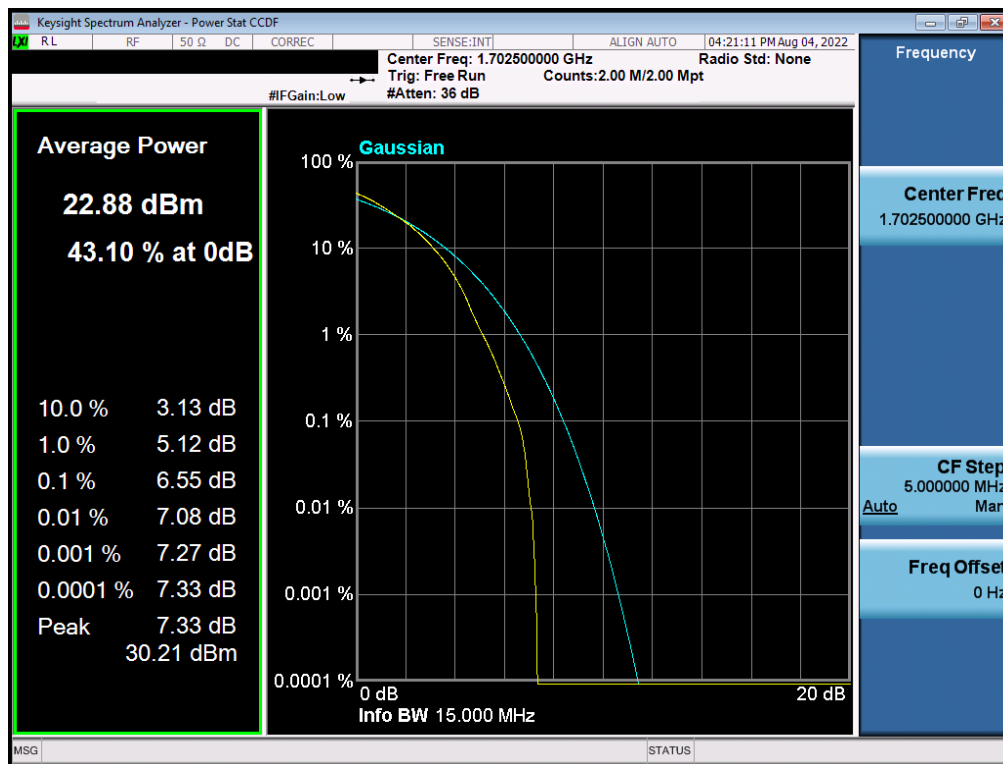
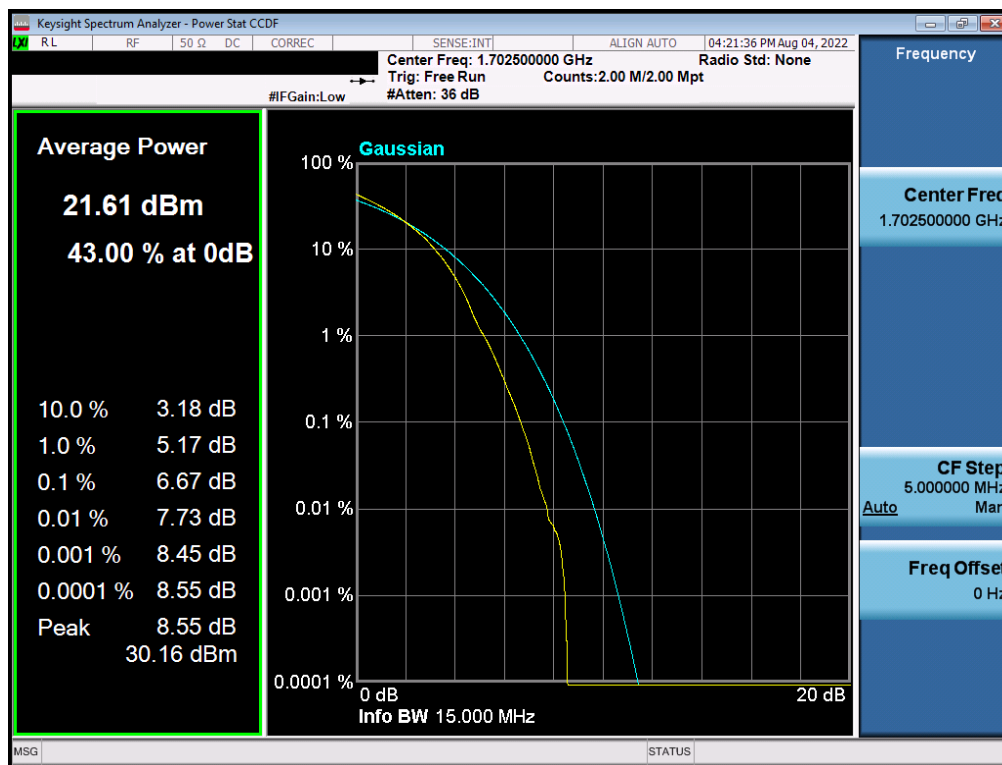


Plot 7-441. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)



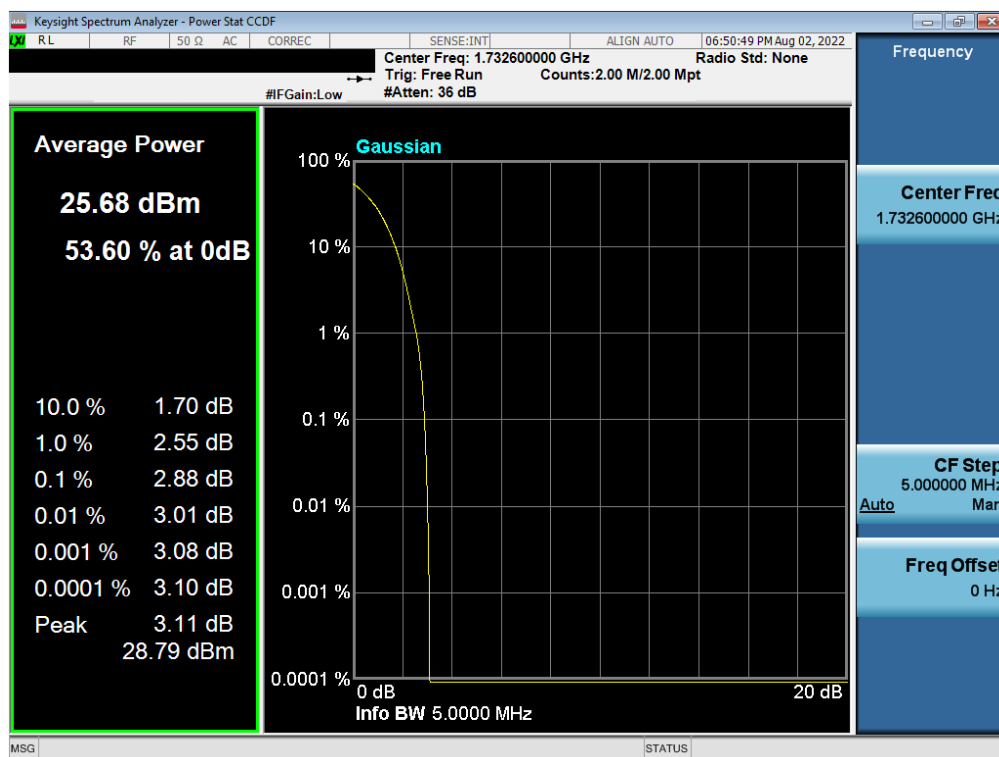
Plot 7-442. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2764	<p>element PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 249 of 334




Plot 7-443. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2764	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 250 of 334



Plot 7-444. PAR Plot (WCDMA, Ch. 1413)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 251 of 334

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:

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

Where:

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

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

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

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

Test Setup

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

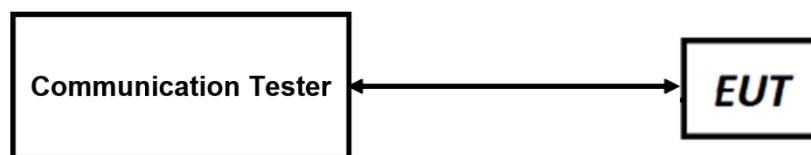




Figure 7-5. ERP/EIRP Measurement Setup

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 252 of 334

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: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 253 of 334

7.6.1 Antenna 4b – 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	-4.40	1 / 5	24.61	20.21	0.105	30.00	-9.79
		1745.0	-4.40	1 / 3	24.65	20.25	0.106	30.00	-9.75
		1779.3	-4.40	1 / 3	24.70	20.30	0.107	30.00	-9.70
	16-QAM	1779.3	-4.40	1 / 5	23.82	19.42	0.087	30.00	-10.58
	64-QAM	1779.3	-4.40	1 / 3	23.06	18.66	0.073	30.00	-11.34
	256-QAM	1710.7	-4.40	1 / 0	20.69	16.29	0.043	30.00	-13.71
3 MHz	QPSK	1711.5	-4.40	1 / 0	24.66	20.26	0.106	30.00	-9.74
		1745.0	-4.40	1 / 7	24.70	20.30	0.107	30.00	-9.70
		1778.5	-4.40	1 / 0	24.65	20.25	0.106	30.00	-9.75
	16-QAM	1711.5	-4.40	1 / 0	23.85	19.45	0.088	30.00	-10.55
	64-QAM	1745.0	-4.40	1 / 7	23.01	18.61	0.073	30.00	-11.39
	256-QAM	1711.5	-4.40	1 / 0	20.74	16.34	0.043	30.00	-13.66
5 MHz	QPSK	1712.5	-4.40	1 / 0	24.70	20.30	0.107	30.00	-9.70
		1745.0	-4.40	1 / 12	24.67	20.27	0.106	30.00	-9.73
		1777.5	-4.40	1 / 0	24.69	20.29	0.107	30.00	-9.71
	16-QAM	1712.5	-4.40	1 / 24	23.88	19.48	0.089	30.00	-10.52
	64-QAM	1745.0	-4.40	1 / 0	22.88	18.48	0.070	30.00	-11.52
	256-QAM	1712.5	-4.40	1 / 0	20.74	16.34	0.043	30.00	-13.66
10 MHz	QPSK	1715.0	-4.40	1 / 0	24.69	20.29	0.107	30.00	-9.71
		1745.0	-4.40	1 / 0	24.70	20.30	0.107	30.00	-9.70
		1775.0	-4.40	1 / 0	24.64	20.24	0.106	30.00	-9.76
	16-QAM	1745.0	-4.40	1 / 0	23.89	19.49	0.089	30.00	-10.51
	64-QAM	1745.0	-4.40	1 / 25	23.00	18.60	0.072	30.00	-11.40
	256-QAM	1745.0	-4.40	1 / 0	20.69	16.29	0.043	30.00	-13.71
15 MHz	QPSK	1717.5	-4.40	1 / 37	24.70	20.30	0.107	30.00	-9.70
		1745.0	-4.40	1 / 37	24.60	20.20	0.105	30.00	-9.80
		1772.5	-4.40	1 / 37	24.56	20.16	0.104	30.00	-9.84
	16-QAM	1772.5	-4.40	1 / 37	23.87	19.47	0.089	30.00	-10.53
	64-QAM	1717.5	-4.40	1 / 37	22.77	18.37	0.069	30.00	-11.63
	256-QAM	1717.5	-4.40	1 / 0	20.62	16.22	0.042	30.00	-13.78
	QPSK	1720.0	-4.40	1 / 0	24.62	20.22	0.105	30.00	-9.78
		1745.0	-4.40	1 / 50	24.70	20.30	0.107	30.00	-9.70
		1770.0	-4.40	1 / 50	24.63	20.23	0.105	30.00	-9.77
	16-QAM	1745.0	-4.40	1 / 50	24.15	19.75	0.094	30.00	-10.25
20 MHz	64-QAM	1720.0	-4.40	1 / 50	22.93	18.53	0.071	30.00	-11.47
	256-QAM	1720.0	-4.40	1 / 0	20.63	16.23	0.042	30.00	-13.77


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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 254 of 334

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	-4.40	1 / 0	25.17	20.77	0.119	30.00	-9.23
		1732.5	-4.40	1 / 3	25.70	21.30	0.135	30.00	-8.70
		1754.3	-4.40	1 / 0	25.65	21.25	0.133	30.00	-8.75
	16-QAM	1754.3	-4.40	1 / 3	24.77	20.37	0.109	30.00	-9.63
	64-QAM	1732.5	-4.40	1 / 3	23.70	19.30	0.085	30.00	-10.70
	256-QAM	1710.7	-4.40	1 / 0	21.68	17.28	0.053	30.00	-12.72
3 MHz	QPSK	1711.5	-4.40	1 / 7	25.02	20.62	0.115	30.00	-9.38
		1732.5	-4.40	1 / 7	25.70	21.30	0.135	30.00	-8.70
		1753.5	-4.40	1 / 7	25.62	21.22	0.132	30.00	-8.78
	16-QAM	1732.5	-4.40	1 / 7	24.81	20.41	0.110	30.00	-9.59
	64-QAM	1753.5	-4.40	1 / 7	23.96	19.56	0.090	30.00	-10.44
	256-QAM	1732.5	-4.40	1 / 0	21.70	17.30	0.054	30.00	-12.70
5 MHz	QPSK	1712.5	-4.40	1 / 24	25.28	20.88	0.122	30.00	-9.12
		1732.5	-4.40	1 / 0	25.70	21.30	0.135	30.00	-8.70
		1752.5	-4.40	1 / 0	25.61	21.21	0.132	30.00	-8.79
	16-QAM	1732.5	-4.40	1 / 24	24.96	20.56	0.114	30.00	-9.44
	64-QAM	1732.5	-4.40	1 / 12	23.90	19.50	0.089	30.00	-10.50
	256-QAM	1732.5	-4.40	1 / 0	21.74	17.34	0.054	30.00	-12.66
10 MHz	QPSK	1715.0	-4.40	1 / 49	25.54	21.14	0.130	30.00	-8.86
		1732.5	-4.40	1 / 25	25.70	21.30	0.135	30.00	-8.70
		1750.0	-4.40	1 / 0	25.59	21.19	0.132	30.00	-8.81
	16-QAM	1732.5	-4.40	1 / 25	24.74	20.34	0.108	30.00	-9.66
	64-QAM	1732.5	-4.40	1 / 25	23.80	19.40	0.087	30.00	-10.60
	256-QAM	1715.0	-4.40	1 / 0	21.68	17.28	0.053	30.00	-12.72
15 MHz	QPSK	1717.5	-4.40	1 / 37	25.70	21.30	0.135	30.00	-8.70
		1732.5	-4.40	1 / 37	25.69	21.29	0.135	30.00	-8.71
		1747.5	-4.40	1 / 0	25.51	21.11	0.129	30.00	-8.89
	16-QAM	1732.5	-4.40	1 / 0	24.82	20.42	0.110	30.00	-9.58
	64-QAM	1717.5	-4.40	1 / 37	23.97	19.57	0.091	30.00	-10.43
	256-QAM	1732.5	-4.40	1 / 0	21.62	17.22	0.053	30.00	-12.78
20 MHz	QPSK	1720.0	-4.40	1 / 0	25.60	21.20	0.132	30.00	-8.80
		1732.5	-4.40	1 / 50	25.70	21.30	0.135	30.00	-8.70
		1745.0	-4.40	1 / 50	25.54	21.14	0.130	30.00	-8.86
	16-QAM	1732.5	-4.40	1 / 50	25.07	20.67	0.117	30.00	-9.33
	64-QAM	1745.0	-4.40	1 / 50	24.11	19.71	0.094	30.00	-10.29
	256-QAM	1720.0	-4.40	1 / 0	21.63	17.23	0.053	30.00	-12.77


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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 255 of 334

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	-4.40	1 / 0	24.66	25.19	0.330	30.00	-4.81
		1745.0	-4.40	1 / 12	24.67	25.06	0.321	30.00	-4.94
		1777.5	-4.40	1 / 12	24.69	25.49	0.354	30.00	-4.51
	QPSK	1712.5	-4.40	1 / 12	24.70	25.38	0.345	30.00	-4.62
		1745.0	-4.40	1 / 12	24.67	25.27	0.337	30.00	-4.73
		1777.5	-4.40	1 / 0	24.59	25.36	0.343	30.00	-4.64
	16-QAM	1777.5	-4.40	1 / 12	23.69	24.66	0.292	30.00	-5.34
	64-QAM	1777.5	-4.40	1 / 12	22.44	23.07	0.203	30.00	-6.93
	256-QAM	1777.5	-4.40	1 / 12	20.36	20.89	0.123	30.00	-9.11
10 MHz	π/2 BPSK	1715.0	-4.40	1 / 25	24.65	25.19	0.330	30.00	-4.81
		1745.0	-4.40	1 / 49	24.60	25.06	0.321	30.00	-4.94
		1775.0	-4.40	1 / 25	24.50	25.49	0.354	30.00	-4.51
	QPSK	1715.0	-4.40	1 / 0	24.70	25.38	0.345	30.00	-4.62
		1745.0	-4.40	1 / 49	24.47	25.27	0.337	30.00	-4.73
		1775.0	-4.40	1 / 0	24.60	25.36	0.343	30.00	-4.64
	16-QAM	1775.0	-4.40	1 / 25	24.01	24.66	0.292	30.00	-5.34
	64-QAM	1775.0	-4.40	1 / 0	22.15	23.07	0.203	30.00	-6.93
	256-QAM	1775.0	-4.40	1 / 25	20.37	20.89	0.123	30.00	-9.11
15 MHz	π/2 BPSK	1717.5	-4.40	1 / 0	24.47	20.07	0.102	30.00	-9.93
		1745.0	-4.40	1 / 37	24.62	20.22	0.105	30.00	-9.78
		1772.5	-4.40	1 / 74	24.57	20.17	0.104	30.00	-9.83
	QPSK	1717.5	-4.40	1 / 74	24.33	19.93	0.099	30.00	-10.07
		1745.0	-4.40	1 / 74	24.70	20.30	0.107	30.00	-9.70
		1772.5	-4.40	1 / 37	24.59	20.19	0.104	30.00	-9.81
	16-QAM	1745.0	-4.40	1 / 0	24.18	19.78	0.095	30.00	-10.22
	64-QAM	1745.0	-4.40	1 / 0	22.78	18.38	0.069	30.00	-11.62
	256-QAM	1745.0	-4.40	1 / 0	20.46	16.06	0.040	30.00	-13.94
20 MHz	π/2 BPSK	1720.0	-4.40	1 / 0	24.65	20.25	0.106	30.00	-9.75
		1745.0	-4.40	1 / 50	24.70	20.30	0.107	30.00	-9.70
		1770.0	-4.40	1 / 0	24.30	19.90	0.098	30.00	-10.10
	QPSK	1720.0	-4.40	1 / 99	24.49	20.09	0.102	30.00	-9.91
		1745.0	-4.40	1 / 99	24.34	19.94	0.099	30.00	-10.06
		1770.0	-4.40	1 / 0	24.15	19.75	0.094	30.00	-10.25
	16-QAM	1770.0	-4.40	1 / 99	23.64	19.24	0.084	30.00	-10.76
	64-QAM	1745.0	-4.40	1 / 0	22.28	17.88	0.061	30.00	-12.12
	256-QAM	1770.0	-4.40	1 / 0	20.33	15.93	0.039	30.00	-14.07
30 MHz	π/2 BPSK	1725.0	-4.40	1 / 0	24.40	20.00	0.100	30.00	-10.00
		1745.0	-4.40	1 / 0	24.47	20.07	0.102	30.00	-9.93
		1765.0	-4.40	1 / 99	24.54	20.14	0.103	30.00	-9.86
	QPSK	1725.0	-4.40	1 / 99	24.69	20.29	0.107	30.00	-9.71
		1745.0	-4.40	1 / 50	24.59	20.19	0.104	30.00	-9.81
		1765.0	-4.40	1 / 99	24.70	20.30	0.107	30.00	-9.70
	16-QAM	1745.0	-4.40	1 / 50	24.33	19.93	0.098	30.00	-10.07
	64-QAM	1725.0	-4.40	1 / 99	22.65	18.25	0.067	30.00	-11.75
	256-QAM	1745.0	-4.40	1 / 0	20.32	15.92	0.039	30.00	-14.08
40 MHz	π/2 BPSK	1730.0	-4.40	1 / 0	24.65	20.25	0.106	30.00	-9.75
		1745.0	-4.40	1 / 0	24.49	20.09	0.102	30.00	-9.91
		1760.0	-4.40	1 / 99	24.70	20.30	0.107	30.00	-9.70
	QPSK	1730.0	-4.40	1 / 50	24.36	19.96	0.099	30.00	-10.04
		1745.0	-4.40	1 / 0	24.38	19.98	0.099	30.00	-10.02
		1760.0	-4.40	1 / 50	24.63	20.23	0.106	30.00	-9.77
	16-QAM	1760.0	-4.40	1 / 0	23.92	19.52	0.089	30.00	-10.48
	64-QAM	1760.0	-4.40	1 / 0	22.35	17.95	0.062	30.00	-12.05
	256-QAM	1745.0	-4.40	1 / 0	20.35	15.95	0.039	30.00	-14.05


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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 256 of 334

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	$\pi/2$ BPSK	1697.5	-4.70	1 / 12	25.54	20.84	0.121	30.00	-9.16
		1702.5	-4.70	1 / 0	25.57	20.87	0.122	30.00	-9.13
		1707.5	-4.70	1 / 12	25.23	20.53	0.113	30.00	-9.47
	QPSK	1697.5	-4.70	1 / 0	24.91	20.21	0.105	30.00	-9.79
		1702.5	-4.70	1 / 0	24.61	19.91	0.098	30.00	-10.09
		1707.5	-4.70	1 / 0	24.30	19.60	0.091	30.00	-10.40
	16-QAM	1697.5	-4.70	1 / 24	24.15	19.45	0.088	30.00	-10.55
	64-QAM	1697.5	-4.70	1 / 0	22.67	17.97	0.063	30.00	-12.03
	256-QAM	1697.5	-4.70	1 / 0	20.95	16.25	0.042	30.00	-13.75
10 MHz	$\pi/2$ BPSK	1700.0	-4.70	1 / 25	25.50	20.80	0.120	30.00	-9.20
		1702.5	-4.70	1 / 25	25.70	21.00	0.126	30.00	-9.00
		1705.0	-4.70	1 / 0	25.30	20.60	0.115	30.00	-9.40
	QPSK	1700.0	-4.70	1 / 0	24.53	19.83	0.096	30.00	-10.17
		1702.5	-4.70	1 / 0	24.49	19.79	0.095	30.00	-10.21
		1705.0	-4.70	1 / 0	24.43	19.73	0.094	30.00	-10.27
	16-QAM	1702.5	-4.70	1 / 0	24.19	19.49	0.089	30.00	-10.51
	64-QAM	1700.0	-4.70	1 / 0	23.17	18.47	0.070	30.00	-11.53
15 MHz	256-QAM	1700.0	-4.70	1 / 0	21.17	16.47	0.044	30.00	-13.53
	$\pi/2$ BPSK	1702.5	-4.70	1 / 37	25.62	20.92	0.124	30.00	-9.08
	QPSK	1702.5	-4.70	1 / 0	25.53	20.83	0.121	30.00	-9.17
	16-QAM	1702.5	-4.70	1 / 0	24.55	19.85	0.097	30.00	-10.15
	64-QAM	1702.5	-4.70	1 / 0	23.49	18.79	0.076	30.00	-11.21
	256-QAM	1702.5	-4.70	1 / 0	21.37	16.67	0.046	30.00	-13.33


