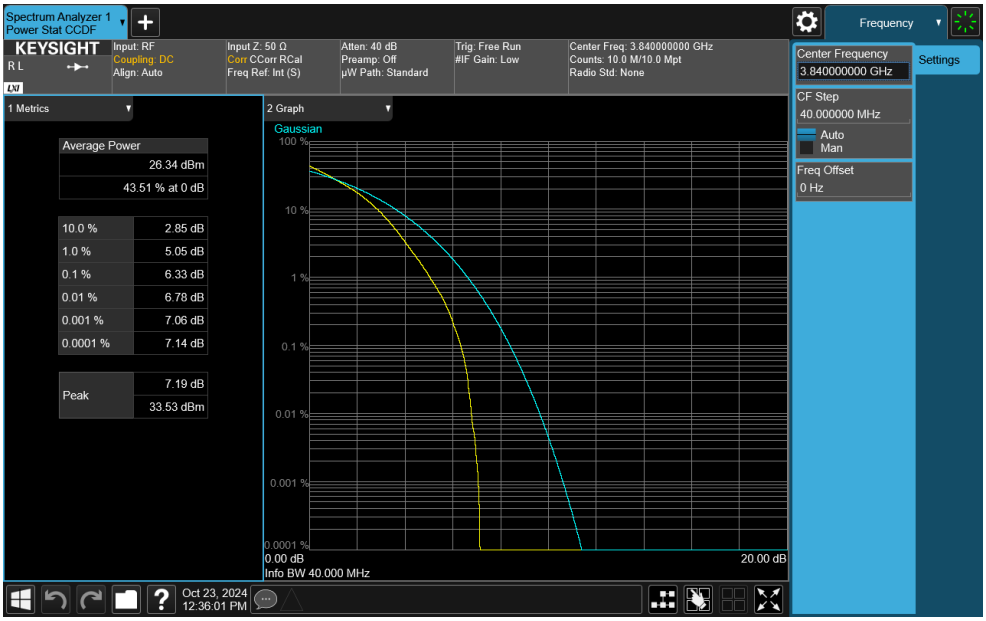
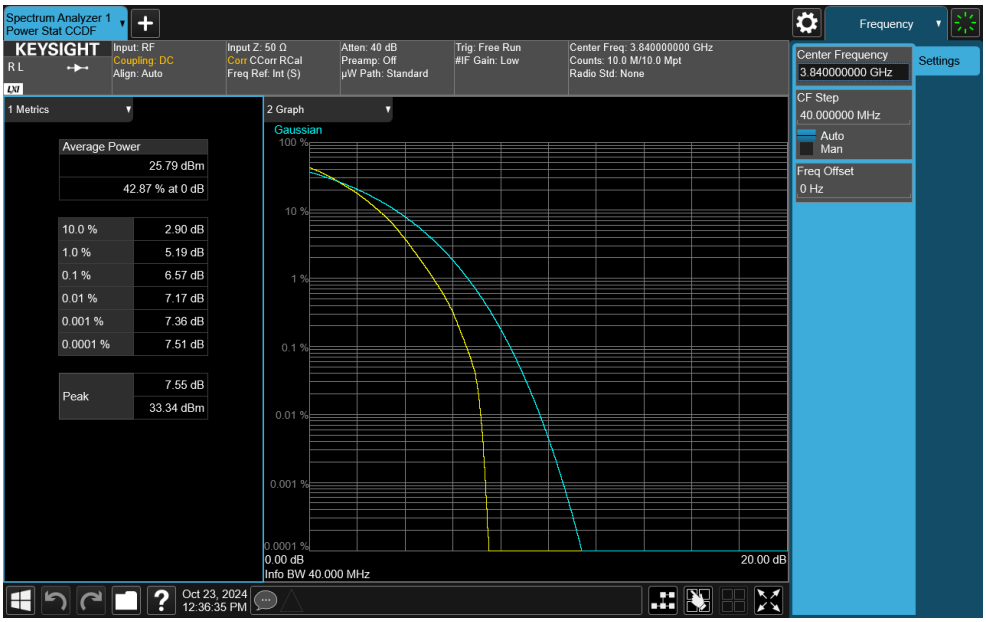
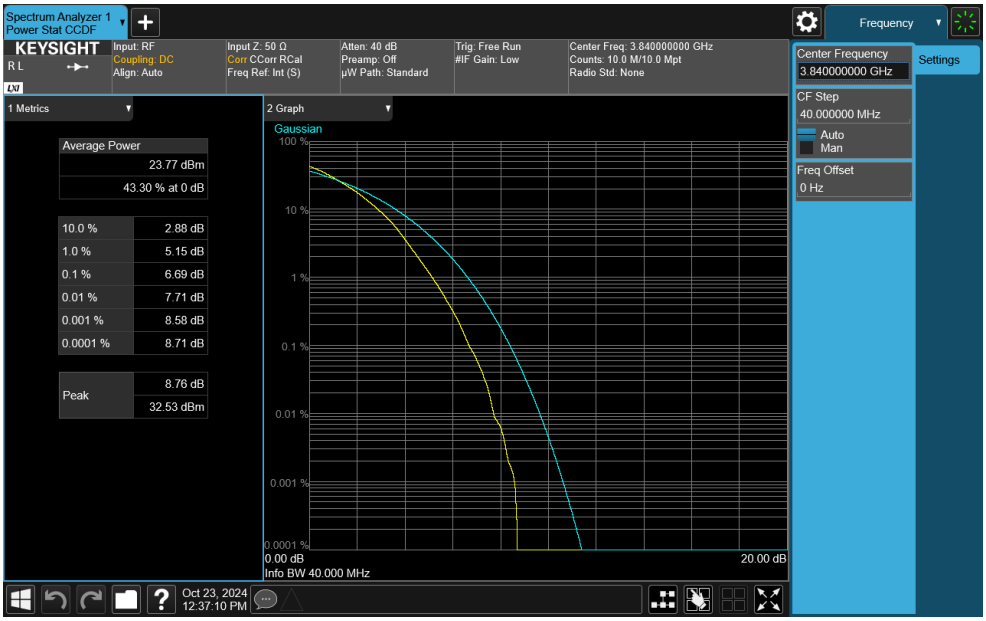


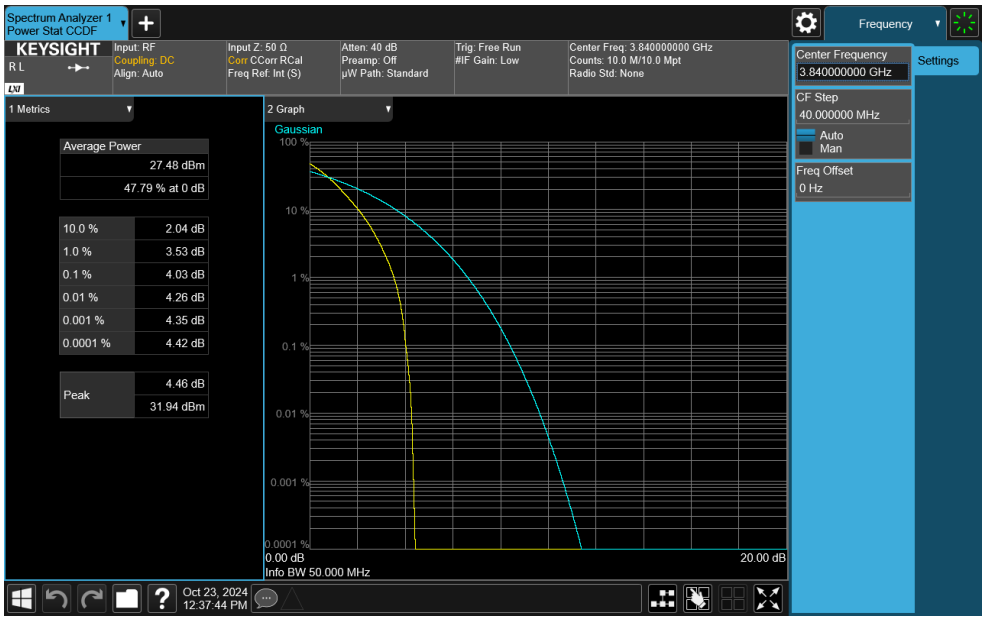
Plot 7-382. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 16-QAM - Full RB)



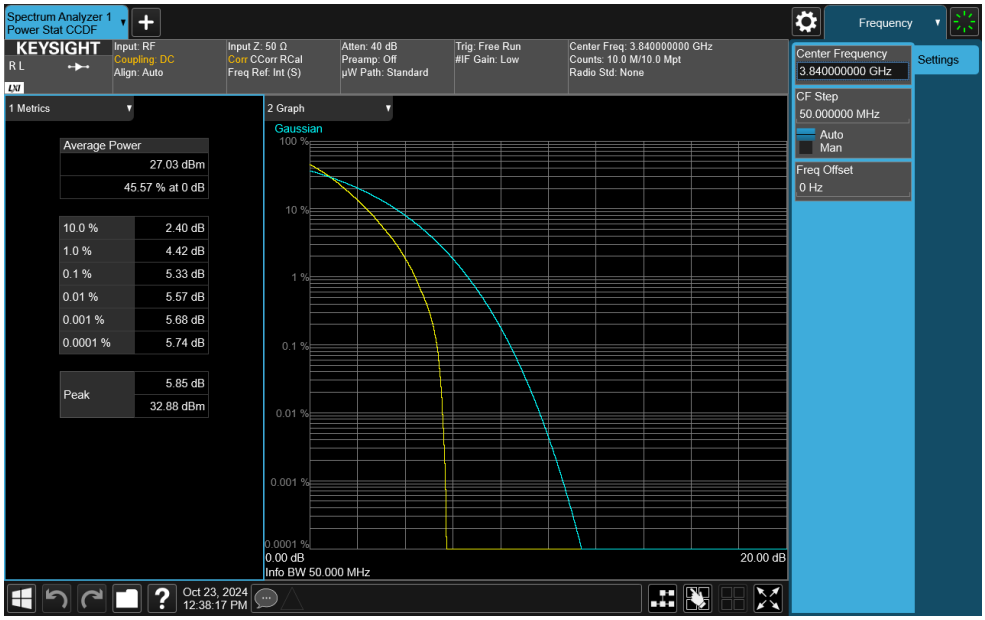
Plot 7-383. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 64-QAM - Full RB)



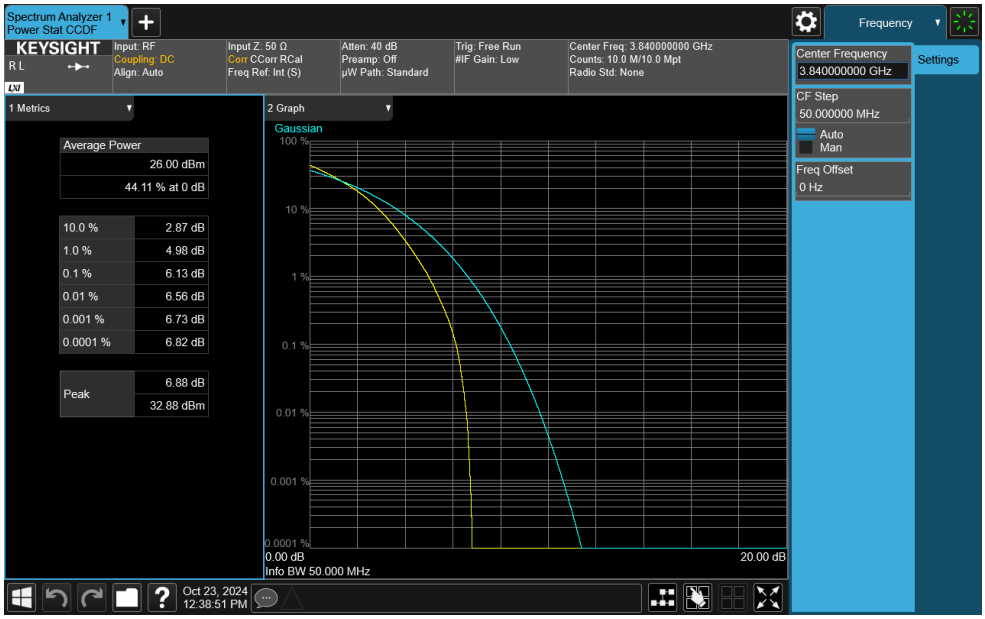
Plot 7-384. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 256-QAM - Full RB)



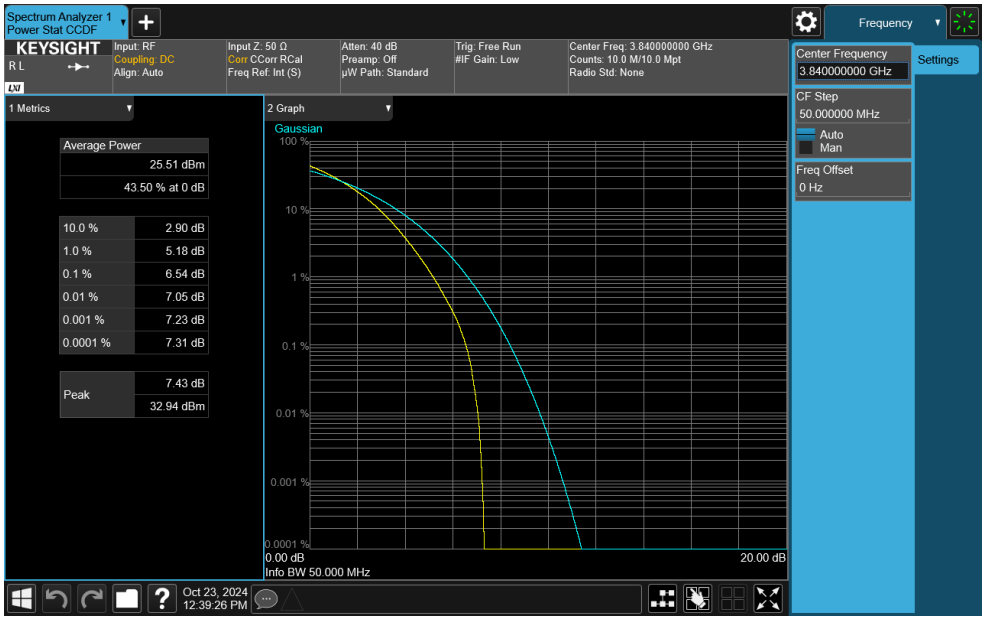
Plot 7-385. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM π/2 BPSK - Full RB)



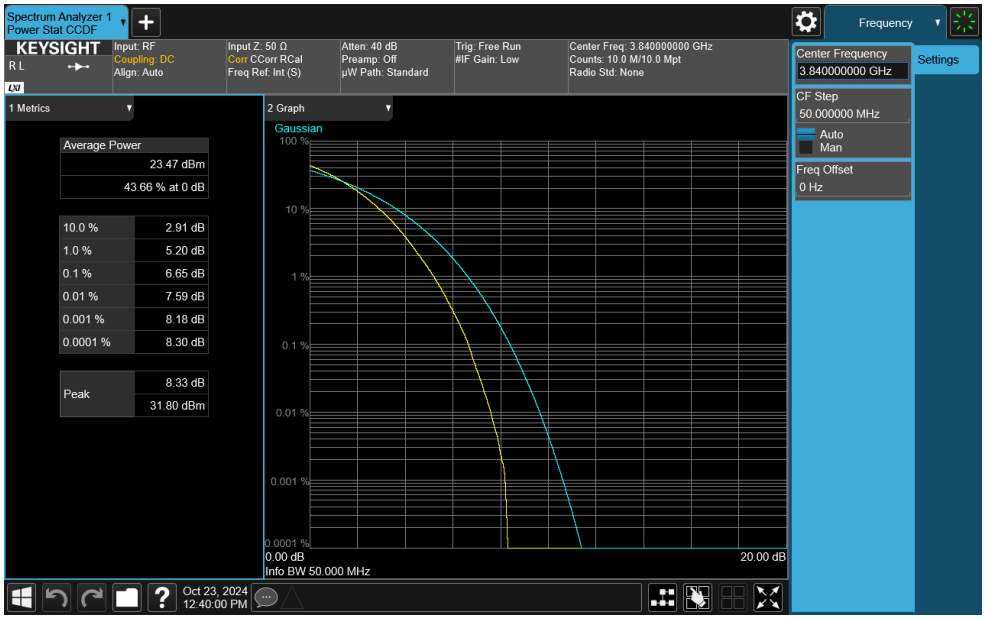
Plot 7-386. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK - Full RB)



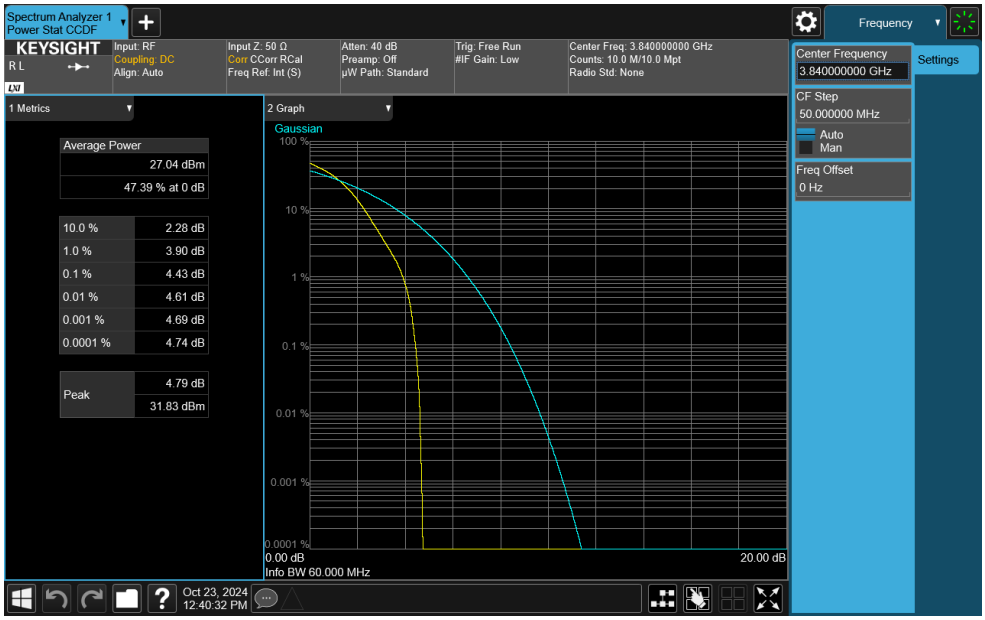
Plot 7-387. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 16-QAM - Full RB)



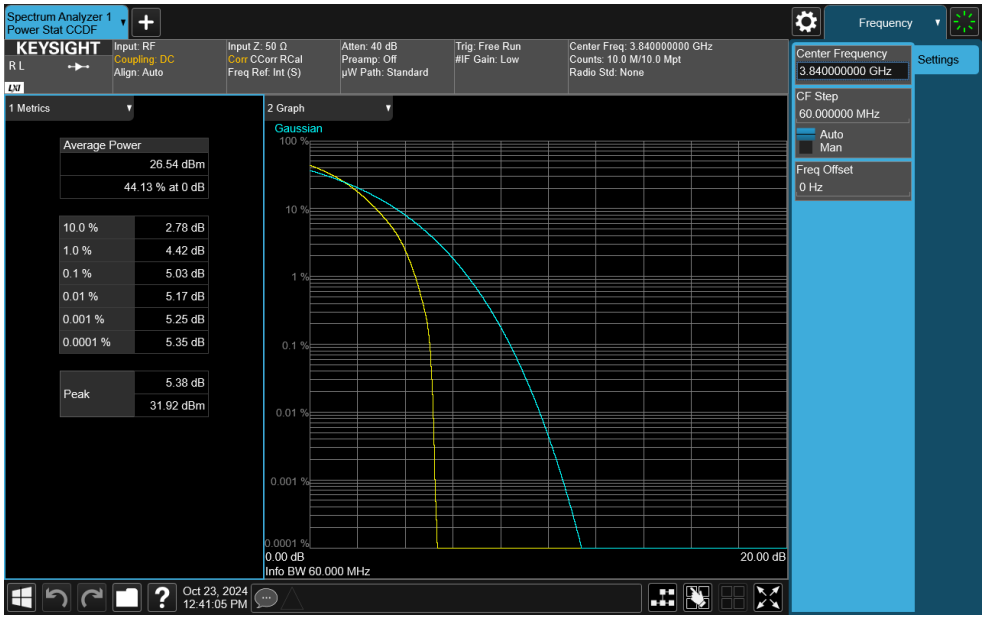
Plot 7-388. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 64-QAM - Full RB)



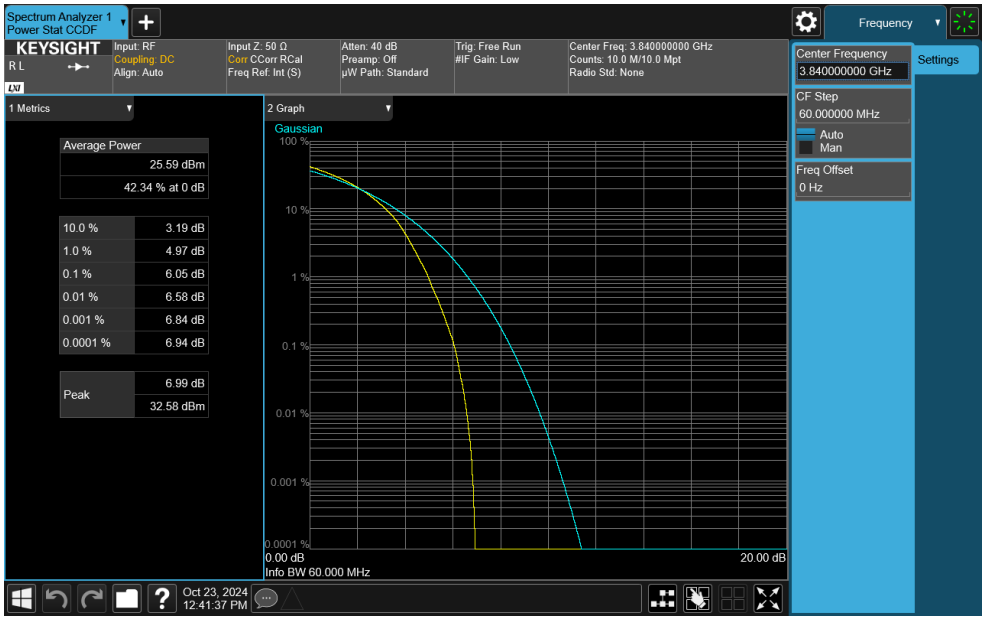
Plot 7-389. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 256-QAM - Full RB)



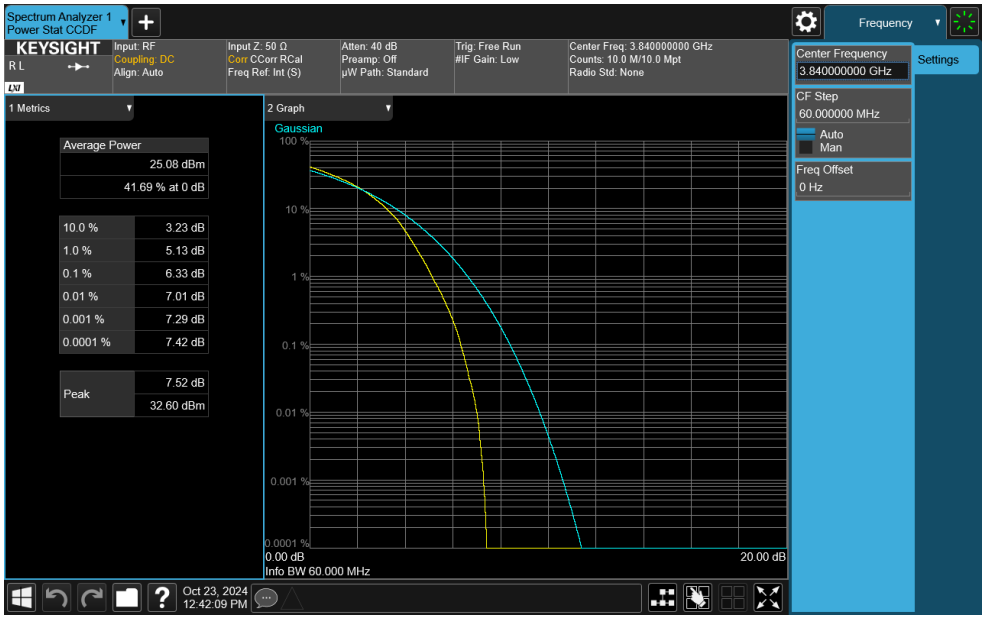
Plot 7-390. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM π/2 BPSK - Full RB)



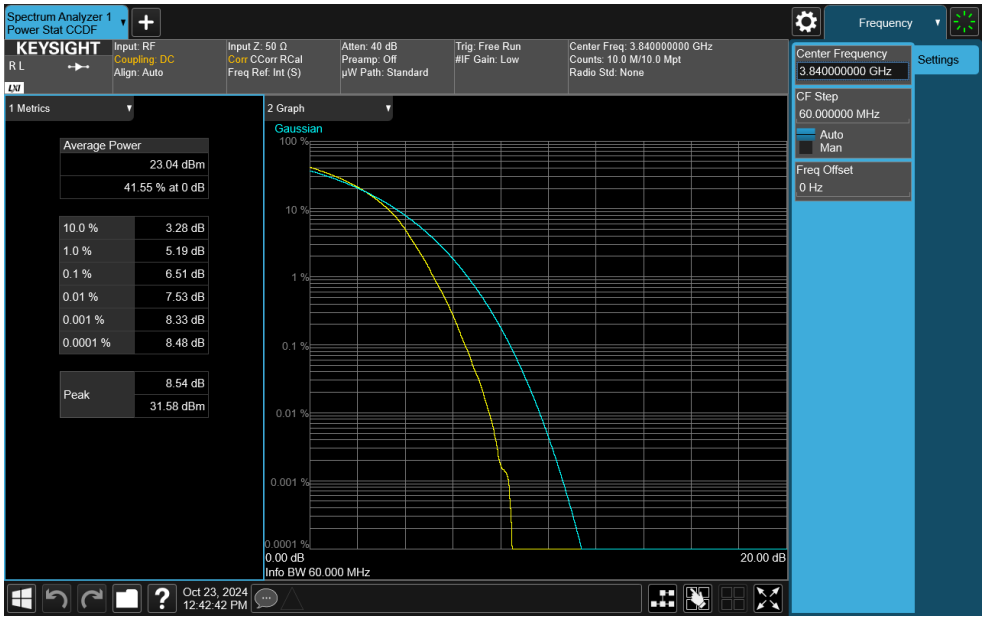
Plot 7-391. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK - Full RB)



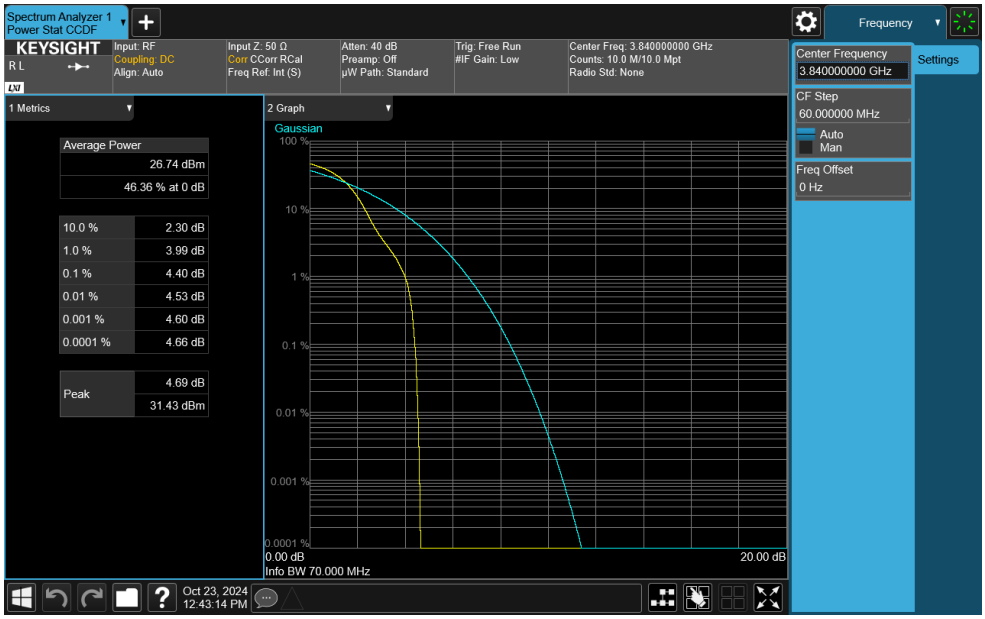
Plot 7-392. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 16-QAM - Full RB)



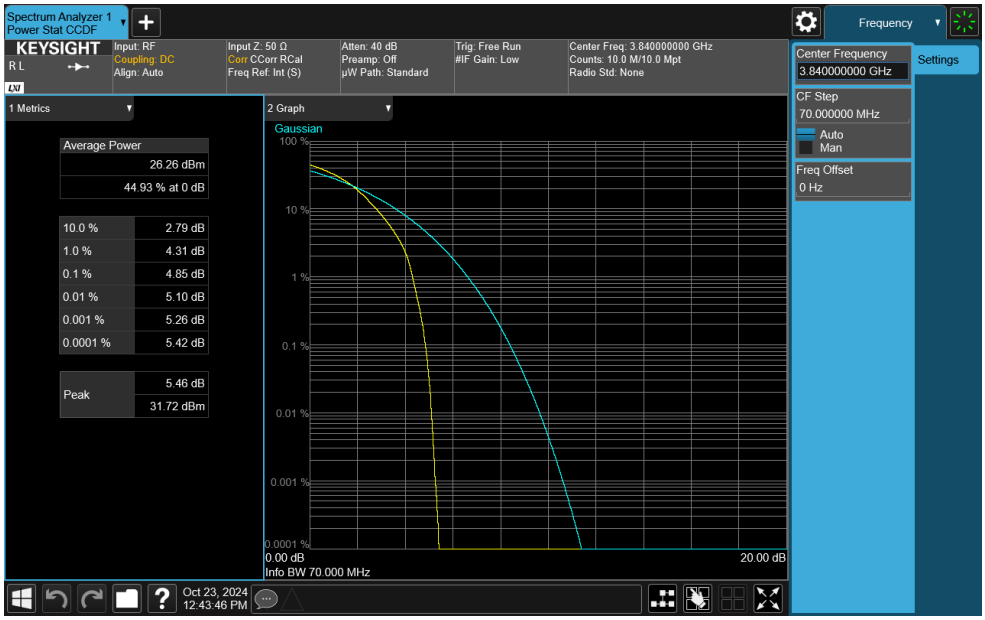
Plot 7-393. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 64-QAM - Full RB)



