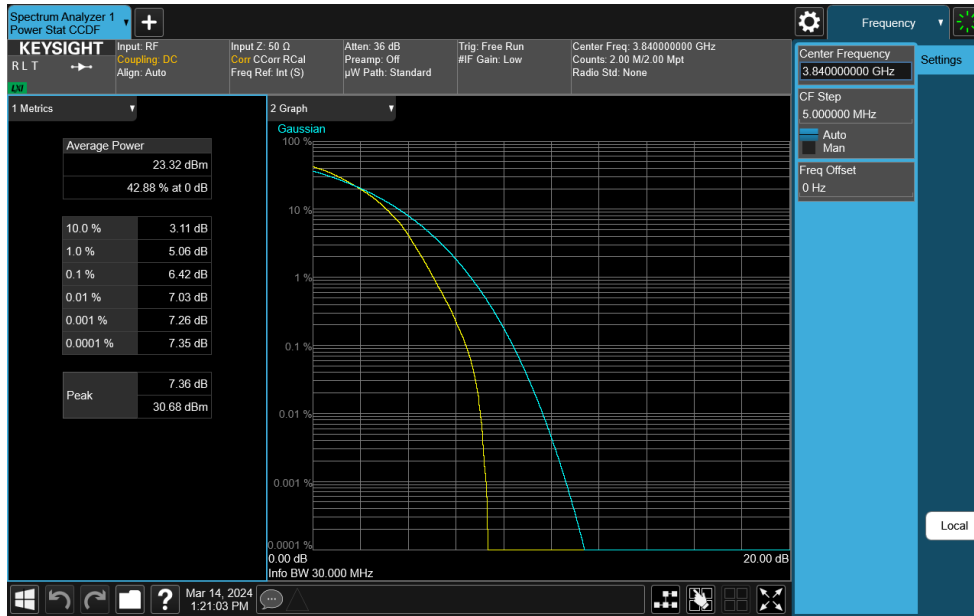
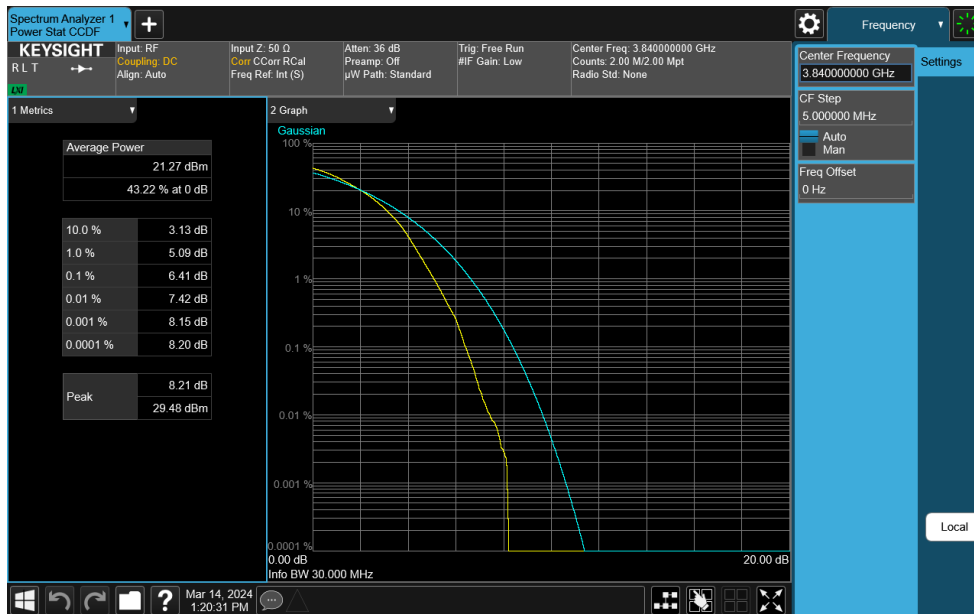


FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 212 of 265

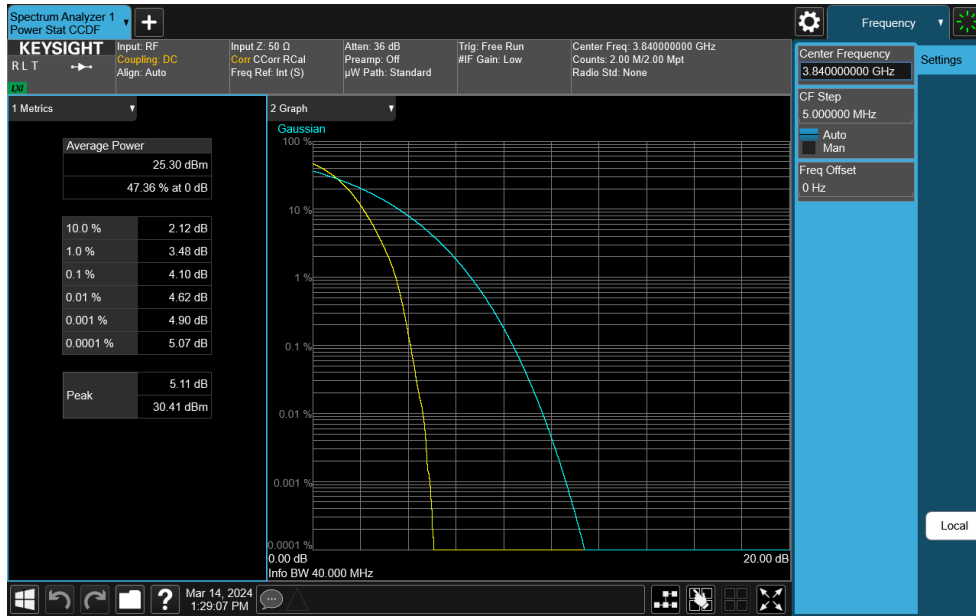


**Plot 7-378. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 64-QAM - Full RB)**

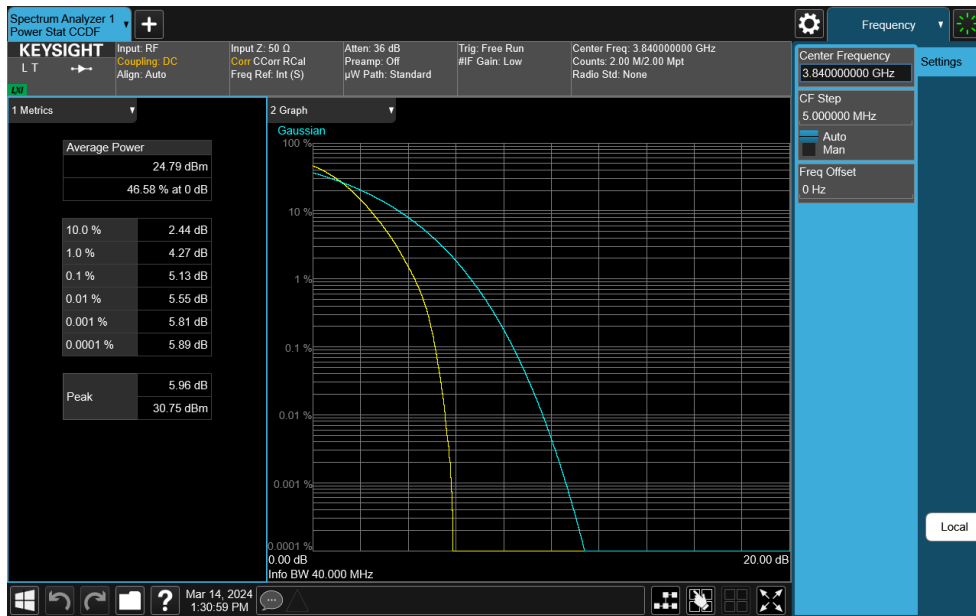


**Plot 7-379. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 256-QAM - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 213 of 265

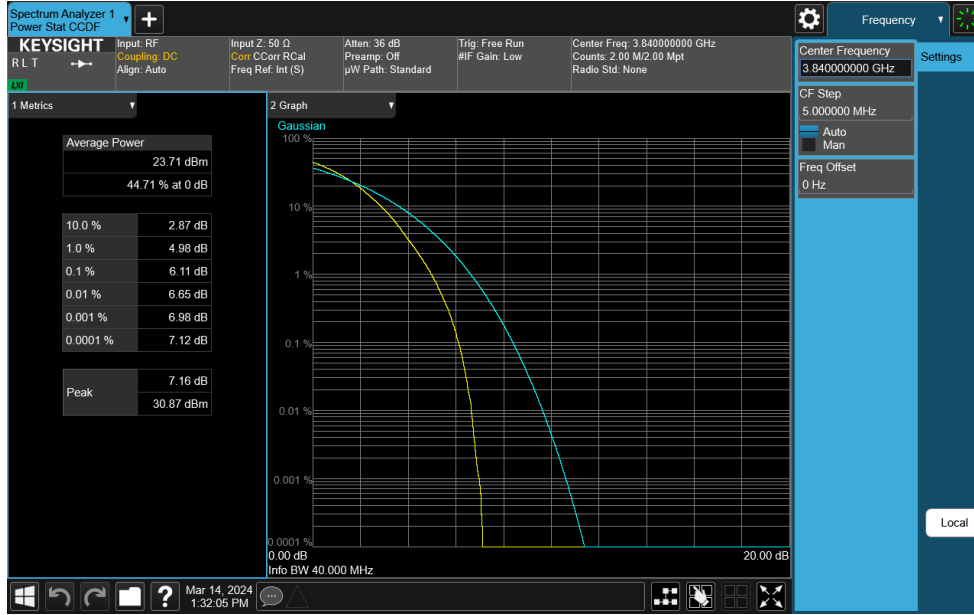


**Plot 7-380. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

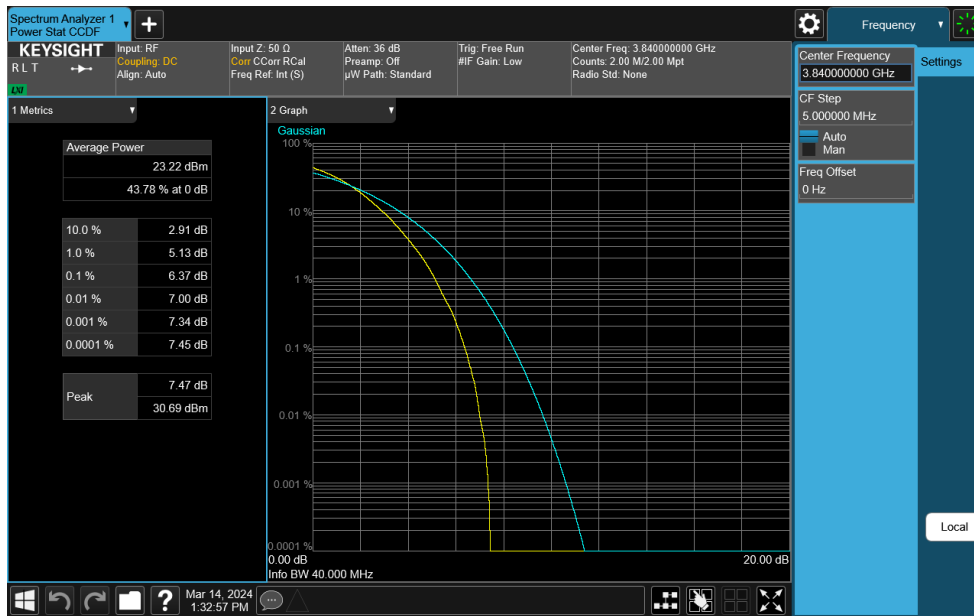


**Plot 7-381. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 214 of 265

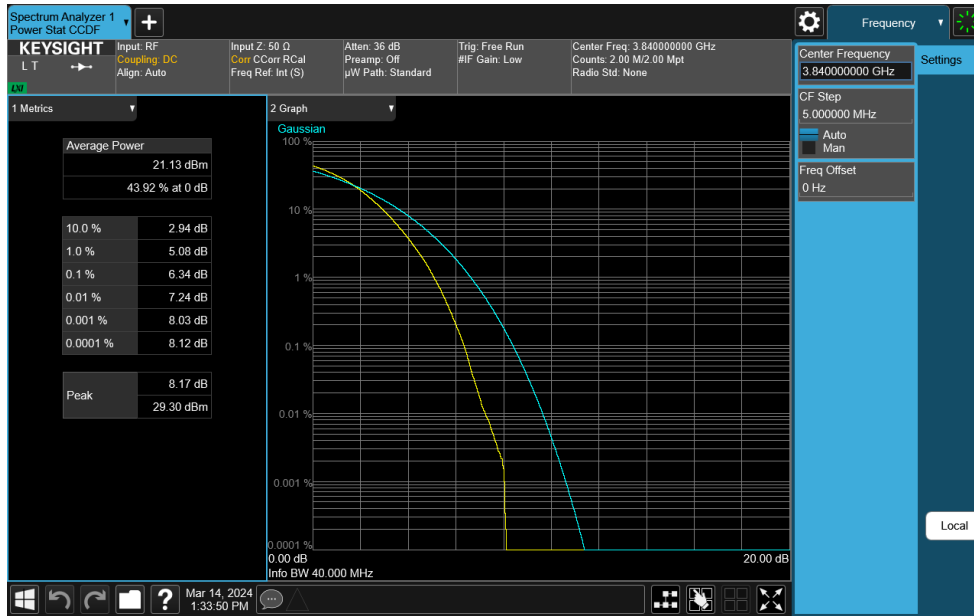


Plot 7-382. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 16-QAM - Full RB)

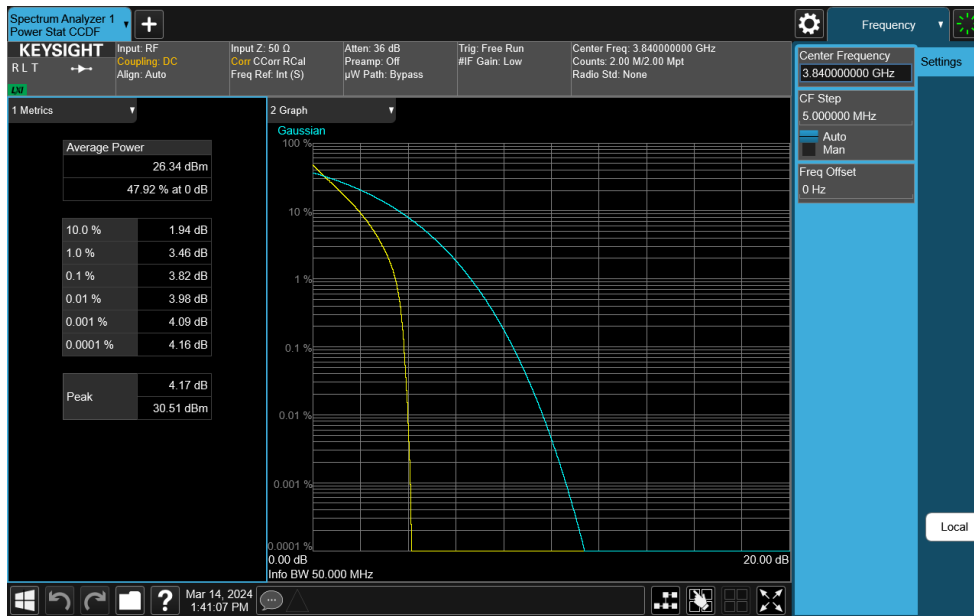


Plot 7-383. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 215 of 265

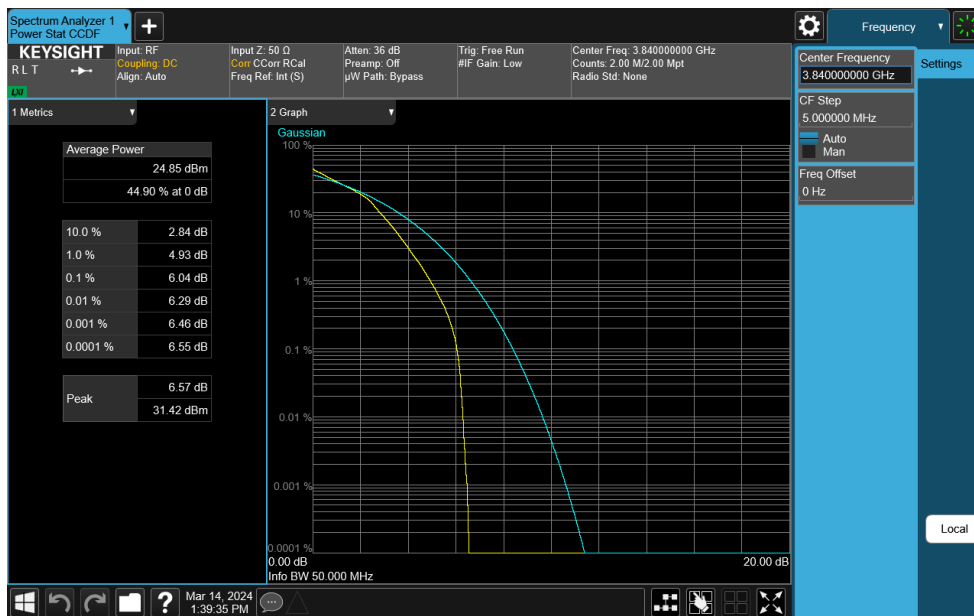
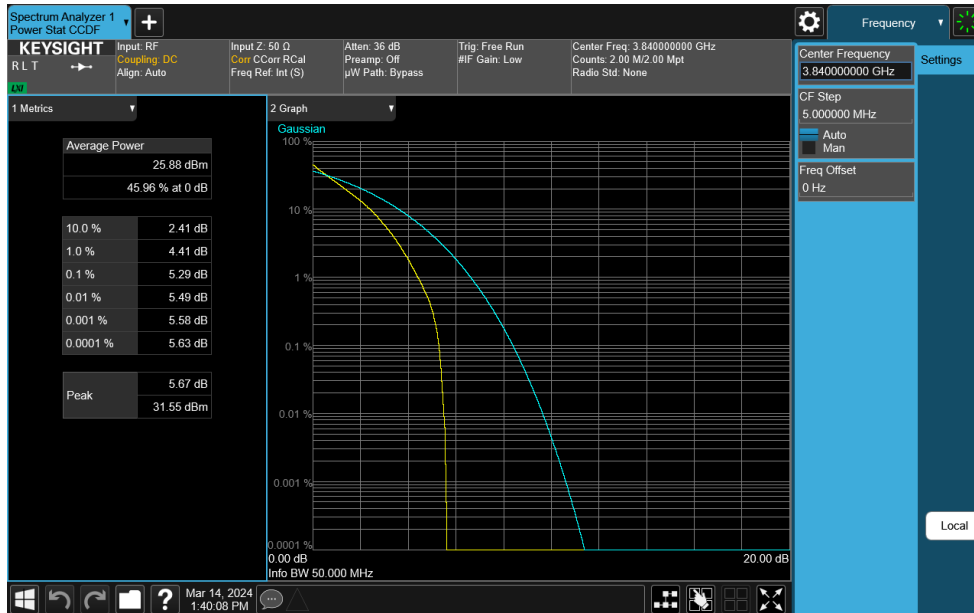


**Plot 7-384. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 256-QAM - Full RB)**

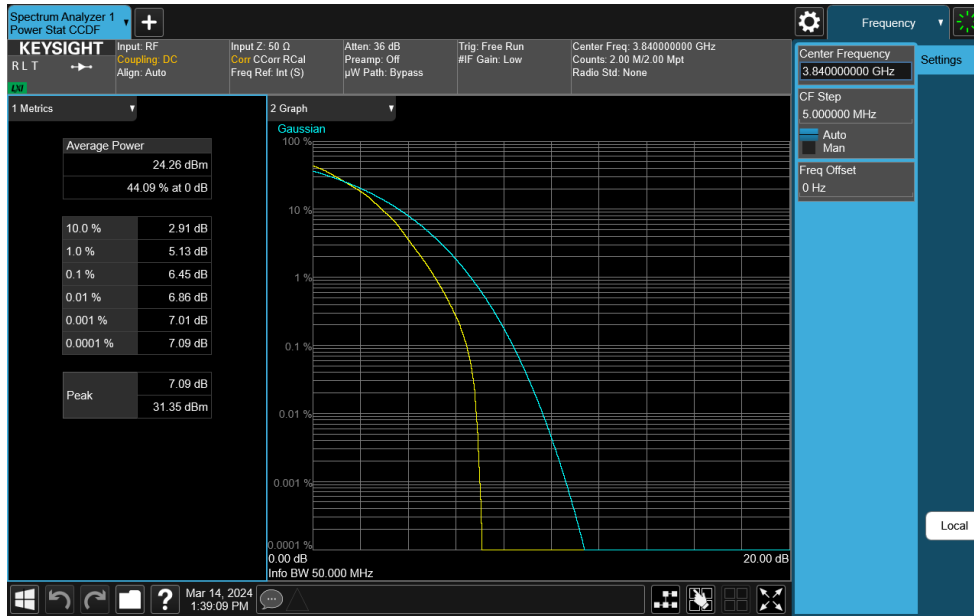


**Plot 7-385. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

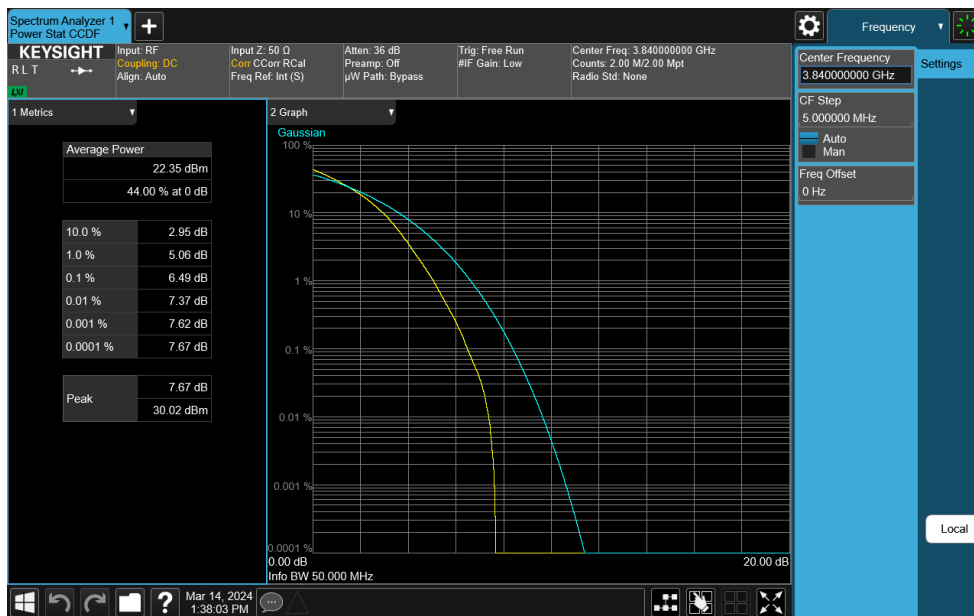
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 216 of 265



FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 217 of 265

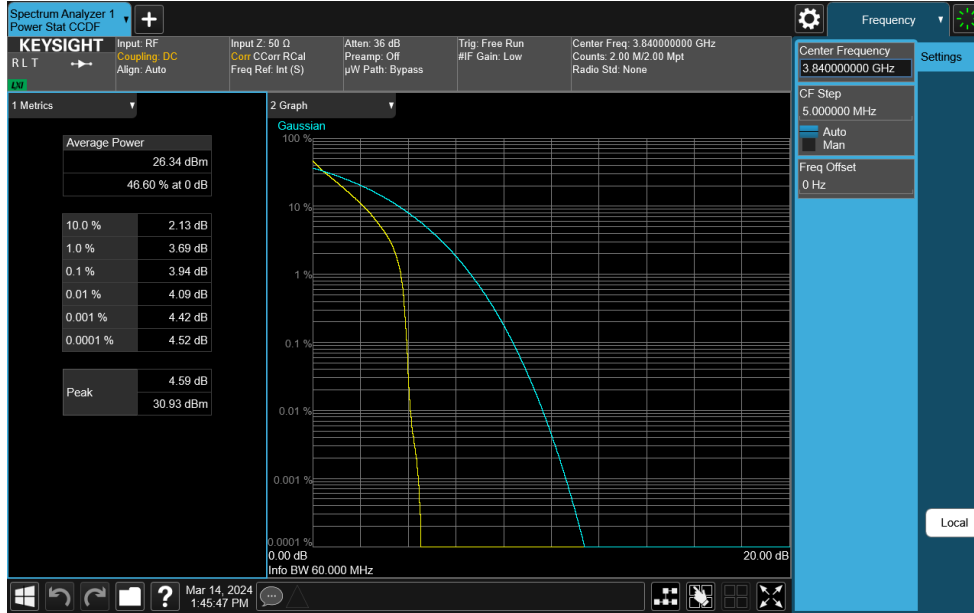


**Plot 7-388. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 64-QAM - Full RB)**

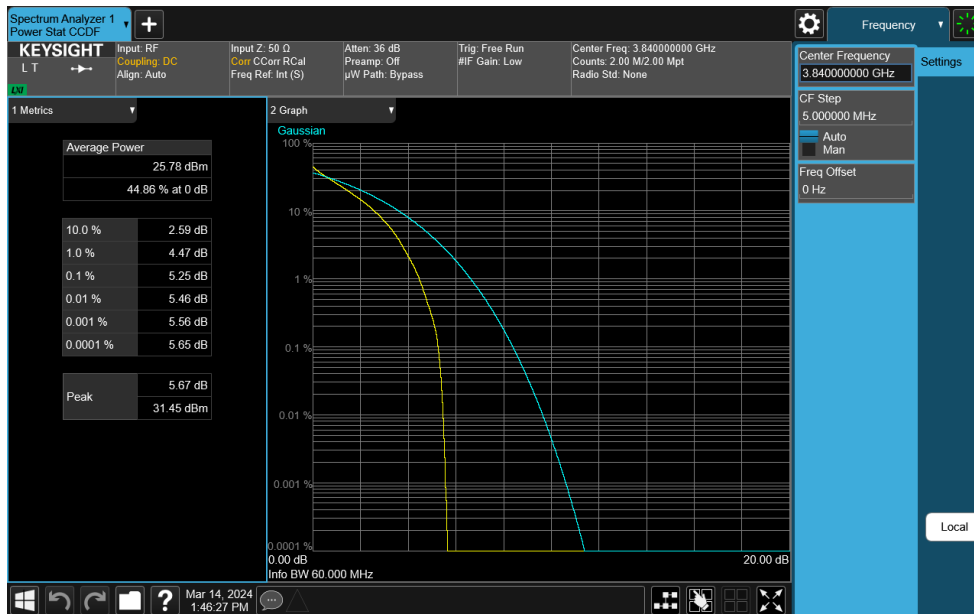


**Plot 7-389. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 256-QAM - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 218 of 265



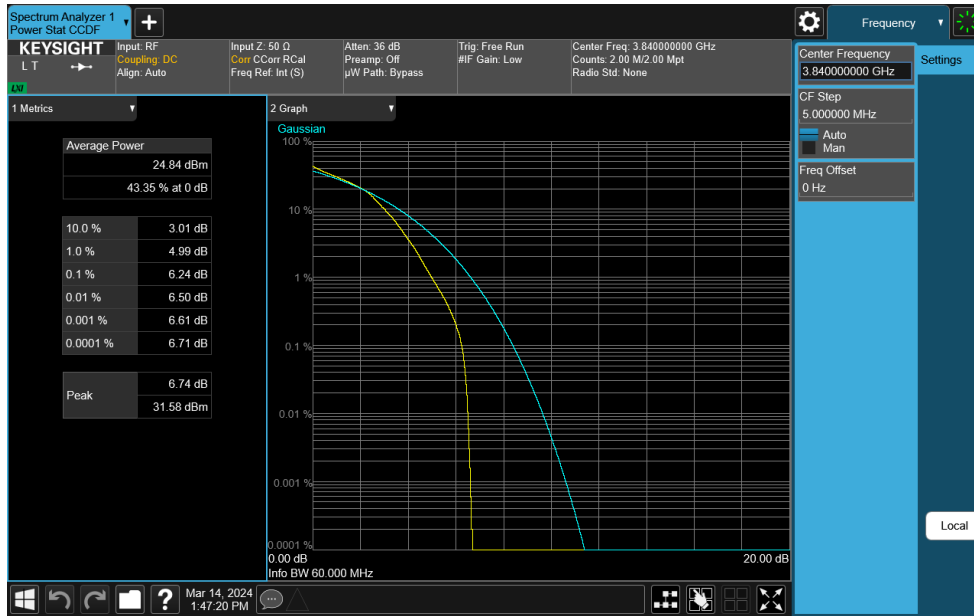
**Plot 7-390. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**



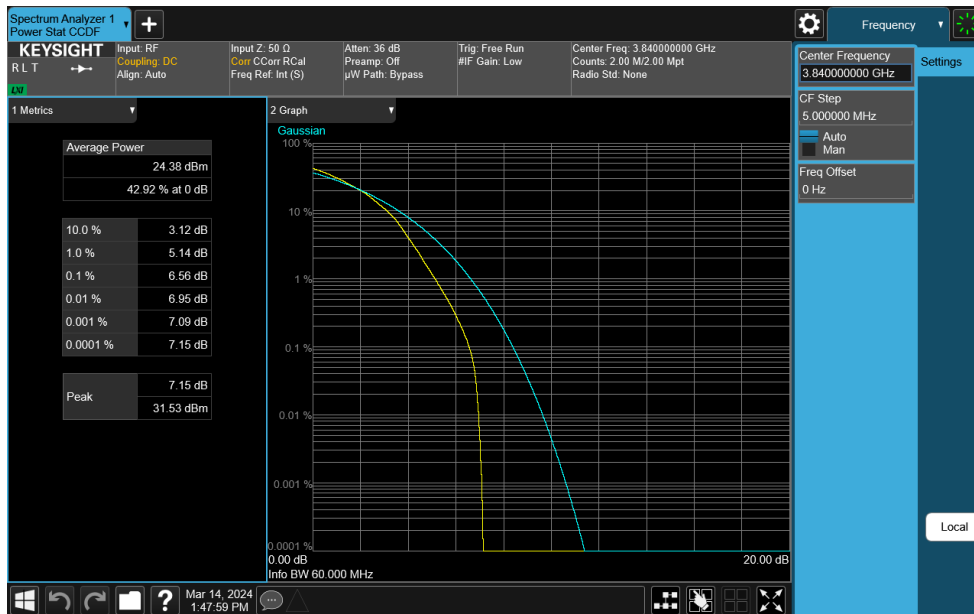
**Plot 7-391. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 219 of 265



