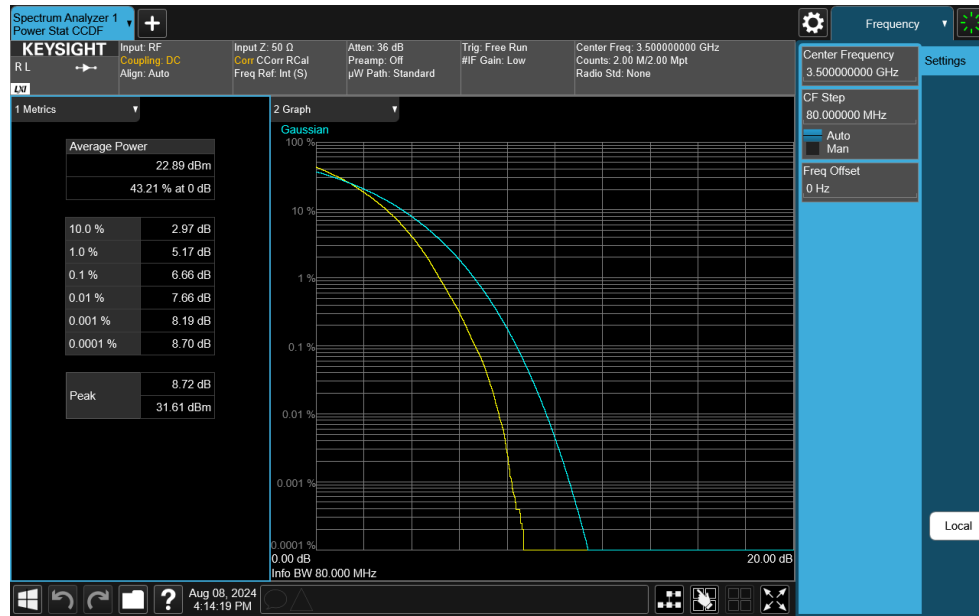
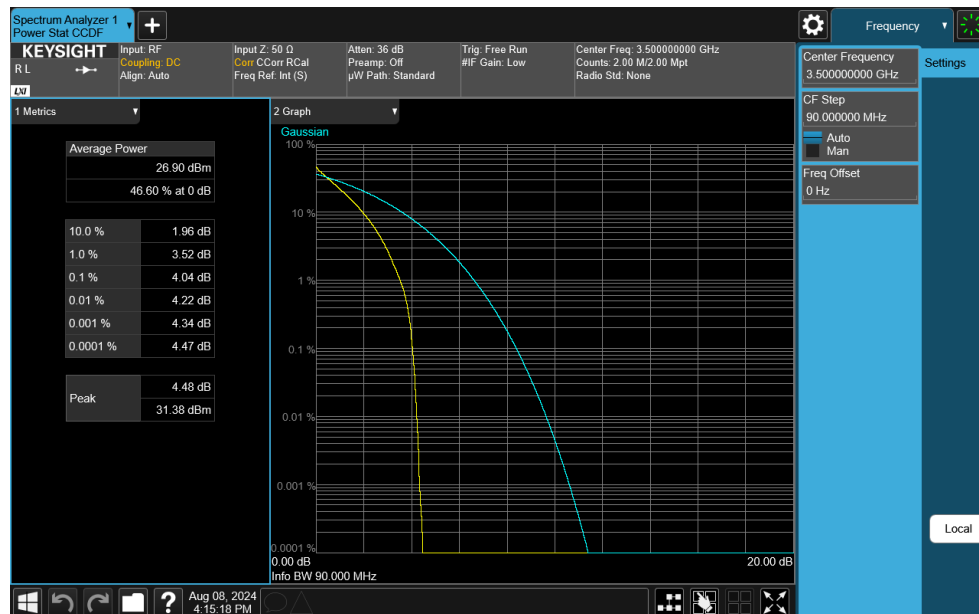




Plot 7-349. PAR Plot (NR Band n77 DoD-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)

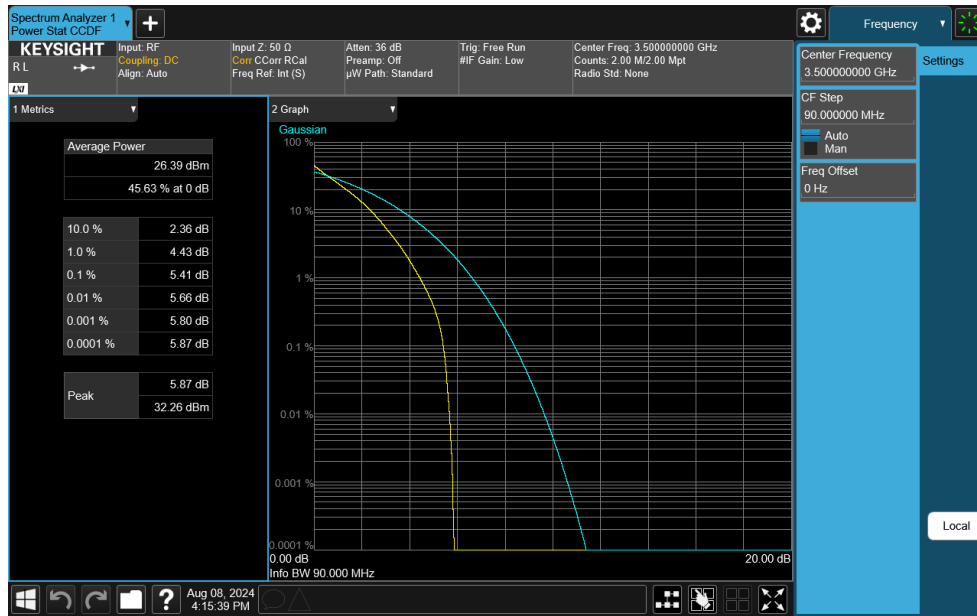


Plot 7-350. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

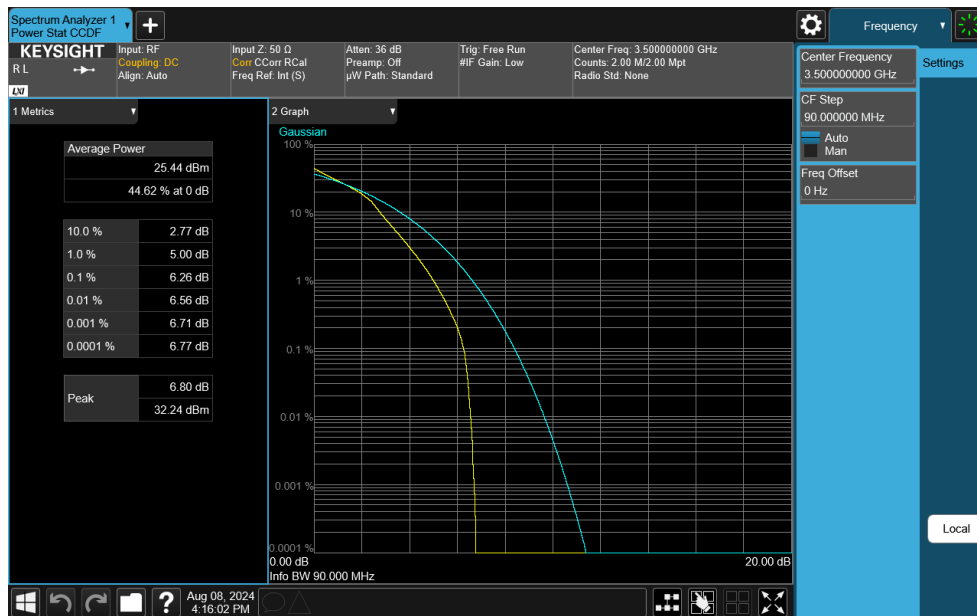
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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Plot 7-351. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM QPSK - Full RB)

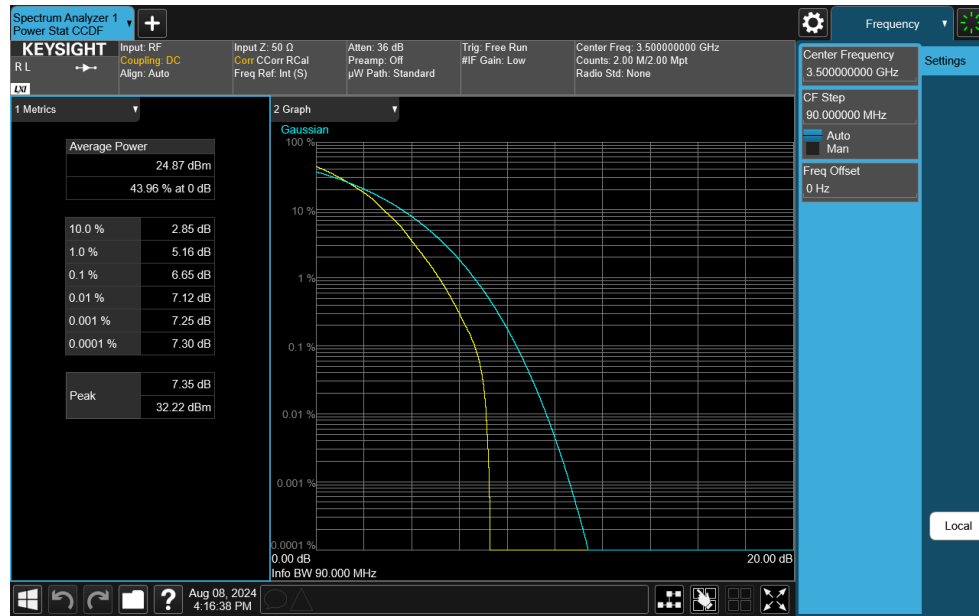


Plot 7-352. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM 16-QAM - Full RB)

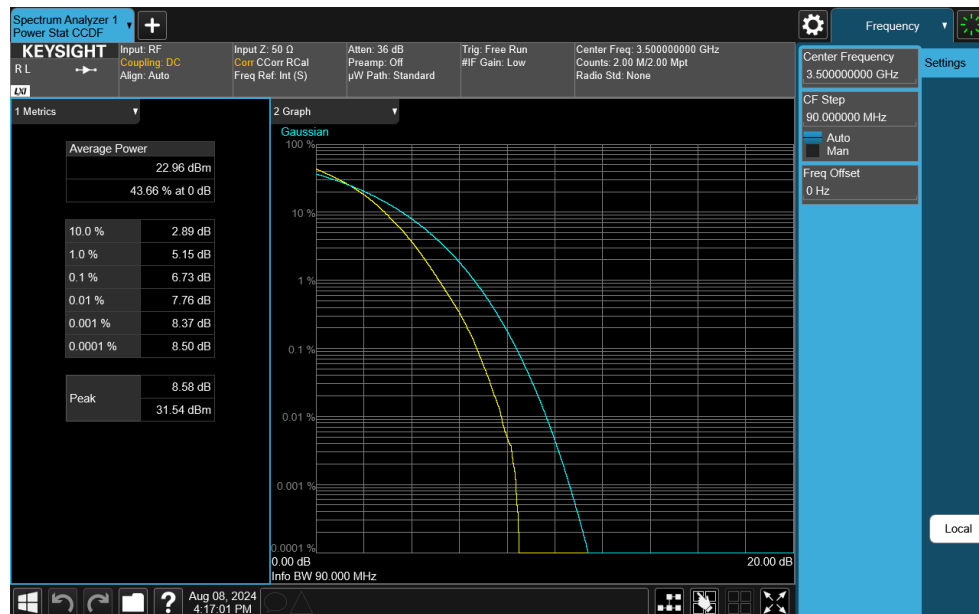
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 199 of 265

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Plot 7-353. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)

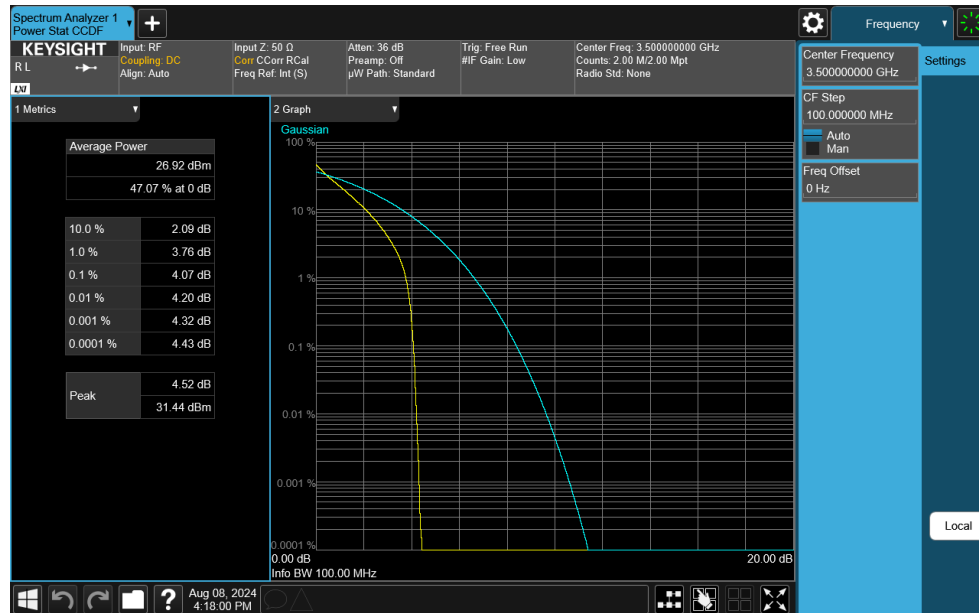


Plot 7-354. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)

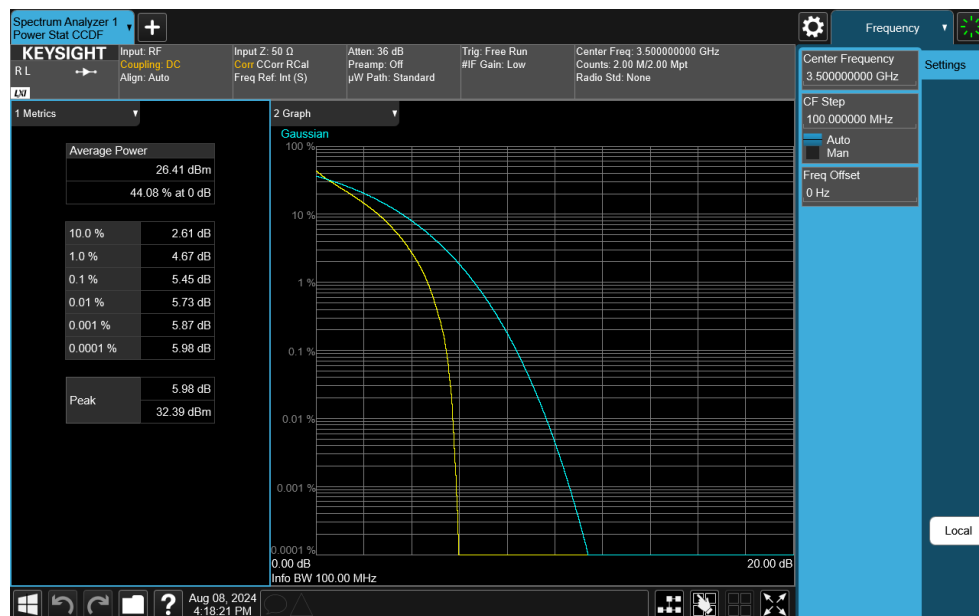
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 200 of 265

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Plot 7-355. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

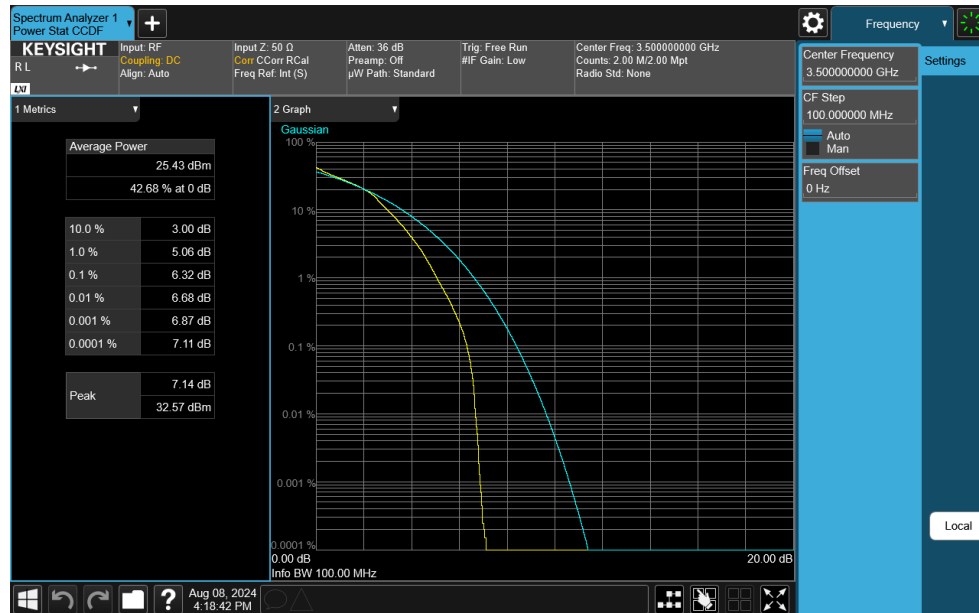


Plot 7-356. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM QPSK - Full RB)

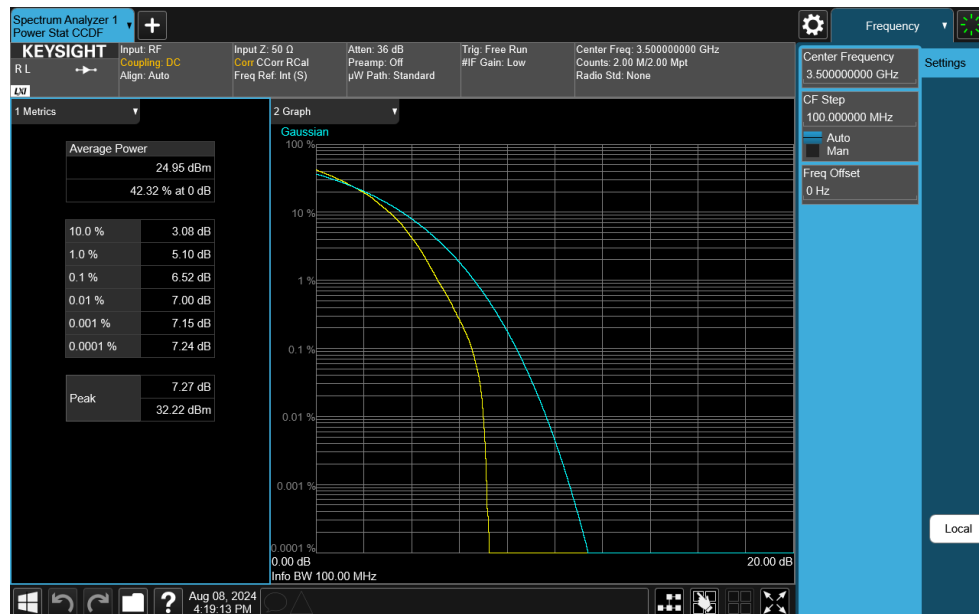
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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Plot 7-357. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM 16-QAM - Full RB)

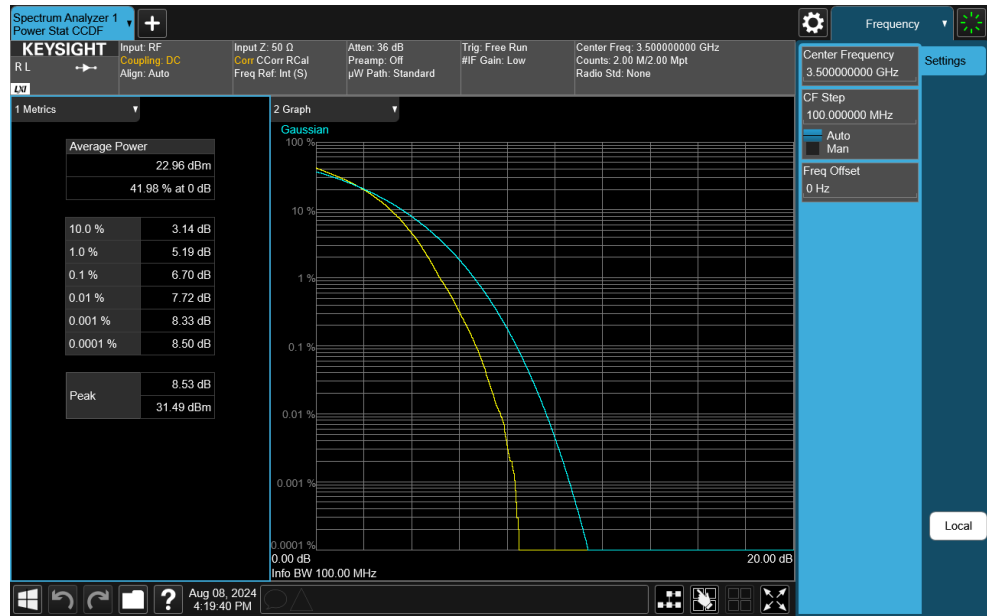


Plot 7-358. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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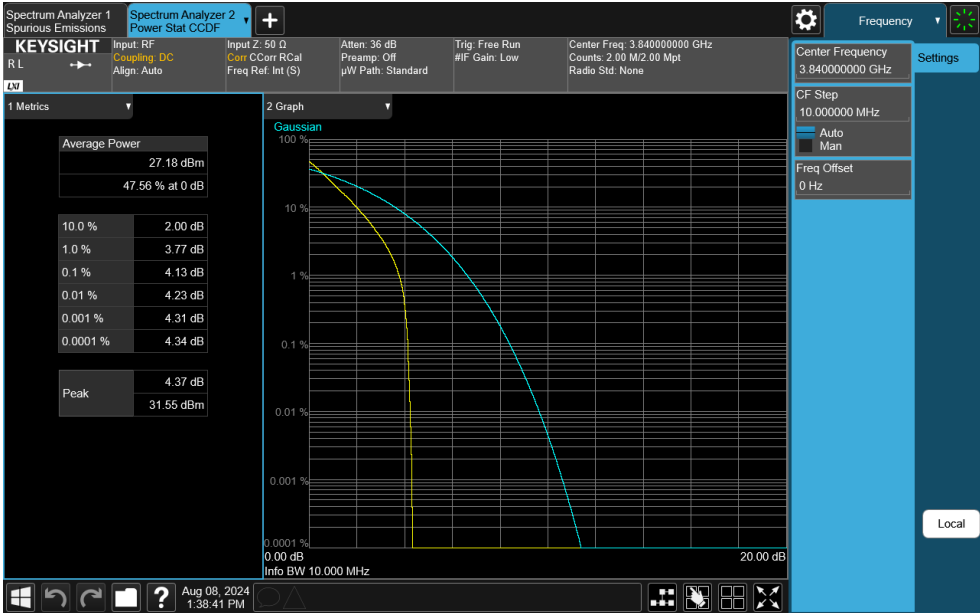
Plot 7-359. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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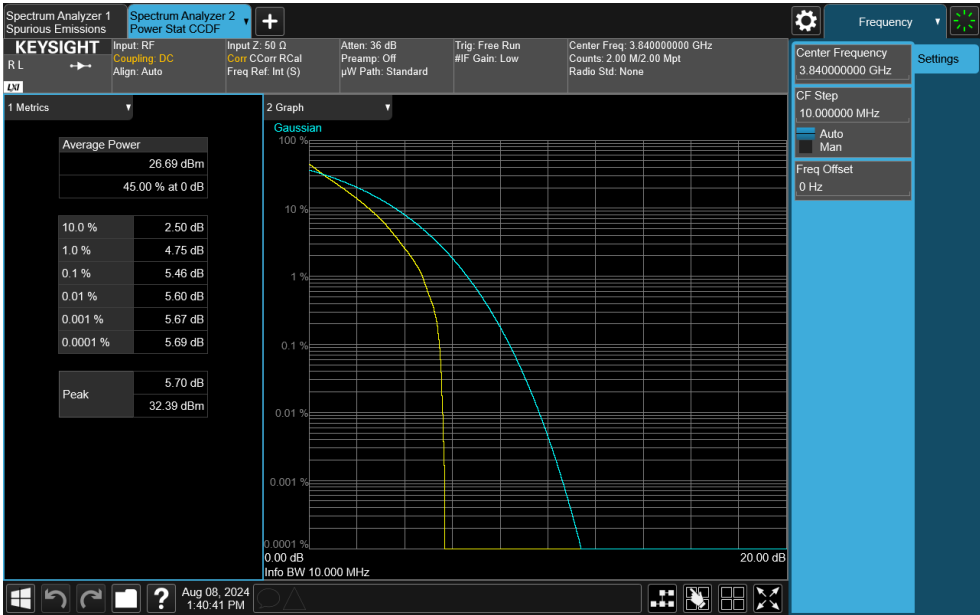
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NR Band n77 C-Band



Plot 7-360. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

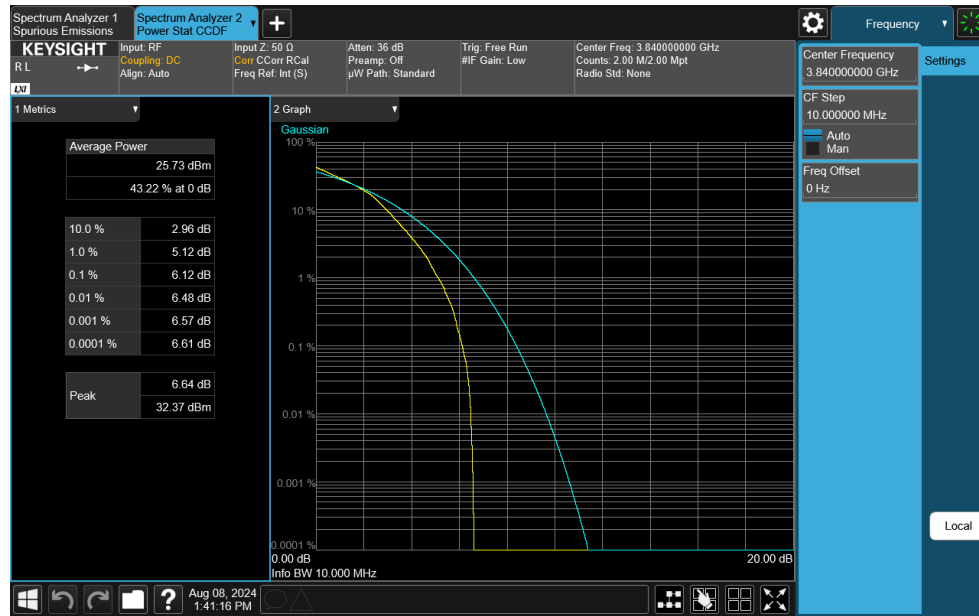


Plot 7-361. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM QPSK - Full RB)

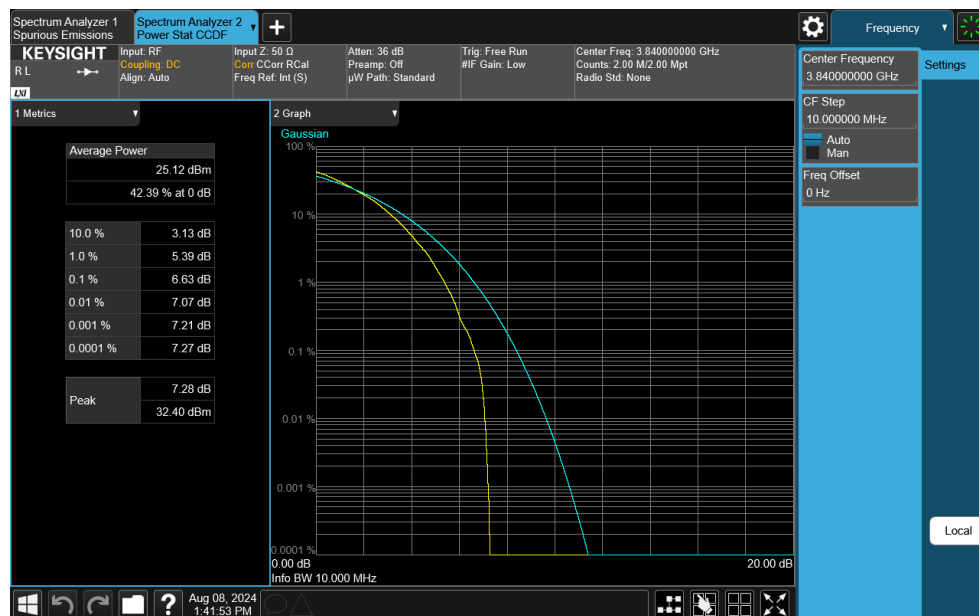
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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Plot 7-362. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM 16-QAM - Full RB)

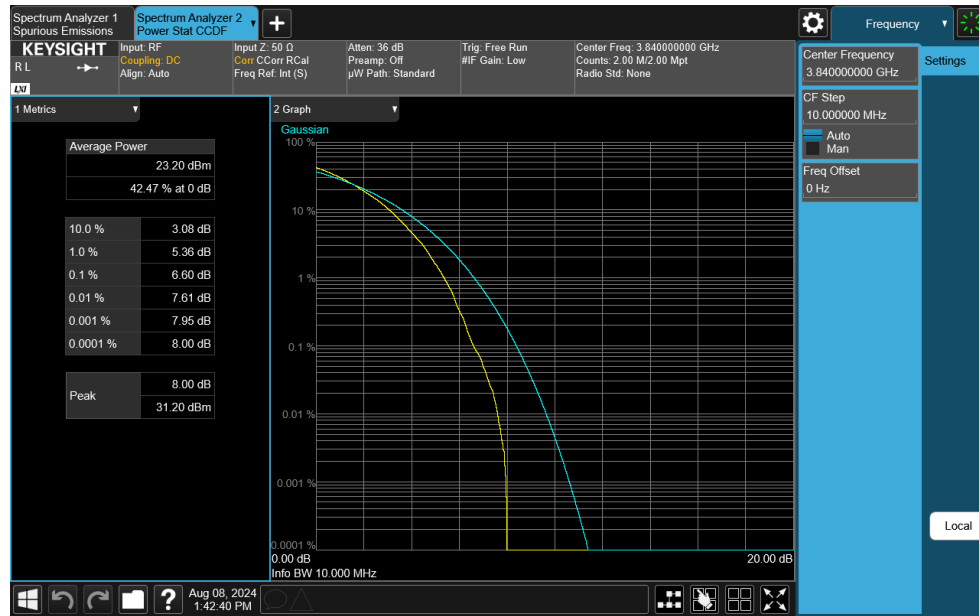


Plot 7-363. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM 64-QAM - Full RB)

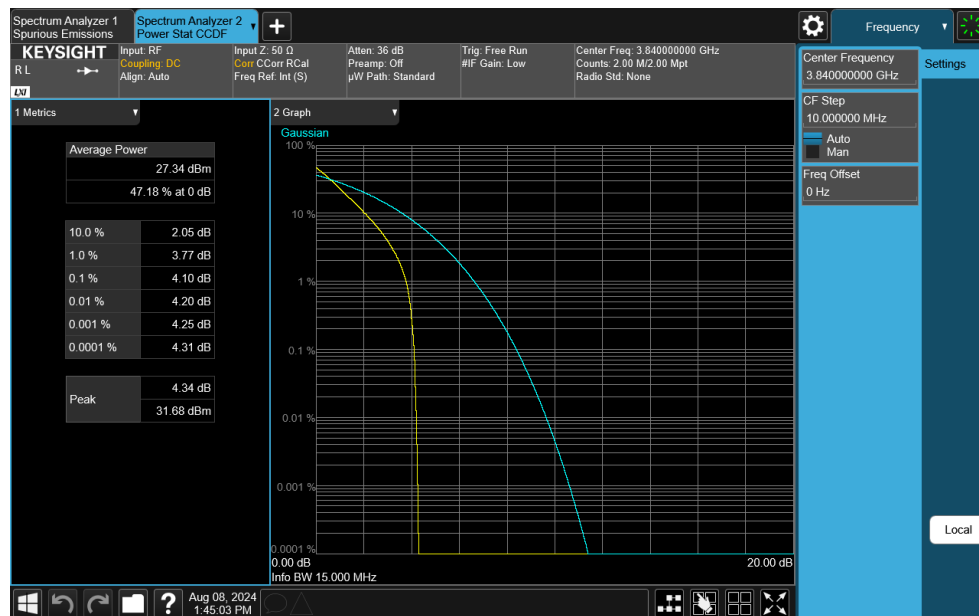
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 205 of 265

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Plot 7-364. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM 256-QAM - Full RB)

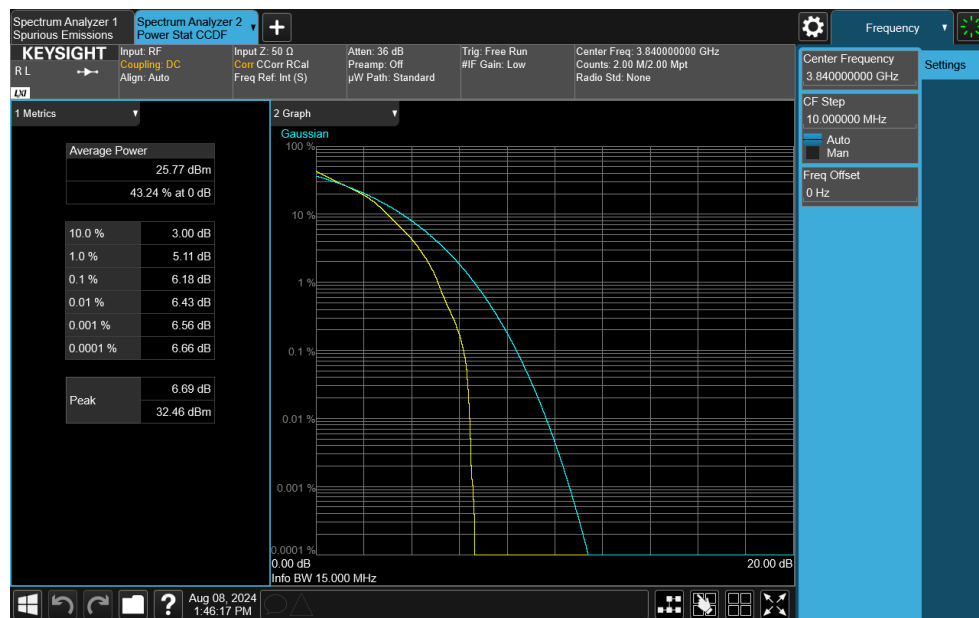
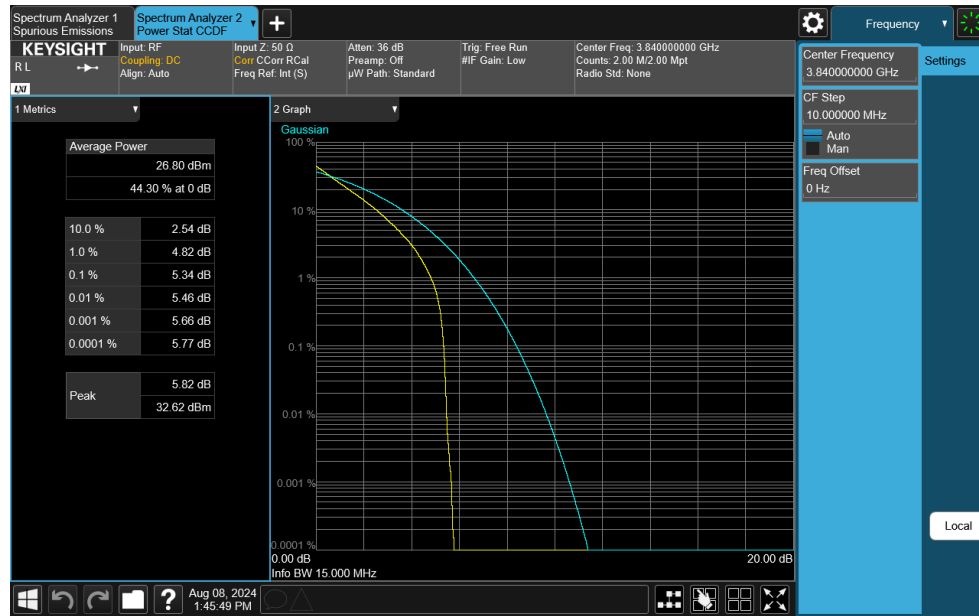


Plot 7-365. PAR Plot (NR Band n77 C-Band - 15MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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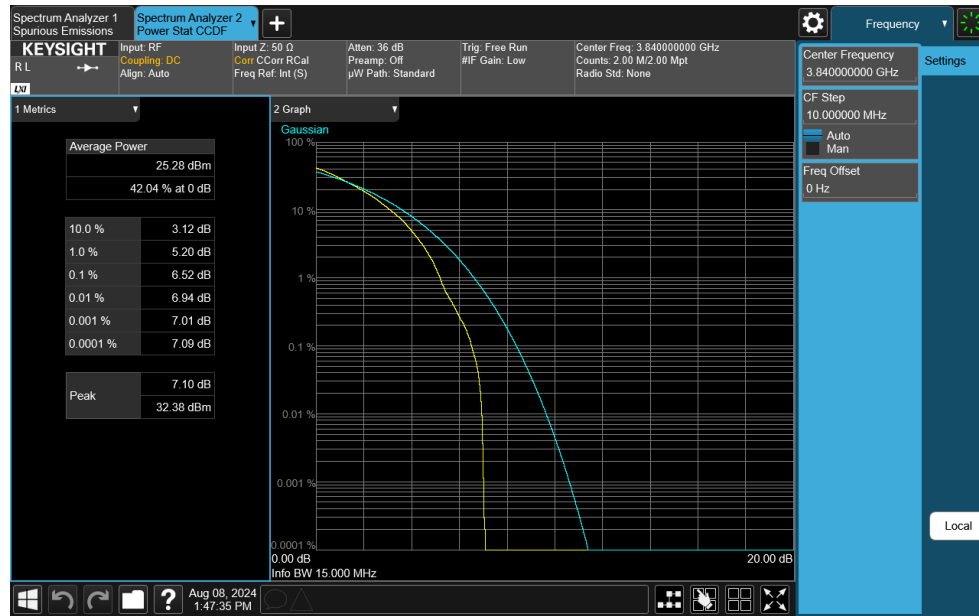
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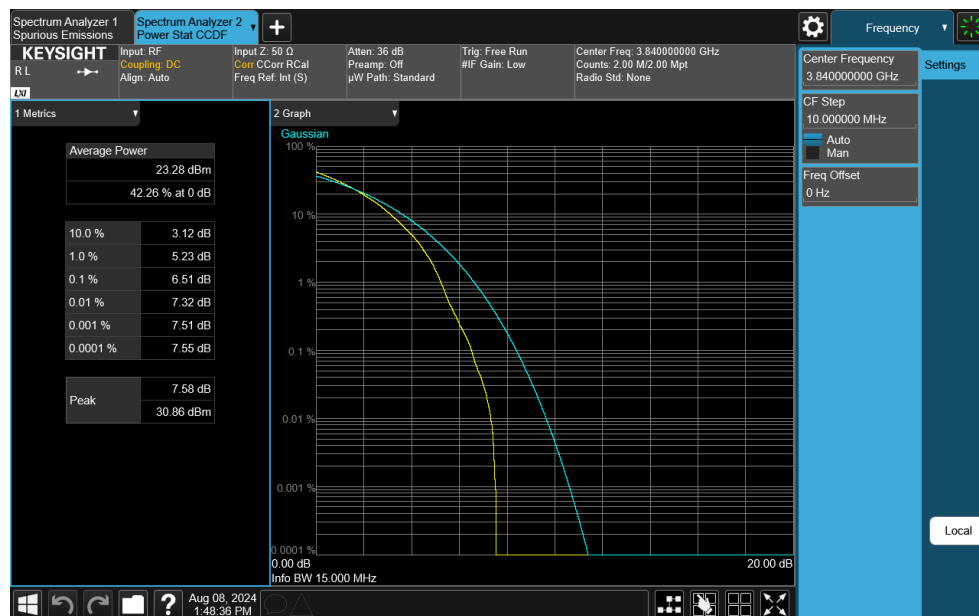
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-368. PAR Plot (NR Band n77 C-Band - 15MHz DFT-s-OFDM 64-QAM - Full RB)

