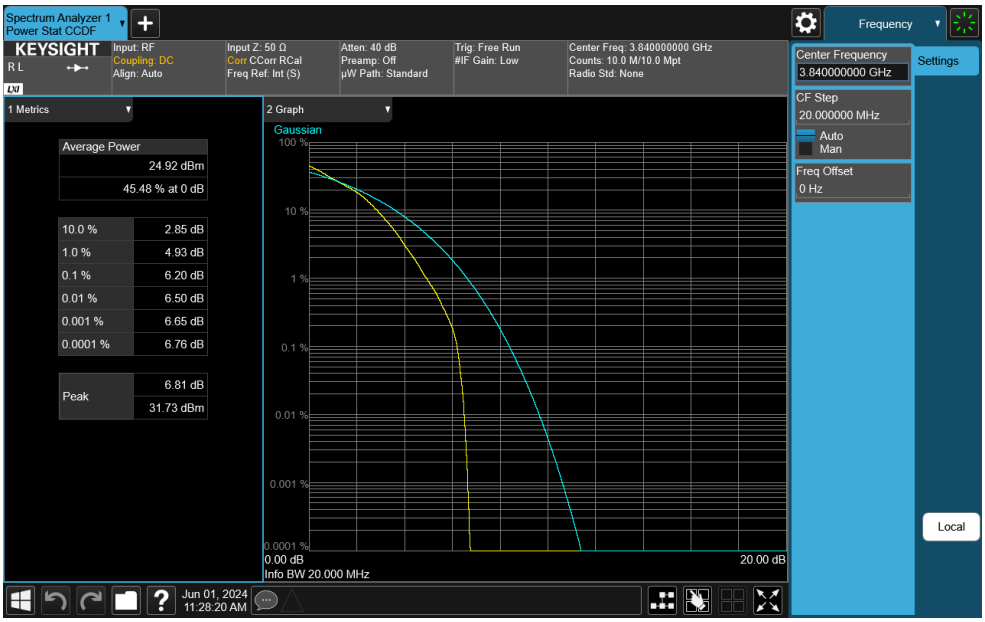
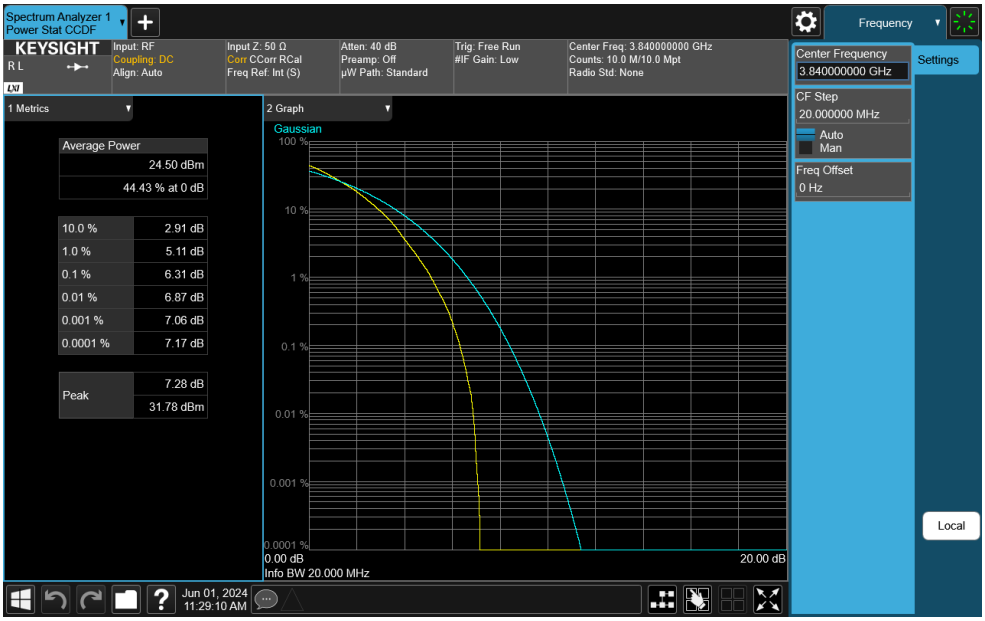
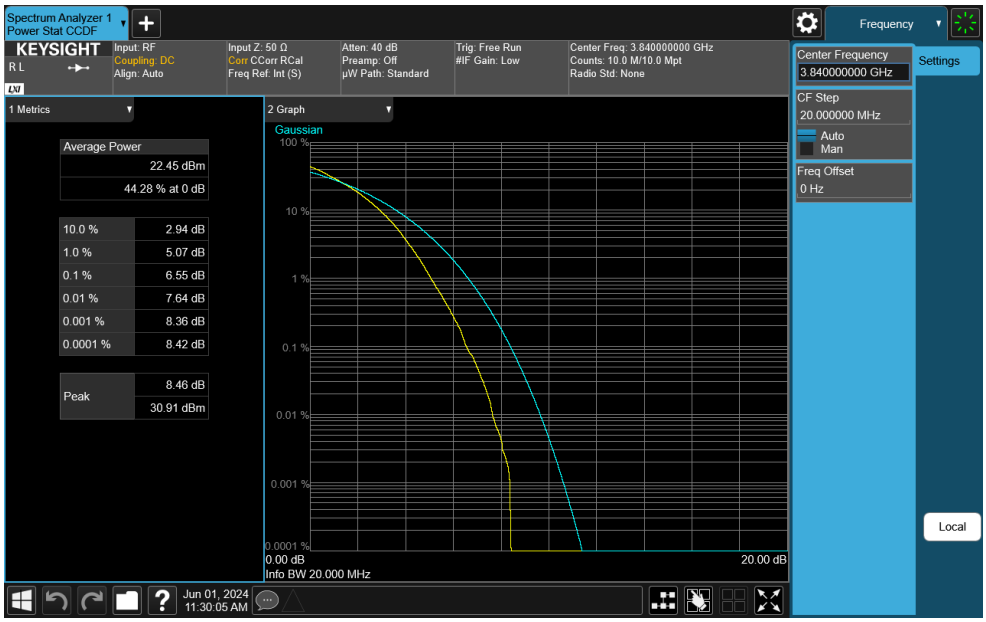


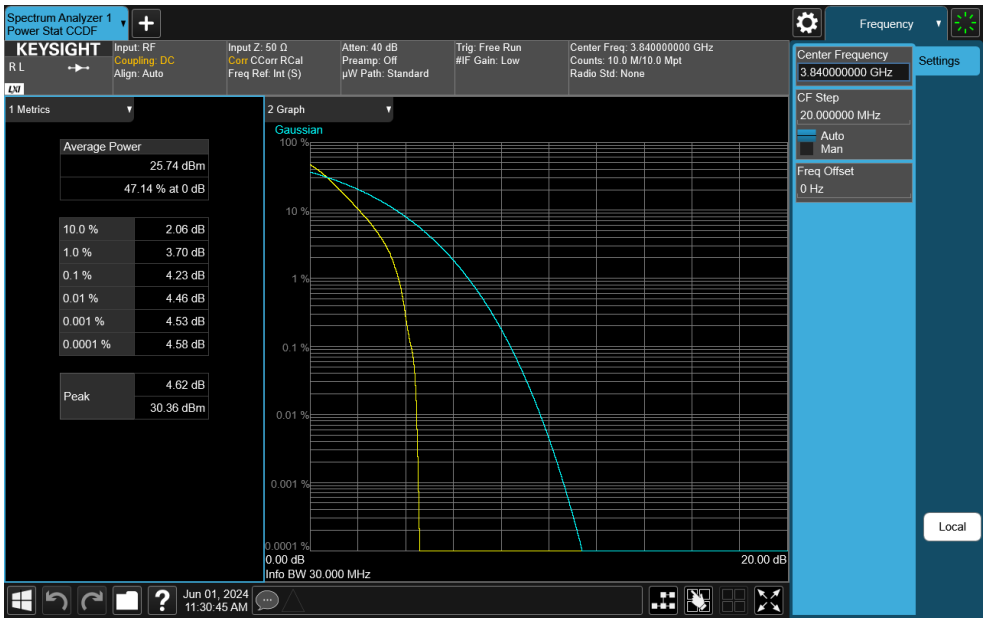
Plot 7-372. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 16-QAM - Full RB)



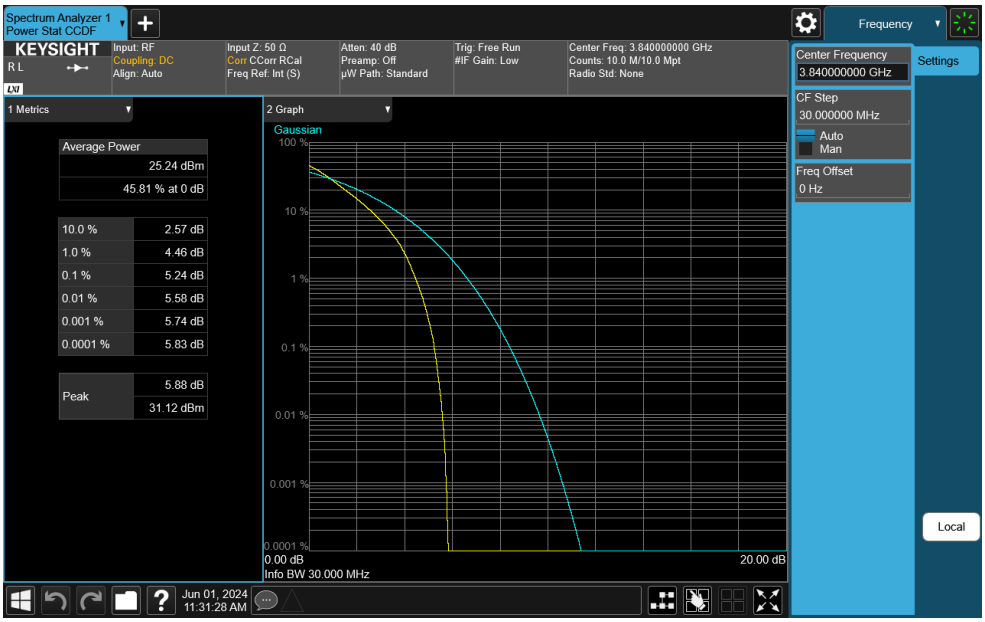
Plot 7-373. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 64-QAM - Full RB)



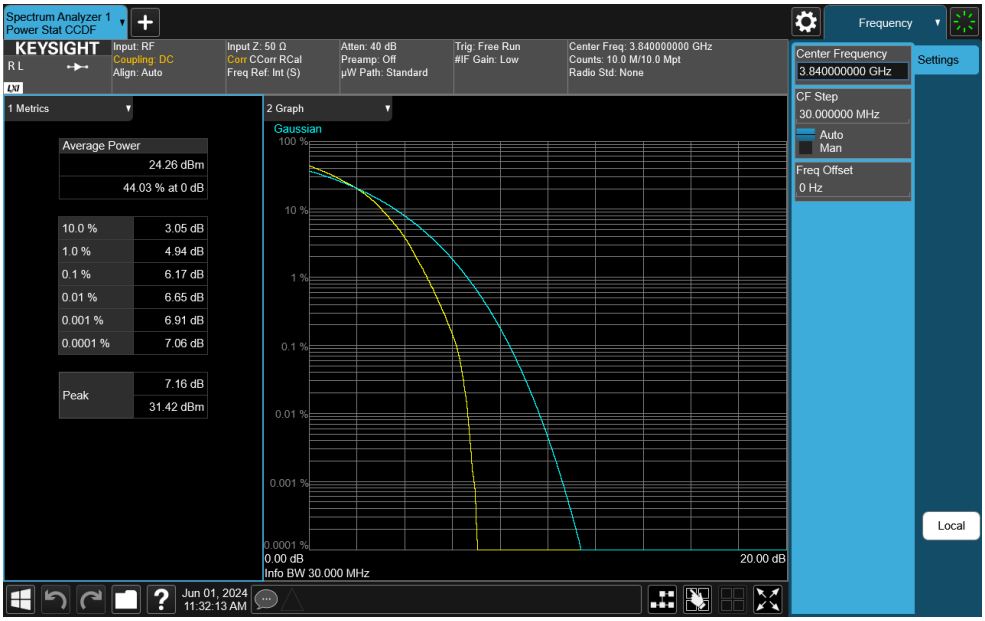
Plot 7-374. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 256-QAM - Full RB)



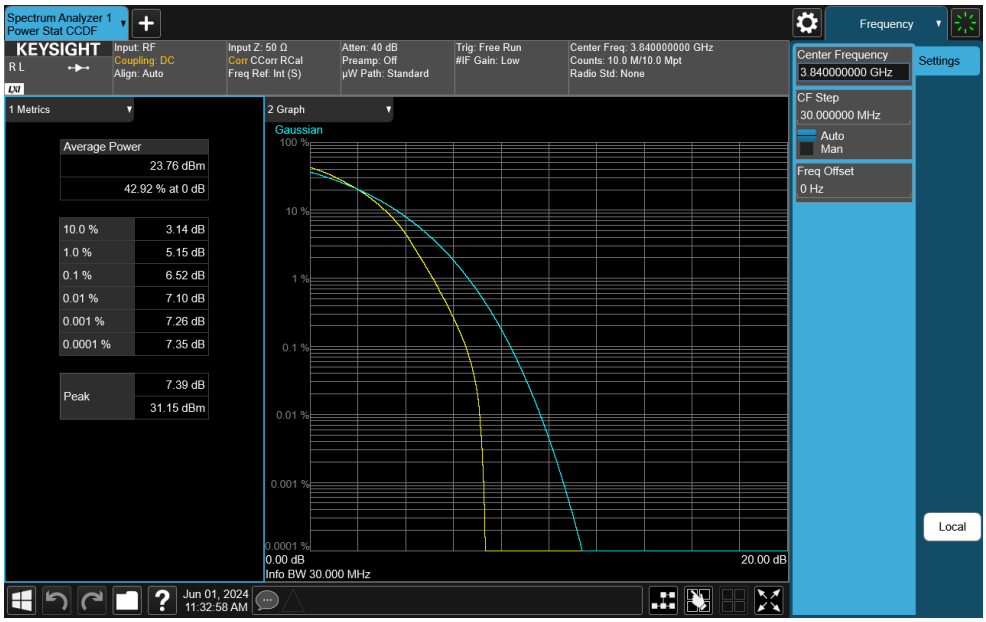
Plot 7-375. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM π/2 BPSK - Full RB)



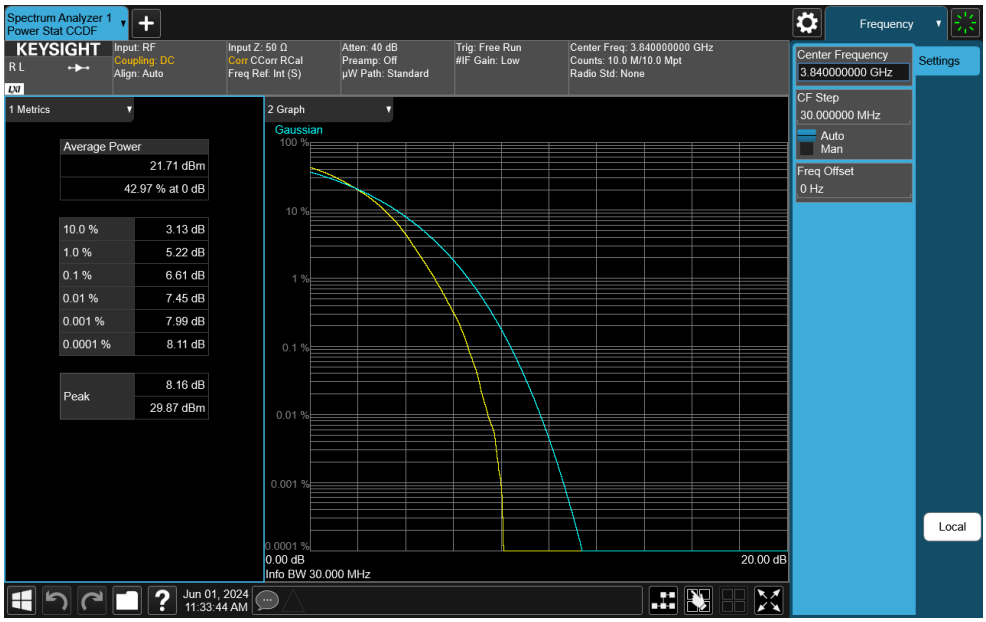
Plot 7-376. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM QPSK - Full RB)



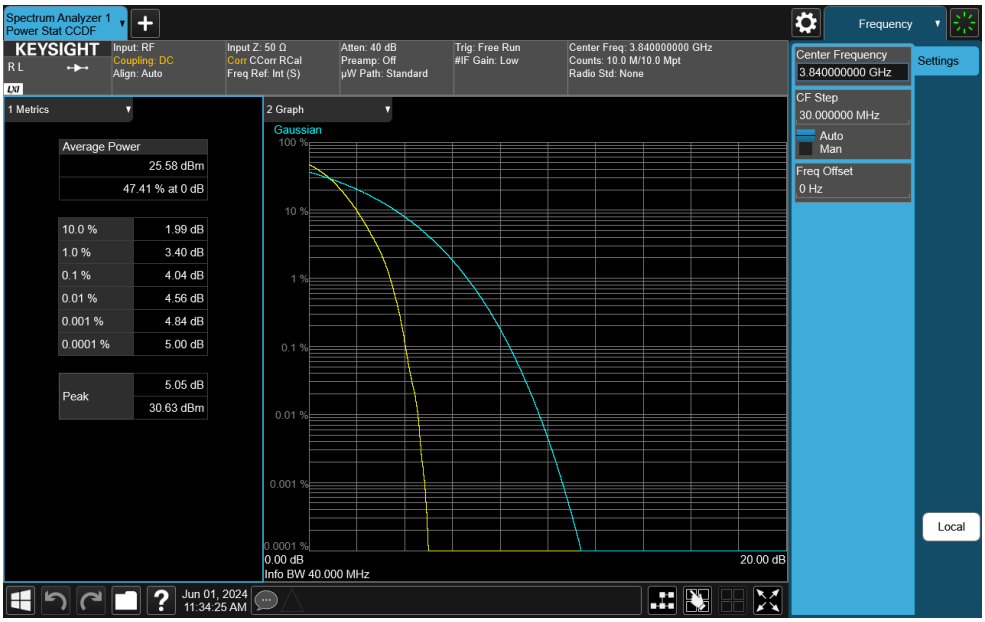
Plot 7-377. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 16-QAM - Full RB)



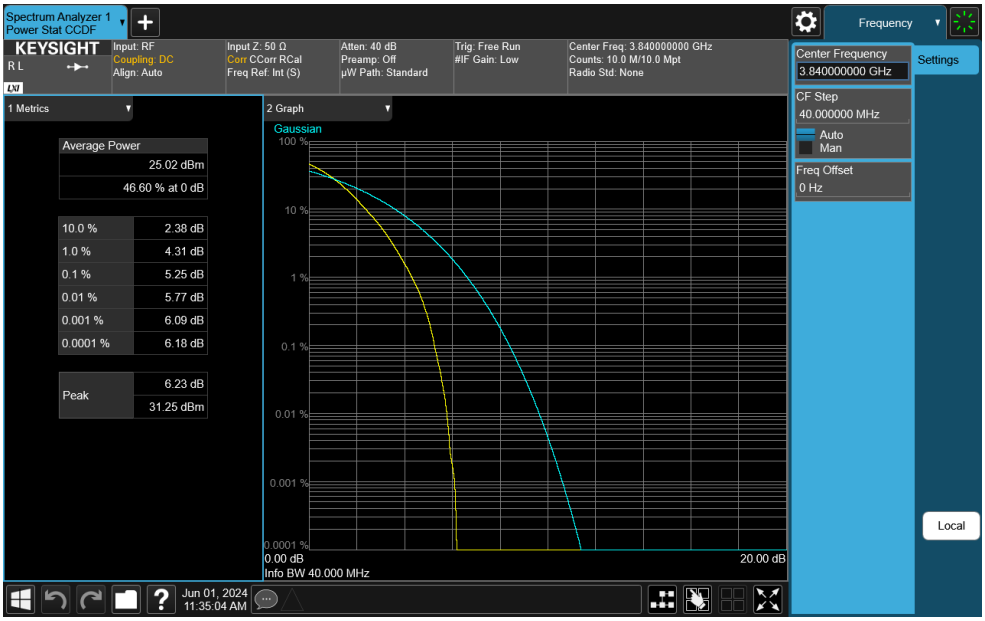
Plot 7-378. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 64-QAM - Full RB)



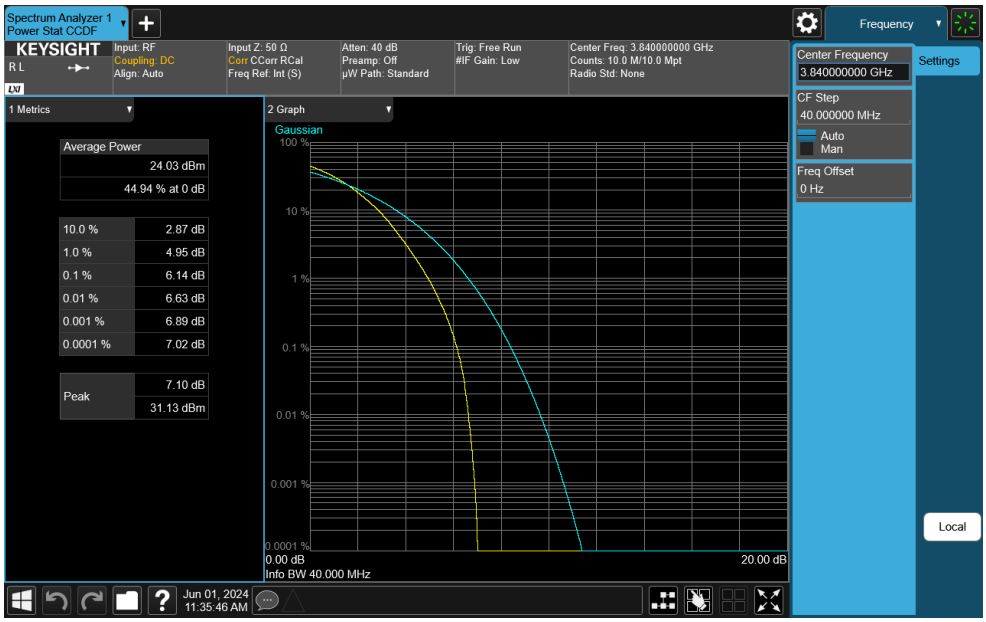
Plot 7-379. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 256-QAM - Full RB)



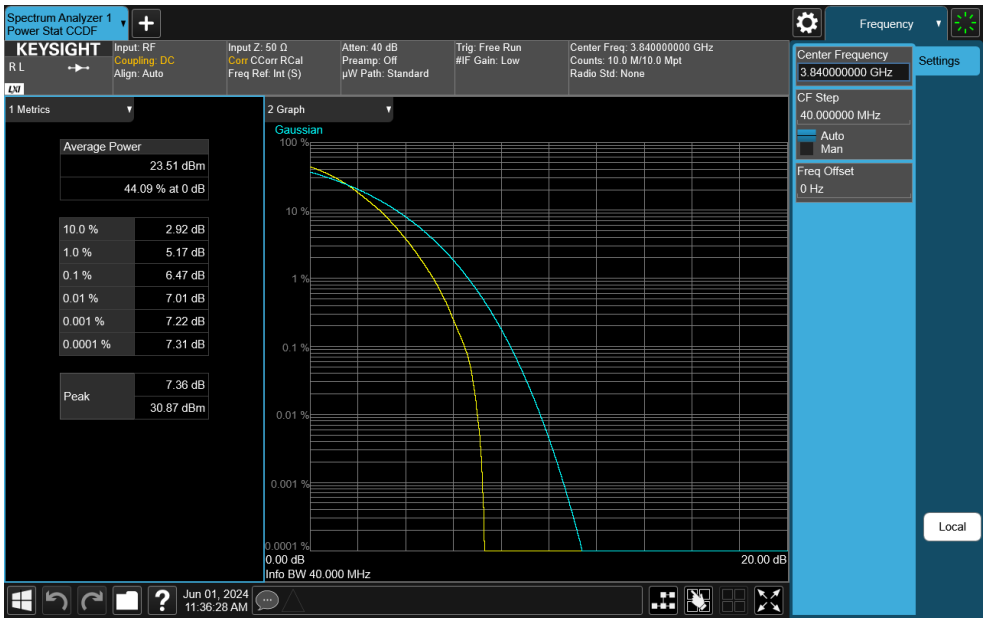
Plot 7-380. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM π/2 BPSK - Full RB)



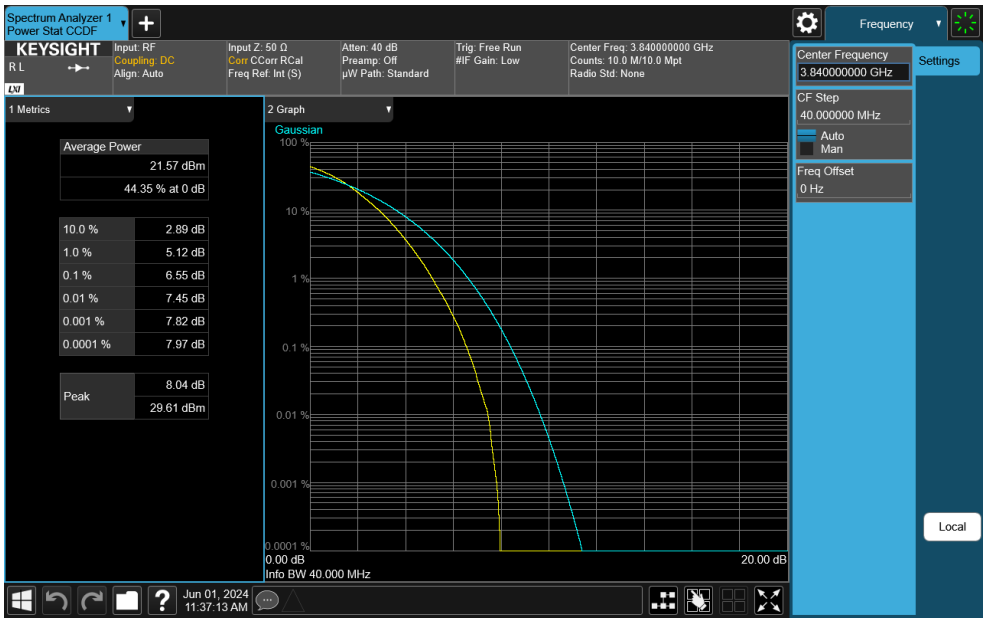
Plot 7-381. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK - Full RB)



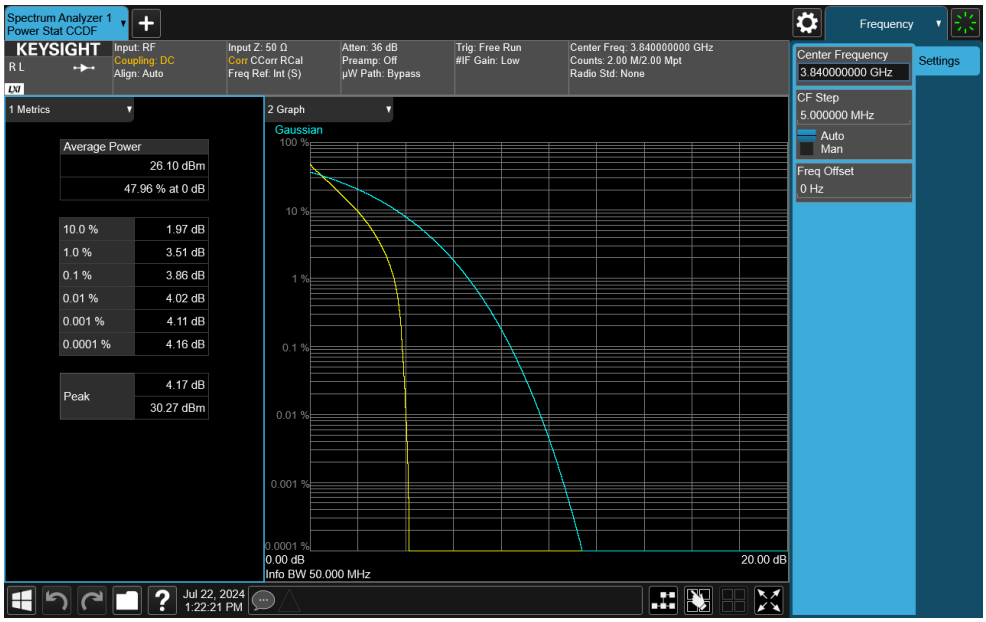
Plot 7-382. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 16-QAM - Full RB)



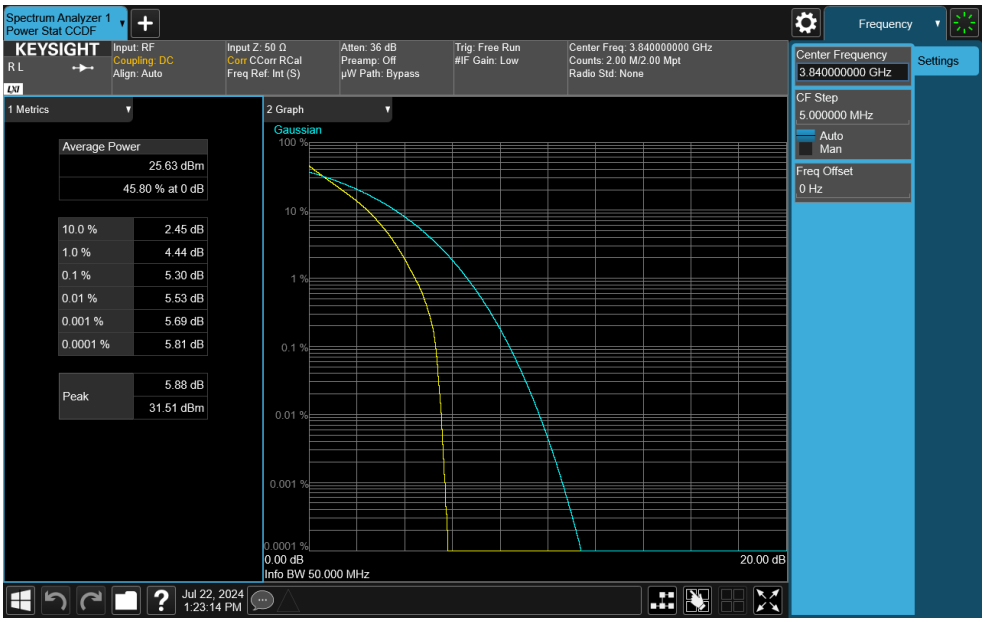
Plot 7-383. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 64-QAM - Full RB)



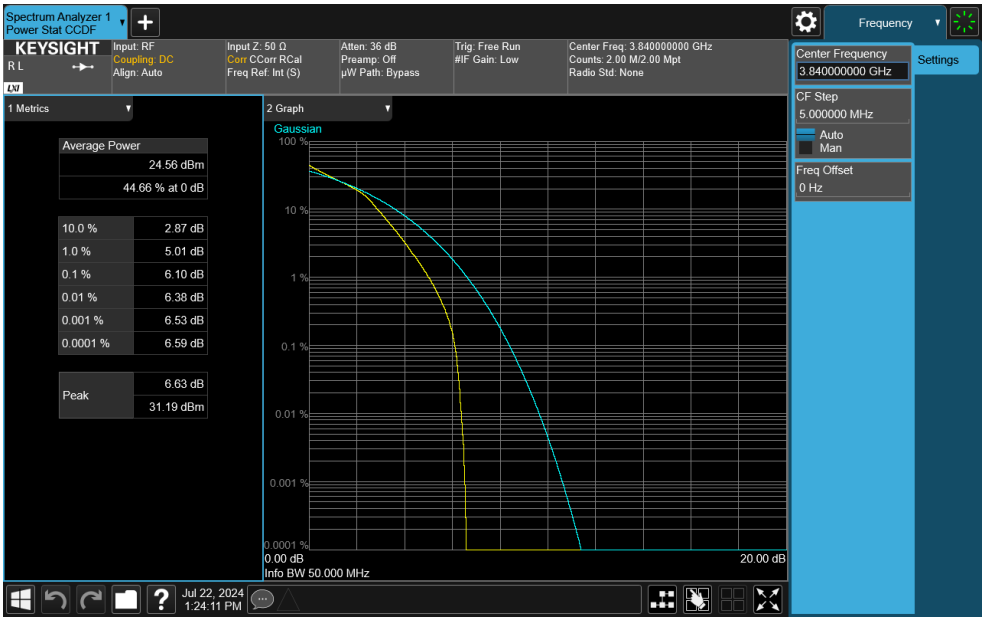
Plot 7-384. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 256-QAM - Full RB)



