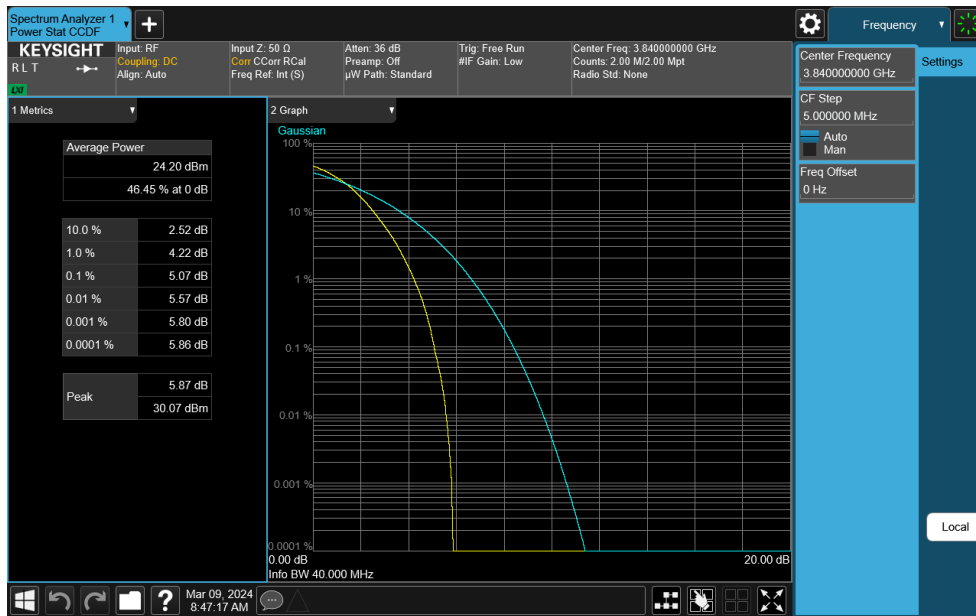
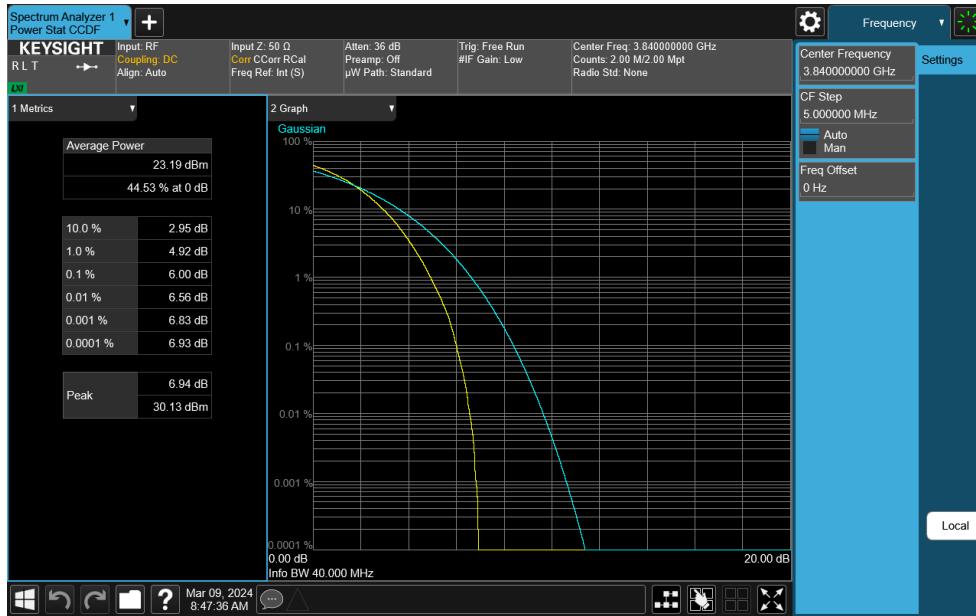


Plot 7-380. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

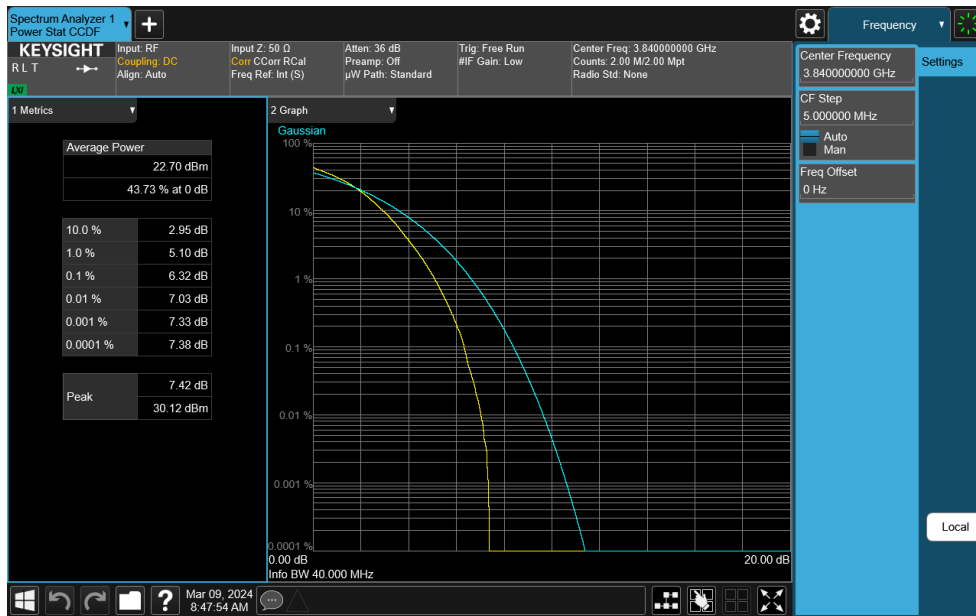


Plot 7-381. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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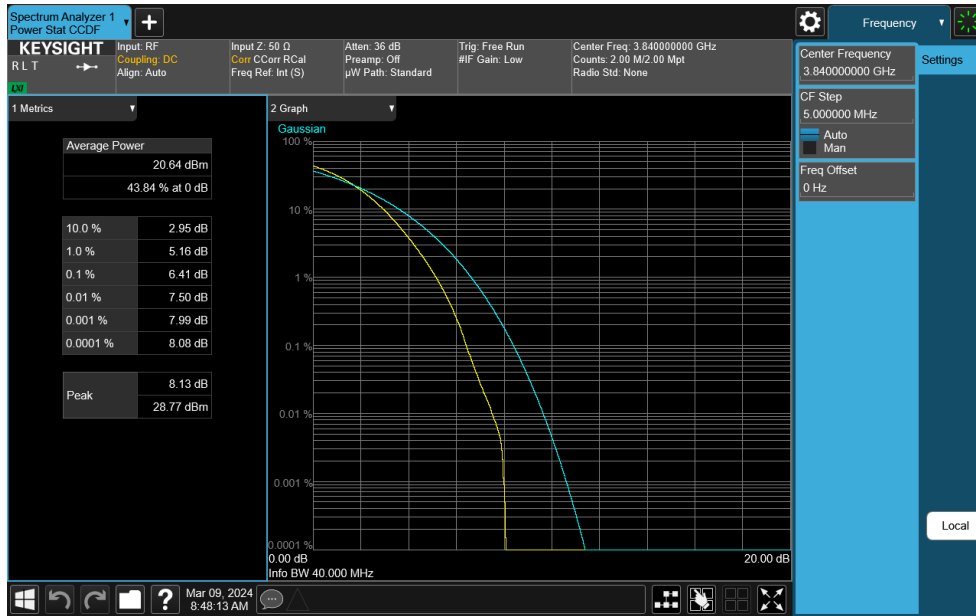


Plot 7-382. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 16-QAM - Full RB)

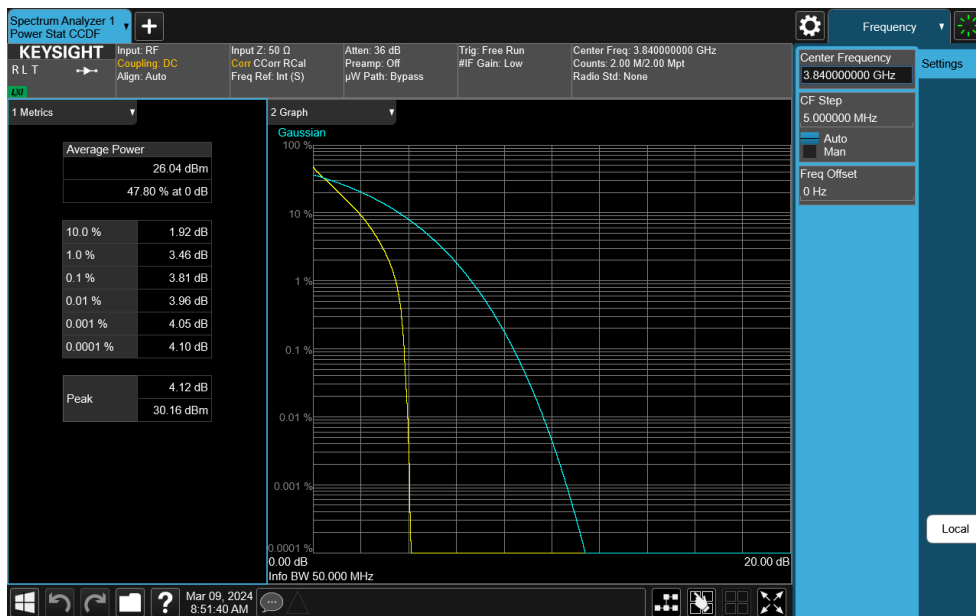


Plot 7-383. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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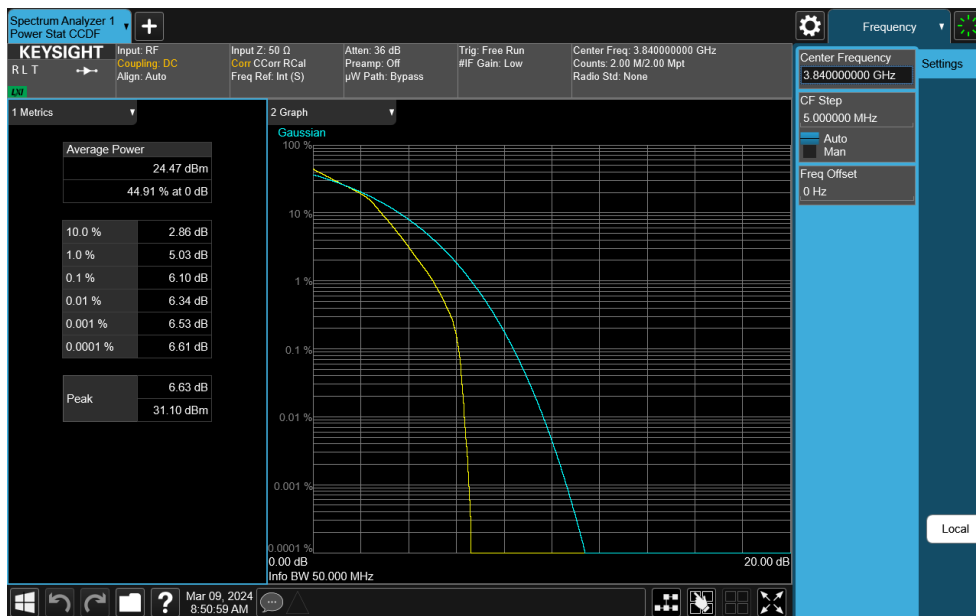
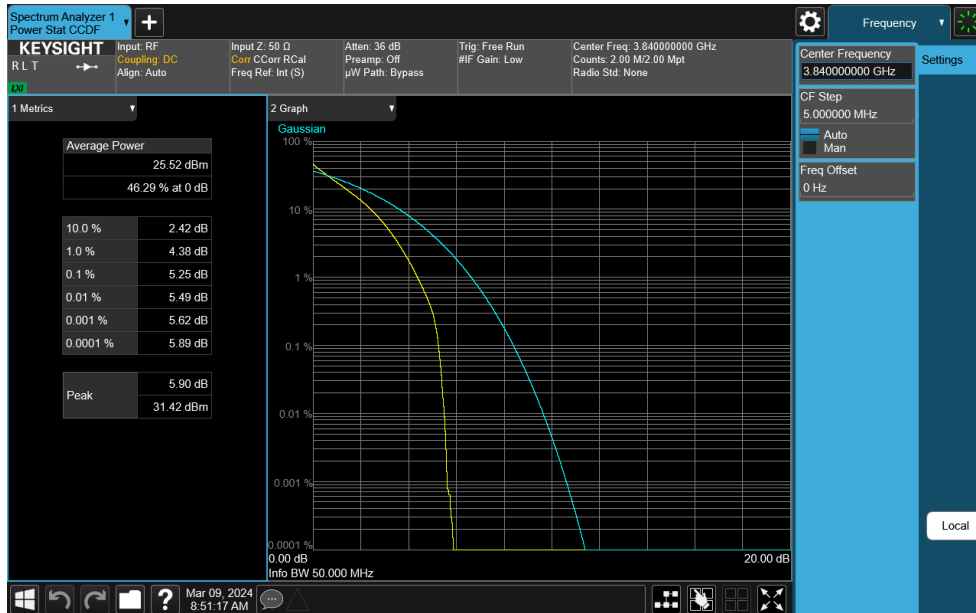


Plot 7-384. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 256-QAM - Full RB)

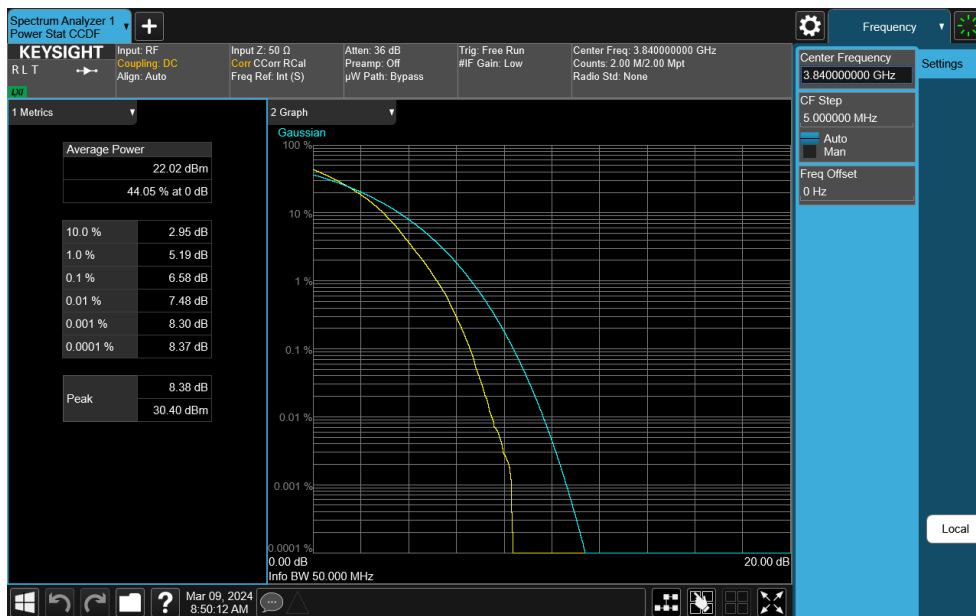
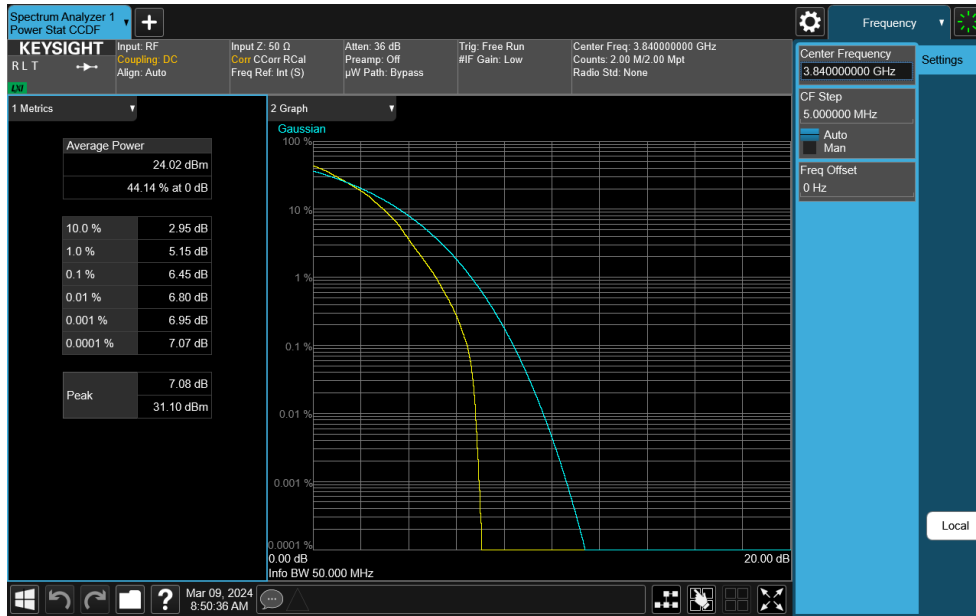


Plot 7-385. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

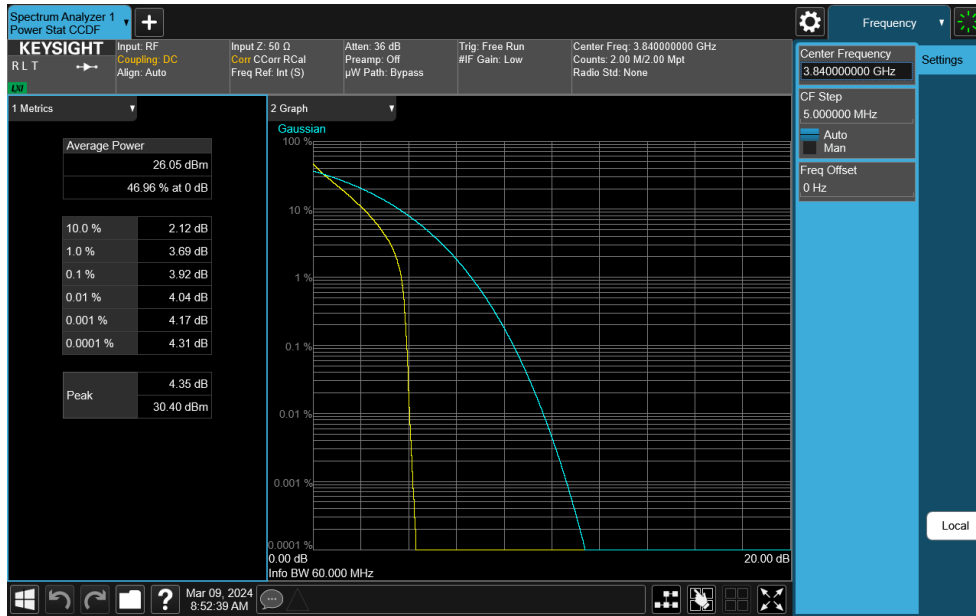
FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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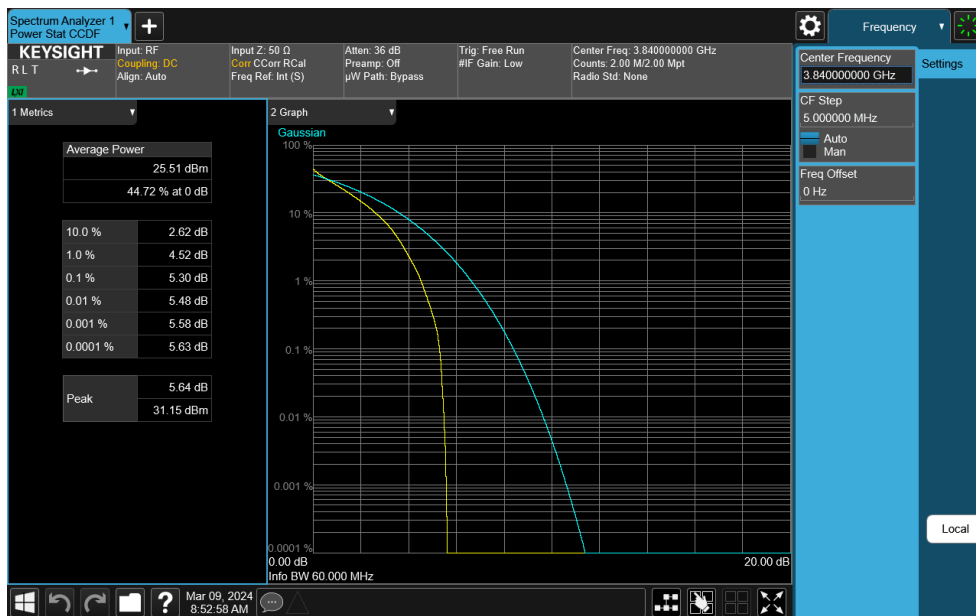
FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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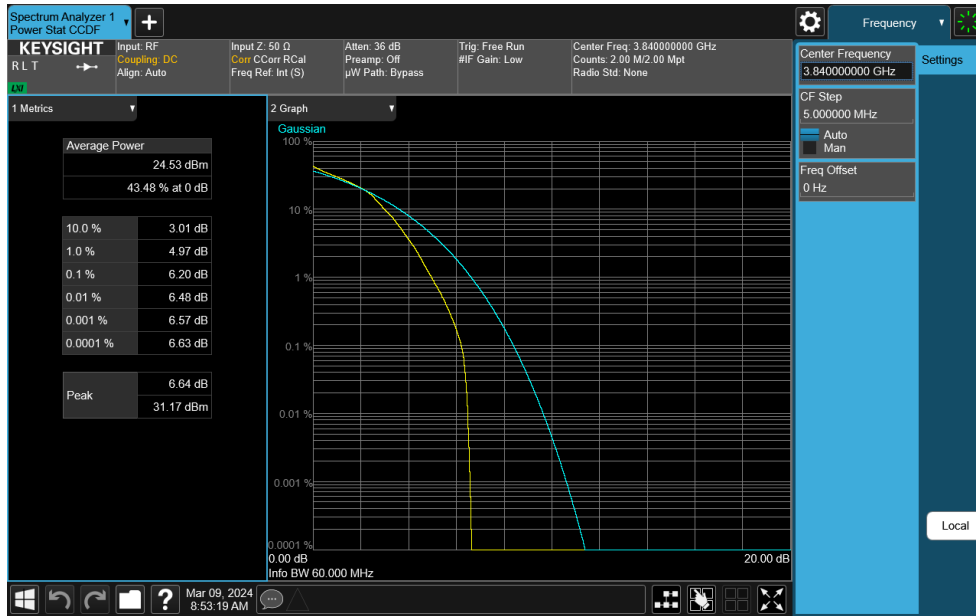


Plot 7-390. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

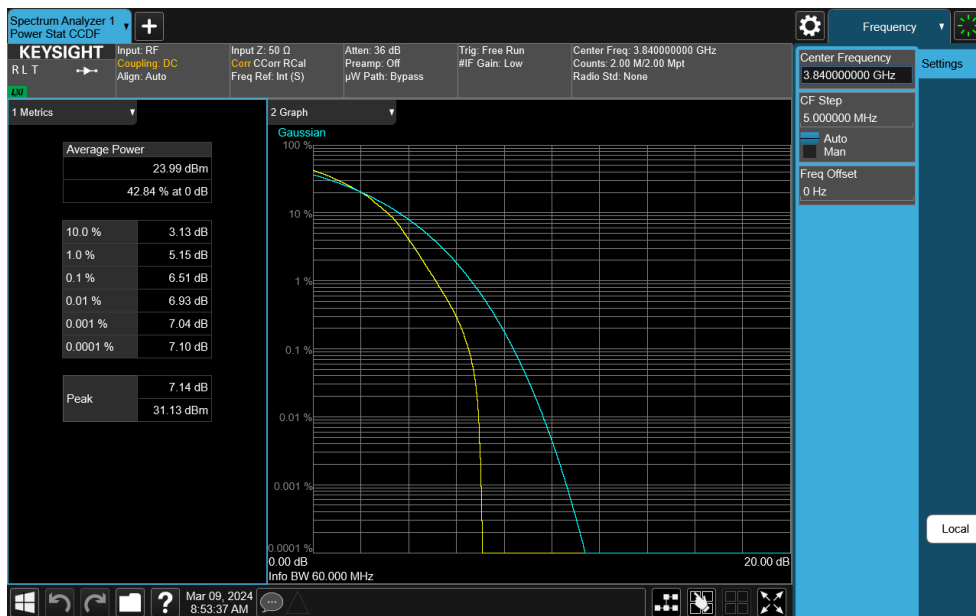


Plot 7-391. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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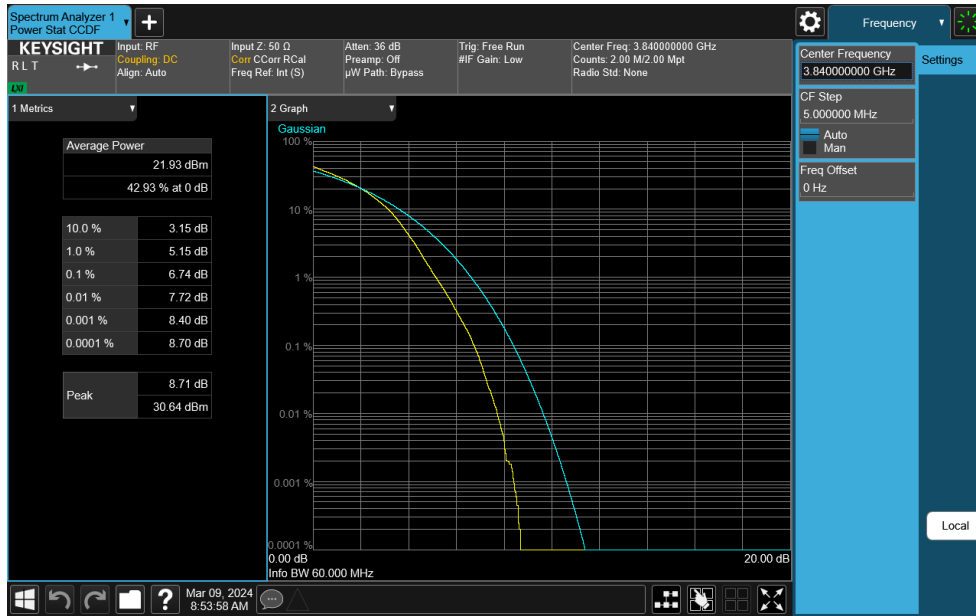


Plot 7-392. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 16-QAM - Full RB)

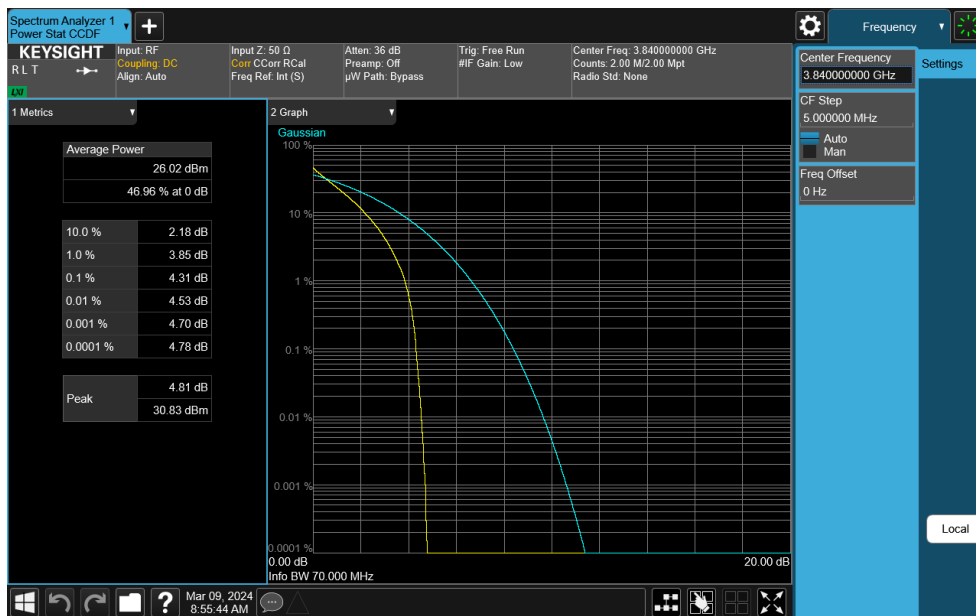


Plot 7-393. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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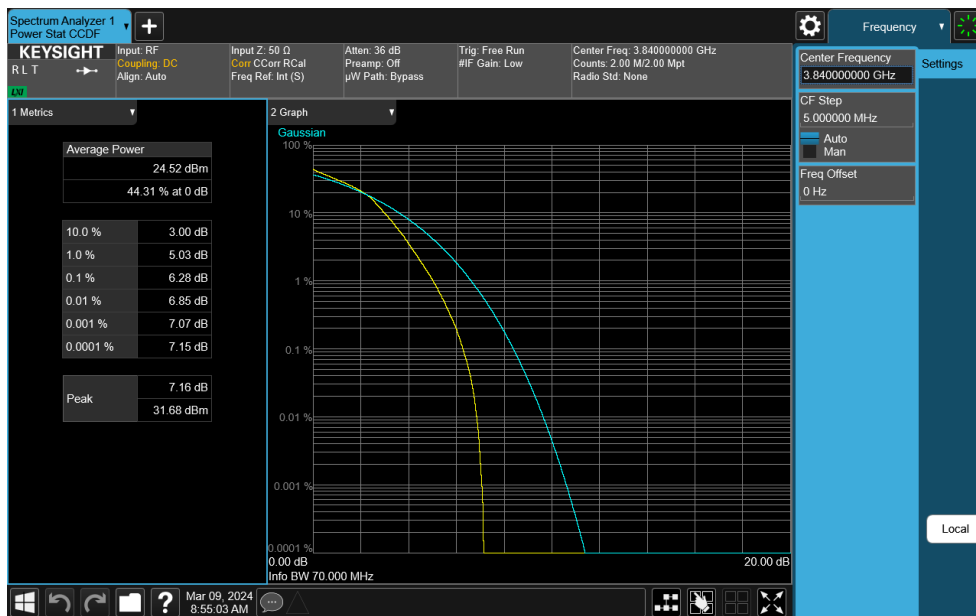
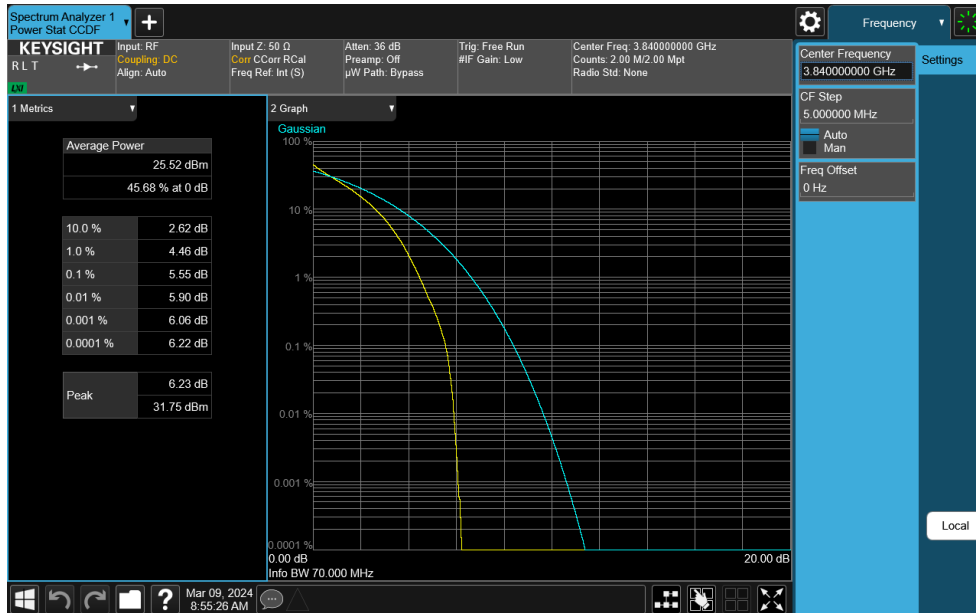