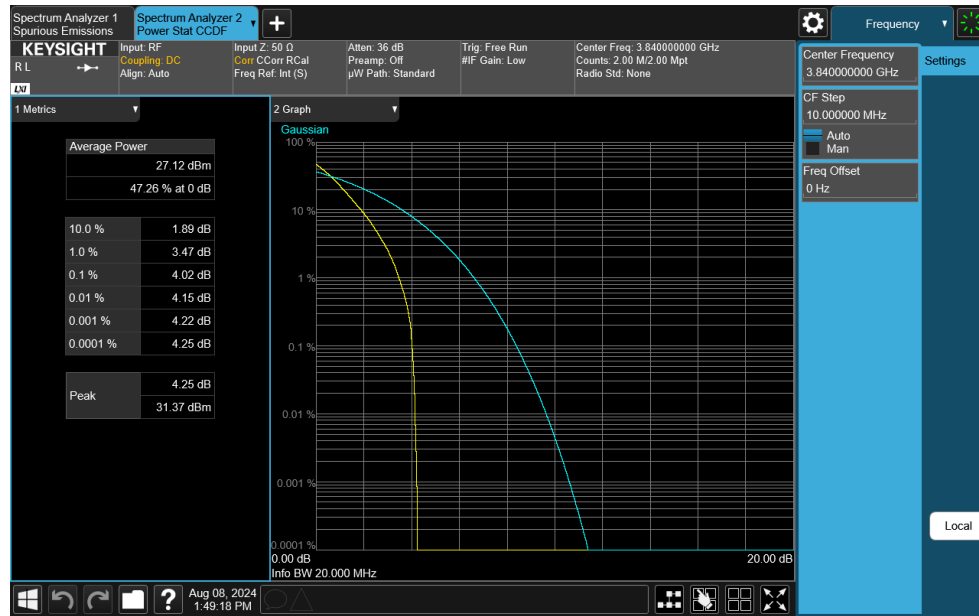


Plot 7-369. PAR Plot (NR Band n77 C-Band - 15MHz DFT-s-OFDM 256-QAM - Full RB)

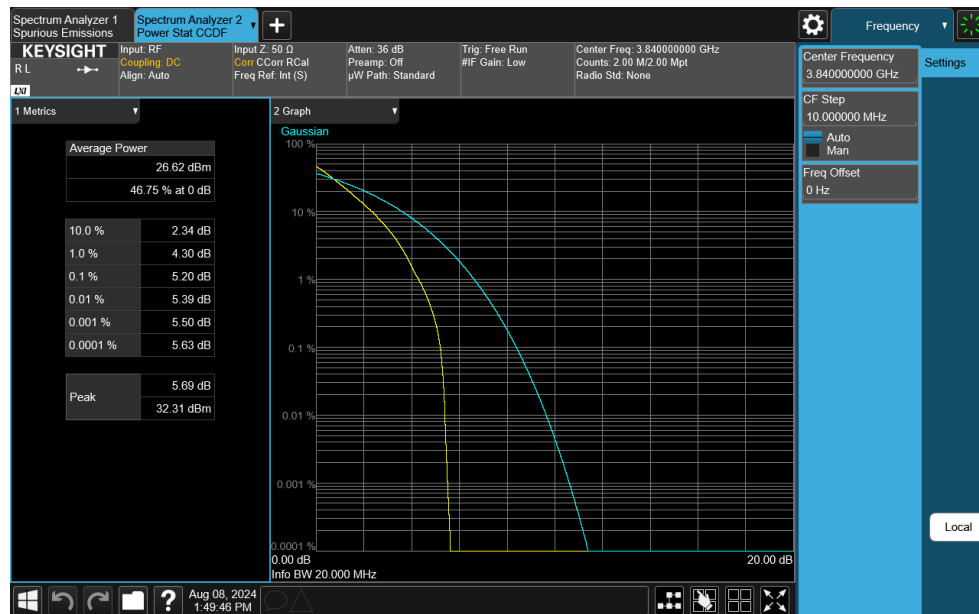
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-370. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

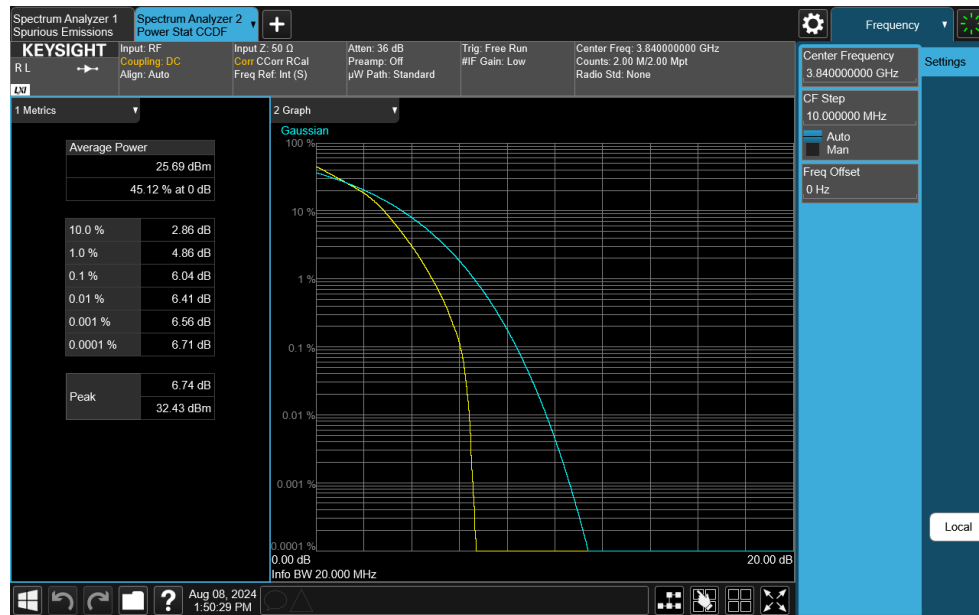


Plot 7-371. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM QPSK - Full RB)

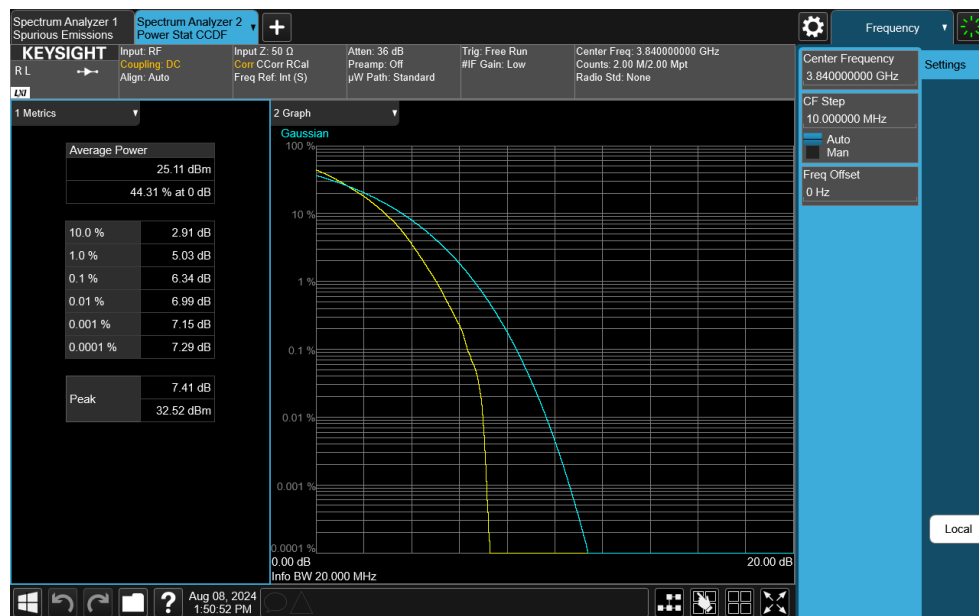
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 209 of 265

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

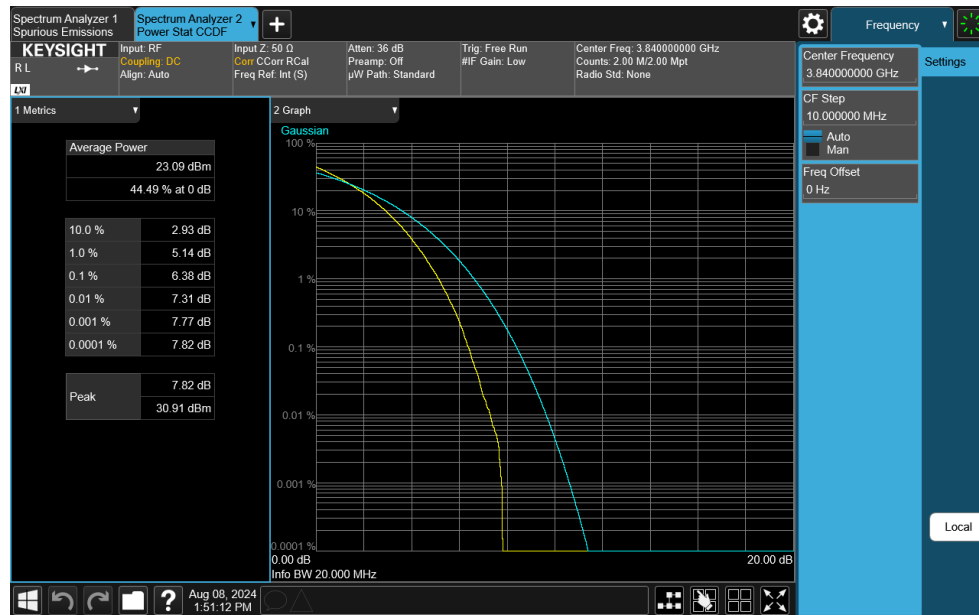


Plot 7-373. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 64-QAM - Full RB)

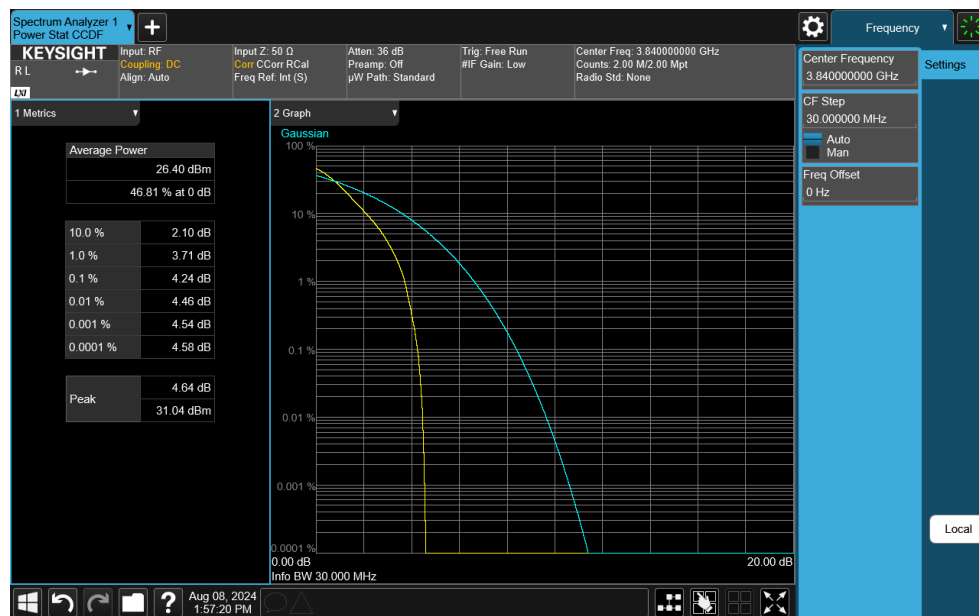
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-374. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 256-QAM - Full RB)

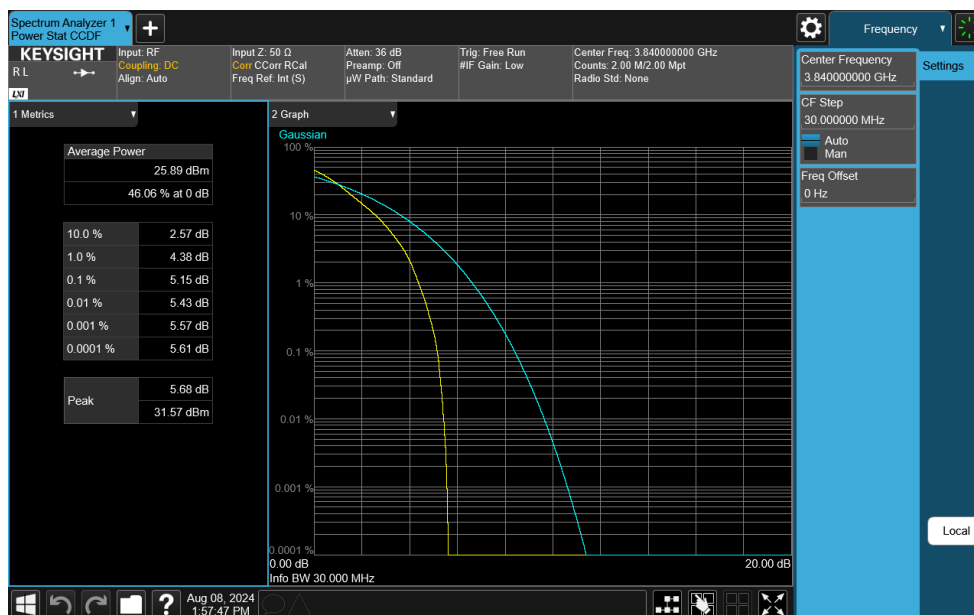


Plot 7-375. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

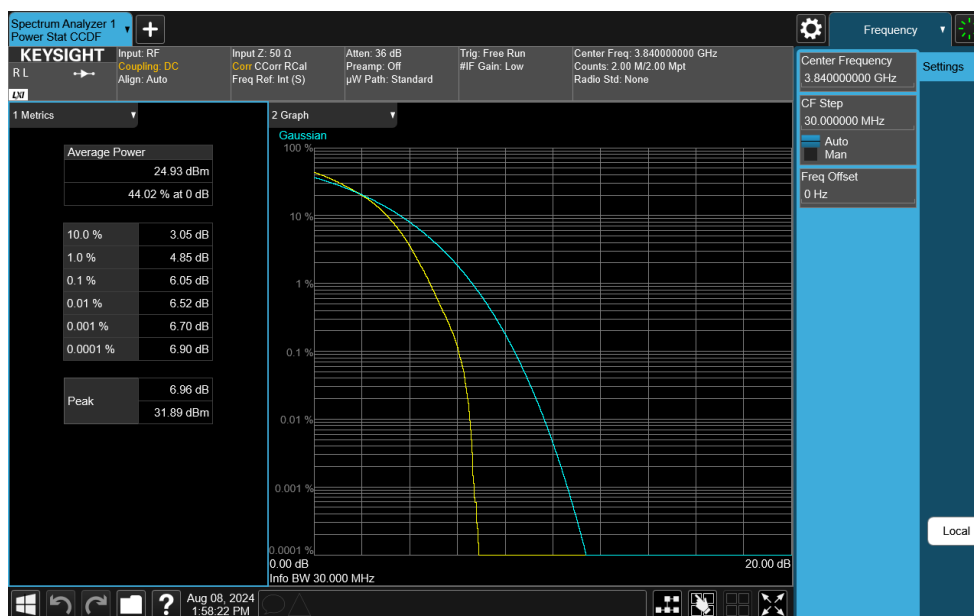
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-376. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM QPSK - Full RB)

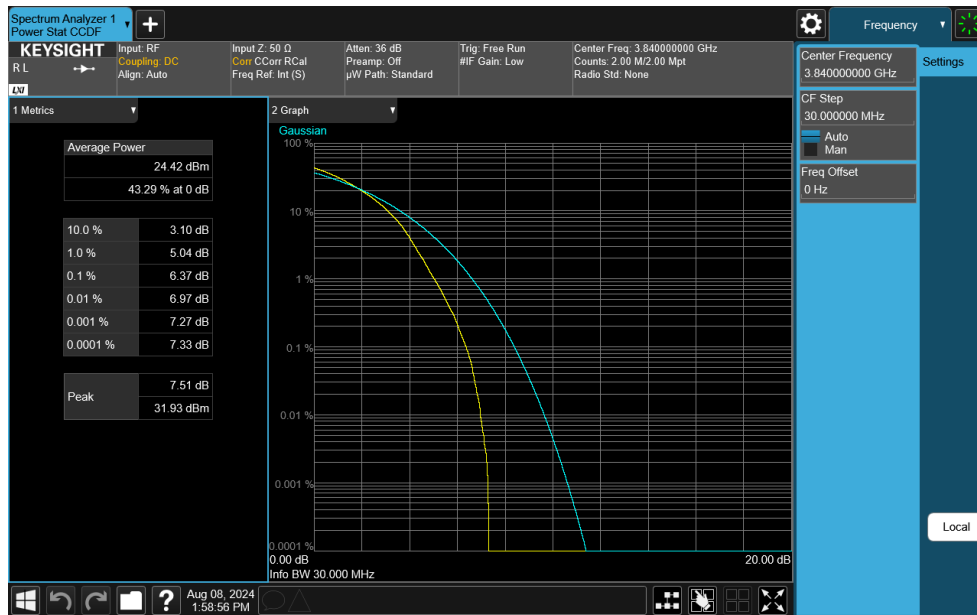


Plot 7-377. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 16-QAM - Full RB)

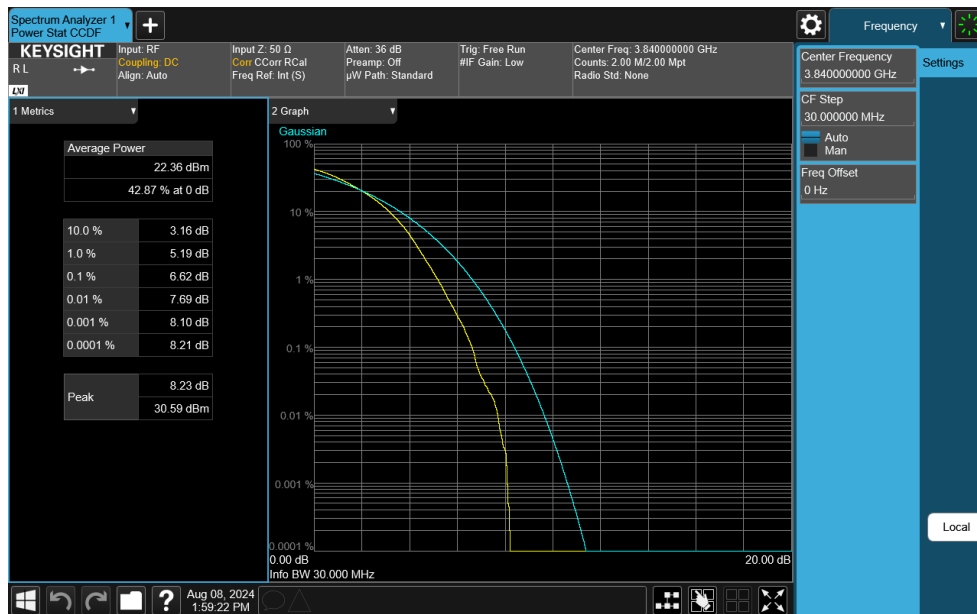
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-378. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 64-QAM - Full RB)

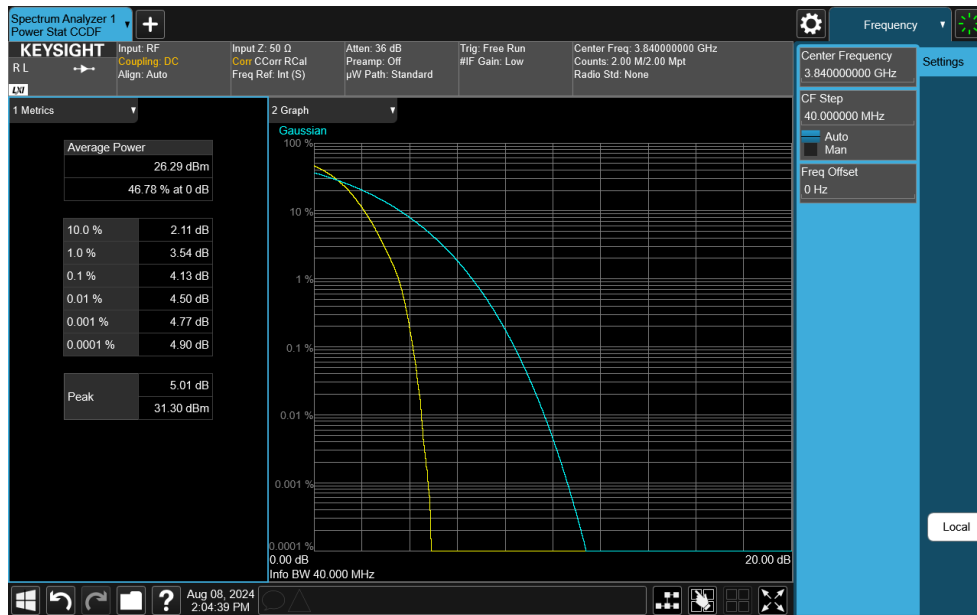


Plot 7-379. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 256-QAM - Full RB)

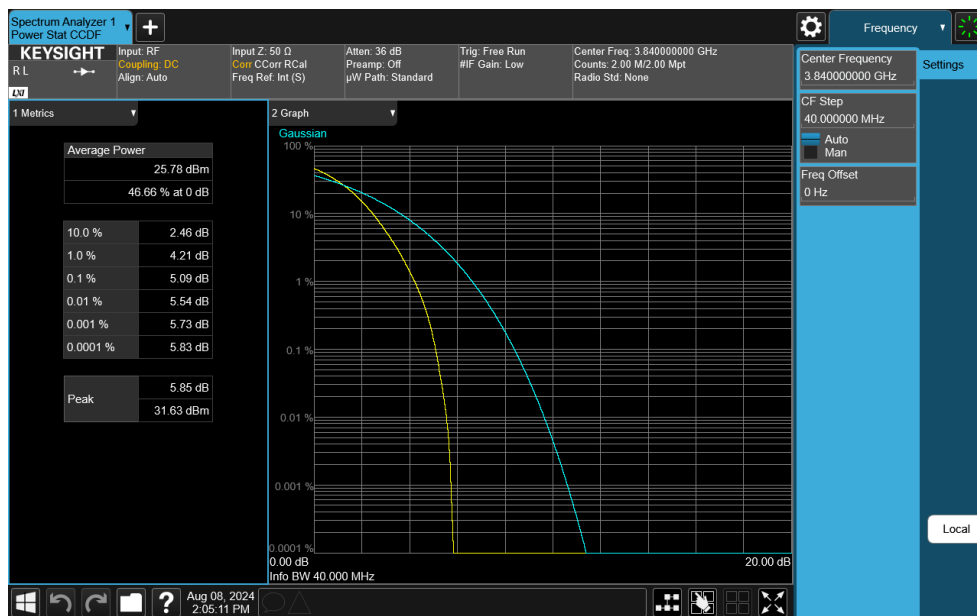
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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Plot 7-380. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

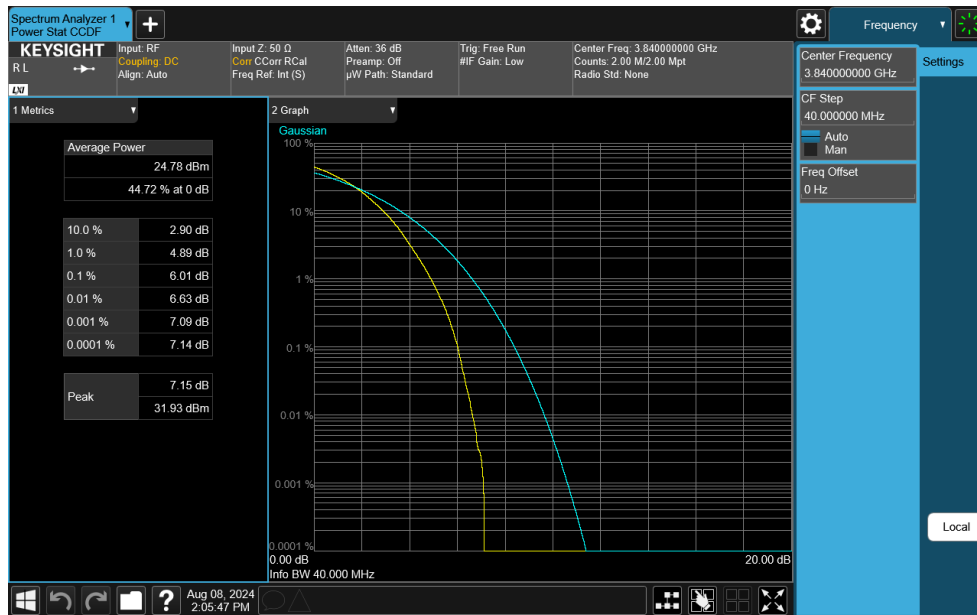


Plot 7-381. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

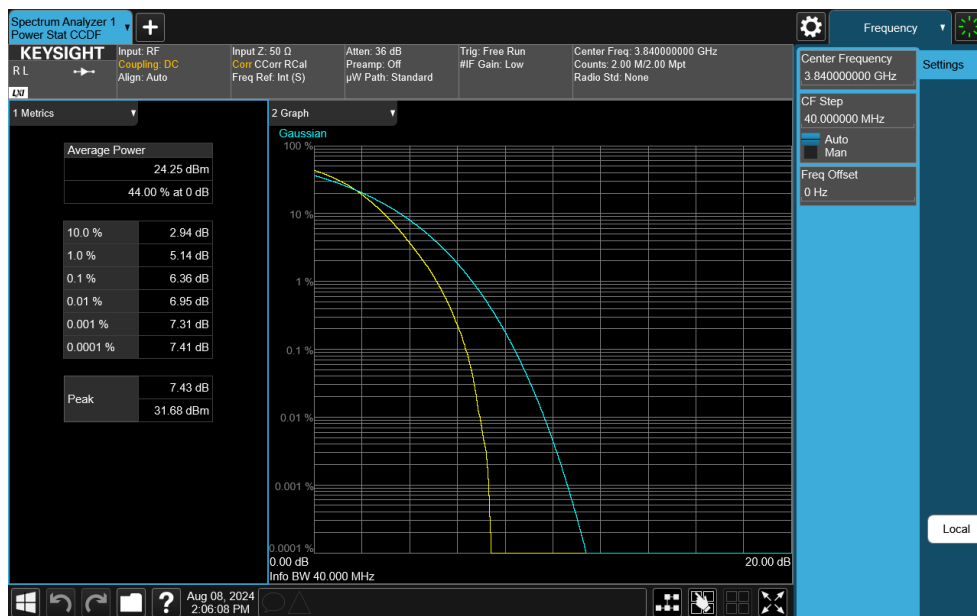
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-382. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 16-QAM - Full RB)

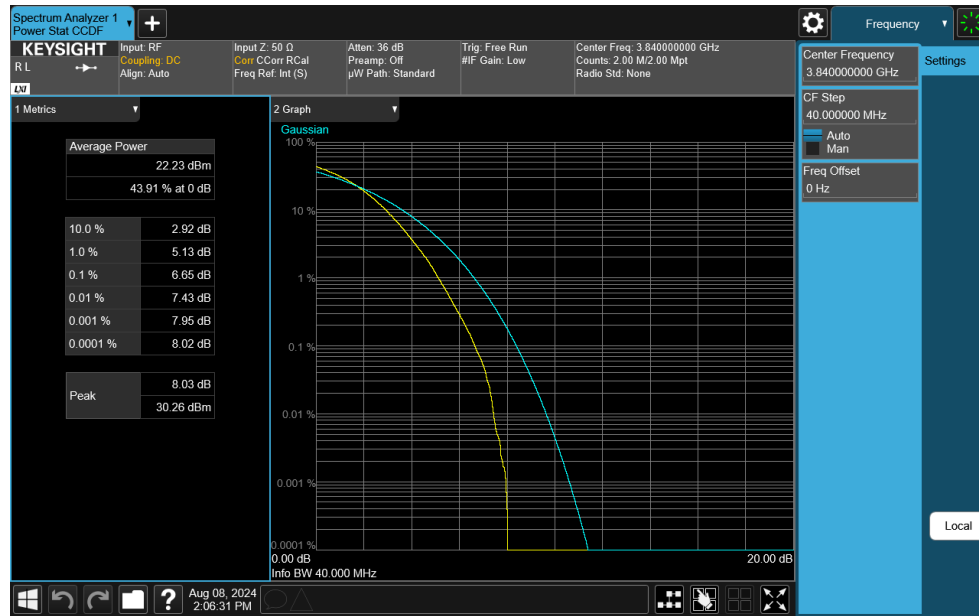


Plot 7-383. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 64-QAM - Full RB)

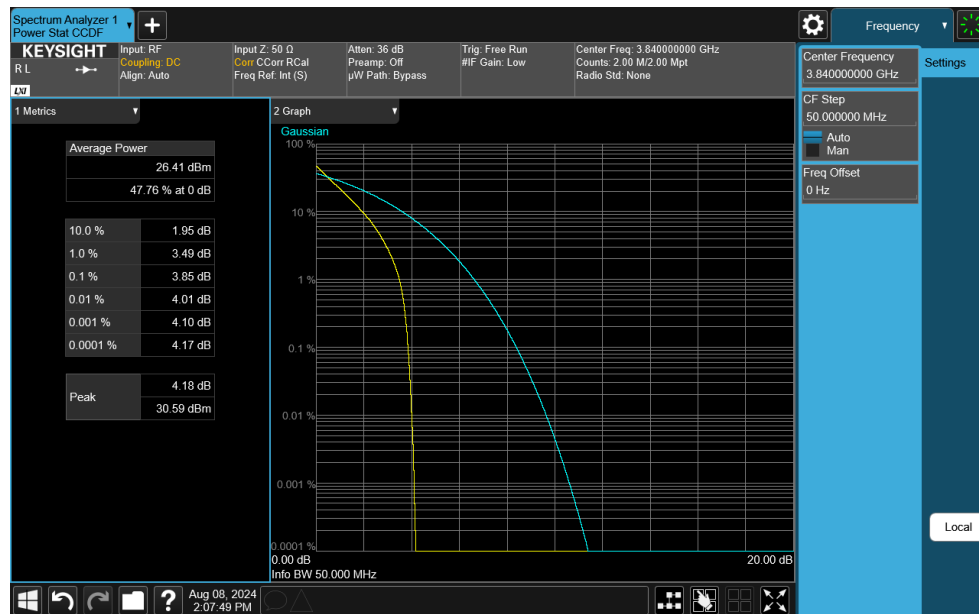
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-384. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 256-QAM - Full RB)

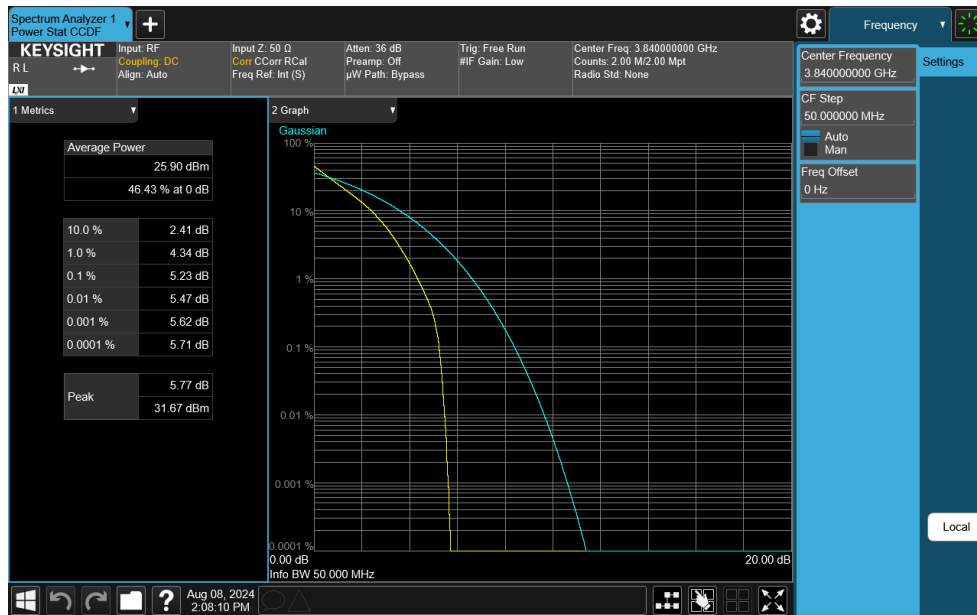


Plot 7-385. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

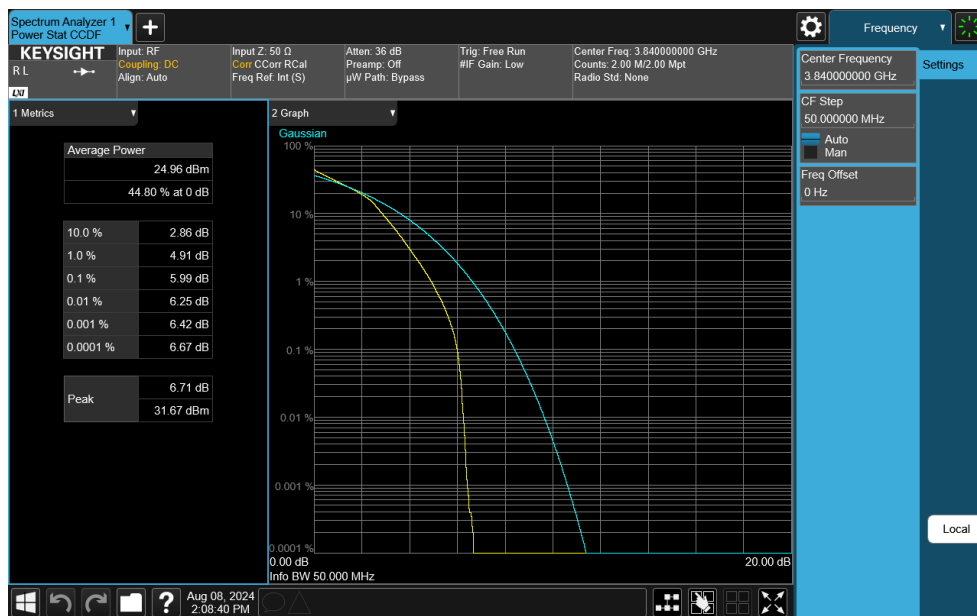
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-386. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK - Full RB)

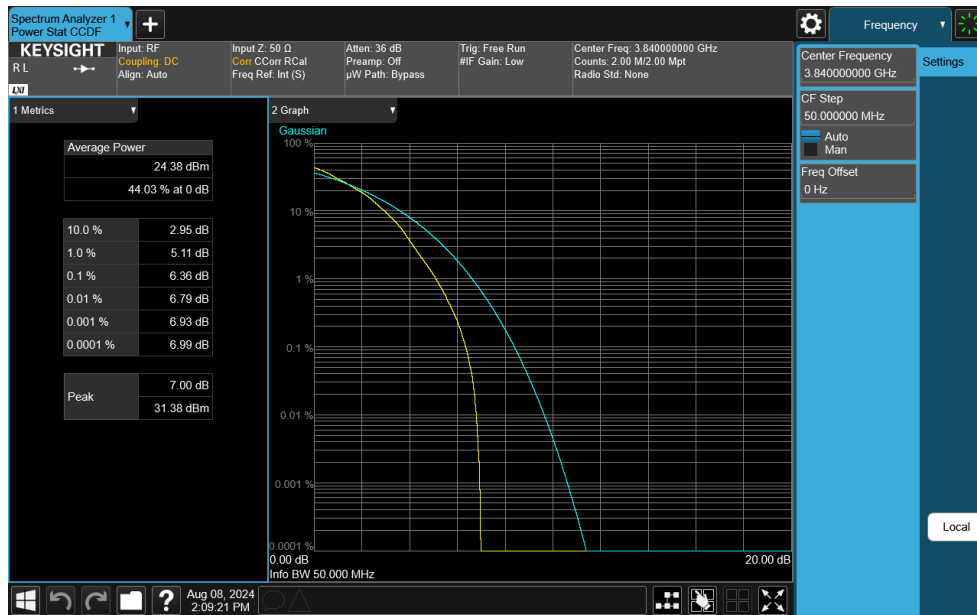


Plot 7-387. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 16-QAM - Full RB)

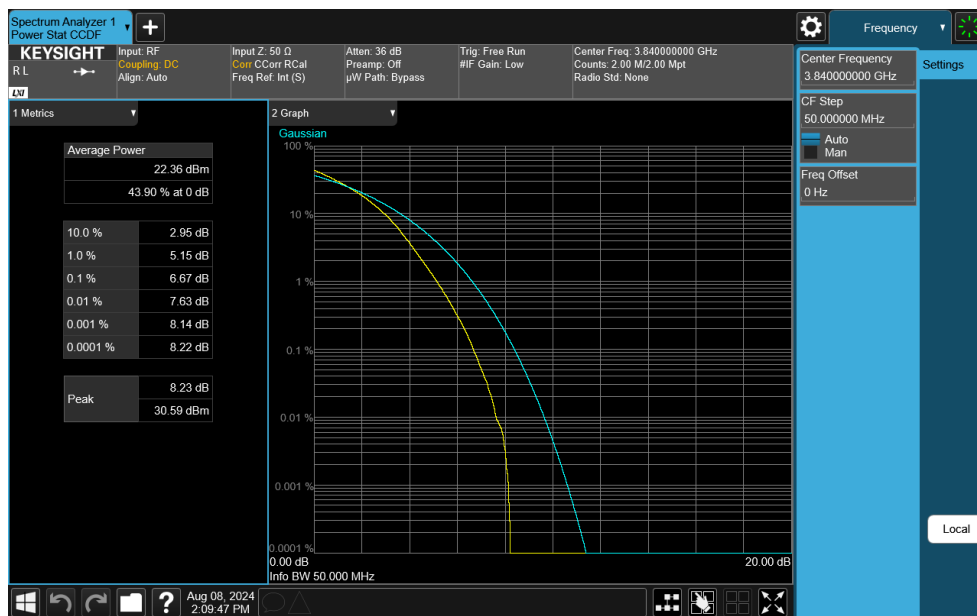
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 217 of 265