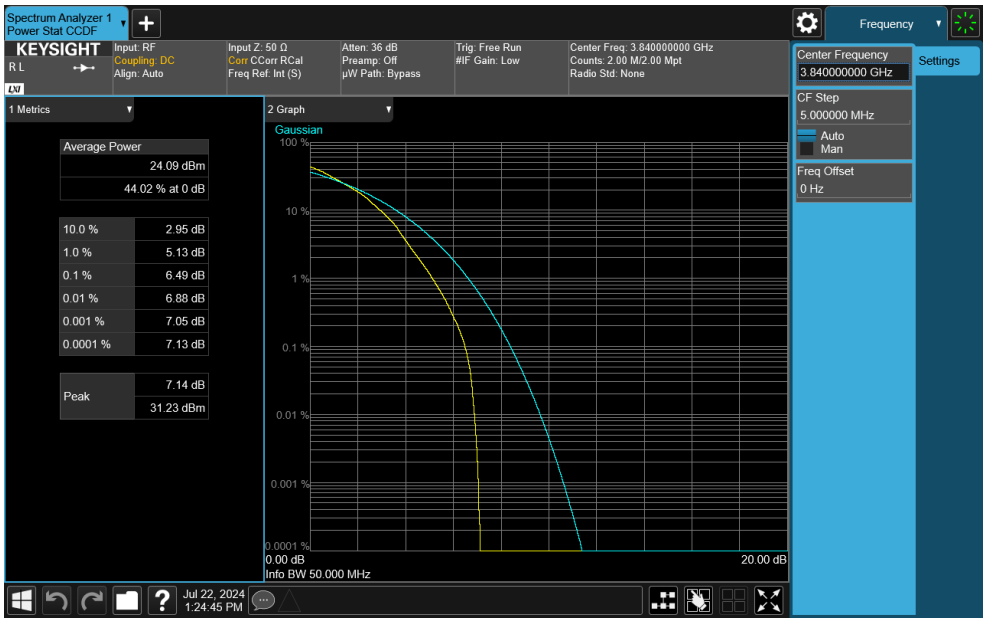
Plot 7-385. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM π/2 BPSK - Full RB)



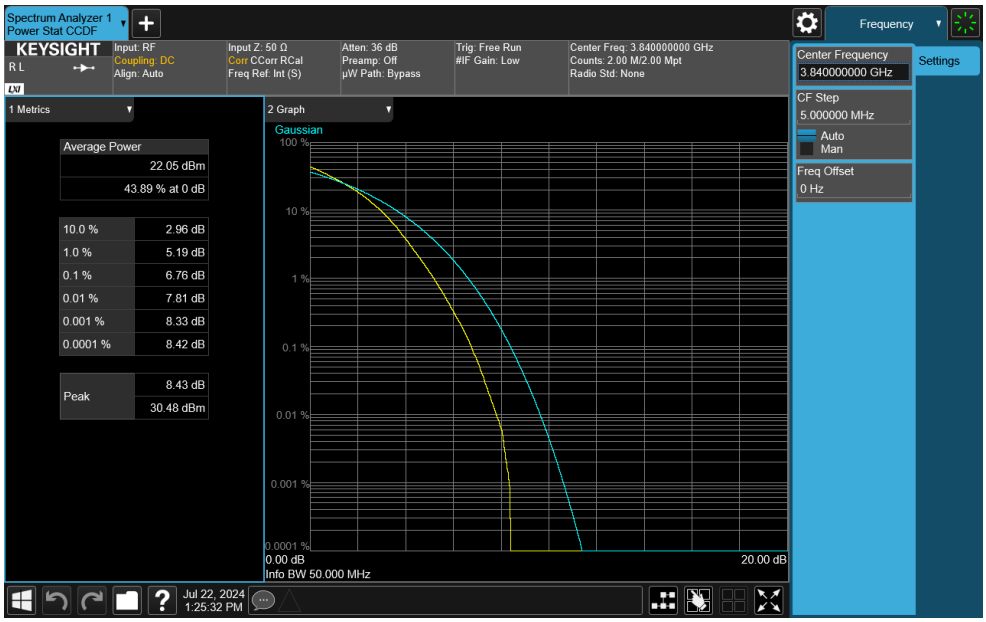
Plot 7-386. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK - Full RB)



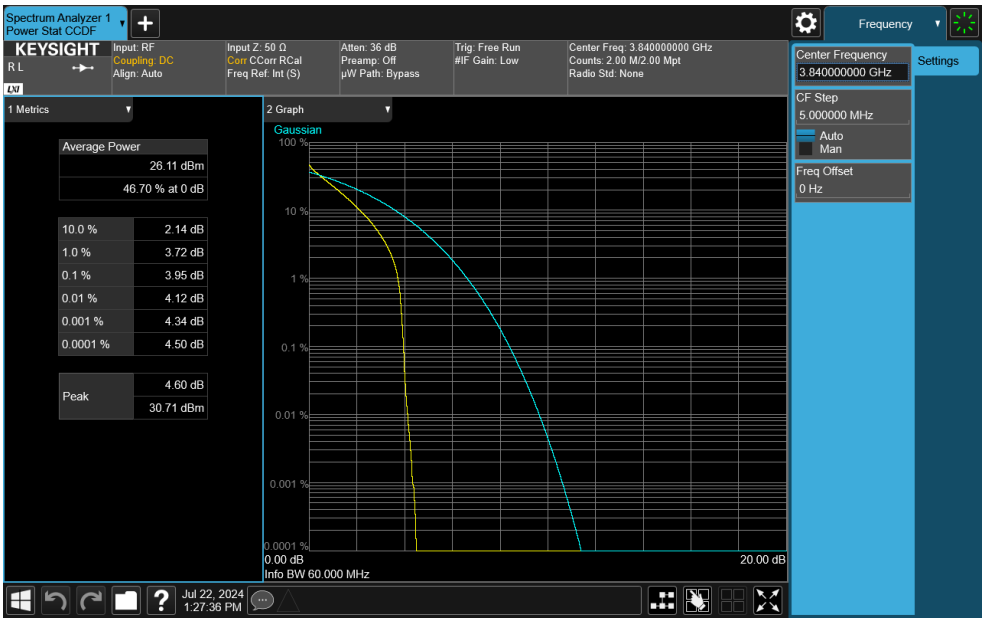
Plot 7-387. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 16-QAM - Full RB)



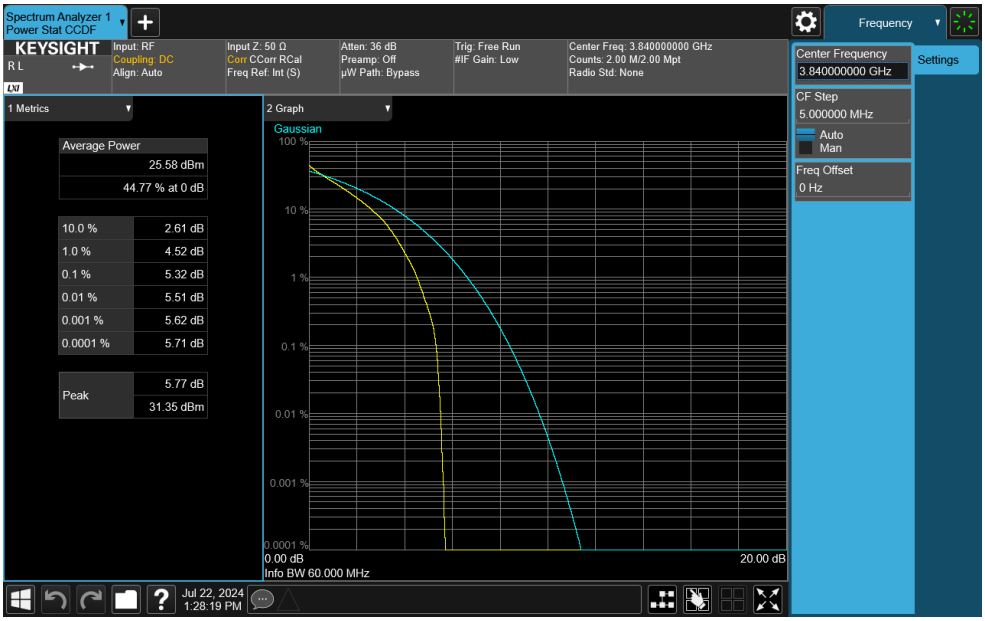
Plot 7-388. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 64-QAM - Full RB)



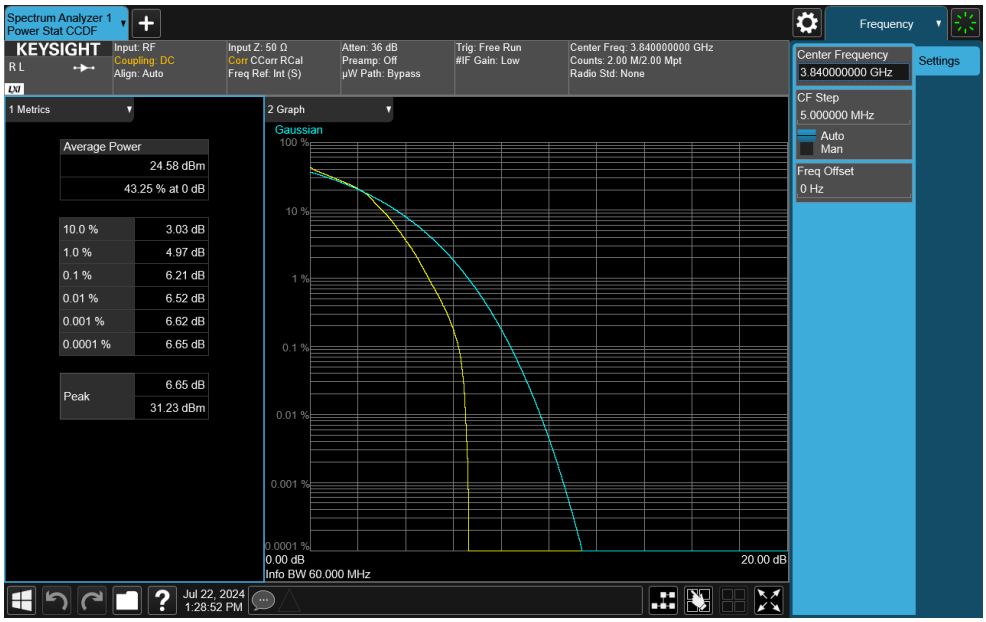
Plot 7-389. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 256-QAM - Full RB)



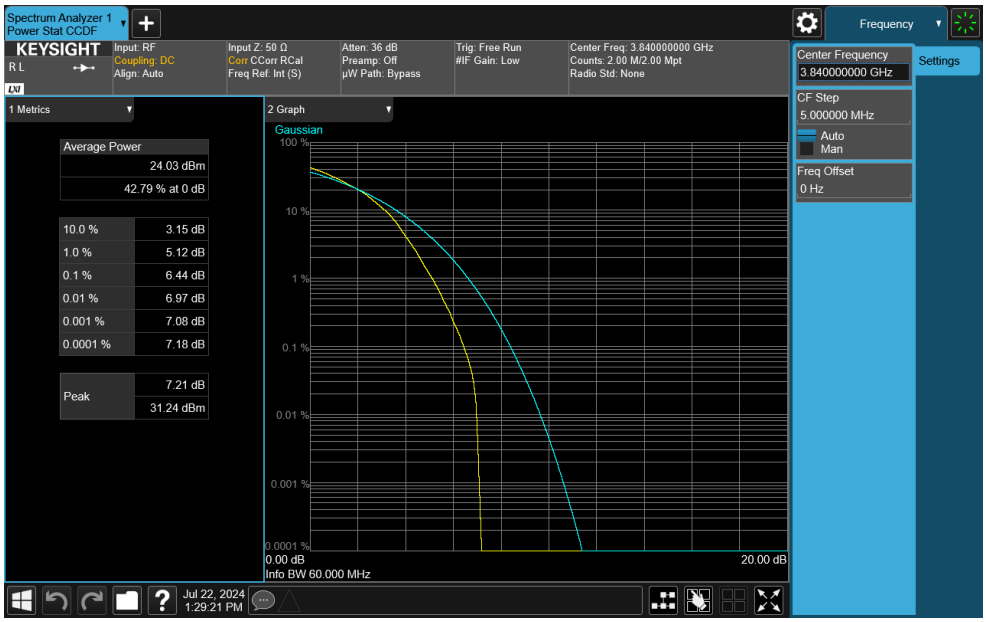
Plot 7-390. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM π/2 BPSK - Full RB)



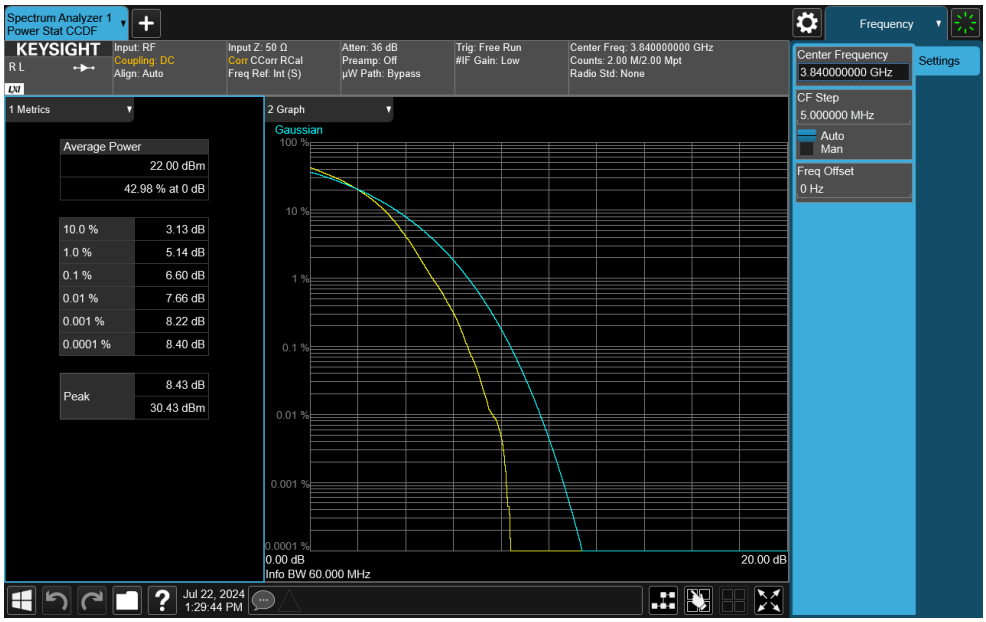
Plot 7-391. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK - Full RB)



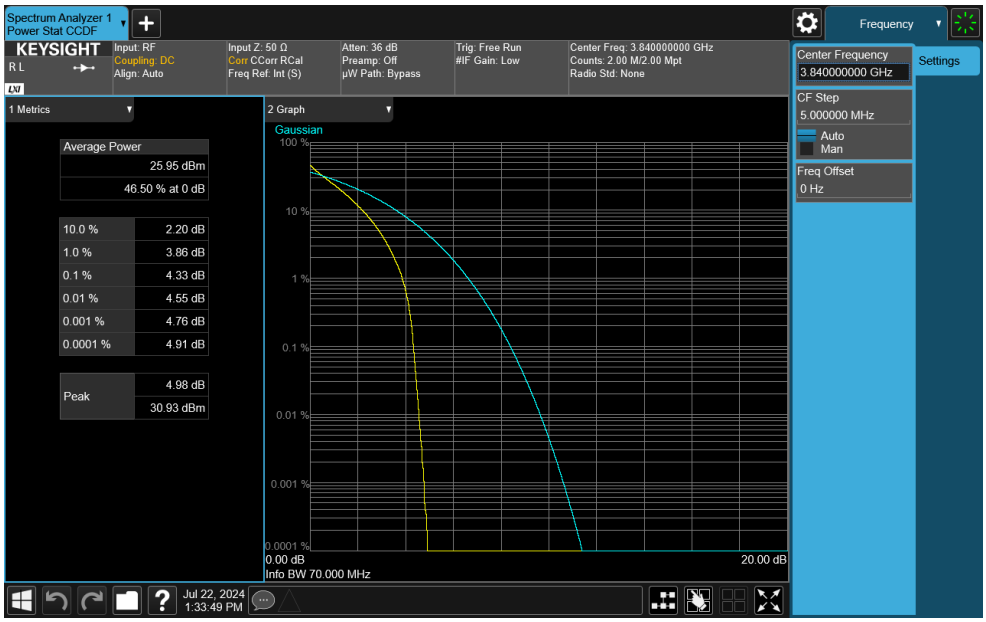
Plot 7-392. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 16-QAM - Full RB)



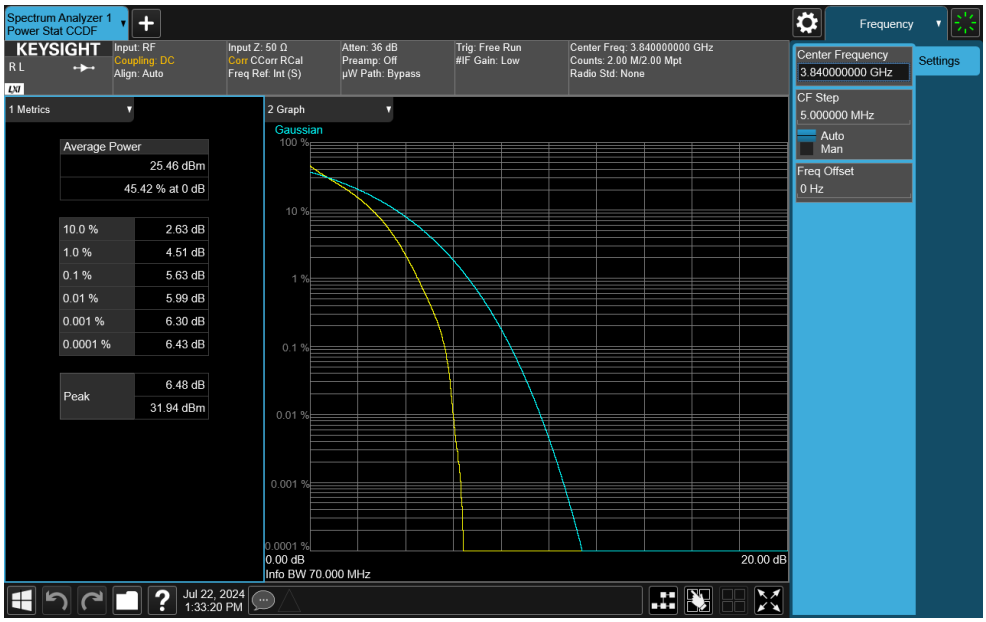
Plot 7-393. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 64-QAM - Full RB)



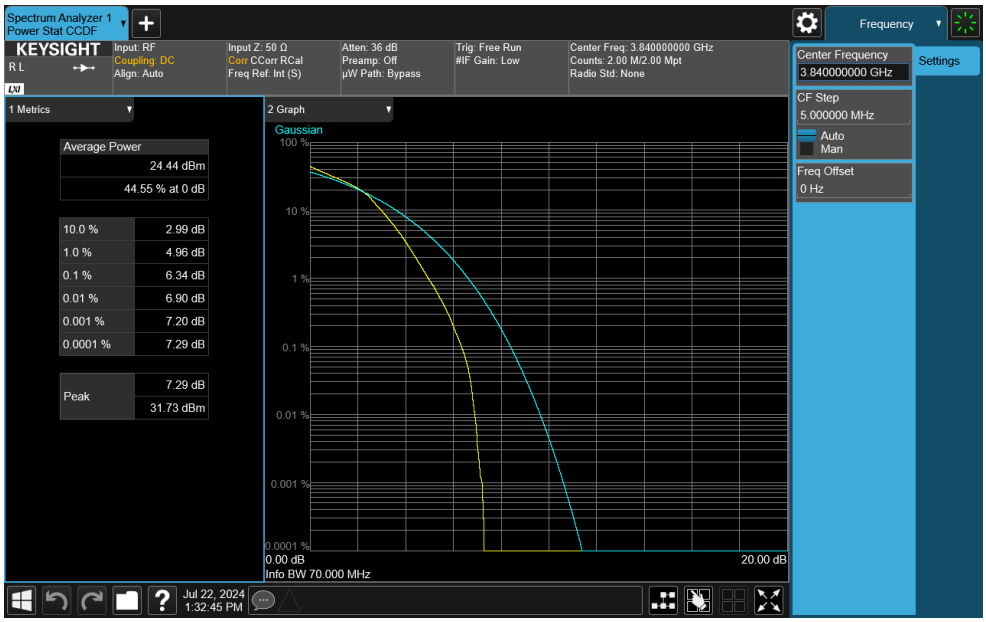
Plot 7-394. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 256-QAM - Full RB)



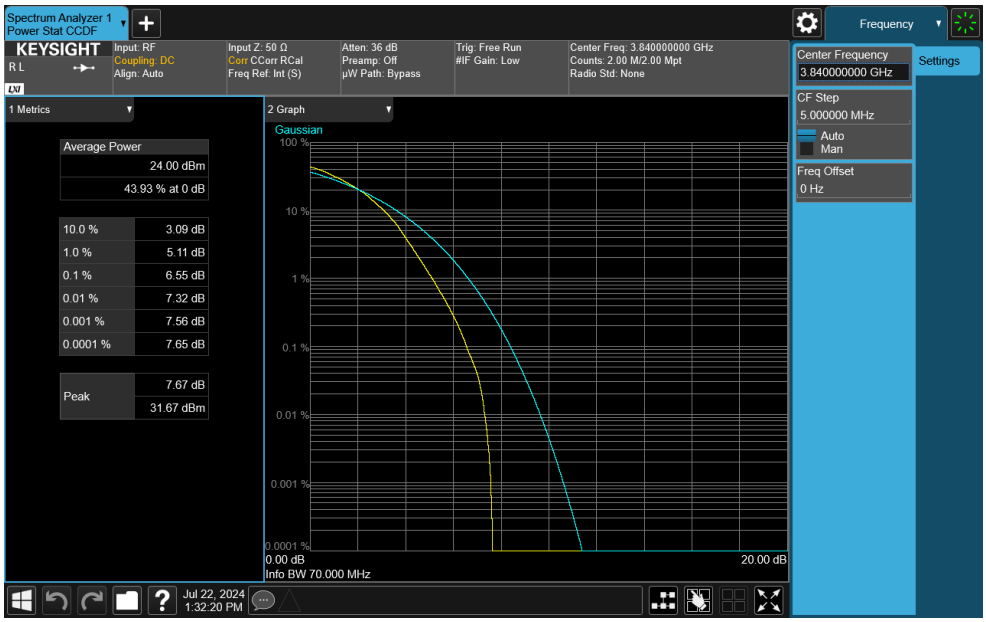
Plot 7-395. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM π/2 BPSK - Full RB)



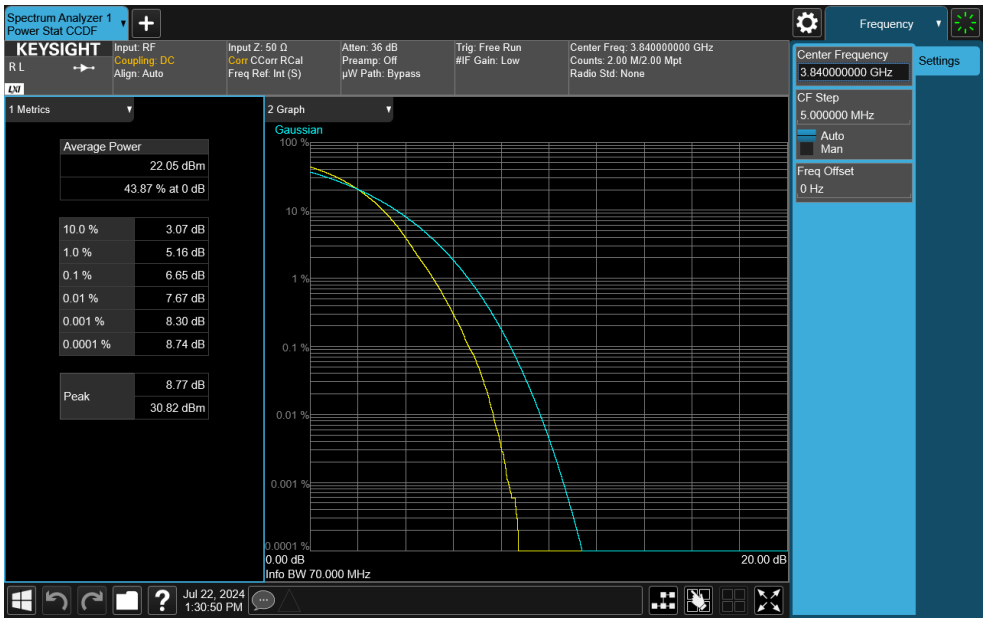
Plot 7-396. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK - Full RB)



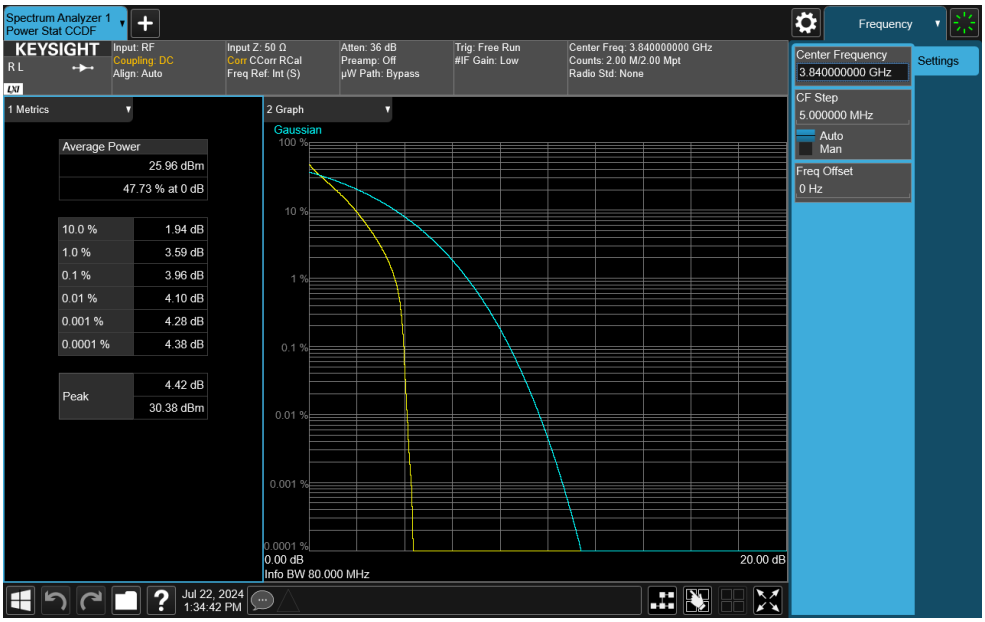
Plot 7-397. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 16-QAM - Full RB)



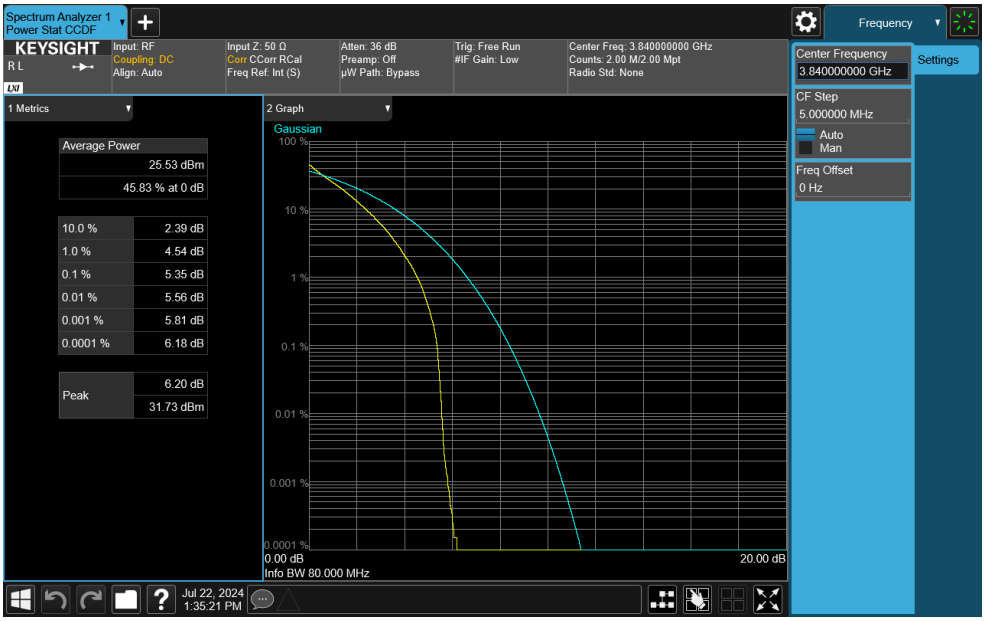
Plot 7-398. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 64-QAM - Full RB)



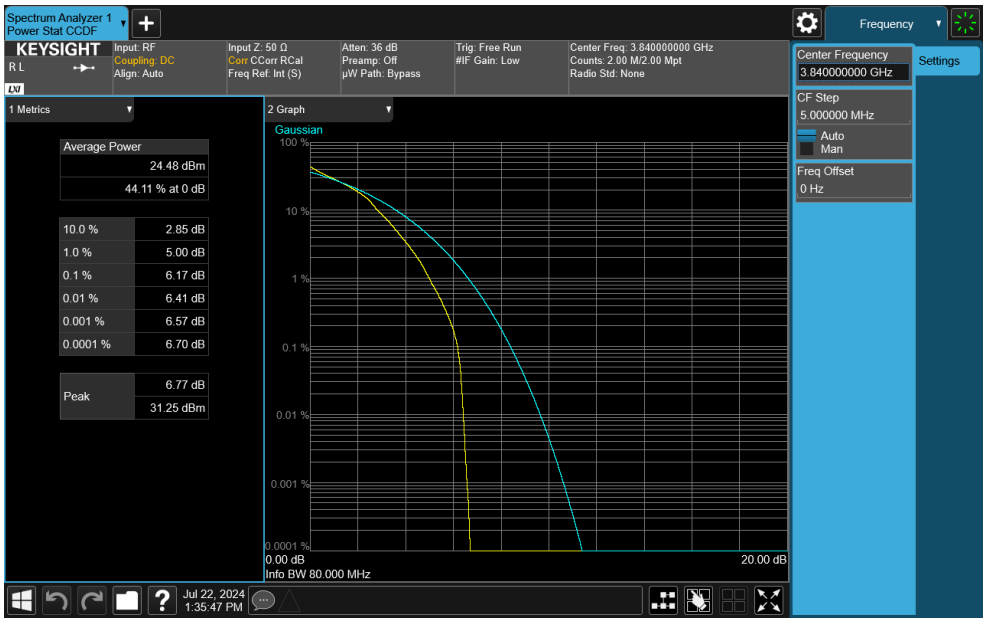
Plot 7-399. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 256-QAM - Full RB)



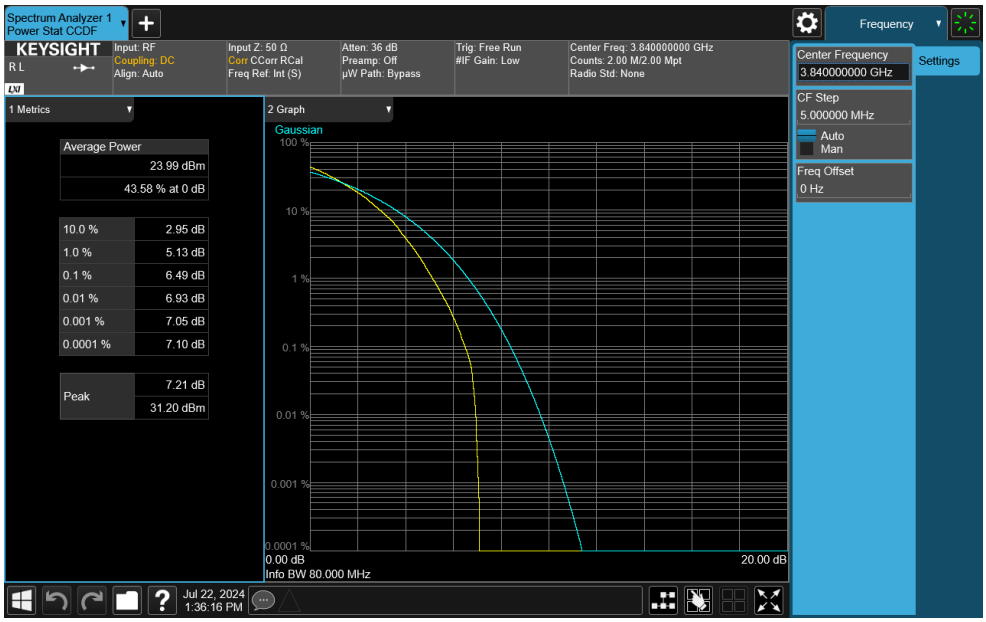
Plot 7-400. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM π/2 BPSK - Full RB)



