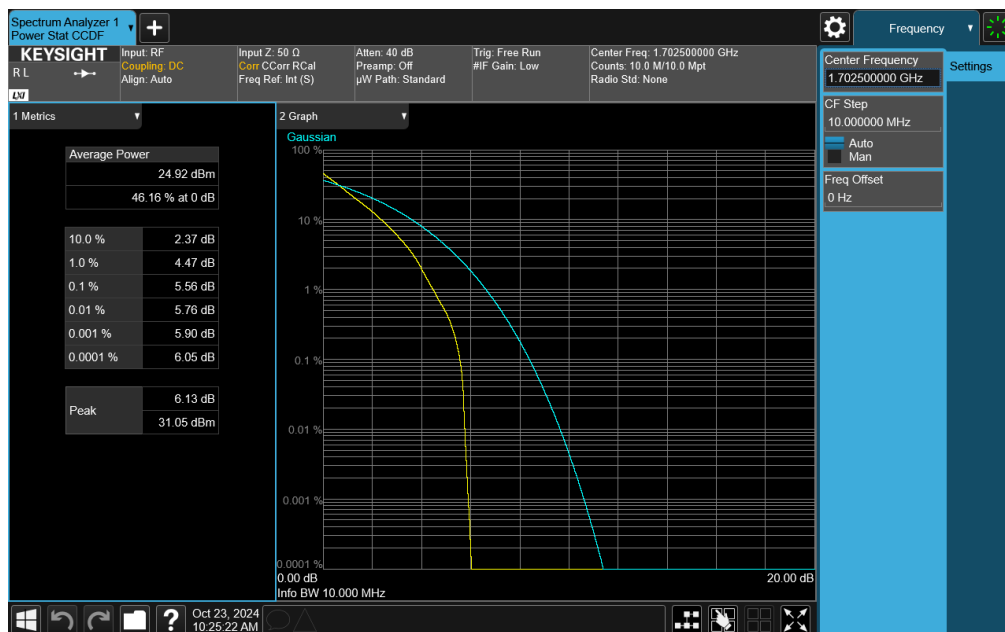
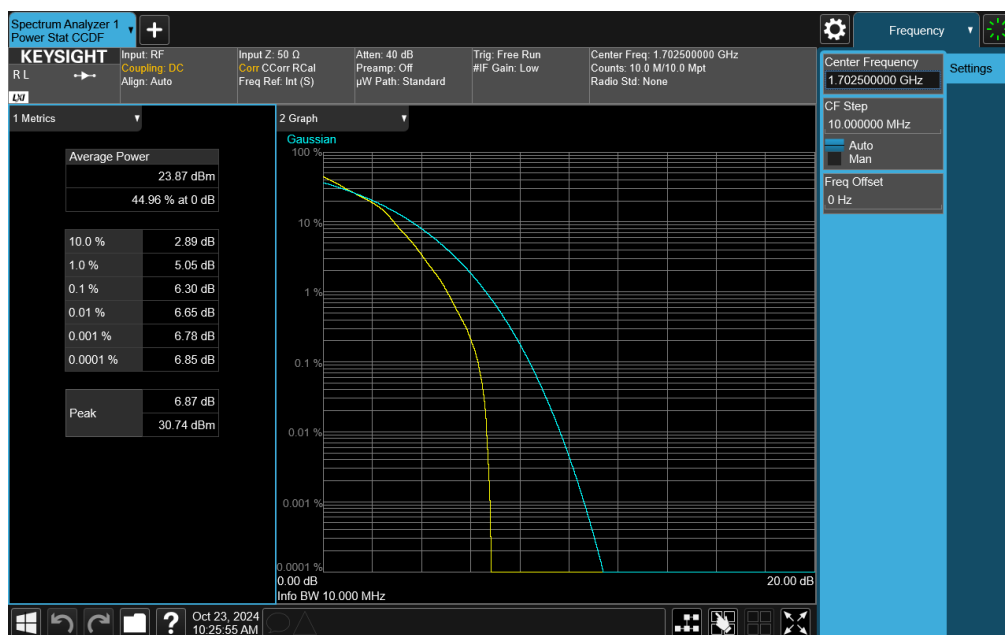




Plot 7-468. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM QPSK - Full RB)

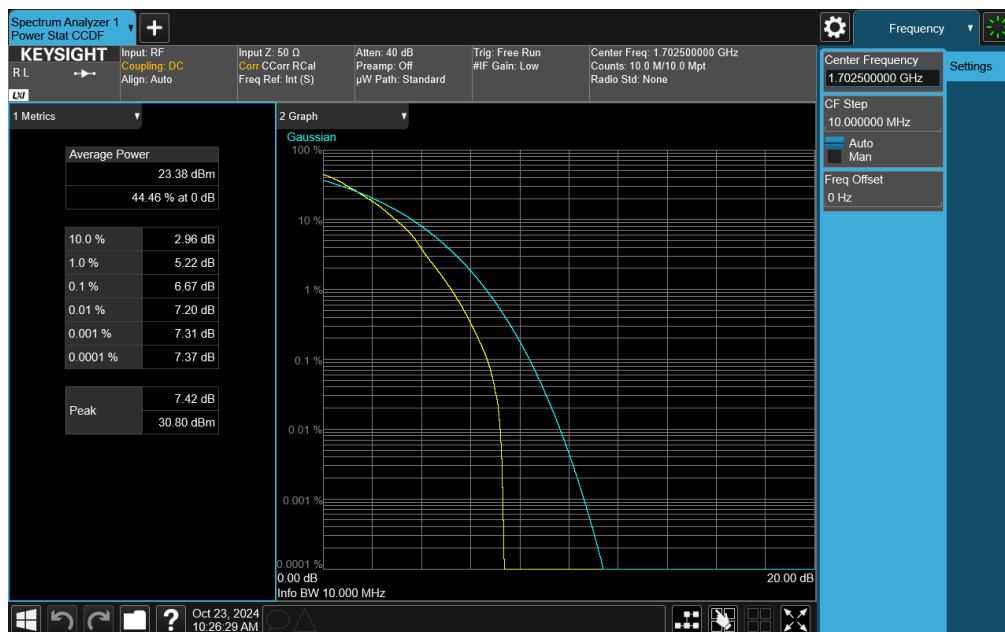


Plot 7-469. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

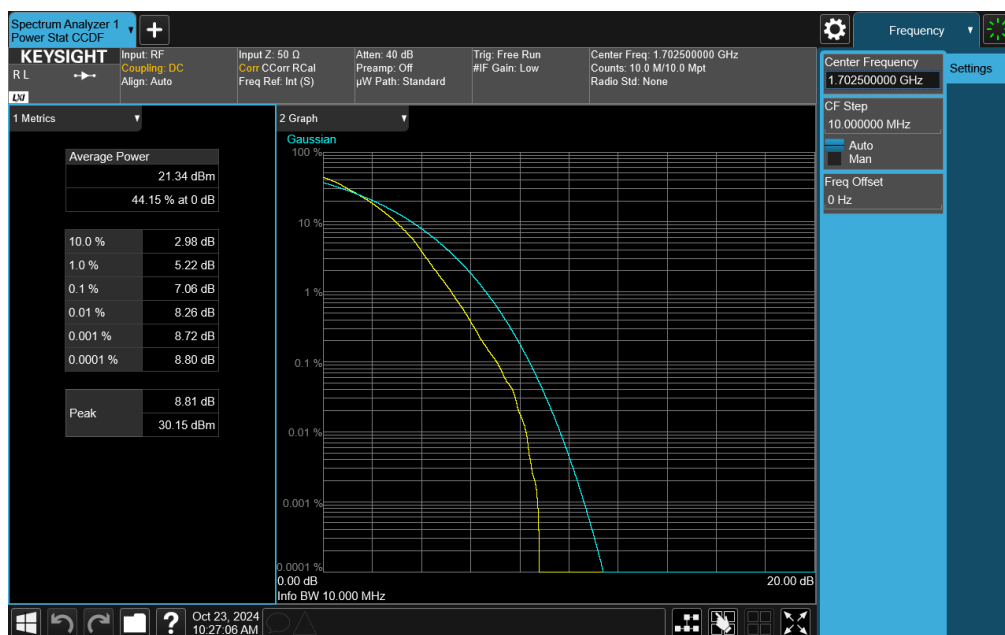
FCC ID: BCGA3355	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 264 of 352

V2.2 09/07/2023

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

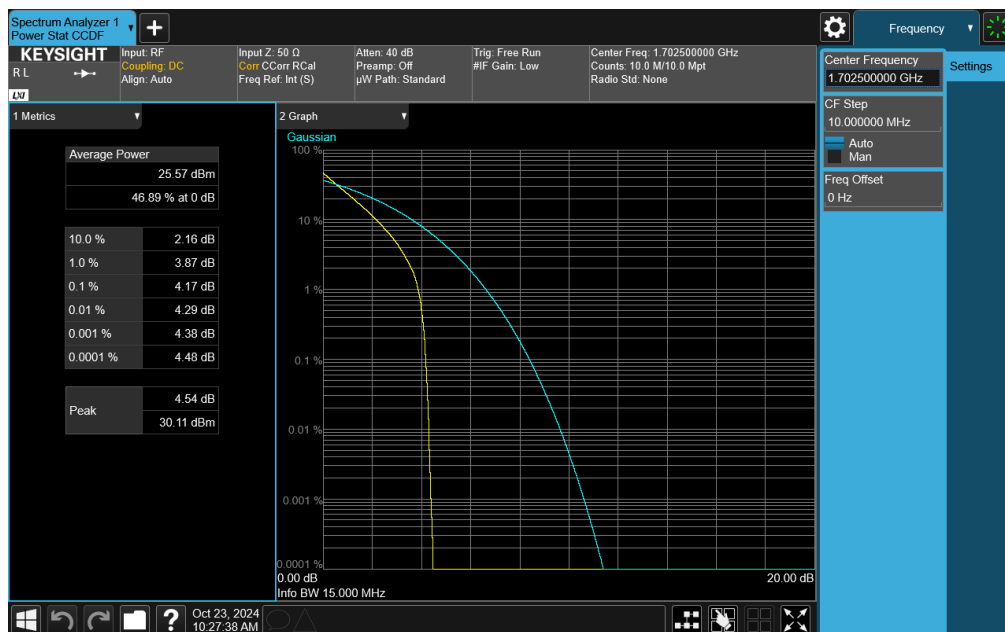


Plot 7-471. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

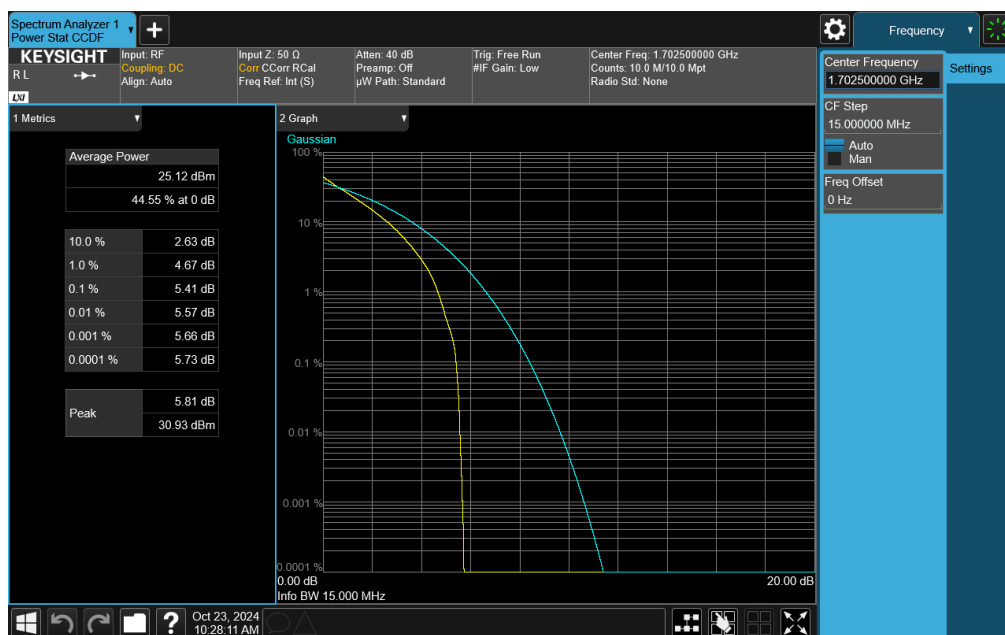
FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 265 of 352

V2.2 09/07/2023

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

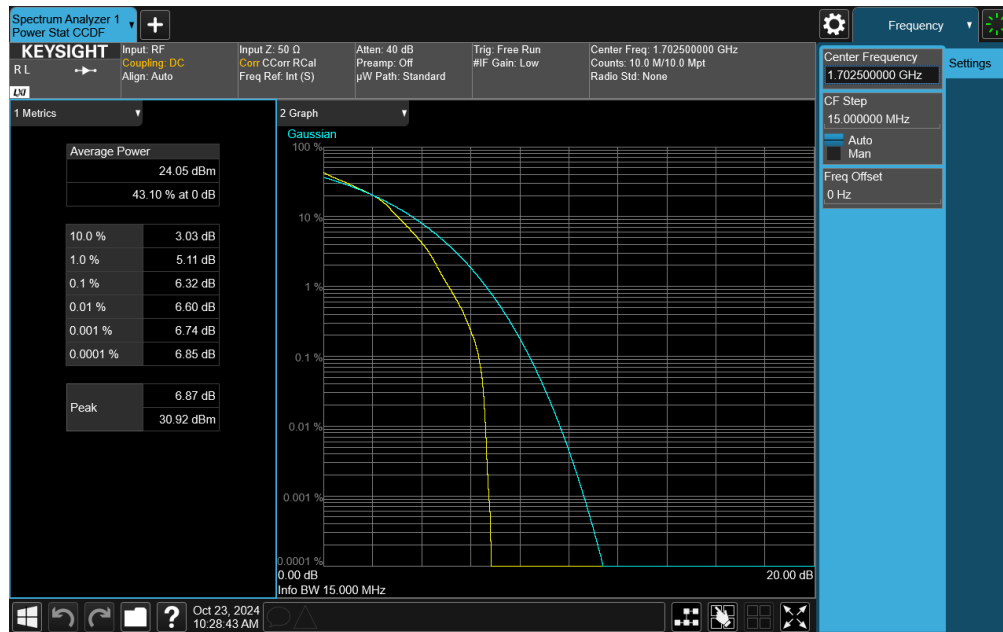


Plot 7-473. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

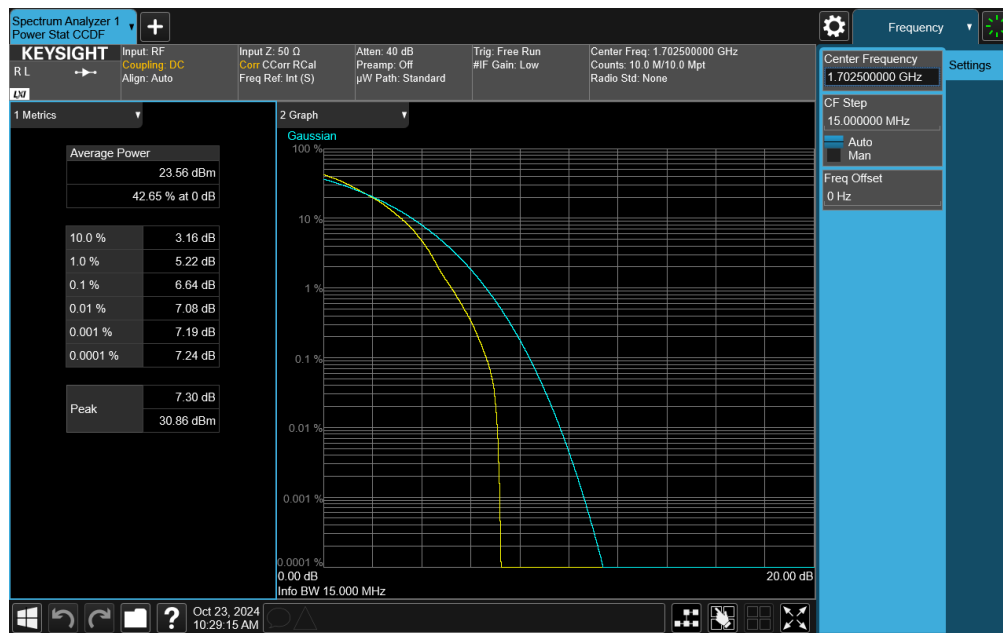
FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 266 of 352

V2.2 09/07/2023

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

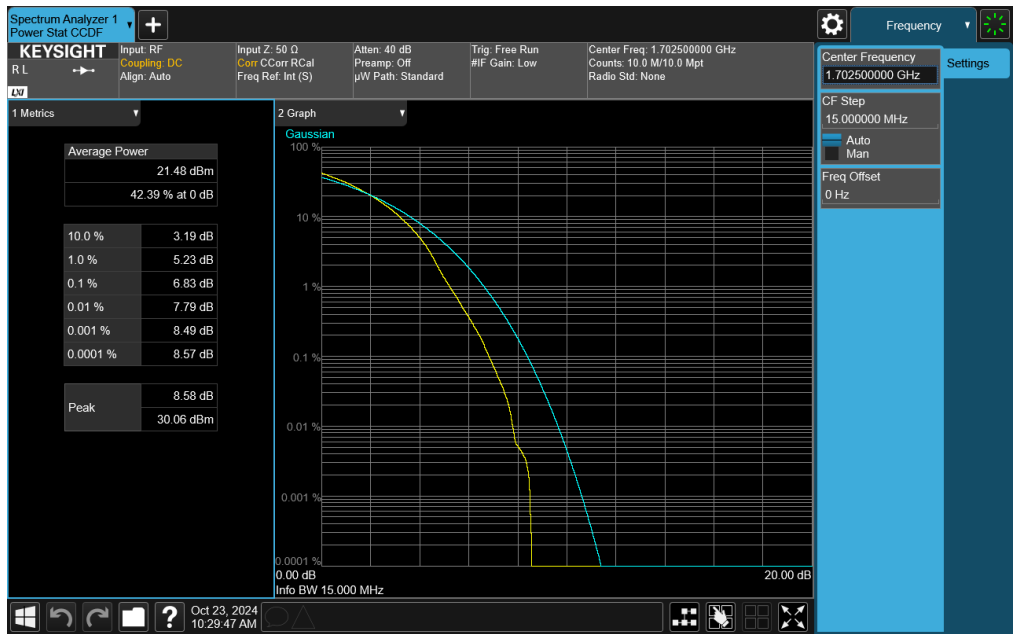


Plot 7-475. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 267 of 352

V2.2 09/07/2023

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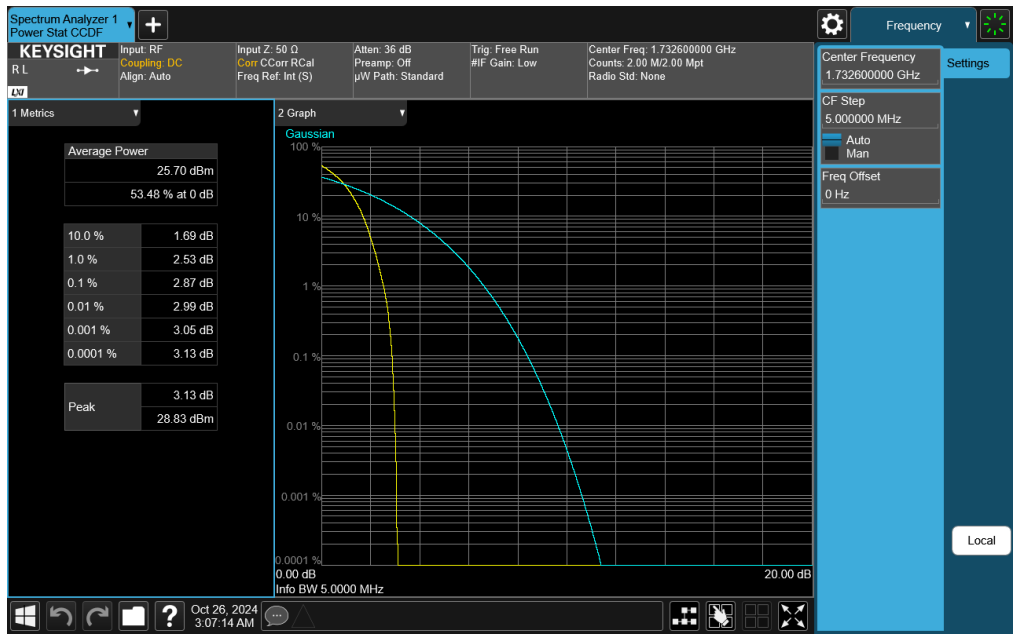


Plot 7-476. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3355	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 268 of 352



WCDMA AWS



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

FCC ID: BCGA3355	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device
		Page 269 of 352

V2.2 09/07/2023

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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.