Table 7-5. Antenna 4b EIRP Data (NR Band n70)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 257 of 334

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.63	-4.40	21.23	0.133	30.00	-8.77
1732.60	WCDMA1700	25.70	-4.40	21.30	0.135	30.00	-8.70
1752.60	WCDMA1700	25.69	-4.40	21.29	0.135	30.00	-8.71

Table 7-6. Antenna 4b EIRP Data (WCDMA AWS)


FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 258 of 334

7.6.2 Antenna 1 – 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	1.80	1 / 3	25.70	27.50	0.562	30.00	-2.50
		1745.0	1.80	1 / 3	25.70	27.50	0.562	30.00	-2.50
		1779.3	1.80	1 / 3	25.69	27.49	0.561	30.00	-2.51
	16-QAM	1710.7	1.80	1 / 3	24.98	26.78	0.476	30.00	-3.22
	64-QAM	1710.7	1.80	1 / 0	23.98	25.78	0.378	30.00	-4.22
	256-QAM	1710.7	1.80	1 / 0	20.85	22.65	0.184	30.00	-7.35
3 MHz	QPSK	1711.5	1.80	1 / 7	25.70	27.50	0.562	30.00	-2.50
		1745.0	1.80	1 / 7	25.64	27.44	0.555	30.00	-2.56
		1778.5	1.80	1 / 7	25.46	27.26	0.532	30.00	-2.74
	16-QAM	1711.5	1.80	1 / 7	24.89	26.69	0.467	30.00	-3.31
	64-QAM	1711.5	1.80	1 / 7	23.98	25.78	0.378	30.00	-4.22
	256-QAM	1745.0	1.80	1 / 7	21.14	22.94	0.197	30.00	-7.06
5 MHz	QPSK	1712.5	1.80	1 / 12	25.70	27.50	0.562	30.00	-2.50
		1745.0	1.80	1 / 24	25.54	27.34	0.542	30.00	-2.66
		1777.5	1.80	1 / 0	25.37	27.17	0.521	30.00	-2.83
	16-QAM	1712.5	1.80	1 / 0	24.91	26.71	0.469	30.00	-3.29
	64-QAM	1712.5	1.80	1 / 0	23.93	25.73	0.374	30.00	-4.27
	256-QAM	1712.5	1.80	1 / 0	20.87	22.67	0.185	30.00	-7.33
10 MHz	QPSK	1715.0	1.80	1 / 25	25.70	27.50	0.562	30.00	-2.50
		1745.0	1.80	1 / 25	25.64	27.44	0.555	30.00	-2.56
		1775.0	1.80	1 / 25	25.51	27.31	0.538	30.00	-2.69
	16-QAM	1715.0	1.80	1 / 25	24.98	26.78	0.476	30.00	-3.22
	64-QAM	1745.0	1.80	1 / 25	24.02	25.82	0.382	30.00	-4.18
	256-QAM	1745.0	1.80	1 / 25	20.80	22.60	0.182	30.00	-7.40
15 MHz	QPSK	1717.5	1.80	1 / 37	25.70	27.50	0.562	30.00	-2.50
		1745.0	1.80	1 / 37	25.56	27.36	0.545	30.00	-2.64
		1772.5	1.80	1 / 0	25.65	27.45	0.556	30.00	-2.55
	16-QAM	1745.0	1.80	1 / 37	24.82	26.62	0.459	30.00	-3.38
	64-QAM	1772.5	1.80	1 / 37	24.06	25.86	0.385	30.00	-4.14
	256-QAM	1772.5	1.80	1 / 0	21.65	23.45	0.221	30.00	-6.55
20 MHz	QPSK	1720.0	1.80	1 / 50	25.70	27.50	0.562	30.00	-2.50
		1745.0	1.80	1 / 50	25.50	27.30	0.537	30.00	-2.70
		1770.0	1.80	1 / 50	25.65	27.45	0.556	30.00	-2.55
	16-QAM	1745.0	1.80	1 / 50	24.99	26.79	0.478	30.00	-3.21
	64-QAM	1770.0	1.80	1 / 50	24.09	25.89	0.388	30.00	-4.11
	256-QAM	1745.0	1.80	1 / 50	20.91	22.71	0.187	30.00	-7.29


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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 259 of 334

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	1.80	1 / 3	25.69	27.49	0.561	30.00	-2.51
		1732.5	1.80	1 / 3	25.67	27.47	0.558	30.00	-2.53
		1754.3	1.80	1 / 3	25.70	27.50	0.562	30.00	-2.50
	16-QAM	1710.7	1.80	1 / 5	24.76	26.56	0.453	30.00	-3.44
	64-QAM	1710.7	1.80	1 / 3	23.79	25.59	0.362	30.00	-4.41
	256-QAM	1732.5	1.80	1 / 0	20.81	22.61	0.182	30.00	-7.39
3 MHz	QPSK	1711.5	1.80	1 / 7	25.70	27.50	0.562	30.00	-2.50
		1732.5	1.80	1 / 7	25.65	27.45	0.556	30.00	-2.55
		1753.5	1.80	1 / 7	25.62	27.42	0.552	30.00	-2.58
	16-QAM	1732.5	1.80	1 / 7	24.88	26.68	0.466	30.00	-3.32
	64-QAM	1753.5	1.80	1 / 7	24.10	25.90	0.389	30.00	-4.10
	256-QAM	1732.5	1.80	1 / 7	20.94	22.74	0.188	30.00	-7.26
5 MHz	QPSK	1712.5	1.80	1 / 12	25.70	27.50	0.562	30.00	-2.50
		1732.5	1.80	1 / 12	25.66	27.46	0.557	30.00	-2.54
		1752.5	1.80	1 / 12	25.48	27.28	0.535	30.00	-2.72
	16-QAM	1712.5	1.80	1 / 24	24.85	26.65	0.462	30.00	-3.35
	64-QAM	1712.5	1.80	1 / 0	24.21	26.01	0.399	30.00	-3.99
	256-QAM	1712.5	1.80	1 / 12	20.92	22.72	0.187	30.00	-7.28
10 MHz	QPSK	1715.0	1.80	1 / 25	25.57	27.37	0.546	30.00	-2.63
		1732.5	1.80	1 / 25	25.70	27.50	0.562	30.00	-2.50
		1750.0	1.80	1 / 25	25.57	27.37	0.546	30.00	-2.63
	16-QAM	1715.0	1.80	1 / 25	24.85	26.65	0.462	30.00	-3.35
	64-QAM	1750.0	1.80	1 / 25	24.16	25.96	0.394	30.00	-4.04
	256-QAM	1715.0	1.80	1 / 0	20.79	22.59	0.182	30.00	-7.41
15 MHz	QPSK	1717.5	1.80	1 / 37	25.70	27.50	0.562	30.00	-2.50
		1732.5	1.80	1 / 37	25.69	27.49	0.561	30.00	-2.51
		1747.5	1.80	1 / 37	25.54	27.34	0.542	30.00	-2.66
	16-QAM	1717.5	1.80	1 / 0	24.80	26.60	0.457	30.00	-3.40
	64-QAM	1717.5	1.80	1 / 37	23.93	25.73	0.374	30.00	-4.27
	256-QAM	1717.5	1.80	1 / 37	20.72	22.52	0.179	30.00	-7.48
20 MHz	QPSK	1720.0	1.80	1 / 50	25.41	27.21	0.526	30.00	-2.79
		1732.5	1.80	1 / 50	25.70	27.50	0.562	30.00	-2.50
		1745.0	1.80	1 / 50	25.58	27.38	0.547	30.00	-2.62
	16-QAM	1732.5	1.80	1 / 50	24.90	26.70	0.468	30.00	-3.30
	64-QAM	1720.0	1.80	1 / 50	24.08	25.88	0.387	30.00	-4.12
	256-QAM	1720.0	1.80	1 / 50	20.99	22.79	0.190	30.00	-7.21


Table 7-8. Antenna 1 EIRP Data (LTE Band 4)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 260 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	0.30	1 / 0	23.89	22.04	0.160	34.77	-12.73	24.19	0.262	36.99	-12.80
		680.5	0.30	1 / 12	23.71	21.86	0.153	34.77	-12.91	24.01	0.252	36.99	-12.98
		695.5	0.30	1 / 12	23.90	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
	16-QAM	680.5	0.30	1 / 12	22.94	21.09	0.129	34.77	-13.68	23.24	0.211	36.99	-13.75
		695.5	0.30	1 / 12	22.25	20.40	0.110	34.77	-14.37	22.55	0.180	36.99	-14.44
		665.5	0.30	1 / 0	19.84	17.99	0.063	34.77	-16.78	20.14	0.103	36.99	-16.85
10 MHz	QPSK	668.0	0.30	1 / 0	23.90	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		680.5	0.30	1 / 25	23.85	22.00	0.158	34.77	-12.77	24.15	0.260	36.99	-12.84
		693.0	0.30	1 / 0	23.88	22.03	0.160	34.77	-12.74	24.18	0.262	36.99	-12.81
	16-QAM	693.0	0.30	1 / 0	23.22	21.37	0.137	34.77	-13.40	23.52	0.225	36.99	-13.47
		693.0	0.30	1 / 25	22.48	20.63	0.116	34.77	-14.14	22.78	0.190	36.99	-14.21
		693.0	0.30	1 / 0	19.90	18.05	0.064	34.77	-16.72	20.20	0.105	36.99	-16.79
15 MHz	QPSK	670.5	0.30	1 / 37	23.82	21.97	0.157	34.77	-12.80	24.12	0.258	36.99	-12.87
		680.5	0.30	1 / 37	23.90	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		690.5	0.30	1 / 0	23.77	21.92	0.156	34.77	-12.85	24.07	0.255	36.99	-12.92
	16-QAM	690.5	0.30	1 / 37	23.22	21.37	0.137	34.77	-13.40	23.52	0.225	36.99	-13.47
		680.5	0.30	1 / 37	22.23	20.38	0.109	34.77	-14.39	22.53	0.179	36.99	-14.46
		680.5	0.30	1 / 0	19.81	17.96	0.063	34.77	-16.81	20.11	0.103	36.99	-16.88
20 MHz	QPSK	673.0	0.30	1 / 0	23.83	21.98	0.158	34.77	-12.79	24.13	0.259	36.99	-12.86
		680.5	0.30	1 / 50	23.90	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		688.0	0.30	1 / 50	23.85	22.00	0.158	34.77	-12.77	24.15	0.260	36.99	-12.84
	16-QAM	680.5	0.30	1 / 50	23.29	21.44	0.139	34.77	-13.33	23.59	0.229	36.99	-13.40
		673.0	0.30	1 / 50	22.46	20.61	0.115	34.77	-14.16	22.76	0.189	36.99	-14.23
		680.5	0.30	1 / 0	19.82	17.97	0.063	34.77	-16.80	20.12	0.103	36.99	-16.87


Table 7-9. Antenna 1 ERP/EIRP Data (LTE Band 71)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 261 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-2.10	1 / 0	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		707.5	-2.10	1 / 0	23.89	19.64	0.092	34.77	-15.13	21.79	0.151	36.99	-15.20
		715.3	-2.10	1 / 0	23.87	19.62	0.092	34.77	-15.15	21.77	0.150	36.99	-15.22
	16-QAM	707.5	-2.10	1 / 0	22.93	18.68	0.074	34.77	-16.09	20.83	0.121	36.99	-16.16
	64-QAM	707.5	-2.10	1 / 3	22.22	17.97	0.063	34.77	-16.80	20.12	0.103	36.99	-16.87
	256-QAM	707.5	-2.10	1 / 0	19.94	15.69	0.037	34.77	-19.08	17.84	0.061	36.99	-19.15
3 MHz	QPSK	700.5	-2.10	1 / 7	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		707.5	-2.10	1 / 7	23.72	19.47	0.089	34.77	-15.30	21.62	0.145	36.99	-15.37
		714.5	-2.10	1 / 0	23.86	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
	16-QAM	714.5	-2.10	1 / 7	23.03	18.78	0.076	34.77	-15.99	20.93	0.124	36.99	-16.06
	64-QAM	714.5	-2.10	1 / 7	22.14	17.89	0.062	34.77	-16.88	20.04	0.101	36.99	-16.95
	256-QAM	714.5	-2.10	1 / 0	19.94	15.69	0.037	34.77	-19.08	17.84	0.061	36.99	-19.15
5 MHz	QPSK	701.5	-2.10	1 / 12	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		707.5	-2.10	1 / 12	23.64	19.39	0.087	34.77	-15.38	21.54	0.143	36.99	-15.45
		713.5	-2.10	1 / 12	23.88	19.63	0.092	34.77	-15.14	21.78	0.151	36.99	-15.21
	16-QAM	707.5	-2.10	1 / 12	22.93	18.68	0.074	34.77	-16.09	20.83	0.121	36.99	-16.16
	64-QAM	707.5	-2.10	1 / 12	22.06	17.81	0.060	34.77	-16.96	19.96	0.099	36.99	-17.03
	256-QAM	713.5	-2.10	1 / 0	19.93	15.68	0.037	34.77	-19.09	17.83	0.061	36.99	-19.16
10 MHz	QPSK	704.0	-2.10	1 / 0	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		707.5	-2.10	1 / 0	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		711.0	-2.10	1 / 0	23.77	19.52	0.090	34.77	-15.25	21.67	0.147	36.99	-15.32
	16-QAM	711.0	-2.10	1 / 0	23.11	18.86	0.077	34.77	-15.91	21.01	0.126	36.99	-15.98
	64-QAM	707.5	-2.10	1 / 0	22.45	18.20	0.066	34.77	-16.57	20.35	0.108	36.99	-16.64
	256-QAM	707.5	-2.10	1 / 0	19.92	15.67	0.037	34.77	-19.10	17.82	0.061	36.99	-19.17


Table 7-10. Antenna 1 ERP/EIRP Data (LTE Band 12)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 262 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-2.10	1 / 12	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		710.0	-2.10	1 / 0	23.62	19.37	0.086	34.77	-15.40	21.52	0.142	36.99	-15.47
		713.5	-2.10	1 / 0	23.85	19.60	0.091	34.77	-15.17	21.75	0.150	36.99	-15.24
	16-QAM	706.5	-2.10	1 / 0	23.05	18.80	0.076	34.77	-15.97	20.95	0.124	36.99	-16.04
	64-QAM	706.5	-2.10	1 / 0	22.08	17.83	0.061	34.77	-16.94	19.98	0.100	36.99	-17.01
		713.5	-2.10	1 / 0	19.91	15.66	0.037	34.77	-19.11	17.81	0.060	36.99	-19.18
10 MHz	QPSK	709.0	-2.10	1 / 0	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		710.0	-2.10	1 / 0	23.81	19.56	0.090	34.77	-15.21	21.71	0.148	36.99	-15.28
		711.0	-2.10	1 / 0	23.72	19.47	0.089	34.77	-15.30	21.62	0.145	36.99	-15.37
	16-QAM	711.0	-2.10	1 / 0	23.21	18.96	0.079	34.77	-15.81	21.11	0.129	36.99	-15.88
	64-QAM	710.0	-2.10	1 / 25	22.15	17.90	0.062	34.77	-16.87	20.05	0.101	36.99	-16.94
		710.0	-2.10	1 / 25	19.18	14.93	0.031	34.77	-19.84	17.08	0.051	36.99	-19.91


Table 7-11. Antenna 1 ERP/EIRP Data (LTE Band 17)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 263 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-3.10	1 / 12	23.90	18.65	0.073	34.77	-16.12	20.80	0.120	36.99	-16.19
		782.0	-3.10	1 / 12	23.61	18.36	0.069	34.77	-16.41	20.51	0.112	36.99	-16.48
		784.5	-3.10	1 / 12	23.73	18.48	0.070	34.77	-16.29	20.63	0.116	36.99	-16.36
	16-QAM	779.5	-3.10	1 / 12	22.89	17.64	0.058	34.77	-17.13	19.79	0.095	36.99	-17.20
	64-QAM	779.5	-3.10	1 / 0	22.03	16.78	0.048	34.77	-17.99	18.93	0.078	36.99	-18.06
10 MHz	256-QAM	782.0	-3.10	1 / 12	18.91	13.66	0.023	34.77	-21.11	15.81	0.038	36.99	-21.18
	QPSK	782.0	-3.10	1 / 0	23.90	18.65	0.073	34.77	-16.12	20.80	0.120	36.99	-16.19
	16-QAM	782.0	-3.10	1 / 0	23.29	18.04	0.064	34.77	-16.73	20.19	0.104	36.99	-16.80
	64-QAM	782.0	-3.10	1 / 0	23.27	18.02	0.063	34.77	-16.75	20.17	0.104	36.99	-16.82
	256-QAM	782.0	-3.10	1 / 0	19.02	13.77	0.024	34.77	-21.00	15.92	0.039	36.99	-21.07


Table 7-12. Antenna 1 ERP/EIRP Data (LTE Band 13)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 264 of 334

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	1.80	1 / 24	25.11	26.91	0.491	30.00	-3.09
		1745.0	1.80	1 / 12	24.98	26.78	0.477	30.00	-3.22
		1777.5	1.80	1 / 0	25.46	27.26	0.532	30.00	-2.74
	QPSK	1712.5	1.80	1 / 0	25.07	26.87	0.487	30.00	-3.13
		1745.0	1.80	1 / 24	25.08	26.88	0.488	30.00	-3.12
		1777.5	1.80	1 / 0	25.17	26.97	0.498	30.00	-3.03
	16-QAM	1777.5	1.80	1 / 0	24.30	26.10	0.407	30.00	-3.90
	64-QAM	1777.5	1.80	1 / 12	22.70	24.50	0.282	30.00	-5.50
	256-QAM	1777.5	1.80	1 / 12	20.74	22.54	0.179	30.00	-7.46
10 MHz	$\pi/2$ BPSK	1715.0	1.80	1 / 49	25.06	26.86	0.485	30.00	-3.14
		1745.0	1.80	1 / 25	25.31	27.11	0.514	30.00	-2.89
		1775.0	1.80	1 / 25	25.16	26.96	0.497	30.00	-3.04
	QPSK	1715.0	1.80	1 / 0	25.09	26.89	0.488	30.00	-3.11
		1745.0	1.80	1 / 0	25.17	26.97	0.498	30.00	-3.03
		1775.0	1.80	1 / 0	24.90	26.70	0.468	30.00	-3.30
	16-QAM	1715.0	1.80	1 / 0	24.36	26.16	0.413	30.00	-3.84
	64-QAM	1775.0	1.80	1 / 49	22.81	24.61	0.289	30.00	-5.39
	256-QAM	1715.0	1.80	1 / 0	20.57	22.37	0.173	30.00	-7.63
15 MHz	$\pi/2$ BPSK	1717.5	1.80	1 / 37	25.25	27.05	0.507	30.00	-2.95
		1745.0	1.80	1 / 37	25.42	27.22	0.528	30.00	-2.78
		1772.5	1.80	1 / 37	24.92	26.72	0.470	30.00	-3.28
	QPSK	1717.5	1.80	1 / 74	25.36	27.16	0.520	30.00	-2.84
		1745.0	1.80	1 / 0	25.31	27.11	0.514	30.00	-2.89
		1772.5	1.80	1 / 0	25.54	27.34	0.542	30.00	-2.66
	16-QAM	1772.5	1.80	1 / 74	24.53	26.33	0.430	30.00	-3.67
	64-QAM	1717.5	1.80	1 / 37	23.10	24.90	0.309	30.00	-5.10
	256-QAM	1717.5	1.80	1 / 0	20.64	22.44	0.175	30.00	-7.56
20 MHz	$\pi/2$ BPSK	1720.0	1.80	1 / 0	25.52	27.32	0.539	30.00	-2.68
		1745.0	1.80	1 / 0	25.32	27.12	0.515	30.00	-2.88
		1770.0	1.80	1 / 99	25.06	26.86	0.486	30.00	-3.14
	QPSK	1720.0	1.80	1 / 99	25.18	26.98	0.498	30.00	-3.02
		1745.0	1.80	1 / 99	25.27	27.07	0.509	30.00	-2.93
		1770.0	1.80	1 / 99	25.19	26.99	0.500	30.00	-3.01
	16-QAM	1745.0	1.80	1 / 99	24.43	26.23	0.420	30.00	-3.77
	64-QAM	1770.0	1.80	1 / 99	22.96	24.76	0.299	30.00	-5.24
	256-QAM	1720.0	1.80	1 / 50	20.90	22.70	0.186	30.00	-7.30
30 MHz	$\pi/2$ BPSK	1725.0	1.80	1 / 50	25.12	26.92	0.492	30.00	-3.08
		1745.0	1.80	1 / 50	25.31	27.11	0.514	30.00	-2.89
		1765.0	1.80	1 / 0	25.22	27.02	0.504	30.00	-2.98
	QPSK	1725.0	1.80	1 / 50	25.20	27.00	0.502	30.00	-3.00
		1745.0	1.80	1 / 50	25.33	27.13	0.517	30.00	-2.87
		1765.0	1.80	1 / 50	25.35	27.15	0.518	30.00	-2.85
	16-QAM	1765.0	1.80	1 / 50	24.66	26.46	0.443	30.00	-3.54
	64-QAM	1765.0	1.80	1 / 99	23.07	24.87	0.307	30.00	-5.13
	256-QAM	1745.0	1.80	1 / 0	21.06	22.86	0.193	30.00	-7.14
40 MHz	$\pi/2$ BPSK	1730.0	1.80	1 / 99	25.50	27.30	0.537	30.00	-2.70
		1745.0	1.80	1 / 99	25.35	27.15	0.519	30.00	-2.85
		1760.0	1.80	1 / 0	25.22	27.02	0.504	30.00	-2.98
	QPSK	1730.0	1.80	1 / 50	25.15	26.95	0.495	30.00	-3.05
		1745.0	1.80	1 / 99	25.38	27.18	0.522	30.00	-2.82
		1760.0	1.80	1 / 50	25.25	27.05	0.506	30.00	-2.95
	16-QAM	1745.0	1.80	1 / 99	24.55	26.35	0.432	30.00	-3.65
	64-QAM	1745.0	1.80	1 / 50	23.06	24.86	0.306	30.00	-5.14
	256-QAM	1760.0	1.80	1 / 50	21.08	22.88	0.194	30.00	-7.12


Table 7-13. Antenna 1 EIRP Data (NR Band n66)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 265 of 334