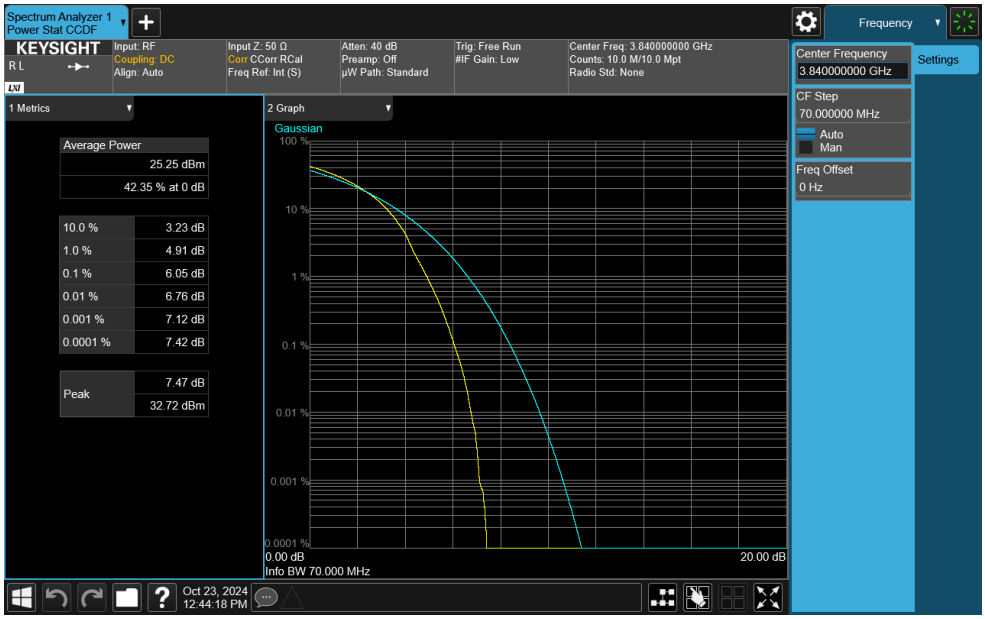
Plot 7-394. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 256-QAM - Full RB)



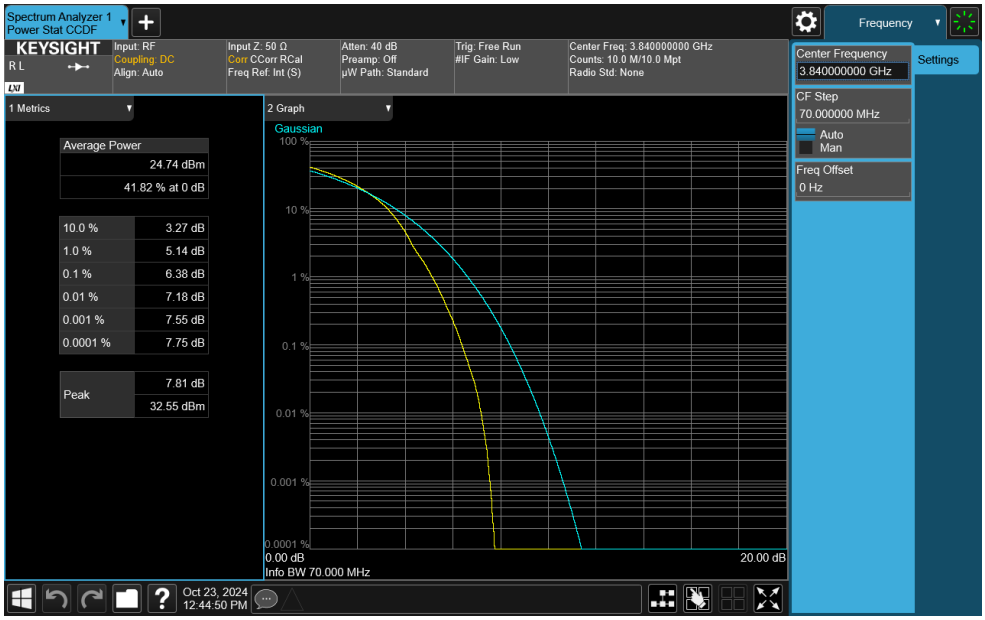
Plot 7-395. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM π/2 BPSK - Full RB)



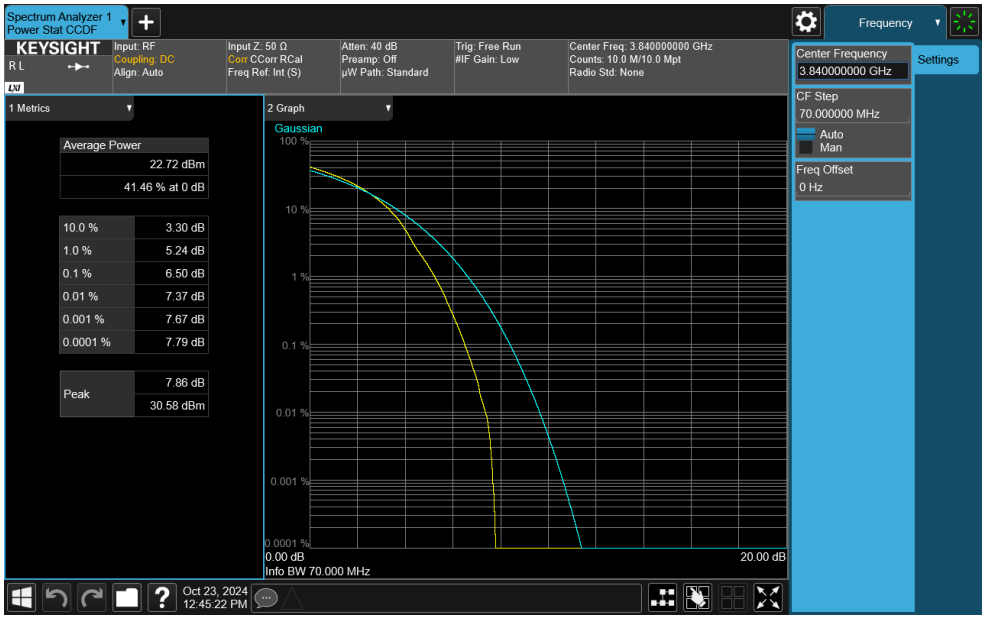
Plot 7-396. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK - Full RB)



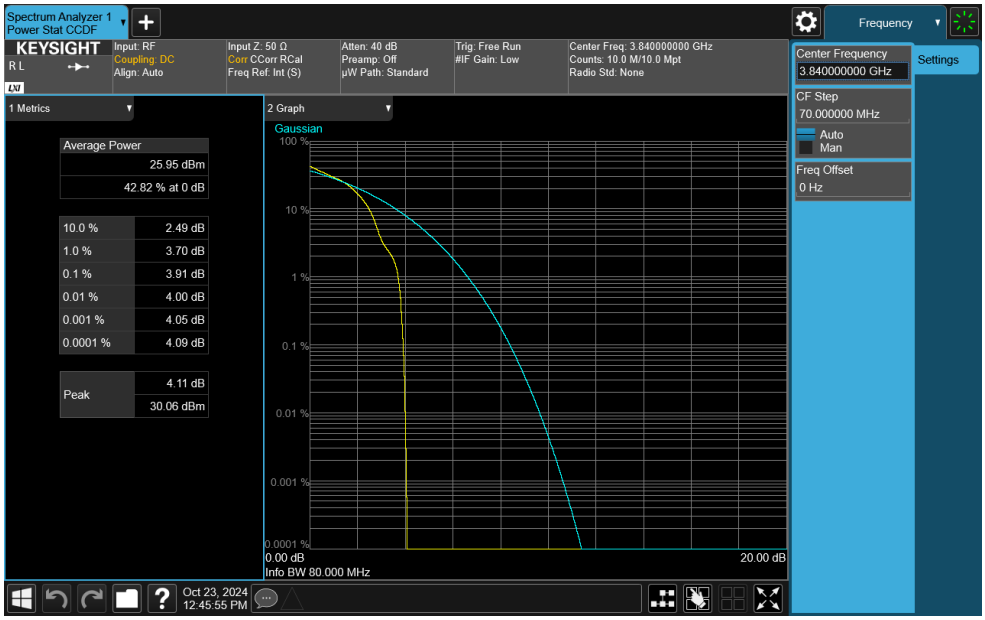
Plot 7-397. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 16-QAM - Full RB)



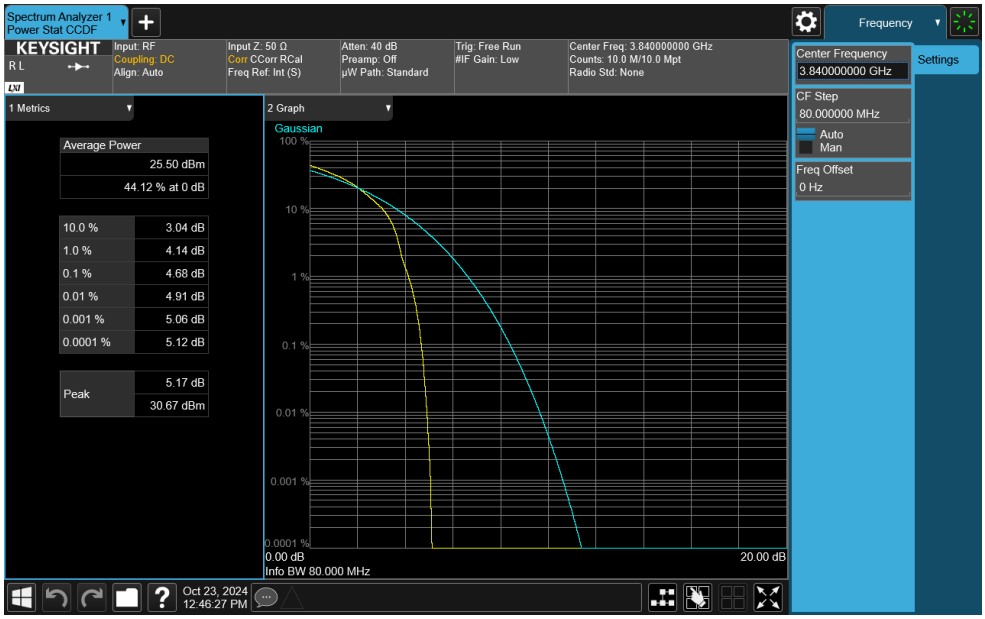
Plot 7-398. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 64-QAM - Full RB)



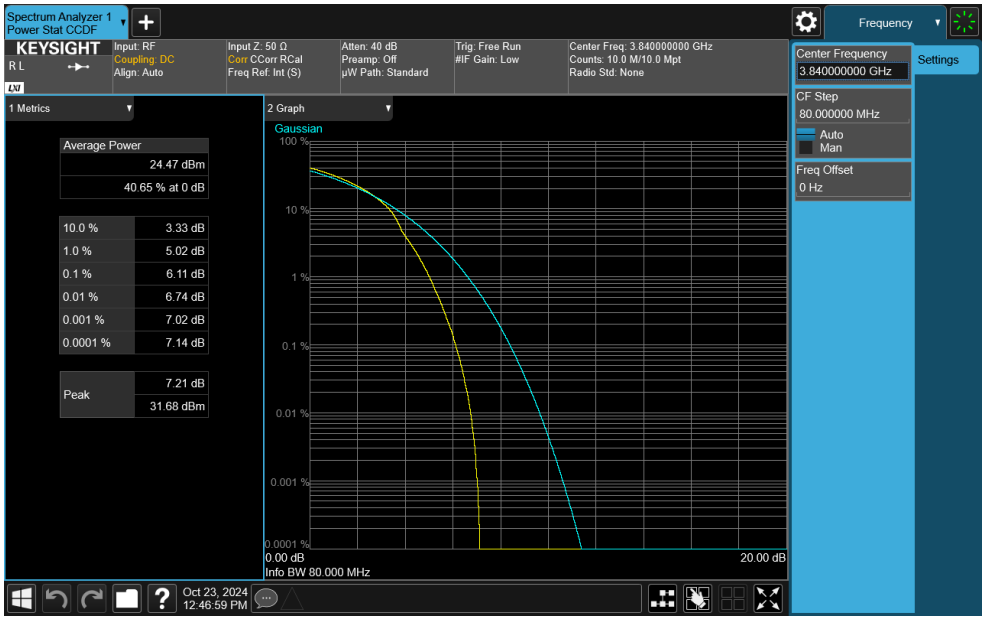
Plot 7-399. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 256-QAM - Full RB)



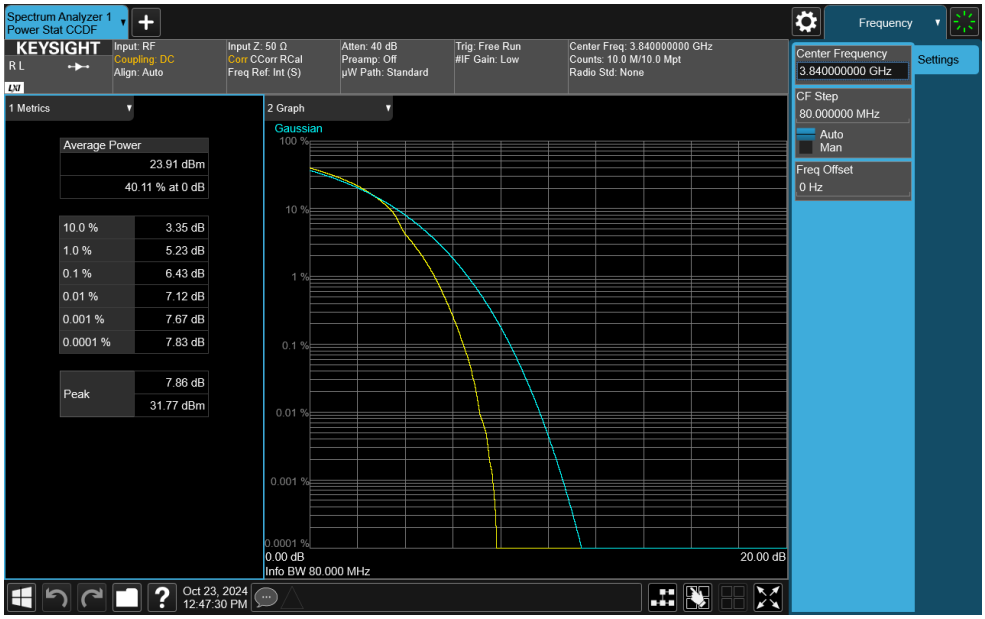
Plot 7-400. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM π/2 BPSK - Full RB)



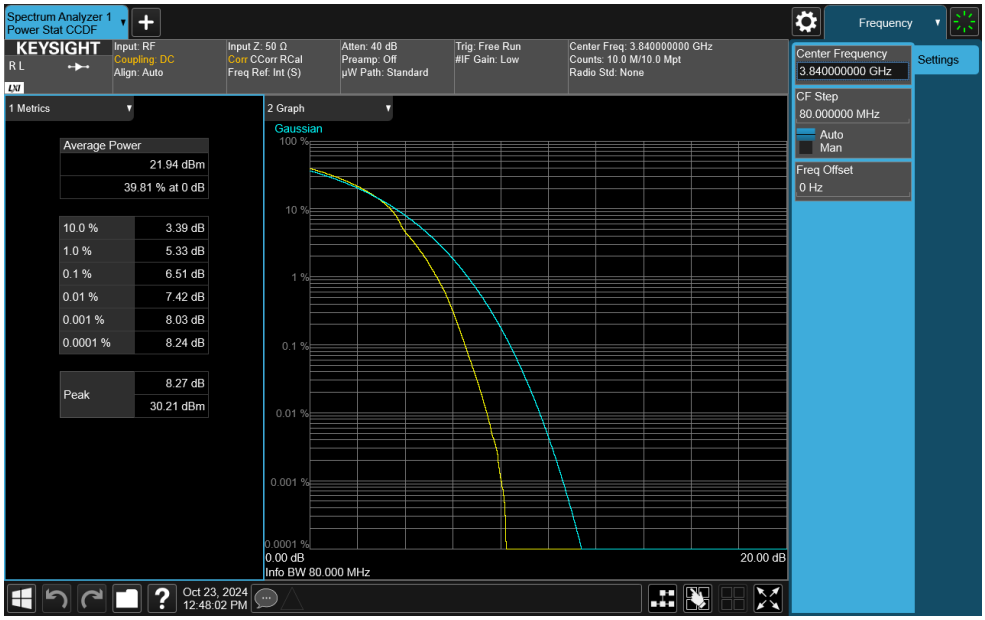
Plot 7-401. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK - Full RB)



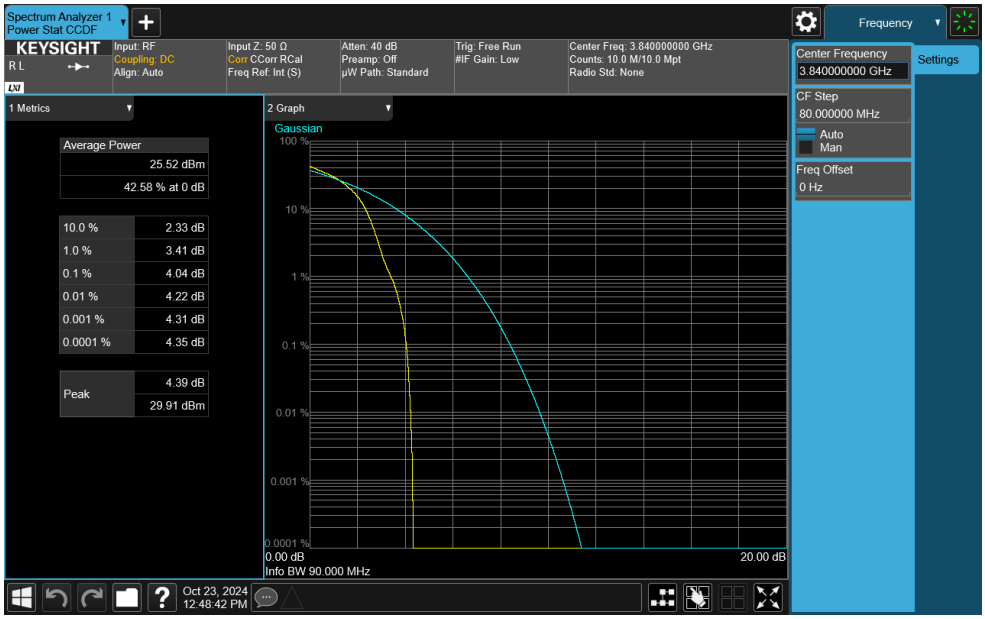
Plot 7-402. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 16-QAM - Full RB)



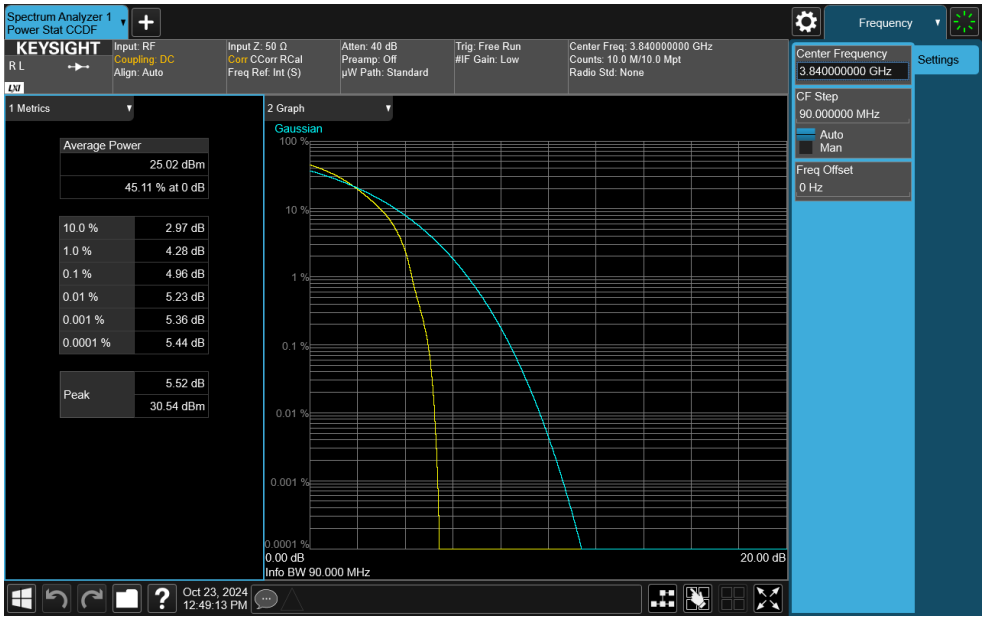
Plot 7-403. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 64-QAM - Full RB)



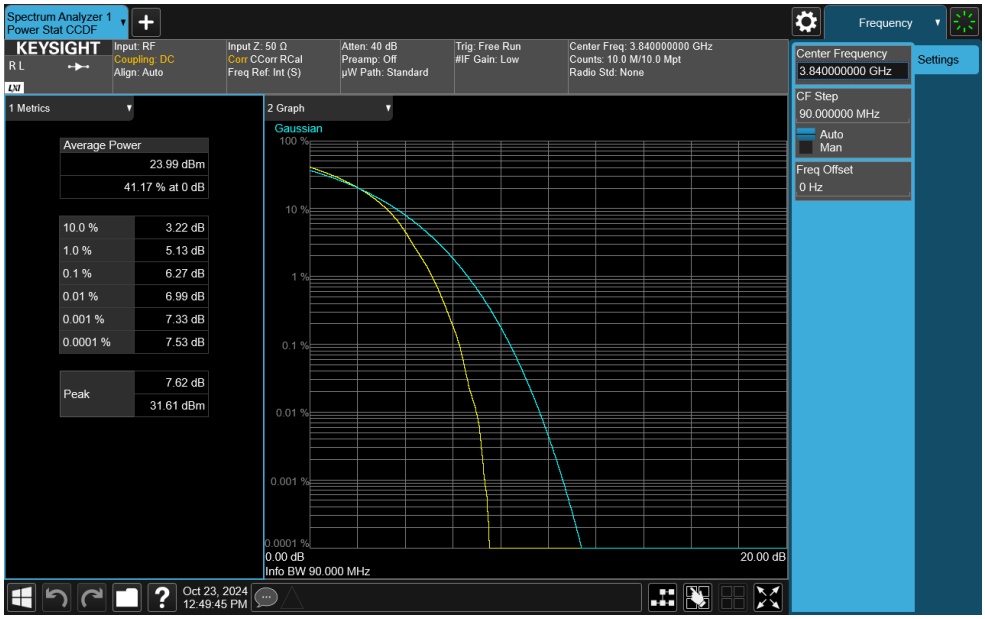
Plot 7-404. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)



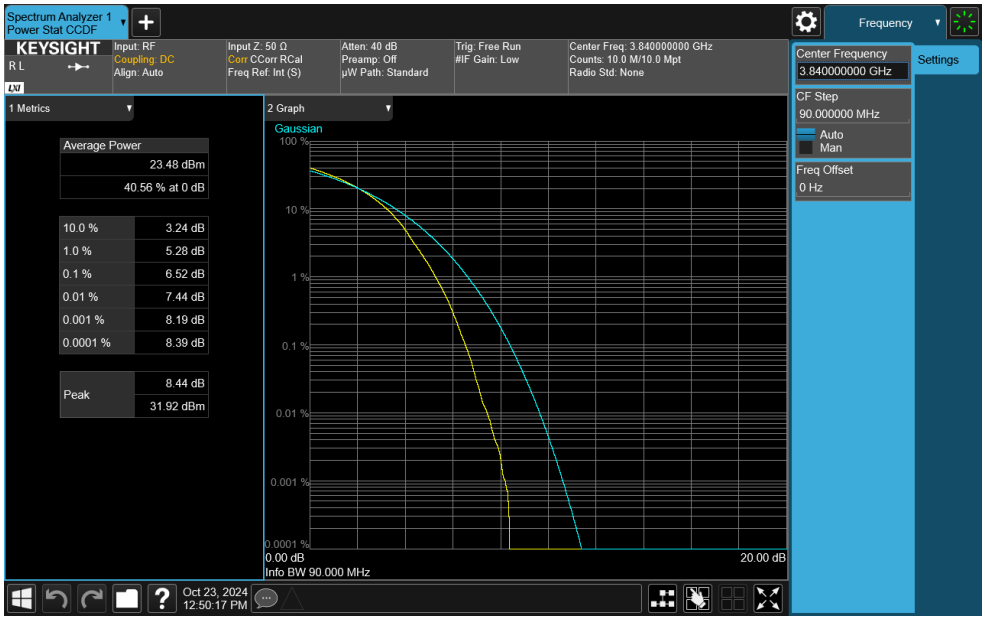
Plot 7-405. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM π/2 BPSK - Full RB)



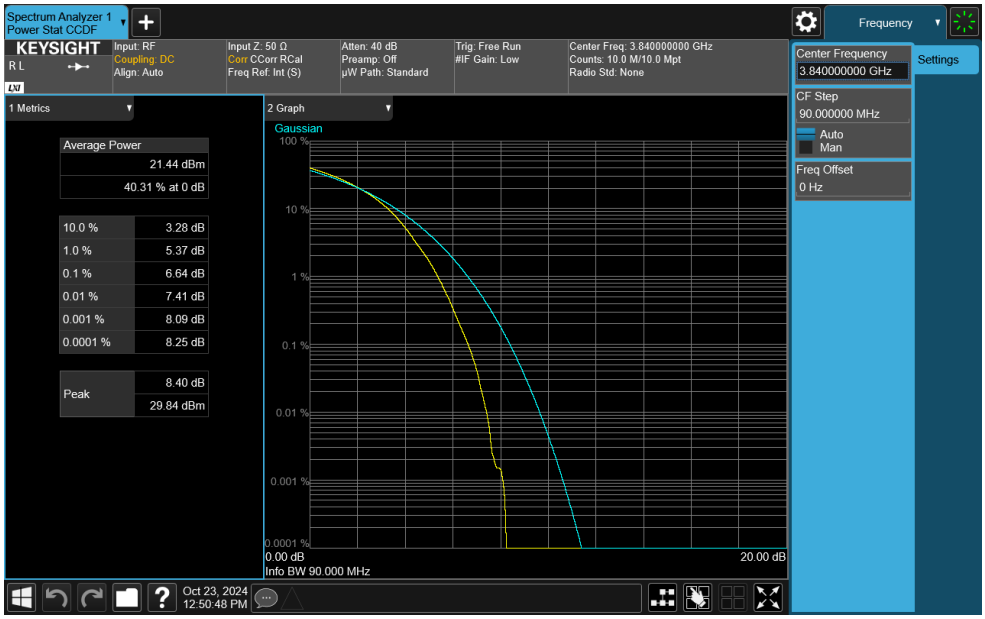
Plot 7-406. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK - Full RB)



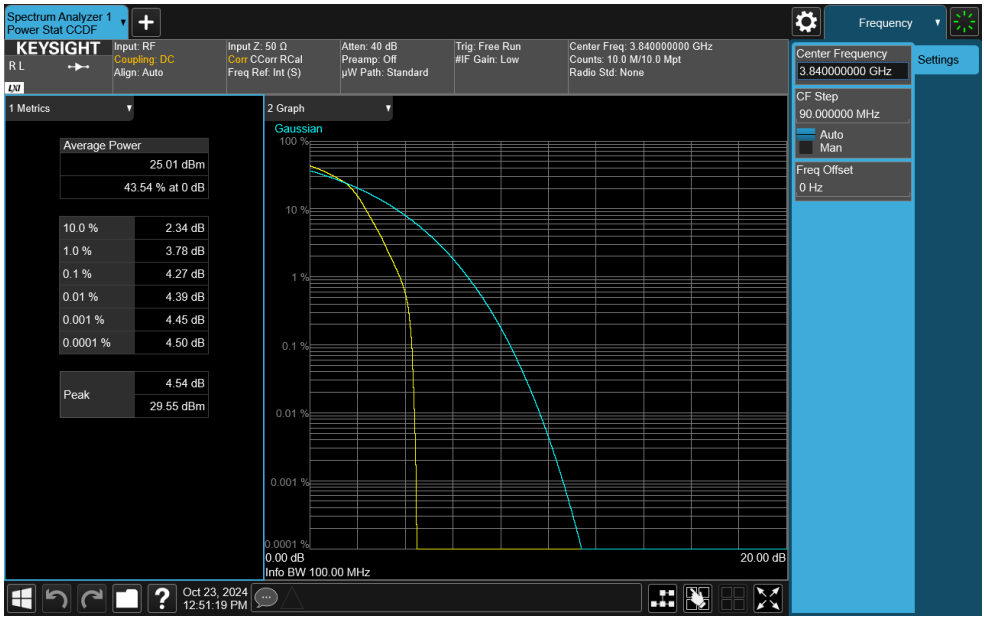
Plot 7-407. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 16-QAM - Full RB)



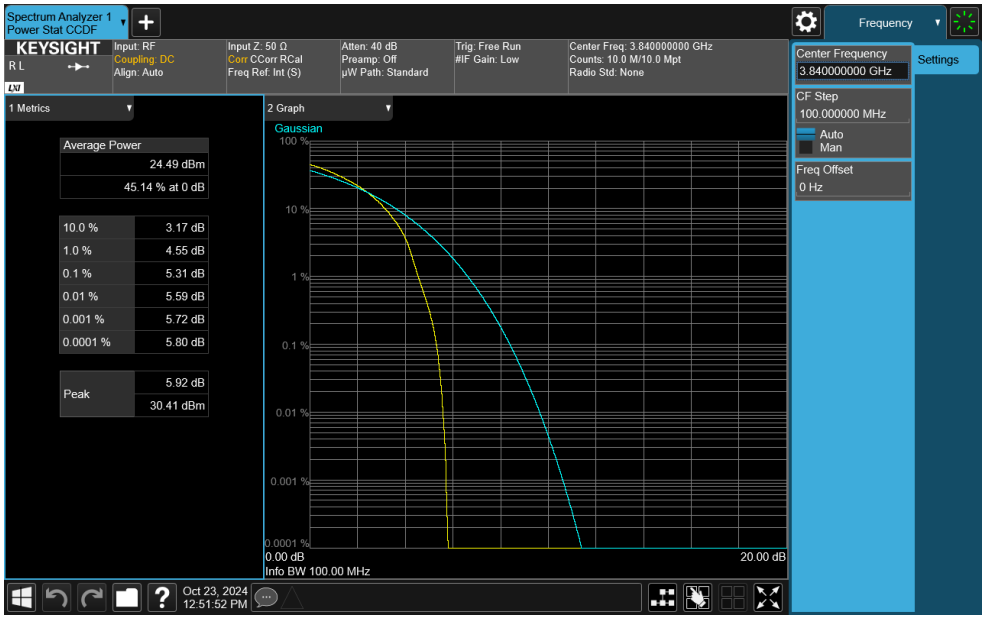
Plot 7-408. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)



