>23.18</b> | 0.208    | 23.98            | -0.80       |
|           |              | 2312.5          | 1.60            | 1 / 12         | 21.78                 | 23.38        | 0.218    | 23.98            | -0.60       |
|           | QPSK         | 2307.5          | 1.60            | 1 / 12         | 21.90                 | 23.50        | 0.224    | 23.98            | -0.48       |
|           |              | 2310.0          | 1.60            | 1 / 1          | 21.69                 | <b>23.29</b> | 0.213    | 23.98            | -0.69       |
|           |              | 2312.5          | 1.60            | 1 / 1          | 21.90                 | 23.50        | 0.224    | 23.98            | -0.48       |
|           | 16-QAM       | 2307.5          | 1.60            | 1 / 12         | 20.89                 | 22.49        | 0.177    | 23.98            | -1.49       |
|           | 64-QAM       | 2310.0          | 1.60            | 1 / 12         | 19.72                 | 21.32        | 0.136    | 23.98            | -2.66       |
|           | 256-QAM      | 2310.0          | 1.60            | 1 / 23         | 16.95                 | 18.55        | 0.072    | 23.98            | -5.43       |
| 10 MHz    | $\pi/2$ BPSK | 2310.0          | 1.60            | 1 / 25         | 21.83                 | <b>23.43</b> | 0.220    | 23.98            | -0.55       |
|           | QPSK         | 2310.0          | 1.60            | 1 / 25         | 21.75                 | <b>23.35</b> | 0.216    | 23.98            | -0.63       |
|           | 16-QAM       | 2310.0          | 1.60            | 1 / 25         | 20.87                 | 22.47        | 0.177    | 23.98            | -1.51       |
|           | 64-QAM       | 2310.0          | 1.60            | 1 / 25         | 19.93                 | 21.53        | 0.142    | 23.98            | -2.45       |
|           | 256-QAM      | 2310.0          | 1.60            | 1 / 25         | 16.90                 | 18.50        | 0.071    | 23.98            | -5.48       |

Table 7-29. Antenna 3a EIRP Data (NR Band n30)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 506 of 572                   |

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## NR Band n7

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | π/2 BPSK | 2502.5          | 2.60            | 1 / 23         | 24.37                 | 26.97        | 0.497    | 33.01            | -6.04       |
|           |          | 2535.0          | 2.60            | 1 / 23         | 24.62                 | <b>27.22</b> | 0.527    | 33.01            | -5.79       |
|           |          | 2567.5          | 2.60            | 1 / 1          | 24.49                 | 27.09        | 0.511    | 33.01            | -5.93       |
|           | QPSK     | 2502.5          | 2.60            | 1 / 23         | 24.43                 | 27.03        | 0.505    | 33.01            | -5.98       |
|           |          | 2535.0          | 2.60            | 1 / 23         | 24.70                 | <b>27.30</b> | 0.537    | 33.01            | -5.71       |
|           |          | 2567.5          | 2.60            | 1 / 23         | 24.54                 | 27.14        | 0.518    | 33.01            | -5.87       |
|           | 16-QAM   | 2535.0          | 2.60            | 1 / 23         | 23.80                 | 26.40        | 0.437    | 33.01            | -6.61       |
|           | 64-QAM   | 2567.5          | 2.60            | 1 / 12         | 22.20                 | 24.80        | 0.302    | 33.01            | -8.21       |
|           | 256-QAM  | 2535.0          | 2.60            | 1 / 12         | 20.07                 | 22.67        | 0.185    | 33.01            | -10.34      |
| 10 MHz    | π/2 BPSK | 2505.0          | 2.60            | 1 / 50         | 24.29                 | 26.89        | 0.489    | 33.01            | -6.12       |
|           |          | 2535.0          | 2.60            | 1 / 50         | 24.56                 | <b>27.16</b> | 0.520    | 33.01            | -5.85       |
|           |          | 2565.0          | 2.60            | 1 / 50         | 24.43                 | 27.03        | 0.505    | 33.01            | -5.98       |
|           | QPSK     | 2505.0          | 2.60            | 1 / 50         | 24.43                 | 27.03        | 0.504    | 33.01            | -5.98       |
|           |          | 2535.0          | 2.60            | 1 / 50         | 24.69                 | <b>27.29</b> | 0.536    | 33.01            | -5.72       |
|           |          | 2565.0          | 2.60            | 1 / 50         | 24.52                 | 27.12        | 0.516    | 33.01            | -5.89       |
|           | 16-QAM   | 2535.0          | 2.60            | 1 / 1          | 23.75                 | 26.35        | 0.431    | 33.01            | -6.66       |
|           | 64-QAM   | 2535.0          | 2.60            | 1 / 50         | 22.25                 | 24.85        | 0.306    | 33.01            | -8.16       |
|           | 256-QAM  | 2535.0          | 2.60            | 1 / 50         | 20.22                 | 22.82        | 0.192    | 33.01            | -10.19      |
| 15 MHz    | π/2 BPSK | 2507.5          | 2.60            | 1 / 73         | 24.55                 | 27.15        | 0.519    | 33.01            | -5.86       |
|           |          | 2535.0          | 2.60            | 1 / 73         | 24.66                 | <b>27.26</b> | 0.532    | 33.01            | -5.75       |
|           |          | 2562.5          | 2.60            | 1 / 1          | 24.64                 | 27.24        | 0.530    | 33.01            | -5.77       |
|           | QPSK     | 2507.5          | 2.60            | 1 / 73         | 24.46                 | 27.06        | 0.508    | 33.01            | -5.95       |
|           |          | 2535.0          | 2.60            | 1 / 73         | 24.69                 | <b>27.29</b> | 0.536    | 33.01            | -5.72       |
|           |          | 2562.5          | 2.60            | 1 / 73         | 24.64                 | 27.24        | 0.530    | 33.01            | -5.77       |
|           | 16-QAM   | 2562.5          | 2.60            | 1 / 37         | 23.77                 | 26.37        | 0.434    | 33.01            | -6.64       |
|           | 64-QAM   | 2562.5          | 2.60            | 1 / 1          | 22.22                 | 24.82        | 0.304    | 33.01            | -8.19       |
|           | 256-QAM  | 2562.5          | 2.60            | 1 / 37         | 20.17                 | 22.77        | 0.189    | 33.01            | -10.24      |
| 20 MHz    | π/2 BPSK | 2510.0          | 2.60            | 1 / 98         | 24.59                 | 27.19        | 0.523    | 33.01            | -5.82       |
|           |          | 2535.0          | 2.60            | 1 / 98         | 24.68                 | <b>27.28</b> | 0.534    | 33.01            | -5.73       |
|           |          | 2560.0          | 2.60            | 1 / 50         | 24.65                 | 27.25        | 0.531    | 33.01            | -5.76       |
|           | QPSK     | 2510.0          | 2.60            | 1 / 98         | 24.61                 | 27.21        | 0.526    | 33.01            | -5.80       |
|           |          | 2535.0          | 2.60            | 1 / 98         | 24.70                 | <b>27.30</b> | 0.537    | 33.01            | -5.71       |
|           |          | 2560.0          | 2.60            | 1 / 50         | 24.68                 | 27.28        | 0.535    | 33.01            | -5.73       |
|           | 16-QAM   | 2535.0          | 2.60            | 1 / 98         | 23.75                 | 26.35        | 0.431    | 33.01            | -6.66       |
|           | 64-QAM   | 2535.0          | 2.60            | 1 / 98         | 22.49                 | 25.09        | 0.323    | 33.01            | -7.92       |
|           | 256-QAM  | 2560.0          | 2.60            | 1 / 98         | 20.27                 | 22.87        | 0.194    | 33.01            | -10.14      |
| 25 MHz    | π/2 BPSK | 2512.5          | 2.60            | 1 / 131        | 24.62                 | <b>27.22</b> | 0.527    | 33.01            | -5.79       |
|           |          | 2535.0          | 2.60            | 1 / 66         | 24.61                 | 27.21        | 0.526    | 33.01            | -5.80       |
|           |          | 2557.5          | 2.60            | 1 / 1          | 24.60                 | 27.20        | 0.525    | 33.01            | -5.81       |
|           | QPSK     | 2512.5          | 2.60            | 1 / 131        | 24.61                 | 27.21        | 0.526    | 33.01            | -5.80       |
|           |          | 2535.0          | 2.60            | 1 / 131        | 24.67                 | 27.27        | 0.533    | 33.01            | -5.74       |
|           |          | 2557.5          | 2.60            | 1 / 1          | 24.70                 | <b>27.30</b> | 0.536    | 33.01            | -5.71       |
|           | 16-QAM   | 2535.0          | 2.60            | 1 / 131        | 23.88                 | 26.48        | 0.444    | 33.01            | -6.53       |
|           | 64-QAM   | 2557.5          | 2.60            | 1 / 1          | 22.15                 | 24.75        | 0.298    | 33.01            | -8.26       |
|           | 256-QAM  | 2535.0          | 2.60            | 1 / 131        | 20.23                 | 22.83        | 0.192    | 33.01            | -10.18      |
| 30 MHz    | π/2 BPSK | 2515.0          | 2.60            | 1 / 158        | 24.56                 | 27.16        | 0.520    | 33.01            | -5.85       |
|           |          | 2535.0          | 2.60            | 1 / 158        | 24.69                 | <b>27.29</b> | 0.536    | 33.01            | -5.72       |
|           |          | 2555.0          | 2.60            | 1 / 80         | 24.69                 | 27.29        | 0.536    | 33.01            | -5.72       |
|           | QPSK     | 2515.0          | 2.60            | 1 / 158        | 24.68                 | <b>27.28</b> | 0.535    | 33.01            | -5.73       |
|           |          | 2535.0          | 2.60            | 1 / 158        | 24.67                 | 27.27        | 0.533    | 33.01            | -5.74       |
|           |          | 2555.0          | 2.60            | 1 / 1          | 24.67                 | 27.27        | 0.534    | 33.01            | -5.74       |
|           | 16-QAM   | 2535.0          | 2.60            | 1 / 80         | 23.83                 | 26.43        | 0.439    | 33.01            | -6.58       |
|           | 64-QAM   | 2535.0          | 2.60            | 1 / 1          | 22.26                 | 24.86        | 0.306    | 33.01            | -8.15       |
|           | 256-QAM  | 2535.0          | 2.60            | 1 / 80         | 20.18                 | 22.78        | 0.190    | 33.01            | -10.23      |
| 35 MHz    | π/2 BPSK | 2517.5          | 2.60            | 1 / 186        | 24.59                 | <b>27.19</b> | 0.524    | 33.01            | -5.82       |
|           |          | 2535.0          | 2.60            | 1 / 90         | 24.54                 | 27.14        | 0.518    | 33.01            | -5.87       |
|           |          | 2552.5          | 2.60            | 1 / 90         | 24.51                 | 27.11        | 0.514    | 33.01            | -5.90       |
|           | QPSK     | 2517.5          | 2.60            | 1 / 186        | 24.62                 | <b>27.22</b> | 0.527    | 33.01            | -5.79       |
|           |          | 2535.0          | 2.60            | 1 / 90         | 24.57                 | 27.17        | 0.521    | 33.01            | -5.84       |
|           |          | 2552.5          | 2.60            | 1 / 186        | 24.53                 | 27.13        | 0.517    | 33.01            | -5.88       |
|           | 16-QAM   | 2517.5          | 2.60            | 1 / 186        | 23.74                 | 26.34        | 0.430    | 33.01            | -6.67       |
|           | 64-QAM   | 2535.0          | 2.60            | 1 / 186        | 22.22                 | 24.82        | 0.304    | 33.01            | -8.19       |
|           | 256-QAM  | 2517.5          | 2.60            | 1 / 186        | 20.02                 | 22.62        | 0.183    | 33.01            | -10.39      |
| 40 MHz    | π/2 BPSK | 2520.0          | 2.60            | 1 / 214        | 24.54                 | 27.14        | 0.518    | 33.01            | -5.87       |
|           |          | 2535.0          | 2.60            | 1 / 214        | 24.60                 | <b>27.20</b> | 0.524    | 33.01            | -5.81       |
|           |          | 2550.0          | 2.60            | 1 / 108        | 24.56                 | 27.16        | 0.520    | 33.01            | -5.85       |
|           | QPSK     | 2520.0          | 2.60            | 1 / 214        | 24.69                 | <b>27.29</b> | 0.536    | 33.01            | -5.72       |
|           |          | 2535.0          | 2.60            | 1 / 214        | 24.58                 | 27.18        | 0.522    | 33.01            | -5.83       |
|           |          | 2550.0          | 2.60            | 1 / 1          | 24.55                 | 27.15        | 0.518    | 33.01            | -5.86       |
|           | 16-QAM   | 2550.0          | 2.60            | 1 / 108        | 23.58                 | 26.18        | 0.415    | 33.01            | -6.83       |
|           | 64-QAM   | 2550.0          | 2.60            | 1 / 108        | 22.09                 | 24.69        | 0.294    | 33.01            | -8.32       |
|           | 256-QAM  | 2535.0          | 2.60            | 1 / 108        | 20.31                 | 22.91        | 0.195    | 33.01            | -10.10      |

Table 7-30. Antenna 3a EIRP Data (NR Band n7)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 507 of 572                   |

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## NR Band n41(PC2)