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	$\pi/2$ BPSK	1697.5	0.20	1 / 12	25.67	25.87	0.387	30.00	-4.13
		1702.5	0.20	1 / 0	25.69	25.89	0.388	30.00	-4.11
		1707.5	0.20	1 / 0	25.70	25.90	0.389	30.00	-4.10
	QPSK	1697.5	0.20	1 / 0	25.63	25.83	0.383	30.00	-4.17
		1702.5	0.20	1 / 0	25.61	25.81	0.381	30.00	-4.19
		1707.5	0.20	1 / 24	25.60	25.80	0.380	30.00	-4.20
	16-QAM	1697.5	0.20	1 / 24	24.87	25.07	0.321	30.00	-4.93
	64-QAM	1707.5	0.20	1 / 0	23.34	23.54	0.226	30.00	-6.46
	256-QAM	1697.5	0.20	1 / 0	21.19	21.39	0.138	30.00	-8.61
10 MHz	$\pi/2$ BPSK	1700.0	0.20	1 / 49	25.70	25.90	0.389	30.00	-4.10
		1702.5	0.20	1 / 0	25.66	25.86	0.386	30.00	-4.14
		1705.0	0.20	1 / 25	25.50	25.70	0.371	30.00	-4.30
	QPSK	1700.0	0.20	1 / 49	25.58	25.78	0.379	30.00	-4.22
		1702.5	0.20	1 / 49	25.63	25.83	0.383	30.00	-4.17
		1705.0	0.20	1 / 0	25.44	25.64	0.366	30.00	-4.36
	16-QAM	1705.0	0.20	1 / 49	25.15	25.35	0.343	30.00	-4.65
	64-QAM	1700.0	0.20	1 / 49	23.31	23.51	0.225	30.00	-6.49
15 MHz	256-QAM	1702.5	0.20	1 / 0	21.19	21.39	0.138	30.00	-8.61
	$\pi/2$ BPSK	1702.5	0.20	1 / 0	25.77	25.97	0.395	30.00	-4.03
	QPSK	1702.5	0.20	1 / 0	24.81	25.01	0.317	30.00	-4.99
	16-QAM	1702.5	0.20	1 / 74	24.05	24.25	0.266	30.00	-5.75
	64-QAM	1702.5	0.20	1 / 0	22.57	22.77	0.189	30.00	-7.23
	256-QAM	1702.5	0.20	1 / 0	20.85	21.05	0.127	30.00	-8.95


Table 7-14. Antenna 1 EIRP Data (NR Band n70)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 266 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	665.5	0.30	1 / 0	23.11	21.26	0.134	34.77	-13.51	23.41	0.219	36.99	-13.58
		680.5	0.30	1 / 0	23.51	21.66	0.147	34.77	-13.11	23.81	0.240	36.99	-13.18
		695.5	0.30	1 / 0	23.35	21.50	0.141	34.77	-13.27	23.65	0.232	36.99	-13.34
	QPSK	665.5	0.30	1 / 0	23.52	21.67	0.147	34.77	-13.10	23.82	0.241	36.99	-13.17
		680.5	0.30	1 / 24	23.21	21.36	0.137	34.77	-13.41	23.51	0.224	36.99	-13.48
		695.5	0.30	1 / 12	23.14	21.29	0.135	34.77	-13.48	23.44	0.221	36.99	-13.55
	16-QAM	665.5	0.30	1 / 24	22.69	20.84	0.121	34.77	-13.93	22.99	0.199	36.99	-14.00
	64-QAM	665.5	0.30	1 / 0	21.23	19.38	0.087	34.77	-15.39	21.53	0.142	36.99	-15.46
10 MHz	$\pi/2$ BPSK	668.0	0.30	1 / 49	23.27	21.42	0.139	34.77	-13.35	23.57	0.228	36.99	-13.42
		680.5	0.30	1 / 0	23.28	21.43	0.139	34.77	-13.35	23.58	0.228	36.99	-13.41
		693.0	0.30	1 / 0	23.34	21.49	0.141	34.77	-13.28	23.64	0.231	36.99	-13.35
	QPSK	668.0	0.30	1 / 0	23.41	21.56	0.143	34.77	-13.21	23.71	0.235	36.99	-13.28
		680.5	0.30	1 / 49	23.16	21.31	0.135	34.77	-13.46	23.46	0.222	36.99	-13.53
		693.0	0.30	1 / 25	23.21	21.36	0.137	34.77	-13.41	23.51	0.224	36.99	-13.48
	16-QAM	693.0	0.30	1 / 25	22.75	20.90	0.123	34.77	-13.87	23.05	0.202	36.99	-13.94
	64-QAM	668.0	0.30	1 / 0	21.19	19.34	0.086	34.77	-15.43	21.49	0.141	36.99	-15.50
15 MHz	$\pi/2$ BPSK	670.5	0.30	1 / 74	23.59	21.74	0.149	34.77	-13.03	23.89	0.245	36.99	-13.10
		680.5	0.30	1 / 74	23.24	21.39	0.138	34.77	-13.38	23.54	0.226	36.99	-13.45
		690.5	0.30	1 / 37	23.73	21.88	0.154	34.77	-12.89	24.03	0.253	36.99	-12.96
	QPSK	670.5	0.30	1 / 37	23.62	21.77	0.150	34.77	-13.00	23.92	0.246	36.99	-13.07
		680.5	0.30	1 / 0	23.55	21.70	0.148	34.77	-13.07	23.85	0.243	36.99	-13.14
		690.5	0.30	1 / 37	23.59	21.74	0.149	34.77	-13.03	23.89	0.245	36.99	-13.10
	16-QAM	670.5	0.30	1 / 0	23.14	21.29	0.135	34.77	-13.48	23.44	0.221	36.99	-13.55
	64-QAM	670.5	0.30	1 / 0	21.69	19.84	0.096	34.77	-14.93	21.99	0.158	36.99	-15.00
20 MHz	$\pi/2$ BPSK	680.5	0.30	1 / 74	19.09	17.24	0.053	34.77	-17.53	19.39	0.087	36.99	-17.60
		673.0	0.30	1 / 99	23.73	21.88	0.154	34.77	-12.89	24.03	0.253	36.99	-12.96
		680.5	0.30	1 / 99	23.29	21.44	0.139	34.77	-13.33	23.59	0.229	36.99	-13.40
	QPSK	688.0	0.30	1 / 0	23.81	21.96	0.157	34.77	-12.81	24.11	0.257	36.99	-12.88
		673.0	0.30	1 / 99	23.61	21.76	0.150	34.77	-13.01	23.91	0.246	36.99	-13.08
		680.5	0.30	1 / 99	23.39	21.54	0.143	34.77	-13.23	23.69	0.234	36.99	-13.30
	16-QAM	688.0	0.30	1 / 50	23.58	21.73	0.149	34.77	-13.04	23.88	0.244	36.99	-13.11
	64-QAM	680.5	0.30	1 / 0	22.85	21.00	0.126	34.77	-13.77	23.15	0.207	36.99	-13.84
25 MHz	QPSK	673.0	0.30	1 / 50	21.51	19.66	0.093	34.77	-15.11	21.81	0.152	36.99	-15.17
		680.5	0.30	1 / 0	18.94	17.09	0.051	34.77	-17.68	19.24	0.084	36.99	-17.75


Table 7-15. Antenna 1 ERP/EIRP Data (NR Band n71)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 267 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
5 MHz	π/2 BPSK	701.5	-2.10	1 / 23	23.88	19.63	0.092	34.77	-15.14	21.78	0.151	36.99	-15.21	
		707.5	-2.10	1 / 23	23.69	19.44	0.088	34.77	-15.33	21.59	0.144	36.99	-15.40	
		713.5	-2.10	1 / 1	23.85	19.60	0.091	34.77	-15.17	21.75	0.150	36.99	-15.24	
	707.5	-2.10	1 / 1	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19		
	713.5	-2.10	1 / 12	23.79	19.54	0.090	34.77	-15.23	21.69	0.148	36.99	-15.30		
	256-QAM	701.5	-2.10	1 / 23	18.92	14.67	0.029	34.77	-20.10	16.82	0.048	36.99	-20.17	
	10 MHz	π/2 BPSK	704.0	-2.10	1 / 26	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
			707.5	-2.10	1 / 1	23.76	19.51	0.089	34.77	-15.26	21.66	0.147	36.99	-15.33
711.0			-2.10	1 / 26	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19	
707.5		-2.10	1 / 1	23.78	19.53	0.090	34.77	-15.24	21.68	0.147	36.99	-15.31		
711.0		-2.10	1 / 1	23.82	19.57	0.091	34.77	-15.20	21.72	0.149	36.99	-15.27		
256-QAM		704.0	-2.10	1 / 26	18.90	14.65	0.029	34.77	-20.12	16.80	0.048	36.99	-20.19	
15 MHz		π/2 BPSK	706.5	-2.10	1 / 39	23.88	19.63	0.092	34.77	-15.14	21.78	0.151	36.99	-15.21
			707.5	-2.10	1 / 1	23.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
	708.5		-2.10	1 / 1	23.85	19.60	0.091	34.77	-15.17	21.75	0.150	36.99	-15.24	
	707.5	-2.10	1 / 39	23.60	19.35	0.086	34.77	-15.42	21.50	0.141	36.99	-15.49		
	708.5	-2.10	1 / 39	23.85	19.60	0.091	34.77	-15.17	21.75	0.150	36.99	-15.24		
	64-QAM	707.5	-2.10	1 / 77	21.87	17.62	0.058	34.77	-17.15	19.77	0.095	36.99	-17.22	
	256-QAM	708.5	-2.10	1 / 39	18.85	14.60	0.029	34.77	-20.17	16.75	0.047	36.99	-20.24	


Table 7-16. Antenna 1 ERP/EIRP Data (NR Band n12)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 268 of 334

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	22.68	1.80	24.48	0.281	30.00	-5.52
1732.60	WCDMA1700	22.64	1.80	24.44	0.278	30.00	-5.56
1752.60	WCDMA1700	22.65	1.80	24.45	0.279	30.00	-5.55

Table 7-17. Antenna 1 EIRP Data (WCDMA AWS)


FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 269 of 334

7.6.3 Antenna 3 – ERP/EIRP

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-1.50	1 / 0	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		680.5	-1.50	1 / 0	25.62	21.97	0.157	34.77	-12.80	24.12	0.258	36.99	-12.87
		695.5	-1.50	1 / 0	25.51	21.86	0.153	34.77	-12.91	24.01	0.252	36.99	-12.98
	16-QAM	665.5	-1.50	1 / 12	24.87	21.22	0.132	34.77	-13.55	23.37	0.217	36.99	-13.62
	64-QAM	695.5	-1.50	1 / 0	24.00	20.35	0.108	34.77	-14.42	22.50	0.178	36.99	-14.49
10 MHz	QPSK	665.5	-1.50	1 / 0	21.62	17.97	0.063	34.77	-16.80	20.12	0.103	36.99	-16.87
		668.0	-1.50	1 / 0	25.61	21.96	0.157	34.77	-12.81	24.11	0.258	36.99	-12.88
		680.5	-1.50	1 / 0	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
	16-QAM	693.0	-1.50	1 / 0	25.52	21.87	0.154	34.77	-12.90	24.02	0.252	36.99	-12.97
		668.0	-1.50	1 / 0	24.78	21.13	0.130	34.77	-13.64	23.28	0.213	36.99	-13.71
15 MHz	QPSK	680.5	-1.50	1 / 0	24.02	20.37	0.109	34.77	-14.40	22.52	0.179	36.99	-14.47
		668.0	-1.50	1 / 0	21.60	17.95	0.062	34.77	-16.82	20.10	0.102	36.99	-16.89
		670.5	-1.50	1 / 37	25.66	22.01	0.159	34.77	-12.76	24.16	0.261	36.99	-12.83
	16-QAM	680.5	-1.50	1 / 37	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		690.5	-1.50	1 / 37	25.43	21.78	0.151	34.77	-12.99	23.93	0.247	36.99	-13.06
20 MHz	QPSK	670.5	-1.50	1 / 0	24.94	21.29	0.135	34.77	-13.48	23.44	0.221	36.99	-13.55
		680.5	-1.50	1 / 37	23.91	20.26	0.106	34.77	-14.51	22.41	0.174	36.99	-14.58
		670.5	-1.50	1 / 0	21.52	17.87	0.061	34.77	-16.90	20.02	0.100	36.99	-16.97
	16-QAM	673.0	-1.50	1 / 0	25.64	21.99	0.158	34.77	-12.78	24.14	0.259	36.99	-12.85
		680.5	-1.50	1 / 0	25.45	21.80	0.151	34.77	-12.97	23.95	0.248	36.99	-13.04
20 MHz	QPSK	688.0	-1.50	1 / 0	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		680.5	-1.50	1 / 50	25.01	21.36	0.137	34.77	-13.41	23.51	0.224	36.99	-13.48
		680.5	-1.50	1 / 50	23.97	20.32	0.108	34.77	-14.45	22.47	0.177	36.99	-14.52
	16-QAM	673.0	-1.50	1 / 0	21.50	17.85	0.061	34.77	-16.92	20.00	0.100	36.99	-16.99
		673.0	-1.50	1 / 0	21.50	17.85	0.061	34.77	-16.92	20.00	0.100	36.99	-16.99


Table 7-18. Antenna 3 ERP/EIRP Data (LTE Band 71)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 270 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-1.50	1 / 0	25.45	21.80	0.151	34.77	-12.97	23.95	0.248	36.99	-13.04
		707.5	-1.50	1 / 3	25.61	21.96	0.157	34.77	-12.81	24.11	0.258	36.99	-12.88
		715.3	-1.50	1 / 0	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
	16-QAM	699.7	-1.50	1 / 0	24.66	21.01	0.126	34.77	-13.76	23.16	0.207	36.99	-13.83
	64-QAM	699.7	-1.50	1 / 0	23.80	20.15	0.104	34.77	-14.62	22.30	0.170	36.99	-14.69
	256-QAM	699.7	-1.50	1 / 0	21.34	17.69	0.059	34.77	-17.08	19.84	0.096	36.99	-17.15
3 MHz	QPSK	700.5	-1.50	1 / 7	25.54	21.89	0.155	34.77	-12.88	24.04	0.254	36.99	-12.95
		707.5	-1.50	1 / 7	25.66	22.01	0.159	34.77	-12.76	24.16	0.261	36.99	-12.83
		714.5	-1.50	1 / 7	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
	16-QAM	700.5	-1.50	1 / 7	24.82	21.17	0.131	34.77	-13.60	23.32	0.215	36.99	-13.67
	64-QAM	707.5	-1.50	1 / 7	23.95	20.30	0.107	34.77	-14.47	22.45	0.176	36.99	-14.54
	256-QAM	707.5	-1.50	1 / 0	21.44	17.79	0.060	34.77	-16.98	19.94	0.099	36.99	-17.05
5 MHz	QPSK	701.5	-1.50	1 / 12	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		707.5	-1.50	1 / 12	25.62	21.97	0.157	34.77	-12.80	24.12	0.258	36.99	-12.87
		713.5	-1.50	1 / 12	25.42	21.77	0.150	34.77	-13.00	23.92	0.247	36.99	-13.07
	16-QAM	707.5	-1.50	1 / 12	24.63	20.98	0.125	34.77	-13.79	23.13	0.206	36.99	-13.86
	64-QAM	701.5	-1.50	1 / 12	23.70	20.05	0.101	34.77	-14.72	22.20	0.166	36.99	-14.79
	256-QAM	707.5	-1.50	1 / 0	21.37	17.72	0.059	34.77	-17.05	19.87	0.097	36.99	-17.12
10 MHz	QPSK	704.0	-1.50	1 / 0	25.57	21.92	0.156	34.77	-12.85	24.07	0.255	36.99	-12.92
		707.5	-1.50	1 / 0	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		711.0	-1.50	1 / 25	25.66	22.01	0.159	34.77	-12.76	24.16	0.261	36.99	-12.83
	16-QAM	711.0	-1.50	1 / 0	24.96	21.31	0.135	34.77	-13.46	23.46	0.222	36.99	-13.53
	64-QAM	707.5	-1.50	1 / 49	24.25	20.60	0.115	34.77	-14.17	22.75	0.188	36.99	-14.24
	256-QAM	704.0	-1.50	1 / 0	21.42	17.77	0.060	34.77	-17.00	19.92	0.098	36.99	-17.07


Table 7-19. Antenna 3 ERP/EIRP Data (LTE Band 12)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 271 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-1.50	1 / 0	25.65	22.00	0.158	34.77	-12.77	24.15	0.260	36.99	-12.84
		710.0	-1.50	1 / 12	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
		713.5	-1.50	1 / 12	25.69	22.04	0.160	34.77	-12.73	24.19	0.262	36.99	-12.80
	16-QAM	706.5	-1.50	1 / 12	24.84	21.19	0.132	34.77	-13.58	23.34	0.216	36.99	-13.65
		706.5	-1.50	1 / 12	24.20	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
		706.5	-1.50	1 / 0	21.54	17.89	0.062	34.77	-16.88	20.04	0.101	36.99	-16.95
10 MHz	QPSK	709.0	-1.50	1 / 0	25.53	21.88	0.154	34.77	-12.89	24.03	0.253	36.99	-12.96
		710.0	-1.50	1 / 0	25.67	22.02	0.159	34.77	-12.75	24.17	0.261	36.99	-12.82
		711.0	-1.50	1 / 0	25.70	22.05	0.160	34.77	-12.72	24.20	0.263	36.99	-12.79
	16-QAM	710.0	-1.50	1 / 0	24.91	21.26	0.134	34.77	-13.51	23.41	0.219	36.99	-13.58
		709.0	-1.50	1 / 0	23.95	20.30	0.107	34.77	-14.47	22.45	0.176	36.99	-14.54
		709.0	-1.50	1 / 0	21.52	17.87	0.061	34.77	-16.90	20.02	0.100	36.99	-16.97


Table 7-20. Antenna 3 ERP/EIRP Data (LTE Band 17)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 272 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-2.90	1 / 12	25.70	20.65	0.116	34.77	-14.12	22.80	0.191	36.99	-14.19
		782.0	-2.90	1 / 0	25.63	20.58	0.114	34.77	-14.19	22.73	0.187	36.99	-14.26
		784.5	-2.90	1 / 0	25.61	20.56	0.114	34.77	-14.21	22.71	0.187	36.99	-14.28
	16-QAM	782.0	-2.90	1 / 12	24.66	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
	64-QAM	784.5	-2.90	1 / 0	23.69	18.64	0.073	34.77	-16.13	20.79	0.120	36.99	-16.20
10 MHz	256-QAM	782.0	-2.90	1 / 0	21.66	16.61	0.046	34.77	-18.16	18.76	0.075	36.99	-18.23
	QPSK	782.0	-2.90	1 / 0	25.70	20.65	0.116	34.77	-14.12	22.80	0.191	36.99	-14.19
		782.0	-2.90	1 / 49	24.81	19.76	0.095	34.77	-15.01	21.91	0.155	36.99	-15.08
		782.0	-2.90	1 / 49	23.51	18.46	0.070	34.77	-16.31	20.61	0.115	36.99	-16.38
	256-QAM	782.0	-2.90	1 / 0	21.67	16.62	0.046	34.77	-18.15	18.77	0.075	36.99	-18.22


Table 7-21. Antenna 3 ERP/EIRP Data (LTE Band 13)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 273 of 334

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	1.70	1 / 0	24.15	25.85	0.385	30.00	-4.15
		1745.0	1.70	1 / 3	24.20	25.90	0.389	30.00	-4.10
		1779.3	1.70	1 / 3	24.16	25.86	0.385	30.00	-4.14
	16-QAM	1710.7	1.70	1 / 5	23.36	25.06	0.321	30.00	-4.94
	64-QAM	1745.0	1.70	1 / 3	22.43	24.13	0.259	30.00	-5.87
	256-QAM	1710.7	1.70	1 / 0	20.16	21.86	0.153	30.00	-8.14
3 MHz	QPSK	1711.5	1.70	1 / 7	24.20	25.90	0.389	30.00	-4.10
		1745.0	1.70	1 / 7	24.20	25.90	0.389	30.00	-4.10
		1778.5	1.70	1 / 7	24.04	25.74	0.375	30.00	-4.26
	16-QAM	1711.5	1.70	1 / 7	23.48	25.18	0.330	30.00	-4.82
	64-QAM	1745.0	1.70	1 / 7	22.68	24.38	0.274	30.00	-5.62
	256-QAM	1711.5	1.70	1 / 0	20.19	21.89	0.155	30.00	-8.11
5 MHz	QPSK	1712.5	1.70	1 / 0	24.20	25.90	0.389	30.00	-4.10
		1745.0	1.70	1 / 0	24.16	25.86	0.385	30.00	-4.14
		1777.5	1.70	1 / 0	24.06	25.76	0.377	30.00	-4.24
	16-QAM	1712.5	1.70	1 / 0	23.23	24.93	0.311	30.00	-5.07
	64-QAM	1712.5	1.70	1 / 0	22.24	23.94	0.248	30.00	-6.06
	256-QAM	1712.5	1.70	1 / 0	20.20	21.90	0.155	30.00	-8.10
10 MHz	QPSK	1715.0	1.70	1 / 25	24.20	25.90	0.389	30.00	-4.10
		1745.0	1.70	1 / 0	24.20	25.90	0.389	30.00	-4.10
		1775.0	1.70	1 / 0	24.11	25.81	0.381	30.00	-4.19
	16-QAM	1715.0	1.70	1 / 0	23.44	25.14	0.327	30.00	-4.86
	64-QAM	1745.0	1.70	1 / 25	22.77	24.47	0.280	30.00	-5.53
	256-QAM	1745.0	1.70	1 / 0	20.20	21.90	0.155	30.00	-8.10
15 MHz	QPSK	1717.5	1.70	1 / 37	24.20	25.90	0.389	30.00	-4.10
		1745.0	1.70	1 / 37	24.08	25.78	0.378	30.00	-4.22
		1772.5	1.70	75 / 0	23.92	25.62	0.365	30.00	-4.38
	16-QAM	1717.5	1.70	1 / 37	23.36	25.06	0.321	30.00	-4.94
	64-QAM	1745.0	1.70	1 / 37	22.50	24.20	0.263	30.00	-5.80
	256-QAM	1717.5	1.70	1 / 0	21.94	23.64	0.231	30.00	-6.36
	QPSK	1720.0	1.70	1 / 50	23.85	25.55	0.359	30.00	-4.45
		1745.0	1.70	1 / 50	24.20	25.90	0.389	30.00	-4.10
		1770.0	1.70	1 / 50	23.99	25.69	0.371	30.00	-4.31
	16-QAM	1745.0	1.70	1 / 50	23.43	25.13	0.326	30.00	-4.87
20 MHz	64-QAM	1720.0	1.70	1 / 50	22.64	24.34	0.272	30.00	-5.66
	256-QAM	1720.0	1.70	1 / 0	20.10	21.80	0.151	30.00	-8.20


Table 7-22. Antenna 3 EIRP Data (LTE Band 66)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 274 of 334

