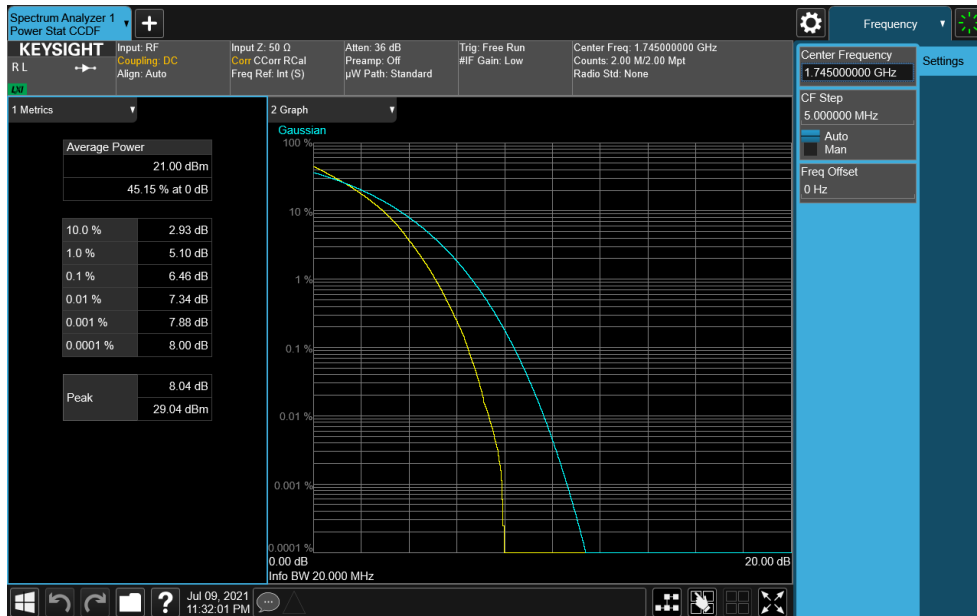
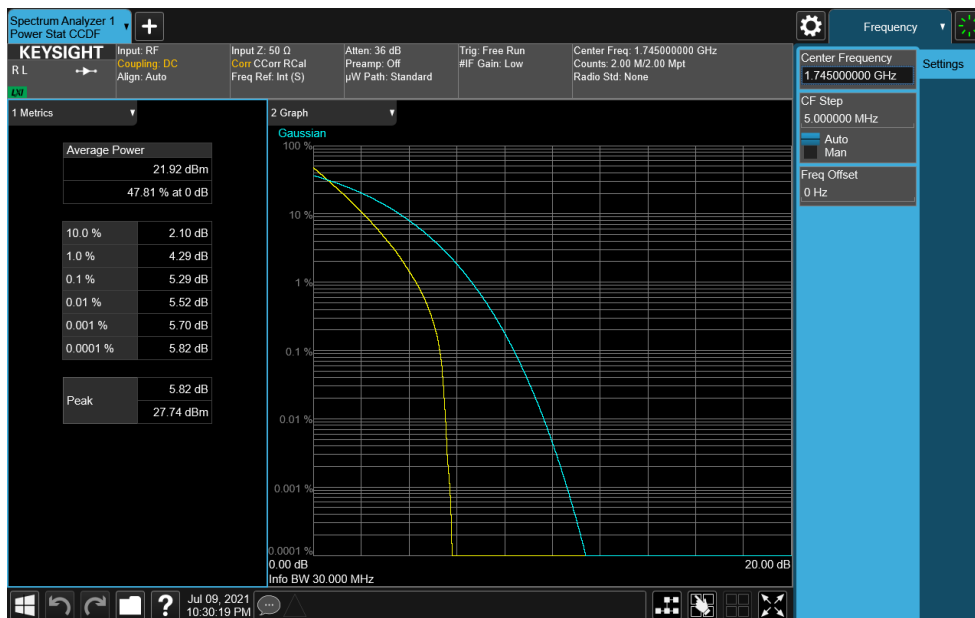
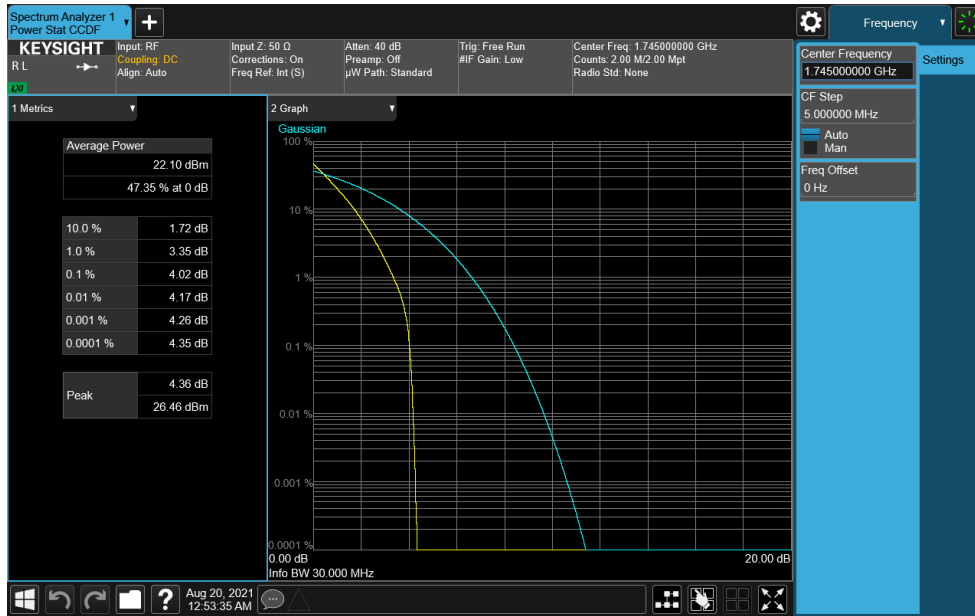


Plot 7-394. PAR Plot (NR Band n66- 20MHz DFT-s-OFDM 64-QAM - Full RB)

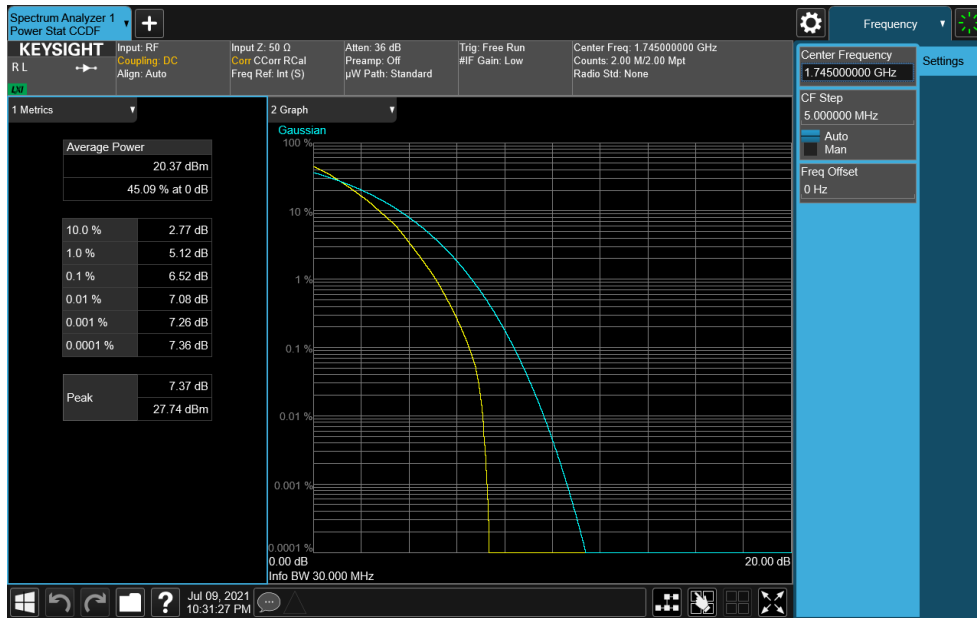
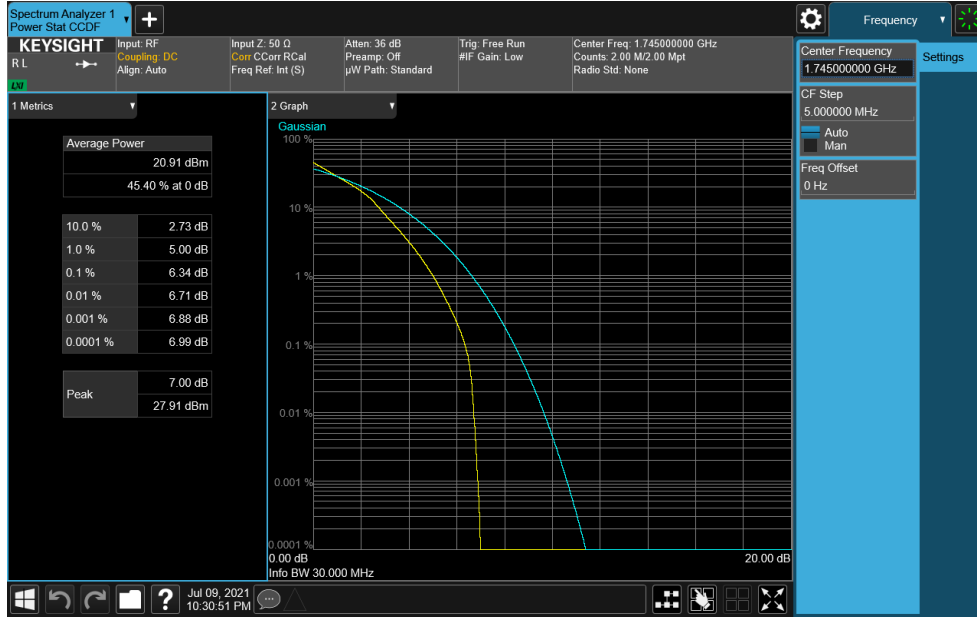


Plot 7-395. PAR Plot (NR Band n66- 20MHz DFT-s-OFDM 256-QAM - Full RB)

