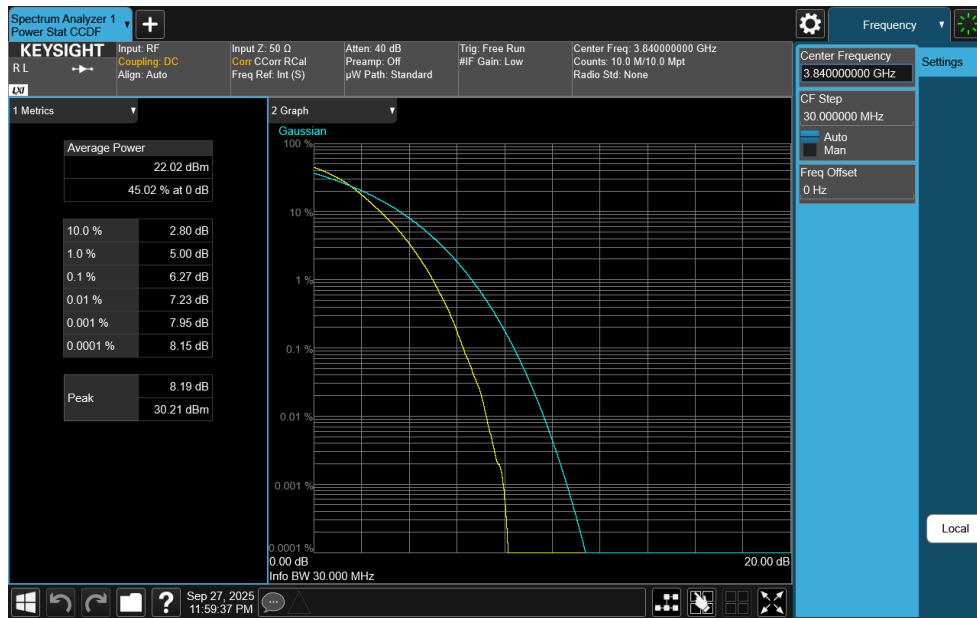
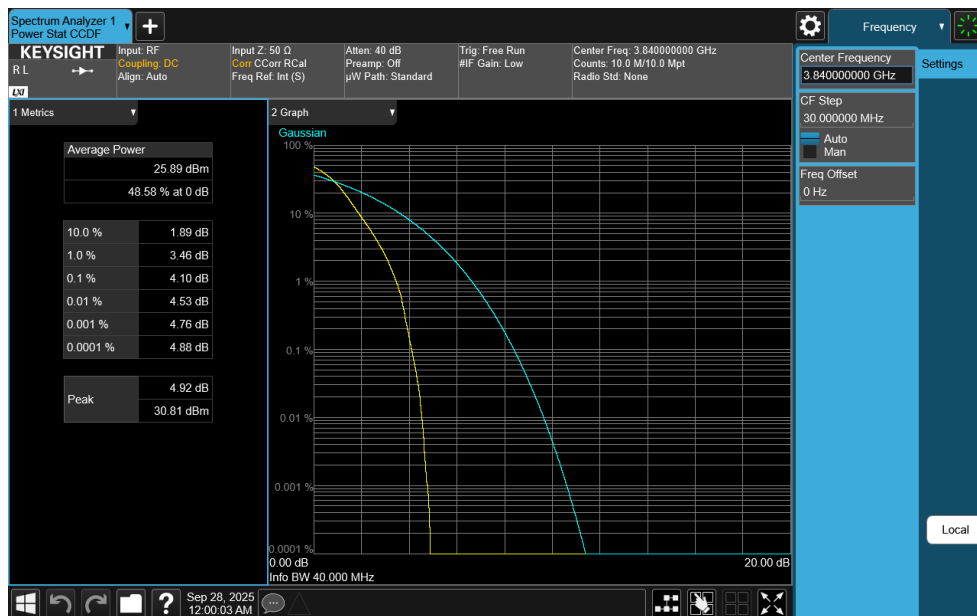




Plot 7-367. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 256-QAM - Full RB)

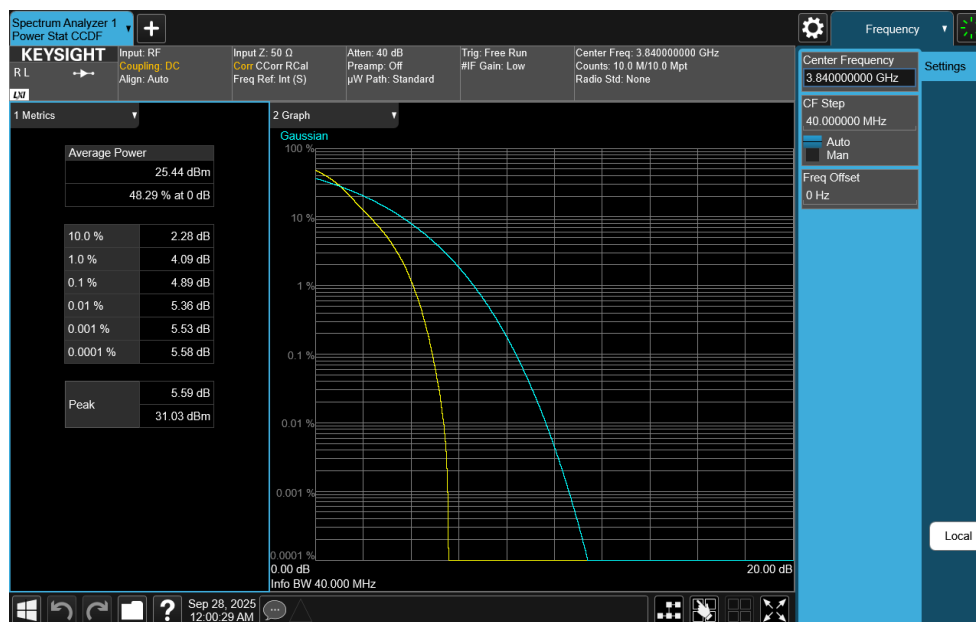


Plot 7-368. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

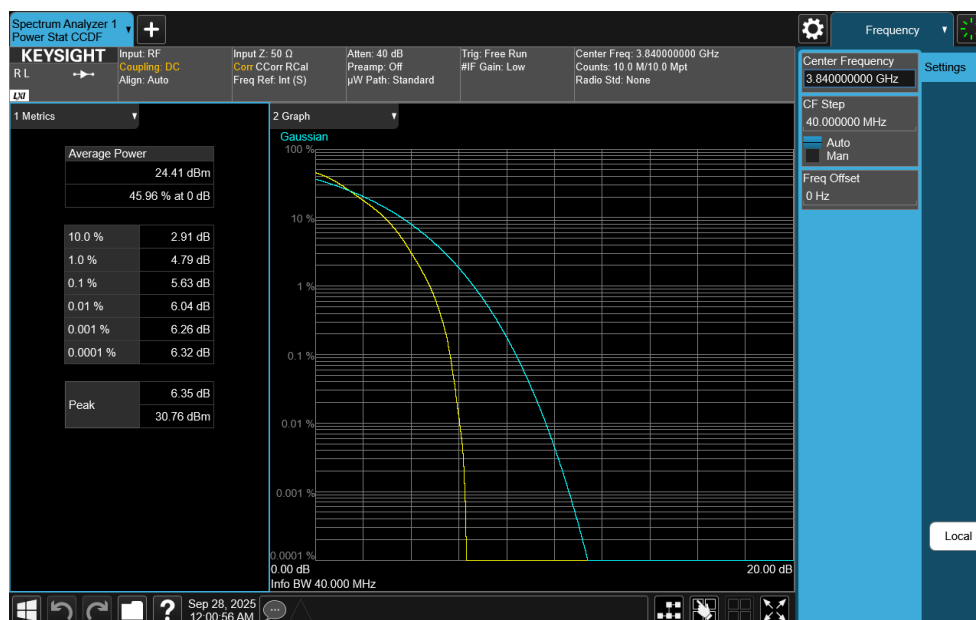
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-369. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

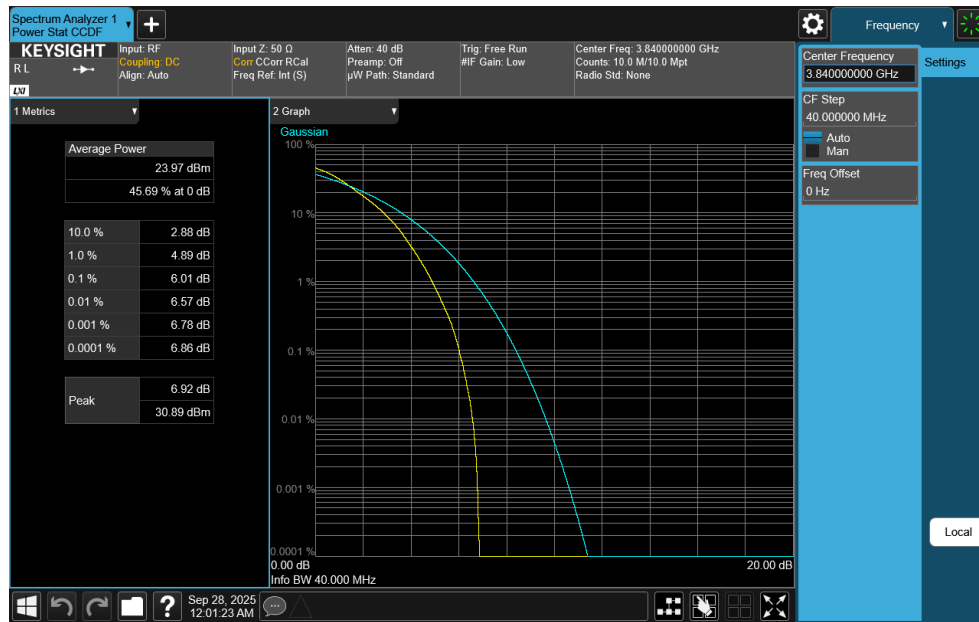


Plot 7-370. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 16-QAM - Full RB)

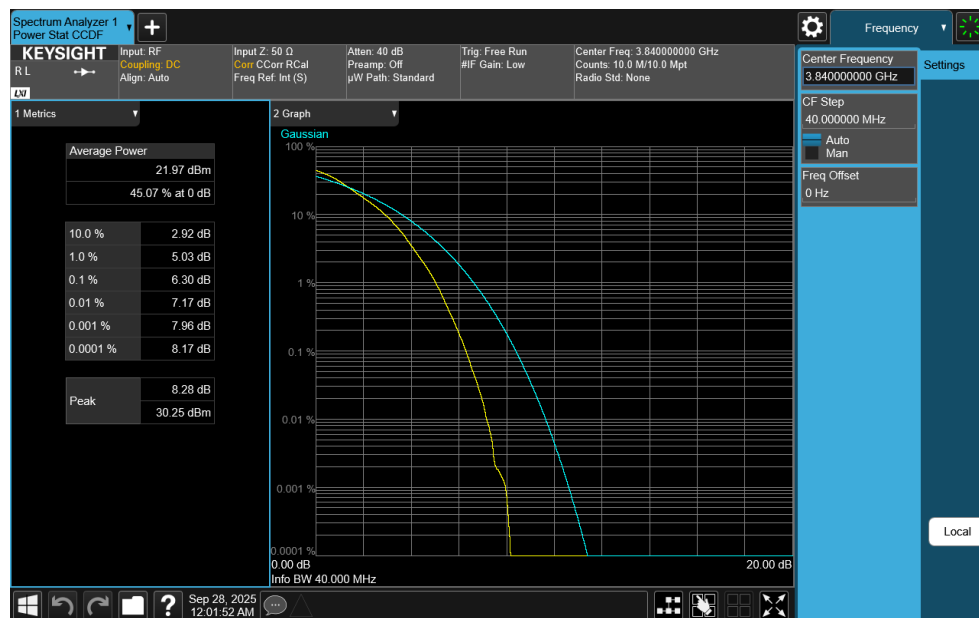
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-371. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 64-QAM - Full RB)

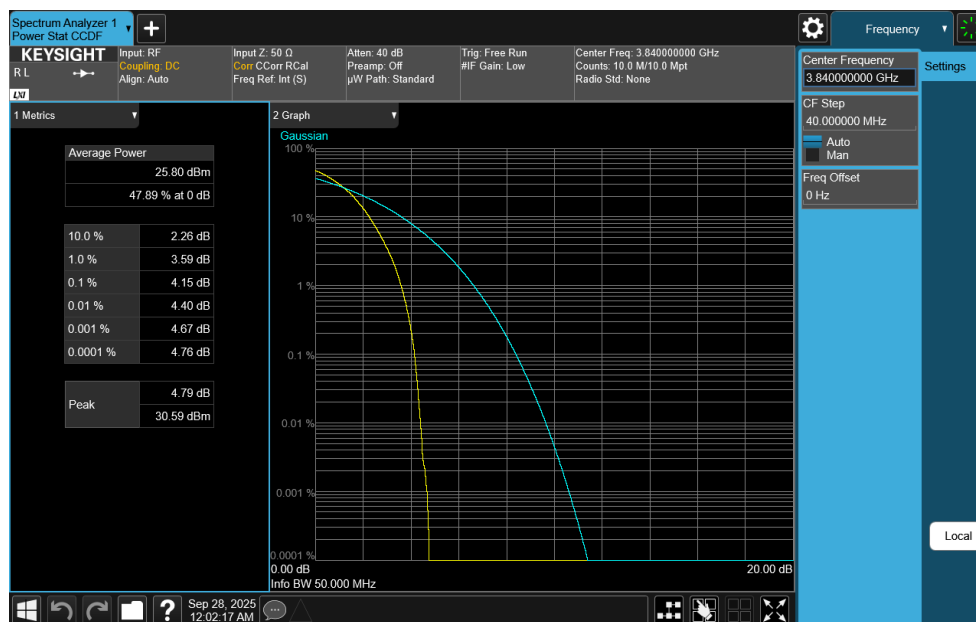


Plot 7-372. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 256-QAM - Full RB)

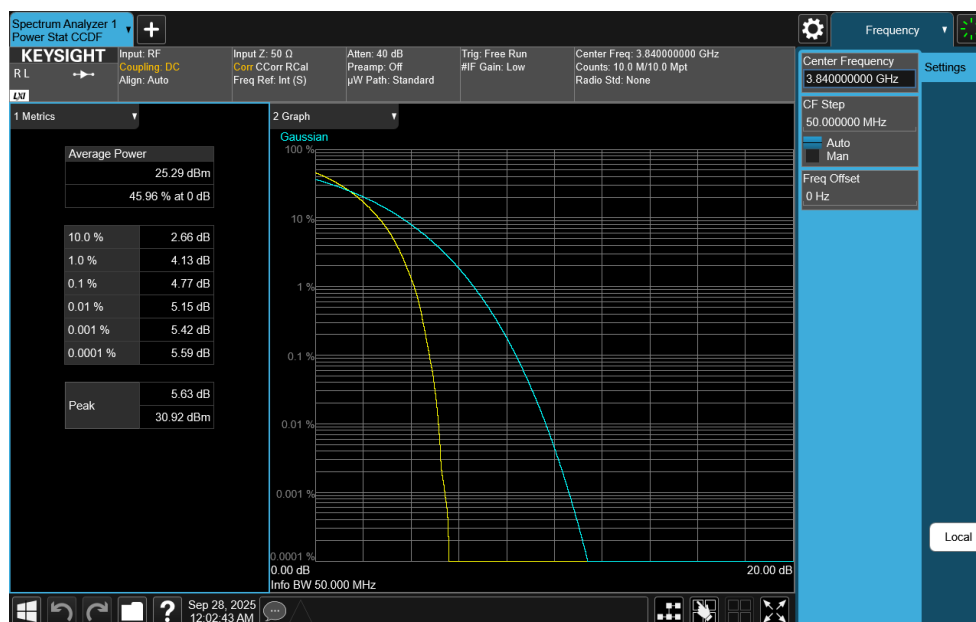
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-373. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

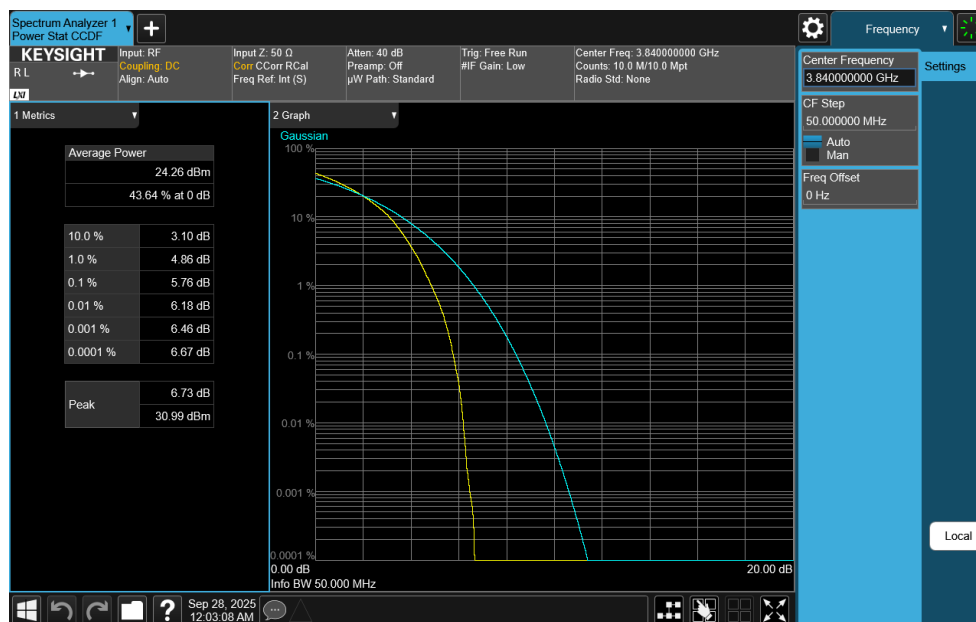


Plot 7-374. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK - Full RB)

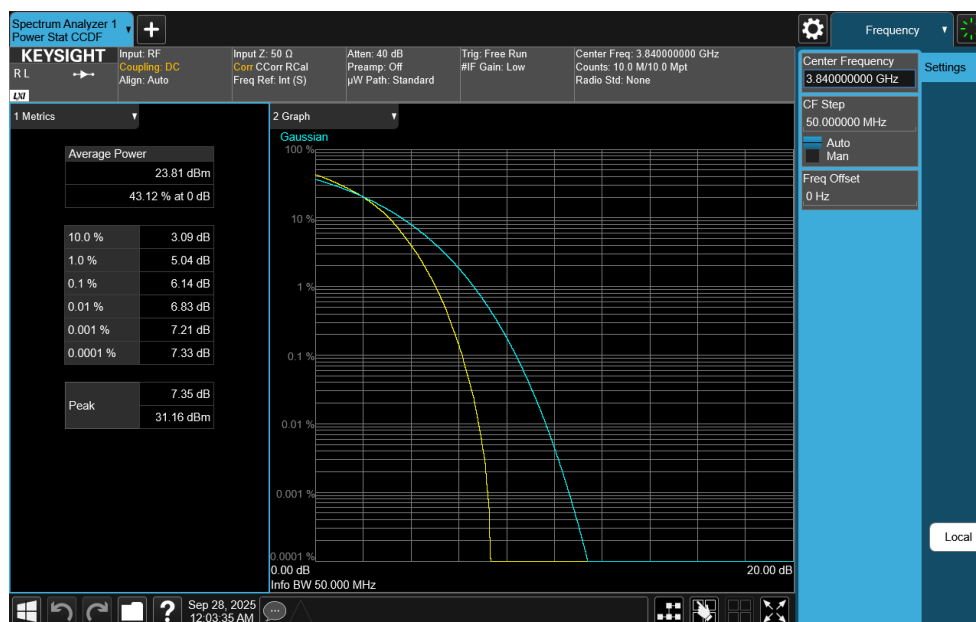
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-375. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 16-QAM - Full RB)

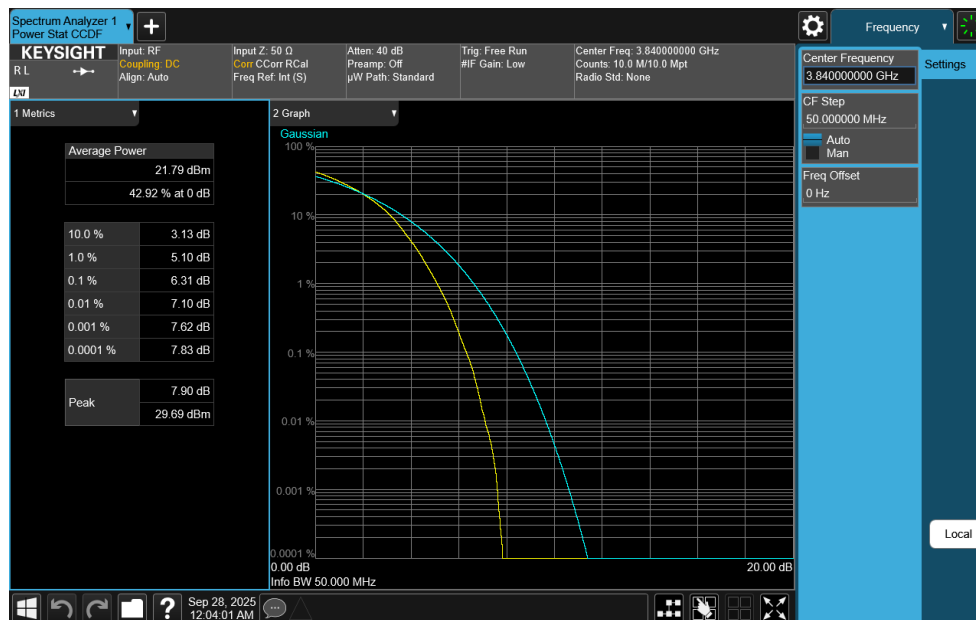


Plot 7-376. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 64-QAM - Full RB)

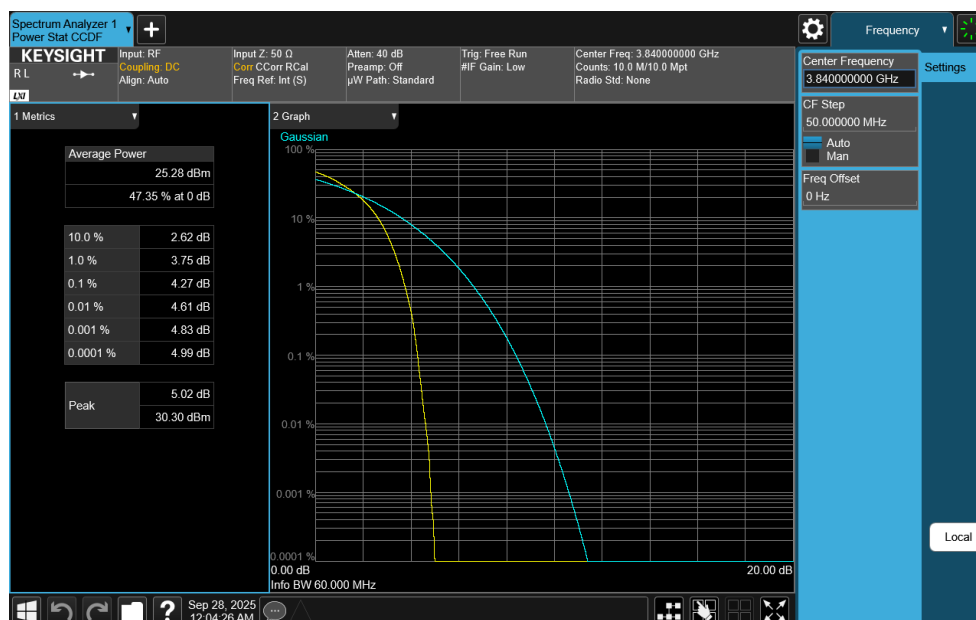
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-377. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 256-QAM - Full RB)

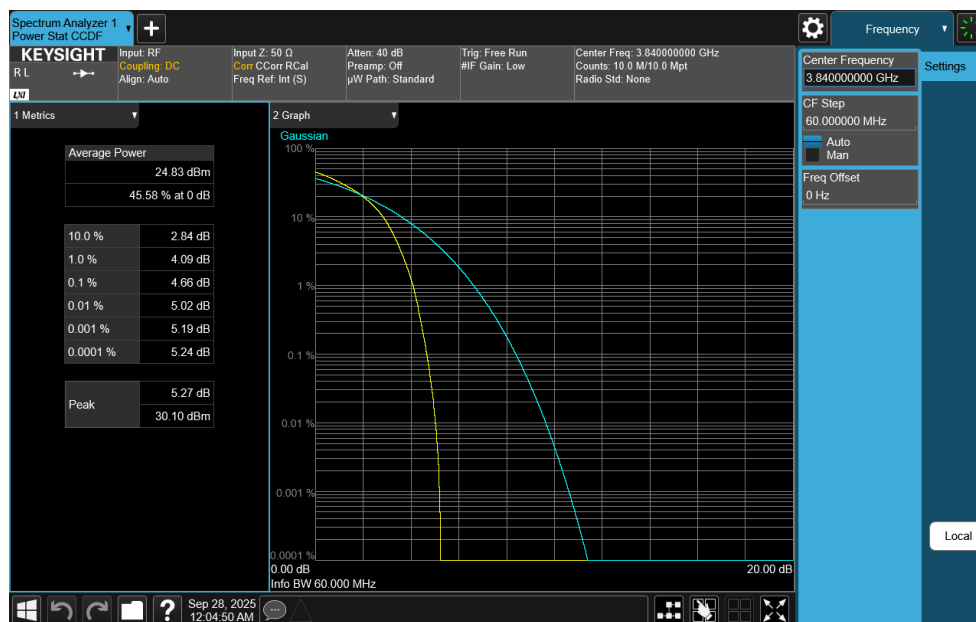


Plot 7-378. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

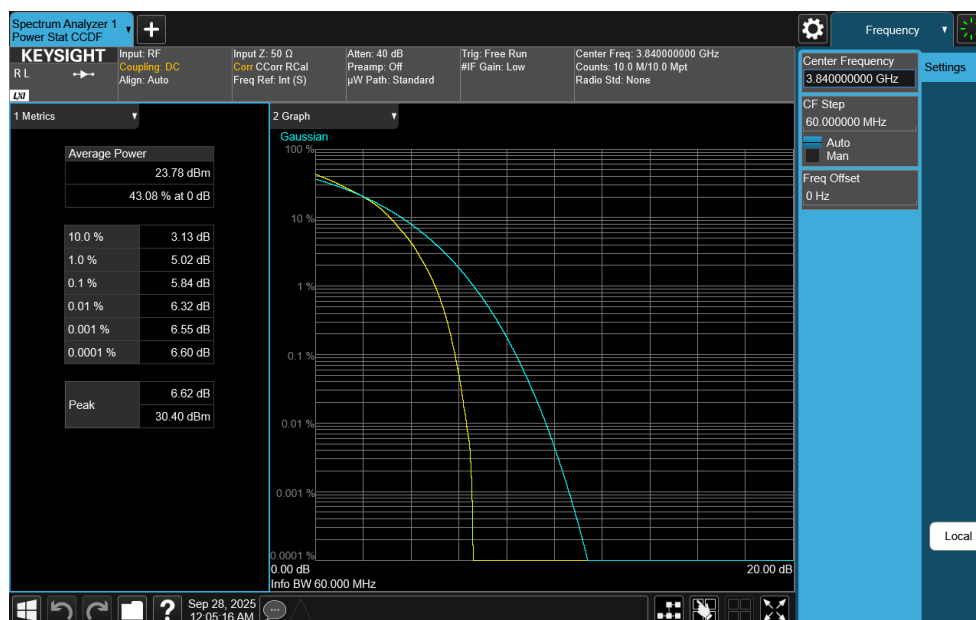
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-379. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

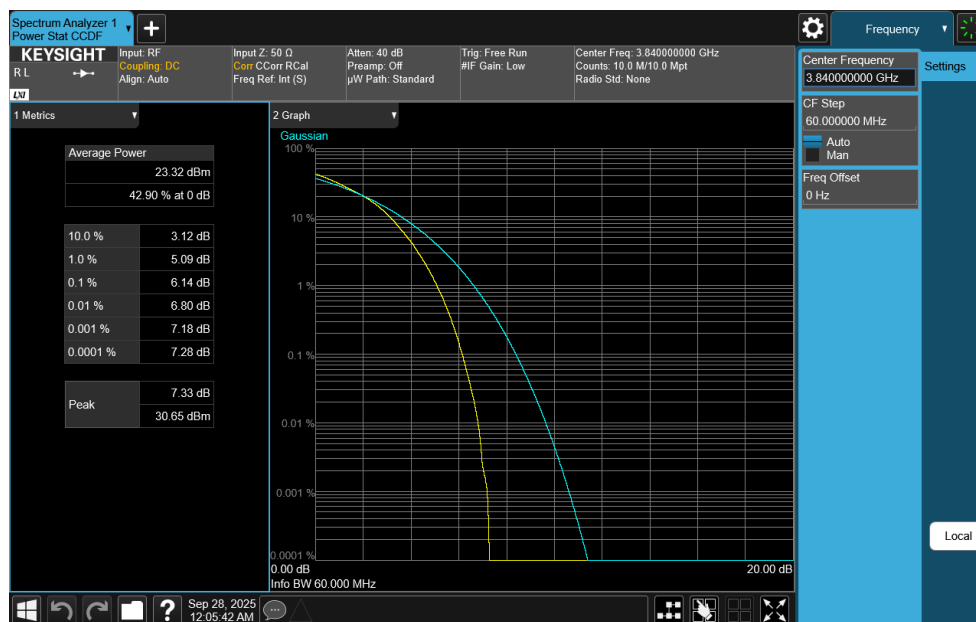


aPlot 7-380. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 16-QAM - Full RB)

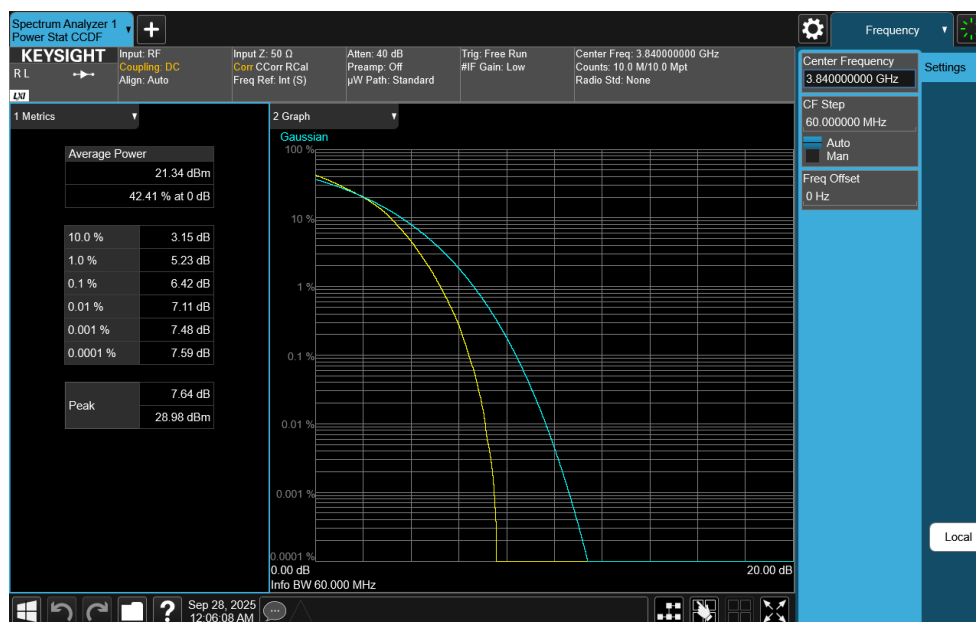
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-381. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 64-QAM - Full RB)

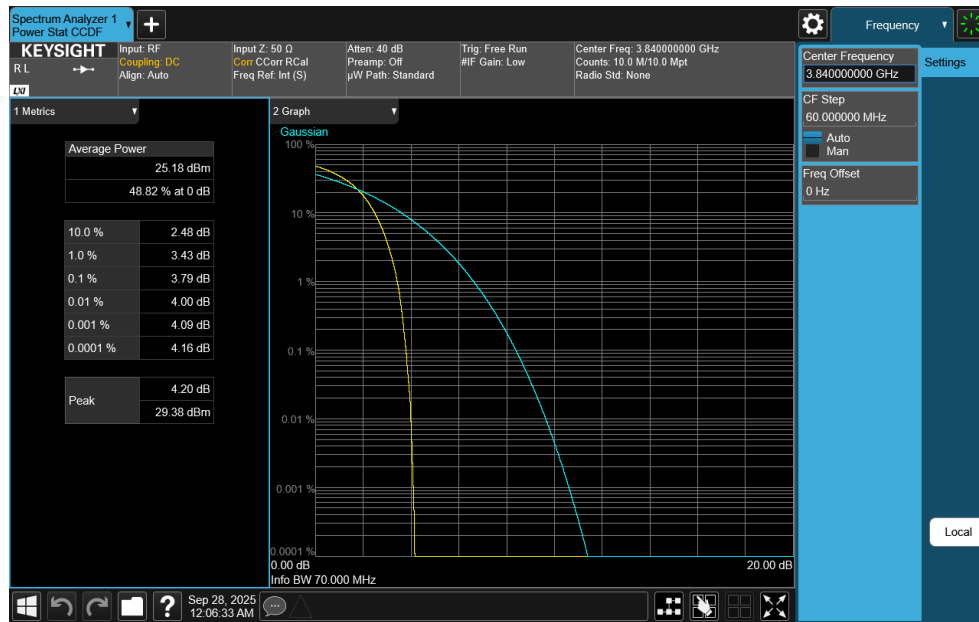


Plot 7-382. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 256-QAM - Full RB)