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	1.70	1 / 0	25.11	26.81	0.480	30.00	-3.19
		1732.5	1.70	1 / 3	25.20	26.90	0.490	30.00	-3.10
		1754.3	1.70	1 / 3	25.20	26.90	0.490	30.00	-3.10
	16-QAM	1710.7	1.70	1 / 5	24.30	26.00	0.398	30.00	-4.00
	64-QAM	1732.5	1.70	1 / 0	23.33	25.03	0.318	30.00	-4.97
	256-QAM	1732.5	1.70	1 / 0	21.11	22.81	0.191	30.00	-7.19
3 MHz	QPSK	1711.5	1.70	1 / 0	25.11	26.81	0.480	30.00	-3.19
		1732.5	1.70	1 / 7	25.20	26.90	0.490	30.00	-3.10
		1753.5	1.70	1 / 0	25.07	26.77	0.475	30.00	-3.23
	16-QAM	1711.5	1.70	1 / 0	24.36	26.06	0.404	30.00	-3.94
	64-QAM	1753.5	1.70	1 / 7	23.66	25.36	0.344	30.00	-4.64
	256-QAM	1711.5	1.70	1 / 0	21.17	22.87	0.194	30.00	-7.13
5 MHz	QPSK	1712.5	1.70	1 / 12	25.20	26.90	0.490	30.00	-3.10
		1732.5	1.70	1 / 0	25.14	26.84	0.483	30.00	-3.16
		1752.5	1.70	1 / 0	25.10	26.80	0.479	30.00	-3.20
	16-QAM	1712.5	1.70	1 / 0	24.16	25.86	0.385	30.00	-4.14
	64-QAM	1732.5	1.70	1 / 0	23.28	24.98	0.315	30.00	-5.02
	256-QAM	1712.5	1.70	1 / 0	21.18	22.88	0.194	30.00	-7.12
10 MHz	QPSK	1715.0	1.70	1 / 0	25.17	26.87	0.486	30.00	-3.13
		1732.5	1.70	1 / 0	25.20	26.90	0.490	30.00	-3.10
		1750.0	1.70	1 / 0	25.08	26.78	0.476	30.00	-3.22
	16-QAM	1715.0	1.70	1 / 25	24.32	26.02	0.400	30.00	-3.98
	64-QAM	1715.0	1.70	1 / 25	23.59	25.29	0.338	30.00	-4.71
	256-QAM	1732.5	1.70	1 / 0	21.19	22.89	0.195	30.00	-7.11
15 MHz	QPSK	1717.5	1.70	1 / 37	25.20	26.90	0.490	30.00	-3.10
		1732.5	1.70	1 / 37	25.13	26.83	0.482	30.00	-3.17
		1747.5	1.70	1 / 37	24.94	26.64	0.461	30.00	-3.36
	16-QAM	1717.5	1.70	1 / 0	24.27	25.97	0.395	30.00	-4.03
	64-QAM	1732.5	1.70	1 / 37	23.63	25.33	0.341	30.00	-4.67
	256-QAM	1717.5	1.70	1 / 0	21.10	22.80	0.191	30.00	-7.20
20 MHz	QPSK	1720.0	1.70	1 / 0	25.08	26.78	0.476	30.00	-3.22
		1732.5	1.70	1 / 0	25.20	26.90	0.490	30.00	-3.10
		1745.0	1.70	1 / 50	25.11	26.81	0.480	30.00	-3.19
	16-QAM	1732.5	1.70	1 / 0	24.54	26.24	0.421	30.00	-3.76
	64-QAM	1732.5	1.70	1 / 0	23.71	25.41	0.348	30.00	-4.59
	256-QAM	1720.0	1.70	1 / 0	21.06	22.76	0.189	30.00	-7.24


Table 7-23. Antenna 3 EIRP Data (LTE Band 4)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 275 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-1.50	1 / 24	25.28	21.63	0.145	34.77	-13.14	23.78	0.239	36.99	-13.21
		680.5	-1.50	1 / 0	25.48	21.83	0.152	34.77	-12.94	23.98	0.250	36.99	-13.01
		695.5	-1.50	1 / 12	25.19	21.54	0.143	34.77	-13.23	23.69	0.234	36.99	-13.30
	QPSK	665.5	-1.50	1 / 24	25.39	21.74	0.149	34.77	-13.03	23.89	0.245	36.99	-13.09
		680.5	-1.50	1 / 24	24.93	21.28	0.134	34.77	-13.50	23.43	0.220	36.99	-13.56
		695.5	-1.50	1 / 24	25.17	21.52	0.142	34.77	-13.25	23.67	0.233	36.99	-13.32
	16-QAM	665.5	-1.50	1 / 24	24.89	21.24	0.133	34.77	-13.53	23.39	0.218	36.99	-13.60
	64-QAM	665.5	-1.50	1 / 12	23.05	19.40	0.087	34.77	-15.37	21.55	0.143	36.99	-15.44
256-QAM	665.5	-1.50	1 / 12	20.94	17.29	0.054	34.77	-17.48	19.44	0.088	36.99	-17.55	
10 MHz	π/2 BPSK	668.0	-1.50	1 / 0	25.68	22.03	0.160	34.77	-12.74	24.18	0.262	36.99	-12.81
		680.5	-1.50	1 / 25	25.07	21.42	0.139	34.77	-13.36	23.57	0.227	36.99	-13.42
		693.0	-1.50	1 / 0	25.27	21.62	0.145	34.77	-13.15	23.77	0.238	36.99	-13.22
	QPSK	668.0	-1.50	1 / 49	25.26	21.61	0.145	34.77	-13.16	23.76	0.238	36.99	-13.22
		680.5	-1.50	1 / 49	25.31	21.66	0.147	34.77	-13.11	23.81	0.241	36.99	-13.17
		693.0	-1.50	1 / 0	25.43	21.78	0.151	34.77	-12.99	23.93	0.247	36.99	-13.06
	16-QAM	693.0	-1.50	1 / 25	24.79	21.14	0.130	34.77	-13.63	23.29	0.213	36.99	-13.70
	64-QAM	668.0	-1.50	1 / 25	23.08	19.43	0.088	34.77	-15.35	21.58	0.144	36.99	-15.41
256-QAM	668.0	-1.50	1 / 25	20.68	17.03	0.050	34.77	-17.75	19.18	0.083	36.99	-17.81	
15 MHz	π/2 BPSK	670.5	-1.50	1 / 0	25.31	21.66	0.146	34.77	-13.11	23.81	0.240	36.99	-13.18
		680.5	-1.50	1 / 0	25.33	21.68	0.147	34.77	-13.09	23.83	0.242	36.99	-13.16
		690.5	-1.50	1 / 74	24.99	21.34	0.136	34.77	-13.43	23.49	0.223	36.99	-13.50
	QPSK	670.5	-1.50	1 / 74	25.29	21.64	0.146	34.77	-13.13	23.79	0.239	36.99	-13.20
		680.5	-1.50	1 / 0	25.16	21.51	0.142	34.77	-13.26	23.66	0.232	36.99	-13.33
		690.5	-1.50	1 / 0	25.33	21.68	0.147	34.77	-13.09	23.83	0.241	36.99	-13.16
	16-QAM	670.5	-1.50	1 / 37	24.62	20.97	0.125	34.77	-13.80	23.12	0.205	36.99	-13.87
	64-QAM	670.5	-1.50	1 / 0	23.44	19.79	0.095	34.77	-14.98	21.94	0.156	36.99	-15.05
256-QAM	680.5	-1.50	1 / 0	21.02	17.37	0.055	34.77	-17.40	19.52	0.089	36.99	-17.47	
20 MHz	π/2 BPSK	673.0	-1.50	1 / 0	25.16	21.51	0.142	34.77	-13.26	23.66	0.232	36.99	-13.33
		680.5	-1.50	1 / 50	25.27	21.62	0.145	34.77	-13.15	23.77	0.238	36.99	-13.22
		688.0	-1.50	1 / 0	25.22	21.57	0.143	34.77	-13.20	23.72	0.235	36.99	-13.27
	QPSK	673.0	-1.50	1 / 50	25.39	21.74	0.149	34.77	-13.03	23.89	0.245	36.99	-13.10
		680.5	-1.50	1 / 0	25.12	21.47	0.140	34.77	-13.30	23.62	0.230	36.99	-13.37
		688.0	-1.50	1 / 0	25.14	21.49	0.141	34.77	-13.28	23.64	0.231	36.99	-13.35
	16-QAM	688.0	-1.50	1 / 0	24.54	20.89	0.123	34.77	-13.88	23.04	0.201	36.99	-13.95
	64-QAM	673.0	-1.50	1 / 50	23.39	19.74	0.094	34.77	-15.03	21.89	0.154	36.99	-15.10
256-QAM	673.0	-1.50	1 / 0	20.94	17.29	0.054	34.77	-17.48	19.44	0.088	36.99	-17.55	


Table 7-24. Antenna 3 ERP/EIRP Data (NR Band n71)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 276 of 334

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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	701.5	-1.50	1 / 1	25.40	21.75	0.150	34.77	-13.02	23.90	0.246	36.99	-13.09
		707.5	-1.50	1 / 23	25.26	21.61	0.145	34.77	-13.16	23.76	0.238	36.99	-13.23
		713.5	-1.50	1 / 23	24.55	20.90	0.123	34.77	-13.87	23.05	0.202	36.99	-13.93
	QPSK	701.5	-1.50	1 / 23	25.45	21.80	0.151	34.77	-12.98	23.95	0.248	36.99	-13.04
		707.5	-1.50	1 / 12	25.10	21.45	0.140	34.77	-13.32	23.60	0.229	36.99	-13.39
		713.5	-1.50	1 / 12	24.79	21.14	0.130	34.77	-13.64	23.29	0.213	36.99	-13.70
	16-QAM	707.5	-1.50	1 / 12	24.32	20.67	0.117	34.77	-14.11	22.82	0.191	36.99	-14.17
10 MHz	$\pi/2$ BPSK	701.5	-1.50	1 / 23	22.89	19.24	0.084	34.77	-15.53	21.39	0.138	36.99	-15.60
		707.5	-1.50	1 / 12	20.72	17.07	0.051	34.77	-17.70	19.22	0.084	36.99	-17.77
		713.5	-1.50	1 / 26	25.14	21.49	0.141	34.77	-13.28	23.64	0.231	36.99	-13.35
	QPSK	707.5	-1.50	1 / 26	25.29	21.64	0.146	34.77	-13.13	23.79	0.240	36.99	-13.20
		711.0	-1.50	1 / 1	25.13	21.48	0.141	34.77	-13.29	23.63	0.231	36.99	-13.36
		704.0	-1.50	1 / 26	25.07	21.42	0.139	34.77	-13.35	23.57	0.228	36.99	-13.41
	16-QAM	707.5	-1.50	1 / 26	24.74	21.09	0.128	34.77	-13.69	23.24	0.211	36.99	-13.75
15 MHz	$\pi/2$ BPSK	711.0	-1.50	1 / 50	24.69	21.04	0.127	34.77	-13.73	23.19	0.208	36.99	-13.80
		704.0	-1.50	1 / 26	24.55	20.90	0.123	34.77	-13.87	23.05	0.202	36.99	-13.94
		707.5	-1.50	1 / 26	22.96	19.31	0.085	34.77	-15.46	21.46	0.140	36.99	-15.53
	QPSK	704.0	-1.50	1 / 1	20.65	17.00	0.050	34.77	-17.77	19.15	0.082	36.99	-17.84
		706.5	-1.50	1 / 77	25.02	21.37	0.137	34.77	-13.40	23.52	0.225	36.99	-13.47
		707.5	-1.50	1 / 1	25.17	21.52	0.142	34.77	-13.25	23.67	0.233	36.99	-13.32
	16-QAM	708.5	-1.50	1 / 1	24.90	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
15 MHz	$\pi/2$ BPSK	706.5	-1.50	1 / 39	25.37	21.72	0.149	34.77	-13.05	23.87	0.244	36.99	-13.12
		707.5	-1.50	1 / 1	25.06	21.41	0.138	34.77	-13.36	23.56	0.227	36.99	-13.43
		708.5	-1.50	1 / 39	25.12	21.47	0.140	34.77	-13.30	23.62	0.230	36.99	-13.37
	QPSK	707.5	-1.50	1 / 1	24.54	20.89	0.123	34.77	-13.88	23.04	0.201	36.99	-13.95
		706.5	-1.50	1 / 1	22.94	19.29	0.085	34.77	-15.48	21.44	0.139	36.99	-15.55
		706.5	-1.50	1 / 1	21.04	17.39	0.055	34.77	-17.38	19.54	0.090	36.99	-17.45
	16-QAM	706.5	-1.50	1 / 1	21.04	17.39	0.055	34.77	-17.38	19.54	0.090	36.99	-17.45


Table 7-25. Antenna 3 ERP/EIRP Data (NR Band n12)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 277 of 334

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	1.70	1 / 0	23.49	25.19	0.330	30.00	-4.81
		1745.0	1.70	1 / 24	23.36	25.06	0.321	30.00	-4.94
		1777.5	1.70	1 / 24	23.79	25.49	0.354	30.00	-4.51
	QPSK	1712.5	1.70	1 / 24	23.68	25.38	0.345	30.00	-4.62
		1745.0	1.70	1 / 24	23.57	25.27	0.337	30.00	-4.73
		1777.5	1.70	1 / 24	23.66	25.36	0.343	30.00	-4.64
	16-QAM	1777.5	1.70	1 / 12	22.96	24.66	0.292	30.00	-5.34
	64-QAM	1777.5	1.70	1 / 24	21.37	23.07	0.203	30.00	-6.93
	256-QAM	1777.5	1.70	1 / 0	19.19	20.89	0.123	30.00	-9.11
10 MHz	π/2 BPSK	1715.0	1.70	1 / 0	23.86	25.56	0.360	30.00	-4.44
		1745.0	1.70	1 / 49	23.67	25.37	0.344	30.00	-4.63
		1775.0	1.70	1 / 25	23.53	25.23	0.334	30.00	-4.77
	QPSK	1715.0	1.70	1 / 0	23.50	25.20	0.331	30.00	-4.80
		1745.0	1.70	1 / 49	23.63	25.33	0.341	30.00	-4.67
		1775.0	1.70	1 / 49	23.53	25.23	0.333	30.00	-4.77
	16-QAM	1775.0	1.70	1 / 49	22.91	24.61	0.289	30.00	-5.39
	64-QAM	1745.0	1.70	1 / 0	21.30	23.00	0.200	30.00	-7.00
	256-QAM	1775.0	1.70	1 / 25	19.13	20.83	0.121	30.00	-9.17
15 MHz	π/2 BPSK	1717.5	1.70	1 / 0	23.84	25.54	0.358	30.00	-4.46
		1745.0	1.70	1 / 0	23.73	25.43	0.349	30.00	-4.57
		1772.5	1.70	1 / 74	24.02	25.72	0.373	30.00	-4.28
	QPSK	1717.5	1.70	1 / 74	23.81	25.51	0.355	30.00	-4.49
		1745.0	1.70	1 / 74	23.58	25.28	0.338	30.00	-4.72
		1772.5	1.70	1 / 0	23.76	25.46	0.351	30.00	-4.54
	16-QAM	1745.0	1.70	1 / 37	23.25	24.95	0.313	30.00	-5.05
	64-QAM	1745.0	1.70	1 / 37	21.31	23.01	0.200	30.00	-6.99
	256-QAM	1772.5	1.70	1 / 74	19.37	21.07	0.128	30.00	-8.93
20 MHz	π/2 BPSK	1720.0	1.70	1 / 0	23.74	25.44	0.350	30.00	-4.56
		1745.0	1.70	1 / 99	23.62	25.32	0.340	30.00	-4.68
		1770.0	1.70	1 / 99	23.44	25.14	0.327	30.00	-4.86
	QPSK	1720.0	1.70	1 / 0	23.91	25.61	0.364	30.00	-4.39
		1745.0	1.70	1 / 0	23.68	25.38	0.345	30.00	-4.62
		1770.0	1.70	1 / 99	23.69	25.39	0.346	30.00	-4.61
	16-QAM	1745.0	1.70	1 / 0	23.11	24.81	0.303	30.00	-5.19
	64-QAM	1720.0	1.70	1 / 0	21.42	23.12	0.205	30.00	-6.88
	256-QAM	1745.0	1.70	1 / 99	19.56	21.26	0.134	30.00	-8.74
30 MHz	π/2 BPSK	1725.0	1.70	1 / 50	23.66	25.36	0.343	30.00	-4.64
		1745.0	1.70	1 / 0	23.66	25.36	0.344	30.00	-4.64
		1765.0	1.70	1 / 50	23.77	25.47	0.352	30.00	-4.53
	QPSK	1725.0	1.70	1 / 99	23.74	25.44	0.350	30.00	-4.56
		1745.0	1.70	1 / 0	23.65	25.35	0.343	30.00	-4.65
		1765.0	1.70	1 / 99	23.73	25.43	0.349	30.00	-4.57
	16-QAM	1765.0	1.70	1 / 99	23.25	24.95	0.313	30.00	-5.05
	64-QAM	1725.0	1.70	1 / 99	21.70	23.40	0.219	30.00	-6.60
	256-QAM	1745.0	1.70	1 / 0	19.97	21.67	0.147	30.00	-8.33
40 MHz	π/2 BPSK	1730.0	1.70	1 / 50	23.58	25.28	0.337	30.00	-4.72
		1745.0	1.70	1 / 99	23.60	25.30	0.339	30.00	-4.70
		1760.0	1.70	1 / 0	23.91	25.61	0.364	30.00	-4.39
	QPSK	1730.0	1.70	1 / 99	24.15	25.85	0.385	30.00	-4.15
		1745.0	1.70	1 / 99	23.95	25.65	0.368	30.00	-4.35
		1760.0	1.70	1 / 50	23.81	25.51	0.356	30.00	-4.49
	16-QAM	1745.0	1.70	1 / 99	23.03	24.73	0.297	30.00	-5.27
	64-QAM	1745.0	1.70	1 / 0	21.57	23.27	0.212	30.00	-6.73
	256-QAM	1745.0	1.70	1 / 0	19.35	21.05	0.127	30.00	-8.95


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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 278 of 334

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	$\pi/2$ BPSK	1697.5	1.70	1 / 12	25.17	26.87	0.487	30.00	-3.13
		1702.5	1.70	1 / 0	25.19	26.89	0.488	30.00	-3.11
		1707.5	1.70	1 / 0	25.20	26.90	0.490	30.00	-3.10
	QPSK	1697.5	1.70	1 / 0	25.08	26.78	0.476	30.00	-3.22
		1702.5	1.70	1 / 12	25.09	26.79	0.478	30.00	-3.21
		1707.5	1.70	1 / 24	25.05	26.75	0.473	30.00	-3.25
	16-QAM	1702.5	1.70	1 / 12	24.55	26.25	0.422	30.00	-3.75
	64-QAM	1702.5	1.70	1 / 12	22.97	24.67	0.293	30.00	-5.33
	256-QAM	1697.5	1.70	1 / 0	21.19	22.89	0.195	30.00	-7.11
10 MHz	$\pi/2$ BPSK	1700.0	1.70	1 / 49	25.20	26.90	0.490	30.00	-3.10
		1702.5	1.70	1 / 0	25.07	26.77	0.476	30.00	-3.23
		1705.0	1.70	1 / 49	25.02	26.72	0.469	30.00	-3.28
	QPSK	1700.0	1.70	1 / 49	25.00	26.70	0.467	30.00	-3.30
		1702.5	1.70	1 / 49	25.05	26.75	0.473	30.00	-3.25
		1705.0	1.70	1 / 49	25.19	26.89	0.489	30.00	-3.11
	16-QAM	1705.0	1.70	1 / 49	25.15	26.85	0.484	30.00	-3.15
	64-QAM	1702.5	1.70	1 / 0	22.95	24.65	0.292	30.00	-5.35
	256-QAM	1705.0	1.70	1 / 49	21.03	22.73	0.188	30.00	-7.27
15 MHz	$\pi/2$ BPSK	1702.5	1.70	1 / 0	24.84	26.54	0.451	30.00	-3.46
	QPSK	1702.5	1.70	1 / 0	24.78	26.48	0.445	30.00	-3.52
	16-QAM	1702.5	1.70	1 / 0	23.93	25.63	0.366	30.00	-4.37
	64-QAM	1702.5	1.70	1 / 37	22.32	24.02	0.253	30.00	-5.98
	256-QAM	1702.5	1.70	1 / 74	19.95	21.65	0.146	30.00	-8.35


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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 279 of 334

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.20	1.70	26.90	0.490	30.00	-3.10
1732.60	WCDMA1700	25.15	1.70	26.85	0.484	30.00	-3.15
1752.60	WCDMA1700	25.19	1.70	26.89	0.489	30.00	-3.11

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


FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 280 of 334

7.6.4 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	-1.10	1 / 3	25.04	23.94	0.248	30.00	-6.06
		1745.0	-1.10	1 / 3	25.12	24.02	0.252	30.00	-5.98
		1779.3	-1.10	1 / 3	25.20	24.10	0.257	30.00	-5.90
	16-QAM	1710.7	-1.10	1 / 5	24.42	23.32	0.215	30.00	-6.68
	64-QAM	1779.3	-1.10	1 / 3	23.49	22.39	0.173	30.00	-7.61
	256-QAM	1745.0	-1.10	1 / 5	20.62	19.52	0.090	30.00	-10.48
3 MHz	QPSK	1711.5	-1.10	1 / 7	25.11	24.01	0.252	30.00	-5.99
		1745.0	-1.10	1 / 7	25.20	24.10	0.257	30.00	-5.90
		1778.5	-1.10	1 / 7	25.07	23.97	0.249	30.00	-6.03
	16-QAM	1711.5	-1.10	1 / 7	24.43	23.33	0.215	30.00	-6.67
	64-QAM	1711.5	-1.10	1 / 7	23.62	22.52	0.179	30.00	-7.48
	256-QAM	1711.5	-1.10	1 / 0	20.35	19.25	0.084	30.00	-10.75
5 MHz	QPSK	1712.5	-1.10	1 / 12	25.20	24.10	0.257	30.00	-5.90
		1745.0	-1.10	1 / 12	24.96	23.86	0.243	30.00	-6.14
		1777.5	-1.10	1 / 12	24.91	23.81	0.240	30.00	-6.19
	16-QAM	1712.5	-1.10	1 / 12	24.22	23.12	0.205	30.00	-6.88
	64-QAM	1777.5	-1.10	1 / 12	23.20	22.10	0.162	30.00	-7.90
	256-QAM	1712.5	-1.10	1 / 12	20.11	19.01	0.080	30.00	-10.99
10 MHz	QPSK	1715.0	-1.10	1 / 25	25.15	24.05	0.254	30.00	-5.95
		1745.0	-1.10	1 / 0	25.20	24.10	0.257	30.00	-5.90
		1775.0	-1.10	1 / 25	25.07	23.97	0.249	30.00	-6.03
	16-QAM	1715.0	-1.10	1 / 25	24.43	23.33	0.215	30.00	-6.67
	64-QAM	1715.0	-1.10	1 / 25	23.46	22.36	0.172	30.00	-7.64
	256-QAM	1745.0	-1.10	1 / 0	20.44	19.34	0.086	30.00	-10.66
15 MHz	QPSK	1717.5	-1.10	1 / 37	25.20	24.10	0.257	30.00	-5.90
		1745.0	-1.10	1 / 37	25.19	24.09	0.256	30.00	-5.91
		1772.5	-1.10	1 / 37	25.04	23.94	0.248	30.00	-6.06
	16-QAM	1717.5	-1.10	1 / 37	24.35	23.25	0.211	30.00	-6.75
	64-QAM	1717.5	-1.10	1 / 37	23.45	22.35	0.172	30.00	-7.65
	256-QAM	1717.5	-1.10	1 / 37	20.22	19.12	0.082	30.00	-10.88
20 MHz	QPSK	1720.0	-1.10	1 / 50	25.20	24.10	0.257	30.00	-5.90
		1745.0	-1.10	1 / 50	25.07	23.97	0.249	30.00	-6.03
		1770.0	-1.10	1 / 50	24.83	23.73	0.236	30.00	-6.27
	16-QAM	1745.0	-1.10	1 / 0	24.31	23.21	0.209	30.00	-6.79
	64-QAM	1720.0	-1.10	1 / 50	23.47	22.37	0.173	30.00	-7.63
	256-QAM	1720.0	-1.10	1 / 50	20.30	19.20	0.083	30.00	-10.80


Table 7-29. Antenna 2b EIRP Data (LTE Band 66)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 281 of 334