Plot 7-394. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 256-QAM - Full RB)

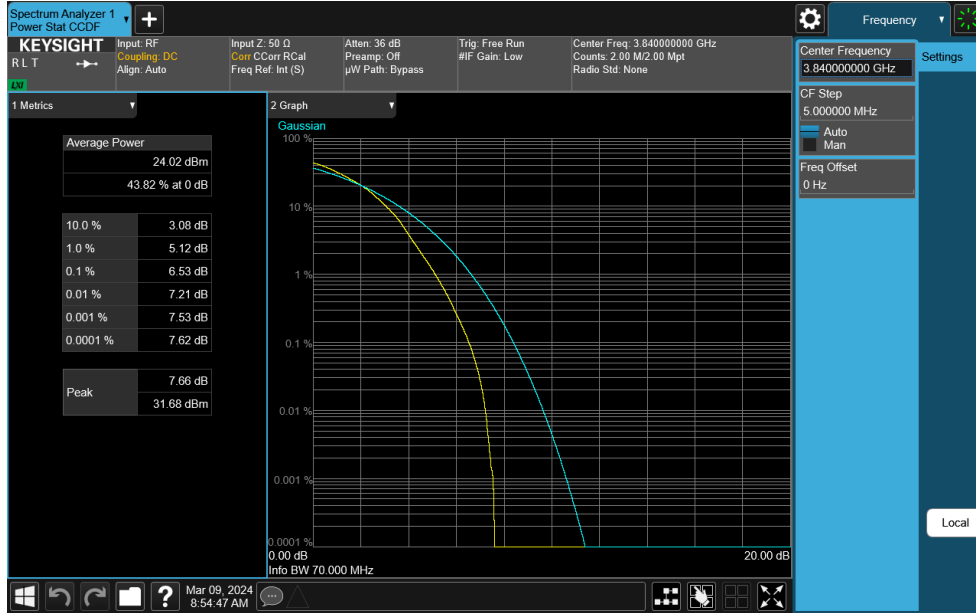


Plot 7-395. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

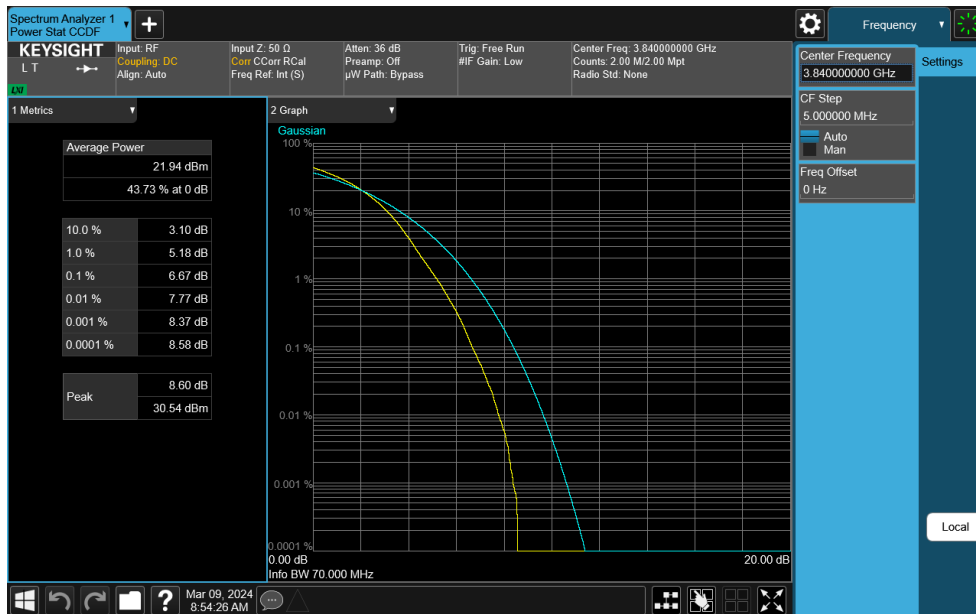
FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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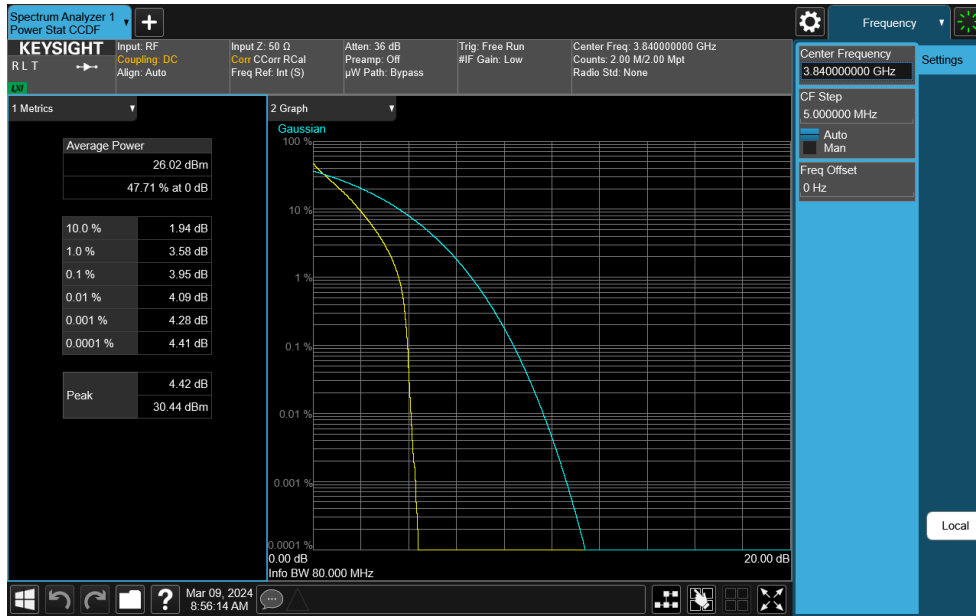


Plot 7-398. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 64-QAM - Full RB)

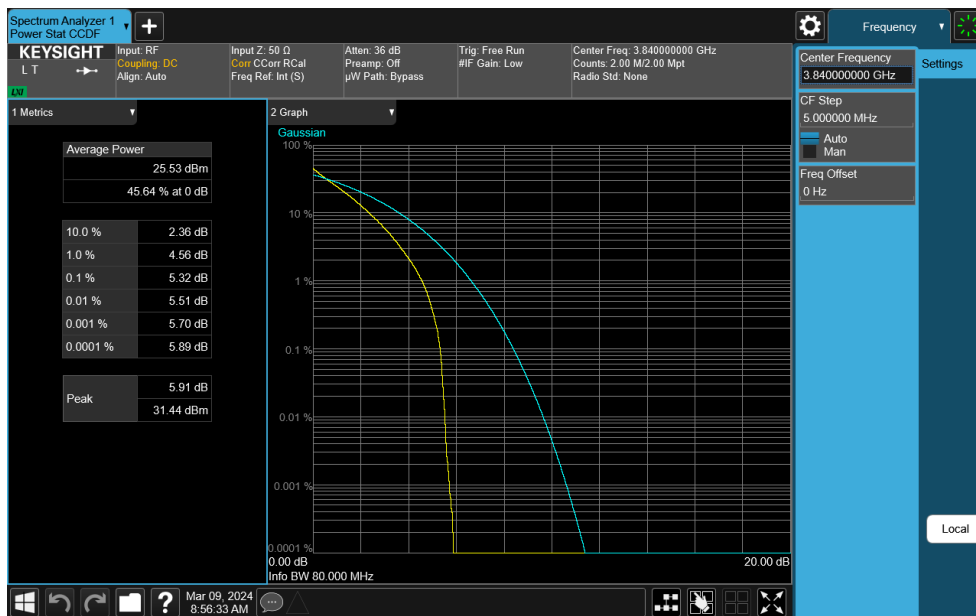


Plot 7-399. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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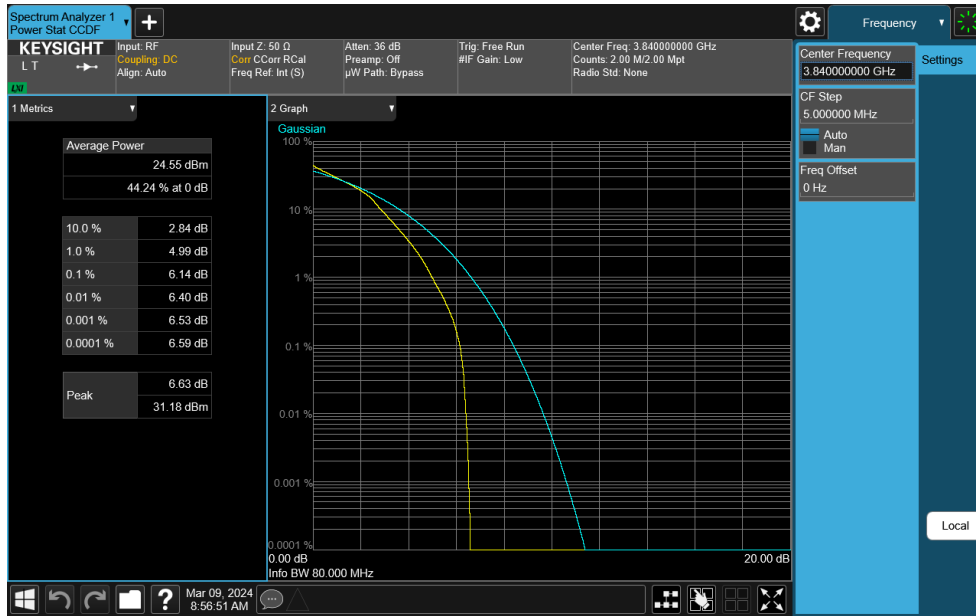


Plot 7-400. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

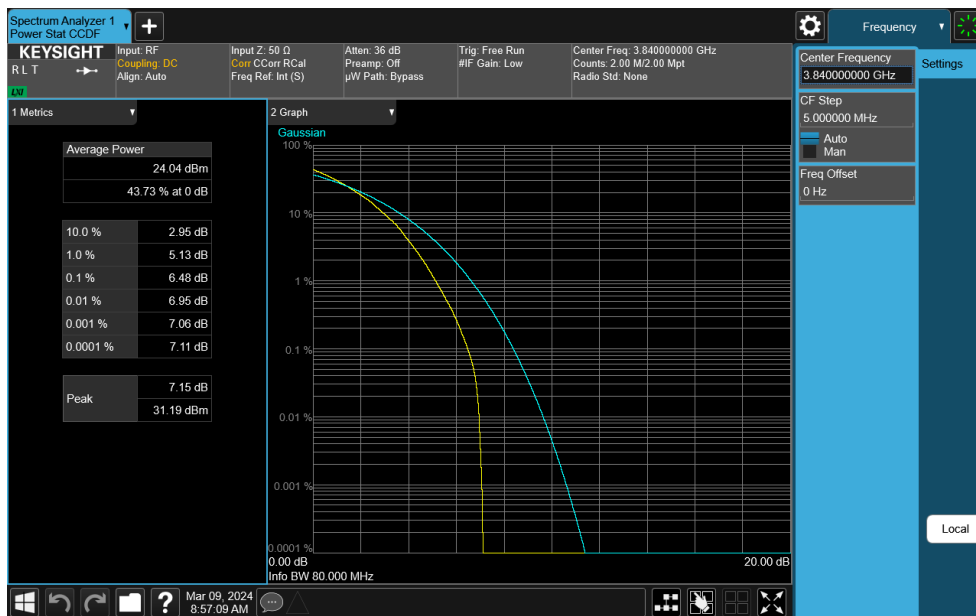


Plot 7-401. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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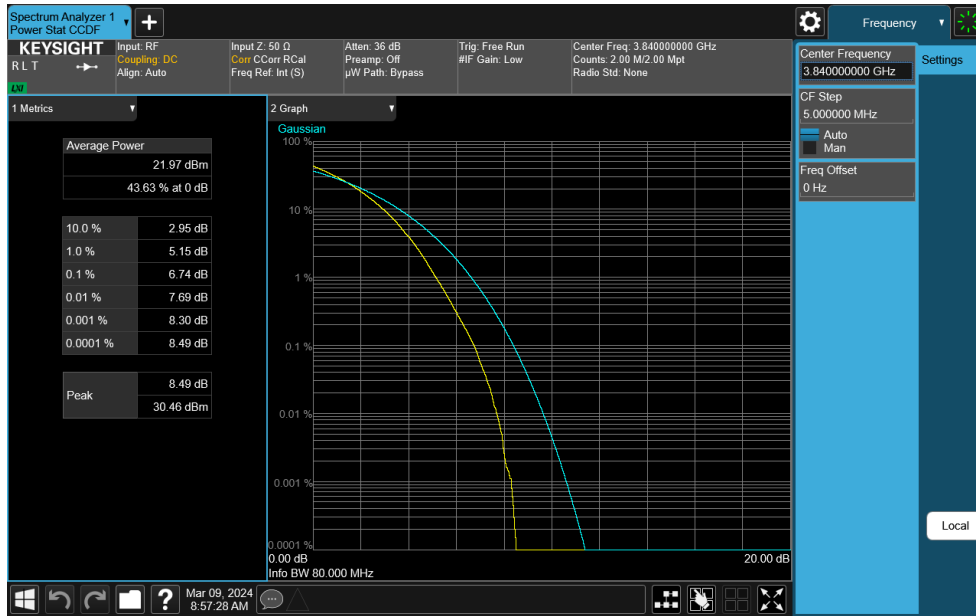


Plot 7-402. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 16-QAM - Full RB)

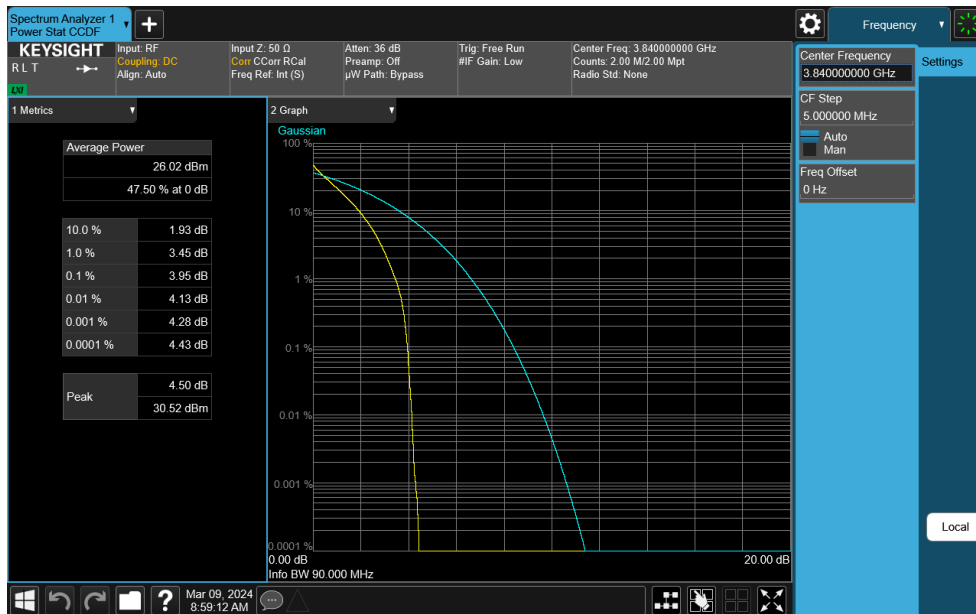


Plot 7-403. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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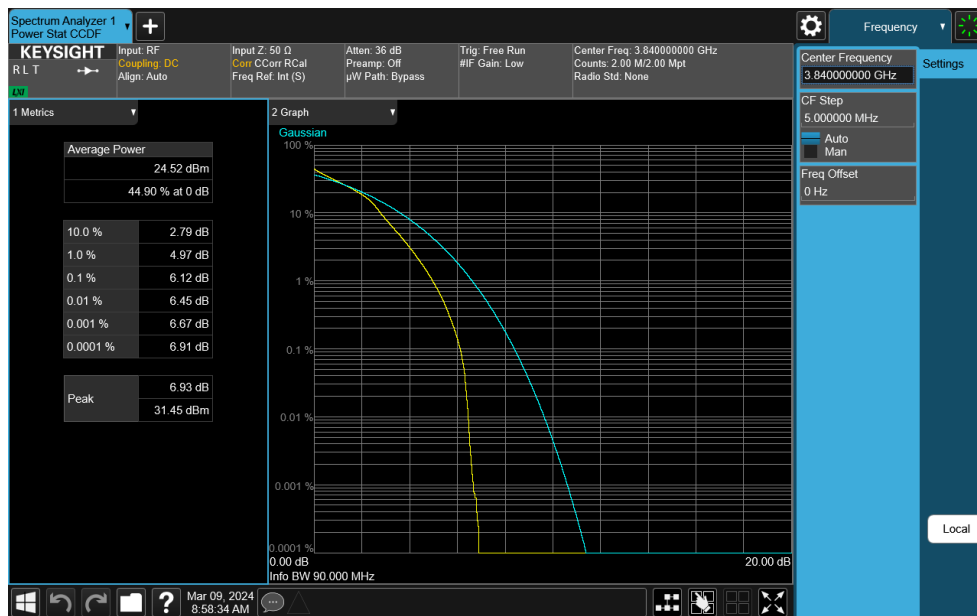
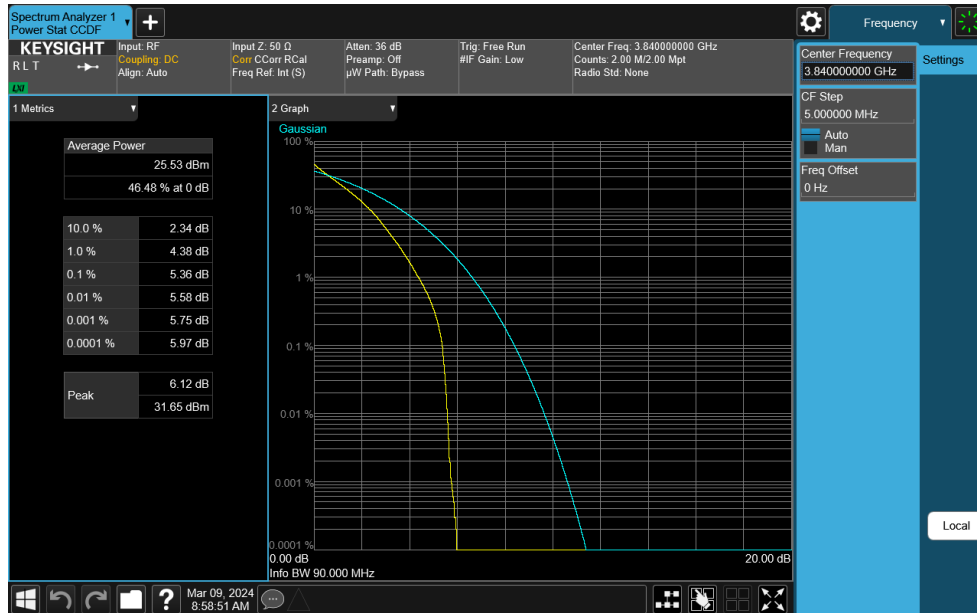


Plot 7-404. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)

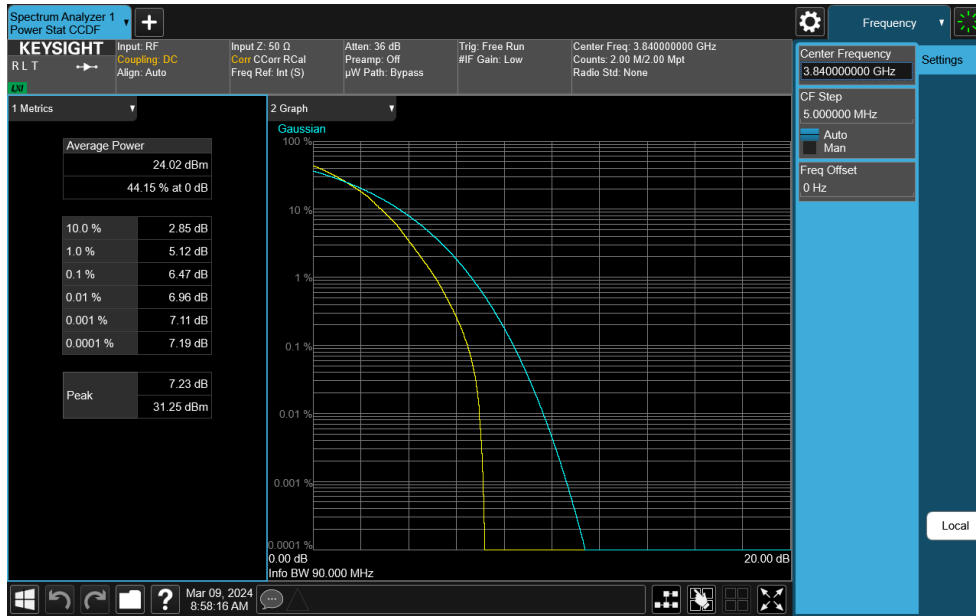


Plot 7-405. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

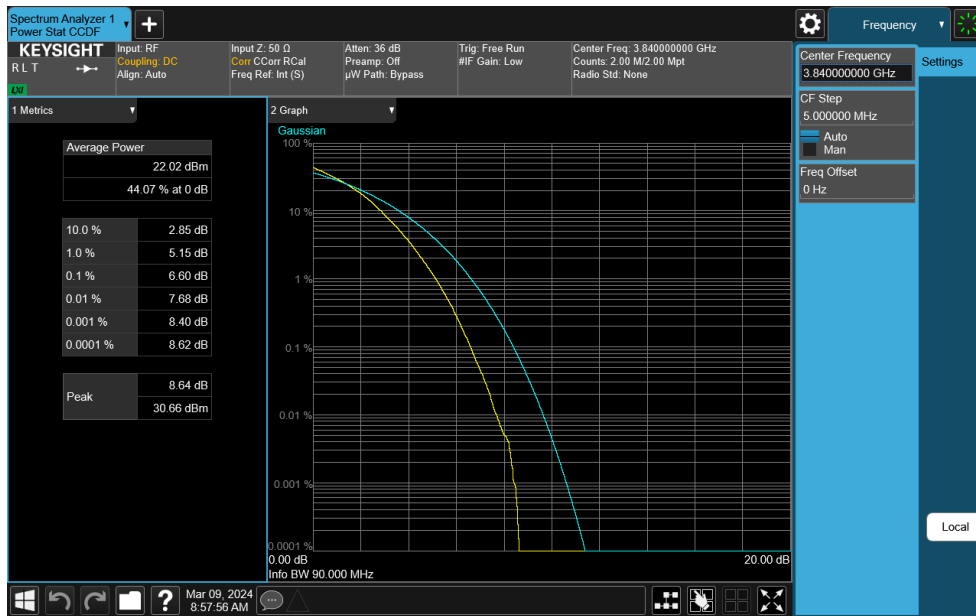
FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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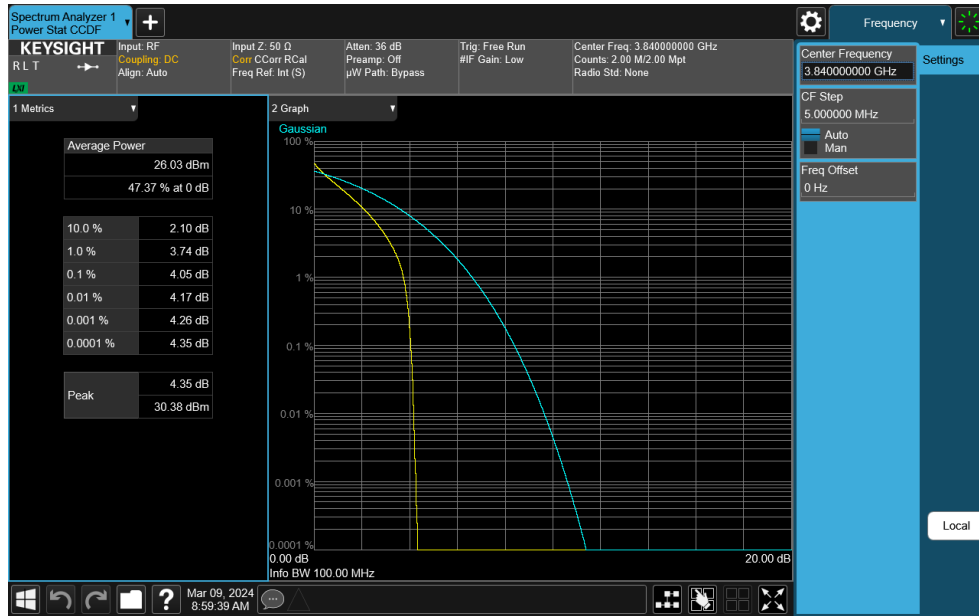


Plot 7-408. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)

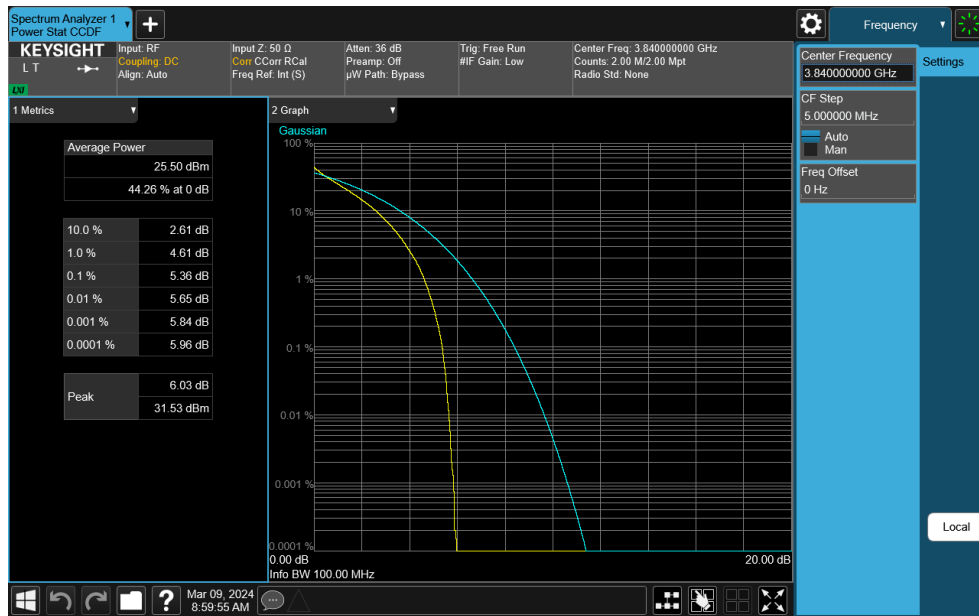


Plot 7-409. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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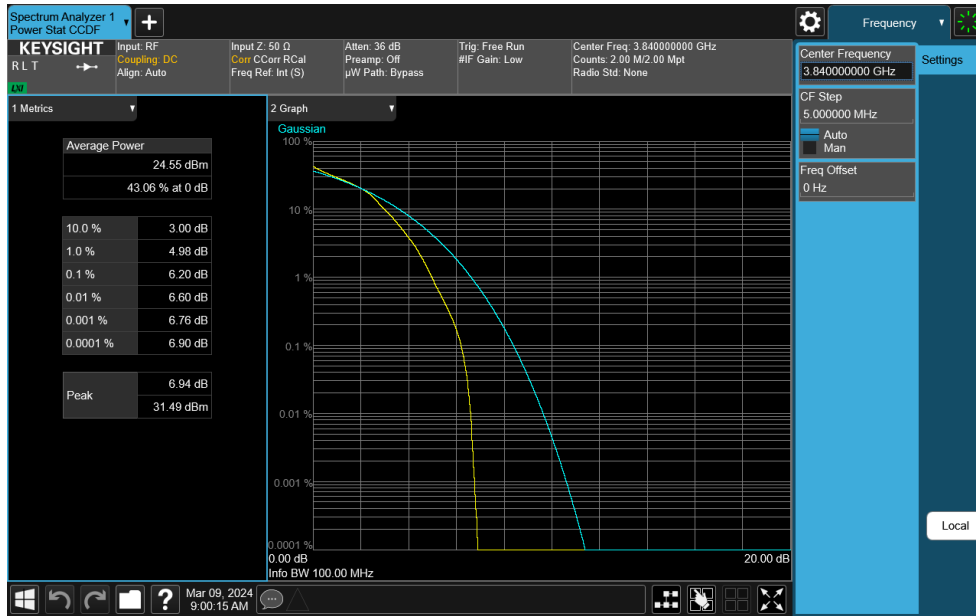