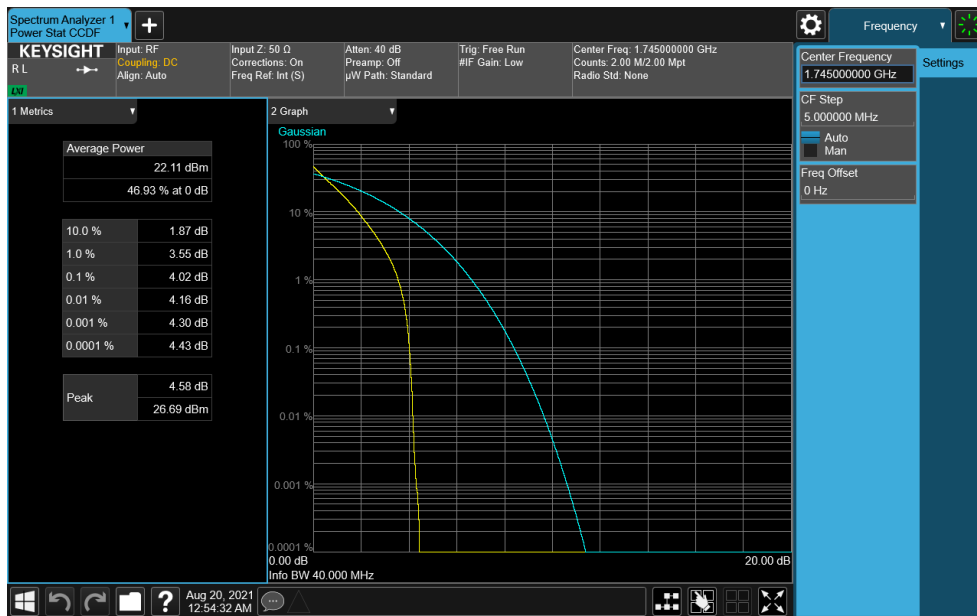
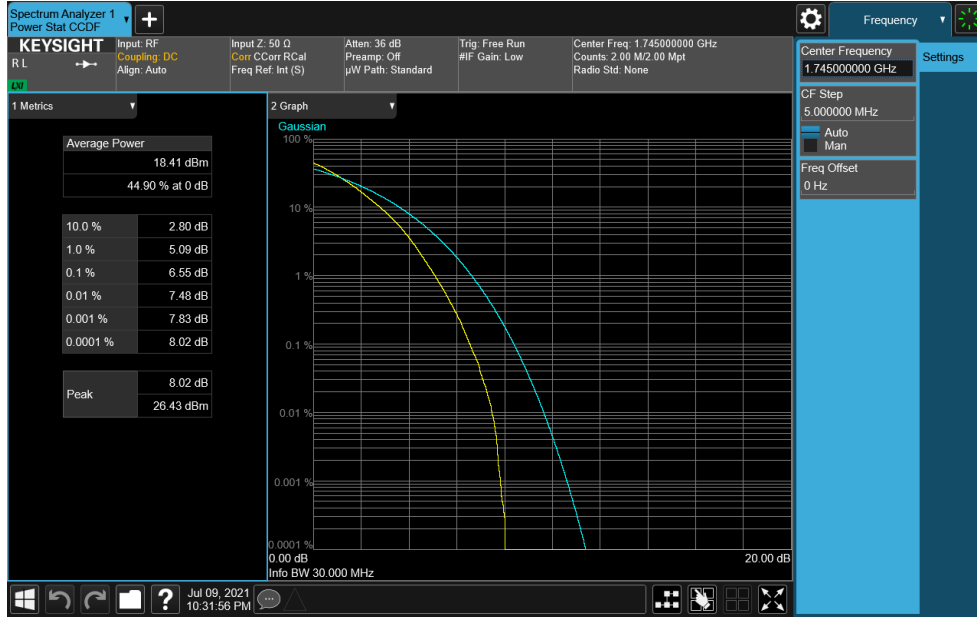
FCC ID: BCGA2568	PCTEST PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 223 of 301



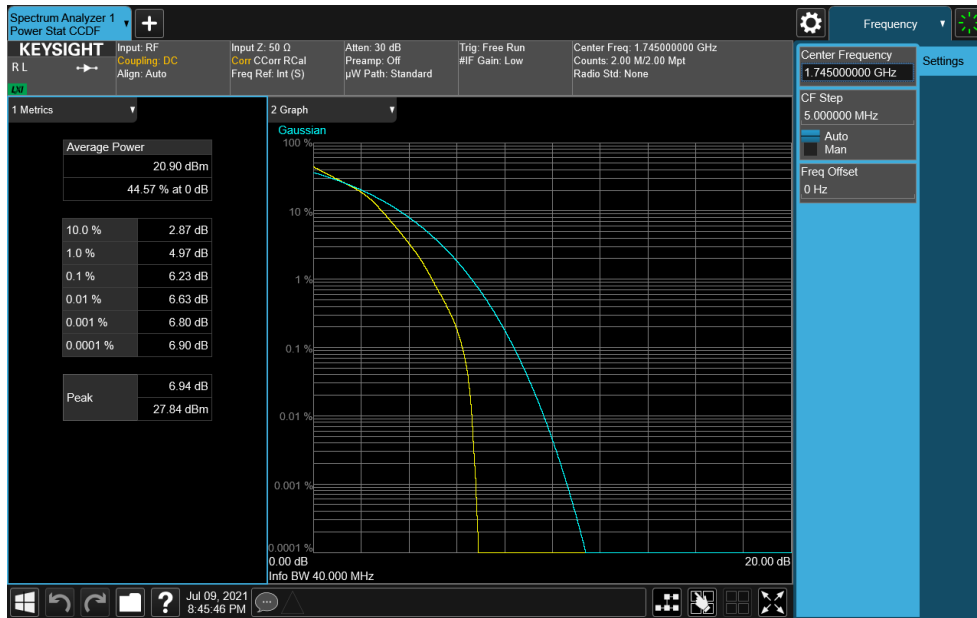
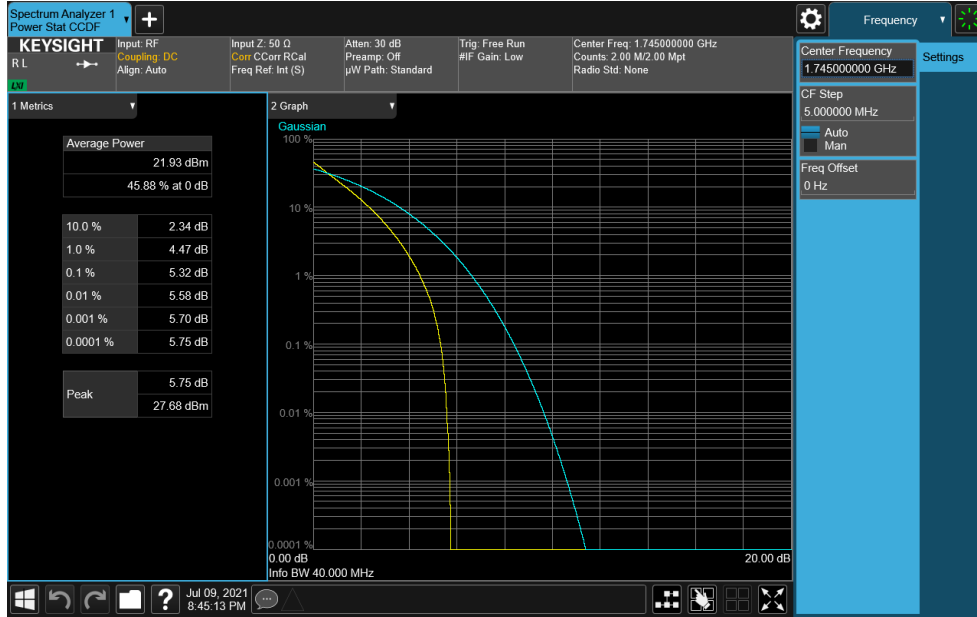
FCC ID: BCGA2568	PCTEST Proud to be part of element		PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 224 of 301



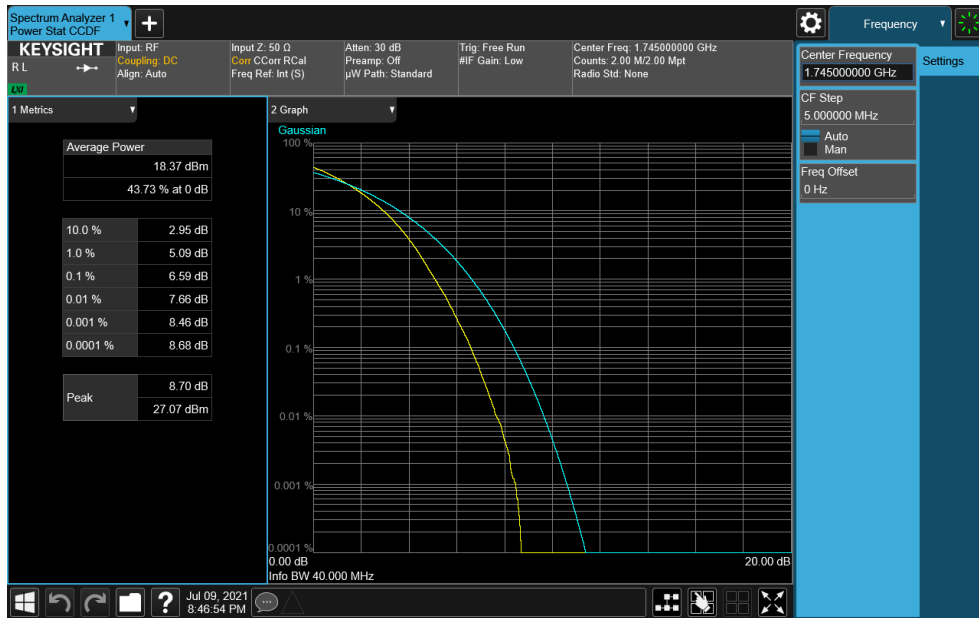
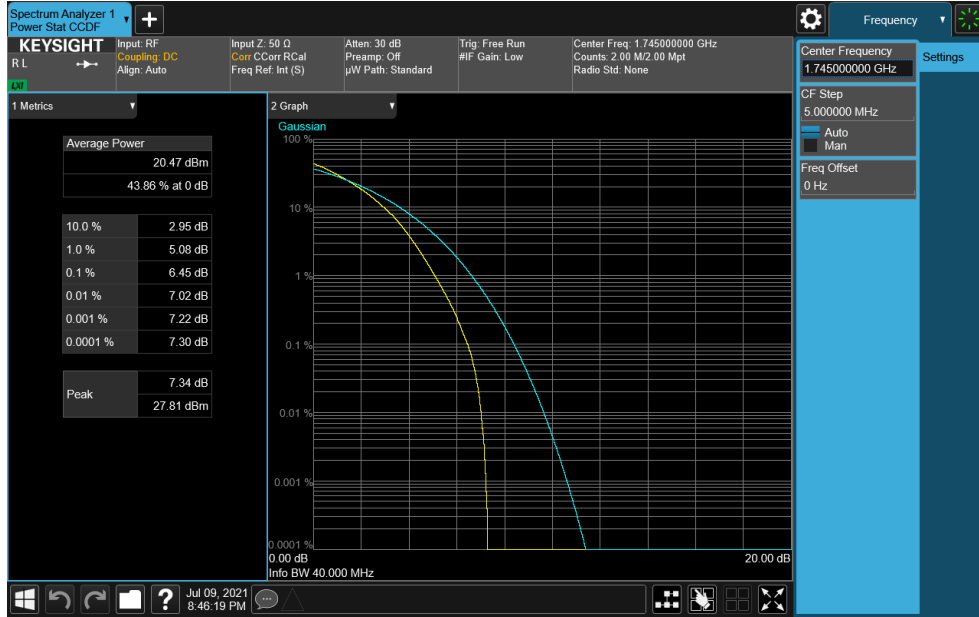
FCC ID: BCGA2568	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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FCC ID: BCGA2568	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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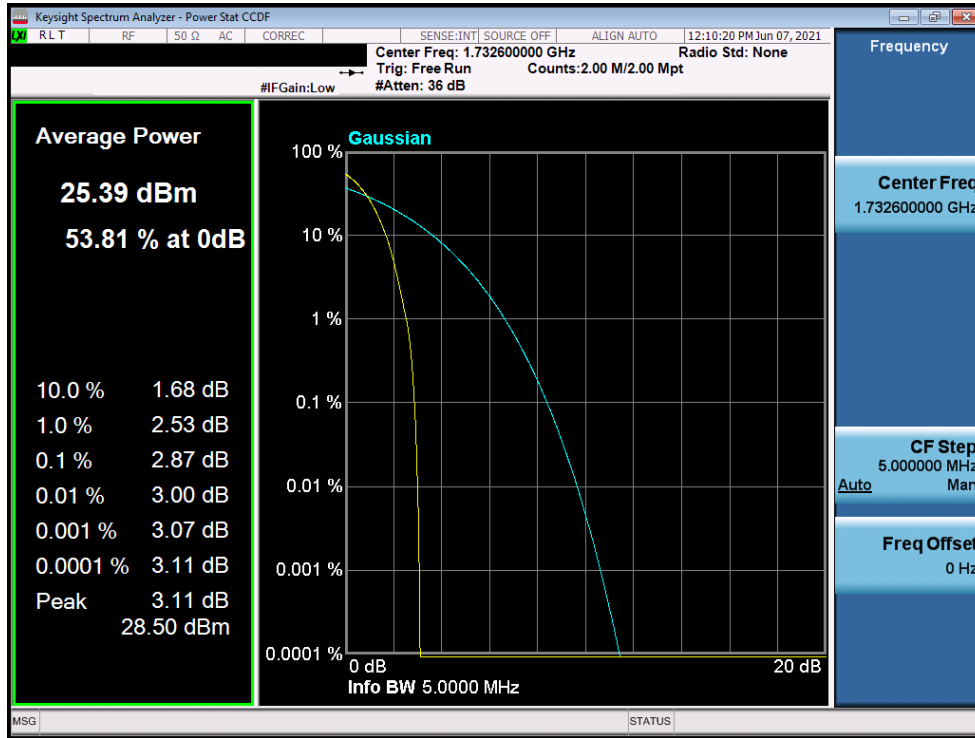