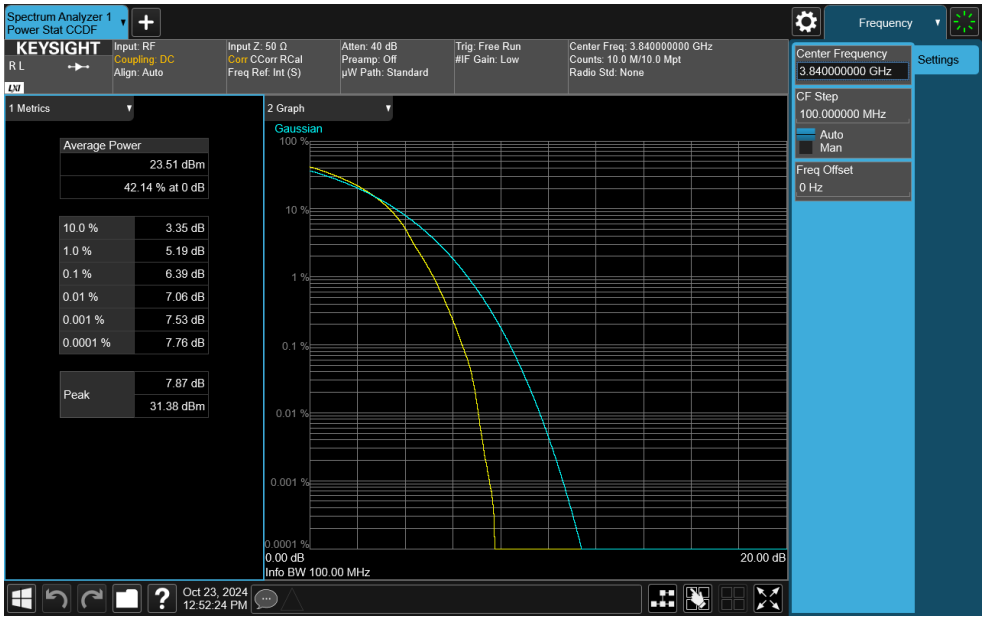
Plot 7-409. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)



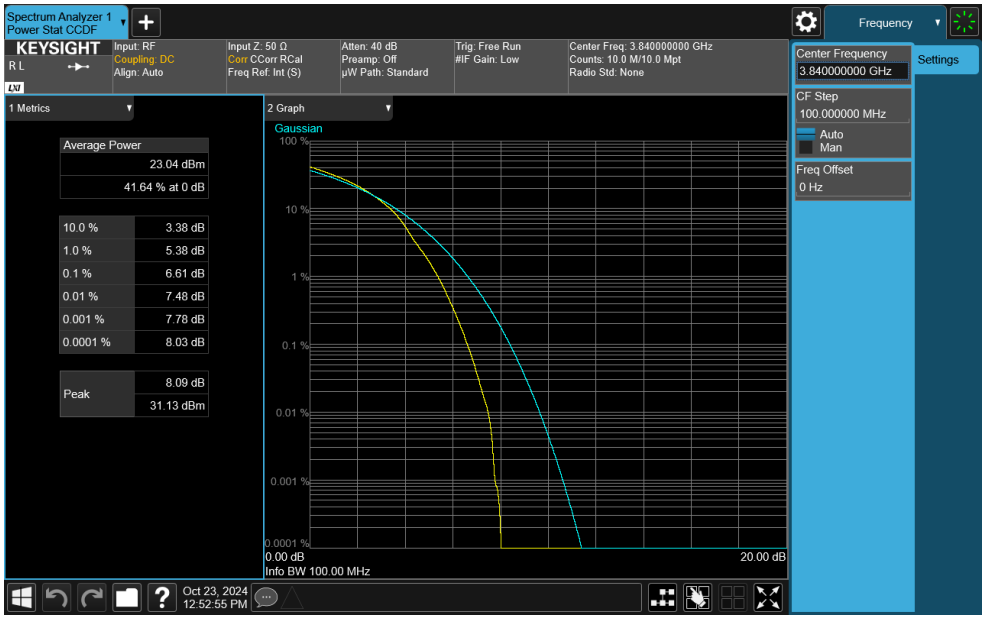
Plot 7-410. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM π/2 BPSK - Full RB)



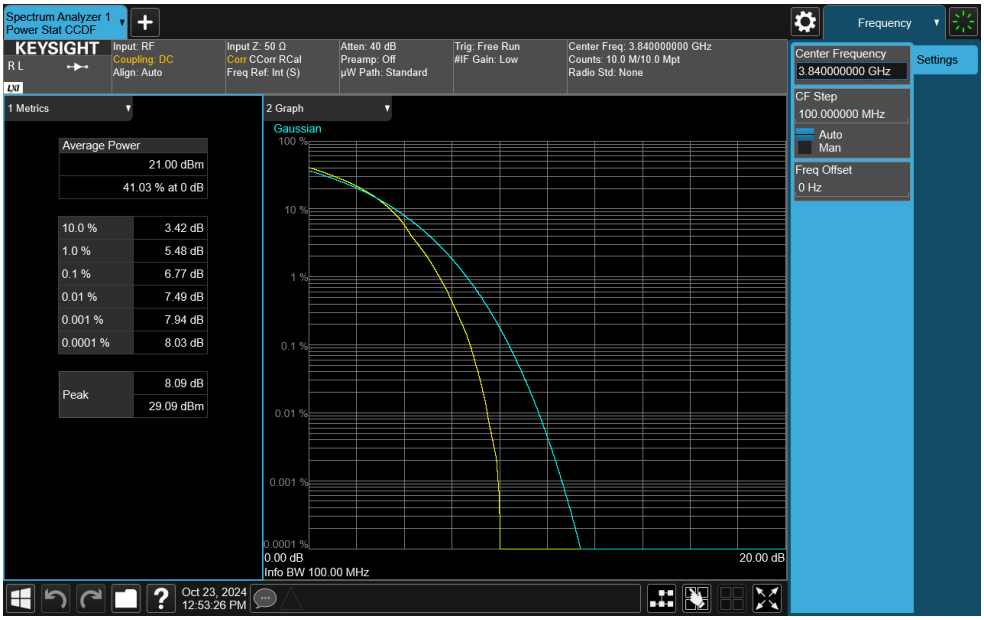
Plot 7-411. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - Full RB)



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



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



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

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:

EIRP = PMeas – LC + 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.

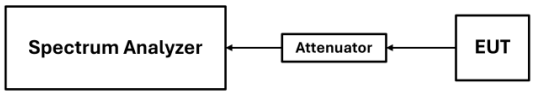


Figure 7-5. FR1 Test Instrument & Measurement Setup

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.

7.6.1 Antenna 3b – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.90	1 / 22	27.24	**29.14**	0.820	30.00	-0.86
		3500.01	1.90	1 / 12	27.45	29.35	0.861	30.00	-0.65
		3544.98	1.90	1 / 12	27.37	29.27	0.845	30.00	-0.73
	QPSK	3455.01	1.90	1 / 22	27.36	29.26	0.843	30.00	-0.74
		3500.01	1.90	1 / 1	27.50	**29.40**	0.871	30.00	-0.60
		3544.98	1.90	1 / 12	27.46	29.36	0.863	30.00	-0.64
	16-QAM	3544.98	1.90	1 / 12	26.50	28.40	0.692	30.00	-1.60
	64-QAM	3500.01	1.90	1 / 12	25.51	27.41	0.551	30.00	-2.59
	256-QAM	3500.01	1.90	1 / 12	22.54	24.44	0.278	30.00	-5.56
15 MHz	π/2 BPSK	3457.50	1.90	1 / 18	27.11	29.01	0.796	30.00	-0.99
		3500.01	1.90	1 / 36	27.42	29.32	0.855	30.00	-0.68
		3542.49	1.90	1 / 36	27.50	**29.40**	0.871	30.00	-0.60
	QPSK	3457.50	1.90	1 / 36	27.49	29.39	0.869	30.00	-0.61
		3500.01	1.90	1 / 1	27.46	29.36	0.863	30.00	-0.64
		3542.49	1.90	1 / 18	27.47	29.37	0.865	30.00	-0.63
	16-QAM	3500.01	1.90	1 / 1	26.47	28.37	0.687	30.00	-1.63
	64-QAM	3457.50	1.90	1 / 1	25.41	27.31	0.538	30.00	-2.69
	256-QAM	3500.01	1.90	1 / 1	22.66	24.56	0.286	30.00	-5.44
20 MHz	π/2 BPSK	3460.02	1.90	1 / 1	27.45	29.35	0.861	30.00	-0.65
		3500.01	1.90	1 / 1	27.38	29.28	0.847	30.00	-0.72
		3540.00	1.90	1 / 25	27.49	29.39	0.869	30.00	-0.61
	QPSK	3460.02	1.90	1 / 25	27.50	**29.40**	0.871	30.00	-0.60
		3500.01	1.90	1 / 1	27.28	29.18	0.828	30.00	-0.82
		3540.00	1.90	1 / 25	27.41	29.31	0.853	30.00	-0.69
	16-QAM	3460.02	1.90	1 / 1	26.50	28.40	0.692	30.00	-1.60
	64-QAM	3500.01	1.90	1 / 25	25.49	27.39	0.548	30.00	-2.61
	256-QAM	3460.02	1.90	1 / 49	22.53	24.43	0.277	30.00	-5.57
30 MHz	π/2 BPSK	3465.00	1.90	1 / 1	27.47	29.37	0.865	30.00	-0.63
		3500.01	1.90	1 / 76	27.26	29.16	0.824	30.00	-0.84
		3534.99	1.90	1 / 76	27.34	29.24	0.839	30.00	-0.76
	QPSK	3465.00	1.90	1 / 36	27.50	**29.40**	0.871	30.00	-0.60
		3500.01	1.90	1 / 1	27.49	29.39	0.869	30.00	-0.61
		3534.99	1.90	1 / 1	27.18	29.08	0.809	30.00	-0.92
	16-QAM	3500.01	1.90	1 / 1	26.45	28.35	0.684	30.00	-1.65
	64-QAM	3500.01	1.90	1 / 1	25.51	27.41	0.551	30.00	-2.59
	256-QAM	3465.00	1.90	1 / 76	22.59	24.49	0.281	30.00	-5.51
40 MHz	π/2 BPSK	3470.01	1.90	1 / 1	27.50	**29.40**	0.871	30.00	-0.60
		3500.01	1.90	1 / 1	27.39	29.29	0.849	30.00	-0.71
		3529.98	1.90	1 / 104	27.49	29.39	0.869	30.00	-0.61
	QPSK	3470.01	1.90	1 / 50	27.48	29.38	0.867	30.00	-0.62
		3500.01	1.90	1 / 1	27.41	29.31	0.853	30.00	-0.69
		3529.98	1.90	1 / 1	27.21	29.11	0.815	30.00	-0.89
	16-QAM	3470.01	1.90	1 / 50	26.52	28.42	0.695	30.00	-1.58
	64-QAM	3500.01	1.90	1 / 50	25.53	27.43	0.553	30.00	-2.57
	256-QAM	3470.01	1.90	1 / 104	22.57	24.47	0.280	30.00	-5.53
50 MHz	π/2 BPSK	3475.02	1.90	1 / 131	27.41	29.31	0.853	30.00	-0.69
		3500.01	1.90	1 / 131	27.41	29.31	0.853	30.00	-0.69
		3525.00	1.90	1 / 131	27.44	29.34	0.859	30.00	-0.66
	QPSK	3475.02	1.90	1 / 64	27.35	29.25	0.841	30.00	-0.75
		3500.01	1.90	1 / 1	27.50	**29.40**	0.871	30.00	-0.60
		3525.00	1.90	1 / 64	27.42	29.32	0.855	30.00	-0.68
	16-QAM	3500.01	1.90	1 / 64	26.53	28.43	0.697	30.00	-1.57
	64-QAM	3525.00	1.90	1 / 1	25.55	27.45	0.556	30.00	-2.55
	256-QAM	3500.01	1.90	1 / 1	22.60	24.50	0.282	30.00	-5.50
60 MHz	π/2 BPSK	3480.00	1.90	1 / 1	27.28	29.18	0.828	30.00	-0.82
		3500.01	1.90	1 / 81	27.43	29.33	0.857	30.00	-0.67
		3519.99	1.90	1 / 160	27.25	29.15	0.822	30.00	-0.85
	QPSK	3480.00	1.90	1 / 81	27.12	29.02	0.798	30.00	-0.98
		3500.01	1.90	1 / 1	27.50	**29.40**	0.871	30.00	-0.60
		3519.99	1.90	1 / 81	27.28	29.18	0.828	30.00	-0.82
	16-QAM	3480.00	1.90	1 / 1	26.52	28.42	0.695	30.00	-1.58
	64-QAM	3500.01	1.90	1 / 160	25.52	27.42	0.552	30.00	-2.58
	256-QAM	3500.01	1.90	1 / 81	22.62	24.52	0.283	30.00	-5.48
70 MHz	π/2 BPSK	3485.01	1.90	1 / 187	27.50	**29.40**	0.871	30.00	-0.60
		3500.01	1.90	1 / 187	27.50	**29.40**	0.871	30.00	-0.60
		3514.98	1.90	1 / 1	27.39	29.29	0.849	30.00	-0.71
	QPSK	3485.01	1.90	1 / 187	27.47	29.37	0.865	30.00	-0.63
		3500.01	1.90	1 / 187	27.27	29.17	0.826	30.00	-0.83
		3514.98	1.90	1 / 187	27.50	**29.40**	0.871	30.00	-0.60
	16-QAM	3500.01	1.90	1 / 90	26.44	28.34	0.682	30.00	-1.66
	64-QAM	3485.01	1.90	1 / 90	25.51	27.41	0.551	30.00	-2.59
	256-QAM	3514.98	1.90	1 / 90	22.57	24.47	0.280	30.00	-5.53
80 MHz	π/2 BPSK	3490.02	1.90	1 / 1	27.34	29.24	0.839	30.00	-0.76
		3500.01	1.90	1 / 108	27.45	29.35	0.861	30.00	-0.65
		3510.00	1.90	1 / 215	27.26	29.16	0.824	30.00	-0.84
	QPSK	3490.02	1.90	1 / 1	27.41	29.31	0.853	30.00	-0.69
		3500.01	1.90	1 / 108	27.50	**29.40**	0.871	30.00	-0.60
		3510.00	1.90	1 / 1	27.47	29.37	0.865	30.00	-0.63
	16-QAM	3500.01	1.90	1 / 1	26.47	28.37	0.687	30.00	-1.63
	64-QAM	3490.02	1.90	1 / 215	25.49	27.39	0.548	30.00	-2.61
	256-QAM	3510.00	1.90	1 / 215	22.58	24.48	0.281	30.00	-5.52
90 MHz	π/2 BPSK	3495.00	1.90	1 / 243	27.45	29.35	0.861	30.00	-0.65
		3500.01	1.90	1 / 1	27.30	29.20	0.832	30.00	-0.80
		3504.99	1.90	1 / 243	27.40	29.30	0.851	30.00	-0.70
	QPSK	3495.00	1.90	1 / 243	27.33	29.23	0.838	30.00	-0.77
		3500.01	1.90	1 / 120	27.50	**29.40**	0.871	30.00	-0.60
		3504.99	1.90	1 / 120	27.48	29.38	0.867	30.00	-0.62
	16-QAM	3500.01	1.90	1 / 120	26.52	28.42	0.695	30.00	-1.58
	64-QAM	3500.01	1.90	1 / 1	25.44	27.34	0.542	30.00	-2.66
	256-QAM	3495.00	1.90	1 / 243	22.56	24.46	0.279	30.00	-5.54
100 MHz	π/2 BPSK	3500.01	1.90	1 / 1	27.46	29.36	0.863	30.00	-0.64
	QPSK	3500.01	1.90	1 / 1	27.48	**29.38**	0.867	30.00	-0.62
	16-QAM	3500.01	1.90	1 / 135	26.32	28.22	0.664	30.00	-1.78
	64-QAM	3500.01	1.90	1 / 1	25.20	27.10	0.513	30.00	-2.90
	256-QAM	3500.01	1.90	1 / 271	22.41	24.31	0.270	30.00	-5.69

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

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	1 / 12	25.66	**27.56**	0.570	30.00	-2.44
		3500.01	1.90	1 / 1	25.70	**27.60**	0.575	30.00	-2.40
		3544.98	1.90	1 / 22	25.55	27.45	0.556	30.00	-2.55
	QPSK	3455.01	1.90	1 / 22	25.54	27.44	0.555	30.00	-2.56
		3500.01	1.90	1 / 22	25.66	27.56	0.570	30.00	-2.44
		3544.98	1.90	1 / 12	25.49	27.39	0.548	30.00	-2.61
	16-QAM	3544.98	1.90	1 / 22	24.71	26.61	0.458	30.00	-3.39
	64-QAM	3455.01	1.90	1 / 22	23.66	25.56	0.360	30.00	-4.44
	256-QAM	3500.01	1.90	1 / 12	20.76	22.66	0.185	30.00	-7.34
15 MHz	π/2 BPSK	3457.50	1.90	1 / 18	25.56	27.46	0.557	30.00	-2.54
		3500.01	1.90	1 / 1	25.54	27.44	0.555	30.00	-2.56
		3542.49	1.90	1 / 36	25.50	27.40	0.550	30.00	-2.60
	QPSK	3457.50	1.90	1 / 1	25.60	27.50	0.562	30.00	-2.50
		3500.01	1.90	1 / 18	25.70	**27.60**	0.575	30.00	-2.40
		3542.49	1.90	1 / 1	25.58	27.48	0.560	30.00	-2.52
	16-QAM	3542.49	1.90	1 / 36	24.56	26.46	0.443	30.00	-3.54
	64-QAM	3500.01	1.90	1 / 1	23.71	25.61	0.364	30.00	-4.39
	256-QAM	3542.49	1.90	1 / 36	20.72	22.62	0.183	30.00	-7.38
20 MHz	π/2 BPSK	3460.02	1.90	1 / 25	25.68	27.58	0.573	30.00	-2.42
		3500.01	1.90	1 / 49	25.67	27.57	0.571	30.00	-2.43
		3540.00	1.90	1 / 25	25.64	27.54	0.568	30.00	-2.46
	QPSK	3460.02	1.90	1 / 49	25.63	27.53	0.566	30.00	-2.47
		3500.01	1.90	1 / 1	25.64	27.54	0.568	30.00	-2.46
		3540.00	1.90	1 / 49	25.70	**27.60**	0.575	30.00	-2.40
	16-QAM	3460.02	1.90	1 / 49	24.73	26.63	0.460	30.00	-3.37
	64-QAM	3540.00	1.90	1 / 49	23.78	25.68	0.370	30.00	-4.32
	256-QAM	3460.02	1.90	1 / 25	20.85	22.75	0.188	30.00	-7.25
30 MHz	π/2 BPSK	3465.00	1.90	1 / 1	25.70	**27.60**	0.575	30.00	-2.40
		3500.01	1.90	1 / 36	25.66	27.56	0.570	30.00	-2.44
		3534.99	1.90	1 / 76	25.70	**27.60**	0.575	30.00	-2.40
	QPSK	3465.00	1.90	1 / 76	25.64	27.54	0.568	30.00	-2.46
		3500.01	1.90	1 / 76	25.59	27.49	0.561	30.00	-2.51
		3534.99	1.90	1 / 76	25.60	27.50	0.562	30.00	-2.50
	16-QAM	3465.00	1.90	1 / 76	24.69	26.59	0.456	30.00	-3.41
	64-QAM	3465.00	1.90	1 / 76	23.69	25.59	0.362	30.00	-4.41
	256-QAM	3465.00	1.90	1 / 36	20.80	22.70	0.186	30.00	-7.30
40 MHz	π/2 BPSK	3470.01	1.90	1 / 50	25.64	27.54	0.568	30.00	-2.46
		3500.01	1.90	1 / 1	25.67	27.57	0.571	30.00	-2.43
		3529.98	1.90	1 / 1	25.63	27.53	0.566	30.00	-2.47
	QPSK	3470.01	1.90	1 / 1	25.70	**27.60**	0.575	30.00	-2.40
		3500.01	1.90	1 / 50	25.62	27.52	0.565	30.00	-2.48
		3529.98	1.90	1 / 1	25.70	**27.60**	0.575	30.00	-2.40
	16-QAM	3500.01	1.90	1 / 50	24.69	26.59	0.456	30.00	-3.41
	64-QAM	3470.01	1.90	1 / 104	23.69	25.59	0.362	30.00	-4.41
	256-QAM	3529.98	1.90	1 / 50	20.80	22.70	0.186	30.00	-7.30
50 MHz	π/2 BPSK	3475.02	1.90	1 / 64	25.59	27.49	0.561	30.00	-2.51
		3500.01	1.90	1 / 131	25.61	27.51	0.564	30.00	-2.49
		3525.00	1.90	1 / 131	25.65	27.55	0.569	30.00	-2.45
	QPSK	3475.02	1.90	1 / 131	25.66	27.56	0.570	30.00	-2.44
		3500.01	1.90	1 / 1	25.70	**27.60**	0.575	30.00	-2.40
		3525.00	1.90	1 / 64	25.42	27.32	0.540	30.00	-2.68
	16-QAM	3475.02	1.90	1 / 64	24.68	26.58	0.455	30.00	-3.42
	64-QAM	3500.01	1.90	1 / 64	23.64	25.54	0.358	30.00	-4.46
	256-QAM	3525.00	1.90	1 / 1	20.75	22.65	0.184	30.00	-7.35
60 MHz	π/2 BPSK	3480.00	1.90	1 / 1	25.56	27.46	0.557	30.00	-2.54
		3500.01	1.90	1 / 160	25.65	27.55	0.569	30.00	-2.45
		3519.99	1.90	1 / 1	25.70	**27.60**	0.575	30.00	-2.40
	QPSK	3480.00	1.90	1 / 81	25.65	27.55	0.569	30.00	-2.45
		3500.01	1.90	1 / 1	25.42	27.32	0.540	30.00	-2.68
		3519.99	1.90	1 / 160	25.63	27.53	0.566	30.00	-2.47
	16-QAM	3500.01	1.90	1 / 1	24.68	26.58	0.455	30.00	-3.42
	64-QAM	3500.01	1.90	1 / 1	23.62	25.52	0.356	30.00	-4.48
	256-QAM	3500.01	1.90	1 / 1	20.77	22.67	0.185	30.00	-7.33
70 MHz	π/2 BPSK	3485.01	1.90	1 / 1	25.63	27.53	0.566	30.00	-2.47
		3500.01	1.90	1 / 1	25.70	**27.60**	0.575	30.00	-2.40
		3514.98	1.90	1 / 90	25.55	27.45	0.556	30.00	-2.55
	QPSK	3485.01	1.90	1 / 90	25.65	27.55	0.569	30.00	-2.45
		3500.01	1.90	1 / 187	25.43	27.33	0.541	30.00	-2.67
		3514.98	1.90	1 / 187	25.64	27.54	0.568	30.00	-2.46
	16-QAM	3500.01	1.90	1 / 187	24.71	26.61	0.458	30.00	-3.39
	64-QAM	3500.01	1.90	1 / 1	23.64	25.54	0.358	30.00	-4.46
	256-QAM	3500.01	1.90	1 / 90	20.72	22.62	0.183	30.00	-7.38
80 MHz	π/2 BPSK	3490.02	1.90	1 / 215	25.62	27.52	0.565	30.00	-2.48
		3500.01	1.90	1 / 1	25.61	27.51	0.564	30.00	-2.49
		3510.00	1.90	1 / 1	25.58	27.48	0.560	30.00	-2.52
	QPSK	3490.02	1.90	1 / 215	25.66	27.56	0.570	30.00	-2.44
		3500.01	1.90	1 / 108	25.70	**27.60**	0.575	30.00	-2.40
		3510.00	1.90	1 / 108	25.50	27.40	0.550	30.00	-2.60
	16-QAM	3500.01	1.90	1 / 108	24.75	26.65	0.462	30.00	-3.35
	64-QAM	3500.01	1.90	1 / 215	23.74	25.64	0.366	30.00	-4.36
	256-QAM	3510.00	1.90	1 / 215	20.85	22.75	0.188	30.00	-7.25
90 MHz	π/2 BPSK	3495.00	1.90	1 / 1	25.63	27.53	0.566	30.00	-2.47
		3500.01	1.90	1 / 243	25.51	27.41	0.551	30.00	-2.59
		3504.99	1.90	1 / 1	25.67	27.57	0.571	30.00	-2.43
	QPSK	3495.00	1.90	1 / 120	25.65	27.55	0.569	30.00	-2.45
		3500.01	1.90	1 / 120	25.70	**27.60**	0.575	30.00	-2.40
		3504.99	1.90	1 / 243	25.50	27.40	0.550	30.00	-2.60
	16-QAM	3504.99	1.90	1 / 1	24.69	26.59	0.456	30.00	-3.41
	64-QAM	3500.01	1.90	1 / 243	23.65	25.55	0.359	30.00	-4.45
	256-QAM	3500.01	1.90	1 / 120	20.65	22.55	0.180	30.00	-7.45
100 MHz	π/2 BPSK	3500.01	1.90	1 / 1	25.36	27.26	0.532	30.00	-2.74
	QPSK	3500.01	1.90	1 / 1	25.70	**27.60**	0.575	30.00	-2.40
	16-QAM	3500.01	1.90	1 / 135	24.57	26.47	0.444	30.00	-3.53
	64-QAM	3500.01	1.90	1 / 1	23.54	25.44	0.350	30.00	-4.56
	256-QAM	3500.01	1.90	1 / 271	20.61	22.51	0.178	30.00	-7.49