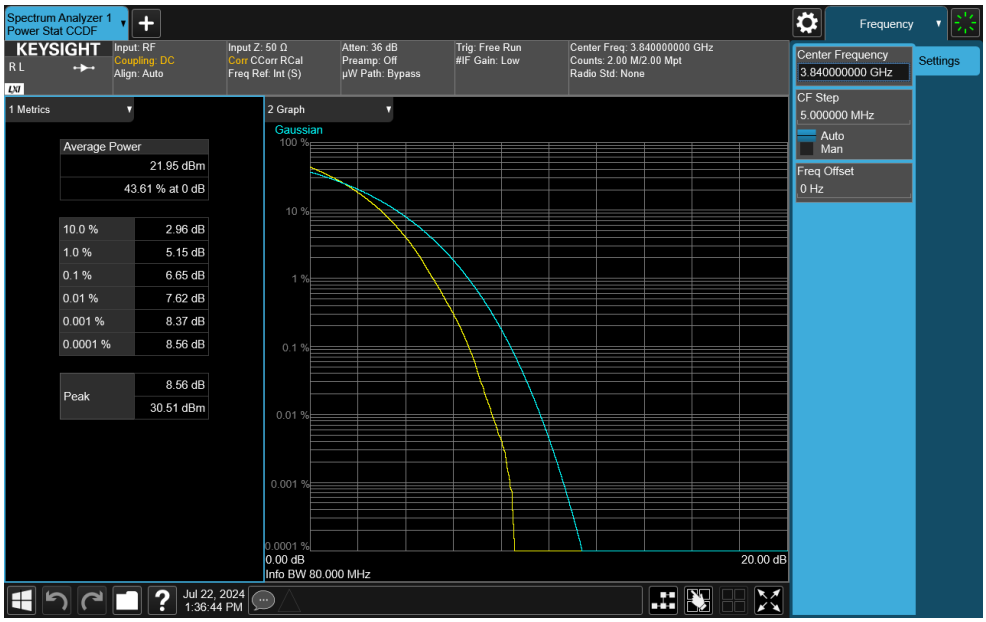
Plot 7-401. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK - Full RB)



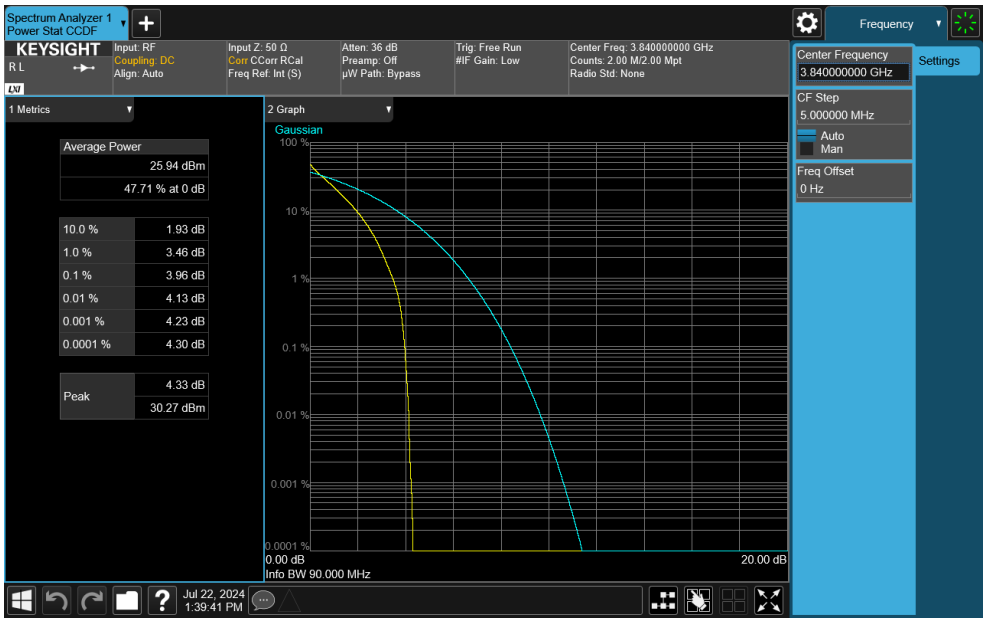
Plot 7-402. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 16-QAM - Full RB)



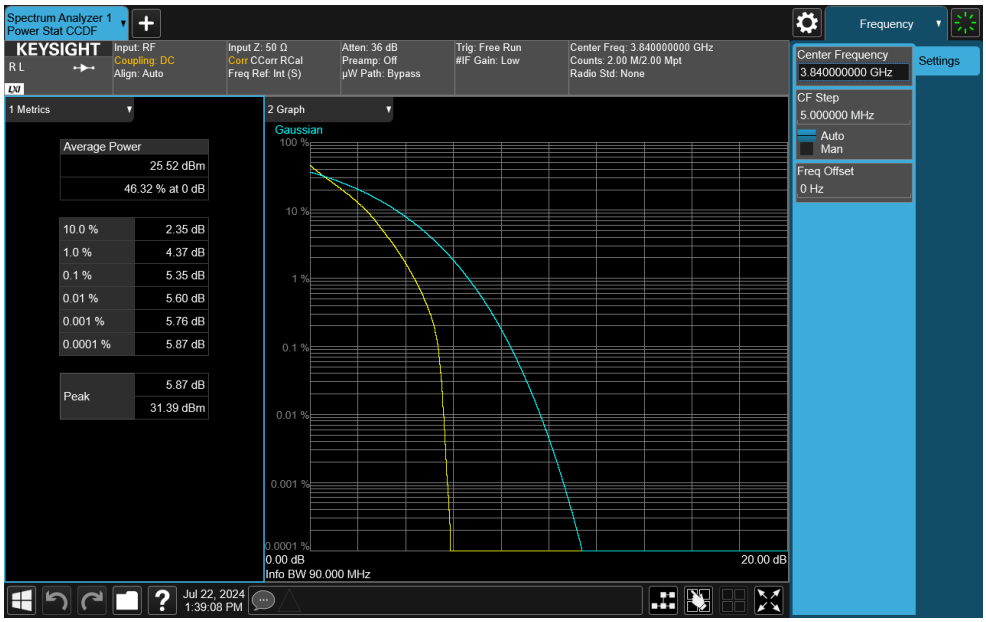
Plot 7-403. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 64-QAM - Full RB)



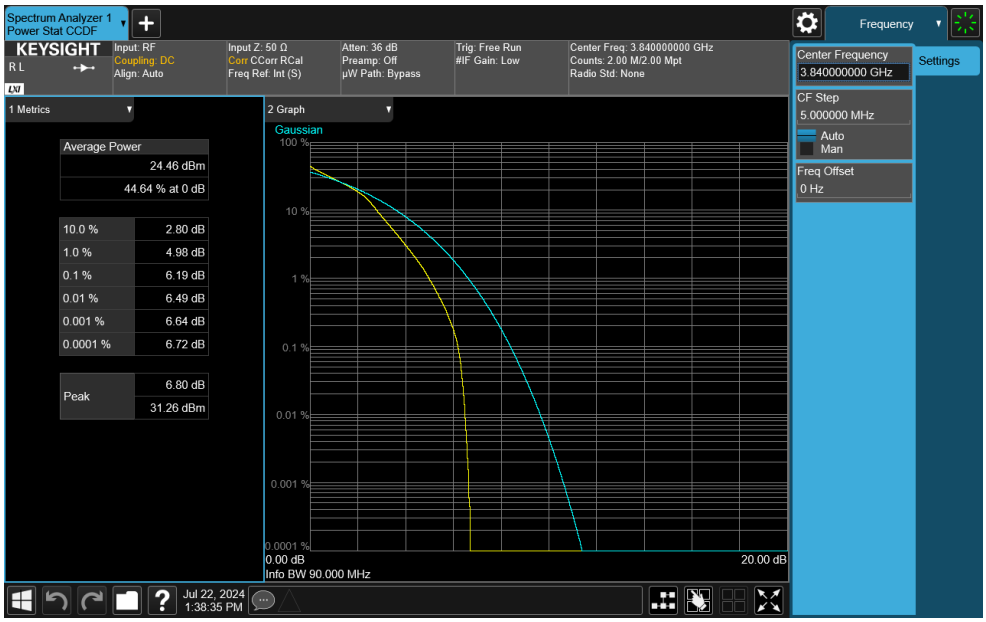
Plot 7-404. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)



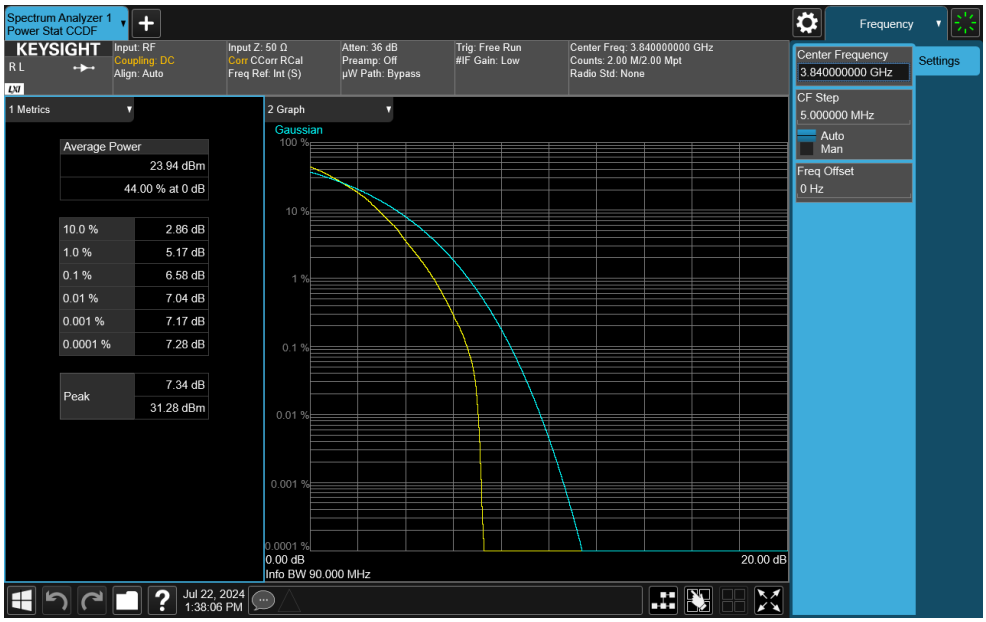
Plot 7-405. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM π/2 BPSK - Full RB)



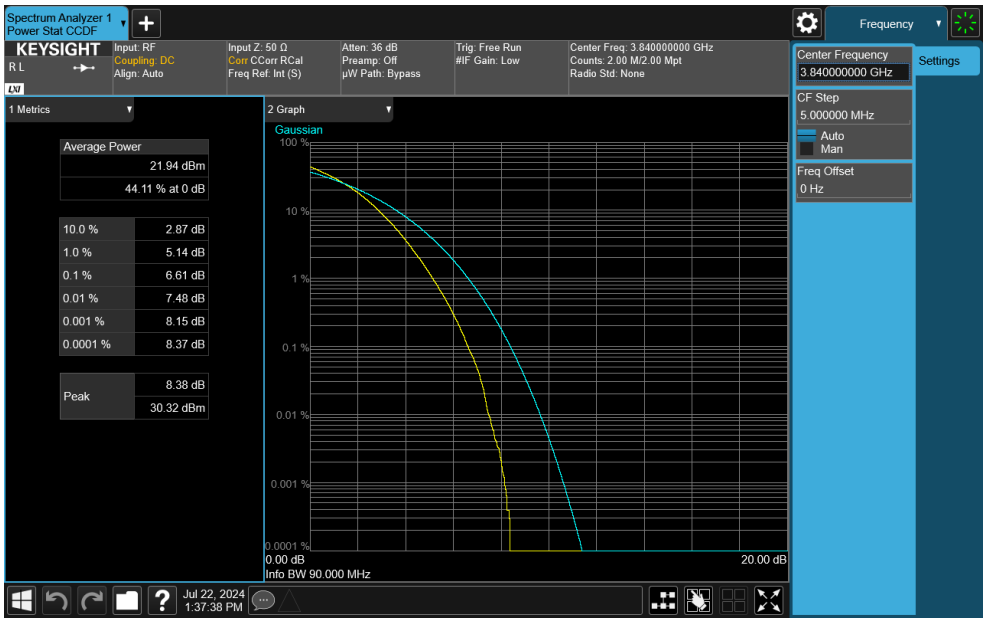
Plot 7-406. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK - Full RB)



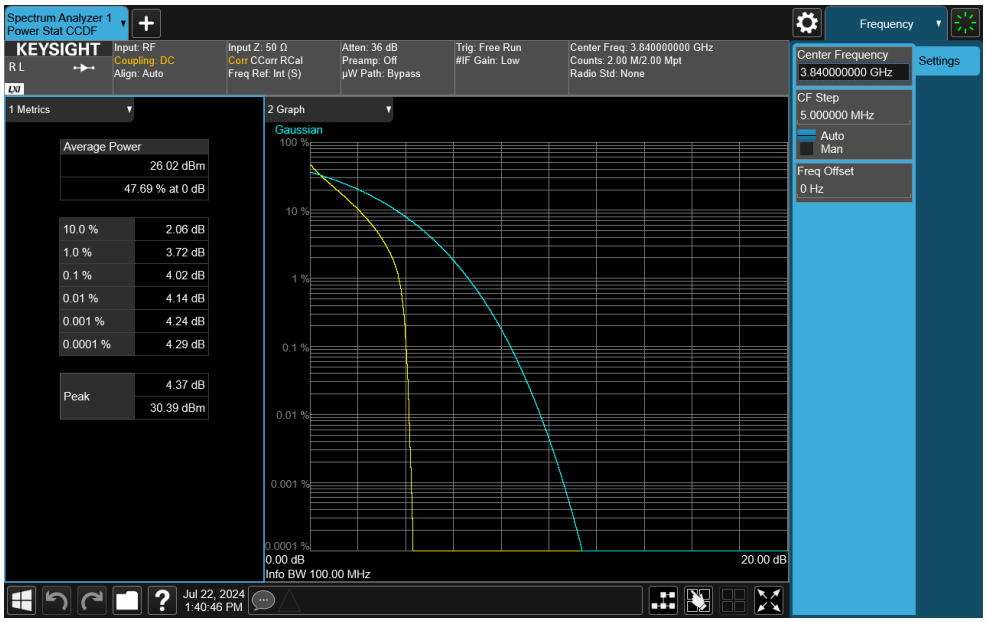
Plot 7-407. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 16-QAM - Full RB)



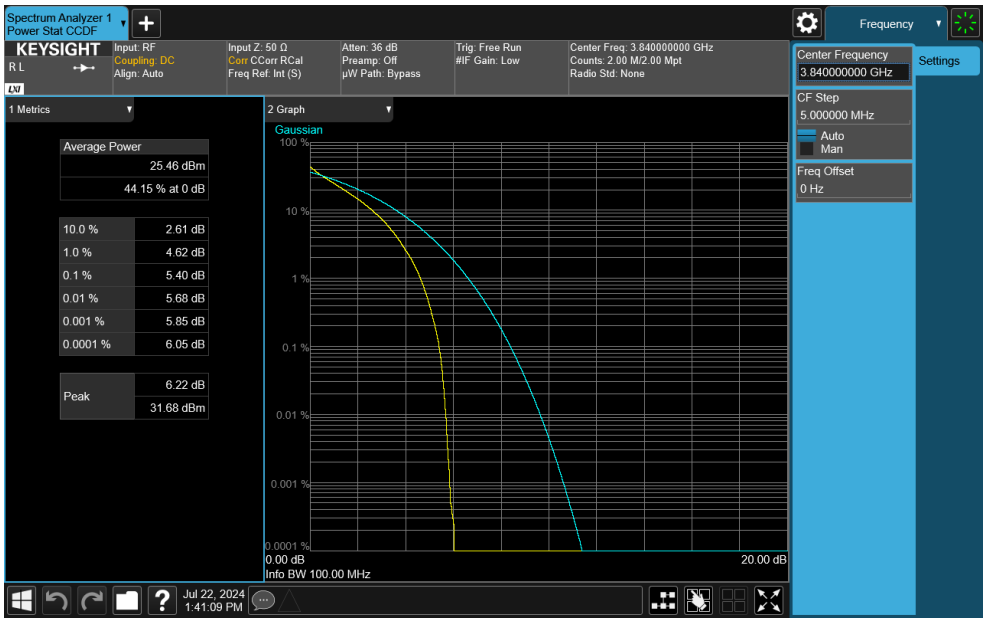
Plot 7-408. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)



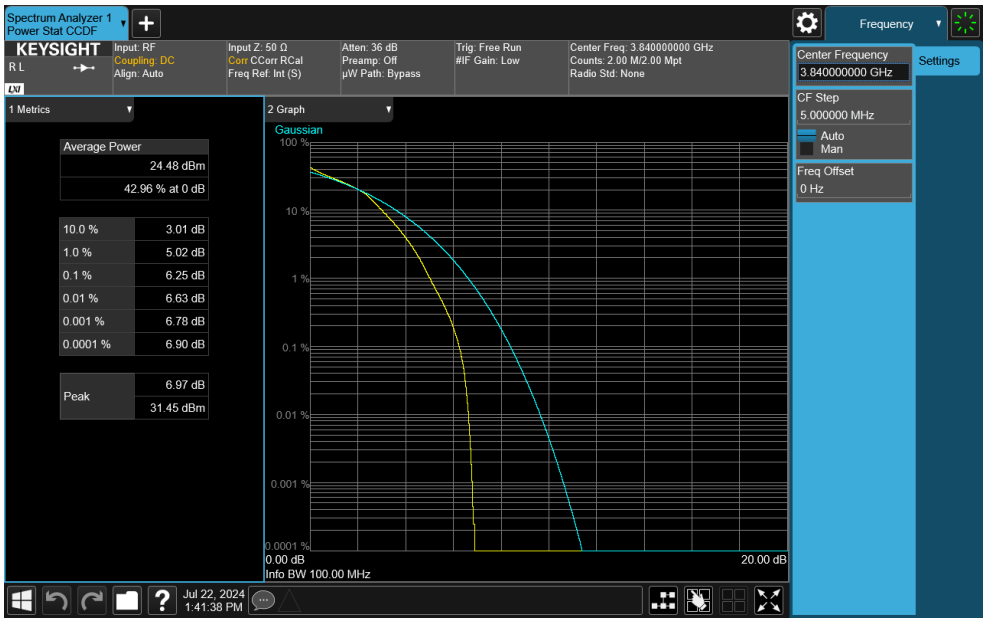
Plot 7-409. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)



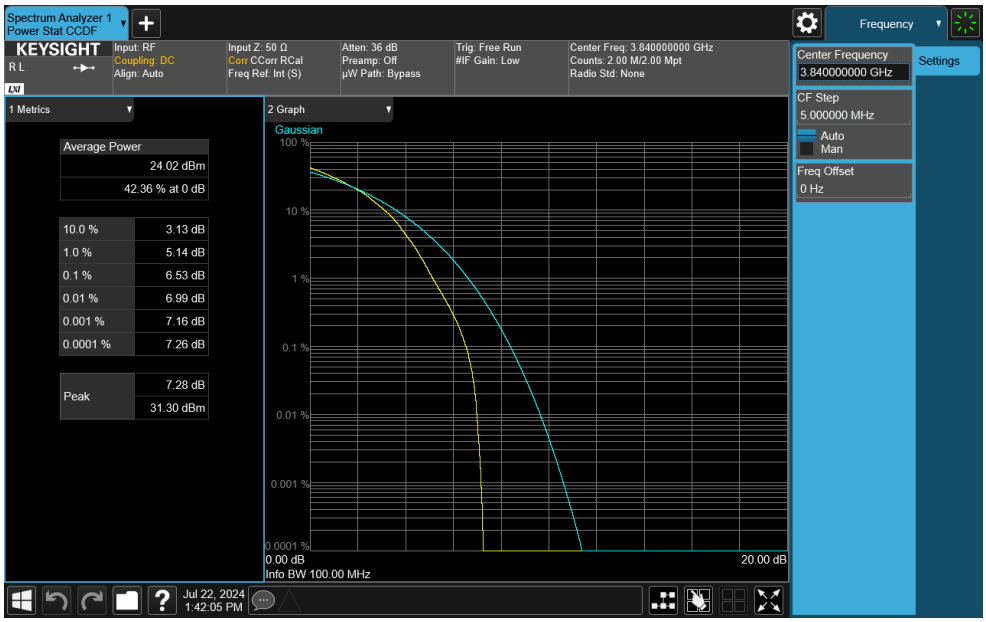
Plot 7-410. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM π/2 BPSK - Full RB)



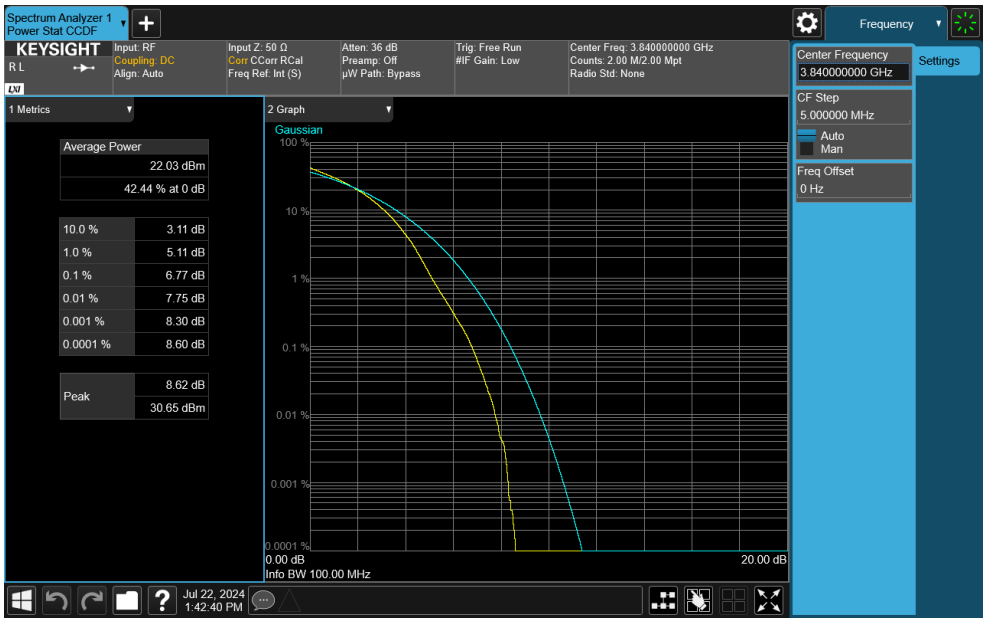
Plot 7-411. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - Full RB)



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.

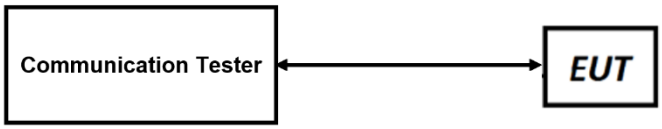


Figure 7-9. LTE EIRP Measurement Setup

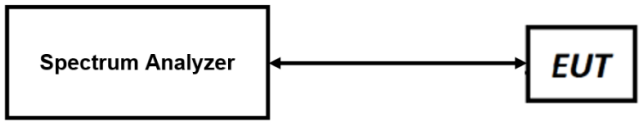


Figure 7-10. FR1 Test Instrument & Measurement Setup

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 3a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	2.80	1 / 12	26.52	**29.32**	0.855	30.00	-0.68
		3500.01	2.80	1 / 12	26.48	29.28	0.847	30.00	-0.72
		3544.98	2.80	1 / 1	26.59	29.39	0.869	30.00	-0.61
	QPSK	3455.01	2.80	1 / 12	26.54	29.34	0.859	30.00	-0.66
		3500.01	2.80	1 / 1	26.59	29.39	0.869	30.00	-0.61
		3544.98	2.80	1 / 22	26.70	**29.50**	0.891	30.00	-0.50
	16-QAM	3500.01	2.80	1 / 12	25.69	28.49	0.706	30.00	-1.51
	64-QAM	3455.01	2.80	1 / 12	24.69	27.49	0.561	30.00	-2.51
	256-QAM	3544.98	2.80	1 / 22	21.74	24.54	0.284	30.00	-5.46
15 MHz	π/2 BPSK	3457.50	2.80	1 / 1	26.52	29.32	0.855	30.00	-0.68
		3500.01	2.80	1 / 18	26.55	29.35	0.861	30.00	-0.65
		3542.49	2.80	1 / 36	26.57	29.37	0.865	30.00	-0.63
	QPSK	3457.50	2.80	1 / 1	26.63	29.43	0.877	30.00	-0.57
		3500.01	2.80	1 / 36	26.60	29.40	0.871	30.00	-0.60
		3542.49	2.80	1 / 18	26.70	**29.50**	0.891	30.00	-0.50
	16-QAM	3457.50	2.80	1 / 1	25.59	28.39	0.690	30.00	-1.61
	64-QAM	3542.49	2.80	1 / 36	24.71	27.51	0.564	30.00	-2.49
	256-QAM	3457.50	2.80	1 / 1	21.78	24.58	0.287	30.00	-5.42
20 MHz	π/2 BPSK	3460.02	2.80	1 / 49	26.65	29.45	0.881	30.00	-0.55
		3500.01	2.80	1 / 1	26.69	29.49	0.889	30.00	-0.51
		3540.00	2.80	1 / 49	26.70	**29.50**	0.891	30.00	-0.50
	QPSK	3460.02	2.80	1 / 49	26.40	29.20	0.832	30.00	-0.80
		3500.01	2.80	1 / 25	26.44	29.24	0.839	30.00	-0.76
		3540.00	2.80	1 / 49	26.68	29.48	0.887	30.00	-0.52
	16-QAM	3540.00	2.80	1 / 1	25.71	28.51	0.710	30.00	-1.49
	64-QAM	3500.01	2.80	1 / 1	24.60	27.40	0.550	30.00	-2.60
	256-QAM	3540.00	2.80	1 / 49	21.74	24.54	0.284	30.00	-5.46
30 MHz	π/2 BPSK	3465.00	2.80	1 / 36	26.66	29.46	0.883	30.00	-0.54
		3500.01	2.80	1 / 36	26.70	**29.50**	0.891	30.00	-0.50
		3534.99	2.80	1 / 1	26.70	**29.50**	0.891	30.00	-0.50
	QPSK	3465.00	2.80	1 / 76	26.53	29.33	0.857	30.00	-0.67
		3500.01	2.80	1 / 36	26.70	**29.50**	0.891	30.00	-0.50
		3534.99	2.80	1 / 36	26.65	29.45	0.881	30.00	-0.55
	16-QAM	3465.00	2.80	1 / 1	25.51	28.31	0.678	30.00	-1.69
	64-QAM	3465.00	2.80	1 / 36	24.70	27.50	0.562	30.00	-2.50
	256-QAM	3534.99	2.80	1 / 36	21.71	24.51	0.282	30.00	-5.49
40 MHz	π/2 BPSK	3470.01	2.80	1 / 1	26.59	29.39	0.869	30.00	-0.61
		3500.01	2.80	1 / 50	26.70	**29.50**	0.891	30.00	-0.50
		3529.98	2.80	1 / 104	26.63	29.43	0.877	30.00	-0.57
	QPSK	3470.01	2.80	1 / 1	26.70	**29.50**	0.891	30.00	-0.50
		3500.01	2.80	1 / 50	26.53	29.33	0.857	30.00	-0.67
		3529.98	2.80	1 / 104	26.65	29.45	0.881	30.00	-0.55
	16-QAM	3529.98	2.80	1 / 1	25.68	28.48	0.705	30.00	-1.52
	64-QAM	3529.98	2.80	1 / 104	24.66	27.46	0.557	30.00	-2.54
	256-QAM	3500.01	2.80	1 / 50	21.79	24.59	0.288	30.00	-5.41
50 MHz	π/2 BPSK	3475.02	2.80	1 / 131	26.70	**29.50**	0.891	30.00	-0.50
		3500.01	2.80	1 / 64	26.43	29.23	0.838	30.00	-0.77
		3525.00	2.80	1 / 64	26.42	29.22	0.836	30.00	-0.78
	QPSK	3475.02	2.80	1 / 1	26.64	29.44	0.879	30.00	-0.56
		3500.01	2.80	1 / 1	26.64	29.44	0.879	30.00	-0.56
		3525.00	2.80	1 / 64	26.53	29.33	0.857	30.00	-0.67
	16-QAM	3525.00	2.80	1 / 64	25.66	28.46	0.701	30.00	-1.54
	64-QAM	3500.01	2.80	1 / 64	24.66	27.46	0.557	30.00	-2.54
	256-QAM	3475.02	2.80	1 / 64	21.78	24.58	0.287	30.00	-5.42
60 MHz	π/2 BPSK	3480.00	2.80	1 / 81	26.64	29.44	0.879	30.00	-0.56
		3500.01	2.80	1 / 1	26.70	**29.50**	0.891	30.00	-0.50
		3519.99	2.80	1 / 1	26.51	29.31	0.853	30.00	-0.69
	QPSK	3480.00	2.80	1 / 81	26.56	29.36	0.863	30.00	-0.64
		3500.01	2.80	1 / 160	26.58	29.38	0.867	30.00	-0.62
		3519.99	2.80	1 / 81	26.69	29.49	0.889	30.00	-0.51
	16-QAM	3480.00	2.80	1 / 160	25.69	28.49	0.706	30.00	-1.51
	64-QAM	3519.99	2.80	1 / 81	24.73	27.53	0.566	30.00	-2.47
	256-QAM	3480.00	2.80	1 / 1	21.73	24.53	0.284	30.00	-5.47
70 MHz	π/2 BPSK	3485.01	2.80	1 / 1	26.67	29.47	0.885	30.00	-0.53
		3500.01	2.80	1 / 1	26.67	29.47	0.885	30.00	-0.53
		3514.98	2.80	1 / 187	26.68	29.48	0.887	30.00	-0.52
	QPSK	3485.01	2.80	1 / 90	26.64	29.44	0.879	30.00	-0.56
		3500.01	2.80	1 / 90	26.70	**29.50**	0.891	30.00	-0.50
		3514.98	2.80	1 / 90	26.60	29.40	0.871	30.00	-0.60
	16-QAM	3514.98	2.80	1 / 187	25.70	28.50	0.708	30.00	-1.50
	64-QAM	3500.01	2.80	1 / 1	24.71	27.51	0.564	30.00	-2.49
	256-QAM	3500.01	2.80	1 / 1	21.81	24.61	0.289	30.00	-5.39
80 MHz	π/2 BPSK	3490.02	2.80	1 / 215	26.40	29.20	0.832	30.00	-0.80
		3500.01	2.80	1 / 1	26.50	29.30	0.851	30.00	-0.70
		3510.00	2.80	1 / 108	26.67	29.47	0.885	30.00	-0.53
	QPSK	3490.02	2.80	1 / 108	26.70	**29.50**	0.891	30.00	-0.50
		3500.01	2.80	1 / 215	26.64	29.44	0.879	30.00	-0.56
		3510.00	2.80	1 / 1	26.64	29.44	0.879	30.00	-0.56
	16-QAM	3500.01	2.80	1 / 215	25.74	28.54	0.714	30.00	-1.46
	64-QAM	3500.01	2.80	1 / 108	24.76	27.56	0.570	30.00	-2.44
	256-QAM	3500.01	2.80	1 / 1	21.86	24.66	0.292	30.00	-5.34
90 MHz	π/2 BPSK	3495.00	2.80	1 / 120	26.56	29.36	0.863	30.00	-0.64
		3500.01	2.80	1 / 243	26.54	29.34	0.859	30.00	-0.66
		3504.99	2.80	1 / 1	26.70	**29.50**	0.891	30.00	-0.50
	QPSK	3495.00	2.80	1 / 243	26.52	29.32	0.855	30.00	-0.68
		3500.01	2.80	1 / 120	26.52	29.32	0.855	30.00	-0.68
		3504.99	2.80	1 / 243	26.58	29.38	0.867	30.00	-0.62
	16-QAM	3500.01	2.80	1 / 243	25.66	28.46	0.701	30.00	-1.54
	64-QAM	3500.01	2.80	1 / 1	24.63	27.43	0.553	30.00	-2.57
	256-QAM	3504.99	2.80	1 / 1	21.80	24.60	0.288	30.00	-5.40
100 MHz	π/2 BPSK	3500.01	2.80	1 / 135	26.38	29.18	0.828	30.00	-0.82
	QPSK	3500.01	2.80	1 / 1	26.57	**29.37**	0.865	30.00	-0.63
	16-QAM	3500.01	2.80	1 / 135	25.69	28.49	0.706	30.00	-1.51
	64-QAM	3500.01	2.80	1 / 135	24.59	27.39	0.548	30.00	-2.61
	256-QAM	3500.01	2.80	1 / 271	21.50	24.30	0.269	30.00	-5.70

