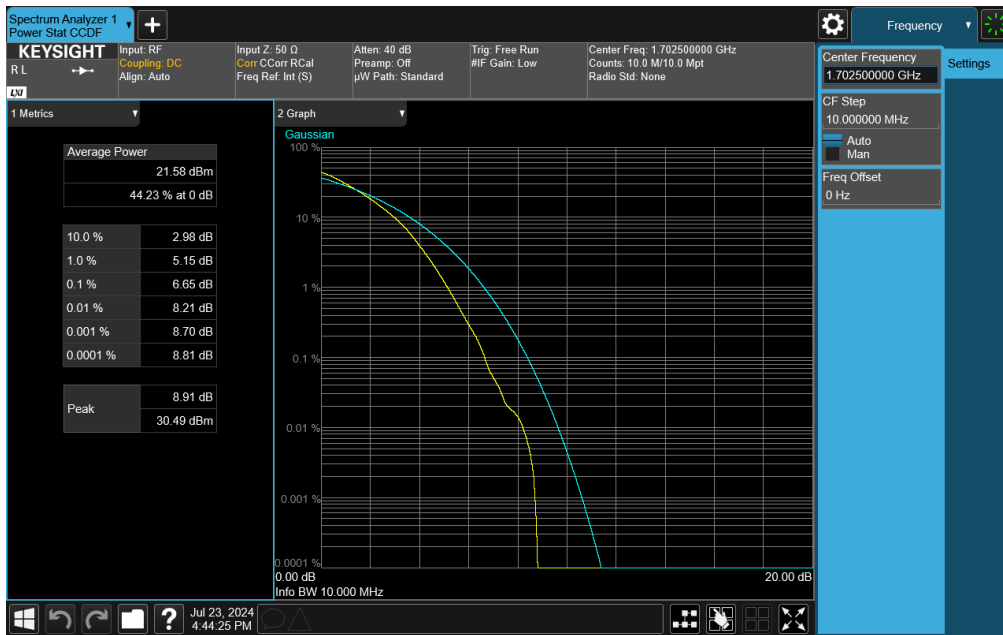
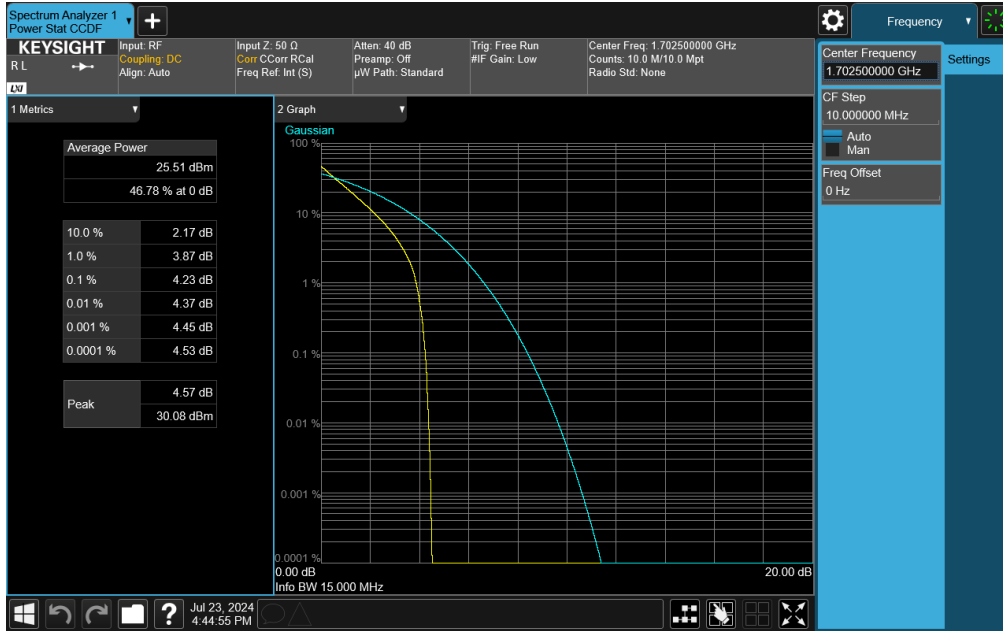


Plot 7-470. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)

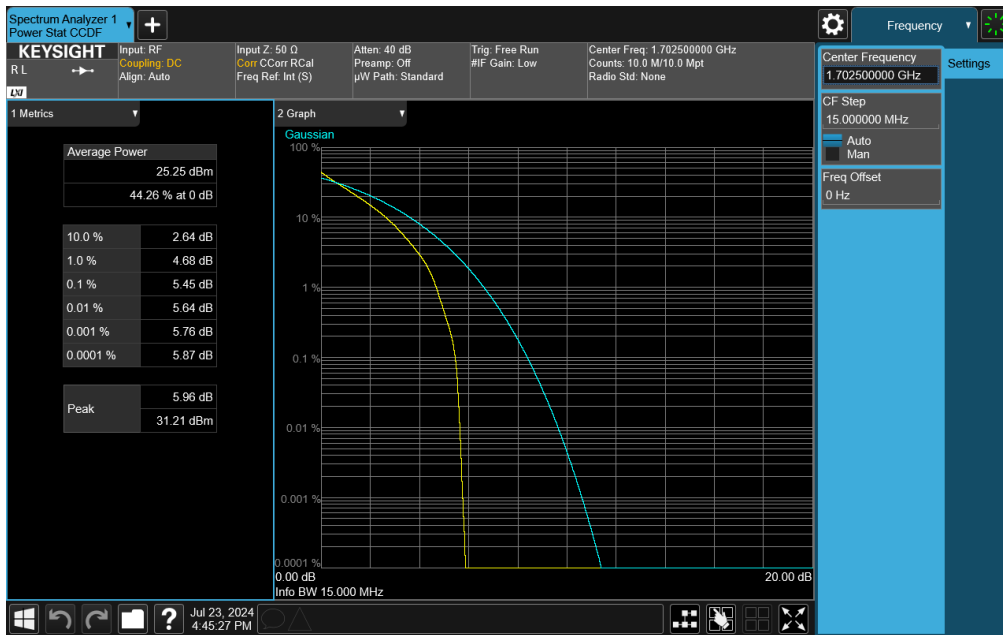


Plot 7-471. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
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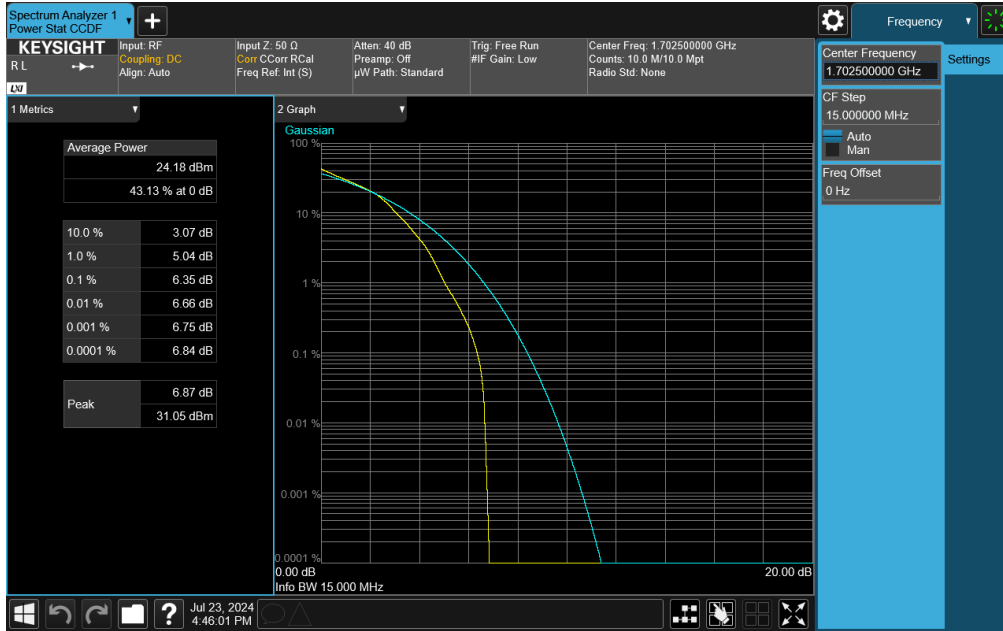


Plot 7-472. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

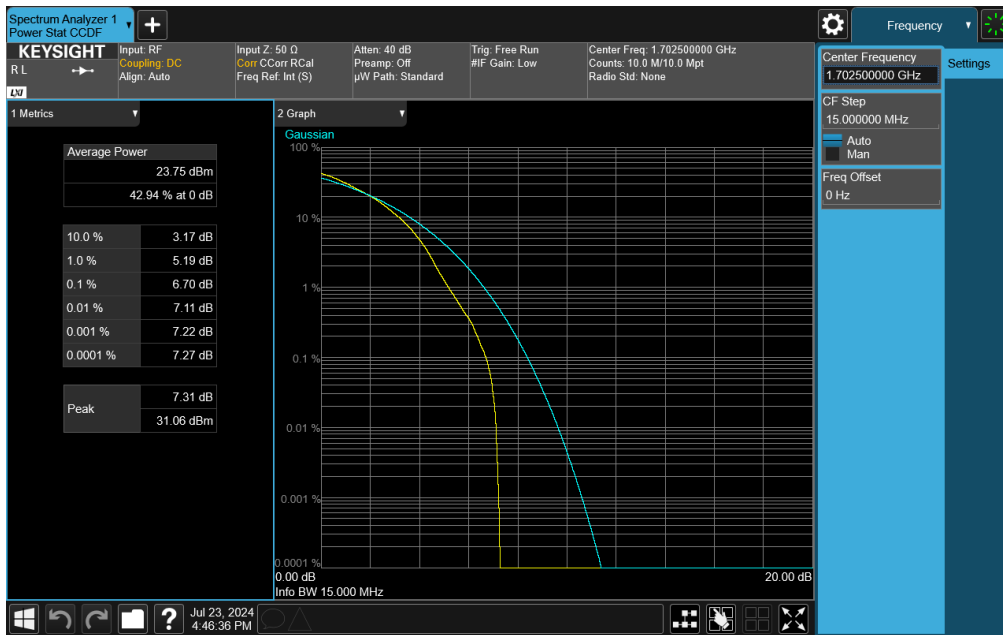


Plot 7-473. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
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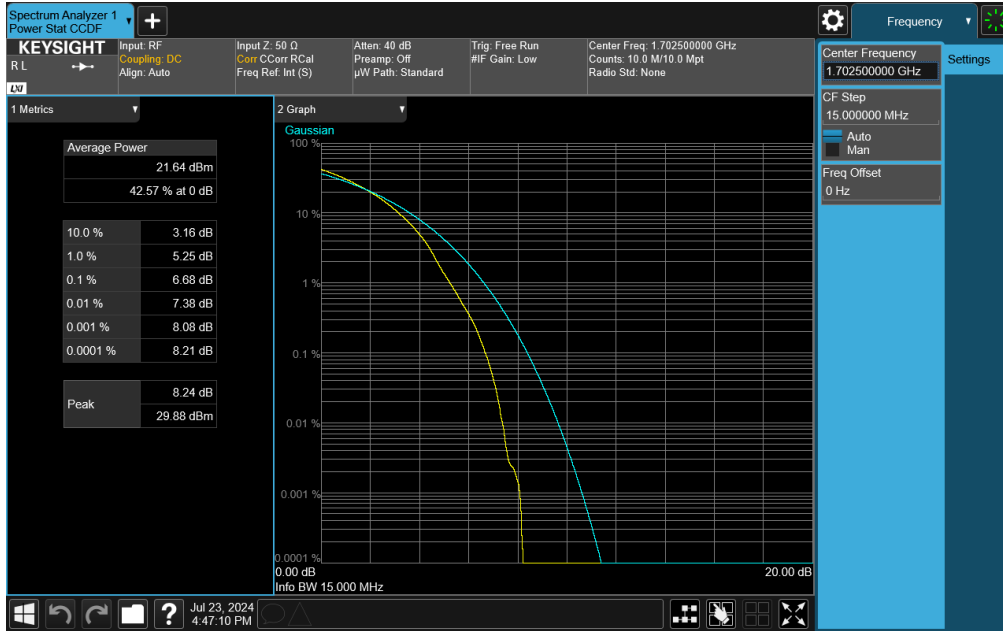


Plot 7-474. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)



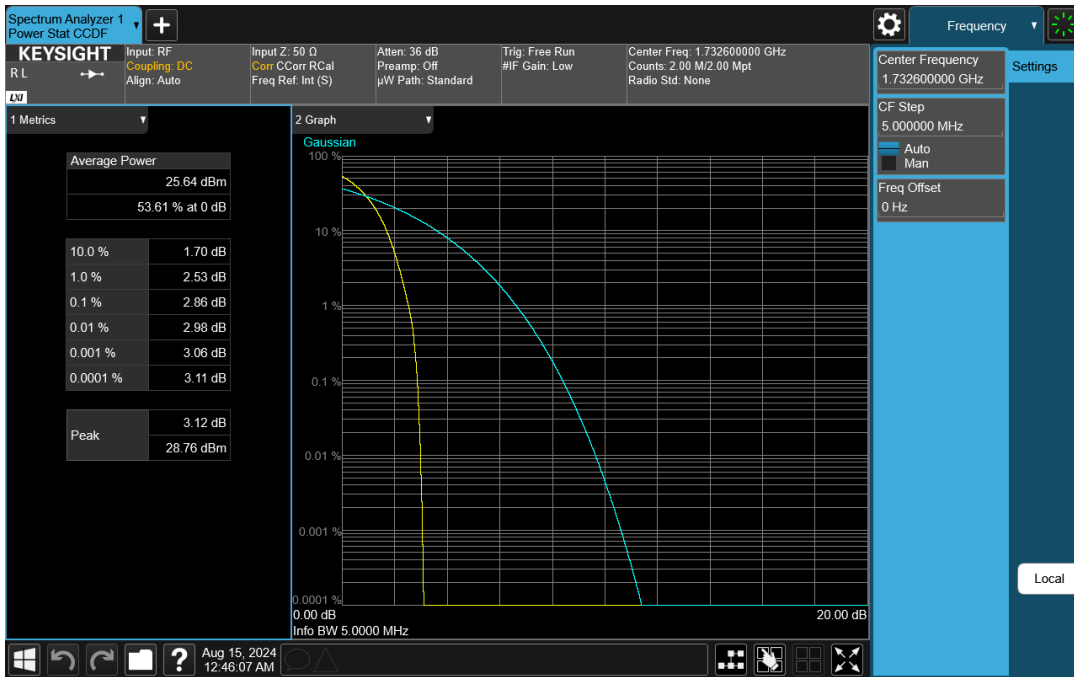
Plot 7-475. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
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Plot 7-476. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 267 of 350



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

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 268 of 350

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.

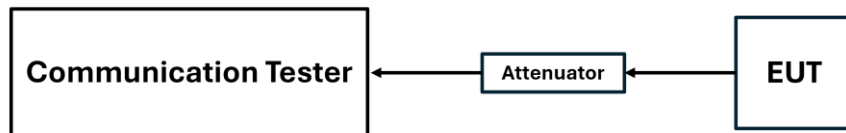


Figure 7-9. LTE EIRP Measurement Setup

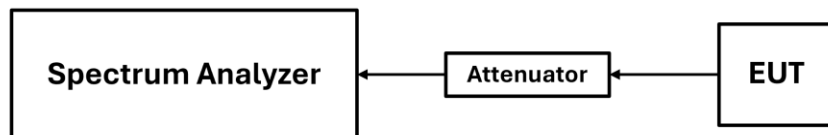




Figure 7-10. FR1 ERP/EIRP Measurement Setup

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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.


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7.6.1 Antenna 4 – EIRP/ERP

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	1.00	1 / 5	25.66	26.66	0.463	30.00	-3.34
		1745.0	1.00	1 / 5	25.61	26.61	0.458	30.00	-3.39
		1779.3	1.00	1 / 0	25.55	26.55	0.452	30.00	-3.45
	16-QAM	1779.3	1.00	1 / 5	24.71	25.71	0.372	30.00	-4.29
	64-QAM	1779.3	1.00	1 / 0	23.64	24.64	0.291	30.00	-5.36
	256-QAM	1779.3	1.00	1 / 0	20.81	21.81	0.152	30.00	-8.19
3 MHz	QPSK	1711.5	1.00	1 / 0	25.39	26.39	0.436	30.00	-3.61
		1745.0	1.00	1 / 0	25.49	26.49	0.446	30.00	-3.51
		1778.5	1.00	1 / 0	25.66	26.66	0.463	30.00	-3.34
	16-QAM	1745.0	1.00	1 / 0	24.71	25.71	0.372	30.00	-4.29
	64-QAM	1778.5	1.00	1 / 14	23.71	24.71	0.296	30.00	-5.29
	256-QAM	1778.5	1.00	1 / 14	20.74	21.74	0.149	30.00	-8.26
5 MHz	QPSK	1712.5	1.00	1 / 12	25.70	26.70	0.468	30.00	-3.30
		1745.0	1.00	1 / 0	25.39	26.39	0.436	30.00	-3.61
		1777.5	1.00	1 / 0	25.56	26.56	0.453	30.00	-3.44
	16-QAM	1712.5	1.00	1 / 12	24.69	25.69	0.371	30.00	-4.31
	64-QAM	1777.5	1.00	1 / 12	23.72	24.72	0.296	30.00	-5.28
	256-QAM	1745.0	1.00	1 / 12	20.84	21.84	0.153	30.00	-8.16
10 MHz	QPSK	1715.0	1.00	1 / 0	25.55	26.55	0.452	30.00	-3.45
		1745.0	1.00	1 / 25	25.67	26.67	0.465	30.00	-3.33
		1775.0	1.00	1 / 0	25.63	26.63	0.460	30.00	-3.37
	16-QAM	1715.0	1.00	1 / 49	24.72	25.72	0.373	30.00	-4.28
	64-QAM	1715.0	1.00	1 / 49	23.70	24.70	0.295	30.00	-5.30
	256-QAM	1775.0	1.00	1 / 25	20.81	21.81	0.152	30.00	-8.19
15 MHz	QPSK	1717.5	1.00	1 / 37	25.59	26.59	0.456	30.00	-3.41
		1745.0	1.00	1 / 74	25.57	26.57	0.454	30.00	-3.43
		1772.5	1.00	1 / 37	25.36	26.36	0.433	30.00	-3.64
	16-QAM	1745.0	1.00	1 / 0	24.66	25.66	0.368	30.00	-4.34
	64-QAM	1772.5	1.00	1 / 37	23.47	24.47	0.280	30.00	-5.53
	256-QAM	1717.5	1.00	1 / 0	20.71	21.71	0.148	30.00	-8.29
20 MHz	QPSK	1720.0	1.00	1 / 50	25.70	26.70	0.468	30.00	-3.30
		1745.0	1.00	1 / 99	25.62	26.62	0.459	30.00	-3.38
		1770.0	1.00	1 / 99	25.32	26.32	0.429	30.00	-3.68
	16-QAM	1770.0	1.00	1 / 0	24.50	25.50	0.355	30.00	-4.50
	64-QAM	1745.0	1.00	1 / 0	23.62	24.62	0.290	30.00	-5.38
	256-QAM	1720.0	1.00	1 / 0	20.77	21.77	0.150	30.00	-8.23


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 271 of 350

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	1.00	1 / 0	25.67	26.67	0.465	30.00	-3.33
		1732.5	1.00	1 / 0	25.57	26.57	0.454	30.00	-3.43
		1754.3	1.00	1 / 0	25.50	26.50	0.447	30.00	-3.50
	16-QAM	1732.5	1.00	1 / 0	24.87	25.87	0.386	30.00	-4.13
	64-QAM	1710.7	1.00	1 / 0	23.84	24.84	0.305	30.00	-5.16
	256-QAM	1732.5	1.00	1 / 0	20.68	21.68	0.147	30.00	-8.32
3 MHz	QPSK	1711.5	1.00	1 / 0	25.49	26.49	0.446	30.00	-3.51
		1732.5	1.00	1 / 0	25.57	26.57	0.454	30.00	-3.43
		1753.5	1.00	1 / 0	25.46	26.46	0.443	30.00	-3.54
	16-QAM	1711.5	1.00	1 / 0	24.92	25.92	0.391	30.00	-4.08
	64-QAM	1711.5	1.00	1 / 0	23.97	24.97	0.314	30.00	-5.03
	256-QAM	1753.5	1.00	1 / 0	20.75	21.75	0.150	30.00	-8.25
5 MHz	QPSK	1712.5	1.00	1 / 0	25.70	26.70	0.468	30.00	-3.30
		1732.5	1.00	1 / 0	25.69	26.69	0.467	30.00	-3.31
		1752.5	1.00	1 / 0	25.52	26.52	0.449	30.00	-3.48
	16-QAM	1712.5	1.00	1 / 0	25.07	26.07	0.405	30.00	-3.93
	64-QAM	1712.5	1.00	1 / 0	24.01	25.01	0.317	30.00	-4.99
	256-QAM	1712.5	1.00	1 / 0	20.71	21.71	0.148	30.00	-8.29
10 MHz	QPSK	1715.0	1.00	1 / 49	25.50	26.50	0.447	30.00	-3.50
		1732.5	1.00	1 / 49	25.55	26.55	0.452	30.00	-3.45
		1750.0	1.00	1 / 0	25.50	26.50	0.447	30.00	-3.50
	16-QAM	1750.0	1.00	1 / 49	24.96	25.96	0.394	30.00	-4.04
	64-QAM	1715.0	1.00	1 / 25	23.84	24.84	0.305	30.00	-5.16
	256-QAM	1732.5	1.00	1 / 0	20.79	21.79	0.151	30.00	-8.21
15 MHz	QPSK	1717.5	1.00	1 / 0	25.47	26.47	0.444	30.00	-3.53
		1732.5	1.00	1 / 37	25.47	26.47	0.444	30.00	-3.53
		1747.5	1.00	1 / 74	25.24	26.24	0.421	30.00	-3.76
	16-QAM	1747.5	1.00	1 / 0	24.86	25.86	0.385	30.00	-4.14
	64-QAM	1717.5	1.00	1 / 0	23.68	24.68	0.294	30.00	-5.32
	256-QAM	1717.5	1.00	1 / 0	20.59	21.59	0.144	30.00	-8.41
20 MHz	QPSK	1720.0	1.00	1 / 0	25.41	26.41	0.438	30.00	-3.59
		1732.5	1.00	1 / 50	25.36	26.36	0.433	30.00	-3.64
		1745.0	1.00	1 / 0	25.42	26.42	0.439	30.00	-3.58
	16-QAM	1732.5	1.00	1 / 0	25.09	26.09	0.406	30.00	-3.91
	64-QAM	1745.0	1.00	1 / 0	23.67	24.67	0.293	30.00	-5.33
	256-QAM	1720.0	1.00	1 / 99	20.51	21.51	0.142	30.00	-8.49