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

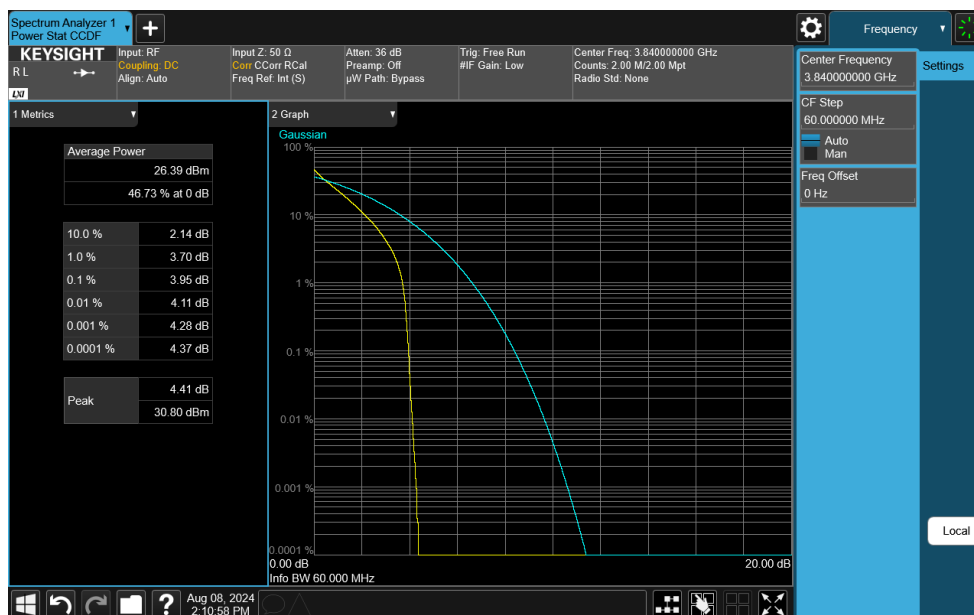


Plot 7-389. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 256-QAM - Full RB)

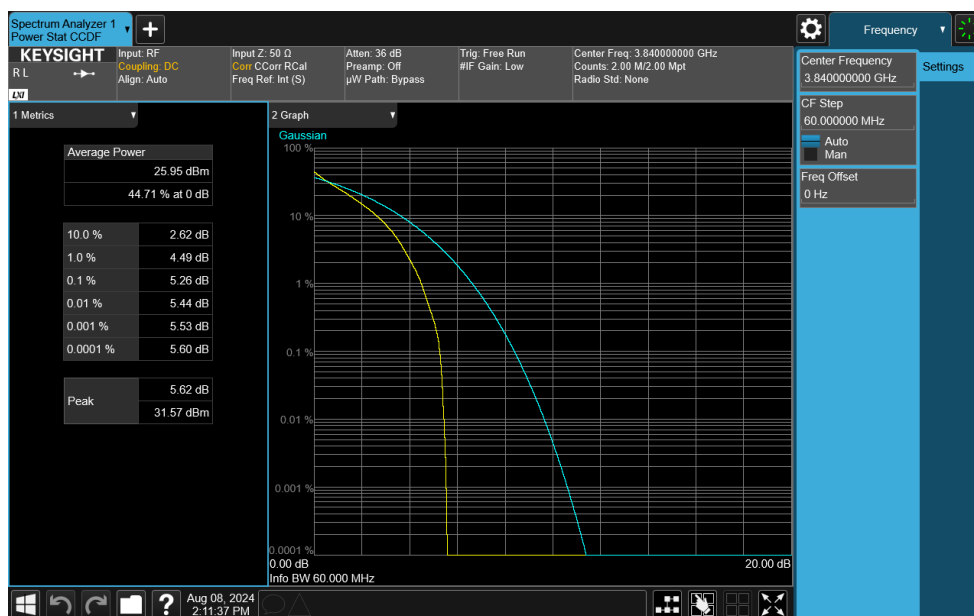
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-390. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

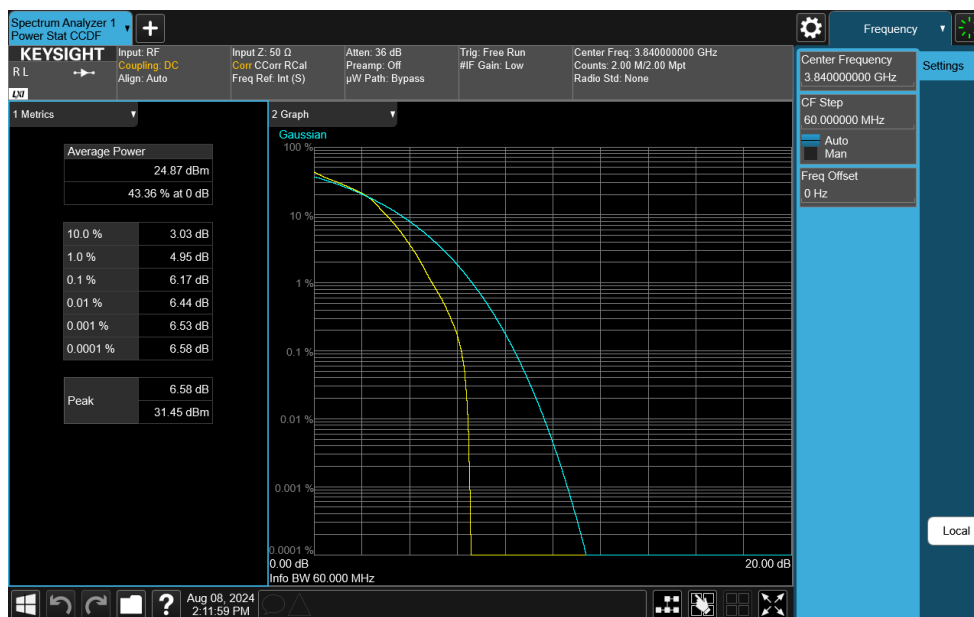


Plot 7-391. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

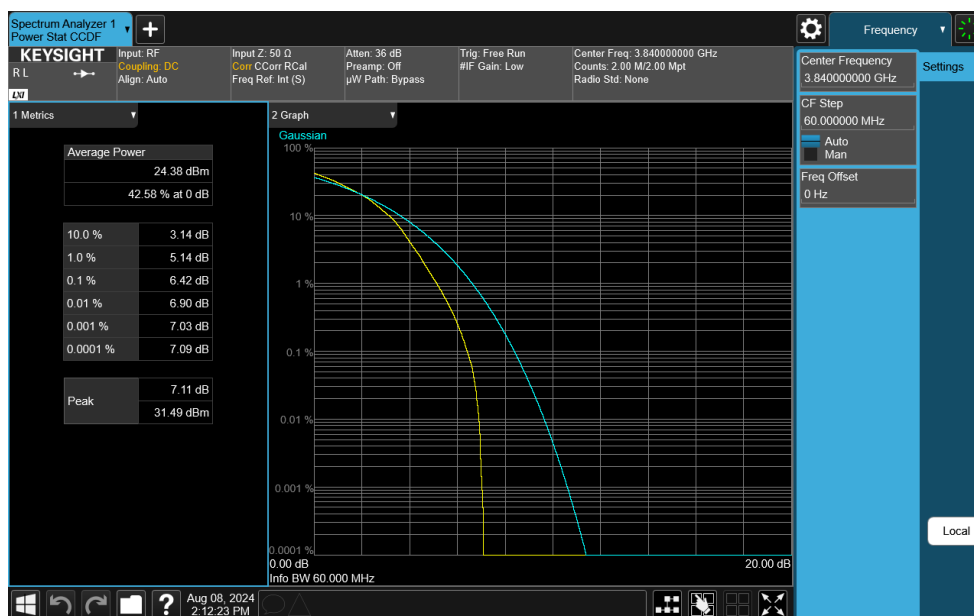
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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Plot 7-392. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 16-QAM - Full RB)

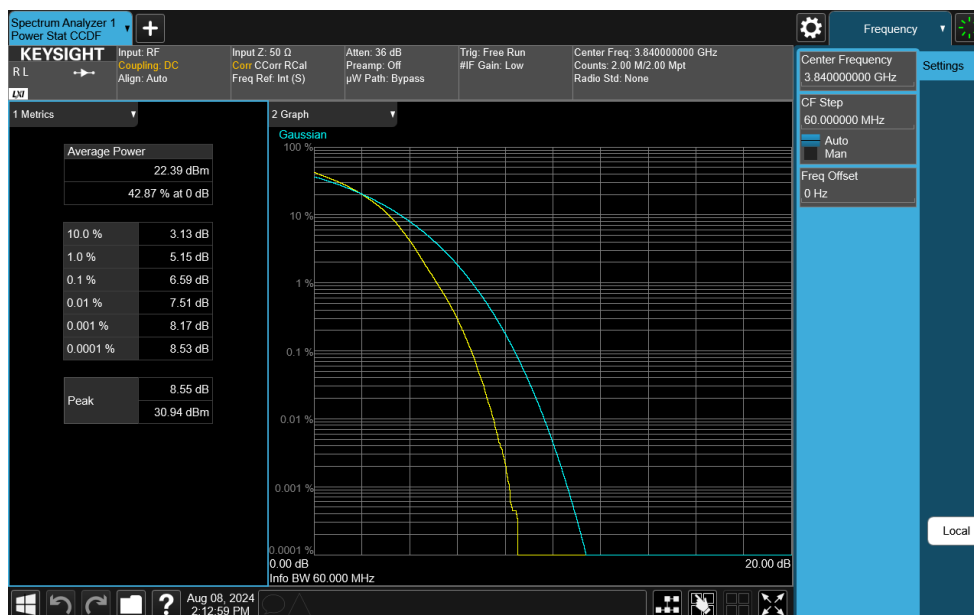


Plot 7-393. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 64-QAM - Full RB)

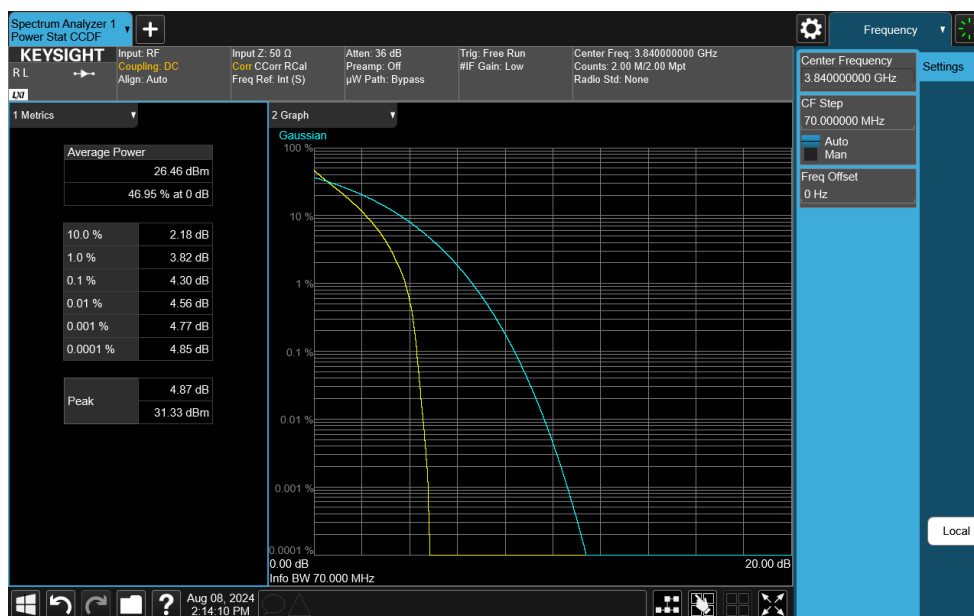
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 220 of 265

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

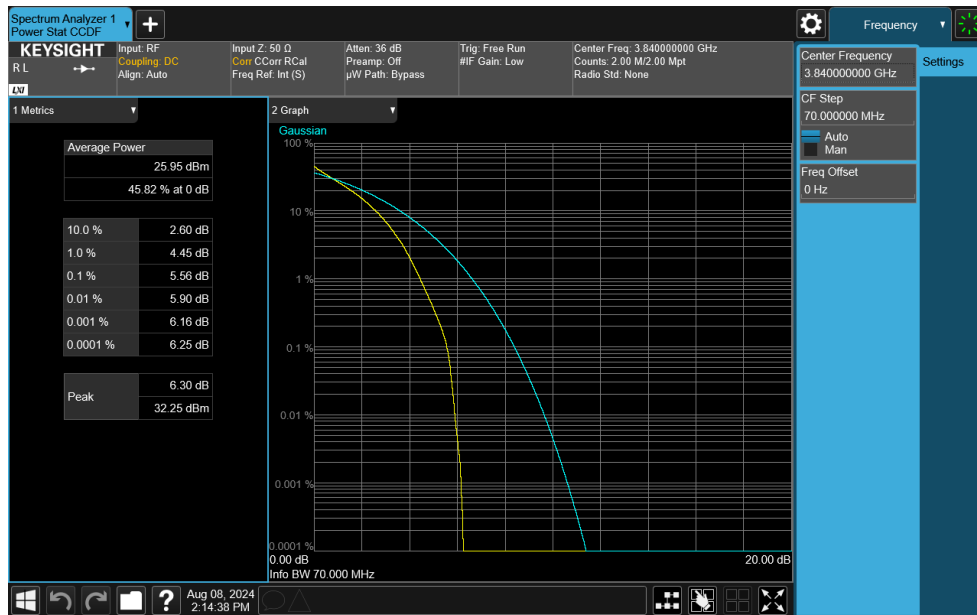


Plot 7-395. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

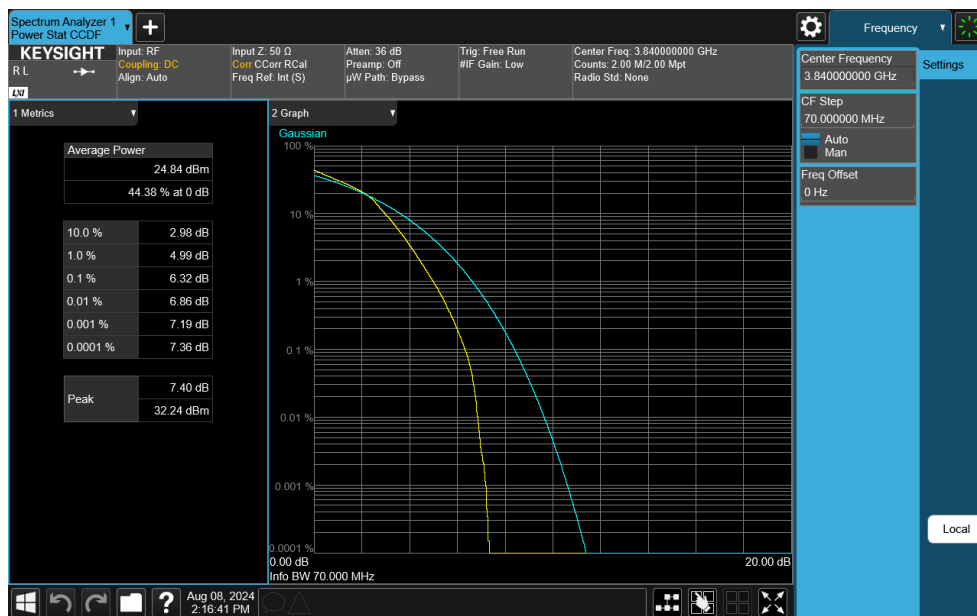
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-396. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK - Full RB)

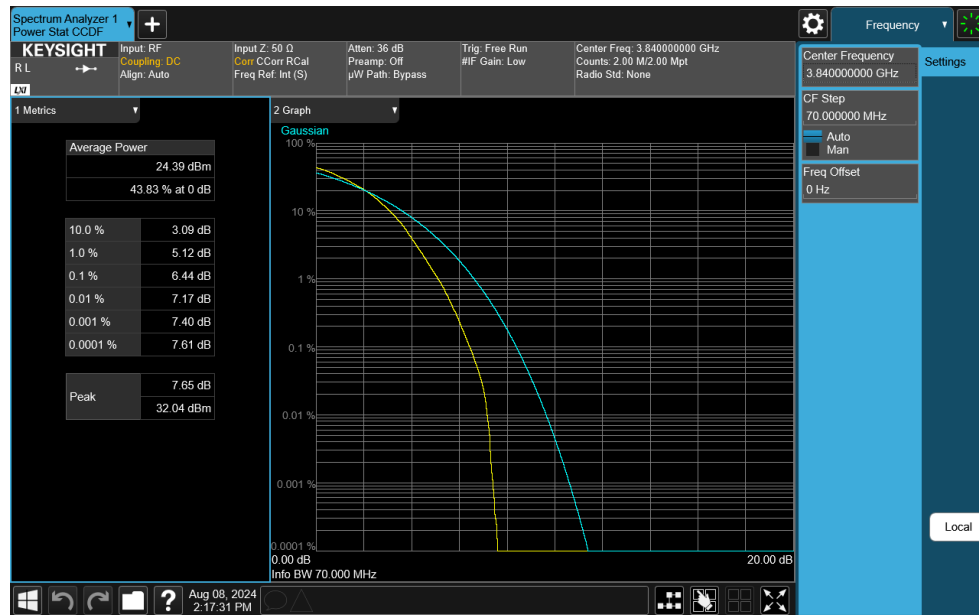


Plot 7-397. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 16-QAM - Full RB)

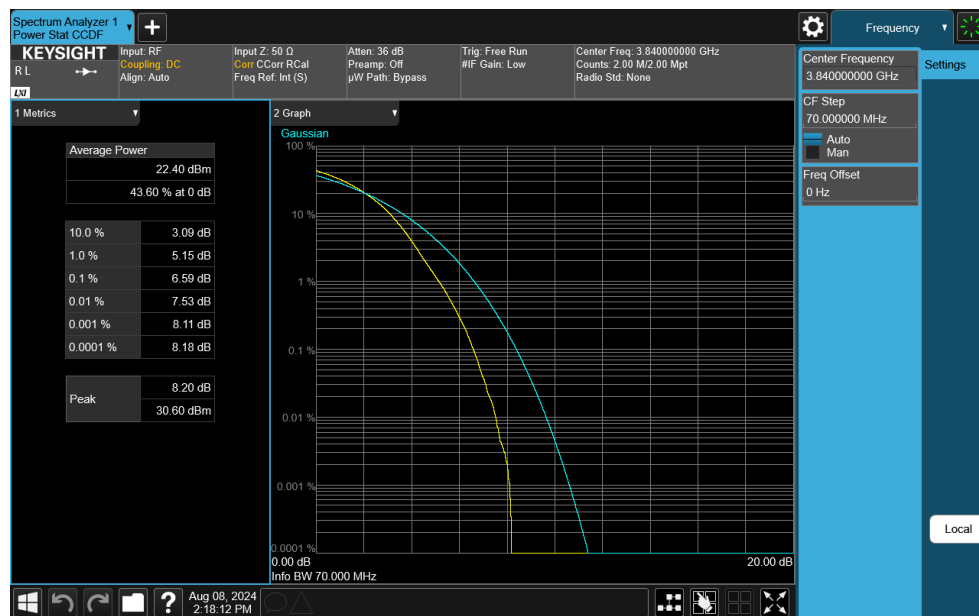
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 222 of 265

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

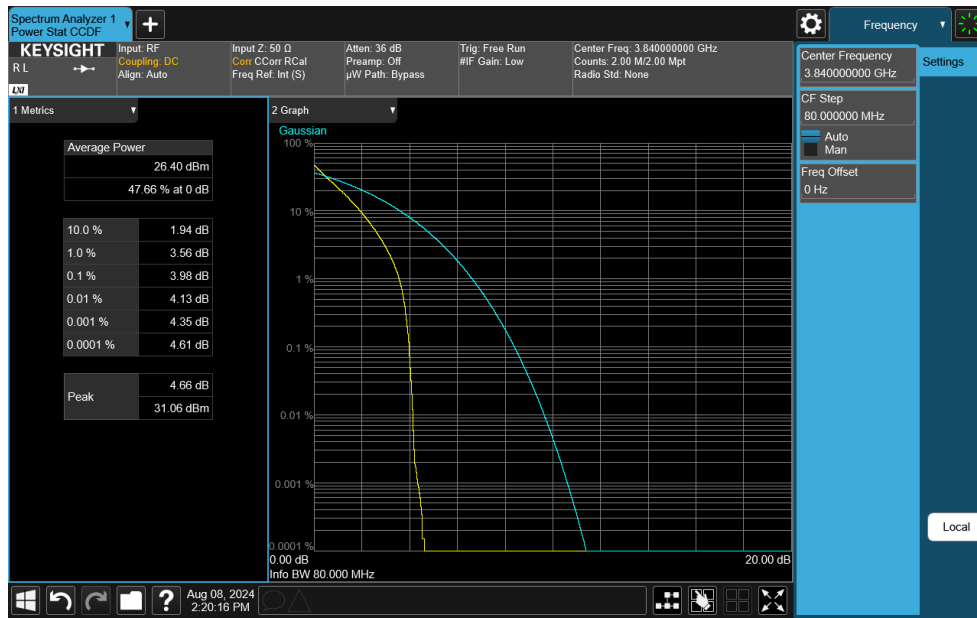


Plot 7-399. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 256-QAM - Full RB)

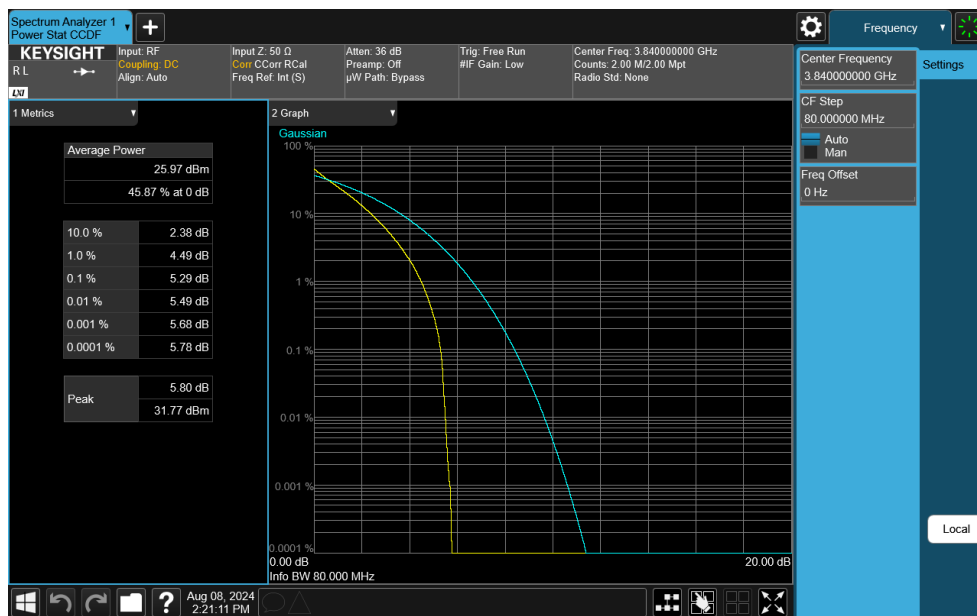
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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Plot 7-400. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

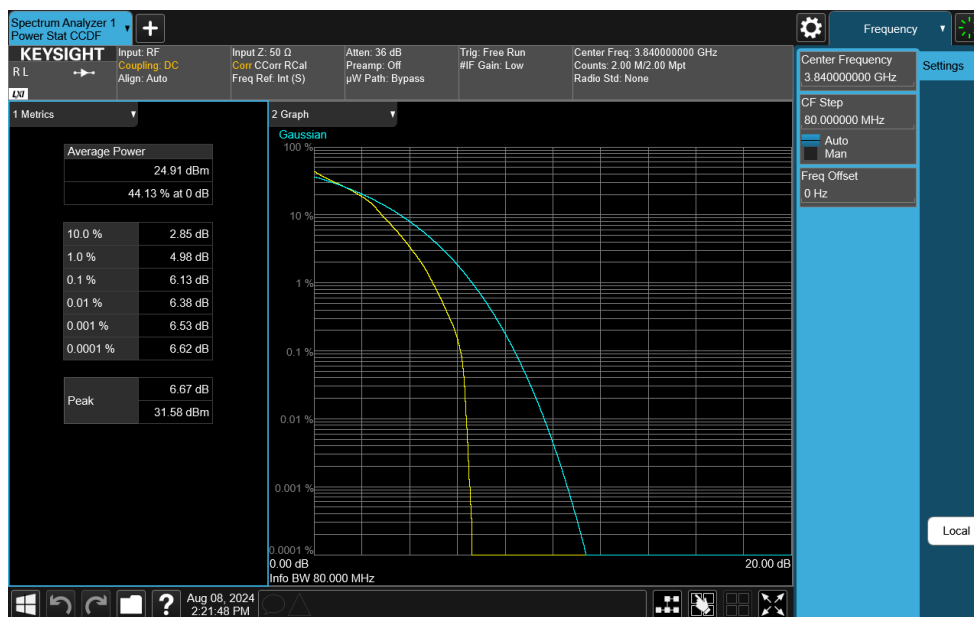


Plot 7-401. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK - Full RB)

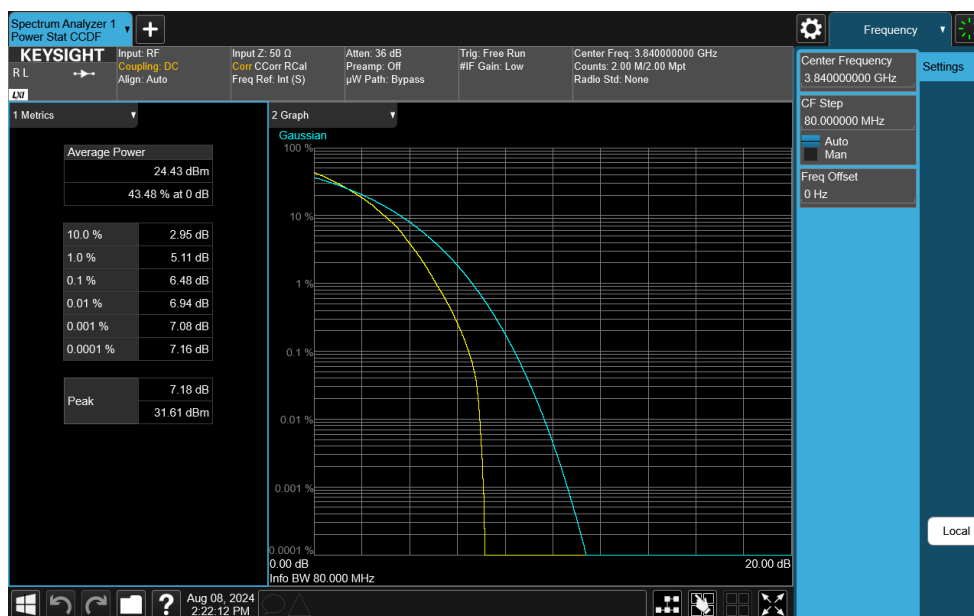
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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Plot 7-402. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 16-QAM - Full RB)

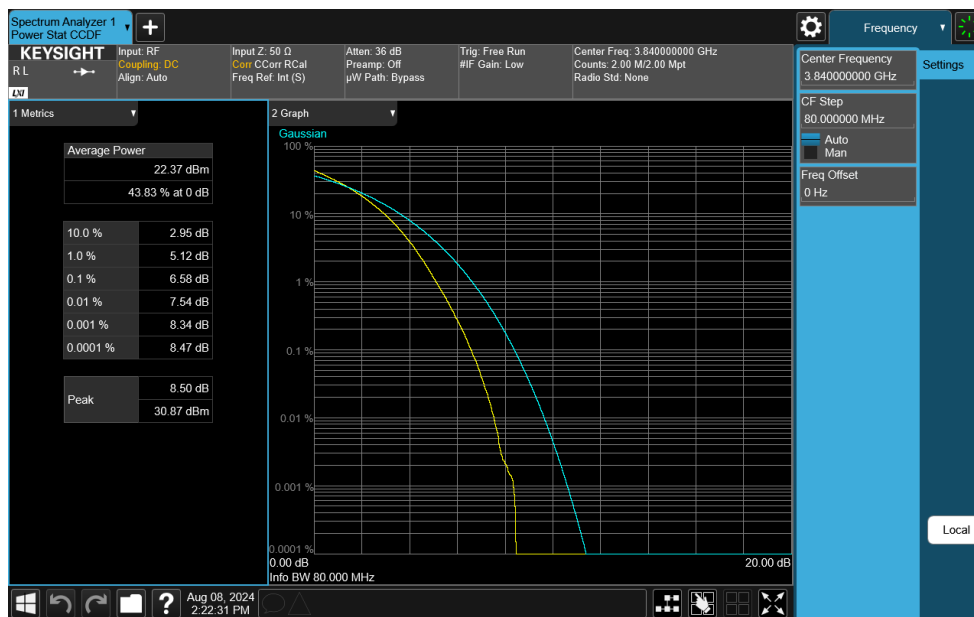


Plot 7-403. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 64-QAM - Full RB)

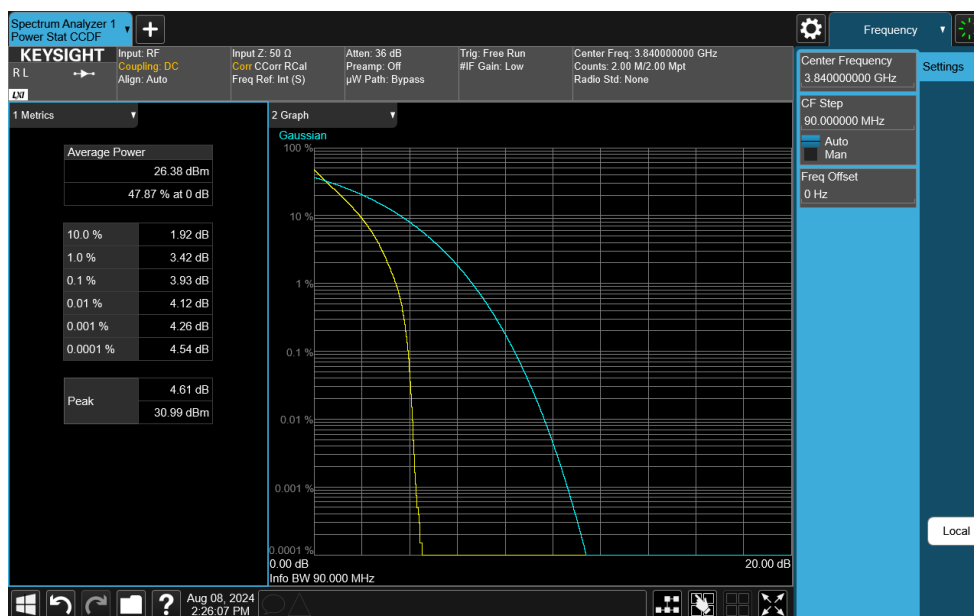
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-404. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)

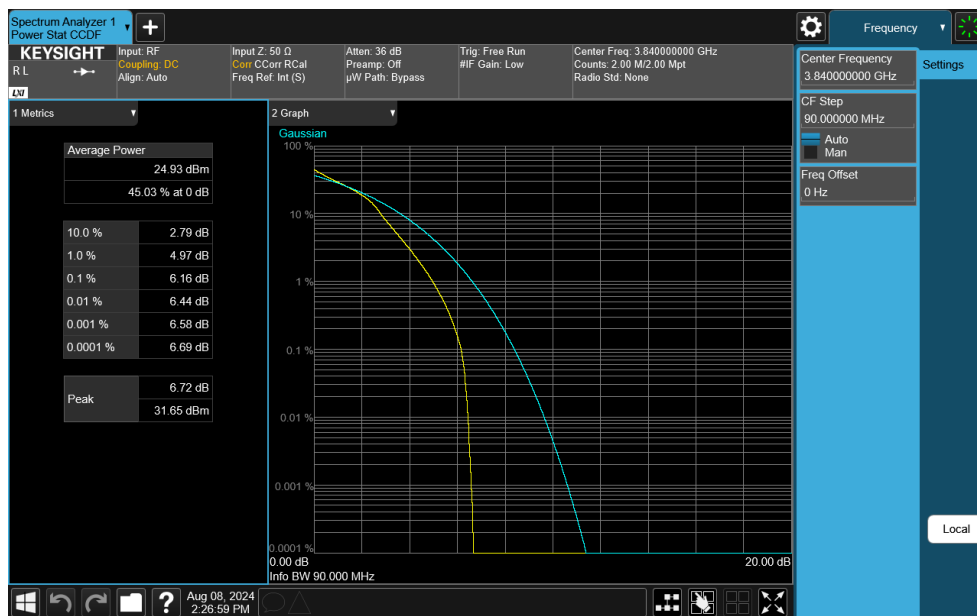
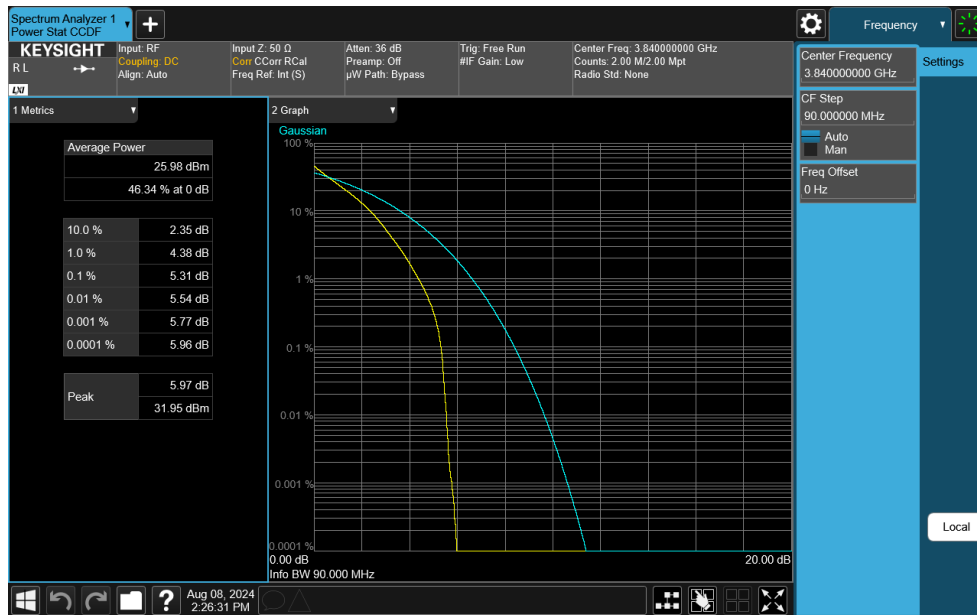


Plot 7-405. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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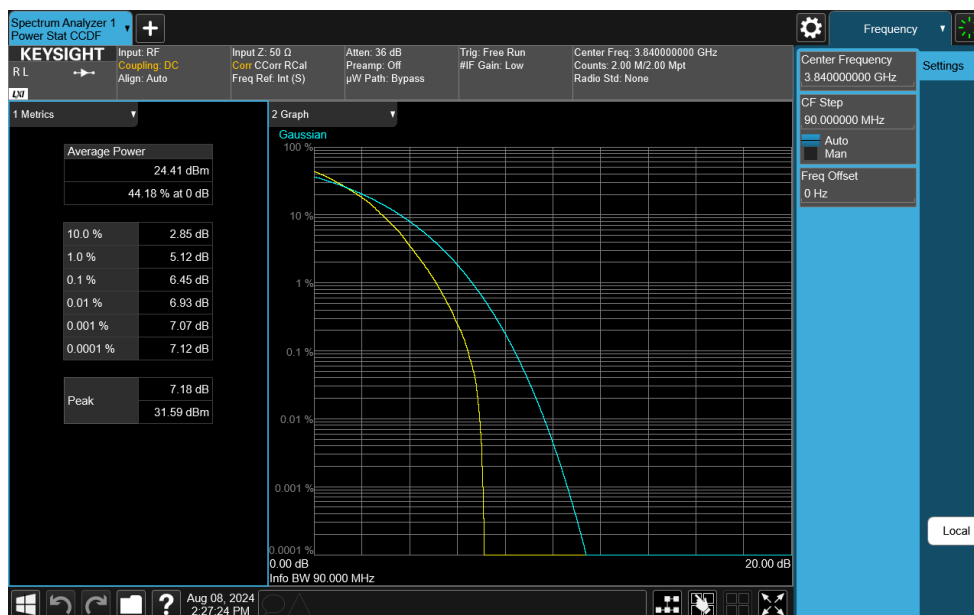
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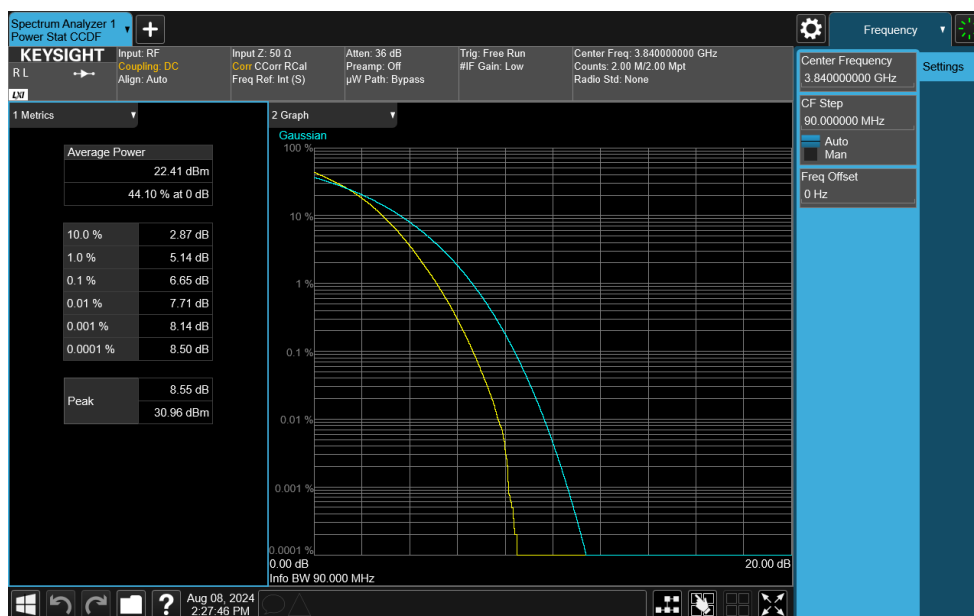
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-408. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)