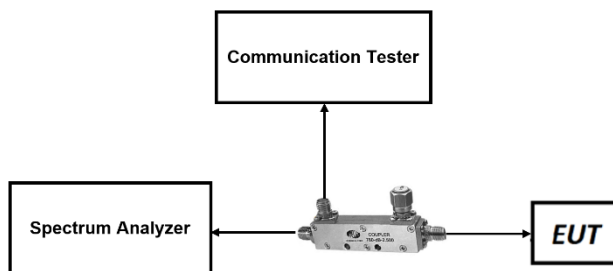


Figure 7-9. LTE EIRP Measurement Setup

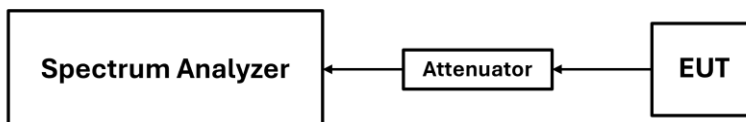


Figure 7-10. FR1 ERP/EIRP Measurement Setup

FCC ID: BCGA3355		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 270 of 352

V2.2 09/07/2023

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1."
5. The Ant. Gains (GT) are listed in dBi.
6. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 271 of 352

V2.2 09/07/2023

7.6.1 Antenna 4 – EIRP/ERP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	2.10	1 / 5	25.68	27.78	0.600	30.00	-2.22
		1745.0	2.10	1 / 0	25.60	27.70	0.589	30.00	-2.30
		1779.3	2.10	1 / 3	25.68	27.78	0.600	30.00	-2.22
	16-QAM	1745.0	2.10	1 / 3	24.60	26.70	0.468	30.00	-3.30
	64-QAM	1710.7	2.10	1 / 3	23.66	25.76	0.377	30.00	-4.24
	256-QAM	1779.3	2.10	1 / 5	20.75	22.85	0.193	30.00	-7.15
3 MHz	QPSK	1711.5	2.10	1 / 0	25.70	27.80	0.603	30.00	-2.20
		1745.0	2.10	1 / 7	25.64	27.74	0.594	30.00	-2.26
		1778.5	2.10	1 / 7	25.70	27.80	0.603	30.00	-2.20
	16-QAM	1778.5	2.10	1 / 0	24.71	26.81	0.480	30.00	-3.19
	64-QAM	1745.0	2.10	1 / 7	23.68	25.78	0.378	30.00	-4.22
	256-QAM	1711.5	2.10	1 / 0	20.79	22.89	0.195	30.00	-7.11
5 MHz	QPSK	1712.5	2.10	1 / 24	25.50	27.60	0.575	30.00	-2.40
		1745.0	2.10	1 / 24	25.50	27.60	0.575	30.00	-2.40
		1777.5	2.10	1 / 12	25.42	27.52	0.565	30.00	-2.48
	16-QAM	1712.5	2.10	1 / 24	24.68	26.78	0.476	30.00	-3.22
	64-QAM	1712.5	2.10	1 / 12	23.57	25.67	0.369	30.00	-4.33
	256-QAM	1712.5	2.10	1 / 12	20.80	22.90	0.195	30.00	-7.10
10 MHz	QPSK	1715.0	2.10	1 / 0	25.70	27.80	0.603	30.00	-2.20
		1745.0	2.10	1 / 0	25.64	27.74	0.594	30.00	-2.26
		1775.0	2.10	1 / 25	25.69	27.79	0.601	30.00	-2.21
	16-QAM	1775.0	2.10	1 / 25	24.60	26.70	0.468	30.00	-3.30
	64-QAM	1775.0	2.10	1 / 25	23.65	25.75	0.376	30.00	-4.25
	256-QAM	1775.0	2.10	1 / 25	20.77	22.87	0.194	30.00	-7.13
15 MHz	QPSK	1717.5	2.10	1 / 0	25.68	27.78	0.600	30.00	-2.22
		1745.0	2.10	1 / 0	25.57	27.67	0.585	30.00	-2.33
		1772.5	2.10	1 / 0	25.70	27.80	0.603	30.00	-2.20
	16-QAM	1717.5	2.10	1 / 0	24.67	26.77	0.475	30.00	-3.23
	64-QAM	1772.5	2.10	1 / 37	23.59	25.69	0.371	30.00	-4.31
	256-QAM	1745.0	2.10	1 / 37	20.76	22.86	0.193	30.00	-7.14
20 MHz	QPSK	1720.0	2.10	1 / 0	25.69	27.79	0.601	30.00	-2.21
		1745.0	2.10	1 / 0	25.70	27.80	0.603	30.00	-2.20
		1770.0	2.10	1 / 50	25.59	27.69	0.587	30.00	-2.31
	16-QAM	1770.0	2.10	1 / 99	24.70	26.80	0.479	30.00	-3.20
	64-QAM	1770.0	2.10	1 / 50	23.62	25.72	0.373	30.00	-4.28
	256-QAM	1770.0	2.10	1 / 50	20.80	22.90	0.195	30.00	-7.10

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 272 of 352

V2.2 09/07/2023

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	2.10	1 / 3	25.65	27.75	0.596	30.00	-2.25
		1732.5	2.10	1 / 0	25.40	27.50	0.562	30.00	-2.50
		1754.3	2.10	1 / 3	25.50	27.60	0.575	30.00	-2.40
	16-QAM	1732.5	2.10	1 / 3	24.64	26.74	0.472	30.00	-3.26
	64-QAM	1754.3	2.10	1 / 0	23.66	25.76	0.377	30.00	-4.24
	256-QAM	1754.3	2.10	1 / 0	20.81	22.91	0.195	30.00	-7.09
3 MHz	QPSK	1711.5	2.10	1 / 0	25.70	27.80	0.603	30.00	-2.20
		1732.5	2.10	1 / 0	25.63	27.73	0.593	30.00	-2.27
		1753.5	2.10	1 / 14	25.54	27.64	0.581	30.00	-2.36
	16-QAM	1732.5	2.10	1 / 0	24.60	26.70	0.468	30.00	-3.30
	64-QAM	1732.5	2.10	1 / 7	23.63	25.73	0.374	30.00	-4.27
	256-QAM	1732.5	2.10	1 / 0	20.67	22.77	0.189	30.00	-7.23
5 MHz	QPSK	1712.5	2.10	1 / 0	25.53	27.63	0.579	30.00	-2.37
		1732.5	2.10	1 / 24	25.44	27.54	0.568	30.00	-2.46
		1752.5	2.10	1 / 12	25.67	27.77	0.598	30.00	-2.23
	16-QAM	1732.5	2.10	1 / 24	24.70	26.80	0.479	30.00	-3.20
	64-QAM	1752.5	2.10	1 / 24	23.67	25.77	0.378	30.00	-4.23
	256-QAM	1732.5	2.10	1 / 12	20.80	22.90	0.195	30.00	-7.10
10 MHz	QPSK	1715.0	2.10	1 / 49	25.64	27.74	0.594	30.00	-2.26
		1732.5	2.10	1 / 25	25.70	27.80	0.603	30.00	-2.20
		1750.0	2.10	1 / 49	25.67	27.77	0.598	30.00	-2.23
	16-QAM	1732.5	2.10	1 / 49	24.66	26.76	0.474	30.00	-3.24
	64-QAM	1732.5	2.10	1 / 0	23.70	25.80	0.380	30.00	-4.20
	256-QAM	1750.0	2.10	1 / 25	20.59	22.69	0.186	30.00	-7.31
15 MHz	QPSK	1717.5	2.10	1 / 74	25.64	27.74	0.594	30.00	-2.26
		1732.5	2.10	1 / 0	25.70	27.80	0.603	30.00	-2.20
		1747.5	2.10	1 / 74	25.45	27.55	0.569	30.00	-2.45
	16-QAM	1747.5	2.10	1 / 0	24.72	26.82	0.481	30.00	-3.18
	64-QAM	1747.5	2.10	1 / 0	23.55	25.65	0.367	30.00	-4.35
	256-QAM	1732.5	2.10	1 / 74	20.81	22.91	0.195	30.00	-7.09
20 MHz	QPSK	1720.0	2.10	1 / 50	25.70	27.80	0.603	30.00	-2.20
		1732.5	2.10	1 / 50	25.69	27.79	0.601	30.00	-2.21
		1745.0	2.10	1 / 99	25.62	27.72	0.592	30.00	-2.28
	16-QAM	1732.5	2.10	1 / 99	24.68	26.78	0.476	30.00	-3.22
	64-QAM	1720.0	2.10	1 / 0	23.71	25.81	0.381	30.00	-4.19
	256-QAM	1732.5	2.10	1 / 50	20.78	22.88	0.194	30.00	-7.12

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 273 of 352

V2.2 09/07/2023

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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	-1.00	1 / 24	25.46	22.31	0.170	34.77	-12.46
		680.5	-1.00	1 / 24	25.55	22.40	0.174	34.77	-12.37
		695.5	-1.00	1 / 0	25.58	22.43	0.175	34.77	-12.34
	16-QAM	680.5	-1.00	1 / 24	24.73	21.58	0.144	34.77	-13.19
	64-QAM	680.5	-1.00	1 / 24	23.73	20.58	0.114	34.77	-14.19
	256-QAM	680.5	-1.00	1 / 0	20.84	17.69	0.059	34.77	-17.08
10 MHz	QPSK	668.0	-1.00	1 / 0	25.70	22.55	0.180	34.77	-12.22
		680.5	-1.00	1 / 25	25.60	22.45	0.176	34.77	-12.32
		693.0	-1.00	1 / 49	25.54	22.39	0.173	34.77	-12.38
	16-QAM	680.5	-1.00	1 / 0	24.64	21.49	0.141	34.77	-13.28
	64-QAM	693.0	-1.00	1 / 0	23.70	20.55	0.114	34.77	-14.22
	256-QAM	668.0	-1.00	1 / 49	20.67	17.52	0.056	34.77	-17.25
15 MHz	QPSK	670.5	-1.00	1 / 0	25.70	22.55	0.180	34.77	-12.22
		680.5	-1.00	1 / 74	25.43	22.28	0.169	34.77	-12.49
		690.5	-1.00	1 / 37	25.57	22.42	0.175	34.77	-12.35
	16-QAM	670.5	-1.00	1 / 37	24.67	21.52	0.142	34.77	-13.25
	64-QAM	690.5	-1.00	1 / 0	23.68	20.53	0.113	34.77	-14.24
	256-QAM	670.5	-1.00	1 / 0	20.74	17.59	0.057	34.77	-17.18
20 MHz	QPSK	673.0	-1.00	1 / 99	25.50	22.35	0.172	34.77	-12.42
		680.5	-1.00	1 / 50	25.70	22.55	0.180	34.77	-12.22
		688.0	-1.00	1 / 99	25.65	22.50	0.178	34.77	-12.27
	16-QAM	688.0	-1.00	1 / 0	24.64	21.49	0.141	34.77	-13.28
	64-QAM	688.0	-1.00	1 / 99	23.67	20.52	0.113	34.77	-14.25
	256-QAM	688.0	-1.00	1 / 50	20.80	17.65	0.058	34.77	-17.12

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 274 of 352

V2.2 09/07/2023

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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	-1.30	6 / 0	24.78	21.33	0.136	34.77	-13.44
		707.5	-1.30	6 / 0	25.04	21.59	0.144	34.77	-13.18
		715.3	-1.30	6 / 0	25.20	21.75	0.150	34.77	-13.02
	16-QAM	699.7	-1.30	6 / 0	24.14	20.69	0.117	34.77	-14.08
	64-QAM	715.3	-1.30	6 / 0	23.24	19.79	0.095	34.77	-14.98
	256-QAM	699.7	-1.30	6 / 0	20.15	16.70	0.047	34.77	-18.07
3 MHz	QPSK	700.5	-1.30	1 / 7	25.45	22.00	0.158	34.77	-12.77
		707.5	-1.30	1 / 0	25.69	22.24	0.167	34.77	-12.53
		714.5	-1.30	1 / 0	25.60	22.15	0.164	34.77	-12.62
	16-QAM	714.5	-1.30	1 / 14	24.71	21.26	0.134	34.77	-13.51
	64-QAM	707.5	-1.30	1 / 7	23.69	20.24	0.106	34.77	-14.53
	256-QAM	714.5	-1.30	1 / 7	20.82	17.37	0.055	34.77	-17.40
5 MHz	QPSK	701.5	-1.30	1 / 12	25.56	22.11	0.163	34.77	-12.66
		707.5	-1.30	1 / 12	25.37	21.92	0.156	34.77	-12.85
		713.5	-1.30	1 / 12	25.70	22.25	0.168	34.77	-12.52
	16-QAM	713.5	-1.30	1 / 12	24.70	21.25	0.133	34.77	-13.52
	64-QAM	707.5	-1.30	1 / 0	23.70	20.25	0.106	34.77	-14.52
	256-QAM	713.5	-1.30	1 / 0	20.74	17.29	0.054	34.77	-17.48
10 MHz	QPSK	704.0	-1.30	1 / 49	25.66	22.21	0.166	34.77	-12.56
		707.5	-1.30	1 / 25	25.49	22.04	0.160	34.77	-12.73
		711.0	-1.30	1 / 0	25.45	22.00	0.158	34.77	-12.77
	16-QAM	711.0	-1.30	1 / 49	24.70	21.25	0.133	34.77	-13.52
	64-QAM	711.0	-1.30	1 / 0	23.74	20.29	0.107	34.77	-14.48
	256-QAM	704.0	-1.30	1 / 0	20.84	17.39	0.055	34.77	-17.38

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 275 of 352

V2.2 09/07/2023

LTE Band 17

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-1.30	1 / 0	25.45	22.00	0.158	34.77	-12.77
		710.0	-1.30	1 / 12	25.54	22.09	0.162	34.77	-12.68
		713.5	-1.30	1 / 0	25.61	22.16	0.164	34.77	-12.61
	16-QAM	706.5	-1.30	1 / 24	24.75	21.30	0.135	34.77	-13.47
	64-QAM	710.0	-1.30	1 / 12	23.78	20.33	0.108	34.77	-14.44
	256-QAM	710.0	-1.30	1 / 0	20.78	17.33	0.054	34.77	-17.44
10 MHz	QPSK	709.0	-1.30	1 / 49	25.67	22.22	0.167	34.77	-12.55
		710.0	-1.30	1 / 0	25.65	22.20	0.166	34.77	-12.57
		711.0	-1.30	1 / 25	25.61	22.16	0.164	34.77	-12.61
	16-QAM	710.0	-1.30	1 / 0	24.66	21.21	0.132	34.77	-13.56
	64-QAM	710.0	-1.30	1 / 49	23.71	20.26	0.106	34.77	-14.51
	256-QAM	710.0	-1.30	1 / 25	20.83	17.38	0.055	34.77	-17.39

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 276 of 352

V2.2 09/07/2023

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-0.30	1 / 12	25.63	23.18	0.208	34.77	-11.59
		782.0	-0.30	1 / 24	25.39	22.94	0.197	34.77	-11.83
		784.5	-0.30	1 / 24	25.62	23.17	0.207	34.77	-11.60
	16-QAM	782.0	-0.30	1 / 12	24.66	22.21	0.166	34.77	-12.56
	64-QAM	784.5	-0.30	1 / 12	23.73	21.28	0.134	34.77	-13.49
	256-QAM	779.5	-0.30	1 / 24	20.83	18.38	0.069	34.77	-16.39
10 MHz	QPSK	782.0	-0.30	1 / 49	25.31	22.86	0.193	34.77	-11.91
	16-QAM	782.0	-0.30	1 / 0	24.63	22.18	0.165	34.77	-12.59
	64-QAM	782.0	-0.30	1 / 25	23.73	21.28	0.134	34.77	-13.49
	256-QAM	782.0	-0.30	1 / 25	20.44	17.99	0.063	34.77	-16.78

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 277 of 352

V2.2 09/07/2023

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	2.10	1 / 12	25.58	27.68	0.586	30.00	-2.32
		1745.0	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
		1777.5	2.10	1 / 23	25.51	27.61	0.577	30.00	-2.39
	QPSK	1712.5	2.10	1 / 23	25.57	27.67	0.585	30.00	-2.33
		1745.0	2.10	1 / 12	25.47	27.57	0.571	30.00	-2.43
		1777.5	2.10	1 / 12	25.67	27.77	0.598	30.00	-2.23
	16-QAM	1777.5	2.10	1 / 12	24.69	26.79	0.478	30.00	-3.21
	64-QAM	1712.5	2.10	1 / 12	23.70	25.80	0.380	30.00	-4.20
10 MHz	π/2 BPSK	1712.5	2.10	1 / 23	20.84	22.94	0.197	30.00	-7.06
		1715.0	2.10	1 / 25	25.70	27.80	0.603	30.00	-2.20
		1745.0	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
	QPSK	1775.0	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
		1715.0	2.10	1 / 25	25.66	27.76	0.597	30.00	-2.24
		1745.0	2.10	1 / 25	25.61	27.71	0.590	30.00	-2.29
	16-QAM	1775.0	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
		1745.0	2.10	1 / 50	24.69	26.79	0.478	30.00	-3.21
15 MHz	π/2 BPSK	1745.0	2.10	1 / 25	23.70	25.80	0.380	30.00	-4.20
		1745.0	2.10	1 / 25	23.70	25.80	0.380	30.00	-4.20
		1745.0	2.10	1 / 1	20.71	22.81	0.191	30.00	-7.19
	QPSK	1715.0	2.10	1 / 36	25.42	27.52	0.565	30.00	-2.48
		1745.0	2.10	1 / 77	25.63	27.73	0.593	30.00	-2.27
		1772.5	2.10	1 / 77	25.70	27.80	0.603	30.00	-2.20
	16-QAM	1717.5	2.10	1 / 1	25.69	27.79	0.601	30.00	-2.21
		1745.0	2.10	1 / 77	25.63	27.73	0.593	30.00	-2.27
20 MHz	π/2 BPSK	1772.5	2.10	1 / 77	25.60	27.70	0.589	30.00	-2.30
		1772.5	2.10	1 / 77	24.72	26.82	0.481	30.00	-3.18
		1772.5	2.10	1 / 36	23.70	25.80	0.380	30.00	-4.20
	QPSK	1717.5	2.10	1 / 77	20.77	22.87	0.194	30.00	-7.13
		1720.0	2.10	1 / 50	25.64	27.74	0.594	30.00	-2.26
		1745.0	2.10	1 / 1	25.67	27.77	0.598	30.00	-2.23
	16-QAM	1770.0	2.10	1 / 50	25.44	27.54	0.568	30.00	-2.46
		1720.0	2.10	1 / 50	25.62	27.72	0.592	30.00	-2.28
25 MHz	π/2 BPSK	1745.0	2.10	1 / 50	25.70	27.80	0.603	30.00	-2.20
		1770.0	2.10	1 / 1	25.67	27.77	0.598	30.00	-2.23
		1720.0	2.10	1 / 1	24.69	26.79	0.478	30.00	-3.21
	QPSK	1745.0	2.10	1 / 1	23.66	25.76	0.377	30.00	-4.24
		1770.0	2.10	1 / 50	20.80	22.90	0.195	30.00	-7.10
		1720.0	2.10	1 / 50	25.62	27.72	0.592	30.00	-2.28
	16-QAM	1770.0	2.10	1 / 1	25.67	27.77	0.598	30.00	-2.23
		1720.0	2.10	1 / 1	24.69	26.79	0.478	30.00	-3.21
30 MHz	π/2 BPSK	1722.5	2.10	1 / 131	25.64	27.74	0.594	30.00	-2.26
		1745.0	2.10	1 / 131	25.61	27.71	0.590	30.00	-2.29
		1767.5	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
	QPSK	1722.5	2.10	1 / 64	25.46	27.56	0.570	30.00	-2.44
		1745.0	2.10	1 / 64	25.70	27.80	0.603	30.00	-2.20
		1767.5	2.10	1 / 64	25.58	27.68	0.586	30.00	-2.32
	16-QAM	1722.5	2.10	1 / 1	24.77	26.87	0.486	30.00	-3.13
		1745.0	2.10	1 / 131	23.80	25.90	0.389	30.00	-4.10
35 MHz	π/2 BPSK	1745.0	2.10	1 / 131	20.79	22.89	0.195	30.00	-7.11
		1725.0	2.10	1 / 1	25.58	27.68	0.586	30.00	-2.32
		1745.0	2.10	1 / 80	25.62	27.72	0.592	30.00	-2.28
	QPSK	1765.0	2.10	1 / 1	25.66	27.76	0.597	30.00	-2.24
		1725.0	2.10	1 / 1	25.47	27.57	0.571	30.00	-2.43
		1745.0	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
	16-QAM	1765.0	2.10	1 / 158	25.70	27.80	0.603	30.00	-2.20
		1765.0	2.10	1 / 1	24.67	26.77	0.475	30.00	-3.23
40 MHz	π/2 BPSK	1725.0	2.10	1 / 80	23.69	25.79	0.379	30.00	-4.21
		1745.0	2.10	1 / 1	20.80	22.90	0.195	30.00	-7.10
		1725.0	2.10	1 / 186	25.67	27.77	0.598	30.00	-2.23
	QPSK	1745.0	2.10	1 / 186	25.70	27.80	0.603	30.00	-2.20
		1762.5	2.10	1 / 1	25.64	27.74	0.594	30.00	-2.26
		1725.0	2.10	1 / 90	25.33	27.43	0.553	30.00	-2.57
	16-QAM	1745.0	2.10	1 / 90	25.62	27.72	0.592	30.00	-2.28
		1765.0	2.10	1 / 1	25.59	27.69	0.587	30.00	-2.31
45 MHz	π/2 BPSK	1765.0	2.10	1 / 90	24.72	26.82	0.481	30.00	-3.18
		1725.0	2.10	1 / 90	23.72	25.82	0.382	30.00	-4.18
		1745.0	2.10	1 / 1	20.77	22.87	0.194	30.00	-7.13
	QPSK	1730.0	2.10	1 / 214	25.68	27.78	0.600	30.00	-2.22
		1745.0	2.10	1 / 214	25.65	27.75	0.596	30.00	-2.25
		1760.0	2.10	1 / 1	25.70	27.80	0.603	30.00	-2.20
	16-QAM	1730.0	2.10	1 / 108	25.49	27.59	0.574	30.00	-2.41
		1745.0	2.10	1 / 1	25.59	27.69	0.587	30.00	-2.31
50 MHz	π/2 BPSK	1760.0	2.10	1 / 108	25.65	27.75	0.596	30.00	-2.25
		1730.0	2.10	1 / 1	24.64	26.74	0.472	30.00	-3.26
		1730.0	2.10	1 / 108	23.61	25.71	0.372	30.00	-4.29
	QPSK	1760.0	2.10	1 / 214	20.79	22.89	0.195	30.00	-7.11
		1730.0	2.10	1 / 108	23.61	25.71	0.372	30.00	-4.29
		1760.0	2.10	1 / 214	20.79	22.89	0.195	30.00	-7.11
	16-QAM	1730.0	2.10	1 / 108	23.61	25.71	0.372	30.00	-4.29
		1760.0	2.10	1 / 214	20.79	22.89	0.195	30.00	-7.11

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 278 of 352

V2.2 09/07/2023

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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	0.70	1 / 1	25.55	26.25	0.422	30.00	-3.75
		1702.5	0.70	1 / 1	25.67	26.37	0.434	30.00	-3.63
		1707.5	0.70	1 / 1	25.49	26.19	0.416	30.00	-3.81
	QPSK	1697.5	0.70	1 / 23	25.59	26.29	0.426	30.00	-3.71
		1702.5	0.70	1 / 23	25.65	26.35	0.432	30.00	-3.65
		1707.5	0.70	1 / 1	25.70	26.40	0.437	30.00	-3.60
	16-QAM	1702.5	0.70	1 / 12	24.54	25.24	0.334	30.00	-4.76
	64-QAM	1707.5	0.70	1 / 1	23.62	24.32	0.270	30.00	-5.68
	256-QAM	1707.5	0.70	1 / 23	20.79	21.49	0.141	30.00	-8.51
10 MHz	$\pi/2$ BPSK	1700.0	0.70	1 / 25	25.55	26.25	0.422	30.00	-3.75
		1702.5	0.70	1 / 25	25.61	26.31	0.428	30.00	-3.69
		1705.0	0.70	1 / 1	25.70	26.40	0.437	30.00	-3.60
	QPSK	1700.0	0.70	1 / 25	25.63	26.33	0.430	30.00	-3.67
		1702.5	0.70	1 / 25	25.50	26.20	0.417	30.00	-3.80
		1705.0	0.70	1 / 50	25.68	26.38	0.435	30.00	-3.62
	16-QAM	1702.5	0.70	1 / 50	24.68	25.38	0.345	30.00	-4.62
	64-QAM	1702.5	0.70	1 / 25	23.70	24.40	0.275	30.00	-5.60
15 MHz	256-QAM	1700.0	0.70	1 / 1	20.79	21.49	0.141	30.00	-8.51
	$\pi/2$ BPSK	1702.5	0.70	1 / 36	25.66	26.36	0.433	30.00	-3.64
	QPSK	1702.5	0.70	1 / 77	25.56	26.26	0.423	30.00	-3.74
	16-QAM	1702.5	0.70	1 / 36	24.67	25.37	0.344	30.00	-4.63
	64-QAM	1702.5	0.70	1 / 36	23.70	24.40	0.275	30.00	-5.60
	256-QAM	1702.5	0.70	1 / 77	20.34	21.04	0.127	30.00	-8.96

