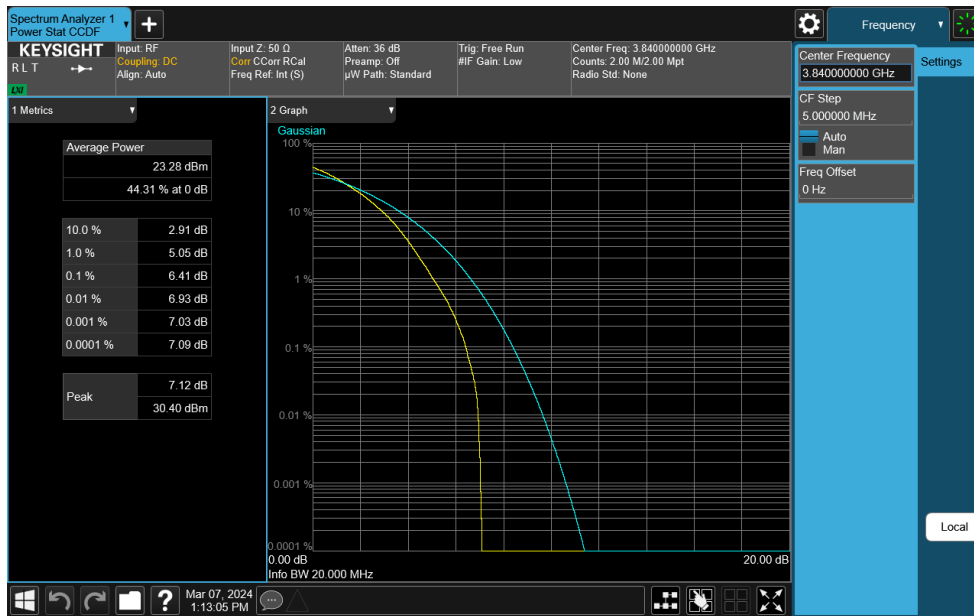
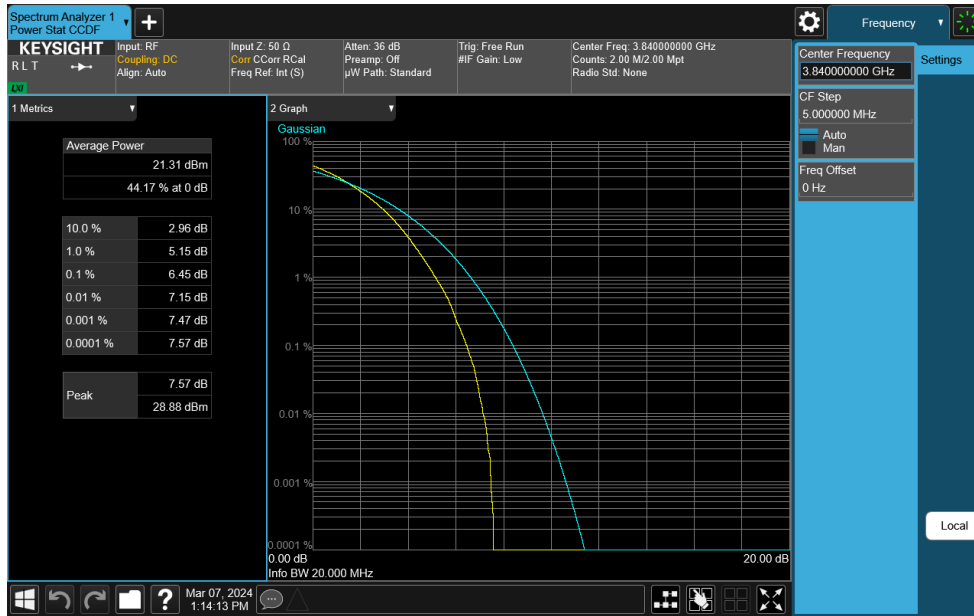


Plot 7-372. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 16-QAM - Full RB)

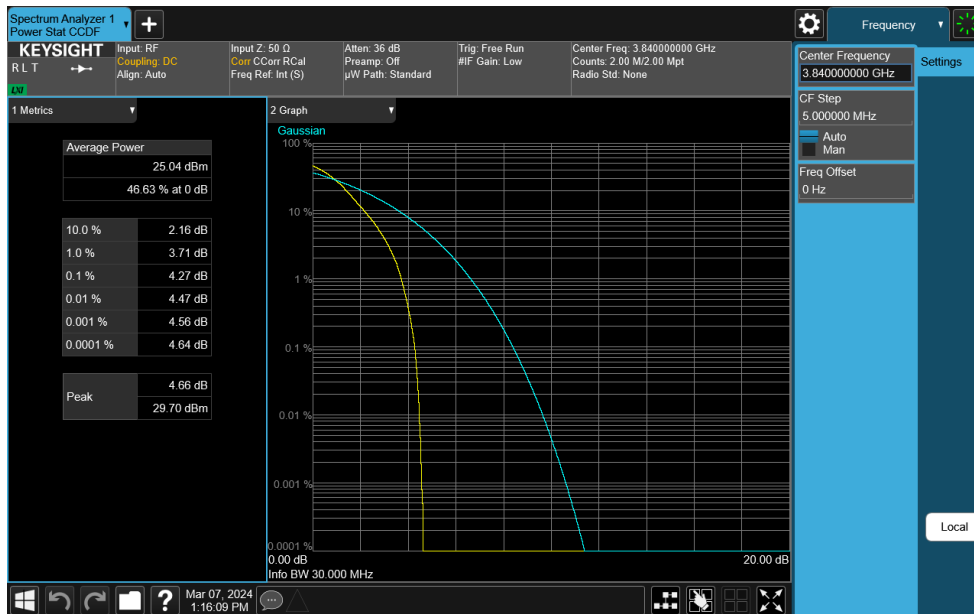


Plot 7-373. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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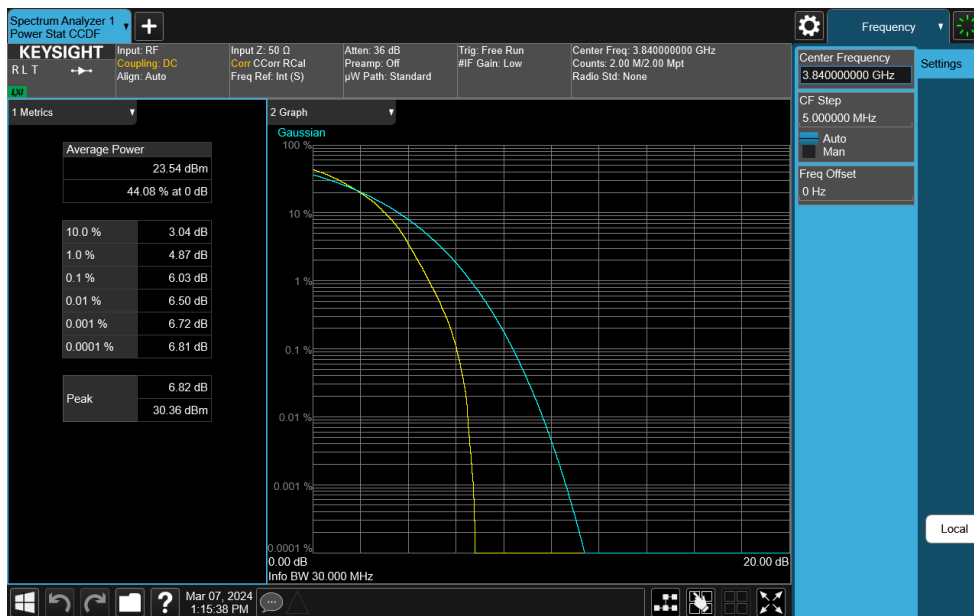
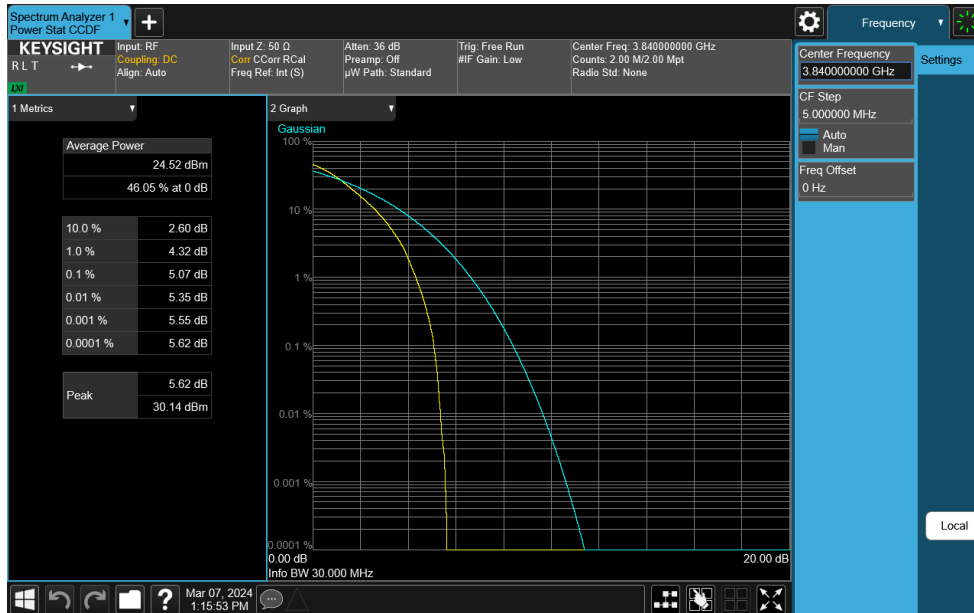


Plot 7-374. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 256-QAM - Full RB)

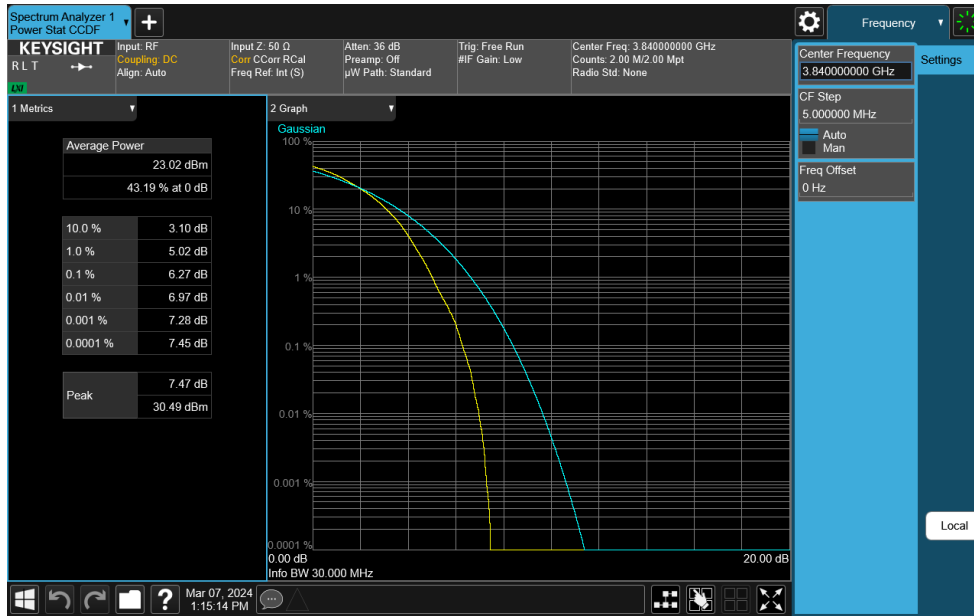


Plot 7-375. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

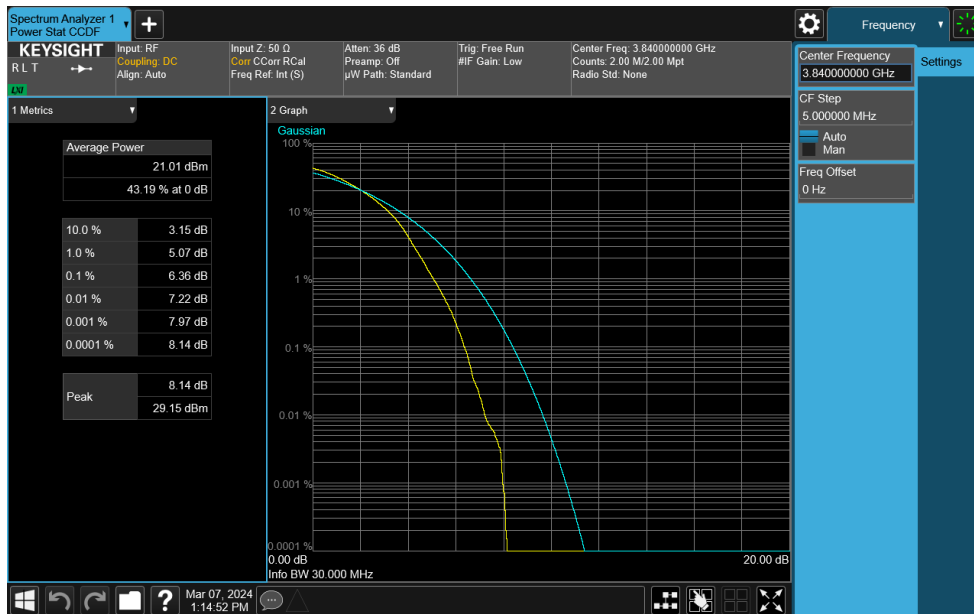
FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device
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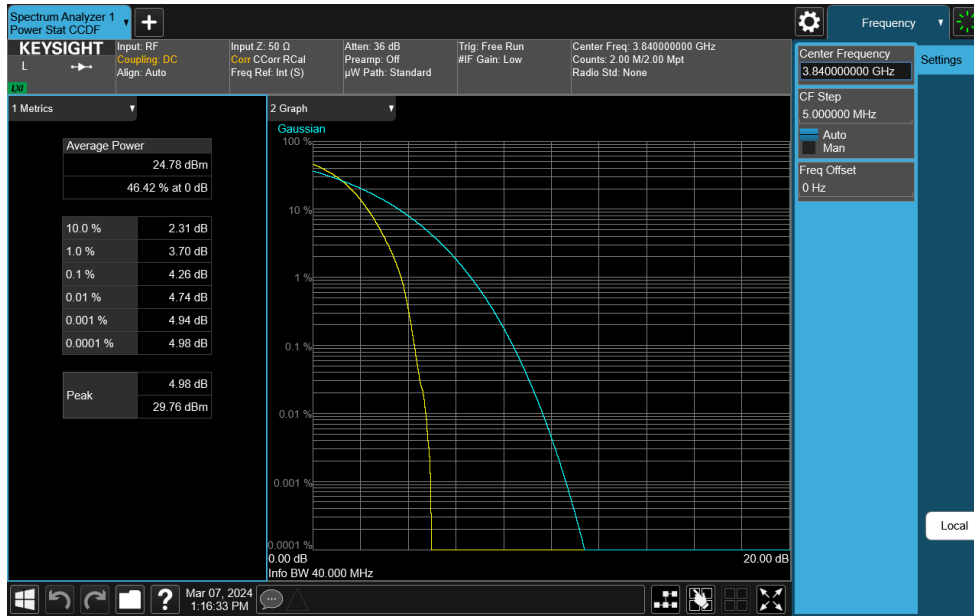


Plot 7-378. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 64-QAM - Full RB)

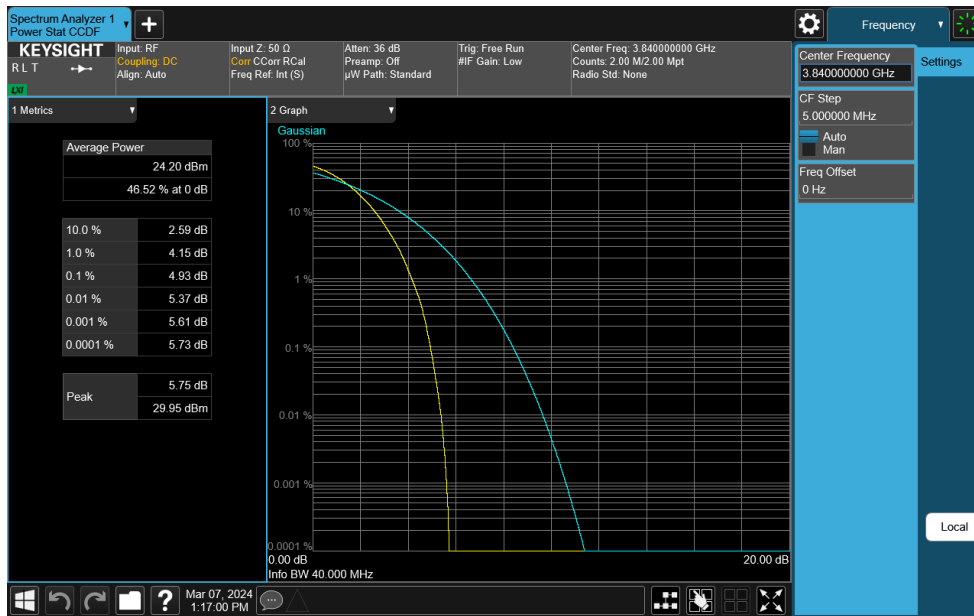


Plot 7-379. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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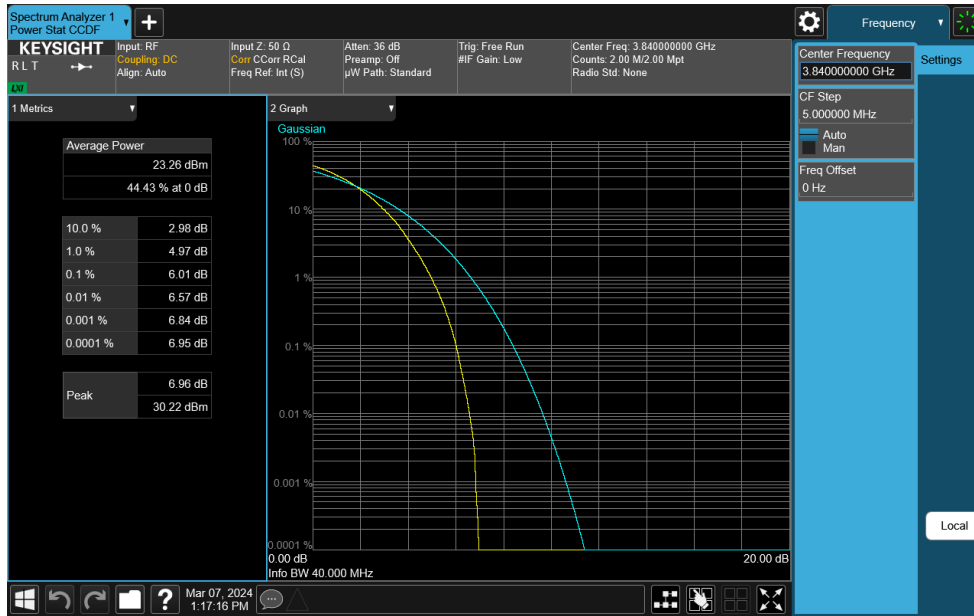


Plot 7-380. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

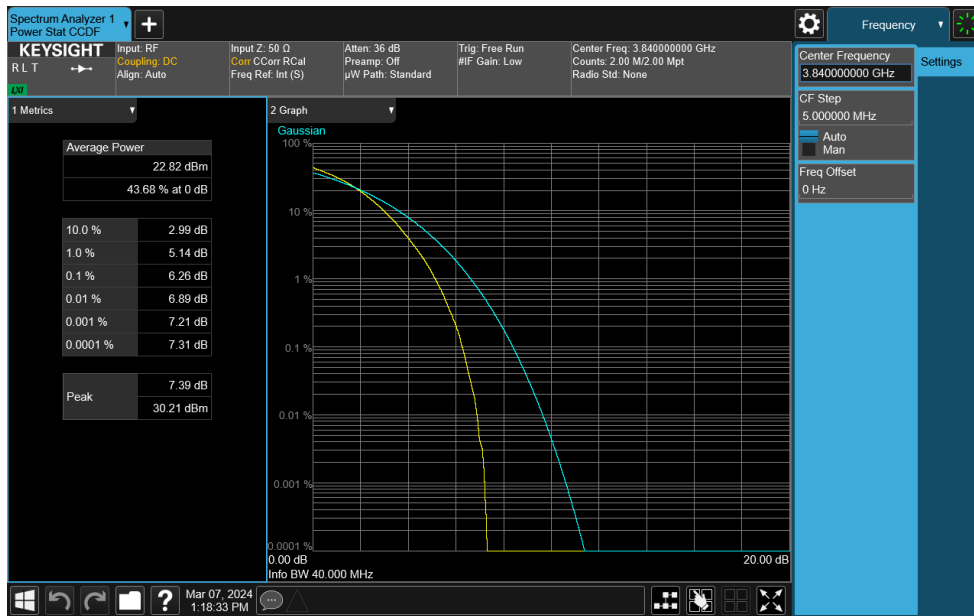


Plot 7-381. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device
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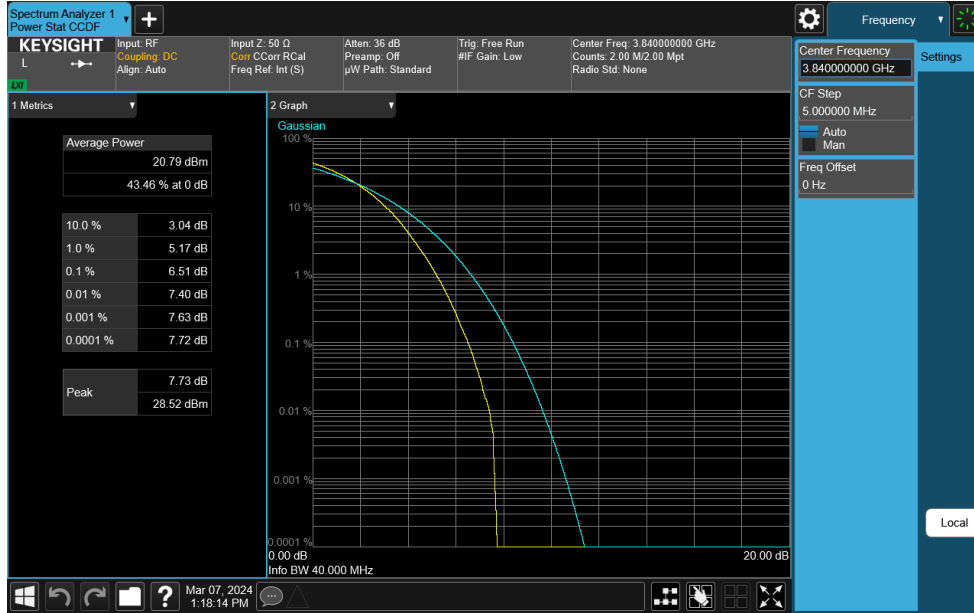


Plot 7-382. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 16-QAM - Full RB)

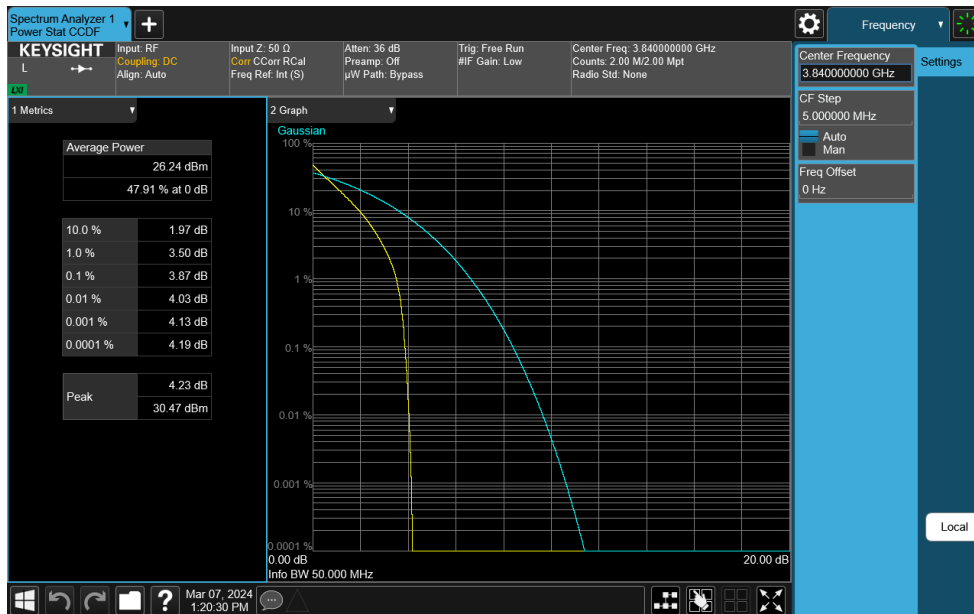


Plot 7-383. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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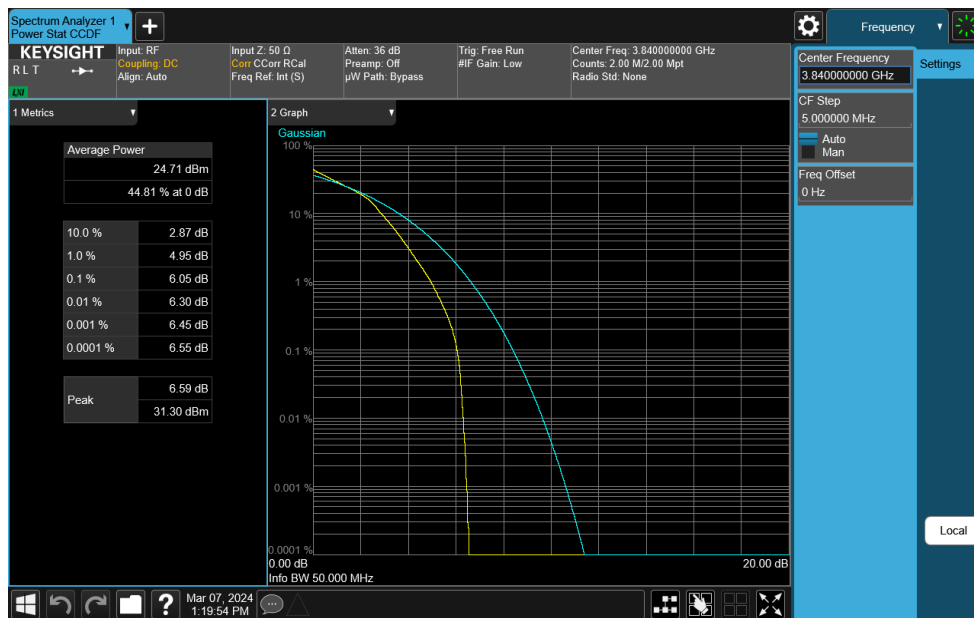
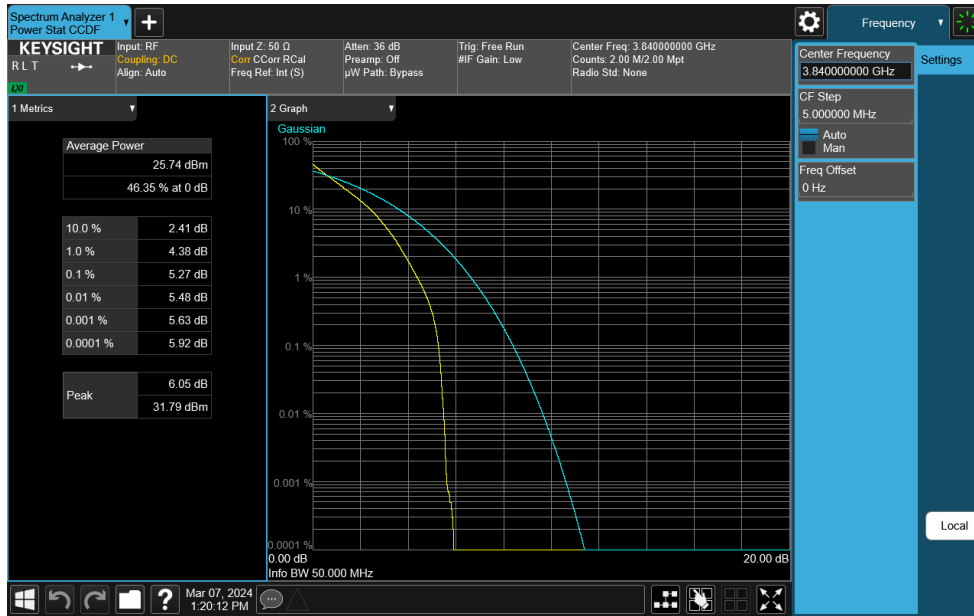


Plot 7-384. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 256-QAM - Full RB)

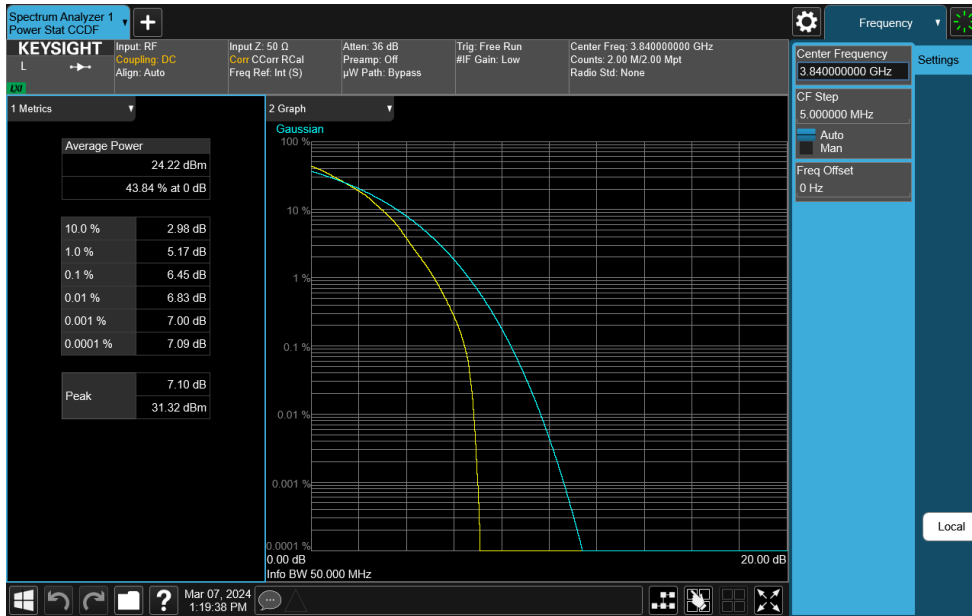


Plot 7-385. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

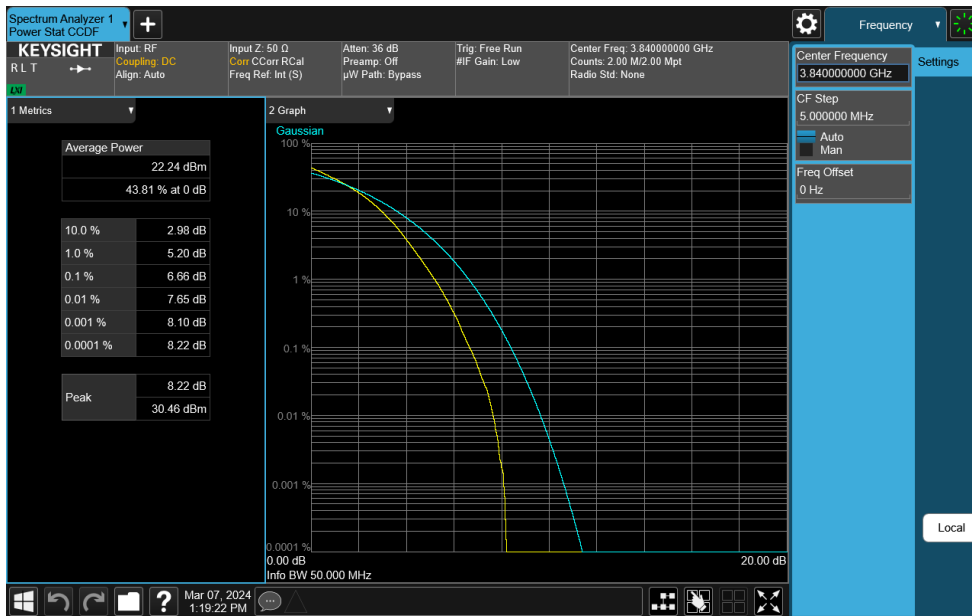
FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device
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FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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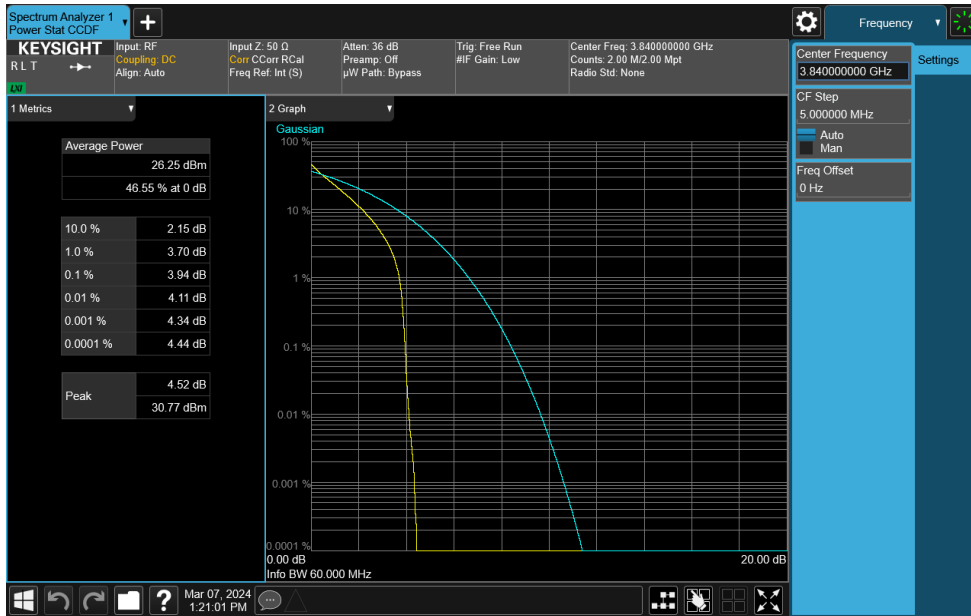


