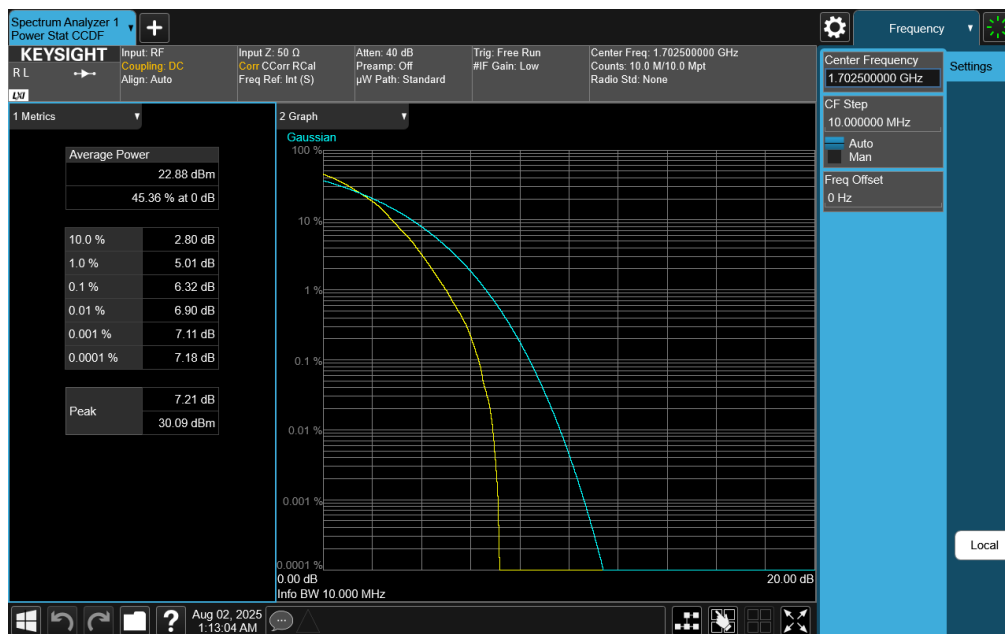
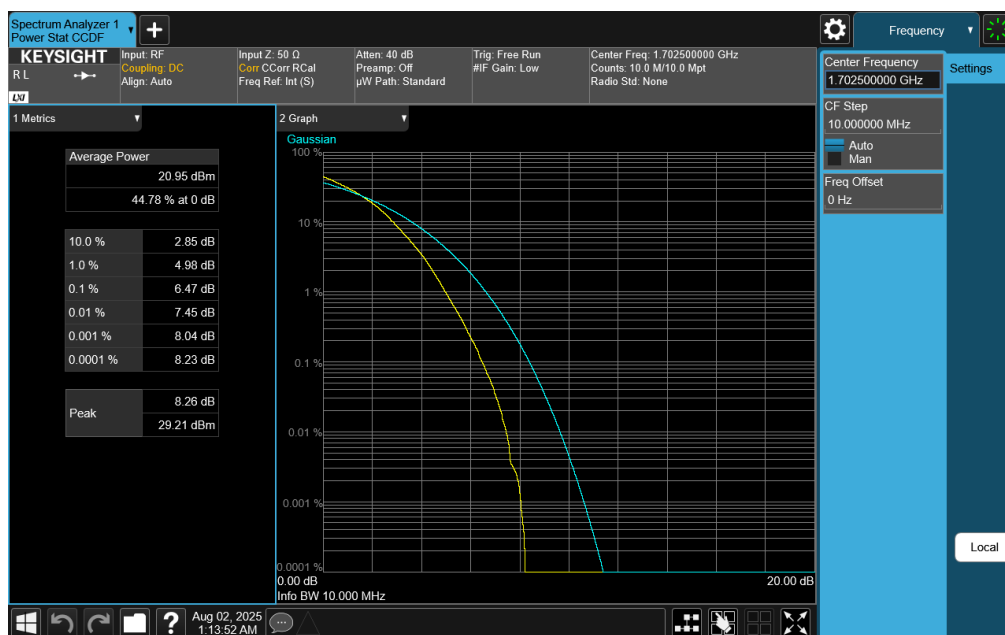




Plot 7-484. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)

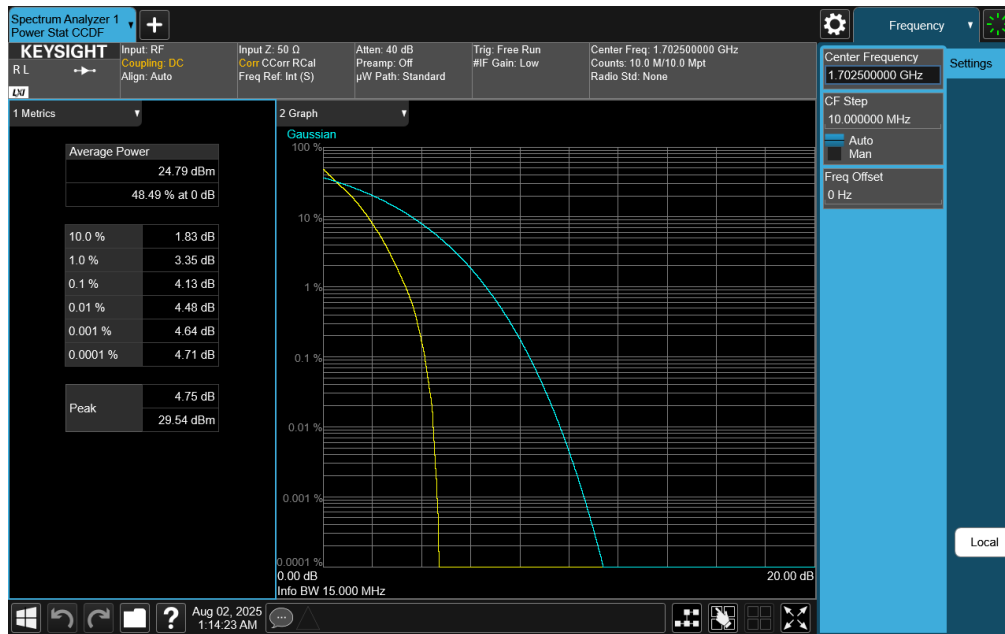


Plot 7-485. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

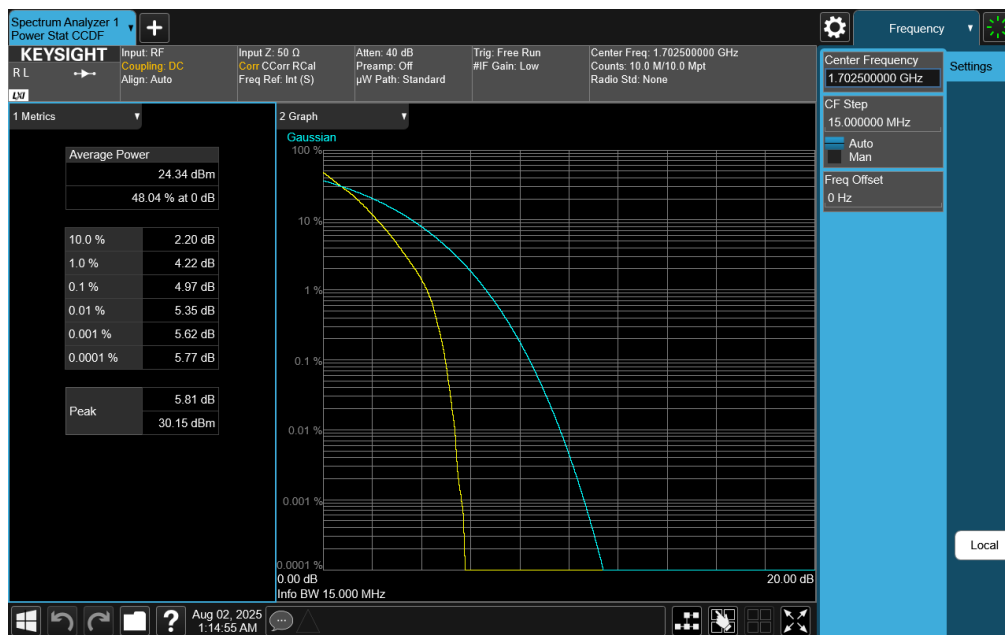
FCC ID: BCGA3462	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-486. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

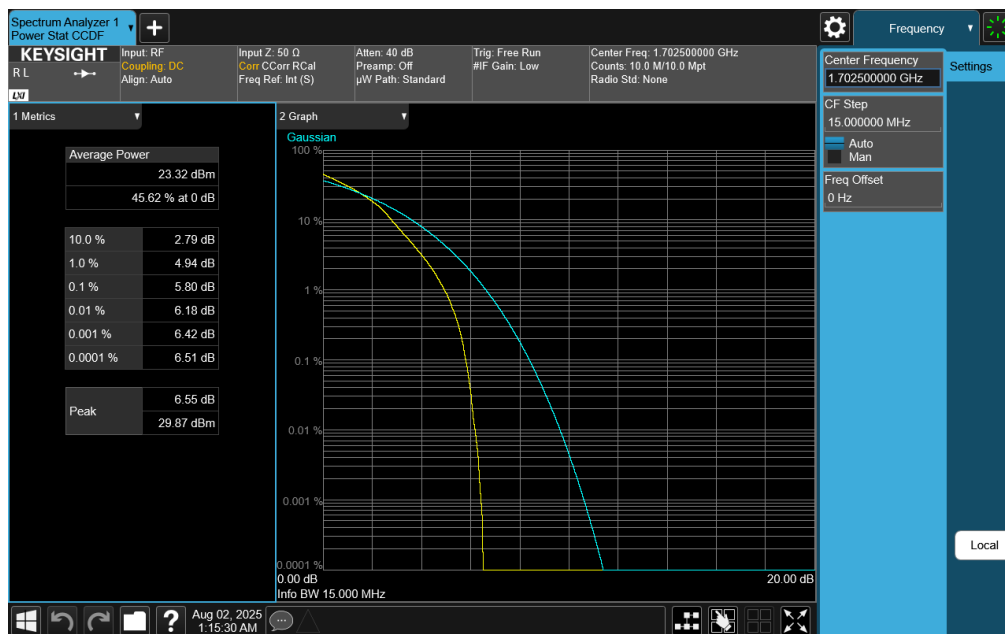


Plot 7-487. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

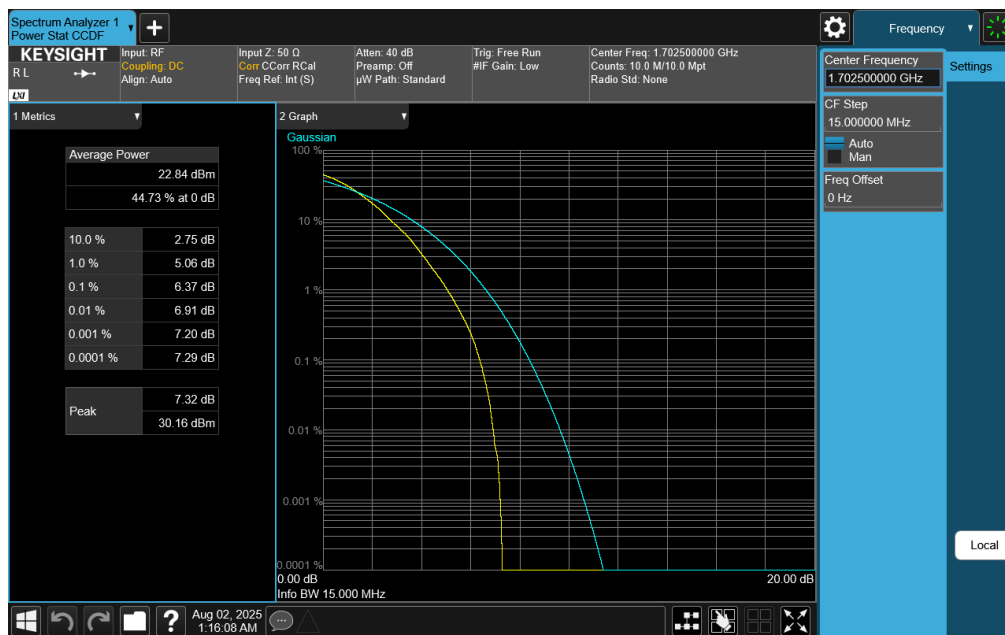
FCC ID: BCGA3462	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-488. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)

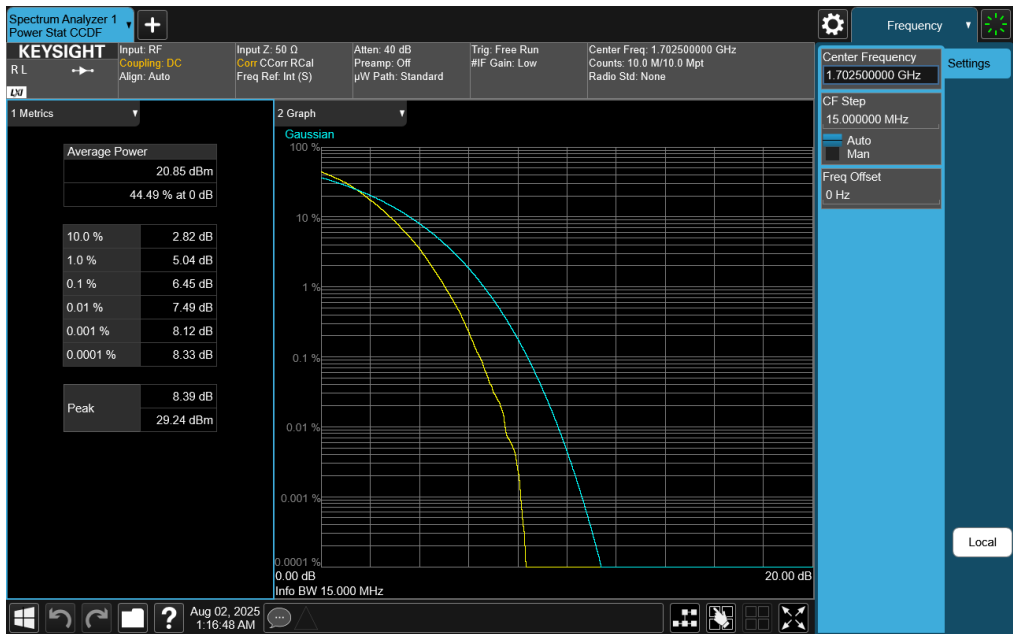


Plot 7-489. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA3462	element PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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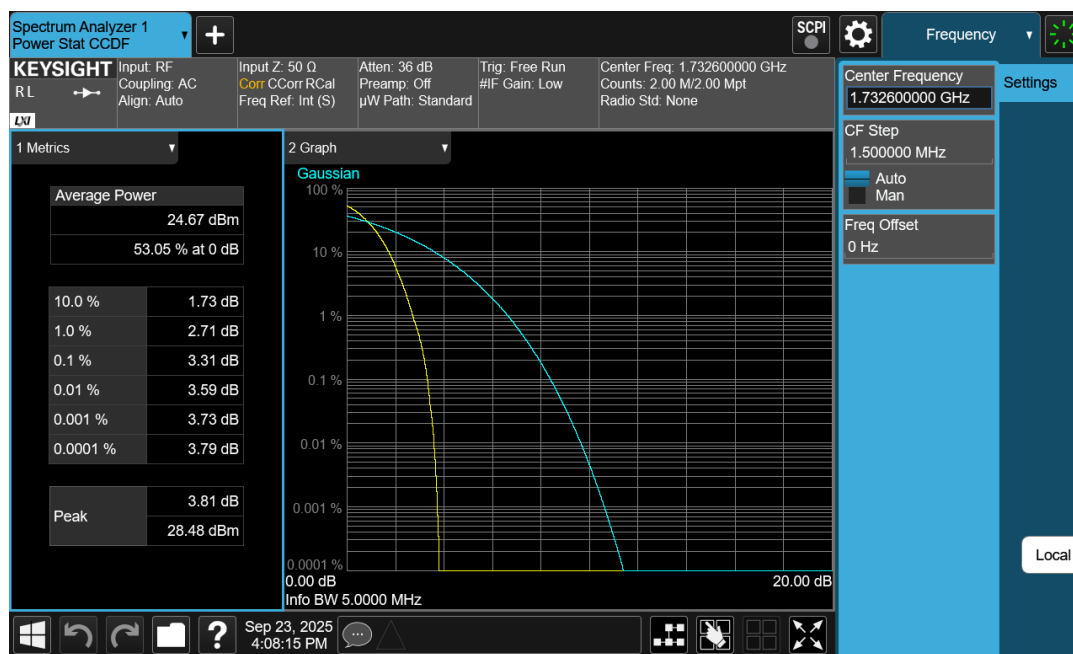
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Plot 7-490. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3462	element PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-491. PAR Plot (WCDMA, Ch. 1413)

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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.

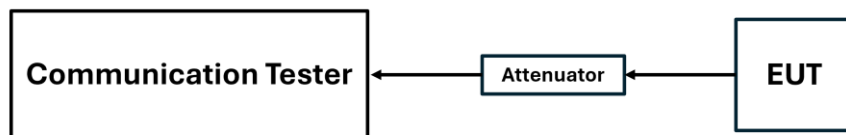


Figure 7-9. LTE ERP/EIRP Measurement Setup

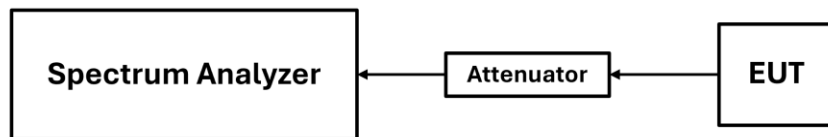


Figure 7-10. FR1 ERP/EIRP Measurement Setup

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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 – ERP/EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	0.80	1 / 3	25.23	26.03	0.401	30.00	-3.97
		1745.0	0.80	1 / 3	25.13	25.93	0.392	30.00	-4.07
		1779.3	0.80	1 / 3	25.16	25.96	0.394	30.00	-4.04
	16-QAM	1745.0	0.80	1 / 3	24.44	25.24	0.334	30.00	-4.76
	64-QAM	1779.3	0.80	1 / 3	23.46	24.26	0.267	30.00	-5.74
	256-QAM	1779.3	0.80	6 / 0	20.67	21.47	0.140	30.00	-8.53
3 MHz	QPSK	1711.5	0.80	1 / 7	25.06	25.86	0.385	30.00	-4.14
		1745.0	0.80	1 / 7	25.18	25.98	0.396	30.00	-4.02
		1778.5	0.80	1 / 7	25.16	25.96	0.394	30.00	-4.04
	16-QAM	1745.0	0.80	1 / 7	24.64	25.44	0.350	30.00	-4.56
	64-QAM	1778.5	0.80	1 / 7	23.41	24.21	0.264	30.00	-5.79
	256-QAM	1745.0	0.80	15 / 0	20.73	21.53	0.142	30.00	-8.47
5 MHz	QPSK	1712.5	0.80	1 / 12	25.20	26.00	0.398	30.00	-4.00
		1745.0	0.80	1 / 24	25.37	26.17	0.414	30.00	-3.83
		1777.5	0.80	1 / 0	25.21	26.01	0.399	30.00	-3.99
	16-QAM	1745.0	0.80	1 / 24	24.62	25.42	0.348	30.00	-4.58
	64-QAM	1777.5	0.80	1 / 0	23.60	24.40	0.275	30.00	-5.60
	256-QAM	1745.0	0.80	25 / 0	20.71	21.51	0.142	30.00	-8.49
10 MHz	QPSK	1715.0	0.80	1 / 25	25.15	25.95	0.394	30.00	-4.05
		1745.0	0.80	1 / 0	25.20	26.00	0.398	30.00	-4.00
		1775.0	0.80	1 / 0	25.18	25.98	0.396	30.00	-4.02
	16-QAM	1745.0	0.80	1 / 0	24.66	25.46	0.352	30.00	-4.54
	64-QAM	1715.0	0.80	1 / 49	23.51	24.31	0.270	30.00	-5.69
	256-QAM	1775.0	0.80	50 / 0	20.74	21.54	0.143	30.00	-8.46
15 MHz	QPSK	1717.5	0.80	1 / 37	25.20	26.00	0.398	30.00	-4.00
		1745.0	0.80	1 / 37	25.15	25.95	0.394	30.00	-4.05
		1772.5	0.80	1 / 37	25.13	25.93	0.392	30.00	-4.07
	16-QAM	1745.0	0.80	1 / 37	24.53	25.33	0.341	30.00	-4.67
	64-QAM	1717.5	0.80	1 / 0	23.47	24.27	0.267	30.00	-5.73
	256-QAM	1772.5	0.80	75 / 0	20.65	21.45	0.140	30.00	-8.55
20 MHz	QPSK	1720.0	0.80	1 / 50	25.03	25.83	0.383	30.00	-4.17
		1745.0	0.80	1 / 50	25.22	26.02	0.400	30.00	-3.98
		1770.0	0.80	1 / 50	25.22	26.02	0.400	30.00	-3.98
	16-QAM	1770.0	0.80	1 / 50	24.55	25.35	0.343	30.00	-4.65
	64-QAM	1745.0	0.80	1 / 50	23.51	24.31	0.270	30.00	-5.69
	256-QAM	1770.0	0.80	100 / 0	20.63	21.43	0.139	30.00	-8.57

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

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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	0.80	1 / 3	25.16	25.96	0.394	30.00	-4.04
		1732.5	0.80	1 / 3	25.41	26.21	0.418	30.00	-3.79
		1754.3	0.80	1 / 3	25.34	26.14	0.411	30.00	-3.86
	16-QAM	1732.5	0.80	1 / 3	24.60	25.40	0.347	30.00	-4.60
	64-QAM	1732.5	0.80	1 / 3	23.52	24.32	0.270	30.00	-5.68
	256-QAM	1732.5	0.80	6 / 0	20.67	21.47	0.140	30.00	-8.53
3 MHz	QPSK	1711.5	0.80	1 / 7	25.12	25.92	0.391	30.00	-4.08
		1732.5	0.80	1 / 7	25.31	26.11	0.408	30.00	-3.89
		1753.5	0.80	1 / 7	25.17	25.97	0.395	30.00	-4.03
	16-QAM	1732.5	0.80	1 / 7	24.68	25.48	0.353	30.00	-4.52
	64-QAM	1711.5	0.80	1 / 7	23.47	24.27	0.267	30.00	-5.73
	256-QAM	1732.5	0.80	15 / 0	20.67	21.47	0.140	30.00	-8.53
5 MHz	QPSK	1712.5	0.80	1 / 24	25.35	26.15	0.412	30.00	-3.85
		1732.5	0.80	1 / 24	25.52	26.32	0.429	30.00	-3.68
		1752.5	0.80	1 / 24	25.23	26.03	0.401	30.00	-3.97
	16-QAM	1732.5	0.80	1 / 12	24.70	25.50	0.355	30.00	-4.50
	64-QAM	1732.5	0.80	1 / 24	23.72	24.52	0.283	30.00	-5.48
	256-QAM	1732.5	0.80	25 / 0	20.83	21.63	0.146	30.00	-8.37
10 MHz	QPSK	1715.0	0.80	1 / 25	25.24	26.04	0.402	30.00	-3.96
		1732.5	0.80	1 / 49	25.36	26.16	0.413	30.00	-3.84
		1750.0	0.80	1 / 25	25.24	26.04	0.402	30.00	-3.96
	16-QAM	1715.0	0.80	1 / 25	24.59	25.39	0.346	30.00	-4.61
	64-QAM	1750.0	0.80	1 / 0	23.71	24.51	0.282	30.00	-5.49
	256-QAM	1732.5	0.80	50 / 0	20.83	21.63	0.146	30.00	-8.37
15 MHz	QPSK	1717.5	0.80	1 / 37	25.32	26.12	0.409	30.00	-3.88
		1732.5	0.80	1 / 37	25.28	26.08	0.406	30.00	-3.92
		1747.5	0.80	1 / 37	25.17	25.97	0.395	30.00	-4.03
	16-QAM	1717.5	0.80	1 / 37	24.54	25.34	0.342	30.00	-4.66
	64-QAM	1717.5	0.80	1 / 37	23.60	24.40	0.275	30.00	-5.60
	256-QAM	1732.5	0.80	75 / 0	20.73	21.53	0.142	30.00	-8.47
20 MHz	QPSK	1720.0	0.80	1 / 50	25.21	26.01	0.399	30.00	-3.99
		1732.5	0.80	1 / 50	25.08	25.88	0.387	30.00	-4.12
		1745.0	0.80	1 / 50	25.31	26.11	0.408	30.00	-3.89
	16-QAM	1745.0	0.80	1 / 50	24.51	25.31	0.340	30.00	-4.69
	64-QAM	1745.0	0.80	1 / 50	23.48	24.28	0.268	30.00	-5.72
	256-QAM	1745.0	0.80	100 / 0	20.75	21.55	0.143	30.00	-8.45