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 279 of 352

V2.2 09/07/2023

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	-1.00	1 / 1	25.70	22.55	0.180	34.77	-12.22
		680.5	-1.00	1 / 12	25.37	22.22	0.167	34.77	-12.55
		695.5	-1.00	1 / 1	25.58	22.43	0.175	34.77	-12.34
	QPSK	665.5	-1.00	1 / 12	25.67	22.52	0.179	34.77	-12.25
		680.5	-1.00	1 / 23	25.69	22.54	0.179	34.77	-12.23
		695.5	-1.00	1 / 23	25.61	22.46	0.176	34.77	-12.31
	16-QAM	665.5	-1.00	1 / 23	24.70	21.55	0.143	34.77	-13.22
	64-QAM	680.5	-1.00	1 / 1	23.73	20.58	0.114	34.77	-14.19
	256-QAM	680.5	-1.00	1 / 1	20.77	17.62	0.058	34.77	-17.15
10 MHz	$\pi/2$ BPSK	668.0	-1.00	1 / 50	25.50	22.35	0.172	34.77	-12.42
		680.5	-1.00	1 / 50	25.70	22.55	0.180	34.77	-12.22
		693.0	-1.00	1 / 1	25.68	22.53	0.179	34.77	-12.24
	QPSK	668.0	-1.00	1 / 1	25.44	22.29	0.169	34.77	-12.48
		680.5	-1.00	1 / 25	25.45	22.30	0.170	34.77	-12.47
		693.0	-1.00	1 / 25	25.32	22.17	0.165	34.77	-12.60
	16-QAM	680.5	-1.00	1 / 1	24.72	21.57	0.144	34.77	-13.20
	64-QAM	668.0	-1.00	1 / 50	23.68	20.53	0.113	34.77	-14.24
	256-QAM	668.0	-1.00	1 / 50	20.80	17.65	0.058	34.77	-17.12
15 MHz	$\pi/2$ BPSK	670.5	-1.00	1 / 77	25.58	22.43	0.175	34.77	-12.34
		680.5	-1.00	1 / 77	25.67	22.52	0.179	34.77	-12.25
		690.5	-1.00	1 / 36	25.68	22.53	0.179	34.77	-12.24
	QPSK	670.5	-1.00	1 / 1	25.66	22.51	0.178	34.77	-12.26
		680.5	-1.00	1 / 1	25.70	22.55	0.180	34.77	-12.22
		690.5	-1.00	1 / 77	25.67	22.52	0.179	34.77	-12.25
	16-QAM	690.5	-1.00	1 / 1	24.68	21.53	0.142	34.77	-13.24
	64-QAM	670.5	-1.00	1 / 1	23.65	20.50	0.112	34.77	-14.27
	256-QAM	670.5	-1.00	1 / 1	20.79	17.64	0.058	34.77	-17.13
20 MHz	$\pi/2$ BPSK	673.0	-1.00	1 / 104	25.66	22.51	0.178	34.77	-12.26
		680.5	-1.00	1 / 50	25.54	22.39	0.173	34.77	-12.38
		688.0	-1.00	1 / 50	25.64	22.49	0.177	34.77	-12.28
	QPSK	673.0	-1.00	1 / 50	25.56	22.41	0.174	34.77	-12.36
		680.5	-1.00	1 / 1	25.69	22.54	0.179	34.77	-12.23
		688.0	-1.00	1 / 50	25.70	22.55	0.180	34.77	-12.22
	16-QAM	673.0	-1.00	1 / 50	24.72	21.57	0.144	34.77	-13.20
	64-QAM	673.0	-1.00	1 / 50	23.69	20.54	0.113	34.77	-14.23
	256-QAM	673.0	-1.00	1 / 104	20.80	17.65	0.058	34.77	-17.12

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 280 of 352

V2.2 09/07/2023

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	-1.30	1 / 1	25.51	22.06	0.161	34.77	-12.71
		707.5	-1.30	1 / 23	25.66	22.21	0.166	34.77	-12.56
		713.5	-1.30	1 / 12	25.60	22.15	0.164	34.77	-12.62
	QPSK	701.5	-1.30	1 / 1	25.67	22.22	0.167	34.77	-12.55
		707.5	-1.30	1 / 1	25.70	22.25	0.168	34.77	-12.52
		713.5	-1.30	1 / 12	25.60	22.15	0.164	34.77	-12.62
	16-QAM	707.5	-1.30	1 / 23	24.63	21.18	0.131	34.77	-13.59
	64-QAM	713.5	-1.30	1 / 23	23.64	20.19	0.104	34.77	-14.58
	256-QAM	713.5	-1.30	1 / 23	20.80	17.35	0.054	34.77	-17.42
10 MHz	$\pi/2$ BPSK	704.0	-1.30	1 / 25	25.70	22.25	0.168	34.77	-12.52
		707.5	-1.30	1 / 50	25.66	22.21	0.166	34.77	-12.56
		711.0	-1.30	1 / 25	25.54	22.09	0.162	34.77	-12.68
	QPSK	704.0	-1.30	1 / 50	25.67	22.22	0.167	34.77	-12.55
		707.5	-1.30	1 / 25	25.34	21.89	0.155	34.77	-12.88
		711.0	-1.30	1 / 1	25.70	22.25	0.168	34.77	-12.52
	16-QAM	704.0	-1.30	1 / 1	24.68	21.23	0.133	34.77	-13.54
	64-QAM	711.0	-1.30	1 / 25	23.67	20.22	0.105	34.77	-14.55
	256-QAM	707.5	-1.30	1 / 1	20.78	17.33	0.054	34.77	-17.44
15 MHz	$\pi/2$ BPSK	706.5	-1.30	1 / 1	25.59	22.14	0.164	34.77	-12.63
		707.5	-1.30	1 / 36	25.69	22.24	0.167	34.77	-12.53
		708.5	-1.30	1 / 77	25.70	22.25	0.168	34.77	-12.52
	QPSK	706.5	-1.30	1 / 77	25.60	22.15	0.164	34.77	-12.62
		707.5	-1.30	1 / 36	25.55	22.10	0.162	34.77	-12.67
		708.5	-1.30	1 / 77	25.62	22.17	0.165	34.77	-12.60
	16-QAM	706.5	-1.30	1 / 77	24.70	21.25	0.133	34.77	-13.52
	64-QAM	706.5	-1.30	1 / 1	23.73	20.28	0.107	34.77	-14.49
	256-QAM	707.5	-1.30	1 / 36	20.85	17.40	0.055	34.77	-17.37

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 281 of 352

V2.2 09/07/2023

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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	25.69	2.10	27.79	0.601	30.00	-2.21
1732.60	WCDMA1700	25.64	2.10	27.74	0.594	30.00	-2.26
1752.60	WCDMA1700	25.70	2.10	27.80	0.603	30.00	-2.20

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 282 of 352

V2.2 09/07/2023

7.6.2 Antenna 3b – ERP

LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-2.90	1 / 24	25.17	20.12	0.103	34.77	-14.65
		680.5	-2.90	1 / 12	25.15	20.10	0.102	34.77	-14.67
		695.5	-2.90	1 / 24	24.99	19.94	0.099	34.77	-14.83
	16-QAM	695.5	-2.90	1 / 24	24.21	19.16	0.082	34.77	-15.61
	64-QAM	695.5	-2.90	1 / 24	23.10	18.05	0.064	34.77	-16.72
	256-QAM	695.5	-2.90	1 / 24	20.27	15.22	0.033	34.77	-19.55
10 MHz	QPSK	668.0	-2.90	1 / 25	25.19	20.14	0.103	34.77	-14.63
		680.5	-2.90	1 / 0	25.08	20.03	0.101	34.77	-14.74
		693.0	-2.90	1 / 0	25.00	19.95	0.099	34.77	-14.82
	16-QAM	680.5	-2.90	1 / 49	24.16	19.11	0.081	34.77	-15.66
	64-QAM	668.0	-2.90	1 / 0	23.18	18.13	0.065	34.77	-16.64
	256-QAM	680.5	-2.90	1 / 25	20.25	15.20	0.033	34.77	-19.57
15 MHz	QPSK	670.5	-2.90	1 / 37	25.08	20.03	0.101	34.77	-14.74
		680.5	-2.90	1 / 0	25.15	20.10	0.102	34.77	-14.67
		690.5	-2.90	1 / 74	25.20	20.15	0.104	34.77	-14.62
	16-QAM	690.5	-2.90	1 / 74	24.15	19.10	0.081	34.77	-15.67
	64-QAM	680.5	-2.90	1 / 37	23.17	18.12	0.065	34.77	-16.65
	256-QAM	670.5	-2.90	1 / 74	20.28	15.23	0.033	34.77	-19.54
20 MHz	QPSK	673.0	-2.90	1 / 99	24.99	19.94	0.099	34.77	-14.83
		680.5	-2.90	1 / 50	25.20	20.15	0.104	34.77	-14.62
		688.0	-2.90	1 / 50	25.10	20.05	0.101	34.77	-14.72
	16-QAM	688.0	-2.90	1 / 99	24.18	19.13	0.082	34.77	-15.64
	64-QAM	688.0	-2.90	1 / 0	23.10	18.05	0.064	34.77	-16.72
	256-QAM	680.5	-2.90	1 / 99	20.29	15.24	0.033	34.77	-19.53

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 283 of 352

V2.2 09/07/2023

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-2.90	6 / 0	24.43	19.38	0.087	34.77	-15.39
		707.5	-2.90	6 / 0	24.68	19.63	0.092	34.77	-15.14
		715.3	-2.90	6 / 0	24.56	19.51	0.089	34.77	-15.26
	16-QAM	715.3	-2.90	6 / 0	23.69	18.64	0.073	34.77	-16.13
	64-QAM	707.5	-2.90	6 / 0	22.70	17.65	0.058	34.77	-17.12
	256-QAM	715.3	-2.90	6 / 0	19.80	14.75	0.030	34.77	-20.02
3 MHz	QPSK	700.5	-2.90	1 / 0	25.14	20.09	0.102	34.77	-14.68
		707.5	-2.90	1 / 14	25.13	20.08	0.102	34.77	-14.69
		714.5	-2.90	1 / 7	25.16	20.11	0.103	34.77	-14.66
	16-QAM	707.5	-2.90	1 / 14	24.21	19.16	0.082	34.77	-15.61
	64-QAM	707.5	-2.90	1 / 7	23.21	18.16	0.065	34.77	-16.61
	256-QAM	700.5	-2.90	1 / 0	20.20	15.15	0.033	34.77	-19.62
5 MHz	QPSK	701.5	-2.90	1 / 24	25.05	20.00	0.100	34.77	-14.77
		707.5	-2.90	1 / 0	25.03	19.98	0.100	34.77	-14.79
		713.5	-2.90	1 / 12	25.20	20.15	0.104	34.77	-14.62
	16-QAM	713.5	-2.90	1 / 24	24.18	19.13	0.082	34.77	-15.64
	64-QAM	713.5	-2.90	1 / 0	23.24	18.19	0.066	34.77	-16.58
	256-QAM	713.5	-2.90	1 / 0	20.35	15.30	0.034	34.77	-19.47
10 MHz	QPSK	704.0	-2.90	1 / 0	24.99	19.94	0.099	34.77	-14.83
		707.5	-2.90	1 / 25	24.95	19.90	0.098	34.77	-14.87
		711.0	-2.90	1 / 0	25.20	20.15	0.104	34.77	-14.62
	16-QAM	707.5	-2.90	1 / 0	24.12	19.07	0.081	34.77	-15.70
	64-QAM	711.0	-2.90	1 / 49	23.19	18.14	0.065	34.77	-16.63
	256-QAM	707.5	-2.90	1 / 0	20.26	15.21	0.033	34.77	-19.56

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 284 of 352

V2.2 09/07/2023

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	-2.90	1 / 24	25.03	19.98	0.100	34.77	-14.79
		710.0	-2.90	1 / 12	25.19	20.14	0.103	34.77	-14.63
		713.5	-2.90	1 / 0	25.20	20.15	0.104	34.77	-14.62
	16-QAM	710.0	-2.90	1 / 0	24.22	19.17	0.083	34.77	-15.60
	64-QAM	706.5	-2.90	1 / 24	23.15	18.10	0.065	34.77	-16.67
	256-QAM	706.5	-2.90	1 / 0	20.21	15.16	0.033	34.77	-19.61
10 MHz	QPSK	709.0	-2.90	1 / 0	25.02	19.97	0.099	34.77	-14.80
		710.0	-2.90	1 / 25	25.19	20.14	0.103	34.77	-14.63
		711.0	-2.90	1 / 25	24.93	19.88	0.097	34.77	-14.89
	16-QAM	711.0	-2.90	1 / 0	24.02	18.97	0.079	34.77	-15.80
	64-QAM	711.0	-2.90	1 / 0	23.20	18.15	0.065	34.77	-16.62
	256-QAM	710.0	-2.90	1 / 0	20.25	15.20	0.033	34.77	-19.57

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 285 of 352

V2.2 09/07/2023

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-2.70	1 / 12	25.20	20.35	0.108	34.77	-14.42
		782.0	-2.70	1 / 12	25.13	20.28	0.107	34.77	-14.49
		784.5	-2.70	1 / 12	25.07	20.22	0.105	34.77	-14.55
	16-QAM	782.0	-2.70	1 / 0	24.18	19.33	0.086	34.77	-15.44
	64-QAM	784.5	-2.70	1 / 0	23.18	18.33	0.068	34.77	-16.44
	256-QAM	782.0	-2.70	1 / 24	20.26	15.41	0.035	34.77	-19.36
10 MHz	QPSK	782.0	-2.70	1 / 0	25.04	20.19	0.104	34.77	-14.58
	16-QAM	782.0	-2.70	1 / 0	24.16	19.31	0.085	34.77	-15.46
	64-QAM	782.0	-2.70	1 / 25	23.22	18.37	0.069	34.77	-16.40
	256-QAM	782.0	-2.70	1 / 25	20.22	15.37	0.034	34.77	-19.40

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 286 of 352

V2.2 09/07/2023

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	-2.90	1 / 23	24.70	19.65	0.092	34.77	-15.12
		680.5	-2.90	1 / 1	24.42	19.37	0.086	34.77	-15.40
		695.5	-2.90	1 / 23	24.66	19.61	0.091	34.77	-15.16
	QPSK	665.5	-2.90	1 / 23	24.62	19.57	0.091	34.77	-15.20
		680.5	-2.90	1 / 12	24.68	19.63	0.092	34.77	-15.14
		695.5	-2.90	1 / 12	24.60	19.55	0.090	34.77	-15.22
	16-QAM	680.5	-2.90	1 / 23	23.67	18.62	0.073	34.77	-16.15
	64-QAM	680.5	-2.90	1 / 12	22.72	17.67	0.058	34.77	-17.10
	256-QAM	680.5	-2.90	1 / 12	19.76	14.71	0.030	34.77	-20.06
10 MHz	$\pi/2$ BPSK	668.0	-2.90	1 / 1	24.70	19.65	0.092	34.77	-15.12
		680.5	-2.90	1 / 1	24.48	19.43	0.088	34.77	-15.34
		693.0	-2.90	1 / 50	24.51	19.46	0.088	34.77	-15.31
	QPSK	668.0	-2.90	1 / 25	24.64	19.59	0.091	34.77	-15.18
		680.5	-2.90	1 / 1	24.42	19.37	0.086	34.77	-15.40
		693.0	-2.90	1 / 25	24.58	19.53	0.090	34.77	-15.24
	16-QAM	680.5	-2.90	1 / 25	23.59	18.54	0.071	34.77	-16.23
	64-QAM	693.0	-2.90	1 / 50	22.67	17.62	0.058	34.77	-17.15
	256-QAM	668.0	-2.90	1 / 25	19.79	14.74	0.030	34.77	-20.03
15 MHz	$\pi/2$ BPSK	670.5	-2.90	1 / 1	24.64	19.59	0.091	34.77	-15.18
		680.5	-2.90	1 / 36	24.53	19.48	0.089	34.77	-15.29
		690.5	-2.90	1 / 77	24.70	19.65	0.092	34.77	-15.12
	QPSK	670.5	-2.90	1 / 36	24.53	19.48	0.089	34.77	-15.29
		680.5	-2.90	1 / 77	24.60	19.55	0.090	34.77	-15.22
		690.5	-2.90	1 / 77	24.56	19.51	0.089	34.77	-15.26
	16-QAM	680.5	-2.90	1 / 1	23.65	18.60	0.072	34.77	-16.17
	64-QAM	690.5	-2.90	1 / 77	22.69	17.64	0.058	34.77	-17.13
	256-QAM	690.5	-2.90	1 / 36	19.83	14.78	0.030	34.77	-19.99
20 MHz	$\pi/2$ BPSK	673.0	-2.90	1 / 50	24.58	19.53	0.090	34.77	-15.24
		680.5	-2.90	1 / 50	24.38	19.33	0.086	34.77	-15.44
		688.0	-2.90	1 / 1	24.32	19.27	0.085	34.77	-15.50
	QPSK	673.0	-2.90	1 / 50	24.57	19.52	0.090	34.77	-15.25
		680.5	-2.90	1 / 104	24.44	19.39	0.087	34.77	-15.38
		688.0	-2.90	1 / 104	24.70	19.65	0.092	34.77	-15.12
	16-QAM	673.0	-2.90	1 / 1	23.47	18.42	0.070	34.77	-16.35
	64-QAM	680.5	-2.90	1 / 1	22.72	17.67	0.058	34.77	-17.10
	256-QAM	680.5	-2.90	1 / 1	19.79	14.74	0.030	34.77	-20.03

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 287 of 352

V2.2 09/07/2023

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	-2.90	1 / 12	25.11	20.06	0.101	34.77	-14.71
		707.5	-2.90	1 / 12	25.03	19.98	0.100	34.77	-14.79
		713.5	-2.90	1 / 23	25.20	20.15	0.104	34.77	-14.62
	QPSK	701.5	-2.90	1 / 23	25.07	20.02	0.100	34.77	-14.75
		707.5	-2.90	1 / 1	25.15	20.10	0.102	34.77	-14.67
		713.5	-2.90	1 / 23	25.15	20.10	0.102	34.77	-14.67
	16-QAM	707.5	-2.90	1 / 12	24.21	19.16	0.082	34.77	-15.61
	64-QAM	701.5	-2.90	1 / 1	23.22	18.17	0.066	34.77	-16.60
	256-QAM	707.5	-2.90	1 / 1	20.28	15.23	0.033	34.77	-19.54
10 MHz	$\pi/2$ BPSK	704.0	-2.90	1 / 25	24.94	19.89	0.097	34.77	-14.88
		707.5	-2.90	1 / 50	25.20	20.15	0.104	34.77	-14.62
		711.0	-2.90	1 / 1	25.13	20.08	0.102	34.77	-14.69
	QPSK	704.0	-2.90	1 / 50	24.99	19.94	0.099	34.77	-14.83
		707.5	-2.90	1 / 50	25.10	20.05	0.101	34.77	-14.72
		711.0	-2.90	1 / 1	25.05	20.00	0.100	34.77	-14.77
	16-QAM	711.0	-2.90	1 / 1	24.24	19.19	0.083	34.77	-15.58
	64-QAM	711.0	-2.90	1 / 1	23.22	18.17	0.066	34.77	-16.60
	256-QAM	711.0	-2.90	1 / 50	20.31	15.26	0.034	34.77	-19.51
15 MHz	$\pi/2$ BPSK	706.5	-2.90	1 / 1	25.17	20.12	0.103	34.77	-14.65
		707.5	-2.90	1 / 1	25.20	20.15	0.104	34.77	-14.62
		708.5	-2.90	1 / 1	25.08	20.03	0.101	34.77	-14.74
	QPSK	706.5	-2.90	1 / 36	25.17	20.12	0.103	34.77	-14.65
		707.5	-2.90	1 / 77	25.12	20.07	0.102	34.77	-14.70
		708.5	-2.90	1 / 1	25.15	20.10	0.102	34.77	-14.67
	16-QAM	706.5	-2.90	1 / 36	24.28	19.23	0.084	34.77	-15.54
	64-QAM	707.5	-2.90	1 / 36	23.20	18.15	0.065	34.77	-16.62
	256-QAM	708.5	-2.90	1 / 36	20.34	15.29	0.034	34.77	-19.48

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 288 of 352

V2.2 09/07/2023

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7.6.3 Antenna 2b – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.50	1 / 3	25.70	23.20	0.209	30.00	-6.80
		1745.0	-2.50	1 / 3	25.29	22.79	0.190	30.00	-7.21
		1779.3	-2.50	1 / 3	25.57	23.07	0.203	30.00	-6.93
	16-QAM	1779.3	-2.50	1 / 3	24.63	22.13	0.163	30.00	-7.87
	64-QAM	1779.3	-2.50	1 / 0	23.62	21.12	0.129	30.00	-8.88
	256-QAM	1745.0	-2.50	1 / 3	20.70	18.20	0.066	30.00	-11.80
3 MHz	QPSK	1711.5	-2.50	1 / 14	25.49	22.99	0.199	30.00	-7.01
		1745.0	-2.50	1 / 0	25.59	23.09	0.204	30.00	-6.91
		1778.5	-2.50	1 / 7	25.70	23.20	0.209	30.00	-6.80
	16-QAM	1711.5	-2.50	1 / 14	24.65	22.15	0.164	30.00	-7.85
	64-QAM	1778.5	-2.50	1 / 7	23.60	21.10	0.129	30.00	-8.90
	256-QAM	1745.0	-2.50	1 / 0	20.73	18.23	0.067	30.00	-11.77
5 MHz	QPSK	1712.5	-2.50	1 / 24	25.53	23.03	0.201	30.00	-6.97
		1745.0	-2.50	1 / 24	25.69	23.19	0.208	30.00	-6.81
		1777.5	-2.50	1 / 12	25.49	22.99	0.199	30.00	-7.01
	16-QAM	1777.5	-2.50	1 / 0	24.65	22.15	0.164	30.00	-7.85
	64-QAM	1712.5	-2.50	1 / 12	23.70	21.20	0.132	30.00	-8.80
	256-QAM	1745.0	-2.50	1 / 24	20.80	18.30	0.068	30.00	-11.70
10 MHz	QPSK	1715.0	-2.50	1 / 49	25.59	23.09	0.204	30.00	-6.91
		1745.0	-2.50	1 / 49	25.60	23.10	0.204	30.00	-6.90
		1775.0	-2.50	1 / 25	25.70	23.20	0.209	30.00	-6.80
	16-QAM	1715.0	-2.50	1 / 49	24.68	22.18	0.165	30.00	-7.82
	64-QAM	1745.0	-2.50	1 / 0	23.71	21.21	0.132	30.00	-8.79
	256-QAM	1715.0	-2.50	1 / 25	20.77	18.27	0.067	30.00	-11.73
15 MHz	QPSK	1717.5	-2.50	1 / 37	25.61	23.11	0.205	30.00	-6.89
		1745.0	-2.50	1 / 37	25.70	23.20	0.209	30.00	-6.80
		1772.5	-2.50	1 / 37	25.68	23.18	0.208	30.00	-6.82
	16-QAM	1772.5	-2.50	1 / 37	24.70	22.20	0.166	30.00	-7.80
	64-QAM	1772.5	-2.50	1 / 37	23.71	21.21	0.132	30.00	-8.79
	256-QAM	1717.5	-2.50	1 / 37	20.80	18.30	0.068	30.00	-11.70
	QPSK	1720.0	-2.50	1 / 50	25.58	23.08	0.203	30.00	-6.92
		1745.0	-2.50	1 / 0	25.61	23.11	0.205	30.00	-6.89
		1770.0	-2.50	1 / 50	25.70	23.20	0.209	30.00	-6.80
	16-QAM	1770.0	-2.50	1 / 0	24.60	22.10	0.162	30.00	-7.90
20 MHz	64-QAM	1745.0	-2.50	1 / 99	23.65	21.15	0.130	30.00	-8.85
	256-QAM	1770.0	-2.50	1 / 99	20.79	18.29	0.067	30.00	-11.71