FCC ID: BCGA2568	PCTEST PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 227 of 301




FCC ID: BCGA2568	PCTEST PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 228 of 301

WCDMA AWS



Plot 7-406. PAR Plot (WCDMA, Ch. 1413)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 229 of 301

7.6 Radiated Power (EIRP) §27.50(b)(10), §27.50(c)(10), §27.50(d)(4)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1
ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

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

Where:

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

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

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

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

Test Setup

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

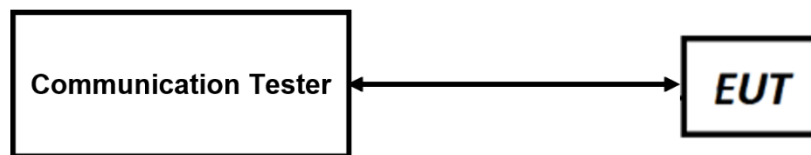




Figure 7-5. ERP/EIRP Measurement Setup

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Test Notes

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


FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 231 of 301

7.6.1 Antenna 4 – ERP/EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.00	1 / 0	25.62	23.62	0.230	30.00	-6.38
		1745.0	-2.00	1 / 3	25.51	23.51	0.224	30.00	-6.49
		1779.3	-2.00	1 / 0	25.70	23.70	0.234	30.00	-6.30
	16-QAM	1745.0	-2.00	1 / 5	24.90	22.90	0.195	30.00	-7.10
	64-QAM	1745.0	-2.00	1 / 0	24.38	22.38	0.173	30.00	-7.62
	256-QAM	1779.3	-2.00	1 / 5	21.05	19.05	0.080	30.00	-10.95
3 MHz	QPSK	1711.5	-2.00	1 / 14	25.68	23.68	0.233	30.00	-6.32
		1745.0	-2.00	1 / 0	25.52	23.52	0.225	30.00	-6.48
		1778.5	-2.00	1 / 14	25.61	23.61	0.230	30.00	-6.39
	16-QAM	1745.0	-2.00	1 / 0	25.03	23.03	0.201	30.00	-6.97
	64-QAM	1745.0	-2.00	1 / 0	24.47	22.47	0.177	30.00	-7.53
	256-QAM	1778.5	-2.00	1 / 7	20.93	18.93	0.078	30.00	-11.07
5 MHz	QPSK	1712.5	-2.00	1 / 0	25.61	23.61	0.230	30.00	-6.39
		1745.0	-2.00	1 / 12	25.62	23.62	0.230	30.00	-6.38
		1777.5	-2.00	1 / 0	25.70	23.70	0.234	30.00	-6.30
	16-QAM	1777.5	-2.00	1 / 12	25.11	23.11	0.205	30.00	-6.89
	64-QAM	1745.0	-2.00	1 / 0	24.40	22.40	0.174	30.00	-7.60
	256-QAM	1745.0	-2.00	1 / 0	21.07	19.07	0.081	30.00	-10.93
10 MHz	QPSK	1715.0	-2.00	1 / 49	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 25	25.60	23.60	0.229	30.00	-6.40
		1775.0	-2.00	1 / 0	25.64	23.64	0.231	30.00	-6.36
	16-QAM	1745.0	-2.00	1 / 25	25.06	23.06	0.202	30.00	-6.94
	64-QAM	1745.0	-2.00	1 / 25	24.41	22.41	0.174	30.00	-7.59
	256-QAM	1715.0	-2.00	1 / 49	20.91	18.91	0.078	30.00	-11.09
15 MHz	QPSK	1717.5	-2.00	1 / 0	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 0	25.62	23.62	0.230	30.00	-6.38
		1772.5	-2.00	1 / 37	25.68	23.68	0.233	30.00	-6.32
	16-QAM	1745.0	-2.00	1 / 0	25.09	23.09	0.204	30.00	-6.91
	64-QAM	1745.0	-2.00	1 / 0	24.57	22.57	0.181	30.00	-7.43
	256-QAM	1717.5	-2.00	1 / 0	20.87	18.87	0.077	30.00	-11.13
20 MHz	QPSK	1745.0	-2.00	1 / 0	20.87	18.87	0.077	30.00	-11.13
		1720.0	-2.00	1 / 0	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 0	25.66	23.66	0.232	30.00	-6.34
	16-QAM	1770.0	-2.00	1 / 0	25.70	23.70	0.234	30.00	-6.30
	64-QAM	1770.0	-2.00	1 / 0	24.79	22.79	0.190	30.00	-7.21
	256-QAM	1770.0	-2.00	1 / 0	24.50	22.50	0.178	30.00	-7.50
256-QAM	1770.0	-2.00	1 / 0	21.06	19.06	0.081	30.00	-10.94	


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

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-2.00	1 / 0	25.26	23.26	0.212	30.00	-6.74
		1732.5	-2.00	1 / 0	25.55	23.55	0.226	30.00	-6.45
		1754.3	-2.00	1 / 0	25.48	23.48	0.223	30.00	-6.52
	16-QAM	1710.7	-2.00	1 / 0	25.04	23.04	0.201	30.00	-6.96
	64-QAM	1732.5	-2.00	1 / 5	23.96	21.96	0.157	30.00	-8.04
256-QAM	1732.5	-2.00	1 / 0	20.97	18.97	0.079	30.00	-11.03	
3 MHz	QPSK	1711.5	-2.00	1 / 0	25.41	23.41	0.219	30.00	-6.59
		1732.5	-2.00	1 / 14	25.63	23.63	0.231	30.00	-6.37
		1753.5	-2.00	1 / 14	25.70	23.70	0.234	30.00	-6.30
	16-QAM	1711.5	-2.00	1 / 14	25.13	23.13	0.206	30.00	-6.87
	64-QAM	1732.5	-2.00	1 / 14	24.03	22.03	0.160	30.00	-7.97
256-QAM	1753.5	-2.00	1 / 0	23.85	21.85	0.153	30.00	-8.15	
5 MHz	QPSK	1712.5	-2.00	1 / 24	25.49	23.49	0.223	30.00	-6.51
		1732.5	-2.00	1 / 0	25.67	23.67	0.233	30.00	-6.33
		1752.5	-2.00	1 / 24	25.69	23.69	0.234	30.00	-6.31
	16-QAM	1732.5	-2.00	1 / 0	25.30	23.30	0.214	30.00	-6.70
	64-QAM	1752.5	-2.00	1 / 24	24.13	22.13	0.163	30.00	-7.87
256-QAM	1712.5	-2.00	1 / 24	20.96	18.96	0.079	30.00	-11.04	
10 MHz	QPSK	1715.0	-2.00	1 / 49	25.40	23.40	0.219	30.00	-6.60
		1732.5	-2.00	1 / 25	25.65	23.65	0.232	30.00	-6.35
		1750.0	-2.00	1 / 49	25.70	23.70	0.234	30.00	-6.30
	16-QAM	1750.0	-2.00	1 / 25	25.15	23.15	0.207	30.00	-6.85
	64-QAM	1732.5	-2.00	1 / 0	23.95	21.95	0.157	30.00	-8.05
256-QAM	1750.0	-2.00	1 / 0	20.87	18.87	0.077	30.00	-11.13	
15 MHz	QPSK	1717.5	-2.00	1 / 37	25.42	23.42	0.220	30.00	-6.58
		1732.5	-2.00	1 / 37	25.67	23.67	0.233	30.00	-6.33
		1747.5	-2.00	1 / 37	25.70	23.70	0.234	30.00	-6.30
	16-QAM	1747.5	-2.00	1 / 37	25.10	23.10	0.204	30.00	-6.90
	64-QAM	1732.5	-2.00	1 / 37	23.92	21.92	0.156	30.00	-8.08
256-QAM	1717.5	-2.00	1 / 0	21.24	19.24	0.084	30.00	-10.76	
20 MHz	QPSK	1720.0	-2.00	1 / 50	25.47	23.47	0.222	30.00	-6.53
		1732.5	-2.00	1 / 50	25.51	23.51	0.224	30.00	-6.49
		1745.0	-2.00	1 / 50	25.65	23.65	0.232	30.00	-6.35
	16-QAM	1720.0	-2.00	1 / 99	25.13	23.13	0.206	30.00	-6.87
	64-QAM	1745.0	-2.00	1 / 50	24.29	22.29	0.169	30.00	-7.71
256-QAM	1732.5	-2.00	1 / 50	20.93	18.93	0.078	30.00	-11.07	