| Bandwidth | Mod.      | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|-----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 10 MHz    | 11/2 BPSK | 2501.0          | 1.90            | 1 / 11         | 26.41                 | 28.31        | 0.678    | 33.01            | -4.70       |
|           |           | 2593.0          | 1.90            | 1 / 22         | 26.68                 | <b>28.58</b> | 0.722    | 33.01            | -4.43       |
|           |           | 2685.0          | 1.90            | 1 / 22         | 26.61                 | 28.51        | 0.710    | 33.01            | -4.50       |
|           | QPSK      | 2501.0          | 1.90            | 1 / 1          | 26.68                 | 28.58        | 0.721    | 33.01            | -4.43       |
|           |           | 2593.0          | 1.90            | 1 / 22         | 26.66                 | 28.56        | 0.718    | 33.01            | -4.45       |
|           |           | 2685.0          | 1.90            | 1 / 22         | 26.58                 | 28.48        | 0.705    | 33.01            | -4.53       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 11         | 25.51                 | 27.41        | 0.551    | 33.01            | -5.60       |
|           | 64-QAM    | 2501.0          | 1.90            | 1 / 22         | 24.15                 | 26.05        | 0.403    | 33.01            | -6.96       |
|           | 256-QAM   | 2501.0          | 1.90            | 1 / 22         | 22.60                 | 24.50        | 0.282    | 33.01            | -8.51       |
| 15 MHz    | 11/2 BPSK | 2503.5          | 1.90            | 1 / 19         | 26.56                 | 28.46        | 0.702    | 33.01            | -4.55       |
|           |           | 2593.0          | 1.90            | 1 / 36         | 26.69                 | <b>28.59</b> | 0.723    | 33.01            | -4.42       |
|           |           | 2682.5          | 1.90            | 1 / 36         | 26.69                 | 28.59        | 0.723    | 33.01            | -4.42       |
|           | QPSK      | 2503.5          | 1.90            | 1 / 36         | 26.23                 | 28.13        | 0.650    | 33.01            | -4.88       |
|           |           | 2593.0          | 1.90            | 1 / 36         | 26.58                 | 28.48        | 0.704    | 33.01            | -4.53       |
|           |           | 2682.5          | 1.90            | 1 / 36         | 26.50                 | 28.40        | 0.692    | 33.01            | -4.61       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 36         | 25.71                 | 27.61        | 0.577    | 33.01            | -5.40       |
|           | 64-QAM    | 2682.5          | 1.90            | 1 / 36         | 24.17                 | 26.07        | 0.404    | 33.01            | -6.94       |
|           | 256-QAM   | 2503.5          | 1.90            | 1 / 19         | 22.51                 | 24.41        | 0.276    | 33.01            | -8.60       |
| 20 MHz    | 11/2 BPSK | 2506.0          | 1.90            | 1 / 1          | 26.70                 | <b>28.60</b> | 0.724    | 33.01            | -4.41       |
|           |           | 2593.0          | 1.90            | 1 / 49         | 26.35                 | 28.25        | 0.668    | 33.01            | -4.76       |
|           |           | 2680.0          | 1.90            | 1 / 25         | 26.27                 | 28.17        | 0.656    | 33.01            | -4.84       |
|           | QPSK      | 2506.0          | 1.90            | 1 / 1          | 26.47                 | 28.37        | 0.687    | 33.01            | -4.64       |
|           |           | 2593.0          | 1.90            | 1 / 49         | 26.33                 | 28.23        | 0.665    | 33.01            | -4.78       |
|           |           | 2680.0          | 1.90            | 1 / 49         | 26.31                 | 28.21        | 0.662    | 33.01            | -4.80       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 49         | 25.61                 | 27.51        | 0.564    | 33.01            | -5.50       |
|           | 64-QAM    | 2593.0          | 1.90            | 1 / 25         | 24.30                 | 26.20        | 0.417    | 33.01            | -6.81       |
|           | 256-QAM   | 2680.0          | 1.90            | 1 / 25         | 21.96                 | 23.86        | 0.243    | 33.01            | -9.15       |
| 30 MHz    | 11/2 BPSK | 2511.0          | 1.90            | 1 / 1          | 26.66                 | <b>28.56</b> | 0.718    | 33.01            | -4.45       |
|           |           | 2593.0          | 1.90            | 1 / 76         | 26.38                 | 28.28        | 0.673    | 33.01            | -4.73       |
|           |           | 2675.0          | 1.90            | 1 / 76         | 26.48                 | 28.38        | 0.689    | 33.01            | -4.63       |
|           | QPSK      | 2511.0          | 1.90            | 1 / 39         | 26.53                 | 28.43        | 0.697    | 33.01            | -4.58       |
|           |           | 2593.0          | 1.90            | 1 / 76         | 26.35                 | 28.25        | 0.669    | 33.01            | -4.76       |
|           |           | 2675.0          | 1.90            | 1 / 76         | 26.42                 | 28.32        | 0.679    | 33.01            | -4.69       |
|           | 16-QAM    | 2675.0          | 1.90            | 1 / 76         | 25.48                 | 27.38        | 0.547    | 33.01            | -5.63       |
|           | 64-QAM    | 2593.0          | 1.90            | 1 / 76         | 24.08                 | 25.98        | 0.396    | 33.01            | -7.03       |
|           | 256-QAM   | 2675.0          | 1.90            | 1 / 39         | 21.85                 | 23.75        | 0.237    | 33.01            | -9.26       |
| 40 MHz    | 11/2 BPSK | 2516.0          | 1.90            | 1 / 104        | 26.55                 | <b>28.45</b> | 0.700    | 33.01            | -4.56       |
|           |           | 2593.0          | 1.90            | 1 / 53         | 26.26                 | 28.16        | 0.654    | 33.01            | -4.85       |
|           |           | 2670.0          | 1.90            | 1 / 104        | 26.41                 | 28.31        | 0.677    | 33.01            | -4.70       |
|           | QPSK      | 2516.0          | 1.90            | 1 / 104        | 26.55                 | 28.45        | 0.700    | 33.01            | -4.56       |
|           |           | 2593.0          | 1.90            | 1 / 104        | 26.31                 | 28.21        | 0.662    | 33.01            | -4.80       |
|           |           | 2670.0          | 1.90            | 1 / 53         | 26.38                 | 28.28        | 0.672    | 33.01            | -4.73       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 104        | 25.41                 | 27.31        | 0.538    | 33.01            | -5.70       |
|           | 64-QAM    | 2593.0          | 1.90            | 1 / 53         | 24.10                 | 26.00        | 0.398    | 33.01            | -7.01       |
|           | 256-QAM   | 2516.0          | 1.90            | 1 / 104        | 21.78                 | 23.68        | 0.233    | 33.01            | -9.33       |
| 50 MHz    | 11/2 BPSK | 2521.0          | 1.90            | 1 / 66         | 26.70                 | <b>28.60</b> | 0.724    | 33.01            | -4.41       |
|           |           | 2593.0          | 1.90            | 1 / 66         | 26.61                 | 28.51        | 0.710    | 33.01            | -4.50       |
|           |           | 2665.0          | 1.90            | 1 / 131        | 26.39                 | 28.29        | 0.675    | 33.01            | -4.72       |
|           | QPSK      | 2521.0          | 1.90            | 1 / 66         | 26.64                 | 28.54        | 0.714    | 33.01            | -4.47       |
|           |           | 2593.0          | 1.90            | 1 / 66         | 26.20                 | 28.10        | 0.645    | 33.01            | -4.91       |
|           |           | 2665.0          | 1.90            | 1 / 66         | 26.31                 | 28.21        | 0.662    | 33.01            | -4.80       |
|           | 16-QAM    | 2665.0          | 1.90            | 1 / 66         | 25.30                 | 27.20        | 0.525    | 33.01            | -5.81       |
|           | 64-QAM    | 2593.0          | 1.90            | 1 / 131        | 24.07                 | 25.97        | 0.396    | 33.01            | -7.04       |
|           | 256-QAM   | 2593.0          | 1.90            | 1 / 66         | 21.67                 | 23.57        | 0.228    | 33.01            | -9.44       |
| 60 MHz    | 11/2 BPSK | 2526.0          | 1.90            | 1 / 1          | 26.64                 | 28.54        | 0.714    | 33.01            | -4.47       |
|           |           | 2593.0          | 1.90            | 1 / 81         | 26.29                 | 28.19        | 0.660    | 33.01            | -4.82       |
|           |           | 2660.0          | 1.90            | 1 / 1          | 26.40                 | 28.30        | 0.676    | 33.01            | -4.71       |
|           | QPSK      | 2526.0          | 1.90            | 1 / 1          | 26.70                 | <b>28.60</b> | 0.724    | 33.01            | -4.41       |
|           |           | 2593.0          | 1.90            | 1 / 1          | 26.35                 | 28.25        | 0.668    | 33.01            | -4.76       |
|           |           | 2660.0          | 1.90            | 1 / 1          | 26.37                 | 28.27        | 0.671    | 33.01            | -4.74       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 160        | 25.52                 | 27.42        | 0.553    | 33.01            | -5.59       |
|           | 64-QAM    | 2593.0          | 1.90            | 1 / 1          | 24.30                 | 26.20        | 0.417    | 33.01            | -6.81       |
|           | 256-QAM   | 2593.0          | 1.90            | 1 / 1          | 21.90                 | 23.80        | 0.240    | 33.01            | -9.21       |
| 70 MHz    | 11/2 BPSK | 2531.0          | 1.90            | 1 / 160        | 26.67                 | <b>28.57</b> | 0.719    | 33.01            | -4.44       |
|           |           | 2593.0          | 1.90            | 1 / 1          | 26.35                 | 28.25        | 0.668    | 33.01            | -4.76       |
|           |           | 2660.0          | 1.90            | 1 / 1          | 26.47                 | 28.37        | 0.687    | 33.01            | -4.64       |
|           | QPSK      | 2531.0          | 1.90            | 1 / 81         | 26.55                 | 28.45        | 0.700    | 33.01            | -4.56       |
|           |           | 2593.0          | 1.90            | 1 / 1          | 26.35                 | 28.25        | 0.669    | 33.01            | -4.76       |
|           |           | 2660.0          | 1.90            | 1 / 1          | 26.23                 | 28.13        | 0.651    | 33.01            | -4.88       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 1          | 25.81                 | 27.71        | 0.590    | 33.01            | -5.30       |
|           | 64-QAM    | 2593.0          | 1.90            | 1 / 1          | 24.26                 | 26.16        | 0.413    | 33.01            | -6.85       |
|           | 256-QAM   | 2593.0          | 1.90            | 1 / 1          | 21.87                 | 23.77        | 0.239    | 33.01            | -9.24       |
| 80 MHz    | 11/2 BPSK | 2536.0          | 1.90            | 1 / 108        | 26.60                 | 28.50        | 0.708    | 33.01            | -4.51       |
|           |           | 2593.0          | 1.90            | 1 / 1          | 26.33                 | 28.23        | 0.666    | 33.01            | -4.78       |
|           |           | 2650.0          | 1.90            | 1 / 108        | 26.52                 | 28.42        | 0.695    | 33.01            | -4.59       |
|           | QPSK      | 2536.0          | 1.90            | 1 / 215        | 26.70                 | <b>28.60</b> | 0.724    | 33.01            | -4.41       |
|           |           | 2593.0          | 1.90            | 1 / 1          | 26.36                 | 28.26        | 0.669    | 33.01            | -4.75       |
|           |           | 2650.0          | 1.90            | 1 / 1          | 26.24                 | 28.14        | 0.652    | 33.01            | -4.87       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 1          | 25.51                 | 27.41        | 0.551    | 33.01            | -5.60       |
|           | 64-QAM    | 2593.0          | 1.90            | 1 / 1          | 24.13                 | 26.03        | 0.401    | 33.01            | -6.98       |
|           | 256-QAM   | 2593.0          | 1.90            | 1 / 1          | 21.87                 | 23.77        | 0.238    | 33.01            | -9.24       |
| 90 MHz    | 11/2 BPSK | 2541.0          | 1.90            | 1 / 1          | 26.70                 | <b>28.60</b> | 0.724    | 33.01            | -4.41       |
|           |           | 2593.0          | 1.90            | 1 / 1          | 26.32                 | 28.22        | 0.664    | 33.01            | -4.79       |
|           |           | 2645.0          | 1.90            | 1 / 122        | 26.36                 | 28.26        | 0.670    | 33.01            | -4.75       |
|           | QPSK      | 2541.0          | 1.90            | 1 / 243        | 26.69                 | 28.59        | 0.723    | 33.01            | -4.42       |
|           |           | 2593.0          | 1.90            | 1 / 243        | 26.30                 | 28.20        | 0.661    | 33.01            | -4.81       |
|           |           | 2645.0          | 1.90            | 1 / 122        | 26.29                 | 28.19        | 0.659    | 33.01            | -4.82       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 1          | 25.47                 | 27.37        | 0.546    | 33.01            | -5.64       |
|           | 64-QAM    | 2645.0          | 1.90            | 1 / 1          | 24.06                 | 25.96        | 0.394    | 33.01            | -7.05       |
|           | 256-QAM   | 2645.0          | 1.90            | 1 / 1          | 21.85                 | 23.75        | 0.237    | 33.01            | -9.27       |
| 100 MHz   | 11/2 BPSK | 2546.0          | 1.90            | 1 / 136        | 26.50                 | 28.40        | 0.692    | 33.01            | -4.61       |
|           |           | 2593.0          | 1.90            | 1 / 1          | 26.25                 | 28.15        | 0.654    | 33.01            | -4.86       |
|           |           | 2640.0          | 1.90            | 1 / 1          | 26.57                 | <b>28.47</b> | 0.703    | 33.01            | -4.54       |
|           | QPSK      | 2546.0          | 1.90            | 1 / 136        | 26.56                 | 28.46        | 0.701    | 33.01            | -4.55       |
|           |           | 2593.0          | 1.90            | 1 / 1          | 26.30                 | 28.20        | 0.660    | 33.01            | -4.81       |
|           |           | 2640.0          | 1.90            | 1 / 136        | 26.29                 | 28.19        | 0.659    | 33.01            | -4.82       |
|           | 16-QAM    | 2593.0          | 1.90            | 1 / 1          | 25.66                 | 27.56        | 0.570    | 33.01            | -5.45       |
|           | 64-QAM    | 2593.0          | 1.90            | 1 / 1          | 24.07                 | 25.97        | 0.395    | 33.01            | -7.04       |
|           | 256-QAM   | 2593.0          | 1.90            | 1 / 1          | 21.86                 | 23.76        | 0.238    | 33.01            | -9.25       |

Table 7-31. Antenna 3a EIRP Data (NR Band n41(PC2))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 508 of 572                   |

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# NR Band n41(PC3)

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 2501.0          | 1.90            | 1 / 1          | 25.69                 | <b>27.59</b> | 0.574    | 33.01            | -5.42       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.50                 | <b>27.40</b> | 0.550    | 33.01            | -5.61       |
|           |          | 2685.0          | 1.90            | 1 / 11         | 25.34                 | 27.24        | 0.530    | 33.01            | -5.77       |
|           | QPSK     | 2501.0          | 1.90            | 1 / 22         | 25.66                 | 27.56        | 0.570    | 33.01            | -5.45       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.49                 | <b>27.39</b> | 0.549    | 33.01            | -5.62       |
|           |          | 2685.0          | 1.90            | 1 / 1          | 25.38                 | 27.28        | 0.535    | 33.01            | -5.73       |
|           |          | 2593.0          | 1.90            | 1 / 11         | 24.86                 | 26.76        | 0.475    | 33.01            | -6.25       |
|           |          | 2593.0          | 1.90            | 1 / 11         | 23.34                 | 25.24        | 0.334    | 33.01            | -7.77       |
|           |          | 2593.0          | 1.90            | 1 / 11         | 21.11                 | 23.01        | 0.200    | 33.01            | -10.00      |
|           |          | 2685.0          | 1.90            | 1 / 1          | 21.05                 | 22.95        | 0.197    | 33.01            | -10.06      |
|           | 256-QAM  | 2503.5          | 1.90            | 1 / 19         | 25.63                 | 27.53        | 0.566    | 33.01            | -5.48       |
|           |          | 2593.0          | 1.90            | 1 / 36         | 25.64                 | <b>27.54</b> | 0.568    | 33.01            | -5.47       |
|           |          | 2682.5          | 1.90            | 1 / 1          | 25.37                 | 27.27        | 0.533    | 33.01            | -5.74       |
|           |          | 2503.5          | 1.90            | 1 / 19         | 25.70                 | 27.60        | 0.575    | 33.01            | -5.41       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.65                 | 27.55        | 0.569    | 33.01            | -5.46       |
|           |          | 2682.5          | 1.90            | 1 / 1          | 25.44                 | 27.34        | 0.542    | 33.01            | -5.67       |
| 15 MHz    | π/2 BPSK | 2593.0          | 1.90            | 1 / 36         | 25.01                 | 26.91        | 0.491    | 33.01            | -6.10       |
|           |          | 2593.0          | 1.90            | 1 / 36         | 23.45                 | 25.35        | 0.343    | 33.01            | -7.66       |
|           |          | 2682.5          | 1.90            | 1 / 19         | 21.19                 | 23.09        | 0.204    | 33.01            | -9.92       |
|           | QPSK     | 2506.0          | 1.90            | 1 / 49         | 25.70                 | 27.60        | 0.575    | 33.01            | -5.41       |
|           |          | 2593.0          | 1.90            | 1 / 25         | 25.29                 | <b>27.19</b> | 0.524    | 33.01            | -5.82       |
|           |          | 2680.0          | 1.90            | 1 / 25         | 25.25                 | 27.15        | 0.519    | 33.01            | -5.86       |
|           |          | 2506.0          | 1.90            | 1 / 49         | 25.68                 | 27.58        | 0.573    | 33.01            | -5.43       |
|           |          | 2593.0          | 1.90            | 1 / 49         | 25.29                 | 27.19        | 0.523    | 33.01            | -5.82       |
|           |          | 2680.0          | 1.90            | 1 / 49         | 25.23                 | 27.13        | 0.516    | 33.01            | -5.88       |
|           | 16-QAM   | 2593.0          | 1.90            | 1 / 25         | 24.52                 | 26.42        | 0.438    | 33.01            | -6.59       |
|           |          | 2593.0          | 1.90            | 1 / 25         | 23.29                 | 25.19        | 0.330    | 33.01            | -7.82       |
|           |          | 2680.0          | 1.90            | 1 / 49         | 20.79                 | 22.69        | 0.186    | 33.01            | -10.32      |
| 20 MHz    | π/2 BPSK | 2511.0          | 1.90            | 1 / 1          | 25.55                 | 27.45        | 0.556    | 33.01            | -5.56       |
|           |          | 2593.0          | 1.90            | 1 / 76         | 25.33                 | 27.23        | 0.529    | 33.01            | -5.78       |
|           |          | 2675.0          | 1.90            | 1 / 76         | 25.38                 | 27.28        | 0.534    | 33.01            | -5.73       |
|           | QPSK     | 2511.0          | 1.90            | 1 / 1          | 25.40                 | 27.30        | 0.537    | 33.01            | -5.71       |
|           |          | 2593.0          | 1.90            | 1 / 76         | 25.28                 | 27.18        | 0.522    | 33.01            | -5.83       |
|           |          | 2675.0          | 1.90            | 1 / 76         | 25.41                 | <b>27.31</b> | 0.538    | 33.01            | -5.70       |
|           |          | 2593.0          | 1.90            | 1 / 76         | 24.67                 | 26.57        | 0.454    | 33.01            | -6.44       |
|           |          | 2593.0          | 1.90            | 1 / 76         | 23.19                 | 25.09        | 0.323    | 33.01            | -7.92       |
|           |          | 2593.0          | 1.90            | 1 / 76         | 20.95                 | 22.85        | 0.193    | 33.01            | -10.16      |
| 30 MHz    | π/2 BPSK | 2516.0          | 1.90            | 1 / 1          | 25.51                 | 27.41        | 0.551    | 33.01            | -5.60       |
|           |          | 2593.0          | 1.90            | 1 / 104        | 25.32                 | 27.22        | 0.527    | 33.01            | -5.79       |
|           |          | 2670.0          | 1.90            | 1 / 104        | 25.46                 | 27.36        | 0.544    | 33.01            | -5.65       |
|           | QPSK     | 2516.0          | 1.90            | 1 / 1          | 25.34                 | 27.24        | 0.530    | 33.01            | -5.77       |
|           |          | 2593.0          | 1.90            | 1 / 104        | 25.31                 | 27.21        | 0.527    | 33.01            | -5.80       |
|           |          | 2670.0          | 1.90            | 1 / 104        | 25.46                 | 27.36        | 0.545    | 33.01            | -5.65       |
|           |          | 2516.0          | 1.90            | 1 / 104        | 24.71                 | 26.61        | 0.458    | 33.01            | -6.40       |
|           |          | 2593.0          | 1.90            | 1 / 104        | 23.19                 | 25.09        | 0.323    | 33.01            | -7.92       |
|           |          | 2670.0          | 1.90            | 1 / 104        | 20.95                 | 22.85        | 0.193    | 33.01            | -10.16      |
| 40 MHz    | π/2 BPSK | 2521.0          | 1.90            | 1 / 66         | 25.52                 | 27.42        | 0.552    | 33.01            | -5.59       |
|           |          | 2593.0          | 1.90            | 1 / 131        | 25.27                 | 27.17        | 0.521    | 33.01            | -5.84       |
|           |          | 2665.0          | 1.90            | 1 / 131        | 25.27                 | 27.17        | 0.521    | 33.01            | -5.84       |
|           | QPSK     | 2521.0          | 1.90            | 1 / 66         | 25.70                 | 27.60        | 0.575    | 33.01            | -5.41       |
|           |          | 2593.0          | 1.90            | 1 / 131        | 25.20                 | 27.10        | 0.513    | 33.01            | -5.91       |
|           |          | 2665.0          | 1.90            | 1 / 131        | 25.27                 | 27.17        | 0.521    | 33.01            | -5.84       |
|           |          | 2593.0          | 1.90            | 1 / 131        | 24.58                 | 26.48        | 0.445    | 33.01            | -6.53       |
|           |          | 2665.0          | 1.90            | 1 / 131        | 22.97                 | 24.87        | 0.307    | 33.01            | -8.14       |
|           |          | 2665.0          | 1.90            | 1 / 131        | 20.81                 | 22.71        | 0.187    | 33.01            | -10.30      |
| 50 MHz    | π/2 BPSK | 2526.0          | 1.90            | 1 / 81         | 25.54                 | 27.44        | 0.555    | 33.01            | -5.57       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.33                 | 27.23        | 0.529    | 33.01            | -5.78       |
|           |          | 2660.0          | 1.90            | 1 / 1          | 25.46                 | <b>27.36</b> | 0.544    | 33.01            | -5.65       |
|           | QPSK     | 2526.0          | 1.90            | 1 / 81         | 25.61                 | 27.51        | 0.564    | 33.01            | -5.50       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.39                 | <b>27.29</b> | 0.535    | 33.01            | -5.72       |
|           |          | 2660.0          | 1.90            | 1 / 1          | 25.31                 | 27.21        | 0.526    | 33.01            | -5.80       |
|           |          | 2593.0          | 1.90            | 1 / 81         | 24.70                 | 26.60        | 0.457    | 33.01            | -6.42       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 23.37                 | 25.27        | 0.336    | 33.01            | -7.74       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 20.79                 | 22.69        | 0.186    | 33.01            | -10.32      |
| 60 MHz    | π/2 BPSK | 2531.0          | 1.90            | 1 / 1          | 25.60                 | 27.50        | 0.562    | 33.01            | -5.51       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.45                 | <b>27.35</b> | 0.543    | 33.01            | -5.66       |
|           |          | 2660.0          | 1.90            | 1 / 1          | 25.33                 | 27.23        | 0.528    | 33.01            | -5.78       |
|           | QPSK     | 2531.0          | 1.90            | 1 / 1          | 25.70                 | 27.60        | 0.575    | 33.01            | -5.41       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.32                 | 27.22        | 0.527    | 33.01            | -5.79       |
|           |          | 2660.0          | 1.90            | 1 / 1          | 25.25                 | 27.15        | 0.519    | 33.01            | -5.86       |
|           |          | 2660.0          | 1.90            | 1 / 1          | 24.71                 | 26.61        | 0.458    | 33.01            | -6.40       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 23.10                 | 25.00        | 0.316    | 33.01            | -8.01       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 20.98                 | 22.88        | 0.194    | 33.01            | -10.13      |
| 70 MHz    | π/2 BPSK | 2536.0          | 1.90            | 1 / 215        | 25.49                 | 27.39        | 0.548    | 33.01            | -5.62       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.26                 | 27.16        | 0.520    | 33.01            | -5.85       |
|           |          | 2650.0          | 1.90            | 1 / 1          | 25.27                 | 27.17        | 0.521    | 33.01            | -5.84       |
|           | QPSK     | 2536.0          | 1.90            | 1 / 1          | 25.52                 | 27.42        | 0.552    | 33.01            | -5.59       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.31                 | 27.21        | 0.526    | 33.01            | -5.80       |
|           |          | 2650.0          | 1.90            | 1 / 1          | 25.26                 | 27.16        | 0.520    | 33.01            | -5.85       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 24.63                 | 26.53        | 0.449    | 33.01            | -6.48       |
|           |          | 2593.0          | 1.90            | 1 / 108        | 23.71                 | 25.61        | 0.364    | 33.01            | -7.40       |
|           |          | 2593.0          | 1.90            | 1 / 215        | 20.88                 | 22.78        | 0.190    | 33.01            | -10.23      |
| 80 MHz    | π/2 BPSK | 2541.0          | 1.90            | 1 / 122        | 25.59                 | 27.49        | 0.561    | 33.01            | -5.52       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.33                 | <b>27.23</b> | 0.528    | 33.01            | -5.78       |
|           |          | 2645.0          | 1.90            | 1 / 1          | 25.20                 | 27.10        | 0.513    | 33.01            | -5.91       |
|           | QPSK     | 2541.0          | 1.90            | 1 / 243        | 25.35                 | 27.25        | 0.531    | 33.01            | -5.76       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.44                 | <b>27.34</b> | 0.542    | 33.01            | -5.67       |
|           |          | 2645.0          | 1.90            | 1 / 1          | 25.25                 | 27.15        | 0.519    | 33.01            | -5.86       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 24.57                 | 26.47        | 0.443    | 33.01            | -6.54       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 23.40                 | 25.30        | 0.339    | 33.01            | -7.71       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 20.80                 | 22.70        | 0.186    | 33.01            | -10.31      |
| 90 MHz    | π/2 BPSK | 2546.0          | 1.90            | 1 / 271        | 25.62                 | 27.52        | 0.565    | 33.01            | -5.49       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.46                 | <b>27.36</b> | 0.545    | 33.01            | -5.65       |
|           |          | 2640.0          | 1.90            | 1 / 1          | 25.27                 | 27.17        | 0.521    | 33.01            | -5.84       |
|           | QPSK     | 2546.0          | 1.90            | 1 / 271        | 25.41                 | 27.31        | 0.538    | 33.01            | -5.70       |
|           |          | 2593.0          | 1.90            | 1 / 1          | 25.26                 | 27.16        | 0.520    | 33.01            | -5.85       |
|           |          | 2640.0          | 1.90            | 1 / 136        | 25.32                 | <b>27.22</b> | 0.527    | 33.01            | -5.79       |
|           |          | 2593.0          | 1.90            | 1 / 136        | 24.68                 | 26.58        | 0.455    | 33.01            | -6.43       |
|           |          | 2593.0          | 1.90            | 1 / 136        | 22.94                 | 24.84        | 0.305    | 33.01            | -8.17       |
|           |          | 2593.0          | 1.90            | 1 / 136        | 20.90                 | 22.80        | 0.191    | 33.01            | -10.21      |