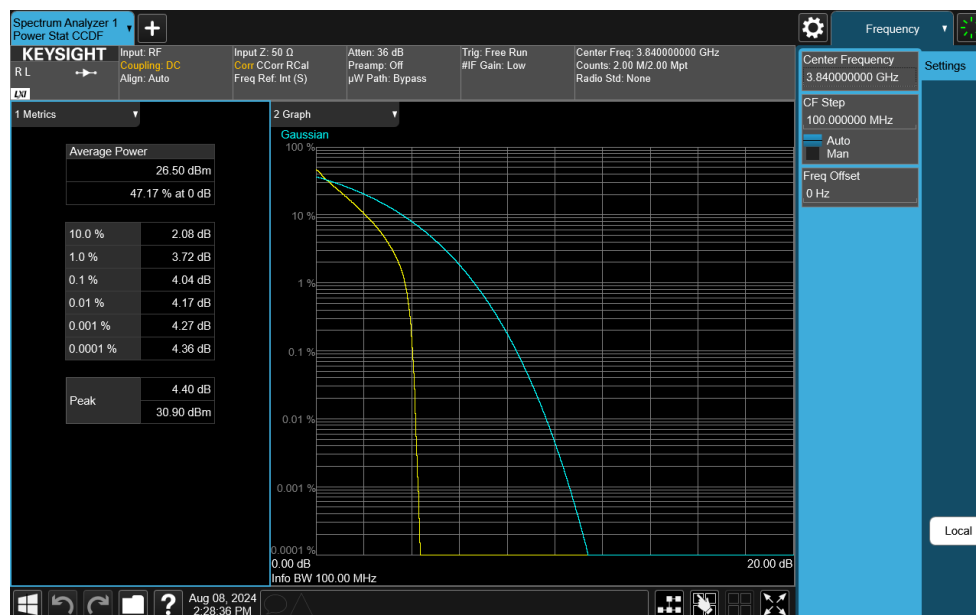


Plot 7-409. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)

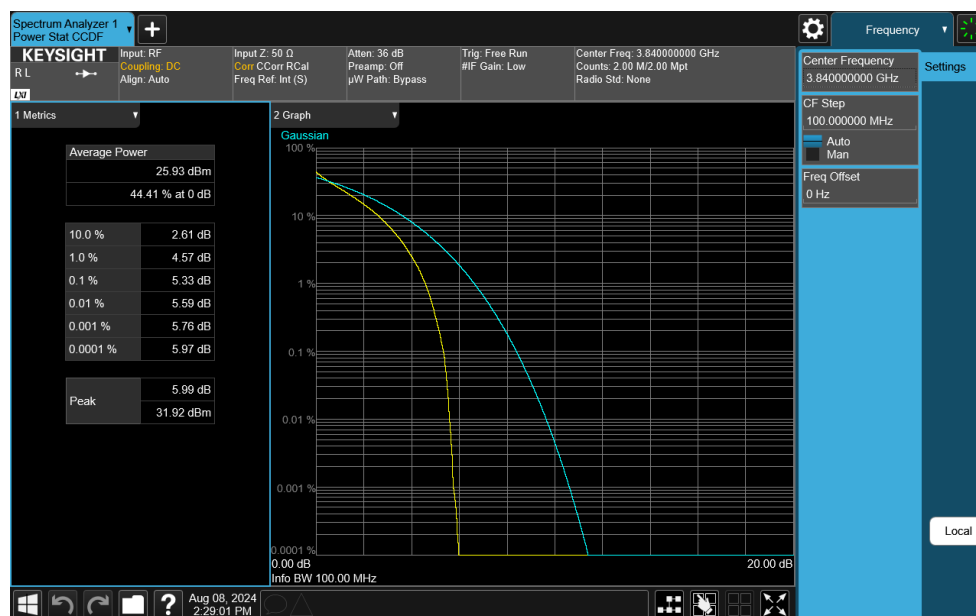
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-410. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

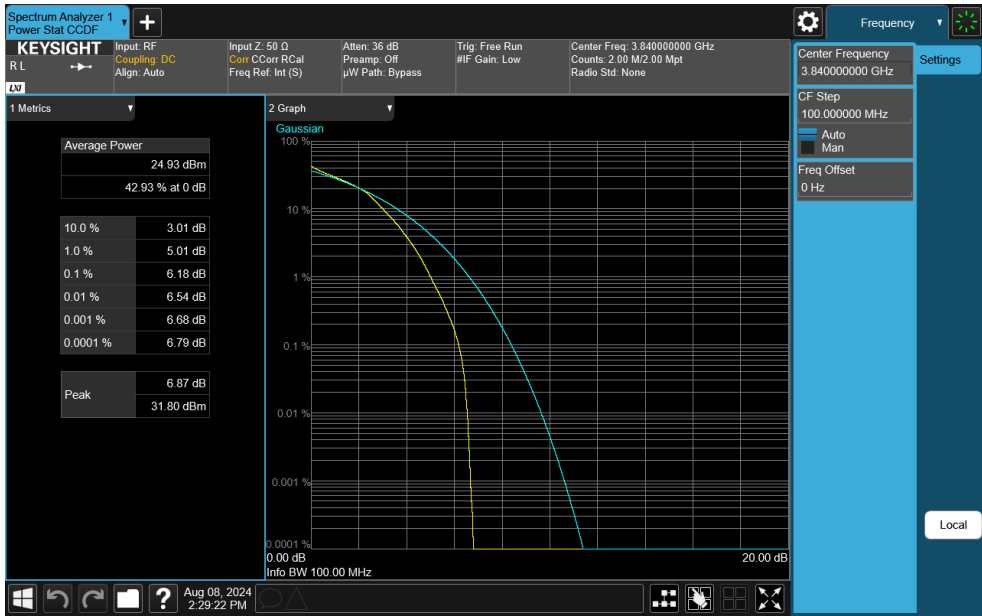


Plot 7-411. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - Full RB)

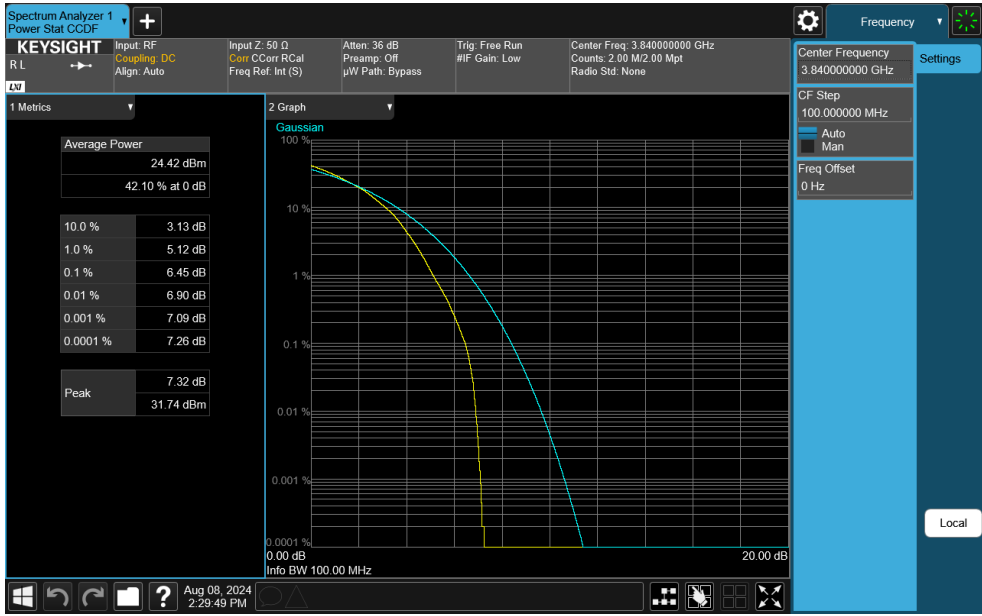
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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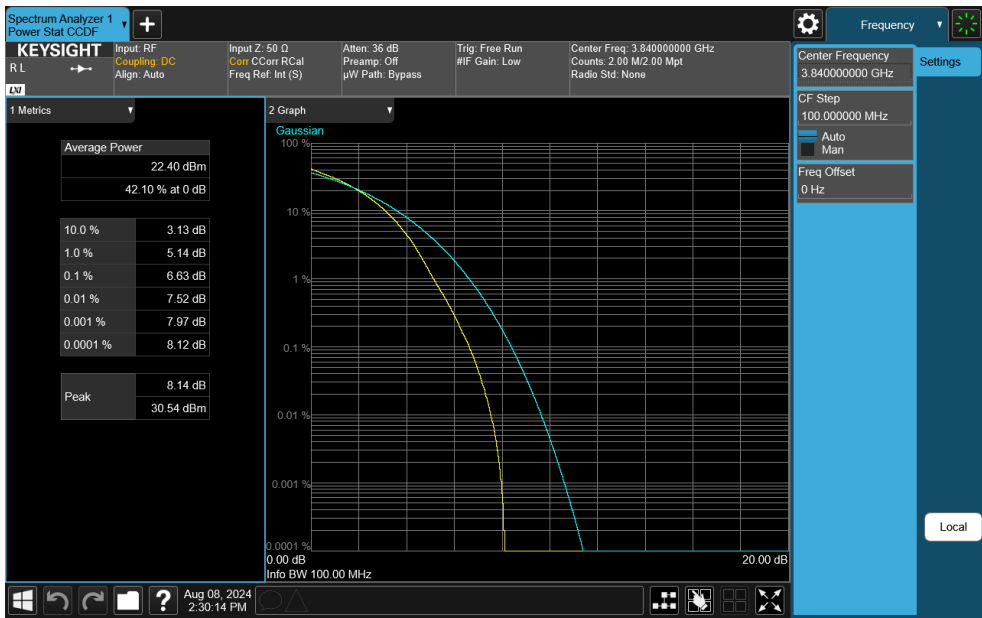


Plot 7-412. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 16-QAM - Full RB)



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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-414. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 256-QAM - Full RB)

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7.6 Radiated Power (EIRP)

§27.50(j)(3), §27.50(k)(3)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the EIRP from the conducted RF output power measured is:

$$\text{EIRP} = \text{PMeas} - \text{LC} + \text{GT}$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMeas, typically dBW or dBm)

PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBi (EIRP)

Test Setup

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

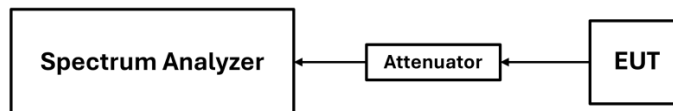


Figure 7-5. FR1 Test Instrument & Measurement Setup

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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7.6.1 Antenna 3a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.60	1 / 22	27.44	29.04	0.802	30.00	-0.96
		3500.01	1.60	1 / 12	27.47	29.07	0.807	30.00	-0.93
		3544.98	1.60	1 / 1	27.50	29.10	0.813	30.00	-0.90
	QPSK	3455.01	1.60	1 / 22	27.40	29.00	0.794	30.00	-1.00
		3500.01	1.60	1 / 12	27.37	28.97	0.789	30.00	-1.03
		3544.98	1.60	1 / 12	27.46	29.06	0.805	30.00	-0.94
	16-QAM	3455.01	1.60	1 / 22	26.46	28.06	0.640	30.00	-1.94
	64-QAM	3500.01	1.60	1 / 1	25.51	27.11	0.514	30.00	-2.89
	256-QAM	3500.01	1.60	1 / 22	22.57	24.17	0.261	30.00	-5.83
	256-QAM	3457.50	1.60	1 / 1	27.21	28.81	0.760	30.00	-1.19
15 MHz	π/2 BPSK	3500.01	1.60	1 / 36	27.39	28.99	0.793	30.00	-1.01
		3542.49	1.60	1 / 18	27.44	29.04	0.802	30.00	-0.96
		3457.50	1.60	1 / 18	27.36	28.96	0.787	30.00	-1.04
	QPSK	3500.01	1.60	1 / 18	27.46	29.06	0.805	30.00	-0.94
		3542.49	1.60	1 / 1	27.50	29.10	0.813	30.00	-0.90
		3457.50	1.60	1 / 18	26.51	28.11	0.647	30.00	-1.89
	16-QAM	3457.50	1.60	1 / 18	25.49	27.09	0.512	30.00	-2.91
	64-QAM	3457.50	1.60	1 / 36	25.49	27.09	0.512	30.00	-2.91
	256-QAM	3457.50	1.60	1 / 1	22.50	24.10	0.257	30.00	-5.90
	256-QAM	3460.02	1.60	1 / 49	27.50	29.10	0.813	30.00	-0.90
20 MHz	π/2 BPSK	3500.01	1.60	1 / 1	27.48	29.08	0.809	30.00	-0.92
		3540.00	1.60	1 / 49	27.36	28.96	0.787	30.00	-1.04
		3460.02	1.60	1 / 25	27.14	28.74	0.748	30.00	-1.26
	QPSK	3500.01	1.60	1 / 25	27.45	29.05	0.804	30.00	-0.95
		3540.00	1.60	1 / 25	27.15	28.75	0.750	30.00	-1.25
		3460.02	1.60	1 / 1	26.49	28.09	0.644	30.00	-1.91
	16-QAM	3500.01	1.60	1 / 49	25.50	27.10	0.513	30.00	-2.90
	64-QAM	3500.01	1.60	1 / 49	25.50	27.10	0.513	30.00	-2.90
	256-QAM	3460.02	1.60	1 / 1	22.60	24.20	0.263	30.00	-5.80
	256-QAM	3465.00	1.60	1 / 76	27.47	29.07	0.807	30.00	-0.93
	256-QAM	3500.01	1.60	1 / 1	27.32	28.92	0.780	30.00	-1.08
30 MHz	π/2 BPSK	3534.99	1.60	1 / 36	27.45	29.05	0.804	30.00	-0.95
		3465.00	1.60	1 / 36	27.30	28.90	0.776	30.00	-1.10
		3500.01	1.60	1 / 1	27.38	28.98	0.791	30.00	-1.02
	QPSK	3534.99	1.60	1 / 1	27.50	29.10	0.813	30.00	-0.90
		3465.00	1.60	1 / 76	26.46	28.06	0.640	30.00	-1.94
		3500.01	1.60	1 / 1	25.47	27.07	0.509	30.00	-2.93
	16-QAM	3534.99	1.60	1 / 1	22.60	24.20	0.263	30.00	-5.80
	64-QAM	3534.99	1.60	1 / 1	27.28	28.88	0.773	30.00	-1.12
	256-QAM	3470.01	1.60	1 / 50	27.46	29.06	0.805	30.00	-0.94
	256-QAM	3529.98	1.60	1 / 104	27.50	29.10	0.813	30.00	-0.90
40 MHz	π/2 BPSK	3470.01	1.60	1 / 1	27.31	28.91	0.778	30.00	-1.09
		3529.98	1.60	1 / 1	27.43	29.03	0.800	30.00	-0.97
		3529.98	1.60	1 / 50	27.38	28.98	0.791	30.00	-1.02
	QPSK	3529.98	1.60	1 / 104	26.54	28.14	0.652	30.00	-1.86
		3500.01	1.60	1 / 1	25.52	27.12	0.515	30.00	-2.88
		3529.98	1.60	1 / 104	22.61	24.21	0.264	30.00	-5.79
	16-QAM	3475.02	1.60	1 / 1	27.39	28.99	0.793	30.00	-1.01
	64-QAM	3500.01	1.60	1 / 64	27.26	28.86	0.769	30.00	-1.14
	256-QAM	3525.00	1.60	1 / 131	27.44	29.04	0.802	30.00	-0.96
	256-QAM	3475.02	1.60	1 / 64	27.29	28.89	0.774	30.00	-1.11
	256-QAM	3500.01	1.60	1 / 64	27.39	28.99	0.793	30.00	-1.01
50 MHz	π/2 BPSK	3525.00	1.60	1 / 64	27.50	29.10	0.813	30.00	-0.90
		3475.02	1.60	1 / 64	26.53	28.13	0.650	30.00	-1.87
		3500.01	1.60	1 / 64	25.48	27.08	0.511	30.00	-2.92
	QPSK	3475.02	1.60	1 / 1	22.60	24.20	0.263	30.00	-5.80
		3525.00	1.60	1 / 64	27.50	29.10	0.813	30.00	-0.90
		3475.02	1.60	1 / 64	26.53	28.13	0.650	30.00	-1.87
	16-QAM	3475.02	1.60	1 / 64	25.48	27.08	0.511	30.00	-2.92
	64-QAM	3500.01	1.60	1 / 64	25.48	27.08	0.511	30.00	-2.92
	256-QAM	3475.02	1.60	1 / 1	22.60	24.20	0.263	30.00	-5.80
	256-QAM	3480.00	1.60	1 / 160	27.50	29.10	0.813	30.00	-0.90
60 MHz	π/2 BPSK	3500.01	1.60	1 / 1	27.43	29.03	0.800	30.00	-0.97
		3519.99	1.60	1 / 160	27.27	28.87	0.771	30.00	-1.13
		3480.00	1.60	1 / 81	27.44	29.04	0.802	30.00	-0.96
	QPSK	3500.01	1.60	1 / 160	27.48	29.08	0.809	30.00	-0.92
		3519.99	1.60	1 / 160	27.48	29.08	0.809	30.00	-0.92
		3480.00	1.60	1 / 1	26.49	28.09	0.644	30.00	-1.91
	16-QAM	3480.00	1.60	1 / 1	25.34	26.94	0.494	30.00	-3.06
	64-QAM	3500.01	1.60	1 / 1	25.34	26.94	0.494	30.00	-3.06
	256-QAM	3480.00	1.60	1 / 1	22.50	24.10	0.257	30.00	-5.90
	256-QAM	3485.01	1.60	1 / 187	27.46	29.06	0.805	30.00	-0.94
70 MHz	π/2 BPSK	3500.01	1.60	1 / 1	27.35	28.95	0.785	30.00	-1.05
		3514.98	1.60	1 / 1	27.46	29.06	0.805	30.00	-0.94
		3485.01	1.60	1 / 1	27.29	28.89	0.774	30.00	-1.11
	QPSK	3500.01	1.60	1 / 1	27.35	28.95	0.785	30.00	-1.05
		3514.98	1.60	1 / 1	27.50	29.10	0.813	30.00	-0.90
		3485.01	1.60	1 / 1	26.51	28.11	0.647	30.00	-1.89
	16-QAM	3485.01	1.60	1 / 187	25.39	26.99	0.500	30.00	-3.01
	64-QAM	3485.01	1.60	1 / 187	25.39	26.99	0.500	30.00	-3.01
	256-QAM	3485.01	1.60	1 / 1	22.61	24.21	0.264	30.00	-5.79
	256-QAM	3490.02	1.60	1 / 1	27.49	29.09	0.811	30.00	-0.91
80 MHz	π/2 BPSK	3500.01	1.60	1 / 108	27.43	29.03	0.800	30.00	-0.97
		3510.00	1.60	1 / 1	27.50	29.10	0.813	30.00	-0.90
		3490.02	1.60	1 / 108	27.46	29.06	0.805	30.00	-0.94
	QPSK	3500.01	1.60	1 / 1	27.33	28.93	0.782	30.00	-1.07
		3510.00	1.60	1 / 108	27.26	28.86	0.769	30.00	-1.14
		3490.02	1.60	1 / 1	26.52	28.12	0.649	30.00	-1.88
	16-QAM	3490.02	1.60	1 / 215	25.55	27.15	0.519	30.00	-2.85
	64-QAM	3510.00	1.60	1 / 215	25.55	27.15	0.519	30.00	-2.85
	256-QAM	3490.02	1.60	1 / 1	22.64	24.24	0.265	30.00	-5.76
	256-QAM	3495.00	1.60	1 / 1	27.47	29.07	0.807	30.00	-0.93
90 MHz	π/2 BPSK	3500.01	1.60	1 / 120	27.50	29.10	0.813	30.00	-0.90
		3504.99	1.60	1 / 120	27.39	28.99	0.793	30.00	-1.01
		3495.00	1.60	1 / 120	27.37	28.97	0.789	30.00	-1.03
	QPSK	3500.01	1.60	1 / 120	27.45	29.05	0.804	30.00	-0.95
		3504.99	1.60	1 / 120	27.50	29.10	0.813	30.00	-0.90
		3495.00	1.60	1 / 120	26.50	28.10	0.646	30.00	-1.90
	16-QAM	3504.99	1.60	1 / 120	25.49	27.09	0.512	30.00	-2.91
	64-QAM	3495.00	1.60	1 / 243	25.49	27.09	0.512	30.00	-2.91
	256-QAM	3495.00	1.60	1 / 120	22.59	24.19	0.262	30.00	-5.81
	256-QAM	3500.01	1.60	1 / 1	27.26	28.86	0.769	30.00	-1.14
100 MHz	π/2 BPSK	3500.01	1.60	1 / 271	27.11	28.71	0.743	30.00	-1.29
		3500.01	1.60	1 / 1	26.23	27.83	0.607	30.00	-2.17
		3500.01	1.60	1 / 271	25.52	27.12	0.515	30.00	-2.88
	QPSK	3500.01	1.60	1 / 135	22.55	24.15	0.260	30.00	-5.85
		3500.01	1.60	1 / 135	22.55	24.15	0.260	30.00	-5.85
		3500.01	1.60	1 / 135	22.55	24.15	0.260	30.00	-5.85

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 233 of 265

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.60	1 / 12	25.56	27.16	0.520	30.00	-2.84
		3500.01	1.60	1 / 12	25.70	27.30	0.537	30.00	-2.70
		3544.98	1.60	1 / 22	25.66	27.26	0.532	30.00	-2.74
	QPSK	3455.01	1.60	1 / 12	25.70	27.30	0.537	30.00	-2.70
		3500.01	1.60	1 / 12	25.69	27.29	0.536	30.00	-2.71
		3544.98	1.60	1 / 12	25.59	27.19	0.524	30.00	-2.81
	16-QAM	3500.01	1.60	1 / 22	24.71	26.31	0.428	30.00	-3.69
	64-QAM	3455.01	1.60	1 / 22	23.72	25.32	0.340	30.00	-4.68
	256-QAM	3500.01	1.60	1 / 1	20.81	22.41	0.174	30.00	-7.59
	15 MHz	π/2 BPSK	3457.50	1.60	1 / 18	25.70	27.30	0.537	30.00
3500.01			1.60	1 / 36	25.66	27.26	0.532	30.00	-2.74
3542.49			1.60	1 / 36	25.63	27.23	0.528	30.00	-2.77
QPSK		3457.50	1.60	1 / 18	25.57	27.17	0.521	30.00	-2.83
		3500.01	1.60	1 / 36	25.65	27.25	0.531	30.00	-2.75
		3542.49	1.60	1 / 18	25.47	27.07	0.509	30.00	-2.93
16-QAM		3500.01	1.60	1 / 36	24.64	26.24	0.421	30.00	-3.76
64-QAM		3457.50	1.60	1 / 1	23.63	25.23	0.333	30.00	-4.77
256-QAM		3542.49	1.60	1 / 18	20.71	22.31	0.170	30.00	-7.69
20 MHz		π/2 BPSK	3460.02	1.60	1 / 49	25.48	27.08	0.511	30.00
	3500.01		1.60	1 / 49	25.41	27.01	0.502	30.00	-2.99
	3540.00		1.60	1 / 1	25.63	27.23	0.528	30.00	-2.77
	QPSK	3460.02	1.60	1 / 49	25.70	27.30	0.537	30.00	-2.70
		3500.01	1.60	1 / 25	25.54	27.14	0.518	30.00	-2.86
		3540.00	1.60	1 / 25	25.66	27.26	0.532	30.00	-2.74
	16-QAM	3500.01	1.60	1 / 49	24.59	26.19	0.416	30.00	-3.81
	64-QAM	3460.02	1.60	1 / 49	23.69	25.29	0.338	30.00	-4.71
	256-QAM	3540.00	1.60	1 / 49	20.80	22.40	0.174	30.00	-7.60
	30 MHz	π/2 BPSK	3465.00	1.60	1 / 76	25.69	27.29	0.536	30.00
3500.01			1.60	1 / 76	25.55	27.15	0.519	30.00	-2.85
3534.99			1.60	1 / 36	25.65	27.25	0.531	30.00	-2.75
QPSK		3465.00	1.60	1 / 1	25.57	27.17	0.521	30.00	-2.83
		3500.01	1.60	1 / 1	25.67	27.27	0.533	30.00	-2.73
		3534.99	1.60	1 / 76	25.70	27.30	0.537	30.00	-2.70
16-QAM		3534.99	1.60	1 / 1	24.67	26.27	0.424	30.00	-3.73
64-QAM		3465.00	1.60	1 / 76	23.62	25.22	0.333	30.00	-4.78
256-QAM		3534.99	1.60	1 / 76	20.74	22.34	0.171	30.00	-7.66
40 MHz		π/2 BPSK	3470.01	1.60	1 / 104	25.58	27.18	0.522	30.00
	3500.01		1.60	1 / 104	25.55	27.15	0.519	30.00	-2.85
	3529.98		1.60	1 / 50	25.62	27.22	0.527	30.00	-2.78
	QPSK	3470.01	1.60	1 / 104	25.57	27.17	0.521	30.00	-2.83
		3500.01	1.60	1 / 50	25.70	27.30	0.537	30.00	-2.70
		3529.98	1.60	1 / 104	25.63	27.23	0.528	30.00	-2.77
	16-QAM	3529.98	1.60	1 / 50	24.68	26.28	0.425	30.00	-3.72
	64-QAM	3470.01	1.60	1 / 1	23.69	25.29	0.338	30.00	-4.71
	256-QAM	3500.01	1.60	1 / 104	20.68	22.28	0.169	30.00	-7.72
	50 MHz	π/2 BPSK	3475.02	1.60	1 / 1	25.33	26.93	0.493	30.00
3500.01			1.60	1 / 1	25.67	27.27	0.533	30.00	-2.73
3525.00			1.60	1 / 1	25.60	27.20	0.525	30.00	-2.80
QPSK		3475.02	1.60	1 / 1	25.70	27.30	0.537	30.00	-2.70
		3500.01	1.60	1 / 64	25.61	27.21	0.526	30.00	-2.79
		3525.00	1.60	1 / 1	25.60	27.20	0.525	30.00	-2.80
16-QAM		3525.00	1.60	1 / 1	24.67	26.27	0.424	30.00	-3.73
64-QAM		3475.02	1.60	1 / 131	23.68	25.28	0.337	30.00	-4.72
256-QAM		3525.00	1.60	1 / 131	20.76	22.36	0.172	30.00	-7.64
60 MHz		π/2 BPSK	3480.00	1.60	1 / 1	25.63	27.23	0.528	30.00
	3500.01		1.60	1 / 160	25.70	27.30	0.537	30.00	-2.70
	3519.99		1.60	1 / 160	25.61	27.21	0.526	30.00	-2.79
	QPSK	3480.00	1.60	1 / 1	25.54	27.14	0.518	30.00	-2.86
		3500.01	1.60	1 / 160	25.62	27.22	0.527	30.00	-2.78
		3519.99	1.60	1 / 1	25.38	26.98	0.499	30.00	-3.02
	16-QAM	3480.00	1.60	1 / 1	24.69	26.29	0.426	30.00	-3.71
	64-QAM	3519.99	1.60	1 / 81	23.56	25.16	0.328	30.00	-4.84
	256-QAM	3519.99	1.60	1 / 1	20.80	22.40	0.174	30.00	-7.60
	70 MHz	π/2 BPSK	3485.01	1.60	1 / 1	25.35	26.95	0.495	30.00
3500.01			1.60	1 / 1	25.67	27.27	0.533	30.00	-2.73
3514.98			1.60	1 / 90	25.69	27.29	0.536	30.00	-2.71
QPSK		3485.01	1.60	1 / 1	25.70	27.30	0.537	30.00	-2.70
		3500.01	1.60	1 / 187	25.60	27.20	0.525	30.00	-2.80
		3514.98	1.60	1 / 1	25.53	27.13	0.516	30.00	-2.87
16-QAM		3514.98	1.60	1 / 187	24.72	26.32	0.429	30.00	-3.68
64-QAM		3500.01	1.60	1 / 1	23.72	25.32	0.340	30.00	-4.68
256-QAM		3485.01	1.60	1 / 1	20.82	22.42	0.175	30.00	-7.58
80 MHz		π/2 BPSK	3490.02	1.60	1 / 215	25.63	27.23	0.528	30.00
	3500.01		1.60	1 / 215	25.52	27.12	0.515	30.00	-2.88
	3510.00		1.60	1 / 215	25.38	26.98	0.499	30.00	-3.02
	QPSK	3490.02	1.60	1 / 108	25.70	27.30	0.537	30.00	-2.70
		3500.01	1.60	1 / 1	25.54	27.14	0.518	30.00	-2.86
		3510.00	1.60	1 / 108	25.69	27.29	0.536	30.00	-2.71
	16-QAM	3490.02	1.60	1 / 215	24.62	26.22	0.419	30.00	-3.78
	64-QAM	3510.00	1.60	1 / 215	23.69	25.29	0.338	30.00	-4.71
	256-QAM	3510.00	1.60	1 / 108	20.72	22.32	0.171	30.00	-7.68
	90 MHz	π/2 BPSK	3495.00	1.60	1 / 120	25.70	27.30	0.537	30.00
3500.01			1.60	1 / 243	25.70	27.30	0.537	30.00	-2.70
3504.99			1.60	1 / 1	25.56	27.16	0.520	30.00	-2.84
QPSK		3495.00	1.60	1 / 120	25.61	27.21	0.526	30.00	-2.79
		3500.01	1.60	1 / 120	25.68	27.28	0.535	30.00	-2.72
		3504.99	1.60	1 / 1	25.61	27.21	0.526	30.00	-2.79
16-QAM		3504.99	1.60	1 / 1	24.68	26.28	0.425	30.00	-3.72
64-QAM		3504.99	1.60	1 / 120	23.72	25.32	0.340	30.00	-4.68
256-QAM		3495.00	1.60	1 / 120	20.79	22.39	0.173	30.00	-7.61
100 MHz		π/2 BPSK	3500.01	1.60	1 / 135	25.61	27.21	0.526	30.00
	QPSK	3500.01	1.60	1 / 271	25.44	27.04	0.506	30.00	-2.96
	16-QAM	3500.01	1.60	1 / 271	24.35	25.95	0.394	30.00	-4.05
	64-QAM	3500.01	1.60	1 / 135	23.59	25.19	0.330	30.00	-4.81
	256-QAM	3500.01	1.60	1 / 1	20.79	22.39	0.173	30.00	-7.61
	256-QAM	3500.01	1.60	1 / 1	20.79	22.39	0.173	30.00	-7.61

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	-0.10	1 / 12	27.48	27.38	0.547	30.00	-2.62	
		3840.00	-0.10	1 / 12	27.47	27.37	0.546	30.00	-2.63	
		3705.00	-0.10	1 / 1	27.50	27.40	0.550	30.00	-2.60	
		3705.00	-0.10	1 / 12	27.13	27.03	0.505	30.00	-2.97	
	QPSK	3840.00	-0.10	1 / 1	27.46	27.36	0.545	30.00	-2.64	
		3975.00	-0.10	1 / 1	27.40	27.30	0.537	30.00	-2.70	
		16-QAM	3705.00	-0.10	1 / 1	26.47	26.37	0.434	30.00	-3.63
		64-QAM	3975.00	-0.10	1 / 22	25.54	25.44	0.350	30.00	-4.56
256-QAM	3705.00	-0.10	1 / 1	22.64	22.54	0.179	30.00	-7.46		
15 MHz	π/2 BPSK	3707.51	-0.10	1 / 1	27.37	27.27	0.533	30.00	-2.73	
		3840.00	-0.10	1 / 36	27.50	27.40	0.550	30.00	-2.60	
		3972.50	-0.10	1 / 1	27.45	27.35	0.543	30.00	-2.65	
		3707.51	-0.10	1 / 18	27.38	27.28	0.535	30.00	-2.72	
	QPSK	3840.00	-0.10	1 / 36	27.36	27.26	0.532	30.00	-2.74	
		3972.50	-0.10	1 / 36	27.45	27.35	0.543	30.00	-2.65	
		16-QAM	3707.51	-0.10	1 / 1	26.45	26.35	0.432	30.00	-3.65
		64-QAM	3707.51	-0.10	1 / 1	25.44	25.34	0.342	30.00	-4.66
256-QAM	3972.50	-0.10	1 / 1	22.46	22.36	0.172	30.00	-7.64		
20 MHz	π/2 BPSK	3710.01	-0.10	1 / 25	27.44	27.34	0.542	30.00	-2.66	
		3840.00	-0.10	1 / 49	27.45	27.35	0.543	30.00	-2.65	
		3969.99	-0.10	1 / 1	27.28	27.18	0.522	30.00	-2.82	
		3710.01	-0.10	1 / 49	27.49	27.39	0.548	30.00	-2.61	
	QPSK	3840.00	-0.10	1 / 1	27.47	27.37	0.546	30.00	-2.63	
		3969.99	-0.10	1 / 1	27.50	27.40	0.550	30.00	-2.60	
		16-QAM	3969.99	-0.10	1 / 1	26.48	26.38	0.435	30.00	-3.62
		64-QAM	3969.99	-0.10	1 / 49	25.48	25.38	0.345	30.00	-4.62
256-QAM	3840.00	-0.10	1 / 25	22.60	22.50	0.178	30.00	-7.50		
30 MHz	π/2 BPSK	3715.02	-0.10	1 / 36	27.27	27.17	0.533	30.00	-2.73	
		3840.00	-0.10	1 / 1	27.29	27.19	0.524	30.00	-2.81	
		3964.98	-0.10	1 / 1	27.43	27.33	0.541	30.00	-2.67	
		3715.02	-0.10	1 / 36	27.27	27.17	0.521	30.00	-2.83	
	QPSK	3840.00	-0.10	1 / 36	27.50	27.40	0.550	30.00	-2.60	
		3964.98	-0.10	1 / 1	27.40	27.30	0.537	30.00	-2.70	
		16-QAM	3964.98	-0.10	1 / 76	26.46	26.36	0.433	30.00	-3.64
		64-QAM	3840.00	-0.10	1 / 1	25.50	25.40	0.347	30.00	-4.60
256-QAM	3715.02	-0.10	1 / 1	22.49	22.39	0.173	30.00	-7.61		
40 MHz	π/2 BPSK	3720.00	-0.10	1 / 50	27.42	27.32	0.540	30.00	-2.68	
		3840.00	-0.10	1 / 50	27.45	27.35	0.543	30.00	-2.65	
		3960.00	-0.10	1 / 50	27.50	27.40	0.550	30.00	-2.60	
		3720.00	-0.10	1 / 104	27.23	27.13	0.516	30.00	-2.87	
	QPSK	3840.00	-0.10	1 / 50	27.48	27.38	0.547	30.00	-2.62	
		3960.00	-0.10	1 / 1	27.49	27.39	0.548	30.00	-2.61	
		16-QAM	3720.00	-0.10	1 / 1	26.45	26.35	0.432	30.00	-3.65
		64-QAM	3840.00	-0.10	1 / 1	25.46	25.36	0.344	30.00	-4.64
256-QAM	3720.00	-0.10	1 / 50	22.60	22.50	0.178	30.00	-7.50		
50 MHz	π/2 BPSK	3725.01	-0.10	1 / 131	27.50	27.40	0.550	30.00	-2.60	
		3840.00	-0.10	1 / 64	27.30	27.20	0.525	30.00	-2.80	
		3954.99	-0.10	1 / 1	27.44	27.34	0.542	30.00	-2.66	
		3725.01	-0.10	1 / 64	27.28	27.18	0.522	30.00	-2.82	
	QPSK	3840.00	-0.10	1 / 64	27.40	27.30	0.537	30.00	-2.70	
		3954.99	-0.10	1 / 64	27.35	27.25	0.531	30.00	-2.75	
		16-QAM	3725.01	-0.10	1 / 1	26.48	26.38	0.435	30.00	-3.62
		64-QAM	3954.99	-0.10	1 / 131	25.52	25.42	0.348	30.00	-4.58
256-QAM	3954.99	-0.10	1 / 131	22.61	22.51	0.178	30.00	-7.49		
60 MHz	π/2 BPSK	3730.02	-0.10	1 / 81	27.40	27.30	0.537	30.00	-2.70	
		3840.00	-0.10	1 / 81	27.42	27.32	0.540	30.00	-2.68	
		3949.98	-0.10	1 / 81	27.36	27.26	0.532	30.00	-2.74	
		3730.02	-0.10	1 / 81	27.50	27.40	0.550	30.00	-2.60	
	QPSK	3840.00	-0.10	1 / 1	27.34	27.24	0.530	30.00	-2.76	
		3949.98	-0.10	1 / 81	27.43	27.33	0.541	30.00	-2.67	
		16-QAM	3840.00	-0.10	1 / 1	26.33	26.23	0.420	30.00	-3.77
		64-QAM	3840.00	-0.10	1 / 1	25.50	25.40	0.347	30.00	-4.60
256-QAM	3730.02	-0.10	1 / 81	22.58	22.48	0.177	30.00	-7.52		
70 MHz	π/2 BPSK	3735.00	-0.10	1 / 1	27.23	27.13	0.516	30.00	-2.87	
		3840.00	-0.10	1 / 187	27.48	27.38	0.547	30.00	-2.62	
		3945.00	-0.10	1 / 90	27.40	27.30	0.537	30.00	-2.70	
		3735.00	-0.10	1 / 187	27.36	27.26	0.532	30.00	-2.74	
	QPSK	3840.00	-0.10	1 / 1	27.50	27.40	0.550	30.00	-2.60	
		3945.00	-0.10	1 / 90	27.48	27.38	0.547	30.00	-2.62	
		16-QAM	3840.00	-0.10	1 / 90	26.48	26.38	0.435	30.00	-3.62
		64-QAM	3945.00	-0.10	1 / 90	25.49	25.39	0.346	30.00	-4.61
256-QAM	3735.00	-0.10	1 / 90	22.62	22.52	0.179	30.00	-7.48		
80 MHz	π/2 BPSK	3740.01	-0.10	1 / 1	27.22	27.12	0.515	30.00	-2.88	
		3840.00	-0.10	1 / 108	27.42	27.32	0.540	30.00	-2.68	
		3939.99	-0.10	1 / 1	27.44	27.34	0.542	30.00	-2.66	
		3740.01	-0.10	1 / 1	27.25	27.15	0.519	30.00	-2.85	
	QPSK	3840.00	-0.10	1 / 1	27.50	27.40	0.550	30.00	-2.60	
		3939.99	-0.10	1 / 1	27.33	27.23	0.528	30.00	-2.77	
		16-QAM	3740.01	-0.10	1 / 215	26.50	26.40	0.437	30.00	-3.60
		64-QAM	3840.00	-0.10	1 / 215	25.50	25.40	0.347	30.00	-4.60
256-QAM	3939.99	-0.10	1 / 108	22.53	22.43	0.175	30.00	-7.57		
90 MHz	π/2 BPSK	3745.02	-0.10	1 / 1	27.47	27.37	0.546	30.00	-2.63	
		3840.00	-0.10	1 / 243	27.25	27.15	0.519	30.00	-2.85	
		3934.98	-0.10	1 / 1	27.50	27.40	0.550	30.00	-2.60	
		3745.02	-0.10	1 / 120	27.16	27.06	0.508	30.00	-2.94	
	QPSK	3840.00	-0.10	1 / 120	27.37	27.27	0.533	30.00	-2.73	
		3934.98	-0.10	1 / 243	27.48	27.38	0.547	30.00	-2.62	
		16-QAM	3745.02	-0.10	1 / 120	26.49	26.39	0.436	30.00	-3.61
		64-QAM	3745.02	-0.10	1 / 1	25.50	25.40	0.347	30.00	-4.60
256-QAM	3745.02	-0.10	1 / 243	22.59	22.49	0.177	30.00	-7.51		
100 MHz	π/2 BPSK	3750.00	-0.10	1 / 271	27.45	27.35	0.543	30.00	-2.65	
		3840.00	-0.10	1 / 1	27.50	27.40	0.550	30.00	-2.60	
		3930.00	-0.10	1 / 1	27.46	27.36	0.545	30.00	-2.64	
		3750.00	-0.10	1 / 135	27.41	27.31	0.538	30.00	-2.69	
	QPSK	3840.00	-0.10	1 / 271	27.50	27.40	0.550	30.00	-2.60	
		3930.00	-0.10	1 / 271	27.50	27.40	0.550	30.00	-2.60	
		16-QAM	3750.00	-0.10	1 / 1	26.56	26.46	0.443	30.00	-3.54
		64-QAM	3840.00	-0.10	1 / 1	25.56	25.46	0.352	30.00	-4.54
256-QAM	3930.00	-0.10	1 / 271	22.59	22.49	0.177	30.00	-7.51		

