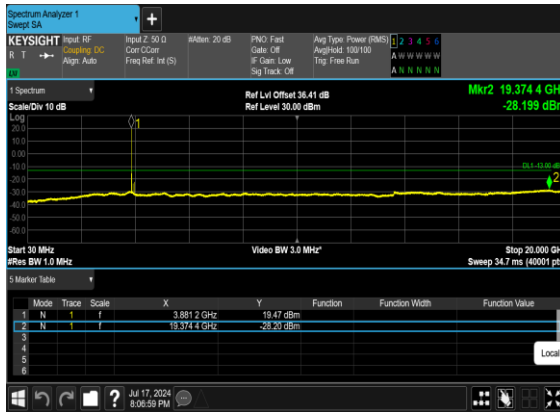
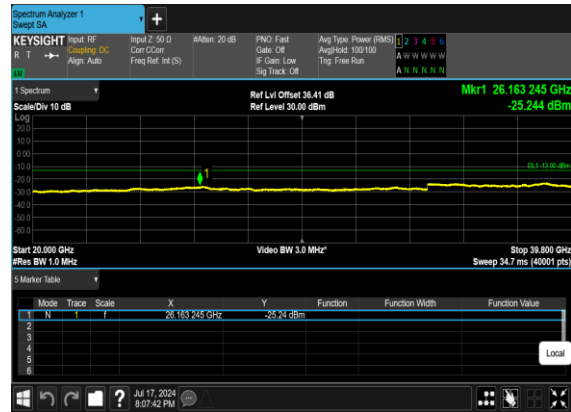




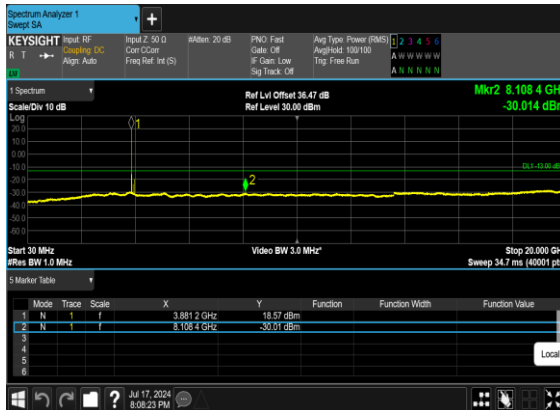
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



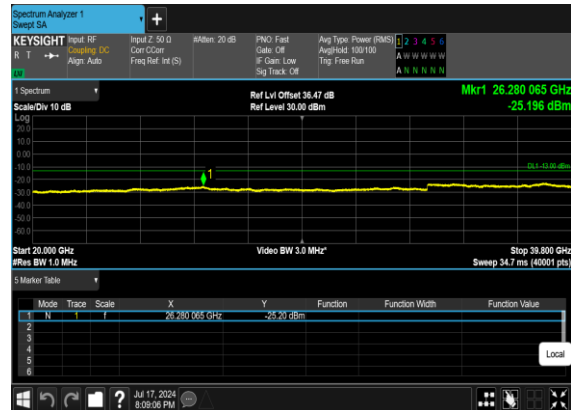
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_16QAM
_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_16QAM
_Edge_1RB_Left_High_CH

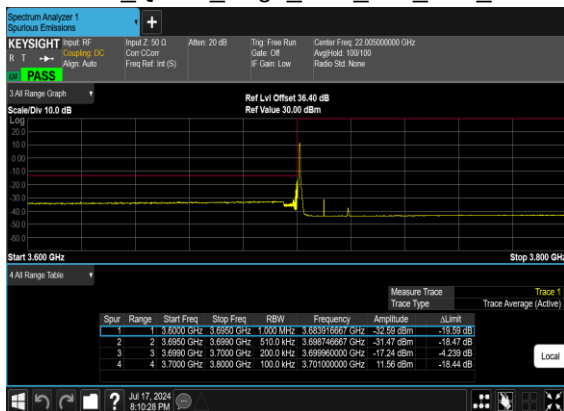


**Conducted Band Edge**

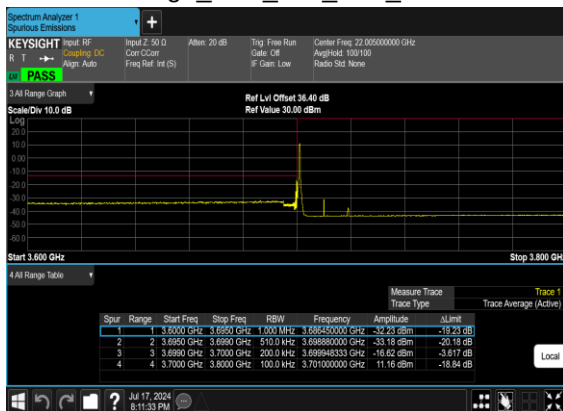
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16QAM	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16QAM	51@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@51	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16QAM	1@51	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16QAM	51@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16QAM	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16QAM	162@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16QAM	1@161	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16QAM	162@0	see graph	PASS
77	30	100	651000	3751.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	651000	3751.0	CP-OFDM 16QAM	1@0	see graph	PASS
77	30	100	651000	3751.0	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	651000	3751.0	CP-OFDM 16QAM	273@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM 16QAM	1@272	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM 16QAM	273@0	see graph	PASS