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 272 of 350

LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-1.70	1 / 0	25.62	21.77	0.150	34.77	-13.00
		680.5	-1.70	1 / 0	25.48	21.63	0.146	34.77	-13.14
		695.5	-1.70	1 / 0	25.70	21.85	0.153	34.77	-12.92
	16-QAM	680.5	-1.70	1 / 0	25.05	21.20	0.132	34.77	-13.57
	64-QAM	695.5	-1.70	1 / 24	23.73	19.88	0.097	34.77	-14.89
	256-QAM	680.5	-1.70	1 / 0	20.74	16.89	0.049	34.77	-17.88
10 MHz	QPSK	668.0	-1.70	1 / 0	25.37	21.52	0.142	34.77	-13.25
		680.5	-1.70	1 / 0	25.45	21.60	0.145	34.77	-13.17
		693.0	-1.70	1 / 25	25.50	21.65	0.146	34.77	-13.12
	16-QAM	680.5	-1.70	1 / 0	24.80	20.95	0.124	34.77	-13.82
	64-QAM	680.5	-1.70	1 / 0	23.77	19.92	0.098	34.77	-14.85
	256-QAM	680.5	-1.70	1 / 0	20.68	16.83	0.048	34.77	-17.94
15 MHz	QPSK	670.5	-1.70	1 / 0	25.31	21.46	0.140	34.77	-13.31
		680.5	-1.70	1 / 0	25.28	21.43	0.139	34.77	-13.34
		690.5	-1.70	1 / 0	25.32	21.47	0.140	34.77	-13.30
	16-QAM	670.5	-1.70	1 / 0	24.55	20.70	0.117	34.77	-14.07
	64-QAM	680.5	-1.70	1 / 0	23.52	19.67	0.093	34.77	-15.10
	256-QAM	670.5	-1.70	1 / 74	20.53	16.68	0.047	34.77	-18.09
20 MHz	QPSK	673.0	-1.70	1 / 0	25.24	21.39	0.138	34.77	-13.38
		680.5	-1.70	1 / 0	25.35	21.50	0.141	34.77	-13.27
		688.0	-1.70	1 / 0	25.32	21.47	0.140	34.77	-13.30
	16-QAM	680.5	-1.70	1 / 0	24.98	21.13	0.130	34.77	-13.64
	64-QAM	680.5	-1.70	1 / 0	23.69	19.84	0.096	34.77	-14.93
	256-QAM	680.5	-1.70	1 / 0	20.51	16.66	0.046	34.77	-18.11


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 273 of 350

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-1.30	6 / 0	25.07	21.62	0.145	34.77	-13.15
		707.5	-1.30	6 / 0	25.12	21.67	0.147	34.77	-13.10
		715.3	-1.30	6 / 0	25.21	21.76	0.150	34.77	-13.01
	16-QAM	715.3	-1.30	6 / 0	23.88	20.43	0.110	34.77	-14.34
	64-QAM	699.7	-1.30	6 / 0	22.65	19.20	0.083	34.77	-15.57
	256-QAM	707.5	-1.30	6 / 0	19.98	16.53	0.045	34.77	-18.24
3 MHz	QPSK	700.5	-1.30	1 / 14	25.59	22.14	0.164	34.77	-12.63
		707.5	-1.30	1 / 14	25.44	21.99	0.158	34.77	-12.78
		714.5	-1.30	1 / 14	25.49	22.04	0.160	34.77	-12.73
	16-QAM	700.5	-1.30	1 / 0	24.62	21.17	0.131	34.77	-13.60
	64-QAM	714.5	-1.30	1 / 7	23.68	20.23	0.105	34.77	-14.54
	256-QAM	714.5	-1.30	1 / 14	20.72	17.27	0.053	34.77	-17.50
5 MHz	QPSK	701.5	-1.30	1 / 0	25.70	22.25	0.168	34.77	-12.52
		707.5	-1.30	1 / 12	25.63	22.18	0.165	34.77	-12.59
		713.5	-1.30	1 / 24	25.60	22.15	0.164	34.77	-12.62
	16-QAM	707.5	-1.30	1 / 0	24.68	21.23	0.133	34.77	-13.54
	64-QAM	713.5	-1.30	1 / 24	23.54	20.09	0.102	34.77	-14.68
	256-QAM	713.5	-1.30	1 / 0	20.68	17.23	0.053	34.77	-17.54
10 MHz	QPSK	704.0	-1.30	1 / 0	25.70	22.25	0.168	34.77	-12.52
		707.5	-1.30	1 / 0	25.53	22.08	0.161	34.77	-12.69
		711.0	-1.30	1 / 0	25.70	22.25	0.168	34.77	-12.52
	16-QAM	704.0	-1.30	1 / 25	24.72	21.27	0.134	34.77	-13.50
	64-QAM	707.5	-1.30	1 / 0	23.72	20.27	0.106	34.77	-14.50
	256-QAM	704.0	-1.30	1 / 49	20.79	17.34	0.054	34.77	-17.43

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


FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 17

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-1.30	1 / 0	25.53	22.08	0.161	34.77	-12.69
		710.0	-1.30	1 / 24	25.62	22.17	0.165	34.77	-12.60
		713.5	-1.30	1 / 24	25.64	22.19	0.166	34.77	-12.58
	16-QAM	710.0	-1.30	1 / 0	24.69	21.24	0.133	34.77	-13.53
	64-QAM	710.0	-1.30	1 / 24	23.72	20.27	0.106	34.77	-14.50
	256-QAM	706.5	-1.30	1 / 24	20.81	17.36	0.054	34.77	-17.41
10 MHz	QPSK	709.0	-1.30	1 / 49	25.54	22.09	0.162	34.77	-12.68
		710.0	-1.30	1 / 49	25.52	22.07	0.161	34.77	-12.70
		711.0	-1.30	1 / 25	25.50	22.05	0.160	34.77	-12.72
	16-QAM	711.0	-1.30	1 / 25	24.71	21.26	0.134	34.77	-13.51
	64-QAM	710.0	-1.30	1 / 0	23.59	20.14	0.103	34.77	-14.63
	256-QAM	711.0	-1.30	1 / 49	20.81	17.36	0.054	34.77	-17.41

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


FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 275 of 350

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LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-1.30	1 / 0	25.70	22.25	0.168	34.77	-12.52
		782.0	-1.30	1 / 0	25.70	22.25	0.168	34.77	-12.52
		784.5	-1.30	1 / 0	25.50	22.05	0.160	34.77	-12.72
	16-QAM	784.5	-1.30	1 / 0	24.91	21.46	0.140	34.77	-13.31
	64-QAM	782.0	-1.30	1 / 12	23.90	20.45	0.111	34.77	-14.32
	256-QAM	784.5	-1.30	1 / 24	20.68	17.23	0.053	34.77	-17.54
10 MHz	QPSK	782.0	-1.30	1 / 0	25.43	21.98	0.158	34.77	-12.79
	16-QAM	782.0	-1.30	1 / 25	24.99	21.54	0.143	34.77	-13.23
	64-QAM	782.0	-1.30	1 / 0	23.71	20.26	0.106	34.77	-14.51
	256-QAM	782.0	-1.30	1 / 49	20.83	17.38	0.055	34.77	-17.39
		782.0	-1.30	1 / 49	20.83	17.38	0.055	34.77	-17.39

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 276 of 350

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	1.00	1 / 12	25.53	26.53	0.450	30.00	-3.47
		1745.0	1.00	1 / 1	25.55	26.55	0.452	30.00	-3.45
		1777.5	1.00	1 / 23	25.70	26.70	0.468	30.00	-3.30
	QPSK	1712.5	1.00	1 / 1	25.67	26.67	0.465	30.00	-3.33
		1745.0	1.00	1 / 23	25.52	26.52	0.449	30.00	-3.48
		1777.5	1.00	1 / 23	25.61	26.61	0.458	30.00	-3.39
		16-QAM	1777.5	1.00	1 / 23	24.70	25.70	0.372	30.00
	64-QAM	1712.5	1.00	1 / 12	23.62	24.62	0.290	30.00	-5.38
256-QAM	1712.5	1.00	1 / 12	20.75	21.75	0.150	30.00	-8.25	
10 MHz	π/2 BPSK	1715.0	1.00	1 / 25	25.45	26.45	0.442	30.00	-3.55
		1745.0	1.00	1 / 25	25.70	26.70	0.468	30.00	-3.30
		1775.0	1.00	1 / 1	25.68	26.68	0.466	30.00	-3.32
	QPSK	1715.0	1.00	1 / 25	25.55	26.55	0.452	30.00	-3.45
		1745.0	1.00	1 / 25	25.62	26.62	0.459	30.00	-3.38
		1775.0	1.00	1 / 25	25.67	26.67	0.465	30.00	-3.33
		16-QAM	1775.0	1.00	1 / 50	24.71	25.71	0.372	30.00
	64-QAM	1715.0	1.00	1 / 25	23.71	24.71	0.296	30.00	-5.29
256-QAM	1745.0	1.00	1 / 25	20.76	21.76	0.150	30.00	-8.24	
15 MHz	π/2 BPSK	1717.5	1.00	1 / 1	25.62	26.62	0.459	30.00	-3.38
		1745.0	1.00	1 / 1	25.53	26.53	0.450	30.00	-3.47
		1772.5	1.00	1 / 1	25.67	26.67	0.465	30.00	-3.33
	QPSK	1717.5	1.00	1 / 36	25.46	26.46	0.443	30.00	-3.54
		1745.0	1.00	1 / 1	25.63	26.63	0.460	30.00	-3.37
		1772.5	1.00	1 / 1	25.70	26.70	0.468	30.00	-3.30
		16-QAM	1717.5	1.00	1 / 77	24.58	25.58	0.361	30.00
	64-QAM	1772.5	1.00	1 / 77	23.69	24.69	0.294	30.00	-5.31
256-QAM	1745.0	1.00	1 / 1	20.78	21.78	0.151	30.00	-8.22	
20 MHz	π/2 BPSK	1720.0	1.00	1 / 1	25.70	26.70	0.468	30.00	-3.30
		1745.0	1.00	1 / 50	25.54	26.54	0.451	30.00	-3.46
		1770.0	1.00	1 / 50	25.64	26.64	0.461	30.00	-3.36
	QPSK	1720.0	1.00	1 / 1	25.67	26.67	0.465	30.00	-3.33
		1745.0	1.00	1 / 1	25.70	26.70	0.468	30.00	-3.30
		1770.0	1.00	1 / 104	25.69	26.69	0.467	30.00	-3.31
		16-QAM	1770.0	1.00	1 / 50	24.60	25.60	0.363	30.00
	64-QAM	1745.0	1.00	1 / 50	23.67	24.67	0.293	30.00	-5.33
256-QAM	1720.0	1.00	1 / 104	20.76	21.76	0.150	30.00	-8.24	
25 MHz	π/2 BPSK	1722.5	1.00	1 / 64	25.60	26.60	0.457	30.00	-3.40
		1745.0	1.00	1 / 131	25.52	26.52	0.449	30.00	-3.48
		1767.5	1.00	1 / 64	25.64	26.64	0.461	30.00	-3.36
	QPSK	1722.5	1.00	1 / 64	25.67	26.67	0.465	30.00	-3.33
		1745.0	1.00	1 / 1	25.44	26.44	0.441	30.00	-3.56
		1767.5	1.00	1 / 64	25.70	26.70	0.468	30.00	-3.30
		16-QAM	1722.5	1.00	1 / 131	24.68	25.68	0.370	30.00
	64-QAM	1722.5	1.00	1 / 131	23.71	24.71	0.296	30.00	-5.29
256-QAM	1767.5	1.00	1 / 64	20.82	21.82	0.152	30.00	-8.18	
30 MHz	π/2 BPSK	1725.0	1.00	1 / 80	25.70	26.70	0.468	30.00	-3.30
		1745.0	1.00	1 / 158	25.64	26.64	0.461	30.00	-3.36
		1765.0	1.00	1 / 80	25.63	26.63	0.460	30.00	-3.37
	QPSK	1725.0	1.00	1 / 80	25.63	26.63	0.460	30.00	-3.37
		1745.0	1.00	1 / 1	25.64	26.64	0.461	30.00	-3.36
		1765.0	1.00	1 / 80	25.66	26.66	0.463	30.00	-3.34
		16-QAM	1725.0	1.00	1 / 80	24.67	25.67	0.369	30.00
	64-QAM	1745.0	1.00	1 / 80	23.54	24.54	0.284	30.00	-5.46
256-QAM	1745.0	1.00	1 / 1	20.71	21.71	0.148	30.00	-8.29	
35 MHz	π/2 BPSK	1727.5	1.00	1 / 90	25.30	26.30	0.427	30.00	-3.70
		1745.0	1.00	1 / 1	25.55	26.55	0.452	30.00	-3.45
		1762.5	1.00	1 / 1	25.58	26.58	0.455	30.00	-3.42
	QPSK	1727.5	1.00	1 / 1	25.52	26.52	0.449	30.00	-3.48
		1745.0	1.00	1 / 186	25.54	26.54	0.451	30.00	-3.46
		1762.5	1.00	1 / 90	25.70	26.70	0.468	30.00	-3.30
		16-QAM	1727.5	1.00	1 / 186	24.69	25.69	0.371	30.00
	64-QAM	1762.5	1.00	1 / 1	23.71	24.71	0.296	30.00	-5.29
256-QAM	1762.5	1.00	1 / 1	20.71	21.71	0.148	30.00	-8.29	
40 MHz	π/2 BPSK	1730.0	1.00	1 / 108	25.70	26.70	0.468	30.00	-3.30
		1745.0	1.00	1 / 1	25.57	26.57	0.454	30.00	-3.43
		1760.0	1.00	1 / 108	25.36	26.36	0.433	30.00	-3.64
	QPSK	1730.0	1.00	1 / 214	25.59	26.59	0.456	30.00	-3.41
		1745.0	1.00	1 / 108	25.70	26.70	0.468	30.00	-3.30
		1760.0	1.00	1 / 108	25.52	26.52	0.449	30.00	-3.48
		16-QAM	1730.0	1.00	1 / 214	24.69	25.69	0.371	30.00
	64-QAM	1730.0	1.00	1 / 1	23.70	24.70	0.295	30.00	-5.30
256-QAM	1730.0	1.00	1 / 1	20.78	21.78	0.151	30.00	-8.22	


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

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
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NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-1.00	1 / 23	25.70	24.70	0.295	30.00	-5.30
		1702.5	-1.00	1 / 23	25.38	24.38	0.274	30.00	-5.62
		1707.5	-1.00	1 / 1	25.64	24.64	0.291	30.00	-5.36
	QPSK	1697.5	-1.00	1 / 12	25.67	24.67	0.293	30.00	-5.33
		1702.5	-1.00	1 / 23	25.63	24.63	0.290	30.00	-5.37
		1707.5	-1.00	1 / 12	25.68	24.68	0.294	30.00	-5.32
	16-QAM	1707.5	-1.00	1 / 1	24.69	23.69	0.234	30.00	-6.31
	64-QAM	1707.5	-1.00	1 / 1	23.69	22.69	0.186	30.00	-7.31
256-QAM	1702.5	-1.00	1 / 1	20.75	19.75	0.094	30.00	-10.25	
10 MHz	π/2 BPSK	1700.0	-1.00	1 / 50	25.55	24.55	0.285	30.00	-5.45
		1702.5	-1.00	1 / 1	25.51	24.51	0.282	30.00	-5.49
		1705.0	-1.00	1 / 50	25.59	24.59	0.288	30.00	-5.41
	QPSK	1700.0	-1.00	1 / 25	25.63	24.63	0.290	30.00	-5.37
		1702.5	-1.00	1 / 25	25.70	24.70	0.295	30.00	-5.30
		1705.0	-1.00	1 / 25	25.52	24.52	0.283	30.00	-5.48
	16-QAM	1702.5	-1.00	1 / 25	24.72	23.72	0.236	30.00	-6.28
	64-QAM	1705.0	-1.00	1 / 1	23.71	22.71	0.187	30.00	-7.29
256-QAM	1705.0	-1.00	1 / 50	20.57	19.57	0.091	30.00	-10.43	
15 MHz	π/2 BPSK	1702.5	-1.00	1 / 36	25.69	24.69	0.294	30.00	-5.31
	QPSK	1702.5	-1.00	1 / 1	25.68	24.68	0.294	30.00	-5.32
	16-QAM	1702.5	-1.00	1 / 77	24.49	23.49	0.223	30.00	-6.51
	64-QAM	1702.5	-1.00	1 / 77	23.49	22.49	0.177	30.00	-7.51
	256-QAM	1702.5	-1.00	1 / 36	20.71	19.71	0.094	30.00	-10.29


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 278 of 350

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-1.70	1 / 23	25.57	21.72	0.149	34.77	-13.05
		680.5	-1.70	1 / 1	25.61	21.76	0.150	34.77	-13.01
		695.5	-1.70	1 / 12	25.70	21.85	0.153	34.77	-12.92
	QPSK	665.5	-1.70	1 / 23	25.68	21.83	0.152	34.77	-12.94
		680.5	-1.70	1 / 1	25.57	21.72	0.149	34.77	-13.05
		695.5	-1.70	1 / 1	25.33	21.48	0.141	34.77	-13.29
	16-QAM	695.5	-1.70	1 / 1	24.71	20.86	0.122	34.77	-13.91
	64-QAM	695.5	-1.70	1 / 12	23.71	19.86	0.097	34.77	-14.91
256-QAM	695.5	-1.70	1 / 12	20.82	16.97	0.050	34.77	-17.80	
10 MHz	π/2 BPSK	668.0	-1.70	1 / 1	25.66	21.81	0.152	34.77	-12.96
		680.5	-1.70	1 / 1	25.52	21.67	0.147	34.77	-13.10
		693.0	-1.70	1 / 1	25.53	21.68	0.147	34.77	-13.09
	QPSK	668.0	-1.70	1 / 25	25.70	21.85	0.153	34.77	-12.92
		680.5	-1.70	1 / 25	25.45	21.60	0.145	34.77	-13.17
		693.0	-1.70	1 / 50	25.47	21.62	0.145	34.77	-13.15
	16-QAM	680.5	-1.70	1 / 1	24.70	20.85	0.122	34.77	-13.92
	64-QAM	680.5	-1.70	1 / 1	23.73	19.88	0.097	34.77	-14.89
256-QAM	693.0	-1.70	1 / 0	20.81	16.96	0.050	34.77	-17.81	
15 MHz	π/2 BPSK	670.5	-1.70	1 / 36	25.57	21.72	0.149	34.77	-13.05
		680.5	-1.70	1 / 1	25.70	21.85	0.153	34.77	-12.92
		690.5	-1.70	1 / 1	25.51	21.66	0.147	34.77	-13.11
	QPSK	670.5	-1.70	1 / 1	25.65	21.80	0.151	34.77	-12.97
		680.5	-1.70	1 / 77	25.65	21.80	0.151	34.77	-12.97
		690.5	-1.70	1 / 77	25.65	21.80	0.151	34.77	-12.97
	16-QAM	670.5	-1.70	1 / 36	24.72	20.87	0.122	34.77	-13.90
	64-QAM	670.5	-1.70	1 / 77	23.68	19.83	0.096	34.77	-14.94
256-QAM	680.5	-1.70	1 / 1	20.82	16.97	0.050	34.77	-17.80	
20 MHz	π/2 BPSK	673.0	-1.70	1 / 50	25.64	21.79	0.151	34.77	-12.98
		680.5	-1.70	1 / 1	25.70	21.85	0.153	34.77	-12.92
		688.0	-1.70	1 / 1	25.60	21.75	0.150	34.77	-13.02
	QPSK	673.0	-1.70	1 / 104	25.67	21.82	0.152	34.77	-12.95
		680.5	-1.70	1 / 104	25.55	21.70	0.148	34.77	-13.07
		688.0	-1.70	1 / 104	25.64	21.79	0.151	34.77	-12.98
	16-QAM	673.0	-1.70	1 / 1	24.65	20.80	0.120	34.77	-13.97
	64-QAM	673.0	-1.70	1 / 1	23.76	19.91	0.098	34.77	-14.86
256-QAM	673.0	-1.70	1 / 50	20.83	16.98	0.050	34.77	-17.79	


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
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NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	701.5	-1.30	1 / 23	25.55	22.10	0.162	34.77	-12.67
		707.5	-1.30	1 / 1	25.63	22.18	0.165	34.77	-12.59
		713.5	-1.30	1 / 12	25.70	22.25	0.168	34.77	-12.52
	QPSK	701.5	-1.30	1 / 12	25.58	22.13	0.163	34.77	-12.64
		707.5	-1.30	1 / 12	25.39	21.94	0.156	34.77	-12.83
		713.5	-1.30	1 / 12	25.67	22.22	0.167	34.77	-12.55
	16-QAM	701.5	-1.30	1 / 12	24.66	21.21	0.132	34.77	-13.56
	64-QAM	701.5	-1.30	1 / 12	23.61	20.16	0.104	34.77	-14.61
256-QAM	707.5	-1.30	1 / 23	20.82	17.37	0.055	34.77	-17.40	
10 MHz	π/2 BPSK	704.0	-1.30	1 / 25	25.50	22.05	0.160	34.77	-12.72
		707.5	-1.30	1 / 1	25.48	22.03	0.160	34.77	-12.74
		711.0	-1.30	1 / 50	25.64	22.19	0.166	34.77	-12.58
	QPSK	704.0	-1.30	1 / 25	25.65	22.20	0.166	34.77	-12.57
		707.5	-1.30	1 / 50	25.69	22.24	0.167	34.77	-12.53
		711.0	-1.30	1 / 1	25.70	22.25	0.168	34.77	-12.52
	16-QAM	711.0	-1.30	1 / 1	24.70	21.25	0.133	34.77	-13.52
	64-QAM	711.0	-1.30	1 / 1	23.69	20.24	0.106	34.77	-14.53
256-QAM	711.0	-1.30	1 / 50	20.80	17.35	0.054	34.77	-17.42	
15 MHz	π/2 BPSK	706.5	-1.30	1 / 1	25.43	21.98	0.158	34.77	-12.79
		707.5	-1.30	1 / 77	25.68	22.23	0.167	34.77	-12.54
		708.5	-1.30	1 / 36	25.29	21.84	0.153	34.77	-12.93
	QPSK	706.5	-1.30	1 / 36	25.70	22.25	0.168	34.77	-12.52
		707.5	-1.30	1 / 77	25.62	22.17	0.165	34.77	-12.60
		708.5	-1.30	1 / 77	25.49	22.04	0.160	34.77	-12.73
	16-QAM	707.5	-1.30	1 / 36	24.68	21.23	0.133	34.77	-13.54
	64-QAM	706.5	-1.30	1 / 36	23.64	20.19	0.104	34.77	-14.58
256-QAM	707.5	-1.30	1 / 1	20.78	17.33	0.054	34.77	-17.44	