Table 7-32. Antenna 3a EIRP Data (NR Band n41(PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 509 of 572                   |

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## ULCA LTE Band 7

| Power State | Band   | Bandwidth (PCC + SCC) | PCC        |            |              |         |              | SCC        |            |              |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |       |       |
|-------------|--------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|-------|-------|
|             |        |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |       |       |
| Max         | LTE B7 | 20MHz + 20MHz         | QPSK       | 20850      | 2510.0       | 1       | 99           | QPSK       | 21048      | 2529.8       | 1       | 0            | 24.64                | 2.60            | 27.24      | 0.530    | 33.01            | -5.77       |       |       |
|             |        |                       |            | 21100      | 2535.0       | 1       | 99           |            | 21298      | 2554.8       | 1       | 0            | 24.44                | 2.60            | 27.04      | 0.506    | 33.01            | -5.97       |       |       |
|             |        |                       |            | 21350      | 2560.0       | 1       | 0            |            | 21152      | 2540.2       | 1       | 99           | 24.25                | 2.60            | 26.85      | 0.484    | 33.01            | -6.16       |       |       |
|             |        |                       | QPSK       | 20850      | 2510         | 100     | 0            | QPSK       | 21048      | 2529.8       | 100     | 0            | 23.67                | 2.60            | 26.27      | 0.424    | 33.01            | -6.74       |       |       |
|             |        |                       |            | 16-QAM     | 20850        | 2510    | 100          |            | 0          | 16-QAM       | 21048   | 2529.8       | 100                  | 0               | 23.02      | 2.60     | 25.62            | 0.365       | 33.01 | -7.39 |
|             |        |                       | 64-QAM     | 20850      | 2510         | 100     | 0            | 64-QAM     | 21048      | 2529.8       | 100     | 0            | 22.59                | 2.60            | 25.19      | 0.330    | 33.01            | -7.82       |       |       |
|             |        |                       |            | 256-QAM    | 20850        | 2510    | 100          |            | 0          | 256-QAM      | 21048   | 2529.8       | 100                  | 0               | 21.95      | 2.60     | 24.55            | 0.285       | 33.01 | -8.46 |
|             |        |                       |            |            |              |         |              |            |            |              |         |              |                      |                 |            |          |                  |             |       |       |
|             |        |                       |            |            |              |         |              |            |            |              |         |              |                      |                 |            |          |                  |             |       |       |
|             |        |                       |            |            |              |         |              |            |            |              |         |              |                      |                 |            |          |                  |             |       |       |

Table 7-33. Antenna 3a EIRP Data (ULCA LTE Band 7)

## ULCA LTE Band 41(PC2)

| Power State | Band          | Bandwidth (PCC + SCC) | PCC        |            |              |         |              | SCC        |            |              |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|
|             |               |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |
| Max         | LTE B41 (PC2) | 20MHz + 20MHz         | QPSK       | 39750      | 2506.0       | 1       | 99           | QPSK       | 39948      | 2525.8       | 1       | 0            | 26.27                | 1.90            | 28.17      | 0.656    | 33.01            | -4.84       |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1       | 0            | 26.47                | 1.90            | 28.37      | 0.667    | 33.01            | -4.64       |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1       | 99           | 26.38                | 1.90            | 28.28      | 0.673    | 33.01            | -4.73       |
|             |               |                       | QPSK       | 40620      | 2593         | 100     | 0            | QPSK       | 40818      | 2612.8       | 100     | 0            | 24.97                | 1.90            | 26.87      | 0.486    | 33.01            | -6.14       |
|             |               |                       |            | 16-QAM     | 40620        | 2593    | 100          |            | 0          | 16-QAM       | 40818   | 2612.8       | 100                  | 0               | 24.10      | 1.90     | 26.00            | 0.398       |
|             |               |                       | 64-QAM     | 40620      | 2593         | 100     | 0            | 64-QAM     | 40818      | 2612.8       | 100     | 0            | 23.12                | 1.90            | 25.02      | 0.318    | 33.01            | -7.99       |
|             |               |                       |            | 256-QAM    | 40620        | 2593    | 100          |            | 0          | 256-QAM      | 40818   | 2612.8       | 100                  | 0               | 21.07      | 1.90     | 22.97            | 0.198       |

Table 7-34. Antenna 3a EIRP Data (ULCA LTE Band 41 (PC2))

## ULCA LTE Band 41(PC3)

| Power State | Band          | Bandwidth (PCC + SCC) | PCC        |            |              |         | SCC          |            |            |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |         |              |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|---------|--------------|
|             |               |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency |                      |                 |            |          |                  |             | UL # RB | UL RB Offset |
| Max         | LTE B41 (PC3) | 20MHz + 20MHz         | QPSK       | 39750      | 2506.0       | 1       | 99           | QPSK       | 39948      | 2525.8       | 1                    | 0               | 25.29      | 1.90     | 27.19            | 0.524       | 33.01   | -5.82        |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1                    | 0               | 25.06      | 1.90     | 26.96            | 0.497       | 33.01   | -6.05        |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1                    | 99              | 25.05      | 1.90     | 26.95            | 0.495       | 33.01   | -6.06        |
|             |               |                       | QPSK       | 39750      | 2506         | 100     | 0            | QPSK       | 39948      | 2525.8       | 100                  | 0               | 22.97      | 1.90     | 24.87            | 0.307       | 33.01   | -8.14        |
|             |               |                       |            | 16-QAM     | 39750        | 2506    | 100          |            | 0          | 16-QAM       | 39948                | 2525.8          | 100        | 0        | 22.08            | 1.90        | 23.98   | 0.250        |
|             |               |                       | 64-QAM     | 39750      | 2506         | 100     | 0            | 64-QAM     | 39948      | 2525.8       | 100                  | 0               | 20.95      | 1.90     | 22.85            | 0.193       | 33.01   | -10.16       |
|             |               |                       |            | 256-QAM    | 39750        | 2506    | 100          |            | 0          | 256-QAM      | 39948                | 2525.8          | 100        | 0        | 20.08            | 1.90        | 21.98   | 0.158        |

Table 7-35. Antenna 3a EIRP Data (ULCA LTE Band 41 (PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 510 of 572                   |

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## 7.6.4 Antenna 1b - EIRP

### LTE-Band 30

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2307.5          | -2.80           | 1 / 0          | 23.20                 | <b>20.40</b> | 0.110    | 23.98            | -3.58       |
|           |         | 2310.0          | -2.80           | 1 / 0          | 23.20                 | <b>20.40</b> | 0.110    | 23.98            | -3.58       |
|           |         | 2312.5          | -2.80           | 1 / 0          | 23.07                 | 20.27        | 0.106    | 23.98            | -3.71       |
|           | 16-QAM  | 2307.5          | -2.80           | 1 / 0          | 22.57                 | 19.77        | 0.095    | 23.98            | -4.21       |
|           | 64-QAM  | 2310.0          | -2.80           | 1 / 0          | 21.47                 | 18.67        | 0.074    | 23.98            | -5.31       |
|           | 256-QAM | 2307.5          | -2.80           | 1 / 0          | 18.35                 | 15.55        | 0.036    | 23.98            | -8.43       |
| 10 MHz    | QPSK    | 2310.0          | -2.80           | 1 / 25         | 23.03                 | <b>20.23</b> | 0.105    | 23.98            | -3.75       |
|           | 16-QAM  | 2310.0          | -2.80           | 1 / 25         | 22.42                 | 19.62        | 0.092    | 23.98            | -4.36       |
|           | 64-QAM  | 2310.0          | -2.80           | 1 / 0          | 21.27                 | 18.47        | 0.070    | 23.98            | -5.51       |
|           | 256-QAM | 2310.0          | -2.80           | 1 / 0          | 18.32                 | 15.52        | 0.036    | 23.98            | -8.46       |

Table 7-36. Antenna 1b EIRP Data (LTE Band 30)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 511 of 572                   |

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## LTE-Band 7

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2502.5          | -2.50           | 1 / 0          | 23.18                 | <b>20.68</b> | 0.117    | 33.01            | -12.33      |
|           |         | 2535.0          | -2.50           | 1 / 12         | 23.02                 | 20.52        | 0.113    | 33.01            | -12.49      |
|           |         | 2567.5          | -2.50           | 1 / 0          | 23.14                 | 20.64        | 0.116    | 33.01            | -12.37      |
|           | 16-QAM  | 2502.5          | -2.50           | 1 / 24         | 22.30                 | 19.80        | 0.095    | 33.01            | -13.21      |
|           | 64-QAM  | 2567.5          | -2.50           | 1 / 24         | 21.26                 | 18.76        | 0.075    | 33.01            | -14.25      |
|           | 256-QAM | 2502.5          | -2.50           | 1 / 24         | 18.40                 | 15.90        | 0.039    | 33.01            | -17.11      |
| 10 MHz    | QPSK    | 2505.0          | -2.50           | 1 / 25         | 22.97                 | 20.47        | 0.111    | 33.01            | -12.54      |
|           |         | 2535.0          | -2.50           | 1 / 49         | 23.19                 | <b>20.69</b> | 0.117    | 33.01            | -12.32      |
|           |         | 2565.0          | -2.50           | 1 / 49         | 22.98                 | 20.48        | 0.112    | 33.01            | -12.53      |
|           | 16-QAM  | 2565.0          | -2.50           | 1 / 49         | 22.19                 | 19.69        | 0.093    | 33.01            | -13.32      |
|           | 64-QAM  | 2505.0          | -2.50           | 1 / 49         | 21.15                 | 18.65        | 0.073    | 33.01            | -14.36      |
|           | 256-QAM | 2565.0          | -2.50           | 1 / 0          | 18.31                 | 15.81        | 0.038    | 33.01            | -17.20      |
| 15 MHz    | QPSK    | 2507.5          | -2.50           | 1 / 0          | 22.90                 | 20.40        | 0.110    | 33.01            | -12.61      |
|           |         | 2535.0          | -2.50           | 1 / 74         | 23.16                 | 20.66        | 0.116    | 33.01            | -12.35      |
|           |         | 2562.5          | -2.50           | 1 / 0          | 23.18                 | <b>20.68</b> | 0.117    | 33.01            | -12.33      |
|           | 16-QAM  | 2562.5          | -2.50           | 1 / 0          | 22.19                 | 19.69        | 0.093    | 33.01            | -13.32      |
|           | 64-QAM  | 2507.5          | -2.50           | 1 / 37         | 21.15                 | 18.65        | 0.073    | 33.01            | -14.36      |
|           | 256-QAM | 2507.5          | -2.50           | 1 / 0          | 18.25                 | 15.75        | 0.038    | 33.01            | -17.26      |
|           | QPSK    | 2510.0          | -2.50           | 1 / 0          | 22.71                 | 20.21        | 0.105    | 33.01            | -12.80      |
|           |         | 2535.0          | -2.50           | 1 / 0          | 23.20                 | <b>20.70</b> | 0.117    | 33.01            | -12.31      |
|           |         | 2560.0          | -2.50           | 1 / 0          | 22.74                 | 20.24        | 0.106    | 33.01            | -12.77      |
|           | 16-QAM  | 2560.0          | -2.50           | 1 / 50         | 22.20                 | 19.70        | 0.093    | 33.01            | -13.31      |
|           | 64-QAM  | 2510.0          | -2.50           | 1 / 0          | 21.17                 | 18.67        | 0.074    | 33.01            | -14.34      |
|           | 256-QAM | 2535.0          | -2.50           | 1 / 99         | 18.11                 | 15.61        | 0.036    | 33.01            | -17.40      |

Table 7-37. Antenna 1b EIRP Data (LTE Band 7)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 512 of 572                   |

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## LTE-Band 41 (PC2)

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2498.5          | -3.60           | 1 / 0          | 27.20                 | <b>23.60</b> | 0.229    | 33.01            | -9.41       |
|           |         | 2593.0          | -3.60           | 1 / 0          | 27.12                 | 23.52        | 0.225    | 33.01            | -9.49       |
|           |         | 2687.5          | -3.60           | 1 / 0          | 26.94                 | 23.34        | 0.216    | 33.01            | -9.67       |
|           | 16-QAM  | 2498.5          | -3.60           | 1 / 0          | 26.17                 | 22.57        | 0.181    | 33.01            | -10.44      |
|           | 64-QAM  | 2498.5          | -3.60           | 1 / 12         | 25.64                 | 22.04        | 0.160    | 33.01            | -10.97      |
|           | 256-QAM | 2498.5          | -3.60           | 1 / 0          | 25.09                 | 21.49        | 0.141    | 33.01            | -11.52      |
| 10 MHz    | QPSK    | 2501.0          | -3.60           | 1 / 0          | 27.18                 | <b>23.58</b> | 0.228    | 33.01            | -9.43       |
|           |         | 2593.0          | -3.60           | 1 / 0          | 27.06                 | 23.46        | 0.222    | 33.01            | -9.55       |
|           |         | 2685.0          | -3.60           | 1 / 0          | 27.01                 | 23.41        | 0.219    | 33.01            | -9.60       |
|           | 16-QAM  | 2501.0          | -3.60           | 1 / 0          | 26.17                 | 22.57        | 0.181    | 33.01            | -10.44      |
|           | 64-QAM  | 2501.0          | -3.60           | 1 / 0          | 25.68                 | 22.08        | 0.161    | 33.01            | -10.93      |
|           | 256-QAM | 2593.0          | -3.60           | 1 / 25         | 25.09                 | 21.49        | 0.141    | 33.01            | -11.52      |
| 15 MHz    | QPSK    | 2503.5          | -3.60           | 1 / 0          | 27.20                 | <b>23.60</b> | 0.229    | 33.01            | -9.41       |
|           |         | 2593.0          | -3.60           | 1 / 0          | 27.11                 | 23.51        | 0.224    | 33.01            | -9.50       |
|           |         | 2682.5          | -3.60           | 1 / 74         | 26.86                 | 23.26        | 0.212    | 33.01            | -9.75       |
|           | 16-QAM  | 2682.5          | -3.60           | 1 / 0          | 26.17                 | 22.57        | 0.181    | 33.01            | -10.44      |
|           | 64-QAM  | 2503.5          | -3.60           | 1 / 37         | 25.56                 | 21.96        | 0.157    | 33.01            | -11.05      |
|           | 256-QAM | 2503.5          | -3.60           | 1 / 0          | 25.09                 | 21.49        | 0.141    | 33.01            | -11.52      |
| 20 MHz    | QPSK    | 2506.0          | -3.60           | 1 / 0          | 27.20                 | <b>23.60</b> | 0.229    | 33.01            | -9.41       |
|           |         | 2593.0          | -3.60           | 1 / 99         | 27.16                 | 23.56        | 0.227    | 33.01            | -9.45       |
|           |         | 2680.0          | -3.60           | 1 / 99         | 27.17                 | 23.57        | 0.228    | 33.01            | -9.44       |
|           | 16-QAM  | 2506.0          | -3.60           | 1 / 0          | 26.17                 | 22.57        | 0.181    | 33.01            | -10.44      |
|           | 64-QAM  | 2506.0          | -3.60           | 1 / 0          | 25.72                 | 22.12        | 0.163    | 33.01            | -10.89      |
|           | 256-QAM | 2506.0          | -3.60           | 1 / 0          | 25.09                 | 21.49        | 0.141    | 33.01            | -11.52      |

Table 7-38. Antenna 1b EIRP Data (LTE Band 41(PC2))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 513 of 572                   |

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## LTE-Band 41 (PC3)

| Bandwidth | Mod.    | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | QPSK    | 2498.5          | -3.60           | 1 / 0          | 25.70                 | <b>22.10</b> | 0.162    | 33.01            | -10.91      |
|           |         | 2593.0          | -3.60           | 1 / 0          | 25.68                 | 22.08        | 0.161    | 33.01            | -10.93      |
|           |         | 2687.5          | -3.60           | 1 / 0          | 25.44                 | 21.84        | 0.153    | 33.01            | -11.17      |
|           | 16-QAM  | 2687.5          | -3.60           | 1 / 0          | 24.59                 | 20.99        | 0.126    | 33.01            | -12.02      |
|           | 64-QAM  | 2498.5          | -3.60           | 1 / 12         | 24.21                 | 20.61        | 0.115    | 33.01            | -12.40      |
|           | 256-QAM | 2498.5          | -3.60           | 1 / 0          | 22.59                 | 18.99        | 0.079    | 33.01            | -14.02      |
| 10 MHz    | QPSK    | 2501.0          | -3.60           | 1 / 49         | 25.70                 | <b>22.10</b> | 0.162    | 33.01            | -10.91      |
|           |         | 2593.0          | -3.60           | 1 / 0          | 25.64                 | 22.04        | 0.160    | 33.01            | -10.97      |
|           |         | 2685.0          | -3.60           | 1 / 0          | 25.44                 | 21.84        | 0.153    | 33.01            | -11.17      |
|           | 16-QAM  | 2593.0          | -3.60           | 1 / 49         | 24.57                 | 20.97        | 0.125    | 33.01            | -12.04      |
|           | 64-QAM  | 2501.0          | -3.60           | 1 / 49         | 24.15                 | 20.55        | 0.114    | 33.01            | -12.46      |
|           |         | 2593.0          | -3.60           | 1 / 0          | 24.15                 | 20.55        | 0.114    | 33.01            | -12.46      |
|           | 256-QAM | 2501.0          | -3.60           | 1 / 25         | 22.57                 | 18.97        | 0.079    | 33.01            | -14.04      |
| 15 MHz    | QPSK    | 2503.5          | -3.60           | 1 / 0          | 25.70                 | <b>22.10</b> | 0.162    | 33.01            | -10.91      |
|           |         | 2593.0          | -3.60           | 1 / 0          | 25.66                 | 22.06        | 0.161    | 33.01            | -10.95      |
|           |         | 2682.5          | -3.60           | 1 / 0          | 25.58                 | 21.98        | 0.158    | 33.01            | -11.03      |
|           | 16-QAM  | 2682.5          | -3.60           | 1 / 0          | 24.64                 | 21.04        | 0.127    | 33.01            | -11.97      |
|           | 64-QAM  | 2593.0          | -3.60           | 1 / 74         | 24.05                 | 20.45        | 0.111    | 33.01            | -12.56      |
|           | 256-QAM | 2682.5          | -3.60           | 1 / 0          | 22.56                 | 18.96        | 0.079    | 33.01            | -14.05      |
| 20 MHz    | QPSK    | 2506.0          | -3.60           | 1 / 0          | 25.70                 | <b>22.10</b> | 0.162    | 33.01            | -10.91      |
|           |         | 2593.0          | -3.60           | 1 / 99         | 25.63                 | 22.03        | 0.160    | 33.01            | -10.98      |
|           |         | 2680.0          | -3.60           | 1 / 0          | 25.63                 | 22.03        | 0.160    | 33.01            | -10.98      |
|           | 16-QAM  | 2593.0          | -3.60           | 1 / 0          | 24.45                 | 20.85        | 0.122    | 33.01            | -12.16      |
|           | 64-QAM  | 2680.0          | -3.60           | 1 / 99         | 24.27                 | 20.67        | 0.117    | 33.01            | -12.34      |
|           | 256-QAM | 2593.0          | -3.60           | 1 / 0          | 22.54                 | 18.94        | 0.078    | 33.01            | -14.07      |