Table 7-2. Antenna 3a 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	2.80	1 / 22	25.43	**28.23**	0.665	30.00	-1.77
		3500.01	2.80	1 / 22	25.70	**28.50**	0.708	30.00	-1.50
		3544.98	2.80	1 / 1	25.64	28.44	0.698	30.00	-1.56
	QPSK	3455.01	2.80	1 / 1	25.70	**28.50**	0.708	30.00	-1.50
		3500.01	2.80	1 / 22	25.69	28.49	0.706	30.00	-1.51
		3544.98	2.80	1 / 22	25.51	28.31	0.678	30.00	-1.69
	16-QAM	3500.01	2.80	1 / 12	24.70	27.50	0.562	30.00	-2.50
	64-QAM	3544.98	2.80	1 / 22	23.68	26.48	0.445	30.00	-3.52
	256-QAM	3500.01	2.80	1 / 1	20.71	23.51	0.224	30.00	-6.49
15 MHz	π/2 BPSK	3457.50	2.80	1 / 1	25.50	28.30	0.676	30.00	-1.70
		3500.01	2.80	1 / 1	25.48	28.28	0.673	30.00	-1.72
		3542.49	2.80	1 / 18	25.42	28.22	0.664	30.00	-1.78
	QPSK	3457.50	2.80	1 / 18	25.65	28.45	0.700	30.00	-1.55
		3500.01	2.80	1 / 18	25.70	**28.50**	0.708	30.00	-1.50
		3542.49	2.80	1 / 36	25.68	28.48	0.705	30.00	-1.52
	16-QAM	3500.01	2.80	1 / 18	24.45	27.25	0.531	30.00	-2.75
	64-QAM	3542.49	2.80	1 / 1	23.70	26.50	0.447	30.00	-3.50
	256-QAM	3542.49	2.80	1 / 1	20.79	23.59	0.229	30.00	-6.41
20 MHz	π/2 BPSK	3460.02	2.80	1 / 49	25.34	28.14	0.652	30.00	-1.86
		3500.01	2.80	1 / 1	25.57	28.37	0.687	30.00	-1.63
		3540.00	2.80	1 / 1	25.48	28.28	0.673	30.00	-1.72
	QPSK	3460.02	2.80	1 / 1	25.66	28.46	0.701	30.00	-1.54
		3500.01	2.80	1 / 49	25.48	28.28	0.673	30.00	-1.72
		3540.00	2.80	1 / 1	25.70	**28.50**	0.708	30.00	-1.50
	16-QAM	3500.01	2.80	1 / 25	24.72	27.52	0.565	30.00	-2.48
	64-QAM	3500.01	2.80	1 / 1	23.66	26.46	0.443	30.00	-3.54
	256-QAM	3540.00	2.80	1 / 25	20.80	23.60	0.229	30.00	-6.40
30 MHz	π/2 BPSK	3465.00	2.80	1 / 36	25.70	**28.50**	0.708	30.00	-1.50
		3500.01	2.80	1 / 76	25.59	28.39	0.690	30.00	-1.61
		3534.99	2.80	1 / 36	25.59	28.39	0.690	30.00	-1.61
	QPSK	3465.00	2.80	1 / 36	25.68	28.48	0.705	30.00	-1.52
		3500.01	2.80	1 / 1	25.69	28.49	0.706	30.00	-1.51
		3534.99	2.80	1 / 76	25.36	28.16	0.655	30.00	-1.84
	16-QAM	3534.99	2.80	1 / 36	24.60	27.40	0.550	30.00	-2.60
	64-QAM	3465.00	2.80	1 / 1	23.73	26.53	0.450	30.00	-3.47
	256-QAM	3534.99	2.80	1 / 36	20.80	23.60	0.229	30.00	-6.40
40 MHz	π/2 BPSK	3470.01	2.80	1 / 1	25.70	**28.50**	0.708	30.00	-1.50
		3500.01	2.80	1 / 104	25.68	28.48	0.705	30.00	-1.52
		3529.98	2.80	1 / 1	25.38	28.18	0.658	30.00	-1.82
	QPSK	3470.01	2.80	1 / 104	25.70	**28.50**	0.708	30.00	-1.50
		3500.01	2.80	1 / 1	25.66	28.46	0.701	30.00	-1.54
		3529.98	2.80	1 / 1	25.36	28.16	0.655	30.00	-1.84
	16-QAM	3529.98	2.80	1 / 1	24.65	27.45	0.556	30.00	-2.55
	64-QAM	3529.98	2.80	1 / 1	23.65	26.45	0.442	30.00	-3.55
	256-QAM	3470.01	2.80	1 / 104	20.80	23.60	0.229	30.00	-6.40
50 MHz	π/2 BPSK	3475.02	2.80	1 / 64	25.48	28.28	0.673	30.00	-1.72
		3500.01	2.80	1 / 64	25.68	28.48	0.705	30.00	-1.52
		3525.00	2.80	1 / 131	25.28	28.08	0.643	30.00	-1.92
	QPSK	3475.02	2.80	1 / 131	25.62	28.42	0.695	30.00	-1.58
		3500.01	2.80	1 / 64	25.70	**28.50**	0.708	30.00	-1.50
		3525.00	2.80	1 / 64	25.68	28.48	0.705	30.00	-1.52
	16-QAM	3500.01	2.80	1 / 1	24.69	27.49	0.561	30.00	-2.51
	64-QAM	3500.01	2.80	1 / 131	23.70	26.50	0.447	30.00	-3.50
	256-QAM	3525.00	2.80	1 / 64	20.81	23.61	0.230	30.00	-6.39
60 MHz	π/2 BPSK	3480.00	2.80	1 / 1	25.70	**28.50**	0.708	30.00	-1.50
		3500.01	2.80	1 / 1	25.68	28.48	0.705	30.00	-1.52
		3519.99	2.80	1 / 1	25.54	28.34	0.682	30.00	-1.66
	QPSK	3480.00	2.80	1 / 1	25.50	28.30	0.676	30.00	-1.70
		3500.01	2.80	1 / 160	25.54	28.34	0.682	30.00	-1.66
		3519.99	2.80	1 / 1	25.65	28.45	0.700	30.00	-1.55
	16-QAM	3519.99	2.80	1 / 160	24.71	27.51	0.564	30.00	-2.49
	64-QAM	3480.00	2.80	1 / 81	23.61	26.41	0.438	30.00	-3.59
	256-QAM	3519.99	2.80	1 / 81	20.78	23.58	0.228	30.00	-6.42
70 MHz	π/2 BPSK	3485.01	2.80	1 / 1	25.70	**28.50**	0.708	30.00	-1.50
		3500.01	2.80	1 / 1	25.43	28.23	0.665	30.00	-1.77
		3514.98	2.80	1 / 1	25.41	28.21	0.662	30.00	-1.79
	QPSK	3485.01	2.80	1 / 1	25.62	28.42	0.695	30.00	-1.58
		3500.01	2.80	1 / 187	25.55	28.35	0.684	30.00	-1.65
		3514.98	2.80	1 / 1	25.69	28.49	0.706	30.00	-1.51
	16-QAM	3500.01	2.80	1 / 187	24.72	27.52	0.565	30.00	-2.48
	64-QAM	3514.98	2.80	1 / 90	23.60	26.40	0.437	30.00	-3.60
	256-QAM	3500.01	2.80	1 / 1	20.81	23.61	0.230	30.00	-6.39
80 MHz	π/2 BPSK	3490.02	2.80	1 / 108	25.62	28.42	0.695	30.00	-1.58
		3500.01	2.80	1 / 215	25.68	28.48	0.705	30.00	-1.52
		3510.00	2.80	1 / 108	25.46	28.26	0.670	30.00	-1.74
	QPSK	3490.02	2.80	1 / 1	25.70	**28.50**	0.708	30.00	-1.50
		3500.01	2.80	1 / 215	25.61	28.41	0.693	30.00	-1.59
		3510.00	2.80	1 / 108	25.61	28.41	0.693	30.00	-1.59
	16-QAM	3510.00	2.80	1 / 1	24.59	27.39	0.548	30.00	-2.61
	64-QAM	3510.00	2.80	1 / 108	23.76	26.56	0.453	30.00	-3.44
	256-QAM	3500.01	2.80	1 / 1	20.82	23.62	0.230	30.00	-6.38
90 MHz	π/2 BPSK	3495.00	2.80	1 / 243	25.41	28.21	0.662	30.00	-1.79
		3500.01	2.80	1 / 1	25.64	28.44	0.698	30.00	-1.56
		3504.99	2.80	1 / 1	25.65	28.45	0.700	30.00	-1.55
	QPSK	3495.00	2.80	1 / 243	25.68	28.48	0.705	30.00	-1.52
		3500.01	2.80	1 / 120	25.53	28.33	0.681	30.00	-1.67
		3504.99	2.80	1 / 243	25.70	**28.50**	0.708	30.00	-1.50
	16-QAM	3504.99	2.80	1 / 243	24.67	27.47	0.558	30.00	-2.53
	64-QAM	3500.01	2.80	1 / 120	23.67	26.47	0.444	30.00	-3.53
	256-QAM	3500.01	2.80	1 / 1	20.84	23.64	0.231	30.00	-6.36
100 MHz	π/2 BPSK	3500.01	2.80	1 / 135	25.65	28.45	0.700	30.00	-1.55
	QPSK	3500.01	2.80	1 / 271	25.68	**28.48**	0.705	30.00	-1.52
	16-QAM	3500.01	2.80	1 / 271	24.52	27.32	0.540	30.00	-2.68
	64-QAM	3500.01	2.80	1 / 1	23.69	26.49	0.446	30.00	-3.51
	256-QAM	3500.01	2.80	1 / 1	20.64	23.44	0.221	30.00	-6.56

Table 7-3. Antenna 3a 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	26.61	**27.41**	0.551	30.00	-2.59
		3840.00	0.80	1 / 1	26.70	**27.50**	0.562	30.00	-2.50
		3975.00	0.80	1 / 1	26.65	27.45	0.556	30.00	-2.55
	QPSK	3705.00	0.80	1 / 1	26.63	27.43	0.553	30.00	-2.57
		3840.00	0.80	1 / 1	26.69	27.49	0.561	30.00	-2.51
		3975.00	0.80	1 / 12	26.54	27.34	0.542	30.00	-2.66
	16-QAM	3840.00	0.80	1 / 12	25.68	26.48	0.445	30.00	-3.52
	64-QAM	3975.00	0.80	1 / 1	24.72	25.52	0.356	30.00	-4.48
	256-QAM	3705.00	0.80	1 / 1	21.78	22.58	0.181	30.00	-7.42
15 MHz	π/2 BPSK	3707.51	0.80	1 / 18	26.69	27.49	0.561	30.00	-2.51
		3840.00	0.80	1 / 1	26.60	27.40	0.550	30.00	-2.60
		3972.50	0.80	1 / 1	26.68	27.48	0.560	30.00	-2.52
	QPSK	3707.51	0.80	1 / 1	26.59	27.39	0.548	30.00	-2.61
		3840.00	0.80	1 / 18	26.52	27.32	0.540	30.00	-2.68
		3972.50	0.80	1 / 36	26.70	**27.50**	0.562	30.00	-2.50
	16-QAM	3972.50	0.80	1 / 1	25.80	26.60	0.457	30.00	-3.40
	64-QAM	3840.00	0.80	1 / 36	24.79	25.59	0.362	30.00	-4.41
	256-QAM	3972.50	0.80	1 / 1	21.86	22.66	0.185	30.00	-7.34
20 MHz	π/2 BPSK	3710.01	0.80	1 / 1	26.56	27.36	0.545	30.00	-2.64
		3840.00	0.80	1 / 1	26.64	27.44	0.555	30.00	-2.56
		3969.99	0.80	1 / 25	26.67	27.47	0.558	30.00	-2.53
	QPSK	3710.01	0.80	1 / 1	26.58	27.38	0.547	30.00	-2.62
		3840.00	0.80	1 / 25	26.55	27.35	0.543	30.00	-2.65
		3969.99	0.80	1 / 49	26.70	**27.50**	0.562	30.00	-2.50
	16-QAM	3710.01	0.80	1 / 49	25.62	26.42	0.439	30.00	-3.58
	64-QAM	3969.99	0.80	1 / 1	24.63	25.43	0.349	30.00	-4.57
	256-QAM	3969.99	0.80	1 / 1	21.70	22.50	0.178	30.00	-7.50
30 MHz	π/2 BPSK	3715.02	0.80	1 / 36	26.70	**27.50**	0.562	30.00	-2.50
		3840.00	0.80	1 / 76	26.69	27.49	0.561	30.00	-2.51
		3964.98	0.80	1 / 1	26.54	27.34	0.542	30.00	-2.66
	QPSK	3715.02	0.80	1 / 1	26.70	**27.50**	0.562	30.00	-2.50
		3840.00	0.80	1 / 1	26.68	27.48	0.560	30.00	-2.52
		3964.98	0.80	1 / 76	26.62	27.42	0.552	30.00	-2.58
	16-QAM	3964.98	0.80	1 / 1	25.75	26.55	0.452	30.00	-3.45
	64-QAM	3964.98	0.80	1 / 36	24.74	25.54	0.358	30.00	-4.46
	256-QAM	3964.98	0.80	1 / 36	21.83	22.63	0.183	30.00	-7.37
40 MHz	π/2 BPSK	3720.00	0.80	1 / 50	26.59	27.39	0.548	30.00	-2.61
		3840.00	0.80	1 / 1	26.69	27.49	0.561	30.00	-2.51
		3960.00	0.80	1 / 104	26.57	27.37	0.546	30.00	-2.63
	QPSK	3720.00	0.80	1 / 104	26.67	27.47	0.558	30.00	-2.53
		3840.00	0.80	1 / 50	26.70	**27.50**	0.562	30.00	-2.50
		3960.00	0.80	1 / 1	26.68	27.48	0.560	30.00	-2.52
	16-QAM	3960.00	0.80	1 / 50	25.57	26.37	0.434	30.00	-3.63
	64-QAM	3720.00	0.80	1 / 50	24.66	25.46	0.352	30.00	-4.54
	256-QAM	3960.00	0.80	1 / 50	21.80	22.60	0.182	30.00	-7.40
50 MHz	π/2 BPSK	3725.01	0.80	1 / 131	26.70	**27.50**	0.562	30.00	-2.50
		3840.00	0.80	1 / 131	26.44	27.24	0.530	30.00	-2.76
		3954.99	0.80	1 / 64	26.66	27.46	0.557	30.00	-2.54
	QPSK	3725.01	0.80	1 / 1	26.61	27.41	0.551	30.00	-2.59
		3840.00	0.80	1 / 131	26.67	27.47	0.558	30.00	-2.53
		3954.99	0.80	1 / 1	26.51	27.31	0.538	30.00	-2.69
	16-QAM	3840.00	0.80	1 / 1	25.66	26.46	0.443	30.00	-3.54
	64-QAM	3954.99	0.80	1 / 131	24.68	25.48	0.353	30.00	-4.52
	256-QAM	3840.00	0.80	1 / 131	21.79	22.59	0.182	30.00	-7.41
60 MHz	π/2 BPSK	3730.02	0.80	1 / 160	26.56	27.36	0.545	30.00	-2.64
		3840.00	0.80	1 / 1	26.50	27.30	0.537	30.00	-2.70
		3949.98	0.80	1 / 81	26.70	**27.50**	0.562	30.00	-2.50
	QPSK	3730.02	0.80	1 / 81	26.40	27.20	0.525	30.00	-2.80
		3840.00	0.80	1 / 81	26.65	27.45	0.556	30.00	-2.55
		3949.98	0.80	1 / 1	26.69	27.49	0.561	30.00	-2.51
	16-QAM	3840.00	0.80	1 / 1	25.72	26.52	0.449	30.00	-3.48
	64-QAM	3949.98	0.80	1 / 1	24.69	25.49	0.354	30.00	-4.51
	256-QAM	3949.98	0.80	1 / 1	21.87	22.67	0.185	30.00	-7.33
70 MHz	π/2 BPSK	3735.00	0.80	1 / 187	26.70	**27.50**	0.562	30.00	-2.50
		3840.00	0.80	1 / 90	26.44	27.24	0.530	30.00	-2.76
		3945.00	0.80	1 / 187	26.62	27.42	0.552	30.00	-2.58
	QPSK	3735.00	0.80	1 / 90	26.36	27.16	0.520	30.00	-2.84
		3840.00	0.80	1 / 187	26.66	27.46	0.557	30.00	-2.54
		3945.00	0.80	1 / 1	26.70	**27.50**	0.562	30.00	-2.50
	16-QAM	3840.00	0.80	1 / 187	25.78	26.58	0.455	30.00	-3.42
	64-QAM	3840.00	0.80	1 / 1	24.78	25.58	0.361	30.00	-4.42
	256-QAM	3735.00	0.80	1 / 187	21.75	22.55	0.180	30.00	-7.45
80 MHz	π/2 BPSK	3740.01	0.80	1 / 215	26.53	27.33	0.541	30.00	-2.67
		3840.00	0.80	1 / 108	26.50	27.30	0.537	30.00	-2.70
		3939.99	0.80	1 / 1	26.63	27.43	0.553	30.00	-2.57
	QPSK	3740.01	0.80	1 / 108	26.53	27.33	0.541	30.00	-2.67
		3840.00	0.80	1 / 108	26.70	**27.50**	0.562	30.00	-2.50
		3939.99	0.80	1 / 215	26.56	27.36	0.545	30.00	-2.64
	16-QAM	3939.99	0.80	1 / 108	25.62	26.42	0.439	30.00	-3.58
	64-QAM	3740.01	0.80	1 / 215	24.72	25.52	0.356	30.00	-4.48
	256-QAM	3740.01	0.80	1 / 1	21.66	22.46	0.176	30.00	-7.54
90 MHz	π/2 BPSK	3745.02	0.80	1 / 243	26.59	27.39	0.548	30.00	-2.61
		3840.00	0.80	1 / 243	26.54	27.34	0.542	30.00	-2.66
		3934.98	0.80	1 / 120	26.69	27.49	0.561	30.00	-2.51
	QPSK	3745.02	0.80	1 / 120	26.61	27.41	0.551	30.00	-2.59
		3840.00	0.80	1 / 243	26.65	27.45	0.556	30.00	-2.55
		3934.98	0.80	1 / 1	26.70	**27.50**	0.562	30.00	-2.50
	16-QAM	3934.98	0.80	1 / 243	25.65	26.45	0.442	30.00	-3.55
	64-QAM	3934.98	0.80	1 / 1	24.65	25.45	0.351	30.00	-4.55
	256-QAM	3745.02	0.80	1 / 243	21.70	22.50	0.178	30.00	-7.50
100 MHz	π/2 BPSK	3750.00	0.80	1 / 135	26.61	27.41	0.551	30.00	-2.59
		3840.00	0.80	1 / 1	26.70	**27.50**	0.562	30.00	-2.50
		3930.00	0.80	1 / 135	26.69	27.49	0.561	30.00	-2.51
	QPSK	3750.00	0.80	1 / 1	26.50	27.30	0.537	30.00	-2.70
		3840.00	0.80	1 / 1	26.53	27.33	0.541	30.00	-2.67
		3930.00	0.80	1 / 1	26.48	27.28	0.535	30.00	-2.72
	16-QAM	3930.00	0.80	1 / 1	25.61	26.41	0.438	30.00	-3.59
	64-QAM	3930.00	0.80	1 / 271	24.68	25.48	0.353	30.00	-4.52
	256-QAM	3750.00	0.80	1 / 1	21.81	22.61	0.182	30.00	-7.39

Table 7-4. Antenna 3a 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	25.38	**26.18**	0.415	30.00	-3.82
		3840.00	0.80	1 / 1	25.62	26.42	0.439	30.00	-3.58
		3975.00	0.80	1 / 1	25.62	26.42	0.439	30.00	-3.58
	QPSK	3705.00	0.80	1 / 22	25.33	26.13	0.410	30.00	-3.87
		3840.00	0.80	1 / 22	25.32	26.12	0.409	30.00	-3.88
		3975.00	0.80	1 / 22	25.70	**26.50**	0.447	30.00	-3.50
	16-QAM	3840.00	0.80	1 / 22	24.68	25.48	0.353	30.00	-4.52
	64-QAM	3975.00	0.80	1 / 1	23.69	24.49	0.281	30.00	-5.51
	256-QAM	3705.00	0.80	1 / 12	20.79	21.59	0.144	30.00	-8.41
15 MHz	π/2 BPSK	3707.51	0.80	1 / 36	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 1	25.43	26.23	0.420	30.00	-3.77
		3972.50	0.80	1 / 18	25.56	26.36	0.433	30.00	-3.64
	QPSK	3707.51	0.80	1 / 18	25.66	26.46	0.443	30.00	-3.54
		3840.00	0.80	1 / 36	25.61	26.41	0.438	30.00	-3.59
		3972.50	0.80	1 / 36	25.59	26.39	0.436	30.00	-3.61
	16-QAM	3707.51	0.80	1 / 18	24.66	25.46	0.352	30.00	-4.54
	64-QAM	3840.00	0.80	1 / 1	23.69	24.49	0.281	30.00	-5.51
	256-QAM	3972.50	0.80	1 / 18	20.77	21.57	0.144	30.00	-8.43
20 MHz	π/2 BPSK	3710.01	0.80	1 / 1	25.49	26.29	0.426	30.00	-3.71
		3840.00	0.80	1 / 49	25.61	26.41	0.438	30.00	-3.59
		3969.99	0.80	1 / 25	25.70	**26.50**	0.447	30.00	-3.50
	QPSK	3710.01	0.80	1 / 1	25.63	26.43	0.440	30.00	-3.57
		3840.00	0.80	1 / 1	25.68	26.48	0.445	30.00	-3.52
		3969.99	0.80	1 / 49	25.58	26.38	0.435	30.00	-3.62
	16-QAM	3840.00	0.80	1 / 1	24.64	25.44	0.350	30.00	-4.56
	64-QAM	3710.01	0.80	1 / 1	23.71	24.51	0.282	30.00	-5.49
	256-QAM	3969.99	0.80	1 / 1	20.81	21.61	0.145	30.00	-8.39
30 MHz	π/2 BPSK	3715.02	0.80	1 / 1	25.63	26.43	0.440	30.00	-3.57
		3840.00	0.80	1 / 36	25.70	**26.50**	0.447	30.00	-3.50
		3964.98	0.80	1 / 76	25.49	26.29	0.426	30.00	-3.71
	QPSK	3715.02	0.80	1 / 36	25.61	26.41	0.438	30.00	-3.59
		3840.00	0.80	1 / 76	25.51	26.31	0.428	30.00	-3.69
		3964.98	0.80	1 / 76	25.70	**26.50**	0.447	30.00	-3.50
	16-QAM	3964.98	0.80	1 / 76	24.64	25.44	0.350	30.00	-4.56
	64-QAM	3715.02	0.80	1 / 36	23.71	24.51	0.282	30.00	-5.49
	256-QAM	3964.98	0.80	1 / 1	20.77	21.57	0.144	30.00	-8.43
40 MHz	π/2 BPSK	3720.00	0.80	1 / 1	25.56	26.36	0.433	30.00	-3.64
		3840.00	0.80	1 / 50	25.53	26.33	0.430	30.00	-3.67
		3960.00	0.80	1 / 104	25.69	26.49	0.446	30.00	-3.51
	QPSK	3720.00	0.80	1 / 104	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 50	25.43	26.23	0.420	30.00	-3.77
		3960.00	0.80	1 / 104	25.54	26.34	0.431	30.00	-3.66
	16-QAM	3720.00	0.80	1 / 104	24.70	25.50	0.355	30.00	-4.50
	64-QAM	3840.00	0.80	1 / 1	23.59	24.39	0.275	30.00	-5.61
	256-QAM	3720.00	0.80	1 / 50	20.62	21.42	0.139	30.00	-8.58
50 MHz	π/2 BPSK	3725.01	0.80	1 / 1	25.63	26.43	0.440	30.00	-3.57
		3840.00	0.80	1 / 131	25.69	26.49	0.446	30.00	-3.51
		3954.99	0.80	1 / 1	25.64	26.44	0.441	30.00	-3.56
	QPSK	3725.01	0.80	1 / 131	25.47	26.27	0.424	30.00	-3.73
		3840.00	0.80	1 / 131	25.56	26.36	0.433	30.00	-3.64
		3954.99	0.80	1 / 64	25.70	**26.50**	0.447	30.00	-3.50
	16-QAM	3840.00	0.80	1 / 131	24.69	25.49	0.354	30.00	-4.51
	64-QAM	3954.99	0.80	1 / 64	23.65	24.45	0.279	30.00	-5.55
	256-QAM	3954.99	0.80	1 / 1	20.79	21.59	0.144	30.00	-8.41
60 MHz	π/2 BPSK	3730.02	0.80	1 / 81	25.43	26.23	0.420	30.00	-3.77
		3840.00	0.80	1 / 1	25.50	26.30	0.427	30.00	-3.70
		3949.98	0.80	1 / 1	25.66	26.46	0.443	30.00	-3.54
	QPSK	3730.02	0.80	1 / 81	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 81	25.57	26.37	0.434	30.00	-3.63
		3949.98	0.80	1 / 81	25.70	**26.50**	0.447	30.00	-3.50
	16-QAM	3949.98	0.80	1 / 1	24.65	25.45	0.351	30.00	-4.55
	64-QAM	3840.00	0.80	1 / 1	23.69	24.49	0.281	30.00	-5.51
	256-QAM	3949.98	0.80	1 / 81	20.72	21.52	0.142	30.00	-8.48
70 MHz	π/2 BPSK	3735.00	0.80	1 / 90	25.54	26.34	0.431	30.00	-3.66
		3840.00	0.80	1 / 187	25.69	26.49	0.446	30.00	-3.51
		3945.00	0.80	1 / 90	25.70	**26.50**	0.447	30.00	-3.50
	QPSK	3735.00	0.80	1 / 1	25.59	26.39	0.436	30.00	-3.61
		3840.00	0.80	1 / 187	25.68	26.48	0.445	30.00	-3.52
		3945.00	0.80	1 / 187	25.38	26.18	0.415	30.00	-3.82
	16-QAM	3840.00	0.80	1 / 187	24.69	25.49	0.354	30.00	-4.51
	64-QAM	3735.00	0.80	1 / 1	23.69	24.49	0.281	30.00	-5.51
	256-QAM	3840.00	0.80	1 / 90	20.75	21.55	0.143	30.00	-8.45
80 MHz	π/2 BPSK	3740.01	0.80	1 / 108	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 108	25.62	26.42	0.439	30.00	-3.58
		3939.99	0.80	1 / 215	25.60	26.40	0.437	30.00	-3.60
	QPSK	3740.01	0.80	1 / 108	25.67	26.47	0.444	30.00	-3.53
		3840.00	0.80	1 / 108	25.69	26.49	0.446	30.00	-3.51
		3939.99	0.80	1 / 108	25.63	26.43	0.440	30.00	-3.57
	16-QAM	3740.01	0.80	1 / 108	24.64	25.44	0.350	30.00	-4.56
	64-QAM	3740.01	0.80	1 / 108	23.67	24.47	0.280	30.00	-5.53
	256-QAM	3840.00	0.80	1 / 108	20.77	21.57	0.144	30.00	-8.43
90 MHz	π/2 BPSK	3745.02	0.80	1 / 1	25.70	**26.50**	0.447	30.00	-3.50
		3840.00	0.80	1 / 120	25.66	26.46	0.443	30.00	-3.54
		3934.98	0.80	1 / 243	25.56	26.36	0.433	30.00	-3.64
	QPSK	3745.02	0.80	1 / 243	25.47	26.27	0.424	30.00	-3.73
		3840.00	0.80	1 / 120	25.56	26.36	0.433	30.00	-3.64
		3934.98	0.80	1 / 120	25.51	26.31	0.428	30.00	-3.69
	16-QAM	3840.00	0.80	1 / 1	24.70	25.50	0.355	30.00	-4.50
	64-QAM	3934.98	0.80	1 / 243	23.70	24.50	0.282	30.00	-5.50
	256-QAM	3745.02	0.80	1 / 243	20.77	21.57	0.144	30.00	-8.43
100 MHz	π/2 BPSK	3750.00	0.80	1 / 271	25.48	26.28	0.425	30.00	-3.72
		3840.00	0.80	1 / 1	25.67	26.47	0.444	30.00	-3.53
		3930.00	0.80	1 / 1	25.70	**26.50**	0.447	30.00	-3.50
	QPSK	3750.00	0.80	1 / 135	25.67	26.47	0.444	30.00	-3.53
		3840.00	0.80	1 / 1	25.60	26.40	0.437	30.00	-3.60
		3930.00	0.80	1 / 1	25.66	26.46	0.443	30.00	-3.54
	16-QAM	3750.00	0.80	1 / 271	24.70	25.50	0.355	30.00	-4.50
	64-QAM	3840.00	0.80	1 / 135	23.66	24.46	0.279	30.00	-5.54
	256-QAM	3750.00	0.80	1 / 1	20.77	21.57	0.144	30.00	-8.43