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 289 of 352

V2.2 09/07/2023

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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	-2.50	1 / 3	25.64	23.14	0.206	30.00	-6.86
		1732.5	-2.50	1 / 3	25.40	22.90	0.195	30.00	-7.10
		1754.3	-2.50	1 / 0	25.70	23.20	0.209	30.00	-6.80
	16-QAM	1754.3	-2.50	1 / 0	24.65	22.15	0.164	30.00	-7.85
	64-QAM	1754.3	-2.50	1 / 5	23.69	21.19	0.132	30.00	-8.81
	256-QAM	1754.3	-2.50	1 / 0	20.69	18.19	0.066	30.00	-11.81
3 MHz	QPSK	1711.5	-2.50	1 / 0	25.67	23.17	0.207	30.00	-6.83
		1732.5	-2.50	1 / 0	25.68	23.18	0.208	30.00	-6.82
		1753.5	-2.50	1 / 14	25.44	22.94	0.197	30.00	-7.06
	16-QAM	1732.5	-2.50	1 / 14	24.66	22.16	0.164	30.00	-7.84
	64-QAM	1711.5	-2.50	1 / 14	23.69	21.19	0.132	30.00	-8.81
	256-QAM	1753.5	-2.50	1 / 0	20.72	18.22	0.066	30.00	-11.78
5 MHz	QPSK	1712.5	-2.50	1 / 0	25.43	22.93	0.196	30.00	-7.07
		1732.5	-2.50	1 / 0	25.39	22.89	0.195	30.00	-7.11
		1752.5	-2.50	1 / 12	25.70	23.20	0.209	30.00	-6.80
	16-QAM	1752.5	-2.50	1 / 24	24.59	22.09	0.162	30.00	-7.91
	64-QAM	1712.5	-2.50	1 / 24	23.72	21.22	0.132	30.00	-8.78
	256-QAM	1732.5	-2.50	1 / 12	20.82	18.32	0.068	30.00	-11.68
10 MHz	QPSK	1715.0	-2.50	1 / 0	25.49	22.99	0.199	30.00	-7.01
		1732.5	-2.50	1 / 25	25.45	22.95	0.197	30.00	-7.05
		1750.0	-2.50	1 / 25	25.63	23.13	0.206	30.00	-6.87
	16-QAM	1750.0	-2.50	1 / 0	24.70	22.20	0.166	30.00	-7.80
	64-QAM	1715.0	-2.50	1 / 49	23.74	21.24	0.133	30.00	-8.76
	256-QAM	1750.0	-2.50	1 / 25	20.84	18.34	0.068	30.00	-11.66
15 MHz	QPSK	1717.5	-2.50	1 / 37	25.64	23.14	0.206	30.00	-6.86
		1732.5	-2.50	1 / 0	25.70	23.20	0.209	30.00	-6.80
		1747.5	-2.50	1 / 74	25.54	23.04	0.201	30.00	-6.96
	16-QAM	1732.5	-2.50	1 / 37	24.55	22.05	0.160	30.00	-7.95
	64-QAM	1747.5	-2.50	1 / 74	23.61	21.11	0.129	30.00	-8.89
	256-QAM	1747.5	-2.50	1 / 37	20.78	18.28	0.067	30.00	-11.72
20 MHz	QPSK	1720.0	-2.50	1 / 50	25.70	23.20	0.209	30.00	-6.80
		1732.5	-2.50	1 / 99	25.52	23.02	0.200	30.00	-6.98
		1745.0	-2.50	1 / 0	25.67	23.17	0.207	30.00	-6.83
	16-QAM	1745.0	-2.50	1 / 99	24.68	22.18	0.165	30.00	-7.82
	64-QAM	1745.0	-2.50	1 / 50	23.72	21.22	0.132	30.00	-8.78
	256-QAM	1720.0	-2.50	1 / 50	20.82	18.32	0.068	30.00	-11.68

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 290 of 352

V2.2 09/07/2023

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NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1712.5	-2.50	1 / 1	25.55	23.05	0.202	30.00	-6.95
		1745.0	-2.50	1 / 1	25.59	23.09	0.204	30.00	-6.91
		1777.5	-2.50	1 / 1	25.70	23.20	0.209	30.00	-6.80
	QPSK	1712.5	-2.50	1 / 23	25.55	23.05	0.202	30.00	-6.95
		1745.0	-2.50	1 / 12	25.58	23.08	0.203	30.00	-6.92
		1777.5	-2.50	1 / 1	25.62	23.12	0.205	30.00	-6.88
	16-QAM	1745.0	-2.50	1 / 1	24.72	22.22	0.167	30.00	-7.78
	64-QAM	1777.5	-2.50	1 / 23	23.67	21.17	0.131	30.00	-8.83
	256-QAM	1777.5	-2.50	1 / 23	20.84	18.34	0.068	30.00	-11.66
10 MHz	$\pi/2$ BPSK	1715.0	-2.50	1 / 25	25.57	23.07	0.203	30.00	-6.93
		1745.0	-2.50	1 / 25	25.70	23.20	0.209	30.00	-6.80
		1775.0	-2.50	1 / 25	25.57	23.07	0.203	30.00	-6.93
	QPSK	1715.0	-2.50	1 / 50	25.59	23.09	0.204	30.00	-6.91
		1745.0	-2.50	1 / 50	25.69	23.19	0.208	30.00	-6.81
		1775.0	-2.50	1 / 25	25.62	23.12	0.205	30.00	-6.88
	16-QAM	1745.0	-2.50	1 / 50	24.69	22.19	0.166	30.00	-7.81
	64-QAM	1775.0	-2.50	1 / 25	23.64	21.14	0.130	30.00	-8.86
	256-QAM	1745.0	-2.50	1 / 25	20.77	18.27	0.067	30.00	-11.73
15 MHz	$\pi/2$ BPSK	1717.5	-2.50	1 / 1	25.65	23.15	0.207	30.00	-6.85
		1745.0	-2.50	1 / 36	25.59	23.09	0.204	30.00	-6.91
		1772.5	-2.50	1 / 36	25.65	23.15	0.207	30.00	-6.85
	QPSK	1717.5	-2.50	1 / 1	25.62	23.12	0.205	30.00	-6.88
		1745.0	-2.50	1 / 77	25.55	23.05	0.202	30.00	-6.95
		1772.5	-2.50	1 / 36	25.70	23.20	0.209	30.00	-6.80
	16-QAM	1772.5	-2.50	1 / 1	24.66	22.16	0.164	30.00	-7.84
	64-QAM	1745.0	-2.50	1 / 1	23.64	21.14	0.130	30.00	-8.86
	256-QAM	1717.5	-2.50	1 / 77	20.80	18.30	0.068	30.00	-11.70
20 MHz	$\pi/2$ BPSK	1720.0	-2.50	1 / 1	25.69	23.19	0.208	30.00	-6.81
		1745.0	-2.50	1 / 104	25.52	23.02	0.200	30.00	-6.98
		1770.0	-2.50	1 / 50	25.70	23.20	0.209	30.00	-6.80
	QPSK	1720.0	-2.50	1 / 1	25.57	23.07	0.203	30.00	-6.93
		1745.0	-2.50	1 / 50	25.67	23.17	0.207	30.00	-6.83
		1770.0	-2.50	1 / 104	25.56	23.06	0.202	30.00	-6.94
	16-QAM	1720.0	-2.50	1 / 50	24.72	22.22	0.167	30.00	-7.78
	64-QAM	1745.0	-2.50	1 / 1	23.63	21.13	0.130	30.00	-8.87
	256-QAM	1720.0	-2.50	1 / 104	20.64	18.14	0.065	30.00	-11.86
25 MHz	$\pi/2$ BPSK	1722.5	-2.50	1 / 1	25.70	23.20	0.209	30.00	-6.80
		1745.0	-2.50	1 / 64	25.65	23.15	0.207	30.00	-6.85
		1767.5	-2.50	1 / 64	25.62	23.12	0.205	30.00	-6.88
	QPSK	1722.5	-2.50	1 / 1	25.46	22.96	0.198	30.00	-7.04
		1745.0	-2.50	1 / 131	25.68	23.18	0.208	30.00	-6.82
		1767.5	-2.50	1 / 1	25.65	23.15	0.207	30.00	-6.85
	16-QAM	1722.5	-2.50	1 / 131	24.71	22.21	0.166	30.00	-7.79
	64-QAM	1745.0	-2.50	1 / 64	23.66	21.16	0.131	30.00	-8.84
	256-QAM	1722.5	-2.50	1 / 1	20.80	18.30	0.068	30.00	-11.70
30 MHz	$\pi/2$ BPSK	1725.0	-2.50	1 / 1	25.63	23.13	0.206	30.00	-6.87
		1745.0	-2.50	1 / 80	25.70	23.20	0.209	30.00	-6.80
		1765.0	-2.50	1 / 1	25.65	23.15	0.207	30.00	-6.85
	QPSK	1725.0	-2.50	1 / 158	25.69	23.19	0.208	30.00	-6.81
		1745.0	-2.50	1 / 80	25.61	23.11	0.205	30.00	-6.89
		1765.0	-2.50	1 / 1	25.61	23.11	0.205	30.00	-6.89
	16-QAM	1765.0	-2.50	1 / 1	24.69	22.19	0.166	30.00	-7.81
	64-QAM	1745.0	-2.50	1 / 158	23.79	21.29	0.135	30.00	-8.71
	256-QAM	1765.0	-2.50	1 / 1	20.90	18.40	0.069	30.00	-11.60
35 MHz	$\pi/2$ BPSK	1727.5	-2.50	1 / 186	25.58	23.08	0.203	30.00	-6.92
		1745.0	-2.50	1 / 1	25.49	22.99	0.199	30.00	-7.01
		1762.5	-2.50	1 / 90	25.43	22.93	0.196	30.00	-7.07
	QPSK	1725.0	-2.50	1 / 1	25.70	23.20	0.209	30.00	-6.80
		1745.0	-2.50	1 / 186	25.52	23.02	0.200	30.00	-6.98
		1765.0	-2.50	1 / 90	25.61	23.11	0.205	30.00	-6.89
	16-QAM	1745.0	-2.50	1 / 186	24.69	22.19	0.166	30.00	-7.81
	64-QAM	1745.0	-2.50	1 / 90	23.68	21.18	0.131	30.00	-8.82
	256-QAM	1765.0	-2.50	1 / 186	20.76	18.26	0.067	30.00	-11.74
40 MHz	$\pi/2$ BPSK	1730.0	-2.50	1 / 108	25.34	22.84	0.192	30.00	-7.16
		1745.0	-2.50	1 / 108	25.64	23.14	0.206	30.00	-6.86
		1760.0	-2.50	1 / 1	25.62	23.12	0.205	30.00	-6.88
	QPSK	1730.0	-2.50	1 / 1	25.68	23.18	0.208	30.00	-6.82
		1745.0	-2.50	1 / 108	25.65	23.15	0.207	30.00	-6.85
		1760.0	-2.50	1 / 1	25.70	23.20	0.209	30.00	-6.80
	16-QAM	1730.0	-2.50	1 / 108	24.70	22.20	0.166	30.00	-7.80
	64-QAM	1760.0	-2.50	1 / 108	23.68	21.18	0.131	30.00	-8.82
	256-QAM	1745.0	-2.50	1 / 108	20.80	18.30	0.068	30.00	-11.70

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 291 of 352

V2.2 09/07/2023

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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	-3.50	1 / 1	25.56	22.06	0.161	30.00	-7.94
		1702.5	-3.50	1 / 1	25.70	22.20	0.166	30.00	-7.80
		1707.5	-3.50	1 / 1	25.45	21.95	0.157	30.00	-8.05
	QPSK	1697.5	-3.50	1 / 23	25.57	22.07	0.161	30.00	-7.93
		1702.5	-3.50	1 / 1	25.60	22.10	0.162	30.00	-7.90
		1707.5	-3.50	1 / 12	25.68	22.18	0.165	30.00	-7.82
	16-QAM	1707.5	-3.50	1 / 23	24.72	21.22	0.132	30.00	-8.78
	64-QAM	1707.5	-3.50	1 / 23	23.72	20.22	0.105	30.00	-9.78
	256-QAM	1707.5	-3.50	1 / 12	20.75	17.25	0.053	30.00	-12.75
10 MHz	$\pi/2$ BPSK	1700.0	-3.50	1 / 50	25.36	21.86	0.153	30.00	-8.14
		1702.5	-3.50	1 / 25	25.28	21.78	0.151	30.00	-8.22
		1705.0	-3.50	1 / 25	25.55	22.05	0.160	30.00	-7.95
	QPSK	1700.0	-3.50	1 / 50	25.70	22.20	0.166	30.00	-7.80
		1702.5	-3.50	1 / 50	25.61	22.11	0.163	30.00	-7.89
		1705.0	-3.50	1 / 1	25.63	22.13	0.163	30.00	-7.87
	16-QAM	1700.0	-3.50	1 / 1	24.70	21.20	0.132	30.00	-8.80
	64-QAM	1702.5	-3.50	1 / 25	23.62	20.12	0.103	30.00	-9.88
15 MHz	256-QAM	1700.0	-3.50	1 / 1	20.67	17.17	0.052	30.00	-12.83
	$\pi/2$ BPSK	1702.5	-3.50	1 / 1	25.54	22.04	0.160	30.00	-7.96
	QPSK	1702.5	-3.50	1 / 1	25.61	22.11	0.163	30.00	-7.89
	16-QAM	1702.5	-3.50	1 / 1	24.70	21.20	0.132	30.00	-8.80
	64-QAM	1702.5	-3.50	1 / 77	23.66	20.16	0.104	30.00	-9.84
	256-QAM	1702.5	-3.50	1 / 1	20.69	17.19	0.052	30.00	-12.81

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 292 of 352

V2.2 09/07/2023

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.20	-2.50	21.70	0.148	30.00	-8.30
1732.60	WCDMA1700	23.89	-2.50	21.39	0.138	30.00	-8.61
1752.60	WCDMA1700	23.94	-2.50	21.44	0.139	30.00	-8.56

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 293 of 352

V2.2 09/07/2023

7.6.4 Antenna 3a – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-0.20	1 / 0	24.65	24.45	0.279	30.00	-5.55
		1745.0	-0.20	1 / 5	24.62	24.42	0.277	30.00	-5.58
		1779.3	-0.20	1 / 0	24.46	24.26	0.267	30.00	-5.74
	16-QAM	1779.3	-0.20	1 / 0	23.66	23.46	0.222	30.00	-6.54
	64-QAM	1710.7	-0.20	1 / 0	22.69	22.49	0.177	30.00	-7.51
	256-QAM	1710.7	-0.20	1 / 0	19.76	19.56	0.090	30.00	-10.44
3 MHz	QPSK	1711.5	-0.20	1 / 14	24.53	24.33	0.271	30.00	-5.67
		1745.0	-0.20	1 / 14	24.55	24.35	0.272	30.00	-5.65
		1778.5	-0.20	1 / 14	24.59	24.39	0.275	30.00	-5.61
	16-QAM	1778.5	-0.20	1 / 14	23.74	23.54	0.226	30.00	-6.46
	64-QAM	1778.5	-0.20	1 / 7	22.74	22.54	0.179	30.00	-7.46
	256-QAM	1778.5	-0.20	1 / 7	19.75	19.55	0.090	30.00	-10.45
5 MHz	QPSK	1712.5	-0.20	1 / 0	24.68	24.48	0.281	30.00	-5.52
		1745.0	-0.20	1 / 0	24.70	24.50	0.282	30.00	-5.50
		1777.5	-0.20	1 / 0	24.69	24.49	0.281	30.00	-5.51
	16-QAM	1777.5	-0.20	1 / 24	23.75	23.55	0.226	30.00	-6.45
	64-QAM	1712.5	-0.20	1 / 12	22.61	22.41	0.174	30.00	-7.59
	256-QAM	1712.5	-0.20	1 / 0	19.84	19.64	0.092	30.00	-10.36
10 MHz	QPSK	1715.0	-0.20	1 / 49	24.51	24.31	0.270	30.00	-5.69
		1745.0	-0.20	1 / 49	24.52	24.32	0.270	30.00	-5.68
		1775.0	-0.20	1 / 0	24.70	24.50	0.282	30.00	-5.50
	16-QAM	1745.0	-0.20	1 / 0	23.71	23.51	0.224	30.00	-6.49
	64-QAM	1745.0	-0.20	1 / 25	22.62	22.42	0.175	30.00	-7.58
	256-QAM	1745.0	-0.20	1 / 25	19.80	19.60	0.091	30.00	-10.40
15 MHz	QPSK	1717.5	-0.20	1 / 74	24.68	24.48	0.281	30.00	-5.52
		1745.0	-0.20	1 / 0	24.49	24.29	0.269	30.00	-5.71
		1772.5	-0.20	1 / 37	24.50	24.30	0.269	30.00	-5.70
	16-QAM	1745.0	-0.20	1 / 74	23.62	23.42	0.220	30.00	-6.58
	64-QAM	1772.5	-0.20	1 / 74	22.70	22.50	0.178	30.00	-7.50
	256-QAM	1772.5	-0.20	1 / 0	19.78	19.58	0.091	30.00	-10.42
20 MHz	QPSK	1720.0	-0.20	1 / 50	24.61	24.41	0.276	30.00	-5.59
		1745.0	-0.20	1 / 99	24.57	24.37	0.274	30.00	-5.63
		1770.0	-0.20	1 / 0	24.70	24.50	0.282	30.00	-5.50
	16-QAM	1720.0	-0.20	1 / 0	23.68	23.48	0.223	30.00	-6.52
	64-QAM	1770.0	-0.20	1 / 50	22.67	22.47	0.177	30.00	-7.53
	256-QAM	1720.0	-0.20	1 / 50	19.78	19.58	0.091	30.00	-10.42

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 294 of 352

V2.2 09/07/2023

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	-0.20	1 / 5	24.66	24.46	0.279	30.00	-5.54
		1732.5	-0.20	1 / 3	24.54	24.34	0.272	30.00	-5.66
		1754.3	-0.20	1 / 5	24.36	24.16	0.261	30.00	-5.84
	16-QAM	1732.5	-0.20	1 / 3	23.74	23.54	0.226	30.00	-6.46
	64-QAM	1710.7	-0.20	1 / 3	22.76	22.56	0.180	30.00	-7.44
	256-QAM	1754.3	-0.20	1 / 3	19.86	19.66	0.092	30.00	-10.34
3 MHz	QPSK	1711.5	-0.20	1 / 14	24.70	24.50	0.282	30.00	-5.50
		1732.5	-0.20	1 / 14	24.66	24.46	0.279	30.00	-5.54
		1753.5	-0.20	1 / 14	24.66	24.46	0.279	30.00	-5.54
	16-QAM	1753.5	-0.20	1 / 7	23.61	23.41	0.219	30.00	-6.59
	64-QAM	1732.5	-0.20	1 / 14	22.70	22.50	0.178	30.00	-7.50
	256-QAM	1732.5	-0.20	1 / 14	19.67	19.47	0.089	30.00	-10.53
5 MHz	QPSK	1712.5	-0.20	1 / 24	24.66	24.46	0.279	30.00	-5.54
		1732.5	-0.20	1 / 0	24.65	24.45	0.279	30.00	-5.55
		1752.5	-0.20	1 / 0	24.42	24.22	0.264	30.00	-5.78
	16-QAM	1752.5	-0.20	1 / 24	23.75	23.55	0.226	30.00	-6.45
	64-QAM	1732.5	-0.20	1 / 12	22.76	22.56	0.180	30.00	-7.44
	256-QAM	1752.5	-0.20	1 / 24	19.86	19.66	0.092	30.00	-10.34
10 MHz	QPSK	1715.0	-0.20	1 / 25	24.41	24.21	0.264	30.00	-5.79
		1732.5	-0.20	1 / 49	24.67	24.47	0.280	30.00	-5.53
		1750.0	-0.20	1 / 49	24.63	24.43	0.277	30.00	-5.57
	16-QAM	1732.5	-0.20	1 / 25	23.75	23.55	0.226	30.00	-6.45
	64-QAM	1715.0	-0.20	1 / 0	22.72	22.52	0.179	30.00	-7.48
	256-QAM	1750.0	-0.20	1 / 0	19.82	19.62	0.092	30.00	-10.38
15 MHz	QPSK	1717.5	-0.20	1 / 37	24.56	24.36	0.273	30.00	-5.64
		1732.5	-0.20	1 / 0	24.67	24.47	0.280	30.00	-5.53
		1747.5	-0.20	1 / 0	24.70	24.50	0.282	30.00	-5.50
	16-QAM	1747.5	-0.20	1 / 74	23.64	23.44	0.221	30.00	-6.56
	64-QAM	1732.5	-0.20	1 / 74	22.73	22.53	0.179	30.00	-7.47
	256-QAM	1717.5	-0.20	1 / 37	19.67	19.47	0.089	30.00	-10.53
20 MHz	QPSK	1720.0	-0.20	1 / 0	24.70	24.50	0.282	30.00	-5.50
		1732.5	-0.20	1 / 0	24.51	24.31	0.270	30.00	-5.69
		1745.0	-0.20	1 / 50	24.68	24.48	0.281	30.00	-5.52
	16-QAM	1732.5	-0.20	1 / 0	23.74	23.54	0.226	30.00	-6.46
	64-QAM	1745.0	-0.20	1 / 99	22.69	22.49	0.177	30.00	-7.51
	256-QAM	1745.0	-0.20	1 / 0	19.80	19.60	0.091	30.00	-10.40

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 295 of 352

V2.2 09/07/2023

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NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-0.20	1 / 12	24.67	24.47	0.280	30.00	-5.53
		1745.0	-0.20	1 / 12	24.69	24.49	0.281	30.00	-5.51
		1777.5	-0.20	1 / 12	24.63	24.43	0.277	30.00	-5.57
	QPSK	1712.5	-0.20	1 / 1	24.65	24.45	0.279	30.00	-5.55
		1745.0	-0.20	1 / 23	24.55	24.35	0.272	30.00	-5.65
		1777.5	-0.20	1 / 12	24.70	24.50	0.282	30.00	-5.50
	16-QAM	1777.5	-0.20	1 / 23	23.78	23.58	0.228	30.00	-6.42
	64-QAM	1745.0	-0.20	1 / 1	22.83	22.63	0.183	30.00	-7.37
10 MHz	π/2 BPSK	1715.0	-0.20	1 / 25	24.55	24.35	0.272	30.00	-5.65
		1745.0	-0.20	1 / 25	24.53	24.33	0.271	30.00	-5.67
		1775.0	-0.20	1 / 25	24.46	24.26	0.267	30.00	-5.74
	QPSK	1715.0	-0.20	1 / 25	24.57	24.37	0.274	30.00	-5.63
		1745.0	-0.20	1 / 1	24.70	24.50	0.282	30.00	-5.50
		1775.0	-0.20	1 / 50	24.64	24.44	0.278	30.00	-5.56
	16-QAM	1775.0	-0.20	1 / 50	23.72	23.52	0.225	30.00	-6.48
	64-QAM	1715.0	-0.20	1 / 25	22.71	22.51	0.178	30.00	-7.49
15 MHz	π/2 BPSK	1715.0	-0.20	1 / 1	19.82	19.62	0.092	30.00	-10.38
		1745.0	-0.20	1 / 1	19.82	19.62	0.092	30.00	-10.38
		1775.0	-0.20	1 / 1	19.82	19.62	0.092	30.00	-10.38
	QPSK	1715.0	-0.20	1 / 1	19.82	19.62	0.092	30.00	-10.38
		1745.0	-0.20	1 / 1	19.82	19.62	0.092	30.00	-10.38
		1775.0	-0.20	1 / 1	19.82	19.62	0.092	30.00	-10.38
	16-QAM	1775.0	-0.20	1 / 1	19.82	19.62	0.092	30.00	-10.38
	64-QAM	1715.0	-0.20	1 / 1	19.82	19.62	0.092	30.00	-10.38
20 MHz	π/2 BPSK	1717.5	-0.20	1 / 1	24.64	24.44	0.278	30.00	-5.56
		1745.0	-0.20	1 / 77	24.35	24.15	0.260	30.00	-5.85
		1772.5	-0.20	1 / 36	24.51	24.31	0.270	30.00	-5.69
	QPSK	1717.5	-0.20	1 / 77	24.37	24.17	0.261	30.00	-5.83
		1745.0	-0.20	1 / 77	24.70	24.50	0.282	30.00	-5.50
		1772.5	-0.20	1 / 77	24.49	24.29	0.269	30.00	-5.71
	16-QAM	1745.0	-0.20	1 / 1	23.68	23.48	0.223	30.00	-6.52
	64-QAM	1717.5	-0.20	1 / 36	22.65	22.45	0.176	30.00	-7.55
25 MHz	π/2 BPSK	1722.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1772.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	QPSK	1722.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1772.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	16-QAM	1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	64-QAM	1717.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
30 MHz	π/2 BPSK	1722.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1772.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	QPSK	1722.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1772.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	16-QAM	1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	64-QAM	1717.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
35 MHz	π/2 BPSK	1722.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1772.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	QPSK	1722.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1772.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	16-QAM	1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	64-QAM	1717.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
40 MHz	π/2 BPSK	1722.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1772.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	QPSK	1722.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
		1772.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	16-QAM	1745.0	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46
	64-QAM	1717.5	-0.20	1 / 36	19.74	19.54	0.090	30.00	-10.46