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-1.30	1 / 24	25.12	21.67	0.147	34.77	-13.10
		680.5	-1.30	1 / 24	25.46	22.01	0.159	34.77	-12.76
		695.5	-1.30	1 / 12	25.14	21.69	0.148	34.77	-13.08
	16-QAM	680.5	-1.30	1 / 24	24.61	21.16	0.131	34.77	-13.61
	64-QAM	695.5	-1.30	1 / 24	23.63	20.18	0.104	34.77	-14.59
	256-QAM	695.5	-1.30	25 / 0	20.66	17.21	0.053	34.77	-17.56
10 MHz	QPSK	668.0	-1.30	1 / 25	25.08	21.63	0.146	34.77	-13.14
		680.5	-1.30	1 / 25	25.17	21.72	0.149	34.77	-13.05
		693.0	-1.30	1 / 49	25.16	21.71	0.148	34.77	-13.06
	16-QAM	693.0	-1.30	1 / 25	24.48	21.03	0.127	34.77	-13.74
	64-QAM	680.5	-1.30	1 / 25	23.39	19.94	0.099	34.77	-14.83
	256-QAM	693.0	-1.30	50 / 0	20.68	17.23	0.053	34.77	-17.54
15 MHz	QPSK	670.5	-1.30	1 / 74	25.13	21.68	0.147	34.77	-13.09
		680.5	-1.30	1 / 37	25.09	21.64	0.146	34.77	-13.13
		690.5	-1.30	1 / 37	25.15	21.70	0.148	34.77	-13.07
	16-QAM	690.5	-1.30	1 / 37	24.54	21.09	0.129	34.77	-13.68
	64-QAM	670.5	-1.30	1 / 74	23.44	19.99	0.100	34.77	-14.78
	256-QAM	690.5	-1.30	75 / 0	20.64	17.19	0.052	34.77	-17.58
20 MHz	QPSK	673.0	-1.30	1 / 50	25.01	21.56	0.143	34.77	-13.21
		680.5	-1.30	1 / 50	25.21	21.76	0.150	34.77	-13.01
		688.0	-1.30	1 / 50	25.17	21.72	0.149	34.77	-13.05
	16-QAM	680.5	-1.30	1 / 50	24.49	21.04	0.127	34.77	-13.73
	64-QAM	680.5	-1.30	1 / 50	23.30	19.85	0.097	34.77	-14.92
	256-QAM	688.0	-1.30	100 / 0	20.65	17.20	0.052	34.77	-17.57

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-1.70	1 / 3	25.15	21.30	0.135	34.77	-13.47
		707.5	-1.70	1 / 3	25.07	21.22	0.132	34.77	-13.55
		715.3	-1.70	1 / 3	25.12	21.27	0.134	34.77	-13.50
	16-QAM	707.5	-1.70	1 / 3	24.39	20.54	0.113	34.77	-14.23
	64-QAM	715.3	-1.70	1 / 3	23.37	19.52	0.090	34.77	-15.25
	256-QAM	715.3	-1.70	6 / 0	20.70	16.85	0.048	34.77	-17.92
3 MHz	QPSK	700.5	-1.70	1 / 7	24.99	21.14	0.130	34.77	-13.63
		707.5	-1.70	1 / 7	25.03	21.18	0.131	34.77	-13.59
		714.5	-1.70	1 / 7	25.21	21.36	0.137	34.77	-13.41
	16-QAM	714.5	-1.70	1 / 7	24.38	20.53	0.113	34.77	-14.24
	64-QAM	714.5	-1.70	1 / 7	23.46	19.61	0.091	34.77	-15.16
	256-QAM	700.5	-1.70	15 / 0	20.54	16.69	0.047	34.77	-18.08
5 MHz	QPSK	701.5	-1.70	1 / 24	25.21	21.36	0.137	34.77	-13.41
		707.5	-1.70	1 / 0	25.25	21.40	0.138	34.77	-13.37
		713.5	-1.70	1 / 24	25.10	21.25	0.133	34.77	-13.52
	16-QAM	707.5	-1.70	1 / 0	24.35	20.50	0.112	34.77	-14.27
	64-QAM	701.5	-1.70	1 / 24	23.46	19.61	0.091	34.77	-15.16
	256-QAM	701.5	-1.70	25 / 0	20.52	16.67	0.046	34.77	-18.10
10 MHz	QPSK	704.0	-1.70	1 / 25	25.09	21.24	0.133	34.77	-13.53
		707.5	-1.70	1 / 49	25.08	21.23	0.133	34.77	-13.54
		711.0	-1.70	1 / 49	25.15	21.30	0.135	34.77	-13.47
	16-QAM	711.0	-1.70	1 / 25	24.34	20.49	0.112	34.77	-14.28
	64-QAM	707.5	-1.70	1 / 25	23.39	19.54	0.090	34.77	-15.23
	256-QAM	711.0	-1.70	50 / 0	20.68	16.83	0.048	34.77	-17.94

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

FCC ID: BCGA3462	 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	-1.70	1 / 0	25.09	21.24	0.133	34.77	-13.53
		710.0	-1.70	1 / 24	25.30	21.45	0.140	34.77	-13.32
		713.5	-1.70	1 / 24	25.08	21.23	0.133	34.77	-13.54
	16-QAM	710.0	-1.70	1 / 24	24.54	20.69	0.117	34.77	-14.08
	64-QAM	713.5	-1.70	1 / 12	23.44	19.59	0.091	34.77	-15.18
	256-QAM	713.5	-1.70	25 / 0	20.56	16.71	0.047	34.77	-18.06
10 MHz	QPSK	709.0	-1.70	1 / 25	25.13	21.28	0.134	34.77	-13.49
		710.0	-1.70	1 / 49	25.16	21.31	0.135	34.77	-13.46
		711.0	-1.70	1 / 25	25.16	21.31	0.135	34.77	-13.46
	16-QAM	710.0	-1.70	1 / 25	24.56	20.71	0.118	34.77	-14.06
	64-QAM	711.0	-1.70	1 / 49	23.39	19.54	0.090	34.77	-15.23
	256-QAM	711.0	-1.70	50 / 0	20.69	16.84	0.048	34.77	-17.93

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-2.00	1 / 24	25.18	21.03	0.127	34.77	-13.74
		782.0	-2.00	1 / 0	25.20	21.05	0.127	34.77	-13.72
		784.5	-2.00	1 / 24	25.16	21.01	0.126	34.77	-13.76
	16-QAM	784.5	-2.00	1 / 24	24.52	20.37	0.109	34.77	-14.40
	64-QAM	784.5	-2.00	1 / 24	23.43	19.28	0.085	34.77	-15.49
	256-QAM	784.5	-2.00	25 / 0	20.52	16.37	0.043	34.77	-18.40
10 MHz	QPSK	782.0	-2.00	1 / 49	25.07	20.92	0.124	34.77	-13.85
	16-QAM	782.0	-2.00	1 / 49	24.37	20.22	0.105	34.77	-14.55
	64-QAM	782.0	-2.00	1 / 49	23.41	19.26	0.084	34.77	-15.51
	256-QAM	782.0	-2.00	50 / 0	20.59	16.44	0.044	34.77	-18.33

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	0.80	25 / 0	25.04	25.84	0.384	30.00	-4.16
		1745.0	0.80	1 / 12	25.16	25.96	0.394	30.00	-4.04
		1777.5	0.80	1 / 12	25.06	25.86	0.385	30.00	-4.14
	QPSK	1712.5	0.80	1 / 1	25.06	25.86	0.385	30.00	-4.14
		1745.0	0.80	1 / 24	25.31	26.11	0.408	30.00	-3.89
		1777.5	0.80	1 / 24	25.01	25.81	0.381	30.00	-4.19
	16-QAM	1777.5	0.80	1 / 1	23.92	24.72	0.296	30.00	-5.28
	64-QAM	1745.0	0.80	25 / 0	23.23	24.03	0.253	30.00	-5.97
256-QAM	1745.0	0.80	25 / 0	21.16	21.96	0.157	30.00	-8.04	
10 MHz	π/2 BPSK	1715.0	0.80	50 / 0	25.11	25.91	0.390	30.00	-4.09
		1745.0	0.80	50 / 0	25.15	25.95	0.394	30.00	-4.05
		1775.0	0.80	50 / 0	25.08	25.88	0.387	30.00	-4.12
	QPSK	1715.0	0.80	1 / 50	25.11	25.91	0.390	30.00	-4.09
		1745.0	0.80	1 / 1	25.13	25.93	0.392	30.00	-4.07
		1775.0	0.80	1 / 1	25.00	25.80	0.380	30.00	-4.20
	16-QAM	1745.0	0.80	1 / 1	23.94	24.74	0.298	30.00	-5.26
	64-QAM	1745.0	0.80	50 / 0	23.08	23.88	0.244	30.00	-6.12
256-QAM	1745.0	0.80	50 / 0	21.17	21.97	0.157	30.00	-8.03	
15 MHz	π/2 BPSK	1717.5	0.80	75 / 0	24.97	25.77	0.378	30.00	-4.23
		1745.0	0.80	1 / 77	25.10	25.90	0.389	30.00	-4.10
		1772.5	0.80	75 / 0	24.99	25.79	0.379	30.00	-4.21
	QPSK	1717.5	0.80	1 / 77	25.09	25.89	0.388	30.00	-4.11
		1745.0	0.80	1 / 1	25.15	25.95	0.394	30.00	-4.05
		1772.5	0.80	1 / 1	25.05	25.85	0.385	30.00	-4.15
	16-QAM	1745.0	0.80	1 / 1	23.95	24.75	0.299	30.00	-5.25
	64-QAM	1745.0	0.80	75 / 0	23.14	23.94	0.248	30.00	-6.06
256-QAM	1745.0	0.80	75 / 0	21.10	21.90	0.155	30.00	-8.10	
20 MHz	π/2 BPSK	1720.0	0.80	100 / 0	25.06	25.86	0.385	30.00	-4.14
		1745.0	0.80	1 / 1	25.10	25.90	0.389	30.00	-4.10
		1770.0	0.80	100 / 0	25.07	25.87	0.386	30.00	-4.13
	QPSK	1720.0	0.80	1 / 104	25.10	25.90	0.389	30.00	-4.10
		1745.0	0.80	1 / 1	25.31	26.11	0.408	30.00	-3.89
		1770.0	0.80	1 / 1	25.11	25.91	0.390	30.00	-4.09
	16-QAM	1745.0	0.80	1 / 1	23.95	24.75	0.299	30.00	-5.25
	64-QAM	1720.0	0.80	100 / 0	23.11	23.91	0.246	30.00	-6.09
256-QAM	1745.0	0.80	100 / 0	21.10	21.90	0.155	30.00	-8.10	
25 MHz	π/2 BPSK	1722.5	0.80	128 / 0	25.03	25.83	0.383	30.00	-4.17
		1745.0	0.80	128 / 0	25.09	25.89	0.388	30.00	-4.11
		1767.5	0.80	128 / 0	25.06	25.86	0.385	30.00	-4.14
	QPSK	1722.5	0.80	1 / 131	25.06	25.86	0.385	30.00	-4.14
		1745.0	0.80	1 / 64	24.96	25.76	0.377	30.00	-4.24
		1767.5	0.80	1 / 131	24.98	25.78	0.378	30.00	-4.22
	16-QAM	1722.5	0.80	1 / 131	23.92	24.72	0.296	30.00	-5.28
	64-QAM	1745.0	0.80	128 / 0	23.17	23.97	0.249	30.00	-6.03
256-QAM	1745.0	0.80	128 / 0	21.15	21.95	0.157	30.00	-8.05	
30 MHz	π/2 BPSK	1725.0	0.80	1 / 158	25.15	25.95	0.394	30.00	-4.05
		1745.0	0.80	160 / 0	25.06	25.86	0.385	30.00	-4.14
		1765.0	0.80	1 / 1	25.04	25.84	0.384	30.00	-4.16
	QPSK	1725.0	0.80	1 / 158	25.16	25.96	0.394	30.00	-4.04
		1745.0	0.80	1 / 158	25.10	25.90	0.389	30.00	-4.10
		1765.0	0.80	1 / 80	25.01	25.81	0.381	30.00	-4.19
	16-QAM	1745.0	0.80	1 / 158	24.00	24.80	0.302	30.00	-5.20
	64-QAM	1725.0	0.80	160 / 0	23.13	23.93	0.247	30.00	-6.07
256-QAM	1725.0	0.80	160 / 0	21.09	21.89	0.155	30.00	-8.11	
35 MHz	π/2 BPSK	1727.5	0.80	1 / 90	25.16	25.96	0.394	30.00	-4.04
		1745.0	0.80	1 / 90	25.10	25.90	0.389	30.00	-4.10
		1762.5	0.80	180 / 0	25.03	25.83	0.383	30.00	-4.17
	QPSK	1725.0	0.80	1 / 1	24.93	25.73	0.374	30.00	-4.27
		1745.0	0.80	1 / 1	25.06	25.86	0.385	30.00	-4.14
		1765.0	0.80	1 / 1	24.92	25.72	0.373	30.00	-4.28
	16-QAM	1745.0	0.80	1 / 1	23.82	24.62	0.290	30.00	-5.38
	64-QAM	1725.0	0.80	180 / 0	23.10	23.90	0.245	30.00	-6.10
256-QAM	1725.0	0.80	180 / 0	21.13	21.93	0.156	30.00	-8.07	
40 MHz	π/2 BPSK	1730.0	0.80	216 / 0	25.09	25.89	0.388	30.00	-4.11
		1745.0	0.80	216 / 0	25.11	25.91	0.390	30.00	-4.09
		1760.0	0.80	216 / 0	25.12	25.92	0.391	30.00	-4.08
	QPSK	1730.0	0.80	1 / 1	25.24	26.04	0.402	30.00	-3.96
		1745.0	0.80	1 / 108	25.24	26.04	0.402	30.00	-3.96
		1760.0	0.80	1 / 108	25.09	25.89	0.388	30.00	-4.11
	16-QAM	1730.0	0.80	1 / 1	23.98	24.78	0.301	30.00	-5.22
	64-QAM	1760.0	0.80	216 / 0	23.13	23.93	0.247	30.00	-6.07
256-QAM	1760.0	0.80	216 / 0	21.20	22.00	0.158	30.00	-8.00	
45 MHz	π/2 BPSK	1732.5	0.80	240 / 0	25.12	25.92	0.391	30.00	-4.08
		1745.0	0.80	240 / 0	25.10	25.90	0.389	30.00	-4.10
		1757.5	0.80	1 / 1	25.25	26.05	0.403	30.00	-3.95
	QPSK	1732.5	0.80	1 / 120	25.06	25.86	0.385	30.00	-4.14
		1745.0	0.80	1 / 240	25.13	25.93	0.392	30.00	-4.07
		1757.5	0.80	1 / 120	25.07	25.87	0.386	30.00	-4.13
	16-QAM	1757.5	0.80	1 / 1	23.98	24.78	0.301	30.00	-5.22
	64-QAM	1757.5	0.80	240 / 0	23.14	23.94	0.248	30.00	-6.06
256-QAM	1745.0	0.80	240 / 0	21.16	21.96	0.157	30.00	-8.04	

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 286 of 360

NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1697.5	-1.00	25 / 0	24.79	23.79	0.239	30.00	-6.21
		1702.5	-1.00	25 / 0	24.78	23.78	0.239	30.00	-6.22
		1707.5	-1.00	25 / 0	24.79	23.79	0.239	30.00	-6.21
	QPSK	1697.5	-1.00	1 / 24	24.81	23.81	0.240	30.00	-6.19
		1702.5	-1.00	1 / 1	24.74	23.74	0.237	30.00	-6.26
		1707.5	-1.00	1 / 12	24.75	23.75	0.237	30.00	-6.25
	16-QAM	1697.5	-1.00	1 / 24	23.64	22.64	0.184	30.00	-7.36
	64-QAM	1697.5	-1.00	25 / 0	22.82	21.82	0.152	30.00	-8.18
	256-QAM	1697.5	-1.00	25 / 0	20.87	19.87	0.097	30.00	-10.13
10 MHz	$\pi/2$ BPSK	1700.0	-1.00	50 / 0	24.86	23.86	0.243	30.00	-6.14
		1702.5	-1.00	50 / 0	24.83	23.83	0.242	30.00	-6.17
		1705.0	-1.00	50 / 0	24.88	23.88	0.244	30.00	-6.12
	QPSK	1700.0	-1.00	1 / 25	24.77	23.77	0.238	30.00	-6.23
		1702.5	-1.00	1 / 1	24.80	23.80	0.240	30.00	-6.20
		1705.0	-1.00	1 / 25	24.82	23.82	0.241	30.00	-6.18
	16-QAM	1705.0	-1.00	1 / 50	23.68	22.68	0.185	30.00	-7.32
	64-QAM	1700.0	-1.00	50 / 0	22.85	21.85	0.153	30.00	-8.15
15 MHz	256-QAM	1700.0	-1.00	50 / 0	20.96	19.96	0.099	30.00	-10.04
	$\pi/2$ BPSK	1702.5	-1.00	75 / 0	24.69	23.69	0.234	30.00	-6.31
	QPSK	1702.5	-1.00	1 / 1	24.73	23.73	0.236	30.00	-6.27
	16-QAM	1702.5	-1.00	1 / 1	23.53	22.53	0.179	30.00	-7.47
	64-QAM	1702.5	-1.00	75 / 0	22.82	21.82	0.152	30.00	-8.18
	256-QAM	1702.5	-1.00	75 / 0	20.76	19.76	0.095	30.00	-10.24

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 287 of 360

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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	$\pi/2$ BPSK	665.5	-1.30	25 / 0	25.07	21.62	0.145	34.77	-13.15
		680.5	-1.30	25 / 0	24.99	21.54	0.143	34.77	-13.23
		695.5	-1.30	25 / 0	25.07	21.62	0.145	34.77	-13.15
	QPSK	665.5	-1.30	1 / 24	25.06	21.61	0.145	34.77	-13.16
		680.5	-1.30	1 / 12	25.00	21.55	0.143	34.77	-13.22
		695.5	-1.30	1 / 12	25.13	21.68	0.147	34.77	-13.09
	16-QAM	665.5	-1.30	1 / 12	24.07	20.62	0.115	34.77	-14.15
	64-QAM	665.5	-1.30	25 / 0	23.15	19.70	0.093	34.77	-15.07
	256-QAM	665.5	-1.30	25 / 0	21.05	17.60	0.058	34.77	-17.17
10 MHz	$\pi/2$ BPSK	668.0	-1.30	1 / 25	25.05	21.60	0.145	34.77	-13.17
		680.5	-1.30	50 / 0	25.03	21.58	0.144	34.77	-13.19
		693.0	-1.30	50 / 0	25.21	21.76	0.150	34.77	-13.01
	QPSK	668.0	-1.30	1 / 1	25.11	21.66	0.147	34.77	-13.11
		680.5	-1.30	1 / 50	25.09	21.64	0.146	34.77	-13.13
		693.0	-1.30	1 / 1	25.05	21.60	0.145	34.77	-13.17
	16-QAM	693.0	-1.30	1 / 50	24.09	20.64	0.116	34.77	-14.13
	64-QAM	693.0	-1.30	50 / 0	23.12	19.67	0.093	34.77	-15.10
	256-QAM	693.0	-1.30	50 / 0	21.22	17.77	0.060	34.77	-17.00
15 MHz	$\pi/2$ BPSK	670.5	-1.30	1 / 77	25.00	21.55	0.143	34.77	-13.22
		680.5	-1.30	75 / 0	24.95	21.50	0.141	34.77	-13.27
		690.5	-1.30	75 / 0	25.08	21.63	0.146	34.77	-13.14
	QPSK	670.5	-1.30	1 / 1	24.93	21.48	0.141	34.77	-13.29
		680.5	-1.30	1 / 77	25.02	21.57	0.144	34.77	-13.20
		690.5	-1.30	1 / 36	25.07	21.62	0.145	34.77	-13.15
	16-QAM	680.5	-1.30	1 / 36	23.93	20.48	0.112	34.77	-14.29
	64-QAM	690.5	-1.30	75 / 0	23.07	19.62	0.092	34.77	-15.15
	256-QAM	690.5	-1.30	75 / 0	21.03	17.58	0.057	34.77	-17.19
20 MHz	$\pi/2$ BPSK	673.0	-1.30	100 / 0	24.97	21.52	0.142	34.77	-13.25
		680.5	-1.30	100 / 0	25.02	21.57	0.144	34.77	-13.20
		688.0	-1.30	100 / 0	24.98	21.53	0.142	34.77	-13.24
	QPSK	673.0	-1.30	1 / 104	25.17	21.72	0.149	34.77	-13.05
		680.5	-1.30	1 / 104	25.00	21.55	0.143	34.77	-13.22
		688.0	-1.30	1 / 50	25.02	21.57	0.144	34.77	-13.20
	16-QAM	680.5	-1.30	1 / 104	23.86	20.41	0.110	34.77	-14.36
	64-QAM	680.5	-1.30	100 / 0	23.02	19.57	0.091	34.77	-15.20
	256-QAM	680.5	-1.30	100 / 0	20.99	17.54	0.057	34.77	-17.23