Plot 7-410. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

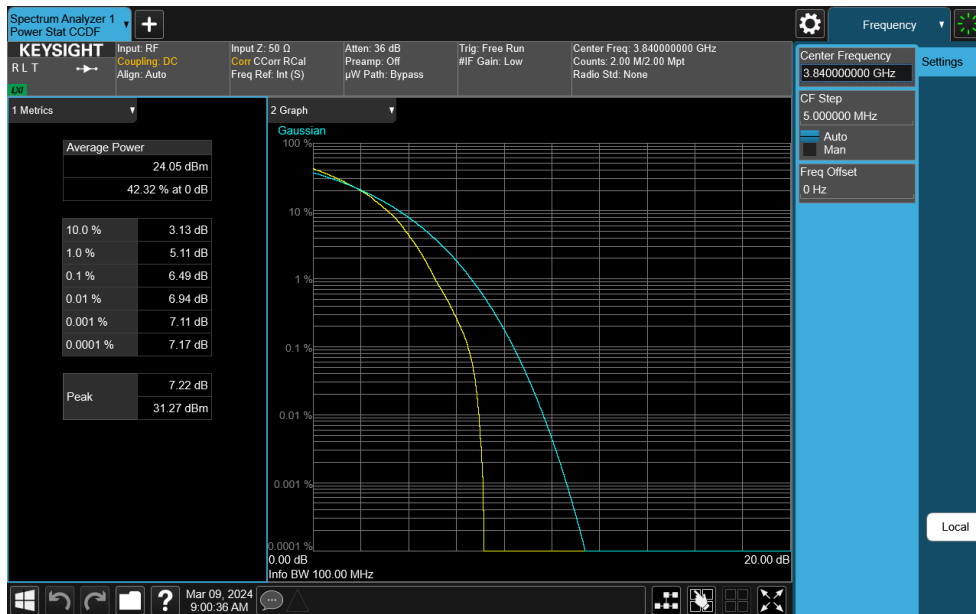


Plot 7-411. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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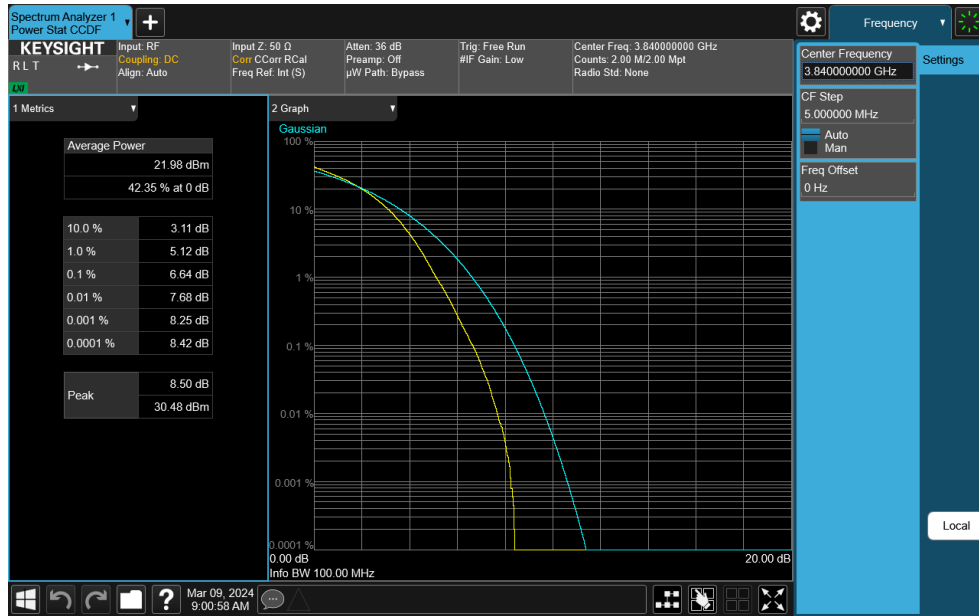


Plot 7-412. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 16-QAM - Full RB)




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

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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Plot 7-414. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.6 Radiated Power (EIRP)

§27.50(j)(3), §27.50(k)(3)

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

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

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

Where:

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

P_{Meas} = measured transmitter output power or PSD, in dBW or dBm

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

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

Test Setup

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

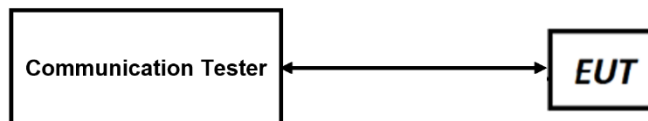



Figure 7-5. EIRP Measurement Setup

Test Notes

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.6.1 Antenna 3a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.40	1 / 12	27.45	28.85	0.767	30.00	-1.15
		3500.01	1.40	1 / 1	27.45	28.85	0.767	30.00	-1.15
		3544.98	1.40	1 / 12	27.50	28.90	0.776	30.00	-1.10
	QPSK	3455.01	1.40	1 / 22	27.26	28.66	0.735	30.00	-1.34
		3500.01	1.40	1 / 12	27.15	28.55	0.716	30.00	-1.45
		3544.98	1.40	1 / 22	27.24	28.64	0.731	30.00	-1.36
	16-QAM	3500.01	1.40	1 / 1	26.53	27.93	0.621	30.00	-2.07
	64-QAM	3544.98	1.40	1 / 1	25.53	26.93	0.493	30.00	-3.07
	256-QAM	3500.01	1.40	1 / 12	23.46	24.86	0.306	30.00	-5.14
	15 MHz	π/2 BPSK	3457.50	1.40	1 / 18	27.21	28.61	0.726	30.00
3500.01			1.40	1 / 18	27.19	28.59	0.723	30.00	-1.41
3542.49			1.40	1 / 18	27.49	28.89	0.774	30.00	-1.11
QPSK		3457.50	1.40	1 / 1	27.39	28.79	0.757	30.00	-1.21
		3500.01	1.40	1 / 18	27.50	28.90	0.776	30.00	-1.10
		3542.49	1.40	1 / 1	27.43	28.83	0.764	30.00	-1.17
16-QAM		3457.50	1.40	1 / 18	26.42	27.82	0.605	30.00	-2.18
64-QAM		3500.01	1.40	1 / 1	25.50	26.90	0.490	30.00	-3.10
256-QAM		3542.49	1.40	1 / 36	23.54	24.94	0.312	30.00	-5.06
20 MHz		π/2 BPSK	3460.02	1.40	1 / 1	27.49	28.89	0.774	30.00
	3500.01		1.40	1 / 49	27.50	28.90	0.776	30.00	-1.10
	3540.00		1.40	1 / 1	27.45	28.85	0.767	30.00	-1.15
	QPSK	3460.02	1.40	1 / 49	27.30	28.70	0.741	30.00	-1.30
		3500.01	1.40	1 / 25	27.50	28.90	0.776	30.00	-1.10
		3540.00	1.40	1 / 1	27.25	28.65	0.733	30.00	-1.35
	16-QAM	3460.02	1.40	1 / 49	26.54	27.94	0.622	30.00	-2.06
	64-QAM	3500.01	1.40	1 / 1	25.55	26.95	0.495	30.00	-3.05
	256-QAM	3540.00	1.40	1 / 25	23.63	25.03	0.318	30.00	-4.97
	30 MHz	π/2 BPSK	3465.00	1.40	1 / 36	27.47	28.87	0.771	30.00
3500.01			1.40	1 / 36	27.48	28.88	0.773	30.00	-1.12
3534.99			1.40	1 / 76	27.15	28.55	0.716	30.00	-1.45
QPSK		3465.00	1.40	1 / 36	27.36	28.76	0.752	30.00	-1.24
		3500.01	1.40	1 / 76	27.38	28.78	0.755	30.00	-1.22
		3534.99	1.40	1 / 1	27.50	28.90	0.776	30.00	-1.10
16-QAM		3500.01	1.40	1 / 76	26.49	27.89	0.615	30.00	-2.11
64-QAM		3500.01	1.40	1 / 1	25.49	26.89	0.489	30.00	-3.11
256-QAM		3465.00	1.40	1 / 36	23.58	24.98	0.315	30.00	-5.02
40 MHz		π/2 BPSK	3470.01	1.40	1 / 104	27.48	28.88	0.773	30.00
	3500.01		1.40	1 / 1	27.33	28.73	0.746	30.00	-1.27
	3529.98		1.40	1 / 104	27.50	28.90	0.776	30.00	-1.10
	QPSK	3470.01	1.40	1 / 1	27.44	28.84	0.766	30.00	-1.16
		3500.01	1.40	1 / 1	27.31	28.71	0.743	30.00	-1.29
		3529.98	1.40	1 / 50	27.48	28.88	0.773	30.00	-1.12
	16-QAM	3470.01	1.40	1 / 1	26.55	27.95	0.624	30.00	-2.05
	64-QAM	3500.01	1.40	1 / 1	25.56	26.96	0.497	30.00	-3.04
	256-QAM	3500.01	1.40	1 / 104	23.54	24.94	0.312	30.00	-5.06
	50 MHz	π/2 BPSK	3475.02	1.40	1 / 1	27.45	28.85	0.767	30.00
3500.01			1.40	1 / 131	27.50	28.90	0.776	30.00	-1.10
3525.00			1.40	1 / 1	27.41	28.81	0.760	30.00	-1.19
QPSK		3475.02	1.40	1 / 64	27.50	28.90	0.776	30.00	-1.10
		3500.01	1.40	1 / 131	27.25	28.65	0.733	30.00	-1.35
		3525.00	1.40	1 / 131	27.49	28.89	0.774	30.00	-1.11
16-QAM		3475.02	1.40	1 / 131	26.38	27.78	0.600	30.00	-2.22
64-QAM		3525.00	1.40	1 / 64	25.46	26.86	0.485	30.00	-3.14
256-QAM		3475.02	1.40	1 / 131	23.57	24.97	0.314	30.00	-5.03
60 MHz		π/2 BPSK	3480.00	1.40	1 / 81	27.21	28.61	0.726	30.00
	3500.01		1.40	1 / 160	27.35	28.75	0.750	30.00	-1.25
	3519.99		1.40	1 / 160	27.32	28.72	0.745	30.00	-1.28
	QPSK	3480.00	1.40	1 / 160	27.50	28.90	0.776	30.00	-1.10
		3500.01	1.40	1 / 81	27.45	28.85	0.767	30.00	-1.15
		3519.99	1.40	1 / 81	27.42	28.82	0.762	30.00	-1.18
	16-QAM	3519.99	1.40	1 / 160	26.49	27.89	0.615	30.00	-2.11
	64-QAM	3500.01	1.40	1 / 160	25.49	26.89	0.489	30.00	-3.11
	256-QAM	3500.01	1.40	1 / 81	23.58	24.98	0.315	30.00	-5.02
	70 MHz	π/2 BPSK	3485.01	1.40	1 / 187	27.50	28.90	0.776	30.00
3500.01			1.40	1 / 187	27.36	28.76	0.752	30.00	-1.24
3514.98			1.40	1 / 90	27.49	28.89	0.774	30.00	-1.11
QPSK		3485.01	1.40	1 / 1	27.41	28.81	0.760	30.00	-1.19
		3500.01	1.40	1 / 187	27.39	28.79	0.757	30.00	-1.21
		3514.98	1.40	1 / 1	27.23	28.63	0.729	30.00	-1.37
16-QAM		3514.98	1.40	1 / 187	26.42	27.82	0.605	30.00	-2.18
64-QAM		3485.01	1.40	1 / 187	25.41	26.81	0.480	30.00	-3.19
256-QAM		3514.98	1.40	1 / 187	23.55	24.95	0.313	30.00	-5.05
80 MHz		π/2 BPSK	3490.02	1.40	1 / 1	27.36	28.76	0.752	30.00
	3500.01		1.40	1 / 1	27.41	28.81	0.760	30.00	-1.19
	3510.00		1.40	1 / 108	27.41	28.81	0.760	30.00	-1.19
	QPSK	3490.02	1.40	1 / 215	27.40	28.80	0.759	30.00	-1.20
		3500.01	1.40	1 / 215	27.36	28.76	0.752	30.00	-1.24
		3510.00	1.40	1 / 108	27.50	28.90	0.776	30.00	-1.10
	16-QAM	3490.02	1.40	1 / 1	26.51	27.91	0.618	30.00	-2.09
	64-QAM	3500.01	1.40	1 / 215	25.39	26.79	0.478	30.00	-3.21
	256-QAM	3510.00	1.40	1 / 215	23.67	25.07	0.321	30.00	-4.93
	90 MHz	π/2 BPSK	3495.00	1.40	1 / 1	27.50	28.90	0.776	30.00
3500.01			1.40	1 / 120	27.43	28.83	0.764	30.00	-1.17
3504.99			1.40	1 / 243	27.35	28.75	0.750	30.00	-1.25
QPSK		3495.00	1.40	1 / 243	27.46	28.86	0.769	30.00	-1.14
		3500.01	1.40	1 / 243	27.25	28.65	0.733	30.00	-1.35
		3504.99	1.40	1 / 1	27.47	28.87	0.771	30.00	-1.13
16-QAM		3495.00	1.40	1 / 120	26.50	27.90	0.617	30.00	-2.10
64-QAM		3500.01	1.40	1 / 120	25.42	26.82	0.481	30.00	-3.18
256-QAM		3500.01	1.40	1 / 120	23.58	24.98	0.315	30.00	-5.02
100 MHz		π/2 BPSK	3500.01	1.40	1 / 1	27.28	28.68	0.738	30.00
	QPSK	3500.01	1.40	1 / 1	27.42	28.82	0.762	30.00	-1.18
	16-QAM	3500.01	1.40	1 / 271	26.27	27.67	0.585	30.00	-2.33
	64-QAM	3500.01	1.40	1 / 1	25.41	26.81	0.480	30.00	-3.19
	256-QAM	3500.01	1.40	1 / 1	23.12	24.52	0.283	30.00	-5.48

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 234 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.40	1 / 22	25.69	27.09	0.511	30.00	-2.91
		3500.01	1.40	1 / 22	25.64	27.04	0.505	30.00	-2.96
		3544.98	1.40	1 / 12	25.59	26.99	0.500	30.00	-3.01
	QPSK	3455.01	1.40	1 / 12	25.70	27.10	0.513	30.00	-2.90
		3500.01	1.40	1 / 22	25.64	27.04	0.506	30.00	-2.96
		3544.98	1.40	1 / 1	25.55	26.95	0.495	30.00	-3.05
	16-QAM	3544.98	1.40	1 / 1	24.77	26.17	0.414	30.00	-3.83
	64-QAM	3455.01	1.40	1 / 22	23.77	25.17	0.329	30.00	-4.83
256-QAM	3455.01	1.40	1 / 22	21.74	23.14	0.206	30.00	-6.86	
15 MHz	π/2 BPSK	3457.50	1.40	1 / 1	25.63	27.03	0.505	30.00	-2.97
		3500.01	1.40	1 / 1	25.66	27.06	0.508	30.00	-2.94
		3542.49	1.40	1 / 1	25.66	27.06	0.508	30.00	-2.94
	QPSK	3457.50	1.40	1 / 1	25.62	27.02	0.504	30.00	-2.98
		3500.01	1.40	1 / 36	25.70	27.10	0.513	30.00	-2.90
		3542.49	1.40	1 / 1	25.63	27.03	0.504	30.00	-2.97
	16-QAM	3542.49	1.40	1 / 36	25.16	26.56	0.452	30.00	-3.44
	64-QAM	3500.01	1.40	1 / 1	23.86	25.26	0.336	30.00	-4.74
256-QAM	3500.01	1.40	1 / 36	21.79	23.19	0.208	30.00	-6.81	
20 MHz	π/2 BPSK	3460.02	1.40	1 / 49	25.67	27.07	0.510	30.00	-2.93
		3500.01	1.40	1 / 49	25.70	27.10	0.513	30.00	-2.90
		3540.00	1.40	1 / 1	25.67	27.07	0.509	30.00	-2.93
	QPSK	3460.02	1.40	1 / 49	25.58	26.98	0.499	30.00	-3.02
		3500.01	1.40	1 / 1	25.70	27.10	0.513	30.00	-2.90
		3540.00	1.40	1 / 1	25.64	27.04	0.506	30.00	-2.96
	16-QAM	3540.00	1.40	1 / 49	25.11	26.51	0.448	30.00	-3.49
	64-QAM	3500.01	1.40	1 / 49	23.93	25.33	0.341	30.00	-4.67
256-QAM	3500.01	1.40	1 / 49	21.77	23.17	0.207	30.00	-6.83	
30 MHz	π/2 BPSK	3465.00	1.40	1 / 1	25.67	27.07	0.510	30.00	-2.93
		3500.01	1.40	1 / 1	25.68	27.08	0.511	30.00	-2.92
		3534.99	1.40	1 / 1	25.66	27.06	0.508	30.00	-2.94
	QPSK	3465.00	1.40	1 / 1	25.68	27.08	0.511	30.00	-2.92
		3500.01	1.40	1 / 76	25.68	27.08	0.511	30.00	-2.92
		3534.99	1.40	1 / 76	25.70	27.10	0.513	30.00	-2.90
	16-QAM	3534.99	1.40	1 / 1	24.80	26.20	0.417	30.00	-3.80
	64-QAM	3500.01	1.40	1 / 76	23.78	25.18	0.329	30.00	-4.82
256-QAM	3534.99	1.40	1 / 76	21.82	23.22	0.210	30.00	-6.78	
40 MHz	π/2 BPSK	3470.01	1.40	1 / 104	25.63	27.03	0.504	30.00	-2.97
		3500.01	1.40	1 / 104	25.69	27.09	0.512	30.00	-2.91
		3529.98	1.40	1 / 104	25.70	27.10	0.513	30.00	-2.90
	QPSK	3470.01	1.40	1 / 104	25.62	27.02	0.503	30.00	-2.98
		3500.01	1.40	1 / 104	25.67	27.07	0.510	30.00	-2.93
		3529.98	1.40	1 / 1	25.63	27.03	0.504	30.00	-2.97
	16-QAM	3529.98	1.40	1 / 104	24.74	26.14	0.411	30.00	-3.86
	64-QAM	3500.01	1.40	1 / 1	23.69	25.09	0.323	30.00	-4.91
256-QAM	3470.01	1.40	1 / 104	21.72	23.12	0.205	30.00	-6.88	
50 MHz	π/2 BPSK	3475.02	1.40	1 / 1	25.70	27.10	0.513	30.00	-2.90
		3500.01	1.40	1 / 64	25.57	26.97	0.497	30.00	-3.03
		3525.00	1.40	1 / 1	25.64	27.04	0.506	30.00	-2.96
	QPSK	3475.02	1.40	1 / 1	25.68	27.08	0.510	30.00	-2.92
		3500.01	1.40	1 / 64	25.49	26.89	0.488	30.00	-3.11
		3525.00	1.40	1 / 64	25.58	26.98	0.498	30.00	-3.02
	16-QAM	3475.02	1.40	1 / 1	24.95	26.35	0.431	30.00	-3.65
	64-QAM	3525.00	1.40	1 / 1	23.71	25.11	0.324	30.00	-4.89
256-QAM	3475.02	1.40	1 / 1	21.71	23.11	0.205	30.00	-6.89	
60 MHz	π/2 BPSK	3480.00	1.40	1 / 160	25.63	27.03	0.505	30.00	-2.97
		3500.01	1.40	1 / 81	25.68	27.08	0.511	30.00	-2.92
		3519.99	1.40	1 / 160	25.52	26.92	0.493	30.00	-3.08
	QPSK	3480.00	1.40	1 / 1	25.61	27.01	0.503	30.00	-2.99
		3500.01	1.40	1 / 81	25.67	27.07	0.509	30.00	-2.93
		3519.99	1.40	1 / 81	25.70	27.10	0.513	30.00	-2.90
	16-QAM	3480.00	1.40	1 / 160	24.88	26.28	0.424	30.00	-3.72
	64-QAM	3500.01	1.40	1 / 1	23.88	25.28	0.337	30.00	-4.72
256-QAM	3500.01	1.40	1 / 81	21.79	23.19	0.208	30.00	-6.81	
70 MHz	π/2 BPSK	3485.01	1.40	1 / 187	25.57	26.97	0.498	30.00	-3.03
		3500.01	1.40	1 / 90	25.70	27.10	0.513	30.00	-2.90
		3514.98	1.40	1 / 1	25.69	27.09	0.511	30.00	-2.91
	QPSK	3485.01	1.40	1 / 1	25.64	27.04	0.505	30.00	-2.96
		3500.01	1.40	1 / 90	25.65	27.05	0.507	30.00	-2.95
		3514.98	1.40	1 / 1	25.61	27.01	0.502	30.00	-2.99
	16-QAM	3485.01	1.40	1 / 187	24.87	26.27	0.423	30.00	-3.73
	64-QAM	3514.98	1.40	1 / 90	23.68	25.08	0.322	30.00	-4.92
256-QAM	3514.98	1.40	1 / 90	21.85	23.25	0.211	30.00	-6.75	
80 MHz	π/2 BPSK	3490.02	1.40	1 / 108	25.68	27.08	0.511	30.00	-2.92
		3500.01	1.40	1 / 215	25.59	26.99	0.499	30.00	-3.01
		3510.00	1.40	1 / 215	25.55	26.95	0.496	30.00	-3.05
	QPSK	3490.02	1.40	1 / 108	25.64	27.04	0.506	30.00	-2.96
		3500.01	1.40	1 / 108	25.70	27.10	0.513	30.00	-2.90
		3510.00	1.40	1 / 108	25.65	27.05	0.507	30.00	-2.95
	16-QAM	3490.02	1.40	1 / 1	24.80	26.20	0.416	30.00	-3.80
	64-QAM	3510.00	1.40	1 / 1	23.90	25.30	0.339	30.00	-4.70
256-QAM	3490.02	1.40	1 / 108	21.95	23.35	0.216	30.00	-6.65	
90 MHz	π/2 BPSK	3495.00	1.40	1 / 120	25.48	26.88	0.487	30.00	-3.12
		3500.01	1.40	1 / 243	25.58	26.98	0.499	30.00	-3.02
		3504.99	1.40	1 / 120	25.49	26.89	0.489	30.00	-3.11
	QPSK	3495.00	1.40	1 / 120	25.70	27.10	0.513	30.00	-2.90
		3500.01	1.40	1 / 243	25.48	26.88	0.488	30.00	-3.12
		3504.99	1.40	1 / 243	25.68	27.08	0.511	30.00	-2.92
	16-QAM	3500.01	1.40	1 / 243	24.92	26.32	0.429	30.00	-3.68
	64-QAM	3495.00	1.40	1 / 243	23.59	24.99	0.316	30.00	-5.01
256-QAM	3504.99	1.40	1 / 1	21.67	23.07	0.203	30.00	-6.93	
100 MHz	π/2 BPSK	3500.01	1.40	1 / 271	25.70	27.10	0.513	30.00	-2.90
	QPSK	3500.01	1.40	1 / 271	25.42	26.82	0.481	30.00	-3.18
	16-QAM	3500.01	1.40	1 / 271	24.95	26.35	0.432	30.00	-3.65
	256-QAM	3500.01	1.40	1 / 271	23.57	24.97	0.314	30.00	-5.03
		3500.01	1.40	1 / 271	21.71	23.11	0.205	30.00	-6.89

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 235 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	0.40	1 / 22	27.49	27.89	0.616	30.00	-2.11
		3840.00	0.40	1 / 12	27.37	27.77	0.599	30.00	-2.23
		3975.00	0.40	1 / 12	27.49	27.89	0.615	30.00	-2.11
	QPSK	3705.00	0.40	1 / 22	27.48	27.88	0.614	30.00	-2.12
		3840.00	0.40	1 / 12	27.33	27.73	0.592	30.00	-2.27
		3975.00	0.40	1 / 12	27.48	27.88	0.613	30.00	-2.12
		16-QAM	3975.00	0.40	1 / 1	26.65	27.05	0.507	30.00
	64-QAM	3840.00	0.40	1 / 12	24.93	25.33	0.341	30.00	-4.67
	256-QAM	3975.00	0.40	1 / 22	23.32	23.72	0.236	30.00	-6.28
	15 MHz	π/2 BPSK	3707.51	0.40	1 / 36	27.44	27.84	0.609	30.00
3840.00			0.40	1 / 36	27.40	27.80	0.603	30.00	-2.20
3972.50			0.40	1 / 36	27.50	27.90	0.617	30.00	-2.10
QPSK		3707.51	0.40	1 / 36	27.40	27.80	0.602	30.00	-2.20
		3840.00	0.40	1 / 36	27.42	27.82	0.605	30.00	-2.18
		3972.50	0.40	1 / 36	27.48	27.88	0.614	30.00	-2.12
		16-QAM	3840.00	0.40	1 / 36	26.62	27.02	0.504	30.00
64-QAM		3972.50	0.40	1 / 1	25.37	25.77	0.377	30.00	-4.23
256-QAM		3707.51	0.40	1 / 36	23.23	23.63	0.231	30.00	-6.37
20 MHz		π/2 BPSK	3710.01	0.40	1 / 49	27.48	27.88	0.614	30.00
	3840.00		0.40	1 / 25	27.38	27.78	0.599	30.00	-2.22
	3969.99		0.40	1 / 49	27.50	27.90	0.617	30.00	-2.10
	QPSK	3710.01	0.40	1 / 49	27.49	27.89	0.616	30.00	-2.11
		3840.00	0.40	1 / 49	27.36	27.76	0.597	30.00	-2.24
		3969.99	0.40	1 / 1	27.43	27.83	0.607	30.00	-2.17
		16-QAM	3969.99	0.40	1 / 1	26.75	27.15	0.519	30.00
	64-QAM	3969.99	0.40	1 / 49	25.28	25.68	0.370	30.00	-4.32
	256-QAM	3969.99	0.40	1 / 49	23.18	23.58	0.228	30.00	-6.42
	30 MHz	π/2 BPSK	3715.02	0.40	1 / 76	27.50	27.90	0.616	30.00
3840.00			0.40	1 / 76	27.45	27.85	0.609	30.00	-2.15
3964.98			0.40	1 / 1	27.43	27.83	0.607	30.00	-2.17
QPSK		3715.02	0.40	1 / 36	27.50	27.90	0.617	30.00	-2.10
		3840.00	0.40	1 / 76	27.49	27.89	0.615	30.00	-2.11
		3964.98	0.40	1 / 1	27.44	27.84	0.608	30.00	-2.16
		16-QAM	3840.00	0.40	1 / 36	26.65	27.05	0.507	30.00
64-QAM		3840.00	0.40	1 / 76	25.38	25.78	0.378	30.00	-4.22
256-QAM		3715.02	0.40	1 / 76	23.23	23.63	0.231	30.00	-6.37
40 MHz		π/2 BPSK	3720.00	0.40	1 / 1	27.49	27.89	0.615	30.00
	3840.00		0.40	1 / 104	27.49	27.89	0.615	30.00	-2.11
	3960.00		0.40	1 / 1	27.48	27.88	0.614	30.00	-2.12
	QPSK	3720.00	0.40	1 / 1	27.50	27.90	0.617	30.00	-2.10
		3840.00	0.40	1 / 1	27.47	27.87	0.612	30.00	-2.13
		3960.00	0.40	1 / 1	27.42	27.82	0.606	30.00	-2.18
		16-QAM	3720.00	0.40	1 / 104	26.58	26.98	0.499	30.00
	64-QAM	3720.00	0.40	1 / 1	25.38	25.78	0.379	30.00	-4.22
	256-QAM	3840.00	0.40	1 / 1	23.21	23.61	0.230	30.00	-6.39
	50 MHz	π/2 BPSK	3725.01	0.40	1 / 131	27.46	27.86	0.611	30.00
3840.00			0.40	1 / 131	27.39	27.79	0.602	30.00	-2.21
3954.99			0.40	1 / 64	27.44	27.84	0.609	30.00	-2.16
QPSK		3725.01	0.40	1 / 64	27.50	27.90	0.617	30.00	-2.10
		3840.00	0.40	1 / 131	27.34	27.74	0.595	30.00	-2.26
		3954.99	0.40	1 / 131	27.48	27.88	0.614	30.00	-2.12
		16-QAM	3725.01	0.40	1 / 131	26.60	27.00	0.501	30.00
64-QAM		3954.99	0.40	1 / 1	25.19	25.59	0.362	30.00	-4.41
256-QAM		3725.01	0.40	1 / 131	23.21	23.61	0.230	30.00	-6.39
60 MHz		π/2 BPSK	3730.02	0.40	1 / 1	27.47	27.87	0.612	30.00
	3840.00		0.40	1 / 160	27.34	27.74	0.594	30.00	-2.26
	3949.98		0.40	1 / 81	27.32	27.72	0.592	30.00	-2.28
	QPSK	3730.02	0.40	1 / 81	27.50	27.90	0.617	30.00	-2.10
		3840.00	0.40	1 / 160	27.28	27.68	0.585	30.00	-2.32
		3949.98	0.40	1 / 1	27.45	27.85	0.609	30.00	-2.15
		16-QAM	3730.02	0.40	1 / 1	26.69	27.09	0.512	30.00
	64-QAM	3730.02	0.40	1 / 1	25.01	25.41	0.347	30.00	-4.59
	256-QAM	3730.02	0.40	1 / 1	23.00	23.40	0.219	30.00	-6.60
	70 MHz	π/2 BPSK	3735.00	0.40	1 / 90	27.50	27.90	0.617	30.00
3840.00			0.40	1 / 187	27.23	27.63	0.579	30.00	-2.37
3945.00			0.40	1 / 1	27.48	27.88	0.614	30.00	-2.12
QPSK		3735.00	0.40	1 / 187	27.43	27.83	0.607	30.00	-2.17
		3840.00	0.40	1 / 187	27.35	27.75	0.596	30.00	-2.25
		3945.00	0.40	1 / 1	27.50	27.90	0.616	30.00	-2.10
		16-QAM	3945.00	0.40	1 / 1	26.68	27.08	0.511	30.00
64-QAM		3735.00	0.40	1 / 1	25.27	25.67	0.369	30.00	-4.33
256-QAM		3945.00	0.40	1 / 1	23.34	23.74	0.236	30.00	-6.26
80 MHz		π/2 BPSK	3740.01	0.40	1 / 1	27.48	27.88	0.614	30.00
	3840.00		0.40	1 / 215	27.31	27.71	0.591	30.00	-2.29
	3939.99		0.40	1 / 108	27.45	27.85	0.609	30.00	-2.15
	QPSK	3740.01	0.40	1 / 108	27.50	27.90	0.617	30.00	-2.10
		3840.00	0.40	1 / 215	27.32	27.72	0.591	30.00	-2.28
		3939.99	0.40	1 / 108	27.46	27.86	0.611	30.00	-2.14
		16-QAM	3939.99	0.40	1 / 215	26.63	27.03	0.505	30.00
	64-QAM	3939.99	0.40	1 / 108	25.28	25.68	0.370	30.00	-4.32
	256-QAM	3740.01	0.40	1 / 108	23.29	23.69	0.234	30.00	-6.31
	90 MHz	π/2 BPSK	3745.02	0.40	1 / 120	27.46	27.86	0.611	30.00
3840.00			0.40	1 / 243	27.36	27.76	0.597	30.00	-2.24
3934.98			0.40	1 / 120	27.37	27.77	0.598	30.00	-2.23
QPSK		3745.02	0.40	1 / 120	27.50	27.90	0.617	30.00	-2.10
		3840.00	0.40	1 / 243	27.37	27.77	0.598	30.00	-2.23
		3934.98	0.40	1 / 120	27.49	27.89	0.616	30.00	-2.11
		16-QAM	3934.98	0.40	1 / 1	26.56	26.96	0.497	30.00
64-QAM		3934.98	0.40	1 / 120	25.20	25.60	0.363	30.00	-4.40
256-QAM		3934.98	0.40	1 / 120	23.12	23.52	0.225	30.00	-6.48
100 MHz		π/2 BPSK	3750.00	0.40	1 / 135	27.46	27.86	0.611	30.00
	3840.00		0.40	1 / 271	27.30	27.70	0.589	30.00	-2.30
	3930.00		0.40	1 / 135	27.41	27.81	0.604	30.00	-2.19
	QPSK	3750.00	0.40	1 / 135	27.50	27.90	0.617	30.00	-2.10
		3840.00	0.40	1 / 271	27.45	27.85	0.610	30.00	-2.15
		3930.00	0.40	1 / 135	27.48	27.88	0.614	30.00	-2.12
		16-QAM	3750.00	0.40	1 / 135	26.68	27.08	0.511	30.00
	64-QAM	3930.00	0.40	1 / 135	25.15	25.55	0.359	30.00	-4.45
	256-QAM	3750.00	0.40	1 / 1	23.22	23.62	0.230	30.00	-6.38