Plot 7-388. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 64-QAM - Full RB)

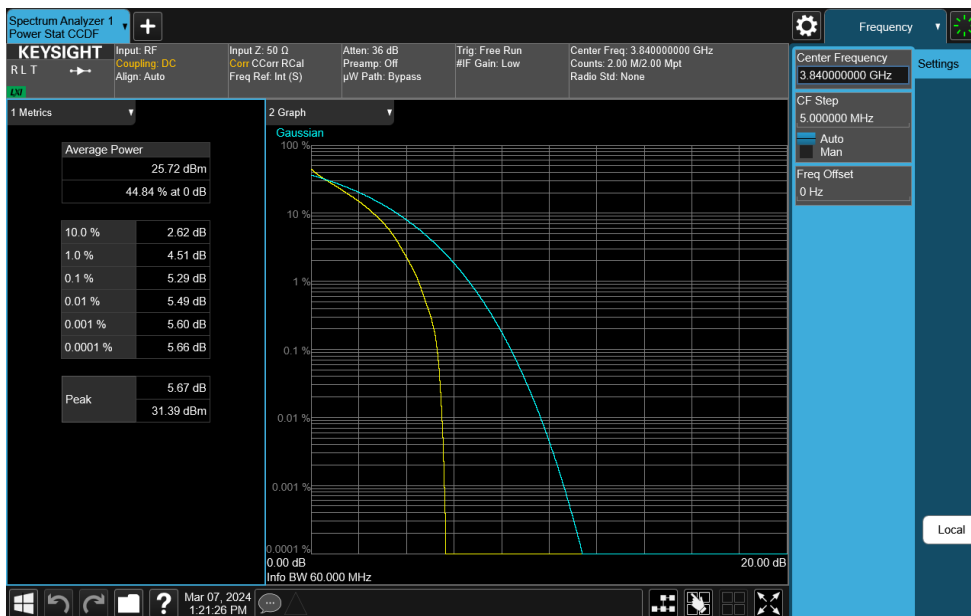


Plot 7-389. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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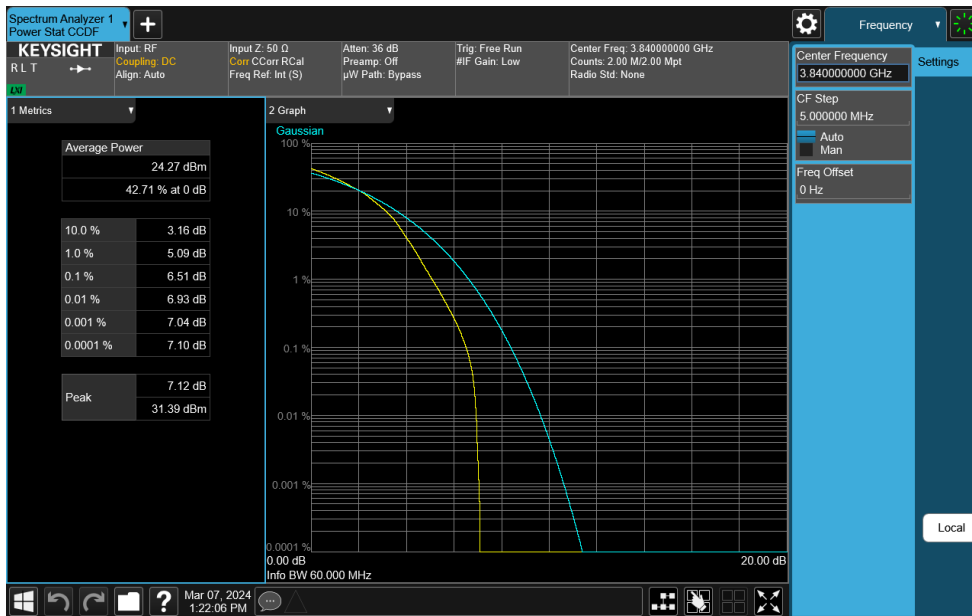
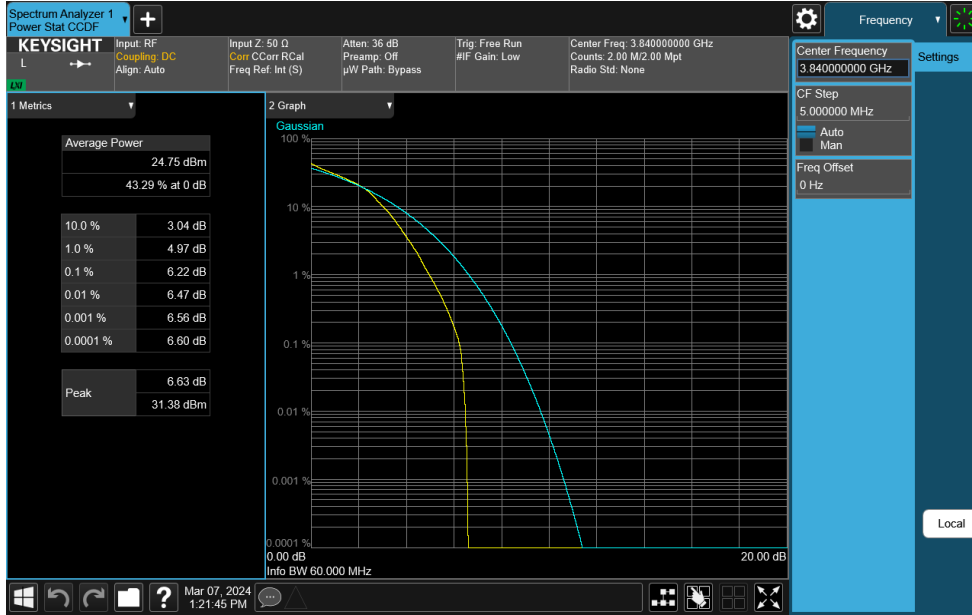


Plot 7-390. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

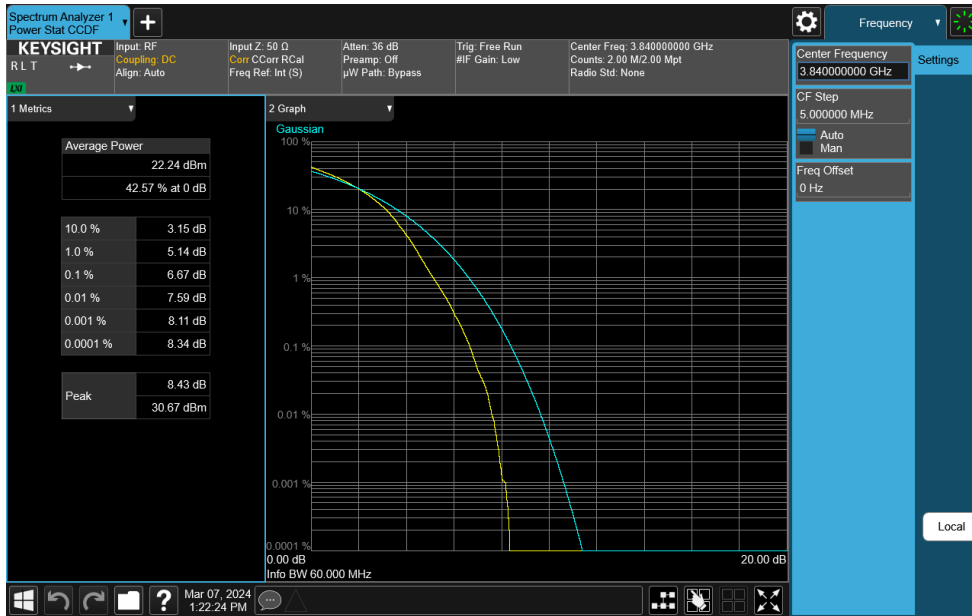


Plot 7-391. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

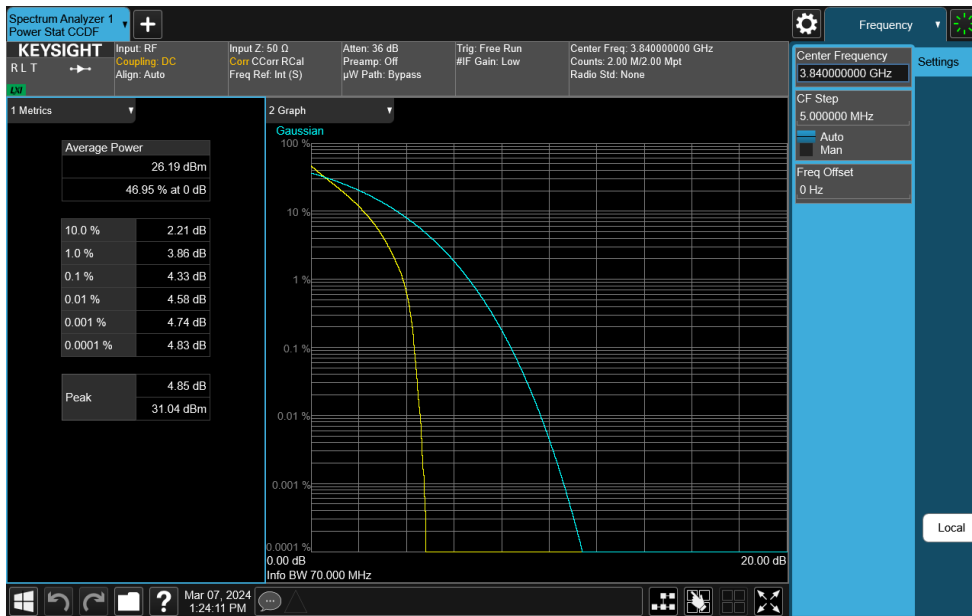
FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device
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FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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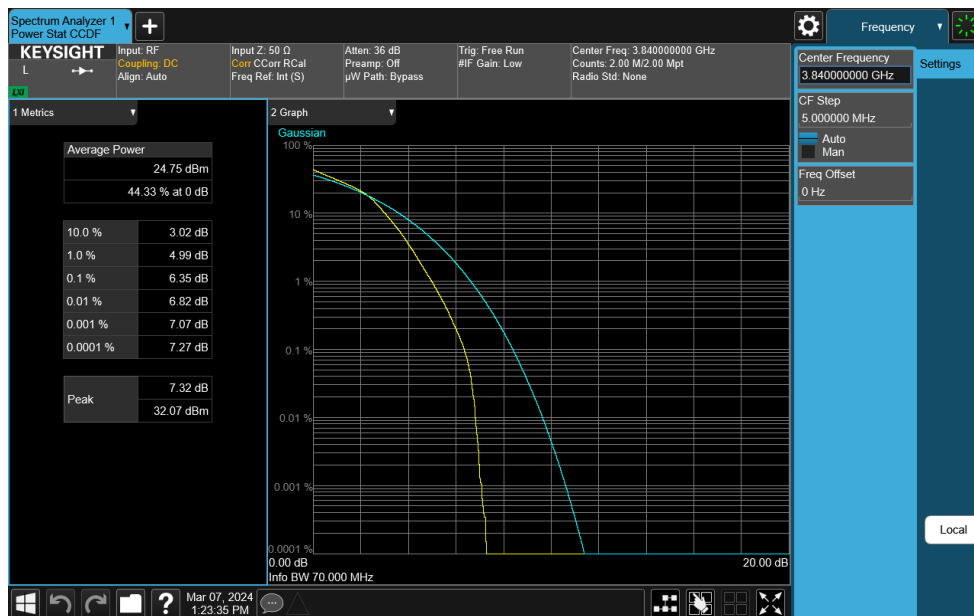
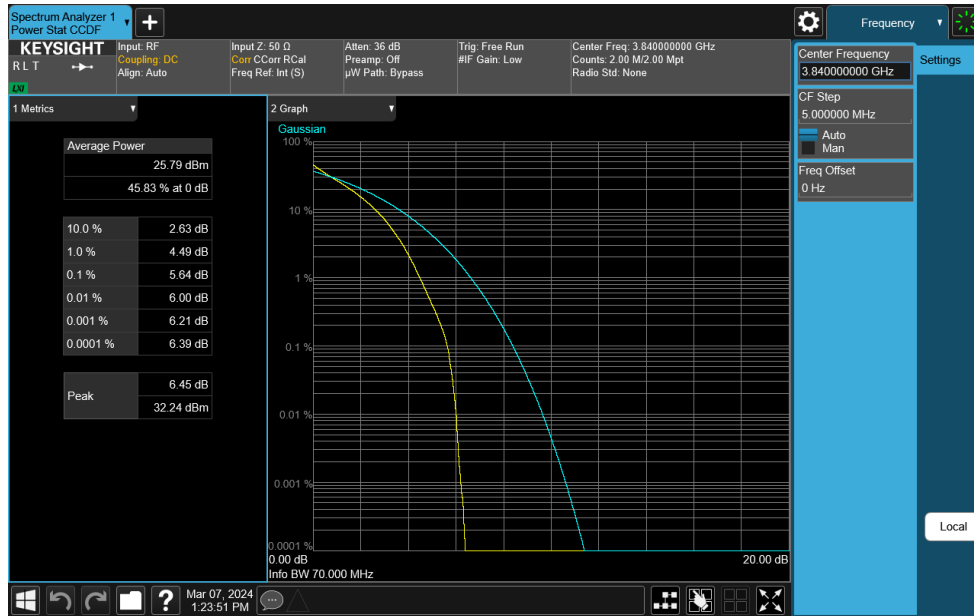


Plot 7-394. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 256-QAM - Full RB)

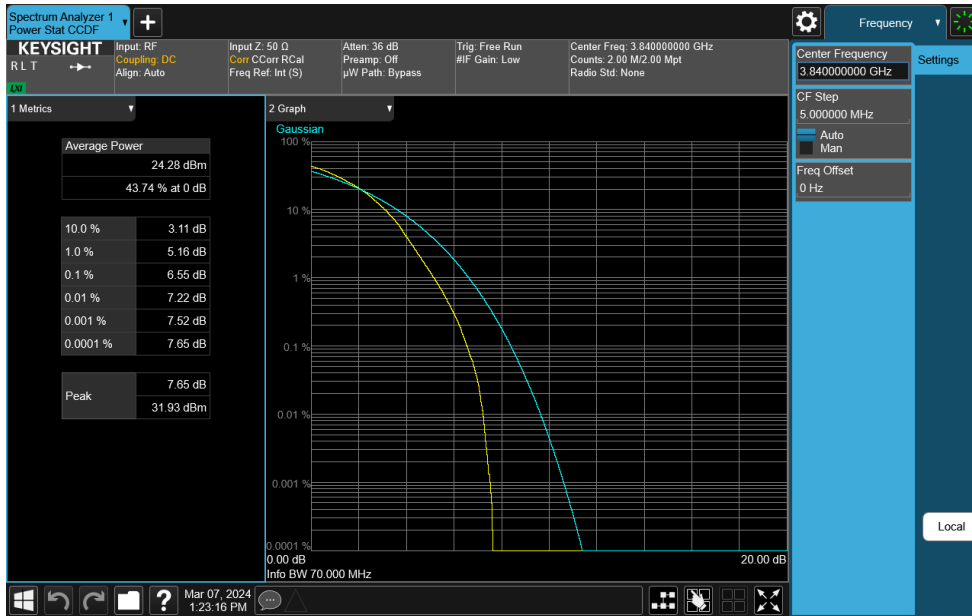


Plot 7-395. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

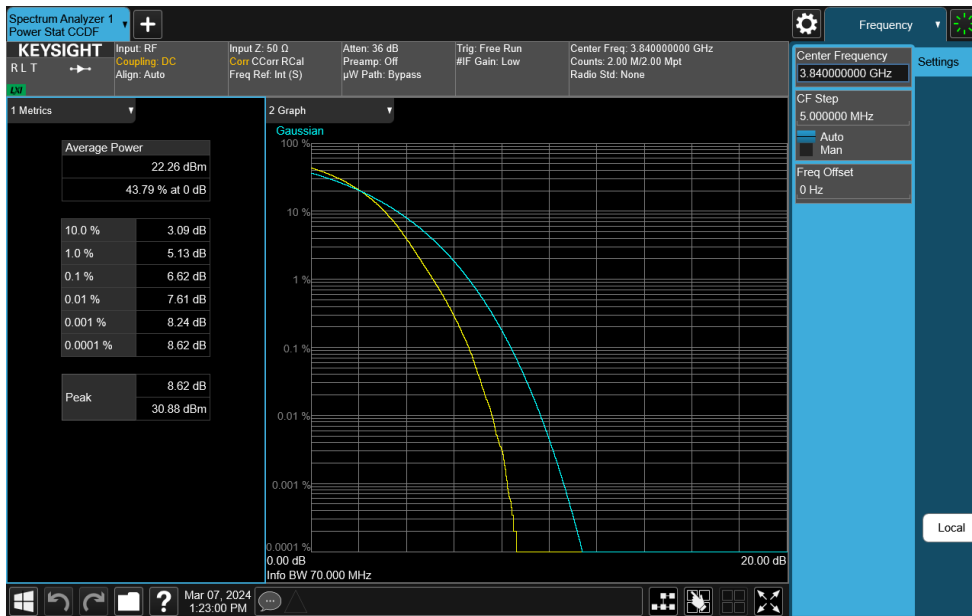
FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device
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FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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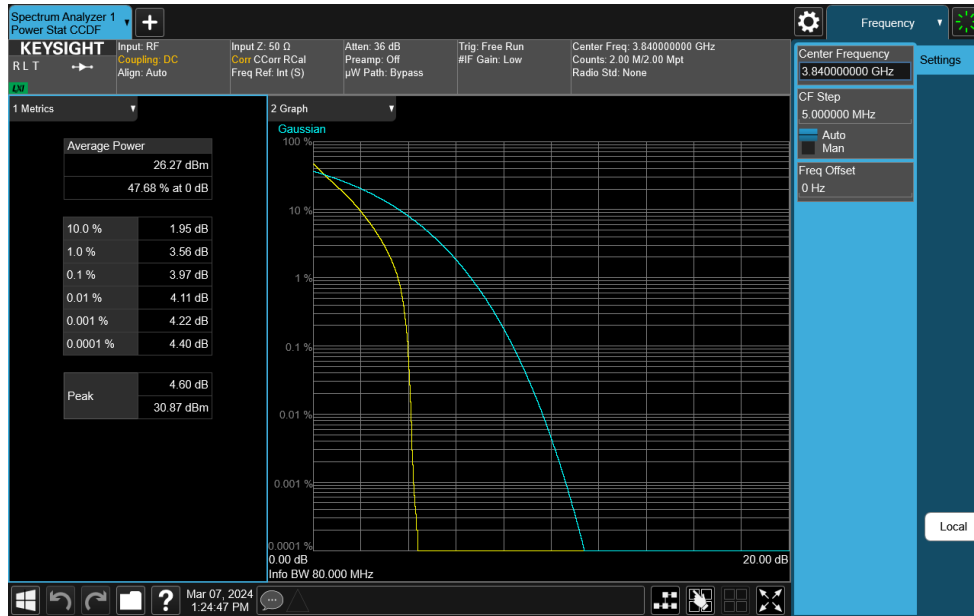


Plot 7-398. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 64-QAM - Full RB)

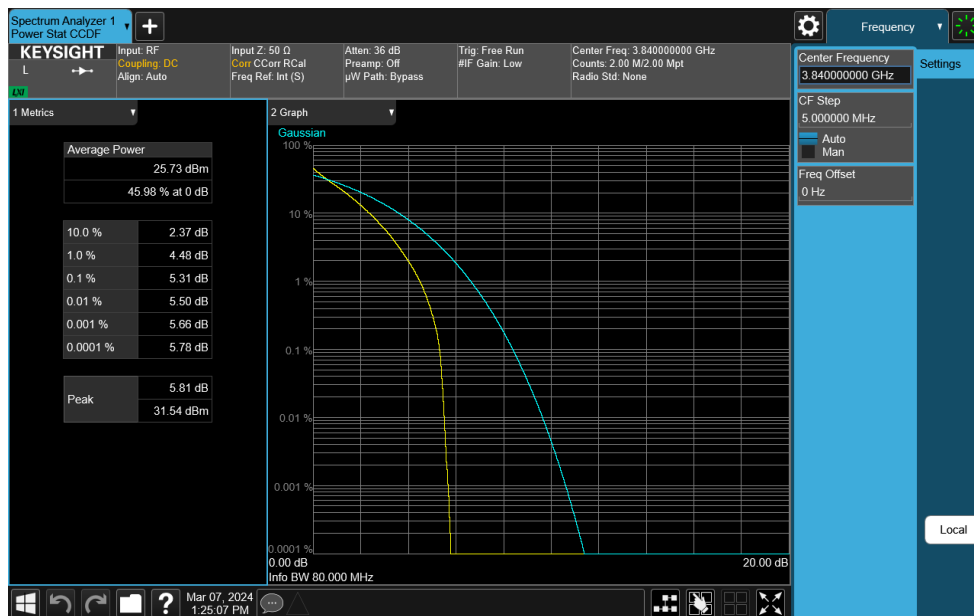


Plot 7-399. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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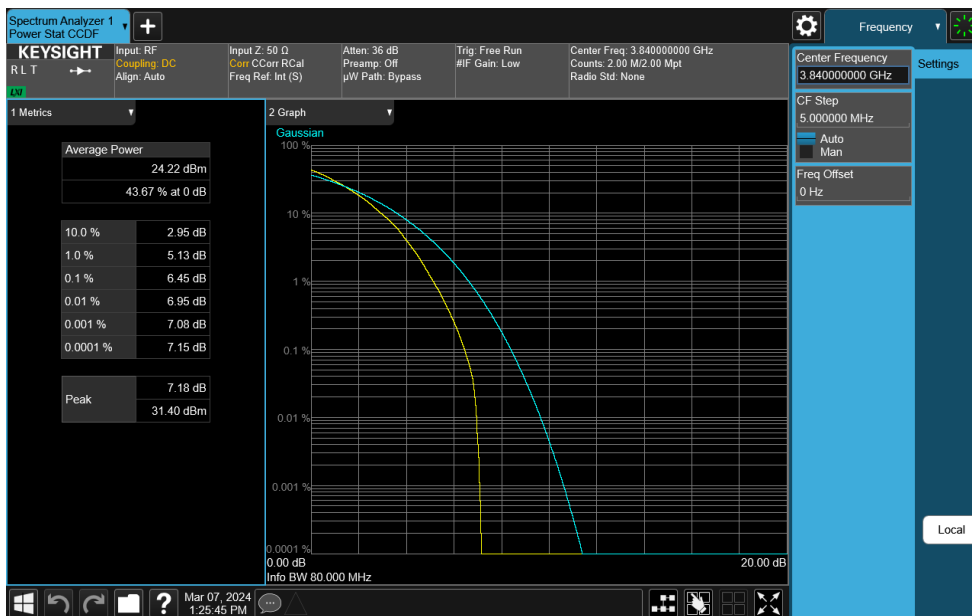
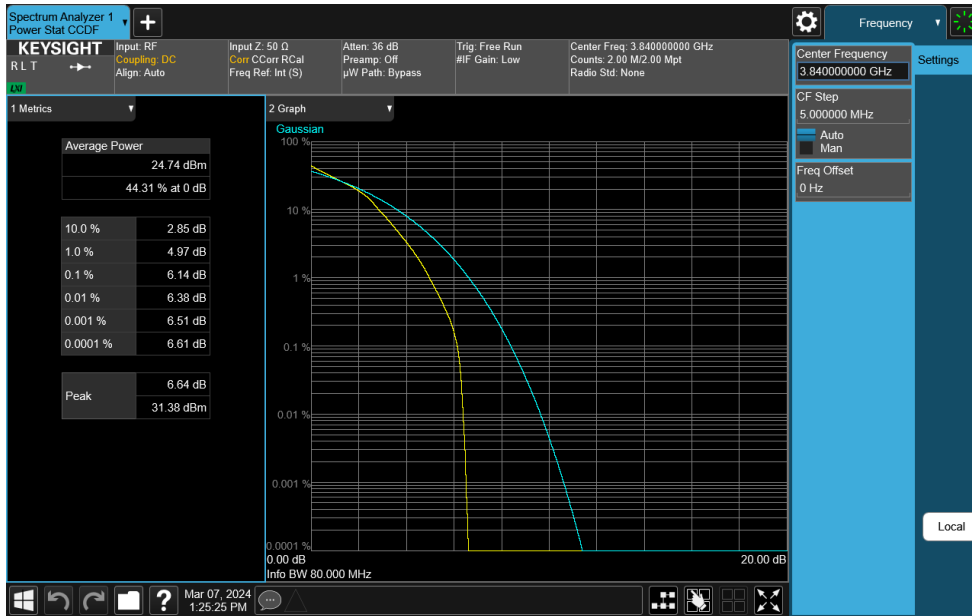


Plot 7-400. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

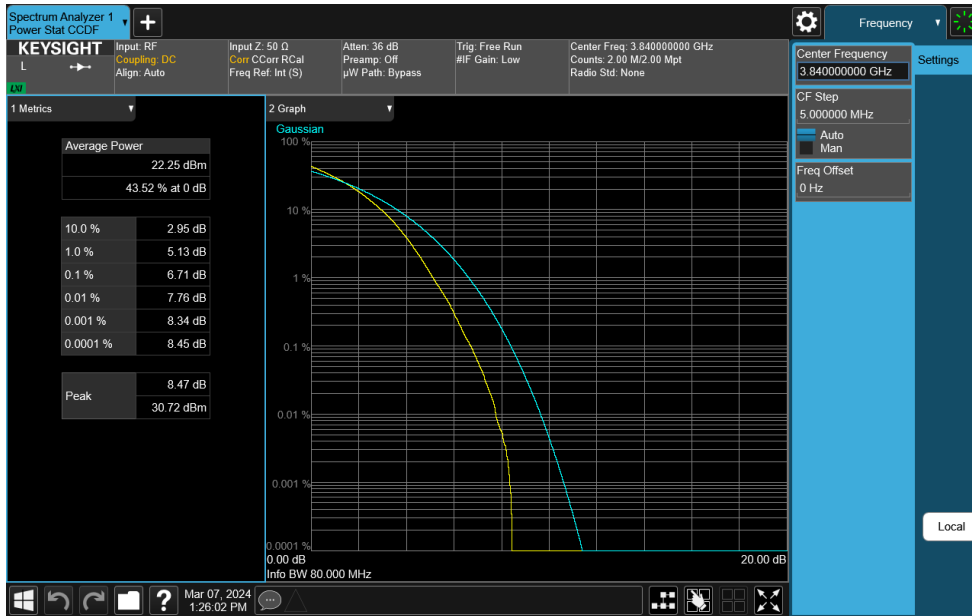


Plot 7-401. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK - Full RB)

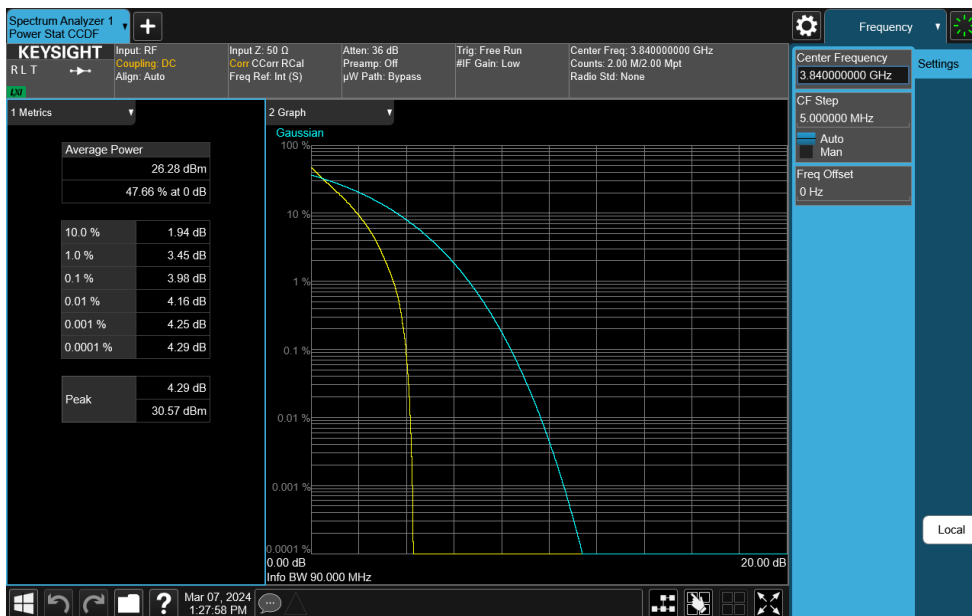
FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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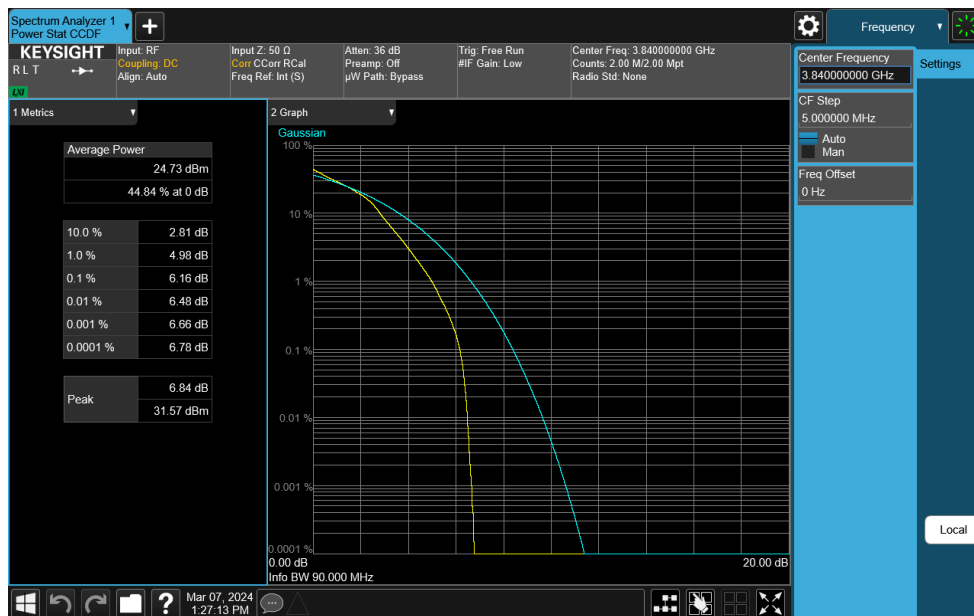
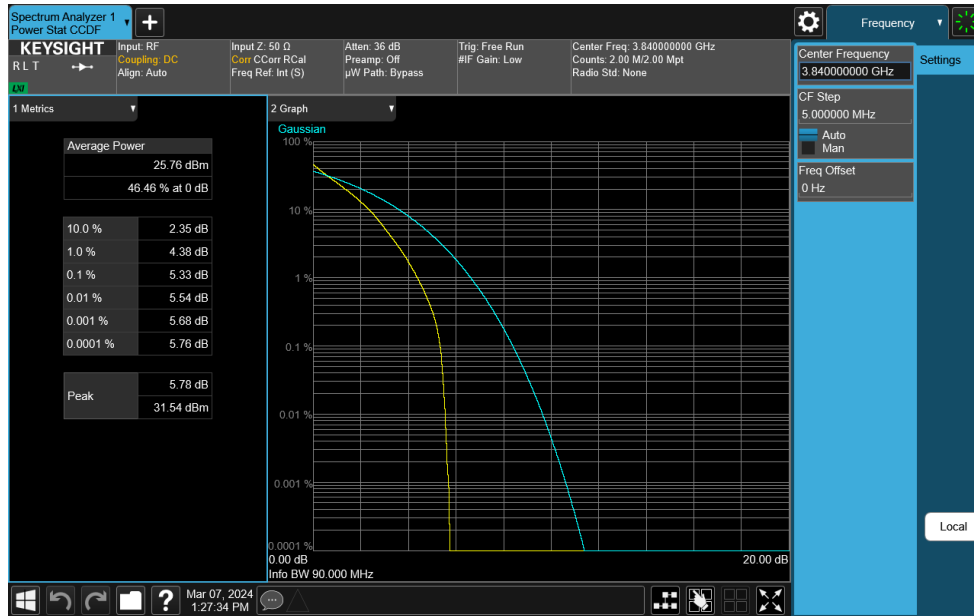