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	1.20	1 / 1	27.45	**28.65**	0.733	30.00	-1.35
		3840.00	1.20	1 / 1	27.48	28.68	0.738	30.00	-1.32
		3975.00	1.20	1 / 22	27.45	28.65	0.733	30.00	-1.35
	QPSK	3705.00	1.20	1 / 12	27.30	28.50	0.708	30.00	-1.50
		3840.00	1.20	1 / 1	27.50	**28.70**	0.741	30.00	-1.30
		3975.00	1.20	1 / 1	27.48	28.68	0.738	30.00	-1.32
	16-QAM	3975.00	1.20	1 / 12	26.43	27.63	0.579	30.00	-2.37
	64-QAM	3705.00	1.20	1 / 12	25.47	26.67	0.465	30.00	-3.33
	256-QAM	3975.00	1.20	1 / 12	22.62	23.82	0.241	30.00	-6.18
15 MHz	π/2 BPSK	3707.51	1.20	1 / 1	27.34	28.54	0.714	30.00	-1.46
		3840.00	1.20	1 / 36	27.24	28.44	0.698	30.00	-1.56
		3972.50	1.20	1 / 1	27.22	28.42	0.695	30.00	-1.58
	QPSK	3707.51	1.20	1 / 18	27.48	28.68	0.738	30.00	-1.32
		3840.00	1.20	1 / 18	27.50	**28.70**	0.741	30.00	-1.30
		3972.50	1.20	1 / 18	27.43	28.63	0.729	30.00	-1.37
	16-QAM	3972.50	1.20	1 / 36	26.54	27.74	0.594	30.00	-2.26
	64-QAM	3972.50	1.20	1 / 36	25.57	26.77	0.475	30.00	-3.23
	256-QAM	3840.00	1.20	1 / 1	22.60	23.80	0.240	30.00	-6.20
20 MHz	π/2 BPSK	3710.01	1.20	1 / 49	27.27	28.47	0.703	30.00	-1.53
		3840.00	1.20	1 / 49	27.47	28.67	0.736	30.00	-1.33
		3969.99	1.20	1 / 49	27.50	**28.70**	0.741	30.00	-1.30
	QPSK	3710.01	1.20	1 / 49	27.31	28.51	0.710	30.00	-1.49
		3840.00	1.20	1 / 1	27.48	28.68	0.738	30.00	-1.32
		3969.99	1.20	1 / 49	27.50	**28.70**	0.741	30.00	-1.30
	16-QAM	3840.00	1.20	1 / 49	26.43	27.63	0.579	30.00	-2.37
	64-QAM	3710.01	1.20	1 / 1	25.39	26.59	0.456	30.00	-3.41
	256-QAM	3710.01	1.20	1 / 49	22.54	23.74	0.237	30.00	-6.26
30 MHz	π/2 BPSK	3715.02	1.20	1 / 76	27.22	28.42	0.695	30.00	-1.58
		3840.00	1.20	1 / 76	27.38	28.58	0.721	30.00	-1.42
		3964.98	1.20	1 / 1	27.45	28.65	0.733	30.00	-1.35
	QPSK	3715.02	1.20	1 / 1	27.50	**28.70**	0.741	30.00	-1.30
		3840.00	1.20	1 / 76	27.35	28.55	0.716	30.00	-1.45
		3964.98	1.20	1 / 76	27.34	28.54	0.714	30.00	-1.46
	16-QAM	3840.00	1.20	1 / 36	26.51	27.71	0.590	30.00	-2.29
	64-QAM	3964.98	1.20	1 / 76	25.51	26.71	0.469	30.00	-3.29
	256-QAM	3840.00	1.20	1 / 36	22.60	23.80	0.240	30.00	-6.20
40 MHz	π/2 BPSK	3720.00	1.20	1 / 104	27.34	28.54	0.714	30.00	-1.46
		3840.00	1.20	1 / 104	27.44	28.64	0.731	30.00	-1.36
		3960.00	1.20	1 / 104	27.47	28.67	0.736	30.00	-1.33
	QPSK	3720.00	1.20	1 / 1	27.50	**28.70**	0.741	30.00	-1.30
		3840.00	1.20	1 / 1	27.13	28.33	0.681	30.00	-1.67
		3960.00	1.20	1 / 1	27.33	28.53	0.713	30.00	-1.47
	16-QAM	3840.00	1.20	1 / 50	26.58	27.78	0.600	30.00	-2.22
	64-QAM	3960.00	1.20	1 / 1	25.52	26.72	0.470	30.00	-3.28
	256-QAM	3720.00	1.20	1 / 1	22.66	23.86	0.243	30.00	-6.14
50 MHz	π/2 BPSK	3725.01	1.20	1 / 131	27.46	28.66	0.735	30.00	-1.34
		3840.00	1.20	1 / 1	27.50	**28.70**	0.741	30.00	-1.30
		3954.99	1.20	1 / 64	27.43	28.63	0.729	30.00	-1.37
	QPSK	3725.01	1.20	1 / 64	27.48	28.68	0.738	30.00	-1.32
		3840.00	1.20	1 / 1	27.47	28.67	0.736	30.00	-1.33
		3954.99	1.20	1 / 1	27.46	28.66	0.735	30.00	-1.34
	16-QAM	3840.00	1.20	1 / 64	26.53	27.73	0.593	30.00	-2.27
	64-QAM	3840.00	1.20	1 / 131	25.52	26.72	0.470	30.00	-3.28
	256-QAM	3954.99	1.20	1 / 64	22.57	23.77	0.238	30.00	-6.23
60 MHz	π/2 BPSK	3730.02	1.20	1 / 160	27.33	28.53	0.713	30.00	-1.47
		3840.00	1.20	1 / 160	27.27	28.47	0.703	30.00	-1.53
		3949.98	1.20	1 / 81	27.35	28.55	0.716	30.00	-1.45
	QPSK	3730.02	1.20	1 / 160	27.50	**28.70**	0.741	30.00	-1.30
		3840.00	1.20	1 / 160	27.34	28.54	0.714	30.00	-1.46
		3949.98	1.20	1 / 1	27.45	28.65	0.733	30.00	-1.35
	16-QAM	3730.02	1.20	1 / 1	26.49	27.69	0.587	30.00	-2.31
	64-QAM	3949.98	1.20	1 / 81	25.50	26.70	0.468	30.00	-3.30
	256-QAM	3840.00	1.20	1 / 1	22.52	23.72	0.236	30.00	-6.28
70 MHz	π/2 BPSK	3735.00	1.20	1 / 1	27.41	28.61	0.726	30.00	-1.39
		3840.00	1.20	1 / 90	27.50	**28.70**	0.741	30.00	-1.30
		3945.00	1.20	1 / 90	27.50	**28.70**	0.741	30.00	-1.30
	QPSK	3735.00	1.20	1 / 187	27.44	28.64	0.731	30.00	-1.36
		3840.00	1.20	1 / 90	27.40	28.60	0.724	30.00	-1.40
		3945.00	1.20	1 / 1	27.48	28.68	0.738	30.00	-1.32
	16-QAM	3945.00	1.20	1 / 187	26.50	27.70	0.589	30.00	-2.30
	64-QAM	3945.00	1.20	1 / 90	25.49	26.69	0.467	30.00	-3.31
	256-QAM	3735.00	1.20	1 / 1	22.57	23.77	0.238	30.00	-6.23
80 MHz	π/2 BPSK	3740.01	1.20	1 / 215	27.44	28.64	0.731	30.00	-1.36
		3840.00	1.20	1 / 108	27.18	28.38	0.689	30.00	-1.62
		3939.99	1.20	1 / 1	27.20	28.40	0.692	30.00	-1.60
	QPSK	3740.01	1.20	1 / 1	27.46	28.66	0.735	30.00	-1.34
		3840.00	1.20	1 / 108	27.42	28.62	0.728	30.00	-1.38
		3939.99	1.20	1 / 108	27.50	**28.70**	0.741	30.00	-1.30
	16-QAM	3939.99	1.20	1 / 1	26.47	27.67	0.585	30.00	-2.33
	64-QAM	3740.01	1.20	1 / 108	25.45	26.65	0.462	30.00	-3.35
	256-QAM	3840.00	1.20	1 / 215	22.56	23.76	0.238	30.00	-6.24
90 MHz	π/2 BPSK	3745.02	1.20	1 / 243	27.37	28.57	0.719	30.00	-1.43
		3840.00	1.20	1 / 1	27.21	28.41	0.693	30.00	-1.59
		3934.98	1.20	1 / 120	27.46	28.66	0.735	30.00	-1.34
	QPSK	3745.02	1.20	1 / 243	27.50	**28.70**	0.741	30.00	-1.30
		3840.00	1.20	1 / 1	27.32	28.52	0.711	30.00	-1.48
		3934.98	1.20	1 / 243	27.48	28.68	0.738	30.00	-1.32
	16-QAM	3840.00	1.20	1 / 243	26.56	27.76	0.597	30.00	-2.24
	64-QAM	3745.02	1.20	1 / 1	25.55	26.75	0.473	30.00	-3.25
	256-QAM	3745.02	1.20	1 / 243	22.57	23.77	0.238	30.00	-6.23
100 MHz	π/2 BPSK	3750.00	1.20	1 / 271	27.40	28.60	0.724	30.00	-1.40
		3840.00	1.20	1 / 135	27.50	**28.70**	0.741	30.00	-1.30
		3930.00	1.20	1 / 135	27.50	**28.70**	0.741	30.00	-1.30
	QPSK	3750.00	1.20	1 / 135	27.40	28.60	0.724	30.00	-1.40
		3840.00	1.20	1 / 271	27.23	28.43	0.697	30.00	-1.57
		3930.00	1.20	1 / 1	27.47	28.67	0.736	30.00	-1.33
	16-QAM	3750.00	1.20	1 / 1	26.46	27.66	0.583	30.00	-2.34
	64-QAM	3930.00	1.20	1 / 135	25.49	26.69	0.467	30.00	-3.31
	256-QAM	3750.00	1.20	1 / 1	22.48	23.68	0.233	30.00	-6.32

Table 7-4. Antenna 3b EIRP Data (NR Band n77 (PC2) – C Band)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	1.20	1 / 1	25.51	**26.71**	0.469	30.00	-3.29
		3840.00	1.20	1 / 22	25.53	26.73	0.471	30.00	-3.27
		3975.00	1.20	1 / 1	25.66	26.86	0.485	30.00	-3.14
	QPSK	3705.00	1.20	1 / 1	25.38	26.58	0.455	30.00	-3.42
		3840.00	1.20	1 / 12	25.68	26.88	0.488	30.00	-3.12
		3975.00	1.20	1 / 12	25.70	**26.90**	0.490	30.00	-3.10
	16-QAM	3975.00	1.20	1 / 22	24.69	25.89	0.388	30.00	-4.11
	64-QAM	3705.00	1.20	1 / 12	23.69	24.89	0.308	30.00	-5.11
	256-QAM	3840.00	1.20	1 / 1	20.65	21.85	0.153	30.00	-8.15
15 MHz	π/2 BPSK	3707.51	1.20	1 / 36	25.44	26.64	0.461	30.00	-3.36
		3840.00	1.20	1 / 36	25.70	**26.90**	0.490	30.00	-3.10
		3972.50	1.20	1 / 18	25.51	26.71	0.469	30.00	-3.29
	QPSK	3707.51	1.20	1 / 1	25.65	26.85	0.484	30.00	-3.15
		3840.00	1.20	1 / 36	25.56	26.76	0.474	30.00	-3.24
		3972.50	1.20	1 / 18	25.62	26.82	0.481	30.00	-3.18
	16-QAM	3840.00	1.20	1 / 1	24.55	25.75	0.376	30.00	-4.25
	64-QAM	3707.51	1.20	1 / 1	23.71	24.91	0.310	30.00	-5.09
	256-QAM	3840.00	1.20	1 / 18	20.72	21.92	0.156	30.00	-8.08
20 MHz	π/2 BPSK	3710.01	1.20	1 / 25	25.68	26.88	0.488	30.00	-3.12
		3840.00	1.20	1 / 25	25.65	26.85	0.484	30.00	-3.15
		3969.99	1.20	1 / 49	25.68	26.88	0.488	30.00	-3.12
	QPSK	3710.01	1.20	1 / 49	25.70	**26.90**	0.490	30.00	-3.10
		3840.00	1.20	1 / 1	25.46	26.66	0.463	30.00	-3.34
		3969.99	1.20	1 / 25	25.44	26.64	0.461	30.00	-3.36
	16-QAM	3840.00	1.20	1 / 49	24.51	25.71	0.372	30.00	-4.29
	64-QAM	3969.99	1.20	1 / 49	23.71	24.91	0.310	30.00	-5.09
	256-QAM	3710.01	1.20	1 / 1	20.81	22.01	0.159	30.00	-7.99
30 MHz	π/2 BPSK	3715.02	1.20	1 / 76	25.37	26.57	0.454	30.00	-3.43
		3840.00	1.20	1 / 1	25.66	26.86	0.485	30.00	-3.14
		3964.98	1.20	1 / 36	25.62	26.82	0.481	30.00	-3.18
	QPSK	3715.02	1.20	1 / 36	25.65	26.85	0.484	30.00	-3.15
		3840.00	1.20	1 / 36	25.70	**26.90**	0.490	30.00	-3.10
		3964.98	1.20	1 / 36	25.56	26.76	0.474	30.00	-3.24
	16-QAM	3715.02	1.20	1 / 76	24.69	25.89	0.388	30.00	-4.11
	64-QAM	3715.02	1.20	1 / 76	23.74	24.94	0.312	30.00	-5.06
	256-QAM	3964.98	1.20	1 / 76	20.82	22.02	0.159	30.00	-7.98
40 MHz	π/2 BPSK	3720.00	1.20	1 / 50	25.45	26.65	0.462	30.00	-3.35
		3840.00	1.20	1 / 50	25.50	26.70	0.468	30.00	-3.30
		3960.00	1.20	1 / 1	25.63	26.83	0.482	30.00	-3.17
	QPSK	3720.00	1.20	1 / 1	25.68	26.88	0.488	30.00	-3.12
		3840.00	1.20	1 / 50	25.70	**26.90**	0.490	30.00	-3.10
		3960.00	1.20	1 / 50	25.50	26.70	0.468	30.00	-3.30
	16-QAM	3840.00	1.20	1 / 104	24.61	25.81	0.381	30.00	-4.19
	64-QAM	3840.00	1.20	1 / 104	23.71	24.91	0.310	30.00	-5.09
	256-QAM	3960.00	1.20	1 / 104	20.83	22.03	0.160	30.00	-7.97
50 MHz	π/2 BPSK	3725.01	1.20	1 / 64	25.68	26.88	0.488	30.00	-3.12
		3840.00	1.20	1 / 64	25.64	26.84	0.483	30.00	-3.16
		3954.99	1.20	1 / 131	25.70	**26.90**	0.490	30.00	-3.10
	QPSK	3725.01	1.20	1 / 131	25.39	26.59	0.456	30.00	-3.41
		3840.00	1.20	1 / 131	25.52	26.72	0.470	30.00	-3.28
		3954.99	1.20	1 / 64	25.55	26.75	0.473	30.00	-3.25
	16-QAM	3954.99	1.20	1 / 1	24.61	25.81	0.381	30.00	-4.19
	64-QAM	3840.00	1.20	1 / 64	23.62	24.82	0.303	30.00	-5.18
	256-QAM	3840.00	1.20	1 / 131	20.64	21.84	0.153	30.00	-8.16
60 MHz	π/2 BPSK	3730.02	1.20	1 / 160	25.50	26.70	0.468	30.00	-3.30
		3840.00	1.20	1 / 1	25.69	26.89	0.489	30.00	-3.11
		3949.98	1.20	1 / 160	25.62	26.82	0.481	30.00	-3.18
	QPSK	3730.02	1.20	1 / 1	25.49	26.69	0.467	30.00	-3.31
		3840.00	1.20	1 / 81	25.29	26.49	0.446	30.00	-3.51
		3949.98	1.20	1 / 160	25.70	**26.90**	0.490	30.00	-3.10
	16-QAM	3949.98	1.20	1 / 160	24.71	25.91	0.390	30.00	-4.09
	64-QAM	3840.00	1.20	1 / 1	23.64	24.84	0.305	30.00	-5.16
	256-QAM	3949.98	1.20	1 / 1	20.76	21.96	0.157	30.00	-8.04
70 MHz	π/2 BPSK	3735.00	1.20	1 / 1	25.55	26.75	0.473	30.00	-3.25
		3840.00	1.20	1 / 187	25.65	26.85	0.484	30.00	-3.15
		3945.00	1.20	1 / 1	25.67	26.87	0.486	30.00	-3.13
	QPSK	3735.00	1.20	1 / 90	25.59	26.79	0.478	30.00	-3.21
		3840.00	1.20	1 / 187	25.64	26.84	0.483	30.00	-3.16
		3945.00	1.20	1 / 187	25.70	**26.90**	0.490	30.00	-3.10
	16-QAM	3840.00	1.20	1 / 90	24.70	25.90	0.389	30.00	-4.10
	64-QAM	3735.00	1.20	1 / 1	23.74	24.94	0.312	30.00	-5.06
	256-QAM	3945.00	1.20	1 / 187	20.82	22.02	0.159	30.00	-7.98
80 MHz	π/2 BPSK	3740.01	1.20	1 / 108	25.59	26.79	0.478	30.00	-3.21
		3840.00	1.20	1 / 108	25.70	**26.90**	0.490	30.00	-3.10
		3939.99	1.20	1 / 215	25.66	26.86	0.485	30.00	-3.14
	QPSK	3740.01	1.20	1 / 1	25.64	26.84	0.483	30.00	-3.16
		3840.00	1.20	1 / 215	25.61	26.81	0.480	30.00	-3.19
		3939.99	1.20	1 / 215	25.63	26.83	0.482	30.00	-3.17
	16-QAM	3740.01	1.20	1 / 108	24.70	25.90	0.389	30.00	-4.10
	64-QAM	3740.01	1.20	1 / 1	23.71	24.91	0.310	30.00	-5.09
	256-QAM	3939.99	1.20	1 / 108	20.81	22.01	0.159	30.00	-7.99
90 MHz	π/2 BPSK	3745.02	1.20	1 / 243	25.67	26.87	0.486	30.00	-3.13
		3840.00	1.20	1 / 243	25.70	**26.90**	0.490	30.00	-3.10
		3934.98	1.20	1 / 1	25.61	26.81	0.480	30.00	-3.19
	QPSK	3745.02	1.20	1 / 120	25.41	26.61	0.458	30.00	-3.39
		3840.00	1.20	1 / 1	25.70	**26.90**	0.490	30.00	-3.10
		3934.98	1.20	1 / 243	25.68	26.88	0.488	30.00	-3.12
	16-QAM	3840.00	1.20	1 / 1	24.72	25.92	0.391	30.00	-4.08
	64-QAM	3840.00	1.20	1 / 120	23.73	24.93	0.311	30.00	-5.07
	256-QAM	3840.00	1.20	1 / 120	20.80	22.00	0.158	30.00	-8.00
100 MHz	π/2 BPSK	3750.00	1.20	1 / 1	25.67	26.87	0.486	30.00	-3.13
		3840.00	1.20	1 / 271	25.70	**26.90**	0.490	30.00	-3.10
		3930.00	1.20	1 / 1	25.59	26.79	0.478	30.00	-3.21
	QPSK	3750.00	1.20	1 / 1	25.70	**26.90**	0.490	30.00	-3.10
		3840.00	1.20	1 / 1	25.62	26.82	0.481	30.00	-3.18
		3930.00	1.20	1 / 271	25.59	26.79	0.478	30.00	-3.21
	16-QAM	3840.00	1.20	1 / 271	24.70	25.90	0.389	30.00	-4.10
	64-QAM	3840.00	1.20	1 / 1	23.76	24.96	0.313	30.00	-5.04
	256-QAM	3750.00	1.20	1 / 135	20.80	22.00	0.158	30.00	-8.00

Table 7-5. Antenna 3b EIRP Data (NR Band n77 (PC3) – C Band)

7.6.2 Antenna 2a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.60	1 / 1	23.47	**25.07**	0.321	30.00	-4.93
		3500.01	1.60	1 / 12	23.32	24.92	0.310	30.00	-5.08
		3544.98	1.60	1 / 12	23.27	24.87	0.307	30.00	-5.13
	QPSK	3455.01	1.60	1 / 12	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 12	23.46	25.06	0.321	30.00	-4.94
		3544.98	1.60	1 / 12	23.38	24.98	0.315	30.00	-5.02
	16-QAM	3500.01	1.60	1 / 12	22.50	24.10	0.257	30.00	-5.90
	64-QAM	3500.01	1.60	1 / 22	21.48	23.08	0.203	30.00	-6.92
	256-QAM	3544.98	1.60	1 / 1	18.56	20.16	0.104	30.00	-9.84
15 MHz	π/2 BPSK	3457.50	1.60	1 / 1	23.49	25.09	0.323	30.00	-4.91
		3500.01	1.60	1 / 18	23.50	**25.10**	0.324	30.00	-4.90
		3542.49	1.60	1 / 1	23.47	25.07	0.321	30.00	-4.93
	QPSK	3457.50	1.60	1 / 18	23.41	25.01	0.317	30.00	-4.99
		3500.01	1.60	1 / 1	23.48	25.08	0.322	30.00	-4.92
		3542.49	1.60	1 / 18	23.24	24.84	0.305	30.00	-5.16
	16-QAM	3500.01	1.60	1 / 36	22.52	24.12	0.258	30.00	-5.88
	64-QAM	3457.50	1.60	1 / 36	21.43	23.03	0.201	30.00	-6.97
	256-QAM	3457.50	1.60	1 / 36	18.62	20.22	0.105	30.00	-9.78
20 MHz	π/2 BPSK	3460.02	1.60	1 / 49	23.45	25.05	0.320	30.00	-4.95
		3500.01	1.60	1 / 49	23.42	25.02	0.318	30.00	-4.98
		3540.00	1.60	1 / 49	23.28	24.88	0.308	30.00	-5.12
	QPSK	3460.02	1.60	1 / 25	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 25	23.27	24.87	0.307	30.00	-5.13
		3540.00	1.60	1 / 49	23.45	25.05	0.320	30.00	-4.95
	16-QAM	3540.00	1.60	1 / 49	22.44	24.04	0.254	30.00	-5.96
	64-QAM	3500.01	1.60	1 / 1	21.49	23.09	0.204	30.00	-6.91
	256-QAM	3540.00	1.60	1 / 25	18.55	20.15	0.104	30.00	-9.85
30 MHz	π/2 BPSK	3465.00	1.60	1 / 76	23.43	25.03	0.318	30.00	-4.97
		3500.01	1.60	1 / 36	23.44	25.04	0.319	30.00	-4.96
		3534.99	1.60	1 / 1	23.47	25.07	0.321	30.00	-4.93
	QPSK	3465.00	1.60	1 / 1	23.31	24.91	0.310	30.00	-5.09
		3500.01	1.60	1 / 76	23.50	**25.10**	0.324	30.00	-4.90
		3534.99	1.60	1 / 36	23.49	25.09	0.323	30.00	-4.91
	16-QAM	3534.99	1.60	1 / 76	22.51	24.11	0.258	30.00	-5.89
	64-QAM	3534.99	1.60	1 / 1	21.52	23.12	0.205	30.00	-6.88
	256-QAM	3534.99	1.60	1 / 36	18.57	20.17	0.104	30.00	-9.83
40 MHz	π/2 BPSK	3470.01	1.60	1 / 1	23.45	25.05	0.320	30.00	-4.95
		3500.01	1.60	1 / 104	23.50	**25.10**	0.324	30.00	-4.90
		3529.98	1.60	1 / 50	23.26	24.86	0.306	30.00	-5.14
	QPSK	3470.01	1.60	1 / 50	23.42	25.02	0.318	30.00	-4.98
		3500.01	1.60	1 / 104	23.38	24.98	0.315	30.00	-5.02
		3529.98	1.60	1 / 50	23.14	24.74	0.298	30.00	-5.26
	16-QAM	3500.01	1.60	1 / 1	22.47	24.07	0.255	30.00	-5.93
	64-QAM	3529.98	1.60	1 / 104	21.37	22.97	0.198	30.00	-7.03
	256-QAM	3500.01	1.60	1 / 1	18.53	20.13	0.103	30.00	-9.87
50 MHz	π/2 BPSK	3475.02	1.60	1 / 64	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 131	23.32	24.92	0.310	30.00	-5.08
		3525.00	1.60	1 / 1	23.33	24.93	0.311	30.00	-5.07
	QPSK	3475.02	1.60	1 / 131	23.36	24.96	0.313	30.00	-5.04
		3500.01	1.60	1 / 1	23.44	25.04	0.319	30.00	-4.96
		3525.00	1.60	1 / 1	23.32	24.92	0.310	30.00	-5.08
	16-QAM	3525.00	1.60	1 / 1	22.52	24.12	0.258	30.00	-5.88
	64-QAM	3475.02	1.60	1 / 131	21.48	23.08	0.203	30.00	-6.92
	256-QAM	3500.01	1.60	1 / 131	18.63	20.23	0.105	30.00	-9.77
60 MHz	π/2 BPSK	3480.00	1.60	1 / 81	23.48	25.08	0.322	30.00	-4.92
		3500.01	1.60	1 / 1	23.43	25.03	0.318	30.00	-4.97
		3519.99	1.60	1 / 1	23.50	**25.10**	0.324	30.00	-4.90
	QPSK	3480.00	1.60	1 / 1	23.46	25.06	0.321	30.00	-4.94
		3500.01	1.60	1 / 81	23.45	25.05	0.320	30.00	-4.95
		3519.99	1.60	1 / 81	23.48	25.08	0.322	30.00	-4.92
	16-QAM	3519.99	1.60	1 / 81	22.48	24.08	0.256	30.00	-5.92
	64-QAM	3519.99	1.60	1 / 81	21.47	23.07	0.203	30.00	-6.93
	256-QAM	3500.01	1.60	1 / 1	18.57	20.17	0.104	30.00	-9.83
70 MHz	π/2 BPSK	3485.01	1.60	1 / 1	23.26	24.86	0.306	30.00	-5.14
		3500.01	1.60	1 / 1	23.49	25.09	0.323	30.00	-4.91
		3514.98	1.60	1 / 187	23.45	25.05	0.320	30.00	-4.95
	QPSK	3485.01	1.60	1 / 90	23.21	24.81	0.303	30.00	-5.19
		3500.01	1.60	1 / 90	23.49	25.09	0.323	30.00	-4.91
		3514.98	1.60	1 / 187	23.50	**25.10**	0.324	30.00	-4.90
	16-QAM	3500.01	1.60	1 / 1	22.42	24.02	0.252	30.00	-5.98
	64-QAM	3514.98	1.60	1 / 187	21.52	23.12	0.205	30.00	-6.88
	256-QAM	3514.98	1.60	1 / 187	18.62	20.22	0.105	30.00	-9.78
80 MHz	π/2 BPSK	3490.02	1.60	1 / 1	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 215	23.17	24.77	0.300	30.00	-5.23
		3510.00	1.60	1 / 108	23.49	25.09	0.323	30.00	-4.91
	QPSK	3490.02	1.60	1 / 1	23.31	24.91	0.310	30.00	-5.09
		3500.01	1.60	1 / 1	23.37	24.97	0.314	30.00	-5.03
		3510.00	1.60	1 / 1	23.42	25.02	0.318	30.00	-4.98
	16-QAM	3500.01	1.60	1 / 1	22.39	23.99	0.251	30.00	-6.01
	64-QAM	3490.02	1.60	1 / 108	21.48	23.08	0.203	30.00	-6.92
	256-QAM	3510.00	1.60	1 / 215	18.41	20.01	0.100	30.00	-9.99
90 MHz	π/2 BPSK	3495.00	1.60	1 / 1	23.31	24.91	0.310	30.00	-5.09
		3500.01	1.60	1 / 243	23.39	24.99	0.316	30.00	-5.01
		3504.99	1.60	1 / 120	23.43	25.03	0.318	30.00	-4.97
	QPSK	3495.00	1.60	1 / 120	23.42	25.02	0.318	30.00	-4.98
		3500.01	1.60	1 / 1	23.50	**25.10**	0.324	30.00	-4.90
		3504.99	1.60	1 / 1	23.34	24.94	0.312	30.00	-5.06
	16-QAM	3504.99	1.60	1 / 120	22.51	24.11	0.258	30.00	-5.89
	64-QAM	3504.99	1.60	1 / 243	21.50	23.10	0.204	30.00	-6.90
	256-QAM	3500.01	1.60	1 / 243	18.62	20.22	0.105	30.00	-9.78
100 MHz	π/2 BPSK	3500.01	1.60	1 / 271	23.46	**25.06**	0.321	30.00	-4.94
	QPSK	3500.01	1.60	1 / 135	23.17	24.77	0.300	30.00	-5.23
	16-QAM	3500.01	1.60	1 / 271	22.52	24.12	0.258	30.00	-5.88
	64-QAM	3500.01	1.60	1 / 271	21.36	22.96	0.198	30.00	-7.04
	256-QAM	3500.01	1.60	1 / 1	18.37	19.97	0.099	30.00	-10.03

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

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	1.60	1 / 12	23.42	**25.02**	0.318	30.00	-4.98
		3500.01	1.60	1 / 12	23.41	25.01	0.317	30.00	-4.99
		3544.98	1.60	1 / 12	23.47	25.07	0.321	30.00	-4.93
	QPSK	3455.01	1.60	1 / 12	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 1	23.50	**25.10**	0.324	30.00	-4.90
		3544.98	1.60	1 / 12	23.48	25.08	0.322	30.00	-4.92
	16-QAM	3500.01	1.60	1 / 12	22.46	24.06	0.255	30.00	-5.94
	64-QAM	3500.01	1.60	1 / 12	21.50	23.10	0.204	30.00	-6.90
	256-QAM	3544.98	1.60	1 / 12	18.49	20.09	0.102	30.00	-9.91
15 MHz	π/2 BPSK	3457.50	1.60	1 / 1	23.43	25.03	0.318	30.00	-4.97
		3500.01	1.60	1 / 36	23.37	24.97	0.314	30.00	-5.03
		3542.49	1.60	1 / 1	23.36	24.96	0.313	30.00	-5.04
	QPSK	3457.50	1.60	1 / 18	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 36	23.49	25.09	0.323	30.00	-4.91
		3542.49	1.60	1 / 18	23.10	24.70	0.295	30.00	-5.30
	16-QAM	3500.01	1.60	1 / 36	22.43	24.03	0.253	30.00	-5.97
	64-QAM	3542.49	1.60	1 / 36	21.49	23.09	0.204	30.00	-6.91
	256-QAM	3457.50	1.60	1 / 36	18.57	20.17	0.104	30.00	-9.83
20 MHz	π/2 BPSK	3460.02	1.60	1 / 25	23.45	25.05	0.320	30.00	-4.95
		3500.01	1.60	1 / 49	23.26	24.86	0.306	30.00	-5.14
		3540.00	1.60	1 / 1	23.50	**25.10**	0.324	30.00	-4.90
	QPSK	3460.02	1.60	1 / 49	23.40	25.00	0.316	30.00	-5.00
		3500.01	1.60	1 / 49	23.47	25.07	0.321	30.00	-4.93
		3540.00	1.60	1 / 49	23.46	25.06	0.321	30.00	-4.94
	16-QAM	3500.01	1.60	1 / 49	22.50	24.10	0.257	30.00	-5.90
	64-QAM	3460.02	1.60	1 / 49	21.50	23.10	0.204	30.00	-6.90
	256-QAM	3500.01	1.60	1 / 1	18.49	20.09	0.102	30.00	-9.91
30 MHz	π/2 BPSK	3465.00	1.60	1 / 76	23.48	25.08	0.322	30.00	-4.92
		3500.01	1.60	1 / 1	23.44	25.04	0.319	30.00	-4.96
		3534.99	1.60	1 / 36	23.42	25.02	0.318	30.00	-4.98
	QPSK	3465.00	1.60	1 / 36	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 76	23.47	25.07	0.321	30.00	-4.93
		3534.99	1.60	1 / 36	23.41	25.01	0.317	30.00	-4.99
	16-QAM	3500.01	1.60	1 / 1	22.50	24.10	0.257	30.00	-5.90
	64-QAM	3500.01	1.60	1 / 1	21.44	23.04	0.201	30.00	-6.96
	256-QAM	3500.01	1.60	1 / 36	18.59	20.19	0.104	30.00	-9.81
40 MHz	π/2 BPSK	3470.01	1.60	1 / 1	23.30	24.90	0.309	30.00	-5.10
		3500.01	1.60	1 / 1	23.43	25.03	0.318	30.00	-4.97
		3529.98	1.60	1 / 50	23.50	**25.10**	0.324	30.00	-4.90
	QPSK	3470.01	1.60	1 / 1	23.35	24.95	0.313	30.00	-5.05
		3500.01	1.60	1 / 1	23.38	24.98	0.315	30.00	-5.02
		3529.98	1.60	1 / 104	23.40	25.00	0.316	30.00	-5.00
	16-QAM	3500.01	1.60	1 / 50	22.34	23.94	0.248	30.00	-6.06
	64-QAM	3500.01	1.60	1 / 104	21.51	23.11	0.205	30.00	-6.89
	256-QAM	3470.01	1.60	1 / 1	18.43	20.03	0.101	30.00	-9.97
50 MHz	π/2 BPSK	3475.02	1.60	1 / 64	23.29	24.89	0.308	30.00	-5.11
		3500.01	1.60	1 / 64	23.45	25.05	0.320	30.00	-4.95
		3525.00	1.60	1 / 1	23.16	24.76	0.299	30.00	-5.24
	QPSK	3475.02	1.60	1 / 1	23.44	25.04	0.319	30.00	-4.96
		3500.01	1.60	1 / 64	23.43	25.03	0.318	30.00	-4.97
		3525.00	1.60	1 / 64	23.50	**25.10**	0.324	30.00	-4.90
	16-QAM	3475.02	1.60	1 / 131	22.49	24.09	0.256	30.00	-5.91
	64-QAM	3475.02	1.60	1 / 64	21.49	23.09	0.204	30.00	-6.91
	256-QAM	3525.00	1.60	1 / 64	18.42	20.02	0.100	30.00	-9.98
60 MHz	π/2 BPSK	3480.00	1.60	1 / 1	23.34	24.94	0.312	30.00	-5.06
		3500.01	1.60	1 / 81	23.38	24.98	0.315	30.00	-5.02
		3519.99	1.60	1 / 160	23.50	**25.10**	0.324	30.00	-4.90
	QPSK	3480.00	1.60	1 / 81	23.43	25.03	0.318	30.00	-4.97
		3500.01	1.60	1 / 160	23.26	24.86	0.306	30.00	-5.14
		3519.99	1.60	1 / 1	23.33	24.93	0.311	30.00	-5.07
	16-QAM	3500.01	1.60	1 / 1	22.42	24.02	0.252	30.00	-5.98
	64-QAM	3519.99	1.60	1 / 81	21.45	23.05	0.202	30.00	-6.95
	256-QAM	3480.00	1.60	1 / 160	18.56	20.16	0.104	30.00	-9.84
70 MHz	π/2 BPSK	3485.01	1.60	1 / 90	23.39	24.99	0.316	30.00	-5.01
		3500.01	1.60	1 / 1	23.50	**25.10**	0.324	30.00	-4.90
		3514.98	1.60	1 / 90	23.31	24.91	0.310	30.00	-5.09
	QPSK	3485.01	1.60	1 / 90	23.33	24.93	0.311	30.00	-5.07
		3500.01	1.60	1 / 1	23.43	25.03	0.318	30.00	-4.97
		3514.98	1.60	1 / 187	23.50	**25.10**	0.324	30.00	-4.90
	16-QAM	3514.98	1.60	1 / 187	22.51	24.11	0.258	30.00	-5.89
	64-QAM	3514.98	1.60	1 / 90	21.39	22.99	0.199	30.00	-7.01
	256-QAM	3485.01	1.60	1 / 187	18.61	20.21	0.105	30.00	-9.79
80 MHz	π/2 BPSK	3490.02	1.60	1 / 215	23.46	25.06	0.321	30.00	-4.94
		3500.01	1.60	1 / 215	23.50	**25.10**	0.324	30.00	-4.90
		3510.00	1.60	1 / 215	23.49	25.09	0.323	30.00	-4.91
	QPSK	3490.02	1.60	1 / 215	23.43	25.03	0.318	30.00	-4.97
		3500.01	1.60	1 / 215	23.28	24.88	0.308	30.00	-5.12
		3510.00	1.60	1 / 215	23.32	24.92	0.310	30.00	-5.08
	16-QAM	3490.02	1.60	1 / 108	22.52	24.12	0.258	30.00	-5.88
	64-QAM	3490.02	1.60	1 / 108	21.50	23.10	0.204	30.00	-6.90
	256-QAM	3490.02	1.60	1 / 1	18.63	20.23	0.105	30.00	-9.77
90 MHz	π/2 BPSK	3495.00	1.60	1 / 243	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 243	23.38	24.98	0.315	30.00	-5.02
		3504.99	1.60	1 / 1	23.40	25.00	0.316	30.00	-5.00
	QPSK	3495.00	1.60	1 / 243	23.50	**25.10**	0.324	30.00	-4.90
		3500.01	1.60	1 / 243	23.46	25.06	0.321	30.00	-4.94
		3504.99	1.60	1 / 243	23.37	24.97	0.314	30.00	-5.03
	16-QAM	3500.01	1.60	1 / 120	22.52	24.12	0.258	30.00	-5.88
	64-QAM	3500.01	1.60	1 / 243	21.50	23.10	0.204	30.00	-6.90
	256-QAM	3504.99	1.60	1 / 120	18.66	20.26	0.106	30.00	-9.74
100 MHz	π/2 BPSK	3500.01	1.60	1 / 135	23.50	**25.10**	0.324	30.00	-4.90
	QPSK	3500.01	1.60	1 / 1	23.47	25.07	0.321	30.00	-4.93
	16-QAM	3500.01	1.60	1 / 1	22.45	24.05	0.254	30.00	-5.95
	64-QAM	3500.01	1.60	1 / 271	21.38	22.98	0.199	30.00	-7.02
	256-QAM	3500.01	1.60	1 / 135	18.47	20.07	0.102	30.00	-9.93