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	$\pi/2$ BPSK	701.5	-1.70	1 / 12	25.03	21.18	0.131	34.77	-13.59
		707.5	-1.70	25 / 0	24.98	21.13	0.130	34.77	-13.64
		713.5	-1.70	1 / 12	25.11	21.26	0.134	34.77	-13.51
	QPSK	701.5	-1.70	1 / 24	25.05	21.20	0.132	34.77	-13.57
		707.5	-1.70	1 / 24	25.08	21.23	0.133	34.77	-13.54
		713.5	-1.70	1 / 1	25.23	21.38	0.137	34.77	-13.39
	16-QAM	713.5	-1.70	1 / 1	23.89	20.04	0.101	34.77	-14.73
	64-QAM	713.5	-1.70	25 / 0	23.23	19.38	0.087	34.77	-15.39
	256-QAM	713.5	-1.70	25 / 0	21.01	17.16	0.052	34.77	-17.61
10 MHz	$\pi/2$ BPSK	704.0	-1.70	50 / 0	25.02	21.17	0.131	34.77	-13.60
		707.5	-1.70	1 / 50	25.08	21.23	0.133	34.77	-13.54
		711.0	-1.70	50 / 0	25.16	21.31	0.135	34.77	-13.46
	QPSK	704.0	-1.70	1 / 50	25.11	21.26	0.134	34.77	-13.51
		707.5	-1.70	1 / 25	25.07	21.22	0.132	34.77	-13.55
		711.0	-1.70	1 / 25	25.07	21.22	0.132	34.77	-13.55
	16-QAM	707.5	-1.70	1 / 50	23.86	20.01	0.100	34.77	-14.76
	64-QAM	711.0	-1.70	50 / 0	23.13	19.28	0.085	34.77	-15.49
	256-QAM	704.0	-1.70	50 / 0	21.17	17.32	0.054	34.77	-17.45
15 MHz	$\pi/2$ BPSK	706.5	-1.70	75 / 0	25.06	21.21	0.132	34.77	-13.56
		707.5	-1.70	75 / 0	24.96	21.11	0.129	34.77	-13.66
		708.5	-1.70	75 / 0	25.01	21.16	0.131	34.77	-13.61
	QPSK	706.5	-1.70	1 / 77	25.10	21.25	0.133	34.77	-13.52
		707.5	-1.70	1 / 77	25.07	21.22	0.132	34.77	-13.55
		708.5	-1.70	1 / 1	25.00	21.15	0.130	34.77	-13.62
	16-QAM	706.5	-1.70	1 / 77	23.83	19.98	0.100	34.77	-14.79
	64-QAM	707.5	-1.70	75 / 0	23.07	19.22	0.084	34.77	-15.55
	256-QAM	708.5	-1.70	75 / 0	21.03	17.18	0.052	34.77	-17.59

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

FCC ID: BCGA3462	 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	25.52	0.80	26.32	0.429	30.00	-3.68
1732.60	WCDMA1700	25.49	0.80	26.29	0.426	30.00	-3.71
1752.60	WCDMA1700	25.42	0.80	26.22	0.419	30.00	-3.78

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.2 Antenna 2 – ERP/EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	1.80	1 / 3	25.01	26.81	0.480	30.00	-3.19
		1745.0	1.80	1 / 3	25.36	27.16	0.520	30.00	-2.84
		1779.3	1.80	1 / 3	25.21	27.01	0.502	30.00	-2.99
	16-QAM	1779.3	1.80	1 / 3	24.48	26.28	0.425	30.00	-3.72
	64-QAM	1779.3	1.80	1 / 3	23.50	25.30	0.339	30.00	-4.70
	256-QAM	1779.3	1.80	6 / 0	20.71	22.51	0.178	30.00	-7.49
3 MHz	QPSK	1711.5	1.80	1 / 7	25.04	26.84	0.483	30.00	-3.16
		1745.0	1.80	1 / 7	25.19	26.99	0.500	30.00	-3.01
		1778.5	1.80	1 / 7	25.23	27.03	0.505	30.00	-2.97
	16-QAM	1778.5	1.80	1 / 7	24.64	26.44	0.441	30.00	-3.56
	64-QAM	1745.0	1.80	1 / 7	23.45	25.25	0.335	30.00	-4.75
	256-QAM	1745.0	1.80	15 / 0	20.65	22.45	0.176	30.00	-7.55
5 MHz	QPSK	1712.5	1.80	1 / 24	25.21	27.01	0.502	30.00	-2.99
		1745.0	1.80	1 / 24	25.37	27.17	0.521	30.00	-2.83
		1777.5	1.80	1 / 0	25.23	27.03	0.505	30.00	-2.97
	16-QAM	1745.0	1.80	1 / 24	24.79	26.59	0.456	30.00	-3.41
	64-QAM	1745.0	1.80	1 / 0	23.68	25.48	0.353	30.00	-4.52
	256-QAM	1777.5	1.80	25 / 0	20.80	22.60	0.182	30.00	-7.40
10 MHz	QPSK	1715.0	1.80	1 / 49	25.24	27.04	0.506	30.00	-2.96
		1745.0	1.80	1 / 25	25.22	27.02	0.504	30.00	-2.98
		1775.0	1.80	1 / 49	25.24	27.04	0.506	30.00	-2.96
	16-QAM	1745.0	1.80	1 / 25	24.68	26.48	0.445	30.00	-3.52
	64-QAM	1715.0	1.80	1 / 49	23.57	25.37	0.344	30.00	-4.63
	256-QAM	1775.0	1.80	50 / 0	20.76	22.56	0.180	30.00	-7.44
15 MHz	QPSK	1717.5	1.80	1 / 37	25.28	27.08	0.511	30.00	-2.92
		1745.0	1.80	1 / 37	25.18	26.98	0.499	30.00	-3.02
		1772.5	1.80	1 / 37	25.17	26.97	0.498	30.00	-3.03
	16-QAM	1745.0	1.80	1 / 37	24.58	26.38	0.435	30.00	-3.62
	64-QAM	1717.5	1.80	1 / 37	23.54	25.34	0.342	30.00	-4.66
	256-QAM	1772.5	1.80	75 / 0	20.69	22.49	0.177	30.00	-7.51
20 MHz	QPSK	1720.0	1.80	1 / 50	25.17	26.97	0.498	30.00	-3.03
		1745.0	1.80	1 / 50	25.09	26.89	0.489	30.00	-3.11
		1770.0	1.80	1 / 50	25.22	27.02	0.504	30.00	-2.98
	16-QAM	1770.0	1.80	1 / 50	24.57	26.37	0.434	30.00	-3.63
	64-QAM	1770.0	1.80	1 / 50	23.54	25.34	0.342	30.00	-4.66
	256-QAM	1745.0	1.80	100 / 0	20.63	22.43	0.175	30.00	-7.57

Table 7-13. Antenna 2 EIRP Data (LTE Band 66)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	1.80	1 / 3	25.04	26.84	0.483	30.00	-3.16
		1732.5	1.80	1 / 3	25.02	26.82	0.481	30.00	-3.18
		1754.3	1.80	1 / 3	24.97	26.77	0.475	30.00	-3.23
	16-QAM	1732.5	1.80	1 / 0	24.35	26.15	0.412	30.00	-3.85
	64-QAM	1732.5	1.80	1 / 3	23.34	25.14	0.327	30.00	-4.86
	256-QAM	1732.5	1.80	6 / 0	20.52	22.32	0.171	30.00	-7.68
3 MHz	QPSK	1711.5	1.80	1 / 7	24.88	26.68	0.466	30.00	-3.32
		1732.5	1.80	1 / 7	25.10	26.90	0.490	30.00	-3.10
		1753.5	1.80	1 / 7	25.03	26.83	0.482	30.00	-3.17
	16-QAM	1753.5	1.80	1 / 7	24.47	26.27	0.424	30.00	-3.73
	64-QAM	1753.5	1.80	1 / 7	23.27	25.07	0.321	30.00	-4.93
	256-QAM	1732.5	1.80	15 / 0	20.51	22.31	0.170	30.00	-7.69
5 MHz	QPSK	1712.5	1.80	1 / 0	24.98	26.78	0.476	30.00	-3.22
		1732.5	1.80	1 / 0	25.20	27.00	0.501	30.00	-3.00
		1752.5	1.80	1 / 12	25.00	26.80	0.479	30.00	-3.20
	16-QAM	1732.5	1.80	1 / 12	24.60	26.40	0.437	30.00	-3.60
	64-QAM	1732.5	1.80	1 / 12	23.69	25.49	0.354	30.00	-4.51
	256-QAM	1732.5	1.80	25 / 0	20.58	22.38	0.173	30.00	-7.62
10 MHz	QPSK	1715.0	1.80	1 / 49	24.94	26.74	0.472	30.00	-3.26
		1732.5	1.80	1 / 25	25.09	26.89	0.489	30.00	-3.11
		1750.0	1.80	1 / 49	25.02	26.82	0.481	30.00	-3.18
	16-QAM	1732.5	1.80	1 / 25	24.49	26.29	0.426	30.00	-3.71
	64-QAM	1715.0	1.80	1 / 49	23.32	25.12	0.325	30.00	-4.88
	256-QAM	1732.5	1.80	50 / 0	20.56	22.36	0.172	30.00	-7.64
15 MHz	QPSK	1717.5	1.80	1 / 37	25.10	26.90	0.490	30.00	-3.10
		1732.5	1.80	1 / 37	25.10	26.90	0.490	30.00	-3.10
		1747.5	1.80	1 / 37	24.92	26.72	0.470	30.00	-3.28
	16-QAM	1732.5	1.80	1 / 37	24.52	26.32	0.429	30.00	-3.68
	64-QAM	1717.5	1.80	1 / 37	23.33	25.13	0.326	30.00	-4.87
	256-QAM	1732.5	1.80	75 / 0	20.49	22.29	0.169	30.00	-7.71
20 MHz	QPSK	1720.0	1.80	1 / 50	24.83	26.63	0.460	30.00	-3.37
		1732.5	1.80	1 / 50	25.18	26.98	0.499	30.00	-3.02
		1745.0	1.80	1 / 50	25.01	26.81	0.480	30.00	-3.19
	16-QAM	1732.5	1.80	1 / 50	24.55	26.35	0.432	30.00	-3.65
	64-QAM	1732.5	1.80	1 / 50	23.56	25.36	0.344	30.00	-4.64
	256-QAM	1732.5	1.80	100 / 0	20.50	22.30	0.170	30.00	-7.70

Table 7-14. Antenna 2 EIRP Data (LTE Band 4)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-0.60	1 / 12	24.65	21.90	0.155	34.77	-12.87
		680.5	-0.60	1 / 12	24.79	22.04	0.160	34.77	-12.73
		695.5	-0.60	1 / 12	24.73	21.98	0.158	34.77	-12.79
	16-QAM	695.5	-0.60	1 / 0	24.14	21.39	0.138	34.77	-13.38
	64-QAM	695.5	-0.60	1 / 24	23.05	20.30	0.107	34.77	-14.47
	256-QAM	695.5	-0.60	25 / 0	20.13	17.38	0.055	34.77	-17.39
10 MHz	QPSK	668.0	-0.60	1 / 25	24.55	21.80	0.151	34.77	-12.97
		680.5	-0.60	1 / 49	24.61	21.86	0.153	34.77	-12.91
		693.0	-0.60	1 / 49	24.65	21.90	0.155	34.77	-12.87
	16-QAM	693.0	-0.60	1 / 49	24.09	21.34	0.136	34.77	-13.43
	64-QAM	680.5	-0.60	1 / 49	22.97	20.22	0.105	34.77	-14.55
	256-QAM	693.0	-0.60	50 / 0	20.16	17.41	0.055	34.77	-17.36
15 MHz	QPSK	670.5	-0.60	1 / 37	24.64	21.89	0.155	34.77	-12.88
		680.5	-0.60	1 / 37	24.61	21.86	0.153	34.77	-12.91
		690.5	-0.60	1 / 74	24.56	21.81	0.152	34.77	-12.96
	16-QAM	690.5	-0.60	1 / 37	23.99	21.24	0.133	34.77	-13.53
	64-QAM	670.5	-0.60	1 / 37	22.85	20.10	0.102	34.77	-14.67
	256-QAM	690.5	-0.60	75 / 0	20.06	17.31	0.054	34.77	-17.46
20 MHz	QPSK	673.0	-0.60	1 / 50	24.33	21.58	0.144	34.77	-13.19
		680.5	-0.60	1 / 50	24.64	21.89	0.155	34.77	-12.88
		688.0	-0.60	1 / 50	24.54	21.79	0.151	34.77	-12.98
	16-QAM	680.5	-0.60	1 / 50	24.00	21.25	0.133	34.77	-13.52
	64-QAM	680.5	-0.60	1 / 50	22.86	20.11	0.103	34.77	-14.66
	256-QAM	680.5	-0.60	100 / 0	20.02	17.27	0.053	34.77	-17.50

Table 7-15. Antenna 2 ERP Data (LTE Band 71)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-1.40	1 / 3	24.79	21.24	0.133	34.77	-13.53
		707.5	-1.40	1 / 3	24.68	21.13	0.130	34.77	-13.64
		715.3	-1.40	1 / 3	24.59	21.04	0.127	34.77	-13.73
	16-QAM	707.5	-1.40	1 / 3	24.00	20.45	0.111	34.77	-14.32
	64-QAM	715.3	-1.40	1 / 0	22.90	19.35	0.086	34.77	-15.42
	256-QAM	707.5	-1.40	6 / 0	20.33	16.78	0.048	34.77	-17.99
3 MHz	QPSK	700.5	-1.40	1 / 7	24.73	21.18	0.131	34.77	-13.59
		707.5	-1.40	1 / 7	24.74	21.19	0.132	34.77	-13.58
		714.5	-1.40	1 / 7	24.65	21.10	0.129	34.77	-13.67
	16-QAM	700.5	-1.40	1 / 7	24.05	20.50	0.112	34.77	-14.27
	64-QAM	700.5	-1.40	1 / 7	23.14	19.59	0.091	34.77	-15.18
	256-QAM	707.5	-1.40	15 / 0	20.25	16.70	0.047	34.77	-18.07
5 MHz	QPSK	701.5	-1.40	1 / 24	24.73	21.18	0.131	34.77	-13.59
		707.5	-1.40	1 / 0	24.76	21.21	0.132	34.77	-13.56
		713.5	-1.40	1 / 0	24.58	21.03	0.127	34.77	-13.74
	16-QAM	701.5	-1.40	1 / 24	24.08	20.53	0.113	34.77	-14.24
	64-QAM	713.5	-1.40	1 / 0	23.05	19.50	0.089	34.77	-15.27
	256-QAM	707.5	-1.40	25 / 0	20.23	16.68	0.047	34.77	-18.09
10 MHz	QPSK	704.0	-1.40	1 / 49	24.65	21.10	0.129	34.77	-13.67
		707.5	-1.40	1 / 49	24.68	21.13	0.130	34.77	-13.64
		711.0	-1.40	1 / 25	24.68	21.13	0.130	34.77	-13.64
	16-QAM	707.5	-1.40	1 / 25	24.05	20.50	0.112	34.77	-14.27
	64-QAM	707.5	-1.40	1 / 49	22.99	19.44	0.088	34.77	-15.33
	256-QAM	707.5	-1.40	50 / 0	20.31	16.76	0.047	34.77	-18.01

Table 7-16. Antenna 2 ERP Data (LTE Band 12)

FCC ID: BCGA3462	 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	-1.40	1 / 24	24.64	21.09	0.129	34.77	-13.68
		710.0	-1.40	1 / 24	24.73	21.18	0.131	34.77	-13.59
		713.5	-1.40	1 / 12	24.49	20.94	0.124	34.77	-13.83
	16-QAM	706.5	-1.40	1 / 24	24.02	20.47	0.111	34.77	-14.30
	64-QAM	713.5	-1.40	1 / 12	23.01	19.46	0.088	34.77	-15.31
	256-QAM	710.0	-1.40	25 / 0	20.07	16.52	0.045	34.77	-18.25
10 MHz	QPSK	709.0	-1.40	1 / 25	24.65	21.10	0.129	34.77	-13.67
		710.0	-1.40	1 / 25	24.62	21.07	0.128	34.77	-13.70
		711.0	-1.40	1 / 25	24.60	21.05	0.127	34.77	-13.72
	16-QAM	710.0	-1.40	1 / 49	24.05	20.50	0.112	34.77	-14.27
	64-QAM	711.0	-1.40	1 / 49	22.90	19.35	0.086	34.77	-15.42
	256-QAM	711.0	-1.40	50 / 0	20.21	16.66	0.046	34.77	-18.11

Table 7-17. Antenna 2 ERP Data (LTE Band 17)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-1.10	1 / 0	24.73	21.48	0.141	34.77	-13.29
		782.0	-1.10	1 / 0	24.72	21.47	0.140	34.77	-13.30
		784.5	-1.10	1 / 24	24.49	21.24	0.133	34.77	-13.53
	16-QAM	779.5	-1.10	1 / 0	24.02	20.77	0.119	34.77	-14.00
	64-QAM	782.0	-1.10	1 / 0	23.04	19.79	0.095	34.77	-14.98
	256-QAM	782.0	-1.10	25 / 0	20.05	16.80	0.048	34.77	-17.97
10 MHz	QPSK	782.0	-1.10	1 / 0	24.51	21.26	0.134	34.77	-13.51
	16-QAM	782.0	-1.10	1 / 25	23.82	20.57	0.114	34.77	-14.20
	64-QAM	782.0	-1.10	1 / 49	22.87	19.62	0.092	34.77	-15.15
	256-QAM	782.0	-1.10	50 / 0	20.16	16.91	0.049	34.77	-17.86

Table 7-18. Antenna 2 ERP Data (LTE Band 13)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	1.80	25 / 0	25.21	27.01	0.502	30.00	-2.99
		1745.0	1.80	25 / 0	25.07	26.87	0.486	30.00	-3.13
		1777.5	1.80	25 / 0	25.02	26.82	0.481	30.00	-3.18
	QPSK	1712.5	1.80	1 / 1	25.04	26.84	0.483	30.00	-3.16
		1745.0	1.80	1 / 1	25.03	26.83	0.482	30.00	-3.17
		1777.5	1.80	1 / 1	25.03	26.83	0.482	30.00	-3.17
	16-QAM	1745.0	1.80	1 / 12	23.94	25.74	0.375	30.00	-4.26
	64-QAM	1745.0	1.80	25 / 0	23.16	24.96	0.313	30.00	-5.04
256-QAM	1745.0	1.80	25 / 0	21.18	22.98	0.199	30.00	-7.02	
10 MHz	π/2 BPSK	1715.0	1.80	50 / 0	25.09	26.89	0.489	30.00	-3.11
		1745.0	1.80	50 / 0	25.16	26.96	0.497	30.00	-3.04
		1775.0	1.80	50 / 0	25.17	26.97	0.498	30.00	-3.03
	QPSK	1715.0	1.80	1 / 1	25.06	26.86	0.485	30.00	-3.14
		1745.0	1.80	1 / 50	25.12	26.92	0.492	30.00	-3.08
		1775.0	1.80	1 / 1	25.19	26.99	0.500	30.00	-3.01
	16-QAM	1745.0	1.80	1 / 50	24.00	25.80	0.380	30.00	-4.20
	64-QAM	1775.0	1.80	50 / 0	23.16	24.96	0.313	30.00	-5.04
256-QAM	1775.0	1.80	50 / 0	21.21	23.01	0.200	30.00	-6.99	
15 MHz	π/2 BPSK	1717.5	1.80	75 / 0	24.95	26.75	0.473	30.00	-3.25
		1745.0	1.80	75 / 0	25.06	26.86	0.485	30.00	-3.14
		1772.5	1.80	75 / 0	25.08	26.88	0.488	30.00	-3.12
	QPSK	1717.5	1.80	1 / 77	24.98	26.78	0.476	30.00	-3.22
		1745.0	1.80	1 / 77	25.07	26.87	0.486	30.00	-3.13
		1772.5	1.80	1 / 36	25.06	26.86	0.485	30.00	-3.14
	16-QAM	1772.5	1.80	1 / 36	23.88	25.68	0.370	30.00	-4.32
	64-QAM	1772.5	1.80	75 / 0	23.13	24.93	0.311	30.00	-5.07
256-QAM	1772.5	1.80	75 / 0	21.10	22.90	0.195	30.00	-7.10	
20 MHz	π/2 BPSK	1720.0	1.80	100 / 0	25.03	26.83	0.482	30.00	-3.17
		1745.0	1.80	100 / 0	25.08	26.88	0.488	30.00	-3.12
		1770.0	1.80	100 / 0	25.11	26.91	0.491	30.00	-3.09
	QPSK	1720.0	1.80	1 / 104	25.00	26.80	0.479	30.00	-3.20
		1745.0	1.80	1 / 1	25.07	26.87	0.486	30.00	-3.13
		1770.0	1.80	1 / 50	25.05	26.85	0.484	30.00	-3.15
	16-QAM	1745.0	1.80	1 / 104	23.91	25.71	0.372	30.00	-4.29
	64-QAM	1770.0	1.80	100 / 0	23.13	24.93	0.311	30.00	-5.07
256-QAM	1770.0	1.80	100 / 0	21.11	22.91	0.195	30.00	-7.09	
25 MHz	π/2 BPSK	1722.5	1.80	128 / 0	25.09	26.89	0.489	30.00	-3.11
		1745.0	1.80	1 / 64	25.14	26.94	0.494	30.00	-3.06
		1767.5	1.80	128 / 0	25.22	27.02	0.504	30.00	-2.98
	QPSK	1722.5	1.80	1 / 131	25.07	26.87	0.486	30.00	-3.13
		1745.0	1.80	1 / 131	25.22	27.02	0.504	30.00	-2.98
		1767.5	1.80	1 / 64	25.15	26.95	0.495	30.00	-3.05
	16-QAM	1767.5	1.80	1 / 64	23.93	25.73	0.374	30.00	-4.27
	64-QAM	1767.5	1.80	128 / 0	23.26	25.06	0.321	30.00	-4.94
256-QAM	1767.5	1.80	128 / 0	21.22	23.02	0.200	30.00	-6.98	
30 MHz	π/2 BPSK	1725.0	1.80	1 / 158	25.05	26.85	0.484	30.00	-3.15
		1745.0	1.80	160 / 0	25.13	26.93	0.493	30.00	-3.07
		1765.0	1.80	160 / 0	25.14	26.94	0.494	30.00	-3.06
	QPSK	1725.0	1.80	1 / 158	25.13	26.93	0.493	30.00	-3.07
		1745.0	1.80	1 / 158	25.16	26.96	0.497	30.00	-3.04
		1765.0	1.80	1 / 1	25.22	27.02	0.504	30.00	-2.98
	16-QAM	1765.0	1.80	1 / 1	24.01	25.81	0.381	30.00	-4.19
	64-QAM	1745.0	1.80	160 / 0	23.17	24.97	0.314	30.00	-5.03
256-QAM	1745.0	1.80	160 / 0	21.16	22.96	0.198	30.00	-7.04	
35 MHz	π/2 BPSK	1727.5	1.80	1 / 90	25.13	26.93	0.493	30.00	-3.07
		1745.0	1.80	1 / 90	25.16	26.96	0.497	30.00	-3.04
		1762.5	1.80	180 / 0	25.14	26.94	0.494	30.00	-3.06
	QPSK	1725.0	1.80	1 / 1	24.92	26.72	0.470	30.00	-3.28
		1745.0	1.80	1 / 1	25.06	26.86	0.485	30.00	-3.14
		1765.0	1.80	1 / 1	25.03	26.83	0.482	30.00	-3.17
	16-QAM	1765.0	1.80	1 / 1	23.90	25.70	0.372	30.00	-4.30
	64-QAM	1765.0	1.80	180 / 0	23.15	24.95	0.313	30.00	-5.05
256-QAM	1765.0	1.80	180 / 0	21.13	22.93	0.196	30.00	-7.07	
40 MHz	π/2 BPSK	1730.0	1.80	216 / 0	25.13	26.93	0.493	30.00	-3.07
		1745.0	1.80	216 / 0	25.16	26.96	0.497	30.00	-3.04
		1760.0	1.80	216 / 0	25.18	26.98	0.499	30.00	-3.02
	QPSK	1730.0	1.80	1 / 214	25.21	27.01	0.502	30.00	-2.99
		1745.0	1.80	1 / 214	25.22	27.02	0.504	30.00	-2.98
		1760.0	1.80	1 / 214	25.09	26.89	0.489	30.00	-3.11
	16-QAM	1730.0	1.80	1 / 214	24.04	25.84	0.384	30.00	-4.16
	64-QAM	1760.0	1.80	216 / 0	23.20	25.00	0.316	30.00	-5.00
256-QAM	1760.0	1.80	216 / 0	21.19	22.99	0.199	30.00	-7.01	
45 MHz	π/2 BPSK	1732.5	1.80	240 / 0	25.12	26.92	0.492	30.00	-3.08
		1745.0	1.80	240 / 0	25.12	26.92	0.492	30.00	-3.08
		1757.5	1.80	1 / 120	25.22	27.02	0.504	30.00	-2.98
	QPSK	1732.5	1.80	1 / 240	25.16	26.96	0.497	30.00	-3.04
		1745.0	1.80	1 / 240	25.09	26.89	0.489	30.00	-3.11
		1757.5	1.80	1 / 1	25.27	27.07	0.509	30.00	-2.93
	16-QAM	1757.5	1.80	1 / 120	24.00	25.80	0.380	30.00	-4.20
	64-QAM	1757.5	1.80	240 / 0	23.17	24.97	0.314	30.00	-5.03
256-QAM	1732.5	1.80	240 / 0	21.19	22.99	0.199	30.00	-7.01	