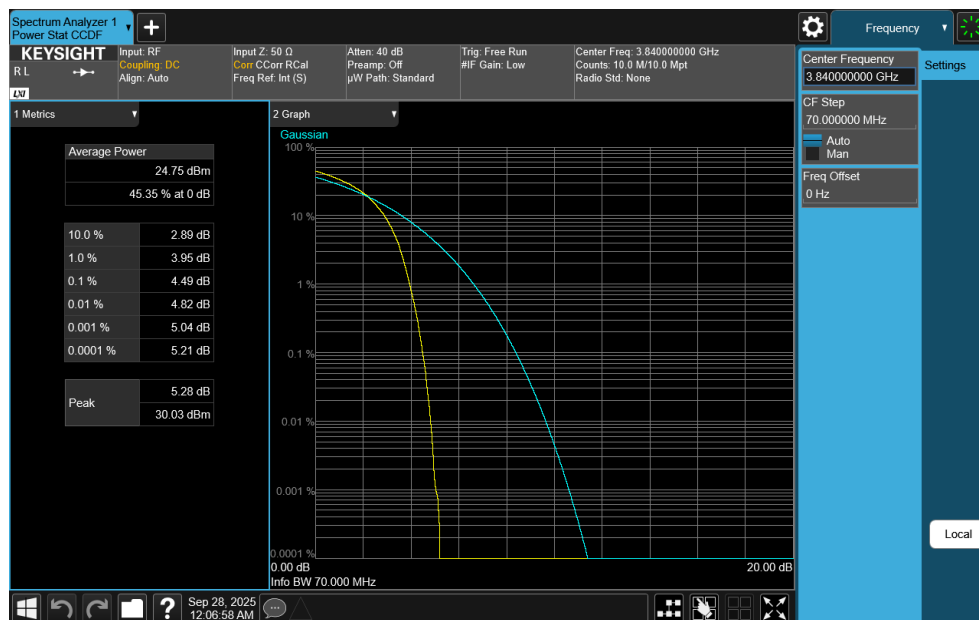
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-383. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

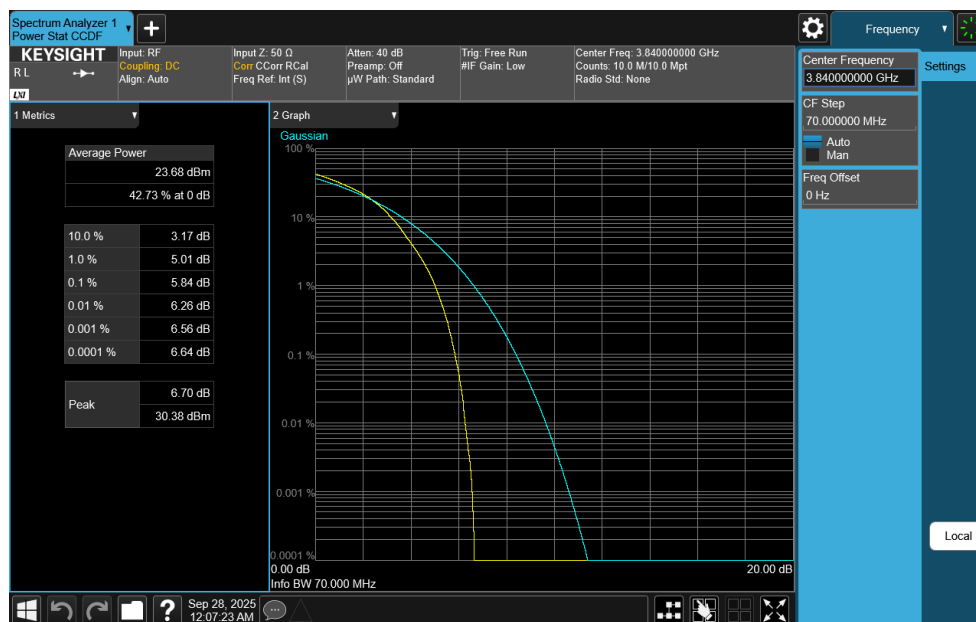


Plot 7-384. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK - Full RB)

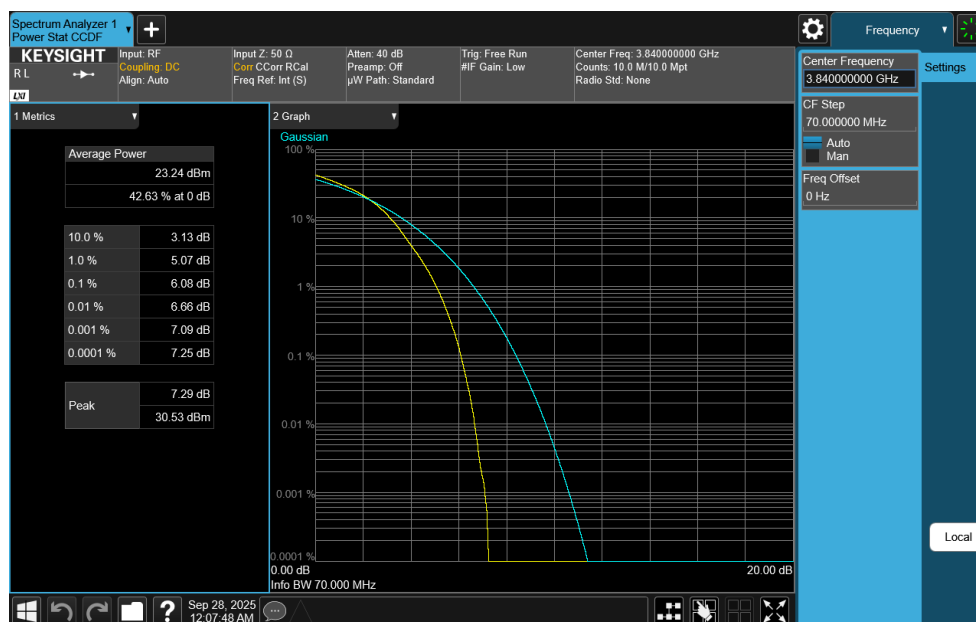
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-385. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 16-QAM - Full RB)

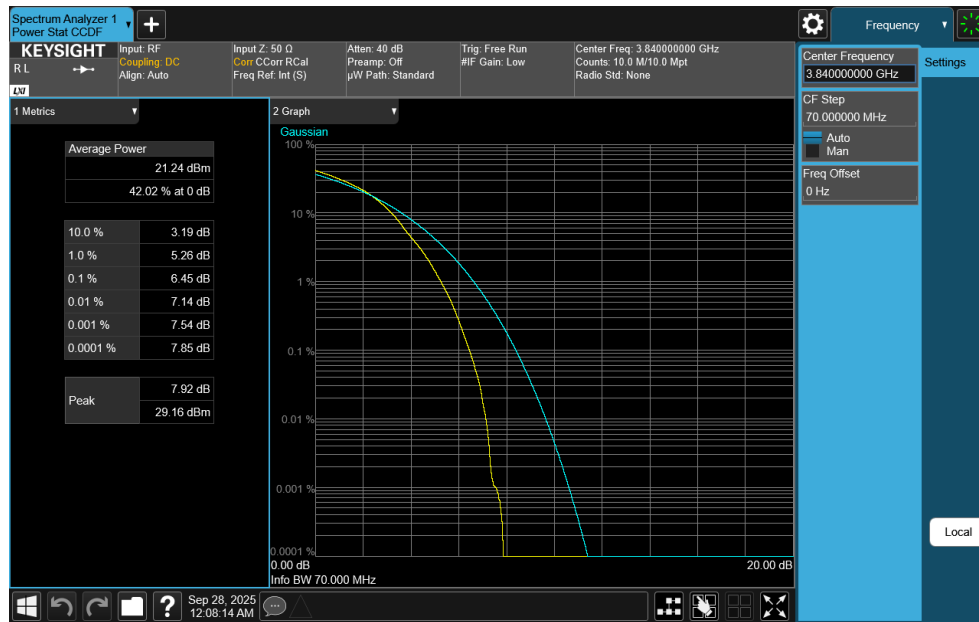


Plot 7-386. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 64-QAM - Full RB)

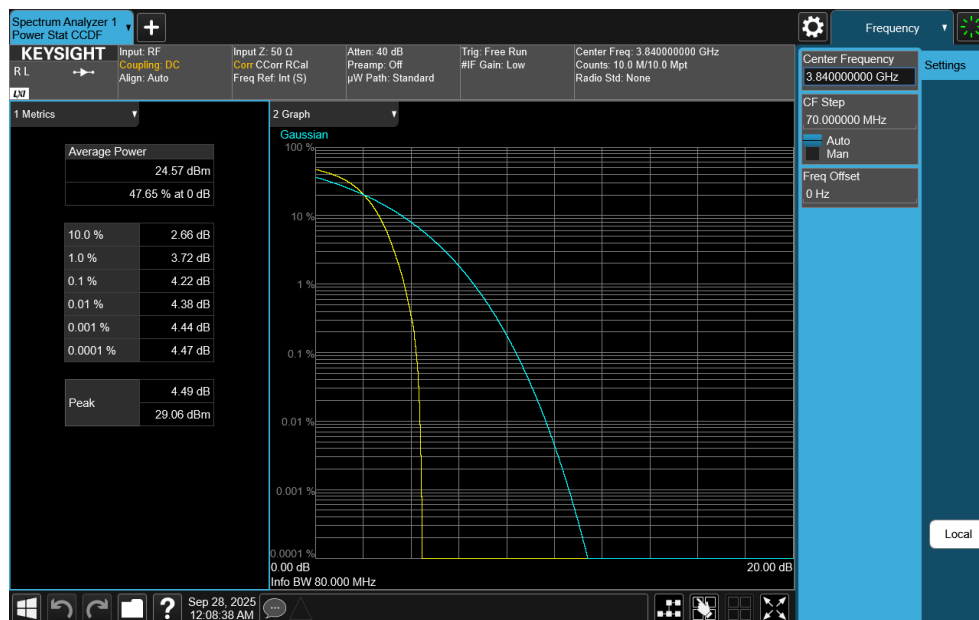
FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-387. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 256-QAM - Full RB)

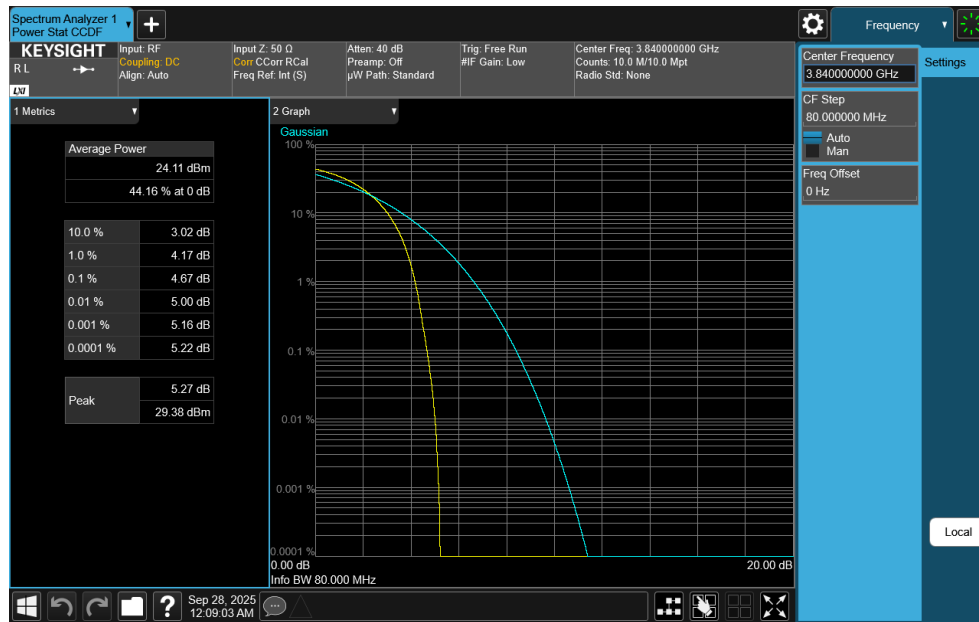


Plot 7-388. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

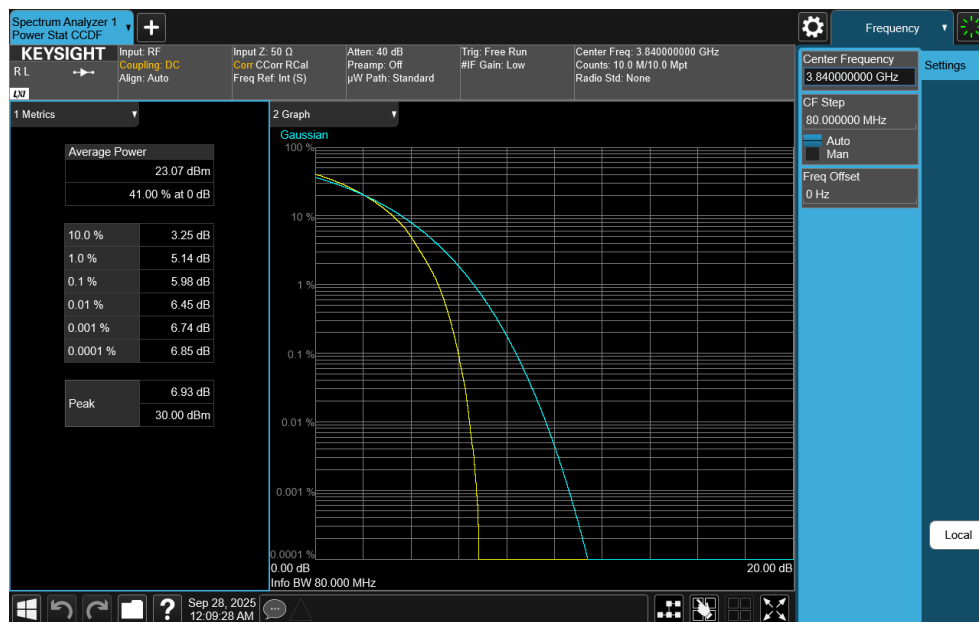
FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-389. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK - Full RB)

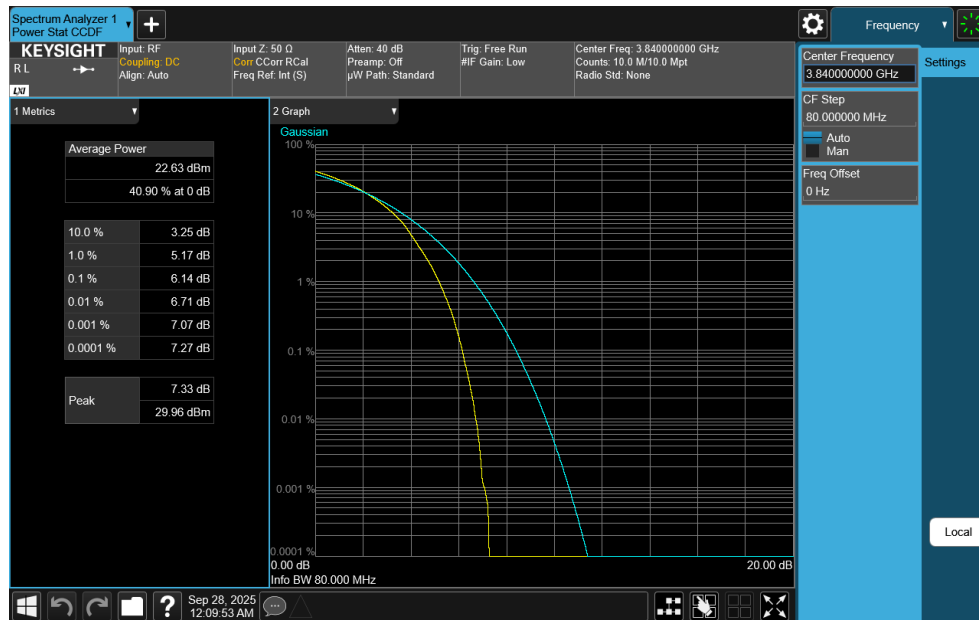


Plot 7-390. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 16-QAM - Full RB)

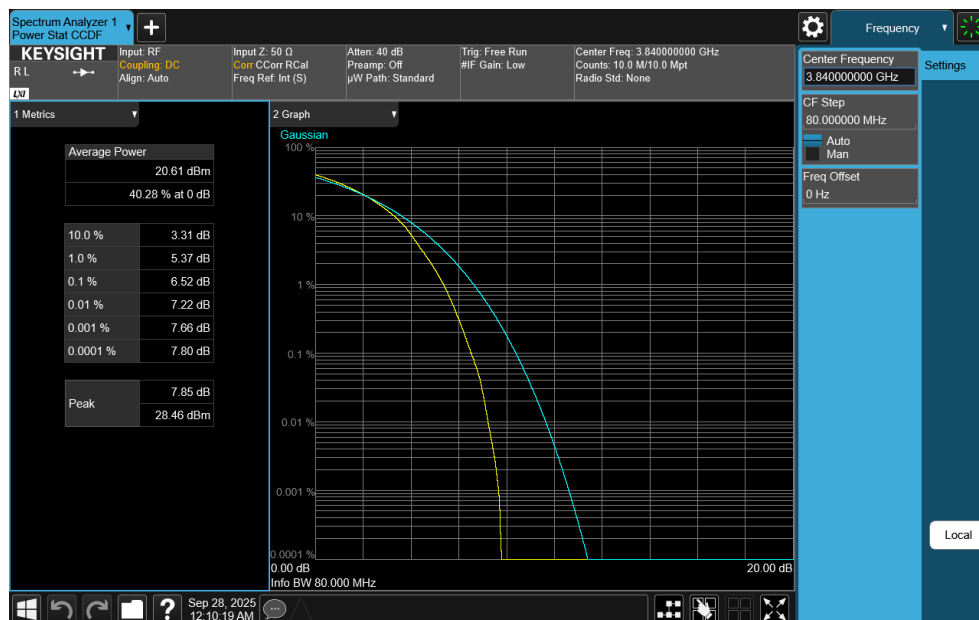
FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-391. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 64-QAM - Full RB)

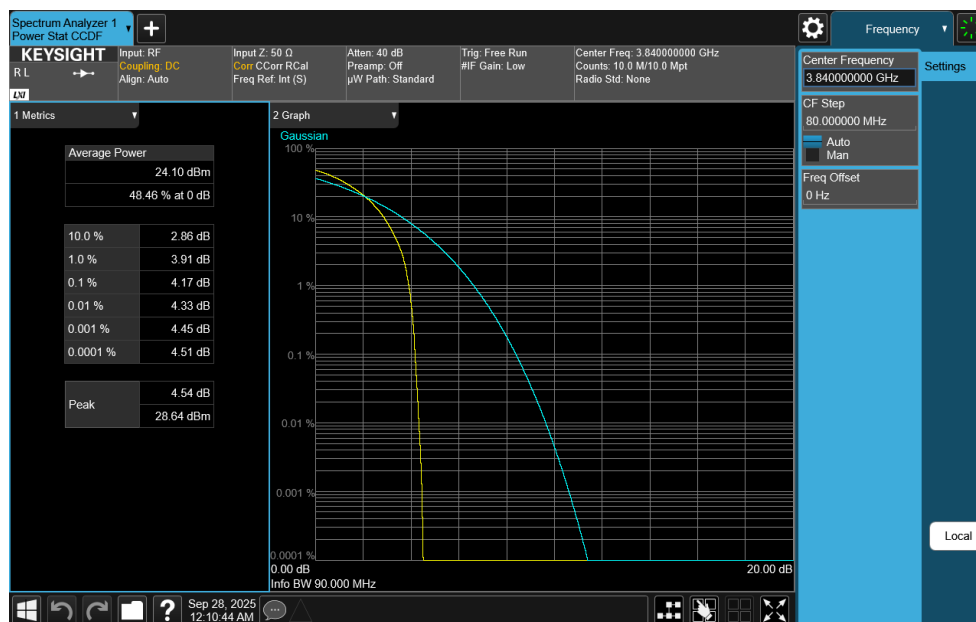


Plot 7-392. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)

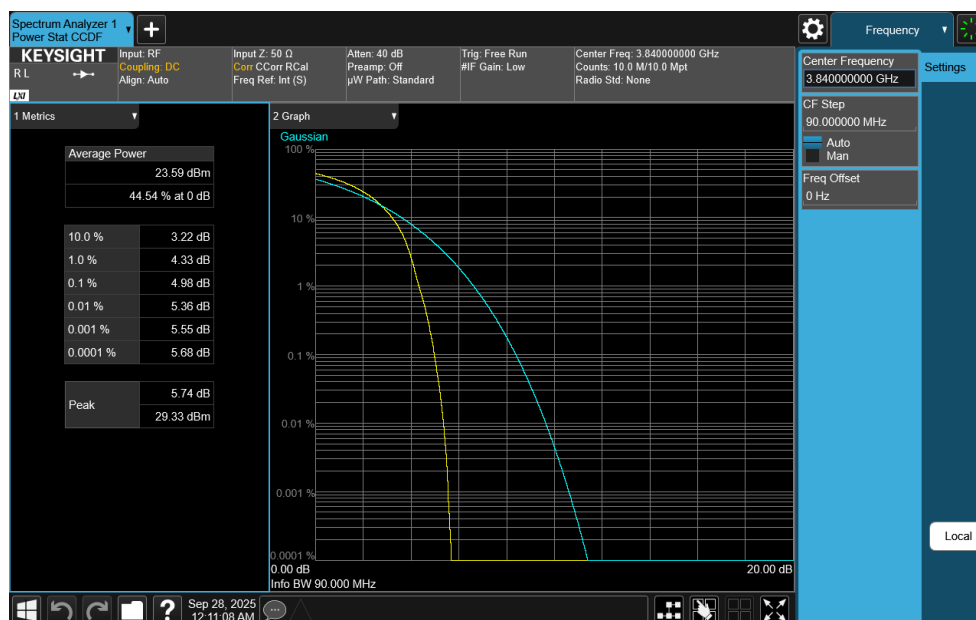
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-393. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

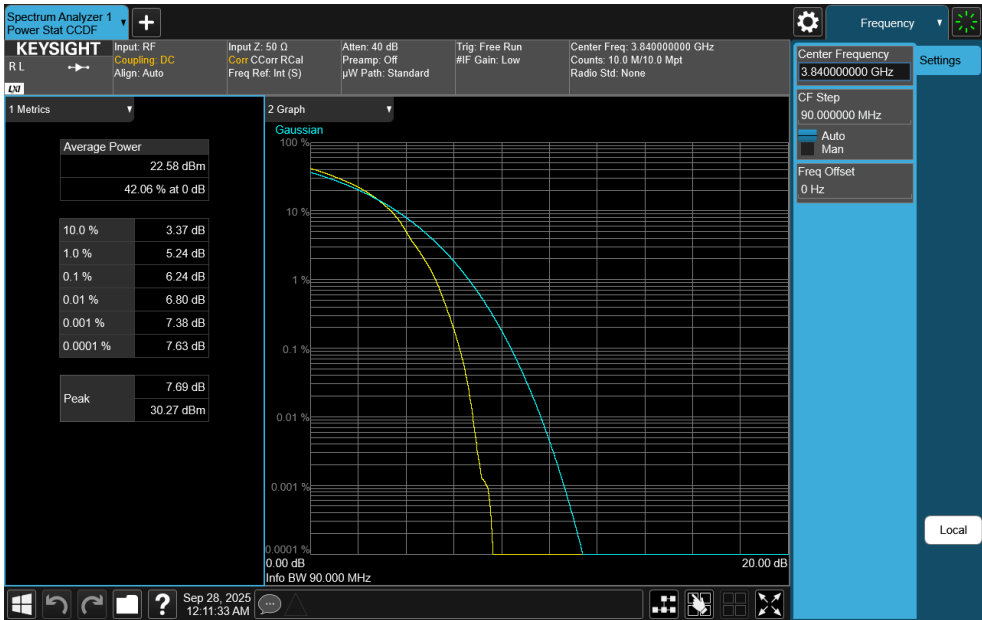


Plot 7-394. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK - Full RB)

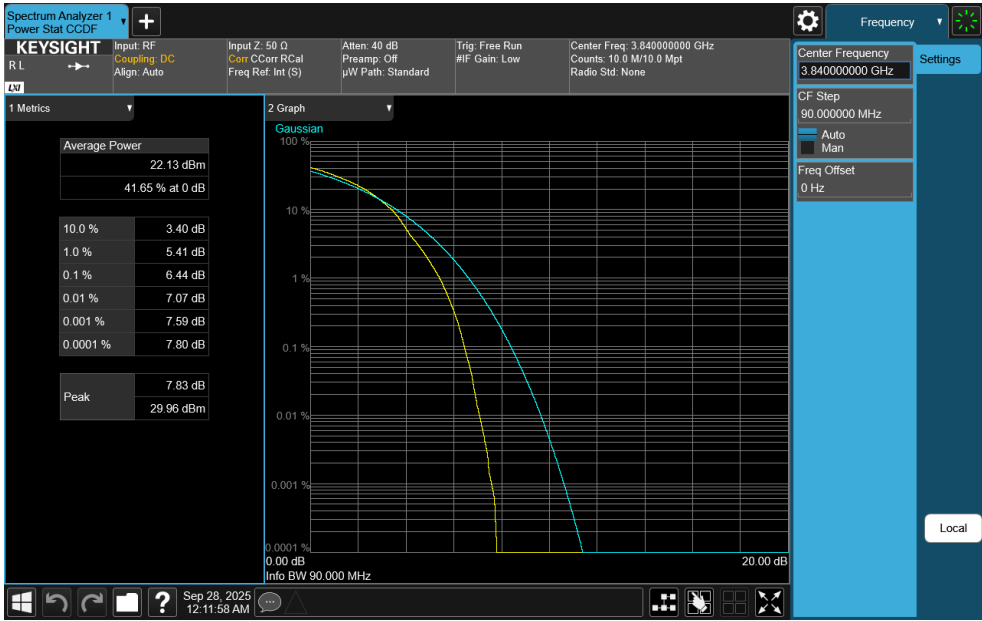
FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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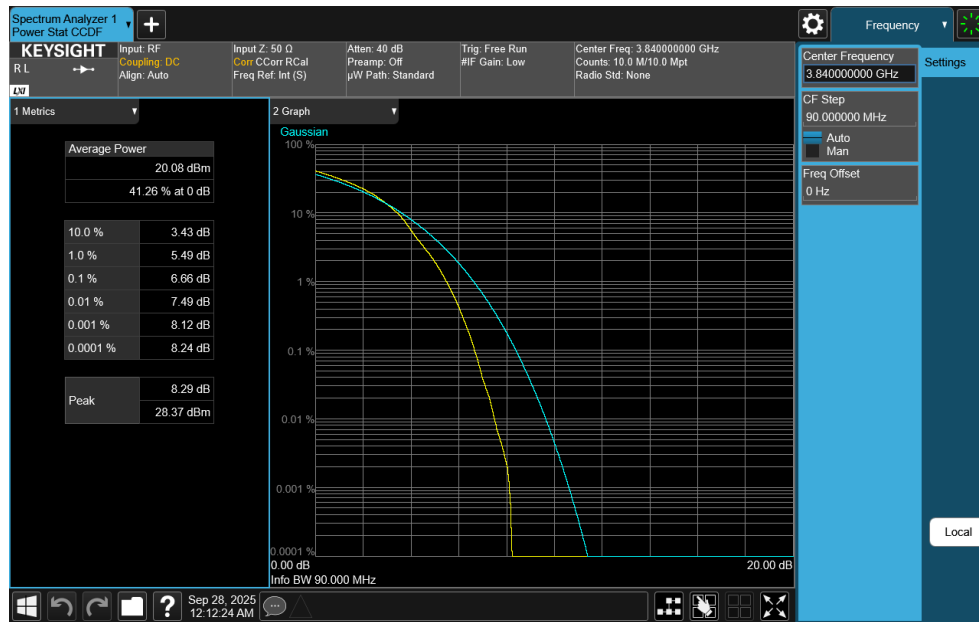


Plot 7-395. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 16-QAM - Full RB)

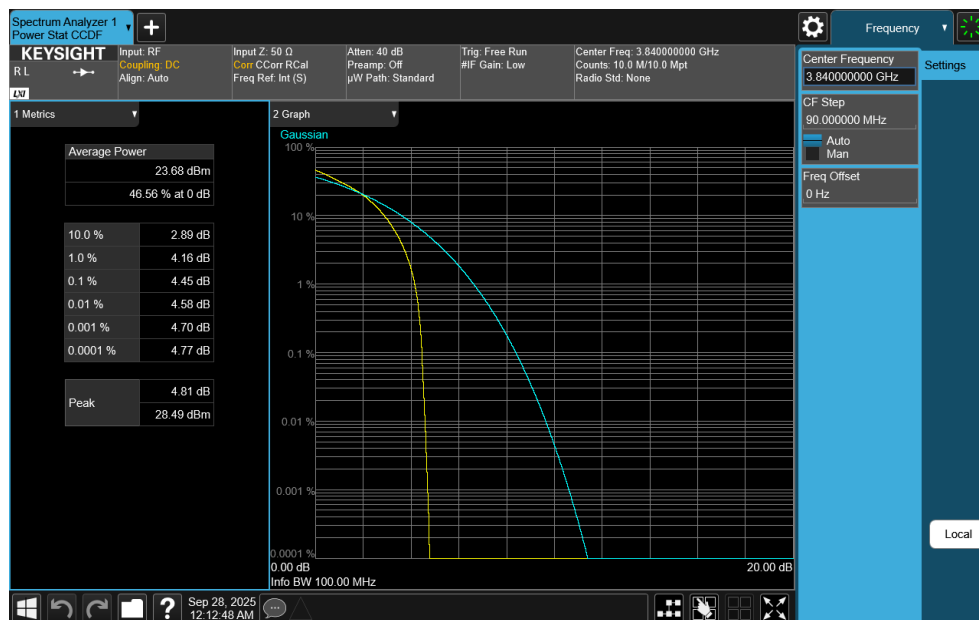


Plot 7-396. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)

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Plot 7-397. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)

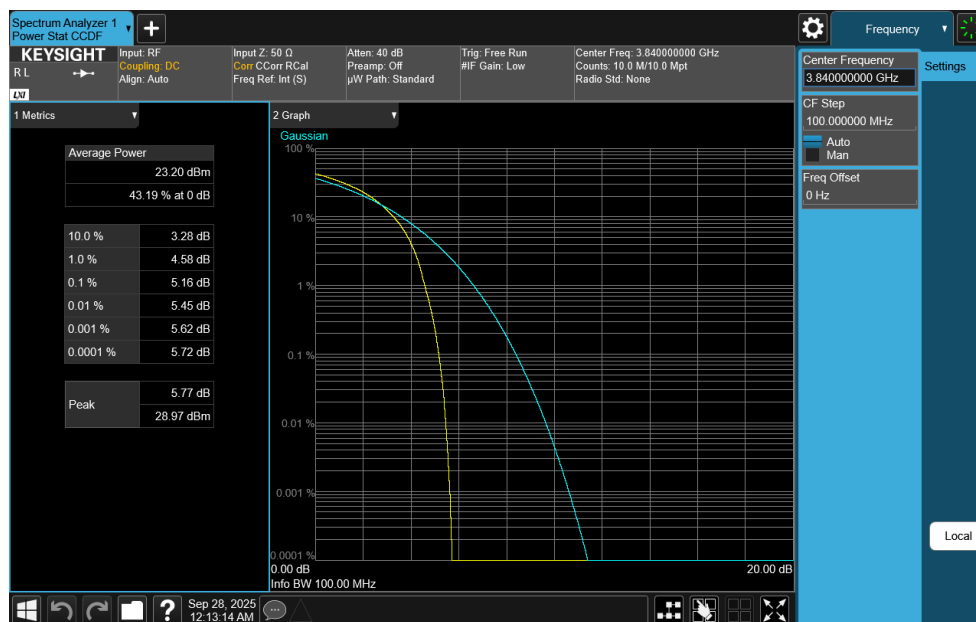


Plot 7-398. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

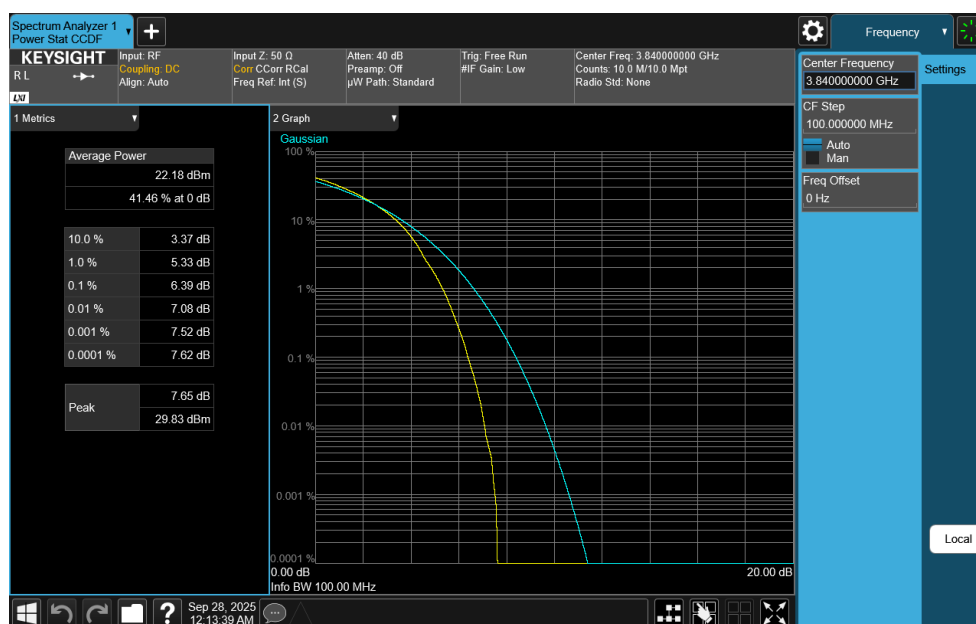
FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-399. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - Full RB)

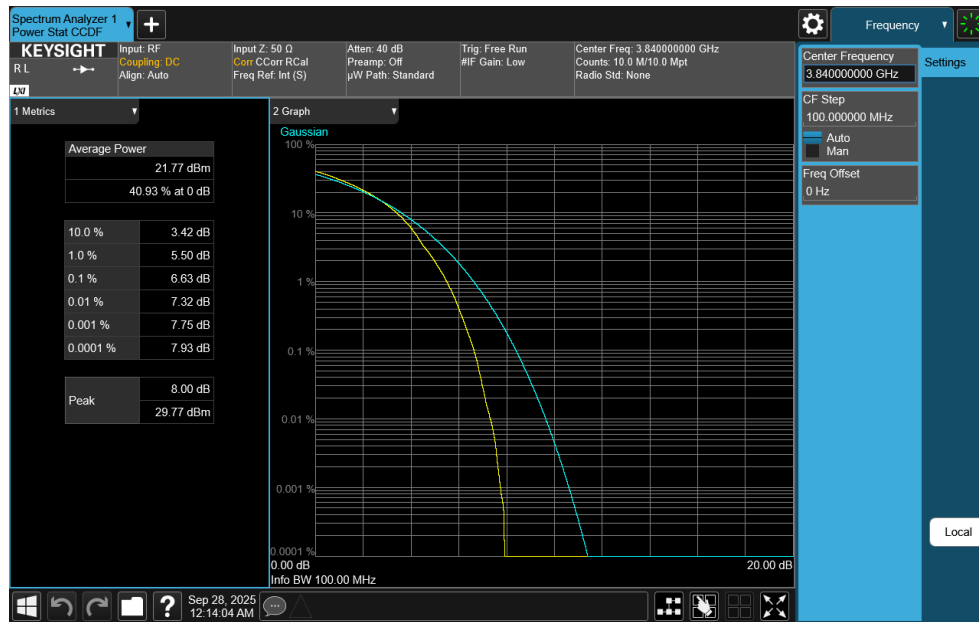


Plot 7-400. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 16-QAM - Full RB)

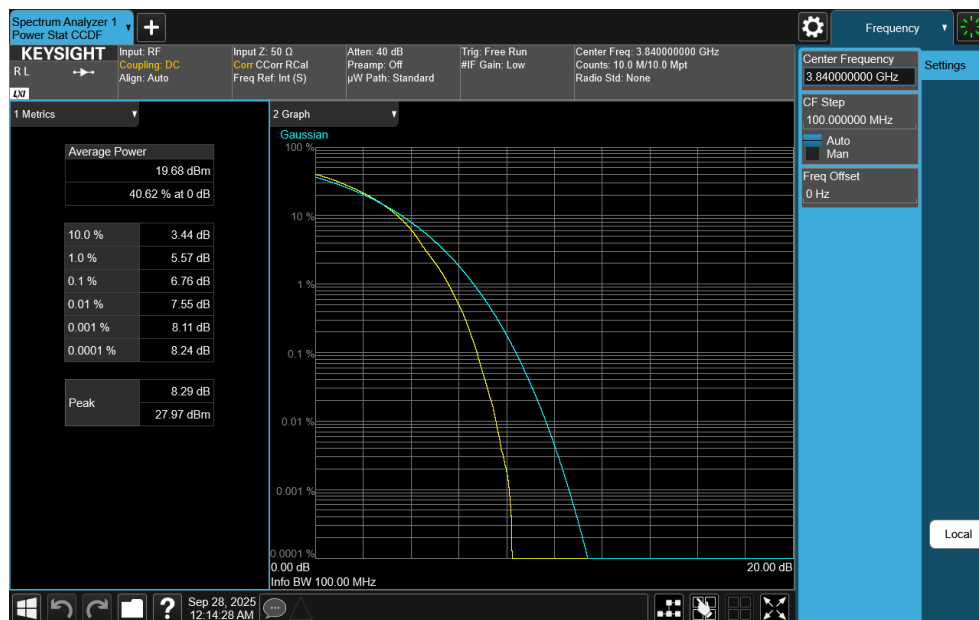
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-401. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 64-QAM - Full RB)



Plot 7-402. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 256-QAM - Full RB)

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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 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.