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	0.40	1 / 12	23.43	**23.83**	0.242	30.00	-6.17
		3840.00	0.40	1 / 1	23.34	23.74	0.237	30.00	-6.26
		3975.00	0.40	1 / 1	23.50	**23.90**	0.245	30.00	-6.10
	QPSK	3705.00	0.40	1 / 22	23.36	23.76	0.238	30.00	-6.24
		3840.00	0.40	1 / 1	23.41	23.81	0.240	30.00	-6.19
		3975.00	0.40	1 / 1	23.23	23.63	0.231	30.00	-6.37
	16-QAM	3840.00	0.40	1 / 22	22.47	22.87	0.194	30.00	-7.13
	64-QAM	3705.00	0.40	1 / 12	21.50	21.90	0.155	30.00	-8.10
	256-QAM	3840.00	0.40	1 / 12	18.53	18.93	0.078	30.00	-11.07
15 MHz	π/2 BPSK	3707.51	0.40	1 / 18	23.25	23.65	0.232	30.00	-6.35
		3840.00	0.40	1 / 36	23.48	23.88	0.244	30.00	-6.12
		3972.50	0.40	1 / 18	23.41	23.81	0.240	30.00	-6.19
	QPSK	3707.51	0.40	1 / 1	23.34	23.74	0.237	30.00	-6.26
		3840.00	0.40	1 / 36	23.18	23.58	0.228	30.00	-6.42
		3972.50	0.40	1 / 18	23.50	**23.90**	0.245	30.00	-6.10
	16-QAM	3972.50	0.40	1 / 1	22.48	22.88	0.194	30.00	-7.12
	64-QAM	3707.51	0.40	1 / 1	21.47	21.87	0.154	30.00	-8.13
	256-QAM	3972.50	0.40	1 / 36	18.53	18.93	0.078	30.00	-11.07
20 MHz	π/2 BPSK	3710.01	0.40	1 / 25	23.37	23.77	0.238	30.00	-6.23
		3840.00	0.40	1 / 1	23.34	23.74	0.237	30.00	-6.26
		3969.99	0.40	1 / 49	23.45	23.85	0.243	30.00	-6.15
	QPSK	3710.01	0.40	1 / 25	23.50	**23.90**	0.245	30.00	-6.10
		3840.00	0.40	1 / 49	23.45	23.85	0.243	30.00	-6.15
		3969.99	0.40	1 / 25	23.32	23.72	0.236	30.00	-6.28
	16-QAM	3840.00	0.40	1 / 49	22.40	22.80	0.191	30.00	-7.20
	64-QAM	3710.01	0.40	1 / 49	21.49	21.89	0.155	30.00	-8.11
	256-QAM	3840.00	0.40	1 / 1	18.51	18.91	0.078	30.00	-11.09
30 MHz	π/2 BPSK	3715.02	0.40	1 / 76	23.44	23.84	0.242	30.00	-6.16
		3840.00	0.40	1 / 36	23.42	23.82	0.241	30.00	-6.18
		3964.98	0.40	1 / 36	23.50	**23.90**	0.245	30.00	-6.10
	QPSK	3715.02	0.40	1 / 36	23.20	23.60	0.229	30.00	-6.40
		3840.00	0.40	1 / 1	23.30	23.70	0.234	30.00	-6.30
		3964.98	0.40	1 / 76	23.36	23.76	0.238	30.00	-6.24
	16-QAM	3715.02	0.40	1 / 76	22.46	22.86	0.193	30.00	-7.14
	64-QAM	3840.00	0.40	1 / 36	21.45	21.85	0.153	30.00	-8.15
	256-QAM	3715.02	0.40	1 / 76	18.61	19.01	0.080	30.00	-10.99
40 MHz	π/2 BPSK	3720.00	0.40	1 / 50	23.49	23.89	0.245	30.00	-6.11
		3840.00	0.40	1 / 1	23.38	23.78	0.239	30.00	-6.22
		3960.00	0.40	1 / 104	23.12	23.52	0.225	30.00	-6.48
	QPSK	3720.00	0.40	1 / 104	23.40	23.80	0.240	30.00	-6.20
		3840.00	0.40	1 / 104	23.50	**23.90**	0.245	30.00	-6.10
		3960.00	0.40	1 / 104	23.48	23.88	0.244	30.00	-6.12
	16-QAM	3960.00	0.40	1 / 1	22.50	22.90	0.195	30.00	-7.10
	64-QAM	3840.00	0.40	1 / 50	21.49	21.89	0.155	30.00	-8.11
	256-QAM	3960.00	0.40	1 / 50	18.47	18.87	0.077	30.00	-11.13
50 MHz	π/2 BPSK	3725.01	0.40	1 / 1	23.24	23.64	0.231	30.00	-6.36
		3840.00	0.40	1 / 64	23.50	**23.90**	0.245	30.00	-6.10
		3954.99	0.40	1 / 64	23.40	23.80	0.240	30.00	-6.20
	QPSK	3725.01	0.40	1 / 131	23.21	23.61	0.230	30.00	-6.39
		3840.00	0.40	1 / 1	23.43	23.83	0.242	30.00	-6.17
		3954.99	0.40	1 / 64	23.30	23.70	0.234	30.00	-6.30
	16-QAM	3954.99	0.40	1 / 1	22.51	22.91	0.195	30.00	-7.09
	64-QAM	3840.00	0.40	1 / 64	21.43	21.83	0.152	30.00	-8.17
	256-QAM	3954.99	0.40	1 / 131	18.56	18.96	0.079	30.00	-11.04
60 MHz	π/2 BPSK	3730.02	0.40	1 / 160	23.46	23.86	0.243	30.00	-6.14
		3840.00	0.40	1 / 1	23.40	23.80	0.240	30.00	-6.20
		3949.98	0.40	1 / 160	23.37	23.77	0.238	30.00	-6.23
	QPSK	3730.02	0.40	1 / 1	23.41	23.81	0.240	30.00	-6.19
		3840.00	0.40	1 / 160	23.41	23.81	0.240	30.00	-6.19
		3949.98	0.40	1 / 160	23.50	**23.90**	0.245	30.00	-6.10
	16-QAM	3840.00	0.40	1 / 160	22.44	22.84	0.192	30.00	-7.16
	64-QAM	3730.02	0.40	1 / 1	21.50	21.90	0.155	30.00	-8.10
	256-QAM	3949.98	0.40	1 / 1	18.60	19.00	0.079	30.00	-11.00
70 MHz	π/2 BPSK	3735.00	0.40	1 / 187	23.50	**23.90**	0.245	30.00	-6.10
		3840.00	0.40	1 / 187	23.42	23.82	0.241	30.00	-6.18
		3945.00	0.40	1 / 90	23.28	23.68	0.233	30.00	-6.32
	QPSK	3735.00	0.40	1 / 1	23.33	23.73	0.236	30.00	-6.27
		3840.00	0.40	1 / 1	23.39	23.79	0.239	30.00	-6.21
		3945.00	0.40	1 / 1	23.45	23.85	0.243	30.00	-6.15
	16-QAM	3945.00	0.40	1 / 1	22.49	22.89	0.195	30.00	-7.11
	64-QAM	3945.00	0.40	1 / 90	21.50	21.90	0.155	30.00	-8.10
	256-QAM	3735.00	0.40	1 / 90	18.61	19.01	0.080	30.00	-10.99
80 MHz	π/2 BPSK	3740.01	0.40	1 / 108	23.22	23.62	0.230	30.00	-6.38
		3840.00	0.40	1 / 215	23.44	23.84	0.242	30.00	-6.16
		3939.99	0.40	1 / 215	23.42	23.82	0.241	30.00	-6.18
	QPSK	3740.01	0.40	1 / 215	23.43	23.83	0.242	30.00	-6.17
		3840.00	0.40	1 / 1	23.50	**23.90**	0.245	30.00	-6.10
		3939.99	0.40	1 / 215	23.44	23.84	0.242	30.00	-6.16
	16-QAM	3840.00	0.40	1 / 215	22.46	22.86	0.193	30.00	-7.14
	64-QAM	3740.01	0.40	1 / 108	21.48	21.88	0.154	30.00	-8.12
	256-QAM	3740.01	0.40	1 / 215	18.59	18.99	0.079	30.00	-11.01
90 MHz	π/2 BPSK	3745.02	0.40	1 / 243	23.24	23.64	0.231	30.00	-6.36
		3840.00	0.40	1 / 120	23.49	23.89	0.245	30.00	-6.11
		3934.98	0.40	1 / 243	23.45	23.85	0.243	30.00	-6.15
	QPSK	3745.02	0.40	1 / 1	23.23	23.63	0.231	30.00	-6.37
		3840.00	0.40	1 / 243	23.30	23.70	0.234	30.00	-6.30
		3934.98	0.40	1 / 243	23.50	**23.90**	0.245	30.00	-6.10
	16-QAM	3840.00	0.40	1 / 120	22.49	22.89	0.195	30.00	-7.11
	64-QAM	3934.98	0.40	1 / 1	21.48	21.88	0.154	30.00	-8.12
	256-QAM	3745.02	0.40	1 / 1	18.52	18.92	0.078	30.00	-11.08
100 MHz	π/2 BPSK	3750.00	0.40	1 / 1	23.33	23.73	0.236	30.00	-6.27
		3840.00	0.40	1 / 135	23.50	**23.90**	0.245	30.00	-6.10
		3930.00	0.40	1 / 271	23.25	23.65	0.232	30.00	-6.35
	QPSK	3750.00	0.40	1 / 271	23.34	23.74	0.237	30.00	-6.26
		3840.00	0.40	1 / 271	23.49	23.89	0.245	30.00	-6.11
		3930.00	0.40	1 / 135	23.36	23.76	0.238	30.00	-6.24
	16-QAM	3750.00	0.40	1 / 271	22.38	22.78	0.190	30.00	-7.22
	64-QAM	3930.00	0.40	1 / 1	21.50	21.90	0.155	30.00	-8.10
	256-QAM	3930.00	0.40	1 / 135	18.55	18.95	0.079	30.00	-11.05

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	0.40	1 / 1	23.28	**23.68**	0.233	30.00	-6.32
		3840.00	0.40	1 / 1	23.36	23.76	0.238	30.00	-6.24
		3975.00	0.40	1 / 22	23.19	23.59	0.229	30.00	-6.41
	QPSK	3705.00	0.40	1 / 1	23.37	23.77	0.238	30.00	-6.23
		3840.00	0.40	1 / 1	23.42	23.82	0.241	30.00	-6.18
		3975.00	0.40	1 / 1	23.50	**23.90**	0.245	30.00	-6.10
	16-QAM	3840.00	0.40	1 / 22	22.41	22.81	0.191	30.00	-7.19
	64-QAM	3705.00	0.40	1 / 1	21.47	21.87	0.154	30.00	-8.13
	256-QAM	3705.00	0.40	1 / 22	18.57	18.97	0.079	30.00	-11.03
15 MHz	π/2 BPSK	3707.51	0.40	1 / 36	23.40	23.80	0.240	30.00	-6.20
		3840.00	0.40	1 / 18	23.41	23.81	0.240	30.00	-6.19
		3972.50	0.40	1 / 18	23.50	**23.90**	0.245	30.00	-6.10
	QPSK	3707.51	0.40	1 / 36	23.45	23.85	0.243	30.00	-6.15
		3840.00	0.40	1 / 36	23.35	23.75	0.237	30.00	-6.25
		3972.50	0.40	1 / 1	23.36	23.76	0.238	30.00	-6.24
	16-QAM	3840.00	0.40	1 / 18	22.43	22.83	0.192	30.00	-7.17
	64-QAM	3972.50	0.40	1 / 1	21.47	21.87	0.154	30.00	-8.13
	256-QAM	3972.50	0.40	1 / 18	18.61	19.01	0.080	30.00	-10.99
20 MHz	π/2 BPSK	3710.01	0.40	1 / 1	23.42	23.82	0.241	30.00	-6.18
		3840.00	0.40	1 / 1	23.50	**23.90**	0.245	30.00	-6.10
		3969.99	0.40	1 / 25	23.50	**23.90**	0.245	30.00	-6.10
	QPSK	3710.01	0.40	1 / 49	23.21	23.61	0.230	30.00	-6.39
		3840.00	0.40	1 / 25	23.42	23.82	0.241	30.00	-6.18
		3969.99	0.40	1 / 49	23.45	23.85	0.243	30.00	-6.15
	16-QAM	3840.00	0.40	1 / 25	22.21	22.61	0.182	30.00	-7.39
	64-QAM	3840.00	0.40	1 / 25	21.49	21.89	0.155	30.00	-8.11
	256-QAM	3710.01	0.40	1 / 1	18.65	19.05	0.080	30.00	-10.95
30 MHz	π/2 BPSK	3715.02	0.40	1 / 76	23.32	23.72	0.236	30.00	-6.28
		3840.00	0.40	1 / 76	23.27	23.67	0.233	30.00	-6.33
		3964.98	0.40	1 / 1	23.40	23.80	0.240	30.00	-6.20
	QPSK	3715.02	0.40	1 / 36	23.50	**23.90**	0.245	30.00	-6.10
		3840.00	0.40	1 / 76	23.46	23.86	0.243	30.00	-6.14
		3964.98	0.40	1 / 1	23.47	23.87	0.244	30.00	-6.13
	16-QAM	3840.00	0.40	1 / 36	22.49	22.89	0.195	30.00	-7.11
	64-QAM	3964.98	0.40	1 / 1	21.48	21.88	0.154	30.00	-8.12
	256-QAM	3964.98	0.40	1 / 36	18.55	18.95	0.079	30.00	-11.05
40 MHz	π/2 BPSK	3720.00	0.40	1 / 104	23.32	23.72	0.236	30.00	-6.28
		3840.00	0.40	1 / 50	23.50	**23.90**	0.245	30.00	-6.10
		3960.00	0.40	1 / 104	23.48	23.88	0.244	30.00	-6.12
	QPSK	3720.00	0.40	1 / 1	23.47	23.87	0.244	30.00	-6.13
		3840.00	0.40	1 / 104	23.42	23.82	0.241	30.00	-6.18
		3960.00	0.40	1 / 104	23.46	23.86	0.243	30.00	-6.14
	16-QAM	3720.00	0.40	1 / 50	22.54	22.94	0.197	30.00	-7.06
	64-QAM	3840.00	0.40	1 / 50	21.55	21.95	0.157	30.00	-8.05
	256-QAM	3720.00	0.40	1 / 50	18.63	19.03	0.080	30.00	-10.97
50 MHz	π/2 BPSK	3725.01	0.40	1 / 64	23.27	23.67	0.233	30.00	-6.33
		3840.00	0.40	1 / 64	23.30	23.70	0.234	30.00	-6.30
		3954.99	0.40	1 / 1	23.33	23.73	0.236	30.00	-6.27
	QPSK	3725.01	0.40	1 / 64	23.50	**23.90**	0.245	30.00	-6.10
		3840.00	0.40	1 / 131	23.44	23.84	0.242	30.00	-6.16
		3954.99	0.40	1 / 1	23.43	23.83	0.242	30.00	-6.17
	16-QAM	3954.99	0.40	1 / 131	22.53	22.93	0.196	30.00	-7.07
	64-QAM	3954.99	0.40	1 / 64	21.54	21.94	0.156	30.00	-8.06
	256-QAM	3725.01	0.40	1 / 131	18.64	19.04	0.080	30.00	-10.96
60 MHz	π/2 BPSK	3730.02	0.40	1 / 81	23.43	23.83	0.242	30.00	-6.17
		3840.00	0.40	1 / 1	23.47	23.87	0.244	30.00	-6.13
		3949.98	0.40	1 / 1	23.49	23.89	0.245	30.00	-6.11
	QPSK	3730.02	0.40	1 / 1	23.43	23.83	0.242	30.00	-6.17
		3840.00	0.40	1 / 160	23.50	**23.90**	0.245	30.00	-6.10
		3949.98	0.40	1 / 81	23.41	23.81	0.240	30.00	-6.19
	16-QAM	3840.00	0.40	1 / 81	22.49	22.89	0.195	30.00	-7.11
	64-QAM	3840.00	0.40	1 / 160	21.42	21.82	0.152	30.00	-8.18
	256-QAM	3840.00	0.40	1 / 1	18.59	18.99	0.079	30.00	-11.01
70 MHz	π/2 BPSK	3735.00	0.40	1 / 187	23.30	23.70	0.234	30.00	-6.30
		3840.00	0.40	1 / 90	23.30	23.70	0.234	30.00	-6.30
		3945.00	0.40	1 / 1	23.46	23.86	0.243	30.00	-6.14
	QPSK	3735.00	0.40	1 / 1	23.41	23.81	0.240	30.00	-6.19
		3840.00	0.40	1 / 90	23.50	**23.90**	0.245	30.00	-6.10
		3945.00	0.40	1 / 1	23.35	23.75	0.237	30.00	-6.25
	16-QAM	3735.00	0.40	1 / 90	22.52	22.92	0.196	30.00	-7.08
	64-QAM	3945.00	0.40	1 / 187	21.46	21.86	0.153	30.00	-8.14
	256-QAM	3945.00	0.40	1 / 1	18.57	18.97	0.079	30.00	-11.03
80 MHz	π/2 BPSK	3740.01	0.40	1 / 215	23.14	23.54	0.226	30.00	-6.46
		3840.00	0.40	1 / 108	23.41	23.81	0.240	30.00	-6.19
		3939.99	0.40	1 / 1	23.46	23.86	0.243	30.00	-6.14
	QPSK	3740.01	0.40	1 / 1	23.37	23.77	0.238	30.00	-6.23
		3840.00	0.40	1 / 108	23.50	**23.90**	0.245	30.00	-6.10
		3939.99	0.40	1 / 1	23.36	23.76	0.238	30.00	-6.24
	16-QAM	3939.99	0.40	1 / 108	22.48	22.88	0.194	30.00	-7.12
	64-QAM	3840.00	0.40	1 / 1	21.51	21.91	0.155	30.00	-8.09
	256-QAM	3939.99	0.40	1 / 215	18.47	18.87	0.077	30.00	-11.13
90 MHz	π/2 BPSK	3745.02	0.40	1 / 1	23.48	23.88	0.244	30.00	-6.12
		3840.00	0.40	1 / 120	23.47	23.87	0.244	30.00	-6.13
		3934.98	0.40	1 / 120	23.50	**23.90**	0.245	30.00	-6.10
	QPSK	3745.02	0.40	1 / 120	23.11	23.51	0.224	30.00	-6.49
		3840.00	0.40	1 / 243	23.39	23.79	0.239	30.00	-6.21
		3934.98	0.40	1 / 1	23.34	23.74	0.237	30.00	-6.26
	16-QAM	3934.98	0.40	1 / 120	22.50	22.90	0.195	30.00	-7.10
	64-QAM	3840.00	0.40	1 / 120	21.50	21.90	0.155	30.00	-8.10
	256-QAM	3745.02	0.40	1 / 1	18.55	18.95	0.079	30.00	-11.05
100 MHz	π/2 BPSK	3750.00	0.40	1 / 135	23.46	23.86	0.243	30.00	-6.14
		3840.00	0.40	1 / 135	23.40	23.80	0.240	30.00	-6.20
		3930.00	0.40	1 / 135	23.50	**23.90**	0.245	30.00	-6.10
	QPSK	3750.00	0.40	1 / 271	23.40	23.80	0.240	30.00	-6.20
		3840.00	0.40	1 / 271	23.45	23.85	0.243	30.00	-6.15
		3930.00	0.40	1 / 1	23.46	23.86	0.243	30.00	-6.14
	16-QAM	3750.00	0.40	1 / 271	22.51	22.91	0.195	30.00	-7.09
	64-QAM	3930.00	0.40	1 / 1	21.49	21.89	0.155	30.00	-8.11
	256-QAM	3930.00	0.40	1 / 271	18.47	18.87	0.077	30.00	-11.13

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

7.6.3 Antenna 4 – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	2.00	1 / 22	26.44	**28.44**	0.698	30.00	-1.56
		3500.01	2.00	1 / 12	26.40	28.40	0.692	30.00	-1.60
		3544.98	2.00	1 / 1	26.13	28.13	0.650	30.00	-1.87
	QPSK	3455.01	2.00	1 / 22	26.50	**28.50**	0.708	30.00	-1.50
		3500.01	2.00	1 / 12	26.44	28.44	0.698	30.00	-1.56
		3544.98	2.00	1 / 22	26.42	28.42	0.695	30.00	-1.58
	16-QAM	3455.01	2.00	1 / 1	25.41	27.41	0.551	30.00	-2.59
	64-QAM	3500.01	2.00	1 / 12	24.49	26.49	0.446	30.00	-3.51
	256-QAM	3455.01	2.00	1 / 1	21.60	23.60	0.229	30.00	-6.40
15 MHz	π/2 BPSK	3457.50	2.00	1 / 1	26.40	28.40	0.692	30.00	-1.60
		3500.01	2.00	1 / 1	26.29	28.29	0.675	30.00	-1.71
		3542.49	2.00	1 / 1	26.44	28.44	0.698	30.00	-1.56
	QPSK	3457.50	2.00	1 / 1	26.38	28.38	0.689	30.00	-1.62
		3500.01	2.00	1 / 18	26.50	**28.50**	0.708	30.00	-1.50
		3542.49	2.00	1 / 1	26.38	28.38	0.689	30.00	-1.62
	16-QAM	3542.49	2.00	1 / 18	25.48	27.48	0.560	30.00	-2.52
	64-QAM	3457.50	2.00	1 / 36	24.51	26.51	0.448	30.00	-3.49
	256-QAM	3500.01	2.00	1 / 1	21.62	23.62	0.230	30.00	-6.38
20 MHz	π/2 BPSK	3460.02	2.00	1 / 49	26.49	28.49	0.706	30.00	-1.51
		3500.01	2.00	1 / 49	26.30	28.30	0.676	30.00	-1.70
		3540.00	2.00	1 / 1	26.50	**28.50**	0.708	30.00	-1.50
	QPSK	3460.02	2.00	1 / 25	26.42	28.42	0.695	30.00	-1.58
		3500.01	2.00	1 / 49	26.46	28.46	0.701	30.00	-1.54
		3540.00	2.00	1 / 1	26.43	28.43	0.697	30.00	-1.57
	16-QAM	3540.00	2.00	1 / 49	25.49	27.49	0.561	30.00	-2.51
	64-QAM	3540.00	2.00	1 / 49	24.44	26.44	0.441	30.00	-3.56
	256-QAM	3500.01	2.00	1 / 25	21.55	23.55	0.226	30.00	-6.45
30 MHz	π/2 BPSK	3465.00	2.00	1 / 36	26.33	28.33	0.681	30.00	-1.67
		3500.01	2.00	1 / 1	26.34	28.34	0.682	30.00	-1.66
		3534.99	2.00	1 / 76	26.50	**28.50**	0.708	30.00	-1.50
	QPSK	3465.00	2.00	1 / 1	26.45	28.45	0.700	30.00	-1.55
		3500.01	2.00	1 / 1	26.36	28.36	0.685	30.00	-1.64
		3534.99	2.00	1 / 36	26.44	28.44	0.698	30.00	-1.56
	16-QAM	3500.01	2.00	1 / 1	25.50	27.50	0.562	30.00	-2.50
	64-QAM	3534.99	2.00	1 / 1	24.52	26.52	0.449	30.00	-3.48
	256-QAM	3465.00	2.00	1 / 36	21.54	23.54	0.226	30.00	-6.46
40 MHz	π/2 BPSK	3470.01	2.00	1 / 1	26.50	**28.50**	0.708	30.00	-1.50
		3500.01	2.00	1 / 1	26.32	28.32	0.679	30.00	-1.68
		3529.98	2.00	1 / 1	26.29	28.29	0.675	30.00	-1.71
	QPSK	3470.01	2.00	1 / 50	26.33	28.33	0.681	30.00	-1.67
		3500.01	2.00	1 / 1	26.47	28.47	0.703	30.00	-1.53
		3529.98	2.00	1 / 104	26.50	**28.50**	0.708	30.00	-1.50
	16-QAM	3470.01	2.00	1 / 104	25.46	27.46	0.557	30.00	-2.54
	64-QAM	3529.98	2.00	1 / 50	24.53	26.53	0.450	30.00	-3.47
	256-QAM	3529.98	2.00	1 / 1	21.63	23.63	0.231	30.00	-6.37
50 MHz	π/2 BPSK	3475.02	2.00	1 / 1	26.44	28.44	0.698	30.00	-1.56
		3500.01	2.00	1 / 1	26.36	28.36	0.685	30.00	-1.64
		3525.00	2.00	1 / 64	26.18	28.18	0.658	30.00	-1.82
	QPSK	3475.02	2.00	1 / 131	26.36	28.36	0.685	30.00	-1.64
		3500.01	2.00	1 / 1	26.50	**28.50**	0.708	30.00	-1.50
		3525.00	2.00	1 / 131	26.49	28.49	0.706	30.00	-1.51
	16-QAM	3500.01	2.00	1 / 131	25.50	27.50	0.562	30.00	-2.50
	64-QAM	3475.02	2.00	1 / 1	24.47	26.47	0.444	30.00	-3.53
	256-QAM	3500.01	2.00	1 / 1	21.59	23.59	0.229	30.00	-6.41
60 MHz	π/2 BPSK	3480.00	2.00	1 / 81	26.49	28.49	0.706	30.00	-1.51
		3500.01	2.00	1 / 81	26.46	28.46	0.701	30.00	-1.54
		3519.99	2.00	1 / 81	26.48	28.48	0.705	30.00	-1.52
	QPSK	3480.00	2.00	1 / 160	26.50	**28.50**	0.708	30.00	-1.50
		3500.01	2.00	1 / 81	26.40	28.40	0.692	30.00	-1.60
		3519.99	2.00	1 / 1	26.50	**28.50**	0.708	30.00	-1.50
	16-QAM	3500.01	2.00	1 / 1	25.51	27.51	0.564	30.00	-2.49
	64-QAM	3480.00	2.00	1 / 160	24.50	26.50	0.447	30.00	-3.50
	256-QAM	3480.00	2.00	1 / 81	21.61	23.61	0.230	30.00	-6.39
70 MHz	π/2 BPSK	3485.01	2.00	1 / 1	26.50	**28.50**	0.708	30.00	-1.50
		3500.01	2.00	1 / 90	26.47	28.47	0.703	30.00	-1.53
		3514.98	2.00	1 / 187	26.49	28.49	0.706	30.00	-1.51
	QPSK	3485.01	2.00	1 / 187	26.44	28.44	0.698	30.00	-1.56
		3500.01	2.00	1 / 1	26.41	28.41	0.693	30.00	-1.59
		3514.98	2.00	1 / 1	26.42	28.42	0.695	30.00	-1.58
	16-QAM	3500.01	2.00	1 / 90	25.47	27.47	0.558	30.00	-2.53
	64-QAM	3485.01	2.00	1 / 1	24.48	26.48	0.445	30.00	-3.52
	256-QAM	3485.01	2.00	1 / 90	21.62	23.62	0.230	30.00	-6.38
80 MHz	π/2 BPSK	3490.02	2.00	1 / 1	26.41	28.41	0.693	30.00	-1.59
		3500.01	2.00	1 / 108	26.50	**28.50**	0.708	30.00	-1.50
		3510.00	2.00	1 / 1	26.41	28.41	0.693	30.00	-1.59
	QPSK	3490.02	2.00	1 / 108	26.19	28.19	0.659	30.00	-1.81
		3500.01	2.00	1 / 1	26.33	28.33	0.681	30.00	-1.67
		3510.00	2.00	1 / 108	26.50	**28.50**	0.708	30.00	-1.50
	16-QAM	3500.01	2.00	1 / 215	25.51	27.51	0.564	30.00	-2.49
	64-QAM	3500.01	2.00	1 / 1	24.50	26.50	0.447	30.00	-3.50
	256-QAM	3500.01	2.00	1 / 108	21.58	23.58	0.228	30.00	-6.42
90 MHz	π/2 BPSK	3495.00	2.00	1 / 120	26.33	28.33	0.681	30.00	-1.67
		3500.01	2.00	1 / 120	26.47	28.47	0.703	30.00	-1.53
		3504.99	2.00	1 / 243	26.33	28.33	0.681	30.00	-1.67
	QPSK	3495.00	2.00	1 / 243	26.50	**28.50**	0.708	30.00	-1.50
		3500.01	2.00	1 / 1	26.39	28.39	0.690	30.00	-1.61
		3504.99	2.00	1 / 120	26.45	28.45	0.700	30.00	-1.55
	16-QAM	3500.01	2.00	1 / 243	25.48	27.48	0.560	30.00	-2.52
	64-QAM	3495.00	2.00	1 / 1	24.58	26.58	0.455	30.00	-3.42
	256-QAM	3500.01	2.00	1 / 120	21.69	23.69	0.234	30.00	-6.31
100 MHz	π/2 BPSK	3500.01	2.00	1 / 271	26.50	**28.50**	0.708	30.00	-1.50
	QPSK	3500.01	2.00	1 / 135	26.42	28.42	0.695	30.00	-1.58
	16-QAM	3500.01	2.00	1 / 135	25.44	27.44	0.555	30.00	-2.56
	64-QAM	3500.01	2.00	1 / 1	24.45	26.45	0.442	30.00	-3.55
	256-QAM	3500.01	2.00	1 / 271	21.63	23.63	0.231	30.00	-6.37