Plot 7-404. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)

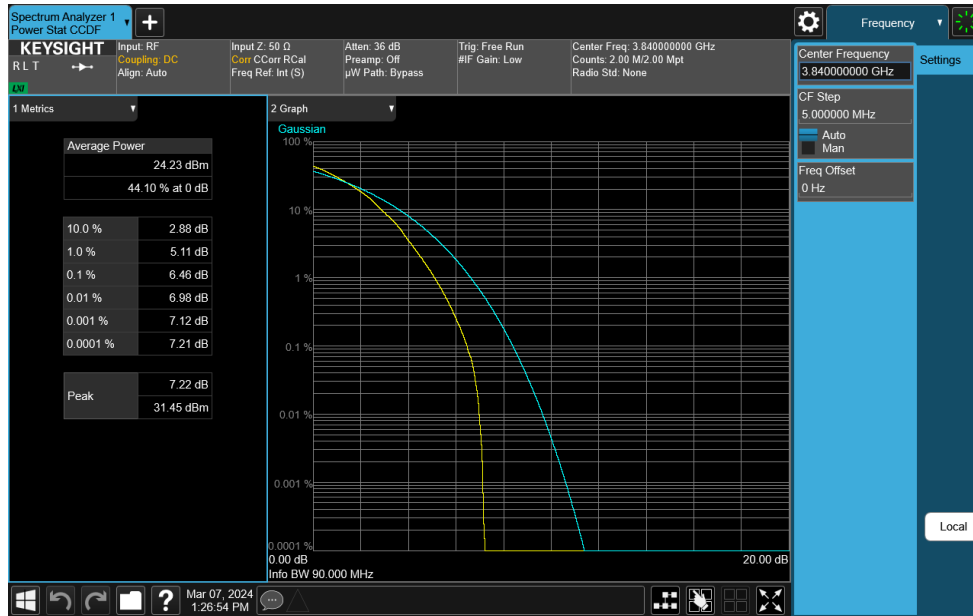


Plot 7-405. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

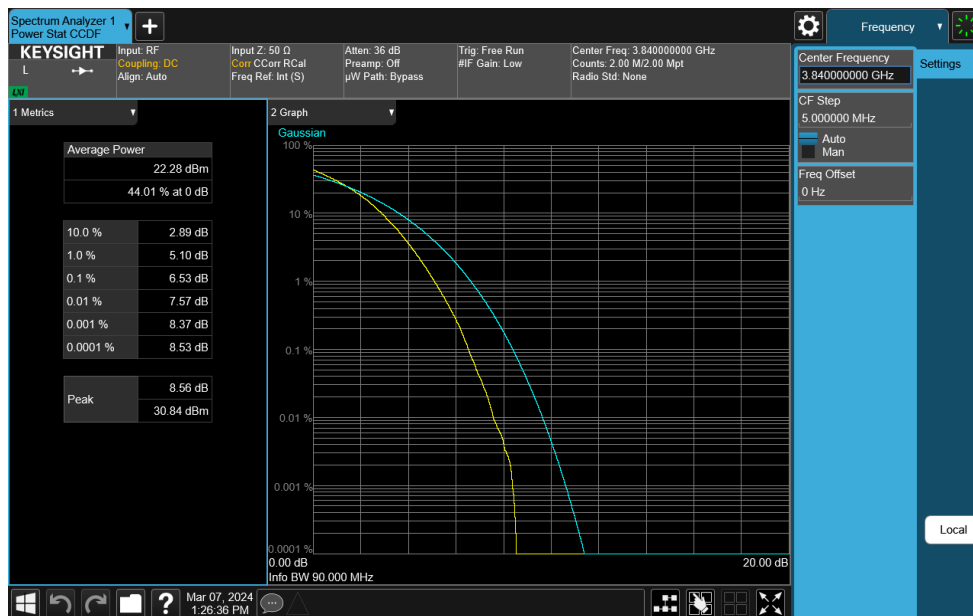
FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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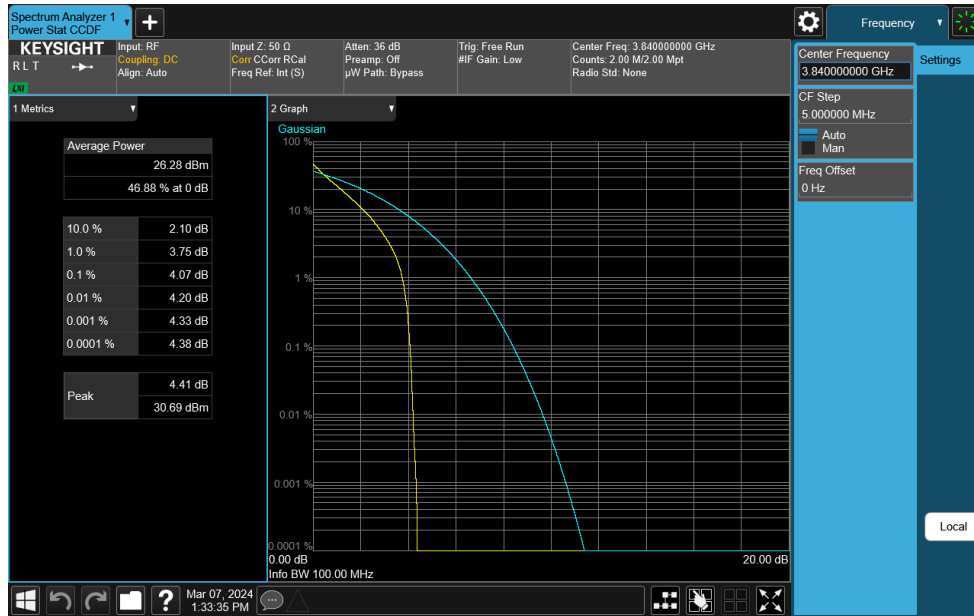


Plot 7-408. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)

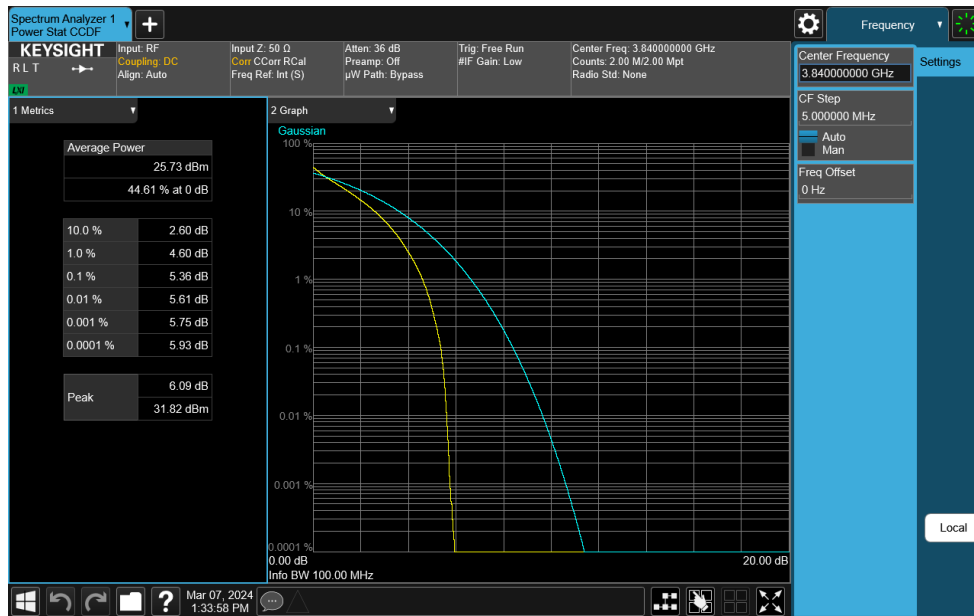


Plot 7-409. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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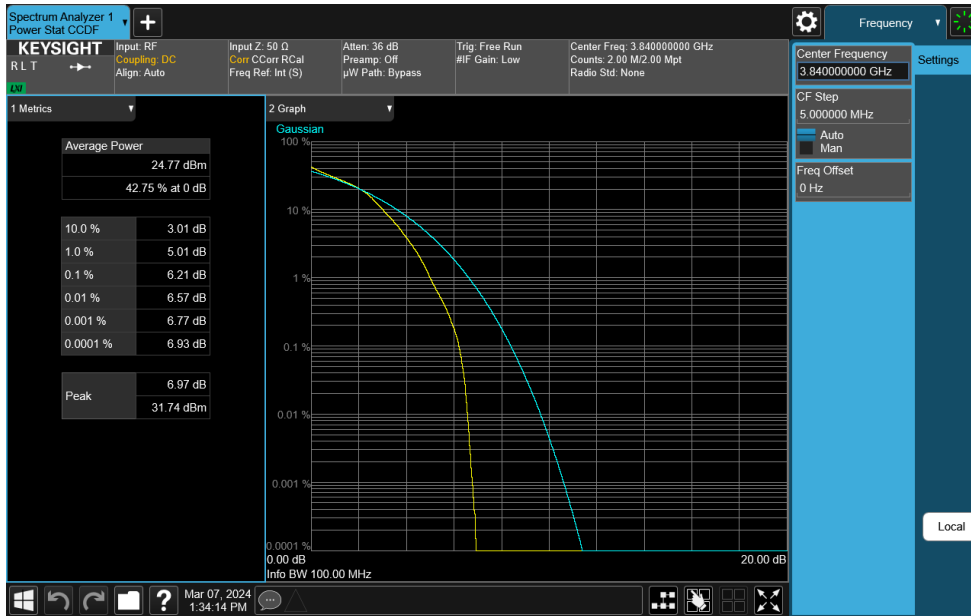


Plot 7-410. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

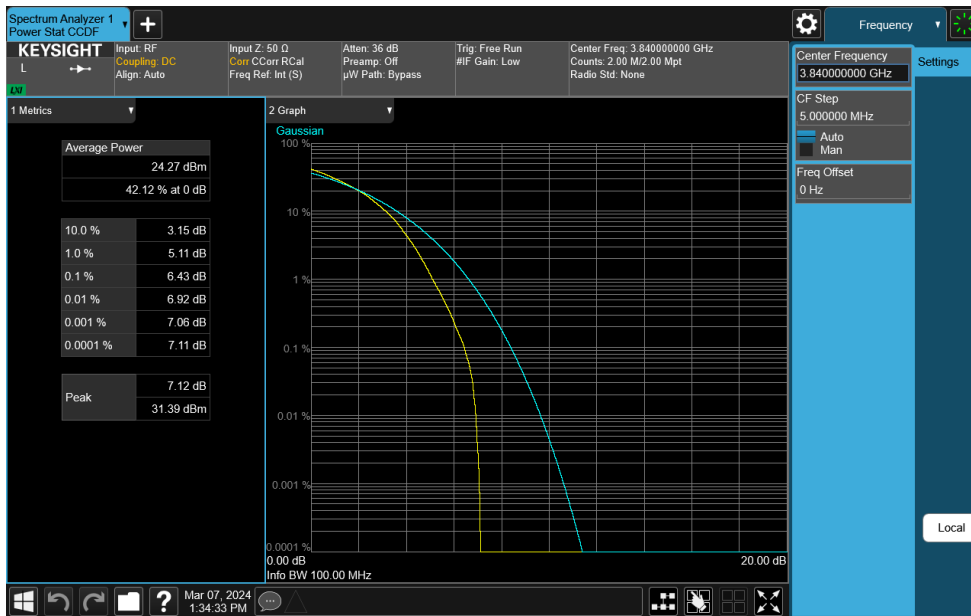


Plot 7-411. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2926	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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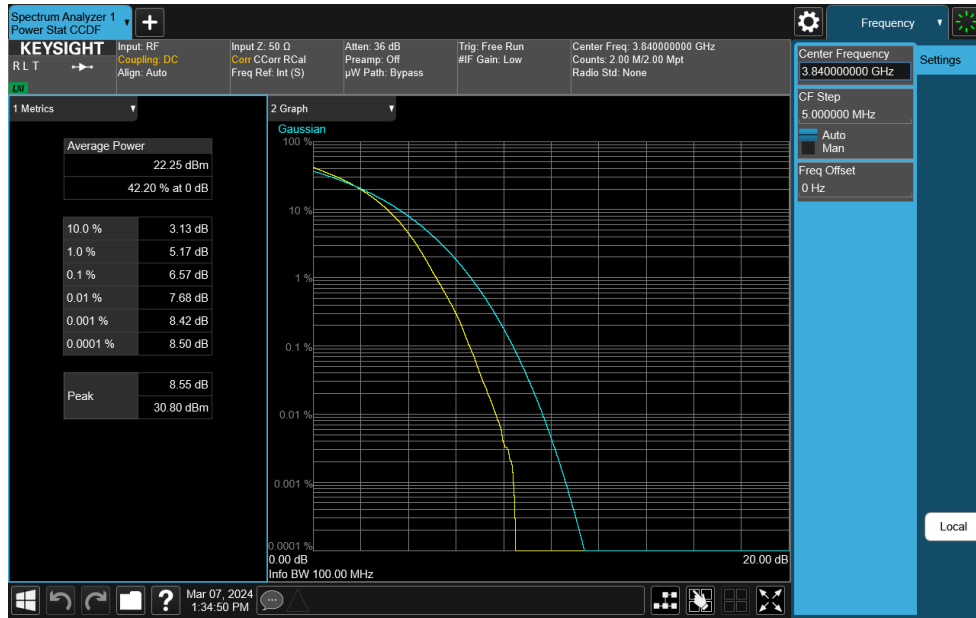


Plot 7-412. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 16-QAM - Full RB)




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

FCC ID: BCGA2926	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:

$$EIRP = P_{Meas} - LC + GT$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as P_{Meas}, typically dBW or dBm)

P_{Meas} = 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.

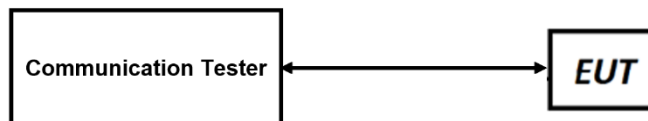



Figure 7-5. EIRP Measurement Setup

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 3 – 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	11/2 BPSK	3455.01	-0.60	1 / 1	27.44	26.84	0.483	30.00	-3.16
		3500.01	-0.60	1 / 22	27.36	26.76	0.474	30.00	-3.24
		3544.98	-0.60	1 / 1	27.47	26.87	0.486	30.00	-3.13
	QPSK	3455.01	-0.60	1 / 22	27.46	26.86	0.485	30.00	-3.14
		3500.01	-0.60	1 / 12	27.50	26.90	0.490	30.00	-3.10
		3544.98	-0.60	1 / 22	27.46	26.86	0.485	30.00	-3.14
	16-QAM	3455.01	-0.60	1 / 12	26.51	25.91	0.390	30.00	-4.09
	64-QAM	3455.01	-0.60	1 / 12	25.53	24.93	0.311	30.00	-5.07
	256-QAM	3455.01	-0.60	1 / 12	22.58	21.98	0.158	30.00	-8.02
	15 MHz	11/2 BPSK	3457.50	-0.60	1 / 36	27.50	26.90	0.490	30.00
3500.01			-0.60	1 / 18	27.32	26.72	0.470	30.00	-3.28
3542.49			-0.60	1 / 18	27.50	26.90	0.490	30.00	-3.10
QPSK		3457.50	-0.60	1 / 1	27.31	26.71	0.469	30.00	-3.29
		3500.01	-0.60	1 / 18	27.33	26.73	0.471	30.00	-3.27
		3542.49	-0.60	1 / 18	27.26	26.66	0.463	30.00	-3.34
16-QAM		3457.50	-0.60	1 / 1	26.40	25.80	0.380	30.00	-4.20
64-QAM		3542.49	-0.60	1 / 1	25.54	24.94	0.312	30.00	-5.06
256-QAM		3542.49	-0.60	1 / 1	22.66	22.06	0.161	30.00	-7.94
20 MHz		11/2 BPSK	3460.02	-0.60	1 / 49	27.36	26.76	0.474	30.00
	3500.01		-0.60	1 / 25	27.50	26.90	0.490	30.00	-3.10
	3540.00		-0.60	1 / 1	27.43	26.83	0.482	30.00	-3.17
	QPSK	3460.02	-0.60	1 / 1	27.46	26.86	0.485	30.00	-3.14
		3500.01	-0.60	1 / 25	27.48	26.88	0.488	30.00	-3.12
		3540.00	-0.60	1 / 1	27.42	26.82	0.481	30.00	-3.18
	16-QAM	3540.00	-0.60	1 / 1	26.49	25.89	0.388	30.00	-4.11
	64-QAM	3460.02	-0.60	1 / 25	25.51	24.91	0.310	30.00	-5.09
	256-QAM	3460.02	-0.60	1 / 49	22.62	22.02	0.159	30.00	-7.98
	30 MHz	11/2 BPSK	3465.00	-0.60	1 / 1	27.46	26.86	0.485	30.00
3500.01			-0.60	1 / 76	27.49	26.89	0.489	30.00	-3.11
3534.99			-0.60	1 / 76	27.36	26.76	0.474	30.00	-3.24
QPSK		3465.00	-0.60	1 / 76	27.25	26.65	0.462	30.00	-3.35
		3500.01	-0.60	1 / 1	27.29	26.69	0.467	30.00	-3.31
		3534.99	-0.60	1 / 1	27.50	26.90	0.490	30.00	-3.10
16-QAM		3534.99	-0.60	1 / 1	26.51	25.91	0.390	30.00	-4.09
64-QAM		3534.99	-0.60	1 / 36	25.42	24.82	0.303	30.00	-5.18
256-QAM		3465.00	-0.60	1 / 76	22.60	22.00	0.158	30.00	-8.00
40 MHz		11/2 BPSK	3470.01	-0.60	1 / 1	27.32	26.72	0.470	30.00
	3500.01		-0.60	1 / 1	27.46	26.86	0.485	30.00	-3.14
	3529.98		-0.60	1 / 50	27.35	26.75	0.473	30.00	-3.25
	QPSK	3470.01	-0.60	1 / 50	27.50	26.90	0.490	30.00	-3.10
		3500.01	-0.60	1 / 104	27.20	26.60	0.457	30.00	-3.40
		3529.98	-0.60	1 / 50	27.34	26.74	0.472	30.00	-3.26
	16-QAM	3470.01	-0.60	1 / 104	26.53	25.93	0.392	30.00	-4.07
	64-QAM	3529.98	-0.60	1 / 104	25.52	24.92	0.310	30.00	-5.08
	256-QAM	3500.01	-0.60	1 / 50	22.54	21.94	0.156	30.00	-8.06
	50 MHz	11/2 BPSK	3475.02	-0.60	1 / 131	27.39	26.79	0.478	30.00
3500.01			-0.60	1 / 1	27.50	26.90	0.490	30.00	-3.10
3525.00			-0.60	1 / 64	27.30	26.70	0.468	30.00	-3.30
QPSK		3475.02	-0.60	1 / 1	27.37	26.77	0.475	30.00	-3.23
		3500.01	-0.60	1 / 131	27.40	26.80	0.479	30.00	-3.20
		3525.00	-0.60	1 / 1	27.31	26.71	0.469	30.00	-3.29
16-QAM		3500.01	-0.60	1 / 131	26.42	25.82	0.382	30.00	-4.18
64-QAM		3475.02	-0.60	1 / 1	25.51	24.91	0.310	30.00	-5.09
256-QAM		3500.01	-0.60	1 / 64	22.50	21.90	0.155	30.00	-8.10
60 MHz		11/2 BPSK	3480.00	-0.60	1 / 81	27.39	26.79	0.478	30.00
	3500.01		-0.60	1 / 81	27.50	26.90	0.490	30.00	-3.10
	3519.99		-0.60	1 / 1	27.41	26.81	0.480	30.00	-3.19
	QPSK	3480.00	-0.60	1 / 81	27.46	26.86	0.485	30.00	-3.14
		3500.01	-0.60	1 / 160	27.33	26.73	0.471	30.00	-3.27
		3519.99	-0.60	1 / 1	27.45	26.85	0.484	30.00	-3.15
	16-QAM	3500.01	-0.60	1 / 81	26.51	25.91	0.390	30.00	-4.09
	64-QAM	3500.01	-0.60	1 / 160	25.49	24.89	0.308	30.00	-5.11
	256-QAM	3480.00	-0.60	1 / 81	22.49	21.89	0.155	30.00	-8.11
	70 MHz	11/2 BPSK	3485.01	-0.60	1 / 187	27.50	26.90	0.490	30.00
3500.01			-0.60	1 / 187	27.39	26.79	0.478	30.00	-3.21
3514.98			-0.60	1 / 187	27.20	26.60	0.457	30.00	-3.40
QPSK		3485.01	-0.60	1 / 1	27.07	26.47	0.444	30.00	-3.53
		3500.01	-0.60	1 / 187	27.49	26.89	0.489	30.00	-3.11
		3514.98	-0.60	1 / 187	27.31	26.71	0.469	30.00	-3.29
16-QAM		3514.98	-0.60	1 / 90	26.41	25.81	0.381	30.00	-4.19
64-QAM		3500.01	-0.60	1 / 1	25.43	24.83	0.304	30.00	-5.17
256-QAM		3500.01	-0.60	1 / 1	22.56	21.96	0.157	30.00	-8.04
80 MHz		11/2 BPSK	3490.02	-0.60	1 / 215	27.39	26.79	0.478	30.00
	3500.01		-0.60	1 / 215	27.50	26.90	0.490	30.00	-3.10
	3510.00		-0.60	1 / 1	27.34	26.74	0.472	30.00	-3.26
	QPSK	3490.02	-0.60	1 / 1	27.49	26.89	0.489	30.00	-3.11
		3500.01	-0.60	1 / 215	27.21	26.61	0.458	30.00	-3.39
		3510.00	-0.60	1 / 1	27.08	26.48	0.445	30.00	-3.52
	16-QAM	3500.01	-0.60	1 / 1	26.35	25.75	0.376	30.00	-4.25
	64-QAM	3510.00	-0.60	1 / 108	25.46	24.86	0.306	30.00	-5.14
	256-QAM	3510.00	-0.60	1 / 108	22.54	21.94	0.156	30.00	-8.06
	90 MHz	11/2 BPSK	3495.00	-0.60	1 / 120	27.38	26.78	0.476	30.00
3500.01			-0.60	1 / 1	27.48	26.88	0.488	30.00	-3.12
3504.99			-0.60	1 / 243	27.41	26.81	0.480	30.00	-3.19
QPSK		3495.00	-0.60	1 / 243	27.42	26.82	0.481	30.00	-3.18
		3500.01	-0.60	1 / 243	27.50	26.90	0.490	30.00	-3.10
		3504.99	-0.60	1 / 243	27.21	26.61	0.458	30.00	-3.39
16-QAM		3504.99	-0.60	1 / 120	26.49	25.89	0.388	30.00	-4.11
64-QAM		3504.99	-0.60	1 / 1	25.50	24.90	0.309	30.00	-5.10
256-QAM		3500.01	-0.60	1 / 120	22.60	22.00	0.158	30.00	-8.00
100 MHz		11/2 BPSK	3500.01	-0.60	1 / 135	27.35	26.75	0.473	30.00
	QPSK	3500.01	-0.60	1 / 271	27.32	26.72	0.470	30.00	-3.28
		3500.01	-0.60	1 / 271	26.37	25.77	0.378	30.00	-4.23
	16-QAM	3500.01	-0.60	1 / 135	25.47	24.87	0.307	30.00	-5.13
	64-QAM	3500.01	-0.60	1 / 135	22.47	21.87	0.154	30.00	-8.13

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 233 of 265

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	-0.60	1 / 1	25.66	25.06	0.321	30.00	-4.94
		3500.01	-0.60	1 / 12	25.50	24.90	0.309	30.00	-5.10
		3544.98	-0.60	1 / 22	25.59	24.99	0.316	30.00	-5.01
	QPSK	3455.01	-0.60	1 / 12	25.70	25.10	0.324	30.00	-4.90
		3500.01	-0.60	1 / 22	25.67	25.07	0.321	30.00	-4.93
		3544.98	-0.60	1 / 1	25.69	25.09	0.323	30.00	-4.91
	16-QAM	3544.98	-0.60	1 / 22	24.70	24.10	0.257	30.00	-5.90
64-QAM	3544.98	-0.60	1 / 12	23.69	23.09	0.204	30.00	-6.91	
256-QAM	3544.98	-0.60	1 / 22	20.79	20.19	0.104	30.00	-9.81	
15 MHz	π/2 BPSK	3457.50	-0.60	1 / 1	25.66	25.06	0.321	30.00	-4.94
		3500.01	-0.60	1 / 1	25.65	25.05	0.320	30.00	-4.95
		3542.49	-0.60	1 / 36	25.70	25.10	0.324	30.00	-4.90
	QPSK	3457.50	-0.60	1 / 1	25.54	24.94	0.312	30.00	-5.06
		3500.01	-0.60	1 / 18	25.59	24.99	0.316	30.00	-5.01
		3542.49	-0.60	1 / 18	25.59	24.99	0.316	30.00	-5.01
	16-QAM	3542.49	-0.60	1 / 1	24.66	24.06	0.255	30.00	-5.94
64-QAM	3457.50	-0.60	1 / 1	23.69	23.09	0.204	30.00	-6.91	
256-QAM	3500.01	-0.60	1 / 36	20.77	20.17	0.104	30.00	-9.83	
20 MHz	π/2 BPSK	3460.02	-0.60	1 / 1	25.51	24.91	0.310	30.00	-5.09
		3500.01	-0.60	1 / 25	25.70	25.10	0.324	30.00	-4.90
		3540.00	-0.60	1 / 1	25.69	25.09	0.323	30.00	-4.91
	QPSK	3460.02	-0.60	1 / 1	25.55	24.95	0.313	30.00	-5.05
		3500.01	-0.60	1 / 49	25.68	25.08	0.322	30.00	-4.92
		3540.00	-0.60	1 / 49	25.67	25.07	0.321	30.00	-4.93
	16-QAM	3540.00	-0.60	1 / 1	24.64	24.04	0.254	30.00	-5.96
64-QAM	3460.02	-0.60	1 / 49	23.63	23.03	0.201	30.00	-6.97	
256-QAM	3460.02	-0.60	1 / 49	20.73	20.13	0.103	30.00	-9.87	
30 MHz	π/2 BPSK	3465.00	-0.60	1 / 36	25.70	25.10	0.324	30.00	-4.90
		3500.01	-0.60	1 / 76	25.58	24.98	0.315	30.00	-5.02
		3534.99	-0.60	1 / 36	25.69	25.09	0.323	30.00	-4.91
	QPSK	3465.00	-0.60	1 / 1	25.70	25.10	0.324	30.00	-4.90
		3500.01	-0.60	1 / 76	25.66	25.06	0.321	30.00	-4.94
		3534.99	-0.60	1 / 76	25.59	24.99	0.316	30.00	-5.01
	16-QAM	3465.00	-0.60	1 / 36	24.68	24.08	0.256	30.00	-5.92
64-QAM	3534.99	-0.60	1 / 1	23.67	23.07	0.203	30.00	-6.93	
256-QAM	3465.00	-0.60	1 / 76	20.75	20.15	0.104	30.00	-9.85	
40 MHz	π/2 BPSK	3470.01	-0.60	1 / 104	25.70	25.10	0.324	30.00	-4.90
		3500.01	-0.60	1 / 104	25.70	25.10	0.324	30.00	-4.90
		3529.98	-0.60	1 / 104	25.66	25.06	0.321	30.00	-4.94
	QPSK	3470.01	-0.60	1 / 104	25.52	24.92	0.310	30.00	-5.08
		3500.01	-0.60	1 / 104	25.52	24.92	0.310	30.00	-5.08
		3529.98	-0.60	1 / 104	25.51	24.91	0.310	30.00	-5.09
	16-QAM	3529.98	-0.60	1 / 104	24.70	24.10	0.257	30.00	-5.90
64-QAM	3529.98	-0.60	1 / 50	23.74	23.14	0.206	30.00	-6.86	
256-QAM	3529.98	-0.60	1 / 1	20.72	20.12	0.103	30.00	-9.88	
50 MHz	π/2 BPSK	3475.02	-0.60	1 / 1	25.65	25.05	0.320	30.00	-4.95
		3500.01	-0.60	1 / 64	25.63	25.03	0.318	30.00	-4.97
		3525.00	-0.60	1 / 1	25.70	25.10	0.324	30.00	-4.90
	QPSK	3475.02	-0.60	1 / 64	25.48	24.88	0.308	30.00	-5.12
		3500.01	-0.60	1 / 1	25.70	25.10	0.324	30.00	-4.90
		3525.00	-0.60	1 / 131	25.60	25.00	0.316	30.00	-5.00
	16-QAM	3500.01	-0.60	1 / 131	24.65	24.05	0.254	30.00	-5.95
64-QAM	3500.01	-0.60	1 / 1	23.60	23.00	0.200	30.00	-7.00	
256-QAM	3525.00	-0.60	1 / 64	20.80	20.20	0.105	30.00	-9.80	
60 MHz	π/2 BPSK	3480.00	-0.60	1 / 160	25.61	25.01	0.317	30.00	-4.99
		3500.01	-0.60	1 / 1	25.41	24.81	0.303	30.00	-5.19
		3519.99	-0.60	1 / 1	25.70	25.10	0.324	30.00	-4.90
	QPSK	3480.00	-0.60	1 / 81	25.53	24.93	0.311	30.00	-5.07
		3500.01	-0.60	1 / 1	25.60	25.00	0.316	30.00	-5.00
		3519.99	-0.60	1 / 160	25.66	25.06	0.321	30.00	-4.94
	16-QAM	3519.99	-0.60	1 / 81	24.71	24.11	0.258	30.00	-5.89
64-QAM	3500.01	-0.60	1 / 160	23.61	23.01	0.200	30.00	-6.99	
256-QAM	3480.00	-0.60	1 / 1	20.69	20.09	0.102	30.00	-9.91	
70 MHz	π/2 BPSK	3485.01	-0.60	1 / 90	25.61	25.01	0.317	30.00	-4.99
		3500.01	-0.60	1 / 187	25.70	25.10	0.324	30.00	-4.90
		3514.98	-0.60	1 / 187	25.50	24.90	0.309	30.00	-5.10
	QPSK	3485.01	-0.60	1 / 187	25.63	25.03	0.318	30.00	-4.97
		3500.01	-0.60	1 / 187	25.63	25.03	0.318	30.00	-4.97
		3514.98	-0.60	1 / 1	25.41	24.81	0.303	30.00	-5.19
	16-QAM	3514.98	-0.60	1 / 90	24.73	24.13	0.259	30.00	-5.87
64-QAM	3514.98	-0.60	1 / 1	23.74	23.14	0.206	30.00	-6.86	
256-QAM	3485.01	-0.60	1 / 90	20.84	20.24	0.106	30.00	-9.76	
80 MHz	π/2 BPSK	3490.02	-0.60	1 / 108	25.70	25.10	0.324	30.00	-4.90
		3500.01	-0.60	1 / 1	25.63	25.03	0.318	30.00	-4.97
		3510.00	-0.60	1 / 108	25.54	24.94	0.312	30.00	-5.06
	QPSK	3490.02	-0.60	1 / 108	25.58	24.98	0.315	30.00	-5.02
		3500.01	-0.60	1 / 215	25.68	25.08	0.322	30.00	-4.92
		3510.00	-0.60	1 / 1	25.54	24.94	0.312	30.00	-5.06
	16-QAM	3500.01	-0.60	1 / 1	24.64	24.04	0.254	30.00	-5.96
64-QAM	3500.01	-0.60	1 / 215	23.65	23.05	0.202	30.00	-6.95	
256-QAM	3510.00	-0.60	1 / 108	20.80	20.20	0.105	30.00	-9.80	
90 MHz	π/2 BPSK	3495.00	-0.60	1 / 1	25.65	25.05	0.320	30.00	-4.95
		3500.01	-0.60	1 / 1	25.47	24.87	0.307	30.00	-5.13
		3504.99	-0.60	1 / 120	25.38	24.78	0.301	30.00	-5.22
	QPSK	3495.00	-0.60	1 / 120	25.62	25.02	0.318	30.00	-4.98
		3500.01	-0.60	1 / 243	25.67	25.07	0.321	30.00	-4.93
		3504.99	-0.60	1 / 1	25.70	25.10	0.324	30.00	-4.90
	16-QAM	3504.99	-0.60	1 / 120	24.69	24.09	0.256	30.00	-5.91
64-QAM	3504.99	-0.60	1 / 243	23.71	23.11	0.205	30.00	-6.89	
256-QAM	3495.00	-0.60	1 / 1	20.73	20.13	0.103	30.00	-9.87	
100 MHz	π/2 BPSK	3500.01	-0.60	1 / 135	25.62	25.02	0.318	30.00	-4.98
		3500.01	-0.60	1 / 135	25.66	25.06	0.321	30.00	-4.94
		3500.01	-0.60	1 / 1	24.75	24.15	0.260	30.00	-5.85
	QPSK	3500.01	-0.60	1 / 1	23.62	23.02	0.200	30.00	-6.98
		3500.01	-0.60	1 / 271	23.62	23.02	0.200	30.00	-6.98
		3500.01	-0.60	1 / 135	20.85	20.25	0.106	30.00	-9.75
	16-QAM	3500.01	-0.60	1 / 135	20.85	20.25	0.106	30.00	-9.75