Table 7-39. Antenna 1b EIRP Data (LTE Band 41(PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 514 of 572                   |

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## NR Band n30

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | π/2 BPSK | 2307.5          | -2.80           | 1 / 1          | 23.15                 | <b>20.35</b> | 0.108    | 23.98            | -3.63       |
|           |          | 2310.0          | -2.80           | 1 / 23         | 23.19                 | 20.39        | 0.110    | 23.98            | -3.58       |
|           |          | 2312.5          | -2.80           | 1 / 1          | 23.19                 | 20.39        | 0.109    | 23.98            | -3.59       |
|           | QPSK     | 2307.5          | -2.80           | 1 / 1          | 23.10                 | 20.30        | 0.107    | 23.98            | -3.68       |
|           |          | 2310.0          | -2.80           | 1 / 12         | 23.19                 | 20.39        | 0.109    | 23.98            | -3.59       |
|           |          | 2312.5          | -2.80           | 1 / 12         | 23.20                 | <b>20.40</b> | 0.110    | 23.98            | -3.58       |
|           | 16-QAM   | 2307.5          | -2.80           | 1 / 12         | 22.43                 | 19.63        | 0.092    | 23.98            | -4.34       |
|           | 64-QAM   | 2310.0          | -2.80           | 1 / 23         | 20.67                 | 17.87        | 0.061    | 23.98            | -6.11       |
|           | 256-QAM  | 2312.5          | -2.80           | 1 / 1          | 18.64                 | 15.84        | 0.038    | 23.98            | -8.14       |
| 10 MHz    | π/2 BPSK | 2310.0          | -2.80           | 1 / 1          | 23.18                 | 20.38        | 0.109    | 23.98            | -3.60       |
|           | QPSK     | 2310.0          | -2.80           | 1 / 25         | 23.20                 | <b>20.40</b> | 0.110    | 23.98            | -3.58       |
|           | 16-QAM   | 2310.0          | -2.80           | 1 / 25         | 22.22                 | 19.42        | 0.088    | 23.98            | -4.56       |
|           | 64-QAM   | 2310.0          | -2.80           | 1 / 25         | 20.72                 | 17.92        | 0.062    | 23.98            | -6.06       |
|           | 256-QAM  | 2310.0          | -2.80           | 1 / 50         | 18.50                 | 15.70        | 0.037    | 23.98            | -8.28       |

Table 7-40. Antenna 1b EIRP Data (NR Band n30)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 515 of 572                   |

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## NR Band n7

| Bandwidth | Mod.                        | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|-----------------------------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 5 MHz     | π/2 BPSK                    | 2502.5          | -2.50           | 1 / 23         | 22.94                 | <b>20.44</b> | 0.111    | 33.01            | -12.57      |
|           |                             | 2535.0          | -2.50           | 1 / 23         | 23.11                 | 20.61        | 0.115    | 33.01            | -12.40      |
|           |                             | 2567.5          | -2.50           | 1 / 23         | 23.10                 | 20.60        | 0.115    | 33.01            | -12.41      |
|           | QPSK                        | 2502.5          | -2.50           | 1 / 12         | 23.03                 | 20.53        | 0.113    | 33.01            | -12.48      |
|           |                             | 2535.0          | -2.50           | 1 / 23         | 23.19                 | <b>20.69</b> | 0.117    | 33.01            | -12.32      |
|           |                             | 2567.5          | -2.50           | 1 / 12         | 23.13                 | 20.63        | 0.116    | 33.01            | -12.38      |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2535.0          | -2.50           | 1 / 12         | 22.14                 | 19.64        | 0.092    | 33.01            | -13.37      |
|           |                             | 2535.0          | -2.50           | 1 / 1          | 20.66                 | 18.16        | 0.065    | 33.01            | -14.85      |
|           |                             | 2535.0          | -2.50           | 1 / 12         | 18.51                 | 16.01        | 0.040    | 33.01            | -17.00      |
| 10 MHz    | π/2 BPSK                    | 2505.0          | -2.50           | 1 / 50         | 22.95                 | 20.45        | 0.111    | 33.01            | -12.56      |
|           |                             | 2535.0          | -2.50           | 1 / 50         | 23.14                 | 20.64        | 0.116    | 33.01            | -12.37      |
|           |                             | 2565.0          | -2.50           | 1 / 50         | 23.05                 | 20.55        | 0.113    | 33.01            | -12.46      |
|           | QPSK                        | 2505.0          | -2.50           | 1 / 1          | 23.00                 | 20.50        | 0.112    | 33.01            | -12.51      |
|           |                             | 2535.0          | -2.50           | 1 / 50         | 23.19                 | <b>20.69</b> | 0.117    | 33.01            | -12.32      |
|           |                             | 2565.0          | -2.50           | 1 / 50         | 23.13                 | 20.63        | 0.116    | 33.01            | -12.38      |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2565.0          | -2.50           | 1 / 50         | 22.24                 | 19.74        | 0.094    | 33.01            | -13.27      |
|           |                             | 2565.0          | -2.50           | 1 / 50         | 20.78                 | 18.28        | 0.067    | 33.01            | -14.73      |
|           |                             | 2535.0          | -2.50           | 1 / 25         | 18.60                 | 16.10        | 0.041    | 33.01            | -16.91      |
| 15 MHz    | π/2 BPSK                    | 2507.5          | -2.50           | 1 / 1          | 23.04                 | 20.54        | 0.113    | 33.01            | -12.47      |
|           |                             | 2535.0          | -2.50           | 1 / 73         | 23.15                 | 20.65        | 0.116    | 33.01            | -12.36      |
|           |                             | 2562.5          | -2.50           | 1 / 1          | 23.14                 | 20.64        | 0.116    | 33.01            | -12.37      |
|           | QPSK                        | 2507.5          | -2.50           | 1 / 73         | 23.05                 | 20.55        | 0.114    | 33.01            | -12.46      |
|           |                             | 2535.0          | -2.50           | 1 / 73         | 23.19                 | <b>20.69</b> | 0.117    | 33.01            | -12.32      |
|           |                             | 2562.5          | -2.50           | 1 / 73         | 23.17                 | 20.67        | 0.117    | 33.01            | -12.34      |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2562.5          | -2.50           | 1 / 73         | 22.39                 | 19.89        | 0.098    | 33.01            | -13.12      |
|           |                             | 2507.5          | -2.50           | 1 / 73         | 20.78                 | 18.28        | 0.067    | 33.01            | -14.73      |
|           |                             | 2562.5          | -2.50           | 1 / 73         | 18.69                 | 16.19        | 0.042    | 33.01            | -16.82      |
| 20 MHz    | π/2 BPSK                    | 2510.0          | -2.50           | 1 / 98         | 23.08                 | 20.58        | 0.114    | 33.01            | -12.43      |
|           |                             | 2535.0          | -2.50           | 1 / 98         | 23.16                 | 20.66        | 0.116    | 33.01            | -12.35      |
|           |                             | 2560.0          | -2.50           | 1 / 98         | 23.19                 | 20.69        | 0.117    | 33.01            | -12.32      |
|           | QPSK                        | 2510.0          | -2.50           | 1 / 1          | 23.07                 | 20.57        | 0.114    | 33.01            | -12.44      |
|           |                             | 2535.0          | -2.50           | 1 / 50         | 23.19                 | 20.69        | 0.117    | 33.01            | -12.32      |
|           |                             | 2560.0          | -2.50           | 1 / 98         | 23.19                 | <b>20.69</b> | 0.117    | 33.01            | -12.32      |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2535.0          | -2.50           | 1 / 50         | 22.32                 | 19.82        | 0.096    | 33.01            | -13.19      |
|           |                             | 2535.0          | -2.50           | 1 / 50         | 20.84                 | 18.34        | 0.068    | 33.01            | -14.67      |
|           |                             | 2535.0          | -2.50           | 1 / 50         | 18.73                 | 16.23        | 0.042    | 33.01            | -16.78      |
| 25 MHz    | π/2 BPSK                    | 2512.5          | -2.50           | 1 / 131        | 23.01                 | 20.51        | 0.112    | 33.01            | -12.50      |
|           |                             | 2535.0          | -2.50           | 1 / 1          | 23.14                 | 20.64        | 0.116    | 33.01            | -12.37      |
|           |                             | 2557.5          | -2.50           | 1 / 1          | 23.12                 | 20.62        | 0.115    | 33.01            | -12.39      |
|           | QPSK                        | 2512.5          | -2.50           | 1 / 131        | 23.12                 | 20.62        | 0.115    | 33.01            | -12.39      |
|           |                             | 2535.0          | -2.50           | 1 / 66         | 23.10                 | 20.60        | 0.115    | 33.01            | -12.41      |
|           |                             | 2557.5          | -2.50           | 1 / 131        | 23.19                 | <b>20.69</b> | 0.117    | 33.01            | -12.32      |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2512.5          | -2.50           | 1 / 131        | 22.51                 | 20.01        | 0.100    | 33.01            | -13.00      |
|           |                             | 2557.5          | -2.50           | 1 / 1          | 20.66                 | 18.16        | 0.065    | 33.01            | -14.85      |
|           |                             | 2557.5          | -2.50           | 1 / 1          | 18.67                 | 16.17        | 0.041    | 33.01            | -16.84      |
| 30 MHz    | π/2 BPSK                    | 2515.0          | -2.50           | 1 / 158        | 23.10                 | 20.60        | 0.115    | 33.01            | -12.41      |
|           |                             | 2535.0          | -2.50           | 1 / 80         | 23.03                 | 20.53        | 0.113    | 33.01            | -12.48      |
|           |                             | 2555.0          | -2.50           | 1 / 158        | 23.06                 | 20.56        | 0.114    | 33.01            | -12.45      |
|           | QPSK                        | 2515.0          | -2.50           | 1 / 158        | 23.08                 | 20.58        | 0.114    | 33.01            | -12.43      |
|           |                             | 2535.0          | -2.50           | 1 / 158        | 23.19                 | <b>20.69</b> | 0.117    | 33.01            | -12.32      |
|           |                             | 2555.0          | -2.50           | 1 / 158        | 23.15                 | 20.65        | 0.116    | 33.01            | -12.36      |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2555.0          | -2.50           | 1 / 80         | 22.17                 | 19.67        | 0.093    | 33.01            | -13.34      |
|           |                             | 2515.0          | -2.50           | 1 / 158        | 20.73                 | 18.23        | 0.067    | 33.01            | -14.78      |
|           |                             | 2555.0          | -2.50           | 1 / 1          | 18.62                 | 16.12        | 0.041    | 33.01            | -16.89      |
| 35 MHz    | π/2 BPSK                    | 2517.5          | -2.50           | 1 / 186        | 23.09                 | <b>20.59</b> | 0.115    | 33.01            | -12.42      |
|           |                             | 2535.0          | -2.50           | 1 / 90         | 23.02                 | 20.52        | 0.113    | 33.01            | -12.49      |
|           |                             | 2552.5          | -2.50           | 1 / 1          | 22.96                 | 20.46        | 0.111    | 33.01            | -12.55      |
|           | QPSK                        | 2517.5          | -2.50           | 1 / 186        | 23.02                 | 20.52        | 0.113    | 33.01            | -12.49      |
|           |                             | 2535.0          | -2.50           | 1 / 90         | 23.02                 | 20.52        | 0.113    | 33.01            | -12.49      |
|           |                             | 2552.5          | -2.50           | 1 / 186        | 23.00                 | 20.50        | 0.112    | 33.01            | -12.51      |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2517.5          | -2.50           | 1 / 186        | 22.09                 | 19.59        | 0.091    | 33.01            | -13.42      |
|           |                             | 2535.0          | -2.50           | 1 / 186        | 20.63                 | 18.13        | 0.065    | 33.01            | -14.88      |
|           |                             | 2517.5          | -2.50           | 1 / 186        | 18.55                 | 16.05        | 0.040    | 33.01            | -16.96      |
| 40 MHz    | π/2 BPSK                    | 2520.0          | -2.50           | 1 / 214        | 23.09                 | 20.59        | 0.114    | 33.01            | -12.42      |
|           |                             | 2535.0          | -2.50           | 1 / 108        | 23.09                 | 20.59        | 0.115    | 33.01            | -12.42      |
|           |                             | 2550.0          | -2.50           | 1 / 1          | 23.08                 | 20.58        | 0.114    | 33.01            | -12.43      |
|           | QPSK                        | 2520.0          | -2.50           | 1 / 214        | 23.13                 | 20.63        | 0.116    | 33.01            | -12.38      |
|           |                             | 2535.0          | -2.50           | 1 / 108        | 23.05                 | 20.55        | 0.113    | 33.01            | -12.46      |
|           |                             | 2550.0          | -2.50           | 1 / 214        | 23.19                 | <b>20.69</b> | 0.117    | 33.01            | -12.32      |
|           | 16-QAM<br>64-QAM<br>256-QAM | 2535.0          | -2.50           | 1 / 108        | 22.15                 | 19.65        | 0.092    | 33.01            | -13.36      |
|           |                             | 2520.0          | -2.50           | 1 / 214        | 20.66                 | 18.16        | 0.065    | 33.01            | -14.85      |
|           |                             | 2535.0          | -2.50           | 1 / 108        | 18.62                 | 16.12        | 0.041    | 33.01            | -16.89      |

Table 7-41. Antenna 1b EIRP Data (NR Band n7)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 516 of 572                   |

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## NR Band n41(PC2)