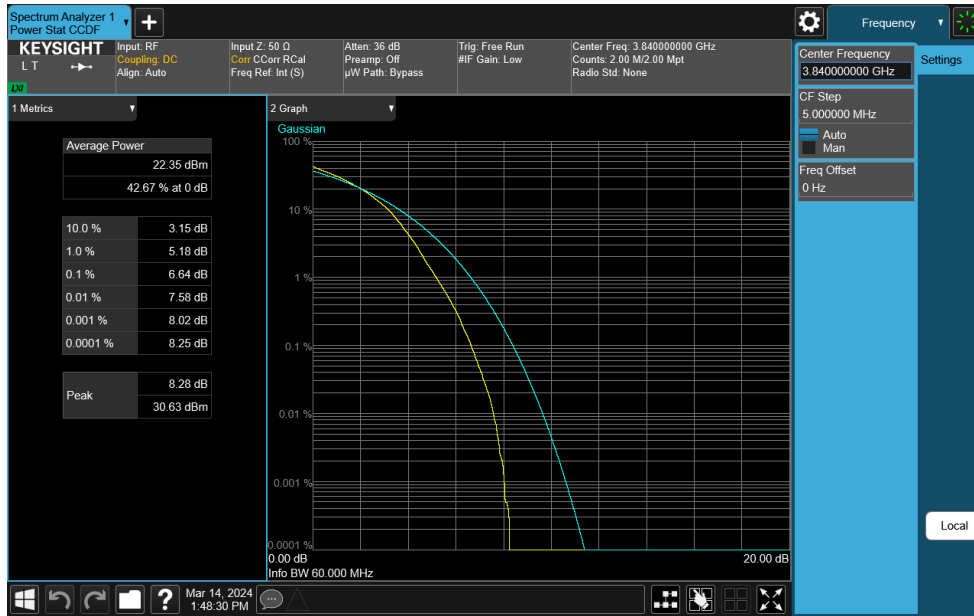


**Plot 7-392. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 16-QAM - Full RB)**

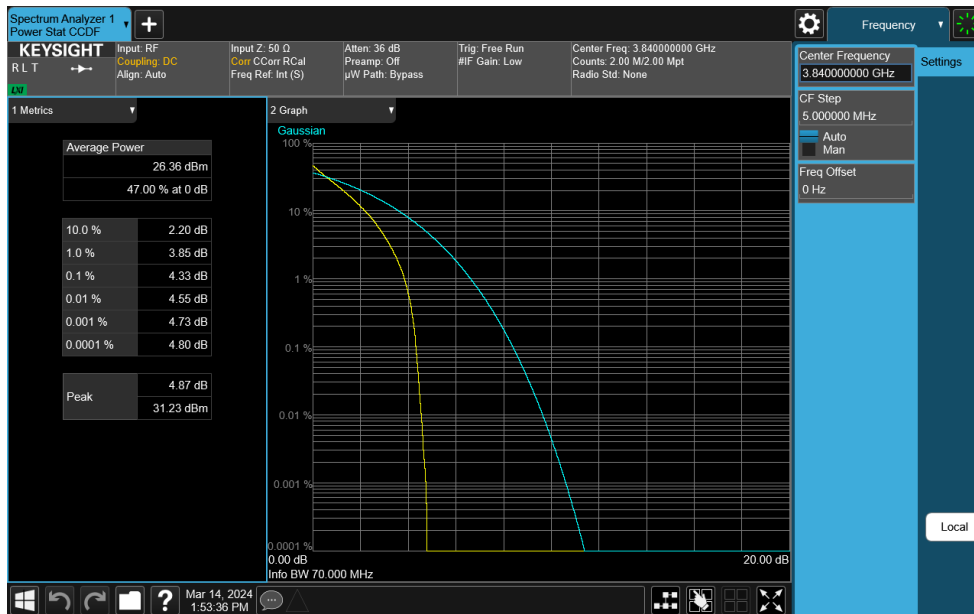


**Plot 7-393. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 64-QAM - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 220 of 265

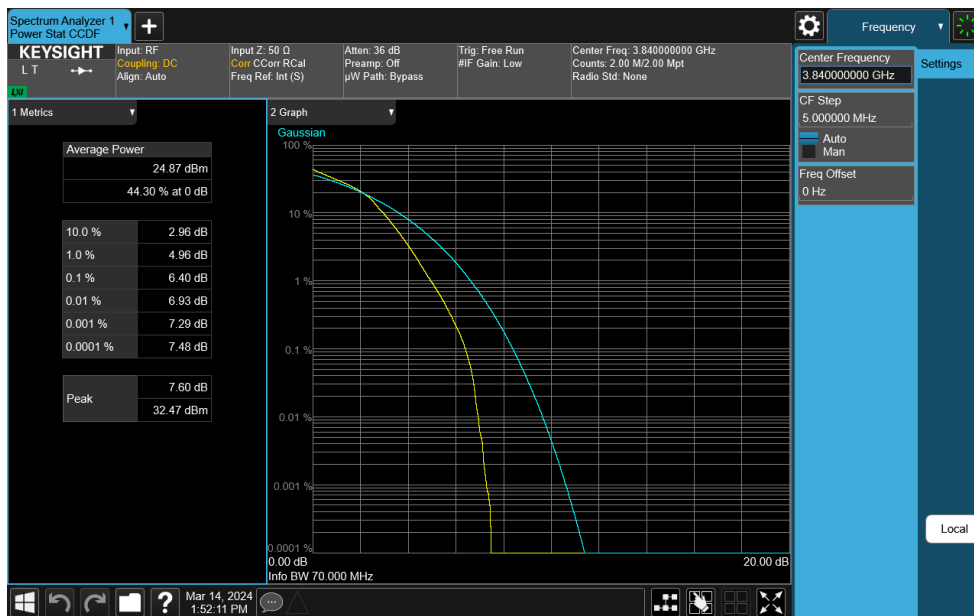
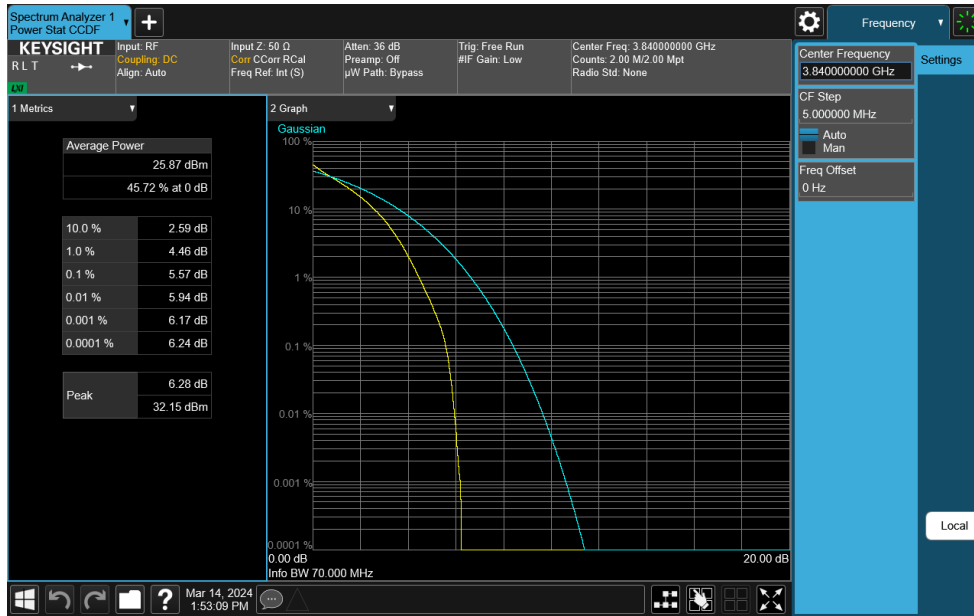


**Plot 7-394. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 256-QAM - Full RB)**

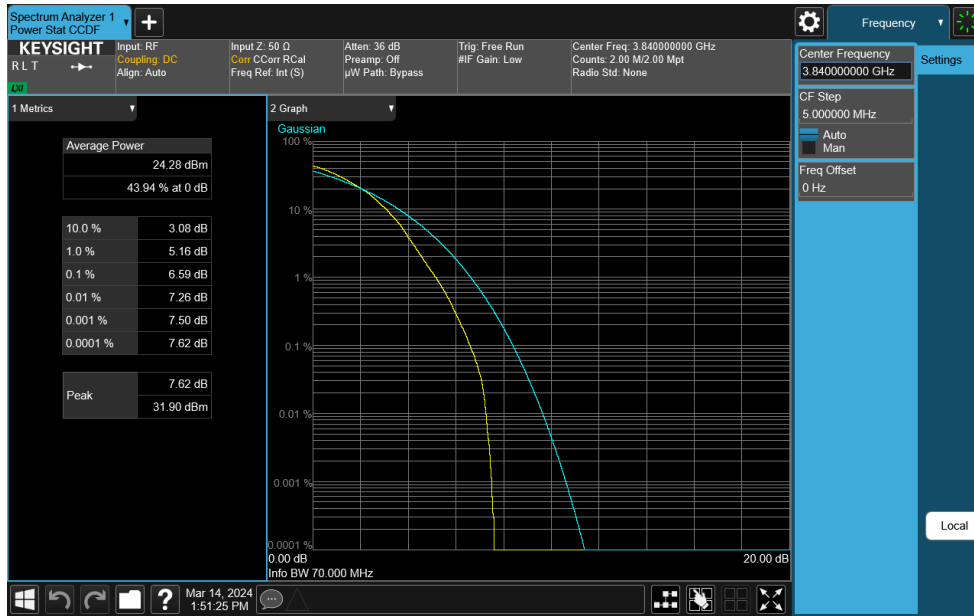


**Plot 7-395. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

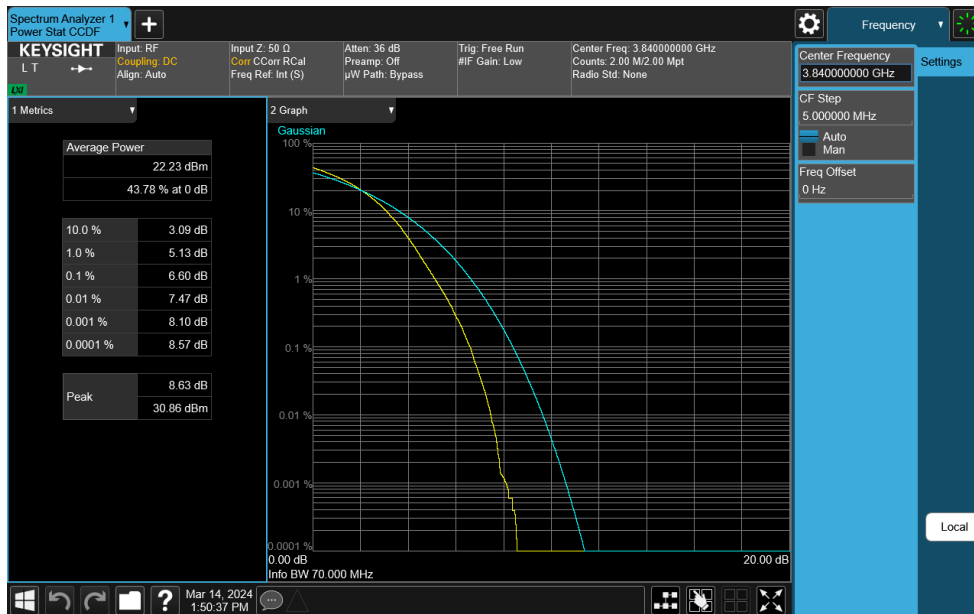
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 221 of 265



FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 222 of 265

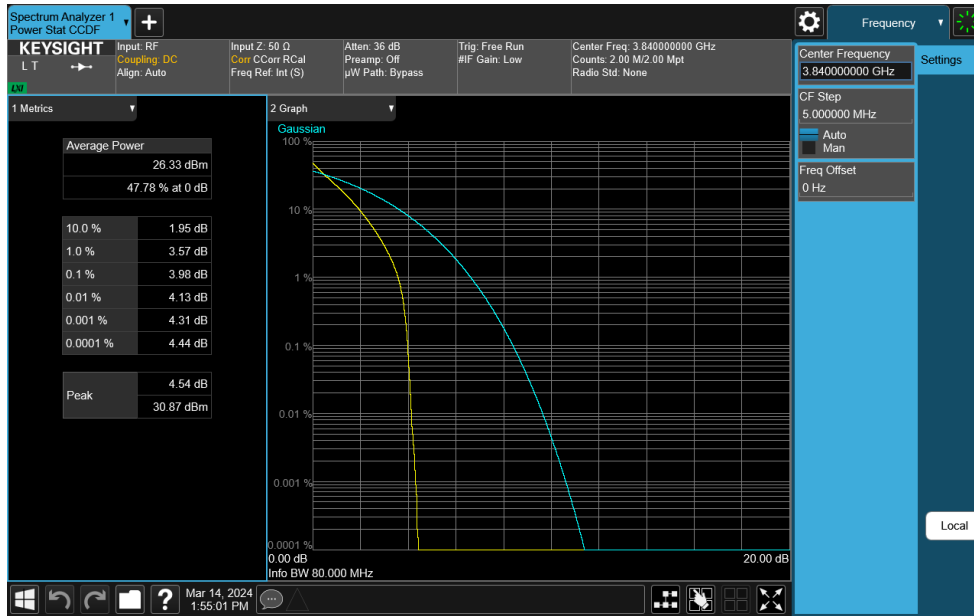


**Plot 7-398. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 64-QAM - Full RB)**

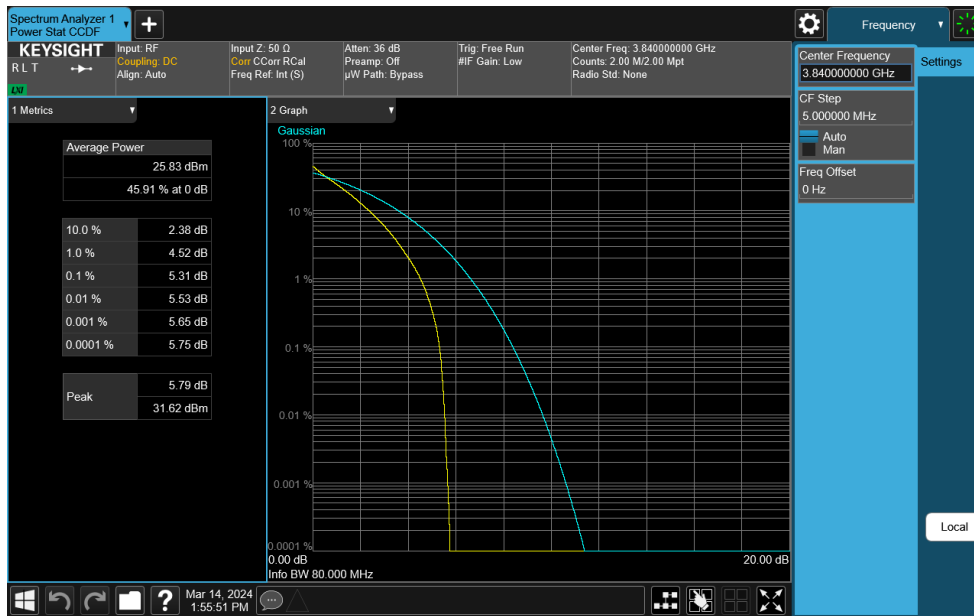


**Plot 7-399. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 256-QAM - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 223 of 265

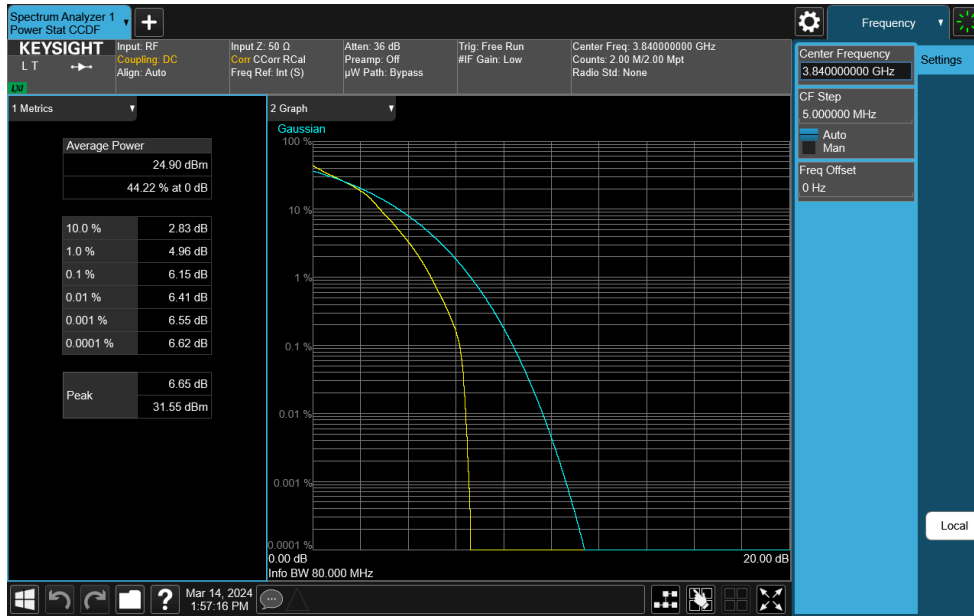


**Plot 7-400. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

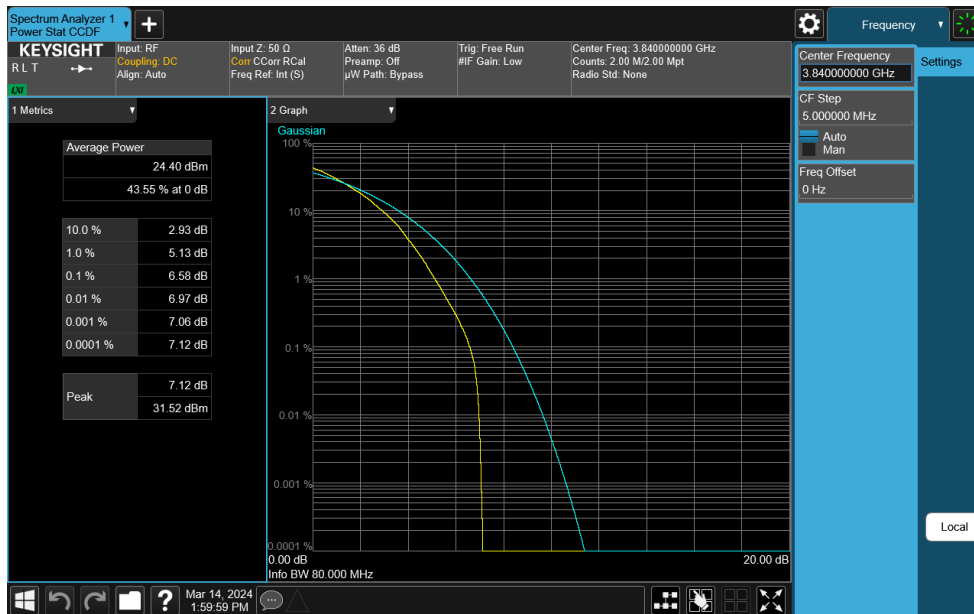


**Plot 7-401. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 224 of 265

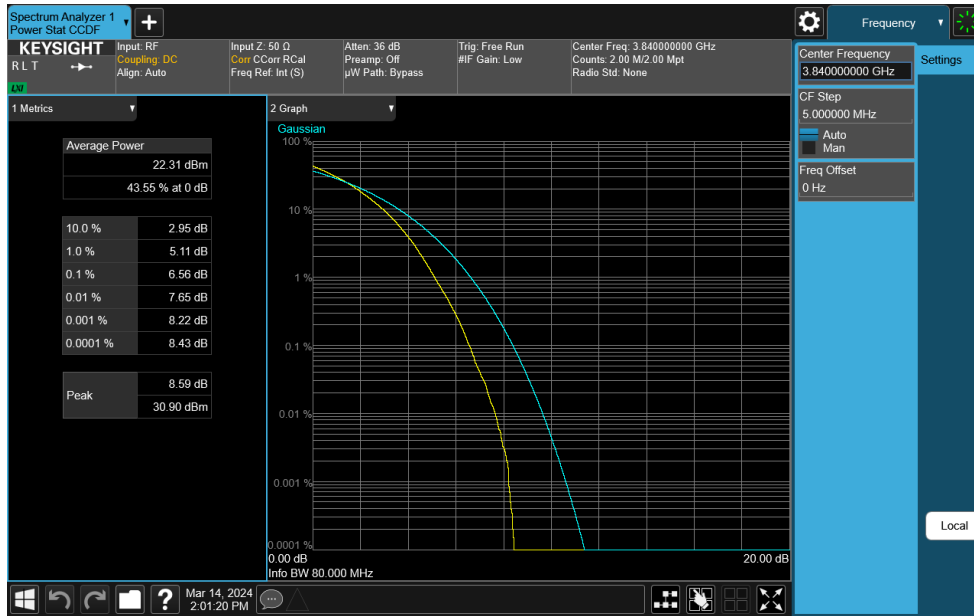


**Plot 7-402. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 16-QAM - Full RB)**

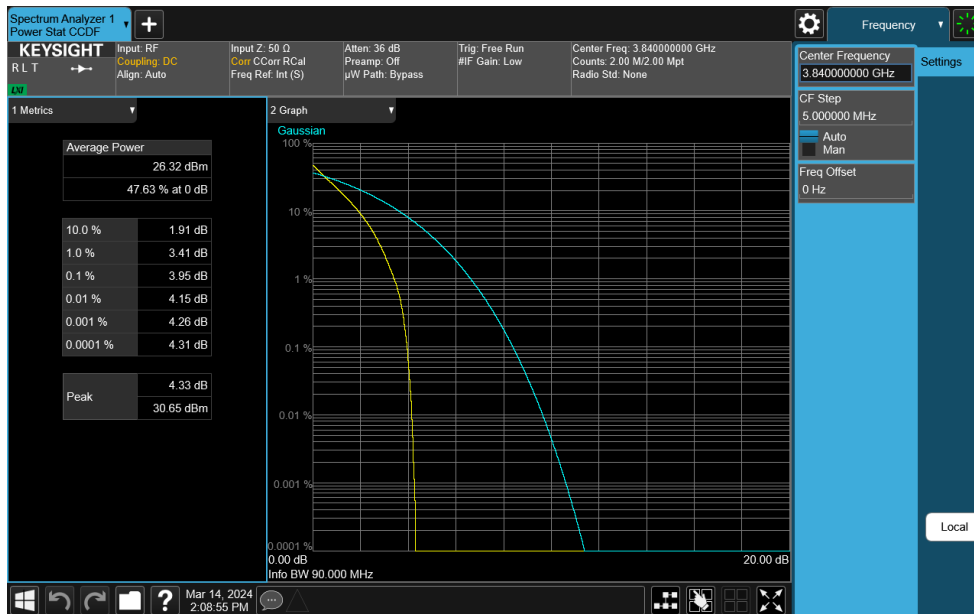


**Plot 7-403. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 64-QAM - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 225 of 265

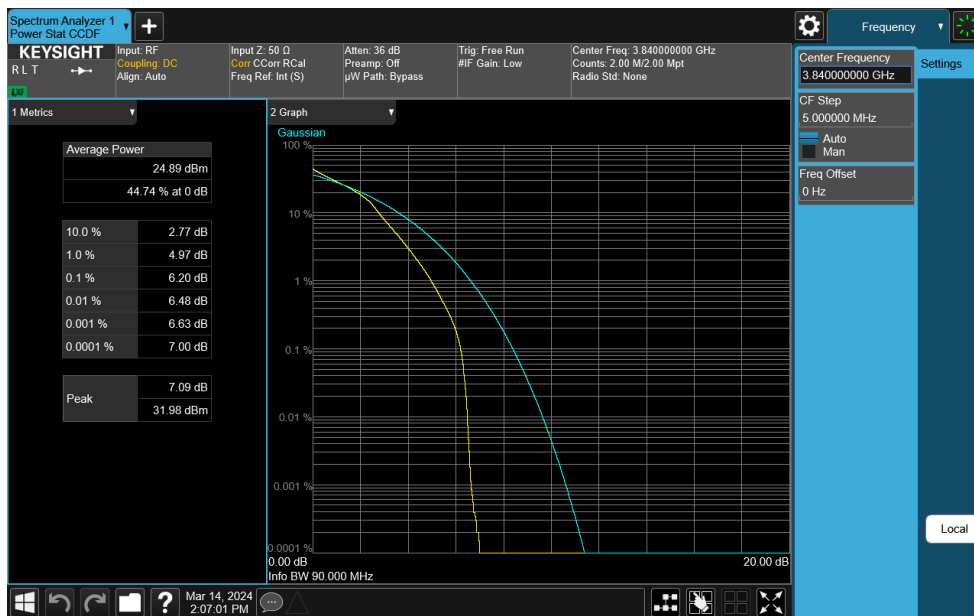
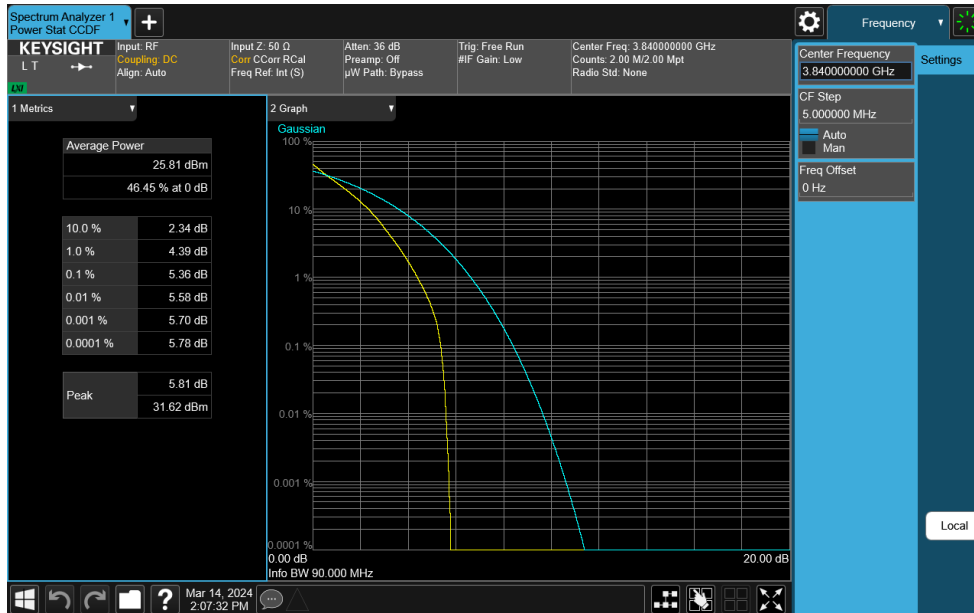


**Plot 7-404. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)**



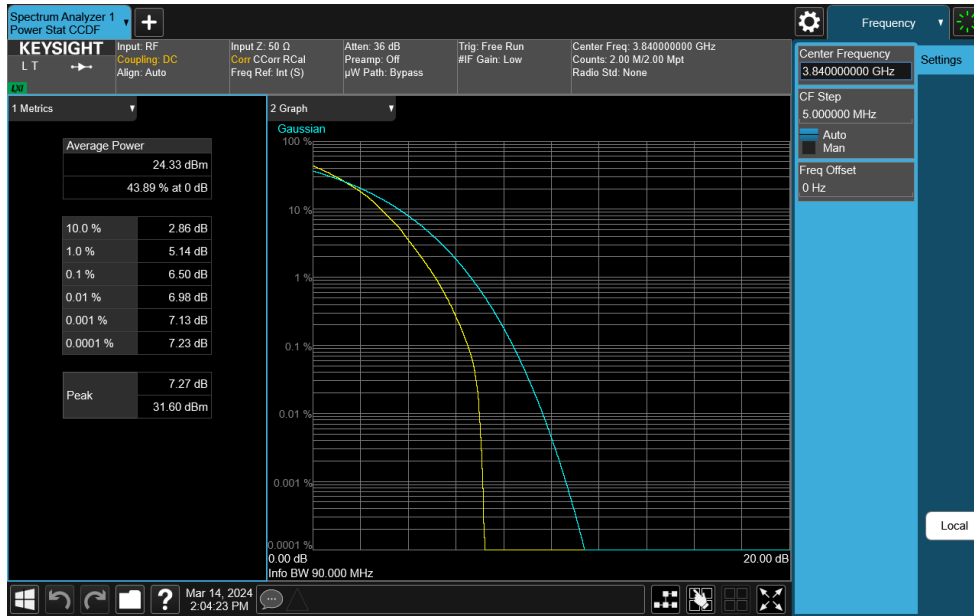
**Plot 7-405. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 226 of 265