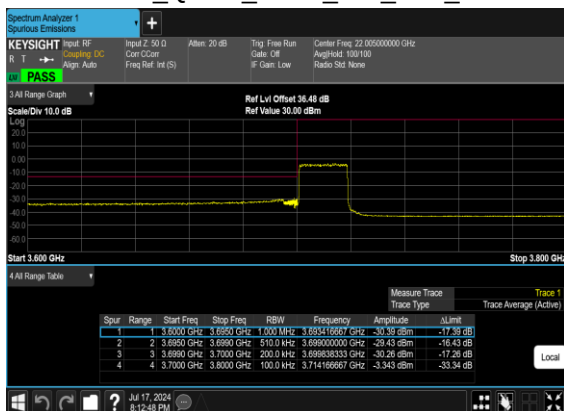
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



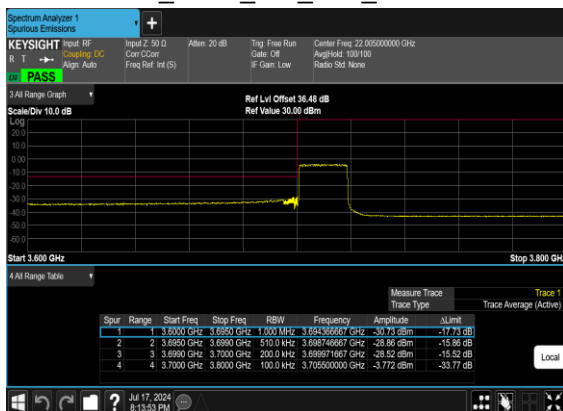
N77(20M)_CP-OFDM_16QAM
Edge_1RB_Left_Low_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

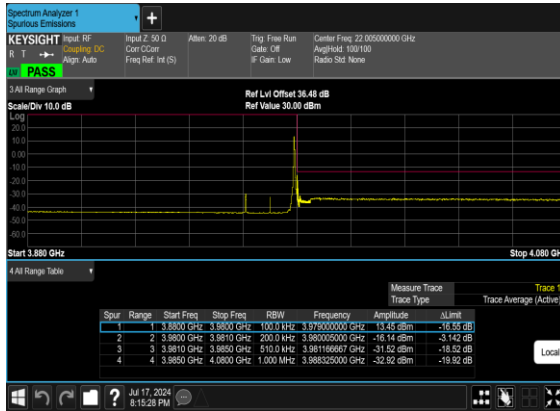


N77(20M)_CP-OFDM_16QAM
_Outer_Full_Low_CH

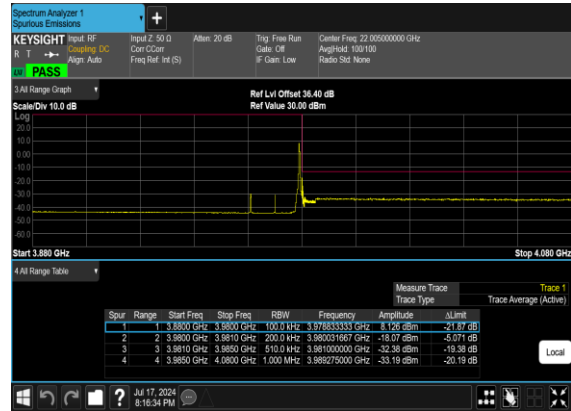




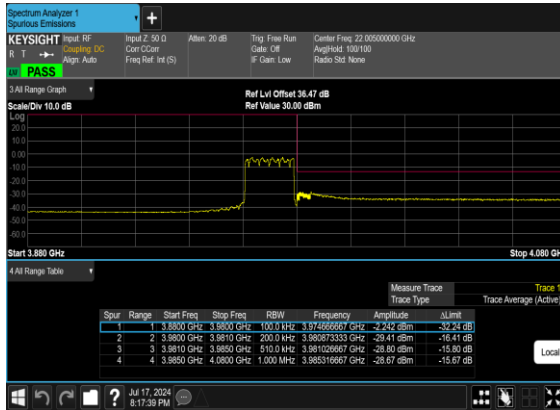
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



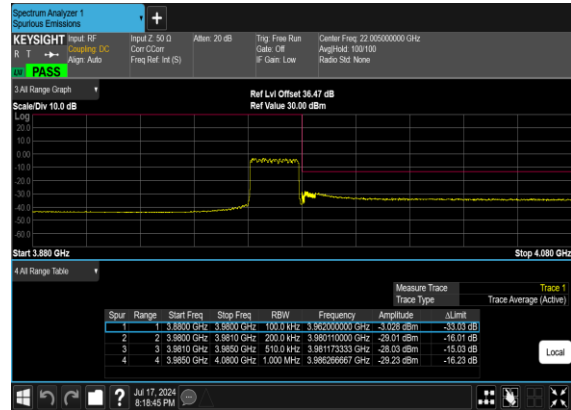
N77(20M)_CP-OFDM_16QAM
_Edge_1RB_Right_High_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH