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

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 233 of 301

LTE Band 71


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-3.60	1 / 0	25.62	19.87	0.097	34.77	-14.90	22.02	0.159	36.99	-14.97
		680.5	-3.60	1 / 12	25.70	19.95	0.099	34.77	-14.82	22.10	0.162	36.99	-14.89
		695.5	-3.60	1 / 12	25.53	19.78	0.095	34.77	-14.99	21.93	0.156	36.99	-15.06
	16-QAM	680.5	-3.60	1 / 0	25.32	19.57	0.091	34.77	-15.20	21.72	0.149	36.99	-15.27
	256-QAM	665.5	-3.60	1 / 0	23.97	18.22	0.066	34.77	-16.55	20.37	0.109	36.99	-16.62
10 MHz	QPSK	668.0	-3.60	1 / 25	25.51	19.76	0.095	34.77	-15.01	21.91	0.155	36.99	-15.08
		680.5	-3.60	1 / 25	25.50	19.75	0.094	34.77	-15.02	21.90	0.155	36.99	-15.09
		693.0	-3.60	1 / 25	25.65	19.90	0.098	34.77	-14.87	22.05	0.160	36.99	-14.94
	16-QAM	680.5	-3.60	1 / 25	25.10	19.35	0.086	34.77	-15.42	21.50	0.141	36.99	-15.49
	256-QAM	693.0	-3.60	1 / 0	23.89	18.14	0.065	34.77	-16.63	20.29	0.107	36.99	-16.70
15 MHz	QPSK	670.5	-3.60	1 / 37	25.62	19.87	0.097	34.77	-14.90	22.02	0.159	36.99	-14.97
		680.5	-3.60	1 / 0	25.60	19.85	0.097	34.77	-14.92	22.00	0.158	36.99	-14.99
		690.5	-3.60	1 / 0	25.59	19.84	0.096	34.77	-14.93	21.99	0.158	36.99	-15.00
	16-QAM	680.5	-3.60	1 / 0	25.08	19.33	0.086	34.77	-15.44	21.48	0.141	36.99	-15.51
	256-QAM	670.5	-3.60	1 / 0	24.32	18.57	0.072	34.77	-16.20	20.72	0.118	36.99	-16.27
20 MHz	QPSK	670.5	-3.60	1 / 0	21.25	15.50	0.035	34.77	-19.27	17.65	0.058	36.99	-19.34
		673.0	-3.60	1 / 0	25.62	19.87	0.097	34.77	-14.90	22.02	0.159	36.99	-14.97
		680.5	-3.60	1 / 50	25.34	19.59	0.091	34.77	-15.18	21.74	0.149	36.99	-15.25
	16-QAM	688.0	-3.60	1 / 0	25.65	19.90	0.098	34.77	-14.87	22.05	0.160	36.99	-14.94
	256-QAM	680.5	-3.60	1 / 0	24.32	18.57	0.072	34.77	-16.20	20.72	0.118	36.99	-16.27
256-QAM	688.0	-3.60	1 / 0	20.90	15.15	0.033	34.77	-19.62	17.30	0.054	36.99	-19.69	

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

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-3.00	1 / 0	25.68	20.53	0.113	34.77	-14.24	22.68	0.185	36.99	-14.31
		707.5	-3.00	1 / 0	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
		715.3	-3.00	1 / 0	25.63	20.48	0.112	34.77	-14.29	22.63	0.183	36.99	-14.36
	16-QAM	699.7	-3.00	1 / 0	25.21	20.06	0.101	34.77	-14.71	22.21	0.166	36.99	-14.78
	256-QAM	707.5	-3.00	1 / 0	24.16	19.01	0.080	34.77	-15.76	21.16	0.131	36.99	-15.83
3 MHz	QPSK	699.7	-3.00	1 / 0	21.20	16.05	0.040	34.77	-18.72	18.20	0.066	36.99	-18.79
		700.5	-3.00	1 / 7	25.67	20.52	0.113	34.77	-14.25	22.67	0.185	36.99	-14.32
		707.5	-3.00	1 / 7	25.63	20.48	0.112	34.77	-14.29	22.63	0.183	36.99	-14.36
	16-QAM	714.5	-3.00	1 / 7	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
	256-QAM	700.5	-3.00	1 / 7	25.19	20.04	0.101	34.77	-14.73	22.19	0.166	36.99	-14.80
5 MHz	QPSK	707.5	-3.00	1 / 7	24.07	18.92	0.078	34.77	-15.85	21.07	0.128	36.99	-15.92
		700.5	-3.00	1 / 7	21.26	16.11	0.041	34.77	-18.66	18.26	0.067	36.99	-18.73
		701.5	-3.00	1 / 12	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
	16-QAM	707.5	-3.00	1 / 0	25.66	20.51	0.112	34.77	-14.26	22.66	0.185	36.99	-14.33
	256-QAM	713.5	-3.00	1 / 0	25.67	20.52	0.113	34.77	-14.25	22.67	0.185	36.99	-14.32
10 MHz	QPSK	707.5	-3.00	1 / 12	25.01	19.86	0.097	34.77	-14.91	22.01	0.159	36.99	-14.98
		701.5	-3.00	1 / 12	24.31	19.16	0.082	34.77	-15.61	21.31	0.135	36.99	-15.68
		701.5	-3.00	1 / 12	21.02	15.87	0.039	34.77	-18.90	18.02	0.063	36.99	-18.97
	16-QAM	704.0	-3.00	1 / 25	25.61	20.46	0.111	34.77	-14.31	22.61	0.182	36.99	-14.38
	256-QAM	707.5	-3.00	1 / 25	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
256-QAM	711.0	-3.00	1 / 25	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29	
256-QAM	711.0	-3.00	1 / 0	23.93	18.78	0.076	34.77	-15.99	20.93	0.124	36.99	-16.06	
256-QAM	711.0	-3.00	1 / 0	21.33	16.18	0.041	34.77	-18.59	18.33	0.068	36.99	-18.66	

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

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 234 of 301

LTE Band 17


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-3.00	1 / 24	25.61	20.46	0.111	34.77	-14.31	22.61	0.182	36.99	-14.38
		710.0	-3.00	1 / 0	25.67	20.52	0.113	34.77	-14.25	22.67	0.185	36.99	-14.32
		713.5	-3.00	1 / 24	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
	16-QAM	710.0	-3.00	1 / 24	25.30	20.15	0.104	34.77	-14.62	22.30	0.170	36.99	-14.69
	64-QAM	706.5	-3.00	1 / 0	24.24	19.09	0.081	34.77	-15.68	21.24	0.133	36.99	-15.75
10 MHz	256-QAM	706.5	-3.00	1 / 12	20.97	15.82	0.038	34.77	-18.95	17.97	0.063	36.99	-19.02
		709.0	-3.00	1 / 49	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
		710.0	-3.00	1 / 25	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
	QPSK	711.0	-3.00	1 / 0	25.60	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
	16-QAM	711.0	-3.00	1 / 0	25.36	20.21	0.105	34.77	-14.56	22.36	0.172	36.99	-14.63
	64-QAM	709.0	-3.00	1 / 49	24.17	19.02	0.080	34.77	-15.75	21.17	0.131	36.99	-15.82
	256-QAM	711.0	-3.00	1 / 0	21.38	16.23	0.042	34.77	-18.54	18.38	0.069	36.99	-18.61

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

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
5 MHz	QPSK	779.5	-1.80	1 / 12	25.69	21.74	0.149	34.77	-13.03	23.89	0.245	36.99	-13.10	
		782.0	-1.80	1 / 0	25.69	21.74	0.149	34.77	-13.03	23.89	0.245	36.99	-13.10	
		784.5	-1.80	1 / 24	25.70	21.75	0.150	34.77	-13.02	23.90	0.245	36.99	-13.09	
	16-QAM	782.0	-1.80	1 / 0	25.29	21.34	0.136	34.77	-13.43	23.49	0.223	36.99	-13.50	
	64-QAM	784.5	-1.80	1 / 24	24.32	20.37	0.109	34.77	-14.40	22.52	0.179	36.99	-14.47	
10 MHz	256-QAM	784.5	-1.80	1 / 24	21.20	17.25	0.053	34.77	-17.52	19.40	0.087	36.99	-17.59	
		QPSK	782.0	-1.80	1 / 25	25.67	21.72	0.149	34.77	-13.05	23.87	0.244	36.99	-13.12
		16-QAM	782.0	-1.80	1 / 25	25.40	21.45	0.140	34.77	-13.32	23.60	0.229	36.99	-13.39
	64-QAM	782.0	-1.80	1 / 25	23.88	19.93	0.098	34.77	-14.84	22.08	0.161	36.99	-14.91	
	256-QAM	782.0	-1.80	1 / 49	21.39	17.44	0.055	34.77	-17.33	19.59	0.091	36.99	-17.40	