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 234 of 265

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	-0.30	1 / 1	27.28	26.98	0.499	30.00	-3.02
		3840.00	-0.30	1 / 12	27.29	26.99	0.500	30.00	-3.01
		3975.00	-0.30	1 / 22	27.23	26.93	0.493	30.00	-3.07
	QPSK	3705.00	-0.30	1 / 12	27.26	26.96	0.497	30.00	-3.04
		3840.00	-0.30	1 / 1	27.42	27.12	0.515	30.00	-2.88
		3975.00	-0.30	1 / 12	27.50	27.20	0.525	30.00	-2.80
		16-QAM	3975.00	-0.30	1 / 22	26.38	26.08	0.406	30.00
	64-QAM	3705.00	-0.30	1 / 12	25.46	25.16	0.328	30.00	-4.84
	256-QAM	3840.00	-0.30	1 / 22	22.55	22.25	0.168	30.00	-7.75
	15 MHz	π/2 BPSK	3707.51	-0.30	1 / 1	27.47	27.17	0.521	30.00
3840.00			-0.30	1 / 1	27.41	27.11	0.514	30.00	-2.89
3972.50			-0.30	1 / 1	27.50	27.20	0.525	30.00	-2.80
QPSK		3707.51	-0.30	1 / 36	27.45	27.15	0.519	30.00	-2.85
		3840.00	-0.30	1 / 18	27.42	27.12	0.515	30.00	-2.88
		3972.50	-0.30	1 / 1	27.29	26.99	0.500	30.00	-3.01
		16-QAM	3840.00	-0.30	1 / 36	26.50	26.20	0.417	30.00
64-QAM		3972.50	-0.30	1 / 1	25.45	25.15	0.327	30.00	-4.85
256-QAM		3840.00	-0.30	1 / 36	22.59	22.29	0.169	30.00	-7.71
20 MHz		π/2 BPSK	3710.01	-0.30	1 / 1	27.24	26.94	0.494	30.00
	3840.00		-0.30	1 / 1	27.26	26.96	0.497	30.00	-3.04
	3969.99		-0.30	1 / 1	27.47	27.17	0.521	30.00	-2.83
	QPSK	3710.01	-0.30	1 / 25	27.50	27.20	0.525	30.00	-2.80
		3840.00	-0.30	1 / 49	27.50	27.20	0.525	30.00	-2.80
		3969.99	-0.30	1 / 1	27.32	27.02	0.504	30.00	-2.98
		16-QAM	3710.01	-0.30	1 / 25	26.52	26.22	0.419	30.00
	64-QAM	3710.01	-0.30	1 / 1	25.49	25.19	0.330	30.00	-4.81
	256-QAM	3710.01	-0.30	1 / 25	22.59	22.29	0.169	30.00	-7.71
	30 MHz	π/2 BPSK	3715.02	-0.30	1 / 36	27.42	27.12	0.515	30.00
3840.00			-0.30	1 / 36	27.33	27.03	0.505	30.00	-2.97
3964.98			-0.30	1 / 36	27.23	26.93	0.493	30.00	-3.07
QPSK		3715.02	-0.30	1 / 76	27.23	26.93	0.493	30.00	-3.07
		3840.00	-0.30	1 / 1	27.50	27.20	0.525	30.00	-2.80
		3964.98	-0.30	1 / 76	27.39	27.09	0.512	30.00	-2.91
		16-QAM	3840.00	-0.30	1 / 76	26.48	26.18	0.415	30.00
64-QAM		3715.02	-0.30	1 / 1	25.50	25.20	0.331	30.00	-4.80
256-QAM		3840.00	-0.30	1 / 1	22.58	22.28	0.169	30.00	-7.72
40 MHz		π/2 BPSK	3720.00	-0.30	1 / 50	27.34	27.04	0.506	30.00
	3840.00		-0.30	1 / 1	27.50	27.20	0.525	30.00	-2.80
	3960.00		-0.30	1 / 50	27.40	27.10	0.513	30.00	-2.90
	QPSK	3720.00	-0.30	1 / 1	27.37	27.07	0.509	30.00	-2.93
		3840.00	-0.30	1 / 104	27.46	27.16	0.520	30.00	-2.84
		3960.00	-0.30	1 / 104	27.44	27.14	0.518	30.00	-2.86
		16-QAM	3960.00	-0.30	1 / 104	26.51	26.21	0.418	30.00
	64-QAM	3720.00	-0.30	1 / 104	25.46	25.16	0.328	30.00	-4.84
	256-QAM	3720.00	-0.30	1 / 50	22.51	22.21	0.166	30.00	-7.79
	50 MHz	π/2 BPSK	3725.01	-0.30	1 / 64	27.46	27.16	0.520	30.00
3840.00			-0.30	1 / 64	27.50	27.20	0.525	30.00	-2.80
3954.99			-0.30	1 / 1	27.45	27.15	0.519	30.00	-2.85
QPSK		3725.01	-0.30	1 / 131	27.33	27.03	0.505	30.00	-2.97
		3840.00	-0.30	1 / 131	27.49	27.19	0.524	30.00	-2.81
		3954.99	-0.30	1 / 131	27.49	27.19	0.524	30.00	-2.81
		16-QAM	3954.99	-0.30	1 / 1	26.51	26.21	0.418	30.00
64-QAM		3954.99	-0.30	1 / 64	25.47	25.17	0.329	30.00	-4.83
256-QAM		3725.01	-0.30	1 / 1	22.65	22.35	0.172	30.00	-7.65
60 MHz		π/2 BPSK	3730.02	-0.30	1 / 81	27.41	27.11	0.514	30.00
	3840.00		-0.30	1 / 160	27.48	27.18	0.522	30.00	-2.82
	3949.98		-0.30	1 / 160	27.40	27.10	0.513	30.00	-2.90
	QPSK	3730.02	-0.30	1 / 160	27.44	27.14	0.518	30.00	-2.86
		3840.00	-0.30	1 / 160	27.50	27.20	0.525	30.00	-2.80
		3949.98	-0.30	1 / 160	27.41	27.11	0.514	30.00	-2.89
		16-QAM	3840.00	-0.30	1 / 81	26.52	26.22	0.419	30.00
	64-QAM	3730.02	-0.30	1 / 160	25.52	25.22	0.333	30.00	-4.78
	256-QAM	3730.02	-0.30	1 / 81	22.54	22.24	0.167	30.00	-7.76
	70 MHz	π/2 BPSK	3735.00	-0.30	1 / 187	27.29	26.99	0.500	30.00
3840.00			-0.30	1 / 90	27.34	27.04	0.506	30.00	-2.96
3945.00			-0.30	1 / 1	27.38	27.08	0.511	30.00	-2.92
QPSK		3735.00	-0.30	1 / 90	27.50	27.20	0.525	30.00	-2.80
		3840.00	-0.30	1 / 90	27.36	27.06	0.508	30.00	-2.94
		3945.00	-0.30	1 / 90	27.33	27.03	0.505	30.00	-2.97
		16-QAM	3840.00	-0.30	1 / 187	26.48	26.18	0.415	30.00
64-QAM		3735.00	-0.30	1 / 1	25.49	25.19	0.330	30.00	-4.81
256-QAM		3945.00	-0.30	1 / 1	22.56	22.26	0.168	30.00	-7.74
80 MHz		π/2 BPSK	3740.01	-0.30	1 / 1	27.09	26.79	0.478	30.00
	3840.00		-0.30	1 / 108	27.48	27.18	0.522	30.00	-2.82
	3939.99		-0.30	1 / 108	27.49	27.19	0.524	30.00	-2.81
	QPSK	3740.01	-0.30	1 / 108	27.29	26.99	0.500	30.00	-3.01
		3840.00	-0.30	1 / 1	27.50	27.20	0.525	30.00	-2.80
		3939.99	-0.30	1 / 215	27.34	27.04	0.506	30.00	-2.96
		16-QAM	3840.00	-0.30	1 / 1	26.53	26.23	0.420	30.00
	64-QAM	3840.00	-0.30	1 / 215	25.53	25.23	0.333	30.00	-4.77
	256-QAM	3740.01	-0.30	1 / 215	22.60	22.30	0.170	30.00	-7.70
	90 MHz	π/2 BPSK	3745.02	-0.30	1 / 1	27.39	27.09	0.512	30.00
3840.00			-0.30	1 / 120	27.48	27.18	0.522	30.00	-2.82
3934.98			-0.30	1 / 120	27.24	26.94	0.494	30.00	-3.06
QPSK		3745.02	-0.30	1 / 243	27.50	27.20	0.525	30.00	-2.80
		3840.00	-0.30	1 / 243	27.45	27.15	0.519	30.00	-2.85
		3934.98	-0.30	1 / 243	27.25	26.95	0.495	30.00	-3.05
		16-QAM	3840.00	-0.30	1 / 1	26.47	26.17	0.414	30.00
64-QAM		3934.98	-0.30	1 / 120	25.48	25.18	0.330	30.00	-4.82
256-QAM		3745.02	-0.30	1 / 243	22.51	22.21	0.166	30.00	-7.79
100 MHz		π/2 BPSK	3750.00	-0.30	1 / 271	27.50	27.20	0.525	30.00
	3840.00		-0.30	1 / 271	27.31	27.01	0.502	30.00	-2.99
	3930.00		-0.30	1 / 1	27.33	27.03	0.505	30.00	-2.97
	QPSK	3750.00	-0.30	1 / 271	27.33	27.03	0.505	30.00	-2.97
		3840.00	-0.30	1 / 1	27.45	27.15	0.519	30.00	-2.85
		3930.00	-0.30	1 / 271	27.45	27.15	0.519	30.00	-2.85
		16-QAM	3840.00	-0.30	1 / 1	26.50	26.20	0.417	30.00
	64-QAM	3840.00	-0.30	1 / 1	25.45	25.15	0.327	30.00	-4.85
	256-QAM	3750.00	-0.30	1 / 1	22.55	22.25	0.168	30.00	-7.75

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 235 of 265



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	-0.30	1 / 22	25.70	25.40	0.347	30.00	-4.60	
		3840.00	-0.30	1 / 22	25.69	25.39	0.346	30.00	-4.61	
		3975.00	-0.30	1 / 22	25.69	25.39	0.346	30.00	-4.61	
	QPSK	3705.00	-0.30	1 / 12	25.69	25.39	0.346	30.00	-4.61	
		3840.00	-0.30	1 / 22	25.44	25.14	0.327	30.00	-4.86	
		3975.00	-0.30	1 / 12	25.70	25.40	0.347	30.00	-4.60	
	16-QAM	3840.00	-0.30	1 / 22	24.65	24.35	0.272	30.00	-5.65	
		64-QAM	3975.00	-0.30	1 / 12	23.66	23.36	0.217	30.00	-6.64
		256-QAM	3705.00	-0.30	1 / 12	20.80	20.50	0.112	30.00	-9.50
		3707.51	-0.30	1 / 1	25.41	25.11	0.324	30.00	-4.89	
15 MHz	π/2 BPSK	3840.00	-0.30	1 / 18	25.70	25.40	0.347	30.00	-4.60	
		3972.50	-0.30	1 / 18	25.66	25.36	0.344	30.00	-4.64	
		3707.51	-0.30	1 / 18	25.51	25.21	0.332	30.00	-4.79	
	QPSK	3840.00	-0.30	1 / 1	25.70	25.40	0.347	30.00	-4.60	
		3972.50	-0.30	1 / 1	25.53	25.23	0.333	30.00	-4.77	
		3840.00	-0.30	1 / 36	24.68	24.38	0.274	30.00	-5.62	
	16-QAM	3840.00	-0.30	1 / 36	23.66	23.36	0.217	30.00	-6.64	
		256-QAM	3707.51	-0.30	1 / 36	20.74	20.44	0.111	30.00	-9.56
		3710.01	-0.30	1 / 25	25.62	25.32	0.340	30.00	-4.68	
		3969.99	-0.30	1 / 25	25.68	25.38	0.345	30.00	-4.62	
20 MHz	π/2 BPSK	3840.00	-0.30	1 / 25	25.70	25.40	0.347	30.00	-4.60	
		3710.01	-0.30	1 / 49	25.59	25.29	0.338	30.00	-4.71	
		3969.99	-0.30	1 / 49	25.26	24.96	0.313	30.00	-5.04	
	QPSK	3969.99	-0.30	1 / 49	25.63	25.33	0.341	30.00	-4.67	
		3710.01	-0.30	1 / 25	24.61	24.31	0.270	30.00	-5.69	
		64-QAM	3969.99	-0.30	1 / 49	23.69	23.39	0.218	30.00	-6.61
	16-QAM	256-QAM	3969.99	-0.30	1 / 1	20.79	20.49	0.112	30.00	-9.51
		3715.02	-0.30	1 / 36	25.68	25.38	0.345	30.00	-4.62	
		3840.00	-0.30	1 / 36	25.69	25.39	0.346	30.00	-4.61	
		3964.98	-0.30	1 / 1	25.70	25.40	0.347	30.00	-4.60	
30 MHz	π/2 BPSK	3715.02	-0.30	1 / 36	25.62	25.32	0.340	30.00	-4.68	
		3840.00	-0.30	1 / 1	25.44	25.14	0.327	30.00	-4.86	
		3964.98	-0.30	1 / 36	25.70	25.40	0.347	30.00	-4.60	
	QPSK	3964.98	-0.30	1 / 36	24.69	24.39	0.275	30.00	-5.61	
		64-QAM	3715.02	-0.30	1 / 76	23.69	23.39	0.218	30.00	-6.61
		256-QAM	3964.98	-0.30	1 / 76	20.72	20.42	0.110	30.00	-9.58
	40 MHz	π/2 BPSK	3720.00	-0.30	1 / 50	25.66	25.36	0.344	30.00	-4.64
			3840.00	-0.30	1 / 104	25.61	25.31	0.340	30.00	-4.69
			3960.00	-0.30	1 / 50	25.70	25.40	0.347	30.00	-4.60
		QPSK	3720.00	-0.30	1 / 1	25.40	25.10	0.324	30.00	-4.90
3840.00			-0.30	1 / 104	25.55	25.25	0.335	30.00	-4.75	
3960.00			-0.30	1 / 1	25.67	25.37	0.344	30.00	-4.63	
16-QAM		3840.00	-0.30	1 / 104	24.72	24.42	0.277	30.00	-5.58	
		64-QAM	3720.00	-0.30	1 / 104	23.73	23.43	0.220	30.00	-6.57
		256-QAM	3960.00	-0.30	1 / 50	20.83	20.53	0.113	30.00	-9.47
		3725.01	-0.30	1 / 131	25.63	25.33	0.341	30.00	-4.67	
50 MHz	π/2 BPSK	3840.00	-0.30	1 / 131	25.70	25.40	0.347	30.00	-4.60	
		3954.99	-0.30	1 / 64	25.59	25.29	0.338	30.00	-4.71	
		3725.01	-0.30	1 / 64	25.68	25.38	0.345	30.00	-4.62	
	QPSK	3954.99	-0.30	1 / 64	25.46	25.16	0.328	30.00	-4.84	
		3840.00	-0.30	1 / 131	25.69	25.39	0.346	30.00	-4.61	
		3954.99	-0.30	1 / 64	25.46	25.16	0.328	30.00	-4.84	
	16-QAM	3725.01	-0.30	1 / 64	24.49	24.19	0.262	30.00	-5.81	
		64-QAM	3840.00	-0.30	1 / 64	23.69	23.39	0.218	30.00	-6.61
		256-QAM	3954.99	-0.30	1 / 131	20.75	20.45	0.111	30.00	-9.55
		3730.02	-0.30	1 / 160	25.31	25.01	0.317	30.00	-4.99	
60 MHz	π/2 BPSK	3840.00	-0.30	1 / 81	25.31	25.01	0.317	30.00	-4.99	
		3949.98	-0.30	1 / 1	25.66	25.36	0.344	30.00	-4.64	
		3730.02	-0.30	1 / 81	25.67	25.37	0.344	30.00	-4.63	
	QPSK	3840.00	-0.30	1 / 1	25.70	25.40	0.347	30.00	-4.60	
		3949.98	-0.30	1 / 81	25.52	25.22	0.333	30.00	-4.78	
		3840.00	-0.30	1 / 1	24.70	24.40	0.275	30.00	-5.60	
	16-QAM	64-QAM	3840.00	-0.30	1 / 160	23.68	23.38	0.218	30.00	-6.62
		256-QAM	3730.02	-0.30	1 / 1	20.80	20.50	0.112	30.00	-9.50
		3735.00	-0.30	1 / 90	25.43	25.13	0.326	30.00	-4.87	
		3840.00	-0.30	1 / 187	25.65	25.35	0.343	30.00	-4.65	
70 MHz	π/2 BPSK	3945.00	-0.30	1 / 1	25.70	25.40	0.347	30.00	-4.60	
		3735.00	-0.30	1 / 187	25.52	25.22	0.333	30.00	-4.78	
		3840.00	-0.30	1 / 90	25.56	25.26	0.336	30.00	-4.74	
	QPSK	3945.00	-0.30	1 / 187	25.68	25.38	0.345	30.00	-4.62	
		3840.00	-0.30	1 / 1	24.65	24.35	0.272	30.00	-5.65	
		64-QAM	3945.00	-0.30	1 / 187	23.60	23.30	0.214	30.00	-6.70
	16-QAM	256-QAM	3735.00	-0.30	1 / 187	20.77	20.47	0.111	30.00	-9.53
		3740.01	-0.30	1 / 1	25.70	25.40	0.347	30.00	-4.60	
		3840.00	-0.30	1 / 1	25.42	25.12	0.325	30.00	-4.88	
		3939.99	-0.30	1 / 1	25.67	25.37	0.344	30.00	-4.63	
80 MHz	π/2 BPSK	3840.00	-0.30	1 / 1	25.58	25.28	0.337	30.00	-4.72	
		3840.00	-0.30	1 / 215	25.56	25.26	0.336	30.00	-4.74	
		3939.99	-0.30	1 / 215	25.68	25.38	0.345	30.00	-4.62	
	QPSK	3840.00	-0.30	1 / 108	24.72	24.42	0.277	30.00	-5.58	
		64-QAM	3939.99	-0.30	1 / 215	23.70	23.40	0.219	30.00	-6.60
		256-QAM	3740.01	-0.30	1 / 1	20.82	20.52	0.113	30.00	-9.48
	90 MHz	π/2 BPSK	3745.02	-0.30	1 / 1	25.59	25.29	0.338	30.00	-4.71
			3840.00	-0.30	1 / 1	25.70	25.40	0.347	30.00	-4.60
			3934.98	-0.30	1 / 243	25.43	25.13	0.326	30.00	-4.87
		QPSK	3745.02	-0.30	1 / 1	25.59	25.29	0.338	30.00	-4.71
3840.00			-0.30	1 / 120	25.62	25.32	0.340	30.00	-4.68	
3934.98			-0.30	1 / 120	25.50	25.20	0.331	30.00	-4.80	
16-QAM		3745.02	-0.30	1 / 120	24.70	24.40	0.275	30.00	-5.60	
		64-QAM	3840.00	-0.30	1 / 120	23.60	23.30	0.214	30.00	-6.70
		256-QAM	3934.98	-0.30	1 / 120	20.80	20.50	0.112	30.00	-9.50
		3750.00	-0.30	1 / 271	25.66	25.36	0.344	30.00	-4.64	
100 MHz	π/2 BPSK	3840.00	-0.30	1 / 1	25.43	25.13	0.326	30.00	-4.87	
		3930.00	-0.30	1 / 1	25.70	25.40	0.347	30.00	-4.60	
		3750.00	-0.30	1 / 271	25.61	25.31	0.340	30.00	-4.69	
	QPSK	3840.00	-0.30	1 / 135	25.57	25.27	0.337	30.00	-4.73	
		3930.00	-0.30	1 / 1	25.42	25.12	0.325	30.00	-4.88	
		3930.00	-0.30	1 / 271	24.53	24.23	0.265	30.00	-5.77	
	16-QAM	64-QAM	3750.00	-0.30	1 / 135	23.65	23.35	0.216	30.00	-6.65
		256-QAM	3750.00	-0.30	1 / 1	20.80	20.50	0.112	30.00	-9.50

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 236 of 265

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7.6.2 Antenna 1 – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.50	1 / 12	23.46	24.96	0.313	30.00	-5.04
		3500.01	1.50	1 / 1	23.38	24.88	0.308	30.00	-5.12
		3544.98	1.50	1 / 22	23.37	24.87	0.307	30.00	-5.13
	QPSK	3455.01	1.50	1 / 22	23.43	24.93	0.311	30.00	-5.07
		3500.01	1.50	1 / 12	23.27	24.77	0.300	30.00	-5.23
		3544.98	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
	16-QAM	3544.98	1.50	1 / 22	22.50	24.00	0.251	30.00	-6.00
	64-QAM	3455.01	1.50	1 / 1	21.45	22.95	0.197	30.00	-7.05
	256-QAM	3500.01	1.50	1 / 12	18.55	20.05	0.101	30.00	-9.95
	15 MHz	π/2 BPSK	3457.50	1.50	1 / 36	23.24	24.74	0.298	30.00
3500.01			1.50	1 / 36	23.31	24.81	0.303	30.00	-5.19
3542.49			1.50	1 / 18	23.43	24.93	0.311	30.00	-5.07
QPSK		3457.50	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
		3500.01	1.50	1 / 18	23.46	24.96	0.313	30.00	-5.04
		3542.49	1.50	1 / 36	23.40	24.90	0.309	30.00	-5.10
16-QAM		3542.49	1.50	1 / 1	22.52	24.02	0.252	30.00	-5.98
64-QAM		3542.49	1.50	1 / 1	21.50	23.00	0.200	30.00	-7.00
256-QAM		3500.01	1.50	1 / 1	18.61	20.11	0.103	30.00	-9.89
20 MHz		π/2 BPSK	3460.02	1.50	1 / 49	23.36	24.86	0.306	30.00
	3500.01		1.50	1 / 25	23.36	24.86	0.306	30.00	-5.14
	3540.00		1.50	1 / 49	23.29	24.79	0.301	30.00	-5.21
	QPSK	3460.02	1.50	1 / 25	23.48	24.98	0.315	30.00	-5.02
		3500.01	1.50	1 / 49	23.50	25.00	0.316	30.00	-5.00
		3540.00	1.50	1 / 1	23.44	24.94	0.312	30.00	-5.06
	16-QAM	3500.01	1.50	1 / 49	22.50	24.00	0.251	30.00	-6.00
	64-QAM	3500.01	1.50	1 / 49	21.49	22.99	0.199	30.00	-7.01
	256-QAM	3500.01	1.50	1 / 25	18.59	20.09	0.102	30.00	-9.91
	30 MHz	π/2 BPSK	3465.00	1.50	1 / 76	23.50	25.00	0.316	30.00
3500.01			1.50	1 / 76	23.47	24.97	0.314	30.00	-5.03
3534.99			1.50	1 / 36	23.42	24.92	0.310	30.00	-5.08
QPSK		3465.00	1.50	1 / 76	23.46	24.96	0.313	30.00	-5.04
		3500.01	1.50	1 / 36	23.46	24.96	0.313	30.00	-5.04
		3534.99	1.50	1 / 36	23.37	24.87	0.307	30.00	-5.13
16-QAM		3465.00	1.50	1 / 1	22.52	24.02	0.252	30.00	-5.98
64-QAM		3500.01	1.50	1 / 76	21.48	22.98	0.199	30.00	-7.02
256-QAM		3465.00	1.50	1 / 76	18.60	20.10	0.102	30.00	-9.90
40 MHz		π/2 BPSK	3470.01	1.50	1 / 1	23.30	24.80	0.302	30.00
	3500.01		1.50	1 / 1	23.26	24.76	0.299	30.00	-5.24
	3529.98		1.50	1 / 104	23.24	24.74	0.298	30.00	-5.26
	QPSK	3470.01	1.50	1 / 104	23.45	24.95	0.313	30.00	-5.05
		3500.01	1.50	1 / 104	23.40	24.90	0.309	30.00	-5.10
		3529.98	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
	16-QAM	3500.01	1.50	1 / 50	22.38	23.88	0.244	30.00	-6.12
	64-QAM	3470.01	1.50	1 / 1	21.48	22.98	0.199	30.00	-7.02
	256-QAM	3529.98	1.50	1 / 1	18.59	20.09	0.102	30.00	-9.91
	50 MHz	π/2 BPSK	3475.02	1.50	1 / 131	23.50	25.00	0.316	30.00
3500.01			1.50	1 / 64	23.49	24.99	0.316	30.00	-5.01
3525.00			1.50	1 / 64	23.40	24.90	0.309	30.00	-5.10
QPSK		3475.02	1.50	1 / 64	23.44	24.94	0.312	30.00	-5.06
		3500.01	1.50	1 / 64	23.27	24.77	0.300	30.00	-5.23
		3525.00	1.50	1 / 1	23.48	24.98	0.315	30.00	-5.02
16-QAM		3525.00	1.50	1 / 64	22.51	24.01	0.252	30.00	-5.99
64-QAM		3500.01	1.50	1 / 131	21.52	23.02	0.200	30.00	-6.98
256-QAM		3475.02	1.50	1 / 1	18.57	20.07	0.102	30.00	-9.93
60 MHz		π/2 BPSK	3480.00	1.50	1 / 81	23.35	24.85	0.305	30.00
	3500.01		1.50	1 / 160	23.24	24.74	0.298	30.00	-5.26
	3519.99		1.50	1 / 160	23.46	24.96	0.313	30.00	-5.04
	QPSK	3480.00	1.50	1 / 160	23.29	24.79	0.301	30.00	-5.21
		3500.01	1.50	1 / 160	23.47	24.97	0.314	30.00	-5.03
		3519.99	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
	16-QAM	3480.00	1.50	1 / 81	22.48	23.98	0.250	30.00	-6.02
	64-QAM	3519.99	1.50	1 / 1	21.49	22.99	0.199	30.00	-7.01
	256-QAM	3500.01	1.50	1 / 160	18.61	20.11	0.103	30.00	-9.89
	70 MHz	π/2 BPSK	3485.01	1.50	1 / 1	23.48	24.98	0.315	30.00
3500.01			1.50	1 / 1	23.46	24.96	0.313	30.00	-5.04
3514.98			1.50	1 / 90	23.48	24.98	0.315	30.00	-5.05
QPSK		3485.01	1.50	1 / 187	23.45	24.95	0.313	30.00	-5.02
		3500.01	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
		3514.98	1.50	1 / 90	23.33	24.83	0.304	30.00	-5.17
16-QAM		3514.98	1.50	1 / 90	22.47	23.97	0.249	30.00	-6.03
64-QAM		3514.98	1.50	1 / 187	21.41	22.91	0.195	30.00	-7.09
256-QAM		3485.01	1.50	1 / 90	18.51	20.01	0.100	30.00	-9.99
80 MHz		π/2 BPSK	3490.02	1.50	1 / 215	23.36	24.86	0.306	30.00
	3500.01		1.50	1 / 108	23.30	24.80	0.302	30.00	-5.20
	3510.00		1.50	1 / 1	23.40	24.90	0.309	30.00	-5.10
	QPSK	3490.02	1.50	1 / 215	23.29	24.79	0.301	30.00	-5.21
		3500.01	1.50	1 / 108	23.44	24.94	0.312	30.00	-5.06
		3510.00	1.50	1 / 108	23.50	25.00	0.316	30.00	-5.00
	16-QAM	3500.01	1.50	1 / 1	22.46	23.96	0.249	30.00	-6.04
	64-QAM	3510.00	1.50	1 / 108	21.49	22.99	0.199	30.00	-7.01
	256-QAM	3490.02	1.50	1 / 1	18.51	20.01	0.100	30.00	-9.99
	90 MHz	π/2 BPSK	3495.00	1.50	1 / 1	23.46	24.96	0.313	30.00
3500.01			1.50	1 / 1	23.29	24.79	0.301	30.00	-5.21
3504.99			1.50	1 / 243	23.50	25.00	0.316	30.00	-5.00
QPSK		3495.00	1.50	1 / 243	23.32	24.82	0.303	30.00	-5.18
		3500.01	1.50	1 / 243	23.27	24.77	0.300	30.00	-5.23
		3504.99	1.50	1 / 120	23.18	24.68	0.294	30.00	-5.32
16-QAM		3500.01	1.50	1 / 120	22.42	23.92	0.247	30.00	-6.08
64-QAM		3504.99	1.50	1 / 1	21.50	23.00	0.200	30.00	-7.00
256-QAM		3500.01	1.50	1 / 120	18.56	20.06	0.101	30.00	-9.94
100 MHz		π/2 BPSK	3500.01	1.50	1 / 271	23.42	24.92	0.310	30.00
	3500.01		1.50	1 / 135	23.39	24.89	0.308	30.00	-5.11
	QPSK	3500.01	1.50	1 / 271	22.39	23.89	0.245	30.00	-6.11
		3500.01	1.50	1 / 135	21.38	22.88	0.194	30.00	-7.12
	256-QAM	3500.01	1.50	1 / 1	18.52	20.02	0.100	30.00	-9.98

Table 7-6. Antenna 1 EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 237 of 265