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 280 of 350

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.58	1.00	26.58	0.455	30.00	-3.42
1732.60	WCDMA1700	25.60	1.00	26.60	0.457	30.00	-3.40
1752.60	WCDMA1700	25.64	1.00	26.64	0.461	30.00	-3.36

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


FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 281 of 350

7.6.2 Antenna 3b – ERP

LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	
5 MHz	QPSK	665.5	-2.70	1 / 0	25.20	20.35	0.108	34.77	-14.42	
		680.5	-2.70	1 / 0	24.93	20.08	0.102	34.77	-14.69	
		695.5	-2.70	1 / 0	25.14	20.29	0.107	34.77	-14.48	
	16-QAM	695.5	-2.70	1 / 0	24.42	19.57	0.091	34.77	-15.20	
	64-QAM	680.5	-2.70	1 / 0	23.21	18.36	0.069	34.77	-16.41	
10 MHz	QPSK	665.5	-2.70	1 / 0	20.18	15.33	0.034	34.77	-19.44	
		668.0	-2.70	1 / 25	25.01	20.16	0.104	34.77	-14.61	
		680.5	-2.70	1 / 25	24.93	20.08	0.102	34.77	-14.69	
	16-QAM	693.0	-2.70	1 / 25	24.98	20.13	0.103	34.77	-14.64	
	64-QAM	680.5	-2.70	1 / 25	24.34	19.49	0.089	34.77	-15.28	
15 MHz	QPSK	693.0	-2.70	1 / 25	23.11	18.26	0.067	34.77	-16.51	
		256-QAM	693.0	-2.70	1 / 0	20.16	15.31	0.034	34.77	-19.46
		670.5	-2.70	1 / 0	24.94	20.09	0.102	34.77	-14.68	
	16-QAM	680.5	-2.70	1 / 37	24.80	19.95	0.099	34.77	-14.82	
	64-QAM	690.5	-2.70	1 / 0	24.87	20.02	0.100	34.77	-14.75	
20 MHz	QPSK	670.5	-2.70	1 / 37	24.16	19.31	0.085	34.77	-15.46	
		680.5	-2.70	1 / 0	23.01	18.16	0.065	34.77	-16.61	
		256-QAM	680.5	-2.70	1 / 0	19.97	15.12	0.033	34.77	-19.65
	16-QAM	673.0	-2.70	1 / 0	24.76	19.91	0.098	34.77	-14.86	
	64-QAM	680.5	-2.70	1 / 0	24.71	19.86	0.097	34.77	-14.91	
20 MHz	QPSK	688.0	-2.70	1 / 0	24.84	19.99	0.100	34.77	-14.78	
		16-QAM	688.0	-2.70	1 / 0	24.37	19.52	0.090	34.77	-15.25
	64-QAM	688.0	-2.70	1 / 0	23.05	18.20	0.066	34.77	-16.57	
	256-QAM	688.0	-2.70	1 / 0	20.01	15.16	0.033	34.77	-19.61	


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 282 of 350

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-2.00	6 / 0	24.71	20.56	0.114	34.77	-14.21
		707.5	-2.00	6 / 0	24.68	20.53	0.113	34.77	-14.24
		715.3	-2.00	6 / 0	24.55	20.40	0.110	34.77	-14.37
	16-QAM	699.7	-2.00	6 / 0	23.19	19.04	0.080	34.77	-15.73
	64-QAM	707.5	-2.00	6 / 0	22.09	17.94	0.062	34.77	-16.83
256-QAM	707.5	-2.00	6 / 0	19.31	15.16	0.033	34.77	-19.61	
3 MHz	QPSK	700.5	-2.00	1 / 14	24.96	20.81	0.121	34.77	-13.96
		707.5	-2.00	1 / 7	25.09	20.94	0.124	34.77	-13.83
		714.5	-2.00	1 / 0	25.15	21.00	0.126	34.77	-13.77
	16-QAM	707.5	-2.00	1 / 7	24.17	20.02	0.100	34.77	-14.75
	64-QAM	714.5	-2.00	1 / 0	23.18	19.03	0.080	34.77	-15.74
256-QAM	714.5	-2.00	1 / 7	20.30	16.15	0.041	34.77	-18.62	
5 MHz	QPSK	701.5	-2.00	1 / 24	25.03	20.88	0.122	34.77	-13.89
		707.5	-2.00	1 / 0	25.11	20.96	0.125	34.77	-13.81
		713.5	-2.00	1 / 0	25.06	20.91	0.123	34.77	-13.86
	16-QAM	701.5	-2.00	1 / 0	24.02	19.87	0.097	34.77	-14.90
	64-QAM	707.5	-2.00	1 / 12	23.17	19.02	0.080	34.77	-15.75
256-QAM	701.5	-2.00	1 / 12	20.30	16.15	0.041	34.77	-18.62	
10 MHz	QPSK	704.0	-2.00	1 / 0	25.18	21.03	0.127	34.77	-13.74
		707.5	-2.00	1 / 49	25.18	21.03	0.127	34.77	-13.74
		711.0	-2.00	1 / 25	25.09	20.94	0.124	34.77	-13.83
	16-QAM	704.0	-2.00	1 / 25	24.21	20.06	0.101	34.77	-14.71
	64-QAM	707.5	-2.00	1 / 25	23.11	18.96	0.079	34.77	-15.81
256-QAM	707.5	-2.00	1 / 0	20.28	16.13	0.041	34.77	-18.64	


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 283 of 350

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-2.10	1 / 0	25.18	20.93	0.124	34.77	-13.84
		782.0	-2.10	1 / 0	24.96	20.71	0.118	34.77	-14.06
		784.5	-2.10	1 / 0	25.20	20.95	0.124	34.77	-13.82
	16-QAM	784.5	-2.10	1 / 0	24.40	20.15	0.104	34.77	-14.62
	64-QAM	782.0	-2.10	1 / 0	23.28	19.03	0.080	34.77	-15.74
	256-QAM	782.0	-2.10	1 / 0	20.29	16.04	0.040	34.77	-18.73
10 MHz	QPSK	782.0	-2.10	1 / 49	25.00	20.75	0.119	34.77	-14.02
	16-QAM	782.0	-2.10	1 / 49	24.22	19.97	0.099	34.77	-14.80
	64-QAM	782.0	-2.10	1 / 49	23.10	18.85	0.077	34.77	-15.92
	256-QAM	782.0	-2.10	1 / 0	20.19	15.94	0.039	34.77	-18.83


Table 7-15. Antenna 3b ERP Data (LTE Band 13)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 284 of 350

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-2.70	1 / 12	25.11	20.26	0.106	34.77	-14.51
		680.5	-2.70	1 / 23	25.15	20.30	0.107	34.77	-14.47
		695.5	-2.70	1 / 12	25.07	20.22	0.105	34.77	-14.55
	QPSK	665.5	-2.70	1 / 1	24.93	20.08	0.102	34.77	-14.69
		680.5	-2.70	1 / 1	25.20	20.35	0.108	34.77	-14.42
		695.5	-2.70	1 / 12	25.15	20.30	0.107	34.77	-14.47
	16-QAM	680.5	-2.70	1 / 12	23.89	19.04	0.080	34.77	-15.73
	64-QAM	665.5	-2.70	1 / 1	23.20	18.35	0.068	34.77	-16.42
256-QAM	695.5	-2.70	1 / 1	20.25	15.40	0.035	34.77	-19.37	
10 MHz	π/2 BPSK	668.0	-2.70	1 / 1	25.05	20.20	0.105	34.77	-14.57
		680.5	-2.70	1 / 50	25.20	20.35	0.108	34.77	-14.42
		693.0	-2.70	1 / 25	24.90	20.05	0.101	34.77	-14.72
	QPSK	668.0	-2.70	1 / 25	25.14	20.29	0.107	34.77	-14.48
		680.5	-2.70	1 / 1	25.11	20.26	0.106	34.77	-14.51
		693.0	-2.70	1 / 50	25.03	20.18	0.104	34.77	-14.59
	16-QAM	668.0	-2.70	1 / 25	24.20	19.35	0.086	34.77	-15.42
	64-QAM	668.0	-2.70	1 / 25	23.01	18.16	0.065	34.77	-16.61
256-QAM	693.0	-2.70	1 / 49	20.33	15.48	0.035	34.77	-19.29	
15 MHz	π/2 BPSK	670.5	-2.70	1 / 77	25.04	20.19	0.104	34.77	-14.58
		680.5	-2.70	1 / 1	24.92	20.07	0.102	34.77	-14.70
		690.5	-2.70	1 / 77	25.20	20.35	0.108	34.77	-14.42
	QPSK	670.5	-2.70	1 / 36	25.01	20.16	0.104	34.77	-14.61
		680.5	-2.70	1 / 1	24.99	20.14	0.103	34.77	-14.63
		690.5	-2.70	1 / 77	25.19	20.34	0.108	34.77	-14.43
	16-QAM	680.5	-2.70	1 / 1	24.22	19.37	0.086	34.77	-15.40
	64-QAM	670.5	-2.70	1 / 1	23.20	18.35	0.068	34.77	-16.42
256-QAM	690.5	-2.70	1 / 77	20.27	15.42	0.035	34.77	-19.35	
20 MHz	π/2 BPSK	673.0	-2.70	1 / 104	25.20	20.35	0.108	34.77	-14.42
		680.5	-2.70	1 / 104	25.01	20.16	0.104	34.77	-14.61
		688.0	-2.70	1 / 1	24.91	20.06	0.101	34.77	-14.71
	QPSK	673.0	-2.70	1 / 104	25.04	20.19	0.104	34.77	-14.58
		680.5	-2.70	1 / 50	25.18	20.33	0.108	34.77	-14.44
		688.0	-2.70	1 / 1	25.16	20.31	0.107	34.77	-14.46
	16-QAM	688.0	-2.70	1 / 1	24.17	19.32	0.086	34.77	-15.45
	64-QAM	688.0	-2.70	1 / 1	23.20	18.35	0.068	34.77	-16.42
256-QAM	680.5	-2.70	1 / 1	20.24	15.39	0.035	34.77	-19.38	


Table 7-16. Antenna 3b ERP Data (NR Band n71)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 285 of 350

NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	701.5	-2.00	1 / 23	25.20	21.05	0.127	34.77	-13.72
		707.5	-2.00	1 / 23	25.03	20.88	0.122	34.77	-13.89
		713.5	-2.00	1 / 23	25.01	20.86	0.122	34.77	-13.91
	QPSK	701.5	-2.00	1 / 12	25.19	21.04	0.127	34.77	-13.73
		707.5	-2.00	1 / 1	25.02	20.87	0.122	34.77	-13.90
		713.5	-2.00	1 / 23	25.12	20.97	0.125	34.77	-13.80
	16-QAM	707.5	-2.00	1 / 1	24.17	20.02	0.100	34.77	-14.75
	64-QAM	713.5	-2.00	1 / 1	23.13	18.98	0.079	34.77	-15.79
256-QAM	707.5	-2.00	1 / 1	20.26	16.11	0.041	34.77	-18.66	
10 MHz	π/2 BPSK	704.0	-2.00	1 / 50	25.20	21.05	0.127	34.77	-13.72
		707.5	-2.00	1 / 50	25.17	21.02	0.126	34.77	-13.75
		711.0	-2.00	1 / 1	25.17	21.02	0.126	34.77	-13.75
	QPSK	704.0	-2.00	1 / 25	25.01	20.86	0.122	34.77	-13.91
		707.5	-2.00	1 / 1	24.92	20.77	0.119	34.77	-14.00
		711.0	-2.00	1 / 1	25.17	21.02	0.126	34.77	-13.75
	16-QAM	711.0	-2.00	1 / 1	24.13	19.98	0.100	34.77	-14.79
	64-QAM	704.0	-2.00	1 / 1	23.16	19.01	0.080	34.77	-15.76
256-QAM	704.0	-2.00	1 / 1	20.28	16.13	0.041	34.77	-18.64	
15 MHz	π/2 BPSK	706.5	-2.00	1 / 36	25.11	20.96	0.125	34.77	-13.81
		707.5	-2.00	1 / 77	25.03	20.88	0.122	34.77	-13.89
		708.5	-2.00	1 / 1	24.84	20.69	0.117	34.77	-14.08
	QPSK	706.5	-2.00	1 / 1	25.20	21.05	0.127	34.77	-13.72
		707.5	-2.00	1 / 1	24.77	20.62	0.115	34.77	-14.15
		708.5	-2.00	1 / 36	24.97	20.82	0.121	34.77	-13.95
	16-QAM	706.5	-2.00	1 / 77	24.09	19.94	0.099	34.77	-14.83
	64-QAM	706.5	-2.00	1 / 77	23.11	18.96	0.079	34.77	-15.81
256-QAM	707.5	-2.00	1 / 77	20.24	16.09	0.041	34.77	-18.68	

Table 7-17. Antenna 3b ERP Data (NR Band n12)


FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 286 of 350

7.6.3 Antenna 2b – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.30	1 / 0	25.57	23.27	0.212	30.00	-6.73
		1745.0	-2.30	1 / 0	25.43	23.13	0.206	30.00	-6.87
		1779.3	-2.30	1 / 5	25.70	23.40	0.219	30.00	-6.60
	16-QAM	1779.3	-2.30	1 / 3	24.79	22.49	0.177	30.00	-7.51
	64-QAM	1779.3	-2.30	1 / 0	23.84	21.54	0.143	30.00	-8.46
	256-QAM	1710.7	-2.30	1 / 3	20.92	18.62	0.073	30.00	-11.38
3 MHz	QPSK	1711.5	-2.30	1 / 14	25.48	23.18	0.208	30.00	-6.82
		1745.0	-2.30	1 / 0	25.59	23.29	0.213	30.00	-6.71
		1778.5	-2.30	1 / 0	25.50	23.20	0.209	30.00	-6.80
	16-QAM	1745.0	-2.30	1 / 14	24.63	22.33	0.171	30.00	-7.67
	64-QAM	1778.5	-2.30	1 / 7	23.62	21.32	0.136	30.00	-8.68
	256-QAM	1711.5	-2.30	1 / 7	20.79	18.49	0.071	30.00	-11.51
5 MHz	QPSK	1712.5	-2.30	1 / 24	25.66	23.36	0.217	30.00	-6.64
		1745.0	-2.30	1 / 24	25.60	23.30	0.214	30.00	-6.70
		1777.5	-2.30	1 / 12	25.55	23.25	0.211	30.00	-6.75
	16-QAM	1745.0	-2.30	1 / 0	24.65	22.35	0.172	30.00	-7.65
	64-QAM	1777.5	-2.30	1 / 24	23.70	21.40	0.138	30.00	-8.60
	256-QAM	1777.5	-2.30	1 / 12	20.70	18.40	0.069	30.00	-11.60
10 MHz	QPSK	1715.0	-2.30	1 / 0	25.41	23.11	0.205	30.00	-6.89
		1745.0	-2.30	1 / 49	25.59	23.29	0.213	30.00	-6.71
		1775.0	-2.30	1 / 0	25.70	23.40	0.219	30.00	-6.60
	16-QAM	1715.0	-2.30	1 / 0	24.62	22.32	0.171	30.00	-7.68
	64-QAM	1715.0	-2.30	1 / 25	23.68	21.38	0.137	30.00	-8.62
	256-QAM	1745.0	-2.30	1 / 49	20.72	18.42	0.070	30.00	-11.58
15 MHz	QPSK	1717.5	-2.30	1 / 0	25.36	23.06	0.202	30.00	-6.94
		1745.0	-2.30	1 / 37	25.67	23.37	0.217	30.00	-6.63
		1772.5	-2.30	1 / 37	25.32	23.02	0.200	30.00	-6.98
	16-QAM	1772.5	-2.30	1 / 37	24.72	22.42	0.175	30.00	-7.58
	64-QAM	1745.0	-2.30	1 / 74	23.68	21.38	0.137	30.00	-8.62
	256-QAM	1745.0	-2.30	1 / 0	20.76	18.46	0.070	30.00	-11.54
20 MHz	QPSK	1720.0	-2.30	1 / 0	25.68	23.38	0.218	30.00	-6.62
		1745.0	-2.30	1 / 99	25.70	23.40	0.219	30.00	-6.60
		1770.0	-2.30	1 / 50	25.50	23.20	0.209	30.00	-6.80
	16-QAM	1770.0	-2.30	1 / 0	24.70	22.40	0.174	30.00	-7.60
	64-QAM	1720.0	-2.30	1 / 50	23.66	21.36	0.137	30.00	-8.64
	256-QAM	1770.0	-2.30	1 / 50	20.64	18.34	0.068	30.00	-11.66


Table 7-18. Antenna 2b EIRP Data (LTE Band 66)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 287 of 350

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.30	1 / 0	25.58	23.28	0.213	30.00	-6.72
		1732.5	-2.30	1 / 0	25.61	23.31	0.214	30.00	-6.69
		1754.3	-2.30	1 / 5	25.62	23.32	0.215	30.00	-6.68
	16-QAM	1754.3	-2.30	1 / 0	24.94	22.64	0.184	30.00	-7.36
	64-QAM	1754.3	-2.30	1 / 0	23.94	21.64	0.146	30.00	-8.36
	256-QAM	1732.5	-2.30	1 / 5	20.77	18.47	0.070	30.00	-11.53
3 MHz	QPSK	1711.5	-2.30	1 / 0	25.49	23.19	0.208	30.00	-6.81
		1732.5	-2.30	1 / 0	25.65	23.35	0.216	30.00	-6.65
		1753.5	-2.30	1 / 0	25.64	23.34	0.216	30.00	-6.66
	16-QAM	1753.5	-2.30	1 / 0	25.09	22.79	0.190	30.00	-7.21
	64-QAM	1711.5	-2.30	1 / 0	23.81	21.51	0.142	30.00	-8.49
	256-QAM	1753.5	-2.30	1 / 0	20.84	18.54	0.071	30.00	-11.46
5 MHz	QPSK	1712.5	-2.30	1 / 0	25.64	23.34	0.216	30.00	-6.66
		1732.5	-2.30	1 / 0	25.70	23.40	0.219	30.00	-6.60
		1752.5	-2.30	1 / 0	25.67	23.37	0.217	30.00	-6.63
	16-QAM	1732.5	-2.30	1 / 0	25.06	22.76	0.189	30.00	-7.24
	64-QAM	1732.5	-2.30	1 / 0	24.06	21.76	0.150	30.00	-8.24
	256-QAM	1752.5	-2.30	1 / 0	20.96	18.66	0.073	30.00	-11.34
10 MHz	QPSK	1715.0	-2.30	1 / 0	25.52	23.22	0.210	30.00	-6.78
		1732.5	-2.30	1 / 0	25.65	23.35	0.216	30.00	-6.65
		1750.0	-2.30	1 / 0	25.57	23.27	0.212	30.00	-6.73
	16-QAM	1750.0	-2.30	1 / 0	25.03	22.73	0.187	30.00	-7.27
	64-QAM	1750.0	-2.30	1 / 0	23.74	21.44	0.139	30.00	-8.56
	256-QAM	1750.0	-2.30	1 / 0	20.75	18.45	0.070	30.00	-11.55
15 MHz	QPSK	1717.5	-2.30	1 / 0	25.38	23.08	0.203	30.00	-6.92
		1732.5	-2.30	1 / 0	25.56	23.26	0.212	30.00	-6.74
		1747.5	-2.30	1 / 74	25.44	23.14	0.206	30.00	-6.86
	16-QAM	1747.5	-2.30	1 / 0	24.80	22.50	0.178	30.00	-7.50
	64-QAM	1717.5	-2.30	1 / 74	23.78	21.48	0.141	30.00	-8.52
	256-QAM	1747.5	-2.30	1 / 0	20.91	18.61	0.073	30.00	-11.39
20 MHz	QPSK	1720.0	-2.30	1 / 0	25.38	23.08	0.203	30.00	-6.92
		1732.5	-2.30	1 / 0	25.19	22.89	0.195	30.00	-7.11
		1745.0	-2.30	1 / 0	25.54	23.24	0.211	30.00	-6.76
	16-QAM	1745.0	-2.30	1 / 0	24.96	22.66	0.185	30.00	-7.34
	64-QAM	1745.0	-2.30	1 / 0	23.87	21.57	0.144	30.00	-8.43
	256-QAM	1720.0	-2.30	1 / 50	20.60	18.30	0.068	30.00	-11.70

Table 7-19. Antenna 2b EIRP Data (LTE Band 4)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 288 of 350

