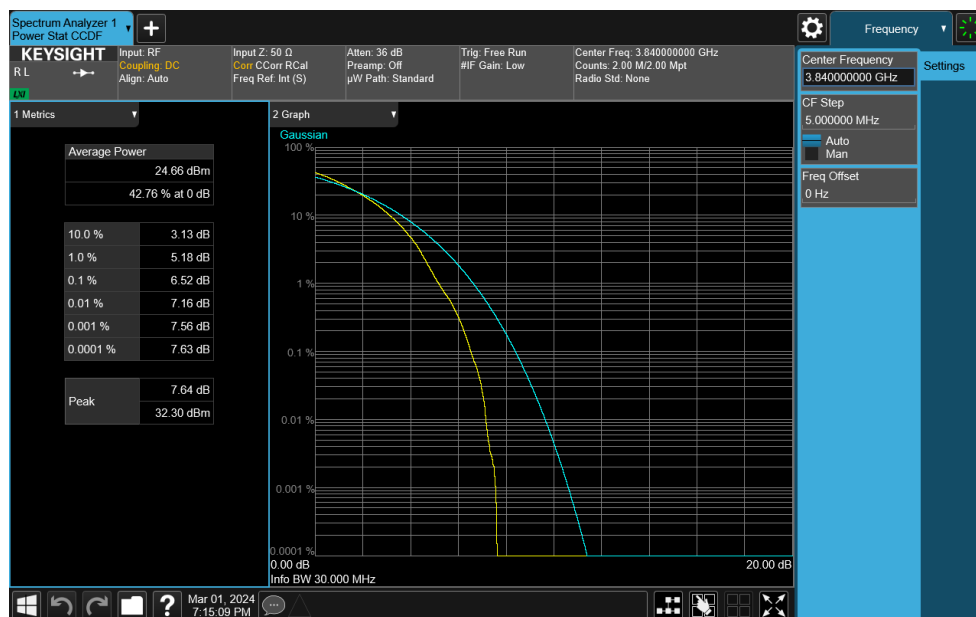
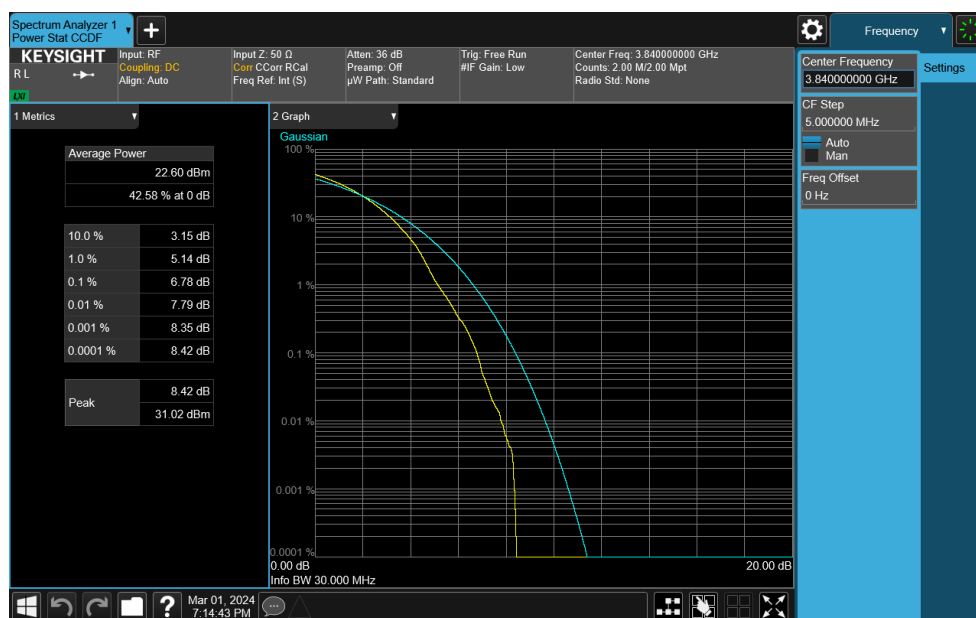




Plot 7-378. PAR Plot (NR Band n77 - 30MHz DFT-s-OFDM 64-QAM - Full RB)

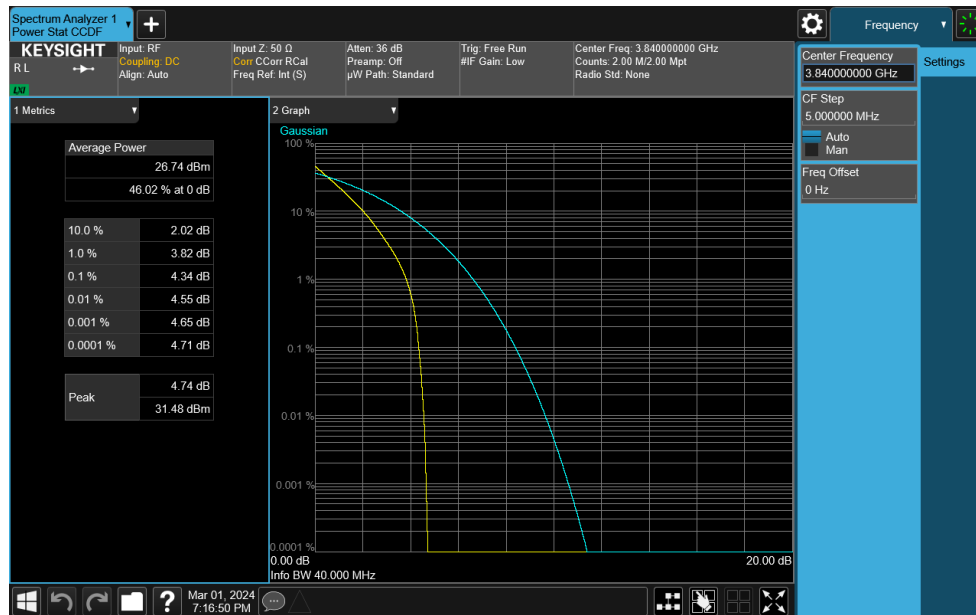


Plot 7-379. PAR Plot (NR Band n77 - 30MHz DFT-s-OFDM 256-QAM - Full RB)

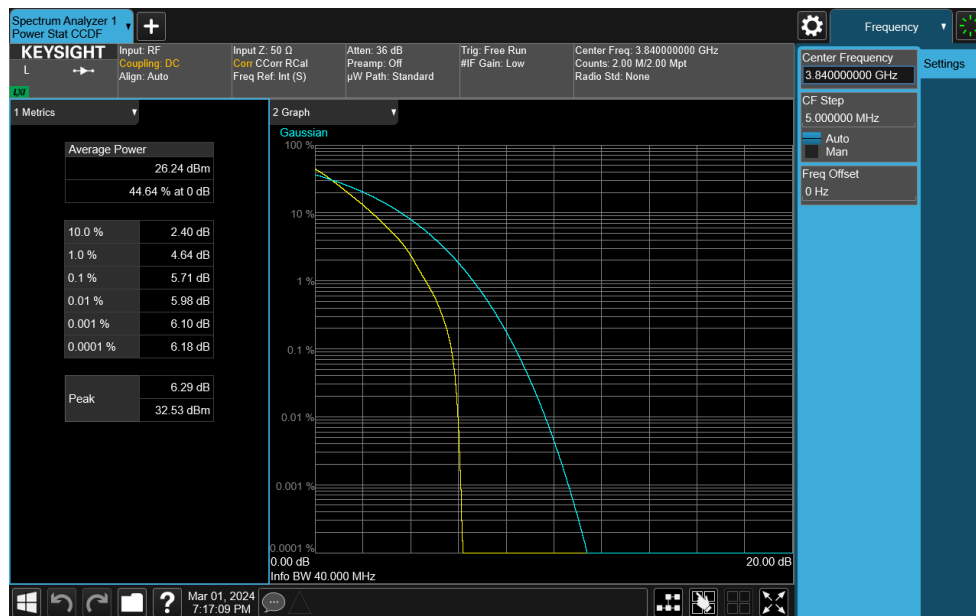
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 214 of 266

V2.2 09/07/2023

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Plot 7-380. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

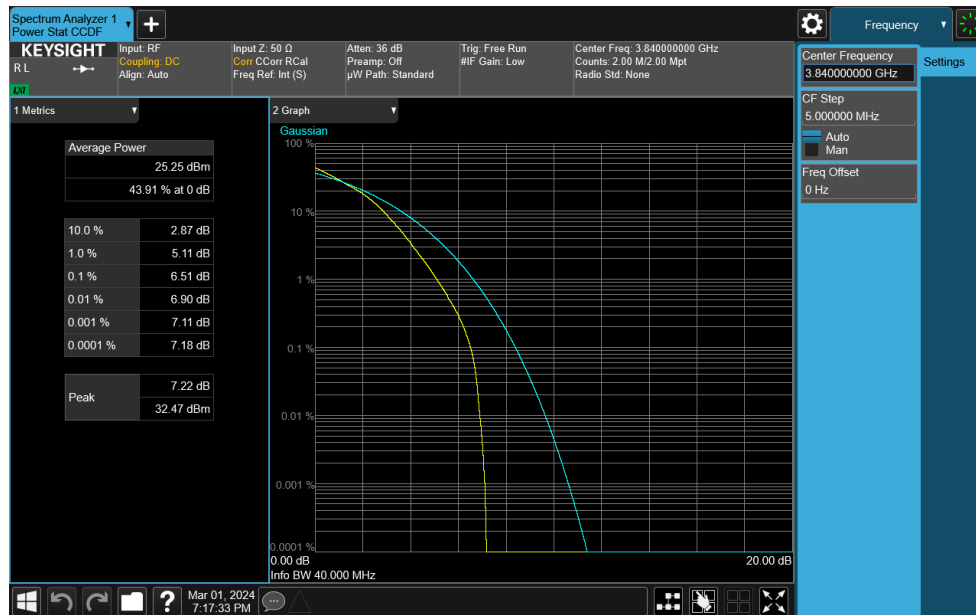


Plot 7-381. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM QPSK - Full RB)

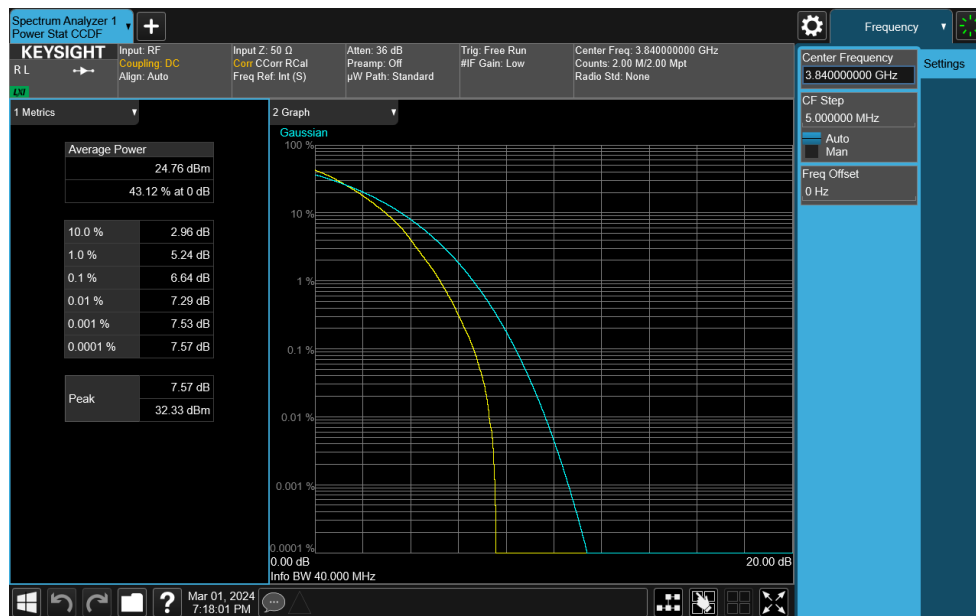
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 215 of 266

V2.2 09/07/2023

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Plot 7-382. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM 16-QAM - Full RB)

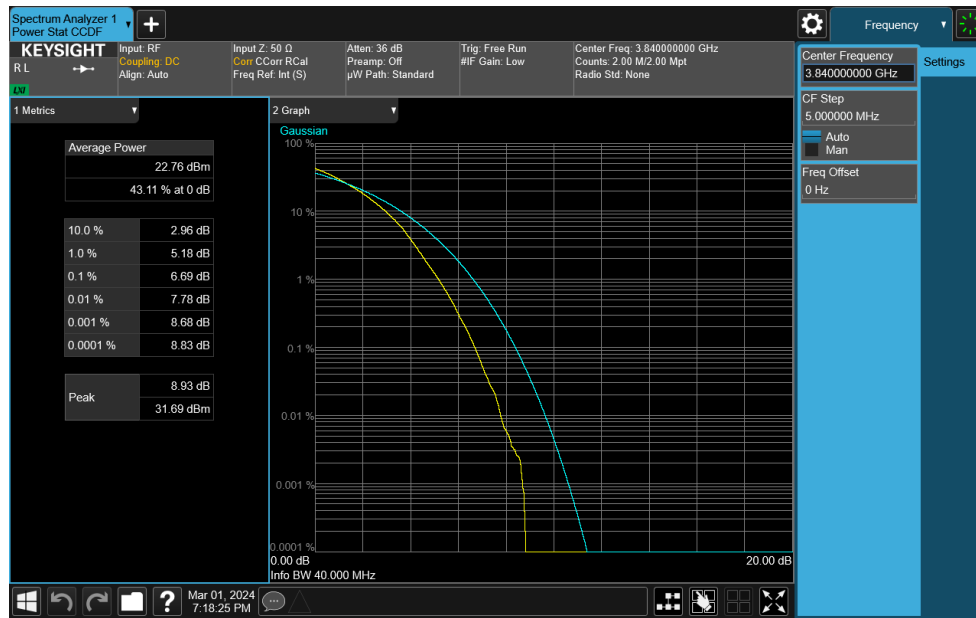


Plot 7-383. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM 64-QAM - Full RB)

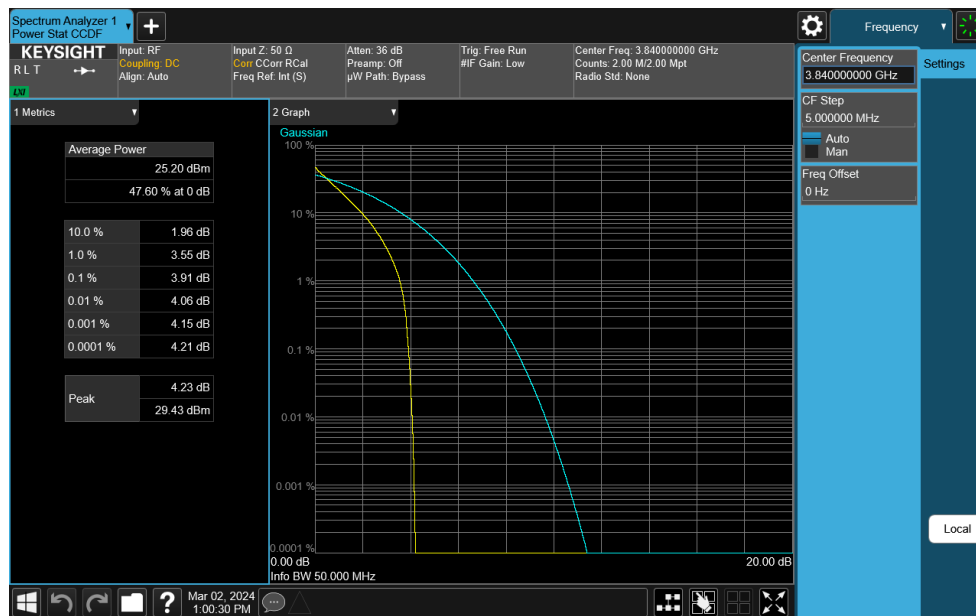
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 216 of 266

V2.2 09/07/2023

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Plot 7-384. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM 256-QAM - Full RB)

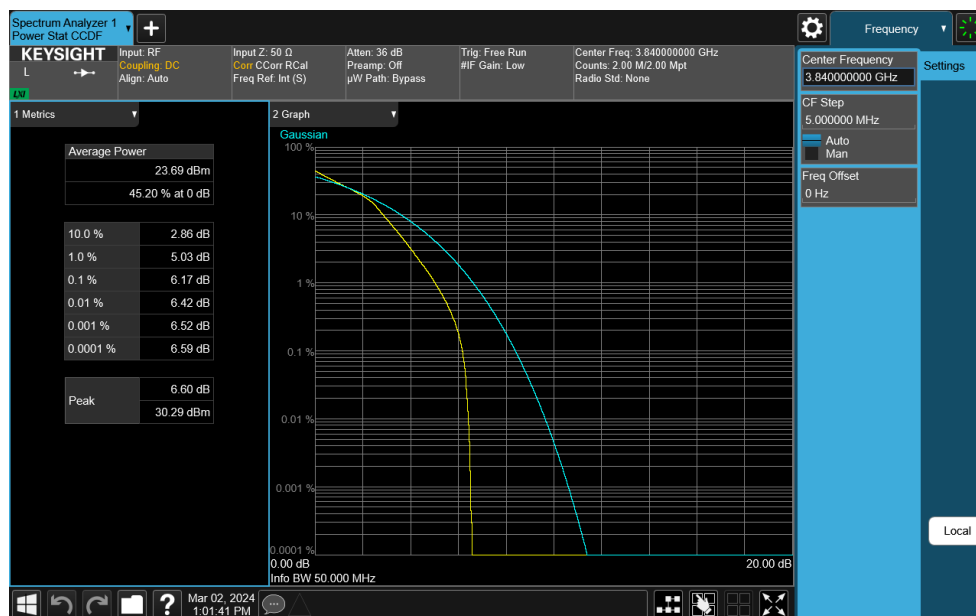
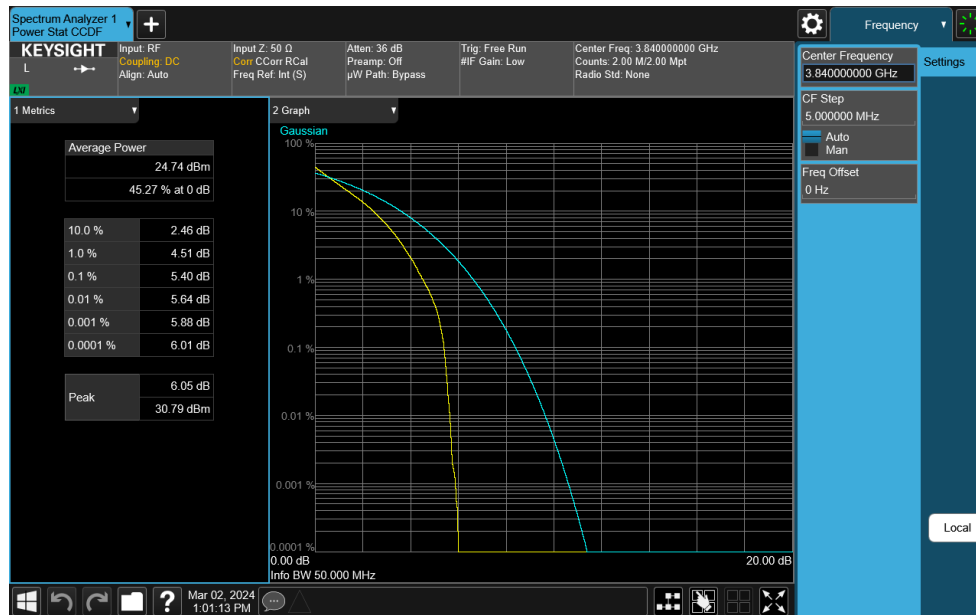


Plot 7-385. PAR Plot (NR Band n77 - 50MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 217 of 266

V2.2 09/07/2023

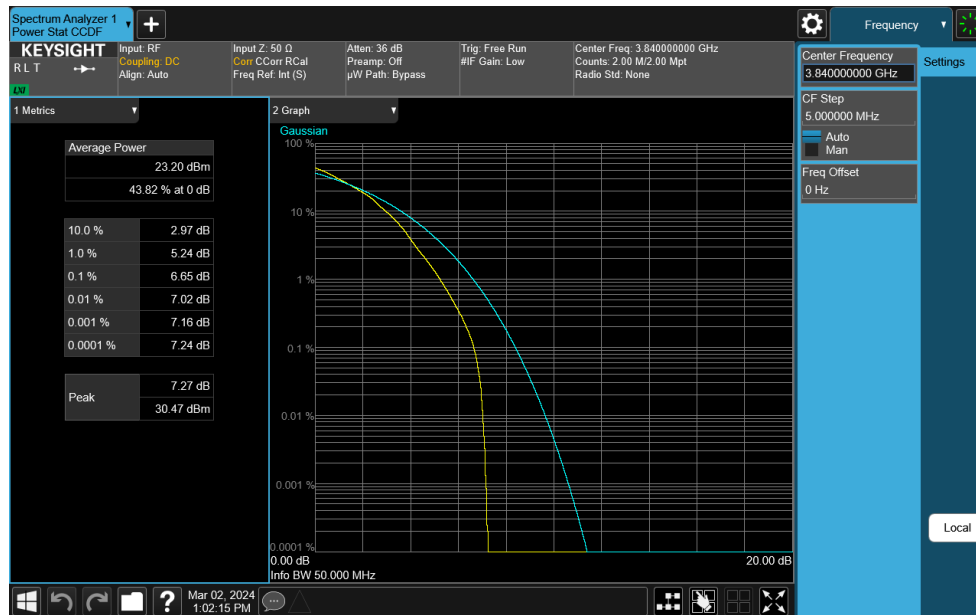
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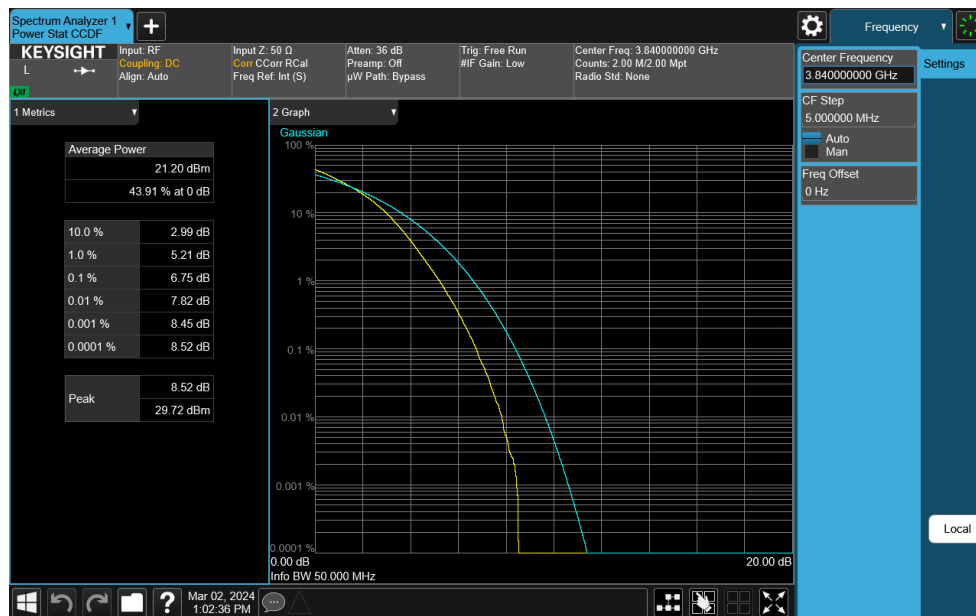
FCC ID: BCGA2903	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 218 of 266

V2.2 09/07/2023

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Plot 7-388. PAR Plot (NR Band n77 - 50MHz DFT-s-OFDM 64-QAM - Full RB)

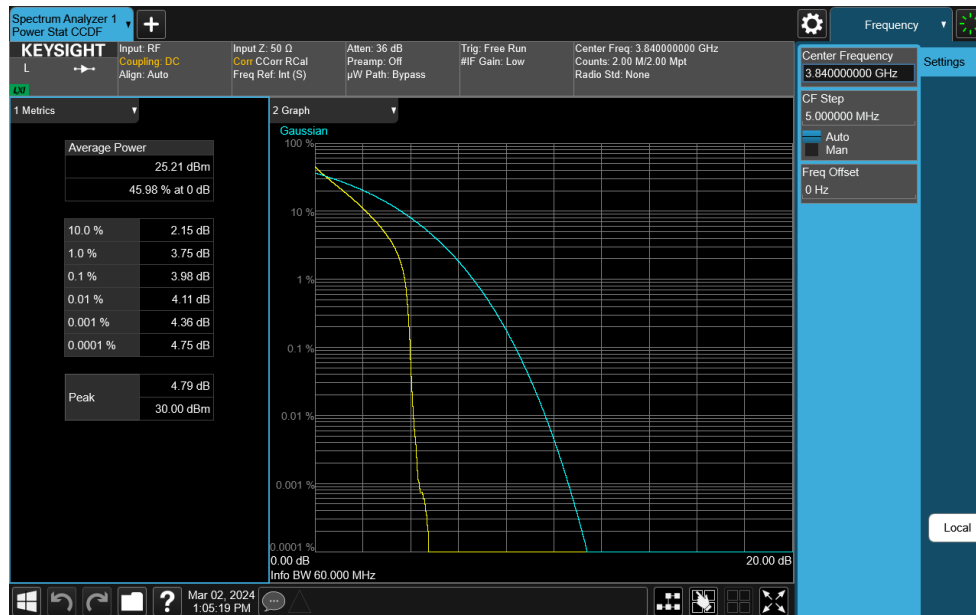


Plot 7-389. PAR Plot (NR Band n77 - 50MHz DFT-s-OFDM 256-QAM - Full RB)

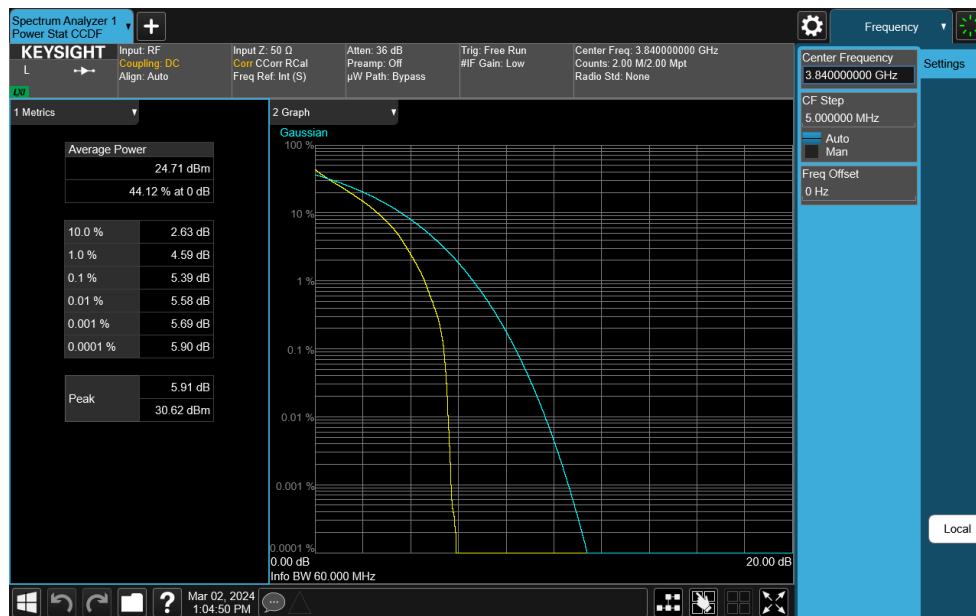
FCC ID: BCGA2903	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 219 of 266

V2.2 09/07/2023

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Plot 7-390. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

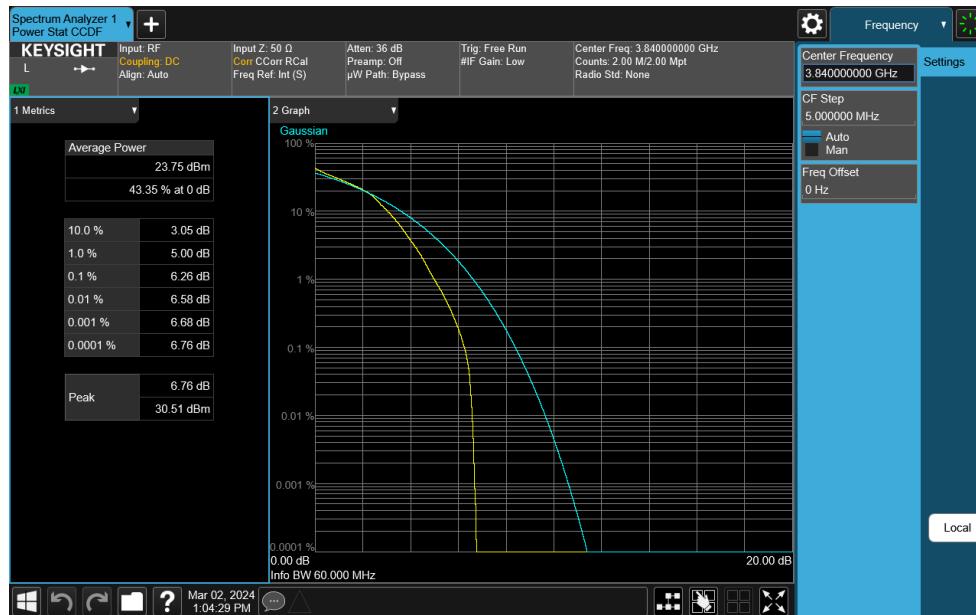


Plot 7-391. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM QPSK - Full RB)

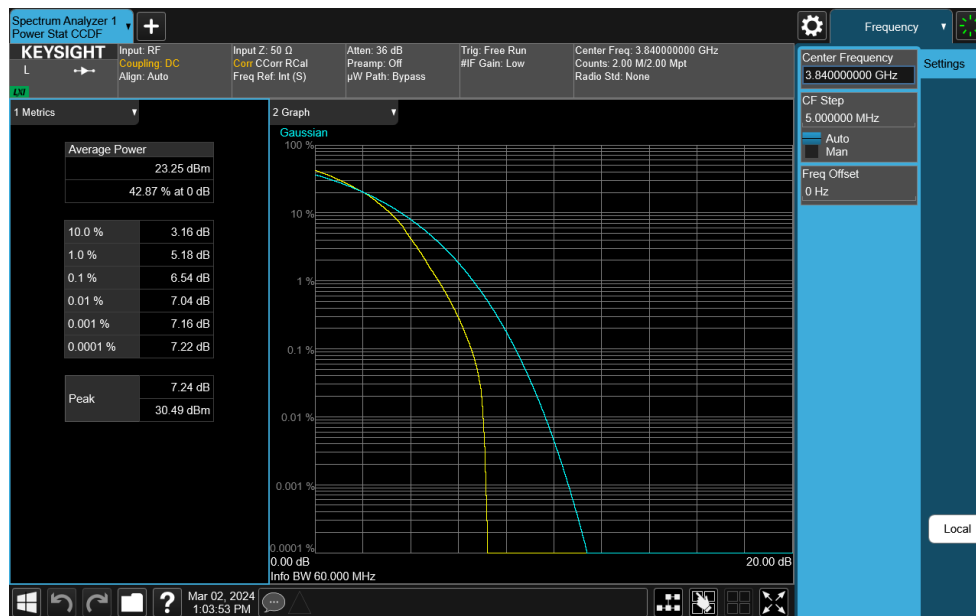
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 220 of 266

V2.2 09/07/2023

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Plot 7-392. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM 16-QAM - Full RB)

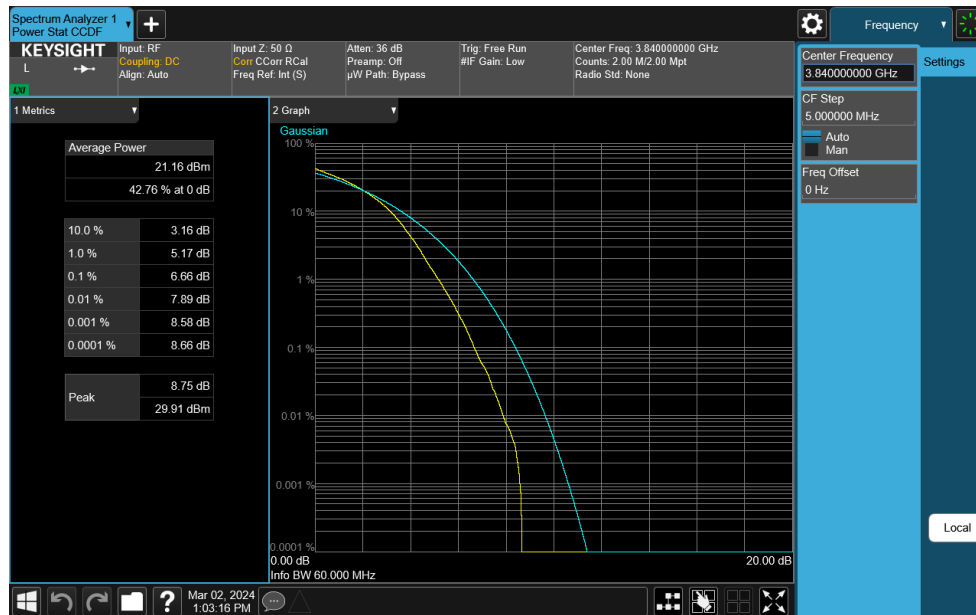


Plot 7-393. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM 64-QAM - Full RB)