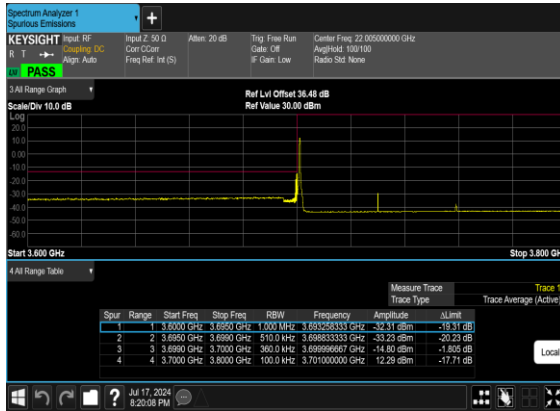


N77(20M)_CP-OFDM_16QAM
_Outer_Full_High_CH

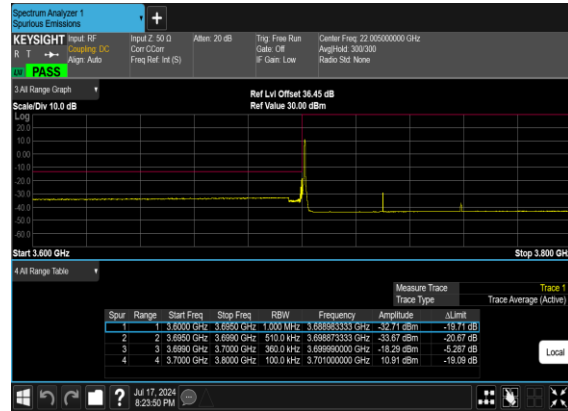




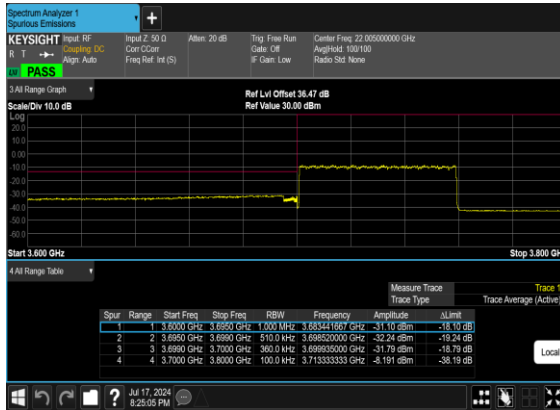
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



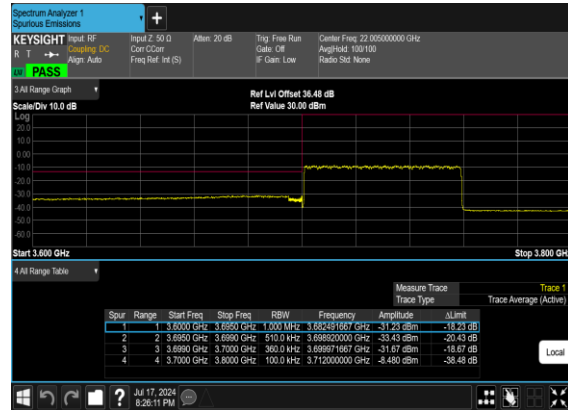
N77(60M)_CP-OFDM_16QAM
_Edge_1RB_Left_Low_CH



N77(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

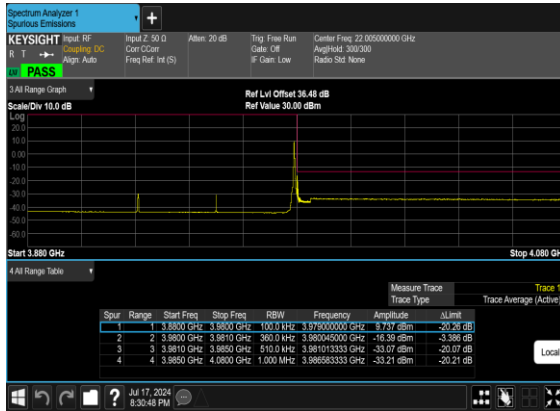


N77(60M)_CP-OFDM_16QAM
_Outer_Full_Low_CH





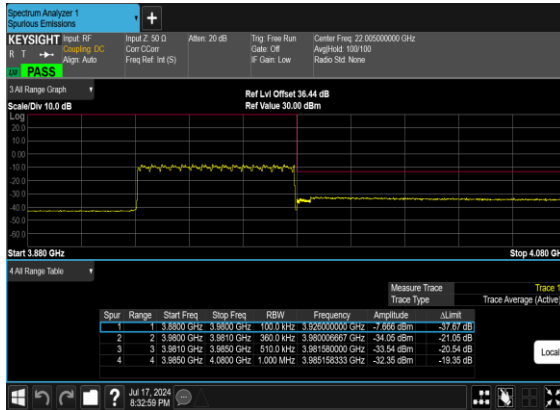
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