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

7.6.2 Antenna 2 – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.90	1 / 12	23.25	**25.15**	0.327	30.00	-4.85
		3500.01	1.90	1 / 12	23.26	25.16	0.328	30.00	-4.84
		3544.98	1.90	1 / 1	23.30	**25.20**	0.331	30.00	-4.80
	QPSK	3455.01	1.90	1 / 12	23.15	25.05	0.320	30.00	-4.95
		3500.01	1.90	1 / 1	23.30	**25.20**	0.331	30.00	-4.80
		3544.98	1.90	1 / 12	23.24	25.14	0.327	30.00	-4.86
	16-QAM	3544.98	1.90	1 / 12	22.26	24.16	0.261	30.00	-5.84
	64-QAM	3500.01	1.90	1 / 12	21.31	23.21	0.209	30.00	-6.79
	256-QAM	3500.01	1.90	1 / 12	18.26	20.16	0.104	30.00	-9.84
15 MHz	π/2 BPSK	3457.50	1.90	1 / 36	23.16	25.06	0.321	30.00	-4.94
		3500.01	1.90	1 / 36	23.26	25.16	0.328	30.00	-4.84
		3542.49	1.90	1 / 18	23.19	25.09	0.323	30.00	-4.91
	QPSK	3457.50	1.90	1 / 18	23.30	**25.20**	0.331	30.00	-4.80
		3500.01	1.90	1 / 36	23.10	25.00	0.316	30.00	-5.00
		3542.49	1.90	1 / 18	23.22	25.12	0.325	30.00	-4.88
	16-QAM	3500.01	1.90	1 / 1	22.30	24.20	0.263	30.00	-5.80
	64-QAM	3500.01	1.90	1 / 1	21.22	23.12	0.205	30.00	-6.88
	256-QAM	3500.01	1.90	1 / 18	18.36	20.26	0.106	30.00	-9.74
20 MHz	π/2 BPSK	3460.02	1.90	1 / 49	23.28	25.18	0.330	30.00	-4.82
		3500.01	1.90	1 / 25	23.25	25.15	0.327	30.00	-4.85
		3540.00	1.90	1 / 1	23.16	25.06	0.321	30.00	-4.94
	QPSK	3460.02	1.90	1 / 25	23.14	25.04	0.319	30.00	-4.96
		3500.01	1.90	1 / 25	23.23	25.13	0.326	30.00	-4.87
		3540.00	1.90	1 / 49	23.30	**25.20**	0.331	30.00	-4.80
	16-QAM	3460.02	1.90	1 / 1	22.31	24.21	0.264	30.00	-5.79
	64-QAM	3540.00	1.90	1 / 1	21.28	23.18	0.208	30.00	-6.82
	256-QAM	3540.00	1.90	1 / 1	18.41	20.31	0.107	30.00	-9.69
30 MHz	π/2 BPSK	3465.00	1.90	1 / 1	23.27	25.17	0.329	30.00	-4.83
		3500.01	1.90	1 / 1	23.27	25.17	0.329	30.00	-4.83
		3534.99	1.90	1 / 1	22.95	24.85	0.305	30.00	-5.15
	QPSK	3465.00	1.90	1 / 76	23.03	24.93	0.311	30.00	-5.07
		3500.01	1.90	1 / 1	23.30	**25.20**	0.331	30.00	-4.80
		3534.99	1.90	1 / 1	23.24	25.14	0.327	30.00	-4.86
	16-QAM	3500.01	1.90	1 / 1	22.30	24.20	0.263	30.00	-5.80
	64-QAM	3500.01	1.90	1 / 36	21.28	23.18	0.208	30.00	-6.82
	256-QAM	3500.01	1.90	1 / 76	18.40	20.30	0.107	30.00	-9.70
40 MHz	π/2 BPSK	3470.01	1.90	1 / 104	23.20	25.10	0.324	30.00	-4.90
		3500.01	1.90	1 / 50	23.22	25.12	0.325	30.00	-4.88
		3529.98	1.90	1 / 104	23.17	25.07	0.321	30.00	-4.93
	QPSK	3470.01	1.90	1 / 104	23.30	**25.20**	0.331	30.00	-4.80
		3500.01	1.90	1 / 104	23.27	25.17	0.329	30.00	-4.83
		3529.98	1.90	1 / 104	23.20	25.10	0.324	30.00	-4.90
	16-QAM	3470.01	1.90	1 / 104	22.21	24.11	0.258	30.00	-5.89
	64-QAM	3470.01	1.90	1 / 104	21.19	23.09	0.204	30.00	-6.91
	256-QAM	3470.01	1.90	1 / 1	18.36	20.26	0.106	30.00	-9.74
50 MHz	π/2 BPSK	3475.02	1.90	1 / 1	23.15	25.05	0.320	30.00	-4.95
		3500.01	1.90	1 / 64	23.25	25.15	0.327	30.00	-4.85
		3525.00	1.90	1 / 64	23.02	24.92	0.310	30.00	-5.08
	QPSK	3475.02	1.90	1 / 64	23.30	**25.20**	0.331	30.00	-4.80
		3500.01	1.90	1 / 64	23.25	25.15	0.327	30.00	-4.85
		3525.00	1.90	1 / 64	23.30	**25.20**	0.331	30.00	-4.80
	16-QAM	3525.00	1.90	1 / 131	22.30	24.20	0.263	30.00	-5.80
	64-QAM	3475.02	1.90	1 / 131	21.28	23.18	0.208	30.00	-6.82
	256-QAM	3500.01	1.90	1 / 64	18.40	20.30	0.107	30.00	-9.70
60 MHz	π/2 BPSK	3480.00	1.90	1 / 1	22.95	24.85	0.305	30.00	-5.15
		3500.01	1.90	1 / 160	23.29	25.19	0.330	30.00	-4.81
		3519.99	1.90	1 / 81	23.11	25.01	0.317	30.00	-4.99
	QPSK	3480.00	1.90	1 / 1	23.28	25.18	0.330	30.00	-4.82
		3500.01	1.90	1 / 160	23.30	**25.20**	0.331	30.00	-4.80
		3519.99	1.90	1 / 1	23.14	25.04	0.319	30.00	-4.96
	16-QAM	3500.01	1.90	1 / 1	22.19	24.09	0.256	30.00	-5.91
	64-QAM	3480.00	1.90	1 / 81	21.18	23.08	0.203	30.00	-6.92
	256-QAM	3500.01	1.90	1 / 81	18.35	20.25	0.106	30.00	-9.75
70 MHz	π/2 BPSK	3485.01	1.90	1 / 187	23.25	25.15	0.327	30.00	-4.85
		3500.01	1.90	1 / 1	23.30	**25.20**	0.331	30.00	-4.80
		3514.98	1.90	1 / 1	23.24	25.14	0.327	30.00	-4.86
	QPSK	3485.01	1.90	1 / 1	23.30	**25.20**	0.331	30.00	-4.80
		3500.01	1.90	1 / 187	23.22	25.12	0.325	30.00	-4.88
		3514.98	1.90	1 / 187	23.28	25.18	0.330	30.00	-4.82
	16-QAM	3500.01	1.90	1 / 90	22.28	24.18	0.262	30.00	-5.82
	64-QAM	3485.01	1.90	1 / 1	21.33	23.23	0.210	30.00	-6.77
	256-QAM	3514.98	1.90	1 / 90	18.40	20.30	0.107	30.00	-9.70
80 MHz	π/2 BPSK	3490.02	1.90	1 / 1	23.16	25.06	0.321	30.00	-4.94
		3500.01	1.90	1 / 215	23.05	24.95	0.313	30.00	-5.05
		3510.00	1.90	1 / 108	23.14	25.04	0.319	30.00	-4.96
	QPSK	3490.02	1.90	1 / 108	23.22	25.12	0.325	30.00	-4.88
		3500.01	1.90	1 / 1	23.30	**25.20**	0.331	30.00	-4.80
		3510.00	1.90	1 / 108	23.07	24.97	0.314	30.00	-5.03
	16-QAM	3490.02	1.90	1 / 215	22.31	24.21	0.264	30.00	-5.79
	64-QAM	3510.00	1.90	1 / 108	21.30	23.20	0.209	30.00	-6.80
	256-QAM	3490.02	1.90	1 / 108	18.43	20.33	0.108	30.00	-9.67
90 MHz	π/2 BPSK	3495.00	1.90	1 / 243	23.30	**25.20**	0.331	30.00	-4.80
		3500.01	1.90	1 / 243	23.29	25.19	0.330	30.00	-4.81
		3504.99	1.90	1 / 243	23.14	25.04	0.319	30.00	-4.96
	QPSK	3495.00	1.90	1 / 1	23.26	25.16	0.328	30.00	-4.84
		3500.01	1.90	1 / 243	23.12	25.02	0.318	30.00	-4.98
		3504.99	1.90	1 / 120	23.16	25.06	0.321	30.00	-4.94
	16-QAM	3495.00	1.90	1 / 1	22.20	24.10	0.257	30.00	-5.90
	64-QAM	3504.99	1.90	1 / 1	21.26	23.16	0.207	30.00	-6.84
	256-QAM	3495.00	1.90	1 / 243	18.38	20.28	0.107	30.00	-9.72
100 MHz	π/2 BPSK	3500.01	1.90	1 / 271	23.01	24.91	0.310	30.00	-5.09
	QPSK	3500.01	1.90	1 / 1	23.09	**24.99**	0.316	30.00	-5.01
	16-QAM	3500.01	1.90	1 / 135	22.26	24.16	0.261	30.00	-5.84
	64-QAM	3500.01	1.90	1 / 1	21.26	23.16	0.207	30.00	-6.84
	256-QAM	3500.01	1.90	1 / 1	18.37	20.27	0.106	30.00	-9.73

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.90	1 / 12	23.10	**25.00**	0.316	30.00	-5.00
		3500.01	1.90	1 / 12	23.24	25.14	0.327	30.00	-4.86
		3544.98	1.90	1 / 1	23.03	24.93	0.311	30.00	-5.07
	QPSK	3455.01	1.90	1 / 12	23.17	25.07	0.321	30.00	-4.93
		3500.01	1.90	1 / 12	23.30	**25.20**	0.331	30.00	-4.80
		3544.98	1.90	1 / 22	23.21	25.11	0.324	30.00	-4.89
	16-QAM	3455.01	1.90	1 / 22	22.30	24.20	0.263	30.00	-5.80
	64-QAM	3544.98	1.90	1 / 1	21.29	23.19	0.208	30.00	-6.81
	256-QAM	3455.01	1.90	1 / 1	18.42	20.32	0.108	30.00	-9.68
15 MHz	π/2 BPSK	3457.50	1.90	1 / 18	23.13	25.03	0.318	30.00	-4.97
		3500.01	1.90	1 / 36	23.30	**25.20**	0.331	30.00	-4.80
		3542.49	1.90	1 / 18	23.28	25.18	0.330	30.00	-4.82
	QPSK	3457.50	1.90	1 / 1	23.26	25.16	0.328	30.00	-4.84
		3500.01	1.90	1 / 1	23.10	25.00	0.316	30.00	-5.00
		3542.49	1.90	1 / 1	23.22	25.12	0.325	30.00	-4.88
	16-QAM	3500.01	1.90	1 / 36	22.29	24.19	0.262	30.00	-5.81
	64-QAM	3500.01	1.90	1 / 36	21.29	23.19	0.208	30.00	-6.81
	256-QAM	3500.01	1.90	1 / 18	18.34	20.24	0.106	30.00	-9.76
20 MHz	π/2 BPSK	3460.02	1.90	1 / 25	23.19	25.09	0.323	30.00	-4.91
		3500.01	1.90	1 / 49	23.30	**25.20**	0.331	30.00	-4.80
		3540.00	1.90	1 / 1	23.06	24.96	0.313	30.00	-5.04
	QPSK	3460.02	1.90	1 / 25	23.05	24.95	0.313	30.00	-5.05
		3500.01	1.90	1 / 25	23.05	24.95	0.313	30.00	-5.05
		3540.00	1.90	1 / 49	23.04	24.94	0.312	30.00	-5.06
	16-QAM	3500.01	1.90	1 / 25	22.24	24.14	0.259	30.00	-5.86
	64-QAM	3460.02	1.90	1 / 25	21.31	23.21	0.209	30.00	-6.79
	256-QAM	3460.02	1.90	1 / 1	18.39	20.29	0.107	30.00	-9.71
30 MHz	π/2 BPSK	3465.00	1.90	1 / 1	23.27	25.17	0.329	30.00	-4.83
		3500.01	1.90	1 / 36	23.30	**25.20**	0.331	30.00	-4.80
		3534.99	1.90	1 / 76	23.22	25.12	0.325	30.00	-4.88
	QPSK	3465.00	1.90	1 / 76	23.21	25.11	0.324	30.00	-4.89
		3500.01	1.90	1 / 76	23.07	24.97	0.314	30.00	-5.03
		3534.99	1.90	1 / 1	23.26	25.16	0.328	30.00	-4.84
	16-QAM	3465.00	1.90	1 / 36	22.31	24.21	0.264	30.00	-5.79
	64-QAM	3534.99	1.90	1 / 76	21.31	23.21	0.209	30.00	-6.79
	256-QAM	3500.01	1.90	1 / 76	18.39	20.29	0.107	30.00	-9.71
40 MHz	π/2 BPSK	3470.01	1.90	1 / 1	23.05	24.95	0.313	30.00	-5.05
		3500.01	1.90	1 / 1	23.00	24.90	0.309	30.00	-5.10
		3529.98	1.90	1 / 1	23.21	25.11	0.324	30.00	-4.89
	QPSK	3470.01	1.90	1 / 50	23.28	25.18	0.330	30.00	-4.82
		3500.01	1.90	1 / 50	23.00	24.90	0.309	30.00	-5.10
		3529.98	1.90	1 / 104	23.30	**25.20**	0.331	30.00	-4.80
	16-QAM	3529.98	1.90	1 / 1	22.29	24.19	0.262	30.00	-5.81
	64-QAM	3470.01	1.90	1 / 50	21.32	23.22	0.210	30.00	-6.78
	256-QAM	3529.98	1.90	1 / 50	18.42	20.32	0.108	30.00	-9.68
50 MHz	π/2 BPSK	3475.02	1.90	1 / 131	23.19	25.09	0.323	30.00	-4.91
		3500.01	1.90	1 / 131	23.06	24.96	0.313	30.00	-5.04
		3525.00	1.90	1 / 131	23.30	**25.20**	0.331	30.00	-4.80
	QPSK	3475.02	1.90	1 / 131	23.27	25.17	0.329	30.00	-4.83
		3500.01	1.90	1 / 131	23.30	**25.20**	0.331	30.00	-4.80
		3525.00	1.90	1 / 64	23.24	25.14	0.327	30.00	-4.86
	16-QAM	3475.02	1.90	1 / 131	22.23	24.13	0.259	30.00	-5.87
	64-QAM	3475.02	1.90	1 / 131	21.28	23.18	0.208	30.00	-6.82
	256-QAM	3475.02	1.90	1 / 1	18.39	20.29	0.107	30.00	-9.71
60 MHz	π/2 BPSK	3480.00	1.90	1 / 81	23.30	**25.20**	0.331	30.00	-4.80
		3500.01	1.90	1 / 1	23.09	24.99	0.316	30.00	-5.01
		3519.99	1.90	1 / 160	23.23	25.13	0.326	30.00	-4.87
	QPSK	3480.00	1.90	1 / 81	23.17	25.07	0.321	30.00	-4.93
		3500.01	1.90	1 / 1	23.09	24.99	0.316	30.00	-5.01
		3519.99	1.90	1 / 160	23.30	**25.20**	0.331	30.00	-4.80
	16-QAM	3500.01	1.90	1 / 160	22.32	24.22	0.264	30.00	-5.78
	64-QAM	3480.00	1.90	1 / 1	21.33	23.23	0.210	30.00	-6.77
	256-QAM	3480.00	1.90	1 / 1	18.39	20.29	0.107	30.00	-9.71
70 MHz	π/2 BPSK	3485.01	1.90	1 / 1	22.98	24.88	0.308	30.00	-5.12
		3500.01	1.90	1 / 1	23.30	**25.20**	0.331	30.00	-4.80
		3514.98	1.90	1 / 187	23.15	25.05	0.320	30.00	-4.95
	QPSK	3485.01	1.90	1 / 1	23.18	25.08	0.322	30.00	-4.92
		3500.01	1.90	1 / 187	23.18	25.08	0.322	30.00	-4.92
		3514.98	1.90	1 / 187	22.92	24.82	0.303	30.00	-5.18
	16-QAM	3514.98	1.90	1 / 187	22.15	24.05	0.254	30.00	-5.95
	64-QAM	3514.98	1.90	1 / 90	21.31	23.21	0.209	30.00	-6.79
	256-QAM	3514.98	1.90	1 / 187	18.40	20.30	0.107	30.00	-9.70
80 MHz	π/2 BPSK	3490.02	1.90	1 / 108	23.30	**25.20**	0.331	30.00	-4.80
		3500.01	1.90	1 / 1	23.09	24.99	0.316	30.00	-5.01
		3510.00	1.90	1 / 108	23.13	25.03	0.318	30.00	-4.97
	QPSK	3490.02	1.90	1 / 1	23.25	25.15	0.327	30.00	-4.85
		3500.01	1.90	1 / 215	23.30	**25.20**	0.331	30.00	-4.80
		3510.00	1.90	1 / 1	23.26	25.16	0.328	30.00	-4.84
	16-QAM	3490.02	1.90	1 / 108	22.29	24.19	0.262	30.00	-5.81
	64-QAM	3510.00	1.90	1 / 215	21.14	23.04	0.201	30.00	-6.96
	256-QAM	3490.02	1.90	1 / 215	18.40	20.30	0.107	30.00	-9.70
90 MHz	π/2 BPSK	3495.00	1.90	1 / 243	23.24	25.14	0.327	30.00	-4.86
		3500.01	1.90	1 / 120	23.06	24.96	0.313	30.00	-5.04
		3504.99	1.90	1 / 243	23.11	25.01	0.317	30.00	-4.99
	QPSK	3495.00	1.90	1 / 1	23.30	**25.20**	0.331	30.00	-4.80
		3500.01	1.90	1 / 243	23.12	25.02	0.318	30.00	-4.98
		3504.99	1.90	1 / 120	23.30	**25.20**	0.331	30.00	-4.80
	16-QAM	3495.00	1.90	1 / 120	22.37	24.27	0.267	30.00	-5.73
	64-QAM	3495.00	1.90	1 / 1	21.37	23.27	0.212	30.00	-6.73
	256-QAM	3504.99	1.90	1 / 243	18.48	20.38	0.109	30.00	-9.62
100 MHz	π/2 BPSK	3500.01	1.90	1 / 135	23.30	**25.20**	0.331	30.00	-4.80
	QPSK	3500.01	1.90	1 / 135	23.23	25.13	0.326	30.00	-4.87
	16-QAM	3500.01	1.90	1 / 1	22.29	24.19	0.262	30.00	-5.81
	64-QAM	3500.01	1.90	1 / 271	21.13	23.03	0.201	30.00	-6.97
	256-QAM	3500.01	1.90	1 / 135	18.10	20.00	0.100	30.00	-10.00

Table 7-7. Antenna 2 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	2.00	1 / 12	23.24	**25.24**	0.334	30.00	-4.76
		3840.00	2.00	1 / 22	23.23	25.23	0.333	30.00	-4.77
		3975.00	2.00	1 / 22	23.17	25.17	0.329	30.00	-4.83
	QPSK	3705.00	2.00	1 / 1	23.09	25.09	0.323	30.00	-4.91
		3840.00	2.00	1 / 1	23.25	25.25	0.335	30.00	-4.75
		3975.00	2.00	1 / 22	23.30	**25.30**	0.339	30.00	-4.70
	16-QAM	3705.00	2.00	1 / 12	22.23	24.23	0.265	30.00	-5.77
	64-QAM	3975.00	2.00	1 / 1	21.23	23.23	0.210	30.00	-6.77
	256-QAM	3705.00	2.00	1 / 1	18.43	20.43	0.110	30.00	-9.57
15 MHz	π/2 BPSK	3707.51	2.00	1 / 1	23.17	25.17	0.329	30.00	-4.83
		3840.00	2.00	1 / 18	23.21	25.21	0.332	30.00	-4.79
		3972.50	2.00	1 / 1	23.16	25.16	0.328	30.00	-4.84
	QPSK	3707.51	2.00	1 / 36	23.30	**25.30**	0.339	30.00	-4.70
		3840.00	2.00	1 / 1	23.27	25.27	0.337	30.00	-4.73
		3972.50	2.00	1 / 18	23.02	25.02	0.318	30.00	-4.98
	16-QAM	3972.50	2.00	1 / 1	22.32	24.32	0.270	30.00	-5.68
	64-QAM	3707.51	2.00	1 / 36	21.33	23.33	0.215	30.00	-6.67
	256-QAM	3972.50	2.00	1 / 18	18.43	20.43	0.110	30.00	-9.57
20 MHz	π/2 BPSK	3710.01	2.00	1 / 49	23.19	25.19	0.330	30.00	-4.81
		3840.00	2.00	1 / 1	23.17	25.17	0.329	30.00	-4.83
		3969.99	2.00	1 / 1	23.30	**25.30**	0.339	30.00	-4.70
	QPSK	3710.01	2.00	1 / 49	23.22	25.22	0.333	30.00	-4.78
		3840.00	2.00	1 / 1	23.23	25.23	0.333	30.00	-4.77
		3969.99	2.00	1 / 25	23.12	25.12	0.325	30.00	-4.88
	16-QAM	3969.99	2.00	1 / 1	22.34	24.34	0.272	30.00	-5.66
	64-QAM	3710.01	2.00	1 / 25	21.34	23.34	0.216	30.00	-6.66
	256-QAM	3710.01	2.00	1 / 1	18.41	20.41	0.110	30.00	-9.59
30 MHz	π/2 BPSK	3715.02	2.00	1 / 36	23.20	25.20	0.331	30.00	-4.80
		3840.00	2.00	1 / 1	23.01	25.01	0.317	30.00	-4.99
		3964.98	2.00	1 / 36	23.27	25.27	0.337	30.00	-4.73
	QPSK	3715.02	2.00	1 / 36	23.30	**25.30**	0.339	30.00	-4.70
		3840.00	2.00	1 / 1	23.08	25.08	0.322	30.00	-4.92
		3964.98	2.00	1 / 1	23.23	25.23	0.333	30.00	-4.77
	16-QAM	3840.00	2.00	1 / 76	22.31	24.31	0.270	30.00	-5.69
	64-QAM	3964.98	2.00	1 / 1	21.28	23.28	0.213	30.00	-6.72
	256-QAM	3964.98	2.00	1 / 76	18.35	20.35	0.108	30.00	-9.65
40 MHz	π/2 BPSK	3720.00	2.00	1 / 1	23.20	25.20	0.331	30.00	-4.80
		3840.00	2.00	1 / 104	23.30	**25.30**	0.339	30.00	-4.70
		3960.00	2.00	1 / 50	23.00	25.00	0.316	30.00	-5.00
	QPSK	3720.00	2.00	1 / 50	23.21	25.21	0.332	30.00	-4.79
		3840.00	2.00	1 / 50	23.14	25.14	0.327	30.00	-4.86
		3960.00	2.00	1 / 1	23.04	25.04	0.319	30.00	-4.96
	16-QAM	3720.00	2.00	1 / 50	22.27	24.27	0.267	30.00	-5.73
	64-QAM	3960.00	2.00	1 / 1	21.31	23.31	0.214	30.00	-6.69
	256-QAM	3840.00	2.00	1 / 50	18.42	20.42	0.110	30.00	-9.58
50 MHz	π/2 BPSK	3725.01	2.00	1 / 1	23.20	25.20	0.331	30.00	-4.80
		3840.00	2.00	1 / 64	23.20	25.20	0.331	30.00	-4.80
		3954.99	2.00	1 / 1	23.12	25.12	0.325	30.00	-4.88
	QPSK	3725.01	2.00	1 / 1	23.18	25.18	0.330	30.00	-4.82
		3840.00	2.00	1 / 64	23.30	**25.30**	0.339	30.00	-4.70
		3954.99	2.00	1 / 1	23.15	25.15	0.327	30.00	-4.85
	16-QAM	3954.99	2.00	1 / 64	22.30	24.30	0.269	30.00	-5.70
	64-QAM	3840.00	2.00	1 / 1	21.26	23.26	0.212	30.00	-6.74
	256-QAM	3840.00	2.00	1 / 1	18.37	20.37	0.109	30.00	-9.63
60 MHz	π/2 BPSK	3730.02	2.00	1 / 1	23.19	25.19	0.330	30.00	-4.81
		3840.00	2.00	1 / 81	23.30	**25.30**	0.339	30.00	-4.70
		3949.98	2.00	1 / 160	23.24	25.24	0.334	30.00	-4.76
	QPSK	3730.02	2.00	1 / 160	23.26	25.26	0.336	30.00	-4.74
		3840.00	2.00	1 / 160	23.29	25.29	0.338	30.00	-4.71
		3949.98	2.00	1 / 81	23.29	25.29	0.338	30.00	-4.71
	16-QAM	3730.02	2.00	1 / 1	22.30	24.30	0.269	30.00	-5.70
	64-QAM	3949.98	2.00	1 / 81	21.37	23.37	0.217	30.00	-6.63
	256-QAM	3949.98	2.00	1 / 160	18.50	20.50	0.112	30.00	-9.50
70 MHz	π/2 BPSK	3735.00	2.00	1 / 90	23.11	25.11	0.324	30.00	-4.89
		3840.00	2.00	1 / 90	22.95	24.95	0.313	30.00	-5.05
		3945.00	2.00	1 / 1	23.09	25.09	0.323	30.00	-4.91
	QPSK	3735.00	2.00	1 / 90	23.30	**25.30**	0.339	30.00	-4.70
		3840.00	2.00	1 / 90	23.28	25.28	0.337	30.00	-4.72
		3945.00	2.00	1 / 187	23.28	25.28	0.337	30.00	-4.72
	16-QAM	3840.00	2.00	1 / 187	22.29	24.29	0.269	30.00	-5.71
	64-QAM	3735.00	2.00	1 / 1	21.31	23.31	0.214	30.00	-6.69
	256-QAM	3945.00	2.00	1 / 90	18.42	20.42	0.110	30.00	-9.58
80 MHz	π/2 BPSK	3740.01	2.00	1 / 215	23.18	25.18	0.330	30.00	-4.82
		3840.00	2.00	1 / 1	23.30	**25.30**	0.339	30.00	-4.70
		3939.99	2.00	1 / 1	23.02	25.02	0.318	30.00	-4.98
	QPSK	3740.01	2.00	1 / 108	23.18	25.18	0.330	30.00	-4.82
		3840.00	2.00	1 / 215	23.30	**25.30**	0.339	30.00	-4.70
		3939.99	2.00	1 / 108	23.29	25.29	0.338	30.00	-4.71
	16-QAM	3740.01	2.00	1 / 1	22.30	24.30	0.269	30.00	-5.70
	64-QAM	3939.99	2.00	1 / 215	21.26	23.26	0.212	30.00	-6.74
	256-QAM	3840.00	2.00	1 / 215	18.39	20.39	0.109	30.00	-9.61
90 MHz	π/2 BPSK	3745.02	2.00	1 / 120	23.14	25.14	0.327	30.00	-4.86
		3840.00	2.00	1 / 120	23.17	25.17	0.329	30.00	-4.83
		3934.98	2.00	1 / 120	23.30	**25.30**	0.339	30.00	-4.70
	QPSK	3745.02	2.00	1 / 120	23.30	**25.30**	0.339	30.00	-4.70
		3840.00	2.00	1 / 1	23.29	25.29	0.338	30.00	-4.71
		3934.98	2.00	1 / 1	23.26	25.26	0.336	30.00	-4.74
	16-QAM	3934.98	2.00	1 / 120	22.28	24.28	0.268	30.00	-5.72
	64-QAM	3934.98	2.00	1 / 120	21.30	23.30	0.214	30.00	-6.70
	256-QAM	3745.02	2.00	1 / 120	18.29	20.29	0.107	30.00	-9.71
100 MHz	π/2 BPSK	3750.00	2.00	1 / 271	23.09	25.09	0.323	30.00	-4.91
		3840.00	2.00	1 / 1	23.21	25.21	0.332	30.00	-4.79
		3930.00	2.00	1 / 1	23.19	25.19	0.330	30.00	-4.81
	QPSK	3750.00	2.00	1 / 135	23.30	**25.30**	0.339	30.00	-4.70
		3840.00	2.00	1 / 1	23.28	25.28	0.337	30.00	-4.72
		3930.00	2.00	1 / 271	23.26	25.26	0.336	30.00	-4.74
	16-QAM	3930.00	2.00	1 / 1	22.29	24.29	0.269	30.00	-5.71
	64-QAM	3750.00	2.00	1 / 135	21.31	23.31	0.214	30.00	-6.69
	256-QAM	3750.00	2.00	1 / 271	18.39	20.39	0.109	30.00	-9.61

Table 7-8. Antenna 2 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	2.00	1 / 22	23.22	**25.22**	0.333	30.00	-4.78
		3840.00	2.00	1 / 12	23.19	25.19	0.330	30.00	-4.81
		3975.00	2.00	1 / 1	23.30	**25.30**	0.339	30.00	-4.70
	QPSK	3705.00	2.00	1 / 1	23.17	25.17	0.329	30.00	-4.83
		3840.00	2.00	1 / 1	23.26	25.26	0.336	30.00	-4.74
		3975.00	2.00	1 / 12	23.22	25.22	0.333	30.00	-4.78
	16-QAM	3975.00	2.00	1 / 22	22.32	24.32	0.270	30.00	-5.68
	64-QAM	3840.00	2.00	1 / 22	21.27	23.27	0.212	30.00	-6.73
	256-QAM	3705.00	2.00	1 / 12	18.33	20.33	0.108	30.00	-9.67
15 MHz	π/2 BPSK	3707.51	2.00	1 / 36	23.30	**25.30**	0.339	30.00	-4.70
		3840.00	2.00	1 / 18	23.05	25.05	0.320	30.00	-4.95
		3972.50	2.00	1 / 1	22.96	24.96	0.313	30.00	-5.04
	QPSK	3707.51	2.00	1 / 1	23.30	**25.30**	0.339	30.00	-4.70
		3840.00	2.00	1 / 1	23.03	25.03	0.318	30.00	-4.97
		3972.50	2.00	1 / 1	23.26	25.26	0.336	30.00	-4.74
	16-QAM	3972.50	2.00	1 / 18	22.28	24.28	0.268	30.00	-5.72
	64-QAM	3840.00	2.00	1 / 1	21.28	23.28	0.213	30.00	-6.72
	256-QAM	3840.00	2.00	1 / 36	18.19	20.19	0.104	30.00	-9.81
20 MHz	π/2 BPSK	3710.01	2.00	1 / 49	23.28	25.28	0.337	30.00	-4.72
		3840.00	2.00	1 / 25	23.30	**25.30**	0.339	30.00	-4.70
		3969.99	2.00	1 / 25	23.29	25.29	0.338	30.00	-4.71
	QPSK	3710.01	2.00	1 / 49	23.22	25.22	0.333	30.00	-4.78
		3840.00	2.00	1 / 1	23.10	25.10	0.324	30.00	-4.90
		3969.99	2.00	1 / 25	23.19	25.19	0.330	30.00	-4.81
	16-QAM	3840.00	2.00	1 / 49	22.32	24.32	0.270	30.00	-5.68
	64-QAM	3710.01	2.00	1 / 49	21.41	23.41	0.219	30.00	-6.59
	256-QAM	3969.99	2.00	1 / 1	18.47	20.47	0.111	30.00	-9.53
30 MHz	π/2 BPSK	3715.02	2.00	1 / 76	23.15	25.15	0.327	30.00	-4.85
		3840.00	2.00	1 / 1	23.27	25.27	0.337	30.00	-4.73
		3964.98	2.00	1 / 1	23.11	25.11	0.324	30.00	-4.89
	QPSK	3715.02	2.00	1 / 1	23.21	25.21	0.332	30.00	-4.79
		3840.00	2.00	1 / 76	23.15	25.15	0.327	30.00	-4.85
		3964.98	2.00	1 / 76	23.30	**25.30**	0.339	30.00	-4.70
	16-QAM	3715.02	2.00	1 / 1	22.36	24.36	0.273	30.00	-5.64
	64-QAM	3715.02	2.00	1 / 36	21.36	23.36	0.217	30.00	-6.64
	256-QAM	3840.00	2.00	1 / 76	18.43	20.43	0.110	30.00	-9.57
40 MHz	π/2 BPSK	3720.00	2.00	1 / 1	23.28	25.28	0.337	30.00	-4.72
		3840.00	2.00	1 / 50	23.30	**25.30**	0.339	30.00	-4.70
		3960.00	2.00	1 / 50	23.28	25.28	0.337	30.00	-4.72
	QPSK	3720.00	2.00	1 / 1	23.16	25.16	0.328	30.00	-4.84
		3840.00	2.00	1 / 1	23.08	25.08	0.322	30.00	-4.92
		3960.00	2.00	1 / 50	23.26	25.26	0.336	30.00	-4.74
	16-QAM	3720.00	2.00	1 / 50	22.30	24.30	0.269	30.00	-5.70
	64-QAM	3840.00	2.00	1 / 1	21.32	23.32	0.215	30.00	-6.68
	256-QAM	3840.00	2.00	1 / 1	18.42	20.42	0.110	30.00	-9.58
50 MHz	π/2 BPSK	3725.01	2.00	1 / 131	23.28	25.28	0.337	30.00	-4.72
		3840.00	2.00	1 / 64	23.20	25.20	0.331	30.00	-4.80
		3954.99	2.00	1 / 131	23.23	25.23	0.333	30.00	-4.77
	QPSK	3725.01	2.00	1 / 64	23.09	25.09	0.323	30.00	-4.91
		3840.00	2.00	1 / 131	23.30	**25.30**	0.339	30.00	-4.70
		3954.99	2.00	1 / 1	23.26	25.26	0.336	30.00	-4.74
	16-QAM	3725.01	2.00	1 / 64	22.30	24.30	0.269	30.00	-5.70
	64-QAM	3725.01	2.00	1 / 64	21.30	23.30	0.214	30.00	-6.70
	256-QAM	3954.99	2.00	1 / 131	18.42	20.42	0.110	30.00	-9.58
60 MHz	π/2 BPSK	3730.02	2.00	1 / 160	23.13	25.13	0.326	30.00	-4.87
		3840.00	2.00	1 / 1	23.08	25.08	0.322	30.00	-4.92
		3949.98	2.00	1 / 1	23.30	**25.30**	0.339	30.00	-4.70
	QPSK	3730.02	2.00	1 / 160	23.22	25.22	0.333	30.00	-4.78
		3840.00	2.00	1 / 160	23.21	25.21	0.332	30.00	-4.79
		3949.98	2.00	1 / 160	23.01	25.01	0.317	30.00	-4.99
	16-QAM	3730.02	2.00	1 / 160	22.29	24.29	0.269	30.00	-5.71
	64-QAM	3949.98	2.00	1 / 160	21.28	23.28	0.213	30.00	-6.72
	256-QAM	3840.00	2.00	1 / 1	18.32	20.32	0.108	30.00	-9.68
70 MHz	π/2 BPSK	3735.00	2.00	1 / 187	23.14	25.14	0.327	30.00	-4.86
		3840.00	2.00	1 / 90	23.24	25.24	0.334	30.00	-4.76
		3945.00	2.00	1 / 90	23.30	**25.30**	0.339	30.00	-4.70
	QPSK	3735.00	2.00	1 / 187	23.18	25.18	0.330	30.00	-4.82
		3840.00	2.00	1 / 90	23.17	25.17	0.329	30.00	-4.83
		3945.00	2.00	1 / 1	23.13	25.13	0.326	30.00	-4.87
	16-QAM	3840.00	2.00	1 / 187	22.26	24.26	0.267	30.00	-5.74
	64-QAM	3735.00	2.00	1 / 90	21.13	23.13	0.206	30.00	-6.87
	256-QAM	3945.00	2.00	1 / 90	18.40	20.40	0.110	30.00	-9.60
80 MHz	π/2 BPSK	3740.01	2.00	1 / 1	23.17	25.17	0.329	30.00	-4.83
		3840.00	2.00	1 / 108	23.30	**25.30**	0.339	30.00	-4.70
		3939.99	2.00	1 / 215	23.20	25.20	0.331	30.00	-4.80
	QPSK	3740.01	2.00	1 / 215	23.27	25.27	0.337	30.00	-4.73
		3840.00	2.00	1 / 215	23.16	25.16	0.328	30.00	-4.84
		3939.99	2.00	1 / 215	23.14	25.14	0.327	30.00	-4.86
	16-QAM	3840.00	2.00	1 / 108	22.28	24.28	0.268	30.00	-5.72
	64-QAM	3840.00	2.00	1 / 215	21.30	23.30	0.214	30.00	-6.70
	256-QAM	3740.01	2.00	1 / 108	18.36	20.36	0.109	30.00	-9.64
90 MHz	π/2 BPSK	3745.02	2.00	1 / 120	23.30	**25.30**	0.339	30.00	-4.70
		3840.00	2.00	1 / 243	23.19	25.19	0.330	30.00	-4.81
		3934.98	2.00	1 / 243	23.30	**25.30**	0.339	30.00	-4.70
	QPSK	3745.02	2.00	1 / 1	23.17	25.17	0.329	30.00	-4.83
		3840.00	2.00	1 / 120	23.24	25.24	0.334	30.00	-4.76
		3934.98	2.00	1 / 120	23.24	25.24	0.334	30.00	-4.76
	16-QAM	3745.02	2.00	1 / 120	22.31	24.31	0.270	30.00	-5.69
	64-QAM	3934.98	2.00	1 / 243	21.27	23.27	0.212	30.00	-6.73
	256-QAM	3745.02	2.00	1 / 1	18.39	20.39	0.109	30.00	-9.61
100 MHz	π/2 BPSK	3750.00	2.00	1 / 1	23.21	25.21	0.332	30.00	-4.79
		3840.00	2.00	1 / 135	23.30	**25.30**	0.339	30.00	-4.70
		3930.00	2.00	1 / 271	23.24	25.24	0.334	30.00	-4.76
	QPSK	3750.00	2.00	1 / 271	23.25	25.25	0.335	30.00	-4.75
		3840.00	2.00	1 / 1	23.17	25.17	0.329	30.00	-4.83
		3930.00	2.00	1 / 1	23.18	25.18	0.330	30.00	-4.82
	16-QAM	3750.00	2.00	1 / 1	22.27	24.27	0.267	30.00	-5.73
	64-QAM	3750.00	2.00	1 / 135	21.36	23.36	0.217	30.00	-6.64
	256-QAM	3840.00	2.00	1 / 271	18.37	20.37	0.109	30.00	-9.63