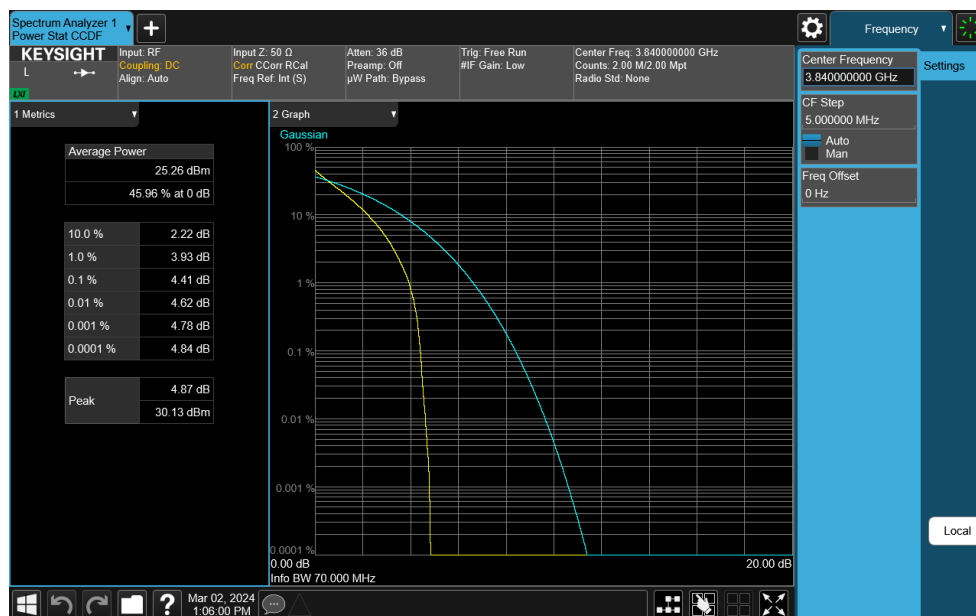
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 221 of 266

V2.2 09/07/2023

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Plot 7-394. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM 256-QAM - Full RB)

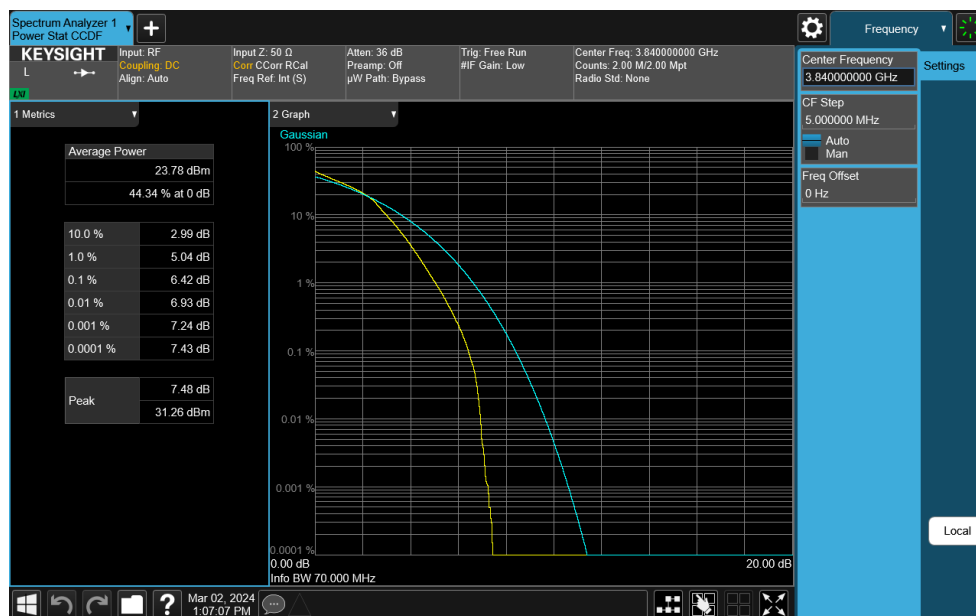
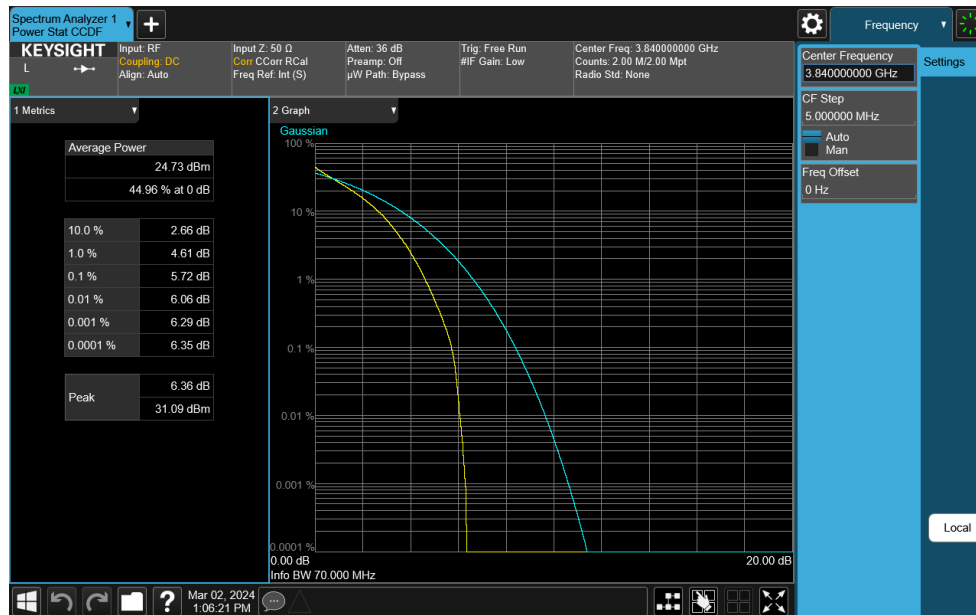


Plot 7-395. PAR Plot (NR Band n77 - 70MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 222 of 266

V2.2 09/07/2023

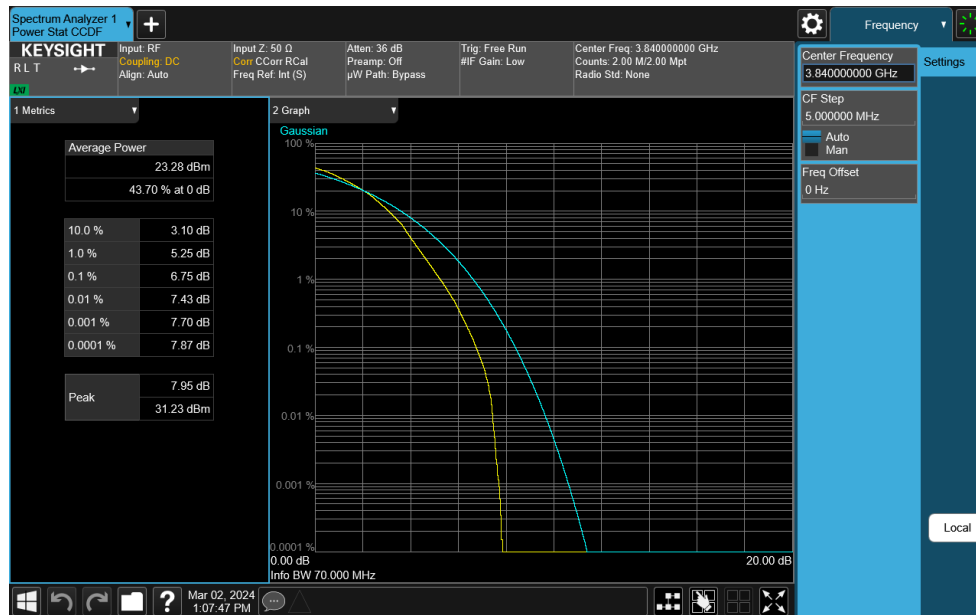
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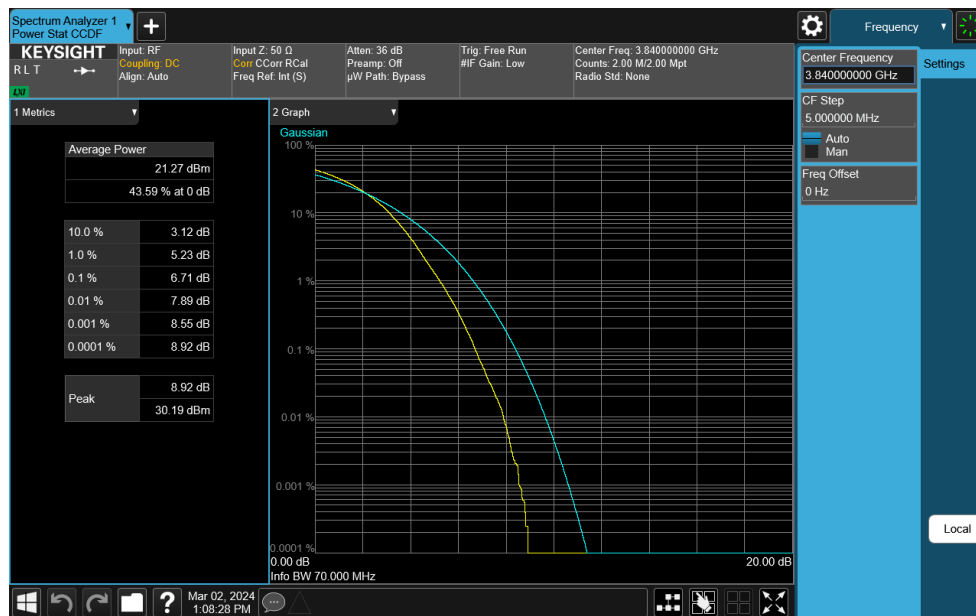
FCC ID: BCGA2903	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 223 of 266

V2.2 09/07/2023

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Plot 7-398. PAR Plot (NR Band n77 - 70MHz DFT-s-OFDM 64-QAM - Full RB)

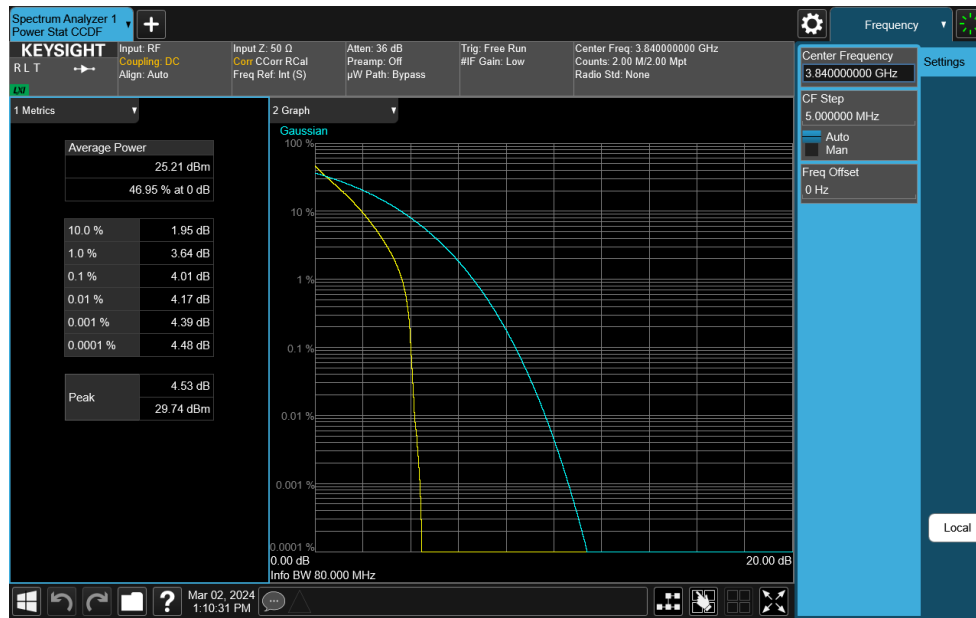


Plot 7-399. PAR Plot (NR Band n77 - 70MHz DFT-s-OFDM 256-QAM - Full RB)

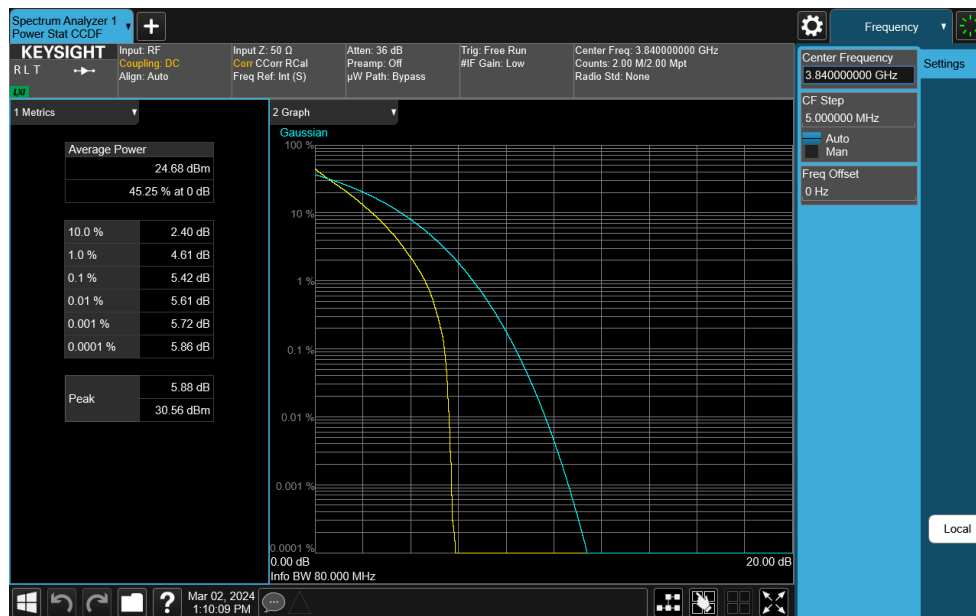
FCC ID: BCGA2903	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 224 of 266

V2.2 09/07/2023

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Plot 7-400. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

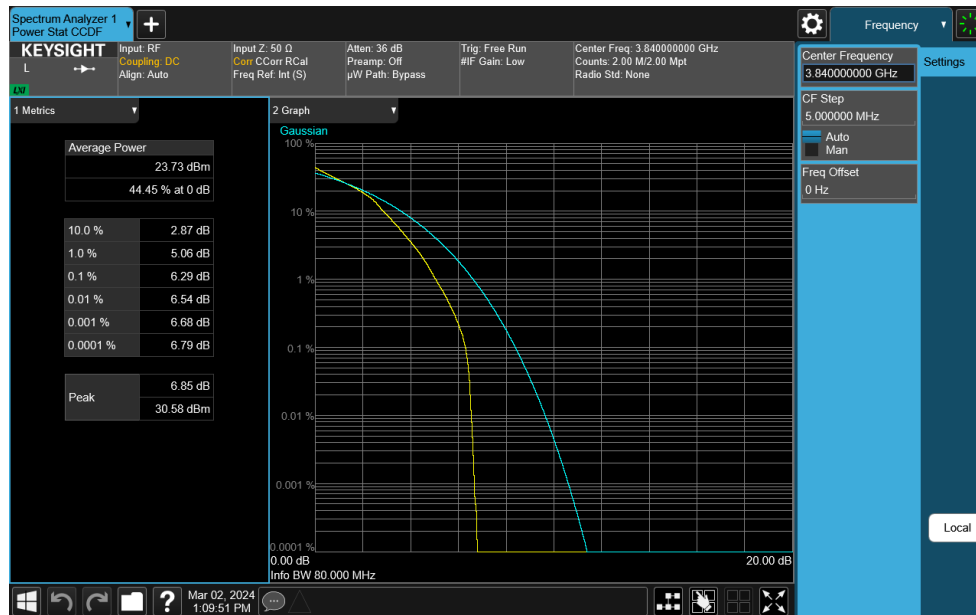


Plot 7-401. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM QPSK - Full RB)

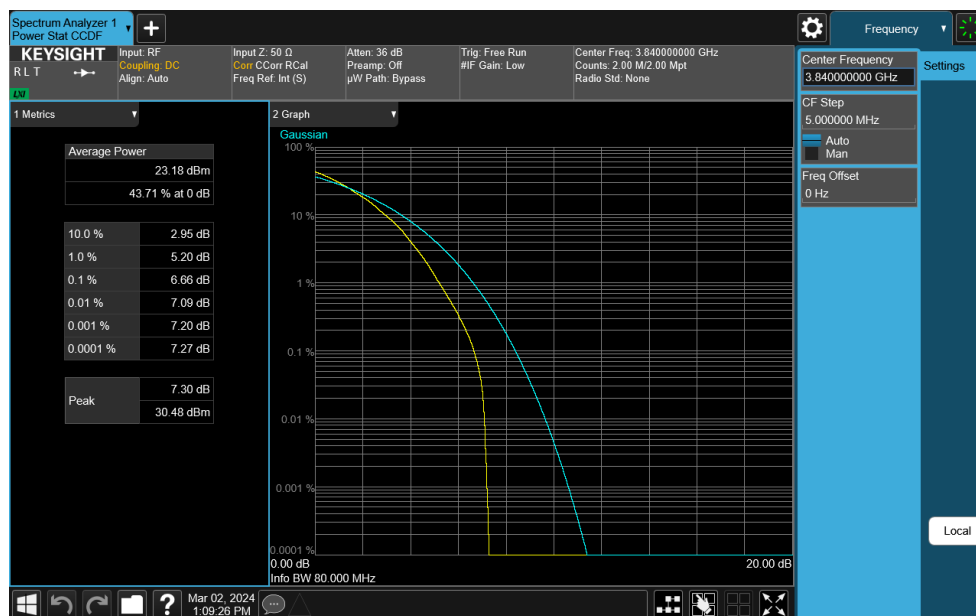
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 225 of 266

V2.2 09/07/2023

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Plot 7-402. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM 16-QAM - Full RB)

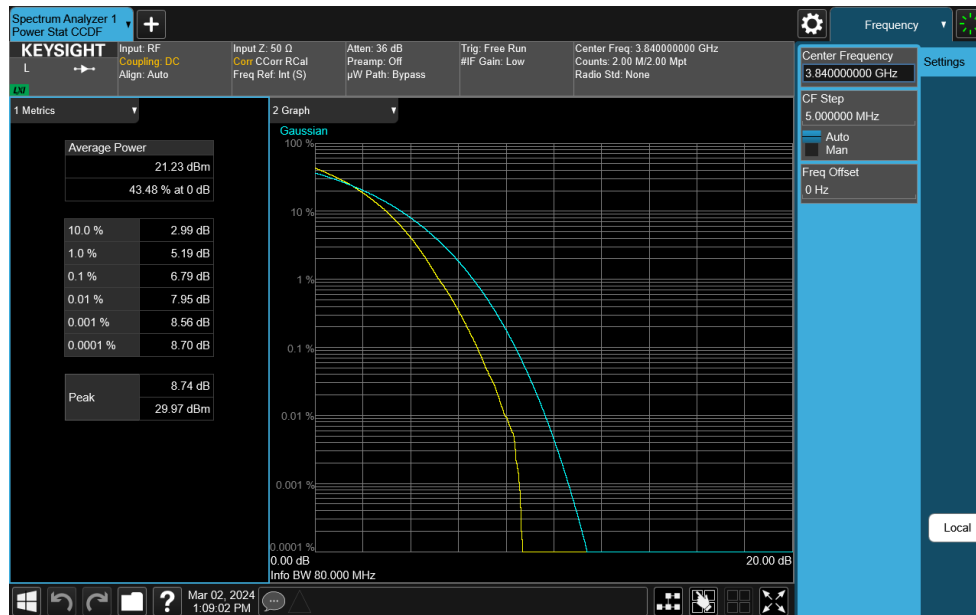


Plot 7-403. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM 64-QAM - Full RB)

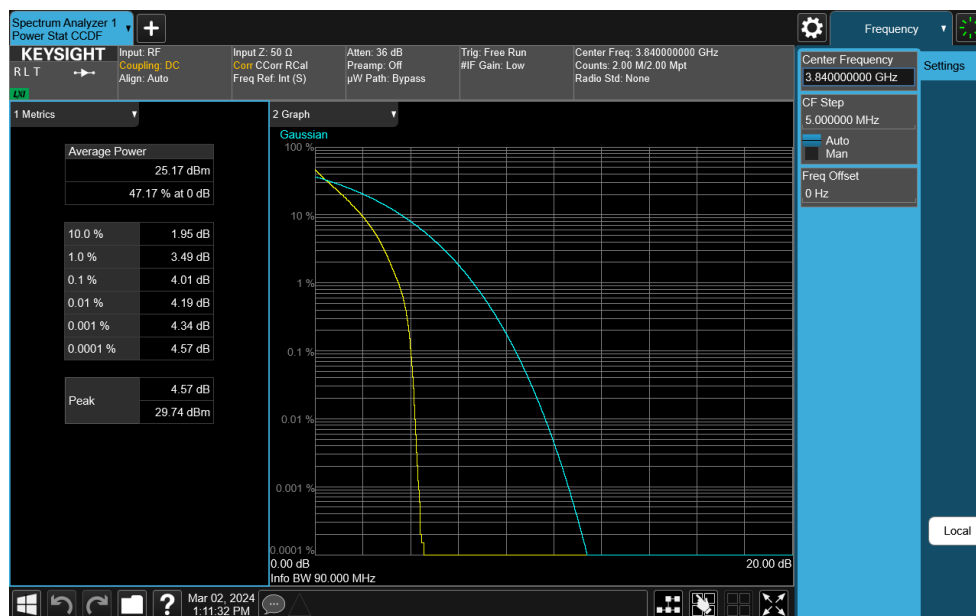
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 226 of 266

V2.2 09/07/2023

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Plot 7-404. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM 256-QAM - Full RB)

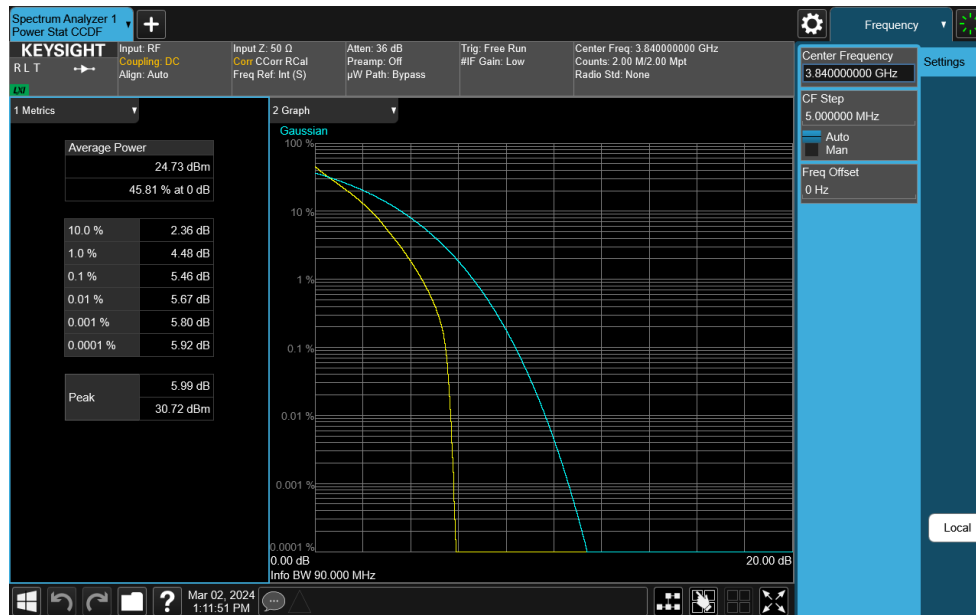


Plot 7-405. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

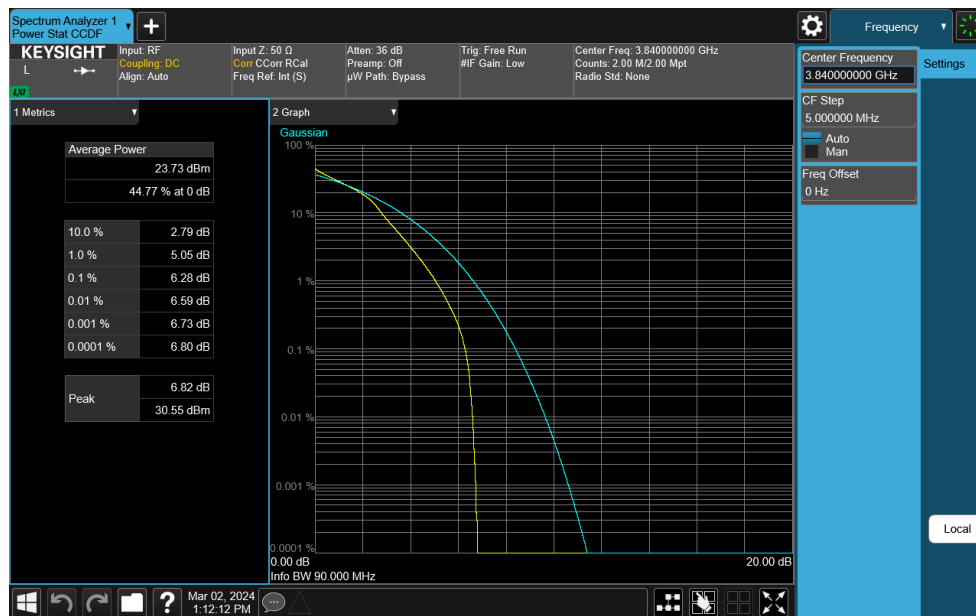
FCC ID: BCGA2903	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 227 of 266

V2.2 09/07/2023

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Plot 7-406. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM QPSK - Full RB)

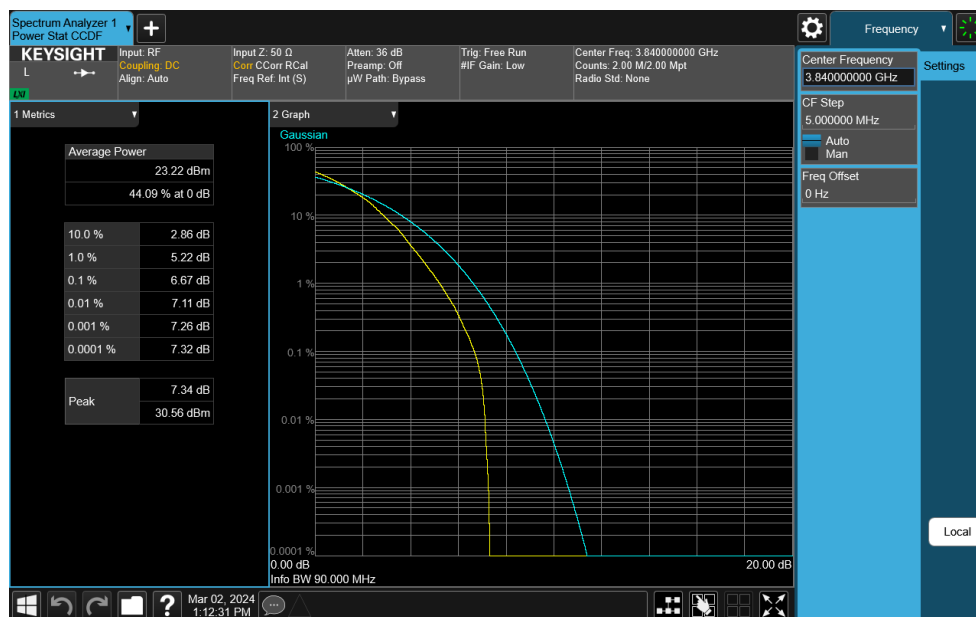


Plot 7-407. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM 16-QAM - Full RB)

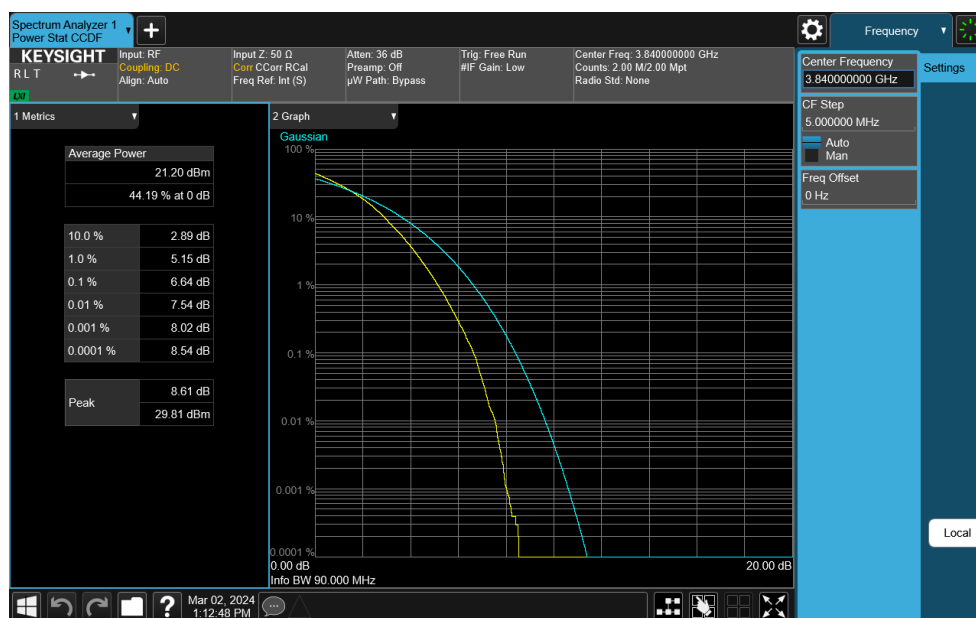
FCC ID: BCGA2903	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 228 of 266

V2.2 09/07/2023

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Plot 7-408. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM 64-QAM - Full RB)

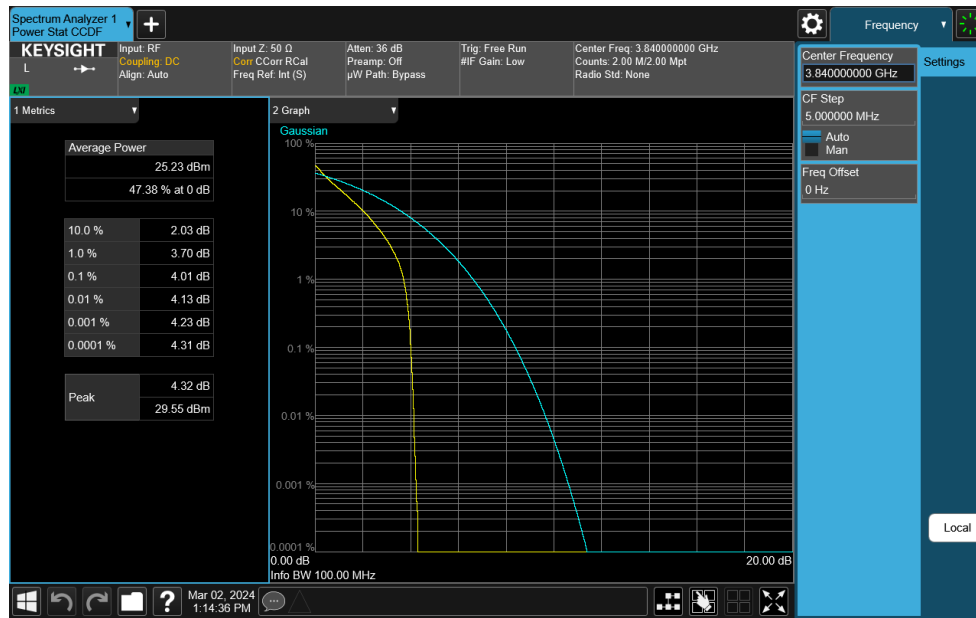


Plot 7-409. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM 256-QAM - Full RB)