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

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 235 of 301

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	-2.00	1 / 0	25.34	23.34	0.216	30.00	-6.66
		1745.0	-2.00	1 / 12	25.32	23.32	0.215	30.00	-6.68
		1777.5	-2.00	1 / 12	25.63	23.63	0.231	30.00	-6.37
	QPSK	1712.5	-2.00	1 / 12	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 12	25.27	23.27	0.212	30.00	-6.73
		1777.5	-2.00	1 / 24	25.38	23.38	0.218	30.00	-6.62
		1745.0	-2.00	1 / 24	24.29	22.29	0.169	30.00	-7.71
16-QAM	1745.0	-2.00	1 / 24	23.80	21.80	0.151	30.00	-8.20	
64-QAM	1745.0	-2.00	1 / 24	21.85	19.85	0.097	30.00	-10.15	
10 MHz	π/2 BPSK	1715.0	-2.00	1 / 0	25.66	23.66	0.232	30.00	-6.34
		1745.0	-2.00	1 / 49	25.39	23.39	0.218	30.00	-6.61
		1775.0	-2.00	1 / 49	25.66	23.66	0.232	30.00	-6.34
	QPSK	1715.0	-2.00	1 / 49	25.54	23.54	0.226	30.00	-6.46
		1745.0	-2.00	1 / 25	25.26	23.26	0.212	30.00	-6.74
		1775.0	-2.00	1 / 25	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 0	24.47	22.47	0.177	30.00	-7.53
16-QAM	1775.0	-2.00	1 / 0	23.86	21.86	0.153	30.00	-8.14	
256-QAM	1715.0	-2.00	1 / 0	21.84	19.84	0.096	30.00	-10.16	
15 MHz	π/2 BPSK	1717.5	-2.00	1 / 37	25.54	23.54	0.226	30.00	-6.46
		1745.0	-2.00	1 / 74	25.64	23.64	0.231	30.00	-6.36
		1772.5	-2.00	1 / 0	25.68	23.68	0.233	30.00	-6.32
	QPSK	1717.5	-2.00	1 / 37	25.45	23.45	0.221	30.00	-6.55
		1745.0	-2.00	1 / 0	25.57	23.57	0.227	30.00	-6.43
		1772.5	-2.00	1 / 74	25.70	23.70	0.234	30.00	-6.30
		1717.5	-2.00	1 / 37	24.57	22.57	0.181	30.00	-7.43
16-QAM	1717.5	-2.00	1 / 0	23.99	21.99	0.158	30.00	-8.01	
256-QAM	1745.0	-2.00	1 / 0	21.84	19.84	0.096	30.00	-10.16	
20 MHz	π/2 BPSK	1720.0	-2.00	1 / 99	25.51	23.51	0.224	30.00	-6.49
		1745.0	-2.00	1 / 50	25.52	23.52	0.225	30.00	-6.48
		1770.0	-2.00	1 / 99	25.70	23.70	0.234	30.00	-6.30
	QPSK	1720.0	-2.00	1 / 99	25.37	23.37	0.217	30.00	-6.63
		1745.0	-2.00	1 / 99	25.54	23.54	0.226	30.00	-6.46
		1770.0	-2.00	1 / 50	25.40	23.40	0.219	30.00	-6.60
		1745.0	-2.00	1 / 99	24.73	22.73	0.187	30.00	-7.27
16-QAM	1770.0	-2.00	1 / 0	23.88	21.88	0.154	30.00	-8.12	
256-QAM	1770.0	-2.00	1 / 0	21.89	19.89	0.098	30.00	-10.11	
30 MHz	π/2 BPSK	1725.0	-2.00	1 / 99	23.60	21.60	0.145	30.00	-8.40
		1745.0	-2.00	1 / 99	23.66	21.66	0.147	30.00	-8.34
		1765.0	-2.00	1 / 50	23.43	21.43	0.139	30.00	-8.57
	QPSK	1725.0	-2.00	1 / 99	23.45	21.45	0.140	30.00	-8.55
		1745.0	-2.00	1 / 99	23.70	21.70	0.148	30.00	-8.30
		1765.0	-2.00	1 / 50	23.45	21.45	0.140	30.00	-8.55
		1725.0	-2.00	1 / 50	22.69	20.69	0.117	30.00	-9.31
16-QAM	1765.0	-2.00	1 / 0	21.84	19.84	0.096	30.00	-10.16	
256-QAM	1725.0	-2.00	1 / 0	19.77	17.77	0.060	30.00	-12.23	
40 MHz	π/2 BPSK	1730.0	-2.00	1 / 0	23.69	21.69	0.148	30.00	-8.31
		1745.0	-2.00	1 / 99	23.22	21.22	0.132	30.00	-8.78
		1760.0	-2.00	1 / 50	23.45	21.45	0.140	30.00	-8.55
	QPSK	1730.0	-2.00	1 / 50	23.62	21.62	0.145	30.00	-8.38
		1745.0	-2.00	1 / 99	23.70	21.70	0.148	30.00	-8.30
		1760.0	-2.00	1 / 99	23.34	21.34	0.136	30.00	-8.66
		1745.0	-2.00	1 / 0	23.11	21.11	0.129	30.00	-8.89
16-QAM	1730.0	-2.00	1 / 50	21.83	19.83	0.096	30.00	-10.17	
256-QAM	1745.0	-2.00	1 / 50	19.85	17.85	0.061	30.00	-12.15	


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

FCC ID: BCGA2568	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 236 of 301

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
5 MHz	π/2 BPSK	665.5	-3.60	1 / 24	25.57	19.82	0.096	34.77	-14.95	21.97	0.157	36.99	-15.02	
		680.5	-3.60	1 / 0	25.59	19.84	0.096	34.77	-14.93	21.99	0.158	36.99	-15.00	
		695.5	-3.60	1 / 12	25.56	19.81	0.096	34.77	-14.97	21.96	0.157	36.99	-15.03	
	QPSK	665.5	-3.60	1 / 24	25.70	19.95	0.099	34.77	-14.82	22.10	0.162	36.99	-14.89	
		680.5	-3.60	1 / 0	25.47	19.72	0.094	34.77	-15.05	21.87	0.154	36.99	-15.12	
		695.5	-3.60	1 / 0	25.53	19.78	0.095	34.77	-14.99	21.93	0.156	36.99	-15.06	
		16-QAM	665.5	-3.60	1 / 12	24.43	18.68	0.074	34.77	-16.09	20.83	0.121	36.99	-16.16
		64-QAM	680.5	-3.60	1 / 0	23.74	17.99	0.063	34.77	-16.78	20.14	0.103	36.99	-16.85
256-QAM	665.5	-3.60	1 / 0	21.67	15.92	0.039	34.77	-18.85	18.07	0.064	36.99	-18.92		
10 MHz	π/2 BPSK	668.0	-3.60	1 / 0	25.70	19.95	0.099	34.77	-14.83	22.10	0.162	36.99	-14.89	
		680.5	-3.60	1 / 0	25.63	19.88	0.097	34.77	-14.89	22.03	0.160	36.99	-14.96	
		693.0	-3.60	1 / 0	25.42	19.67	0.093	34.77	-15.10	21.82	0.152	36.99	-15.17	
	QPSK	668.0	-3.60	1 / 0	25.60	19.85	0.097	34.77	-14.92	22.00	0.159	36.99	-14.99	
		680.5	-3.60	1 / 25	25.70	19.95	0.099	34.77	-14.82	22.10	0.162	36.99	-14.89	
		693.0	-3.60	1 / 0	25.29	19.54	0.090	34.77	-15.23	21.69	0.148	36.99	-15.30	
		16-QAM	693.0	-3.60	1 / 25	24.30	18.55	0.072	34.77	-16.22	20.70	0.117	36.99	-16.29
		64-QAM	668.0	-3.60	1 / 25	23.73	17.98	0.063	34.77	-16.79	20.13	0.103	36.99	-16.85
256-QAM	668.0	-3.60	1 / 25	21.58	15.83	0.038	34.77	-18.94	17.98	0.063	36.99	-19.01		
15 MHz	π/2 BPSK	670.5	-3.60	1 / 0	25.69	19.94	0.099	34.77	-14.84	22.09	0.162	36.99	-14.90	
		680.5	-3.60	1 / 0	25.62	19.87	0.097	34.77	-14.90	22.02	0.159	36.99	-14.97	
		690.5	-3.60	1 / 37	25.53	19.78	0.095	34.77	-14.99	21.93	0.156	36.99	-15.06	
	QPSK	670.5	-3.60	1 / 0	25.59	19.84	0.096	34.77	-14.93	21.99	0.158	36.99	-15.00	
		680.5	-3.60	1 / 74	25.44	19.69	0.093	34.77	-15.09	21.84	0.153	36.99	-15.15	
		690.5	-3.60	1 / 74	25.36	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23	
		16-QAM	680.5	-3.60	1 / 74	24.78	19.03	0.080	34.77	-15.74	21.18	0.131	36.99	-15.81
		64-QAM	670.5	-3.60	1 / 37	23.72	17.97	0.063	34.77	-16.80	20.12	0.103	36.99	-16.87
256-QAM	670.5	-3.60	1 / 37	21.74	15.99	0.040	34.77	-18.79	18.14	0.065	36.99	-18.85		
20 MHz	π/2 BPSK	673.0	-3.60	1 / 0	25.23	19.48	0.089	34.77	-15.29	21.63	0.145	36.99	-15.36	
		680.5	-3.60	1 / 99	25.61	19.86	0.097	34.77	-14.91	22.01	0.159	36.99	-14.98	
		688.0	-3.60	1 / 99	25.62	19.87	0.097	34.77	-14.91	22.02	0.159	36.99	-14.97	
	QPSK	673.0	-3.60	1 / 0	25.70	19.95	0.099	34.77	-14.82	22.10	0.162	36.99	-14.89	
		680.5	-3.60	1 / 99	25.12	19.37	0.087	34.77	-15.40	21.52	0.142	36.99	-15.47	
		688.0	-3.60	1 / 50	25.34	19.59	0.091	34.77	-15.18	21.74	0.149	36.99	-15.25	
		16-QAM	673.0	-3.60	1 / 0	24.29	18.54	0.071	34.77	-16.23	20.69	0.117	36.99	-16.30
		64-QAM	688.0	-3.60	1 / 99	23.64	17.89	0.062	34.77	-16.88	20.04	0.101	36.99	-16.95
256-QAM	680.5	-3.60	1 / 99	21.59	15.84	0.038	34.77	-18.93	17.99	0.063	36.99	-19.00		

Table 7-9. Antenna 4 ERP/EIRP Data (NR Band n71)