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	-0.10	1 / 12	25.60	25.50	0.355	30.00	-4.50
		3840.00	-0.10	1 / 1	25.55	25.45	0.351	30.00	-4.55
		3975.00	-0.10	1 / 22	25.70	25.60	0.363	30.00	-4.40
	QPSK	3705.00	-0.10	1 / 12	25.64	25.54	0.358	30.00	-4.46
		3840.00	-0.10	1 / 12	25.56	25.46	0.352	30.00	-4.54
		3975.00	-0.10	1 / 12	25.47	25.37	0.344	30.00	-4.63
	16-QAM	3975.00	-0.10	1 / 22	24.70	24.60	0.288	30.00	-5.40
	64-QAM	3840.00	-0.10	1 / 12	23.69	23.59	0.229	30.00	-6.41
	256-QAM	3975.00	-0.10	1 / 1	20.78	20.68	0.117	30.00	-9.32
15 MHz	π/2 BPSK	3707.51	-0.10	1 / 1	25.42	25.32	0.340	30.00	-4.68
		3840.00	-0.10	1 / 1	25.69	25.59	0.362	30.00	-4.41
		3972.50	-0.10	1 / 1	25.38	25.28	0.337	30.00	-4.72
	QPSK	3707.51	-0.10	1 / 36	25.46	25.36	0.344	30.00	-4.64
		3840.00	-0.10	1 / 18	25.70	25.60	0.363	30.00	-4.40
		3972.50	-0.10	1 / 36	25.61	25.51	0.356	30.00	-4.49
	16-QAM	3707.51	-0.10	1 / 18	24.68	24.58	0.287	30.00	-5.42
	64-QAM	3972.50	-0.10	1 / 1	23.59	23.49	0.223	30.00	-6.51
	256-QAM	3840.00	-0.10	1 / 18	20.75	20.65	0.116	30.00	-9.35
20 MHz	π/2 BPSK	3710.01	-0.10	1 / 1	25.70	25.60	0.363	30.00	-4.40
		3840.00	-0.10	1 / 1	25.59	25.49	0.354	30.00	-4.51
		3969.99	-0.10	1 / 1	25.55	25.45	0.351	30.00	-4.55
	QPSK	3710.01	-0.10	1 / 25	25.66	25.56	0.360	30.00	-4.44
		3840.00	-0.10	1 / 25	25.62	25.52	0.356	30.00	-4.48
		3969.99	-0.10	1 / 25	25.63	25.53	0.357	30.00	-4.47
	16-QAM	3710.01	-0.10	1 / 1	24.67	24.57	0.286	30.00	-5.43
	64-QAM	3840.00	-0.10	1 / 25	23.69	23.59	0.229	30.00	-6.41
	256-QAM	3969.99	-0.10	1 / 25	20.79	20.69	0.117	30.00	-9.31
30 MHz	π/2 BPSK	3715.02	-0.10	1 / 76	25.53	25.43	0.349	30.00	-4.57
		3840.00	-0.10	1 / 36	25.70	25.60	0.363	30.00	-4.40
		3964.98	-0.10	1 / 36	25.64	25.54	0.358	30.00	-4.46
	QPSK	3715.02	-0.10	1 / 36	25.42	25.32	0.340	30.00	-4.68
		3840.00	-0.10	1 / 36	25.53	25.43	0.349	30.00	-4.57
		3964.98	-0.10	1 / 1	25.61	25.51	0.356	30.00	-4.49
	16-QAM	3840.00	-0.10	1 / 1	24.56	24.46	0.279	30.00	-5.54
	64-QAM	3964.98	-0.10	1 / 76	23.61	23.51	0.224	30.00	-6.49
	256-QAM	3840.00	-0.10	1 / 76	20.80	20.70	0.117	30.00	-9.30
40 MHz	π/2 BPSK	3720.00	-0.10	1 / 50	25.51	25.41	0.348	30.00	-4.59
		3840.00	-0.10	1 / 1	25.70	25.60	0.363	30.00	-4.40
		3960.00	-0.10	1 / 1	25.66	25.56	0.360	30.00	-4.44
	QPSK	3720.00	-0.10	1 / 50	25.62	25.52	0.356	30.00	-4.48
		3840.00	-0.10	1 / 1	25.67	25.57	0.361	30.00	-4.43
		3960.00	-0.10	1 / 1	25.52	25.42	0.348	30.00	-4.58
	16-QAM	3840.00	-0.10	1 / 1	24.70	24.60	0.288	30.00	-5.40
	64-QAM	3840.00	-0.10	1 / 50	23.68	23.58	0.228	30.00	-6.42
	256-QAM	3840.00	-0.10	1 / 1	20.79	20.69	0.117	30.00	-9.31
50 MHz	π/2 BPSK	3725.01	-0.10	1 / 131	25.67	25.57	0.361	30.00	-4.43
		3840.00	-0.10	1 / 131	25.70	25.60	0.363	30.00	-4.40
		3954.99	-0.10	1 / 131	25.41	25.31	0.340	30.00	-4.69
	QPSK	3725.01	-0.10	1 / 64	25.42	25.32	0.340	30.00	-4.68
		3840.00	-0.10	1 / 131	25.56	25.46	0.352	30.00	-4.54
		3954.99	-0.10	1 / 131	25.67	25.57	0.361	30.00	-4.43
	16-QAM	3725.01	-0.10	1 / 131	24.72	24.62	0.290	30.00	-5.38
	64-QAM	3840.00	-0.10	1 / 1	23.69	23.59	0.229	30.00	-6.41
	256-QAM	3840.00	-0.10	1 / 131	20.78	20.68	0.117	30.00	-9.32
60 MHz	π/2 BPSK	3730.02	-0.10	1 / 160	25.39	25.29	0.338	30.00	-4.71
		3840.00	-0.10	1 / 81	25.68	25.58	0.361	30.00	-4.42
		3949.98	-0.10	1 / 1	25.68	25.58	0.361	30.00	-4.42
	QPSK	3730.02	-0.10	1 / 1	25.49	25.39	0.346	30.00	-4.61
		3840.00	-0.10	1 / 81	25.70	25.60	0.363	30.00	-4.40
		3949.98	-0.10	1 / 81	25.42	25.32	0.340	30.00	-4.68
	16-QAM	3840.00	-0.10	1 / 81	24.69	24.59	0.288	30.00	-5.41
	64-QAM	3730.02	-0.10	1 / 160	23.68	23.58	0.228	30.00	-6.42
	256-QAM	3949.98	-0.10	1 / 61	20.76	20.66	0.115	30.00	-9.34
70 MHz	π/2 BPSK	3735.00	-0.10	1 / 1	25.70	25.60	0.363	30.00	-4.40
		3840.00	-0.10	1 / 1	25.63	25.53	0.357	30.00	-4.47
		3945.00	-0.10	1 / 90	25.54	25.44	0.350	30.00	-4.56
	QPSK	3735.00	-0.10	1 / 187	25.38	25.28	0.337	30.00	-4.72
		3840.00	-0.10	1 / 90	25.54	25.44	0.350	30.00	-4.56
		3945.00	-0.10	1 / 187	25.62	25.52	0.356	30.00	-4.48
	16-QAM	3945.00	-0.10	1 / 1	24.66	24.56	0.286	30.00	-5.44
	64-QAM	3945.00	-0.10	1 / 1	23.68	23.58	0.228	30.00	-6.42
	256-QAM	3735.00	-0.10	1 / 90	20.76	20.66	0.116	30.00	-9.34
80 MHz	π/2 BPSK	3740.01	-0.10	1 / 1	25.64	25.54	0.358	30.00	-4.46
		3840.00	-0.10	1 / 108	25.68	25.58	0.361	30.00	-4.42
		3939.99	-0.10	1 / 215	25.38	25.28	0.337	30.00	-4.72
	QPSK	3740.01	-0.10	1 / 108	25.70	25.60	0.363	30.00	-4.40
		3840.00	-0.10	1 / 1	25.51	25.41	0.348	30.00	-4.59
		3939.99	-0.10	1 / 215	25.63	25.53	0.357	30.00	-4.47
	16-QAM	3840.00	-0.10	1 / 108	24.66	24.56	0.286	30.00	-5.44
	64-QAM	3939.99	-0.10	1 / 108	23.71	23.61	0.230	30.00	-6.39
	256-QAM	3939.99	-0.10	1 / 1	20.81	20.71	0.118	30.00	-9.29
90 MHz	π/2 BPSK	3745.02	-0.10	1 / 120	25.70	25.60	0.363	30.00	-4.40
		3840.00	-0.10	1 / 243	25.55	25.45	0.351	30.00	-4.55
		3934.98	-0.10	1 / 243	25.67	25.57	0.361	30.00	-4.43
	QPSK	3745.02	-0.10	1 / 120	25.69	25.59	0.362	30.00	-4.41
		3840.00	-0.10	1 / 243	25.51	25.41	0.348	30.00	-4.59
		3934.98	-0.10	1 / 1	25.35	25.25	0.335	30.00	-4.75
	16-QAM	3934.98	-0.10	1 / 1	24.50	24.40	0.275	30.00	-5.60
	64-QAM	3934.98	-0.10	1 / 243	23.59	23.49	0.223	30.00	-6.51
	256-QAM	3745.02	-0.10	1 / 1	20.76	20.66	0.116	30.00	-9.34
100 MHz	π/2 BPSK	3750.00	-0.10	1 / 135	25.70	25.60	0.363	30.00	-4.40
		3840.00	-0.10	1 / 135	25.50	25.40	0.347	30.00	-4.60
		3930.00	-0.10	1 / 271	25.50	25.40	0.347	30.00	-4.60
	QPSK	3750.00	-0.10	1 / 271	25.52	25.42	0.348	30.00	-4.58
		3840.00	-0.10	1 / 135	25.70	25.60	0.363	30.00	-4.40
		3930.00	-0.10	1 / 271	25.65	25.55	0.359	30.00	-4.45
	16-QAM	3840.00	-0.10	1 / 135	24.71	24.61	0.289	30.00	-5.39
	64-QAM	3930.00	-0.10	1 / 271	23.68	23.58	0.228	30.00	-6.42
	256-QAM	3750.00	-0.10	1 / 1	20.76	20.66	0.116	30.00	-9.34

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 236 of 265

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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	2.80	1 / 12	23.27	26.07	0.405	30.00	-3.93
		3500.01	2.80	1 / 12	23.47	26.27	0.424	30.00	-3.73
		3544.98	2.80	1 / 12	23.50	26.30	0.427	30.00	-3.70
	QPSK	3455.01	2.80	1 / 1	23.33	26.13	0.410	30.00	-3.87
		3500.01	2.80	1 / 22	23.41	26.21	0.418	30.00	-3.79
		3544.98	2.80	1 / 1	23.32	26.12	0.409	30.00	-3.88
15 MHz	π/2 BPSK	3500.01	2.80	1 / 22	22.45	25.25	0.335	30.00	-4.75
		3544.98	2.80	1 / 22	21.46	24.26	0.267	30.00	-5.74
		3544.98	2.80	1 / 12	18.53	21.33	0.136	30.00	-8.67
	QPSK	3457.50	2.80	1 / 36	23.45	26.25	0.422	30.00	-3.75
		3500.01	2.80	1 / 1	23.50	26.30	0.427	30.00	-3.70
		3542.49	2.80	1 / 36	23.12	25.92	0.391	30.00	-4.08
20 MHz	π/2 BPSK	3457.50	2.80	1 / 36	23.42	26.22	0.419	30.00	-3.78
		3500.01	2.80	1 / 1	23.37	26.17	0.414	30.00	-3.83
		3542.49	2.80	1 / 1	23.46	26.26	0.423	30.00	-3.74
	QPSK	3500.01	2.80	1 / 18	22.51	25.31	0.340	30.00	-4.69
		3457.50	2.80	1 / 18	21.48	24.28	0.268	30.00	-5.72
		3500.01	2.80	1 / 18	18.63	21.43	0.139	30.00	-8.57
25 MHz	π/2 BPSK	3460.02	2.80	1 / 49	23.40	26.20	0.417	30.00	-3.80
		3500.01	2.80	1 / 25	23.49	26.29	0.426	30.00	-3.71
		3540.00	2.80	1 / 1	23.37	26.17	0.414	30.00	-3.83
	QPSK	3460.02	2.80	1 / 49	23.50	26.30	0.427	30.00	-3.70
		3500.01	2.80	1 / 25	23.26	26.06	0.404	30.00	-3.94
		3540.00	2.80	1 / 25	23.38	26.18	0.415	30.00	-3.82
30 MHz	π/2 BPSK	3460.02	2.80	1 / 25	22.45	25.25	0.335	30.00	-4.75
		3460.02	2.80	1 / 25	21.43	24.23	0.265	30.00	-5.77
		3460.02	2.80	1 / 1	18.59	21.39	0.138	30.00	-8.61
	QPSK	3465.00	2.80	1 / 1	23.25	26.05	0.403	30.00	-3.95
		3500.01	2.80	1 / 1	23.50	26.30	0.427	30.00	-3.70
		3534.99	2.80	1 / 76	23.49	26.29	0.426	30.00	-3.71
35 MHz	π/2 BPSK	3465.00	2.80	1 / 76	23.40	26.20	0.417	30.00	-3.80
		3500.01	2.80	1 / 1	23.13	25.93	0.392	30.00	-4.07
		3534.99	2.80	1 / 36	23.50	26.30	0.427	30.00	-3.70
	QPSK	3465.00	2.80	1 / 36	22.49	25.29	0.338	30.00	-4.71
		3465.00	2.80	1 / 1	21.48	24.28	0.268	30.00	-5.72
		3465.00	2.80	1 / 1	18.52	21.32	0.136	30.00	-8.68
40 MHz	π/2 BPSK	3470.01	2.80	1 / 104	23.42	26.22	0.419	30.00	-3.78
		3500.01	2.80	1 / 1	23.50	26.30	0.427	30.00	-3.70
		3529.98	2.80	1 / 1	23.47	26.27	0.424	30.00	-3.73
	QPSK	3470.01	2.80	1 / 1	23.44	26.24	0.421	30.00	-3.76
		3500.01	2.80	1 / 50	23.48	26.28	0.425	30.00	-3.72
		3529.98	2.80	1 / 50	23.48	26.28	0.425	30.00	-3.72
45 MHz	π/2 BPSK	3470.01	2.80	1 / 50	22.60	25.40	0.347	30.00	-4.60
		3470.01	2.80	1 / 50	21.47	24.27	0.267	30.00	-5.73
		3470.01	2.80	1 / 1	18.72	21.52	0.142	30.00	-8.48
	QPSK	3475.02	2.80	1 / 131	23.47	26.27	0.424	30.00	-3.73
		3500.01	2.80	1 / 131	23.46	26.26	0.423	30.00	-3.74
		3525.00	2.80	1 / 1	23.50	26.30	0.427	30.00	-3.70
50 MHz	π/2 BPSK	3475.02	2.80	1 / 1	23.45	26.25	0.422	30.00	-3.75
		3500.01	2.80	1 / 131	23.19	25.99	0.397	30.00	-4.01
		3525.00	2.80	1 / 64	23.36	26.16	0.413	30.00	-3.84
	QPSK	3475.02	2.80	1 / 64	22.40	25.20	0.331	30.00	-4.80
		3500.01	2.80	1 / 1	21.35	24.15	0.260	30.00	-5.85
		3525.00	2.80	1 / 131	18.54	21.34	0.136	30.00	-8.66
55 MHz	π/2 BPSK	3480.00	2.80	1 / 81	23.48	26.28	0.425	30.00	-3.72
		3500.01	2.80	1 / 160	23.31	26.11	0.408	30.00	-3.89
		3519.99	2.80	1 / 160	23.46	26.26	0.423	30.00	-3.74
	QPSK	3480.00	2.80	1 / 160	23.50	26.30	0.427	30.00	-3.70
		3500.01	2.80	1 / 160	23.20	26.00	0.398	30.00	-4.00
		3519.99	2.80	1 / 1	23.43	26.23	0.420	30.00	-3.77
60 MHz	π/2 BPSK	3500.01	2.80	1 / 81	22.52	25.32	0.340	30.00	-4.68
		3480.00	2.80	1 / 160	21.52	24.32	0.270	30.00	-5.68
		3480.00	2.80	1 / 160	18.60	21.40	0.138	30.00	-8.60
	QPSK	3485.01	2.80	1 / 187	23.48	26.28	0.425	30.00	-3.72
		3500.01	2.80	1 / 187	23.43	26.23	0.420	30.00	-3.77
		3514.98	2.80	1 / 90	23.50	26.30	0.427	30.00	-3.70
65 MHz	π/2 BPSK	3485.01	2.80	1 / 187	23.43	26.23	0.420	30.00	-3.77
		3500.01	2.80	1 / 90	23.40	26.20	0.417	30.00	-3.80
		3514.98	2.80	1 / 187	23.50	26.30	0.427	30.00	-3.70
	QPSK	3485.01	2.80	1 / 1	22.44	25.24	0.334	30.00	-4.76
		3514.98	2.80	1 / 1	21.48	24.28	0.268	30.00	-5.72
		3500.01	2.80	1 / 1	18.61	21.41	0.138	30.00	-8.59
70 MHz	π/2 BPSK	3490.02	2.80	1 / 108	23.29	26.09	0.406	30.00	-3.91
		3500.01	2.80	1 / 108	23.43	26.23	0.420	30.00	-3.77
		3510.00	2.80	1 / 108	23.50	26.30	0.427	30.00	-3.70
	QPSK	3490.02	2.80	1 / 215	23.44	26.24	0.421	30.00	-3.76
		3500.01	2.80	1 / 108	23.44	26.24	0.421	30.00	-3.76
		3510.00	2.80	1 / 1	23.39	26.19	0.416	30.00	-3.81
75 MHz	π/2 BPSK	3500.01	2.80	1 / 108	22.43	25.23	0.333	30.00	-4.77
		3490.02	2.80	1 / 1	21.55	24.35	0.272	30.00	-5.65
		3510.00	2.80	1 / 215	18.62	21.42	0.139	30.00	-8.58
	QPSK	3495.00	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3500.01	2.80	1 / 243	23.50	26.30	0.427	30.00	-3.70
		3504.99	2.80	1 / 243	23.31	26.11	0.409	30.00	-3.89
80 MHz	π/2 BPSK	3495.00	2.80	1 / 1	23.33	26.13	0.410	30.00	-3.87
		3500.01	2.80	1 / 1	23.31	26.11	0.408	30.00	-3.89
		3504.99	2.80	1 / 243	23.39	26.19	0.416	30.00	-3.81
	QPSK	3495.00	2.80	1 / 120	22.51	25.31	0.340	30.00	-4.69
		3495.00	2.80	1 / 120	20.99	23.79	0.240	30.00	-6.21
		3504.99	2.80	1 / 120	18.90	21.70	0.148	30.00	-8.30
85 MHz	π/2 BPSK	3500.01	2.80	1 / 1	23.12	25.92	0.391	30.00	-4.08
		3500.01	2.80	1 / 271	23.08	25.88	0.387	30.00	-4.12
		3500.01	2.80	1 / 135	22.27	25.07	0.321	30.00	-4.93
	QPSK	3500.01	2.80	1 / 271	20.77	23.57	0.228	30.00	-6.43
		3500.01	2.80	1 / 1	18.67	21.47	0.140	30.00	-8.53

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 237 of 265

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	2.80	1 / 1	23.27	26.07	0.405	30.00	-3.93
		3500.01	2.80	1 / 12	23.24	26.04	0.402	30.00	-3.96
		3544.98	2.80	1 / 22	23.10	25.90	0.389	30.00	-4.10
	QPSK	3455.01	2.80	1 / 1	23.20	26.00	0.398	30.00	-4.00
		3500.01	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3544.98	2.80	1 / 1	23.24	26.04	0.402	30.00	-3.96
	16-QAM	3455.01	2.80	1 / 22	22.35	25.15	0.327	30.00	-4.85
	64-QAM	3500.01	2.80	1 / 12	21.35	24.15	0.260	30.00	-5.85
	256-QAM	3455.01	2.80	1 / 22	18.35	21.15	0.130	30.00	-8.85
	256-QAM	3500.01	2.80	1 / 12	21.35	24.15	0.260	30.00	-5.85
15 MHz	π/2 BPSK	3457.50	2.80	1 / 18	23.29	26.09	0.406	30.00	-3.91
		3500.01	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3542.49	2.80	1 / 36	23.07	25.87	0.386	30.00	-4.13
	QPSK	3457.50	2.80	1 / 1	23.00	25.80	0.380	30.00	-4.20
		3500.01	2.80	1 / 36	23.12	25.92	0.391	30.00	-4.08
		3542.49	2.80	1 / 36	23.10	25.90	0.389	30.00	-4.10
	16-QAM	3457.50	2.80	1 / 1	22.22	25.02	0.318	30.00	-4.98
	64-QAM	3542.49	2.80	1 / 18	21.13	23.93	0.247	30.00	-6.07
	256-QAM	3500.01	2.80	1 / 36	18.38	21.18	0.131	30.00	-8.82
	256-QAM	3500.01	2.80	1 / 36	18.38	21.18	0.131	30.00	-8.82
20 MHz	π/2 BPSK	3460.02	2.80	1 / 1	23.19	25.99	0.397	30.00	-4.01
		3500.01	2.80	1 / 25	23.30	26.10	0.407	30.00	-3.90
		3540.00	2.80	1 / 25	23.13	25.93	0.392	30.00	-4.07
	QPSK	3460.02	2.80	1 / 49	23.15	25.95	0.394	30.00	-4.05
		3500.01	2.80	1 / 25	22.96	25.76	0.377	30.00	-4.24
		3540.00	2.80	1 / 25	23.27	26.07	0.405	30.00	-3.93
	16-QAM	3540.00	2.80	1 / 25	22.31	25.11	0.324	30.00	-4.89
	64-QAM	3540.00	2.80	1 / 25	21.18	23.98	0.250	30.00	-6.02
	256-QAM	3540.00	2.80	1 / 25	18.37	21.17	0.131	30.00	-8.83
	256-QAM	3540.00	2.80	1 / 25	18.37	21.17	0.131	30.00	-8.83
30 MHz	π/2 BPSK	3465.00	2.80	1 / 36	23.22	26.02	0.400	30.00	-3.98
		3500.01	2.80	1 / 76	23.14	25.94	0.393	30.00	-4.06
		3534.99	2.80	1 / 1	23.24	26.04	0.402	30.00	-3.96
	QPSK	3465.00	2.80	1 / 76	23.04	25.84	0.384	30.00	-4.16
		3500.01	2.80	1 / 76	23.19	25.99	0.397	30.00	-4.01
		3534.99	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
	16-QAM	3534.99	2.80	1 / 36	22.24	25.04	0.319	30.00	-4.96
	64-QAM	3534.99	2.80	1 / 76	21.17	23.97	0.249	30.00	-6.03
	256-QAM	3534.99	2.80	1 / 1	18.40	21.20	0.132	30.00	-8.80
	256-QAM	3534.99	2.80	1 / 1	18.40	21.20	0.132	30.00	-8.80
40 MHz	π/2 BPSK	3470.01	2.80	1 / 1	23.26	26.06	0.404	30.00	-3.94
		3500.01	2.80	1 / 50	23.13	25.93	0.392	30.00	-4.07
		3529.98	2.80	1 / 50	23.28	26.08	0.406	30.00	-3.92
	QPSK	3470.01	2.80	1 / 1	23.19	25.99	0.397	30.00	-4.01
		3500.01	2.80	1 / 1	23.12	25.92	0.391	30.00	-4.08
		3529.98	2.80	1 / 50	23.30	26.10	0.407	30.00	-3.90
	16-QAM	3529.98	2.80	1 / 104	22.27	25.07	0.321	30.00	-4.93
	64-QAM	3500.01	2.80	1 / 104	21.30	24.10	0.257	30.00	-5.90
	256-QAM	3500.01	2.80	1 / 104	18.42	21.22	0.132	30.00	-8.78
	256-QAM	3500.01	2.80	1 / 104	18.42	21.22	0.132	30.00	-8.78
50 MHz	π/2 BPSK	3475.02	2.80	1 / 1	23.28	26.08	0.406	30.00	-3.92
		3500.01	2.80	1 / 64	23.26	26.06	0.404	30.00	-3.94
		3525.00	2.80	1 / 64	23.30	26.10	0.407	30.00	-3.90
	QPSK	3475.02	2.80	1 / 131	23.15	25.95	0.394	30.00	-4.05
		3500.01	2.80	1 / 1	23.12	25.92	0.391	30.00	-4.08
		3525.00	2.80	1 / 64	23.07	25.87	0.386	30.00	-4.13
	16-QAM	3500.01	2.80	1 / 64	22.22	25.02	0.318	30.00	-4.98
	64-QAM	3475.02	2.80	1 / 131	21.19	23.99	0.251	30.00	-6.01
	256-QAM	3500.01	2.80	1 / 1	18.37	21.17	0.131	30.00	-8.83
	256-QAM	3500.01	2.80	1 / 1	18.37	21.17	0.131	30.00	-8.83
	256-QAM	3500.01	2.80	1 / 1	18.37	21.17	0.131	30.00	-8.83
60 MHz	π/2 BPSK	3480.00	2.80	1 / 160	23.30	26.10	0.407	30.00	-3.90
		3500.01	2.80	1 / 1	23.08	25.88	0.387	30.00	-4.12
		3519.99	2.80	1 / 81	23.25	26.05	0.403	30.00	-3.95
	QPSK	3480.00	2.80	1 / 81	23.06	25.86	0.385	30.00	-4.14
		3500.01	2.80	1 / 81	22.95	25.75	0.376	30.00	-4.25
		3519.99	2.80	1 / 81	23.26	26.06	0.404	30.00	-3.94
	16-QAM	3480.00	2.80	1 / 160	22.32	25.12	0.325	30.00	-4.88
	64-QAM	3519.99	2.80	1 / 1	21.34	24.14	0.259	30.00	-5.86
	256-QAM	3519.99	2.80	1 / 81	18.47	21.27	0.134	30.00	-8.73
	256-QAM	3519.99	2.80	1 / 81	18.47	21.27	0.134	30.00	-8.73
70 MHz	π/2 BPSK	3485.01	2.80	1 / 187	23.27	26.07	0.405	30.00	-3.93
		3500.01	2.80	1 / 90	23.25	26.05	0.403	30.00	-3.95
		3514.98	2.80	1 / 90	23.30	26.10	0.407	30.00	-3.90
	QPSK	3485.01	2.80	1 / 1	22.90	25.70	0.372	30.00	-4.30
		3500.01	2.80	1 / 1	23.25	26.05	0.403	30.00	-3.95
		3514.98	2.80	1 / 187	23.20	26.00	0.398	30.00	-4.00
	16-QAM	3485.01	2.80	1 / 187	22.27	25.07	0.321	30.00	-4.93
	64-QAM	3514.98	2.80	1 / 90	21.28	24.08	0.256	30.00	-5.92
	256-QAM	3500.01	2.80	1 / 90	18.39	21.19	0.132	30.00	-8.81
	256-QAM	3500.01	2.80	1 / 90	18.39	21.19	0.132	30.00	-8.81
	256-QAM	3500.01	2.80	1 / 90	18.39	21.19	0.132	30.00	-8.81
80 MHz	π/2 BPSK	3490.02	2.80	1 / 215	23.11	25.91	0.390	30.00	-4.09
		3500.01	2.80	1 / 108	23.01	25.81	0.381	30.00	-4.19
		3510.00	2.80	1 / 108	23.15	25.95	0.394	30.00	-4.05
	QPSK	3490.02	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3500.01	2.80	1 / 1	23.19	25.99	0.397	30.00	-4.01
		3510.00	2.80	1 / 215	23.25	26.05	0.403	30.00	-3.95
	16-QAM	3510.00	2.80	1 / 1	22.31	25.11	0.324	30.00	-4.89
	64-QAM	3500.01	2.80	1 / 215	21.30	24.10	0.257	30.00	-5.90
	256-QAM	3490.02	2.80	1 / 215	18.38	21.18	0.131	30.00	-8.82
	256-QAM	3490.02	2.80	1 / 215	18.38	21.18	0.131	30.00	-8.82
	256-QAM	3490.02	2.80	1 / 215	18.38	21.18	0.131	30.00	-8.82
90 MHz	π/2 BPSK	3495.00	2.80	1 / 120	23.14	25.94	0.393	30.00	-4.06
		3500.01	2.80	1 / 243	23.24	26.04	0.402	30.00	-3.96
		3504.99	2.80	1 / 120	23.30	26.10	0.407	30.00	-3.90
	QPSK	3495.00	2.80	1 / 243	23.09	25.89	0.388	30.00	-4.11
		3500.01	2.80	1 / 120	23.24	26.04	0.402	30.00	-3.96
		3504.99	2.80	1 / 243	23.21	26.01	0.399	30.00	-3.99
	16-QAM	3500.01	2.80	1 / 243	22.36	25.16	0.328	30.00	-4.84
	64-QAM	3495.00	2.80	1 / 243	21.38	24.18	0.262	30.00	-5.82
	256-QAM	3495.00	2.80	1 / 120	18.48	21.28	0.134	30.00	-8.72
	256-QAM	3500.01	2.80	1 / 271	23.30	26.10	0.407	30.00	-3.90
100 MHz	π/2 BPSK	3500.01	2.80	1 / 1	23.01	25.81	0.381	30.00	-4.19
		3500.01	2.80	1 / 1	22.27	25.07	0.321	30.00	-4.93
		3500.01	2.80	1 / 271	21.34	24.14	0.259	30.00	-5.86
	QPSK	3500.01	2.80	1 / 1	23.01	25.81	0.381	30.00	-4.19
		3500.01	2.80	1 / 1	22.27	25.07	0.321	30.00	-4.93
		3500.01	2.80	1 / 271	21.34	24.14	0.259	30.00	-5.86
	16-QAM	3500.01	2.80	1 / 271	21.34	24.14	0.259	30.00	-5.86
	64-QAM	3500.01	2.80	1 / 271	21.34	24.14	0.259	30.00	-5.86
	256-QAM	3500.01	2.80	1 / 271	18.25	21.05	0.127	30.00	-8.95
	256-QAM	3500.01	2.80	1 / 271	18.25	21.05	0.127	30.00	-8.95
	256-QAM	3500.01	2.80	1 / 271	18.25	21.05	0.127	30.00	-8.95

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	2.80	1 / 12	23.50	26.30	0.427	30.00	-3.70
		3840.00	2.80	1 / 1	23.02	25.82	0.382	30.00	-4.18
		3975.00	2.80	1 / 12	23.21	26.01	0.399	30.00	-3.99
	QPSK	3705.00	2.80	1 / 12	23.38	26.18	0.415	30.00	-3.82
		3840.00	2.80	1 / 12	23.49	26.29	0.426	30.00	-3.71
		3975.00	2.80	1 / 22	23.27	26.07	0.405	30.00	-3.93
	16-QAM	3975.00	2.80	1 / 12	22.50	25.30	0.339	30.00	-4.70
	64-QAM	3840.00	2.80	1 / 22	21.49	24.29	0.269	30.00	-5.71
	256-QAM	3705.00	2.80	1 / 22	18.55	21.35	0.136	30.00	-8.65
15 MHz	π/2 BPSK	3707.51	2.80	1 / 1	23.38	26.18	0.415	30.00	-3.82
		3840.00	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3972.50	2.80	1 / 36	23.36	26.16	0.413	30.00	-3.84
	QPSK	3707.51	2.80	1 / 36	23.45	26.25	0.422	30.00	-3.75
		3840.00	2.80	1 / 36	23.50	26.30	0.427	30.00	-3.70
		3972.50	2.80	1 / 18	23.32	26.12	0.409	30.00	-3.88
	16-QAM	3707.51	2.80	1 / 18	22.54	25.34	0.342	30.00	-4.66
	64-QAM	3707.51	2.80	1 / 36	21.54	24.34	0.272	30.00	-5.66
	256-QAM	3707.51	2.80	1 / 18	18.65	21.45	0.140	30.00	-8.55
20 MHz	π/2 BPSK	3710.01	2.80	1 / 25	23.41	26.21	0.418	30.00	-3.79
		3840.00	2.80	1 / 25	23.35	26.15	0.412	30.00	-3.85
		3969.99	2.80	1 / 1	23.43	26.23	0.420	30.00	-3.77
	QPSK	3710.01	2.80	1 / 49	23.45	26.25	0.422	30.00	-3.75
		3840.00	2.80	1 / 25	23.50	26.30	0.427	30.00	-3.70
		3969.99	2.80	1 / 49	23.43	26.23	0.420	30.00	-3.77
	16-QAM	3840.00	2.80	1 / 1	22.54	25.34	0.342	30.00	-4.66
	64-QAM	3710.01	2.80	1 / 25	21.40	24.20	0.263	30.00	-5.80
	256-QAM	3840.00	2.80	1 / 1	18.63	21.43	0.139	30.00	-8.57
30 MHz	π/2 BPSK	3715.02	2.80	1 / 1	23.32	26.12	0.409	30.00	-3.88
		3840.00	2.80	1 / 1	23.34	26.14	0.411	30.00	-3.86
		3964.98	2.80	1 / 76	23.49	26.29	0.426	30.00	-3.71
	QPSK	3715.02	2.80	1 / 1	23.45	26.25	0.422	30.00	-3.75
		3840.00	2.80	1 / 1	23.50	26.30	0.427	30.00	-3.70
		3964.98	2.80	1 / 76	23.34	26.14	0.411	30.00	-3.86
	16-QAM	3715.02	2.80	1 / 1	22.45	25.25	0.335	30.00	-4.75
	64-QAM	3715.02	2.80	1 / 76	21.47	24.27	0.267	30.00	-5.73
	256-QAM	3840.00	2.80	1 / 1	18.56	21.36	0.137	30.00	-8.64
40 MHz	π/2 BPSK	3720.00	2.80	1 / 104	23.50	26.30	0.427	30.00	-3.70
		3840.00	2.80	1 / 1	23.40	26.20	0.417	30.00	-3.80
		3960.00	2.80	1 / 50	23.50	26.30	0.427	30.00	-3.70
	QPSK	3720.00	2.80	1 / 1	23.46	26.26	0.423	30.00	-3.74
		3840.00	2.80	1 / 50	23.42	26.22	0.419	30.00	-3.78
		3960.00	2.80	1 / 104	23.42	26.22	0.419	30.00	-3.78
	16-QAM	3720.00	2.80	1 / 104	22.60	25.40	0.347	30.00	-4.60
	64-QAM	3840.00	2.80	1 / 50	21.58	24.38	0.274	30.00	-5.62
	256-QAM	3960.00	2.80	1 / 50	18.71	21.51	0.142	30.00	-8.49
50 MHz	π/2 BPSK	3725.01	2.80	1 / 1	23.38	26.18	0.415	30.00	-3.82
		3840.00	2.80	1 / 1	23.45	26.25	0.422	30.00	-3.75
		3954.99	2.80	1 / 64	23.29	26.09	0.406	30.00	-3.91
	QPSK	3725.01	2.80	1 / 64	23.34	26.14	0.411	30.00	-3.86
		3840.00	2.80	1 / 1	23.50	26.30	0.427	30.00	-3.70
		3954.99	2.80	1 / 131	23.42	26.22	0.419	30.00	-3.78
	16-QAM	3840.00	2.80	1 / 64	22.57	25.37	0.344	30.00	-4.63
	64-QAM	3954.99	2.80	1 / 1	21.57	24.37	0.274	30.00	-5.63
	256-QAM	3954.99	2.80	1 / 1	18.66	21.46	0.140	30.00	-8.54
60 MHz	π/2 BPSK	3730.02	2.80	1 / 1	23.34	26.14	0.411	30.00	-3.86
		3840.00	2.80	1 / 160	23.44	26.24	0.421	30.00	-3.76
		3949.98	2.80	1 / 81	23.39	26.19	0.416	30.00	-3.81
	QPSK	3730.02	2.80	1 / 81	23.50	26.30	0.427	30.00	-3.70
		3840.00	2.80	1 / 160	23.40	26.20	0.417	30.00	-3.80
		3949.98	2.80	1 / 160	23.25	26.05	0.403	30.00	-3.95
	16-QAM	3949.98	2.80	1 / 160	22.53	25.33	0.341	30.00	-4.67
	64-QAM	3730.02	2.80	1 / 81	21.54	24.34	0.272	30.00	-5.66
	256-QAM	3730.02	2.80	1 / 1	18.64	21.44	0.139	30.00	-8.56
70 MHz	π/2 BPSK	3735.00	2.80	1 / 90	23.50	26.30	0.427	30.00	-3.70
		3840.00	2.80	1 / 1	23.33	26.13	0.410	30.00	-3.87
		3945.00	2.80	1 / 187	23.38	26.18	0.415	30.00	-3.82
	QPSK	3735.00	2.80	1 / 1	23.31	26.11	0.408	30.00	-3.89
		3840.00	2.80	1 / 90	23.49	26.29	0.426	30.00	-3.71
		3945.00	2.80	1 / 187	23.32	26.12	0.409	30.00	-3.88
	16-QAM	3945.00	2.80	1 / 1	22.47	25.27	0.337	30.00	-4.73
	64-QAM	3945.00	2.80	1 / 1	21.41	24.21	0.264	30.00	-5.79
	256-QAM	3735.00	2.80	1 / 187	18.61	21.41	0.138	30.00	-8.59
80 MHz	π/2 BPSK	3740.01	2.80	1 / 108	23.25	26.05	0.403	30.00	-3.95
		3840.00	2.80	1 / 108	23.40	26.20	0.417	30.00	-3.80
		3939.99	2.80	1 / 215	23.50	26.30	0.427	30.00	-3.70
	QPSK	3740.01	2.80	1 / 1	23.45	26.25	0.422	30.00	-3.75
		3840.00	2.80	1 / 108	23.47	26.27	0.424	30.00	-3.73
		3939.99	2.80	1 / 108	23.45	26.25	0.422	30.00	-3.75
	16-QAM	3740.01	2.80	1 / 215	22.48	25.28	0.337	30.00	-4.72
	64-QAM	3840.00	2.80	1 / 108	21.51	24.31	0.270	30.00	-5.69
	256-QAM	3939.99	2.80	1 / 1	18.50	21.30	0.135	30.00	-8.70
90 MHz	π/2 BPSK	3745.02	2.80	1 / 1	23.44	26.24	0.421	30.00	-3.76
		3840.00	2.80	1 / 1	23.35	26.15	0.412	30.00	-3.85
		3934.98	2.80	1 / 120	23.50	26.30	0.427	30.00	-3.70
	QPSK	3745.02	2.80	1 / 1	23.49	26.29	0.426	30.00	-3.71
		3840.00	2.80	1 / 1	23.39	26.19	0.416	30.00	-3.81
		3934.98	2.80	1 / 1	23.39	26.19	0.416	30.00	-3.81
	16-QAM	3745.02	2.80	1 / 243	22.49	25.29	0.338	30.00	-4.71
	64-QAM	3745.02	2.80	1 / 120	21.52	24.32	0.270	30.00	-5.68
	256-QAM	3934.98	2.80	1 / 243	18.56	21.36	0.137	30.00	-8.64
100 MHz	π/2 BPSK	3750.00	2.80	1 / 135	23.46	26.26	0.423	30.00	-3.74
		3840.00	2.80	1 / 271	23.50	26.30	0.427	30.00	-3.70
		3930.00	2.80	1 / 1	23.31	26.11	0.408	30.00	-3.89
	QPSK	3750.00	2.80	1 / 135	23.24	26.04	0.402	30.00	-3.96
		3840.00	2.80	1 / 271	23.50	26.30	0.427	30.00	-3.70
		3930.00	2.80	1 / 271	23.28	26.08	0.406	30.00	-3.92
	16-QAM	3750.00	2.80	1 / 271	22.43	25.23	0.333	30.00	-4.77
	64-QAM	3840.00	2.80	1 / 135	21.45	24.25	0.266	30.00	-5.75
	256-QAM	3840.00	2.80	1 / 135	18.58	21.38	0.137	30.00	-8.62

