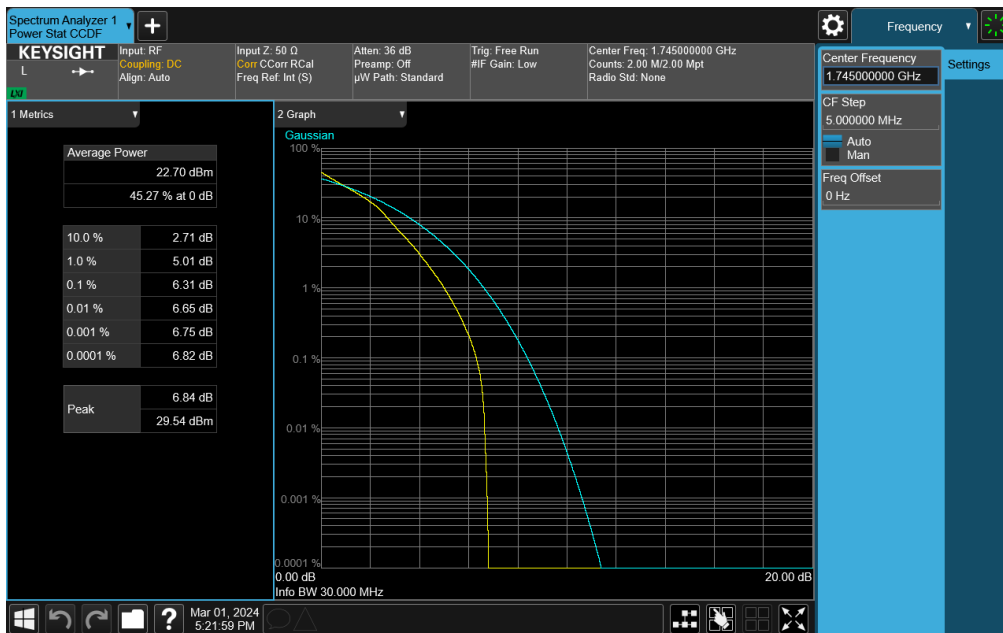
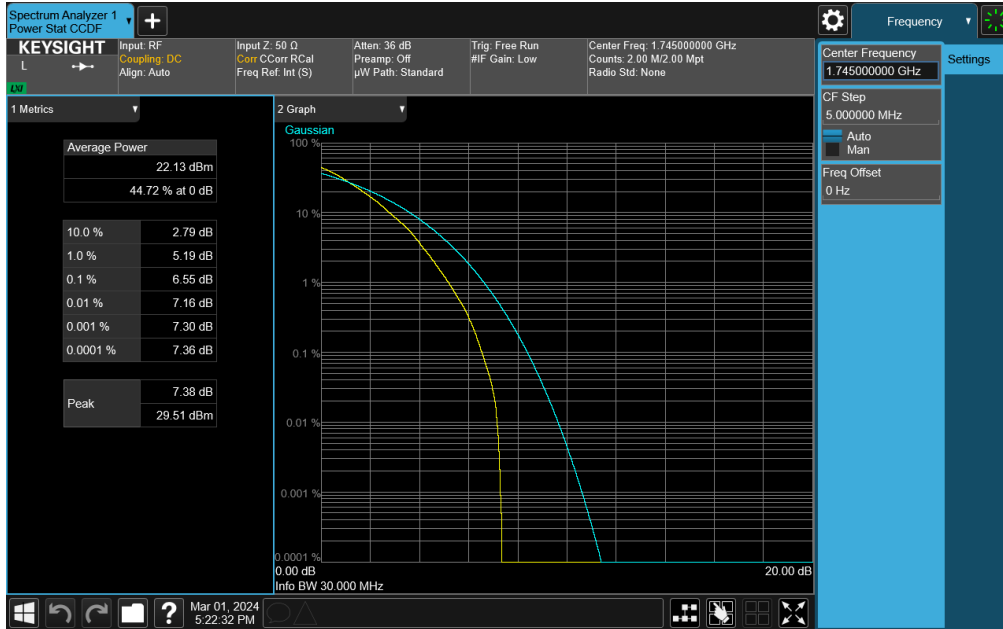


Plot 7-448. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM QPSK - Full RB)

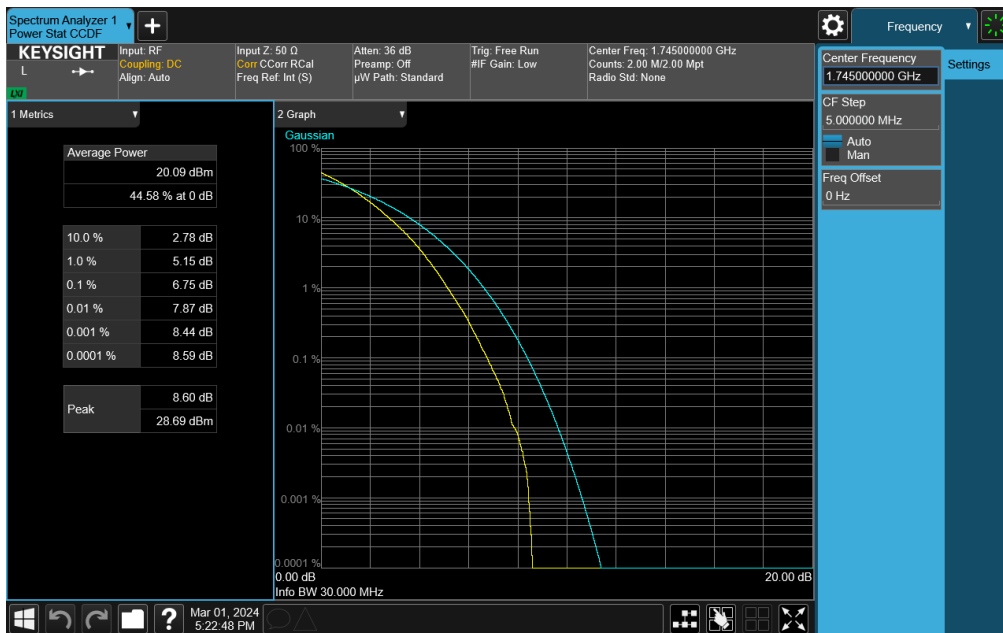


Plot 7-449. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 253 of 351

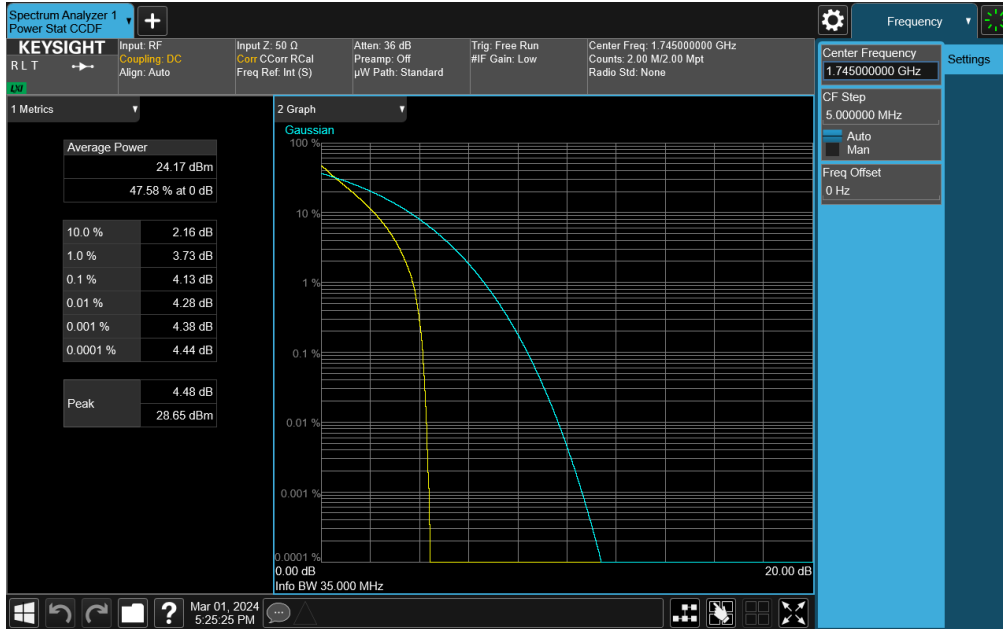


Plot 7-450. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 64-QAM - Full RB)

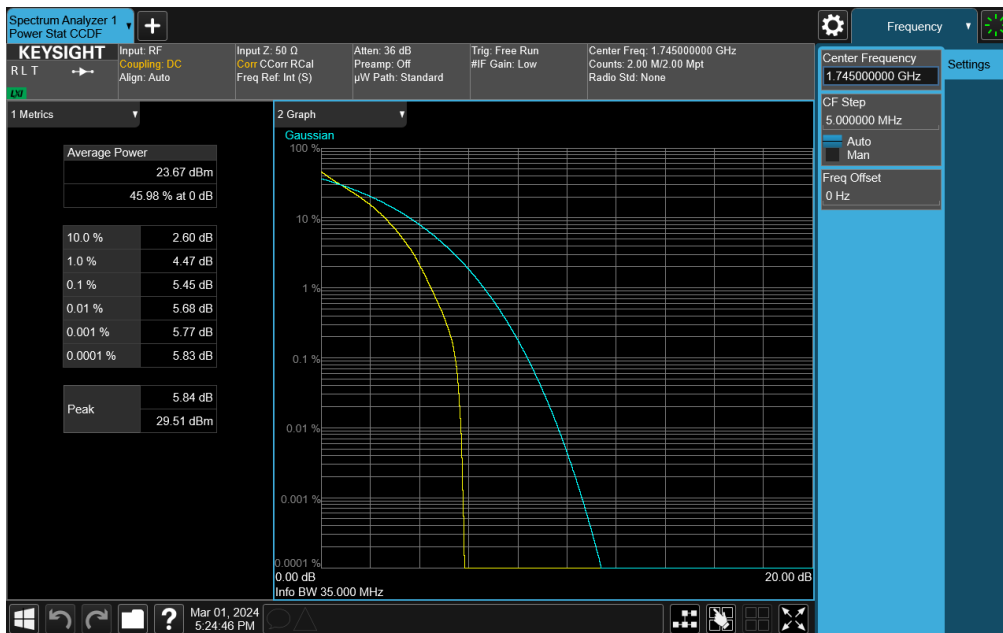


Plot 7-451. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 254 of 351

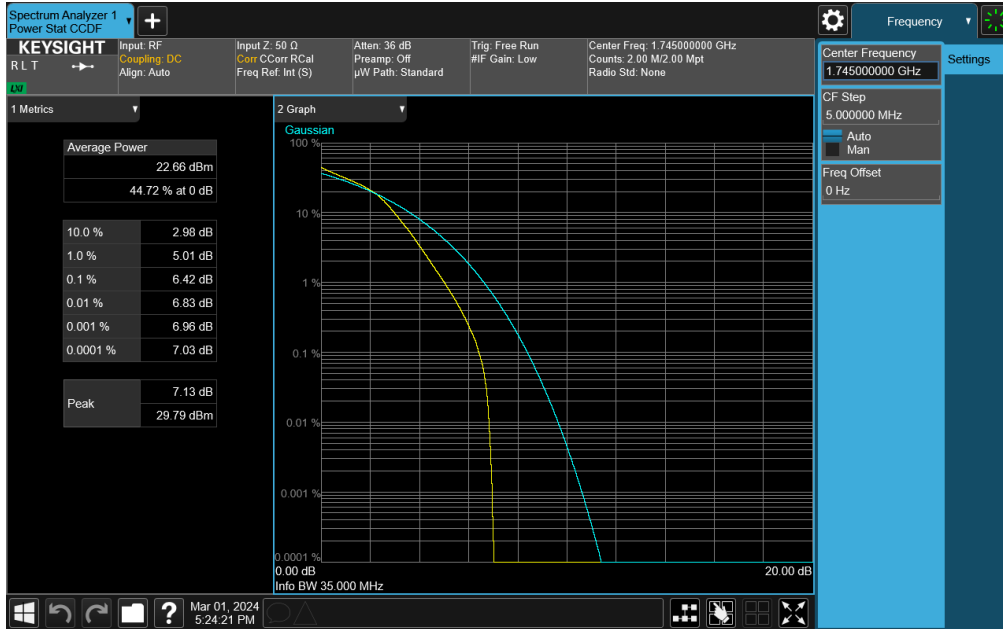


Plot 7-452. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

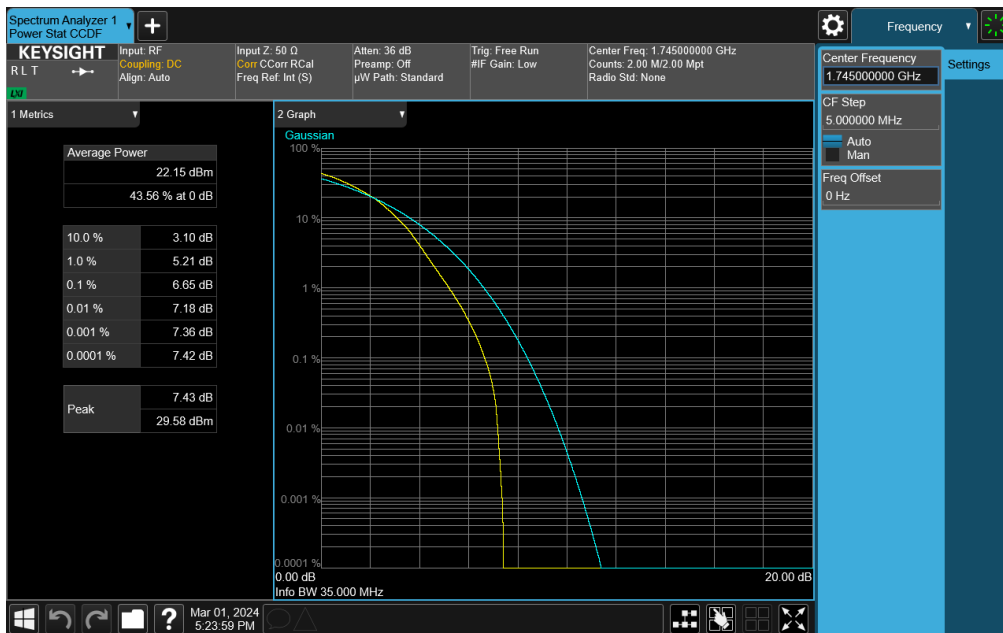


Plot 7-453. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 255 of 351

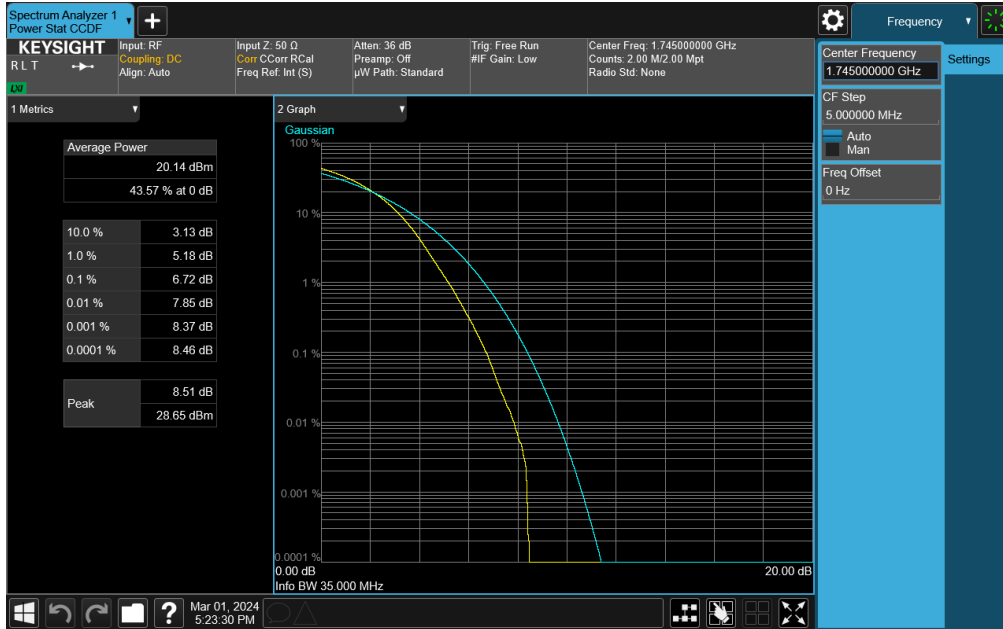


Plot 7-454. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM 16-QAM - Full RB)

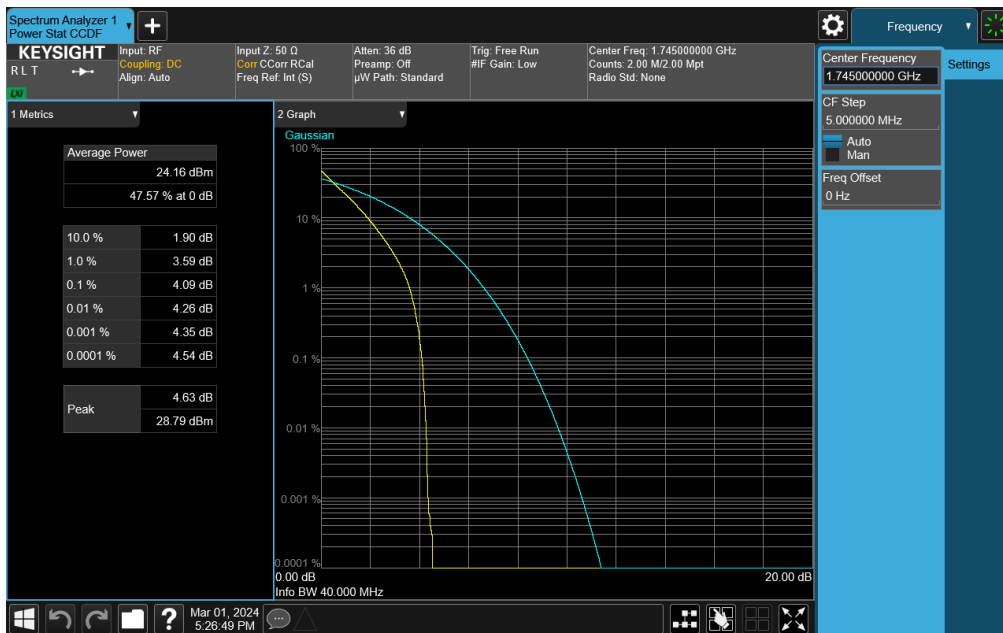


Plot 7-455. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 256 of 351

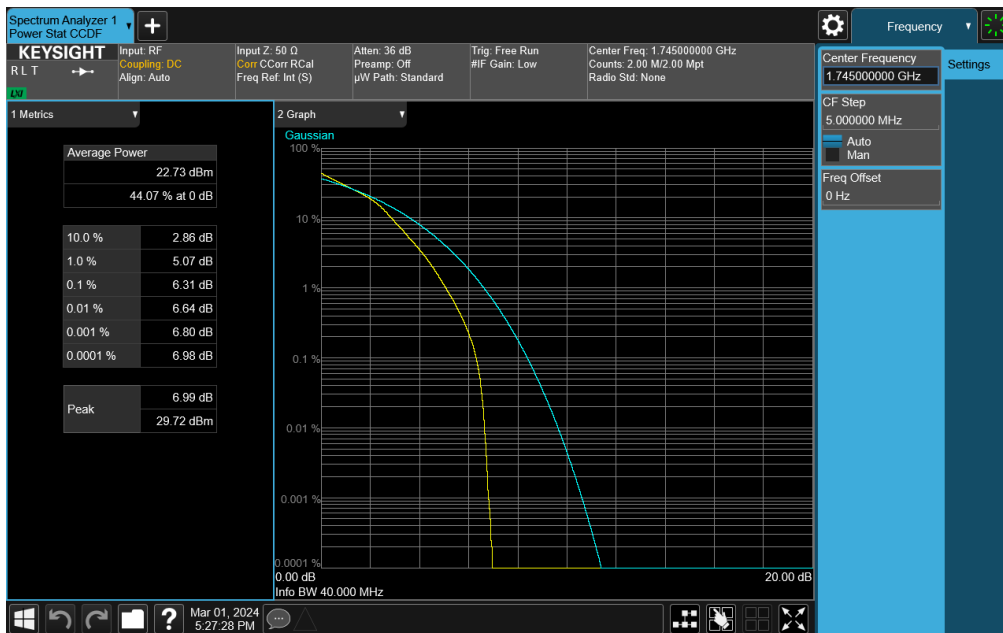
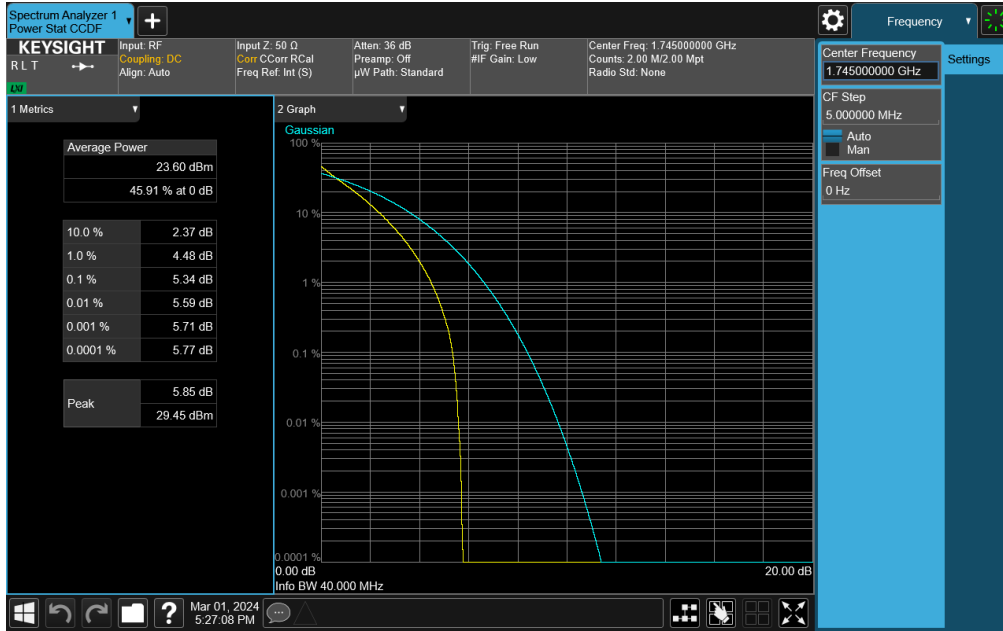