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	-1.10	1 / 3	25.19	24.09	0.256	30.00	-5.91
		1732.5	-1.10	1 / 0	25.20	24.10	0.257	30.00	-5.90
		1754.3	-1.10	1 / 3	25.17	24.07	0.255	30.00	-5.93
	16-QAM	1710.7	-1.10	1 / 3	24.24	23.14	0.206	30.00	-6.86
	64-QAM	1732.5	-1.10	1 / 3	23.40	22.30	0.170	30.00	-7.70
	256-QAM	1732.5	-1.10	1 / 3	20.35	19.25	0.084	30.00	-10.75
3 MHz	QPSK	1711.5	-1.10	1 / 7	25.16	24.06	0.255	30.00	-5.94
		1732.5	-1.10	1 / 7	25.20	24.10	0.257	30.00	-5.90
		1753.5	-1.10	1 / 7	25.03	23.93	0.247	30.00	-6.07
	16-QAM	1711.5	-1.10	1 / 7	24.34	23.24	0.211	30.00	-6.76
	64-QAM	1732.5	-1.10	1 / 7	23.57	22.47	0.177	30.00	-7.53
	256-QAM	1711.5	-1.10	1 / 7	20.48	19.38	0.087	30.00	-10.62
5 MHz	QPSK	1712.5	-1.10	1 / 12	25.20	24.10	0.257	30.00	-5.90
		1732.5	-1.10	1 / 12	25.18	24.08	0.256	30.00	-5.92
		1752.5	-1.10	1 / 12	25.05	23.95	0.248	30.00	-6.05
	16-QAM	1732.5	-1.10	1 / 0	24.31	23.21	0.209	30.00	-6.79
	64-QAM	1732.5	-1.10	1 / 12	23.45	22.35	0.172	30.00	-7.65
	256-QAM	1712.5	-1.10	1 / 0	20.42	19.32	0.086	30.00	-10.68
10 MHz	QPSK	1715.0	-1.10	1 / 0	25.11	24.01	0.252	30.00	-5.99
		1732.5	-1.10	1 / 25	25.20	24.10	0.257	30.00	-5.90
		1750.0	-1.10	1 / 25	25.01	23.91	0.246	30.00	-6.09
	16-QAM	1715.0	-1.10	1 / 0	24.34	23.24	0.211	30.00	-6.76
	64-QAM	1732.5	-1.10	1 / 25	23.37	22.27	0.169	30.00	-7.73
	256-QAM	1715.0	-1.10	1 / 25	20.50	19.40	0.087	30.00	-10.60
15 MHz	QPSK	1717.5	-1.10	1 / 37	25.20	24.10	0.257	30.00	-5.90
		1732.5	-1.10	1 / 37	25.11	24.01	0.252	30.00	-5.99
		1747.5	-1.10	1 / 37	25.03	23.93	0.247	30.00	-6.07
	16-QAM	1717.5	-1.10	1 / 37	24.36	23.26	0.212	30.00	-6.74
	64-QAM	1732.5	-1.10	1 / 37	23.40	22.30	0.170	30.00	-7.70
	256-QAM	1732.5	-1.10	1 / 37	20.32	19.22	0.084	30.00	-10.78
20 MHz	QPSK	1720.0	-1.10	1 / 50	24.86	23.76	0.238	30.00	-6.24
		1732.5	-1.10	1 / 50	25.20	24.10	0.257	30.00	-5.90
		1745.0	-1.10	1 / 50	25.11	24.01	0.252	30.00	-5.99
	16-QAM	1745.0	-1.10	1 / 50	24.66	23.56	0.227	30.00	-6.44
	64-QAM	1720.0	-1.10	1 / 50	23.42	22.32	0.171	30.00	-7.68
	256-QAM	1745.0	-1.10	1 / 50	20.25	19.15	0.082	30.00	-10.85


Table 7-30. Antenna 2b EIRP Data (LTE Band 4)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 282 of 334

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	-1.10	1 / 24	24.60	23.50	0.224	30.00	-6.50
		1745.0	-1.10	1 / 0	24.85	23.75	0.237	30.00	-6.25
		1777.5	-1.10	1 / 24	24.60	23.50	0.224	30.00	-6.50
	QPSK	1712.5	-1.10	1 / 12	24.57	23.47	0.222	30.00	-6.53
		1745.0	-1.10	1 / 0	24.79	23.69	0.234	30.00	-6.31
		1777.5	-1.10	1 / 24	24.79	23.69	0.234	30.00	-6.31
	16-QAM	1777.5	-1.10	1 / 24	23.88	22.78	0.190	30.00	-7.22
	64-QAM	1745.0	-1.10	1 / 24	22.53	21.43	0.139	30.00	-8.57
	256-QAM	1777.5	-1.10	1 / 0	20.07	18.97	0.079	30.00	-11.03
10 MHz	π/2 BPSK	1715.0	-1.10	1 / 49	24.50	23.40	0.219	30.00	-6.60
		1745.0	-1.10	1 / 25	24.83	23.73	0.236	30.00	-6.27
		1775.0	-1.10	1 / 0	24.61	23.51	0.224	30.00	-6.49
	QPSK	1715.0	-1.10	1 / 25	24.67	23.57	0.228	30.00	-6.43
		1745.0	-1.10	1 / 49	24.70	23.60	0.229	30.00	-6.40
		1775.0	-1.10	1 / 25	24.70	23.60	0.229	30.00	-6.40
	16-QAM	1745.0	-1.10	1 / 25	23.84	22.74	0.188	30.00	-7.26
	64-QAM	1715.0	-1.10	1 / 25	22.18	21.08	0.128	30.00	-8.92
	256-QAM	1745.0	-1.10	1 / 49	20.43	19.33	0.086	30.00	-10.67
15 MHz	π/2 BPSK	1717.5	-1.10	1 / 0	24.88	23.78	0.239	30.00	-6.22
		1745.0	-1.10	1 / 74	25.00	23.90	0.245	30.00	-6.10
		1772.5	-1.10	1 / 0	24.45	23.35	0.216	30.00	-6.65
	QPSK	1717.5	-1.10	1 / 37	24.72	23.62	0.230	30.00	-6.38
		1745.0	-1.10	1 / 74	25.06	23.96	0.249	30.00	-6.04
		1772.5	-1.10	1 / 74	24.92	23.82	0.241	30.00	-6.18
	16-QAM	1772.5	-1.10	1 / 0	24.20	23.10	0.204	30.00	-6.90
	64-QAM	1745.0	-1.10	1 / 0	22.55	21.45	0.139	30.00	-8.55
	256-QAM	1772.5	-1.10	1 / 37	20.57	19.47	0.089	30.00	-10.53
20 MHz	π/2 BPSK	1720.0	-1.10	1 / 50	24.62	23.52	0.225	30.00	-6.48
		1745.0	-1.10	1 / 99	24.82	23.72	0.236	30.00	-6.28
		1770.0	-1.10	1 / 99	24.96	23.86	0.243	30.00	-6.14
	QPSK	1720.0	-1.10	1 / 0	24.50	23.40	0.219	30.00	-6.60
		1745.0	-1.10	1 / 99	24.72	23.62	0.230	30.00	-6.38
		1770.0	-1.10	1 / 99	24.92	23.82	0.241	30.00	-6.18
	16-QAM	1770.0	-1.10	1 / 0	24.15	23.05	0.202	30.00	-6.95
	64-QAM	1770.0	-1.10	1 / 0	22.59	21.49	0.141	30.00	-8.51
	256-QAM	1745.0	-1.10	1 / 50	20.54	19.44	0.088	30.00	-10.56
30 MHz	π/2 BPSK	1725.0	-1.10	1 / 99	24.80	23.70	0.235	30.00	-6.30
		1745.0	-1.10	1 / 0	24.74	23.64	0.231	30.00	-6.36
		1765.0	-1.10	1 / 50	24.71	23.61	0.229	30.00	-6.39
	QPSK	1725.0	-1.10	1 / 99	24.91	23.81	0.241	30.00	-6.19
		1745.0	-1.10	1 / 50	25.05	23.95	0.249	30.00	-6.05
		1765.0	-1.10	1 / 50	24.94	23.84	0.242	30.00	-6.16
	16-QAM	1725.0	-1.10	1 / 99	24.09	22.99	0.199	30.00	-7.01
	64-QAM	1765.0	-1.10	1 / 50	22.53	21.43	0.139	30.00	-8.57
	256-QAM	1725.0	-1.10	1 / 0	20.32	19.22	0.084	30.00	-10.78
40 MHz	π/2 BPSK	1730.0	-1.10	1 / 99	25.18	24.08	0.256	30.00	-5.92
		1745.0	-1.10	1 / 50	24.78	23.68	0.233	30.00	-6.32
		1760.0	-1.10	1 / 50	25.12	24.02	0.252	30.00	-5.98
	QPSK	1730.0	-1.10	1 / 50	24.90	23.80	0.240	30.00	-6.20
		1745.0	-1.10	1 / 99	24.71	23.61	0.229	30.00	-6.39
		1760.0	-1.10	1 / 99	25.04	23.94	0.248	30.00	-6.06
	16-QAM	1730.0	-1.10	1 / 99	24.16	23.06	0.202	30.00	-6.94
	64-QAM	1745.0	-1.10	1 / 0	22.60	21.50	0.141	30.00	-8.50
	256-QAM	1760.0	-1.10	1 / 50	20.53	19.43	0.088	30.00	-10.57


Table 7-31. Antenna 2b EIRP Data (NR Band n66)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 283 of 334

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	$\pi/2$ BPSK	1697.5	-1.10	1 / 24	24.95	23.85	0.243	30.00	-6.15
		1702.5	-1.10	1 / 24	24.71	23.61	0.230	30.00	-6.39
		1707.5	-1.10	1 / 12	24.86	23.76	0.238	30.00	-6.24
	QPSK	1697.5	-1.10	1 / 12	24.69	23.59	0.228	30.00	-6.41
		1702.5	-1.10	1 / 12	24.71	23.61	0.230	30.00	-6.39
		1707.5	-1.10	1 / 12	24.77	23.67	0.233	30.00	-6.33
	16-QAM	1697.5	-1.10	1 / 0	23.90	22.80	0.190	30.00	-7.20
	64-QAM	1697.5	-1.10	1 / 12	22.34	21.24	0.133	30.00	-8.76
	256-QAM	1697.5	-1.10	1 / 12	20.39	19.29	0.085	30.00	-10.71
10 MHz	$\pi/2$ BPSK	1700.0	-1.10	1 / 0	24.74	23.64	0.231	30.00	-6.36
		1702.5	-1.10	1 / 0	24.94	23.84	0.242	30.00	-6.16
		1705.0	-1.10	1 / 49	24.57	23.47	0.222	30.00	-6.53
	QPSK	1700.0	-1.10	1 / 25	24.48	23.38	0.218	30.00	-6.62
		1702.5	-1.10	1 / 49	24.72	23.62	0.230	30.00	-6.38
		1705.0	-1.10	1 / 25	24.72	23.62	0.230	30.00	-6.38
	16-QAM	1700.0	-1.10	1 / 0	24.03	22.93	0.196	30.00	-7.07
	64-QAM	1705.0	-1.10	1 / 25	22.42	21.32	0.136	30.00	-8.68
	256-QAM	1705.0	-1.10	1 / 49	20.05	18.95	0.079	30.00	-11.05
15 MHz	$\pi/2$ BPSK	1702.5	-1.10	1 / 74	24.85	23.75	0.237	30.00	-6.25
	QPSK	1702.5	-1.10	1 / 37	24.76	23.66	0.232	30.00	-6.34
	16-QAM	1702.5	-1.10	1 / 0	23.80	22.70	0.186	30.00	-7.30
	64-QAM	1702.5	-1.10	1 / 74	22.12	21.02	0.126	30.00	-8.98
	256-QAM	1702.5	-1.10	1 / 37	20.29	19.19	0.083	30.00	-10.81


Table 7-32. Antenna 2b EIRP Data (NR Band n70)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 284 of 334

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	22.62	-1.10	21.52	0.142	30.00	-8.48
1732.60	WCDMA1700	22.65	-1.10	21.55	0.143	30.00	-8.45
1752.60	WCDMA1700	22.64	-1.10	21.54	0.143	30.00	-8.46

Table 7-33. Antenna 2b EIRP Data (WCDMA AWS)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 285 of 334

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 $\geq 3 \times$ 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

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 286 of 334

Test Setup

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

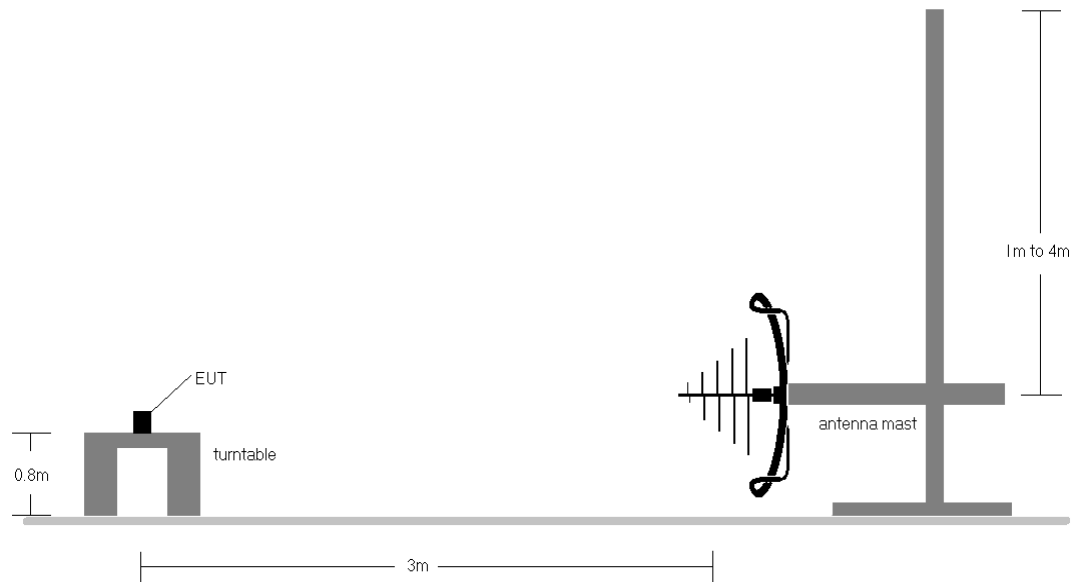


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

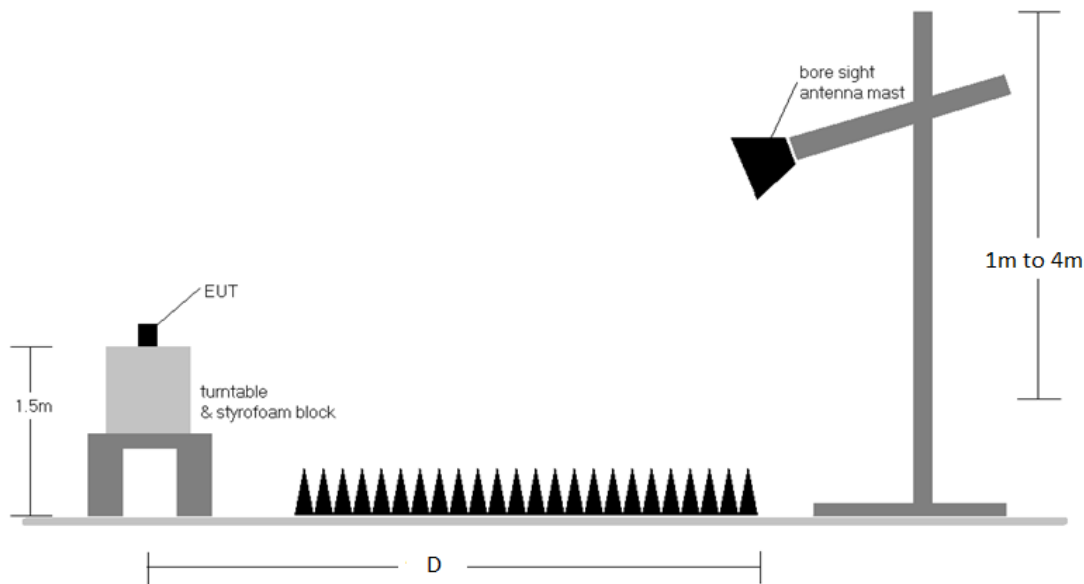




Figure 7-7. Test Instrument & Measurement Setup > 1GHz

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 287 of 334

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 EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
6. 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.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
9. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 288 of 334

7.7.1 Antenna 4b – Radiated Spurious Emission Measurement

LTE Band 66/4

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	H	248	71	-77.63	4.93	34.30	-60.96	-13.00	-47.96
5160.0	H	266	106	-72.23	7.51	42.28	-52.98	-13.00	-39.98
6880.0	H	-	-	-79.87	10.24	37.37	-57.89	-13.00	-44.89
8600.0	H	-	-	-81.06	11.53	37.47	-57.79	-13.00	-44.79
10320.0	H	-	-	-81.95	14.24	39.29	-55.97	-13.00	-42.97

Table 7-34. Antenna 4b 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	H	298	76	-78.47	5.40	33.93	-61.33	-13.00	-48.33
5235.0	H	316	111	-69.49	7.36	44.87	-50.38	-13.00	-37.38
6980.0	H	-	-	-80.04	9.92	36.88	-58.38	-13.00	-45.38
8725.0	H	-	-	-81.00	11.60	37.60	-57.65	-13.00	-44.65
10470.0	H	-	-	-82.05	15.01	39.96	-55.29	-13.00	-42.29

Table 7-35. Antenna 4b 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	H	171	120	-77.22	5.64	35.42	-59.84	-13.00	-46.84
5310.0	H	271	103	-69.20	7.58	45.38	-49.88	-13.00	-36.88
7080.0	H	-	-	-80.26	10.37	37.11	-58.15	-13.00	-45.15
8850.0	H	-	-	-80.83	12.19	38.36	-56.89	-13.00	-43.89
10620.0	H	-	-	-81.60	15.13	40.53	-54.73	-13.00	-41.73

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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 289 of 334

NR Band n66

Bandwidth (MHz):	40								
Frequency (MHz):	1730.0								
RB / Offset:	1 / 108								
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]
3460.0	H	-	-	-76.68	2.28	32.60	-62.66	-13.00	-49.66
5190.0	H	-	-	-78.17	5.20	34.03	-61.23	-13.00	-48.23
6920.0	H	-	-	-79.64	8.49	35.85	-59.41	-13.00	-46.41
8650.0	H	-	-	-81.80	10.22	35.42	-59.84	-13.00	-46.84


Table 7-37. Antenna 4b Radiated Spurious Data (NR Band n66 – Low Channel)

Bandwidth (MHz):	40								
Frequency (MHz):	1745.0								
RB / Offset:	1 / 108								
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	H	-	-	-76.96	2.30	32.34	-62.92	-13.00	-49.92
5235.0	H	-	-	-78.03	4.97	33.94	-61.31	-13.00	-48.31
6980.0	H	-	-	-79.18	8.23	36.05	-59.20	-13.00	-46.20
8725.0	H	-	-	-81.64	10.53	35.89	-59.37	-13.00	-46.37

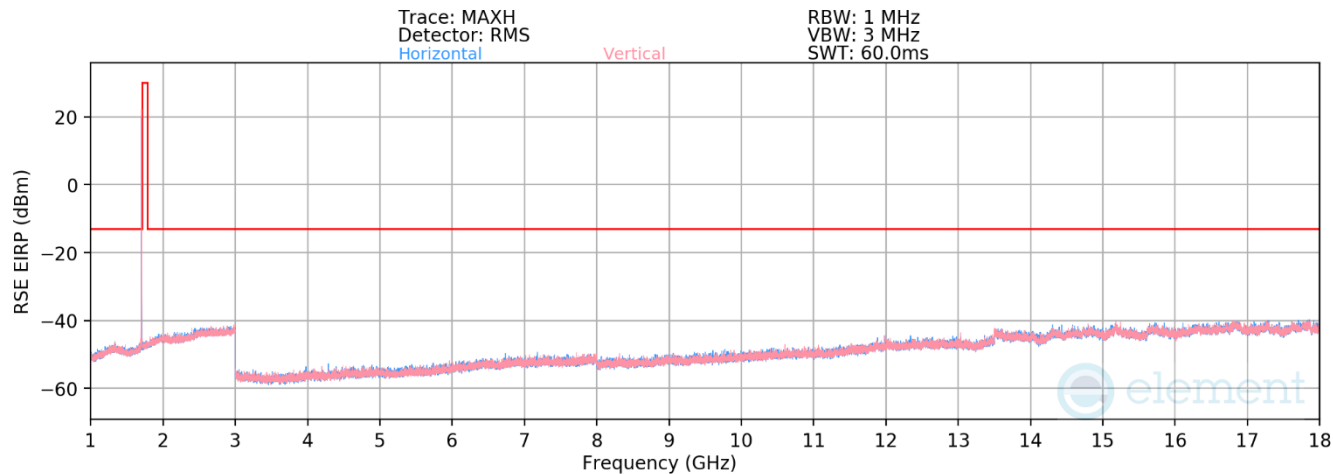
Table 7-38. Antenna 4b Radiated Spurious Data (NR Band n66 – Mid Channel)

Bandwidth (MHz):	40								
Frequency (MHz):	1760.0								
RB / Offset:	1 / 108								
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]
3520.0	H	-	-	-77.05	2.58	32.53	-62.73	-13.00	-49.73
5280.0	H	-	-	-77.68	4.57	33.89	-61.36	-13.00	-48.36
7040.0	H	-	-	-79.00	7.81	35.81	-59.44	-13.00	-46.44
8800.0	H	-	-	-81.17	10.33	36.16	-59.10	-13.00	-46.10


Table 7-39. Antenna 4b Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 290 of 334

NR Band n70



Plot 7-445. Antenna 4b Radiated Spurious Emission above 1GHz (NR Band n70)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 291 of 334

Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1/25

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]
3400.0	H	-	-	-79.27	4.93	32.66	-62.60	-13.00	-49.60
5100.0	H	-	-	-80.36	7.70	34.34	-60.91	-13.00	-47.91
6800.0	H	-	-	-80.95	10.20	36.25	-59.01	-13.00	-46.01

Table 7-40. Antenna 4b Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1/37


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]
3405.0	H	-	-	-79.35	4.94	32.59	-62.67	-13.00	-49.67
5107.5	H	-	-	-80.24	7.75	34.51	-60.74	-13.00	-47.74
6810.0	H	-	-	-80.77	10.18	36.41	-58.85	-13.00	-45.85

Table 7-41. Antenna 4b Radiated Spurious Data (NR Band n70 – Low Channel)