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	2.00	1 / 1	25.52	**27.52**	0.565	30.00	-2.48
		3500.01	2.00	1 / 22	25.52	27.52	0.565	30.00	-2.48
		3544.98	2.00	1 / 12	25.59	27.59	0.574	30.00	-2.41
	QPSK	3455.01	2.00	1 / 1	25.40	27.40	0.550	30.00	-2.60
		3500.01	2.00	1 / 1	25.70	**27.70**	0.589	30.00	-2.30
		3544.98	2.00	1 / 22	25.70	**27.70**	0.589	30.00	-2.30
	16-QAM	3500.01	2.00	1 / 1	24.61	26.61	0.458	30.00	-3.39
	64-QAM	3500.01	2.00	1 / 1	23.58	25.58	0.361	30.00	-4.42
	256-QAM	3544.98	2.00	1 / 1	20.69	22.69	0.186	30.00	-7.31
15 MHz	π/2 BPSK	3457.50	2.00	1 / 1	25.68	27.68	0.586	30.00	-2.32
		3500.01	2.00	1 / 18	25.70	**27.70**	0.589	30.00	-2.30
		3542.49	2.00	1 / 18	25.69	27.69	0.587	30.00	-2.31
	QPSK	3457.50	2.00	1 / 36	25.67	27.67	0.585	30.00	-2.33
		3500.01	2.00	1 / 36	25.57	27.57	0.571	30.00	-2.43
		3542.49	2.00	1 / 1	25.70	**27.70**	0.589	30.00	-2.30
	16-QAM	3542.49	2.00	1 / 1	24.67	26.67	0.465	30.00	-3.33
	64-QAM	3457.50	2.00	1 / 36	23.72	25.72	0.373	30.00	-4.28
	256-QAM	3500.01	2.00	1 / 1	20.64	22.64	0.184	30.00	-7.36
20 MHz	π/2 BPSK	3460.02	2.00	1 / 1	25.62	27.62	0.578	30.00	-2.38
		3500.01	2.00	1 / 49	25.70	**27.70**	0.589	30.00	-2.30
		3540.00	2.00	1 / 25	25.55	27.55	0.569	30.00	-2.45
	QPSK	3460.02	2.00	1 / 1	25.69	27.69	0.587	30.00	-2.31
		3500.01	2.00	1 / 49	25.66	27.66	0.583	30.00	-2.34
		3540.00	2.00	1 / 49	25.49	27.49	0.561	30.00	-2.51
	16-QAM	3500.01	2.00	1 / 49	24.69	26.69	0.467	30.00	-3.31
	64-QAM	3500.01	2.00	1 / 49	23.69	25.69	0.371	30.00	-4.31
	256-QAM	3460.02	2.00	1 / 25	20.81	22.81	0.191	30.00	-7.19
30 MHz	π/2 BPSK	3465.00	2.00	1 / 76	25.55	27.55	0.569	30.00	-2.45
		3500.01	2.00	1 / 76	25.70	**27.70**	0.589	30.00	-2.30
		3534.99	2.00	1 / 36	25.55	27.55	0.569	30.00	-2.45
	QPSK	3465.00	2.00	1 / 36	25.60	27.60	0.575	30.00	-2.40
		3500.01	2.00	1 / 36	25.47	27.47	0.558	30.00	-2.53
		3534.99	2.00	1 / 36	25.70	**27.70**	0.589	30.00	-2.30
	16-QAM	3465.00	2.00	1 / 76	24.73	26.73	0.471	30.00	-3.27
	64-QAM	3465.00	2.00	1 / 36	23.69	25.69	0.371	30.00	-4.31
	256-QAM	3534.99	2.00	1 / 36	20.72	22.72	0.187	30.00	-7.28
40 MHz	π/2 BPSK	3470.01	2.00	1 / 50	25.62	27.62	0.578	30.00	-2.38
		3500.01	2.00	1 / 1	25.70	**27.70**	0.589	30.00	-2.30
		3529.98	2.00	1 / 104	25.58	27.58	0.573	30.00	-2.42
	QPSK	3470.01	2.00	1 / 1	25.60	27.60	0.575	30.00	-2.40
		3500.01	2.00	1 / 1	25.57	27.57	0.571	30.00	-2.43
		3529.98	2.00	1 / 104	25.56	27.56	0.570	30.00	-2.44
	16-QAM	3500.01	2.00	1 / 1	24.67	26.67	0.465	30.00	-3.33
	64-QAM	3470.01	2.00	1 / 1	23.59	25.59	0.362	30.00	-4.41
	256-QAM	3529.98	2.00	1 / 50	20.81	22.81	0.191	30.00	-7.19
50 MHz	π/2 BPSK	3475.02	2.00	1 / 1	25.70	**27.70**	0.589	30.00	-2.30
		3500.01	2.00	1 / 1	25.43	27.43	0.553	30.00	-2.57
		3525.00	2.00	1 / 1	25.69	27.69	0.587	30.00	-2.31
	QPSK	3475.02	2.00	1 / 64	25.51	27.51	0.564	30.00	-2.49
		3500.01	2.00	1 / 1	25.60	27.60	0.575	30.00	-2.40
		3525.00	2.00	1 / 1	25.59	27.59	0.574	30.00	-2.41
	16-QAM	3475.02	2.00	1 / 64	24.58	26.58	0.455	30.00	-3.42
	64-QAM	3475.02	2.00	1 / 64	23.66	25.66	0.368	30.00	-4.34
	256-QAM	3500.01	2.00	1 / 131	20.80	22.80	0.191	30.00	-7.20
60 MHz	π/2 BPSK	3480.00	2.00	1 / 160	25.58	27.58	0.573	30.00	-2.42
		3500.01	2.00	1 / 1	25.45	27.45	0.556	30.00	-2.55
		3519.99	2.00	1 / 1	25.70	**27.70**	0.589	30.00	-2.30
	QPSK	3480.00	2.00	1 / 81	25.60	27.60	0.575	30.00	-2.40
		3500.01	2.00	1 / 1	25.60	27.60	0.575	30.00	-2.40
		3519.99	2.00	1 / 1	25.63	27.63	0.579	30.00	-2.37
	16-QAM	3500.01	2.00	1 / 81	24.81	26.81	0.480	30.00	-3.19
	64-QAM	3500.01	2.00	1 / 1	23.69	25.69	0.371	30.00	-4.31
	256-QAM	3519.99	2.00	1 / 160	20.81	22.81	0.191	30.00	-7.19
70 MHz	π/2 BPSK	3485.01	2.00	1 / 187	25.58	27.58	0.573	30.00	-2.42
		3500.01	2.00	1 / 187	25.70	**27.70**	0.589	30.00	-2.30
		3514.98	2.00	1 / 1	25.66	27.66	0.583	30.00	-2.34
	QPSK	3485.01	2.00	1 / 1	25.58	27.58	0.573	30.00	-2.42
		3500.01	2.00	1 / 187	25.70	**27.70**	0.589	30.00	-2.30
		3514.98	2.00	1 / 187	25.64	27.64	0.581	30.00	-2.36
	16-QAM	3500.01	2.00	1 / 1	24.69	26.69	0.467	30.00	-3.31
	64-QAM	3485.01	2.00	1 / 1	23.70	25.70	0.372	30.00	-4.30
	256-QAM	3500.01	2.00	1 / 187	20.80	22.80	0.191	30.00	-7.20
80 MHz	π/2 BPSK	3490.02	2.00	1 / 215	25.67	27.67	0.585	30.00	-2.33
		3500.01	2.00	1 / 108	25.70	**27.70**	0.589	30.00	-2.30
		3510.00	2.00	1 / 1	25.51	27.51	0.564	30.00	-2.49
	QPSK	3490.02	2.00	1 / 108	25.53	27.53	0.566	30.00	-2.47
		3500.01	2.00	1 / 108	25.60	27.60	0.575	30.00	-2.40
		3510.00	2.00	1 / 1	25.55	27.55	0.569	30.00	-2.45
	16-QAM	3510.00	2.00	1 / 108	24.68	26.68	0.466	30.00	-3.32
	64-QAM	3500.01	2.00	1 / 1	23.67	25.67	0.369	30.00	-4.33
	256-QAM	3500.01	2.00	1 / 108	20.76	22.76	0.189	30.00	-7.24
90 MHz	π/2 BPSK	3495.00	2.00	1 / 1	25.70	**27.70**	0.589	30.00	-2.30
		3500.01	2.00	1 / 120	25.64	27.64	0.581	30.00	-2.36
		3504.99	2.00	1 / 243	25.62	27.62	0.578	30.00	-2.38
	QPSK	3495.00	2.00	1 / 1	25.67	27.67	0.585	30.00	-2.33
		3500.01	2.00	1 / 243	25.57	27.57	0.571	30.00	-2.43
		3504.99	2.00	1 / 243	25.61	27.61	0.577	30.00	-2.39
	16-QAM	3495.00	2.00	1 / 120	24.75	26.75	0.473	30.00	-3.25
	64-QAM	3495.00	2.00	1 / 243	23.69	25.69	0.371	30.00	-4.31
	256-QAM	3504.99	2.00	1 / 243	20.77	22.77	0.189	30.00	-7.23
100 MHz	π/2 BPSK	3500.01	2.00	1 / 135	25.68	**27.68**	0.586	30.00	-2.32
	QPSK	3500.01	2.00	1 / 271	25.62	27.62	0.578	30.00	-2.38
	16-QAM	3500.01	2.00	1 / 271	24.48	26.48	0.445	30.00	-3.52
	64-QAM	3500.01	2.00	1 / 271	23.60	25.60	0.363	30.00	-4.40
	256-QAM	3500.01	2.00	1 / 271	20.64	22.64	0.184	30.00	-7.36

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	0.80	1 / 12	26.35	**27.15**	0.519	30.00	-2.85
		3840.00	0.80	1 / 22	26.36	27.16	0.520	30.00	-2.84
		3975.00	0.80	1 / 12	26.50	**27.30**	0.537	30.00	-2.70
	QPSK	3705.00	0.80	1 / 1	26.47	27.27	0.533	30.00	-2.73
		3840.00	0.80	1 / 1	26.47	27.27	0.533	30.00	-2.73
		3975.00	0.80	1 / 22	26.41	27.21	0.526	30.00	-2.79
	16-QAM	3975.00	0.80	1 / 22	25.49	26.29	0.426	30.00	-3.71
	64-QAM	3975.00	0.80	1 / 22	24.41	25.21	0.332	30.00	-4.79
	256-QAM	3840.00	0.80	1 / 1	21.58	22.38	0.173	30.00	-7.62
15 MHz	π/2 BPSK	3707.51	0.80	1 / 36	26.45	27.25	0.531	30.00	-2.75
		3840.00	0.80	1 / 36	26.27	27.07	0.509	30.00	-2.93
		3972.50	0.80	1 / 1	26.50	**27.30**	0.537	30.00	-2.70
	QPSK	3707.51	0.80	1 / 36	26.44	27.24	0.530	30.00	-2.76
		3840.00	0.80	1 / 36	26.46	27.26	0.532	30.00	-2.74
		3972.50	0.80	1 / 18	26.23	27.03	0.505	30.00	-2.97
	16-QAM	3840.00	0.80	1 / 18	25.49	26.29	0.426	30.00	-3.71
	64-QAM	3707.51	0.80	1 / 1	24.51	25.31	0.340	30.00	-4.69
	256-QAM	3707.51	0.80	1 / 18	21.59	22.39	0.173	30.00	-7.61
20 MHz	π/2 BPSK	3710.01	0.80	1 / 1	26.48	27.28	0.535	30.00	-2.72
		3840.00	0.80	1 / 49	26.25	27.05	0.507	30.00	-2.95
		3969.99	0.80	1 / 1	26.49	27.29	0.536	30.00	-2.71
	QPSK	3710.01	0.80	1 / 1	26.50	**27.30**	0.537	30.00	-2.70
		3840.00	0.80	1 / 25	26.27	27.07	0.509	30.00	-2.93
		3969.99	0.80	1 / 1	26.37	27.17	0.521	30.00	-2.83
	16-QAM	3840.00	0.80	1 / 49	25.37	26.17	0.414	30.00	-3.83
	64-QAM	3840.00	0.80	1 / 49	24.46	25.26	0.336	30.00	-4.74
	256-QAM	3969.99	0.80	1 / 25	21.60	22.40	0.174	30.00	-7.60
30 MHz	π/2 BPSK	3715.02	0.80	1 / 76	26.48	27.28	0.535	30.00	-2.72
		3840.00	0.80	1 / 76	26.48	27.28	0.535	30.00	-2.72
		3964.98	0.80	1 / 36	26.39	27.19	0.524	30.00	-2.81
	QPSK	3715.02	0.80	1 / 76	26.50	**27.30**	0.537	30.00	-2.70
		3840.00	0.80	1 / 36	26.45	27.25	0.531	30.00	-2.75
		3964.98	0.80	1 / 1	26.49	27.29	0.536	30.00	-2.71
	16-QAM	3840.00	0.80	1 / 76	25.39	26.19	0.416	30.00	-3.81
	64-QAM	3840.00	0.80	1 / 36	24.49	25.29	0.338	30.00	-4.71
	256-QAM	3964.98	0.80	1 / 36	21.57	22.37	0.173	30.00	-7.63
40 MHz	π/2 BPSK	3720.00	0.80	1 / 1	26.08	26.88	0.488	30.00	-3.12
		3840.00	0.80	1 / 104	26.45	27.25	0.531	30.00	-2.75
		3960.00	0.80	1 / 1	26.36	27.16	0.520	30.00	-2.84
	QPSK	3720.00	0.80	1 / 50	26.44	27.24	0.530	30.00	-2.76
		3840.00	0.80	1 / 50	26.50	**27.30**	0.537	30.00	-2.70
		3960.00	0.80	1 / 104	26.50	**27.30**	0.537	30.00	-2.70
	16-QAM	3960.00	0.80	1 / 1	25.52	26.32	0.429	30.00	-3.68
	64-QAM	3720.00	0.80	1 / 50	24.50	25.30	0.339	30.00	-4.70
	256-QAM	3720.00	0.80	1 / 104	21.60	22.40	0.174	30.00	-7.60
50 MHz	π/2 BPSK	3725.01	0.80	1 / 1	26.36	27.16	0.520	30.00	-2.84
		3840.00	0.80	1 / 64	26.34	27.14	0.518	30.00	-2.86
		3954.99	0.80	1 / 64	26.43	27.23	0.528	30.00	-2.77
	QPSK	3725.01	0.80	1 / 64	26.41	27.21	0.526	30.00	-2.79
		3840.00	0.80	1 / 1	26.34	27.14	0.518	30.00	-2.86
		3954.99	0.80	1 / 1	26.50	**27.30**	0.537	30.00	-2.70
	16-QAM	3840.00	0.80	1 / 1	25.48	26.28	0.425	30.00	-3.72
	64-QAM	3840.00	0.80	1 / 64	24.53	25.33	0.341	30.00	-4.67
	256-QAM	3954.99	0.80	1 / 1	21.62	22.42	0.175	30.00	-7.58
60 MHz	π/2 BPSK	3730.02	0.80	1 / 81	26.50	**27.30**	0.537	30.00	-2.70
		3840.00	0.80	1 / 81	26.45	27.25	0.531	30.00	-2.75
		3949.98	0.80	1 / 160	26.39	27.19	0.524	30.00	-2.81
	QPSK	3730.02	0.80	1 / 160	26.47	27.27	0.533	30.00	-2.73
		3840.00	0.80	1 / 81	26.29	27.09	0.512	30.00	-2.91
		3949.98	0.80	1 / 81	26.48	27.28	0.535	30.00	-2.72
	16-QAM	3840.00	0.80	1 / 81	25.50	26.30	0.427	30.00	-3.70
	64-QAM	3730.02	0.80	1 / 160	24.47	25.27	0.337	30.00	-4.73
	256-QAM	3730.02	0.80	1 / 1	21.60	22.40	0.174	30.00	-7.60
70 MHz	π/2 BPSK	3735.00	0.80	1 / 1	26.43	27.23	0.528	30.00	-2.77
		3840.00	0.80	1 / 1	26.22	27.02	0.504	30.00	-2.98
		3945.00	0.80	1 / 90	26.44	27.24	0.530	30.00	-2.76
	QPSK	3735.00	0.80	1 / 90	26.50	**27.30**	0.537	30.00	-2.70
		3840.00	0.80	1 / 90	26.41	27.21	0.526	30.00	-2.79
		3945.00	0.80	1 / 1	26.46	27.26	0.532	30.00	-2.74
	16-QAM	3945.00	0.80	1 / 90	25.49	26.29	0.426	30.00	-3.71
	64-QAM	3735.00	0.80	1 / 90	24.52	25.32	0.340	30.00	-4.68
	256-QAM	3945.00	0.80	1 / 1	21.62	22.42	0.175	30.00	-7.58
80 MHz	π/2 BPSK	3740.01	0.80	1 / 215	26.34	27.14	0.518	30.00	-2.86
		3840.00	0.80	1 / 108	26.44	27.24	0.530	30.00	-2.76
		3939.99	0.80	1 / 1	26.43	27.23	0.528	30.00	-2.77
	QPSK	3740.01	0.80	1 / 215	26.48	27.28	0.535	30.00	-2.72
		3840.00	0.80	1 / 1	26.50	**27.30**	0.537	30.00	-2.70
		3939.99	0.80	1 / 215	26.37	27.17	0.521	30.00	-2.83
	16-QAM	3740.01	0.80	1 / 1	25.50	26.30	0.427	30.00	-3.70
	64-QAM	3740.01	0.80	1 / 215	24.54	25.34	0.342	30.00	-4.66
	256-QAM	3939.99	0.80	1 / 1	21.67	22.47	0.177	30.00	-7.53
90 MHz	π/2 BPSK	3745.02	0.80	1 / 243	26.21	27.01	0.502	30.00	-2.99
		3840.00	0.80	1 / 120	26.18	26.98	0.499	30.00	-3.02
		3934.98	0.80	1 / 243	26.36	27.16	0.520	30.00	-2.84
	QPSK	3745.02	0.80	1 / 1	26.50	**27.30**	0.537	30.00	-2.70
		3840.00	0.80	1 / 243	26.47	27.27	0.533	30.00	-2.73
		3934.98	0.80	1 / 120	26.14	26.94	0.494	30.00	-3.06
	16-QAM	3934.98	0.80	1 / 120	25.50	26.30	0.427	30.00	-3.70
	64-QAM	3840.00	0.80	1 / 243	24.41	25.21	0.332	30.00	-4.79
	256-QAM	3840.00	0.80	1 / 243	21.44	22.24	0.167	30.00	-7.76
100 MHz	π/2 BPSK	3750.00	0.80	1 / 1	26.45	27.25	0.531	30.00	-2.75
		3840.00	0.80	1 / 135	26.33	27.13	0.516	30.00	-2.87
		3930.00	0.80	1 / 1	26.29	27.09	0.512	30.00	-2.91
	QPSK	3750.00	0.80	1 / 271	26.50	**27.30**	0.537	30.00	-2.70
		3840.00	0.80	1 / 135	26.37	27.17	0.521	30.00	-2.83
		3930.00	0.80	1 / 135	26.35	27.15	0.519	30.00	-2.85
	16-QAM	3750.00	0.80	1 / 271	25.45	26.25	0.422	30.00	-3.75
	64-QAM	3930.00	0.80	1 / 1	24.44	25.24	0.334	30.00	-4.76
	256-QAM	3750.00	0.80	1 / 1	21.56	22.36	0.172	30.00	-7.64

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	0.80	1 / 22	25.68	**26.48**	0.445	30.00	-3.52
		3840.00	0.80	1 / 1	25.58	26.38	0.435	30.00	-3.62
		3975.00	0.80	1 / 22	25.44	26.24	0.421	30.00	-3.76
	QPSK	3705.00	0.80	1 / 22	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 12	25.43	26.23	0.420	30.00	-3.77
		3975.00	0.80	1 / 22	25.59	26.39	0.436	30.00	-3.61
	16-QAM	3705.00	0.80	1 / 22	24.69	25.49	0.354	30.00	-4.51
	64-QAM	3840.00	0.80	1 / 22	23.66	24.46	0.279	30.00	-5.54
	256-QAM	3705.00	0.80	1 / 22	20.81	21.61	0.145	30.00	-8.39
15 MHz	π/2 BPSK	3707.51	0.80	1 / 36	25.65	26.45	0.442	30.00	-3.55
		3840.00	0.80	1 / 36	25.70	**26.50**	0.447	30.00	-3.50
		3972.50	0.80	1 / 18	25.66	26.46	0.443	30.00	-3.54
	QPSK	3707.51	0.80	1 / 1	25.63	26.43	0.440	30.00	-3.57
		3840.00	0.80	1 / 1	25.44	26.24	0.421	30.00	-3.76
		3972.50	0.80	1 / 36	25.60	26.40	0.437	30.00	-3.60
	16-QAM	3840.00	0.80	1 / 36	24.69	25.49	0.354	30.00	-4.51
	64-QAM	3840.00	0.80	1 / 18	23.70	24.50	0.282	30.00	-5.50
	256-QAM	3707.51	0.80	1 / 36	20.77	21.57	0.144	30.00	-8.43
20 MHz	π/2 BPSK	3710.01	0.80	1 / 49	25.67	26.47	0.444	30.00	-3.53
		3840.00	0.80	1 / 49	25.70	**26.50**	0.447	30.00	-3.50
		3969.99	0.80	1 / 1	25.50	26.30	0.427	30.00	-3.70
	QPSK	3710.01	0.80	1 / 49	25.69	26.49	0.446	30.00	-3.51
		3840.00	0.80	1 / 49	25.54	26.34	0.431	30.00	-3.66
		3969.99	0.80	1 / 25	25.54	26.34	0.431	30.00	-3.66
	16-QAM	3710.01	0.80	1 / 1	24.70	25.50	0.355	30.00	-4.50
	64-QAM	3840.00	0.80	1 / 1	23.63	24.43	0.277	30.00	-5.57
	256-QAM	3969.99	0.80	1 / 1	20.71	21.51	0.142	30.00	-8.49
30 MHz	π/2 BPSK	3715.02	0.80	1 / 36	25.55	26.35	0.432	30.00	-3.65
		3840.00	0.80	1 / 36	25.57	26.37	0.434	30.00	-3.63
		3964.98	0.80	1 / 76	25.65	26.45	0.442	30.00	-3.55
	QPSK	3715.02	0.80	1 / 36	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 1	25.56	26.36	0.433	30.00	-3.64
		3964.98	0.80	1 / 76	25.49	26.29	0.426	30.00	-3.71
	16-QAM	3715.02	0.80	1 / 76	24.65	25.45	0.351	30.00	-4.55
	64-QAM	3715.02	0.80	1 / 36	23.59	24.39	0.275	30.00	-5.61
	256-QAM	3964.98	0.80	1 / 1	20.68	21.48	0.141	30.00	-8.52
40 MHz	π/2 BPSK	3720.00	0.80	1 / 1	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 1	25.27	26.07	0.405	30.00	-3.93
		3960.00	0.80	1 / 1	25.69	26.49	0.446	30.00	-3.51
	QPSK	3720.00	0.80	1 / 50	25.63	26.43	0.440	30.00	-3.57
		3840.00	0.80	1 / 1	25.59	26.39	0.436	30.00	-3.61
		3960.00	0.80	1 / 1	25.52	26.32	0.429	30.00	-3.68
	16-QAM	3720.00	0.80	1 / 50	24.64	25.44	0.350	30.00	-4.56
	64-QAM	3960.00	0.80	1 / 104	23.68	24.48	0.281	30.00	-5.52
	256-QAM	3960.00	0.80	1 / 50	20.82	21.62	0.145	30.00	-8.38
50 MHz	π/2 BPSK	3725.01	0.80	1 / 64	25.56	26.36	0.433	30.00	-3.64
		3840.00	0.80	1 / 64	25.48	26.28	0.425	30.00	-3.72
		3954.99	0.80	1 / 64	25.67	26.47	0.444	30.00	-3.53
	QPSK	3725.01	0.80	1 / 131	25.69	26.49	0.446	30.00	-3.51
		3840.00	0.80	1 / 1	25.70	**26.50**	0.447	30.00	-3.50
		3954.99	0.80	1 / 1	25.69	26.49	0.446	30.00	-3.51
	16-QAM	3840.00	0.80	1 / 1	24.69	25.49	0.354	30.00	-4.51
	64-QAM	3954.99	0.80	1 / 64	23.69	24.49	0.281	30.00	-5.51
	256-QAM	3840.00	0.80	1 / 131	20.69	21.49	0.141	30.00	-8.51
60 MHz	π/2 BPSK	3730.02	0.80	1 / 81	25.52	26.32	0.429	30.00	-3.68
		3840.00	0.80	1 / 160	25.64	26.44	0.441	30.00	-3.56
		3949.98	0.80	1 / 160	25.59	26.39	0.436	30.00	-3.61
	QPSK	3730.02	0.80	1 / 160	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 81	25.53	26.33	0.430	30.00	-3.67
		3949.98	0.80	1 / 160	25.67	26.47	0.444	30.00	-3.53
	16-QAM	3949.98	0.80	1 / 1	24.70	25.50	0.355	30.00	-4.50
	64-QAM	3949.98	0.80	1 / 1	23.59	24.39	0.275	30.00	-5.61
	256-QAM	3730.02	0.80	1 / 160	20.69	21.49	0.141	30.00	-8.51
70 MHz	π/2 BPSK	3735.00	0.80	1 / 187	25.60	26.40	0.437	30.00	-3.60
		3840.00	0.80	1 / 1	25.60	26.40	0.437	30.00	-3.60
		3945.00	0.80	1 / 187	25.70	**26.50**	0.447	30.00	-3.50
	QPSK	3735.00	0.80	1 / 1	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 1	25.60	26.40	0.437	30.00	-3.60
		3945.00	0.80	1 / 187	25.67	26.47	0.444	30.00	-3.53
	16-QAM	3945.00	0.80	1 / 187	24.73	25.53	0.357	30.00	-4.47
	64-QAM	3945.00	0.80	1 / 187	23.50	24.30	0.269	30.00	-5.70
	256-QAM	3840.00	0.80	1 / 1	20.68	21.48	0.141	30.00	-8.52
80 MHz	π/2 BPSK	3740.01	0.80	1 / 108	25.64	26.44	0.441	30.00	-3.56
		3840.00	0.80	1 / 108	25.70	**26.50**	0.447	30.00	-3.50
		3939.99	0.80	1 / 1	25.67	26.47	0.444	30.00	-3.53
	QPSK	3740.01	0.80	1 / 215	25.68	26.48	0.445	30.00	-3.52
		3840.00	0.80	1 / 108	25.44	26.24	0.421	30.00	-3.76
		3939.99	0.80	1 / 108	25.68	26.48	0.445	30.00	-3.52
	16-QAM	3939.99	0.80	1 / 215	24.70	25.50	0.355	30.00	-4.50
	64-QAM	3740.01	0.80	1 / 1	23.67	24.47	0.280	30.00	-5.53
	256-QAM	3740.01	0.80	1 / 1	20.78	21.58	0.144	30.00	-8.42
90 MHz	π/2 BPSK	3745.02	0.80	1 / 120	25.51	26.31	0.428	30.00	-3.69
		3840.00	0.80	1 / 120	25.66	26.46	0.443	30.00	-3.54
		3934.98	0.80	1 / 1	25.67	26.47	0.444	30.00	-3.53
	QPSK	3745.02	0.80	1 / 243	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 1	25.36	26.16	0.413	30.00	-3.84
		3934.98	0.80	1 / 1	25.42	26.22	0.419	30.00	-3.78
	16-QAM	3745.02	0.80	1 / 120	24.69	25.49	0.354	30.00	-4.51
	64-QAM	3745.02	0.80	1 / 120	23.65	24.45	0.279	30.00	-5.55
	256-QAM	3745.02	0.80	1 / 1	20.82	21.62	0.145	30.00	-8.38
100 MHz	π/2 BPSK	3750.00	0.80	1 / 1	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 135	25.64	26.44	0.441	30.00	-3.56
		3930.00	0.80	1 / 1	25.47	26.27	0.424	30.00	-3.73
	QPSK	3750.00	0.80	1 / 135	25.51	26.31	0.428	30.00	-3.69
		3840.00	0.80	1 / 271	25.53	26.33	0.430	30.00	-3.67
		3930.00	0.80	1 / 1	25.70	**26.50**	0.447	30.00	-3.50
	16-QAM	3750.00	0.80	1 / 271	24.70	25.50	0.355	30.00	-4.50
	64-QAM	3930.00	0.80	1 / 135	23.65	24.45	0.279	30.00	-5.55
	256-QAM	3930.00	0.80	1 / 135	20.75	21.55	0.143	30.00	-8.45