Table 7-19. Antenna 2 EIRP Data (NR Band n66)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	$\pi/2$ BPSK	1697.5	-0.30	25 / 0	25.10	24.80	0.302	30.00	-5.20
		1702.5	-0.30	25 / 0	25.08	24.78	0.301	30.00	-5.22
		1707.5	-0.30	25 / 0	25.14	24.84	0.305	30.00	-5.16
	QPSK	1697.5	-0.30	1 / 1	25.19	24.89	0.308	30.00	-5.11
		1702.5	-0.30	1 / 1	25.11	24.81	0.303	30.00	-5.19
		1707.5	-0.30	1 / 12	25.15	24.85	0.305	30.00	-5.15
	16-QAM	1697.5	-0.30	1 / 1	24.04	23.74	0.237	30.00	-6.26
	64-QAM	1702.5	-0.30	25 / 0	23.20	22.90	0.195	30.00	-7.10
	256-QAM	1707.5	-0.30	25 / 0	21.19	20.89	0.123	30.00	-9.11
10 MHz	$\pi/2$ BPSK	1700.0	-0.30	50 / 0	25.14	24.84	0.305	30.00	-5.16
		1702.5	-0.30	1 / 50	25.18	24.88	0.308	30.00	-5.12
		1705.0	-0.30	50 / 0	25.13	24.83	0.304	30.00	-5.17
	QPSK	1700.0	-0.30	1 / 1	25.14	24.84	0.305	30.00	-5.16
		1702.5	-0.30	1 / 1	25.17	24.87	0.307	30.00	-5.13
		1705.0	-0.30	1 / 1	25.14	24.84	0.305	30.00	-5.16
	16-QAM	1702.5	-0.30	1 / 1	24.04	23.74	0.237	30.00	-6.26
	64-QAM	1700.0	-0.30	50 / 0	23.14	22.84	0.192	30.00	-7.16
15 MHz	256-QAM	1700.0	-0.30	50 / 0	21.21	20.91	0.123	30.00	-9.09
	$\pi/2$ BPSK	1702.5	-0.30	1 / 1	25.09	24.79	0.301	30.00	-5.21
	QPSK	1702.5	-0.30	1 / 1	25.10	24.80	0.302	30.00	-5.20
	16-QAM	1702.5	-0.30	1 / 1	23.90	23.60	0.229	30.00	-6.40
	64-QAM	1702.5	-0.30	75 / 0	23.15	22.85	0.193	30.00	-7.15
	256-QAM	1702.5	-0.30	75 / 0	21.11	20.81	0.121	30.00	-9.19

Table 7-20. Antenna 2 EIRP Data (NR Band n70)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	$\pi/2$ BPSK	665.5	-0.60	25 / 0	24.56	21.81	0.152	34.77	-12.96
		680.5	-0.60	25 / 0	24.59	21.84	0.153	34.77	-12.93
		695.5	-0.60	25 / 0	24.63	21.88	0.154	34.77	-12.89
	QPSK	665.5	-0.60	1 / 12	24.63	21.88	0.154	34.77	-12.89
		680.5	-0.60	1 / 12	24.65	21.90	0.155	34.77	-12.87
		695.5	-0.60	1 / 24	24.66	21.91	0.155	34.77	-12.86
	16-QAM	695.5	-0.60	1 / 12	23.55	20.80	0.120	34.77	-13.97
	64-QAM	680.5	-0.60	25 / 0	22.68	19.93	0.098	34.77	-14.84
	256-QAM	680.5	-0.60	25 / 0	20.77	18.02	0.063	34.77	-16.75
10 MHz	$\pi/2$ BPSK	668.0	-0.60	50 / 0	24.64	21.89	0.155	34.77	-12.88
		680.5	-0.60	50 / 0	24.69	21.94	0.156	34.77	-12.83
		693.0	-0.60	1 / 50	24.72	21.97	0.157	34.77	-12.80
	QPSK	668.0	-0.60	1 / 25	24.64	21.89	0.155	34.77	-12.88
		680.5	-0.60	1 / 50	24.63	21.88	0.154	34.77	-12.89
		693.0	-0.60	1 / 1	24.65	21.90	0.155	34.77	-12.87
	16-QAM	693.0	-0.60	1 / 1	23.58	20.83	0.121	34.77	-13.94
	64-QAM	668.0	-0.60	50 / 0	22.69	19.94	0.099	34.77	-14.83
	256-QAM	693.0	-0.60	50 / 0	20.79	18.04	0.064	34.77	-16.73
15 MHz	$\pi/2$ BPSK	670.5	-0.60	75 / 0	24.62	21.87	0.154	34.77	-12.90
		680.5	-0.60	1 / 1	24.58	21.83	0.152	34.77	-12.94
		690.5	-0.60	1 / 77	24.68	21.93	0.156	34.77	-12.84
	QPSK	670.5	-0.60	1 / 77	24.60	21.85	0.153	34.77	-12.92
		680.5	-0.60	1 / 1	24.67	21.92	0.156	34.77	-12.85
		690.5	-0.60	1 / 1	24.63	21.88	0.154	34.77	-12.89
	16-QAM	670.5	-0.60	1 / 77	23.54	20.79	0.120	34.77	-13.98
	64-QAM	670.5	-0.60	75 / 0	22.72	19.97	0.099	34.77	-14.80
	256-QAM	670.5	-0.60	75 / 0	20.68	17.93	0.062	34.77	-16.84
20 MHz	$\pi/2$ BPSK	673.0	-0.60	1 / 104	24.72	21.97	0.157	34.77	-12.80
		680.5	-0.60	100 / 0	24.59	21.84	0.153	34.77	-12.93
		688.0	-0.60	100 / 0	24.61	21.86	0.153	34.77	-12.91
	QPSK	673.0	-0.60	1 / 50	24.59	21.84	0.153	34.77	-12.93
		680.5	-0.60	1 / 104	24.59	21.84	0.153	34.77	-12.93
		688.0	-0.60	1 / 1	24.58	21.83	0.152	34.77	-12.94
	16-QAM	673.0	-0.60	1 / 104	23.47	20.72	0.118	34.77	-14.05
	64-QAM	673.0	-0.60	100 / 0	22.72	19.97	0.099	34.77	-14.80
	256-QAM	673.0	-0.60	100 / 0	20.66	17.91	0.062	34.77	-16.86

Table 7-21. Antenna 2 ERP Data (NR Band n71)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	$\pi/2$ BPSK	701.5	-1.40	1 / 24	24.56	21.01	0.126	34.77	-13.76
		707.5	-1.40	25 / 0	24.52	20.97	0.125	34.77	-13.80
		713.5	-1.40	1 / 12	24.65	21.10	0.129	34.77	-13.67
	QPSK	701.5	-1.40	1 / 1	24.66	21.11	0.129	34.77	-13.66
		707.5	-1.40	1 / 24	24.66	21.11	0.129	34.77	-13.66
		713.5	-1.40	1 / 12	24.78	21.23	0.133	34.77	-13.54
	16-QAM	713.5	-1.40	1 / 12	23.57	20.02	0.100	34.77	-14.75
	64-QAM	713.5	-1.40	25 / 0	22.64	19.09	0.081	34.77	-15.68
	256-QAM	713.5	-1.40	25 / 0	20.80	17.25	0.053	34.77	-17.52
10 MHz	$\pi/2$ BPSK	704.0	-1.40	50 / 0	24.66	21.11	0.129	34.77	-13.66
		707.5	-1.40	50 / 0	24.60	21.05	0.127	34.77	-13.72
		711.0	-1.40	50 / 0	24.66	21.11	0.129	34.77	-13.66
	QPSK	704.0	-1.40	1 / 50	24.59	21.04	0.127	34.77	-13.73
		707.5	-1.40	1 / 50	24.65	21.10	0.129	34.77	-13.67
		711.0	-1.40	1 / 50	24.60	21.05	0.127	34.77	-13.72
	16-QAM	704.0	-1.40	1 / 1	23.56	20.01	0.100	34.77	-14.76
	64-QAM	704.0	-1.40	50 / 0	22.60	19.05	0.080	34.77	-15.72
	256-QAM	704.0	-1.40	50 / 0	20.75	17.20	0.052	34.77	-17.57
15 MHz	$\pi/2$ BPSK	706.5	-1.40	1 / 77	24.60	21.05	0.127	34.77	-13.72
		707.5	-1.40	1 / 77	24.46	20.91	0.123	34.77	-13.86
		708.5	-1.40	75 / 0	24.52	20.97	0.125	34.77	-13.80
	QPSK	706.5	-1.40	1 / 1	24.67	21.12	0.129	34.77	-13.65
		707.5	-1.40	1 / 77	24.63	21.08	0.128	34.77	-13.69
		708.5	-1.40	1 / 77	24.64	21.09	0.129	34.77	-13.68
	16-QAM	706.5	-1.40	1 / 77	23.49	19.94	0.099	34.77	-14.83
	64-QAM	706.5	-1.40	75 / 0	22.58	19.03	0.080	34.77	-15.74
	256-QAM	708.5	-1.40	75 / 0	20.55	17.00	0.050	34.77	-17.77

Table 7-22. Antenna 2 ERP Data (NR Band n12)

FCC ID: BCGA3462	 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	25.48	1.80	27.28	0.535	30.00	-2.72
1732.60	WCDMA1700	25.53	1.80	27.33	0.541	30.00	-2.67
1752.60	WCDMA1700	25.49	1.80	27.29	0.536	30.00	-2.71

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.3 Antenna 3b – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-1.80	1 / 3	25.12	23.32	0.215	30.00	-6.68
		1745.0	-1.80	1 / 3	25.04	23.24	0.211	30.00	-6.76
		1779.3	-1.80	1 / 3	25.26	23.46	0.222	30.00	-6.54
	16-QAM	1745.0	-1.80	1 / 3	24.38	22.58	0.181	30.00	-7.42
	64-QAM	1745.0	-1.80	1 / 3	23.47	21.67	0.147	30.00	-8.33
	256-QAM	1779.3	-1.80	6 / 0	20.66	18.86	0.077	30.00	-11.14
3 MHz	QPSK	1711.5	-1.80	1 / 7	25.04	23.24	0.211	30.00	-6.76
		1745.0	-1.80	1 / 7	25.20	23.40	0.219	30.00	-6.60
		1778.5	-1.80	1 / 7	25.17	23.37	0.217	30.00	-6.63
	16-QAM	1778.5	-1.80	1 / 7	24.55	22.75	0.188	30.00	-7.25
	64-QAM	1778.5	-1.80	1 / 7	23.44	21.64	0.146	30.00	-8.36
	256-QAM	1778.5	-1.80	15 / 0	20.72	18.92	0.078	30.00	-11.08
5 MHz	QPSK	1712.5	-1.80	1 / 24	25.19	23.39	0.218	30.00	-6.61
		1745.0	-1.80	1 / 24	25.35	23.55	0.226	30.00	-6.45
		1777.5	-1.80	1 / 12	25.15	23.35	0.216	30.00	-6.65
	16-QAM	1745.0	-1.80	1 / 12	24.72	22.92	0.196	30.00	-7.08
	64-QAM	1745.0	-1.80	1 / 12	23.62	21.82	0.152	30.00	-8.18
	256-QAM	1777.5	-1.80	25 / 0	20.67	18.87	0.077	30.00	-11.13
10 MHz	QPSK	1715.0	-1.80	1 / 49	25.03	23.23	0.210	30.00	-6.77
		1745.0	-1.80	1 / 25	25.19	23.39	0.218	30.00	-6.61
		1775.0	-1.80	1 / 0	25.15	23.35	0.216	30.00	-6.65
	16-QAM	1775.0	-1.80	1 / 49	24.56	22.76	0.189	30.00	-7.24
	64-QAM	1775.0	-1.80	1 / 49	23.49	21.69	0.148	30.00	-8.31
	256-QAM	1775.0	-1.80	50 / 0	20.70	18.90	0.078	30.00	-11.10
15 MHz	QPSK	1717.5	-1.80	1 / 74	25.17	23.37	0.217	30.00	-6.63
		1745.0	-1.80	1 / 37	25.14	23.34	0.216	30.00	-6.66
		1772.5	-1.80	1 / 37	25.11	23.31	0.214	30.00	-6.69
	16-QAM	1772.5	-1.80	1 / 0	24.43	22.63	0.183	30.00	-7.37
	64-QAM	1717.5	-1.80	1 / 37	23.48	21.68	0.147	30.00	-8.32
	256-QAM	1772.5	-1.80	75 / 0	20.61	18.81	0.076	30.00	-11.19
20 MHz	QPSK	1720.0	-1.80	1 / 50	25.01	23.21	0.209	30.00	-6.79
		1745.0	-1.80	1 / 50	25.22	23.42	0.220	30.00	-6.58
		1770.0	-1.80	1 / 50	25.19	23.39	0.218	30.00	-6.61
	16-QAM	1745.0	-1.80	1 / 50	24.41	22.61	0.182	30.00	-7.39
	64-QAM	1745.0	-1.80	1 / 50	23.57	21.77	0.150	30.00	-8.23
	256-QAM	1770.0	-1.80	100 / 0	20.64	18.84	0.077	30.00	-11.16

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 302 of 360

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LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-1.80	1 / 3	25.11	23.31	0.214	30.00	-6.69
		1732.5	-1.80	1 / 3	25.10	23.30	0.214	30.00	-6.70
		1754.3	-1.80	1 / 3	25.21	23.41	0.219	30.00	-6.59
	16-QAM	1732.5	-1.80	1 / 3	24.48	22.68	0.185	30.00	-7.32
	64-QAM	1732.5	-1.80	1 / 3	23.36	21.56	0.143	30.00	-8.44
	256-QAM	1732.5	-1.80	6 / 0	20.69	18.89	0.077	30.00	-11.11
3 MHz	QPSK	1711.5	-1.80	1 / 7	24.94	23.14	0.206	30.00	-6.86
		1732.5	-1.80	1 / 7	25.18	23.38	0.218	30.00	-6.62
		1753.5	-1.80	1 / 7	25.02	23.22	0.210	30.00	-6.78
	16-QAM	1732.5	-1.80	1 / 7	24.49	22.69	0.186	30.00	-7.31
	64-QAM	1732.5	-1.80	1 / 7	23.26	21.46	0.140	30.00	-8.54
	256-QAM	1753.5	-1.80	15 / 0	20.52	18.72	0.074	30.00	-11.28
5 MHz	QPSK	1712.5	-1.80	1 / 24	25.22	23.42	0.220	30.00	-6.58
		1732.5	-1.80	1 / 12	25.32	23.52	0.225	30.00	-6.48
		1752.5	-1.80	1 / 24	25.15	23.35	0.216	30.00	-6.65
	16-QAM	1732.5	-1.80	1 / 12	24.75	22.95	0.197	30.00	-7.05
	64-QAM	1732.5	-1.80	1 / 12	23.63	21.83	0.152	30.00	-8.17
	256-QAM	1732.5	-1.80	25 / 0	20.77	18.97	0.079	30.00	-11.03
10 MHz	QPSK	1715.0	-1.80	1 / 49	25.05	23.25	0.211	30.00	-6.75
		1732.5	-1.80	1 / 25	25.21	23.41	0.219	30.00	-6.59
		1750.0	-1.80	1 / 25	25.14	23.34	0.216	30.00	-6.66
	16-QAM	1732.5	-1.80	1 / 0	24.64	22.84	0.192	30.00	-7.16
	64-QAM	1732.5	-1.80	1 / 49	23.52	21.72	0.149	30.00	-8.28
	256-QAM	1732.5	-1.80	50 / 0	20.72	18.92	0.078	30.00	-11.08
15 MHz	QPSK	1717.5	-1.80	1 / 74	25.15	23.35	0.216	30.00	-6.65
		1732.5	-1.80	1 / 37	25.06	23.26	0.212	30.00	-6.74
		1747.5	-1.80	1 / 37	25.01	23.21	0.209	30.00	-6.79
	16-QAM	1732.5	-1.80	1 / 37	24.53	22.73	0.187	30.00	-7.27
	64-QAM	1732.5	-1.80	1 / 0	23.38	21.58	0.144	30.00	-8.42
	256-QAM	1732.5	-1.80	75 / 0	20.50	18.70	0.074	30.00	-11.30
20 MHz	QPSK	1720.0	-1.80	1 / 50	24.98	23.18	0.208	30.00	-6.82
		1732.5	-1.80	1 / 50	24.83	23.03	0.201	30.00	-6.97
		1745.0	-1.80	1 / 50	25.13	23.33	0.215	30.00	-6.67
	16-QAM	1732.5	-1.80	1 / 50	24.40	22.60	0.182	30.00	-7.40
	64-QAM	1745.0	-1.80	1 / 50	23.46	21.66	0.147	30.00	-8.34
	256-QAM	1745.0	-1.80	100 / 0	20.49	18.69	0.074	30.00	-11.31

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 303 of 360

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-1.80	25 / 0	25.00	23.20	0.209	30.00	-6.80
		1745.0	-1.80	1 / 24	25.11	23.31	0.214	30.00	-6.69
		1777.5	-1.80	1 / 24	25.23	23.43	0.220	30.00	-6.57
	QPSK	1712.5	-1.80	1 / 24	25.04	23.24	0.211	30.00	-6.76
		1745.0	-1.80	1 / 12	25.10	23.30	0.214	30.00	-6.70
		1777.5	-1.80	1 / 1	25.16	23.36	0.217	30.00	-6.64
	16-QAM	1777.5	-1.80	1 / 1	23.98	22.18	0.165	30.00	-7.82
	64-QAM	1777.5	-1.80	25 / 0	23.24	21.44	0.139	30.00	-8.56
	256-QAM	1777.5	-1.80	25 / 0	21.25	19.45	0.088	30.00	-10.55
10 MHz	π/2 BPSK	1715.0	-1.80	1 / 50	25.01	23.21	0.209	30.00	-6.79
		1745.0	-1.80	50 / 0	25.12	23.32	0.215	30.00	-6.68
		1775.0	-1.80	1 / 50	25.24	23.44	0.221	30.00	-6.56
	QPSK	1715.0	-1.80	1 / 50	25.15	23.35	0.216	30.00	-6.65
		1745.0	-1.80	1 / 50	25.23	23.43	0.220	30.00	-6.57
		1775.0	-1.80	1 / 50	25.19	23.39	0.218	30.00	-6.61
	16-QAM	1775.0	-1.80	1 / 50	24.01	22.21	0.166	30.00	-7.79
	64-QAM	1775.0	-1.80	50 / 0	23.21	21.41	0.138	30.00	-8.59
	256-QAM	1775.0	-1.80	50 / 0	21.33	19.53	0.090	30.00	-10.47
15 MHz	π/2 BPSK	1717.5	-1.80	1 / 77	24.96	23.16	0.207	30.00	-6.84
		1745.0	-1.80	75 / 0	25.06	23.26	0.212	30.00	-6.74
		1772.5	-1.80	75 / 0	25.14	23.34	0.216	30.00	-6.66
	QPSK	1717.5	-1.80	1 / 77	25.00	23.20	0.209	30.00	-6.80
		1745.0	-1.80	1 / 1	25.02	23.22	0.210	30.00	-6.78
		1772.5	-1.80	1 / 1	25.13	23.33	0.215	30.00	-6.67
	16-QAM	1772.5	-1.80	1 / 1	23.97	22.17	0.165	30.00	-7.83
	64-QAM	1772.5	-1.80	75 / 0	23.22	21.42	0.139	30.00	-8.58
	256-QAM	1772.5	-1.80	75 / 0	21.19	19.39	0.087	30.00	-10.61
20 MHz	π/2 BPSK	1720.0	-1.80	100 / 0	24.97	23.17	0.207	30.00	-6.83
		1745.0	-1.80	100 / 0	24.98	23.18	0.208	30.00	-6.82
		1770.0	-1.80	100 / 0	25.00	23.20	0.209	30.00	-6.80
	QPSK	1720.0	-1.80	1 / 50	24.89	23.09	0.204	30.00	-6.91
		1745.0	-1.80	1 / 50	24.93	23.13	0.206	30.00	-6.87
		1770.0	-1.80	1 / 1	25.02	23.22	0.210	30.00	-6.78
	16-QAM	1770.0	-1.80	1 / 1	23.80	22.00	0.158	30.00	-8.00
	64-QAM	1770.0	-1.80	100 / 0	23.07	21.27	0.134	30.00	-8.73
	256-QAM	1770.0	-1.80	100 / 0	21.06	19.26	0.084	30.00	-10.74
25 MHz	π/2 BPSK	1722.5	-1.80	128 / 0	25.03	23.23	0.210	30.00	-6.77
		1745.0	-1.80	128 / 0	25.09	23.29	0.213	30.00	-6.71
		1767.5	-1.80	128 / 0	25.11	23.31	0.214	30.00	-6.69
	QPSK	1722.5	-1.80	1 / 64	24.97	23.17	0.207	30.00	-6.83
		1745.0	-1.80	1 / 131	24.98	23.18	0.208	30.00	-6.82
		1767.5	-1.80	1 / 64	25.03	23.23	0.210	30.00	-6.77
	16-QAM	1722.5	-1.80	1 / 64	23.83	22.03	0.160	30.00	-7.97
	64-QAM	1767.5	-1.80	128 / 0	23.20	21.40	0.138	30.00	-8.60
	256-QAM	1767.5	-1.80	128 / 0	21.16	19.36	0.086	30.00	-10.64
30 MHz	π/2 BPSK	1725.0	-1.80	1 / 158	25.08	23.28	0.213	30.00	-6.72
		1745.0	-1.80	1 / 158	25.15	23.35	0.216	30.00	-6.65
		1765.0	-1.80	160 / 0	25.16	23.36	0.217	30.00	-6.64
	QPSK	1725.0	-1.80	1 / 158	25.24	23.44	0.221	30.00	-6.56
		1745.0	-1.80	1 / 158	25.13	23.33	0.215	30.00	-6.67
		1765.0	-1.80	1 / 80	25.17	23.37	0.217	30.00	-6.63
	16-QAM	1765.0	-1.80	1 / 80	23.99	22.19	0.166	30.00	-7.81
	64-QAM	1765.0	-1.80	160 / 0	23.23	21.43	0.139	30.00	-8.57
	256-QAM	1765.0	-1.80	160 / 0	21.20	19.40	0.087	30.00	-10.60
35 MHz	π/2 BPSK	1727.5	-1.80	1 / 90	25.24	23.44	0.221	30.00	-6.56
		1745.0	-1.80	1 / 90	25.13	23.33	0.215	30.00	-6.67
		1762.5	-1.80	180 / 0	25.18	23.38	0.218	30.00	-6.62
	QPSK	1725.0	-1.80	1 / 1	24.94	23.14	0.206	30.00	-6.86
		1745.0	-1.80	1 / 1	24.96	23.16	0.207	30.00	-6.84
		1765.0	-1.80	1 / 1	25.15	23.35	0.216	30.00	-6.65
	16-QAM	1725.0	-1.80	1 / 1	23.74	21.94	0.156	30.00	-8.06
	64-QAM	1765.0	-1.80	180 / 0	23.18	21.38	0.137	30.00	-8.62
	256-QAM	1765.0	-1.80	180 / 0	21.16	19.36	0.086	30.00	-10.64
40 MHz	π/2 BPSK	1730.0	-1.80	1 / 108	25.03	23.23	0.210	30.00	-6.77
		1745.0	-1.80	1 / 214	25.13	23.33	0.215	30.00	-6.67
		1760.0	-1.80	216 / 0	25.15	23.35	0.216	30.00	-6.65
	QPSK	1730.0	-1.80	1 / 1	25.03	23.23	0.210	30.00	-6.77
		1745.0	-1.80	1 / 214	25.22	23.42	0.220	30.00	-6.58
		1760.0	-1.80	1 / 108	25.07	23.27	0.212	30.00	-6.73
	16-QAM	1745.0	-1.80	1 / 214	24.05	22.25	0.168	30.00	-7.75
	64-QAM	1760.0	-1.80	216 / 0	23.15	21.35	0.136	30.00	-8.65
	256-QAM	1760.0	-1.80	216 / 0	21.18	19.38	0.087	30.00	-10.62
45 MHz	π/2 BPSK	1732.5	-1.80	240 / 0	25.01	23.21	0.209	30.00	-6.79
		1745.0	-1.80	240 / 0	25.11	23.31	0.214	30.00	-6.69
		1757.5	-1.80	240 / 0	25.16	23.36	0.217	30.00	-6.64
	QPSK	1732.5	-1.80	1 / 120	25.08	23.28	0.213	30.00	-6.72
		1745.0	-1.80	1 / 1	25.12	23.32	0.215	30.00	-6.68
		1757.5	-1.80	1 / 120	25.10	23.30	0.214	30.00	-6.70
	16-QAM	1757.5	-1.80	1 / 120	23.94	22.14	0.164	30.00	-7.86
	64-QAM	1757.5	-1.80	240 / 0	23.15	21.35	0.136	30.00	-8.65
	256-QAM	1757.5	-1.80	240 / 0	21.16	19.36	0.086	30.00	-10.64