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 296 of 352

V2.2 09/07/2023

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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	-1.50	1 / 23	24.51	23.01	0.200	30.00	-6.99
		1702.5	-1.50	1 / 23	24.60	23.10	0.204	30.00	-6.90
		1707.5	-1.50	1 / 12	24.55	23.05	0.202	30.00	-6.95
	QPSK	1697.5	-1.50	1 / 1	24.46	22.96	0.198	30.00	-7.04
		1702.5	-1.50	1 / 23	24.63	23.13	0.206	30.00	-6.87
		1707.5	-1.50	1 / 23	24.70	23.20	0.209	30.00	-6.80
	16-QAM	1702.5	-1.50	1 / 23	23.65	22.15	0.164	30.00	-7.85
	64-QAM	1702.5	-1.50	1 / 12	22.61	21.11	0.129	30.00	-8.89
	256-QAM	1702.5	-1.50	1 / 12	19.81	18.31	0.068	30.00	-11.69
10 MHz	$\pi/2$ BPSK	1700.0	-1.50	1 / 50	24.68	23.18	0.208	30.00	-6.82
		1702.5	-1.50	1 / 1	24.59	23.09	0.204	30.00	-6.91
		1705.0	-1.50	1 / 25	24.63	23.13	0.206	30.00	-6.87
	QPSK	1700.0	-1.50	1 / 50	24.69	23.19	0.208	30.00	-6.81
		1702.5	-1.50	1 / 50	24.70	23.20	0.209	30.00	-6.80
		1705.0	-1.50	1 / 1	24.63	23.13	0.206	30.00	-6.87
	16-QAM	1700.0	-1.50	1 / 50	23.68	22.18	0.165	30.00	-7.82
	64-QAM	1705.0	-1.50	1 / 25	22.67	21.17	0.131	30.00	-8.83
15 MHz	256-QAM	1700.0	-1.50	1 / 25	19.81	18.31	0.068	30.00	-11.69
	$\pi/2$ BPSK	1702.5	-1.50	1 / 77	24.59	23.09	0.204	30.00	-6.91
	QPSK	1702.5	-1.50	1 / 77	24.50	23.00	0.200	30.00	-7.00
	16-QAM	1702.5	-1.50	1 / 1	23.69	22.19	0.166	30.00	-7.81
	64-QAM	1702.5	-1.50	1 / 36	22.57	21.07	0.128	30.00	-8.93
	256-QAM	1702.5	-1.50	1 / 77	19.67	18.17	0.066	30.00	-11.83

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 297 of 352

V2.2 09/07/2023

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.70	-0.20	24.50	0.282	30.00	-5.50
1732.60	WCDMA1700	24.67	-0.20	24.47	0.280	30.00	-5.53
1752.60	WCDMA1700	24.60	-0.20	24.40	0.275	30.00	-5.60

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 298 of 352

V2.2 09/07/2023

7.6.5 Antenna 1b – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-0.80	1 / 0	24.46	23.66	0.232	30.00	-6.34
		1745.0	-0.80	1 / 3	24.56	23.76	0.238	30.00	-6.24
		1779.3	-0.80	1 / 0	24.36	23.56	0.227	30.00	-6.44
	16-QAM	1745.0	-0.80	1 / 5	23.70	22.90	0.195	30.00	-7.10
	64-QAM	1710.7	-0.80	1 / 5	22.68	21.88	0.154	30.00	-8.12
	256-QAM	1710.7	-0.80	1 / 0	19.73	18.93	0.078	30.00	-11.07
3 MHz	QPSK	1711.5	-0.80	1 / 14	24.57	23.77	0.238	30.00	-6.23
		1745.0	-0.80	1 / 7	24.66	23.86	0.243	30.00	-6.14
		1778.5	-0.80	1 / 0	24.67	23.87	0.244	30.00	-6.13
	16-QAM	1711.5	-0.80	1 / 0	23.75	22.95	0.197	30.00	-7.05
	64-QAM	1745.0	-0.80	1 / 0	22.70	21.90	0.155	30.00	-8.10
	256-QAM	1745.0	-0.80	1 / 7	19.83	19.03	0.080	30.00	-10.97
5 MHz	QPSK	1712.5	-0.80	1 / 24	24.42	23.62	0.230	30.00	-6.38
		1745.0	-0.80	1 / 24	24.66	23.86	0.243	30.00	-6.14
		1777.5	-0.80	1 / 0	24.63	23.83	0.242	30.00	-6.17
	16-QAM	1745.0	-0.80	1 / 24	23.71	22.91	0.195	30.00	-7.09
	64-QAM	1777.5	-0.80	1 / 24	22.71	21.91	0.155	30.00	-8.09
	256-QAM	1745.0	-0.80	1 / 0	19.83	19.03	0.080	30.00	-10.97
10 MHz	QPSK	1715.0	-0.80	1 / 49	24.45	23.65	0.232	30.00	-6.35
		1745.0	-0.80	1 / 49	24.54	23.74	0.237	30.00	-6.26
		1775.0	-0.80	1 / 49	24.63	23.83	0.242	30.00	-6.17
	16-QAM	1745.0	-0.80	1 / 49	23.66	22.86	0.193	30.00	-7.14
	64-QAM	1775.0	-0.80	1 / 25	22.62	21.82	0.152	30.00	-8.18
	256-QAM	1715.0	-0.80	1 / 25	19.76	18.96	0.079	30.00	-11.04
15 MHz	QPSK	1717.5	-0.80	1 / 37	24.60	23.80	0.240	30.00	-6.20
		1745.0	-0.80	1 / 37	24.66	23.86	0.243	30.00	-6.14
		1772.5	-0.80	1 / 74	24.70	23.90	0.245	30.00	-6.10
	16-QAM	1717.5	-0.80	1 / 37	23.71	22.91	0.195	30.00	-7.09
	64-QAM	1745.0	-0.80	1 / 0	22.71	21.91	0.155	30.00	-8.09
	256-QAM	1717.5	-0.80	1 / 37	19.79	18.99	0.079	30.00	-11.01
	QPSK	1720.0	-0.80	1 / 0	24.49	23.69	0.234	30.00	-6.31
		1745.0	-0.80	1 / 0	24.32	23.52	0.225	30.00	-6.48
		1770.0	-0.80	1 / 50	24.59	23.79	0.239	30.00	-6.21
	16-QAM	1745.0	-0.80	1 / 0	23.70	22.90	0.195	30.00	-7.10
20 MHz	64-QAM	1720.0	-0.80	1 / 0	22.60	21.80	0.151	30.00	-8.20
	256-QAM	1770.0	-0.80	1 / 99	19.79	18.99	0.079	30.00	-11.01

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 299 of 352

V2.2 09/07/2023

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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 / 5	24.70	23.90	0.245	30.00	-6.10
		1732.5	-0.80	1 / 0	24.57	23.77	0.238	30.00	-6.23
		1754.3	-0.80	1 / 5	24.39	23.59	0.229	30.00	-6.41
	16-QAM	1710.7	-0.80	1 / 0	23.69	22.89	0.195	30.00	-7.11
	64-QAM	1754.3	-0.80	1 / 3	22.69	21.89	0.155	30.00	-8.11
	256-QAM	1754.3	-0.80	1 / 5	19.69	18.89	0.077	30.00	-11.11
3 MHz	QPSK	1711.5	-0.80	1 / 0	24.57	23.77	0.238	30.00	-6.23
		1732.5	-0.80	1 / 0	24.70	23.90	0.245	30.00	-6.10
		1753.5	-0.80	1 / 0	24.57	23.77	0.238	30.00	-6.23
	16-QAM	1732.5	-0.80	1 / 0	23.73	22.93	0.196	30.00	-7.07
	64-QAM	1711.5	-0.80	1 / 0	22.74	21.94	0.156	30.00	-8.06
	256-QAM	1732.5	-0.80	1 / 0	19.82	19.02	0.080	30.00	-10.98
5 MHz	QPSK	1712.5	-0.80	1 / 0	24.69	23.89	0.245	30.00	-6.11
		1732.5	-0.80	1 / 12	24.59	23.79	0.239	30.00	-6.21
		1752.5	-0.80	1 / 24	24.62	23.82	0.241	30.00	-6.18
	16-QAM	1712.5	-0.80	1 / 12	23.69	22.89	0.195	30.00	-7.11
	64-QAM	1712.5	-0.80	1 / 12	22.62	21.82	0.152	30.00	-8.18
	256-QAM	1712.5	-0.80	1 / 12	19.69	18.89	0.077	30.00	-11.11
10 MHz	QPSK	1715.0	-0.80	1 / 49	24.62	23.82	0.241	30.00	-6.18
		1732.5	-0.80	1 / 49	24.56	23.76	0.238	30.00	-6.24
		1750.0	-0.80	1 / 49	24.51	23.71	0.235	30.00	-6.29
	16-QAM	1732.5	-0.80	1 / 49	23.70	22.90	0.195	30.00	-7.10
	64-QAM	1750.0	-0.80	1 / 0	22.68	21.88	0.154	30.00	-8.12
	256-QAM	1715.0	-0.80	1 / 0	19.74	18.94	0.078	30.00	-11.06
15 MHz	QPSK	1717.5	-0.80	1 / 0	24.58	23.78	0.239	30.00	-6.22
		1732.5	-0.80	1 / 0	24.66	23.86	0.243	30.00	-6.14
		1747.5	-0.80	1 / 0	24.70	23.90	0.245	30.00	-6.10
	16-QAM	1732.5	-0.80	1 / 37	23.68	22.88	0.194	30.00	-7.12
	64-QAM	1732.5	-0.80	1 / 0	22.64	21.84	0.153	30.00	-8.16
	256-QAM	1747.5	-0.80	1 / 0	19.79	18.99	0.079	30.00	-11.01
20 MHz	QPSK	1720.0	-0.80	1 / 99	24.68	23.88	0.244	30.00	-6.12
		1732.5	-0.80	1 / 50	24.61	23.81	0.240	30.00	-6.19
		1745.0	-0.80	1 / 50	24.70	23.90	0.245	30.00	-6.10
	16-QAM	1732.5	-0.80	1 / 0	23.70	22.90	0.195	30.00	-7.10
	64-QAM	1745.0	-0.80	1 / 50	22.65	21.85	0.153	30.00	-8.15
	256-QAM	1720.0	-0.80	1 / 50	19.82	19.02	0.080	30.00	-10.98

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 300 of 352

V2.2 09/07/2023

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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	$\pi/2$ BPSK	1712.5	-0.80	1 / 23	24.67	23.87	0.244	30.00	-6.13
		1745.0	-0.80	1 / 1	24.57	23.77	0.238	30.00	-6.23
		1777.5	-0.80	1 / 1	24.44	23.64	0.231	30.00	-6.36
	QPSK	1712.5	-0.80	1 / 1	24.64	23.84	0.242	30.00	-6.16
		1745.0	-0.80	1 / 1	24.58	23.78	0.239	30.00	-6.22
		1777.5	-0.80	1 / 1	24.70	23.90	0.245	30.00	-6.10
	16-QAM	1712.5	-0.80	1 / 23	23.69	22.89	0.195	30.00	-7.11
	64-QAM	1745.0	-0.80	1 / 23	22.58	21.78	0.151	30.00	-8.22
	256-QAM	1745.0	-0.80	1 / 12	19.80	19.00	0.079	30.00	-11.00
10 MHz	$\pi/2$ BPSK	1715.0	-0.80	1 / 25	24.54	23.74	0.237	30.00	-6.26
		1745.0	-0.80	1 / 25	24.67	23.87	0.244	30.00	-6.13
		1775.0	-0.80	1 / 50	24.60	23.80	0.240	30.00	-6.20
	QPSK	1715.0	-0.80	1 / 25	24.53	23.73	0.236	30.00	-6.27
		1745.0	-0.80	1 / 25	24.28	23.48	0.223	30.00	-6.52
		1775.0	-0.80	1 / 50	24.70	23.90	0.245	30.00	-6.10
	16-QAM	1775.0	-0.80	1 / 1	23.72	22.92	0.196	30.00	-7.08
	64-QAM	1715.0	-0.80	1 / 50	22.71	21.91	0.155	30.00	-8.09
	256-QAM	1715.0	-0.80	1 / 50	19.75	18.95	0.079	30.00	-11.05
15 MHz	$\pi/2$ BPSK	1717.5	-0.80	1 / 77	24.59	23.79	0.239	30.00	-6.21
		1745.0	-0.80	1 / 77	24.64	23.84	0.242	30.00	-6.16
		1772.5	-0.80	1 / 1	24.68	23.88	0.244	30.00	-6.12
	QPSK	1717.5	-0.80	1 / 1	24.54	23.74	0.237	30.00	-6.26
		1745.0	-0.80	1 / 1	24.62	23.82	0.241	30.00	-6.18
		1772.5	-0.80	1 / 36	24.70	23.90	0.245	30.00	-6.10
	16-QAM	1717.5	-0.80	1 / 77	23.72	22.92	0.196	30.00	-7.08
	64-QAM	1772.5	-0.80	1 / 77	22.80	22.00	0.158	30.00	-8.00
	256-QAM	1745.0	-0.80	1 / 36	19.87	19.07	0.081	30.00	-10.93
20 MHz	$\pi/2$ BPSK	1720.0	-0.80	1 / 1	24.57	23.77	0.238	30.00	-6.23
		1745.0	-0.80	1 / 50	24.58	23.78	0.239	30.00	-6.22
		1770.0	-0.80	1 / 50	24.70	23.90	0.245	30.00	-6.10
	QPSK	1720.0	-0.80	1 / 1	24.53	23.73	0.236	30.00	-6.27
		1745.0	-0.80	1 / 104	24.49	23.69	0.234	30.00	-6.31
		1770.0	-0.80	1 / 1	24.44	23.64	0.231	30.00	-6.36
	16-QAM	1770.0	-0.80	1 / 104	23.59	22.79	0.190	30.00	-7.21
	64-QAM	1745.0	-0.80	1 / 50	22.61	21.81	0.152	30.00	-8.19
	256-QAM	1745.0	-0.80	1 / 1	19.78	18.98	0.079	30.00	-11.02
25 MHz	$\pi/2$ BPSK	1722.5	-0.80	1 / 1	24.66	23.86	0.243	30.00	-6.14
		1745.0	-0.80	1 / 131	24.53	23.73	0.236	30.00	-6.27
		1767.5	-0.80	1 / 131	24.62	23.82	0.241	30.00	-6.18
	QPSK	1722.5	-0.80	1 / 1	24.68	23.88	0.244	30.00	-6.12
		1745.0	-0.80	1 / 131	24.65	23.85	0.243	30.00	-6.15
		1767.5	-0.80	1 / 1	24.70	23.90	0.245	30.00	-6.10
	16-QAM	1722.5	-0.80	1 / 64	23.58	22.78	0.190	30.00	-7.22
	64-QAM	1745.0	-0.80	1 / 1	22.64	21.84	0.153	30.00	-8.16
	256-QAM	1767.5	-0.80	1 / 64	19.73	18.93	0.078	30.00	-11.07
30 MHz	$\pi/2$ BPSK	1725.0	-0.80	1 / 1	24.60	23.80	0.240	30.00	-6.20
		1745.0	-0.80	1 / 158	24.59	23.79	0.239	30.00	-6.21
		1765.0	-0.80	1 / 1	24.43	23.63	0.231	30.00	-6.37
	QPSK	1725.0	-0.80	1 / 1	24.66	23.86	0.243	30.00	-6.14
		1745.0	-0.80	1 / 1	24.70	23.90	0.245	30.00	-6.10
		1765.0	-0.80	1 / 158	24.66	23.86	0.243	30.00	-6.14
	16-QAM	1725.0	-0.80	1 / 158	23.70	22.90	0.195	30.00	-7.10
	64-QAM	1745.0	-0.80	1 / 158	22.67	21.87	0.154	30.00	-8.13
	256-QAM	1745.0	-0.80	1 / 80	19.75	18.95	0.079	30.00	-11.05
35 MHz	$\pi/2$ BPSK	1727.5	-0.80	1 / 1	24.70	23.90	0.245	30.00	-6.10
		1745.0	-0.80	1 / 1	24.67	23.87	0.244	30.00	-6.13
		1762.5	-0.80	1 / 1	24.56	23.76	0.238	30.00	-6.24
	QPSK	1725.0	-0.80	1 / 1	24.66	23.86	0.243	30.00	-6.14
		1745.0	-0.80	1 / 186	24.59	23.79	0.239	30.00	-6.21
		1765.0	-0.80	1 / 186	24.68	23.88	0.244	30.00	-6.12
	16-QAM	1745.0	-0.80	1 / 90	23.65	22.85	0.193	30.00	-7.15
	64-QAM	1725.0	-0.80	1 / 186	22.64	21.84	0.153	30.00	-8.16
	256-QAM	1765.0	-0.80	1 / 186	19.77	18.97	0.079	30.00	-11.03
40 MHz	$\pi/2$ BPSK	1730.0	-0.80	1 / 1	24.70	23.90	0.245	30.00	-6.10
		1745.0	-0.80	1 / 214	24.57	23.77	0.238	30.00	-6.23
		1760.0	-0.80	1 / 1	24.52	23.72	0.236	30.00	-6.28
	QPSK	1730.0	-0.80	1 / 1	24.62	23.82	0.241	30.00	-6.18
		1745.0	-0.80	1 / 214	24.54	23.74	0.237	30.00	-6.26
		1760.0	-0.80	1 / 108	24.68	23.88	0.244	30.00	-6.12
	16-QAM	1745.0	-0.80	1 / 108	23.71	22.91	0.195	30.00	-7.09
	64-QAM	1760.0	-0.80	1 / 1	22.72	21.92	0.156	30.00	-8.08
	256-QAM	1760.0	-0.80	1 / 108	19.80	19.00	0.079	30.00	-11.00

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 301 of 352

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	-2.40	1 / 12	24.56	22.16	0.164	30.00	-7.84
		1702.5	-2.40	1 / 1	24.65	22.25	0.168	30.00	-7.75
		1707.5	-2.40	1 / 12	24.35	21.95	0.157	30.00	-8.05
	QPSK	1697.5	-2.40	1 / 23	24.68	22.28	0.169	30.00	-7.72
		1702.5	-2.40	1 / 1	24.58	22.18	0.165	30.00	-7.82
		1707.5	-2.40	1 / 1	24.70	22.30	0.170	30.00	-7.70
	16-QAM	1707.5	-2.40	1 / 12	23.59	21.19	0.132	30.00	-8.81
	64-QAM	1697.5	-2.40	1 / 1	22.68	20.28	0.107	30.00	-9.72
	256-QAM	1707.5	-2.40	1 / 23	19.79	17.39	0.055	30.00	-12.61
10 MHz	$\pi/2$ BPSK	1700.0	-2.40	1 / 50	24.54	22.14	0.164	30.00	-7.86
		1702.5	-2.40	1 / 1	24.48	22.08	0.161	30.00	-7.92
		1705.0	-2.40	1 / 25	24.60	22.20	0.166	30.00	-7.80
	QPSK	1700.0	-2.40	1 / 50	24.58	22.18	0.165	30.00	-7.82
		1702.5	-2.40	1 / 50	24.70	22.30	0.170	30.00	-7.70
		1705.0	-2.40	1 / 1	24.47	22.07	0.161	30.00	-7.93
	16-QAM	1702.5	-2.40	1 / 1	23.65	21.25	0.133	30.00	-8.75
	64-QAM	1705.0	-2.40	1 / 50	22.68	20.28	0.107	30.00	-9.72
15 MHz	256-QAM	1700.0	-2.40	1 / 50	19.73	17.33	0.054	30.00	-12.67
	$\pi/2$ BPSK	1702.5	-2.40	1 / 36	24.50	22.10	0.162	30.00	-7.90
	QPSK	1702.5	-2.40	1 / 77	24.64	22.24	0.167	30.00	-7.76
	16-QAM	1702.5	-2.40	1 / 1	23.59	21.19	0.132	30.00	-8.81
	64-QAM	1702.5	-2.40	1 / 1	22.70	20.30	0.107	30.00	-9.70
	256-QAM	1702.5	-2.40	1 / 1	19.62	17.22	0.053	30.00	-12.78

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 302 of 352

V2.2 09/07/2023

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	23.32	-0.80	22.52	0.179	30.00	-7.48
1732.60	WCDMA1700	23.65	-0.80	22.85	0.193	30.00	-7.15
1752.60	WCDMA1700	23.70	-0.80	22.90	0.195	30.00	-7.10

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 303 of 352

V2.2 09/07/2023

7.7 Radiated Spurious Emissions

§2.1053, §27.53(f)

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

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

Test Settings

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

FCC ID: BCGA3355		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 304 of 352