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

7.6.4 Antenna 1a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	0.90	1 / 22	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 22	23.40	24.30	0.269	30.00	-5.70
		3544.98	0.90	1 / 12	23.47	24.37	0.274	30.00	-5.63
	QPSK	3455.01	0.90	1 / 22	23.35	24.25	0.266	30.00	-5.75
		3500.01	0.90	1 / 12	23.34	24.24	0.265	30.00	-5.76
		3544.98	0.90	1 / 12	23.50	**24.40**	0.275	30.00	-5.60
	16-QAM	3455.01	0.90	1 / 22	22.47	23.37	0.217	30.00	-6.63
	64-QAM	3544.98	0.90	1 / 12	21.38	22.28	0.169	30.00	-7.72
	256-QAM	3544.98	0.90	1 / 1	18.61	19.51	0.089	30.00	-10.49
15 MHz	π/2 BPSK	3457.50	0.90	1 / 1	23.32	24.22	0.264	30.00	-5.78
		3500.01	0.90	1 / 36	23.49	24.39	0.275	30.00	-5.61
		3542.49	0.90	1 / 1	23.48	24.38	0.274	30.00	-5.62
	QPSK	3457.50	0.90	1 / 36	23.42	24.32	0.270	30.00	-5.68
		3500.01	0.90	1 / 1	23.20	24.10	0.257	30.00	-5.90
		3542.49	0.90	1 / 18	23.50	**24.40**	0.275	30.00	-5.60
	16-QAM	3542.49	0.90	1 / 36	22.51	23.41	0.219	30.00	-6.59
	64-QAM	3500.01	0.90	1 / 36	21.52	22.42	0.175	30.00	-7.58
	256-QAM	3542.49	0.90	1 / 36	18.64	19.54	0.090	30.00	-10.46
20 MHz	π/2 BPSK	3460.02	0.90	1 / 49	23.48	24.38	0.274	30.00	-5.62
		3500.01	0.90	1 / 25	23.50	**24.40**	0.275	30.00	-5.60
		3540.00	0.90	1 / 1	23.34	24.24	0.265	30.00	-5.76
	QPSK	3460.02	0.90	1 / 1	23.39	24.29	0.269	30.00	-5.71
		3500.01	0.90	1 / 1	23.34	24.24	0.265	30.00	-5.76
		3540.00	0.90	1 / 1	23.37	24.27	0.267	30.00	-5.73
	16-QAM	3540.00	0.90	1 / 49	22.46	23.36	0.217	30.00	-6.64
	64-QAM	3540.00	0.90	1 / 1	21.52	22.42	0.175	30.00	-7.58
	256-QAM	3500.01	0.90	1 / 25	18.59	19.49	0.089	30.00	-10.51
30 MHz	π/2 BPSK	3465.00	0.90	1 / 1	23.37	24.27	0.267	30.00	-5.73
		3500.01	0.90	1 / 36	23.37	24.27	0.267	30.00	-5.73
		3534.99	0.90	1 / 36	23.42	24.32	0.270	30.00	-5.68
	QPSK	3465.00	0.90	1 / 1	23.43	24.33	0.271	30.00	-5.67
		3500.01	0.90	1 / 76	23.50	**24.40**	0.275	30.00	-5.60
		3534.99	0.90	1 / 1	23.47	24.37	0.274	30.00	-5.63
	16-QAM	3500.01	0.90	1 / 36	22.51	23.41	0.219	30.00	-6.59
	64-QAM	3534.99	0.90	1 / 76	21.48	22.38	0.173	30.00	-7.62
	256-QAM	3534.99	0.90	1 / 36	18.55	19.45	0.088	30.00	-10.55
40 MHz	π/2 BPSK	3470.01	0.90	1 / 104	23.45	24.35	0.272	30.00	-5.65
		3500.01	0.90	1 / 104	23.18	24.08	0.256	30.00	-5.92
		3529.98	0.90	1 / 104	23.40	24.30	0.269	30.00	-5.70
	QPSK	3470.01	0.90	1 / 104	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 1	23.41	24.31	0.270	30.00	-5.69
		3529.98	0.90	1 / 104	23.28	24.18	0.262	30.00	-5.82
	16-QAM	3529.98	0.90	1 / 104	22.52	23.42	0.220	30.00	-6.58
	64-QAM	3470.01	0.90	1 / 104	21.53	22.43	0.175	30.00	-7.57
	256-QAM	3500.01	0.90	1 / 50	18.65	19.55	0.090	30.00	-10.45
50 MHz	π/2 BPSK	3475.02	0.90	1 / 64	23.47	24.37	0.274	30.00	-5.63
		3500.01	0.90	1 / 131	23.48	24.38	0.274	30.00	-5.62
		3525.00	0.90	1 / 131	23.12	24.02	0.252	30.00	-5.98
	QPSK	3475.02	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
		3525.00	0.90	1 / 64	23.31	24.21	0.264	30.00	-5.79
	16-QAM	3500.01	0.90	1 / 1	22.45	23.35	0.216	30.00	-6.65
	64-QAM	3475.02	0.90	1 / 1	21.44	22.34	0.171	30.00	-7.66
	256-QAM	3525.00	0.90	1 / 1	18.61	19.51	0.089	30.00	-10.49
60 MHz	π/2 BPSK	3480.00	0.90	1 / 160	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 1	23.41	24.31	0.270	30.00	-5.69
		3519.99	0.90	1 / 81	23.26	24.16	0.261	30.00	-5.84
	QPSK	3480.00	0.90	1 / 81	23.46	24.36	0.273	30.00	-5.64
		3500.01	0.90	1 / 160	23.37	24.27	0.267	30.00	-5.73
		3519.99	0.90	1 / 160	23.38	24.28	0.268	30.00	-5.72
	16-QAM	3500.01	0.90	1 / 1	22.54	23.44	0.221	30.00	-6.56
	64-QAM	3500.01	0.90	1 / 160	21.54	22.44	0.175	30.00	-7.56
	256-QAM	3500.01	0.90	1 / 1	18.50	19.40	0.087	30.00	-10.60
70 MHz	π/2 BPSK	3485.01	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 90	23.43	24.33	0.271	30.00	-5.67
		3514.98	0.90	1 / 187	23.49	24.39	0.275	30.00	-5.61
	QPSK	3485.01	0.90	1 / 1	23.38	24.28	0.268	30.00	-5.72
		3500.01	0.90	1 / 1	23.27	24.17	0.261	30.00	-5.83
		3514.98	0.90	1 / 1	23.33	24.23	0.265	30.00	-5.77
	16-QAM	3514.98	0.90	1 / 90	22.51	23.41	0.219	30.00	-6.59
	64-QAM	3500.01	0.90	1 / 1	21.47	22.37	0.173	30.00	-7.63
	256-QAM	3500.01	0.90	1 / 187	18.62	19.52	0.090	30.00	-10.48
80 MHz	π/2 BPSK	3490.02	0.90	1 / 1	23.41	24.31	0.270	30.00	-5.69
		3500.01	0.90	1 / 215	23.36	24.26	0.267	30.00	-5.74
		3510.00	0.90	1 / 1	23.33	24.23	0.265	30.00	-5.77
	QPSK	3490.02	0.90	1 / 1	23.43	24.33	0.271	30.00	-5.67
		3500.01	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
		3510.00	0.90	1 / 1	23.43	24.33	0.271	30.00	-5.67
	16-QAM	3500.01	0.90	1 / 1	22.46	23.36	0.217	30.00	-6.64
	64-QAM	3500.01	0.90	1 / 108	21.39	22.29	0.169	30.00	-7.71
	256-QAM	3490.02	0.90	1 / 215	18.58	19.48	0.089	30.00	-10.52
90 MHz	π/2 BPSK	3495.00	0.90	1 / 1	23.31	24.21	0.264	30.00	-5.79
		3500.01	0.90	1 / 120	23.24	24.14	0.259	30.00	-5.86
		3504.99	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
	QPSK	3495.00	0.90	1 / 243	23.29	24.19	0.262	30.00	-5.81
		3500.01	0.90	1 / 120	23.40	24.30	0.269	30.00	-5.70
		3504.99	0.90	1 / 243	23.45	24.35	0.272	30.00	-5.65
	16-QAM	3495.00	0.90	1 / 120	22.48	23.38	0.218	30.00	-6.62
	64-QAM	3500.01	0.90	1 / 1	21.40	22.30	0.170	30.00	-7.70
	256-QAM	3504.99	0.90	1 / 120	18.59	19.49	0.089	30.00	-10.51
100 MHz	π/2 BPSK	3500.01	0.90	1 / 271	23.21	24.11	0.258	30.00	-5.89
	QPSK	3500.01	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
	16-QAM	3500.01	0.90	1 / 1	22.43	23.33	0.215	30.00	-6.67
	64-QAM	3500.01	0.90	1 / 271	21.29	22.19	0.166	30.00	-7.81
	256-QAM	3500.01	0.90	1 / 135	18.36	19.26	0.084	30.00	-10.74

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

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	0.90	1 / 22	23.43	**24.33**	0.271	30.00	-5.67
		3500.01	0.90	1 / 22	23.39	24.29	0.269	30.00	-5.71
		3544.98	0.90	1 / 22	23.45	24.35	0.272	30.00	-5.65
	QPSK	3455.01	0.90	1 / 12	23.30	24.20	0.263	30.00	-5.80
		3500.01	0.90	1 / 1	23.47	24.37	0.274	30.00	-5.63
		3544.98	0.90	1 / 22	23.50	**24.40**	0.275	30.00	-5.60
	16-QAM	3455.01	0.90	1 / 12	22.50	23.40	0.219	30.00	-6.60
	64-QAM	3500.01	0.90	1 / 1	21.46	22.36	0.172	30.00	-7.64
	256-QAM	3544.98	0.90	1 / 1	18.60	19.50	0.089	30.00	-10.50
15 MHz	π/2 BPSK	3457.50	0.90	1 / 18	23.38	24.28	0.268	30.00	-5.72
		3500.01	0.90	1 / 36	23.39	24.29	0.269	30.00	-5.71
		3542.49	0.90	1 / 1	23.41	24.31	0.270	30.00	-5.69
	QPSK	3457.50	0.90	1 / 18	23.45	24.35	0.272	30.00	-5.65
		3500.01	0.90	1 / 36	23.49	24.39	0.275	30.00	-5.61
		3542.49	0.90	1 / 36	23.50	**24.40**	0.275	30.00	-5.60
	16-QAM	3457.50	0.90	1 / 1	22.41	23.31	0.214	30.00	-6.69
	64-QAM	3542.49	0.90	1 / 1	21.28	22.18	0.165	30.00	-7.82
	256-QAM	3500.01	0.90	1 / 36	18.59	19.49	0.089	30.00	-10.51
20 MHz	π/2 BPSK	3460.02	0.90	1 / 25	23.25	24.15	0.260	30.00	-5.85
		3500.01	0.90	1 / 25	23.42	24.32	0.270	30.00	-5.68
		3540.00	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
	QPSK	3460.02	0.90	1 / 25	23.19	24.09	0.256	30.00	-5.91
		3500.01	0.90	1 / 25	23.28	24.18	0.262	30.00	-5.82
		3540.00	0.90	1 / 25	23.36	24.26	0.267	30.00	-5.74
	16-QAM	3500.01	0.90	1 / 25	22.42	23.32	0.215	30.00	-6.68
	64-QAM	3460.02	0.90	1 / 25	21.42	22.32	0.171	30.00	-7.68
	256-QAM	3500.01	0.90	1 / 49	18.60	19.50	0.089	30.00	-10.50
30 MHz	π/2 BPSK	3465.00	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 76	23.39	24.29	0.269	30.00	-5.71
		3534.99	0.90	1 / 76	23.49	24.39	0.275	30.00	-5.61
	QPSK	3465.00	0.90	1 / 36	23.45	24.35	0.272	30.00	-5.65
		3500.01	0.90	1 / 1	23.24	24.14	0.259	30.00	-5.86
		3534.99	0.90	1 / 76	23.44	24.34	0.272	30.00	-5.66
	16-QAM	3534.99	0.90	1 / 76	22.41	23.31	0.214	30.00	-6.69
	64-QAM	3500.01	0.90	1 / 36	21.47	22.37	0.173	30.00	-7.63
	256-QAM	3465.00	0.90	1 / 36	18.43	19.33	0.086	30.00	-10.67
40 MHz	π/2 BPSK	3470.01	0.90	1 / 50	23.47	24.37	0.274	30.00	-5.63
		3500.01	0.90	1 / 50	23.49	24.39	0.275	30.00	-5.61
		3529.98	0.90	1 / 1	23.38	24.28	0.268	30.00	-5.72
	QPSK	3470.01	0.90	1 / 50	23.40	24.30	0.269	30.00	-5.70
		3500.01	0.90	1 / 50	23.27	24.17	0.261	30.00	-5.83
		3529.98	0.90	1 / 1	23.50	**24.40**	0.275	30.00	-5.60
	16-QAM	3500.01	0.90	1 / 50	22.39	23.29	0.213	30.00	-6.71
	64-QAM	3529.98	0.90	1 / 104	21.46	22.36	0.172	30.00	-7.64
	256-QAM	3529.98	0.90	1 / 1	18.58	19.48	0.089	30.00	-10.52
50 MHz	π/2 BPSK	3475.02	0.90	1 / 131	23.40	24.30	0.269	30.00	-5.70
		3500.01	0.90	1 / 64	23.42	24.32	0.270	30.00	-5.68
		3525.00	0.90	1 / 131	23.50	**24.40**	0.275	30.00	-5.60
	QPSK	3475.02	0.90	1 / 131	23.43	24.33	0.271	30.00	-5.67
		3500.01	0.90	1 / 64	23.33	24.23	0.265	30.00	-5.77
		3525.00	0.90	1 / 131	23.37	24.27	0.267	30.00	-5.73
	16-QAM	3500.01	0.90	1 / 1	22.49	23.39	0.218	30.00	-6.61
	64-QAM	3500.01	0.90	1 / 131	21.50	22.40	0.174	30.00	-7.60
	256-QAM	3525.00	0.90	1 / 131	18.63	19.53	0.090	30.00	-10.47
60 MHz	π/2 BPSK	3480.00	0.90	1 / 160	23.41	24.31	0.270	30.00	-5.69
		3500.01	0.90	1 / 81	23.47	24.37	0.274	30.00	-5.63
		3519.99	0.90	1 / 160	23.45	24.35	0.272	30.00	-5.65
	QPSK	3480.00	0.90	1 / 160	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 160	23.35	24.25	0.266	30.00	-5.75
		3519.99	0.90	1 / 81	23.38	24.28	0.268	30.00	-5.72
	16-QAM	3519.99	0.90	1 / 81	22.47	23.37	0.217	30.00	-6.63
	64-QAM	3480.00	0.90	1 / 1	21.52	22.42	0.175	30.00	-7.58
	256-QAM	3480.00	0.90	1 / 81	18.64	19.54	0.090	30.00	-10.46
70 MHz	π/2 BPSK	3485.01	0.90	1 / 90	23.24	24.14	0.259	30.00	-5.86
		3500.01	0.90	1 / 187	23.33	24.23	0.265	30.00	-5.77
		3514.98	0.90	1 / 187	23.45	24.35	0.272	30.00	-5.65
	QPSK	3485.01	0.90	1 / 187	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 90	23.31	24.21	0.264	30.00	-5.79
		3514.98	0.90	1 / 1	23.19	24.09	0.256	30.00	-5.91
	16-QAM	3485.01	0.90	1 / 1	22.49	23.39	0.218	30.00	-6.61
	64-QAM	3500.01	0.90	1 / 187	21.48	22.38	0.173	30.00	-7.62
	256-QAM	3485.01	0.90	1 / 90	18.58	19.48	0.089	30.00	-10.52
80 MHz	π/2 BPSK	3490.02	0.90	1 / 215	23.50	**24.40**	0.275	30.00	-5.60
		3500.01	0.90	1 / 108	23.50	**24.40**	0.275	30.00	-5.60
		3510.00	0.90	1 / 1	23.23	24.13	0.259	30.00	-5.87
	QPSK	3490.02	0.90	1 / 215	23.36	24.26	0.267	30.00	-5.74
		3500.01	0.90	1 / 215	23.49	24.39	0.275	30.00	-5.61
		3510.00	0.90	1 / 215	23.46	24.36	0.273	30.00	-5.64
	16-QAM	3490.02	0.90	1 / 215	22.39	23.29	0.213	30.00	-6.71
	64-QAM	3500.01	0.90	1 / 108	21.48	22.38	0.173	30.00	-7.62
	256-QAM	3500.01	0.90	1 / 215	18.48	19.38	0.087	30.00	-10.62
90 MHz	π/2 BPSK	3495.00	0.90	1 / 120	23.49	24.39	0.275	30.00	-5.61
		3500.01	0.90	1 / 243	23.50	**24.40**	0.275	30.00	-5.60
		3504.99	0.90	1 / 243	23.46	24.36	0.273	30.00	-5.64
	QPSK	3495.00	0.90	1 / 243	23.39	24.29	0.269	30.00	-5.71
		3500.01	0.90	1 / 1	23.34	24.24	0.265	30.00	-5.76
		3504.99	0.90	1 / 120	23.41	24.31	0.270	30.00	-5.69
	16-QAM	3500.01	0.90	1 / 1	22.54	23.44	0.221	30.00	-6.56
	64-QAM	3500.01	0.90	1 / 1	21.50	22.40	0.174	30.00	-7.60
	256-QAM	3504.99	0.90	1 / 120	18.62	19.52	0.090	30.00	-10.48
100 MHz	π/2 BPSK	3500.01	0.90	1 / 1	23.49	**24.39**	0.275	30.00	-5.61
	QPSK	3500.01	0.90	1 / 1	23.41	24.31	0.270	30.00	-5.69
	16-QAM	3500.01	0.90	1 / 135	22.42	23.32	0.215	30.00	-6.68
	64-QAM	3500.01	0.90	1 / 135	21.46	22.36	0.172	30.00	-7.64
	256-QAM	3500.01	0.90	1 / 135	18.51	19.41	0.087	30.00	-10.59

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-1.50	1 / 12	23.36	**21.86**	0.153	30.00	-8.14
		3840.00	-1.50	1 / 12	23.45	21.95	0.157	30.00	-8.05
		3975.00	-1.50	1 / 1	23.50	**22.00**	0.158	30.00	-8.00
	QPSK	3705.00	-1.50	1 / 22	23.23	21.73	0.149	30.00	-8.27
		3840.00	-1.50	1 / 1	23.30	21.80	0.151	30.00	-8.20
		3975.00	-1.50	1 / 1	23.40	21.90	0.155	30.00	-8.10
	16-QAM	3975.00	-1.50	1 / 22	22.51	21.01	0.126	30.00	-8.99
	64-QAM	3705.00	-1.50	1 / 1	21.51	20.01	0.100	30.00	-9.99
	256-QAM	3840.00	-1.50	1 / 22	18.59	17.09	0.051	30.00	-12.91
15 MHz	π/2 BPSK	3707.51	-1.50	1 / 18	23.41	21.91	0.155	30.00	-8.09
		3840.00	-1.50	1 / 36	23.50	**22.00**	0.158	30.00	-8.00
		3972.50	-1.50	1 / 36	23.49	21.99	0.158	30.00	-8.01
	QPSK	3707.51	-1.50	1 / 1	23.37	21.87	0.154	30.00	-8.13
		3840.00	-1.50	1 / 18	23.45	21.95	0.157	30.00	-8.05
		3972.50	-1.50	1 / 18	23.46	21.96	0.157	30.00	-8.04
	16-QAM	3707.51	-1.50	1 / 36	22.43	20.93	0.124	30.00	-9.07
	64-QAM	3707.51	-1.50	1 / 1	21.54	20.04	0.101	30.00	-9.96
	256-QAM	3840.00	-1.50	1 / 1	18.62	17.12	0.052	30.00	-12.88
20 MHz	π/2 BPSK	3710.01	-1.50	1 / 1	23.49	21.99	0.158	30.00	-8.01
		3840.00	-1.50	1 / 49	23.37	21.87	0.154	30.00	-8.13
		3969.99	-1.50	1 / 1	23.30	21.80	0.151	30.00	-8.20
	QPSK	3710.01	-1.50	1 / 49	23.37	21.87	0.154	30.00	-8.13
		3840.00	-1.50	1 / 1	23.50	**22.00**	0.158	30.00	-8.00
		3969.99	-1.50	1 / 25	23.47	21.97	0.157	30.00	-8.03
	16-QAM	3710.01	-1.50	1 / 1	22.35	20.85	0.122	30.00	-9.15
	64-QAM	3710.01	-1.50	1 / 25	21.46	19.96	0.099	30.00	-10.04
	256-QAM	3969.99	-1.50	1 / 1	18.42	16.92	0.049	30.00	-13.08
30 MHz	π/2 BPSK	3715.02	-1.50	1 / 76	23.47	21.97	0.157	30.00	-8.03
		3840.00	-1.50	1 / 76	23.50	**22.00**	0.158	30.00	-8.00
		3964.98	-1.50	1 / 1	23.45	21.95	0.157	30.00	-8.05
	QPSK	3715.02	-1.50	1 / 76	23.46	21.96	0.157	30.00	-8.04
		3840.00	-1.50	1 / 76	23.43	21.93	0.156	30.00	-8.07
		3964.98	-1.50	1 / 76	23.32	21.82	0.152	30.00	-8.18
	16-QAM	3964.98	-1.50	1 / 36	22.42	20.92	0.124	30.00	-9.08
	64-QAM	3840.00	-1.50	1 / 1	21.45	19.95	0.099	30.00	-10.05
	256-QAM	3964.98	-1.50	1 / 76	18.60	17.10	0.051	30.00	-12.90
40 MHz	π/2 BPSK	3720.00	-1.50	1 / 1	23.17	21.67	0.147	30.00	-8.33
		3840.00	-1.50	1 / 1	23.30	21.80	0.151	30.00	-8.20
		3960.00	-1.50	1 / 50	23.10	21.60	0.145	30.00	-8.40
	QPSK	3720.00	-1.50	1 / 104	23.48	21.98	0.158	30.00	-8.02
		3840.00	-1.50	1 / 104	23.39	21.89	0.155	30.00	-8.11
		3960.00	-1.50	1 / 104	23.50	**22.00**	0.158	30.00	-8.00
	16-QAM	3840.00	-1.50	1 / 104	22.35	20.85	0.122	30.00	-9.15
	64-QAM	3960.00	-1.50	1 / 1	21.47	19.97	0.099	30.00	-10.03
	256-QAM	3840.00	-1.50	1 / 104	18.54	17.04	0.051	30.00	-12.96
50 MHz	π/2 BPSK	3725.01	-1.50	1 / 64	23.50	**22.00**	0.158	30.00	-8.00
		3840.00	-1.50	1 / 64	23.30	21.80	0.151	30.00	-8.20
		3954.99	-1.50	1 / 131	23.28	21.78	0.151	30.00	-8.22
	QPSK	3725.01	-1.50	1 / 1	23.44	21.94	0.156	30.00	-8.06
		3840.00	-1.50	1 / 131	23.50	**22.00**	0.158	30.00	-8.00
		3954.99	-1.50	1 / 131	23.45	21.95	0.157	30.00	-8.05
	16-QAM	3725.01	-1.50	1 / 64	22.42	20.92	0.124	30.00	-9.08
	64-QAM	3840.00	-1.50	1 / 64	21.46	19.96	0.099	30.00	-10.04
	256-QAM	3725.01	-1.50	1 / 131	18.52	17.02	0.050	30.00	-12.98
60 MHz	π/2 BPSK	3730.02	-1.50	1 / 81	23.31	21.81	0.152	30.00	-8.19
		3840.00	-1.50	1 / 160	23.49	21.99	0.158	30.00	-8.01
		3949.98	-1.50	1 / 160	23.50	**22.00**	0.158	30.00	-8.00
	QPSK	3730.02	-1.50	1 / 1	23.35	21.85	0.153	30.00	-8.15
		3840.00	-1.50	1 / 1	23.48	21.98	0.158	30.00	-8.02
		3949.98	-1.50	1 / 1	23.36	21.86	0.153	30.00	-8.14
	16-QAM	3840.00	-1.50	1 / 160	22.48	20.98	0.125	30.00	-9.02
	64-QAM	3949.98	-1.50	1 / 81	21.50	20.00	0.100	30.00	-10.00
	256-QAM	3730.02	-1.50	1 / 160	18.61	17.11	0.051	30.00	-12.89
70 MHz	π/2 BPSK	3735.00	-1.50	1 / 90	23.30	21.80	0.151	30.00	-8.20
		3840.00	-1.50	1 / 1	23.41	21.91	0.155	30.00	-8.09
		3945.00	-1.50	1 / 1	23.41	21.91	0.155	30.00	-8.09
	QPSK	3735.00	-1.50	1 / 1	23.50	**22.00**	0.158	30.00	-8.00
		3840.00	-1.50	1 / 187	23.49	21.99	0.158	30.00	-8.01
		3945.00	-1.50	1 / 1	23.48	21.98	0.158	30.00	-8.02
	16-QAM	3735.00	-1.50	1 / 1	22.50	21.00	0.126	30.00	-9.00
	64-QAM	3735.00	-1.50	1 / 187	21.54	20.04	0.101	30.00	-9.96
	256-QAM	3840.00	-1.50	1 / 90	18.63	17.13	0.052	30.00	-12.87
80 MHz	π/2 BPSK	3740.01	-1.50	1 / 108	23.41	21.91	0.155	30.00	-8.09
		3840.00	-1.50	1 / 108	23.43	21.93	0.156	30.00	-8.07
		3939.99	-1.50	1 / 215	23.50	**22.00**	0.158	30.00	-8.00
	QPSK	3740.01	-1.50	1 / 108	23.22	21.72	0.149	30.00	-8.28
		3840.00	-1.50	1 / 108	23.21	21.71	0.148	30.00	-8.29
		3939.99	-1.50	1 / 215	23.49	21.99	0.158	30.00	-8.01
	16-QAM	3740.01	-1.50	1 / 1	22.52	21.02	0.126	30.00	-8.98
	64-QAM	3939.99	-1.50	1 / 1	21.48	19.98	0.100	30.00	-10.02
	256-QAM	3840.00	-1.50	1 / 215	18.58	17.08	0.051	30.00	-12.92
90 MHz	π/2 BPSK	3745.02	-1.50	1 / 1	23.17	21.67	0.147	30.00	-8.33
		3840.00	-1.50	1 / 243	23.43	21.93	0.156	30.00	-8.07
		3934.98	-1.50	1 / 1	23.39	21.89	0.155	30.00	-8.11
	QPSK	3745.02	-1.50	1 / 243	23.10	21.60	0.145	30.00	-8.40
		3840.00	-1.50	1 / 243	23.50	**22.00**	0.158	30.00	-8.00
		3934.98	-1.50	1 / 1	23.46	21.96	0.157	30.00	-8.04
	16-QAM	3840.00	-1.50	1 / 243	22.50	21.00	0.126	30.00	-9.00
	64-QAM	3934.98	-1.50	1 / 1	21.47	19.97	0.099	30.00	-10.03
	256-QAM	3745.02	-1.50	1 / 1	18.52	17.02	0.050	30.00	-12.98
100 MHz	π/2 BPSK	3750.00	-1.50	1 / 1	23.50	**22.00**	0.158	30.00	-8.00
		3840.00	-1.50	1 / 271	23.39	21.89	0.155	30.00	-8.11
		3930.00	-1.50	1 / 1	23.27	21.77	0.150	30.00	-8.23
	QPSK	3750.00	-1.50	1 / 271	23.27	21.77	0.150	30.00	-8.23
		3840.00	-1.50	1 / 135	23.45	21.95	0.157	30.00	-8.05
		3930.00	-1.50	1 / 271	23.44	21.94	0.156	30.00	-8.06
	16-QAM	3840.00	-1.50	1 / 135	22.38	20.88	0.122	30.00	-9.12
	64-QAM	3840.00	-1.50	1 / 271	21.54	20.04	0.101	30.00	-9.96
	256-QAM	3930.00	-1.50	1 / 135	18.37	16.87	0.049	30.00	-13.13