Plot 7-456. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM 256-QAM - Full RB)

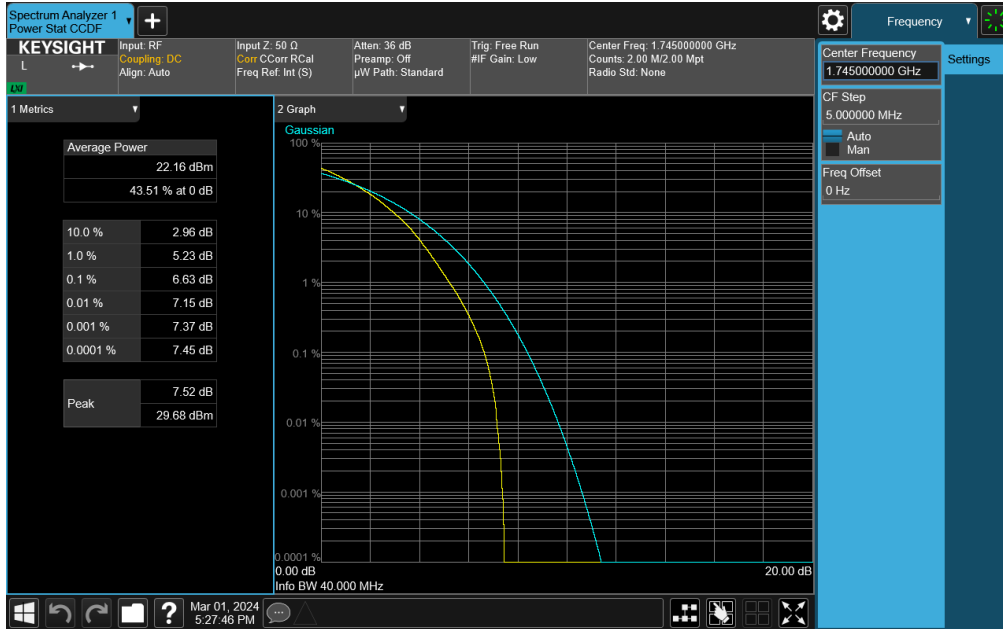


Plot 7-457. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

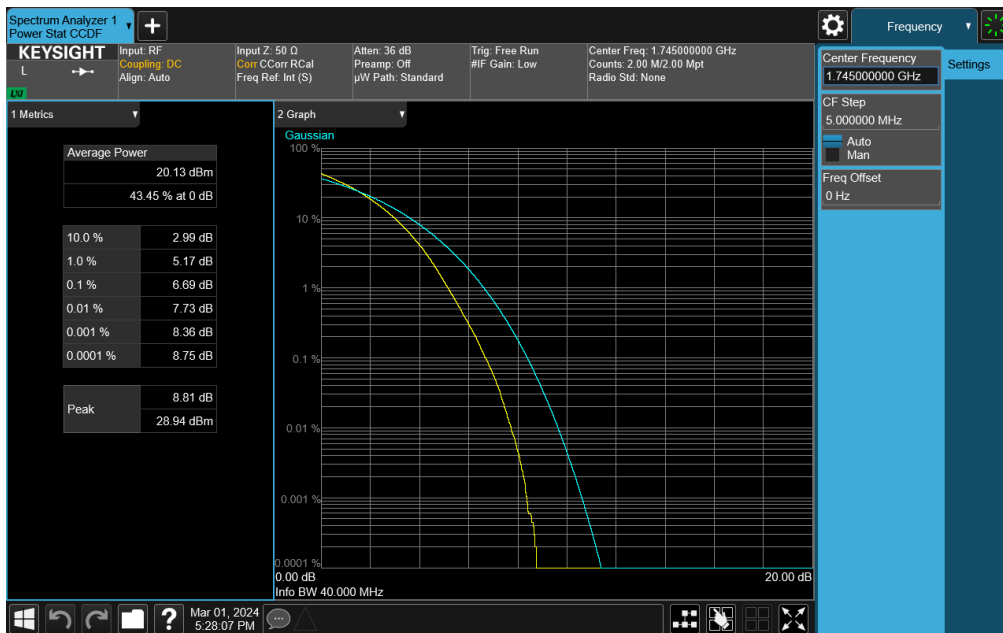
FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 257 of 351



FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 258 of 351

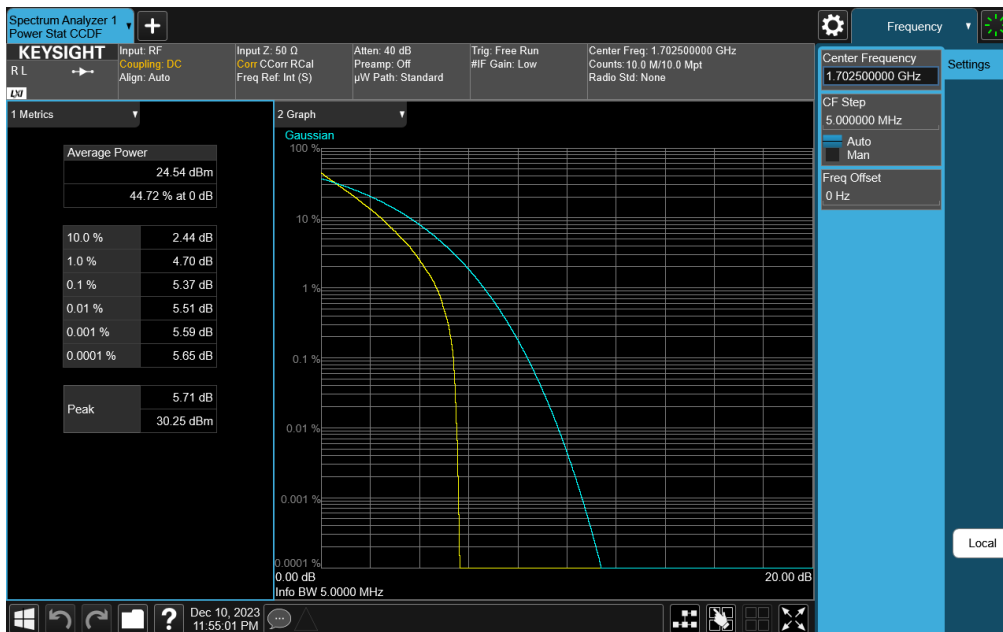
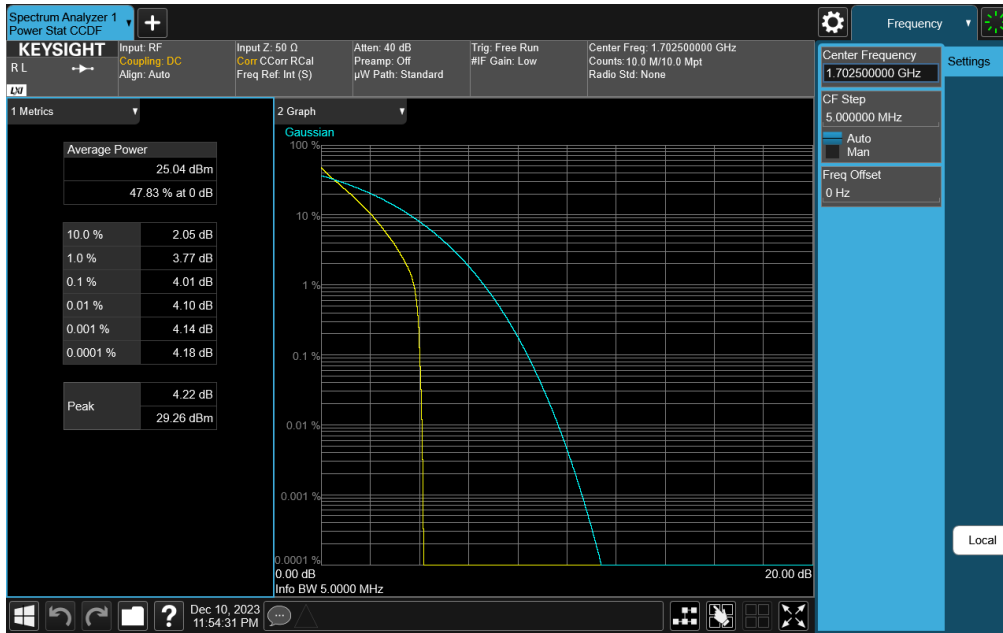


Plot 7-460. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 64-QAM - Full RB)

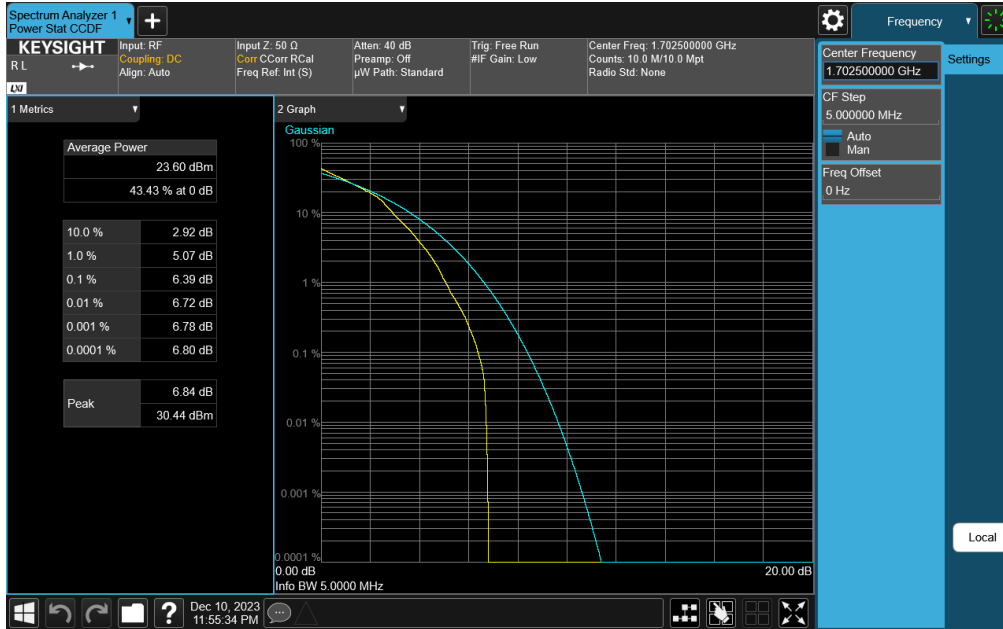


Plot 7-461. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 256-QAM - Full RB)

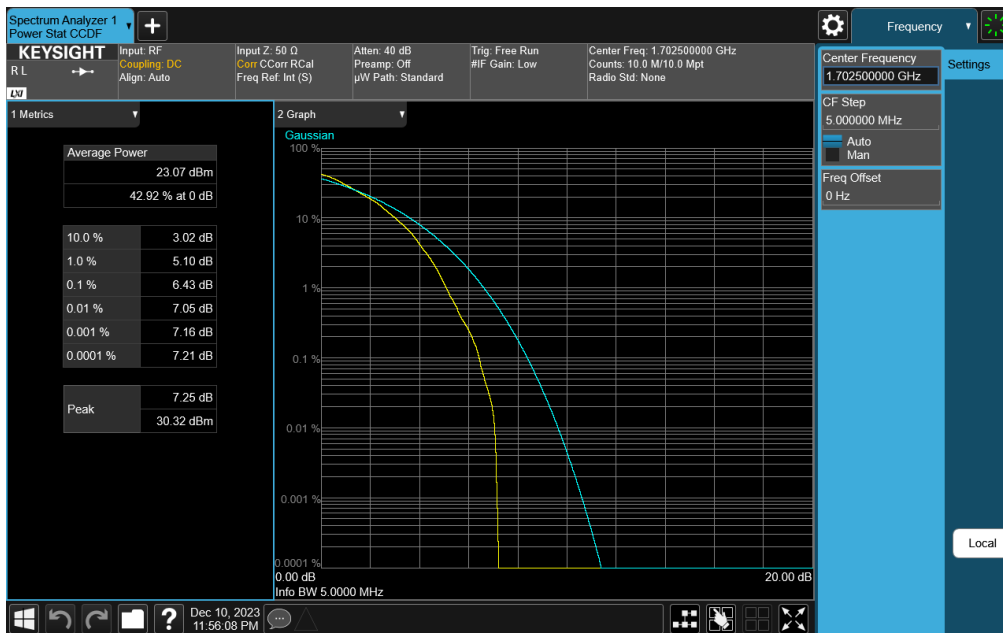
FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 259 of 351



FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 260 of 351

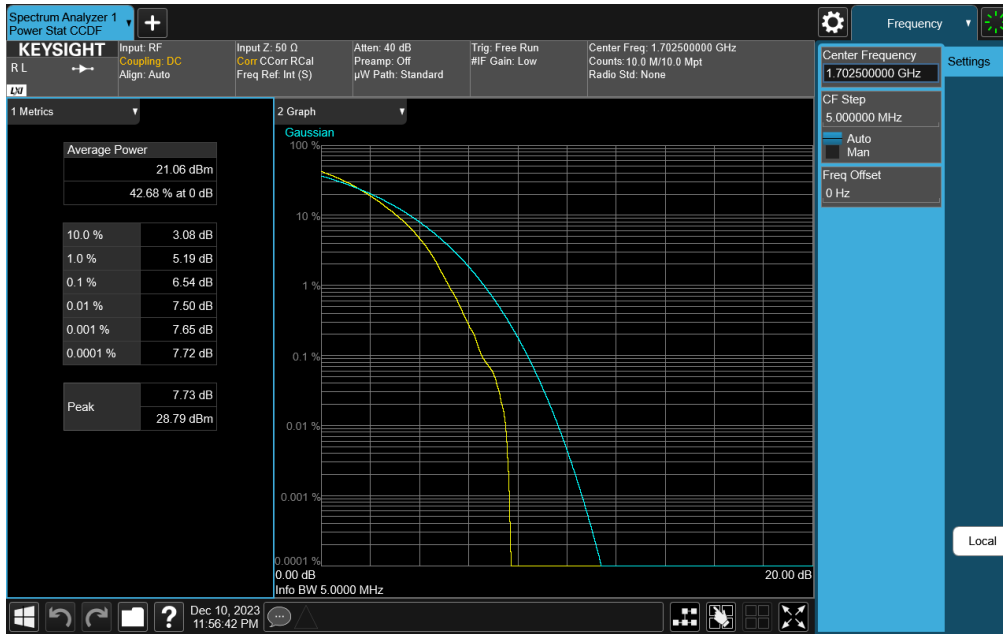


Plot 7-464. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)

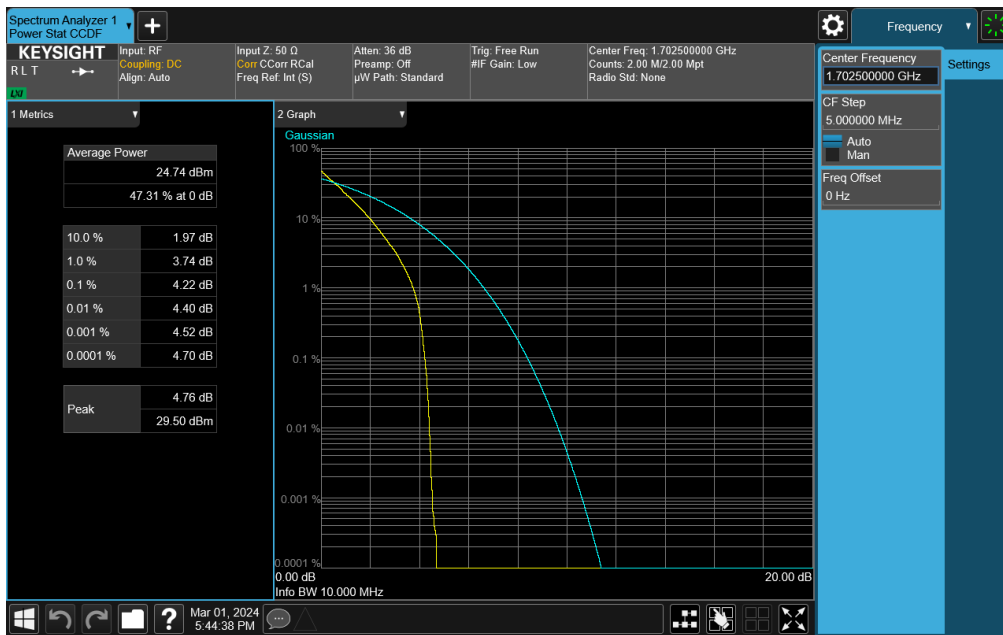


Plot 7-465. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 261 of 351

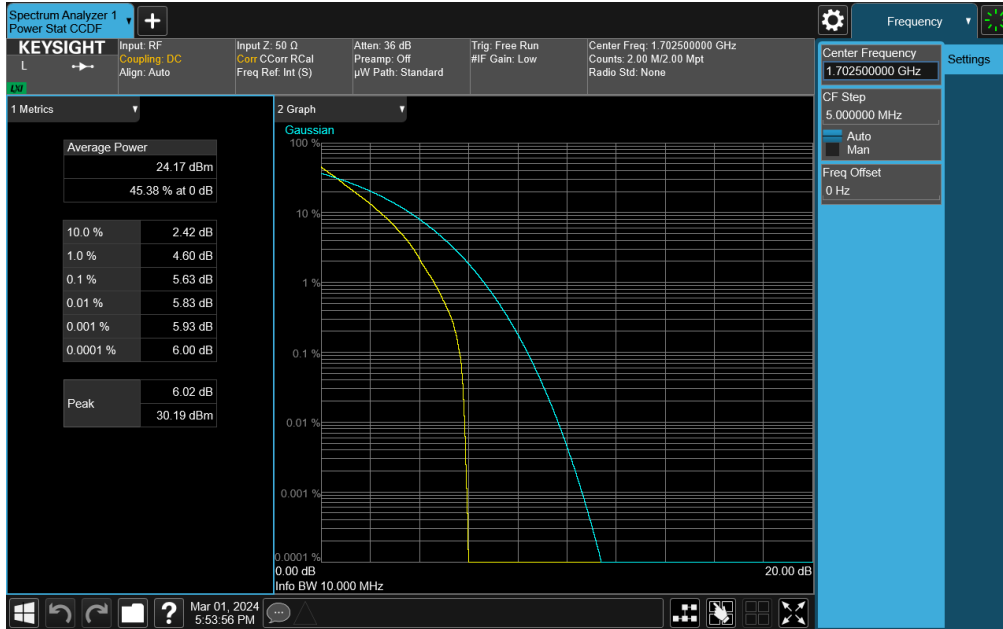


Plot 7-466. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 256-QAM - Full RB)