V2.2 09/07/2023

Test Setup

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

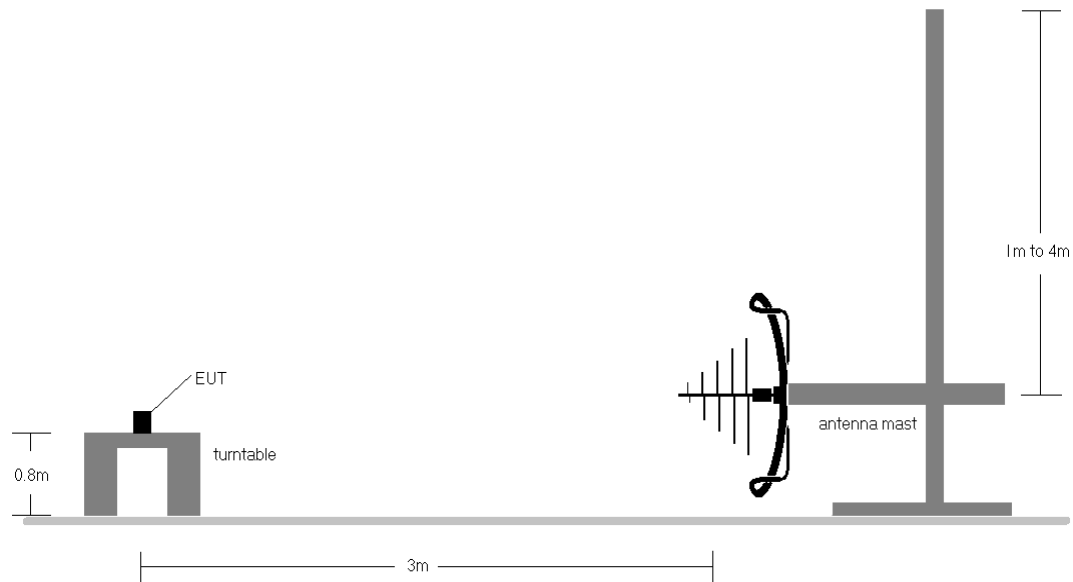


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

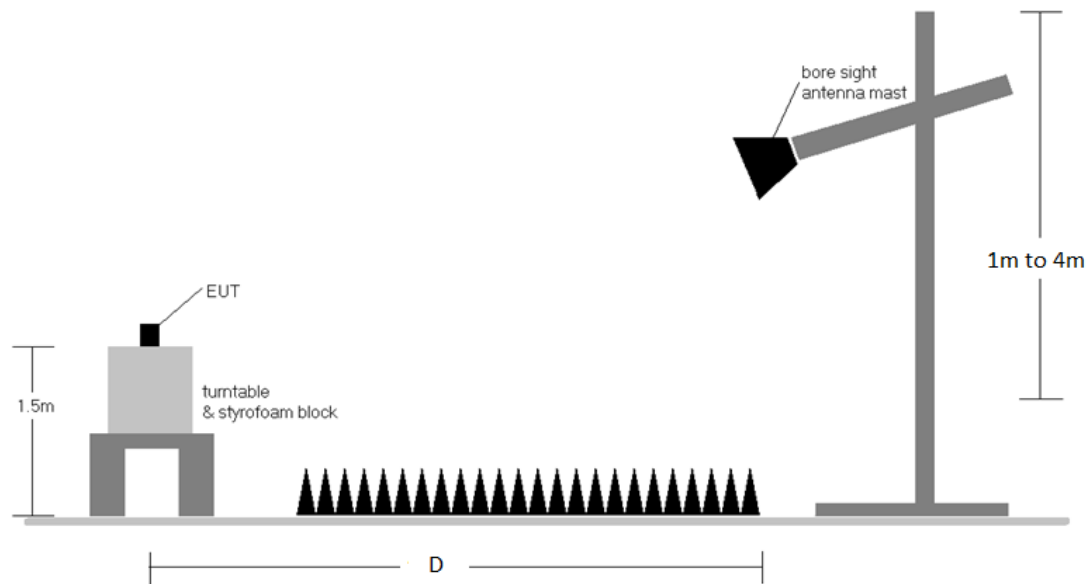


Figure 7-12. Test Instrument & Measurement Setup > 1GHz

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 305 of 352

V2.2 09/07/2023

Test Notes

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 306 of 352

V2.2 09/07/2023

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	-	-	-77.49	2.14	31.65	-63.60	-13.00	-50.60
5160.0	V	-	-	-79.10	5.40	33.30	-61.96	-13.00	-48.96
6880.0	H	-	-	-80.19	9.60	36.41	-58.85	-13.00	-45.85

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	-	-	-77.47	2.28	31.82	-63.44	-13.00	-50.44
5235.0	V	-	-	-79.17	5.34	33.17	-62.09	-13.00	-49.09
6980.0	H	-	-	-80.04	9.84	36.80	-58.46	-13.00	-45.46

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	-	-	-77.11	2.49	32.38	-62.88	-13.00	-49.88
5310.0	V	-	-	-79.09	6.14	34.05	-61.21	-13.00	-48.21
7080.0	H	-	-	-80.02	9.18	36.16	-59.09	-13.00	-46.09

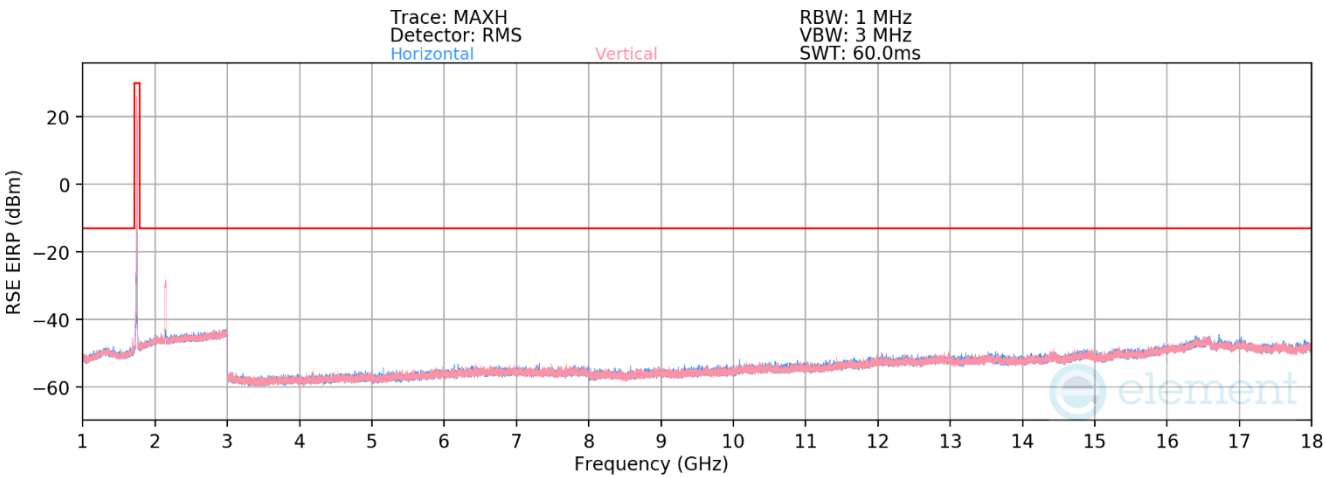
Table 7-36. Antenna 4 Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 307 of 352

V2.2 09/07/2023

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NR Band n66



Plot 7-478. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n66)

FCC ID: BCGA3355	elementPART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 308 of 352

V2.2 09/07/2023

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-75.67	0.21	31.53	-63.73	-13.00	-50.73
5190.0	H	-	-	-77.77	3.75	32.98	-62.28	-13.00	-49.28
6920.0	V	-	-	-78.55	6.05	34.50	-60.76	-13.00	-47.76

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	-	-	-75.56	0.21	31.65	-63.61	-13.00	-50.61
5235.0	H	-	-	-78.07	3.75	32.68	-62.58	-13.00	-49.58
6980.0	V	-	-	-78.72	6.26	34.55	-60.71	-13.00	-47.71

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

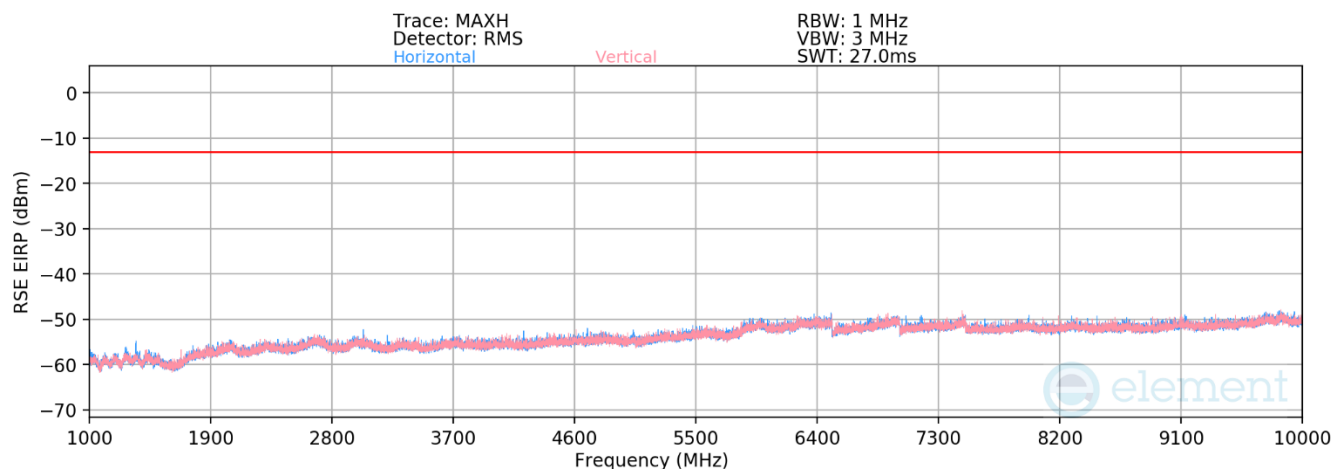
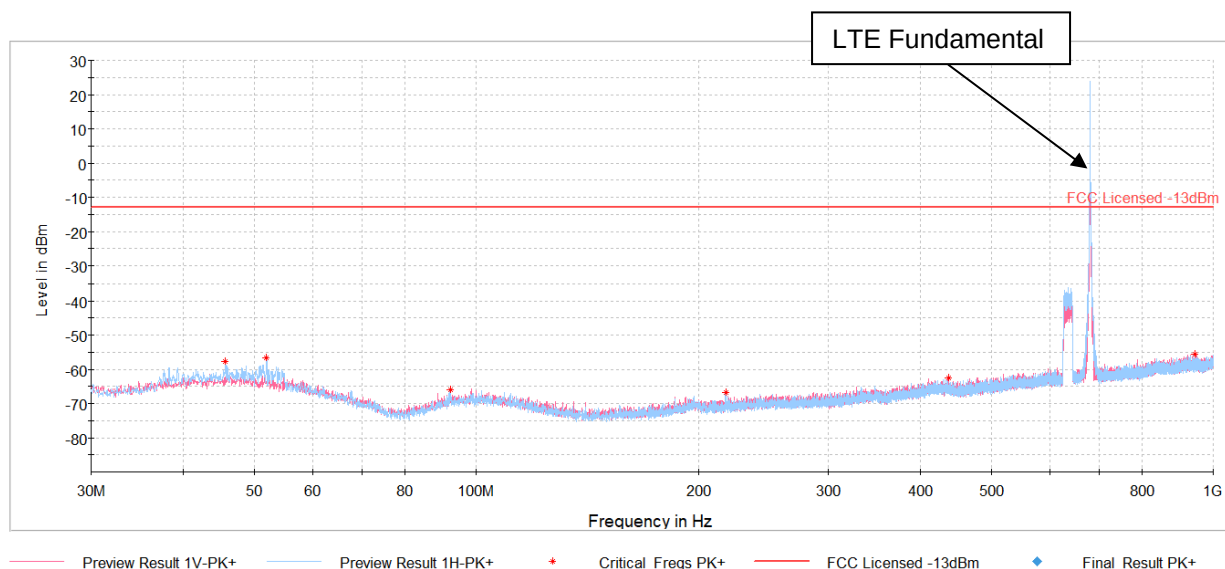
Bandwidth (MHz):	40
Frequency (MHz):	1760.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	V	-	-	-75.69	0.38	31.69	-63.56	-13.00	-50.56
5280.0	H	-	-	-77.91	3.79	32.88	-62.37	-13.00	-49.37
7040.0	V	-	-	-78.54	6.34	34.80	-60.46	-13.00	-47.46

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 309 of 352

LTE Band 71



FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device
		Page 310 of 352

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	127	132	-67.37	-4.45	35.18	-60.07	-13.00	-47.07
2019.0	H	-	-	-73.56	-0.63	32.81	-62.45	-13.00	-49.45
2692.0	V	-	-	-74.95	1.84	33.89	-61.37	-13.00	-48.37
3365.0	V	-	-	-75.99	2.27	33.28	-61.98	-13.00	-48.98

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	-	-	-71.89	-4.77	30.34	-64.92	-13.00	-51.92
2041.5	H	-	-	-72.55	-0.63	33.81	-61.44	-13.00	-48.44
2722.0	V	-	-	-75.10	1.85	33.75	-61.50	-13.00	-48.50

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

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

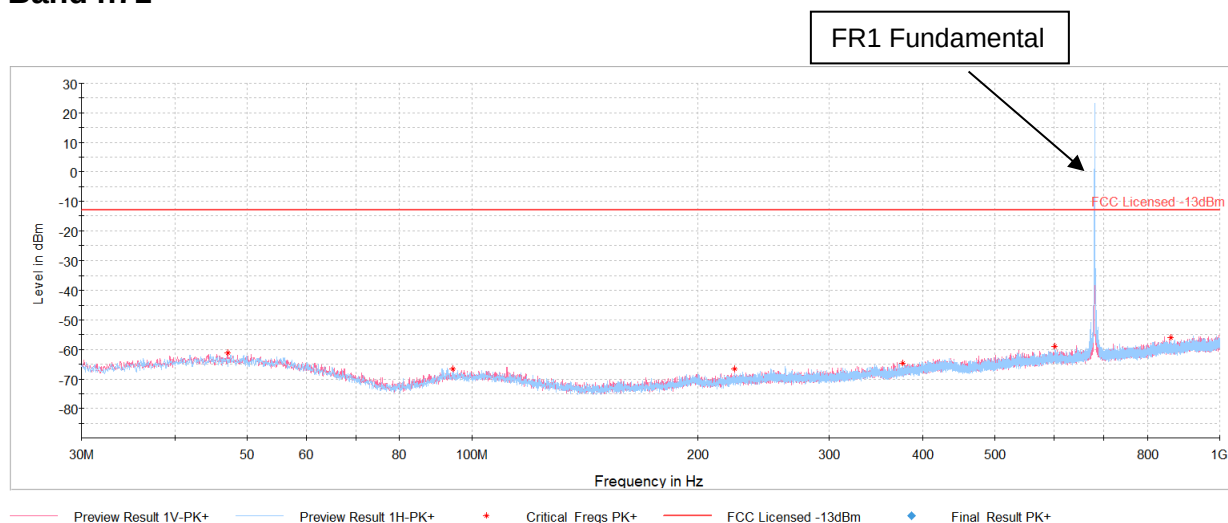
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	V	-	-	-71.08	-5.27	30.65	-64.61	-13.00	-51.61
2064.0	H	-	-	-71.89	-2.31	32.80	-62.46	-13.00	-49.46
2752.0	H	-	-	-74.47	0.33	32.87	-62.39	-13.00	-49.39

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

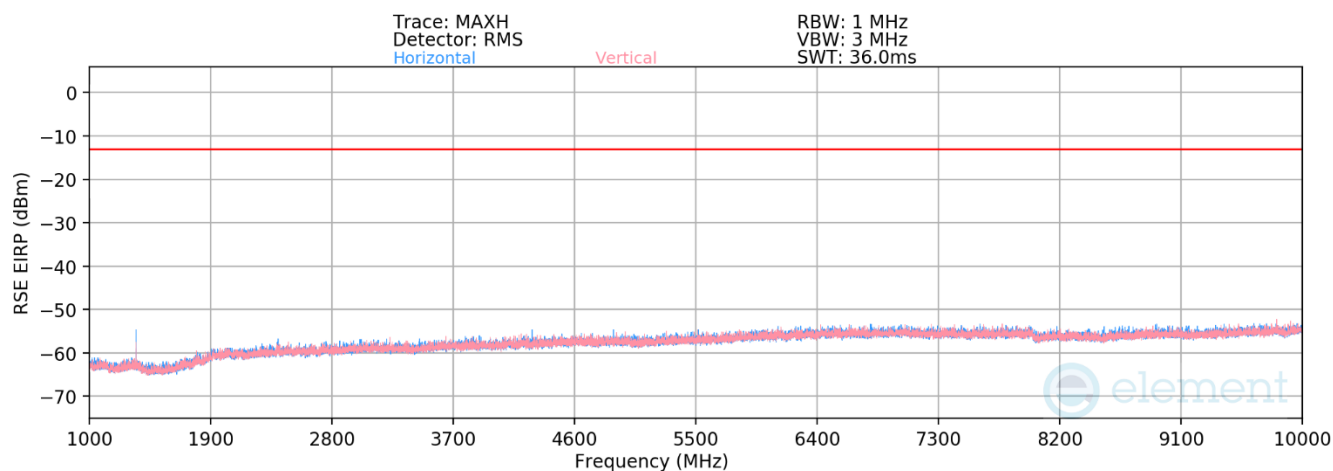
FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 311 of 352

V2.2 09/07/2023

NR Band n71



Plot 7-481. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n71)



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

FCC ID: BCGA3355		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 312 of 352

V2.2 09/07/2023

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	252	239	-64.63	-5.30	37.07	-58.19	-13.00	-45.19
2019.0	H	-	-	-74.64	-2.42	29.94	-65.32	-13.00	-52.32
2692.0	V	-	-	-75.45	-1.35	30.20	-65.06	-13.00	-52.06
3365.0	H	-	-	-76.09	0.02	30.93	-64.33	-13.00	-51.33

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	H	140	207	-65.48	-5.39	36.13	-59.12	-13.00	-46.12
2041.5	H	122	47	-68.60	-2.26	36.14	-59.12	-13.00	-46.12
2722.0	H	-	-	-75.32	-1.30	30.38	-64.88	-13.00	-51.88
3402.5	H	-	-	-75.66	-0.45	30.89	-64.37	-13.00	-51.37
4083.0	H	-	-	-76.37	1.12	31.76	-63.50	-13.00	-50.50

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

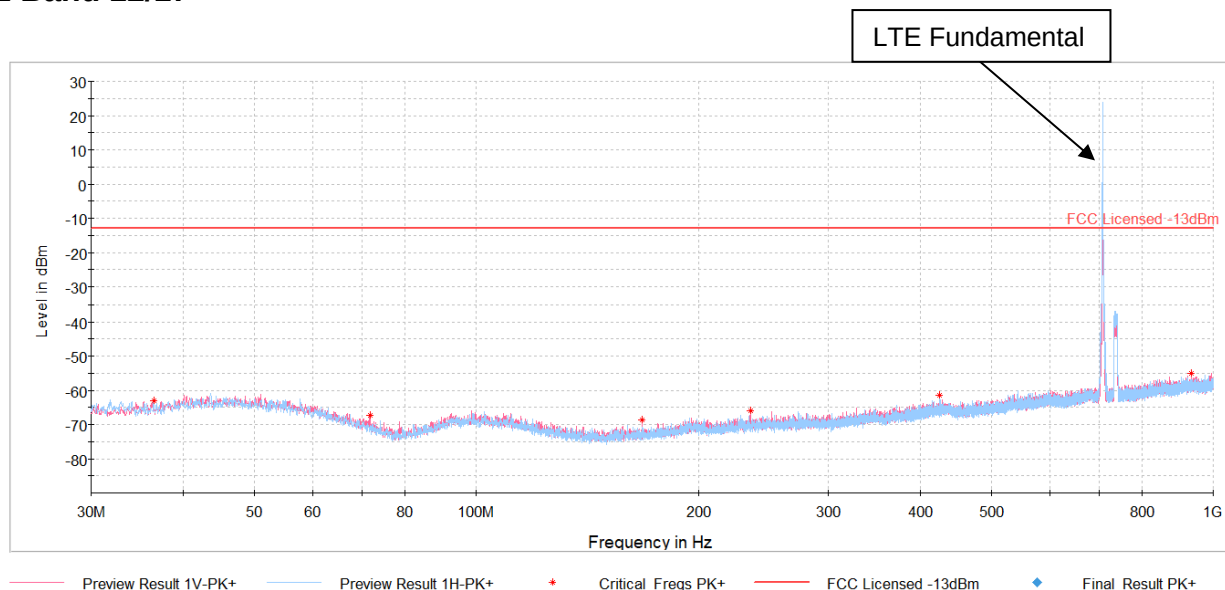
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

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	248	260	-67.09	-5.32	34.59	-60.67	-13.00	-47.67
2064.0	H	184	144	-71.79	-2.27	32.93	-62.32	-13.00	-49.32
2752.0	H	-	-	-75.33	-1.17	30.51	-64.75	-13.00	-51.75
3440.0	V	-	-	-75.78	-0.37	30.86	-64.40	-13.00	-51.40
4128.0	H	-	-	-76.18	1.29	32.12	-63.14	-13.00	-50.14

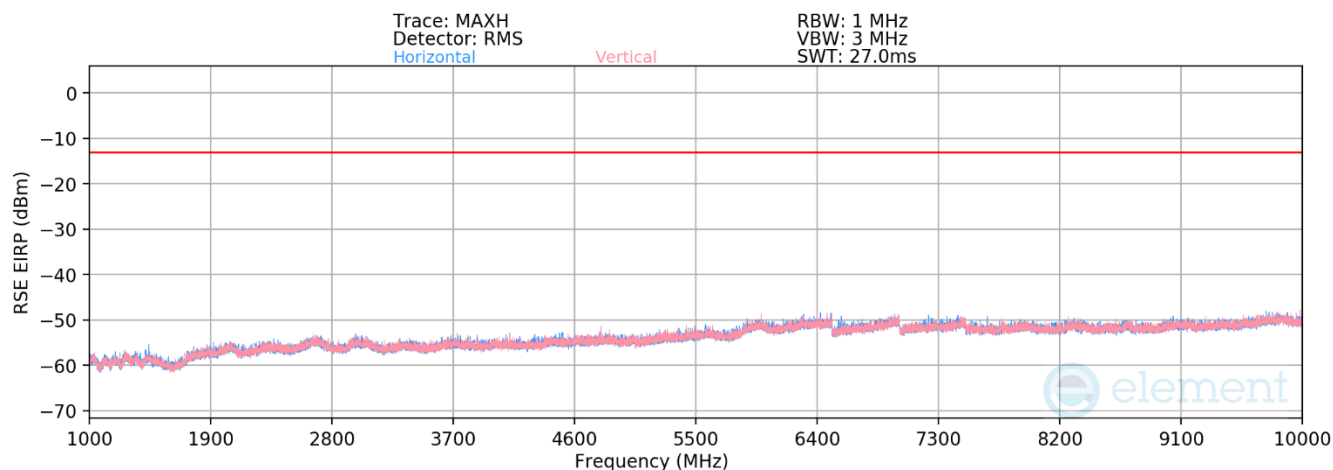
Table 7-45. Antenna 4 Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 313 of 352

LTE Band 12/17



Plot 7-483. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 12/17)



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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 314 of 352

V2.2 09/07/2023

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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	-	-	-71.81	-4.87	30.32	-64.94	-13.00	-51.94
2112.0	V	-	-	-74.13	-1.21	31.66	-63.60	-13.00	-50.60
2816.0	V	-	-	-75.35	0.81	32.47	-62.79	-13.00	-49.79

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	-	-	-71.64	-4.87	30.49	-64.76	-13.00	-51.76
2122.5	V	-	-	-73.93	-1.31	31.76	-63.50	-13.00	-50.50
2830.0	H	-	-	-75.18	0.47	32.29	-62.97	-13.00	-49.97