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 236 of 266

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	0.40	1 / 12	25.70	26.10	0.407	30.00	-3.90	
		3840.00	0.40	1 / 12	25.40	25.80	0.380	30.00	-4.20	
		3975.00	0.40	1 / 1	25.66	26.06	0.404	30.00	-3.94	
		3705.00	0.40	1 / 12	25.68	26.08	0.405	30.00	-3.92	
	QPSK	3840.00	0.40	1 / 12	25.46	25.86	0.385	30.00	-4.14	
		3975.00	0.40	1 / 1	25.59	25.99	0.397	30.00	-4.01	
		16-QAM	3705.00	0.40	1 / 12	24.81	25.21	0.332	30.00	-4.79
		64-QAM	3705.00	0.40	1 / 22	23.32	23.72	0.235	30.00	-6.28
256-QAM	3975.00	0.40	1 / 12	21.40	21.80	0.151	30.00	-8.20		
15 MHz	π/2 BPSK	3707.51	0.40	1 / 1	25.64	26.04	0.401	30.00	-3.96	
		3840.00	0.40	1 / 1	25.55	25.95	0.394	30.00	-4.05	
		3972.50	0.40	1 / 36	25.70	26.10	0.407	30.00	-3.90	
		3707.51	0.40	1 / 36	25.67	26.07	0.405	30.00	-3.93	
	QPSK	3840.00	0.40	1 / 18	25.60	26.00	0.398	30.00	-4.00	
		3972.50	0.40	1 / 1	25.64	26.04	0.402	30.00	-3.96	
		16-QAM	3707.51	0.40	1 / 36	24.85	25.25	0.335	30.00	-4.75
		64-QAM	3707.51	0.40	1 / 18	23.45	23.85	0.243	30.00	-6.15
256-QAM	3972.50	0.40	1 / 1	21.35	21.75	0.149	30.00	-8.25		
20 MHz	π/2 BPSK	3710.01	0.40	1 / 49	25.70	26.10	0.407	30.00	-3.90	
		3840.00	0.40	1 / 1	25.52	25.92	0.391	30.00	-4.08	
		3969.99	0.40	1 / 1	25.64	26.04	0.402	30.00	-3.96	
		3710.01	0.40	1 / 49	25.65	26.05	0.403	30.00	-3.95	
	QPSK	3840.00	0.40	1 / 25	25.56	25.96	0.395	30.00	-4.04	
		3969.99	0.40	1 / 1	25.61	26.01	0.399	30.00	-3.99	
		16-QAM	3969.99	0.40	1 / 1	24.80	25.20	0.331	30.00	-4.80
		64-QAM	3969.99	0.40	1 / 49	23.51	23.91	0.246	30.00	-6.09
256-QAM	3710.01	0.40	1 / 49	21.38	21.78	0.151	30.00	-8.22		
30 MHz	π/2 BPSK	3715.02	0.40	1 / 76	25.69	26.09	0.407	30.00	-3.91	
		3840.00	0.40	1 / 36	25.64	26.04	0.402	30.00	-3.96	
		3964.98	0.40	1 / 1	25.60	26.00	0.398	30.00	-4.00	
		3715.02	0.40	1 / 76	25.70	26.10	0.407	30.00	-3.90	
	QPSK	3840.00	0.40	1 / 76	25.65	26.05	0.403	30.00	-3.95	
		3964.98	0.40	1 / 1	25.65	26.05	0.402	30.00	-3.95	
		16-QAM	3715.02	0.40	1 / 1	24.83	25.23	0.334	30.00	-4.77
		64-QAM	3715.02	0.40	1 / 36	23.45	23.85	0.242	30.00	-6.15
256-QAM	3715.02	0.40	1 / 1	21.48	21.88	0.154	30.00	-8.12		
40 MHz	π/2 BPSK	3720.00	0.40	1 / 1	25.63	26.03	0.401	30.00	-3.97	
		3840.00	0.40	1 / 104	25.67	26.07	0.405	30.00	-3.93	
		3960.00	0.40	1 / 1	25.46	25.86	0.385	30.00	-4.14	
		3720.00	0.40	1 / 1	25.70	26.10	0.407	30.00	-3.90	
	QPSK	3840.00	0.40	1 / 50	25.65	26.05	0.402	30.00	-3.95	
		3960.00	0.40	1 / 1	25.58	25.98	0.396	30.00	-4.02	
		16-QAM	3720.00	0.40	1 / 1	24.77	25.17	0.329	30.00	-4.83
		64-QAM	3720.00	0.40	1 / 50	23.81	24.21	0.264	30.00	-5.79
256-QAM	3720.00	0.40	1 / 1	21.68	22.08	0.161	30.00	-7.92		
50 MHz	π/2 BPSK	3725.01	0.40	1 / 1	25.69	26.09	0.406	30.00	-3.91	
		3840.00	0.40	1 / 64	25.51	25.91	0.390	30.00	-4.09	
		3954.99	0.40	1 / 1	25.69	26.09	0.407	30.00	-3.91	
		3725.01	0.40	1 / 1	25.70	26.10	0.407	30.00	-3.90	
	QPSK	3840.00	0.40	1 / 131	25.63	26.03	0.401	30.00	-3.97	
		3954.99	0.40	1 / 131	25.62	26.02	0.400	30.00	-3.98	
		16-QAM	3840.00	0.40	1 / 131	24.98	25.38	0.345	30.00	-4.62
		64-QAM	3954.99	0.40	1 / 64	23.41	23.81	0.240	30.00	-6.19
256-QAM	3725.01	0.40	1 / 131	21.50	21.90	0.155	30.00	-8.10		
60 MHz	π/2 BPSK	3730.02	0.40	1 / 160	25.67	26.07	0.404	30.00	-3.93	
		3840.00	0.40	1 / 81	25.60	26.00	0.398	30.00	-4.00	
		3949.98	0.40	1 / 81	25.69	26.09	0.406	30.00	-3.91	
		3730.02	0.40	1 / 81	25.70	26.10	0.407	30.00	-3.90	
	QPSK	3840.00	0.40	1 / 160	25.56	25.96	0.395	30.00	-4.04	
		3949.98	0.40	1 / 81	25.56	25.96	0.395	30.00	-4.04	
		16-QAM	3730.02	0.40	1 / 160	25.00	25.40	0.346	30.00	-4.60
		64-QAM	3840.00	0.40	1 / 160	23.52	23.92	0.246	30.00	-6.08
256-QAM	3730.02	0.40	1 / 81	21.45	21.85	0.153	30.00	-8.15		
70 MHz	π/2 BPSK	3735.00	0.40	1 / 187	25.57	25.97	0.395	30.00	-4.03	
		3840.00	0.40	1 / 187	25.58	25.98	0.396	30.00	-4.02	
		3945.00	0.40	1 / 1	25.68	26.08	0.405	30.00	-3.92	
		3735.00	0.40	1 / 90	25.70	26.10	0.407	30.00	-3.90	
	QPSK	3840.00	0.40	1 / 187	25.57	25.97	0.396	30.00	-4.03	
		3945.00	0.40	1 / 90	25.61	26.01	0.399	30.00	-3.99	
		16-QAM	3735.00	0.40	1 / 187	24.91	25.31	0.340	30.00	-4.68
		64-QAM	3945.00	0.40	1 / 1	23.40	23.80	0.240	30.00	-6.20
256-QAM	3735.00	0.40	1 / 187	21.66	22.06	0.161	30.00	-7.94		
80 MHz	π/2 BPSK	3740.01	0.40	1 / 215	25.66	26.06	0.403	30.00	-3.94	
		3840.00	0.40	1 / 215	25.53	25.93	0.392	30.00	-4.07	
		3939.99	0.40	1 / 108	25.70	26.10	0.407	30.00	-3.90	
		3740.01	0.40	1 / 108	25.69	26.09	0.407	30.00	-3.91	
	QPSK	3840.00	0.40	1 / 215	25.59	25.99	0.397	30.00	-4.01	
		3939.99	0.40	1 / 215	25.61	26.01	0.399	30.00	-3.99	
		16-QAM	3740.01	0.40	1 / 215	24.98	25.38	0.345	30.00	-4.62
		64-QAM	3740.01	0.40	1 / 108	23.65	24.05	0.254	30.00	-5.95
256-QAM	3939.99	0.40	1 / 271	21.41	21.81	0.152	30.00	-8.19		
90 MHz	π/2 BPSK	3745.02	0.40	1 / 120	25.70	26.10	0.407	30.00	-3.90	
		3840.00	0.40	1 / 243	25.69	26.09	0.407	30.00	-3.91	
		3934.98	0.40	1 / 120	25.70	26.10	0.407	30.00	-3.90	
		3745.02	0.40	1 / 243	25.68	26.08	0.406	30.00	-3.92	
	QPSK	3840.00	0.40	1 / 243	25.63	26.03	0.400	30.00	-3.97	
		3934.98	0.40	1 / 120	25.65	26.05	0.403	30.00	-3.95	
		16-QAM	3745.02	0.40	1 / 120	25.00	25.40	0.347	30.00	-4.60
		64-QAM	3745.02	0.40	1 / 120	23.80	24.20	0.263	30.00	-5.80
256-QAM	3745.02	0.40	1 / 1	21.53	21.93	0.156	30.00	-8.07		
100 MHz	π/2 BPSK	3750.00	0.40	1 / 135	25.64	26.04	0.401	30.00	-3.96	
		3840.00	0.40	1 / 271	25.59	25.99	0.397	30.00	-4.01	
		3930.00	0.40	1 / 135	25.70	26.10	0.407	30.00	-3.90	
		3750.00	0.40	1 / 135	25.61	26.01	0.399	30.00	-3.99	
	QPSK	3840.00	0.40	1 / 271	25.63	26.03	0.401	30.00	-3.97	
		3930.00	0.40	1 / 135	25.60	26.00	0.398	30.00	-4.00	
		16-QAM	3840.00	0.40	1 / 271	24.97	25.37	0.344	30.00	-4.63
		64-QAM	3840.00	0.40	1 / 1	23.67	24.07	0.255	30.00	-5.93
256-QAM	3750.00	0.40	1 / 1	21.39	21.79	0.151	30.00	-8.21		

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 237 of 266

7.6.2 Antenna 2 – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.80	1 / 12	23.06	24.86	0.307	30.00	-5.14
		3500.01	1.80	1 / 22	23.12	24.92	0.310	30.00	-5.08
		3544.98	1.80	1 / 22	23.02	24.82	0.304	30.00	-5.18
	QPSK	3455.01	1.80	1 / 22	23.11	24.91	0.310	30.00	-5.09
		3500.01	1.80	1 / 12	23.13	24.93	0.311	30.00	-5.07
		3544.98	1.80	1 / 22	23.10	24.90	0.309	30.00	-5.10
	16-QAM	3455.01	1.80	1 / 1	22.31	24.11	0.257	30.00	-5.89
		3500.01	1.80	1 / 1	20.72	22.52	0.179	30.00	-7.48
		3500.01	1.80	1 / 22	18.59	20.39	0.110	30.00	-9.61
15 MHz	π/2 BPSK	3457.50	1.80	1 / 36	23.30	25.10	0.324	30.00	-4.90
		3500.01	1.80	1 / 1	23.38	25.18	0.330	30.00	-4.82
		3542.49	1.80	1 / 1	23.29	25.09	0.323	30.00	-4.91
	QPSK	3457.50	1.80	1 / 1	23.26	25.06	0.321	30.00	-4.94
		3500.01	1.80	1 / 18	23.30	25.10	0.324	30.00	-4.90
		3542.49	1.80	1 / 1	23.30	25.10	0.324	30.00	-4.90
	16-QAM	3500.01	1.80	1 / 36	22.69	24.49	0.281	30.00	-5.51
		3542.49	1.80	1 / 36	21.14	22.94	0.197	30.00	-7.06
		3500.01	1.80	1 / 1	19.10	20.90	0.123	30.00	-9.10
20 MHz	π/2 BPSK	3460.02	1.80	1 / 49	23.29	25.09	0.323	30.00	-4.91
		3500.01	1.80	1 / 1	23.33	25.13	0.326	30.00	-4.87
		3540.00	1.80	1 / 1	23.28	25.08	0.322	30.00	-4.92
	QPSK	3460.02	1.80	1 / 1	23.24	25.04	0.319	30.00	-4.96
		3500.01	1.80	1 / 25	23.36	25.16	0.328	30.00	-4.84
		3540.00	1.80	1 / 1	23.27	25.07	0.321	30.00	-4.93
	16-QAM	3500.01	1.80	1 / 49	22.61	24.41	0.276	30.00	-5.59
		3500.01	1.80	1 / 49	21.14	22.94	0.197	30.00	-7.06
		3500.01	1.80	1 / 49	19.26	21.06	0.128	30.00	-8.94
30 MHz	π/2 BPSK	3465.00	1.80	1 / 1	23.30	25.10	0.324	30.00	-4.90
		3500.01	1.80	1 / 1	23.22	25.02	0.318	30.00	-4.98
		3534.99	1.80	1 / 1	23.36	25.16	0.328	30.00	-4.84
	QPSK	3465.00	1.80	1 / 1	23.28	25.08	0.322	30.00	-4.92
		3500.01	1.80	1 / 1	23.28	25.08	0.322	30.00	-4.92
		3534.99	1.80	1 / 36	23.20	25.00	0.316	30.00	-5.00
	16-QAM	3534.99	1.80	1 / 1	22.58	24.38	0.274	30.00	-5.62
		3534.99	1.80	1 / 1	20.98	22.78	0.189	30.00	-7.22
		3500.01	1.80	1 / 76	18.87	20.67	0.117	30.00	-9.33
40 MHz	π/2 BPSK	3470.01	1.80	1 / 1	23.35	25.15	0.327	30.00	-4.85
		3500.01	1.80	1 / 104	23.33	25.13	0.326	30.00	-4.87
		3529.98	1.80	1 / 1	23.32	25.12	0.325	30.00	-4.88
	QPSK	3470.01	1.80	1 / 1	23.33	25.13	0.326	30.00	-4.87
		3500.01	1.80	1 / 1	23.33	25.13	0.326	30.00	-4.87
		3529.98	1.80	1 / 1	23.30	25.10	0.324	30.00	-4.90
	16-QAM	3500.01	1.80	1 / 104	22.45	24.25	0.266	30.00	-5.75
		3529.98	1.80	1 / 1	20.84	22.64	0.184	30.00	-7.36
		3529.98	1.80	1 / 104	18.98	20.78	0.120	30.00	-9.22
50 MHz	π/2 BPSK	3475.02	1.80	1 / 131	23.15	24.95	0.312	30.00	-5.05
		3500.01	1.80	1 / 1	23.18	24.98	0.315	30.00	-5.02
		3525.00	1.80	1 / 1	23.13	24.93	0.311	30.00	-5.07
	QPSK	3475.02	1.80	1 / 131	23.08	24.88	0.308	30.00	-5.12
		3500.01	1.80	1 / 64	23.18	24.98	0.315	30.00	-5.02
		3525.00	1.80	1 / 1	23.12	24.92	0.311	30.00	-5.08
	16-QAM	3475.02	1.80	1 / 131	22.25	24.05	0.254	30.00	-5.95
		3500.01	1.80	1 / 1	20.97	22.77	0.189	30.00	-7.23
		3500.01	1.80	1 / 131	18.92	20.72	0.118	30.00	-9.28
60 MHz	π/2 BPSK	3480.00	1.80	1 / 81	23.09	24.89	0.308	30.00	-5.11
		3500.01	1.80	1 / 81	23.19	24.99	0.316	30.00	-5.01
		3519.99	1.80	1 / 81	23.14	24.94	0.312	30.00	-5.06
	QPSK	3480.00	1.80	1 / 1	23.17	24.97	0.314	30.00	-5.03
		3500.01	1.80	1 / 81	23.22	25.02	0.318	30.00	-4.98
		3519.99	1.80	1 / 1	23.02	24.82	0.303	30.00	-5.18
	16-QAM	3480.00	1.80	1 / 81	22.32	24.12	0.258	30.00	-5.88
		3480.00	1.80	1 / 1	20.73	22.53	0.179	30.00	-7.47
		3500.01	1.80	1 / 81	18.67	20.47	0.111	30.00	-9.53
70 MHz	π/2 BPSK	3485.01	1.80	1 / 1	23.15	24.95	0.313	30.00	-5.05
		3500.01	1.80	1 / 1	23.09	24.89	0.308	30.00	-5.11
		3514.98	1.80	1 / 1	23.10	24.90	0.309	30.00	-5.10
	QPSK	3485.01	1.80	1 / 1	23.13	24.93	0.311	30.00	-5.07
		3500.01	1.80	1 / 1	23.11	24.91	0.310	30.00	-5.09
		3514.98	1.80	1 / 1	23.10	24.90	0.309	30.00	-5.10
	16-QAM	3500.01	1.80	1 / 1	22.50	24.30	0.269	30.00	-5.70
		3514.98	1.80	1 / 1	20.96	22.76	0.189	30.00	-7.24
		3485.01	1.80	1 / 1	18.87	20.67	0.117	30.00	-9.33
80 MHz	π/2 BPSK	3490.02	1.80	1 / 108	23.18	24.98	0.315	30.00	-5.02
		3500.01	1.80	1 / 1	23.07	24.87	0.307	30.00	-5.13
		3510.00	1.80	1 / 108	23.17	24.97	0.314	30.00	-5.03
	QPSK	3490.02	1.80	1 / 108	23.11	24.91	0.310	30.00	-5.09
		3500.01	1.80	1 / 108	23.14	24.94	0.312	30.00	-5.06
		3510.00	1.80	1 / 1	23.29	25.09	0.323	30.00	-4.91
	16-QAM	3510.00	1.80	1 / 1	22.50	24.30	0.269	30.00	-5.70
		3510.00	1.80	1 / 108	20.72	22.52	0.179	30.00	-7.48
		3500.01	1.80	1 / 215	18.94	20.74	0.119	30.00	-9.26
90 MHz	π/2 BPSK	3495.00	1.80	1 / 243	23.06	24.86	0.306	30.00	-5.14
		3500.01	1.80	1 / 1	23.11	24.91	0.310	30.00	-5.09
		3504.99	1.80	1 / 1	23.31	25.11	0.324	30.00	-4.89
	QPSK	3495.00	1.80	1 / 120	23.08	24.88	0.308	30.00	-5.12
		3500.01	1.80	1 / 120	23.16	24.96	0.313	30.00	-5.04
		3504.99	1.80	1 / 1	23.03	24.83	0.304	30.00	-5.17
	16-QAM	3500.01	1.80	1 / 1	22.57	24.37	0.273	30.00	-5.63
		3500.01	1.80	1 / 1	20.78	22.58	0.181	30.00	-7.42
		3500.01	1.80	1 / 120	18.62	20.42	0.110	30.00	-9.58
100 MHz	π/2 BPSK	3500.01	1.80	1 / 135	23.07	24.87	0.307	30.00	-5.13
		3500.01	1.80	1 / 271	23.12	24.92	0.310	30.00	-5.08
		3500.01	1.80	1 / 135	22.42	24.22	0.264	30.00	-5.78
	QPSK	3500.01	1.80	1 / 135	22.42	24.22	0.264	30.00	-5.78
		3500.01	1.80	1 / 271	20.92	22.72	0.187	30.00	-7.28
		3500.01	1.80	1 / 135	18.51	20.31	0.107	30.00	-9.69

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 238 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.80	1/12	23.10	24.90	0.309	30.00	-5.10
		3500.01	1.80	1/12	23.14	24.94	0.312	30.00	-5.06
		3544.98	1.80	1/1	23.01	24.81	0.302	30.00	-5.19
	QPSK	3455.01	1.80	1/22	23.17	24.97	0.314	30.00	-5.03
		3500.01	1.80	1/22	23.16	24.96	0.313	30.00	-5.04
		3544.98	1.80	1/12	23.00	24.80	0.302	30.00	-5.20
		16-QAM	3455.01	1.80	1/12	22.33	24.13	0.259	30.00
64-QAM	3455.01	1.80	1/1	20.75	22.55	0.180	30.00	-7.45	
256-QAM	3455.01	1.80	1/1	19.07	20.87	0.122	30.00	-9.13	
15 MHz	π/2 BPSK	3457.50	1.80	1/1	23.26	25.06	0.320	30.00	-4.94
		3500.01	1.80	1/36	23.30	25.10	0.323	30.00	-4.90
		3542.49	1.80	1/1	23.27	25.07	0.321	30.00	-4.93
	QPSK	3457.50	1.80	1/36	23.27	25.07	0.321	30.00	-4.93
		3500.01	1.80	1/36	23.30	25.10	0.324	30.00	-4.90
		3542.49	1.80	1/36	23.28	25.08	0.322	30.00	-4.92
		16-QAM	3500.01	1.80	1/36	22.52	24.32	0.270	30.00
64-QAM	3457.50	1.80	1/36	20.92	22.72	0.187	30.00	-7.28	
256-QAM	3542.49	1.80	1/18	18.97	20.77	0.119	30.00	-9.23	
20 MHz	π/2 BPSK	3460.02	1.80	1/49	23.28	25.08	0.322	30.00	-4.92
		3500.01	1.80	1/49	23.30	25.10	0.324	30.00	-4.90
		3540.00	1.80	1/1	23.27	25.07	0.321	30.00	-4.93
	QPSK	3460.02	1.80	1/49	23.27	25.07	0.322	30.00	-4.93
		3500.01	1.80	1/1	23.28	25.08	0.322	30.00	-4.92
		3540.00	1.80	1/1	23.29	25.09	0.323	30.00	-4.91
		16-QAM	3500.01	1.80	1/1	22.47	24.27	0.267	30.00
64-QAM	3500.01	1.80	1/1	20.85	22.65	0.184	30.00	-7.35	
256-QAM	3500.01	1.80	1/49	18.84	20.64	0.116	30.00	-9.36	
30 MHz	π/2 BPSK	3465.00	1.80	1/1	23.22	25.02	0.318	30.00	-4.98
		3500.01	1.80	1/1	23.23	25.03	0.318	30.00	-4.97
		3534.99	1.80	1/76	23.19	24.99	0.316	30.00	-5.01
	QPSK	3465.00	1.80	1/76	23.27	25.07	0.321	30.00	-4.93
		3500.01	1.80	1/76	23.26	25.06	0.321	30.00	-4.94
		3534.99	1.80	1/76	23.30	25.10	0.324	30.00	-4.90
		16-QAM	3465.00	1.80	1/76	22.61	24.41	0.276	30.00
64-QAM	3465.00	1.80	1/1	20.96	22.76	0.189	30.00	-7.24	
256-QAM	3534.99	1.80	1/1	18.99	20.79	0.120	30.00	-9.21	
40 MHz	π/2 BPSK	3470.01	1.80	1/104	23.29	25.09	0.323	30.00	-4.91
		3500.01	1.80	1/1	23.28	25.08	0.322	30.00	-4.92
		3529.98	1.80	1/104	23.27	25.07	0.321	30.00	-4.93
	QPSK	3470.01	1.80	1/104	23.29	25.09	0.323	30.00	-4.91
		3500.01	1.80	1/1	23.30	25.10	0.324	30.00	-4.90
		3529.98	1.80	1/1	23.25	25.05	0.320	30.00	-4.95
		16-QAM	3529.98	1.80	1/1	22.64	24.44	0.278	30.00
64-QAM	3500.01	1.80	1/104	20.99	22.79	0.190	30.00	-7.21	
256-QAM	3529.98	1.80	1/50	18.78	20.58	0.114	30.00	-9.42	
50 MHz	π/2 BPSK	3475.02	1.80	1/1	23.17	24.97	0.314	30.00	-5.03
		3500.01	1.80	1/64	23.20	25.00	0.316	30.00	-5.00
		3525.00	1.80	1/1	23.16	24.96	0.313	30.00	-5.04
	QPSK	3475.02	1.80	1/131	23.17	24.97	0.314	30.00	-5.03
		3500.01	1.80	1/64	23.14	24.94	0.312	30.00	-5.06
		3525.00	1.80	1/64	23.16	24.96	0.313	30.00	-5.04
		16-QAM	3500.01	1.80	1/1	22.39	24.19	0.262	30.00
64-QAM	3500.01	1.80	1/1	20.81	22.61	0.182	30.00	-7.39	
256-QAM	3475.02	1.80	1/1	18.73	20.53	0.113	30.00	-9.47	
60 MHz	π/2 BPSK	3480.00	1.80	1/81	23.20	25.00	0.316	30.00	-5.00
		3500.01	1.80	1/81	23.29	25.09	0.323	30.00	-4.91
		3519.99	1.80	1/81	23.28	25.08	0.322	30.00	-4.92
	QPSK	3480.00	1.80	1/160	23.24	25.04	0.319	30.00	-4.96
		3500.01	1.80	1/81	23.28	25.08	0.322	30.00	-4.92
		3519.99	1.80	1/81	23.24	25.04	0.319	30.00	-4.96
		16-QAM	3480.00	1.80	1/1	22.48	24.28	0.268	30.00
64-QAM	3519.99	1.80	1/81	20.80	22.60	0.182	30.00	-7.40	
256-QAM	3500.01	1.80	1/81	18.83	20.63	0.116	30.00	-9.37	
70 MHz	π/2 BPSK	3485.01	1.80	1/1	23.16	24.96	0.313	30.00	-5.04
		3500.01	1.80	1/1	23.26	25.06	0.320	30.00	-4.94
		3514.98	1.80	1/1	23.18	24.98	0.315	30.00	-5.02
	QPSK	3485.01	1.80	1/1	23.30	25.10	0.324	30.00	-4.90
		3500.01	1.80	1/1	23.19	24.99	0.316	30.00	-5.01
		3514.98	1.80	1/1	23.18	24.98	0.315	30.00	-5.02
		16-QAM	3485.01	1.80	1/187	22.57	24.37	0.274	30.00
64-QAM	3500.01	1.80	1/90	20.65	22.45	0.176	30.00	-7.55	
256-QAM	3514.98	1.80	1/90	18.93	20.73	0.118	30.00	-9.27	
80 MHz	π/2 BPSK	3490.02	1.80	1/108	23.08	24.88	0.307	30.00	-5.12
		3500.01	1.80	1/215	23.04	24.84	0.305	30.00	-5.16
		3510.00	1.80	1/108	23.16	24.96	0.314	30.00	-5.04
	QPSK	3490.02	1.80	1/215	23.13	24.93	0.311	30.00	-5.07
		3500.01	1.80	1/108	23.23	25.03	0.318	30.00	-4.97
		3510.00	1.80	1/1	23.28	25.08	0.322	30.00	-4.92
		16-QAM	3500.01	1.80	1/108	22.40	24.20	0.263	30.00
64-QAM	3500.01	1.80	1/215	20.83	22.63	0.183	30.00	-7.37	
256-QAM	3510.00	1.80	1/108	18.86	20.66	0.116	30.00	-9.34	
90 MHz	π/2 BPSK	3495.00	1.80	1/120	23.08	24.88	0.308	30.00	-5.12
		3500.01	1.80	1/1	23.14	24.94	0.312	30.00	-5.06
		3504.99	1.80	1/1	23.14	24.94	0.312	30.00	-5.06
	QPSK	3495.00	1.80	1/243	23.23	25.03	0.319	30.00	-4.97
		3500.01	1.80	1/1	23.08	24.88	0.307	30.00	-5.12
		3504.99	1.80	1/243	23.18	24.98	0.315	30.00	-5.02
		16-QAM	3495.00	1.80	1/243	22.35	24.15	0.260	30.00
64-QAM	3504.99	1.80	1/243	20.94	22.74	0.188	30.00	-7.26	
256-QAM	3504.99	1.80	1/243	18.70	20.50	0.112	30.00	-9.50	
100 MHz	π/2 BPSK	3500.01	1.80	1/135	23.21	25.01	0.317	30.00	-4.99
	QPSK	3500.01	1.80	1/135	23.13	24.93	0.311	30.00	-5.07
	16-QAM	3500.01	1.80	1/271	22.31	24.11	0.258	30.00	-5.89
	64-QAM	3500.01	1.80	1/135	20.65	22.45	0.176	30.00	-7.55
	256-QAM	3500.01	1.80	1/135	18.55	20.35	0.108	30.00	-9.65