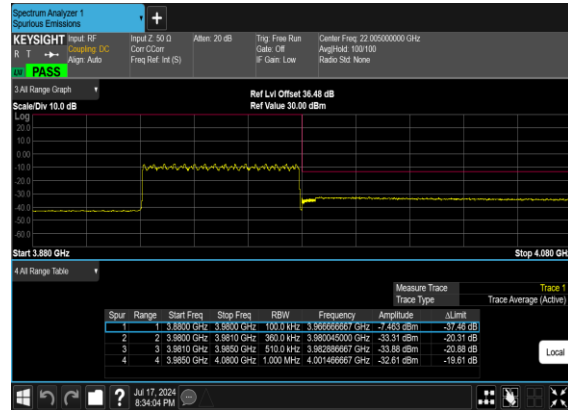
N77(60M)_CP-OFDM_16QAM
_Edge_1RB_Right_High_CH



N77(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH

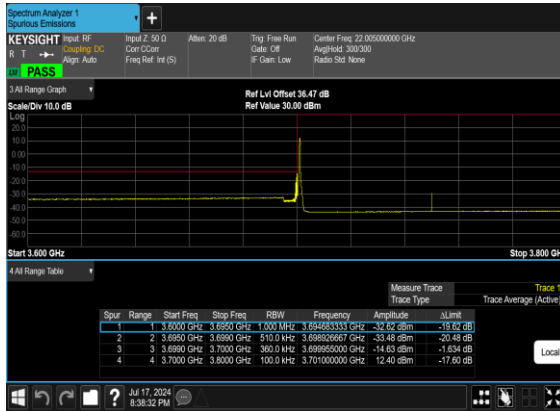


N77(60M)_CP-OFDM_16QAM
_Outer_Full_High_CH

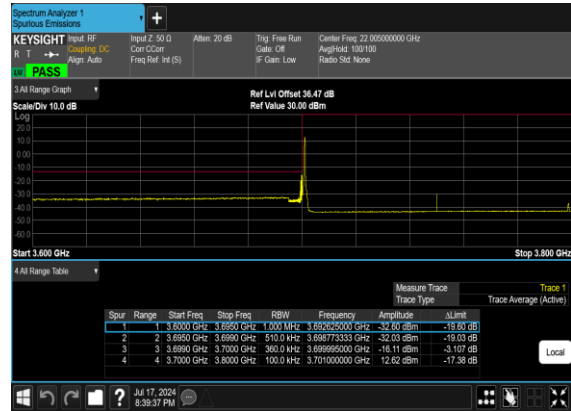




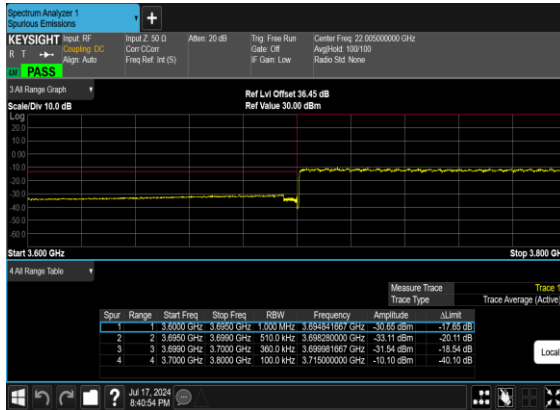
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



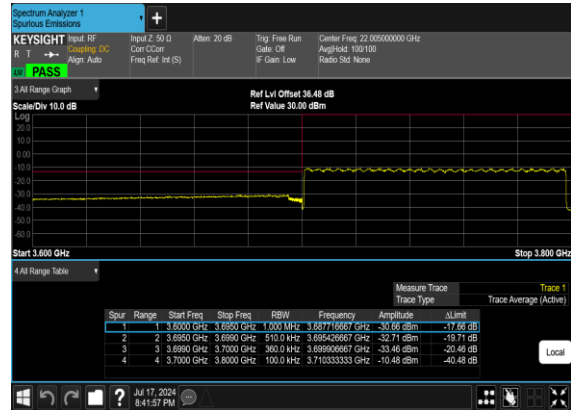
N77(100M)_CP-OFDM_16QAM
_Edge_1RB_Left_Low_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