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-2.30	1 / 23	25.65	23.35	0.216	30.00	-6.65
		1745.0	-2.30	1 / 12	25.61	23.31	0.214	30.00	-6.69
		1777.5	-2.30	1 / 12	25.46	23.16	0.207	30.00	-6.84
	QPSK	1712.5	-2.30	1 / 12	25.70	23.40	0.219	30.00	-6.60
		1745.0	-2.30	1 / 12	25.69	23.39	0.218	30.00	-6.61
		1777.5	-2.30	1 / 23	25.60	23.30	0.214	30.00	-6.70
	16-QAM	1712.5	-2.30	1 / 1	24.63	22.33	0.171	30.00	-7.67
64-QAM	1777.5	-2.30	1 / 1	23.72	21.42	0.139	30.00	-8.58	
256-QAM	1777.5	-2.30	1 / 23	20.84	18.54	0.071	30.00	-11.46	
10 MHz	π/2 BPSK	1715.0	-2.30	1 / 1	25.67	23.37	0.217	30.00	-6.63
		1745.0	-2.30	1 / 25	25.37	23.07	0.203	30.00	-6.93
		1775.0	-2.30	1 / 25	25.61	23.31	0.214	30.00	-6.69
	QPSK	1715.0	-2.30	1 / 1	25.55	23.25	0.211	30.00	-6.75
		1745.0	-2.30	1 / 1	25.70	23.40	0.219	30.00	-6.60
		1775.0	-2.30	1 / 25	25.43	23.13	0.206	30.00	-6.87
	16-QAM	1715.0	-2.30	1 / 50	24.67	22.37	0.173	30.00	-7.63
64-QAM	1775.0	-2.30	1 / 25	23.66	21.36	0.137	30.00	-8.64	
256-QAM	1745.0	-2.30	1 / 1	20.72	18.42	0.070	30.00	-11.58	
15 MHz	π/2 BPSK	1717.5	-2.30	1 / 77	25.70	23.40	0.219	30.00	-6.60
		1745.0	-2.30	1 / 1	25.70	23.40	0.219	30.00	-6.60
		1772.5	-2.30	1 / 1	25.52	23.22	0.210	30.00	-6.78
	QPSK	1717.5	-2.30	1 / 36	25.65	23.35	0.216	30.00	-6.65
		1745.0	-2.30	1 / 1	25.70	23.40	0.219	30.00	-6.60
		1772.5	-2.30	1 / 77	25.62	23.32	0.215	30.00	-6.68
	16-QAM	1772.5	-2.30	1 / 1	24.72	22.42	0.175	30.00	-7.58
64-QAM	1745.0	-2.30	1 / 1	23.66	21.36	0.137	30.00	-8.64	
256-QAM	1745.0	-2.30	1 / 36	20.77	18.47	0.070	30.00	-11.53	
20 MHz	π/2 BPSK	1720.0	-2.30	1 / 104	25.64	23.34	0.216	30.00	-6.66
		1745.0	-2.30	1 / 104	25.42	23.12	0.205	30.00	-6.88
		1770.0	-2.30	1 / 104	25.69	23.39	0.218	30.00	-6.61
	QPSK	1720.0	-2.30	1 / 104	25.70	23.40	0.219	30.00	-6.60
		1745.0	-2.30	1 / 1	25.53	23.23	0.210	30.00	-6.77
		1770.0	-2.30	1 / 50	25.64	23.34	0.216	30.00	-6.66
	16-QAM	1770.0	-2.30	1 / 1	24.66	22.36	0.172	30.00	-7.64
64-QAM	1720.0	-2.30	1 / 104	23.71	21.41	0.138	30.00	-8.59	
256-QAM	1745.0	-2.30	1 / 50	20.84	18.54	0.071	30.00	-11.46	
25 MHz	π/2 BPSK	1722.5	-2.30	1 / 64	25.48	23.18	0.208	30.00	-6.82
		1745.0	-2.30	1 / 1	25.69	23.39	0.218	30.00	-6.61
		1767.5	-2.30	1 / 1	25.70	23.40	0.219	30.00	-6.60
	QPSK	1722.5	-2.30	1 / 64	25.62	23.32	0.215	30.00	-6.68
		1745.0	-2.30	1 / 64	25.64	23.34	0.216	30.00	-6.66
		1767.5	-2.30	1 / 1	25.66	23.36	0.217	30.00	-6.64
	16-QAM	1745.0	-2.30	1 / 131	24.67	22.37	0.173	30.00	-7.63
64-QAM	1767.5	-2.30	1 / 64	23.70	21.40	0.138	30.00	-8.60	
256-QAM	1767.5	-2.30	1 / 1	20.79	18.49	0.071	30.00	-11.51	
30 MHz	π/2 BPSK	1725.0	-2.30	1 / 158	25.59	23.29	0.213	30.00	-6.71
		1745.0	-2.30	1 / 1	25.51	23.21	0.209	30.00	-6.79
		1765.0	-2.30	1 / 80	25.67	23.37	0.217	30.00	-6.63
	QPSK	1725.0	-2.30	1 / 158	25.67	23.37	0.217	30.00	-6.63
		1745.0	-2.30	1 / 1	25.70	23.40	0.219	30.00	-6.60
		1765.0	-2.30	1 / 158	25.70	23.40	0.219	30.00	-6.60
	16-QAM	1725.0	-2.30	1 / 158	24.71	22.41	0.174	30.00	-7.59
64-QAM	1725.0	-2.30	1 / 1	23.75	21.45	0.140	30.00	-8.55	
256-QAM	1725.0	-2.30	1 / 80	20.82	18.52	0.071	30.00	-11.48	
35 MHz	π/2 BPSK	1727.5	-2.30	1 / 1	25.61	23.31	0.214	30.00	-6.69
		1745.0	-2.30	1 / 90	25.68	23.38	0.218	30.00	-6.62
		1762.5	-2.30	1 / 1	25.65	23.35	0.216	30.00	-6.65
	QPSK	1727.5	-2.30	1 / 1	25.63	23.33	0.215	30.00	-6.67
		1745.0	-2.30	1 / 90	25.70	23.40	0.219	30.00	-6.60
		1762.5	-2.30	1 / 186	25.43	23.13	0.206	30.00	-6.87
	16-QAM	1762.5	-2.30	1 / 90	24.76	22.46	0.176	30.00	-7.54
64-QAM	1727.5	-2.30	1 / 1	23.66	21.36	0.137	30.00	-8.64	
256-QAM	1727.5	-2.30	1 / 1	20.67	18.37	0.069	30.00	-11.63	
40 MHz	π/2 BPSK	1730.0	-2.30	1 / 1	25.46	23.16	0.207	30.00	-6.84
		1745.0	-2.30	1 / 108	25.66	23.36	0.217	30.00	-6.64
		1760.0	-2.30	1 / 1	25.56	23.26	0.212	30.00	-6.74
	QPSK	1730.0	-2.30	1 / 214	25.70	23.40	0.219	30.00	-6.60
		1745.0	-2.30	1 / 1	25.52	23.22	0.210	30.00	-6.78
		1760.0	-2.30	1 / 1	25.44	23.14	0.206	30.00	-6.86
	16-QAM	1745.0	-2.30	1 / 108	24.69	22.39	0.173	30.00	-7.61
64-QAM	1730.0	-2.30	1 / 108	23.68	21.38	0.137	30.00	-8.62	
256-QAM	1745.0	-2.30	1 / 108	20.79	18.49	0.071	30.00	-11.51	


Table 7-20. Antenna 2b EIRP Data (NR Band n66)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
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NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-4.20	1 / 1	25.49	21.29	0.135	30.00	-8.71
		1702.5	-4.20	1 / 1	25.70	21.50	0.141	30.00	-8.50
		1707.5	-4.20	1 / 12	25.67	21.47	0.140	30.00	-8.53
	QPSK	1697.5	-4.20	1 / 1	25.47	21.27	0.134	30.00	-8.73
		1702.5	-4.20	1 / 12	25.64	21.44	0.139	30.00	-8.56
		1707.5	-4.20	1 / 23	25.62	21.42	0.139	30.00	-8.58
	16-QAM	1707.5	-4.20	1 / 23	24.69	20.49	0.112	30.00	-9.51
	64-QAM	1697.5	-4.20	1 / 1	23.69	19.49	0.089	30.00	-10.51
256-QAM	1707.5	-4.20	1 / 23	20.77	16.57	0.045	30.00	-13.43	
10 MHz	π/2 BPSK	1700.0	-4.20	1 / 1	25.70	21.50	0.141	30.00	-8.50
		1702.5	-4.20	1 / 25	25.66	21.46	0.140	30.00	-8.54
		1705.0	-4.20	1 / 25	25.47	21.27	0.134	30.00	-8.73
	QPSK	1700.0	-4.20	1 / 25	25.65	21.45	0.140	30.00	-8.55
		1702.5	-4.20	1 / 25	25.66	21.46	0.140	30.00	-8.54
		1705.0	-4.20	1 / 50	25.33	21.13	0.130	30.00	-8.87
	16-QAM	1702.5	-4.20	1 / 1	24.68	20.48	0.112	30.00	-9.52
	64-QAM	1702.5	-4.20	1 / 50	23.65	19.45	0.088	30.00	-10.55
256-QAM	1705.0	-4.20	1 / 25	20.81	16.61	0.046	30.00	-13.39	
15 MHz	π/2 BPSK	1702.5	-4.20	1 / 36	25.70	21.50	0.141	30.00	-8.50
	QPSK	1702.5	-4.20	1 / 36	25.67	21.47	0.140	30.00	-8.53
	16-QAM	1702.5	-4.20	1 / 77	24.65	20.45	0.111	30.00	-9.55
	64-QAM	1702.5	-4.20	1 / 77	23.64	19.44	0.088	30.00	-10.56
	256-QAM	1702.5	-4.20	1 / 36	20.76	16.56	0.045	30.00	-13.44


Table 7-21. Antenna 2b EIRP Data (NR Band n70)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
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WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.05	-2.30	21.75	0.150	30.00	-8.25
1732.60	WCDMA1700	24.05	-2.30	21.75	0.150	30.00	-8.25
1752.60	WCDMA1700	24.16	-2.30	21.86	0.153	30.00	-8.14

Table 7-22. Antenna 2b EIRP Data (WCDMA AWS)


FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 291 of 350

7.6.4 Antenna 3a – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	0.10	1 / 5	24.61	24.71	0.296	30.00	-5.29
		1745.0	0.10	1 / 0	24.59	24.69	0.294	30.00	-5.31
		1779.3	0.10	1 / 5	24.54	24.64	0.291	30.00	-5.36
	16-QAM	1710.7	0.10	1 / 3	23.70	23.80	0.240	30.00	-6.20
	64-QAM	1779.3	0.10	1 / 3	22.73	22.83	0.192	30.00	-7.17
256-QAM	1710.7	0.10	1 / 0	19.66	19.76	0.095	30.00	-10.24	
3 MHz	QPSK	1711.5	0.10	1 / 0	24.70	24.80	0.302	30.00	-5.20
		1745.0	0.10	1 / 0	24.57	24.67	0.293	30.00	-5.33
		1778.5	0.10	1 / 14	24.45	24.55	0.285	30.00	-5.45
	16-QAM	1778.5	0.10	1 / 0	23.70	23.80	0.240	30.00	-6.20
	64-QAM	1711.5	0.10	1 / 14	22.69	22.79	0.190	30.00	-7.21
256-QAM	1711.5	0.10	1 / 7	19.84	19.94	0.099	30.00	-10.06	
5 MHz	QPSK	1712.5	0.10	1 / 0	24.61	24.71	0.296	30.00	-5.29
		1745.0	0.10	1 / 0	24.56	24.66	0.292	30.00	-5.34
		1777.5	0.10	1 / 12	24.45	24.55	0.285	30.00	-5.45
	16-QAM	1745.0	0.10	1 / 0	23.72	23.82	0.241	30.00	-6.18
	64-QAM	1777.5	0.10	1 / 0	22.61	22.71	0.187	30.00	-7.29
256-QAM	1745.0	0.10	1 / 0	19.74	19.84	0.096	30.00	-10.16	
10 MHz	QPSK	1715.0	0.10	1 / 49	24.57	24.67	0.293	30.00	-5.33
		1745.0	0.10	1 / 25	24.66	24.76	0.299	30.00	-5.24
		1775.0	0.10	1 / 49	24.65	24.75	0.299	30.00	-5.25
	16-QAM	1775.0	0.10	1 / 0	23.54	23.64	0.231	30.00	-6.36
	64-QAM	1745.0	0.10	1 / 0	22.69	22.79	0.190	30.00	-7.21
256-QAM	1715.0	0.10	1 / 49	19.81	19.91	0.098	30.00	-10.09	
15 MHz	QPSK	1717.5	0.10	1 / 0	24.56	24.66	0.292	30.00	-5.34
		1745.0	0.10	1 / 74	24.63	24.73	0.297	30.00	-5.27
		1772.5	0.10	1 / 0	24.63	24.73	0.297	30.00	-5.27
	16-QAM	1745.0	0.10	1 / 0	23.64	23.74	0.237	30.00	-6.26
	64-QAM	1745.0	0.10	1 / 0	22.63	22.73	0.187	30.00	-7.27
256-QAM	1745.0	0.10	1 / 0	19.79	19.89	0.097	30.00	-10.11	
20 MHz	QPSK	1720.0	0.10	1 / 0	24.56	24.66	0.292	30.00	-5.34
		1745.0	0.10	1 / 0	24.56	24.66	0.292	30.00	-5.34
		1770.0	0.10	1 / 50	24.70	24.80	0.302	30.00	-5.20
	16-QAM	1720.0	0.10	1 / 0	23.60	23.70	0.234	30.00	-6.30
	64-QAM	1745.0	0.10	1 / 50	22.71	22.81	0.191	30.00	-7.19
256-QAM	1720.0	0.10	1 / 50	19.78	19.88	0.097	30.00	-10.12	


Table 7-23. Antenna 3a EIRP Data (LTE Band 66)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 292 of 350

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	0.10	1 / 0	24.41	24.51	0.282	30.00	-5.49
		1732.5	0.10	1 / 0	24.60	24.70	0.295	30.00	-5.30
		1754.3	0.10	1 / 0	24.44	24.54	0.284	30.00	-5.46
	16-QAM	1754.3	0.10	1 / 0	23.84	23.94	0.248	30.00	-6.06
	64-QAM	1754.3	0.10	1 / 3	22.66	22.76	0.189	30.00	-7.24
	256-QAM	1732.5	0.10	1 / 3	19.73	19.83	0.096	30.00	-10.17
3 MHz	QPSK	1711.5	0.10	1 / 0	24.21	24.31	0.270	30.00	-5.69
		1732.5	0.10	1 / 0	24.54	24.64	0.291	30.00	-5.36
		1753.5	0.10	1 / 0	24.42	24.52	0.283	30.00	-5.48
	16-QAM	1732.5	0.10	1 / 0	23.82	23.92	0.247	30.00	-6.08
	64-QAM	1732.5	0.10	1 / 0	22.72	22.82	0.191	30.00	-7.18
	256-QAM	1732.5	0.10	1 / 0	19.84	19.94	0.099	30.00	-10.06
5 MHz	QPSK	1712.5	0.10	1 / 0	24.48	24.58	0.287	30.00	-5.42
		1732.5	0.10	1 / 0	24.70	24.80	0.302	30.00	-5.20
		1752.5	0.10	1 / 0	24.48	24.58	0.287	30.00	-5.42
	16-QAM	1732.5	0.10	1 / 0	24.13	24.23	0.265	30.00	-5.77
	64-QAM	1752.5	0.10	1 / 12	22.83	22.93	0.196	30.00	-7.07
	256-QAM	1732.5	0.10	1 / 0	19.73	19.83	0.096	30.00	-10.17
10 MHz	QPSK	1715.0	0.10	1 / 25	24.34	24.44	0.278	30.00	-5.56
		1732.5	0.10	1 / 0	24.49	24.59	0.288	30.00	-5.41
		1750.0	0.10	1 / 0	24.37	24.47	0.280	30.00	-5.53
	16-QAM	1732.5	0.10	1 / 49	23.89	23.99	0.251	30.00	-6.01
	64-QAM	1732.5	0.10	1 / 0	22.68	22.78	0.190	30.00	-7.22
	256-QAM	1750.0	0.10	1 / 0	19.87	19.97	0.099	30.00	-10.03
15 MHz	QPSK	1717.5	0.10	1 / 0	24.32	24.42	0.277	30.00	-5.58
		1732.5	0.10	1 / 74	24.45	24.55	0.285	30.00	-5.45
		1747.5	0.10	1 / 37	24.21	24.31	0.270	30.00	-5.69
	16-QAM	1732.5	0.10	1 / 0	23.66	23.76	0.238	30.00	-6.24
	64-QAM	1717.5	0.10	1 / 0	22.54	22.64	0.184	30.00	-7.36
	256-QAM	1732.5	0.10	1 / 0	19.58	19.68	0.093	30.00	-10.32
20 MHz	QPSK	1720.0	0.10	1 / 99	24.32	24.42	0.277	30.00	-5.58
		1732.5	0.10	1 / 0	24.21	24.31	0.270	30.00	-5.69
		1745.0	0.10	1 / 50	24.38	24.48	0.281	30.00	-5.52
	16-QAM	1732.5	0.10	1 / 0	24.04	24.14	0.259	30.00	-5.86
	64-QAM	1745.0	0.10	1 / 0	22.73	22.83	0.192	30.00	-7.17
	256-QAM	1745.0	0.10	1 / 0	19.57	19.67	0.093	30.00	-10.33

Table 7-24. Antenna 3a EIRP Data (LTE Band 4)

FCC ID: BCGA3267		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 293 of 350

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	0.10	1 / 12	24.70	24.80	0.302	30.00	-5.20
		1745.0	0.10	1 / 23	24.67	24.77	0.300	30.00	-5.23
		1777.5	0.10	1 / 1	24.65	24.75	0.299	30.00	-5.25
	QPSK	1712.5	0.10	1 / 12	24.34	24.44	0.278	30.00	-5.56
		1745.0	0.10	1 / 1	24.70	24.80	0.302	30.00	-5.20
		1777.5	0.10	1 / 12	24.69	24.79	0.301	30.00	-5.21
	16-QAM	1712.5	0.10	1 / 23	23.69	23.79	0.239	30.00	-6.21
64-QAM	1745.0	0.10	1 / 12	22.66	22.76	0.189	30.00	-7.24	
256-QAM	1777.5	0.10	1 / 12	19.79	19.89	0.097	30.00	-10.11	
10 MHz	π/2 BPSK	1715.0	0.10	1 / 50	24.55	24.65	0.292	30.00	-5.35
		1745.0	0.10	1 / 25	24.59	24.69	0.294	30.00	-5.31
		1775.0	0.10	1 / 1	24.55	24.65	0.292	30.00	-5.35
	QPSK	1715.0	0.10	1 / 25	24.50	24.60	0.288	30.00	-5.40
		1745.0	0.10	1 / 50	24.48	24.58	0.287	30.00	-5.42
		1775.0	0.10	1 / 1	24.70	24.80	0.302	30.00	-5.20
	16-QAM	1775.0	0.10	1 / 50	23.79	23.89	0.245	30.00	-6.11
64-QAM	1715.0	0.10	1 / 50	22.77	22.87	0.194	30.00	-7.13	
256-QAM	1745.0	0.10	1 / 25	19.88	19.98	0.100	30.00	-10.02	
15 MHz	π/2 BPSK	1717.5	0.10	1 / 77	24.65	24.75	0.299	30.00	-5.25
		1745.0	0.10	1 / 77	24.66	24.76	0.299	30.00	-5.24
		1772.5	0.10	1 / 1	24.62	24.72	0.296	30.00	-5.28
	QPSK	1717.5	0.10	1 / 36	24.69	24.79	0.301	30.00	-5.21
		1745.0	0.10	1 / 36	24.68	24.78	0.301	30.00	-5.22
		1772.5	0.10	1 / 77	24.70	24.80	0.302	30.00	-5.20
	16-QAM	1717.5	0.10	1 / 36	23.73	23.83	0.242	30.00	-6.17
64-QAM	1745.0	0.10	1 / 77	22.76	22.86	0.193	30.00	-7.14	
256-QAM	1745.0	0.10	1 / 36	19.77	19.87	0.097	30.00	-10.13	
20 MHz	π/2 BPSK	1720.0	0.10	1 / 104	24.62	24.72	0.296	30.00	-5.28
		1745.0	0.10	1 / 1	24.66	24.76	0.299	30.00	-5.24
		1770.0	0.10	1 / 1	24.70	24.80	0.302	30.00	-5.20
	QPSK	1720.0	0.10	1 / 104	24.51	24.61	0.289	30.00	-5.39
		1745.0	0.10	1 / 50	24.44	24.54	0.284	30.00	-5.46
		1770.0	0.10	1 / 104	24.53	24.63	0.290	30.00	-5.37
	16-QAM	1745.0	0.10	1 / 50	23.63	23.73	0.236	30.00	-6.27
64-QAM	1770.0	0.10	1 / 104	22.72	22.82	0.191	30.00	-7.18	
256-QAM	1745.0	0.10	1 / 50	19.84	19.94	0.099	30.00	-10.06	
25 MHz	π/2 BPSK	1722.5	0.10	1 / 1	24.68	24.78	0.301	30.00	-5.22
		1745.0	0.10	1 / 64	24.56	24.66	0.292	30.00	-5.34
		1767.5	0.10	1 / 64	24.67	24.77	0.300	30.00	-5.23
	QPSK	1722.5	0.10	1 / 1	24.64	24.74	0.298	30.00	-5.26
		1745.0	0.10	1 / 1	24.70	24.80	0.302	30.00	-5.20
		1767.5	0.10	1 / 64	24.46	24.56	0.286	30.00	-5.44
	16-QAM	1767.5	0.10	1 / 64	23.73	23.83	0.242	30.00	-6.17
64-QAM	1722.5	0.10	1 / 64	22.67	22.77	0.189	30.00	-7.23	
256-QAM	1767.5	0.10	1 / 64	19.81	19.91	0.098	30.00	-10.09	
30 MHz	π/2 BPSK	1725.0	0.10	1 / 80	24.70	24.80	0.302	30.00	-5.20
		1745.0	0.10	1 / 158	24.65	24.75	0.299	30.00	-5.25
		1765.0	0.10	1 / 80	24.44	24.54	0.284	30.00	-5.46
	QPSK	1725.0	0.10	1 / 1	24.54	24.64	0.291	30.00	-5.36
		1745.0	0.10	1 / 158	24.68	24.78	0.301	30.00	-5.22
		1765.0	0.10	1 / 80	24.70	24.80	0.302	30.00	-5.20
	16-QAM	1745.0	0.10	1 / 80	23.61	23.71	0.235	30.00	-6.29
64-QAM	1765.0	0.10	1 / 1	22.63	22.73	0.187	30.00	-7.27	
256-QAM	1745.0	0.10	1 / 80	19.78	19.88	0.097	30.00	-10.12	
35 MHz	π/2 BPSK	1727.5	0.10	1 / 186	24.67	24.77	0.300	30.00	-5.23
		1745.0	0.10	1 / 186	24.66	24.76	0.299	30.00	-5.24
		1762.5	0.10	1 / 186	24.62	24.72	0.296	30.00	-5.28
	QPSK	1727.5	0.10	1 / 90	24.63	24.73	0.297	30.00	-5.27
		1745.0	0.10	1 / 90	24.65	24.75	0.299	30.00	-5.25
		1762.5	0.10	1 / 90	24.70	24.80	0.302	30.00	-5.20
	16-QAM	1762.5	0.10	1 / 1	23.69	23.79	0.239	30.00	-6.21
64-QAM	1745.0	0.10	1 / 186	22.67	22.77	0.189	30.00	-7.23	
256-QAM	1727.5	0.10	1 / 90	19.77	19.87	0.097	30.00	-10.13	
40 MHz	π/2 BPSK	1730.0	0.10	1 / 214	24.70	24.80	0.302	30.00	-5.20
		1745.0	0.10	1 / 214	24.65	24.75	0.299	30.00	-5.25
		1760.0	0.10	1 / 214	24.68	24.78	0.301	30.00	-5.22
	QPSK	1730.0	0.10	1 / 1	24.61	24.71	0.296	30.00	-5.29
		1745.0	0.10	1 / 214	24.63	24.73	0.297	30.00	-5.27
		1760.0	0.10	1 / 1	24.61	24.71	0.296	30.00	-5.29
	16-QAM	1745.0	0.10	1 / 214	23.72	23.82	0.241	30.00	-6.18
64-QAM	1745.0	0.10	1 / 214	22.68	22.78	0.190	30.00	-7.22	
256-QAM	1760.0	0.10	1 / 214	19.74	19.84	0.096	30.00	-10.16	