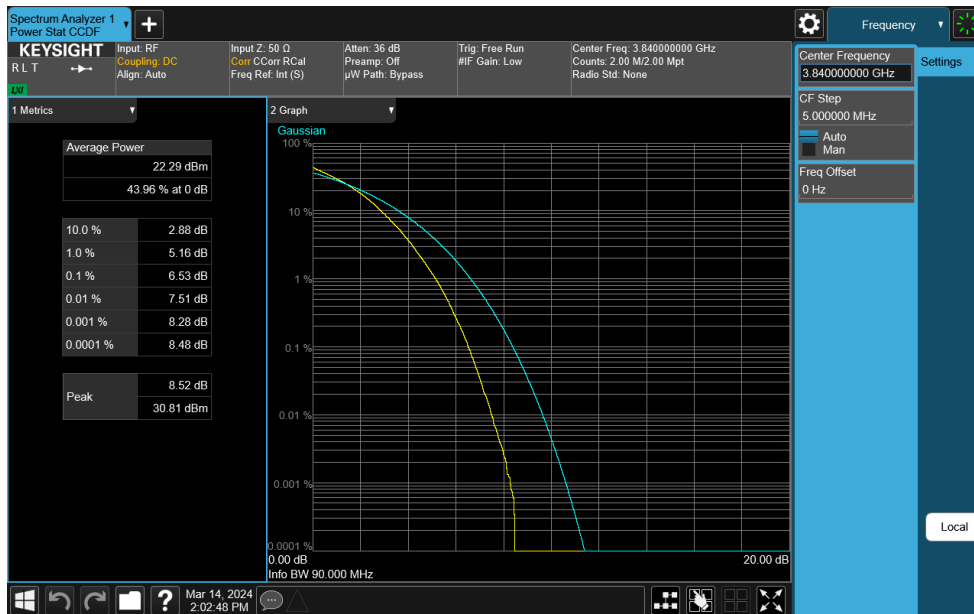


FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 227 of 265



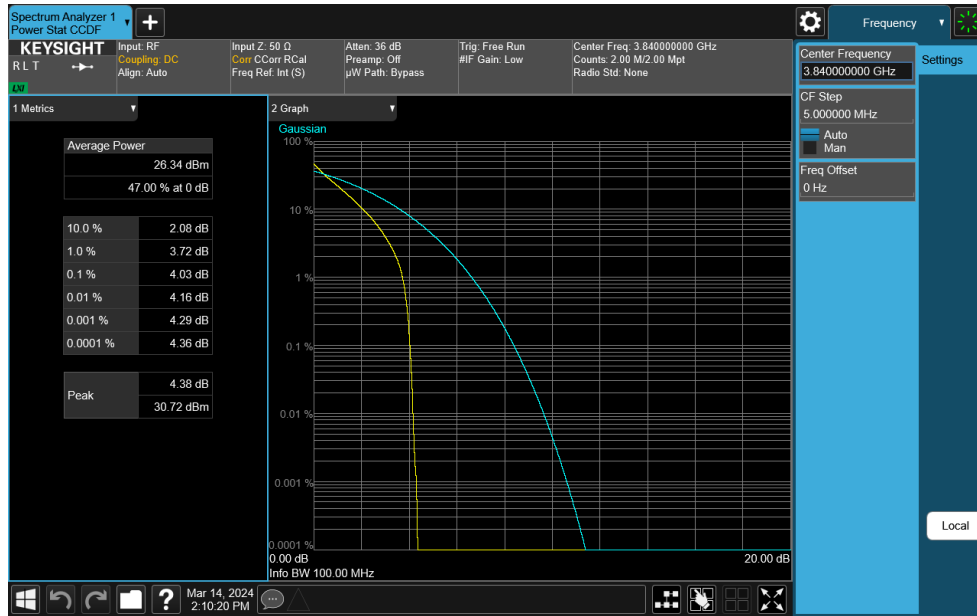


**Plot 7-408. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)**

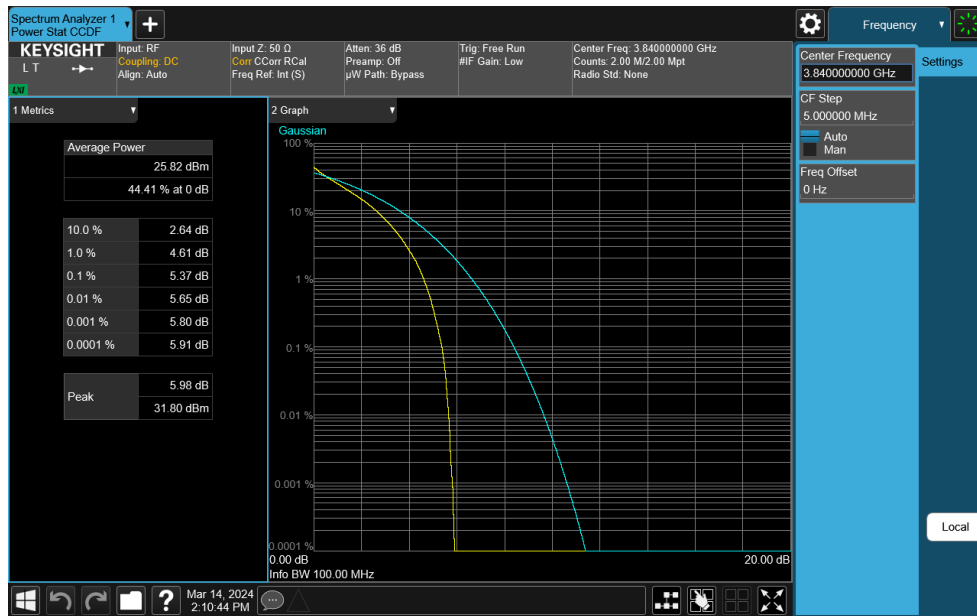


**Plot 7-409. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 228 of 265

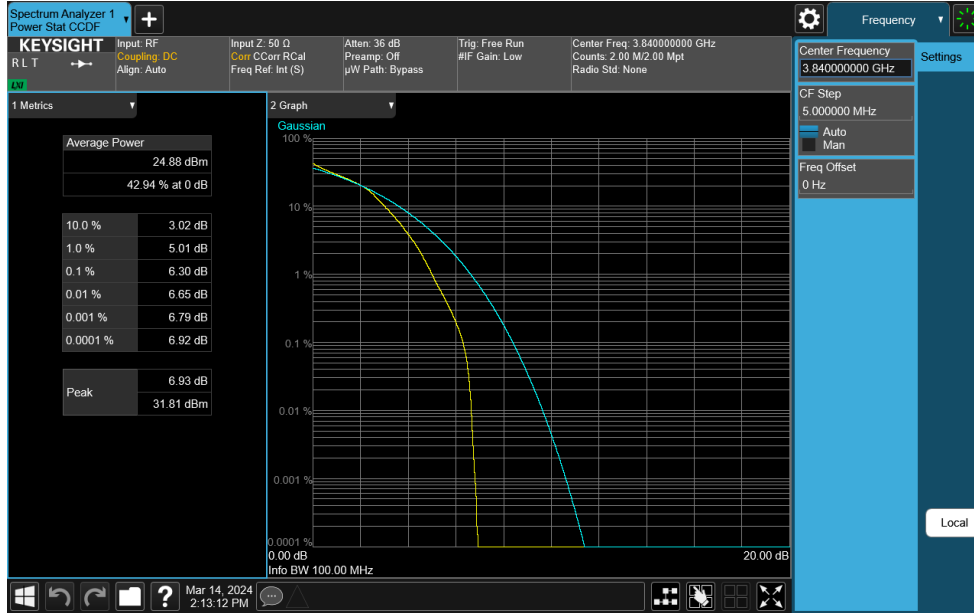


**Plot 7-410. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

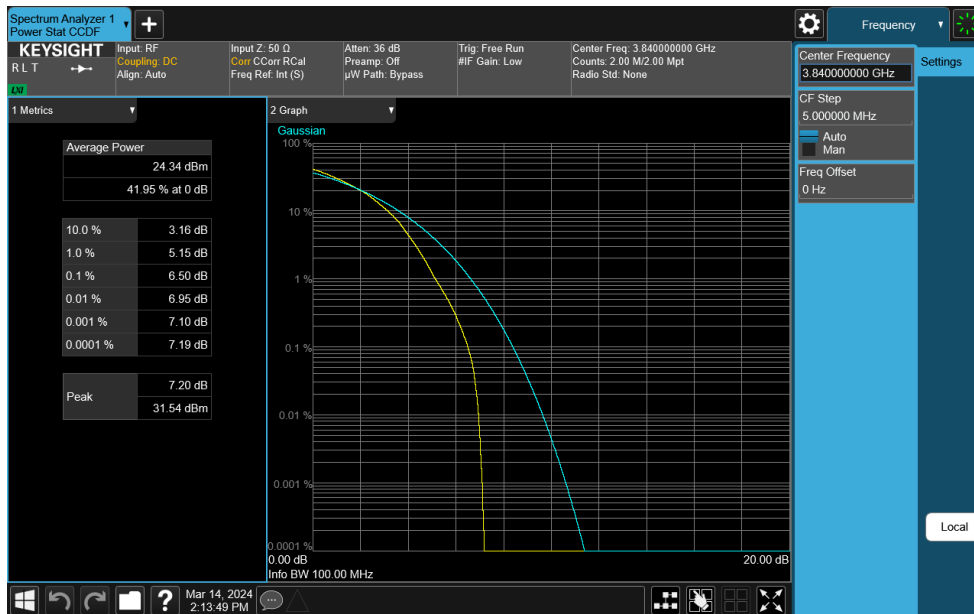


**Plot 7-411. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - Full RB)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 229 of 265

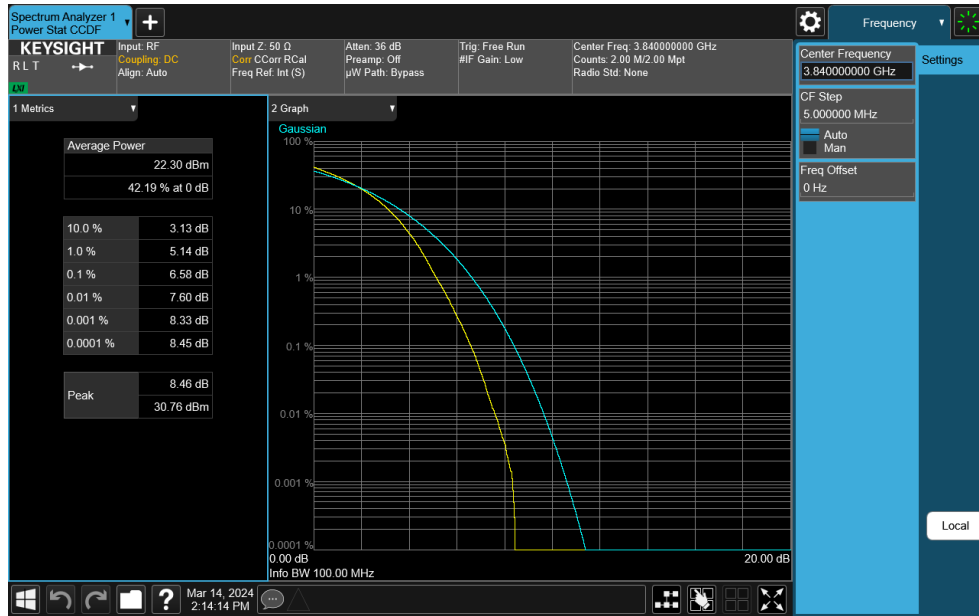


**Plot 7-412. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 16-QAM - Full RB)**




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

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 230 of 265



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

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-11.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device	Page 231 of 265

## 7.6 Radiated Power (EIRP)

§27.50(j)(3), §27.50(k)(3)

### Test Overview

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

### Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

### Test Settings

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

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

Where:

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

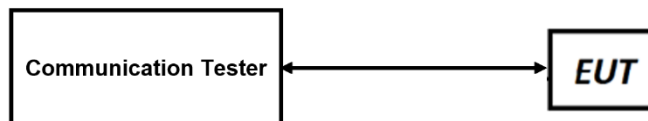
PMeas = measured transmitter output power or PSD, in dBW or dBm

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

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

### Test Setup


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



**Figure 7-5. 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.

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 232 of 265

V2.2 09/07/2023

## 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	π/2 BPSK	3455.01	-0.80	1 / 12	27.34	<b>26.54</b>	0.451	30.00	-3.46
		3500.01	-0.80	1 / 1	27.30	26.50	0.447	30.00	-3.50
		3544.98	-0.80	1 / 22	27.27	26.47	0.444	30.00	-3.53
	QPSK	3455.01	-0.80	1 / 22	27.39	<b>26.59</b>	0.456	30.00	-3.41
		3500.01	-0.80	1 / 22	27.32	26.52	0.449	30.00	-3.48
		3544.98	-0.80	1 / 22	27.35	26.55	0.452	30.00	-3.45
	16-QAM	3455.01	-0.80	1 / 12	26.41	25.61	0.364	30.00	-4.39
	64-QAM	3500.01	-0.80	1 / 12	25.06	24.26	0.267	30.00	-5.74
	256-QAM	3500.01	-0.80	1 / 12	22.80	22.00	0.159	30.00	-8.00
15 MHz	π/2 BPSK	3457.50	-0.80	1 / 36	27.50	26.70	0.467	30.00	-3.30
		3500.01	-0.80	1 / 1	27.49	26.69	0.467	30.00	-3.31
		3542.49	-0.80	1 / 1	27.45	26.65	0.463	30.00	-3.35
	QPSK	3457.50	-0.80	1 / 1	27.50	<b>26.70</b>	0.468	30.00	-3.30
		3500.01	-0.80	1 / 1	27.49	26.69	0.467	30.00	-3.31
		3542.49	-0.80	1 / 36	27.42	26.62	0.459	30.00	-3.38
	16-QAM	3457.50	-0.80	1 / 18	26.65	25.85	0.385	30.00	-4.15
	64-QAM	3500.01	-0.80	1 / 1	25.13	24.33	0.271	30.00	-5.67
	256-QAM	3500.01	-0.80	1 / 18	23.09	22.29	0.170	30.00	-7.71
20 MHz	π/2 BPSK	3460.02	-0.80	1 / 49	27.45	26.65	0.463	30.00	-3.35
		3500.01	-0.80	1 / 1	27.50	<b>26.70</b>	0.468	30.00	-3.30
		3540.00	-0.80	1 / 1	27.44	26.64	0.462	30.00	-3.36
	QPSK	3460.02	-0.80	1 / 1	27.48	26.68	0.465	30.00	-3.32
		3500.01	-0.80	1 / 1	27.43	26.63	0.460	30.00	-3.37
		3540.00	-0.80	1 / 1	27.38	26.58	0.455	30.00	-3.42
	16-QAM	3460.02	-0.80	1 / 49	26.65	25.85	0.385	30.00	-4.15
	64-QAM	3460.02	-0.80	1 / 49	25.14	24.34	0.272	30.00	-5.66
	256-QAM	3540.00	-0.80	1 / 49	23.02	22.22	0.167	30.00	-7.78
30 MHz	π/2 BPSK	3465.00	-0.80	1 / 76	27.50	<b>26.70</b>	0.468	30.00	-3.30
		3500.01	-0.80	1 / 1	27.50	26.70	0.468	30.00	-3.30
		3534.99	-0.80	1 / 1	27.41	26.61	0.458	30.00	-3.39
	QPSK	3465.00	-0.80	1 / 1	27.46	26.66	0.463	30.00	-3.34
		3500.01	-0.80	1 / 1	27.46	26.66	0.463	30.00	-3.34
		3534.99	-0.80	1 / 1	27.45	26.65	0.462	30.00	-3.35
	16-QAM	3465.00	-0.80	1 / 36	26.71	25.91	0.390	30.00	-4.09
	64-QAM	3534.99	-0.80	1 / 1	25.12	24.32	0.270	30.00	-5.68
	256-QAM	3465.00	-0.80	1 / 1	23.01	22.21	0.166	30.00	-7.79
40 MHz	π/2 BPSK	3470.01	-0.80	1 / 104	27.45	26.65	0.462	30.00	-3.35
		3500.01	-0.80	1 / 1	27.43	26.63	0.460	30.00	-3.37
		3529.98	-0.80	1 / 1	27.43	26.63	0.460	30.00	-3.37
	QPSK	3470.01	-0.80	1 / 1	27.50	<b>26.70</b>	0.468	30.00	-3.30
		3500.01	-0.80	1 / 1	27.50	26.70	0.467	30.00	-3.30
		3529.98	-0.80	1 / 104	27.43	26.63	0.460	30.00	-3.37
	16-QAM	3470.01	-0.80	1 / 104	26.53	25.73	0.374	30.00	-4.27
	64-QAM	3500.01	-0.80	1 / 1	25.23	24.43	0.278	30.00	-5.57
	256-QAM	3470.01	-0.80	1 / 104	23.06	22.26	0.168	30.00	-7.74
50 MHz	π/2 BPSK	3475.02	-0.80	1 / 1	27.33	26.53	0.450	30.00	-3.47
		3500.01	-0.80	1 / 1	27.30	26.50	0.447	30.00	-3.50
		3525.00	-0.80	1 / 1	27.23	26.43	0.439	30.00	-3.57
	QPSK	3475.02	-0.80	1 / 64	27.33	26.53	0.450	30.00	-3.47
		3500.01	-0.80	1 / 1	27.35	<b>26.55</b>	0.452	30.00	-3.45
		3525.00	-0.80	1 / 1	27.33	26.53	0.449	30.00	-3.47
	16-QAM	3500.01	-0.80	1 / 1	26.43	25.63	0.366	30.00	-4.37
	64-QAM	3475.02	-0.80	1 / 1	25.20	24.40	0.275	30.00	-5.60
	256-QAM	3500.01	-0.80	1 / 1	22.76	21.96	0.157	30.00	-8.04
60 MHz	π/2 BPSK	3480.00	-0.80	1 / 81	27.38	26.58	0.455	30.00	-3.42
		3500.01	-0.80	1 / 81	27.38	<b>26.58</b>	0.455	30.00	-3.42
		3519.99	-0.80	1 / 1	27.29	26.49	0.445	30.00	-3.51
	QPSK	3480.00	-0.80	1 / 81	27.38	26.58	0.455	30.00	-3.42
		3500.01	-0.80	1 / 1	27.38	26.58	0.455	30.00	-3.42
		3519.99	-0.80	1 / 1	27.32	26.52	0.448	30.00	-3.48
	16-QAM	3480.00	-0.80	1 / 1	26.57	25.77	0.377	30.00	-4.23
	64-QAM	3519.99	-0.80	1 / 81	25.05	24.25	0.266	30.00	-5.75
	256-QAM	3519.99	-0.80	1 / 81	22.89	22.09	0.162	30.00	-7.91
70 MHz	π/2 BPSK	3485.01	-0.80	1 / 1	27.31	<b>26.51</b>	0.448	30.00	-3.49
		3500.01	-0.80	1 / 90	27.21	26.41	0.438	30.00	-3.59
		3514.98	-0.80	1 / 1	27.21	26.41	0.438	30.00	-3.59
	QPSK	3485.01	-0.80	1 / 1	27.29	26.49	0.446	30.00	-3.51
		3500.01	-0.80	1 / 1	27.21	26.41	0.437	30.00	-3.59
		3514.98	-0.80	1 / 90	27.18	26.38	0.435	30.00	-3.62
	16-QAM	3500.01	-0.80	1 / 90	26.42	25.62	0.364	30.00	-4.38
	64-QAM	3485.01	-0.80	1 / 187	24.92	24.12	0.258	30.00	-5.88
	256-QAM	3514.98	-0.80	1 / 1	22.83	22.03	0.159	30.00	-7.97
80 MHz	π/2 BPSK	3490.02	-0.80	1 / 1	27.25	26.45	0.441	30.00	-3.55
		3500.01	-0.80	1 / 108	27.32	<b>26.52</b>	0.449	30.00	-3.48
		3510.00	-0.80	1 / 108	27.29	26.49	0.446	30.00	-3.51
	QPSK	3490.02	-0.80	1 / 108	27.28	26.48	0.445	30.00	-3.52
		3500.01	-0.80	1 / 108	27.22	26.42	0.439	30.00	-3.58
		3510.00	-0.80	1 / 1	27.23	26.43	0.439	30.00	-3.57
	16-QAM	3500.01	-0.80	1 / 1	26.29	25.49	0.354	30.00	-4.51
	64-QAM	3490.02	-0.80	1 / 1	25.05	24.25	0.266	30.00	-5.75
	256-QAM	3490.02	-0.80	1 / 1	22.91	22.11	0.162	30.00	-7.89
90 MHz	π/2 BPSK	3495.00	-0.80	1 / 120	27.30	26.50	0.446	30.00	-3.50
		3500.01	-0.80	1 / 243	27.25	26.45	0.442	30.00	-3.55
		3504.99	-0.80	1 / 1	27.22	26.42	0.439	30.00	-3.58
	QPSK	3495.00	-0.80	1 / 120	27.26	26.46	0.443	30.00	-3.54
		3500.01	-0.80	1 / 1	27.32	<b>26.52</b>	0.449	30.00	-3.48
		3504.99	-0.80	1 / 243	27.31	26.51	0.447	30.00	-3.49
	16-QAM	3504.99	-0.80	1 / 120	26.47	25.67	0.369	30.00	-4.33
	64-QAM	3504.99	-0.80	1 / 120	24.94	24.14	0.259	30.00	-5.86
	256-QAM	3504.99	-0.80	1 / 120	22.91	22.11	0.162	30.00	-7.89
100 MHz	π/2 BPSK	3500.01	-0.80	1 / 135	27.30	26.50	0.446	30.00	-3.50
	QPSK	3500.01	-0.80	1 / 135	27.42	<b>26.62</b>	0.459	30.00	-3.38
	16-QAM	3500.01	-0.80	1 / 1	26.60	25.80	0.380	30.00	-4.20
	64-QAM	3500.01	-0.80	1 / 1	25.12	24.32	0.270	30.00	-5.68
	256-QAM	3500.01	-0.80	1 / 1	22.81	22.01	0.159	30.00	-7.99

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 233 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	-0.80	1 / 1	25.43	<b>24.63</b>	0.290	30.00	-5.37
		3500.01	-0.80	1 / 12	25.44	24.64	0.291	30.00	-5.36
		3544.98	-0.80	1 / 1	25.37	24.57	0.287	30.00	-5.43
	QPSK	3455.01	-0.80	1 / 22	25.50	<b>24.70</b>	0.295	30.00	-5.30
		3500.01	-0.80	1 / 22	25.44	24.64	0.291	30.00	-5.36
		3544.98	-0.80	1 / 1	25.40	24.60	0.288	30.00	-5.40
16-QAM	3500.01	-0.80	1 / 1	24.67	23.87	0.244	30.00	-6.13	
64-QAM	3500.01	-0.80	1 / 22	23.08	22.28	0.169	30.00	-7.72	
256-QAM	3455.01	-0.80	1 / 1	20.97	20.17	0.104	30.00	-9.83	
15 MHz	π/2 BPSK	3457.50	-0.80	1 / 1	25.70	24.90	0.309	30.00	-5.10
		3500.01	-0.80	1 / 1	25.66	24.86	0.306	30.00	-5.14
		3542.49	-0.80	1 / 36	25.66	24.86	0.306	30.00	-5.14
	QPSK	3457.50	-0.80	1 / 36	25.69	24.89	0.308	30.00	-5.11
		3500.01	-0.80	1 / 1	25.70	<b>24.90</b>	0.309	30.00	-5.10
		3542.49	-0.80	1 / 36	25.68	24.88	0.308	30.00	-5.12
16-QAM	3457.50	-0.80	1 / 1	25.03	24.23	0.265	30.00	-5.77	
64-QAM	3457.50	-0.80	1 / 1	23.41	22.61	0.183	30.00	-7.39	
256-QAM	3457.50	-0.80	1 / 1	21.17	20.37	0.109	30.00	-9.63	
20 MHz	π/2 BPSK	3460.02	-0.80	1 / 49	25.65	24.85	0.305	30.00	-5.15
		3500.01	-0.80	1 / 1	25.68	24.88	0.307	30.00	-5.12
		3540.00	-0.80	1 / 49	25.58	24.78	0.301	30.00	-5.22
	QPSK	3460.02	-0.80	1 / 1	25.65	24.85	0.306	30.00	-5.15
		3500.01	-0.80	1 / 49	25.69	<b>24.89</b>	0.309	30.00	-5.11
		3540.00	-0.80	1 / 49	25.67	24.87	0.307	30.00	-5.13
16-QAM	3540.00	-0.80	1 / 25	24.81	24.01	0.252	30.00	-5.99	
64-QAM	3540.00	-0.80	1 / 1	23.33	22.53	0.179	30.00	-7.47	
256-QAM	3460.02	-0.80	1 / 25	21.25	20.45	0.111	30.00	-9.55	
30 MHz	π/2 BPSK	3465.00	-0.80	1 / 1	25.69	24.89	0.308	30.00	-5.11
		3500.01	-0.80	1 / 1	25.67	24.87	0.307	30.00	-5.13
		3534.99	-0.80	1 / 76	25.63	24.83	0.304	30.00	-5.17
	QPSK	3465.00	-0.80	1 / 76	25.67	24.87	0.307	30.00	-5.13
		3500.01	-0.80	1 / 1	25.70	<b>24.90</b>	0.309	30.00	-5.10
		3534.99	-0.80	1 / 1	25.69	24.89	0.308	30.00	-5.11
16-QAM	3534.99	-0.80	1 / 36	24.77	23.97	0.250	30.00	-6.03	
64-QAM	3465.00	-0.80	1 / 1	23.33	22.53	0.179	30.00	-7.47	
256-QAM	3500.01	-0.80	1 / 76	21.42	20.62	0.115	30.00	-9.38	
40 MHz	π/2 BPSK	3470.01	-0.80	1 / 104	25.59	24.79	0.302	30.00	-5.21
		3500.01	-0.80	1 / 104	25.69	24.89	0.308	30.00	-5.11
		3529.98	-0.80	1 / 104	25.69	24.89	0.308	30.00	-5.11
	QPSK	3470.01	-0.80	1 / 104	25.70	<b>24.90</b>	0.309	30.00	-5.10
		3500.01	-0.80	1 / 104	25.69	24.89	0.309	30.00	-5.11
		3529.98	-0.80	1 / 104	25.65	24.85	0.305	30.00	-5.15
16-QAM	3500.01	-0.80	1 / 1	25.01	24.21	0.264	30.00	-5.79	
64-QAM	3470.01	-0.80	1 / 50	23.29	22.49	0.178	30.00	-7.51	
256-QAM	3500.01	-0.80	1 / 104	21.27	20.47	0.111	30.00	-9.53	
50 MHz	π/2 BPSK	3475.02	-0.80	1 / 1	25.43	24.63	0.291	30.00	-5.37
		3500.01	-0.80	1 / 64	25.42	24.62	0.289	30.00	-5.38
		3525.00	-0.80	1 / 1	25.45	24.65	0.292	30.00	-5.35
	QPSK	3475.02	-0.80	1 / 1	25.49	24.69	0.294	30.00	-5.31
		3500.01	-0.80	1 / 1	25.55	<b>24.75</b>	0.299	30.00	-5.25
		3525.00	-0.80	1 / 1	25.50	24.70	0.295	30.00	-5.30
16-QAM	3525.00	-0.80	1 / 64	24.57	23.77	0.238	30.00	-6.23	
64-QAM	3500.01	-0.80	1 / 1	23.28	22.48	0.177	30.00	-7.52	
256-QAM	3475.02	-0.80	1 / 64	21.03	20.23	0.105	30.00	-9.77	
60 MHz	π/2 BPSK	3480.00	-0.80	1 / 81	25.53	24.73	0.297	30.00	-5.27
		3500.01	-0.80	1 / 81	25.51	24.71	0.296	30.00	-5.29
		3519.99	-0.80	1 / 1	25.40	24.60	0.288	30.00	-5.40
	QPSK	3480.00	-0.80	1 / 81	25.62	<b>24.82</b>	0.303	30.00	-5.18
		3500.01	-0.80	1 / 81	25.54	24.74	0.298	30.00	-5.26
		3519.99	-0.80	1 / 81	25.48	24.68	0.294	30.00	-5.32
16-QAM	3480.00	-0.80	1 / 1	24.61	23.81	0.241	30.00	-6.19	
64-QAM	3480.00	-0.80	1 / 1	23.24	22.44	0.175	30.00	-7.56	
256-QAM	3519.99	-0.80	1 / 81	20.97	20.17	0.104	30.00	-9.83	
70 MHz	π/2 BPSK	3485.01	-0.80	1 / 1	25.46	24.66	0.293	30.00	-5.34
		3500.01	-0.80	1 / 1	25.52	24.72	0.297	30.00	-5.28
		3514.98	-0.80	1 / 1	25.46	24.66	0.293	30.00	-5.34
	QPSK	3485.01	-0.80	1 / 1	25.45	24.65	0.292	30.00	-5.35
		3500.01	-0.80	1 / 1	25.62	<b>24.82</b>	0.304	30.00	-5.18
		3514.98	-0.80	1 / 1	25.47	24.67	0.293	30.00	-5.33
16-QAM	3485.01	-0.80	1 / 90	24.59	23.79	0.239	30.00	-6.21	
64-QAM	3500.01	-0.80	1 / 1	23.18	22.38	0.173	30.00	-7.62	
256-QAM	3514.98	-0.80	1 / 1	21.01	20.21	0.105	30.00	-9.79	
80 MHz	π/2 BPSK	3490.02	-0.80	1 / 108	25.44	24.64	0.291	30.00	-5.36
		3500.01	-0.80	1 / 1	25.39	24.59	0.288	30.00	-5.41
		3510.00	-0.80	1 / 1	25.40	24.60	0.288	30.00	-5.40
	QPSK	3490.02	-0.80	1 / 108	25.38	24.58	0.287	30.00	-5.42
		3500.01	-0.80	1 / 1	25.48	24.68	0.294	30.00	-5.32
		3510.00	-0.80	1 / 1	25.49	<b>24.69</b>	0.295	30.00	-5.31
16-QAM	3510.00	-0.80	1 / 108	24.70	23.90	0.246	30.00	-6.10	
64-QAM	3510.00	-0.80	1 / 108	23.09	22.29	0.170	30.00	-7.71	
256-QAM	3490.02	-0.80	1 / 1	21.16	20.36	0.109	30.00	-9.64	
90 MHz	π/2 BPSK	3495.00	-0.80	1 / 1	25.39	24.59	0.288	30.00	-5.41
		3500.01	-0.80	1 / 120	25.39	24.59	0.288	30.00	-5.41
		3504.99	-0.80	1 / 1	25.46	24.66	0.292	30.00	-5.34
	QPSK	3495.00	-0.80	1 / 1	25.45	24.65	0.292	30.00	-5.35
		3500.01	-0.80	1 / 1	25.43	24.63	0.291	30.00	-5.37
		3504.99	-0.80	1 / 1	25.47	<b>24.67</b>	0.293	30.00	-5.33
16-QAM	3495.00	-0.80	1 / 1	24.58	23.78	0.239	30.00	-6.22	
64-QAM	3500.01	-0.80	1 / 243	23.33	22.53	0.179	30.00	-7.47	
256-QAM	3500.01	-0.80	1 / 120	21.14	20.34	0.108	30.00	-9.66	
100 MHz	π/2 BPSK	3500.01	-0.80	1 / 135	25.64	<b>24.84</b>	0.305	30.00	-5.16
		3500.01	-0.80	1 / 1	25.64	24.84	0.305	30.00	-5.16
	16-QAM	3500.01	-0.80	1 / 1	24.66	23.86	0.243	30.00	-6.14
	256-QAM	3500.01	-0.80	1 / 271	23.52	22.72	0.187	30.00	-7.28
256-QAM	3500.01	-0.80	1 / 1	21.16	20.36	0.109	30.00	-9.64	