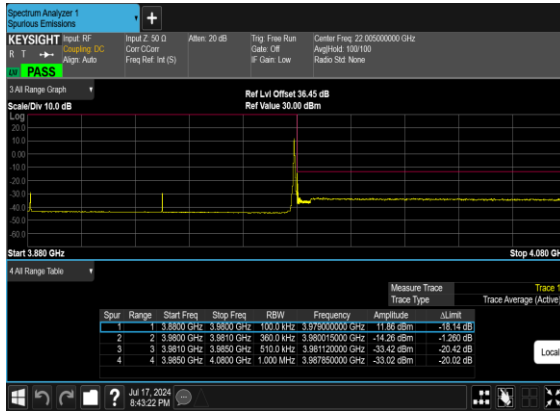


N77(100M)_CP-OFDM_16QAM
_Outer_Full_Low_CH

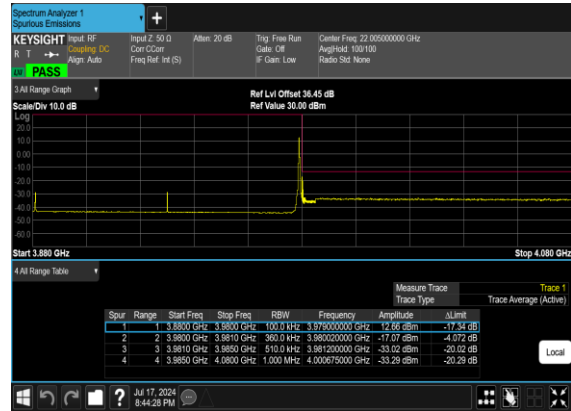




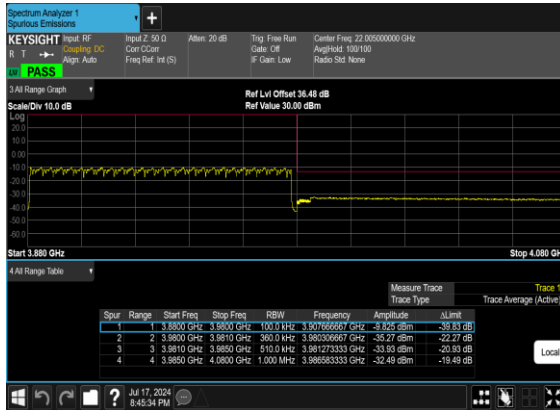
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



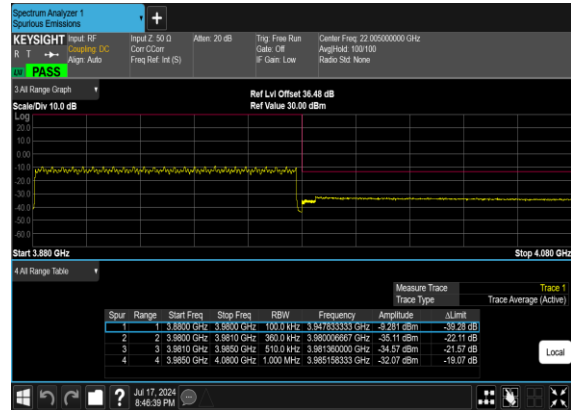
N77(100M)_CP-OFDM_16QAM
_Edge_1RB_Right_High_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N77(100M)_CP-OFDM_16QAM
_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N78(Ant4)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-0.25dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	26.05	25.8	0.3802
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	26.12	25.87	0.3864
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.15	24.9	0.3090
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26	25.75	0.3758
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	26.08	25.83	0.3828
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.07	24.82	0.3034
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	26.12	25.87	0.3864
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	26.2	25.95	0.3936
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.16	24.91	0.3097
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	26.09	25.84	0.3837
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	26.18	25.93	0.3917
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.24	24.99	0.3155
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.04	25.79	0.3793
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	26.12	25.87	0.3864
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.17	24.92	0.3105
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	26.14	25.89	0.3882
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	26.2	25.95	0.3936
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.22	24.97	0.3141
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	26.12	25.87	0.3864
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.01	25.76	0.3767



78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.31	25.06	0.3206
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.14	25.89	0.3882
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	26.10	25.85	0.3846
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.25	25	0.3162
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	26.05	25.8	0.3802
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	26.16	25.91	0.3899
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	25.39	25.14	0.3266
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	25.93	25.68	0.3698
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.96	25.71	0.3724
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.01	24.76	0.2992
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.75	25.5	0.3548
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.81	25.56	0.3597
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.86	24.61	0.2891
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	25.86	25.61	0.3639
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.91	25.66	0.3681
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.98	24.73	0.2972
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	25.83	25.58	0.3614
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.86	25.61	0.3639
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.95	24.7	0.2951
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.69	25.44	0.3499
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.78	25.53	0.3573
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.82	24.57	0.2864
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	25.83	25.58	0.3614
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.91	25.66	0.3681
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.88	24.63	0.2904