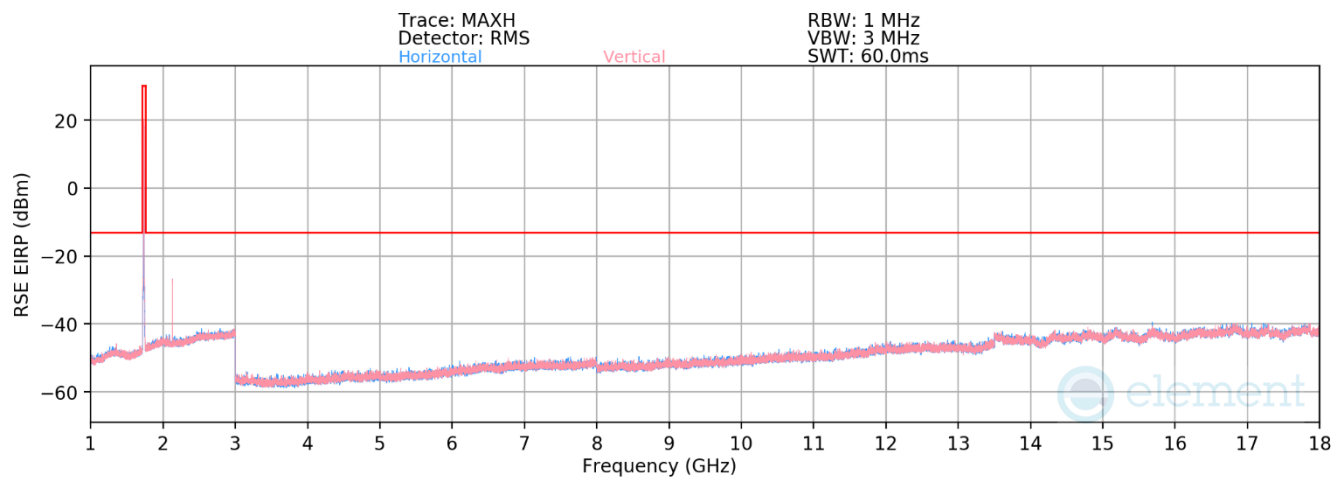
Bandwidth (MHz):	10
Frequency (MHz):	1705.0
RB / Offset:	1/25

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]
3410.0	H	-	-	-79.68	4.94	32.26	-62.99	-13.00	-49.99
5115.0	H	-	-	-80.57	7.78	34.21	-61.04	-13.00	-48.04
6820.0	H	-	-	-80.87	10.24	36.37	-58.88	-13.00	-45.88


Table 7-42. Antenna 4b Radiated Spurious Data (NR Band n70 – Low Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 292 of 334

WCDMA AWS



Plot 7-446. Antenna 4b Radiated Spurious Emission above 1GHz (WCDMA AWS)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 293 of 334

Mode:	WCDMA RMC								
Channel:	1312								
Frequency (MHz):	1712.4								
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]
3424.8	H	-	-	-78.94	4.93	32.99	-62.27	-13.00	-49.27
5137.2	H	-	-	-80.03	7.55	34.52	-60.74	-13.00	-47.74
6849.6	H	-	-	-80.27	10.19	36.92	-58.33	-13.00	-45.33


Table 7-43. Antenna 4b Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC								
Channel:	1413								
Frequency (MHz):	1732.6								
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]
3465.2	H	-	-	-79.15	5.29	33.14	-62.12	-13.00	-49.12
5197.8	H	-	-	-79.70	7.60	34.90	-60.36	-13.00	-47.36
6930.4	H	-	-	-80.15	10.23	37.08	-58.18	-13.00	-45.18

Table 7-44. Antenna 4b Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC								
Channel:	1513								
Frequency (MHz):	1752.6								
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]
3505.2	H	-	-	-79.38	5.40	33.02	-62.24	-13.00	-49.24
5257.8	H	-	-	-79.91	7.41	34.50	-60.76	-13.00	-47.76
7010.4	H	-	-	-80.16	10.00	36.84	-58.42	-13.00	-45.42

Table 7-45. Antenna 4b Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 294 of 334

7.7.2 Antenna 1 – Radiated Spurious Emission Measurement

LTE Band 71

Bandwidth (MHz):	20								
Frequency (MHz):	673.0								
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]
1346.0	V	-	-	-76.46	-1.18	29.36	-65.90	-13.00	-52.90
2019.0	V	-	-	-77.55	1.78	31.23	-64.03	-13.00	-51.03
2692.0	V	-	-	-78.44	3.60	32.16	-63.10	-13.00	-50.10


Table 7-46. Antenna 1 Radiated Spurious Data (LTE Band 71 – Low Channel)

Bandwidth (MHz):	20								
Frequency (MHz):	680.5								
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]
1361.0	V	-	-	-77.58	-1.34	28.08	-67.18	-13.00	-54.18
2041.5	V	-	-	-77.18	1.60	31.42	-63.84	-13.00	-50.84
2722.0	V	-	-	-78.51	3.87	32.36	-62.90	-13.00	-49.90

Table 7-47. Antenna 1 Radiated Spurious Data (LTE Band 71 – Mid Channel)

Bandwidth (MHz):	20								
Frequency (MHz):	688.0								
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]
1376.0	V	-	-	-76.50	-1.32	29.18	-66.07	-13.00	-53.07
2064.0	V	-	-	-77.53	1.73	31.20	-64.06	-13.00	-51.06
2752.0	V	-	-	-78.13	3.70	32.57	-62.69	-13.00	-49.69

Table 7-48. Antenna 1 Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 295 of 334

LTE Band 12/17

Bandwidth (MHz):	10
Frequency (MHz):	704.0
RB / Offset:	1 / 25

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]
1408.0	V	-	-	-77.06	-1.65	28.29	-66.97	-13.00	-53.97
2112.0	V	-	-	-77.79	1.70	30.91	-64.35	-13.00	-51.35
2816.0	V	-	-	-78.33	3.33	32.00	-63.26	-13.00	-50.26

Table 7-49. Antenna 1 Radiated Spurious Data (LTE Band 12/17 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25


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]
1415.0	V	-	-	-76.80	-1.60	28.60	-66.66	-13.00	-53.66
2122.5	V	-	-	-77.81	1.72	30.91	-64.35	-13.00	-51.35
2830.0	V	-	-	-78.14	3.24	32.10	-63.16	-13.00	-50.16

Table 7-50. Antenna 1 Radiated Spurious Data (LTE Band 12/17 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

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]
1422.0	V	-	-	-76.73	-1.54	28.73	-66.53	-13.00	-53.53
2133.0	V	-	-	-77.81	1.87	31.06	-64.20	-13.00	-51.20
2844.0	V	-	-	-78.09	3.07	31.98	-63.28	-13.00	-50.28

Table 7-51. Antenna 1 Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 296 of 334

LTE Band 13

Bandwidth (MHz):	10								
Frequency (MHz):	782.0								
RB / Offset:	2/25								
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]
1564.0	H	-	-	-66.26	-4.71	36.03	-59.23	-40.00	-19.23
2346.0	H	-	-	-67.15	-0.89	38.96	-56.29	-13.00	-43.29
3128.0	H	-	-	-68.56	1.33	39.77	-55.49	-13.00	-42.49


Table 7-52. Antenna 1 Radiated Spurious Data (LTE Band 13 – Low Channel)

Bandwidth (MHz):	10								
Frequency (MHz):	782.0								
RB / Offset:	1 / 25								
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]
1564.0	H	-	-	-77.53	-4.08	25.39	-69.87	-40.00	-29.87
2346.0	H	-	-	-78.13	0.56	29.43	-65.83	-13.00	-52.83
3128.0	H	-	-	-78.52	2.09	30.57	-64.69	-13.00	-51.69

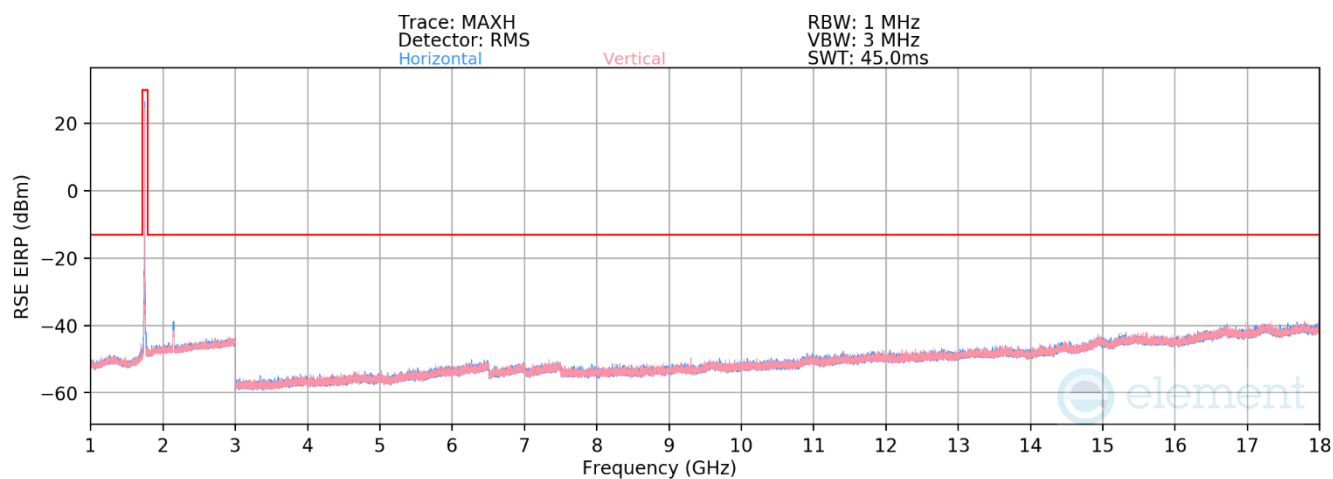
Table 7-53. Antenna 1 Radiated Spurious Data (LTE Band 13 – Mid Channel)

Bandwidth (MHz):	10								
Frequency (MHz):	782.0								
RB / Offset:	2/25								
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]
1564.0	H	-	-	-66.28	-4.71	36.01	-59.25	-40.00	-19.25
2346.0	H	-	-	-67.40	-0.89	38.71	-56.54	-13.00	-43.54
3128.0	H	-	-	-68.26	1.33	40.07	-55.19	-13.00	-42.19


Table 7-54. Antenna 1 Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 297 of 334

LTE Band 66/4



Plot 7-447. Antenna 1 Radiated Spurious Emission above 1GHz (LTE Band 66/4)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 298 of 334

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	H	-	-	-78.42	2.63	31.21	-64.05	-13.00	-51.05
5160.0	H	263	164	-78.10	5.19	34.09	-61.17	-13.00	-48.17
6880.0	H	-	-	-80.65	8.19	34.54	-60.72	-13.00	-47.72
8600.0	H	-	-	-80.96	8.47	34.51	-60.75	-13.00	-47.75
10320.0	H	-	-	-81.22	10.34	36.12	-59.14	-13.00	-46.14

Table 7-55. Antenna 1 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	H	236	114	-77.95	2.52	31.57	-63.69	-13.00	-50.69
5235.0	H	264	152	-78.15	5.23	34.08	-61.18	-13.00	-48.18
6980.0	H	-	-	-80.34	8.05	34.71	-60.54	-13.00	-47.54
8725.0	H	-	-	-81.02	9.09	35.07	-60.18	-13.00	-47.18
10470.0	H	-	-	-81.45	11.27	36.82	-58.44	-13.00	-45.44

Table 7-56. Antenna 1 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	H	-	-	-78.38	2.58	31.20	-64.06	-13.00	-51.06
5310.0	H	257	150	-78.88	5.58	33.70	-61.56	-13.00	-48.56
7080.0	H	-	-	-80.64	8.05	34.41	-60.85	-13.00	-47.85
8850.0	H	-	-	-81.01	9.21	35.20	-60.06	-13.00	-47.06
10620.0	H	-	-	-80.88	11.14	37.26	-58.00	-13.00	-45.00

Table 7-57. Antenna 1 Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 299 of 334

NR Band n71

Bandwidth (MHz):	20								
Frequency (MHz):	673.0								
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]
1346.0	H	-	-	-74.69	-4.39	27.92	-67.34	-13.00	-54.34
2019.0	H	-	-	-75.42	-1.21	30.37	-64.89	-13.00	-51.89
2692.0	H	-	-	-75.77	0.10	31.33	-63.93	-13.00	-50.93


Table 7-58. Antenna 1 Radiated Spurious Data (NR Band n71 – Low Channel)

Bandwidth (MHz):	20								
Frequency (MHz):	680.5								
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]
1361.0	H	-	-	-74.86	-4.48	27.66	-67.60	-13.00	-54.60
2041.5	H	-	-	-75.49	-1.33	30.18	-65.07	-13.00	-52.07
2722.0	H	-	-	-75.68	0.15	31.47	-63.78	-13.00	-50.78

Table 7-59. Antenna 1 Radiated Spurious Data (NR Band n71 – Mid Channel)

Bandwidth (MHz):	20								
Frequency (MHz):	688.0								
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]
1376.0	H	-	-	-75.16	-4.62	27.22	-68.04	-13.00	-55.04
2064.0	H	-	-	-75.37	-1.10	30.53	-64.72	-13.00	-51.72
2752.0	H	-	-	-75.89	0.04	31.15	-64.11	-13.00	-51.11

Table 7-60. Antenna 1 Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 300 of 334

NR Band n12

Bandwidth (MHz):	15								
Frequency (MHz):	706.5								
RB / Offset:	1 / 37								
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]
1413.0	H	-	-	-74.72	-4.82	27.46	-67.79	-13.00	-54.79
2119.5	H	-	-	-75.38	-0.72	30.90	-64.36	-13.00	-51.36
2826.0	H	-	-	-76.11	0.41	31.30	-63.95	-13.00	-50.95


Table 7-61. Antenna 1 Radiated Spurious Data (NR Band n12 – Low Channel)

Bandwidth (MHz):	15								
Frequency (MHz):	707.5								
RB / Offset:	1 / 37								
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]
1415.0	H	-	-	-74.84	-4.81	27.35	-67.91	-13.00	-54.91
2122.5	H	-	-	-75.89	-0.67	30.44	-64.82	-13.00	-51.82
2830.0	H	-	-	-76.04	0.43	31.39	-63.87	-13.00	-50.87

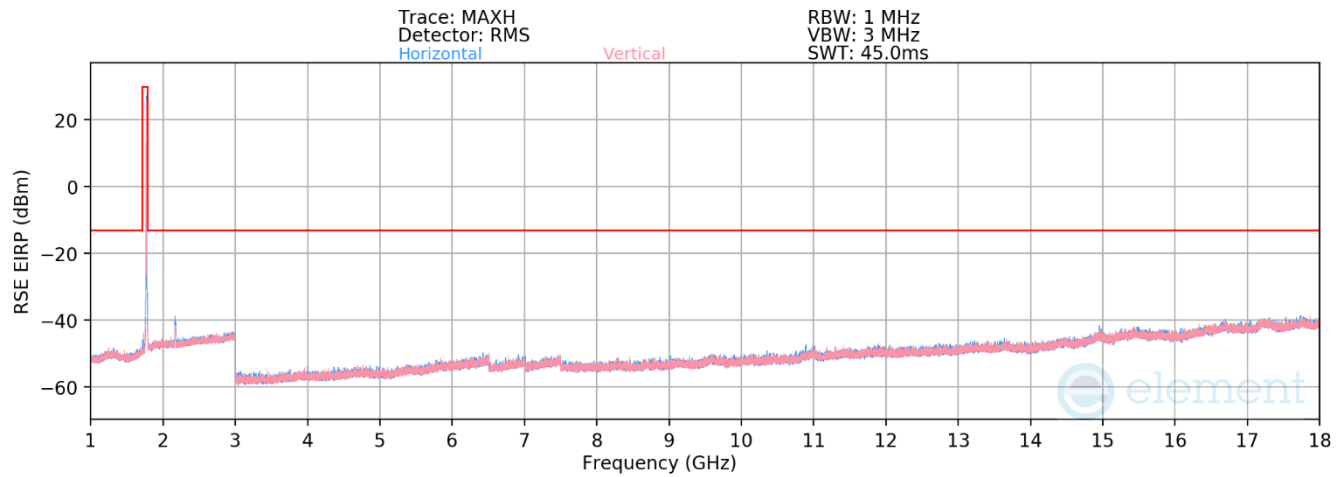
Table 7-62. Antenna 1 Radiated Spurious Data (NR Band n12 – Mid Channel)

Bandwidth (MHz):	15								
Frequency (MHz):	708.5								
RB / Offset:	1 / 37								
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]
1417.0	H	-	-	-74.99	-4.82	27.19	-68.06	-13.00	-55.06
2125.5	H	-	-	-74.73	-0.72	31.55	-63.71	-13.00	-50.71
2834.0	H	-	-	-76.07	0.41	31.34	-63.91	-13.00	-50.91


Table 7-63. Antenna 1 Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 301 of 334

NR Band n66



Plot 7-448. Antenna 1 Radiated Spurious Emission above 1GHz (NR Band n66)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 302 of 334

Bandwidth (MHz):	40
Frequency (MHz):	1730.0
RB / Offset:	1 / 108

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]
3460.0	H	-	-	-76.60	2.28	32.68	-62.58	-13.00	-49.58
5190.0	H	-	-	-78.13	5.20	34.07	-61.19	-13.00	-48.19
6920.0	H	-	-	-79.66	8.49	35.83	-59.43	-13.00	-46.43
8650.0	H	-	-	-81.83	10.22	35.39	-59.87	-13.00	-46.87

Table 7-64. Antenna 1 Radiated Spurious Data (NR Band n66 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	1745.0
RB / Offset:	1 / 108


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	H	-	-	-76.91	2.30	32.39	-62.87	-13.00	-49.87
5235.0	H	-	-	-77.61	4.97	34.36	-60.89	-13.00	-47.89
6980.0	H	-	-	-79.30	8.23	35.93	-59.32	-13.00	-46.32
8725.0	H	-	-	-81.60	10.53	35.93	-59.33	-13.00	-46.33

Table 7-65. Antenna 1 Radiated Spurious Data (NR Band n66 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	1760.0
RB / Offset:	1 / 108

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]
3520.0	H	-	-	-77.03	2.58	32.55	-62.71	-13.00	-49.71
5280.0	H	-	-	-77.90	4.57	33.67	-61.58	-13.00	-48.58
7040.0	H	-	-	-79.18	7.81	35.63	-59.62	-13.00	-46.62
8800.0	H	-	-	-81.20	10.33	36.13	-59.13	-13.00	-46.13

Table 7-66. Antenna 1 Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 303 of 334

NR Band n70

Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1/25

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]
3400.0	H	181	38	-78.68	4.93	33.25	-62.01	-13.00	-49.01
5100.0	H	-	-	-80.66	7.70	34.04	-61.21	-13.00	-48.21
6800.0	H	-	-	-80.58	10.20	36.62	-58.64	-13.00	-45.64
8500.0	H	-	-	-81.39	11.56	37.17	-58.08	-13.00	-45.08

Table 7-67. Antenna 1 Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1/37


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]
3405.0	H	-	-	-79.30	4.94	32.64	-62.62	-13.00	-49.62
5107.5	H	-	-	-80.17	7.75	34.58	-60.67	-13.00	-47.67
6810.0	H	-	-	-80.78	10.18	36.40	-58.86	-13.00	-45.86

Table 7-68. Antenna 1 Radiated Spurious Data (NR Band n70 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	1705.0
RB / Offset:	1/25

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]
3410.0	H	-	-	-79.36	4.94	32.58	-62.67	-13.00	-49.67
5115.0	H	-	-	-80.15	7.78	34.63	-60.62	-13.00	-47.62
6820.0	H	-	-	-80.70	10.24	36.54	-58.71	-13.00	-45.71

Table 7-69. Antenna 1 Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 304 of 334

WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

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]
3424.8	H	-	-	-79.22	4.93	32.71	-62.55	-13.00	-49.55
5137.2	H	-	-	-80.05	7.55	34.50	-60.76	-13.00	-47.76
6849.6	H	-	-	-80.37	10.19	36.82	-58.43	-13.00	-45.43

Table 7-70. Antenna 1 Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6


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]
3465.2	H	-	-	-79.08	5.29	33.21	-62.05	-13.00	-49.05
5197.8	H	-	-	-80.11	7.60	34.49	-60.77	-13.00	-47.77
6930.4	H	-	-	-80.32	10.23	36.91	-58.35	-13.00	-45.35

Table 7-71. Antenna 1 Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

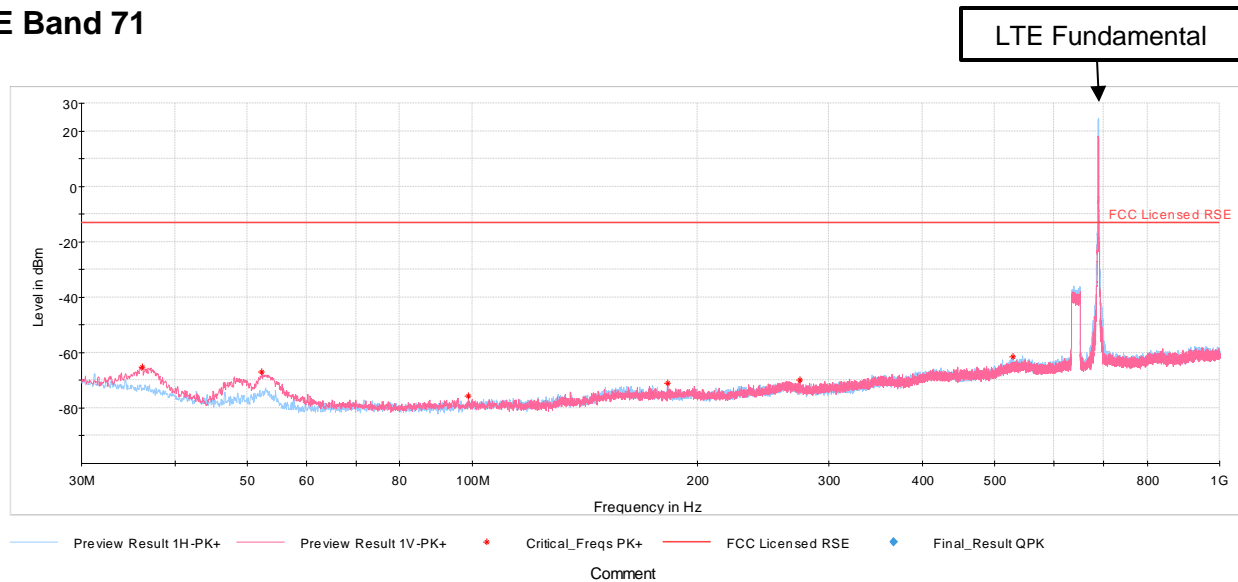
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-79.46	5.40	32.94	-62.32	-13.00	-49.32
5257.8	H	-	-	-79.83	7.41	34.58	-60.68	-13.00	-47.68
7010.4	H	-	-	-80.21	10.00	36.79	-58.47	-13.00	-45.47

Table 7-72. Antenna 1 Radiated Spurious Data (WCDMA AWS – High Channel)

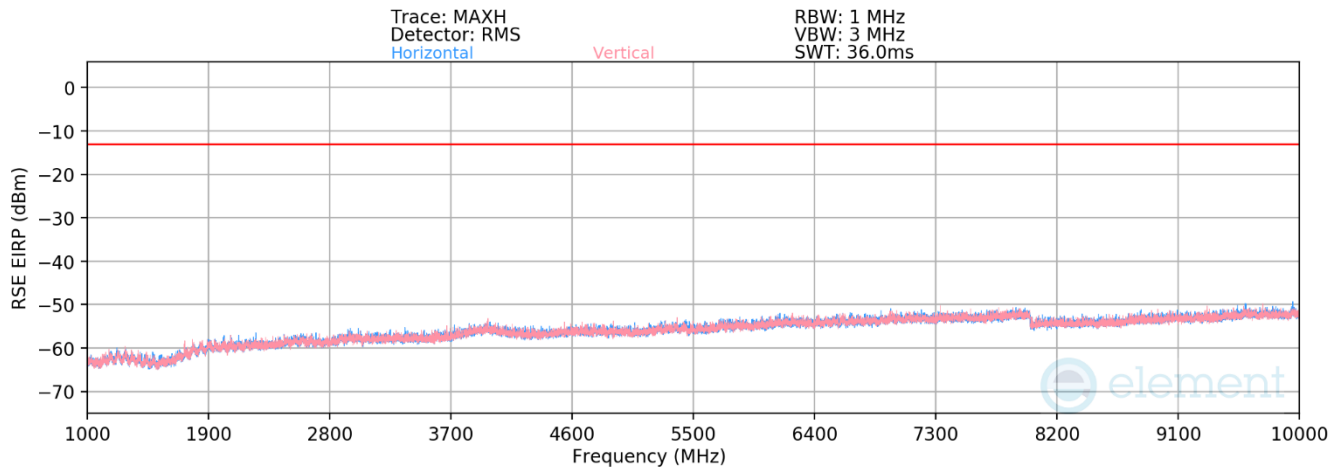
FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 305 of 334