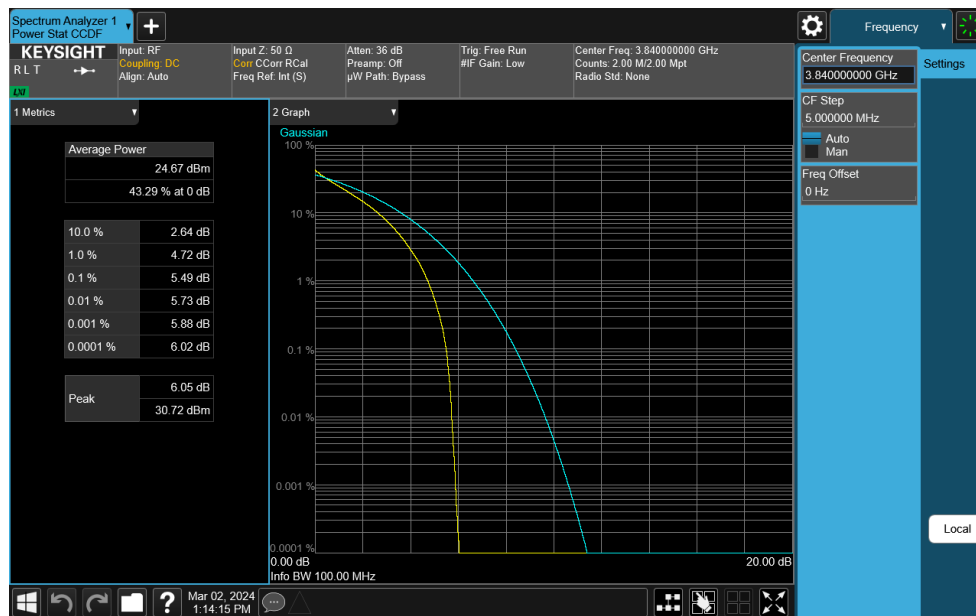
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 229 of 266

V2.2 09/07/2023

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Plot 7-410. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

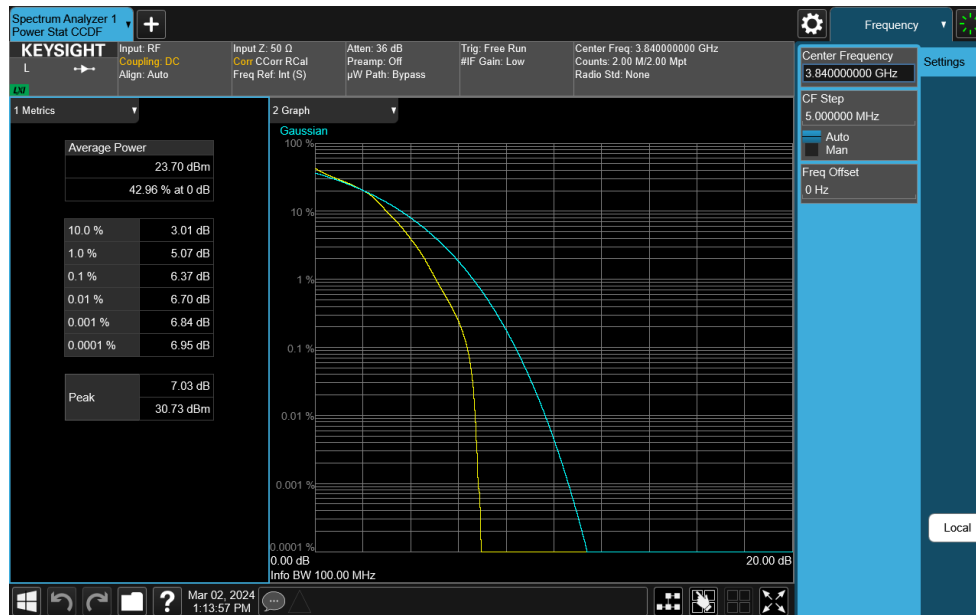


Plot 7-411. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - Full RB)

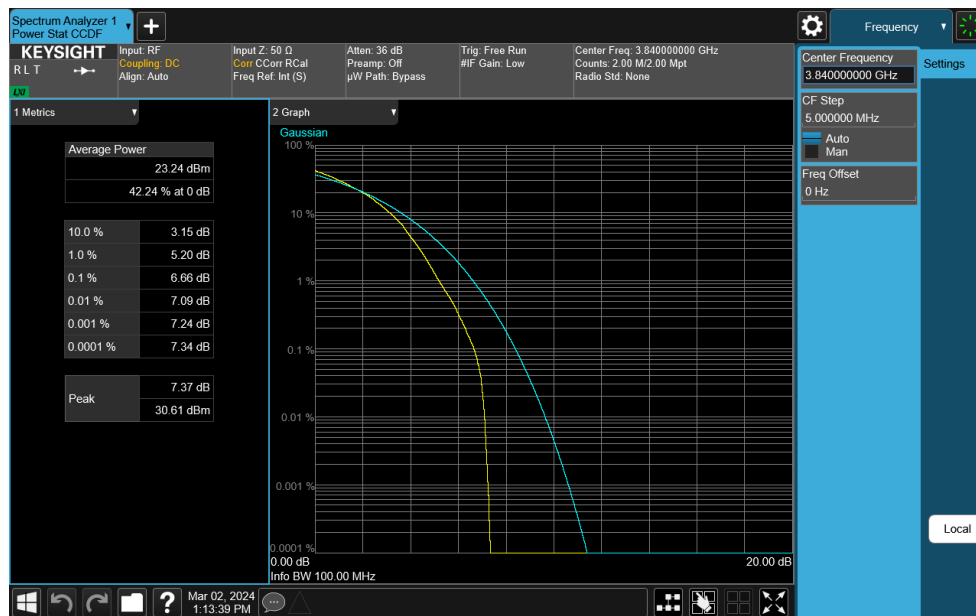
FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 230 of 266

V2.2 09/07/2023

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Plot 7-412. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM 16-QAM - Full RB)

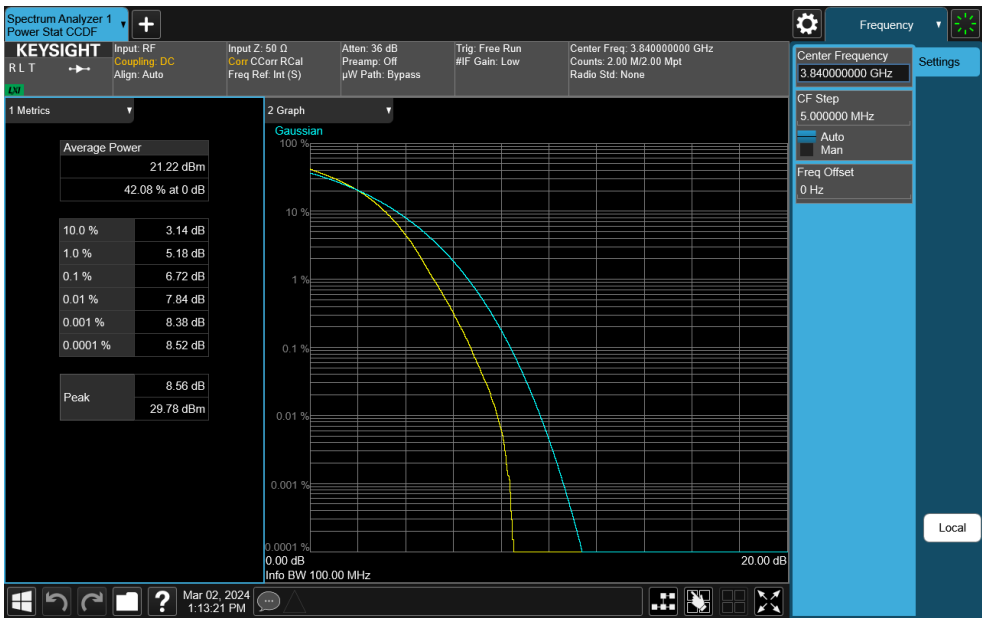


Plot 7-413. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 231 of 266

V2.2 09/07/2023

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Plot 7-414. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 232 of 266

V2.2 09/07/2023

7.6 Radiated Power (EIRP)

§27.50(j)(3), §27.50(k)(3)

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.

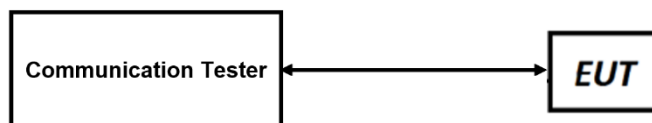


Figure 7-5. EIRP Measurement Setup

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. 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.

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 233 of 266

V2.2 09/07/2023

7.6.1 Antenna 3b – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	2.00	1 / 12	27.06	29.06	0.805	33.01	-3.95
		3500.01	2.00	1 / 12	27.10	29.10	0.813	33.01	-3.91
		3544.98	2.00	1 / 22	27.10	29.10	0.813	33.01	-3.91
	QPSK	3455.01	2.00	1 / 12	26.98	28.98	0.791	33.01	-4.03
		3500.01	2.00	1 / 1	26.99	28.99	0.793	33.01	-4.02
		3544.98	2.00	1 / 12	26.82	28.82	0.762	33.01	-4.19
	16-QAM	3544.98	2.00	1 / 22	26.06	28.06	0.640	33.01	-4.95
	64-QAM	3544.98	2.00	1 / 22	24.98	26.98	0.499	33.01	-6.03
	256-QAM	3544.98	2.00	1 / 22	22.16	24.16	0.261	33.01	-8.85
	256-QAM	3457.50	2.00	1 / 18	27.10	29.10	0.813	33.01	-3.91
15 MHz	π/2 BPSK	3500.01	2.00	1 / 1	26.91	28.91	0.778	33.01	-4.10
		3542.49	2.00	1 / 36	26.92	28.92	0.780	33.01	-4.09
		3457.50	2.00	1 / 18	27.06	29.06	0.805	33.01	-3.95
	QPSK	3500.01	2.00	1 / 18	27.02	29.02	0.798	33.01	-3.99
		3542.49	2.00	1 / 36	26.91	28.91	0.778	33.01	-4.10
		3457.50	2.00	1 / 1	26.10	28.10	0.646	33.01	-4.91
	16-QAM	3500.01	2.00	1 / 1	25.09	27.09	0.512	33.01	-5.92
	64-QAM	3500.01	2.00	1 / 1	25.09	27.09	0.512	33.01	-5.92
	256-QAM	3457.50	2.00	1 / 1	22.15	24.15	0.260	33.01	-8.86
	256-QAM	3460.02	2.00	1 / 49	27.02	29.02	0.798	33.01	-3.99
20 MHz	π/2 BPSK	3500.01	2.00	1 / 1	27.10	29.10	0.813	33.01	-3.91
		3540.00	2.00	1 / 49	27.07	29.07	0.807	33.01	-3.94
		3460.02	2.00	1 / 49	26.97	28.97	0.789	33.01	-4.04
	QPSK	3500.01	2.00	1 / 1	27.00	29.00	0.794	33.01	-4.01
		3540.00	2.00	1 / 1	27.04	29.04	0.802	33.01	-3.97
		3460.02	2.00	1 / 25	26.15	28.15	0.653	33.01	-4.86
	16-QAM	3500.01	2.00	1 / 49	25.16	27.16	0.520	33.01	-5.85
	64-QAM	3500.01	2.00	1 / 49	22.19	24.19	0.262	33.01	-8.82
	256-QAM	3500.01	2.00	1 / 49	22.19	24.19	0.262	33.01	-8.82
	256-QAM	3465.00	2.00	1 / 76	26.83	28.83	0.764	33.01	-4.18
30 MHz	π/2 BPSK	3500.01	2.00	1 / 1	26.95	28.95	0.785	33.01	-4.06
		3534.99	2.00	1 / 1	27.10	29.10	0.813	33.01	-3.91
		3465.00	2.00	1 / 36	26.94	28.94	0.783	33.01	-4.07
	QPSK	3500.01	2.00	1 / 36	26.96	28.96	0.787	33.01	-4.05
		3534.99	2.00	1 / 76	26.88	28.88	0.773	33.01	-4.13
		3465.00	2.00	1 / 76	26.10	28.10	0.646	33.01	-4.91
	16-QAM	3500.01	2.00	1 / 76	25.10	27.10	0.513	33.01	-5.91
	64-QAM	3500.01	2.00	1 / 76	25.10	27.10	0.513	33.01	-5.91
	256-QAM	3465.00	2.00	1 / 36	22.23	24.23	0.265	33.01	-8.78
	256-QAM	3470.01	2.00	1 / 104	26.91	28.91	0.778	33.01	-4.10
40 MHz	π/2 BPSK	3500.01	2.00	1 / 1	26.87	28.87	0.771	33.01	-4.14
		3529.98	2.00	1 / 104	26.88	28.88	0.773	33.01	-4.13
		3470.01	2.00	1 / 104	26.96	28.96	0.787	33.01	-4.05
	QPSK	3500.01	2.00	1 / 50	26.82	28.82	0.762	33.01	-4.19
		3529.98	2.00	1 / 1	27.10	29.10	0.813	33.01	-3.91
		3470.01	2.00	1 / 50	26.07	28.07	0.641	33.01	-4.94
	16-QAM	3500.01	2.00	1 / 1	25.11	27.11	0.514	33.01	-5.90
	64-QAM	3500.01	2.00	1 / 1	25.11	27.11	0.514	33.01	-5.90
	256-QAM	3529.98	2.00	1 / 50	22.07	24.07	0.255	33.01	-8.94
	256-QAM	3475.02	2.00	1 / 1	27.09	29.09	0.811	33.01	-3.92
50 MHz	π/2 BPSK	3500.01	2.00	1 / 64	27.10	29.10	0.813	33.01	-3.91
		3525.00	2.00	1 / 64	27.10	29.10	0.813	33.01	-3.91
		3475.02	2.00	1 / 131	26.73	28.73	0.746	33.01	-4.28
	QPSK	3500.01	2.00	1 / 1	26.95	28.95	0.785	33.01	-4.06
		3525.00	2.00	1 / 64	27.10	29.10	0.813	33.01	-3.91
		3475.02	2.00	1 / 64	26.01	28.01	0.632	33.01	-5.00
	16-QAM	3500.01	2.00	1 / 1	25.07	27.07	0.509	33.01	-5.94
	64-QAM	3475.02	2.00	1 / 1	25.07	27.07	0.509	33.01	-5.94
	256-QAM	3500.01	2.00	1 / 1	22.18	24.18	0.262	33.01	-8.83
	256-QAM	3480.00	2.00	1 / 1	26.97	28.97	0.789	33.01	-4.04
60 MHz	π/2 BPSK	3500.01	2.00	1 / 1	27.03	29.03	0.800	33.01	-3.98
		3519.99	2.00	1 / 1	27.06	29.06	0.805	33.01	-3.95
		3480.00	2.00	1 / 1	27.05	29.05	0.804	33.01	-3.96
	QPSK	3500.01	2.00	1 / 1	27.08	29.08	0.809	33.01	-3.93
		3519.99	2.00	1 / 160	27.10	29.10	0.813	33.01	-3.91
		3480.00	2.00	1 / 160	26.10	28.10	0.646	33.01	-4.91
	16-QAM	3500.01	2.00	1 / 160	25.08	27.08	0.511	33.01	-5.93
	64-QAM	3519.99	2.00	1 / 160	25.08	27.08	0.511	33.01	-5.93
	256-QAM	3519.99	2.00	1 / 81	22.19	24.19	0.262	33.01	-8.82
	256-QAM	3485.01	2.00	1 / 90	26.99	28.99	0.793	33.01	-4.02
70 MHz	π/2 BPSK	3500.01	2.00	1 / 1	26.94	28.94	0.783	33.01	-4.07
		3514.98	2.00	1 / 90	27.05	29.05	0.804	33.01	-3.96
		3485.01	2.00	1 / 1	26.91	28.91	0.778	33.01	-4.10
	QPSK	3500.01	2.00	1 / 90	26.97	28.97	0.789	33.01	-4.04
		3514.98	2.00	1 / 187	27.10	29.10	0.813	33.01	-3.91
		3485.01	2.00	1 / 1	26.13	28.13	0.650	33.01	-4.88
	16-QAM	3514.98	2.00	1 / 1	25.12	27.12	0.515	33.01	-5.89
	64-QAM	3514.98	2.00	1 / 1	25.12	27.12	0.515	33.01	-5.89
	256-QAM	3514.98	2.00	1 / 1	22.22	24.22	0.264	33.01	-8.79
	256-QAM	3490.02	2.00	1 / 214	27.00	29.00	0.794	33.01	-4.01
80 MHz	π/2 BPSK	3500.01	2.00	1 / 1	27.10	29.10	0.813	33.01	-3.91
		3510.00	2.00	1 / 108	26.98	28.98	0.791	33.01	-4.03
		3490.02	2.00	1 / 1	26.85	28.85	0.767	33.01	-4.16
	QPSK	3500.01	2.00	1 / 108	26.98	28.98	0.791	33.01	-4.03
		3510.00	2.00	1 / 1	26.91	28.91	0.778	33.01	-4.10
		3490.02	2.00	1 / 1	26.09	28.09	0.644	33.01	-4.92
	16-QAM	3500.01	2.00	1 / 108	25.09	27.09	0.512	33.01	-5.92
	64-QAM	3500.01	2.00	1 / 108	25.09	27.09	0.512	33.01	-5.92
	256-QAM	3490.02	2.00	1 / 214	22.17	24.17	0.261	33.01	-8.84
	256-QAM	3495.00	2.00	1 / 120	27.10	29.10	0.813	33.01	-3.91
90 MHz	π/2 BPSK	3500.01	2.00	1 / 243	26.98	28.98	0.791	33.01	-4.03
		3504.99	2.00	1 / 120	27.06	29.06	0.805	33.01	-3.95
		3495.00	2.00	1 / 1	27.07	29.07	0.807	33.01	-3.94
	QPSK	3500.01	2.00	1 / 243	27.07	29.07	0.807	33.01	-3.94
		3504.99	2.00	1 / 120	27.03	29.03	0.800	33.01	-3.98
		3495.00	2.00	1 / 120	26.09	28.09	0.644	33.01	-4.92
	16-QAM	3500.01	2.00	1 / 120	25.02	27.02	0.504	33.01	-5.99
	64-QAM	3500.01	2.00	1 / 120	25.02	27.02	0.504	33.01	-5.99
	256-QAM	3504.99	2.00	1 / 243	22.18	24.18	0.262	33.01	-8.83
	256-QAM	3500.01	2.00	1 / 271	27.10	29.10	0.813	33.01	-3.91
100 MHz	π/2 BPSK	3500.01	2.00	1 / 1	27.00	29.00	0.794	33.01	-4.01
		3500.01	2.00	1 / 135	25.99	27.99	0.630	33.01	-5.02
		3500.01	2.00	1 / 1	25.10	27.10	0.513	33.01	-5.91
	QPSK	3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99
		3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99
		3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99
	16-QAM	3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99
		3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99
		3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99
	256-QAM	3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99
		3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99
		3500.01	2.00	1 / 135	22.02	24.02	0.252	33.01	-8.99

Table 7-2. Antenna 3b EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	2.00	1 / 1	25.63	27.63	0.579	33.01	-5.38
		3500.01	2.00	1 / 22	25.60	27.60	0.576	33.01	-5.41
		3544.98	2.00	1 / 22	25.70	27.70	0.589	33.01	-5.31
	QPSK	3455.01	2.00	1 / 1	25.68	27.68	0.586	33.01	-5.33
		3500.01	2.00	1 / 22	25.64	27.64	0.581	33.01	-5.37
		3544.98	2.00	1 / 1	25.69	27.69	0.588	33.01	-5.32
	16-QAM	3500.01	2.00	1 / 22	24.71	26.71	0.469	33.01	-6.30
	64-QAM	3544.98	2.00	1 / 1	23.38	25.38	0.345	33.01	-7.63
	256-QAM	3455.01	2.00	1 / 1	21.37	23.37	0.217	33.01	-9.64
	256-QAM	3457.50	2.00	1 / 1	25.67	27.67	0.584	33.01	-5.34
15 MHz	π/2 BPSK	3500.01	2.00	1 / 1	25.65	27.65	0.582	33.01	-5.36
		3542.49	2.00	1 / 1	25.70	27.70	0.589	33.01	-5.31
		3457.50	2.00	1 / 36	25.67	27.67	0.585	33.01	-5.34
	QPSK	3500.01	2.00	1 / 1	25.69	27.69	0.587	33.01	-5.32
		3542.49	2.00	1 / 1	25.69	27.69	0.588	33.01	-5.32
		3457.50	2.00	1 / 36	24.81	26.81	0.480	33.01	-6.20
	16-QAM	3542.49	2.00	1 / 36	24.81	26.81	0.480	33.01	-6.20
	64-QAM	3457.50	2.00	1 / 1	23.41	25.41	0.348	33.01	-7.60
	256-QAM	3542.49	2.00	1 / 1	21.42	23.42	0.220	33.01	-9.59
	256-QAM	3460.02	2.00	1 / 49	25.60	27.60	0.575	33.01	-5.41
20 MHz	π/2 BPSK	3500.01	2.00	1 / 1	25.63	27.63	0.579	33.01	-5.38
		3540.00	2.00	1 / 49	25.70	27.70	0.589	33.01	-5.31
		3460.02	2.00	1 / 49	25.62	27.62	0.578	33.01	-5.39
	QPSK	3500.01	2.00	1 / 49	25.65	27.65	0.582	33.01	-5.36
		3540.00	2.00	1 / 1	25.68	27.68	0.587	33.01	-5.33
		3460.02	2.00	1 / 49	24.88	26.88	0.487	33.01	-6.13
	16-QAM	3540.00	2.00	1 / 49	24.88	26.88	0.487	33.01	-6.13
	64-QAM	3500.01	2.00	1 / 1	23.39	25.39	0.346	33.01	-7.62
	256-QAM	3540.00	2.00	1 / 1	21.38	23.38	0.218	33.01	-9.63
	256-QAM	3465.00	2.00	1 / 1	25.53	27.53	0.567	33.01	-5.48
30 MHz	π/2 BPSK	3500.01	2.00	1 / 1	25.70	27.70	0.589	33.01	-5.31
		3534.99	2.00	1 / 1	25.64	27.64	0.581	33.01	-5.37
		3465.00	2.00	1 / 1	25.62	27.62	0.578	33.01	-5.39
	QPSK	3500.01	2.00	1 / 1	25.68	27.68	0.586	33.01	-5.33
		3534.99	2.00	1 / 76	25.64	27.64	0.581	33.01	-5.37
		3465.00	2.00	1 / 76	24.66	26.66	0.463	33.01	-6.35
	16-QAM	3534.99	2.00	1 / 76	24.66	26.66	0.463	33.01	-6.35
	64-QAM	3500.01	2.00	1 / 1	23.55	25.55	0.359	33.01	-7.46
	256-QAM	3500.01	2.00	1 / 1	21.58	23.58	0.228	33.01	-9.43
	256-QAM	3470.01	2.00	1 / 104	25.67	27.67	0.585	33.01	-5.34
40 MHz	π/2 BPSK	3500.01	2.00	1 / 104	25.67	27.67	0.585	33.01	-5.34
		3529.98	2.00	1 / 104	25.67	27.67	0.585	33.01	-5.34
		3470.01	2.00	1 / 1	25.63	27.63	0.580	33.01	-5.38
	QPSK	3500.01	2.00	1 / 1	25.67	27.67	0.585	33.01	-5.34
		3529.98	2.00	1 / 1	25.70	27.70	0.589	33.01	-5.31
		3470.01	2.00	1 / 50	24.75	26.75	0.473	33.01	-6.26
	16-QAM	3529.98	2.00	1 / 50	24.75	26.75	0.473	33.01	-6.26
	64-QAM	3529.98	2.00	1 / 1	23.63	25.63	0.366	33.01	-7.38
	256-QAM	3500.01	2.00	1 / 50	21.57	23.57	0.228	33.01	-9.44
	256-QAM	3475.02	2.00	1 / 64	25.56	27.56	0.571	33.01	-5.45
50 MHz	π/2 BPSK	3500.01	2.00	1 / 1	25.60	27.60	0.575	33.01	-5.41
		3525.00	2.00	1 / 1	25.67	27.67	0.584	33.01	-5.34
		3475.02	2.00	1 / 1	25.57	27.57	0.572	33.01	-5.44
	QPSK	3500.01	2.00	1 / 1	25.70	27.70	0.589	33.01	-5.31
		3525.00	2.00	1 / 1	25.65	27.65	0.582	33.01	-5.36
		3475.02	2.00	1 / 1	24.66	26.66	0.463	33.01	-6.35
	16-QAM	3525.00	2.00	1 / 1	24.66	26.66	0.463	33.01	-6.35
	64-QAM	3525.00	2.00	1 / 1	23.37	25.37	0.344	33.01	-7.64
	256-QAM	3500.01	2.00	1 / 64	21.27	23.27	0.212	33.01	-9.74
	256-QAM	3480.00	2.00	1 / 81	25.63	27.63	0.580	33.01	-5.38
60 MHz	π/2 BPSK	3500.01	2.00	1 / 81	25.64	27.64	0.581	33.01	-5.37
		3519.99	2.00	1 / 81	25.70	27.70	0.589	33.01	-5.31
		3480.00	2.00	1 / 81	25.57	27.57	0.572	33.01	-5.44
	QPSK	3500.01	2.00	1 / 81	25.65	27.65	0.582	33.01	-5.36
		3519.99	2.00	1 / 81	25.56	27.56	0.570	33.01	-5.45
		3480.00	2.00	1 / 81	24.77	26.77	0.476	33.01	-6.24
	16-QAM	3519.99	2.00	1 / 81	24.77	26.77	0.476	33.01	-6.24
	64-QAM	3480.00	2.00	1 / 81	23.32	25.32	0.340	33.01	-7.69
	256-QAM	3500.01	2.00	1 / 81	21.30	23.30	0.214	33.01	-9.71
	256-QAM	3485.01	2.00	1 / 1	25.50	27.50	0.563	33.01	-5.51
70 MHz	π/2 BPSK	3500.01	2.00	1 / 187	25.64	27.64	0.581	33.01	-5.37
		3514.98	2.00	1 / 90	25.70	27.70	0.589	33.01	-5.31
		3485.01	2.00	1 / 1	25.54	27.54	0.567	33.01	-5.47
	QPSK	3500.01	2.00	1 / 90	25.51	27.51	0.564	33.01	-5.50
		3514.98	2.00	1 / 1	25.54	27.54	0.567	33.01	-5.47
		3485.01	2.00	1 / 90	24.92	26.92	0.492	33.01	-6.09
	16-QAM	3514.98	2.00	1 / 1	23.31	25.31	0.340	33.01	-7.70
	64-QAM	3514.98	2.00	1 / 1	23.31	25.31	0.340	33.01	-7.70
	256-QAM	3514.98	2.00	1 / 1	21.32	23.32	0.215	33.01	-9.69
	256-QAM	3490.02	2.00	1 / 1	25.58	27.58	0.572	33.01	-5.43
80 MHz	π/2 BPSK	3500.01	2.00	1 / 1	25.68	27.68	0.587	33.01	-5.33
		3510.00	2.00	1 / 108	25.66	27.66	0.583	33.01	-5.35
		3490.02	2.00	1 / 108	25.68	27.68	0.586	33.01	-5.33
	QPSK	3500.01	2.00	1 / 108	25.70	27.70	0.589	33.01	-5.31
		3510.00	2.00	1 / 108	25.64	27.64	0.581	33.01	-5.37
		3490.02	2.00	1 / 108	24.77	26.77	0.475	33.01	-6.24
	16-QAM	3510.00	2.00	1 / 108	24.77	26.77	0.475	33.01	-6.24
	64-QAM	3490.02	2.00	1 / 108	23.33	25.33	0.341	33.01	-7.68
	256-QAM	3510.00	2.00	1 / 1	21.23	23.23	0.210	33.01	-9.78
	256-QAM	3495.00	2.00	1 / 243	25.56	27.56	0.570	33.01	-5.45
90 MHz	π/2 BPSK	3500.01	2.00	1 / 120	25.45	27.45	0.556	33.01	-5.56
		3504.99	2.00	1 / 243	25.70	27.70	0.589	33.01	-5.31
		3495.00	2.00	1 / 243	25.63	27.63	0.580	33.01	-5.38
	QPSK	3500.01	2.00	1 / 243	25.58	27.58	0.573	33.01	-5.43
		3504.99	2.00	1 / 120	25.64	27.64	0.581	33.01	-5.37
		3495.00	2.00	1 / 243	24.91	26.91	0.491	33.01	-6.10
	16-QAM	3504.99	2.00	1 / 243	24.91	26.91	0.491	33.01	-6.10
	64-QAM	3504.99	2.00	1 / 120	23.28	25.28	0.337	33.01	-7.73
	256-QAM	3504.99	2.00	1 / 120	21.30	23.30	0.214	33.01	-9.71
	256-QAM	3500.01	2.00	1 / 271	25.70	27.70	0.589	33.01	-5.31
100 MHz	π/2 BPSK	3500.01	2.00	1 / 135	25.24	27.24	0.530	33.01	-5.77
	QPSK	3500.01	2.00	1 / 271	24.68	26.68	0.466	33.01	-6.33
	16-QAM	3500.01	2.00	1 / 271	23.76	25.76	0.377	33.01	-7.25
	256-QAM	3500.01	2.00	1 / 135	21.42	23.42	0.220	33.01	-9.59

Table 7-3. Antenna 3b EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 235 of 266