Table 7-9. Antenna 2 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	-2.90	1 / 22	26.09	**23.19**	0.208	30.00	-6.81
		3500.01	-2.90	1 / 12	26.16	23.26	0.212	30.00	-6.74
		3544.98	-2.90	1 / 12	26.04	23.14	0.206	30.00	-6.86
	QPSK	3455.01	-2.90	1 / 1	26.17	23.27	0.212	30.00	-6.73
		3500.01	-2.90	1 / 1	26.30	**23.40**	0.219	30.00	-6.60
		3544.98	-2.90	1 / 1	26.21	23.31	0.214	30.00	-6.69
	16-QAM	3455.01	-2.90	1 / 12	25.32	22.42	0.175	30.00	-7.58
	64-QAM	3500.01	-2.90	1 / 1	24.27	21.37	0.137	30.00	-8.63
	256-QAM	3544.98	-2.90	1 / 12	21.42	18.52	0.071	30.00	-11.48
15 MHz	π/2 BPSK	3457.50	-2.90	1 / 36	26.29	23.39	0.218	30.00	-6.61
		3500.01	-2.90	1 / 18	26.17	23.27	0.212	30.00	-6.73
		3542.49	-2.90	1 / 36	26.30	**23.40**	0.219	30.00	-6.60
	QPSK	3457.50	-2.90	1 / 1	26.26	23.36	0.217	30.00	-6.64
		3500.01	-2.90	1 / 1	26.16	23.26	0.212	30.00	-6.74
		3542.49	-2.90	1 / 36	26.26	23.36	0.217	30.00	-6.64
	16-QAM	3500.01	-2.90	1 / 1	25.32	22.42	0.175	30.00	-7.58
	64-QAM	3457.50	-2.90	1 / 18	24.31	21.41	0.138	30.00	-8.59
	256-QAM	3500.01	-2.90	1 / 18	21.42	18.52	0.071	30.00	-11.48
20 MHz	π/2 BPSK	3460.02	-2.90	1 / 25	26.19	23.29	0.213	30.00	-6.71
		3500.01	-2.90	1 / 49	26.26	23.36	0.217	30.00	-6.64
		3540.00	-2.90	1 / 49	26.10	23.20	0.209	30.00	-6.80
	QPSK	3460.02	-2.90	1 / 1	26.30	**23.40**	0.219	30.00	-6.60
		3500.01	-2.90	1 / 25	25.94	23.04	0.201	30.00	-6.96
		3540.00	-2.90	1 / 1	26.22	23.32	0.215	30.00	-6.68
	16-QAM	3500.01	-2.90	1 / 49	25.32	22.42	0.175	30.00	-7.58
	64-QAM	3540.00	-2.90	1 / 1	24.32	21.42	0.139	30.00	-8.58
	256-QAM	3540.00	-2.90	1 / 1	21.41	18.51	0.071	30.00	-11.49
30 MHz	π/2 BPSK	3465.00	-2.90	1 / 36	26.12	23.22	0.210	30.00	-6.78
		3500.01	-2.90	1 / 36	26.23	23.33	0.215	30.00	-6.67
		3534.99	-2.90	1 / 76	26.16	23.26	0.212	30.00	-6.74
	QPSK	3465.00	-2.90	1 / 1	26.29	23.39	0.218	30.00	-6.61
		3500.01	-2.90	1 / 76	26.21	23.31	0.214	30.00	-6.69
		3534.99	-2.90	1 / 76	26.30	**23.40**	0.219	30.00	-6.60
	16-QAM	3465.00	-2.90	1 / 1	25.26	22.36	0.172	30.00	-7.64
	64-QAM	3534.99	-2.90	1 / 36	24.28	21.38	0.137	30.00	-8.62
	256-QAM	3465.00	-2.90	1 / 36	21.36	18.46	0.070	30.00	-11.54
40 MHz	π/2 BPSK	3470.01	-2.90	1 / 50	26.30	**23.40**	0.219	30.00	-6.60
		3500.01	-2.90	1 / 50	26.08	23.18	0.208	30.00	-6.82
		3529.98	-2.90	1 / 50	26.15	23.25	0.211	30.00	-6.75
	QPSK	3470.01	-2.90	1 / 104	26.14	23.24	0.211	30.00	-6.76
		3500.01	-2.90	1 / 50	26.17	23.27	0.212	30.00	-6.73
		3529.98	-2.90	1 / 1	26.26	23.36	0.217	30.00	-6.64
	16-QAM	3470.01	-2.90	1 / 1	25.25	22.35	0.172	30.00	-7.65
	64-QAM	3500.01	-2.90	1 / 104	24.31	21.41	0.138	30.00	-8.59
	256-QAM	3500.01	-2.90	1 / 50	21.36	18.46	0.070	30.00	-11.54
50 MHz	π/2 BPSK	3475.02	-2.90	1 / 1	26.26	23.36	0.217	30.00	-6.64
		3500.01	-2.90	1 / 64	26.30	**23.40**	0.219	30.00	-6.60
		3525.00	-2.90	1 / 1	26.25	23.35	0.216	30.00	-6.65
	QPSK	3475.02	-2.90	1 / 1	26.18	23.28	0.213	30.00	-6.72
		3500.01	-2.90	1 / 131	26.16	23.26	0.212	30.00	-6.74
		3525.00	-2.90	1 / 131	26.18	23.28	0.213	30.00	-6.72
	16-QAM	3525.00	-2.90	1 / 1	25.26	22.36	0.172	30.00	-7.64
	64-QAM	3525.00	-2.90	1 / 64	24.27	21.37	0.137	30.00	-8.63
	256-QAM	3525.00	-2.90	1 / 64	21.34	18.44	0.070	30.00	-11.56
60 MHz	π/2 BPSK	3480.00	-2.90	1 / 1	26.22	23.32	0.215	30.00	-6.68
		3500.01	-2.90	1 / 81	26.09	23.19	0.208	30.00	-6.81
		3519.99	-2.90	1 / 81	26.30	**23.40**	0.219	30.00	-6.60
	QPSK	3480.00	-2.90	1 / 1	26.26	23.36	0.217	30.00	-6.64
		3500.01	-2.90	1 / 160	26.19	23.29	0.213	30.00	-6.71
		3519.99	-2.90	1 / 160	26.01	23.11	0.205	30.00	-6.89
	16-QAM	3480.00	-2.90	1 / 1	25.26	22.36	0.172	30.00	-7.64
	64-QAM	3519.99	-2.90	1 / 1	24.32	21.42	0.139	30.00	-8.58
	256-QAM	3480.00	-2.90	1 / 160	21.26	18.36	0.069	30.00	-11.64
70 MHz	π/2 BPSK	3485.01	-2.90	1 / 1	26.27	23.37	0.217	30.00	-6.63
		3500.01	-2.90	1 / 187	26.20	23.30	0.214	30.00	-6.70
		3514.98	-2.90	1 / 1	26.30	**23.40**	0.219	30.00	-6.60
	QPSK	3485.01	-2.90	1 / 90	26.26	23.36	0.217	30.00	-6.64
		3500.01	-2.90	1 / 90	26.25	23.35	0.216	30.00	-6.65
		3514.98	-2.90	1 / 1	26.24	23.34	0.216	30.00	-6.66
	16-QAM	3500.01	-2.90	1 / 1	25.29	22.39	0.173	30.00	-7.61
	64-QAM	3514.98	-2.90	1 / 90	24.27	21.37	0.137	30.00	-8.63
	256-QAM	3500.01	-2.90	1 / 90	21.41	18.51	0.071	30.00	-11.49
80 MHz	π/2 BPSK	3490.02	-2.90	1 / 1	26.27	23.37	0.217	30.00	-6.63
		3500.01	-2.90	1 / 1	26.27	23.37	0.217	30.00	-6.63
		3510.00	-2.90	1 / 1	26.13	23.23	0.210	30.00	-6.77
	QPSK	3490.02	-2.90	1 / 1	26.07	23.17	0.207	30.00	-6.83
		3500.01	-2.90	1 / 108	26.30	**23.40**	0.219	30.00	-6.60
		3510.00	-2.90	1 / 215	26.25	23.35	0.216	30.00	-6.65
	16-QAM	3510.00	-2.90	1 / 1	25.23	22.33	0.171	30.00	-7.67
	64-QAM	3490.02	-2.90	1 / 1	24.31	21.41	0.138	30.00	-8.59
	256-QAM	3500.01	-2.90	1 / 1	21.40	18.50	0.071	30.00	-11.50
90 MHz	π/2 BPSK	3495.00	-2.90	1 / 120	26.15	23.25	0.211	30.00	-6.75
		3500.01	-2.90	1 / 1	26.13	23.23	0.210	30.00	-6.77
		3504.99	-2.90	1 / 1	26.29	23.39	0.218	30.00	-6.61
	QPSK	3495.00	-2.90	1 / 1	26.23	23.33	0.215	30.00	-6.67
		3500.01	-2.90	1 / 243	26.29	23.39	0.218	30.00	-6.61
		3504.99	-2.90	1 / 243	26.30	**23.40**	0.219	30.00	-6.60
	16-QAM	3495.00	-2.90	1 / 120	25.24	22.34	0.171	30.00	-7.66
	64-QAM	3504.99	-2.90	1 / 1	24.24	21.34	0.136	30.00	-8.66
	256-QAM	3495.00	-2.90	1 / 1	21.40	18.50	0.071	30.00	-11.50
100 MHz	π/2 BPSK	3500.01	-2.90	1 / 135	26.08	23.18	0.208	30.00	-6.82
	QPSK	3500.01	-2.90	1 / 135	26.29	**23.39**	0.218	30.00	-6.61
	16-QAM	3500.01	-2.90	1 / 271	25.35	22.45	0.176	30.00	-7.55
	64-QAM	3500.01	-2.90	1 / 271	24.35	21.45	0.140	30.00	-8.55
	256-QAM	3500.01	-2.90	1 / 1	21.40	18.50	0.071	30.00	-11.50

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	-2.90	1 / 12	25.62	**22.72**	0.187	30.00	-7.28
		3500.01	-2.90	1 / 22	25.70	**22.80**	0.191	30.00	-7.20
		3544.98	-2.90	1 / 22	25.67	22.77	0.189	30.00	-7.23
	QPSK	3455.01	-2.90	1 / 1	25.66	22.76	0.189	30.00	-7.24
		3500.01	-2.90	1 / 1	25.68	22.78	0.190	30.00	-7.22
		3544.98	-2.90	1 / 12	25.70	**22.80**	0.191	30.00	-7.20
	16-QAM	3500.01	-2.90	1 / 12	24.67	21.77	0.150	30.00	-8.23
	64-QAM	3544.98	-2.90	1 / 22	23.70	20.80	0.120	30.00	-9.20
	256-QAM	3455.01	-2.90	1 / 22	20.78	17.88	0.061	30.00	-12.12
15 MHz	π/2 BPSK	3457.50	-2.90	1 / 1	25.49	22.59	0.182	30.00	-7.41
		3500.01	-2.90	1 / 18	25.69	22.79	0.190	30.00	-7.21
		3542.49	-2.90	1 / 36	25.50	22.60	0.182	30.00	-7.40
	QPSK	3457.50	-2.90	1 / 36	25.70	**22.80**	0.191	30.00	-7.20
		3500.01	-2.90	1 / 18	25.38	22.48	0.177	30.00	-7.52
		3542.49	-2.90	1 / 1	25.50	22.60	0.182	30.00	-7.40
	16-QAM	3457.50	-2.90	1 / 1	24.76	21.86	0.153	30.00	-8.14
	64-QAM	3500.01	-2.90	1 / 18	23.58	20.68	0.117	30.00	-9.32
	256-QAM	3457.50	-2.90	1 / 36	20.75	17.85	0.061	30.00	-12.15
20 MHz	π/2 BPSK	3460.02	-2.90	1 / 1	25.67	22.77	0.189	30.00	-7.23
		3500.01	-2.90	1 / 25	25.52	22.62	0.183	30.00	-7.38
		3540.00	-2.90	1 / 49	25.65	22.75	0.188	30.00	-7.25
	QPSK	3460.02	-2.90	1 / 25	25.64	22.74	0.188	30.00	-7.26
		3500.01	-2.90	1 / 25	25.45	22.55	0.180	30.00	-7.45
		3540.00	-2.90	1 / 1	25.70	**22.80**	0.191	30.00	-7.20
	16-QAM	3460.02	-2.90	1 / 1	24.68	21.78	0.151	30.00	-8.22
	64-QAM	3460.02	-2.90	1 / 49	23.64	20.74	0.119	30.00	-9.26
	256-QAM	3460.02	-2.90	1 / 1	20.71	17.81	0.060	30.00	-12.19
30 MHz	π/2 BPSK	3465.00	-2.90	1 / 36	25.57	22.67	0.185	30.00	-7.33
		3500.01	-2.90	1 / 36	25.68	22.78	0.190	30.00	-7.22
		3534.99	-2.90	1 / 76	25.66	22.76	0.189	30.00	-7.24
	QPSK	3465.00	-2.90	1 / 36	25.59	22.69	0.186	30.00	-7.31
		3500.01	-2.90	1 / 1	25.70	**22.80**	0.191	30.00	-7.20
		3534.99	-2.90	1 / 1	25.67	22.77	0.189	30.00	-7.23
	16-QAM	3500.01	-2.90	1 / 1	24.71	21.81	0.152	30.00	-8.19
	64-QAM	3534.99	-2.90	1 / 1	23.66	20.76	0.119	30.00	-9.24
	256-QAM	3534.99	-2.90	1 / 1	20.74	17.84	0.061	30.00	-12.16
40 MHz	π/2 BPSK	3470.01	-2.90	1 / 1	25.53	22.63	0.183	30.00	-7.37
		3500.01	-2.90	1 / 1	25.31	22.41	0.174	30.00	-7.59
		3529.98	-2.90	1 / 104	25.70	**22.80**	0.191	30.00	-7.20
	QPSK	3470.01	-2.90	1 / 50	25.54	22.64	0.184	30.00	-7.36
		3500.01	-2.90	1 / 104	25.62	22.72	0.187	30.00	-7.28
		3529.98	-2.90	1 / 1	25.62	22.72	0.187	30.00	-7.28
	16-QAM	3470.01	-2.90	1 / 104	24.62	21.72	0.149	30.00	-8.28
	64-QAM	3529.98	-2.90	1 / 104	23.63	20.73	0.118	30.00	-9.27
	256-QAM	3529.98	-2.90	1 / 104	20.78	17.88	0.061	30.00	-12.12
50 MHz	π/2 BPSK	3475.02	-2.90	1 / 64	25.51	22.61	0.182	30.00	-7.39
		3500.01	-2.90	1 / 64	25.59	22.69	0.186	30.00	-7.31
		3525.00	-2.90	1 / 64	25.50	22.60	0.182	30.00	-7.40
	QPSK	3475.02	-2.90	1 / 131	25.69	22.79	0.190	30.00	-7.21
		3500.01	-2.90	1 / 1	25.70	**22.80**	0.191	30.00	-7.20
		3525.00	-2.90	1 / 64	25.63	22.73	0.187	30.00	-7.27
	16-QAM	3475.02	-2.90	1 / 131	24.72	21.82	0.152	30.00	-8.18
	64-QAM	3500.01	-2.90	1 / 131	23.67	20.77	0.119	30.00	-9.23
	256-QAM	3475.02	-2.90	1 / 1	20.71	17.81	0.060	30.00	-12.19
60 MHz	π/2 BPSK	3480.00	-2.90	1 / 1	25.38	22.48	0.177	30.00	-7.52
		3500.01	-2.90	1 / 160	25.44	22.54	0.179	30.00	-7.46
		3519.99	-2.90	1 / 160	25.70	**22.80**	0.191	30.00	-7.20
	QPSK	3480.00	-2.90	1 / 1	25.67	22.77	0.189	30.00	-7.23
		3500.01	-2.90	1 / 81	25.46	22.56	0.180	30.00	-7.44
		3519.99	-2.90	1 / 81	25.64	22.74	0.188	30.00	-7.26
	16-QAM	3519.99	-2.90	1 / 81	24.68	21.78	0.151	30.00	-8.22
	64-QAM	3500.01	-2.90	1 / 81	23.67	20.77	0.119	30.00	-9.23
	256-QAM	3500.01	-2.90	1 / 160	20.79	17.89	0.062	30.00	-12.11
70 MHz	π/2 BPSK	3485.01	-2.90	1 / 90	25.41	22.51	0.178	30.00	-7.49
		3500.01	-2.90	1 / 1	25.67	22.77	0.189	30.00	-7.23
		3514.98	-2.90	1 / 90	25.70	**22.80**	0.191	30.00	-7.20
	QPSK	3485.01	-2.90	1 / 1	25.41	22.51	0.178	30.00	-7.49
		3500.01	-2.90	1 / 187	25.63	22.73	0.187	30.00	-7.27
		3514.98	-2.90	1 / 187	25.59	22.69	0.186	30.00	-7.31
	16-QAM	3500.01	-2.90	1 / 187	24.61	21.71	0.148	30.00	-8.29
	64-QAM	3485.01	-2.90	1 / 187	23.70	20.80	0.120	30.00	-9.20
	256-QAM	3514.98	-2.90	1 / 1	20.77	17.87	0.061	30.00	-12.13
80 MHz	π/2 BPSK	3490.02	-2.90	1 / 108	25.70	**22.80**	0.191	30.00	-7.20
		3500.01	-2.90	1 / 1	25.69	22.79	0.190	30.00	-7.21
		3510.00	-2.90	1 / 108	25.38	22.48	0.177	30.00	-7.52
	QPSK	3490.02	-2.90	1 / 108	25.53	22.63	0.183	30.00	-7.37
		3500.01	-2.90	1 / 1	25.56	22.66	0.185	30.00	-7.34
		3510.00	-2.90	1 / 1	25.70	**22.80**	0.191	30.00	-7.20
	16-QAM	3490.02	-2.90	1 / 108	24.70	21.80	0.151	30.00	-8.20
	64-QAM	3500.01	-2.90	1 / 108	23.66	20.76	0.119	30.00	-9.24
	256-QAM	3510.00	-2.90	1 / 1	20.79	17.89	0.062	30.00	-12.11
90 MHz	π/2 BPSK	3495.00	-2.90	1 / 120	25.60	22.70	0.186	30.00	-7.30
		3500.01	-2.90	1 / 243	25.51	22.61	0.182	30.00	-7.39
		3504.99	-2.90	1 / 243	25.55	22.65	0.184	30.00	-7.35
	QPSK	3495.00	-2.90	1 / 243	25.70	**22.80**	0.191	30.00	-7.20
		3500.01	-2.90	1 / 120	25.60	22.70	0.186	30.00	-7.30
		3504.99	-2.90	1 / 243	25.65	22.75	0.188	30.00	-7.25
	16-QAM	3500.01	-2.90	1 / 120	24.72	21.82	0.152	30.00	-8.18
	64-QAM	3504.99	-2.90	1 / 120	23.75	20.85	0.122	30.00	-9.15
	256-QAM	3500.01	-2.90	1 / 1	20.85	17.95	0.062	30.00	-12.05
100 MHz	π/2 BPSK	3500.01	-2.90	1 / 1	25.70	**22.80**	0.191	30.00	-7.20
	QPSK	3500.01	-2.90	1 / 271	25.47	22.57	0.181	30.00	-7.43
	16-QAM	3500.01	-2.90	1 / 271	24.59	21.69	0.148	30.00	-8.31
	64-QAM	3500.01	-2.90	1 / 1	23.44	20.54	0.113	30.00	-9.46
	256-QAM	3500.01	-2.90	1 / 271	20.75	17.85	0.061	30.00	-12.15

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	0.90	1 / 12	26.14	**27.04**	0.506	30.00	-2.96
		3840.00	0.90	1 / 1	26.30	**27.20**	0.525	30.00	-2.80
		3975.00	0.90	1 / 1	26.27	27.17	0.521	30.00	-2.83
	QPSK	3705.00	0.90	1 / 1	26.17	27.07	0.509	30.00	-2.93
		3840.00	0.90	1 / 1	26.09	26.99	0.500	30.00	-3.01
		3975.00	0.90	1 / 1	26.20	27.10	0.513	30.00	-2.90
	16-QAM	3840.00	0.90	1 / 22	25.29	26.19	0.416	30.00	-3.81
	64-QAM	3705.00	0.90	1 / 22	24.29	25.19	0.330	30.00	-4.81
	256-QAM	3705.00	0.90	1 / 1	21.41	22.31	0.170	30.00	-7.69
15 MHz	π/2 BPSK	3707.51	0.90	1 / 36	26.26	27.16	0.520	30.00	-2.84
		3840.00	0.90	1 / 1	26.16	27.06	0.508	30.00	-2.94
		3972.50	0.90	1 / 18	26.25	27.15	0.519	30.00	-2.85
	QPSK	3707.51	0.90	1 / 18	26.19	27.09	0.512	30.00	-2.91
		3840.00	0.90	1 / 1	26.30	**27.20**	0.525	30.00	-2.80
		3972.50	0.90	1 / 18	26.22	27.12	0.515	30.00	-2.88
	16-QAM	3707.51	0.90	1 / 18	25.18	26.08	0.406	30.00	-3.92
	64-QAM	3707.51	0.90	1 / 1	24.22	25.12	0.325	30.00	-4.88
	256-QAM	3972.50	0.90	1 / 1	21.41	22.31	0.170	30.00	-7.69
20 MHz	π/2 BPSK	3710.01	0.90	1 / 25	25.96	26.86	0.485	30.00	-3.14
		3840.00	0.90	1 / 49	26.13	27.03	0.505	30.00	-2.97
		3969.99	0.90	1 / 49	26.30	**27.20**	0.525	30.00	-2.80
	QPSK	3710.01	0.90	1 / 49	26.01	26.91	0.491	30.00	-3.09
		3840.00	0.90	1 / 25	26.29	27.19	0.524	30.00	-2.81
		3969.99	0.90	1 / 49	26.26	27.16	0.520	30.00	-2.84
	16-QAM	3969.99	0.90	1 / 1	25.29	26.19	0.416	30.00	-3.81
	64-QAM	3840.00	0.90	1 / 49	24.29	25.19	0.330	30.00	-4.81
	256-QAM	3710.01	0.90	1 / 25	21.39	22.29	0.169	30.00	-7.71
30 MHz	π/2 BPSK	3715.02	0.90	1 / 1	26.24	27.14	0.518	30.00	-2.86
		3840.00	0.90	1 / 76	26.26	27.16	0.520	30.00	-2.84
		3964.98	0.90	1 / 36	26.19	27.09	0.512	30.00	-2.91
	QPSK	3715.02	0.90	1 / 76	26.30	**27.20**	0.525	30.00	-2.80
		3840.00	0.90	1 / 1	26.13	27.03	0.505	30.00	-2.97
		3964.98	0.90	1 / 36	26.11	27.01	0.502	30.00	-2.99
	16-QAM	3964.98	0.90	1 / 36	25.31	26.21	0.418	30.00	-3.79
	64-QAM	3840.00	0.90	1 / 36	24.23	25.13	0.326	30.00	-4.87
	256-QAM	3964.98	0.90	1 / 76	21.38	22.28	0.169	30.00	-7.72
40 MHz	π/2 BPSK	3720.00	0.90	1 / 1	26.21	27.11	0.514	30.00	-2.89
		3840.00	0.90	1 / 104	26.05	26.95	0.495	30.00	-3.05
		3960.00	0.90	1 / 104	26.20	27.10	0.513	30.00	-2.90
	QPSK	3720.00	0.90	1 / 50	26.30	**27.20**	0.525	30.00	-2.80
		3840.00	0.90	1 / 1	26.21	27.11	0.514	30.00	-2.89
		3960.00	0.90	1 / 50	25.89	26.79	0.478	30.00	-3.21
	16-QAM	3720.00	0.90	1 / 50	25.22	26.12	0.409	30.00	-3.88
	64-QAM	3960.00	0.90	1 / 104	24.25	25.15	0.327	30.00	-4.85
	256-QAM	3720.00	0.90	1 / 104	21.36	22.26	0.168	30.00	-7.74
50 MHz	π/2 BPSK	3725.01	0.90	1 / 64	26.29	27.19	0.524	30.00	-2.81
		3840.00	0.90	1 / 64	26.18	27.08	0.511	30.00	-2.92
		3954.99	0.90	1 / 64	26.08	26.98	0.499	30.00	-3.02
	QPSK	3725.01	0.90	1 / 1	26.30	**27.20**	0.525	30.00	-2.80
		3840.00	0.90	1 / 131	26.12	27.02	0.504	30.00	-2.98
		3954.99	0.90	1 / 1	26.16	27.06	0.508	30.00	-2.94
	16-QAM	3725.01	0.90	1 / 1	25.27	26.17	0.414	30.00	-3.83
	64-QAM	3840.00	0.90	1 / 64	24.31	25.21	0.332	30.00	-4.79
	256-QAM	3725.01	0.90	1 / 64	21.45	22.35	0.172	30.00	-7.65
60 MHz	π/2 BPSK	3730.02	0.90	1 / 1	26.30	**27.20**	0.525	30.00	-2.80
		3840.00	0.90	1 / 1	26.28	27.18	0.522	30.00	-2.82
		3949.98	0.90	1 / 1	26.26	27.16	0.520	30.00	-2.84
	QPSK	3730.02	0.90	1 / 160	26.15	27.05	0.507	30.00	-2.95
		3840.00	0.90	1 / 160	26.01	26.91	0.491	30.00	-3.09
		3949.98	0.90	1 / 160	26.28	27.18	0.522	30.00	-2.82
	16-QAM	3730.02	0.90	1 / 81	25.31	26.21	0.418	30.00	-3.79
	64-QAM	3840.00	0.90	1 / 1	24.30	25.20	0.331	30.00	-4.80
	256-QAM	3840.00	0.90	1 / 160	21.39	22.29	0.169	30.00	-7.71
70 MHz	π/2 BPSK	3735.00	0.90	1 / 1	26.28	27.18	0.522	30.00	-2.82
		3840.00	0.90	1 / 187	26.15	27.05	0.507	30.00	-2.95
		3945.00	0.90	1 / 187	26.25	27.15	0.519	30.00	-2.85
	QPSK	3735.00	0.90	1 / 90	26.30	**27.20**	0.525	30.00	-2.80
		3840.00	0.90	1 / 1	26.14	27.04	0.506	30.00	-2.96
		3945.00	0.90	1 / 1	25.84	26.74	0.472	30.00	-3.26
	16-QAM	3735.00	0.90	1 / 1	25.29	26.19	0.416	30.00	-3.81
	64-QAM	3945.00	0.90	1 / 1	24.29	25.19	0.330	30.00	-4.81
	256-QAM	3840.00	0.90	1 / 90	21.35	22.25	0.168	30.00	-7.75
80 MHz	π/2 BPSK	3740.01	0.90	1 / 1	26.26	27.16	0.520	30.00	-2.84
		3840.00	0.90	1 / 1	26.28	27.18	0.522	30.00	-2.82
		3939.99	0.90	1 / 215	26.25	27.15	0.519	30.00	-2.85
	QPSK	3740.01	0.90	1 / 215	26.30	**27.20**	0.525	30.00	-2.80
		3840.00	0.90	1 / 108	26.15	27.05	0.507	30.00	-2.95
		3939.99	0.90	1 / 215	26.19	27.09	0.512	30.00	-2.91
	16-QAM	3939.99	0.90	1 / 215	25.34	26.24	0.421	30.00	-3.76
	64-QAM	3939.99	0.90	1 / 1	24.24	25.14	0.327	30.00	-4.86
	256-QAM	3939.99	0.90	1 / 1	21.43	22.33	0.171	30.00	-7.67
90 MHz	π/2 BPSK	3745.02	0.90	1 / 243	26.20	27.10	0.513	30.00	-2.90
		3840.00	0.90	1 / 120	26.07	26.97	0.498	30.00	-3.03
		3934.98	0.90	1 / 243	26.07	26.97	0.498	30.00	-3.03
	QPSK	3745.02	0.90	1 / 243	26.18	27.08	0.511	30.00	-2.92
		3840.00	0.90	1 / 1	26.23	27.13	0.516	30.00	-2.87
		3934.98	0.90	1 / 120	26.30	**27.20**	0.525	30.00	-2.80
	16-QAM	3840.00	0.90	1 / 243	25.32	26.22	0.419	30.00	-3.78
	64-QAM	3840.00	0.90	1 / 120	24.34	25.24	0.334	30.00	-4.76
	256-QAM	3934.98	0.90	1 / 1	21.42	22.32	0.171	30.00	-7.68
100 MHz	π/2 BPSK	3750.00	0.90	1 / 135	26.14	27.04	0.506	30.00	-2.96
		3840.00	0.90	1 / 271	26.16	27.06	0.508	30.00	-2.94
		3930.00	0.90	1 / 1	26.09	26.99	0.500	30.00	-3.01
	QPSK	3750.00	0.90	1 / 135	26.30	**27.20**	0.525	30.00	-2.80
		3840.00	0.90	1 / 271	26.14	27.04	0.506	30.00	-2.96
		3930.00	0.90	1 / 1	26.21	27.11	0.514	30.00	-2.89
	16-QAM	3930.00	0.90	1 / 1	25.18	26.08	0.406	30.00	-3.92
	64-QAM	3750.00	0.90	1 / 1	24.28	25.18	0.330	30.00	-4.82
	256-QAM	3930.00	0.90	1 / 135	21.32	22.22	0.167	30.00	-7.78