7.7.3 Antenna 3 – Radiated Spurious Emission Measurement


LTE Band 71



Plot 7-449. Antenna 3 Radiated Spurious Emission below 1GHz (LTE Band 71)



Plot 7-450. Antenna 3 Radiated Spurious Emission above 1GHz (LTE Band 71)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 306 of 334

Bandwidth (MHz):	20
Frequency (MHz):	673.0
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]
1346.0	H	-	-	-76.52	-1.18	29.30	-65.96	-13.00	-52.96
2019.0	H	-	-	-77.58	1.78	31.20	-64.06	-13.00	-51.06
2692.0	H	-	-	-78.39	3.60	32.21	-63.05	-13.00	-50.05

Table 7-73. Antenna 3 Radiated Spurious Data (LTE Band 71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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]
1361.0	H	-	-	-77.54	-1.34	28.12	-67.14	-13.00	-54.14
2041.5	H	-	-	-77.42	1.60	31.18	-64.08	-13.00	-51.08
2722.0	H	-	-	-78.53	3.87	32.34	-62.92	-13.00	-49.92

Table 7-74. Antenna 3 Radiated Spurious Data (LTE Band 71 – Mid Channel)

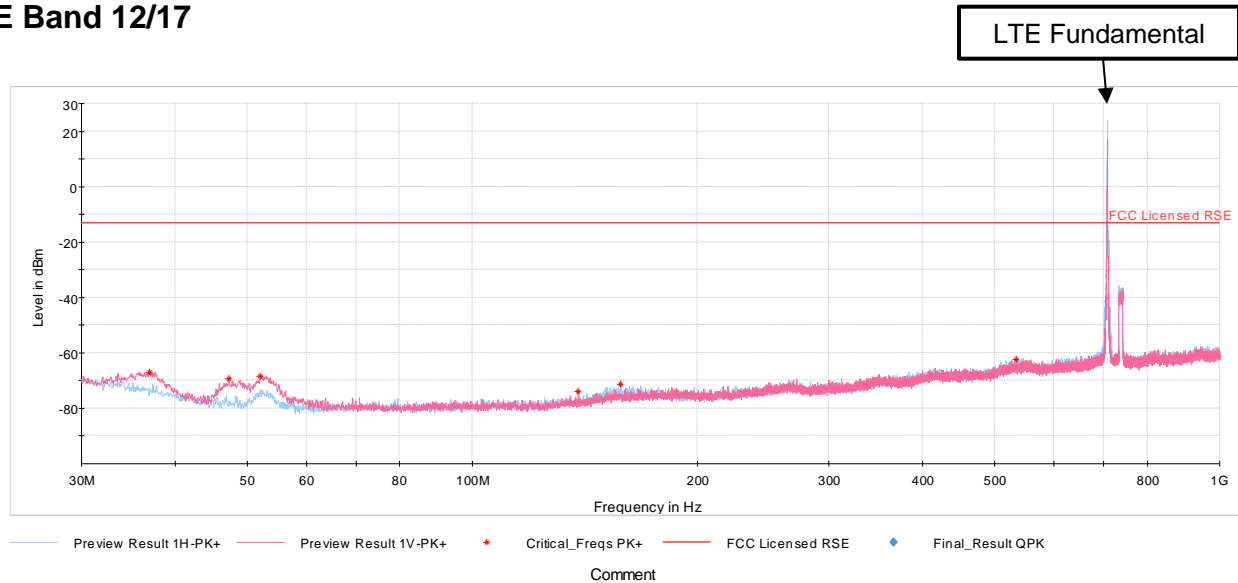
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

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]
1376.0	H	-	-	-76.72	-1.32	28.96	-66.29	-13.00	-53.29
2064.0	H	-	-	-77.43	1.73	31.30	-63.96	-13.00	-50.96
2752.0	H	-	-	-78.36	3.70	32.34	-62.92	-13.00	-49.92

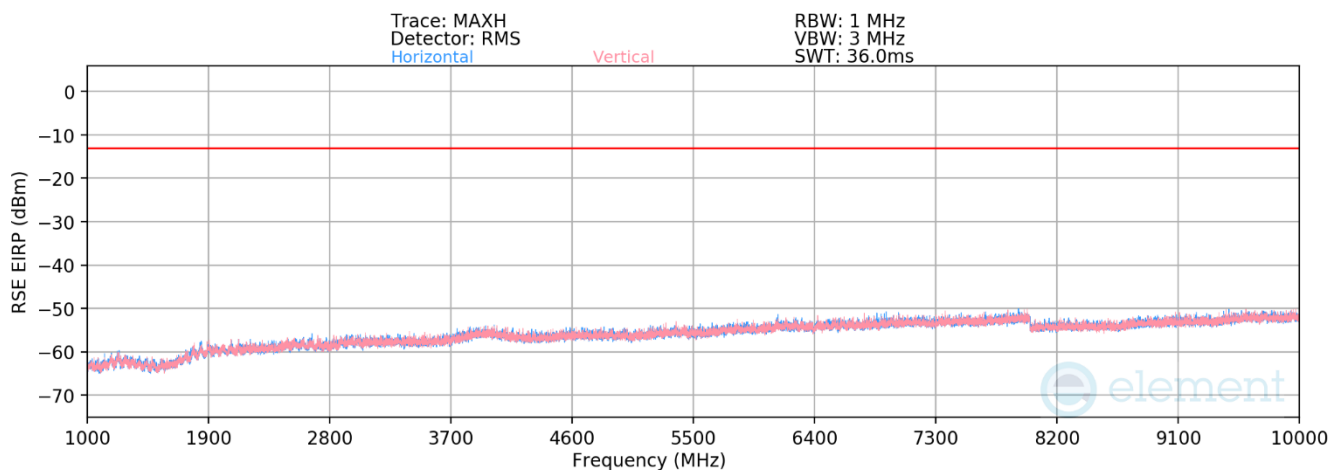
Table 7-75. Antenna 3 Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 307 of 334


LTE Band 12/17



Plot 7-451. Antenna 3 Radiated Spurious Emission below 1GHz (LTE Band 12/17)



Plot 7-452. Antenna 3 Radiated Spurious Emission above 1GHz (LTE Band 12/17)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 308 of 334

Bandwidth (MHz):	10
Frequency (MHz):	704.0
RB / Offset:	1 / 25

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]
1408.0	H	-	-	-76.84	-1.65	28.51	-66.75	-13.00	-53.75
2112.0	H	-	-	-77.83	1.70	30.87	-64.39	-13.00	-51.39
2816.0	H	-	-	-78.31	3.33	32.02	-63.24	-13.00	-50.24

Table 7-76. Antenna 3 Radiated Spurious Data (LTE Band 12/17 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25


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]
1415.0	H	-	-	-76.68	-1.60	28.72	-66.54	-13.00	-53.54
2122.5	H	-	-	-77.72	1.72	31.00	-64.26	-13.00	-51.26
2830.0	H	-	-	-78.41	3.24	31.83	-63.43	-13.00	-50.43

Table 7-77. Antenna 3 Radiated Spurious Data (LTE Band 12/17 – Mid Channel)

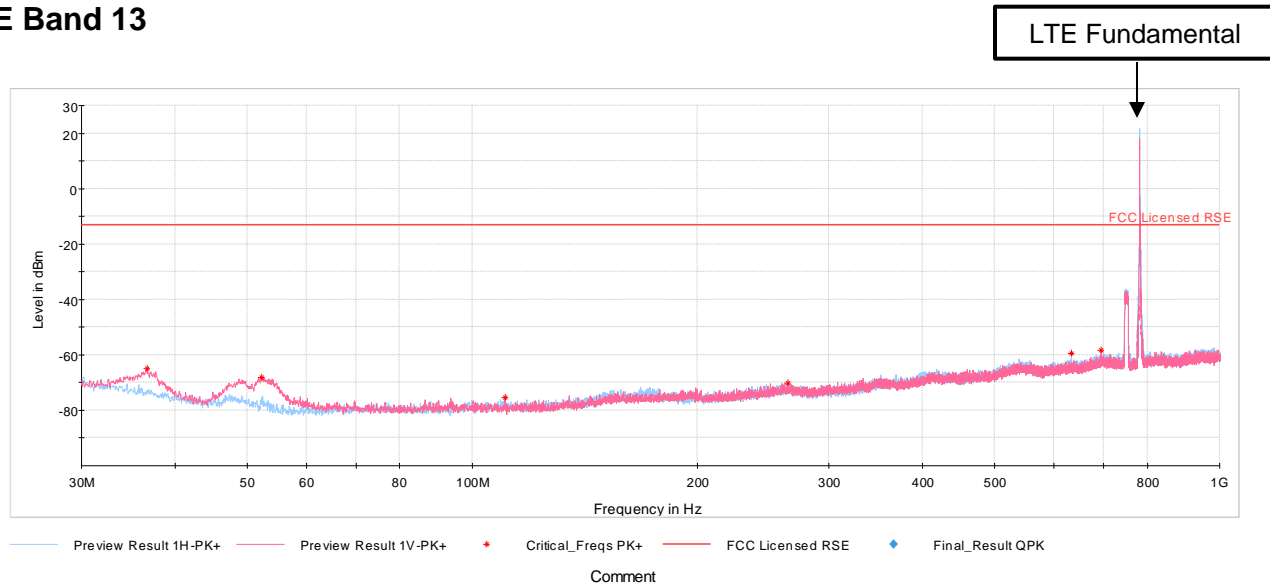
Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

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]
1422.0	H	-	-	-76.80	-1.54	28.66	-66.60	-13.00	-53.60
2133.0	H	-	-	-77.86	1.87	31.01	-64.25	-13.00	-51.25
2844.0	H	-	-	-78.23	3.07	31.84	-63.42	-13.00	-50.42

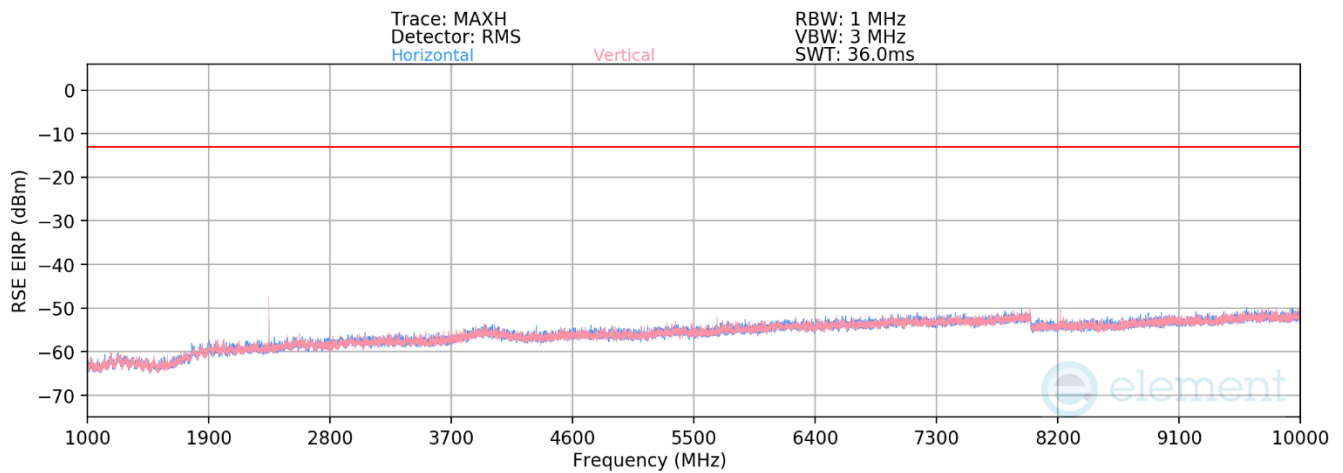
Table 7-78. Antenna 3 Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device
		Page 309 of 334


LTE Band 13



Plot 7-453. Antenna 3 Radiated Spurious Emission below 1GHz (LTE Band 13)



Plot 7-454. Antenna 3 Radiated Spurious Emission above 1GHz (LTE Band 13)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 310 of 334

Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25

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]
1564.0	H	-	-	-75.37	-4.71	26.92	-68.34	-40.00	-28.34
2346.0	V	375	102	-64.12	-0.89	41.99	-53.26	-13.00	-40.26
3128.0	H	-	-	-76.35	1.33	31.98	-63.28	-13.00	-50.28
3910.0	H	-	-	-77.17	4.02	33.85	-61.41	-13.00	-48.41
4692.0	H	-	-	-77.29	3.65	33.36	-61.89	-13.00	-48.89

Table 7-79. Antenna 3 Radiated Spurious Data (LTE Band 13 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	2 / 25


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]
1564.0	-	-	-	-78.01	-2.10	26.89	-68.36	-40.00	-28.36
2346.0	-	-	-	-78.73	2.00	30.27	-64.99	-13.00	-51.99
3128.0	-	-	-	-79.14	3.79	31.65	-63.61	-13.00	-50.61

Table 7-80. Antenna 3 Radiated Spurious Data (LTE Band 13 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25

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]
1564.0	H	-	-	-76.14	-4.71	26.15	-69.11	-40.00	-29.11
2346.0	V	364	95	-64.31	-0.89	41.80	-53.45	-13.00	-40.45
3128.0	H	-	-	-76.41	1.33	31.92	-63.34	-13.00	-50.34
3910.0	H	-	-	-77.24	4.02	33.78	-61.48	-13.00	-48.48
4692.0	H	-	-	-77.36	3.65	33.29	-61.96	-13.00	-48.96

Table 7-81. Antenna 3 Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 311 of 334

LTE Band 66/4

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	H	-	-	-78.31	2.63	31.32	-63.94	-13.00	-50.94
5160.0	H	263	111	-76.59	5.19	35.60	-59.66	-13.00	-46.66
6880.0	H	-	-	-80.58	8.19	34.61	-60.65	-13.00	-47.65
8600.0	H	-	-	-81.02	8.47	34.45	-60.81	-13.00	-47.81
10320.0	H	-	-	-81.26	10.34	36.08	-59.18	-13.00	-46.18


Table 7-82. Antenna 3 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	H	-	-	-78.42	2.52	31.10	-64.16	-13.00	-51.16
5235.0	H	243	114	-76.88	5.23	35.35	-59.91	-13.00	-46.91
6980.0	H	-	-	-80.26	8.05	34.79	-60.46	-13.00	-47.46
8725.0	H	-	-	-81.26	9.09	34.83	-60.42	-13.00	-47.42
10470.0	H	-	-	-81.05	11.27	37.22	-58.04	-13.00	-45.04

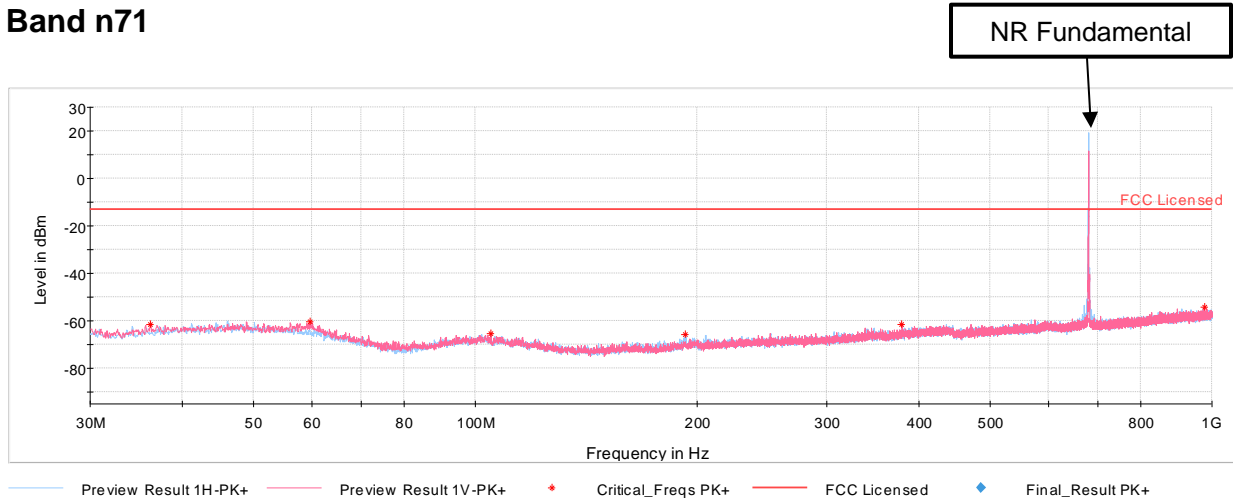
Table 7-83. Antenna 3 Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

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	H	-	-	-78.41	2.58	31.17	-64.09	-13.00	-51.09
5310.0	H	264	111	-76.74	5.58	35.84	-59.42	-13.00	-46.42
7080.0	H	-	-	-80.49	8.05	34.56	-60.70	-13.00	-47.70
8850.0	H	-	-	-80.87	9.21	35.34	-59.92	-13.00	-46.92
10620.0	H	-	-	-81.15	11.14	36.99	-58.27	-13.00	-45.27

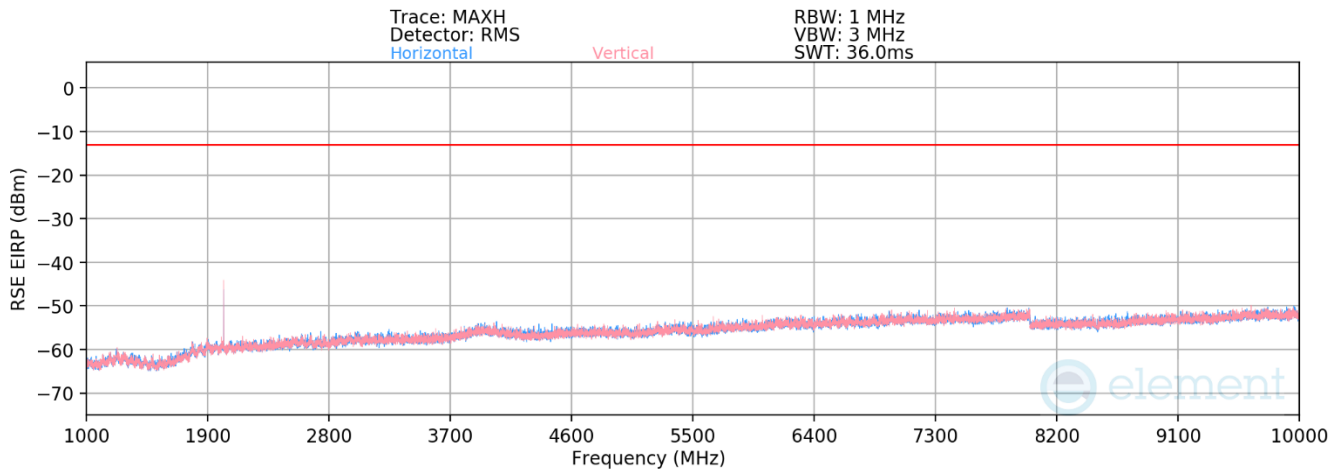
Table 7-84. Antenna 3 Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 312 of 334


NR Band n71



Plot 7-455. Antenna 4b Radiated Spurious Emission below 1GHz (NR Band n71)



Plot 7-456. Antenna 4b Radiated Spurious Emission above 1GHz (NR Band n71)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device		Page 313 of 334

Bandwidth (MHz):	20
Frequency (MHz):	673.0
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]
1346.0	H	-	-	-75.15	-4.39	27.46	-67.80	-13.00	-54.80
2019.0	V	356	120	-60.27	-1.21	45.52	-49.74	-13.00	-36.74
2692.0	H	-	-	-75.93	0.10	31.17	-64.09	-13.00	-51.09
3365.0	H	-	-	-76.67	1.93	32.26	-63.00	-13.00	-50.00
4038.0	H	-	-	-76.69	3.90	34.21	-61.05	-13.00	-48.05

Table 7-85. Antenna 4b Radiated Spurious Data (NR Band n71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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]
1361.0	H	-	-	-74.88	-4.48	27.64	-67.62	-13.00	-54.62
2041.5	V	386	114	-63.23	-1.33	42.44	-52.81	-13.00	-39.81
2722.0	H	-	-	-75.72	0.15	31.43	-63.82	-13.00	-50.82
3402.5	H	-	-	-76.66	1.91	32.25	-63.01	-13.00	-50.01
4083.0	H	-	-	-77.01	3.68	33.67	-61.58	-13.00	-48.58

Table 7-86. Antenna 4b Radiated Spurious Data (NR Band n71 – Mid Channel)

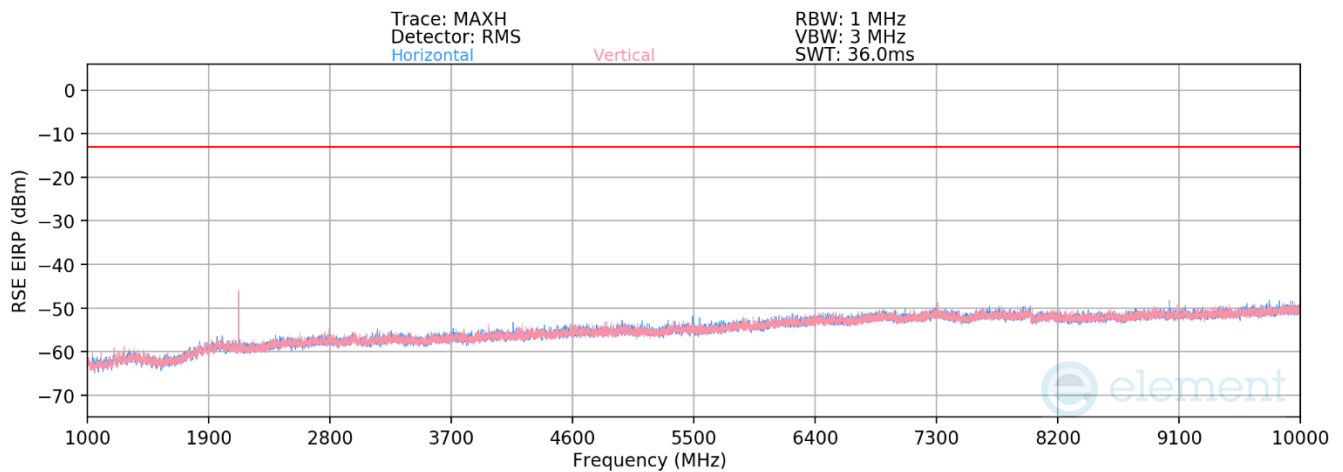
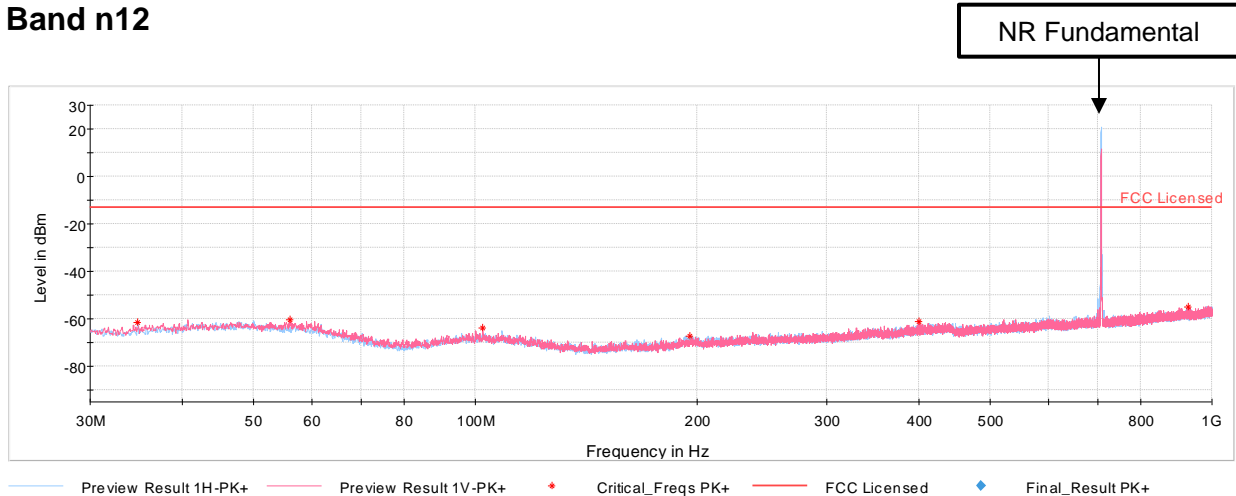
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50