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 237 of 301

NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
5 MHz	π/2 BPSK	701.5	-3.00	1 / 1	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29	
		707.5	-3.00	1 / 23	25.60	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39	
		713.5	-3.00	1 / 23	25.59	20.44	0.111	34.77	-14.33	22.59	0.182	36.99	-14.40	
	QPSK	701.5	-3.00	1 / 1	25.68	20.53	0.113	34.77	-14.24	22.68	0.185	36.99	-14.31	
		707.5	-3.00	1 / 1	25.43	20.28	0.107	34.77	-14.50	22.43	0.175	36.99	-14.56	
		713.5	-3.00	1 / 1	25.59	20.44	0.111	34.77	-14.33	22.59	0.182	36.99	-14.40	
		16-QAM	701.5	-3.00	1 / 1	24.64	19.49	0.089	34.77	-15.28	21.64	0.146	36.99	-15.35
		64-QAM	701.5	-3.00	1 / 12	23.99	18.84	0.077	34.77	-15.93	20.99	0.126	36.99	-16.00
256-QAM	701.5	-3.00	1 / 12	22.06	16.91	0.049	34.77	-17.86	19.06	0.081	36.99	-17.93		
10 MHz	π/2 BPSK	704.0	-3.00	1 / 26	25.49	20.34	0.108	34.77	-14.44	22.49	0.177	36.99	-14.50	
		707.5	-3.00	1 / 50	25.69	20.54	0.113	34.77	-14.23	22.69	0.186	36.99	-14.30	
		711.0	-3.00	1 / 50	25.68	20.53	0.113	34.77	-14.24	22.68	0.185	36.99	-14.31	
	QPSK	704.0	-3.00	1 / 1	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29	
		707.5	-3.00	1 / 1	25.68	20.53	0.113	34.77	-14.24	22.68	0.185	36.99	-14.31	
		711.0	-3.00	1 / 26	25.56	20.41	0.110	34.77	-14.36	22.56	0.180	36.99	-14.43	
		16-QAM	704.0	-3.00	1 / 1	24.97	19.82	0.096	34.77	-14.96	21.97	0.157	36.99	-15.02
	64-QAM	704.0	-3.00	1 / 1	23.88	18.73	0.075	34.77	-16.04	20.88	0.123	36.99	-16.11	
	256-QAM	704.0	-3.00	1 / 26	21.69	16.54	0.045	34.77	-18.24	18.69	0.074	36.99	-18.30	
	15 MHz	π/2 BPSK	706.5	-3.00	1 / 1	25.69	20.54	0.113	34.77	-14.23	22.69	0.186	36.99	-14.30
707.5			-3.00	1 / 1	25.54	20.39	0.110	34.77	-14.38	22.54	0.180	36.99	-14.45	
708.5			-3.00	1 / 1	25.70	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29	
QPSK		706.5	-3.00	1 / 1	25.27	20.12	0.103	34.77	-14.66	22.27	0.168	36.99	-14.72	
		707.5	-3.00	1 / 1	25.27	20.12	0.103	34.77	-14.65	22.27	0.169	36.99	-14.72	
		708.5	-3.00	1 / 77	25.32	20.17	0.104	34.77	-14.60	22.32	0.170	36.99	-14.67	
		16-QAM	706.5	-3.00	1 / 39	24.35	19.20	0.083	34.77	-15.57	21.35	0.137	36.99	-15.64
64-QAM		706.5	-3.00	1 / 39	23.76	18.61	0.073	34.77	-16.16	20.76	0.119	36.99	-16.23	
256-QAM		708.5	-3.00	1 / 39	21.74	16.59	0.046	34.77	-18.18	18.74	0.075	36.99	-18.25	

Table 7-10. Antenna 4 ERP/EIRP Data (NR Band n12)

Uplink CA LTE Band 66B/C


Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency							UL # RB	UL RB Offset
Max	LTE B66	20MHz + 20MHz	QPSK	132072	1720.0	1	99	QPSK	132270	1739.8	1	0	25.18	-2.00	23.18	0.208	40.61	-17.43
				132322	1745.0	1	99		132520	1764.8	1	0	25.70	-2.00	23.70	0.234	40.61	-16.91
			QPSK	132572	1770.0	1	0	132374	1750.2	1	99	25.22	-2.00	23.22	0.210	40.61	-17.39	
				132322	1745	100	0	QPSK	132520	1764.8	100	0	24.54	-2.00	22.54	0.179	40.61	-18.07
			16-QAM	132322	1745	100	0	16-QAM	132520	1764.8	100	0	23.89	-2.00	21.89	0.155	40.61	-18.72
			64-QAM	132322	1745	100	0	64-QAM	132520	1764.8	100	0	23.00	-2.00	21.00	0.126	40.61	-19.61
			256-QAM	132322	1745	100	0	256-QAM	132520	1764.8	100	0	21.94	-2.00	19.94	0.099	40.61	-20.67

Table 7-11. Antenna 4 EIRP Data (ULCA LTE Band 66)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.42	-2.00	23.42	0.220	30.00	-6.58
1732.60	WCDMA1700	25.45	-2.00	23.45	0.221	30.00	-6.55
1752.60	WCDMA1700	25.56	-2.00	23.56	0.227	30.00	-6.44

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


FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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7.6.2 Antenna 2 – ERP/EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-1.90	1 / 0	23.58	21.68	0.147	30.00	-8.32
		1745.0	-1.90	1 / 0	23.52	21.62	0.145	30.00	-8.38
		1779.3	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1745.0	-1.90	1 / 0	22.98	21.08	0.128	30.00	-8.92
	64-QAM	1745.0	-1.90	1 / 0	22.35	20.45	0.111	30.00	-9.55
	256-QAM	1710.7	-1.90	1 / 0	19.09	17.19	0.052	30.00	-12.81
3 MHz	QPSK	1711.5	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
		1745.0	-1.90	1 / 14	23.56	21.66	0.147	30.00	-8.34
		1778.5	-1.90	1 / 7	23.65	21.75	0.150	30.00	-8.25
	16-QAM	1778.5	-1.90	1 / 0	22.94	21.04	0.127	30.00	-8.96
	64-QAM	1745.0	-1.90	1 / 0	22.33	20.43	0.110	30.00	-9.57
	256-QAM	1711.5	-1.90	1 / 0	19.18	17.28	0.053	30.00	-12.72
5 MHz	QPSK	1712.5	-1.90	1 / 0	23.55	21.65	0.146	30.00	-8.35
		1745.0	-1.90	1 / 0	23.64	21.74	0.149	30.00	-8.26
		1777.5	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1712.5	-1.90	1 / 24	23.18	21.28	0.134	30.00	-8.72
	64-QAM	1745.0	-1.90	1 / 0	22.34	20.44	0.111	30.00	-9.56
	256-QAM	1777.5	-1.90	1 / 12	19.32	17.42	0.055	30.00	-12.58
10 MHz	QPSK	1715.0	-1.90	1 / 49	23.70	21.80	0.151	30.00	-8.20
		1745.0	-1.90	1 / 25	23.63	21.73	0.149	30.00	-8.27
		1775.0	-1.90	1 / 25	23.69	21.79	0.151	30.00	-8.21
	16-QAM	1775.0	-1.90	1 / 25	23.00	21.10	0.129	30.00	-8.90
	64-QAM	1745.0	-1.90	1 / 49	22.37	20.47	0.111	30.00	-9.53
	256-QAM	1715.0	-1.90	1 / 49	19.23	17.33	0.054	30.00	-12.67
15 MHz	QPSK	1717.5	-1.90	1 / 0	23.69	21.79	0.151	30.00	-8.21
		1745.0	-1.90	1 / 0	23.63	21.73	0.149	30.00	-8.27
		1772.5	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1717.5	-1.90	1 / 0	23.19	21.29	0.135	30.00	-8.71
	64-QAM	1745.0	-1.90	1 / 0	22.42	20.52	0.113	30.00	-9.48
	256-QAM	1717.5	-1.90	1 / 0	19.14	17.24	0.053	30.00	-12.76
20 MHz	QPSK	1720.0	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
		1745.0	-1.90	1 / 50	23.68	21.78	0.151	30.00	-8.22
		1770.0	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1745.0	-1.90	1 / 99	23.11	21.21	0.132	30.00	-8.79
	64-QAM	1770.0	-1.90	1 / 0	22.42	20.52	0.113	30.00	-9.48
	256-QAM	1745.0	-1.90	1 / 99	19.28	17.38	0.055	30.00	-12.62


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

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 239 of 301

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-1.90	1 / 0	23.49	21.59	0.144	30.00	-8.41
		1732.5	-1.90	1 / 0	23.50	21.60	0.145	30.00	-8.40
		1754.3	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1710.7	-1.90	1 / 0	22.90	21.00	0.126	30.00	-9.00
	256-QAM	1754.3	-1.90	1 / 0	19.05	17.15	0.052	30.00	-12.85
3 MHz	QPSK	1711.5	-1.90	1 / 0	23.62	21.72	0.149	30.00	-8.28
		1732.5	-1.90	1 / 14	23.60	21.70	0.148	30.00	-8.30
		1753.5	-1.90	1 / 14	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1753.5	-1.90	1 / 0	23.09	21.19	0.132	30.00	-8.81
	256-QAM	1732.5	-1.90	1 / 0	19.11	17.21	0.053	30.00	-12.79
5 MHz	QPSK	1712.5	-1.90	1 / 24	23.65	21.75	0.150	30.00	-8.25
		1732.5	-1.90	1 / 0	23.62	21.72	0.149	30.00	-8.28
		1752.5	-1.90	1 / 24	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1732.5	-1.90	1 / 24	23.22	21.32	0.136	30.00	-8.68
	256-QAM	1732.5	-1.90	1 / 0	19.04	17.14	0.052	30.00	-12.86
10 MHz	QPSK	1715.0	-1.90	1 / 49	23.59	21.69	0.148	30.00	-8.31
		1732.5	-1.90	1 / 25	23.63	21.73	0.149	30.00	-8.27
		1750.0	-1.90	1 / 49	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1750.0	-1.90	1 / 25	23.12	21.22	0.132	30.00	-8.78
	256-QAM	1715.0	-1.90	1 / 49	19.10	17.20	0.052	30.00	-12.80
15 MHz	QPSK	1717.5	-1.90	1 / 37	23.54	21.64	0.146	30.00	-8.36
		1732.5	-1.90	1 / 37	23.62	21.72	0.149	30.00	-8.28
		1747.5	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
	16-QAM	1747.5	-1.90	1 / 0	23.18	21.28	0.134	30.00	-8.72
	256-QAM	1747.5	-1.90	1 / 0	19.07	17.17	0.052	30.00	-12.83
20 MHz	QPSK	1720.0	-1.90	1 / 50	23.70	21.80	0.151	30.00	-8.20
		1732.5	-1.90	1 / 50	23.61	21.71	0.148	30.00	-8.29
		1745.0	-1.90	1 / 0	23.67	21.77	0.150	30.00	-8.23
	16-QAM	1732.5	-1.90	1 / 50	23.21	21.31	0.135	30.00	-8.69
	256-QAM	1720.0	-1.90	1 / 99	19.00	17.10	0.051	30.00	-12.90