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 239 of 265

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	2.80	1 / 1	23.24	26.04	0.402	30.00	-3.96
		3840.00	2.80	1 / 1	23.07	25.87	0.386	30.00	-4.13
		3975.00	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
	QPSK	3705.00	2.80	1 / 22	23.13	25.93	0.392	30.00	-4.07
		3840.00	2.80	1 / 22	23.22	26.02	0.400	30.00	-3.98
		3975.00	2.80	1 / 12	23.24	26.04	0.402	30.00	-3.96
	16-QAM	3705.00	2.80	1 / 22	22.28	25.08	0.322	30.00	-4.92
	64-QAM	3705.00	2.80	1 / 12	21.33	24.13	0.259	30.00	-5.87
	256-QAM	3840.00	2.80	1 / 1	18.38	21.18	0.131	30.00	-8.82
	256-QAM	3975.00	2.80	1 / 1	18.38	21.18	0.131	30.00	-8.82
15 MHz	π/2 BPSK	3707.51	2.80	1 / 36	23.30	26.10	0.407	30.00	-3.90
		3840.00	2.80	1 / 18	23.14	25.94	0.393	30.00	-4.06
		3972.50	2.80	1 / 18	23.29	26.09	0.406	30.00	-3.91
	QPSK	3707.51	2.80	1 / 18	23.28	26.08	0.406	30.00	-3.92
		3840.00	2.80	1 / 1	23.24	26.04	0.402	30.00	-3.96
		3972.50	2.80	1 / 18	23.19	25.99	0.397	30.00	-4.01
	16-QAM	3840.00	2.80	1 / 36	22.32	25.12	0.325	30.00	-4.88
	64-QAM	3972.50	2.80	1 / 36	21.32	24.12	0.258	30.00	-5.88
	256-QAM	3972.50	2.80	1 / 18	18.39	21.19	0.132	30.00	-8.81
	256-QAM	3972.50	2.80	1 / 18	18.39	21.19	0.132	30.00	-8.81
20 MHz	π/2 BPSK	3710.01	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3840.00	2.80	1 / 25	23.12	25.92	0.391	30.00	-4.08
		3969.99	2.80	1 / 49	23.30	26.10	0.407	30.00	-3.90
	QPSK	3710.01	2.80	1 / 49	23.19	25.99	0.397	30.00	-4.01
		3840.00	2.80	1 / 49	23.07	25.87	0.386	30.00	-4.13
		3969.99	2.80	1 / 1	23.15	25.95	0.394	30.00	-4.05
	16-QAM	3840.00	2.80	1 / 49	22.29	25.09	0.323	30.00	-4.91
	64-QAM	3710.01	2.80	1 / 49	21.38	24.18	0.262	30.00	-5.82
	256-QAM	3710.01	2.80	1 / 1	18.49	21.29	0.135	30.00	-8.71
	256-QAM	3710.01	2.80	1 / 1	18.49	21.29	0.135	30.00	-8.71
30 MHz	π/2 BPSK	3715.02	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3840.00	2.80	1 / 36	23.28	26.08	0.406	30.00	-3.92
		3964.98	2.80	1 / 1	23.23	26.03	0.401	30.00	-3.97
	QPSK	3715.02	2.80	1 / 36	23.17	25.97	0.395	30.00	-4.03
		3840.00	2.80	1 / 1	23.27	26.07	0.405	30.00	-3.93
		3964.98	2.80	1 / 36	23.29	26.09	0.406	30.00	-3.91
	16-QAM	3964.98	2.80	1 / 1	22.26	25.06	0.321	30.00	-4.94
	64-QAM	3840.00	2.80	1 / 1	21.28	24.08	0.256	30.00	-5.92
	256-QAM	3964.98	2.80	1 / 76	18.39	21.19	0.132	30.00	-8.81
	256-QAM	3964.98	2.80	1 / 76	18.39	21.19	0.132	30.00	-8.81
40 MHz	π/2 BPSK	3720.00	2.80	1 / 1	23.25	26.05	0.403	30.00	-3.95
		3840.00	2.80	1 / 50	23.30	26.10	0.407	30.00	-3.90
		3960.00	2.80	1 / 104	23.26	26.06	0.404	30.00	-3.94
	QPSK	3720.00	2.80	1 / 104	23.26	26.06	0.404	30.00	-3.94
		3840.00	2.80	1 / 104	23.28	26.08	0.406	30.00	-3.92
		3960.00	2.80	1 / 50	23.13	25.93	0.392	30.00	-4.07
	16-QAM	3720.00	2.80	1 / 50	22.23	25.03	0.318	30.00	-4.97
	64-QAM	3840.00	2.80	1 / 104	21.34	24.14	0.259	30.00	-5.86
	256-QAM	3960.00	2.80	1 / 50	18.45	21.25	0.133	30.00	-8.75
	256-QAM	3960.00	2.80	1 / 50	18.45	21.25	0.133	30.00	-8.75
50 MHz	π/2 BPSK	3725.01	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3840.00	2.80	1 / 64	23.21	26.01	0.399	30.00	-3.99
		3954.99	2.80	1 / 1	23.22	26.02	0.400	30.00	-3.98
	QPSK	3725.01	2.80	1 / 1	23.23	26.03	0.401	30.00	-3.97
		3840.00	2.80	1 / 1	23.20	26.00	0.398	30.00	-4.00
		3954.99	2.80	1 / 64	23.19	25.99	0.397	30.00	-4.01
	16-QAM	3725.01	2.80	1 / 64	22.27	25.07	0.321	30.00	-4.93
	64-QAM	3954.99	2.80	1 / 64	21.31	24.11	0.258	30.00	-5.89
	256-QAM	3840.00	2.80	1 / 1	18.39	21.19	0.132	30.00	-8.81
	256-QAM	3840.00	2.80	1 / 1	18.39	21.19	0.132	30.00	-8.81
60 MHz	π/2 BPSK	3730.02	2.80	1 / 81	23.26	26.06	0.404	30.00	-3.94
		3840.00	2.80	1 / 160	23.30	26.10	0.407	30.00	-3.90
		3949.98	2.80	1 / 160	23.29	26.09	0.406	30.00	-3.91
	QPSK	3730.02	2.80	1 / 1	23.23	26.03	0.401	30.00	-3.97
		3840.00	2.80	1 / 81	23.04	25.84	0.384	30.00	-4.16
		3949.98	2.80	1 / 1	23.27	26.07	0.405	30.00	-3.93
	16-QAM	3949.98	2.80	1 / 81	22.32	25.12	0.325	30.00	-4.88
	64-QAM	3840.00	2.80	1 / 81	21.28	24.08	0.256	30.00	-5.92
	256-QAM	3949.98	2.80	1 / 81	18.41	21.21	0.132	30.00	-8.79
	256-QAM	3949.98	2.80	1 / 81	18.41	21.21	0.132	30.00	-8.79
70 MHz	π/2 BPSK	3735.00	2.80	1 / 187	23.30	26.10	0.407	30.00	-3.90
		3840.00	2.80	1 / 187	23.26	26.06	0.404	30.00	-3.94
		3945.00	2.80	1 / 187	23.19	25.99	0.397	30.00	-4.01
	QPSK	3735.00	2.80	1 / 1	23.05	25.85	0.385	30.00	-4.15
		3840.00	2.80	1 / 187	23.14	25.94	0.393	30.00	-4.06
		3945.00	2.80	1 / 187	23.25	26.05	0.403	30.00	-3.95
	16-QAM	3735.00	2.80	1 / 1	22.29	25.09	0.323	30.00	-4.91
	64-QAM	3735.00	2.80	1 / 1	21.27	24.07	0.255	30.00	-5.93
	256-QAM	3945.00	2.80	1 / 187	18.41	21.21	0.132	30.00	-8.79
	256-QAM	3945.00	2.80	1 / 187	18.41	21.21	0.132	30.00	-8.79
80 MHz	π/2 BPSK	3740.01	2.80	1 / 1	23.29	26.09	0.406	30.00	-3.91
		3840.00	2.80	1 / 108	23.29	26.09	0.406	30.00	-3.91
		3939.99	2.80	1 / 215	23.30	26.10	0.407	30.00	-3.90
	QPSK	3740.01	2.80	1 / 1	23.24	26.04	0.402	30.00	-3.96
		3840.00	2.80	1 / 1	23.19	25.99	0.397	30.00	-4.01
		3939.99	2.80	1 / 215	23.18	25.98	0.396	30.00	-4.02
	16-QAM	3740.01	2.80	1 / 108	22.28	25.08	0.322	30.00	-4.92
	64-QAM	3939.99	2.80	1 / 108	21.28	24.08	0.256	30.00	-5.92
	256-QAM	3740.01	2.80	1 / 108	18.38	21.18	0.131	30.00	-8.82
	256-QAM	3740.01	2.80	1 / 108	18.38	21.18	0.131	30.00	-8.82
90 MHz	π/2 BPSK	3745.02	2.80	1 / 120	23.30	26.10	0.407	30.00	-3.90
		3840.00	2.80	1 / 243	23.00	25.80	0.380	30.00	-4.20
		3934.98	2.80	1 / 120	23.20	26.00	0.398	30.00	-4.00
	QPSK	3745.02	2.80	1 / 1	23.23	26.03	0.401	30.00	-3.97
		3840.00	2.80	1 / 243	23.22	26.02	0.400	30.00	-3.98
		3934.98	2.80	1 / 243	23.27	26.07	0.405	30.00	-3.93
	16-QAM	3934.98	2.80	1 / 120	22.30	25.10	0.324	30.00	-4.90
	64-QAM	3934.98	2.80	1 / 243	21.29	24.09	0.256	30.00	-5.91
	256-QAM	3745.02	2.80	1 / 1	18.35	21.15	0.130	30.00	-8.85
	256-QAM	3745.02	2.80	1 / 1	18.35	21.15	0.130	30.00	-8.85
100 MHz	π/2 BPSK	3750.00	2.80	1 / 1	23.30	26.10	0.407	30.00	-3.90
		3840.00	2.80	1 / 1	23.18	25.98	0.396	30.00	-4.02
		3930.00	2.80	1 / 271	23.24	26.04	0.402	30.00	-3.96
	QPSK	3750.00	2.80	1 / 135	23.21	26.01	0.399	30.00	-3.99
		3840.00	2.80	1 / 135	22.94	25.74	0.375	30.00	-4.26
		3930.00	2.80	1 / 1	23.28	26.08	0.406	30.00	-3.92
	16-QAM	3840.00	2.80	1 / 271	22.22	25.02	0.318	30.00	-4.98
	64-QAM	3750.00	2.80	1 / 135	21.22	24.02	0.252	30.00	-5.98
	256-QAM	3930.00	2.80	1 / 135	18.32	21.12	0.129	30.00	-8.88
	256-QAM	3930.00	2.80	1 / 135	18.32	21.12	0.129	30.00	-8.88

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	m/2 BPSK	3455.01	2.10	1 / 1	27.00	29.10	0.813	30.00	-0.90	
		3500.01	2.10	1 / 22	26.86	28.96	0.787	30.00	-1.04	
		3544.98	2.10	1 / 1	26.84	28.94	0.783	30.00	-1.06	
		3455.01	2.10	1 / 12	26.93	29.03	0.800	30.00	-0.97	
		3500.01	2.10	1 / 12	26.94	29.04	0.802	30.00	-0.96	
	QPSK	3544.98	2.10	1 / 12	26.98	29.08	0.809	30.00	-0.92	
		16-QAM	3455.01	2.10	1 / 12	25.90	28.00	0.631	30.00	-2.00
		64-QAM	3544.98	2.10	1 / 12	25.03	27.13	0.516	30.00	-2.87
		256-QAM	3500.01	2.10	1 / 1	22.17	24.27	0.267	30.00	-5.73
		15 MHz	m/2 BPSK	3457.50	2.10	1 / 1	26.97	29.07	0.807	30.00
3500.01	2.10			1 / 18	26.70	28.80	0.759	30.00	-1.20	
3542.49	2.10			1 / 1	26.86	28.96	0.787	30.00	-1.04	
3457.50	2.10			1 / 1	26.94	29.04	0.802	30.00	-0.96	
3500.01	2.10			1 / 1	27.00	29.10	0.813	30.00	-0.90	
QPSK	3542.49		2.10	1 / 1	26.86	28.96	0.787	30.00	-1.04	
	16-QAM		3542.49	2.10	1 / 36	26.00	28.10	0.646	30.00	-1.90
	64-QAM		3457.50	2.10	1 / 1	24.96	27.06	0.508	30.00	-2.94
	256-QAM		3457.50	2.10	1 / 1	22.10	24.20	0.263	30.00	-5.80
	20 MHz		m/2 BPSK	3460.02	2.10	1 / 49	27.00	29.10	0.813	30.00
3500.01		2.10		1 / 25	27.00	29.10	0.813	30.00	-0.90	
3540.00		2.10		1 / 1	26.95	29.05	0.804	30.00	-0.95	
3460.02		2.10		1 / 1	26.88	28.98	0.791	30.00	-1.02	
3500.01		2.10		1 / 25	26.64	28.74	0.748	30.00	-1.26	
QPSK		3540.00	2.10	1 / 25	26.94	29.04	0.802	30.00	-0.96	
		16-QAM	3540.00	2.10	1 / 25	25.97	28.07	0.641	30.00	-1.93
		64-QAM	3460.02	2.10	1 / 49	24.94	27.04	0.506	30.00	-2.96
		256-QAM	3460.02	2.10	1 / 25	22.02	24.12	0.258	30.00	-5.88
		30 MHz	m/2 BPSK	3465.00	2.10	1 / 36	26.83	28.93	0.782	30.00
3500.01	2.10			1 / 1	26.91	29.01	0.796	30.00	-0.99	
3534.99	2.10			1 / 76	26.90	29.00	0.794	30.00	-1.00	
3465.00	2.10			1 / 1	26.66	28.76	0.752	30.00	-1.24	
3500.01	2.10			1 / 76	26.97	29.07	0.807	30.00	-0.93	
QPSK	3534.99		2.10	1 / 76	27.00	29.10	0.813	30.00	-0.90	
	16-QAM		3465.00	2.10	1 / 36	26.02	28.12	0.649	30.00	-1.88
	64-QAM		3500.01	2.10	1 / 1	25.02	27.12	0.515	30.00	-2.88
	256-QAM		3500.01	2.10	1 / 36	22.13	24.23	0.265	30.00	-5.77
	40 MHz		m/2 BPSK	3470.01	2.10	1 / 1	27.00	29.10	0.813	30.00
3500.01		2.10		1 / 1	26.89	28.99	0.793	30.00	-1.01	
3529.98		2.10		1 / 50	26.95	29.05	0.804	30.00	-0.95	
3470.01		2.10		1 / 50	26.83	28.93	0.782	30.00	-1.07	
3500.01		2.10		1 / 1	26.95	29.05	0.804	30.00	-0.95	
QPSK		3529.98	2.10	1 / 104	26.95	29.05	0.804	30.00	-0.95	
		16-QAM	3529.98	2.10	1 / 104	25.98	28.08	0.643	30.00	-1.92
		64-QAM	3529.98	2.10	1 / 50	25.08	27.18	0.522	30.00	-2.82
		256-QAM	3529.98	2.10	1 / 1	22.11	24.21	0.264	30.00	-5.79
		50 MHz	m/2 BPSK	3475.02	2.10	1 / 131	26.87	28.97	0.789	30.00
3500.01	2.10			1 / 1	26.97	29.07	0.807	30.00	-0.93	
3525.00	2.10			1 / 64	26.94	29.04	0.802	30.00	-0.96	
3475.02	2.10			1 / 1	26.77	28.87	0.771	30.00	-1.13	
3500.01	2.10			1 / 1	27.00	29.10	0.813	30.00	-0.90	
QPSK	3525.00		2.10	1 / 1	26.94	29.04	0.802	30.00	-0.96	
	16-QAM		3475.02	2.10	1 / 64	26.03	28.13	0.650	30.00	-1.87
	64-QAM		3500.01	2.10	1 / 131	24.98	27.08	0.511	30.00	-2.92
	256-QAM		3500.01	2.10	1 / 131	22.14	24.24	0.265	30.00	-5.76
	60 MHz		m/2 BPSK	3480.00	2.10	1 / 1	26.82	28.92	0.780	30.00
3500.01		2.10		1 / 81	26.75	28.85	0.767	30.00	-1.15	
3519.99		2.10		1 / 81	26.67	28.77	0.753	30.00	-1.23	
3480.00		2.10		1 / 81	26.96	29.06	0.805	30.00	-0.94	
3500.01		2.10		1 / 1	27.00	29.10	0.813	30.00	-0.90	
QPSK		3519.99	2.10	1 / 160	26.86	28.96	0.787	30.00	-1.04	
		16-QAM	3480.00	2.10	1 / 160	26.02	28.12	0.649	30.00	-1.88
		64-QAM	3480.00	2.10	1 / 160	24.99	27.09	0.512	30.00	-2.91
		256-QAM	3500.01	2.10	1 / 81	21.91	24.01	0.252	30.00	-5.99
		70 MHz	m/2 BPSK	3485.01	2.10	1 / 90	27.00	29.10	0.813	30.00
3500.01	2.10			1 / 90	26.91	29.01	0.796	30.00	-0.99	
3514.98	2.10			1 / 187	26.97	29.07	0.807	30.00	-0.93	
3485.01	2.10			1 / 90	26.99	29.09	0.811	30.00	-0.91	
3500.01	2.10			1 / 90	26.71	28.81	0.760	30.00	-1.19	
QPSK	3514.98		2.10	1 / 1	26.99	29.09	0.811	30.00	-0.91	
	16-QAM		3485.01	2.10	1 / 90	25.87	27.97	0.627	30.00	-2.03
	64-QAM		3500.01	2.10	1 / 1	24.89	26.99	0.500	30.00	-3.01
	256-QAM		3500.01	2.10	1 / 187	22.10	24.20	0.263	30.00	-5.80
	80 MHz		m/2 BPSK	3490.02	2.10	1 / 1	26.87	28.97	0.789	30.00
3500.01		2.10		1 / 108	27.00	29.10	0.813	30.00	-0.90	
3510.00		2.10		1 / 215	26.98	29.08	0.809	30.00	-0.92	
3490.02		2.10		1 / 108	26.99	29.09	0.811	30.00	-0.91	
3500.01		2.10		1 / 215	26.93	29.03	0.800	30.00	-0.97	
QPSK		3510.00	2.10	1 / 108	26.92	29.02	0.798	30.00	-0.98	
		16-QAM	3490.02	2.10	1 / 108	25.95	28.05	0.638	30.00	-1.95
		64-QAM	3500.01	2.10	1 / 215	24.93	27.03	0.505	30.00	-2.97
		256-QAM	3490.02	2.10	1 / 215	22.07	24.17	0.261	30.00	-5.83
		90 MHz	m/2 BPSK	3495.00	2.10	1 / 120	26.80	28.90	0.776	30.00
3500.01	2.10			1 / 243	26.96	29.06	0.805	30.00	-0.94	
3504.99	2.10			1 / 243	26.95	29.05	0.804	30.00	-0.95	
3495.00	2.10			1 / 120	26.96	29.06	0.805	30.00	-0.94	
3500.01	2.10			1 / 120	26.93	29.03	0.800	30.00	-0.97	
QPSK	3504.99		2.10	1 / 243	27.00	29.10	0.813	30.00	-0.90	
	16-QAM		3500.01	2.10	1 / 1	25.98	28.08	0.643	30.00	-1.92
	64-QAM		3500.01	2.10	1 / 1	24.99	27.09	0.512	30.00	-2.91
	256-QAM		3500.01	2.10	1 / 243	22.09	24.19	0.262	30.00	-5.81
	100 MHz		m/2 BPSK	3500.01	2.10	1 / 1	26.89	28.99	0.793	30.00
3500.01		2.10		1 / 1	26.84	28.94	0.783	30.00	-1.06	
16-QAM		3500.01		2.10	1 / 135	25.96	28.06	0.640	30.00	-1.94
64-QAM		3500.01		2.10	1 / 1	24.89	26.99	0.500	30.00	-3.01
256-QAM		3500.01		2.10	1 / 271	21.88	23.98	0.250	30.00	-6.02

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device		Page 241 of 265

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	2.10	1 / 22	25.47	27.57	0.571	30.00	-2.43
		3500.01	2.10	1 / 12	25.69	27.79	0.601	30.00	-2.21
		3544.98	2.10	1 / 12	25.69	27.79	0.601	30.00	-2.21
	QPSK	3455.01	2.10	1 / 22	25.65	27.75	0.596	30.00	-2.25
		3500.01	2.10	1 / 12	25.70	27.80	0.603	30.00	-2.20
		3544.98	2.10	1 / 1	25.49	27.59	0.574	30.00	-2.41
	16-QAM	3544.98	2.10	1 / 12	24.69	26.79	0.478	30.00	-3.21
	64-QAM	3500.01	2.10	1 / 1	23.69	25.79	0.379	30.00	-4.21
	256-QAM	3544.98	2.10	1 / 12	20.79	22.89	0.195	30.00	-7.11
		3457.50	2.10	1 / 36	25.62	27.72	0.592	30.00	-2.28
15 MHz	π/2 BPSK	3500.01	2.10	1 / 36	25.70	27.80	0.603	30.00	-2.20
		3542.49	2.10	1 / 1	25.69	27.79	0.601	30.00	-2.21
		3457.50	2.10	1 / 18	25.57	27.67	0.585	30.00	-2.33
	QPSK	3500.01	2.10	1 / 18	25.69	27.79	0.601	30.00	-2.21
		3542.49	2.10	1 / 36	25.58	27.68	0.586	30.00	-2.32
		3500.01	2.10	1 / 36	24.70	26.80	0.479	30.00	-3.20
	16-QAM	3542.49	2.10	1 / 36	23.69	25.79	0.379	30.00	-4.21
	64-QAM	3542.49	2.10	1 / 1	23.69	25.79	0.379	30.00	-4.21
	256-QAM	3542.49	2.10	1 / 18	20.79	22.89	0.195	30.00	-7.11
		3460.02	2.10	1 / 1	25.62	27.72	0.592	30.00	-2.28
20 MHz	π/2 BPSK	3500.01	2.10	1 / 25	25.66	27.76	0.597	30.00	-2.24
		3540.00	2.10	1 / 1	25.57	27.67	0.585	30.00	-2.33
		3460.02	2.10	1 / 25	25.57	27.67	0.585	30.00	-2.33
	QPSK	3500.01	2.10	1 / 1	25.54	27.64	0.581	30.00	-2.36
		3540.00	2.10	1 / 25	25.70	27.80	0.603	30.00	-2.20
		3460.02	2.10	1 / 1	24.60	26.70	0.468	30.00	-3.30
	16-QAM	3540.00	2.10	1 / 1	23.68	25.78	0.378	30.00	-4.22
	64-QAM	3540.00	2.10	1 / 1	23.68	25.78	0.378	30.00	-4.22
	256-QAM	3500.01	2.10	1 / 25	20.54	22.64	0.184	30.00	-7.36
		3540.00	2.10	1 / 25	20.54	22.64	0.184	30.00	-7.36
30 MHz	π/2 BPSK	3465.00	2.10	1 / 36	25.48	27.58	0.573	30.00	-2.42
		3500.01	2.10	1 / 76	25.67	27.77	0.598	30.00	-2.23
		3534.99	2.10	1 / 76	25.65	27.75	0.596	30.00	-2.25
	QPSK	3465.00	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
		3500.01	2.10	1 / 1	25.68	27.78	0.600	30.00	-2.22
		3534.99	2.10	1 / 76	25.49	27.59	0.574	30.00	-2.41
	16-QAM	3534.99	2.10	1 / 1	24.66	26.76	0.474	30.00	-3.24
	64-QAM	3534.99	2.10	1 / 1	23.71	25.81	0.381	30.00	-4.19
	256-QAM	3534.99	2.10	1 / 36	20.81	22.91	0.195	30.00	-7.09
		3470.01	2.10	1 / 50	25.54	27.64	0.581	30.00	-2.36
40 MHz	π/2 BPSK	3500.01	2.10	1 / 1	25.60	27.70	0.589	30.00	-2.30
		3529.98	2.10	1 / 50	25.70	27.80	0.603	30.00	-2.20
		3470.01	2.10	1 / 104	25.50	27.60	0.575	30.00	-2.40
	QPSK	3500.01	2.10	1 / 104	25.61	27.71	0.590	30.00	-2.29
		3529.98	2.10	1 / 1	25.67	27.77	0.598	30.00	-2.23
		3470.01	2.10	1 / 50	24.69	26.79	0.478	30.00	-3.21
	16-QAM	3529.98	2.10	1 / 1	23.61	25.71	0.372	30.00	-4.29
	64-QAM	3470.01	2.10	1 / 1	23.61	25.71	0.372	30.00	-4.29
	256-QAM	3500.01	2.10	1 / 1	20.77	22.87	0.194	30.00	-7.13
		3475.02	2.10	1 / 64	25.44	27.54	0.568	30.00	-2.46
50 MHz	π/2 BPSK	3500.01	2.10	1 / 131	25.69	27.79	0.601	30.00	-2.21
		3525.00	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
		3475.02	2.10	1 / 1	25.67	27.77	0.598	30.00	-2.23
	QPSK	3500.01	2.10	1 / 64	25.68	27.78	0.600	30.00	-2.22
		3525.00	2.10	1 / 131	25.63	27.73	0.593	30.00	-2.27
		3500.01	2.10	1 / 64	24.63	26.73	0.471	30.00	-3.27
	16-QAM	3500.01	2.10	1 / 131	23.68	25.78	0.378	30.00	-4.22
	64-QAM	3525.00	2.10	1 / 64	20.73	22.83	0.192	30.00	-7.17
	256-QAM	3525.00	2.10	1 / 64	20.73	22.83	0.192	30.00	-7.17
		3480.00	2.10	1 / 160	25.68	27.78	0.600	30.00	-2.22
60 MHz	π/2 BPSK	3500.01	2.10	1 / 160	25.58	27.68	0.586	30.00	-2.32
		3519.99	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
		3480.00	2.10	1 / 160	25.54	27.64	0.581	30.00	-2.36
	QPSK	3500.01	2.10	1 / 160	25.36	27.46	0.557	30.00	-2.54
		3519.99	2.10	1 / 160	25.56	27.66	0.583	30.00	-2.34
		3480.00	2.10	1 / 81	24.62	26.72	0.470	30.00	-3.28
	16-QAM	3519.99	2.10	1 / 160	23.69	25.79	0.379	30.00	-4.21
	64-QAM	3500.01	2.10	1 / 160	23.69	25.79	0.379	30.00	-4.21
	256-QAM	3480.00	2.10	1 / 81	20.72	22.82	0.191	30.00	-7.18
		3485.01	2.10	1 / 1	25.56	27.66	0.583	30.00	-2.34
70 MHz	π/2 BPSK	3500.01	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
		3514.98	2.10	1 / 1	25.67	27.77	0.598	30.00	-2.23
		3485.01	2.10	1 / 1	25.69	27.79	0.601	30.00	-2.21
	QPSK	3500.01	2.10	1 / 1	25.64	27.74	0.594	30.00	-2.26
		3514.98	2.10	1 / 187	25.54	27.64	0.581	30.00	-2.36
		3485.01	2.10	1 / 1	24.69	26.79	0.478	30.00	-3.21
	16-QAM	3514.98	2.10	1 / 1	23.63	25.73	0.374	30.00	-4.27
	64-QAM	3485.01	2.10	1 / 187	23.63	25.73	0.374	30.00	-4.27
	256-QAM	3514.98	2.10	1 / 187	20.76	22.86	0.193	30.00	-7.14
		3490.02	2.10	1 / 108	25.68	27.78	0.600	30.00	-2.22
80 MHz	π/2 BPSK	3500.01	2.10	1 / 215	25.70	27.80	0.603	30.00	-2.20
		3510.00	2.10	1 / 215	25.59	27.69	0.587	30.00	-2.31
		3490.02	2.10	1 / 215	25.70	27.80	0.603	30.00	-2.20
	QPSK	3500.01	2.10	1 / 215	25.44	27.54	0.568	30.00	-2.46
		3510.00	2.10	1 / 215	25.68	27.78	0.600	30.00	-2.22
		3490.02	2.10	1 / 215	24.69	26.79	0.478	30.00	-3.21
	16-QAM	3510.00	2.10	1 / 215	23.64	25.74	0.375	30.00	-4.26
	64-QAM	3500.01	2.10	1 / 108	23.64	25.74	0.375	30.00	-4.26
	256-QAM	3510.00	2.10	1 / 108	20.79	22.89	0.195	30.00	-7.11
		3495.00	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
90 MHz	π/2 BPSK	3500.01	2.10	1 / 243	25.55	27.65	0.582	30.00	-2.35
		3504.99	2.10	1 / 120	25.53	27.63	0.579	30.00	-2.37
		3495.00	2.10	1 / 1	25.69	27.79	0.601	30.00	-2.21
	QPSK	3500.01	2.10	1 / 1	25.52	27.62	0.578	30.00	-2.38
		3504.99	2.10	1 / 1	25.54	27.64	0.581	30.00	-2.36
		3495.00	2.10	1 / 120	24.70	26.80	0.479	30.00	-3.20
	16-QAM	3500.01	2.10	1 / 120	23.66	25.76	0.377	30.00	-4.24
	64-QAM	3500.01	2.10	1 / 120	23.66	25.76	0.377	30.00	-4.24
	256-QAM	3504.99	2.10	1 / 243	20.77	22.87	0.194	30.00	-7.13
		3500.01	2.10	1 / 135	25.62	27.72	0.592	30.00	-2.28
100 MHz	QPSK	3500.01	2.10	1 / 135	25.58	27.68	0.586	30.00	-2.32
	16-QAM	3500.01	2.10	1 / 271	24.69	26.79	0.478	30.00	-3.21
	64-QAM	3500.01	2.10	1 / 135	23.66	25.76	0.377	30.00	-4.24
	256-QAM	3500.01	2.10	1 / 271	20.73	22.83	0.192	30.00	-7.17

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 242 of 265	

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	11/2 BPSK	3705.00	0.90	1 / 22	26.99	27.89	0.615	30.00	-2.11
		3840.00	0.90	1 / 12	26.94	27.84	0.608	30.00	-2.16
		3975.00	0.90	1 / 1	26.99	27.89	0.615	30.00	-2.11
	QPSK	3705.00	0.90	1 / 1	26.94	27.84	0.608	30.00	-2.16
		3840.00	0.90	1 / 12	27.00	27.90	0.617	30.00	-2.10
		3975.00	0.90	1 / 1	26.96	27.86	0.611	30.00	-2.14
	16-QAM	3840.00	0.90	1 / 12	26.08	26.98	0.499	30.00	-3.02
	64-QAM	3975.00	0.90	1 / 12	25.00	25.90	0.389	30.00	-4.10
	256-QAM	3705.00	0.90	1 / 12	22.19	23.09	0.204	30.00	-6.91
	256-QAM	3840.00	0.90	1 / 12	22.12	23.02	0.200	30.00	-6.98
15 MHz	11/2 BPSK	3707.51	0.90	1 / 18	27.00	27.90	0.617	30.00	-2.10
		3840.00	0.90	1 / 18	26.74	27.64	0.581	30.00	-2.36
		3972.50	0.90	1 / 18	26.81	27.71	0.590	30.00	-2.29
	QPSK	3707.51	0.90	1 / 18	26.97	27.87	0.612	30.00	-2.13
		3840.00	0.90	1 / 18	26.96	27.86	0.611	30.00	-2.14
		3972.50	0.90	1 / 1	26.80	27.70	0.589	30.00	-2.30
	16-QAM	3840.00	0.90	1 / 36	25.96	26.86	0.485	30.00	-3.14
	64-QAM	3972.50	0.90	1 / 1	25.01	25.91	0.390	30.00	-4.09
	256-QAM	3840.00	0.90	1 / 1	22.12	23.02	0.200	30.00	-6.98
	256-QAM	3972.50	0.90	1 / 1	22.12	23.02	0.200	30.00	-6.98
20 MHz	11/2 BPSK	3710.01	0.90	1 / 1	26.85	27.75	0.596	30.00	-2.25
		3840.00	0.90	1 / 25	27.00	27.90	0.617	30.00	-2.10
		3969.99	0.90	1 / 1	26.60	27.50	0.562	30.00	-2.50
	QPSK	3710.01	0.90	1 / 49	26.85	27.75	0.596	30.00	-2.25
		3840.00	0.90	1 / 1	26.83	27.73	0.593	30.00	-2.27
		3969.99	0.90	1 / 1	26.83	27.73	0.593	30.00	-2.27
	16-QAM	3840.00	0.90	1 / 49	25.98	26.88	0.488	30.00	-3.12
	64-QAM	3840.00	0.90	1 / 49	24.98	25.88	0.387	30.00	-4.12
	256-QAM	3840.00	0.90	1 / 25	22.11	23.01	0.200	30.00	-6.99
	256-QAM	3969.99	0.90	1 / 25	22.11	23.01	0.200	30.00	-6.99
30 MHz	11/2 BPSK	3715.02	0.90	1 / 36	26.79	27.69	0.587	30.00	-2.31
		3840.00	0.90	1 / 76	26.78	27.68	0.586	30.00	-2.32
		3964.98	0.90	1 / 1	26.88	27.78	0.600	30.00	-2.22
	QPSK	3715.02	0.90	1 / 36	26.83	27.73	0.593	30.00	-2.27
		3840.00	0.90	1 / 1	26.95	27.85	0.610	30.00	-2.15
		3964.98	0.90	1 / 1	27.00	27.90	0.617	30.00	-2.10
	16-QAM	3715.02	0.90	1 / 1	25.98	26.88	0.488	30.00	-3.12
	64-QAM	3964.98	0.90	1 / 36	24.92	25.82	0.382	30.00	-4.18
	256-QAM	3964.98	0.90	1 / 76	22.12	23.02	0.200	30.00	-6.98
	256-QAM	3840.00	0.90	1 / 76	22.12	23.02	0.200	30.00	-6.98
40 MHz	11/2 BPSK	3720.00	0.90	1 / 50	27.00	27.90	0.617	30.00	-2.10
		3840.00	0.90	1 / 50	26.87	27.77	0.598	30.00	-2.23
		3960.00	0.90	1 / 104	27.00	27.90	0.617	30.00	-2.10
	QPSK	3720.00	0.90	1 / 104	26.89	27.79	0.601	30.00	-2.21
		3840.00	0.90	1 / 1	26.89	27.79	0.601	30.00	-2.21
		3960.00	0.90	1 / 1	26.94	27.84	0.608	30.00	-2.16
	16-QAM	3960.00	0.90	1 / 1	26.03	26.93	0.493	30.00	-3.07
	64-QAM	3960.00	0.90	1 / 1	25.02	25.92	0.391	30.00	-4.08
	256-QAM	3720.00	0.90	1 / 1	22.10	23.00	0.200	30.00	-7.00
	256-QAM	3960.00	0.90	1 / 1	22.10	23.00	0.200	30.00	-7.00
50 MHz	11/2 BPSK	3725.01	0.90	1 / 64	26.68	27.58	0.573	30.00	-2.42
		3840.00	0.90	1 / 1	27.00	27.90	0.617	30.00	-2.10
		3954.99	0.90	1 / 64	26.95	27.85	0.610	30.00	-2.15
	QPSK	3725.01	0.90	1 / 64	26.93	27.83	0.607	30.00	-2.17
		3840.00	0.90	1 / 1	26.97	27.87	0.612	30.00	-2.13
		3954.99	0.90	1 / 1	26.76	27.66	0.583	30.00	-2.34
	16-QAM	3725.01	0.90	1 / 1	25.95	26.85	0.484	30.00	-3.15
	64-QAM	3954.99	0.90	1 / 131	25.00	25.90	0.389	30.00	-4.10
	256-QAM	3840.00	0.90	1 / 131	22.10	23.00	0.200	30.00	-7.00
	256-QAM	3954.99	0.90	1 / 131	22.10	23.00	0.200	30.00	-7.00
60 MHz	11/2 BPSK	3730.02	0.90	1 / 160	26.91	27.81	0.604	30.00	-2.19
		3840.00	0.90	1 / 1	26.89	27.79	0.601	30.00	-2.21
		3949.98	0.90	1 / 81	26.96	27.86	0.611	30.00	-2.14
	QPSK	3730.02	0.90	1 / 1	27.00	27.90	0.617	30.00	-2.10
		3840.00	0.90	1 / 160	26.75	27.65	0.582	30.00	-2.35
		3949.98	0.90	1 / 81	26.64	27.54	0.568	30.00	-2.46
	16-QAM	3840.00	0.90	1 / 1	25.92	26.82	0.481	30.00	-3.18
	64-QAM	3949.98	0.90	1 / 81	24.93	25.83	0.383	30.00	-4.17
	256-QAM	3840.00	0.90	1 / 1	22.08	22.98	0.199	30.00	-7.02
	256-QAM	3949.98	0.90	1 / 1	22.08	22.98	0.199	30.00	-7.02
70 MHz	11/2 BPSK	3735.00	0.90	1 / 90	26.97	27.87	0.612	30.00	-2.13
		3840.00	0.90	1 / 90	27.00	27.90	0.617	30.00	-2.10
		3945.00	0.90	1 / 90	26.67	27.57	0.571	30.00	-2.43
	QPSK	3735.00	0.90	1 / 1	26.78	27.68	0.586	30.00	-2.32
		3840.00	0.90	1 / 187	26.91	27.81	0.604	30.00	-2.19
		3945.00	0.90	1 / 1	26.99	27.89	0.615	30.00	-2.11
	16-QAM	3945.00	0.90	1 / 1	26.06	26.96	0.497	30.00	-3.04
	64-QAM	3840.00	0.90	1 / 187	24.95	25.85	0.385	30.00	-4.15
	256-QAM	3735.00	0.90	1 / 90	22.10	23.00	0.200	30.00	-7.00
	256-QAM	3945.00	0.90	1 / 90	22.10	23.00	0.200	30.00	-7.00
80 MHz	11/2 BPSK	3740.01	0.90	1 / 215	26.87	27.77	0.598	30.00	-2.23
		3840.00	0.90	1 / 108	26.90	27.80	0.603	30.00	-2.20
		3939.99	0.90	1 / 215	26.89	27.79	0.601	30.00	-2.21
	QPSK	3740.01	0.90	1 / 108	27.00	27.90	0.617	30.00	-2.10
		3840.00	0.90	1 / 1	26.95	27.85	0.610	30.00	-2.15
		3939.99	0.90	1 / 215	26.78	27.68	0.586	30.00	-2.32
	16-QAM	3939.99	0.90	1 / 1	25.96	26.86	0.485	30.00	-3.14
	64-QAM	3840.00	0.90	1 / 108	24.98	25.88	0.387	30.00	-4.12
	256-QAM	3740.01	0.90	1 / 215	22.09	22.99	0.199	30.00	-7.01
	256-QAM	3939.99	0.90	1 / 215	22.09	22.99	0.199	30.00	-7.01
	256-QAM	3840.00	0.90	1 / 1	22.09	22.99	0.199	30.00	-7.01
90 MHz	11/2 BPSK	3745.02	0.90	1 / 243	26.90	27.80	0.603	30.00	-2.20
		3840.00	0.90	1 / 1	27.00	27.90	0.617	30.00	-2.10
		3934.98	0.90	1 / 1	26.85	27.75	0.596	30.00	-2.25
	QPSK	3745.02	0.90	1 / 243	26.90	27.80	0.603	30.00	-2.20
		3840.00	0.90	1 / 1	26.89	27.79	0.601	30.00	-2.21
		3934.98	0.90	1 / 243	26.97	27.87	0.612	30.00	-2.13
	16-QAM	3745.02	0.90	1 / 243	26.02	26.92	0.492	30.00	-3.08
	64-QAM	3745.02	0.90	1 / 243	25.05	25.95	0.394	30.00	-4.05
	256-QAM	3934.98	0.90	1 / 1	22.01	22.91	0.195	30.00	-7.09
	256-QAM	3840.00	0.90	1 / 1	22.01	22.91	0.195	30.00	-7.09
100 MHz	11/2 BPSK	3750.00	0.90	1 / 1	26.80	27.70	0.589	30.00	-2.30
		3840.00	0.90	1 / 135	26.81	27.71	0.590	30.00	-2.29
		3930.00	0.90	1 / 1	26.91	27.81	0.604	30.00	-2.19
	QPSK	3750.00	0.90	1 / 271	27.00	27.90	0.617	30.00	-2.10
		3840.00	0.90	1 / 135	26.78	27.68	0.586	30.00	-2.32
		3930.00	0.90	1 / 1	27.00	27.90	0.617	30.00	-2.10
	16-QAM	3930.00	0.90	1 / 1	25.99	26.89	0.489	30.00	-3.11
	64-QAM	3840.00	0.90	1 / 271	25.00	25.90	0.389	30.00	-4.10
	256-QAM	3930.00	0.90	1 / 271	22.09	22.99	0.199	30.00	-7.01
	256-QAM	3750.00	0.90	1 / 271	22.09	22.99	0.199	30.00	-7.01
	256-QAM	3840.00	0.90	1 / 271	22.09	22.99	0.199	30.00	-7.01