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]
1376.0	H	-	-	-75.16	-4.62	27.22	-68.04	-13.00	-55.04
2064.0	H	336	123	-65.66	-1.10	40.24	-55.01	-13.00	-42.01
2752.0	H	-	-	-75.95	0.04	31.09	-64.17	-13.00	-51.17
3440.0	H	-	-	-76.83	1.84	32.01	-63.25	-13.00	-50.25
4128.0	H	-	-	-77.05	3.51	33.46	-61.80	-13.00	-48.80

Table 7-87. Antenna 4b Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 314 of 334

NR Band n12



FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 315 of 334

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 37

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]
1413.0	V	295	171	-73.22	-4.82	28.96	-66.29	-13.00	-53.29
2119.5	V	332	97	-64.47	-0.72	41.81	-53.45	-13.00	-40.45
2826.0	H	-	-	-76.13	0.41	31.28	-63.97	-13.00	-50.97
3532.5	H	-	-	-76.67	1.80	32.13	-63.13	-13.00	-50.13
4239.0	H	-	-	-77.18	3.27	33.09	-62.17	-13.00	-49.17

Table 7-88. Antenna 4b Radiated Spurious Data (NR Band n12 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 37


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]
1415.0	V	367	166	-73.38	-1.60	32.02	-63.24	-13.00	-50.24
2122.5	V	306	120	-61.35	1.72	47.37	-47.89	-13.00	-34.89
2830.0	V	-	-	-78.31	3.24	31.93	-63.33	-13.00	-50.33
3537.5	V	-	-	-79.11	4.48	32.37	-62.89	-13.00	-49.89
4245.0	V	-	-	-79.42	5.75	33.33	-61.93	-13.00	-48.93

Table 7-89. Antenna 4b Radiated Spurious Data (NR Band n12 – Mid Channel)

Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 37

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]
1417.0	V	199	47	-75.99	-1.58	29.43	-65.83	-13.00	-52.83
2125.5	V	344	77	-64.04	1.76	44.72	-50.54	-13.00	-37.54
2834.0	V	-	-	-78.57	3.23	31.66	-63.60	-13.00	-50.60
3542.5	V	-	-	-79.15	4.58	32.43	-62.82	-13.00	-49.82
4251.0	V	-	-	-79.76	5.73	32.97	-62.29	-13.00	-49.29

Table 7-90. Antenna 4b Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 316 of 334

NR Band n66

Bandwidth (MHz):	40								
Frequency (MHz):	1730.0								
RB / Offset:	1 / 108								
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]
3460.0	H	-	-	-76.77	2.28	32.51	-62.75	-13.00	-49.75
5190.0	H	-	-	-78.18	5.20	34.02	-61.24	-13.00	-48.24
6920.0	H	-	-	-79.62	8.49	35.87	-59.39	-13.00	-46.39
8650.0	H	-	-	-81.93	10.22	35.29	-59.97	-13.00	-46.97


Table 7-91. Antenna 3 Radiated Spurious Data (NR Band n66 – Low Channel)

Bandwidth (MHz):	40								
Frequency (MHz):	1745.0								
RB / Offset:	1 / 108								
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	H	-	-	-76.94	2.30	32.36	-62.90	-13.00	-49.90
5235.0	H	-	-	-77.86	4.97	34.11	-61.14	-13.00	-48.14
6980.0	H	-	-	-79.22	8.23	36.01	-59.24	-13.00	-46.24
8725.0	H	-	-	-81.53	10.53	36.00	-59.26	-13.00	-46.26

Table 7-92. Antenna 3 Radiated Spurious Data (NR Band n66 – Mid Channel)

Bandwidth (MHz):	40								
Frequency (MHz):	1760.0								
RB / Offset:	1 / 108								
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]
3520.0	H	-	-	-76.84	2.58	32.74	-62.52	-13.00	-49.52
5280.0	H	-	-	-77.36	4.57	34.21	-61.04	-13.00	-48.04
7040.0	H	-	-	-79.22	7.81	35.59	-59.66	-13.00	-46.66
8800.0	H	-	-	-81.00	10.33	36.33	-58.93	-13.00	-45.93

Table 7-93. Antenna 3 Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 317 of 334

NR Band n70

Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1/25

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]
3400.0	H	-	-	-79.53	4.93	32.40	-62.86	-13.00	-49.86
5100.0	H	-	-	-80.35	7.70	34.35	-60.90	-13.00	-47.90
6800.0	H	-	-	-80.82	10.20	36.38	-58.88	-13.00	-45.88

Table 7-94. Antenna 3 Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1/37


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]
3405.0	H	-	-	-79.36	4.94	32.58	-62.68	-13.00	-49.68
5107.5	H	-	-	-80.39	7.75	34.36	-60.89	-13.00	-47.89
6810.0	H	-	-	-80.63	10.18	36.55	-58.71	-13.00	-45.71

Table 7-95. Antenna 3 Radiated Spurious Data (NR Band n70 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	1705.0
RB / Offset:	1/25

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]
3410.0	H	-	-	-79.27	4.94	32.67	-62.58	-13.00	-49.58
5115.0	V	245	210	-79.87	7.78	34.91	-60.34	-13.00	-47.34
6820.0	H	-	-	-80.88	10.24	36.36	-58.89	-13.00	-45.89
8525.0	H	-	-	-81.48	11.29	36.81	-58.45	-13.00	-45.45
10230.0	H	-	-	-82.25	14.38	39.13	-56.13	-13.00	-43.13

Table 7-96. Antenna 3 Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 318 of 334

WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

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]
3424.8	H	-	-	-78.97	4.93	32.96	-62.30	-13.00	-49.30
5137.2	H	-	-	-79.86	7.55	34.69	-60.57	-13.00	-47.57
6849.6	H	-	-	-80.32	10.19	36.87	-58.38	-13.00	-45.38

Table 7-97. Antenna 3 Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6


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]
3465.2	H	-	-	-79.39	5.29	32.90	-62.36	-13.00	-49.36
5197.8	H	-	-	-79.78	7.60	34.82	-60.44	-13.00	-47.44
6930.4	H	-	-	-80.20	10.23	37.03	-58.23	-13.00	-45.23

Table 7-98. Antenna 3 Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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]
3505.2	H	-	-	-79.47	5.40	32.93	-62.33	-13.00	-49.33
5257.8	H	-	-	-79.83	7.41	34.58	-60.68	-13.00	-47.68
7010.4	H	-	-	-80.29	10.00	36.71	-58.55	-13.00	-45.55

Table 7-99. Antenna 3 Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 319 of 334

7.7.4 Antenna 2b – Radiated Spurious Emission Measurement

LTE Band 66/4

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	H	-	-	-78.47	2.63	31.16	-64.10	-13.00	-51.10
5160.0	H	285	106	-75.56	5.19	36.63	-58.63	-13.00	-45.63
6880.0	H	-	-	-80.32	8.19	34.87	-60.39	-13.00	-47.39
8600.0	H	-	-	-81.02	8.47	34.45	-60.81	-13.00	-47.81
10320.0	H	-	-	-81.27	10.34	36.07	-59.19	-13.00	-46.19


Table 7-100. Antenna 2b 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	H	-	-	-78.54	2.52	30.98	-64.28	-13.00	-51.28
5235.0	H	257	108	-74.31	5.23	37.92	-57.34	-13.00	-44.34
6980.0	H	-	-	-80.15	8.05	34.90	-60.35	-13.00	-47.35
8725.0	H	-	-	-80.91	9.09	35.18	-60.07	-13.00	-47.07
10470.0	H	-	-	-81.02	11.27	37.25	-58.01	-13.00	-45.01

Table 7-101. Antenna 2b 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	H	-	-	-78.35	2.58	31.23	-64.03	-13.00	-51.03
5310.0	H	257	108	-76.57	5.58	36.01	-59.25	-13.00	-46.25
7080.0	H	-	-	-80.54	8.05	34.51	-60.75	-13.00	-47.75
8850.0	H	-	-	-80.98	9.21	35.23	-60.03	-13.00	-47.03
10620.0	H	-	-	-80.85	11.14	37.29	-57.97	-13.00	-44.97

Table 7-102. Antenna 2b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 320 of 334

NR Band n66

Bandwidth (MHz):	40								
Frequency (MHz):	1730.0								
RB / Offset:	1 / 108								
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]
3460.0	H	-	-	-77.07	2.28	32.21	-63.05	-13.00	-50.05
5190.0	H	-	-	-78.45	5.20	33.75	-61.51	-13.00	-48.51
6920.0	H	-	-	-80.07	8.49	35.42	-59.84	-13.00	-46.84


Table 7-103. Antenna 2b Radiated Spurious Data (NR Band n66 – Low Channel)

Bandwidth (MHz):	40								
Frequency (MHz):	1745.0								
RB / Offset:	1 / 108								
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	H	-	-	-77.23	2.30	32.07	-63.19	-13.00	-50.19
5235.0	H	-	-	-78.16	4.97	33.81	-61.44	-13.00	-48.44
6980.0	H	-	-	-79.68	8.23	35.55	-59.70	-13.00	-46.70

Table 7-104. Antenna 2b Radiated Spurious Data (NR Band n66 – Mid Channel)

Bandwidth (MHz):	40								
Frequency (MHz):	1760.0								
RB / Offset:	1 / 108								
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]
3520.0	H	-	-	-77.14	2.58	32.44	-62.82	-13.00	-49.82
5280.0	H	-	-	-78.08	4.57	33.49	-61.76	-13.00	-48.76
7040.0	H	-	-	-79.54	7.81	35.27	-59.98	-13.00	-46.98

Table 7-105. Antenna 2b Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 321 of 334

NR Band n70

Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1/25

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]
3400.0	V	255	286	-78.15	4.93	33.78	-61.48	-13.00	-48.48
5100.0	H	201	141	-79.43	7.70	35.27	-59.98	-13.00	-46.98
6800.0	H	-	-	-80.64	10.20	36.56	-58.70	-13.00	-45.70
8500.0	H	-	-	-81.51	11.56	37.05	-58.20	-13.00	-45.20
10200.0	H	-	-	-82.47	14.09	38.62	-56.64	-13.00	-43.64

Table 7-106. Antenna 2b Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1/37


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]
3405.0	H	165	67	-78.35	4.94	33.59	-61.67	-13.00	-48.67
5107.5	H	-	-	-80.58	7.75	34.17	-61.08	-13.00	-48.08
6810.0	H	-	-	-80.70	10.18	36.48	-58.78	-13.00	-45.78
8512.5	H	-	-	-81.76	11.33	36.57	-58.68	-13.00	-45.68

Table 7-107. Antenna 2b Radiated Spurious Data (NR Band n70 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	1705.0
RB / Offset:	1/25

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]
3410.0	H	143	71	-78.15	4.94	33.79	-61.46	-13.00	-48.46
5115.0	H	397	166	-78.75	7.78	36.03	-59.22	-13.00	-46.22
6820.0	H	-	-	-80.80	10.24	36.44	-58.81	-13.00	-45.81
8525.0	H	-	-	-81.76	11.29	36.53	-58.73	-13.00	-45.73
10230.0	H	-	-	-82.31	14.38	39.07	-56.19	-13.00	-43.19

Table 7-108. Antenna 2b Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 322 of 334

WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

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]
3424.8	H	-	-	-79.11	4.93	32.82	-62.44	-13.00	-49.44
5137.2	H	-	-	-79.92	7.55	34.63	-60.63	-13.00	-47.63
6849.6	H	-	-	-80.25	10.19	36.94	-58.31	-13.00	-45.31

7-109. Antenna 2b Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6


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]
3465.2	H	-	-	-79.28	5.29	33.01	-62.25	-13.00	-49.25
5197.8	H	-	-	-79.95	7.60	34.65	-60.61	-13.00	-47.61
6930.4	H	-	-	-80.10	10.23	37.13	-58.13	-13.00	-45.13

Table 7-110. Antenna 2b Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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]
3505.2	H	-	-	-79.47	5.40	32.93	-62.33	-13.00	-49.33
5257.8	H	-	-	-79.89	7.41	34.52	-60.74	-13.00	-47.74
7010.4	H	-	-	-80.27	10.00	36.73	-58.53	-13.00	-45.53

Table 7-111. Antenna 2b Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 323 of 334

7.8 Frequency Stability / Temperature Variation

\$2.1053, \$27.53

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

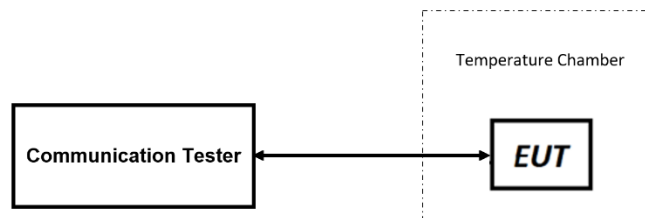



Figure 7-8. Test Instrument & Measurement Setup

Test Notes


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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 324 of 334

Frequency Stability / Temperature Variation

LTE Band 66/4							
			Low Channel Frequency (Hz):		1,720,000,000		
			High Channel Frequency (Hz):		1,770,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,720,000,025	1,770,000,039	13	15	0.0000008
		- 20	1,720,000,021	1,770,000,046	9	22	0.0000012
		- 10	1,720,000,037	1,770,000,047	25	23	0.0000015
		0	1,720,000,033	1,770,000,036	21	12	0.0000012
		+ 10	1,720,000,031	1,770,000,036	19	12	0.0000011
		+ 20 (Ref)	1,720,000,012	1,770,000,024	0	0	0.0000000
		+ 30	1,720,000,040	1,770,000,043	28	19	0.0000016
		+ 40	1,720,000,028	1,770,000,053	16	29	0.0000016
		+ 50	1,720,000,038	1,770,000,046	26	22	0.0000015
Battery Endpoint	3.23	+ 20	1,720,000,029	1,770,000,049	17	25	0.0000014


Table 7-112. LTE Band 66/4 Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 325 of 334

Frequency Stability / Temperature Variation

LTE Band 71							
			Low Channel Frequency (Hz):	673,000,000			
			High Channel Frequency (Hz):	688,000,000			
			Ref. Voltage (VDC):	3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	673,000,000	687,999,997	3	-4	-0.0000006
		- 20	672,999,996	688,000,004	-1	3	0.0000004
		- 10	672,999,997	688,000,003	0	2	0.0000003
		0	672,999,995	688,000,000	-2	-1	-0.0000003
		+ 10	673,000,000	687,999,997	3	-4	-0.0000006
		+ 20 (Ref)	672,999,997	688,000,001	0	0	0.0000000
		+ 30	672,999,999	688,000,000	2	-1	0.0000003
		+ 40	672,999,999	688,000,003	2	2	0.0000003
		+ 50	673,000,001	688,000,000	4	-1	0.0000002
Battery Endpoint	3.23	+ 20	672,999,993	687,999,999	-4	-2	-0.0000002


Table 7-113. LTE Band 71 Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 326 of 334

Frequency Stability / Temperature Variation

LTE Band 12/17							
			Low Channel Frequency (Hz):	704,000,000			
			High Channel Frequency (Hz):	711,000,000			
			Ref. Voltage (VDC):	3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	704,000,000	710,999,997	2	-3	-0.0000004
		- 20	703,999,998	710,999,998	0	-2	-0.0000003
		- 10	704,000,000	710,999,997	2	-3	-0.0000004
		0	703,999,997	711,000,001	-1	1	-0.0000001
		+ 10	703,999,997	710,999,998	-1	-2	-0.0000003
		+ 20 (Ref)	703,999,998	711,000,000	0	0	0.0000000
		+ 30	703,999,998	710,999,998	0	-2	-0.0000003
		+ 40	704,000,000	711,000,002	2	2	0.0000003
		+ 50	704,000,000	710,999,998	2	-2	0.0000001
Battery Endpoint	3.23	+ 20	703,999,999	711,000,001	1	1	0.0000001


Table 7-114. LTE Band 12/17 Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 327 of 334

Frequency Stability / Temperature Variation

LTE Band 13							
			Low Channel Frequency (Hz):		779,500,000		
			High Channel Frequency (Hz):		784,500,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	779,500,002	784,500,000	0	4	0.0000005
		- 20	779,499,998	784,500,000	-4	4	-0.0000005
		- 10	779,500,003	784,499,994	1	-2	-0.0000003
		0	779,500,001	784,499,998	-1	2	0.0000003
		+ 10	779,500,006	784,499,995	4	-1	0.0000005
		+ 20 (Ref)	779,500,002	784,499,996	0	0	0.0000000
		+ 30	779,500,005	784,499,998	3	2	0.0000004
		+ 40	779,500,001	784,499,994	-1	-2	-0.0000003
		+ 50	779,500,003	784,499,997	1	1	0.0000001
Battery Endpoint	3.23	+ 20	779,500,005	784,499,992	3	-4	-0.0000002


Table 7-115. LTE Band 13 Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 328 of 334

Frequency Stability / Temperature Variation

NR Band n66							
			Low Channel Frequency (Hz):		1,720,000,000		
			High Channel Frequency (Hz):		1,770,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,719,999,146	1,769,999,247	-437	-365	-0.0000254
		- 20	1,719,999,232	1,769,999,206	-351	-406	-0.0000229
		- 10	1,719,999,213	1,769,999,230	-370	-382	-0.0000216
		0	1,719,999,131	1,769,999,179	-452	-433	-0.0000263
		+ 10	1,719,999,188	1,769,999,184	-395	-428	-0.0000242
		+ 20 (Ref)	1,719,999,583	1,769,999,612	0	0	0.0000000
		+ 30	1,719,999,138	1,769,999,204	-445	-408	-0.0000259
		+ 40	1,719,999,135	1,769,999,193	-448	-419	-0.0000260
		+ 50	1,719,999,205	1,769,999,180	-378	-432	-0.0000246
Battery Endpoint	3.23	+ 20	1,719,999,238	1,769,999,261	-345	-351	-0.0000200


Table 7-116. NR Band n66 Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 329 of 334

Frequency Stability / Temperature Variation

NR Band n70							
			Low Channel Frequency (Hz):		1,700,000,000		
			High Channel Frequency (Hz):		1,705,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,699,998,532	1,704,998,573	-736	-676	-0.0000433
		- 20	1,699,998,516	1,704,998,505	-752	-744	-0.0000442
		- 10	1,699,998,547	1,704,998,584	-721	-665	-0.0000424
		0	1,699,998,622	1,704,998,600	-646	-649	-0.0000381
		+ 10	1,699,998,531	1,704,998,498	-737	-751	-0.0000440
		+ 20 (Ref)	1,699,999,268	1,704,999,249	0	0	0.0000000
		+ 30	1,699,998,546	1,704,998,510	-722	-739	-0.0000433
		+ 40	1,699,998,578	1,704,998,562	-690	-687	-0.0000406
		+ 50	1,699,998,578	1,704,998,600	-690	-649	-0.0000403
Battery Endpoint	3.23	+ 20	1,699,998,532	1,704,998,565	-736	-684	-0.0000430


Table 7-117. NR Band n70 Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 330 of 334

Frequency Stability / Temperature Variation

NR Band n71							
			Low Channel Frequency (Hz):		673,000,000		
			High Channel Frequency (Hz):		688,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	672,999,705	687,999,687	-186	-158	-0.0000276
		- 20	672,999,756	687,999,741	-135	-104	-0.0000201
		- 10	672,999,775	687,999,717	-116	-128	-0.0000186
		0	672,999,706	687,999,686	-185	-159	-0.0000275
		+ 10	672,999,741	687,999,663	-150	-182	-0.0000265
		+ 20 (Ref)	672,999,891	687,999,845	0	0	0.0000000
		+ 30	672,999,766	687,999,698	-125	-147	-0.0000214
		+ 40	672,999,717	687,999,738	-174	-107	-0.0000259
		+ 50	672,999,723	687,999,698	-168	-147	-0.0000098
Battery Endpoint	3.23	+ 20	672,999,758	687,999,718	-133	-127	-0.0000078


Table 7-118. NR Band n71 Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 331 of 334

Frequency Stability / Temperature Variation

NR Band n12							
			Low Channel Frequency (Hz):		834,000,000		
			High Channel Frequency (Hz):		839,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	833,999,717	838,999,636	-161	-176	-0.0000210
		- 20	833,999,729	838,999,689	-149	-123	-0.0000179
		- 10	833,999,766	838,999,701	-112	-111	-0.0000134
		0	833,999,736	838,999,640	-142	-172	-0.0000205
		+ 10	833,999,769	838,999,703	-109	-109	-0.0000131
		+ 20 (Ref)	833,999,878	838,999,812	0	0	0.0000000
		+ 30	833,999,689	838,999,658	-189	-154	-0.0000227
		+ 40	833,999,700	838,999,714	-178	-98	-0.0000213
		+ 50	833,999,699	838,999,670	-179	-142	-0.0000105
Battery Endpoint	3.23	+ 20	833,999,749	838,999,656	-129	-156	-0.0000089


Table 7-119. NR Band n12 Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 332 of 334

Frequency Stability / Temperature Variation


WCDMA AWS							
			Low Channel Frequency (Hz):		1,712,400,000		
			High Channel Frequency (Hz):		1,752,600,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,712,400,041	1,752,600,036	16	20	0.0000011
		- 20	1,712,400,048	1,752,600,044	23	28	0.0000016
		- 10	1,712,400,035	1,752,600,027	10	11	0.0000006
		0	1,712,400,039	1,752,600,044	14	28	0.0000016
		+ 10	1,712,400,037	1,752,600,028	12	12	0.0000007
		+ 20 (Ref)	1,712,400,025	1,752,600,016	0	0	0.0000000
		+ 30	1,712,400,050	1,752,600,037	25	21	0.0000015
		+ 40	1,712,400,050	1,752,600,041	25	25	0.0000015
		+ 50	1,712,400,034	1,752,600,043	9	27	0.0000015
Battery Endpoint	3.23	+ 20	1,712,400,055	1,752,600,045	30	29	0.0000018

Table 7-120. WCDMA AWS Frequency Stability Data

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 333 of 334

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2764** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-03.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device
		Page 334 of 334