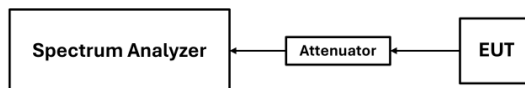


Figure 7-5. FR1 Test Instrument & Measurement Setup

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.

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7.6.1 Antenna 3a – 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	1.90	24 / 0	27.03	28.93	0.782	30.00	-1.07	
		3500.01	1.90	24 / 0	27.04	28.94	0.783	30.00	-1.06	
		3544.98	1.90	24 / 0	27.26	29.16	0.824	30.00	-0.84	
	QPSK	3455.01	1.90	1 / 12	26.97	26.87	0.771	30.00	-1.13	
		3500.01	1.90	1 / 22	26.96	26.86	0.769	30.00	-1.14	
		3544.98	1.90	1 / 12	27.15	29.05	0.804	30.00	-0.95	
15 MHz	16-QAM	3544.98	1.90	1 / 12	26.02	27.92	0.619	30.00	-2.08	
		3544.98	1.90	24 / 0	25.29	27.19	0.524	30.00	-2.81	
		256-QAM	3544.98	1.90	24 / 0	23.36	25.26	0.336	30.00	-4.74
	π/2 BPSK	3457.50	1.90	36 / 0	26.96	26.86	0.769	30.00	-1.14	
		3500.01	1.90	36 / 0	26.95	26.85	0.767	30.00	-1.15	
		3542.49	1.90	36 / 0	27.07	26.97	0.789	30.00	-1.03	
20 MHz	QPSK	3457.50	1.90	1 / 1	26.95	26.85	0.767	30.00	-1.15	
		3500.01	1.90	1 / 36	26.92	26.82	0.762	30.00	-1.18	
		3542.49	1.90	1 / 36	27.12	29.02	0.798	30.00	-0.98	
	16-QAM	3542.49	1.90	1 / 36	26.22	26.12	0.649	30.00	-1.88	
		64-QAM	3542.49	1.90	36 / 0	25.15	27.05	0.507	30.00	-2.95
		256-QAM	3542.49	1.90	36 / 0	23.21	25.11	0.324	30.00	-4.86
25 MHz	π/2 BPSK	3460.02	1.90	50 / 0	26.98	26.88	0.773	30.00	-1.12	
		3500.01	1.90	50 / 0	26.91	26.81	0.760	30.00	-1.10	
		3540.00	1.90	50 / 0	27.11	29.01	0.796	30.00	-0.99	
	QPSK	3460.02	1.90	1 / 25	26.91	26.81	0.760	30.00	-1.19	
		3500.01	1.90	1 / 49	26.93	26.83	0.764	30.00	-1.17	
		3540.00	1.90	1 / 49	27.08	26.98	0.791	30.00	-1.02	
30 MHz	16-QAM	3540.00	1.90	1 / 1	26.02	27.92	0.619	30.00	-2.08	
		64-QAM	3540.00	1.90	50 / 0	25.12	27.02	0.504	30.00	-2.98
		256-QAM	3540.00	1.90	50 / 0	23.24	25.14	0.327	30.00	-4.86
	π/2 BPSK	3462.51	1.90	64 / 0	27.03	26.93	0.782	30.00	-1.07	
		3500.01	1.90	64 / 0	26.95	26.85	0.767	30.00	-1.15	
		3537.48	1.90	64 / 0	27.08	26.98	0.791	30.00	-1.02	
40 MHz	QPSK	3462.51	1.90	1 / 32	26.88	26.78	0.755	30.00	-1.22	
		3500.01	1.90	1 / 63	26.90	26.80	0.759	30.00	-1.20	
		3537.48	1.90	1 / 63	27.02	26.92	0.780	30.00	-1.08	
	16-QAM	3537.48	1.90	1 / 63	26.02	27.92	0.619	30.00	-2.08	
		64-QAM	3537.48	1.90	64 / 0	25.18	27.08	0.511	30.00	-2.92
		256-QAM	3537.48	1.90	64 / 0	23.21	25.11	0.324	30.00	-4.89
50 MHz	π/2 BPSK	3465.00	1.90	75 / 0	26.97	26.87	0.771	30.00	-1.13	
		3500.01	1.90	75 / 0	26.92	26.82	0.762	30.00	-1.18	
		3534.99	1.90	75 / 0	27.06	26.96	0.787	30.00	-1.04	
	QPSK	3465.00	1.90	1 / 1	26.92	26.82	0.762	30.00	-1.18	
		3500.01	1.90	1 / 76	27.00	26.90	0.776	30.00	-1.10	
		3534.99	1.90	1 / 76	27.18	29.08	0.809	30.00	-0.92	
60 MHz	16-QAM	3534.99	1.90	1 / 76	25.95	27.85	0.610	30.00	-2.15	
		64-QAM	3534.99	1.90	75 / 0	25.13	27.03	0.505	30.00	-2.97
		256-QAM	3534.99	1.90	75 / 0	23.12	25.02	0.318	30.00	-4.98
	π/2 BPSK	3470.01	1.90	100 / 0	26.93	26.83	0.764	30.00	-1.17	
		3500.01	1.90	100 / 0	26.95	26.85	0.767	30.00	-1.15	
		3529.98	1.90	100 / 0	27.03	26.93	0.782	30.00	-1.07	
70 MHz	QPSK	3470.01	1.90	1 / 104	26.92	26.82	0.762	30.00	-1.18	
		3500.01	1.90	1 / 104	26.91	26.81	0.760	30.00	-1.19	
		3529.98	1.90	1 / 104	27.07	28.97	0.789	30.00	-1.03	
	16-QAM	3529.98	1.90	1 / 104	25.91	27.81	0.604	30.00	-2.19	
		64-QAM	3529.98	1.90	100 / 0	25.07	26.97	0.498	30.00	-3.03
		256-QAM	3529.98	1.90	100 / 0	23.03	24.93	0.311	30.00	-5.07
80 MHz	π/2 BPSK	3475.02	1.90	128 / 0	26.94	26.84	0.766	30.00	-1.16	
		3500.01	1.90	1 / 64	26.98	26.88	0.773	30.00	-1.12	
		3525.00	1.90	128 / 0	27.08	28.98	0.791	30.00	-1.02	
	QPSK	3475.02	1.90	1 / 64	26.81	26.71	0.743	30.00	-1.29	
		3500.01	1.90	1 / 64	26.82	26.72	0.745	30.00	-1.28	
		3525.00	1.90	1 / 131	26.97	26.87	0.771	30.00	-1.13	
90 MHz	16-QAM	3525.00	1.90	1 / 1	25.84	27.74	0.594	30.00	-2.26	
		64-QAM	3500.01	1.90	128 / 0	25.07	26.97	0.498	30.00	-3.03
		256-QAM	3525.00	1.90	128 / 0	23.01	24.91	0.310	30.00	-5.09
	π/2 BPSK	3480.00	1.90	162 / 0	26.87	26.77	0.753	30.00	-1.23	
		3500.01	1.90	162 / 0	26.87	26.77	0.753	30.00	-1.23	
		3519.99	1.90	162 / 0	26.94	26.84	0.766	30.00	-1.16	
100 MHz	QPSK	3480.00	1.90	1 / 1	26.93	26.83	0.764	30.00	-1.17	
		3500.01	1.90	1 / 160	26.94	26.84	0.766	30.00	-1.16	
		3519.99	1.90	1 / 160	27.16	29.06	0.805	30.00	-0.94	
	16-QAM	3500.01	1.90	1 / 160	25.78	27.68	0.586	30.00	-2.32	
		3519.99	1.90	1 / 160	25.78	27.68	0.586	30.00	-2.32	
		64-QAM	3519.99	1.90	162 / 0	24.97	26.87	0.486	30.00	-3.13
100 MHz	256-QAM	3519.99	1.90	162 / 0	22.93	24.83	0.304	30.00	-5.17	
		3485.01	1.90	1 / 187	26.86	26.76	0.752	30.00	-1.24	
		3500.01	1.90	180 / 0	26.90	26.80	0.759	30.00	-1.20	
	QPSK	3514.98	1.90	1 / 187	26.97	26.87	0.771	30.00	-1.13	
		3485.01	1.90	1 / 1	26.92	26.82	0.762	30.00	-1.18	
		3500.01	1.90	1 / 90	26.85	26.75	0.750	30.00	-1.25	
80 MHz	16-QAM	3514.98	1.90	1 / 187	26.99	28.89	0.774	30.00	-1.11	
		3500.01	1.90	1 / 187	25.90	27.80	0.603	30.00	-2.20	
		64-QAM	3514.98	1.90	180 / 0	24.95	26.85	0.484	30.00	-3.15
	π/2 BPSK	3514.98	1.90	180 / 0	22.97	24.87	0.307	30.00	-5.19	
		3490.02	1.90	1 / 1	26.93	26.83	0.764	30.00	-1.17	
		3500.01	1.90	1 / 215	27.01	26.91	0.778	30.00	-1.09	
90 MHz	QPSK	3510.00	1.90	1 / 215	27.08	28.98	0.791	30.00	-1.02	
		3490.02	1.90	1 / 215	26.94	26.84	0.766	30.00	-1.16	
		3500.01	1.90	1 / 215	27.01	26.91	0.778	30.00	-1.09	
	16-QAM	3510.00	1.90	1 / 215	27.02	26.92	0.780	30.00	-1.08	
		64-QAM	3490.02	1.90	1 / 215	25.87	27.77	0.598	30.00	-2.23
		256-QAM	3510.00	1.90	216 / 0	25.01	26.91	0.491	30.00	-3.09
100 MHz	π/2 BPSK	3510.00	1.90	216 / 0	23.01	24.91	0.310	30.00	-5.09	
		3495.00	1.90	243 / 0	26.95	26.85	0.767	30.00	-1.15	
		3500.01	1.90	243 / 0	26.97	26.87	0.771	30.00	-1.13	
	QPSK	3504.99	1.90	1 / 243	27.08	28.98	0.791	30.00	-1.02	
		3495.00	1.90	1 / 1	26.84	26.74	0.748	30.00	-1.26	
		3500.01	1.90	1 / 1	27.03	26.93	0.782	30.00	-1.07	
16-QAM	3504.99	1.90	1 / 243	26.99	26.89	0.774	30.00	-1.11		
	64-QAM	3500.01	1.90	1 / 1	25.86	27.76	0.597	30.00	-2.24	
	256-QAM	3504.99	1.90	243 / 0	24.94	26.84	0.483	30.00	-3.16	
100 MHz	π/2 BPSK	3504.99	1.90	243 / 0	22.95	24.85	0.305	30.00	-5.15	
		3500.01	1.90	1 / 271	27.12	29.02	0.798	30.00	-0.98	
		3500.01	1.90	1 / 1	27.02	26.92	0.780	30.00	-1.08	
	QPSK	3500.01	1.90	1 / 1	25.85	27.75	0.596	30.00	-2.25	
		64-QAM	3500.01	1.90	270 / 0	24.90	26.80	0.479	30.00	-3.20
		256-QAM	3500.01	1.90	270 / 0	22.88	24.78	0.301	30.00	-5.22

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

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-11-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 226 of 258	

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.90	24 / 0	25.24	27.14	0.518	30.00	-2.86
		3500.01	1.90	24 / 0	25.28	27.18	0.522	30.00	-2.82
		3544.98	1.90	24 / 0	25.49	27.39	0.548	30.00	-2.61
		3455.01	1.90	1 / 1	25.22	27.12	0.515	30.00	-2.88
		3500.01	1.90	1 / 22	25.28	27.18	0.522	30.00	-2.82
	QPSK	3544.98	1.90	1 / 12	25.39	27.29	0.536	30.00	-2.71
		3544.98	1.90	1 / 12	24.22	26.12	0.409	30.00	-3.88
		3544.98	1.90	24 / 0	23.56	25.46	0.352	30.00	-4.54
		3544.98	1.90	24 / 0	21.56	23.46	0.222	30.00	-6.54
		3457.50	1.90	36 / 0	25.26	27.16	0.520	30.00	-2.84
15 MHz	π/2 BPSK	3500.01	1.90	36 / 0	25.24	27.14	0.518	30.00	-2.86
		3542.49	1.90	36 / 0	25.41	27.31	0.538	30.00	-2.69
		3457.50	1.90	1 / 1	25.27	27.17	0.521	30.00	-2.83
		3500.01	1.90	1 / 36	25.30	27.20	0.525	30.00	-2.80
		3542.49	1.90	1 / 36	25.44	27.34	0.542	30.00	-2.66
	QPSK	3542.49	1.90	1 / 36	24.55	26.45	0.442	30.00	-3.55
		3542.49	1.90	36 / 0	23.49	25.39	0.346	30.00	-4.61
		3542.49	1.90	36 / 0	21.51	23.41	0.219	30.00	-6.59
		3460.02	1.90	50 / 0	25.31	27.21	0.526	30.00	-2.79
		3500.01	1.90	50 / 0	25.27	27.17	0.521	30.00	-2.83
20 MHz	π/2 BPSK	3540.00	1.90	50 / 0	25.44	27.34	0.542	30.00	-2.66
		3460.02	1.90	1 / 49	25.28	27.18	0.522	30.00	-2.82
		3500.01	1.90	1 / 49	25.28	27.18	0.522	30.00	-2.82
		3540.00	1.90	1 / 49	25.50	27.40	0.550	30.00	-2.60
		3460.02	1.90	1 / 25	24.35	26.25	0.422	30.00	-3.75
	QPSK	3540.00	1.90	50 / 0	23.45	25.35	0.343	30.00	-4.65
		3540.00	1.90	50 / 0	21.53	23.43	0.220	30.00	-6.57
		3462.51	1.90	64 / 0	25.32	27.22	0.527	30.00	-2.78
		3500.01	1.90	64 / 0	25.33	27.23	0.528	30.00	-2.77
		3537.48	1.90	64 / 0	25.46	27.36	0.545	30.00	-2.64
25 MHz	π/2 BPSK	3462.51	1.90	1 / 32	25.27	27.17	0.521	30.00	-2.83
		3500.01	1.90	1 / 32	25.22	27.12	0.515	30.00	-2.88
		3537.48	1.90	1 / 63	25.39	27.29	0.536	30.00	-2.71
		3462.51	1.90	1 / 32	24.34	26.24	0.421	30.00	-3.76
		3537.48	1.90	64 / 0	23.54	25.44	0.350	30.00	-4.56
	QPSK	3537.48	1.90	64 / 0	21.53	23.43	0.220	30.00	-6.57
		3465.00	1.90	75 / 0	25.28	27.18	0.522	30.00	-2.82
		3500.01	1.90	75 / 0	25.27	27.17	0.521	30.00	-2.83
		3534.99	1.90	75 / 0	25.40	27.30	0.537	30.00	-2.70
		3465.00	1.90	1 / 1	25.28	27.18	0.522	30.00	-2.82
30 MHz	π/2 BPSK	3500.01	1.90	1 / 76	25.27	27.17	0.521	30.00	-2.83
		3534.99	1.90	1 / 76	25.48	27.38	0.547	30.00	-2.62
		3534.99	1.90	1 / 36	24.38	26.28	0.425	30.00	-3.72
		3534.99	1.90	75 / 0	23.47	25.37	0.344	30.00	-4.63
		3534.99	1.90	75 / 0	21.44	23.34	0.216	30.00	-6.66
	QPSK	3470.01	1.90	100 / 0	25.26	27.16	0.520	30.00	-2.84
		3500.01	1.90	100 / 0	25.29	27.19	0.524	30.00	-2.81
		3529.98	1.90	1 / 104	25.38	27.28	0.535	30.00	-2.72
		3470.01	1.90	1 / 1	25.27	27.17	0.521	30.00	-2.83
		3500.01	1.90	1 / 104	25.25	27.15	0.519	30.00	-2.85
40 MHz	π/2 BPSK	3529.98	1.90	1 / 104	25.44	27.34	0.542	30.00	-2.66
		3529.98	1.90	1 / 104	24.28	26.18	0.415	30.00	-3.82
		3529.98	1.90	100 / 0	23.41	25.31	0.340	30.00	-4.69
		3529.98	1.90	100 / 0	21.40	23.30	0.214	30.00	-6.70
		3475.02	1.90	128 / 0	25.26	27.16	0.520	30.00	-2.84
	QPSK	3500.01	1.90	128 / 0	25.40	27.30	0.537	30.00	-2.70
		3525.00	1.90	128 / 0	25.36	27.26	0.532	30.00	-2.74
		3475.02	1.90	1 / 64	25.14	27.04	0.506	30.00	-2.96
		3500.01	1.90	1 / 64	25.22	27.12	0.515	30.00	-2.88
		3525.00	1.90	1 / 64	25.28	27.18	0.522	30.00	-2.82
50 MHz	π/2 BPSK	3525.00	1.90	1 / 131	24.17	26.07	0.405	30.00	-3.93
		3525.00	1.90	128 / 0	23.44	25.34	0.342	30.00	-4.66
		3525.00	1.90	128 / 0	21.42	23.32	0.215	30.00	-6.68
		3480.00	1.90	1 / 160	25.30	27.20	0.525	30.00	-2.80
		3500.01	1.90	162 / 0	25.28	27.18	0.522	30.00	-2.82
	QPSK	3519.99	1.90	162 / 0	25.33	27.23	0.528	30.00	-2.77
		3480.00	1.90	1 / 1	25.37	27.27	0.533	30.00	-2.73
		3500.01	1.90	1 / 160	25.27	27.17	0.521	30.00	-2.83
		3519.99	1.90	1 / 160	25.47	27.37	0.546	30.00	-2.63
		3519.99	1.90	1 / 160	24.10	26.00	0.398	30.00	-4.00
60 MHz	π/2 BPSK	3519.99	1.90	162 / 0	23.37	25.27	0.337	30.00	-4.73
		3519.99	1.90	162 / 0	21.34	23.24	0.211	30.00	-6.76
		3485.01	1.90	1 / 187	25.38	27.28	0.535	30.00	-2.72
		3500.01	1.90	1 / 187	25.48	27.38	0.547	30.00	-2.62
		3514.98	1.90	1 / 187	25.45	27.35	0.543	30.00	-2.65
	QPSK	3485.01	1.90	1 / 1	25.31	27.21	0.526	30.00	-2.79
		3500.01	1.90	1 / 187	25.37	27.27	0.533	30.00	-2.73
		3514.98	1.90	1 / 187	25.37	27.27	0.533	30.00	-2.73
		3500.01	1.90	1 / 187	24.30	26.20	0.417	30.00	-3.80
		3514.98	1.90	180 / 0	23.45	25.35	0.343	30.00	-4.65
70 MHz	π/2 BPSK	3514.98	1.90	180 / 0	21.42	23.32	0.215	30.00	-6.68
		3490.02	1.90	216 / 0	25.21	27.11	0.514	30.00	-2.89
		3500.01	1.90	216 / 0	25.31	27.21	0.526	30.00	-2.79
		3510.00	1.90	216 / 0	25.35	27.25	0.531	30.00	-2.75
		3490.02	1.90	1 / 215	25.50	27.40	0.550	30.00	-2.60
	QPSK	3500.01	1.90	1 / 1	25.30	27.20	0.525	30.00	-2.80
		3510.00	1.90	1 / 215	25.33	27.23	0.528	30.00	-2.77
		3510.00	1.90	1 / 215	24.34	26.24	0.421	30.00	-3.76
		3510.00	1.90	216 / 0	23.40	25.30	0.339	30.00	-4.70
		3510.00	1.90	216 / 0	21.37	23.27	0.212	30.00	-6.73
80 MHz	π/2 BPSK	3495.00	1.90	243 / 0	25.38	27.28	0.535	30.00	-2.72
		3500.01	1.90	243 / 0	25.39	27.29	0.536	30.00	-2.71
		3504.99	1.90	1 / 243	25.45	27.35	0.543	30.00	-2.65
		3495.00	1.90	1 / 1	25.39	27.29	0.536	30.00	-2.71
		3500.01	1.90	1 / 243	25.37	27.27	0.533	30.00	-2.73
	QPSK	3504.99	1.90	1 / 120	25.39	27.29	0.536	30.00	-2.71
		3495.00	1.90	1 / 243	24.36	26.26	0.423	30.00	-3.74
		3504.99	1.90	243 / 0	23.46	25.36	0.344	30.00	-4.64
		3504.99	1.90	243 / 0	21.44	23.34	0.216	30.00	-6.66
		3500.01	1.90	270 / 0	25.38	27.28	0.535	30.00	-2.72
100 MHz	QPSK	3500.01	1.90	1 / 271	25.36	27.26	0.532	30.00	-2.74
	16-QAM	3500.01	1.90	1 / 1	24.29	26.19	0.416	30.00	-3.81
	64-QAM	3500.01	1.90	270 / 0	23.39	25.29	0.338	30.00	-4.71
	256-QAM	3500.01	1.90	270 / 0	21.41	23.31	0.214	30.00	-6.71

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	-0.40	24 / 0	27.04	26.64	0.461	30.00	-3.36
		3840.00	-0.40	24 / 0	26.93	26.53	0.450	30.00	-3.47
		3975.00	-0.40	24 / 0	26.92	26.52	0.449	30.00	-3.48
	QPSK	3705.00	-0.40	1 / 1	26.98	26.58	0.455	30.00	-3.42
		3840.00	-0.40	1 / 1	26.88	26.48	0.445	30.00	-3.52
		3975.00	-0.40	1 / 12	26.79	26.39	0.436	30.00	-3.61
	16-QAM	3705.00	-0.40	1 / 22	25.93	25.53	0.357	30.00	-4.47
	64-QAM	3705.00	-0.40	24 / 0	25.19	24.79	0.301	30.00	-5.21
	256-QAM	3705.00	-0.40	24 / 0	23.20	22.80	0.191	30.00	-7.20
	256-QAM	3705.00	-0.40	24 / 0	23.20	22.80	0.191	30.00	-7.20
15 MHz	π/2 BPSK	3707.51	-0.40	36 / 0	27.02	26.62	0.459	30.00	-3.38
		3840.00	-0.40	36 / 0	26.90	26.50	0.447	30.00	-3.50
		3972.50	-0.40	36 / 0	26.78	26.38	0.435	30.00	-3.62
	QPSK	3707.51	-0.40	1 / 36	27.02	26.62	0.459	30.00	-3.38
		3840.00	-0.40	1 / 18	26.84	26.44	0.441	30.00	-3.56
		3972.50	-0.40	1 / 18	26.82	26.42	0.439	30.00	-3.58
	16-QAM	3707.51	-0.40	1 / 36	26.12	25.72	0.373	30.00	-4.28
	64-QAM	3707.51	-0.40	36 / 0	25.03	24.63	0.290	30.00	-5.37
	256-QAM	3707.51	-0.40	36 / 0	23.13	22.73	0.187	30.00	-7.27
	256-QAM	3707.51	-0.40	36 / 0	23.13	22.73	0.187	30.00	-7.27
20 MHz	π/2 BPSK	3710.01	-0.40	50 / 0	27.03	26.63	0.460	30.00	-3.37
		3840.00	-0.40	50 / 0	26.91	26.51	0.448	30.00	-3.49
		3969.99	-0.40	50 / 0	26.82	26.42	0.438	30.00	-3.58
	QPSK	3710.01	-0.40	1 / 49	27.01	26.61	0.458	30.00	-3.39
		3840.00	-0.40	1 / 49	26.82	26.42	0.439	30.00	-3.58
		3969.99	-0.40	1 / 1	26.85	26.45	0.442	30.00	-3.55
	16-QAM	3710.01	-0.40	1 / 49	25.85	25.45	0.351	30.00	-4.55
	64-QAM	3710.01	-0.40	50 / 0	25.02	24.62	0.290	30.00	-5.38
	256-QAM	3710.01	-0.40	50 / 0	23.17	22.77	0.189	30.00	-7.23
	256-QAM	3710.01	-0.40	50 / 0	23.17	22.77	0.189	30.00	-7.23
25 MHz	π/2 BPSK	3712.50	-0.40	64 / 0	27.10	26.70	0.468	30.00	-3.30
		3840.00	-0.40	64 / 0	26.90	26.50	0.447	30.00	-3.50
		3967.50	-0.40	64 / 0	26.86	26.46	0.443	30.00	-3.54
	QPSK	3712.50	-0.40	1 / 63	26.99	26.59	0.456	30.00	-3.41
		3840.00	-0.40	1 / 32	26.81	26.41	0.438	30.00	-3.59
		3967.50	-0.40	1 / 1	26.83	26.43	0.440	30.00	-3.57
	16-QAM	3840.00	-0.40	1 / 32	25.94	25.54	0.358	30.00	-4.46
	64-QAM	3712.50	-0.40	64 / 0	25.18	24.78	0.301	30.00	-5.22
	256-QAM	3712.50	-0.40	64 / 0	23.21	22.81	0.191	30.00	-7.19
	256-QAM	3712.50	-0.40	64 / 0	23.21	22.81	0.191	30.00	-7.19
30 MHz	π/2 BPSK	3715.02	-0.40	75 / 0	26.93	26.53	0.450	30.00	-3.47
		3840.00	-0.40	75 / 0	26.76	26.36	0.433	30.00	-3.64
		3964.98	-0.40	1 / 1	26.79	26.39	0.436	30.00	-3.61
	QPSK	3715.02	-0.40	1 / 36	27.10	26.70	0.468	30.00	-3.30
		3840.00	-0.40	1 / 76	26.82	26.42	0.439	30.00	-3.58
		3964.98	-0.40	1 / 1	26.87	26.47	0.444	30.00	-3.53
	16-QAM	3840.00	-0.40	1 / 76	25.84	25.44	0.350	30.00	-4.56
	64-QAM	3715.02	-0.40	75 / 0	24.95	24.55	0.285	30.00	-5.45
	256-QAM	3715.02	-0.40	75 / 0	22.99	22.59	0.182	30.00	-7.41
	256-QAM	3715.02	-0.40	75 / 0	22.99	22.59	0.182	30.00	-7.41
40 MHz	π/2 BPSK	3720.00	-0.40	100 / 0	27.09	26.69	0.467	30.00	-3.31
		3840.00	-0.40	100 / 0	26.92	26.52	0.449	30.00	-3.48
		3960.00	-0.40	100 / 0	26.94	26.54	0.451	30.00	-3.46
	QPSK	3720.00	-0.40	1 / 50	26.98	26.58	0.455	30.00	-3.42
		3840.00	-0.40	1 / 104	26.95	26.55	0.452	30.00	-3.45
		3960.00	-0.40	1 / 1	27.02	26.62	0.459	30.00	-3.38
	16-QAM	3960.00	-0.40	1 / 1	25.86	25.46	0.352	30.00	-4.54
	64-QAM	3720.00	-0.40	100 / 0	25.10	24.70	0.295	30.00	-5.30
	256-QAM	3720.00	-0.40	100 / 0	23.07	22.67	0.185	30.00	-7.33
	256-QAM	3720.00	-0.40	100 / 0	23.07	22.67	0.185	30.00	-7.33
50 MHz	π/2 BPSK	3725.01	-0.40	128 / 0	27.07	26.67	0.465	30.00	-3.33
		3840.00	-0.40	128 / 0	26.93	26.53	0.450	30.00	-3.47
		3954.99	-0.40	128 / 0	26.94	26.54	0.451	30.00	-3.46
	QPSK	3725.01	-0.40	1 / 64	27.03	26.63	0.460	30.00	-3.37
		3840.00	-0.40	1 / 64	26.85	26.45	0.442	30.00	-3.55
		3954.99	-0.40	1 / 64	26.91	26.51	0.448	30.00	-3.49
	16-QAM	3725.01	-0.40	1 / 1	25.93	25.53	0.357	30.00	-4.47
	64-QAM	3725.01	-0.40	128 / 0	25.13	24.73	0.297	30.00	-5.27
	256-QAM	3725.01	-0.40	128 / 0	23.10	22.70	0.186	30.00	-7.30
	256-QAM	3725.01	-0.40	128 / 0	23.10	22.70	0.186	30.00	-7.30
60 MHz	π/2 BPSK	3730.02	-0.40	162 / 0	27.02	26.62	0.459	30.00	-3.38
		3840.00	-0.40	162 / 0	26.85	26.45	0.442	30.00	-3.55
		3949.98	-0.40	162 / 0	26.96	26.56	0.453	30.00	-3.44
	QPSK	3730.02	-0.40	1 / 81	27.07	26.67	0.465	30.00	-3.33
		3840.00	-0.40	1 / 81	26.95	26.55	0.452	30.00	-3.45
		3949.98	-0.40	1 / 1	26.93	26.53	0.450	30.00	-3.47
	16-QAM	3949.98	-0.40	1 / 81	25.80	25.40	0.347	30.00	-4.60
	64-QAM	3730.02	-0.40	162 / 0	25.02	24.62	0.290	30.00	-5.38
	256-QAM	3730.02	-0.40	162 / 0	22.95	22.55	0.180	30.00	-7.45
	256-QAM	3730.02	-0.40	162 / 0	22.95	22.55	0.180	30.00	-7.45
70 MHz	π/2 BPSK	3735.00	-0.40	180 / 0	26.95	26.55	0.452	30.00	-3.45
		3840.00	-0.40	180 / 0	26.89	26.49	0.446	30.00	-3.51
		3945.00	-0.40	180 / 0	26.96	26.56	0.453	30.00	-3.44
	QPSK	3735.00	-0.40	1 / 90	26.89	26.49	0.446	30.00	-3.51
		3840.00	-0.40	1 / 1	26.86	26.46	0.443	30.00	-3.54
		3945.00	-0.40	1 / 1	26.98	26.58	0.455	30.00	-3.42
	16-QAM	3840.00	-0.40	1 / 187	25.72	25.32	0.340	30.00	-4.68
	64-QAM	3945.00	-0.40	180 / 0	24.93	24.53	0.284	30.00	-5.47
	256-QAM	3945.00	-0.40	180 / 0	22.94	22.54	0.179	30.00	-7.46
	256-QAM	3945.00	-0.40	180 / 0	22.94	22.54	0.179	30.00	-7.46
80 MHz	π/2 BPSK	3740.01	-0.40	216 / 0	26.92	26.52	0.449	30.00	-3.48
		3840.00	-0.40	216 / 0	26.96	26.56	0.453	30.00	-3.44
		3939.99	-0.40	1 / 1	27.10	26.70	0.468	30.00	-3.30
	QPSK	3740.01	-0.40	1 / 1	26.95	26.55	0.452	30.00	-3.45
		3840.00	-0.40	1 / 108	26.91	26.51	0.448	30.00	-3.49
		3939.99	-0.40	1 / 1	27.04	26.64	0.461	30.00	-3.36
	16-QAM	3939.99	-0.40	1 / 1	25.87	25.47	0.352	30.00	-4.53
	64-QAM	3939.99	-0.40	216 / 0	25.00	24.60	0.288	30.00	-5.40
	256-QAM	3939.99	-0.40	216 / 0	22.97	22.57	0.181	30.00	-7.43
	256-QAM	3939.99	-0.40	216 / 0	22.97	22.57	0.181	30.00	-7.43
90 MHz	π/2 BPSK	3745.02	-0.40	243 / 0	27.05	26.65	0.462	30.00	-3.35
		3840.00	-0.40	243 / 0	27.05	26.65	0.462	30.00	-3.35
		3934.98	-0.40	243 / 0	27.10	26.70	0.468	30.00	-3.30
	QPSK	3745.02	-0.40	1 / 120	27.04	26.64	0.461	30.00	-3.36
		3840.00	-0.40	1 / 1	27.06	26.66	0.463	30.00	-3.34
		3934.98	-0.40	1 / 120	27.10	26.70	0.468	30.00	-3.30
	16-QAM	3934.98	-0.40	1 / 1	25.97	25.57	0.361	30.00	-4.43
	64-QAM	3934.98	-0.40	243 / 0	25.07	24.67	0.293	30.00	-5.33
	256-QAM	3934.98	-0.40	243 / 0	23.07	22.67	0.185	30.00	-7.33
	256-QAM	3934.98	-0.40	243 / 0	23.07	22.67	0.185	30.00	-7.33
100 MHz	π/2 BPSK	3750.00	-0.40	270 / 0	27.05	26.65	0.462	30.00	-3.35
		3840.00	-0.40	270 / 0	27.02	26.62	0.459	30.00	-3.38
		3930.00	-0.40	270 / 0	27.06	26.66	0.463	30.00	-3.34
	QPSK	3750.00	-0.40	1 / 135	27.01	26.61	0.458	30.00	-3.39
		3840.00	-0.40	1 / 135	26.91	26.51	0.448	30.00	-3.49
		3930.00	-0.40	1 / 1	26.98	26.58	0.455	30.00	-3.42
	16-QAM	3930.00	-0.40	1 / 135	25.97	25.57	0.361	30.00	-4.43
	64-QAM	3930.00	-0.40	270 / 0	25.13	24.73	0.297	30.00	-5.27
	256-QAM	3930.00	-0.40	270 / 0	23.14	22.74	0.189	30.00	-7.28
	256-QAM	3930.00	-0.40	270 / 0	23.14	22.74	0.189	30.00	-7.28