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

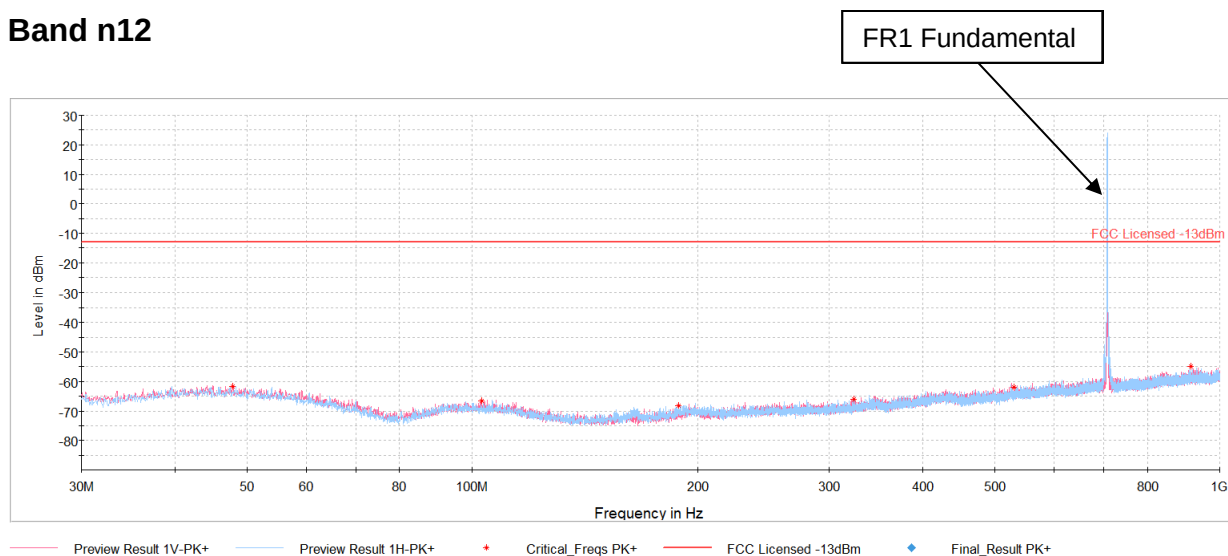
Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

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	-	-	-71.54	-4.87	30.59	-64.67	-13.00	-51.67
2133.0	H	-	-	-73.81	-1.55	31.64	-63.62	-13.00	-50.62
2844.0	V	-	-	-75.02	0.41	32.39	-62.87	-13.00	-49.87

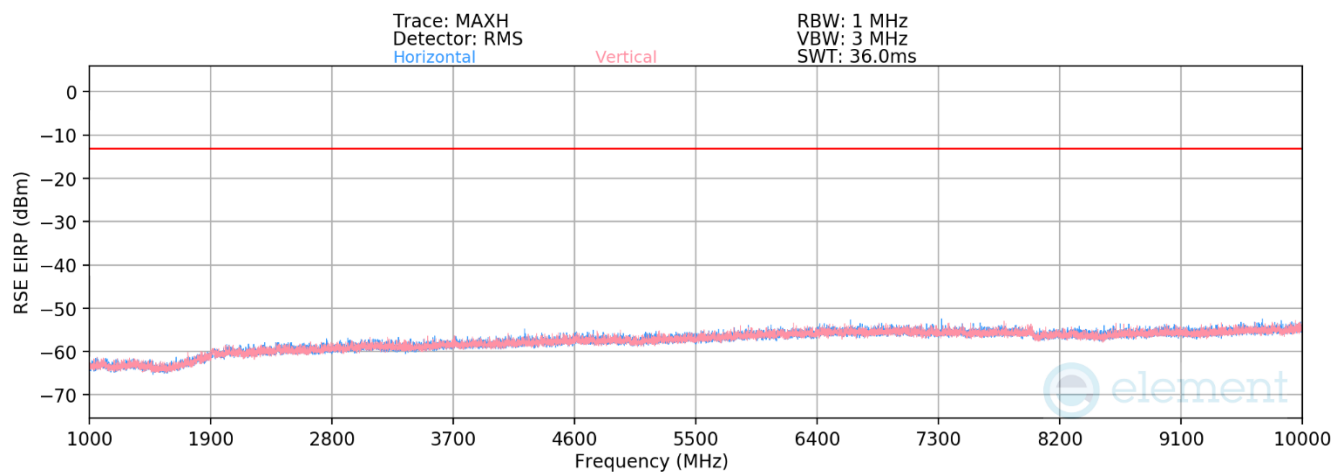
Table 7-48. Antenna 4 Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 315 of 352

NR Band n12



Plot 7-485. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n12)



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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device
		Page 316 of 352

V2.2 09/07/2023

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	H	-	-	-75.67	-5.97	25.36	-69.89	-13.00	-56.89
2119.5	H	-	-	-74.77	-2.44	29.79	-65.47	-13.00	-52.47
2826.0	H	-	-	-75.56	-0.96	30.48	-64.78	-13.00	-51.78

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	-	-	-75.22	-5.88	25.90	-69.35	-13.00	-56.35
2122.5	H	-	-	-74.83	-2.36	29.80	-65.45	-13.00	-52.45
2830.0	H	-	-	-75.63	-0.96	30.40	-64.86	-13.00	-51.86

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

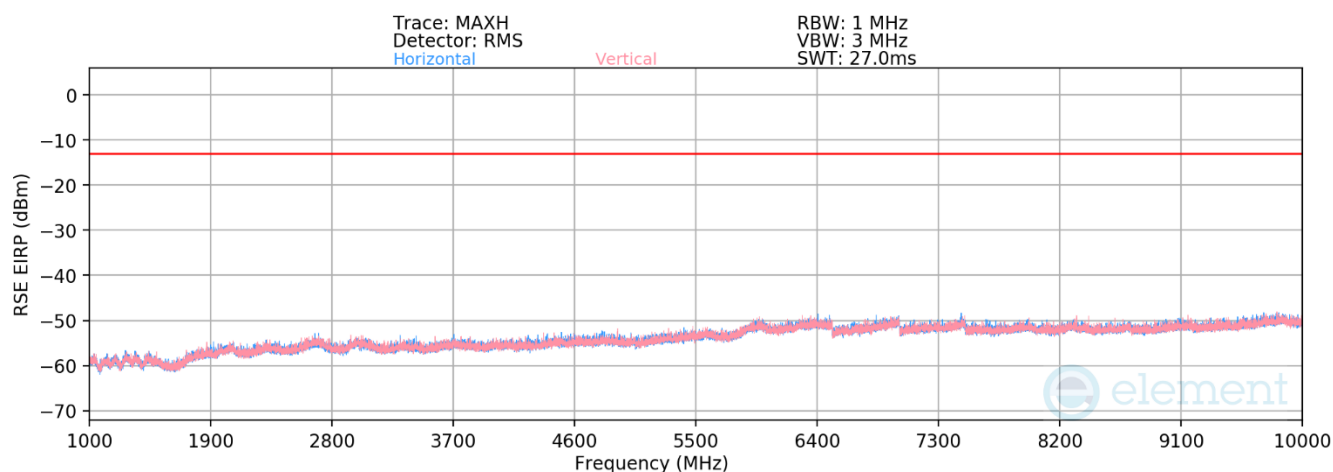
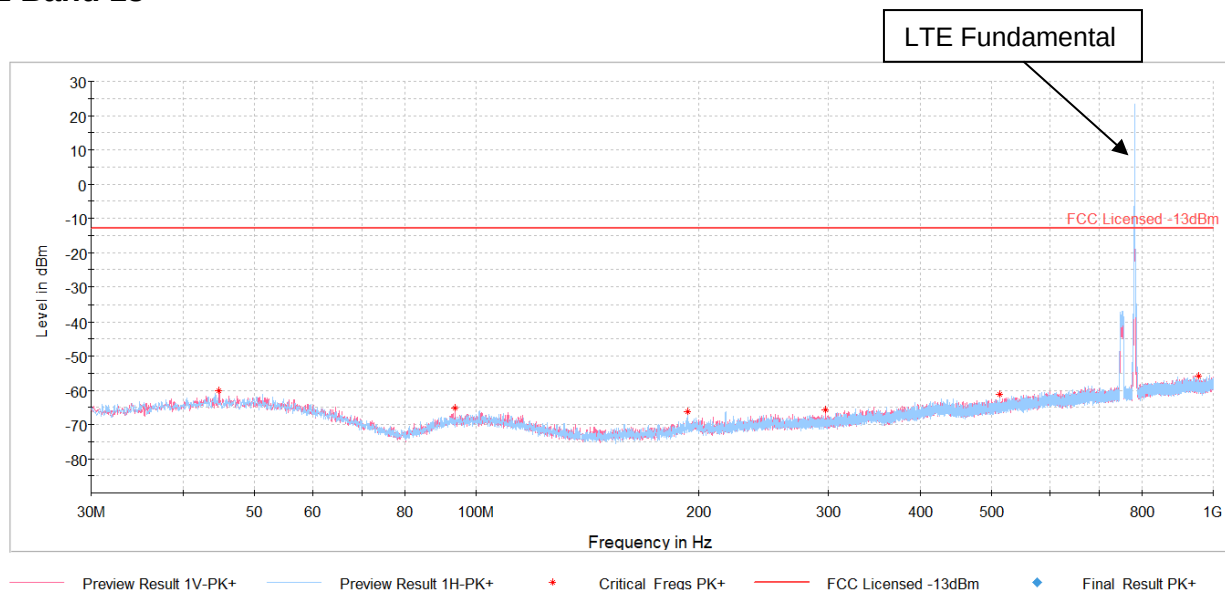
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 37

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	-	-	-75.33	-5.88	25.79	-69.46	-13.00	-56.46
2125.5	H	-	-	-74.92	-2.28	29.80	-65.46	-13.00	-52.46
2834.0	H	-	-	-75.48	-1.08	30.45	-64.81	-13.00	-51.81

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 317 of 352

LTE Band 13



FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device
		Page 318 of 352

V2.2 09/07/2023

Bandwidth (MHz):	5
Frequency (MHz):	779.5
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]
1559.0	H	-	-	-70.81	-5.31	30.88	-64.38	-40.00	-24.38
2338.5	V	-	-	-73.94	-0.04	33.02	-62.24	-13.00	-49.24
3118.0	H	-	-	-75.57	1.84	33.27	-61.99	-13.00	-48.99

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	H	-	-	-70.92	-5.31	30.77	-64.49	-40.00	-24.49
2346.0	H	-	-	-74.39	0.07	32.68	-62.58	-13.00	-49.58
3128.0	V	-	-	-75.64	1.67	33.03	-62.23	-13.00	-49.23

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

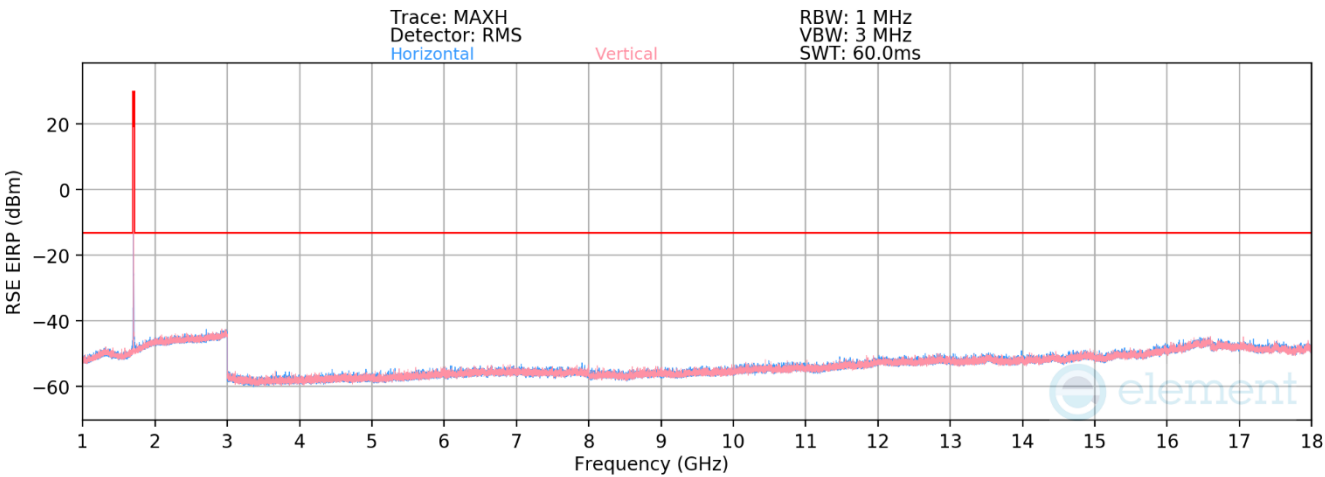
Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	-	-	-70.72	-5.31	30.97	-64.29	-40.00	-24.29
2346.0	V	-	-	-74.06	-0.24	32.70	-62.55	-13.00	-49.55
3128.0	H	-	-	-75.68	1.67	32.99	-62.27	-13.00	-49.27

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 319 of 352

NR Band n70



FCC ID: BCGA3355	element PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 320 of 352

V2.2 09/07/2023

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	-	-	-76.20	0.55	31.35	-63.91	-13.00	-50.91
5100.0	H	-	-	-77.51	3.38	32.86	-62.40	-13.00	-49.40
6800.0	H	-	-	-78.44	5.70	34.25	-61.01	-13.00	-48.01

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	V	-	-	-75.87	0.12	31.25	-64.01	-13.00	-51.01
5107.5	H	-	-	-77.76	3.54	32.78	-62.48	-13.00	-49.48
6810.0	V	-	-	-78.37	5.90	34.54	-60.72	-13.00	-47.72

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	-	-	-75.85	0.12	31.27	-63.99	-13.00	-50.99
5115.0	V	-	-	-77.89	3.62	32.72	-62.54	-13.00	-49.54
6820.0	V	-	-	-78.37	5.90	34.53	-60.72	-13.00	-47.72

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 321 of 352

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	-	-	-77.95	4.65	33.69	-61.56	-13.00	-48.56
5137.2	V	-	-	-79.21	7.65	35.44	-59.82	-13.00	-46.82
6849.6	H	-	-	-79.89	10.40	37.50	-57.75	-13.00	-44.75

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	-	-	-78.04	4.65	33.61	-61.65	-13.00	-48.65
5197.8	H	-	-	-79.74	8.16	35.41	-59.85	-13.00	-46.85
6930.4	V	-	-	-79.95	10.47	37.52	-57.74	-13.00	-44.74

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	-	-	-77.93	4.75	33.82	-61.44	-13.00	-48.44
5257.8	H	-	-	-79.57	8.19	35.62	-59.63	-13.00	-46.63
7010.4	V	-	-	-80.00	10.46	37.46	-57.80	-13.00	-44.80

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 322 of 352

V2.2 09/07/2023

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7.7.2 Antenna 3b – Radiated Spurious Emission Measurement

LTE Band 71

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	-	-	-74.62	-5.41	26.98	-68.28	-13.00	-55.28
2019.0	V	-	-	-74.16	-2.26	30.57	-64.68	-13.00	-51.68
2692.0	V	-	-	-75.06	-1.51	30.43	-64.83	-13.00	-51.83

Table 7-61. Antenna 3b Radiated Spurious Data (LTE Band 71 – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	-	-	-74.71	-5.41	26.89	-68.37	-13.00	-55.37
2041.5	H	-	-	-74.53	-2.26	30.21	-65.05	-13.00	-52.05
2722.0	V	-	-	-75.47	-1.30	30.23	-65.02	-13.00	-52.02

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	V	-	-	-74.67	-5.41	26.92	-68.34	-13.00	-55.34
2064.0	H	-	-	-74.71	-2.26	30.03	-65.23	-13.00	-52.23
2752.0	V	-	-	-75.55	-1.06	30.38	-64.87	-13.00	-51.87

Table 7-63. Antenna 3b Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 323 of 352

V2.2 09/07/2023

NR Band n71

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	110	206	-71.51	-5.30	30.19	-65.06	-13.00	-52.06
2019.0	V	-	-	-74.74	-2.26	30.00	-65.26	-13.00	-52.26
2692.0	V	-	-	-75.37	-1.41	30.22	-65.03	-13.00	-52.03
3365.0	V	-	-	-76.06	0.02	30.95	-64.30	-13.00	-51.30

Table 7-64. Antenna 3b Radiated Spurious Data (NR Band n71 – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	178	264	-68.12	-5.39	33.49	-61.77	-13.00	-48.77
2041.5	V	244	14	-73.02	-2.26	31.71	-63.55	-13.00	-50.55
2722.0	H	-	-	-75.37	-1.30	30.33	-64.93	-13.00	-51.93
3402.5	V	-	-	-76.13	-0.06	30.81	-64.44	-13.00	-51.44
4083.0	V	-	-	-76.18	1.06	31.88	-63.38	-13.00	-50.38

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	-	-	-74.66	-5.41	26.94	-68.32	-13.00	-55.32
2064.0	V	-	-	-74.72	-2.26	30.02	-65.24	-13.00	-52.24
2752.0	H	-	-	-75.33	-1.17	30.51	-64.75	-13.00	-51.75

Table 7-66. Antenna 3b Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 324 of 352

V2.2 09/07/2023

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LTE Band 12/17

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.0	H	-	-	-71.86	-4.87	30.27	-64.99	-13.00	-51.99
2112.0	H	-	-	-74.11	-1.31	31.58	-63.67	-13.00	-50.67
2816.0	H	-	-	-75.27	0.60	32.33	-62.93	-13.00	-49.93

Table 7-67. Antenna 3b Radiated Spurious Data (LTE Band 12/17 – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	H	-	-	-71.78	-4.87	30.36	-64.90	-13.00	-51.90
2122.5	H	-	-	-74.14	-1.31	31.55	-63.71	-13.00	-50.71
2830.0	V	-	-	-75.11	0.47	32.36	-62.90	-13.00	-49.90

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.0	H	-	-	-71.62	-4.87	30.51	-64.75	-13.00	-51.75
2133.0	H	-	-	-74.12	-1.31	31.57	-63.69	-13.00	-50.69
2844.0	H	-	-	-75.14	0.45	32.31	-62.95	-13.00	-49.95

Table 7-69. Antenna 3b Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 325 of 352

V2.2 09/07/2023

NR Band n12

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	H	-	-	-75.67	-5.97	25.36	-69.89	-13.00	-56.89
2119.5	H	-	-	-74.77	-2.44	29.79	-65.47	-13.00	-52.47
2826.0	H	-	-	-75.56	-0.96	30.48	-64.78	-13.00	-51.78

Table 7-70. Antenna 3b Radiated Spurious Data (NR Band n12 – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	H	-	-	-75.22	-5.88	25.90	-69.35	-13.00	-56.35
2122.5	H	-	-	-74.83	-2.36	29.80	-65.45	-13.00	-52.45
2830.0	H	-	-	-75.63	-0.96	30.40	-64.86	-13.00	-51.86

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.0	H	-	-	-75.33	-5.88	25.79	-69.46	-13.00	-56.46
2125.5	H	-	-	-74.92	-2.28	29.80	-65.46	-13.00	-52.46
2834.0	H	-	-	-75.48	-1.08	30.45	-64.81	-13.00	-51.81

Table 7-72. Antenna 3b Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 326 of 352

V2.2 09/07/2023

LTE Band 13

Bandwidth (MHz):	5
Frequency (MHz):	779.5
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]
1559.0	H	-	-	-74.98	-6.54	25.48	-69.78	-40.00	-29.78
2338.5	H	-	-	-75.06	-2.10	29.85	-65.41	-13.00	-52.41
3118.0	H	-	-	-75.54	-0.29	31.17	-64.09	-13.00	-51.09

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	-	-	-74.92	-6.54	25.54	-69.72	-40.00	-29.72
2346.0	V	-	-	-75.13	-2.10	29.77	-65.48	-13.00	-52.48
3128.0	V	-	-	-75.48	-0.29	31.24	-64.02	-13.00	-51.02

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

Bandwidth (MHz):	5
Frequency (MHz):	784.5
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]
1569.0	H	-	-	-74.89	-6.54	25.57	-69.69	-40.00	-29.69
2353.5	V	-	-	-75.00	-2.15	29.85	-65.40	-13.00	-52.40
3138.0	H	-	-	-75.22	-0.29	31.49	-63.77	-13.00	-50.77

Table 7-75. Antenna 3b Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 327 of 352

V2.2 09/07/2023

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7.7.3 Antenna 2b – Radiated Spurious Emission Measurement

LTE Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	-	-	-75.67	0.24	31.57	-63.69	-13.00	-50.69
5160.0	H	-	-	-77.69	3.62	32.93	-62.33	-13.00	-49.33
6880.0	V	-	-	-78.56	6.09	34.53	-60.72	-13.00	-47.72

Table 7-76. Antenna 2b Radiated Spurious Data (LTE Band 66/4 – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-75.45	0.21	31.75	-63.50	-13.00	-50.50
5235.0	V	-	-	-77.89	3.79	32.90	-62.36	-13.00	-49.36
6980.0	V	-	-	-78.69	6.26	34.58	-60.68	-13.00	-47.68

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	H	-	-	-75.74	0.52	31.78	-63.48	-13.00	-50.48
5310.0	V	-	-	-77.71	3.58	32.86	-62.39	-13.00	-49.39
7080.0	H	-	-	-78.62	6.34	34.73	-60.53	-13.00	-47.53

Table 7-78. Antenna 2b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 328 of 352

V2.2 09/07/2023

NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-75.55	0.24	31.69	-63.57	-13.00	-50.57
5190.0	H	-	-	-77.72	3.46	32.73	-62.52	-13.00	-49.52
6920.0	V	-	-	-78.53	6.05	34.52	-60.74	-13.00	-47.74

Table 7-79. Antenna 2b Radiated Spurious Data (NR Band n66 – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-75.70	0.24	31.54	-63.72	-13.00	-50.72
5235.0	H	-	-	-77.92	3.79	32.87	-62.38	-13.00	-49.38
6980.0	V	-	-	-78.29	6.26	34.97	-60.29	-13.00	-47.29

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-76.00	0.52	31.51	-63.74	-13.00	-50.74
5280.0	V	-	-	-77.78	3.79	33.01	-62.25	-13.00	-49.25
7040.0	H	-	-	-78.72	6.34	34.63	-60.63	-13.00	-47.63

Table 7-81. Antenna 2b Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 329 of 352

V2.2 09/07/2023

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	-	-	-75.66	0.12	31.46	-63.80	-13.00	-50.80
5100.0	V	-	-	-77.77	3.29	32.51	-62.74	-13.00	-49.74
6800.0	H	-	-	-78.42	5.81	34.39	-60.87	-13.00	-47.87

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	V	-	-	-75.62	0.12	31.50	-63.76	-13.00	-50.76
5107.5	H	-	-	-77.88	3.54	32.66	-62.60	-13.00	-49.60
6810.0	H	-	-	-78.42	5.90	34.48	-60.78	-13.00	-47.78