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
		3500.01	1.50	1 / 22	23.21	24.71	0.296	30.00	-5.29
		3544.98	1.50	1 / 1	23.26	24.76	0.299	30.00	-5.24
	QPSK	3455.01	1.50	1 / 22	23.45	24.95	0.313	30.00	-5.05
		3500.01	1.50	1 / 1	23.43	24.93	0.311	30.00	-5.07
		3544.98	1.50	1 / 1	23.46	24.96	0.313	30.00	-5.04
16-QAM	3455.01	1.50	1 / 22	22.53	24.03	0.253	30.00	-5.97	
64-QAM	3455.01	1.50	1 / 1	21.50	23.00	0.200	30.00	-7.00	
256-QAM	3544.98	1.50	1 / 22	18.63	20.13	0.103	30.00	-9.87	
15 MHz	π/2 BPSK	3457.50	1.50	1 / 18	23.40	24.90	0.309	30.00	-5.10
		3500.01	1.50	1 / 18	23.16	24.66	0.292	30.00	-5.34
		3542.49	1.50	1 / 1	23.47	24.97	0.314	30.00	-5.03
	QPSK	3457.50	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
		3500.01	1.50	1 / 36	23.36	24.86	0.306	30.00	-5.14
		3542.49	1.50	1 / 36	23.42	24.92	0.310	30.00	-5.08
16-QAM	3500.01	1.50	1 / 36	22.47	23.97	0.249	30.00	-6.03	
64-QAM	3542.49	1.50	1 / 36	21.52	23.02	0.200	30.00	-6.98	
256-QAM	3542.49	1.50	1 / 36	18.60	20.10	0.102	30.00	-9.90	
20 MHz	π/2 BPSK	3460.02	1.50	1 / 49	23.37	24.87	0.307	30.00	-5.13
		3500.01	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
		3540.00	1.50	1 / 49	23.45	24.95	0.313	30.00	-5.05
	QPSK	3460.02	1.50	1 / 49	23.35	24.85	0.305	30.00	-5.15
		3500.01	1.50	1 / 25	23.18	24.68	0.294	30.00	-5.32
		3540.00	1.50	1 / 25	23.50	25.00	0.316	30.00	-5.00
16-QAM	3460.02	1.50	1 / 49	22.46	23.96	0.249	30.00	-6.04	
64-QAM	3460.02	1.50	1 / 1	21.42	22.92	0.196	30.00	-7.08	
256-QAM	3460.02	1.50	1 / 25	18.53	20.03	0.101	30.00	-9.97	
30 MHz	π/2 BPSK	3465.00	1.50	1 / 76	23.42	24.92	0.310	30.00	-5.08
		3500.01	1.50	1 / 36	23.50	25.00	0.316	30.00	-5.00
		3534.99	1.50	1 / 36	23.50	25.00	0.316	30.00	-5.00
	QPSK	3465.00	1.50	1 / 36	23.39	24.89	0.308	30.00	-5.11
		3500.01	1.50	1 / 36	23.48	24.98	0.315	30.00	-5.02
		3534.99	1.50	1 / 76	23.50	25.00	0.316	30.00	-5.00
16-QAM	3534.99	1.50	1 / 76	22.48	23.98	0.250	30.00	-6.02	
64-QAM	3500.01	1.50	1 / 36	21.46	22.96	0.198	30.00	-7.04	
256-QAM	3500.01	1.50	1 / 1	18.59	20.09	0.102	30.00	-9.91	
40 MHz	π/2 BPSK	3470.01	1.50	1 / 50	23.42	24.92	0.310	30.00	-5.08
		3500.01	1.50	1 / 104	23.44	24.94	0.312	30.00	-5.06
		3529.98	1.50	1 / 104	23.48	24.98	0.315	30.00	-5.02
	QPSK	3470.01	1.50	1 / 1	23.27	24.77	0.300	30.00	-5.23
		3500.01	1.50	1 / 104	23.34	24.84	0.305	30.00	-5.16
		3529.98	1.50	1 / 50	23.50	25.00	0.316	30.00	-5.00
16-QAM	3529.98	1.50	1 / 104	22.48	23.98	0.250	30.00	-6.02	
64-QAM	3470.01	1.50	1 / 1	21.41	22.91	0.195	30.00	-7.09	
256-QAM	3500.01	1.50	1 / 50	18.57	20.07	0.102	30.00	-9.93	
50 MHz	π/2 BPSK	3475.02	1.50	1 / 1	23.44	24.94	0.312	30.00	-5.06
		3500.01	1.50	1 / 131	23.49	24.99	0.316	30.00	-5.01
		3525.00	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
	QPSK	3475.02	1.50	1 / 64	23.41	24.91	0.310	30.00	-5.09
		3500.01	1.50	1 / 1	23.35	24.85	0.305	30.00	-5.15
		3525.00	1.50	1 / 131	23.48	24.98	0.315	30.00	-5.02
16-QAM	3475.02	1.50	1 / 131	22.44	23.94	0.248	30.00	-6.06	
64-QAM	3500.01	1.50	1 / 64	21.40	22.90	0.195	30.00	-7.10	
256-QAM	3475.02	1.50	1 / 64	18.58	20.08	0.102	30.00	-9.92	
60 MHz	π/2 BPSK	3480.00	1.50	1 / 160	23.21	24.71	0.296	30.00	-5.29
		3500.01	1.50	1 / 1	23.50	25.00	0.316	30.00	-5.00
		3519.99	1.50	1 / 81	23.48	24.98	0.315	30.00	-5.02
	QPSK	3480.00	1.50	1 / 160	23.29	24.79	0.301	30.00	-5.21
		3500.01	1.50	1 / 1	23.48	24.98	0.315	30.00	-5.02
		3519.99	1.50	1 / 81	23.40	24.90	0.309	30.00	-5.10
16-QAM	3519.99	1.50	1 / 81	22.49	23.99	0.251	30.00	-6.01	
64-QAM	3480.00	1.50	1 / 81	21.54	23.04	0.201	30.00	-6.96	
256-QAM	3519.99	1.50	1 / 1	18.51	20.01	0.100	30.00	-9.99	
70 MHz	π/2 BPSK	3485.01	1.50	1 / 90	23.46	24.96	0.313	30.00	-5.04
		3500.01	1.50	1 / 1	23.48	24.98	0.315	30.00	-5.02
		3514.98	1.50	1 / 90	23.38	24.88	0.308	30.00	-5.12
	QPSK	3485.01	1.50	1 / 187	23.27	24.77	0.300	30.00	-5.23
		3500.01	1.50	1 / 187	23.50	25.00	0.316	30.00	-5.00
		3514.98	1.50	1 / 187	23.48	24.98	0.315	30.00	-5.02
16-QAM	3514.98	1.50	1 / 90	22.49	23.99	0.251	30.00	-6.01	
64-QAM	3500.01	1.50	1 / 1	21.47	22.97	0.198	30.00	-7.03	
256-QAM	3500.01	1.50	1 / 90	18.54	20.04	0.101	30.00	-9.96	
80 MHz	π/2 BPSK	3490.02	1.50	1 / 108	23.34	24.84	0.305	30.00	-5.16
		3500.01	1.50	1 / 215	23.47	24.97	0.314	30.00	-5.03
		3510.00	1.50	1 / 1	23.25	24.75	0.299	30.00	-5.25
	QPSK	3490.02	1.50	1 / 215	23.38	24.88	0.308	30.00	-5.12
		3500.01	1.50	1 / 108	23.50	25.00	0.316	30.00	-5.00
		3510.00	1.50	1 / 108	23.33	24.83	0.304	30.00	-5.17
16-QAM	3510.00	1.50	1 / 1	22.51	24.01	0.252	30.00	-5.99	
64-QAM	3510.00	1.50	1 / 215	21.51	23.01	0.200	30.00	-6.99	
256-QAM	3500.01	1.50	1 / 108	18.58	20.08	0.102	30.00	-9.92	
90 MHz	π/2 BPSK	3495.00	1.50	1 / 243	23.38	24.88	0.308	30.00	-5.12
		3500.01	1.50	1 / 1	23.23	24.73	0.297	30.00	-5.27
		3504.99	1.50	1 / 1	23.16	24.66	0.292	30.00	-5.34
	QPSK	3495.00	1.50	1 / 243	23.50	25.00	0.316	30.00	-5.00
		3500.01	1.50	1 / 1	23.28	24.78	0.301	30.00	-5.22
		3504.99	1.50	1 / 120	23.45	24.95	0.313	30.00	-5.05
16-QAM	3495.00	1.50	1 / 120	22.54	24.04	0.254	30.00	-5.96	
64-QAM	3495.00	1.50	1 / 243	21.56	23.06	0.202	30.00	-6.94	
256-QAM	3495.00	1.50	1 / 243	18.52	20.02	0.100	30.00	-9.98	
100 MHz	π/2 BPSK	3500.01	1.50	1 / 271	23.38	24.88	0.308	30.00	-5.12
		3500.01	1.50	1 / 135	23.21	24.71	0.296	30.00	-5.29
		3500.01	1.50	1 / 1	22.44	23.94	0.248	30.00	-6.06
	QPSK	3500.01	1.50	1 / 1	21.48	22.98	0.199	30.00	-7.02
		3500.01	1.50	1 / 1	18.50	20.00	0.100	30.00	-10.00

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 238 of 265


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
10 MHz	π/2 BPSK	3705.00	-0.10	1 / 1	23.32	23.22	0.210	30.00	-6.78	
		3840.00	-0.10	1 / 12	23.49	23.39	0.218	30.00	-6.61	
		3975.00	-0.10	1 / 1	23.38	23.28	0.213	30.00	-6.72	
		3705.00	-0.10	1 / 12	23.50	23.40	0.219	30.00	-6.60	
		3840.00	-0.10	1 / 12	23.47	23.37	0.217	30.00	-6.63	
	QPSK	3975.00	-0.10	1 / 12	23.25	23.15	0.207	30.00	-6.85	
		3705.00	-0.10	1 / 1	22.52	22.42	0.175	30.00	-7.58	
		64-QAM	3840.00	-0.10	1 / 22	21.54	21.44	0.139	30.00	-8.56
		256-QAM	3705.00	-0.10	1 / 12	18.55	18.45	0.070	30.00	-11.55
		15 MHz	π/2 BPSK	3707.51	-0.10	1 / 1	23.47	23.37	0.217	30.00
3840.00	-0.10			1 / 1	23.50	23.40	0.219	30.00	-6.60	
3972.50	-0.10			1 / 18	23.40	23.30	0.214	30.00	-6.70	
3707.51	-0.10			1 / 36	23.45	23.35	0.216	30.00	-6.65	
3840.00	-0.10			1 / 36	23.30	23.20	0.209	30.00	-6.80	
QPSK	3972.50		-0.10	1 / 18	23.47	23.37	0.217	30.00	-6.63	
	16-QAM		3840.00	-0.10	1 / 18	22.53	22.43	0.175	30.00	-7.57
	64-QAM		3972.50	-0.10	1 / 1	21.56	21.46	0.140	30.00	-8.54
	256-QAM		3972.50	-0.10	1 / 1	18.67	18.57	0.072	30.00	-11.43
	20 MHz		π/2 BPSK	3710.01	-0.10	1 / 25	23.32	23.22	0.210	30.00
3840.00		-0.10		1 / 49	23.44	23.34	0.216	30.00	-6.66	
3969.99		-0.10		1 / 1	23.49	23.39	0.218	30.00	-6.61	
3710.01		-0.10		1 / 25	23.33	23.23	0.210	30.00	-6.77	
3840.00		-0.10		1 / 25	23.50	23.40	0.219	30.00	-6.60	
QPSK		3969.99	-0.10	1 / 49	23.50	23.40	0.219	30.00	-6.60	
		16-QAM	3969.99	-0.10	1 / 1	22.52	22.42	0.175	30.00	-7.58
		64-QAM	3840.00	-0.10	1 / 1	21.54	21.44	0.139	30.00	-8.56
		256-QAM	3969.99	-0.10	1 / 1	21.54	21.44	0.139	30.00	-8.56
		256-QAM	3969.99	-0.10	1 / 49	18.62	18.52	0.071	30.00	-11.48
30 MHz	π/2 BPSK	3715.02	-0.10	1 / 36	23.34	23.24	0.211	30.00	-6.76	
		3840.00	-0.10	1 / 1	23.34	23.24	0.211	30.00	-6.76	
		3964.98	-0.10	1 / 76	23.49	23.39	0.218	30.00	-6.61	
		3715.02	-0.10	1 / 1	23.25	23.15	0.207	30.00	-6.85	
		3840.00	-0.10	1 / 76	23.50	23.40	0.219	30.00	-6.60	
	QPSK	3964.98	-0.10	1 / 36	23.46	23.36	0.217	30.00	-6.64	
		16-QAM	3840.00	-0.10	1 / 1	22.50	22.40	0.174	30.00	-7.60
		64-QAM	3715.02	-0.10	1 / 1	21.50	21.40	0.138	30.00	-8.60
		256-QAM	3840.00	-0.10	1 / 76	21.50	21.40	0.138	30.00	-8.60
		256-QAM	3715.02	-0.10	1 / 76	18.60	18.50	0.071	30.00	-11.50
40 MHz	π/2 BPSK	3720.00	-0.10	1 / 104	23.35	23.25	0.211	30.00	-6.75	
		3840.00	-0.10	1 / 50	23.16	23.06	0.202	30.00	-6.94	
		3960.00	-0.10	1 / 1	23.49	23.39	0.218	30.00	-6.61	
		3720.00	-0.10	1 / 1	23.47	23.37	0.217	30.00	-6.63	
		3840.00	-0.10	1 / 1	23.50	23.40	0.219	30.00	-6.60	
	QPSK	3960.00	-0.10	1 / 1	23.47	23.37	0.217	30.00	-6.63	
		16-QAM	3960.00	-0.10	1 / 50	22.50	22.40	0.174	30.00	-7.60
		64-QAM	3840.00	-0.10	1 / 1	21.46	21.36	0.137	30.00	-8.64
		256-QAM	3960.00	-0.10	1 / 104	18.55	18.45	0.070	30.00	-11.55
		50 MHz	π/2 BPSK	3725.01	-0.10	1 / 131	23.45	23.35	0.216	30.00
3840.00	-0.10			1 / 1	23.39	23.29	0.213	30.00	-6.71	
3954.99	-0.10			1 / 1	23.47	23.37	0.217	30.00	-6.63	
3725.01	-0.10			1 / 64	23.50	23.40	0.219	30.00	-6.60	
3840.00	-0.10			1 / 1	23.42	23.32	0.215	30.00	-6.68	
QPSK	3954.99		-0.10	1 / 131	23.41	23.31	0.214	30.00	-6.69	
	16-QAM		3725.01	-0.10	1 / 1	22.51	22.41	0.174	30.00	-7.59
	64-QAM		3725.01	-0.10	1 / 64	21.50	21.40	0.138	30.00	-8.60
	256-QAM		3954.99	-0.10	1 / 64	18.62	18.52	0.071	30.00	-11.48
	60 MHz		π/2 BPSK	3730.02	-0.10	1 / 160	23.30	23.20	0.209	30.00
3840.00		-0.10		1 / 81	23.43	23.33	0.215	30.00	-6.67	
3949.98		-0.10		1 / 81	23.42	23.32	0.215	30.00	-6.68	
3730.02		-0.10		1 / 160	23.47	23.37	0.217	30.00	-6.63	
3840.00		-0.10		1 / 81	23.27	23.17	0.207	30.00	-6.83	
QPSK		3949.98	-0.10	1 / 160	23.50	23.40	0.219	30.00	-6.60	
		16-QAM	3949.98	-0.10	1 / 81	22.47	22.37	0.173	30.00	-7.63
		64-QAM	3949.98	-0.10	1 / 1	21.40	21.30	0.135	30.00	-8.70
		256-QAM	3730.02	-0.10	1 / 1	18.54	18.44	0.070	30.00	-11.56
		70 MHz	π/2 BPSK	3735.00	-0.10	1 / 187	23.47	23.37	0.217	30.00
3840.00	-0.10			1 / 90	23.20	23.10	0.204	30.00	-6.90	
3945.00	-0.10			1 / 187	23.28	23.18	0.208	30.00	-6.82	
3735.00	-0.10			1 / 90	23.50	23.40	0.219	30.00	-6.60	
3840.00	-0.10			1 / 90	23.45	23.35	0.216	30.00	-6.65	
QPSK	3945.00		-0.10	1 / 90	23.34	23.24	0.211	30.00	-6.76	
	16-QAM		3735.00	-0.10	1 / 90	22.46	22.36	0.172	30.00	-7.64
	64-QAM		3840.00	-0.10	1 / 1	21.49	21.39	0.138	30.00	-8.61
	256-QAM		3945.00	-0.10	1 / 187	18.54	18.44	0.070	30.00	-11.56
	80 MHz		π/2 BPSK	3740.01	-0.10	1 / 108	23.50	23.40	0.219	30.00
3840.00		-0.10		1 / 108	23.46	23.36	0.217	30.00	-6.64	
3939.99		-0.10		1 / 1	23.48	23.38	0.218	30.00	-6.62	
3740.01		-0.10		1 / 1	23.46	23.36	0.217	30.00	-6.64	
3840.00		-0.10		1 / 1	23.42	23.32	0.215	30.00	-6.68	
QPSK		3939.99	-0.10	1 / 1	23.32	23.22	0.210	30.00	-6.78	
		16-QAM	3740.01	-0.10	1 / 1	22.47	22.37	0.173	30.00	-7.63
		64-QAM	3840.00	-0.10	1 / 108	21.48	21.38	0.137	30.00	-8.62
		256-QAM	3740.01	-0.10	1 / 1	18.59	18.49	0.071	30.00	-11.51
		90 MHz	π/2 BPSK	3745.02	-0.10	1 / 243	23.34	23.24	0.211	30.00
3840.00	-0.10			1 / 243	23.50	23.40	0.219	30.00	-6.60	
3934.98	-0.10			1 / 1	23.49	23.39	0.218	30.00	-6.61	
3745.02	-0.10			1 / 120	23.33	23.23	0.210	30.00	-6.77	
3840.00	-0.10			1 / 1	23.33	23.23	0.210	30.00	-6.77	
QPSK	3934.98		-0.10	1 / 243	23.45	23.35	0.216	30.00	-6.65	
	16-QAM		3745.02	-0.10	1 / 1	22.52	22.42	0.175	30.00	-7.58
	64-QAM		3934.98	-0.10	1 / 1	21.53	21.43	0.139	30.00	-8.57
	256-QAM		3940.00	-0.10	1 / 1	18.61	18.51	0.071	30.00	-11.49
	100 MHz		π/2 BPSK	3750.00	-0.10	1 / 135	23.48	23.38	0.218	30.00
3840.00		-0.10		1 / 135	23.50	23.40	0.219	30.00	-6.60	
3930.00		-0.10		1 / 135	23.37	23.27	0.212	30.00	-6.73	
3750.00		-0.10		1 / 135	23.41	23.31	0.214	30.00	-6.69	
3840.00		-0.10		1 / 135	23.46	23.36	0.217	30.00	-6.64	
QPSK		3930.00	-0.10	1 / 271	23.50	23.40	0.219	30.00	-6.60	
		16-QAM	3930.00	-0.10	1 / 1	22.46	22.36	0.172	30.00	-7.64
		64-QAM	3750.00	-0.10	1 / 135	21.46	21.36	0.137	30.00	-8.64
		256-QAM	3750.00	-0.10	1 / 271	18.61	18.51	0.071	30.00	-11.49

Table 7-8. Antenna 1 EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 239 of 265

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	23.20	23.10	0.204	30.00	-6.90
		3840.00	-0.10	1 / 12	23.32	23.22	0.210	30.00	-6.78
		3975.00	-0.10	1 / 12	23.35	23.25	0.211	30.00	-6.75
		3705.00	-0.10	1 / 12	23.45	23.35	0.216	30.00	-6.65
	QPSK	3840.00	-0.10	1 / 1	23.50	23.40	0.219	30.00	-6.60
		3975.00	-0.10	1 / 12	23.43	23.33	0.215	30.00	-6.67
		3840.00	-0.10	1 / 12	22.46	22.36	0.172	30.00	-7.64
		64-QAM	3840.00	-0.10	1 / 12	21.45	21.35	0.136	30.00
256-QAM	3975.00	-0.10	1 / 1	18.55	18.45	0.070	30.00	-11.55	
15 MHz	π/2 BPSK	3707.51	-0.10	1 / 36	23.33	23.23	0.210	30.00	-6.77
		3840.00	-0.10	1 / 1	23.49	23.39	0.218	30.00	-6.61
		3972.50	-0.10	1 / 18	23.42	23.32	0.215	30.00	-6.68
	QPSK	3707.51	-0.10	1 / 36	23.50	23.40	0.219	30.00	-6.60
		3840.00	-0.10	1 / 36	23.28	23.18	0.208	30.00	-6.82
		3972.50	-0.10	1 / 36	23.47	23.37	0.217	30.00	-6.63
	16-QAM	3707.51	-0.10	1 / 18	22.51	22.41	0.174	30.00	-7.59
	64-QAM	3840.00	-0.10	1 / 18	21.51	21.41	0.138	30.00	-8.59
256-QAM	3840.00	-0.10	1 / 36	18.63	18.53	0.071	30.00	-11.47	
20 MHz	π/2 BPSK	3710.01	-0.10	1 / 49	23.13	23.03	0.201	30.00	-6.97
		3840.00	-0.10	1 / 49	23.50	23.40	0.219	30.00	-6.60
		3969.99	-0.10	1 / 25	23.38	23.28	0.213	30.00	-6.72
	QPSK	3710.01	-0.10	1 / 49	23.45	23.35	0.216	30.00	-6.65
		3840.00	-0.10	1 / 1	23.48	23.38	0.218	30.00	-6.62
		3969.99	-0.10	1 / 49	23.35	23.25	0.211	30.00	-6.75
	16-QAM	3840.00	-0.10	1 / 1	22.50	22.40	0.174	30.00	-7.60
	64-QAM	3969.99	-0.10	1 / 1	21.52	21.42	0.139	30.00	-8.58
256-QAM	3710.01	-0.10	1 / 49	18.58	18.48	0.070	30.00	-11.52	
30 MHz	π/2 BPSK	3715.02	-0.10	1 / 76	23.32	23.22	0.210	30.00	-6.78
		3840.00	-0.10	1 / 76	23.50	23.40	0.219	30.00	-6.60
		3964.98	-0.10	1 / 1	23.39	23.29	0.213	30.00	-6.71
	QPSK	3715.02	-0.10	1 / 36	23.26	23.16	0.207	30.00	-6.84
		3840.00	-0.10	1 / 1	23.45	23.35	0.216	30.00	-6.65
		3964.98	-0.10	1 / 76	23.42	23.32	0.215	30.00	-6.68
	16-QAM	3715.02	-0.10	1 / 1	22.47	22.37	0.173	30.00	-7.63
	64-QAM	3840.00	-0.10	1 / 36	21.47	21.37	0.137	30.00	-8.63
256-QAM	3715.02	-0.10	1 / 36	18.64	18.54	0.071	30.00	-11.46	
40 MHz	π/2 BPSK	3720.00	-0.10	1 / 1	23.37	23.27	0.212	30.00	-6.73
		3840.00	-0.10	1 / 1	23.49	23.39	0.218	30.00	-6.61
		3960.00	-0.10	1 / 1	23.28	23.18	0.208	30.00	-6.82
	QPSK	3720.00	-0.10	1 / 1	23.41	23.31	0.214	30.00	-6.69
		3840.00	-0.10	1 / 50	23.45	23.35	0.216	30.00	-6.65
		3960.00	-0.10	1 / 1	23.50	23.40	0.219	30.00	-6.60
	16-QAM	3720.00	-0.10	1 / 1	22.47	22.37	0.173	30.00	-7.63
	64-QAM	3960.00	-0.10	1 / 1	21.52	21.42	0.139	30.00	-8.58
256-QAM	3840.00	-0.10	1 / 1	18.62	18.52	0.071	30.00	-11.48	
50 MHz	π/2 BPSK	3725.01	-0.10	1 / 131	23.36	23.26	0.212	30.00	-6.74
		3840.00	-0.10	1 / 1	23.46	23.36	0.217	30.00	-6.64
		3954.99	-0.10	1 / 131	23.50	23.40	0.219	30.00	-6.60
	QPSK	3725.01	-0.10	1 / 1	23.48	23.38	0.218	30.00	-6.62
		3840.00	-0.10	1 / 1	23.18	23.08	0.203	30.00	-6.92
		3954.99	-0.10	1 / 131	23.40	23.30	0.214	30.00	-6.70
	16-QAM	3725.01	-0.10	1 / 1	22.46	22.36	0.172	30.00	-7.64
	64-QAM	3840.00	-0.10	1 / 1	21.54	21.44	0.139	30.00	-8.56
256-QAM	3954.99	-0.10	1 / 1	18.54	18.44	0.070	30.00	-11.56	
60 MHz	π/2 BPSK	3730.02	-0.10	1 / 1	23.48	23.38	0.218	30.00	-6.62
		3840.00	-0.10	1 / 160	23.43	23.33	0.215	30.00	-6.67
		3949.98	-0.10	1 / 81	23.34	23.24	0.211	30.00	-6.76
	QPSK	3730.02	-0.10	1 / 1	23.50	23.40	0.219	30.00	-6.60
		3840.00	-0.10	1 / 81	23.31	23.21	0.209	30.00	-6.79
		3949.98	-0.10	1 / 81	23.19	23.09	0.204	30.00	-6.91
	16-QAM	3840.00	-0.10	1 / 1	22.45	22.35	0.172	30.00	-7.65
	64-QAM	3949.98	-0.10	1 / 1	21.50	21.40	0.138	30.00	-8.60
256-QAM	3730.02	-0.10	1 / 81	18.53	18.43	0.070	30.00	-11.57	
70 MHz	π/2 BPSK	3735.00	-0.10	1 / 1	23.18	23.08	0.203	30.00	-6.92
		3840.00	-0.10	1 / 90	23.32	23.22	0.210	30.00	-6.78
		3945.00	-0.10	1 / 1	23.46	23.36	0.217	30.00	-6.64
	QPSK	3735.00	-0.10	1 / 90	23.50	23.40	0.219	30.00	-6.60
		3840.00	-0.10	1 / 187	23.38	23.28	0.213	30.00	-6.72
		3945.00	-0.10	1 / 90	23.47	23.37	0.217	30.00	-6.63
	16-QAM	3840.00	-0.10	1 / 90	22.49	22.39	0.173	30.00	-7.61
	64-QAM	3735.00	-0.10	1 / 1	21.49	21.39	0.138	30.00	-8.61
256-QAM	3945.00	-0.10	1 / 90	18.58	18.48	0.070	30.00	-11.52	
80 MHz	π/2 BPSK	3740.01	-0.10	1 / 215	23.44	23.34	0.216	30.00	-6.66
		3840.00	-0.10	1 / 1	23.44	23.34	0.216	30.00	-6.66
		3939.99	-0.10	1 / 108	23.14	23.04	0.201	30.00	-6.96
	QPSK	3740.01	-0.10	1 / 215	23.50	23.40	0.219	30.00	-6.60
		3840.00	-0.10	1 / 108	23.38	23.28	0.213	30.00	-6.72
		3939.99	-0.10	1 / 1	23.31	23.21	0.209	30.00	-6.79
	16-QAM	3740.01	-0.10	1 / 215	22.39	22.29	0.169	30.00	-7.71
	64-QAM	3840.00	-0.10	1 / 215	21.52	21.42	0.139	30.00	-8.58
256-QAM	3840.00	-0.10	1 / 108	18.62	18.52	0.071	30.00	-11.48	
90 MHz	π/2 BPSK	3745.02	-0.10	1 / 120	23.28	23.18	0.208	30.00	-6.82
		3840.00	-0.10	1 / 243	23.49	23.39	0.218	30.00	-6.61
		3934.98	-0.10	1 / 1	23.47	23.37	0.217	30.00	-6.63
	QPSK	3745.02	-0.10	1 / 120	23.50	23.40	0.219	30.00	-6.60
		3840.00	-0.10	1 / 243	23.41	23.31	0.214	30.00	-6.69
		3934.98	-0.10	1 / 243	23.38	23.28	0.213	30.00	-6.72
	16-QAM	3745.02	-0.10	1 / 243	22.50	22.40	0.174	30.00	-7.60
	64-QAM	3934.98	-0.10	1 / 1	21.35	21.25	0.133	30.00	-8.75
256-QAM	3934.98	-0.10	1 / 120	18.53	18.43	0.070	30.00	-11.57	
100 MHz	π/2 BPSK	3750.00	-0.10	1 / 271	23.31	23.21	0.209	30.00	-6.79
		3840.00	-0.10	1 / 271	23.50	23.40	0.219	30.00	-6.60
		3930.00	-0.10	1 / 271	23.35	23.25	0.211	30.00	-6.75
	QPSK	3750.00	-0.10	1 / 1	23.25	23.15	0.207	30.00	-6.85
		3840.00	-0.10	1 / 271	23.29	23.19	0.208	30.00	-6.81
		3930.00	-0.10	1 / 135	23.39	23.29	0.213	30.00	-6.71
	16-QAM	3840.00	-0.10	1 / 1	22.55	22.45	0.176	30.00	-7.55
	64-QAM	3750.00	-0.10	1 / 271	21.53	21.43	0.139	30.00	-8.57
256-QAM	3930.00	-0.10	1 / 135	18.64	18.54	0.071	30.00	-11.46	

Table 7-9. Antenna 1 EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 240 of 265	