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	-0.40	24 / 0	25.50	25.10	0.324	30.00	-4.90
		3840.00	-0.40	24 / 0	25.47	25.07	0.321	30.00	-4.93
		3975.00	-0.40	24 / 0	25.41	25.01	0.317	30.00	-4.99
	QPSK	3705.00	-0.40	1 / 22	25.44	25.04	0.319	30.00	-4.96
		3840.00	-0.40	1 / 12	25.40	25.00	0.316	30.00	-5.00
		3975.00	-0.40	1 / 22	25.37	24.97	0.314	30.00	-5.03
	16-QAM	3975.00	-0.40	1 / 22	24.25	23.85	0.243	30.00	-6.15
	64-QAM	3705.00	-0.40	24 / 0	23.57	23.17	0.207	30.00	-6.83
	256-QAM	3705.00	-0.40	24 / 0	21.60	21.20	0.132	30.00	-8.80
	256-QAM	3705.00	-0.40	24 / 0	21.60	21.20	0.132	30.00	-8.80
15 MHz	π/2 BPSK	3707.51	-0.40	36 / 0	25.40	25.00	0.316	30.00	-5.00
		3840.00	-0.40	36 / 0	25.40	25.00	0.316	30.00	-5.00
		3972.50	-0.40	36 / 0	25.28	24.88	0.308	30.00	-5.12
	QPSK	3707.51	-0.40	1 / 36	25.41	25.01	0.317	30.00	-4.99
		3840.00	-0.40	1 / 1	25.35	24.95	0.313	30.00	-5.05
		3972.50	-0.40	1 / 1	25.31	24.91	0.310	30.00	-5.09
	16-QAM	3707.51	-0.40	1 / 36	24.52	24.12	0.258	30.00	-5.88
	64-QAM	3707.51	-0.40	36 / 0	23.46	23.06	0.202	30.00	-6.94
	256-QAM	3707.51	-0.40	36 / 0	21.48	21.08	0.128	30.00	-8.92
	256-QAM	3707.51	-0.40	36 / 0	21.48	21.08	0.128	30.00	-8.92
20 MHz	π/2 BPSK	3710.01	-0.40	50 / 0	25.42	25.02	0.318	30.00	-4.98
		3840.00	-0.40	50 / 0	25.41	25.01	0.317	30.00	-4.99
		3969.99	-0.40	50 / 0	25.28	24.88	0.308	30.00	-5.12
	QPSK	3710.01	-0.40	1 / 49	25.46	25.06	0.321	30.00	-4.94
		3840.00	-0.40	1 / 49	25.33	24.93	0.311	30.00	-5.07
		3969.99	-0.40	1 / 1	25.32	24.92	0.310	30.00	-5.08
	16-QAM	3710.01	-0.40	1 / 49	24.27	23.87	0.244	30.00	-6.13
	64-QAM	3710.01	-0.40	50 / 0	23.45	23.05	0.202	30.00	-6.95
	256-QAM	3710.01	-0.40	50 / 0	21.51	21.11	0.129	30.00	-8.89
	256-QAM	3710.01	-0.40	50 / 0	21.51	21.11	0.129	30.00	-8.89
25 MHz	π/2 BPSK	3712.50	-0.40	64 / 0	25.48	25.08	0.322	30.00	-4.92
		3840.00	-0.40	64 / 0	25.45	25.05	0.320	30.00	-4.95
		3967.50	-0.40	64 / 0	25.34	24.94	0.312	30.00	-5.06
	QPSK	3712.50	-0.40	1 / 63	25.48	25.08	0.322	30.00	-4.92
		3840.00	-0.40	1 / 32	25.29	24.89	0.308	30.00	-5.11
		3967.50	-0.40	1 / 1	25.28	24.88	0.308	30.00	-5.12
	16-QAM	3712.50	-0.40	1 / 63	24.26	23.86	0.243	30.00	-6.14
	64-QAM	3712.50	-0.40	64 / 0	23.62	23.22	0.210	30.00	-6.78
	256-QAM	3712.50	-0.40	64 / 0	21.62	21.22	0.132	30.00	-8.78
	256-QAM	3712.50	-0.40	64 / 0	21.62	21.22	0.132	30.00	-8.78
30 MHz	π/2 BPSK	3715.02	-0.40	75 / 0	25.46	25.06	0.321	30.00	-4.94
		3840.00	-0.40	1 / 76	25.37	24.97	0.314	30.00	-5.03
		3964.98	-0.40	75 / 0	25.33	24.93	0.311	30.00	-5.07
	QPSK	3715.02	-0.40	1 / 76	25.50	25.10	0.324	30.00	-4.90
		3840.00	-0.40	1 / 76	25.38	24.98	0.315	30.00	-5.02
		3964.98	-0.40	1 / 1	25.40	25.00	0.316	30.00	-5.00
	16-QAM	3715.02	-0.40	1 / 1	24.49	24.09	0.256	30.00	-5.91
	64-QAM	3715.02	-0.40	75 / 0	23.53	23.13	0.206	30.00	-6.87
	256-QAM	3715.02	-0.40	75 / 0	21.53	21.13	0.130	30.00	-8.87
	256-QAM	3715.02	-0.40	75 / 0	21.53	21.13	0.130	30.00	-8.87
40 MHz	π/2 BPSK	3720.00	-0.40	100 / 0	25.48	25.08	0.322	30.00	-4.92
		3840.00	-0.40	100 / 0	25.37	24.97	0.314	30.00	-5.03
		3960.00	-0.40	100 / 0	25.37	24.97	0.314	30.00	-5.03
	QPSK	3720.00	-0.40	1 / 50	25.42	25.02	0.318	30.00	-4.98
		3840.00	-0.40	1 / 104	25.44	25.04	0.319	30.00	-4.96
		3960.00	-0.40	1 / 1	25.42	25.02	0.318	30.00	-4.98
	16-QAM	3720.00	-0.40	1 / 50	24.52	24.12	0.258	30.00	-5.88
	64-QAM	3720.00	-0.40	100 / 0	23.52	23.12	0.205	30.00	-6.88
	256-QAM	3720.00	-0.40	100 / 0	21.52	21.12	0.129	30.00	-8.88
	256-QAM	3720.00	-0.40	100 / 0	21.52	21.12	0.129	30.00	-8.88
50 MHz	π/2 BPSK	3725.01	-0.40	128 / 0	25.44	25.04	0.319	30.00	-4.96
		3840.00	-0.40	128 / 0	25.38	24.98	0.315	30.00	-5.02
		3954.99	-0.40	128 / 0	25.25	24.85	0.305	30.00	-5.15
	QPSK	3725.01	-0.40	1 / 64	25.46	25.06	0.321	30.00	-4.94
		3840.00	-0.40	1 / 64	25.24	24.84	0.305	30.00	-5.16
		3954.99	-0.40	1 / 64	25.26	24.86	0.306	30.00	-5.14
	16-QAM	3725.01	-0.40	1 / 64	24.25	23.85	0.243	30.00	-6.15
	64-QAM	3725.01	-0.40	128 / 0	23.49	23.09	0.204	30.00	-6.91
	256-QAM	3725.01	-0.40	128 / 0	21.51	21.11	0.129	30.00	-8.89
	256-QAM	3725.01	-0.40	128 / 0	21.51	21.11	0.129	30.00	-8.89
60 MHz	π/2 BPSK	3730.02	-0.40	162 / 0	25.42	25.02	0.318	30.00	-4.98
		3840.00	-0.40	162 / 0	25.35	24.95	0.313	30.00	-5.05
		3949.98	-0.40	1 / 1	25.48	25.08	0.322	30.00	-4.92
	QPSK	3730.02	-0.40	1 / 81	25.49	25.09	0.323	30.00	-4.91
		3840.00	-0.40	1 / 160	25.47	25.07	0.321	30.00	-4.93
		3949.98	-0.40	1 / 1	25.43	25.03	0.318	30.00	-4.97
	16-QAM	3949.98	-0.40	1 / 1	24.29	23.89	0.245	30.00	-6.11
	64-QAM	3730.02	-0.40	162 / 0	23.40	23.00	0.200	30.00	-7.00
	256-QAM	3730.02	-0.40	162 / 0	21.41	21.01	0.126	30.00	-8.99
	256-QAM	3730.02	-0.40	162 / 0	21.41	21.01	0.126	30.00	-8.99
70 MHz	π/2 BPSK	3735.00	-0.40	180 / 0	25.42	25.02	0.318	30.00	-4.98
		3840.00	-0.40	180 / 0	25.41	25.01	0.317	30.00	-4.99
		3945.00	-0.40	180 / 0	25.43	25.03	0.318	30.00	-4.97
	QPSK	3735.00	-0.40	1 / 90	25.45	25.05	0.320	30.00	-4.95
		3840.00	-0.40	1 / 90	25.26	24.86	0.306	30.00	-5.14
		3945.00	-0.40	1 / 1	25.49	25.09	0.323	30.00	-4.91
	16-QAM	3735.00	-0.40	1 / 90	24.41	24.01	0.252	30.00	-5.99
	64-QAM	3735.00	-0.40	180 / 0	23.46	23.06	0.202	30.00	-6.94
	256-QAM	3945.00	-0.40	180 / 0	21.48	21.08	0.128	30.00	-8.92
	256-QAM	3945.00	-0.40	180 / 0	21.48	21.08	0.128	30.00	-8.92
80 MHz	π/2 BPSK	3740.01	-0.40	1 / 1	25.33	24.93	0.311	30.00	-5.07
		3840.00	-0.40	216 / 0	25.28	24.88	0.308	30.00	-5.12
		3939.99	-0.40	1 / 1	25.32	24.92	0.310	30.00	-5.08
	QPSK	3740.01	-0.40	1 / 108	25.27	24.87	0.307	30.00	-5.13
		3840.00	-0.40	1 / 108	25.40	25.00	0.316	30.00	-5.00
		3939.99	-0.40	1 / 1	25.50	25.10	0.324	30.00	-4.90
	16-QAM	3939.99	-0.40	1 / 1	24.33	23.93	0.247	30.00	-6.07
	64-QAM	3740.01	-0.40	216 / 0	23.35	22.95	0.197	30.00	-7.05
	256-QAM	3939.99	-0.40	216 / 0	21.35	20.95	0.124	30.00	-9.05
	256-QAM	3939.99	-0.40	216 / 0	21.35	20.95	0.124	30.00	-9.05
90 MHz	π/2 BPSK	3745.02	-0.40	243 / 0	25.49	25.09	0.323	30.00	-4.91
		3840.00	-0.40	243 / 0	25.46	25.06	0.321	30.00	-4.94
		3934.98	-0.40	243 / 0	25.46	25.06	0.321	30.00	-4.94
	QPSK	3745.02	-0.40	1 / 120	25.36	24.96	0.313	30.00	-5.04
		3840.00	-0.40	1 / 243	25.45	25.05	0.320	30.00	-4.95
		3934.98	-0.40	1 / 1	25.42	25.02	0.318	30.00	-4.98
	16-QAM	3934.98	-0.40	1 / 243	24.36	23.96	0.249	30.00	-6.04
	64-QAM	3745.02	-0.40	243 / 0	23.48	23.08	0.203	30.00	-6.92
	256-QAM	3934.98	-0.40	243 / 0	21.49	21.09	0.129	30.00	-8.91
	256-QAM	3934.98	-0.40	243 / 0	21.49	21.09	0.129	30.00	-8.91
100 MHz	π/2 BPSK	3750.00	-0.40	270 / 0	25.47	25.07	0.321	30.00	-4.93
		3840.00	-0.40	270 / 0	25.43	25.03	0.318	30.00	-4.97
		3930.00	-0.40	1 / 135	25.50	25.10	0.324	30.00	-4.90
	QPSK	3750.00	-0.40	1 / 135	25.44	25.04	0.319	30.00	-4.96
		3840.00	-0.40	1 / 135	25.33	24.93	0.311	30.00	-5.07
16-QAM	3930.00	-0.40	1 / 135	25.27	24.87	0.314	30.00	-5.03	
64-QAM	3750.00	-0.40	1 / 135	24.19	23.79	0.231	30.00	-6.21	
256-QAM	3930.00	-0.40	270 / 0	23.50	23.10	0.204	30.00	-6.90	
256-QAM	3930.00	-0.40	270 / 0	23.56	23.16	0.131	30.00	-8.84	

7.6.2 Antenna 2 – 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	n/2 BPSK	3455.01	2.80	24 / 0	25.44	28.24	0.667	30.00	-1.76	
		3500.01	2.80	24 / 0	25.44	28.24	0.667	30.00	-1.76	
		3544.98	2.80	24 / 0	25.42	28.22	0.664	30.00	-1.78	
		3455.01	2.80	1 / 1	25.43	28.23	0.665	30.00	-1.77	
		3500.01	2.80	1 / 1	25.44	28.24	0.667	30.00	-1.76	
	QPSK	3544.98	2.80	1 / 12	25.37	28.17	0.656	30.00	-1.83	
		16-QAM	3500.01	2.80	1 / 1	24.29	27.09	0.512	30.00	-2.91
		64-QAM	3455.01	2.80	24 / 0	23.56	26.36	0.433	30.00	-3.64
		256-QAM	3455.01	2.80	24 / 0	21.56	24.36	0.273	30.00	-5.64
		3457.50	2.80	36 / 0	25.38	28.18	0.658	30.00	-1.82	
15 MHz	n/2 BPSK	3500.01	2.80	1 / 18	25.50	28.30	0.676	30.00	-1.70	
		3542.49	2.80	36 / 0	25.34	28.14	0.652	30.00	-1.86	
		3457.50	2.80	1 / 1	25.40	28.20	0.661	30.00	-1.80	
		3500.01	2.80	1 / 1	25.35	28.15	0.653	30.00	-1.85	
		3542.49	2.80	1 / 36	25.35	28.15	0.653	30.00	-1.85	
	QPSK	16-QAM	3500.01	2.80	1 / 18	24.34	27.14	0.518	30.00	-2.86
		64-QAM	3457.50	2.80	36 / 0	23.45	26.25	0.422	30.00	-3.75
		256-QAM	3457.50	2.80	36 / 0	21.48	24.28	0.268	30.00	-5.72
		3460.02	2.80	50 / 0	25.38	28.18	0.658	30.00	-1.82	
		3500.01	2.80	50 / 0	25.36	28.16	0.655	30.00	-1.84	
20 MHz	n/2 BPSK	3540.00	2.80	50 / 0	25.31	28.11	0.647	30.00	-1.89	
		3460.02	2.80	1 / 49	25.43	28.23	0.665	30.00	-1.77	
		3500.01	2.80	1 / 25	25.37	28.17	0.656	30.00	-1.83	
		3540.00	2.80	1 / 49	25.39	28.19	0.659	30.00	-1.81	
		3500.01	2.80	1 / 25	24.34	27.14	0.518	30.00	-2.86	
	QPSK	16-QAM	3460.02	2.80	50 / 0	23.46	26.26	0.423	30.00	-3.74
		64-QAM	3460.02	2.80	50 / 0	21.50	24.30	0.269	30.00	-5.70
		256-QAM	3460.02	2.80	50 / 0	21.50	24.30	0.269	30.00	-5.70
		3462.51	2.80	64 / 0	25.31	28.11	0.647	30.00	-1.89	
		3500.01	2.80	64 / 0	25.29	28.09	0.644	30.00	-1.91	
25 MHz	n/2 BPSK	3537.48	2.80	64 / 0	25.20	28.00	0.631	30.00	-2.00	
		3462.51	2.80	1 / 32	25.25	28.05	0.638	30.00	-1.95	
		3500.01	2.80	1 / 32	25.23	28.03	0.635	30.00	-1.97	
		3537.48	2.80	1 / 63	25.50	28.30	0.676	30.00	-1.70	
		3462.51	2.80	1 / 63	24.11	26.91	0.491	30.00	-3.09	
	QPSK	16-QAM	3462.51	2.80	64 / 0	23.44	26.24	0.421	30.00	-3.76
		64-QAM	3462.51	2.80	64 / 0	21.44	24.24	0.265	30.00	-5.76
		256-QAM	3462.51	2.80	64 / 0	21.44	24.24	0.265	30.00	-5.76
		3465.00	2.80	75 / 0	25.42	28.22	0.664	30.00	-1.78	
		3500.01	2.80	75 / 0	25.41	28.21	0.662	30.00	-1.79	
30 MHz	n/2 BPSK	3534.99	2.80	1 / 76	25.38	28.18	0.658	30.00	-1.82	
		3465.00	2.80	1 / 1	25.46	28.26	0.670	30.00	-1.74	
		3500.01	2.80	1 / 1	25.44	28.24	0.667	30.00	-1.76	
		3534.99	2.80	1 / 76	25.43	28.23	0.665	30.00	-1.77	
		3465.00	2.80	1 / 76	24.46	27.26	0.532	30.00	-2.74	
	QPSK	16-QAM	3465.00	2.80	75 / 0	23.55	26.35	0.432	30.00	-3.65
		64-QAM	3465.00	2.80	75 / 0	21.49	24.29	0.269	30.00	-5.71
		256-QAM	3465.00	2.80	75 / 0	21.49	24.29	0.269	30.00	-5.71
		3470.01	2.80	100 / 0	25.45	28.25	0.668	30.00	-1.75	
		3500.01	2.80	100 / 0	25.44	28.24	0.667	30.00	-1.76	
40 MHz	n/2 BPSK	3529.98	2.80	100 / 0	25.35	28.15	0.653	30.00	-1.85	
		3470.01	2.80	1 / 1	25.46	28.26	0.670	30.00	-1.74	
		3500.01	2.80	1 / 104	25.43	28.23	0.665	30.00	-1.77	
		3529.98	2.80	1 / 104	25.42	28.22	0.664	30.00	-1.78	
		3470.01	2.80	1 / 104	24.32	27.12	0.515	30.00	-2.88	
	QPSK	16-QAM	3470.01	2.80	100 / 0	23.57	26.37	0.434	30.00	-3.63
		64-QAM	3470.01	2.80	100 / 0	21.53	24.33	0.271	30.00	-5.67
		256-QAM	3475.02	2.80	128 / 0	25.50	28.30	0.676	30.00	-1.70
		3500.01	2.80	128 / 0	25.46	28.26	0.670	30.00	-1.74	
		3525.00	2.80	128 / 0	25.42	28.22	0.664	30.00	-1.78	
50 MHz	n/2 BPSK	3475.02	2.80	1 / 64	25.41	28.21	0.662	30.00	-1.79	
		3500.01	2.80	1 / 64	25.36	28.16	0.655	30.00	-1.84	
		3525.00	2.80	1 / 64	25.37	28.17	0.656	30.00	-1.83	
		16-QAM	3475.02	2.80	1 / 64	24.23	27.03	0.505	30.00	-2.97
		64-QAM	3475.02	2.80	128 / 0	23.62	26.42	0.439	30.00	-3.58
	QPSK	256-QAM	3475.02	2.80	128 / 0	21.54	24.34	0.272	30.00	-5.66
		3480.00	2.80	162 / 0	25.36	28.16	0.655	30.00	-1.84	
		3500.01	2.80	162 / 0	25.38	28.18	0.658	30.00	-1.82	
		3519.99	2.80	162 / 0	25.37	28.17	0.656	30.00	-1.83	
		3480.00	2.80	1 / 81	25.39	28.19	0.659	30.00	-1.81	
60 MHz	n/2 BPSK	3500.01	2.80	1 / 1	25.43	28.23	0.665	30.00	-1.77	
		3519.99	2.80	1 / 160	25.42	28.22	0.664	30.00	-1.78	
		3519.99	2.80	1 / 160	24.42	27.22	0.527	30.00	-2.78	
		16-QAM	3500.01	2.80	162 / 0	23.46	26.26	0.423	30.00	-3.74
		256-QAM	3480.00	2.80	162 / 0	21.43	24.23	0.265	30.00	-5.77
	QPSK	3485.01	2.80	180 / 0	25.36	28.16	0.655	30.00	-1.84	
		3500.01	2.80	180 / 0	25.42	28.22	0.664	30.00	-1.78	
		3514.98	2.80	180 / 0	25.35	28.15	0.653	30.00	-1.85	
		3485.01	2.80	1 / 1	25.33	28.13	0.650	30.00	-1.87	
		3500.01	2.80	1 / 90	25.32	28.12	0.649	30.00	-1.88	
70 MHz	n/2 BPSK	3514.98	2.80	1 / 1	25.38	28.18	0.658	30.00	-1.82	
		16-QAM	3485.01	2.80	1 / 1	24.23	27.03	0.505	30.00	-2.97
		64-QAM	3485.01	2.80	180 / 0	23.46	26.26	0.423	30.00	-3.74
		256-QAM	3485.01	2.80	180 / 0	21.41	24.21	0.264	30.00	-5.79
		3490.02	2.80	216 / 0	25.47	28.27	0.671	30.00	-1.73	
	QPSK	3500.01	2.80	216 / 0	25.39	28.19	0.659	30.00	-1.81	
		3510.00	2.80	216 / 0	25.41	28.21	0.662	30.00	-1.79	
		3490.02	2.80	1 / 108	25.42	28.22	0.664	30.00	-1.78	
		3500.01	2.80	1 / 1	25.41	28.21	0.662	30.00	-1.79	
		3510.00	2.80	1 / 1	25.44	28.24	0.667	30.00	-1.76	
80 MHz	n/2 BPSK	3490.02	2.80	1 / 1	24.47	27.27	0.533	30.00	-2.73	
		64-QAM	3490.02	2.80	216 / 0	23.51	26.31	0.428	30.00	-3.69
		256-QAM	3490.02	2.80	216 / 0	21.51	24.31	0.270	30.00	-5.69
		3495.00	2.80	1 / 120	25.42	28.22	0.664	30.00	-1.78	
		3500.01	2.80	243 / 0	25.42	28.22	0.664	30.00	-1.78	
	QPSK	3504.99	2.80	243 / 0	25.38	28.18	0.658	30.00	-1.82	
		3495.00	2.80	1 / 1	25.36	28.16	0.655	30.00	-1.84	
		3500.01	2.80	1 / 120	25.37	28.17	0.656	30.00	-1.83	
		3504.99	2.80	1 / 243	25.31	28.11	0.647	30.00	-1.89	
		16-QAM	3495.00	2.80	1 / 120	24.31	27.11	0.514	30.00	-2.89
90 MHz	n/2 BPSK	3495.00	2.80	243 / 0	23.41	26.21	0.418	30.00	-3.79	
		256-QAM	3495.00	2.80	243 / 0	21.44	24.24	0.265	30.00	-5.76
		3500.01	2.80	270 / 0	25.41	28.21	0.662	30.00	-1.79	
		QPSK	3500.01	2.80	1 / 135	25.36	28.16	0.655	30.00	-1.84
		16-QAM	3500.01	2.80	1 / 271	24.25	27.05	0.507	30.00	-2.95
	QPSK	64-QAM	3500.01	2.80	270 / 0	23.39	26.19	0.416	30.00	-3.81
		256-QAM	3500.01	2.80	270 / 0	21.41	24.21	0.264	30.00	-5.79
		3495.00	2.80	270 / 0	21.41	24.21	0.264	30.00	-5.79	
		3495.00	2.80	270 / 0	21.41	24.21	0.264	30.00	-5.79	
		3495.00	2.80	270 / 0	21.41	24.21	0.264	30.00	-5.79	

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	2.80	24 / 0	25.48	28.28	0.673	30.00	-1.72
		3500.01	2.80	24 / 0	25.50	28.30	0.676	30.00	-1.70
		3544.98	2.80	24 / 0	25.46	28.26	0.670	30.00	-1.74
	QPSK	3455.01	2.80	1 / 1	25.46	28.26	0.670	30.00	-1.74
		3500.01	2.80	1 / 1	25.45	28.25	0.668	30.00	-1.75
		3544.98	2.80	1 / 22	25.43	28.23	0.665	30.00	-1.77
	16-QAM	3544.98	2.80	1 / 22	24.33	27.13	0.516	30.00	-2.87
	64-QAM	3455.01	2.80	24 / 0	23.59	26.39	0.436	30.00	-3.61
	256-QAM	3455.01	2.80	24 / 0	21.59	24.39	0.275	30.00	-5.61
	256-QAM	3457.50	2.80	36 / 0	25.37	28.17	0.656	30.00	-1.83
15 MHz	π/2 BPSK	3500.01	2.80	36 / 0	25.36	28.16	0.655	30.00	-1.84
		3542.49	2.80	36 / 0	25.37	28.17	0.656	30.00	-1.83
		3457.50	2.80	1 / 1	25.44	28.24	0.667	30.00	-1.76
	QPSK	3500.01	2.80	1 / 1	25.43	28.23	0.665	30.00	-1.77
		3542.49	2.80	1 / 36	25.43	28.23	0.665	30.00	-1.77
		3500.01	2.80	1 / 1	24.46	27.26	0.532	30.00	-2.74
	16-QAM	3500.01	2.80	1 / 1	23.53	26.33	0.430	30.00	-3.67
	64-QAM	3457.50	2.80	36 / 0	23.53	26.33	0.430	30.00	-3.67
	256-QAM	3457.50	2.80	36 / 0	21.52	24.32	0.270	30.00	-5.68
	256-QAM	3460.02	2.80	50 / 0	25.50	28.30	0.676	30.00	-1.70
20 MHz	π/2 BPSK	3500.01	2.80	50 / 0	25.40	28.20	0.661	30.00	-1.80
		3540.00	2.80	50 / 0	25.36	28.16	0.655	30.00	-1.84
		3460.02	2.80	1 / 49	25.45	28.25	0.668	30.00	-1.75
	QPSK	3500.01	2.80	1 / 1	25.43	28.23	0.665	30.00	-1.77
		3540.00	2.80	1 / 49	25.39	28.19	0.659	30.00	-1.81
		3460.02	2.80	1 / 1	24.47	27.27	0.533	30.00	-2.73
	16-QAM	3460.02	2.80	1 / 1	23.49	26.29	0.426	30.00	-3.71
	64-QAM	3460.02	2.80	50 / 0	23.49	26.29	0.426	30.00	-3.71
	256-QAM	3460.02	2.80	50 / 0	21.56	24.36	0.273	30.00	-5.64
	256-QAM	3462.51	2.80	64 / 0	25.47	28.27	0.671	30.00	-1.73
25 MHz	π/2 BPSK	3500.01	2.80	64 / 0	25.43	28.23	0.665	30.00	-1.77
		3537.48	2.80	64 / 0	25.34	28.14	0.652	30.00	-1.86
		3462.51	2.80	1 / 32	25.42	28.22	0.664	30.00	-1.78
	QPSK	3500.01	2.80	1 / 1	25.41	28.21	0.662	30.00	-1.79
		3537.48	2.80	1 / 63	25.33	28.13	0.650	30.00	-1.87
		3462.51	2.80	1 / 32	24.35	27.15	0.519	30.00	-2.85
	16-QAM	3537.48	2.80	1 / 32	23.57	26.37	0.434	30.00	-3.63
	64-QAM	3462.51	2.80	64 / 0	23.57	26.37	0.434	30.00	-3.63
	256-QAM	3462.51	2.80	64 / 0	21.55	24.35	0.272	30.00	-5.65
	256-QAM	3465.00	2.80	1 / 76	25.44	28.24	0.667	30.00	-1.76
30 MHz	π/2 BPSK	3500.01	2.80	1 / 1	25.41	28.21	0.662	30.00	-1.79
		3534.99	2.80	1 / 76	25.33	28.13	0.650	30.00	-1.87
		3465.00	2.80	1 / 76	25.48	28.28	0.673	30.00	-1.72
	QPSK	3500.01	2.80	1 / 1	25.49	28.29	0.675	30.00	-1.71
		3534.99	2.80	1 / 1	25.44	28.24	0.667	30.00	-1.76
		3465.00	2.80	1 / 36	24.40	27.20	0.525	30.00	-2.80
	16-QAM	3465.00	2.80	1 / 36	23.53	26.33	0.430	30.00	-3.67
	64-QAM	3465.00	2.80	75 / 0	23.53	26.33	0.430	30.00	-3.67
	256-QAM	3465.00	2.80	75 / 0	21.50	24.30	0.269	30.00	-5.70
	256-QAM	3470.01	2.80	100 / 0	25.46	28.26	0.670	30.00	-1.74
40 MHz	π/2 BPSK	3500.01	2.80	100 / 0	25.44	28.24	0.667	30.00	-1.76
		3529.98	2.80	1 / 104	25.39	28.19	0.659	30.00	-1.81
		3470.01	2.80	1 / 104	25.48	28.28	0.673	30.00	-1.72
	QPSK	3500.01	2.80	1 / 104	25.46	28.26	0.670	30.00	-1.74
		3529.98	2.80	1 / 104	25.42	28.22	0.664	30.00	-1.78
		3470.01	2.80	1 / 104	24.40	27.20	0.525	30.00	-2.80
	16-QAM	3470.01	2.80	1 / 104	23.50	26.30	0.433	30.00	-3.64
	64-QAM	3470.01	2.80	100 / 0	23.50	26.30	0.433	30.00	-3.64
	256-QAM	3470.01	2.80	100 / 0	21.55	24.35	0.272	30.00	-5.65
	256-QAM	3475.02	2.80	128 / 0	25.47	28.27	0.671	30.00	-1.73
50 MHz	π/2 BPSK	3500.01	2.80	128 / 0	25.29	28.09	0.644	30.00	-1.91
		3525.00	2.80	128 / 0	25.36	28.16	0.655	30.00	-1.84
		3475.02	2.80	1 / 64	25.28	28.08	0.643	30.00	-1.92
	QPSK	3500.01	2.80	1 / 64	25.25	28.05	0.638	30.00	-1.95
		3525.00	2.80	1 / 64	25.23	28.03	0.635	30.00	-1.97
		3475.02	2.80	1 / 1	24.11	26.91	0.491	30.00	-3.09
	16-QAM	3525.00	2.80	1 / 1	23.48	26.28	0.425	30.00	-3.72
	64-QAM	3475.02	2.80	128 / 0	23.48	26.28	0.425	30.00	-3.72
	256-QAM	3475.02	2.80	128 / 0	21.49	24.29	0.269	30.00	-5.71
	256-QAM	3480.00	2.80	162 / 0	25.46	28.26	0.670	30.00	-1.74
60 MHz	π/2 BPSK	3500.01	2.80	162 / 0	25.43	28.23	0.665	30.00	-1.77
		3519.99	2.80	162 / 0	25.42	28.22	0.664	30.00	-1.78
		3480.00	2.80	1 / 1	25.48	28.28	0.673	30.00	-1.72
	QPSK	3500.01	2.80	1 / 160	25.43	28.23	0.665	30.00	-1.77
		3519.99	2.80	1 / 1	25.42	28.22	0.664	30.00	-1.78
		3480.00	2.80	1 / 1	24.41	27.21	0.526	30.00	-2.79
	16-QAM	3519.99	2.80	1 / 1	23.50	26.30	0.427	30.00	-3.70
	64-QAM	3480.00	2.80	162 / 0	23.50	26.30	0.427	30.00	-3.70
	256-QAM	3500.01	2.80	162 / 0	21.47	24.27	0.267	30.00	-5.73
	256-QAM	3485.01	2.80	180 / 0	25.41	28.21	0.662	30.00	-1.79
70 MHz	π/2 BPSK	3500.01	2.80	180 / 0	25.44	28.24	0.667	30.00	-1.76
		3514.98	2.80	180 / 0	25.40	28.20	0.661	30.00	-1.80
		3485.01	2.80	1 / 1	25.42	28.22	0.664	30.00	-1.78
	QPSK	3500.01	2.80	1 / 90	25.42	28.22	0.664	30.00	-1.78
		3514.98	2.80	1 / 187	25.40	28.20	0.661	30.00	-1.80
		3485.01	2.80	1 / 1	24.27	27.07	0.509	30.00	-2.93
	16-QAM	3514.98	2.80	1 / 1	23.51	26.31	0.428	30.00	-3.69
	64-QAM	3485.01	2.80	180 / 0	23.51	26.31	0.428	30.00	-3.69
	256-QAM	3500.01	2.80	180 / 0	21.47	24.27	0.267	30.00	-5.73
	256-QAM	3490.02	2.80	1 / 108	25.45	28.25	0.668	30.00	-1.75
80 MHz	π/2 BPSK	3500.01	2.80	216 / 0	25.43	28.23	0.665	30.00	-1.77
		3510.00	2.80	216 / 0	25.40	28.20	0.661	30.00	-1.80
		3490.02	2.80	1 / 108	25.45	28.25	0.668	30.00	-1.75
	QPSK	3500.01	2.80	1 / 1	25.48	28.28	0.673	30.00	-1.72
		3510.00	2.80	1 / 1	25.48	28.28	0.673	30.00	-1.72
		3490.02	2.80	1 / 1	24.37	27.17	0.521	30.00	-2.83
	16-QAM	3500.01	2.80	1 / 1	23.49	26.29	0.426	30.00	-3.71
	64-QAM	3490.02	2.80	216 / 0	23.49	26.29	0.426	30.00	-3.71
	256-QAM	3490.02	2.80	216 / 0	21.48	24.28	0.268	30.00	-5.72
	256-QAM	3495.00	2.80	243 / 0	25.39	28.19	0.659	30.00	-1.81
	256-QAM	3500.01	2.80	243 / 0	25.41	28.21	0.662	30.00	-1.79
90 MHz	π/2 BPSK	3504.99	2.80	1 / 120	25.45	28.25	0.668	30.00	-1.75
		3495.00	2.80	1 / 120	25.40	28.20	0.675	30.00	-1.71
		3500.01	2.80	1 / 1	25.19	27.99	0.630	30.00	-2.01
	QPSK	3504.99	2.80	1 / 243	25.32	28.12	0.649	30.00	-1.88
		3495.00	2.80	1 / 1	24.30	27.10	0.513	30.00	-2.90
		3500.01	2.80	1 / 1	23.33	26.13	0.410	30.00	-3.87
	16-QAM	3495.00	2.80	243 / 0	21.37	24.17	0.261	30.00	-5.83
	64-QAM	3500.01	2.80	270 / 0	25.40	28.20	0.661	30.00	-1.80
	256-QAM	3500.01	2.80	1 / 1	25.18	27.98	0.628	30.00	-2.02
	256-QAM	3500.01	2.80	1 / 271	24.08	26.88	0.488	30.00	-3.12
	256-QAM	3500.01	2.80	270 / 0	23.31	26.11	0.408	30.00	-3.89
	256-QAM	3500.01	2.80	270 / 0	21.29	24.09	0.256	30.00	-5.91