Table 7-25. Antenna 3a EIRP Data (NR Band n66)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
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NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-1.20	1 / 12	24.66	23.46	0.222	30.00	-6.54
		1702.5	-1.20	1 / 23	24.70	23.50	0.224	30.00	-6.50
		1707.5	-1.20	1 / 12	24.59	23.39	0.218	30.00	-6.61
	QPSK	1697.5	-1.20	1 / 12	24.70	23.50	0.224	30.00	-6.50
		1702.5	-1.20	1 / 1	24.45	23.25	0.211	30.00	-6.75
		1707.5	-1.20	1 / 23	24.68	23.48	0.223	30.00	-6.52
	16-QAM	1702.5	-1.20	1 / 1	23.77	22.57	0.181	30.00	-7.43
	64-QAM	1702.5	-1.20	1 / 1	22.75	21.55	0.143	30.00	-8.45
256-QAM	1707.5	-1.20	1 / 12	19.82	18.62	0.073	30.00	-11.38	
10 MHz	π/2 BPSK	1700.0	-1.20	1 / 1	24.62	23.42	0.220	30.00	-6.58
		1702.5	-1.20	1 / 25	24.51	23.31	0.214	30.00	-6.69
		1705.0	-1.20	1 / 25	24.70	23.50	0.224	30.00	-6.50
	QPSK	1700.0	-1.20	1 / 25	24.24	23.04	0.201	30.00	-6.96
		1702.5	-1.20	1 / 50	24.62	23.42	0.220	30.00	-6.58
		1705.0	-1.20	1 / 1	24.67	23.47	0.222	30.00	-6.53
	16-QAM	1702.5	-1.20	1 / 1	23.68	22.48	0.177	30.00	-7.52
	64-QAM	1700.0	-1.20	1 / 25	22.55	21.35	0.136	30.00	-8.65
256-QAM	1705.0	-1.20	1 / 25	19.79	18.59	0.072	30.00	-11.41	
15 MHz	π/2 BPSK	1702.5	-1.20	1 / 36	24.53	23.33	0.215	30.00	-6.67
	QPSK	1702.5	-1.20	1 / 77	24.65	23.45	0.221	30.00	-6.55
	16-QAM	1702.5	-1.20	1 / 77	23.67	22.47	0.177	30.00	-7.53
	64-QAM	1702.5	-1.20	1 / 36	22.43	21.23	0.133	30.00	-8.77
	256-QAM	1702.5	-1.20	1 / 1	19.47	18.27	0.067	30.00	-11.73


Table 7-26. Antenna 3a EIRP Data (NR Band n70)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 295 of 350

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.43	0.10	24.53	0.284	30.00	-5.47
1732.60	WCDMA1700	24.56	0.10	24.66	0.292	30.00	-5.34
1752.60	WCDMA1700	24.65	0.10	24.75	0.299	30.00	-5.25

Table 7-27. Antenna 3a EIRP Data (WCDMA AWS)


FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 296 of 350

7.6.5 Antenna 1b – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.20	1 / 3	24.69	22.49	0.177	30.00	-7.51
		1745.0	-2.20	1 / 0	24.70	22.50	0.178	30.00	-7.50
		1779.3	-2.20	1 / 0	24.27	22.07	0.161	30.00	-7.93
	16-QAM	1710.7	-2.20	1 / 3	23.52	21.32	0.136	30.00	-8.68
		1745.0	-2.20	1 / 0	22.69	20.49	0.112	30.00	-9.51
		1710.7	-2.20	1 / 0	19.80	17.60	0.058	30.00	-12.40
3 MHz	QPSK	1711.5	-2.20	1 / 7	24.48	22.28	0.169	30.00	-7.72
		1745.0	-2.20	1 / 7	24.69	22.49	0.177	30.00	-7.51
		1778.5	-2.20	1 / 14	24.64	22.44	0.175	30.00	-7.56
	16-QAM	1711.5	-2.20	1 / 0	23.70	21.50	0.141	30.00	-8.50
		1745.0	-2.20	1 / 7	22.65	20.45	0.111	30.00	-9.55
		1778.5	-2.20	1 / 14	19.75	17.55	0.057	30.00	-12.45
5 MHz	QPSK	1712.5	-2.20	1 / 0	24.70	22.50	0.178	30.00	-7.50
		1745.0	-2.20	1 / 0	24.40	22.20	0.166	30.00	-7.80
		1777.5	-2.20	1 / 24	24.39	22.19	0.166	30.00	-7.81
	16-QAM	1745.0	-2.20	1 / 12	23.69	21.49	0.141	30.00	-8.51
		1777.5	-2.20	1 / 0	22.70	20.50	0.112	30.00	-9.50
		1777.5	-2.20	1 / 0	19.69	17.49	0.056	30.00	-12.51
10 MHz	QPSK	1715.0	-2.20	1 / 0	24.61	22.41	0.174	30.00	-7.59
		1745.0	-2.20	1 / 49	24.66	22.46	0.176	30.00	-7.54
		1775.0	-2.20	1 / 49	24.61	22.41	0.174	30.00	-7.59
	16-QAM	1715.0	-2.20	1 / 0	23.74	21.54	0.143	30.00	-8.46
		1715.0	-2.20	1 / 49	22.69	20.49	0.112	30.00	-9.51
		1745.0	-2.20	1 / 0	19.82	17.62	0.058	30.00	-12.38
15 MHz	QPSK	1717.5	-2.20	1 / 37	24.59	22.39	0.173	30.00	-7.61
		1745.0	-2.20	1 / 74	24.70	22.50	0.178	30.00	-7.50
		1772.5	-2.20	1 / 74	24.66	22.46	0.176	30.00	-7.54
	16-QAM	1772.5	-2.20	1 / 74	23.65	21.45	0.140	30.00	-8.55
		1745.0	-2.20	1 / 0	22.67	20.47	0.111	30.00	-9.53
		1745.0	-2.20	1 / 0	19.65	17.45	0.056	30.00	-12.55
20 MHz	QPSK	1720.0	-2.20	1 / 50	24.70	22.50	0.178	30.00	-7.50
		1745.0	-2.20	1 / 99	24.62	22.42	0.175	30.00	-7.58
		1770.0	-2.20	1 / 50	24.67	22.47	0.177	30.00	-7.53
	16-QAM	1745.0	-2.20	1 / 99	23.68	21.48	0.141	30.00	-8.52
		1720.0	-2.20	1 / 50	22.72	20.52	0.113	30.00	-9.48
		1720.0	-2.20	1 / 0	19.76	17.56	0.057	30.00	-12.44


Table 7-28. Antenna 1b EIRP Data (LTE Band 66)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 297 of 350

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.20	1 / 3	24.70	22.50	0.178	30.00	-7.50
		1732.5	-2.20	1 / 5	24.65	22.45	0.176	30.00	-7.55
		1754.3	-2.20	1 / 0	24.61	22.41	0.174	30.00	-7.59
	16-QAM	1732.5	-2.20	1 / 0	23.65	21.45	0.140	30.00	-8.55
	64-QAM	1732.5	-2.20	1 / 3	22.65	20.45	0.111	30.00	-9.55
	256-QAM	1732.5	-2.20	1 / 3	19.83	17.63	0.058	30.00	-12.37
3 MHz	QPSK	1711.5	-2.20	1 / 0	24.70	22.50	0.178	30.00	-7.50
		1732.5	-2.20	1 / 0	24.61	22.41	0.174	30.00	-7.59
		1753.5	-2.20	1 / 7	24.69	22.49	0.177	30.00	-7.51
	16-QAM	1711.5	-2.20	1 / 7	23.70	21.50	0.141	30.00	-8.50
	64-QAM	1732.5	-2.20	1 / 14	22.73	20.53	0.113	30.00	-9.47
	256-QAM	1753.5	-2.20	1 / 14	19.82	17.62	0.058	30.00	-12.38
5 MHz	QPSK	1712.5	-2.20	1 / 12	24.67	22.47	0.177	30.00	-7.53
		1732.5	-2.20	1 / 12	24.70	22.50	0.178	30.00	-7.50
		1752.5	-2.20	1 / 12	24.34	22.14	0.164	30.00	-7.86
	16-QAM	1712.5	-2.20	1 / 0	23.68	21.48	0.141	30.00	-8.52
	64-QAM	1732.5	-2.20	1 / 12	22.73	20.53	0.113	30.00	-9.47
	256-QAM	1712.5	-2.20	1 / 0	19.78	17.58	0.057	30.00	-12.42
10 MHz	QPSK	1715.0	-2.20	1 / 25	24.70	22.50	0.178	30.00	-7.50
		1732.5	-2.20	1 / 49	24.64	22.44	0.175	30.00	-7.56
		1750.0	-2.20	1 / 25	24.55	22.35	0.172	30.00	-7.65
	16-QAM	1732.5	-2.20	1 / 49	23.67	21.47	0.140	30.00	-8.53
	64-QAM	1750.0	-2.20	1 / 49	22.69	20.49	0.112	30.00	-9.51
	256-QAM	1732.5	-2.20	1 / 25	19.78	17.58	0.057	30.00	-12.42
15 MHz	QPSK	1717.5	-2.20	1 / 0	24.60	22.40	0.174	30.00	-7.60
		1732.5	-2.20	1 / 74	24.47	22.27	0.169	30.00	-7.73
		1747.5	-2.20	1 / 74	24.43	22.23	0.167	30.00	-7.77
	16-QAM	1732.5	-2.20	1 / 74	23.68	21.48	0.141	30.00	-8.52
	64-QAM	1732.5	-2.20	1 / 0	22.58	20.38	0.109	30.00	-9.62
	256-QAM	1732.5	-2.20	1 / 37	19.81	17.61	0.058	30.00	-12.39
20 MHz	QPSK	1720.0	-2.20	1 / 0	24.62	22.42	0.175	30.00	-7.58
		1732.5	-2.20	1 / 0	24.52	22.32	0.171	30.00	-7.68
		1745.0	-2.20	1 / 0	24.56	22.36	0.172	30.00	-7.64
	16-QAM	1720.0	-2.20	1 / 50	23.70	21.50	0.141	30.00	-8.50
	64-QAM	1720.0	-2.20	1 / 50	22.68	20.48	0.112	30.00	-9.52
	256-QAM	1720.0	-2.20	1 / 0	19.80	17.60	0.058	30.00	-12.40


Table 7-29. Antenna 1b EIRP Data (LTE Band 4)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-2.20	1 / 23	24.70	22.50	0.178	30.00	-7.50
		1745.0	-2.20	1 / 12	24.59	22.39	0.173	30.00	-7.61
		1777.5	-2.20	1 / 1	24.61	22.41	0.174	30.00	-7.59
	QPSK	1712.5	-2.20	1 / 23	24.69	22.49	0.177	30.00	-7.51
		1745.0	-2.20	1 / 12	24.64	22.44	0.175	30.00	-7.56
		1777.5	-2.20	1 / 12	24.62	22.42	0.175	30.00	-7.58
	16-QAM	1712.5	-2.20	1 / 12	23.73	21.53	0.142	30.00	-8.47
64-QAM	1777.5	-2.20	1 / 1	22.72	20.52	0.113	30.00	-9.48	
256-QAM	1777.5	-2.20	1 / 12	19.78	17.58	0.057	30.00	-12.42	
10 MHz	π/2 BPSK	1715.0	-2.20	1 / 1	24.64	22.44	0.175	30.00	-7.56
		1745.0	-2.20	1 / 25	24.34	22.14	0.164	30.00	-7.86
		1775.0	-2.20	1 / 50	24.61	22.41	0.174	30.00	-7.59
	QPSK	1715.0	-2.20	1 / 1	24.57	22.37	0.173	30.00	-7.63
		1745.0	-2.20	1 / 25	24.60	22.40	0.174	30.00	-7.60
		1775.0	-2.20	1 / 1	24.70	22.50	0.178	30.00	-7.50
	16-QAM	1745.0	-2.20	1 / 25	23.61	21.41	0.138	30.00	-8.59
64-QAM	1715.0	-2.20	1 / 1	22.64	20.44	0.111	30.00	-9.56	
256-QAM	1715.0	-2.20	1 / 25	19.77	17.57	0.057	30.00	-12.43	
15 MHz	π/2 BPSK	1717.5	-2.20	1 / 36	24.60	22.40	0.174	30.00	-7.60
		1745.0	-2.20	1 / 1	24.44	22.24	0.167	30.00	-7.76
		1772.5	-2.20	1 / 1	24.62	22.42	0.175	30.00	-7.58
	QPSK	1717.5	-2.20	1 / 1	24.70	22.50	0.178	30.00	-7.50
		1745.0	-2.20	1 / 36	24.50	22.30	0.170	30.00	-7.70
		1772.5	-2.20	1 / 36	24.70	22.50	0.178	30.00	-7.50
	16-QAM	1772.5	-2.20	1 / 1	23.72	21.52	0.142	30.00	-8.48
64-QAM	1772.5	-2.20	1 / 77	22.66	20.46	0.111	30.00	-9.54	
256-QAM	1717.5	-2.20	1 / 77	19.76	17.56	0.057	30.00	-12.44	
20 MHz	π/2 BPSK	1720.0	-2.20	1 / 50	24.62	22.42	0.175	30.00	-7.58
		1745.0	-2.20	1 / 104	24.70	22.50	0.178	30.00	-7.50
		1770.0	-2.20	1 / 1	24.65	22.45	0.176	30.00	-7.55
	QPSK	1720.0	-2.20	1 / 1	24.56	22.36	0.172	30.00	-7.64
		1745.0	-2.20	1 / 104	24.56	22.36	0.172	30.00	-7.64
		1770.0	-2.20	1 / 1	24.55	22.35	0.172	30.00	-7.65
	16-QAM	1770.0	-2.20	1 / 104	23.75	21.55	0.143	30.00	-8.45
64-QAM	1770.0	-2.20	1 / 50	22.67	20.47	0.111	30.00	-9.53	
256-QAM	1770.0	-2.20	1 / 1	19.77	17.57	0.057	30.00	-12.43	
25 MHz	π/2 BPSK	1722.5	-2.20	1 / 1	24.70	22.50	0.178	30.00	-7.50
		1745.0	-2.20	1 / 1	24.65	22.45	0.176	30.00	-7.55
		1767.5	-2.20	1 / 1	24.58	22.38	0.173	30.00	-7.62
	QPSK	1722.5	-2.20	1 / 131	24.70	22.50	0.178	30.00	-7.50
		1745.0	-2.20	1 / 131	24.63	22.43	0.175	30.00	-7.57
		1767.5	-2.20	1 / 64	24.64	22.44	0.175	30.00	-7.56
	16-QAM	1767.5	-2.20	1 / 64	23.66	21.46	0.140	30.00	-8.54
64-QAM	1767.5	-2.20	1 / 64	22.63	20.43	0.110	30.00	-9.57	
256-QAM	1745.0	-2.20	1 / 64	19.75	17.55	0.057	30.00	-12.45	
30 MHz	π/2 BPSK	1725.0	-2.20	1 / 158	24.70	22.50	0.178	30.00	-7.50
		1745.0	-2.20	1 / 1	24.52	22.32	0.171	30.00	-7.68
		1765.0	-2.20	1 / 1	24.55	22.35	0.172	30.00	-7.65
	QPSK	1725.0	-2.20	1 / 1	24.37	22.17	0.165	30.00	-7.83
		1745.0	-2.20	1 / 1	24.39	22.19	0.166	30.00	-7.81
		1765.0	-2.20	1 / 1	24.51	22.31	0.170	30.00	-7.69
	16-QAM	1765.0	-2.20	1 / 158	23.65	21.45	0.140	30.00	-8.55
64-QAM	1745.0	-2.20	1 / 80	22.61	20.41	0.110	30.00	-9.59	
256-QAM	1745.0	-2.20	1 / 80	19.73	17.53	0.057	30.00	-12.47	
35 MHz	π/2 BPSK	1727.5	-2.20	1 / 186	24.66	22.46	0.176	30.00	-7.54
		1745.0	-2.20	1 / 186	24.70	22.50	0.178	30.00	-7.50
		1762.5	-2.20	1 / 1	24.59	22.39	0.173	30.00	-7.61
	QPSK	1727.5	-2.20	1 / 90	24.53	22.33	0.171	30.00	-7.67
		1745.0	-2.20	1 / 1	24.25	22.05	0.160	30.00	-7.95
		1762.5	-2.20	1 / 90	24.57	22.37	0.173	30.00	-7.63
	16-QAM	1762.5	-2.20	1 / 186	23.66	21.46	0.140	30.00	-8.54
64-QAM	1762.5	-2.20	1 / 186	22.69	20.49	0.112	30.00	-9.51	
256-QAM	1727.5	-2.20	1 / 90	19.80	17.60	0.058	30.00	-12.40	
40 MHz	π/2 BPSK	1730.0	-2.20	1 / 1	24.66	22.46	0.176	30.00	-7.54
		1745.0	-2.20	1 / 214	24.49	22.29	0.169	30.00	-7.71
		1760.0	-2.20	1 / 1	24.67	22.47	0.177	30.00	-7.53
	QPSK	1730.0	-2.20	1 / 214	24.70	22.50	0.178	30.00	-7.50
		1745.0	-2.20	1 / 214	24.62	22.42	0.175	30.00	-7.58
		1760.0	-2.20	1 / 108	24.70	22.50	0.178	30.00	-7.50
	16-QAM	1745.0	-2.20	1 / 1	23.69	21.49	0.141	30.00	-8.51
64-QAM	1745.0	-2.20	1 / 214	22.69	20.49	0.112	30.00	-9.51	
256-QAM	1760.0	-2.20	1 / 108	19.74	17.54	0.057	30.00	-12.46	


Table 7-30. Antenna 1b EIRP Data (NR Band n66)

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NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-3.30	1 / 23	24.55	21.25	0.133	30.00	-8.75
		1702.5	-3.30	1 / 23	24.67	21.37	0.137	30.00	-8.63
		1707.5	-3.30	1 / 12	24.70	21.40	0.138	30.00	-8.60
	QPSK	1697.5	-3.30	1 / 12	24.65	21.35	0.136	30.00	-8.65
		1702.5	-3.30	1 / 12	24.57	21.27	0.134	30.00	-8.73
		1707.5	-3.30	1 / 23	24.57	21.27	0.134	30.00	-8.73
	16-QAM	1697.5	-3.30	1 / 1	23.74	20.44	0.111	30.00	-9.56
	64-QAM	1707.5	-3.30	1 / 12	22.66	19.36	0.086	30.00	-10.64
256-QAM	1697.5	-3.30	1 / 1	19.80	16.50	0.045	30.00	-13.50	
10 MHz	π/2 BPSK	1700.0	-3.30	1 / 1	24.62	21.32	0.136	30.00	-8.68
		1702.5	-3.30	1 / 1	24.59	21.29	0.135	30.00	-8.71
		1705.0	-3.30	1 / 1	24.43	21.13	0.130	30.00	-8.87
	QPSK	1700.0	-3.30	1 / 1	24.56	21.26	0.134	30.00	-8.74
		1702.5	-3.30	1 / 25	24.68	21.38	0.137	30.00	-8.62
		1705.0	-3.30	1 / 1	24.70	21.40	0.138	30.00	-8.60
	16-QAM	1700.0	-3.30	1 / 1	23.61	20.31	0.107	30.00	-9.69
	64-QAM	1702.5	-3.30	1 / 25	22.52	19.22	0.084	30.00	-10.78
256-QAM	1705.0	-3.30	1 / 50	19.79	16.49	0.045	30.00	-13.51	
15 MHz	π/2 BPSK	1702.5	-3.30	1 / 1	24.57	21.27	0.134	30.00	-8.73
	QPSK	1702.5	-3.30	1 / 36	24.39	21.09	0.129	30.00	-8.91
	16-QAM	1702.5	-3.30	1 / 1	23.64	20.34	0.108	30.00	-9.66
	64-QAM	1702.5	-3.30	1 / 77	22.66	19.36	0.086	30.00	-10.64
	256-QAM	1702.5	-3.30	1 / 1	19.54	16.24	0.042	30.00	-13.76


Table 7-31. Antenna 1b EIRP Data (NR Band n70)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	23.46	-2.20	21.26	0.134	30.00	-8.74
1732.60	WCDMA1700	23.45	-2.20	21.25	0.133	30.00	-8.75
1752.60	WCDMA1700	23.54	-2.20	21.34	0.136	30.00	-8.66

Table 7-32. Antenna 1b EIRP Data (WCDMA AWS)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7 Radiated Spurious Emissions §2.1053, §27.53(f)

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

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

Test Settings

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

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Test Setup

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

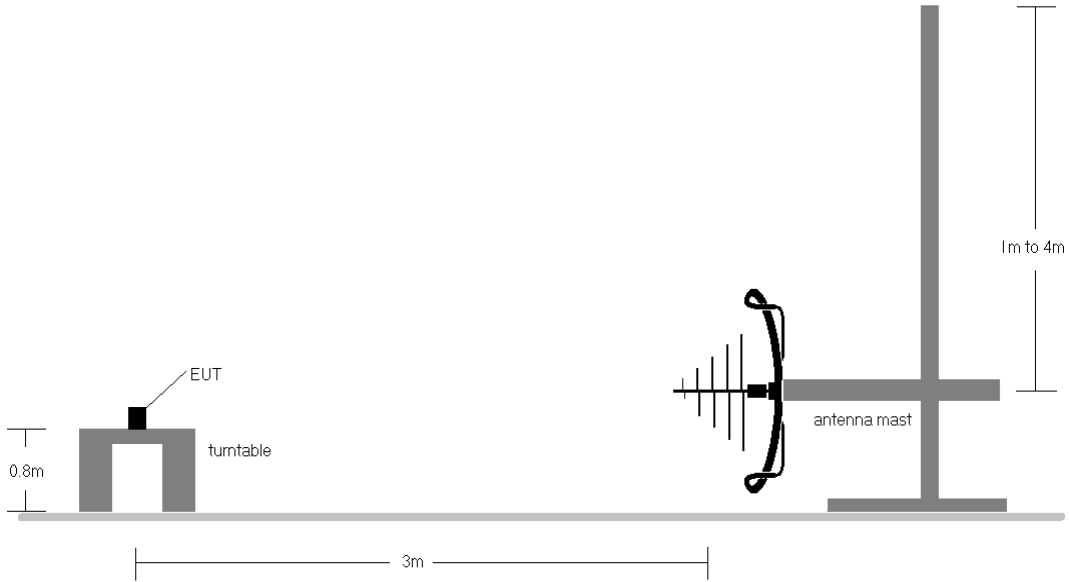


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

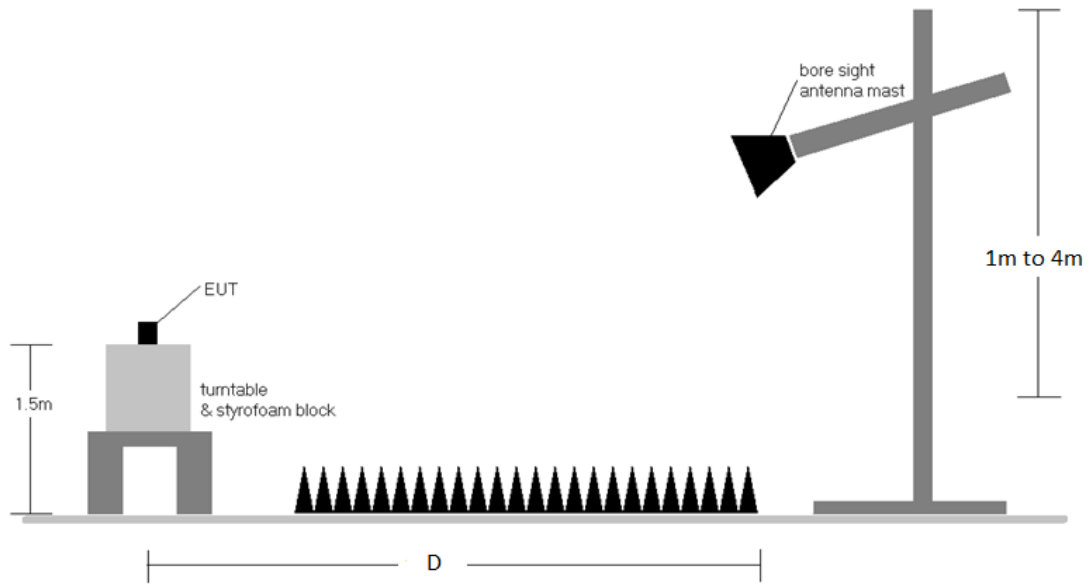



Figure 7-12. Test Instrument & Measurement Setup > 1GHz

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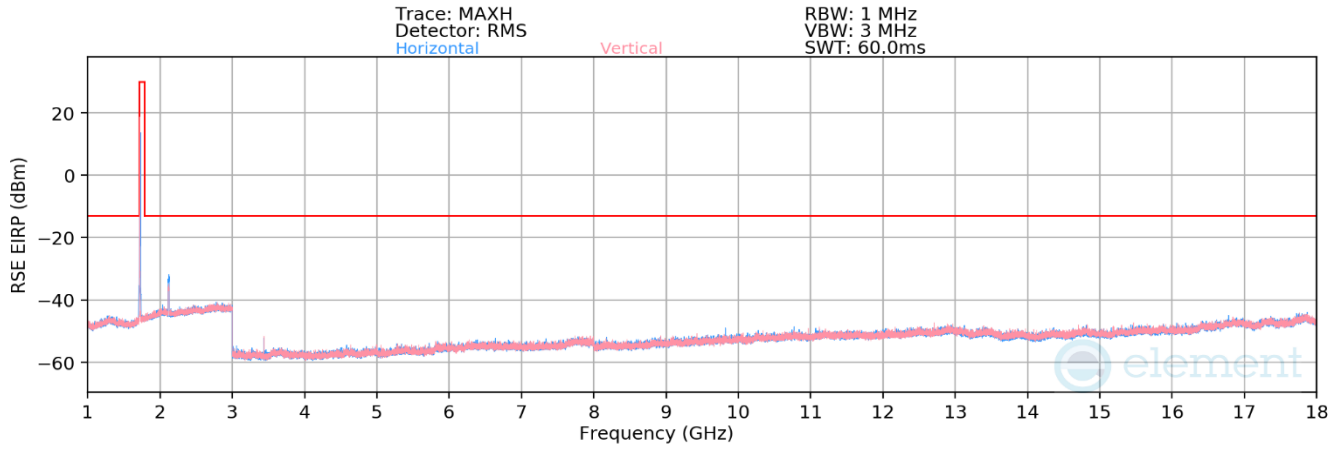
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Test Notes


1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
8. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.
9. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".