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | ERP [dBm]    | ERP [W] | ERP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|---------|-----------------|-------------|
| 10 MHz    | π/2 BPSK | 2501.0          | -3.60           | 1 / 1          | 26.92                 | <b>23.32</b> | 0.215   | 33.01           | -9.69       |
|           |          | 2593.0          | -3.60           | 1 / 11         | 27.16                 | 23.56        | 0.227   | 33.01           | -9.45       |
|           |          | 2685.0          | -3.60           | 1 / 11         | 27.20                 | <b>23.60</b> | 0.229   | 33.01           | -9.41       |
|           | QPSK     | 2501.0          | -3.60           | 1 / 22         | 27.04                 | 23.44        | 0.221   | 33.01           | -9.57       |
|           |          | 2593.0          | -3.60           | 1 / 11         | 27.13                 | 23.53        | 0.226   | 33.01           | -9.48       |
|           |          | 2685.0          | -3.60           | 1 / 1          | 27.13                 | <b>23.53</b> | 0.225   | 33.01           | -9.48       |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 11         | 26.32                 | 22.72        | 0.187   | 33.01           | -10.29      |
|           | 64-QAM   | 2501.0          | -3.60           | 1 / 11         | 24.63                 | 21.03        | 0.127   | 33.01           | -11.98      |
|           | 256-QAM  | 2685.0          | -3.60           | 1 / 11         | 23.23                 | 19.63        | 0.092   | 33.01           | -13.39      |
|           | 256-QAM  | 2503.5          | -3.60           | 1 / 36         | 27.17                 | 23.57        | 0.228   | 33.01           | -9.44       |
| 15 MHz    | π/2 BPSK | 2593.0          | -3.60           | 1 / 19         | 27.12                 | 23.52        | 0.225   | 33.01           | -9.49       |
|           |          | 2682.5          | -3.60           | 1 / 19         | 27.15                 | <b>23.55</b> | 0.227   | 33.01           | -9.46       |
|           |          | 2503.5          | -3.60           | 1 / 19         | 27.17                 | 23.57        | 0.228   | 33.01           | -9.44       |
|           | QPSK     | 2593.0          | -3.60           | 1 / 19         | 27.13                 | 23.53        | 0.226   | 33.01           | -9.48       |
|           |          | 2682.5          | -3.60           | 1 / 19         | 27.20                 | <b>23.60</b> | 0.229   | 33.01           | -9.41       |
|           |          | 2503.5          | -3.60           | 1 / 19         | 26.09                 | 22.49        | 0.178   | 33.01           | -10.52      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 19         | 24.60                 | 21.00        | 0.126   | 33.01           | -12.01      |
|           | 64-QAM   | 2503.5          | -3.60           | 1 / 19         | 22.54                 | 18.94        | 0.078   | 33.01           | -14.07      |
|           | 256-QAM  | 2506.0          | -3.60           | 1 / 25         | 27.19                 | 23.59        | 0.229   | 33.01           | -9.42       |
|           | 256-QAM  | 2593.0          | -3.60           | 1 / 25         | 27.18                 | <b>23.58</b> | 0.228   | 33.01           | -9.43       |
| 20 MHz    | π/2 BPSK | 2680.0          | -3.60           | 1 / 25         | 26.94                 | 23.34        | 0.216   | 33.01           | -9.67       |
|           |          | 2506.0          | -3.60           | 1 / 49         | 27.20                 | 23.60        | 0.229   | 33.01           | -9.41       |
|           |          | 2593.0          | -3.60           | 1 / 1          | 26.90                 | 23.30        | 0.214   | 33.01           | -9.71       |
|           | QPSK     | 2680.0          | -3.60           | 1 / 25         | 26.93                 | 23.33        | 0.215   | 33.01           | -9.68       |
|           |          | 2593.0          | -3.60           | 1 / 25         | 25.97                 | 22.37        | 0.173   | 33.01           | -10.64      |
|           |          | 2506.0          | -3.60           | 1 / 25         | 24.59                 | 20.99        | 0.125   | 33.01           | -12.03      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 25         | 22.33                 | 18.73        | 0.075   | 33.01           | -14.29      |
|           | 64-QAM   | 2680.0          | -3.60           | 1 / 25         | 22.33                 | 18.73        | 0.075   | 33.01           | -14.29      |
|           | 256-QAM  | 2511.0          | -3.60           | 1 / 76         | 27.13                 | 23.53        | 0.225   | 33.01           | -9.48       |
|           | 256-QAM  | 2593.0          | -3.60           | 1 / 39         | 26.91                 | 23.31        | 0.214   | 33.01           | -9.70       |
| 30 MHz    | π/2 BPSK | 2675.0          | -3.60           | 1 / 39         | 26.92                 | 23.32        | 0.215   | 33.01           | -9.69       |
|           |          | 2511.0          | -3.60           | 1 / 39         | 27.16                 | 23.56        | 0.227   | 33.01           | -9.45       |
|           |          | 2593.0          | -3.60           | 1 / 39         | 26.91                 | 23.31        | 0.214   | 33.01           | -9.70       |
|           | QPSK     | 2675.0          | -3.60           | 1 / 39         | 26.99                 | 23.39        | 0.218   | 33.01           | -9.62       |
|           |          | 2675.0          | -3.60           | 1 / 39         | 26.06                 | 22.46        | 0.176   | 33.01           | -10.55      |
|           |          | 2593.0          | -3.60           | 1 / 39         | 24.72                 | 21.12        | 0.129   | 33.01           | -11.89      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 39         | 22.46                 | 18.86        | 0.077   | 33.01           | -14.15      |
|           | 64-QAM   | 2516.0          | -3.60           | 1 / 53         | 27.16                 | 23.56        | 0.227   | 33.01           | -9.45       |
|           | 256-QAM  | 2593.0          | -3.60           | 1 / 53         | 26.88                 | 23.28        | 0.213   | 33.01           | -9.73       |
|           | 256-QAM  | 2670.0          | -3.60           | 1 / 53         | 26.96                 | 23.36        | 0.217   | 33.01           | -9.65       |
| 40 MHz    | π/2 BPSK | 2516.0          | -3.60           | 1 / 104        | 27.20                 | 23.60        | 0.229   | 33.01           | -9.41       |
|           |          | 2593.0          | -3.60           | 1 / 53         | 26.80                 | 23.20        | 0.209   | 33.01           | -9.81       |
|           |          | 2670.0          | -3.60           | 1 / 53         | 26.94                 | 23.34        | 0.216   | 33.01           | -9.67       |
|           | QPSK     | 2593.0          | -3.60           | 1 / 53         | 26.13                 | 22.53        | 0.179   | 33.01           | -10.48      |
|           |          | 2516.0          | -3.60           | 1 / 53         | 24.55                 | 20.95        | 0.124   | 33.01           | -12.06      |
|           |          | 2670.0          | -3.60           | 1 / 53         | 22.50                 | 18.90        | 0.078   | 33.01           | -14.11      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 53         | 22.50                 | 18.90        | 0.078   | 33.01           | -14.11      |
|           | 64-QAM   | 2516.0          | -3.60           | 1 / 53         | 22.50                 | 18.90        | 0.078   | 33.01           | -14.11      |
|           | 256-QAM  | 2516.0          | -3.60           | 1 / 53         | 22.50                 | 18.90        | 0.078   | 33.01           | -14.11      |
|           | 256-QAM  | 2521.0          | -3.60           | 1 / 66         | 27.15                 | 23.55        | 0.226   | 33.01           | -9.46       |
|           | 256-QAM  | 2593.0          | -3.60           | 1 / 66         | 27.06                 | <b>23.46</b> | 0.222   | 33.01           | -9.55       |
| 50 MHz    | π/2 BPSK | 2665.0          | -3.60           | 1 / 66         | 26.94                 | 23.34        | 0.216   | 33.01           | -9.67       |
|           |          | 2521.0          | -3.60           | 1 / 1          | 27.20                 | 23.60        | 0.229   | 33.01           | -9.41       |
|           |          | 2593.0          | -3.60           | 1 / 66         | 26.89                 | 23.29        | 0.213   | 33.01           | -9.72       |
|           | QPSK     | 2665.0          | -3.60           | 1 / 131        | 27.11                 | <b>23.51</b> | 0.224   | 33.01           | -9.50       |
|           |          | 2593.0          | -3.60           | 1 / 66         | 26.19                 | 22.59        | 0.181   | 33.01           | -10.42      |
|           |          | 2593.0          | -3.60           | 1 / 66         | 24.53                 | 20.93        | 0.124   | 33.01           | -12.08      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 66         | 24.53                 | 20.93        | 0.124   | 33.01           | -12.08      |
|           | 64-QAM   | 2521.0          | -3.60           | 1 / 66         | 22.31                 | 18.71        | 0.074   | 33.01           | -14.30      |
|           | 256-QAM  | 2526.0          | -3.60           | 1 / 100        | 27.17                 | 23.57        | 0.228   | 33.01           | -9.44       |
|           | 256-QAM  | 2593.0          | -3.60           | 1 / 100        | 27.17                 | 23.57        | 0.228   | 33.01           | -9.44       |
| 60 MHz    | π/2 BPSK | 2660.0          | -3.60           | 1 / 1          | 26.96                 | 23.38        | 0.218   | 33.01           | -9.63       |
|           |          | 2526.0          | -3.60           | 1 / 1          | 27.05                 | 23.45        | 0.221   | 33.01           | -9.56       |
|           |          | 2593.0          | -3.60           | 1 / 81         | 26.91                 | 23.31        | 0.214   | 33.01           | -9.70       |
|           | QPSK     | 2660.0          | -3.60           | 1 / 1          | 26.82                 | 23.22        | 0.210   | 33.01           | -9.79       |
|           |          | 2593.0          | -3.60           | 1 / 81         | 26.48                 | 22.88        | 0.184   | 33.01           | -10.13      |
|           |          | 2593.0          | -3.60           | 1 / 81         | 24.86                 | 21.26        | 0.134   | 33.01           | -11.75      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 81         | 22.32                 | 18.72        | 0.074   | 33.01           | -14.29      |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 1          | 27.17                 | 23.57        | 0.228   | 33.01           | -9.44       |
|           | 256-QAM  | 2593.0          | -3.60           | 1 / 1          | 26.88                 | 23.28        | 0.213   | 33.01           | -9.73       |
|           | 256-QAM  | 2660.0          | -3.60           | 1 / 81         | 26.98                 | <b>23.38</b> | 0.218   | 33.01           | -9.63       |
| 70 MHz    | π/2 BPSK | 2531.0          | -3.60           | 1 / 160        | 27.14                 | 23.54        | 0.226   | 33.01           | -9.47       |
|           |          | 2593.0          | -3.60           | 1 / 81         | 26.88                 | 23.28        | 0.213   | 33.01           | -9.73       |
|           |          | 2660.0          | -3.60           | 1 / 81         | 27.10                 | <b>23.50</b> | 0.224   | 33.01           | -9.51       |
|           | QPSK     | 2593.0          | -3.60           | 1 / 1          | 25.94                 | 22.34        | 0.171   | 33.01           | -10.67      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 24.53                 | 20.93        | 0.124   | 33.01           | -12.08      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 22.49                 | 18.89        | 0.077   | 33.01           | -14.12      |
|           | 16-QAM   | 2536.0          | -3.60           | 1 / 215        | 27.11                 | 23.51        | 0.224   | 33.01           | -9.50       |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 1          | 27.13                 | <b>23.53</b> | 0.225   | 33.01           | -9.48       |
|           | 256-QAM  | 2650.0          | -3.60           | 1 / 1          | 26.94                 | 23.34        | 0.216   | 33.01           | -9.67       |
|           | 256-QAM  | 2536.0          | -3.60           | 1 / 1          | 27.18                 | 23.58        | 0.228   | 33.01           | -9.43       |
| 80 MHz    | π/2 BPSK | 2593.0          | -3.60           | 1 / 1          | 26.84                 | 23.24        | 0.211   | 33.01           | -9.77       |
|           |          | 2650.0          | -3.60           | 1 / 1          | 26.90                 | <b>23.30</b> | 0.214   | 33.01           | -9.71       |
|           |          | 2593.0          | -3.60           | 1 / 108        | 25.99                 | 22.39        | 0.170   | 33.01           | -10.72      |
|           | QPSK     | 2593.0          | -3.60           | 1 / 1          | 24.45                 | 20.85        | 0.122   | 33.01           | -12.16      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 22.52                 | 18.92        | 0.078   | 33.01           | -14.09      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 22.52                 | 18.92        | 0.078   | 33.01           | -14.09      |
|           | 16-QAM   | 2541.0          | -3.60           | 1 / 243        | 27.17                 | 23.57        | 0.228   | 33.01           | -9.44       |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 1          | 27.20                 | <b>23.60</b> | 0.229   | 33.01           | -9.41       |
|           | 256-QAM  | 2645.0          | -3.60           | 1 / 1          | 26.93                 | 23.33        | 0.215   | 33.01           | -9.69       |
|           | 256-QAM  | 2541.0          | -3.60           | 1 / 243        | 27.05                 | 23.45        | 0.221   | 33.01           | -9.56       |
| 90 MHz    | π/2 BPSK | 2593.0          | -3.60           | 1 / 1          | 26.99                 | 23.39        | 0.218   | 33.01           | -9.62       |
|           |          | 2645.0          | -3.60           | 1 / 1          | 26.90                 | 23.30        | 0.214   | 33.01           | -9.71       |
|           |          | 2593.0          | -3.60           | 1 / 122        | 26.02                 | 22.42        | 0.175   | 33.01           | -10.59      |
|           | QPSK     | 2593.0          | -3.60           | 1 / 1          | 24.55                 | 20.95        | 0.124   | 33.01           | -12.06      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 22.57                 | 18.97        | 0.079   | 33.01           | -14.04      |
|           |          | 2546.0          | -3.60           | 1 / 1          | 26.98                 | <b>23.38</b> | 0.218   | 33.01           | -9.63       |
|           | π/2 BPSK | 2593.0          | -3.60           | 1 / 1          | 26.85                 | 23.25        | 0.211   | 33.01           | -9.76       |
|           |          | 2640.0          | -3.60           | 1 / 1          | 26.88                 | 23.28        | 0.213   | 33.01           | -9.73       |
|           |          | 2546.0          | -3.60           | 1 / 1          | 27.14                 | 23.54        | 0.226   | 33.01           | -9.47       |
|           | QPSK     | 2593.0          | -3.60           | 1 / 1          | 26.90                 | 23.30        | 0.214   | 33.01           | -9.71       |
|           |          | 2640.0          | -3.60           | 1 / 1          | 26.84                 | 23.24        | 0.211   | 33.01           | -9.77       |
| 100 MHz   | π/2 BPSK | 2593.0          | -3.60           | 1 / 136        | 26.11                 | 22.51        | 0.178   | 33.01           | -10.50      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 24.56                 | 20.96        | 0.125   | 33.01           | -12.05      |
|           |          | 2546.0          | -3.60           | 1 / 1          | 22.34                 | 18.74        | 0.075   | 33.01           | -14.27      |

Table 7-42. Antenna 1b EIRP Data (NR Band n41(PC2))

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                               | EUT Type:<br>Tablet Device | Page 517 of 572                   |

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## NR Band n41(PC3)

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|----------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 2501.0          | -3.60           | 1 / 11         | 25.47                 | <b>21.87</b> | 0.154    | 33.01            | -11.14      |
|           |          | 2593.0          | -3.60           | 1 / 11         | 25.47                 | <b>21.87</b> | 0.154    | 33.01            | -11.15      |
|           |          | 2685.0          | -3.60           | 1 / 11         | 25.26                 | 21.66        | 0.147    | 33.01            | -11.35      |
|           | QPSK     | 2501.0          | -3.60           | 1 / 11         | 25.51                 | 21.91        | 0.155    | 33.01            | -11.10      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.48                 | 21.88        | 0.154    | 33.01            | -11.13      |
|           |          | 2685.0          | -3.60           | 1 / 11         | 25.35                 | 21.75        | 0.150    | 33.01            | -11.26      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 1          | 24.89                 | 21.29        | 0.134    | 33.01            | -11.74      |
|           | 64-QAM   | 2501.0          | -3.60           | 1 / 22         | 23.37                 | 19.77        | 0.095    | 33.01            | -13.24      |
|           | 256-QAM  | 2501.0          | -3.60           | 1 / 11         | 21.15                 | 17.55        | 0.067    | 33.01            | -15.46      |
| 15 MHz    | π/2 BPSK | 2503.5          | -3.60           | 1 / 36         | 25.47                 | 21.87        | 0.154    | 33.01            | -11.14      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.64                 | <b>22.04</b> | 0.160    | 33.01            | -10.97      |
|           |          | 2682.5          | -3.60           | 1 / 36         | 25.43                 | 21.83        | 0.152    | 33.01            | -11.18      |
|           | QPSK     | 2503.5          | -3.60           | 1 / 36         | 25.51                 | 21.91        | 0.155    | 33.01            | -11.10      |
|           |          | 2593.0          | -3.60           | 1 / 36         | 25.63                 | <b>22.03</b> | 0.160    | 33.01            | -10.98      |
|           |          | 2682.5          | -3.60           | 1 / 36         | 25.44                 | 21.84        | 0.153    | 33.01            | -11.17      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 36         | 24.92                 | 21.32        | 0.135    | 33.01            | -11.69      |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 36         | 23.28                 | 19.68        | 0.093    | 33.01            | -13.33      |
|           | 256-QAM  | 2503.5          | -3.60           | 1 / 19         | 21.21                 | 17.61        | 0.058    | 33.01            | -15.40      |
| 20 MHz    | π/2 BPSK | 2506.0          | -3.60           | 1 / 1          | 25.70                 | 22.10        | 0.162    | 33.01            | -10.91      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.42                 | 21.82        | 0.152    | 33.01            | -11.19      |
|           |          | 2680.0          | -3.60           | 1 / 1          | 25.48                 | 21.88        | 0.154    | 33.01            | -11.13      |
|           | QPSK     | 2506.0          | -3.60           | 1 / 25         | 25.69                 | 22.09        | 0.162    | 33.01            | -10.92      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.44                 | 21.84        | 0.153    | 33.01            | -11.17      |
|           |          | 2680.0          | -3.60           | 1 / 1          | 25.47                 | 21.87        | 0.154    | 33.01            | -11.14      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 1          | 24.76                 | 21.16        | 0.131    | 33.01            | -11.85      |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 1          | 23.32                 | 19.72        | 0.094    | 33.01            | -13.29      |
|           | 256-QAM  | 2593.0          | -3.60           | 1 / 1          | 20.90                 | 17.50        | 0.064    | 33.01            | -15.71      |
| 30 MHz    | π/2 BPSK | 2511.0          | -3.60           | 1 / 39         | 25.67                 | 22.07        | 0.161    | 33.01            | -10.94      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.52                 | 21.92        | 0.156    | 33.01            | -11.09      |
|           |          | 2675.0          | -3.60           | 1 / 1          | 25.62                 | <b>22.02</b> | 0.159    | 33.01            | -10.99      |
|           | QPSK     | 2511.0          | -3.60           | 1 / 39         | 25.70                 | 22.10        | 0.162    | 33.01            | -10.91      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.55                 | 21.95        | 0.157    | 33.01            | -11.06      |
|           |          | 2675.0          | -3.60           | 1 / 1          | 25.63                 | 22.03        | 0.159    | 33.01            | -10.98      |
|           | 16-QAM   | 2675.0          | -3.60           | 1 / 39         | 24.86                 | 21.26        | 0.134    | 33.01            | -11.75      |
|           | 64-QAM   | 2675.0          | -3.60           | 1 / 39         | 23.11                 | 19.51        | 0.089    | 33.01            | -13.50      |
|           | 256-QAM  | 2675.0          | -3.60           | 1 / 39         | 21.11                 | 17.51        | 0.056    | 33.01            | -15.50      |
| 40 MHz    | π/2 BPSK | 2516.0          | -3.60           | 1 / 1          | 25.69                 | 22.09        | 0.162    | 33.01            | -10.92      |
|           |          | 2593.0          | -3.60           | 1 / 53         | 25.41                 | 21.81        | 0.152    | 33.01            | -11.20      |
|           |          | 2670.0          | -3.60           | 1 / 1          | 25.67                 | <b>22.07</b> | 0.161    | 33.01            | -10.94      |
|           | QPSK     | 2516.0          | -3.60           | 1 / 104        | 25.45                 | 21.85        | 0.153    | 33.01            | -11.16      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.48                 | 21.88        | 0.154    | 33.01            | -11.13      |
|           |          | 2670.0          | -3.60           | 1 / 1          | 25.68                 | 22.08        | 0.161    | 33.01            | -10.93      |
|           | 16-QAM   | 2670.0          | -3.60           | 1 / 1          | 24.64                 | 21.04        | 0.127    | 33.01            | -11.97      |
|           | 64-QAM   | 2670.0          | -3.60           | 1 / 1          | 23.06                 | 19.46        | 0.088    | 33.01            | -13.56      |
|           | 256-QAM  | 2670.0          | -3.60           | 1 / 1          | 21.16                 | 17.56        | 0.057    | 33.01            | -15.45      |
| 50 MHz    | π/2 BPSK | 2521.0          | -3.60           | 1 / 131        | 25.64                 | 22.04        | 0.160    | 33.01            | -10.97      |
|           |          | 2593.0          | -3.60           | 1 / 66         | 25.38                 | 21.78        | 0.151    | 33.01            | -11.23      |
|           |          | 2665.0          | -3.60           | 1 / 1          | 25.39                 | 21.79        | 0.151    | 33.01            | -11.22      |
|           | QPSK     | 2521.0          | -3.60           | 1 / 66         | 25.47                 | 21.87        | 0.154    | 33.01            | -11.14      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.37                 | 21.77        | 0.150    | 33.01            | -11.24      |
|           |          | 2665.0          | -3.60           | 1 / 1          | 25.48                 | <b>21.88</b> | 0.154    | 33.01            | -11.13      |
|           | 16-QAM   | 2665.0          | -3.60           | 1 / 1          | 24.57                 | 20.97        | 0.125    | 33.01            | -12.04      |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 1          | 23.26                 | 19.66        | 0.093    | 33.01            | -13.35      |
|           | 256-QAM  | 2665.0          | -3.60           | 1 / 66         | 20.86                 | 17.26        | 0.053    | 33.01            | -15.75      |
| 60 MHz    | π/2 BPSK | 2526.0          | -3.60           | 1 / 160        | 25.49                 | 21.89        | 0.155    | 33.01            | -11.12      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.44                 | <b>21.84</b> | 0.153    | 33.01            | -11.18      |
|           |          | 2660.0          | -3.60           | 1 / 1          | 25.25                 | 21.65        | 0.146    | 33.01            | -11.36      |
|           | QPSK     | 2526.0          | -3.60           | 1 / 160        | 25.70                 | 22.10        | 0.162    | 33.01            | -10.91      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.37                 | 21.77        | 0.150    | 33.01            | -11.24      |
|           |          | 2660.0          | -3.60           | 1 / 81         | 25.29                 | 21.69        | 0.148    | 33.01            | -11.32      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 81         | 24.81                 | 21.21        | 0.132    | 33.01            | -11.80      |
|           | 64-QAM   | 2660.0          | -3.60           | 1 / 1          | 23.19                 | 19.59        | 0.091    | 33.01            | -13.42      |
|           | 256-QAM  | 2593.0          | -3.60           | 1 / 81         | 20.97                 | 17.37        | 0.055    | 33.01            | -15.64      |
| 70 MHz    | π/2 BPSK | 2531.0          | -3.60           | 1 / 1          | 25.66                 | 22.06        | 0.161    | 33.01            | -10.95      |
|           |          | 2593.0          | -3.60           | 1 / 81         | 25.32                 | 21.72        | 0.148    | 33.01            | -11.29      |
|           |          | 2660.0          | -3.60           | 1 / 1          | 25.32                 | 21.72        | 0.149    | 33.01            | -11.29      |
|           | QPSK     | 2531.0          | -3.60           | 1 / 1          | 25.59                 | 21.99        | 0.158    | 33.01            | -11.02      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.45                 | 21.85        | 0.153    | 33.01            | -11.16      |
|           |          | 2660.0          | -3.60           | 1 / 1          | 25.31                 | 21.71        | 0.148    | 33.01            | -11.30      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 1          | 24.64                 | 21.04        | 0.127    | 33.01            | -11.97      |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 81         | 23.29                 | 19.69        | 0.093    | 33.01            | -13.32      |
|           | 256-QAM  | 2660.0          | -3.60           | 1 / 1          | 21.02                 | 17.42        | 0.055    | 33.01            | -15.59      |
| 80 MHz    | π/2 BPSK | 2536.0          | -3.60           | 1 / 215        | 25.52                 | 21.92        | 0.156    | 33.01            | -11.09      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.37                 | 21.77        | 0.150    | 33.01            | -11.24      |
|           |          | 2650.0          | -3.60           | 1 / 1          | 25.31                 | 21.71        | 0.148    | 33.01            | -11.30      |
|           | QPSK     | 2536.0          | -3.60           | 1 / 1          | 25.70                 | 22.10        | 0.162    | 33.01            | -10.91      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.47                 | <b>21.87</b> | 0.154    | 33.01            | -11.14      |
|           |          | 2650.0          | -3.60           | 1 / 1          | 25.41                 | 21.81        | 0.152    | 33.01            | -11.20      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 1          | 24.55                 | 20.95        | 0.125    | 33.01            | -12.06      |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 108        | 23.20                 | 19.60        | 0.091    | 33.01            | -13.41      |
|           | 256-QAM  | 2536.0          | -3.60           | 1 / 1          | 20.83                 | 17.23        | 0.053    | 33.01            | -15.78      |
| 90 MHz    | π/2 BPSK | 2541.0          | -3.60           | 1 / 243        | 25.62                 | 22.02        | 0.159    | 33.01            | -10.99      |
|           |          | 2593.0          | -3.60           | 1 / 122        | 25.38                 | 21.78        | 0.151    | 33.01            | -11.23      |
|           |          | 2645.0          | -3.60           | 1 / 1          | 25.28                 | 21.68        | 0.147    | 33.01            | -11.33      |
|           | QPSK     | 2541.0          | -3.60           | 1 / 1          | 25.68                 | 22.08        | 0.161    | 33.01            | -10.93      |
|           |          | 2593.0          | -3.60           | 1 / 122        | 25.37                 | 21.77        | 0.150    | 33.01            | -11.24      |
|           |          | 2645.0          | -3.60           | 1 / 1          | 25.41                 | 21.61        | 0.152    | 33.01            | -11.20      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 122        | 24.75                 | 21.15        | 0.130    | 33.01            | -11.86      |
|           | 64-QAM   | 2645.0          | -3.60           | 1 / 1          | 23.08                 | 19.48        | 0.089    | 33.01            | -13.53      |
|           | 256-QAM  | 2541.0          | -3.60           | 1 / 1          | 20.81                 | 17.21        | 0.053    | 33.01            | -15.80      |
| 100 MHz   | π/2 BPSK | 2546.0          | -3.60           | 1 / 1          | 25.64                 | 22.04        | 0.160    | 33.01            | -10.97      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.60                 | <b>22.00</b> | 0.159    | 33.01            | -11.01      |
|           |          | 2640.0          | -3.60           | 1 / 1          | 25.42                 | 21.82        | 0.152    | 33.01            | -11.19      |
|           | QPSK     | 2546.0          | -3.60           | 1 / 1          | 25.66                 | 22.06        | 0.161    | 33.01            | -10.95      |
|           |          | 2593.0          | -3.60           | 1 / 1          | 25.52                 | 21.92        | 0.156    | 33.01            | -11.09      |
|           |          | 2640.0          | -3.60           | 1 / 1          | 25.47                 | 21.87        | 0.154    | 33.01            | -11.14      |
|           | 16-QAM   | 2593.0          | -3.60           | 1 / 1          | 24.60                 | 21.00        | 0.126    | 33.01            | -12.01      |
|           | 64-QAM   | 2593.0          | -3.60           | 1 / 1          | 22.99                 | 19.39        | 0.087    | 33.01            | -13.62      |
|           | 256-QAM  | 2640.0          | -3.60           | 1 / 271        | 20.78                 | 17.18        | 0.052    | 33.01            | -15.83      |