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	0.50	1 / 12	27.38	<b>27.88</b>	0.614	30.00	-2.12
		3840.00	0.50	1 / 12	27.05	27.55	0.569	30.00	-2.45
		3975.00	0.50	1 / 1	27.28	<b>27.78</b>	0.600	30.00	-2.22
	QPSK	3705.00	0.50	1 / 12	27.16	27.66	0.583	30.00	-2.34
		3840.00	0.50	1 / 12	27.08	27.58	0.573	30.00	-2.42
		3975.00	0.50	1 / 12	27.10	27.60	0.575	30.00	-2.40
	16-QAM	3705.00	0.50	1 / 22	26.39	26.89	0.488	30.00	-3.11
	64-QAM	3705.00	0.50	1 / 22	24.79	25.29	0.338	30.00	-4.71
	256-QAM	3975.00	0.50	1 / 12	22.65	23.15	0.206	30.00	-6.85
	15 MHz	π/2 BPSK	3707.51	0.50	1 / 36	27.36	27.86	0.611	30.00
3840.00			0.50	1 / 36	27.05	27.55	0.569	30.00	-2.45
3972.50			0.50	1 / 36	27.29	27.79	0.601	30.00	-2.21
QPSK		3707.51	0.50	1 / 1	27.39	<b>27.89</b>	0.616	30.00	-2.11
		3840.00	0.50	1 / 1	27.09	27.59	0.574	30.00	-2.41
		3972.50	0.50	1 / 1	27.34	27.84	0.607	30.00	-2.16
16-QAM		3707.51	0.50	1 / 1	26.73	27.23	0.529	30.00	-2.77
64-QAM		3972.50	0.50	1 / 36	25.08	25.58	0.362	30.00	-4.42
256-QAM		3972.50	0.50	1 / 1	22.99	23.49	0.223	30.00	-6.51
20 MHz		π/2 BPSK	3710.01	0.50	1 / 49	27.39	27.89	0.616	30.00
	3840.00		0.50	1 / 1	27.02	27.52	0.565	30.00	-2.48
	3969.99		0.50	1 / 49	27.30	27.80	0.603	30.00	-2.20
	QPSK	3710.01	0.50	1 / 1	27.40	<b>27.90</b>	0.616	30.00	-2.10
		3840.00	0.50	1 / 1	27.06	27.56	0.570	30.00	-2.44
		3969.99	0.50	1 / 1	27.26	27.76	0.597	30.00	-2.24
	16-QAM	3969.99	0.50	1 / 1	26.49	26.99	0.500	30.00	-3.01
	64-QAM	3969.99	0.50	1 / 25	25.08	25.58	0.361	30.00	-4.42
	256-QAM	3969.99	0.50	1 / 49	22.90	23.40	0.219	30.00	-6.60
	30 MHz	π/2 BPSK	3715.02	0.50	1 / 76	27.34	27.84	0.608	30.00
3840.00			0.50	1 / 1	27.02	27.52	0.565	30.00	-2.48
3964.98			0.50	1 / 1	27.37	<b>27.87</b>	0.613	30.00	-2.13
QPSK		3715.02	0.50	1 / 76	27.36	27.86	0.611	30.00	-2.14
		3840.00	0.50	1 / 1	27.12	27.62	0.578	30.00	-2.38
		3964.98	0.50	1 / 1	27.36	27.86	0.611	30.00	-2.14
16-QAM		3715.02	0.50	1 / 36	26.30	26.80	0.479	30.00	-3.20
64-QAM		3964.98	0.50	1 / 1	24.97	25.47	0.352	30.00	-4.53
256-QAM		3964.98	0.50	1 / 1	22.92	23.42	0.220	30.00	-6.58
40 MHz		π/2 BPSK	3720.00	0.50	1 / 1	27.24	27.74	0.595	30.00
	3840.00		0.50	1 / 1	27.17	27.67	0.585	30.00	-2.33
	3960.00		0.50	1 / 1	27.19	27.69	0.587	30.00	-2.31
	QPSK	3720.00	0.50	1 / 1	27.33	<b>27.83</b>	0.606	30.00	-2.17
		3840.00	0.50	1 / 1	27.16	27.66	0.583	30.00	-2.34
		3960.00	0.50	1 / 1	27.11	27.61	0.577	30.00	-2.39
	16-QAM	3720.00	0.50	1 / 1	26.37	26.87	0.487	30.00	-3.13
	64-QAM	3720.00	0.50	1 / 1	24.87	25.37	0.344	30.00	-4.63
	256-QAM	3720.00	0.50	1 / 104	22.74	23.24	0.211	30.00	-6.76
	50 MHz	π/2 BPSK	3725.01	0.50	1 / 64	27.35	27.85	0.609	30.00
3840.00			0.50	1 / 131	27.22	27.72	0.592	30.00	-2.28
3954.99			0.50	1 / 131	27.24	27.74	0.594	30.00	-2.26
QPSK		3725.01	0.50	1 / 64	27.37	<b>27.87</b>	0.613	30.00	-2.13
		3840.00	0.50	1 / 1	27.02	27.52	0.565	30.00	-2.48
		3954.99	0.50	1 / 1	27.20	27.70	0.588	30.00	-2.30
16-QAM		3840.00	0.50	1 / 1	26.45	26.95	0.496	30.00	-3.05
64-QAM		3725.01	0.50	1 / 131	25.02	25.52	0.356	30.00	-4.48
256-QAM		3725.01	0.50	1 / 64	23.09	23.59	0.229	30.00	-6.41
60 MHz		π/2 BPSK	3730.02	0.50	1 / 81	27.24	27.74	0.594	30.00
	3840.00		0.50	1 / 160	27.15	27.65	0.582	30.00	-2.35
	3949.98		0.50	1 / 1	27.18	27.68	0.587	30.00	-2.32
	QPSK	3730.02	0.50	1 / 81	27.34	<b>27.84</b>	0.609	30.00	-2.16
		3840.00	0.50	1 / 160	27.03	27.53	0.566	30.00	-2.47
		3949.98	0.50	1 / 81	27.29	27.79	0.602	30.00	-2.21
	16-QAM	3949.98	0.50	1 / 81	26.47	26.97	0.497	30.00	-3.03
	64-QAM	3730.02	0.50	1 / 81	24.76	25.26	0.336	30.00	-4.74
	256-QAM	3949.98	0.50	1 / 81	22.79	23.29	0.213	30.00	-6.71
	70 MHz	π/2 BPSK	3735.00	0.50	1 / 1	27.31	<b>27.81</b>	0.604	30.00
3840.00			0.50	1 / 1	27.18	27.68	0.586	30.00	-2.32
3945.00			0.50	1 / 90	27.22	27.72	0.591	30.00	-2.28
QPSK		3735.00	0.50	1 / 90	27.28	27.78	0.600	30.00	-2.22
		3840.00	0.50	1 / 90	27.03	27.53	0.566	30.00	-2.47
		3945.00	0.50	1 / 90	27.30	27.80	0.602	30.00	-2.20
16-QAM		3945.00	0.50	1 / 187	26.37	26.87	0.487	30.00	-3.13
64-QAM		3735.00	0.50	1 / 1	24.82	25.32	0.340	30.00	-4.68
256-QAM		3735.00	0.50	1 / 90	22.83	23.33	0.216	30.00	-6.67
80 MHz		π/2 BPSK	3740.01	0.50	1 / 1	27.50	<b>28.00</b>	0.631	30.00
	3840.00		0.50	1 / 108	27.15	27.65	0.582	30.00	-2.35
	3939.99		0.50	1 / 108	27.32	27.82	0.605	30.00	-2.18
	QPSK	3740.01	0.50	1 / 108	27.44	27.94	0.623	30.00	-2.06
		3840.00	0.50	1 / 108	27.25	27.75	0.596	30.00	-2.25
		3939.99	0.50	1 / 108	27.42	27.92	0.620	30.00	-2.08
	16-QAM	3740.01	0.50	1 / 1	26.15	26.65	0.463	30.00	-3.35
	64-QAM	3740.01	0.50	1 / 1	24.72	25.22	0.333	30.00	-4.78
	256-QAM	3939.99	0.50	1 / 215	22.62	23.12	0.205	30.00	-6.88
	90 MHz	π/2 BPSK	3745.02	0.50	1 / 1	27.22	27.72	0.592	30.00
3840.00			0.50	1 / 1	27.16	27.66	0.583	30.00	-2.34
3934.98			0.50	1 / 1	27.35	<b>27.85</b>	0.610	30.00	-2.15
QPSK		3745.02	0.50	1 / 1	27.19	27.69	0.587	30.00	-2.31
		3840.00	0.50	1 / 1	27.03	27.53	0.566	30.00	-2.47
		3934.98	0.50	1 / 243	27.23	27.73	0.593	30.00	-2.27
16-QAM		3745.02	0.50	1 / 120	26.30	26.80	0.479	30.00	-3.20
64-QAM		3745.02	0.50	1 / 1	24.53	25.03	0.319	30.00	-4.97
256-QAM		3745.02	0.50	1 / 120	22.58	23.08	0.203	30.00	-6.92
100 MHz		π/2 BPSK	3750.00	0.50	1 / 135	27.27	27.77	0.598	30.00
	3840.00		0.50	1 / 135	27.14	27.64	0.581	30.00	-2.36
	3930.00		0.50	1 / 271	27.32	<b>27.82</b>	0.606	30.00	-2.18
	QPSK	3750.00	0.50	1 / 1	27.17	27.67	0.585	30.00	-2.33
		3840.00	0.50	1 / 1	27.12	27.62	0.578	30.00	-2.38
		3930.00	0.50	1 / 271	27.21	27.71	0.590	30.00	-2.29
	16-QAM	3930.00	0.50	1 / 271	26.39	26.89	0.488	30.00	-3.11
	64-QAM	3750.00	0.50	1 / 1	24.87	25.37	0.344	30.00	-4.63
	256-QAM	3750.00	0.50	1 / 1	22.65	23.15	0.206	30.00	-6.85

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	11/2 BPSK	3705.00	0.50	1 / 22	25.53	<b>26.03</b>	0.401	30.00	-3.97
		3840.00	0.50	1 / 12	25.21	25.71	0.372	30.00	-4.29
		3975.00	0.50	1 / 22	25.52	26.02	0.400	30.00	-3.98
	QPSK	3705.00	0.50	1 / 22	25.63	<b>26.13</b>	0.410	30.00	-3.87
		3840.00	0.50	1 / 22	25.24	25.74	0.375	30.00	-4.26
		3975.00	0.50	1 / 22	25.52	26.02	0.400	30.00	-3.98
	16-QAM	3975.00	0.50	1 / 12	24.92	25.42	0.348	30.00	-4.58
	64-QAM	3705.00	0.50	1 / 22	23.30	23.80	0.240	30.00	-6.20
	256-QAM	3705.00	0.50	1 / 12	21.13	21.63	0.146	30.00	-8.37
	15 MHz	11/2 BPSK	3707.51	0.50	1 / 1	25.51	26.01	0.399	30.00
3840.00			0.50	1 / 1	25.29	25.79	0.379	30.00	-4.21
3972.50			0.50	1 / 36	25.54	26.04	0.402	30.00	-3.96
QPSK		3707.51	0.50	1 / 1	25.60	26.10	0.407	30.00	-3.90
		3840.00	0.50	1 / 1	25.28	25.78	0.379	30.00	-4.22
		3972.50	0.50	1 / 36	25.65	<b>26.15</b>	0.412	30.00	-3.85
16-QAM		3707.51	0.50	1 / 36	24.69	25.19	0.331	30.00	-4.81
64-QAM		3707.51	0.50	1 / 1	23.05	23.55	0.226	30.00	-6.45
256-QAM		3707.51	0.50	1 / 1	21.10	21.60	0.145	30.00	-8.40
20 MHz		11/2 BPSK	3710.01	0.50	1 / 1	25.45	25.95	0.394	30.00
	3840.00		0.50	1 / 25	25.22	25.72	0.373	30.00	-4.28
	3969.99		0.50	1 / 49	25.59	26.09	0.406	30.00	-3.91
	QPSK	3710.01	0.50	1 / 1	25.55	26.05	0.403	30.00	-3.95
		3840.00	0.50	1 / 49	25.24	25.74	0.375	30.00	-4.26
		3969.99	0.50	1 / 49	25.62	<b>26.12</b>	0.409	30.00	-3.88
	16-QAM	3710.01	0.50	1 / 25	24.75	25.25	0.335	30.00	-4.75
	64-QAM	3710.01	0.50	1 / 49	23.20	23.70	0.234	30.00	-6.30
	256-QAM	3969.99	0.50	1 / 49	21.09	21.59	0.144	30.00	-8.41
	30 MHz	11/2 BPSK	3715.02	0.50	1 / 1	25.28	25.78	0.378	30.00
3840.00			0.50	1 / 1	25.27	25.77	0.378	30.00	-4.23
3964.98			0.50	1 / 1	25.24	25.74	0.375	30.00	-4.26
QPSK		3715.02	0.50	1 / 1	25.31	25.81	0.381	30.00	-4.19
		3840.00	0.50	1 / 1	25.22	25.72	0.373	30.00	-4.28
		3964.98	0.50	1 / 1	25.43	<b>25.93</b>	0.392	30.00	-4.07
16-QAM		3715.02	0.50	1 / 1	24.22	24.72	0.297	30.00	-5.28
64-QAM		3964.98	0.50	1 / 1	22.77	23.27	0.212	30.00	-6.73
256-QAM		3715.02	0.50	1 / 76	20.73	21.23	0.133	30.00	-8.77
40 MHz		11/2 BPSK	3720.00	0.50	1 / 1	25.41	25.91	0.390	30.00
	3840.00		0.50	1 / 1	25.35	25.85	0.385	30.00	-4.15
	3960.00		0.50	1 / 1	25.46	<b>25.96</b>	0.394	30.00	-4.04
	QPSK	3720.00	0.50	1 / 1	25.37	25.87	0.386	30.00	-4.13
		3840.00	0.50	1 / 1	25.26	25.76	0.377	30.00	-4.24
		3960.00	0.50	1 / 1	25.44	25.94	0.393	30.00	-4.06
	16-QAM	3960.00	0.50	1 / 104	24.42	24.92	0.311	30.00	-5.08
	64-QAM	3720.00	0.50	1 / 1	22.69	23.19	0.208	30.00	-6.81
	256-QAM	3720.00	0.50	1 / 1	20.84	21.34	0.136	30.00	-8.66
	50 MHz	11/2 BPSK	3725.01	0.50	1 / 64	25.33	25.83	0.383	30.00
3840.00			0.50	1 / 1	25.22	25.72	0.373	30.00	-4.28
3954.99			0.50	1 / 1	25.39	<b>25.89</b>	0.388	30.00	-4.11
QPSK		3725.01	0.50	1 / 64	25.35	25.85	0.385	30.00	-4.15
		3840.00	0.50	1 / 1	25.27	25.77	0.378	30.00	-4.23
		3954.99	0.50	1 / 131	25.27	25.77	0.378	30.00	-4.23
16-QAM		3840.00	0.50	1 / 131	24.56	25.06	0.321	30.00	-4.94
64-QAM		3725.01	0.50	1 / 64	23.29	23.79	0.239	30.00	-6.21
256-QAM		3725.01	0.50	1 / 64	21.15	21.65	0.146	30.00	-8.35
60 MHz		11/2 BPSK	3730.02	0.50	1 / 1	25.49	25.99	0.397	30.00
	3840.00		0.50	1 / 160	25.40	25.90	0.389	30.00	-4.10
	3949.98		0.50	1 / 1	25.46	25.96	0.395	30.00	-4.04
	QPSK	3730.02	0.50	1 / 81	25.53	26.03	0.400	30.00	-3.97
		3840.00	0.50	1 / 160	25.56	26.06	0.403	30.00	-3.94
		3949.98	0.50	1 / 160	25.58	<b>26.08</b>	0.406	30.00	-3.92
	16-QAM	3730.02	0.50	1 / 81	25.06	25.56	0.360	30.00	-4.44
	64-QAM	3949.98	0.50	1 / 81	23.26	23.76	0.238	30.00	-6.24
	256-QAM	3840.00	0.50	1 / 81	21.24	21.74	0.149	30.00	-8.28
	70 MHz	11/2 BPSK	3735.00	0.50	1 / 90	25.50	26.00	0.398	30.00
3840.00			0.50	1 / 90	25.62	<b>26.12</b>	0.409	30.00	-3.88
3945.00			0.50	1 / 1	25.57	26.07	0.404	30.00	-3.93
QPSK		3735.00	0.50	1 / 90	25.59	26.09	0.407	30.00	-3.91
		3840.00	0.50	1 / 90	25.59	26.09	0.407	30.00	-3.91
		3945.00	0.50	1 / 90	25.44	25.94	0.392	30.00	-4.06
16-QAM		3945.00	0.50	1 / 1	24.75	25.25	0.335	30.00	-4.75
64-QAM		3945.00	0.50	1 / 1	23.17	23.67	0.233	30.00	-6.33
256-QAM		3840.00	0.50	1 / 90	21.10	21.60	0.144	30.00	-8.40
80 MHz		11/2 BPSK	3740.01	0.50	1 / 215	25.21	25.71	0.372	30.00
	3840.00		0.50	1 / 108	25.47	<b>25.97</b>	0.395	30.00	-4.03
	3939.99		0.50	1 / 108	25.38	25.88	0.387	30.00	-4.12
	QPSK	3740.01	0.50	1 / 108	25.31	25.81	0.381	30.00	-4.19
		3840.00	0.50	1 / 108	25.45	25.95	0.394	30.00	-4.05
		3939.99	0.50	1 / 108	25.35	25.85	0.385	30.00	-4.15
	16-QAM	3740.01	0.50	1 / 108	24.54	25.04	0.319	30.00	-4.96
	64-QAM	3840.00	0.50	1 / 108	23.03	23.53	0.226	30.00	-6.47
	256-QAM	3840.00	0.50	1 / 108	20.91	21.41	0.138	30.00	-8.59
	90 MHz	11/2 BPSK	3745.02	0.50	1 / 243	25.23	25.73	0.374	30.00
3840.00			0.50	1 / 120	25.41	25.91	0.390	30.00	-4.09
3934.98			0.50	1 / 120	25.38	25.88	0.387	30.00	-4.12
QPSK		3745.02	0.50	1 / 1	25.35	25.85	0.385	30.00	-4.15
		3840.00	0.50	1 / 243	25.36	25.86	0.386	30.00	-4.14
		3934.98	0.50	1 / 120	25.54	<b>26.04</b>	0.402	30.00	-3.96
16-QAM		3934.98	0.50	1 / 120	24.73	25.23	0.333	30.00	-4.77
64-QAM		3840.00	0.50	1 / 120	23.18	23.68	0.233	30.00	-6.32
256-QAM		3745.02	0.50	1 / 243	20.90	21.40	0.138	30.00	-8.60
100 MHz		11/2 BPSK	3750.00	0.50	1 / 271	25.31	25.81	0.381	30.00
	3840.00		0.50	1 / 271	25.37	25.87	0.386	30.00	-4.13
	3930.00		0.50	1 / 1	25.56	26.06	0.404	30.00	-3.94
	QPSK	3750.00	0.50	1 / 1	25.36	25.86	0.386	30.00	-4.14
		3840.00	0.50	1 / 271	25.65	<b>26.15</b>	0.412	30.00	-3.85
		3930.00	0.50	1 / 1	25.54	26.04	0.402	30.00	-3.96
	16-QAM	3840.00	0.50	1 / 135	24.64	25.14	0.327	30.00	-4.86
	64-QAM	3930.00	0.50	1 / 135	23.03	23.53	0.226	30.00	-6.47
	256-QAM	3750.00	0.50	1 / 135	21.03	21.53	0.142	30.00	-8.47

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 236 of 265

## 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	-0.40	1 / 12	23.09	<b>22.69</b>	0.186	30.00	-7.31
		3500.01	-0.40	1 / 22	23.20	22.80	0.190	30.00	-7.20
		3544.98	-0.40	1 / 22	23.25	22.85	0.193	30.00	-7.15
	QPSK	3455.01	-0.40	1 / 22	23.20	22.80	0.191	30.00	-7.20
		3500.01	-0.40	1 / 1	23.21	22.81	0.191	30.00	-7.19
		3544.98	-0.40	1 / 1	23.30	<b>22.90</b>	0.195	30.00	-7.10
16-QAM	3500.01	-0.40	1 / 22	22.65	22.25	0.168	30.00	-7.75	
64-QAM	3500.01	-0.40	1 / 12	20.86	20.46	0.111	30.00	-9.54	
256-QAM	3500.01	-0.40	1 / 1	18.84	18.44	0.070	30.00	-11.56	
15 MHz	π/2 BPSK	3457.50	-0.40	1 / 36	23.23	22.83	0.192	30.00	-7.17
		3500.01	-0.40	1 / 36	23.34	22.94	0.197	30.00	-7.06
		3542.49	-0.40	1 / 36	23.35	22.95	0.197	30.00	-7.05
	QPSK	3457.50	-0.40	1 / 18	23.25	22.85	0.193	30.00	-7.15
		3500.01	-0.40	1 / 36	23.32	22.92	0.196	30.00	-7.08
		3542.49	-0.40	1 / 1	23.36	<b>22.96</b>	0.198	30.00	-7.04
16-QAM	3457.50	-0.40	1 / 36	22.60	22.20	0.166	30.00	-7.80	
64-QAM	3500.01	-0.40	1 / 1	21.08	20.68	0.117	30.00	-9.32	
256-QAM	3500.01	-0.40	1 / 36	18.88	18.48	0.070	30.00	-11.52	
20 MHz	π/2 BPSK	3460.02	-0.40	1 / 49	23.28	22.88	0.194	30.00	-7.12
		3500.01	-0.40	1 / 1	23.38	22.98	0.199	30.00	-7.02
		3540.00	-0.40	1 / 1	23.40	23.00	0.199	30.00	-7.00
	QPSK	3460.02	-0.40	1 / 49	23.31	22.91	0.196	30.00	-7.09
		3500.01	-0.40	1 / 49	23.42	<b>23.02</b>	0.200	30.00	-6.98
		3540.00	-0.40	1 / 25	23.40	23.00	0.200	30.00	-7.00
16-QAM	3540.00	-0.40	1 / 1	22.66	22.26	0.168	30.00	-7.74	
64-QAM	3540.00	-0.40	1 / 49	21.07	20.67	0.117	30.00	-9.33	
256-QAM	3500.01	-0.40	1 / 49	18.92	18.52	0.071	30.00	-11.48	
30 MHz	π/2 BPSK	3465.00	-0.40	1 / 76	23.41	23.01	0.200	30.00	-6.99
		3500.01	-0.40	1 / 1	23.44	23.04	0.201	30.00	-6.96
		3534.99	-0.40	1 / 1	23.47	23.07	0.203	30.00	-6.93
	QPSK	3465.00	-0.40	1 / 1	23.50	23.10	0.204	30.00	-6.90
		3500.01	-0.40	1 / 1	23.45	23.05	0.202	30.00	-6.95
		3534.99	-0.40	1 / 1	23.50	<b>23.10</b>	0.204	30.00	-6.90
16-QAM	3534.99	-0.40	1 / 36	22.53	22.13	0.163	30.00	-7.87	
64-QAM	3534.99	-0.40	1 / 76	21.13	20.73	0.118	30.00	-9.27	
256-QAM	3534.99	-0.40	1 / 1	18.94	18.54	0.071	30.00	-11.46	
40 MHz	π/2 BPSK	3470.01	-0.40	1 / 104	23.50	23.10	0.204	30.00	-6.90
		3500.01	-0.40	1 / 104	23.47	23.07	0.203	30.00	-6.93
		3529.98	-0.40	1 / 104	23.50	<b>23.10</b>	0.204	30.00	-6.90
	QPSK	3470.01	-0.40	1 / 1	23.47	23.07	0.203	30.00	-6.93
		3500.01	-0.40	1 / 104	23.49	23.09	0.204	30.00	-6.91
		3529.98	-0.40	1 / 104	23.49	23.09	0.203	30.00	-6.91
16-QAM	3500.01	-0.40	1 / 104	22.80	22.40	0.174	30.00	-7.60	
64-QAM	3529.98	-0.40	1 / 1	21.24	20.84	0.121	30.00	-9.16	
256-QAM	3500.01	-0.40	1 / 104	18.98	18.58	0.072	30.00	-11.42	
50 MHz	π/2 BPSK	3475.02	-0.40	1 / 131	23.17	22.77	0.189	30.00	-7.23
		3500.01	-0.40	1 / 1	23.25	<b>22.85</b>	0.193	30.00	-7.15
		3525.00	-0.40	1 / 1	23.22	22.82	0.191	30.00	-7.18
	QPSK	3475.02	-0.40	1 / 131	23.13	22.73	0.188	30.00	-7.27
		3500.01	-0.40	1 / 1	23.25	22.85	0.193	30.00	-7.15
		3525.00	-0.40	1 / 64	23.18	22.78	0.190	30.00	-7.22
16-QAM	3525.00	-0.40	1 / 1	22.64	22.24	0.168	30.00	-7.76	
64-QAM	3475.02	-0.40	1 / 1	21.06	20.66	0.117	30.00	-9.34	
256-QAM	3525.00	-0.40	1 / 64	18.72	18.32	0.068	30.00	-11.68	
60 MHz	π/2 BPSK	3480.00	-0.40	1 / 81	23.32	<b>22.92</b>	0.196	30.00	-7.08
		3500.01	-0.40	1 / 81	23.27	22.87	0.194	30.00	-7.13
		3519.99	-0.40	1 / 81	23.24	22.84	0.192	30.00	-7.16
	QPSK	3480.00	-0.40	1 / 81	23.24	22.84	0.192	30.00	-7.16
		3500.01	-0.40	1 / 160	23.22	22.82	0.192	30.00	-7.18
		3519.99	-0.40	1 / 81	23.20	22.80	0.191	30.00	-7.20
16-QAM	3480.00	-0.40	1 / 81	22.32	21.92	0.156	30.00	-8.08	
64-QAM	3480.00	-0.40	1 / 160	20.96	20.56	0.114	30.00	-9.44	
256-QAM	3500.01	-0.40	1 / 1	18.74	18.34	0.068	30.00	-11.66	
70 MHz	π/2 BPSK	3485.01	-0.40	1 / 1	23.12	22.72	0.187	30.00	-7.28
		3500.01	-0.40	1 / 1	23.16	22.76	0.189	30.00	-7.24
		3514.98	-0.40	1 / 1	23.15	22.75	0.188	30.00	-7.25
	QPSK	3485.01	-0.40	1 / 90	23.29	<b>22.89</b>	0.195	30.00	-7.11
		3500.01	-0.40	1 / 1	23.28	22.88	0.194	30.00	-7.12
		3514.98	-0.40	1 / 1	23.28	22.88	0.194	30.00	-7.12
16-QAM	3500.01	-0.40	1 / 187	22.41	22.01	0.159	30.00	-7.99	
64-QAM	3485.01	-0.40	1 / 1	20.97	20.57	0.114	30.00	-9.43	
256-QAM	3514.98	-0.40	1 / 1	18.78	18.38	0.069	30.00	-11.62	
80 MHz	π/2 BPSK	3490.02	-0.40	1 / 1	23.15	22.75	0.188	30.00	-7.25
		3500.01	-0.40	1 / 215	23.21	22.81	0.191	30.00	-7.19
		3510.00	-0.40	1 / 1	23.32	<b>22.92</b>	0.196	30.00	-7.08
	QPSK	3490.02	-0.40	1 / 1	23.25	22.85	0.193	30.00	-7.15
		3500.01	-0.40	1 / 215	23.17	22.77	0.189	30.00	-7.23
		3510.00	-0.40	1 / 1	23.24	22.84	0.192	30.00	-7.16
16-QAM	3510.00	-0.40	1 / 1	22.31	21.91	0.155	30.00	-8.09	
64-QAM	3490.02	-0.40	1 / 108	20.95	20.55	0.113	30.00	-9.45	
256-QAM	3500.01	-0.40	1 / 215	18.74	18.34	0.068	30.00	-11.66	
90 MHz	π/2 BPSK	3495.00	-0.40	1 / 243	23.20	22.80	0.190	30.00	-7.20
		3500.01	-0.40	1 / 243	23.31	22.91	0.195	30.00	-7.09
		3504.99	-0.40	1 / 243	23.34	22.94	0.197	30.00	-7.06
	QPSK	3495.00	-0.40	1 / 243	23.35	<b>22.95</b>	0.197	30.00	-7.05
		3500.01	-0.40	1 / 243	23.28	22.88	0.194	30.00	-7.12
		3504.99	-0.40	1 / 243	23.18	22.78	0.190	30.00	-7.22
16-QAM	3504.99	-0.40	1 / 1	22.68	22.28	0.169	30.00	-7.72	
64-QAM	3504.99	-0.40	1 / 243	20.91	20.51	0.112	30.00	-9.49	
256-QAM	3504.99	-0.40	1 / 1	18.81	18.41	0.069	30.00	-11.59	
100 MHz	π/2 BPSK	3500.01	-0.40	1 / 271	23.24	22.84	0.192	30.00	-7.16
	QPSK	3500.01	-0.40	1 / 271	23.35	<b>22.95</b>	0.197	30.00	-7.05
	16-QAM	3500.01	-0.40	1 / 1	22.82	22.42	0.175	30.00	-7.58
	256-QAM	3500.01	-0.40	1 / 271	21.06	20.66	0.116	30.00	-9.34
256-QAM	3500.01	-0.40	1 / 271	18.92	18.52	0.071	30.00	-11.48	

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 237 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	-0.40	1 / 22	23.10	<b>22.70</b>	0.186	30.00	-7.30
		3500.01	-0.40	1 / 22	23.24	22.84	0.192	30.00	-7.16
		3544.98	-0.40	1 / 12	23.22	22.82	0.191	30.00	-7.18
	QPSK	3455.01	-0.40	1 / 22	23.21	22.81	0.191	30.00	-7.19
		3500.01	-0.40	1 / 12	23.26	22.86	0.193	30.00	-7.14
		3544.98	-0.40	1 / 22	23.31	<b>22.91</b>	0.195	30.00	-7.09
16-QAM	3500.01	-0.40	1 / 22	22.43	22.03	0.159	30.00	-7.97	
64-QAM	3544.98	-0.40	1 / 1	20.95	20.55	0.114	30.00	-9.45	
256-QAM	3544.98	-0.40	1 / 12	18.76	18.36	0.069	30.00	-11.64	
15 MHz	π/2 BPSK	3457.50	-0.40	1 / 36	23.22	22.82	0.191	30.00	-7.18
		3500.01	-0.40	1 / 1	23.25	22.85	0.193	30.00	-7.15
		3542.49	-0.40	1 / 1	23.36	22.96	0.198	30.00	-7.04
	QPSK	3457.50	-0.40	1 / 36	23.33	22.93	0.196	30.00	-7.07
		3500.01	-0.40	1 / 1	23.32	22.92	0.196	30.00	-7.08
		3542.49	-0.40	1 / 1	23.38	<b>22.98</b>	0.198	30.00	-7.02
16-QAM	3500.01	-0.40	1 / 36	22.48	22.08	0.161	30.00	-7.92	
64-QAM	3542.49	-0.40	1 / 1	20.91	20.51	0.113	30.00	-9.49	
256-QAM	3542.49	-0.40	1 / 36	18.83	18.43	0.070	30.00	-11.57	
20 MHz	π/2 BPSK	3460.02	-0.40	1 / 49	23.26	22.86	0.193	30.00	-7.14
		3500.01	-0.40	1 / 49	23.26	22.86	0.193	30.00	-7.14
		3540.00	-0.40	1 / 1	23.31	22.91	0.195	30.00	-7.09
	QPSK	3460.02	-0.40	1 / 1	23.30	22.90	0.195	30.00	-7.10
		3500.01	-0.40	1 / 49	23.24	22.84	0.192	30.00	-7.16
		3540.00	-0.40	1 / 49	23.37	<b>22.97</b>	0.198	30.00	-7.03
16-QAM	3460.02	-0.40	1 / 1	22.38	21.98	0.158	30.00	-8.02	
64-QAM	3500.01	-0.40	1 / 49	21.09	20.69	0.117	30.00	-9.31	
256-QAM	3540.00	-0.40	1 / 49	18.87	18.47	0.070	30.00	-11.53	
30 MHz	π/2 BPSK	3465.00	-0.40	1 / 76	23.43	23.03	0.201	30.00	-6.97
		3500.01	-0.40	1 / 1	23.46	23.06	0.202	30.00	-6.94
		3534.99	-0.40	1 / 76	23.40	23.00	0.199	30.00	-7.00
	QPSK	3465.00	-0.40	1 / 76	23.44	23.04	0.202	30.00	-6.96
		3500.01	-0.40	1 / 1	23.46	23.06	0.203	30.00	-6.94
		3534.99	-0.40	1 / 1	23.49	<b>23.09</b>	0.204	30.00	-6.91
16-QAM	3500.01	-0.40	1 / 1	22.59	22.19	0.166	30.00	-7.81	
64-QAM	3534.99	-0.40	1 / 36	21.06	20.66	0.116	30.00	-9.34	
256-QAM	3534.99	-0.40	1 / 1	19.00	18.60	0.072	30.00	-11.40	
40 MHz	π/2 BPSK	3470.01	-0.40	1 / 104	23.45	23.05	0.202	30.00	-6.95
		3500.01	-0.40	1 / 1	23.45	23.05	0.202	30.00	-6.95
		3529.98	-0.40	1 / 104	23.48	23.08	0.203	30.00	-6.92
	QPSK	3470.01	-0.40	1 / 104	23.45	23.05	0.202	30.00	-6.95
		3500.01	-0.40	1 / 1	23.46	23.06	0.202	30.00	-6.94
		3529.98	-0.40	1 / 104	23.50	<b>23.10</b>	0.204	30.00	-6.90
16-QAM	3500.01	-0.40	1 / 104	22.52	22.12	0.163	30.00	-7.88	
64-QAM	3470.01	-0.40	1 / 1	21.14	20.74	0.119	30.00	-9.26	
256-QAM	3529.98	-0.40	1 / 104	19.04	18.64	0.073	30.00	-11.36	
50 MHz	π/2 BPSK	3475.02	-0.40	1 / 1	23.15	22.75	0.188	30.00	-7.25
		3500.01	-0.40	1 / 1	23.12	22.72	0.187	30.00	-7.28
		3525.00	-0.40	1 / 1	23.10	22.70	0.186	30.00	-7.30
	QPSK	3475.02	-0.40	1 / 64	23.22	22.82	0.191	30.00	-7.18
		3500.01	-0.40	1 / 1	23.24	<b>22.84</b>	0.192	30.00	-7.16
		3525.00	-0.40	1 / 1	23.17	22.77	0.189	30.00	-7.23
16-QAM	3475.02	-0.40	1 / 64	22.42	22.02	0.159	30.00	-7.98	
64-QAM	3500.01	-0.40	1 / 1	20.89	20.49	0.112	30.00	-9.51	
256-QAM	3500.01	-0.40	1 / 1	18.67	18.27	0.067	30.00	-11.73	
60 MHz	π/2 BPSK	3480.00	-0.40	1 / 81	23.27	22.87	0.194	30.00	-7.13
		3500.01	-0.40	1 / 81	23.22	22.82	0.192	30.00	-7.18
		3519.99	-0.40	1 / 1	23.22	22.82	0.192	30.00	-7.18
	QPSK	3480.00	-0.40	1 / 81	23.18	22.78	0.190	30.00	-7.22
		3500.01	-0.40	1 / 81	23.28	22.88	0.194	30.00	-7.12
		3519.99	-0.40	1 / 81	23.33	<b>22.93</b>	0.196	30.00	-7.07
16-QAM	3500.01	-0.40	1 / 1	22.66	22.26	0.168	30.00	-7.74	
64-QAM	3519.99	-0.40	1 / 81	20.85	20.45	0.111	30.00	-9.55	
256-QAM	3519.99	-0.40	1 / 81	18.75	18.35	0.068	30.00	-11.65	
70 MHz	π/2 BPSK	3485.01	-0.40	1 / 1	23.14	22.74	0.188	30.00	-7.26
		3500.01	-0.40	1 / 90	23.17	22.77	0.189	30.00	-7.23
		3514.98	-0.40	1 / 1	23.20	22.80	0.191	30.00	-7.20
	QPSK	3485.01	-0.40	1 / 1	23.24	22.84	0.193	30.00	-7.16
		3500.01	-0.40	1 / 1	23.34	<b>22.94</b>	0.197	30.00	-7.06
		3514.98	-0.40	1 / 1	23.33	22.93	0.196	30.00	-7.07
16-QAM	3514.98	-0.40	1 / 1	22.60	22.20	0.166	30.00	-7.80	
64-QAM	3500.01	-0.40	1 / 90	20.90	20.50	0.112	30.00	-9.50	
256-QAM	3485.01	-0.40	1 / 90	18.86	18.46	0.070	30.00	-11.54	
80 MHz	π/2 BPSK	3490.02	-0.40	1 / 1	23.20	22.80	0.191	30.00	-7.20
		3500.01	-0.40	1 / 215	23.42	<b>23.02</b>	0.200	30.00	-6.98
		3510.00	-0.40	1 / 108	23.21	22.81	0.191	30.00	-7.19
	QPSK	3490.02	-0.40	1 / 108	23.26	22.86	0.193	30.00	-7.14
		3500.01	-0.40	1 / 1	23.24	22.84	0.192	30.00	-7.16
		3510.00	-0.40	1 / 1	23.14	22.74	0.188	30.00	-7.26
16-QAM	3500.01	-0.40	1 / 108	22.42	22.02	0.159	30.00	-7.98	
64-QAM	3490.02	-0.40	1 / 108	20.84	20.44	0.111	30.00	-9.56	
256-QAM	3510.00	-0.40	1 / 215	18.77	18.37	0.069	30.00	-11.63	
90 MHz	π/2 BPSK	3495.00	-0.40	1 / 243	23.25	22.85	0.193	30.00	-7.15
		3500.01	-0.40	1 / 243	23.22	22.82	0.191	30.00	-7.18
		3504.99	-0.40	1 / 243	23.12	22.72	0.187	30.00	-7.28
	QPSK	3495.00	-0.40	1 / 120	23.40	<b>23.00</b>	0.199	30.00	-7.00
		3500.01	-0.40	1 / 120	23.35	22.95	0.197	30.00	-7.05
		3504.99	-0.40	1 / 1	23.39	22.99	0.199	30.00	-7.01
16-QAM	3504.99	-0.40	1 / 243	22.54	22.14	0.164	30.00	-7.86	
64-QAM	3500.01	-0.40	1 / 1	21.12	20.72	0.118	30.00	-9.28	
256-QAM	3504.99	-0.40	1 / 243	18.75	18.35	0.068	30.00	-11.65	
100 MHz	π/2 BPSK	3500.01	-0.40	1 / 271	23.26	22.86	0.193	30.00	-7.14
	QPSK	3500.01	-0.40	1 / 135	23.40	<b>23.00</b>	0.199	30.00	-7.00
	16-QAM	3500.01	-0.40	1 / 271	22.64	22.24	0.168	30.00	-7.76
	64-QAM	3500.01	-0.40	1 / 1	21.23	20.83	0.121	30.00	-9.17
256-QAM	3500.01	-0.40	1 / 271	18.85	18.45	0.070	30.00	-11.55	