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	0.90	1 / 1	25.64	**26.54**	0.451	30.00	-3.46
		3840.00	0.90	1 / 12	25.57	26.47	0.444	30.00	-3.53
		3975.00	0.90	1 / 12	25.70	**26.60**	0.457	30.00	-3.40
	QPSK	3705.00	0.90	1 / 12	25.64	26.54	0.451	30.00	-3.46
		3840.00	0.90	1 / 12	25.69	26.59	0.456	30.00	-3.41
		3975.00	0.90	1 / 22	25.65	26.55	0.452	30.00	-3.45
	16-QAM	3975.00	0.90	1 / 22	24.78	25.68	0.370	30.00	-4.32
	64-QAM	3975.00	0.90	1 / 12	23.66	24.56	0.286	30.00	-5.44
	256-QAM	3840.00	0.90	1 / 1	20.74	21.64	0.146	30.00	-8.36
15 MHz	π/2 BPSK	3707.51	0.90	1 / 18	25.67	26.57	0.454	30.00	-3.43
		3840.00	0.90	1 / 36	25.70	**26.60**	0.457	30.00	-3.40
		3972.50	0.90	1 / 18	25.52	26.42	0.439	30.00	-3.58
	QPSK	3707.51	0.90	1 / 18	25.50	26.40	0.437	30.00	-3.60
		3840.00	0.90	1 / 36	25.65	26.55	0.452	30.00	-3.45
		3972.50	0.90	1 / 18	25.60	26.50	0.447	30.00	-3.50
	16-QAM	3707.51	0.90	1 / 36	24.62	25.52	0.356	30.00	-4.48
	64-QAM	3972.50	0.90	1 / 36	23.64	24.54	0.284	30.00	-5.46
	256-QAM	3840.00	0.90	1 / 36	20.72	21.62	0.145	30.00	-8.38
20 MHz	π/2 BPSK	3710.01	0.90	1 / 1	25.65	26.55	0.452	30.00	-3.45
		3840.00	0.90	1 / 49	25.63	26.53	0.450	30.00	-3.47
		3969.99	0.90	1 / 1	25.57	26.47	0.444	30.00	-3.53
	QPSK	3710.01	0.90	1 / 25	25.70	**26.60**	0.457	30.00	-3.40
		3840.00	0.90	1 / 25	25.69	26.59	0.456	30.00	-3.41
		3969.99	0.90	1 / 49	25.55	26.45	0.442	30.00	-3.55
	16-QAM	3840.00	0.90	1 / 1	24.73	25.63	0.366	30.00	-4.37
	64-QAM	3840.00	0.90	1 / 1	23.71	24.61	0.289	30.00	-5.39
	256-QAM	3840.00	0.90	1 / 49	20.80	21.70	0.148	30.00	-8.30
30 MHz	π/2 BPSK	3715.02	0.90	1 / 76	25.66	26.56	0.453	30.00	-3.44
		3840.00	0.90	1 / 36	25.41	26.31	0.428	30.00	-3.69
		3964.98	0.90	1 / 36	25.70	**26.60**	0.457	30.00	-3.40
	QPSK	3715.02	0.90	1 / 76	25.56	26.46	0.443	30.00	-3.54
		3840.00	0.90	1 / 76	25.70	**26.60**	0.457	30.00	-3.40
		3964.98	0.90	1 / 76	25.58	26.48	0.445	30.00	-3.52
	16-QAM	3840.00	0.90	1 / 76	24.69	25.59	0.362	30.00	-4.41
	64-QAM	3715.02	0.90	1 / 36	23.64	24.54	0.284	30.00	-5.46
	256-QAM	3964.98	0.90	1 / 36	20.68	21.58	0.144	30.00	-8.42
40 MHz	π/2 BPSK	3720.00	0.90	1 / 104	25.50	26.40	0.437	30.00	-3.60
		3840.00	0.90	1 / 50	25.68	26.58	0.455	30.00	-3.42
		3960.00	0.90	1 / 104	25.56	26.46	0.443	30.00	-3.54
	QPSK	3720.00	0.90	1 / 1	25.42	26.32	0.429	30.00	-3.68
		3840.00	0.90	1 / 1	25.64	26.54	0.451	30.00	-3.46
		3960.00	0.90	1 / 1	25.70	**26.60**	0.457	30.00	-3.40
	16-QAM	3960.00	0.90	1 / 104	24.64	25.54	0.358	30.00	-4.46
	64-QAM	3840.00	0.90	1 / 50	23.63	24.53	0.284	30.00	-5.47
	256-QAM	3840.00	0.90	1 / 50	20.78	21.68	0.147	30.00	-8.32
50 MHz	π/2 BPSK	3725.01	0.90	1 / 64	25.64	26.54	0.451	30.00	-3.46
		3840.00	0.90	1 / 1	25.56	26.46	0.443	30.00	-3.54
		3954.99	0.90	1 / 1	25.65	26.55	0.452	30.00	-3.45
	QPSK	3725.01	0.90	1 / 131	25.63	26.53	0.450	30.00	-3.47
		3840.00	0.90	1 / 1	25.65	26.55	0.452	30.00	-3.45
		3954.99	0.90	1 / 64	25.70	**26.60**	0.457	30.00	-3.40
	16-QAM	3954.99	0.90	1 / 131	24.72	25.62	0.365	30.00	-4.38
	64-QAM	3725.01	0.90	1 / 64	23.67	24.57	0.286	30.00	-5.43
	256-QAM	3840.00	0.90	1 / 131	20.78	21.68	0.147	30.00	-8.32
60 MHz	π/2 BPSK	3730.02	0.90	1 / 81	25.68	26.58	0.455	30.00	-3.42
		3840.00	0.90	1 / 81	25.50	26.40	0.437	30.00	-3.60
		3949.98	0.90	1 / 160	25.70	**26.60**	0.457	30.00	-3.40
	QPSK	3730.02	0.90	1 / 81	25.64	26.54	0.451	30.00	-3.46
		3840.00	0.90	1 / 1	25.70	**26.60**	0.457	30.00	-3.40
		3949.98	0.90	1 / 81	25.70	**26.60**	0.457	30.00	-3.40
	16-QAM	3730.02	0.90	1 / 160	24.56	25.46	0.352	30.00	-4.54
	64-QAM	3730.02	0.90	1 / 160	23.65	24.55	0.285	30.00	-5.45
	256-QAM	3730.02	0.90	1 / 81	20.72	21.62	0.145	30.00	-8.38
70 MHz	π/2 BPSK	3735.00	0.90	1 / 90	25.41	26.31	0.428	30.00	-3.69
		3840.00	0.90	1 / 187	25.58	26.48	0.445	30.00	-3.52
		3945.00	0.90	1 / 90	25.70	**26.60**	0.457	30.00	-3.40
	QPSK	3735.00	0.90	1 / 187	25.58	26.48	0.445	30.00	-3.52
		3840.00	0.90	1 / 187	25.68	26.58	0.455	30.00	-3.42
		3945.00	0.90	1 / 1	25.50	26.40	0.437	30.00	-3.60
	16-QAM	3840.00	0.90	1 / 187	24.67	25.57	0.361	30.00	-4.43
	64-QAM	3735.00	0.90	1 / 90	23.62	24.52	0.283	30.00	-5.48
	256-QAM	3945.00	0.90	1 / 1	20.77	21.67	0.147	30.00	-8.33
80 MHz	π/2 BPSK	3740.01	0.90	1 / 215	25.64	26.54	0.451	30.00	-3.46
		3840.00	0.90	1 / 215	25.70	**26.60**	0.457	30.00	-3.40
		3939.99	0.90	1 / 108	25.50	26.40	0.437	30.00	-3.60
	QPSK	3740.01	0.90	1 / 108	25.63	26.53	0.450	30.00	-3.47
		3840.00	0.90	1 / 215	25.56	26.46	0.443	30.00	-3.54
		3939.99	0.90	1 / 215	25.54	26.44	0.441	30.00	-3.56
	16-QAM	3740.01	0.90	1 / 1	24.71	25.61	0.364	30.00	-4.39
	64-QAM	3939.99	0.90	1 / 1	23.66	24.56	0.286	30.00	-5.44
	256-QAM	3939.99	0.90	1 / 1	20.78	21.68	0.147	30.00	-8.32
90 MHz	π/2 BPSK	3745.02	0.90	1 / 243	25.58	26.48	0.445	30.00	-3.52
		3840.00	0.90	1 / 243	25.55	26.45	0.442	30.00	-3.55
		3934.98	0.90	1 / 1	25.70	**26.60**	0.457	30.00	-3.40
	QPSK	3745.02	0.90	1 / 1	25.58	26.48	0.445	30.00	-3.52
		3840.00	0.90	1 / 243	25.40	26.30	0.427	30.00	-3.70
		3934.98	0.90	1 / 243	25.61	26.51	0.448	30.00	-3.49
	16-QAM	3840.00	0.90	1 / 1	24.79	25.69	0.371	30.00	-4.31
	64-QAM	3934.98	0.90	1 / 120	23.75	24.65	0.292	30.00	-5.35
	256-QAM	3934.98	0.90	1 / 1	20.88	21.78	0.151	30.00	-8.22
100 MHz	π/2 BPSK	3750.00	0.90	1 / 135	25.57	26.47	0.444	30.00	-3.53
		3840.00	0.90	1 / 135	25.52	26.42	0.439	30.00	-3.58
		3930.00	0.90	1 / 271	25.70	**26.60**	0.457	30.00	-3.40
	QPSK	3750.00	0.90	1 / 271	25.64	26.54	0.451	30.00	-3.46
		3840.00	0.90	1 / 271	25.68	26.58	0.455	30.00	-3.42
		3930.00	0.90	1 / 271	25.55	26.45	0.442	30.00	-3.55
	16-QAM	3930.00	0.90	1 / 135	24.73	25.63	0.366	30.00	-4.37
	64-QAM	3840.00	0.90	1 / 1	23.73	24.63	0.290	30.00	-5.37
	256-QAM	3930.00	0.90	1 / 1	20.76	21.66	0.147	30.00	-8.34

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	1.50	1 / 22	23.26	**24.76**	0.299	30.00	-5.24
		3500.01	1.50	1 / 22	22.87	24.37	0.274	30.00	-5.63
		3544.98	1.50	1 / 1	23.04	24.54	0.284	30.00	-5.46
	QPSK	3455.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3500.01	1.50	1 / 1	23.13	24.63	0.290	30.00	-5.37
		3544.98	1.50	1 / 22	23.20	24.70	0.295	30.00	-5.30
	16-QAM	3500.01	1.50	1 / 1	22.29	23.79	0.239	30.00	-6.21
	64-QAM	3455.01	1.50	1 / 22	21.16	22.66	0.185	30.00	-7.34
	256-QAM	3455.01	1.50	1 / 1	18.25	19.75	0.094	30.00	-10.25
15 MHz	π/2 BPSK	3457.50	1.50	1 / 36	23.12	24.62	0.290	30.00	-5.38
		3500.01	1.50	1 / 18	23.26	24.76	0.299	30.00	-5.24
		3542.49	1.50	1 / 36	23.26	24.76	0.299	30.00	-5.24
	QPSK	3457.50	1.50	1 / 36	23.27	24.77	0.300	30.00	-5.23
		3500.01	1.50	1 / 18	23.30	**24.80**	0.302	30.00	-5.20
		3542.49	1.50	1 / 36	23.28	24.78	0.301	30.00	-5.22
	16-QAM	3542.49	1.50	1 / 1	22.27	23.77	0.238	30.00	-6.23
	64-QAM	3542.49	1.50	1 / 1	21.31	22.81	0.191	30.00	-7.19
	256-QAM	3542.49	1.50	1 / 1	18.44	19.94	0.099	30.00	-10.06
20 MHz	π/2 BPSK	3460.02	1.50	1 / 1	23.22	24.72	0.296	30.00	-5.28
		3500.01	1.50	1 / 25	23.30	**24.80**	0.302	30.00	-5.20
		3540.00	1.50	1 / 49	23.13	24.63	0.290	30.00	-5.37
	QPSK	3460.02	1.50	1 / 25	23.12	24.62	0.290	30.00	-5.38
		3500.01	1.50	1 / 1	23.12	24.62	0.290	30.00	-5.38
		3540.00	1.50	1 / 49	23.29	24.79	0.301	30.00	-5.21
	16-QAM	3540.00	1.50	1 / 49	22.37	23.87	0.244	30.00	-6.13
	64-QAM	3460.02	1.50	1 / 25	21.32	22.82	0.191	30.00	-7.18
	256-QAM	3540.00	1.50	1 / 25	18.28	19.78	0.095	30.00	-10.22
30 MHz	π/2 BPSK	3465.00	1.50	1 / 36	23.30	**24.80**	0.302	30.00	-5.20
		3500.01	1.50	1 / 76	23.04	24.54	0.284	30.00	-5.46
		3534.99	1.50	1 / 36	23.07	24.57	0.286	30.00	-5.43
	QPSK	3465.00	1.50	1 / 36	23.30	**24.80**	0.302	30.00	-5.20
		3500.01	1.50	1 / 76	23.24	24.74	0.298	30.00	-5.26
		3534.99	1.50	1 / 1	22.92	24.42	0.277	30.00	-5.58
	16-QAM	3500.01	1.50	1 / 76	22.31	23.81	0.240	30.00	-6.19
	64-QAM	3500.01	1.50	1 / 36	21.34	22.84	0.192	30.00	-7.16
	256-QAM	3534.99	1.50	1 / 76	18.37	19.87	0.097	30.00	-10.13
40 MHz	π/2 BPSK	3470.01	1.50	1 / 104	23.12	24.62	0.290	30.00	-5.38
		3500.01	1.50	1 / 104	23.30	**24.80**	0.302	30.00	-5.20
		3529.98	1.50	1 / 1	23.27	24.77	0.300	30.00	-5.23
	QPSK	3470.01	1.50	1 / 104	23.21	24.71	0.296	30.00	-5.29
		3500.01	1.50	1 / 50	23.28	24.78	0.301	30.00	-5.22
		3529.98	1.50	1 / 104	23.27	24.77	0.300	30.00	-5.23
	16-QAM	3470.01	1.50	1 / 50	22.23	23.73	0.236	30.00	-6.27
	64-QAM	3529.98	1.50	1 / 50	21.34	22.84	0.192	30.00	-7.16
	256-QAM	3529.98	1.50	1 / 1	18.43	19.93	0.098	30.00	-10.07
50 MHz	π/2 BPSK	3475.02	1.50	1 / 64	23.15	24.65	0.292	30.00	-5.35
		3500.01	1.50	1 / 64	23.08	24.58	0.287	30.00	-5.42
		3525.00	1.50	1 / 131	23.21	24.71	0.296	30.00	-5.29
	QPSK	3475.02	1.50	1 / 131	23.15	24.65	0.292	30.00	-5.35
		3500.01	1.50	1 / 64	23.30	**24.80**	0.302	30.00	-5.20
		3525.00	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
	16-QAM	3475.02	1.50	1 / 64	22.28	23.78	0.239	30.00	-6.22
	64-QAM	3525.00	1.50	1 / 1	21.34	22.84	0.192	30.00	-7.16
	256-QAM	3475.02	1.50	1 / 1	18.42	19.92	0.098	30.00	-10.08
60 MHz	π/2 BPSK	3480.00	1.50	1 / 160	23.25	24.75	0.299	30.00	-5.25
		3500.01	1.50	1 / 160	23.30	**24.80**	0.302	30.00	-5.20
		3519.99	1.50	1 / 160	22.92	24.42	0.277	30.00	-5.58
	QPSK	3480.00	1.50	1 / 81	22.95	24.45	0.279	30.00	-5.55
		3500.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3519.99	1.50	1 / 81	23.23	24.73	0.297	30.00	-5.27
	16-QAM	3519.99	1.50	1 / 1	22.30	23.80	0.240	30.00	-6.20
	64-QAM	3480.00	1.50	1 / 1	21.30	22.80	0.191	30.00	-7.20
	256-QAM	3500.01	1.50	1 / 81	18.32	19.82	0.096	30.00	-10.18
70 MHz	π/2 BPSK	3485.01	1.50	1 / 187	23.29	24.79	0.301	30.00	-5.21
		3500.01	1.50	1 / 187	23.10	24.60	0.288	30.00	-5.40
		3514.98	1.50	1 / 1	23.07	24.57	0.286	30.00	-5.43
	QPSK	3485.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3500.01	1.50	1 / 90	23.30	**24.80**	0.302	30.00	-5.20
		3514.98	1.50	1 / 1	23.12	24.62	0.290	30.00	-5.38
	16-QAM	3485.01	1.50	1 / 90	22.20	23.70	0.234	30.00	-6.30
	64-QAM	3514.98	1.50	1 / 187	21.32	22.82	0.191	30.00	-7.18
	256-QAM	3485.01	1.50	1 / 1	18.41	19.91	0.098	30.00	-10.09
80 MHz	π/2 BPSK	3490.02	1.50	1 / 215	23.26	24.76	0.299	30.00	-5.24
		3500.01	1.50	1 / 1	23.26	24.76	0.299	30.00	-5.24
		3510.00	1.50	1 / 108	23.23	24.73	0.297	30.00	-5.27
	QPSK	3490.02	1.50	1 / 108	23.17	24.67	0.293	30.00	-5.33
		3500.01	1.50	1 / 215	23.20	24.70	0.295	30.00	-5.30
		3510.00	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
	16-QAM	3500.01	1.50	1 / 215	22.21	23.71	0.235	30.00	-6.29
	64-QAM	3490.02	1.50	1 / 1	21.26	22.76	0.189	30.00	-7.24
	256-QAM	3490.02	1.50	1 / 215	18.33	19.83	0.096	30.00	-10.17
90 MHz	π/2 BPSK	3495.00	1.50	1 / 1	23.22	24.72	0.296	30.00	-5.28
		3500.01	1.50	1 / 243	23.10	24.60	0.288	30.00	-5.40
		3504.99	1.50	1 / 1	23.13	24.63	0.290	30.00	-5.37
	QPSK	3495.00	1.50	1 / 120	23.28	24.78	0.301	30.00	-5.22
		3500.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3504.99	1.50	1 / 1	23.12	24.62	0.290	30.00	-5.38
	16-QAM	3495.00	1.50	1 / 120	22.32	23.82	0.241	30.00	-6.18
	64-QAM	3504.99	1.50	1 / 120	21.31	22.81	0.191	30.00	-7.19
	256-QAM	3500.01	1.50	1 / 243	18.26	19.76	0.095	30.00	-10.24
100 MHz	π/2 BPSK	3500.01	1.50	1 / 271	23.30	**24.80**	0.302	30.00	-5.20
	QPSK	3500.01	1.50	1 / 1	23.18	24.68	0.294	30.00	-5.32
	16-QAM	3500.01	1.50	1 / 271	22.35	23.85	0.243	30.00	-6.15
	64-QAM	3500.01	1.50	1 / 1	21.32	22.82	0.191	30.00	-7.18
	256-QAM	3500.01	1.50	1 / 135	18.35	19.85	0.097	30.00	-10.15

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	1.50	1 / 12	23.03	**24.53**	0.284	30.00	-5.47
		3500.01	1.50	1 / 22	23.20	24.70	0.295	30.00	-5.30
		3544.98	1.50	1 / 22	23.16	24.66	0.292	30.00	-5.34
	QPSK	3455.01	1.50	1 / 12	23.25	24.75	0.299	30.00	-5.25
		3500.01	1.50	1 / 12	23.30	**24.80**	0.302	30.00	-5.20
		3544.98	1.50	1 / 1	23.29	24.79	0.301	30.00	-5.21
	16-QAM	3500.01	1.50	1 / 12	22.30	23.80	0.240	30.00	-6.20
	64-QAM	3544.98	1.50	1 / 12	21.30	22.80	0.191	30.00	-7.20
	256-QAM	3500.01	1.50	1 / 1	18.40	19.90	0.098	30.00	-10.10
15 MHz	π/2 BPSK	3457.50	1.50	1 / 36	23.22	24.72	0.296	30.00	-5.28
		3500.01	1.50	1 / 18	23.16	24.66	0.292	30.00	-5.34
		3542.49	1.50	1 / 18	23.09	24.59	0.288	30.00	-5.41
	QPSK	3457.50	1.50	1 / 36	23.22	24.72	0.296	30.00	-5.28
		3500.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3542.49	1.50	1 / 36	23.20	24.70	0.295	30.00	-5.30
	16-QAM	3457.50	1.50	1 / 36	22.23	23.73	0.236	30.00	-6.27
	64-QAM	3542.49	1.50	1 / 18	21.25	22.75	0.188	30.00	-7.25
	256-QAM	3542.49	1.50	1 / 1	18.41	19.91	0.098	30.00	-10.09
20 MHz	π/2 BPSK	3460.02	1.50	1 / 25	23.07	24.57	0.286	30.00	-5.43
		3500.01	1.50	1 / 25	23.30	**24.80**	0.302	30.00	-5.20
		3540.00	1.50	1 / 49	23.05	24.55	0.285	30.00	-5.45
	QPSK	3460.02	1.50	1 / 25	23.17	24.67	0.293	30.00	-5.33
		3500.01	1.50	1 / 49	23.02	24.52	0.283	30.00	-5.48
		3540.00	1.50	1 / 49	23.11	24.61	0.289	30.00	-5.39
	16-QAM	3500.01	1.50	1 / 25	22.28	23.78	0.239	30.00	-6.22
	64-QAM	3500.01	1.50	1 / 25	21.18	22.68	0.185	30.00	-7.32
	256-QAM	3500.01	1.50	1 / 1	18.43	19.93	0.098	30.00	-10.07
30 MHz	π/2 BPSK	3465.00	1.50	1 / 76	23.24	24.74	0.298	30.00	-5.26
		3500.01	1.50	1 / 76	23.09	24.59	0.288	30.00	-5.41
		3534.99	1.50	1 / 36	23.25	24.75	0.299	30.00	-5.25
	QPSK	3465.00	1.50	1 / 1	23.10	24.60	0.288	30.00	-5.40
		3500.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3534.99	1.50	1 / 76	23.12	24.62	0.290	30.00	-5.38
	16-QAM	3465.00	1.50	1 / 1	22.29	23.79	0.239	30.00	-6.21
	64-QAM	3534.99	1.50	1 / 1	21.32	22.82	0.191	30.00	-7.18
	256-QAM	3465.00	1.50	1 / 76	18.43	19.93	0.098	30.00	-10.07
40 MHz	π/2 BPSK	3470.01	1.50	1 / 104	23.28	24.78	0.301	30.00	-5.22
		3500.01	1.50	1 / 104	23.14	24.64	0.291	30.00	-5.36
		3529.98	1.50	1 / 1	23.18	24.68	0.294	30.00	-5.32
	QPSK	3470.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3500.01	1.50	1 / 50	23.21	24.71	0.296	30.00	-5.29
		3529.98	1.50	1 / 104	23.27	24.77	0.300	30.00	-5.23
	16-QAM	3470.01	1.50	1 / 104	22.30	23.80	0.240	30.00	-6.20
	64-QAM	3529.98	1.50	1 / 50	21.29	22.79	0.190	30.00	-7.21
	256-QAM	3470.01	1.50	1 / 50	18.40	19.90	0.098	30.00	-10.10
50 MHz	π/2 BPSK	3475.02	1.50	1 / 64	23.19	24.69	0.294	30.00	-5.31
		3500.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3525.00	1.50	1 / 131	23.29	24.79	0.301	30.00	-5.21
	QPSK	3475.02	1.50	1 / 1	23.01	24.51	0.282	30.00	-5.49
		3500.01	1.50	1 / 64	22.94	24.44	0.278	30.00	-5.56
		3525.00	1.50	1 / 64	23.29	24.79	0.301	30.00	-5.21
	16-QAM	3500.01	1.50	1 / 64	22.30	23.80	0.240	30.00	-6.20
	64-QAM	3500.01	1.50	1 / 64	21.22	22.72	0.187	30.00	-7.28
	256-QAM	3475.02	1.50	1 / 64	18.42	19.92	0.098	30.00	-10.08
60 MHz	π/2 BPSK	3480.00	1.50	1 / 81	23.30	**24.80**	0.302	30.00	-5.20
		3500.01	1.50	1 / 81	23.02	24.52	0.283	30.00	-5.48
		3519.99	1.50	1 / 81	23.18	24.68	0.294	30.00	-5.32
	QPSK	3480.00	1.50	1 / 160	23.29	24.79	0.301	30.00	-5.21
		3500.01	1.50	1 / 81	23.12	24.62	0.290	30.00	-5.38
		3519.99	1.50	1 / 1	23.18	24.68	0.294	30.00	-5.32
	16-QAM	3500.01	1.50	1 / 81	22.29	23.79	0.239	30.00	-6.21
	64-QAM	3519.99	1.50	1 / 160	21.27	22.77	0.189	30.00	-7.23
	256-QAM	3519.99	1.50	1 / 1	18.27	19.77	0.095	30.00	-10.23
70 MHz	π/2 BPSK	3485.01	1.50	1 / 90	23.23	24.73	0.297	30.00	-5.27
		3500.01	1.50	1 / 1	23.25	24.75	0.299	30.00	-5.25
		3514.98	1.50	1 / 1	23.25	24.75	0.299	30.00	-5.25
	QPSK	3485.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3500.01	1.50	1 / 90	23.16	24.66	0.292	30.00	-5.34
		3514.98	1.50	1 / 1	23.24	24.74	0.298	30.00	-5.26
	16-QAM	3500.01	1.50	1 / 90	22.39	23.89	0.245	30.00	-6.11
	64-QAM	3485.01	1.50	1 / 90	21.39	22.89	0.195	30.00	-7.11
	256-QAM	3485.01	1.50	1 / 1	18.38	19.88	0.097	30.00	-10.12
80 MHz	π/2 BPSK	3490.02	1.50	1 / 1	23.22	24.72	0.296	30.00	-5.28
		3500.01	1.50	1 / 108	23.13	24.63	0.290	30.00	-5.37
		3510.00	1.50	1 / 1	23.28	24.78	0.301	30.00	-5.22
	QPSK	3490.02	1.50	1 / 108	23.30	**24.80**	0.302	30.00	-5.20
		3500.01	1.50	1 / 1	23.30	**24.80**	0.302	30.00	-5.20
		3510.00	1.50	1 / 215	23.21	24.71	0.296	30.00	-5.29
	16-QAM	3510.00	1.50	1 / 108	22.25	23.75	0.237	30.00	-6.25
	64-QAM	3510.00	1.50	1 / 108	21.28	22.78	0.190	30.00	-7.22
	256-QAM	3500.01	1.50	1 / 1	18.22	19.72	0.094	30.00	-10.28
90 MHz	π/2 BPSK	3495.00	1.50	1 / 243	23.14	24.64	0.291	30.00	-5.36
		3500.01	1.50	1 / 1	23.20	24.70	0.295	30.00	-5.30
		3504.99	1.50	1 / 120	23.30	**24.80**	0.302	30.00	-5.20
	QPSK	3495.00	1.50	1 / 243	22.97	24.47	0.280	30.00	-5.53
		3500.01	1.50	1 / 120	23.30	**24.80**	0.302	30.00	-5.20
		3504.99	1.50	1 / 1	23.24	24.74	0.298	30.00	-5.26
	16-QAM	3504.99	1.50	1 / 1	22.36	23.86	0.243	30.00	-6.14
	64-QAM	3504.99	1.50	1 / 120	21.33	22.83	0.192	30.00	-7.17
	256-QAM	3504.99	1.50	1 / 120	18.45	19.95	0.099	30.00	-10.05
100 MHz	π/2 BPSK	3500.01	1.50	1 / 1	23.16	24.66	0.292	30.00	-5.34
	QPSK	3500.01	1.50	1 / 271	23.25	**24.75**	0.299	30.00	-5.25
	16-QAM	3500.01	1.50	1 / 135	22.13	23.63	0.231	30.00	-6.37
	64-QAM	3500.01	1.50	1 / 271	21.02	22.52	0.179	30.00	-7.48
	256-QAM	3500.01	1.50	1 / 1	18.36	19.86	0.097	30.00	-10.14

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	0.70	1 / 12	23.28	**23.98**	0.250	30.00	-6.02
		3840.00	0.70	1 / 1	22.92	23.62	0.230	30.00	-6.38
		3975.00	0.70	1 / 12	23.26	23.96	0.249	30.00	-6.04
	QPSK	3705.00	0.70	1 / 1	23.17	23.87	0.244	30.00	-6.13
		3840.00	0.70	1 / 22	23.29	23.99	0.251	30.00	-6.01
		3975.00	0.70	1 / 22	23.30	**24.00**	0.251	30.00	-6.00
	16-QAM	3975.00	0.70	1 / 1	22.28	22.98	0.199	30.00	-7.02
	64-QAM	3975.00	0.70	1 / 22	21.32	22.02	0.159	30.00	-7.98
	256-QAM	3705.00	0.70	1 / 22	18.30	19.00	0.079	30.00	-11.00
15 MHz	π/2 BPSK	3707.51	0.70	1 / 18	23.30	**24.00**	0.251	30.00	-6.00
		3840.00	0.70	1 / 36	22.89	23.59	0.229	30.00	-6.41
		3972.50	0.70	1 / 1	23.22	23.92	0.247	30.00	-6.08
	QPSK	3707.51	0.70	1 / 18	23.03	23.73	0.236	30.00	-6.27
		3840.00	0.70	1 / 36	23.24	23.94	0.248	30.00	-6.06
		3972.50	0.70	1 / 36	23.20	23.90	0.245	30.00	-6.10
	16-QAM	3707.51	0.70	1 / 1	22.23	22.93	0.196	30.00	-7.07
	64-QAM	3840.00	0.70	1 / 1	21.20	21.90	0.155	30.00	-8.10
	256-QAM	3972.50	0.70	1 / 1	18.31	19.01	0.080	30.00	-10.99
20 MHz	π/2 BPSK	3710.01	0.70	1 / 25	23.25	23.95	0.248	30.00	-6.05
		3840.00	0.70	1 / 49	23.27	23.97	0.249	30.00	-6.03
		3969.99	0.70	1 / 25	23.26	23.96	0.249	30.00	-6.04
	QPSK	3710.01	0.70	1 / 1	23.05	23.75	0.237	30.00	-6.25
		3840.00	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
		3969.99	0.70	1 / 25	23.14	23.84	0.242	30.00	-6.16
	16-QAM	3840.00	0.70	1 / 1	22.29	22.99	0.199	30.00	-7.01
	64-QAM	3840.00	0.70	1 / 25	21.26	21.96	0.157	30.00	-8.04
	256-QAM	3710.01	0.70	1 / 49	18.34	19.04	0.080	30.00	-10.96
30 MHz	π/2 BPSK	3715.02	0.70	1 / 1	23.27	23.97	0.249	30.00	-6.03
		3840.00	0.70	1 / 76	23.19	23.89	0.245	30.00	-6.11
		3964.98	0.70	1 / 36	23.05	23.75	0.237	30.00	-6.25
	QPSK	3715.02	0.70	1 / 1	23.05	23.75	0.237	30.00	-6.25
		3840.00	0.70	1 / 1	23.10	23.80	0.240	30.00	-6.20
		3964.98	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
	16-QAM	3964.98	0.70	1 / 76	22.26	22.96	0.198	30.00	-7.04
	64-QAM	3715.02	0.70	1 / 76	21.31	22.01	0.159	30.00	-7.99
	256-QAM	3840.00	0.70	1 / 1	18.39	19.09	0.081	30.00	-10.91
40 MHz	π/2 BPSK	3720.00	0.70	1 / 50	22.97	23.67	0.233	30.00	-6.33
		3840.00	0.70	1 / 50	23.25	23.95	0.248	30.00	-6.05
		3960.00	0.70	1 / 50	23.20	23.90	0.245	30.00	-6.10
	QPSK	3720.00	0.70	1 / 1	23.10	23.80	0.240	30.00	-6.20
		3840.00	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
		3960.00	0.70	1 / 50	23.11	23.81	0.240	30.00	-6.19
	16-QAM	3720.00	0.70	1 / 104	22.21	22.91	0.195	30.00	-7.09
	64-QAM	3960.00	0.70	1 / 50	21.24	21.94	0.156	30.00	-8.06
	256-QAM	3960.00	0.70	1 / 1	18.42	19.12	0.082	30.00	-10.88
50 MHz	π/2 BPSK	3725.01	0.70	1 / 64	23.24	23.94	0.248	30.00	-6.06
		3840.00	0.70	1 / 131	23.12	23.82	0.241	30.00	-6.18
		3954.99	0.70	1 / 131	23.30	**24.00**	0.251	30.00	-6.00
	QPSK	3725.01	0.70	1 / 64	23.05	23.75	0.237	30.00	-6.25
		3840.00	0.70	1 / 131	23.22	23.92	0.247	30.00	-6.08
		3954.99	0.70	1 / 1	23.24	23.94	0.248	30.00	-6.06
	16-QAM	3840.00	0.70	1 / 64	22.37	23.07	0.203	30.00	-6.93
	64-QAM	3725.01	0.70	1 / 131	21.28	21.98	0.158	30.00	-8.02
	256-QAM	3840.00	0.70	1 / 131	18.47	19.17	0.083	30.00	-10.83
60 MHz	π/2 BPSK	3730.02	0.70	1 / 81	23.11	23.81	0.240	30.00	-6.19
		3840.00	0.70	1 / 81	22.97	23.67	0.233	30.00	-6.33
		3949.98	0.70	1 / 160	23.30	**24.00**	0.251	30.00	-6.00
	QPSK	3730.02	0.70	1 / 1	23.28	23.98	0.250	30.00	-6.02
		3840.00	0.70	1 / 1	23.03	23.73	0.236	30.00	-6.27
		3949.98	0.70	1 / 1	23.18	23.88	0.244	30.00	-6.12
	16-QAM	3730.02	0.70	1 / 160	22.30	23.00	0.200	30.00	-7.00
	64-QAM	3840.00	0.70	1 / 81	21.31	22.01	0.159	30.00	-7.99
	256-QAM	3949.98	0.70	1 / 160	18.38	19.08	0.081	30.00	-10.92
70 MHz	π/2 BPSK	3735.00	0.70	1 / 187	23.19	23.89	0.245	30.00	-6.11
		3840.00	0.70	1 / 1	23.02	23.72	0.236	30.00	-6.28
		3945.00	0.70	1 / 90	23.28	23.98	0.250	30.00	-6.02
	QPSK	3735.00	0.70	1 / 90	23.30	**24.00**	0.251	30.00	-6.00
		3840.00	0.70	1 / 90	23.30	**24.00**	0.251	30.00	-6.00
		3945.00	0.70	1 / 1	23.21	23.91	0.246	30.00	-6.09
	16-QAM	3840.00	0.70	1 / 90	22.32	23.02	0.200	30.00	-6.98
	64-QAM	3735.00	0.70	1 / 90	21.31	22.01	0.159	30.00	-7.99
	256-QAM	3735.00	0.70	1 / 90	18.32	19.02	0.080	30.00	-10.98
80 MHz	π/2 BPSK	3740.01	0.70	1 / 108	22.90	23.60	0.229	30.00	-6.40
		3840.00	0.70	1 / 108	23.29	23.99	0.251	30.00	-6.01
		3939.99	0.70	1 / 1	23.05	23.75	0.237	30.00	-6.25
	QPSK	3740.01	0.70	1 / 215	23.30	**24.00**	0.251	30.00	-6.00
		3840.00	0.70	1 / 1	23.19	23.89	0.245	30.00	-6.11
		3939.99	0.70	1 / 108	23.21	23.91	0.246	30.00	-6.09
	16-QAM	3840.00	0.70	1 / 1	22.31	23.01	0.200	30.00	-6.99
	64-QAM	3939.99	0.70	1 / 108	21.19	21.89	0.155	30.00	-8.11
	256-QAM	3840.00	0.70	1 / 108	18.44	19.14	0.082	30.00	-10.86
90 MHz	π/2 BPSK	3745.02	0.70	1 / 243	23.07	23.77	0.238	30.00	-6.23
		3840.00	0.70	1 / 1	23.29	23.99	0.251	30.00	-6.01
		3934.98	0.70	1 / 243	23.30	**24.00**	0.251	30.00	-6.00
	QPSK	3745.02	0.70	1 / 243	23.03	23.73	0.236	30.00	-6.27
		3840.00	0.70	1 / 1	23.10	23.80	0.240	30.00	-6.20
		3934.98	0.70	1 / 243	23.25	23.95	0.248	30.00	-6.05
	16-QAM	3840.00	0.70	1 / 243	22.20	22.90	0.195	30.00	-7.10
	64-QAM	3745.02	0.70	1 / 243	21.31	22.01	0.159	30.00	-7.99
	256-QAM	3934.98	0.70	1 / 120	18.38	19.08	0.081	30.00	-10.92
100 MHz	π/2 BPSK	3750.00	0.70	1 / 271	23.30	**24.00**	0.251	30.00	-6.00
		3840.00	0.70	1 / 1	23.19	23.89	0.245	30.00	-6.11
		3930.00	0.70	1 / 271	23.25	23.95	0.248	30.00	-6.05
	QPSK	3750.00	0.70	1 / 271	23.06	23.76	0.238	30.00	-6.24
		3840.00	0.70	1 / 271	23.21	23.91	0.246	30.00	-6.09
		3930.00	0.70	1 / 271	23.27	23.97	0.249	30.00	-6.03
	16-QAM	3840.00	0.70	1 / 135	22.23	22.93	0.196	30.00	-7.07
	64-QAM	3750.00	0.70	1 / 135	21.24	21.94	0.156	30.00	-8.06
	256-QAM	3840.00	0.70	1 / 135	18.36	19.06	0.081	30.00	-10.94