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

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 240 of 301

LTE Band 71


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-3.70	1 / 12	24.93	19.08	0.081	34.77	-15.69	21.23	0.133	36.99	-15.76
		680.5	-3.70	1 / 0	25.03	19.18	0.083	34.77	-15.59	21.33	0.136	36.99	-15.66
		695.5	-3.70	1 / 12	25.10	19.25	0.084	34.77	-15.52	21.40	0.138	36.99	-15.59
	16-QAM	665.5	-3.70	1 / 0	24.55	18.70	0.074	34.77	-16.07	20.85	0.122	36.99	-16.14
		680.5	-3.70	1 / 0	23.62	17.77	0.060	34.77	-17.00	19.92	0.098	36.99	-17.07
256-QAM	695.5	-3.70	1 / 0	20.77	14.92	0.031	34.77	-19.85	17.07	0.051	36.99	-19.92	
10 MHz	QPSK	668.0	-3.70	1 / 25	25.11	19.26	0.084	34.77	-15.51	21.41	0.138	36.99	-15.58
		680.5	-3.70	1 / 25	24.96	19.11	0.081	34.77	-15.66	21.26	0.134	36.99	-15.73
		693.0	-3.70	1 / 0	24.92	19.07	0.081	34.77	-15.70	21.22	0.132	36.99	-15.77
	16-QAM	680.5	-3.70	1 / 25	24.32	18.47	0.070	34.77	-16.30	20.62	0.115	36.99	-16.37
		680.5	-3.70	1 / 25	23.69	17.84	0.061	34.77	-16.93	19.99	0.100	36.99	-17.00
256-QAM	668.0	-3.70	1 / 49	20.54	14.69	0.029	34.77	-20.08	16.84	0.048	36.99	-20.15	
15 MHz	QPSK	670.5	-3.70	1 / 0	25.09	19.24	0.084	34.77	-15.53	21.39	0.138	36.99	-15.60
		680.5	-3.70	1 / 0	24.94	19.09	0.081	34.77	-15.68	21.24	0.133	36.99	-15.75
		690.5	-3.70	1 / 0	24.89	19.04	0.080	34.77	-15.73	21.19	0.132	36.99	-15.80
	16-QAM	670.5	-3.70	1 / 74	24.58	18.73	0.075	34.77	-16.04	20.88	0.122	36.99	-16.11
		680.5	-3.70	1 / 0	23.76	17.91	0.062	34.77	-16.86	20.06	0.101	36.99	-16.93
256-QAM	670.5	-3.70	1 / 0	20.46	14.61	0.029	34.77	-20.16	16.76	0.047	36.99	-20.23	
20 MHz	QPSK	673.0	-3.70	1 / 50	24.91	19.06	0.081	34.77	-15.71	21.21	0.132	36.99	-15.78
		680.5	-3.70	1 / 0	25.04	19.19	0.083	34.77	-15.58	21.34	0.136	36.99	-15.65
		688.0	-3.70	1 / 0	24.95	19.10	0.081	34.77	-15.67	21.25	0.133	36.99	-15.74
	16-QAM	673.0	-3.70	1 / 50	24.39	18.54	0.071	34.77	-16.23	20.69	0.117	36.99	-16.30
		673.0	-3.70	1 / 0	23.66	17.81	0.060	34.77	-16.96	19.96	0.099	36.99	-17.03
256-QAM	680.5	-3.70	1 / 0	20.44	14.59	0.029	34.77	-20.18	16.74	0.047	36.99	-20.25	

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

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-3.90	1 / 3	25.20	19.15	0.082	34.77	-15.62	21.30	0.135	36.99	-15.69
		707.5	-3.90	1 / 0	25.15	19.10	0.081	34.77	-15.67	21.25	0.133	36.99	-15.74
		715.3	-3.90	1 / 0	25.18	19.13	0.082	34.77	-15.64	21.28	0.134	36.99	-15.71
	16-QAM	699.7	-3.90	1 / 0	24.52	18.47	0.070	34.77	-16.30	20.62	0.115	36.99	-16.37
		715.3	-3.90	1 / 0	23.93	17.88	0.061	34.77	-16.89	20.03	0.101	36.99	-16.96
256-QAM	715.3	-3.90	1 / 3	21.05	15.00	0.032	34.77	-19.77	17.15	0.052	36.99	-19.84	
3 MHz	QPSK	700.5	-3.90	1 / 7	25.20	19.15	0.082	34.77	-15.62	21.30	0.135	36.99	-15.69
		707.5	-3.90	1 / 14	25.16	19.11	0.081	34.77	-15.66	21.26	0.134	36.99	-15.73
		714.5	-3.90	1 / 14	25.20	19.15	0.082	34.77	-15.62	21.30	0.135	36.99	-15.69
	16-QAM	700.5	-3.90	1 / 7	24.59	18.54	0.071	34.77	-16.23	20.69	0.117	36.99	-16.30
		707.5	-3.90	1 / 14	23.87	17.82	0.061	34.77	-16.95	19.97	0.099	36.99	-17.02
256-QAM	707.5	-3.90	1 / 14	20.70	14.65	0.029	34.77	-20.12	16.80	0.048	36.99	-20.19	
5 MHz	QPSK	701.5	-3.90	1 / 12	25.16	19.11	0.081	34.77	-15.66	21.26	0.134	36.99	-15.73
		707.5	-3.90	1 / 12	25.20	19.15	0.082	34.77	-15.62	21.30	0.135	36.99	-15.69
		713.5	-3.90	1 / 24	25.18	19.13	0.082	34.77	-15.64	21.28	0.134	36.99	-15.71
	16-QAM	701.5	-3.90	1 / 12	24.91	18.86	0.077	34.77	-15.91	21.01	0.126	36.99	-15.98
		701.5	-3.90	1 / 12	24.34	18.29	0.067	34.77	-16.48	20.44	0.111	36.99	-16.55
256-QAM	701.5	-3.90	1 / 12	21.06	15.01	0.032	34.77	-19.76	17.16	0.052	36.99	-19.83	
10 MHz	QPSK	704.0	-3.90	1 / 25	25.19	19.14	0.082	34.77	-15.63	21.29	0.135	36.99	-15.70
		707.5	-3.90	1 / 25	25.17	19.12	0.082	34.77	-15.65	21.27	0.134	36.99	-15.72
		711.0	-3.90	1 / 0	25.20	19.15	0.082	34.77	-15.62	21.30	0.135	36.99	-15.69
	16-QAM	711.0	-3.90	1 / 0	24.66	18.61	0.073	34.77	-16.16	20.76	0.119	36.99	-16.23
		707.5	-3.90	1 / 0	24.01	17.96	0.063	34.77	-16.81	20.11	0.103	36.99	-16.88
256-QAM	704.0	-3.90	1 / 0	20.73	14.68	0.029	34.77	-20.09	16.83	0.048	36.99	-20.16	


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

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 241 of 301

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-2.50	1 / 0	25.13	20.48	0.112	34.77	-14.29	22.63	0.183	36.99	-14.36
		782.0	-2.50	1 / 24	25.13	20.48	0.112	34.77	-14.29	22.63	0.183	36.99	-14.36
		784.5	-2.50	1 / 24	25.19	20.54	0.113	34.77	-14.23	22.69	0.186	36.99	-14.30
	16-QAM	779.5	-2.50	1 / 12	24.84	20.19	0.104	34.77	-14.58	22.34	0.171	36.99	-14.65
	64-QAM	779.5	-2.50	1 / 0	24.17	19.52	0.090	34.77	-15.25	21.67	0.147	36.99	-15.32
10 MHz	256-QAM	779.5	-2.50	1 / 24	21.05	16.40	0.044	34.77	-18.37	18.55	0.072	36.99	-18.44
	QPSK	782.0	-2.50	1 / 49	25.20	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
	16-QAM	782.0	-2.50	1 / 0	24.20	19.55	0.090	34.77	-15.22	21.70	0.148	36.99	-15.29
	64-QAM	782.0	-2.50	1 / 0	23.73	19.08	0.081	34.77	-15.69	21.23	0.133	36.99	-15.76
	256-QAM	782.0	-2.50	1 / 49	20.58	15.93	0.039	34.77	-18.84	18.08	0.064	36.99	-18.91


Table 7-17. Antenna 2 ERP/EIRP Data (LTE Band 13)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 242 of 301