7.6.3 Antenna 4b – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-2.90	1 / 1	26.94	24.04	0.254	30.00	-5.96
		3500.01	-2.90	1 / 12	26.92	24.02	0.252	30.00	-5.98
		3544.98	-2.90	1 / 22	26.65	23.75	0.237	30.00	-6.25
	QPSK	3455.01	-2.90	1 / 12	27.00	24.10	0.257	30.00	-5.90
		3500.01	-2.90	1 / 22	26.77	23.87	0.244	30.00	-6.13
		3544.98	-2.90	1 / 1	26.90	24.00	0.251	30.00	-6.00
	16-QAM	3544.98	-2.90	1 / 22	25.99	23.09	0.204	30.00	-6.91
	64-QAM	3500.01	-2.90	1 / 22	25.00	22.10	0.162	30.00	-7.90
256-QAM	3544.98	-2.90	1 / 22	22.06	19.16	0.082	30.00	-10.84	
15 MHz	π/2 BPSK	3457.50	-2.90	1 / 18	26.91	24.01	0.252	30.00	-5.99
		3500.01	-2.90	1 / 36	27.00	24.10	0.257	30.00	-5.90
		3542.49	-2.90	1 / 36	26.82	23.92	0.247	30.00	-6.08
	QPSK	3457.50	-2.90	1 / 1	26.91	24.01	0.252	30.00	-5.99
		3500.01	-2.90	1 / 18	26.66	23.76	0.238	30.00	-6.24
		3542.49	-2.90	1 / 36	26.67	23.77	0.238	30.00	-6.23
	16-QAM	3542.49	-2.90	1 / 18	25.94	23.04	0.201	30.00	-6.96
	64-QAM	3500.01	-2.90	1 / 1	25.03	22.13	0.163	30.00	-7.87
256-QAM	3500.01	-2.90	1 / 36	22.08	19.18	0.083	30.00	-10.82	
20 MHz	π/2 BPSK	3460.02	-2.90	1 / 1	26.94	24.04	0.254	30.00	-5.96
		3500.01	-2.90	1 / 1	26.86	23.96	0.249	30.00	-6.04
		3540.00	-2.90	1 / 25	26.90	24.00	0.251	30.00	-6.00
	QPSK	3460.02	-2.90	1 / 1	27.00	24.10	0.257	30.00	-5.90
		3500.01	-2.90	1 / 25	26.82	23.92	0.247	30.00	-6.08
		3540.00	-2.90	1 / 1	26.90	24.00	0.251	30.00	-6.00
	16-QAM	3460.02	-2.90	1 / 1	26.18	23.28	0.213	30.00	-6.72
	64-QAM	3540.00	-2.90	1 / 49	25.15	22.25	0.168	30.00	-7.75
256-QAM	3460.02	-2.90	1 / 25	22.25	19.35	0.086	30.00	-10.65	
30 MHz	π/2 BPSK	3465.00	-2.90	1 / 1	27.00	24.10	0.257	30.00	-5.90
		3500.01	-2.90	1 / 76	26.86	23.96	0.249	30.00	-6.04
		3534.99	-2.90	1 / 36	26.88	23.98	0.250	30.00	-6.02
	QPSK	3465.00	-2.90	1 / 36	26.99	24.09	0.256	30.00	-5.91
		3500.01	-2.90	1 / 36	26.95	24.05	0.254	30.00	-5.95
		3534.99	-2.90	1 / 36	26.92	24.02	0.252	30.00	-5.98
	16-QAM	3534.99	-2.90	1 / 1	25.99	23.09	0.204	30.00	-6.91
	64-QAM	3465.00	-2.90	1 / 1	24.84	21.94	0.156	30.00	-8.06
256-QAM	3465.00	-2.90	1 / 36	22.10	19.20	0.083	30.00	-10.80	
40 MHz	π/2 BPSK	3470.01	-2.90	1 / 104	26.74	23.84	0.242	30.00	-6.16
		3500.01	-2.90	1 / 50	26.90	24.00	0.251	30.00	-6.00
		3529.98	-2.90	1 / 1	26.94	24.04	0.254	30.00	-5.96
	QPSK	3470.01	-2.90	1 / 104	26.98	24.08	0.256	30.00	-5.92
		3500.01	-2.90	1 / 104	26.87	23.97	0.249	30.00	-6.03
		3529.98	-2.90	1 / 1	27.00	24.10	0.257	30.00	-5.90
	16-QAM	3529.98	-2.90	1 / 50	26.03	23.13	0.206	30.00	-6.87
	64-QAM	3500.01	-2.90	1 / 50	25.02	22.12	0.163	30.00	-7.88
256-QAM	3500.01	-2.90	1 / 104	22.07	19.17	0.083	30.00	-10.83	
50 MHz	π/2 BPSK	3475.02	-2.90	1 / 1	26.97	24.07	0.255	30.00	-5.93
		3500.01	-2.90	1 / 131	26.95	24.05	0.254	30.00	-5.95
		3525.00	-2.90	1 / 1	26.95	24.05	0.254	30.00	-5.95
	QPSK	3475.02	-2.90	1 / 64	26.76	23.86	0.243	30.00	-6.14
		3500.01	-2.90	1 / 1	26.88	23.98	0.250	30.00	-6.02
		3525.00	-2.90	1 / 64	27.00	24.10	0.257	30.00	-5.90
	16-QAM	3475.02	-2.90	1 / 64	25.80	22.90	0.195	30.00	-7.10
	64-QAM	3525.00	-2.90	1 / 1	25.00	22.10	0.162	30.00	-7.90
256-QAM	3475.02	-2.90	1 / 1	22.05	19.15	0.082	30.00	-10.85	
60 MHz	π/2 BPSK	3480.00	-2.90	1 / 81	26.97	24.07	0.255	30.00	-5.93
		3500.01	-2.90	1 / 81	27.00	24.10	0.257	30.00	-5.90
		3519.99	-2.90	1 / 1	26.70	23.80	0.240	30.00	-6.20
	QPSK	3480.00	-2.90	1 / 1	26.84	23.94	0.248	30.00	-6.06
		3500.01	-2.90	1 / 160	27.00	24.10	0.257	30.00	-5.90
		3519.99	-2.90	1 / 1	26.78	23.88	0.244	30.00	-6.12
	16-QAM	3519.99	-2.90	1 / 160	25.97	23.07	0.203	30.00	-6.93
	64-QAM	3500.01	-2.90	1 / 160	24.96	22.06	0.161	30.00	-7.94
256-QAM	3480.00	-2.90	1 / 1	22.03	19.13	0.082	30.00	-10.87	
70 MHz	π/2 BPSK	3485.01	-2.90	1 / 1	26.94	24.04	0.254	30.00	-5.96
		3500.01	-2.90	1 / 90	26.99	24.09	0.256	30.00	-5.91
		3514.98	-2.90	1 / 1	26.78	23.88	0.244	30.00	-6.12
	QPSK	3485.01	-2.90	1 / 90	26.94	24.04	0.254	30.00	-5.96
		3500.01	-2.90	1 / 90	27.00	24.10	0.257	30.00	-5.90
		3514.98	-2.90	1 / 90	26.77	23.87	0.244	30.00	-6.13
	16-QAM	3500.01	-2.90	1 / 1	26.02	23.12	0.205	30.00	-6.88
	64-QAM	3485.01	-2.90	1 / 187	25.05	22.15	0.164	30.00	-7.85
256-QAM	3514.98	-2.90	1 / 1	22.14	19.24	0.084	30.00	-10.76	
80 MHz	π/2 BPSK	3490.02	-2.90	1 / 1	26.64	23.74	0.237	30.00	-6.26
		3500.01	-2.90	1 / 108	26.63	23.73	0.236	30.00	-6.27
		3510.00	-2.90	1 / 108	26.69	23.79	0.239	30.00	-6.21
	QPSK	3490.02	-2.90	1 / 1	26.85	23.95	0.248	30.00	-6.05
		3500.01	-2.90	1 / 1	27.00	24.10	0.257	30.00	-5.90
		3510.00	-2.90	1 / 1	26.86	23.96	0.249	30.00	-6.04
	16-QAM	3490.02	-2.90	1 / 1	26.04	23.14	0.206	30.00	-6.86
	64-QAM	3490.02	-2.90	1 / 108	25.01	22.11	0.163	30.00	-7.89
256-QAM	3490.02	-2.90	1 / 108	22.04	19.14	0.082	30.00	-10.86	
90 MHz	π/2 BPSK	3495.00	-2.90	1 / 243	26.91	24.01	0.252	30.00	-5.99
		3500.01	-2.90	1 / 243	26.94	24.04	0.254	30.00	-5.96
		3504.99	-2.90	1 / 1	26.80	23.90	0.245	30.00	-6.10
	QPSK	3495.00	-2.90	1 / 243	26.87	23.97	0.249	30.00	-6.03
		3500.01	-2.90	1 / 1	27.00	24.10	0.257	30.00	-5.90
		3504.99	-2.90	1 / 1	26.95	24.05	0.254	30.00	-5.95
	16-QAM	3495.00	-2.90	1 / 120	25.94	23.04	0.201	30.00	-6.96
	64-QAM	3500.01	-2.90	1 / 243	25.01	22.11	0.163	30.00	-7.89
256-QAM	3504.99	-2.90	1 / 120	22.07	19.17	0.083	30.00	-10.83	
100 MHz	π/2 BPSK	3500.01	-2.90	1 / 1	26.83	23.93	0.247	30.00	-6.07
	QPSK	3500.01	-2.90	1 / 271	26.87	23.97	0.249	30.00	-6.03
	16-QAM	3500.01	-2.90	1 / 271	25.93	23.03	0.201	30.00	-6.97
	64-QAM	3500.01	-2.90	1 / 1	25.04	22.14	0.164	30.00	-7.86
	256-QAM	3500.01	-2.90	1 / 1	21.96	19.06	0.081	30.00	-10.94

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 241 of 265

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-2.90	1 / 22	25.63	22.73	0.187	30.00	-7.27
		3500.01	-2.90	1 / 1	25.60	22.70	0.186	30.00	-7.30
		3544.98	-2.90	1 / 1	25.57	22.67	0.185	30.00	-7.33
	QPSK	3455.01	-2.90	1 / 22	25.70	22.80	0.191	30.00	-7.20
		3500.01	-2.90	1 / 1	25.68	22.78	0.190	30.00	-7.22
		3544.98	-2.90	1 / 22	25.60	22.70	0.186	30.00	-7.30
	16-QAM	3455.01	-2.90	1 / 1	24.51	21.61	0.145	30.00	-8.39
		3544.98	-2.90	1 / 22	23.67	20.77	0.119	30.00	-9.23
	256-QAM	3455.01	-2.90	1 / 22	20.80	17.90	0.062	30.00	-12.10
	15 MHz	π/2 BPSK	3457.50	-2.90	1 / 1	25.44	22.54	0.179	30.00
3500.01			-2.90	1 / 36	25.63	22.73	0.187	30.00	-7.27
3542.49			-2.90	1 / 1	25.69	22.79	0.190	30.00	-7.21
QPSK		3457.50	-2.90	1 / 1	25.70	22.80	0.191	30.00	-7.20
		3500.01	-2.90	1 / 18	25.69	22.79	0.190	30.00	-7.21
		3542.49	-2.90	1 / 1	25.64	22.74	0.188	30.00	-7.26
16-QAM		3500.01	-2.90	1 / 1	24.72	21.82	0.152	30.00	-8.18
		3500.01	-2.90	1 / 18	23.70	20.80	0.120	30.00	-9.20
64-QAM		3500.01	-2.90	1 / 1	20.68	17.78	0.060	30.00	-12.22
256-QAM		3500.01	-2.90	1 / 1	20.68	17.78	0.060	30.00	-12.22
20 MHz	π/2 BPSK	3460.02	-2.90	1 / 25	25.62	22.72	0.187	30.00	-7.28
		3500.01	-2.90	1 / 1	25.58	22.68	0.185	30.00	-7.32
		3540.00	-2.90	1 / 49	25.62	22.72	0.187	30.00	-7.28
	QPSK	3460.02	-2.90	1 / 25	25.70	22.80	0.191	30.00	-7.20
		3500.01	-2.90	1 / 49	25.48	22.58	0.181	30.00	-7.42
		3540.00	-2.90	1 / 1	25.56	22.66	0.185	30.00	-7.34
	16-QAM	3460.02	-2.90	1 / 1	24.71	21.81	0.152	30.00	-8.19
		3500.01	-2.90	1 / 25	23.70	20.80	0.120	30.00	-9.20
	64-QAM	3500.01	-2.90	1 / 1	20.72	17.82	0.061	30.00	-12.18
	256-QAM	3500.01	-2.90	1 / 1	20.72	17.82	0.061	30.00	-12.18
30 MHz	π/2 BPSK	3465.00	-2.90	1 / 36	25.70	22.80	0.191	30.00	-7.20
		3500.01	-2.90	1 / 1	25.66	22.76	0.189	30.00	-7.24
		3534.99	-2.90	1 / 76	25.57	22.67	0.185	30.00	-7.33
	QPSK	3465.00	-2.90	1 / 36	25.68	22.78	0.190	30.00	-7.22
		3500.01	-2.90	1 / 36	25.54	22.64	0.184	30.00	-7.36
		3534.99	-2.90	1 / 36	25.65	22.75	0.188	30.00	-7.25
	16-QAM	3500.01	-2.90	1 / 76	24.68	21.78	0.151	30.00	-8.22
		3500.01	-2.90	1 / 76	23.66	20.76	0.119	30.00	-9.24
	64-QAM	3500.01	-2.90	1 / 36	20.78	17.88	0.061	30.00	-12.12
	256-QAM	3500.01	-2.90	1 / 36	20.78	17.88	0.061	30.00	-12.12
40 MHz	π/2 BPSK	3470.01	-2.90	1 / 50	25.68	22.78	0.190	30.00	-7.22
		3500.01	-2.90	1 / 50	25.70	22.80	0.191	30.00	-7.20
		3529.98	-2.90	1 / 104	25.54	22.64	0.184	30.00	-7.36
	QPSK	3470.01	-2.90	1 / 104	25.67	22.77	0.189	30.00	-7.23
		3500.01	-2.90	1 / 50	25.69	22.79	0.190	30.00	-7.21
		3529.98	-2.90	1 / 1	25.54	22.64	0.184	30.00	-7.36
	16-QAM	3500.01	-2.90	1 / 1	24.69	21.79	0.151	30.00	-8.21
		3500.01	-2.90	1 / 104	23.69	20.79	0.120	30.00	-9.21
	64-QAM	3529.98	-2.90	1 / 50	20.72	17.82	0.061	30.00	-12.18
	256-QAM	3529.98	-2.90	1 / 50	20.72	17.82	0.061	30.00	-12.18
50 MHz	π/2 BPSK	3475.02	-2.90	1 / 131	25.65	22.75	0.188	30.00	-7.25
		3500.01	-2.90	1 / 1	25.70	22.80	0.191	30.00	-7.20
		3525.00	-2.90	1 / 131	25.54	22.64	0.184	30.00	-7.36
	QPSK	3475.02	-2.90	1 / 131	25.60	22.70	0.186	30.00	-7.30
		3500.01	-2.90	1 / 1	25.62	22.72	0.187	30.00	-7.28
		3525.00	-2.90	1 / 1	25.25	22.35	0.172	30.00	-7.65
	16-QAM	3475.02	-2.90	1 / 131	24.65	21.75	0.150	30.00	-8.25
		3525.00	-2.90	1 / 1	23.70	20.80	0.120	30.00	-9.20
	64-QAM	3525.00	-2.90	1 / 1	20.75	17.85	0.061	30.00	-12.15
	256-QAM	3525.00	-2.90	1 / 1	20.75	17.85	0.061	30.00	-12.15
60 MHz	π/2 BPSK	3480.00	-2.90	1 / 1	25.66	22.76	0.189	30.00	-7.24
		3500.01	-2.90	1 / 1	25.65	22.75	0.188	30.00	-7.25
		3519.99	-2.90	1 / 160	25.52	22.62	0.183	30.00	-7.38
	QPSK	3480.00	-2.90	1 / 81	25.62	22.72	0.187	30.00	-7.28
		3500.01	-2.90	1 / 1	25.70	22.80	0.191	30.00	-7.20
		3519.99	-2.90	1 / 1	25.66	22.76	0.189	30.00	-7.24
	16-QAM	3500.01	-2.90	1 / 1	24.70	21.80	0.151	30.00	-8.20
		3519.99	-2.90	1 / 81	23.58	20.68	0.117	30.00	-9.32
	64-QAM	3500.01	-2.90	1 / 1	20.78	17.88	0.061	30.00	-12.12
	256-QAM	3500.01	-2.90	1 / 1	20.78	17.88	0.061	30.00	-12.12
70 MHz	π/2 BPSK	3485.01	-2.90	1 / 90	25.69	22.79	0.190	30.00	-7.21
		3500.01	-2.90	1 / 90	25.65	22.75	0.188	30.00	-7.25
		3514.98	-2.90	1 / 1	25.70	22.80	0.191	30.00	-7.20
	QPSK	3485.01	-2.90	1 / 1	25.39	22.49	0.177	30.00	-7.51
		3500.01	-2.90	1 / 1	25.69	22.79	0.190	30.00	-7.21
		3514.98	-2.90	1 / 90	25.65	22.75	0.188	30.00	-7.25
	16-QAM	3514.98	-2.90	1 / 90	24.70	21.80	0.151	30.00	-8.20
		3485.01	-2.90	1 / 187	23.71	20.81	0.121	30.00	-9.19
	64-QAM	3500.01	-2.90	1 / 90	20.78	17.88	0.061	30.00	-12.12
	256-QAM	3500.01	-2.90	1 / 90	20.78	17.88	0.061	30.00	-12.12
80 MHz	π/2 BPSK	3490.02	-2.90	1 / 215	25.48	22.58	0.181	30.00	-7.42
		3500.01	-2.90	1 / 215	25.70	22.80	0.191	30.00	-7.20
		3510.00	-2.90	1 / 215	25.52	22.62	0.183	30.00	-7.38
	QPSK	3490.02	-2.90	1 / 1	25.61	22.71	0.187	30.00	-7.29
		3500.01	-2.90	1 / 215	25.66	22.76	0.189	30.00	-7.24
		3510.00	-2.90	1 / 108	25.68	22.78	0.190	30.00	-7.22
	16-QAM	3490.02	-2.90	1 / 1	24.68	21.78	0.151	30.00	-8.22
		3490.02	-2.90	1 / 215	23.68	20.78	0.120	30.00	-9.22
	64-QAM	3510.00	-2.90	1 / 108	20.79	17.89	0.062	30.00	-12.11
	256-QAM	3510.00	-2.90	1 / 108	20.79	17.89	0.062	30.00	-12.11
90 MHz	π/2 BPSK	3495.00	-2.90	1 / 1	25.62	22.72	0.187	30.00	-7.28
		3500.01	-2.90	1 / 120	25.50	22.60	0.182	30.00	-7.40
		3504.99	-2.90	1 / 120	25.66	22.76	0.189	30.00	-7.24
	QPSK	3495.00	-2.90	1 / 1	25.68	22.78	0.190	30.00	-7.22
		3500.01	-2.90	1 / 243	25.70	22.80	0.191	30.00	-7.20
		3504.99	-2.90	1 / 1	25.63	22.73	0.187	30.00	-7.27
	16-QAM	3500.01	-2.90	1 / 120	24.70	21.80	0.151	30.00	-8.20
		3500.01	-2.90	1 / 243	23.68	20.78	0.120	30.00	-9.22
	64-QAM	3500.01	-2.90	1 / 1	20.76	17.86	0.061	30.00	-12.14
	256-QAM	3500.01	-2.90	1 / 1	20.76	17.86	0.061	30.00	-12.14
100 MHz	π/2 BPSK	3500.01	-2.90	1 / 1	25.70	22.80	0.191	30.00	-7.20
		3500.01	-2.90	1 / 1	25.65	22.75	0.188	30.00	-7.25
	QPSK	3500.01	-2.90	1 / 135	24.65	21.75	0.150	30.00	-8.25
		3500.01	-2.90	1 / 1	23.42	20.52	0.113	30.00	-9.48
	16-QAM	3500.01	-2.90	1 / 135	20.79	17.89	0.062	30.00	-12.11
	256-QAM	3500.01	-2.90	1 / 135	20.79	17.89	0.062	30.00	-12.11

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 242 of 265

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	-0.20	1 / 12	27.00	26.80	0.479	30.00	-3.20	
		3840.00	-0.20	1 / 12	26.85	26.65	0.462	30.00	-3.35	
		3975.00	-0.20	1 / 1	27.00	26.80	0.479	30.00	-3.20	
		3705.00	-0.20	1 / 1	26.96	26.76	0.474	30.00	-3.24	
		3840.00	-0.20	1 / 22	26.73	26.53	0.450	30.00	-3.47	
	QPSK	3975.00	-0.20	1 / 1	26.89	26.69	0.467	30.00	-3.31	
		16-QAM	3840.00	-0.20	1 / 12	25.99	25.79	0.379	30.00	-4.21
		64-QAM	3840.00	-0.20	1 / 22	24.99	24.79	0.301	30.00	-5.21
		256-QAM	3975.00	-0.20	1 / 22	21.90	21.70	0.148	30.00	-8.30
		15 MHz	π/2 BPSK	3707.51	-0.20	1 / 1	26.95	26.75	0.473	30.00
3840.00	-0.20			1 / 18	26.92	26.72	0.470	30.00	-3.28	
3972.50	-0.20			1 / 1	26.83	26.63	0.460	30.00	-3.37	
QPSK	3707.51		-0.20	1 / 18	27.00	26.80	0.479	30.00	-3.20	
	3840.00		-0.20	1 / 1	26.98	26.78	0.476	30.00	-3.22	
	3972.50		-0.20	1 / 1	26.83	26.63	0.460	30.00	-3.37	
16-QAM	3972.50		-0.20	1 / 18	25.98	25.78	0.378	30.00	-4.22	
	64-QAM		3972.50	-0.20	1 / 18	24.90	24.70	0.295	30.00	-5.30
	256-QAM		3707.51	-0.20	1 / 1	22.08	21.88	0.154	30.00	-8.12
	20 MHz		π/2 BPSK	3710.01	-0.20	1 / 1	26.97	26.77	0.475	30.00
3840.00		-0.20		1 / 49	26.75	26.55	0.452	30.00	-3.45	
3969.99		-0.20		1 / 1	27.00	26.80	0.479	30.00	-3.20	
QPSK		3710.01	-0.20	1 / 1	26.93	26.73	0.471	30.00	-3.27	
		3840.00	-0.20	1 / 25	26.89	26.69	0.467	30.00	-3.31	
		3969.99	-0.20	1 / 1	26.86	26.66	0.463	30.00	-3.34	
16-QAM		3710.01	-0.20	1 / 49	26.02	25.82	0.382	30.00	-4.18	
	64-QAM	3969.99	-0.20	1 / 49	25.01	24.81	0.303	30.00	-5.19	
	256-QAM	3969.99	-0.20	1 / 25	22.13	21.93	0.156	30.00	-8.07	
	30 MHz	π/2 BPSK	3715.02	-0.20	1 / 36	27.00	26.80	0.479	30.00	-3.20
3840.00			-0.20	1 / 1	26.83	26.63	0.460	30.00	-3.37	
3964.98			-0.20	1 / 1	26.77	26.57	0.454	30.00	-3.43	
QPSK		3715.02	-0.20	1 / 36	26.92	26.72	0.470	30.00	-3.28	
		3840.00	-0.20	1 / 36	26.82	26.62	0.459	30.00	-3.38	
		3964.98	-0.20	1 / 1	26.94	26.74	0.472	30.00	-3.26	
16-QAM		3964.98	-0.20	1 / 36	25.87	25.67	0.369	30.00	-4.33	
		64-QAM	3715.02	-0.20	1 / 1	24.98	24.78	0.301	30.00	-5.22
		256-QAM	3715.02	-0.20	1 / 1	22.07	21.87	0.154	30.00	-8.13
		40 MHz	π/2 BPSK	3720.00	-0.20	1 / 104	26.89	26.69	0.467	30.00
3840.00	-0.20			1 / 1	27.00	26.80	0.479	30.00	-3.20	
3960.00	-0.20			1 / 50	26.86	26.66	0.463	30.00	-3.34	
QPSK	3720.00		-0.20	1 / 1	26.87	26.67	0.465	30.00	-3.33	
	3840.00		-0.20	1 / 1	26.93	26.73	0.471	30.00	-3.27	
	3960.00		-0.20	1 / 104	26.90	26.70	0.468	30.00	-3.30	
16-QAM	3840.00		-0.20	1 / 1	25.99	25.79	0.379	30.00	-4.21	
	64-QAM	3960.00	-0.20	1 / 104	24.95	24.75	0.299	30.00	-5.25	
	256-QAM	3720.00	-0.20	1 / 104	22.09	21.89	0.155	30.00	-8.11	
	50 MHz	π/2 BPSK	3725.01	-0.20	1 / 131	26.75	26.55	0.452	30.00	-3.45
3840.00			-0.20	1 / 64	26.82	26.62	0.459	30.00	-3.38	
3954.99			-0.20	1 / 131	26.81	26.61	0.458	30.00	-3.39	
QPSK		3725.01	-0.20	1 / 1	26.93	26.73	0.471	30.00	-3.27	
		3840.00	-0.20	1 / 1	27.00	26.80	0.479	30.00	-3.20	
		3954.99	-0.20	1 / 131	26.92	26.72	0.470	30.00	-3.28	
16-QAM		3840.00	-0.20	1 / 131	25.98	25.78	0.378	30.00	-4.22	
	64-QAM	3840.00	-0.20	1 / 64	24.98	24.78	0.301	30.00	-5.22	
	256-QAM	3954.99	-0.20	1 / 64	21.91	21.71	0.148	30.00	-8.29	
	60 MHz	π/2 BPSK	3730.02	-0.20	1 / 160	27.00	26.80	0.479	30.00	-3.20
3840.00			-0.20	1 / 81	26.97	26.77	0.475	30.00	-3.23	
3949.98			-0.20	1 / 1	26.95	26.75	0.473	30.00	-3.25	
QPSK		3730.02	-0.20	1 / 160	26.86	26.66	0.463	30.00	-3.34	
		3840.00	-0.20	1 / 160	26.88	26.68	0.466	30.00	-3.32	
		3949.98	-0.20	1 / 1	26.88	26.68	0.466	30.00	-3.32	
16-QAM		3840.00	-0.20	1 / 160	26.00	25.80	0.380	30.00	-4.20	
	64-QAM	3840.00	-0.20	1 / 160	24.94	24.74	0.298	30.00	-5.26	
	256-QAM	3730.02	-0.20	1 / 160	22.07	21.87	0.154	30.00	-8.13	
	70 MHz	π/2 BPSK	3735.00	-0.20	1 / 1	26.96	26.76	0.474	30.00	-3.24
3840.00			-0.20	1 / 187	26.90	26.70	0.468	30.00	-3.30	
3945.00			-0.20	1 / 90	26.99	26.79	0.478	30.00	-3.21	
QPSK		3735.00	-0.20	1 / 90	26.95	26.75	0.473	30.00	-3.25	
		3840.00	-0.20	1 / 187	27.00	26.80	0.479	30.00	-3.20	
		3945.00	-0.20	1 / 1	26.80	26.60	0.457	30.00	-3.40	
16-QAM		3945.00	-0.20	1 / 187	25.99	25.79	0.379	30.00	-4.21	
	64-QAM	3840.00	-0.20	1 / 1	25.01	24.81	0.303	30.00	-5.19	
	256-QAM	3840.00	-0.20	1 / 1	22.10	21.90	0.155	30.00	-8.10	
	80 MHz	π/2 BPSK	3740.01	-0.20	1 / 215	26.94	26.74	0.472	30.00	-3.26
3840.00			-0.20	1 / 108	26.83	26.63	0.460	30.00	-3.37	
3939.99			-0.20	1 / 108	26.95	26.75	0.473	30.00	-3.25	
QPSK		3740.01	-0.20	1 / 108	27.00	26.80	0.479	30.00	-3.20	
		3840.00	-0.20	1 / 1	26.63	26.43	0.440	30.00	-3.57	
		3939.99	-0.20	1 / 215	26.83	26.63	0.460	30.00	-3.37	
16-QAM		3740.01	-0.20	1 / 108	25.99	25.79	0.379	30.00	-4.21	
	64-QAM	3939.99	-0.20	1 / 108	24.99	24.79	0.301	30.00	-5.21	
	256-QAM	3740.01	-0.20	1 / 1	22.06	21.86	0.153	30.00	-8.14	
	90 MHz	π/2 BPSK	3745.02	-0.20	1 / 1	26.96	26.76	0.474	30.00	-3.24
3840.00			-0.20	1 / 120	26.93	26.73	0.471	30.00	-3.27	
3934.98			-0.20	1 / 243	26.83	26.63	0.460	30.00	-3.37	
QPSK		3745.02	-0.20	1 / 1	26.78	26.58	0.455	30.00	-3.42	
		3840.00	-0.20	1 / 243	27.00	26.80	0.479	30.00	-3.20	
		3934.98	-0.20	1 / 120	26.77	26.57	0.454	30.00	-3.43	
16-QAM		3934.98	-0.20	1 / 1	25.99	25.79	0.379	30.00	-4.21	
	64-QAM	3745.02	-0.20	1 / 1	24.96	24.76	0.299	30.00	-5.24	
	256-QAM	3934.98	-0.20	1 / 1	22.04	21.84	0.153	30.00	-8.16	
	100 MHz	π/2 BPSK	3750.00	-0.20	1 / 1	26.90	26.70	0.468	30.00	-3.30
3840.00			-0.20	1 / 271	26.91	26.71	0.469	30.00	-3.29	
3930.00			-0.20	1 / 271	26.94	26.74	0.472	30.00	-3.26	
QPSK		3750.00	-0.20	1 / 1	27.00	26.80	0.479	30.00	-3.20	
		3840.00	-0.20	1 / 135	26.94	26.74	0.472	30.00	-3.26	
		3930.00	-0.20	1 / 135	26.93	26.73	0.471	30.00	-3.27	
16-QAM		3930.00	-0.20	1 / 1	25.98	25.78	0.378	30.00	-4.22	
	64-QAM	3930.00	-0.20	1 / 1	25.01	24.81	0.303	30.00	-5.19	
	256-QAM	3840.00	-0.20	1 / 135	22.12	21.92	0.156	30.00	-8.08	

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 243 of 265

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	-0.20	1 / 12	25.49	25.29	0.338	30.00	-4.71
		3840.00	-0.20	1 / 22	25.70	25.50	0.355	30.00	-4.50
		3975.00	-0.20	1 / 12	25.70	25.50	0.355	30.00	-4.50
	QPSK	3705.00	-0.20	1 / 1	25.57	25.37	0.344	30.00	-4.63
		3840.00	-0.20	1 / 22	25.66	25.46	0.352	30.00	-4.54
		3975.00	-0.20	1 / 22	25.58	25.38	0.345	30.00	-4.62
	16-QAM	3705.00	-0.20	1 / 22	24.70	24.50	0.282	30.00	-5.50
	64-QAM	3705.00	-0.20	1 / 12	23.66	23.46	0.222	30.00	-6.54
	256-QAM	3705.00	-0.20	1 / 12	20.79	20.59	0.115	30.00	-9.41
	15 MHz	π/2 BPSK	3707.51	-0.20	1 / 1	25.57	25.37	0.344	30.00
3840.00			-0.20	1 / 18	25.54	25.34	0.342	30.00	-4.66
3972.50			-0.20	1 / 36	25.58	25.38	0.345	30.00	-4.62
QPSK		3707.51	-0.20	1 / 18	25.40	25.20	0.331	30.00	-4.80
		3840.00	-0.20	1 / 36	25.70	25.50	0.355	30.00	-4.50
		3972.50	-0.20	1 / 18	25.49	25.29	0.338	30.00	-4.71
16-QAM		3840.00	-0.20	1 / 18	24.69	24.49	0.281	30.00	-5.51
64-QAM		3707.51	-0.20	1 / 18	23.61	23.41	0.219	30.00	-6.59
256-QAM		3707.51	-0.20	1 / 1	20.80	20.60	0.115	30.00	-9.40
20 MHz		π/2 BPSK	3710.01	-0.20	1 / 1	25.70	25.50	0.355	30.00
	3840.00		-0.20	1 / 49	25.65	25.45	0.351	30.00	-4.55
	3969.99		-0.20	1 / 25	25.66	25.46	0.352	30.00	-4.54
	QPSK	3710.01	-0.20	1 / 25	25.68	25.48	0.353	30.00	-4.52
		3840.00	-0.20	1 / 25	25.36	25.16	0.328	30.00	-4.84
		3969.99	-0.20	1 / 1	25.35	25.15	0.327	30.00	-4.85
	16-QAM	3840.00	-0.20	1 / 49	24.65	24.45	0.279	30.00	-5.55
	64-QAM	3710.01	-0.20	1 / 25	23.66	23.46	0.222	30.00	-6.54
	256-QAM	3710.01	-0.20	1 / 25	20.77	20.57	0.114	30.00	-9.43
	30 MHz	π/2 BPSK	3715.02	-0.20	1 / 76	25.54	25.34	0.342	30.00
3840.00			-0.20	1 / 36	25.51	25.31	0.340	30.00	-4.69
3964.98			-0.20	1 / 36	25.70	25.50	0.355	30.00	-4.50
QPSK		3715.02	-0.20	1 / 76	25.63	25.43	0.349	30.00	-4.57
		3840.00	-0.20	1 / 1	25.60	25.40	0.347	30.00	-4.60
		3964.98	-0.20	1 / 36	25.44	25.24	0.334	30.00	-4.76
16-QAM		3964.98	-0.20	1 / 36	24.72	24.52	0.283	30.00	-5.48
64-QAM		3964.98	-0.20	1 / 1	23.72	23.52	0.225	30.00	-6.48
256-QAM		3840.00	-0.20	1 / 1	20.81	20.61	0.115	30.00	-9.39
40 MHz		π/2 BPSK	3720.00	-0.20	1 / 104	25.61	25.41	0.348	30.00
	3840.00		-0.20	1 / 50	25.70	25.50	0.355	30.00	-4.50
	3960.00		-0.20	1 / 104	25.55	25.35	0.343	30.00	-4.65
	QPSK	3720.00	-0.20	1 / 1	25.68	25.48	0.353	30.00	-4.52
		3840.00	-0.20	1 / 104	25.62	25.42	0.348	30.00	-4.58
		3960.00	-0.20	1 / 104	25.59	25.39	0.346	30.00	-4.61
	16-QAM	3960.00	-0.20	1 / 1	24.68	24.48	0.281	30.00	-5.52
	64-QAM	3840.00	-0.20	1 / 50	23.68	23.48	0.223	30.00	-6.52
	256-QAM	3720.00	-0.20	1 / 50	20.77	20.57	0.114	30.00	-9.43
	50 MHz	π/2 BPSK	3725.01	-0.20	1 / 1	25.59	25.39	0.346	30.00
3840.00			-0.20	1 / 64	25.66	25.46	0.352	30.00	-4.54
3954.99			-0.20	1 / 1	25.63	25.43	0.349	30.00	-4.57
QPSK		3725.01	-0.20	1 / 1	25.66	25.46	0.352	30.00	-4.54
		3840.00	-0.20	1 / 64	25.70	25.50	0.355	30.00	-4.50
		3954.99	-0.20	1 / 1	25.68	25.48	0.353	30.00	-4.52
16-QAM		3954.99	-0.20	1 / 1	24.73	24.53	0.284	30.00	-5.47
64-QAM		3725.01	-0.20	1 / 1	23.65	23.45	0.221	30.00	-6.55
256-QAM		3725.01	-0.20	1 / 131	20.81	20.61	0.115	30.00	-9.39
60 MHz		π/2 BPSK	3730.02	-0.20	1 / 1	25.70	25.50	0.355	30.00
	3840.00		-0.20	1 / 81	25.66	25.46	0.352	30.00	-4.54
	3949.98		-0.20	1 / 1	25.54	25.34	0.342	30.00	-4.66
	QPSK	3730.02	-0.20	1 / 160	25.61	25.41	0.348	30.00	-4.59
		3840.00	-0.20	1 / 81	25.58	25.38	0.345	30.00	-4.62
		3949.98	-0.20	1 / 1	25.70	25.50	0.355	30.00	-4.50
	16-QAM	3840.00	-0.20	1 / 1	24.66	24.46	0.279	30.00	-5.54
	64-QAM	3730.02	-0.20	1 / 1	23.70	23.50	0.224	30.00	-6.50
	256-QAM	3949.98	-0.20	1 / 81	20.79	20.59	0.115	30.00	-9.41
	70 MHz	π/2 BPSK	3735.00	-0.20	1 / 1	25.70	25.50	0.355	30.00
3840.00			-0.20	1 / 187	25.47	25.27	0.337	30.00	-4.73
3945.00			-0.20	1 / 1	25.47	25.27	0.337	30.00	-4.73
QPSK		3735.00	-0.20	1 / 1	25.58	25.38	0.345	30.00	-4.62
		3840.00	-0.20	1 / 1	25.58	25.38	0.345	30.00	-4.62
		3945.00	-0.20	1 / 90	25.62	25.42	0.348	30.00	-4.58
16-QAM		3840.00	-0.20	1 / 90	24.65	24.45	0.279	30.00	-5.55
64-QAM		3735.00	-0.20	1 / 90	23.70	23.50	0.224	30.00	-6.50
256-QAM		3840.00	-0.20	1 / 187	20.71	20.51	0.112	30.00	-9.49
80 MHz		π/2 BPSK	3740.01	-0.20	1 / 1	25.36	25.16	0.328	30.00
	3840.00		-0.20	1 / 1	25.66	25.46	0.352	30.00	-4.54
	3939.99		-0.20	1 / 215	25.70	25.50	0.355	30.00	-4.50
	QPSK	3740.01	-0.20	1 / 1	25.44	25.24	0.334	30.00	-4.76
		3840.00	-0.20	1 / 1	25.66	25.46	0.352	30.00	-4.54
		3939.99	-0.20	1 / 108	25.59	25.39	0.346	30.00	-4.61
	16-QAM	3840.00	-0.20	1 / 108	24.67	24.47	0.280	30.00	-5.53
	64-QAM	3840.00	-0.20	1 / 108	23.68	23.48	0.223	30.00	-6.52
	256-QAM	3939.99	-0.20	1 / 108	20.80	20.60	0.115	30.00	-9.40
	90 MHz	π/2 BPSK	3745.02	-0.20	1 / 243	25.51	25.31	0.340	30.00
3840.00			-0.20	1 / 1	25.49	25.29	0.338	30.00	-4.71
3934.98			-0.20	1 / 1	25.49	25.29	0.338	30.00	-4.71
QPSK		3745.02	-0.20	1 / 120	25.53	25.33	0.341	30.00	-4.67
		3840.00	-0.20	1 / 243	25.70	25.50	0.355	30.00	-4.50
		3934.98	-0.20	1 / 120	25.59	25.39	0.346	30.00	-4.61
16-QAM		3745.02	-0.20	1 / 243	24.65	24.45	0.279	30.00	-5.55
64-QAM		3934.98	-0.20	1 / 243	23.56	23.36	0.217	30.00	-6.64
256-QAM		3840.00	-0.20	1 / 243	20.80	20.60	0.115	30.00	-9.40
100 MHz		π/2 BPSK	3750.00	-0.20	1 / 135	25.68	25.48	0.353	30.00
	3840.00		-0.20	1 / 271	25.69	25.49	0.354	30.00	-4.51
	3930.00		-0.20	1 / 1	25.57	25.37	0.344	30.00	-4.63
	QPSK	3750.00	-0.20	1 / 1	25.63	25.43	0.349	30.00	-4.57
		3840.00	-0.20	1 / 135	25.69	25.49	0.354	30.00	-4.51
		3930.00	-0.20	1 / 1	25.70	25.50	0.355	30.00	-4.50
16-QAM	3750.00	-0.20	1 / 271	24.67	24.47	0.280	30.00	-5.53	
64-QAM	3840.00	-0.20	1 / 271	23.57	23.37	0.217	30.00	-6.63	
256-QAM	3840.00	-0.20	1 / 271	20.81	20.61	0.115	30.00	-9.39	