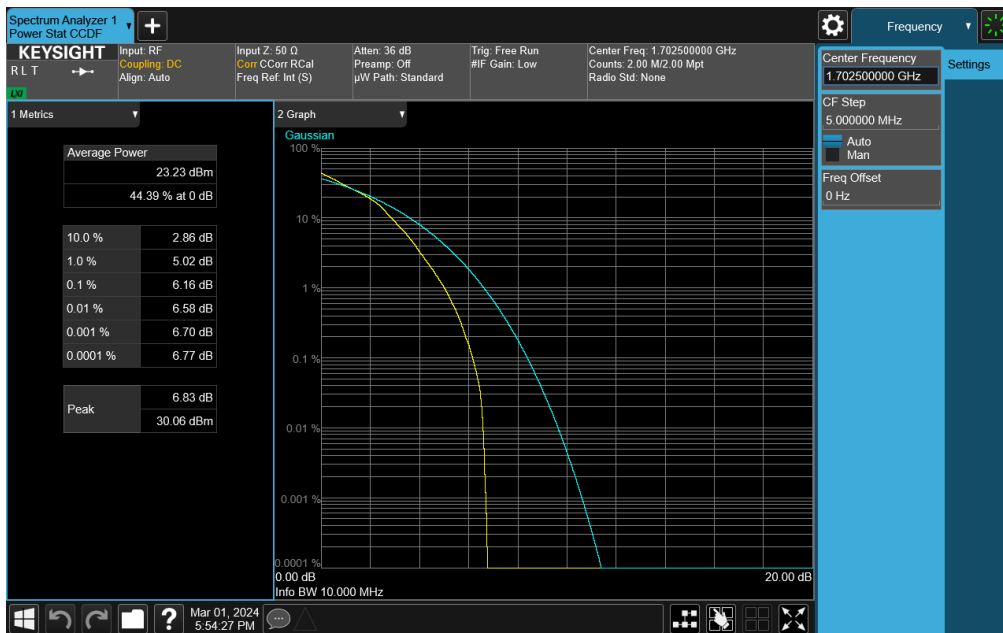


Plot 7-467. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 262 of 351

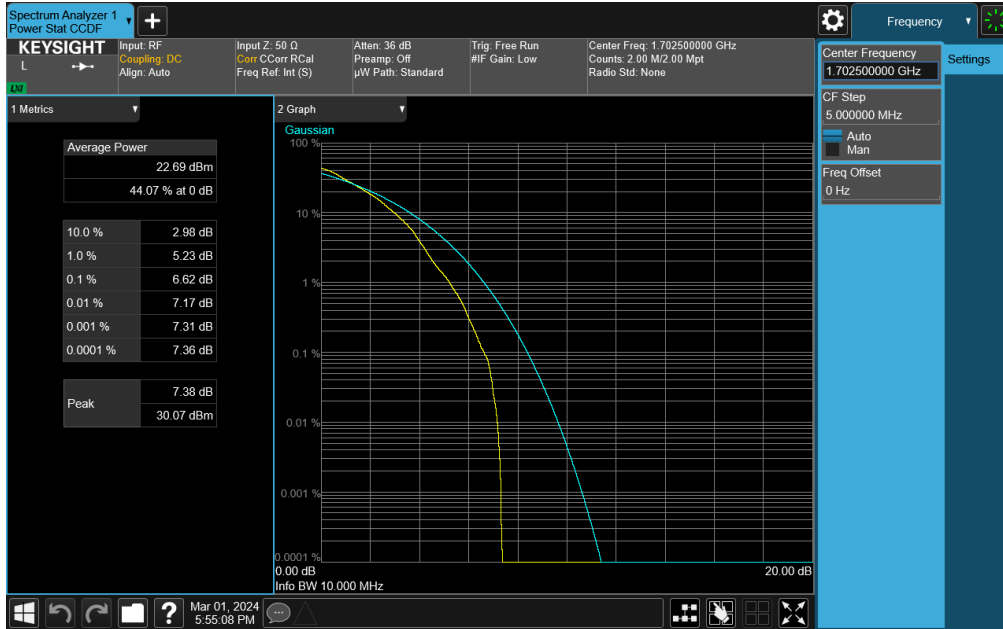


Plot 7-468. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM QPSK - Full RB)

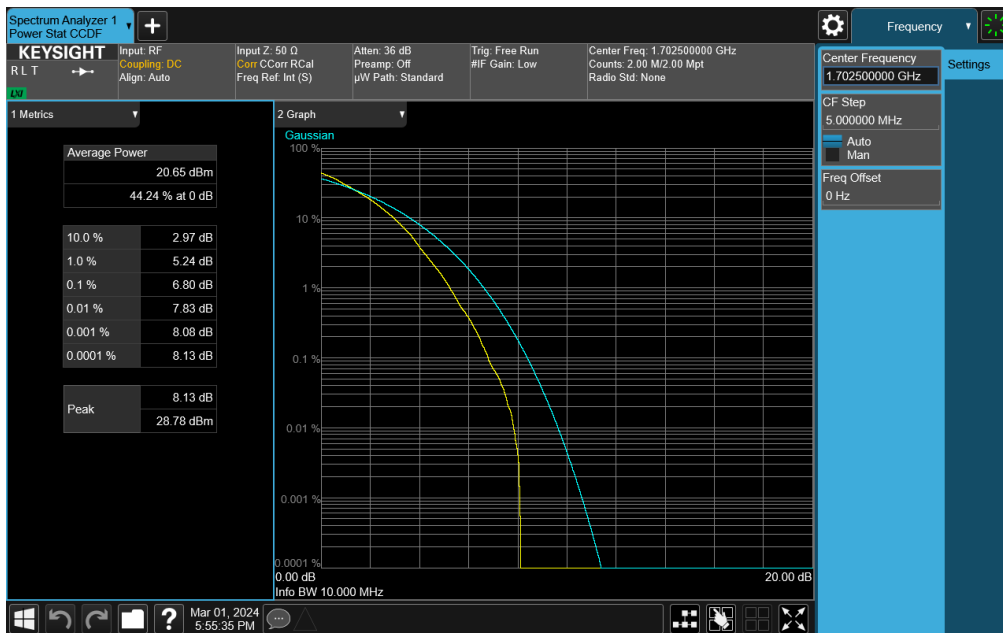


Plot 7-469. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 263 of 351

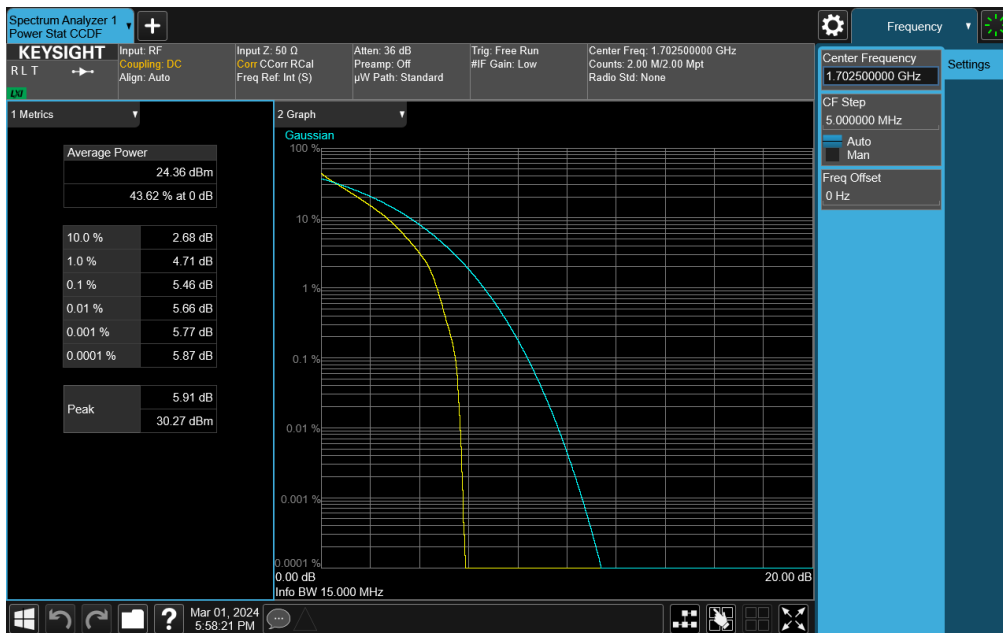
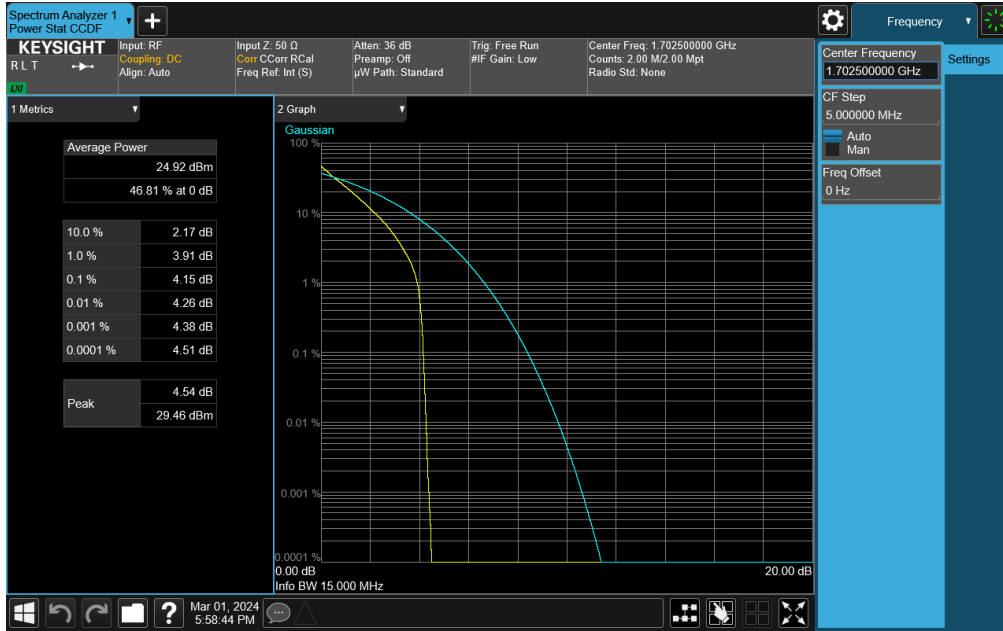


Plot 7-470. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)

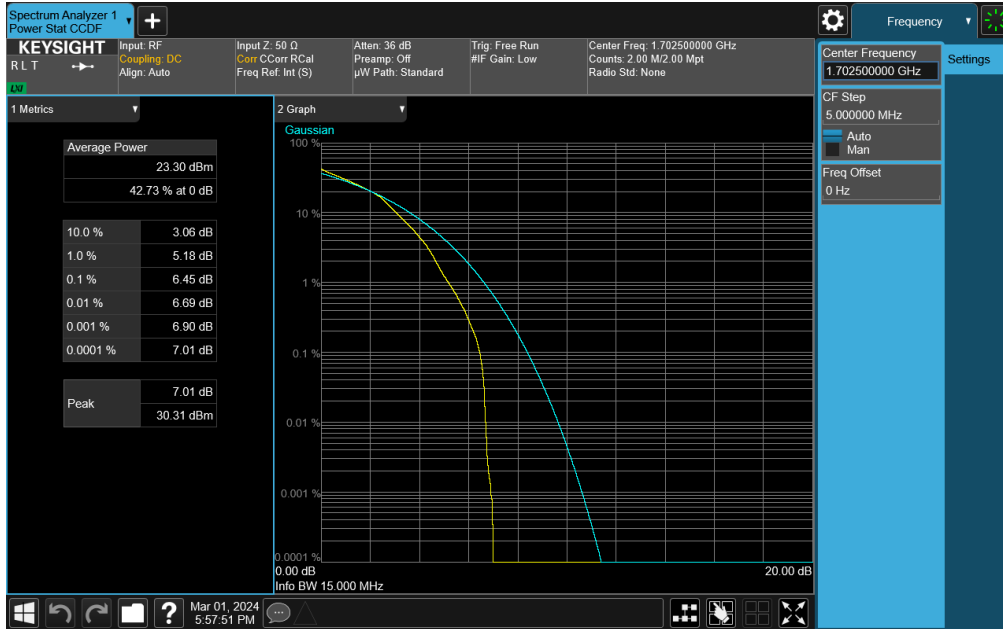


Plot 7-471. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

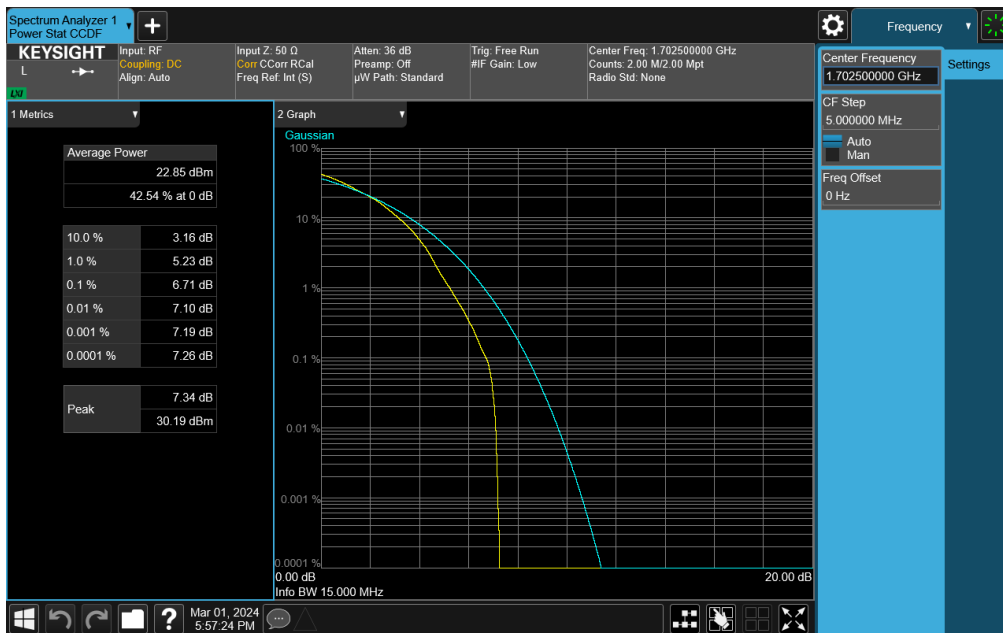
FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 264 of 351



FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 265 of 351

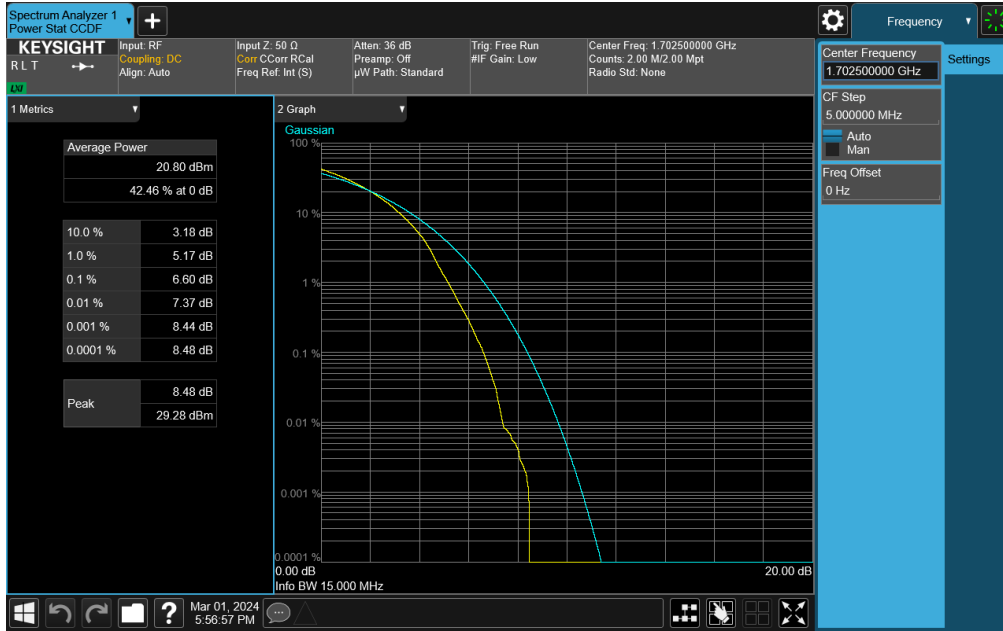


Plot 7-474. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)



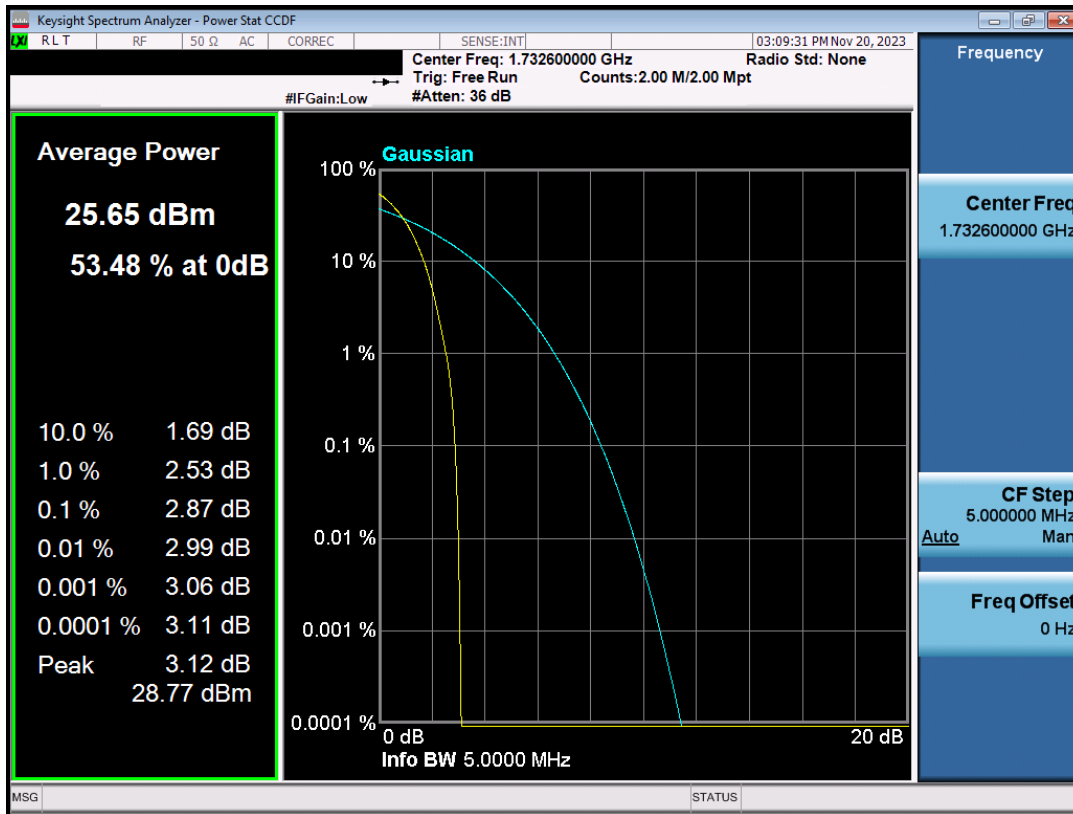
Plot 7-475. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 266 of 351



Plot 7-476. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 267 of 351



Plot 7-477. PAR Plot (WCDMA, Ch. 1413)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 268 of 351

7.6 Radiated Power (ERP/EIRP)

§27.50(b)(10), §27.50(c)(10), §27.50(d)(4)

Test Overview

Effective Radiated Power (ERP) and 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:

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

Where:

ERP/EIRP = Effective or Equivalent Isotropic Radiated Power, respectively (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 dBd (ERP) or dBi (EIRP)

Test Setup

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

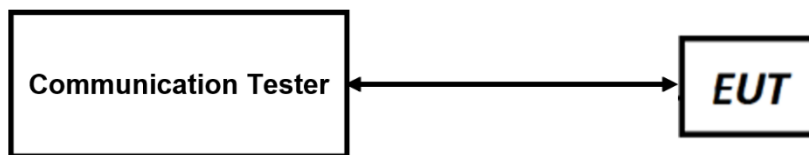




Figure 7-5. ERP/EIRP Measurement Setup

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 269 of 351

V2.2 09/07/2023

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. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1."
5. The Ant. Gains (GT) are listed in dBi.
6. 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: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 270 of 351