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 239 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	ERP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	2.20	1 / 12	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 1	23.24	25.44	0.350	30.00	-4.56
		3975.00	2.20	1 / 1	23.05	25.25	0.335	30.00	-4.75
	QPSK	3705.00	2.20	1 / 22	23.49	25.69	0.371	30.00	-4.31
		3840.00	2.20	1 / 12	23.23	25.43	0.349	30.00	-4.57
		3975.00	2.20	1 / 22	23.10	25.30	0.339	30.00	-4.70
	16-QAM	3705.00	2.20	1 / 12	22.72	24.92	0.310	30.00	-5.08
	64-QAM	3705.00	2.20	1 / 12	21.03	23.23	0.211	30.00	-6.77
	256-QAM	3705.00	2.20	1 / 22	19.32	21.52	0.142	30.00	-8.48
15 MHz	π/2 BPSK	3707.51	2.20	1 / 36	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 36	23.36	25.56	0.360	30.00	-4.44
		3972.50	2.20	1 / 36	23.23	25.43	0.349	30.00	-4.57
	QPSK	3707.51	2.20	1 / 36	23.49	25.69	0.370	30.00	-4.31
		3840.00	2.20	1 / 36	23.38	25.58	0.361	30.00	-4.42
		3972.50	2.20	1 / 36	23.24	25.44	0.350	30.00	-4.56
	16-QAM	3707.51	2.20	1 / 36	22.65	24.85	0.306	30.00	-5.15
	64-QAM	3707.51	2.20	1 / 36	21.46	23.66	0.232	30.00	-6.34
	256-QAM	3840.00	2.20	1 / 1	19.14	21.34	0.136	30.00	-8.66
20 MHz	π/2 BPSK	3710.01	2.20	1 / 49	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 25	23.37	25.57	0.360	30.00	-4.43
		3969.99	2.20	1 / 49	23.21	25.41	0.348	30.00	-4.59
	QPSK	3710.01	2.20	1 / 49	23.40	25.60	0.363	30.00	-4.40
		3840.00	2.20	1 / 49	23.33	25.53	0.358	30.00	-4.47
		3969.99	2.20	1 / 49	23.19	25.39	0.346	30.00	-4.61
	16-QAM	3710.01	2.20	1 / 25	22.66	24.86	0.306	30.00	-5.14
	64-QAM	3710.01	2.20	1 / 1	21.39	23.59	0.228	30.00	-6.41
	256-QAM	3840.00	2.20	1 / 49	19.24	21.44	0.139	30.00	-8.56
30 MHz	π/2 BPSK	3715.02	2.20	1 / 36	23.43	25.63	0.366	30.00	-4.37
		3840.00	2.20	1 / 76	23.35	25.55	0.359	30.00	-4.45
		3964.98	2.20	1 / 1	23.40	25.60	0.363	30.00	-4.40
	QPSK	3715.02	2.20	1 / 76	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 76	23.38	25.58	0.361	30.00	-4.42
		3964.98	2.20	1 / 1	23.32	25.52	0.357	30.00	-4.48
	16-QAM	3715.02	2.20	1 / 1	22.68	24.88	0.307	30.00	-5.12
	64-QAM	3715.02	2.20	1 / 1	21.32	23.52	0.225	30.00	-6.48
	256-QAM	3715.02	2.20	1 / 76	19.14	21.34	0.136	30.00	-8.66
40 MHz	π/2 BPSK	3720.00	2.20	1 / 104	23.49	25.69	0.371	30.00	-4.31
		3840.00	2.20	1 / 104	23.43	25.63	0.366	30.00	-4.37
		3960.00	2.20	1 / 1	23.36	25.56	0.360	30.00	-4.44
	QPSK	3720.00	2.20	1 / 1	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 104	23.43	25.63	0.366	30.00	-4.37
		3960.00	2.20	1 / 1	23.38	25.58	0.361	30.00	-4.42
	16-QAM	3720.00	2.20	1 / 1	22.88	25.08	0.322	30.00	-4.92
	64-QAM	3720.00	2.20	1 / 104	21.32	23.52	0.225	30.00	-6.48
	256-QAM	3720.00	2.20	1 / 50	19.33	21.53	0.142	30.00	-8.47
50 MHz	π/2 BPSK	3725.01	2.20	1 / 64	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 131	23.33	25.53	0.358	30.00	-4.47
		3954.99	2.20	1 / 1	23.39	25.59	0.362	30.00	-4.41
	QPSK	3725.01	2.20	1 / 131	23.45	25.65	0.367	30.00	-4.35
		3840.00	2.20	1 / 131	23.32	25.52	0.356	30.00	-4.48
		3954.99	2.20	1 / 1	23.17	25.37	0.345	30.00	-4.63
	16-QAM	3725.01	2.20	1 / 131	22.80	25.00	0.316	30.00	-5.00
	64-QAM	3725.01	2.20	1 / 131	21.20	23.40	0.219	30.00	-6.60
	256-QAM	3725.01	2.20	1 / 131	19.24	21.44	0.139	30.00	-8.56
60 MHz	π/2 BPSK	3730.02	2.20	1 / 81	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 81	23.10	25.30	0.338	30.00	-4.70
		3949.98	2.20	1 / 1	23.19	25.39	0.346	30.00	-4.61
	QPSK	3730.02	2.20	1 / 81	23.47	25.67	0.369	30.00	-4.33
		3840.00	2.20	1 / 160	23.24	25.44	0.350	30.00	-4.56
		3949.98	2.20	1 / 81	23.21	25.41	0.347	30.00	-4.59
	16-QAM	3730.02	2.20	1 / 81	22.57	24.77	0.300	30.00	-5.23
	64-QAM	3730.02	2.20	1 / 1	21.19	23.39	0.219	30.00	-6.61
	256-QAM	3730.02	2.20	1 / 1	19.22	21.42	0.139	30.00	-8.58
70 MHz	π/2 BPSK	3735.00	2.20	1 / 90	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 90	23.19	25.39	0.346	30.00	-4.61
		3945.00	2.20	1 / 1	23.14	25.34	0.342	30.00	-4.66
	QPSK	3735.00	2.20	1 / 90	23.48	25.68	0.370	30.00	-4.32
		3840.00	2.20	1 / 90	23.26	25.46	0.352	30.00	-4.54
		3945.00	2.20	1 / 1	23.15	25.35	0.343	30.00	-4.65
	16-QAM	3735.00	2.20	1 / 90	22.65	24.85	0.306	30.00	-5.15
	64-QAM	3735.00	2.20	1 / 187	21.00	23.20	0.209	30.00	-6.80
	256-QAM	3735.00	2.20	1 / 90	19.02	21.22	0.132	30.00	-8.78
80 MHz	π/2 BPSK	3740.01	2.20	1 / 1	23.46	25.66	0.368	30.00	-4.34
		3840.00	2.20	1 / 108	23.24	25.44	0.350	30.00	-4.56
		3939.99	2.20	1 / 108	23.25	25.45	0.351	30.00	-4.55
	QPSK	3740.01	2.20	1 / 1	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 108	23.28	25.48	0.353	30.00	-4.52
		3939.99	2.20	1 / 108	23.22	25.42	0.348	30.00	-4.58
	16-QAM	3740.01	2.20	1 / 108	22.49	24.69	0.294	30.00	-5.31
	64-QAM	3740.01	2.20	1 / 215	21.08	23.28	0.213	30.00	-6.72
	256-QAM	3740.01	2.20	1 / 108	19.20	21.40	0.138	30.00	-8.60
90 MHz	π/2 BPSK	3745.02	2.20	1 / 1	23.40	25.60	0.363	30.00	-4.40
		3840.00	2.20	1 / 243	23.36	25.56	0.360	30.00	-4.44
		3934.98	2.20	1 / 1	23.22	25.42	0.348	30.00	-4.58
	QPSK	3745.02	2.20	1 / 120	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 120	23.29	25.49	0.354	30.00	-4.51
		3934.98	2.20	1 / 1	23.29	25.49	0.354	30.00	-4.51
	16-QAM	3745.02	2.20	1 / 243	22.72	24.92	0.311	30.00	-5.08
	64-QAM	3745.02	2.20	1 / 1	21.17	23.37	0.217	30.00	-6.63
	256-QAM	3745.02	2.20	1 / 243	19.27	21.47	0.140	30.00	-8.53
100 MHz	π/2 BPSK	3750.00	2.20	1 / 135	23.50	25.70	0.372	30.00	-4.30
		3840.00	2.20	1 / 271	23.39	25.59	0.362	30.00	-4.41
		3930.00	2.20	1 / 135	23.24	25.44	0.350	30.00	-4.56
	QPSK	3750.00	2.20	1 / 135	23.44	25.64	0.367	30.00	-4.36
		3840.00	2.20	1 / 135	23.41	25.61	0.364	30.00	-4.39
		3930.00	2.20	1 / 1	23.35	25.55	0.359	30.00	-4.45
	16-QAM	3750.00	2.20	1 / 135	22.53	24.73	0.297	30.00	-5.27
	64-QAM	3750.00	2.20	1 / 135	21.09	23.29	0.214	30.00	-6.71
	256-QAM	3750.00	2.20	1 / 1	19.30	21.50	0.141	30.00	-8.50

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 240 of 266

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	2.20	1 / 12	23.26	25.46	0.352	30.00	-4.54
		3840.00	2.20	1 / 22	23.19	25.39	0.346	30.00	-4.61
		3975.00	2.20	1 / 12	23.04	25.24	0.334	30.00	-4.76
	QPSK	3705.00	2.20	1 / 12	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 12	23.22	25.42	0.349	30.00	-4.58
		3975.00	2.20	1 / 12	23.11	25.31	0.339	30.00	-4.69
	16-QAM	3975.00	2.20	1 / 12	22.35	24.55	0.285	30.00	-5.45
	64-QAM	3840.00	2.20	1 / 12	21.12	23.32	0.215	30.00	-6.68
256-QAM	3705.00	2.20	1 / 12	19.15	21.35	0.136	30.00	-8.65	
15 MHz	11/2 BPSK	3707.51	2.20	1 / 36	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 36	22.95	25.15	0.327	30.00	-4.85
		3972.50	2.20	1 / 1	23.21	25.41	0.347	30.00	-4.59
	QPSK	3707.51	2.20	1 / 18	23.29	25.49	0.354	30.00	-4.51
		3840.00	2.20	1 / 36	22.99	25.19	0.330	30.00	-4.81
		3972.50	2.20	1 / 18	23.13	25.33	0.341	30.00	-4.67
	16-QAM	3972.50	2.20	1 / 18	22.42	24.62	0.290	30.00	-5.38
	64-QAM	3707.51	2.20	1 / 1	21.39	23.59	0.229	30.00	-6.41
256-QAM	3707.51	2.20	1 / 1	19.46	21.66	0.146	30.00	-8.34	
20 MHz	11/2 BPSK	3710.01	2.20	1 / 1	23.28	25.48	0.353	30.00	-4.52
		3840.00	2.20	1 / 49	23.30	25.50	0.355	30.00	-4.50
		3969.99	2.20	1 / 1	23.18	25.38	0.345	30.00	-4.62
	QPSK	3710.01	2.20	1 / 1	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 49	22.87	25.07	0.321	30.00	-4.93
		3969.99	2.20	1 / 1	23.21	25.41	0.348	30.00	-4.59
	16-QAM	3710.01	2.20	1 / 49	22.55	24.75	0.298	30.00	-5.25
	64-QAM	3710.01	2.20	1 / 1	21.40	23.60	0.229	30.00	-6.40
256-QAM	3969.99	2.20	1 / 49	19.40	21.60	0.144	30.00	-8.40	
30 MHz	11/2 BPSK	3715.02	2.20	1 / 76	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 1	23.27	25.47	0.352	30.00	-4.53
		3964.98	2.20	1 / 76	23.17	25.37	0.344	30.00	-4.63
	QPSK	3715.02	2.20	1 / 76	23.28	25.48	0.354	30.00	-4.52
		3840.00	2.20	1 / 36	22.90	25.10	0.324	30.00	-4.90
		3964.98	2.20	1 / 36	23.26	25.46	0.352	30.00	-4.54
	16-QAM	3715.02	2.20	1 / 1	22.46	24.66	0.292	30.00	-5.34
	64-QAM	3715.02	2.20	1 / 76	21.36	23.56	0.227	30.00	-6.44
256-QAM	3715.02	2.20	1 / 76	19.24	21.44	0.139	30.00	-8.56	
40 MHz	11/2 BPSK	3720.00	2.20	1 / 1	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 1	22.86	25.06	0.321	30.00	-4.94
		3960.00	2.20	1 / 104	23.29	25.49	0.354	30.00	-4.51
	QPSK	3720.00	2.20	1 / 1	23.27	25.47	0.353	30.00	-4.53
		3840.00	2.20	1 / 50	23.28	25.48	0.353	30.00	-4.52
		3960.00	2.20	1 / 50	23.26	25.46	0.352	30.00	-4.54
	16-QAM	3960.00	2.20	1 / 50	22.65	24.85	0.306	30.00	-5.15
	64-QAM	3960.00	2.20	1 / 104	21.74	23.94	0.248	30.00	-6.06
256-QAM	3960.00	2.20	1 / 271	19.57	21.77	0.150	30.00	-8.23	
50 MHz	11/2 BPSK	3725.01	2.20	1 / 64	23.28	25.48	0.353	30.00	-4.52
		3840.00	2.20	1 / 64	23.28	25.48	0.353	30.00	-4.52
		3954.99	2.20	1 / 1	23.30	25.50	0.355	30.00	-4.50
	QPSK	3725.01	2.20	1 / 64	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 64	23.28	25.48	0.353	30.00	-4.52
		3954.99	2.20	1 / 1	23.28	25.48	0.353	30.00	-4.52
	16-QAM	3840.00	2.20	1 / 131	22.30	24.50	0.282	30.00	-5.50
	64-QAM	3725.01	2.20	1 / 64	21.08	23.28	0.213	30.00	-6.72
256-QAM	3725.01	2.20	1 / 64	19.02	21.22	0.132	30.00	-8.78	
60 MHz	11/2 BPSK	3730.02	2.20	1 / 160	23.24	25.44	0.350	30.00	-4.56
		3840.00	2.20	1 / 160	23.17	25.37	0.344	30.00	-4.63
		3949.98	2.20	1 / 1	23.18	25.38	0.345	30.00	-4.62
	QPSK	3730.02	2.20	1 / 81	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 160	23.23	25.43	0.349	30.00	-4.57
		3949.98	2.20	1 / 1	23.22	25.42	0.348	30.00	-4.58
	16-QAM	3949.98	2.20	1 / 1	22.33	24.53	0.284	30.00	-5.47
	64-QAM	3730.02	2.20	1 / 160	21.19	23.39	0.219	30.00	-6.61
256-QAM	3730.02	2.20	1 / 1	18.93	21.13	0.130	30.00	-8.87	
70 MHz	11/2 BPSK	3735.00	2.20	1 / 90	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 90	23.26	25.46	0.352	30.00	-4.54
		3945.00	2.20	1 / 1	23.27	25.47	0.352	30.00	-4.53
	QPSK	3735.00	2.20	1 / 1	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 187	23.22	25.42	0.348	30.00	-4.58
		3945.00	2.20	1 / 90	23.22	25.42	0.348	30.00	-4.58
	16-QAM	3945.00	2.20	1 / 90	22.40	24.60	0.288	30.00	-5.40
	64-QAM	3735.00	2.20	1 / 1	21.12	23.32	0.215	30.00	-6.68
256-QAM	3735.00	2.20	1 / 90	19.13	21.33	0.136	30.00	-8.67	
80 MHz	11/2 BPSK	3740.01	2.20	1 / 108	23.27	25.47	0.353	30.00	-4.53
		3840.00	2.20	1 / 1	23.07	25.27	0.337	30.00	-4.73
		3939.99	2.20	1 / 1	23.22	25.42	0.349	30.00	-4.58
	QPSK	3740.01	2.20	1 / 108	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 108	23.15	25.35	0.342	30.00	-4.65
		3939.99	2.20	1 / 1	23.27	25.47	0.352	30.00	-4.53
	16-QAM	3840.00	2.20	1 / 108	22.50	24.70	0.295	30.00	-5.30
	64-QAM	3840.00	2.20	1 / 215	21.10	23.30	0.214	30.00	-6.70
256-QAM	3740.01	2.20	1 / 108	19.11	21.31	0.135	30.00	-8.69	
90 MHz	11/2 BPSK	3745.02	2.20	1 / 1	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 120	23.20	25.40	0.347	30.00	-4.60
		3934.98	2.20	1 / 120	22.91	25.11	0.324	30.00	-4.89
	QPSK	3745.02	2.20	1 / 120	23.17	25.37	0.344	30.00	-4.63
		3840.00	2.20	1 / 243	23.30	25.50	0.355	30.00	-4.50
		3934.98	2.20	1 / 120	23.30	25.50	0.355	30.00	-4.50
	16-QAM	3840.00	2.20	1 / 243	22.25	24.45	0.279	30.00	-5.55
	64-QAM	3745.02	2.20	1 / 1	21.10	23.30	0.214	30.00	-6.70
256-QAM	3934.98	2.20	1 / 1	19.03	21.23	0.133	30.00	-8.77	
100 MHz	11/2 BPSK	3750.00	2.20	1 / 1	23.30	25.50	0.355	30.00	-4.50
		3840.00	2.20	1 / 271	23.30	25.50	0.355	30.00	-4.50
		3930.00	2.20	1 / 135	23.24	25.44	0.350	30.00	-4.56
	QPSK	3750.00	2.20	1 / 271	23.07	25.27	0.337	30.00	-4.73
		3840.00	2.20	1 / 135	23.22	25.42	0.349	30.00	-4.58
		3930.00	2.20	1 / 135	23.23	25.43	0.349	30.00	-4.57
	16-QAM	3840.00	2.20	1 / 1	22.41	24.61	0.289	30.00	-5.39
	64-QAM	3750.00	2.20	1 / 271	21.09	23.29	0.213	30.00	-6.71
256-QAM	3930.00	2.20	1 / 135	19.02	21.22	0.132	30.00	-8.78	

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 241 of 266

7.6.3 Antenna 4 – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.80	1 / 1	27.00	28.80	0.759	30.00	-1.20
		3500.01	1.80	1 / 1	26.91	28.71	0.743	30.00	-1.29
		3544.98	1.80	1 / 12	26.84	28.64	0.731	30.00	-1.36
	QPSK	3455.01	1.80	1 / 1	26.95	28.75	0.750	30.00	-1.25
		3500.01	1.80	1 / 1	26.93	28.73	0.746	30.00	-1.27
		3544.98	1.80	1 / 22	26.88	28.68	0.738	30.00	-1.32
	16-QAM	3455.01	1.80	1 / 22	26.06	27.86	0.610	30.00	-2.14
	64-QAM	3455.01	1.80	1 / 1	25.01	26.81	0.480	30.00	-3.19
	256-QAM	3500.01	1.80	1 / 22	23.16	24.96	0.313	30.00	-5.04
	15 MHz	π/2 BPSK	3457.50	1.80	1 / 1	27.00	28.80	0.759	30.00
3500.01			1.80	1 / 36	26.93	28.73	0.746	30.00	-1.27
3542.49			1.80	1 / 1	26.79	28.59	0.723	30.00	-1.41
QPSK		3457.50	1.80	1 / 36	26.91	28.71	0.743	30.00	-1.29
		3500.01	1.80	1 / 18	26.85	28.65	0.733	30.00	-1.35
		3542.49	1.80	1 / 1	26.81	28.61	0.726	30.00	-1.39
16-QAM		3500.01	1.80	1 / 1	26.19	27.99	0.630	30.00	-2.01
64-QAM		3542.49	1.80	1 / 36	25.09	26.89	0.489	30.00	-3.11
256-QAM		3457.50	1.80	1 / 1	23.10	24.90	0.309	30.00	-5.10
20 MHz		π/2 BPSK	3460.02	1.80	1 / 1	26.99	28.79	0.756	30.00
	3500.01		1.80	1 / 49	26.96	28.76	0.752	30.00	-1.24
	3540.00		1.80	1 / 1	26.90	28.70	0.741	30.00	-1.30
	QPSK	3460.02	1.80	1 / 49	26.99	28.79	0.757	30.00	-1.21
		3500.01	1.80	1 / 1	27.00	28.80	0.759	30.00	-1.20
		3540.00	1.80	1 / 25	26.86	28.66	0.735	30.00	-1.34
	16-QAM	3500.01	1.80	1 / 49	26.19	27.99	0.629	30.00	-2.01
	64-QAM	3500.01	1.80	1 / 25	25.36	27.16	0.521	30.00	-2.84
	256-QAM	3460.02	1.80	1 / 1	23.25	25.05	0.320	30.00	-4.95
	30 MHz	π/2 BPSK	3465.00	1.80	1 / 76	26.99	28.79	0.757	30.00
3500.01			1.80	1 / 1	27.00	28.80	0.759	30.00	-1.20
3534.99			1.80	1 / 1	26.96	28.76	0.751	30.00	-1.24
QPSK		3465.00	1.80	1 / 76	26.99	28.79	0.758	30.00	-1.21
		3500.01	1.80	1 / 1	26.96	28.76	0.752	30.00	-1.24
		3534.99	1.80	1 / 1	26.98	28.78	0.754	30.00	-1.22
16-QAM		3465.00	1.80	1 / 1	26.16	27.96	0.625	30.00	-2.04
64-QAM		3534.99	1.80	1 / 1	25.42	27.22	0.527	30.00	-2.78
256-QAM		3500.01	1.80	1 / 76	23.43	25.23	0.334	30.00	-4.77
40 MHz		π/2 BPSK	3470.01	1.80	1 / 104	27.00	28.80	0.759	30.00
	3500.01		1.80	1 / 1	26.86	28.66	0.735	30.00	-1.34
	3529.98		1.80	1 / 1	26.83	28.63	0.729	30.00	-1.37
	QPSK	3470.01	1.80	1 / 104	26.86	28.66	0.734	30.00	-1.34
		3500.01	1.80	1 / 104	26.97	28.77	0.754	30.00	-1.23
		3529.98	1.80	1 / 1	26.87	28.67	0.736	30.00	-1.33
	16-QAM	3500.01	1.80	1 / 1	26.18	27.98	0.627	30.00	-2.02
	64-QAM	3500.01	1.80	1 / 1	24.99	26.79	0.478	30.00	-3.21
	256-QAM	3500.01	1.80	1 / 1	23.13	24.93	0.311	30.00	-5.07
	50 MHz	π/2 BPSK	3475.02	1.80	1 / 1	26.99	28.79	0.757	30.00
3500.01			1.80	1 / 1	27.00	28.80	0.759	30.00	-1.20
3525.00			1.80	1 / 1	26.86	28.66	0.735	30.00	-1.34
QPSK		3475.02	1.80	1 / 64	26.88	28.68	0.738	30.00	-1.32
		3500.01	1.80	1 / 64	26.96	28.76	0.752	30.00	-1.24
		3525.00	1.80	1 / 1	26.75	28.55	0.717	30.00	-1.45
16-QAM		3525.00	1.80	1 / 1	26.04	27.84	0.608	30.00	-2.16
64-QAM		3525.00	1.80	1 / 1	25.32	27.12	0.515	30.00	-2.88
256-QAM		3500.01	1.80	1 / 131	23.32	25.12	0.325	30.00	-4.88
60 MHz		π/2 BPSK	3480.00	1.80	1 / 81	27.00	28.80	0.759	30.00
	3500.01		1.80	1 / 1	26.95	28.75	0.750	30.00	-1.25
	3519.99		1.80	1 / 1	26.95	28.75	0.749	30.00	-1.25
	QPSK	3480.00	1.80	1 / 81	26.96	28.76	0.752	30.00	-1.24
		3500.01	1.80	1 / 1	26.96	28.76	0.752	30.00	-1.24
		3519.99	1.80	1 / 81	26.95	28.75	0.751	30.00	-1.25
	16-QAM	3480.00	1.80	1 / 81	26.26	28.06	0.639	30.00	-1.94
	64-QAM	3480.00	1.80	1 / 1	25.11	26.91	0.491	30.00	-3.09
	256-QAM	3500.01	1.80	1 / 81	22.93	24.73	0.297	30.00	-5.27
	70 MHz	π/2 BPSK	3485.01	1.80	1 / 1	27.00	28.80	0.759	30.00
3500.01			1.80	1 / 1	26.99	28.79	0.757	30.00	-1.21
3514.98			1.80	1 / 1	26.90	28.70	0.741	30.00	-1.30
QPSK		3485.01	1.80	1 / 1	26.94	28.74	0.749	30.00	-1.26
		3500.01	1.80	1 / 1	26.95	28.75	0.750	30.00	-1.25
		3514.98	1.80	1 / 90	26.84	28.64	0.732	30.00	-1.36
16-QAM		3500.01	1.80	1 / 1	26.29	28.09	0.645	30.00	-1.91
64-QAM		3485.01	1.80	1 / 1	25.10	26.90	0.490	30.00	-3.10
256-QAM		3500.01	1.80	1 / 90	22.96	24.76	0.299	30.00	-5.24
80 MHz		π/2 BPSK	3490.02	1.80	1 / 1	26.97	28.77	0.753	30.00
	3500.01		1.80	1 / 1	26.90	28.70	0.741	30.00	-1.30
	3510.00		1.80	1 / 108	26.90	28.70	0.741	30.00	-1.30
	QPSK	3490.02	1.80	1 / 1	26.95	28.75	0.750	30.00	-1.25
		3500.01	1.80	1 / 108	27.00	28.80	0.759	30.00	-1.20
		3510.00	1.80	1 / 1	26.99	28.79	0.757	30.00	-1.21
	16-QAM	3490.02	1.80	1 / 108	26.11	27.91	0.618	30.00	-2.09
	64-QAM	3510.00	1.80	1 / 215	25.08	26.88	0.488	30.00	-3.12
	256-QAM	3490.02	1.80	1 / 1	22.93	24.73	0.297	30.00	-5.27
	90 MHz	π/2 BPSK	3495.00	1.80	1 / 1	26.89	28.69	0.740	30.00
3500.01			1.80	1 / 120	26.87	28.67	0.737	30.00	-1.33
3504.99			1.80	1 / 243	26.90	28.70	0.741	30.00	-1.30
QPSK		3495.00	1.80	1 / 1	26.93	28.73	0.746	30.00	-1.27
		3500.01	1.80	1 / 120	26.92	28.72	0.744	30.00	-1.28
		3504.99	1.80	1 / 243	27.00	28.80	0.759	30.00	-1.20
16-QAM		3504.99	1.80	1 / 1	26.07	27.87	0.612	30.00	-2.13
64-QAM		3500.01	1.80	1 / 1	25.11	26.91	0.491	30.00	-3.09
256-QAM		3500.01	1.80	1 / 243	22.90	24.70	0.295	30.00	-5.30
100 MHz		π/2 BPSK	3500.01	1.80	1 / 1	27.00	28.80	0.759	30.00
	QPSK	3500.01	1.80	1 / 135	26.89	28.69	0.740	30.00	-1.31
	16-QAM	3500.01	1.80	1 / 1	25.85	27.65	0.582	30.00	-2.35
	64-QAM	3500.01	1.80	1 / 1	24.98	26.78	0.476	30.00	-3.22
	256-QAM	3500.01	1.80	1 / 271	22.84	24.64	0.291	30.00	-5.36