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 304 of 360

NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1697.5	-2.60	1 / 1	25.22	22.62	0.183	30.00	-7.38
		1702.5	-2.60	25 / 0	25.21	22.61	0.182	30.00	-7.39
		1707.5	-2.60	1 / 1	25.18	22.58	0.181	30.00	-7.42
	QPSK	1697.5	-2.60	1 / 1	25.26	22.66	0.185	30.00	-7.34
		1702.5	-2.60	1 / 24	25.23	22.63	0.183	30.00	-7.37
		1707.5	-2.60	1 / 24	25.25	22.65	0.184	30.00	-7.35
	16-QAM	1702.5	-2.60	1 / 24	24.04	21.44	0.139	30.00	-8.56
	64-QAM	1707.5	-2.60	25 / 0	23.30	20.70	0.117	30.00	-9.30
	256-QAM	1702.5	-2.60	25 / 0	21.28	18.68	0.074	30.00	-11.32
10 MHz	$\pi/2$ BPSK	1700.0	-2.60	1 / 1	25.27	22.67	0.185	30.00	-7.33
		1702.5	-2.60	50 / 0	25.25	22.65	0.184	30.00	-7.35
		1705.0	-2.60	50 / 0	25.26	22.66	0.185	30.00	-7.34
	QPSK	1700.0	-2.60	1 / 1	25.25	22.65	0.184	30.00	-7.35
		1702.5	-2.60	1 / 50	25.20	22.60	0.182	30.00	-7.40
		1705.0	-2.60	1 / 25	25.24	22.64	0.184	30.00	-7.36
	16-QAM	1705.0	-2.60	1 / 1	24.04	21.44	0.139	30.00	-8.56
	64-QAM	1700.0	-2.60	50 / 0	23.32	20.72	0.118	30.00	-9.28
	256-QAM	1705.0	-2.60	50 / 0	21.33	18.73	0.075	30.00	-11.27
15 MHz	$\pi/2$ BPSK	1702.5	-2.60	75 / 0	25.17	22.57	0.181	30.00	-7.43
	QPSK	1702.5	-2.60	1 / 77	25.05	22.45	0.176	30.00	-7.55
	16-QAM	1702.5	-2.60	1 / 1	23.88	21.28	0.134	30.00	-8.72
	64-QAM	1702.5	-2.60	75 / 0	23.13	20.53	0.113	30.00	-9.47
	256-QAM	1702.5	-2.60	75 / 0	21.06	18.46	0.070	30.00	-11.54

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

FCC ID: BCGA3462	 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	25.42	-1.80	23.62	0.230	30.00	-6.38
1732.60	WCDMA1700	25.49	-1.80	23.69	0.234	30.00	-6.31
1752.60	WCDMA1700	25.44	-1.80	23.64	0.231	30.00	-6.36

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.4 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	-1.10	1 / 3	25.09	23.99	0.251	30.00	-6.01
		1745.0	-1.10	1 / 3	25.37	24.27	0.267	30.00	-5.73
		1779.3	-1.10	1 / 3	25.24	24.14	0.259	30.00	-5.86
	16-QAM	1779.3	-1.10	1 / 3	24.55	23.45	0.221	30.00	-6.55
	64-QAM	1745.0	-1.10	1 / 3	23.47	22.37	0.173	30.00	-7.63
	256-QAM	1745.0	-1.10	6 / 0	20.67	19.57	0.091	30.00	-10.43
3 MHz	QPSK	1711.5	-1.10	1 / 7	25.06	23.96	0.249	30.00	-6.04
		1745.0	-1.10	1 / 7	25.31	24.21	0.264	30.00	-5.79
		1778.5	-1.10	1 / 7	25.20	24.10	0.257	30.00	-5.90
	16-QAM	1778.5	-1.10	1 / 7	24.66	23.56	0.227	30.00	-6.44
	64-QAM	1745.0	-1.10	1 / 7	23.50	22.40	0.174	30.00	-7.60
	256-QAM	1745.0	-1.10	15 / 0	20.81	19.71	0.094	30.00	-10.29
5 MHz	QPSK	1712.5	-1.10	1 / 24	25.25	24.15	0.260	30.00	-5.85
		1745.0	-1.10	1 / 24	25.44	24.34	0.272	30.00	-5.66
		1777.5	-1.10	1 / 0	25.25	24.15	0.260	30.00	-5.85
	16-QAM	1745.0	-1.10	1 / 24	24.73	23.63	0.231	30.00	-6.37
	64-QAM	1745.0	-1.10	1 / 0	23.74	22.64	0.184	30.00	-7.36
	256-QAM	1745.0	-1.10	25 / 0	20.81	19.71	0.094	30.00	-10.29
10 MHz	QPSK	1715.0	-1.10	1 / 25	25.18	24.08	0.256	30.00	-5.92
		1745.0	-1.10	1 / 49	25.35	24.25	0.266	30.00	-5.75
		1775.0	-1.10	1 / 25	25.25	24.15	0.260	30.00	-5.85
	16-QAM	1775.0	-1.10	1 / 25	24.62	23.52	0.225	30.00	-6.48
	64-QAM	1745.0	-1.10	1 / 49	23.55	22.45	0.176	30.00	-7.55
	256-QAM	1745.0	-1.10	50 / 0	20.79	19.69	0.093	30.00	-10.31
15 MHz	QPSK	1717.5	-1.10	1 / 74	25.20	24.10	0.257	30.00	-5.90
		1745.0	-1.10	1 / 37	25.18	24.08	0.256	30.00	-5.92
		1772.5	-1.10	1 / 37	25.16	24.06	0.255	30.00	-5.94
	16-QAM	1745.0	-1.10	1 / 74	24.63	23.53	0.225	30.00	-6.47
	64-QAM	1717.5	-1.10	1 / 74	23.52	22.42	0.175	30.00	-7.58
	256-QAM	1772.5	-1.10	75 / 0	20.68	19.58	0.091	30.00	-10.42
20 MHz	QPSK	1720.0	-1.10	1 / 50	25.20	24.10	0.257	30.00	-5.90
		1745.0	-1.10	1 / 50	25.19	24.09	0.256	30.00	-5.91
		1770.0	-1.10	1 / 50	24.94	23.84	0.242	30.00	-6.16
	16-QAM	1720.0	-1.10	1 / 50	24.49	23.39	0.218	30.00	-6.61
	64-QAM	1745.0	-1.10	1 / 50	23.48	22.38	0.173	30.00	-7.62
	256-QAM	1745.0	-1.10	100 / 0	20.65	19.55	0.090	30.00	-10.45

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 307 of 360

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LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-1.10	1 / 3	25.11	24.01	0.252	30.00	-5.99
		1732.5	-1.10	1 / 3	25.25	24.15	0.260	30.00	-5.85
		1754.3	-1.10	1 / 3	25.37	24.27	0.267	30.00	-5.73
	16-QAM	1732.5	-1.10	1 / 3	24.60	23.50	0.224	30.00	-6.50
	64-QAM	1732.5	-1.10	1 / 3	23.65	22.55	0.180	30.00	-7.45
	256-QAM	1732.5	-1.10	6 / 0	20.73	19.63	0.092	30.00	-10.37
3 MHz	QPSK	1711.5	-1.10	1 / 7	25.01	23.91	0.246	30.00	-6.09
		1732.5	-1.10	1 / 7	25.28	24.18	0.262	30.00	-5.82
		1753.5	-1.10	1 / 7	25.16	24.06	0.255	30.00	-5.94
	16-QAM	1732.5	-1.10	1 / 7	24.71	23.61	0.230	30.00	-6.39
	64-QAM	1732.5	-1.10	1 / 7	23.45	22.35	0.172	30.00	-7.65
	256-QAM	1732.5	-1.10	15 / 0	20.83	19.73	0.094	30.00	-10.27
5 MHz	QPSK	1712.5	-1.10	1 / 24	25.23	24.13	0.259	30.00	-5.87
		1732.5	-1.10	1 / 0	25.43	24.33	0.271	30.00	-5.67
		1752.5	-1.10	1 / 24	25.20	24.10	0.257	30.00	-5.90
	16-QAM	1732.5	-1.10	1 / 0	24.85	23.75	0.237	30.00	-6.25
	64-QAM	1732.5	-1.10	1 / 0	23.80	22.70	0.186	30.00	-7.30
	256-QAM	1732.5	-1.10	25 / 0	20.81	19.71	0.094	30.00	-10.29
10 MHz	QPSK	1715.0	-1.10	1 / 25	25.13	24.03	0.253	30.00	-5.97
		1732.5	-1.10	1 / 25	25.31	24.21	0.264	30.00	-5.79
		1750.0	-1.10	1 / 25	25.20	24.10	0.257	30.00	-5.90
	16-QAM	1732.5	-1.10	1 / 25	24.70	23.60	0.229	30.00	-6.40
	64-QAM	1715.0	-1.10	1 / 25	23.53	22.43	0.175	30.00	-7.57
	256-QAM	1732.5	-1.10	50 / 0	20.82	19.72	0.094	30.00	-10.28
15 MHz	QPSK	1717.5	-1.10	1 / 37	25.19	24.09	0.256	30.00	-5.91
		1732.5	-1.10	1 / 37	25.28	24.18	0.262	30.00	-5.82
		1747.5	-1.10	1 / 37	25.14	24.04	0.254	30.00	-5.96
	16-QAM	1732.5	-1.10	1 / 37	24.66	23.56	0.227	30.00	-6.44
	64-QAM	1717.5	-1.10	1 / 37	23.53	22.43	0.175	30.00	-7.57
	256-QAM	1732.5	-1.10	75 / 0	20.74	19.64	0.092	30.00	-10.36
20 MHz	QPSK	1720.0	-1.10	1 / 50	25.01	23.91	0.246	30.00	-6.09
		1732.5	-1.10	1 / 50	25.37	24.27	0.267	30.00	-5.73
		1745.0	-1.10	1 / 50	25.22	24.12	0.258	30.00	-5.88
	16-QAM	1732.5	-1.10	1 / 50	24.73	23.63	0.231	30.00	-6.37
	64-QAM	1732.5	-1.10	1 / 50	23.63	22.53	0.179	30.00	-7.47
	256-QAM	1732.5	-1.10	100 / 0	20.71	19.61	0.091	30.00	-10.39

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 308 of 360

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-1.10	25 / 0	25.08	23.98	0.250	30.00	-6.02
		1745.0	-1.10	25 / 0	25.16	24.06	0.255	30.00	-5.94
		1777.5	-1.10	25 / 0	25.13	24.03	0.253	30.00	-5.97
	QPSK	1712.5	-1.10	1 / 24	25.10	24.00	0.251	30.00	-6.00
		1745.0	-1.10	1 / 24	25.17	24.07	0.255	30.00	-5.93
		1777.5	-1.10	1 / 12	25.09	23.99	0.251	30.00	-6.01
	16-QAM	1745.0	-1.10	1 / 12	24.00	22.90	0.195	30.00	-7.10
	64-QAM	1745.0	-1.10	25 / 0	23.23	22.13	0.163	30.00	-7.87
	256-QAM	1745.0	-1.10	25 / 0	21.25	20.15	0.104	30.00	-9.85
10 MHz	π/2 BPSK	1715.0	-1.10	50 / 0	25.19	24.09	0.256	30.00	-5.91
		1745.0	-1.10	50 / 0	25.24	24.14	0.259	30.00	-5.86
		1775.0	-1.10	50 / 0	25.17	24.07	0.255	30.00	-5.93
	QPSK	1715.0	-1.10	1 / 50	25.12	24.02	0.252	30.00	-5.98
		1745.0	-1.10	1 / 1	25.14	24.04	0.254	30.00	-5.96
		1775.0	-1.10	1 / 1	25.18	24.08	0.256	30.00	-5.92
	16-QAM	1775.0	-1.10	1 / 1	24.11	23.01	0.200	30.00	-6.99
	64-QAM	1745.0	-1.10	50 / 0	23.19	22.09	0.162	30.00	-7.91
	256-QAM	1715.0	-1.10	50 / 0	21.24	20.14	0.103	30.00	-9.86
15 MHz	π/2 BPSK	1717.5	-1.10	1 / 36	25.09	23.99	0.251	30.00	-6.01
		1745.0	-1.10	75 / 0	25.14	24.04	0.254	30.00	-5.96
		1772.5	-1.10	1 / 1	25.06	23.96	0.249	30.00	-6.04
	QPSK	1717.5	-1.10	1 / 77	25.09	23.99	0.251	30.00	-6.01
		1745.0	-1.10	1 / 1	25.10	24.00	0.251	30.00	-6.00
		1772.5	-1.10	1 / 1	25.16	24.06	0.255	30.00	-5.94
	16-QAM	1717.5	-1.10	1 / 77	23.95	22.85	0.193	30.00	-7.15
	64-QAM	1745.0	-1.10	75 / 0	23.19	22.09	0.162	30.00	-7.91
	256-QAM	1745.0	-1.10	75 / 0	21.16	20.06	0.101	30.00	-9.94
20 MHz	π/2 BPSK	1720.0	-1.10	1 / 104	25.10	24.00	0.251	30.00	-6.00
		1745.0	-1.10	100 / 0	25.16	24.06	0.255	30.00	-5.94
		1770.0	-1.10	100 / 0	25.08	23.98	0.250	30.00	-6.02
	QPSK	1720.0	-1.10	1 / 50	25.06	23.96	0.249	30.00	-6.04
		1745.0	-1.10	1 / 104	25.13	24.03	0.253	30.00	-5.97
		1770.0	-1.10	1 / 1	25.08	23.98	0.250	30.00	-6.02
	16-QAM	1745.0	-1.10	1 / 104	23.95	22.85	0.193	30.00	-7.15
	64-QAM	1745.0	-1.10	100 / 0	23.20	22.10	0.162	30.00	-7.90
	256-QAM	1745.0	-1.10	100 / 0	21.19	20.09	0.102	30.00	-9.91
25 MHz	π/2 BPSK	1722.5	-1.10	128 / 0	25.07	23.97	0.249	30.00	-6.03
		1745.0	-1.10	128 / 0	25.17	24.07	0.255	30.00	-5.93
		1767.5	-1.10	128 / 0	25.13	24.03	0.253	30.00	-5.97
	QPSK	1722.5	-1.10	1 / 64	25.01	23.91	0.246	30.00	-6.09
		1745.0	-1.10	1 / 64	25.04	23.94	0.248	30.00	-6.06
		1767.5	-1.10	1 / 64	25.09	23.99	0.251	30.00	-6.01
	16-QAM	1745.0	-1.10	1 / 64	23.87	22.77	0.189	30.00	-7.23
	64-QAM	1745.0	-1.10	128 / 0	23.25	22.15	0.164	30.00	-7.85
	256-QAM	1745.0	-1.10	128 / 0	21.22	20.12	0.103	30.00	-9.88
30 MHz	π/2 BPSK	1725.0	-1.10	160 / 0	25.12	24.02	0.252	30.00	-5.98
		1745.0	-1.10	160 / 0	25.18	24.08	0.256	30.00	-5.92
		1765.0	-1.10	1 / 1	25.14	24.04	0.254	30.00	-5.96
	QPSK	1725.0	-1.10	1 / 80	25.24	24.14	0.259	30.00	-5.86
		1745.0	-1.10	1 / 80	25.14	24.04	0.254	30.00	-5.96
		1765.0	-1.10	1 / 1	25.12	24.02	0.252	30.00	-5.98
	16-QAM	1765.0	-1.10	1 / 80	24.00	22.90	0.195	30.00	-7.10
	64-QAM	1745.0	-1.10	160 / 0	23.20	22.10	0.162	30.00	-7.90
	256-QAM	1745.0	-1.10	160 / 0	21.23	20.13	0.103	30.00	-9.87
35 MHz	π/2 BPSK	1727.5	-1.10	180 / 0	25.09	23.99	0.251	30.00	-6.01
		1745.0	-1.10	180 / 0	25.16	24.06	0.255	30.00	-5.94
		1762.5	-1.10	180 / 0	25.14	24.04	0.254	30.00	-5.96
	QPSK	1725.0	-1.10	1 / 1	25.01	23.91	0.246	30.00	-6.09
		1745.0	-1.10	1 / 1	25.17	24.07	0.255	30.00	-5.93
		1765.0	-1.10	1 / 1	25.05	23.95	0.248	30.00	-6.05
	16-QAM	1725.0	-1.10	1 / 1	23.90	22.80	0.191	30.00	-7.20
	64-QAM	1765.0	-1.10	180 / 0	23.19	22.09	0.162	30.00	-7.91
	256-QAM	1765.0	-1.10	180 / 0	21.18	20.08	0.102	30.00	-9.92
40 MHz	π/2 BPSK	1730.0	-1.10	216 / 0	25.14	24.04	0.254	30.00	-5.96
		1745.0	-1.10	216 / 0	25.22	24.12	0.258	30.00	-5.88
		1760.0	-1.10	216 / 0	25.16	24.06	0.255	30.00	-5.94
	QPSK	1730.0	-1.10	1 / 1	25.13	24.03	0.253	30.00	-5.97
		1745.0	-1.10	1 / 108	25.26	24.16	0.261	30.00	-5.84
		1760.0	-1.10	1 / 1	25.07	23.97	0.249	30.00	-6.03
	16-QAM	1760.0	-1.10	1 / 108	23.99	22.89	0.195	30.00	-7.11
	64-QAM	1745.0	-1.10	216 / 0	23.24	22.14	0.164	30.00	-7.86
	256-QAM	1745.0	-1.10	216 / 0	21.25	20.15	0.104	30.00	-9.85
45 MHz	π/2 BPSK	1732.5	-1.10	240 / 0	25.12	24.02	0.252	30.00	-5.98
		1745.0	-1.10	240 / 0	25.23	24.13	0.259	30.00	-5.87
		1757.5	-1.10	240 / 0	25.16	24.06	0.255	30.00	-5.94
	QPSK	1732.5	-1.10	1 / 120	25.10	24.00	0.251	30.00	-6.00
		1745.0	-1.10	1 / 240	25.11	24.01	0.252	30.00	-5.99
		1757.5	-1.10	1 / 1	25.20	24.10	0.257	30.00	-5.90
	16-QAM	1732.5	-1.10	1 / 240	24.06	22.96	0.198	30.00	-7.04
	64-QAM	1745.0	-1.10	240 / 0	23.20	22.10	0.162	30.00	-7.90
	256-QAM	1745.0	-1.10	240 / 0	21.23	20.13	0.103	30.00	-9.87

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 309 of 360

NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1697.5	-2.90	25 / 0	25.14	22.24	0.167	30.00	-7.76
		1702.5	-2.90	25 / 0	25.14	22.24	0.167	30.00	-7.76
		1707.5	-2.90	25 / 0	25.20	22.30	0.170	30.00	-7.70
	QPSK	1697.5	-2.90	1 / 24	25.19	22.29	0.169	30.00	-7.71
		1702.5	-2.90	1 / 1	25.13	22.23	0.167	30.00	-7.77
		1707.5	-2.90	1 / 1	25.29	22.39	0.173	30.00	-7.61
	16-QAM	1707.5	-2.90	1 / 24	24.10	21.20	0.132	30.00	-8.80
	64-QAM	1707.5	-2.90	25 / 0	23.22	20.32	0.108	30.00	-9.68
	256-QAM	1707.5	-2.90	25 / 0	21.24	18.34	0.068	30.00	-11.66
10 MHz	$\pi/2$ BPSK	1700.0	-2.90	50 / 0	25.24	22.34	0.171	30.00	-7.66
		1702.5	-2.90	1 / 1	25.25	22.35	0.172	30.00	-7.65
		1705.0	-2.90	1 / 1	25.27	22.37	0.173	30.00	-7.63
	QPSK	1700.0	-2.90	1 / 1	25.18	22.28	0.169	30.00	-7.72
		1702.5	-2.90	1 / 50	25.16	22.26	0.168	30.00	-7.74
		1705.0	-2.90	1 / 25	25.20	22.30	0.170	30.00	-7.70
	16-QAM	1705.0	-2.90	1 / 50	24.05	21.15	0.130	30.00	-8.85
	64-QAM	1700.0	-2.90	50 / 0	23.22	20.32	0.108	30.00	-9.68
15 MHz	256-QAM	1700.0	-2.90	50 / 0	21.30	18.40	0.069	30.00	-11.60
	$\pi/2$ BPSK	1702.5	-2.90	1 / 36	25.09	22.19	0.166	30.00	-7.81
	QPSK	1702.5	-2.90	1 / 1	25.12	22.22	0.167	30.00	-7.78
	16-QAM	1702.5	-2.90	1 / 77	23.95	21.05	0.127	30.00	-8.95
	64-QAM	1702.5	-2.90	75 / 0	23.14	20.24	0.106	30.00	-9.76
	256-QAM	1702.5	-2.90	75 / 0	21.12	18.22	0.066	30.00	-11.78