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 243 of 265

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
10 MHz	11/2 BPSK	3705.00	0.90	1 / 22	25.63	26.53	0.450	30.00	-3.47	
		3840.00	0.90	1 / 22	25.70	26.60	0.457	30.00	-3.40	
		3975.00	0.90	1 / 12	25.64	26.54	0.451	30.00	-3.46	
	QPSK	3705.00	0.90	1 / 12	25.67	26.57	0.454	30.00	-3.43	
		3840.00	0.90	1 / 1	25.67	26.57	0.454	30.00	-3.43	
		3975.00	0.90	1 / 12	25.70	26.60	0.457	30.00	-3.40	
	16-QAM	3705.00	0.90	1 / 12	24.70	25.60	0.363	30.00	-4.40	
		64-QAM	3705.00	0.90	1 / 22	23.65	24.55	0.285	30.00	-5.45
		256-QAM	3975.00	0.90	1 / 12	20.82	21.72	0.149	30.00	-8.28
	15 MHz	11/2 BPSK	3707.51	0.90	1 / 18	25.41	26.31	0.428	30.00	-3.69
3840.00			0.90	1 / 1	25.70	26.60	0.457	30.00	-3.40	
3972.50			0.90	1 / 1	25.66	26.56	0.453	30.00	-3.44	
QPSK		3707.51	0.90	1 / 36	25.63	26.53	0.450	30.00	-3.47	
		3840.00	0.90	1 / 18	25.70	26.60	0.457	30.00	-3.40	
		3972.50	0.90	1 / 18	25.58	26.48	0.445	30.00	-3.52	
16-QAM		3707.51	0.90	1 / 18	24.67	25.57	0.361	30.00	-4.43	
		64-QAM	3840.00	0.90	1 / 18	23.70	24.60	0.288	30.00	-5.40
		256-QAM	3840.00	0.90	1 / 36	20.64	21.54	0.143	30.00	-8.46
20 MHz		11/2 BPSK	3710.01	0.90	1 / 1	25.51	26.41	0.438	30.00	-3.59
	3840.00		0.90	1 / 1	25.41	26.31	0.428	30.00	-3.69	
	3969.99		0.90	1 / 25	25.64	26.54	0.451	30.00	-3.46	
	QPSK	3710.01	0.90	1 / 49	25.69	26.59	0.456	30.00	-3.41	
		3840.00	0.90	1 / 1	25.70	26.60	0.457	30.00	-3.40	
		3969.99	0.90	1 / 49	25.64	26.54	0.451	30.00	-3.46	
	16-QAM	3710.01	0.90	1 / 25	24.64	25.54	0.358	30.00	-4.46	
		64-QAM	3710.01	0.90	1 / 25	23.69	24.59	0.288	30.00	-5.41
		256-QAM	3840.00	0.90	1 / 25	20.79	21.69	0.148	30.00	-8.31
	30 MHz	11/2 BPSK	3715.02	0.90	1 / 76	25.70	26.60	0.457	30.00	-3.40
3840.00			0.90	1 / 76	25.48	26.38	0.435	30.00	-3.62	
3964.98			0.90	1 / 76	25.49	26.39	0.436	30.00	-3.61	
QPSK		3715.02	0.90	1 / 76	25.47	26.37	0.434	30.00	-3.63	
		3840.00	0.90	1 / 76	25.62	26.52	0.449	30.00	-3.48	
		3964.98	0.90	1 / 76	25.58	26.48	0.445	30.00	-3.52	
16-QAM		3840.00	0.90	1 / 36	24.66	25.56	0.360	30.00	-4.44	
		64-QAM	3964.98	0.90	1 / 76	23.68	24.58	0.287	30.00	-5.42
		256-QAM	3715.02	0.90	1 / 36	20.70	21.60	0.145	30.00	-8.40
40 MHz		11/2 BPSK	3720.00	0.90	1 / 50	25.66	26.56	0.453	30.00	-3.44
	3840.00		0.90	1 / 50	25.63	26.53	0.450	30.00	-3.47	
	3960.00		0.90	1 / 50	25.53	26.43	0.440	30.00	-3.57	
	QPSK	3720.00	0.90	1 / 1	25.70	26.60	0.457	30.00	-3.40	
		3840.00	0.90	1 / 1	25.68	26.58	0.455	30.00	-3.42	
		3960.00	0.90	1 / 1	25.62	26.52	0.449	30.00	-3.48	
	16-QAM	3840.00	0.90	1 / 1	24.65	25.55	0.359	30.00	-4.45	
		64-QAM	3960.00	0.90	1 / 1	23.71	24.61	0.289	30.00	-5.39
		256-QAM	3720.00	0.90	1 / 1	20.80	21.70	0.148	30.00	-8.30
	50 MHz	11/2 BPSK	3725.01	0.90	1 / 1	25.70	26.60	0.457	30.00	-3.40
3840.00			0.90	1 / 131	25.54	26.44	0.441	30.00	-3.56	
3954.99			0.90	1 / 1	25.61	26.51	0.448	30.00	-3.49	
QPSK		3725.01	0.90	1 / 1	25.44	26.34	0.431	30.00	-3.66	
		3840.00	0.90	1 / 64	25.41	26.31	0.428	30.00	-3.69	
		3954.99	0.90	1 / 64	25.51	26.41	0.438	30.00	-3.59	
16-QAM		3954.99	0.90	1 / 131	24.70	25.60	0.363	30.00	-4.40	
		64-QAM	3725.01	0.90	1 / 131	23.79	24.69	0.294	30.00	-5.31
		256-QAM	3954.99	0.90	1 / 1	20.82	21.72	0.149	30.00	-8.28
60 MHz		11/2 BPSK	3730.02	0.90	1 / 1	25.62	26.52	0.449	30.00	-3.48
	3840.00		0.90	1 / 160	25.49	26.39	0.436	30.00	-3.61	
	3949.98		0.90	1 / 160	25.70	26.60	0.457	30.00	-3.40	
	QPSK	3730.02	0.90	1 / 1	25.47	26.37	0.434	30.00	-3.63	
		3840.00	0.90	1 / 1	25.34	26.24	0.421	30.00	-3.76	
		3949.98	0.90	1 / 81	25.69	26.59	0.456	30.00	-3.41	
	16-QAM	3840.00	0.90	1 / 81	24.55	25.45	0.351	30.00	-4.55	
		64-QAM	3840.00	0.90	1 / 81	23.72	24.62	0.290	30.00	-5.38
		256-QAM	3949.98	0.90	1 / 81	20.74	21.64	0.146	30.00	-8.36
	70 MHz	11/2 BPSK	3735.00	0.90	1 / 187	25.61	26.51	0.448	30.00	-3.49
3840.00			0.90	1 / 90	25.67	26.57	0.454	30.00	-3.43	
3945.00			0.90	1 / 90	25.70	26.60	0.457	30.00	-3.40	
QPSK		3735.00	0.90	1 / 187	25.66	26.56	0.453	30.00	-3.44	
		3840.00	0.90	1 / 1	25.35	26.25	0.422	30.00	-3.75	
		3945.00	0.90	1 / 1	25.50	26.40	0.437	30.00	-3.60	
16-QAM		3945.00	0.90	1 / 90	24.63	25.53	0.357	30.00	-4.47	
		64-QAM	3945.00	0.90	1 / 1	23.68	24.58	0.287	30.00	-5.42
		256-QAM	3945.00	0.90	1 / 90	20.77	21.67	0.147	30.00	-8.33
80 MHz		11/2 BPSK	3740.01	0.90	1 / 1	25.70	26.60	0.457	30.00	-3.40
	3840.00		0.90	1 / 215	25.69	26.59	0.456	30.00	-3.41	
	3939.99		0.90	1 / 1	25.44	26.34	0.431	30.00	-3.66	
	QPSK	3740.01	0.90	1 / 108	25.66	26.56	0.453	30.00	-3.44	
		3840.00	0.90	1 / 108	25.66	26.56	0.453	30.00	-3.44	
		3939.99	0.90	1 / 215	25.59	26.49	0.446	30.00	-3.51	
	16-QAM	3840.00	0.90	1 / 1	24.71	25.61	0.364	30.00	-4.39	
		64-QAM	3939.99	0.90	1 / 215	23.71	24.61	0.289	30.00	-5.39
		256-QAM	3840.00	0.90	1 / 215	20.81	21.71	0.148	30.00	-8.29
	90 MHz	11/2 BPSK	3745.02	0.90	1 / 120	25.63	26.53	0.450	30.00	-3.47
3840.00			0.90	1 / 120	25.53	26.43	0.440	30.00	-3.57	
3934.98			0.90	1 / 120	25.69	26.59	0.456	30.00	-3.41	
QPSK		3745.02	0.90	1 / 243	25.61	26.51	0.448	30.00	-3.49	
		3840.00	0.90	1 / 1	25.70	26.60	0.457	30.00	-3.40	
		3934.98	0.90	1 / 120	25.41	26.31	0.428	30.00	-3.69	
16-QAM		3840.00	0.90	1 / 1	24.72	25.62	0.365	30.00	-4.38	
		64-QAM	3934.98	0.90	1 / 1	23.66	24.56	0.286	30.00	-5.44
		256-QAM	3840.00	0.90	1 / 243	20.85	21.75	0.150	30.00	-8.25
100 MHz		11/2 BPSK	3750.00	0.90	1 / 1	25.70	26.60	0.457	30.00	-3.40
	3840.00		0.90	1 / 271	25.56	26.46	0.443	30.00	-3.54	
	3930.00		0.90	1 / 135	25.66	26.56	0.453	30.00	-3.44	
	QPSK	3750.00	0.90	1 / 1	25.67	26.57	0.454	30.00	-3.43	
		3840.00	0.90	1 / 271	25.53	26.43	0.440	30.00	-3.57	
		3930.00	0.90	1 / 271	25.65	26.55	0.452	30.00	-3.45	
	16-QAM	3930.00	0.90	1 / 1	24.63	25.53	0.357	30.00	-4.47	
		64-QAM	3930.00	0.90	1 / 1	23.74	24.64	0.291	30.00	-5.36
		256-QAM	3750.00	0.90	1 / 135	20.78	21.68	0.147	30.00	-8.32

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	m/2 BPSK	3455.01	-0.50	1 / 22	23.50	23.00	0.200	30.00	-7.00
		3500.01	-0.50	1 / 1	23.46	22.96	0.198	30.00	-7.04
		3544.98	-0.50	1 / 22	23.39	22.89	0.195	30.00	-7.11
	QPSK	3455.01	-0.50	1 / 1	23.31	22.81	0.191	30.00	-7.19
		3500.01	-0.50	1 / 1	23.31	22.81	0.191	30.00	-7.19
		3544.98	-0.50	1 / 12	23.24	22.74	0.188	30.00	-7.26
	16-QAM	3500.01	-0.50	1 / 22	22.47	21.97	0.157	30.00	-8.03
	64-QAM	3500.01	-0.50	1 / 12	21.51	21.01	0.126	30.00	-8.99
	256-QAM	3544.98	-0.50	1 / 12	18.61	18.11	0.065	30.00	-11.89
	256-QAM	3457.50	-0.50	1 / 18	23.49	22.99	0.199	30.00	-7.01
15 MHz	m/2 BPSK	3500.01	-0.50	1 / 18	23.49	22.99	0.199	30.00	-7.01
		3542.49	-0.50	1 / 36	23.24	22.74	0.188	30.00	-7.26
		3457.50	-0.50	1 / 36	23.37	22.87	0.194	30.00	-7.13
	QPSK	3500.01	-0.50	1 / 18	23.50	23.00	0.200	30.00	-7.00
		3542.49	-0.50	1 / 1	23.41	22.91	0.195	30.00	-7.09
		3500.01	-0.50	1 / 18	22.46	21.96	0.157	30.00	-8.04
	16-QAM	3500.01	-0.50	1 / 18	22.46	21.96	0.157	30.00	-8.04
	64-QAM	3542.49	-0.50	1 / 1	21.50	21.00	0.126	30.00	-9.00
	256-QAM	3542.49	-0.50	1 / 36	18.50	18.00	0.063	30.00	-12.00
	256-QAM	3460.02	-0.50	1 / 25	23.49	22.99	0.199	30.00	-7.01
20 MHz	m/2 BPSK	3500.01	-0.50	1 / 25	23.45	22.95	0.197	30.00	-7.05
		3540.00	-0.50	1 / 25	23.40	22.90	0.195	30.00	-7.10
		3460.02	-0.50	1 / 1	23.50	23.00	0.200	30.00	-7.00
	QPSK	3500.01	-0.50	1 / 25	23.46	22.96	0.198	30.00	-7.04
		3540.00	-0.50	1 / 49	23.39	22.89	0.195	30.00	-7.11
		3460.02	-0.50	1 / 1	22.55	22.05	0.160	30.00	-7.95
	16-QAM	3500.01	-0.50	1 / 25	21.50	21.00	0.126	30.00	-9.00
	64-QAM	3540.00	-0.50	1 / 25	21.50	21.00	0.126	30.00	-9.00
	256-QAM	3460.02	-0.50	1 / 49	18.65	18.15	0.065	30.00	-11.85
	256-QAM	3465.00	-0.50	1 / 76	23.17	22.67	0.185	30.00	-7.33
30 MHz	m/2 BPSK	3500.01	-0.50	1 / 76	23.42	22.92	0.196	30.00	-7.08
		3534.99	-0.50	1 / 1	23.20	22.70	0.186	30.00	-7.30
		3465.00	-0.50	1 / 1	23.33	22.83	0.192	30.00	-7.17
	QPSK	3500.01	-0.50	1 / 1	23.37	22.87	0.194	30.00	-7.13
		3534.99	-0.50	1 / 1	23.50	23.00	0.200	30.00	-7.00
		3465.00	-0.50	1 / 1	22.50	22.00	0.158	30.00	-8.00
	16-QAM	3500.01	-0.50	1 / 1	21.45	20.95	0.124	30.00	-9.05
	64-QAM	3500.01	-0.50	1 / 36	18.48	17.98	0.063	30.00	-12.02
	256-QAM	3470.01	-0.50	1 / 104	23.37	22.87	0.194	30.00	-7.13
	256-QAM	3500.01	-0.50	1 / 1	23.31	22.81	0.191	30.00	-7.19
	256-QAM	3529.98	-0.50	1 / 50	23.25	22.75	0.188	30.00	-7.25
40 MHz	m/2 BPSK	3470.01	-0.50	1 / 1	23.50	23.00	0.200	30.00	-7.00
		3500.01	-0.50	1 / 50	23.29	22.79	0.190	30.00	-7.21
		3529.98	-0.50	1 / 104	23.40	22.90	0.195	30.00	-7.10
	QPSK	3500.01	-0.50	1 / 1	22.51	22.01	0.159	30.00	-7.99
		3529.98	-0.50	1 / 1	21.48	20.98	0.125	30.00	-9.02
		3500.01	-0.50	1 / 1	18.47	17.97	0.063	30.00	-12.03
	16-QAM	3470.01	-0.50	1 / 1	23.47	22.97	0.198	30.00	-7.03
	64-QAM	3500.01	-0.50	1 / 64	23.43	22.93	0.196	30.00	-7.07
	256-QAM	3525.00	-0.50	1 / 1	23.50	23.00	0.200	30.00	-7.00
	256-QAM	3475.02	-0.50	1 / 1	23.41	22.91	0.195	30.00	-7.09
	256-QAM	3500.01	-0.50	1 / 64	23.13	22.63	0.183	30.00	-7.37
50 MHz	m/2 BPSK	3500.01	-0.50	1 / 131	23.39	22.89	0.195	30.00	-7.11
		3525.00	-0.50	1 / 131	22.51	22.01	0.159	30.00	-7.99
		3475.02	-0.50	1 / 1	21.46	20.96	0.125	30.00	-9.04
	QPSK	3500.01	-0.50	1 / 131	23.39	22.89	0.195	30.00	-7.11
		3525.00	-0.50	1 / 131	22.51	22.01	0.159	30.00	-7.99
		3475.02	-0.50	1 / 1	21.46	20.96	0.125	30.00	-9.04
	16-QAM	3500.01	-0.50	1 / 131	21.50	21.00	0.126	30.00	-9.00
	64-QAM	3525.00	-0.50	1 / 131	18.50	18.00	0.063	30.00	-12.00
	256-QAM	3480.00	-0.50	1 / 160	23.25	22.75	0.188	30.00	-7.25
	256-QAM	3500.01	-0.50	1 / 81	23.50	23.00	0.200	30.00	-7.00
	256-QAM	3519.99	-0.50	1 / 81	23.43	22.93	0.196	30.00	-7.07
60 MHz	m/2 BPSK	3480.00	-0.50	1 / 1	23.25	22.75	0.188	30.00	-7.25
		3500.01	-0.50	1 / 81	23.43	22.93	0.196	30.00	-7.07
		3519.99	-0.50	1 / 160	23.41	22.91	0.195	30.00	-7.09
	QPSK	3500.01	-0.50	1 / 160	22.49	21.99	0.158	30.00	-8.01
		3519.99	-0.50	1 / 160	21.50	21.00	0.126	30.00	-9.00
		3519.99	-0.50	1 / 1	18.57	18.07	0.064	30.00	-11.93
	16-QAM	3480.00	-0.50	1 / 90	23.35	22.85	0.193	30.00	-7.15
	64-QAM	3500.01	-0.50	1 / 187	23.49	22.99	0.199	30.00	-7.01
	256-QAM	3514.98	-0.50	1 / 1	23.31	22.81	0.191	30.00	-7.19
	256-QAM	3485.01	-0.50	1 / 1	23.34	22.84	0.192	30.00	-7.16
	256-QAM	3500.01	-0.50	1 / 90	23.50	23.00	0.200	30.00	-7.00
70 MHz	m/2 BPSK	3514.98	-0.50	1 / 187	23.39	22.89	0.195	30.00	-7.11
		3485.01	-0.50	1 / 187	23.39	22.89	0.195	30.00	-7.11
		3514.98	-0.50	1 / 1	22.51	22.01	0.159	30.00	-7.99
	QPSK	3500.01	-0.50	1 / 90	21.44	20.94	0.124	30.00	-9.06
		3514.98	-0.50	1 / 90	18.61	18.11	0.065	30.00	-11.89
		3485.01	-0.50	1 / 187	23.42	22.92	0.196	30.00	-7.08
	16-QAM	3490.02	-0.50	1 / 108	23.50	23.00	0.200	30.00	-7.00
	64-QAM	3510.00	-0.50	1 / 1	23.23	22.73	0.187	30.00	-7.27
	256-QAM	3490.02	-0.50	1 / 108	23.27	22.77	0.189	30.00	-7.23
	256-QAM	3500.01	-0.50	1 / 215	23.36	22.86	0.193	30.00	-7.14
	256-QAM	3510.00	-0.50	1 / 215	23.47	22.97	0.198	30.00	-7.03
80 MHz	m/2 BPSK	3500.01	-0.50	1 / 215	22.50	22.00	0.158	30.00	-8.00
		3510.00	-0.50	1 / 108	21.51	21.01	0.126	30.00	-8.99
		3500.01	-0.50	1 / 1	18.61	18.11	0.065	30.00	-11.89
	QPSK	3495.00	-0.50	1 / 120	23.45	22.95	0.197	30.00	-7.05
		3500.01	-0.50	1 / 120	23.48	22.98	0.199	30.00	-7.02
		3504.99	-0.50	1 / 243	23.13	22.63	0.183	30.00	-7.37
	16-QAM	3495.00	-0.50	1 / 120	23.35	22.85	0.193	30.00	-7.15
		3500.01	-0.50	1 / 243	23.48	22.98	0.199	30.00	-7.02
		3504.99	-0.50	1 / 243	23.50	23.00	0.200	30.00	-7.00
	256-QAM	3504.99	-0.50	1 / 120	22.38	21.88	0.154	30.00	-8.12
90 MHz	m/2 BPSK	3504.99	-0.50	1 / 120	21.50	21.00	0.126	30.00	-9.00
		3504.99	-0.50	1 / 120	18.52	18.02	0.063	30.00	-11.98
		3500.01	-0.50	1 / 1	23.48	22.98	0.199	30.00	-7.02
	QPSK	3500.01	-0.50	1 / 1	23.45	22.95	0.197	30.00	-7.05
		3500.01	-0.50	1 / 135	22.31	21.81	0.152	30.00	-8.19
		3500.01	-0.50	1 / 135	21.27	20.77	0.119	30.00	-9.23
	16-QAM	3500.01	-0.50	1 / 135	18.50	18.00	0.063	30.00	-12.00
	64-QAM	3500.01	-0.50	1 / 135	18.50	18.00	0.063	30.00	-12.00
	256-QAM	3500.01	-0.50	1 / 135	18.50	18.00	0.063	30.00	-12.00
	256-QAM	3500.01	-0.50	1 / 135	18.50	18.00	0.063	30.00	-12.00
	256-QAM	3500.01	-0.50	1 / 135	18.50	18.00	0.063	30.00	-12.00
100 MHz	m/2 BPSK	3495.00	-0.50	1 / 120	23.45	22.95	0.197	30.00	-7.05
		3500.01	-0.50	1 / 120	23.48	22.98	0.199	30.00	-7.02
		3504.99	-0.50	1 / 243	23.13	22.63	0.183	30.00	-7.37
	QPSK	3495.00	-0.50	1 / 120	23.35	22.85	0.193	30.00	-7.15
		3500.01	-0.50	1 / 243	23.48	22.98	0.199	30.00	-7.02
		3504.99	-0.50	1 / 243	23.50	23.00	0.200	30.00	-7.00
	16-QAM	3504.99	-0.50	1 / 120	22.38	21.88	0.154	30.00	-8.12
	64-QAM	3504.99	-0.50	1 / 120	21.50	21.00	0.126	30.00	-9.00

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-0.50	1 / 1	23.06	22.56	0.180	30.00	-7.44
		3500.01	-0.50	1 / 1	23.20	22.70	0.186	30.00	-7.30
		3544.98	-0.50	1 / 22	23.29	22.79	0.190	30.00	-7.21
	QPSK	3455.01	-0.50	1 / 22	23.21	22.71	0.187	30.00	-7.29
		3500.01	-0.50	1 / 1	23.02	22.52	0.179	30.00	-7.48
		3544.98	-0.50	1 / 1	23.30	22.80	0.191	30.00	-7.20
	16-QAM	3455.01	-0.50	1 / 22	22.35	21.85	0.153	30.00	-8.15
	64-QAM	3455.01	-0.50	1 / 12	21.23	20.73	0.118	30.00	-9.27
	256-QAM	3500.01	-0.50	1 / 1	18.44	17.94	0.062	30.00	-12.06
	256-QAM	3457.50	-0.50	1 / 18	23.07	22.57	0.181	30.00	-7.43
15 MHz	π/2 BPSK	3500.01	-0.50	1 / 1	23.15	22.65	0.184	30.00	-7.35
		3542.49	-0.50	1 / 36	23.30	22.80	0.191	30.00	-7.20
		3457.50	-0.50	1 / 18	23.20	22.70	0.186	30.00	-7.30
	QPSK	3500.01	-0.50	1 / 1	23.00	22.50	0.178	30.00	-7.50
		3542.49	-0.50	1 / 36	23.14	22.64	0.184	30.00	-7.36
		3457.50	-0.50	1 / 36	22.34	21.84	0.153	30.00	-8.16
	16-QAM	3457.50	-0.50	1 / 36	22.34	21.84	0.153	30.00	-8.16
	64-QAM	3542.49	-0.50	1 / 1	21.21	20.71	0.118	30.00	-9.29
	256-QAM	3457.50	-0.50	1 / 36	18.44	17.94	0.062	30.00	-12.06
	256-QAM	3460.02	-0.50	1 / 25	23.20	22.70	0.186	30.00	-7.30
20 MHz	π/2 BPSK	3460.02	-0.50	1 / 25	23.20	22.70	0.186	30.00	-7.30
		3500.01	-0.50	1 / 25	23.19	22.69	0.186	30.00	-7.31
		3540.00	-0.50	1 / 25	23.29	22.79	0.190	30.00	-7.21
	QPSK	3500.01	-0.50	1 / 49	22.32	21.82	0.152	30.00	-8.18
		3500.01	-0.50	1 / 1	21.27	20.77	0.119	30.00	-9.23
		3500.01	-0.50	1 / 1	18.39	17.89	0.062	30.00	-12.11
	16-QAM	3500.01	-0.50	1 / 36	23.27	22.77	0.189	30.00	-7.23
	64-QAM	3500.01	-0.50	1 / 76	23.20	22.70	0.186	30.00	-7.30
	256-QAM	3534.99	-0.50	1 / 36	23.14	22.64	0.184	30.00	-7.36
	256-QAM	3465.00	-0.50	1 / 76	23.30	22.80	0.191	30.00	-7.20
30 MHz	π/2 BPSK	3465.00	-0.50	1 / 36	23.24	22.74	0.188	30.00	-7.26
		3534.99	-0.50	1 / 36	23.25	22.75	0.188	30.00	-7.25
		3465.00	-0.50	1 / 36	22.19	21.69	0.148	30.00	-8.31
	QPSK	3500.01	-0.50	1 / 36	21.26	20.76	0.119	30.00	-9.24
		3534.99	-0.50	1 / 76	18.37	17.87	0.061	30.00	-12.13
		3470.01	-0.50	1 / 50	23.29	22.79	0.190	30.00	-7.21
	16-QAM	3500.01	-0.50	1 / 104	23.28	22.78	0.190	30.00	-7.22
	64-QAM	3529.98	-0.50	1 / 1	23.23	22.73	0.187	30.00	-7.27
	256-QAM	3470.01	-0.50	1 / 1	23.27	22.77	0.189	30.00	-7.23
	256-QAM	3500.01	-0.50	1 / 1	23.30	22.80	0.191	30.00	-7.20
	256-QAM	3529.98	-0.50	1 / 104	23.21	22.71	0.187	30.00	-7.29
40 MHz	π/2 BPSK	3529.98	-0.50	1 / 104	22.27	21.77	0.150	30.00	-8.23
		3470.01	-0.50	1 / 50	21.32	20.82	0.121	30.00	-9.18
		3470.01	-0.50	1 / 50	18.42	17.92	0.062	30.00	-12.08
	QPSK	3475.02	-0.50	1 / 1	22.96	22.46	0.176	30.00	-7.54
		3500.01	-0.50	1 / 1	23.13	22.63	0.183	30.00	-7.37
		3525.00	-0.50	1 / 131	23.15	22.65	0.184	30.00	-7.35
	16-QAM	3475.02	-0.50	1 / 64	23.14	22.64	0.184	30.00	-7.36
		3500.01	-0.50	1 / 131	23.30	22.80	0.191	30.00	-7.20
		3525.00	-0.50	1 / 131	23.22	22.72	0.187	30.00	-7.28
	256-QAM	3525.00	-0.50	1 / 131	22.27	21.77	0.150	30.00	-8.23
50 MHz	π/2 BPSK	3475.02	-0.50	1 / 64	21.22	20.72	0.118	30.00	-9.28
		3475.02	-0.50	1 / 1	18.38	17.88	0.061	30.00	-12.12
		3480.00	-0.50	1 / 1	23.27	22.77	0.189	30.00	-7.23
	QPSK	3500.01	-0.50	1 / 1	23.30	22.80	0.191	30.00	-7.20
		3519.99	-0.50	1 / 81	22.91	22.41	0.174	30.00	-7.59
		3480.00	-0.50	1 / 81	23.20	22.70	0.186	30.00	-7.30
	16-QAM	3500.01	-0.50	1 / 160	23.23	22.73	0.187	30.00	-7.27
		3519.99	-0.50	1 / 81	23.16	22.66	0.185	30.00	-7.34
		3500.01	-0.50	1 / 81	22.18	21.68	0.147	30.00	-8.32
	256-QAM	3519.99	-0.50	1 / 1	21.24	20.74	0.119	30.00	-9.26
60 MHz	π/2 BPSK	3500.01	-0.50	1 / 1	18.29	17.79	0.060	30.00	-12.21
		3485.01	-0.50	1 / 187	23.20	22.70	0.186	30.00	-7.30
		3500.01	-0.50	1 / 1	23.15	22.65	0.184	30.00	-7.35
	QPSK	3514.98	-0.50	1 / 90	23.17	22.67	0.185	30.00	-7.33
		3485.01	-0.50	1 / 1	23.30	22.80	0.191	30.00	-7.20
		3500.01	-0.50	1 / 90	23.26	22.76	0.189	30.00	-7.24
	16-QAM	3514.98	-0.50	1 / 187	23.28	22.78	0.190	30.00	-7.22
		3500.01	-0.50	1 / 1	22.11	21.61	0.145	30.00	-8.39
		3514.98	-0.50	1 / 1	21.30	20.80	0.120	30.00	-9.20
	256-QAM	3500.01	-0.50	1 / 187	18.33	17.83	0.061	30.00	-12.17
70 MHz	π/2 BPSK	3490.02	-0.50	1 / 108	23.30	22.80	0.191	30.00	-7.20
		3500.01	-0.50	1 / 1	23.18	22.68	0.185	30.00	-7.32
		3510.00	-0.50	1 / 108	23.19	22.69	0.186	30.00	-7.31
	QPSK	3490.02	-0.50	1 / 108	22.98	22.48	0.177	30.00	-7.52
		3500.01	-0.50	1 / 215	23.27	22.77	0.189	30.00	-7.23
		3510.00	-0.50	1 / 108	23.17	22.67	0.185	30.00	-7.33
	16-QAM	3500.01	-0.50	1 / 215	22.35	21.85	0.153	30.00	-8.15
		3490.02	-0.50	1 / 1	21.37	20.87	0.122	30.00	-9.13
		3510.00	-0.50	1 / 1	18.42	17.92	0.062	30.00	-12.08
	256-QAM	3495.00	-0.50	1 / 120	23.28	22.78	0.190	30.00	-7.22
80 MHz	π/2 BPSK	3500.01	-0.50	1 / 1	23.07	22.57	0.181	30.00	-7.43
		3504.99	-0.50	1 / 243	22.95	22.45	0.176	30.00	-7.55
		3495.00	-0.50	1 / 243	23.21	22.71	0.187	30.00	-7.29
	QPSK	3500.01	-0.50	1 / 243	23.30	22.80	0.191	30.00	-7.20
		3504.99	-0.50	1 / 243	23.30	22.80	0.191	30.00	-7.20
		3500.01	-0.50	1 / 120	22.28	21.78	0.151	30.00	-8.22
	16-QAM	3495.00	-0.50	1 / 1	21.30	20.80	0.120	30.00	-9.20
		3504.99	-0.50	1 / 120	18.31	17.81	0.060	30.00	-12.19
		3500.01	-0.50	1 / 271	23.19	22.69	0.186	30.00	-7.31
	QPSK	3500.01	-0.50	1 / 1	23.30	22.80	0.191	30.00	-7.20
		3500.01	-0.50	1 / 271	22.29	21.79	0.151	30.00	-8.21
100 MHz	QPSK	3500.01	-0.50	1 / 271	21.29	20.79	0.120	30.00	-9.21
		3500.01	-0.50	1 / 271	18.41	17.91	0.062	30.00	-12.09
		3500.01	-0.50	1 / 271	21.29	20.79	0.120	30.00	-9.21
	256-QAM	3500.01	-0.50	1 / 271	18.41	17.91	0.062	30.00	-12.09

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-11.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 246 of 265