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 242 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	1.80	1 / 12	25.66	27.46	0.557	30.00	-2.54
		3500.01	1.80	1 / 22	25.58	27.38	0.547	30.00	-2.62
		3544.98	1.80	1 / 12	25.56	27.36	0.544	30.00	-2.64
	QPSK	3455.01	1.80	1 / 12	25.70	27.50	0.562	30.00	-2.50
		3500.01	1.80	1 / 22	25.61	27.41	0.551	30.00	-2.59
		3544.98	1.80	1 / 22	25.60	27.40	0.550	30.00	-2.60
	16-QAM	3544.98	1.80	1 / 22	25.04	26.84	0.483	30.00	-3.16
	64-QAM	3455.01	1.80	1 / 12	23.66	25.46	0.351	30.00	-4.54
	256-QAM	3455.01	1.80	1 / 22	21.65	23.45	0.221	30.00	-6.55
15 MHz	π/2 BPSK	3457.50	1.80	1 / 1	25.70	27.50	0.562	30.00	-2.50
		3500.01	1.80	1 / 1	25.58	27.38	0.547	30.00	-2.62
		3542.49	1.80	1 / 1	25.50	27.30	0.537	30.00	-2.70
	QPSK	3457.50	1.80	1 / 36	25.63	27.43	0.553	30.00	-2.57
		3500.01	1.80	1 / 36	25.69	27.49	0.560	30.00	-2.51
		3542.49	1.80	1 / 1	25.56	27.36	0.544	30.00	-2.64
	16-QAM	3542.49	1.80	1 / 36	24.90	26.70	0.467	30.00	-3.30
	64-QAM	3542.49	1.80	1 / 1	23.83	25.63	0.366	30.00	-4.37
	256-QAM	3457.50	1.80	1 / 1	21.78	23.58	0.228	30.00	-6.42
20 MHz	π/2 BPSK	3460.02	1.80	1 / 1	25.70	27.50	0.562	30.00	-2.50
		3500.01	1.80	1 / 49	25.68	27.48	0.560	30.00	-2.52
		3540.00	1.80	1 / 49	25.51	27.31	0.538	30.00	-2.69
	QPSK	3460.02	1.80	1 / 25	25.63	27.43	0.553	30.00	-2.57
		3500.01	1.80	1 / 49	25.66	27.46	0.557	30.00	-2.54
		3540.00	1.80	1 / 1	25.54	27.34	0.541	30.00	-2.66
	16-QAM	3460.02	1.80	1 / 49	24.70	26.50	0.447	30.00	-3.50
	64-QAM	3500.01	1.80	1 / 49	23.81	25.61	0.364	30.00	-4.39
	256-QAM	3460.02	1.80	1 / 1	21.79	23.59	0.228	30.00	-6.41
30 MHz	π/2 BPSK	3465.00	1.80	1 / 1	25.67	27.47	0.559	30.00	-2.53
		3500.01	1.80	1 / 1	25.67	27.47	0.558	30.00	-2.53
		3534.99	1.80	1 / 76	25.56	27.36	0.545	30.00	-2.64
	QPSK	3465.00	1.80	1 / 1	25.70	27.50	0.562	30.00	-2.50
		3500.01	1.80	1 / 1	25.67	27.47	0.559	30.00	-2.53
		3534.99	1.80	1 / 1	25.57	27.37	0.545	30.00	-2.63
	16-QAM	3465.00	1.80	1 / 1	24.82	26.62	0.459	30.00	-3.38
	64-QAM	3534.99	1.80	1 / 1	23.75	25.55	0.359	30.00	-4.45
	256-QAM	3500.01	1.80	1 / 1	21.80	23.60	0.229	30.00	-6.40
40 MHz	π/2 BPSK	3470.01	1.80	1 / 104	25.69	27.49	0.561	30.00	-2.51
		3500.01	1.80	1 / 1	25.64	27.44	0.555	30.00	-2.56
		3529.98	1.80	1 / 104	25.67	27.47	0.559	30.00	-2.53
	QPSK	3470.01	1.80	1 / 104	25.70	27.50	0.562	30.00	-2.50
		3500.01	1.80	1 / 1	25.59	27.39	0.548	30.00	-2.61
		3529.98	1.80	1 / 1	25.60	27.40	0.549	30.00	-2.60
	16-QAM	3529.98	1.80	1 / 1	24.88	26.68	0.466	30.00	-3.32
	64-QAM	3470.01	1.80	1 / 1	23.68	25.48	0.353	30.00	-4.52
	256-QAM	3470.01	1.80	1 / 1	21.71	23.51	0.224	30.00	-6.49
50 MHz	π/2 BPSK	3475.02	1.80	1 / 1	25.70	27.50	0.562	30.00	-2.50
		3500.01	1.80	1 / 1	25.69	27.49	0.561	30.00	-2.51
		3525.00	1.80	1 / 1	25.69	27.49	0.561	30.00	-2.51
	QPSK	3475.02	1.80	1 / 1	25.69	27.49	0.561	30.00	-2.51
		3500.01	1.80	1 / 1	25.67	27.47	0.559	30.00	-2.53
		3525.00	1.80	1 / 1	25.67	27.47	0.558	30.00	-2.53
	16-QAM	3500.01	1.80	1 / 1	24.96	26.76	0.474	30.00	-3.24
	64-QAM	3500.01	1.80	1 / 64	23.90	25.70	0.372	30.00	-4.30
	256-QAM	3475.02	1.80	1 / 1	21.86	23.66	0.232	30.00	-6.34
60 MHz	π/2 BPSK	3480.00	1.80	1 / 160	25.61	27.41	0.550	30.00	-2.59
		3500.01	1.80	1 / 81	25.51	27.31	0.539	30.00	-2.69
		3519.99	1.80	1 / 81	25.48	27.28	0.535	30.00	-2.72
	QPSK	3480.00	1.80	1 / 81	25.59	27.39	0.548	30.00	-2.61
		3500.01	1.80	1 / 81	25.70	27.50	0.562	30.00	-2.50
		3519.99	1.80	1 / 81	25.41	27.21	0.526	30.00	-2.79
	16-QAM	3519.99	1.80	1 / 1	24.74	26.54	0.451	30.00	-3.46
	64-QAM	3480.00	1.80	1 / 160	23.59	25.39	0.346	30.00	-4.61
	256-QAM	3480.00	1.80	1 / 160	21.57	23.37	0.217	30.00	-6.63
70 MHz	π/2 BPSK	3485.01	1.80	1 / 90	25.58	27.38	0.547	30.00	-2.62
		3500.01	1.80	1 / 1	25.54	27.34	0.542	30.00	-2.66
		3514.98	1.80	1 / 1	25.68	27.48	0.560	30.00	-2.52
	QPSK	3485.01	1.80	1 / 1	25.61	27.41	0.551	30.00	-2.59
		3500.01	1.80	1 / 1	25.70	27.50	0.562	30.00	-2.50
		3514.98	1.80	1 / 1	25.56	27.36	0.544	30.00	-2.64
	16-QAM	3500.01	1.80	1 / 1	24.90	26.70	0.468	30.00	-3.30
	64-QAM	3514.98	1.80	1 / 90	23.68	25.48	0.353	30.00	-4.52
	256-QAM	3500.01	1.80	1 / 1	21.89	23.69	0.234	30.00	-6.31
80 MHz	π/2 BPSK	3490.02	1.80	1 / 108	25.65	27.45	0.556	30.00	-2.55
		3500.01	1.80	1 / 215	25.70	27.50	0.562	30.00	-2.50
		3510.00	1.80	1 / 1	25.64	27.44	0.554	30.00	-2.56
	QPSK	3490.02	1.80	1 / 1	25.65	27.45	0.556	30.00	-2.55
		3500.01	1.80	1 / 215	25.63	27.43	0.553	30.00	-2.57
		3510.00	1.80	1 / 215	25.51	27.31	0.539	30.00	-2.69
	16-QAM	3510.00	1.80	1 / 108	24.72	26.52	0.449	30.00	-3.48
	64-QAM	3490.02	1.80	1 / 1	23.81	25.61	0.364	30.00	-4.39
	256-QAM	3510.00	1.80	1 / 1	21.67	23.47	0.222	30.00	-6.53
90 MHz	π/2 BPSK	3495.00	1.80	1 / 243	25.61	27.41	0.550	30.00	-2.59
		3500.01	1.80	1 / 120	25.49	27.29	0.536	30.00	-2.71
		3504.99	1.80	1 / 243	25.50	27.30	0.536	30.00	-2.70
	QPSK	3495.00	1.80	1 / 243	25.54	27.34	0.542	30.00	-2.66
		3500.01	1.80	1 / 243	25.56	27.36	0.545	30.00	-2.64
		3504.99	1.80	1 / 243	25.70	27.50	0.562	30.00	-2.50
	16-QAM	3500.01	1.80	1 / 120	24.59	26.39	0.435	30.00	-3.61
	64-QAM	3500.01	1.80	1 / 243	23.69	25.49	0.354	30.00	-4.51
	256-QAM	3495.00	1.80	1 / 243	21.84	23.64	0.231	30.00	-6.36
100 MHz	π/2 BPSK	3500.01	1.80	1 / 135	25.70	27.50	0.562	30.00	-2.50
	QPSK	3500.01	1.80	1 / 271	25.50	27.30	0.537	30.00	-2.70
		3500.01	1.80	1 / 1	25.39	27.19	0.524	30.00	-2.81
	16-QAM	3500.01	1.80	1 / 271	23.73	25.53	0.357	30.00	-4.47
	256-QAM	3500.01	1.80	1 / 271	21.61	23.41	0.219	30.00	-6.59

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 243 of 266

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	1.40	1 / 12	26.94	28.34	0.693	30.00	-1.66
		3840.00	1.40	1 / 12	26.91	28.31	0.678	30.00	-1.69
		3975.00	1.40	1 / 12	26.83	28.23	0.665	30.00	-1.77
	QPSK	3705.00	1.40	1 / 12	27.00	28.40	0.692	30.00	-1.60
		3840.00	1.40	1 / 22	26.76	28.16	0.654	30.00	-1.84
		3975.00	1.40	1 / 1	26.84	28.24	0.668	30.00	-1.76
	16-QAM	3705.00	1.40	1 / 22	26.12	27.52	0.564	30.00	-2.48
	64-QAM	3705.00	1.40	1 / 22	24.75	26.15	0.413	30.00	-3.85
	256-QAM	3705.00	1.40	1 / 22	22.85	24.25	0.266	30.00	-5.75
	15 MHz	π/2 BPSK	3707.51	1.40	1 / 36	27.00	28.40	0.692	30.00
3840.00			1.40	1 / 36	26.91	28.31	0.677	30.00	-1.69
3972.50			1.40	1 / 18	26.96	28.36	0.685	30.00	-1.64
QPSK		3707.51	1.40	1 / 36	26.97	28.37	0.687	30.00	-1.63
		3840.00	1.40	1 / 18	26.95	28.35	0.684	30.00	-1.65
		3972.50	1.40	1 / 36	26.98	28.38	0.689	30.00	-1.62
16-QAM		3972.50	1.40	1 / 36	26.38	27.78	0.599	30.00	-2.22
64-QAM		3707.51	1.40	1 / 36	24.80	26.20	0.417	30.00	-3.80
256-QAM		3707.51	1.40	1 / 36	22.93	24.33	0.271	30.00	-5.67
20 MHz		π/2 BPSK	3710.01	1.40	1 / 49	26.92	28.32	0.679	30.00
	3840.00		1.40	1 / 25	26.98	28.38	0.688	30.00	-1.62
	3969.99		1.40	1 / 25	26.92	28.32	0.679	30.00	-1.68
	QPSK	3710.01	1.40	1 / 49	27.00	28.40	0.692	30.00	-1.60
		3840.00	1.40	1 / 49	26.92	28.32	0.679	30.00	-1.68
		3969.99	1.40	1 / 49	26.94	28.34	0.683	30.00	-1.66
	16-QAM	3710.01	1.40	1 / 1	26.11	27.51	0.563	30.00	-2.49
	64-QAM	3969.99	1.40	1 / 25	24.90	26.30	0.427	30.00	-3.70
	256-QAM	3710.01	1.40	1 / 25	22.73	24.13	0.259	30.00	-5.87
	30 MHz	π/2 BPSK	3715.02	1.40	1 / 76	27.00	28.40	0.692	30.00
3840.00			1.40	1 / 76	26.95	28.35	0.683	30.00	-1.65
3964.98			1.40	1 / 76	26.90	28.30	0.676	30.00	-1.70
QPSK		3715.02	1.40	1 / 76	26.97	28.37	0.687	30.00	-1.63
		3840.00	1.40	1 / 76	26.98	28.38	0.689	30.00	-1.62
		3964.98	1.40	1 / 76	26.92	28.32	0.679	30.00	-1.68
16-QAM		3715.02	1.40	1 / 1	26.08	27.48	0.559	30.00	-2.52
64-QAM		3840.00	1.40	1 / 76	24.81	26.21	0.417	30.00	-3.79
256-QAM		3715.02	1.40	1 / 1	22.70	24.10	0.257	30.00	-5.90
40 MHz		π/2 BPSK	3720.00	1.40	1 / 104	27.00	28.40	0.692	30.00
	3840.00		1.40	1 / 1	26.97	28.37	0.687	30.00	-1.63
	3960.00		1.40	1 / 1	26.70	28.10	0.646	30.00	-1.90
	QPSK	3720.00	1.40	1 / 104	26.99	28.39	0.691	30.00	-1.61
		3840.00	1.40	1 / 1	26.99	28.39	0.690	30.00	-1.61
		3960.00	1.40	1 / 1	26.73	28.13	0.651	30.00	-1.87
	16-QAM	3720.00	1.40	1 / 50	26.20	27.60	0.576	30.00	-2.40
	64-QAM	3720.00	1.40	1 / 104	24.96	26.36	0.433	30.00	-3.64
	256-QAM	3840.00	1.40	1 / 104	22.68	24.08	0.256	30.00	-5.92
	50 MHz	π/2 BPSK	3725.01	1.40	1 / 64	27.00	28.40	0.692	30.00
3840.00			1.40	1 / 131	26.88	28.28	0.673	30.00	-1.72
3954.99			1.40	1 / 1	26.93	28.33	0.681	30.00	-1.67
QPSK		3725.01	1.40	1 / 64	26.95	28.35	0.684	30.00	-1.65
		3840.00	1.40	1 / 131	26.93	28.33	0.682	30.00	-1.67
		3954.99	1.40	1 / 64	26.91	28.31	0.677	30.00	-1.69
16-QAM		3725.01	1.40	1 / 64	26.08	27.48	0.560	30.00	-2.52
64-QAM		3725.01	1.40	1 / 131	24.76	26.16	0.413	30.00	-3.84
256-QAM		3725.01	1.40	1 / 131	22.80	24.20	0.263	30.00	-5.80
60 MHz		π/2 BPSK	3730.02	1.40	1 / 160	27.00	28.40	0.692	30.00
	3840.00		1.40	1 / 160	26.86	28.26	0.670	30.00	-1.74
	3949.98		1.40	1 / 1	26.69	28.09	0.644	30.00	-1.91
	QPSK	3730.02	1.40	1 / 81	27.00	28.40	0.692	30.00	-1.60
		3840.00	1.40	1 / 160	26.78	28.18	0.658	30.00	-1.82
		3949.98	1.40	1 / 81	26.64	28.04	0.636	30.00	-1.96
	16-QAM	3730.02	1.40	1 / 81	26.25	27.65	0.582	30.00	-2.35
	64-QAM	3730.02	1.40	1 / 160	24.89	26.29	0.426	30.00	-3.71
	256-QAM	3730.02	1.40	1 / 81	22.61	24.01	0.252	30.00	-5.99
	70 MHz	π/2 BPSK	3735.00	1.40	1 / 90	27.00	28.40	0.692	30.00
3840.00			1.40	1 / 90	26.80	28.20	0.661	30.00	-1.80
3945.00			1.40	1 / 1	26.75	28.15	0.653	30.00	-1.85
QPSK		3735.00	1.40	1 / 90	26.92	28.32	0.680	30.00	-1.68
		3840.00	1.40	1 / 1	26.82	28.22	0.664	30.00	-1.78
		3945.00	1.40	1 / 1	26.81	28.21	0.662	30.00	-1.79
16-QAM		3735.00	1.40	1 / 90	26.17	27.57	0.572	30.00	-2.43
64-QAM		3735.00	1.40	1 / 90	24.74	26.14	0.411	30.00	-3.86
256-QAM		3735.00	1.40	1 / 90	22.71	24.11	0.257	30.00	-5.89
80 MHz		π/2 BPSK	3740.01	1.40	1 / 108	27.00	28.40	0.692	30.00
	3840.00		1.40	1 / 108	26.86	28.26	0.670	30.00	-1.74
	3939.99		1.40	1 / 1	26.74	28.14	0.652	30.00	-1.86
	QPSK	3740.01	1.40	1 / 215	26.98	28.38	0.688	30.00	-1.62
		3840.00	1.40	1 / 1	26.78	28.18	0.658	30.00	-1.82
		3939.99	1.40	1 / 1	26.74	28.14	0.651	30.00	-1.86
	16-QAM	3740.01	1.40	1 / 215	26.25	27.65	0.582	30.00	-2.35
	64-QAM	3939.99	1.40	1 / 1	24.72	26.12	0.409	30.00	-3.88
	256-QAM	3740.01	1.40	1 / 215	23.11	24.51	0.282	30.00	-5.49
	90 MHz	π/2 BPSK	3745.02	1.40	1 / 120	27.00	28.40	0.692	30.00
3840.00			1.40	1 / 120	26.93	28.33	0.680	30.00	-1.67
3934.98			1.40	1 / 243	26.62	28.02	0.634	30.00	-1.98
QPSK		3745.02	1.40	1 / 120	26.98	28.38	0.688	30.00	-1.62
		3840.00	1.40	1 / 120	26.80	28.20	0.661	30.00	-1.80
		3934.98	1.40	1 / 120	26.74	28.14	0.652	30.00	-1.86
16-QAM		3745.02	1.40	1 / 243	26.03	27.43	0.553	30.00	-2.57
64-QAM		3745.02	1.40	1 / 120	24.90	26.30	0.426	30.00	-3.70
256-QAM		3745.02	1.40	1 / 120	22.77	24.17	0.261	30.00	-5.83
100 MHz		π/2 BPSK	3750.00	1.40	1 / 135	27.00	28.40	0.692	30.00
	3840.00		1.40	1 / 135	26.98	28.38	0.689	30.00	-1.62
	3930.00		1.40	1 / 1	26.92	28.32	0.680	30.00	-1.68
	QPSK	3750.00	1.40	1 / 135	26.90	28.30	0.676	30.00	-1.70
		3840.00	1.40	1 / 135	26.86	28.26	0.670	30.00	-1.74
		3930.00	1.40	1 / 1	26.76	28.16	0.655	30.00	-1.84
	16-QAM	3840.00	1.40	1 / 1	25.98	27.38	0.546	30.00	-2.62
	64-QAM	3840.00	1.40	1 / 1	24.74	26.14	0.411	30.00	-3.86
	256-QAM	3930.00	1.40	1 / 135	22.70	24.10	0.257	30.00	-5.90

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 244 of 266

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	1.40	1 / 22	25.70	27.10	0.513	30.00	-2.90
		3840.00	1.40	1 / 12	25.50	26.90	0.490	30.00	-3.10
		3975.00	1.40	1 / 12	25.53	26.93	0.494	30.00	-3.07
	QPSK	3705.00	1.40	1 / 12	25.69	27.09	0.512	30.00	-2.91
		3840.00	1.40	1 / 22	25.49	26.89	0.488	30.00	-3.11
		3975.00	1.40	1 / 12	25.44	26.84	0.483	30.00	-3.16
	16-QAM	3705.00	1.40	1 / 22	24.92	26.32	0.429	30.00	-3.68
	64-QAM	3705.00	1.40	1 / 22	23.19	24.59	0.288	30.00	-5.41
	256-QAM	3705.00	1.40	1 / 22	21.20	22.60	0.182	30.00	-7.40
	15 MHz	π/2 BPSK	3707.51	1.40	1 / 36	25.69	27.09	0.512	30.00
3840.00			1.40	1 / 36	25.66	27.06	0.508	30.00	-2.94
3972.50			1.40	1 / 1	25.66	27.06	0.508	30.00	-2.94
QPSK		3707.51	1.40	1 / 36	25.70	27.10	0.513	30.00	-2.90
		3840.00	1.40	1 / 18	25.63	27.03	0.505	30.00	-2.97
		3972.50	1.40	1 / 1	25.68	27.08	0.511	30.00	-2.92
16-QAM		3707.51	1.40	1 / 18	24.81	26.21	0.418	30.00	-3.79
64-QAM		3707.51	1.40	1 / 36	23.58	24.98	0.315	30.00	-5.02
256-QAM		3707.51	1.40	1 / 36	21.50	22.90	0.195	30.00	-7.10
20 MHz		π/2 BPSK	3710.01	1.40	1 / 49	25.70	27.10	0.513	30.00
	3840.00		1.40	1 / 25	25.61	27.01	0.502	30.00	-2.99
	3969.99		1.40	1 / 1	25.70	27.10	0.513	30.00	-2.90
	QPSK	3710.01	1.40	1 / 49	25.64	27.04	0.506	30.00	-2.96
		3840.00	1.40	1 / 49	25.64	27.04	0.505	30.00	-2.96
		3969.99	1.40	1 / 49	25.62	27.02	0.503	30.00	-2.98
	16-QAM	3710.01	1.40	1 / 49	24.87	26.27	0.424	30.00	-3.73
	64-QAM	3710.01	1.40	1 / 1	23.59	24.99	0.315	30.00	-5.01
	256-QAM	3710.01	1.40	1 / 25	21.57	22.97	0.198	30.00	-7.03
	30 MHz	π/2 BPSK	3715.02	1.40	1 / 76	25.70	27.10	0.513	30.00
3840.00			1.40	1 / 36	25.67	27.07	0.510	30.00	-2.93
3964.98			1.40	1 / 76	25.64	27.04	0.506	30.00	-2.96
QPSK		3715.02	1.40	1 / 76	25.66	27.06	0.508	30.00	-2.94
		3840.00	1.40	1 / 76	25.64	27.04	0.505	30.00	-2.96
		3964.98	1.40	1 / 36	25.64	27.04	0.506	30.00	-2.96
16-QAM		3964.98	1.40	1 / 36	24.80	26.20	0.417	30.00	-3.80
64-QAM		3715.02	1.40	1 / 36	23.49	24.89	0.308	30.00	-5.11
256-QAM		3715.02	1.40	1 / 76	21.55	22.95	0.197	30.00	-7.05
40 MHz		π/2 BPSK	3720.00	1.40	1 / 104	25.66	27.06	0.508	30.00
	3840.00		1.40	1 / 104	25.66	27.06	0.508	30.00	-2.94
	3960.00		1.40	1 / 50	25.66	27.06	0.509	30.00	-2.94
	QPSK	3720.00	1.40	1 / 104	25.70	27.10	0.513	30.00	-2.90
		3840.00	1.40	1 / 104	25.66	27.06	0.508	30.00	-2.94
		3960.00	1.40	1 / 1	25.37	26.77	0.475	30.00	-3.23
	16-QAM	3840.00	1.40	1 / 50	24.87	26.27	0.424	30.00	-3.73
	64-QAM	3840.00	1.40	1 / 104	23.87	25.27	0.336	30.00	-4.73
	256-QAM	3840.00	1.40	1 / 104	21.66	23.06	0.202	30.00	-6.94
	50 MHz	π/2 BPSK	3725.01	1.40	1 / 64	25.69	27.09	0.511	30.00
3840.00			1.40	1 / 131	25.56	26.96	0.496	30.00	-3.04
3954.99			1.40	1 / 1	25.66	27.06	0.508	30.00	-2.94
QPSK		3725.01	1.40	1 / 64	25.70	27.10	0.513	30.00	-2.90
		3840.00	1.40	1 / 131	25.49	26.89	0.489	30.00	-3.11
		3954.99	1.40	1 / 1	25.61	27.01	0.502	30.00	-2.99
16-QAM		3725.01	1.40	1 / 64	24.94	26.34	0.430	30.00	-3.66
64-QAM		3954.99	1.40	1 / 1	23.49	24.89	0.308	30.00	-5.11
256-QAM		3954.99	1.40	1 / 135	21.59	22.99	0.199	30.00	-7.01
60 MHz		π/2 BPSK	3730.02	1.40	1 / 81	25.70	27.10	0.513	30.00
	3840.00		1.40	1 / 81	25.41	26.81	0.480	30.00	-3.19
	3949.98		1.40	1 / 81	25.33	26.73	0.470	30.00	-3.27
	QPSK	3730.02	1.40	1 / 81	25.55	26.95	0.495	30.00	-3.05
		3840.00	1.40	1 / 160	25.51	26.91	0.491	30.00	-3.09
		3949.98	1.40	1 / 1	25.41	26.81	0.480	30.00	-3.19
	16-QAM	3840.00	1.40	1 / 81	24.58	25.98	0.396	30.00	-4.02
	64-QAM	3949.98	1.40	1 / 81	23.30	24.70	0.295	30.00	-5.30
	256-QAM	3730.02	1.40	1 / 1	21.36	22.76	0.189	30.00	-7.24
	70 MHz	π/2 BPSK	3735.00	1.40	1 / 90	25.70	27.10	0.513	30.00
3840.00			1.40	1 / 90	25.47	26.87	0.486	30.00	-3.13
3945.00			1.40	1 / 1	25.47	26.87	0.487	30.00	-3.13
QPSK		3735.00	1.40	1 / 90	25.68	27.08	0.510	30.00	-2.92
		3840.00	1.40	1 / 90	25.50	26.90	0.490	30.00	-3.10
		3945.00	1.40	1 / 1	25.44	26.84	0.483	30.00	-3.16
16-QAM		3735.00	1.40	1 / 90	24.84	26.24	0.421	30.00	-3.76
64-QAM		3840.00	1.40	1 / 90	23.40	24.80	0.302	30.00	-5.20
256-QAM		3735.00	1.40	1 / 90	21.41	22.81	0.191	30.00	-7.19
80 MHz		π/2 BPSK	3740.01	1.40	1 / 108	25.66	27.06	0.508	30.00
	3840.00		1.40	1 / 215	25.34	26.74	0.472	30.00	-3.26
	3939.99		1.40	1 / 1	25.52	26.92	0.492	30.00	-3.08
	QPSK	3740.01	1.40	1 / 108	25.70	27.10	0.513	30.00	-2.90
		3840.00	1.40	1 / 215	25.61	27.01	0.502	30.00	-2.99
		3939.99	1.40	1 / 108	25.47	26.87	0.486	30.00	-3.13
	16-QAM	3740.01	1.40	1 / 108	24.85	26.25	0.422	30.00	-3.75
	64-QAM	3740.01	1.40	1 / 108	23.54	24.94	0.312	30.00	-5.06
	256-QAM	3740.01	1.40	1 / 108	21.46	22.86	0.193	30.00	-7.14
	90 MHz	π/2 BPSK	3745.02	1.40	1 / 243	25.67	27.07	0.509	30.00
3840.00			1.40	1 / 243	25.54	26.94	0.494	30.00	-3.06
3934.98			1.40	1 / 1	25.31	26.71	0.468	30.00	-3.29
QPSK		3745.02	1.40	1 / 120	25.70	27.10	0.513	30.00	-2.90
		3840.00	1.40	1 / 243	25.58	26.98	0.499	30.00	-3.02
		3934.98	1.40	1 / 1	25.52	26.92	0.492	30.00	-3.08
16-QAM		3745.02	1.40	1 / 1	24.83	26.23	0.420	30.00	-3.77
64-QAM		3745.02	1.40	1 / 120	23.36	24.76	0.299	30.00	-5.24
256-QAM		3745.02	1.40	1 / 1	21.48	22.88	0.194	30.00	-7.12
100 MHz		π/2 BPSK	3750.00	1.40	1 / 1	25.65	27.05	0.507	30.00
	3840.00		1.40	1 / 135	25.58	26.98	0.499	30.00	-3.02
	3930.00		1.40	1 / 1	25.48	26.88	0.487	30.00	-3.12
	QPSK	3750.00	1.40	1 / 135	25.70	27.10	0.513	30.00	-2.90
		3840.00	1.40	1 / 1	25.57	26.97	0.498	30.00	-3.03
		3930.00	1.40	1 / 135	25.41	26.81	0.479	30.00	-3.19
	16-QAM	3750.00	1.40	1 / 135	24.90	26.30	0.427	30.00	-3.70
	64-QAM	3750.00	1.40	1 / 135	23.42	24.82	0.303	30.00	-5.18
	256-QAM	3750.00	1.40	1 / 135	21.53	22.93	0.196	30.00	-7.07