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7.7.1 Antenna 4 – Radiated Spurious Emission Measurement LTE Band 66/4



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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	V	362	216	-68.44	1.91	40.47	-54.79	-13.00	-41.79
5160.0	H	-	-	-79.43	5.24	32.81	-62.45	-13.00	-49.45
6880.0	H	-	-	-81.76	9.84	35.07	-60.18	-13.00	-47.18
8600.0	V	-	-	-81.14	8.93	34.79	-60.47	-13.00	-47.47

Table 7-33. Antenna 4 Radiated Spurious Data (LTE Band 66/4 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	348	219	-70.82	1.36	37.55	-57.71	-13.00	-44.71
5235.0	V	-	-	-78.99	5.40	33.41	-61.85	-13.00	-48.85
6980.0	H	-	-	-81.70	9.85	35.15	-60.10	-13.00	-47.10
8725.0	H	-	-	-81.01	9.45	35.44	-59.82	-13.00	-46.82

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

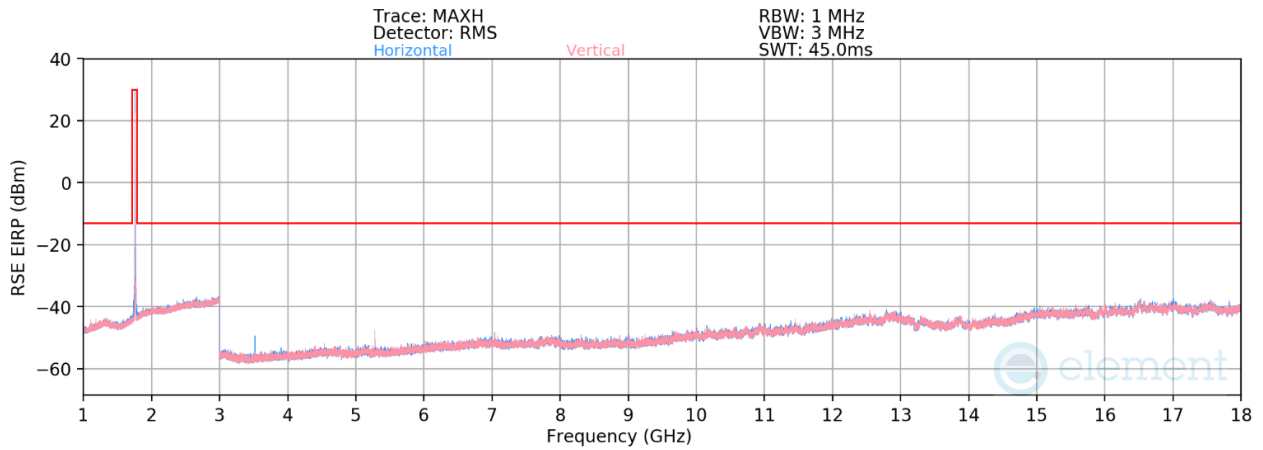
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	V	316	223	-72.93	1.77	35.84	-59.42	-13.00	-46.42
5310.0	V	-	-	-79.13	5.73	33.61	-61.65	-13.00	-48.65
7080.0	V	-	-	-81.32	9.18	34.86	-60.40	-13.00	-47.40
8850.0	V	-	-	-81.58	10.64	36.06	-59.20	-13.00	-46.20


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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66



Plot 7-479. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n66)

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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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	V	351	221	-72.10	4.46	39.36	-55.90	-13.00	-42.90
5190.0	V	-	-	-78.53	8.10	36.57	-58.69	-13.00	-45.69
6920.0	V	-	-	-81.24	11.05	36.81	-58.45	-13.00	-45.45
8650.0	H	-	-	-81.39	11.72	37.33	-57.93	-13.00	-44.93

Table 7-36. Antenna 4 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	325	229	-74.00	4.52	37.52	-57.74	-13.00	-44.74
5235.0	V	-	-	-78.98	8.24	36.26	-59.00	-13.00	-46.00
6980.0	V	-	-	-80.96	11.16	37.20	-58.06	-13.00	-45.06
8725.0	V	-	-	-81.33	12.10	37.77	-57.48	-13.00	-44.48

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

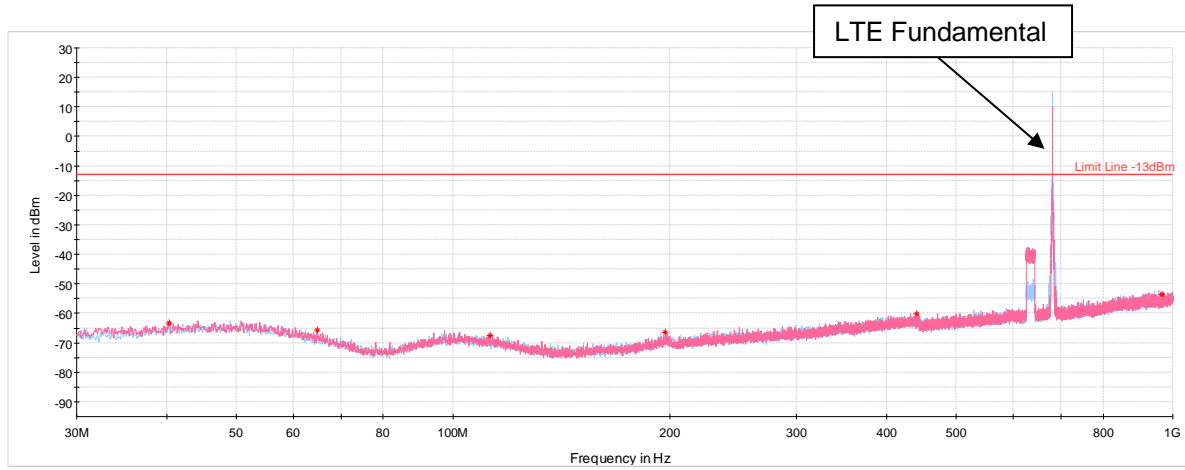
Bandwidth (MHz):	40
Frequency (MHz):	1760.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	V	322	218	-74.24	4.64	37.40	-57.86	-13.00	-44.86
5280.0	V	290	261	-75.46	8.30	39.84	-55.41	-13.00	-42.41
7040.0	V	-	-	-80.93	11.26	37.32	-57.93	-13.00	-44.93
8800.0	V	-	-	-81.66	12.33	37.67	-57.59	-13.00	-44.59
10560.0	V	-	-	-82.74	16.26	40.52	-54.74	-13.00	-41.74

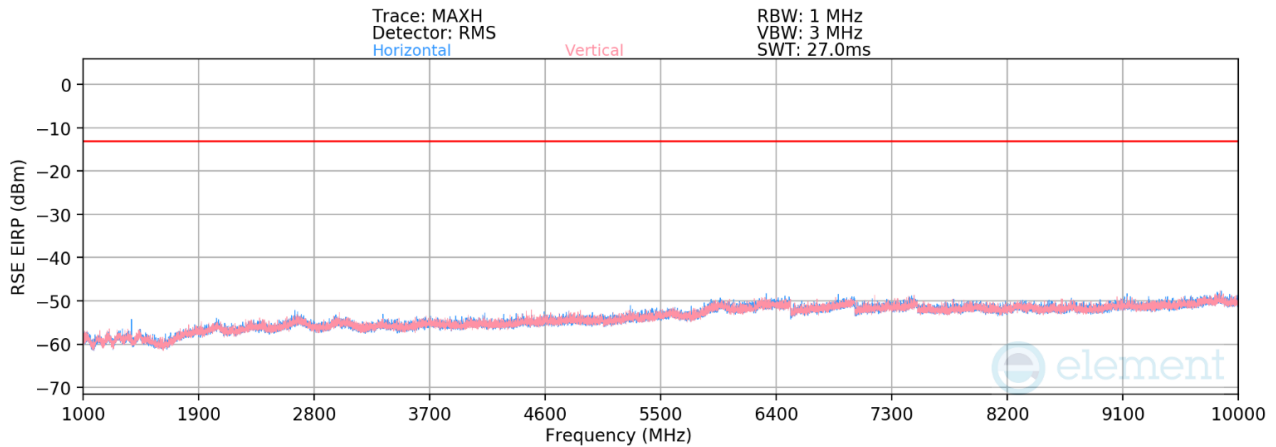
Table 7-38. Antenna 4 Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 308 of 350

LTE Band 71



Plot 7-480. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 71)



Plot 7-481. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 71)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 309 of 350

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	223	175	-68.51	-4.45	34.04	-61.21	-13.00	-48.21
2019.0	H	-	-	-73.33	-0.63	33.03	-62.23	-13.00	-49.23
2692.0	H	-	-	-74.62	1.84	34.21	-61.04	-13.00	-48.04
3365.0	H	-	-	-75.77	2.27	33.50	-61.76	-13.00	-48.76

Table 7-39. Antenna 4 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	235	129	-66.66	-4.87	35.47	-59.78	-13.00	-46.78
2041.5	H	-	-	-73.39	-0.53	33.07	-62.18	-13.00	-49.18
2722.0	H	-	-	-74.87	1.85	33.98	-61.27	-13.00	-48.27
3402.5	H	-	-	-75.82	2.16	33.34	-61.92	-13.00	-48.92

Table 7-40. Antenna 4 Radiated Spurious Data (LTE Band 71 – Mid Channel)

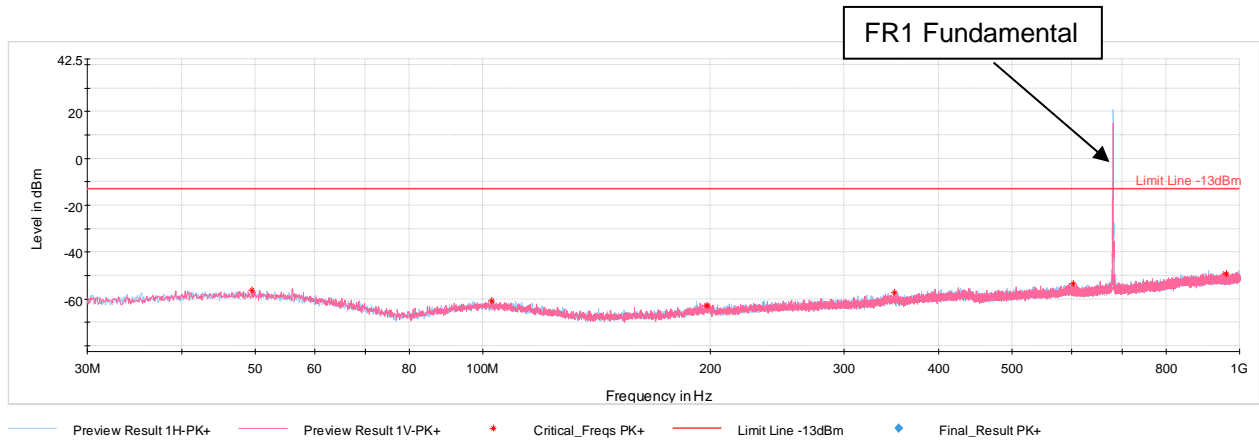
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

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	220	170	-65.06	-4.96	36.98	-58.28	-13.00	-45.28
2064.0	H	-	-	-73.42	-0.63	32.95	-62.31	-13.00	-49.31
2752.0	H	-	-	-75.00	1.52	33.52	-61.74	-13.00	-48.74
3440.0	H	-	-	-75.96	2.25	33.29	-61.97	-13.00	-48.97

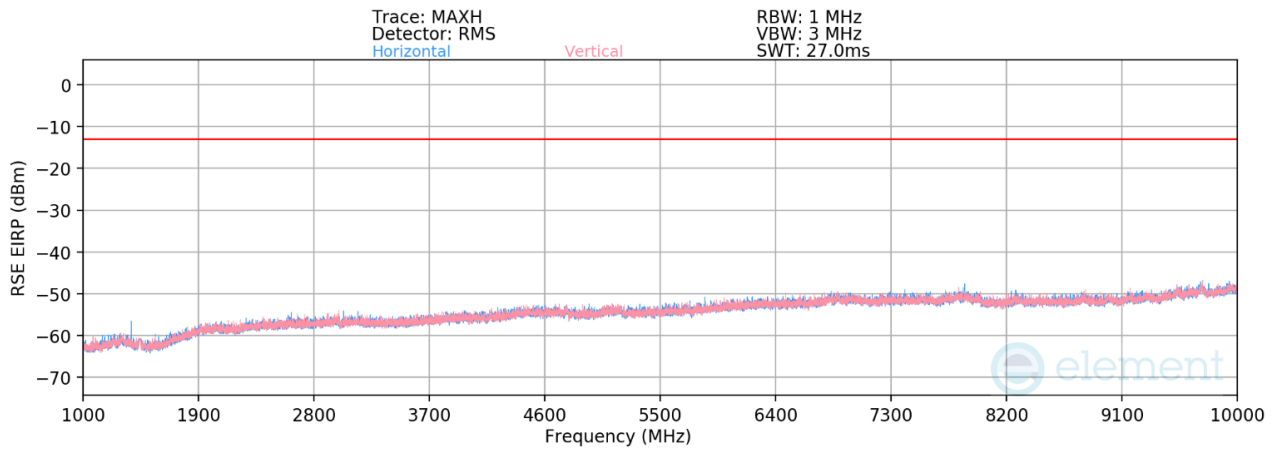
Table 7-41. Antenna 4 Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 310 of 350

NR Band n71



Plot 7-482. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n71)



Plot 7-483. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n71)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 311 of 350

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	189	128	-74.35	-1.54	31.11	-64.15	-13.00	-51.15
2019.0	H	-	-	-77.92	1.67	30.75	-64.51	-13.00	-51.51
2692.0	V	-	-	-78.39	2.90	31.51	-63.75	-13.00	-50.75
3365.0	V	-	-	-78.70	3.89	32.19	-63.06	-13.00	-50.06

Table 7-42. Antenna 4 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	155	122	-72.21	-1.78	33.01	-62.25	-13.00	-49.25
2041.5	H	-	-	-77.77	1.70	30.93	-64.33	-13.00	-51.33
2722.0	V	-	-	-78.33	2.92	31.59	-63.67	-13.00	-50.67
3402.5	V	-	-	-78.79	3.91	32.12	-63.14	-13.00	-50.14

Table 7-43. Antenna 4 Radiated Spurious Data (NR Band n71 – Mid Channel)

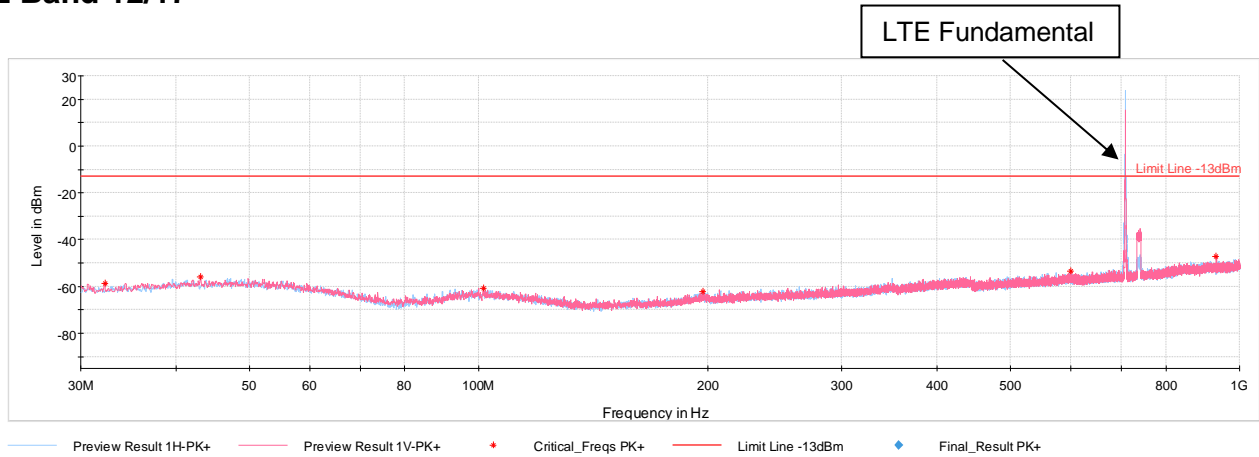
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

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	155	124	-71.63	-1.81	33.56	-61.70	-13.00	-48.70
2064.0	H	-	-	-77.97	1.70	30.72	-64.53	-13.00	-51.53
2752.0	H	-	-	-78.43	3.02	31.59	-63.67	-13.00	-50.67
3440.0	V	-	-	-79.26	4.12	31.87	-63.39	-13.00	-50.39

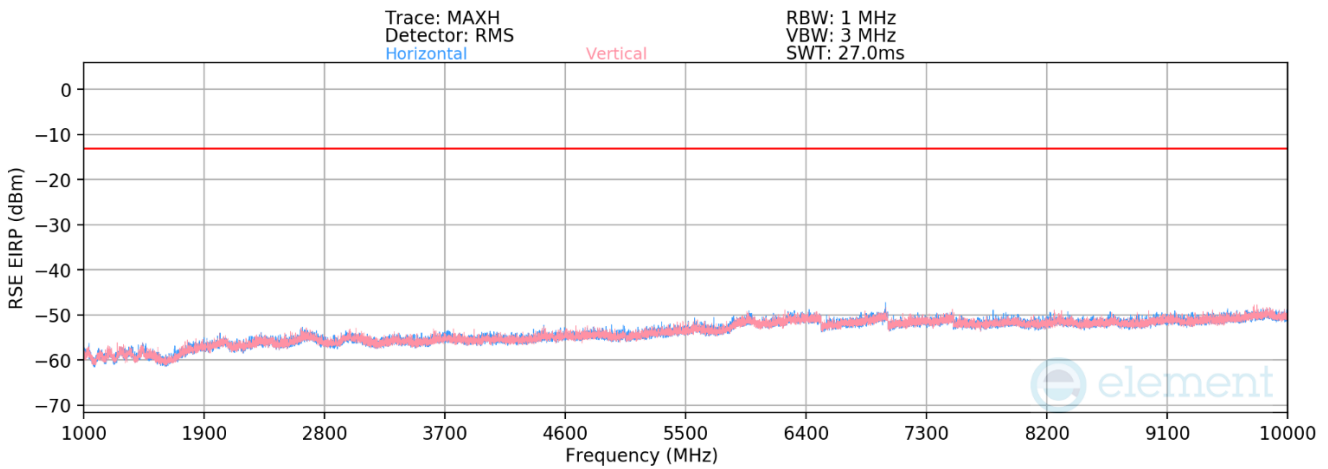
Table 7-44. Antenna 4 Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 312 of 350

LTE Band 12/17



Plot 7-484. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 12/17)



Plot 7-485. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 12/17)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 313 of 350



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	-	-	-74.23	-4.87	27.90	-67.36	-13.00	-54.36
2112.0	V	-	-	-74.01	-1.21	31.78	-63.48	-13.00	-50.48
2816.0	H	-	-	-75.18	0.81	32.64	-62.62	-13.00	-49.62

Table 7-45. Antenna 4 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	-	-	-73.51	-4.87	28.62	-66.64	-13.00	-53.64
2122.5	H	-	-	-73.88	-1.31	31.82	-63.44	-13.00	-50.44
2830.0	H	-	-	-74.82	0.41	32.59	-62.67	-13.00	-49.67

Table 7-46. Antenna 4 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	-	-	-73.32	-4.87	28.81	-66.45	-13.00	-53.45
2133.0	H	-	-	-73.92	-1.31	31.78	-63.48	-13.00	-50.48
2844.0	V	-	-	-74.81	0.45	32.64	-62.61	-13.00	-49.61