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 238 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	0.60	1 / 12	23.22	<b>23.82</b>	0.241	30.00	-6.18	
		3840.00	0.60	1 / 12	23.20	23.80	0.240	30.00	-6.20	
		3975.00	0.60	1 / 1	23.18	23.78	0.239	30.00	-6.22	
	QPSK	3705.00	0.60	1 / 12	23.20	23.80	0.240	30.00	-6.20	
		3840.00	0.60	1 / 1	23.25	<b>23.85</b>	0.243	30.00	-6.15	
		3975.00	0.60	1 / 12	23.20	23.80	0.240	30.00	-6.20	
	16-QAM	3705.00	0.60	1 / 22	22.13	22.73	0.187	30.00	-7.27	
		64-QAM	3975.00	0.60	1 / 12	20.73	21.33	0.136	30.00	-8.67
		256-QAM	3975.00	0.60	1 / 12	18.60	19.20	0.083	30.00	-10.80
	15 MHz	11/2 BPSK	3707.51	0.60	1 / 36	23.45	<b>24.05</b>	0.254	30.00	-5.95
3840.00			0.60	1 / 36	23.37	23.97	0.249	30.00	-6.03	
3972.50			0.60	1 / 36	23.18	23.78	0.239	30.00	-6.22	
QPSK		3707.51	0.60	1 / 1	23.04	23.64	0.231	30.00	-6.36	
		3840.00	0.60	1 / 1	23.17	23.77	0.238	30.00	-6.23	
		3972.50	0.60	1 / 1	23.29	23.89	0.245	30.00	-6.11	
16-QAM		3972.50	0.60	1 / 36	22.28	22.88	0.194	30.00	-7.12	
		64-QAM	3972.50	0.60	1 / 18	20.82	21.42	0.139	30.00	-8.58
		256-QAM	3972.50	0.60	1 / 36	18.77	19.37	0.087	30.00	-10.63
20 MHz		11/2 BPSK	3710.01	0.60	1 / 49	23.04	23.64	0.231	30.00	-6.36
	3840.00		0.60	1 / 49	23.19	23.79	0.239	30.00	-6.21	
	3969.99		0.60	1 / 1	23.26	23.86	0.243	30.00	-6.14	
	QPSK	3710.01	0.60	1 / 1	23.14	23.74	0.236	30.00	-6.26	
		3840.00	0.60	1 / 1	23.06	23.66	0.232	30.00	-6.34	
		3969.99	0.60	1 / 49	23.29	<b>23.89</b>	0.245	30.00	-6.11	
	16-QAM	3969.99	0.60	1 / 49	22.46	23.06	0.202	30.00	-6.94	
		64-QAM	3969.99	0.60	1 / 49	21.06	21.66	0.147	30.00	-8.34
		256-QAM	3969.99	0.60	1 / 1	18.74	19.34	0.086	30.00	-10.66
	30 MHz	11/2 BPSK	3715.02	0.60	1 / 76	23.19	23.79	0.239	30.00	-6.21
3840.00			0.60	1 / 76	23.09	23.69	0.234	30.00	-6.31	
3964.98			0.60	1 / 1	23.43	24.03	0.253	30.00	-5.97	
QPSK		3715.02	0.60	1 / 76	23.22	23.82	0.241	30.00	-6.18	
		3840.00	0.60	1 / 1	23.11	23.71	0.235	30.00	-6.29	
		3964.98	0.60	1 / 1	23.50	<b>24.10</b>	0.257	30.00	-5.90	
16-QAM		3964.98	0.60	1 / 36	22.78	23.38	0.218	30.00	-6.62	
		64-QAM	3964.98	0.60	1 / 1	21.07	21.67	0.147	30.00	-8.33
		256-QAM	3964.98	0.60	1 / 1	18.79	19.39	0.087	30.00	-10.61
40 MHz		11/2 BPSK	3720.00	0.60	1 / 1	23.31	23.91	0.246	30.00	-6.09
	3840.00		0.60	1 / 1	23.19	23.79	0.239	30.00	-6.21	
	3960.00		0.60	1 / 1	23.44	24.04	0.253	30.00	-5.96	
	QPSK	3720.00	0.60	1 / 1	23.25	23.85	0.243	30.00	-6.15	
		3840.00	0.60	1 / 1	23.15	23.75	0.237	30.00	-6.25	
		3960.00	0.60	1 / 1	23.48	<b>24.08</b>	0.256	30.00	-5.92	
	16-QAM	3960.00	0.60	1 / 1	22.75	23.35	0.216	30.00	-6.65	
		64-QAM	3960.00	0.60	1 / 1	21.04	21.64	0.146	30.00	-8.36
		256-QAM	3960.00	0.60	1 / 1	19.00	19.60	0.091	30.00	-10.40
	50 MHz	11/2 BPSK	3725.01	0.60	1 / 1	23.29	<b>23.89</b>	0.245	30.00	-6.11
3840.00			0.60	1 / 1	23.21	23.81	0.240	30.00	-6.19	
3954.99			0.60	1 / 1	23.10	23.70	0.235	30.00	-6.30	
QPSK		3725.01	0.60	1 / 1	23.11	23.71	0.235	30.00	-6.29	
		3840.00	0.60	1 / 131	23.23	23.83	0.242	30.00	-6.17	
		3954.99	0.60	1 / 64	23.19	23.79	0.239	30.00	-6.21	
16-QAM		3840.00	0.60	1 / 131	22.24	22.84	0.192	30.00	-7.16	
		64-QAM	3954.99	0.60	1 / 1	20.54	21.14	0.130	30.00	-8.86
		256-QAM	3954.99	0.60	1 / 1	18.62	19.22	0.084	30.00	-10.78
60 MHz		11/2 BPSK	3730.02	0.60	1 / 81	23.40	24.00	0.251	30.00	-6.00
	3840.00		0.60	1 / 81	23.31	23.91	0.246	30.00	-6.09	
	3949.98		0.60	1 / 1	23.41	<b>24.01</b>	0.252	30.00	-5.99	
	QPSK	3730.02	0.60	1 / 81	23.31	23.91	0.246	30.00	-6.09	
		3840.00	0.60	1 / 81	23.28	23.88	0.244	30.00	-6.12	
		3949.98	0.60	1 / 1	23.26	23.86	0.243	30.00	-6.14	
	16-QAM	3730.02	0.60	1 / 1	21.96	22.56	0.180	30.00	-7.44	
		64-QAM	3840.00	0.60	1 / 81	20.46	21.06	0.128	30.00	-8.94
		256-QAM	3949.98	0.60	1 / 81	18.39	18.99	0.079	30.00	-11.01
	70 MHz	11/2 BPSK	3735.00	0.60	1 / 90	23.25	23.85	0.243	30.00	-6.15
3840.00			0.60	1 / 1	23.19	23.79	0.239	30.00	-6.21	
3945.00			0.60	1 / 1	23.18	23.78	0.239	30.00	-6.22	
QPSK		3735.00	0.60	1 / 90	23.32	23.92	0.247	30.00	-6.08	
		3840.00	0.60	1 / 90	23.26	23.86	0.243	30.00	-6.14	
		3945.00	0.60	1 / 1	23.33	<b>23.93</b>	0.247	30.00	-6.07	
16-QAM		3735.00	0.60	1 / 90	22.08	22.68	0.185	30.00	-7.32	
		64-QAM	3945.00	0.60	1 / 1	20.46	21.06	0.128	30.00	-8.94
		256-QAM	3945.00	0.60	1 / 1	18.36	18.96	0.079	30.00	-11.04
80 MHz		11/2 BPSK	3740.01	0.60	1 / 108	23.39	23.99	0.251	30.00	-6.01
	3840.00		0.60	1 / 1	23.27	23.87	0.244	30.00	-6.13	
	3939.99		0.60	1 / 1	23.41	<b>24.01</b>	0.252	30.00	-5.99	
	QPSK	3740.01	0.60	1 / 215	23.31	23.91	0.246	30.00	-6.09	
		3840.00	0.60	1 / 1	23.19	23.79	0.239	30.00	-6.21	
		3939.99	0.60	1 / 1	23.27	23.87	0.244	30.00	-6.13	
	16-QAM	3939.99	0.60	1 / 1	22.15	22.75	0.188	30.00	-7.25	
		64-QAM	3939.99	0.60	1 / 108	20.48	21.08	0.128	30.00	-8.92
		256-QAM	3939.99	0.60	1 / 108	18.40	19.00	0.079	30.00	-11.00
	90 MHz	11/2 BPSK	3745.02	0.60	1 / 120	23.41	<b>24.01</b>	0.252	30.00	-5.99
3840.00			0.60	1 / 243	23.27	23.87	0.244	30.00	-6.13	
3934.98			0.60	1 / 120	23.16	23.76	0.238	30.00	-6.24	
QPSK		3745.02	0.60	1 / 120	23.15	23.75	0.237	30.00	-6.25	
		3840.00	0.60	1 / 1	23.26	23.86	0.243	30.00	-6.14	
		3934.98	0.60	1 / 1	23.26	23.86	0.243	30.00	-6.14	
16-QAM		3934.98	0.60	1 / 243	22.53	23.13	0.206	30.00	-6.87	
		64-QAM	3934.98	0.60	1 / 120	21.00	21.60	0.145	30.00	-8.40
		256-QAM	3840.00	0.60	1 / 243	18.69	19.29	0.085	30.00	-10.71
100 MHz		11/2 BPSK	3750.00	0.60	1 / 135	23.13	23.73	0.236	30.00	-6.27
	3840.00		0.60	1 / 135	23.18	23.78	0.239	30.00	-6.22	
	3930.00		0.60	1 / 271	23.30	23.90	0.246	30.00	-6.10	
	QPSK	3750.00	0.60	1 / 135	23.19	23.79	0.239	30.00	-6.21	
		3840.00	0.60	1 / 271	23.29	23.89	0.245	30.00	-6.11	
		3930.00	0.60	1 / 135	23.34	<b>23.94</b>	0.247	30.00	-6.06	
	16-QAM	3750.00	0.60	1 / 271	22.46	23.06	0.202	30.00	-6.94	
		64-QAM	3930.00	0.60	1 / 1	20.80	21.40	0.138	30.00	-8.60
		256-QAM	3840.00	0.60	1 / 271	18.76	19.36	0.086	30.00	-10.64

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 239 of 265

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
10 MHz	π/2 BPSK	3705.00	0.60	1 / 12	23.02	<b>23.62</b>	0.230	30.00	-6.38	
		3840.00	0.60	1 / 12	23.08	23.68	0.233	30.00	-6.32	
		3975.00	0.60	1 / 22	23.15	23.75	0.237	30.00	-6.25	
		3705.00	0.60	1 / 1	23.05	23.65	0.232	30.00	-6.35	
	QPSK	3840.00	0.60	1 / 12	23.03	23.63	0.231	30.00	-6.37	
		3975.00	0.60	1 / 22	23.23	<b>23.83</b>	0.241	30.00	-6.17	
		16-QAM	3975.00	0.60	1 / 12	22.31	22.91	0.196	30.00	-7.09
		64-QAM	3975.00	0.60	1 / 12	20.83	21.43	0.139	30.00	-8.57
256-QAM	3975.00	0.60	1 / 1	18.78	19.38	0.087	30.00	-10.62		
15 MHz	π/2 BPSK	3707.51	0.60	1 / 1	23.14	23.74	0.237	30.00	-6.26	
		3840.00	0.60	1 / 1	23.13	23.73	0.236	30.00	-6.27	
		3972.50	0.60	1 / 1	23.33	23.93	0.247	30.00	-6.07	
	QPSK	3707.51	0.60	1 / 36	23.24	23.84	0.242	30.00	-6.16	
		3840.00	0.60	1 / 1	23.17	23.77	0.238	30.00	-6.23	
		3972.50	0.60	1 / 18	23.37	<b>23.97</b>	0.250	30.00	-6.03	
	16-QAM	3840.00	0.60	1 / 18	22.45	23.05	0.202	30.00	-6.95	
	64-QAM	3972.50	0.60	1 / 18	20.97	21.57	0.144	30.00	-8.43	
256-QAM	3972.50	0.60	1 / 1	18.77	19.37	0.087	30.00	-10.63		
20 MHz	π/2 BPSK	3710.01	0.60	1 / 49	23.08	23.68	0.233	30.00	-6.32	
		3840.00	0.60	1 / 25	23.12	23.72	0.236	30.00	-6.28	
		3969.99	0.60	1 / 25	23.28	23.88	0.244	30.00	-6.12	
	QPSK	3710.01	0.60	1 / 49	23.11	23.71	0.235	30.00	-6.29	
		3840.00	0.60	1 / 25	23.14	23.74	0.237	30.00	-6.26	
		3969.99	0.60	1 / 1	23.38	<b>23.98</b>	0.250	30.00	-6.02	
	16-QAM	3969.99	0.60	1 / 25	22.33	22.93	0.196	30.00	-7.07	
	64-QAM	3969.99	0.60	1 / 49	21.14	21.74	0.149	30.00	-8.26	
256-QAM	3969.99	0.60	1 / 25	18.80	19.40	0.087	30.00	-10.60		
30 MHz	π/2 BPSK	3715.02	0.60	1 / 76	23.20	23.80	0.240	30.00	-6.20	
		3840.00	0.60	1 / 1	23.08	23.68	0.233	30.00	-6.32	
		3964.98	0.60	1 / 1	23.42	24.02	0.252	30.00	-5.98	
	QPSK	3715.02	0.60	1 / 76	23.20	23.80	0.240	30.00	-6.20	
		3840.00	0.60	1 / 76	23.18	23.78	0.239	30.00	-6.22	
		3964.98	0.60	1 / 1	23.50	<b>24.10</b>	0.257	30.00	-5.90	
	16-QAM	3964.98	0.60	1 / 76	22.68	23.28	0.213	30.00	-6.72	
	64-QAM	3964.98	0.60	1 / 36	20.91	21.51	0.142	30.00	-8.49	
256-QAM	3964.98	0.60	1 / 1	18.84	19.44	0.088	30.00	-10.56		
40 MHz	π/2 BPSK	3720.00	0.60	1 / 1	23.27	23.87	0.244	30.00	-6.13	
		3840.00	0.60	1 / 104	23.24	23.84	0.242	30.00	-6.16	
		3960.00	0.60	1 / 1	23.42	24.02	0.252	30.00	-5.98	
	QPSK	3720.00	0.60	1 / 1	23.39	23.99	0.250	30.00	-6.01	
		3840.00	0.60	1 / 104	23.24	23.84	0.242	30.00	-6.16	
		3960.00	0.60	1 / 1	23.42	<b>24.02</b>	0.252	30.00	-5.98	
	16-QAM	3720.00	0.60	1 / 1	22.63	23.23	0.210	30.00	-6.77	
	64-QAM	3840.00	0.60	1 / 1	20.94	21.54	0.143	30.00	-8.46	
256-QAM	3720.00	0.60	1 / 1	18.98	19.58	0.091	30.00	-10.42		
50 MHz	π/2 BPSK	3725.01	0.60	1 / 64	23.35	23.95	0.248	30.00	-6.05	
		3840.00	0.60	1 / 131	23.33	23.93	0.247	30.00	-6.07	
		3954.99	0.60	1 / 64	23.14	23.74	0.236	30.00	-6.26	
	QPSK	3725.01	0.60	1 / 64	23.31	23.91	0.246	30.00	-6.09	
		3840.00	0.60	1 / 131	23.37	<b>23.97</b>	0.249	30.00	-6.03	
		3954.99	0.60	1 / 64	23.11	23.71	0.235	30.00	-6.29	
	16-QAM	3954.99	0.60	1 / 1	22.21	22.81	0.191	30.00	-7.19	
	64-QAM	3954.99	0.60	1 / 64	20.58	21.18	0.131	30.00	-8.82	
256-QAM	3954.99	0.60	1 / 1	18.51	19.11	0.081	30.00	-10.89		
60 MHz	π/2 BPSK	3730.02	0.60	1 / 1	23.09	23.69	0.234	30.00	-6.31	
		3840.00	0.60	1 / 160	23.15	23.75	0.237	30.00	-6.25	
		3949.98	0.60	1 / 1	23.21	23.81	0.240	30.00	-6.19	
	QPSK	3730.02	0.60	1 / 81	23.15	23.75	0.237	30.00	-6.25	
		3840.00	0.60	1 / 1	23.16	23.76	0.238	30.00	-6.24	
		3949.98	0.60	1 / 81	23.28	<b>23.88</b>	0.244	30.00	-6.12	
	16-QAM	3949.98	0.60	1 / 81	22.61	23.21	0.209	30.00	-6.79	
	64-QAM	3949.98	0.60	1 / 81	20.98	21.58	0.144	30.00	-8.42	
256-QAM	3949.98	0.60	1 / 160	18.70	19.30	0.085	30.00	-10.70		
70 MHz	π/2 BPSK	3735.00	0.60	1 / 90	23.21	23.81	0.241	30.00	-6.19	
		3840.00	0.60	1 / 90	23.01	23.61	0.230	30.00	-6.39	
		3945.00	0.60	1 / 90	23.28	23.88	0.244	30.00	-6.12	
	QPSK	3735.00	0.60	1 / 90	23.17	23.77	0.238	30.00	-6.23	
		3840.00	0.60	1 / 1	23.05	23.65	0.232	30.00	-6.35	
		3945.00	0.60	1 / 1	23.30	<b>23.90</b>	0.245	30.00	-6.10	
	16-QAM	3735.00	0.60	1 / 1	22.38	22.98	0.199	30.00	-7.02	
	64-QAM	3945.00	0.60	1 / 187	20.81	21.41	0.138	30.00	-8.59	
256-QAM	3735.00	0.60	1 / 1	18.87	19.47	0.088	30.00	-10.53		
80 MHz	π/2 BPSK	3740.01	0.60	1 / 108	23.16	23.76	0.237	30.00	-6.24	
		3840.00	0.60	1 / 1	23.06	23.66	0.232	30.00	-6.34	
		3939.99	0.60	1 / 215	23.19	23.79	0.239	30.00	-6.21	
	QPSK	3740.01	0.60	1 / 108	23.27	<b>23.87</b>	0.244	30.00	-6.13	
		3840.00	0.60	1 / 1	23.07	23.67	0.233	30.00	-6.33	
		3939.99	0.60	1 / 108	23.20	23.80	0.240	30.00	-6.20	
	16-QAM	3740.01	0.60	1 / 108	22.63	23.23	0.211	30.00	-6.77	
	64-QAM	3840.00	0.60	1 / 1	21.05	21.65	0.146	30.00	-8.35	
256-QAM	3939.99	0.60	1 / 108	18.92	19.52	0.090	30.00	-10.48		
90 MHz	π/2 BPSK	3745.02	0.60	1 / 120	23.13	23.73	0.236	30.00	-6.27	
		3840.00	0.60	1 / 1	23.08	23.68	0.233	30.00	-6.32	
		3934.98	0.60	1 / 120	23.21	23.81	0.240	30.00	-6.19	
	QPSK	3745.02	0.60	1 / 120	23.15	23.75	0.237	30.00	-6.25	
		3840.00	0.60	1 / 1	23.05	23.65	0.232	30.00	-6.35	
		3934.98	0.60	1 / 243	23.30	<b>23.90</b>	0.245	30.00	-6.10	
	16-QAM	3934.98	0.60	1 / 1	22.25	22.85	0.193	30.00	-7.15	
	64-QAM	3745.02	0.60	1 / 120	20.87	21.47	0.140	30.00	-8.53	
256-QAM	3745.02	0.60	1 / 1	18.78	19.38	0.087	30.00	-10.62		
100 MHz	π/2 BPSK	3750.00	0.60	1 / 135	23.11	23.71	0.235	30.00	-6.29	
		3840.00	0.60	1 / 271	23.11	23.71	0.235	30.00	-6.29	
		3930.00	0.60	1 / 135	23.16	23.76	0.238	30.00	-6.24	
	QPSK	3750.00	0.60	1 / 135	23.41	<b>24.01</b>	0.252	30.00	-5.99	
		3840.00	0.60	1 / 1	23.24	23.84	0.242	30.00	-6.16	
		3930.00	0.60	1 / 135	23.22	23.82	0.241	30.00	-6.18	
	16-QAM	3930.00	0.60	1 / 271	22.56	23.16	0.207	30.00	-6.84	
	64-QAM	3840.00	0.60	1 / 1	21.08	21.68	0.147	30.00	-8.32	
256-QAM	3930.00	0.60	1 / 135	18.62	19.22	0.084	30.00	-10.78		

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	m/2 BPSK	3455.01	-2.10	1 / 22	26.70	<b>24.60</b>	0.289	30.00	-5.40
		3500.01	-2.10	1 / 12	26.64	24.54	0.284	30.00	-5.46
		3544.98	-2.10	1 / 22	26.57	24.47	0.280	30.00	-5.53
	QPSK	3455.01	-2.10	1 / 22	26.67	<b>24.57</b>	0.287	30.00	-5.43
		3500.01	-2.10	1 / 12	26.58	24.48	0.280	30.00	-5.52
		3544.98	-2.10	1 / 22	26.56	24.46	0.279	30.00	-5.54
		16-QAM	3544.98	-2.10	1 / 12	25.42	23.32	0.215	30.00
64-QAM	3500.01	-2.10	1 / 22	24.70	22.60	0.182	30.00	-7.40	
256-QAM	3500.01	-2.10	1 / 22	22.70	20.60	0.115	30.00	-9.40	
15 MHz	m/2 BPSK	3457.50	-2.10	1 / 1	26.93	<b>24.83</b>	0.304	30.00	-5.17
		3500.01	-2.10	1 / 36	26.89	24.79	0.301	30.00	-5.21
		3542.49	-2.10	1 / 1	26.75	24.65	0.292	30.00	-5.35
	QPSK	3457.50	-2.10	1 / 1	26.86	24.76	0.300	30.00	-5.24
		3500.01	-2.10	1 / 36	26.81	24.71	0.296	30.00	-5.29
		3542.49	-2.10	1 / 1	26.78	24.68	0.294	30.00	-5.32
		16-QAM	3457.50	-2.10	1 / 1	25.45	23.35	0.216	30.00
64-QAM	3500.01	-2.10	1 / 18	24.81	22.71	0.187	30.00	-7.29	
256-QAM	3457.50	-2.10	1 / 18	22.87	20.77	0.119	30.00	-9.23	
20 MHz	m/2 BPSK	3460.02	-2.10	1 / 1	26.93	<b>24.83</b>	0.304	30.00	-5.17
		3500.01	-2.10	1 / 1	26.88	24.78	0.301	30.00	-5.22
		3540.00	-2.10	1 / 1	26.78	24.68	0.293	30.00	-5.32
	QPSK	3460.02	-2.10	1 / 1	26.88	24.78	0.300	30.00	-5.22
		3500.01	-2.10	1 / 1	26.82	24.72	0.297	30.00	-5.28
		3540.00	-2.10	1 / 1	26.70	24.60	0.288	30.00	-5.40
		16-QAM	3500.01	-2.10	1 / 49	25.74	23.64	0.231	30.00
64-QAM	3460.02	-2.10	1 / 1	25.09	22.99	0.199	30.00	-7.01	
256-QAM	3460.02	-2.10	1 / 49	22.94	20.84	0.121	30.00	-9.16	
30 MHz	m/2 BPSK	3465.00	-2.10	1 / 1	26.94	<b>24.84</b>	0.305	30.00	-5.16
		3500.01	-2.10	1 / 1	26.91	24.81	0.303	30.00	-5.19
		3534.99	-2.10	1 / 1	26.91	24.81	0.303	30.00	-5.19
	QPSK	3465.00	-2.10	1 / 1	26.94	24.84	0.305	30.00	-5.16
		3500.01	-2.10	1 / 1	26.91	24.81	0.302	30.00	-5.19
		3534.99	-2.10	1 / 1	26.79	24.69	0.295	30.00	-5.31
		16-QAM	3500.01	-2.10	1 / 1	25.69	23.59	0.229	30.00
64-QAM	3465.00	-2.10	1 / 1	25.04	22.94	0.197	30.00	-7.06	
256-QAM	3500.01	-2.10	1 / 1	23.09	20.99	0.126	30.00	-9.01	
40 MHz	m/2 BPSK	3470.01	-2.10	1 / 104	26.97	24.87	0.307	30.00	-5.13
		3500.01	-2.10	1 / 1	26.99	24.89	0.309	30.00	-5.11
		3529.98	-2.10	1 / 104	26.92	24.82	0.304	30.00	-5.18
	QPSK	3470.01	-2.10	1 / 104	27.00	<b>24.90</b>	0.309	30.00	-5.10
		3500.01	-2.10	1 / 1	26.99	24.89	0.308	30.00	-5.11
		3529.98	-2.10	1 / 1	26.90	24.80	0.302	30.00	-5.20
		16-QAM	3470.01	-2.10	1 / 1	25.67	23.57	0.228	30.00
64-QAM	3470.01	-2.10	1 / 104	24.97	22.87	0.194	30.00	-7.13	
256-QAM	3500.01	-2.10	1 / 1	23.00	20.90	0.123	30.00	-9.10	
50 MHz	m/2 BPSK	3475.02	-2.10	1 / 1	26.71	24.61	0.289	30.00	-5.39
		3500.01	-2.10	1 / 1	26.69	24.59	0.288	30.00	-5.41
		3525.00	-2.10	1 / 1	26.74	24.64	0.291	30.00	-5.36
	QPSK	3475.02	-2.10	1 / 1	26.73	24.63	0.290	30.00	-5.37
		3500.01	-2.10	1 / 1	26.69	24.59	0.288	30.00	-5.41
		3525.00	-2.10	1 / 1	26.75	<b>24.65</b>	0.292	30.00	-5.35
		16-QAM	3475.02	-2.10	1 / 64	25.93	23.83	0.242	30.00
64-QAM	3475.02	-2.10	1 / 1	24.92	22.82	0.192	30.00	-7.18	
256-QAM	3525.00	-2.10	1 / 1	22.76	20.66	0.116	30.00	-9.34	
60 MHz	m/2 BPSK	3480.00	-2.10	1 / 81	26.84	24.74	0.298	30.00	-5.26
		3500.01	-2.10	1 / 81	26.77	24.67	0.293	30.00	-5.33
		3519.99	-2.10	1 / 1	26.71	24.61	0.289	30.00	-5.39
	QPSK	3480.00	-2.10	1 / 1	26.85	<b>24.75</b>	0.299	30.00	-5.25
		3500.01	-2.10	1 / 81	26.77	24.67	0.293	30.00	-5.33
		3519.99	-2.10	1 / 1	26.74	24.64	0.291	30.00	-5.36
		16-QAM	3500.01	-2.10	1 / 81	26.11	24.01	0.252	30.00
64-QAM	3500.01	-2.10	1 / 81	24.98	22.88	0.194	30.00	-7.12	
256-QAM	3500.01	-2.10	1 / 1	22.94	20.84	0.121	30.00	-9.16	
70 MHz	m/2 BPSK	3485.01	-2.10	1 / 1	26.69	24.59	0.288	30.00	-5.41
		3500.01	-2.10	1 / 1	26.70	24.60	0.288	30.00	-5.40
		3514.98	-2.10	1 / 1	26.96	<b>24.86</b>	0.306	30.00	-5.14
	QPSK	3485.01	-2.10	1 / 1	26.77	24.67	0.293	30.00	-5.33
		3500.01	-2.10	1 / 187	26.63	24.53	0.284	30.00	-5.47
		3514.98	-2.10	1 / 1	26.66	24.56	0.286	30.00	-5.44
		16-QAM	3514.98	-2.10	1 / 90	26.10	24.00	0.251	30.00
64-QAM	3485.01	-2.10	1 / 1	24.87	22.77	0.189	30.00	-7.23	
256-QAM	3500.01	-2.10	1 / 1	22.85	20.75	0.119	30.00	-9.25	
80 MHz	m/2 BPSK	3490.02	-2.10	1 / 108	26.77	24.67	0.293	30.00	-5.33
		3500.01	-2.10	1 / 108	26.58	24.48	0.281	30.00	-5.52
		3510.00	-2.10	1 / 1	26.73	24.63	0.290	30.00	-5.37
	QPSK	3490.02	-2.10	1 / 108	26.81	<b>24.71</b>	0.296	30.00	-5.29
		3500.01	-2.10	1 / 108	26.62	24.52	0.283	30.00	-5.48
		3510.00	-2.10	1 / 1	26.69	24.59	0.287	30.00	-5.41
		16-QAM	3510.00	-2.10	1 / 108	26.28	24.18	0.262	30.00
64-QAM	3490.02	-2.10	1 / 1	24.79	22.69	0.186	30.00	-7.31	
256-QAM	3500.01	-2.10	1 / 108	22.71	20.61	0.115	30.00	-9.39	
90 MHz	m/2 BPSK	3495.00	-2.10	1 / 120	26.73	24.63	0.290	30.00	-5.37
		3500.01	-2.10	1 / 1	26.80	24.70	0.295	30.00	-5.30
		3504.99	-2.10	1 / 1	26.79	24.69	0.294	30.00	-5.31
	QPSK	3495.00	-2.10	1 / 120	26.65	24.55	0.285	30.00	-5.45
		3500.01	-2.10	1 / 243	26.64	24.54	0.284	30.00	-5.46
		3504.99	-2.10	1 / 1	26.86	<b>24.76</b>	0.300	30.00	-5.24
		16-QAM	3504.99	-2.10	1 / 1	26.17	24.07	0.255	30.00
64-QAM	3500.01	-2.10	1 / 1	24.80	22.70	0.186	30.00	-7.30	
256-QAM	3504.99	-2.10	1 / 120	22.86	20.76	0.119	30.00	-9.24	
100 MHz	m/2 BPSK	3500.01	-2.10	1 / 135	26.74	<b>24.64</b>	0.291	30.00	-5.36
	QPSK	3500.01	-2.10	1 / 1	26.69	24.59	0.288	30.00	-5.41
	16-QAM	3500.01	-2.10	1 / 135	26.00	23.90	0.245	30.00	-6.10
	64-QAM	3500.01	-2.10	1 / 1	24.89	22.79	0.190	30.00	-7.21
	256-QAM	3500.01	-2.10	1 / 135	22.95	20.85	0.122	30.00	-9.15