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 245 of 266

7.6.4 Antenna 1a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-1.00	1 / 22	23.46	22.46	0.176	30.00	-7.54
		3500.01	-1.00	1 / 1	23.48	22.48	0.177	30.00	-7.52
		3544.98	-1.00	1 / 12	23.44	22.44	0.175	30.00	-7.56
	QPSK	3455.01	-1.00	1 / 12	23.50	22.50	0.178	30.00	-7.50
		3500.01	-1.00	1 / 12	23.50	22.50	0.178	30.00	-7.50
		3544.98	-1.00	1 / 12	23.40	22.40	0.174	30.00	-7.60
	16-QAM	3500.01	-1.00	1 / 1	22.68	21.68	0.147	30.00	-8.32
	64-QAM	3455.01	-1.00	1 / 12	21.60	20.60	0.115	30.00	-9.40
	256-QAM	3455.01	-1.00	1 / 22	19.48	18.48	0.071	30.00	-11.52
15 MHz	π/2 BPSK	3457.50	-1.00	1 / 36	23.45	22.45	0.176	30.00	-7.55
		3500.01	-1.00	1 / 36	23.47	22.47	0.177	30.00	-7.53
		3542.49	-1.00	1 / 1	23.40	22.40	0.174	30.00	-7.60
	QPSK	3457.50	-1.00	1 / 1	23.48	22.48	0.177	30.00	-7.52
		3500.01	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3542.49	-1.00	1 / 36	23.37	22.37	0.173	30.00	-7.63
	16-QAM	3457.50	-1.00	1 / 1	22.63	21.63	0.145	30.00	-8.37
	64-QAM	3500.01	-1.00	1 / 36	21.55	20.55	0.113	30.00	-9.45
	256-QAM	3500.01	-1.00	1 / 36	19.50	18.50	0.071	30.00	-11.50
20 MHz	π/2 BPSK	3460.02	-1.00	1 / 1	23.45	22.45	0.176	30.00	-7.55
		3500.01	-1.00	1 / 1	23.43	22.43	0.175	30.00	-7.57
		3540.00	-1.00	1 / 1	23.41	22.41	0.174	30.00	-7.59
	QPSK	3460.02	-1.00	1 / 49	23.48	22.48	0.177	30.00	-7.52
		3500.01	-1.00	1 / 49	23.50	22.50	0.178	30.00	-7.50
		3540.00	-1.00	1 / 49	23.42	22.42	0.174	30.00	-7.58
	16-QAM	3540.00	-1.00	1 / 49	22.71	21.71	0.148	30.00	-8.29
	64-QAM	3460.02	-1.00	1 / 25	21.63	20.63	0.116	30.00	-9.37
	256-QAM	3500.01	-1.00	1 / 25	19.56	18.56	0.072	30.00	-11.44
30 MHz	π/2 BPSK	3465.00	-1.00	1 / 1	23.43	22.43	0.175	30.00	-7.57
		3500.01	-1.00	1 / 1	23.49	22.49	0.178	30.00	-7.51
		3534.99	-1.00	1 / 76	23.41	22.41	0.174	30.00	-7.59
	QPSK	3465.00	-1.00	1 / 76	23.49	22.49	0.177	30.00	-7.51
		3500.01	-1.00	1 / 76	23.50	22.50	0.178	30.00	-7.50
		3534.99	-1.00	1 / 1	23.40	22.40	0.174	30.00	-7.60
	16-QAM	3500.01	-1.00	1 / 76	22.73	21.73	0.149	30.00	-8.27
	64-QAM	3465.00	-1.00	1 / 36	21.62	20.62	0.115	30.00	-9.38
	256-QAM	3465.00	-1.00	1 / 1	19.48	18.48	0.071	30.00	-11.52
40 MHz	π/2 BPSK	3470.01	-1.00	1 / 1	23.44	22.44	0.175	30.00	-7.56
		3500.01	-1.00	1 / 1	23.41	22.41	0.174	30.00	-7.59
		3529.98	-1.00	1 / 1	23.42	22.42	0.174	30.00	-7.58
	QPSK	3470.01	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3500.01	-1.00	1 / 1	23.47	22.47	0.177	30.00	-7.53
		3529.98	-1.00	1 / 104	23.39	22.39	0.174	30.00	-7.61
	16-QAM	3470.01	-1.00	1 / 1	22.65	21.65	0.146	30.00	-8.35
	64-QAM	3470.01	-1.00	1 / 50	21.55	20.55	0.114	30.00	-9.45
	256-QAM	3500.01	-1.00	1 / 1	19.51	18.51	0.071	30.00	-11.49
50 MHz	π/2 BPSK	3475.02	-1.00	1 / 1	23.45	22.45	0.176	30.00	-7.55
		3500.01	-1.00	1 / 1	23.43	22.43	0.175	30.00	-7.57
		3525.00	-1.00	1 / 1	23.46	22.46	0.176	30.00	-7.54
	QPSK	3475.02	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
		3500.01	-1.00	1 / 131	23.48	22.48	0.177	30.00	-7.52
		3525.00	-1.00	1 / 1	23.48	22.48	0.177	30.00	-7.52
	16-QAM	3525.00	-1.00	1 / 131	22.60	21.60	0.144	30.00	-8.40
	64-QAM	3525.00	-1.00	1 / 1	21.57	20.57	0.114	30.00	-9.43
	256-QAM	3525.00	-1.00	1 / 1	19.56	18.56	0.072	30.00	-11.44
60 MHz	π/2 BPSK	3480.00	-1.00	1 / 81	23.32	22.32	0.171	30.00	-7.68
		3500.01	-1.00	1 / 81	23.43	22.43	0.175	30.00	-7.57
		3519.99	-1.00	1 / 1	23.31	22.31	0.170	30.00	-7.69
	QPSK	3480.00	-1.00	1 / 81	23.38	22.38	0.173	30.00	-7.62
		3500.01	-1.00	1 / 1	23.31	22.31	0.170	30.00	-7.69
		3519.99	-1.00	1 / 81	23.50	22.50	0.178	30.00	-7.50
	16-QAM	3480.00	-1.00	1 / 1	22.52	21.52	0.142	30.00	-8.48
	64-QAM	3500.01	-1.00	1 / 160	21.43	20.43	0.110	30.00	-9.57
	256-QAM	3500.01	-1.00	1 / 81	19.59	18.59	0.072	30.00	-11.41
70 MHz	π/2 BPSK	3485.01	-1.00	1 / 90	23.31	22.31	0.170	30.00	-7.69
		3500.01	-1.00	1 / 1	23.34	22.34	0.172	30.00	-7.66
		3514.98	-1.00	1 / 1	23.30	22.30	0.170	30.00	-7.70
	QPSK	3485.01	-1.00	1 / 90	23.47	22.47	0.177	30.00	-7.53
		3500.01	-1.00	1 / 1	23.38	22.38	0.173	30.00	-7.62
		3514.98	-1.00	1 / 1	23.50	22.50	0.178	30.00	-7.50
	16-QAM	3500.01	-1.00	1 / 1	22.48	21.48	0.140	30.00	-8.52
	64-QAM	3485.01	-1.00	1 / 187	21.51	20.51	0.113	30.00	-9.49
	256-QAM	3485.01	-1.00	1 / 1	19.45	18.45	0.070	30.00	-11.55
80 MHz	π/2 BPSK	3490.02	-1.00	1 / 215	23.43	22.43	0.175	30.00	-7.57
		3500.01	-1.00	1 / 215	23.41	22.41	0.174	30.00	-7.59
		3510.00	-1.00	1 / 108	23.45	22.45	0.176	30.00	-7.55
	QPSK	3490.02	-1.00	1 / 108	23.50	22.50	0.178	30.00	-7.50
		3500.01	-1.00	1 / 215	23.40	22.40	0.174	30.00	-7.60
		3510.00	-1.00	1 / 108	23.43	22.43	0.175	30.00	-7.57
	16-QAM	3500.01	-1.00	1 / 108	22.67	21.67	0.147	30.00	-8.33
	64-QAM	3510.00	-1.00	1 / 108	21.48	20.48	0.112	30.00	-9.52
	256-QAM	3490.02	-1.00	1 / 215	19.53	18.53	0.071	30.00	-11.47
90 MHz	π/2 BPSK	3495.00	-1.00	1 / 243	23.40	22.40	0.174	30.00	-7.60
		3500.01	-1.00	1 / 1	23.40	22.40	0.174	30.00	-7.60
		3504.99	-1.00	1 / 120	23.30	22.30	0.170	30.00	-7.70
	QPSK	3495.00	-1.00	1 / 243	23.50	22.50	0.178	30.00	-7.50
		3500.01	-1.00	1 / 243	23.36	22.36	0.172	30.00	-7.64
		3504.99	-1.00	1 / 1	23.37	22.37	0.173	30.00	-7.63
	16-QAM	3504.99	-1.00	1 / 1	22.42	21.42	0.139	30.00	-8.58
	64-QAM	3504.99	-1.00	1 / 1	21.49	20.49	0.112	30.00	-9.51
	256-QAM	3495.00	-1.00	1 / 1	19.52	18.52	0.071	30.00	-11.48
100 MHz	π/2 BPSK	3500.01	-1.00	1 / 135	23.50	22.50	0.178	30.00	-7.50
	QPSK	3500.01	-1.00	1 / 271	23.42	22.42	0.175	30.00	-7.58
	16-QAM	3500.01	-1.00	1 / 1	22.31	21.31	0.135	30.00	-8.69
	64-QAM	3500.01	-1.00	1 / 1	21.39	20.39	0.109	30.00	-9.61
	256-QAM	3500.01	-1.00	1 / 1	19.46	18.46	0.070	30.00	-11.54

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 246 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
10 MHz	π/2 BPSK	3455.01	-1.00	1 / 22	23.03	22.03	0.159	30.00	-7.97	
		3500.01	-1.00	1 / 1	23.00	22.00	0.158	30.00	-8.00	
		3544.98	-1.00	1 / 22	22.88	21.88	0.154	30.00	-8.12	
	QPSK	3455.01	-1.00	1 / 22	23.02	22.02	0.159	30.00	-7.98	
		3500.01	-1.00	1 / 22	23.00	22.00	0.159	30.00	-8.00	
		3544.98	-1.00	1 / 12	22.90	21.90	0.155	30.00	-8.10	
		16-QAM	3455.01	-1.00	1 / 22	22.17	21.17	0.131	30.00	-8.83
	64-QAM	3455.01	-1.00	1 / 22	20.52	19.52	0.089	30.00	-10.48	
	256-QAM	3455.01	-1.00	1 / 12	18.73	17.73	0.059	30.00	-12.27	
	15 MHz	π/2 BPSK	3457.50	-1.00	1 / 36	23.16	22.16	0.165	30.00	-7.84
3500.01			-1.00	1 / 36	23.19	22.19	0.166	30.00	-7.81	
3542.49			-1.00	1 / 1	23.11	22.11	0.163	30.00	-7.89	
QPSK		3457.50	-1.00	1 / 1	23.12	22.12	0.163	30.00	-7.88	
		3500.01	-1.00	1 / 1	23.13	22.13	0.163	30.00	-7.87	
		3542.49	-1.00	1 / 1	23.11	22.11	0.162	30.00	-7.89	
		16-QAM	3500.01	-1.00	1 / 1	22.25	21.25	0.133	30.00	-8.75
64-QAM		3500.01	-1.00	1 / 18	20.71	19.71	0.093	30.00	-10.29	
256-QAM		3457.50	-1.00	1 / 36	18.96	17.96	0.063	30.00	-12.04	
20 MHz		π/2 BPSK	3460.02	-1.00	1 / 49	23.08	22.08	0.161	30.00	-7.92
	3500.01		-1.00	1 / 1	23.20	22.20	0.166	30.00	-7.80	
	3540.00		-1.00	1 / 49	23.09	22.09	0.162	30.00	-7.91	
	QPSK	3460.02	-1.00	1 / 49	23.11	22.11	0.162	30.00	-7.89	
		3500.01	-1.00	1 / 49	23.13	22.13	0.163	30.00	-7.87	
		3540.00	-1.00	1 / 1	23.12	22.12	0.163	30.00	-7.88	
		16-QAM	3460.02	-1.00	1 / 1	22.32	21.32	0.136	30.00	-8.68
	64-QAM	3500.01	-1.00	1 / 25	20.92	19.92	0.098	30.00	-10.08	
	256-QAM	3540.00	-1.00	1 / 49	18.90	17.90	0.062	30.00	-12.10	
	30 MHz	π/2 BPSK	3465.00	-1.00	1 / 1	23.11	22.11	0.163	30.00	-7.89
3500.01			-1.00	1 / 1	23.11	22.11	0.163	30.00	-7.89	
3534.99			-1.00	1 / 1	23.09	22.09	0.162	30.00	-7.91	
QPSK		3465.00	-1.00	1 / 76	23.15	22.15	0.164	30.00	-7.85	
		3500.01	-1.00	1 / 1	23.10	22.10	0.162	30.00	-7.90	
		3534.99	-1.00	1 / 1	23.13	22.13	0.163	30.00	-7.87	
		16-QAM	3500.01	-1.00	1 / 1	22.18	21.18	0.131	30.00	-8.82
64-QAM		3465.00	-1.00	1 / 1	20.65	19.65	0.092	30.00	-10.35	
256-QAM		3465.00	-1.00	1 / 1	18.65	17.65	0.058	30.00	-12.35	
40 MHz		π/2 BPSK	3470.01	-1.00	1 / 104	23.18	22.18	0.165	30.00	-7.82
	3500.01		-1.00	1 / 104	23.17	22.17	0.165	30.00	-7.83	
	3529.98		-1.00	1 / 1	23.20	22.20	0.166	30.00	-7.80	
	QPSK	3470.01	-1.00	1 / 104	23.26	22.26	0.168	30.00	-7.74	
		3500.01	-1.00	1 / 1	23.17	22.17	0.165	30.00	-7.83	
		3529.98	-1.00	1 / 1	23.16	22.16	0.164	30.00	-7.84	
		16-QAM	3529.98	-1.00	1 / 1	22.51	21.51	0.142	30.00	-8.49
	64-QAM	3470.01	-1.00	1 / 1	20.70	19.70	0.093	30.00	-10.30	
	256-QAM	3500.01	-1.00	1 / 104	18.62	17.62	0.058	30.00	-12.38	
	50 MHz	π/2 BPSK	3475.02	-1.00	1 / 1	22.96	21.96	0.157	30.00	-8.04
3500.01			-1.00	1 / 1	22.98	21.98	0.158	30.00	-8.02	
3525.00			-1.00	1 / 1	22.98	21.98	0.158	30.00	-8.02	
QPSK		3475.02	-1.00	1 / 64	22.95	21.95	0.157	30.00	-8.05	
		3500.01	-1.00	1 / 1	22.94	21.94	0.156	30.00	-8.06	
		3525.00	-1.00	1 / 1	22.99	21.99	0.158	30.00	-8.01	
		16-QAM	3500.01	-1.00	1 / 1	22.27	21.27	0.134	30.00	-8.73
64-QAM		3475.02	-1.00	1 / 131	20.42	19.42	0.087	30.00	-10.58	
256-QAM		3475.02	-1.00	1 / 1	18.58	17.58	0.057	30.00	-12.42	
60 MHz		π/2 BPSK	3480.00	-1.00	1 / 160	22.93	21.93	0.156	30.00	-8.07
	3500.01		-1.00	1 / 81	22.98	21.98	0.158	30.00	-8.02	
	3519.99		-1.00	1 / 81	22.94	21.94	0.156	30.00	-8.06	
	QPSK	3480.00	-1.00	1 / 1	22.98	21.98	0.158	30.00	-8.02	
		3500.01	-1.00	1 / 81	22.94	21.94	0.156	30.00	-8.06	
		3519.99	-1.00	1 / 81	22.95	21.95	0.157	30.00	-8.05	
		16-QAM	3500.01	-1.00	1 / 81	22.25	21.25	0.133	30.00	-8.75
	64-QAM	3519.99	-1.00	1 / 160	20.55	19.55	0.090	30.00	-10.45	
	256-QAM	3480.00	-1.00	1 / 81	18.57	17.57	0.057	30.00	-12.43	
	70 MHz	π/2 BPSK	3485.01	-1.00	1 / 1	22.97	21.97	0.157	30.00	-8.03
3500.01			-1.00	1 / 1	22.99	21.99	0.158	30.00	-8.01	
3514.98			-1.00	1 / 1	22.92	21.92	0.156	30.00	-8.08	
QPSK		3485.01	-1.00	1 / 90	22.89	21.89	0.154	30.00	-8.11	
		3500.01	-1.00	1 / 1	23.01	22.01	0.159	30.00	-7.99	
		3514.98	-1.00	1 / 1	23.00	22.00	0.158	30.00	-8.00	
		16-QAM	3485.01	-1.00	1 / 90	22.06	21.06	0.128	30.00	-8.94
64-QAM		3514.98	-1.00	1 / 1	20.61	19.61	0.091	30.00	-10.39	
256-QAM		3485.01	-1.00	1 / 1	18.47	17.47	0.056	30.00	-12.53	
80 MHz		π/2 BPSK	3490.02	-1.00	1 / 108	22.99	21.99	0.158	30.00	-8.01
	3500.01		-1.00	1 / 108	22.97	21.97	0.157	30.00	-8.03	
	3510.00		-1.00	1 / 1	23.00	22.00	0.158	30.00	-8.00	
	QPSK	3490.02	-1.00	1 / 1	22.99	21.99	0.158	30.00	-8.01	
		3500.01	-1.00	1 / 1	22.92	21.92	0.155	30.00	-8.08	
		3510.00	-1.00	1 / 108	23.01	22.01	0.159	30.00	-7.99	
		16-QAM	3500.01	-1.00	1 / 1	22.34	21.34	0.136	30.00	-8.66
	64-QAM	3510.00	-1.00	1 / 108	20.84	19.84	0.096	30.00	-10.16	
	256-QAM	3500.01	-1.00	1 / 108	18.92	17.92	0.062	30.00	-12.08	
	90 MHz	π/2 BPSK	3495.00	-1.00	1 / 1	23.07	22.07	0.161	30.00	-7.93
3500.01			-1.00	1 / 243	23.03	22.03	0.159	30.00	-7.97	
3504.99			-1.00	1 / 1	22.94	21.94	0.156	30.00	-8.06	
QPSK		3495.00	-1.00	1 / 120	23.10	22.10	0.162	30.00	-7.90	
		3500.01	-1.00	1 / 1	23.00	22.00	0.158	30.00	-8.00	
		3504.99	-1.00	1 / 120	22.97	21.97	0.157	30.00	-8.03	
		16-QAM	3495.00	-1.00	1 / 243	22.22	21.22	0.133	30.00	-8.78
64-QAM		3504.99	-1.00	1 / 120	20.98	19.98	0.100	30.00	-10.02	
256-QAM		3495.00	-1.00	1 / 1	18.85	17.85	0.061	30.00	-12.15	
100 MHz		π/2 BPSK	3500.01	-1.00	1 / 271	23.18	22.18	0.165	30.00	-7.82
	3500.01		-1.00	1 / 1	23.01	22.01	0.159	30.00	-7.99	
	QPSK	3500.01	-1.00	1 / 135	22.15	21.15	0.130	30.00	-8.85	
		64-QAM	3500.01	-1.00	1 / 135	20.42	19.42	0.087	30.00	-10.58
		256-QAM	3500.01	-1.00	1 / 1	18.54	17.54	0.057	30.00	-12.46

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device	Page 247 of 266

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	
10 MHz	π/2 BPSK	3705.00	-0.80	1 / 1	23.45	22.65	0.184	30.00	-7.35	
		3840.00	-0.80	1 / 12	23.26	22.46	0.176	30.00	-7.54	
		3975.00	-0.80	1 / 12	23.23	22.43	0.175	30.00	-7.57	
		3705.00	-0.80	1 / 22	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 12	23.18	22.38	0.173	30.00	-7.62	
		3975.00	-0.80	1 / 1	23.24	22.44	0.175	30.00	-7.56	
		16-QAM	3705.00	-0.80	1 / 22	22.64	21.84	0.153	30.00	-8.16
		64-QAM	3705.00	-0.80	1 / 1	21.12	20.32	0.108	30.00	-9.68
256-QAM	3705.00	-0.80	1 / 22	19.13	18.33	0.068	30.00	-11.67		
15 MHz	π/2 BPSK	3707.51	-0.80	1 / 36	23.41	22.61	0.182	30.00	-7.39	
		3840.00	-0.80	1 / 36	23.40	22.60	0.182	30.00	-7.40	
		3972.50	-0.80	1 / 18	23.32	22.52	0.179	30.00	-7.48	
		3707.51	-0.80	1 / 36	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 18	23.44	22.64	0.184	30.00	-7.36	
		3972.50	-0.80	1 / 36	23.34	22.54	0.180	30.00	-7.46	
		16-QAM	3840.00	-0.80	1 / 18	22.66	21.86	0.154	30.00	-8.14
		64-QAM	3840.00	-0.80	1 / 1	21.34	20.54	0.113	30.00	-9.46
256-QAM	3972.50	-0.80	1 / 135	19.13	18.33	0.068	30.00	-11.67		
20 MHz	π/2 BPSK	3710.01	-0.80	1 / 49	23.50	22.70	0.186	30.00	-7.30	
		3840.00	-0.80	1 / 25	23.37	22.57	0.181	30.00	-7.43	
		3969.99	-0.80	1 / 49	23.36	22.56	0.180	30.00	-7.44	
		3710.01	-0.80	1 / 1	23.46	22.66	0.184	30.00	-7.34	
	QPSK	3840.00	-0.80	1 / 25	23.41	22.61	0.183	30.00	-7.39	
		3969.99	-0.80	1 / 49	23.37	22.57	0.181	30.00	-7.43	
		16-QAM	3840.00	-0.80	1 / 25	22.68	21.88	0.154	30.00	-8.12
		64-QAM	3840.00	-0.80	1 / 49	21.23	20.43	0.110	30.00	-9.57
256-QAM	3840.00	-0.80	1 / 49	19.38	18.58	0.072	30.00	-11.42		
30 MHz	π/2 BPSK	3715.02	-0.80	1 / 76	23.48	22.68	0.185	30.00	-7.32	
		3840.00	-0.80	1 / 36	23.41	22.61	0.182	30.00	-7.39	
		3964.98	-0.80	1 / 76	23.35	22.55	0.180	30.00	-7.45	
		3715.02	-0.80	1 / 76	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 1	23.30	22.50	0.178	30.00	-7.50	
		3964.98	-0.80	1 / 1	23.48	22.68	0.185	30.00	-7.32	
		16-QAM	3840.00	-0.80	1 / 76	22.60	21.80	0.151	30.00	-8.20
		64-QAM	3715.02	-0.80	1 / 76	21.32	20.52	0.113	30.00	-9.48
256-QAM	3715.02	-0.80	1 / 76	19.18	18.38	0.069	30.00	-11.62		
40 MHz	π/2 BPSK	3720.00	-0.80	1 / 104	23.47	22.67	0.185	30.00	-7.33	
		3840.00	-0.80	1 / 104	23.39	22.59	0.181	30.00	-7.41	
		3960.00	-0.80	1 / 50	23.47	22.67	0.185	30.00	-7.33	
		3720.00	-0.80	1 / 104	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 104	23.39	22.59	0.182	30.00	-7.41	
		3960.00	-0.80	1 / 50	23.49	22.69	0.186	30.00	-7.31	
		16-QAM	3960.00	-0.80	1 / 50	22.65	21.85	0.153	30.00	-8.15
		64-QAM	3720.00	-0.80	1 / 104	21.25	20.45	0.111	30.00	-9.55
256-QAM	3720.00	-0.80	1 / 1	19.39	18.59	0.072	30.00	-11.41		
50 MHz	π/2 BPSK	3725.01	-0.80	1 / 64	23.50	22.70	0.186	30.00	-7.30	
		3840.00	-0.80	1 / 64	23.33	22.53	0.179	30.00	-7.47	
		3954.99	-0.80	1 / 1	23.38	22.58	0.181	30.00	-7.42	
		3725.01	-0.80	1 / 64	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 64	23.29	22.49	0.177	30.00	-7.51	
		3954.99	-0.80	1 / 1	23.40	22.60	0.182	30.00	-7.40	
		16-QAM	3725.01	-0.80	1 / 1	22.57	21.77	0.150	30.00	-8.23
		64-QAM	3725.01	-0.80	1 / 1	21.31	20.51	0.113	30.00	-9.49
256-QAM	3725.01	-0.80	1 / 64	19.32	18.52	0.071	30.00	-11.48		
60 MHz	π/2 BPSK	3730.02	-0.80	1 / 81	23.50	22.70	0.186	30.00	-7.30	
		3840.00	-0.80	1 / 81	23.20	22.40	0.174	30.00	-7.60	
		3949.98	-0.80	1 / 81	23.23	22.43	0.175	30.00	-7.57	
		3730.02	-0.80	1 / 81	23.36	22.56	0.180	30.00	-7.44	
	QPSK	3840.00	-0.80	1 / 160	23.34	22.54	0.180	30.00	-7.46	
		3949.98	-0.80	1 / 1	23.25	22.45	0.176	30.00	-7.55	
		16-QAM	3730.02	-0.80	1 / 81	22.44	21.64	0.146	30.00	-8.36
		64-QAM	3949.98	-0.80	1 / 1	21.28	20.48	0.112	30.00	-9.52
256-QAM	3730.02	-0.80	1 / 160	19.28	18.48	0.070	30.00	-11.54		
70 MHz	π/2 BPSK	3735.00	-0.80	1 / 90	23.40	22.60	0.182	30.00	-7.40	
		3840.00	-0.80	1 / 90	23.19	22.39	0.173	30.00	-7.61	
		3945.00	-0.80	1 / 1	23.27	22.47	0.177	30.00	-7.53	
		3735.00	-0.80	1 / 90	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 1	23.23	22.43	0.175	30.00	-7.57	
		3945.00	-0.80	1 / 1	23.30	22.50	0.178	30.00	-7.50	
		16-QAM	3735.00	-0.80	1 / 1	22.63	21.83	0.152	30.00	-8.17
		64-QAM	3735.00	-0.80	1 / 90	21.67	20.87	0.122	30.00	-9.13
256-QAM	3735.00	-0.80	1 / 1	19.81	19.01	0.080	30.00	-10.99		
80 MHz	π/2 BPSK	3740.01	-0.80	1 / 108	23.49	22.69	0.186	30.00	-7.31	
		3840.00	-0.80	1 / 215	23.23	22.43	0.175	30.00	-7.57	
		3939.99	-0.80	1 / 1	23.28	22.48	0.177	30.00	-7.52	
		3740.01	-0.80	1 / 108	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 108	23.18	22.38	0.173	30.00	-7.62	
		3939.99	-0.80	1 / 1	23.27	22.47	0.177	30.00	-7.53	
		16-QAM	3740.01	-0.80	1 / 108	22.72	21.92	0.156	30.00	-8.08
		64-QAM	3740.01	-0.80	1 / 108	21.43	20.63	0.116	30.00	-9.37
256-QAM	3740.01	-0.80	1 / 108	19.24	18.44	0.070	30.00	-11.56		
90 MHz	π/2 BPSK	3745.02	-0.80	1 / 1	23.50	22.70	0.186	30.00	-7.30	
		3840.00	-0.80	1 / 1	23.20	22.40	0.174	30.00	-7.60	
		3934.98	-0.80	1 / 1	23.36	22.56	0.180	30.00	-7.44	
		3745.02	-0.80	1 / 120	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 243	23.19	22.39	0.173	30.00	-7.61	
		3934.98	-0.80	1 / 1	23.35	22.55	0.180	30.00	-7.45	
		16-QAM	3745.02	-0.80	1 / 120	22.45	21.65	0.146	30.00	-8.35
		64-QAM	3745.02	-0.80	1 / 1	21.27	20.47	0.111	30.00	-9.53
256-QAM	3745.02	-0.80	1 / 120	19.22	18.42	0.069	30.00	-11.58		
100 MHz	π/2 BPSK	3750.00	-0.80	1 / 1	23.49	22.69	0.186	30.00	-7.31	
		3840.00	-0.80	1 / 271	23.32	22.52	0.179	30.00	-7.48	
		3930.00	-0.80	1 / 135	23.29	22.49	0.177	30.00	-7.51	
		3750.00	-0.80	1 / 135	23.50	22.70	0.186	30.00	-7.30	
	QPSK	3840.00	-0.80	1 / 135	23.29	22.49	0.177	30.00	-7.51	
		3930.00	-0.80	1 / 1	23.25	22.45	0.176	30.00	-7.55	
		16-QAM	3750.00	-0.80	1 / 1	22.56	21.76	0.150	30.00	-8.24
		64-QAM	3750.00	-0.80	1 / 135	21.28	20.48	0.112	30.00	-9.52
256-QAM	3750.00	-0.80	1 / 271	19.52	18.72	0.075	30.00	-11.28		