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

FCC ID: BCGA3462		PART 2
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	1.20	24 / 0	25.35	26.55	0.452	30.00	-3.45
		3840.00	1.20	24 / 0	25.50	26.70	0.468	30.00	-3.30
		3975.00	1.20	24 / 0	25.24	26.44	0.441	30.00	-3.56
	QPSK	3705.00	1.20	1 / 22	25.31	26.51	0.448	30.00	-3.49
		3840.00	1.20	1 / 12	25.34	26.54	0.451	30.00	-3.46
		3975.00	1.20	1 / 12	25.18	26.38	0.435	30.00	-3.62
	16-QAM	3840.00	1.20	1 / 1	24.16	25.36	0.344	30.00	-4.64
		64-QAM	3840.00	1.20	24 / 0	23.52	24.72	0.296	30.00
	256-QAM	3840.00	1.20	24 / 0	21.43	22.63	0.183	30.00	-7.37
	15 MHz	π/2 BPSK	3707.51	1.20	1 / 18	25.37	26.57	0.454	30.00
3840.00			1.20	36 / 0	25.41	26.61	0.458	30.00	-3.39
3972.50			1.20	36 / 0	25.21	26.41	0.438	30.00	-3.59
QPSK		3707.51	1.20	1 / 36	25.49	26.69	0.467	30.00	-3.31
		3840.00	1.20	1 / 1	25.46	26.66	0.463	30.00	-3.34
		3972.50	1.20	1 / 1	25.30	26.50	0.447	30.00	-3.50
16-QAM		3707.51	1.20	1 / 36	24.47	25.67	0.369	30.00	-4.33
		64-QAM	3840.00	1.20	36 / 0	23.62	24.82	0.303	30.00
256-QAM		3840.00	1.20	36 / 0	21.61	22.81	0.191	30.00	-7.19
20 MHz		π/2 BPSK	3710.01	1.20	50 / 0	25.36	26.56	0.453	30.00
	3840.00		1.20	50 / 0	25.49	26.69	0.467	30.00	-3.31
	3969.99		1.20	50 / 0	25.22	26.42	0.439	30.00	-3.58
	QPSK	3710.01	1.20	1 / 25	25.37	26.57	0.454	30.00	-3.43
		3840.00	1.20	1 / 25	25.38	26.58	0.455	30.00	-3.42
		3969.99	1.20	1 / 49	25.16	26.36	0.433	30.00	-3.64
	16-QAM	3710.01	1.20	1 / 1	24.30	25.50	0.355	30.00	-4.50
		64-QAM	3840.00	1.20	50 / 0	23.54	24.74	0.298	30.00
	256-QAM	3840.00	1.20	50 / 0	21.72	22.92	0.196	30.00	-7.08
	25 MHz	π/2 BPSK	3712.50	1.20	64 / 0	25.42	26.62	0.459	30.00
3840.00			1.20	64 / 0	25.47	26.67	0.465	30.00	-3.33
3967.50			1.20	64 / 0	25.23	26.43	0.440	30.00	-3.57
QPSK		3712.50	1.20	1 / 63	25.42	26.62	0.459	30.00	-3.38
		3840.00	1.20	1 / 32	25.35	26.55	0.452	30.00	-3.45
		3967.50	1.20	1 / 1	25.13	26.33	0.430	30.00	-3.67
16-QAM		3840.00	1.20	64 / 0	23.51	24.71	0.300	30.00	-5.29
		64-QAM	3840.00	1.20	64 / 0	23.57	24.77	0.300	30.00
256-QAM		3840.00	1.20	64 / 0	21.50	22.70	0.186	30.00	-7.30
30 MHz		π/2 BPSK	3715.02	1.20	1 / 76	25.41	26.61	0.458	30.00
	3840.00		1.20	75 / 0	25.37	26.57	0.454	30.00	-3.43
	3964.98		1.20	75 / 0	25.17	26.37	0.434	30.00	-3.63
	QPSK	3715.02	1.20	1 / 76	25.44	26.64	0.461	30.00	-3.36
		3840.00	1.20	1 / 36	25.31	26.51	0.448	30.00	-3.49
		3964.98	1.20	1 / 1	25.20	26.40	0.437	30.00	-3.60
	16-QAM	3715.02	1.20	1 / 76	24.43	25.63	0.366	30.00	-4.37
		64-QAM	3840.00	1.20	75 / 0	23.54	24.74	0.298	30.00
	256-QAM	3840.00	1.20	75 / 0	21.50	22.70	0.186	30.00	-7.30
	40 MHz	π/2 BPSK	3720.00	1.20	100 / 0	25.40	26.60	0.457	30.00
3840.00			1.20	100 / 0	25.45	26.65	0.462	30.00	-3.35
3960.00			1.20	100 / 0	25.15	26.35	0.432	30.00	-3.65
QPSK		3720.00	1.20	1 / 50	25.50	26.70	0.468	30.00	-3.30
		3840.00	1.20	1 / 1	25.29	26.49	0.446	30.00	-3.51
		3960.00	1.20	1 / 1	25.07	26.27	0.424	30.00	-3.73
16-QAM		3720.00	1.20	1 / 104	24.20	25.40	0.347	30.00	-4.60
		64-QAM	3720.00	1.20	100 / 0	23.36	24.56	0.286	30.00
256-QAM		3840.00	1.20	100 / 0	21.42	22.62	0.183	30.00	-7.38
50 MHz		π/2 BPSK	3725.01	1.20	128 / 0	25.47	26.67	0.465	30.00
	3840.00		1.20	128 / 0	25.39	26.59	0.456	30.00	-3.41
	3954.99		1.20	128 / 0	25.35	26.55	0.452	30.00	-3.45
	QPSK	3725.01	1.20	1 / 64	25.38	26.58	0.455	30.00	-3.42
		3840.00	1.20	1 / 64	25.34	26.54	0.451	30.00	-3.46
		3954.99	1.20	1 / 64	25.06	26.26	0.423	30.00	-3.74
	16-QAM	3725.01	1.20	1 / 64	24.28	25.48	0.353	30.00	-4.52
		64-QAM	3840.00	1.20	128 / 0	23.44	24.64	0.291	30.00
	256-QAM	3725.01	1.20	128 / 0	21.48	22.68	0.185	30.00	-7.32
	60 MHz	π/2 BPSK	3730.02	1.20	162 / 0	25.46	26.66	0.463	30.00
3840.00			1.20	162 / 0	25.39	26.59	0.456	30.00	-3.41
3949.98			1.20	1 / 1	25.31	26.51	0.448	30.00	-3.49
QPSK		3730.02	1.20	1 / 81	25.46	26.66	0.463	30.00	-3.34
		3840.00	1.20	1 / 1	25.39	26.59	0.456	30.00	-3.41
		3949.98	1.20	1 / 1	25.35	26.55	0.452	30.00	-3.45
16-QAM		3730.02	1.20	1 / 81	24.25	25.45	0.351	30.00	-4.55
		64-QAM	3730.02	1.20	162 / 0	23.45	24.65	0.292	30.00
256-QAM		3730.02	1.20	162 / 0	21.43	22.63	0.183	30.00	-7.37
70 MHz		π/2 BPSK	3735.00	1.20	180 / 0	25.48	26.68	0.466	30.00
	3840.00		1.20	180 / 0	25.44	26.64	0.461	30.00	-3.36
	3945.00		1.20	1 / 1	25.39	26.59	0.456	30.00	-3.41
	QPSK	3735.00	1.20	1 / 1	25.39	26.59	0.456	30.00	-3.41
		3840.00	1.20	1 / 90	25.45	26.65	0.462	30.00	-3.35
		3945.00	1.20	1 / 1	25.47	26.67	0.465	30.00	-3.33
	16-QAM	3840.00	1.20	1 / 90	24.36	25.56	0.360	30.00	-4.44
		64-QAM	3840.00	1.20	180 / 0	23.61	24.81	0.303	30.00
	256-QAM	3840.00	1.20	180 / 0	21.58	22.78	0.190	30.00	-7.22
	80 MHz	π/2 BPSK	3740.01	1.20	216 / 0	25.30	26.50	0.447	30.00
3840.00			1.20	216 / 0	25.41	26.61	0.458	30.00	-3.39
3939.99			1.20	1 / 1	25.20	26.40	0.437	30.00	-3.60
QPSK		3740.01	1.20	1 / 108	25.21	26.41	0.438	30.00	-3.59
		3840.00	1.20	1 / 1	25.49	26.69	0.467	30.00	-3.31
		3939.99	1.20	1 / 1	25.36	26.56	0.453	30.00	-3.44
16-QAM		3840.00	1.20	1 / 1	24.20	25.40	0.347	30.00	-4.60
		64-QAM	3840.00	1.20	216 / 0	23.43	24.63	0.290	30.00
256-QAM		3840.00	1.20	216 / 0	21.46	22.66	0.185	30.00	-7.34
90 MHz		π/2 BPSK	3745.02	1.20	243 / 0	25.22	26.42	0.439	30.00
	3840.00		1.20	1 / 243	25.40	26.60	0.457	30.00	-3.40
	3934.98		1.20	1 / 1	25.23	26.43	0.440	30.00	-3.57
	QPSK	3745.02	1.20	1 / 120	25.31	26.51	0.448	30.00	-3.49
		3840.00	1.20	1 / 120	25.38	26.58	0.455	30.00	-3.42
		3934.98	1.20	1 / 1	25.47	26.67	0.465	30.00	-3.33
	16-QAM	3840.00	1.20	1 / 243	24.33	25.53	0.357	30.00	-4.47
		64-QAM	3840.00	1.20	243 / 0	23.37	24.57	0.286	30.00
	256-QAM	3840.00	1.20	243 / 0	21.44	22.64	0.184	30.00	-7.36
	100 MHz	π/2 BPSK	3750.00	1.20	270 / 0	25.28	26.48	0.445	30.00
3840.00			1.20	270 / 0	25.49	26.69	0.467	30.00	-3.31
3930.00			1.20	270 / 0	25.27	26.47	0.444	30.00	-3.53
QPSK		3750.00	1.20	1 / 135	25.16	26.36	0.433	30.00	-3.64
		3840.00	1.20	1 / 135	25.47	26.67	0.465	30.00	-3.33
		3930.00	1.20	1 / 1	25.34	26.54	0.451	30.00	-3.46
16-QAM		3840.00	1.20	1 / 135	24.19	25.39	0.346	30.00	-4.61
		64-QAM	3840.00	1.20	270 / 0	23.52	24.72	0.296	30.00
256-QAM		3840.00	1.20	270 / 0	21.53	22.73	0.187	30.00	-7.27

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	
10 MHz	π/2 BPSK	3705.00	1.20	24 / 0	25.25	26.45	0.442	30.00	-3.55	
		3840.00	1.20	24 / 0	25.43	26.63	0.460	30.00	-3.37	
		3975.00	1.20	24 / 0	25.20	26.40	0.437	30.00	-3.60	
		3705.00	1.20	1 / 22	25.24	26.44	0.441	30.00	-3.56	
	QPSK	3840.00	1.20	1 / 12	25.42	26.62	0.459	30.00	-3.38	
		3975.00	1.20	1 / 1	25.14	26.34	0.431	30.00	-3.66	
		16-QAM	3840.00	1.20	1 / 1	24.24	25.44	0.350	30.00	-4.56
		64-QAM	3840.00	1.20	24 / 0	23.56	24.76	0.299	30.00	-5.24
	256-QAM	3840.00	1.20	24 / 0	21.51	22.71	0.187	30.00	-7.29	
	15 MHz	π/2 BPSK	3707.51	1.20	36 / 0	25.26	26.46	0.443	30.00	-3.54
3840.00			1.20	36 / 0	25.42	26.62	0.459	30.00	-3.38	
3972.50			1.20	36 / 0	25.18	26.38	0.435	30.00	-3.62	
3707.51			1.20	1 / 36	25.31	26.51	0.448	30.00	-3.49	
QPSK		3840.00	1.20	1 / 18	25.48	26.68	0.466	30.00	-3.32	
		3972.50	1.20	1 / 36	25.09	26.29	0.426	30.00	-3.71	
		16-QAM	3840.00	1.20	1 / 36	24.35	25.55	0.359	30.00	-4.45
		64-QAM	3840.00	1.20	36 / 0	23.49	24.69	0.294	30.00	-5.51
256-QAM		3840.00	1.20	36 / 0	21.50	22.70	0.186	30.00	-7.30	
20 MHz		π/2 BPSK	3710.01	1.20	1 / 49	25.35	26.55	0.452	30.00	-3.45
	3840.00		1.20	50 / 0	25.39	26.59	0.456	30.00	-3.41	
	3969.99		1.20	50 / 0	25.18	26.38	0.435	30.00	-3.62	
	3710.01		1.20	1 / 49	25.36	26.56	0.453	30.00	-3.44	
	QPSK	3840.00	1.20	1 / 25	25.41	26.61	0.458	30.00	-3.39	
		3969.99	1.20	1 / 25	25.07	26.27	0.424	30.00	-3.73	
		16-QAM	3710.01	1.20	1 / 1	24.33	25.53	0.357	30.00	-4.47
		64-QAM	3840.00	1.20	50 / 0	23.46	24.66	0.292	30.00	-5.54
	256-QAM	3840.00	1.20	50 / 0	21.53	22.73	0.187	30.00	-7.27	
	25 MHz	π/2 BPSK	3712.50	1.20	64 / 0	25.36	26.56	0.453	30.00	-3.44
3840.00			1.20	64 / 0	25.48	26.68	0.466	30.00	-3.32	
3967.50			1.20	64 / 0	25.24	26.44	0.441	30.00	-3.56	
3712.50			1.20	1 / 63	25.37	26.57	0.454	30.00	-3.43	
QPSK		3840.00	1.20	1 / 32	25.39	26.59	0.456	30.00	-3.41	
		3967.50	1.20	1 / 1	25.04	26.24	0.421	30.00	-3.76	
		16-QAM	3840.00	1.20	1 / 32	24.21	25.41	0.348	30.00	-4.59
		64-QAM	3840.00	1.20	64 / 0	23.56	24.76	0.299	30.00	-5.24
256-QAM		3840.00	1.20	64 / 0	21.58	22.78	0.190	30.00	-7.22	
30 MHz		π/2 BPSK	3715.02	1.20	1 / 76	25.39	26.59	0.456	30.00	-3.41
	3840.00		1.20	75 / 0	25.41	26.61	0.458	30.00	-3.39	
	3964.98		1.20	75 / 0	25.18	26.38	0.435	30.00	-3.62	
	3715.02		1.20	1 / 76	25.48	26.68	0.466	30.00	-3.32	
	QPSK	3840.00	1.20	1 / 1	25.36	26.56	0.453	30.00	-3.44	
		3964.98	1.20	1 / 1	25.16	26.36	0.433	30.00	-3.64	
		16-QAM	3715.02	1.20	1 / 76	24.30	25.50	0.355	30.00	-4.50
		64-QAM	3840.00	1.20	75 / 0	23.53	24.73	0.297	30.00	-5.27
	256-QAM	3840.00	1.20	75 / 0	21.47	22.67	0.185	30.00	-7.33	
	40 MHz	π/2 BPSK	3720.00	1.20	100 / 0	25.31	26.51	0.448	30.00	-3.49
3840.00			1.20	100 / 0	25.35	26.55	0.452	30.00	-3.45	
3960.00			1.20	100 / 0	25.05	26.25	0.422	30.00	-3.75	
3720.00			1.20	1 / 104	25.47	26.67	0.465	30.00	-3.33	
QPSK		3840.00	1.20	1 / 50	25.27	26.47	0.444	30.00	-3.53	
		3960.00	1.20	1 / 104	25.13	26.33	0.430	30.00	-3.67	
		16-QAM	3840.00	1.20	1 / 50	24.16	25.36	0.344	30.00	-4.64
		64-QAM	3840.00	1.20	100 / 0	23.42	24.62	0.290	30.00	-5.58
256-QAM		3840.00	1.20	100 / 0	21.42	22.62	0.183	30.00	-7.38	
50 MHz		π/2 BPSK	3725.01	1.20	128 / 0	25.31	26.51	0.448	30.00	-3.49
	3840.00		1.20	128 / 0	25.50	26.70	0.468	30.00	-3.30	
	3954.99		1.20	128 / 0	25.07	26.27	0.424	30.00	-3.73	
	3725.01		1.20	1 / 64	25.36	26.56	0.453	30.00	-3.44	
	QPSK	3840.00	1.20	1 / 64	25.28	26.48	0.445	30.00	-3.52	
		3954.99	1.20	1 / 64	25.10	26.30	0.427	30.00	-3.70	
		16-QAM	3840.00	1.20	1 / 1	24.15	25.35	0.343	30.00	-4.65
		64-QAM	3840.00	1.20	128 / 0	23.46	24.66	0.292	30.00	-5.54
	256-QAM	3840.00	1.20	128 / 0	21.44	22.64	0.184	30.00	-7.36	
	60 MHz	π/2 BPSK	3730.02	1.20	162 / 0	25.42	26.62	0.459	30.00	-3.38
3840.00			1.20	162 / 0	25.46	26.66	0.463	30.00	-3.34	
3949.98			1.20	1 / 1	25.22	26.42	0.439	30.00	-3.58	
3730.02			1.20	1 / 81	25.36	26.56	0.453	30.00	-3.44	
QPSK		3840.00	1.20	1 / 81	25.42	26.62	0.459	30.00	-3.38	
		3949.98	1.20	1 / 1	25.22	26.42	0.439	30.00	-3.58	
		16-QAM	3730.02	1.20	1 / 81	24.32	25.52	0.356	30.00	-4.48
		64-QAM	3840.00	1.20	162 / 0	23.51	24.71	0.296	30.00	-5.29
256-QAM		3840.00	1.20	162 / 0	21.50	22.70	0.186	30.00	-7.30	
70 MHz		π/2 BPSK	3735.00	1.20	180 / 0	25.33	26.53	0.450	30.00	-3.47
	3840.00		1.20	180 / 0	25.46	26.66	0.463	30.00	-3.34	
	3945.00		1.20	1 / 1	25.16	26.36	0.433	30.00	-3.64	
	3735.00		1.20	1 / 90	25.25	26.45	0.442	30.00	-3.55	
	QPSK	3840.00	1.20	1 / 1	25.25	26.45	0.442	30.00	-3.55	
		3945.00	1.20	1 / 1	25.32	26.52	0.449	30.00	-3.48	
		16-QAM	3840.00	1.20	1 / 90	24.30	25.50	0.355	30.00	-4.50
		64-QAM	3840.00	1.20	180 / 0	23.53	24.73	0.297	30.00	-5.27
	256-QAM	3840.00	1.20	180 / 0	21.47	22.67	0.185	30.00	-7.33	
	80 MHz	π/2 BPSK	3740.01	1.20	216 / 0	25.36	26.56	0.453	30.00	-3.44
3840.00			1.20	216 / 0	25.46	26.66	0.463	30.00	-3.34	
3939.99			1.20	1 / 1	25.26	26.46	0.443	30.00	-3.54	
3740.01			1.20	1 / 108	25.26	26.46	0.443	30.00	-3.54	
QPSK		3840.00	1.20	1 / 108	25.43	26.63	0.460	30.00	-3.37	
		3939.99	1.20	1 / 1	25.28	26.48	0.445	30.00	-3.52	
		16-QAM	3840.00	1.20	1 / 108	24.31	25.51	0.356	30.00	-4.49
		64-QAM	3740.01	1.20	216 / 0	23.45	24.65	0.292	30.00	-5.55
256-QAM		3840.00	1.20	216 / 0	21.49	22.69	0.186	30.00	-7.31	
90 MHz		π/2 BPSK	3745.02	1.20	243 / 0	25.31	26.51	0.448	30.00	-3.49
	3840.00		1.20	243 / 0	25.48	26.68	0.466	30.00	-3.32	
	3934.98		1.20	1 / 1	25.25	26.45	0.442	30.00	-3.55	
	3745.02		1.20	1 / 1	25.16	26.36	0.433	30.00	-3.64	
	QPSK	3840.00	1.20	1 / 1	25.39	26.59	0.456	30.00	-3.41	
		3934.98	1.20	1 / 1	25.34	26.54	0.451	30.00	-3.46	
		16-QAM	3840.00	1.20	1 / 243	24.29	25.49	0.354	30.00	-4.51
		64-QAM	3840.00	1.20	243 / 0	23.41	24.61	0.289	30.00	-5.59
	256-QAM	3840.00	1.20	243 / 0	21.47	22.67	0.185	30.00	-7.33	
	100 MHz	π/2 BPSK	3750.00	1.20	270 / 0	25.27	26.47	0.444	30.00	-3.53
3840.00			1.20	270 / 0	25.48	26.68	0.466	30.00	-3.32	
3930.00			1.20	270 / 0	25.20	26.40	0.437	30.00	-3.60	
3750.00			1.20	1 / 135	25.37	26.57	0.454	30.00	-3.43	
QPSK		3840.00	1.20	1 / 135	25.38	26.58	0.455	30.00	-3.42	
		3930.00	1.20	1 / 135	25.28	26.48	0.445	30.00	-3.51	
		16-QAM	3840.00	1.20	1 / 135	24.44	25.64	0.368	30.00	-4.36
		64-QAM	3840.00	1.20	270 / 0	23.50	24.70	0.295	30.00	-5.30
256-QAM		3840.00	1.20	270 / 0	21.54	22.74	0.188	30.00	-7.26	

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	n/2 BPSK	3455.01	1.90	24 / 0	26.73	28.63	0.729	30.00	-1.37	
		3500.01	1.90	24 / 0	26.86	28.76	0.752	30.00	-1.24	
		3544.98	1.90	24 / 0	26.99	28.89	0.774	30.00	-1.11	
		3455.01	1.90	1 / 22	26.74	28.64	0.731	30.00	-1.36	
		3500.01	1.90	1 / 22	26.81	28.71	0.743	30.00	-1.29	
	QPSK	3544.98	1.90	1 / 1	26.94	28.84	0.766	30.00	-1.16	
		16-QAM	3544.98	1.90	1 / 1	25.75	27.65	0.582	30.00	-2.35
		64-QAM	3544.98	1.90	24 / 0	25.10	27.00	0.501	30.00	-3.00
		256-QAM	3544.98	1.90	24 / 0	23.08	24.98	0.315	30.00	-5.02
		3457.50	1.90	1 / 1	26.89	28.79	0.757	30.00	-1.21	
15 MHz	n/2 BPSK	3500.01	1.90	36 / 0	26.78	28.68	0.738	30.00	-1.32	
		3542.49	1.90	36 / 0	26.95	28.85	0.767	30.00	-1.15	
		3457.50	1.90	1 / 36	26.68	28.58	0.721	30.00	-1.42	
		3500.01	1.90	1 / 36	26.84	28.74	0.748	30.00	-1.26	
		3542.49	1.90	1 / 18	26.89	28.79	0.757	30.00	-1.21	
	QPSK	3542.49	1.90	1 / 36	25.78	27.68	0.586	30.00	-2.32	
		64-QAM	3542.49	1.90	36 / 0	25.00	26.90	0.490	30.00	-3.10
		256-QAM	3542.49	1.90	36 / 0	23.02	24.92	0.310	30.00	-5.08
	n/2 BPSK	3460.02	1.90	1 / 49	26.74	28.64	0.731	30.00	-1.36	
		3500.01	1.90	50 / 0	26.80	28.70	0.741	30.00	-1.30	
20 MHz	n/2 BPSK	3540.00	1.90	50 / 0	26.92	28.82	0.762	30.00	-1.18	
		3460.02	1.90	1 / 49	26.72	28.62	0.728	30.00	-1.38	
		3500.01	1.90	1 / 49	26.87	28.77	0.753	30.00	-1.23	
		3540.00	1.90	1 / 1	26.91	28.81	0.760	30.00	-1.19	
		16-QAM	3540.00	1.90	1 / 1	25.89	27.79	0.601	30.00	-2.21
	QPSK	64-QAM	3540.00	1.90	50 / 0	24.96	26.86	0.485	30.00	-3.14
		256-QAM	3540.00	1.90	50 / 0	23.05	24.95	0.313	30.00	-5.05
	n/2 BPSK	3462.51	1.90	64 / 0	26.81	28.71	0.743	30.00	-1.29	
		3500.01	1.90	64 / 0	26.84	28.74	0.748	30.00	-1.26	
		3537.48	1.90	64 / 0	26.97	28.87	0.771	30.00	-1.13	
25 MHz	n/2 BPSK	3462.51	1.90	1 / 32	26.65	28.55	0.716	30.00	-1.45	
		3500.01	1.90	1 / 63	26.79	28.69	0.740	30.00	-1.31	
		3537.48	1.90	1 / 32	26.83	28.73	0.746	30.00	-1.27	
		16-QAM	3537.48	1.90	1 / 1	25.74	27.64	0.581	30.00	-2.36
		64-QAM	3537.48	1.90	64 / 0	25.05	26.95	0.495	30.00	-3.05
	QPSK	256-QAM	3537.48	1.90	64 / 0	23.07	24.97	0.314	30.00	-5.03
		3465.00	1.90	75 / 0	26.74	28.64	0.731	30.00	-1.36	
		3500.01	1.90	1 / 76	26.90	28.80	0.759	30.00	-1.20	
		3534.99	1.90	75 / 0	26.92	28.82	0.762	30.00	-1.18	
		16-QAM	3465.00	1.90	1 / 76	26.74	28.64	0.731	30.00	-1.36
30 MHz	n/2 BPSK	3500.01	1.90	1 / 76	26.83	28.73	0.764	30.00	-1.17	
		3534.99	1.90	1 / 1	26.97	28.87	0.771	30.00	-1.13	
		16-QAM	3534.99	1.90	1 / 1	25.79	27.69	0.587	30.00	-2.31
		64-QAM	3534.99	1.90	75 / 0	25.01	26.91	0.491	30.00	-3.09
		256-QAM	3534.99	1.90	75 / 0	23.05	24.95	0.313	30.00	-5.05
	QPSK	3470.01	1.90	100 / 0	26.82	28.72	0.745	30.00	-1.28	
		3500.01	1.90	1 / 104	26.92	28.82	0.762	30.00	-1.18	
		3529.98	1.90	100 / 0	26.94	28.84	0.766	30.00	-1.16	
		3470.01	1.90	1 / 104	26.78	28.68	0.738	30.00	-1.32	
		16-QAM	3500.01	1.90	1 / 104	27.00	28.90	0.776	30.00	-1.10
40 MHz	n/2 BPSK	3529.98	1.90	1 / 1	26.91	28.81	0.760	30.00	-1.19	
		3500.01	1.90	1 / 104	25.80	27.70	0.589	30.00	-2.30	
		16-QAM	3529.98	1.90	100 / 0	25.00	26.90	0.490	30.00	-3.10
		256-QAM	3529.98	1.90	100 / 0	22.97	24.87	0.307	30.00	-5.13
		3475.02	1.90	128 / 0	26.85	28.75	0.750	30.00	-1.25	
	QPSK	3500.01	1.90	128 / 0	26.78	28.68	0.738	30.00	-1.32	
		3525.00	1.90	128 / 0	26.96	28.86	0.769	30.00	-1.14	
		3475.02	1.90	1 / 64	26.71	28.61	0.726	30.00	-1.39	
		3500.01	1.90	1 / 131	26.77	28.67	0.736	30.00	-1.33	
		16-QAM	3525.00	1.90	1 / 64	26.92	28.82	0.762	30.00	-1.18
50 MHz	n/2 BPSK	3525.00	1.90	1 / 64	25.73	27.63	0.579	30.00	-2.37	
		64-QAM	3525.00	1.90	128 / 0	25.12	27.02	0.504	30.00	-2.98
		256-QAM	3525.00	1.90	128 / 0	23.09	24.99	0.316	30.00	-5.01
		3480.00	1.90	1 / 160	26.79	28.69	0.740	30.00	-1.31	
		3500.01	1.90	1 / 160	26.81	28.71	0.743	30.00	-1.29	
	QPSK	3519.99	1.90	162 / 0	26.94	28.84	0.766	30.00	-1.16	
		3480.00	1.90	1 / 160	26.86	28.76	0.752	30.00	-1.24	
		3500.01	1.90	1 / 160	26.98	28.88	0.773	30.00	-1.12	
		3519.99	1.90	1 / 81	26.96	28.86	0.769	30.00	-1.14	
		16-QAM	3500.01	1.90	1 / 160	25.68	27.58	0.573	30.00	-2.42
60 MHz	n/2 BPSK	3519.99	1.90	162 / 0	24.96	26.86	0.485	30.00	-3.14	
		256-QAM	3519.99	1.90	162 / 0	22.98	24.88	0.308	30.00	-5.12
		3485.01	1.90	1 / 187	26.88	28.78	0.755	30.00	-1.22	
		3500.01	1.90	180 / 0	26.69	28.59	0.723	30.00	-1.41	
		3514.98	1.90	180 / 0	26.92	28.82	0.762	30.00	-1.18	
	QPSK	3485.01	1.90	1 / 187	26.89	28.79	0.757	30.00	-1.21	
		3500.01	1.90	1 / 187	26.81	28.71	0.743	30.00	-1.29	
		3514.98	1.90	1 / 90	26.84	28.74	0.748	30.00	-1.26	
		16-QAM	3485.01	1.90	1 / 187	26.02	27.92	0.619	30.00	-2.08
		64-QAM	3514.98	1.90	180 / 0	24.92	26.82	0.481	30.00	-3.18
70 MHz	n/2 BPSK	256-QAM	3514.98	1.90	180 / 0	22.89	24.79	0.301	30.00	-5.21
		3490.02	1.90	216 / 0	26.77	28.67	0.736	30.00	-1.33	
		3500.01	1.90	1 / 215	26.89	28.79	0.757	30.00	-1.21	
		3510.00	1.90	216 / 0	26.87	28.77	0.753	30.00	-1.23	
		3490.02	1.90	1 / 215	27.00	28.90	0.776	30.00	-1.10	
	QPSK	3500.01	1.90	1 / 215	26.99	28.89	0.774	30.00	-1.11	
		3510.00	1.90	1 / 108	26.77	28.67	0.736	30.00	-1.33	
		16-QAM	3490.02	1.90	1 / 215	25.71	27.61	0.577	30.00	-2.39
		64-QAM	3510.00	1.90	216 / 0	24.88	26.78	0.476	30.00	-3.22
		256-QAM	3510.00	1.90	216 / 0	22.88	24.78	0.301	30.00	-5.22
80 MHz	n/2 BPSK	3495.00	1.90	243 / 0	26.74	28.64	0.731	30.00	-1.36	
		3500.01	1.90	1 / 243	26.78	28.68	0.738	30.00	-1.32	
		3504.99	1.90	243 / 0	26.79	28.69	0.740	30.00	-1.31	
		16-QAM	3495.00	1.90	1 / 243	26.80	28.70	0.741	30.00	-1.30
		3500.01	1.90	1 / 243	26.77	28.67	0.736	30.00	-1.33	
	QPSK	3504.99	1.90	1 / 243	26.99	28.89	0.774	30.00	-1.11	
		16-QAM	3500.01	1.90	1 / 243	25.71	27.61	0.577	30.00	-2.39
		64-QAM	3504.99	1.90	243 / 0	24.79	26.69	0.467	30.00	-3.31
		256-QAM	3504.99	1.90	243 / 0	22.84	24.74	0.298	30.00	-5.26
		3500.01	1.90	1 / 271	26.77	28.67	0.736	30.00	-1.33	
90 MHz	n/2 BPSK	3500.01	1.90	1 / 271	26.76	28.66	0.735	30.00	-1.34	
		16-QAM	3500.01	1.90	1 / 271	25.70	27.60	0.575	30.00	-2.40
		64-QAM	3500.01	1.90	270 / 0	24.70	26.60	0.457	30.00	-3.40
		256-QAM	3500.01	1.90	270 / 0	22.71	24.61	0.289	30.00	-5.39
		3500.01	1.90	1 / 271	26.77	28.67	0.736	30.00	-1.33	
	QPSK	3504.99	1.90	1 / 243	26.99	28.89	0.774	30.00	-1.11	
		16-QAM	3500.01	1.90	1 / 243	25.71	27.61	0.577	30.00	-2.39
		64-QAM	3504.99	1.90	243 / 0	24.79	26.69	0.467	30.00	-3.31
		256-QAM	3504.99	1.90	243 / 0	22.84	24.74	0.298	30.00	-5.26
		3500.01	1.90	1 / 271	26.77	28.67	0.736	30.00	-1.33	
100 MHz	n/2 BPSK	3500.01	1.90	1 / 271	26.76	28.66	0.735	30.00	-1.34	
		16-QAM	3500.01	1.90	1 / 271	25.70	27.60	0.575	30.00	-2.40
		64-QAM	3500.01	1.90	270 / 0	24.70	26.60	0.457	30.00	-3.40
		256-QAM	3500.01	1.90	270 / 0	22.71	24.61	0.289	30.00	-5.39
		3500.01	1.90	1 / 271	26.77	28.67	0.736	30.00	-1.33	
	QPSK	3504.99	1.90	1 / 243	26.99	28.89	0.774	30.00	-1.11	
		16-QAM	3500.01	1.90	1 / 243	25.71	27.61	0.577	30.00	-2.39
		64-QAM	3504.99	1.90	243 / 0	24.79	26.69	0.467	30.00	-3.31
		256-QAM	3504.99	1.90	243 / 0	22.84	24.74	0.298	30.00	-5.26
		3500.01	1.90	1 / 271	26.77	28.67	0.736	30.00	-1.33	