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	0.70	1 / 22	23.27	**23.97**	0.249	30.00	-6.03
		3840.00	0.70	1 / 1	23.20	23.90	0.245	30.00	-6.10
		3975.00	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
	QPSK	3705.00	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
		3840.00	0.70	1 / 12	23.14	23.84	0.242	30.00	-6.16
		3975.00	0.70	1 / 22	23.00	23.70	0.234	30.00	-6.30
	16-QAM	3705.00	0.70	1 / 22	22.28	22.98	0.199	30.00	-7.02
	64-QAM	3840.00	0.70	1 / 1	21.29	21.99	0.158	30.00	-8.01
	256-QAM	3975.00	0.70	1 / 22	18.36	19.06	0.081	30.00	-10.94
15 MHz	π/2 BPSK	3707.51	0.70	1 / 36	23.18	23.88	0.244	30.00	-6.12
		3840.00	0.70	1 / 36	23.30	**24.00**	0.251	30.00	-6.00
		3972.50	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
	QPSK	3707.51	0.70	1 / 1	23.21	23.91	0.246	30.00	-6.09
		3840.00	0.70	1 / 18	23.21	23.91	0.246	30.00	-6.09
		3972.50	0.70	1 / 1	23.20	23.90	0.245	30.00	-6.10
	16-QAM	3972.50	0.70	1 / 18	22.30	23.00	0.200	30.00	-7.00
	64-QAM	3972.50	0.70	1 / 18	21.31	22.01	0.159	30.00	-7.99
	256-QAM	3840.00	0.70	1 / 36	18.32	19.02	0.080	30.00	-10.98
20 MHz	π/2 BPSK	3710.01	0.70	1 / 1	23.13	23.83	0.242	30.00	-6.17
		3840.00	0.70	1 / 49	23.30	**24.00**	0.251	30.00	-6.00
		3969.99	0.70	1 / 1	23.08	23.78	0.239	30.00	-6.22
	QPSK	3710.01	0.70	1 / 49	23.24	23.94	0.248	30.00	-6.06
		3840.00	0.70	1 / 25	23.29	23.99	0.251	30.00	-6.01
		3969.99	0.70	1 / 1	23.04	23.74	0.237	30.00	-6.26
	16-QAM	3969.99	0.70	1 / 25	22.25	22.95	0.197	30.00	-7.05
	64-QAM	3840.00	0.70	1 / 1	21.18	21.88	0.154	30.00	-8.12
	256-QAM	3969.99	0.70	1 / 25	18.39	19.09	0.081	30.00	-10.91
30 MHz	π/2 BPSK	3715.02	0.70	1 / 36	23.24	23.94	0.248	30.00	-6.06
		3840.00	0.70	1 / 36	23.10	23.80	0.240	30.00	-6.20
		3964.98	0.70	1 / 36	23.22	23.92	0.247	30.00	-6.08
	QPSK	3715.02	0.70	1 / 36	23.28	23.98	0.250	30.00	-6.02
		3840.00	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
		3964.98	0.70	1 / 1	23.27	23.97	0.249	30.00	-6.03
	16-QAM	3715.02	0.70	1 / 1	22.30	23.00	0.200	30.00	-7.00
	64-QAM	3840.00	0.70	1 / 36	21.16	21.86	0.153	30.00	-8.14
	256-QAM	3840.00	0.70	1 / 36	18.38	19.08	0.081	30.00	-10.92
40 MHz	π/2 BPSK	3720.00	0.70	1 / 104	23.23	23.93	0.247	30.00	-6.07
		3840.00	0.70	1 / 104	23.30	**24.00**	0.251	30.00	-6.00
		3960.00	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
	QPSK	3720.00	0.70	1 / 104	22.93	23.63	0.231	30.00	-6.37
		3840.00	0.70	1 / 104	23.28	23.98	0.250	30.00	-6.02
		3960.00	0.70	1 / 104	23.25	23.95	0.248	30.00	-6.05
	16-QAM	3840.00	0.70	1 / 1	22.32	23.02	0.200	30.00	-6.98
	64-QAM	3960.00	0.70	1 / 104	21.31	22.01	0.159	30.00	-7.99
	256-QAM	3840.00	0.70	1 / 104	18.41	19.11	0.081	30.00	-10.89
50 MHz	π/2 BPSK	3725.01	0.70	1 / 131	23.27	23.97	0.249	30.00	-6.03
		3840.00	0.70	1 / 131	23.23	23.93	0.247	30.00	-6.07
		3954.99	0.70	1 / 1	23.27	23.97	0.249	30.00	-6.03
	QPSK	3725.01	0.70	1 / 131	23.25	23.95	0.248	30.00	-6.05
		3840.00	0.70	1 / 1	23.27	23.97	0.249	30.00	-6.03
		3954.99	0.70	1 / 131	23.30	**24.00**	0.251	30.00	-6.00
	16-QAM	3840.00	0.70	1 / 1	22.23	22.93	0.196	30.00	-7.07
	64-QAM	3954.99	0.70	1 / 1	21.32	22.02	0.159	30.00	-7.98
	256-QAM	3725.01	0.70	1 / 64	18.42	19.12	0.082	30.00	-10.88
60 MHz	π/2 BPSK	3730.02	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
		3840.00	0.70	1 / 81	23.17	23.87	0.244	30.00	-6.13
		3949.98	0.70	1 / 160	23.28	23.98	0.250	30.00	-6.02
	QPSK	3730.02	0.70	1 / 1	23.05	23.75	0.237	30.00	-6.25
		3840.00	0.70	1 / 160	23.29	23.99	0.251	30.00	-6.01
		3949.98	0.70	1 / 160	23.21	23.91	0.246	30.00	-6.09
	16-QAM	3949.98	0.70	1 / 1	22.19	22.89	0.195	30.00	-7.11
	64-QAM	3840.00	0.70	1 / 160	21.24	21.94	0.156	30.00	-8.06
	256-QAM	3949.98	0.70	1 / 1	18.36	19.06	0.081	30.00	-10.94
70 MHz	π/2 BPSK	3735.00	0.70	1 / 1	23.15	23.85	0.243	30.00	-6.15
		3840.00	0.70	1 / 90	23.17	23.87	0.244	30.00	-6.13
		3945.00	0.70	1 / 187	23.28	23.98	0.250	30.00	-6.02
	QPSK	3735.00	0.70	1 / 187	23.26	23.96	0.249	30.00	-6.04
		3840.00	0.70	1 / 187	23.30	**24.00**	0.251	30.00	-6.00
		3945.00	0.70	1 / 187	23.19	23.89	0.245	30.00	-6.11
	16-QAM	3945.00	0.70	1 / 90	22.26	22.96	0.198	30.00	-7.04
	64-QAM	3840.00	0.70	1 / 187	21.26	21.96	0.157	30.00	-8.04
	256-QAM	3945.00	0.70	1 / 90	18.36	19.06	0.081	30.00	-10.94
80 MHz	π/2 BPSK	3740.01	0.70	1 / 108	23.30	**24.00**	0.251	30.00	-6.00
		3840.00	0.70	1 / 215	23.05	23.75	0.237	30.00	-6.25
		3939.99	0.70	1 / 215	23.08	23.78	0.239	30.00	-6.22
	QPSK	3740.01	0.70	1 / 108	23.18	23.88	0.244	30.00	-6.12
		3840.00	0.70	1 / 1	23.12	23.82	0.241	30.00	-6.18
		3939.99	0.70	1 / 108	23.17	23.87	0.244	30.00	-6.13
	16-QAM	3840.00	0.70	1 / 108	22.32	23.02	0.200	30.00	-6.98
	64-QAM	3740.01	0.70	1 / 108	21.31	22.01	0.159	30.00	-7.99
	256-QAM	3939.99	0.70	1 / 108	18.38	19.08	0.081	30.00	-10.92
90 MHz	π/2 BPSK	3745.02	0.70	1 / 120	23.04	23.74	0.237	30.00	-6.26
		3840.00	0.70	1 / 243	23.28	23.98	0.250	30.00	-6.02
		3934.98	0.70	1 / 1	23.29	23.99	0.251	30.00	-6.01
	QPSK	3745.02	0.70	1 / 120	23.30	**24.00**	0.251	30.00	-6.00
		3840.00	0.70	1 / 120	23.26	23.96	0.249	30.00	-6.04
		3934.98	0.70	1 / 120	23.12	23.82	0.241	30.00	-6.18
	16-QAM	3934.98	0.70	1 / 1	22.26	22.96	0.198	30.00	-7.04
	64-QAM	3934.98	0.70	1 / 120	21.23	21.93	0.156	30.00	-8.07
	256-QAM	3934.98	0.70	1 / 120	18.32	19.02	0.080	30.00	-10.98
100 MHz	π/2 BPSK	3750.00	0.70	1 / 135	23.22	23.92	0.247	30.00	-6.08
		3840.00	0.70	1 / 1	23.22	23.92	0.247	30.00	-6.08
		3930.00	0.70	1 / 135	23.21	23.91	0.246	30.00	-6.09
	QPSK	3750.00	0.70	1 / 271	23.02	23.72	0.236	30.00	-6.28
		3840.00	0.70	1 / 1	23.04	23.74	0.237	30.00	-6.26
		3930.00	0.70	1 / 1	23.30	**24.00**	0.251	30.00	-6.00
	16-QAM	3840.00	0.70	1 / 1	22.30	23.00	0.200	30.00	-7.00
	64-QAM	3930.00	0.70	1 / 271	21.27	21.97	0.157	30.00	-8.03
	256-QAM	3930.00	0.70	1 / 1	18.38	19.08	0.081	30.00	-10.92

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.

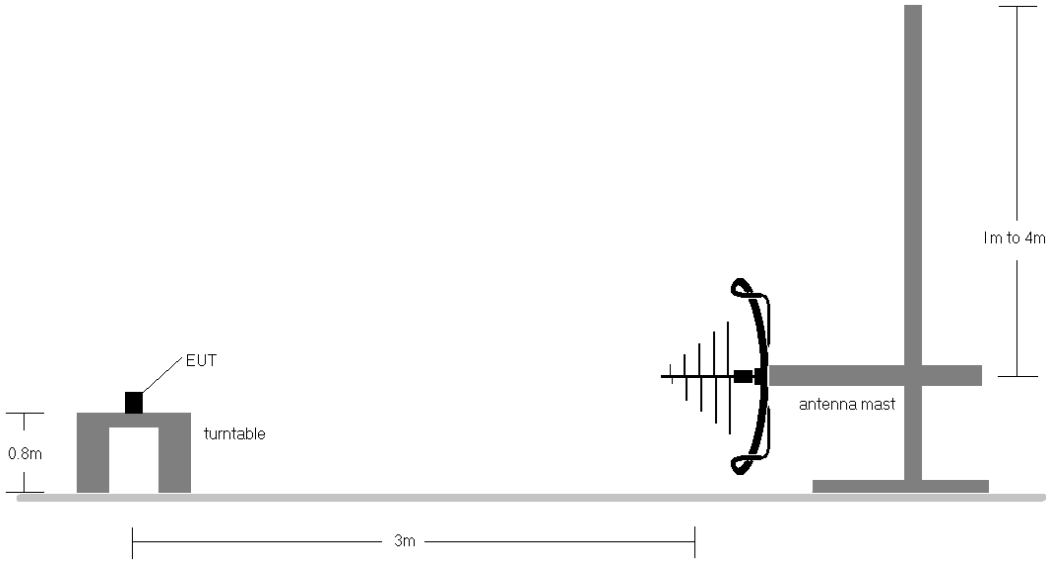


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

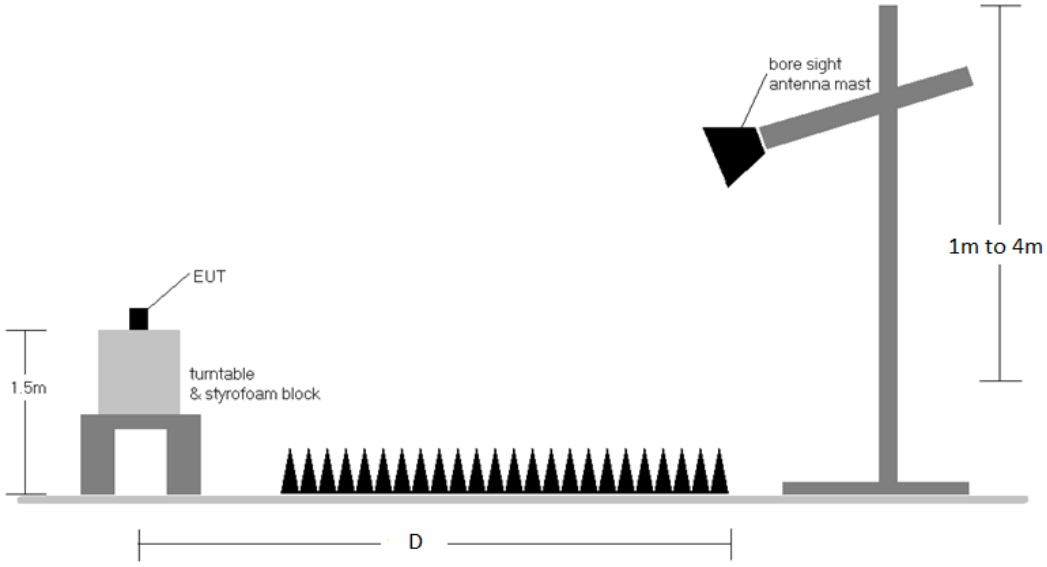


Figure 7-12. Test Instrument & Measurement Setup >1 GHz

Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 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.

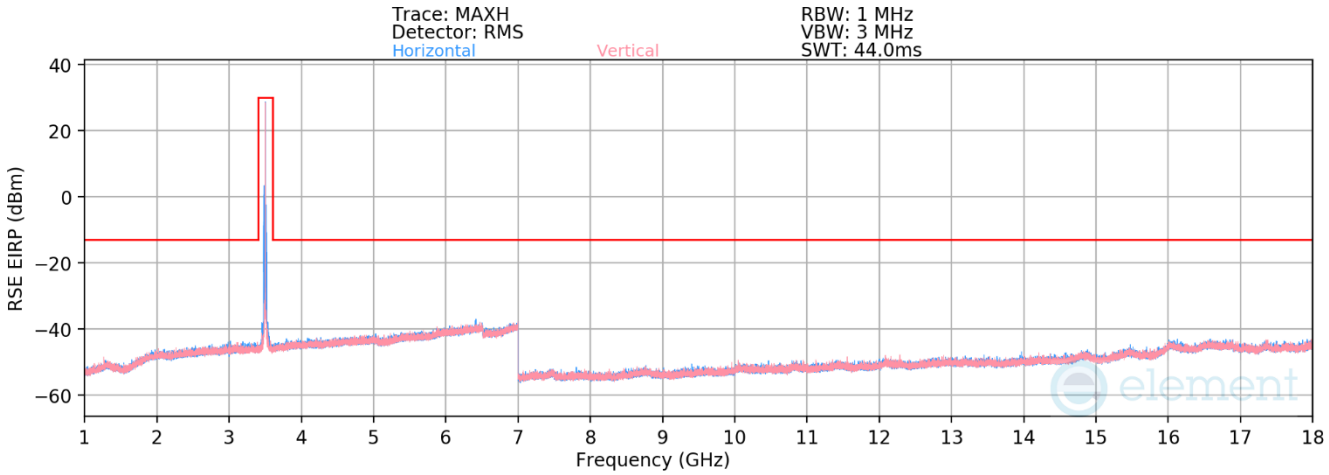
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

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.

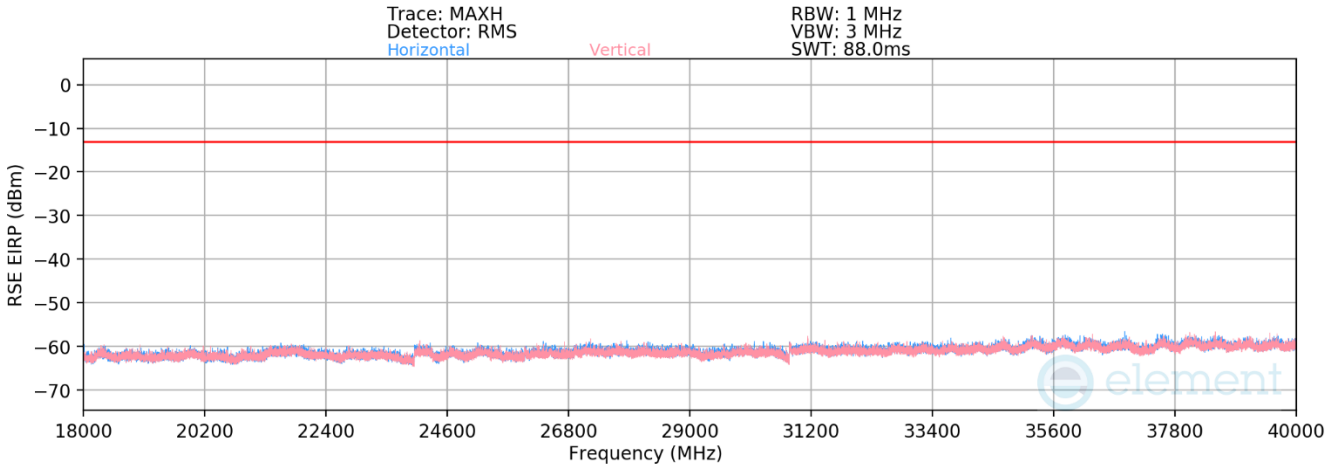
9. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.

7.7.1 Antenna 3a Radiated Spurious Emission Measurements

NR Band n77 DoD Band



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



Plot 7-416. Antenna 3a 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	H	-	-	-77.39	5.95	35.57	-59.69	-13.00	-46.69
10485.0	H	-	-	-77.51	8.22	37.71	-57.55	-13.00	-44.55
13980.0	H	-	-	-79.65	13.09	40.44	-54.82	-13.00	-41.82

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

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
RB / Offset:	1 / 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	-	-	-77.10	5.91	35.82	-59.44	-13.00	-46.44
10500.0	H	-	-	-77.45	8.30	37.85	-57.41	-13.00	-44.41
14000.0	H	-	-	-79.30	12.84	40.54	-54.72	-13.00	-41.72

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

Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 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	-	-	-77.18	6.02	35.83	-59.43	-13.00	-46.43
10515.0	H	-	-	-77.52	8.27	37.75	-57.50	-13.00	-44.50
14020.0	H	-	-	-79.63	12.83	40.20	-55.06	-13.00	-42.06

Table 7-20. Antenna 3a 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	H	-	-	-77.02	6.09	36.07	-59.19	-13.00	-46.19
11250.0	H	-	-	-77.48	9.09	38.61	-56.65	-13.00	-43.65
15000.0	H	-	-	-80.11	14.62	41.51	-53.75	-13.00	-40.75

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-76.77	5.63	35.86	-59.40	-13.00	-46.40
11520.0	H	-	-	-78.06	9.65	38.59	-56.67	-13.00	-43.67
15360.0	H	-	-	-79.75	14.82	42.07	-53.19	-13.00	-40.19

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-76.67	5.80	36.13	-59.12	-13.00	-46.12
11790.0	H	-	-	-78.57	10.37	38.80	-56.46	-13.00	-43.46
15720.0	H	-	-	-80.53	15.72	42.19	-53.07	-13.00	-40.07

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

7.7.2 Antenna 2 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	-	-	-76.72	5.91	36.19	-59.07	-13.00	-46.07
10485.0	V	-	-	-77.49	8.08	37.60	-57.66	-13.00	-44.66
13980.0	V	-	-	-79.52	12.84	40.32	-54.94	-13.00	-41.94

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

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
RB / Offset:	1 / 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	-	-	-77.50	6.07	35.57	-59.69	-13.00	-46.69
10500.0	V	-	-	-77.62	8.22	37.60	-57.66	-13.00	-44.66
14000.0	V	-	-	-79.86	13.09	40.23	-55.03	-13.00	-42.03

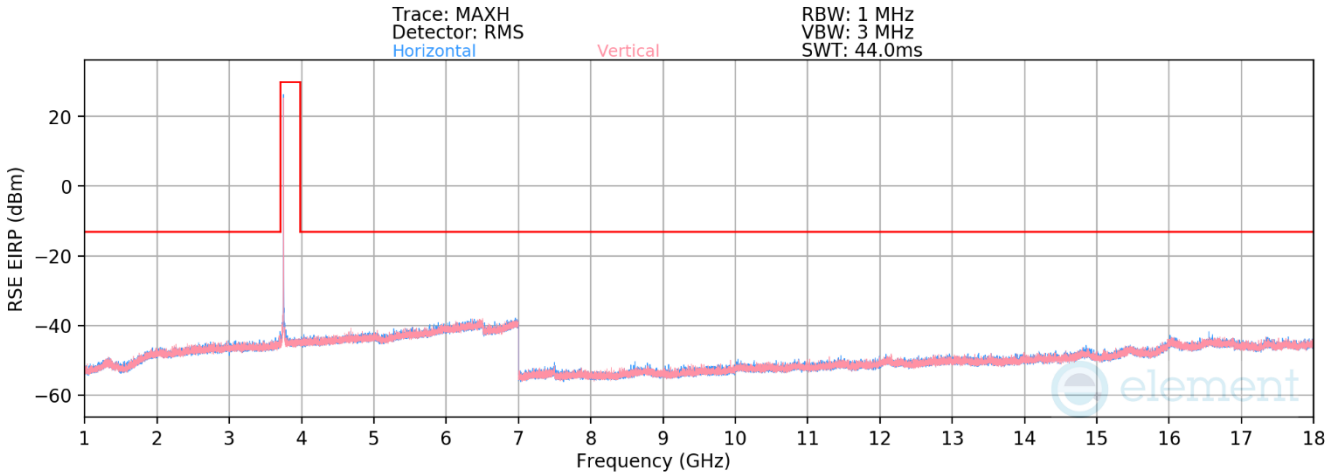
Table 7-25. Antenna 2 Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

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

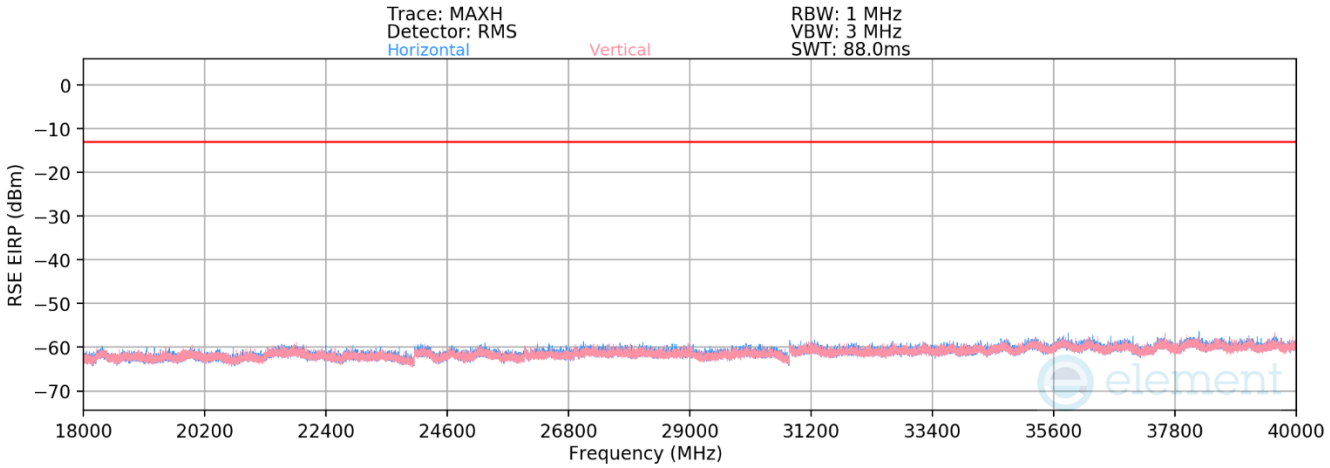
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-76.88	5.91	36.03	-59.23	-13.00	-46.23
10515.0	V	-	-	-77.60	8.27	37.67	-57.59	-13.00	-44.59
14020.0	V	-	-	-79.35	12.83	40.48	-54.78	-13.00	-41.78

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

NR Band n77 C Band



Plot 7-417. Antenna 2 Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 C Band)



Plot 7-418. Antenna 2 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	238	161	-73.71	6.15	39.45	-55.81	-13.00	-42.81
11250.0	V	-	-	-77.58	8.93	38.36	-56.90	-13.00	-43.90
15000.0	V	-	-	-80.16	14.60	41.44	-53.82	-13.00	-40.82

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-76.83	5.59	35.76	-59.50	-13.00	-46.50
11520.0	V	-	-	-78.16	9.65	38.48	-56.77	-13.00	-43.77
15360.0	V	-	-	-79.76	14.82	42.06	-53.20	-13.00	-40.20

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-76.69	5.80	36.11	-59.15	-13.00	-46.15
11790.0	V	-	-	-78.62	10.37	38.75	-56.51	-13.00	-43.51
15720.0	V	-	-	-80.89	15.74	41.85	-53.41	-13.00	-40.41

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

7.7.3 Antenna 4 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-77.13	5.95	35.82	-59.44	-13.00	-46.44
10485.0	H	-	-	-77.57	8.41	37.84	-57.42	-13.00	-44.42
13980.0	H	-	-	-79.68	13.09	40.40	-54.86	-13.00	-41.86

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	-	-	-76.88	5.95	36.07	-59.19	-13.00	-46.19
10500.0	H	-	-	-77.34	8.30	37.97	-57.29	-13.00	-44.29
14000.0	H	-	-	-79.54	12.88	40.33	-54.92	-13.00	-41.92

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	-	-	-76.72	5.91	36.19	-59.07	-13.00	-46.07
10515.0	H	-	-	-77.41	8.27	37.86	-57.40	-13.00	-44.40
14020.0	H	-	-	-79.70	12.83	40.12	-55.13	-13.00	-42.13

Table 7-32. Antenna 4 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	H	-	-	-76.79	6.15	36.35	-58.90	-13.00	-45.90
11250.0	H	-	-	-77.85	9.09	38.24	-57.02	-13.00	-44.02
15000.0	H	-	-	-80.18	14.75	41.57	-53.69	-13.00	-40.69

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-76.64	5.73	36.10	-59.16	-13.00	-46.16
11520.0	H	-	-	-77.55	9.70	39.15	-56.11	-13.00	-43.11
15360.0	H	-	-	-79.52	14.82	42.31	-52.95	-13.00	-39.95

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	H	-	-	-76.44	5.81	36.37	-58.89	-13.00	-45.89
11790.0	H	-	-	-78.51	10.54	39.03	-56.23	-13.00	-43.23
15720.0	H	-	-	-80.60	15.74	42.15	-53.11	-13.00	-40.11

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	-	-	-77.31	5.95	35.65	-59.61	-13.00	-46.61
10485.0	V	-	-	-77.38	8.19	37.81	-57.45	-13.00	-44.45
13980.0	V	-	-	-79.78	13.09	40.31	-54.95	-13.00	-41.95

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	V	-	-	-76.99	5.91	35.92	-59.33	-13.00	-46.33
10500.0	V	-	-	-77.54	8.27	37.73	-57.53	-13.00	-44.53
14000.0	V	-	-	-79.43	12.84	40.41	-54.85	-13.00	-41.85

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	V	-	-	-76.85	5.91	36.06	-59.20	-13.00	-46.20
10515.0	V	-	-	-77.27	8.08	37.82	-57.44	-13.00	-44.44
14020.0	V	-	-	-79.64	12.83	40.18	-55.07	-13.00	-42.07

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	-	-	-76.99	6.15	36.15	-59.10	-13.00	-46.10
11250.0	V	-	-	-77.75	8.93	38.18	-57.08	-13.00	-44.08
15000.0	V	-	-	-80.23	14.62	41.39	-53.87	-13.00	-40.87

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	-	-	-76.67	5.63	35.96	-59.29	-13.00	-46.29
11520.0	V	-	-	-77.91	9.70	38.79	-56.47	-13.00	-43.47
15360.0	V	-	-	-79.84	15.00	42.16	-53.09	-13.00	-40.09

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	-	-	-76.68	5.81	36.13	-59.13	-13.00	-46.13
11790.0	V	-	-	-78.74	10.54	38.80	-56.46	-13.00	-43.46
15720.0	V	-	-	-80.66	15.74	42.08	-53.17	-13.00	-40.17

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

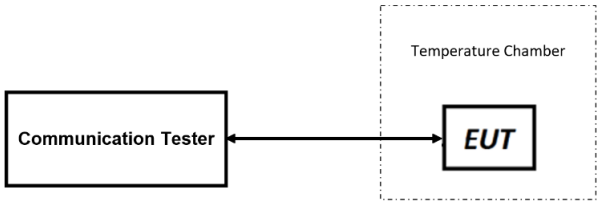


Figure 7-13. LTE Test Instrument & Measurement Setup

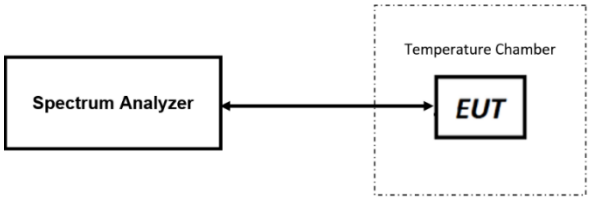


Figure 7-14. FR1 Test Instrument & Measurement Setup

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	3.45013325	-0.00013325
		- 20	3.45068114	-0.00068114
		- 10	3.45050617	-0.00050617
		0	3.45058291	-0.00058291
		+ 10	3.45017554	-0.00017554
		+ 20 (Ref)	3.45089016	-0.00089016
		+ 30	3.45020376	-0.00020376
		+ 40	3.45042614	-0.00042614
		+ 50	3.45080170	-0.00080170
Battery Endpoint	3.40	+ 20	3.45044008	-0.00044008

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	3.54904693	-0.00095307
		- 20	3.54942315	-0.00057685
		- 10	3.54996969	-0.00003031
		0	3.54916535	-0.00083465
		+ 10	3.54988924	-0.00011076
		+ 20 (Ref)	3.54908938	-0.00091062
		+ 30	3.54902574	-0.00097426
		+ 40	3.54940588	-0.00059412
		+ 50	3.54934191	-0.00065809
Battery Endpoint	3.40	+ 20	3.54951492	-0.00048508

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	3.70044294	-0.00044294
		- 20	3.70084072	-0.00084072
		- 10	3.70011829	-0.00011829
		0	3.70025168	-0.00025168
		+ 10	3.70044338	-0.00044338
		+ 20 (Ref)	3.70033795	-0.00033795
		+ 30	3.70096178	-0.00096178
		+ 40	3.70025643	-0.00025643
		+ 50	3.70067411	-0.00067411
Battery Endpoint	3.40	+ 20	3.70048395	-0.00048395

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	3.97935555	-0.00064445
		- 20	3.97910583	-0.00089417
		- 10	3.97928157	-0.00071843
		0	3.97913280	-0.00086720
		+ 10	3.97998639	-0.00001361
		+ 20 (Ref)	3.97998841	-0.00001159
		+ 30	3.97940337	-0.00059663
		+ 40	3.97928775	-0.00071225
		+ 50	3.97921745	-0.00078255
Battery Endpoint	3.40	+ 20	3.97995066	-0.00004934

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: BCGA2995** complies with all the requirements of Part 27 of the FCC rules.