V2.2 09/07/2023

7.6.1 Antenna 4 – ERP/EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	1.40	1 / 5	25.62	27.02	0.504	30.00	-2.98
		1745.0	1.40	1 / 0	25.31	26.71	0.469	30.00	-3.29
		1779.3	1.40	1 / 5	25.15	26.55	0.452	30.00	-3.45
	16-QAM	1745.0	1.40	1 / 5	24.54	25.94	0.393	30.00	-4.06
	64-QAM	1710.7	1.40	1 / 3	23.56	24.96	0.313	30.00	-5.04
256-QAM	1710.7	1.40	1 / 0	20.65	22.05	0.160	30.00	-7.95	
3 MHz	QPSK	1711.5	1.40	1 / 0	25.38	26.78	0.476	30.00	-3.22
		1745.0	1.40	1 / 0	25.22	26.62	0.459	30.00	-3.38
		1778.5	1.40	1 / 0	25.09	26.49	0.446	30.00	-3.51
	16-QAM	1711.5	1.40	1 / 0	24.85	26.25	0.422	30.00	-3.75
	64-QAM	1711.5	1.40	1 / 14	23.76	25.16	0.328	30.00	-4.84
256-QAM	1711.5	1.40	1 / 0	20.58	21.98	0.158	30.00	-8.02	
5 MHz	QPSK	1712.5	1.40	1 / 0	25.54	26.94	0.494	30.00	-3.06
		1745.0	1.40	1 / 0	25.34	26.74	0.472	30.00	-3.26
		1777.5	1.40	1 / 0	25.16	26.56	0.453	30.00	-3.44
	16-QAM	1712.5	1.40	1 / 0	24.84	26.24	0.421	30.00	-3.76
	64-QAM	1712.5	1.40	1 / 0	23.74	25.14	0.327	30.00	-4.86
256-QAM	1712.5	1.40	1 / 0	20.63	22.03	0.160	30.00	-7.97	
10 MHz	QPSK	1715.0	1.40	1 / 25	25.31	26.71	0.469	30.00	-3.29
		1745.0	1.40	1 / 25	25.30	26.70	0.468	30.00	-3.30
		1775.0	1.40	1 / 0	25.26	26.66	0.463	30.00	-3.34
	16-QAM	1715.0	1.40	1 / 25	24.67	26.07	0.405	30.00	-3.93
	64-QAM	1715.0	1.40	1 / 25	23.74	25.14	0.327	30.00	-4.86
256-QAM	1715.0	1.40	1 / 25	20.54	21.94	0.156	30.00	-8.06	
15 MHz	QPSK	1717.5	1.40	1 / 0	25.35	26.75	0.473	30.00	-3.25
		1745.0	1.40	1 / 0	25.23	26.63	0.460	30.00	-3.37
		1772.5	1.40	1 / 0	25.01	26.41	0.438	30.00	-3.59
	16-QAM	1717.5	1.40	1 / 0	24.57	25.97	0.395	30.00	-4.03
	64-QAM	1717.5	1.40	1 / 0	23.60	25.00	0.316	30.00	-5.00
256-QAM	1717.5	1.40	1 / 0	20.33	21.73	0.149	30.00	-8.27	
20 MHz	QPSK	1720.0	1.40	1 / 50	25.32	26.72	0.470	30.00	-3.28
		1745.0	1.40	1 / 50	24.88	26.28	0.425	30.00	-3.72
		1770.0	1.40	1 / 0	25.13	26.53	0.450	30.00	-3.47
	16-QAM	1745.0	1.40	1 / 0	24.75	26.15	0.412	30.00	-3.85
	64-QAM	1720.0	1.40	1 / 0	23.67	25.07	0.321	30.00	-4.93
256-QAM	1720.0	1.40	1 / 50	20.41	21.81	0.152	30.00	-8.19	


Table 7-2. Antenna 4 EIRP Data (LTE Band 66)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 271 of 351

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	1.40	1 / 5	25.58	26.98	0.499	30.00	-3.02
		1732.5	1.40	1 / 0	25.21	26.61	0.458	30.00	-3.39
		1754.3	1.40	1 / 3	25.32	26.72	0.470	30.00	-3.28
	16-QAM	1754.3	1.40	1 / 3	24.56	25.96	0.394	30.00	-4.04
	64-QAM	1710.7	1.40	1 / 0	23.60	25.00	0.316	30.00	-5.00
256-QAM	1710.7	1.40	1 / 3	20.62	22.02	0.159	30.00	-7.98	
3 MHz	QPSK	1711.5	1.40	1 / 0	25.31	26.71	0.469	30.00	-3.29
		1732.5	1.40	1 / 0	25.20	26.60	0.457	30.00	-3.40
		1753.5	1.40	1 / 0	25.42	26.82	0.481	30.00	-3.18
	16-QAM	1711.5	1.40	1 / 0	24.71	26.11	0.408	30.00	-3.89
	64-QAM	1711.5	1.40	1 / 0	23.75	25.15	0.327	30.00	-4.85
256-QAM	1711.5	1.40	1 / 0	20.51	21.91	0.155	30.00	-8.09	
5 MHz	QPSK	1712.5	1.40	1 / 0	25.60	27.00	0.501	30.00	-3.00
		1732.5	1.40	1 / 0	25.34	26.74	0.472	30.00	-3.26
		1752.5	1.40	1 / 0	25.35	26.75	0.473	30.00	-3.25
	16-QAM	1712.5	1.40	1 / 0	24.92	26.32	0.429	30.00	-3.68
	64-QAM	1712.5	1.40	1 / 12	23.76	25.16	0.328	30.00	-4.84
256-QAM	1712.5	1.40	1 / 0	20.68	22.08	0.161	30.00	-7.92	
10 MHz	QPSK	1715.0	1.40	1 / 0	25.32	26.72	0.470	30.00	-3.28
		1732.5	1.40	1 / 0	25.27	26.67	0.465	30.00	-3.33
		1750.0	1.40	1 / 49	25.44	26.84	0.483	30.00	-3.16
	16-QAM	1715.0	1.40	1 / 25	24.80	26.20	0.417	30.00	-3.80
	64-QAM	1715.0	1.40	1 / 25	23.72	25.12	0.325	30.00	-4.88
256-QAM	1715.0	1.40	1 / 25	20.55	21.95	0.157	30.00	-8.05	
15 MHz	QPSK	1717.5	1.40	1 / 0	25.29	26.69	0.467	30.00	-3.31
		1732.5	1.40	1 / 0	25.32	26.72	0.470	30.00	-3.28
		1747.5	1.40	1 / 0	25.31	26.71	0.469	30.00	-3.29
	16-QAM	1747.5	1.40	1 / 0	24.56	25.96	0.394	30.00	-4.04
	64-QAM	1717.5	1.40	1 / 0	23.48	24.88	0.308	30.00	-5.12
256-QAM	1717.5	1.40	1 / 0	20.36	21.76	0.150	30.00	-8.24	
20 MHz	QPSK	1720.0	1.40	1 / 50	25.41	26.81	0.480	30.00	-3.19
		1732.5	1.40	1 / 50	25.38	26.78	0.476	30.00	-3.22
		1745.0	1.40	1 / 50	25.32	26.72	0.470	30.00	-3.28
	16-QAM	1745.0	1.40	1 / 0	24.84	26.24	0.421	30.00	-3.76
	64-QAM	1745.0	1.40	1 / 0	23.55	24.95	0.313	30.00	-5.05
256-QAM	1720.0	1.40	1 / 50	20.30	21.70	0.148	30.00	-8.30	


Table 7-3. Antenna 4 EIRP Data (LTE Band 4)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 272 of 351

LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-1.70	1 / 0	25.70	21.85	0.153	34.77	-12.92
		680.5	-1.70	1 / 0	25.70	21.85	0.153	34.77	-12.92
		695.5	-1.70	1 / 0	25.52	21.67	0.147	34.77	-13.10
	16-QAM	680.5	-1.70	1 / 24	25.04	21.19	0.132	34.77	-13.58
	64-QAM	680.5	-1.70	1 / 12	24.02	20.17	0.104	34.77	-14.60
256-QAM	665.5	-1.70	1 / 24	20.76	16.91	0.049	34.77	-17.86	
10 MHz	QPSK	668.0	-1.70	1 / 0	25.47	21.62	0.145	34.77	-13.15
		680.5	-1.70	1 / 25	25.64	21.79	0.151	34.77	-12.98
		693.0	-1.70	1 / 25	25.53	21.68	0.147	34.77	-13.09
	16-QAM	693.0	-1.70	1 / 25	25.01	21.16	0.131	34.77	-13.61
	64-QAM	680.5	-1.70	1 / 25	23.81	19.96	0.099	34.77	-14.81
256-QAM	680.5	-1.70	1 / 0	20.84	16.99	0.050	34.77	-17.78	
15 MHz	QPSK	670.5	-1.70	1 / 0	25.46	21.61	0.145	34.77	-13.16
		680.5	-1.70	1 / 0	25.52	21.67	0.147	34.77	-13.10
		690.5	-1.70	1 / 37	25.31	21.46	0.140	34.77	-13.31
	16-QAM	690.5	-1.70	1 / 0	24.79	20.94	0.124	34.77	-13.83
	64-QAM	670.5	-1.70	1 / 37	23.73	19.88	0.097	34.77	-14.89
256-QAM	680.5	-1.70	1 / 0	20.62	16.77	0.048	34.77	-18.00	
20 MHz	QPSK	673.0	-1.70	1 / 0	25.47	21.62	0.145	34.77	-13.15
		680.5	-1.70	1 / 0	25.18	21.33	0.136	34.77	-13.44
		688.0	-1.70	1 / 0	25.48	21.63	0.146	34.77	-13.14
	16-QAM	680.5	-1.70	1 / 0	25.02	21.17	0.131	34.77	-13.60
	64-QAM	688.0	-1.70	1 / 0	23.95	20.10	0.102	34.77	-14.67
256-QAM	673.0	-1.70	1 / 99	20.63	16.78	0.048	34.77	-17.99	


Table 7-4. Antenna 4 ERP Data (LTE Band 71)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 273 of 351

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-1.10	1 / 0	25.43	22.18	0.165	34.77	-12.59
		707.5	-1.10	1 / 0	25.65	22.40	0.174	34.77	-12.37
		715.3	-1.10	1 / 0	25.70	22.45	0.176	34.77	-12.32
	16-QAM	707.5	-1.10	1 / 3	24.87	21.62	0.145	34.77	-13.15
	64-QAM	715.3	-1.10	1 / 0	23.87	20.62	0.115	34.77	-14.15
	256-QAM	715.3	-1.10	1 / 0	20.80	17.55	0.057	34.77	-17.22
3 MHz	QPSK	700.5	-1.10	1 / 0	25.43	22.18	0.165	34.77	-12.59
		707.5	-1.10	1 / 0	25.57	22.32	0.171	34.77	-12.45
		714.5	-1.10	1 / 0	25.68	22.43	0.175	34.77	-12.34
	16-QAM	714.5	-1.10	1 / 0	25.07	21.82	0.152	34.77	-12.95
	64-QAM	700.5	-1.10	1 / 0	23.89	20.64	0.116	34.77	-14.13
	256-QAM	714.5	-1.10	1 / 0	21.07	17.82	0.061	34.77	-16.95
5 MHz	QPSK	701.5	-1.10	1 / 0	25.70	22.45	0.176	34.77	-12.32
		707.5	-1.10	1 / 0	25.64	22.39	0.173	34.77	-12.38
		713.5	-1.10	1 / 0	25.66	22.41	0.174	34.77	-12.36
	16-QAM	707.5	-1.10	1 / 0	25.10	21.85	0.153	34.77	-12.92
	64-QAM	713.5	-1.10	1 / 0	24.00	20.75	0.119	34.77	-14.02
	256-QAM	713.5	-1.10	1 / 0	20.81	17.56	0.057	34.77	-17.21
10 MHz	QPSK	704.0	-1.10	1 / 49	25.54	22.29	0.169	34.77	-12.48
		707.5	-1.10	1 / 25	25.58	22.33	0.171	34.77	-12.44
		711.0	-1.10	1 / 49	25.68	22.43	0.175	34.77	-12.34
	16-QAM	704.0	-1.10	1 / 25	24.95	21.70	0.148	34.77	-13.07
	64-QAM	704.0	-1.10	1 / 49	23.87	20.62	0.115	34.77	-14.15
	256-QAM	711.0	-1.10	1 / 0	20.84	17.59	0.057	34.77	-17.18


Table 7-5. Antenna 4 ERP Data (LTE Band 12)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 274 of 351

LTE Band 17

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-1.10	1 / 0	25.70	22.45	0.176	34.77	-12.32
		710.0	-1.10	1 / 0	25.64	22.39	0.173	34.77	-12.38
		713.5	-1.10	1 / 0	25.65	22.40	0.174	34.77	-12.37
	16-QAM	710.0	-1.10	1 / 24	24.96	21.71	0.148	34.77	-13.06
	64-QAM	706.5	-1.10	1 / 0	24.09	20.84	0.121	34.77	-13.93
	256-QAM	706.5	-1.10	1 / 24	20.71	17.46	0.056	34.77	-17.31
10 MHz	QPSK	709.0	-1.10	1 / 0	25.38	22.13	0.163	34.77	-12.64
		710.0	-1.10	1 / 0	25.57	22.32	0.171	34.77	-12.45
		711.0	-1.10	1 / 49	25.60	22.35	0.172	34.77	-12.42
	16-QAM	711.0	-1.10	1 / 25	24.99	21.74	0.149	34.77	-13.03
	64-QAM	709.0	-1.10	1 / 0	23.72	20.47	0.111	34.77	-14.30
	256-QAM	709.0	-1.10	1 / 0	20.83	17.58	0.057	34.77	-17.19


Table 7-6. Antenna 4 ERP Data (LTE Band 17)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 275 of 351

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-1.20	1 / 0	25.70	22.35	0.172	34.77	-12.42
		782.0	-1.20	1 / 0	25.69	22.34	0.171	34.77	-12.43
		784.5	-1.20	1 / 0	25.68	22.33	0.171	34.77	-12.44
	16-QAM	782.0	-1.20	1 / 0	25.19	21.84	0.153	34.77	-12.93
	64-QAM	779.5	-1.20	1 / 0	24.07	20.72	0.118	34.77	-14.05
256-QAM	784.5	-1.20	1 / 0	20.82	17.47	0.056	34.77	-17.30	
10 MHz	QPSK	782.0	-1.20	1 / 49	25.51	22.16	0.164	34.77	-12.61
	16-QAM	782.0	-1.20	1 / 49	25.11	21.76	0.150	34.77	-13.01
	64-QAM	782.0	-1.20	1 / 0	23.69	20.34	0.108	34.77	-14.43
	256-QAM	782.0	-1.20	1 / 0	20.86	17.51	0.056	34.77	-17.26

Table 7-7. Antenna 4 ERP Data (LTE Band 13)

FCC ID: BCGA2903		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device		Page 276 of 351

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	1.40	1 / 12	25.56	26.96	0.496	30.00	-3.04
		1745.0	1.40	1 / 1	25.50	26.90	0.490	30.00	-3.10
		1777.5	1.40	1 / 12	25.40	26.80	0.479	30.00	-3.20
	QPSK	1712.5	1.40	1 / 23	25.65	27.05	0.507	30.00	-2.95
		1745.0	1.40	1 / 1	25.57	26.97	0.497	30.00	-3.03
		1777.5	1.40	1 / 23	25.49	26.89	0.488	30.00	-3.11
		16-QAM	1712.5	1.40	1 / 23	24.67	26.07	0.404	30.00
64-QAM	1712.5	1.40	1 / 12	23.17	24.57	0.287	30.00	-5.43	
256-QAM	1712.5	1.40	1 / 12	21.05	22.45	0.176	30.00	-7.55	
10 MHz	π/2 BPSK	1715.0	1.40	1 / 25	25.54	26.94	0.494	30.00	-3.06
		1745.0	1.40	1 / 25	25.46	26.86	0.486	30.00	-3.14
		1775.0	1.40	1 / 25	25.41	26.81	0.480	30.00	-3.19
	QPSK	1715.0	1.40	1 / 25	25.62	27.02	0.504	30.00	-2.98
		1745.0	1.40	1 / 25	25.54	26.94	0.495	30.00	-3.06
		1775.0	1.40	1 / 25	25.47	26.87	0.487	30.00	-3.13
		16-QAM	1775.0	1.40	1 / 1	24.50	25.90	0.389	30.00
64-QAM	1715.0	1.40	1 / 1	23.18	24.58	0.287	30.00	-5.42	
256-QAM	1745.0	1.40	1 / 50	20.97	22.37	0.173	30.00	-7.63	
15 MHz	π/2 BPSK	1717.5	1.40	1 / 1	25.68	27.08	0.511	30.00	-2.92
		1745.0	1.40	1 / 1	25.54	26.94	0.495	30.00	-3.06
		1772.5	1.40	1 / 37	25.53	26.93	0.493	30.00	-3.07
	QPSK	1717.5	1.40	1 / 1	25.70	27.10	0.513	30.00	-2.90
		1745.0	1.40	1 / 77	25.60	27.00	0.501	30.00	-3.00
		1772.5	1.40	1 / 77	25.55	26.95	0.496	30.00	-3.05
		16-QAM	1717.5	1.40	1 / 1	24.81	26.21	0.418	30.00
64-QAM	1717.5	1.40	1 / 77	23.21	24.61	0.289	30.00	-5.39	
256-QAM	1717.5	1.40	1 / 77	21.24	22.64	0.184	30.00	-7.36	
20 MHz	π/2 BPSK	1720.0	1.40	1 / 1	25.70	27.10	0.513	30.00	-2.90
		1745.0	1.40	1 / 1	25.59	26.99	0.500	30.00	-3.01
		1770.0	1.40	1 / 104	25.55	26.95	0.495	30.00	-3.05
	QPSK	1720.0	1.40	1 / 50	25.67	27.07	0.509	30.00	-2.93
		1745.0	1.40	1 / 104	25.59	26.99	0.500	30.00	-3.01
		1770.0	1.40	1 / 50	25.57	26.97	0.498	30.00	-3.03
		16-QAM	1720.0	1.40	1 / 50	24.88	26.28	0.424	30.00
64-QAM	1720.0	1.40	1 / 104	23.22	24.62	0.289	30.00	-5.38	
256-QAM	1720.0	1.40	1 / 50	21.08	22.48	0.177	30.00	-7.52	
25 MHz	π/2 BPSK	1722.5	1.40	1 / 131	25.67	27.07	0.509	30.00	-2.93
		1745.0	1.40	1 / 1	25.64	27.04	0.506	30.00	-2.96
		1767.5	1.40	1 / 131	25.58	26.98	0.499	30.00	-3.02
	QPSK	1722.5	1.40	1 / 1	25.70	27.10	0.513	30.00	-2.90
		1745.0	1.40	1 / 131	25.70	27.10	0.513	30.00	-2.90
		1767.5	1.40	1 / 131	25.61	27.01	0.503	30.00	-2.99
		16-QAM	1767.5	1.40	1 / 131	24.74	26.14	0.411	30.00
64-QAM	1745.0	1.40	1 / 66	23.33	24.73	0.297	30.00	-5.27	
256-QAM	1722.5	1.40	1 / 131	21.27	22.67	0.185	30.00	-7.33	
30 MHz	π/2 BPSK	1725.0	1.40	1 / 158	25.67	27.07	0.509	30.00	-2.93
		1745.0	1.40	1 / 80	25.68	27.08	0.511	30.00	-2.92
		1765.0	1.40	1 / 1	25.55	26.95	0.495	30.00	-3.05
	QPSK	1725.0	1.40	1 / 1	25.70	27.10	0.513	30.00	-2.90
		1745.0	1.40	1 / 80	25.62	27.02	0.504	30.00	-2.98
		1765.0	1.40	1 / 158	25.53	26.93	0.493	30.00	-3.07
		16-QAM	1725.0	1.40	1 / 1	24.77	26.17	0.414	30.00
64-QAM	1745.0	1.40	1 / 1	23.18	24.58	0.287	30.00	-5.42	
256-QAM	1725.0	1.40	1 / 1	21.40	22.80	0.191	30.00	-7.20	
35 MHz	π/2 BPSK	1727.5	1.40	1 / 1	25.70	27.10	0.513	30.00	-2.90
		1745.0	1.40	1 / 1	25.57	26.97	0.497	30.00	-3.03
		1762.5	1.40	1 / 1	25.54	26.94	0.495	30.00	-3.06
	QPSK	1727.5	1.40	1 / 1	25.50	26.90	0.489	30.00	-3.10
		1745.0	1.40	1 / 1	25.60	27.00	0.502	30.00	-3.00
		1762.5	1.40	1 / 90	25.63	27.03	0.505	30.00	-2.97
		16-QAM	1745.0	1.40	1 / 1	24.54	25.94	0.393	30.00
64-QAM	1727.5	1.40	1 / 1	23.25	24.65	0.292	30.00	-5.35	
256-QAM	1727.5	1.40	1 / 1	21.15	22.55	0.180	30.00	-7.45	
40 MHz	π/2 BPSK	1730.0	1.40	1 / 1	25.68	27.08	0.511	30.00	-2.92
		1745.0	1.40	1 / 108	25.63	27.03	0.504	30.00	-2.97
		1760.0	1.40	1 / 1	25.63	27.03	0.505	30.00	-2.97
	QPSK	1730.0	1.40	1 / 108	25.70	27.10	0.513	30.00	-2.90
		1745.0	1.40	1 / 108	25.70	27.10	0.513	30.00	-2.90
		1760.0	1.40	1 / 108	25.67	27.07	0.509	30.00	-2.93
		16-QAM	1760.0	1.40	1 / 1	24.88	26.28	0.425	30.00
64-QAM	1745.0	1.40	1 / 1	23.31	24.71	0.296	30.00	-5.29	
256-QAM	1730.0	1.40	1 / 1	21.38	22.78	0.190	30.00	-7.22	


Table 7-8. Antenna 4 EIRP Data (NR Band n66)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	Page 277 of 351
	EUT Type: Tablet Device	

NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	0.50	1 / 12	25.64	26.14	0.411	30.00	-3.86
		1702.5	0.50	1 / 12	25.59	26.09	0.406	30.00	-3.91
		1707.5	0.50	1 / 12	25.67	26.17	0.414	30.00	-3.83
	QPSK	1697.5	0.50	1 / 1	25.70	26.20	0.417	30.00	-3.80
		1702.5	0.50	1 / 12	25.64	26.14	0.411	30.00	-3.86
		1707.5	0.50	1 / 12	25.70	26.20	0.417	30.00	-3.80
	16-QAM	1702.5	0.50	1 / 23	24.66	25.16	0.328	30.00	-4.84
64-QAM	1697.5	0.50	1 / 23	23.43	23.93	0.247	30.00	-6.07	
256-QAM	1697.5	0.50	1 / 23	21.40	21.90	0.155	30.00	-8.10	
10 MHz	π/2 BPSK	1700.0	0.50	1 / 25	25.58	26.08	0.406	30.00	-3.92
		1702.5	0.50	1 / 48	25.62	26.12	0.409	30.00	-3.88
		1705.0	0.50	1 / 25	25.64	26.14	0.411	30.00	-3.86
	QPSK	1700.0	0.50	1 / 1	25.68	26.18	0.415	30.00	-3.82
		1702.5	0.50	1 / 48	25.70	26.20	0.417	30.00	-3.80
		1705.0	0.50	1 / 48	25.70	26.20	0.417	30.00	-3.80
	16-QAM	1707.5	0.50	1 / 48	24.89	25.39	0.346	30.00	-4.61
64-QAM	1707.5	0.50	1 / 1	23.39	23.89	0.245	30.00	-6.11	
256-QAM	1707.5	0.50	1 / 25	21.26	21.76	0.150	30.00	-8.24	
15 MHz	π/2 BPSK	1702.5	0.50	1 / 1	25.70	26.20	0.417	30.00	-3.80
	QPSK	1702.5	0.50	1 / 37	25.69	26.19	0.416	30.00	-3.81
	16-QAM	1702.5	0.50	1 / 73	24.74	25.24	0.334	30.00	-4.76
	64-QAM	1702.5	0.50	1 / 1	23.47	23.97	0.249	30.00	-6.03
	256-QAM	1702.5	0.50	1 / 1	21.37	21.87	0.154	30.00	-8.13


Table 7-9. Antenna 4 EIRP Data (NR Band n70)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 278 of 351

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-1.70	1 / 12	25.49	21.64	0.146	34.77	-13.13
		680.5	-1.70	1 / 12	25.48	21.63	0.145	34.77	-13.14
		695.5	-1.70	1 / 1	25.33	21.48	0.141	34.77	-13.29
	QPSK	665.5	-1.70	1 / 23	25.49	21.64	0.146	34.77	-13.13
		680.5	-1.70	1 / 12	25.52	21.67	0.147	34.77	-13.10
		695.5	-1.70	1 / 12	25.44	21.59	0.144	34.77	-13.18
	16-QAM	665.5	-1.70	1 / 12	24.71	20.86	0.122	34.77	-13.91
	64-QAM	695.5	-1.70	1 / 1	23.07	19.22	0.084	34.77	-15.55
256-QAM	665.5	-1.70	1 / 23	20.99	17.14	0.052	34.77	-17.63	
10 MHz	π/2 BPSK	668.0	-1.70	1 / 1	25.44	21.59	0.144	34.77	-13.18
		680.5	-1.70	1 / 50	25.45	21.60	0.145	34.77	-13.17
		693.0	-1.70	1 / 1	25.46	21.61	0.145	34.77	-13.16
	QPSK	668.0	-1.70	1 / 25	25.48	21.63	0.146	34.77	-13.14
		680.5	-1.70	1 / 50	25.46	21.61	0.145	34.77	-13.16
		693.0	-1.70	1 / 1	25.48	21.63	0.146	34.77	-13.14
	16-QAM	680.5	-1.70	1 / 50	24.66	20.81	0.121	34.77	-13.96
	64-QAM	668.0	-1.70	1 / 25	23.16	19.31	0.085	34.77	-15.46
256-QAM	668.0	-1.70	1 / 1	20.91	17.06	0.051	34.77	-17.71	
15 MHz	π/2 BPSK	670.5	-1.70	1 / 1	25.62	21.77	0.150	34.77	-13.00
		680.5	-1.70	1 / 77	25.58	21.73	0.149	34.77	-13.04
		690.5	-1.70	1 / 1	25.58	21.73	0.149	34.77	-13.04
	QPSK	670.5	-1.70	1 / 77	25.60	21.75	0.150	34.77	-13.02
		680.5	-1.70	1 / 77	25.61	21.76	0.150	34.77	-13.01
		690.5	-1.70	1 / 1	25.57	21.72	0.149	34.77	-13.05
	16-QAM	690.5	-1.70	1 / 77	24.77	20.92	0.124	34.77	-13.85
	64-QAM	690.5	-1.70	1 / 1	23.31	19.46	0.088	34.77	-15.31
256-QAM	670.5	-1.70	1 / 77	21.09	17.24	0.053	34.77	-17.54	
20 MHz	π/2 BPSK	673.0	-1.70	1 / 1	25.56	21.71	0.148	34.77	-13.06
		680.5	-1.70	1 / 50	25.53	21.68	0.147	34.77	-13.09
		688.0	-1.70	1 / 50	25.60	21.75	0.149	34.77	-13.03
	QPSK	673.0	-1.70	1 / 1	25.63	21.78	0.151	34.77	-12.99
		680.5	-1.70	1 / 50	25.60	21.75	0.149	34.77	-13.03
		688.0	-1.70	1 / 50	25.61	21.76	0.150	34.77	-13.01
	16-QAM	673.0	-1.70	1 / 1	24.94	21.09	0.129	34.77	-13.68
	64-QAM	688.0	-1.70	1 / 50	23.19	19.34	0.086	34.77	-15.43
256-QAM	688.0	-1.70	1 / 50	21.12	17.27	0.053	34.77	-17.50	


Table 7-10. Antenna 4 ERP Data (NR Band n71)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 279 of 351

NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	701.5	-1.10	1 / 12	25.70	22.45	0.176	34.77	-12.33
		707.5	-1.10	1 / 23	25.65	22.40	0.174	34.77	-12.37
		713.5	-1.10	1 / 1	25.66	22.41	0.174	34.77	-12.36
	QPSK	701.5	-1.10	1 / 1	25.70	22.45	0.176	34.77	-12.32
		707.5	-1.10	1 / 1	25.61	22.36	0.172	34.77	-12.41
		713.5	-1.10	1 / 12	25.65	22.40	0.174	34.77	-12.37
	16-QAM	707.5	-1.10	1 / 23	25.01	21.76	0.150	34.77	-13.01
	64-QAM	713.5	-1.10	1 / 1	23.19	19.94	0.099	34.77	-14.83
256-QAM	713.5	-1.10	1 / 12	21.17	17.92	0.062	34.77	-16.86	
10 MHz	π/2 BPSK	704.0	-1.10	1 / 1	25.65	22.40	0.174	34.77	-12.37
		707.5	-1.10	1 / 25	25.68	22.43	0.175	34.77	-12.34
		711.0	-1.10	1 / 1	25.66	22.41	0.174	34.77	-12.37
	QPSK	704.0	-1.10	1 / 1	25.70	22.45	0.176	34.77	-12.32
		707.5	-1.10	1 / 25	25.68	22.43	0.175	34.77	-12.34
		711.0	-1.10	1 / 1	25.64	22.39	0.173	34.77	-12.38
	16-QAM	707.5	-1.10	1 / 25	24.79	21.54	0.142	34.77	-13.24
	64-QAM	704.0	-1.10	1 / 50	23.36	20.11	0.103	34.77	-14.66
256-QAM	711.0	-1.10	1 / 25	21.25	18.00	0.063	34.77	-16.77	
15 MHz	π/2 BPSK	706.5	-1.10	1 / 1	25.64	22.39	0.173	34.77	-12.39
		707.5	-1.10	1 / 1	25.61	22.36	0.172	34.77	-12.42
		708.5	-1.10	1 / 1	25.67	22.42	0.175	34.77	-12.35
	QPSK	706.5	-1.10	1 / 1	25.70	22.45	0.176	34.77	-12.32
		707.5	-1.10	1 / 77	25.66	22.41	0.174	34.77	-12.36
		708.5	-1.10	1 / 1	25.67	22.42	0.174	34.77	-12.35
	16-QAM	707.5	-1.10	1 / 1	24.76	21.51	0.141	34.77	-13.27
	64-QAM	708.5	-1.10	1 / 1	23.29	20.04	0.101	34.77	-14.73
256-QAM	708.5	-1.10	1 / 1	21.36	18.11	0.065	34.77	-16.66	


Table 7-11. Antenna 4 ERP Data (NR Band n12)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 280 of 351

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.58	1.40	26.98	0.499	30.00	-3.02
1732.60	WCDMA1700	25.62	1.40	27.02	0.504	30.00	-2.98
1752.60	WCDMA1700	25.70	1.40	27.10	0.513	30.00	-2.90

Table 7-12. Antenna 4 EIRP Data (WCDMA AWS)


FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 281 of 351

7.6.2 Antenna 3b – ERP

LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-2.80	1 / 0	25.20	20.25	0.106	34.77	-14.52
		680.5	-2.80	1 / 0	25.20	20.25	0.106	34.77	-14.52
		695.5	-2.80	1 / 0	25.16	20.21	0.105	34.77	-14.56
	16-QAM	680.5	-2.80	1 / 0	24.66	19.71	0.094	34.77	-15.06
	64-QAM	680.5	-2.80	1 / 0	23.58	18.63	0.073	34.77	-16.14
256-QAM	665.5	-2.80	1 / 0	20.36	15.41	0.035	34.77	-19.36	
10 MHz	QPSK	668.0	-2.80	1 / 0	25.05	20.10	0.102	34.77	-14.67
		680.5	-2.80	1 / 25	25.20	20.25	0.106	34.77	-14.52
		693.0	-2.80	1 / 25	25.18	20.23	0.105	34.77	-14.54
	16-QAM	693.0	-2.80	1 / 25	24.59	19.64	0.092	34.77	-15.13
	64-QAM	680.5	-2.80	1 / 49	23.44	18.49	0.071	34.77	-16.28
256-QAM	680.5	-2.80	1 / 0	20.50	15.55	0.036	34.77	-19.22	
15 MHz	QPSK	670.5	-2.80	1 / 0	25.02	20.07	0.102	34.77	-14.70
		680.5	-2.80	1 / 37	25.01	20.06	0.101	34.77	-14.71
		690.5	-2.80	1 / 0	24.92	19.97	0.099	34.77	-14.80
	16-QAM	690.5	-2.80	1 / 0	24.44	19.49	0.089	34.77	-15.28
	64-QAM	670.5	-2.80	1 / 0	23.31	18.36	0.069	34.77	-16.41
256-QAM	690.5	-2.80	1 / 0	20.25	15.30	0.034	34.77	-19.47	
20 MHz	QPSK	673.0	-2.80	1 / 0	24.98	20.03	0.101	34.77	-14.74
		680.5	-2.80	1 / 0	24.74	19.79	0.095	34.77	-14.98
		688.0	-2.80	1 / 0	25.12	20.17	0.104	34.77	-14.60
	16-QAM	680.5	-2.80	1 / 0	24.39	19.44	0.088	34.77	-15.33
	64-QAM	688.0	-2.80	1 / 0	23.36	18.41	0.069	34.77	-16.36
256-QAM	680.5	-2.80	1 / 0	20.24	15.29	0.034	34.77	-19.48	


Table 7-13. Antenna 3b ERP Data (LTE Band 71)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 282 of 351

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-1.90	1 / 0	25.05	21.00	0.126	34.77	-13.77
		707.5	-1.90	1 / 0	25.20	21.15	0.130	34.77	-13.62
		715.3	-1.90	1 / 0	25.18	21.13	0.130	34.77	-13.64
	16-QAM	707.5	-1.90	1 / 5	24.43	20.38	0.109	34.77	-14.39
	64-QAM	699.7	-1.90	1 / 5	23.51	19.46	0.088	34.77	-15.31
	256-QAM	699.7	-1.90	1 / 0	20.35	16.30	0.043	34.77	-18.47
3 MHz	QPSK	700.5	-1.90	1 / 0	25.06	21.01	0.126	34.77	-13.76
		707.5	-1.90	1 / 0	25.20	21.15	0.130	34.77	-13.62
		714.5	-1.90	1 / 0	25.14	21.09	0.129	34.77	-13.68
	16-QAM	714.5	-1.90	1 / 0	24.60	20.55	0.114	34.77	-14.22
	64-QAM	700.5	-1.90	1 / 0	23.48	19.43	0.088	34.77	-15.34
	256-QAM	707.5	-1.90	1 / 0	20.43	16.38	0.043	34.77	-18.39
5 MHz	QPSK	701.5	-1.90	1 / 0	25.19	21.14	0.130	34.77	-13.63
		707.5	-1.90	1 / 0	25.20	21.15	0.130	34.77	-13.62
		713.5	-1.90	1 / 0	25.19	21.14	0.130	34.77	-13.63
	16-QAM	707.5	-1.90	1 / 0	24.64	20.59	0.115	34.77	-14.18
	64-QAM	707.5	-1.90	1 / 12	23.54	19.49	0.089	34.77	-15.28
	256-QAM	701.5	-1.90	1 / 0	20.48	16.43	0.044	34.77	-18.34
10 MHz	QPSK	704.0	-1.90	1 / 0	25.13	21.08	0.128	34.77	-13.69
		707.5	-1.90	1 / 25	25.19	21.14	0.130	34.77	-13.63
		711.0	-1.90	1 / 25	25.06	21.01	0.126	34.77	-13.76
	16-QAM	704.0	-1.90	1 / 25	24.55	20.50	0.112	34.77	-14.27
	64-QAM	704.0	-1.90	1 / 0	23.46	19.41	0.087	34.77	-15.36
	256-QAM	711.0	-1.90	1 / 0	20.38	16.33	0.043	34.77	-18.44


Table 7-14. Antenna 3b ERP Data (LTE Band 12)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 283 of 351

LTE Band 17

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-1.90	1 / 0	25.20	21.15	0.130	34.77	-13.62
		710.0	-1.90	1 / 24	25.20	21.15	0.130	34.77	-13.62
		713.5	-1.90	1 / 0	25.17	21.12	0.129	34.77	-13.65
	16-QAM	706.5	-1.90	1 / 0	24.74	20.69	0.117	34.77	-14.08
	64-QAM	713.5	-1.90	1 / 0	23.60	19.55	0.090	34.77	-15.22
	256-QAM	713.5	-1.90	1 / 0	20.44	16.39	0.044	34.77	-18.38
10 MHz	QPSK	709.0	-1.90	1 / 0	25.12	21.07	0.128	34.77	-13.70
		710.0	-1.90	1 / 0	25.20	21.15	0.130	34.77	-13.62
		711.0	-1.90	1 / 25	25.19	21.14	0.130	34.77	-13.63
	16-QAM	711.0	-1.90	1 / 0	24.67	20.62	0.115	34.77	-14.15
	64-QAM	709.0	-1.90	1 / 25	23.58	19.53	0.090	34.77	-15.24
	256-QAM	711.0	-1.90	1 / 0	20.54	16.49	0.045	34.77	-18.28

Table 7-15. Antenna 3b ERP Data (LTE Band 17)


FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 284 of 351

V2.2 09/07/2023

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-2.10	1 / 0	25.20	20.95	0.124	34.77	-13.82
		782.0	-2.10	1 / 0	25.17	20.92	0.124	34.77	-13.85
		784.5	-2.10	1 / 0	25.15	20.90	0.123	34.77	-13.87
	16-QAM	779.5	-2.10	1 / 0	24.60	20.35	0.108	34.77	-14.42
	64-QAM	779.5	-2.10	1 / 0	23.49	19.24	0.084	34.77	-15.53
256-QAM	784.5	-2.10	1 / 0	20.26	16.01	0.040	34.77	-18.76	
10 MHz	QPSK	782.0	-2.10	1 / 25	25.19	20.94	0.124	34.77	-13.83
	16-QAM	782.0	-2.10	1 / 25	24.58	20.33	0.108	34.77	-14.44
	64-QAM	782.0	-2.10	1 / 49	23.30	19.05	0.080	34.77	-15.72
	256-QAM	782.0	-2.10	1 / 0	20.32	16.07	0.040	34.77	-18.70


Table 7-16. Antenna 3b ERP Data (LTE Band 13)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 285 of 351

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-2.80	1 / 12	25.11	20.16	0.104	34.77	-14.61
		680.5	-2.80	1 / 12	25.05	20.10	0.102	34.77	-14.68
		695.5	-2.80	1 / 12	24.90	19.95	0.099	34.77	-14.82
	QPSK	665.5	-2.80	1 / 12	25.15	20.20	0.105	34.77	-14.57
		680.5	-2.80	1 / 23	25.07	20.12	0.103	34.77	-14.65
		695.5	-2.80	1 / 12	24.88	19.93	0.098	34.77	-14.85
	16-QAM	680.5	-2.80	1 / 23	24.11	19.16	0.082	34.77	-15.61
	64-QAM	665.5	-2.80	1 / 23	22.74	17.79	0.060	34.77	-16.98
256-QAM	665.5	-2.80	1 / 1	20.51	15.56	0.036	34.77	-19.21	
10 MHz	π/2 BPSK	668.0	-2.80	1 / 1	25.05	20.10	0.102	34.77	-14.67
		680.5	-2.80	1 / 50	25.04	20.09	0.102	34.77	-14.68
		693.0	-2.80	1 / 1	24.96	20.01	0.100	34.77	-14.76
	QPSK	668.0	-2.80	1 / 1	25.12	20.17	0.104	34.77	-14.61
		680.5	-2.80	1 / 50	25.07	20.12	0.103	34.77	-14.66
		693.0	-2.80	1 / 1	25.02	20.07	0.102	34.77	-14.70
	16-QAM	668.0	-2.80	1 / 1	24.19	19.24	0.084	34.77	-15.54
	64-QAM	680.5	-2.80	1 / 25	22.63	17.68	0.059	34.77	-17.10
256-QAM	668.0	-2.80	1 / 1	20.66	15.71	0.037	34.77	-19.06	
15 MHz	π/2 BPSK	670.5	-2.80	1 / 1	25.20	20.25	0.106	34.77	-14.52
		680.5	-2.80	1 / 1	25.14	20.19	0.104	34.77	-14.59
		690.5	-2.80	1 / 1	25.16	20.21	0.105	34.77	-14.56
	QPSK	670.5	-2.80	1 / 36	25.19	20.24	0.106	34.77	-14.53
		680.5	-2.80	1 / 36	25.20	20.25	0.106	34.77	-14.52
		690.5	-2.80	1 / 1	25.15	20.20	0.105	34.77	-14.57
	16-QAM	670.5	-2.80	1 / 36	24.24	19.29	0.085	34.77	-15.48
	64-QAM	690.5	-2.80	1 / 1	22.77	17.82	0.060	34.77	-16.95
256-QAM	670.5	-2.80	1 / 1	20.78	15.83	0.038	34.77	-18.94	
20 MHz	π/2 BPSK	673.0	-2.80	1 / 1	25.20	20.25	0.106	34.77	-14.52
		680.5	-2.80	1 / 50	25.17	20.22	0.105	34.77	-14.55
		688.0	-2.80	1 / 1	25.05	20.10	0.102	34.77	-14.67
	QPSK	673.0	-2.80	1 / 1	25.19	20.24	0.106	34.77	-14.53
		680.5	-2.80	1 / 50	25.18	20.23	0.105	34.77	-14.55
		688.0	-2.80	1 / 50	25.13	20.18	0.104	34.77	-14.60
	16-QAM	673.0	-2.80	1 / 1	24.26	19.31	0.085	34.77	-15.46
	64-QAM	673.0	-2.80	1 / 1	22.78	17.83	0.061	34.77	-16.94
256-QAM	673.0	-2.80	1 / 1	20.69	15.74	0.037	34.77	-19.03	


Table 7-17. Antenna 3b ERP Data (NR Band n71)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 286 of 351

NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	701.5	-1.90	1 / 1	25.00	20.95	0.124	34.77	-13.82
		707.5	-1.90	1 / 12	24.87	20.82	0.121	34.77	-13.95
		713.5	-1.90	1 / 1	24.91	20.86	0.122	34.77	-13.91
	QPSK	701.5	-1.90	1 / 1	24.96	20.91	0.123	34.77	-13.87
		707.5	-1.90	1 / 23	24.91	20.86	0.122	34.77	-13.92
		713.5	-1.90	1 / 1	24.93	20.88	0.123	34.77	-13.89
	16-QAM	701.5	-1.90	1 / 12	23.97	19.92	0.098	34.77	-14.85
	64-QAM	701.5	-1.90	1 / 23	22.58	18.53	0.071	34.77	-16.24
256-QAM	713.5	-1.90	1 / 12	20.32	16.27	0.042	34.77	-18.50	
10 MHz	π/2 BPSK	704.0	-1.90	1 / 1	24.90	20.85	0.122	34.77	-13.92
		707.5	-1.90	1 / 25	24.87	20.82	0.121	34.77	-13.95
		711.0	-1.90	1 / 25	24.88	20.83	0.121	34.77	-13.94
	QPSK	704.0	-1.90	1 / 1	24.98	20.93	0.124	34.77	-13.84
		707.5	-1.90	1 / 25	24.96	20.91	0.123	34.77	-13.86
		711.0	-1.90	1 / 25	25.00	20.95	0.124	34.77	-13.82
	16-QAM	704.0	-1.90	1 / 25	24.10	20.05	0.101	34.77	-14.72
	64-QAM	707.5	-1.90	1 / 50	22.58	18.53	0.071	34.77	-16.25
256-QAM	707.5	-1.90	1 / 25	20.52	16.47	0.044	34.77	-18.30	
15 MHz	π/2 BPSK	706.5	-1.90	1 / 1	25.06	21.01	0.126	34.77	-13.76
		707.5	-1.90	1 / 36	25.03	20.98	0.125	34.77	-13.80
		708.5	-1.90	1 / 36	24.92	20.87	0.122	34.77	-13.90
	QPSK	706.5	-1.90	1 / 1	24.98	20.93	0.124	34.77	-13.84
		707.5	-1.90	1 / 1	24.99	20.94	0.124	34.77	-13.83
		708.5	-1.90	1 / 1	25.06	21.01	0.126	34.77	-13.76
	16-QAM	707.5	-1.90	1 / 1	24.17	20.12	0.103	34.77	-14.66
	64-QAM	708.5	-1.90	1 / 36	22.57	18.52	0.071	34.77	-16.26
256-QAM	706.5	-1.90	1 / 1	20.57	16.52	0.045	34.77	-18.25	