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-0.70	1 / 22	23.50	22.80	0.191	30.00	-7.20
		3840.00	-0.70	1 / 12	23.45	22.75	0.188	30.00	-7.25
		3975.00	-0.70	1 / 12	23.48	22.78	0.190	30.00	-7.22
	QPSK	3705.00	-0.70	1 / 22	23.36	22.66	0.185	30.00	-7.34
		3840.00	-0.70	1 / 1	23.36	22.66	0.185	30.00	-7.34
		3975.00	-0.70	1 / 12	23.44	22.74	0.188	30.00	-7.26
	16-QAM	3975.00	-0.70	1 / 22	22.53	21.83	0.152	30.00	-8.17
	64-QAM	3975.00	-0.70	1 / 12	21.54	20.84	0.121	30.00	-9.16
	256-QAM	3975.00	-0.70	1 / 1	18.63	17.93	0.062	30.00	-12.07
15 MHz	π/2 BPSK	3707.51	-0.70	1 / 18	23.36	22.66	0.185	30.00	-7.34
		3840.00	-0.70	1 / 1	23.40	22.70	0.186	30.00	-7.30
		3972.50	-0.70	1 / 36	23.37	22.67	0.185	30.00	-7.33
	QPSK	3707.51	-0.70	1 / 1	23.42	22.72	0.187	30.00	-7.28
		3840.00	-0.70	1 / 36	23.49	22.79	0.190	30.00	-7.21
		3972.50	-0.70	1 / 36	23.50	22.80	0.191	30.00	-7.20
	16-QAM	3972.50	-0.70	1 / 1	22.50	21.80	0.151	30.00	-8.20
	64-QAM	3972.50	-0.70	1 / 18	21.51	20.81	0.121	30.00	-9.19
	256-QAM	3840.00	-0.70	1 / 36	18.61	17.91	0.062	30.00	-12.09
20 MHz	π/2 BPSK	3710.01	-0.70	1 / 1	23.33	22.63	0.183	30.00	-7.37
		3840.00	-0.70	1 / 25	23.42	22.72	0.187	30.00	-7.28
		3969.99	-0.70	1 / 25	23.33	22.63	0.183	30.00	-7.37
	QPSK	3710.01	-0.70	1 / 49	23.50	22.80	0.191	30.00	-7.20
		3840.00	-0.70	1 / 1	23.36	22.66	0.185	30.00	-7.34
		3969.99	-0.70	1 / 1	23.36	22.66	0.185	30.00	-7.34
	16-QAM	3969.99	-0.70	1 / 25	22.50	21.80	0.151	30.00	-8.20
	64-QAM	3710.01	-0.70	1 / 1	21.42	20.72	0.118	30.00	-9.28
	256-QAM	3969.99	-0.70	1 / 1	18.51	17.81	0.060	30.00	-12.19
30 MHz	π/2 BPSK	3715.02	-0.70	1 / 36	23.47	22.77	0.189	30.00	-7.23
		3840.00	-0.70	1 / 76	23.50	22.80	0.191	30.00	-7.20
		3964.98	-0.70	1 / 76	23.48	22.78	0.190	30.00	-7.22
	QPSK	3715.02	-0.70	1 / 36	23.41	22.71	0.187	30.00	-7.29
		3840.00	-0.70	1 / 76	23.28	22.58	0.181	30.00	-7.42
		3964.98	-0.70	1 / 1	23.36	22.66	0.185	30.00	-7.34
	16-QAM	3715.02	-0.70	1 / 1	22.55	21.85	0.153	30.00	-8.15
	64-QAM	3715.02	-0.70	1 / 36	21.49	20.79	0.120	30.00	-9.21
	256-QAM	3715.02	-0.70	1 / 76	18.65	17.95	0.062	30.00	-12.05
40 MHz	π/2 BPSK	3720.00	-0.70	1 / 1	23.31	22.61	0.182	30.00	-7.39
		3840.00	-0.70	1 / 1	23.50	22.80	0.191	30.00	-7.20
		3960.00	-0.70	1 / 50	23.44	22.74	0.188	30.00	-7.26
	QPSK	3720.00	-0.70	1 / 104	23.39	22.69	0.186	30.00	-7.31
		3840.00	-0.70	1 / 104	23.48	22.78	0.190	30.00	-7.22
		3960.00	-0.70	1 / 50	23.31	22.61	0.182	30.00	-7.39
	16-QAM	3720.00	-0.70	1 / 104	22.48	21.78	0.151	30.00	-8.22
	64-QAM	3720.00	-0.70	1 / 50	21.48	20.78	0.120	30.00	-9.22
	256-QAM	3840.00	-0.70	1 / 1	18.54	17.84	0.061	30.00	-12.16
50 MHz	π/2 BPSK	3725.01	-0.70	1 / 1	23.31	22.61	0.182	30.00	-7.39
		3840.00	-0.70	1 / 131	23.25	22.55	0.180	30.00	-7.45
		3954.99	-0.70	1 / 64	23.47	22.77	0.189	30.00	-7.23
	QPSK	3725.01	-0.70	1 / 131	23.50	22.80	0.191	30.00	-7.20
		3840.00	-0.70	1 / 131	23.38	22.68	0.185	30.00	-7.32
		3954.99	-0.70	1 / 64	23.23	22.53	0.179	30.00	-7.47
	16-QAM	3725.01	-0.70	1 / 1	22.50	21.80	0.151	30.00	-8.20
	64-QAM	3725.01	-0.70	1 / 64	21.48	20.78	0.120	30.00	-9.22
	256-QAM	3954.99	-0.70	1 / 64	18.59	17.89	0.062	30.00	-12.11
60 MHz	π/2 BPSK	3730.02	-0.70	1 / 160	23.48	22.78	0.190	30.00	-7.22
		3840.00	-0.70	1 / 81	23.36	22.66	0.185	30.00	-7.34
		3949.98	-0.70	1 / 1	23.50	22.80	0.191	30.00	-7.20
	QPSK	3730.02	-0.70	1 / 160	23.43	22.73	0.187	30.00	-7.27
		3840.00	-0.70	1 / 1	23.45	22.75	0.188	30.00	-7.25
		3949.98	-0.70	1 / 160	23.49	22.79	0.190	30.00	-7.21
	16-QAM	3949.98	-0.70	1 / 81	22.46	21.76	0.150	30.00	-8.24
	64-QAM	3730.02	-0.70	1 / 160	21.47	20.77	0.119	30.00	-9.23
	256-QAM	3730.02	-0.70	1 / 81	18.65	17.95	0.062	30.00	-12.05
70 MHz	π/2 BPSK	3735.00	-0.70	1 / 1	23.43	22.73	0.187	30.00	-7.27
		3840.00	-0.70	1 / 90	23.35	22.65	0.184	30.00	-7.35
		3945.00	-0.70	1 / 1	23.50	22.80	0.191	30.00	-7.20
	QPSK	3735.00	-0.70	1 / 187	23.36	22.66	0.185	30.00	-7.34
		3840.00	-0.70	1 / 90	23.45	22.75	0.188	30.00	-7.25
		3945.00	-0.70	1 / 90	23.41	22.71	0.187	30.00	-7.29
	16-QAM	3945.00	-0.70	1 / 1	22.53	21.83	0.152	30.00	-8.17
	64-QAM	3945.00	-0.70	1 / 90	21.55	20.85	0.122	30.00	-9.15
	256-QAM	3840.00	-0.70	1 / 187	18.60	17.90	0.062	30.00	-12.10
80 MHz	π/2 BPSK	3740.01	-0.70	1 / 108	23.21	22.51	0.178	30.00	-7.49
		3840.00	-0.70	1 / 1	23.08	22.38	0.173	30.00	-7.62
		3939.99	-0.70	1 / 215	23.23	22.53	0.179	30.00	-7.47
	QPSK	3740.01	-0.70	1 / 1	23.21	22.51	0.178	30.00	-7.49
		3840.00	-0.70	1 / 1	23.12	22.42	0.175	30.00	-7.58
		3939.99	-0.70	1 / 1	23.50	22.80	0.191	30.00	-7.20
	16-QAM	3939.99	-0.70	1 / 1	22.49	21.79	0.151	30.00	-8.21
	64-QAM	3939.99	-0.70	1 / 1	21.46	20.76	0.119	30.00	-9.24
	256-QAM	3740.01	-0.70	1 / 108	18.47	17.77	0.060	30.00	-12.23
90 MHz	π/2 BPSK	3745.02	-0.70	1 / 243	23.43	22.73	0.187	30.00	-7.27
		3840.00	-0.70	1 / 120	23.50	22.80	0.191	30.00	-7.20
		3934.98	-0.70	1 / 120	23.36	22.66	0.185	30.00	-7.34
	QPSK	3745.02	-0.70	1 / 1	23.33	22.63	0.183	30.00	-7.37
		3840.00	-0.70	1 / 243	23.46	22.76	0.189	30.00	-7.24
		3934.98	-0.70	1 / 120	23.47	22.77	0.189	30.00	-7.23
	16-QAM	3745.02	-0.70	1 / 1	22.43	21.73	0.149	30.00	-8.27
	64-QAM	3934.98	-0.70	1 / 1	21.50	20.80	0.120	30.00	-9.20
	256-QAM	3934.98	-0.70	1 / 1	18.61	17.91	0.062	30.00	-12.09
100 MHz	π/2 BPSK	3750.00	-0.70	1 / 135	23.25	22.55	0.180	30.00	-7.45
		3840.00	-0.70	1 / 271	23.42	22.72	0.187	30.00	-7.28
		3930.00	-0.70	1 / 135	23.32	22.62	0.183	30.00	-7.38
	QPSK	3750.00	-0.70	1 / 1	23.50	22.80	0.191	30.00	-7.20
		3840.00	-0.70	1 / 1	23.15	22.45	0.176	30.00	-7.55
		3930.00	-0.70	1 / 271	23.50	22.80	0.191	30.00	-7.20
	16-QAM	3840.00	-0.70	1 / 135	22.34	21.64	0.146	30.00	-8.36
	64-QAM	3750.00	-0.70	1 / 1	21.50	20.80	0.120	30.00	-9.20
	256-QAM	3930.00	-0.70	1 / 1	18.49	17.79	0.060	30.00	-12.21

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 / 1	23.26	22.56	0.180	30.00	-7.44
		3840.00	-0.70	1 / 1	23.30	22.60	0.182	30.00	-7.40
		3975.00	-0.70	1 / 12	23.25	22.55	0.180	30.00	-7.45
	QPSK	3705.00	-0.70	1 / 22	23.26	22.56	0.180	30.00	-7.44
		3840.00	-0.70	1 / 12	23.23	22.53	0.179	30.00	-7.47
		3975.00	-0.70	1 / 1	23.23	22.53	0.179	30.00	-7.47
	16-QAM	3840.00	-0.70	1 / 22	22.27	21.57	0.144	30.00	-8.43
	64-QAM	3975.00	-0.70	1 / 12	21.25	20.55	0.114	30.00	-9.45
	256-QAM	3705.00	-0.70	1 / 22	18.41	17.71	0.059	30.00	-12.29
	256-QAM	3705.00	-0.70	1 / 22	18.41	17.71	0.059	30.00	-12.29
15 MHz	π/2 BPSK	3707.51	-0.70	1 / 1	23.17	22.47	0.177	30.00	-7.53
		3840.00	-0.70	1 / 36	23.24	22.54	0.179	30.00	-7.46
		3972.50	-0.70	1 / 1	23.30	22.60	0.182	30.00	-7.40
	QPSK	3707.51	-0.70	1 / 1	23.00	22.30	0.170	30.00	-7.70
		3840.00	-0.70	1 / 18	23.09	22.39	0.173	30.00	-7.61
		3972.50	-0.70	1 / 1	23.08	22.38	0.173	30.00	-7.62
	16-QAM	3972.50	-0.70	1 / 1	22.27	21.57	0.144	30.00	-8.43
	64-QAM	3707.51	-0.70	1 / 18	21.25	20.55	0.114	30.00	-9.45
	256-QAM	3707.51	-0.70	1 / 1	18.31	17.61	0.058	30.00	-12.39
	256-QAM	3707.51	-0.70	1 / 1	18.31	17.61	0.058	30.00	-12.39
20 MHz	π/2 BPSK	3710.01	-0.70	1 / 25	23.12	22.42	0.175	30.00	-7.58
		3840.00	-0.70	1 / 1	23.20	22.50	0.178	30.00	-7.50
		3969.99	-0.70	1 / 1	23.05	22.35	0.172	30.00	-7.65
	QPSK	3710.01	-0.70	1 / 25	23.01	22.31	0.170	30.00	-7.69
		3840.00	-0.70	1 / 49	23.20	22.50	0.178	30.00	-7.50
		3969.99	-0.70	1 / 25	23.30	22.60	0.182	30.00	-7.40
	16-QAM	3969.99	-0.70	1 / 49	22.30	21.60	0.145	30.00	-8.40
	64-QAM	3840.00	-0.70	1 / 49	21.30	20.60	0.115	30.00	-9.40
	256-QAM	3969.99	-0.70	1 / 25	18.42	17.72	0.059	30.00	-12.28
	256-QAM	3969.99	-0.70	1 / 25	18.42	17.72	0.059	30.00	-12.28
30 MHz	π/2 BPSK	3715.02	-0.70	1 / 36	23.22	22.52	0.179	30.00	-7.48
		3840.00	-0.70	1 / 36	23.16	22.46	0.176	30.00	-7.54
		3964.98	-0.70	1 / 36	23.26	22.56	0.180	30.00	-7.44
	QPSK	3715.02	-0.70	1 / 36	23.29	22.59	0.182	30.00	-7.41
		3840.00	-0.70	1 / 1	23.27	22.57	0.181	30.00	-7.43
		3964.98	-0.70	1 / 1	23.30	22.60	0.182	30.00	-7.40
	16-QAM	3840.00	-0.70	1 / 1	22.20	21.50	0.141	30.00	-8.50
	64-QAM	3964.98	-0.70	1 / 1	21.27	20.57	0.114	30.00	-9.43
	256-QAM	3964.98	-0.70	1 / 76	18.27	17.57	0.057	30.00	-12.43
	256-QAM	3964.98	-0.70	1 / 76	18.27	17.57	0.057	30.00	-12.43
40 MHz	π/2 BPSK	3720.00	-0.70	1 / 104	23.27	22.57	0.181	30.00	-7.43
		3840.00	-0.70	1 / 1	23.23	22.53	0.179	30.00	-7.47
		3960.00	-0.70	1 / 1	23.26	22.56	0.180	30.00	-7.44
	QPSK	3720.00	-0.70	1 / 1	23.27	22.57	0.181	30.00	-7.43
		3840.00	-0.70	1 / 1	23.30	22.60	0.182	30.00	-7.40
		3960.00	-0.70	1 / 104	23.28	22.58	0.181	30.00	-7.42
	16-QAM	3960.00	-0.70	1 / 1	22.21	21.51	0.142	30.00	-8.49
	64-QAM	3720.00	-0.70	1 / 1	21.28	20.58	0.114	30.00	-9.42
	256-QAM	3960.00	-0.70	1 / 50	18.39	17.69	0.059	30.00	-12.31
	256-QAM	3960.00	-0.70	1 / 50	18.39	17.69	0.059	30.00	-12.31
50 MHz	π/2 BPSK	3725.01	-0.70	1 / 64	23.15	22.45	0.176	30.00	-7.55
		3840.00	-0.70	1 / 64	23.30	22.60	0.182	30.00	-7.40
		3954.99	-0.70	1 / 131	23.26	22.56	0.180	30.00	-7.44
	QPSK	3725.01	-0.70	1 / 64	23.23	22.53	0.179	30.00	-7.47
		3840.00	-0.70	1 / 1	23.21	22.51	0.178	30.00	-7.49
		3954.99	-0.70	1 / 1	23.06	22.36	0.172	30.00	-7.64
	16-QAM	3840.00	-0.70	1 / 64	22.16	21.46	0.140	30.00	-8.54
	64-QAM	3725.01	-0.70	1 / 64	21.30	20.60	0.115	30.00	-9.40
	256-QAM	3840.00	-0.70	1 / 131	18.37	17.67	0.058	30.00	-12.33
	256-QAM	3840.00	-0.70	1 / 131	18.37	17.67	0.058	30.00	-12.33
60 MHz	π/2 BPSK	3730.02	-0.70	1 / 160	23.11	22.41	0.174	30.00	-7.59
		3840.00	-0.70	1 / 1	23.15	22.45	0.176	30.00	-7.55
		3949.98	-0.70	1 / 1	23.30	22.60	0.182	30.00	-7.40
	QPSK	3730.02	-0.70	1 / 81	23.30	22.60	0.182	30.00	-7.40
		3840.00	-0.70	1 / 81	22.99	22.29	0.169	30.00	-7.71
		3949.98	-0.70	1 / 1	23.25	22.55	0.180	30.00	-7.45
	16-QAM	3730.02	-0.70	1 / 81	22.15	21.45	0.140	30.00	-8.55
	64-QAM	3840.00	-0.70	1 / 1	21.32	20.62	0.115	30.00	-9.38
	256-QAM	3840.00	-0.70	1 / 160	18.39	17.69	0.059	30.00	-12.31
	256-QAM	3840.00	-0.70	1 / 160	18.39	17.69	0.059	30.00	-12.31
70 MHz	π/2 BPSK	3735.00	-0.70	1 / 90	22.97	22.27	0.169	30.00	-7.73
		3840.00	-0.70	1 / 187	23.05	22.35	0.172	30.00	-7.65
		3945.00	-0.70	1 / 90	23.10	22.40	0.174	30.00	-7.60
	QPSK	3735.00	-0.70	1 / 187	23.12	22.42	0.175	30.00	-7.58
		3840.00	-0.70	1 / 187	23.28	22.58	0.181	30.00	-7.42
		3945.00	-0.70	1 / 187	23.30	22.60	0.182	30.00	-7.40
	16-QAM	3735.00	-0.70	1 / 90	22.32	21.62	0.145	30.00	-8.38
	64-QAM	3840.00	-0.70	1 / 187	21.30	20.60	0.115	30.00	-9.40
	256-QAM	3945.00	-0.70	1 / 187	18.41	17.71	0.059	30.00	-12.29
	256-QAM	3945.00	-0.70	1 / 187	18.41	17.71	0.059	30.00	-12.29
80 MHz	π/2 BPSK	3740.01	-0.70	1 / 1	22.97	22.27	0.169	30.00	-7.73
		3840.00	-0.70	1 / 215	23.10	22.40	0.174	30.00	-7.60
		3939.99	-0.70	1 / 215	23.24	22.54	0.179	30.00	-7.46
	QPSK	3740.01	-0.70	1 / 108	23.30	22.60	0.182	30.00	-7.40
		3840.00	-0.70	1 / 108	23.18	22.48	0.177	30.00	-7.52
		3939.99	-0.70	1 / 1	23.00	22.30	0.170	30.00	-7.70
	16-QAM	3840.00	-0.70	1 / 215	22.26	21.56	0.143	30.00	-8.44
	64-QAM	3939.99	-0.70	1 / 108	21.27	20.57	0.114	30.00	-9.43
	256-QAM	3939.99	-0.70	1 / 1	18.38	17.68	0.059	30.00	-12.32
	256-QAM	3939.99	-0.70	1 / 1	18.38	17.68	0.059	30.00	-12.32
90 MHz	π/2 BPSK	3745.02	-0.70	1 / 1	23.30	22.60	0.182	30.00	-7.40
		3840.00	-0.70	1 / 120	23.22	22.52	0.179	30.00	-7.48
		3934.98	-0.70	1 / 120	23.27	22.57	0.181	30.00	-7.43
	QPSK	3745.02	-0.70	1 / 1	23.20	22.50	0.178	30.00	-7.50
		3840.00	-0.70	1 / 120	23.30	22.60	0.182	30.00	-7.40
		3934.98	-0.70	1 / 120	23.02	22.32	0.171	30.00	-7.68
	16-QAM	3934.98	-0.70	1 / 1	22.31	21.61	0.145	30.00	-8.39
	64-QAM	3745.02	-0.70	1 / 120	21.25	20.55	0.114	30.00	-9.45
	256-QAM	3934.98	-0.70	1 / 1	18.40	17.70	0.059	30.00	-12.30
	256-QAM	3934.98	-0.70	1 / 1	18.40	17.70	0.059	30.00	-12.30
100 MHz	π/2 BPSK	3750.00	-0.70	1 / 271	23.30	22.60	0.182	30.00	-7.40
		3840.00	-0.70	1 / 135	23.17	22.47	0.177	30.00	-7.53
		3930.00	-0.70	1 / 135	23.30	22.60	0.182	30.00	-7.40
	QPSK	3750.00	-0.70	1 / 271	23.22	22.52	0.179	30.00	-7.48
		3840.00	-0.70	1 / 271	23.18	22.48	0.177	30.00	-7.52
		3930.00	-0.70	1 / 135	23.14	22.44	0.175	30.00	-7.56
	16-QAM	3750.00	-0.70	1 / 1	22.21	21.51	0.142	30.00	-8.49
	64-QAM	3930.00	-0.70	1 / 1	21.17	20.47	0.111	30.00	-9.53
	256-QAM	3930.00	-0.70	1 / 135	18.36	17.66	0.058	30.00	-12.34
	256-QAM	3930.00	-0.70	1 / 135	18.36	17.66	0.058	30.00	-12.34

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

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7.7 Radiated Spurious Emissions Measurements

§2.1053, §27.53(l), §27.53(n)

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

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

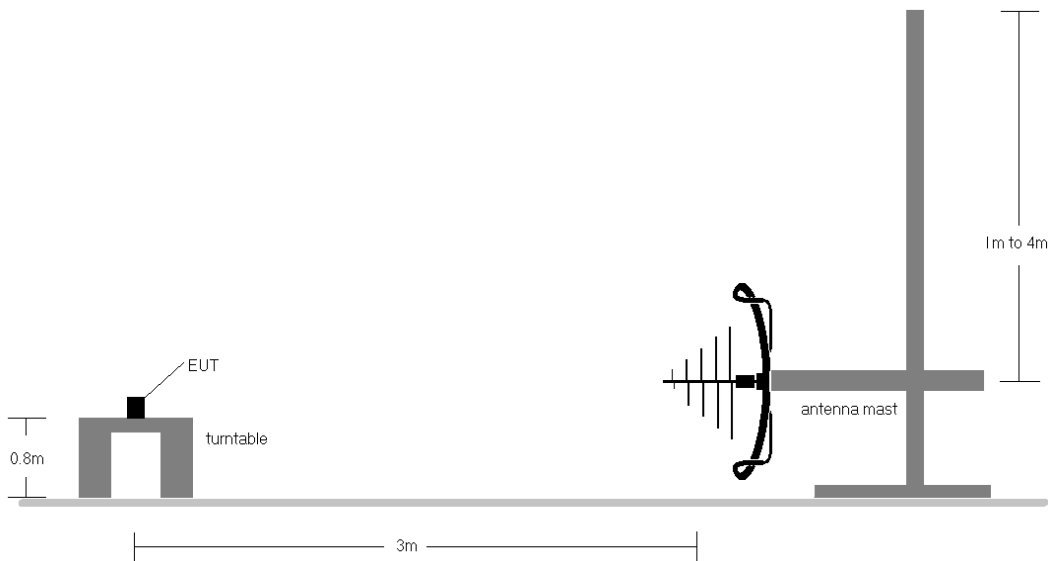


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

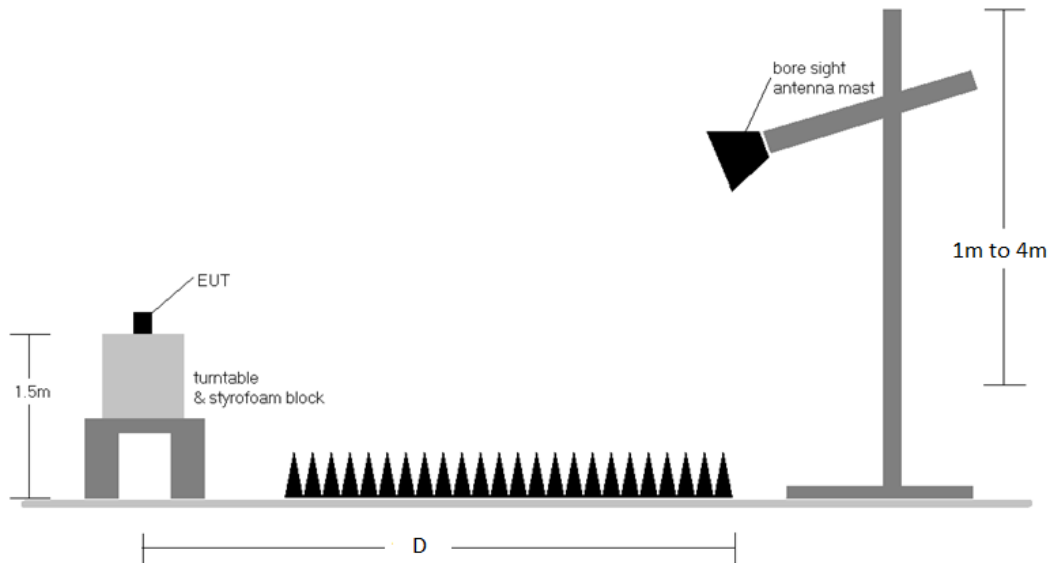


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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Test Notes

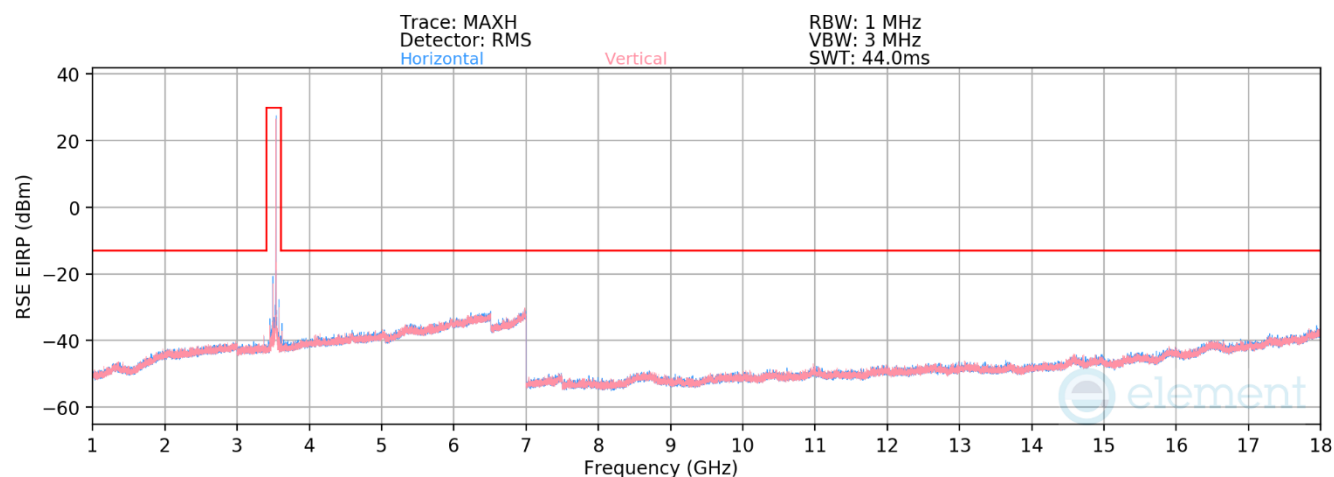
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. No significant emissions were found for below 1GHz.
6. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
9. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.

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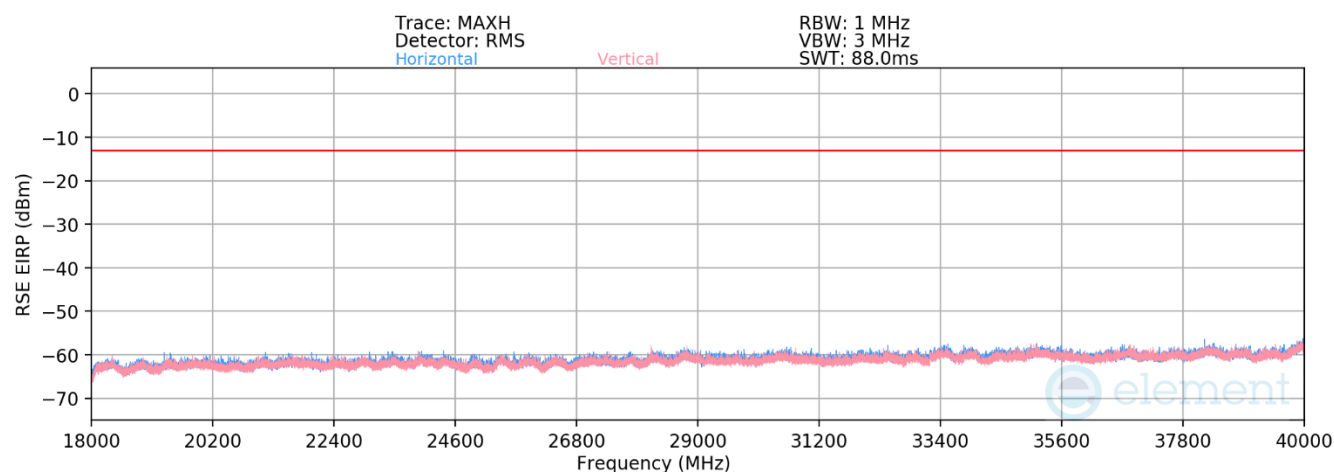
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7.7.1 Antenna 3a Radiated Spurious Emission Measurements

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)

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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	-	-	-79.55	10.06	37.51	-57.75	-13.00	-44.75
10485.0	H	221	229	-75.73	11.93	43.20	-52.06	-13.00	-39.06
13980.0	V	-	-	-81.79	16.89	42.10	-53.16	-13.00	-40.16
17475.0	V	-	-	-82.79	24.72	48.94	-46.32	-13.00	-33.32

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	V	-	-	-78.71	10.10	38.39	-56.87	-13.00	-43.87
10500.0	H	-	-	-80.33	12.24	38.91	-56.35	-13.00	-43.35
14000.0	H	-	-	-80.83	16.08	42.24	-53.01	-13.00	-40.01

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

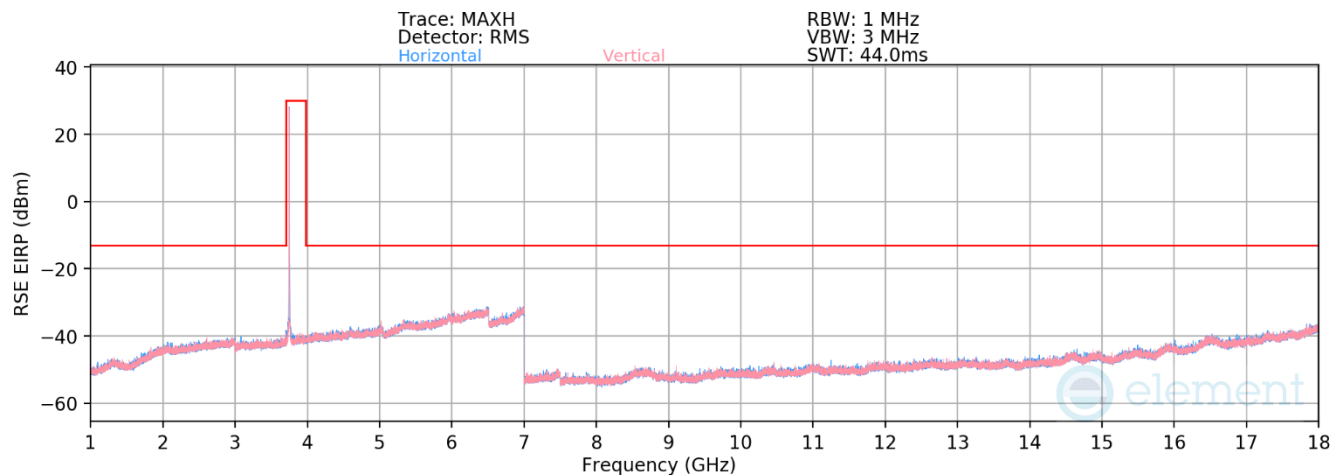
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-79.02	10.10	38.09	-57.17	-13.00	-44.17
10515.0	H	-	-	-80.52	12.45	38.93	-56.33	-13.00	-43.33
14020.0	V	-	-	-80.81	16.09	42.29	-52.97	-13.00	-39.97

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

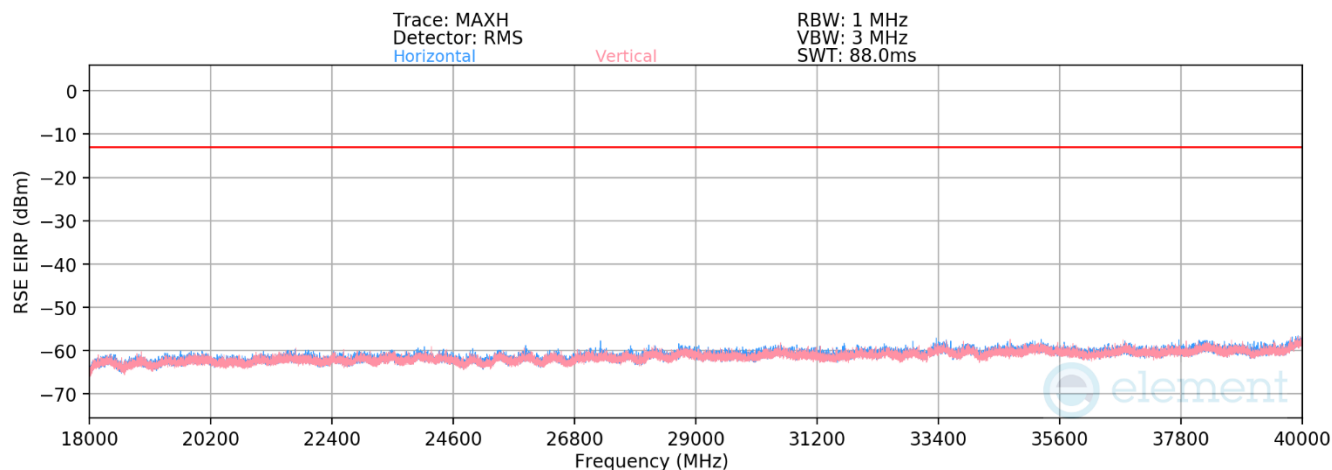
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NR Band n77 C Band



Plot 7-417. Antenna 3a Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 C Band)



Plot 7-418. Antenna 3a Radiated Spurious Emission above 18GHz (NR Band n77 C Band)

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-79.43	9.96	37.53	-57.73	-13.00	-44.73
11250.0	H	198	140	-76.46	12.67	43.21	-52.04	-13.00	-39.04
15000.0	V	-	-	-81.06	18.15	44.10	-51.16	-13.00	-38.16

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-79.74	9.55	36.81	-58.45	-13.00	-45.45
11520.0	H	-	-	-81.03	14.23	40.20	-55.06	-13.00	-42.06
15360.0	H	-	-	-81.66	19.37	44.71	-50.55	-13.00	-37.55

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-80.18	10.49	37.31	-57.95	-13.00	-44.95
11790.0	H	-	-	-80.67	14.91	41.24	-54.02	-13.00	-41.02
15720.0	H	-	-	-81.78	19.17	44.40	-50.86	-13.00	-37.86

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.2 Antenna 2 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 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	-	-	-79.45	10.06	37.62	-57.64	-13.00	-44.64
10485.0	V	-	-	-80.23	12.07	38.84	-56.42	-13.00	-43.42
13980.0	V	-	-	-81.89	16.89	42.00	-53.26	-13.00	-40.26

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	-	-	-78.80	10.10	38.31	-56.95	-13.00	-43.95
10500.0	H	-	-	-80.60	12.47	38.87	-56.39	-13.00	-43.39
14000.0	H	-	-	-81.04	16.13	42.09	-53.17	-13.00	-40.17

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	H	-	-	-79.14	10.10	37.96	-57.29	-13.00	-44.29
10515.0	V	-	-	-80.49	12.45	38.96	-56.30	-13.00	-43.30
14020.0	H	-	-	-81.12	16.09	41.98	-53.28	-13.00	-40.28

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n77 C Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	H	-	-	-79.48	9.96	37.49	-57.77	-13.00	-44.77
11250.0	V	-	-	-80.66	13.29	39.64	-55.62	-13.00	-42.62
15000.0	H	-	-	-81.89	18.81	43.93	-51.33	-13.00	-38.33

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	-	-	-79.61	9.55	36.94	-58.32	-13.00	-45.32
11520.0	H	-	-	-80.09	13.46	40.37	-54.89	-13.00	-41.89
15360.0	V	-	-	-81.54	19.21	44.67	-50.59	-13.00	-37.59

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	-	-	-80.03	10.49	37.45	-57.80	-13.00	-44.80
11790.0	V	-	-	-80.76	14.75	40.99	-54.27	-13.00	-41.27
15720.0	H	-	-	-81.84	19.30	44.46	-50.80	-13.00	-37.80

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.3 Antenna 4 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 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	-	-	-79.43	10.06	37.63	-57.63	-13.00	-44.63
10485.0	H	-	-	-80.18	12.07	38.88	-56.37	-13.00	-43.37
13980.0	V	-	-	-81.53	16.56	42.03	-53.23	-13.00	-40.23

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	V	-	-	-79.07	10.10	38.04	-57.22	-13.00	-44.22
10500.0	V	-	-	-80.42	12.47	39.05	-56.21	-13.00	-43.21
14000.0	V	-	-	-81.15	16.13	41.98	-53.28	-13.00	-40.28

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	V	-	-	-79.21	10.10	37.89	-57.36	-13.00	-44.36
10515.0	H	-	-	-80.44	12.45	39.01	-56.25	-13.00	-43.25
14020.0	H	-	-	-80.93	16.09	42.16	-53.10	-13.00	-40.10

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

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NR Band n77 C Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-79.13	9.96	37.84	-57.42	-13.00	-44.42
11250.0	H	-	-	-80.93	13.48	39.55	-55.71	-13.00	-42.71
15000.0	V	-	-	-81.12	18.15	44.03	-51.23	-13.00	-38.23

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-79.77	9.95	37.19	-58.07	-13.00	-45.07
11520.0	H	-	-	-80.16	13.46	40.30	-54.96	-13.00	-41.96
15360.0	V	-	-	-81.41	19.07	44.67	-50.59	-13.00	-37.59

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-79.97	10.49	37.52	-57.74	-13.00	-44.74
11790.0	H	-	-	-80.63	14.75	41.12	-54.14	-13.00	-41.14
15720.0	V	-	-	-81.91	19.30	44.38	-50.88	-13.00	-37.88

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

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7.7.4 Antenna 1a Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 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	-	-	-79.44	9.87	37.43	-57.82	-13.00	-44.82
10485.0	H	-	-	-80.35	12.07	38.72	-56.54	-13.00	-43.54
13980.0	H	-	-	-81.94	16.89	41.95	-53.31	-13.00	-40.31

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	-	-	-79.03	10.10	38.07	-57.18	-13.00	-44.18
10500.0	V	-	-	-80.13	12.25	39.12	-56.13	-13.00	-43.13
14000.0	H	-	-	-80.80	16.13	42.32	-52.94	-13.00	-39.94

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	-	-	-79.67	10.71	38.03	-57.22	-13.00	-44.22
10515.0	V	-	-	-80.43	12.45	39.03	-56.23	-13.00	-43.23
14020.0	V	-	-	-81.07	16.22	42.15	-53.11	-13.00	-40.11

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

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NR Band n77 C Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-79.30	9.96	37.66	-57.60	-13.00	-44.60
11250.0	V	-	-	-80.54	13.29	39.75	-55.51	-13.00	-42.51
15000.0	H	-	-	-81.07	18.15	44.09	-51.17	-13.00	-38.17

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	-	-	-79.08	9.55	37.47	-57.79	-13.00	-44.79
11520.0	V	-	-	-80.75	14.23	40.48	-54.78	-13.00	-41.78
15360.0	V	-	-	-81.76	19.37	44.61	-50.64	-13.00	-37.64

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-79.90	10.49	37.58	-57.67	-13.00	-44.67
11790.0	V	-	-	-80.65	14.75	41.11	-54.15	-13.00	-41.15
15720.0	V	-	-	-81.86	19.30	44.43	-50.82	-13.00	-37.82

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

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7.8 Frequency Stability / Temperature Variation

§2.1055, §27.54

Test Overview and Limit

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

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

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

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

Test Setup

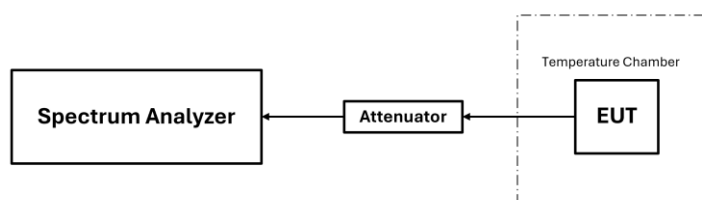


Figure 7-8. FR1 Test Instrument & Measurement Setup

Test Notes

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

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Frequency Stability / Temperature Variation

NR Band n77 (3450-3550MHz)

Operating Band Lower Boundary (GHz)		3.4500		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.45006987	-0.00006987
		- 20	3.45093991	-0.00093991
		- 10	3.45012009	-0.00012009
		0	3.45037794	-0.00037794
		+ 10	3.45071859	-0.00071859
		+ 20 (Ref)	3.45088559	-0.00088559
		+ 30	3.45000638	-0.00000638
		+ 40	3.45042111	-0.00042111
		+ 50	3.45034943	-0.00034943
Battery Endpoint	3.40	+ 20	3.45041121	-0.00041121

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	3.54982771	-0.00017229
		- 20	3.54921264	-0.00078736
		- 10	3.54933985	-0.00066015
		0	3.54986726	-0.00013274
		+ 10	3.54957064	-0.00042936
		+ 20 (Ref)	3.54927664	-0.00072336
		+ 30	3.54918290	-0.00081710
		+ 40	3.54910573	-0.00089427
		+ 50	3.54906368	-0.00093632
Battery Endpoint	3.40	+ 20	3.54967067	-0.00032933

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

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Frequency Stability / Temperature Variation

NR Band n77 (3700-3980MHz)

Operating Band Lower Boundary (GHz)		3.700		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.70086316	-0.00086316
		- 20	3.70032146	-0.00032146
		- 10	3.70090293	-0.00090293
		0	3.70045000	-0.00045000
		+ 10	3.70072703	-0.00072703
		+ 20 (Ref)	3.70057640	-0.00057640
		+ 30	3.70043730	-0.00043730
		+ 40	3.70092716	-0.00092716
		+ 50	3.70091277	-0.00091277
Battery Endpoint	3.40	+ 20	3.70062102	-0.00062102

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	3.97924974	-0.00075026
		- 20	3.97972612	-0.00027388
		- 10	3.97906327	-0.00093673
		0	3.97941451	-0.00058549
		+ 10	3.97944535	-0.00055465
		+ 20 (Ref)	3.97989768	-0.00010232
		+ 30	3.97924676	-0.00075324
		+ 40	3.97915670	-0.00084330
		+ 50	3.97950555	-0.00049445
Battery Endpoint	3.40	+ 20	3.97964631	-0.00035369

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

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA3269** complies with all the requirements of Part 27 of the FCC rules.

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