78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	25.76	25.51	0.3556
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.81	25.56	0.3597
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.97	24.72	0.2965
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.72	25.47	0.3524
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	25.77	25.52	0.3565
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.84	24.59	0.2877
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	25.74	25.49	0.3540
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.82	25.57	0.3606
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	24.89	24.64	0.2911
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	25.74	25.49	0.3540
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.94	25.69	0.3707
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.92	24.67	0.2931
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.77	25.52	0.3565
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	25.84	25.59	0.3622
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.88	24.63	0.2904
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	25.73	25.48	0.3532
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	25.76	25.51	0.3556
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	24.88	24.63	0.2904
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	25.83	25.58	0.3614
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.82	25.57	0.3606
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.86	24.61	0.2891
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.78	25.53	0.3573
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	25.85	25.6	0.3631
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.89	24.64	0.2911
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	25.71	25.46	0.3516



78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	25.87	25.62	0.3648
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	24.83	24.58	0.2871
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.11	25.86	0.3855
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.02	25.77	0.3776
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.07	25.82	0.3819
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.1	25.85	0.3846
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.13	25.88	0.3873
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.24	25.99	0.3972
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.03	24.78	0.3006
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.18	24.93	0.3112
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.2	24.95	0.3126
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.6	23.35	0.2163
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.43	23.18	0.2080
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.43	23.18	0.2080
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.59	21.34	0.1361
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.45	21.2	0.1318
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.47	21.22	0.1324
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.56	24.31	0.2698
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.57	24.32	0.2704
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.54	24.29	0.2685



Software Version: 23.06.1602

FR1 N78 UL MIMO(Ant4+6)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=0.65dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT4 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	21.38	19.96	23.74	24.39	0.2747
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	21.08	19.36	23.31	23.96	0.2492
78	30	20	647334	3710.01	CP-OFDM 64 QAM	1@1	19.25	17.85	21.62	22.27	0.1685
78	30	20	650000	3750	CP-OFDM QPSK	1@1	21.3	19.85	23.65	24.30	0.2689
78	30	20	650000	3750	CP-OFDM 16 QAM	1@1	20.94	19.35	23.23	23.88	0.2442
78	30	20	650000	3750	CP-OFDM 64 QAM	1@1	19.12	17.79	21.52	22.17	0.1647
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	21.42	19.93	23.75	24.40	0.2754
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@1	21.1	19.39	23.34	23.99	0.2505
78	30	20	652666	3789.99	CP-OFDM 64 QAM	1@1	19.23	17.86	21.61	22.26	0.1682
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	21.48	19.94	23.79	24.44	0.2779
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	21.13	19.42	23.37	24.02	0.2523
78	30	30	647668	3715.02	CP-OFDM 64 QAM	1@1	19.29	17.9	21.66	22.31	0.1702
78	30	30	650000	3750	CP-OFDM QPSK	1@1	21.24	19.99	23.67	24.32	0.2704
78	30	30	650000	3750	CP-OFDM 16 QAM	1@1	20.86	19.38	23.19	23.84	0.2423
78	30	30	650000	3750	CP-OFDM 64 QAM	1@1	19.19	17.78	21.55	22.20	0.1660
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	21.44	19.99	23.79	24.44	0.2777
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@1	21.04	19.42	23.32	23.97	0.2492
78	30	30	652332	3784.98	CP-OFDM 64 QAM	1@1	19.29	17.93	21.67	22.32	0.1707
78	30	40	648000	3720	CP-OFDM QPSK	1@1	21.57	20.06	23.89	24.54	0.2845
78	30	40	648000	3720	CP-OFDM 16 QAM	1@1	21.13	19.49	23.40	24.05	0.2539
78	30	40	648000	3720	CP-OFDM 64 QAM	1@1	19.43	18.01	21.79	22.44	0.1753
78	30	40	650000	3750	CP-OFDM QPSK	1@1	21.48	20.09	23.85	24.50	0.2819
78	30	40	650000	3750	CP-OFDM 16 QAM	1@1	21.02	19.5	23.34	23.99	0.2504
78	30	40	650000	3750	CP-OFDM 64 QAM	1@1	19.37	18.02	21.76	22.41	0.1741
78	30	40	652000	3780	CP-OFDM QPSK	1@1	21.42	20.05	23.80	24.45	0.2786
78	30	40	652000	3780	CP-OFDM 16 QAM	1@1	21.21	19.55	23.47	24.12	0.2582
78	30	40	652000	3780	CP-OFDM 64 QAM	1@1	19.29	17.99	21.70	22.35	0.1717