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

FCC ID: BCGA2899		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-0.80	1 / 22	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 12	23.14	22.34	0.171	30.00	-7.66
		3975.00	-0.80	1 / 1	23.18	22.38	0.173	30.00	-7.62
	QPSK	3705.00	-0.80	1 / 22	23.20	22.40	0.174	30.00	-7.60
		3840.00	-0.80	1 / 12	23.18	22.38	0.173	30.00	-7.62
		3975.00	-0.80	1 / 12	23.20	22.40	0.174	30.00	-7.60
	16-QAM	3705.00	-0.80	1 / 12	22.52	21.72	0.149	30.00	-8.28
	64-QAM	3705.00	-0.80	1 / 12	21.01	20.21	0.105	30.00	-9.79
	256-QAM	3705.00	-0.80	1 / 12	19.23	18.43	0.070	30.00	-11.57
15 MHz	π/2 BPSK	3707.51	-0.80	1 / 36	23.22	22.42	0.174	30.00	-7.58
		3840.00	-0.80	1 / 36	23.29	22.49	0.178	30.00	-7.51
		3972.50	-0.80	1 / 1	23.29	22.49	0.177	30.00	-7.51
	QPSK	3707.51	-0.80	1 / 36	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 1	23.30	22.50	0.178	30.00	-7.50
		3972.50	-0.80	1 / 36	23.28	22.48	0.177	30.00	-7.52
	16-QAM	3707.51	-0.80	1 / 1	22.59	21.79	0.151	30.00	-8.21
	64-QAM	3707.51	-0.80	1 / 18	21.38	20.58	0.114	30.00	-9.42
	256-QAM	3707.51	-0.80	1 / 18	19.41	18.61	0.073	30.00	-11.39
20 MHz	π/2 BPSK	3710.01	-0.80	1 / 49	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 49	23.25	22.45	0.176	30.00	-7.55
		3969.99	-0.80	1 / 49	23.28	22.48	0.177	30.00	-7.52
	QPSK	3710.01	-0.80	1 / 49	23.26	22.46	0.176	30.00	-7.54
		3840.00	-0.80	1 / 49	23.21	22.41	0.174	30.00	-7.59
		3969.99	-0.80	1 / 25	23.27	22.47	0.177	30.00	-7.53
	16-QAM	3840.00	-0.80	1 / 49	22.38	21.58	0.144	30.00	-8.42
	64-QAM	3969.99	-0.80	1 / 25	21.44	20.64	0.116	30.00	-9.36
	256-QAM	3969.99	-0.80	1 / 49	19.36	18.56	0.072	30.00	-11.44
30 MHz	π/2 BPSK	3715.02	-0.80	1 / 76	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 1	23.27	22.47	0.177	30.00	-7.53
		3964.98	-0.80	1 / 36	23.27	22.47	0.177	30.00	-7.53
	QPSK	3715.02	-0.80	1 / 76	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 36	23.16	22.36	0.172	30.00	-7.64
		3964.98	-0.80	1 / 76	23.20	22.40	0.174	30.00	-7.60
	16-QAM	3715.02	-0.80	1 / 76	22.47	21.67	0.147	30.00	-8.33
	64-QAM	3964.98	-0.80	1 / 76	21.35	20.55	0.114	30.00	-9.45
	256-QAM	3715.02	-0.80	1 / 76	19.39	18.59	0.072	30.00	-11.41
40 MHz	π/2 BPSK	3720.00	-0.80	1 / 104	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 104	23.27	22.47	0.177	30.00	-7.53
		3960.00	-0.80	1 / 50	23.27	22.47	0.177	30.00	-7.53
	QPSK	3720.00	-0.80	1 / 104	23.26	22.46	0.176	30.00	-7.54
		3840.00	-0.80	1 / 50	23.23	22.43	0.175	30.00	-7.57
		3960.00	-0.80	1 / 104	23.24	22.44	0.175	30.00	-7.56
	16-QAM	3840.00	-0.80	1 / 50	22.39	21.59	0.144	30.00	-8.41
	64-QAM	3720.00	-0.80	1 / 50	21.29	20.49	0.112	30.00	-9.51
	256-QAM	3720.00	-0.80	1 / 1	19.36	18.56	0.072	30.00	-11.44
50 MHz	π/2 BPSK	3725.01	-0.80	1 / 64	23.27	22.47	0.177	30.00	-7.53
		3840.00	-0.80	1 / 131	23.17	22.37	0.173	30.00	-7.63
		3954.99	-0.80	1 / 64	23.18	22.38	0.173	30.00	-7.62
	QPSK	3725.01	-0.80	1 / 64	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 1	23.26	22.46	0.176	30.00	-7.54
		3954.99	-0.80	1 / 64	23.25	22.45	0.176	30.00	-7.55
	16-QAM	3954.99	-0.80	1 / 64	22.37	21.57	0.143	30.00	-8.43
	64-QAM	3840.00	-0.80	1 / 64	21.38	20.58	0.114	30.00	-9.42
	256-QAM	3725.01	-0.80	1 / 1	19.29	18.49	0.071	30.00	-11.51
60 MHz	π/2 BPSK	3730.02	-0.80	1 / 1	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 81	23.24	22.44	0.176	30.00	-7.56
		3949.98	-0.80	1 / 81	23.25	22.45	0.176	30.00	-7.55
	QPSK	3730.02	-0.80	1 / 81	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 81	23.10	22.30	0.170	30.00	-7.70
		3949.98	-0.80	1 / 1	23.28	22.48	0.177	30.00	-7.52
	16-QAM	3949.98	-0.80	1 / 81	22.57	21.77	0.150	30.00	-8.23
	64-QAM	3730.02	-0.80	1 / 81	21.29	20.49	0.112	30.00	-9.51
	256-QAM	3730.02	-0.80	1 / 160	19.39	18.59	0.072	30.00	-11.41
70 MHz	π/2 BPSK	3735.00	-0.80	1 / 90	23.21	22.41	0.174	30.00	-7.59
		3840.00	-0.80	1 / 90	23.21	22.41	0.174	30.00	-7.59
		3945.00	-0.80	1 / 90	23.24	22.44	0.175	30.00	-7.56
	QPSK	3735.00	-0.80	1 / 90	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 1	23.19	22.39	0.173	30.00	-7.61
		3945.00	-0.80	1 / 1	23.29	22.49	0.177	30.00	-7.51
	16-QAM	3840.00	-0.80	1 / 90	22.55	21.75	0.150	30.00	-8.25
	64-QAM	3945.00	-0.80	1 / 90	21.24	20.44	0.111	30.00	-9.56
	256-QAM	3945.00	-0.80	1 / 1	19.04	18.24	0.067	30.00	-11.76
80 MHz	π/2 BPSK	3740.01	-0.80	1 / 108	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 108	23.29	22.49	0.177	30.00	-7.51
		3939.99	-0.80	1 / 1	23.28	22.48	0.177	30.00	-7.52
	QPSK	3740.01	-0.80	1 / 108	23.22	22.42	0.175	30.00	-7.58
		3840.00	-0.80	1 / 1	23.22	22.42	0.175	30.00	-7.58
		3939.99	-0.80	1 / 1	23.24	22.44	0.175	30.00	-7.56
	16-QAM	3740.01	-0.80	1 / 108	22.51	21.71	0.148	30.00	-8.29
	64-QAM	3939.99	-0.80	1 / 1	21.12	20.32	0.108	30.00	-9.68
	256-QAM	3740.01	-0.80	1 / 108	19.11	18.31	0.068	30.00	-11.69
90 MHz	π/2 BPSK	3745.02	-0.80	1 / 120	23.16	22.36	0.172	30.00	-7.64
		3840.00	-0.80	1 / 243	23.27	22.47	0.177	30.00	-7.53
		3934.98	-0.80	1 / 1	23.26	22.46	0.176	30.00	-7.54
	QPSK	3745.02	-0.80	1 / 120	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 120	23.15	22.35	0.172	30.00	-7.65
		3934.98	-0.80	1 / 243	23.14	22.34	0.171	30.00	-7.66
	16-QAM	3840.00	-0.80	1 / 1	22.26	21.46	0.140	30.00	-8.54
	64-QAM	3745.02	-0.80	1 / 120	21.42	20.62	0.115	30.00	-9.38
	256-QAM	3840.00	-0.80	1 / 120	19.26	18.46	0.070	30.00	-11.54
100 MHz	π/2 BPSK	3750.00	-0.80	1 / 135	23.26	22.46	0.176	30.00	-7.54
		3840.00	-0.80	1 / 135	23.24	22.44	0.175	30.00	-7.56
		3930.00	-0.80	1 / 1	23.24	22.44	0.175	30.00	-7.56
	QPSK	3750.00	-0.80	1 / 135	23.30	22.50	0.178	30.00	-7.50
		3840.00	-0.80	1 / 1	23.15	22.35	0.172	30.00	-7.65
		3930.00	-0.80	1 / 271	23.22	22.42	0.175	30.00	-7.58
	16-QAM	3840.00	-0.80	1 / 1	22.53	21.73	0.149	30.00	-8.27
	64-QAM	3750.00	-0.80	1 / 135	21.48	20.68	0.117	30.00	-9.32
	256-QAM	3930.00	-0.80	1 / 1	19.26	18.46	0.070	30.00	-11.54

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

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7.7 Radiated Spurious Emissions Measurements

§2.1053, §27.53(l), §27.53(n)

Test Overview


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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

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

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Test Setup

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

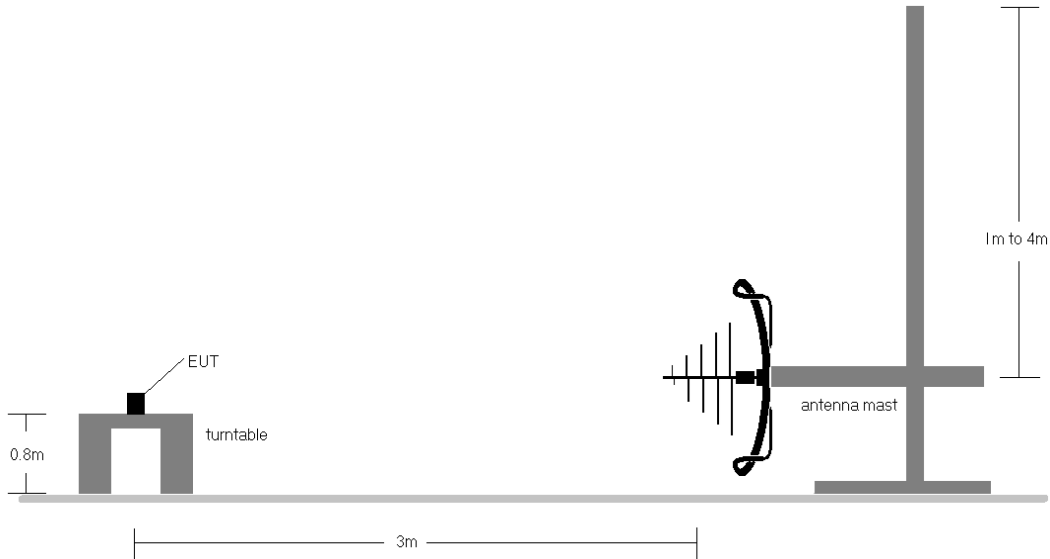


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

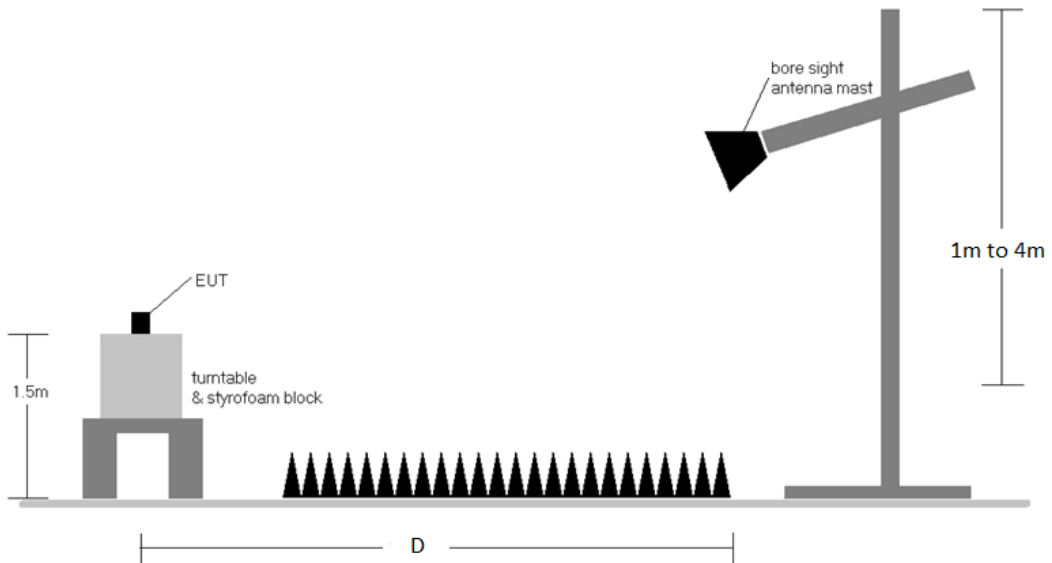



Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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Test Notes

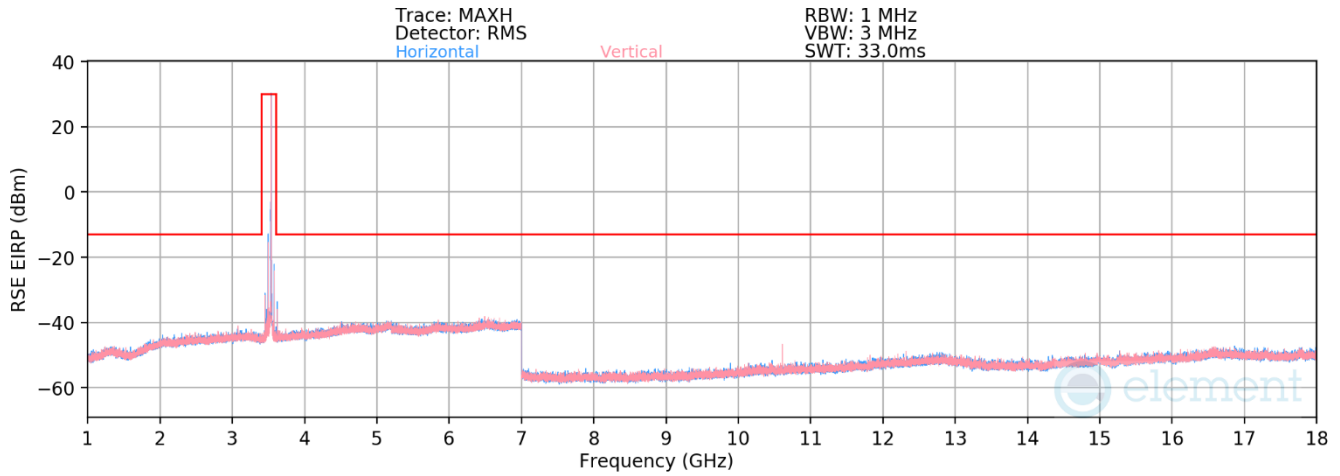
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
8. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.

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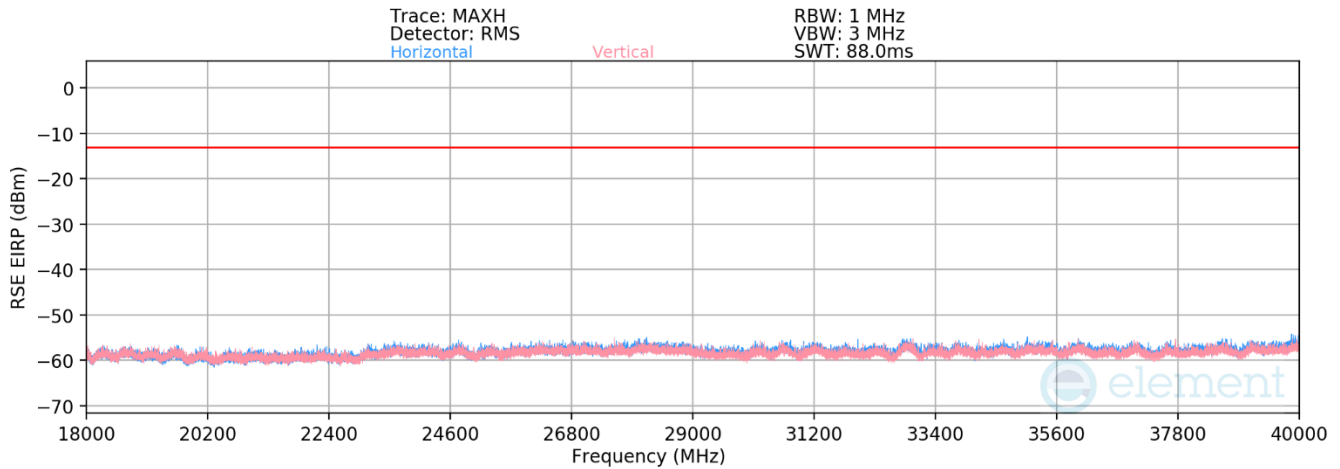
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7.7.1 Antenna 3a Radiated Spurious Emission Measurements

NR Band n77 DoD Band



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



Plot 7-416. Antenna 3a Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-78.17	4.93	33.76	-61.50	-13.00	-48.50
10485.0	V	278	243	-69.92	6.57	43.65	-51.61	-13.00	-38.61
13980.0	V	-	-	-79.39	9.53	37.14	-58.12	-13.00	-45.12
17475.0	V	-	-	-81.82	14.96	40.14	-55.12	-13.00	-42.12

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	-	-	-77.44	4.98	34.54	-60.72	-13.00	-47.72
10500.0	V	243	213	-68.86	6.64	44.78	-50.48	-13.00	-37.48
14000.0	V	-	-	-79.53	9.64	37.10	-58.15	-13.00	-45.15
17500.0	V	-	-	-82.09	14.80	39.71	-55.55	-13.00	-42.55

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

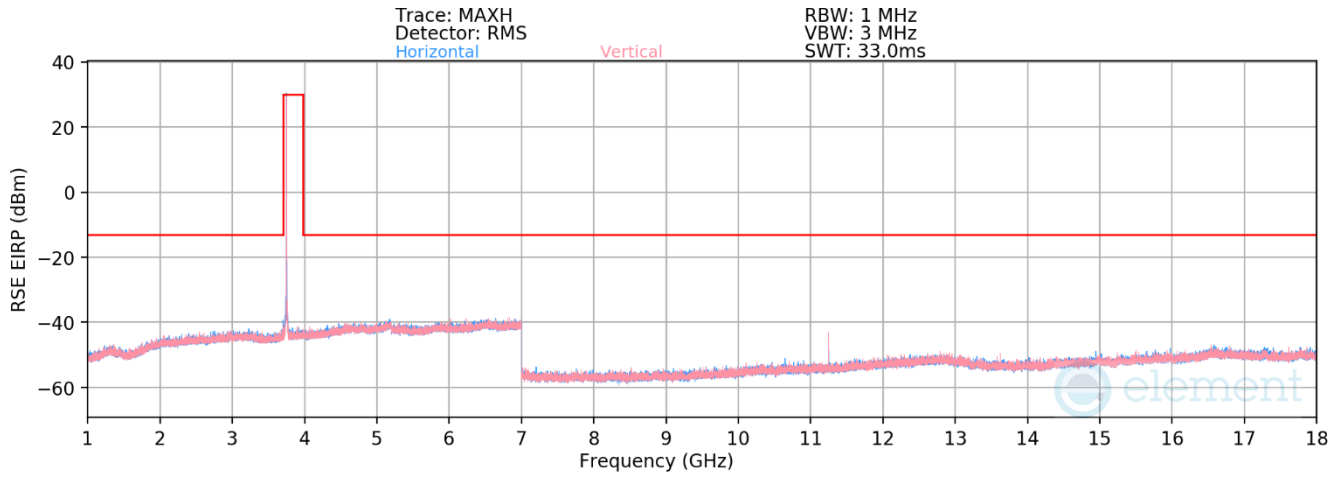
Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 238

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-77.91	4.91	34.00	-61.26	-13.00	-48.26
10515.0	V	222	210	-68.91	6.23	44.32	-50.94	-13.00	-37.94
14020.0	V	-	-	-79.78	9.60	36.82	-58.44	-13.00	-45.44
17525.0	V	-	-	-82.49	15.50	40.01	-55.25	-13.00	-42.25

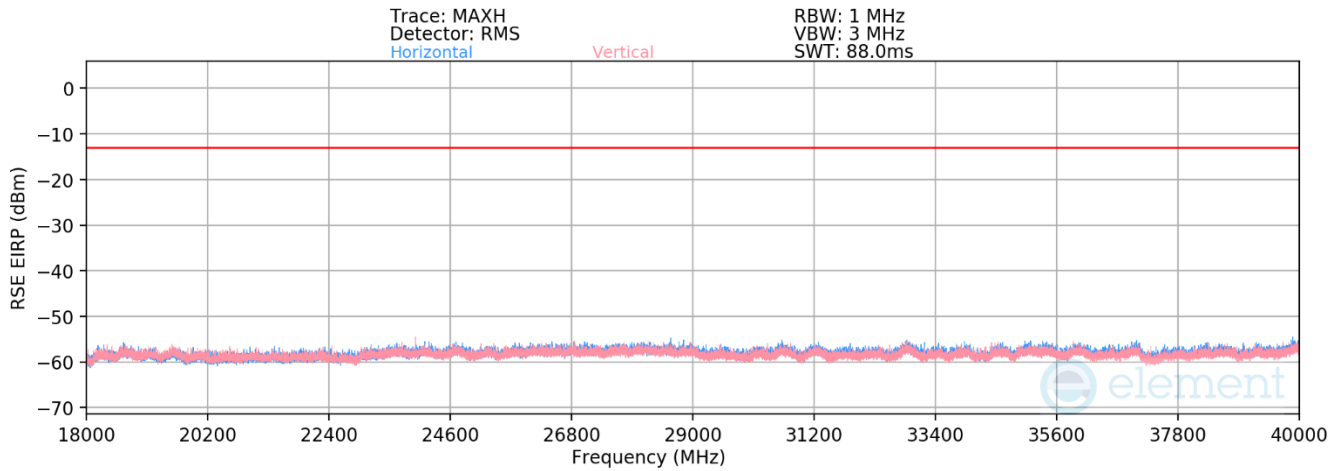
Table 7-20. Antenna 3a Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n77 C Band



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



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

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	271	118	-75.60	4.37	35.77	-59.49	-13.00	-46.49
11250.0	V	224	120	-67.52	7.03	46.51	-48.74	-13.00	-35.74
15000.0	V	-	-	-79.77	11.20	38.44	-56.82	-13.00	-43.82

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-77.73	3.91	33.18	-62.08	-13.00	-49.08
11520.0	V	400	138	-69.98	7.42	44.44	-50.82	-13.00	-37.82
15360.0	V	-	-	-80.39	11.60	38.22	-57.04	-13.00	-44.04

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-77.53	3.86	33.33	-61.93	-13.00	-48.93
11790.0	V	236	123	-74.49	7.91	40.42	-54.83	-13.00	-41.83
15720.0	V	-	-	-81.38	13.10	38.71	-56.54	-13.00	-43.54

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

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.2 Antenna 2 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	305	176	-75.99	4.93	35.94	-59.32	-13.00	-46.32
10485.0	V	-	-	-78.41	6.57	35.16	-60.10	-13.00	-47.10
13980.0	V	-	-	-79.75	9.53	36.78	-58.48	-13.00	-45.48
17475.0	V	-	-	-81.56	14.96	40.40	-54.86	-13.00	-41.86

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	257	137	-72.96	5.49	39.54	-55.72	-13.00	-42.72
10500.0	V	-	-	-77.34	8.08	37.75	-57.51	-13.00	-44.51
14000.0	V	-	-	-79.14	11.50	39.36	-55.90	-13.00	-42.90
17500.0	V	-	-	-80.48	15.72	42.25	-53.01	-13.00	-40.01

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-77.74	4.91	34.17	-61.09	-13.00	-48.09
10515.0	V	-	-	-78.33	6.23	34.90	-60.36	-13.00	-47.36
14020.0	V	-	-	-79.96	9.60	36.64	-58.62	-13.00	-45.62

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

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n77 C Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	284	182	-74.59	4.37	36.77	-58.48	-13.00	-45.48
11250.0	V	-	-	-78.30	7.04	35.74	-59.52	-13.00	-46.52
15000.0	V	-	-	-79.85	11.20	38.35	-56.91	-13.00	-43.91

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-77.57	3.91	33.34	-61.92	-13.00	-48.92
11520.0	V	-	-	-78.44	7.40	35.96	-59.30	-13.00	-46.30
15360.0	V	-	-	-80.52	11.62	38.10	-57.16	-13.00	-44.16

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-77.69	3.86	33.18	-62.08	-13.00	-49.08
11790.0	V	-	-	-78.98	8.02	36.05	-59.21	-13.00	-46.21
15720.0	V	-	-	-81.36	13.05	38.70	-56.56	-13.00	-43.56

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

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.3 Antenna 4 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	333	234	-76.12	4.74	35.61	-59.64	-13.00	-46.64
10485.0	V	-	-	-77.87	6.06	35.18	-60.08	-13.00	-47.08
13980.0	V	-	-	-80.06	9.79	36.73	-58.53	-13.00	-45.53
17475.0	V	-	-	-82.42	15.38	39.96	-55.30	-13.00	-42.30

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	-	-	-76.35	5.49	36.14	-59.11	-13.00	-46.11
10500.0	V	-	-	-77.12	8.07	37.95	-57.31	-13.00	-44.31
14000.0	V	-	-	-79.28	11.50	39.22	-56.04	-13.00	-43.04

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-77.80	4.84	34.04	-61.22	-13.00	-48.22
10515.0	V	-	-	-78.73	6.49	34.76	-60.50	-13.00	-47.50
14020.0	V	-	-	-79.70	9.54	36.83	-58.42	-13.00	-45.42

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

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n77 C Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-78.21	4.37	33.16	-62.10	-13.00	-49.10
11250.0	V	-	-	-78.21	7.03	35.82	-59.44	-13.00	-46.44
15000.0	V	-	-	-79.84	11.20	38.36	-56.89	-13.00	-43.89

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-77.77	3.91	33.14	-62.12	-13.00	-49.12
11520.0	V	-	-	-78.39	7.42	36.03	-59.23	-13.00	-46.23
15360.0	V	-	-	-80.44	11.60	38.16	-57.09	-13.00	-44.09

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-76.27	5.16	35.89	-59.37	-13.00	-46.37
11790.0	V	-	-	-78.35	10.01	38.66	-56.60	-13.00	-43.60
15720.0	V	-	-	-80.50	14.38	40.88	-54.38	-13.00	-41.38

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

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.4 Antenna 1a Radiated Spurious Emission Measurements

NR Band n77 DoD Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-78.26	4.74	33.48	-61.78	-13.00	-48.78
10485.0	V	-	-	-77.83	6.04	35.22	-60.04	-13.00	-47.04
13980.0	V	-	-	-80.11	9.79	36.68	-58.57	-13.00	-45.57

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	-	-	-76.73	5.51	35.79	-59.47	-13.00	-46.47
10500.0	V	-	-	-77.19	8.07	37.88	-57.38	-13.00	-44.38
14000.0	V	-	-	-79.19	11.50	39.31	-55.95	-13.00	-42.95

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-78.15	4.98	33.83	-61.43	-13.00	-48.43
10515.0	V	-	-	-78.24	6.18	34.94	-60.32	-13.00	-47.32
14020.0	V	-	-	-79.61	9.51	36.90	-58.36	-13.00	-45.36

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

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NR Band n77 C Band

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	-	-	-77.80	4.37	33.56	-61.69	-13.00	-48.69
11250.0	V	-	-	-78.23	7.03	35.81	-59.45	-13.00	-46.45
15000.0	V	-	-	-79.76	11.20	38.44	-56.82	-13.00	-43.82

Table 7-39. Antenna 1a Radiated Spurious Data (NR Band n77 C Band – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	-	-	-77.63	3.91	33.28	-61.98	-13.00	-48.98
11520.0	V	-	-	-78.43	7.50	36.07	-59.18	-13.00	-46.18
15360.0	V	-	-	-80.40	11.59	38.18	-57.07	-13.00	-44.07

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	-	-	-77.57	3.86	33.29	-61.96	-13.00	-48.96
11790.0	V	-	-	-78.79	7.91	36.12	-59.14	-13.00	-46.14
15720.0	V	-	-	-81.20	13.05	38.85	-56.41	-13.00	-43.41

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

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7.8 Frequency Stability / Temperature Variation

\$2.1055, \$27.54

Test Overview and Limit

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

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

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

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

Test Setup

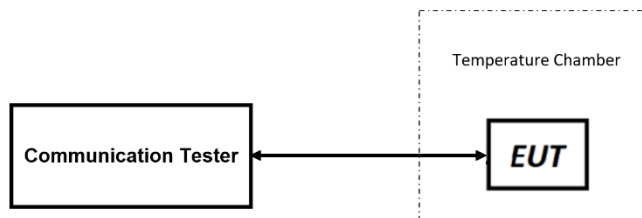



Figure 7-8. Test Instrument & Measurement Setup

Test Notes

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

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Frequency Stability / Temperature Variation

NR Band n77 (3450-3550MHz)				
		Operating Band Lower Boundary (GHz)	3.4500	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.45058162	-0.00058162
		- 20	3.45098438	-0.00098438
		- 10	3.45075046	-0.00075046
		0	3.45091688	-0.00091688
		+ 10	3.45031225	-0.00031225
		+ 20 (Ref)	3.45032068	-0.00032068
		+ 30	3.45000098	-0.00000098
		+ 40	3.45071614	-0.00071614
		+ 50	3.45062815	-0.00062815
Battery Endpoint	3.40	+ 20	3.45096963	-0.00096963

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	3.54905679	-0.00094321
		- 20	3.54922674	-0.00077326
		- 10	3.54976632	-0.00023368
		0	3.54926488	-0.00073512
		+ 10	3.54908128	-0.00091872
		+ 20 (Ref)	3.54988587	-0.00011413
		+ 30	3.54996818	-0.00003182
		+ 40	3.54984186	-0.00015814
		+ 50	3.54990421	-0.00009579
Battery Endpoint	3.40	+ 20	3.54940879	-0.00059121

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

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Frequency Stability / Temperature Variation

NR Band n77 (3700-3980MHz)				
Operating Band Lower Boundary (GHz)			3.700	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.70059645	-0.00059645
		- 20	3.70009262	-0.00009262
		- 10	3.70092246	-0.00092246
		0	3.70019007	-0.00019007
		+ 10	3.70009745	-0.00009745
		+ 20 (Ref)	3.70080296	-0.00080296
		+ 30	3.70079062	-0.00079062
		+ 40	3.70054061	-0.00054061
		+ 50	3.70038850	-0.00038850
Battery Endpoint	3.40	+ 20	3.70031567	-0.00031567

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	3.97906746	-0.00093254
		- 20	3.97918671	-0.00081329
		- 10	3.97944298	-0.00055702
		0	3.97981625	-0.00018375
		+ 10	3.97949508	-0.00050492
		+ 20 (Ref)	3.97924762	-0.00075238
		+ 30	3.97930281	-0.00069719
		+ 40	3.97981085	-0.00018915
		+ 50	3.97929328	-0.00070672
Battery Endpoint	3.40	+ 20	3.97974010	-0.00025990

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

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA2899** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-11.BCG	Test Dates: 10/01/2023 - 03/07/2024	EUT Type: Tablet Device
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