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

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 244 of 265

7.6.4 Antenna 2b – 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	-3.00	1 / 12	23.39	20.39	0.109	30.00	-9.61	
		3500.01	-3.00	1 / 1	23.23	20.23	0.105	30.00	-9.77	
		3544.98	-3.00	1 / 12	23.41	20.41	0.110	30.00	-9.59	
	QPSK	3455.01	-3.00	1 / 22	23.20	20.20	0.105	30.00	-9.80	
		3500.01	-3.00	1 / 12	23.50	20.50	0.112	30.00	-9.50	
		3544.98	-3.00	1 / 22	23.50	20.50	0.112	30.00	-9.50	
	16-QAM	3455.01	-3.00	1 / 22	22.44	19.44	0.088	30.00	-10.56	
		3500.01	-3.00	1 / 12	21.50	18.50	0.071	30.00	-11.50	
		256-QAM	3455.01	-3.00	1 / 1	18.58	15.58	0.036	30.00	-14.42
15 MHz	π/2 BPSK	3457.50	-3.00	1 / 18	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 36	23.24	20.24	0.106	30.00	-9.76	
		3542.49	-3.00	1 / 36	23.42	20.42	0.110	30.00	-9.58	
	QPSK	3457.50	-3.00	1 / 36	23.29	20.29	0.107	30.00	-9.71	
		3500.01	-3.00	1 / 1	23.31	20.31	0.107	30.00	-9.69	
		3542.49	-3.00	1 / 1	23.27	20.27	0.106	30.00	-9.73	
	16-QAM	3542.49	-3.00	1 / 18	22.41	19.41	0.087	30.00	-10.59	
		3542.49	-3.00	1 / 1	21.45	18.45	0.070	30.00	-11.55	
		256-QAM	3542.49	-3.00	1 / 1	18.43	15.43	0.036	30.00	-14.57
20 MHz	π/2 BPSK	3460.02	-3.00	1 / 49	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 25	23.31	20.31	0.107	30.00	-9.69	
		3540.00	-3.00	1 / 25	23.45	20.45	0.111	30.00	-9.55	
	QPSK	3460.02	-3.00	1 / 25	23.29	20.29	0.107	30.00	-9.71	
		3500.01	-3.00	1 / 1	23.41	20.41	0.110	30.00	-9.59	
		3540.00	-3.00	1 / 1	23.50	20.50	0.112	30.00	-9.50	
	16-QAM	3460.02	-3.00	1 / 49	22.50	19.50	0.089	30.00	-10.50	
		3460.02	-3.00	1 / 49	21.49	18.49	0.071	30.00	-11.51	
		256-QAM	3500.01	-3.00	1 / 49	18.61	15.61	0.036	30.00	-14.39
30 MHz	π/2 BPSK	3465.00	-3.00	1 / 1	23.19	20.19	0.104	30.00	-9.81	
		3500.01	-3.00	1 / 36	23.50	20.50	0.112	30.00	-9.50	
		3534.99	-3.00	1 / 36	23.38	20.38	0.109	30.00	-9.62	
	QPSK	3465.00	-3.00	1 / 76	23.47	20.47	0.111	30.00	-9.53	
		3500.01	-3.00	1 / 76	23.40	20.40	0.110	30.00	-9.60	
		3534.99	-3.00	1 / 76	23.41	20.41	0.110	30.00	-9.59	
	16-QAM	3534.99	-3.00	1 / 76	22.34	19.34	0.086	30.00	-10.66	
		64-QAM	3534.99	-3.00	1 / 1	21.45	18.45	0.070	30.00	-11.55
		256-QAM	3534.99	-3.00	1 / 76	18.59	15.59	0.036	30.00	-14.41
40 MHz	π/2 BPSK	3470.01	-3.00	1 / 1	23.20	20.20	0.105	30.00	-9.80	
		3500.01	-3.00	1 / 50	23.22	20.22	0.105	30.00	-9.78	
		3529.98	-3.00	1 / 1	23.32	20.32	0.108	30.00	-9.68	
	QPSK	3470.01	-3.00	1 / 50	23.26	20.26	0.106	30.00	-9.74	
		3500.01	-3.00	1 / 1	23.50	20.50	0.112	30.00	-9.50	
		3529.98	-3.00	1 / 104	23.50	20.50	0.112	30.00	-9.50	
	16-QAM	3500.01	-3.00	1 / 1	22.43	19.43	0.088	30.00	-10.57	
		64-QAM	3500.01	-3.00	1 / 104	21.49	18.49	0.071	30.00	-11.51
		256-QAM	3529.98	-3.00	1 / 1	18.56	15.56	0.036	30.00	-14.44
50 MHz	π/2 BPSK	3475.02	-3.00	1 / 131	23.42	20.42	0.110	30.00	-9.58	
		3500.01	-3.00	1 / 64	23.50	20.50	0.112	30.00	-9.50	
		3525.00	-3.00	1 / 64	23.43	20.43	0.110	30.00	-9.57	
	QPSK	3475.02	-3.00	1 / 64	23.42	20.42	0.110	30.00	-9.58	
		3500.01	-3.00	1 / 1	23.23	20.23	0.105	30.00	-9.77	
		3525.00	-3.00	1 / 1	23.47	20.47	0.111	30.00	-9.53	
	16-QAM	3500.01	-3.00	1 / 131	22.47	19.47	0.089	30.00	-10.53	
		64-QAM	3525.00	-3.00	1 / 64	21.45	18.45	0.070	30.00	-11.55
		256-QAM	3475.02	-3.00	1 / 64	18.59	15.59	0.036	30.00	-14.41
60 MHz	π/2 BPSK	3480.00	-3.00	1 / 160	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 1	23.46	20.46	0.111	30.00	-9.54	
		3519.99	-3.00	1 / 160	23.48	20.48	0.112	30.00	-9.52	
	QPSK	3480.00	-3.00	1 / 81	23.32	20.32	0.108	30.00	-9.68	
		3500.01	-3.00	1 / 1	23.19	20.19	0.104	30.00	-9.81	
		3519.99	-3.00	1 / 81	23.36	20.36	0.109	30.00	-9.64	
	16-QAM	3500.01	-3.00	1 / 81	22.37	19.37	0.086	30.00	-10.63	
		64-QAM	3480.00	-3.00	1 / 1	21.49	18.49	0.071	30.00	-11.51
		256-QAM	3480.00	-3.00	1 / 81	18.60	15.60	0.036	30.00	-14.40
70 MHz	π/2 BPSK	3485.01	-3.00	1 / 1	23.41	20.41	0.110	30.00	-9.59	
		3500.01	-3.00	1 / 1	23.36	20.36	0.109	30.00	-9.64	
		3514.98	-3.00	1 / 90	23.42	20.42	0.110	30.00	-9.58	
	QPSK	3485.01	-3.00	1 / 1	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 90	23.42	20.42	0.110	30.00	-9.58	
		3514.98	-3.00	1 / 187	23.42	20.42	0.110	30.00	-9.58	
	16-QAM	3485.01	-3.00	1 / 1	22.55	19.55	0.090	30.00	-10.45	
		64-QAM	3500.01	-3.00	1 / 1	21.55	18.55	0.072	30.00	-11.45
		256-QAM	3514.98	-3.00	1 / 1	18.57	15.57	0.036	30.00	-14.43
80 MHz	π/2 BPSK	3490.02	-3.00	1 / 215	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 108	23.36	20.36	0.109	30.00	-9.64	
		3510.00	-3.00	1 / 215	23.43	20.43	0.110	30.00	-9.57	
	QPSK	3490.02	-3.00	1 / 1	23.44	20.44	0.111	30.00	-9.56	
		3500.01	-3.00	1 / 108	23.44	20.44	0.111	30.00	-9.56	
		3510.00	-3.00	1 / 1	23.50	20.50	0.112	30.00	-9.50	
	16-QAM	3490.02	-3.00	1 / 215	22.48	19.48	0.089	30.00	-10.52	
		64-QAM	3500.01	-3.00	1 / 108	21.45	18.45	0.070	30.00	-11.55
		256-QAM	3490.02	-3.00	1 / 215	18.60	15.60	0.036	30.00	-14.40
90 MHz	π/2 BPSK	3495.00	-3.00	1 / 1	23.49	20.49	0.112	30.00	-9.51	
		3500.01	-3.00	1 / 120	23.23	20.23	0.105	30.00	-9.77	
		3504.99	-3.00	1 / 1	23.17	20.17	0.104	30.00	-9.83	
	QPSK	3495.00	-3.00	1 / 243	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 120	23.32	20.32	0.108	30.00	-9.68	
		3504.99	-3.00	1 / 120	23.40	20.40	0.110	30.00	-9.60	
	16-QAM	3495.00	-3.00	1 / 243	22.52	19.52	0.090	30.00	-10.48	
		64-QAM	3504.99	-3.00	1 / 1	21.41	18.41	0.069	30.00	-11.59
		256-QAM	3504.99	-3.00	1 / 120	18.58	15.58	0.036	30.00	-14.42
100 MHz	π/2 BPSK	3500.01	-3.00	1 / 135	23.29	20.29	0.107	30.00	-9.71	
		3500.01	-3.00	1 / 135	23.24	20.24	0.106	30.00	-9.76	
	16-QAM	3500.01	-3.00	1 / 1	22.56	19.56	0.090	30.00	-10.44	
		64-QAM	3500.01	-3.00	1 / 135	21.58	18.58	0.072	30.00	-11.42
	256-QAM	3500.01	-3.00	1 / 135	18.58	15.58	0.036	30.00	-14.42	

Table 7-14. Antenna 2b EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 245 of 265

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	-3.00	1 / 1	23.32	20.32	0.108	30.00	-9.68	
		3500.01	-3.00	1 / 12	23.50	20.50	0.112	30.00	-9.50	
		3544.98	-3.00	1 / 12	23.40	20.40	0.110	30.00	-9.60	
	QPSK	3455.01	-3.00	1 / 1	23.46	20.46	0.111	30.00	-9.54	
		3500.01	-3.00	1 / 1	23.20	20.20	0.105	30.00	-9.80	
		3544.98	-3.00	1 / 1	23.21	20.21	0.105	30.00	-9.79	
16-QAM	3500.01	-3.00	1 / 12	22.50	19.50	0.089	30.00	-10.50		
	64-QAM	3544.98	-3.00	1 / 12	21.45	18.45	0.070	30.00	-11.55	
	256-QAM	3544.98	-3.00	1 / 12	18.60	15.60	0.036	30.00	-14.40	
15 MHz	π/2 BPSK	3457.50	-3.00	1 / 18	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 18	23.49	20.49	0.112	30.00	-9.51	
		3542.49	-3.00	1 / 36	23.50	20.50	0.112	30.00	-9.50	
	QPSK	3457.50	-3.00	1 / 18	23.40	20.40	0.110	30.00	-9.60	
		3500.01	-3.00	1 / 36	23.22	20.22	0.105	30.00	-9.78	
		3542.49	-3.00	1 / 1	23.41	20.41	0.110	30.00	-9.59	
	16-QAM	3500.01	-3.00	1 / 18	22.52	19.52	0.090	30.00	-10.48	
		64-QAM	3457.50	-3.00	1 / 1	21.33	18.33	0.068	30.00	-11.67
		256-QAM	3457.50	-3.00	1 / 1	18.52	15.52	0.036	30.00	-14.48
	20 MHz	π/2 BPSK	3460.02	-3.00	1 / 1	23.43	20.43	0.110	30.00	-9.57
			3500.01	-3.00	1 / 25	23.45	20.45	0.111	30.00	-9.55
			3540.00	-3.00	1 / 25	23.30	20.30	0.107	30.00	-9.70
QPSK		3460.02	-3.00	1 / 25	23.32	20.32	0.108	30.00	-9.68	
		3500.01	-3.00	1 / 25	23.50	20.50	0.112	30.00	-9.50	
		3540.00	-3.00	1 / 25	23.28	20.28	0.107	30.00	-9.72	
16-QAM		3500.01	-3.00	1 / 49	22.49	19.49	0.089	30.00	-10.51	
		64-QAM	3500.01	-3.00	1 / 49	21.49	18.49	0.071	30.00	-11.51
		256-QAM	3540.00	-3.00	1 / 25	18.60	15.60	0.036	30.00	-14.40
30 MHz		π/2 BPSK	3465.00	-3.00	1 / 76	23.37	20.37	0.109	30.00	-9.63
			3500.01	-3.00	1 / 36	23.48	20.48	0.112	30.00	-9.52
			3534.99	-3.00	1 / 76	23.50	20.50	0.112	30.00	-9.50
	QPSK	3465.00	-3.00	1 / 1	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 1	23.28	20.28	0.107	30.00	-9.72	
		3534.99	-3.00	1 / 36	23.35	20.35	0.108	30.00	-9.65	
	16-QAM	3465.00	-3.00	1 / 36	22.46	19.46	0.088	30.00	-10.54	
		64-QAM	3500.01	-3.00	1 / 1	21.33	18.33	0.068	30.00	-11.67
		256-QAM	3465.00	-3.00	1 / 1	18.58	15.58	0.036	30.00	-14.42
	40 MHz	π/2 BPSK	3470.01	-3.00	1 / 50	23.49	20.49	0.112	30.00	-9.51
			3500.01	-3.00	1 / 50	23.15	20.15	0.104	30.00	-9.85
			3529.98	-3.00	1 / 104	23.38	20.38	0.109	30.00	-9.62
QPSK		3470.01	-3.00	1 / 50	23.33	20.33	0.108	30.00	-9.67	
		3500.01	-3.00	1 / 50	23.50	20.50	0.112	30.00	-9.50	
		3529.98	-3.00	1 / 50	23.42	20.42	0.110	30.00	-9.58	
16-QAM		3470.01	-3.00	1 / 1	22.47	19.47	0.089	30.00	-10.53	
		64-QAM	3529.98	-3.00	1 / 50	21.44	18.44	0.070	30.00	-11.56
		256-QAM	3500.01	-3.00	1 / 1	18.59	15.59	0.036	30.00	-14.41
50 MHz		π/2 BPSK	3475.02	-3.00	1 / 131	23.29	20.29	0.107	30.00	-9.71
			3500.01	-3.00	1 / 131	23.28	20.28	0.107	30.00	-9.72
			3525.00	-3.00	1 / 1	23.50	20.50	0.112	30.00	-9.50
	QPSK	3475.02	-3.00	1 / 64	23.49	20.49	0.112	30.00	-9.51	
		3500.01	-3.00	1 / 64	23.36	20.36	0.109	30.00	-9.64	
		3525.00	-3.00	1 / 131	23.49	20.49	0.112	30.00	-9.51	
	16-QAM	3525.00	-3.00	1 / 131	22.51	19.51	0.089	30.00	-10.49	
		64-QAM	3525.00	-3.00	1 / 64	21.50	18.50	0.071	30.00	-11.50
		256-QAM	3500.01	-3.00	1 / 64	18.68	15.68	0.037	30.00	-14.32
	60 MHz	π/2 BPSK	3480.00	-3.00	1 / 160	23.31	20.31	0.107	30.00	-9.69
			3500.01	-3.00	1 / 1	23.33	20.33	0.108	30.00	-9.67
			3519.99	-3.00	1 / 160	23.42	20.42	0.110	30.00	-9.58
QPSK		3480.00	-3.00	1 / 160	23.50	20.50	0.112	30.00	-9.50	
		3500.01	-3.00	1 / 1	23.50	20.50	0.112	30.00	-9.50	
		3519.99	-3.00	1 / 160	23.36	20.36	0.109	30.00	-9.64	
16-QAM		3519.99	-3.00	1 / 160	22.46	19.46	0.088	30.00	-10.54	
		64-QAM	3480.00	-3.00	1 / 1	21.47	18.47	0.070	30.00	-11.53
		256-QAM	3480.00	-3.00	1 / 81	18.61	15.61	0.036	30.00	-14.39
70 MHz		π/2 BPSK	3485.01	-3.00	1 / 187	23.42	20.42	0.110	30.00	-9.58
			3500.01	-3.00	1 / 187	23.42	20.42	0.110	30.00	-9.58
			3514.98	-3.00	1 / 187	23.03	20.03	0.101	30.00	-9.97
	QPSK	3485.01	-3.00	1 / 90	23.37	20.37	0.109	30.00	-9.63	
		3500.01	-3.00	1 / 187	23.50	20.50	0.112	30.00	-9.50	
		3514.98	-3.00	1 / 187	23.43	20.43	0.110	30.00	-9.57	
	16-QAM	3500.01	-3.00	1 / 1	22.43	19.43	0.088	30.00	-10.57	
		64-QAM	3485.01	-3.00	1 / 187	21.50	18.50	0.071	30.00	-11.50
		256-QAM	3514.98	-3.00	1 / 187	18.58	15.58	0.036	30.00	-14.42
	80 MHz	π/2 BPSK	3490.02	-3.00	1 / 215	23.42	20.42	0.110	30.00	-9.58
			3500.01	-3.00	1 / 1	23.48	20.48	0.112	30.00	-9.52
			3510.00	-3.00	1 / 108	23.38	20.38	0.109	30.00	-9.62
QPSK		3490.02	-3.00	1 / 1	23.12	20.12	0.103	30.00	-9.88	
		3500.01	-3.00	1 / 215	23.30	20.30	0.107	30.00	-9.70	
		3510.00	-3.00	1 / 1	23.50	20.50	0.112	30.00	-9.50	
16-QAM		3490.02	-3.00	1 / 108	22.45	19.45	0.088	30.00	-10.55	
		64-QAM	3500.01	-3.00	1 / 108	21.49	18.49	0.071	30.00	-11.51
		256-QAM	3490.02	-3.00	1 / 108	18.57	15.57	0.036	30.00	-14.43
90 MHz		π/2 BPSK	3495.00	-3.00	1 / 243	23.47	20.47	0.111	30.00	-9.53
			3500.01	-3.00	1 / 1	23.47	20.47	0.111	30.00	-9.53
			3504.99	-3.00	1 / 243	23.50	20.50	0.112	30.00	-9.50
	QPSK	3495.00	-3.00	1 / 1	23.49	20.49	0.112	30.00	-9.51	
		3500.01	-3.00	1 / 120	23.43	20.43	0.110	30.00	-9.57	
		3504.99	-3.00	1 / 1	23.45	20.45	0.111	30.00	-9.55	
	16-QAM	3500.01	-3.00	1 / 1	22.59	19.59	0.091	30.00	-10.41	
		64-QAM	3495.00	-3.00	1 / 243	21.64	18.64	0.073	30.00	-11.36
		256-QAM	3500.01	-3.00	1 / 243	18.74	15.74	0.037	30.00	-14.26
	100 MHz	π/2 BPSK	3500.01	-3.00	1 / 1	23.43	20.43	0.110	30.00	-9.57
			3500.01	-3.00	1 / 271	23.50	20.50	0.112	30.00	-9.50
		QPSK	3500.01	-3.00	1 / 135	22.39	19.39	0.087	30.00	-10.61
3500.01			-3.00	1 / 1	21.49	18.49	0.071	30.00	-11.51	
16-QAM		3500.01	-3.00	1 / 1	18.48	15.48	0.035	30.00	-14.52	

Table 7-15. Antenna 2b EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 246 of 265

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-1.00	1 / 1	23.38	22.38	0.173	30.00	-7.62
		3840.00	-1.00	1 / 12	23.50	22.50	0.178	30.00	-7.50
		3975.00	-1.00	1 / 12	23.23	22.23	0.167	30.00	-7.77
	QPSK	3705.00	-1.00	1 / 22	23.24	22.24	0.167	30.00	-7.76
		3840.00	-1.00	1 / 1	23.45	22.45	0.176	30.00	-7.55
		3975.00	-1.00	1 / 12	23.42	22.42	0.175	30.00	-7.58
	16-QAM	3975.00	-1.00	1 / 1	22.47	21.47	0.140	30.00	-8.53
64-QAM	3705.00	-1.00	1 / 1	21.26	20.26	0.106	30.00	-9.74	
256-QAM	3705.00	-1.00	1 / 12	18.60	17.60	0.058	30.00	-12.40	
15 MHz	π/2 BPSK	3707.51	-1.00	1 / 1	23.49	22.49	0.177	30.00	-7.51
		3840.00	-1.00	1 / 1	23.32	22.32	0.171	30.00	-7.68
		3972.50	-1.00	1 / 18	23.32	22.32	0.171	30.00	-7.68
	QPSK	3707.51	-1.00	1 / 18	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 36	23.42	22.42	0.175	30.00	-7.58
		3972.50	-1.00	1 / 18	23.32	22.32	0.171	30.00	-7.68
	16-QAM	3707.51	-1.00	1 / 1	22.40	21.40	0.138	30.00	-8.60
64-QAM	3840.00	-1.00	1 / 1	21.44	20.44	0.111	30.00	-9.56	
256-QAM	3840.00	-1.00	1 / 36	18.56	17.56	0.057	30.00	-12.44	
20 MHz	π/2 BPSK	3710.01	-1.00	1 / 49	23.43	22.43	0.175	30.00	-7.57
		3840.00	-1.00	1 / 25	23.50	22.50	0.178	30.00	-7.50
		3969.99	-1.00	1 / 49	23.21	22.21	0.166	30.00	-7.79
	QPSK	3710.01	-1.00	1 / 25	23.30	22.30	0.170	30.00	-7.70
		3840.00	-1.00	1 / 1	23.19	22.19	0.166	30.00	-7.81
		3969.99	-1.00	1 / 49	23.47	22.47	0.177	30.00	-7.53
	16-QAM	3710.01	-1.00	1 / 49	22.41	21.41	0.138	30.00	-8.59
64-QAM	3840.00	-1.00	1 / 49	21.47	20.47	0.111	30.00	-9.53	
256-QAM	3969.99	-1.00	1 / 25	18.58	17.58	0.057	30.00	-12.42	
30 MHz	π/2 BPSK	3715.02	-1.00	1 / 1	23.33	22.33	0.171	30.00	-7.67
		3840.00	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3964.98	-1.00	1 / 36	23.44	22.44	0.175	30.00	-7.56
	QPSK	3715.02	-1.00	1 / 1	23.39	22.39	0.173	30.00	-7.61
		3840.00	-1.00	1 / 76	23.50	22.50	0.178	30.00	-7.50
		3964.98	-1.00	1 / 76	23.44	22.44	0.175	30.00	-7.56
	16-QAM	3715.02	-1.00	1 / 1	22.58	21.58	0.144	30.00	-8.42
64-QAM	3715.02	-1.00	1 / 1	21.59	20.59	0.115	30.00	-9.41	
256-QAM	3964.98	-1.00	1 / 76	18.64	17.64	0.058	30.00	-12.36	
40 MHz	π/2 BPSK	3720.00	-1.00	1 / 1	23.24	22.24	0.167	30.00	-7.76
		3840.00	-1.00	1 / 50	23.49	22.49	0.177	30.00	-7.51
		3960.00	-1.00	1 / 104	23.50	22.50	0.178	30.00	-7.50
	QPSK	3720.00	-1.00	1 / 1	23.19	22.19	0.166	30.00	-7.81
		3840.00	-1.00	1 / 50	23.40	22.40	0.174	30.00	-7.60
		3960.00	-1.00	1 / 104	23.32	22.32	0.171	30.00	-7.68
	16-QAM	3960.00	-1.00	1 / 50	22.49	21.49	0.141	30.00	-8.51
64-QAM	3960.00	-1.00	1 / 50	21.48	20.48	0.112	30.00	-9.52	
256-QAM	3960.00	-1.00	1 / 104	18.63	17.63	0.058	30.00	-12.37	
50 MHz	π/2 BPSK	3725.01	-1.00	1 / 1	23.20	22.20	0.166	30.00	-7.80
		3840.00	-1.00	1 / 1	23.32	22.32	0.171	30.00	-7.68
		3954.99	-1.00	1 / 131	23.46	22.46	0.176	30.00	-7.54
	QPSK	3725.01	-1.00	1 / 64	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 131	23.48	22.48	0.177	30.00	-7.52
		3954.99	-1.00	1 / 64	23.38	22.38	0.173	30.00	-7.62
	16-QAM	3725.01	-1.00	1 / 1	22.48	21.48	0.141	30.00	-8.52
64-QAM	3954.99	-1.00	1 / 1	21.49	20.49	0.112	30.00	-9.51	
256-QAM	3954.99	-1.00	1 / 131	18.64	17.64	0.058	30.00	-12.36	
60 MHz	π/2 BPSK	3730.02	-1.00	1 / 1	23.29	22.29	0.169	30.00	-7.71
		3840.00	-1.00	1 / 160	23.26	22.26	0.168	30.00	-7.74
		3949.98	-1.00	1 / 160	23.27	22.27	0.169	30.00	-7.73
	QPSK	3730.02	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 1	23.20	22.20	0.166	30.00	-7.80
		3949.98	-1.00	1 / 160	23.50	22.50	0.178	30.00	-7.50
	16-QAM	3949.98	-1.00	1 / 160	22.55	21.55	0.143	30.00	-8.45
64-QAM	3730.02	-1.00	1 / 81	21.51	20.51	0.112	30.00	-9.49	
256-QAM	3730.02	-1.00	1 / 160	18.64	17.64	0.058	30.00	-12.36	
70 MHz	π/2 BPSK	3735.00	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 90	23.28	22.28	0.169	30.00	-7.72
		3945.00	-1.00	1 / 187	23.33	22.33	0.171	30.00	-7.67
	QPSK	3735.00	-1.00	1 / 187	23.37	22.37	0.173	30.00	-7.63
		3840.00	-1.00	1 / 90	23.31	22.31	0.170	30.00	-7.69
		3945.00	-1.00	1 / 187	23.44	22.44	0.175	30.00	-7.56
	16-QAM	3840.00	-1.00	1 / 1	22.38	21.38	0.137	30.00	-8.62
64-QAM	3945.00	-1.00	1 / 90	21.38	20.38	0.109	30.00	-9.62	
256-QAM	3945.00	-1.00	1 / 90	18.60	17.60	0.058	30.00	-12.40	
80 MHz	π/2 BPSK	3740.01	-1.00	1 / 215	23.41	22.41	0.174	30.00	-7.59
		3840.00	-1.00	1 / 1	23.49	22.49	0.177	30.00	-7.51
		3939.99	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
	QPSK	3740.01	-1.00	1 / 215	23.37	22.37	0.173	30.00	-7.63
		3840.00	-1.00	1 / 215	23.46	22.46	0.176	30.00	-7.54
		3939.99	-1.00	1 / 215	23.43	22.43	0.175	30.00	-7.57
	16-QAM	3740.01	-1.00	1 / 108	22.43	21.43	0.139	30.00	-8.57
64-QAM	3939.99	-1.00	1 / 215	21.49	20.49	0.112	30.00	-9.51	
256-QAM	3939.99	-1.00	1 / 215	18.60	17.60	0.058	30.00	-12.40	
90 MHz	π/2 BPSK	3745.02	-1.00	1 / 1	23.30	22.30	0.170	30.00	-7.70
		3840.00	-1.00	1 / 243	23.24	22.24	0.167	30.00	-7.76
		3934.98	-1.00	1 / 243	23.41	22.41	0.174	30.00	-7.59
	QPSK	3745.02	-1.00	1 / 243	23.27	22.27	0.169	30.00	-7.73
		3840.00	-1.00	1 / 243	23.49	22.49	0.177	30.00	-7.51
		3934.98	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
	16-QAM	3745.02	-1.00	1 / 1	22.46	21.46	0.140	30.00	-8.54
64-QAM	3745.02	-1.00	1 / 120	21.52	20.52	0.113	30.00	-9.48	
256-QAM	3745.02	-1.00	1 / 120	18.61	17.61	0.058	30.00	-12.39	
100 MHz	π/2 BPSK	3750.00	-1.00	1 / 135	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 135	23.37	22.37	0.173	30.00	-7.63
		3930.00	-1.00	1 / 1	23.41	22.41	0.174	30.00	-7.59
	QPSK	3750.00	-1.00	1 / 135	23.15	22.15	0.164	30.00	-7.85
		3840.00	-1.00	1 / 1	23.49	22.49	0.177	30.00	-7.51
		3930.00	-1.00	1 / 135	23.42	22.42	0.175	30.00	-7.58
	16-QAM	3750.00	-1.00	1 / 135	22.56	21.56	0.143	30.00	-8.44
64-QAM	3750.00	-1.00	1 / 271	21.50	20.50	0.112	30.00	-9.50	
256-QAM	3750.00	-1.00	1 / 135	18.66	17.66	0.058	30.00	-12.34	