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

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100082-11-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 234 of 258

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]		
10 MHz	π/2 BPSK	3455.01	1.90	24 / 0	25.25	27.15	0.519	30.00	-2.85		
		3500.01	1.90	24 / 0	25.40	27.30	0.537	30.00	-2.70		
		3544.98	1.90	24 / 0	25.49	27.39	0.548	30.00	-2.61		
		3455.01	1.90	1 / 22	25.20	27.10	0.513	30.00	-2.90		
		3500.01	1.90	1 / 22	25.35	27.25	0.531	30.00	-2.75		
	QPSK	3544.98	1.90	1 / 1	25.43	27.33	0.541	30.00	-2.67		
		3544.98	1.90	1 / 12	24.22	26.12	0.409	30.00	-3.88		
		64-QAM	3544.98	1.90	24 / 0	23.59	25.49	0.354	30.00	-4.51	
		256-QAM	3544.98	1.90	24 / 0	21.56	23.46	0.222	30.00	-6.54	
		256-QAM	3457.50	1.90	36 / 0	25.23	27.13	0.516	30.00	-2.87	
15 MHz	π/2 BPSK	3500.01	1.90	1 / 36	25.31	27.21	0.526	30.00	-2.79		
		3542.49	1.90	36 / 0	25.44	27.34	0.542	30.00	-2.66		
		3457.50	1.90	1 / 36	25.22	27.12	0.515	30.00	-2.88		
		3500.01	1.90	1 / 36	25.37	27.27	0.533	30.00	-2.73		
		3542.49	1.90	1 / 1	25.45	27.35	0.543	30.00	-2.65		
	QPSK	3542.49	1.90	1 / 18	24.47	26.37	0.434	30.00	-3.63		
		64-QAM	3542.49	1.90	36 / 0	23.52	25.42	0.348	30.00	-4.58	
		256-QAM	3542.49	1.90	36 / 0	21.54	23.44	0.221	30.00	-6.56	
		256-QAM	3460.02	1.90	50 / 0	25.24	27.14	0.518	30.00	-2.86	
		256-QAM	3500.01	1.90	1 / 49	25.33	27.23	0.528	30.00	-2.77	
20 MHz	π/2 BPSK	3540.00	1.90	50 / 0	25.47	27.37	0.546	30.00	-2.63		
		3460.02	1.90	1 / 49	25.23	27.13	0.516	30.00	-2.87		
		3500.01	1.90	1 / 49	25.35	27.25	0.531	30.00	-2.75		
		3540.00	1.90	1 / 1	25.34	27.24	0.530	30.00	-2.76		
		16-QAM	3540.00	1.90	1 / 25	24.21	26.11	0.408	30.00	-3.89	
	QPSK	64-QAM	3540.00	1.90	50 / 0	23.39	25.29	0.338	30.00	-4.71	
		256-QAM	3540.00	1.90	50 / 0	21.56	23.46	0.222	30.00	-6.54	
		256-QAM	3462.51	1.90	64 / 0	25.27	27.17	0.521	30.00	-2.83	
		QPSK	3500.01	1.90	64 / 0	25.32	27.22	0.527	30.00	-2.78	
			3537.48	1.90	64 / 0	25.50	27.40	0.550	30.00	-2.60	
256-QAM	3462.51		1.90	1 / 32	25.12	27.02	0.504	30.00	-2.98		
25 MHz	π/2 BPSK		3500.01	1.90	1 / 63	25.28	27.18	0.522	30.00	-2.82	
			3537.48	1.90	1 / 32	25.31	27.21	0.526	30.00	-2.79	
		16-QAM	3537.48	1.90	1 / 1	24.25	26.15	0.412	30.00	-3.85	
		64-QAM	3537.48	1.90	64 / 0	23.51	25.41	0.348	30.00	-4.59	
		256-QAM	3537.48	1.90	64 / 0	21.59	23.49	0.223	30.00	-6.51	
	QPSK	256-QAM	3465.00	1.90	75 / 0	25.12	27.02	0.504	30.00	-2.98	
		256-QAM	3500.01	1.90	1 / 76	25.28	27.18	0.522	30.00	-2.82	
		256-QAM	3534.99	1.90	75 / 0	25.34	27.24	0.530	30.00	-2.76	
		256-QAM	3465.00	1.90	1 / 76	25.12	27.02	0.504	30.00	-2.98	
		256-QAM	3500.01	1.90	1 / 76	25.49	27.39	0.548	30.00	-2.61	
30 MHz	π/2 BPSK	3534.99	1.90	1 / 1	25.35	27.25	0.531	30.00	-2.75		
		16-QAM	3534.99	1.90	1 / 1	24.35	26.25	0.422	30.00	-3.75	
		64-QAM	3534.99	1.90	75 / 0	23.40	25.30	0.339	30.00	-4.70	
		256-QAM	3534.99	1.90	75 / 0	21.42	23.32	0.215	30.00	-6.68	
		256-QAM	3470.01	1.90	100 / 0	25.24	27.14	0.518	30.00	-2.86	
	QPSK	3500.01	1.90	1 / 104	25.34	27.24	0.530	30.00	-2.76		
		3529.98	1.90	100 / 0	25.33	27.23	0.528	30.00	-2.77		
		3470.01	1.90	1 / 50	25.16	27.06	0.508	30.00	-2.94		
		16-QAM	3500.01	1.90	1 / 104	25.44	27.34	0.542	30.00	-2.66	
		256-QAM	3529.98	1.90	1 / 1	25.34	27.24	0.530	30.00	-2.76	
40 MHz	π/2 BPSK	16-QAM	3529.98	1.90	1 / 104	24.21	26.11	0.408	30.00	-3.89	
		64-QAM	3529.98	1.90	100 / 0	23.38	25.28	0.337	30.00	-4.72	
		256-QAM	3529.98	1.90	100 / 0	21.39	23.29	0.213	30.00	-6.71	
		256-QAM	3475.02	1.90	128 / 0	25.41	27.31	0.538	30.00	-2.69	
		256-QAM	3500.01	1.90	128 / 0	25.40	27.30	0.537	30.00	-2.70	
	QPSK	3525.00	1.90	128 / 0	25.47	27.37	0.546	30.00	-2.63		
		256-QAM	3475.02	1.90	1 / 64	25.20	27.10	0.513	30.00	-2.90	
		256-QAM	3500.01	1.90	1 / 131	25.26	27.16	0.520	30.00	-2.84	
		256-QAM	3525.00	1.90	1 / 64	25.43	27.33	0.541	30.00	-2.67	
		256-QAM	3525.00	1.90	1 / 64	24.21	26.11	0.408	30.00	-3.89	
50 MHz	π/2 BPSK	64-QAM	3525.00	1.90	128 / 0	23.56	25.46	0.352	30.00	-4.54	
		256-QAM	3525.00	1.90	128 / 0	21.57	23.47	0.222	30.00	-6.53	
		256-QAM	3480.00	1.90	162 / 0	25.25	27.15	0.519	30.00	-2.85	
		256-QAM	3500.01	1.90	1 / 160	25.31	27.21	0.526	30.00	-2.79	
		256-QAM	3519.99	1.90	162 / 0	25.47	27.37	0.546	30.00	-2.63	
	QPSK	16-QAM	3480.00	1.90	1 / 160	25.22	27.12	0.515	30.00	-2.88	
		64-QAM	3500.01	1.90	1 / 160	25.48	27.38	0.547	30.00	-2.62	
		256-QAM	3519.99	1.90	1 / 81	25.46	27.36	0.545	30.00	-2.64	
		256-QAM	3500.01	1.90	1 / 160	24.35	26.25	0.422	30.00	-3.75	
		256-QAM	3519.99	1.90	162 / 0	23.47	25.37	0.344	30.00	-4.63	
60 MHz	π/2 BPSK	256-QAM	3519.99	1.90	162 / 0	21.47	23.37	0.217	30.00	-6.63	
		256-QAM	3485.01	1.90	1 / 90	25.18	27.08	0.511	30.00	-2.92	
		256-QAM	3500.01	1.90	180 / 0	25.25	27.15	0.519	30.00	-2.85	
		256-QAM	3514.98	1.90	180 / 0	25.45	27.35	0.543	30.00	-2.65	
		256-QAM	3485.01	1.90	1 / 187	25.31	27.21	0.526	30.00	-2.79	
	QPSK	256-QAM	3500.01	1.90	1 / 90	25.15	27.05	0.507	30.00	-2.95	
		256-QAM	3514.98	1.90	1 / 90	25.29	27.19	0.524	30.00	-2.81	
		256-QAM	3500.01	1.90	1 / 187	24.16	26.06	0.404	30.00	-3.94	
		256-QAM	3514.98	1.90	180 / 0	23.42	25.32	0.340	30.00	-4.68	
		256-QAM	3514.98	1.90	180 / 0	21.43	23.33	0.215	30.00	-6.67	
70 MHz	π/2 BPSK	256-QAM	3490.02	1.90	1 / 215	25.38	27.28	0.535	30.00	-2.72	
		256-QAM	3500.01	1.90	1 / 215	25.30	27.20	0.525	30.00	-2.80	
		256-QAM	3510.00	1.90	216 / 0	25.45	27.35	0.543	30.00	-2.65	
		256-QAM	3490.02	1.90	1 / 215	25.34	27.24	0.530	30.00	-2.76	
		256-QAM	3500.01	1.90	1 / 215	25.31	27.21	0.526	30.00	-2.79	
	QPSK	256-QAM	3510.00	1.90	1 / 215	25.50	27.40	0.550	30.00	-2.60	
		256-QAM	3500.01	1.90	1 / 215	24.23	26.13	0.410	30.00	-3.87	
		256-QAM	64-QAM	3510.00	1.90	216 / 0	23.42	25.32	0.340	30.00	-4.68
		256-QAM	3510.00	1.90	216 / 0	21.44	23.34	0.216	30.00	-6.66	
		256-QAM	3495.00	1.90	1 / 243	25.36	27.26	0.532	30.00	-2.74	
80 MHz	π/2 BPSK	256-QAM	3500.01	1.90	243 / 0	25.29	27.19	0.524	30.00	-2.81	
		256-QAM	3504.99	1.90	243 / 0	25.35	27.25	0.531	30.00	-2.75	
		256-QAM	3495.00	1.90	1 / 243	25.42	27.32	0.540	30.00	-2.68	
		256-QAM	3500.01	1.90	1 / 243	25.36	27.26	0.532	30.00	-2.74	
		256-QAM	3504.99	1.90	1 / 120	25.29	27.19	0.524	30.00	-2.81	
	QPSK	256-QAM	3495.00	1.90	1 / 120	24.25	26.15	0.412	30.00	-3.85	
		256-QAM	3504.99	1.90	243 / 0	23.35	25.25	0.335	30.00	-4.75	
		256-QAM	256-QAM	3504.99	1.90	243 / 0	21.35	23.25	0.211	30.00	-6.75
		256-QAM	3500.01	1.90	270 / 0	25.28	27.18	0.522	30.00	-2.82	
		256-QAM	3500.01	1.90	1 / 271	25.35	27.25	0.531	30.00	-2.75	
100 MHz	256-QAM	3500.01	1.90	1 / 271	24.06	25.96	0.394	30.00	-4.04		
	256-QAM	64-QAM	3500.01	1.90	270 / 0	23.24	25.14	0.327	30.00	-4.86	
	256-QAM	3500.01	1.90	270 / 0	21.25	23.15	0.207	30.00	-6.8		

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [watts]	ERP Limit [dBm]	Margin [dB]	
10 MHz	π/2 BPSK	3705.00	0.50	24 / 0	26.54	27.04	0.506	30.00	-2.96	
		3840.00	0.50	24 / 0	26.97	27.47	0.558	30.00	-2.53	
		3975.00	0.50	24 / 0	26.99	27.49	0.561	30.00	-2.51	
	QPSK	3705.00	0.50	1 / 22	26.61	27.11	0.514	30.00	-2.89	
		3840.00	0.50	1 / 1	26.99	27.49	0.561	30.00	-2.51	
		3975.00	0.50	1 / 1	26.98	27.48	0.560	30.00	-2.52	
	16-QAM	3975.00	0.50	1 / 1	25.84	26.34	0.431	30.00	-3.66	
	64-QAM	3840.00	0.50	24 / 0	25.17	25.67	0.369	30.00	-4.33	
	256-QAM	3840.00	0.50	24 / 0	23.13	23.63	0.231	30.00	-6.37	
	256-QAM	3707.51	0.50	36 / 0	26.53	27.03	0.505	30.00	-2.97	
15 MHz	π/2 BPSK	3840.00	0.50	36 / 0	26.92	27.42	0.552	30.00	-2.58	
		3972.50	0.50	36 / 0	26.96	27.46	0.557	30.00	-2.54	
		3707.51	0.50	1 / 36	26.59	27.09	0.512	30.00	-2.91	
	QPSK	3840.00	0.50	1 / 18	26.96	27.46	0.557	30.00	-2.54	
		3972.50	0.50	1 / 18	26.87	27.37	0.546	30.00	-2.63	
		3840.00	0.50	1 / 18	26.01	26.51	0.448	30.00	-3.49	
	16-QAM	3972.50	0.50	36 / 0	25.06	25.56	0.360	30.00	-4.44	
	256-QAM	3840.00	0.50	36 / 0	23.05	23.55	0.226	30.00	-6.45	
	256-QAM	3710.01	0.50	50 / 0	26.63	27.13	0.516	30.00	-2.87	
	20 MHz	π/2 BPSK	3840.00	0.50	50 / 0	26.96	27.46	0.557	30.00	-2.54
3969.99			0.50	50 / 0	26.98	27.48	0.560	30.00	-2.52	
3710.01			0.50	1 / 49	26.70	27.20	0.525	30.00	-2.80	
QPSK		3840.00	0.50	1 / 25	26.93	27.43	0.553	30.00	-2.57	
		3969.99	0.50	1 / 1	26.92	27.42	0.552	30.00	-2.58	
		3969.99	0.50	1 / 49	25.96	26.46	0.443	30.00	-3.54	
16-QAM		3969.99	0.50	50 / 0	25.01	25.51	0.356	30.00	-4.49	
256-QAM		3840.00	0.50	50 / 0	23.07	23.57	0.228	30.00	-6.43	
π/2 BPSK		3712.50	0.50	64 / 0	26.62	27.12	0.515	30.00	-2.88	
		3840.00	0.50	64 / 0	26.97	27.47	0.558	30.00	-2.53	
	3967.50	0.50	64 / 0	27.00	27.50	0.562	30.00	-2.50		
25 MHz	QPSK	3712.50	0.50	1 / 63	26.60	27.10	0.513	30.00	-2.90	
		3840.00	0.50	1 / 32	26.91	27.41	0.551	30.00	-2.59	
		3967.50	0.50	1 / 32	27.00	27.50	0.562	30.00	-2.50	
	16-QAM	3840.00	0.50	1 / 32	26.00	26.50	0.447	30.00	-3.50	
	64-QAM	3840.00	0.50	64 / 0	25.09	25.59	0.362	30.00	-4.41	
	256-QAM	3840.00	0.50	64 / 0	23.05	23.55	0.226	30.00	-6.45	
	30 MHz	π/2 BPSK	3715.02	0.50	1 / 76	26.65	27.15	0.519	30.00	-2.85
			3840.00	0.50	75 / 0	26.94	27.44	0.555	30.00	-2.56
			3964.98	0.50	1 / 1	26.90	27.40	0.550	30.00	-2.60
		QPSK	3715.02	0.50	1 / 76	26.74	27.24	0.530	30.00	-2.76
3840.00			0.50	1 / 1	26.93	27.43	0.553	30.00	-2.57	
3964.98			0.50	1 / 1	26.97	27.47	0.558	30.00	-2.53	
16-QAM		3840.00	0.50	1 / 1	25.89	26.39	0.436	30.00	-3.61	
64-QAM		3840.00	0.50	75 / 0	25.02	25.52	0.356	30.00	-4.48	
256-QAM		3840.00	0.50	75 / 0	22.97	23.47	0.222	30.00	-6.53	
40 MHz		π/2 BPSK	3720.00	0.50	100 / 0	26.65	27.15	0.519	30.00	-2.85
	3840.00		0.50	100 / 0	26.97	27.47	0.558	30.00	-2.53	
	3960.00		0.50	1 / 50	26.96	27.46	0.557	30.00	-2.54	
	QPSK	3720.00	0.50	1 / 104	26.71	27.21	0.526	30.00	-2.79	
		3840.00	0.50	1 / 50	26.89	27.39	0.548	30.00	-2.61	
		3960.00	0.50	1 / 104	26.92	27.42	0.552	30.00	-2.58	
	16-QAM	3840.00	0.50	1 / 1	25.84	26.34	0.431	30.00	-3.66	
	64-QAM	3840.00	0.50	100 / 0	25.03	25.53	0.357	30.00	-4.47	
	256-QAM	3840.00	0.50	100 / 0	22.99	23.49	0.223	30.00	-6.51	
	50 MHz	π/2 BPSK	3725.01	0.50	128 / 0	26.71	27.21	0.526	30.00	-2.79
3840.00			0.50	128 / 0	26.94	27.44	0.555	30.00	-2.56	
3954.99			0.50	128 / 0	26.90	27.40	0.550	30.00	-2.60	
QPSK		3725.01	0.50	1 / 64	26.60	27.10	0.513	30.00	-2.90	
		3840.00	0.50	1 / 64	26.94	27.44	0.555	30.00	-2.56	
		3954.99	0.50	1 / 64	26.79	27.29	0.536	30.00	-2.71	
16-QAM		3840.00	0.50	1 / 64	26.01	26.51	0.448	30.00	-3.49	
64-QAM		3840.00	0.50	128 / 0	25.14	25.64	0.366	30.00	-4.36	
256-QAM		3840.00	0.50	128 / 0	23.09	23.59	0.229	30.00	-6.41	
60 MHz		π/2 BPSK	3730.02	0.50	1 / 81	26.61	27.11	0.514	30.00	-2.89
	3840.00		0.50	162 / 0	26.94	27.44	0.555	30.00	-2.56	
	3949.98		0.50	162 / 0	26.79	27.29	0.536	30.00	-2.71	
	QPSK	3730.02	0.50	1 / 160	26.57	27.07	0.509	30.00	-2.93	
		3840.00	0.50	1 / 1	26.91	27.41	0.551	30.00	-2.59	
		3949.98	0.50	1 / 160	26.90	27.40	0.550	30.00	-2.60	
	16-QAM	3840.00	0.50	1 / 81	25.91	26.41	0.438	30.00	-3.59	
	64-QAM	3840.00	0.50	162 / 0	25.02	25.52	0.356	30.00	-4.48	
	256-QAM	3840.00	0.50	162 / 0	23.01	23.51	0.224	30.00	-6.49	
	70 MHz	π/2 BPSK	3735.00	0.50	180 / 0	26.63	27.13	0.516	30.00	-2.87
3840.00			0.50	180 / 0	26.99	27.49	0.561	30.00	-2.51	
3945.00			0.50	180 / 0	26.75	27.25	0.531	30.00	-2.75	
QPSK		3735.00	0.50	1 / 90	26.66	27.16	0.520	30.00	-2.84	
		3840.00	0.50	1 / 90	26.88	27.38	0.547	30.00	-2.62	
		3945.00	0.50	1 / 187	26.93	27.43	0.553	30.00	-2.57	
16-QAM		3840.00	0.50	1 / 90	25.87	26.37	0.434	30.00	-3.63	
64-QAM		3840.00	0.50	180 / 0	25.03	25.53	0.357	30.00	-4.47	
256-QAM		3840.00	0.50	180 / 0	23.00	23.50	0.224	30.00	-6.50	
80 MHz		π/2 BPSK	3740.01	0.50	216 / 0	26.65	27.15	0.519	30.00	-2.85
	3840.00		0.50	216 / 0	27.00	27.50	0.562	30.00	-2.50	
	3939.99		0.50	1 / 215	26.96	27.46	0.557	30.00	-2.54	
	QPSK	3740.01	0.50	1 / 215	26.87	27.37	0.546	30.00	-2.63	
		3840.00	0.50	1 / 1	26.98	27.48	0.560	30.00	-2.52	
		3939.99	0.50	1 / 215	26.77	27.27	0.533	30.00	-2.73	
	16-QAM	3840.00	0.50	1 / 108	25.81	26.31	0.428	30.00	-3.69	
	64-QAM	3840.00	0.50	216 / 0	25.04	25.54	0.358	30.00	-4.46	
	256-QAM	3840.00	0.50	216 / 0	23.04	23.54	0.226	30.00	-6.46	
	90 MHz	π/2 BPSK	3745.02	0.50	1 / 243	26.69	27.19	0.524	30.00	-2.81
3840.00			0.50	243 / 0	26.93	27.43	0.553	30.00	-2.57	
3934.98			0.50	243 / 0	26.65	27.15	0.519	30.00	-2.85	
QPSK		3745.02	0.50	1 / 243	26.67	27.17	0.521	30.00	-2.83	
		3840.00	0.50	1 / 120	26.97	27.47	0.558	30.00	-2.53	
		3934.98	0.50	1 / 243	26.67	27.17	0.521	30.00	-2.83	
16-QAM		3840.00	0.50	1 / 120	25.68	26.18	0.415	30.00	-3.82	
64-QAM		3840.00	0.50	243 / 0	24.95	25.45	0.351	30.00	-4.55	
256-QAM		3840.00	0.50	243 / 0	22.92	23.42	0.220	30.00	-6.58	
100 MHz		π/2 BPSK	3750.00	0.50	1 / 271	26.75	27.25	0.531	30.00	-2.75
	3840.00		0.50	1 / 135	27.00	27.50	0.562	30.00	-2.50	
	3930.00		0.50	270 / 0	26.70	27.20	0.525	30.00	-2.80	
	QPSK	3750.00	0.50	1 / 271	26.55	27.05	0.507	30.00	-2.95	
		3840.00	0.50	1 / 135	26.76	27.26	0.532	30.00	-2.74	
		3930.00	0.50	1 / 271	26.75	27.25	0.531	30.00	-2.75	
	16-QAM	3840.00	0.50	1 / 135	25.75	26.25	0.422	30.00	-3.75	
	64-QAM	3840.00	0.50	270 / 0	25.00	25.50	0.355	30.00	-4.50	
	256-QAM	3840.00	0.50	270 / 0	22.99	23.49	0.223	30.00	-6.51	

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

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100082-11-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 236 of 258

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	0.50	24 / 0	25.15	25.65	0.367	30.00	-4.35
		3840.00	0.50	24 / 0	25.49	25.99	0.397	30.00	-4.01
		3975.00	0.50	24 / 0	25.44	25.94	0.393	30.00	-4.06
		3705.00	0.50	1 / 22	25.17	25.67	0.369	30.00	-4.33
	QPSK	3840.00	0.50	1 / 1	25.43	25.93	0.392	30.00	-4.07
		3975.00	0.50	1 / 12	25.40	25.90	0.389	30.00	-4.10
	16-QAM	3840.00	0.50	1 / 1	24.32	24.82	0.303	30.00	-5.18
		64-QAM	3840.00	0.50	24 / 0	23.58	24.08	0.256	30.00
	256-QAM	3840.00	0.50	24 / 0	21.58	22.08	0.161	30.00	-7.92
	15 MHz	π/2 BPSK	3707.51	0.50	36 / 0	25.14	25.64	0.366	30.00
3840.00			0.50	36 / 0	25.48	25.98	0.396	30.00	-4.02
3972.50			0.50	1 / 18	25.44	25.94	0.393	30.00	-4.06
3707.51			0.50	1 / 36	25.12	25.62	0.365	30.00	-4.38
QPSK		3840.00	0.50	1 / 1	25.48	25.98	0.396	30.00	-4.02
		3972.50	0.50	1 / 36	25.36	25.86	0.385	30.00	-4.14
16-QAM		3840.00	0.50	1 / 1	24.29	24.79	0.301	30.00	-5.2
		64-QAM	3840.00	0.50	36 / 0	23.55	24.05	0.254	30.00
256-QAM		3840.00	0.50	36 / 0	21.56	22.06	0.161	30.00	-7.94
20 MHz		π/2 BPSK	3710.01	0.50	50 / 0	25.16	25.66	0.368	30.00
	3840.00		0.50	50 / 0	25.49	25.99	0.397	30.00	-4.01
	3969.99		0.50	50 / 0	25.40	25.90	0.389	30.00	-4.10
	3710.01		0.50	1 / 49	25.10	25.60	0.363	30.00	-4.40
	QPSK	3840.00	0.50	1 / 1	25.42	25.92	0.391	30.00	-4.08
		3969.99	0.50	1 / 49	25.39	25.89	0.388	30.00	-4.11
	16-QAM	3840.00	0.50	1 / 1	24.48	24.98	0.315	30.00	-5.02
		64-QAM	3840.00	0.50	50 / 0	23.52	24.02	0.252	30.00
	256-QAM	3840.00	0.50	50 / 0	21.59	22.09	0.162	30.00	-7.91
	25 MHz	π/2 BPSK	3712.50	0.50	64 / 0	25.16	25.66	0.368	30.00
3840.00			0.50	64 / 0	25.46	25.96	0.394	30.00	-4.04
3967.50			0.50	64 / 0	25.38	25.88	0.387	30.00	-4.12
3712.50			0.50	1 / 63	25.16	25.66	0.368	30.00	-4.34
QPSK		3840.00	0.50	1 / 32	25.30	25.80	0.380	30.00	-4.20
		3967.50	0.50	1 / 32	25.25	25.75	0.376	30.00	-4.25
16-QAM		3840.00	0.50	1 / 1	24.31	24.81	0.303	30.00	-5.19
		64-QAM	3840.00	0.50	64 / 0	23.49	23.99	0.251	30.00
256-QAM		3840.00	0.50	64 / 0	21.51	22.01	0.159	30.00	-7.99
30 MHz		π/2 BPSK	3715.02	0.50	1 / 76	25.12	25.62	0.365	30.00
	3840.00		0.50	75 / 0	25.45	25.95	0.394	30.00	-4.05
	3964.98		0.50	75 / 0	25.37	25.87	0.386	30.00	-4.13
	3715.02		0.50	1 / 76	25.17	25.67	0.369	30.00	-4.33
	QPSK	3840.00	0.50	1 / 1	25.47	25.97	0.395	30.00	-4.03
		3964.98	0.50	1 / 76	25.37	25.87	0.386	30.00	-4.13
	16-QAM	3840.00	0.50	1 / 76	24.36	24.86	0.306	30.00	-5.14
		64-QAM	3840.00	0.50	75 / 0	23.52	24.02	0.252	30.00
	256-QAM	3840.00	0.50	75 / 0	21.50	22.00	0.158	30.00	-8.00
	40 MHz	π/2 BPSK	3720.00	0.50	1 / 104	25.13	25.63	0.366	30.00
3840.00			0.50	100 / 0	25.48	25.98	0.396	30.00	-4.02
3960.00			0.50	100 / 0	25.41	25.91	0.390	30.00	-4.09
3720.00			0.50	1 / 104	25.19	25.69	0.371	30.00	-4.31
QPSK		3840.00	0.50	1 / 50	25.43	25.93	0.392	30.00	-4.07
		3960.00	0.50	1 / 104	25.37	25.87	0.386	30.00	-4.13
16-QAM		3960.00	0.50	1 / 104	24.47	24.97	0.314	30.00	-5.03
		64-QAM	3840.00	0.50	100 / 0	23.52	24.02	0.252	30.00
256-QAM		3840.00	0.50	100 / 0	21.51	22.01	0.159	30.00	-7.99
50 MHz		π/2 BPSK	3725.01	0.50	128 / 0	25.13	25.63	0.366	30.00
	3840.00		0.50	128 / 0	25.49	25.99	0.397	30.00	-4.01
	3954.99		0.50	128 / 0	25.44	25.94	0.393	30.00	-4.06
	3725.01		0.50	1 / 64	25.18	25.68	0.370	30.00	-4.32
	QPSK	3840.00	0.50	1 / 64	25.48	25.98	0.396	30.00	-4.02
		3954.99	0.50	1 / 64	25.27	25.77	0.378	30.00	-4.23
	16-QAM	3940.00	0.50	1 / 64	24.29	24.79	0.301	30.00	-5.21
		64-QAM	3840.00	0.50	128 / 0	23.59	24.09	0.256	30.00
	256-QAM	3840.00	0.50	128 / 0	21.55	22.05	0.160	30.00	-7.95
	60 MHz	π/2 BPSK	3730.02	0.50	162 / 0	25.19	25.69	0.371	30.00
3840.00			0.50	162 / 0	25.46	25.96	0.394	30.00	-4.04
3949.98			0.50	1 / 160	25.32	25.82	0.382	30.00	-4.18
3730.02			0.50	1 / 160	25.15	25.65	0.367	30.00	-4.35
QPSK		3840.00	0.50	1 / 81	25.43	25.93	0.392	30.00	-4.07
		3949.98	0.50	1 / 160	25.43	25.93	0.392	30.00	-4.07
16-QAM		3840.00	0.50	1 / 160	24.27	24.77	0.300	30.00	-5.23
		64-QAM	3840.00	0.50	162 / 0	23.48	23.98	0.250	30.00
256-QAM		3840.00	0.50	162 / 0	21.44	21.94	0.156	30.00	-8.06
70 MHz		π/2 BPSK	3735.00	0.50	180 / 0	25.14	25.64	0.366	30.00
	3840.00		0.50	180 / 0	25.44	25.94	0.393	30.00	-4.06
	3945.00		0.50	180 / 0	25.27	25.77	0.378	30.00	-4.23
	3735.00		0.50	1 / 90	25.13	25.63	0.366	30.00	-4.37
	QPSK	3840.00	0.50	1 / 90	25.47	25.97	0.395	30.00	-4.03
		3945.00	0.50	1 / 90	25.26	25.76	0.377	30.00	-4.24
	16-QAM	3840.00	0.50	1 / 90	24.45	24.95	0.313	30.00	-5.05
		64-QAM	3840.00	0.50	180 / 0	23.47	23.97	0.249	30.00
	256-QAM	3840.00	0.50	180 / 0	21.46	21.96	0.157	30.00	-8.04
	80 MHz	π/2 BPSK	3740.01	0.50	1 / 215	25.13	25.63	0.366	30.00
3840.00			0.50	216 / 0	25.47	25.97	0.395	30.00	-4.03
3939.99			0.50	216 / 0	25.27	25.77	0.378	30.00	-4.23
3740.01			0.50	1 / 215	25.14	25.64	0.366	30.00	-4.36
QPSK		3840.00	0.50	1 / 1	25.45	25.95	0.394	30.00	-4.05
		3939.99	0.50	1 / 215	25.42	25.92	0.391	30.00	-4.08
16-QAM		3939.99	0.50	1 / 215	24.24	24.74	0.298	30.00	-5.26
		64-QAM	3840.00	0.50	216 / 0	23.54	24.04	0.254	30.00
256-QAM		3840.00	0.50	216 / 0	21.50	22.00	0.158	30.00	-8.00
90 MHz		π/2 BPSK	3745.02	0.50	243 / 0	25.15	25.65	0.367	30.00
	3840.00		0.50	243 / 0	25.42	25.92	0.391	30.00	-4.08
	3934.98		0.50	243 / 0	25.25	25.75	0.376	30.00	-4.25
	3745.02		0.50	1 / 243	25.16	25.66	0.368	30.00	-4.34
	QPSK	3840.00	0.50	1 / 120	25.34	25.84	0.384	30.00	-4.16
		3934.98	0.50	1 / 1	25.25	25.75	0.376	30.00	-4.25
	16-QAM	3934.98	0.50	1 / 1	24.40	24.90	0.309	30.00	-5.10
		64-QAM	3840.00	0.50	243 / 0	23.39	23.89	0.245	30.00
	256-QAM	3840.00	0.50	243 / 0	21.41	21.91	0.155	30.00	-8.09
	100 MHz	π/2 BPSK	3750.00	0.50	270 / 0	25.17	25.67	0.369	30.00
3840.00			0.50	270 / 0	25.47	25.97	0.395	30.00	-4.03
3750.00			0.50	1 / 135	25.13	25.63	0.366	30.00	-4.37
QPSK		3840.00	0.50	1 / 135	25.34	25.84	0.384	30.00	-4.16
		3930.00	0.50	1 / 135	25.32	25.82	0.382	30.00	-4.18
		3840.00	0.50	1 / 135	24.26	24.76	0.299	30.00	-5.24
16-QAM	3840.00	0.50	270 / 0	23.49	23.99	0.251	30.00	-6.01	
	64-QAM	3840.00	0.50	270 / 0	21.48	21.98	0.158	30.00	-8.02