78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	21.26	19.77	23.59	24.24	0.2654
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	21.03	19.26	23.24	23.89	0.2452
78	30	50	648334	3725.01	CP-OFDM 64 QAM	1@1	19.09	17.76	21.49	22.14	0.1635
78	30	50	650000	3750	CP-OFDM QPSK	1@1	21.11	19.78	23.51	24.16	0.2604
78	30	50	650000	3750	CP-OFDM 16 QAM	1@1	20.82	19.23	23.11	23.76	0.2376
78	30	50	650000	3750	CP-OFDM 64 QAM	1@1	18.97	17.7	21.39	22.04	0.1600
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	21.01	19.64	23.39	24.04	0.2535
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@1	20.81	19.13	23.06	23.71	0.2350
78	30	50	651666	3774.99	CP-OFDM 64 QAM	1@1	18.97	17.64	21.37	22.02	0.1591
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	21.11	19.7	23.47	24.12	0.2584
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	20.84	19.2	23.11	23.76	0.2375
78	30	60	648668	3730.02	CP-OFDM 64 QAM	1@1	19.03	17.72	21.43	22.08	0.1616
78	30	60	650000	3750	CP-OFDM QPSK	1@1	21	19.67	23.40	24.05	0.2539
78	30	60	650000	3750	CP-OFDM 16 QAM	1@1	20.7	19.09	22.98	23.63	0.2306
78	30	60	650000	3750	CP-OFDM 64 QAM	1@1	18.87	17.65	21.31	21.96	0.1571
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	21.07	19.68	23.44	24.09	0.2565
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@1	20.75	19.2	23.05	23.70	0.2346
78	30	60	651332	3769.98	CP-OFDM 64 QAM	1@1	18.95	17.76	21.41	22.06	0.1605
78	30	70	649000	3735	CP-OFDM QPSK	1@1	21.05	19.78	23.47	24.12	0.2583
78	30	70	649000	3735	CP-OFDM 16 QAM	1@1	20.64	19.14	22.96	23.61	0.2299
78	30	70	649000	3735	CP-OFDM 64 QAM	1@1	18.92	17.82	21.42	22.07	0.1609
78	30	70	650000	3750	CP-OFDM QPSK	1@1	21.03	19.66	23.41	24.06	0.2546
78	30	70	650000	3750	CP-OFDM 16 QAM	1@1	20.68	19.15	22.99	23.64	0.2313
78	30	70	650000	3750	CP-OFDM 64 QAM	1@1	18.92	17.71	21.37	22.02	0.1591
78	30	70	651000	3765	CP-OFDM QPSK	1@1	21.05	19.83	23.49	24.14	0.2596
78	30	70	651000	3765	CP-OFDM 16 QAM	1@1	20.65	19.14	22.97	23.62	0.2302
78	30	70	651000	3765	CP-OFDM 64 QAM	1@1	18.9	17.71	21.36	22.01	0.1587
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	21.15	19.79	23.53	24.18	0.2620
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	20.78	19.32	23.12	23.77	0.2383
78	30	80	649334	3740.01	CP-OFDM 64 QAM	1@1	18.95	17.79	21.42	22.07	0.1610
78	30	80	650000	3750	CP-OFDM QPSK	1@1	21.11	19.69	23.47	24.12	0.2581
78	30	80	650000	3750	CP-OFDM 16 QAM	1@1	20.71	19.22	23.04	23.69	0.2338
78	30	80	650000	3750	CP-OFDM 64 QAM	1@1	19	17.73	21.42	22.07	0.1611



78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	21.08	19.72	23.46	24.11	0.2578
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@1	20.59	19.25	22.98	23.63	0.2308
78	30	80	650666	3759.99	CP-OFDM 64 QAM	1@1	18.93	17.68	21.36	22.01	0.1589
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	21.16	19.84	23.56	24.21	0.2636
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	20.64	19.27	23.02	23.67	0.2328
78	30	90	649668	3745.02	CP-OFDM 64 QAM	1@1	19.02	17.7	21.42	22.07	0.1611
78	30	90	650000	3750	CP-OFDM QPSK	1@1	21.16	19.76	23.53	24.18	0.2616
78	30	90	650000	3750	CP-OFDM 16 QAM	1@1	20.75	19.2	23.05	23.70	0.2346
78	30	90	650000	3750	CP-OFDM 64 QAM	1@1	18.99	17.77	21.43	22.08	0.1615
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	21.11	19.76	23.50	24.15	0.2599
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@1	20.75	19.17	23.04	23.69	0.2340
78	30	90	650332	3754.98	CP-OFDM 64 QAM	1@1	18.92	17.72	21.37	22.02	0.1593
78	30	100	650000	3750	CP-OFDM QPSK	137@68	20.92	20.8	23.87	24.52	0.2832
78	30	100	650000	3750	CP-OFDM QPSK	1@1	21.09	20.77	23.94	24.59	0.2880
78	30	100	650000	3750	CP-OFDM QPSK	1@271	21.01	20.24	23.65	24.30	0.2693
78	30	100	650000	3750	CP-OFDM 16 QAM	137@68	20.47	20.24	23.37	24.02	0.2522
78	30	100	650000	3750	CP-OFDM 16 QAM	1@1	20.81	19.16	23.07	23.72	0.2357
78	30	100	650000	3750	CP-OFDM 16 QAM	1@271	20.65	19.03	22.93	23.58	0.2278
78	30	100	650000	3750	CP-OFDM 64 QAM	137@68	18.97	17.61	21.35	22.00	0.1586
78	30	100	650000	3750	CP-OFDM 64 QAM	1@1	18.91	17.61	21.32	21.97	0.1574
78	30	100	650000	3750	CP-OFDM 64 QAM	1@271	18.88	17.55	21.28	21.93	0.1558
78	30	100	650000	3750	CP-OFDM 256 QAM	137@68	15.94	14.58	18.32	18.97	0.0789
78	30	100	650000	3750	CP-OFDM 256 QAM	1@1	15.82	14.67	18.29	18.94	0.0784
78	30	100	650000	3750	CP-OFDM 256 QAM	1@271	15.79	14.61	18.25	18.90	0.0776