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	-2.10	1 / 12	25.37	<b>23.27</b>	0.213	30.00	-6.73	
		3500.01	-2.10	1 / 12	25.36	23.26	0.212	30.00	-6.74	
		3544.98	-2.10	1 / 1	25.34	23.24	0.211	30.00	-6.76	
	QPSK	3455.01	-2.10	1 / 12	25.37	23.27	0.212	30.00	-6.73	
		3500.01	-2.10	1 / 1	25.41	<b>23.31</b>	0.214	30.00	-6.69	
		3544.98	-2.10	1 / 12	25.27	23.17	0.208	30.00	-6.83	
	16-QAM	3455.01	-2.10	1 / 22	24.61	22.51	0.178	30.00	-7.49	
		3500.01	-2.10	1 / 22	23.08	20.98	0.125	30.00	-9.02	
		3500.01	-2.10	1 / 1	20.90	18.80	0.076	30.00	-11.20	
15 MHz	π/2 BPSK	3457.50	-2.10	1 / 36	25.62	<b>23.52</b>	0.225	30.00	-6.48	
		3500.01	-2.10	1 / 36	25.62	23.52	0.225	30.00	-6.48	
		3542.49	-2.10	1 / 1	25.42	23.32	0.215	30.00	-6.68	
	QPSK	3457.50	-2.10	1 / 36	25.62	23.52	0.225	30.00	-6.48	
		3500.01	-2.10	1 / 1	25.57	23.47	0.222	30.00	-6.53	
		3542.49	-2.10	1 / 36	25.38	23.28	0.213	30.00	-6.72	
	16-QAM	3457.50	-2.10	1 / 36	24.70	22.60	0.182	30.00	-7.40	
		3457.50	-2.10	1 / 36	23.27	21.17	0.131	30.00	-8.83	
		3500.01	-2.10	1 / 36	21.02	18.92	0.078	30.00	-11.08	
20 MHz	π/2 BPSK	3460.02	-2.10	1 / 49	25.55	23.45	0.222	30.00	-6.55	
		3500.01	-2.10	1 / 49	25.62	<b>23.52</b>	0.225	30.00	-6.48	
		3540.00	-2.10	1 / 1	25.45	23.35	0.216	30.00	-6.65	
	QPSK	3460.02	-2.10	1 / 1	25.58	23.48	0.223	30.00	-6.52	
		3500.01	-2.10	1 / 1	25.53	23.43	0.220	30.00	-6.57	
		3540.00	-2.10	1 / 1	25.38	23.28	0.213	30.00	-6.72	
	16-QAM	3460.02	-2.10	1 / 25	24.66	22.56	0.180	30.00	-7.44	
		3500.01	-2.10	1 / 1	23.22	21.12	0.129	30.00	-8.88	
		3460.02	-2.10	1 / 49	21.06	18.96	0.079	30.00	-11.04	
30 MHz	π/2 BPSK	3465.00	-2.10	1 / 1	25.64	<b>23.54</b>	0.226	30.00	-6.46	
		3500.01	-2.10	1 / 1	25.59	23.49	0.223	30.00	-6.51	
		3534.99	-2.10	1 / 1	25.57	23.47	0.222	30.00	-6.53	
	QPSK	3465.00	-2.10	1 / 1	25.61	23.51	0.224	30.00	-6.49	
		3500.01	-2.10	1 / 1	25.59	23.49	0.223	30.00	-6.51	
		3534.99	-2.10	1 / 1	25.49	23.39	0.218	30.00	-6.61	
	16-QAM	3465.00	-2.10	1 / 76	24.82	22.72	0.187	30.00	-7.28	
		3465.00	-2.10	1 / 76	23.31	21.21	0.132	30.00	-8.79	
		3500.01	-2.10	1 / 1	21.29	19.19	0.083	30.00	-10.81	
40 MHz	π/2 BPSK	3470.01	-2.10	1 / 104	25.70	<b>23.60</b>	0.229	30.00	-6.40	
		3500.01	-2.10	1 / 1	25.60	23.50	0.224	30.00	-6.50	
		3529.98	-2.10	1 / 1	25.62	23.52	0.225	30.00	-6.48	
	QPSK	3470.01	-2.10	1 / 1	25.69	23.59	0.229	30.00	-6.41	
		3500.01	-2.10	1 / 1	25.57	23.47	0.222	30.00	-6.53	
		3529.98	-2.10	1 / 1	25.57	23.47	0.223	30.00	-6.53	
	16-QAM	3529.98	-2.10	1 / 1	24.87	22.77	0.189	30.00	-7.23	
		64-QAM	3529.98	-2.10	1 / 1	23.26	21.16	0.131	30.00	-8.84
		256-QAM	3500.01	-2.10	1 / 1	21.18	19.08	0.081	30.00	-10.92
50 MHz	π/2 BPSK	3475.02	-2.10	1 / 1	25.44	23.34	0.216	30.00	-6.66	
		3500.01	-2.10	1 / 1	25.48	<b>23.38</b>	0.218	30.00	-6.62	
		3525.00	-2.10	1 / 1	25.43	23.33	0.215	30.00	-6.67	
	QPSK	3475.02	-2.10	1 / 1	25.38	23.28	0.213	30.00	-6.72	
		3500.01	-2.10	1 / 1	25.46	23.36	0.217	30.00	-6.64	
		3525.00	-2.10	1 / 1	25.34	23.24	0.211	30.00	-6.76	
	16-QAM	3500.01	-2.10	1 / 131	24.51	22.41	0.174	30.00	-7.59	
		64-QAM	3475.02	-2.10	1 / 64	23.12	21.02	0.127	30.00	-8.98
		256-QAM	3475.02	-2.10	1 / 1	20.96	18.86	0.077	30.00	-11.14
60 MHz	π/2 BPSK	3480.00	-2.10	1 / 1	25.50	23.40	0.219	30.00	-6.60	
		3500.01	-2.10	1 / 1	25.55	<b>23.45</b>	0.221	30.00	-6.55	
		3519.99	-2.10	1 / 1	25.42	23.32	0.215	30.00	-6.68	
	QPSK	3480.00	-2.10	1 / 81	25.44	23.34	0.216	30.00	-6.66	
		3500.01	-2.10	1 / 1	25.45	23.35	0.216	30.00	-6.65	
		3519.99	-2.10	1 / 81	25.42	23.32	0.215	30.00	-6.68	
	16-QAM	3480.00	-2.10	1 / 160	24.83	22.73	0.188	30.00	-7.27	
		64-QAM	3519.99	-2.10	1 / 1	23.07	20.97	0.125	30.00	-9.03
		256-QAM	3480.00	-2.10	1 / 1	20.92	18.82	0.076	30.00	-11.18
70 MHz	π/2 BPSK	3485.01	-2.10	1 / 90	25.53	23.43	0.220	30.00	-6.57	
		3500.01	-2.10	1 / 90	25.35	23.25	0.212	30.00	-6.75	
		3514.98	-2.10	1 / 90	25.45	23.35	0.216	30.00	-6.65	
	QPSK	3485.01	-2.10	1 / 1	25.56	<b>23.46</b>	0.222	30.00	-6.54	
		3500.01	-2.10	1 / 90	25.46	23.36	0.217	30.00	-6.64	
		3514.98	-2.10	1 / 1	25.47	23.37	0.217	30.00	-6.63	
	16-QAM	3485.01	-2.10	1 / 1	24.49	22.39	0.173	30.00	-7.61	
		64-QAM	3485.01	-2.10	1 / 1	23.10	21.00	0.126	30.00	-9.00
		256-QAM	3500.01	-2.10	1 / 187	21.03	18.93	0.078	30.00	-11.07
80 MHz	π/2 BPSK	3490.02	-2.10	1 / 108	25.41	23.31	0.214	30.00	-6.69	
		3500.01	-2.10	1 / 108	25.37	23.27	0.212	30.00	-6.73	
		3510.00	-2.10	1 / 1	25.47	<b>23.37</b>	0.217	30.00	-6.63	
	QPSK	3490.02	-2.10	1 / 108	25.35	23.25	0.211	30.00	-6.75	
		3500.01	-2.10	1 / 1	25.34	23.24	0.211	30.00	-6.76	
		3510.00	-2.10	1 / 108	25.32	23.22	0.210	30.00	-6.78	
	16-QAM	3500.01	-2.10	1 / 108	24.62	22.52	0.179	30.00	-7.48	
		64-QAM	3510.00	-2.10	1 / 1	23.06	20.96	0.125	30.00	-9.04
		256-QAM	3510.00	-2.10	1 / 1	20.96	18.86	0.077	30.00	-11.14
90 MHz	π/2 BPSK	3495.00	-2.10	1 / 243	25.36	23.26	0.212	30.00	-6.74	
		3500.01	-2.10	1 / 1	25.25	23.15	0.207	30.00	-6.85	
		3504.99	-2.10	1 / 120	25.26	23.16	0.207	30.00	-6.84	
	QPSK	3495.00	-2.10	1 / 1	25.33	23.23	0.210	30.00	-6.77	
		3500.01	-2.10	1 / 243	25.30	23.20	0.209	30.00	-6.80	
		3504.99	-2.10	1 / 120	25.37	<b>23.27</b>	0.212	30.00	-6.73	
	16-QAM	3495.00	-2.10	1 / 243	24.26	22.16	0.165	30.00	-7.84	
		64-QAM	3495.00	-2.10	1 / 120	22.79	20.69	0.117	30.00	-9.31
		256-QAM	3504.99	-2.10	1 / 120	20.68	18.58	0.072	30.00	-11.42
100 MHz	π/2 BPSK	3500.01	-2.10	1 / 135	25.46	<b>23.36</b>	0.217	30.00	-6.64	
		QPSK	3500.01	-2.10	1 / 135	25.37	23.27	0.212	30.00	-6.73
	16-QAM	3500.01	-2.10	1 / 271	24.79	22.69	0.186	30.00	-7.31	
	64-QAM	3500.01	-2.10	1 / 135	23.32	21.22	0.132	30.00	-8.78	
	256-QAM	3500.01	-2.10	1 / 135	21.21	19.11	0.082	30.00	-10.89	

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	-1.10	1 / 12	26.60	<b>25.50</b>	0.355	30.00	-4.50	
		3840.00	-1.10	1 / 12	26.52	25.42	0.348	30.00	-4.58	
		3975.00	-1.10	1 / 12	26.65	<b>25.55</b>	0.359	30.00	-4.45	
	QPSK	3705.00	-1.10	1 / 1	26.57	25.47	0.352	30.00	-4.53	
		3840.00	-1.10	1 / 12	26.52	25.42	0.348	30.00	-4.58	
		3975.00	-1.10	1 / 12	26.57	25.47	0.353	30.00	-4.53	
		16-QAM	3975.00	-1.10	1 / 12	26.12	25.02	0.318	30.00	-4.98
		64-QAM	3975.00	-1.10	1 / 12	24.70	23.60	0.229	30.00	-6.40
256-QAM	3975.00	-1.10	1 / 1	22.70	21.60	0.145	30.00	-8.40		
15 MHz	π/2 BPSK	3707.51	-1.10	1 / 1	26.58	25.48	0.353	30.00	-4.52	
		3840.00	-1.10	1 / 36	26.58	25.48	0.353	30.00	-4.52	
		3972.50	-1.10	1 / 1	26.91	<b>25.81</b>	0.381	30.00	-4.19	
	QPSK	3707.51	-1.10	1 / 36	26.68	25.58	0.362	30.00	-4.42	
		3840.00	-1.10	1 / 36	26.54	25.44	0.350	30.00	-4.56	
		3972.50	-1.10	1 / 18	26.77	25.67	0.369	30.00	-4.33	
		16-QAM	3707.51	-1.10	1 / 18	25.99	24.89	0.308	30.00	-5.11
	64-QAM	3972.50	-1.10	1 / 1	24.91	23.81	0.241	30.00	-6.19	
256-QAM	3972.50	-1.10	1 / 36	22.83	21.73	0.149	30.00	-8.27		
20 MHz	π/2 BPSK	3710.01	-1.10	1 / 1	26.60	25.50	0.355	30.00	-4.50	
		3840.00	-1.10	1 / 25	26.52	25.42	0.348	30.00	-4.58	
		3969.99	-1.10	1 / 25	26.80	<b>25.70</b>	0.372	30.00	-4.30	
	QPSK	3710.01	-1.10	1 / 49	26.65	25.55	0.359	30.00	-4.45	
		3840.00	-1.10	1 / 25	26.53	25.43	0.349	30.00	-4.57	
		3969.99	-1.10	1 / 1	26.80	25.70	0.371	30.00	-4.30	
		16-QAM	3710.01	-1.10	1 / 49	26.28	25.18	0.330	30.00	-4.82
	64-QAM	3710.01	-1.10	1 / 1	24.88	23.78	0.239	30.00	-6.22	
256-QAM	3969.99	-1.10	1 / 1	23.04	21.94	0.156	30.00	-8.06		
30 MHz	π/2 BPSK	3715.02	-1.10	1 / 1	26.67	25.57	0.361	30.00	-4.43	
		3840.00	-1.10	1 / 76	26.54	25.44	0.350	30.00	-4.56	
		3964.98	-1.10	1 / 1	26.92	25.82	0.382	30.00	-4.18	
	QPSK	3715.02	-1.10	1 / 1	26.58	25.48	0.354	30.00	-4.52	
		3840.00	-1.10	1 / 76	26.51	25.41	0.347	30.00	-4.59	
		3964.98	-1.10	1 / 1	26.94	<b>25.84</b>	0.383	30.00	-4.16	
		16-QAM	3715.02	-1.10	1 / 36	26.15	25.05	0.320	30.00	-4.95
	64-QAM	3964.98	-1.10	1 / 1	24.84	23.74	0.237	30.00	-6.26	
256-QAM	3964.98	-1.10	1 / 76	22.96	21.86	0.154	30.00	-8.14		
40 MHz	π/2 BPSK	3720.00	-1.10	1 / 1	26.73	25.63	0.366	30.00	-4.37	
		3840.00	-1.10	1 / 104	26.57	25.47	0.352	30.00	-4.53	
		3960.00	-1.10	1 / 1	27.00	25.90	0.389	30.00	-4.10	
	QPSK	3720.00	-1.10	1 / 1	26.75	25.65	0.368	30.00	-4.35	
		3840.00	-1.10	1 / 1	26.59	25.49	0.354	30.00	-4.51	
		3960.00	-1.10	1 / 1	27.00	<b>25.90</b>	0.389	30.00	-4.10	
		16-QAM	3720.00	-1.10	1 / 1	26.17	25.07	0.321	30.00	-4.93
	64-QAM	3960.00	-1.10	1 / 104	24.80	23.70	0.234	30.00	-6.30	
256-QAM	3960.00	-1.10	1 / 1	22.97	21.87	0.154	30.00	-8.13		
50 MHz	π/2 BPSK	3725.01	-1.10	1 / 64	26.58	25.48	0.353	30.00	-4.52	
		3840.00	-1.10	1 / 131	26.53	25.43	0.349	30.00	-4.57	
		3954.99	-1.10	1 / 131	26.68	25.58	0.361	30.00	-4.42	
	QPSK	3725.01	-1.10	1 / 64	26.52	25.42	0.349	30.00	-4.58	
		3840.00	-1.10	1 / 131	26.50	25.40	0.346	30.00	-4.60	
		3954.99	-1.10	1 / 1	26.72	<b>25.62</b>	0.365	30.00	-4.38	
		16-QAM	3954.99	-1.10	1 / 1	26.21	25.11	0.325	30.00	-4.89
	64-QAM	3954.99	-1.10	1 / 64	24.70	23.60	0.229	30.00	-6.40	
256-QAM	3954.99	-1.10	1 / 64	22.72	21.62	0.145	30.00	-8.38		
60 MHz	π/2 BPSK	3730.02	-1.10	1 / 1	26.68	<b>25.58</b>	0.361	30.00	-4.42	
		3840.00	-1.10	1 / 160	26.54	25.44	0.350	30.00	-4.56	
		3949.98	-1.10	1 / 1	26.63	25.53	0.357	30.00	-4.47	
	QPSK	3730.02	-1.10	1 / 1	26.58	25.48	0.353	30.00	-4.52	
		3840.00	-1.10	1 / 160	26.52	25.42	0.348	30.00	-4.58	
		3949.98	-1.10	1 / 1	26.64	25.54	0.358	30.00	-4.46	
		16-QAM	3949.98	-1.10	1 / 81	26.04	24.94	0.312	30.00	-5.06
	64-QAM	3730.02	-1.10	1 / 1	24.65	23.55	0.227	30.00	-6.45	
256-QAM	3730.02	-1.10	1 / 1	22.49	21.39	0.138	30.00	-8.61		
70 MHz	π/2 BPSK	3735.00	-1.10	1 / 1	26.65	25.55	0.359	30.00	-4.45	
		3840.00	-1.10	1 / 187	26.57	25.47	0.352	30.00	-4.53	
		3945.00	-1.10	1 / 1	26.55	25.45	0.351	30.00	-4.55	
	QPSK	3735.00	-1.10	1 / 1	26.70	<b>25.60</b>	0.363	30.00	-4.40	
		3840.00	-1.10	1 / 187	26.52	25.42	0.348	30.00	-4.58	
		3945.00	-1.10	1 / 1	26.54	25.44	0.350	30.00	-4.56	
		16-QAM	3945.00	-1.10	1 / 1	26.08	24.98	0.315	30.00	-5.02
	64-QAM	3840.00	-1.10	1 / 187	24.56	23.46	0.222	30.00	-6.54	
256-QAM	3945.00	-1.10	1 / 1	22.48	21.38	0.137	30.00	-8.62		
80 MHz	π/2 BPSK	3740.01	-1.10	1 / 108	26.63	25.53	0.357	30.00	-4.47	
		3840.00	-1.10	1 / 215	26.61	25.51	0.355	30.00	-4.49	
		3939.99	-1.10	1 / 108	26.65	25.55	0.359	30.00	-4.45	
	QPSK	3740.01	-1.10	1 / 1	26.57	25.47	0.352	30.00	-4.53	
		3840.00	-1.10	1 / 108	26.55	25.45	0.351	30.00	-4.55	
		3939.99	-1.10	1 / 1	26.69	<b>25.59</b>	0.362	30.00	-4.41	
		16-QAM	3939.99	-1.10	1 / 108	26.12	25.02	0.318	30.00	-4.98
	64-QAM	3939.99	-1.10	1 / 215	24.72	23.62	0.230	30.00	-6.38	
256-QAM	3939.99	-1.10	1 / 215	22.58	21.48	0.141	30.00	-8.52		
90 MHz	π/2 BPSK	3745.02	-1.10	1 / 120	26.60	25.50	0.355	30.00	-4.50	
		3840.00	-1.10	1 / 120	26.53	25.43	0.349	30.00	-4.57	
		3934.98	-1.10	1 / 1	26.73	25.63	0.365	30.00	-4.37	
	QPSK	3745.02	-1.10	1 / 120	26.51	25.41	0.348	30.00	-4.59	
		3840.00	-1.10	1 / 243	26.67	25.57	0.361	30.00	-4.43	
		3934.98	-1.10	1 / 243	26.73	<b>25.63</b>	0.366	30.00	-4.37	
		16-QAM	3934.98	-1.10	1 / 120	26.05	24.95	0.313	30.00	-5.05
	64-QAM	3934.98	-1.10	1 / 243	24.88	23.78	0.239	30.00	-6.22	
256-QAM	3934.98	-1.10	1 / 243	22.71	21.61	0.145	30.00	-8.39		
100 MHz	π/2 BPSK	3750.00	-1.10	1 / 135	26.53	25.43	0.349	30.00	-4.57	
		3840.00	-1.10	1 / 271	26.68	25.58	0.361	30.00	-4.42	
		3930.00	-1.10	1 / 271	26.75	<b>25.65</b>	0.367	30.00	-4.35	
	QPSK	3750.00	-1.10	1 / 135	26.52	25.42	0.348	30.00	-4.58	
		3840.00	-1.10	1 / 271	26.69	25.59	0.362	30.00	-4.41	
		3930.00	-1.10	1 / 271	26.66	25.56	0.360	30.00	-4.44	
		16-QAM	3930.00	-1.10	1 / 271	26.16	25.06	0.321	30.00	-4.94
	64-QAM	3930.00	-1.10	1 / 135	24.77	23.67	0.233	30.00	-6.33	
256-QAM	3930.00	-1.10	1 / 1	22.71	21.61	0.145	30.00	-8.39		

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	11/2 BPSK	3705.00	-1.10	1 / 12	25.48	<b>24.38</b>	0.274	30.00	-5.62	
		3840.00	-1.10	1 / 12	25.37	24.27	0.267	30.00	-5.73	
		3975.00	-1.10	1 / 12	25.46	<b>24.36</b>	0.273	30.00	-5.64	
		3705.00	-1.10	1 / 22	25.46	24.36	0.273	30.00	-5.64	
		3840.00	-1.10	1 / 12	25.33	24.23	0.265	30.00	-5.77	
	QPSK	3975.00	-1.10	1 / 12	25.41	24.31	0.270	30.00	-5.69	
		16-QAM	3975.00	-1.10	1 / 12	24.64	23.54	0.226	30.00	-6.46
		64-QAM	3975.00	-1.10	1 / 22	22.94	21.84	0.153	30.00	-8.16
		256-QAM	3975.00	-1.10	1 / 1	20.84	19.74	0.094	30.00	-10.26
		15 MHz	11/2 BPSK	3707.51	-1.10	1 / 1	25.43	24.33	0.271	30.00
3840.00	-1.10			1 / 18	25.35	24.25	0.266	30.00	-5.75	
3972.50	-1.10			1 / 36	25.61	<b>24.51</b>	0.282	30.00	-5.49	
3707.51	-1.10			1 / 36	25.35	24.25	0.266	30.00	-5.75	
3840.00	-1.10			1 / 36	25.36	24.26	0.267	30.00	-5.74	
QPSK	3972.50		-1.10	1 / 36	25.58	24.48	0.280	30.00	-5.52	
	16-QAM		3972.50	-1.10	1 / 36	24.78	23.68	0.233	30.00	-6.32
	64-QAM		3972.50	-1.10	1 / 36	23.36	22.26	0.168	30.00	-7.74
	256-QAM		3972.50	-1.10	1 / 36	21.11	20.01	0.100	30.00	-9.99
	20 MHz		11/2 BPSK	3710.01	-1.10	1 / 49	25.36	24.26	0.267	30.00
3840.00		-1.10		1 / 49	25.31	24.21	0.264	30.00	-5.79	
3969.99		-1.10		1 / 1	25.53	24.43	0.277	30.00	-5.57	
3710.01		-1.10		1 / 49	25.32	24.22	0.264	30.00	-5.78	
3840.00		-1.10		1 / 25	25.34	24.24	0.265	30.00	-5.76	
QPSK		3969.99	-1.10	1 / 49	25.56	<b>24.46</b>	0.279	30.00	-5.54	
		16-QAM	3969.99	-1.10	1 / 25	24.72	23.62	0.230	30.00	-6.38
		64-QAM	3969.99	-1.10	1 / 49	23.17	22.07	0.161	30.00	-7.93
		256-QAM	3969.99	-1.10	1 / 49	21.17	20.07	0.102	30.00	-9.93
		30 MHz	11/2 BPSK	3715.02	-1.10	1 / 76	25.31	24.21	0.264	30.00
3840.00	-1.10			1 / 76	25.30	24.20	0.263	30.00	-5.80	
3964.98	-1.10			1 / 1	25.66	<b>24.56</b>	0.286	30.00	-5.44	
3715.02	-1.10			1 / 76	25.34	24.24	0.265	30.00	-5.76	
3840.00	-1.10			1 / 76	25.37	24.27	0.267	30.00	-5.73	
QPSK	3964.98		-1.10	1 / 1	25.65	24.55	0.285	30.00	-5.45	
	16-QAM		3964.98	-1.10	1 / 76	24.83	23.73	0.236	30.00	-6.27
	64-QAM		3964.98	-1.10	1 / 1	23.27	22.17	0.165	30.00	-7.83
	256-QAM		3964.98	-1.10	1 / 1	21.09	19.99	0.100	30.00	-10.01
	40 MHz		11/2 BPSK	3720.00	-1.10	1 / 1	25.42	24.32	0.270	30.00
3840.00		-1.10		1 / 104	25.35	24.25	0.266	30.00	-5.75	
3960.00		-1.10		1 / 1	25.70	<b>24.60</b>	0.288	30.00	-5.40	
3720.00		-1.10		1 / 1	25.49	24.39	0.275	30.00	-5.61	
3840.00		-1.10		1 / 1	25.33	24.23	0.265	30.00	-5.77	
QPSK		3960.00	-1.10	1 / 1	25.69	24.59	0.288	30.00	-5.41	
		16-QAM	3840.00	-1.10	1 / 1	24.62	23.52	0.225	30.00	-6.48
		64-QAM	3960.00	-1.10	1 / 1	23.29	22.19	0.165	30.00	-7.81
		256-QAM	3960.00	-1.10	1 / 1	21.20	20.10	0.102	30.00	-9.90
		50 MHz	11/2 BPSK	3725.01	-1.10	1 / 1	25.35	24.25	0.266	30.00
3840.00	-1.10			1 / 131	25.34	24.24	0.265	30.00	-5.76	
3954.99	-1.10			1 / 1	25.50	<b>24.40</b>	0.275	30.00	-5.60	
3725.01	-1.10			1 / 64	25.28	24.18	0.262	30.00	-5.82	
3840.00	-1.10			1 / 131	25.39	24.29	0.269	30.00	-5.71	
QPSK	3954.99		-1.10	1 / 1	25.50	24.40	0.275	30.00	-5.60	
	16-QAM		3954.99	-1.10	1 / 131	24.62	23.52	0.225	30.00	-6.48
	64-QAM		3954.99	-1.10	1 / 1	22.99	21.89	0.155	30.00	-8.11
	256-QAM		3954.99	-1.10	1 / 1	21.10	20.00	0.100	30.00	-10.00
	60 MHz		11/2 BPSK	3730.02	-1.10	1 / 1	25.34	<b>24.24</b>	0.265	30.00
3840.00		-1.10		1 / 1	25.29	24.19	0.262	30.00	-5.81	
3949.98		-1.10		1 / 1	25.33	24.23	0.265	30.00	-5.77	
3730.02		-1.10		1 / 1	25.22	24.12	0.258	30.00	-5.88	
3840.00		-1.10		1 / 160	25.21	24.11	0.258	30.00	-5.89	
QPSK		3949.98	-1.10	1 / 81	25.30	24.20	0.263	30.00	-5.80	
		16-QAM	3730.02	-1.10	1 / 1	24.32	23.22	0.210	30.00	-6.78
		64-QAM	3949.98	-1.10	1 / 160	22.85	21.75	0.150	30.00	-8.25
		256-QAM	3949.98	-1.10	1 / 1	20.86	19.76	0.095	30.00	-10.24
		70 MHz	11/2 BPSK	3735.00	-1.10	1 / 1	25.38	24.28	0.268	30.00
3840.00	-1.10			1 / 90	25.33	24.23	0.265	30.00	-5.77	
3945.00	-1.10			1 / 1	25.46	<b>24.36</b>	0.273	30.00	-5.64	
3735.00	-1.10			1 / 1	25.29	24.19	0.262	30.00	-5.81	
3840.00	-1.10			1 / 187	25.28	24.18	0.262	30.00	-5.82	
QPSK	3945.00		-1.10	1 / 1	25.26	24.16	0.261	30.00	-5.84	
	16-QAM		3735.00	-1.10	1 / 187	24.28	23.18	0.208	30.00	-6.82
	64-QAM		3945.00	-1.10	1 / 90	22.93	21.83	0.152	30.00	-8.17
	256-QAM		3735.00	-1.10	1 / 90	20.84	19.74	0.094	30.00	-10.26
	80 MHz		11/2 BPSK	3740.01	-1.10	1 / 108	25.25	24.15	0.260	30.00
3840.00		-1.10		1 / 215	25.21	24.11	0.258	30.00	-5.89	
3939.99		-1.10		1 / 215	25.32	<b>24.22</b>	0.264	30.00	-5.78	
3740.01		-1.10		1 / 108	25.21	24.11	0.257	30.00	-5.89	
3840.00		-1.10		1 / 215	25.22	24.12	0.258	30.00	-5.88	
QPSK		3939.99	-1.10	1 / 108	25.22	24.12	0.258	30.00	-5.88	
		16-QAM	3939.99	-1.10	1 / 1	24.33	23.23	0.210	30.00	-6.77
		64-QAM	3939.99	-1.10	1 / 108	22.82	21.72	0.148	30.00	-8.28
		256-QAM	3939.99	-1.10	1 / 108	20.86	19.76	0.095	30.00	-10.24
		90 MHz	11/2 BPSK	3745.02	-1.10	1 / 1	25.31	24.21	0.264	30.00
3840.00	-1.10			1 / 120	25.29	24.19	0.262	30.00	-5.81	
3934.98	-1.10			1 / 120	25.30	24.20	0.263	30.00	-5.80	
3745.02	-1.10			1 / 120	25.34	24.24	0.265	30.00	-5.76	
3840.00	-1.10			1 / 243	25.36	<b>24.26</b>	0.267	30.00	-5.74	
QPSK	3934.98		-1.10	1 / 120	25.29	24.19	0.262	30.00	-5.81	
	16-QAM		3934.98	-1.10	1 / 1	24.49	23.39	0.218	30.00	-6.61
	64-QAM		3840.00	-1.10	1 / 243	23.00	21.90	0.155	30.00	-8.10
	256-QAM		3934.98	-1.10	1 / 120	20.75	19.65	0.092	30.00	-10.35
	100 MHz		11/2 BPSK	3750.00	-1.10	1 / 135	25.23	24.13	0.259	30.00
3840.00		-1.10		1 / 271	25.37	<b>24.27</b>	0.267	30.00	-5.73	
3930.00		-1.10		1 / 271	25.27	24.17	0.261	30.00	-5.83	
3750.00		-1.10		1 / 1	25.36	24.26	0.267	30.00	-5.74	
3840.00		-1.10		1 / 271	25.30	24.20	0.263	30.00	-5.80	
QPSK		3930.00	-1.10	1 / 135	25.27	24.17	0.261	30.00	-5.83	
		16-QAM	3930.00	-1.10	1 / 135	24.71	23.61	0.230	30.00	-6.39
		64-QAM	3930.00	-1.10	1 / 271	22.96	21.86	0.153	30.00	-8.14
		256-QAM	3930.00	-1.10	1 / 135	20.89	19.79	0.095	30.00	-10.21