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

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100082-11-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 237 of 258

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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	n/2 BPSK	3455.01	-0.90	24 / 0	25.93	25.03	0.318	30.00	-4.97	
		3500.01	-0.90	24 / 0	25.96	25.06	0.321	30.00	-4.94	
		3544.98	-0.90	24 / 0	25.92	25.02	0.318	30.00	-4.98	
		3455.01	-0.90	1 / 12	25.79	24.89	0.308	30.00	-5.11	
		3500.01	-0.90	1 / 22	25.91	25.01	0.317	30.00	-4.99	
	QPSK	3544.98	-0.90	1 / 1	25.81	24.91	0.310	30.00	-5.09	
		16-QAM	3544.98	-0.90	1 / 1	24.70	23.80	0.240	30.00	-6.20
		64-QAM	3500.01	-0.90	24 / 0	23.93	23.03	0.291	30.00	-6.97
		256-QAM	3500.01	-0.90	24 / 0	22.04	21.14	0.130	30.00	-8.86
		3457.50	-0.90	36 / 0	25.81	24.91	0.310	30.00	-5.09	
15 MHz	n/2 BPSK	3500.01	-0.90	1 / 36	25.86	24.96	0.313	30.00	-5.04	
		3542.49	-0.90	36 / 0	25.86	24.96	0.313	30.00	-5.04	
		3457.50	-0.90	1 / 1	25.85	24.95	0.313	30.00	-5.05	
		3500.01	-0.90	1 / 1	25.93	25.03	0.318	30.00	-4.97	
		3542.49	-0.90	1 / 1	25.99	25.09	0.323	30.00	-4.91	
	QPSK	16-QAM	3500.01	-0.90	1 / 1	24.81	23.91	0.246	30.00	-6.09
		64-QAM	3542.49	-0.90	36 / 0	23.99	23.09	0.204	30.00	-6.91
		256-QAM	3500.01	-0.90	36 / 0	21.93	21.03	0.127	30.00	-8.97
		3460.02	-0.90	50 / 0	25.77	24.87	0.307	30.00	-5.13	
		3500.01	-0.90	1 / 49	25.94	25.04	0.319	30.00	-4.96	
20 MHz	n/2 BPSK	3540.00	-0.90	50 / 0	25.86	24.96	0.313	30.00	-5.04	
		3460.02	-0.90	1 / 1	25.87	24.97	0.314	30.00	-5.03	
		3500.01	-0.90	1 / 1	25.95	25.05	0.320	30.00	-4.95	
		3540.00	-0.90	1 / 1	25.93	25.03	0.318	30.00	-4.97	
		3500.01	-0.90	1 / 49	25.02	24.12	0.258	30.00	-5.88	
	QPSK	64-QAM	3540.00	-0.90	50 / 0	24.01	23.11	0.205	30.00	-6.89
		256-QAM	3460.02	-0.90	50 / 0	22.12	21.22	0.132	30.00	-8.78
		3462.51	-0.90	64 / 0	25.93	25.03	0.318	30.00	-4.97	
		3500.01	-0.90	64 / 0	25.99	25.09	0.323	30.00	-4.91	
		3537.48	-0.90	64 / 0	25.89	24.99	0.323	30.00	-4.91	
25 MHz	n/2 BPSK	3462.51	-0.90	1 / 32	25.75	24.85	0.305	30.00	-5.15	
		3500.01	-0.90	1 / 32	25.86	24.96	0.313	30.00	-5.04	
		3537.48	-0.90	1 / 32	25.81	24.91	0.310	30.00	-5.09	
		3462.51	-0.90	1 / 63	24.78	23.88	0.244	30.00	-6.12	
		64-QAM	3537.48	-0.90	64 / 0	24.10	23.20	0.209	30.00	-6.80
	QPSK	256-QAM	3537.48	-0.90	64 / 0	22.07	21.17	0.131	30.00	-8.83
		3465.00	-0.90	1 / 76	25.89	24.99	0.316	30.00	-5.01	
		3500.01	-0.90	75 / 0	25.95	25.05	0.320	30.00	-4.95	
		3534.99	-0.90	75 / 0	25.91	25.01	0.317	30.00	-4.99	
		3465.00	-0.90	1 / 76	25.86	24.96	0.313	30.00	-5.04	
30 MHz	n/2 BPSK	3500.01	-0.90	1 / 76	25.92	25.02	0.318	30.00	-4.98	
		3534.99	-0.90	1 / 36	25.92	25.02	0.318	30.00	-4.98	
		3534.99	-0.90	1 / 76	24.83	23.93	0.247	30.00	-6.07	
		64-QAM	3534.99	-0.90	75 / 0	23.95	23.05	0.202	30.00	-6.95
		256-QAM	3500.01	-0.90	75 / 0	21.85	20.95	0.124	30.00	-9.05
	QPSK	3470.01	-0.90	1 / 104	25.74	24.84	0.305	30.00	-5.16	
		n/2 BPSK	3500.01	-0.90	1 / 1	25.81	24.91	0.310	30.00	-5.09
		3529.98	-0.90	1 / 1	25.79	24.89	0.308	30.00	-5.11	
		3470.01	-0.90	1 / 104	25.86	24.96	0.313	30.00	-5.04	
		3500.01	-0.90	1 / 1	25.87	24.97	0.314	30.00	-5.03	
40 MHz	n/2 BPSK	3529.98	-0.90	1 / 1	25.95	25.05	0.320	30.00	-4.95	
		3529.98	-0.90	1 / 1	24.96	24.06	0.255	30.00	-5.94	
		64-QAM	3470.01	-0.90	100 / 0	24.00	23.10	0.204	30.00	-6.90
		256-QAM	3500.01	-0.90	100 / 0	21.97	21.07	0.128	30.00	-8.93
		3470.01	-0.90	1 / 104	25.74	24.84	0.305	30.00	-5.16	
	QPSK	3475.02	-0.90	128 / 0	25.78	24.88	0.308	30.00	-5.12	
		n/2 BPSK	3500.01	-0.90	128 / 0	25.96	25.06	0.321	30.00	-4.94
		3525.00	-0.90	128 / 0	25.84	24.94	0.312	30.00	-5.06	
		3475.02	-0.90	1 / 64	25.65	24.75	0.299	30.00	-5.25	
		3500.01	-0.90	1 / 64	25.72	24.82	0.303	30.00	-5.18	
50 MHz	n/2 BPSK	3525.00	-0.90	1 / 64	25.71	24.81	0.303	30.00	-5.19	
		64-QAM	3525.00	-0.90	1 / 64	24.66	23.76	0.238	30.00	-6.24
		256-QAM	3500.01	-0.90	128 / 0	23.99	23.09	0.204	30.00	-6.91
		3525.00	-0.90	128 / 0	22.07	21.17	0.131	30.00	-8.83	
		3480.00	-0.90	162 / 0	25.97	25.07	0.321	30.00	-4.93	
	QPSK	n/2 BPSK	3500.01	-0.90	162 / 0	25.81	24.91	0.310	30.00	-5.09
		3519.99	-0.90	162 / 0	25.85	24.95	0.313	30.00	-5.05	
		3480.00	-0.90	1 / 160	25.88	24.98	0.315	30.00	-5.02	
		3500.01	-0.90	1 / 160	25.82	24.92	0.310	30.00	-5.08	
		3519.99	-0.90	1 / 1	25.90	25.00	0.316	30.00	-5.00	
60 MHz	n/2 BPSK	64-QAM	3500.01	-0.90	1 / 1	24.80	23.90	0.245	30.00	-6.10
		256-QAM	3480.00	-0.90	162 / 0	23.78	22.88	0.194	30.00	-7.12
		3480.00	-0.90	162 / 0	21.84	20.94	0.124	30.00	-9.06	
		3485.01	-0.90	180 / 0	25.83	24.93	0.311	30.00	-5.07	
		3500.01	-0.90	180 / 0	25.89	24.99	0.316	30.00	-5.01	
	QPSK	n/2 BPSK	3514.98	-0.90	180 / 0	25.94	25.04	0.319	30.00	-4.96
		3485.01	-0.90	1 / 90	25.89	24.99	0.316	30.00	-5.01	
		3500.01	-0.90	1 / 90	25.84	24.94	0.312	30.00	-5.06	
		3514.98	-0.90	1 / 1	25.83	24.93	0.311	30.00	-5.07	
		64-QAM	3500.01	-0.90	1 / 90	24.88	23.98	0.250	30.00	-6.02
70 MHz	n/2 BPSK	256-QAM	3514.98	-0.90	180 / 0	23.95	23.05	0.202	30.00	-6.95
		3485.01	-0.90	180 / 0	21.87	20.97	0.125	30.00	-9.03	
		3490.02	-0.90	216 / 0	25.82	24.92	0.310	30.00	-5.08	
		3500.01	-0.90	216 / 0	25.89	24.99	0.316	30.00	-5.01	
		3510.00	-0.90	216 / 0	25.98	25.08	0.322	30.00	-4.92	
	QPSK	n/2 BPSK	3490.02	-0.90	1 / 1	25.88	24.98	0.315	30.00	-5.02
		3500.01	-0.90	1 / 108	25.84	24.94	0.312	30.00	-5.06	
		3510.00	-0.90	1 / 108	25.98	25.08	0.322	30.00	-4.92	
		64-QAM	3510.00	-0.90	1 / 108	24.90	24.00	0.251	30.00	-6.00
		256-QAM	3490.02	-0.90	216 / 0	22.10	21.20	0.132	30.00	-8.80
80 MHz	n/2 BPSK	3495.00	-0.90	243 / 0	25.97	25.07	0.321	30.00	-4.93	
		3500.01	-0.90	243 / 0	25.90	25.00	0.316	30.00	-5.00	
		3504.99	-0.90	243 / 0	25.95	25.05	0.320	30.00	-4.95	
		64-QAM	3495.00	-0.90	1 / 120	25.83	24.93	0.311	30.00	-5.07
		256-QAM	3500.01	-0.90	1 / 243	25.77	24.87	0.307	30.00	-5.13
	QPSK	16-QAM	3504.99	-0.90	1 / 120	25.83	24.93	0.311	30.00	-5.07
		64-QAM	3504.99	-0.90	1 / 120	24.87	23.97	0.249	30.00	-6.03
		256-QAM	3504.99	-0.90	243 / 0	23.93	23.03	0.201	30.00	-6.97
		3504.99	-0.90	243 / 0	21.99	21.09	0.129	30.00	-8.91	
		3500.01	-0.90	270 / 0	25.89	24.99	0.316	30.00	-5.01	
90 MHz	n/2 BPSK	3500.01	-0.90	1 / 271	25.76	24.86	0.306	30.00	-5.14	
		64-QAM	3500.01	-0.90	1 / 1	24.67	23.77	0.238	30.00	-6.23
		256-QAM	3500.01	-0.90	270 / 0	23.90	23.00	0.200	30.00	-7.00
		3500.01	-0.90	270 / 0	21.91	21.01	0.126	30.00	-8.99	
		3500.01	-0.90	270 / 0	21.91	21.01	0.126	30.00	-8.99	
	QPSK	16-QAM	3500.01	-0.90	1 / 1	24.67	23.77	0.238	30.00	-6.23
		64-QAM	3500.01	-0.90	270 / 0	23.90	23.00	0.200	30.00	-7.00
		256-QAM	3500.01	-0.90	270 / 0	21.91	21.01	0.126	30.00	-8.99
		3500.01	-0.90	270 / 0	21.91	21.01	0.126	30.00	-8.99	
		3500.01	-0.90	270 / 0	21.91	21.01	0.126	30.00	-8.99	

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

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100082-11-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 238

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-0.90	24 / 0	25.41	24.51	0.282	30.00	-5.49
		3500.01	-0.90	24 / 0	25.49	24.59	0.288	30.00	-5.41
		3544.98	-0.90	24 / 0	25.48	24.58	0.287	30.00	-5.42
		3455.01	-0.90	1 / 1	25.26	24.36	0.273	30.00	-5.64
	QPSK	3500.01	-0.90	1 / 22	25.43	24.53	0.284	30.00	-5.47
		3544.98	-0.90	1 / 1	25.34	24.44	0.278	30.00	-5.56
	16-QAM	3500.01	-0.90	1 / 22	24.17	23.27	0.212	30.00	-6.73
	64-QAM	3500.01	-0.90	24 / 0	23.45	22.55	0.180	30.00	-7.45
	256-QAM	3500.01	-0.90	24 / 0	21.42	20.52	0.113	30.00	-9.48
	15 MHz	π/2 BPSK	3457.50	-0.90	1 / 1	25.24	24.34	0.272	30.00
3500.01			-0.90	36 / 0	25.40	24.50	0.282	30.00	-5.50
3542.49			-0.90	36 / 0	25.37	24.47	0.280	30.00	-5.53
3457.50			-0.90	1 / 36	25.32	24.42	0.277	30.00	-5.58
QPSK		3500.01	-0.90	1 / 36	25.42	24.52	0.283	30.00	-5.48
		3542.49	-0.90	1 / 1	25.33	24.43	0.277	30.00	-5.57
16-QAM		3500.01	-0.90	1 / 36	24.33	23.43	0.220	30.00	-6.57
64-QAM		3500.01	-0.90	36 / 0	23.46	22.56	0.180	30.00	-7.44
256-QAM		3500.01	-0.90	36 / 0	21.46	20.56	0.114	30.00	-9.44
20 MHz		π/2 BPSK	3460.02	-0.90	50 / 0	25.33	24.43	0.277	30.00
	3500.01		-0.90	50 / 0	25.40	24.50	0.282	30.00	-5.50
	3540.00		-0.90	50 / 0	25.39	24.49	0.281	30.00	-5.51
	3460.02		-0.90	1 / 49	25.32	24.42	0.277	30.00	-5.58
	QPSK	3500.01	-0.90	1 / 1	25.43	24.53	0.284	30.00	-5.47
		3540.00	-0.90	1 / 1	25.37	24.47	0.280	30.00	-5.53
	16-QAM	3500.01	-0.90	1 / 1	24.46	23.56	0.227	30.00	-6.44
	64-QAM	3500.01	-0.90	50 / 0	23.46	22.56	0.180	30.00	-7.44
	256-QAM	3500.01	-0.90	50 / 0	21.53	20.63	0.116	30.00	-9.37
	25 MHz	π/2 BPSK	3462.51	-0.90	64 / 0	25.37	24.47	0.280	30.00
3500.01			-0.90	64 / 0	25.45	24.55	0.285	30.00	-5.45
3537.48			-0.90	64 / 0	25.45	24.55	0.285	30.00	-5.45
3462.51			-0.90	1 / 1	25.24	24.34	0.272	30.00	-5.66
QPSK		3500.01	-0.90	1 / 1	25.34	24.44	0.278	30.00	-5.56
		3537.48	-0.90	1 / 32	25.32	24.42	0.277	30.00	-5.58
16-QAM		3500.01	-0.90	1 / 1	24.19	23.29	0.213	30.00	-6.71
64-QAM		3500.01	-0.90	64 / 0	23.52	22.62	0.183	30.00	-7.38
256-QAM		3537.48	-0.90	64 / 0	21.55	20.65	0.116	30.00	-9.35
30 MHz		π/2 BPSK	3465.00	-0.90	1 / 76	25.36	24.46	0.279	30.00
	3500.01		-0.90	75 / 0	25.41	24.51	0.282	30.00	-5.49
	3534.99		-0.90	75 / 0	25.45	24.55	0.285	30.00	-5.45
	3465.00		-0.90	1 / 1	25.39	24.49	0.281	30.00	-5.51
	QPSK	3500.01	-0.90	1 / 76	25.49	24.59	0.288	30.00	-5.41
		3534.99	-0.90	1 / 1	25.43	24.53	0.284	30.00	-5.47
	16-QAM	3465.00	-0.90	1 / 1	24.42	23.52	0.225	30.00	-6.48
	64-QAM	3534.99	-0.90	75 / 0	23.52	22.62	0.183	30.00	-7.38
	256-QAM	3534.99	-0.90	75 / 0	21.49	20.59	0.115	30.00	-9.41
	40 MHz	π/2 BPSK	3470.01	-0.90	100 / 0	25.37	24.47	0.280	30.00
3500.01			-0.90	100 / 0	25.42	24.52	0.283	30.00	-5.48
3529.98			-0.90	100 / 0	25.40	24.50	0.282	30.00	-5.50
3470.01			-0.90	1 / 104	25.45	24.55	0.285	30.00	-5.45
QPSK		3500.01	-0.90	1 / 104	25.41	24.51	0.282	30.00	-5.49
		3529.98	-0.90	1 / 1	25.43	24.53	0.284	30.00	-5.47
16-QAM		3500.01	-0.90	1 / 104	24.35	23.45	0.221	30.00	-6.55
64-QAM		3500.01	-0.90	100 / 0	23.46	22.56	0.180	30.00	-7.44
256-QAM		3500.01	-0.90	100 / 0	21.45	20.55	0.114	30.00	-9.45
50 MHz		π/2 BPSK	3475.02	-0.90	128 / 0	25.40	24.50	0.282	30.00
	3500.01		-0.90	128 / 0	25.40	24.50	0.282	30.00	-5.50
	3525.00		-0.90	128 / 0	25.48	24.58	0.287	30.00	-5.42
	3475.02		-0.90	1 / 64	25.29	24.39	0.275	30.00	-5.61
	QPSK	3500.01	-0.90	1 / 64	25.35	24.45	0.279	30.00	-5.55
		3525.00	-0.90	1 / 64	25.35	24.45	0.279	30.00	-5.55
	16-QAM	3525.00	-0.90	1 / 64	24.20	23.30	0.214	30.00	-6.70
	64-QAM	3525.00	-0.90	128 / 0	23.49	22.59	0.182	30.00	-7.41
	256-QAM	3500.01	-0.90	128 / 0	21.46	20.56	0.114	30.00	-9.44
	60 MHz	π/2 BPSK	3480.00	-0.90	162 / 0	25.45	24.55	0.285	30.00
3500.01			-0.90	162 / 0	25.38	24.48	0.281	30.00	-5.52
3519.99			-0.90	162 / 0	25.33	24.43	0.277	30.00	-5.57
3480.00			-0.90	1 / 160	25.38	24.48	0.281	30.00	-5.52
QPSK		3500.01	-0.90	1 / 81	25.35	24.45	0.279	30.00	-5.55
		3519.99	-0.90	1 / 1	25.31	24.41	0.276	30.00	-5.59
16-QAM		3480.00	-0.90	1 / 160	24.35	23.45	0.221	30.00	-6.55
64-QAM		3480.00	-0.90	162 / 0	23.40	22.50	0.178	30.00	-7.50
256-QAM		3519.99	-0.90	162 / 0	21.41	20.51	0.112	30.00	-9.49
70 MHz		π/2 BPSK	3485.01	-0.90	180 / 0	25.33	24.43	0.277	30.00
	3500.01		-0.90	180 / 0	25.45	24.55	0.285	30.00	-5.45
	3514.98		-0.90	180 / 0	25.33	24.43	0.277	30.00	-5.57
	3485.01		-0.90	1 / 90	25.24	24.34	0.272	30.00	-5.66
	QPSK	3500.01	-0.90	1 / 90	25.21	24.31	0.270	30.00	-5.69
		3514.98	-0.90	1 / 90	25.28	24.38	0.274	30.00	-5.62
	16-QAM	3485.01	-0.90	1 / 90	24.33	23.43	0.220	30.00	-6.57
	64-QAM	3485.01	-0.90	180 / 0	23.49	22.59	0.182	30.00	-7.41
	256-QAM	3514.98	-0.90	180 / 0	21.48	20.58	0.114	30.00	-9.42
	80 MHz	π/2 BPSK	3490.02	-0.90	216 / 0	25.35	24.45	0.279	30.00
3500.01			-0.90	216 / 0	25.35	24.45	0.279	30.00	-5.55
3510.00			-0.90	216 / 0	25.33	24.43	0.277	30.00	-5.57
3490.02			-0.90	1 / 108	25.47	24.57	0.286	30.00	-5.43
QPSK		3500.01	-0.90	1 / 215	25.26	24.36	0.273	30.00	-5.64
		3510.00	-0.90	1 / 108	25.27	24.37	0.274	30.00	-5.63
16-QAM		3500.01	-0.90	1 / 215	24.24	23.34	0.216	30.00	-6.66
64-QAM		3510.00	-0.90	216 / 0	23.37	22.47	0.177	30.00	-7.53
256-QAM		3490.02	-0.90	216 / 0	21.41	20.51	0.112	30.00	-9.49
90 MHz		π/2 BPSK	3495.00	-0.90	243 / 0	25.46	24.56	0.286	30.00
	3500.01		-0.90	243 / 0	25.36	24.46	0.279	30.00	-5.54
	3504.99		-0.90	243 / 0	25.43	24.53	0.284	30.00	-5.47
	3495.00		-0.90	1 / 1	25.34	24.44	0.278	30.00	-5.56
	QPSK	3500.01	-0.90	1 / 120	25.44	24.54	0.284	30.00	-5.46
		3504.99	-0.90	1 / 120	25.30	24.40	0.275	30.00	-5.60
	16-QAM	3500.01	-0.90	1 / 1	24.29	23.39	0.218	30.00	-6.61
	64-QAM	3504.99	-0.90	243 / 0	23.40	22.50	0.178	30.00	-7.50
	256-QAM	3504.99	-0.90	243 / 0	21.49	20.59	0.115	30.00	-9.41
	100 MHz	π/2 BPSK	3500.01	-0.90	270 / 0	25.35	24.45	0.279	30.00
QPSK		3500.01	-0.90	1 / 135	25.43	24.53	0.284	30.00	-5.47
16-QAM		3500.01	-0.90	1 / 1	24.28	23.38	0.218	30.00	-6.62
256-QAM		3500.01	-0.90	270 / 0	23.33	22.43	0.175	30.00	-7.57
256-QAM	3500.01	-0.90	270 / 0	21.46	20.56	0.114	30.00	-9.44	

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-1.50	24 / 0	25.72	24.22	0.264	30.00	-5.78
		3840.00	-1.50	24 / 0	25.96	24.46	0.279	30.00	-5.54
		3975.00	-1.50	24 / 0	25.82	24.32	0.270	30.00	-5.68
	QPSK	3705.00	-1.50	1 / 22	25.74	24.24	0.265	30.00	-5.76
		3840.00	-1.50	1 / 1	25.85	24.35	0.272	30.00	-5.65
		3975.00	-1.50	1 / 1	25.82	24.32	0.270	30.00	-5.68
	16-QAM	3840.00	-1.50	1 / 1	24.71	23.21	0.259	30.00	-6.79
		3840.00	-1.50	24 / 0	24.07	22.57	0.181	30.00	-7.43
	256-QAM	3840.00	-1.50	24 / 0	22.16	20.66	0.116	30.00	-9.34
		3707.51	-1.50	36 / 0	25.82	24.32	0.270	30.00	-5.68
15 MHz	π/2 BPSK	3840.00	-1.50	36 / 0	25.97	24.47	0.280	30.00	-5.53
		3972.50	-1.50	36 / 0	25.84	24.34	0.272	30.00	-5.66
		3707.51	-1.50	1 / 36	25.72	24.22	0.264	30.00	-5.78
	QPSK	3840.00	-1.50	1 / 1	25.98	24.48	0.281	30.00	-5.52
		3972.50	-1.50	1 / 1	25.78	24.28	0.268	30.00	-5.72
		3707.51	-1.50	1 / 36	24.79	23.29	0.213	30.00	-6.71
	16-QAM	3840.00	-1.50	36 / 0	24.00	22.50	0.178	30.00	-7.50
		3946.00	-1.50	36 / 0	21.97	20.47	0.111	30.00	-9.53
	256-QAM	3710.01	-1.50	1 / 49	25.59	24.09	0.256	30.00	-5.91
		3840.00	-1.50	50 / 0	25.59	24.09	0.256	30.00	-5.91
20 MHz	π/2 BPSK	3969.99	-1.50	50 / 0	25.49	23.99	0.251	30.00	-6.01
		3710.01	-1.50	1 / 49	25.65	24.15	0.260	30.00	-5.85
		3840.00	-1.50	1 / 25	25.62	24.12	0.258	30.00	-5.88
	QPSK	3969.99	-1.50	1 / 1	25.99	24.49	0.281	30.00	-5.51
		3840.00	-1.50	1 / 49	24.59	23.09	0.204	30.00	-6.91
		3840.00	-1.50	50 / 0	23.67	22.17	0.165	30.00	-7.83
	16-QAM	3840.00	-1.50	50 / 0	21.68	20.18	0.104	30.00	-8.82
		3840.00	-1.50	50 / 0	21.68	20.18	0.104	30.00	-8.82
	256-QAM	3712.50	-1.50	64 / 0	25.95	24.45	0.279	30.00	-5.55
		3840.00	-1.50	64 / 0	25.98	24.48	0.281	30.00	-5.52
25 MHz	π/2 BPSK	3967.50	-1.50	64 / 0	25.86	24.36	0.273	30.00	-5.64
		3712.50	-1.50	1 / 63	25.95	24.45	0.279	30.00	-5.55
		3840.00	-1.50	1 / 32	25.95	24.45	0.279	30.00	-5.55
	QPSK	3967.50	-1.50	1 / 63	25.83	24.33	0.271	30.00	-5.67
		3840.00	-1.50	1 / 32	24.98	23.48	0.223	30.00	-6.52
		3840.00	-1.50	64 / 0	24.17	22.67	0.185	30.00	-7.33
	16-QAM	3840.00	-1.50	64 / 0	22.16	20.66	0.116	30.00	-9.34
		3840.00	-1.50	64 / 0	22.16	20.66	0.116	30.00	-9.34
	256-QAM	3715.02	-1.50	75 / 0	25.87	24.37	0.274	30.00	-5.63
		3840.00	-1.50	75 / 0	25.99	24.49	0.281	30.00	-5.51
30 MHz	π/2 BPSK	3964.98	-1.50	75 / 0	25.81	24.31	0.270	30.00	-5.69
		3715.02	-1.50	1 / 76	25.89	24.39	0.275	30.00	-5.61
		3840.00	-1.50	1 / 1	25.94	24.44	0.278	30.00	-5.56
	QPSK	3964.98	-1.50	1 / 1	25.83	24.33	0.271	30.00	-5.67
		3840.00	-1.50	1 / 76	24.87	23.37	0.217	30.00	-6.63
		3840.00	-1.50	75 / 0	24.05	22.55	0.180	30.00	-7.45
	16-QAM	3840.00	-1.50	75 / 0	22.06	20.56	0.114	30.00	-8.44
		3840.00	-1.50	75 / 0	22.06	20.56	0.114	30.00	-8.44
	256-QAM	3720.00	-1.50	100 / 0	25.63	24.13	0.259	30.00	-5.87
		3840.00	-1.50	100 / 0	25.63	24.13	0.259	30.00	-5.87
40 MHz	π/2 BPSK	3960.00	-1.50	100 / 0	25.56	24.06	0.255	30.00	-5.94
		3720.00	-1.50	1 / 50	25.50	24.00	0.251	30.00	-6.00
		3840.00	-1.50	1 / 1	25.58	24.08	0.256	30.00	-5.92
	QPSK	3960.00	-1.50	1 / 50	25.94	24.44	0.278	30.00	-5.56
		3720.00	-1.50	1 / 50	24.50	23.00	0.200	30.00	-7.00
		3840.00	-1.50	100 / 0	23.58	22.08	0.161	30.00	-7.92
	16-QAM	3720.00	-1.50	100 / 0	21.62	20.12	0.103	30.00	-8.88
		3840.00	-1.50	128 / 0	25.87	24.37	0.274	30.00	-5.63
	256-QAM	3725.01	-1.50	128 / 0	25.81	24.31	0.270	30.00	-5.69
		3840.00	-1.50	128 / 0	25.81	24.31	0.270	30.00	-5.69
50 MHz	π/2 BPSK	3725.01	-1.50	1 / 64	25.87	24.37	0.274	30.00	-5.63
		3840.00	-1.50	1 / 64	25.93	24.43	0.277	30.00	-5.57
		3954.99	-1.50	1 / 64	25.72	24.22	0.264	30.00	-5.78
	QPSK	3840.00	-1.50	1 / 64	24.83	23.33	0.215	30.00	-6.67
		3840.00	-1.50	128 / 0	23.91	22.41	0.174	30.00	-7.59
		3840.00	-1.50	128 / 0	21.90	20.40	0.110	30.00	-8.60
	16-QAM	3730.02	-1.50	162 / 0	25.89	24.39	0.275	30.00	-5.61
		3840.00	-1.50	1 / 160	25.86	24.36	0.273	30.00	-5.64
	256-QAM	3949.98	-1.50	162 / 0	25.74	24.24	0.266	30.00	-5.76
		3730.02	-1.50	1 / 160	25.94	24.44	0.272	30.00	-5.66
60 MHz	π/2 BPSK	3840.00	-1.50	1 / 160	25.00	24.50	0.282	30.00	-5.50
		3949.98	-1.50	1 / 160	25.75	24.25	0.266	30.00	-5.75
		3840.00	-1.50	1 / 160	24.96	23.46	0.222	30.00	-6.54
	QPSK	3840.00	-1.50	162 / 0	24.10	22.60	0.182	30.00	-7.40
		3840.00	-1.50	162 / 0	22.01	20.51	0.112	30.00	-8.49
		3735.00	-1.50	180 / 0	25.91	24.41	0.276	30.00	-5.59
	16-QAM	3840.00	-1.50	180 / 0	25.87	24.37	0.274	30.00	-5.63
		3945.00	-1.50	180 / 0	25.73	24.23	0.265	30.00	-5.77
	256-QAM	3735.00	-1.50	1 / 90	25.90	24.40	0.275	30.00	-5.60
		3840.00	-1.50	1 / 90	25.67	24.17	0.261	30.00	-5.83
70 MHz	π/2 BPSK	3945.00	-1.50	1 / 90	25.75	24.25	0.266	30.00	-5.75
		3840.00	-1.50	1 / 90	24.81	23.31	0.214	30.00	-6.69
		3840.00	-1.50	180 / 0	24.00	22.50	0.178	30.00	-7.50
	QPSK	3735.00	-1.50	180 / 0	22.05	20.55	0.114	30.00	-8.45
		3740.01	-1.50	216 / 0	25.83	24.33	0.271	30.00	-5.67
		3939.99	-1.50	216 / 0	25.81	24.31	0.270	30.00	-5.69
	16-QAM	3939.99	-1.50	1 / 1	25.99	24.49	0.281	30.00	-5.51
		3740.01	-1.50	1 / 108	25.57	24.07	0.255	30.00	-5.93
		3840.00	-1.50	1 / 1	25.82	24.32	0.270	30.00	-5.68
	256-QAM	3939.99	-1.50	1 / 1	25.80	24.30	0.269	30.00	-5.70
		3840.00	-1.50	1 / 108	24.68	23.18	0.208	30.00	-6.82
80 MHz	π/2 BPSK	3840.00	-1.50	216 / 0	23.76	22.26	0.168	30.00	-7.74
		3840.00	-1.50	216 / 0	21.82	20.32	0.108	30.00	-8.68
		3745.02	-1.50	243 / 0	25.93	24.43	0.277	30.00	-5.57
	QPSK	3840.00	-1.50	243 / 0	25.95	24.45	0.279	30.00	-5.55
		3934.98	-1.50	1 / 1	25.95	24.45	0.279	30.00	-5.55
		3745.02	-1.50	1 / 1	25.64	24.14	0.259	30.00	-5.86
	16-QAM	3840.00	-1.50	1 / 243	25.96	24.46	0.279	30.00	-5.54
		3934.98	-1.50	1 / 243	25.85	24.35	0.272	30.00	-5.65
		3840.00	-1.50	1 / 120	24.94	23.44	0.221	30.00	-6.56
	256-QAM	3840.00	-1.50	243 / 0	23.86	22.36	0.172	30.00	-7.64
		3745.02	-1.50	243 / 0	21.88	20.38	0.109	30.00	-8.62
100 MHz	π/2 BPSK	3750.00	-1.50	270 / 0	25.76	24.26	0.267	30.00	-5.74
		3840.00	-1.50	270 / 0	25.77	24.27	0.267	30.00	-5.73
		3930.00	-1.50	270 / 0	25.73	24.23	0.265	30.00	-5.77
	QPSK	3750.00	-1.50	1 / 135	25.79	24.29	0.269	30.00	-5.71
		3840.00	-1.50	1 / 135	25.97	24.47	0.280	30.00	-5.53
		3930.00	-1.50	1 / 271	25.72	24.22	0.264	30.00	-5.78
	16-QAM	3840.00	-1.50	1 / 135	24.87	23.37	0.217	30.00	-6.63
		3840.00	-1.50	270 / 0	24.06	22.56	0.180	30.00	-7.44
	256-QAM	3840.00	-1.50	270 / 0	22.04	20.54	0.113	30.00	-8.46
		3840.00	-1.50	270 / 0	22.04	20.54	0.113	30.00	-8.46