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

n77 SA / NR 100MHz / QPSK / ANT4(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7407	-57.41	-13	-44.41	-67.62	3.03	13.24	H
	11103	-53.47	-13	-40.47	-62.92	3.56	13.01	H
	14810	-52.39	-13	-39.39	-61.91	3.92	13.44	H
	7407	-59.40	-13	-46.40	-69.61	3.03	13.24	V
	11103	-56.82	-13	-43.82	-66.27	3.56	13.01	V
	14810	-57.93	-13	-44.93	-67.45	3.92	13.44	V
Middle	7583	-56.50	-13	-43.50	-66.71	3.03	13.24	H
	11378	-47.02	-13	-34.02	-56.47	3.56	13.01	H
	15162	-46.15	-13	-33.15	-55.67	3.92	13.44	H
	7583	-56.91	-13	-43.91	-67.12	3.03	13.24	V
	11378	-44.55	-13	-31.55	-54.00	3.56	13.01	V
	15162	-51.49	-13	-38.49	-61.01	3.92	13.44	V
Highest	7759	-52.52	-13	-39.52	-62.73	3.03	13.24	H
	11642	-47.54	-13	-34.54	-56.99	3.56	13.01	H
	15525	-47.72	-13	-34.72	-57.24	3.92	13.44	H
	7759	-51.23	-13	-38.23	-61.44	3.03	13.24	V
	11642	-46.89	-13	-33.89	-56.34	3.56	13.01	V
	15525	-54.06	-13	-41.06	-63.58	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

UL MIMO n77 / NR 100MHz / QPSK / ANT4+6(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7407	-62.24	-13	-49.24	-72.45	3.03	13.24	H
	11103	-55.37	-13	-42.37	-64.82	3.56	13.01	H
	14821	-60.48	-13	-47.48	-70.00	3.92	13.44	H
	7407	-62.59	-13	-49.59	-72.80	3.03	13.24	V
	11103	-52.10	-13	-39.10	-61.55	3.56	13.01	V
	14821	-59.97	-13	-46.97	-69.49	3.92	13.44	V
Middle	7583	-61.88	-13	-48.88	-72.09	3.03	13.24	H
	11378	-51.17	-13	-38.17	-60.62	3.56	13.01	H
	15162	-58.47	-13	-45.47	-67.99	3.92	13.44	H
	7583	-60.64	-13	-47.64	-70.85	3.03	13.24	V
	11378	-54.71	-13	-41.71	-64.16	3.56	13.01	V
	15162	-58.45	-13	-45.45	-67.97	3.92	13.44	V
Highest	7759	-57.44	-13	-44.44	-67.65	3.03	13.24	H
	11642	-51.53	-13	-38.53	-60.98	3.56	13.01	H
	15525	-56.90	-13	-43.90	-66.42	3.92	13.44	H
	7759	-58.74	-13	-45.74	-68.95	3.03	13.24	V
	11642	-51.95	-13	-38.95	-61.40	3.56	13.01	V
	15525	-56.11	-13	-43.11	-65.63	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT4(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7407	-57.51	-13	-44.51	-67.72	3.03	13.24	H
	11103	-45.74	-13	-32.74	-55.19	3.56	13.01	H
	14810	-56.59	-13	-43.59	-66.11	3.92	13.44	H
	7407	-56.15	-13	-43.15	-66.36	3.03	13.24	V
	11103	-46.99	-13	-33.99	-56.44	3.56	13.01	V
	14810	-59.16	-13	-46.16	-68.68	3.92	13.44	V
Middle	7583	-54.29	-13	-41.29	-64.50	3.03	13.24	H
	11378	-46.95	-13	-33.95	-56.40	3.56	13.01	H
	15162	-51.75	-13	-38.75	-61.27	3.92	13.44	H
	7583	-55.57	-13	-42.57	-65.78	3.03	13.24	V
	11378	-48.29	-13	-35.29	-57.74	3.56	13.01	V
	15162	-54.13	-13	-41.13	-63.65	3.92	13.44	V
Highest	7759	-54.29	-13	-41.29	-64.50	3.03	13.24	H
	11642	-48.37	-13	-35.37	-57.82	3.56	13.01	H
	15525	-50.06	-13	-37.06	-59.58	3.92	13.44	H
	7759	-50.44	-13	-37.44	-60.65	3.03	13.24	V
	11642	-49.62	-13	-36.62	-59.07	3.56	13.01	V
	15525	-53.14	-13	-40.14	-62.66	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.