Table 7-18. Antenna 3b ERP Data (NR Band n12)


FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 287 of 351

7.6.3 Antenna 2b – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.10	1 / 0	25.36	23.26	0.212	30.00	-6.74
		1745.0	-2.10	1 / 0	25.34	23.24	0.211	30.00	-6.76
		1779.3	-2.10	1 / 5	25.34	23.24	0.211	30.00	-6.76
	16-QAM	1745.0	-2.10	1 / 0	24.59	22.49	0.177	30.00	-7.51
	64-QAM	1745.0	-2.10	1 / 0	23.49	21.39	0.138	30.00	-8.61
	256-QAM	1710.7	-2.10	1 / 5	20.42	18.32	0.068	30.00	-11.68
3 MHz	QPSK	1711.5	-2.10	1 / 0	25.28	23.18	0.208	30.00	-6.82
		1745.0	-2.10	1 / 0	25.38	23.28	0.213	30.00	-6.72
		1778.5	-2.10	1 / 0	25.32	23.22	0.210	30.00	-6.78
	16-QAM	1745.0	-2.10	1 / 7	24.70	22.60	0.182	30.00	-7.40
	64-QAM	1711.5	-2.10	1 / 7	23.63	21.53	0.142	30.00	-8.47
	256-QAM	1711.5	-2.10	1 / 0	20.53	18.43	0.070	30.00	-11.57
5 MHz	QPSK	1712.5	-2.10	1 / 0	25.39	23.29	0.213	30.00	-6.71
		1745.0	-2.10	1 / 0	25.43	23.33	0.215	30.00	-6.67
		1777.5	-2.10	1 / 0	25.38	23.28	0.213	30.00	-6.72
	16-QAM	1745.0	-2.10	1 / 0	24.78	22.68	0.185	30.00	-7.32
	64-QAM	1745.0	-2.10	1 / 0	23.82	21.72	0.149	30.00	-8.28
	256-QAM	1745.0	-2.10	1 / 0	20.55	18.45	0.070	30.00	-11.55
10 MHz	QPSK	1715.0	-2.10	1 / 0	25.29	23.19	0.208	30.00	-6.81
		1745.0	-2.10	1 / 0	25.36	23.26	0.212	30.00	-6.74
		1775.0	-2.10	1 / 25	25.24	23.14	0.206	30.00	-6.86
	16-QAM	1775.0	-2.10	1 / 0	24.62	22.52	0.179	30.00	-7.48
	64-QAM	1715.0	-2.10	1 / 0	23.52	21.42	0.139	30.00	-8.58
	256-QAM	1715.0	-2.10	1 / 0	20.54	18.44	0.070	30.00	-11.56
15 MHz	QPSK	1717.5	-2.10	1 / 0	25.38	23.28	0.213	30.00	-6.72
		1745.0	-2.10	1 / 0	25.34	23.24	0.211	30.00	-6.76
		1772.5	-2.10	1 / 0	25.31	23.21	0.209	30.00	-6.79
	16-QAM	1745.0	-2.10	1 / 0	24.56	22.46	0.176	30.00	-7.54
	64-QAM	1717.5	-2.10	1 / 0	23.48	21.38	0.137	30.00	-8.62
	256-QAM	1717.5	-2.10	1 / 74	20.33	18.23	0.067	30.00	-11.77
20 MHz	QPSK	1720.0	-2.10	1 / 0	25.27	23.17	0.207	30.00	-6.83
		1745.0	-2.10	1 / 0	25.37	23.27	0.212	30.00	-6.73
		1770.0	-2.10	1 / 50	25.36	23.26	0.212	30.00	-6.74
	16-QAM	1745.0	-2.10	1 / 0	24.67	22.57	0.181	30.00	-7.43
	64-QAM	1745.0	-2.10	1 / 0	23.51	21.41	0.138	30.00	-8.59
	256-QAM	1770.0	-2.10	1 / 50	20.31	18.21	0.066	30.00	-11.79


Table 7-19. Antenna 2b EIRP Data (LTE Band 66)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 288 of 351

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.10	1 / 0	25.32	23.22	0.210	30.00	-6.78
		1732.5	-2.10	1 / 0	25.42	23.32	0.215	30.00	-6.68
		1754.3	-2.10	1 / 0	25.39	23.29	0.213	30.00	-6.71
	16-QAM	1754.3	-2.10	1 / 0	24.42	22.32	0.171	30.00	-7.68
	64-QAM	1754.3	-2.10	1 / 0	23.44	21.34	0.136	30.00	-8.66
	256-QAM	1710.7	-2.10	1 / 3	20.37	18.27	0.067	30.00	-11.73
3 MHz	QPSK	1711.5	-2.10	1 / 0	25.39	23.29	0.213	30.00	-6.71
		1732.5	-2.10	1 / 0	25.59	23.49	0.223	30.00	-6.51
		1753.5	-2.10	1 / 0	25.46	23.36	0.217	30.00	-6.64
	16-QAM	1711.5	-2.10	1 / 0	24.51	22.41	0.174	30.00	-7.59
	64-QAM	1711.5	-2.10	1 / 14	23.53	21.43	0.139	30.00	-8.57
	256-QAM	1753.5	-2.10	1 / 0	20.38	18.28	0.067	30.00	-11.72
5 MHz	QPSK	1712.5	-2.10	1 / 0	25.30	23.20	0.209	30.00	-6.80
		1732.5	-2.10	1 / 0	25.43	23.33	0.215	30.00	-6.67
		1752.5	-2.10	1 / 0	25.36	23.26	0.212	30.00	-6.74
	16-QAM	1732.5	-2.10	1 / 24	24.56	22.46	0.176	30.00	-7.54
	64-QAM	1752.5	-2.10	1 / 0	23.53	21.43	0.139	30.00	-8.57
	256-QAM	1712.5	-2.10	1 / 0	20.45	18.35	0.068	30.00	-11.65
10 MHz	QPSK	1715.0	-2.10	1 / 0	25.55	23.45	0.221	30.00	-6.55
		1732.5	-2.10	1 / 25	25.36	23.26	0.212	30.00	-6.74
		1750.0	-2.10	1 / 49	25.39	23.29	0.213	30.00	-6.71
	16-QAM	1715.0	-2.10	1 / 0	24.60	22.50	0.178	30.00	-7.50
	64-QAM	1715.0	-2.10	1 / 0	23.40	21.30	0.135	30.00	-8.70
	256-QAM	1732.5	-2.10	1 / 0	20.34	18.24	0.067	30.00	-11.76
15 MHz	QPSK	1717.5	-2.10	1 / 0	25.42	23.32	0.215	30.00	-6.68
		1732.5	-2.10	1 / 0	25.23	23.13	0.206	30.00	-6.87
		1747.5	-2.10	1 / 0	25.36	23.26	0.212	30.00	-6.74
	16-QAM	1747.5	-2.10	1 / 0	24.50	22.40	0.174	30.00	-7.60
	64-QAM	1717.5	-2.10	1 / 74	23.38	21.28	0.134	30.00	-8.72
	256-QAM	1732.5	-2.10	1 / 0	20.27	18.17	0.066	30.00	-11.83
20 MHz	QPSK	1720.0	-2.10	1 / 50	25.45	23.35	0.216	30.00	-6.65
		1732.5	-2.10	1 / 0	25.43	23.33	0.215	30.00	-6.67
		1745.0	-2.10	1 / 0	25.36	23.26	0.212	30.00	-6.74
	16-QAM	1732.5	-2.10	1 / 0	24.46	22.36	0.172	30.00	-7.64
	64-QAM	1720.0	-2.10	1 / 0	23.40	21.30	0.135	30.00	-8.70
	256-QAM	1720.0	-2.10	1 / 0	20.17	18.07	0.064	30.00	-11.93

Table 7-20. Antenna 2b EIRP Data (LTE Band 4)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 289 of 351

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-2.10	1 / 1	25.37	23.27	0.212	30.00	-6.73
		1745.0	-2.10	1 / 1	25.26	23.16	0.207	30.00	-6.84
		1777.5	-2.10	1 / 1	25.33	23.23	0.210	30.00	-6.77
	QPSK	1712.5	-2.10	1 / 1	25.42	23.32	0.215	30.00	-6.68
		1745.0	-2.10	1 / 23	25.34	23.24	0.211	30.00	-6.76
		1777.5	-2.10	1 / 12	25.44	23.34	0.216	30.00	-6.66
	16-QAM	1777.5	-2.10	1 / 12	24.75	22.65	0.184	30.00	-7.35
64-QAM	1777.5	-2.10	1 / 1	23.04	20.94	0.124	30.00	-9.06	
256-QAM	1777.5	-2.10	1 / 12	20.86	18.76	0.075	30.00	-11.24	
10 MHz	π/2 BPSK	1715.0	-2.10	1 / 1	25.31	23.21	0.209	30.00	-6.79
		1745.0	-2.10	1 / 1	25.30	23.20	0.209	30.00	-6.80
		1775.0	-2.10	1 / 1	25.37	23.27	0.212	30.00	-6.73
	QPSK	1715.0	-2.10	1 / 1	25.42	23.32	0.215	30.00	-6.68
		1745.0	-2.10	1 / 1	25.42	23.32	0.215	30.00	-6.68
		1775.0	-2.10	1 / 1	25.42	23.32	0.215	30.00	-6.68
	16-QAM	1745.0	-2.10	1 / 1	24.50	22.40	0.174	30.00	-7.60
64-QAM	1775.0	-2.10	1 / 25	23.09	20.99	0.126	30.00	-9.01	
256-QAM	1715.0	-2.10	1 / 1	20.75	18.65	0.073	30.00	-11.35	
15 MHz	π/2 BPSK	1717.5	-2.10	1 / 1	25.56	23.46	0.222	30.00	-6.54
		1745.0	-2.10	1 / 1	25.45	23.35	0.216	30.00	-6.65
		1772.5	-2.10	1 / 1	25.43	23.33	0.215	30.00	-6.67
	QPSK	1717.5	-2.10	1 / 1	25.55	23.45	0.221	30.00	-6.55
		1745.0	-2.10	1 / 1	25.53	23.43	0.220	30.00	-6.57
		1772.5	-2.10	1 / 1	25.44	23.34	0.216	30.00	-6.66
	16-QAM	1745.0	-2.10	1 / 37	24.68	22.58	0.181	30.00	-7.42
64-QAM	1772.5	-2.10	1 / 37	23.14	21.04	0.127	30.00	-8.96	
256-QAM	1717.5	-2.10	1 / 77	21.10	19.00	0.079	30.00	-11.00	
20 MHz	π/2 BPSK	1720.0	-2.10	1 / 1	25.63	23.53	0.225	30.00	-6.47
		1745.0	-2.10	1 / 1	25.49	23.39	0.218	30.00	-6.61
		1770.0	-2.10	1 / 1	25.38	23.28	0.213	30.00	-6.72
	QPSK	1720.0	-2.10	1 / 1	25.58	23.48	0.223	30.00	-6.52
		1745.0	-2.10	1 / 1	25.47	23.37	0.217	30.00	-6.63
		1770.0	-2.10	1 / 1	25.42	23.32	0.215	30.00	-6.68
	16-QAM	1720.0	-2.10	1 / 1	24.87	22.77	0.189	30.00	-7.23
64-QAM	1720.0	-2.10	1 / 104	23.11	21.01	0.126	30.00	-8.99	
256-QAM	1720.0	-2.10	1 / 1	20.96	18.86	0.077	30.00	-11.14	
25 MHz	π/2 BPSK	1722.5	-2.10	1 / 1	25.57	23.47	0.222	30.00	-6.53
		1745.0	-2.10	1 / 1	25.53	23.43	0.220	30.00	-6.57
		1767.5	-2.10	1 / 1	25.56	23.46	0.222	30.00	-6.54
	QPSK	1722.5	-2.10	1 / 1	25.70	23.60	0.229	30.00	-6.40
		1745.0	-2.10	1 / 1	25.62	23.52	0.225	30.00	-6.48
		1767.5	-2.10	1 / 1	25.58	23.48	0.223	30.00	-6.52
	16-QAM	1767.5	-2.10	1 / 131	24.97	22.87	0.194	30.00	-7.13
64-QAM	1722.5	-2.10	1 / 1	23.25	21.15	0.130	30.00	-8.85	
256-QAM	1745.0	-2.10	1 / 131	21.10	19.00	0.079	30.00	-11.00	
30 MHz	π/2 BPSK	1725.0	-2.10	1 / 1	25.64	23.54	0.226	30.00	-6.46
		1745.0	-2.10	1 / 1	25.47	23.37	0.217	30.00	-6.63
		1765.0	-2.10	1 / 80	25.45	23.35	0.216	30.00	-6.65
	QPSK	1725.0	-2.10	1 / 1	25.45	23.35	0.216	30.00	-6.65
		1745.0	-2.10	1 / 58	25.34	23.24	0.211	30.00	-6.76
		1765.0	-2.10	1 / 80	25.43	23.33	0.215	30.00	-6.67
	16-QAM	1765.0	-2.10	1 / 1	24.55	22.45	0.176	30.00	-7.55
64-QAM	1765.0	-2.10	1 / 58	23.06	20.96	0.125	30.00	-9.04	
256-QAM	1745.0	-2.10	1 / 1	21.22	19.12	0.082	30.00	-10.88	
35 MHz	π/2 BPSK	1727.5	-2.10	1 / 1	25.70	23.60	0.229	30.00	-6.40
		1745.0	-2.10	1 / 1	25.63	23.53	0.226	30.00	-6.47
		1762.5	-2.10	1 / 1	25.55	23.45	0.222	30.00	-6.55
	QPSK	1727.5	-2.10	1 / 1	25.70	23.60	0.229	30.00	-6.40
		1745.0	-2.10	1 / 1	25.55	23.45	0.221	30.00	-6.55
		1762.5	-2.10	1 / 1	25.64	23.54	0.226	30.00	-6.46
	16-QAM	1745.0	-2.10	1 / 90	24.60	22.50	0.178	30.00	-7.50
64-QAM	1727.5	-2.10	1 / 186	23.19	21.09	0.128	30.00	-8.91	
256-QAM	1762.5	-2.10	1 / 1	21.09	18.99	0.079	30.00	-11.01	
40 MHz	π/2 BPSK	1730.0	-2.10	1 / 1	25.41	23.31	0.214	30.00	-6.69
		1745.0	-2.10	1 / 108	25.45	23.35	0.216	30.00	-6.65
		1760.0	-2.10	1 / 1	25.49	23.39	0.218	30.00	-6.61
	QPSK	1730.0	-2.10	1 / 214	25.46	23.36	0.217	30.00	-6.64
		1745.0	-2.10	1 / 214	25.43	23.33	0.215	30.00	-6.67
		1760.0	-2.10	1 / 108	25.54	23.44	0.221	30.00	-6.56
	16-QAM	1730.0	-2.10	1 / 1	24.96	22.86	0.193	30.00	-7.14
64-QAM	1745.0	-2.10	1 / 108	23.15	21.05	0.127	30.00	-8.95	
256-QAM	1760.0	-2.10	1 / 214	21.19	19.09	0.081	30.00	-10.91	


Table 7-21. Antenna 2b EIRP Data (NR Band n66)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 290 of 351

NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-3.40	1 / 1	25.62	22.22	0.167	30.00	-7.78
		1702.5	-3.40	1 / 1	25.70	22.30	0.170	30.00	-7.70
		1707.5	-3.40	1 / 1	25.68	22.28	0.169	30.00	-7.72
	QPSK	1697.5	-3.40	1 / 1	25.70	22.30	0.170	30.00	-7.70
		1702.5	-3.40	1 / 23	25.68	22.28	0.169	30.00	-7.72
		1707.5	-3.40	1 / 23	25.66	22.26	0.168	30.00	-7.74
	16-QAM	1702.5	-3.40	1 / 23	24.99	21.59	0.144	30.00	-8.41
	64-QAM	1697.5	-3.40	1 / 12	23.31	19.91	0.098	30.00	-10.09
256-QAM	1702.5	-3.40	1 / 1	21.24	17.84	0.061	30.00	-12.16	
10 MHz	π/2 BPSK	1700.0	-3.40	1 / 25	25.67	22.27	0.169	30.00	-7.73
		1702.5	-3.40	1 / 1	25.66	22.26	0.168	30.00	-7.74
		1705.0	-3.40	1 / 25	25.64	22.24	0.167	30.00	-7.76
	QPSK	1700.0	-3.40	1 / 25	25.68	22.28	0.169	30.00	-7.72
		1702.5	-3.40	1 / 25	25.68	22.28	0.169	30.00	-7.72
		1705.0	-3.40	1 / 48	25.70	22.30	0.170	30.00	-7.70
	16-QAM	1700.0	-3.40	1 / 25	24.94	21.54	0.143	30.00	-8.46
	64-QAM	1702.5	-3.40	1 / 1	23.31	19.91	0.098	30.00	-10.09
256-QAM	1700.0	-3.40	1 / 25	21.21	17.81	0.060	30.00	-12.19	
15 MHz	π/2 BPSK	1702.5	-3.40	1 / 37	25.70	22.30	0.170	30.00	-7.70
	QPSK	1702.5	-3.40	1 / 1	25.70	22.30	0.170	30.00	-7.70
	16-QAM	1702.5	-3.40	1 / 37	24.82	21.42	0.139	30.00	-8.58
	64-QAM	1702.5	-3.40	1 / 37	23.33	19.93	0.098	30.00	-10.07
	256-QAM	1702.5	-3.40	1 / 1	21.29	17.89	0.062	30.00	-12.11


Table 7-22. Antenna 2b EIRP Data (NR Band n70)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 291 of 351

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.03	-2.10	21.93	0.156	30.00	-8.07
1732.60	WCDMA1700	24.12	-2.10	22.02	0.159	30.00	-7.98
1752.60	WCDMA1700	24.20	-2.10	22.10	0.162	30.00	-7.90

Table 7-23. Antenna 2b EIRP Data (WCDMA AWS)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 292 of 351

7.6.4 Antenna 3a – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-0.30	1 / 0	24.70	24.40	0.275	30.00	-5.60
		1745.0	-0.30	1 / 0	24.64	24.34	0.272	30.00	-5.66
		1779.3	-0.30	1 / 5	24.70	24.40	0.275	30.00	-5.60
	16-QAM	1779.3	-0.30	1 / 0	23.97	23.67	0.233	30.00	-6.33
	64-QAM	1710.7	-0.30	1 / 0	23.02	22.72	0.187	30.00	-7.28
256-QAM	1779.3	-0.30	1 / 0	19.91	19.61	0.091	30.00	-10.39	
3 MHz	QPSK	1711.5	-0.30	1 / 0	24.70	24.40	0.275	30.00	-5.60
		1745.0	-0.30	1 / 0	24.62	24.32	0.270	30.00	-5.68
		1778.5	-0.30	1 / 0	24.51	24.21	0.264	30.00	-5.79
	16-QAM	1711.5	-0.30	1 / 0	24.07	23.77	0.238	30.00	-6.23
	64-QAM	1711.5	-0.30	1 / 0	22.87	22.57	0.181	30.00	-7.43
	256-QAM	1711.5	-0.30	1 / 0	19.92	19.62	0.092	30.00	-10.38
5 MHz	QPSK	1712.5	-0.30	1 / 0	24.70	24.40	0.275	30.00	-5.60
		1745.0	-0.30	1 / 0	24.68	24.38	0.274	30.00	-5.62
		1777.5	-0.30	1 / 0	24.82	24.52	0.283	30.00	-5.48
	16-QAM	1712.5	-0.30	1 / 0	24.23	23.93	0.247	30.00	-6.07
	64-QAM	1745.0	-0.30	1 / 12	22.95	22.65	0.184	30.00	-7.35
	256-QAM	1712.5	-0.30	1 / 0	20.05	19.75	0.094	30.00	-10.25
10 MHz	QPSK	1715.0	-0.30	1 / 0	24.68	24.38	0.274	30.00	-5.62
		1745.0	-0.30	1 / 0	24.63	24.33	0.271	30.00	-5.67
		1775.0	-0.30	1 / 0	24.57	24.27	0.267	30.00	-5.73
	16-QAM	1715.0	-0.30	1 / 0	24.00	23.70	0.234	30.00	-6.30
	64-QAM	1745.0	-0.30	1 / 49	22.91	22.61	0.182	30.00	-7.39
	256-QAM	1715.0	-0.30	1 / 0	20.00	19.70	0.093	30.00	-10.30
15 MHz	QPSK	1717.5	-0.30	1 / 0	24.58	24.28	0.268	30.00	-5.72
		1745.0	-0.30	1 / 0	24.60	24.30	0.269	30.00	-5.70
		1772.5	-0.30	1 / 0	24.30	24.00	0.251	30.00	-6.00
	16-QAM	1717.5	-0.30	1 / 74	23.91	23.61	0.230	30.00	-6.39
	64-QAM	1717.5	-0.30	1 / 0	22.87	22.57	0.181	30.00	-7.43
	256-QAM	1717.5	-0.30	1 / 0	19.90	19.60	0.091	30.00	-10.40
20 MHz	QPSK	1720.0	-0.30	1 / 0	24.62	24.32	0.270	30.00	-5.68
		1745.0	-0.30	1 / 0	24.44	24.14	0.259	30.00	-5.86
		1770.0	-0.30	1 / 0	24.48	24.18	0.262	30.00	-5.82
	16-QAM	1770.0	-0.30	1 / 0	24.09	23.79	0.239	30.00	-6.21
	64-QAM	1720.0	-0.30	1 / 0	23.02	22.72	0.187	30.00	-7.28
	256-QAM	1720.0	-0.30	1 / 0	19.82	19.52	0.090	30.00	-10.48