V2.2 09/07/2023

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	2.40	1 / 22	27.04	29.44	0.879	33.01	-3.57
		3840.00	2.40	1 / 12	27.07	29.47	0.885	33.01	-3.54
		3975.00	2.40	1 / 22	26.94	29.34	0.859	33.01	-3.67
	QPSK	3705.00	2.40	1 / 22	26.99	29.39	0.869	33.01	-3.62
		3840.00	2.40	1 / 22	27.10	29.50	0.891	33.01	-3.51
		3975.00	2.40	1 / 22	27.00	29.40	0.871	33.01	-3.61
	16-QAM	3975.00	2.40	1 / 1	26.14	28.54	0.714	33.01	-4.47
	64-QAM	3975.00	2.40	1 / 12	25.07	27.47	0.558	33.01	-5.54
	256-QAM	3840.00	2.40	1 / 1	22.20	24.60	0.288	33.01	-8.41
	15 MHz	π/2 BPSK	3707.51	2.40	1 / 1	26.91	29.31	0.853	33.01
3840.00			2.40	1 / 18	27.00	29.40	0.871	33.01	-3.61
3972.50			2.40	1 / 36	27.10	29.50	0.891	33.01	-3.51
QPSK		3707.51	2.40	1 / 18	27.05	29.45	0.881	33.01	-3.56
		3840.00	2.40	1 / 36	27.05	29.45	0.881	33.01	-3.56
		3972.50	2.40	1 / 36	26.92	29.32	0.855	33.01	-3.69
16-QAM		3840.00	2.40	1 / 1	25.99	28.39	0.690	33.01	-4.62
64-QAM		3707.51	2.40	1 / 36	25.03	27.43	0.553	33.01	-5.58
256-QAM		3972.50	2.40	1 / 1	22.15	24.55	0.285	33.01	-8.46
20 MHz		π/2 BPSK	3710.01	2.40	1 / 49	27.07	29.47	0.885	33.01
	3840.00		2.40	1 / 1	27.10	29.50	0.891	33.01	-3.51
	3969.99		2.40	1 / 25	26.69	29.09	0.811	33.01	-3.92
	QPSK	3710.01	2.40	1 / 1	27.08	29.48	0.887	33.01	-3.53
		3840.00	2.40	1 / 25	26.90	29.30	0.851	33.01	-3.71
		3969.99	2.40	1 / 49	27.07	29.47	0.885	33.01	-3.54
	16-QAM	3840.00	2.40	1 / 1	26.09	28.49	0.706	33.01	-4.52
	64-QAM	3710.01	2.40	1 / 25	25.10	27.50	0.562	33.01	-5.51
	256-QAM	3969.99	2.40	1 / 1	22.18	24.58	0.287	33.01	-8.43
	30 MHz	π/2 BPSK	3715.02	2.40	1 / 1	26.81	29.21	0.834	33.01
3840.00			2.40	1 / 1	26.98	29.38	0.867	33.01	-3.63
3964.98			2.40	1 / 76	26.88	29.28	0.847	33.01	-3.73
QPSK		3715.02	2.40	1 / 1	27.10	29.50	0.891	33.01	-3.51
		3840.00	2.40	1 / 1	26.99	29.39	0.869	33.01	-3.62
		3964.98	2.40	1 / 76	26.95	29.35	0.861	33.01	-3.66
16-QAM		3964.98	2.40	1 / 36	26.01	28.41	0.693	33.01	-4.60
64-QAM		3964.98	2.40	1 / 1	25.08	27.48	0.560	33.01	-5.53
256-QAM		3964.98	2.40	1 / 1	22.17	24.57	0.286	33.01	-8.44
40 MHz		π/2 BPSK	3720.00	2.40	1 / 50	27.00	29.40	0.871	33.01
	3840.00		2.40	1 / 104	27.10	29.50	0.891	33.01	-3.51
	3960.00		2.40	1 / 1	26.87	29.27	0.845	33.01	-3.74
	QPSK	3720.00	2.40	1 / 50	27.07	29.47	0.885	33.01	-3.54
		3840.00	2.40	1 / 50	27.05	29.45	0.881	33.01	-3.56
		3960.00	2.40	1 / 104	27.09	29.49	0.889	33.01	-3.52
	16-QAM	3840.00	2.40	1 / 50	26.18	28.58	0.721	33.01	-4.43
	64-QAM	3840.00	2.40	1 / 1	25.16	27.56	0.570	33.01	-5.45
	256-QAM	3720.00	2.40	1 / 104	22.08	24.48	0.281	33.01	-8.53
	50 MHz	π/2 BPSK	3725.01	2.40	1 / 64	26.98	29.38	0.867	33.01
3840.00			2.40	1 / 131	27.04	29.44	0.879	33.01	-3.57
3954.99			2.40	1 / 64	27.01	29.41	0.873	33.01	-3.60
QPSK		3725.01	2.40	1 / 131	27.10	29.50	0.891	33.01	-3.51
		3840.00	2.40	1 / 1	26.82	29.22	0.836	33.01	-3.79
		3954.99	2.40	1 / 131	27.09	29.49	0.889	33.01	-3.52
16-QAM		3725.01	2.40	1 / 1	26.08	28.48	0.705	33.01	-4.53
64-QAM		3954.99	2.40	1 / 131	25.12	27.52	0.565	33.01	-5.49
256-QAM		3840.00	2.40	1 / 1	22.15	24.55	0.285	33.01	-8.46
60 MHz		π/2 BPSK	3730.02	2.40	1 / 81	26.94	29.34	0.859	33.01
	3840.00		2.40	1 / 81	27.00	29.40	0.871	33.01	-3.61
	3949.98		2.40	1 / 160	26.83	29.23	0.838	33.01	-3.78
	QPSK	3730.02	2.40	1 / 81	26.92	29.32	0.855	33.01	-3.69
		3840.00	2.40	1 / 1	27.10	29.50	0.891	33.01	-3.51
		3949.98	2.40	1 / 81	26.97	29.37	0.865	33.01	-3.64
	16-QAM	3840.00	2.40	1 / 160	26.11	28.51	0.710	33.01	-4.50
	64-QAM	3730.02	2.40	1 / 1	25.03	27.43	0.553	33.01	-5.58
	256-QAM	3730.02	2.40	1 / 81	22.20	24.60	0.288	33.01	-8.41
	70 MHz	π/2 BPSK	3735.00	2.40	1 / 90	27.08	29.48	0.887	33.01
3840.00			2.40	1 / 90	27.09	29.49	0.889	33.01	-3.52
3945.00			2.40	1 / 187	27.10	29.50	0.891	33.01	-3.51
QPSK		3735.00	2.40	1 / 1	27.09	29.49	0.889	33.01	-3.52
		3840.00	2.40	1 / 1	27.10	29.50	0.891	33.01	-3.51
		3945.00	2.40	1 / 1	26.94	29.34	0.859	33.01	-3.67
16-QAM		3945.00	2.40	1 / 90	26.10	28.50	0.708	33.01	-4.51
64-QAM		3735.00	2.40	1 / 90	24.98	27.38	0.547	33.01	-5.63
256-QAM		3735.00	2.40	1 / 187	22.18	24.58	0.287	33.01	-8.43
80 MHz		π/2 BPSK	3740.01	2.40	1 / 1	27.05	29.45	0.881	33.01
	3840.00		2.40	1 / 214	26.94	29.34	0.859	33.01	-3.67
	3939.99		2.40	1 / 214	27.10	29.50	0.891	33.01	-3.51
	QPSK	3740.01	2.40	1 / 1	26.89	29.29	0.849	33.01	-3.72
		3840.00	2.40	1 / 1	27.06	29.46	0.883	33.01	-3.55
		3939.99	2.40	1 / 1	26.94	29.34	0.859	33.01	-3.67
	16-QAM	3840.00	2.40	1 / 108	26.15	28.55	0.716	33.01	-4.46
	64-QAM	3740.01	2.40	1 / 1	25.13	27.53	0.566	33.01	-5.48
	256-QAM	3939.99	2.40	1 / 1	22.16	24.56	0.286	33.01	-8.45
	90 MHz	π/2 BPSK	3745.02	2.40	1 / 243	26.85	29.25	0.841	33.01
3840.00			2.40	1 / 243	27.00	29.40	0.871	33.01	-3.61
3934.98			2.40	1 / 1	27.10	29.50	0.891	33.01	-3.51
QPSK		3745.02	2.40	1 / 1	26.95	29.35	0.861	33.01	-3.66
		3840.00	2.40	1 / 120	26.84	29.24	0.839	33.01	-3.77
		3934.98	2.40	1 / 243	27.10	29.50	0.891	33.01	-3.51
16-QAM		3745.02	2.40	1 / 1	26.05	28.45	0.700	33.01	-4.56
64-QAM		3745.02	2.40	1 / 1	25.04	27.44	0.555	33.01	-5.57
256-QAM		3934.98	2.40	1 / 243	22.15	24.55	0.285	33.01	-8.46
100 MHz		π/2 BPSK	3750.00	2.40	1 / 1	26.97	29.37	0.865	33.01
	3840.00		2.40	1 / 271	26.89	29.29	0.849	33.01	-3.72
	3930.00		2.40	1 / 271	27.09	29.49	0.889	33.01	-3.52
	QPSK	3750.00	2.40	1 / 135	27.07	29.47	0.885	33.01	-3.54
		3840.00	2.40	1 / 1	27.10	29.50	0.891	33.01	-3.51
		3930.00	2.40	1 / 135	27.08	29.48	0.887	33.01	-3.53
	16-QAM	3750.00	2.40	1 / 135	26.10	28.50	0.708	33.01	-4.51
	64-QAM	3930.00	2.40	1 / 135	25.01	27.41	0.551	33.01	-5.60
	256-QAM	3840.00	2.40	1 / 271	22.19	24.59	0.288	33.01	-8.42

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	2.40	1 / 12	25.45	27.85	0.609	33.01	-5.16
		3840.00	2.40	1 / 12	25.45	27.85	0.609	33.01	-5.16
		3975.00	2.40	1 / 12	25.70	28.10	0.645	33.01	-4.91
	QPSK	3705.00	2.40	1 / 12	25.42	27.82	0.606	33.01	-5.19
		3840.00	2.40	1 / 12	25.48	27.88	0.614	33.01	-5.13
		3975.00	2.40	1 / 12	25.70	28.10	0.646	33.01	-4.91
	16-QAM	3975.00	2.40	1 / 12	24.66	27.06	0.509	33.01	-5.95
	64-QAM	3975.00	2.40	1 / 22	23.26	25.66	0.368	33.01	-7.35
	256-QAM	3975.00	2.40	1 / 22	21.20	23.60	0.229	33.01	-9.41
	256-QAM	3975.00	2.40	1 / 22	21.20	23.60	0.229	33.01	-9.41
15 MHz	π/2 BPSK	3707.51	2.40	1 / 36	25.70	28.10	0.645	33.01	-4.91
		3840.00	2.40	1 / 18	25.64	28.04	0.637	33.01	-4.97
		3972.50	2.40	1 / 1	25.70	28.10	0.646	33.01	-4.91
	QPSK	3707.51	2.40	1 / 1	25.63	28.03	0.635	33.01	-4.98
		3840.00	2.40	1 / 36	25.67	28.07	0.642	33.01	-4.94
		3972.50	2.40	1 / 36	25.69	28.09	0.643	33.01	-4.94
	16-QAM	3707.51	2.40	1 / 18	24.74	27.14	0.518	33.01	-5.87
	64-QAM	3972.50	2.40	1 / 1	23.39	25.79	0.379	33.01	-7.22
	256-QAM	3840.00	2.40	1 / 1	21.33	23.73	0.236	33.01	-9.28
	256-QAM	3840.00	2.40	1 / 1	21.33	23.73	0.236	33.01	-9.28
20 MHz	π/2 BPSK	3710.01	2.40	1 / 25	25.57	27.97	0.627	33.01	-5.04
		3840.00	2.40	1 / 25	25.66	28.06	0.640	33.01	-4.95
		3969.99	2.40	1 / 1	25.70	28.10	0.646	33.01	-4.91
	QPSK	3710.01	2.40	1 / 1	25.58	27.98	0.628	33.01	-5.03
		3840.00	2.40	1 / 25	25.64	28.04	0.637	33.01	-4.97
		3969.99	2.40	1 / 25	25.68	28.08	0.643	33.01	-4.93
	16-QAM	3969.99	2.40	1 / 25	24.85	27.25	0.531	33.01	-5.76
	64-QAM	3840.00	2.40	1 / 49	23.40	25.80	0.380	33.01	-7.21
	256-QAM	3840.00	2.40	1 / 25	21.27	23.67	0.233	33.01	-9.34
	256-QAM	3840.00	2.40	1 / 25	21.27	23.67	0.233	33.01	-9.34
30 MHz	π/2 BPSK	3715.02	2.40	1 / 1	25.59	27.99	0.630	33.01	-5.02
		3840.00	2.40	1 / 1	25.62	28.02	0.634	33.01	-4.99
		3964.98	2.40	1 / 1	25.63	28.03	0.636	33.01	-4.98
	QPSK	3715.02	2.40	1 / 1	25.60	28.00	0.630	33.01	-5.02
		3840.00	2.40	1 / 1	25.68	28.08	0.642	33.01	-4.93
		3964.98	2.40	1 / 1	25.70	28.10	0.646	33.01	-4.91
	16-QAM	3964.98	2.40	1 / 1	24.78	27.18	0.523	33.01	-5.83
	64-QAM	3964.98	2.40	1 / 1	23.33	25.73	0.374	33.01	-7.28
	256-QAM	3964.98	2.40	1 / 36	21.31	23.71	0.235	33.01	-9.30
	256-QAM	3964.98	2.40	1 / 36	21.31	23.71	0.235	33.01	-9.30
40 MHz	π/2 BPSK	3720.00	2.40	1 / 1	25.68	28.08	0.643	33.01	-4.93
		3840.00	2.40	1 / 104	25.67	28.07	0.642	33.01	-4.94
		3960.00	2.40	1 / 1	25.70	28.10	0.646	33.01	-4.91
	QPSK	3720.00	2.40	1 / 104	25.55	27.95	0.623	33.01	-5.06
		3840.00	2.40	1 / 50	25.49	27.89	0.615	33.01	-5.12
		3960.00	2.40	1 / 1	25.66	28.06	0.640	33.01	-4.95
	16-QAM	3960.00	2.40	1 / 50	24.94	27.34	0.542	33.01	-5.67
	64-QAM	3960.00	2.40	1 / 1	23.13	25.53	0.357	33.01	-7.48
	256-QAM	3960.00	2.40	1 / 1	21.23	23.63	0.231	33.01	-9.38
	256-QAM	3960.00	2.40	1 / 1	21.23	23.63	0.231	33.01	-9.38
50 MHz	π/2 BPSK	3725.01	2.40	1 / 64	25.25	27.65	0.582	33.01	-5.36
		3840.00	2.40	1 / 64	25.32	27.72	0.591	33.01	-5.29
		3954.99	2.40	1 / 64	25.47	27.87	0.612	33.01	-5.14
	QPSK	3725.01	2.40	1 / 64	25.20	27.60	0.576	33.01	-5.41
		3840.00	2.40	1 / 131	25.40	27.80	0.602	33.01	-5.22
		3954.99	2.40	1 / 64	25.50	27.90	0.616	33.01	-5.11
	16-QAM	3840.00	2.40	1 / 131	24.69	27.09	0.512	33.01	-5.92
	64-QAM	3954.99	2.40	1 / 131	22.97	25.37	0.344	33.01	-7.64
	256-QAM	3954.99	2.40	1 / 64	20.97	23.37	0.217	33.01	-9.64
	256-QAM	3954.99	2.40	1 / 64	20.97	23.37	0.217	33.01	-9.64
60 MHz	π/2 BPSK	3730.02	2.40	1 / 1	24.98	27.38	0.547	33.01	-5.63
		3840.00	2.40	1 / 81	25.33	27.73	0.592	33.01	-5.28
		3949.98	2.40	1 / 1	25.25	27.65	0.582	33.01	-5.36
	QPSK	3730.02	2.40	1 / 1	25.06	27.46	0.557	33.01	-5.55
		3840.00	2.40	1 / 160	25.40	27.80	0.603	33.01	-5.21
		3949.98	2.40	1 / 81	25.33	27.73	0.592	33.01	-5.29
	16-QAM	3949.98	2.40	1 / 81	24.64	27.04	0.506	33.01	-5.97
	64-QAM	3840.00	2.40	1 / 81	23.15	25.55	0.359	33.01	-7.46
	256-QAM	3949.98	2.40	1 / 81	21.07	23.47	0.222	33.01	-9.54
	256-QAM	3949.98	2.40	1 / 81	21.07	23.47	0.222	33.01	-9.54
70 MHz	π/2 BPSK	3735.00	2.40	1 / 1	25.50	27.90	0.617	33.01	-5.11
		3840.00	2.40	1 / 187	25.44	27.84	0.607	33.01	-5.18
		3945.00	2.40	1 / 1	25.55	27.95	0.623	33.01	-5.06
	QPSK	3735.00	2.40	1 / 90	25.31	27.71	0.591	33.01	-5.30
		3840.00	2.40	1 / 90	25.38	27.78	0.600	33.01	-5.23
		3945.00	2.40	1 / 1	25.64	28.04	0.637	33.01	-4.97
	16-QAM	3945.00	2.40	1 / 90	24.56	26.96	0.496	33.01	-6.06
	64-QAM	3945.00	2.40	1 / 1	23.20	25.60	0.363	33.01	-7.41
	256-QAM	3945.00	2.40	1 / 1	21.14	23.54	0.226	33.01	-9.47
	256-QAM	3945.00	2.40	1 / 1	21.14	23.54	0.226	33.01	-9.47
80 MHz	π/2 BPSK	3740.01	2.40	1 / 108	25.25	27.65	0.582	33.01	-5.36
		3840.00	2.40	1 / 108	25.37	27.77	0.598	33.01	-5.24
		3939.99	2.40	1 / 1	25.44	27.84	0.608	33.01	-5.17
	QPSK	3740.01	2.40	1 / 108	25.26	27.66	0.584	33.01	-5.35
		3840.00	2.40	1 / 108	25.49	27.89	0.614	33.01	-5.13
		3939.99	2.40	1 / 108	25.51	27.91	0.618	33.01	-5.10
	16-QAM	3939.99	2.40	1 / 108	24.61	27.01	0.502	33.01	-6.00
	64-QAM	3939.99	2.40	1 / 1	23.05	25.45	0.351	33.01	-7.56
	256-QAM	3939.99	2.40	1 / 108	21.03	23.43	0.221	33.01	-9.58
	256-QAM	3939.99	2.40	1 / 108	21.03	23.43	0.221	33.01	-9.58
90 MHz	π/2 BPSK	3745.02	2.40	1 / 120	25.35	27.75	0.595	33.01	-5.27
		3840.00	2.40	1 / 243	25.47	27.87	0.613	33.01	-5.14
		3934.98	2.40	1 / 120	25.60	28.00	0.631	33.01	-5.01
	QPSK	3745.02	2.40	1 / 120	25.37	27.77	0.598	33.01	-5.24
		3840.00	2.40	1 / 120	25.34	27.74	0.595	33.01	-5.27
		3934.98	2.40	1 / 120	25.50	27.90	0.616	33.01	-5.11
	16-QAM	3934.98	2.40	1 / 243	24.26	26.66	0.464	33.01	-6.35
	64-QAM	3934.98	2.40	1 / 243	22.87	25.27	0.337	33.01	-7.74
	256-QAM	3934.98	2.40	1 / 120	20.70	23.10	0.204	33.01	-9.91
	256-QAM	3934.98	2.40	1 / 120	20.70	23.10	0.204	33.01	-9.91
100 MHz	π/2 BPSK	3750.00	2.40	1 / 1	24.88	27.28	0.535	33.01	-5.73
		3840.00	2.40	1 / 135	25.13	27.53	0.567	33.01	-5.48
		3930.00	2.40	1 / 135	25.20	27.60	0.575	33.01	-5.41
	QPSK	3750.00	2.40	1 / 1	25.02	27.42	0.552	33.01	-5.59
		3840.00	2.40	1 / 135	25.27	27.67	0.585	33.01	-5.34
		3930.00	2.40	1 / 271	25.44	27.84	0.607	33.01	-5.18
	16-QAM	3930.00	2.40	1 / 271	24.47	26.87	0.487	33.01	-6.14
64-QAM	3930.00	2.40	1 / 271	23.11	25.51	0.355	33.01	-7.50	
256-QAM	3930.00	2.40	1 / 271	20.67	23.07	0.203	33.01	-9.99	

7.6.2 Antenna 2a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
10 MHz	m/2 BPSK	3455.01	1.70	1 / 22	23.17	24.87	0.307	33.01	-8.14	
		3500.01	1.70	1 / 22	23.24	24.94	0.312	33.01	-8.07	
		3544.98	1.70	1 / 12	23.28	24.98	0.315	33.01	-8.03	
		3455.01	1.70	1 / 22	23.18	24.88	0.308	33.01	-8.13	
	QPSK	3500.01	1.70	1 / 1	23.26	24.96	0.313	33.01	-8.05	
		3544.98	1.70	1 / 1	23.30	25.00	0.316	33.01	-8.01	
		16-QAM	3544.98	1.70	1 / 1	22.43	24.13	0.259	33.01	-8.88
		64-QAM	3544.98	1.70	1 / 22	20.88	22.58	0.181	33.01	-10.43
256-QAM	3544.98	1.70	1 / 12	18.80	20.50	0.112	33.01	-12.51		
15 MHz	m/2 BPSK	3457.50	1.70	1 / 1	23.32	25.02	0.318	33.01	-7.99	
		3500.01	1.70	1 / 1	23.38	25.08	0.322	33.01	-7.93	
		3542.49	1.70	1 / 36	23.36	25.06	0.321	33.01	-7.95	
		3457.50	1.70	1 / 1	23.32	25.02	0.317	33.01	-7.99	
	QPSK	3500.01	1.70	1 / 1	23.36	25.06	0.321	33.01	-7.95	
		3542.49	1.70	1 / 36	23.32	25.02	0.318	33.01	-7.99	
		16-QAM	3542.49	1.70	1 / 36	22.77	24.47	0.280	33.01	-8.54
		64-QAM	3500.01	1.70	1 / 1	20.88	22.58	0.181	33.01	-10.43
256-QAM	3457.50	1.70	1 / 1	18.79	20.49	0.112	33.01	-12.52		
20 MHz	m/2 BPSK	3460.02	1.70	1 / 49	23.28	24.98	0.315	33.01	-8.03	
		3500.01	1.70	1 / 49	23.28	24.98	0.315	33.01	-8.03	
		3540.00	1.70	1 / 1	23.34	25.04	0.319	33.01	-7.97	
		3460.02	1.70	1 / 1	23.28	24.98	0.315	33.01	-8.03	
	QPSK	3500.01	1.70	1 / 49	23.37	25.07	0.321	33.01	-7.95	
		3540.00	1.70	1 / 49	23.29	24.99	0.316	33.01	-8.02	
		16-QAM	3500.01	1.70	1 / 1	22.42	24.12	0.258	33.01	-8.89
		64-QAM	3540.00	1.70	1 / 1	20.87	22.57	0.181	33.01	-10.44
256-QAM	3500.01	1.70	1 / 1	18.88	20.58	0.114	33.01	-12.43		
30 MHz	m/2 BPSK	3465.00	1.70	1 / 1	23.45	25.15	0.327	33.01	-7.86	
		3500.01	1.70	1 / 1	23.42	25.12	0.325	33.01	-7.89	
		3534.99	1.70	1 / 1	23.49	25.19	0.330	33.01	-7.82	
		3465.00	1.70	1 / 1	23.47	25.17	0.329	33.01	-7.84	
	QPSK	3500.01	1.70	1 / 1	23.44	25.14	0.327	33.01	-7.87	
		3534.99	1.70	1 / 1	23.49	25.19	0.330	33.01	-7.83	
		16-QAM	3465.00	1.70	1 / 1	22.62	24.32	0.271	33.01	-8.69
		64-QAM	3465.00	1.70	1 / 1	21.04	22.74	0.188	33.01	-10.27
256-QAM	3534.99	1.70	1 / 1	18.97	20.67	0.117	33.01	-12.34		
40 MHz	m/2 BPSK	3470.01	1.70	1 / 1	23.45	25.15	0.328	33.01	-7.86	
		3500.01	1.70	1 / 104	23.48	25.18	0.330	33.01	-7.83	
		3529.98	1.70	1 / 1	23.48	25.18	0.330	33.01	-7.83	
		3470.01	1.70	1 / 1	23.49	25.19	0.330	33.01	-7.82	
	QPSK	3500.01	1.70	1 / 104	23.50	25.20	0.331	33.01	-7.81	
		3529.98	1.70	1 / 104	23.47	25.17	0.329	33.01	-7.84	
		16-QAM	3529.98	1.70	1 / 1	22.55	24.25	0.266	33.01	-8.76
		64-QAM	3529.98	1.70	1 / 104	21.13	22.83	0.192	33.01	-10.18
256-QAM	3470.01	1.70	1 / 1	19.03	20.73	0.118	33.01	-12.28		
50 MHz	m/2 BPSK	3475.02	1.70	1 / 1	23.20	24.90	0.309	33.01	-8.11	
		3500.01	1.70	1 / 1	23.22	24.92	0.310	33.01	-8.09	
		3525.00	1.70	1 / 1	23.16	24.86	0.306	33.01	-8.15	
		3475.02	1.70	1 / 1	23.20	24.90	0.309	33.01	-8.11	
	QPSK	3500.01	1.70	1 / 1	23.12	24.82	0.303	33.01	-8.19	
		3525.00	1.70	1 / 1	23.17	24.87	0.307	33.01	-8.14	
		16-QAM	3500.01	1.70	1 / 1	22.45	24.15	0.260	33.01	-8.86
		64-QAM	3525.00	1.70	1 / 1	20.71	22.41	0.174	33.01	-10.60
256-QAM	3475.02	1.70	1 / 64	18.69	20.39	0.109	33.01	-12.62		
60 MHz	m/2 BPSK	3480.00	1.70	1 / 81	23.28	24.98	0.315	33.01	-8.03	
		3500.01	1.70	1 / 81	23.13	24.83	0.304	33.01	-8.18	
		3519.99	1.70	1 / 1	23.04	24.74	0.298	33.01	-8.27	
		3480.00	1.70	1 / 81	23.24	24.94	0.312	33.01	-8.07	
	QPSK	3500.01	1.70	1 / 1	23.15	24.85	0.305	33.01	-8.16	
		3519.99	1.70	1 / 81	23.19	24.89	0.308	33.01	-8.12	
		16-QAM	3480.00	1.70	1 / 81	22.40	24.10	0.257	33.01	-8.91
		64-QAM	3480.00	1.70	1 / 81	20.71	22.41	0.174	33.01	-10.60
256-QAM	3480.00	1.70	1 / 81	18.75	20.45	0.111	33.01	-12.56		
70 MHz	m/2 BPSK	3485.01	1.70	1 / 90	23.12	24.82	0.304	33.01	-8.19	
		3500.01	1.70	1 / 187	23.23	24.93	0.311	33.01	-8.08	
		3514.98	1.70	1 / 187	23.14	24.84	0.305	33.01	-8.17	
		3485.01	1.70	1 / 1	23.22	24.92	0.311	33.01	-8.09	
	QPSK	3500.01	1.70	1 / 187	23.21	24.91	0.310	33.01	-8.10	
		3514.98	1.70	1 / 1	23.24	24.94	0.312	33.01	-8.07	
		16-QAM	3485.01	1.70	1 / 90	22.32	24.02	0.253	33.01	-8.99
		64-QAM	3514.98	1.70	1 / 90	20.91	22.61	0.182	33.01	-10.40
256-QAM	3514.98	1.70	1 / 1	18.69	20.39	0.109	33.01	-12.62		
80 MHz	m/2 BPSK	3490.02	1.70	1 / 1	23.13	24.83	0.304	33.01	-8.18	
		3500.01	1.70	1 / 1	23.19	24.89	0.309	33.01	-8.12	
		3510.00	1.70	1 / 108	23.26	24.96	0.314	33.01	-8.05	
		3490.02	1.70	1 / 108	23.12	24.82	0.303	33.01	-8.19	
	QPSK	3500.01	1.70	1 / 214	23.23	24.93	0.311	33.01	-8.08	
		3510.00	1.70	1 / 108	23.18	24.88	0.308	33.01	-8.13	
		16-QAM	3490.02	1.70	1 / 108	22.34	24.04	0.253	33.01	-8.97
		64-QAM	3490.02	1.70	1 / 214	20.82	22.52	0.179	33.01	-10.49
256-QAM	3510.00	1.70	1 / 108	18.74	20.44	0.111	33.01	-12.57		
90 MHz	m/2 BPSK	3495.00	1.70	1 / 120	23.18	24.88	0.307	33.01	-8.13	
		3500.01	1.70	1 / 243	23.16	24.86	0.306	33.01	-8.15	
		3504.99	1.70	1 / 243	23.37	25.07	0.321	33.01	-7.94	
		3495.00	1.70	1 / 243	23.27	24.97	0.314	33.01	-8.04	
	QPSK	3500.01	1.70	1 / 243	23.26	24.96	0.313	33.01	-8.05	
		3504.99	1.70	1 / 243	23.20	24.90	0.309	33.01	-8.11	
		16-QAM	3500.01	1.70	1 / 243	22.35	24.05	0.254	33.01	-8.96
		64-QAM	3500.01	1.70	1 / 1	20.78	22.48	0.177	33.01	-10.53
256-QAM	3504.99	1.70	1 / 243	18.80	20.50	0.112	33.01	-12.51		
100 MHz	m/2 BPSK	3500.01	1.70	1 / 271	23.27	24.97	0.314	33.01	-8.04	
	QPSK	3500.01	1.70	1 / 271	23.25	24.95	0.313	33.01	-8.06	
	16-QAM	3500.01	1.70	1 / 271	21.67	23.37	0.217	33.01	-9.64	
	64-QAM	3500.01	1.70	1 / 1	20.87	22.57	0.181	33.01	-10.44	
256-QAM	3500.01	1.70	1 / 271	18.72	20.42	0.110	33.01	-12.59		

Table 7-6. Antenna 2a EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 238 of 266

V2.2 09/07/2023

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.70	1 / 12	23.12	24.82	0.303	33.01	-8.19
		3500.01	1.70	1 / 22	23.15	24.85	0.305	33.01	-8.16
		3544.98	1.70	1 / 22	23.23	24.93	0.311	33.01	-8.08
	QPSK	3455.01	1.70	1 / 12	23.14	24.84	0.305	33.01	-8.17
		3500.01	1.70	1 / 12	23.16	24.86	0.306	33.01	-8.15
		3544.98	1.70	1 / 22	23.26	24.96	0.313	33.01	-8.05
15 MHz	16-QAM	3500.01	1.70	1 / 22	22.27	23.97	0.250	33.01	-9.04
	64-QAM	3455.01	1.70	1 / 12	20.72	22.42	0.175	33.01	-10.59
	256-QAM	3500.01	1.70	1 / 22	18.72	20.42	0.110	33.01	-12.59
	π/2 BPSK	3457.50	1.70	1 / 1	23.30	25.00	0.316	33.01	-8.01
		3500.01	1.70	1 / 1	23.32	25.02	0.318	33.01	-7.99
		3542.49	1.70	1 / 36	23.38	25.08	0.322	33.01	-7.93
20 MHz	QPSK	3457.50	1.70	1 / 1	23.31	25.01	0.317	33.01	-8.00
		3500.01	1.70	1 / 1	23.32	25.02	0.318	33.01	-7.99
		3542.49	1.70	1 / 36	23.41	25.11	0.324	33.01	-7.90
	16-QAM	3542.49	1.70	1 / 18	22.55	24.25	0.266	33.01	-8.76
	64-QAM	3457.50	1.70	1 / 1	21.00	22.70	0.186	33.01	-10.31
	256-QAM	3542.49	1.70	1 / 36	18.84	20.54	0.113	33.01	-12.47
30 MHz	π/2 BPSK	3460.02	1.70	1 / 1	23.26	24.96	0.314	33.01	-8.05
		3500.01	1.70	1 / 1	23.36	25.06	0.320	33.01	-7.95
		3540.00	1.70	1 / 49	23.36	25.06	0.320	33.01	-7.96
	QPSK	3460.02	1.70	1 / 49	23.31	25.01	0.317	33.01	-8.00
		3500.01	1.70	1 / 1	23.34	25.04	0.319	33.01	-7.97
		3540.00	1.70	1 / 49	23.40	25.10	0.323	33.01	-7.92
40 MHz	16-QAM	3500.01	1.70	1 / 49	22.56	24.26	0.266	33.01	-8.75
	64-QAM	3540.00	1.70	1 / 49	20.99	22.69	0.186	33.01	-10.32
	256-QAM	3540.00	1.70	1 / 49	18.84	20.54	0.113	33.01	-12.47
	π/2 BPSK	3465.00	1.70	1 / 1	23.45	25.15	0.328	33.01	-7.86
		3500.01	1.70	1 / 76	23.45	25.15	0.327	33.01	-7.86
		3534.99	1.70	1 / 1	23.47	25.17	0.329	33.01	-7.84
50 MHz	QPSK	3465.00	1.70	1 / 1	23.40	25.10	0.324	33.01	-7.91
		3500.01	1.70	1 / 76	23.49	25.19	0.330	33.01	-7.82
		3534.99	1.70	1 / 1	23.45	25.15	0.327	33.01	-7.86
	16-QAM	3534.99	1.70	1 / 1	22.65	24.35	0.272	33.01	-8.66
	64-QAM	3534.99	1.70	1 / 1	21.01	22.71	0.187	33.01	-10.30
	256-QAM	3500.01	1.70	1 / 76	19.12	20.82	0.121	33.01	-12.19
60 MHz	π/2 BPSK	3470.01	1.70	1 / 1	23.43	25.13	0.326	33.01	-7.88
		3500.01	1.70	1 / 104	23.49	25.19	0.330	33.01	-7.82
		3529.98	1.70	1 / 1	23.49	25.19	0.330	33.01	-7.82
	QPSK	3470.01	1.70	1 / 104	23.48	25.18	0.330	33.01	-7.83
		3500.01	1.70	1 / 104	23.50	25.20	0.331	33.01	-7.81
		3529.98	1.70	1 / 104	23.50	25.20	0.331	33.01	-7.81
70 MHz	16-QAM	3529.98	1.70	1 / 104	22.57	24.27	0.267	33.01	-8.74
	64-QAM	3500.01	1.70	1 / 50	21.24	22.94	0.197	33.01	-10.07
	256-QAM	3529.98	1.70	1 / 1	18.89	20.59	0.114	33.01	-12.42
	π/2 BPSK	3475.02	1.70	1 / 64	23.07	24.77	0.300	33.01	-8.24
		3500.01	1.70	1 / 1	23.16	24.86	0.306	33.01	-8.15
		3525.00	1.70	1 / 1	23.08	24.78	0.301	33.01	-8.23
80 MHz	QPSK	3475.02	1.70	1 / 1	23.16	24.86	0.306	33.01	-8.15
		3500.01	1.70	1 / 1	22.99	24.69	0.295	33.01	-8.32
		3525.00	1.70	1 / 1	23.14	24.84	0.305	33.01	-8.17
	16-QAM	3500.01	1.70	1 / 64	22.20	23.90	0.246	33.01	-9.11
	64-QAM	3500.01	1.70	1 / 1	20.67	22.37	0.172	33.01	-10.64
	256-QAM	3525.00	1.70	1 / 1	18.79	20.49	0.112	33.01	-12.52
90 MHz	π/2 BPSK	3480.00	1.70	1 / 81	23.21	24.91	0.310	33.01	-8.10
		3500.01	1.70	1 / 1	23.09	24.79	0.301	33.01	-8.22
		3519.99	1.70	1 / 81	23.01	24.71	0.296	33.01	-8.30
	QPSK	3480.00	1.70	1 / 81	23.07	24.77	0.300	33.01	-8.24
		3500.01	1.70	1 / 1	23.08	24.78	0.301	33.01	-8.23
		3519.99	1.70	1 / 1	23.10	24.80	0.302	33.01	-8.21
100 MHz	16-QAM	3500.01	1.70	1 / 81	22.43	24.13	0.259	33.01	-8.88
	64-QAM	3519.99	1.70	1 / 160	20.70	22.40	0.174	33.01	-10.61
	256-QAM	3519.99	1.70	1 / 1	18.60	20.30	0.107	33.01	-12.71
	π/2 BPSK	3485.01	1.70	1 / 1	23.11	24.81	0.303	33.01	-8.20
		3500.01	1.70	1 / 187	23.13	24.83	0.304	33.01	-8.18
		3514.98	1.70	1 / 1	23.22	24.92	0.310	33.01	-8.09
100 MHz	QPSK	3485.01	1.70	1 / 1	23.04	24.74	0.298	33.01	-8.27
		3500.01	1.70	1 / 1	23.12	24.82	0.303	33.01	-8.19
		3514.98	1.70	1 / 187	23.12	24.82	0.303	33.01	-8.19
	16-QAM	3500.01	1.70	1 / 1	22.16	23.86	0.243	33.01	-9.15
	64-QAM	3500.01	1.70	1 / 1	20.67	22.37	0.173	33.01	-10.64
	256-QAM	3514.98	1.70	1 / 90	18.59	20.29	0.107	33.01	-12.72
100 MHz	π/2 BPSK	3490.02	1.70	1 / 1	23.11	24.81	0.303	33.01	-8.20
		3500.01	1.70	1 / 214	23.07	24.77	0.300	33.01	-8.24
		3510.00	1.70	1 / 214	23.10	24.80	0.302	33.01	-8.21
	QPSK	3490.02	1.70	1 / 214	23.12	24.82	0.304	33.01	-8.19
		3500.01	1.70	1 / 214	23.11	24.81	0.303	33.01	-8.20
		3510.00	1.70	1 / 108	23.14	24.84	0.305	33.01	-8.17
16-QAM	3500.01	1.70	1 / 1	22.28	23.98	0.250	33.01	-9.03	
64-QAM	3490.02	1.70	1 / 108	20.67	22.37	0.173	33.01	-10.64	
256-QAM	3500.01	1.70	1 / 108	18.58	20.28	0.107	33.01	-12.73	
100 MHz	π/2 BPSK	3495.00	1.70	1 / 243	23.11	24.81	0.303	33.01	-8.20
		3500.01	1.70	1 / 243	22.99	24.69	0.295	33.01	-8.32
		3504.99	1.70	1 / 120	23.11	24.81	0.303	33.01	-8.20
	QPSK	3495.00	1.70	1 / 243	23.31	25.01	0.317	33.01	-8.00
		3500.01	1.70	1 / 243	23.23	24.93	0.311	33.01	-8.08
		3504.99	1.70	1 / 243	23.16	24.86	0.306	33.01	-8.16
16-QAM	3495.00	1.70	1 / 1	22.29	23.99	0.250	33.01	-9.02	
64-QAM	3500.01	1.70	1 / 243	20.79	22.49	0.177	33.01	-10.52	
256-QAM	3500.01	1.70	1 / 1	18.61	20.31	0.107	33.01	-12.71	
100 MHz	π/2 BPSK	3500.01	1.70	1 / 271	23.19	24.89	0.308	33.01	-8.12
		3500.01	1.70	1 / 271	23.12	24.82	0.303	33.01	-8.19
		3500.01	1.70	1 / 135	21.31	23.01	0.200	33.01	-10.00
	16-QAM	3500.01	1.70	1 / 135	20.58	22.28	0.169	33.01	-10.73
	64-QAM	3500.01	1.70	1 / 135	18.72	20.42	0.110	33.01	-12.59
	256-QAM	3500.01	1.70	1 / 135	18.72	20.42	0.110	33.01	-12.59