Table 7-43. Antenna 1b EIRP Data (NR Band n41(PC3))

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 518 of 572                   |

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## ULCA LTE Band 7

| Power State | Band   | Bandwidth (PCC + SCC) | PCC        |            |           |         |              | SCC        |            |           |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |       |        |
|-------------|--------|-----------------------|------------|------------|-----------|---------|--------------|------------|------------|-----------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|-------|--------|
|             |        |                       | Modulation | UL Channel | UL        | UL # RB | UL RB Offset | Modulation | UL Channel | UL        | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |       |        |
|             |        |                       |            |            | Frequency |         |              |            |            | Frequency |         |              |                      |                 |            |          |                  |             |       |        |
| Max         | LTE B7 | 20MHz + 20MHz         | QPSK       | 20850      | 2510.0    | 1       | 99           | QPSK       | 21048      | 2529.8    | 1       | 0            | 23.20                | -2.50           | 20.70      | 0.117    | 33.01            | -12.31      |       |        |
|             |        |                       |            | 21100      | 2535.0    | 1       | 99           |            | 21298      | 2549.8    | 1       | 0            | 23.12                | -2.50           | 20.62      | 0.115    | 33.01            | -12.39      |       |        |
|             |        |                       |            | 21350      | 2560.0    | 1       | 0            |            | 21152      | 2540.2    | 1       | 99           | 23.06                | -2.50           | 20.56      | 0.114    | 33.01            | -12.45      |       |        |
|             |        |                       | QPSK       | 20850      | 2510      | 100     | 0            | QPSK       | 21048      | 2529.8    | 100     | 0            | 23.19                | -2.50           | 20.69      | 0.117    | 33.01            | -12.32      |       |        |
|             |        |                       |            | 16-QAM     | 20850     | 2510    | 100          |            | 0          | 16-QAM    | 21048   | 2529.8       | 100                  | 0               | 22.79      | -2.50    | 20.29            | 0.107       | 33.01 | -12.72 |
|             |        |                       |            | 64-QAM     | 20850     | 2510    | 100          |            | 0          | 64-QAM    | 21048   | 2529.8       | 100                  | 0               | 22.57      | -2.50    | 20.07            | 0.102       | 33.01 | -12.94 |
|             |        |                       | 256-QAM    | 20850      | 2510      | 100     | 0            | 256-QAM    | 21048      | 2529.8    | 100     | 0            | 22.18                | -2.50           | 19.68      | 0.093    | 33.01            | -13.33      |       |        |
|             |        |                       |            | 20850      | 2510      | 100     | 0            |            | 21048      | 2529.8    | 100     | 0            | 22.18                | -2.50           | 19.68      | 0.093    | 33.01            | -13.33      |       |        |

Table 7-44. Antenna 1b EIRP Data (ULCA LTE Band 7)

## ULCA LTE Band 41(PC2)

| Power State | Band          | Bandwidth (PCC + SCC) | PCC        |            |              |         |              | SCC        |            |              |         |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |       |        |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|-------|--------|
|             |               |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset |                      |                 |            |          |                  |             |       |        |
| Max         | LTE B41 (PC2) | 20MHz + 20MHz         | QPSK       | 39750      | 2506.0       | 1       | 99           | QPSK       | 39948      | 2525.8       | 1       | 0            | 27.07                | -3.60           | 23.47      | 0.222    | 33.01            | -9.54       |       |        |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1       | 0            | 26.96                | -3.60           | 23.36      | 0.217    | 33.01            | -9.65       |       |        |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1       | 99           | 27.04                | -3.60           | 23.44      | 0.221    | 33.01            | -9.57       |       |        |
|             |               |                       | QPSK       | 39750      | 2506         | 100     | 0            | QPSK       | 39948      | 2525.8       | 100     | 0            | 26.05                | -3.60           | 22.45      | 0.176    | 33.01            | -10.56      |       |        |
|             |               |                       |            | 16-QAM     | 39750        | 2506    | 100          |            | 0          | 16-QAM       | 39948   | 2525.8       | 100                  | 0               | 25.57      | -3.60    | 21.97            | 0.157       | 33.01 | -11.04 |
|             |               |                       |            | 64-QAM     | 39750        | 2506    | 100          |            | 0          | 64-QAM       | 39948   | 2525.8       | 100                  | 0               | 23.96      | -3.60    | 20.36            | 0.109       | 33.01 | -12.65 |
|             |               |                       | 256-QAM    | 39750      | 2506         | 100     | 0            | 256-QAM    | 39948      | 2525.8       | 100     | 0            | 22.35                | -3.60           | 18.75      | 0.075    | 33.01            | -14.26      |       |        |
|             |               |                       |            | 39750      | 2506         | 100     | 0            |            | 39948      | 2525.8       | 100     | 0            | 22.35                | -3.60           | 18.75      | 0.075    | 33.01            | -14.26      |       |        |

Table 7-45. Antenna 1b EIRP Data (ULCA LTE Band 41 (PC2))

## ULCA LTE Band 41(PC3)

| Power State | Band          | Bandwidth (PCC + SCC) | PCC        |            |              |         | SCC          |            |            |              | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [W] | EIRP Limit [dBm] | Margin [dB] |         |              |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|----------------------|-----------------|------------|----------|------------------|-------------|---------|--------------|
|             |               |                       | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency |                      |                 |            |          |                  |             | UL # RB | UL RB Offset |
| Max         | LTE B41 (PC3) | 20MHz + 20MHz         | QPSK       | 39750      | 2506.0       | 1       | 99           | QPSK       | 39948      | 2525.8       | 1                    | 0               | 25.38      | -3.60    | 21.78            | 0.151       | 33.01   | -11.23       |
|             |               |                       | 40620      | 2593.0     | 1            | 99      | 40818        | 2612.8     | 1          | 0            | 25.26                | -3.60           | 21.66      | 0.147    | 33.01            | -11.35      |         |              |
|             |               |                       | 41490      | 2680.0     | 1            | 0       | 41292        | 2660.2     | 1          | 99           | 25.36                | -3.60           | 21.76      | 0.150    | 33.01            | -11.25      |         |              |
|             |               |                       | QPSK       | 39750      | 2506         | 100     | 0            | QPSK       | 39948      | 2525.8       | 100                  | 0               | 23.21      | -3.60    | 19.61            | 0.091       | 33.01   | -13.40       |
|             |               |                       | 16-QAM     | 39750      | 2506         | 100     | 0            | 16-QAM     | 39948      | 2525.8       | 100                  | 0               | 22.27      | -3.60    | 18.67            | 0.074       | 33.01   | -14.34       |
|             |               |                       | 64-QAM     | 39750      | 2506         | 100     | 0            | 64-QAM     | 39948      | 2525.8       | 100                  | 0               | 22.16      | -3.60    | 18.56            | 0.072       | 33.01   | -14.45       |
|             |               |                       | 256-QAM    | 39750      | 2506         | 100     | 0            | 256-QAM    | 39948      | 2525.8       | 100                  | 0               | 20.26      | -3.60    | 16.66            | 0.046       | 33.01   | -16.35       |
|             |               |                       | 39750      | 2506       | 100          | 0       | 39948        | 2525.8     | 100        | 0            | 20.26                | -3.60           | 16.66      | 0.046    | 33.01            | -16.35      |         |              |

Table 7-46. Antenna 1b EIRP Data (ULCA LTE Band 41 (PC3))

|                                            |                                                                                     |                            |  |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2903                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                               | EUT Type:<br>Tablet Device |  | Page 519 of 572                   |

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## 7.7 Radiated Spurious Emissions

§2.1053, 27.53(a), 27.53(m)

### Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.

### Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

### Test Settings

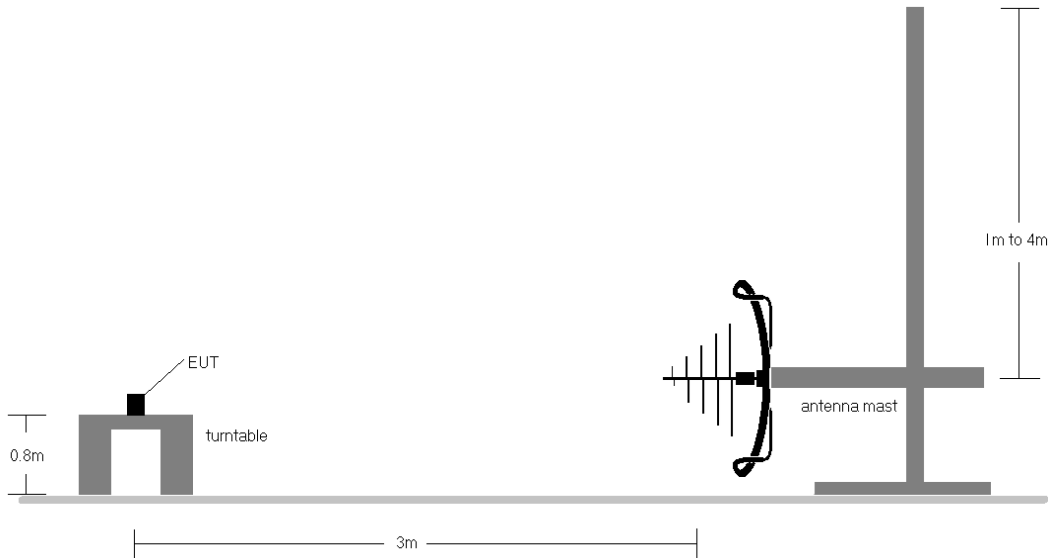
1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW  $\geq 3 \times$  RBW
3. Span = 1.5 times the OBW
4. No. of sweep points  $\geq 2 \times$  span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

|                                            |                                                                                                                |                            |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  PART 27 MEASUREMENT REPORT |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                          | EUT Type:<br>Tablet Device | Page 520 of 572                   |

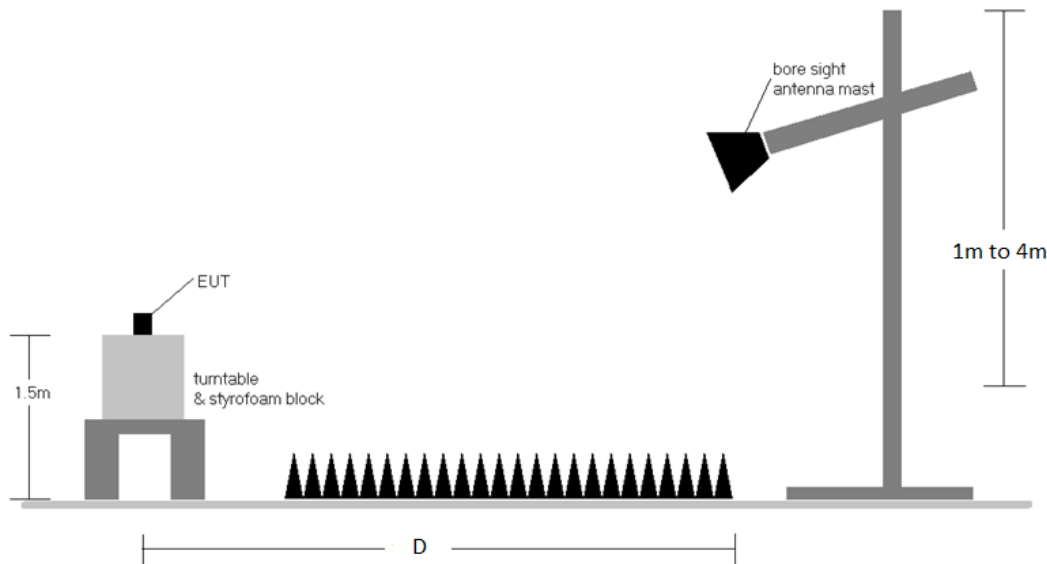
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**Test Setup**

The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-6. Test Instrument & Measurement Setup < 1GHz**



**Figure 7-7. Test Instrument & Measurement Setup >1 GHz**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 521 of 572                   |

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## Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
  - a.  $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
  - b.  $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$ ; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. Uplink carrier aggregation intra-band radiated spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. The worst case (highest) emissions were found while operating with QPSK modulation with both carriers set to transmit using 1RB.
8. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
9. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
10. Uplink carrier aggregation inter-band emission was investigated and found to not be the worst case.
11. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
12. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.
13. For LTE Band 30 pre-scans above 1GHz, the RBW is set to 1MHz and VBW to 30kHz. For final measurements above 1GHz, the RBW is set to 1MHz and VBW to 3MHz when measuring with an RMS detector and trace averaging.
14. Pre-scan plots have been reported for the highest power antenna while measurements have been reported for all antennas.

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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## 7.7.1 Antenna 4 Radiated Spurious Emission Measurements

### LTE Band 30

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2307.5 |
| RB / Offset:     | 1 / 12 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4615.0          | V               | 291                 | 236                        | -75.77               | 5.02        | 36.25                   | -58.98                             | -40.00      | -18.98      |
| 6922.5          | V               | -                   | -                          | -79.64               | 8.26        | 35.62                   | -59.61                             | -40.00      | -19.61      |
| 9230.0          | V               | -                   | -                          | -80.45               | 9.43        | 35.98                   | -59.25                             | -40.00      | -19.25      |
| 11537.5         | V               | -                   | -                          | -80.95               | 12.11       | 38.16                   | -57.07                             | -40.00      | -17.07      |

Table 7-47. Radiated Spurious Data (LTE Band 30 – Low Channel)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 2310.0 |
| RB / Offset:     | 1 / 25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4620.0          | V               | 326                 | 231                        | -75.64               | 5.03        | 36.39                   | -58.84                             | -40.00      | -18.84      |
| 6930.0          | V               | -                   | -                          | -79.65               | 8.21        | 35.56                   | -59.67                             | -40.00      | -19.67      |
| 9240.0          | V               | -                   | -                          | -80.57               | 9.37        | 35.80                   | -59.43                             | -40.00      | -19.43      |
| 11550.0         | V               | -                   | -                          | -81.14               | 12.11       | 37.97                   | -57.26                             | -40.00      | -17.26      |

Table 7-48. Radiated Spurious Data (LTE Band 30 – Mid Channel)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2312.5 |
| RB / Offset:     | 1 / 12 |

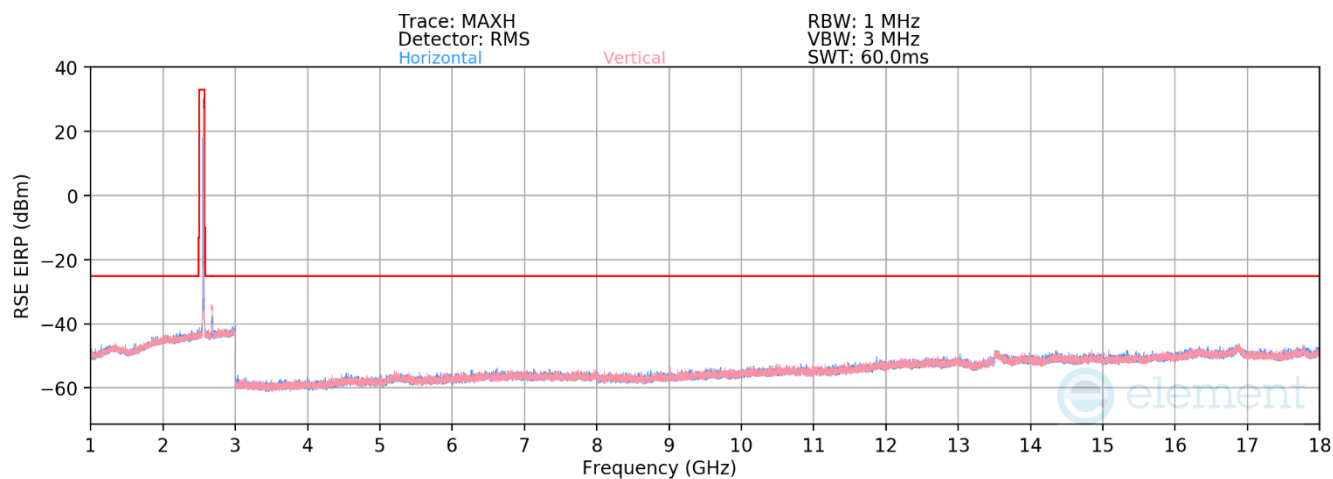
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4625.00         | V               | 305                 | 228                        | -74.83               | 5.09        | 37.26                   | -57.97                             | -40.00      | -17.97      |
| 6937.50         | V               | -                   | -                          | -79.52               | 8.18        | 35.66                   | -59.57                             | -40.00      | -19.57      |
| 9250.00         | V               | -                   | -                          | -80.54               | 9.31        | 35.77                   | -59.46                             | -40.00      | -19.46      |
| 11562.50        | V               | -                   | -                          | -81.11               | 12.12       | 38.01                   | -57.22                             | -40.00      | -17.22      |

Table 7-49. Radiated Spurious Data (LTE Band 30 – High Channel)