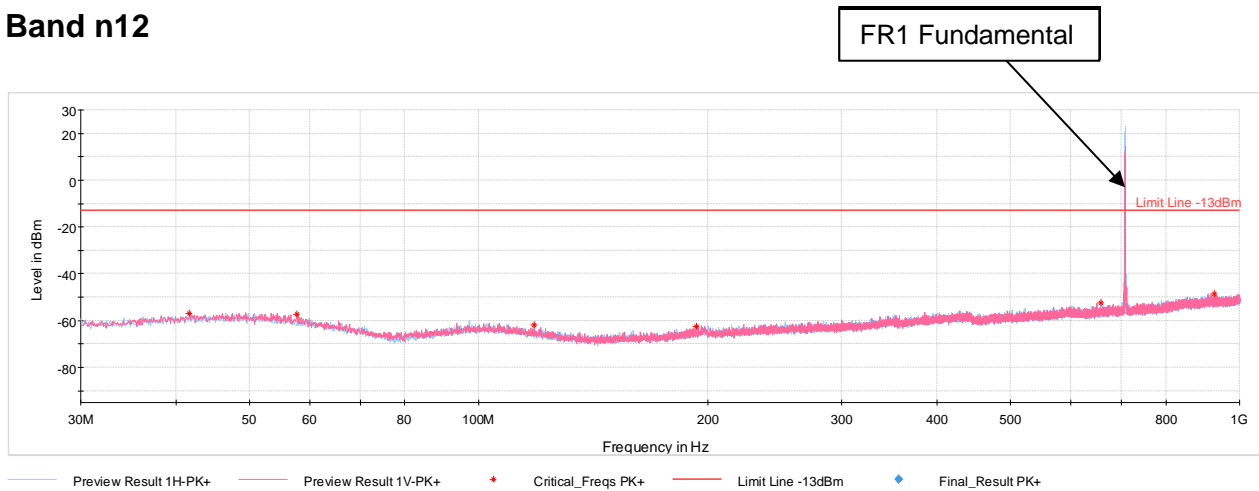
Table 7-47. Antenna 4 Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 314 of 350

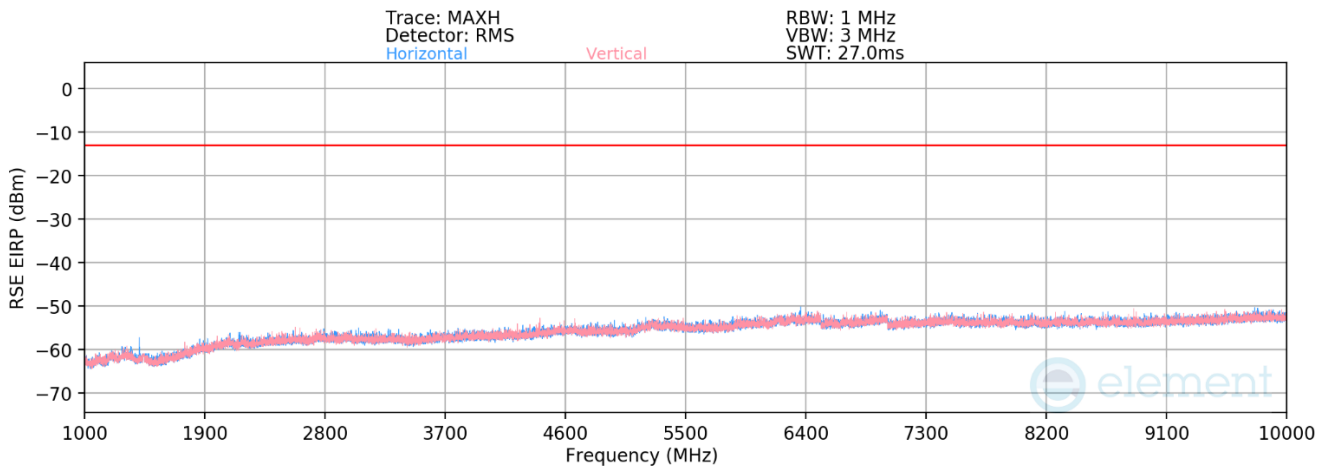
V2.2 09/07/2023

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NR Band n12



Plot 7-486. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n12)



Plot 7-487. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n12)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 315 of 350

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	140	122	-68.89	-2.66	35.45	-59.81	-13.00	-46.81
2119.5	H	-	-	-78.04	1.62	30.58	-64.68	-13.00	-51.68
2826.0	V	-	-	-78.44	3.10	31.66	-63.60	-13.00	-50.60
3532.5	V	-	-	-79.21	4.48	32.27	-62.99	-13.00	-49.99

Table 7-48. Antenna 4 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	142	127	-69.68	-2.66	34.66	-60.60	-13.00	-47.60
2122.5	V	-	-	-77.75	1.46	30.72	-64.54	-13.00	-51.54
2830.0	V	-	-	-78.59	3.10	31.51	-63.74	-13.00	-50.74
3537.5	H	-	-	-79.16	4.47	32.32	-62.94	-13.00	-49.94

Table 7-49. Antenna 4 Radiated Spurious Data (NR Band n12 – Mid Channel)

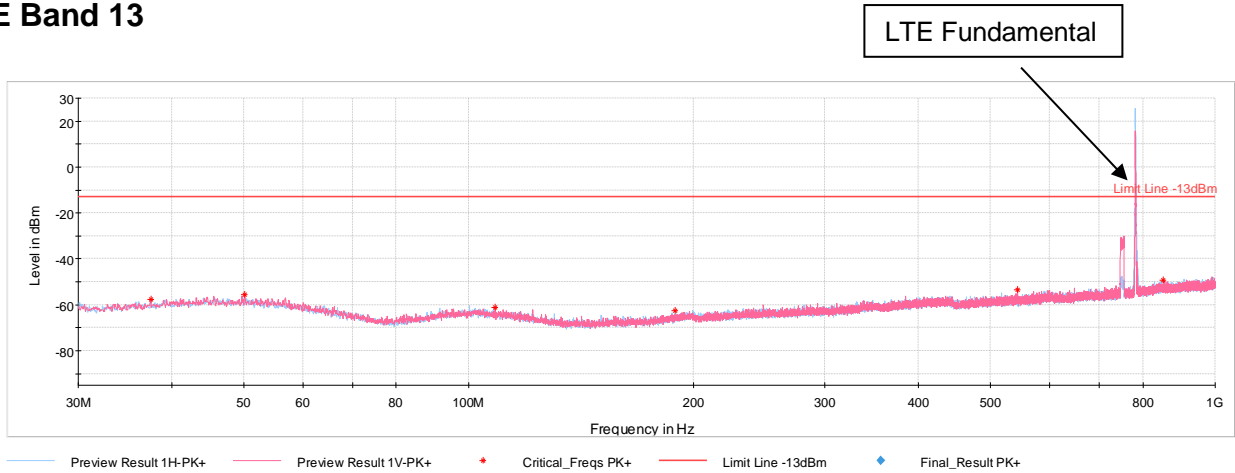
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 37

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	112	132	-68.96	-2.66	35.38	-59.87	-13.00	-46.87
2125.5	V	-	-	-78.03	1.62	30.60	-64.66	-13.00	-51.66
2834.0	V	-	-	-78.40	3.12	31.72	-63.54	-13.00	-50.54
3542.5	H	-	-	-79.36	4.47	32.11	-63.14	-13.00	-50.14

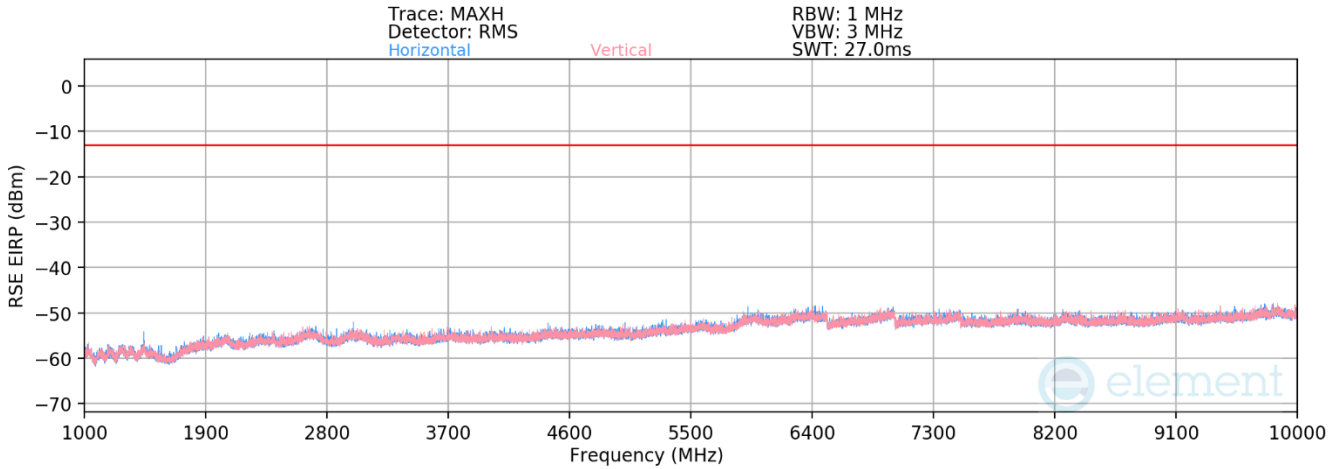
Table 7-50. Antenna 4 Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 316 of 350

LTE Band 13



Plot 7-488. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 13)



Plot 7-489. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 13)

FCC ID: BCGA3267	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 317 of 350

Bandwidth (MHz):	5
Frequency (MHz):	779.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	H	229	32	-70.38	-5.31	31.31	-63.95	-40.00	-23.95
2338.5	H	-	-	-73.95	-0.04	33.01	-62.24	-13.00	-49.24
3118.0	H	-	-	-75.42	1.84	33.42	-61.84	-13.00	-48.84
3897.5	H	-	-	-76.76	2.92	33.16	-62.10	-13.00	-49.10

Table 7-51. Antenna 4 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	235	34	-70.11	-5.31	31.58	-63.68	-40.00	-23.68
2346.0	H	-	-	-73.91	-0.22	32.86	-62.39	-13.00	-49.39
3128.0	H	-	-	-75.95	2.20	33.25	-62.00	-13.00	-49.00
3910.0	H	-	-	-76.52	2.92	33.41	-61.85	-13.00	-48.85

Table 7-52. Antenna 4 Radiated Spurious Data (LTE Band 13 – Mid Channel)

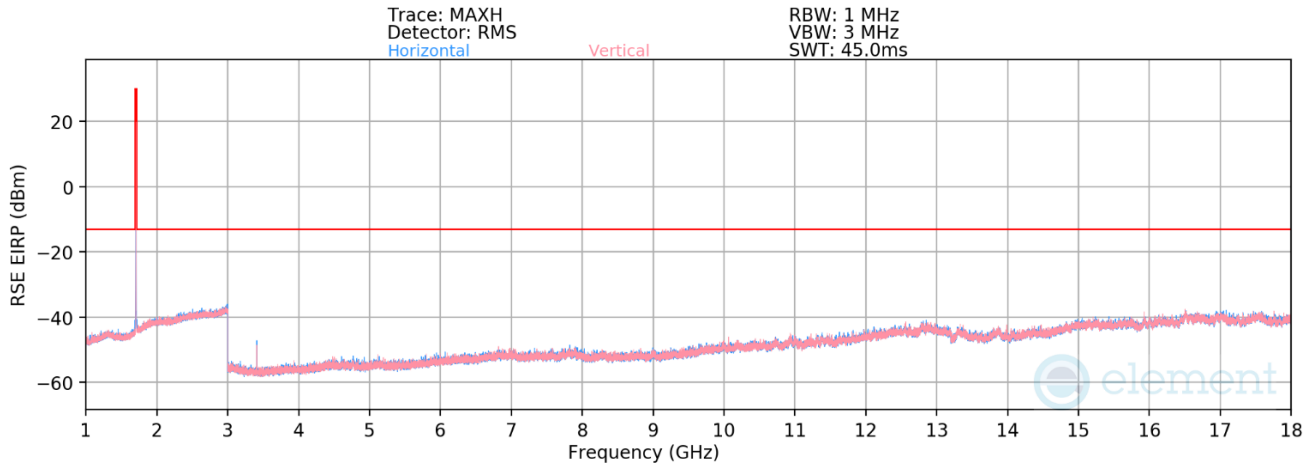
Bandwidth (MHz):	5
Frequency (MHz):	784.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	H	235	34	-67.62	-5.29	34.09	-61.17	-40.00	-21.17
2353.5	H	-	-	-74.33	0.07	32.74	-62.52	-13.00	-49.52
3138.0	H	-	-	-75.55	1.84	33.29	-61.97	-13.00	-48.97
3922.5	H	-	-	-76.66	2.89	33.24	-62.02	-13.00	-49.02


Table 7-53. Antenna 4 Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 318 of 350

NR Band n70



Plot 7-490. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n70)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 319 of 350

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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3400.0	V	313	217	-70.98	4.64	40.66	-54.60	-13.00	-41.60
5100.0	V	-	-	-80.03	7.64	34.61	-60.65	-13.00	-47.65
6800.0	V	-	-	-81.12	11.32	37.19	-58.06	-13.00	-45.06
8500.0	V	-	-	-81.34	11.86	37.51	-57.74	-13.00	-44.74

Table 7-54. Antenna 4 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	V	307	217	-70.59	4.60	41.01	-54.25	-13.00	-41.25
5107.5	V	-	-	-78.76	7.82	36.06	-59.19	-13.00	-46.19
6810.0	V	-	-	-81.03	11.32	37.29	-57.97	-13.00	-44.97
8512.5	H	-	-	-81.15	11.43	37.28	-57.98	-13.00	-44.98

Table 7-55. Antenna 4 Radiated Spurious Data (NR Band n70 – Mid Channel)

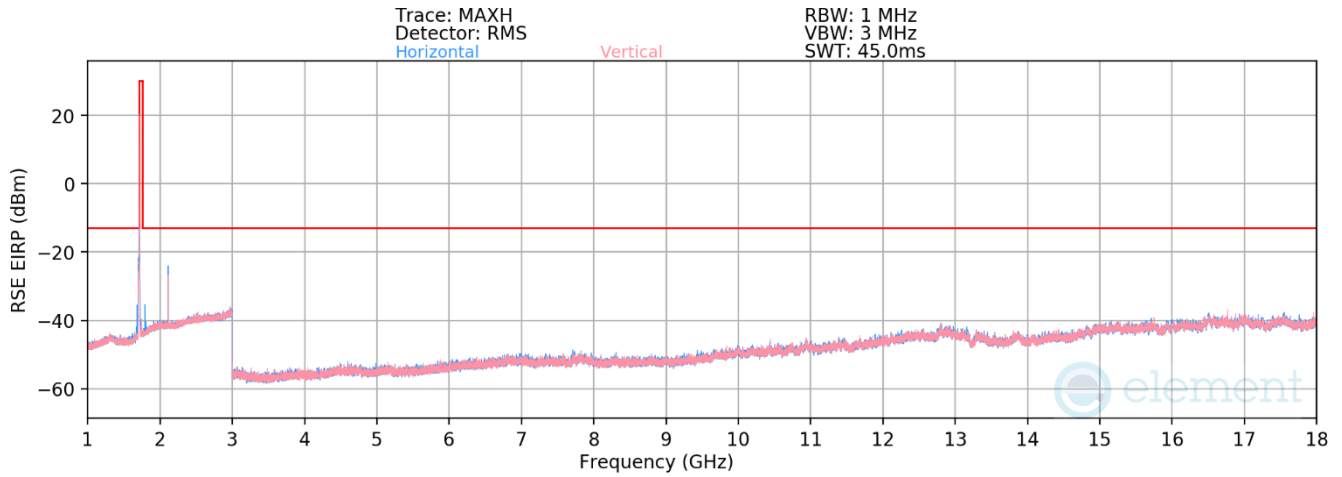
Bandwidth (MHz):	10
Frequency (MHz):	1705.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	V	309	216	-70.35	4.60	41.24	-54.01	-13.00	-41.01
5115.0	V	273	174	-77.24	7.92	37.67	-57.58	-13.00	-44.58
6820.0	V	-	-	-81.12	11.32	37.20	-58.06	-13.00	-45.06
8525.0	H	-	-	-81.13	11.43	37.30	-57.96	-13.00	-44.96
10230.0	V	-	-	-83.28	16.38	40.10	-55.16	-13.00	-42.16


Table 7-56. Antenna 4 Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 320 of 350

WCDMA AWS



Plot 7-491. Antenna 4 Radiated Spurious Emission above 1GHz (WCDMA AWS)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-09-R2.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 321 of 350

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	V	317	223	-76.60	4.47	34.87	-60.39	-13.00	-47.39
5137.2	V	-	-	-80.60	8.03	34.43	-60.83	-13.00	-47.83
6849.6	V	-	-	-81.27	11.05	36.78	-58.47	-13.00	-45.47
8562.0	V	-	-	-81.21	11.43	37.22	-58.04	-13.00	-45.04

7-57. Antenna 4 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	V	-	-	-78.75	4.63	32.89	-62.37	-13.00	-49.37
5197.8	V	-	-	-80.67	8.14	34.47	-60.79	-13.00	-47.79
6930.4	V	-	-	-81.51	11.07	36.55	-58.70	-13.00	-45.70

Table 7-58. Antenna 4 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	V	-	-	-78.40	4.57	33.17	-62.09	-13.00	-49.09
5257.8	V	-	-	-80.83	8.27	34.44	-60.82	-13.00	-47.82
7010.4	V	-	-	-81.33	11.13	36.80	-58.45	-13.00	-45.45

Table 7-59. Antenna 4 Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.2 Antenna 3b – 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	-	-	-71.56	-4.45	30.99	-64.26	-13.00	-51.26
2019.0	H	-	-	-72.26	-1.30	33.44	-61.82	-13.00	-48.82
2692.0	H	-	-	-74.45	1.85	34.41	-60.85	-13.00	-47.85

Table 7-60. Antenna 3b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	-	-	-71.70	-4.45	30.85	-64.41	-13.00	-51.41
2041.5	H	-	-	-72.43	-0.63	33.94	-61.32	-13.00	-48.32
2722.0	H	-	-	-74.91	1.85	33.94	-61.32	-13.00	-48.32

Table 7-61. Antenna 3b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	-	-	-71.65	-4.77	30.57	-64.68	-13.00	-51.68
2064.0	H	-	-	-73.30	-0.53	33.17	-62.09	-13.00	-49.09
2752.0	H	-	-	-74.86	1.52	33.66	-61.60	-13.00	-48.60

Table 7-62. Antenna 3b Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	V	-	-	-77.76	-1.43	27.81	-67.45	-13.00	-54.45
2019.0	H	-	-	-77.88	1.70	30.82	-64.44	-13.00	-51.44
2692.0	H	-	-	-78.43	3.10	31.66	-63.59	-13.00	-50.59

Table 7-63. Antenna 3b 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	-	-	-77.27	-1.54	28.19	-67.07	-13.00	-54.07
2041.5	H	-	-	-77.95	1.67	30.72	-64.54	-13.00	-51.54
2722.0	H	-	-	-78.07	3.02	31.95	-63.31	-13.00	-50.31

Table 7-64. Antenna 3b 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	V	-	-	-77.44	-1.54	28.02	-67.24	-13.00	-54.24
2064.0	V	-	-	-77.99	1.70	30.71	-64.55	-13.00	-51.55
2752.0	H	-	-	-78.45	3.02	31.57	-63.68	-13.00	-50.68

Table 7-65. Antenna 3b Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	H	-	-	-71.42	-4.87	30.71	-64.55	-13.00	-51.55
2112.0	H	-	-	-73.94	-1.21	31.85	-63.41	-13.00	-50.41
2816.0	H	-	-	-74.98	0.60	32.63	-62.63	-13.00	-49.63

Table 7-66. Antenna 3b 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	-	-	-71.09	-4.87	31.04	-64.21	-13.00	-51.21
2122.5	H	-	-	-73.70	-1.43	31.87	-63.39	-13.00	-50.39
2830.0	H	-	-	-74.70	0.41	32.71	-62.55	-13.00	-49.55

Table 7-67. Antenna 3b 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	-	-	-71.51	-4.87	30.62	-64.64	-13.00	-51.64
2133.0	H	-	-	-73.54	-1.43	32.03	-63.22	-13.00	-50.22
2844.0	V	-	-	-74.80	0.45	32.65	-62.60	-13.00	-49.60

Table 7-68. Antenna 3b Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	H	-	-	-76.66	-2.66	27.68	-67.58	-13.00	-54.58
2119.5	H	-	-	-77.92	1.46	30.54	-64.71	-13.00	-51.71
2826.0	H	-	-	-78.50	3.12	31.62	-63.64	-13.00	-50.64

Table 7-69. Antenna 3b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	H	-	-	-76.48	-2.66	27.86	-67.40	-13.00	-54.40
2122.5	H	-	-	-77.99	1.62	30.63	-64.63	-13.00	-51.63
2830.0	H	-	-	-78.20	2.92	31.73	-63.53	-13.00	-50.53

Table 7-70. Antenna 3b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.0	H	-	-	-75.73	-2.66	28.61	-66.65	-13.00	-53.65
2125.5	H	-	-	-77.94	1.45	30.51	-64.75	-13.00	-51.75
2834.0	H	-	-	-78.13	2.92	31.79	-63.46	-13.00	-50.46

Table 7-71. Antenna 3b Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13

Bandwidth (MHz):	5
Frequency (MHz):	779.5
RB / Offset:	1 / 12

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]
1559.0	H	-	-	-74.54	-5.31	27.15	-68.11	-40.00	-28.11
2338.5	H	-	-	-73.88	-0.04	33.09	-62.17	-13.00	-49.17
3118.0	H	-	-	-75.58	2.17	33.59	-61.67	-13.00	-48.67

Table 7-72. Antenna 3b 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	-	-	-74.36	-5.31	27.33	-67.93	-40.00	-27.93
2346.0	H	-	-	-73.80	-0.04	33.16	-62.10	-13.00	-49.10
3128.0	H	-	-	-75.51	1.84	33.33	-61.93	-13.00	-48.93

Table 7-73. Antenna 3b Radiated Spurious Data (LTE Band 13 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	784.5
RB / Offset:	1 / 12

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]
1569.0	H	-	-	-74.55	-5.31	27.14	-68.12	-40.00	-28.12
2353.5	H	-	-	-74.29	0.07	32.78	-62.48	-13.00	-49.48
3138.0	H	-	-	-75.68	1.84	33.16	-62.10	-13.00	-49.10

Table 7-74. Antenna 3b Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.3 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	-	-	-77.39	2.14	31.75	-63.50	-13.00	-50.50
5160.0	V	-	-	-79.15	5.09	32.94	-62.31	-13.00	-49.31
6880.0	V	-	-	-81.40	9.54	35.14	-60.12	-13.00	-47.12