Table 7-24. Antenna 3a EIRP Data (LTE Band 66)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 293 of 351

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-0.30	1 / 0	24.68	24.38	0.274	30.00	-5.62
		1732.5	-0.30	1 / 0	24.70	24.40	0.275	30.00	-5.60
		1754.3	-0.30	1 / 0	24.54	24.24	0.265	30.00	-5.76
	16-QAM	1710.7	-0.30	1 / 0	24.25	23.95	0.248	30.00	-6.05
	64-QAM	1732.5	-0.30	1 / 0	23.36	23.06	0.202	30.00	-6.94
256-QAM	1710.7	-0.30	1 / 0	20.29	19.99	0.100	30.00	-10.01	
3 MHz	QPSK	1711.5	-0.30	1 / 0	24.62	24.32	0.270	30.00	-5.68
		1732.5	-0.30	1 / 0	24.70	24.40	0.275	30.00	-5.60
		1753.5	-0.30	1 / 0	24.60	24.30	0.269	30.00	-5.70
	16-QAM	1753.5	-0.30	1 / 0	24.23	23.93	0.247	30.00	-6.07
	64-QAM	1732.5	-0.30	1 / 0	23.30	23.00	0.200	30.00	-7.00
256-QAM	1732.5	-0.30	1 / 0	20.24	19.94	0.099	30.00	-10.06	
5 MHz	QPSK	1712.5	-0.30	1 / 0	24.60	24.30	0.269	30.00	-5.70
		1732.5	-0.30	1 / 0	24.70	24.40	0.275	30.00	-5.60
		1752.5	-0.30	1 / 0	24.56	24.26	0.267	30.00	-5.74
	16-QAM	1732.5	-0.30	1 / 24	24.31	24.01	0.252	30.00	-5.99
	64-QAM	1712.5	-0.30	1 / 0	23.45	23.15	0.207	30.00	-6.85
256-QAM	1732.5	-0.30	1 / 0	20.30	20.00	0.100	30.00	-10.00	
10 MHz	QPSK	1715.0	-0.30	1 / 0	24.63	24.33	0.271	30.00	-5.67
		1732.5	-0.30	1 / 0	24.69	24.39	0.275	30.00	-5.61
		1750.0	-0.30	1 / 25	24.57	24.27	0.267	30.00	-5.73
	16-QAM	1715.0	-0.30	1 / 0	24.27	23.97	0.249	30.00	-6.03
	64-QAM	1732.5	-0.30	1 / 0	23.28	22.98	0.199	30.00	-7.02
256-QAM	1732.5	-0.30	1 / 0	20.18	19.88	0.097	30.00	-10.12	
15 MHz	QPSK	1717.5	-0.30	1 / 0	24.40	24.10	0.257	30.00	-5.90
		1732.5	-0.30	1 / 0	24.55	24.25	0.266	30.00	-5.75
		1747.5	-0.30	1 / 0	24.47	24.17	0.261	30.00	-5.83
	16-QAM	1717.5	-0.30	1 / 0	24.27	23.97	0.249	30.00	-6.03
	64-QAM	1732.5	-0.30	1 / 74	23.17	22.87	0.194	30.00	-7.13
256-QAM	1717.5	-0.30	1 / 0	20.16	19.86	0.097	30.00	-10.14	
20 MHz	QPSK	1720.0	-0.30	1 / 99	24.50	24.20	0.263	30.00	-5.80
		1732.5	-0.30	1 / 50	24.70	24.40	0.275	30.00	-5.60
		1745.0	-0.30	1 / 50	24.69	24.39	0.275	30.00	-5.61
	16-QAM	1745.0	-0.30	1 / 50	24.31	24.01	0.252	30.00	-5.99
	64-QAM	1745.0	-0.30	1 / 0	23.31	23.01	0.200	30.00	-6.99
256-QAM	1732.5	-0.30	1 / 0	20.15	19.85	0.097	30.00	-10.15	

Table 7-25. Antenna 3a EIRP Data (LTE Band 4)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 294 of 351



NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1712.5	-0.30	1 / 12	24.62	24.32	0.270	30.00	-5.68
		1745.0	-0.30	1 / 1	24.62	24.32	0.270	30.00	-5.68
		1777.5	-0.30	1 / 23	24.46	24.16	0.260	30.00	-5.84
	QPSK	1712.5	-0.30	1 / 12	24.68	24.38	0.274	30.00	-5.62
		1745.0	-0.30	1 / 12	24.66	24.36	0.273	30.00	-5.64
		1777.5	-0.30	1 / 1	24.54	24.24	0.265	30.00	-5.76
	16-QAM	1745.0	-0.30	1 / 1	23.72	23.42	0.220	30.00	-6.58
64-QAM	1745.0	-0.30	1 / 1	22.20	21.90	0.155	30.00	-8.10	
256-QAM	1745.0	-0.30	1 / 1	20.12	19.82	0.096	30.00	-10.18	
10 MHz	$\pi/2$ BPSK	1715.0	-0.30	1 / 1	24.56	24.26	0.267	30.00	-5.74
		1745.0	-0.30	1 / 1	24.58	24.28	0.268	30.00	-5.72
		1775.0	-0.30	1 / 1	24.53	24.23	0.265	30.00	-5.77
	QPSK	1715.0	-0.30	1 / 1	24.65	24.35	0.273	30.00	-5.65
		1745.0	-0.30	1 / 1	24.66	24.36	0.273	30.00	-5.64
		1775.0	-0.30	1 / 1	24.61	24.31	0.270	30.00	-5.69
	16-QAM	1745.0	-0.30	1 / 25	23.97	23.67	0.233	30.00	-6.33
64-QAM	1745.0	-0.30	1 / 25	22.22	21.92	0.156	30.00	-8.08	
256-QAM	1745.0	-0.30	1 / 1	20.15	19.85	0.097	30.00	-10.15	
15 MHz	$\pi/2$ BPSK	1717.5	-0.30	1 / 1	24.65	24.35	0.272	30.00	-5.65
		1745.0	-0.30	1 / 77	24.68	24.38	0.274	30.00	-5.62
		1772.5	-0.30	1 / 1	24.64	24.34	0.271	30.00	-5.66
	QPSK	1717.5	-0.30	1 / 1	24.67	24.37	0.273	30.00	-5.63
		1745.0	-0.30	1 / 1	24.70	24.40	0.275	30.00	-5.60
		1772.5	-0.30	1 / 1	24.65	24.35	0.272	30.00	-5.65
	16-QAM	1717.5	-0.30	1 / 77	23.82	23.52	0.225	30.00	-6.48
64-QAM	1745.0	-0.30	1 / 37	22.36	22.06	0.161	30.00	-7.94	
256-QAM	1745.0	-0.30	1 / 1	20.18	19.88	0.097	30.00	-10.12	
20 MHz	$\pi/2$ BPSK	1720.0	-0.30	1 / 50	24.68	24.38	0.274	30.00	-5.62
		1745.0	-0.30	1 / 1	24.70	24.40	0.275	30.00	-5.60
		1770.0	-0.30	1 / 1	24.63	24.33	0.271	30.00	-5.67
	QPSK	1720.0	-0.30	1 / 1	24.70	24.40	0.275	30.00	-5.60
		1745.0	-0.30	1 / 104	24.68	24.38	0.274	30.00	-5.62
		1770.0	-0.30	1 / 1	24.62	24.32	0.270	30.00	-5.68
	16-QAM	1745.0	-0.30	1 / 50	23.78	23.48	0.223	30.00	-6.52
64-QAM	1745.0	-0.30	1 / 104	22.34	22.04	0.160	30.00	-7.96	
256-QAM	1745.0	-0.30	1 / 99	20.27	19.97	0.099	30.00	-10.03	
25 MHz	$\pi/2$ BPSK	1722.5	-0.30	1 / 66	24.59	24.29	0.268	30.00	-5.71
		1745.0	-0.30	1 / 1	24.70	24.40	0.275	30.00	-5.60
		1767.5	-0.30	1 / 1	24.61	24.31	0.270	30.00	-5.69
	QPSK	1722.5	-0.30	1 / 1	24.62	24.32	0.271	30.00	-5.68
		1745.0	-0.30	1 / 1	24.62	24.32	0.270	30.00	-5.68
		1767.5	-0.30	1 / 1	24.61	24.31	0.270	30.00	-5.69
	16-QAM	1767.5	-0.30	1 / 1	24.02	23.72	0.236	30.00	-6.28
64-QAM	1722.5	-0.30	1 / 66	22.18	21.88	0.154	30.00	-8.12	
256-QAM	1745.0	-0.30	1 / 99	20.25	19.95	0.099	30.00	-10.05	
30 MHz	$\pi/2$ BPSK	1725.0	-0.30	1 / 80	24.67	24.37	0.273	30.00	-5.63
		1745.0	-0.30	1 / 80	24.57	24.27	0.267	30.00	-5.73
		1765.0	-0.30	1 / 80	24.58	24.28	0.268	30.00	-5.72
	QPSK	1725.0	-0.30	1 / 58	24.68	24.38	0.274	30.00	-5.62
		1745.0	-0.30	1 / 1	24.66	24.36	0.273	30.00	-5.64
		1765.0	-0.30	1 / 1	24.70	24.40	0.275	30.00	-5.60
	16-QAM	1745.0	-0.30	1 / 80	24.01	23.71	0.235	30.00	-6.29
64-QAM	1725.0	-0.30	1 / 80	22.41	22.11	0.163	30.00	-7.89	
256-QAM	1745.0	-0.30	1 / 1	20.39	20.09	0.102	30.00	-9.91	
35 MHz	$\pi/2$ BPSK	1727.5	-0.30	1 / 1	24.57	24.27	0.267	30.00	-5.73
		1745.0	-0.30	1 / 90	24.45	24.15	0.260	30.00	-5.85
		1762.5	-0.30	1 / 90	24.63	24.33	0.271	30.00	-5.67
	QPSK	1727.5	-0.30	1 / 90	24.60	24.30	0.269	30.00	-5.70
		1745.0	-0.30	1 / 90	24.57	24.27	0.267	30.00	-5.73
		1762.5	-0.30	1 / 1	24.70	24.40	0.275	30.00	-5.60
	16-QAM	1762.5	-0.30	1 / 90	23.72	23.42	0.220	30.00	-6.58
64-QAM	1727.5	-0.30	1 / 186	22.39	22.09	0.162	30.00	-7.91	
256-QAM	1727.5	-0.30	1 / 1	20.21	19.91	0.098	30.00	-10.09	
40 MHz	$\pi/2$ BPSK	1730.0	-0.30	1 / 1	24.66	24.36	0.273	30.00	-5.64
		1745.0	-0.30	1 / 1	24.65	24.35	0.272	30.00	-5.65
		1760.0	-0.30	1 / 214	24.68	24.38	0.274	30.00	-5.62
	QPSK	1730.0	-0.30	1 / 214	24.64	24.34	0.272	30.00	-5.66
		1745.0	-0.30	1 / 108	24.70	24.40	0.275	30.00	-5.60
		1760.0	-0.30	1 / 1	24.70	24.40	0.275	30.00	-5.60
	16-QAM	1745.0	-0.30	1 / 214	23.89	23.59	0.229	30.00	-6.41
64-QAM	1760.0	-0.30	1 / 214	22.25	21.95	0.157	30.00	-8.05	
256-QAM	1730.0	-0.30	1 / 1	20.57	20.27	0.106	30.00	-9.73	


Table 7-26. Antenna 3a EIRP Data (NR Band n66)

FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 295 of 351

NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-0.80	1 / 1	24.67	23.87	0.244	30.00	-6.13
		1702.5	-0.80	1 / 1	24.68	23.88	0.244	30.00	-6.12
		1707.5	-0.80	1 / 12	24.69	23.89	0.245	30.00	-6.11
	QPSK	1697.5	-0.80	1 / 1	24.70	23.90	0.245	30.00	-6.10
		1702.5	-0.80	1 / 12	24.70	23.90	0.245	30.00	-6.10
		1707.5	-0.80	1 / 12	24.68	23.88	0.244	30.00	-6.12
	16-QAM	1707.5	-0.80	1 / 12	23.90	23.10	0.204	30.00	-6.90
	64-QAM	1702.5	-0.80	1 / 23	22.40	21.60	0.145	30.00	-8.40
256-QAM	1697.5	-0.80	1 / 12	20.22	19.42	0.087	30.00	-10.58	
10 MHz	π/2 BPSK	1700.0	-0.80	1 / 48	24.67	23.87	0.244	30.00	-6.13
		1702.5	-0.80	1 / 25	24.68	23.88	0.245	30.00	-6.12
		1705.0	-0.80	1 / 25	24.70	23.90	0.245	30.00	-6.10
	QPSK	1700.0	-0.80	1 / 48	24.69	23.89	0.245	30.00	-6.11
		1702.5	-0.80	1 / 25	24.70	23.90	0.245	30.00	-6.10
		1705.0	-0.80	1 / 1	24.69	23.89	0.245	30.00	-6.11
	16-QAM	1702.5	-0.80	1 / 1	24.00	23.20	0.209	30.00	-6.80
	64-QAM	1700.0	-0.80	1 / 1	22.29	21.49	0.141	30.00	-8.51
256-QAM	1705.0	-0.80	1 / 25	20.31	19.51	0.089	30.00	-10.49	
15 MHz	π/2 BPSK	1702.5	-0.80	1 / 1	24.68	23.88	0.244	30.00	-6.12
	QPSK	1702.5	-0.80	1 / 1	24.70	23.90	0.245	30.00	-6.10
	16-QAM	1702.5	-0.80	1 / 37	23.84	23.04	0.201	30.00	-6.96
	64-QAM	1702.5	-0.80	1 / 37	22.29	21.49	0.141	30.00	-8.51
	256-QAM	1702.5	-0.80	1 / 37	20.22	19.42	0.087	30.00	-10.58


Table 7-27. Antenna 3a EIRP Data (NR Band n70)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 296 of 351

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.61	-0.30	24.31	0.270	30.00	-5.69
1732.60	WCDMA1700	24.70	-0.30	24.40	0.275	30.00	-5.60
1752.60	WCDMA1700	24.59	-0.30	24.29	0.269	30.00	-5.71

Table 7-28. Antenna 3a EIRP Data (WCDMA AWS)


FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 297 of 351

7.6.5 Antenna 1b – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.40	1 / 0	24.66	22.26	0.168	30.00	-7.74
		1745.0	-2.40	1 / 0	24.58	22.18	0.165	30.00	-7.82
		1779.3	-2.40	1 / 0	24.70	22.30	0.170	30.00	-7.70
	16-QAM	1745.0	-2.40	1 / 0	23.94	21.54	0.143	30.00	-8.46
	64-QAM	1779.3	-2.40	1 / 3	23.97	21.57	0.144	30.00	-8.43
256-QAM	1779.3	-2.40	1 / 3	23.98	21.58	0.144	30.00	-8.42	
3 MHz	QPSK	1711.5	-2.40	1 / 0	24.70	22.30	0.170	30.00	-7.70
		1745.0	-2.40	1 / 0	24.57	22.17	0.165	30.00	-7.83
		1778.5	-2.40	1 / 0	24.54	22.14	0.164	30.00	-7.86
	16-QAM	1711.5	-2.40	1 / 0	24.00	21.60	0.145	30.00	-8.40
	64-QAM	1745.0	-2.40	1 / 0	23.96	21.56	0.143	30.00	-8.44
256-QAM	1745.0	-2.40	1 / 0	23.98	21.58	0.144	30.00	-8.42	
5 MHz	QPSK	1712.5	-2.40	1 / 0	24.68	22.28	0.169	30.00	-7.72
		1745.0	-2.40	1 / 0	24.62	22.22	0.167	30.00	-7.78
		1777.5	-2.40	1 / 0	24.67	22.27	0.169	30.00	-7.73
	16-QAM	1745.0	-2.40	1 / 0	24.07	21.67	0.147	30.00	-8.33
	64-QAM	1745.0	-2.40	1 / 0	24.07	21.67	0.147	30.00	-8.33
256-QAM	1745.0	-2.40	1 / 12	24.07	21.67	0.147	30.00	-8.33	
10 MHz	QPSK	1715.0	-2.40	1 / 0	24.70	22.30	0.170	30.00	-7.70
		1745.0	-2.40	1 / 25	24.61	22.21	0.166	30.00	-7.79
		1775.0	-2.40	1 / 0	24.64	22.24	0.167	30.00	-7.76
	16-QAM	1745.0	-2.40	1 / 25	24.02	21.62	0.145	30.00	-8.38
	64-QAM	1745.0	-2.40	1 / 0	24.06	21.66	0.147	30.00	-8.34
256-QAM	1745.0	-2.40	1 / 25	23.97	21.57	0.144	30.00	-8.43	
15 MHz	QPSK	1717.5	-2.40	1 / 0	24.48	22.08	0.161	30.00	-7.92
		1745.0	-2.40	1 / 0	24.51	22.11	0.163	30.00	-7.89
		1772.5	-2.40	1 / 0	24.39	21.99	0.158	30.00	-8.01
	16-QAM	1717.5	-2.40	1 / 37	23.97	21.57	0.144	30.00	-8.43
	64-QAM	1717.5	-2.40	1 / 0	24.05	21.65	0.146	30.00	-8.35
256-QAM	1717.5	-2.40	1 / 74	24.11	21.71	0.148	30.00	-8.29	
20 MHz	QPSK	1720.0	-2.40	1 / 0	24.43	22.03	0.160	30.00	-7.97
		1745.0	-2.40	1 / 0	24.37	21.97	0.157	30.00	-8.03
		1770.0	-2.40	1 / 0	24.45	22.05	0.160	30.00	-7.95
	16-QAM	1770.0	-2.40	1 / 0	24.01	21.61	0.145	30.00	-8.39
	64-QAM	1770.0	-2.40	1 / 50	23.82	21.42	0.139	30.00	-8.58
256-QAM	1745.0	-2.40	1 / 50	23.92	21.52	0.142	30.00	-8.48	


Table 7-29. Antenna 1b EIRP Data (LTE Band 66)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 298 of 351