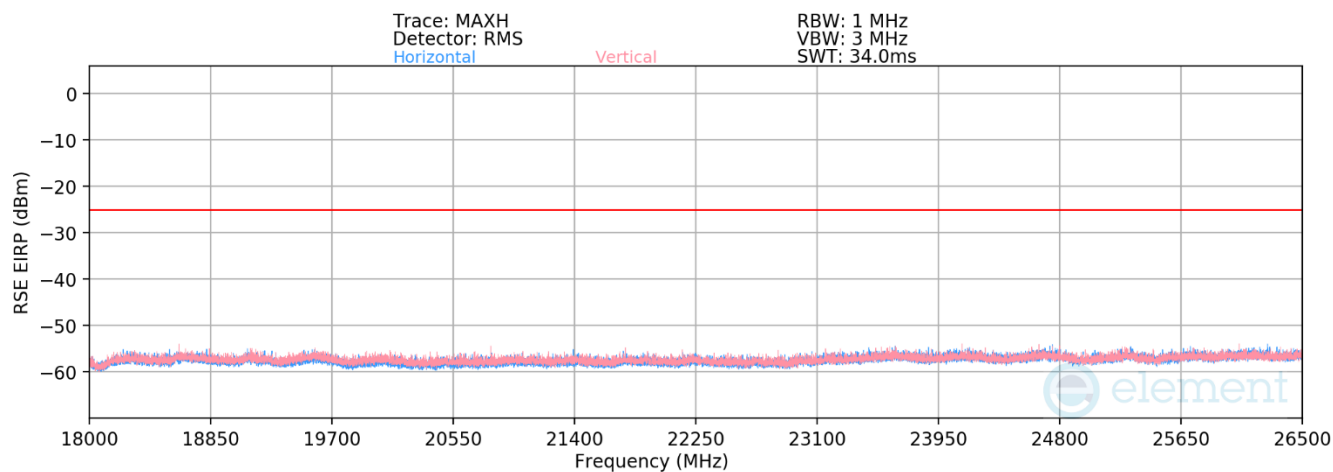
|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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## LTE Band 7



**Plot 7-907. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)**



**Plot 7-908. Antenna 4 Radiated Spurious Emission above 18GHz (LTE Band 7, Pol. H/V)**

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2510.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5020.0          | H               | 150                 | 159                        | -77.39               | 4.94        | 34.55                   | -60.71                             | -25.00      | -35.71      |
| 7530.0          | H               | -                   | -                          | -82.33               | 8.49        | 33.16                   | -62.10                             | -25.00      | -37.10      |
| 10040.0         | H               | -                   | -                          | -82.54               | 10.39       | 34.85                   | -60.41                             | -25.00      | -35.41      |
| 12550.0         | H               | -                   | -                          | -83.64               | 14.12       | 37.48                   | -57.78                             | -25.00      | -32.78      |

**Table 7-50. Radiated Spurious Data (LTE Band 7 – Low Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2535.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0          | H               | 145                 | 149                        | -78.94               | 5.27        | 33.33                   | -61.93                             | -25.00      | -36.93      |
| 7605.0          | H               | -                   | -                          | -82.34               | 8.61        | 33.27                   | -61.99                             | -25.00      | -36.99      |
| 10140.0         | H               | -                   | -                          | -82.82               | 10.83       | 35.01                   | -60.25                             | -25.00      | -35.25      |
| 12675.0         | H               | -                   | -                          | -83.59               | 14.34       | 37.75                   | -57.51                             | -25.00      | -32.51      |

**Table 7-51. Radiated Spurious Data (LTE Band 7 – Mid Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2560.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5120.00         | H               | 156                 | 153                        | -76.77               | 5.34        | 35.57                   | -59.69                             | -25.00      | -34.69      |
| 7680.00         | H               | -                   | -                          | -82.27               | 8.56        | 33.29                   | -61.97                             | -25.00      | -36.97      |
| 10240.00        | H               | -                   | -                          | -82.75               | 10.70       | 34.95                   | -60.31                             | -25.00      | -35.31      |
| 12800.00        | H               | -                   | -                          | -84.43               | 14.85       | 37.42                   | -57.84                             | -25.00      | -32.84      |

**Table 7-52. Radiated Spurious Data (LTE Band 7 – High Channel)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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## LTE Band 41

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2506.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.0          | V               | -                   | -                          | -75.48               | 2.57        | 34.09                   | -61.17                             | -25.00      | -36.17      |
| 7518.0          | V               | 263                 | 227                        | -73.05               | 4.45        | 38.40                   | -56.86                             | -25.00      | -31.86      |
| 10024.0         | V               | -                   | -                          | -77.17               | 5.24        | 35.07                   | -60.18                             | -25.00      | -35.18      |
| 12530.0         | V               | -                   | -                          | -79.57               | 9.77        | 37.20                   | -58.05                             | -25.00      | -33.05      |
| 15036.0         | V               | -                   | -                          | -80.02               | 11.63       | 38.61                   | -56.65                             | -25.00      | -31.65      |

**Table 7-53. Radiated Spurious Data (LTE Band 41 – Low Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.0          | V               | -                   | -                          | -76.73               | 3.78        | 34.05                   | -61.21                             | -25.00      | -36.21      |
| 7779.0          | V               | 265                 | 224                        | -71.83               | 3.99        | 39.16                   | -56.10                             | -25.00      | -31.10      |
| 10372.0         | V               | -                   | -                          | -77.96               | 5.95        | 34.99                   | -60.26                             | -25.00      | -35.26      |
| 12965.0         | V               | -                   | -                          | -80.23               | 10.67       | 37.44                   | -57.82                             | -25.00      | -32.82      |
| 15558.0         | V               | -                   | -                          | -80.96               | 13.01       | 39.05                   | -56.21                             | -25.00      | -31.21      |

**Table 7-54. Radiated Spurious Data (LTE Band 41 – Mid Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2680.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.0          | V               | -                   | -                          | -76.98               | 3.44        | 33.46                   | -61.80                             | -25.00      | -36.80      |
| 8040.0          | V               | -                   | -                          | -76.21               | 3.85        | 34.64                   | -60.62                             | -25.00      | -35.62      |
| 10720.0         | V               | -                   | -                          | -77.96               | 6.95        | 35.99                   | -59.27                             | -25.00      | -34.27      |

**Table 7-55. Radiated Spurious Data (LTE Band 41 – High Channel)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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## NR Band n30

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2307.5 |
| RB / Offset:     | 1 / 12 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4615.0          | V               | -                   | -                          | -78.69               | 5.02        | 33.33                   | -61.93                             | -40.00      | -21.93      |
| 6922.5          | V               | -                   | -                          | -79.22               | 8.26        | 36.04                   | -59.22                             | -40.00      | -19.22      |
| 9230.0          | V               | -                   | -                          | -80.30               | 9.43        | 36.13                   | -59.13                             | -40.00      | -19.13      |

**Table 7-56. Radiated Spurious Data (NR Band n30 – Low Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 2310.0 |
| RB / Offset:     | 1 / 25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4620.0          | V               | -                   | -                          | -79.07               | 5.03        | 32.96                   | -62.30                             | -40.00      | -22.30      |
| 6930.0          | V               | -                   | -                          | -79.16               | 8.21        | 36.05                   | -59.21                             | -40.00      | -19.21      |
| 9240.0          | V               | -                   | -                          | -79.87               | 9.37        | 36.50                   | -58.75                             | -40.00      | -18.75      |

**Table 7-57. Radiated Spurious Data (NR Band n30 – Mid Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2312.5 |
| RB / Offset:     | 1 / 12 |

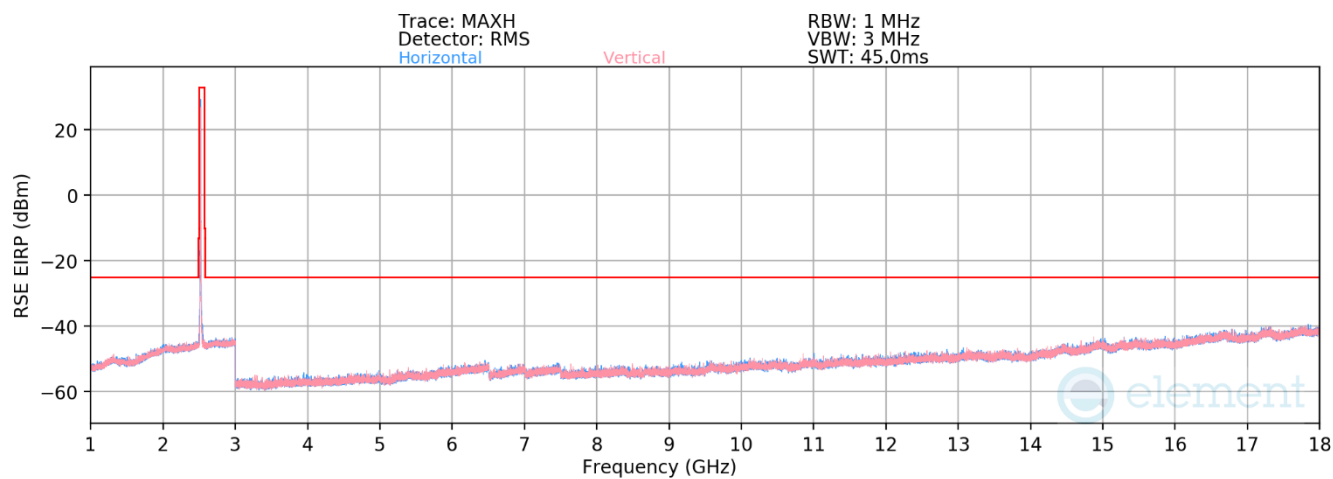
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4625.0          | V               | -                   | -                          | -79.06               | 5.09        | 33.03                   | -62.23                             | -40.00      | -22.23      |
| 6937.5          | V               | -                   | -                          | -79.45               | 8.18        | 35.73                   | -59.53                             | -40.00      | -19.53      |
| 9250.0          | V               | -                   | -                          | -80.43               | 9.31        | 35.88                   | -59.38                             | -40.00      | -19.38      |

**Table 7-58. Radiated Spurious Data (NR Band n30 – High Channel)**

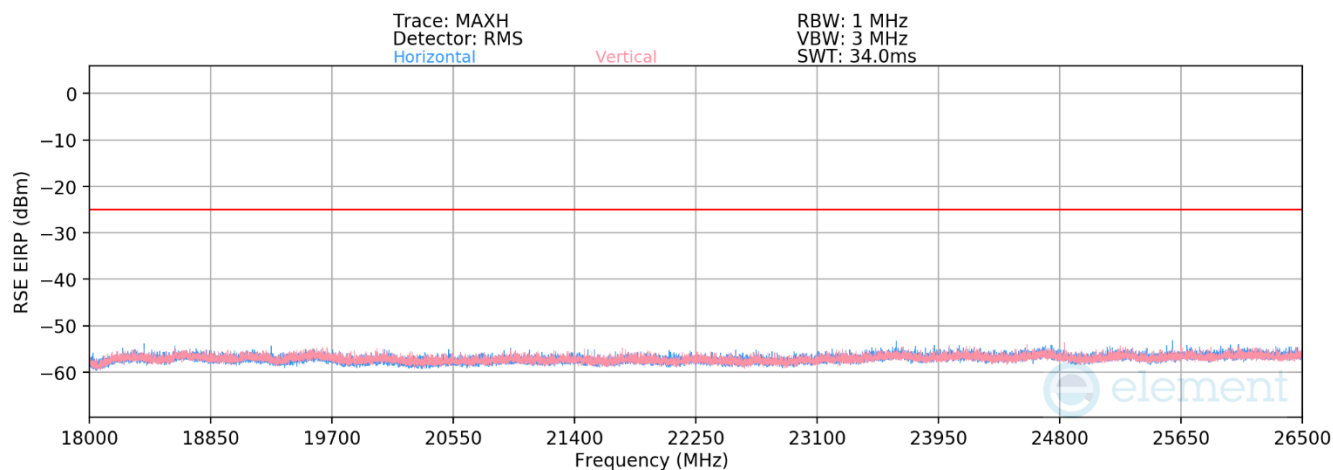
|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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## NR Band n7



**Plot 7-909. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n7)**



**Plot 7-910. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n7, Pol. H/V)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 40      |
| Frequency (MHz): | 2520.0  |
| RB / Offset:     | 1 / 108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5040.0          | V               | 150                 | 151                        | -79.33               | 5.36        | 33.03                   | -62.23                             | -25.00      | -37.23      |
| 7560.0          | V               | 230                 | 145                        | -78.32               | 8.54        | 37.22                   | -58.04                             | -25.00      | -33.04      |
| 10080.0         | V               | -                   | -                          | -80.62               | 10.56       | 36.94                   | -58.32                             | -25.00      | -33.32      |
| 12600.0         | V               | -                   | -                          | -81.23               | 13.62       | 39.39                   | -55.87                             | -25.00      | -30.87      |
| 15120.0         | V               | -                   | -                          | -81.80               | 16.10       | 41.30                   | -53.96                             | -25.00      | -28.96      |

**Table 7-59. Radiated Spurious Data (NR Band n7 – Low Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 40      |
| Frequency (MHz): | 2535.0  |
| RB / Offset:     | 1 / 108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0          | V               | 142                 | 161                        | -79.72               | 5.58        | 32.86                   | -62.40                             | -25.00      | -37.40      |
| 7605.0          | V               | -                   | -                          | -80.87               | 8.52        | 34.65                   | -60.61                             | -25.00      | -35.61      |
| 10140.0         | V               | -                   | -                          | -80.68               | 10.75       | 37.07                   | -58.19                             | -25.00      | -33.19      |
| 12675.0         | V               | -                   | -                          | -81.11               | 13.87       | 39.76                   | -55.50                             | -25.00      | -30.50      |

**Table 7-60. Radiated Spurious Data (NR Band n7 – Mid Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 40      |
| Frequency (MHz): | 2550.0  |
| RB / Offset:     | 1 / 108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5100.0          | V               | 140                 | 146                        | -77.71               | 5.56        | 34.85                   | -60.41                             | -25.00      | -35.41      |
| 7650.0          | V               | 236                 | 156                        | -79.17               | 8.46        | 36.29                   | -58.97                             | -25.00      | -33.97      |
| 10200.0         | V               | -                   | -                          | -80.58               | 10.66       | 37.08                   | -58.18                             | -25.00      | -33.18      |
| 12750.0         | V               | -                   | -                          | -81.71               | 14.05       | 39.34                   | -55.92                             | -25.00      | -30.92      |
| 15300.0         | V               | -                   | -                          | -82.10               | 17.22       | 42.12                   | -53.14                             | -25.00      | -28.14      |

**Table 7-61. Radiated Spurious Data (NR Band n7 – High Channel)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 529 of 572                   |

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## NR Band n41

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.0  |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.0          | V               | 304                 | 230                        | -71.86               | 5.00        | 40.14                   | -55.12                             | -25.00      | -30.12      |
| 7638.0          | V               | -                   | -                          | -79.42               | 8.90        | 36.47                   | -58.78                             | -25.00      | -33.78      |
| 10184.0         | V               | -                   | -                          | -80.13               | 10.91       | 37.78                   | -57.47                             | -25.00      | -32.47      |
| 12730.0         | V               | -                   | -                          | -80.69               | 13.99       | 40.30                   | -54.96                             | -25.00      | -29.96      |

**Table 7-62. Radiated Spurious Data (NR Band n41 – Low Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2593.0  |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.0          | V               | 264                 | 11                         | -73.89               | 4.62        | 37.73                   | -57.53                             | -25.00      | -32.53      |
| 7779.0          | V               | -                   | -                          | -79.88               | 9.40        | 36.52                   | -58.74                             | -25.00      | -33.74      |
| 10372.0         | V               | -                   | -                          | -79.58               | 10.49       | 37.91                   | -57.35                             | -25.00      | -32.35      |
| 12965.0         | V               | -                   | -                          | -80.80               | 14.28       | 40.48                   | -54.78                             | -25.00      | -29.78      |

**Table 7-63. Radiated Spurious Data (NR Band n41 – Mid Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.0  |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.0          | V               | -                   | -                          | -77.33               | 4.95        | 34.62                   | -60.63                             | -25.00      | -35.63      |
| 7920.0          | V               | -                   | -                          | -79.85               | 9.35        | 36.51                   | -58.75                             | -25.00      | -33.75      |
| 10560.0         | V               | -                   | -                          | -79.90               | 11.47       | 38.58                   | -56.68                             | -25.00      | -31.68      |

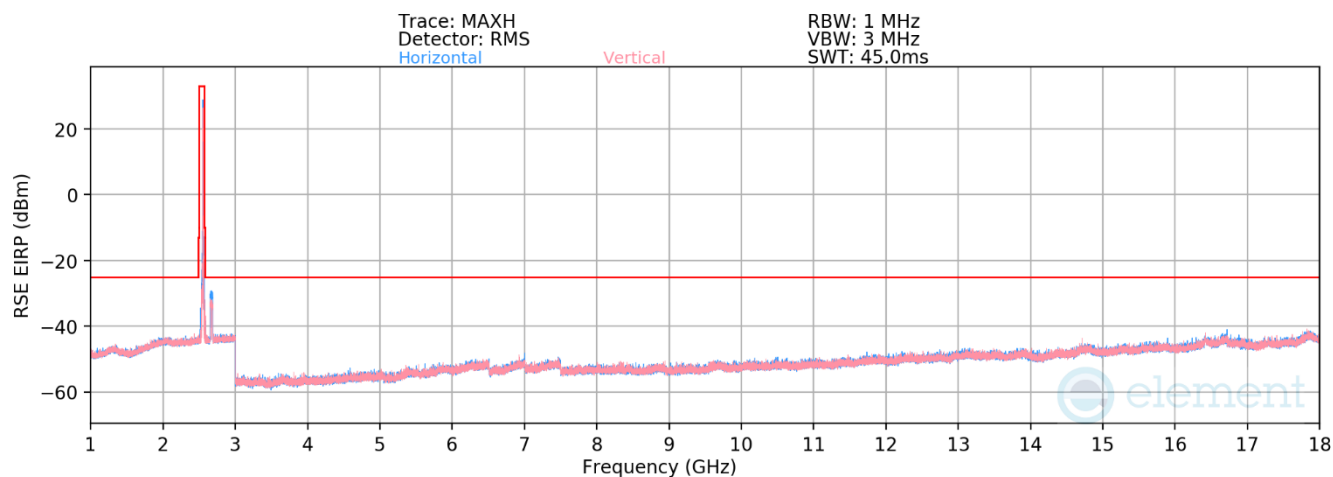
**Table 7-64. Radiated Spurious Data (NR Band n41 – High Channel)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 530 of 572                   |

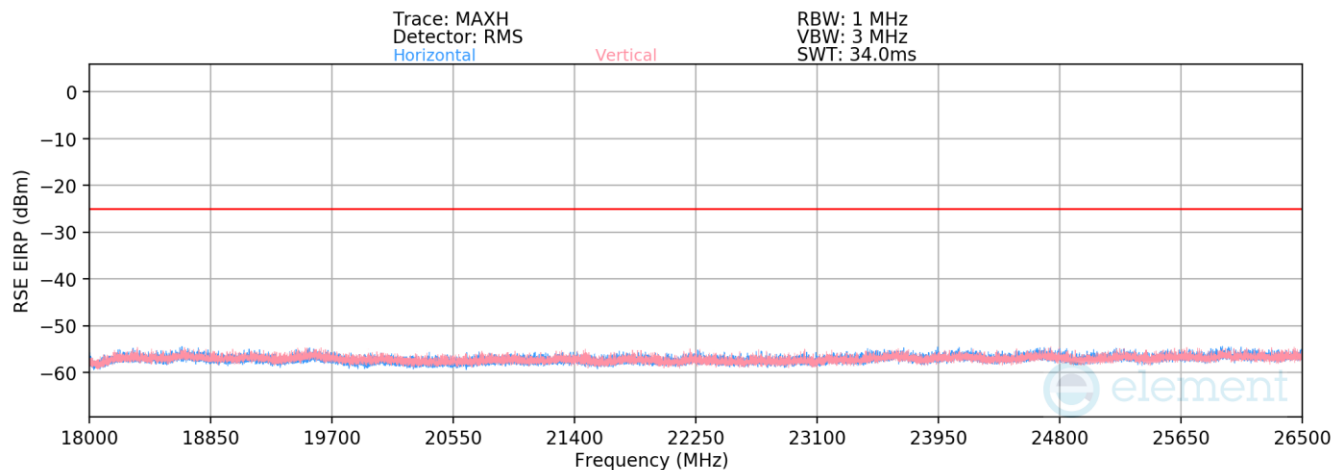
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## ULCA - LTE B7