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

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

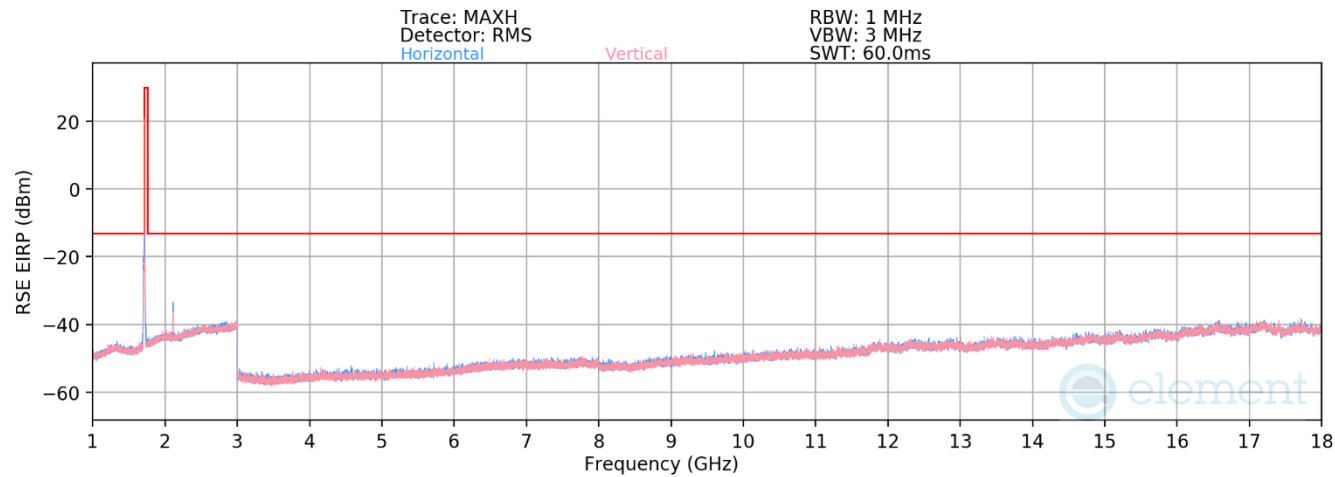
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	V	-	-	-75.64	0.12	31.48	-63.77	-13.00	-50.77
5115.0	H	-	-	-77.83	3.54	32.71	-62.55	-13.00	-49.55
6820.0	H	-	-	-78.27	5.81	34.54	-60.71	-13.00	-47.71

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 330 of 352

V2.2 09/07/2023

WCDMA AWS



FCC ID: BCGA3355	element PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 331 of 352

V2.2 09/07/2023

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	271	37	-76.79	4.70	34.91	-60.35	-13.00	-47.35
5137.2	V	-	-	-79.70	8.06	35.36	-59.90	-13.00	-46.90
6849.6	V	-	-	-79.99	10.46	37.48	-57.78	-13.00	-44.78
8562.0	H	-	-	-80.21	10.97	37.76	-57.49	-13.00	-44.49

7-85. Antenna 2b Radiated Spurious Data (WCDMA AWS – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-78.22	4.84	33.62	-61.64	-13.00	-48.64
5197.8	H	-	-	-79.58	8.16	35.58	-59.68	-13.00	-46.68
6930.4	V	-	-	-79.93	10.41	37.48	-57.77	-13.00	-44.77

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	V	-	-	-77.98	4.75	33.77	-61.48	-13.00	-48.48
5257.8	H	-	-	-79.69	8.38	35.69	-59.57	-13.00	-46.57
7010.4	H	-	-	-79.77	10.41	37.64	-57.62	-13.00	-44.62

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 332 of 352

V2.2 09/07/2023

7.7.4 Antenna 3a - Radiated Spurious Emission Measurement

LTE Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	V	-	-	-77.48	2.14	31.67	-63.59	-13.00	-50.59
5160.0	H	-	-	-78.70	5.40	33.69	-61.56	-13.00	-48.56
6880.0	H	-	-	-80.02	9.54	36.51	-58.74	-13.00	-45.74

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-76.94	1.65	31.71	-63.55	-13.00	-50.55
5235.0	V	-	-	-78.74	5.18	33.43	-61.82	-13.00	-48.82
6980.0	H	-	-	-79.76	9.40	36.64	-58.62	-13.00	-45.62

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	V	-	-	-77.12	2.49	32.37	-62.89	-13.00	-49.89
5310.0	H	-	-	-78.96	6.14	34.18	-61.08	-13.00	-48.08
7080.0	V	-	-	-79.92	9.22	36.29	-58.96	-13.00	-45.96

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 333 of 352

V2.2 09/07/2023

NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-75.66	0.24	31.57	-63.69	-13.00	-50.69
5190.0	V	-	-	-77.96	3.75	32.78	-62.47	-13.00	-49.47
6920.0	V	-	-	-78.12	5.96	34.84	-60.42	-13.00	-47.42

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-75.59	0.24	31.65	-63.61	-13.00	-50.61
5235.0	H	-	-	-77.98	3.75	32.77	-62.49	-13.00	-49.49
6980.0	H	-	-	-78.42	6.26	34.84	-60.42	-13.00	-47.42

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	V	-	-	-76.18	0.55	31.36	-63.89	-13.00	-50.89
5280.0	V	-	-	-77.95	3.79	32.84	-62.42	-13.00	-49.42
7040.0	H	-	-	-78.85	6.38	34.53	-60.73	-13.00	-47.73

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 334 of 352

V2.2 09/07/2023

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	-	-	-75.86	0.24	31.39	-63.87	-13.00	-50.87
5100.0	V	-	-	-78.03	3.54	32.51	-62.75	-13.00	-49.75
6800.0	V	-	-	-78.41	5.90	34.49	-60.76	-13.00	-47.76

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	H	-	-	-76.20	0.47	31.27	-63.99	-13.00	-50.99
5107.5	H	-	-	-77.67	3.54	32.87	-62.39	-13.00	-49.39
6810.0	H	-	-	-78.33	5.90	34.57	-60.69	-13.00	-47.69

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	V	-	-	-75.54	0.12	31.59	-63.67	-13.00	-50.67
5115.0	V	-	-	-77.85	3.54	32.69	-62.57	-13.00	-49.57
6820.0	H	-	-	-78.35	5.89	34.54	-60.72	-13.00	-47.72

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 335 of 352

V2.2 09/07/2023

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	-	-	-77.99	4.70	33.71	-61.55	-13.00	-48.55
5137.2	V	-	-	-79.70	8.06	35.36	-59.89	-13.00	-46.89
6849.6	H	-	-	-79.94	10.46	37.53	-57.73	-13.00	-44.73

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	V	-	-	-77.99	4.65	33.65	-61.60	-13.00	-48.60
5197.8	H	-	-	-79.48	8.16	35.67	-59.58	-13.00	-46.58
6930.4	V	-	-	-79.85	10.38	37.53	-57.72	-13.00	-44.72

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-77.98	4.75	33.77	-61.48	-13.00	-48.48
5257.8	H	-	-	-79.69	8.31	35.62	-59.64	-13.00	-46.64
7010.4	H	-	-	-79.76	10.41	37.65	-57.61	-13.00	-44.61

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

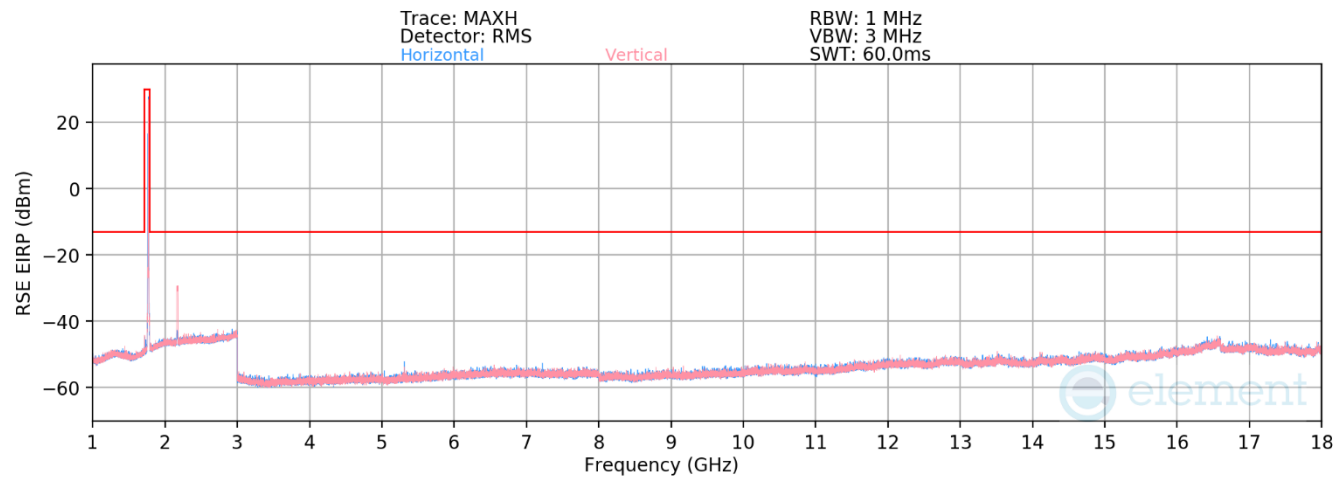
FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 336 of 352

V2.2 09/07/2023

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7.7.5 Antenna 1b – Radiated Spurious Emission Measurement

LTE Band 66/4



FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 337 of 352

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	-	-	-75.68	0.24	31.55	-63.70	-13.00	-50.70
5160.0	H	-	-	-77.96	3.50	32.54	-62.72	-13.00	-49.72
6880.0	V	-	-	-78.65	6.07	34.43	-60.83	-13.00	-47.83

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	H	-	-	-75.93	0.38	31.45	-63.81	-13.00	-50.81
5235.0	V	240	161	-75.60	3.79	35.19	-60.07	-13.00	-47.07
6980.0	H	-	-	-78.91	6.26	34.35	-60.90	-13.00	-47.90
8725.0	H	-	-	-78.91	5.83	33.92	-61.34	-13.00	-48.34
10470.0	V	-	-	-79.97	8.26	35.29	-59.97	-13.00	-46.97

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	H	-	-	-75.99	0.52	31.52	-63.73	-13.00	-50.73
5310.0	V	229	157	-71.75	3.81	39.06	-56.20	-13.00	-43.20
7080.0	V	-	-	-78.65	6.25	34.60	-60.66	-13.00	-47.66
8850.0	H	-	-	-79.02	5.82	33.80	-61.45	-13.00	-48.45
10620.0	V	-	-	-79.72	8.27	35.55	-59.70	-13.00	-46.70

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 338 of 352

V2.2 09/07/2023

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NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-75.72	0.21	31.49	-63.77	-13.00	-50.77
5190.0	V	-	-	-78.17	3.75	32.58	-62.68	-13.00	-49.68
6920.0	H	-	-	-78.56	6.05	34.49	-60.76	-13.00	-47.76

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	-	-	-75.65	0.24	31.59	-63.67	-13.00	-50.67
5235.0	V	-	-	-77.92	3.74	32.82	-62.44	-13.00	-49.44
6980.0	V	-	-	-78.56	6.02	34.47	-60.79	-13.00	-47.79

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-76.12	0.52	31.39	-63.87	-13.00	-50.87
5280.0	V	-	-	-77.87	3.79	32.93	-62.33	-13.00	-49.33
7040.0	V	-	-	-78.65	6.34	34.69	-60.56	-13.00	-47.56

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 339 of 352

V2.2 09/07/2023

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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	-	-	-76.01	0.47	31.46	-63.80	-13.00	-50.80
5100.0	H	-	-	-78.03	3.54	32.51	-62.75	-13.00	-49.75
6800.0	V	-	-	-78.35	5.71	34.36	-60.89	-13.00	-47.89

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	H	-	-	-75.54	0.24	31.70	-63.56	-13.00	-50.56
5107.5	H	-	-	-77.87	3.54	32.67	-62.59	-13.00	-49.59
6810.0	V	-	-	-78.52	5.90	34.38	-60.88	-13.00	-47.88

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	V	-	-	-76.00	0.36	31.37	-63.89	-13.00	-50.89
5115.0	V	-	-	-77.90	3.54	32.64	-62.62	-13.00	-49.62
6820.0	H	-	-	-78.51	5.89	34.39	-60.87	-13.00	-47.87

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 340 of 352

V2.2 09/07/2023

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	-	-	-78.04	4.65	33.60	-61.65	-13.00	-48.65
5137.2	V	-	-	-79.72	8.06	35.34	-59.92	-13.00	-46.92
6849.6	H	-	-	-79.75	10.46	37.71	-57.55	-13.00	-44.55

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	-	-	-78.11	4.65	33.54	-61.72	-13.00	-48.72
5197.8	H	-	-	-79.85	8.31	35.46	-59.79	-13.00	-46.79
6930.4	V	-	-	-79.76	10.38	37.62	-57.64	-13.00	-44.64

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	-	-	-78.23	4.75	33.53	-61.73	-13.00	-48.73
5257.8	V	-	-	-79.94	8.38	35.45	-59.81	-13.00	-46.81
7010.4	H	-	-	-79.76	10.41	37.65	-57.61	-13.00	-44.61

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 341 of 352

V2.2 09/07/2023

7.8 Frequency Stability / Temperature Variation

§2.1053, §27.53

Test Overview and Limit

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

- Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- 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

- The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- 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.
- 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

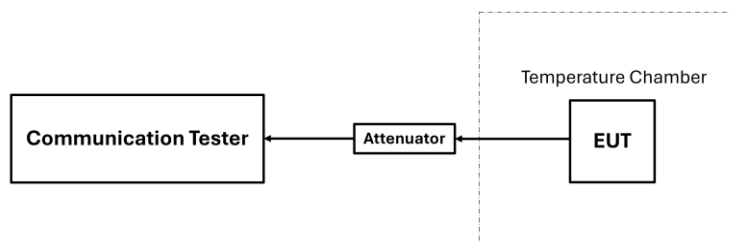


Figure 7-13. LTE Test Instrument & Measurement Setup

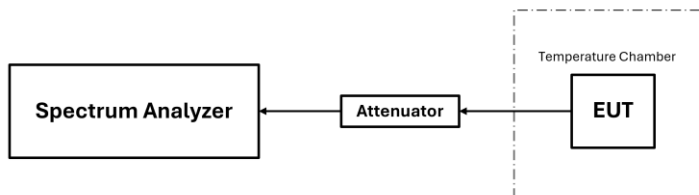


Figure 7-14. FR1 Test Instrument & Measurement Setup

Test Notes

- All ports were tested and only the worst case data were reported

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 342 of 352

V2.2 09/07/2023

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	1.71043824	-0.00043824
		- 20	1.71060341	-0.00060341
		- 10	1.71088201	-0.00088201
		0	1.71019264	-0.00019264
		+ 10	1.71052853	-0.00052853
		+ 20 (Ref)	1.71068318	-0.00068318
		+ 30	1.71042194	-0.00042194
		+ 40	1.71036056	-0.00036056
		+ 50	1.71084451	-0.00084451
Battery Endpoint	3.40	+ 20	1.71044064	-0.00044064

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	1.77931037	-0.00068963
		- 20	1.77925737	-0.00074263
		- 10	1.77999536	-0.00000464
		0	1.77907032	-0.00092968
		+ 10	1.77983604	-0.00016396
		+ 20 (Ref)	1.77980946	-0.00019054
		+ 30	1.77906166	-0.00093834
		+ 40	1.77925666	-0.00074334
		+ 50	1.77967950	-0.00032050
Battery Endpoint	3.40	+ 20	1.77998817	-0.00001183

Table 7-113. LTE Band 66/4 Upper Boundary Frequency Stability Data

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 343 of 352

V2.2 09/07/2023

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	0.66317420	-0.00017420
		- 20	0.66331499	-0.00031499
		- 10	0.66338261	-0.00038261
		0	0.66305860	-0.00005860
		+ 10	0.66366329	-0.00066329
		+ 20 (Ref)	0.66340365	-0.00040365
		+ 30	0.66338800	-0.00038800
		+ 40	0.66306242	-0.00006242
		+ 50	0.66378657	-0.00078657
Battery Endpoint	3.40	+ 20	0.66322925	-0.00022925

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	0.69784788	-0.00015212
		- 20	0.69708070	-0.00091930
		- 10	0.69735118	-0.00064882
		0	0.69715328	-0.00084672
		+ 10	0.69776631	-0.00023369
		+ 20 (Ref)	0.69735434	-0.00064566
		+ 30	0.69797564	-0.00002436
		+ 40	0.69788800	-0.00011200
		+ 50	0.69780954	-0.00019046
Battery Endpoint	3.40	+ 20	0.69751754	-0.00048246

Table 7-115. LTE Band 71 Upper Boundary Frequency Stability Data

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 344 of 352

V2.2 09/07/2023

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	0.69959908	-0.00059908
		- 20	0.69949186	-0.00049186
		- 10	0.69924082	-0.00024082
		0	0.69995509	-0.00095509
		+ 10	0.69953292	-0.00053292
		+ 20 (Ref)	0.69962510	-0.00062510
		+ 30	0.69910081	-0.00010081
		+ 40	0.69927091	-0.00027091
		+ 50	0.69973091	-0.00073091
Battery Endpoint	3.40	+ 20	0.69926904	-0.00026904

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	0.71547045	-0.00052955
		- 20	0.71557717	-0.00042283
		- 10	0.71560668	-0.00039332
		0	0.71513574	-0.00086426
		+ 10	0.71557748	-0.00042252
		+ 20 (Ref)	0.71577485	-0.00022515
		+ 30	0.71537832	-0.00062168
		+ 40	0.71576841	-0.00023159
		+ 50	0.71512472	-0.00087528
Battery Endpoint	3.40	+ 20	0.71529241	-0.00070759

Table 7-117. LTE Band 12/17 Upper Boundary Frequency Stability Data

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 345 of 352

V2.2 09/07/2023

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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	0.77794444	-0.00094444
		- 20	0.77710127	-0.00010127
		- 10	0.77768089	-0.00068089
		0	0.77791835	-0.00091835
		+ 10	0.77749056	-0.00049056
		+ 20 (Ref)	0.77708405	-0.00008405
		+ 30	0.77740827	-0.00040827
		+ 40	0.77726744	-0.00026744
		+ 50	0.77725205	-0.00025205
Battery Endpoint	3.40	+ 20	0.77774611	-0.00074611

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	0.78678624	-0.00021376
		- 20	0.78670074	-0.00029926
		- 10	0.78611643	-0.00088357
		0	0.78678654	-0.00021346
		+ 10	0.78610819	-0.00089181
		+ 20 (Ref)	0.78631483	-0.00068517
		+ 30	0.78601618	-0.00098382
		+ 40	0.78651402	-0.00048598
		+ 50	0.78611909	-0.00088091
Battery Endpoint	3.40	+ 20	0.78656977	-0.00043023

Table 7-119. LTE Band 13 Upper Boundary Frequency Stability Data

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 346 of 352

V2.2 09/07/2023

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	1.71062958	-0.00062958
		- 20	1.71036975	-0.00036975
		- 10	1.71090870	-0.00090870
		0	1.71098158	-0.00098158
		+ 10	1.71061034	-0.00061034
		+ 20 (Ref)	1.71097646	-0.00097646
		+ 30	1.71023496	-0.00023496
		+ 40	1.71058315	-0.00058315
		+ 50	1.71042345	-0.00042345
Battery Endpoint	3.40	+ 20	1.71053188	-0.00053188

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	1.77911871	-0.00088129
		- 20	1.77975624	-0.00024376
		- 10	1.77976765	-0.00023235
		0	1.77906093	-0.00093907
		+ 10	1.77967902	-0.00032098
		+ 20 (Ref)	1.77922108	-0.00077892
		+ 30	1.77970052	-0.00029948
		+ 40	1.77924236	-0.00075764
		+ 50	1.77913945	-0.00086055
Battery Endpoint	3.40	+ 20	1.77914980	-0.00085020

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 347 of 352

V2.2 09/07/2023

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	1.69516996	-0.00016996
		- 20	1.69557476	-0.00057476
		- 10	1.69582525	-0.00082525
		0	1.69556403	-0.00056403
		+ 10	1.69584480	-0.00084480
		+ 20 (Ref)	1.69532300	-0.00032300
		+ 30	1.69550332	-0.00050332
		+ 40	1.69538359	-0.00038359
		+ 50	1.69596472	-0.00096472
Battery Endpoint	3.40	+ 20	1.69561001	-0.00061001

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	1.70981741	-0.00018259
		- 20	1.70973748	-0.00026252
		- 10	1.70988499	-0.00011501
		0	1.70949218	-0.00050782
		+ 10	1.70933179	-0.00066821
		+ 20 (Ref)	1.70999006	-0.00000994
		+ 30	1.70907056	-0.00092944
		+ 40	1.70966320	-0.00033680
		+ 50	1.70966926	-0.00033074
Battery Endpoint	3.40	+ 20	1.70927819	-0.00072181

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 348 of 352

V2.2 09/07/2023

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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	0.66369911	-0.00069911
		- 20	0.66309124	-0.00009124
		- 10	0.66379683	-0.00079683
		0	0.66320094	-0.00020094
		+ 10	0.66305817	-0.00005817
		+ 20 (Ref)	0.66350879	-0.00050879
		+ 30	0.66328886	-0.00028886
		+ 40	0.66303611	-0.00003611
		+ 50	0.66310416	-0.00010416
Battery Endpoint	3.40	+ 20	0.66350212	-0.00050212

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	0.69785369	-0.00014631
		- 20	0.69781522	-0.00018478
		- 10	0.69790904	-0.00009096
		0	0.69718804	-0.00081196
		+ 10	0.69700425	-0.00099575
		+ 20 (Ref)	0.69752766	-0.00047234
		+ 30	0.69760791	-0.00039209
		+ 40	0.69736600	-0.00063400
		+ 50	0.69729240	-0.00070760
Battery Endpoint	3.40	+ 20	0.69743199	-0.00056801

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

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 349 of 352

V2.2 09/07/2023

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	0.69982726	-0.00082726
		- 20	0.69935586	-0.00035586
		- 10	0.69968167	-0.00068167
		0	0.69902052	-0.00002052
		+ 10	0.69941278	-0.00041278
		+ 20 (Ref)	0.69908179	-0.00008179
		+ 30	0.69967842	-0.00067842
		+ 40	0.69902234	-0.00002234
		+ 50	0.69973344	-0.00073344
Battery Endpoint	3.40	+ 20	0.69982233	-0.00082233

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	0.71568982	-0.00031018
		- 20	0.71565779	-0.00034221
		- 10	0.71519068	-0.00080932
		0	0.71554840	-0.00045160
		+ 10	0.71514659	-0.00085341
		+ 20 (Ref)	0.71534221	-0.00065779
		+ 30	0.71534575	-0.00065425
		+ 40	0.71553405	-0.00046595
		+ 50	0.71560695	-0.00039305
Battery Endpoint	3.40	+ 20	0.71576611	-0.00023389

Table 7-127. NR Band n12 Upper Boundary Frequency Stability Data

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 350 of 352

V2.2 09/07/2023

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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	1.71046478	-0.00046478
		- 20	1.71054640	-0.00054640
		- 10	1.71079297	-0.00079297
		0	1.71029200	-0.00029200
		+ 10	1.71003746	-0.00003746
		+ 20 (Ref)	1.71091616	-0.00091616
		+ 30	1.71023432	-0.00023432
		+ 40	1.71056718	-0.00056718
		+ 50	1.71000531	-0.00000531
Battery Endpoint	3.40	+ 20	1.71035418	-0.00035418

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	1.75410310	-0.00089690
		- 20	1.75423431	-0.00076569
		- 10	1.75452433	-0.00047567
		0	1.75419000	-0.00081000
		+ 10	1.75476342	-0.00023658
		+ 20 (Ref)	1.75453311	-0.00046689
		+ 30	1.75453828	-0.00046172
		+ 40	1.75475431	-0.00024569
		+ 50	1.75440477	-0.00059523
Battery Endpoint	3.40	+ 20	1.75436462	-0.00063538

Table 7-129. WCDMA AWS Upper Boundary Frequency Stability Data

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device	Page 351 of 352

V2.2 09/07/2023

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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: BCGA3355** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA3355	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-09-R1.BCG	Test Dates: 7/1/2024 - 1/17/2025	EUT Type: Tablet Device
		Page 352 of 352