Table 7-75. 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	-	-	-76.43	1.36	31.94	-63.32	-13.00	-50.32
5235.0	V	-	-	-78.92	5.40	33.48	-61.77	-13.00	-48.77
6980.0	V	-	-	-81.75	9.85	35.10	-60.16	-13.00	-47.16

Table 7-76. 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	V	-	-	-76.76	2.49	32.73	-62.52	-13.00	-49.52
5310.0	H	-	-	-79.14	5.73	33.59	-61.66	-13.00	-48.66
7080.0	H	-	-	-81.29	9.07	34.77	-60.49	-13.00	-47.49

Table 7-77. Antenna 2b Radiated Spurious Data (LTE Band 66/4 – High Channel)

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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	-	-	-79.10	4.62	32.52	-62.74	-13.00	-49.74
5190.0	V	-	-	-80.66	8.10	34.44	-60.82	-13.00	-47.82
6920.0	V	-	-	-81.22	11.27	37.05	-58.21	-13.00	-45.21

Table 7-78. 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	V	-	-	-79.04	4.62	32.58	-62.68	-13.00	-49.68
5235.0	H	-	-	-80.75	8.24	34.49	-60.76	-13.00	-47.76
6980.0	H	-	-	-81.02	11.16	37.14	-58.12	-13.00	-45.12

Table 7-79. 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	V	-	-	-79.10	4.76	32.66	-62.60	-13.00	-49.60
5280.0	V	-	-	-80.82	8.30	34.48	-60.78	-13.00	-47.78
7040.0	H	-	-	-81.06	11.31	37.25	-58.00	-13.00	-45.00

Table 7-80. Antenna 2b Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-79.14	4.60	32.46	-62.80	-13.00	-49.80
5100.0	H	-	-	-80.55	7.92	34.37	-60.89	-13.00	-47.89
6800.0	V	-	-	-80.54	10.98	37.44	-57.82	-13.00	-44.82

Table 7-81. 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	V	-	-	-78.90	4.60	32.69	-62.56	-13.00	-49.56
5107.5	H	-	-	-80.62	7.92	34.30	-60.96	-13.00	-47.96
6810.0	H	-	-	-81.11	11.32	37.21	-58.05	-13.00	-45.05

Table 7-82. 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	-	-	-79.02	4.60	32.58	-62.68	-13.00	-49.68
5115.0	H	-	-	-80.60	7.92	34.32	-60.94	-13.00	-47.94
6820.0	V	-	-	-80.77	10.98	37.21	-58.05	-13.00	-45.05

Table 7-83. Antenna 2b Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-79.11	4.47	32.36	-62.90	-13.00	-49.90
5137.2	H	-	-	-80.80	8.03	34.23	-61.03	-13.00	-48.03
6849.6	H	-	-	-81.26	11.05	36.79	-58.46	-13.00	-45.46

7-84. 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-79.13	4.63	32.50	-62.76	-13.00	-49.76
5197.8	H	-	-	-80.71	8.14	34.43	-60.83	-13.00	-47.83
6930.4	H	-	-	-81.03	11.07	37.04	-58.22	-13.00	-45.22

Table 7-85. 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-79.18	4.57	32.39	-62.87	-13.00	-49.87
5257.8	H	-	-	-80.97	8.27	34.30	-60.96	-13.00	-47.96
7010.4	H	-	-	-81.43	11.13	36.70	-58.55	-13.00	-45.55

Table 7-86. Antenna 2b Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.4 Antenna 3a - 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	V	-	-	-76.56	1.91	32.34	-62.91	-13.00	-49.91
5160.0	H	-	-	-79.34	5.27	32.93	-62.33	-13.00	-49.33
6880.0	H	-	-	-81.43	9.54	35.11	-60.15	-13.00	-47.15

Table 7-87. Antenna 3a Radiated Spurious Data (LTE Band 66/4 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	-	-	-76.27	1.36	32.09	-63.17	-13.00	-50.17
5235.0	H	-	-	-79.19	5.40	33.21	-62.05	-13.00	-49.05
6980.0	V	-	-	-81.86	9.85	34.99	-60.26	-13.00	-47.26

Table 7-88. Antenna 3a Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	V	-	-	-76.77	2.49	32.72	-62.53	-13.00	-49.53
5310.0	V	-	-	-79.44	6.13	33.70	-61.56	-13.00	-48.56
7080.0	V	-	-	-81.39	9.18	34.79	-60.47	-13.00	-47.47

Table 7-89. Antenna 3a Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	V	-	-	-78.99	4.62	32.63	-62.63	-13.00	-49.63
5190.0	V	-	-	-80.67	8.10	34.44	-60.82	-13.00	-47.82
6920.0	H	-	-	-81.21	11.27	37.07	-58.19	-13.00	-45.19

Table 7-90. Antenna 3a 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	V	-	-	-79.01	4.62	32.61	-62.64	-13.00	-49.64
5235.0	V	-	-	-80.64	8.23	34.59	-60.67	-13.00	-47.67
6980.0	H	-	-	-81.00	11.16	37.17	-58.09	-13.00	-45.09

Table 7-91. Antenna 3a 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	V	-	-	-79.12	4.76	32.64	-62.62	-13.00	-49.62
5280.0	V	-	-	-80.87	8.40	34.54	-60.72	-13.00	-47.72
7040.0	V	-	-	-81.04	11.22	37.17	-58.08	-13.00	-45.08

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-78.92	4.52	32.60	-62.66	-13.00	-49.66
5100.0	V	-	-	-80.25	7.74	34.49	-60.76	-13.00	-47.76
6800.0	V	-	-	-81.04	11.32	37.28	-57.98	-13.00	-44.98

Table 7-93. Antenna 3a 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	-	-	-79.02	4.60	32.57	-62.69	-13.00	-49.69
5107.5	H	-	-	-80.73	7.92	34.19	-61.07	-13.00	-48.07
6810.0	V	-	-	-80.81	11.32	37.50	-57.75	-13.00	-44.75

Table 7-94. Antenna 3a 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	-	-	-78.87	4.52	32.64	-62.61	-13.00	-49.61
5115.0	V	-	-	-80.42	7.92	34.50	-60.76	-13.00	-47.76
6820.0	H	-	-	-80.95	11.32	37.37	-57.89	-13.00	-44.89

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-79.16	4.47	32.31	-62.95	-13.00	-49.95
5137.2	H	-	-	-80.69	8.03	34.34	-60.92	-13.00	-47.92
6849.6	H	-	-	-81.22	11.05	36.83	-58.42	-13.00	-45.42

7-96. Antenna 3a 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-79.09	4.63	32.54	-62.71	-13.00	-49.71
5197.8	H	-	-	-80.79	8.14	34.35	-60.91	-13.00	-47.91
6930.4	H	-	-	-81.31	11.07	36.76	-58.49	-13.00	-45.49

Table 7-97. Antenna 3a 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-79.00	4.57	32.57	-62.69	-13.00	-49.69
5257.8	H	-	-	-80.82	8.27	34.45	-60.81	-13.00	-47.81
7010.4	H	-	-	-81.32	11.13	36.81	-58.44	-13.00	-45.44

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.5 Antenna 1b – 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	-	-	-77.26	2.14	31.89	-63.37	-13.00	-50.37
5160.0	H	-	-	-79.45	5.27	32.83	-62.43	-13.00	-49.43
6880.0	V	-	-	-81.54	9.60	35.06	-60.20	-13.00	-47.20

Table 7-99. Antenna 1b 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	-	-	-76.46	1.36	31.91	-63.35	-13.00	-50.35
5235.0	V	-	-	-78.95	5.17	33.23	-62.03	-13.00	-49.03
6980.0	H	-	-	-81.92	9.85	34.94	-60.32	-13.00	-47.32

Table 7-100. Antenna 1b Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	V	-	-	-76.83	2.49	32.66	-62.59	-13.00	-49.59
5310.0	V	-	-	-79.41	6.13	33.72	-61.54	-13.00	-48.54
7080.0	V	-	-	-81.24	9.18	34.93	-60.32	-13.00	-47.32

Table 7-101. Antenna 1b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-79.10	4.62	32.52	-62.74	-13.00	-49.74
5190.0	V	-	-	-80.66	8.10	34.45	-60.81	-13.00	-47.81
6920.0	V	-	-	-81.28	11.27	37.00	-58.26	-13.00	-45.26

Table 7-102. Antenna 1b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	-	-	-78.85	4.52	32.67	-62.59	-13.00	-49.59
5235.0	V	-	-	-80.64	8.23	34.59	-60.67	-13.00	-47.67
6980.0	V	-	-	-80.72	11.16	37.44	-57.82	-13.00	-44.82

Table 7-103. Antenna 1b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	V	-	-	-79.21	4.76	32.55	-62.71	-13.00	-49.71
5280.0	V	-	-	-80.72	8.30	34.59	-60.67	-13.00	-47.67
7040.0	H	-	-	-80.95	11.26	37.30	-57.95	-13.00	-44.95

Table 7-104. Antenna 1b Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-79.05	4.67	32.62	-62.64	-13.00	-49.64
5100.0	H	-	-	-80.57	7.82	34.25	-61.00	-13.00	-48.00
6800.0	H	-	-	-81.13	11.32	37.19	-58.07	-13.00	-45.07

Table 7-105. Antenna 1b 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	-	-	-78.57	4.60	33.03	-62.23	-13.00	-49.23
5107.5	H	-	-	-80.63	7.92	34.29	-60.97	-13.00	-47.97
6810.0	V	-	-	-81.06	11.32	37.25	-58.00	-13.00	-45.00

Table 7-106. Antenna 1b 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	-	-	-79.07	4.60	32.53	-62.73	-13.00	-49.73
5115.0	V	-	-	-80.52	7.92	34.40	-60.86	-13.00	-47.86
6820.0	H	-	-	-80.89	11.32	37.42	-57.83	-13.00	-44.83

Table 7-107. Antenna 1b Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-79.08	4.47	32.39	-62.87	-13.00	-49.87
5137.2	H	-	-	-80.84	8.03	34.19	-61.07	-13.00	-48.07
6849.6	H	-	-	-81.18	11.05	36.87	-58.38	-13.00	-45.38

7-108. Antenna 1b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-79.05	4.63	32.58	-62.68	-13.00	-49.68
5197.8	H	-	-	-80.87	8.14	34.27	-60.99	-13.00	-47.99
6930.4	H	-	-	-81.42	11.07	36.65	-58.61	-13.00	-45.61

Table 7-109. Antenna 1b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-79.22	4.57	32.35	-62.91	-13.00	-49.91
5257.8	H	-	-	-80.86	8.27	34.41	-60.85	-13.00	-47.85
7010.4	H	-	-	-81.38	11.13	36.75	-58.50	-13.00	-45.50

Table 7-110. Antenna 1b Radiated Spurious Data (WCDMA AWS – High Channel)

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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

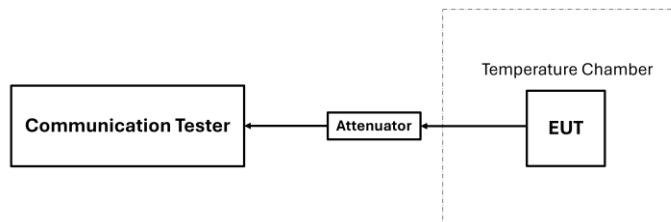


Figure 7-13. LTE Test Instrument & Measurement Setup

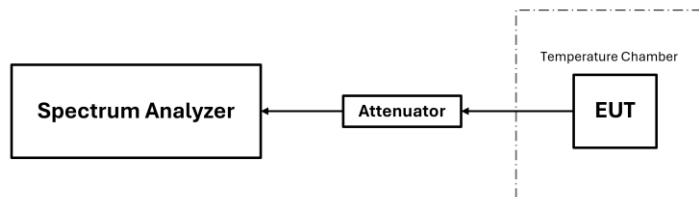



Figure 7-14. FR1 Test Instrument & Measurement Setup

Test Notes

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

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Frequency Stability / Temperature Variation

LTE Band 66/4				
Operating Band Lower Boundary (GHz)		1.710		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71065018	-0.00065018
		- 20	1.71081014	-0.00081014
		- 10	1.71044627	-0.00044627
		0	1.71037685	-0.00037685
		+ 10	1.71063925	-0.00063925
		+ 20 (Ref)	1.71050192	-0.00050192
		+ 30	1.71065616	-0.00065616
		+ 40	1.71058026	-0.00058026
Battery Endpoint	3.40	+ 20	1.71004223	-0.00004223

Table 7-111. LTE Band 66/4 Lower Boundary Frequency Stability Data

LTE Band 66/4				
Operating Band Upper Boundary (GHz)		1.780		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.77916413	-0.00083587
		- 20	1.77924838	-0.00075162
		- 10	1.77980693	-0.00019307
		0	1.77918129	-0.00081871
		+ 10	1.77958945	-0.00041055
		+ 20 (Ref)	1.77976994	-0.00023006
		+ 30	1.77979933	-0.00020067
		+ 40	1.77948482	-0.00051518
Battery Endpoint	3.40	+ 20	1.77920565	-0.00079435

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

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Frequency Stability / Temperature Variation

LTE Band 71				
		Operating Band Lower Boundary (GHz)	0.663	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.66386628	-0.00086628
		- 20	0.66388301	-0.00088301
		- 10	0.66372198	-0.00072198
		0	0.66349381	-0.00049381
		+ 10	0.66336932	-0.00036932
		+ 20 (Ref)	0.66309283	-0.00009283
		+ 30	0.66344752	-0.00044752
		+ 40	0.66358675	-0.00058675
Battery Endpoint	3.40	+ 20	0.66371059	-0.00071059

Table 7-113. LTE Band 71 Lower Boundary Frequency Stability Data

LTE Band 71				
		Operating Band Upper Boundary (GHz)	0.698	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69788085	-0.00011915
		- 20	0.69781552	-0.00018448
		- 10	0.69711235	-0.00088765
		0	0.69710486	-0.00089514
		+ 10	0.69784276	-0.00015724
		+ 20 (Ref)	0.69724897	-0.00075103
		+ 30	0.69767123	-0.00032877
		+ 40	0.69752682	-0.00047318
Battery Endpoint	3.40	+ 20	0.69798587	-0.00001413

Table 7-114. LTE Band 71 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

LTE Band 12/17				
Operating Band Lower Boundary (GHz)			0.699	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69970832	-0.00170832
		- 20	0.69904046	-0.00104046
		- 10	0.69961063	-0.00161063
		0	0.69915637	-0.00115637
		+ 10	0.69971855	-0.00171855
		+ 20 (Ref)	0.69928682	-0.00128682
		+ 30	0.69938558	-0.00138558
		+ 40	0.69910414	-0.00110414
		+ 50	0.69944536	-0.00144536
Battery Endpoint	3.40	+ 20	0.69970808	-0.00170808

Table 7-115. LTE Band 12/17 Lower Boundary Frequency Stability Data

LTE Band 12/17				
Operating Band Upper Boundary (GHz)			0.716	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.71590156	-0.00009844
		- 20	0.71589986	-0.00010014
		- 10	0.71587840	-0.00012160
		0	0.71581953	-0.00018047
		+ 10	0.71542412	-0.00057588
		+ 20 (Ref)	0.71528363	-0.00071637
		+ 30	0.71505074	-0.00094926
		+ 40	0.71523683	-0.00076317
		+ 50	0.71524340	-0.00075660
Battery Endpoint	3.40	+ 20	0.71599842	-0.00000158

Table 7-116. LTE Band 12/17 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

LTE Band 13				
		Operating Band Lower Boundary (GHz)	0.777	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.77767000	-0.00067000
		- 20	0.77783853	-0.00083853
		- 10	0.77765795	-0.00065795
		0	0.77763066	-0.00063066
		+ 10	0.77783207	-0.00083207
		+ 20 (Ref)	0.77787792	-0.00087792
		+ 30	0.77700812	-0.00000812
		+ 40	0.77717266	-0.00017266
		+ 50	0.77760044	-0.00060044
Battery Endpoint	3.40	+ 20	0.77741207	-0.00041207

Table 7-117. LTE Band 13 Lower Boundary Frequency Stability Data

LTE Band 13				
		Operating Band Upper Boundary (GHz)	0.787	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.78692103	-0.00007897
		- 20	0.78614034	-0.00085966
		- 10	0.78605914	-0.00094086
		0	0.78665824	-0.00034176
		+ 10	0.78689370	-0.00010630
		+ 20 (Ref)	0.78605805	-0.00094195
		+ 30	0.78677156	-0.00022844
		+ 40	0.78636769	-0.00063231
		+ 50	0.78679901	-0.00020099
Battery Endpoint	3.40	+ 20	0.78642417	-0.00057583

Table 7-118. LTE Band 13 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n66				
		Operating Band Lower Boundary (GHz)	1.710	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71040261	-0.00040261
		- 20	1.71014633	-0.00014633
		- 10	1.71022376	-0.00022376
		0	1.71045164	-0.00045164
		+ 10	1.71003412	-0.00003412
		+ 20 (Ref)	1.71077273	-0.00077273
		+ 30	1.71070120	-0.00070120
		+ 40	1.71015937	-0.00015937
+ 50	1.71084992	-0.00084992		
Battery Endpoint	3.40	+ 20	1.71039892	-0.00039892

Table 7-119. NR Band n66 Lower Boundary Frequency Stability Data

NR Band n66				
		Operating Band Upper Boundary (GHz)	1.780	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.77999973	-0.00000027
		- 20	1.77994504	-0.00005496
		- 10	1.77904583	-0.00095417
		0	1.77957350	-0.00042650
		+ 10	1.77974543	-0.00025457
		+ 20 (Ref)	1.77907169	-0.00092831
		+ 30	1.77940277	-0.00059723
		+ 40	1.77900176	-0.00099824
+ 50	1.77965842	-0.00034158		
Battery Endpoint	3.40	+ 20	1.77983503	-0.00016497

Table 7-120. NR Band n66 Upper Boundary Frequency Stability Data

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NR Band n70				
Operating Band Lower Boundary (GHz)			1.695	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.69590886	-0.00090886
		- 20	1.69555266	-0.00055266
		- 10	1.69564277	-0.00064277
		0	1.69590607	-0.00090607
		+ 10	1.69520047	-0.00020047
		+ 20 (Ref)	1.69539622	-0.00039622
		+ 30	1.69531011	-0.00031011
		+ 40	1.69518489	-0.00018489
		+ 50	1.69577088	-0.00077088
Battery Endpoint	3.40	+ 20	1.69500840	-0.00000840

Table 7-121. NR Band n70 Lower Boundary Frequency Stability Data

NR Band n70				
Operating Band Upper Boundary (GHz)			1.710	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.70932739	-0.00067261
		- 20	1.70917423	-0.00082577
		- 10	1.70963009	-0.00036991
		0	1.70907744	-0.00092256
		+ 10	1.70979512	-0.00020488
		+ 20 (Ref)	1.70995984	-0.00004016
		+ 30	1.70974987	-0.00025013
		+ 40	1.70997460	-0.00002540
		+ 50	1.70948507	-0.00051493
Battery Endpoint	3.40	+ 20	1.70991319	-0.00008681

Table 7-122. NR Band n70 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n71				
		Operating Band Lower Boundary (GHz)	0.663	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.66311202	-0.00011202
		- 20	0.66389224	-0.00089224
		- 10	0.66355836	-0.00055836
		0	0.66331860	-0.00031860
		+ 10	0.66337715	-0.00037715
		+ 20 (Ref)	0.66313542	-0.00013542
		+ 30	0.66384784	-0.00084784
		+ 40	0.66357334	-0.00057334
Battery Endpoint	3.40	+ 20	0.66310338	-0.00010338

Table 7-123. NR Band n71 Lower Boundary Frequency Stability Data

NR Band n71				
		Operating Band Upper Boundary (GHz)	0.698	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69727820	-0.00072180
		- 20	0.69708255	-0.00091745
		- 10	0.69734206	-0.00065794
		0	0.69731852	-0.00068148
		+ 10	0.69780387	-0.00019613
		+ 20 (Ref)	0.69723199	-0.00076801
		+ 30	0.69757975	-0.00042025
		+ 40	0.69703660	-0.00096340
Battery Endpoint	3.40	+ 20	0.69748685	-0.00051315

Table 7-124. NR Band n71 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n12				
Operating Band Lower Boundary (GHz)		0.699		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69917435	-0.00017435
		- 20	0.69918004	-0.00018004
		- 10	0.69964926	-0.00064926
		0	0.69904917	-0.00004917
		+ 10	0.69964569	-0.00064569
		+ 20 (Ref)	0.69935216	-0.00035216
		+ 30	0.69916098	-0.00016098
		+ 40	0.69987699	-0.00087699
		+ 50	0.69998868	-0.00098868
Battery Endpoint	3.40	+ 20	0.69923077	-0.00023077

Table 7-125. NR Band n12 Lower Boundary Frequency Stability Data

NR Band n12				
Operating Band Upper Boundary (GHz)		0.716		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.71503941	-0.00096059
		- 20	0.71566991	-0.00033009
		- 10	0.71550498	-0.00049502
		0	0.71531692	-0.00068308
		+ 10	0.71586578	-0.00013422
		+ 20 (Ref)	0.71580974	-0.00019026
		+ 30	0.71540455	-0.00059545
		+ 40	0.71527579	-0.00072421
		+ 50	0.71539117	-0.00060883
Battery Endpoint	3.40	+ 20	0.71579206	-0.00020794

Table 7-126. NR Band n12 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

WCDMA AWS				
		Operating Band Lower Boundary (GHz)	1.710	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71074524	-0.00074524
		- 20	1.71034986	-0.00034986
		- 10	1.71069466	-0.00069466
		0	1.71041303	-0.00041303
		+ 10	1.71058963	-0.00058963
		+ 20 (Ref)	1.71067063	-0.00067063
		+ 30	1.71099144	-0.00099144
		+ 40	1.71087441	-0.00087441
+ 50	1.71053683	-0.00053683		
Battery Endpoint	3.40	+ 20	1.71035418	-0.00035418

Table 7-127. WCDMA AWS Lower Boundary Frequency Stability Data


WCDMA AWS				
		Operating Band Upper Boundary (GHz)	1.755	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.75439022	-0.00060978
		- 20	1.75420973	-0.00079027
		- 10	1.75474793	-0.00025207
		0	1.75431236	-0.00068764
		+ 10	1.75463120	-0.00036880
		+ 20 (Ref)	1.75405501	-0.00094499
		+ 30	1.75495046	-0.00004954
		+ 40	1.75457032	-0.00042968
+ 50	1.75449999	-0.00050001		
Battery Endpoint	3.40	+ 20	1.75483349	-0.00016651

Table 7-128. WCDMA AWS Upper Boundary Frequency Stability Data

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3267** complies with all the requirements of Part 27 of the FCC rules.

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