Table 7-7. Antenna 2a EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 239 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	2.20	1 / 22	23.44	25.64	0.367	33.01	-7.37
		3840.00	2.20	1 / 1	23.22	25.42	0.348	33.01	-7.59
		3975.00	2.20	1 / 22	23.50	25.70	0.371	33.01	-7.31
	QPSK	3705.00	2.20	1 / 22	23.47	25.67	0.369	33.01	-7.34
		3840.00	2.20	1 / 12	23.28	25.48	0.354	33.01	-7.53
		3975.00	2.20	1 / 12	23.50	25.70	0.372	33.01	-7.31
	16-QAM	3975.00	2.20	1 / 12	22.43	24.63	0.290	33.01	-8.38
	64-QAM	3975.00	2.20	1 / 1	21.12	23.32	0.215	33.01	-9.69
	256-QAM	3975.00	2.20	1 / 12	18.89	21.09	0.129	33.01	-11.92
	256-QAM	3975.00	2.20	1 / 12	18.89	21.09	0.129	33.01	-11.92
15 MHz	π/2 BPSK	3707.51	2.20	1 / 36	23.32	25.52	0.356	33.01	-7.49
		3840.00	2.20	1 / 18	23.31	25.51	0.356	33.01	-7.50
		3972.50	2.20	1 / 36	23.49	25.69	0.371	33.01	-7.32
	QPSK	3707.51	2.20	1 / 1	23.31	25.51	0.355	33.01	-7.50
		3840.00	2.20	1 / 18	23.35	25.55	0.359	33.01	-7.46
		3972.50	2.20	1 / 36	23.50	25.70	0.372	33.01	-7.31
	16-QAM	3972.50	2.20	1 / 36	22.46	24.66	0.293	33.01	-8.35
	64-QAM	3972.50	2.20	1 / 1	21.21	23.41	0.219	33.01	-9.60
	256-QAM	3972.50	2.20	1 / 36	19.16	21.36	0.137	33.01	-11.65
	256-QAM	3972.50	2.20	1 / 36	19.16	21.36	0.137	33.01	-11.65
20 MHz	π/2 BPSK	3710.01	2.20	1 / 49	23.30	25.50	0.355	33.01	-7.51
		3840.00	2.20	1 / 1	23.41	25.61	0.364	33.01	-7.40
		3969.99	2.20	1 / 49	23.47	25.67	0.369	33.01	-7.34
	QPSK	3710.01	2.20	1 / 1	23.36	25.56	0.360	33.01	-7.45
		3840.00	2.20	1 / 25	23.44	25.64	0.367	33.01	-7.37
		3969.99	2.20	1 / 49	23.50	25.70	0.372	33.01	-7.31
	16-QAM	3969.99	2.20	1 / 1	22.64	24.84	0.305	33.01	-8.17
	64-QAM	3969.99	2.20	1 / 49	21.22	23.42	0.220	33.01	-9.59
	256-QAM	3969.99	2.20	1 / 49	19.10	21.30	0.135	33.01	-11.71
	256-QAM	3969.99	2.20	1 / 49	19.10	21.30	0.135	33.01	-11.71
30 MHz	π/2 BPSK	3715.02	2.20	1 / 1	23.14	25.34	0.342	33.01	-7.67
		3840.00	2.20	1 / 1	23.46	25.66	0.368	33.01	-7.35
		3964.98	2.20	1 / 1	23.38	25.58	0.361	33.01	-7.43
	QPSK	3715.02	2.20	1 / 76	23.32	25.52	0.357	33.01	-7.49
		3840.00	2.20	1 / 36	23.47	25.67	0.369	33.01	-7.34
		3964.98	2.20	1 / 1	23.50	25.70	0.372	33.01	-7.31
	16-QAM	3964.98	2.20	1 / 76	22.71	24.91	0.310	33.01	-8.10
	64-QAM	3964.98	2.20	1 / 76	21.29	23.49	0.223	33.01	-9.52
	256-QAM	3964.98	2.20	1 / 1	19.31	21.51	0.142	33.01	-11.50
	256-QAM	3964.98	2.20	1 / 1	19.31	21.51	0.142	33.01	-11.50
40 MHz	π/2 BPSK	3720.00	2.20	1 / 1	23.39	25.59	0.363	33.01	-7.42
		3840.00	2.20	1 / 104	23.50	25.70	0.371	33.01	-7.31
		3960.00	2.20	1 / 1	23.47	25.67	0.369	33.01	-7.34
	QPSK	3720.00	2.20	1 / 1	23.40	25.60	0.363	33.01	-7.41
		3840.00	2.20	1 / 1	23.22	25.42	0.348	33.01	-7.59
		3960.00	2.20	1 / 104	23.50	25.70	0.372	33.01	-7.31
	16-QAM	3720.00	2.20	1 / 1	22.62	24.82	0.303	33.01	-8.19
	64-QAM	3960.00	2.20	1 / 50	21.33	23.53	0.225	33.01	-9.48
	256-QAM	3960.00	2.20	1 / 1	19.35	21.55	0.143	33.01	-11.46
	256-QAM	3960.00	2.20	1 / 1	19.35	21.55	0.143	33.01	-11.46
50 MHz	π/2 BPSK	3725.01	2.20	1 / 64	23.50	25.70	0.372	33.01	-7.31
		3840.00	2.20	1 / 1	23.44	25.64	0.366	33.01	-7.38
		3954.99	2.20	1 / 1	23.38	25.58	0.362	33.01	-7.43
	QPSK	3725.01	2.20	1 / 64	23.48	25.68	0.370	33.01	-7.33
		3840.00	2.20	1 / 1	23.41	25.61	0.364	33.01	-7.40
		3954.99	2.20	1 / 64	23.45	25.65	0.368	33.01	-7.36
	16-QAM	3840.00	2.20	1 / 131	22.56	24.76	0.300	33.01	-8.25
	64-QAM	3954.99	2.20	1 / 1	21.12	23.32	0.215	33.01	-9.69
	256-QAM	3954.99	2.20	1 / 64	19.11	21.31	0.135	33.01	-11.70
	256-QAM	3954.99	2.20	1 / 64	19.11	21.31	0.135	33.01	-11.70
60 MHz	π/2 BPSK	3730.02	2.20	1 / 160	23.43	25.63	0.366	33.01	-7.38
		3840.00	2.20	1 / 81	23.45	25.65	0.368	33.01	-7.36
		3949.98	2.20	1 / 81	23.44	25.64	0.367	33.01	-7.37
	QPSK	3730.02	2.20	1 / 81	23.50	25.70	0.372	33.01	-7.31
		3840.00	2.20	1 / 1	23.32	25.52	0.357	33.01	-7.49
		3949.98	2.20	1 / 1	23.46	25.66	0.368	33.01	-7.35
	16-QAM	3730.02	2.20	1 / 160	22.67	24.87	0.307	33.01	-8.14
	64-QAM	3730.02	2.20	1 / 81	21.13	23.33	0.215	33.01	-9.69
	256-QAM	3949.98	2.20	1 / 1	19.05	21.25	0.133	33.01	-11.76
	256-QAM	3949.98	2.20	1 / 1	19.05	21.25	0.133	33.01	-11.76
70 MHz	π/2 BPSK	3735.00	2.20	1 / 90	23.47	25.67	0.369	33.01	-7.34
		3840.00	2.20	1 / 90	23.42	25.62	0.365	33.01	-7.39
		3945.00	2.20	1 / 1	23.49	25.69	0.370	33.01	-7.32
	QPSK	3735.00	2.20	1 / 90	23.50	25.70	0.372	33.01	-7.31
		3840.00	2.20	1 / 90	23.45	25.65	0.368	33.01	-7.36
		3945.00	2.20	1 / 90	23.41	25.61	0.364	33.01	-7.40
	16-QAM	3735.00	2.20	1 / 90	22.53	24.73	0.297	33.01	-8.28
	64-QAM	3945.00	2.20	1 / 90	21.13	23.33	0.215	33.01	-9.68
	256-QAM	3735.00	2.20	1 / 1	19.06	21.26	0.134	33.01	-11.75
	256-QAM	3735.00	2.20	1 / 1	19.06	21.26	0.134	33.01	-11.75
80 MHz	π/2 BPSK	3740.01	2.20	1 / 1	23.49	25.69	0.371	33.01	-7.32
		3840.00	2.20	1 / 108	23.46	25.66	0.368	33.01	-7.35
		3939.99	2.20	1 / 1	23.47	25.67	0.369	33.01	-7.34
	QPSK	3740.01	2.20	1 / 1	23.45	25.65	0.368	33.01	-7.36
		3840.00	2.20	1 / 1	23.46	25.66	0.368	33.01	-7.35
		3939.99	2.20	1 / 108	23.50	25.70	0.372	33.01	-7.31
	16-QAM	3939.99	2.20	1 / 214	22.70	24.90	0.309	33.01	-8.11
	64-QAM	3939.99	2.20	1 / 108	21.28	23.48	0.223	33.01	-9.53
	256-QAM	3939.99	2.20	1 / 214	19.04	21.24	0.133	33.01	-11.77
	256-QAM	3939.99	2.20	1 / 214	19.04	21.24	0.133	33.01	-11.77
	256-QAM	3939.99	2.20	1 / 214	19.04	21.24	0.133	33.01	-11.77
90 MHz	π/2 BPSK	3745.02	2.20	1 / 243	23.45	25.65	0.367	33.01	-7.36
		3840.00	2.20	1 / 243	23.45	25.65	0.367	33.01	-7.37
		3934.98	2.20	1 / 120	23.38	25.58	0.361	33.01	-7.43
	QPSK	3745.02	2.20	1 / 1	23.50	25.70	0.372	33.01	-7.31
		3840.00	2.20	1 / 1	23.49	25.69	0.371	33.01	-7.32
		3934.98	2.20	1 / 243	23.47	25.67	0.369	33.01	-7.34
	16-QAM	3840.00	2.20	1 / 120	22.62	24.82	0.303	33.01	-8.19
	64-QAM	3934.98	2.20	1 / 1	21.43	23.63	0.231	33.01	-9.38
	256-QAM	3745.02	2.20	1 / 1	19.16	21.36	0.137	33.01	-11.65
	256-QAM	3745.02	2.20	1 / 1	19.16	21.36	0.137	33.01	-11.65
	256-QAM	3745.02	2.20	1 / 1	19.16	21.36	0.137	33.01	-11.65
100 MHz	π/2 BPSK	3750.00	2.20	1 / 135	23.48	25.68	0.370	33.01	-7.33
		3840.00	2.20	1 / 271	23.46	25.66	0.368	33.01	-7.35
		3930.00	2.20	1 / 271	23.42	25.62	0.365	33.01	-7.39
	QPSK	3750.00	2.20	1 / 271	23.40	25.60	0.363	33.01	-7.41
		3840.00	2.20	1 / 1	23.36	25.56	0.360	33.01	-7.45
		3930.00	2.20	1 / 135	23.50	25.70	0.372	33.01	-7.31
	16-QAM	3750.00	2.20	1 / 135	22.68	24.88	0.308	33.01	-8.13
	64-QAM	3930.00	2.20	1 / 135	21.15	23.35	0.216	33.01	-9.66
	256-QAM	3750.00	2.20	1 / 135	19.14	21.34	0.136	33.01	-11.67
	256-QAM	3750.00	2.20	1 / 135	19.14	21.34	0.136	33.01	-11.67
	256-QAM	3750.00	2.20	1 / 135	19.14	21.34	0.136	33.01	-11.67

Table 7-8. Antenna 2a EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager</
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
10 MHz	π/2 BPSK	3705.00	2.20	1 / 12	23.44	25.64	0.367	33.01	-7.37	
		3840.00	2.20	1 / 1	23.47	25.67	0.369	33.01	-7.34	
		3975.00	2.20	1 / 12	23.50	25.70	0.371	33.01	-7.31	
		3705.00	2.20	1 / 12	23.38	25.58	0.362	33.01	-7.43	
	QPSK	3840.00	2.20	1 / 12	23.44	25.64	0.367	33.01	-7.37	
		3975.00	2.20	1 / 12	23.50	25.70	0.372	33.01	-7.31	
		16-QAM	3975.00	2.20	1 / 1	22.68	24.88	0.308	33.01	-8.13
		64-QAM	3975.00	2.20	1 / 12	21.24	23.44	0.221	33.01	-9.57
15 MHz	π/2 BPSK	3975.00	2.20	1 / 12	19.11	21.31	0.135	33.01	-11.70	
		3707.51	2.20	1 / 18	23.44	25.64	0.367	33.01	-7.37	
		3840.00	2.20	1 / 1	23.20	25.40	0.347	33.01	-7.61	
		3972.50	2.20	1 / 1	23.46	25.66	0.368	33.01	-7.35	
	QPSK	3707.51	2.20	1 / 36	23.50	25.70	0.372	33.01	-7.31	
		3840.00	2.20	1 / 1	23.19	25.39	0.346	33.01	-7.62	
		3972.50	2.20	1 / 1	23.45	25.65	0.367	33.01	-7.36	
		16-QAM	3707.51	2.20	1 / 18	22.61	24.81	0.303	33.01	-8.20
20 MHz	64-QAM	3972.50	2.20	1 / 36	21.22	23.42	0.220	33.01	-9.59	
		3972.50	2.20	1 / 36	19.32	21.52	0.142	33.01	-11.49	
		3710.01	2.20	1 / 25	23.42	25.62	0.365	33.01	-7.39	
		3840.00	2.20	1 / 1	23.25	25.45	0.351	33.01	-7.56	
	π/2 BPSK	3969.99	2.20	1 / 1	23.47	25.67	0.369	33.01	-7.34	
		3969.99	2.20	1 / 1	23.47	25.67	0.369	33.01	-7.34	
		3710.01	2.20	1 / 49	23.50	25.70	0.372	33.01	-7.31	
		3840.00	2.20	1 / 1	23.30	25.50	0.355	33.01	-7.51	
30 MHz	16-QAM	3969.99	2.20	1 / 1	23.47	25.67	0.369	33.01	-7.34	
		3969.99	2.20	1 / 49	22.67	24.87	0.307	33.01	-8.14	
		3969.99	2.20	1 / 1	21.38	23.58	0.228	33.01	-9.43	
		3969.99	2.20	1 / 1	21.38	23.58	0.228	33.01	-9.43	
	256-QAM	3710.01	2.20	1 / 25	19.36	21.56	0.143	33.01	-11.45	
		3715.02	2.20	1 / 76	23.41	25.61	0.364	33.01	-7.40	
		3840.00	2.20	1 / 1	23.20	25.40	0.347	33.01	-7.61	
		3964.98	2.20	1 / 1	23.48	25.68	0.370	33.01	-7.33	
40 MHz	π/2 BPSK	3715.02	2.20	1 / 76	23.38	25.58	0.362	33.01	-7.43	
		3840.00	2.20	1 / 1	23.15	25.35	0.343	33.01	-7.66	
		3964.98	2.20	1 / 1	23.50	25.70	0.372	33.01	-7.31	
		3715.02	2.20	1 / 76	22.56	24.76	0.299	33.01	-8.25	
	16-QAM	3964.98	2.20	1 / 1	21.36	23.56	0.227	33.01	-9.45	
		3715.02	2.20	1 / 76	19.40	21.60	0.145	33.01	-11.41	
		3720.00	2.20	1 / 1	23.43	25.63	0.366	33.01	-7.38	
		3840.00	2.20	1 / 1	23.26	25.46	0.351	33.01	-7.55	
50 MHz	π/2 BPSK	3960.00	2.20	1 / 1	23.40	25.60	0.363	33.01	-7.41	
		3720.00	2.20	1 / 1	23.39	25.59	0.363	33.01	-7.42	
		3840.00	2.20	1 / 1	23.23	25.43	0.349	33.01	-7.58	
		3960.00	2.20	1 / 1	23.50	25.70	0.372	33.01	-7.31	
	QPSK	3720.00	2.20	1 / 1	22.55	24.75	0.298	33.01	-8.26	
		3960.00	2.20	1 / 104	21.40	23.60	0.229	33.01	-9.41	
		3960.00	2.20	1 / 104	19.44	21.64	0.146	33.01	-11.37	
		3725.01	2.20	1 / 64	23.50	25.70	0.372	33.01	-7.31	
60 MHz	π/2 BPSK	3840.00	2.20	1 / 1	23.45	25.65	0.367	33.01	-7.36	
		3954.99	2.20	1 / 64	23.34	25.54	0.358	33.01	-7.47	
		3725.01	2.20	1 / 64	23.48	25.68	0.370	33.01	-7.33	
		3840.00	2.20	1 / 64	23.41	25.61	0.364	33.01	-7.40	
	QPSK	3954.99	2.20	1 / 64	23.41	25.61	0.364	33.01	-7.40	
		16-QAM	3840.00	2.20	1 / 131	22.71	0.310	33.01	-8.10	
		64-QAM	3725.01	2.20	1 / 1	21.12	23.32	0.215	33.01	-9.69
		256-QAM	3725.01	2.20	1 / 1	19.34	21.54	0.143	33.01	-11.47
70 MHz	π/2 BPSK	3730.02	2.20	1 / 160	23.46	25.66	0.368	33.01	-7.35	
		3840.00	2.20	1 / 81	23.49	25.69	0.370	33.01	-7.32	
		3949.98	2.20	1 / 160	23.37	25.57	0.361	33.01	-7.44	
		3730.02	2.20	1 / 1	23.44	25.64	0.366	33.01	-7.37	
	QPSK	3840.00	2.20	1 / 81	23.46	25.66	0.368	33.01	-7.35	
		3949.98	2.20	1 / 81	23.50	25.70	0.372	33.01	-7.31	
		16-QAM	3840.00	2.20	1 / 81	22.40	24.60	0.288	33.01	-8.41
		64-QAM	3949.98	2.20	1 / 81	21.02	23.22	0.210	33.01	-9.79
80 MHz	π/2 BPSK	3949.98	2.20	1 / 1	19.04	21.24	0.133	33.01	-11.77	
		3735.00	2.20	1 / 1	23.27	25.47	0.352	33.01	-7.54	
		3840.00	2.20	1 / 1	23.48	25.68	0.370	33.01	-7.33	
		3945.00	2.20	1 / 90	23.43	25.63	0.365	33.01	-7.38	
	QPSK	3735.00	2.20	1 / 90	23.50	25.70	0.372	33.01	-7.31	
		3840.00	2.20	1 / 1	23.43	25.63	0.366	33.01	-7.38	
		3945.00	2.20	1 / 1	23.49	25.69	0.371	33.01	-7.32	
		16-QAM	3735.00	2.20	1 / 90	22.60	24.80	0.302	33.01	-8.21
90 MHz	π/2 BPSK	64-QAM	3735.00	2.20	1 / 187	21.18	23.38	0.218	33.01	-9.63
		256-QAM	3735.00	2.20	1 / 1	19.28	21.48	0.141	33.01	-11.53
		3740.01	2.20	1 / 108	23.48	25.68	0.370	33.01	-7.33	
		3840.00	2.20	1 / 108	23.46	25.66	0.368	33.01	-7.35	
	QPSK	3939.99	2.20	1 / 108	23.50	25.70	0.372	33.01	-7.31	
		3740.01	2.20	1 / 214	23.49	25.69	0.371	33.01	-7.32	
		3840.00	2.20	1 / 108	23.50	25.70	0.371	33.01	-7.32	
		3939.99	2.20	1 / 214	23.48	25.68	0.370	33.01	-7.33	
100 MHz	π/2 BPSK	16-QAM	3840.00	2.20	1 / 214	22.65	0.305	33.01	-8.16	
		64-QAM	3840.00	2.20	1 / 214	21.24	23.44	0.221	33.01	-9.57
		256-QAM	3740.01	2.20	1 / 214	19.07	21.27	0.134	33.01	-11.74
		3745.02	2.20	1 / 243	23.46	25.66	0.368	33.01	-7.35	
	QPSK	3840.00	2.20	1 / 1	23.49	25.69	0.371	33.01	-7.32	
		3934.98	2.20	1 / 120	23.44	25.64	0.367	33.01	-7.37	
		3745.02	2.20	1 / 120	23.50	25.70	0.372	33.01	-7.31	
		3840.00	2.20	1 / 243	23.49	25.69	0.371	33.01	-7.32	
120 MHz	π/2 BPSK	3934.98	2.20	1 / 120	23.46	25.66	0.368	33.01	-7.35	
		16-QAM	3840.00	2.20	1 / 1	22.69	24.89	0.308	33.01	-8.12
		64-QAM	3840.00	2.20	1 / 1	21.23	23.43	0.220	33.01	-9.58
		256-QAM	3745.02	2.20	1 / 1	19.05	21.25	0.133	33.01	-11.76
	QPSK	3750.00	2.20	1 / 1	23.45	25.65	0.368	33.01	-7.36	
		3840.00	2.20	1 / 135	23.46	25.66	0.368	33.01	-7.35	
		3930.00	2.20	1 / 135	23.48	25.68	0.370	33.01	-7.33	
		3750.00	2.20	1 / 271	23.50	25.70	0.372	33.01	-7.31	
140 MHz	π/2 BPSK	3840.00	2.20	1 / 135	23.49	25.69	0.371	33.01	-7.32	
		3930.00	2.20	1 / 135	23.48	25.68	0.370	33.01	-7.33	
		16-QAM	3750.00	2.20	1 / 1	22.94	25.14	0.327	33.01	-7.87
		64-QAM	3750.00	2.20	1 / 1	21.07	23.27	0.212	33.01	-9.74
	QPSK	256-QAM	3840.00	2.20	1 / 135	19.12	21.32	0.136	33.01	-11.69
		3750.00	2.20	1 / 1	23.45	25.65	0.368	33.01	-7.36	
		3840.00	2.20	1 / 135	23.46	25.66	0.368	33.01	-7.35	
		3930.00	2.20	1 / 135	23.48	25.68	0.370	33.01	-7.33	

Table 7-9. Antenna 2a EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 241 of 266

7.6.3 Antenna 4 – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
10 MHz	π/2 BPSK	3455.01	-3.10	1 / 12	26.43	23.33	0.215	33.01	-9.68	
		3500.01	-3.10	1 / 12	26.46	23.36	0.217	33.01	-9.65	
		3544.98	-3.10	1 / 22	26.50	23.40	0.219	33.01	-9.61	
		3455.01	-3.10	1 / 12	26.44	23.34	0.216	33.01	-9.67	
		3500.01	-3.10	1 / 1	26.47	23.37	0.217	33.01	-9.64	
	QPSK	3544.98	-3.10	1 / 12	26.49	23.39	0.218	33.01	-9.62	
		3544.98	-3.10	1 / 22	25.53	22.43	0.175	33.01	-10.58	
		64-QAM	3544.98	-3.10	1 / 22	24.25	21.15	0.130	33.01	-11.86
		256-QAM	3500.01	-3.10	1 / 22	22.16	19.06	0.081	33.01	-13.95
		15 MHz	π/2 BPSK	3457.50	-3.10	1 / 36	26.40	23.30	0.214	33.01
3500.01	-3.10			1 / 1	26.46	23.36	0.217	33.01	-9.65	
3542.49	-3.10			1 / 36	26.50	23.40	0.219	33.01	-9.61	
3457.50	-3.10			1 / 36	26.45	23.35	0.216	33.01	-9.66	
3500.01	-3.10			1 / 36	26.49	23.39	0.218	33.01	-9.62	
QPSK	3542.49		-3.10	1 / 1	26.47	23.37	0.218	33.01	-9.64	
	3457.50		-3.10	1 / 1	25.52	22.42	0.175	33.01	-10.59	
	64-QAM		3542.49	-3.10	1 / 1	24.53	21.43	0.139	33.01	-11.58
	256-QAM		3542.49	-3.10	1 / 18	22.42	19.32	0.086	33.01	-13.69
	20 MHz		π/2 BPSK	3460.02	-3.10	1 / 49	26.41	23.31	0.214	33.01
3500.01		-3.10		1 / 1	26.44	23.34	0.216	33.01	-9.67	
3540.00		-3.10		50 / 0	26.46	23.36	0.217	33.01	-9.65	
3460.02		-3.10		1 / 49	26.45	23.35	0.216	33.01	-9.66	
3500.01		-3.10		1 / 49	26.50	23.40	0.219	33.01	-9.61	
QPSK		3540.00	-3.10	1 / 49	26.49	23.39	0.218	33.01	-9.62	
		16-QAM	3540.00	-3.10	1 / 1	25.45	22.35	0.172	33.01	-10.66
		64-QAM	3540.00	-3.10	1 / 49	24.45	21.35	0.136	33.01	-11.66
		256-QAM	3540.00	-3.10	1 / 25	22.40	19.30	0.085	33.01	-13.71
		30 MHz	π/2 BPSK	3465.00	-3.10	1 / 1	26.39	23.29	0.213	33.01
3500.01	-3.10			1 / 1	26.46	23.36	0.217	33.01	-9.66	
3534.99	-3.10			1 / 1	26.45	23.35	0.216	33.01	-9.66	
3465.00	-3.10			1 / 76	26.44	23.34	0.216	33.01	-9.67	
3500.01	-3.10			1 / 1	26.50	23.40	0.219	33.01	-9.61	
QPSK	3534.99		-3.10	1 / 76	26.50	23.40	0.219	33.01	-9.61	
	16-QAM		3500.01	-3.10	1 / 1	25.65	22.55	0.180	33.01	-10.46
	64-QAM		3534.99	-3.10	1 / 1	24.46	21.36	0.137	33.01	-11.65
	256-QAM		3534.99	-3.10	1 / 76	22.42	19.32	0.086	33.01	-13.69
	40 MHz		π/2 BPSK	3470.01	-3.10	1 / 104	26.44	23.34	0.216	33.01
3500.01		-3.10		1 / 1	26.48	23.38	0.218	33.01	-9.63	
3529.98		-3.10		1 / 104	26.47	23.37	0.217	33.01	-9.64	
3470.01		-3.10		1 / 104	26.44	23.34	0.216	33.01	-9.67	
3500.01		-3.10		1 / 1	26.41	23.31	0.214	33.01	-9.70	
QPSK		3529.98	-3.10	1 / 104	26.50	23.40	0.219	33.01	-9.61	
		16-QAM	3529.98	-3.10	1 / 1	25.52	22.42	0.175	33.01	-10.59
		64-QAM	3529.98	-3.10	1 / 1	24.50	21.40	0.138	33.01	-11.61
		256-QAM	3500.01	-3.10	1 / 104	22.52	19.42	0.087	33.01	-13.59
		50 MHz	π/2 BPSK	3475.02	-3.10	1 / 1	26.33	23.23	0.211	33.01
3500.01	-3.10			1 / 64	26.50	23.40	0.219	33.01	-9.61	
3525.00	-3.10			1 / 131	26.38	23.28	0.213	33.01	-9.73	
3475.02	-3.10			1 / 1	26.39	23.29	0.213	33.01	-9.72	
3500.01	-3.10			1 / 1	26.43	23.33	0.215	33.01	-9.68	
QPSK	3525.00		-3.10	1 / 1	26.46	23.36	0.217	33.01	-9.65	
	16-QAM		3475.02	-3.10	1 / 64	25.51	22.41	0.174	33.01	-10.60
	64-QAM		3525.00	-3.10	1 / 1	24.30	21.20	0.132	33.01	-11.81
	256-QAM		3525.00	-3.10	1 / 1	22.32	19.22	0.084	33.01	-13.79
	60 MHz		π/2 BPSK	3480.00	-3.10	1 / 160	26.35	23.25	0.211	33.01
3500.01		-3.10		1 / 81	26.45	23.35	0.216	33.01	-9.66	
3519.99		-3.10		1 / 81	26.40	23.30	0.214	33.01	-9.71	
3480.00		-3.10		1 / 81	26.43	23.33	0.215	33.01	-9.68	
3500.01		-3.10		1 / 81	26.50	23.40	0.219	33.01	-9.61	
QPSK		3519.99	-3.10	1 / 81	26.48	23.38	0.218	33.01	-9.63	
		16-QAM	3500.01	-3.10	1 / 81	25.60	22.50	0.178	33.01	-10.51
		64-QAM	3500.01	-3.10	1 / 81	24.31	21.21	0.132	33.01	-11.80
		256-QAM	3519.99	-3.10	1 / 81	22.34	19.24	0.084	33.01	-13.77
		70 MHz	π/2 BPSK	3485.01	-3.10	1 / 1	26.39	23.29	0.213	33.01
3500.01	-3.10			1 / 187	26.35	23.25	0.211	33.01	-9.76	
3514.98	-3.10			1 / 1	26.50	23.40	0.219	33.01	-9.61	
3485.01	-3.10			1 / 90	26.30	23.20	0.209	33.01	-9.82	
3500.01	-3.10			1 / 1	26.28	23.18	0.208	33.01	-9.83	
QPSK	3514.98		-3.10	1 / 1	26.34	23.24	0.211	33.01	-9.77	
	16-QAM		3500.01	-3.10	1 / 1	25.58	22.48	0.177	33.01	-10.54
	64-QAM		3514.98	-3.10	1 / 90	24.35	21.25	0.133	33.01	-11.76
	256-QAM		3514.98	-3.10	1 / 90	22.34	19.24	0.084	33.01	-13.77
	80 MHz		π/2 BPSK	3490.02	-3.10	1 / 1	26.44	23.34	0.216	33.01
3500.01		-3.10		1 / 108	26.36	23.26	0.212	33.01	-9.75	
3510.00		-3.10		1 / 108	26.48	23.38	0.218	33.01	-9.63	
3490.02		-3.10		1 / 214	26.35	23.25	0.211	33.01	-9.76	
3500.01		-3.10		1 / 214	26.48	23.38	0.218	33.01	-9.63	
QPSK		3510.00	-3.10	1 / 108	26.50	23.40	0.219	33.01	-9.61	
		16-QAM	3510.00	-3.10	1 / 1	25.54	22.44	0.175	33.01	-10.57
		64-QAM	3510.00	-3.10	1 / 214	24.38	21.28	0.134	33.01	-11.73
		256-QAM	3510.00	-3.10	1 / 108	22.34	19.24	0.084	33.01	-13.77
		90 MHz	π/2 BPSK	3495.00	-3.10	1 / 1	26.40	23.30	0.214	33.01
3500.01	-3.10			1 / 243	26.45	23.35	0.217	33.01	-9.66	
3504.99	-3.10			1 / 120	26.38	23.28	0.213	33.01	-9.73	
3495.00	-3.10			1 / 120	26.46	23.36	0.217	33.01	-9.65	
3500.01	-3.10			1 / 243	26.50	23.40	0.219	33.01	-9.61	
QPSK	3504.99		-3.10	1 / 243	26.40	23.30	0.214	33.01	-9.71	
	16-QAM		3495.00	-3.10	1 / 243	25.35	22.25	0.168	33.01	-10.76
	64-QAM		3504.99	-3.10	1 / 1	24.16	21.06	0.128	33.01	-11.95
	256-QAM		3504.99	-3.10	1 / 243	22.17	19.07	0.081	33.01	-13.94
	100 MHz		π/2 BPSK	3500.01	-3.10	1 / 271	26.50	23.40	0.219	33.01
QPSK		3500.01		-3.10	1 / 271	26.25	23.15	0.207	33.01	-9.86
16-QAM		3500.01		-3.10	1 / 271	25.38	22.28	0.169	33.01	-10.73
64-QAM		3500.01		-3.10	1 / 271	24.28	21.18	0.131	33.01	-11.83
256-QAM		3500.01		-3.10	1 / 1	22.12	19.02	0.080	33.01	-13.99