Table 7-16. Antenna 2b EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2926		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-11.BCG	Test Dates: 10/1/2023 - 3/20/2024	EUT Type: Tablet Device	Page 247 of 265

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	-1.00	1 / 12	23.42	22.42	0.175	30.00	-7.58
		3840.00	-1.00	1 / 22	23.50	22.50	0.178	30.00	-7.50
		3975.00	-1.00	1 / 22	23.23	22.23	0.167	30.00	-7.77
	QPSK	3705.00	-1.00	1 / 22	23.49	22.49	0.177	30.00	-7.51
		3840.00	-1.00	1 / 12	23.41	22.41	0.174	30.00	-7.59
		3975.00	-1.00	1 / 1	23.41	22.41	0.174	30.00	-7.59
	16-QAM	3705.00	-1.00	1 / 1	22.54	21.54	0.143	30.00	-8.46
	64-QAM	3705.00	-1.00	1 / 12	21.54	20.54	0.113	30.00	-9.46
256-QAM	3975.00	-1.00	1 / 22	18.64	17.64	0.058	30.00	-12.36	
15 MHz	11/2 BPSK	3707.51	-1.00	1 / 18	23.34	22.34	0.171	30.00	-7.66
		3840.00	-1.00	1 / 36	23.45	22.45	0.176	30.00	-7.55
		3972.50	-1.00	1 / 18	23.50	22.50	0.178	30.00	-7.50
	QPSK	3707.51	-1.00	1 / 18	23.30	22.30	0.170	30.00	-7.70
		3840.00	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3972.50	-1.00	1 / 18	23.49	22.49	0.177	30.00	-7.51
	16-QAM	3840.00	-1.00	1 / 1	22.44	21.44	0.139	30.00	-8.56
	64-QAM	3972.50	-1.00	1 / 1	21.50	20.50	0.112	30.00	-9.50
256-QAM	3972.50	-1.00	1 / 1	18.60	17.60	0.058	30.00	-12.40	
20 MHz	11/2 BPSK	3710.01	-1.00	1 / 1	23.33	22.33	0.171	30.00	-7.67
		3840.00	-1.00	1 / 25	23.50	22.50	0.178	30.00	-7.50
		3969.99	-1.00	1 / 25	23.49	22.49	0.177	30.00	-7.51
	QPSK	3710.01	-1.00	1 / 25	23.44	22.44	0.175	30.00	-7.56
		3840.00	-1.00	1 / 49	23.50	22.50	0.178	30.00	-7.50
		3969.99	-1.00	1 / 49	23.36	22.36	0.172	30.00	-7.64
	16-QAM	3710.01	-1.00	1 / 1	22.38	21.38	0.137	30.00	-8.62
	64-QAM	3710.01	-1.00	1 / 1	21.49	20.49	0.112	30.00	-9.51
256-QAM	3710.01	-1.00	1 / 25	18.58	17.58	0.057	30.00	-12.42	
30 MHz	11/2 BPSK	3715.02	-1.00	1 / 36	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 36	23.48	22.48	0.177	30.00	-7.52
		3964.98	-1.00	1 / 36	23.28	22.28	0.169	30.00	-7.72
	QPSK	3715.02	-1.00	1 / 36	23.46	22.46	0.176	30.00	-7.54
		3840.00	-1.00	1 / 1	23.34	22.34	0.171	30.00	-7.66
		3964.98	-1.00	1 / 76	23.33	22.33	0.171	30.00	-7.67
	16-QAM	3715.02	-1.00	1 / 76	22.54	21.54	0.143	30.00	-8.46
	64-QAM	3715.02	-1.00	1 / 36	21.50	20.50	0.112	30.00	-9.50
256-QAM	3715.02	-1.00	1 / 76	18.60	17.60	0.058	30.00	-12.40	
40 MHz	11/2 BPSK	3720.00	-1.00	1 / 50	23.33	22.33	0.171	30.00	-7.67
		3840.00	-1.00	1 / 1	23.33	22.33	0.171	30.00	-7.67
		3960.00	-1.00	1 / 1	23.42	22.42	0.175	30.00	-7.58
	QPSK	3720.00	-1.00	1 / 104	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 104	23.42	22.42	0.175	30.00	-7.58
		3960.00	-1.00	1 / 104	23.46	22.46	0.176	30.00	-7.54
	16-QAM	3960.00	-1.00	1 / 50	22.56	21.56	0.143	30.00	-8.44
	64-QAM	3720.00	-1.00	1 / 50	21.47	20.47	0.111	30.00	-9.53
256-QAM	3840.00	-1.00	1 / 1	18.33	17.33	0.054	30.00	-12.67	
50 MHz	11/2 BPSK	3725.01	-1.00	1 / 131	23.47	22.47	0.177	30.00	-7.53
		3840.00	-1.00	1 / 131	23.39	22.39	0.173	30.00	-7.61
		3954.99	-1.00	1 / 1	23.48	22.48	0.177	30.00	-7.52
	QPSK	3725.01	-1.00	1 / 131	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 64	23.50	22.50	0.178	30.00	-7.50
		3954.99	-1.00	1 / 64	23.21	22.21	0.166	30.00	-7.79
	16-QAM	3840.00	-1.00	1 / 131	22.49	21.49	0.141	30.00	-8.51
	64-QAM	3725.01	-1.00	1 / 64	21.47	20.47	0.111	30.00	-9.53
256-QAM	3954.99	-1.00	1 / 64	18.59	17.59	0.057	30.00	-12.41	
60 MHz	11/2 BPSK	3730.02	-1.00	1 / 160	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 1	23.36	22.36	0.172	30.00	-7.64
		3949.98	-1.00	1 / 81	23.49	22.49	0.177	30.00	-7.51
	QPSK	3730.02	-1.00	1 / 160	23.24	22.24	0.167	30.00	-7.76
		3840.00	-1.00	1 / 160	23.44	22.44	0.175	30.00	-7.56
		3949.98	-1.00	1 / 1	23.09	22.09	0.162	30.00	-7.91
	16-QAM	3840.00	-1.00	1 / 1	22.45	21.45	0.140	30.00	-8.55
	64-QAM	3840.00	-1.00	1 / 81	21.49	20.49	0.112	30.00	-9.51
256-QAM	3840.00	-1.00	1 / 1	18.59	17.59	0.057	30.00	-12.41	
70 MHz	11/2 BPSK	3735.00	-1.00	1 / 90	23.34	22.34	0.171	30.00	-7.66
		3840.00	-1.00	1 / 1	23.41	22.41	0.174	30.00	-7.59
		3945.00	-1.00	1 / 1	23.43	22.43	0.175	30.00	-7.57
	QPSK	3735.00	-1.00	1 / 1	23.31	22.31	0.170	30.00	-7.69
		3840.00	-1.00	1 / 1	23.34	22.34	0.171	30.00	-7.66
		3945.00	-1.00	1 / 187	23.50	22.50	0.178	30.00	-7.50
	16-QAM	3735.00	-1.00	1 / 90	22.51	21.51	0.142	30.00	-8.49
	64-QAM	3840.00	-1.00	1 / 187	21.43	20.43	0.110	30.00	-9.57
256-QAM	3735.00	-1.00	1 / 90	18.57	17.57	0.057	30.00	-12.43	
80 MHz	11/2 BPSK	3740.01	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3840.00	-1.00	1 / 108	23.49	22.49	0.177	30.00	-7.51
		3939.99	-1.00	1 / 215	23.38	22.38	0.173	30.00	-7.62
	QPSK	3740.01	-1.00	1 / 1	23.42	22.42	0.175	30.00	-7.58
		3840.00	-1.00	1 / 215	23.44	22.44	0.175	30.00	-7.56
		3939.99	-1.00	1 / 1	23.47	22.47	0.177	30.00	-7.53
	16-QAM	3840.00	-1.00	1 / 215	22.53	21.53	0.142	30.00	-8.47
	64-QAM	3740.01	-1.00	1 / 215	21.53	20.53	0.113	30.00	-9.47
256-QAM	3939.99	-1.00	1 / 1	18.62	17.62	0.058	30.00	-12.38	
90 MHz	11/2 BPSK	3745.02	-1.00	1 / 243	23.46	22.46	0.176	30.00	-7.54
		3840.00	-1.00	1 / 120	23.44	22.44	0.175	30.00	-7.56
		3934.98	-1.00	1 / 243	23.47	22.47	0.177	30.00	-7.53
	QPSK	3745.02	-1.00	1 / 243	23.34	22.34	0.171	30.00	-7.66
		3840.00	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3934.98	-1.00	1 / 1	23.42	22.42	0.175	30.00	-7.58
	16-QAM	3840.00	-1.00	1 / 120	22.54	21.54	0.143	30.00	-8.46
	64-QAM	3745.02	-1.00	1 / 1	21.49	20.49	0.112	30.00	-9.51
256-QAM	3840.00	-1.00	1 / 120	18.59	17.59	0.057	30.00	-12.41	
100 MHz	11/2 BPSK	3750.00	-1.00	1 / 271	23.41	22.41	0.174	30.00	-7.59
		3840.00	-1.00	1 / 135	23.50	22.50	0.178	30.00	-7.50
		3930.00	-1.00	1 / 1	23.48	22.48	0.177	30.00	-7.52
	QPSK	3750.00	-1.00	1 / 1	23.36	22.36	0.172	30.00	-7.64
		3840.00	-1.00	1 / 135	23.22	22.22	0.167	30.00	-7.78
		3930.00	-1.00	1 / 1	23.38	22.38	0.173	30.00	-7.62
	16-QAM	3930.00	-1.00	1 / 1	22.40	21.40	0.138	30.00	-8.60
	64-QAM	3750.00	-1.00	1 / 1	21.46	20.46	0.111	30.00	-9.54
256-QAM	3840.00	-1.00	1 / 1	18.52	17.52	0.056	30.00	-12.48	

Table 7-17. Antenna 2b 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 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points \geq 2 x 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.

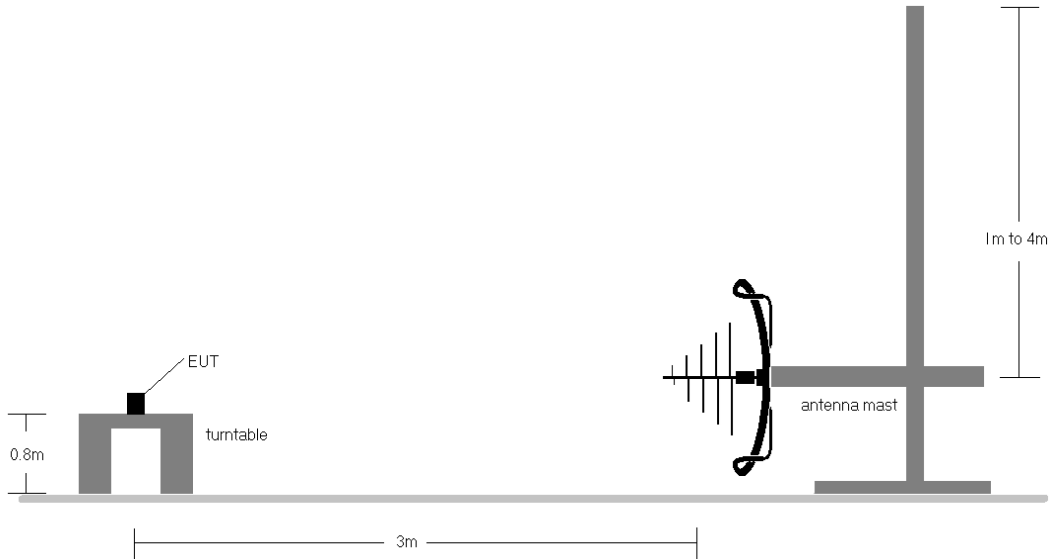


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

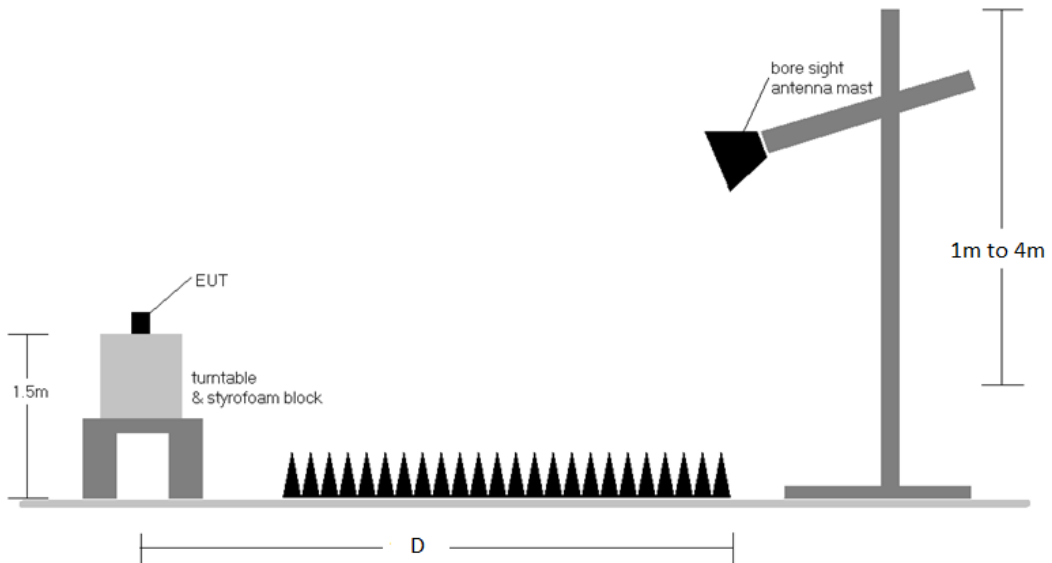




Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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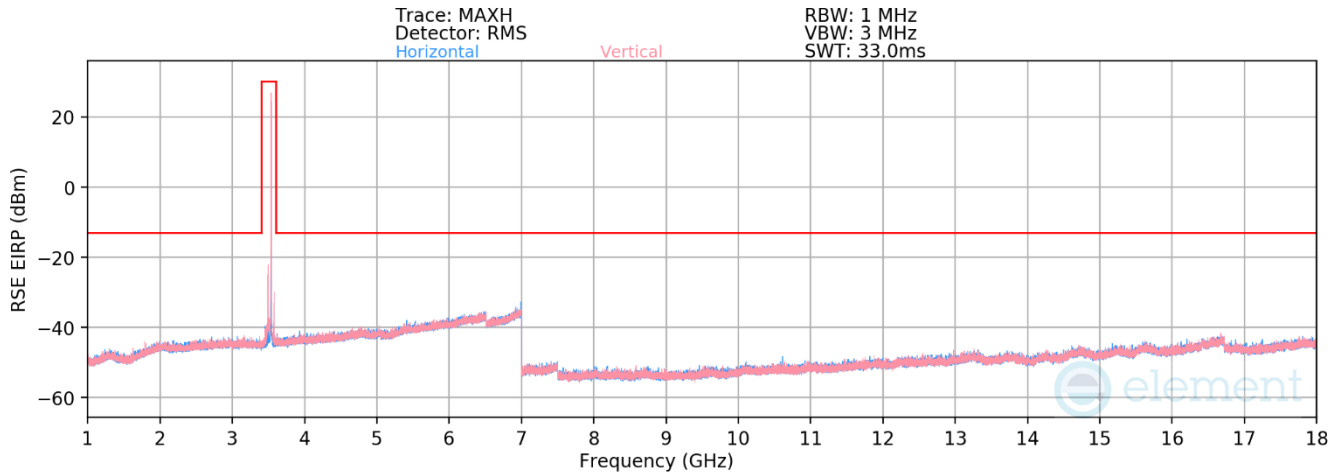
Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; 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. 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.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. 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.
8. 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.

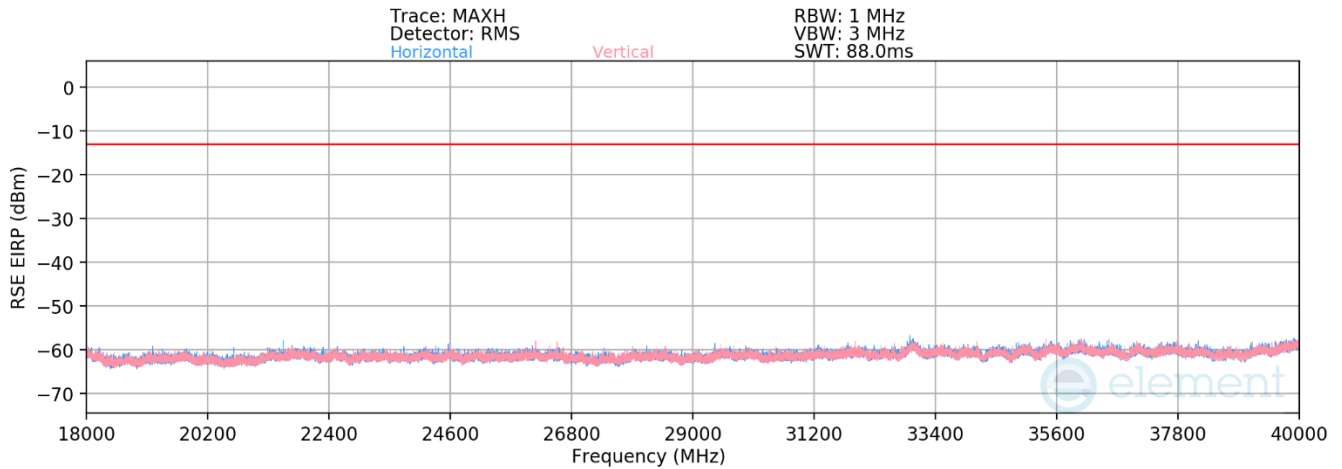
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7.7.1 Antenna 3 Radiated Spurious Emission Measurements


NR Band n77 DoD Band



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



Plot 7-416. Antenna 3 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	-	-	-78.57	9.45	37.88	-57.38	-13.00	-44.38
10485.0	H	-	-	-80.32	11.54	38.22	-57.03	-13.00	-44.03
13980.0	H	-	-	-80.58	13.89	40.32	-54.94	-13.00	-41.94

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-78.23	9.14	37.91	-57.35	-13.00	-44.35
10500.0	H	-	-	-79.90	11.14	38.24	-57.02	-13.00	-44.02
14000.0	H	-	-	-80.72	13.21	39.49	-55.76	-13.00	-42.76

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

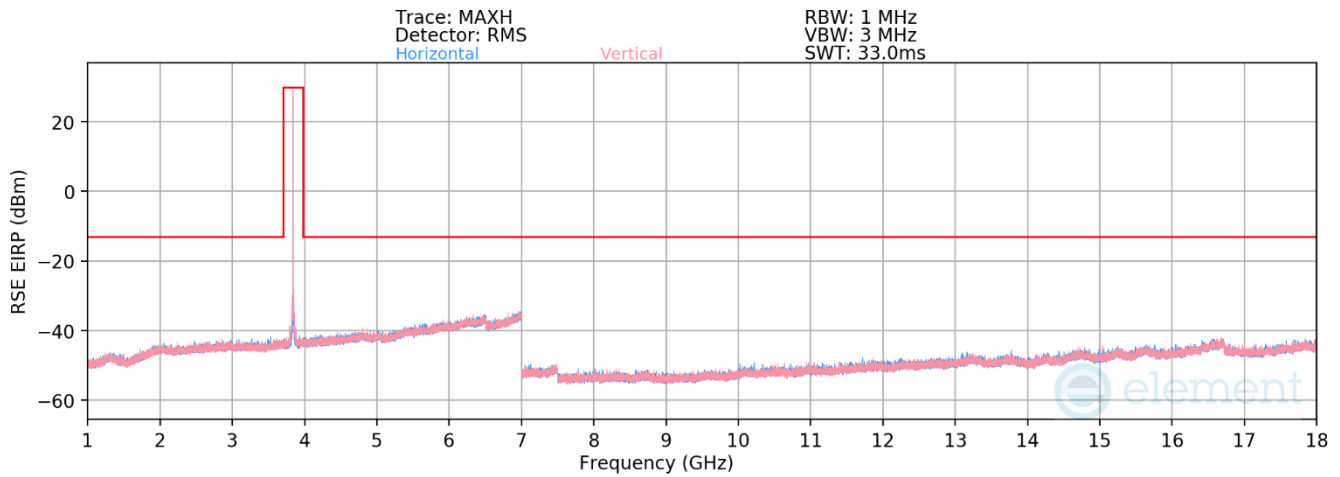
Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 238

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	-	-	-78.15	9.09	37.94	-57.32	-13.00	-44.32
10515.0	H	-	-	-80.12	11.21	38.09	-57.17	-13.00	-44.17
14020.0	H	-	-	-80.82	13.38	39.56	-55.70	-13.00	-42.70

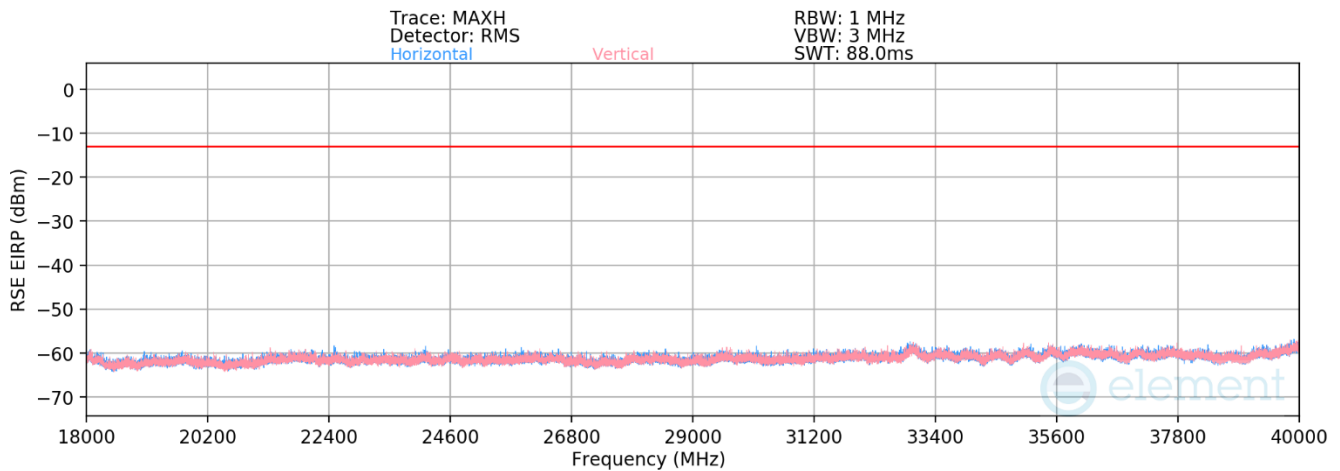
Table 7-20. Antenna 3 Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2926	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n77 C Band



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



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

FCC ID: BCGA2926	 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	H	-	-	-78.29	8.97	37.68	-57.57	-13.00	-44.57
11250.0	H	-	-	-80.35	11.29	37.94	-57.32	-13.00	-44.32
15000.0	H	-	-	-80.68	14.40	40.72	-54.54	-13.00	-41.54

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-79.98	9.02	36.04	-59.22	-13.00	-46.22
11520.0	H	-	-	-80.12	11.92	38.80	-56.46	-13.00	-43.46
15360.0	H	-	-	-80.53	14.79	41.26	-54.00	-13.00	-41.00

Table 7-22. Antenna 3 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	-	-	-79.47	8.82	36.35	-58.91	-13.00	-45.91
11790.0	H	-	-	-80.42	12.46	39.04	-56.22	-13.00	-43.22
15720.0	H	-	-	-80.68	15.84	42.16	-53.10	-13.00	-40.10

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

FCC ID: BCGA2926	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.2 Antenna 1 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-78.68	9.45	37.77	-57.49	-13.00	-44.49
10485.0	H	-	-	-80.06	11.35	38.29	-56.97	-13.00	-43.97
13980.0	H	-	-	-80.63	13.89	40.26	-54.99	-13.00	-41.99

Table 7-24. Antenna 1 Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-78.26	9.14	37.88	-57.38	-13.00	-44.38
10500.0	H	-	-	-79.86	11.14	38.28	-56.98	-13.00	-43.98
14000.0	H	-	-	-80.70	13.21	39.51	-55.75	-13.00	-42.75

Table 7-25. Antenna 1 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	-	-	-78.07	9.09	38.02	-57.23	-13.00	-44.23
10515.0	H	-	-	-80.16	11.21	38.05	-57.21	-13.00	-44.21
14020.0	H	-	-	-80.84	13.38	39.54	-55.72	-13.00	-42.72

Table 7-26. Antenna 1 Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2926	 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	H	-	-	-78.31	8.97	37.66	-57.60	-13.00	-44.60
11250.0	H	-	-	-80.40	11.32	37.93	-57.33	-13.00	-44.33
15000.0	H	-	-	-80.70	14.40	40.69	-54.56	-13.00	-41.56

Table 7-27. Antenna 1 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-79.88	9.01	36.13	-59.13	-13.00	-46.13
11520.0	H	-	-	-80.28	11.92	38.64	-56.62	-13.00	-43.62
15360.0	H	-	-	-80.88	14.79	40.91	-54.35	-13.00	-41.35

Table 7-28. Antenna 1 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-79.34	8.82	36.48	-58.78	-13.00	-45.78
11790.0	H	-	-	-80.43	12.50	39.07	-56.18	-13.00	-43.18
15720.0	H	-	-	-80.87	15.84	41.97	-53.29	-13.00	-40.29

Table 7-29. Antenna 1 Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2926	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.3 Antenna 4b Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-78.65	9.45	37.80	-57.45	-13.00	-44.45
10485.0	H	-	-	-80.44	11.54	38.10	-57.16	-13.00	-44.16
13980.0	H	-	-	-80.54	13.89	40.36	-54.90	-13.00	-41.90

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-78.38	9.14	37.76	-57.50	-13.00	-44.50
10500.0	H	-	-	-80.13	11.20	38.07	-57.19	-13.00	-44.19
14000.0	H	-	-	-80.91	13.21	39.30	-55.96	-13.00	-42.96

Table 7-31. Antenna 4b 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	-	-	-78.29	9.09	37.80	-57.46	-13.00	-44.46
10515.0	H	-	-	-80.15	11.21	38.06	-57.20	-13.00	-44.20
14020.0	H	-	-	-80.81	13.38	39.57	-55.69	-13.00	-42.69

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

FCC ID: BCGA2926	 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	-	-	-78.30	8.97	37.67	-57.58	-13.00	-44.58
11250.0	H	-	-	-80.53	11.32	37.79	-57.46	-13.00	-44.46
15000.0	H	-	-	-80.76	14.40	40.64	-54.62	-13.00	-41.62

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-79.97	9.02	36.05	-59.21	-13.00	-46.21
11520.0	H	-	-	-80.37	11.92	38.56	-56.70	-13.00	-43.70
15360.0	H	-	-	-80.68	14.79	41.11	-54.15	-13.00	-41.15

Table 7-34. Antenna 4b 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	-	-	-79.67	8.95	36.28	-58.97	-13.00	-45.97
11790.0	H	-	-	-80.37	12.46	39.08	-56.17	-13.00	-43.17
15720.0	H	-	-	-80.62	15.68	42.06	-53.19	-13.00	-40.19

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

FCC ID: BCGA2926	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.4 Antenna 2b Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-78.55	9.45	37.90	-57.35	-13.00	-44.35
10485.0	H	-	-	-80.23	11.54	38.31	-56.94	-13.00	-43.94
13980.0	H	-	-	-80.43	13.94	40.51	-54.75	-13.00	-41.75

Table 7-36. Antenna 2b Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-78.15	9.14	37.98	-57.28	-13.00	-44.28
10500.0	H	-	-	-80.06	11.14	38.08	-57.17	-13.00	-44.17
14000.0	H	-	-	-80.79	13.21	39.42	-55.84	-13.00	-42.84

Table 7-37. Antenna 2b 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	-	-	-78.27	9.09	37.83	-57.43	-13.00	-44.43
10515.0	H	-	-	-79.93	11.21	38.28	-56.98	-13.00	-43.98
14020.0	H	-	-	-80.80	13.38	39.59	-55.67	-13.00	-42.67

Table 7-38. Antenna 2b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	H	-	-	-78.14	8.97	37.83	-57.42	-13.00	-44.42
11250.0	H	-	-	-80.27	11.32	38.06	-57.20	-13.00	-44.20
15000.0	H	-	-	-80.69	14.40	40.71	-54.55	-13.00	-41.55

Table 7-39. Antenna 2b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-79.74	9.01	36.27	-58.99	-13.00	-45.99
11520.0	H	-	-	-80.24	11.92	38.69	-56.57	-13.00	-43.57
15360.0	H	-	-	-80.51	14.79	41.29	-53.97	-13.00	-40.97

Table 7-40. Antenna 2b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-79.57	8.95	36.38	-58.87	-13.00	-45.87
11790.0	H	-	-	-80.23	12.40	39.17	-56.08	-13.00	-43.08
15720.0	H	-	-	-80.43	15.68	42.25	-53.01	-13.00	-40.01

Table 7-41. Antenna 2b 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

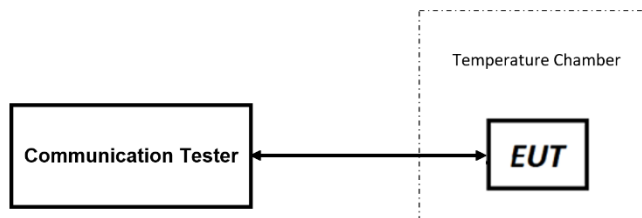



Figure 7-8. Test Instrument & Measurement Setup

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	-50	3.45044331	-0.00044331
		-40	3.45013240	-0.00013240
		-30	3.45099414	-0.00099414
		-20	3.45029547	-0.00029547
		-10	3.45051422	-0.00051422
		0 (Ref)	3.45096762	-0.00096762
		+ 10	3.45074559	-0.00074559
		+ 20	3.45042780	-0.00042780
Battery Endpoint	3.40	0	3.45065730	-0.00065730

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	-50	3.54975252	-0.00024748
		-40	3.54999055	-0.00000945
		-30	3.54968628	-0.00031372
		-20	3.54959560	-0.00040440
		-10	3.54995127	-0.00004873
		0 (Ref)	3.54973638	-0.00026362
		+ 10	3.54929388	-0.00070612
		+ 20	3.54938285	-0.00061715
Battery Endpoint	3.40	0	3.54901334	-0.00098666

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	-50	3.70010356	-0.00010356
		-40	3.70096108	-0.00096108
		-30	3.70006165	-0.00006165
		-20	3.70082303	-0.00082303
		-10	3.70059753	-0.00059753
		0 (Ref)	3.70099595	-0.00099595
		+ 10	3.70058918	-0.00058918
		+ 20	3.70073871	-0.00073871
Battery Endpoint	3.40	0	3.70028016	-0.00028016

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	-50	3.97937007	-0.00062993
		-40	3.97910746	-0.00089254
		-30	3.97902914	-0.00097086
		-20	3.97982313	-0.00017687
		-10	3.97919091	-0.00080909
		0 (Ref)	3.97942481	-0.00057519
		+ 10	3.97904705	-0.00095295
		+ 20	3.97923649	-0.00076351
Battery Endpoint	3.40	0	3.97928657	-0.00071343


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: BCGA2926** complies with all the requirements of Part 27 of the FCC rules.

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