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-1.50	24 / 0	25.26	23.76	0.238	30.00	-6.24
		3840.00	-1.50	24 / 0	25.49	23.99	0.251	30.00	-6.01
		3975.00	-1.50	24 / 0	25.36	23.86	0.243	30.00	-6.14
		3705.00	-1.50	1 / 22	25.23	23.73	0.236	30.00	-6.27
	QPSK	3840.00	-1.50	1 / 1	25.38	23.88	0.244	30.00	-6.12
		3975.00	-1.50	1 / 1	25.28	23.78	0.239	30.00	-6.22
	16-QAM	3840.00	-1.50	1 / 22	24.25	22.75	0.188	30.00	-7.25
		64-QAM	3840.00	-1.50	24 / 0	23.59	22.09	0.162	30.00
	256-QAM	3840.00	-1.50	24 / 0	21.61	20.11	0.103	30.00	-9.89
	15 MHz	π/2 BPSK	3707.51	-1.50	1 / 36	25.31	23.81	0.240	30.00
3840.00			-1.50	36 / 0	25.46	23.96	0.249	30.00	-6.04
3972.50			-1.50	36 / 0	25.33	23.83	0.242	30.00	-6.17
3707.51			-1.50	1 / 36	25.26	23.76	0.238	30.00	-6.24
QPSK		3840.00	-1.50	1 / 1	25.40	23.90	0.245	30.00	-6.10
		3972.50	-1.50	1 / 18	25.26	23.76	0.238	30.00	-6.24
16-QAM		3707.51	-1.50	1 / 36	24.35	22.85	0.193	30.00	-7.15
		64-QAM	3840.00	-1.50	36 / 0	23.50	22.00	0.158	30.00
256-QAM		3840.00	-1.50	36 / 0	21.52	20.02	0.100	30.00	-9.99
20 MHz		π/2 BPSK	3710.01	-1.50	50 / 0	25.49	23.99	0.251	30.00
	3840.00		-1.50	50 / 0	25.45	23.95	0.248	30.00	-6.05
	3969.99		-1.50	50 / 0	25.40	23.90	0.245	30.00	-6.10
	3710.01		-1.50	1 / 49	25.49	23.99	0.251	30.00	-6.01
	QPSK	3840.00	-1.50	1 / 1	25.47	23.97	0.249	30.00	-6.03
		3969.99	-1.50	1 / 1	25.44	23.94	0.248	30.00	-6.06
	16-QAM	3969.99	-1.50	1 / 49	24.36	22.86	0.193	30.00	-7.14
		64-QAM	3840.00	-1.50	50 / 0	23.52	22.02	0.159	30.00
	256-QAM	3840.00	-1.50	50 / 0	21.59	20.09	0.102	30.00	-9.91
	25 MHz	π/2 BPSK	3712.50	-1.50	64 / 0	25.28	23.78	0.239	30.00
3840.00			-1.50	64 / 0	25.46	23.96	0.249	30.00	-6.04
3967.50			-1.50	64 / 0	25.28	23.78	0.239	30.00	-6.22
3712.50			-1.50	1 / 63	25.29	23.79	0.239	30.00	-6.21
QPSK		3840.00	-1.50	1 / 32	25.41	23.91	0.246	30.00	-6.09
		3967.50	-1.50	1 / 32	25.29	23.79	0.239	30.00	-6.21
16-QAM		3840.00	-1.50	1 / 32	24.20	22.70	0.186	30.00	-7.30
		64-QAM	3840.00	-1.50	64 / 0	23.59	22.09	0.162	30.00
256-QAM		3840.00	-1.50	64 / 0	21.56	20.06	0.101	30.00	-9.94
30 MHz		π/2 BPSK	3715.02	-1.50	75 / 0	25.27	23.77	0.238	30.00
	3840.00		-1.50	75 / 0	25.40	23.90	0.245	30.00	-6.10
	3964.98		-1.50	1 / 76	25.23	23.73	0.236	30.00	-6.27
	3715.02		-1.50	1 / 76	25.39	23.89	0.245	30.00	-6.11
	QPSK	3840.00	-1.50	1 / 76	25.47	23.97	0.249	30.00	-6.03
		3964.98	-1.50	1 / 1	25.30	23.80	0.240	30.00	-6.20
	16-QAM	3840.00	-1.50	1 / 76	24.48	22.98	0.199	30.00	-7.02
		256-QAM	3840.00	-1.50	75 / 0	23.55	22.05	0.160	30.00
	64-QAM	3840.00	-1.50	75 / 0	21.52	20.02	0.100	30.00	-9.98
	40 MHz	π/2 BPSK	3720.00	-1.50	100 / 0	25.43	23.93	0.247	30.00
3840.00			-1.50	100 / 0	25.42	23.92	0.247	30.00	-6.08
3960.00			-1.50	100 / 0	25.24	23.74	0.237	30.00	-6.26
3720.00			-1.50	1 / 50	25.28	23.78	0.239	30.00	-6.22
QPSK		3840.00	-1.50	1 / 1	25.33	23.83	0.242	30.00	-6.17
		3960.00	-1.50	1 / 1	25.23	23.73	0.236	30.00	-6.27
16-QAM		3840.00	-1.50	1 / 104	24.31	22.81	0.191	30.00	-7.19
		64-QAM	3720.00	-1.50	100 / 0	23.52	22.02	0.159	30.00
256-QAM		3840.00	-1.50	100 / 0	21.54	20.04	0.101	30.00	-9.96
50 MHz		π/2 BPSK	3725.01	-1.50	128 / 0	25.44	23.94	0.248	30.00
	3840.00		-1.50	128 / 0	25.49	23.99	0.251	30.00	-6.01
	3954.99		-1.50	128 / 0	25.36	23.86	0.243	30.00	-6.14
	3725.01		-1.50	1 / 64	25.28	23.78	0.239	30.00	-6.22
	QPSK	3840.00	-1.50	1 / 64	25.36	23.86	0.243	30.00	-6.14
		3954.99	-1.50	1 / 64	25.20	23.70	0.234	30.00	-6.30
	16-QAM	3840.00	-1.50	1 / 64	24.23	22.73	0.187	30.00	-7.27
		64-QAM	3725.01	-1.50	128 / 0	23.46	21.96	0.157	30.00
	256-QAM	3840.00	-1.50	128 / 0	21.53	20.03	0.101	30.00	-9.97
	60 MHz	π/2 BPSK	3730.02	-1.50	162 / 0	25.49	23.99	0.251	30.00
3840.00			-1.50	162 / 0	25.44	23.94	0.248	30.00	-6.06
3949.98			-1.50	162 / 0	25.30	23.80	0.240	30.00	-6.20
3730.02			-1.50	1 / 81	25.33	23.83	0.242	30.00	-6.17
QPSK		3840.00	-1.50	1 / 160	25.39	23.89	0.245	30.00	-6.11
		3949.98	-1.50	1 / 160	25.23	23.73	0.236	30.00	-6.27
16-QAM		3840.00	-1.50	1 / 160	24.28	22.78	0.190	30.00	-7.22
		64-QAM	3730.02	-1.50	162 / 0	23.35	21.85	0.153	30.00
256-QAM		3840.00	-1.50	162 / 0	21.37	19.87	0.097	30.00	-10.13
70 MHz		π/2 BPSK	3735.00	-1.50	180 / 0	25.41	23.91	0.246	30.00
	3840.00		-1.50	180 / 0	25.45	23.95	0.248	30.00	-6.05
	3945.00		-1.50	180 / 0	25.32	23.82	0.241	30.00	-6.18
	3735.00		-1.50	1 / 90	25.31	23.81	0.240	30.00	-6.19
	QPSK	3840.00	-1.50	1 / 90	25.39	23.89	0.245	30.00	-6.11
		3945.00	-1.50	1 / 1	25.33	23.83	0.242	30.00	-6.17
	16-QAM	3840.00	-1.50	1 / 90	24.31	22.81	0.191	30.00	-7.19
		64-QAM	3840.00	-1.50	180 / 0	23.48	21.98	0.158	30.00
	256-QAM	3840.00	-1.50	180 / 0	21.47	19.97	0.099	30.00	-10.03
	80 MHz	π/2 BPSK	3740.01	-1.50	216 / 0	25.39	23.89	0.245	30.00
3840.00			-1.50	1 / 215	25.45	23.95	0.248	30.00	-6.05
3939.99			-1.50	1 / 1	25.39	23.89	0.245	30.00	-6.11
3740.01			-1.50	1 / 108	25.27	23.77	0.238	30.00	-6.23
QPSK		3840.00	-1.50	1 / 215	25.46	23.96	0.249	30.00	-6.04
		3939.99	-1.50	1 / 1	25.42	23.92	0.247	30.00	-6.08
16-QAM		3939.99	-1.50	1 / 1	24.49	22.99	0.199	30.00	-7.01
		64-QAM	3840.00	-1.50	216 / 0	23.52	22.02	0.159	30.00
256-QAM		3840.00	-1.50	216 / 0	21.51	20.01	0.100	30.00	-9.99
90 MHz		π/2 BPSK	3745.02	-1.50	243 / 0	25.34	23.84	0.242	30.00
	3840.00		-1.50	1 / 243	25.34	23.84	0.242	30.00	-6.16
	3934.98		-1.50	1 / 1	25.14	23.64	0.231	30.00	-6.36
	3745.02		-1.50	1 / 120	25.07	23.57	0.228	30.00	-6.43
	QPSK	3840.00	-1.50	1 / 243	25.46	23.96	0.249	30.00	-6.04
		3934.98	-1.50	1 / 1	25.33	23.83	0.242	30.00	-6.17
	16-QAM	3934.98	-1.50	1 / 1	24.33	22.83	0.192	30.00	-7.17
		64-QAM	3840.00	-1.50	243 / 0	23.42	21.92	0.156	30.00
	256-QAM	3840.00	-1.50	243 / 0	21.49	19.99	0.100	30.00	-10.01
	100 MHz	π/2 BPSK	3750.00	-1.50	270 / 0	25.38	23.88	0.244	30.00
3840.00			-1.50	270 / 0	25.49	23.99	0.251	30.00	-6.01
3930.00			-1.50	270 / 0	25.23	23.73	0.236	30.00	-6.27
QPSK		3750.00	-1.50	1 / 135	25.10	23.60	0.229	30.00	-6.40
		3840.00	-1.50	1 / 135	25.23	23.73	0.236	30.00	-6.27
		3930.00	-1.50	1 / 1	25.18	23.68	0.233	30.00	-6.32
16-QAM		3840.00	-1.50	1 / 135	24.14	22.64	0.184	30.00	-7.36
64-QAM	3840.00	-1.50	270 / 0	23.36	21.86	0.153	30.00	-8.14	
256-QAM	3840.00	-1.50	270 / 0	21.41	19.91	0.098	30.00	-10.09	

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

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Test Setup

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

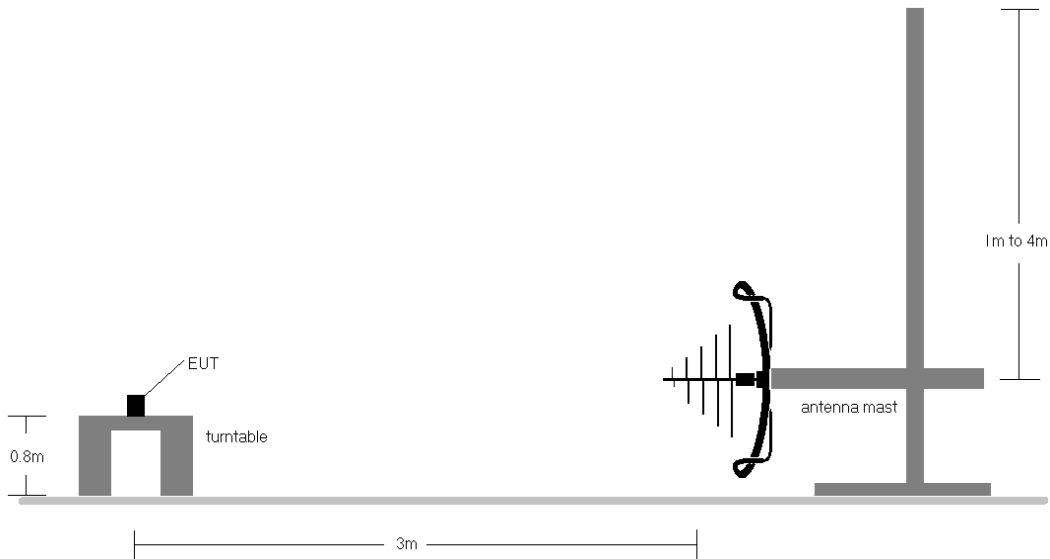


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

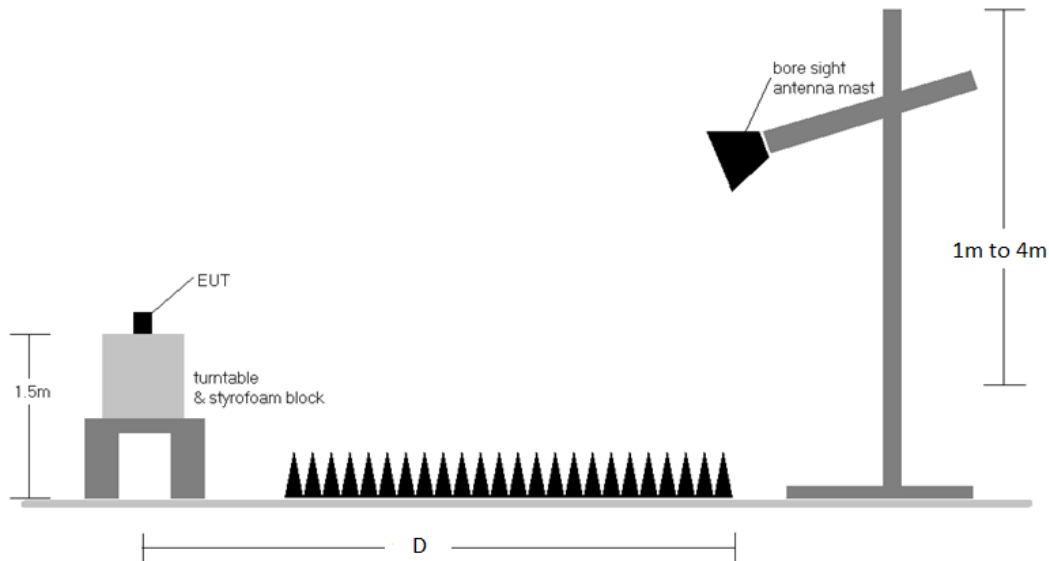


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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Test Notes

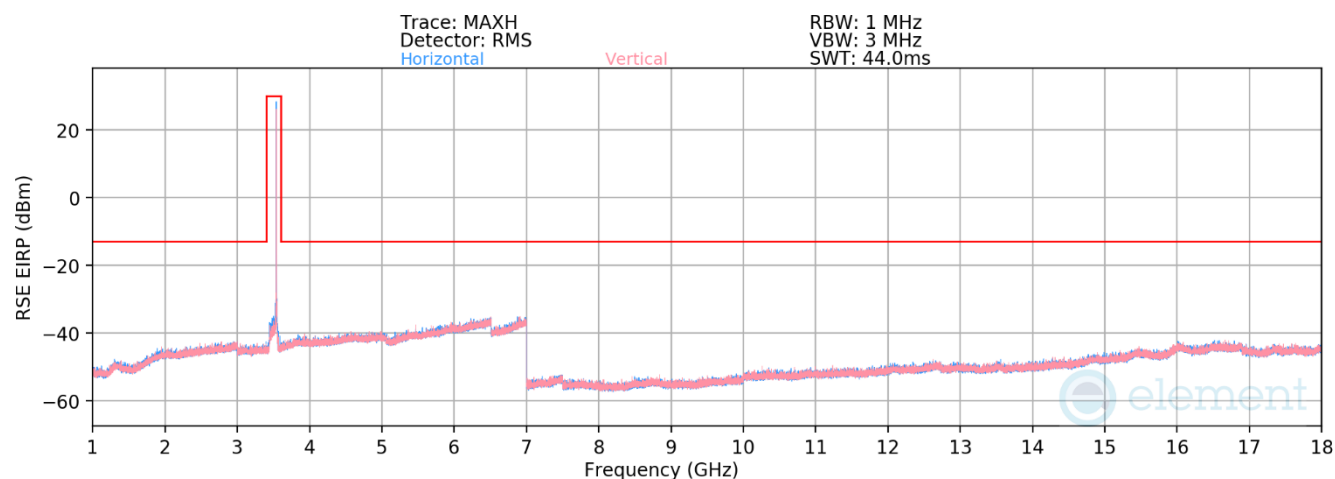
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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. No significant emissions were found for below 1GHz.
6. 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.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. 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.
9. 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.
10. Pre-scan plots have been reported for the highest power antenna while measurements have been reported for all antennas.

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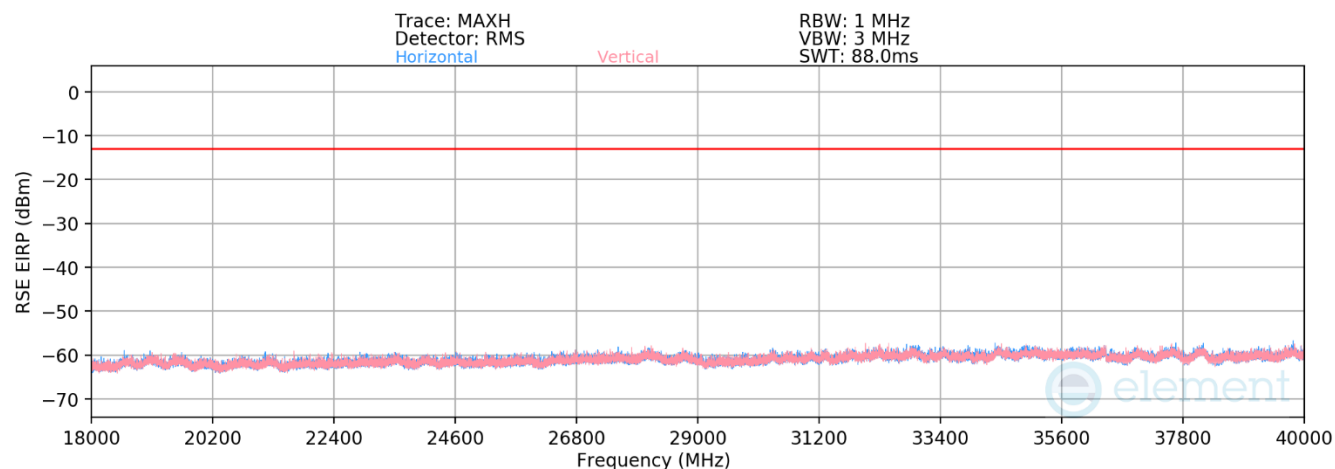
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7.7.1 Antenna 3a Radiated Spurious Emission Measurements

NR Band n77 DoD Band



Plot 7-403. Antenna 3a Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 DoD Band)



Plot 7-404. Antenna 3a Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band)

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Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 120

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	-	-	-78.06	5.95	34.89	-60.36	-13.00	-47.36
10485.0	H	-	-	-79.28	9.22	36.94	-58.32	-13.00	-45.32
13980.0	H	-	-	-80.62	13.52	39.90	-55.36	-13.00	-42.36

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

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
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]
7000.0	H	-	-	-78.10	5.95	34.85	-60.41	-13.00	-47.41
10500.0	V	-	-	-79.14	9.04	36.90	-58.36	-13.00	-45.36
14000.0	H	-	-	-80.75	13.68	39.93	-55.32	-13.00	-42.32

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

Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 120

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	-	-	-77.79	5.95	35.16	-60.09	-13.00	-47.09
10515.0	V	329	335	-68.82	8.99	47.16	-48.09	-13.00	-35.09
14020.0	H	-	-	-80.59	13.55	39.97	-55.29	-13.00	-42.29
17525.0	V	-	-	-81.41	18.32	43.92	-51.34	-13.00	-38.34

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

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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	-	-	-77.47	6.21	35.74	-59.52	-13.00	-46.52
11250.0	V	234	321	-74.63	9.76	42.13	-53.13	-13.00	-40.13
15000.0	H	-	-	-81.26	16.16	41.91	-53.35	-13.00	-40.35

Table 7-21. Antenna 3a 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	-	-	-76.52	5.96	36.44	-58.82	-13.00	-45.82
11520.0	V	-	-	-78.96	10.09	38.14	-57.12	-13.00	-44.12
15360.0	V	-	-	-80.44	16.69	43.25	-52.01	-13.00	-39.01

Table 7-22. Antenna 3a 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	-	-	-77.69	6.09	35.40	-59.86	-13.00	-46.86
11790.0	V	-	-	-79.55	11.23	38.67	-56.59	-13.00	-43.59
15720.0	V	-	-	-81.45	17.69	43.24	-52.02	-13.00	-39.02

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

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.2 Antenna 2 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 120

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	-	-	-77.92	5.95	35.03	-60.23	-13.00	-47.23
10485.0	H	-	-	-79.37	9.06	36.69	-58.56	-13.00	-45.56
13980.0	H	-	-	-80.54	13.72	40.17	-55.09	-13.00	-42.09

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

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
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]
7000.0	H	-	-	-77.75	6.14	35.39	-59.87	-13.00	-46.87
10500.0	H	-	-	-78.71	8.50	36.79	-58.47	-13.00	-45.47
14000.0	V	-	-	-80.33	13.07	39.73	-55.53	-13.00	-42.53

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

Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 120

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	-	-	-77.71	5.95	35.24	-60.02	-13.00	-47.02
10515.0	V	-	-	-78.84	9.00	37.16	-58.10	-13.00	-45.10
14020.0	H	-	-	-80.59	13.55	39.96	-55.30	-13.00	-42.30

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

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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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	H	-	-	-77.68	6.08	35.40	-59.86	-13.00	-46.86
11250.0	H	-	-	-79.19	9.62	37.43	-57.83	-13.00	-44.83
15000.0	V	-	-	-81.12	16.16	42.05	-53.21	-13.00	-40.21

Table 7-27. Antenna 2 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	-	-	-77.49	5.86	35.37	-59.89	-13.00	-46.89
11520.0	H	-	-	-79.72	10.09	37.37	-57.89	-13.00	-44.89
15360.0	V	-	-	-80.50	16.69	43.19	-52.07	-13.00	-39.07

Table 7-28. Antenna 2 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	-	-	-78.16	6.09	34.93	-60.33	-13.00	-47.33
11790.0	H	-	-	-79.47	11.23	38.75	-56.50	-13.00	-43.50
15720.0	H	-	-	-81.31	17.64	43.32	-51.93	-13.00	-38.93

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

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.3 Antenna 4 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 120

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	-	-	-78.13	5.95	34.82	-60.44	-13.00	-47.44
10485.0	V	-	-	-78.89	9.04	37.15	-58.11	-13.00	-45.11
13980.0	H	-	-	-80.84	13.76	39.92	-55.34	-13.00	-42.34

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 / 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]
7000.0	H	-	-	-78.20	6.11	34.92	-60.34	-13.00	-47.34
10500.0	H	-	-	-79.19	9.06	36.87	-58.39	-13.00	-45.39
14000.0	H	-	-	-80.79	13.72	39.93	-55.33	-13.00	-42.33

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 / 120

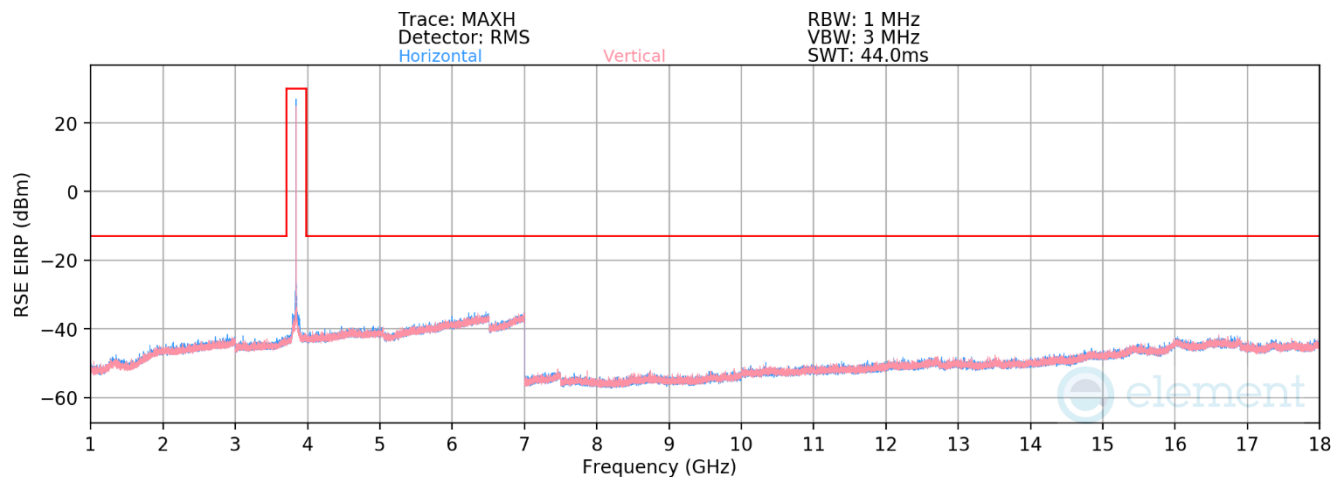
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-77.83	5.95	35.12	-60.13	-13.00	-47.13
10515.0	V	-	-	-78.66	9.00	37.34	-57.92	-13.00	-44.92
14020.0	H	-	-	-80.64	13.55	39.91	-55.34	-13.00	-42.34

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

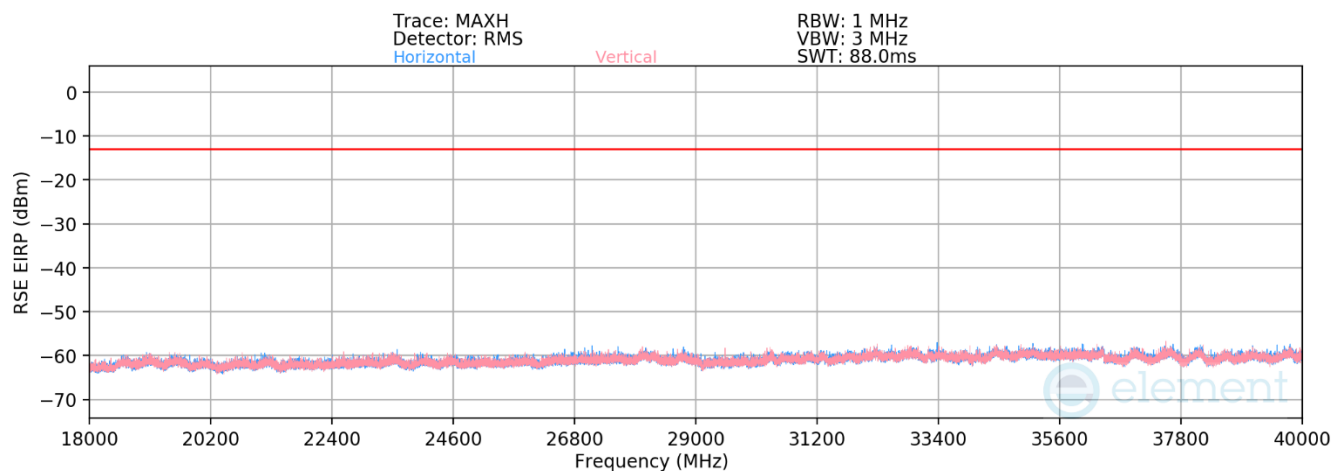
FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n77 C Band



Plot 7-405. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 C Band)



Plot 7-406. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n77 C Band)

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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	-	-	-77.88	6.21	35.32	-59.94	-13.00	-46.94
11250.0	V	-	-	-79.09	9.62	37.53	-57.72	-13.00	-44.72
15000.0	V	-	-	-81.24	16.17	41.92	-53.33	-13.00	-40.33

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	H	-	-	-77.30	5.68	35.37	-59.88	-13.00	-46.88
11520.0	V	-	-	-79.42	10.10	37.67	-57.58	-13.00	-44.58
15360.0	H	-	-	-80.36	16.69	43.33	-51.93	-13.00	-38.93

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	-	-	-77.84	6.03	35.19	-60.06	-13.00	-47.06
11790.0	H	-	-	-79.39	11.23	38.84	-56.42	-13.00	-43.42
15720.0	H	-	-	-81.49	17.64	43.15	-52.11	-13.00	-39.11

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.4 Antenna 1a Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 120

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	-	-	-78.02	5.95	34.93	-60.33	-13.00	-47.33
10485.0	H	-	-	-79.29	9.04	36.75	-58.51	-13.00	-45.51
13980.0	H	-	-	-80.92	13.68	39.77	-55.49	-13.00	-42.49

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 / 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]
7000.0	H	-	-	-78.32	6.11	34.79	-60.47	-13.00	-47.47
10500.0	H	-	-	-79.56	9.22	36.66	-58.59	-13.00	-45.59
14000.0	V	-	-	-80.87	13.76	39.89	-55.37	-13.00	-42.37

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 / 120

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	-	-	-77.91	5.95	35.04	-60.22	-13.00	-47.22
10515.0	V	-	-	-78.98	8.99	37.00	-58.25	-13.00	-45.25
14020.0	H	-	-	-80.59	13.44	39.85	-55.41	-13.00	-42.41

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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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	H	-	-	-77.89	6.21	35.32	-59.94	-13.00	-46.94
11250.0	H	-	-	-79.18	9.62	37.44	-57.82	-13.00	-44.82
15000.0	V	-	-	-81.10	16.11	42.01	-53.25	-13.00	-40.25

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	V	-	-	-77.89	5.96	35.07	-60.19	-13.00	-47.19
11520.0	V	-	-	-79.58	10.09	37.51	-57.74	-13.00	-44.74
15360.0	H	-	-	-80.75	16.69	42.94	-52.32	-13.00	-39.32

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	-	-	-78.21	6.03	34.82	-60.43	-13.00	-47.43
11790.0	H	-	-	-79.73	11.30	38.57	-56.69	-13.00	-43.69
15720.0	H	-	-	-81.55	17.65	43.10	-52.15	-13.00	-39.15

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

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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

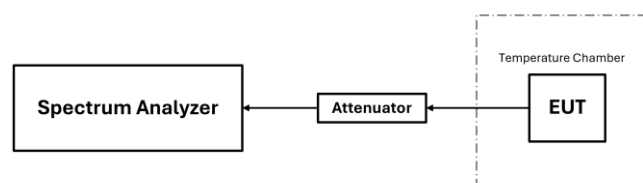


Figure 7-8. FR1 Test Instrument & Measurement Setup

Test Notes

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

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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	3.45071483	-0.00071482
		- 20	3.45003819	-0.00003819
		- 10	3.45095161	-0.00095161
		0	3.45052793	-0.00052793
		+ 10	3.45037652	-0.00037652
		+ 20 (Ref)	3.45088974	-0.00088974
		+ 30	3.45060218	-0.00060218
		+ 40	3.45014098	-0.00014097
		+ 50	3.45077265	-0.00077265
Battery Endpoint	3.40	+ 20	3.45031941	-0.00031940

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	3.54948670	-0.00051330
		- 20	3.54991254	-0.00008746
		- 10	3.54917834	-0.00082166
		0	3.54963148	-0.00036852
		+ 10	3.54905875	-0.00094125
		+ 20 (Ref)	3.54984330	-0.00015670
		+ 30	3.54932941	-0.00067059
		+ 40	3.54976598	-0.00023402
		+ 50	3.54909461	-0.00090539
Battery Endpoint	3.40	+ 20	3.54958327	-0.00041673

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

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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	3.70042864	-0.00042864
		- 20	3.70072154	-0.00072154
		- 10	3.70006825	-0.00006824
		0	3.70085720	-0.00085720
		+ 10	3.70019264	-0.00019264
		+ 20 (Ref)	3.70097329	-0.00097328
		+ 30	3.70051490	-0.00051490
		+ 40	3.70063978	-0.00063978
		+ 50	3.70031563	-0.00031563
Battery Endpoint	3.40	+ 20	3.70089443	-0.00089443

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	3.97981235	-0.00018765
		- 20	3.97914591	-0.00085409
		- 10	3.97996472	-0.00003528
		0	3.97937269	-0.00062731
		+ 10	3.97954312	-0.00045688
		+ 20 (Ref)	3.97900898	-0.00099102
		+ 30	3.97969124	-0.00030876
		+ 40	3.97927659	-0.00072341
		+ 50	3.97985341	-0.00014659
Battery Endpoint	3.40	+ 20	3.97942765	-0.00057235

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

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA3462** complies with all the requirements of Part 27 of the FCC rules.

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