Table 7-10. Antenna 4 EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 242 of 266

V2.2 09/07/2023

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-3.10	1 / 12	25.57	22.47	0.177	33.01	-10.54
		3500.01	-3.10	1 / 12	25.65	22.55	0.180	33.01	-10.46
		3544.98	-3.10	1 / 22	25.67	22.57	0.181	33.01	-10.44
	QPSK	3455.01	-3.10	1 / 22	25.64	22.54	0.179	33.01	-10.47
		3500.01	-3.10	1 / 22	25.70	22.60	0.182	33.01	-10.41
		3544.98	-3.10	1 / 22	25.66	22.56	0.180	33.01	-10.45
	16-QAM	3455.01	-3.10	1 / 12	24.88	21.78	0.151	33.01	-11.23
	64-QAM	3500.01	-3.10	1 / 1	23.37	20.27	0.106	33.01	-12.74
	256-QAM	3544.98	-3.10	1 / 1	21.31	18.21	0.066	33.01	-14.80
		3457.50	-3.10	1 / 36	25.61	22.51	0.178	33.01	-10.50
15 MHz	π/2 BPSK	3500.01	-3.10	1 / 1	25.67	22.57	0.181	33.01	-10.44
		3542.49	-3.10	1 / 1	25.70	22.60	0.182	33.01	-10.41
		3457.50	-3.10	1 / 36	25.66	22.56	0.180	33.01	-10.46
	QPSK	3500.01	-3.10	1 / 1	25.68	22.58	0.181	33.01	-10.43
		3542.49	-3.10	1 / 36	25.70	22.60	0.182	33.01	-10.41
		3500.01	-3.10	1 / 36	25.10	22.00	0.159	33.01	-11.01
	16-QAM	3500.01	-3.10	1 / 36	25.10	22.00	0.159	33.01	-11.01
	64-QAM	3542.49	-3.10	1 / 1	23.66	20.56	0.114	33.01	-12.45
	256-QAM	3542.49	-3.10	1 / 36	21.62	18.52	0.071	33.01	-14.49
		3460.02	-3.10	1 / 49	25.60	22.50	0.178	33.01	-10.51
20 MHz	π/2 BPSK	3500.01	-3.10	1 / 1	25.64	22.54	0.179	33.01	-10.47
		3540.00	-3.10	1 / 49	25.65	22.55	0.180	33.01	-10.46
		3460.02	-3.10	1 / 49	25.66	22.56	0.180	33.01	-10.45
	QPSK	3500.01	-3.10	1 / 1	25.67	22.57	0.181	33.01	-10.44
		3540.00	-3.10	1 / 49	25.70	22.60	0.182	33.01	-10.41
		3460.02	-3.10	1 / 49	24.91	21.81	0.152	33.01	-11.20
	16-QAM	3460.02	-3.10	1 / 49	24.91	21.81	0.152	33.01	-11.20
	64-QAM	3540.00	-3.10	1 / 1	23.68	20.58	0.114	33.01	-12.43
	256-QAM	3540.00	-3.10	1 / 1	21.62	18.52	0.071	33.01	-14.49
		3465.00	-3.10	1 / 76	25.63	22.53	0.179	33.01	-10.48
30 MHz	π/2 BPSK	3500.01	-3.10	1 / 1	25.66	22.56	0.180	33.01	-10.45
		3534.99	-3.10	1 / 1	25.70	22.60	0.182	33.01	-10.41
		3465.00	-3.10	1 / 1	25.62	22.52	0.179	33.01	-10.49
	QPSK	3500.01	-3.10	1 / 1	25.67	22.57	0.181	33.01	-10.44
		3534.99	-3.10	1 / 1	25.70	22.60	0.182	33.01	-10.41
		3465.00	-3.10	1 / 1	25.62	22.52	0.179	33.01	-10.49
	16-QAM	3534.99	-3.10	1 / 1	24.74	21.64	0.146	33.01	-11.37
	64-QAM	3500.01	-3.10	1 / 76	23.68	20.58	0.114	33.01	-12.43
	256-QAM	3500.01	-3.10	1 / 36	21.60	18.50	0.071	33.01	-14.51
		3470.01	-3.10	1 / 104	25.66	22.56	0.180	33.01	-10.45
40 MHz	π/2 BPSK	3500.01	-3.10	1 / 1	25.68	22.58	0.181	33.01	-10.43
		3529.98	-3.10	1 / 1	25.64	22.54	0.179	33.01	-10.47
		3470.01	-3.10	1 / 104	25.70	22.60	0.182	33.01	-10.41
	QPSK	3500.01	-3.10	1 / 1	25.65	22.55	0.180	33.01	-10.46
		3529.98	-3.10	1 / 1	25.67	22.57	0.181	33.01	-10.44
		3470.01	-3.10	1 / 104	25.65	22.55	0.180	33.01	-10.46
	16-QAM	3529.98	-3.10	1 / 50	24.81	21.71	0.148	33.01	-11.30
	64-QAM	3500.01	-3.10	1 / 104	23.68	20.58	0.114	33.01	-12.43
	256-QAM	3500.01	-3.10	1 / 104	21.66	18.56	0.072	33.01	-14.45
		3475.02	-3.10	1 / 64	25.59	22.49	0.178	33.01	-10.52
50 MHz	π/2 BPSK	3500.01	-3.10	1 / 64	25.62	22.52	0.179	33.01	-10.49
		3525.00	-3.10	1 / 64	25.62	22.52	0.179	33.01	-10.49
		3475.02	-3.10	1 / 64	25.59	22.49	0.177	33.01	-10.52
	QPSK	3500.01	-3.10	1 / 1	25.68	22.58	0.181	33.01	-10.43
		3525.00	-3.10	1 / 1	25.70	22.60	0.182	33.01	-10.41
		3475.02	-3.10	1 / 64	25.59	22.49	0.177	33.01	-10.52
	16-QAM	3525.00	-3.10	1 / 131	24.80	21.70	0.148	33.01	-11.31
	64-QAM	3525.00	-3.10	1 / 64	23.41	20.31	0.107	33.01	-12.70
	256-QAM	3525.00	-3.10	1 / 64	21.35	18.25	0.067	33.01	-14.76
		3480.00	-3.10	1 / 81	25.66	22.56	0.180	33.01	-10.45
60 MHz	π/2 BPSK	3500.01	-3.10	1 / 160	25.57	22.47	0.176	33.01	-10.54
		3519.99	-3.10	1 / 81	25.70	22.60	0.182	33.01	-10.41
		3480.00	-3.10	1 / 81	25.66	22.56	0.180	33.01	-10.45
	QPSK	3500.01	-3.10	1 / 81	25.63	22.53	0.179	33.01	-10.48
		3519.99	-3.10	1 / 81	25.63	22.53	0.179	33.01	-10.48
		3480.00	-3.10	1 / 81	25.66	22.56	0.180	33.01	-10.45
	16-QAM	3519.99	-3.10	1 / 81	24.68	21.58	0.144	33.01	-11.43
	64-QAM	3500.01	-3.10	1 / 81	23.41	20.31	0.107	33.01	-12.70
	256-QAM	3519.99	-3.10	1 / 160	21.40	18.30	0.068	33.01	-14.71
		3485.01	-3.10	1 / 1	25.59	22.49	0.177	33.01	-10.52
70 MHz	π/2 BPSK	3500.01	-3.10	1 / 1	25.59	22.49	0.177	33.01	-10.52
		3514.98	-3.10	1 / 90	25.70	22.60	0.182	33.01	-10.41
		3485.01	-3.10	1 / 1	25.50	22.40	0.174	33.01	-10.61
	QPSK	3500.01	-3.10	1 / 90	25.60	22.50	0.178	33.01	-10.51
		3514.98	-3.10	1 / 1	25.66	22.56	0.180	33.01	-10.45
		3485.01	-3.10	1 / 90	24.69	21.59	0.144	33.01	-11.42
	16-QAM	3485.01	-3.10	1 / 90	24.69	21.59	0.144	33.01	-11.42
	64-QAM	3514.98	-3.10	1 / 90	23.43	20.33	0.108	33.01	-12.68
	256-QAM	3514.98	-3.10	1 / 1	21.41	18.31	0.068	33.01	-14.70
		3490.02	-3.10	1 / 108	25.52	22.42	0.175	33.01	-10.59
80 MHz	π/2 BPSK	3500.01	-3.10	1 / 108	25.68	22.58	0.181	33.01	-10.43
		3510.00	-3.10	1 / 1	25.68	22.58	0.181	33.01	-10.43
		3490.02	-3.10	1 / 108	25.58	22.48	0.177	33.01	-10.53
	QPSK	3500.01	-3.10	1 / 1	25.62	22.52	0.179	33.01	-10.49
		3510.00	-3.10	1 / 108	25.70	22.60	0.182	33.01	-10.41
		3490.02	-3.10	1 / 1	24.70	21.60	0.144	33.01	-11.41
	16-QAM	3490.02	-3.10	1 / 1	24.70	21.60	0.144	33.01	-11.41
	64-QAM	3510.00	-3.10	1 / 1	23.44	20.34	0.108	33.01	-12.67
	256-QAM	3510.00	-3.10	1 / 1	21.37	18.27	0.067	33.01	-14.74
		3495.00	-3.10	1 / 1	25.52	22.42	0.175	33.01	-10.59
90 MHz	π/2 BPSK	3500.01	-3.10	1 / 243	25.43	22.33	0.171	33.01	-10.68
		3504.99	-3.10	1 / 120	25.46	22.36	0.172	33.01	-10.65
		3495.00	-3.10	1 / 243	25.45	22.35	0.172	33.01	-10.66
	QPSK	3500.01	-3.10	1 / 243	25.43	22.33	0.171	33.01	-10.68
		3504.99	-3.10	1 / 243	25.70	22.60	0.182	33.01	-10.41
		3495.00	-3.10	1 / 243	24.63	21.53	0.142	33.01	-11.48
	16-QAM	3500.01	-3.10	1 / 243	24.63	21.53	0.142	33.01	-11.48
	64-QAM	3504.99	-3.10	1 / 120	23.43	20.33	0.108	33.01	-12.68
	256-QAM	3500.01	-3.10	1 / 243	21.41	18.31	0.068	33.01	-14.70
		3500.01	-3.10	1 / 135	25.70	22.60	0.182	33.01	-10.41
100 MHz	π/2 BPSK	3500.01	-3.10	1 / 271	25.50	22.40	0.174	33.01	-10.61
		3500.01	-3.10	1 / 271	24.68	21.58	0.144	33.01	-11.43
		3500.01	-3.10	1 / 271	23.42	20.32	0.108	33.01	-12.69
	16-QAM	3500.01	-3.10	1 / 271	23.42	20.32	0.108	33.01	-12.69
	256-QAM	3500.01	-3.10	1 / 135	21.37	18.27	0.067	33.01	-14.74

Table 7-11. Antenna 4 EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 243 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-1.00	1 / 12	26.41	25.41	0.348	33.01	-7.60
		3840.00	-1.00	1 / 12	26.41	25.41	0.347	33.01	-7.61
		3975.00	-1.00	1 / 12	26.35	25.35	0.343	33.01	-7.66
	QPSK	3705.00	-1.00	1 / 12	26.48	25.48	0.353	33.01	-7.53
		3840.00	-1.00	1 / 22	26.50	25.50	0.355	33.01	-7.51
		3975.00	-1.00	1 / 12	26.34	25.34	0.342	33.01	-7.67
	16-QAM	3705.00	-1.00	1 / 22	25.67	24.67	0.293	33.01	-8.34
	64-QAM	3705.00	-1.00	1 / 12	24.18	23.18	0.208	33.01	-9.83
15 MHz	π/2 BPSK	3840.00	-1.00	1 / 12	21.97	20.97	0.125	33.01	-12.04
		3707.51	-1.00	1 / 36	26.43	25.43	0.349	33.01	-7.58
		3840.00	-1.00	1 / 1	26.49	25.49	0.354	33.01	-7.52
	QPSK	3972.50	-1.00	1 / 1	26.37	25.37	0.345	33.01	-7.64
		3707.51	-1.00	1 / 36	26.42	25.42	0.348	33.01	-7.59
		3840.00	-1.00	1 / 1	26.50	25.50	0.355	33.01	-7.51
	16-QAM	3972.50	-1.00	1 / 1	26.39	25.39	0.346	33.01	-7.62
	256-QAM	3707.51	-1.00	1 / 18	25.71	24.71	0.296	33.01	-8.30
20 MHz	π/2 BPSK	3840.00	-1.00	1 / 36	24.28	23.28	0.213	33.01	-9.73
		3710.01	-1.00	1 / 49	26.48	25.48	0.353	33.01	-7.53
		3840.00	-1.00	1 / 1	26.50	25.50	0.355	33.01	-7.51
	QPSK	3969.99	-1.00	1 / 49	26.41	25.41	0.348	33.01	-7.60
		3710.01	-1.00	1 / 1	26.38	25.38	0.345	33.01	-7.64
		3840.00	-1.00	1 / 49	26.40	25.40	0.347	33.01	-7.61
	16-QAM	3969.99	-1.00	1 / 25	26.38	25.38	0.345	33.01	-7.63
	256-QAM	3969.99	-1.00	1 / 25	25.97	24.97	0.314	33.01	-8.04
30 MHz	π/2 BPSK	3840.00	-1.00	50 / 0	24.12	23.12	0.205	33.01	-9.89
		3710.01	-1.00	1 / 25	22.26	21.26	0.134	33.01	-11.75
		3840.00	-1.00	1 / 76	26.36	25.36	0.343	33.01	-7.65
	QPSK	3840.00	-1.00	1 / 1	26.44	25.44	0.350	33.01	-7.57
		3964.98	-1.00	1 / 1	26.30	25.30	0.338	33.01	-7.72
		3715.02	-1.00	1 / 76	26.39	25.39	0.346	33.01	-7.62
	16-QAM	3840.00	-1.00	1 / 36	26.50	25.50	0.355	33.01	-7.51
	256-QAM	3964.98	-1.00	1 / 36	26.49	25.49	0.354	33.01	-7.52
40 MHz	π/2 BPSK	3840.00	-1.00	1 / 76	25.69	24.69	0.294	33.01	-8.32
		3715.02	-1.00	1 / 76	24.20	23.20	0.209	33.01	-9.81
		3840.00	-1.00	1 / 76	22.28	21.28	0.134	33.01	-11.73
	QPSK	3720.00	-1.00	1 / 1	26.33	25.33	0.342	33.01	-7.68
		3840.00	-1.00	1 / 1	26.50	25.50	0.355	33.01	-7.51
		3960.00	-1.00	1 / 104	26.22	25.22	0.333	33.01	-7.79
	16-QAM	3720.00	-1.00	1 / 1	26.41	25.41	0.348	33.01	-7.60
	256-QAM	3840.00	-1.00	1 / 1	26.48	25.48	0.353	33.01	-7.53
50 MHz	π/2 BPSK	3960.00	-1.00	1 / 104	26.23	25.23	0.333	33.01	-7.78
		3840.00	-1.00	1 / 1	25.49	24.49	0.281	33.01	-8.52
		3840.00	-1.00	1 / 1	24.35	23.35	0.216	33.01	-9.66
	QPSK	3840.00	-1.00	1 / 1	22.19	21.19	0.132	33.01	-11.82
		3725.01	-1.00	1 / 131	26.38	25.38	0.346	33.01	-7.63
		3840.00	-1.00	1 / 131	26.48	25.48	0.353	33.01	-7.53
	16-QAM	3954.99	-1.00	1 / 131	26.43	25.43	0.349	33.01	-7.58
	256-QAM	3725.01	-1.00	1 / 1	26.37	25.37	0.344	33.01	-7.65
60 MHz	π/2 BPSK	3840.00	-1.00	1 / 64	26.50	25.50	0.355	33.01	-7.51
		3954.99	-1.00	1 / 131	26.43	25.43	0.349	33.01	-7.58
		3725.01	-1.00	1 / 64	25.49	24.49	0.281	33.01	-8.52
	QPSK	3725.01	-1.00	1 / 1	24.02	23.02	0.200	33.01	-9.99
		3840.00	-1.00	1 / 1	22.16	21.16	0.131	33.01	-11.85
		3730.02	-1.00	1 / 81	26.33	25.33	0.341	33.01	-7.68
	16-QAM	3840.00	-1.00	1 / 81	26.50	25.50	0.355	33.01	-7.51
	256-QAM	3949.98	-1.00	1 / 1	26.31	25.31	0.340	33.01	-7.70
70 MHz	π/2 BPSK	3730.02	-1.00	1 / 81	26.42	25.42	0.348	33.01	-7.59
		3840.00	-1.00	1 / 81	26.28	25.28	0.337	33.01	-7.73
		3949.98	-1.00	1 / 1	26.42	25.42	0.348	33.01	-7.59
	QPSK	3730.02	-1.00	1 / 1	25.44	24.44	0.278	33.01	-8.57
		3840.00	-1.00	1 / 81	23.99	22.99	0.199	33.01	-10.02
		3840.00	-1.00	1 / 1	22.13	21.13	0.130	33.01	-11.88
	16-QAM	3735.01	-1.00	1 / 90	26.36	25.36	0.344	33.01	-7.65
	256-QAM	3840.00	-1.00	1 / 90	26.50	25.50	0.355	33.01	-7.51
80 MHz	π/2 BPSK	3945.00	-1.00	1 / 1	26.31	25.31	0.340	33.01	-7.70
		3735.00	-1.00	1 / 1	26.41	25.41	0.348	33.01	-7.60
		3840.00	-1.00	1 / 90	26.36	25.36	0.344	33.01	-7.65
	QPSK	3945.00	-1.00	1 / 1	26.43	25.43	0.349	33.01	-7.58
		3735.00	-1.00	1 / 1	25.48	24.48	0.280	33.01	-8.54
		3840.00	-1.00	1 / 1	24.21	23.21	0.209	33.01	-9.80
	16-QAM	3945.00	-1.00	1 / 1	22.04	21.04	0.127	33.01	-11.97
	256-QAM	3740.01	-1.00	1 / 214	26.49	25.49	0.354	33.01	-7.52
90 MHz	π/2 BPSK	3840.00	-1.00	1 / 1	26.43	25.43	0.350	33.01	-7.58
		3939.99	-1.00	1 / 1	26.27	25.27	0.336	33.01	-7.74
		3740.01	-1.00	1 / 1	26.37	25.37	0.344	33.01	-7.64
	QPSK	3840.00	-1.00	1 / 108	26.50	25.50	0.355	33.01	-7.51
		3939.99	-1.00	1 / 1	26.38	25.38	0.345	33.01	-7.63
		3740.01	-1.00	1 / 1	25.60	24.60	0.288	33.01	-8.41
	16-QAM	3740.01	-1.00	1 / 214	24.14	23.14	0.206	33.01	-9.87
	256-QAM	3939.99	-1.00	1 / 1	21.93	20.93	0.124	33.01	-12.08
100 MHz	π/2 BPSK	3745.02	-1.00	1 / 1	26.40	25.40	0.347	33.01	-7.61
		3840.00	-1.00	1 / 120	26.50	25.50	0.355	33.01	-7.51
		3934.98	-1.00	1 / 1	26.43	25.43	0.349	33.01	-7.58
	QPSK	3745.02	-1.00	1 / 120	26.35	25.35	0.343	33.01	-7.66
		3840.00	-1.00	1 / 1	26.49	25.49	0.354	33.01	-7.52
		3934.98	-1.00	1 / 120	26.41	25.41	0.347	33.01	-7.60
	16-QAM	3840.00	-1.00	1 / 243	25.66	24.66	0.292	33.01	-8.35
	256-QAM	3934.98	-1.00	1 / 120	24.11	23.11	0.204	33.01	-9.90
100 MHz	π/2 BPSK	3934.98	-1.00	1 / 243	21.96	20.96	0.125	33.01	-12.05
		3750.00	-1.00	1 / 271	26.42	25.42	0.348	33.01	-7.59
		3840.00	-1.00	1 / 271	26.49	25.49	0.354	33.01	-7.52
	QPSK	3930.00	-1.00	1 / 271	26.36	25.36	0.344	33.01	-7.65
		3750.00	-1.00	1 / 1	26.50	25.50	0.354	33.01	-7.51
		3840.00	-1.00	1 / 271	26.50	25.50	0.355	33.01	-7.51
	16-QAM	3930.00	-1.00	1 / 135	26.41	25.41	0.348	33.01	-7.60
	256-QAM	3840.00	-1.00	1 / 135	25.69	24.69	0.294	33.01	-8.32
100 MHz	π/2 BPSK	3840.00	-1.00	1 / 135	24.21	23.21	0.209	33.01	-9.80
		3840.00	-1.00	1 / 135	21.95	20.95	0.125	33.01	-12.06

Table 7-12. Antenna 4 EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 244 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-1.00	1 / 22	25.58	24.58	0.287	33.01	-8.44
		3840.00	-1.00	1 / 12	25.67	24.67	0.293	33.01	-8.34
		3975.00	-1.00	1 / 22	25.58	24.58	0.287	33.01	-8.43
	QPSK	3705.00	-1.00	1 / 12	25.60	24.60	0.288	33.01	-8.41
		3840.00	-1.00	1 / 12	25.70	24.70	0.295	33.01	-8.31
		3975.00	-1.00	1 / 12	25.58	24.58	0.287	33.01	-8.43
	16-QAM	3705.00	-1.00	1 / 12	24.90	23.90	0.246	33.01	-9.11
	64-QAM	3840.00	-1.00	1 / 12	23.28	22.28	0.169	33.01	-10.73
	256-QAM	3840.00	-1.00	1 / 12	21.23	20.23	0.105	33.01	-12.78
	256-QAM	3840.00	-1.00	1 / 12	21.23	20.23	0.105	33.01	-12.78
15 MHz	π/2 BPSK	3707.51	-1.00	1 / 36	25.51	24.51	0.283	33.01	-8.50
		3840.00	-1.00	1 / 1	25.69	24.69	0.294	33.01	-8.32
		3972.50	-1.00	1 / 1	25.69	24.69	0.294	33.01	-8.32
	QPSK	3707.51	-1.00	1 / 36	25.47	24.47	0.280	33.01	-8.54
		3840.00	-1.00	1 / 18	25.70	24.70	0.295	33.01	-8.31
		3972.50	-1.00	1 / 18	25.70	24.70	0.295	33.01	-8.31
	16-QAM	3840.00	-1.00	1 / 18	24.88	23.88	0.245	33.01	-9.13
	64-QAM	3840.00	-1.00	1 / 36	23.46	22.46	0.176	33.01	-10.55
	256-QAM	3840.00	-1.00	1 / 18	21.41	20.41	0.110	33.01	-12.60
	256-QAM	3840.00	-1.00	1 / 18	21.41	20.41	0.110	33.01	-12.60
20 MHz	π/2 BPSK	3710.01	-1.00	1 / 1	25.70	24.70	0.295	33.01	-8.31
		3840.00	-1.00	1 / 49	25.63	24.63	0.290	33.01	-8.38
		3969.99	-1.00	1 / 1	25.70	24.70	0.295	33.01	-8.31
	QPSK	3710.01	-1.00	1 / 49	25.52	24.52	0.283	33.01	-8.49
		3840.00	-1.00	1 / 1	25.70	24.70	0.295	33.01	-8.31
		3969.99	-1.00	1 / 49	25.52	24.52	0.283	33.01	-8.49
	16-QAM	3840.00	-1.00	1 / 49	24.79	23.79	0.239	33.01	-9.22
	64-QAM	3840.00	-1.00	1 / 49	23.48	22.48	0.177	33.01	-10.53
	256-QAM	3840.00	-1.00	1 / 25	21.42	20.42	0.110	33.01	-12.59
	256-QAM	3840.00	-1.00	1 / 25	21.42	20.42	0.110	33.01	-12.59
30 MHz	π/2 BPSK	3715.02	-1.00	1 / 76	25.55	24.55	0.285	33.01	-8.46
		3840.00	-1.00	1 / 36	25.67	24.67	0.293	33.01	-8.34
		3964.98	-1.00	1 / 1	25.52	24.52	0.283	33.01	-8.49
	QPSK	3715.02	-1.00	1 / 76	25.59	24.59	0.288	33.01	-8.42
		3840.00	-1.00	1 / 76	25.70	24.70	0.295	33.01	-8.31
		3964.98	-1.00	1 / 1	25.54	24.54	0.285	33.01	-8.47
	16-QAM	3840.00	-1.00	1 / 1	24.74	23.74	0.237	33.01	-9.27
	64-QAM	3840.00	-1.00	1 / 1	23.56	22.56	0.180	33.01	-10.45
	256-QAM	3840.00	-1.00	1 / 36	21.44	20.44	0.111	33.01	-12.57
	256-QAM	3840.00	-1.00	1 / 36	21.44	20.44	0.111	33.01	-12.57
40 MHz	π/2 BPSK	3720.00	-1.00	1 / 1	25.54	24.54	0.285	33.01	-8.47
		3840.00	-1.00	1 / 104	25.66	24.66	0.293	33.01	-8.35
		3960.00	-1.00	1 / 104	25.47	24.47	0.280	33.01	-8.54
	QPSK	3720.00	-1.00	1 / 1	25.57	24.57	0.286	33.01	-8.44
		3840.00	-1.00	1 / 1	25.70	24.70	0.295	33.01	-8.31
		3960.00	-1.00	1 / 1	25.45	24.45	0.279	33.01	-8.56
	16-QAM	3840.00	-1.00	1 / 50	24.72	23.72	0.236	33.01	-9.29
	64-QAM	3840.00	-1.00	1 / 104	23.60	22.60	0.182	33.01	-10.41
	256-QAM	3840.00	-1.00	1 / 1	21.56	20.56	0.114	33.01	-12.45
	256-QAM	3840.00	-1.00	1 / 1	21.56	20.56	0.114	33.01	-12.45
50 MHz	π/2 BPSK	3725.01	-1.00	1 / 64	25.69	24.69	0.294	33.01	-8.32
		3840.00	-1.00	1 / 64	25.69	24.69	0.295	33.01	-8.32
		3954.99	-1.00	1 / 64	25.69	24.69	0.294	33.01	-8.32
	QPSK	3725.01	-1.00	1 / 131	25.64	24.64	0.291	33.01	-8.37
		3840.00	-1.00	1 / 131	25.70	24.70	0.295	33.01	-8.31
		3954.99	-1.00	1 / 131	25.68	24.68	0.294	33.01	-8.33
	16-QAM	3954.99	-1.00	1 / 131	24.88	23.88	0.245	33.01	-9.13
	64-QAM	3954.99	-1.00	1 / 64	23.42	22.42	0.175	33.01	-10.59
	256-QAM	3954.99	-1.00	1 / 64	21.27	20.27	0.106	33.01	-12.75
	256-QAM	3954.99	-1.00	1 / 64	21.27	20.27	0.106	33.01	-12.75
60 MHz	π/2 BPSK	3730.02	-1.00	1 / 1	25.61	24.61	0.289	33.01	-8.40
		3840.00	-1.00	1 / 160	25.70	24.70	0.295	33.01	-8.31
		3949.98	-1.00	1 / 81	25.62	24.62	0.290	33.01	-8.39
	QPSK	3730.02	-1.00	1 / 160	25.68	24.68	0.294	33.01	-8.33
		3840.00	-1.00	1 / 160	25.70	24.70	0.295	33.01	-8.31
		3949.98	-1.00	1 / 1	25.69	24.69	0.294	33.01	-8.32
	16-QAM	3730.02	-1.00	1 / 1	24.77	23.77	0.238	33.01	-9.24
	64-QAM	3840.00	-1.00	1 / 81	23.41	22.41	0.174	33.01	-10.60
	256-QAM	3840.00	-1.00	1 / 1	21.26	20.26	0.106	33.01	-12.75
	256-QAM	3840.00	-1.00	1 / 1	21.26	20.26	0.106	33.01	-12.75
70 MHz	π/2 BPSK	3735.01	-1.00	1 / 90	25.67	24.67	0.293	33.01	-8.34
		3840.00	-1.00	1 / 187	25.57	24.57	0.286	33.01	-8.44
		3945.00	-1.00	1 / 90	25.60	24.60	0.288	33.01	-8.41
	QPSK	3735.01	-1.00	1 / 90	25.64	24.64	0.291	33.01	-8.37
		3840.00	-1.00	1 / 90	25.70	24.70	0.295	33.01	-8.31
		3945.00	-1.00	1 / 90	25.65	24.65	0.292	33.01	-8.36
	16-QAM	3735.01	-1.00	1 / 90	24.94	23.94	0.248	33.01	-9.07
	64-QAM	3840.00	-1.00	1 / 1	23.33	22.33	0.171	33.01	-10.68
	256-QAM	3840.00	-1.00	1 / 187	21.30	20.30	0.107	33.01	-12.71
	256-QAM	3840.00	-1.00	1 / 187	21.30	20.30	0.107	33.01	-12.71
80 MHz	π/2 BPSK	3740.01	-1.00	1 / 214	25.69	24.69	0.294	33.01	-8.32
		3840.00	-1.00	1 / 214	25.64	24.64	0.291	33.01	-8.37
		3939.99	-1.00	1 / 214	25.64	24.64	0.291	33.01	-8.37
	QPSK	3740.01	-1.00	1 / 108	25.66	24.66	0.292	33.01	-8.35
		3840.00	-1.00	1 / 108	25.70	24.70	0.295	33.01	-8.31
		3939.99	-1.00	1 / 1	25.69	24.69	0.294	33.01	-8.32
	16-QAM	3840.00	-1.00	1 / 108	24.64	23.64	0.231	33.01	-9.37
	64-QAM	3840.00	-1.00	1 / 108	23.31	22.31	0.170	33.01	-10.70
	256-QAM	3840.00	-1.00	1 / 108	21.29	20.29	0.107	33.01	-12.72
	256-QAM	3840.00	-1.00	1 / 108	21.29	20.29	0.107	33.01	-12.72
90 MHz	π/2 BPSK	3745.02	-1.00	1 / 120	25.67	24.67	0.293	33.01	-8.34
		3840.00	-1.00	1 / 1	25.64	24.64	0.291	33.01	-8.37
		3934.98	-1.00	1 / 120	25.63	24.63	0.291	33.01	-8.38
	QPSK	3745.02	-1.00	1 / 1	25.64	24.64	0.291	33.01	-8.37
		3840.00	-1.00	1 / 243	25.70	24.70	0.295	33.01	-8.31
		3934.98	-1.00	1 / 243	25.60	24.60	0.289	33.01	-8.41
	16-QAM	3934.98	-1.00	1 / 120	24.83	23.83	0.242	33.01	-9.18
	64-QAM	3840.00	-1.00	1 / 120	23.29	22.29	0.169	33.01	-10.72
	256-QAM	3840.00	-1.00	1 / 243	21.33	20.33	0.108	33.01	-12.68
	256-QAM	3840.00	-1.00	1 / 243	21.33	20.33	0.108	33.01	-12.68
100 MHz	π/2 BPSK	3750.00	-1.00	1 / 1	25.63	24.63	0.290	33.01	-8.38
		3840.00	-1.00	1 / 135	25.70	24.70	0.295	33.01	-8.31
		3930.00	-1.00	1 / 271	25.55	24.55	0.285	33.01	-8.46
	QPSK	3750.00	-1.00	1 / 1	25.69	24.69	0.294	33.01	-8.32
		3840.00	-1.00	1 / 1	25.68	24.68	0.294	33.01	-8.33
		3930.00	-1.00	1 / 1	25.59	24.59	0.288	33.01	-8.42
	16-QAM	3840.00	-1.00	1 / 135	25.09	24.09	0.257	33.01	-8.92
	64-QAM	3840.00	-1.00	1 / 135	23.40	22.40	0.174	33.01	-10.61
	256-QAM	3750.00	-1.00	1 / 271	21.32	20.32	0.108	33.01	-12.69
	256-QAM	3750.00	-1.00	1 / 271	21.32	20.32	0.108	33.01	-12.69

Table 7-13. Antenna 4 EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 245 of 266	