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.40	1 / 5	24.65	22.25	0.168	30.00	-7.75
		1732.5	-2.40	1 / 0	24.63	22.23	0.167	30.00	-7.77
		1754.3	-2.40	1 / 0	24.62	22.22	0.167	30.00	-7.78
	16-QAM	1732.5	-2.40	1 / 3	23.99	21.59	0.144	30.00	-8.41
	64-QAM	1732.5	-2.40	1 / 5	24.02	21.62	0.145	30.00	-8.38
256-QAM	1732.5	-2.40	1 / 5	24.01	21.61	0.145	30.00	-8.39	
3 MHz	QPSK	1711.5	-2.40	1 / 0	24.70	22.30	0.170	30.00	-7.70
		1732.5	-2.40	1 / 0	24.67	22.27	0.169	30.00	-7.73
		1753.5	-2.40	1 / 0	24.43	22.03	0.160	30.00	-7.97
	16-QAM	1732.5	-2.40	1 / 0	23.95	21.55	0.143	30.00	-8.45
	64-QAM	1732.5	-2.40	1 / 0	24.03	21.63	0.146	30.00	-8.37
256-QAM	1732.5	-2.40	1 / 0	24.07	21.67	0.147	30.00	-8.33	
5 MHz	QPSK	1712.5	-2.40	1 / 0	24.70	22.30	0.170	30.00	-7.70
		1732.5	-2.40	1 / 0	24.68	22.28	0.169	30.00	-7.72
		1752.5	-2.40	1 / 0	24.64	22.24	0.167	30.00	-7.76
	16-QAM	1732.5	-2.40	1 / 0	24.22	21.82	0.152	30.00	-8.18
	64-QAM	1732.5	-2.40	1 / 0	24.21	21.81	0.152	30.00	-8.19
256-QAM	1732.5	-2.40	1 / 0	24.17	21.77	0.150	30.00	-8.23	
10 MHz	QPSK	1715.0	-2.40	1 / 0	24.70	22.30	0.170	30.00	-7.70
		1732.5	-2.40	1 / 0	24.70	22.30	0.170	30.00	-7.70
		1750.0	-2.40	1 / 0	24.45	22.05	0.160	30.00	-7.95
	16-QAM	1732.5	-2.40	1 / 0	24.02	21.62	0.145	30.00	-8.38
	64-QAM	1732.5	-2.40	1 / 0	23.98	21.58	0.144	30.00	-8.42
256-QAM	1732.5	-2.40	1 / 49	23.97	21.57	0.144	30.00	-8.43	
15 MHz	QPSK	1717.5	-2.40	1 / 0	24.46	22.06	0.161	30.00	-7.94
		1732.5	-2.40	1 / 0	24.65	22.25	0.168	30.00	-7.75
		1747.5	-2.40	1 / 0	24.36	21.96	0.157	30.00	-8.04
	16-QAM	1717.5	-2.40	1 / 0	24.04	21.64	0.146	30.00	-8.36
	64-QAM	1717.5	-2.40	1 / 0	23.90	21.50	0.141	30.00	-8.50
256-QAM	1717.5	-2.40	1 / 0	23.99	21.59	0.144	30.00	-8.41	
20 MHz	QPSK	1720.0	-2.40	1 / 0	24.47	22.07	0.161	30.00	-7.93
		1732.5	-2.40	1 / 0	24.50	22.10	0.162	30.00	-7.90
		1745.0	-2.40	1 / 50	24.48	22.08	0.161	30.00	-7.92
	16-QAM	1745.0	-2.40	1 / 0	24.09	21.69	0.148	30.00	-8.31
	64-QAM	1745.0	-2.40	1 / 0	23.93	21.53	0.142	30.00	-8.47
256-QAM	1745.0	-2.40	1 / 0	24.05	21.65	0.146	30.00	-8.35	

Table 7-30. Antenna 1b EIRP Data (LTE Band 4)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 299 of 351



NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-2.40	1 / 1	24.36	21.96	0.157	30.00	-8.04
		1745.0	-2.40	1 / 1	24.45	22.05	0.160	30.00	-7.95
		1777.5	-2.40	1 / 23	24.20	21.80	0.151	30.00	-8.20
	QPSK	1712.5	-2.40	1 / 12	24.43	22.03	0.160	30.00	-7.97
		1745.0	-2.40	1 / 1	24.54	22.14	0.164	30.00	-7.86
		1777.5	-2.40	1 / 1	24.30	21.90	0.155	30.00	-8.10
	16-QAM	1745.0	-2.40	1 / 23	23.71	21.31	0.135	30.00	-8.69
	64-QAM	1712.5	-2.40	1 / 1	22.08	19.68	0.093	30.00	-10.32
256-QAM	1777.5	-2.40	1 / 23	19.94	17.54	0.057	30.00	-12.46	
10 MHz	π/2 BPSK	1715.0	-2.40	1 / 1	24.38	21.98	0.158	30.00	-8.02
		1745.0	-2.40	1 / 1	24.50	22.10	0.162	30.00	-7.90
		1775.0	-2.40	1 / 25	24.24	21.84	0.153	30.00	-8.16
	QPSK	1715.0	-2.40	1 / 25	24.53	22.13	0.163	30.00	-7.87
		1745.0	-2.40	1 / 1	24.56	22.16	0.164	30.00	-7.84
		1775.0	-2.40	1 / 25	24.33	21.93	0.156	30.00	-8.07
	16-QAM	1745.0	-2.40	1 / 25	23.65	21.25	0.133	30.00	-8.75
	64-QAM	1715.0	-2.40	1 / 1	22.10	19.70	0.093	30.00	-10.30
256-QAM	1745.0	-2.40	1 / 50	19.95	17.55	0.057	30.00	-12.45	
15 MHz	π/2 BPSK	1717.5	-2.40	1 / 1	24.66	22.26	0.168	30.00	-7.74
		1745.0	-2.40	1 / 77	24.62	22.22	0.167	30.00	-7.78
		1772.5	-2.40	1 / 77	24.52	22.12	0.163	30.00	-7.88
	QPSK	1717.5	-2.40	1 / 1	24.66	22.26	0.168	30.00	-7.74
		1745.0	-2.40	1 / 1	24.70	22.30	0.170	30.00	-7.70
		1772.5	-2.40	1 / 1	24.57	22.17	0.165	30.00	-7.83
	16-QAM	1717.5	-2.40	1 / 1	23.77	21.37	0.137	30.00	-8.63
	64-QAM	1745.0	-2.40	1 / 37	22.26	19.86	0.097	30.00	-10.14
256-QAM	1717.5	-2.40	1 / 1	20.12	17.72	0.059	30.00	-12.28	
20 MHz	π/2 BPSK	1720.0	-2.40	1 / 1	24.60	22.20	0.166	30.00	-7.80
		1745.0	-2.40	1 / 1	24.61	22.21	0.166	30.00	-7.79
		1770.0	-2.40	1 / 1	24.51	22.11	0.163	30.00	-7.89
	QPSK	1720.0	-2.40	1 / 1	24.63	22.23	0.167	30.00	-7.77
		1745.0	-2.40	1 / 1	24.64	22.24	0.167	30.00	-7.76
		1770.0	-2.40	1 / 1	24.50	22.10	0.162	30.00	-7.90
	16-QAM	1720.0	-2.40	1 / 50	23.68	21.28	0.134	30.00	-8.72
	64-QAM	1745.0	-2.40	1 / 1	22.24	19.84	0.096	30.00	-10.16
256-QAM	1720.0	-2.40	1 / 104	20.34	17.94	0.062	30.00	-12.06	
25 MHz	π/2 BPSK	1722.5	-2.40	1 / 131	24.67	22.27	0.169	30.00	-7.73
		1745.0	-2.40	1 / 1	24.68	22.28	0.169	30.00	-7.72
		1767.5	-2.40	1 / 1	24.64	22.24	0.168	30.00	-7.76
	QPSK	1722.5	-2.40	1 / 131	24.70	22.30	0.170	30.00	-7.70
		1745.0	-2.40	1 / 1	24.65	22.25	0.168	30.00	-7.75
		1767.5	-2.40	1 / 1	24.70	22.30	0.170	30.00	-7.70
	16-QAM	1722.5	-2.40	1 / 1	23.73	21.33	0.136	30.00	-8.67
	64-QAM	1745.0	-2.40	1 / 1	22.29	19.89	0.097	30.00	-10.11
256-QAM	1722.5	-2.40	1 / 131	20.13	17.73	0.059	30.00	-12.27	
30 MHz	π/2 BPSK	1725.0	-2.40	1 / 158	24.56	22.16	0.164	30.00	-7.84
		1745.0	-2.40	1 / 158	24.47	22.07	0.161	30.00	-7.93
		1765.0	-2.40	1 / 80	24.56	22.16	0.165	30.00	-7.84
	QPSK	1725.0	-2.40	1 / 80	24.56	22.16	0.164	30.00	-7.84
		1745.0	-2.40	1 / 80	24.56	22.16	0.164	30.00	-7.84
		1765.0	-2.40	1 / 1	24.45	22.05	0.160	30.00	-7.95
	16-QAM	1745.0	-2.40	1 / 80	23.73	21.33	0.136	30.00	-8.67
	64-QAM	1725.0	-2.40	1 / 158	22.26	19.86	0.097	30.00	-10.14
256-QAM	1765.0	-2.40	1 / 1	20.19	17.79	0.060	30.00	-12.21	
35 MHz	π/2 BPSK	1727.5	-2.40	1 / 1	24.52	22.12	0.163	30.00	-7.88
		1745.0	-2.40	1 / 90	24.66	22.26	0.168	30.00	-7.74
		1762.5	-2.40	1 / 1	24.68	22.28	0.169	30.00	-7.72
	QPSK	1727.5	-2.40	1 / 1	24.70	22.30	0.170	30.00	-7.70
		1745.0	-2.40	1 / 1	24.64	22.24	0.168	30.00	-7.76
		1762.5	-2.40	1 / 1	24.65	22.25	0.168	30.00	-7.75
	16-QAM	1727.5	-2.40	1 / 1	23.67	21.27	0.134	30.00	-8.73
	64-QAM	1745.0	-2.40	1 / 1	22.33	19.93	0.098	30.00	-10.07
256-QAM	1762.5	-2.40	1 / 1	20.44	18.04	0.064	30.00	-11.96	
40 MHz	π/2 BPSK	1730.0	-2.40	1 / 108	24.61	22.21	0.166	30.00	-7.79
		1745.0	-2.40	1 / 1	24.46	22.06	0.161	30.00	-7.94
		1760.0	-2.40	1 / 1	24.48	22.08	0.162	30.00	-7.92
	QPSK	1730.0	-2.40	1 / 214	24.49	22.09	0.162	30.00	-7.91
		1745.0	-2.40	1 / 214	24.58	22.18	0.165	30.00	-7.82
		1760.0	-2.40	1 / 1	24.64	22.24	0.168	30.00	-7.76
	16-QAM	1745.0	-2.40	1 / 108	23.84	21.44	0.139	30.00	-8.56
	64-QAM	1730.0	-2.40	1 / 214	22.15	19.75	0.094	30.00	-10.25
256-QAM	1760.0	-2.40	1 / 1	20.23	17.83	0.061	30.00	-12.17	

Table 7-31. Antenna 1b EIRP Data (NR Band n66)


FCC ID: BCGA2903	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device
		Page 300 of 351

V2.2 09/07/2023

NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-3.10	1 / 12	24.61	21.51	0.142	30.00	-8.49
		1702.5	-3.10	1 / 1	24.59	21.49	0.141	30.00	-8.51
		1707.5	-3.10	1 / 1	24.57	21.47	0.140	30.00	-8.53
	QPSK	1697.5	-3.10	1 / 1	24.66	21.56	0.143	30.00	-8.44
		1702.5	-3.10	1 / 23	24.63	21.53	0.142	30.00	-8.47
		1707.5	-3.10	1 / 1	24.64	21.54	0.143	30.00	-8.46
	16-QAM	1702.5	-3.10	1 / 12	23.76	20.66	0.116	30.00	-9.34
	64-QAM	1702.5	-3.10	1 / 12	22.28	19.18	0.083	30.00	-10.82
256-QAM	1702.5	-3.10	1 / 23	20.03	16.93	0.049	30.00	-13.07	
10 MHz	π/2 BPSK	1700.0	-3.10	1 / 1	24.53	21.43	0.139	30.00	-8.57
		1702.5	-3.10	1 / 25	24.54	21.44	0.139	30.00	-8.56
		1705.0	-3.10	1 / 25	24.54	21.44	0.139	30.00	-8.56
	QPSK	1700.0	-3.10	1 / 48	24.59	21.49	0.141	30.00	-8.51
		1702.5	-3.10	1 / 48	24.63	21.53	0.142	30.00	-8.47
		1705.0	-3.10	1 / 25	24.65	21.55	0.143	30.00	-8.45
	16-QAM	1705.0	-3.10	1 / 25	23.72	20.62	0.115	30.00	-9.38
	64-QAM	1705.0	-3.10	1 / 48	22.23	19.13	0.082	30.00	-10.87
256-QAM	1702.5	-3.10	1 / 48	20.03	16.93	0.049	30.00	-13.07	
15 MHz	π/2 BPSK	1702.5	-3.10	1 / 1	24.70	21.60	0.145	30.00	-8.40
	QPSK	1702.5	-3.10	1 / 1	24.70	21.60	0.145	30.00	-8.40
	16-QAM	1702.5	-3.10	1 / 37	23.67	20.57	0.114	30.00	-9.43
	64-QAM	1702.5	-3.10	1 / 1	22.34	19.24	0.084	30.00	-10.76
	256-QAM	1702.5	-3.10	1 / 37	20.15	17.05	0.051	30.00	-12.95


Table 7-32. Antenna 1b EIRP Data (NR Band n70)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 301 of 351

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	23.70	-2.40	21.30	0.135	30.00	-8.70
1732.60	WCDMA1700	23.68	-2.40	21.28	0.134	30.00	-8.72
1752.60	WCDMA1700	23.67	-2.40	21.27	0.134	30.00	-8.73

Table 7-33. Antenna 1b EIRP Data (WCDMA AWS)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 302 of 351

7.7 Radiated Spurious Emissions

§2.1053, §27.53(f)

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

ANSI C63.26 2015, TIA-603-E-2016 – Section 2.2.12

Test Settings

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

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 303 of 351

V2.2 09/07/2023

Test Setup

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

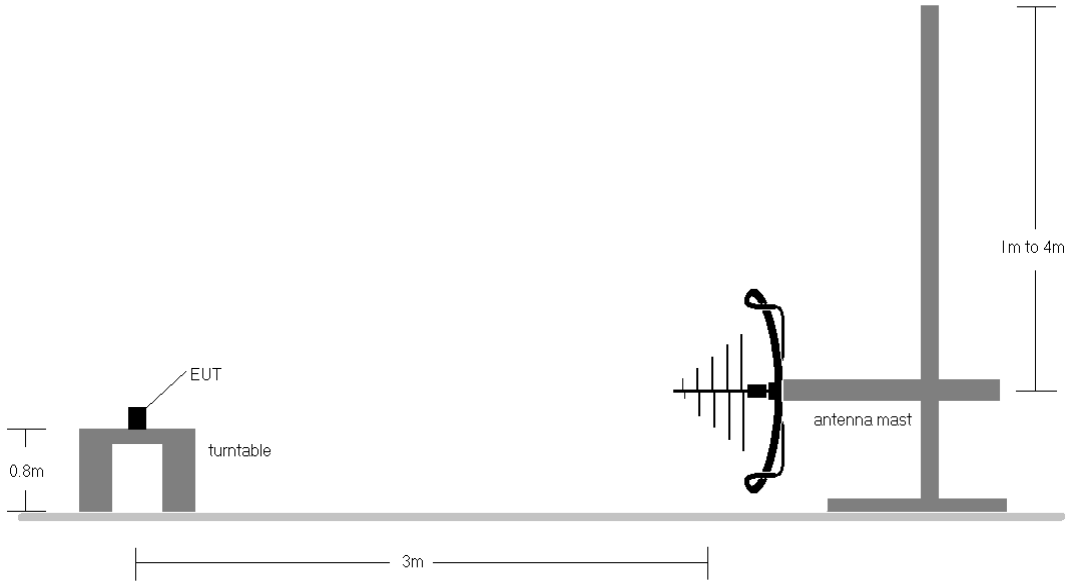


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

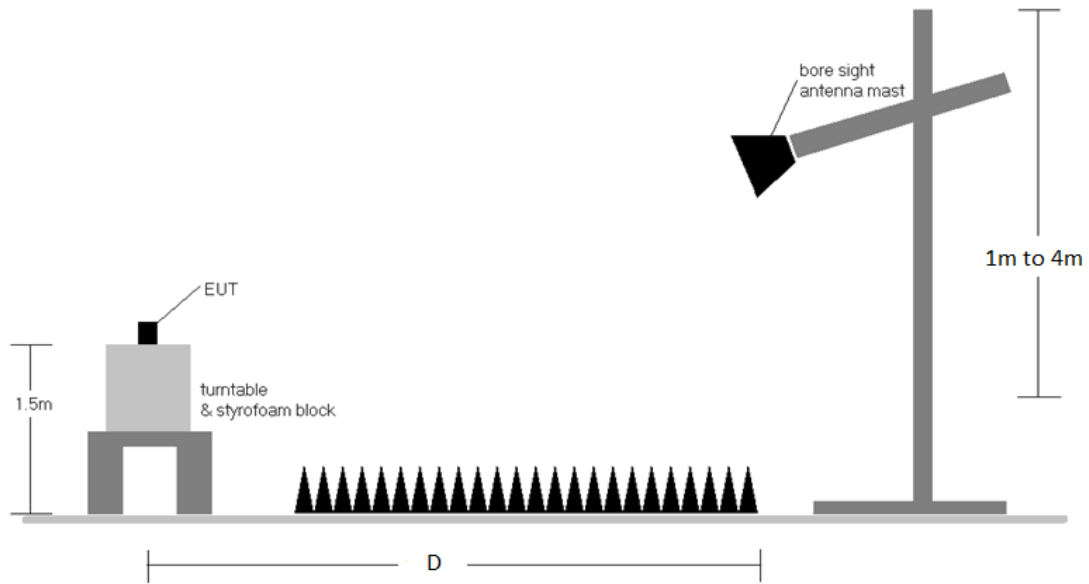




Figure 7-7. Test Instrument & Measurement Setup > 1GHz

<p>FCC ID: BCGA2903</p>	<p> PART 27 MEASUREMENT REPORT</p>		<p>Approved by: Technical Manager</p>
<p>Test Report S/N: 1C2311270064-09.BCG</p>	<p>Test Dates: 10/1/2023 - 3/19/2024</p>	<p>EUT Type: Tablet Device</p>	<p>Page 304 of 351</p>

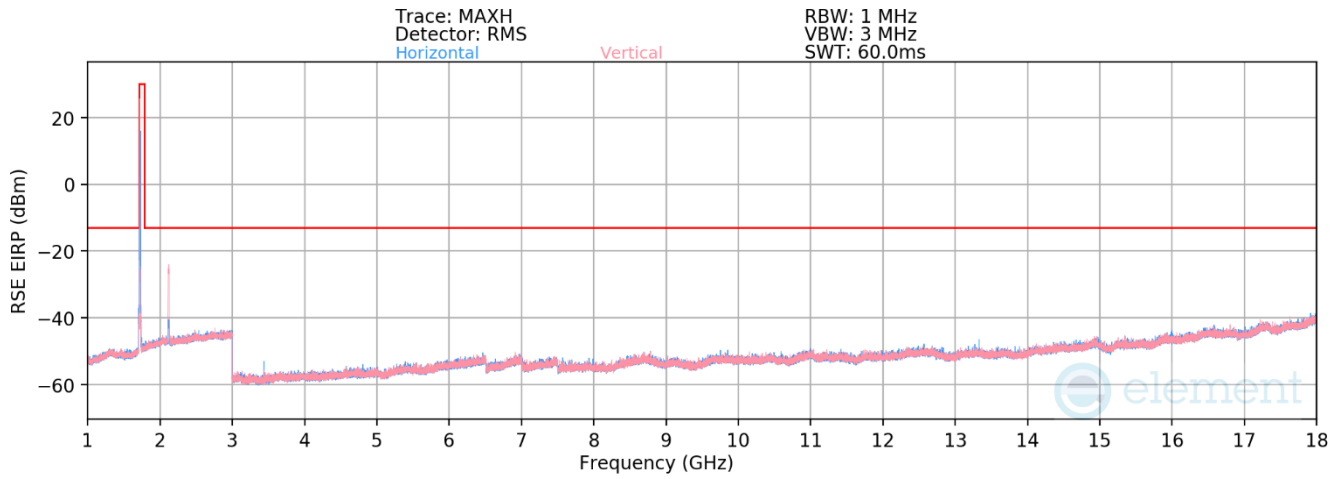
Test Notes

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. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters 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.
9. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".


FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 305 of 351

7.7.1 Antenna 4 – Radiated Spurious Emission Measurement

LTE Band 66/4



Plot 7-478. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 66/4)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 306 of 351

V2.2 09/07/2023

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50

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]	Limit [dBm]	Margin [dB]
3440.0	V	346	221	-71.00	2.32	38.32	-56.93	-13.00	-43.93
5160.0	V	-	-	-79.53	5.33	32.80	-62.45	-13.00	-49.45
6880.0	V	-	-	-79.51	8.36	35.85	-59.41	-13.00	-46.41
8600.0	V	-	-	-80.00	8.57	35.57	-59.69	-13.00	-46.69

Table 7-34. Antenna 4 Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50


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]	Limit [dBm]	Margin [dB]
3490.0	V	340	222	-73.94	2.37	35.42	-59.84	-13.00	-46.84
5235.0	V	-	-	-79.10	5.31	33.21	-62.05	-13.00	-49.05
6980.0	V	-	-	-79.65	8.23	35.59	-59.67	-13.00	-46.67
8725.0	V	-	-	-80.20	9.33	36.14	-59.12	-13.00	-46.12

Table 7-35. Antenna 4 Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

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]	Limit [dBm]	Margin [dB]
3540.0	V	304	219	-75.34	2.62	34.28	-60.98	-13.00	-47.98
5310.0	V	-	-	-79.30	5.86	33.57	-61.69	-13.00	-48.69
7080.0	V	-	-	-79.75	8.27	35.53	-59.73	-13.00	-46.73
8850.0	V	-	-	-80.79	9.64	35.85	-59.41	-13.00	-46.41

Table 7-36. Antenna 4 Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2903	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270064-09.BCG	Test Dates: 10/1/2023 - 3/19/2024	EUT Type: Tablet Device	Page 307 of 351