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	-2.00	1 / 22	23.20	<b>21.20</b>	0.132	30.00	-8.80
		3500.01	-2.00	1 / 22	23.16	<b>21.16</b>	0.131	30.00	-8.84
		3544.98	-2.00	1 / 1	23.03	21.03	0.127	30.00	-8.97
	QPSK	3455.01	-2.00	1 / 12	23.15	21.15	0.130	30.00	-8.85
		3500.01	-2.00	1 / 1	23.09	21.09	0.129	30.00	-8.91
		3544.98	-2.00	1 / 22	23.04	21.04	0.127	30.00	-8.96
	16-QAM	3500.01	-2.00	1 / 12	22.62	20.62	0.115	30.00	-9.38
	64-QAM	3455.01	-2.00	1 / 22	20.85	18.85	0.077	30.00	-11.15
	256-QAM	3500.01	-2.00	1 / 1	18.81	16.81	0.048	30.00	-13.19
	15 MHz	π/2 BPSK	3457.50	-2.00	1 / 36	23.36	21.36	0.137	30.00
3500.01			-2.00	1 / 1	23.38	21.38	0.137	30.00	-8.62
3542.49			-2.00	1 / 36	23.25	21.25	0.133	30.00	-8.75
QPSK		3457.50	-2.00	1 / 36	23.40	<b>21.40</b>	0.138	30.00	-8.60
		3500.01	-2.00	1 / 1	23.36	21.36	0.137	30.00	-8.64
		3542.49	-2.00	1 / 1	23.25	21.25	0.133	30.00	-8.75
16-QAM		3500.01	-2.00	1 / 1	22.43	20.43	0.110	30.00	-9.57
64-QAM		3500.01	-2.00	1 / 36	21.08	19.08	0.081	30.00	-10.92
256-QAM		3457.50	-2.00	1 / 36	19.00	17.00	0.050	30.00	-13.00
20 MHz		π/2 BPSK	3460.02	-2.00	1 / 49	23.33	21.33	0.136	30.00
	3500.01		-2.00	1 / 1	23.37	<b>21.37</b>	0.137	30.00	-8.63
	3540.00		-2.00	1 / 1	23.23	21.23	0.133	30.00	-8.77
	QPSK	3460.02	-2.00	1 / 49	23.33	21.33	0.136	30.00	-8.67
		3500.01	-2.00	1 / 1	23.35	21.35	0.137	30.00	-8.65
		3540.00	-2.00	1 / 1	23.26	21.26	0.134	30.00	-8.74
	16-QAM	3460.02	-2.00	1 / 49	22.44	20.44	0.111	30.00	-9.56
	64-QAM	3460.02	-2.00	1 / 1	21.00	19.00	0.079	30.00	-11.00
	256-QAM	3460.02	-2.00	1 / 1	18.85	16.85	0.048	30.00	-13.15
	30 MHz	π/2 BPSK	3465.00	-2.00	1 / 76	23.39	21.39	0.138	30.00
3500.01			-2.00	1 / 1	23.42	21.42	0.139	30.00	-8.58
3534.99			-2.00	1 / 1	23.38	21.38	0.137	30.00	-8.62
QPSK		3465.00	-2.00	1 / 76	23.34	21.34	0.136	30.00	-8.66
		3500.01	-2.00	1 / 1	23.43	21.43	0.139	30.00	-8.57
		3534.99	-2.00	1 / 1	23.44	<b>21.44</b>	0.139	30.00	-8.56
16-QAM		3534.99	-2.00	1 / 1	22.41	20.41	0.110	30.00	-9.59
64-QAM		3465.00	-2.00	1 / 36	21.08	19.08	0.081	30.00	-10.92
256-QAM		3500.01	-2.00	1 / 1	19.03	17.03	0.050	30.00	-12.97
40 MHz		π/2 BPSK	3470.01	-2.00	1 / 104	23.50	<b>21.50</b>	0.141	30.00
	3500.01		-2.00	1 / 1	23.49	21.49	0.141	30.00	-8.51
	3529.98		-2.00	1 / 1	23.43	21.43	0.139	30.00	-8.57
	QPSK	3470.01	-2.00	1 / 1	23.41	21.41	0.139	30.00	-8.59
		3500.01	-2.00	1 / 104	23.41	21.41	0.138	30.00	-8.59
		3529.98	-2.00	1 / 1	23.45	21.45	0.140	30.00	-8.55
	16-QAM	3500.01	-2.00	1 / 104	22.56	20.56	0.114	30.00	-9.44
	64-QAM	3500.01	-2.00	1 / 1	21.27	19.27	0.084	30.00	-10.73
	256-QAM	3500.01	-2.00	1 / 1	18.94	16.94	0.049	30.00	-13.06
	50 MHz	π/2 BPSK	3475.02	-2.00	1 / 1	23.22	21.22	0.133	30.00
3500.01			-2.00	1 / 1	23.32	<b>21.32</b>	0.136	30.00	-8.68
3525.00			-2.00	1 / 1	23.13	21.13	0.130	30.00	-8.87
QPSK		3475.02	-2.00	1 / 1	23.28	21.28	0.134	30.00	-8.72
		3500.01	-2.00	1 / 1	23.19	21.19	0.131	30.00	-8.81
		3525.00	-2.00	1 / 1	23.14	21.14	0.130	30.00	-8.86
16-QAM		3500.01	-2.00	1 / 64	22.35	20.35	0.108	30.00	-9.65
64-QAM		3475.02	-2.00	1 / 64	20.82	18.82	0.076	30.00	-11.18
256-QAM		3500.01	-2.00	1 / 1	18.77	16.77	0.048	30.00	-13.23
60 MHz		π/2 BPSK	3480.00	-2.00	1 / 81	23.32	<b>21.32</b>	0.136	30.00
	3500.01		-2.00	1 / 1	23.29	21.29	0.135	30.00	-8.71
	3519.99		-2.00	1 / 1	23.27	21.27	0.134	30.00	-8.73
	QPSK	3480.00	-2.00	1 / 81	23.30	21.30	0.135	30.00	-8.70
		3500.01	-2.00	1 / 81	23.17	21.17	0.131	30.00	-8.83
		3519.99	-2.00	1 / 1	23.22	21.22	0.133	30.00	-8.78
	16-QAM	3500.01	-2.00	1 / 1	22.43	20.43	0.111	30.00	-9.57
	64-QAM	3480.00	-2.00	1 / 160	20.84	18.84	0.077	30.00	-11.16
	256-QAM	3480.00	-2.00	1 / 1	18.89	16.89	0.049	30.00	-13.11
	70 MHz	π/2 BPSK	3485.01	-2.00	1 / 1	23.19	21.19	0.132	30.00
3500.01			-2.00	1 / 1	23.23	<b>21.23</b>	0.133	30.00	-8.77
3514.98			-2.00	1 / 1	23.13	21.13	0.130	30.00	-8.87
QPSK		3485.01	-2.00	1 / 1	23.20	21.20	0.132	30.00	-8.80
		3500.01	-2.00	1 / 1	23.19	21.19	0.132	30.00	-8.81
		3514.98	-2.00	1 / 90	23.14	21.14	0.130	30.00	-8.86
16-QAM		3500.01	-2.00	1 / 1	22.43	20.43	0.111	30.00	-9.57
64-QAM		3514.98	-2.00	1 / 90	20.94	18.94	0.078	30.00	-11.06
256-QAM		3514.98	-2.00	1 / 90	18.81	16.81	0.048	30.00	-13.19
80 MHz		π/2 BPSK	3490.02	-2.00	1 / 1	23.01	21.01	0.126	30.00
	3500.01		-2.00	1 / 215	23.06	21.06	0.128	30.00	-8.94
	3510.00		-2.00	1 / 1	23.25	<b>21.25</b>	0.133	30.00	-8.75
	QPSK	3490.02	-2.00	1 / 108	23.15	21.15	0.130	30.00	-8.85
		3500.01	-2.00	1 / 215	23.09	21.09	0.128	30.00	-8.91
		3510.00	-2.00	1 / 108	23.25	21.25	0.133	30.00	-8.75
	16-QAM	3490.02	-2.00	1 / 1	22.35	20.35	0.108	30.00	-9.65
	64-QAM	3500.01	-2.00	1 / 1	20.85	18.85	0.077	30.00	-11.15
	256-QAM	3500.01	-2.00	1 / 108	18.83	16.83	0.048	30.00	-13.17
	90 MHz	π/2 BPSK	3495.00	-2.00	1 / 120	23.20	21.20	0.132	30.00
3500.01			-2.00	1 / 120	23.26	<b>21.26</b>	0.134	30.00	-8.74
3504.99			-2.00	1 / 243	23.07	21.07	0.128	30.00	-8.93
QPSK		3495.00	-2.00	1 / 120	23.22	21.22	0.133	30.00	-8.78
		3500.01	-2.00	1 / 243	23.23	21.23	0.133	30.00	-8.77
		3504.99	-2.00	1 / 120	23.15	21.15	0.130	30.00	-8.85
16-QAM		3500.01	-2.00	1 / 120	22.16	20.16	0.104	30.00	-9.84
64-QAM		3495.00	-2.00	1 / 120	20.87	18.87	0.077	30.00	-11.13
256-QAM		3504.99	-2.00	1 / 120	18.95	16.95	0.050	30.00	-13.05
100 MHz		π/2 BPSK	3500.01	-2.00	1 / 1	23.40	<b>21.40</b>	0.138	30.00
	QPSK	3500.01	-2.00	1 / 271	23.23	21.23	0.133	30.00	-8.77
	16-QAM	3500.01	-2.00	1 / 135	22.44	20.44	0.111	30.00	-9.56
	64-QAM	3500.01	-2.00	1 / 135	21.15	19.15	0.082	30.00	-10.85
	256-QAM	3500.01	-2.00	1 / 135	19.22	17.22	0.053	30.00	-12.78

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	-2.00	1 / 12	23.20	21.20	0.132	30.00	-8.80
		3500.01	-2.00	1 / 12	23.13	21.13	0.130	30.00	-8.87
		3544.98	-2.00	1 / 1	23.01	21.01	0.126	30.00	-8.99
	QPSK	3455.01	-2.00	1 / 12	23.19	21.19	0.131	30.00	-8.81
		3500.01	-2.00	1 / 12	23.08	21.08	0.128	30.00	-8.92
		3544.98	-2.00	1 / 1	23.10	21.10	0.129	30.00	-8.90
16-QAM	3455.01	-2.00	1 / 1	22.39	20.39	0.109	30.00	-9.61	
64-QAM	3455.01	-2.00	1 / 12	20.78	18.78	0.076	30.00	-11.22	
256-QAM	3455.01	-2.00	1 / 22	18.75	16.75	0.047	30.00	-13.25	
15 MHz	π/2 BPSK	3457.50	-2.00	1 / 36	23.37	21.37	0.137	30.00	-8.63
		3500.01	-2.00	1 / 36	23.37	21.37	0.137	30.00	-8.63
		3542.49	-2.00	1 / 36	23.25	21.25	0.133	30.00	-8.75
	QPSK	3457.50	-2.00	1 / 1	23.33	21.33	0.136	30.00	-8.67
		3500.01	-2.00	1 / 1	23.36	21.36	0.137	30.00	-8.64
		3542.49	-2.00	1 / 36	23.24	21.24	0.133	30.00	-8.76
16-QAM	3500.01	-2.00	1 / 18	22.55	20.55	0.114	30.00	-9.45	
64-QAM	3500.01	-2.00	1 / 1	20.94	18.94	0.078	30.00	-11.06	
256-QAM	3457.50	-2.00	1 / 1	18.93	16.93	0.049	30.00	-13.07	
20 MHz	π/2 BPSK	3460.02	-2.00	1 / 49	23.36	21.36	0.137	30.00	-8.64
		3500.01	-2.00	1 / 1	23.38	21.38	0.137	30.00	-8.62
		3540.00	-2.00	1 / 1	23.25	21.25	0.133	30.00	-8.75
	QPSK	3460.02	-2.00	1 / 49	23.32	21.32	0.136	30.00	-8.68
		3500.01	-2.00	1 / 49	23.36	21.36	0.137	30.00	-8.64
		3540.00	-2.00	1 / 1	23.31	21.31	0.135	30.00	-8.69
16-QAM	3460.02	-2.00	1 / 1	22.44	20.44	0.111	30.00	-9.56	
64-QAM	3500.01	-2.00	1 / 1	20.96	18.96	0.079	30.00	-11.04	
256-QAM	3500.01	-2.00	1 / 1	18.95	16.95	0.050	30.00	-13.05	
30 MHz	π/2 BPSK	3465.00	-2.00	1 / 1	23.41	21.41	0.138	30.00	-8.59
		3500.01	-2.00	1 / 1	23.41	21.41	0.138	30.00	-8.59
		3534.99	-2.00	1 / 1	23.34	21.34	0.136	30.00	-8.66
	QPSK	3465.00	-2.00	1 / 1	23.40	21.40	0.138	30.00	-8.60
		3500.01	-2.00	1 / 1	23.40	21.40	0.138	30.00	-8.60
		3534.99	-2.00	1 / 1	23.35	21.35	0.136	30.00	-8.65
16-QAM	3500.01	-2.00	1 / 1	22.46	20.46	0.111	30.00	-9.54	
64-QAM	3465.00	-2.00	1 / 1	21.10	19.10	0.081	30.00	-10.90	
256-QAM	3534.99	-2.00	1 / 1	19.01	17.01	0.050	30.00	-12.99	
40 MHz	π/2 BPSK	3470.01	-2.00	1 / 104	23.50	21.50	0.141	30.00	-8.50
		3500.01	-2.00	1 / 1	23.49	21.49	0.141	30.00	-8.51
		3529.98	-2.00	1 / 1	23.41	21.41	0.138	30.00	-8.59
	QPSK	3470.01	-2.00	1 / 104	23.42	21.42	0.139	30.00	-8.58
		3500.01	-2.00	1 / 1	23.37	21.37	0.137	30.00	-8.63
		3529.98	-2.00	1 / 1	23.42	21.42	0.139	30.00	-8.58
16-QAM	3529.98	-2.00	1 / 104	22.52	20.52	0.113	30.00	-9.48	
64-QAM	3470.01	-2.00	1 / 104	21.24	19.24	0.084	30.00	-10.76	
256-QAM	3470.01	-2.00	1 / 1	18.95	16.95	0.050	30.00	-13.05	
50 MHz	π/2 BPSK	3475.02	-2.00	1 / 1	23.23	21.23	0.133	30.00	-8.77
		3500.01	-2.00	1 / 1	23.24	21.24	0.133	30.00	-8.76
		3525.00	-2.00	1 / 1	23.28	21.28	0.134	30.00	-8.72
	QPSK	3475.02	-2.00	1 / 1	23.23	21.23	0.133	30.00	-8.77
		3500.01	-2.00	1 / 1	23.32	21.32	0.136	30.00	-8.68
		3525.00	-2.00	1 / 1	23.26	21.26	0.134	30.00	-8.74
16-QAM	3475.02	-2.00	1 / 1	22.28	20.28	0.107	30.00	-9.72	
64-QAM	3525.00	-2.00	1 / 1	20.86	18.86	0.077	30.00	-11.14	
256-QAM	3525.00	-2.00	1 / 64	18.69	16.69	0.047	30.00	-13.31	
60 MHz	π/2 BPSK	3480.00	-2.00	1 / 1	23.18	21.18	0.131	30.00	-8.82
		3500.01	-2.00	1 / 1	23.22	21.22	0.132	30.00	-8.78
		3519.99	-2.00	1 / 81	23.26	21.26	0.134	30.00	-8.74
	QPSK	3480.00	-2.00	1 / 81	23.23	21.23	0.133	30.00	-8.77
		3500.01	-2.00	1 / 81	23.23	21.23	0.133	30.00	-8.77
		3519.99	-2.00	1 / 1	23.17	21.17	0.131	30.00	-8.83
16-QAM	3480.00	-2.00	1 / 81	22.31	20.31	0.108	30.00	-9.69	
64-QAM	3500.01	-2.00	1 / 1	21.00	19.00	0.079	30.00	-11.00	
256-QAM	3519.99	-2.00	1 / 1	18.82	16.82	0.048	30.00	-13.18	
70 MHz	π/2 BPSK	3485.01	-2.00	1 / 90	23.13	21.13	0.130	30.00	-8.87
		3500.01	-2.00	1 / 1	23.22	21.22	0.133	30.00	-8.78
		3514.98	-2.00	1 / 1	23.23	21.23	0.133	30.00	-8.77
	QPSK	3485.01	-2.00	1 / 187	23.14	21.14	0.130	30.00	-8.86
		3500.01	-2.00	1 / 1	23.17	21.17	0.131	30.00	-8.83
		3514.98	-2.00	1 / 90	23.19	21.19	0.131	30.00	-8.81
16-QAM	3485.01	-2.00	1 / 1	22.27	20.27	0.106	30.00	-9.73	
64-QAM	3514.98	-2.00	1 / 1	21.00	19.00	0.079	30.00	-11.00	
256-QAM	3485.01	-2.00	1 / 90	18.70	16.70	0.047	30.00	-13.30	
80 MHz	π/2 BPSK	3490.02	-2.00	1 / 1	23.15	21.15	0.130	30.00	-8.85
		3500.01	-2.00	1 / 1	23.28	21.28	0.134	30.00	-8.72
		3510.00	-2.00	1 / 108	23.22	21.22	0.132	30.00	-8.78
	QPSK	3490.02	-2.00	1 / 108	23.12	21.12	0.129	30.00	-8.88
		3500.01	-2.00	1 / 1	23.13	21.13	0.130	30.00	-8.87
		3510.00	-2.00	1 / 108	23.20	21.20	0.132	30.00	-8.80
16-QAM	3510.00	-2.00	1 / 1	22.09	20.09	0.102	30.00	-9.91	
64-QAM	3500.01	-2.00	1 / 1	21.01	19.01	0.080	30.00	-10.99	
256-QAM	3510.00	-2.00	1 / 1	18.76	16.76	0.047	30.00	-13.24	
90 MHz	π/2 BPSK	3495.00	-2.00	1 / 243	23.24	21.24	0.133	30.00	-8.76
		3500.01	-2.00	1 / 243	23.24	21.24	0.133	30.00	-8.76
		3504.99	-2.00	1 / 120	23.20	21.20	0.132	30.00	-8.80
	QPSK	3495.00	-2.00	1 / 1	23.10	21.10	0.129	30.00	-8.90
		3500.01	-2.00	1 / 120	23.22	21.22	0.133	30.00	-8.78
		3504.99	-2.00	1 / 1	23.14	21.14	0.130	30.00	-8.86
16-QAM	3504.99	-2.00	1 / 1	22.38	20.38	0.109	30.00	-9.62	
64-QAM	3495.00	-2.00	1 / 243	20.88	18.88	0.077	30.00	-11.12	
256-QAM	3500.01	-2.00	1 / 1	18.66	16.66	0.046	30.00	-13.34	
100 MHz	π/2 BPSK	3500.01	-2.00	1 / 1	23.33	21.33	0.136	30.00	-8.67
		3500.01	-2.00	1 / 135	23.22	21.22	0.133	30.00	-8.78
		3500.01	-2.00	1 / 1	22.66	20.66	0.116	30.00	-9.34
	QPSK	3500.01	-2.00	1 / 1	22.66	20.66	0.116	30.00	-9.34
		3500.01	-2.00	1 / 271	21.16	19.16	0.082	30.00	-10.84
		3500.01	-2.00	1 / 1	18.93	16.93	0.049	30.00	-13.07

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	-2.80	1 / 22	23.19	<b>20.39</b>	0.109	30.00	-9.61	
		3840.00	-2.80	1 / 22	23.24	20.44	0.111	30.00	-9.56	
		3975.00	-2.80	1 / 22	22.95	20.15	0.104	30.00	-9.85	
		3705.00	-2.80	1 / 12	23.13	20.33	0.108	30.00	-9.67	
	QPSK	3840.00	-2.80	1 / 12	23.24	20.44	0.111	30.00	-9.56	
		3975.00	-2.80	1 / 22	23.32	<b>20.52</b>	0.113	30.00	-9.48	
		16-QAM	3705.00	-2.80	1 / 12	22.37	19.57	0.091	30.00	-10.43
		64-QAM	3705.00	-2.80	1 / 12	20.84	18.04	0.064	30.00	-11.96
256-QAM	3705.00	-2.80	1 / 12	18.73	15.93	0.039	30.00	-14.07		
15 MHz	π/2 BPSK	3707.51	-2.80	1 / 36	23.42	<b>20.62</b>	0.115	30.00	-9.38	
		3840.00	-2.80	1 / 1	23.10	20.30	0.107	30.00	-9.70	
		3972.50	-2.80	1 / 1	23.29	20.49	0.112	30.00	-9.51	
	QPSK	3707.51	-2.80	1 / 36	23.37	20.57	0.114	30.00	-9.43	
		3840.00	-2.80	1 / 1	23.09	20.29	0.107	30.00	-9.71	
		3972.50	-2.80	1 / 36	23.27	20.47	0.112	30.00	-9.53	
	16-QAM	3972.50	-2.80	1 / 18	22.43	19.63	0.092	30.00	-10.37	
	64-QAM	3707.51	-2.80	1 / 36	21.00	18.20	0.066	30.00	-11.80	
256-QAM	3707.51	-2.80	1 / 1	18.87	16.07	0.040	30.00	-13.93		
20 MHz	π/2 BPSK	3710.01	-2.80	1 / 1	23.37	<b>20.57</b>	0.114	30.00	-9.43	
		3840.00	-2.80	1 / 1	23.10	20.30	0.107	30.00	-9.70	
		3969.99	-2.80	1 / 1	23.25	20.45	0.111	30.00	-9.55	
	QPSK	3710.01	-2.80	1 / 49	23.35	20.55	0.113	30.00	-9.45	
		3840.00	-2.80	1 / 1	23.13	20.33	0.108	30.00	-9.67	
		3969.99	-2.80	1 / 1	23.18	20.38	0.109	30.00	-9.62	
	16-QAM	3710.01	-2.80	1 / 49	22.47	19.67	0.093	30.00	-10.33	
	64-QAM	3710.01	-2.80	1 / 1	21.01	18.21	0.066	30.00	-11.79	
256-QAM	3710.01	-2.80	1 / 25	19.05	16.25	0.042	30.00	-13.75		
30 MHz	π/2 BPSK	3715.02	-2.80	1 / 1	23.31	20.51	0.112	30.00	-9.49	
		3840.00	-2.80	1 / 36	23.18	20.38	0.109	30.00	-9.62	
		3964.98	-2.80	1 / 1	23.33	20.53	0.113	30.00	-9.47	
	QPSK	3715.02	-2.80	1 / 36	23.28	20.48	0.112	30.00	-9.52	
		3840.00	-2.80	1 / 36	23.16	20.36	0.109	30.00	-9.64	
		3964.98	-2.80	1 / 1	23.35	<b>20.55</b>	0.114	30.00	-9.45	
	16-QAM	3964.98	-2.80	1 / 1	22.51	19.71	0.093	30.00	-10.29	
	64-QAM	3964.98	-2.80	1 / 1	20.90	18.10	0.065	30.00	-11.90	
256-QAM	3840.00	-2.80	1 / 76	18.85	16.05	0.040	30.00	-13.95		
40 MHz	π/2 BPSK	3720.00	-2.80	1 / 1	23.40	20.60	0.115	30.00	-9.40	
		3840.00	-2.80	1 / 104	23.31	20.51	0.112	30.00	-9.49	
		3960.00	-2.80	1 / 1	23.43	20.63	0.115	30.00	-9.37	
	QPSK	3720.00	-2.80	1 / 1	23.37	20.57	0.114	30.00	-9.43	
		3840.00	-2.80	1 / 104	23.21	20.41	0.110	30.00	-9.59	
		3960.00	-2.80	1 / 1	23.48	<b>20.68</b>	0.117	30.00	-9.32	
	16-QAM	3960.00	-2.80	1 / 1	22.56	19.76	0.095	30.00	-10.24	
	64-QAM	3960.00	-2.80	1 / 1	21.24	18.44	0.070	30.00	-11.56	
256-QAM	3960.00	-2.80	1 / 50	18.88	16.08	0.041	30.00	-13.92		
50 MHz	π/2 BPSK	3725.01	-2.80	1 / 64	23.27	<b>20.47</b>	0.112	30.00	-9.53	
		3840.00	-2.80	1 / 131	23.12	20.32	0.108	30.00	-9.68	
		3954.99	-2.80	1 / 1	23.18	20.38	0.109	30.00	-9.62	
	QPSK	3725.01	-2.80	1 / 64	23.24	20.44	0.111	30.00	-9.56	
		3840.00	-2.80	1 / 131	23.09	20.29	0.107	30.00	-9.71	
		3954.99	-2.80	1 / 1	23.23	20.43	0.110	30.00	-9.57	
	16-QAM	3954.99	-2.80	1 / 1	22.63	19.83	0.096	30.00	-10.17	
	64-QAM	3725.01	-2.80	1 / 64	20.85	18.05	0.064	30.00	-11.95	
256-QAM	3725.01	-2.80	1 / 64	18.66	15.86	0.039	30.00	-14.14		
60 MHz	π/2 BPSK	3730.02	-2.80	1 / 1	23.21	<b>20.41</b>	0.110	30.00	-9.59	
		3840.00	-2.80	1 / 160	23.09	20.29	0.107	30.00	-9.71	
		3949.98	-2.80	1 / 1	23.13	20.33	0.108	30.00	-9.67	
	QPSK	3730.02	-2.80	1 / 1	23.16	20.36	0.109	30.00	-9.64	
		3840.00	-2.80	1 / 160	23.11	20.31	0.107	30.00	-9.69	
		3949.98	-2.80	1 / 81	23.06	20.26	0.106	30.00	-9.74	
	16-QAM	3840.00	-2.80	1 / 81	22.24	19.44	0.088	30.00	-10.56	
	64-QAM	3949.98	-2.80	1 / 1	20.80	18.00	0.063	30.00	-12.00	
256-QAM	3840.00	-2.80	1 / 160	18.74	15.94	0.039	30.00	-14.06		
70 MHz	π/2 BPSK	3735.00	-2.80	1 / 90	23.26	<b>20.46</b>	0.111	30.00	-9.54	
		3840.00	-2.80	1 / 90	23.05	20.25	0.106	30.00	-9.75	
		3945.00	-2.80	1 / 1	23.25	20.45	0.111	30.00	-9.55	
	QPSK	3735.00	-2.80	1 / 90	23.15	20.35	0.108	30.00	-9.65	
		3840.00	-2.80	1 / 90	23.04	20.24	0.106	30.00	-9.76	
		3945.00	-2.80	1 / 1	23.10	20.30	0.107	30.00	-9.70	
	16-QAM	3735.00	-2.80	1 / 90	22.37	19.57	0.091	30.00	-10.43	
	64-QAM	3735.00	-2.80	1 / 90	20.86	18.06	0.064	30.00	-11.94	
256-QAM	3735.00	-2.80	1 / 90	18.72	15.92	0.039	30.00	-14.08		
80 MHz	π/2 BPSK	3740.01	-2.80	1 / 108	23.24	<b>20.44</b>	0.111	30.00	-9.56	
		3840.00	-2.80	1 / 108	23.12	20.32	0.108	30.00	-9.68	
		3939.99	-2.80	1 / 108	23.19	20.39	0.109	30.00	-9.61	
	QPSK	3740.01	-2.80	1 / 108	23.11	20.31	0.107	30.00	-9.69	
		3840.00	-2.80	1 / 108	23.06	20.26	0.106	30.00	-9.74	
		3939.99	-2.80	1 / 1	23.21	20.41	0.110	30.00	-9.59	
	16-QAM	3939.99	-2.80	1 / 215	22.26	19.46	0.088	30.00	-10.54	
	64-QAM	3740.01	-2.80	1 / 108	20.82	18.02	0.063	30.00	-11.98	
256-QAM	3939.99	-2.80	1 / 108	18.78	15.98	0.040	30.00	-14.02		
90 MHz	π/2 BPSK	3745.02	-2.80	1 / 120	23.21	<b>20.41</b>	0.110	30.00	-9.59	
		3840.00	-2.80	1 / 243	23.20	20.40	0.110	30.00	-9.60	
		3934.98	-2.80	1 / 120	23.21	20.41	0.110	30.00	-9.59	
	QPSK	3745.02	-2.80	1 / 120	23.09	20.29	0.107	30.00	-9.71	
		3840.00	-2.80	1 / 243	23.14	20.34	0.108	30.00	-9.66	
		3934.98	-2.80	1 / 243	23.20	20.40	0.110	30.00	-9.60	
	16-QAM	3934.98	-2.80	1 / 1	22.39	19.59	0.091	30.00	-10.41	
	64-QAM	3745.02	-2.80	1 / 120	20.90	18.10	0.065	30.00	-11.90	
256-QAM	3934.98	-2.80	1 / 1	18.74	15.94	0.039	30.00	-14.06		
100 MHz	π/2 BPSK	3750.00	-2.80	1 / 135	23.13	20.33	0.108	30.00	-9.67	
		3840.00	-2.80	1 / 271	23.32	<b>20.52</b>	0.113	30.00	-9.48	
		3930.00	-2.80	1 / 271	23.17	20.37	0.109	30.00	-9.63	
	QPSK	3750.00	-2.80	1 / 135	23.20	20.40	0.110	30.00	-9.60	
		3840.00	-2.80	1 / 271	23.25	20.45	0.111	30.00	-9.55	
		3930.00	-2.80	1 / 135	23.30	20.50	0.112	30.00	-9.50	
	16-QAM	3930.00	-2.80	1 / 271	22.32	19.52	0.090	30.00	-10.48	
	64-QAM	3930.00	-2.80	1 / 135	20.75	17.95	0.062	30.00	-12.05	
256-QAM	3930.00	-2.80	1 / 135	18.78	15.98	0.040	30.00	-14.02		