**Plot 7-911. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE B7)**



**Plot 7-912. Antenna 4 Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. H/V)**

|                                            |                                       |                            |                                   |
|--------------------------------------------|---------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <b>PART 27 MEASUREMENT REPORT</b>     |                            | Approved by:<br>Technical Manager |
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|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 2510.0 |
| PCC RB / Offset:     | 1 / 99 |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 2529.8 |
| SCC RB / Offset:     | 1 / 0  |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5020.0          | H               | -                   | -                          | -78.56               | 4.53        | 32.97                   | -62.28                             | -25.00      | -37.28      |
| 7530.0          | H               | -                   | -                          | -80.94               | 8.47        | 34.53                   | -60.73                             | -25.00      | -35.73      |
| 10040.0         | H               | -                   | -                          | -81.43               | 10.62       | 36.19                   | -59.07                             | -25.00      | -34.07      |
| 12550.0         | H               | -                   | -                          | -82.59               | 13.81       | 38.22                   | -57.03                             | -25.00      | -32.03      |

**Table 7-65. Radiated Spurious Data (ULCA LTE B7 – Low Channel)**

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 2535.0 |
| PCC RB / Offset:     | 1 / 99 |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 2554.8 |
| SCC RB / Offset:     | 1 / 0  |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0          | H               | -                   | -                          | -78.86               | 4.89        | 33.03                   | -62.23                             | -25.00      | -37.23      |
| 7605.0          | H               | -                   | -                          | -81.08               | 8.79        | 34.71                   | -60.55                             | -25.00      | -35.55      |
| 10140.0         | H               | -                   | -                          | -81.21               | 10.66       | 36.45                   | -58.81                             | -25.00      | -33.81      |
| 12675.0         | H               | -                   | -                          | -82.93               | 13.98       | 38.05                   | -57.21                             | -25.00      | -32.21      |

**Table 7-66. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)**

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 2560.0 |
| PCC RB / Offset:     | 1 / 0  |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 2540.2 |
| SCC RB / Offset:     | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5120.0          | H               | -                   | -                          | -78.00               | 4.81        | 33.81                   | -61.45                             | -25.00      | -36.45      |
| 7680.0          | H               | -                   | -                          | -81.06               | 9.15        | 35.09                   | -60.16                             | -25.00      | -35.16      |
| 10240.0         | H               | -                   | -                          | -81.21               | 10.55       | 36.34                   | -58.92                             | -25.00      | -33.92      |
| 12800.0         | H               | -                   | -                          | -80.00               | 13.85       | 40.85                   | -54.41                             | -25.00      | -29.41      |

**Table 7-67. Radiated Spurious Data (ULCA LTE B7 – High Channel)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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## ULCA - LTE B41

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 2506.0 |
| PCC RB / Offset:     | 1 / 99 |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 2525.8 |
| SCC RB / Offset:     | 1 / 0  |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.0          | H               | -                   | -                          | -77.66               | 4.55        | 33.89                   | -61.34                             | -25.00      | -36.34      |
| 7518.0          | H               | -                   | -                          | -79.40               | 8.50        | 36.10                   | -59.13                             | -25.00      | -34.13      |
| 10024.0         | H               | -                   | -                          | -79.58               | 10.60       | 38.02                   | -57.21                             | -25.00      | -32.21      |

Table 7-68. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 2593.0 |
| PCC RB / Offset:     | 1 / 99 |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 2612.8 |
| SCC RB / Offset:     | 1 / 0  |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.0          | H               | -                   | -                          | -77.18               | 4.63        | 34.45                   | -60.78                             | -25.00      | -35.78      |
| 7779.0          | H               | -                   | -                          | -80.15               | 9.36        | 36.21                   | -59.02                             | -25.00      | -34.02      |
| 10372.0         | H               | -                   | -                          | -79.62               | 10.52       | 37.90                   | -57.33                             | -25.00      | -32.33      |

Table 7-69. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 2680.0 |
| PCC RB / Offset:     | 1 / 0  |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 2660.2 |
| SCC RB / Offset:     | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.0          | H               | -                   | -                          | -78.08               | 5.73        | 34.65                   | -60.58                             | -25.00      | -35.58      |
| 8040.0          | H               | -                   | -                          | -79.84               | 9.22        | 36.38                   | -58.85                             | -25.00      | -33.85      |
| 10720.0         | H               | -                   | -                          | -79.95               | 11.06       | 38.11                   | -57.12                             | -25.00      | -32.12      |

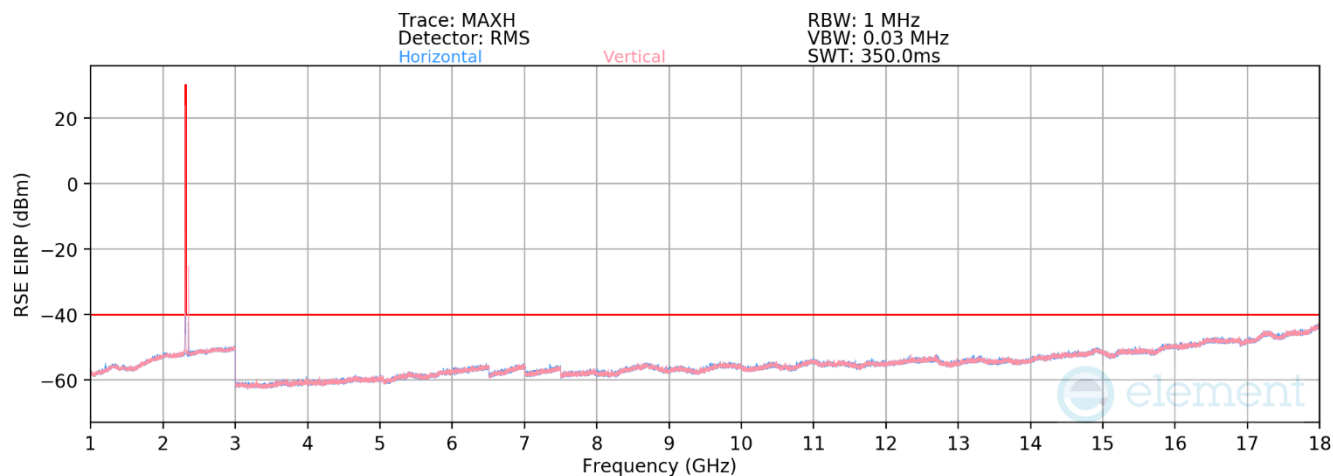
Table 7-70. Radiated Spurious Data (ULCA LTE B41 – High Channel)

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 533 of 572                   |

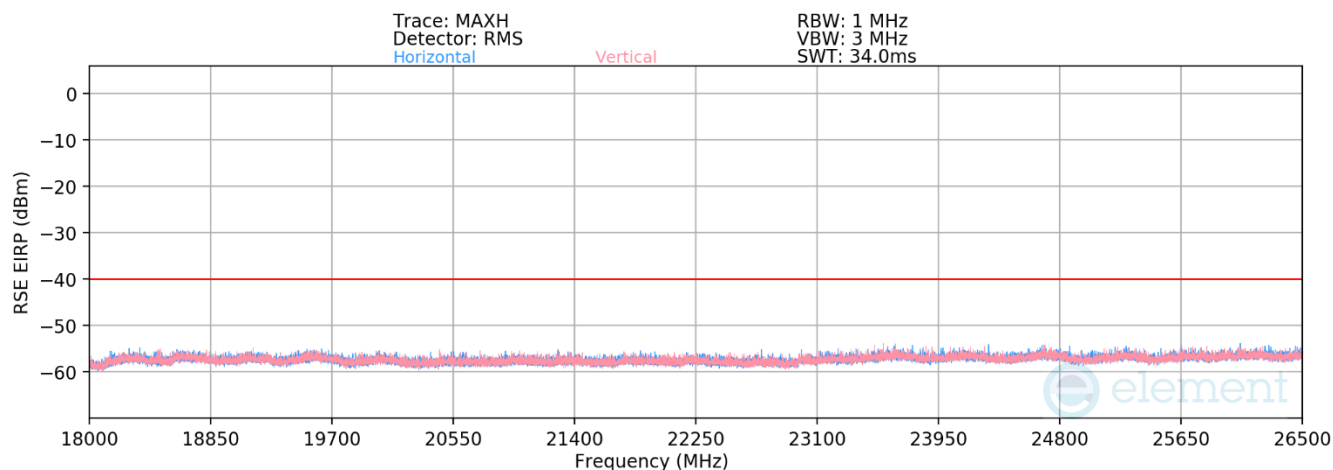
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## 7.7.2 Antenna 2b Radiated Spurious Emission Measurements

### LTE Band 30



Plot 7-913. Antenna 2b Radiated Spurious Plot 1GHz – 18GHz (LTE Band 30)



Plot 7-914. Antenna 2b Radiated Spurious Emission above 18GHz (LTE Band 30, Pol. H/V)

|                                            |                                                  |                            |                                   |
|--------------------------------------------|--------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           | <p>element</p> <p>PART 27 MEASUREMENT REPORT</p> |                            | Approved by:<br>Technical Manager |
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|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2307.5 |
| RB / Offset:     | 1 / 12 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4615.0          | H               | -                   | -                          | -79.16               | 5.02        | 32.86                   | -62.37                             | -40.00      | -22.37      |
| 6922.5          | H               | -                   | -                          | -79.74               | 8.26        | 35.52                   | -59.71                             | -40.00      | -19.71      |
| 9230.0          | H               | -                   | -                          | -80.50               | 9.43        | 35.93                   | -59.30                             | -40.00      | -19.30      |

**Table 7-71. Radiated Spurious Data (LTE Band 30 – Low Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 2310.0 |
| RB / Offset:     | 1 / 25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4620.0          | H               | -                   | -                          | -79.37               | 5.03        | 32.66                   | -62.57                             | -40.00      | -22.57      |
| 6930.0          | H               | -                   | -                          | -79.68               | 8.21        | 35.53                   | -59.70                             | -40.00      | -19.70      |
| 9240.0          | H               | -                   | -                          | -80.54               | 9.37        | 35.83                   | -59.40                             | -40.00      | -19.40      |

**Table 7-72. Radiated Spurious Data (LTE Band 30 – Mid Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2312.5 |
| RB / Offset:     | 1 / 12 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4625.00         | H               | -                   | -                          | -79.42               | 5.09        | 32.67                   | -62.56                             | -40.00      | -22.56      |
| 6937.50         | H               | -                   | -                          | -79.57               | 8.18        | 35.61                   | -59.62                             | -40.00      | -19.62      |
| 9250.00         | H               | -                   | -                          | -80.69               | 9.31        | 35.62                   | -59.61                             | -40.00      | -19.61      |

**Table 7-73. Radiated Spurious Data (LTE Band 30 – High Channel)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
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## LTE Band 7

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2510.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5020.0          | H               | -                   | -                          | -79.34               | 4.94        | 32.60                   | -62.63                             | -25.00      | -37.63      |
| 7530.0          | H               | -                   | -                          | -82.46               | 8.49        | 33.03                   | -62.20                             | -25.00      | -37.20      |
| 10040.0         | H               | -                   | -                          | -82.59               | 10.39       | 34.80                   | -60.43                             | -25.00      | -35.43      |

**Table 7-74. Radiated Spurious Data (LTE Band 7 – Low Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2535.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0          | H               | -                   | -                          | -79.55               | 5.27        | 32.72                   | -62.51                             | -25.00      | -37.51      |
| 7605.0          | H               | -                   | -                          | -82.41               | 8.61        | 33.20                   | -62.03                             | -25.00      | -37.03      |
| 10140.0         | H               | -                   | -                          | -82.82               | 10.83       | 35.01                   | -60.22                             | -25.00      | -35.22      |

**Table 7-75. Radiated Spurious Data (LTE Band 7 – Mid Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2560.0 |
| RB / Offset:     | 1 / 50 |

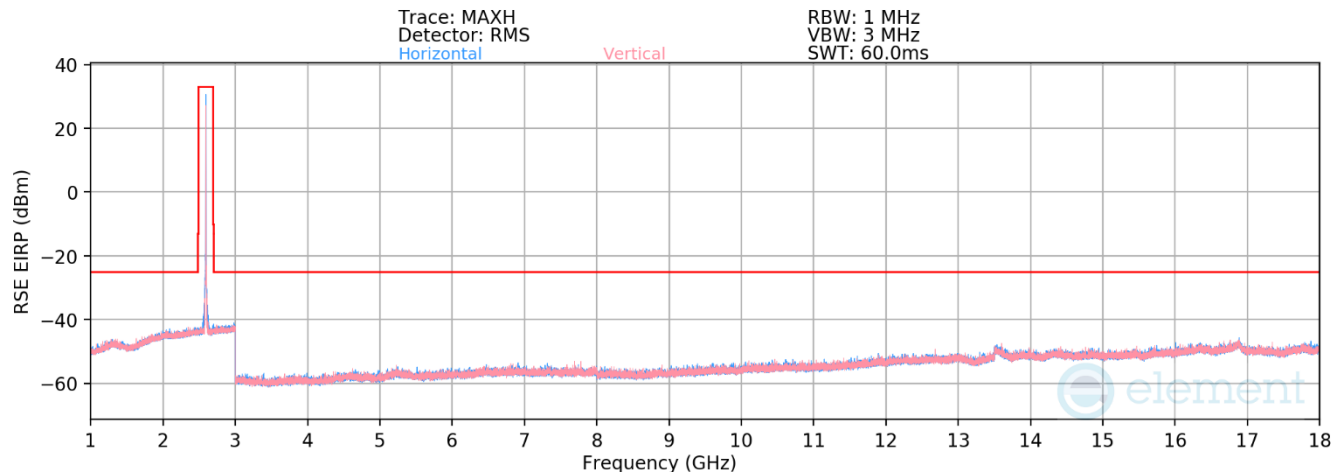
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5120.00         | H               | -                   | -                          | -79.22               | 5.34        | 33.12                   | -62.11                             | -25.00      | -37.11      |
| 7680.00         | H               | -                   | -                          | -82.07               | 8.56        | 33.49                   | -61.74                             | -25.00      | -36.74      |
| 10240.00        | H               | -                   | -                          | -82.78               | 10.70       | 34.92                   | -60.31                             | -25.00      | -35.31      |

**Table 7-76. Radiated Spurious Data (LTE Band 7 – High Channel)**

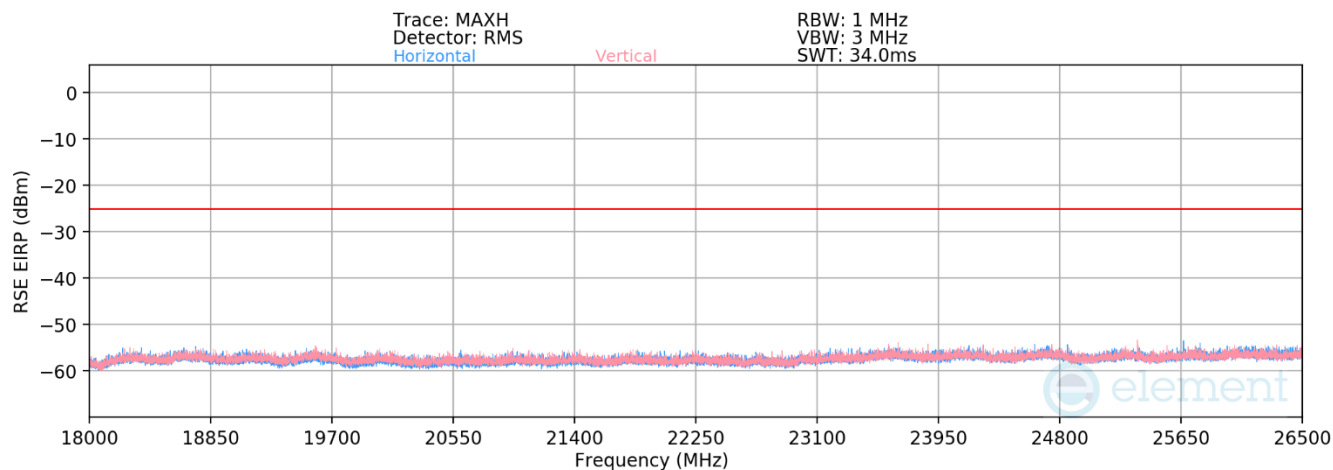
|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 536 of 572                   |

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## LTE Band 41



**Plot 7-915. Antenna 2b Radiated Spurious Plot 1GHz – 18GHz (LTE Band 41)**



**Plot 7-916. Antenna 2b Radiated Spurious Emission above 18GHz (LTE Band 41, Pol. H/V)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 537 of 572                   |

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|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2506.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.0          | H               | 264                 | 31                         | -74.95               | 2.57        | 34.62                   | -60.64                             | -25.00      | -35.64      |
| 7518.0          | V               | 132                 | 191                        | -68.54               | 4.45        | 42.91                   | -52.35                             | -25.00      | -27.35      |
| 10024.0         | V               | -                   | -                          | -77.27               | 5.24        | 34.97                   | -60.28                             | -25.00      | -35.28      |
| 12530.0         | V               | -                   | -                          | -79.42               | 9.77        | 37.35                   | -57.90                             | -25.00      | -32.90      |
| 15036.0         | V               | -                   | -                          | -79.90               | 11.63       | 38.73                   | -56.53                             | -25.00      | -31.53      |

**Table 7-77. Radiated Spurious Data (LTE Band 41 – Low Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.0          | H               | -                   | -                          | -77.01               | 3.78        | 33.77                   | -61.49                             | -25.00      | -36.49      |
| 7779.0          | H               | 160                 | 230                        | -74.49               | 3.99        | 36.50                   | -58.76                             | -25.00      | -33.76      |
| 10372.0         | H               | -                   | -                          | -77.88               | 5.95        | 35.07                   | -60.18                             | -25.00      | -35.18      |
| 12965.0         | H               | -                   | -                          | -80.14               | 10.67       | 37.53                   | -57.73                             | -25.00      | -32.73      |
| 15558.0         | H               | -                   | -                          | -80.81               | 13.01       | 39.20                   | -56.06                             | -25.00      | -31.06      |

**Table 7-78. Radiated Spurious Data (LTE Band 41 – Mid Channel)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2680.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.0          | H               | -                   | -                          | -76.62               | 3.44        | 33.82                   | -61.44                             | -25.00      | -36.44      |
| 8040.0          | H               | 229                 | 57                         | -75.39               | 3.85        | 35.46                   | -59.80                             | -25.00      | -34.80      |
| 10720.0         | H               | -                   | -                          | -78.12               | 6.95        | 35.83                   | -59.43                             | -25.00      | -34.43      |
| 13400.0         | H               | -                   | -                          | -80.25               | 10.07       | 36.82                   | -58.44                             | -25.00      | -33.44      |
| 16080.0         | H               | -                   | -                          | -81.34               | 14.80       | 40.46                   | -54.80                             | -25.00      | -29.80      |

**Table 7-79. Radiated Spurious Data (LTE Band 41 – High Channel)**

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-10-R1.BCG | Test Dates:<br>10/1/2023 - 03/04/2024                                                                                 | EUT Type:<br>Tablet Device | Page 538 of 572                   |

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