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 310 of 360

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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	25.41	-1.10	24.31	0.270	30.00	-5.69
1732.60	WCDMA1700	25.50	-1.10	24.40	0.275	30.00	-5.60
1752.60	WCDMA1700	25.47	-1.10	24.37	0.274	30.00	-5.63

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

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 311 of 360

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

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Test Setup

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

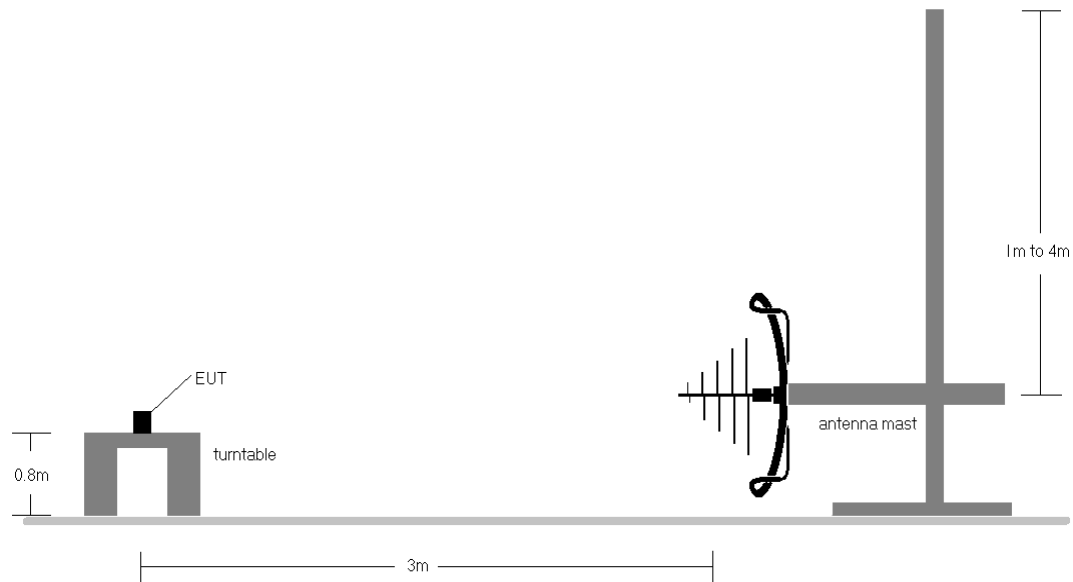


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

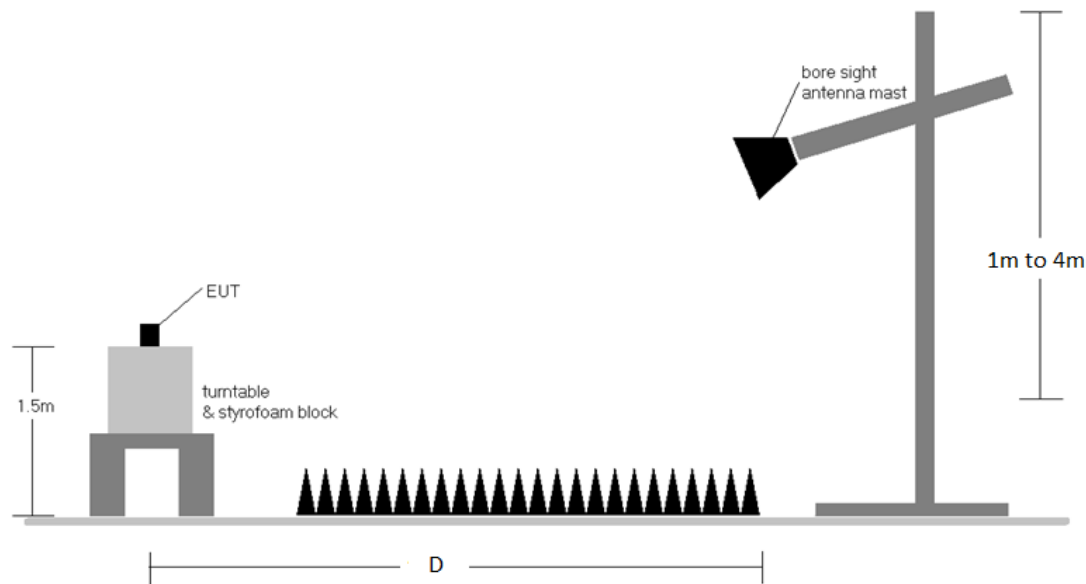


Figure 7-12. Test Instrument & Measurement Setup > 1GHz

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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".
10. Pre-scan plots have been reported for the highest power antenna while measurements have been reported for all antennas.

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7.7.1 Antenna 4 – 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	-	-	-78.61	4.06	32.46	-62.80	-13.00	-49.80
5160.0	H	-	-	-80.27	7.41	34.14	-61.11	-13.00	-48.11
6880.0	H	-	-	-81.34	10.49	36.15	-59.11	-13.00	-46.11

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-78.71	4.01	32.30	-62.96	-13.00	-49.96
5235.0	H	-	-	-80.51	7.49	33.98	-61.28	-13.00	-48.28
6980.0	V	-	-	-81.29	10.49	36.19	-59.07	-13.00	-46.07

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	V	-	-	-78.72	4.27	32.55	-62.71	-13.00	-49.71
5310.0	V	-	-	-80.43	7.47	34.04	-61.22	-13.00	-48.22
7080.0	V	-	-	-81.28	10.28	36.00	-59.26	-13.00	-46.26

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

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NR Band n66

Bandwidth (MHz):	45
Frequency (MHz):	1732.5
RB / Offset:	1 / 120

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]
3465.0	H	-	-	-78.52	4.06	32.54	-62.72	-13.00	-49.72
5197.5	V	-	-	-80.17	7.42	34.26	-61.00	-13.00	-48.00
6930.0	V	-	-	-81.74	10.49	35.75	-59.51	-13.00	-46.51

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

Bandwidth (MHz):	45
Frequency (MHz):	1745.0
RB / Offset:	1 / 120

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	-	-	-78.48	4.01	32.52	-62.74	-13.00	-49.74
5235.0	V	-	-	-80.38	7.49	34.10	-61.15	-13.00	-48.15
6980.0	V	-	-	-81.50	10.49	35.99	-59.27	-13.00	-46.27

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

Bandwidth (MHz):	45
Frequency (MHz):	1757.5
RB / Offset:	1 / 120

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]
3515.0	V	-	-	-78.52	4.01	32.49	-62.77	-13.00	-49.77
5272.5	V	-	-	-80.41	7.43	34.03	-61.23	-13.00	-48.23
7030.0	V	-	-	-81.42	10.20	35.78	-59.47	-13.00	-46.47

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

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LTE Band 71

Bandwidth (MHz):	20
Frequency (MHz):	673.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	V	-	-	-77.44	-1.66	27.90	-67.35	-13.00	-54.35
2019.0	V	-	-	-77.29	1.39	31.10	-64.16	-13.00	-51.16
2692.0	V	-	-	-78.26	2.45	31.19	-64.07	-13.00	-51.07

Table 7-40. 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	-	-	-77.41	-1.58	28.01	-67.25	-13.00	-54.25
2041.5	H	-	-	-77.39	1.36	30.97	-64.29	-13.00	-51.29
2722.0	H	-	-	-78.14	2.90	31.76	-63.50	-13.00	-50.50

Table 7-41. 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	V	-	-	-77.56	-1.71	27.73	-67.53	-13.00	-54.53
2064.0	V	-	-	-77.98	1.55	30.57	-64.69	-13.00	-51.69
2752.0	V	-	-	-78.23	2.91	31.68	-63.58	-13.00	-50.58

Table 7-42. Antenna 4 Radiated Spurious Data (LTE Band 71 – High Channel)

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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	-	-	-77.47	-1.58	27.94	-67.32	-13.00	-54.32
2019.0	H	-	-	-77.59	1.39	30.80	-64.46	-13.00	-51.46
2692.0	V	-	-	-78.03	2.45	31.42	-63.84	-13.00	-50.84

Table 7-43. 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	V	-	-	-77.25	-1.71	28.04	-67.22	-13.00	-54.22
2041.5	H	-	-	-77.75	1.55	30.80	-64.46	-13.00	-51.46
2722.0	H	-	-	-78.08	2.91	31.82	-63.43	-13.00	-50.43

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

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

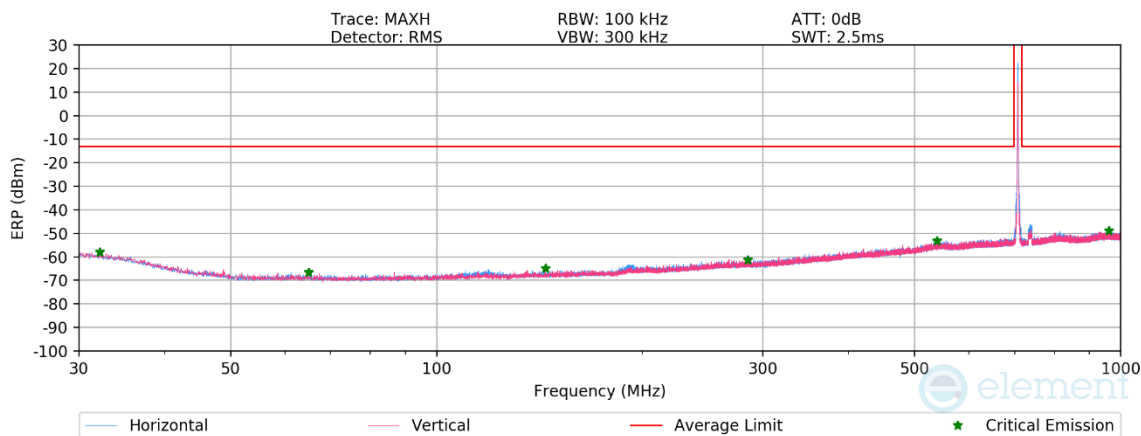
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	-	-	-77.43	-1.66	27.92	-67.34	-13.00	-54.34
2064.0	H	-	-	-77.68	1.39	30.72	-64.54	-13.00	-51.54
2752.0	H	-	-	-77.98	2.91	31.92	-63.33	-13.00	-50.33

Table 7-45. Antenna 4 Radiated Spurious Data (NR Band n71 – High Channel)

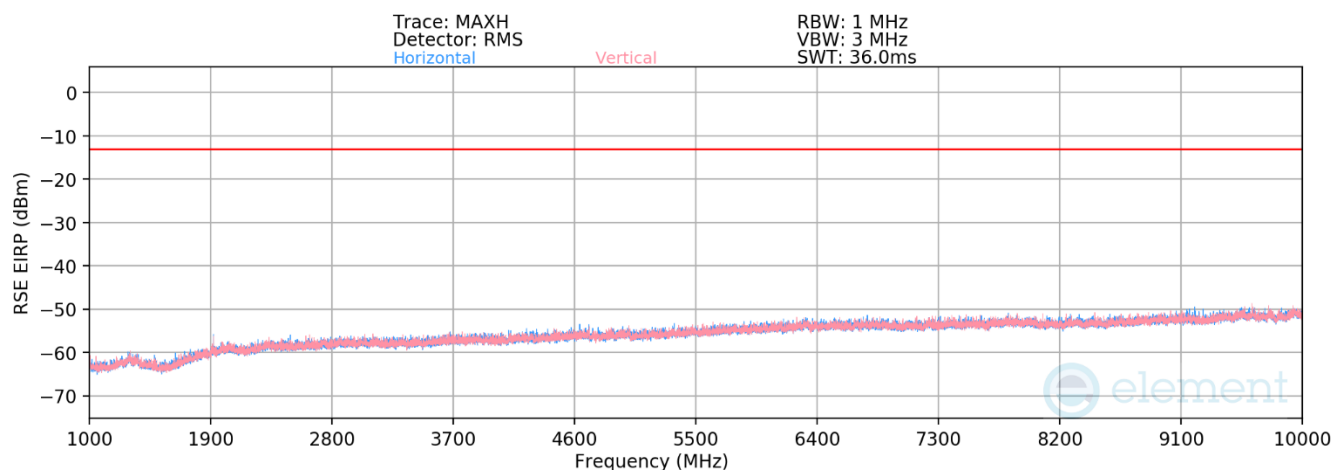
FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17



Plot 7-492. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 12/17)



Plot 7-493. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 12/17)

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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	-	-	-77.65	-1.74	27.61	-67.64	-13.00	-54.64
2112.0	H	-	-	-78.07	1.39	30.32	-64.93	-13.00	-51.93
2816.0	H	-	-	-78.09	2.90	31.81	-63.45	-13.00	-50.45

Table 7-46. 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	-	-	-77.28	-2.61	27.11	-68.15	-13.00	-55.15
2122.5	V	-	-	-78.23	1.39	30.16	-65.10	-13.00	-52.10
2830.0	V	-	-	-78.19	2.84	31.65	-63.61	-13.00	-50.61

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

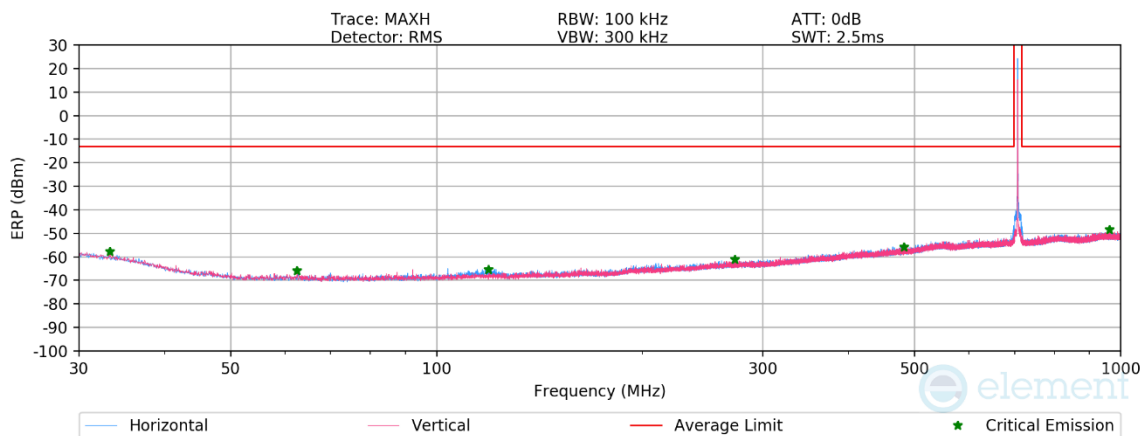
Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

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	-	-	-75.76	-2.63	28.61	-66.64	-13.00	-53.64
2133.0	V	-	-	-77.99	1.13	30.14	-65.12	-13.00	-52.12
2844.0	V	-	-	-78.18	2.90	31.72	-63.54	-13.00	-50.54

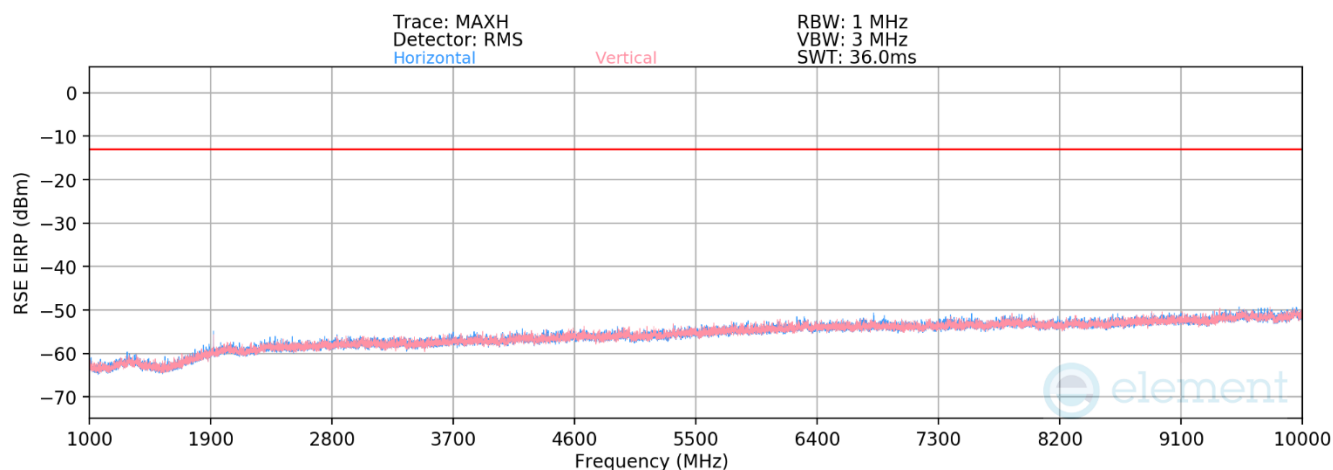
Table 7-48. Antenna 4 Radiated Spurious Data (LTE Band 12/17 – High Channel)

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NR Band n12



Plot 7-494. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n12)



Plot 7-495. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n12)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	V	-	-	-77.36	-2.60	27.04	-68.22	-13.00	-55.22
2119.5	V	-	-	-77.90	1.13	30.23	-65.02	-13.00	-52.02
2826.0	H	-	-	-78.26	2.90	31.65	-63.61	-13.00	-50.61

Table 7-49. 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	-	-	-77.36	-2.60	27.04	-68.22	-13.00	-55.22
2122.5	V	-	-	-77.87	1.13	30.27	-64.99	-13.00	-51.99
2830.0	V	-	-	-77.90	2.68	31.78	-63.48	-13.00	-50.48

Table 7-50. 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	-	-	-77.12	-2.63	27.25	-68.01	-13.00	-55.01
2125.5	V	-	-	-77.86	1.13	30.27	-64.98	-13.00	-51.98
2834.0	H	-	-	-78.13	2.84	31.70	-63.55	-13.00	-50.55

Table 7-51. Antenna 4 Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: BCGA3462	 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	V	243	359	-77.69	-3.23	26.08	-69.18	-40.00	-29.18
2338.5	H	-	-	-78.02	2.53	31.50	-63.76	-13.00	-50.76
3118.0	V	-	-	-78.95	4.08	32.13	-63.13	-13.00	-50.13
3897.5	H	-	-	-78.93	5.01	33.08	-62.17	-13.00	-49.17

Table 7-52. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	V	-	-	-77.78	-3.23	25.99	-69.27	-40.00	-29.27
2346.0	H	-	-	-78.00	2.38	31.38	-63.87	-13.00	-50.87
3128.0	H	-	-	-78.88	4.08	32.21	-63.05	-13.00	-50.05

Table 7-53. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	V	-	-	-77.84	-3.23	25.93	-69.33	-40.00	-29.33
2353.5	H	-	-	-78.01	2.53	31.52	-63.74	-13.00	-50.74
3138.0	V	-	-	-78.44	3.74	32.29	-62.96	-13.00	-49.96

Table 7-54. Antenna 4 Radiated Spurious Data (LTE Band 13 – High Channel)

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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	-	-	-79.07	4.53	32.46	-62.79	-13.00	-49.79
5100.0	V	-	-	-80.26	7.17	33.91	-61.35	-13.00	-48.35
6800.0	V	-	-	-81.21	10.31	36.10	-59.16	-13.00	-46.16

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

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 36

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	-	-	-79.34	4.52	32.18	-63.08	-13.00	-50.08
5107.5	V	-	-	-80.39	7.21	33.82	-61.44	-13.00	-48.44
6810.0	V	-	-	-81.31	10.54	36.23	-59.03	-13.00	-46.03

Table 7-56. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	V	-	-	-78.54	4.03	32.49	-62.77	-13.00	-49.77
5115.0	V	-	-	-79.97	7.21	34.23	-61.02	-13.00	-48.02
6820.0	V	-	-	-81.10	10.31	36.21	-59.05	-13.00	-46.05

Table 7-57. Antenna 4 Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA3462	 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	V	-	-	-78.78	3.73	31.95	-63.31	-13.00	-50.31
5137.2	V	-	-	-79.40	7.58	35.17	-60.08	-13.00	-47.08
6849.6	V	-	-	-80.25	10.78	37.53	-57.73	-13.00	-44.73

Table 7-58. 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	H	-	-	-78.74	4.06	32.33	-62.93	-13.00	-49.93
5197.8	H	-	-	-80.65	7.41	33.76	-61.50	-13.00	-48.50
6930.4	V	-	-	-81.55	10.49	35.94	-59.32	-13.00	-46.32

Table 7-59. 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	-	-	-78.44	3.96	32.51	-62.74	-13.00	-49.74
5257.8	V	-	-	-80.44	7.43	34.00	-61.26	-13.00	-48.26
7010.4	H	-	-	-81.90	10.53	35.62	-59.64	-13.00	-46.64

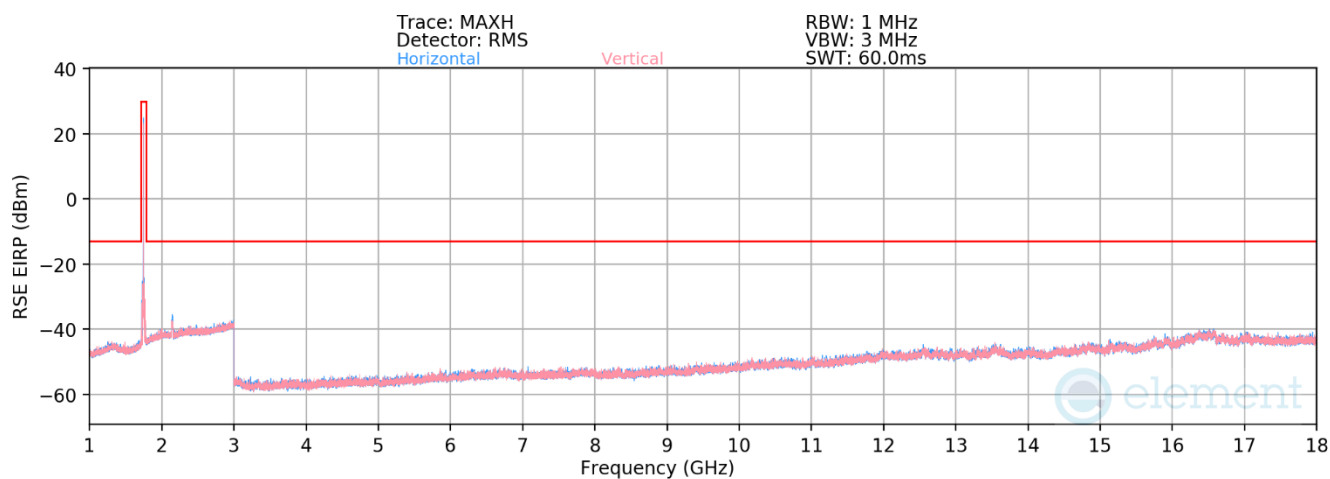
Table 7-60. Antenna 4 Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.2 Antenna 2 – Radiated Spurious Emission Measurement