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-1.50	1 / 22	23.32	**21.82**	0.152	30.00	-8.18
		3840.00	-1.50	1 / 22	23.50	**22.00**	0.158	30.00	-8.00
		3975.00	-1.50	1 / 1	23.41	21.91	0.155	30.00	-8.09
	QPSK	3705.00	-1.50	1 / 1	23.46	21.96	0.157	30.00	-8.04
		3840.00	-1.50	1 / 22	23.42	21.92	0.156	30.00	-8.08
		3975.00	-1.50	1 / 22	23.35	21.85	0.153	30.00	-8.15
	16-QAM	3840.00	-1.50	1 / 1	22.54	21.04	0.127	30.00	-8.96
	64-QAM	3705.00	-1.50	1 / 22	21.56	20.06	0.101	30.00	-9.94
	256-QAM	3705.00	-1.50	1 / 1	18.66	17.16	0.052	30.00	-12.84
15 MHz	π/2 BPSK	3707.51	-1.50	1 / 1	23.39	21.89	0.155	30.00	-8.11
		3840.00	-1.50	1 / 1	23.50	**22.00**	0.158	30.00	-8.00
		3972.50	-1.50	1 / 18	23.47	21.97	0.157	30.00	-8.03
	QPSK	3707.51	-1.50	1 / 18	23.48	21.98	0.158	30.00	-8.02
		3840.00	-1.50	1 / 18	23.45	21.95	0.157	30.00	-8.05
		3972.50	-1.50	1 / 36	23.34	21.84	0.153	30.00	-8.16
	16-QAM	3972.50	-1.50	1 / 18	22.49	20.99	0.126	30.00	-9.01
	64-QAM	3840.00	-1.50	1 / 36	21.50	20.00	0.100	30.00	-10.00
	256-QAM	3840.00	-1.50	1 / 36	18.54	17.04	0.051	30.00	-12.96
20 MHz	π/2 BPSK	3710.01	-1.50	1 / 25	23.36	21.86	0.153	30.00	-8.14
		3840.00	-1.50	1 / 49	23.35	21.85	0.153	30.00	-8.15
		3969.99	-1.50	1 / 49	23.50	**22.00**	0.158	30.00	-8.00
	QPSK	3710.01	-1.50	1 / 1	23.45	21.95	0.157	30.00	-8.05
		3840.00	-1.50	1 / 1	23.44	21.94	0.156	30.00	-8.06
		3969.99	-1.50	1 / 25	23.45	21.95	0.157	30.00	-8.05
	16-QAM	3710.01	-1.50	1 / 49	22.44	20.94	0.124	30.00	-9.06
	64-QAM	3710.01	-1.50	1 / 1	21.46	19.96	0.099	30.00	-10.04
	256-QAM	3710.01	-1.50	1 / 49	18.68	17.18	0.052	30.00	-12.82
30 MHz	π/2 BPSK	3715.02	-1.50	1 / 1	23.39	21.89	0.155	30.00	-8.11
		3840.00	-1.50	1 / 76	23.41	21.91	0.155	30.00	-8.09
		3964.98	-1.50	1 / 76	23.37	21.87	0.154	30.00	-8.13
	QPSK	3715.02	-1.50	1 / 36	23.50	**22.00**	0.158	30.00	-8.00
		3840.00	-1.50	1 / 1	23.29	21.79	0.151	30.00	-8.21
		3964.98	-1.50	1 / 36	23.43	21.93	0.156	30.00	-8.07
	16-QAM	3840.00	-1.50	1 / 76	22.49	20.99	0.126	30.00	-9.01
	64-QAM	3964.98	-1.50	1 / 1	21.34	19.84	0.096	30.00	-10.16
	256-QAM	3715.02	-1.50	1 / 1	18.57	17.07	0.051	30.00	-12.93
40 MHz	π/2 BPSK	3720.00	-1.50	1 / 104	23.32	21.82	0.152	30.00	-8.18
		3840.00	-1.50	1 / 1	23.44	21.94	0.156	30.00	-8.06
		3960.00	-1.50	1 / 1	23.50	**22.00**	0.158	30.00	-8.00
	QPSK	3720.00	-1.50	1 / 50	23.48	21.98	0.158	30.00	-8.02
		3840.00	-1.50	1 / 104	23.36	21.86	0.153	30.00	-8.14
		3960.00	-1.50	1 / 50	23.44	21.94	0.156	30.00	-8.06
	16-QAM	3720.00	-1.50	1 / 50	22.55	21.05	0.127	30.00	-8.95
	64-QAM	3960.00	-1.50	1 / 1	21.51	20.01	0.100	30.00	-9.99
	256-QAM	3720.00	-1.50	1 / 1	18.64	17.14	0.052	30.00	-12.86
50 MHz	π/2 BPSK	3725.01	-1.50	1 / 64	23.32	21.82	0.152	30.00	-8.18
		3840.00	-1.50	1 / 131	23.50	**22.00**	0.158	30.00	-8.00
		3954.99	-1.50	1 / 1	23.42	21.92	0.156	30.00	-8.08
	QPSK	3725.01	-1.50	1 / 131	23.38	21.88	0.154	30.00	-8.12
		3840.00	-1.50	1 / 1	23.50	**22.00**	0.158	30.00	-8.00
		3954.99	-1.50	1 / 131	23.37	21.87	0.154	30.00	-8.13
	16-QAM	3954.99	-1.50	1 / 64	22.54	21.04	0.127	30.00	-8.96
	64-QAM	3954.99	-1.50	1 / 131	21.53	20.03	0.101	30.00	-9.97
	256-QAM	3725.01	-1.50	1 / 64	18.66	17.16	0.052	30.00	-12.84
60 MHz	π/2 BPSK	3730.02	-1.50	1 / 1	23.50	**22.00**	0.158	30.00	-8.00
		3840.00	-1.50	1 / 81	23.48	21.98	0.158	30.00	-8.02
		3949.98	-1.50	1 / 1	23.35	21.85	0.153	30.00	-8.15
	QPSK	3730.02	-1.50	1 / 1	23.49	21.99	0.158	30.00	-8.01
		3840.00	-1.50	1 / 1	23.14	21.64	0.146	30.00	-8.36
		3949.98	-1.50	1 / 160	23.26	21.76	0.150	30.00	-8.24
	16-QAM	3949.98	-1.50	1 / 160	22.26	20.76	0.119	30.00	-9.24
	64-QAM	3840.00	-1.50	1 / 160	21.49	19.99	0.100	30.00	-10.01
	256-QAM	3949.98	-1.50	1 / 160	18.52	17.02	0.050	30.00	-12.98
70 MHz	π/2 BPSK	3735.00	-1.50	1 / 187	23.50	**22.00**	0.158	30.00	-8.00
		3840.00	-1.50	1 / 90	23.22	21.72	0.149	30.00	-8.28
		3945.00	-1.50	1 / 187	23.35	21.85	0.153	30.00	-8.15
	QPSK	3735.00	-1.50	1 / 187	23.47	21.97	0.157	30.00	-8.03
		3840.00	-1.50	1 / 90	23.24	21.74	0.149	30.00	-8.26
		3945.00	-1.50	1 / 90	23.40	21.90	0.155	30.00	-8.10
	16-QAM	3840.00	-1.50	1 / 187	22.49	20.99	0.126	30.00	-9.01
	64-QAM	3735.00	-1.50	1 / 90	21.43	19.93	0.098	30.00	-10.07
	256-QAM	3840.00	-1.50	1 / 1	18.54	17.04	0.051	30.00	-12.96
80 MHz	π/2 BPSK	3740.01	-1.50	1 / 215	23.43	21.93	0.156	30.00	-8.07
		3840.00	-1.50	1 / 108	23.50	**22.00**	0.158	30.00	-8.00
		3939.99	-1.50	1 / 1	23.38	21.88	0.154	30.00	-8.12
	QPSK	3740.01	-1.50	1 / 215	23.18	21.68	0.147	30.00	-8.32
		3840.00	-1.50	1 / 108	23.36	21.86	0.153	30.00	-8.14
		3939.99	-1.50	1 / 108	23.47	21.97	0.157	30.00	-8.03
	16-QAM	3939.99	-1.50	1 / 1	22.49	20.99	0.126	30.00	-9.01
	64-QAM	3840.00	-1.50	1 / 108	21.53	20.03	0.101	30.00	-9.97
	256-QAM	3939.99	-1.50	1 / 108	18.62	17.12	0.052	30.00	-12.88
90 MHz	π/2 BPSK	3745.02	-1.50	1 / 1	23.34	21.84	0.153	30.00	-8.16
		3840.00	-1.50	1 / 243	23.50	**22.00**	0.158	30.00	-8.00
		3934.98	-1.50	1 / 1	23.49	21.99	0.158	30.00	-8.01
	QPSK	3745.02	-1.50	1 / 120	23.48	21.98	0.158	30.00	-8.02
		3840.00	-1.50	1 / 1	23.42	21.92	0.156	30.00	-8.08
		3934.98	-1.50	1 / 1	23.16	21.66	0.147	30.00	-8.34
	16-QAM	3840.00	-1.50	1 / 243	22.49	20.99	0.126	30.00	-9.01
	64-QAM	3745.02	-1.50	1 / 1	21.56	20.06	0.101	30.00	-9.94
	256-QAM	3934.98	-1.50	1 / 1	18.66	17.16	0.052	30.00	-12.84
100 MHz	π/2 BPSK	3750.00	-1.50	1 / 271	23.47	21.97	0.157	30.00	-8.03
		3840.00	-1.50	1 / 135	23.50	**22.00**	0.158	30.00	-8.00
		3930.00	-1.50	1 / 1	23.45	21.95	0.157	30.00	-8.05
	QPSK	3750.00	-1.50	1 / 271	23.40	21.90	0.155	30.00	-8.10
		3840.00	-1.50	1 / 1	23.38	21.88	0.154	30.00	-8.12
		3930.00	-1.50	1 / 271	23.42	21.92	0.156	30.00	-8.08
	16-QAM	3930.00	-1.50	1 / 271	22.46	20.96	0.125	30.00	-9.04
	64-QAM	3750.00	-1.50	1 / 271	21.39	19.89	0.097	30.00	-10.11
	256-QAM	3750.00	-1.50	1 / 271	18.56	17.06	0.051	30.00	-12.94

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

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 ≥ 3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points ≥ 2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

Test Setup

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

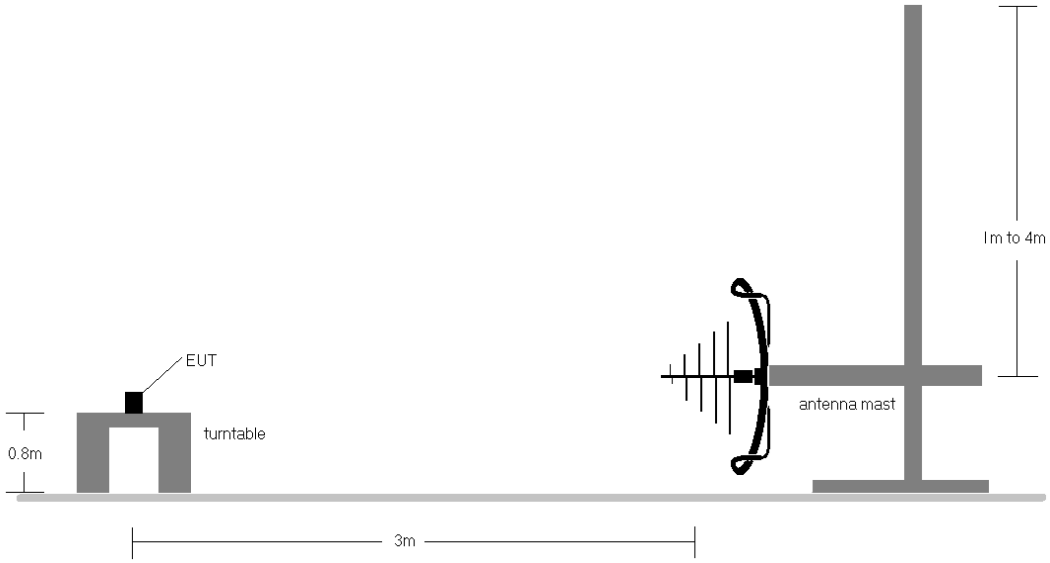


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

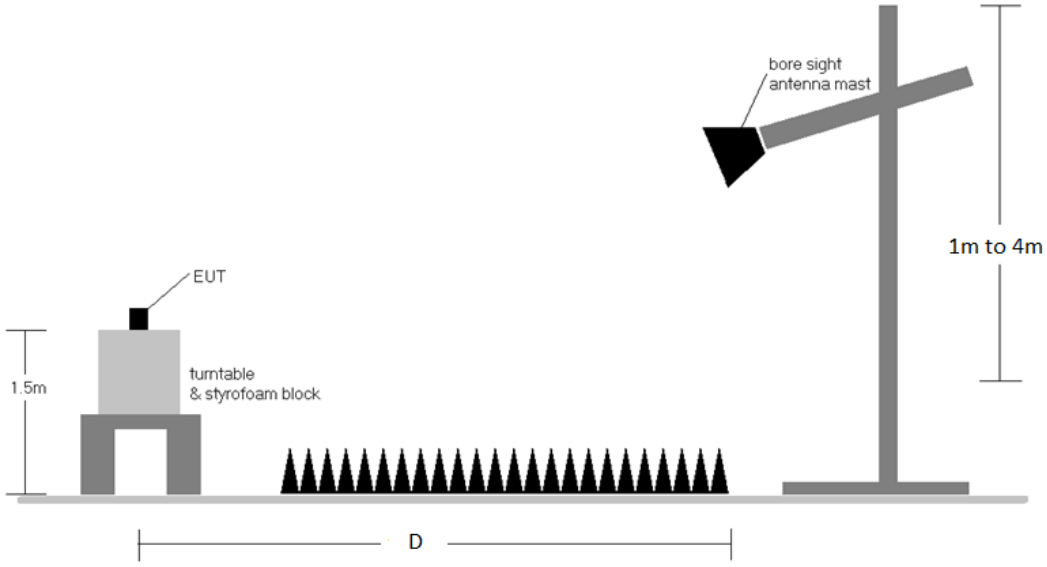


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
    a. E(dBµV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m)
    b. EIRP (dBm) = E(dBµV/m) + 20logD – 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.

7.7.1 Antenna 3b Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-77.94	6.69	35.74	-59.51	-13.00	-46.51
10485.0	V	-	-	-79.66	8.24	35.58	-59.67	-13.00	-46.67
13980.0	H	-	-	-82.12	13.44	38.32	-56.94	-13.00	-43.94

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	-	-	-77.92	6.67	35.75	-59.51	-13.00	-46.51
10500.0	V	-	-	-79.46	8.22	35.76	-59.49	-13.00	-46.49
14000.0	V	-	-	-82.01	13.12	38.11	-57.15	-13.00	-44.15

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-78.03	6.67	35.64	-59.62	-13.00	-46.62
10515.0	V	-	-	-79.29	8.15	35.85	-59.40	-13.00	-46.40
14020.0	H	-	-	-82.28	13.18	37.90	-57.36	-13.00	-44.36

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

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	-	-	-78.22	6.60	35.38	-59.88	-13.00	-46.88
11250.0	V	-	-	-79.81	9.23	36.42	-58.84	-13.00	-45.84
15000.0	H	-	-	-83.14	15.17	39.03	-56.23	-13.00	-43.23

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-78.04	5.80	34.76	-60.50	-13.00	-47.50
11520.0	V	-	-	-80.33	10.11	36.77	-58.48	-13.00	-45.48
15360.0	V	-	-	-83.17	15.31	39.14	-56.12	-13.00	-43.12

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-78.30	5.94	34.64	-60.62	-13.00	-47.62
11790.0	V	-	-	-80.38	10.85	37.46	-57.80	-13.00	-44.80
15720.0	V	-	-	-83.51	16.36	39.85	-55.41	-13.00	-42.41

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

7.7.2 Antenna 2a Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-78.06	6.69	35.63	-59.63	-13.00	-46.63
10485.0	H	-	-	-79.54	8.29	35.76	-59.50	-13.00	-46.50
13980.0	V	-	-	-81.72	13.19	38.47	-56.79	-13.00	-43.79

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-77.93	6.67	35.74	-59.52	-13.00	-46.52
10500.0	H	-	-	-79.49	8.22	35.73	-59.53	-13.00	-46.53
14000.0	V	-	-	-82.06	13.12	38.06	-57.20	-13.00	-44.20

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	-	-	-77.90	6.67	35.77	-59.49	-13.00	-46.49
10515.0	V	-	-	-79.24	8.07	35.82	-59.43	-13.00	-46.43
14020.0	V	-	-	-82.05	13.18	38.13	-57.12	-13.00	-44.12

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

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	-	-	-78.18	6.54	35.36	-59.90	-13.00	-46.90
11250.0	V	-	-	-79.94	9.23	36.29	-58.97	-13.00	-45.97
15000.0	H	-	-	-82.64	15.02	39.38	-55.88	-13.00	-42.88

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-78.04	5.98	34.94	-60.32	-13.00	-47.32
11520.0	V	-	-	-80.26	10.08	36.83	-58.43	-13.00	-45.43
15360.0	V	-	-	-83.07	15.50	39.43	-55.83	-13.00	-42.83

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

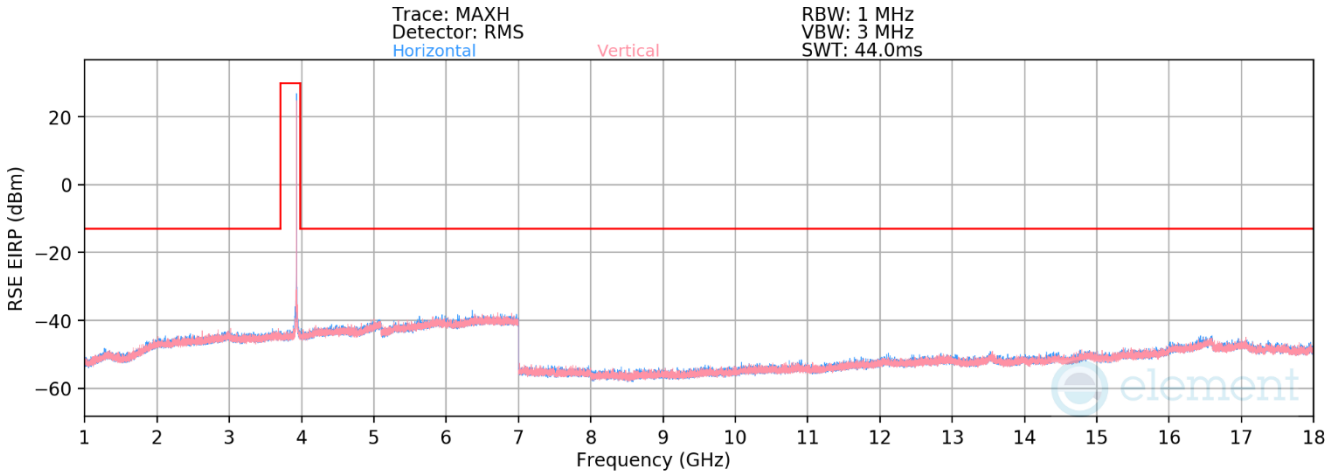
Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-78.09	5.81	34.72	-60.54	-13.00	-47.54
11790.0	V	-	-	-80.40	10.85	37.44	-57.82	-13.00	-44.82
15720.0	V	-	-	-83.43	16.36	39.93	-55.32	-13.00	-42.32

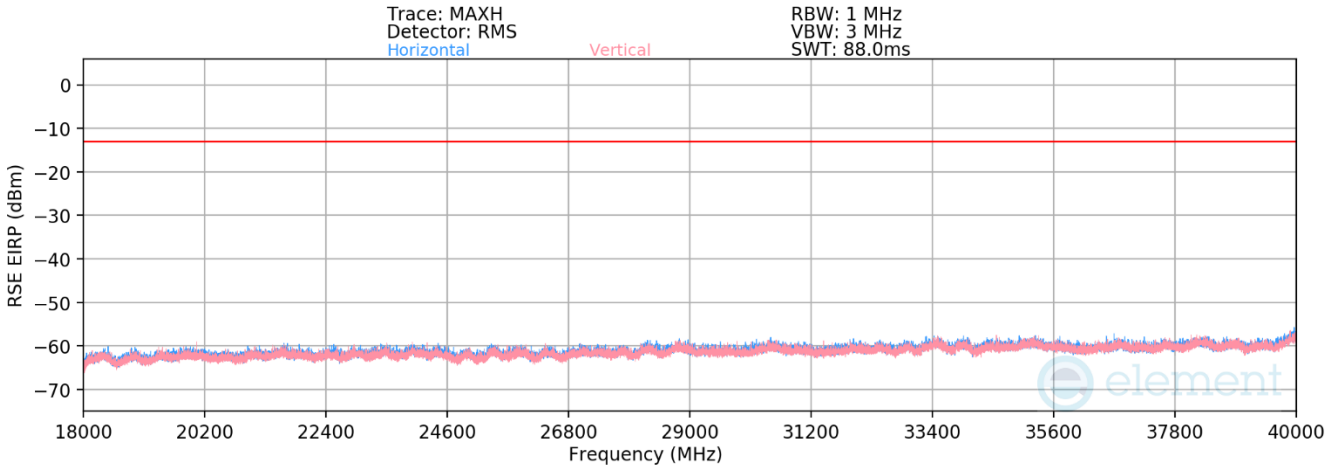
Table 7-29. Antenna 2a Radiated Spurious Data (NR Band n77 C Band – High Channel)

7.7.3 Antenna 4 Radiated Spurious Emission Measurements

NR Band n77 DoD Band



Plot 7-415. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 DoD Band)



Plot 7-416. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-77.83	6.69	35.85	-59.40	-13.00	-46.40
10485.0	V	-	-	-79.21	8.02	35.80	-59.45	-13.00	-46.45
13980.0	H	-	-	-81.75	13.34	38.59	-56.67	-13.00	-43.67

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-77.84	6.67	35.83	-59.43	-13.00	-46.43
10500.0	V	236	219	-74.78	8.07	40.28	-54.98	-13.00	-41.98
14000.0	H	-	-	-81.61	13.05	38.44	-56.81	-13.00	-43.81
17500.0	V	-	-	-82.46	18.12	42.67	-52.59	-13.00	-39.59

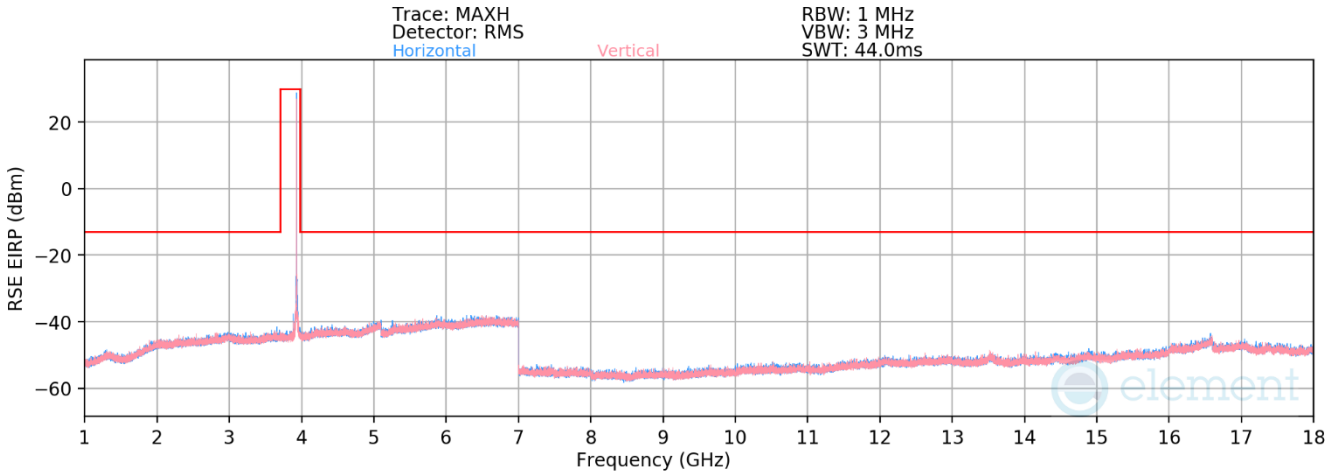
Table 7-31. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

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

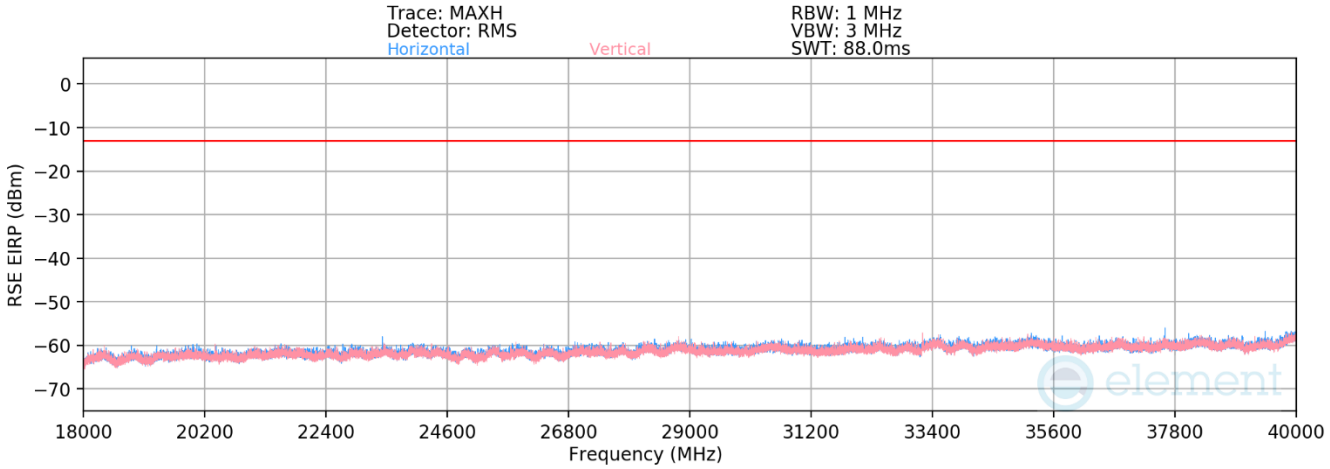
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	-	-	-77.76	6.67	35.91	-59.35	-13.00	-46.35
10515.0	V	234	219	-75.01	8.22	40.21	-55.04	-13.00	-42.04
14020.0	V	-	-	-81.98	13.12	38.14	-57.11	-13.00	-44.11
17525.0	H	-	-	-82.52	18.12	42.60	-52.66	-13.00	-39.66

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

NR Band n77 C Band



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



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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-78.39	6.60	35.22	-60.04	-13.00	-47.04
11250.0	V	-	-	-78.93	9.05	37.12	-58.13	-13.00	-45.13
15000.0	H	-	-	-82.79	15.02	39.23	-56.03	-13.00	-43.03

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-77.84	5.87	35.03	-60.22	-13.00	-47.22
11520.0	V	-	-	-79.14	10.19	38.05	-57.21	-13.00	-44.21
15360.0	V	-	-	-82.93	15.39	39.46	-55.80	-13.00	-42.80

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	-	-	-77.91	5.81	34.90	-60.36	-13.00	-47.36
11790.0	V	250	131	-77.43	10.71	40.28	-54.98	-13.00	-41.98
15720.0	V	-	-	-83.43	16.36	39.93	-55.33	-13.00	-42.33

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

7.7.4 Antenna 1a Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-78.12	6.78	35.66	-59.60	-13.00	-46.60
10485.0	H	-	-	-79.29	8.02	35.73	-59.53	-13.00	-46.53
13980.0	H	-	-	-82.16	13.56	38.40	-56.86	-13.00	-43.86

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-77.83	6.67	35.84	-59.42	-13.00	-46.42
10500.0	H	-	-	-79.34	8.22	35.87	-59.38	-13.00	-46.38
14000.0	H	-	-	-81.97	13.12	38.15	-57.11	-13.00	-44.11

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	-	-	-77.87	6.67	35.80	-59.46	-13.00	-46.46
10515.0	H	-	-	-79.59	8.22	35.63	-59.63	-13.00	-46.63
14020.0	V	-	-	-82.05	13.12	38.07	-57.19	-13.00	-44.19

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

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	-	-	-78.34	6.60	35.26	-60.00	-13.00	-47.00
11250.0	H	-	-	-80.04	9.38	36.34	-58.92	-13.00	-45.92
15000.0	V	-	-	-83.04	15.17	39.13	-56.13	-13.00	-43.13

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	-	-	-78.01	5.90	34.89	-60.37	-13.00	-47.37
11520.0	V	-	-	-80.32	10.19	36.87	-58.39	-13.00	-45.39
15360.0	V	-	-	-82.73	15.39	39.65	-55.60	-13.00	-42.60

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	V	-	-	-78.05	5.81	34.76	-60.50	-13.00	-47.50
11790.0	H	-	-	-80.00	10.71	37.71	-57.55	-13.00	-44.55
15720.0	H	-	-	-83.11	16.36	40.25	-55.01	-13.00	-42.01

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

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

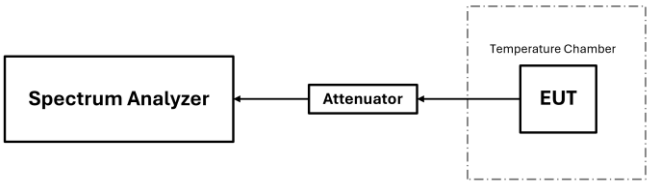


Figure 7-8. FR1 Test Instrument & Measurement Setup

Test Notes

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

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	3.45058133	-0.00058133
		- 20	3.45006862	-0.00006862
		- 10	3.45057309	-0.00057309
		0	3.45027566	-0.00027566
		+ 10	3.45043903	-0.00043903
		+ 20 (Ref)	3.45048552	-0.00048552
		+ 30	3.45001586	-0.00001586
		+ 40	3.45053257	-0.00053257
		+ 50	3.45005376	-0.00005376
Battery Endpoint	3.40	+ 20	3.45021629	-0.00021629

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	3.54931736	-0.00068264
		- 20	3.54987099	-0.00012901
		- 10	3.54991883	-0.00008117
		0	3.54931239	-0.00068761
		+ 10	3.54997953	-0.00002047
		+ 20 (Ref)	3.54921941	-0.00078059
		+ 30	3.54908849	-0.00091151
		+ 40	3.54956414	-0.00043586
		+ 50	3.54947102	-0.00052898
Battery Endpoint	3.40	+ 20	3.54916996	-0.00083004

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

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	3.70090457	-0.00090457
		- 20	3.70088322	-0.00088322
		- 10	3.70049260	-0.00049260
		0	3.70060610	-0.00060610
		+ 10	3.70064956	-0.00064956
		+ 20 (Ref)	3.70028572	-0.00028572
		+ 30	3.70050644	-0.00050644
		+ 40	3.70046141	-0.00046141
		+ 50	3.70095632	-0.00095632
Battery Endpoint	3.40	+ 20	3.70042157	-0.00042157

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	3.97913641	-0.00086359
		- 20	3.97977730	-0.00022270
		- 10	3.97931317	-0.00068683
		0	3.97953591	-0.00046409
		+ 10	3.97922172	-0.00077828
		+ 20 (Ref)	3.97969471	-0.00030529
		+ 30	3.97915772	-0.00084228
		+ 40	3.97971789	-0.00028211
		+ 50	3.97913167	-0.00086833
Battery Endpoint	3.40	+ 20	3.97995610	-0.00004390

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

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device FCC ID: BCGA3355** complies with all the requirements of Part 27 of the FCC rules.