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

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 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	π/2 BPSK	3705.00	-2.80	1 / 1	23.20	<b>20.40</b>	0.110	30.00	-9.60
		3840.00	-2.80	1 / 12	23.11	20.31	0.107	30.00	-9.69
		3975.00	-2.80	1 / 12	23.06	20.26	0.106	30.00	-9.74
	QPSK	3705.00	-2.80	1 / 1	23.14	<b>20.34</b>	0.108	30.00	-9.66
		3840.00	-2.80	1 / 12	23.12	20.32	0.108	30.00	-9.68
		3975.00	-2.80	1 / 1	23.05	20.25	0.106	30.00	-9.75
		16-QAM	3705.00	-2.80	1 / 12	22.44	19.64	0.092	30.00
64-QAM	3705.00	-2.80	1 / 12	20.74	17.94	0.062	30.00	-12.06	
256-QAM	3705.00	-2.80	1 / 1	18.65	15.85	0.038	30.00	-14.15	
15 MHz	π/2 BPSK	3707.51	-2.80	1 / 1	23.39	<b>20.59</b>	0.115	30.00	-9.41
		3840.00	-2.80	1 / 36	23.14	20.34	0.108	30.00	-9.66
		3972.50	-2.80	1 / 1	23.33	20.53	0.113	30.00	-9.47
	QPSK	3707.51	-2.80	1 / 1	23.35	20.55	0.113	30.00	-9.45
		3840.00	-2.80	1 / 36	23.15	20.35	0.108	30.00	-9.65
		3972.50	-2.80	1 / 1	23.25	20.45	0.111	30.00	-9.55
		16-QAM	3972.50	-2.80	1 / 18	22.53	19.73	0.094	30.00
64-QAM	3707.51	-2.80	1 / 36	20.94	18.14	0.065	30.00	-11.86	
256-QAM	3707.51	-2.80	1 / 18	18.86	16.06	0.040	30.00	-13.94	
20 MHz	π/2 BPSK	3710.01	-2.80	1 / 1	23.33	<b>20.53</b>	0.113	30.00	-9.47
		3840.00	-2.80	1 / 49	23.18	20.38	0.109	30.00	-9.62
		3969.99	-2.80	1 / 1	23.20	20.40	0.110	30.00	-9.60
	QPSK	3710.01	-2.80	1 / 49	23.33	20.53	0.113	30.00	-9.47
		3840.00	-2.80	1 / 25	23.22	20.42	0.110	30.00	-9.58
		3969.99	-2.80	1 / 1	23.20	20.40	0.110	30.00	-9.60
		16-QAM	3840.00	-2.80	1 / 25	22.40	19.60	0.091	30.00
64-QAM	3710.01	-2.80	1 / 1	21.13	18.33	0.068	30.00	-11.67	
256-QAM	3710.01	-2.80	1 / 1	18.85	16.05	0.040	30.00	-13.95	
30 MHz	π/2 BPSK	3715.02	-2.80	1 / 76	23.33	20.53	0.113	30.00	-9.47
		3840.00	-2.80	1 / 76	23.19	20.39	0.109	30.00	-9.61
		3964.98	-2.80	1 / 1	23.37	20.57	0.114	30.00	-9.43
	QPSK	3715.02	-2.80	1 / 76	23.32	20.52	0.113	30.00	-9.48
		3840.00	-2.80	1 / 76	23.19	20.39	0.109	30.00	-9.61
		3964.98	-2.80	1 / 1	23.39	<b>20.59</b>	0.115	30.00	-9.41
		16-QAM	3715.02	-2.80	1 / 76	22.42	19.62	0.092	30.00
64-QAM	3715.02	-2.80	1 / 76	20.95	18.15	0.065	30.00	-11.85	
256-QAM	3715.02	-2.80	1 / 36	18.99	16.19	0.042	30.00	-13.81	
40 MHz	π/2 BPSK	3720.00	-2.80	1 / 1	23.47	20.67	0.117	30.00	-9.33
		3840.00	-2.80	1 / 104	23.29	20.49	0.112	30.00	-9.51
		3960.00	-2.80	1 / 1	23.50	20.70	0.117	30.00	-9.30
	QPSK	3720.00	-2.80	1 / 1	23.50	<b>20.70</b>	0.117	30.00	-9.30
		3840.00	-2.80	1 / 104	23.27	20.47	0.111	30.00	-9.53
		3960.00	-2.80	1 / 1	23.44	20.64	0.116	30.00	-9.36
		16-QAM	3720.00	-2.80	1 / 104	22.56	19.76	0.095	30.00
64-QAM	3960.00	-2.80	1 / 1	21.23	18.43	0.070	30.00	-11.57	
256-QAM	3720.00	-2.80	1 / 104	18.88	16.08	0.041	30.00	-13.92	
50 MHz	π/2 BPSK	3725.01	-2.80	1 / 64	23.37	<b>20.57</b>	0.114	30.00	-9.43
		3840.00	-2.80	1 / 131	23.20	20.40	0.110	30.00	-9.60
		3954.99	-2.80	1 / 1	23.23	20.43	0.110	30.00	-9.57
	QPSK	3725.01	-2.80	1 / 64	23.20	20.40	0.110	30.00	-9.60
		3840.00	-2.80	1 / 131	23.03	20.23	0.105	30.00	-9.77
		3954.99	-2.80	1 / 1	23.17	20.37	0.109	30.00	-9.63
		16-QAM	3954.99	-2.80	1 / 1	22.47	19.67	0.093	30.00
64-QAM	3725.01	-2.80	1 / 64	20.88	18.08	0.064	30.00	-11.92	
256-QAM	3725.01	-2.80	1 / 1	18.66	15.86	0.039	30.00	-14.14	
60 MHz	π/2 BPSK	3730.02	-2.80	1 / 81	23.22	<b>20.42</b>	0.110	30.00	-9.58
		3840.00	-2.80	1 / 160	23.09	20.29	0.107	30.00	-9.71
		3949.98	-2.80	1 / 81	23.10	20.30	0.107	30.00	-9.70
	QPSK	3730.02	-2.80	1 / 81	23.19	20.39	0.109	30.00	-9.61
		3840.00	-2.80	1 / 160	23.03	20.23	0.106	30.00	-9.77
		3949.98	-2.80	1 / 1	23.16	20.36	0.109	30.00	-9.64
		16-QAM	3730.02	-2.80	1 / 81	22.34	19.54	0.090	30.00
64-QAM	3730.02	-2.80	1 / 81	20.76	17.96	0.063	30.00	-12.04	
256-QAM	3730.02	-2.80	1 / 1	18.70	15.90	0.039	30.00	-14.10	
70 MHz	π/2 BPSK	3735.00	-2.80	1 / 1	23.23	20.43	0.110	30.00	-9.57
		3840.00	-2.80	1 / 90	23.15	20.35	0.108	30.00	-9.65
		3945.00	-2.80	1 / 1	23.28	<b>20.48</b>	0.112	30.00	-9.52
	QPSK	3735.00	-2.80	1 / 1	23.27	20.47	0.111	30.00	-9.53
		3840.00	-2.80	1 / 90	23.04	20.24	0.106	30.00	-9.76
		3945.00	-2.80	1 / 1	23.16	20.36	0.109	30.00	-9.64
		16-QAM	3945.00	-2.80	1 / 1	22.40	19.60	0.091	30.00
64-QAM	3735.00	-2.80	1 / 90	21.00	18.20	0.066	30.00	-11.80	
256-QAM	3735.00	-2.80	1 / 1	18.66	15.86	0.039	30.00	-14.14	
80 MHz	π/2 BPSK	3740.01	-2.80	1 / 108	23.22	20.42	0.110	30.00	-9.58
		3840.00	-2.80	1 / 108	23.14	20.34	0.108	30.00	-9.66
		3939.99	-2.80	1 / 1	23.21	20.41	0.110	30.00	-9.59
	QPSK	3740.01	-2.80	1 / 1	23.13	20.33	0.108	30.00	-9.67
		3840.00	-2.80	1 / 215	23.24	<b>20.44</b>	0.111	30.00	-9.56
		3939.99	-2.80	1 / 1	23.09	20.29	0.107	30.00	-9.71
		16-QAM	3840.00	-2.80	1 / 215	22.09	19.29	0.085	30.00
64-QAM	3939.99	-2.80	1 / 1	20.87	18.07	0.064	30.00	-11.93	
256-QAM	3740.01	-2.80	1 / 108	18.71	15.91	0.039	30.00	-14.09	
90 MHz	π/2 BPSK	3745.02	-2.80	1 / 120	23.40	<b>20.60</b>	0.115	30.00	-9.40
		3840.00	-2.80	1 / 120	23.02	20.22	0.105	30.00	-9.78
		3934.98	-2.80	1 / 120	23.25	20.45	0.111	30.00	-9.55
	QPSK	3745.02	-2.80	1 / 1	23.26	20.46	0.111	30.00	-9.54
		3840.00	-2.80	1 / 243	23.13	20.33	0.108	30.00	-9.67
		3934.98	-2.80	1 / 1	23.15	20.35	0.108	30.00	-9.65
		16-QAM	3745.02	-2.80	1 / 1	22.24	19.44	0.088	30.00
64-QAM	3745.02	-2.80	1 / 1	20.66	17.86	0.061	30.00	-12.14	
256-QAM	3934.98	-2.80	1 / 120	18.75	15.95	0.039	30.00	-14.05	
100 MHz	π/2 BPSK	3750.00	-2.80	1 / 1	23.11	20.31	0.107	30.00	-9.69
		3840.00	-2.80	1 / 271	23.30	20.50	0.112	30.00	-9.50
		3930.00	-2.80	1 / 135	23.16	20.36	0.109	30.00	-9.64
	QPSK	3750.00	-2.80	1 / 1	23.38	<b>20.58</b>	0.114	30.00	-9.42
		3840.00	-2.80	1 / 271	23.08	20.28	0.107	30.00	-9.72
		3930.00	-2.80	1 / 135	23.20	20.40	0.110	30.00	-9.60
		16-QAM	3840.00	-2.80	1 / 271	22.38	19.58	0.091	30.00
64-QAM	3750.00	-2.80	1 / 135	20.80	18.00	0.063	30.00	-12.00	
256-QAM	3930.00	-2.80	1 / 1	18.71	15.91	0.039	30.00	-14.09	

Table 7-17. Antenna 2b EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 248 of 265



## 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

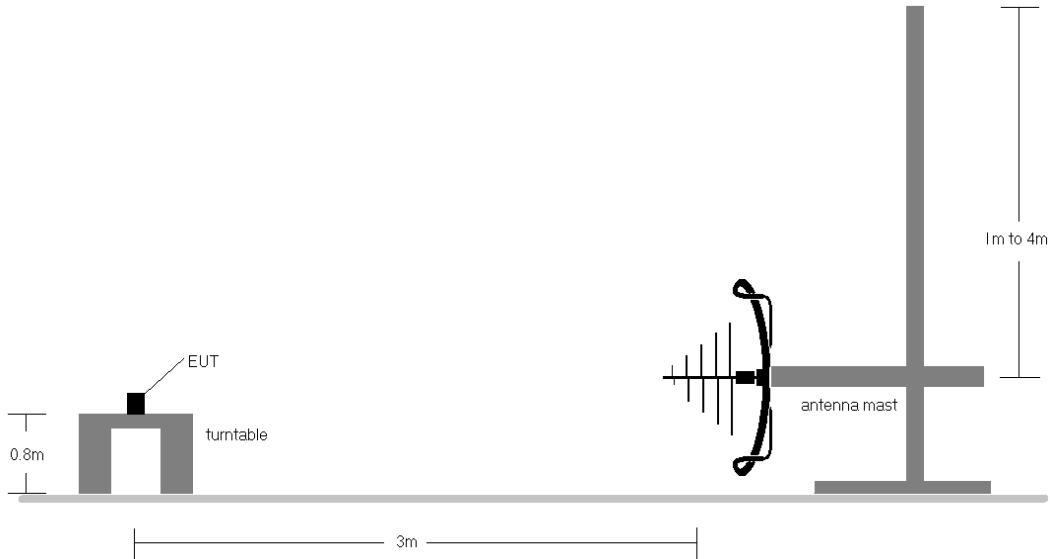
1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW  $\geq$  3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points  $\geq$  2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 249 of 265

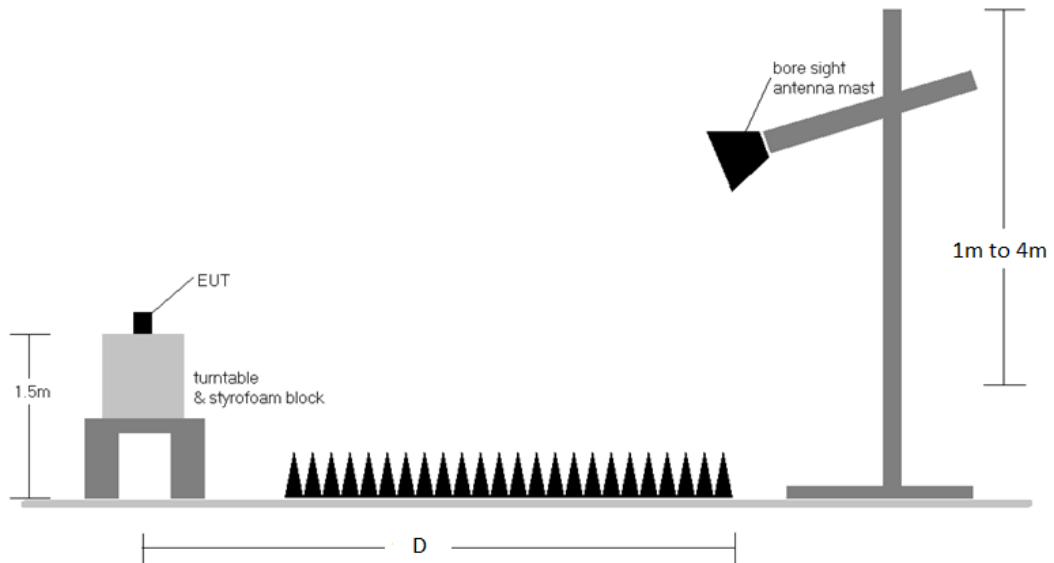
V2.2 09/07/2023

**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**

<p>FCC ID: BCGA2837</p>	<p> PART 27 MEASUREMENT REPORT</p>		<p>Approved by: Technical Manager</p>
<p>Test Report S/N: 1C2311270068-11.BCG</p>	<p>Test Dates: 12/20/2023 - 3/20/2024</p>	<p>EUT Type: Tablet Device</p>	<p>Page 250 of 265</p>

V2.2 09/07/2023

**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.

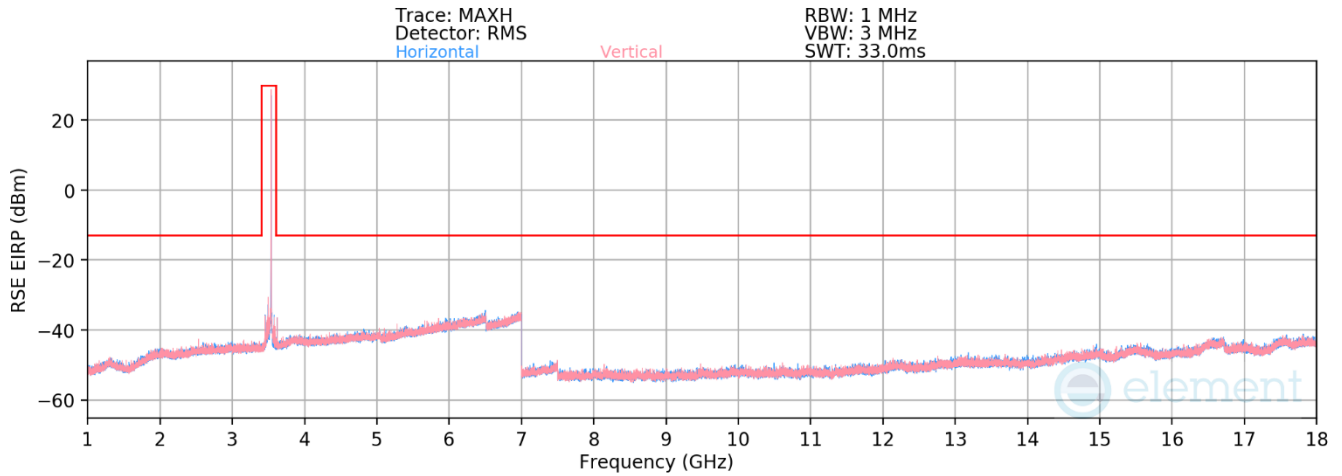
<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-11.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device	Page 251 of 265

V2.2 09/07/2023

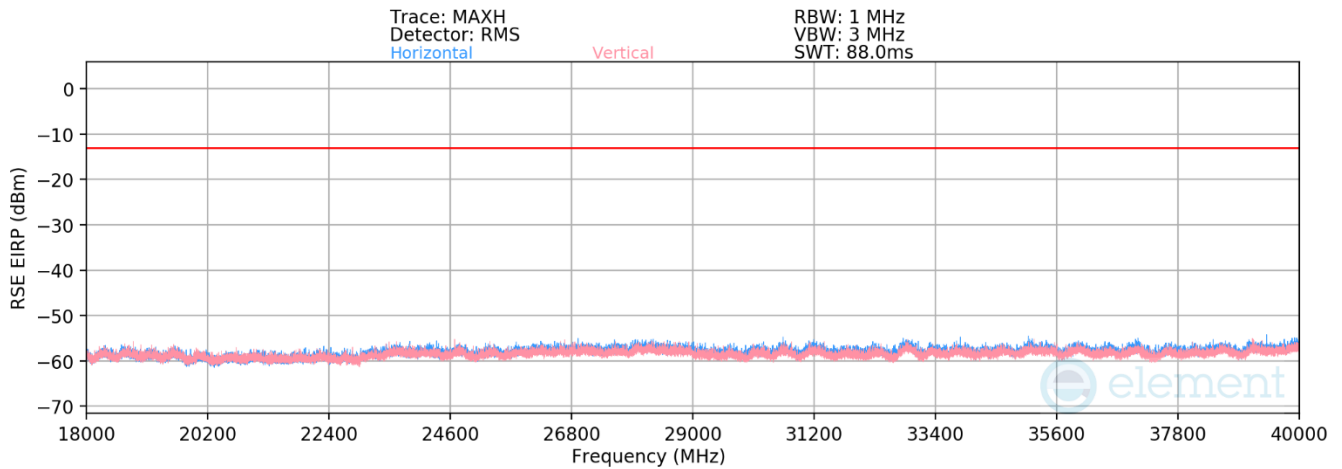


## 7.7.1 Antenna 3 Radiated Spurious Emission Measurements

### 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)**

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 252 of 265

V2.2 09/07/2023

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-78.27	9.01	37.74	-57.52	-13.00	-44.52
10485.0	V	180	160	-76.14	10.41	41.27	-53.98	-13.00	-40.98
13980.0	V	-	-	-80.31	13.40	40.08	-55.17	-13.00	-42.17
17475.0	V	-	-	-81.15	20.01	45.86	-49.39	-13.00	-36.39

**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	V	-	-	-77.81	8.93	38.11	-57.14	-13.00	-44.14
10500.0	V	109	196	-75.56	10.21	41.65	-53.61	-13.00	-40.61
14000.0	V	-	-	-80.53	13.25	39.72	-55.54	-13.00	-42.54
17500.0	V	-	-	-81.45	20.81	46.37	-48.89	-13.00	-35.89

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

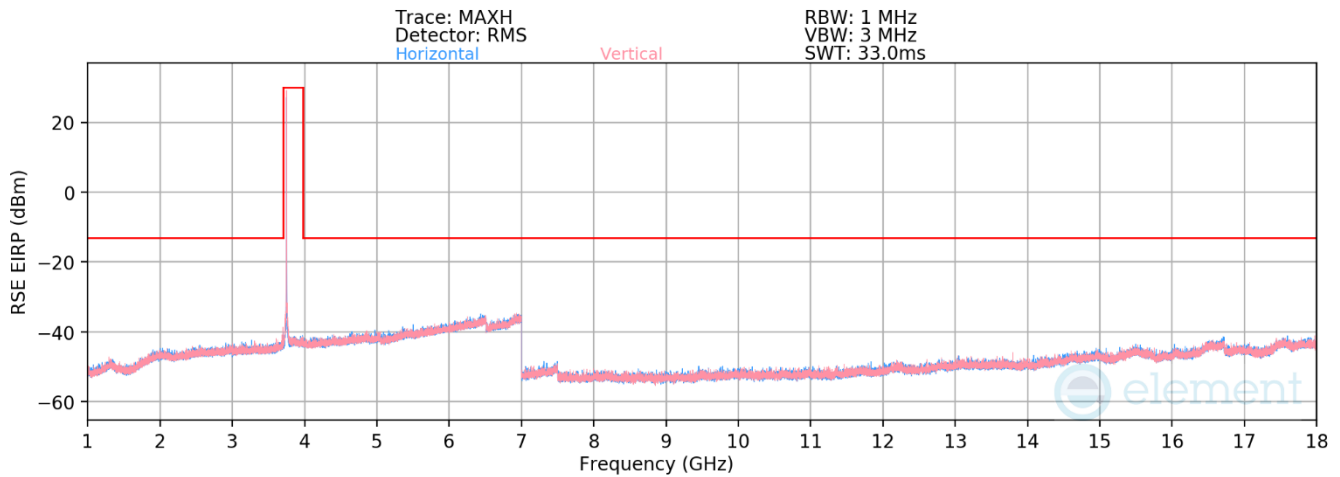
Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 238

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	V	-	-	-77.64	8.85	38.21	-57.04	-13.00	-44.04
10515.0	V	102	157	-75.66	9.99	41.32	-53.93	-13.00	-40.93
14020.0	V	-	-	-80.57	13.12	39.55	-55.71	-13.00	-42.71
17525.0	V	-	-	-81.53	21.34	46.80	-48.45	-13.00	-35.45

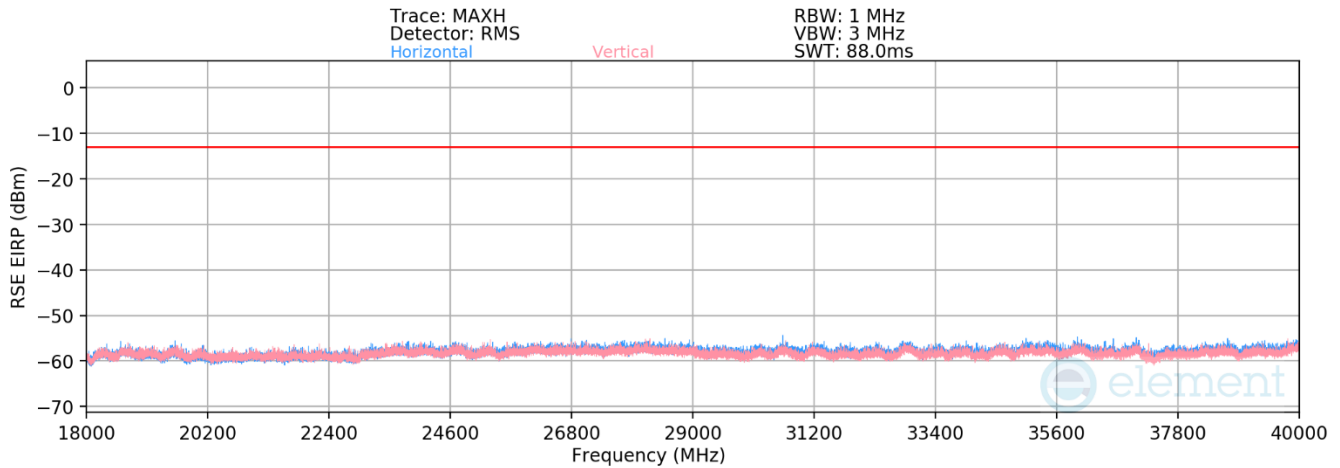
**Table 7-20. Antenna 3 Radiated Spurious Data (NR Band n77 DoD Band – High Channel)**

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 253 of 265


## 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: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 254 of 265

V2.2 09/07/2023

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-78.06	9.50	38.44	-56.82	-13.00	-43.82
11250.0	V	146	170	-72.32	10.37	45.05	-50.21	-13.00	-37.21
15000.0	V	-	-	-80.50	14.97	41.47	-53.79	-13.00	-40.79

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-79.19	9.29	37.10	-58.16	-13.00	-45.16
11520.0	V	-	-	-79.48	10.86	38.38	-56.88	-13.00	-43.88
15360.0	V	-	-	-80.49	15.37	41.88	-53.38	-13.00	-40.38

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-79.29	9.40	37.11	-58.15	-13.00	-45.15
11790.0	V	-	-	-79.92	11.56	38.64	-56.61	-13.00	-43.61
15720.0	V	-	-	-80.36	15.01	41.65	-53.61	-13.00	-40.61

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

<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-11.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
		Page 255 of 265

## 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-78.11	9.01	37.90	-57.36	-13.00	-44.36
10485.0	V	-	-	-79.19	10.33	38.13	-57.12	-13.00	-44.12
13980.0	V	-	-	-80.59	13.40	39.80	-55.45	-13.00	-42.45

**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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	-	-	-77.76	8.93	38.17	-57.09	-13.00	-44.09
10500.0	V	-	-	-79.52	10.21	37.69	-57.57	-13.00	-44.57
14000.0	V	-	-	-80.60	13.42	39.81	-55.44	-13.00	-42.44

**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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-77.85	8.94	38.10	-57.16	-13.00	-44.16
10515.0	V	-	-	-79.30	10.48	38.18	-57.08	-13.00	-44.08
14020.0	V	-	-	-80.51	13.12	39.61	-55.65	-13.00	-42.65

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

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 256 of 265

V2.2 09/07/2023

## 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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-77.43	8.93	38.50	-56.75	-13.00	-43.75
11250.0	V	-	-	-79.51	10.43	37.92	-57.34	-13.00	-44.34
15000.0	V	-	-	-80.22	14.97	41.75	-53.51	-13.00	-40.51

**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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-79.12	9.29	37.17	-58.08	-13.00	-45.08
11520.0	V	-	-	-79.34	10.86	38.53	-56.73	-13.00	-43.73
15360.0	V	-	-	-80.25	15.37	42.12	-53.13	-13.00	-40.13

**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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-79.29	9.40	37.11	-58.15	-13.00	-45.15
11790.0	V	-	-	-79.87	11.56	38.70	-56.56	-13.00	-43.56
15720.0	V	-	-	-80.20	15.01	41.81	-53.45	-13.00	-40.45

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

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 257 of 265

V2.2 09/07/2023

## 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	V	-	-	-78.26	10.30	39.03	-56.23	-13.00	-43.23
10485.0	V	-	-	-78.01	12.45	41.44	-53.82	-13.00	-40.82
13980.0	V	-	-	-80.00	15.60	42.61	-52.65	-13.00	-39.65

**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	V	-	-	-77.75	10.27	39.52	-55.74	-13.00	-42.74
10500.0	V	-	-	-78.43	12.40	40.97	-54.28	-13.00	-41.28
14000.0	V	-	-	-79.57	15.61	43.03	-52.23	-13.00	-39.23

**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	V	-	-	-77.86	10.27	39.41	-55.85	-13.00	-42.85
10515.0	V	-	-	-78.66	12.63	40.97	-54.29	-13.00	-41.29
14020.0	V	-	-	-79.77	15.59	42.82	-52.44	-13.00	-39.44

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

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 258 of 265

## 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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-78.08	9.87	38.78	-56.47	-13.00	-43.47
11250.0	V	-	-	-78.42	13.02	41.60	-53.66	-13.00	-40.66
15000.0	V	-	-	-79.96	17.67	44.71	-50.55	-13.00	-37.55

**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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-77.70	3.77	33.07	-62.19	-13.00	-49.19
11520.0	V	-	-	-78.24	7.42	36.19	-59.07	-13.00	-46.07
15360.0	V	-	-	-80.17	11.59	38.42	-56.84	-13.00	-43.84

**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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-77.58	3.86	33.28	-61.98	-13.00	-48.98
11790.0	V	-	-	-78.85	7.91	36.06	-59.19	-13.00	-46.19
15720.0	V	-	-	-81.25	13.10	38.85	-56.41	-13.00	-43.41

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

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 259 of 265

V2.2 09/07/2023



## 7.7.4 Antenna 2b Radiated Spurious Emission Measurements

### NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-78.24	4.74	33.49	-61.76	-13.00	-48.76
10485.0	V	-	-	-78.04	6.11	35.07	-60.19	-13.00	-47.19
13980.0	V	-	-	-80.15	9.79	36.64	-58.61	-13.00	-45.61

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	-	-	-78.15	4.98	33.83	-61.43	-13.00	-48.43
10500.0	V	-	-	-78.36	6.64	35.28	-59.98	-13.00	-46.98
14000.0	V	-	-	-79.41	9.56	37.15	-58.11	-13.00	-45.11

**Table 7-37. Antenna 2b Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-77.87	4.84	33.98	-61.28	-13.00	-48.28
10515.0	V	-	-	-78.76	6.49	34.73	-60.53	-13.00	-47.53
14020.0	V	-	-	-79.76	9.54	36.78	-58.48	-13.00	-45.48

**Table 7-38. Antenna 2b Radiated Spurious Data (NR Band n77 DoD Band – High Channel)**

<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-11.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
		Page 260 of 265

## NR Band n77 C Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-78.23	4.37	33.13	-62.12	-13.00	-49.12
11250.0	V	-	-	-78.35	7.03	35.69	-59.57	-13.00	-46.57
15000.0	V	-	-	-79.67	11.20	38.54	-56.72	-13.00	-43.72

**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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-77.91	3.91	33.00	-62.26	-13.00	-49.26
11520.0	V	-	-	-78.33	7.40	36.07	-59.19	-13.00	-46.19
15360.0	V	-	-	-80.31	11.60	38.30	-56.96	-13.00	-43.96

**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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-77.61	3.86	33.26	-62.00	-13.00	-49.00
11790.0	V	-	-	-78.93	8.04	36.11	-59.15	-13.00	-46.15
15720.0	V	-	-	-81.41	13.21	38.80	-56.46	-13.00	-43.46

**Table 7-41. Antenna 2b Radiated Spurious Data (NR Band n77 C Band – High Channel)**

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 261 of 265

## 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

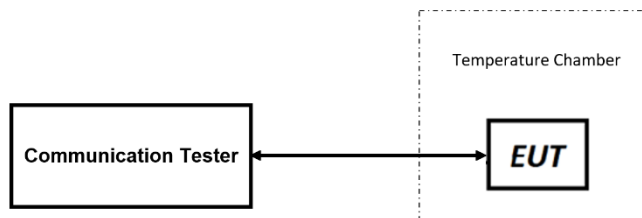
ANSI C63.26-2015

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.

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 262 of 265

V2.2 09/07/2023


Frequency Stability / Temperature Variation

NR Band n77 (3450-3550MHz)				
		Operating Band Lower Boundary (GHz)	3.4500	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.45003038	-0.00003038
		- 20	3.45099087	-0.00099087
		- 10	3.45036643	-0.00036643
		0	3.45061039	-0.00061039
		+ 10	3.45041835	-0.00041835
		+ 20 (Ref)	3.45071886	-0.00071886
		+ 30	3.45062274	-0.00062274
		+ 40	3.45067454	-0.00067454
		+ 50	3.45092655	-0.00092655
Battery Endpoint	3.40	+ 20	3.45044685	-0.00044685

Table 7-42. NR Band n77 DoD Band Lower Boundary Frequency Stability Data

NR Band n77 (3450-3550MHz)				
		Operating Band Upper Boundary (GHz)	3.5500	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.54937741	-0.00062259
		- 20	3.54952104	-0.00047896
		- 10	3.54974849	-0.00025151
		0	3.54965253	-0.00034747
		+ 10	3.54975525	-0.00024475
		+ 20 (Ref)	3.54964223	-0.00035777
		+ 30	3.54945480	-0.00054520
		+ 40	3.54995974	-0.00004026
		+ 50	3.54900403	-0.00099597
Battery Endpoint	3.40	+ 20	3.54910060	-0.00089940

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

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 263 of 265


### Frequency Stability / Temperature Variation

NR Band n77 (3700-3980MHz)				
Operating Band Lower Boundary (GHz)			3.700	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.70000606	-0.00000606
		- 20	3.70059876	-0.00059876
		- 10	3.70089129	-0.00089129
		0	3.70072501	-0.00072501
		+ 10	3.70007959	-0.00007959
		+ 20 (Ref)	3.70009865	-0.00009865
		+ 30	3.70046872	-0.00046872
		+ 40	3.70073017	-0.00073017
		+ 50	3.70088944	-0.00088944
Battery Endpoint	3.40	+ 20	3.70079593	-0.00079593

Table 7-44. NR Band n77 C-Band Lower Boundary Frequency Stability Data


NR Band n77 (3700-3980MHz)				
Operating Band Upper Boundary (GHz)			3.980	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.97913898	-0.00086102
		- 20	3.97976780	-0.00023220
		- 10	3.97904141	-0.00095859
		0	3.97932549	-0.00067451
		+ 10	3.97970543	-0.00029457
		+ 20 (Ref)	3.97911420	-0.00088580
		+ 30	3.97991946	-0.00008054
		+ 40	3.97967075	-0.00032925
		+ 50	3.97939461	-0.00060539
Battery Endpoint	3.40	+ 20	3.97902018	-0.00097982

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

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-11.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
		Page 264 of 265

## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA2837** complies with all the requirements of Part 27 of the FCC rules.

<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-11.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
		Page 265 of 265

V2.2 09/07/2023