LTE Band 66/4



Plot 7-496. Antenna 2 Radiated Spurious Emission above 1GHz (LTE Band 66/4)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-78.64	4.13	32.49	-62.77	-13.00	-49.77
5160.0	V	-	-	-80.22	7.42	34.20	-61.05	-13.00	-48.05
6880.0	H	-	-	-81.59	10.49	35.90	-59.36	-13.00	-46.36

Table 7-61. Antenna 2 Radiated Spurious Data (LTE Band 66/4 – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-78.62	4.01	32.39	-62.87	-13.00	-49.87
5235.0	V	-	-	-80.37	7.49	34.12	-61.14	-13.00	-48.14
6980.0	H	-	-	-81.38	10.49	36.11	-59.15	-13.00	-46.15

Table 7-62. Antenna 2 Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

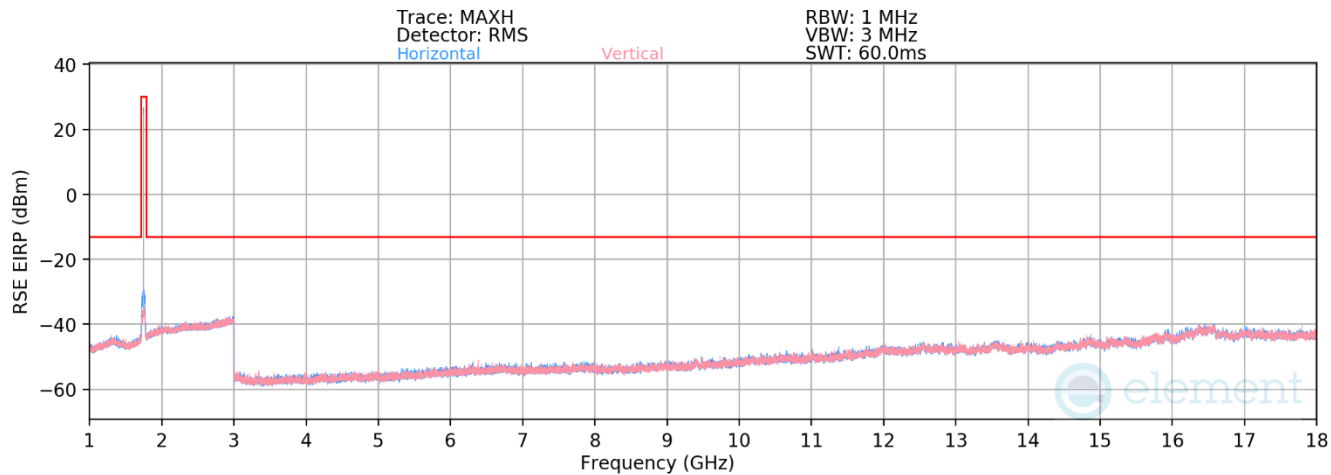
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	H	-	-	-78.74	4.27	32.53	-62.73	-13.00	-49.73
5310.0	H	-	-	-80.17	7.47	34.30	-60.96	-13.00	-47.96
7080.0	V	-	-	-81.21	10.28	36.07	-59.19	-13.00	-46.19

Table 7-63. Antenna 2 Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66



Plot 7-497. Antenna 2 Radiated Spurious Emission above 1GHz (NR Band n66)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	45
Frequency (MHz):	1732.5
RB / Offset:	1 / 120

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]
3465.0	H	-	-	-78.77	4.06	32.29	-62.97	-13.00	-49.97
5197.5	H	-	-	-80.47	7.42	33.95	-61.30	-13.00	-48.30
6930.0	V	-	-	-81.57	10.49	35.92	-59.33	-13.00	-46.33

Table 7-64. Antenna 2 Radiated Spurious Data (NR Band n66 – Low Channel)

Bandwidth (MHz):	45
Frequency (MHz):	1745.0
RB / Offset:	1 / 120

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-78.90	4.11	32.21	-63.04	-13.00	-50.04
5235.0	V	-	-	-80.45	7.49	34.04	-61.22	-13.00	-48.22
6980.0	V	-	-	-81.62	10.49	35.86	-59.39	-13.00	-46.39

Table 7-65. Antenna 2 Radiated Spurious Data (NR Band n66 – Mid Channel)

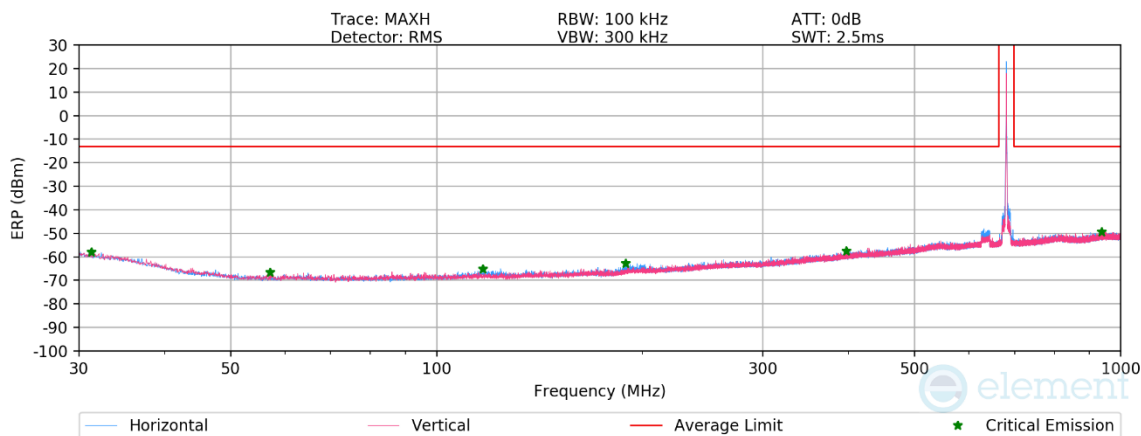
Bandwidth (MHz):	45
Frequency (MHz):	1757.5
RB / Offset:	1 / 120

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]
3515.0	V	-	-	-78.69	4.01	32.31	-62.95	-13.00	-49.95
5272.5	V	-	-	-80.40	7.43	34.04	-61.22	-13.00	-48.22
7030.0	V	-	-	-81.68	10.38	35.69	-59.56	-13.00	-46.56

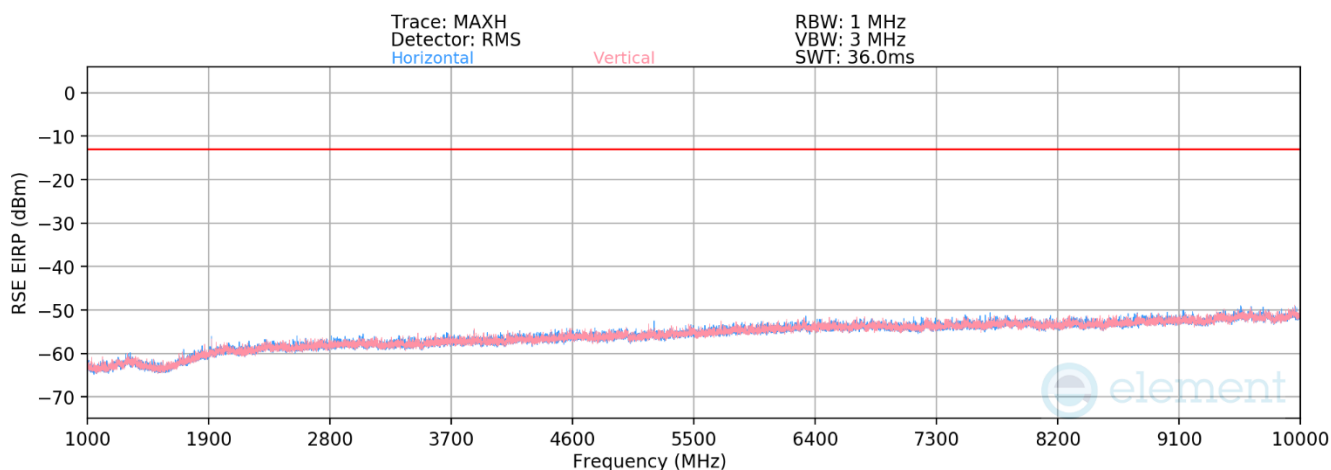
Table 7-66. Antenna 2 Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 71



Plot 7-498. Antenna 2 Radiated Spurious Emission below 1GHz (LTE Band 71)



Plot 7-499. Antenna 2 Radiated Spurious Emission above 1GHz (LTE Band 71)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100082-09-R1.BCG	Test Dates: 7/15/2025 - 11/11/2025	EUT Type: Tablet Device	Page 330 of 360

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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	-	-	-77.34	-1.66	28.01	-67.25	-13.00	-54.25
2019.0	H	-	-	-77.62	1.39	30.78	-64.48	-13.00	-51.48
2692.0	H	-	-	-78.22	2.67	31.45	-63.80	-13.00	-50.80

Table 7-67. Antenna 2 Radiated Spurious Data (LTE Band 71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	-	-	-77.26	-1.71	28.03	-67.23	-13.00	-54.23
2041.5	V	-	-	-77.50	1.39	30.89	-64.37	-13.00	-51.37
2722.0	V	-	-	-77.88	2.91	32.03	-63.23	-13.00	-50.23

Table 7-68. Antenna 2 Radiated Spurious Data (LTE Band 71 – Mid Channel)

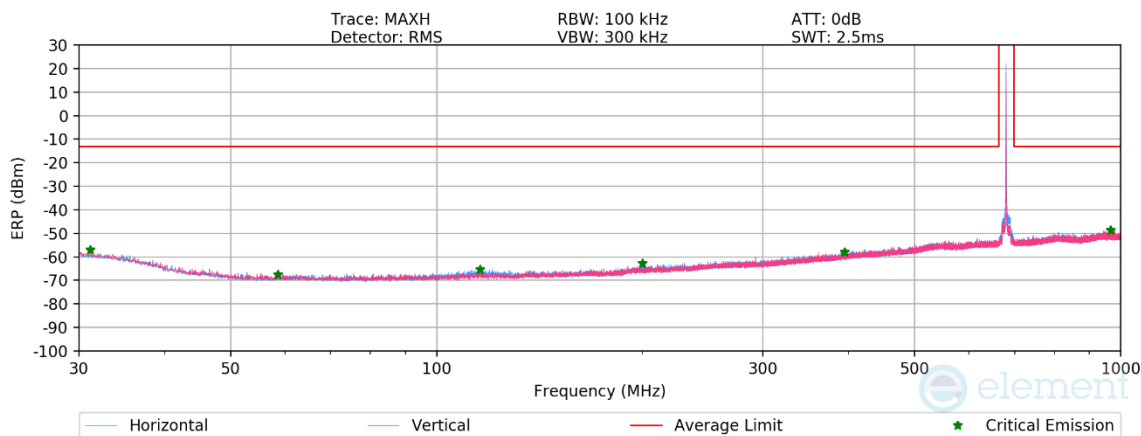
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	V	-	-	-77.49	-1.71	27.80	-67.46	-13.00	-54.46
2064.0	H	-	-	-77.78	1.39	30.61	-64.64	-13.00	-51.64
2752.0	V	-	-	-78.16	2.91	31.75	-63.51	-13.00	-50.51

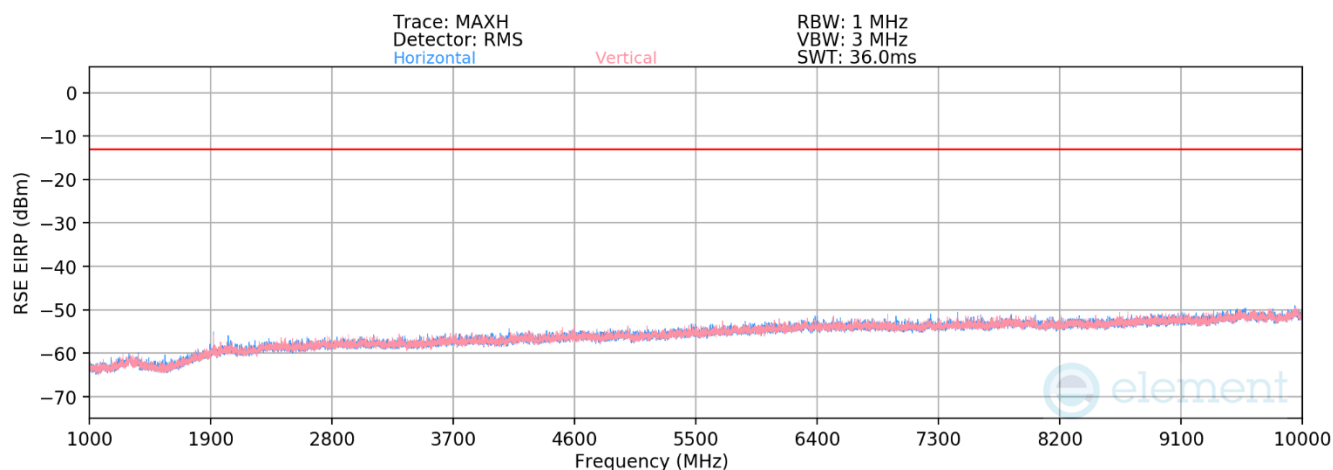
Table 7-69. Antenna 2 Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71



Plot 7-500. Antenna 2 Radiated Spurious Emission below 1GHz (NR Band n71)



Plot 7-501. Antenna 2 Radiated Spurious Emission above 1GHz (NR Band n71)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-77.37	-1.58	28.04	-67.22	-13.00	-54.22
2019.0	V	-	-	-76.67	1.36	31.69	-63.57	-13.00	-50.57
2692.0	V	-	-	-78.39	2.67	31.28	-63.98	-13.00	-50.98

Table 7-70. Antenna 2 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	V	383	19	-73.75	-1.71	31.54	-63.72	-13.00	-50.72
2041.5	H	-	-	-77.66	1.36	30.70	-64.56	-13.00	-51.56
2722.0	V	-	-	-78.09	2.91	31.81	-63.44	-13.00	-50.44
3402.5	H	-	-	-78.75	3.66	31.91	-63.34	-13.00	-50.34

Table 7-71. Antenna 2 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	363	14	-75.03	-1.74	30.23	-65.03	-13.00	-52.03
2064.0	V	-	-	-77.81	1.39	30.58	-64.68	-13.00	-51.68
2752.0	V	-	-	-77.96	2.91	31.95	-63.31	-13.00	-50.31
3440.0	V	-	-	-78.78	3.74	31.96	-63.30	-13.00	-50.30

Table 7-72. Antenna 2 Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA3462	 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	V	-	-	-78.27	-1.74	26.99	-68.26	-13.00	-55.26
2112.0	V	-	-	-77.89	1.07	30.19	-65.07	-13.00	-52.07
2816.0	V	-	-	-77.91	2.68	31.76	-63.49	-13.00	-50.49

Table 7-73. Antenna 2 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	-	-	-78.23	-1.71	27.07	-68.19	-13.00	-55.19
2122.5	H	-	-	-77.91	1.13	30.22	-65.04	-13.00	-52.04
2830.0	H	-	-	-78.19	2.90	31.71	-63.55	-13.00	-50.55

Table 7-74. Antenna 2 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	-	-	-75.73	-2.63	28.64	-66.62	-13.00	-53.62
2133.0	V	-	-	-77.86	1.07	30.21	-65.05	-13.00	-52.05
2844.0	H	-	-	-77.90	2.84	31.94	-63.32	-13.00	-50.32

Table 7-75. Antenna 2 Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA3462	 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	V	-	-	-77.36	-2.60	27.04	-68.21	-13.00	-55.21
2119.5	V	-	-	-77.84	1.13	30.29	-64.96	-13.00	-51.96
2826.0	V	-	-	-78.08	2.68	31.60	-63.66	-13.00	-50.66

Table 7-76. Antenna 2 Radiated Spurious Data (NR Band n12 – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	V	-	-	-77.25	-2.63	27.12	-68.14	-13.00	-55.14
2122.5	V	-	-	-77.88	1.07	30.20	-65.06	-13.00	-52.06
2830.0	H	-	-	-78.05	2.90	31.85	-63.41	-13.00	-50.41

Table 7-77. Antenna 2 Radiated Spurious Data (NR Band n12 – Mid Channel)

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

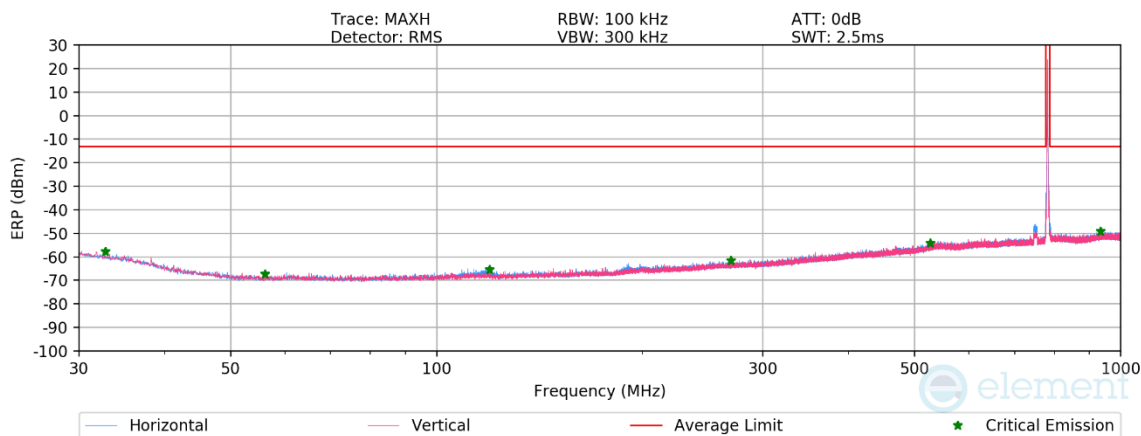
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.0	H	-	-	-77.12	-2.63	27.25	-68.01	-13.00	-55.01
2125.5	V	-	-	-77.93	1.07	30.14	-65.11	-13.00	-52.11
2834.0	H	-	-	-78.40	2.93	31.53	-63.73	-13.00	-50.73

Table 7-78. Antenna 2 Radiated Spurious Data (NR Band n12 – High Channel)

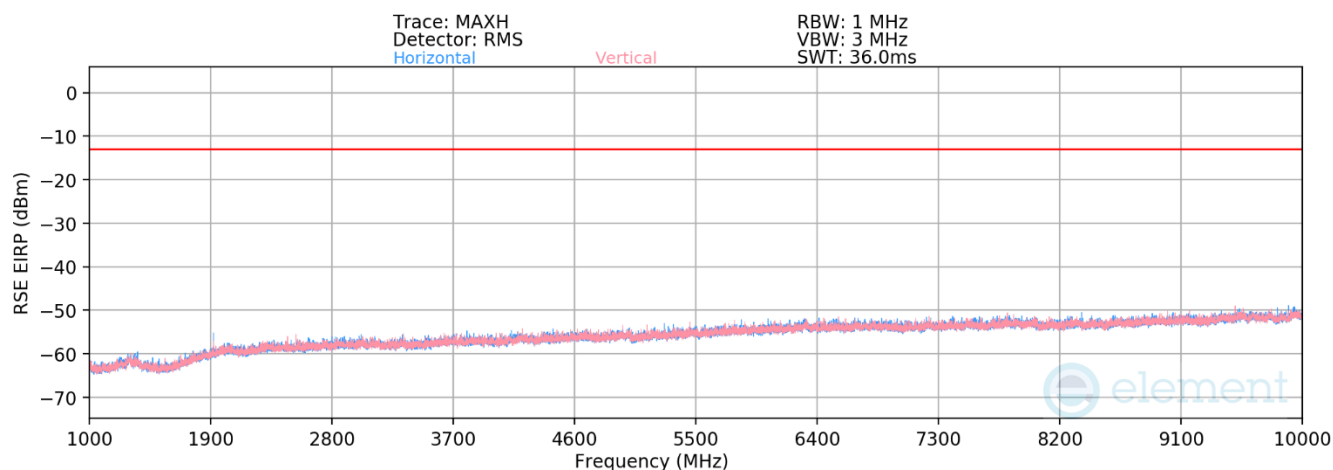
FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13



Plot 7-502. Antenna 2 Radiated Spurious Emission below 1GHz (LTE Band 13)



Plot 7-503. Antenna 2 Radiated Spurious Emission above 1GHz (LTE Band 13)

FCC ID: BCGA3462		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	V	-	-	-77.67	-3.23	26.10	-69.16	-40.00	-29.16
2338.5	V	-	-	-78.11	2.53	31.42	-63.84	-13.00	-50.84
3118.0	H	-	-	-78.71	4.08	32.37	-62.89	-13.00	-49.89

Table 7-79. Antenna 2 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	V	-	-	-77.72	-3.23	26.05	-69.21	-40.00	-29.21
2346.0	V	-	-	-78.11	2.53	31.41	-63.84	-13.00	-50.84
3128.0	V	-	-	-78.92	4.08	32.16	-63.10	-13.00	-50.10

Table 7-80. Antenna 2 Radiated Spurious Data (LTE Band 13 – Mid Channel)

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

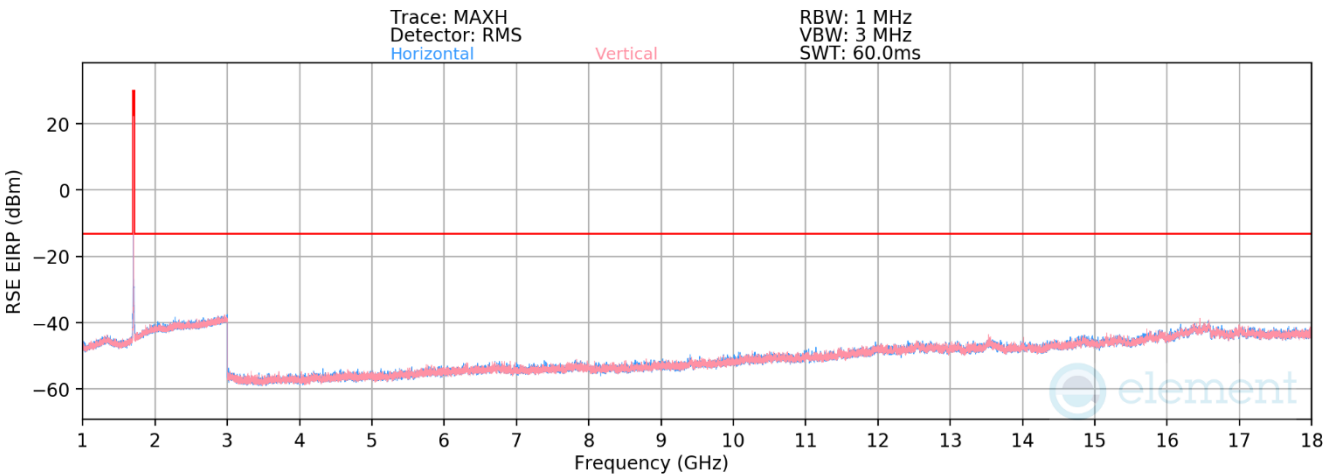
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	V	244	-	-77.41	-3.23	26.36	-68.90	-40.00	-28.90
2353.5	H	-	-	-78.21	2.53	31.31	-63.94	-13.00	-50.94
3138.0	H	-	-	-78.53	3.74	32.20	-63.05	-13.00	-50.05