7.6.4 Antenna 1a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-2.00	1 / 22	23.06	21.06	0.128	33.01	-11.95
		3500.01	-2.00	1 / 22	23.20	21.20	0.132	33.01	-11.81
		3544.98	-2.00	1 / 22	23.24	21.24	0.133	33.01	-11.77
	QPSK	3455.01	-2.00	1 / 22	23.07	21.07	0.128	33.01	-11.94
		3500.01	-2.00	1 / 22	23.18	21.18	0.131	33.01	-11.83
		3544.98	-2.00	1 / 1	23.21	21.21	0.132	33.01	-11.80
	16-QAM	3544.98	-2.00	1 / 12	22.39	20.39	0.109	33.01	-12.62
	64-QAM	3500.01	-2.00	1 / 22	20.83	18.83	0.076	33.01	-14.18
	256-QAM	3500.01	-2.00	1 / 22	18.84	16.84	0.048	33.01	-16.17
15 MHz	π/2 BPSK	3457.50	-2.00	1 / 1	23.22	21.22	0.132	33.01	-11.79
		3500.01	-2.00	1 / 1	23.31	21.31	0.135	33.01	-11.70
		3542.49	-2.00	1 / 1	23.38	21.38	0.137	33.01	-11.63
	QPSK	3457.50	-2.00	1 / 1	23.27	21.27	0.134	33.01	-11.74
		3500.01	-2.00	1 / 1	23.32	21.32	0.135	33.01	-11.69
		3542.49	-2.00	1 / 36	23.34	21.34	0.136	33.01	-11.67
	16-QAM	3500.01	-2.00	1 / 1	22.48	20.48	0.112	33.01	-12.53
	64-QAM	3500.01	-2.00	1 / 36	21.02	19.02	0.080	33.01	-13.99
	256-QAM	3500.01	-2.00	1 / 18	18.88	16.88	0.049	33.01	-16.13
20 MHz	π/2 BPSK	3460.02	-2.00	1 / 49	23.24	21.24	0.133	33.01	-11.78
		3500.01	-2.00	1 / 49	23.36	21.36	0.137	33.01	-11.65
		3540.00	-2.00	1 / 1	23.36	21.36	0.137	33.01	-11.65
	QPSK	3460.02	-2.00	1 / 49	23.24	21.24	0.133	33.01	-11.77
		3500.01	-2.00	1 / 49	23.29	21.29	0.135	33.01	-11.72
		3540.00	-2.00	1 / 1	23.38	21.38	0.137	33.01	-11.63
	16-QAM	3540.00	-2.00	1 / 1	22.52	20.52	0.113	33.01	-12.49
	64-QAM	3500.01	-2.00	1 / 1	20.89	18.89	0.077	33.01	-14.12
	256-QAM	3540.00	-2.00	1 / 1	18.95	16.95	0.050	33.01	-16.06
30 MHz	π/2 BPSK	3465.00	-2.00	1 / 76	23.48	21.48	0.141	33.01	-11.53
		3500.01	-2.00	1 / 1	23.48	21.48	0.140	33.01	-11.53
		3534.99	-2.00	1 / 1	23.50	21.50	0.141	33.01	-11.51
	QPSK	3465.00	-2.00	1 / 76	23.47	21.47	0.140	33.01	-11.54
		3500.01	-2.00	1 / 1	23.45	21.45	0.139	33.01	-11.56
		3534.99	-2.00	1 / 1	23.48	21.48	0.141	33.01	-11.53
	16-QAM	3465.00	-2.00	1 / 36	22.53	20.53	0.113	33.01	-12.48
	64-QAM	3534.99	-2.00	1 / 36	20.95	18.95	0.078	33.01	-14.06
	256-QAM	3534.99	-2.00	1 / 76	18.95	16.95	0.050	33.01	-16.06
40 MHz	π/2 BPSK	3470.01	-2.00	1 / 104	23.50	21.50	0.141	33.01	-11.51
		3500.01	-2.00	1 / 104	23.45	21.45	0.140	33.01	-11.56
		3529.98	-2.00	1 / 50	23.43	21.43	0.139	33.01	-11.58
	QPSK	3470.01	-2.00	1 / 104	23.48	21.48	0.141	33.01	-11.53
		3500.01	-2.00	1 / 1	23.46	21.46	0.140	33.01	-11.55
		3529.98	-2.00	1 / 104	23.49	21.49	0.141	33.01	-11.52
	16-QAM	3529.98	-2.00	1 / 104	22.62	20.62	0.115	33.01	-12.39
	64-QAM	3500.01	-2.00	1 / 104	21.01	19.01	0.080	33.01	-14.00
	256-QAM	3529.98	-2.00	1 / 104	19.03	17.03	0.050	33.01	-15.98
50 MHz	π/2 BPSK	3475.02	-2.00	1 / 1	23.09	21.09	0.129	33.01	-11.92
		3500.01	-2.00	1 / 1	23.11	21.11	0.129	33.01	-11.90
		3525.00	-2.00	1 / 64	23.05	21.05	0.127	33.01	-11.96
	QPSK	3475.02	-2.00	1 / 1	23.11	21.11	0.129	33.01	-11.90
		3500.01	-2.00	1 / 1	23.12	21.12	0.129	33.01	-11.90
		3525.00	-2.00	1 / 1	23.08	21.08	0.128	33.01	-11.93
	16-QAM	3500.01	-2.00	1 / 131	22.23	20.23	0.105	33.01	-12.78
	64-QAM	3500.01	-2.00	1 / 1	20.63	18.63	0.073	33.01	-14.38
	256-QAM	3475.02	-2.00	1 / 1	18.57	16.57	0.045	33.01	-16.44
60 MHz	π/2 BPSK	3480.00	-2.00	1 / 81	23.14	21.14	0.130	33.01	-11.87
		3500.01	-2.00	1 / 81	23.10	21.10	0.129	33.01	-11.91
		3519.99	-2.00	1 / 81	23.21	21.21	0.132	33.01	-11.80
	QPSK	3480.00	-2.00	1 / 160	23.16	21.16	0.131	33.01	-11.85
		3500.01	-2.00	1 / 81	23.14	21.14	0.130	33.01	-11.88
		3519.99	-2.00	1 / 81	23.21	21.21	0.132	33.01	-11.80
	16-QAM	3519.99	-2.00	1 / 160	22.25	20.25	0.106	33.01	-12.76
	64-QAM	3480.00	-2.00	1 / 160	20.62	18.62	0.073	33.01	-14.39
	256-QAM	3500.01	-2.00	1 / 81	18.85	16.85	0.048	33.01	-16.16
70 MHz	π/2 BPSK	3485.01	-2.00	1 / 90	23.12	21.12	0.130	33.01	-11.89
		3500.01	-2.00	1 / 187	23.10	21.10	0.129	33.01	-11.91
		3514.98	-2.00	1 / 90	23.23	21.23	0.133	33.01	-11.78
	QPSK	3485.01	-2.00	1 / 1	23.17	21.17	0.131	33.01	-11.84
		3500.01	-2.00	1 / 187	23.25	21.25	0.133	33.01	-11.76
		3514.98	-2.00	1 / 90	23.15	21.15	0.130	33.01	-11.86
	16-QAM	3500.01	-2.00	1 / 90	22.48	20.48	0.112	33.01	-12.53
	64-QAM	3514.98	-2.00	1 / 187	20.96	18.96	0.079	33.01	-14.05
	256-QAM	3485.01	-2.00	1 / 187	18.69	16.69	0.047	33.01	-16.32
80 MHz	π/2 BPSK	3490.02	-2.00	1 / 214	23.14	21.14	0.130	33.01	-11.87
		3500.01	-2.00	1 / 214	23.11	21.11	0.129	33.01	-11.91
		3510.00	-2.00	1 / 108	23.14	21.14	0.130	33.01	-11.87
	QPSK	3490.02	-2.00	1 / 108	23.17	21.17	0.131	33.01	-11.84
		3500.01	-2.00	1 / 214	23.15	21.15	0.130	33.01	-11.86
		3510.00	-2.00	1 / 1	23.11	21.11	0.129	33.01	-11.90
	16-QAM	3490.02	-2.00	1 / 214	22.31	20.31	0.107	33.01	-12.70
	64-QAM	3510.00	-2.00	1 / 214	20.81	18.81	0.076	33.01	-14.20
	256-QAM	3510.00	-2.00	1 / 214	18.74	16.74	0.047	33.01	-16.27
90 MHz	π/2 BPSK	3495.00	-2.00	1 / 243	23.18	21.18	0.131	33.01	-11.83
		3500.01	-2.00	1 / 120	23.13	21.13	0.130	33.01	-11.89
		3504.99	-2.00	1 / 120	23.15	21.15	0.130	33.01	-11.86
	QPSK	3495.00	-2.00	1 / 243	23.21	21.21	0.132	33.01	-11.80
		3500.01	-2.00	1 / 243	23.29	21.29	0.134	33.01	-11.72
		3504.99	-2.00	1 / 243	23.22	21.22	0.132	33.01	-11.79
	16-QAM	3500.01	-2.00	1 / 243	22.27	20.27	0.107	33.01	-12.74
	64-QAM	3495.00	-2.00	1 / 243	20.82	18.82	0.076	33.01	-14.19
	256-QAM	3500.01	-2.00	1 / 243	18.78	16.78	0.048	33.01	-16.23
100 MHz	π/2 BPSK	3500.01	-2.00	1 / 271	23.29	21.29	0.135	33.01	-11.72
		3500.01	-2.00	1 / 271	23.26	21.26	0.134	33.01	-11.75
		3500.01	-2.00	1 / 271	22.05	20.05	0.101	33.01	-12.96
	QPSK	3500.01	-2.00	1 / 271	20.76	18.76	0.075	33.01	-14.25
		3500.01	-2.00	1 / 135	18.78	16.78	0.048	33.01	-16.23
	256-QAM	3500.01	-2.00	1 / 135	18.78	16.78	0.048	33.01	-16.23

Table 7-14. Antenna 1a EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device		Page 246 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-2.00	1 / 22	23.06	21.06	0.128	33.01	-11.95
		3500.01	-2.00	1 / 1	23.11	21.11	0.129	33.01	-11.90
		3544.98	-2.00	1 / 22	23.23	21.23	0.133	33.01	-11.78
	QPSK	3455.01	-2.00	1 / 22	23.09	21.09	0.128	33.01	-11.92
		3500.01	-2.00	1 / 22	23.22	21.22	0.132	33.01	-11.79
		3544.98	-2.00	1 / 1	23.24	21.24	0.133	33.01	-11.77
	16-QAM	3544.98	-2.00	1 / 12	22.40	20.40	0.110	33.01	-12.61
	64-QAM	3544.98	-2.00	1 / 22	20.78	18.78	0.075	33.01	-14.23
	256-QAM	3544.98	-2.00	1 / 22	18.78	16.78	0.048	33.01	-16.23
		3457.50	-2.00	1 / 1	23.21	21.21	0.132	33.01	-11.80
15 MHz	π/2 BPSK	3500.01	-2.00	1 / 1	23.31	21.31	0.135	33.01	-11.70
		3542.49	-2.00	1 / 1	23.37	21.37	0.137	33.01	-11.64
		3457.50	-2.00	1 / 1	23.24	21.24	0.133	33.01	-11.77
	QPSK	3500.01	-2.00	1 / 1	23.36	21.36	0.137	33.01	-11.65
		3542.49	-2.00	1 / 1	23.38	21.38	0.137	33.01	-11.64
		3500.01	-2.00	1 / 1	22.38	20.38	0.109	33.01	-12.63
	16-QAM	3542.49	-2.00	1 / 36	20.95	18.95	0.078	33.01	-14.06
	64-QAM	3542.49	-2.00	1 / 36	20.95	18.95	0.078	33.01	-14.06
	256-QAM	3500.01	-2.00	1 / 1	18.82	16.82	0.048	33.01	-16.19
		3460.02	-2.00	1 / 49	23.22	21.22	0.132	33.01	-11.79
20 MHz	π/2 BPSK	3500.01	-2.00	1 / 49	23.30	21.30	0.135	33.01	-11.71
		3540.00	-2.00	1 / 49	23.38	21.38	0.137	33.01	-11.63
		3460.02	-2.00	1 / 49	23.23	21.23	0.133	33.01	-11.78
	QPSK	3500.01	-2.00	1 / 1	23.32	21.32	0.135	33.01	-11.69
		3540.00	-2.00	1 / 1	23.36	21.36	0.137	33.01	-11.65
		3460.02	-2.00	1 / 25	22.48	20.48	0.112	33.01	-12.53
	16-QAM	3540.00	-2.00	1 / 1	21.01	19.01	0.080	33.01	-14.00
	64-QAM	3540.00	-2.00	1 / 1	21.01	19.01	0.080	33.01	-14.00
	256-QAM	3540.00	-2.00	1 / 49	18.84	16.84	0.048	33.01	-16.17
		3465.00	-2.00	1 / 76	23.42	21.42	0.139	33.01	-11.59
30 MHz	π/2 BPSK	3500.01	-2.00	1 / 1	23.48	21.48	0.141	33.01	-11.53
		3534.99	-2.00	1 / 1	23.48	21.48	0.141	33.01	-11.53
		3465.00	-2.00	1 / 76	23.45	21.45	0.140	33.01	-11.56
	QPSK	3500.01	-2.00	1 / 1	23.50	21.50	0.141	33.01	-11.51
		3534.99	-2.00	1 / 1	23.50	21.50	0.141	33.01	-11.51
		3465.00	-2.00	1 / 1	22.79	20.79	0.120	33.01	-12.22
	16-QAM	3534.99	-2.00	1 / 1	21.15	19.15	0.082	33.01	-13.86
	64-QAM	3534.99	-2.00	1 / 1	21.15	19.15	0.082	33.01	-13.86
	256-QAM	3534.99	-2.00	1 / 1	18.87	16.87	0.049	33.01	-16.14
		3470.01	-2.00	1 / 104	23.46	21.46	0.140	33.01	-11.55
40 MHz	π/2 BPSK	3500.01	-2.00	1 / 1	23.46	21.46	0.140	33.01	-11.55
		3529.98	-2.00	1 / 104	23.50	21.50	0.141	33.01	-11.51
		3470.01	-2.00	1 / 104	23.45	21.45	0.140	33.01	-11.56
	QPSK	3500.01	-2.00	1 / 104	23.50	21.50	0.141	33.01	-11.51
		3529.98	-2.00	1 / 1	23.48	21.48	0.141	33.01	-11.53
		3470.01	-2.00	1 / 104	22.79	20.79	0.120	33.01	-12.22
	16-QAM	3529.98	-2.00	1 / 104	21.04	19.04	0.080	33.01	-13.97
	64-QAM	3529.98	-2.00	1 / 104	21.04	19.04	0.080	33.01	-13.97
	256-QAM	3470.01	-2.00	1 / 104	19.15	17.15	0.052	33.01	-15.86
		3475.02	-2.00	1 / 64	23.08	21.08	0.128	33.01	-11.93
50 MHz	π/2 BPSK	3500.01	-2.00	1 / 1	23.14	21.14	0.130	33.01	-11.87
		3525.00	-2.00	1 / 64	23.24	21.24	0.133	33.01	-11.77
		3475.02	-2.00	1 / 1	23.13	21.13	0.130	33.01	-11.88
	QPSK	3500.01	-2.00	1 / 131	23.12	21.12	0.129	33.01	-11.89
		3525.00	-2.00	1 / 1	23.11	21.11	0.129	33.01	-11.90
		3475.02	-2.00	1 / 1	22.33	20.33	0.108	33.01	-12.68
	16-QAM	3525.00	-2.00	1 / 131	20.68	18.68	0.074	33.01	-14.33
	64-QAM	3525.00	-2.00	1 / 131	20.68	18.68	0.074	33.01	-14.33
	256-QAM	3500.01	-2.00	1 / 64	18.67	16.67	0.046	33.01	-16.34
		3480.00	-2.00	1 / 81	23.25	21.25	0.133	33.01	-11.76
60 MHz	π/2 BPSK	3500.01	-2.00	1 / 81	23.24	21.24	0.133	33.01	-11.77
		3519.99	-2.00	1 / 81	23.22	21.22	0.132	33.01	-11.79
		3480.00	-2.00	1 / 81	23.20	21.20	0.132	33.01	-11.81
	QPSK	3500.01	-2.00	1 / 81	23.16	21.16	0.131	33.01	-11.85
		3519.99	-2.00	1 / 81	23.29	21.29	0.134	33.01	-11.72
		3480.00	-2.00	1 / 160	22.28	20.28	0.107	33.01	-12.73
	16-QAM	3500.01	-2.00	1 / 81	20.81	18.81	0.076	33.01	-14.20
	64-QAM	3500.01	-2.00	1 / 81	20.81	18.81	0.076	33.01	-14.20
	256-QAM	3519.99	-2.00	1 / 81	18.79	16.79	0.048	33.01	-16.22
		3485.01	-2.00	1 / 1	23.06	21.06	0.128	33.01	-11.95
70 MHz	π/2 BPSK	3500.01	-2.00	1 / 1	23.16	21.16	0.131	33.01	-11.85
		3514.98	-2.00	1 / 187	23.21	21.21	0.132	33.01	-11.80
		3485.01	-2.00	1 / 1	23.11	21.11	0.129	33.01	-11.90
	QPSK	3500.01	-2.00	1 / 187	23.22	21.22	0.132	33.01	-11.79
		3514.98	-2.00	1 / 90	23.17	21.17	0.131	33.01	-11.84
		3485.01	-2.00	1 / 187	22.40	20.40	0.110	33.01	-12.61
	16-QAM	3514.98	-2.00	1 / 187	22.40	20.40	0.110	33.01	-12.61
	64-QAM	3500.01	-2.00	1 / 90	20.69	18.69	0.074	33.01	-14.32
	256-QAM	3500.01	-2.00	1 / 90	18.61	16.61	0.046	33.01	-16.40
		3490.02	-2.00	1 / 214	23.21	21.21	0.132	33.01	-11.80
80 MHz	π/2 BPSK	3500.01	-2.00	1 / 214	23.18	21.18	0.131	33.01	-11.83
		3510.00	-2.00	1 / 214	23.21	21.21	0.132	33.01	-11.80
		3490.02	-2.00	1 / 108	23.18	21.18	0.131	33.01	-11.83
	QPSK	3500.01	-2.00	1 / 108	23.13	21.13	0.130	33.01	-11.88
		3510.00	-2.00	1 / 108	23.22	21.22	0.133	33.01	-11.79
		3490.02	-2.00	1 / 108	22.27	20.27	0.106	33.01	-12.74
	16-QAM	3510.00	-2.00	1 / 108	20.79	18.79	0.076	33.01	-14.22
	64-QAM	3490.02	-2.00	1 / 1	20.79	18.79	0.076	33.01	-14.22
	256-QAM	3500.01	-2.00	1 / 214	18.71	16.71	0.047	33.01	-16.30
		3495.00	-2.00	1 / 243	23.23	21.23	0.133	33.01	-11.78
90 MHz	π/2 BPSK	3500.01	-2.00	1 / 243	23.27	21.27	0.134	33.01	-11.74
		3504.99	-2.00	1 / 243	23.28	21.28	0.134	33.01	-11.73
		3495.00	-2.00	1 / 243	23.39	21.39	0.138	33.01	-11.62
	QPSK	3500.01	-2.00	1 / 243	23.29	21.29	0.134	33.01	-11.72
		3504.99	-2.00	1 / 243	23.34	21.34	0.136	33.01	-11.67
		3495.00	-2.00	1 / 243	22.32	20.32	0.108	33.01	-12.69
	16-QAM	3504.99	-2.00	1 / 243	20.79	18.79	0.076	33.01	-14.22
	64-QAM	3504.99	-2.00	1 / 243	20.79	18.79	0.076	33.01	-14.22
	256-QAM	3504.99	-2.00	1 / 243	18.67	16.67	0.046	33.01	-16.34
		3500.01	-2.00	1 / 271	23.15	21.15	0.130	33.01	-11.86
100 MHz	π/2 BPSK	3500.01	-2.00	1 / 271	23.12	21.12	0.129	33.01	-11.89
	QPSK	3500.01	-2.00	1 / 271	21.99	19.99	0.100	33.01	-13.02
	16-QAM	3500.01	-2.00	1 / 271	20.86	18.86	0.077	33.01	-14.15
	256-QAM	3500.01	-2.00	1 / 271	18.88	16.88	0.049	33.01	-16.13

Table 7-15. Antenna 1a EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 247 of 266	

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP (Watts)	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-2.90	1 / 22	23.33	20.43	0.110	33.01	-12.58
		3840.00	-2.90	1 / 12	23.39	20.49	0.112	33.01	-12.52
		3975.00	-2.90	1 / 22	23.39	20.49	0.112	33.01	-12.52
	QPSK	3705.00	-2.90	1 / 22	23.50	20.60	0.115	33.01	-12.41
		3840.00	-2.90	1 / 1	23.46	20.56	0.114	33.01	-12.45
		3975.00	-2.90	1 / 12	23.43	20.53	0.113	33.01	-12.48
	16-QAM	3840.00	-2.90	1 / 1	22.58	19.68	0.093	33.01	-13.33
		3975.00	-2.90	1 / 1	21.30	18.40	0.069	33.01	-14.61
	256-QAM	3840.00	-2.90	1 / 1	18.61	15.71	0.037	33.01	-17.31
	15 MHz	π/2 BPSK	3707.51	-2.90	1 / 36	23.41	20.51	0.113	33.01
3840.00			-2.90	1 / 18	23.32	20.42	0.110	33.01	-12.59
3972.50			-2.90	1 / 1	23.35	20.45	0.111	33.01	-12.57
QPSK		3707.51	-2.90	1 / 36	23.44	20.54	0.113	33.01	-12.47
		3840.00	-2.90	1 / 1	23.37	20.47	0.111	33.01	-12.54
		3972.50	-2.90	1 / 1	23.37	20.47	0.112	33.01	-12.57
16-QAM		3707.51	-2.90	1 / 36	22.54	19.64	0.092	33.01	-13.37
64-QAM		3707.51	-2.90	1 / 36	21.05	18.15	0.065	33.01	-14.86
256-QAM		3707.51	-2.90	1 / 36	18.95	16.05	0.040	33.01	-16.96
20 MHz		π/2 BPSK	3710.01	-2.90	1 / 49	23.46	20.56	0.114	33.01
	3840.00		-2.90	1 / 25	23.34	20.44	0.111	33.01	-12.57
	3969.99		-2.90	1 / 49	23.36	20.46	0.111	33.01	-12.55
	QPSK	3710.01	-2.90	1 / 49	23.47	20.57	0.114	33.01	-12.44
		3840.00	-2.90	1 / 1	23.38	20.48	0.112	33.01	-12.53
		3969.99	-2.90	1 / 49	23.36	20.46	0.111	33.01	-12.55
	16-QAM	3969.99	-2.90	1 / 1	22.56	19.66	0.093	33.01	-13.35
	64-QAM	3969.99	-2.90	1 / 1	21.16	18.26	0.067	33.01	-14.75
	256-QAM	3710.01	-2.90	1 / 49	18.96	16.06	0.040	33.01	-16.95
	30 MHz	π/2 BPSK	3715.02	-2.90	1 / 76	23.43	20.53	0.113	33.01
3840.00			-2.90	1 / 1	23.37	20.47	0.111	33.01	-12.54
3964.98			-2.90	1 / 1	23.45	20.55	0.114	33.01	-12.46
QPSK		3715.02	-2.90	1 / 36	23.44	20.54	0.113	33.01	-12.47
		3840.00	-2.90	1 / 76	23.38	20.48	0.112	33.01	-12.53
		3964.98	-2.90	1 / 1	23.50	20.60	0.115	33.01	-12.41
16-QAM		3715.02	-2.90	1 / 76	22.80	19.90	0.098	33.01	-13.11
64-QAM		3964.98	-2.90	1 / 36	21.07	18.17	0.066	33.01	-14.84
256-QAM		3964.98	-2.90	1 / 1	18.91	16.01	0.040	33.01	-17.00
40 MHz		π/2 BPSK	3720.00	-2.90	1 / 50	23.48	20.58	0.114	33.01
	3840.00		-2.90	1 / 1	23.49	20.59	0.115	33.01	-12.42
	3960.00		-2.90	1 / 1	23.43	20.53	0.113	33.01	-12.48
	QPSK	3720.00	-2.90	1 / 50	23.49	20.59	0.115	33.01	-12.42
		3840.00	-2.90	1 / 104	23.45	20.55	0.114	33.01	-12.46
		3960.00	-2.90	1 / 1	23.50	20.60	0.115	33.01	-12.41
	16-QAM	3840.00	-2.90	1 / 104	22.62	19.72	0.094	33.01	-13.29
	64-QAM	3840.00	-2.90	1 / 1	21.07	18.17	0.065	33.01	-14.84
	256-QAM	3720.00	-2.90	1 / 50	19.11	16.21	0.042	33.01	-16.80
	50 MHz	π/2 BPSK	3725.01	-2.90	1 / 64	23.29	20.39	0.109	33.01
3954.99			-2.90	1 / 1	23.15	20.25	0.106	33.01	-12.76
3725.01			-2.90	1 / 64	23.46	20.56	0.114	33.01	-12.45
QPSK		3840.00	-2.90	1 / 64	23.25	20.35	0.109	33.01	-12.66
		3954.99	-2.90	1 / 1	23.25	20.35	0.108	33.01	-12.66
		3725.01	-2.90	1 / 131	22.35	19.45	0.088	33.01	-13.56
16-QAM		3840.00	-2.90	1 / 131	20.93	18.03	0.064	33.01	-14.98
64-QAM		3840.00	-2.90	1 / 131	20.93	18.03	0.064	33.01	-14.98
256-QAM		3725.01	-2.90	1 / 64	18.93	16.03	0.040	33.01	-16.98
60 MHz		π/2 BPSK	3730.02	-2.90	1 / 81	23.39	20.49	0.112	33.01
	3840.00		-2.90	1 / 81	23.15	20.25	0.106	33.01	-12.76
	3949.98		-2.90	1 / 81	23.12	20.22	0.105	33.01	-12.79
	QPSK	3730.02	-2.90	1 / 160	23.21	20.31	0.107	33.01	-12.70
		3840.00	-2.90	1 / 1	23.13	20.23	0.105	33.01	-12.78
		3949.98	-2.90	1 / 1	23.17	20.27	0.106	33.01	-12.74
	16-QAM	3840.00	-2.90	1 / 160	22.31	19.41	0.087	33.01	-13.60
	64-QAM	3730.02	-2.90	1 / 81	20.93	18.03	0.064	33.01	-14.98
	256-QAM	3949.98	-2.90	1 / 81	18.76	15.86	0.039	33.01	-17.15
	70 MHz	π/2 BPSK	3735.01	-2.90	1 / 1	23.14	20.24	0.106	33.01
3840.00			-2.90	1 / 90	23.18	20.28	0.107	33.01	-12.73
3945.00			-2.90	1 / 1	23.25	20.35	0.108	33.01	-12.67
QPSK		3735.00	-2.90	1 / 90	23.23	20.33	0.108	33.01	-12.68
		3840.00	-2.90	1 / 90	23.18	20.28	0.107	33.01	-12.73
		3945.00	-2.90	1 / 1	23.21	20.31	0.107	33.01	-12.70
16-QAM		3735.00	-2.90	1 / 90	22.40	19.50	0.089	33.01	-13.51
64-QAM		3735.00	-2.90	1 / 90	20.95	18.05	0.064	33.01	-14.96
256-QAM		3945.00	-2.90	1 / 90	18.75	15.85	0.038	33.01	-17.16
80 MHz		π/2 BPSK	3740.01	-2.90	1 / 108	23.30	20.40	0.110	33.01
	3840.00		-2.90	1 / 108	23.22	20.32	0.108	33.01	-12.69
	3939.99		-2.90	1 / 214	23.08	20.18	0.104	33.01	-12.83
	QPSK	3740.01	-2.90	1 / 214	23.27	20.37	0.109	33.01	-12.64
		3840.00	-2.90	1 / 108	23.23	20.33	0.108	33.01	-12.68
		3939.99	-2.90	1 / 108	23.08	20.18	0.104	33.01	-12.83
	16-QAM	3840.00	-2.90	1 / 214	22.39	19.49	0.089	33.01	-13.52
	64-QAM	3939.99	-2.90	1 / 108	20.93	18.03	0.064	33.01	-14.98
	256-QAM	3740.01	-2.90	1 / 108	18.86	15.96	0.039	33.01	-17.05
	90 MHz	π/2 BPSK	3745.02	-2.90	1 / 1	23.21	20.31	0.107	33.01
3840.00			-2.90	1 / 120	23.34	20.44	0.111	33.01	-12.57
3934.98			-2.90	1 / 1	23.27	20.37	0.109	33.01	-12.64
QPSK		3745.02	-2.90	1 / 243	23.37	20.47	0.111	33.01	-12.54
		3840.00	-2.90	1 / 243	23.34	20.44	0.111	33.01	-12.57
		3934.98	-2.90	1 / 120	23.36	20.46	0.111	33.01	-12.55
16-QAM		3745.02	-2.90	1 / 120	22.66	19.76	0.095	33.01	-13.25
64-QAM		3934.98	-2.90	1 / 1	21.07	18.17	0.066	33.01	-14.84
256-QAM		3934.98	-2.90	1 / 1	18.85	15.95	0.039	33.01	-17.06
100 MHz		π/2 BPSK	3750.00	-2.90	1 / 135	23.40	20.50	0.112	33.01
	3840.00		-2.90	1 / 135	23.36	20.46	0.111	33.01	-12.55
	3930.00		-2.90	1 / 1	23.33	20.43	0.110	33.01	-12.59
	QPSK	3750.00	-2.90	1 / 135	23.30	20.40	0.110	33.01	-12.61
		3840.00	-2.90	1 / 271	23.32	20.42	0.110	33.01	-12.59
		3930.00	-2.90	1 / 1	23.36	20.46	0.111	33.01	-12.55
	16-QAM	3840.00	-2.90	1 / 271	22.74	19.84	0.096	33.01	-13.17
	64-QAM	3840.00	-2.90	1 / 271	21.10	18.20	0.066	33.01	-14.81
	256-QAM	3750.00	-2.90	1 / 135	18.82	15.92	0.039	33.01	-17.09