Table 7-81. Antenna 2 Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n70



Plot 7-504. Antenna 2 Radiated Spurious Emission above 1GHz (NR Band n70)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-79.21	4.53	32.32	-62.94	-13.00	-49.94
5100.0	H	-	-	-80.36	7.21	33.85	-61.41	-13.00	-48.41
6800.0	V	-	-	-81.15	10.31	36.16	-59.10	-13.00	-46.10

Table 7-82. Antenna 2 Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 36

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	-	-	-78.31	4.03	32.72	-62.54	-13.00	-49.54
5107.5	V	-	-	-80.27	7.21	33.93	-61.32	-13.00	-48.32
6810.0	H	-	-	-81.46	10.54	36.08	-59.18	-13.00	-46.18

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

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

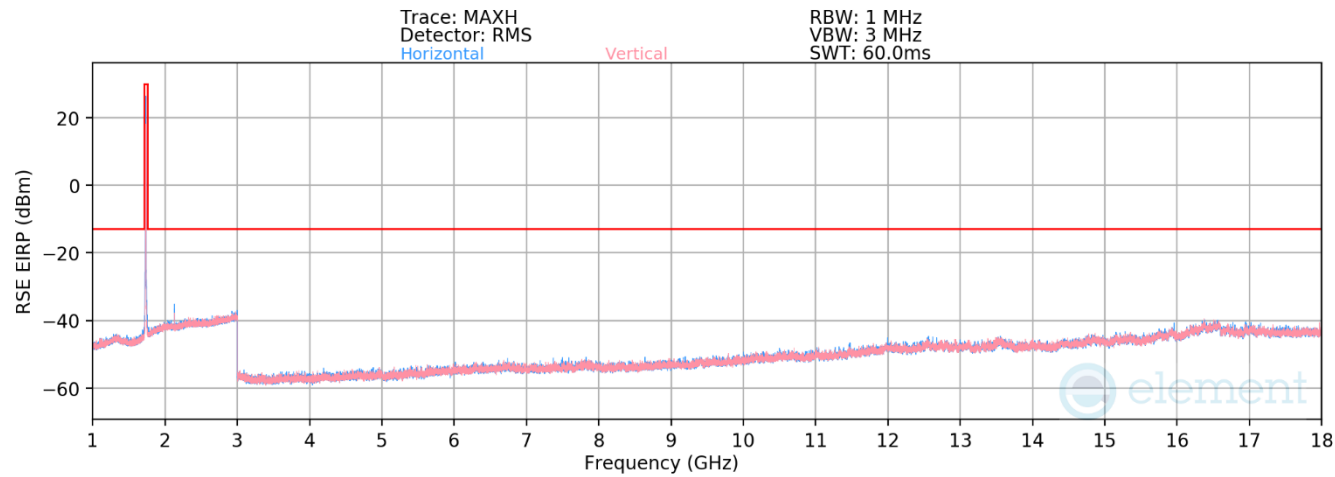
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	V	-	-	-79.17	4.52	32.35	-62.91	-13.00	-49.91
5115.0	H	-	-	-80.30	7.21	33.91	-61.35	-13.00	-48.35
6820.0	V	-	-	-81.24	10.31	36.07	-59.19	-13.00	-46.19

Table 7-84. Antenna 2 Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA AWS



Plot 7-505. Antenna 2 Radiated Spurious Emission above 1GHz (WCDMA AWS)

FCC ID: BCGA3462	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-78.78	4.06	32.28	-62.98	-13.00	-49.98
5137.2	V	-	-	-80.29	7.23	33.95	-61.31	-13.00	-48.31
6849.6	V	-	-	-81.52	10.26	35.74	-59.51	-13.00	-46.51

Table 7-85. Antenna 2 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	-	-	-78.76	4.13	32.37	-62.89	-13.00	-49.89
5197.8	H	-	-	-80.55	7.41	33.86	-61.39	-13.00	-48.39
6930.4	H	-	-	-81.67	10.49	35.83	-59.43	-13.00	-46.43

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-78.86	4.01	32.15	-63.11	-13.00	-50.11
5257.8	V	-	-	-78.37	4.01	32.64	-62.62	-13.00	-49.62
7010.4	H	-	-	-81.81	10.53	35.71	-59.54	-13.00	-46.54

Table 7-87. Antenna 2 Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.3 Antenna 3b – Radiated Spurious Emission Measurement

LTE Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	-	-	-78.55	4.06	32.51	-62.74	-13.00	-49.74
5160.0	H	-	-	-80.39	7.41	34.02	-61.24	-13.00	-48.24
6880.0	V	-	-	-81.21	10.21	35.99	-59.27	-13.00	-46.27

Table 7-88. Antenna 3b 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	-	-	-78.59	4.11	32.52	-62.74	-13.00	-49.74
5235.0	V	-	-	-80.33	7.43	34.10	-61.16	-13.00	-48.16
6980.0	V	-	-	-81.62	10.49	35.87	-59.39	-13.00	-46.39

Table 7-89. Antenna 3b 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	-	-	-78.81	4.27	32.45	-62.81	-13.00	-49.81
5310.0	H	-	-	-80.29	7.50	34.20	-61.06	-13.00	-48.06
7080.0	V	-	-	-81.24	10.28	36.04	-59.22	-13.00	-46.22

Table 7-90. Antenna 3b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66

Bandwidth (MHz):	45
Frequency (MHz):	1732.5
RB / Offset:	1 / 120

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]
3465.0	V	-	-	-78.70	4.06	32.36	-62.89	-13.00	-49.89
5197.5	H	-	-	-80.51	7.41	33.90	-61.35	-13.00	-48.35
6930.0	H	-	-	-81.73	10.49	35.76	-59.49	-13.00	-46.49

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

Bandwidth (MHz):	45
Frequency (MHz):	1745.0
RB / Offset:	1 / 120

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-78.65	4.01	32.35	-62.90	-13.00	-49.90
5235.0	H	-	-	-80.44	7.43	33.99	-61.26	-13.00	-48.26
6980.0	V	-	-	-81.59	10.49	35.90	-59.36	-13.00	-46.36

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

Bandwidth (MHz):	45
Frequency (MHz):	1757.5
RB / Offset:	1 / 120

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]
3515.0	H	-	-	-78.52	4.01	32.49	-62.77	-13.00	-49.77
5272.5	H	-	-	-80.56	7.43	33.88	-61.38	-13.00	-48.38
7030.0	V	-	-	-81.54	10.38	35.84	-59.42	-13.00	-46.42

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

FCC ID: BCGA3462	 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	-	-	-78.80	4.05	32.25	-63.01	-13.00	-50.01
5100.0	V	-	-	-80.28	7.21	33.92	-61.34	-13.00	-48.34
6800.0	V	-	-	-81.06	10.31	36.25	-59.01	-13.00	-46.01

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

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 36

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	-	-	-78.26	-28.74	0.00	-95.26	-13.00	-82.26
5107.5	V	242	178	-77.66	-26.99	2.35	-92.91	-13.00	-79.91
6810.0	H	-	-	-81.48	-25.18	0.34	-94.92	-13.00	-81.92
8512.5	H	-	-	-81.02	-25.44	0.53	-94.72	-13.00	-81.72
10215.0	V	-	-	-83.23	-22.62	1.15	-94.11	-13.00	-81.11

Table 7-95. Antenna 3b 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	V	-	-	-78.73	4.05	32.32	-62.94	-13.00	-49.94
5115.0	V	-	-	-80.29	7.21	33.91	-61.34	-13.00	-48.34
6820.0	H	-	-	-81.47	10.54	36.07	-59.19	-13.00	-46.19

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

FCC ID: BCGA3462	 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-78.60	3.71	32.11	-63.15	-13.00	-50.15
5137.2	H	-	-	-79.99	8.06	35.07	-60.18	-13.00	-47.18
6849.6	H	-	-	-80.19	10.61	37.42	-57.84	-13.00	-44.84

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-78.49	3.71	32.22	-63.04	-13.00	-50.04
5197.8	V	-	-	-79.55	8.22	35.67	-59.59	-13.00	-46.59
6930.4	H	-	-	-79.98	10.96	37.98	-57.28	-13.00	-44.28

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-78.73	3.84	32.11	-63.15	-13.00	-50.15
5257.8	H	-	-	-79.73	8.89	36.16	-59.10	-13.00	-46.10
7010.4	V	-	-	-79.82	10.36	37.54	-57.72	-13.00	-44.72

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

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7.7.4 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	-	-	-78.42	4.13	32.70	-62.55	-13.00	-49.55
5160.0	V	-	-	-80.09	7.23	34.14	-61.11	-13.00	-48.11
6880.0	H	-	-	-81.21	10.21	35.99	-59.26	-13.00	-46.26

Table 7-100. 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	V	-	-	-78.71	4.11	32.40	-62.86	-13.00	-49.86
5235.0	H	-	-	-80.34	7.49	34.15	-61.11	-13.00	-48.11
6980.0	H	-	-	-81.49	10.53	36.04	-59.22	-13.00	-46.22

Table 7-101. 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	-	-	-78.79	4.09	32.31	-62.95	-13.00	-49.95
5310.0	H	-	-	-80.28	7.47	34.19	-61.06	-13.00	-48.06
7080.0	V	-	-	-81.33	10.28	35.95	-59.31	-13.00	-46.31

Table 7-102. Antenna 1b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66

Bandwidth (MHz):	45
Frequency (MHz):	1732.5
RB / Offset:	1 / 120

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]
3465.0	H	-	-	-78.53	4.06	32.53	-62.73	-13.00	-49.73
5197.5	V	-	-	-80.39	7.42	34.03	-61.23	-13.00	-48.23
6930.0	V	-	-	-81.40	10.49	36.09	-59.16	-13.00	-46.16

Table 7-103. Antenna 1b Radiated Spurious Data (NR Band n66 – Low Channel)

Bandwidth (MHz):	45
Frequency (MHz):	1745.0
RB / Offset:	1 / 120

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	-	-	-78.81	4.11	32.30	-62.96	-13.00	-49.96
5235.0	H	-	-	-80.50	7.49	33.99	-61.27	-13.00	-48.27
6980.0	H	-	-	-81.69	10.53	35.83	-59.43	-13.00	-46.43

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

Bandwidth (MHz):	45
Frequency (MHz):	1757.5
RB / Offset:	1 / 120

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]
3515.0	V	-	-	-78.80	4.01	32.21	-63.05	-13.00	-50.05
5272.5	V	-	-	-80.46	7.43	33.97	-61.29	-13.00	-48.29
7030.0	H	-	-	-81.55	10.38	35.83	-59.43	-13.00	-46.43

Table 7-105. Antenna 1b Radiated Spurious Data (NR Band n66 – High Channel)

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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	-	-	-78.59	4.05	32.46	-62.80	-13.00	-49.80
5100.0	V	-	-	-80.18	7.21	34.03	-61.23	-13.00	-48.23
6800.0	V	-	-	-81.45	10.54	36.09	-59.16	-13.00	-46.16

Table 7-106. Antenna 1b Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 36

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	-	-	-78.77	4.03	32.25	-63.00	-13.00	-50.00
5107.5	V	-	-	-80.16	6.95	33.79	-61.47	-13.00	-48.47
6810.0	V	-	-	-81.36	10.54	36.18	-59.08	-13.00	-46.08

Table 7-107. 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	-	-	-78.75	4.05	32.30	-62.96	-13.00	-49.96
5115.0	H	-	-	-80.31	7.21	33.90	-61.36	-13.00	-48.36
6820.0	H	-	-	-80.89	10.33	36.44	-58.82	-13.00	-45.82

Table 7-108. Antenna 1b Radiated Spurious Data (NR Band n70 – High Channel)

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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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-78.95	3.71	31.76	-63.50	-13.00	-50.50
5137.2	V	-	-	-80.10	8.06	34.97	-60.29	-13.00	-47.29
6849.6	V	-	-	-80.28	10.78	37.50	-57.76	-13.00	-44.76

Table 7-109. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	V	-	-	-78.62	3.79	32.17	-63.09	-13.00	-50.09
5197.8	V	-	-	-79.57	8.15	35.58	-59.68	-13.00	-46.68
6930.4	H	-	-	-80.00	10.77	37.77	-57.49	-13.00	-44.49

Table 7-110. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-78.79	3.84	32.05	-63.21	-13.00	-50.21
5257.8	V	-	-	-79.41	8.39	35.98	-59.28	-13.00	-46.28
7010.4	H	-	-	-79.90	10.36	37.46	-57.79	-13.00	-44.79

Table 7-111. Antenna 1b Radiated Spurious Data (WCDMA AWS – High Channel)

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7.8 Frequency Stability / Temperature Variation

\$2.1055, \$27.54

Test Overview and Limit

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

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

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

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

Test Setup

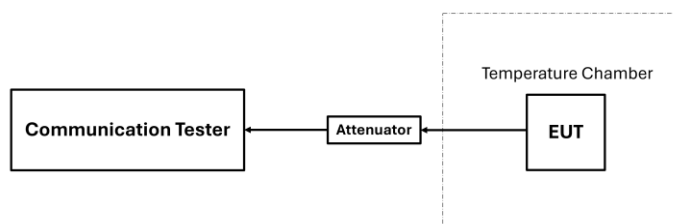


Figure 7-13. LTE Test Instrument & Measurement Setup

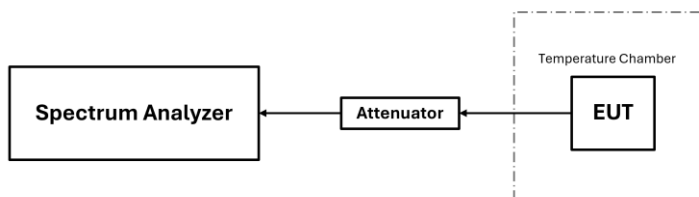


Figure 7-14. FR1 Test Instrument & Measurement Setup

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	1.71057217	-0.00057217
		- 20	1.70998477	0.00001523
		- 10	1.70977920	0.00022080
		0	1.71107234	-0.00107234
		+ 10	1.71170355	-0.00170355
		+ 20 (Ref)	1.71090903	-0.00090903
		+ 30	1.71026287	-0.00026287
		+ 40	1.70956634	0.00043366
		+ 50	1.71059726	-0.00059726
Battery Endpoint	3.40	+ 20	1.71042482	-0.00042482

Table 7-112. 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	1.77983185	-0.00016815
		- 20	1.77921613	-0.00078387
		- 10	1.77995694	-0.00004306
		0	1.77932734	-0.00067266
		+ 10	1.77966875	-0.00033125
		+ 20 (Ref)	1.77902081	-0.00097919
		+ 30	1.77949459	-0.00050541
		+ 40	1.77975725	-0.00024275
		+ 50	1.77911358	-0.00088642
Battery Endpoint	3.40	+ 20	1.77959289	-0.00040711

Table 7-113. 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	0.66322544	-0.00022544
		- 20	0.66395837	-0.00095837
		- 10	0.66313028	-0.00013028
		0	0.66378639	-0.00078639
		+ 10	0.66351678	-0.00051678
		+ 20 (Ref)	0.66333684	-0.00033684
		+ 30	0.66388277	-0.00088277
		+ 40	0.66309770	-0.00009770
		+ 50	0.66361752	-0.00061752
Battery Endpoint	3.40	+ 20	0.66346530	-0.00046530

Table 7-114. 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	0.69786758	-0.00013242
		- 20	0.69724422	-0.00075578
		- 10	0.69790159	-0.00009841
		0	0.69714094	-0.00085906
		+ 10	0.69759459	-0.00040541
		+ 20 (Ref)	0.69742983	-0.00057017
		+ 30	0.69772139	-0.00027861
		+ 40	0.69704912	-0.00095088
		+ 50	0.69736506	-0.00063494
Battery Endpoint	3.40	+ 20	0.69798163	-0.00001837

Table 7-115. 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	0.69973187	-0.00073187
		- 20	0.69915862	-0.00015862
		- 10	0.69994920	-0.00094920
		0	0.69951485	-0.00051485
		+ 10	0.69909444	-0.00094444
		+ 20 (Ref)	0.69967892	-0.00067892
		+ 30	0.69931575	-0.00031575
		+ 40	0.69990861	-0.00090861
		+ 50	0.69947779	-0.00047779
Battery Endpoint	3.40	+ 20	0.69926449	-0.00026449

Table 7-116. 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	0.71583046	-0.00016954
		- 20	0.71527991	-0.00072009
		- 10	0.71568745	-0.00031255
		0	0.71503570	-0.00096430
		+ 10	0.71596453	-0.00003547
		+ 20 (Ref)	0.71542130	-0.00057870
		+ 30	0.71587709	-0.00012291
		+ 40	0.71515959	-0.00084041
		+ 50	0.71553605	-0.00046395
Battery Endpoint	3.40	+ 20	0.71571158	-0.00028842

Table 7-117. 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	0.77730965	-0.00030965
		- 20	0.77789981	-0.00089981
		- 10	0.77704973	-0.00004973
		0	0.77769277	-0.00069277
		+ 10	0.77753191	-0.00053191
		+ 20 (Ref)	0.77711245	-0.00011245
		+ 30	0.77776003	-0.00076003
		+ 40	0.77724920	-0.00024920
		+ 50	0.77794588	-0.00094588
Battery Endpoint	3.40	+ 20	0.77747562	-0.00047562

Table 7-118. 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	0.78684333	-0.00015667
		- 20	0.78640092	-0.00059908
		- 10	0.78621390	-0.00078610
		0	0.78697894	-0.00002106
		+ 10	0.78645205	-0.00054795
		+ 20 (Ref)	0.78610893	-0.00089107
		+ 30	0.78678359	-0.00021641
		+ 40	0.78662898	-0.00037102
		+ 50	0.78693022	-0.00006978
Battery Endpoint	3.40	+ 20	0.78653303	-0.00046697

Table 7-119. 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	1.71018044	-0.00018044
		- 20	1.71096484	-0.00096484
		- 10	1.71041747	-0.00041747
		0	1.71061003	-0.00061003
		+ 10	1.71008420	-0.00008420
		+ 20 (Ref)	1.71074164	-0.00074164
		+ 30	1.71036057	-0.00036057
		+ 40	1.71088938	-0.00088938
		+ 50	1.71025840	-0.00025840
Battery Endpoint	3.40	+ 20	1.71052465	-0.00052465

Table 7-120. 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	1.77974100	-0.00025900
		- 20	1.77912707	-0.00087293
		- 10	1.77985620	-0.00014380
		0	1.77930814	-0.00069186
		+ 10	1.77995988	-0.00004012
		+ 20 (Ref)	1.77923471	-0.00076529
		+ 30	1.77981378	-0.00018622
		+ 40	1.77945787	-0.00054213
		+ 50	1.77907429	-0.00092571
Battery Endpoint	3.40	+ 20	1.77969558	-0.00030442

Table 7-121. NR Band n66 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

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	1.69505838	-0.00005838
		- 20	1.69576106	-0.00076106
		- 10	1.69524985	-0.00024985
		0	1.69567364	-0.00067364
		+ 10	1.69537234	-0.00037234
		+ 20 (Ref)	1.69591317	-0.00091317
		+ 30	1.69591390	-0.00091390
		+ 40	1.69552637	-0.00052637
		+ 50	1.69578452	-0.00078452
Battery Endpoint	3.40	+ 20	1.69522018	-0.00022018

Table 7-122. 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	1.70915706	-0.00084294
		- 20	1.70986732	-0.00013268
		- 10	1.70929396	-0.00070604
		0	1.70976811	-0.00023189
		+ 10	1.70947452	-0.00052548
		+ 20 (Ref)	1.70906107	-0.00093893
		+ 30	1.70995412	-0.00004588
		+ 40	1.70932954	-0.00067046
		+ 50	1.70961202	-0.00038798
Battery Endpoint	3.40	+ 20	1.70919958	-0.00080042

Table 7-123. NR Band n70 Upper Boundary Frequency Stability Data

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	0.66322231	-0.00022231
		- 20	0.66395525	-0.00095525
		- 10	0.66312968	-0.00012968
		0	0.66377776	-0.00077776
		+ 10	0.66351431	-0.00051431
		+ 20 (Ref)	0.66334774	-0.00034774
		+ 30	0.66387161	-0.00087161
		+ 40	0.66309498	-0.00009498
		+ 50	0.66363406	-0.00063406
Battery Endpoint	3.40	+ 20	0.66346440	-0.00046440

Table 7-124. 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	0.69787114	-0.00012886
		- 20	0.69723896	-0.00076104
		- 10	0.69791332	-0.00008668
		0	0.69713223	-0.00086777
		+ 10	0.69758782	-0.00041218
		+ 20 (Ref)	0.69743179	-0.00056821
		+ 30	0.69771742	-0.00028258
		+ 40	0.69706212	-0.00093788
		+ 50	0.69735968	-0.00064032
Battery Endpoint	3.40	+ 20	0.69798069	-0.00001931

Table 7-125. NR Band n71 Upper Boundary Frequency Stability Data

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	0.69941243	-0.00041243
		- 20	0.69908985	-0.00008985
		- 10	0.69994376	-0.00094376
		0	0.69925454	-0.00025454
		+ 10	0.69986069	-0.00086069
		+ 20 (Ref)	0.69956831	-0.00056831
		+ 30	0.69932957	-0.00032957
		+ 40	0.69969766	-0.00069766
		+ 50	0.69948473	-0.00048473
Battery Endpoint	3.40	+ 20	0.69914413	-0.00014413

Table 7-126. 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	0.71535395	-0.00064605
		- 20	0.71595431	-0.00004569
		- 10	0.71522254	-0.00077746
		0	0.71581124	-0.00018876
		+ 10	0.71514941	-0.00085059
		+ 20 (Ref)	0.71568395	-0.00031605
		+ 30	0.71503253	-0.00096747
		+ 40	0.71560079	-0.00039921
		+ 50	0.71543734	-0.00056266
Battery Endpoint	3.40	+ 20	0.71587829	-0.00012171

Table 7-127. 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	1.71075411	-0.00075411
		- 20	1.71017606	-0.00017606
		- 10	1.71053885	-0.00053885
		0	1.71090838	-0.00090838
		+ 10	1.71037626	-0.00037626
		+ 20 (Ref)	1.71069040	-0.00069040
		+ 30	1.71025771	-0.00025771
		+ 40	1.71084327	-0.00084327
		+ 50	1.71045090	-0.00045090
Battery Endpoint	3.40	+ 20	1.71007561	-0.00007561

Table 7-128. 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	1.75465488	-0.00034512
		- 20	1.75419598	-0.00080402
		- 10	1.75482057	-0.00017943
		0	1.75409771	-0.00090229
		+ 10	1.75472652	-0.00027348
		+ 20 (Ref)	1.75456038	-0.00043962
		+ 30	1.75431808	-0.00068192
		+ 40	1.75496529	-0.00003471
		+ 50	1.75449097	-0.00050903
Battery Endpoint	3.40	+ 20	1.75423617	-0.00076383

Table 7-129. 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: BCGA3462** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA3462	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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