Table 7-16. Antenna 1a EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 248 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-2.90	1 / 12	23.43	20.53	0.113	33.01	-12.48
		3840.00	-2.90	1 / 1	23.33	20.43	0.110	33.01	-12.58
		3975.00	-2.90	1 / 12	23.33	20.43	0.110	33.01	-12.58
	QPSK	3705.00	-2.90	1 / 12	23.43	20.53	0.113	33.01	-12.48
		3840.00	-2.90	1 / 12	23.37	20.47	0.112	33.01	-12.54
		3975.00	-2.90	1 / 12	23.39	20.49	0.112	33.01	-12.52
	16-QAM	3705.00	-2.90	1 / 22	22.53	19.63	0.092	33.01	-13.38
	64-QAM	3705.00	-2.90	1 / 12	21.22	18.32	0.068	33.01	-14.69
	256-QAM	3975.00	-2.90	1 / 1	18.95	16.05	0.040	33.01	-16.96
	256-QAM	3707.51	-2.90	1 / 18	23.50	20.60	0.115	33.01	-12.41
15 MHz	π/2 BPSK	3840.00	-2.90	1 / 1	23.46	20.56	0.114	33.01	-12.45
		3972.50	-2.90	1 / 36	23.44	20.54	0.113	33.01	-12.47
		3707.51	-2.90	1 / 36	23.50	20.60	0.115	33.01	-12.41
	QPSK	3840.00	-2.90	1 / 1	23.50	20.60	0.115	33.01	-12.41
		3972.50	-2.90	1 / 1	23.44	20.54	0.113	33.01	-12.47
		3840.00	-2.90	1 / 1	22.60	19.70	0.093	33.01	-13.31
	16-QAM	3840.00	-2.90	1 / 36	21.17	18.27	0.067	33.01	-14.74
	64-QAM	3972.50	-2.90	1 / 36	21.17	18.27	0.067	33.01	-14.74
	256-QAM	3707.51	-2.90	1 / 18	19.02	16.12	0.041	33.01	-16.89
	256-QAM	3710.01	-2.90	1 / 25	23.50	20.60	0.115	33.01	-12.41
20 MHz	π/2 BPSK	3840.00	-2.90	1 / 1	23.40	20.50	0.112	33.01	-12.51
		3969.99	-2.90	1 / 1	23.42	20.52	0.113	33.01	-12.49
		3710.01	-2.90	1 / 49	23.50	20.60	0.115	33.01	-12.41
	QPSK	3840.00	-2.90	1 / 25	23.45	20.55	0.113	33.01	-12.46
		3969.99	-2.90	1 / 25	23.45	20.55	0.114	33.01	-12.46
		3969.99	-2.90	1 / 25	22.54	19.64	0.092	33.01	-13.37
	16-QAM	3840.00	-2.90	1 / 25	21.03	18.13	0.065	33.01	-14.88
	64-QAM	3840.00	-2.90	1 / 25	21.03	18.13	0.065	33.01	-14.88
	256-QAM	3710.01	-2.90	1 / 49	19.00	16.10	0.041	33.01	-16.92
	256-QAM	3710.01	-2.90	1 / 25	23.50	20.60	0.115	33.01	-12.41
30 MHz	π/2 BPSK	3840.00	-2.90	1 / 1	23.25	20.35	0.108	33.01	-12.66
		3964.98	-2.90	1 / 1	23.48	20.58	0.114	33.01	-12.44
		3715.02	-2.90	1 / 76	23.42	20.52	0.113	33.01	-12.49
	QPSK	3840.00	-2.90	1 / 76	23.26	20.36	0.109	33.01	-12.65
		3964.98	-2.90	1 / 1	23.50	20.60	0.115	33.01	-12.41
		3964.98	-2.90	1 / 76	22.79	19.89	0.098	33.01	-13.12
	16-QAM	3964.98	-2.90	1 / 76	21.12	18.22	0.066	33.01	-14.79
	64-QAM	3964.98	-2.90	1 / 1	21.12	18.22	0.066	33.01	-14.79
	256-QAM	3964.98	-2.90	1 / 76	19.03	16.13	0.041	33.01	-16.88
	256-QAM	3720.00	-2.90	1 / 104	23.48	20.58	0.114	33.01	-12.43
40 MHz	π/2 BPSK	3840.00	-2.90	1 / 50	23.45	20.55	0.113	33.01	-12.46
		3960.00	-2.90	1 / 1	23.50	20.60	0.115	33.01	-12.41
		3720.00	-2.90	1 / 1	23.42	20.52	0.113	33.01	-12.49
	QPSK	3840.00	-2.90	1 / 104	23.33	20.43	0.110	33.01	-12.58
		3960.00	-2.90	1 / 1	23.50	20.60	0.115	33.01	-12.41
		3960.00	-2.90	1 / 1	22.86	19.96	0.099	33.01	-13.05
	16-QAM	3960.00	-2.90	1 / 1	21.04	18.14	0.065	33.01	-14.87
	64-QAM	3960.00	-2.90	1 / 1	21.04	18.14	0.065	33.01	-14.87
	256-QAM	3960.00	-2.90	1 / 1	19.02	16.12	0.041	33.01	-16.89
	256-QAM	3720.00	-2.90	1 / 104	23.48	20.58	0.114	33.01	-12.43
50 MHz	π/2 BPSK	3840.00	-2.90	1 / 64	23.15	20.25	0.106	33.01	-12.76
		3954.99	-2.90	1 / 64	22.59	19.69	0.093	33.01	-13.32
		3725.01	-2.90	1 / 64	22.84	19.94	0.099	33.01	-13.07
	QPSK	3840.00	-2.90	1 / 64	23.16	20.26	0.106	33.01	-12.75
		3954.99	-2.90	1 / 64	22.72	19.82	0.096	33.01	-13.19
		3954.99	-2.90	1 / 1	22.84	19.94	0.099	33.01	-13.08
	16-QAM	3954.99	-2.90	1 / 64	22.09	19.19	0.083	33.01	-13.82
	64-QAM	3725.01	-2.90	1 / 64	20.71	17.81	0.060	33.01	-15.20
	256-QAM	3725.01	-2.90	1 / 64	18.74	15.84	0.038	33.01	-17.17
	256-QAM	3730.02	-2.90	1 / 81	23.02	20.12	0.103	33.01	-12.89
60 MHz	π/2 BPSK	3840.00	-2.90	1 / 81	22.68	19.78	0.095	33.01	-13.23
		3949.98	-2.90	1 / 160	22.86	19.96	0.099	33.01	-13.05
		3730.02	-2.90	1 / 81	23.17	20.27	0.106	33.01	-12.74
	QPSK	3840.00	-2.90	1 / 81	22.86	19.96	0.099	33.01	-13.05
		3949.98	-2.90	1 / 81	22.94	20.04	0.101	33.01	-12.97
		3949.98	-2.90	1 / 81	21.95	19.05	0.080	33.01	-13.96
	16-QAM	3949.98	-2.90	1 / 81	20.59	17.69	0.059	33.01	-15.32
	64-QAM	3730.02	-2.90	1 / 81	20.59	17.69	0.059	33.01	-15.32
	256-QAM	3730.02	-2.90	1 / 81	18.38	15.48	0.035	33.01	-17.53
	256-QAM	3730.02	-2.90	1 / 160	22.86	19.96	0.099	33.01	-13.05
70 MHz	π/2 BPSK	3735.00	-2.90	1 / 90	23.08	20.18	0.104	33.01	-12.83
		3840.00	-2.90	1 / 90	22.73	19.83	0.096	33.01	-13.18
		3945.00	-2.90	1 / 90	22.92	20.02	0.101	33.01	-12.99
	QPSK	3735.00	-2.90	1 / 90	23.00	20.10	0.102	33.01	-12.91
		3840.00	-2.90	1 / 1	22.75	19.85	0.097	33.01	-13.16
		3945.00	-2.90	1 / 90	22.89	19.99	0.100	33.01	-13.02
	16-QAM	3945.00	-2.90	1 / 90	22.02	19.12	0.082	33.01	-13.89
	64-QAM	3735.00	-2.90	1 / 90	20.52	17.62	0.058	33.01	-15.39
	256-QAM	3735.00	-2.90	1 / 90	18.58	15.68	0.037	33.01	-17.33
	256-QAM	3740.01	-2.90	1 / 108	22.99	20.09	0.102	33.01	-12.92
80 MHz	π/2 BPSK	3840.00	-2.90	1 / 108	22.76	19.86	0.097	33.01	-13.15
		3939.99	-2.90	1 / 108	22.84	19.94	0.099	33.01	-13.07
		3740.01	-2.90	1 / 214	22.92	20.02	0.100	33.01	-12.99
	QPSK	3840.00	-2.90	1 / 108	22.80	19.90	0.098	33.01	-13.11
		3939.99	-2.90	1 / 214	22.83	19.93	0.098	33.01	-13.08
		3939.99	-2.90	1 / 108	22.07	19.17	0.083	33.01	-13.84
	16-QAM	3740.01	-2.90	1 / 108	20.63	17.73	0.059	33.01	-15.29
	64-QAM	3740.01	-2.90	1 / 108	20.63	17.73	0.059	33.01	-15.29
	256-QAM	3740.01	-2.90	1 / 108	18.51	15.61	0.036	33.01	-17.40
	256-QAM	3745.02	-2.90	1 / 120	23.50	20.60	0.115	33.01	-12.41
90 MHz	π/2 BPSK	3840.00	-2.90	1 / 120	23.43	20.53	0.113	33.01	-12.48
		3934.98	-2.90	1 / 120	23.50	20.60	0.115	33.01	-12.41
		3745.02	-2.90	1 / 1	23.45	20.55	0.114	33.01	-12.46
	QPSK	3840.00	-2.90	1 / 1	23.40	20.50	0.112	33.01	-12.51
		3934.98	-2.90	1 / 243	23.48	20.58	0.114	33.01	-12.43
		3745.02	-2.90	1 / 120	22.61	19.71	0.094	33.01	-13.30
	16-QAM	3745.02	-2.90	1 / 243	21.34	18.44	0.070	33.01	-14.57
	64-QAM	3745.02	-2.90	1 / 243	21.34	18.44	0.070	33.01	-14.57
	256-QAM	3934.98	-2.90	1 / 243	19.13	16.23	0.042	33.01	-16.78
	256-QAM	3750.00	-2.90	1 / 271	23.48	20.58	0.114	33.01	-12.43
100 MHz	π/2 BPSK	3840.00	-2.90	1 / 1	23.47	20.57	0.114	33.01	-12.44
		3930.00	-2.90	1 / 271	23.50	20.60	0.115	33.01	-12.41
		3750.00	-2.90	1 / 135	23.45	20.55	0.114	33.01	-12.46
	QPSK	3840.00	-2.90	1 / 135	23.41	20.51	0.113	33.01	-12.50
		3930.00	-2.90	1 / 271	23.36	20.46	0.111	33.01	-12.55
		3750.00	-2.90	1 / 135	22.80	19.90	0.098	33.01	-13.11
	16-QAM	3750.00	-2.90	1 / 135	21.20	18.30	0.068	33.01	-14.71
	64-QAM	3750.00	-2.90	1 / 135	21.20	18.30	0.068	33.01	-14.71
	256-QAM	3930.00	-2.90	1 / 1	19.16	16.26	0.042	33.01	-16.75
	256-QAM	3750.00	-2.90	1 / 135	22.80	19.90	0.098	33.01	-13.11

Table 7-17. Antenna 1a EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 249 of 266

7.7 Radiated Spurious Emissions Measurements

§2.1053, §27.53(l), §27.53(n)

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: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 250 of 266

V2.2 09/07/2023

Test Setup

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

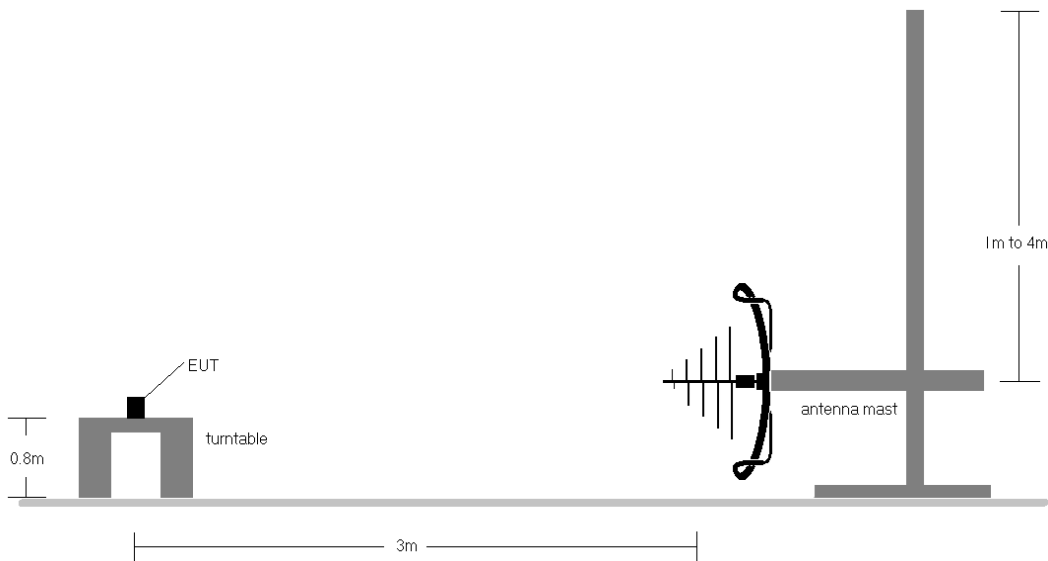


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

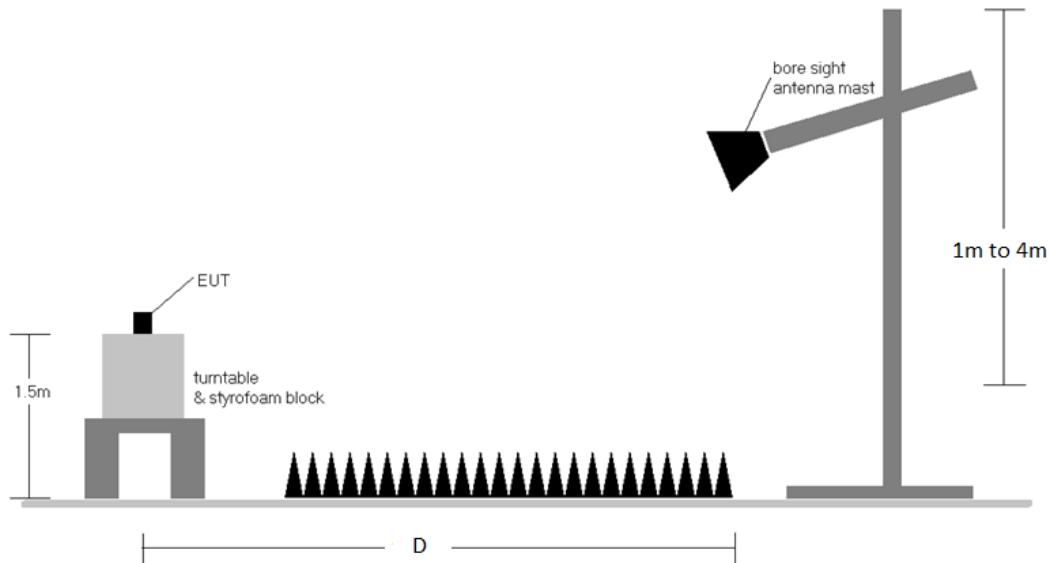


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 251 of 266

Test Notes

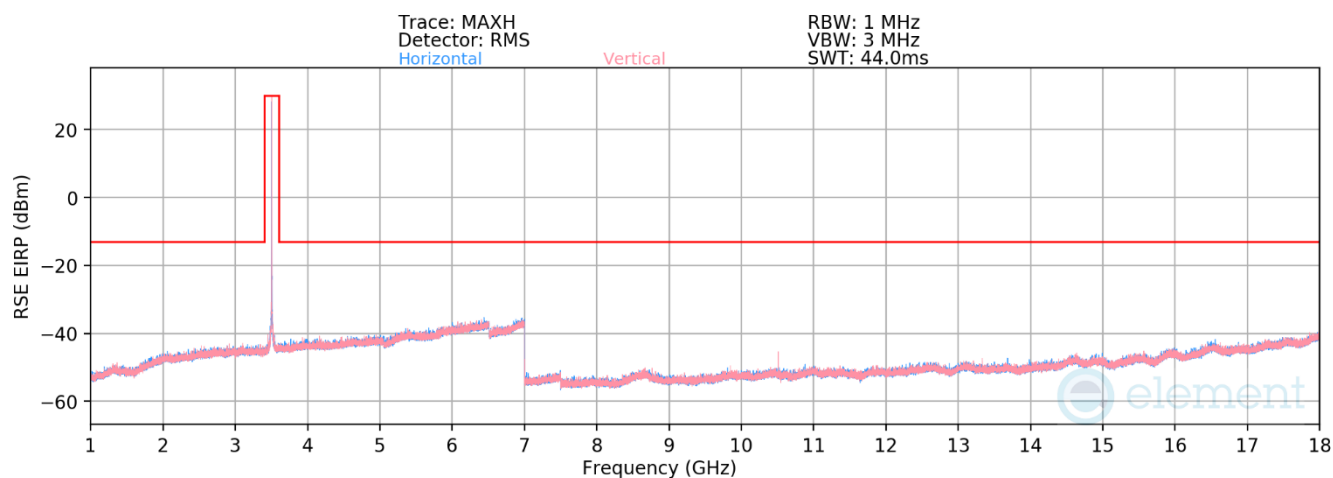
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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. 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.
8. 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.

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 252 of 266

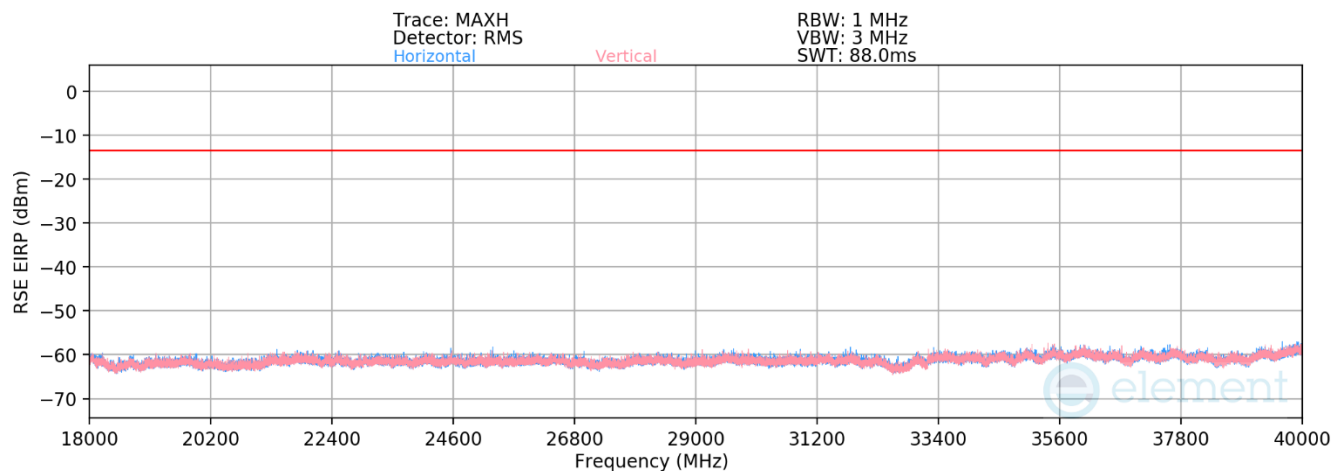
V2.2 09/07/2023

7.7.1 Antenna 3b Radiated Spurious Emission Measurements

NR Band n77 DoD Band



Plot 7-415. Antenna 3b Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 DoD Band)



Plot 7-416. Antenna 3b Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band)

FCC ID: BCGA2903	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 253 of 266

V2.2 09/07/2023

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-78.74	8.89	37.15	-58.11	-13.00	-45.11
10485.0	V	-	-	-79.10	11.06	38.96	-56.30	-13.00	-43.30
13980.0	V	-	-	-80.64	14.42	40.78	-54.47	-13.00	-41.47

Table 7-18. Antenna 3b Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
RB / Offset:	1 / 268

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	250	222	-74.12	8.75	41.63	-53.63	-13.00	-40.63
10500.0	V	236	314	-73.83	11.21	44.38	-50.88	-13.00	-37.88
14000.0	V	-	-	-80.50	14.21	40.72	-54.54	-13.00	-41.54
17500.0	V	-	-	-81.48	21.97	47.49	-47.76	-13.00	-34.76

Table 7-19. Antenna 3b Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-78.74	8.77	37.03	-58.23	-13.00	-45.23
10515.0	V	-	-	-80.01	11.17	38.16	-57.10	-13.00	-44.10
14020.0	V	-	-	-80.41	14.29	40.88	-54.38	-13.00	-41.38

Table 7-20. Antenna 3b Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 254 of 266

V2.2 09/07/2023

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NR Band n77 C Band

Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	264	230	-73.52	8.36	41.84	-53.42	-13.00	-40.42
11250.0	V	236	142	-69.57	11.54	48.97	-46.29	-13.00	-33.29
15000.0	V	-	-	-80.66	16.13	42.47	-52.79	-13.00	-39.79

Table 7-21. Antenna 3b Radiated Spurious Data (NR Band n77 C Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3840.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	264	227	-75.32	8.41	40.09	-55.17	-13.00	-42.17
11520.0	V	102	320	-75.55	11.90	43.35	-51.91	-13.00	-38.91
15360.0	V	-	-	-81.08	17.03	42.95	-52.30	-13.00	-39.30

Table 7-22. Antenna 3b Radiated Spurious Data (NR Band n77 C Band – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	243	231	-76.17	8.64	39.47	-55.79	-13.00	-42.79
11790.0	V	236	252	-72.44	12.65	47.21	-48.04	-13.00	-35.04
15720.0	V	-	-	-81.34	16.69	42.34	-52.92	-13.00	-39.92

Table 7-23. Antenna 3b Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 255 of 266

V2.2 09/07/2023

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7.7.2 Antenna 2a Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-78.66	8.87	37.21	-58.04	-13.00	-45.04
10485.0	H	-	-	-79.74	11.06	38.32	-56.94	-13.00	-43.94
13980.0	H	-	-	-80.40	14.54	41.14	-54.12	-13.00	-41.12

Table 7-24. Antenna 2a Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
RB / Offset:	1 / 268

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-79.09	8.75	36.66	-58.60	-13.00	-45.60
10500.0	H	-	-	-80.09	11.21	38.11	-57.14	-13.00	-44.14
14000.0	H	-	-	-80.48	14.21	40.73	-54.53	-13.00	-41.53

Table 7-25. Antenna 2a Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	-	-	-78.82	8.77	36.95	-58.31	-13.00	-45.31
10515.0	H	-	-	-80.30	11.17	37.87	-57.39	-13.00	-44.39
14020.0	H	-	-	-80.43	14.29	40.86	-54.40	-13.00	-41.40

Table 7-26. Antenna 2a Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 256 of 266

V2.2 09/07/2023

NR Band n77 C Band

Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	H	-	-	-78.73	8.36	36.63	-58.62	-13.00	-45.62
11250.0	H	-	-	-79.91	11.59	38.68	-56.58	-13.00	-43.58
15000.0	H	-	-	-80.53	16.09	42.56	-52.70	-13.00	-39.70

Table 7-27. Antenna 2a Radiated Spurious Data (NR Band n77 C Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3840.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-79.65	8.40	35.75	-59.51	-13.00	-46.51
11520.0	H	-	-	-80.04	11.96	38.92	-56.34	-13.00	-43.34
15360.0	H	-	-	-80.77	16.96	43.19	-52.07	-13.00	-39.07

Table 7-28. Antenna 2a Radiated Spurious Data (NR Band n77 C Band – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-79.82	8.63	35.81	-59.45	-13.00	-46.45
11790.0	H	-	-	-80.17	12.71	39.54	-55.72	-13.00	-42.72
15720.0	H	-	-	-81.13	16.73	42.60	-52.66	-13.00	-39.66

Table 7-29. Antenna 2a Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 257 of 266

V2.2 09/07/2023

7.7.3 Antenna 4 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-78.86	8.87	37.01	-58.24	-13.00	-45.24
10485.0	H	-	-	-79.66	11.06	38.40	-56.86	-13.00	-43.86
13980.0	H	-	-	-80.45	14.54	41.09	-54.17	-13.00	-41.17

Table 7-30. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
RB / Offset:	1 / 268

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-79.04	8.75	36.71	-58.55	-13.00	-45.55
10500.0	H	-	-	-80.04	11.21	38.17	-57.09	-13.00	-44.09
14000.0	H	-	-	-80.54	14.28	40.75	-54.51	-13.00	-41.51

Table 7-31. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 238

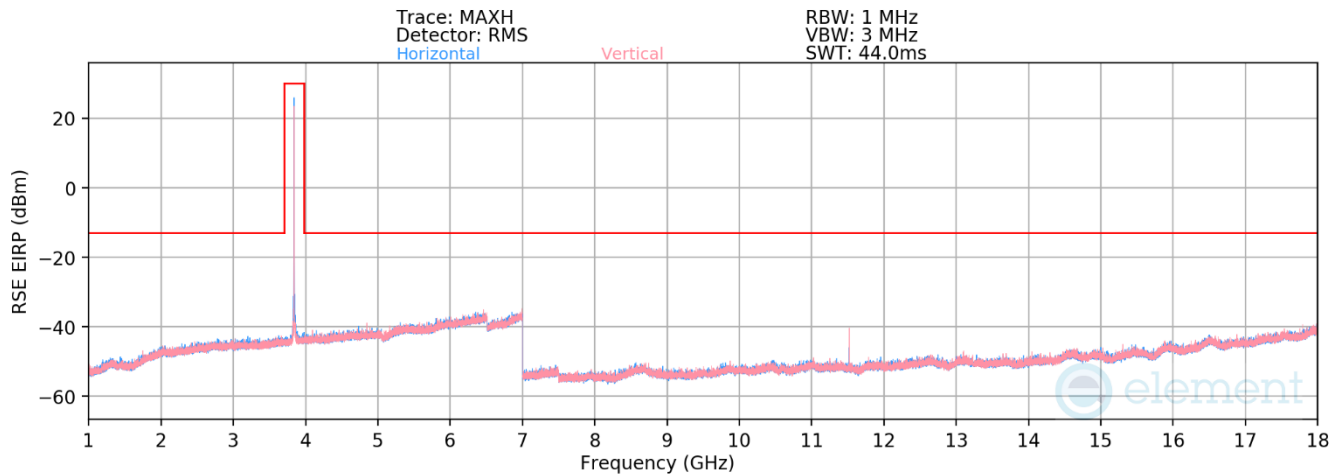
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	-	-	-78.79	8.77	36.98	-58.28	-13.00	-45.28
10515.0	H	-	-	-79.92	11.17	38.25	-57.01	-13.00	-44.01
14020.0	H	-	-	-80.61	14.29	40.68	-54.58	-13.00	-41.58

Table 7-32. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

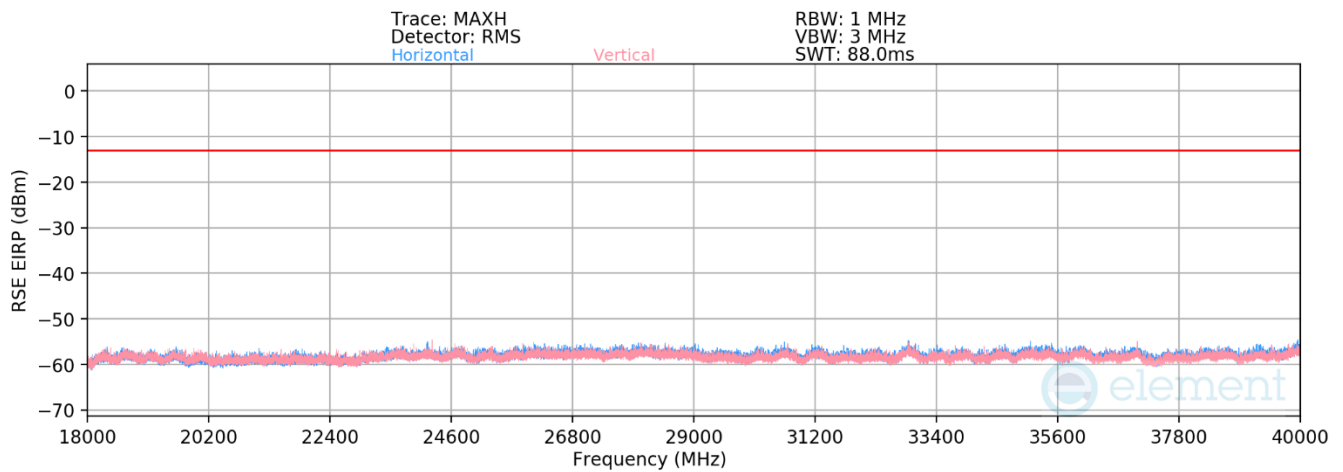
FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 258 of 266

V2.2 09/07/2023

NR Band n77 C Band



Plot 7-417. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 C Band)



Plot 7-418. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n77 C Band)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 259 of 266

V2.2 09/07/2023

Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-78.42	8.36	36.94	-58.31	-13.00	-45.31
11250.0	V	278	213	-72.49	11.59	46.10	-49.16	-13.00	-36.16
15000.0	V	-	-	-80.52	16.09	42.57	-52.69	-13.00	-39.69

Table 7-33. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3840.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-79.47	8.40	35.93	-59.33	-13.00	-46.33
11520.0	V	102	224	-66.19	11.96	52.77	-42.49	-13.00	-29.49
15360.0	V	-	-	-80.94	16.96	43.02	-52.24	-13.00	-39.24

Table 7-34. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-79.28	8.63	36.35	-58.91	-13.00	-45.91
11790.0	V	257	243	-67.28	12.71	52.43	-42.83	-13.00	-29.83
15720.0	V	-	-	-81.06	16.73	42.67	-52.59	-13.00	-39.59

Table 7-35. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 260 of 266

V2.2 09/07/2023

7.7.4 Antenna 1a Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-78.76	8.87	37.11	-58.14	-13.00	-45.14
10485.0	H	-	-	-79.79	11.06	38.27	-56.99	-13.00	-43.99
13980.0	H	-	-	-80.39	14.54	41.15	-54.11	-13.00	-41.11

Table 7-36. Antenna 1a Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
RB / Offset:	1 / 268

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-78.75	8.75	36.99	-58.27	-13.00	-45.27
10500.0	H	-	-	-80.10	11.21	38.11	-57.15	-13.00	-44.15
14000.0	H	-	-	-80.43	14.21	40.78	-54.47	-13.00	-41.47

Table 7-37. Antenna 1a Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	-	-	-78.81	8.77	36.96	-58.30	-13.00	-45.30
10515.0	H	-	-	-80.11	11.17	38.06	-57.20	-13.00	-44.20
14020.0	H	-	-	-80.32	14.29	40.97	-54.29	-13.00	-41.29

Table 7-38. Antenna 1a Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device
		Page 261 of 266

V2.2 09/07/2023

NR Band n77 C Band

Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	H	-	-	-78.72	8.36	36.64	-58.61	-13.00	-45.61
11250.0	H	-	-	-79.91	11.59	38.68	-56.58	-13.00	-43.58
15000.0	H	-	-	-80.65	16.09	42.44	-52.82	-13.00	-39.82

Table 7-39. Antenna 1a Radiated Spurious Data (NR Band n77 C Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3840.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-79.55	8.40	35.85	-59.41	-13.00	-46.41
11520.0	H	-	-	-79.91	11.96	39.05	-56.21	-13.00	-43.21
15360.0	H	-	-	-80.49	16.96	43.47	-51.79	-13.00	-38.79

Table 7-40. Antenna 1a Radiated Spurious Data (NR Band n77 C Band – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-79.64	8.63	35.99	-59.27	-13.00	-46.27
11790.0	H	-	-	-80.22	12.71	39.49	-55.77	-13.00	-42.77
15720.0	H	-	-	-81.08	16.73	42.65	-52.61	-13.00	-39.61

Table 7-41. Antenna 1a Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 262 of 266

V2.2 09/07/2023

7.8 Frequency Stability / Temperature Variation

\$2.1055, \$27.54

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015 and TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

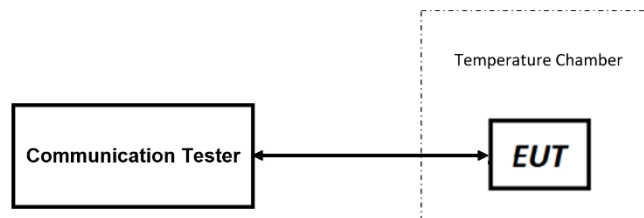


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All ports were tested and only the worst case data were reported.

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 263 of 266

V2.2 09/07/2023

Frequency Stability / Temperature Variation

NR Band n77 (3450-3550MHz)

Operating Band Lower Boundary (GHz)		3.4500		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.45046470	-0.00046470
		- 20	3.45045988	-0.00045987
		- 10	3.45046514	-0.00046514
		0	3.45045824	-0.00045823
		+ 10	3.45045977	-0.00045977
		+ 20 (Ref)	3.45046190	-0.00046189
		+ 30	3.45045848	-0.00045848
		+ 40	3.45045850	-0.00045850
		+ 50	3.45046056	-0.00046056
Battery Endpoint	3.40	+ 20	3.45046469	-0.00046469

Table 7-42. NR Band n77 DoD Band Lower Boundary Frequency Stability Data

NR Band n77 (3450-3550MHz)

Operating Band Upper Boundary (GHz)		3.5500		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.54962629	-0.00037371
		- 20	3.54963145	-0.00036855
		- 10	3.54962729	-0.00037271
		0	3.54963164	-0.00036836
		+ 10	3.54962283	-0.00037717
		+ 20 (Ref)	3.54963060	-0.00036940
		+ 30	3.54962607	-0.00037393
		+ 40	3.54962608	-0.00037392
		+ 50	3.54962801	-0.00037199
Battery Endpoint	3.40	+ 20	3.54962697	-0.00037303

Table 7-43. NR Band n77 DoD Band Upper Boundary Frequency Stability Data

FCC ID: BCGA2903			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device		Page 264 of 266

V2.2 09/07/2023

Frequency Stability / Temperature Variation

NR Band n77 (3700-3980MHz)				
Operating Band Lower Boundary (GHz)			3.700	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.70055035	-0.00055035
		- 20	3.70055034	-0.00055034
		- 10	3.70054954	-0.00054954
		0	3.70055217	-0.00055217
		+ 10	3.70055308	-0.00055308
		+ 20 (Ref)	3.70055105	-0.00055105
		+ 30	3.70055538	-0.00055537
		+ 40	3.70055338	-0.00055338
		+ 50	3.70055237	-0.00055237
Battery Endpoint	3.40	+ 20	3.70054716	-0.00054716

Table 7-44. NR Band n77 C-Band Lower Boundary Frequency Stability Data

NR Band n77 (3700-3980MHz)				
Operating Band Upper Boundary (GHz)			3.980	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.97961885	-0.00038115
		- 20	3.97961985	-0.00038015
		- 10	3.97962096	-0.00037904
		0	3.97961996	-0.00038004
		+ 10	3.97961752	-0.00038248
		+ 20 (Ref)	3.97961685	-0.00038315
		+ 30	3.97961806	-0.00038194
		+ 40	3.97961814	-0.00038186
		+ 50	3.97961882	-0.00038118
Battery Endpoint	3.40	+ 20	3.97961985	-0.00038015

Table 7-45. NR Band n77 C-Band Upper Boundary Frequency Stability Data

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 265 of 266

V2.2 09/07/2023

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA2903** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-11-R1.BCG	Test Dates: 10/1/2023 - 3/18/2024	EUT Type: Tablet Device	Page 266 of 266

V2.2 09/07/2023

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