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-1.90	1 / 0	23.70	21.80	0.151	30.00	-8.20
		1745.0	-1.90	1 / 12	23.51	21.61	0.145	30.00	-8.39
		1777.5	-1.90	1 / 24	23.55	21.65	0.146	30.00	-8.35
	QPSK	1712.5	-1.90	1 / 12	23.57	21.67	0.147	30.00	-8.33
		1745.0	-1.90	1 / 12	23.40	21.50	0.141	30.00	-8.50
		1777.5	-1.90	1 / 12	23.35	21.45	0.140	30.00	-8.55
	16-QAM	1712.5	-1.90	1 / 24	22.33	20.43	0.111	30.00	-9.57
64-QAM	1712.5	-1.90	1 / 12	20.86	18.96	0.079	30.00	-11.04	
256-QAM	1712.5	-1.90	1 / 24	19.18	17.28	0.053	30.00	-12.72	
10 MHz	π/2 BPSK	1715.0	-1.90	1 / 49	23.70	21.80	0.151	30.00	-8.20
		1745.0	-1.90	1 / 0	23.42	21.52	0.142	30.00	-8.48
		1775.0	-1.90	1 / 0	23.59	21.69	0.148	30.00	-8.31
	QPSK	1715.0	-1.90	1 / 25	23.64	21.74	0.149	30.00	-8.26
		1745.0	-1.90	1 / 0	23.66	21.76	0.150	30.00	-8.24
		1775.0	-1.90	1 / 49	23.16	21.26	0.134	30.00	-8.74
	16-QAM	1715.0	-1.90	1 / 0	22.41	20.51	0.112	30.00	-9.49
64-QAM	1745.0	-1.90	1 / 49	21.04	19.14	0.082	30.00	-10.86	
256-QAM	1715.0	-1.90	1 / 25	19.11	17.21	0.053	30.00	-12.79	
15 MHz	π/2 BPSK	1717.5	-1.90	1 / 0	23.61	21.71	0.148	30.00	-8.29
		1745.0	-1.90	1 / 0	23.60	21.70	0.148	30.00	-8.30
		1772.5	-1.90	1 / 0	23.65	21.75	0.149	30.00	-8.25
	QPSK	1717.5	-1.90	1 / 37	23.44	21.54	0.142	30.00	-8.46
		1745.0	-1.90	1 / 74	23.70	21.80	0.151	30.00	-8.20
		1772.5	-1.90	1 / 0	23.16	21.26	0.134	30.00	-8.74
	16-QAM	1745.0	-1.90	1 / 0	22.50	20.60	0.115	30.00	-9.40
64-QAM	1772.5	-1.90	1 / 37	21.02	19.12	0.082	30.00	-10.88	
256-QAM	1717.5	-1.90	1 / 0	18.96	17.06	0.051	30.00	-12.94	
20 MHz	π/2 BPSK	1720.0	-1.90	1 / 99	23.62	21.72	0.148	30.00	-8.28
		1745.0	-1.90	1 / 99	23.69	21.79	0.151	30.00	-8.21
		1770.0	-1.90	1 / 0	23.55	21.65	0.146	30.00	-8.35
	QPSK	1720.0	-1.90	1 / 50	23.57	21.67	0.147	30.00	-8.33
		1745.0	-1.90	1 / 99	23.70	21.80	0.151	30.00	-8.20
		1770.0	-1.90	1 / 50	23.27	21.37	0.137	30.00	-8.63
	16-QAM	1720.0	-1.90	1 / 0	22.40	20.50	0.112	30.00	-9.50
64-QAM	1770.0	-1.90	1 / 50	20.90	19.00	0.079	30.00	-11.00	
256-QAM	1770.0	-1.90	1 / 0	19.14	17.24	0.053	30.00	-12.76	
30 MHz	π/2 BPSK	1725.0	-1.90	1 / 0	21.35	19.45	0.088	30.00	-10.55
		1745.0	-1.90	1 / 50	21.35	19.45	0.088	30.00	-10.55
		1765.0	-1.90	1 / 0	21.70	19.80	0.095	30.00	-10.20
	QPSK	1725.0	-1.90	1 / 50	21.50	19.60	0.091	30.00	-10.40
		1745.0	-1.90	1 / 0	21.54	19.64	0.092	30.00	-10.36
		1765.0	-1.90	1 / 0	21.50	19.60	0.091	30.00	-10.40
	16-QAM	1725.0	-1.90	1 / 0	20.46	18.56	0.072	30.00	-11.44
64-QAM	1725.0	-1.90	1 / 0	19.14	17.24	0.053	30.00	-12.76	
256-QAM	1745.0	-1.90	1 / 99	17.34	15.44	0.035	30.00	-14.56	
40 MHz	π/2 BPSK	1730.0	-1.90	1 / 0	21.50	19.60	0.091	30.00	-10.40
		1745.0	-1.90	1 / 50	21.70	19.80	0.095	30.00	-10.20
		1760.0	-1.90	1 / 0	21.39	19.49	0.089	30.00	-10.51
	QPSK	1730.0	-1.90	1 / 99	20.88	18.98	0.079	30.00	-11.02
		1745.0	-1.90	1 / 0	21.19	19.29	0.085	30.00	-10.71
		1760.0	-1.90	1 / 99	21.44	19.54	0.090	30.00	-10.46
	16-QAM	1760.0	-1.90	1 / 0	20.12	18.22	0.066	30.00	-11.78
64-QAM	1745.0	-1.90	1 / 0	18.95	17.05	0.051	30.00	-12.95	
256-QAM	1730.0	-1.90	1 / 50	17.41	15.51	0.036	30.00	-14.49	


Table 7-18. Antenna 2 EIRP Data (NR Band n66)

FCC ID: BCGA2568	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 243 of 301

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-3.70	1 / 0	24.97	19.12	0.082	34.77	-15.65	21.27	0.134	36.99	-15.72
		680.5	-3.70	1 / 12	25.05	19.20	0.083	34.77	-15.58	21.35	0.136	36.99	-15.64
		695.5	-3.70	1 / 0	25.20	19.35	0.086	34.77	-15.42	21.50	0.141	36.99	-15.49
	QPSK	665.5	-3.70	1 / 0	25.20	19.35	0.086	34.77	-15.42	21.50	0.141	36.99	-15.49
		680.5	-3.70	1 / 24	24.98	19.13	0.082	34.77	-15.64	21.28	0.134	36.99	-15.71
		695.5	-3.70	1 / 0	24.79	18.94	0.078	34.77	-15.83	21.09	0.129	36.99	-15.90
	16-QAM	665.5	-3.70	1 / 12	24.25	18.40	0.069	34.77	-16.37	20.55	0.114	36.99	-16.44
	64-QAM	680.5	-3.70	1 / 12	23.01	17.16	0.052	34.77	-17.62	19.31	0.085	36.99	-17.68
256-QAM	665.5	-3.70	1 / 12	21.22	15.37	0.034	34.77	-19.40	17.52	0.056	36.99	-19.47	
10 MHz	π/2 BPSK	668.0	-3.70	1 / 25	25.14	19.29	0.085	34.77	-15.48	21.44	0.139	36.99	-15.55
		680.5	-3.70	1 / 49	25.14	19.29	0.085	34.77	-15.48	21.44	0.139	36.99	-15.55
		693.0	-3.70	1 / 49	25.06	19.21	0.083	34.77	-15.56	21.36	0.137	36.99	-15.63
	QPSK	668.0	-3.70	1 / 25	25.04	19.19	0.083	34.77	-15.58	21.34	0.136	36.99	-15.65
		680.5	-3.70	1 / 25	25.20	19.35	0.086	34.77	-15.42	21.50	0.141	36.99	-15.49
		693.0	-3.70	1 / 25	25.20	19.35	0.086	34.77	-15.42	21.50	0.141	36.99	-15.49
	16-QAM	693.0	-3.70	1 / 25	24.31	18.46	0.070	34.77	-16.32	20.61	0.115	36.99	-16.38
	64-QAM	668.0	-3.70	1 / 25	23.18	17.33	0.054	34.77	-17.45	19.48	0.089	36.99	-17.51
256-QAM	680.5	-3.70	1 / 49	21.05	15.20	0.033	34.77	-19.57	17.35	0.054	36.99	-19.64	
15 MHz	π/2 BPSK	670.5	-3.70	1 / 0	25.10	19.25	0.084	34.77	-15.52	21.40	0.138	36.99	-15.59
		680.5	-3.70	1 / 0	24.97	19.12	0.082	34.77	-15.65	21.27	0.134	36.99	-15.72
		690.5	-3.70	1 / 37	24.98	19.13	0.082	34.77	-15.64	21.28	0.134	36.99	-15.71
	QPSK	670.5	-3.70	1 / 0	25.20	19.35	0.086	34.77	-15.42	21.50	0.141	36.99	-15.49
		680.5	-3.70	1 / 74	25.10	19.25	0.084	34.77	-15.52	21.40	0.138	36.99	-15.59
		690.5	-3.70	1 / 74	24.96	19.11	0.082	34.77	-15.66	21.26	0.134	36.99	-15.72
	16-QAM	690.5	-3.70	1 / 74	24.44	18.59	0.072	34.77	-16.18	20.74	0.119	36.99	-16.25
	64-QAM	690.5	-3.70	1 / 74	23.14	17.29	0.054	34.77	-17.48	19.44	0.088	36.99	-17.55
256-QAM	670.5	-3.70	1 / 37	21.01	15.16	0.033	34.77	-19.61	17.31	0.054	36.99	-19.68	
20 MHz	π/2 BPSK	673.0	-3.70	1 / 50	25.13	19.28	0.085	34.77	-15.49	21.43	0.139	36.99	-15.55
		680.5	-3.70	1 / 50	25.07	19.22	0.083	34.77	-15.56	21.37	0.137	36.99	-15.62
		688.0	-3.70	1 / 50	25.07	19.22	0.084	34.77	-15.55	21.37	0.137	36.99	-15.62
	QPSK	673.0	-3.70	1 / 0	25.20	19.35	0.086	34.77	-15.42	21.50	0.141	36.99	-15.49
		680.5	-3.70	1 / 0	24.81	18.96	0.079	34.77	-15.81	21.11	0.129	36.99	-15.88
		688.0	-3.70	1 / 50	24.71	18.86	0.077	34.77	-15.91	21.01	0.126	36.99	-15.98
	16-QAM	673.0	-3.70	1 / 0	23.99	18.14	0.065	34.77	-16.63	20.29	0.107	36.99	-16.70
	64-QAM	673.0	-3.70	1 / 50	23.09	17.24	0.053	34.77	-17.54	19.39	0.087	36.99	-17.60
256-QAM	673.0	-3.70	1 / 50	20.97	15.12	0.033	34.77	-19.65	17.27	0.053	36.99	-19.72	

Table 7-19. Antenna 2 ERP/EIRP Data (NR Band n71)

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 244 of 301

NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
5 MHz	π/2 BPSK	701.5	-3.90	1 / 1	25.20	19.15	0.082	34.77	-15.62	21.30	0.135	36.99	-15.69	
		707.5	-3.90	1 / 12	25.16	19.11	0.081	34.77	-15.66	21.26	0.134	36.99	-15.73	
		713.5	-3.90	1 / 12	25.15	19.10	0.081	34.77	-15.67	21.25	0.133	36.99	-15.74	
	QPSK	701.5	-3.90	1 / 12	25.06	19.01	0.080	34.77	-15.76	21.16	0.131	36.99	-15.83	
		707.5	-3.90	1 / 1	24.93	18.88	0.077	34.77	-15.89	21.03	0.127	36.99	-15.96	
		713.5	-3.90	1 / 1	24.74	18.69	0.074	34.77	-16.08	20.84	0.121	36.99	-16.14	
		16-QAM	707.5	-3.90	1 / 12	23.75	17.70	0.059	34.77	-17.07	19.85	0.097	36.99	-17.14
		64-QAM	701.5	-3.90	1 / 1	23.49	17.44	0.055	34.77	-17.34	19.59	0.091	36.99	-17.40
256-QAM	701.5	-3.90	1 / 23	21.18	15.13	0.033	34.77	-19.64	17.28	0.053	36.99	-19.71		
10 MHz	π/2 BPSK	704.0	-3.90	1 / 26	25.19	19.14	0.082	34.77	-15.63	21.29	0.134	36.99	-15.70	
		707.5	-3.90	1 / 26	25.01	18.96	0.079	34.77	-15.81	21.11	0.129	36.99	-15.87	
		711.0	-3.90	1 / 26	24.96	18.91	0.078	34.77	-15.86	21.06	0.128	36.99	-15.93	
	QPSK	704.0	-3.90	1 / 50	25.20	19.15	0.082	34.77	-15.62	21.30	0.135	36.99	-15.69	
		707.5	-3.90	1 / 1	24.81	18.76	0.075	34.77	-16.02	20.91	0.123	36.99	-16.08	
		711.0	-3.90	1 / 26	24.79	18.74	0.075	34.77	-16.03	20.89	0.123	36.99	-16.10	
		16-QAM	704.0	-3.90	1 / 1	24.13	18.08	0.064	34.77	-16.69	20.23	0.105	36.99	-16.76
	64-QAM	704.0	-3.90	1 / 26	23.16	17.11	0.051	34.77	-17.66	19.26	0.084	36.99	-17.73	
	256-QAM	704.0	-3.90	1 / 26	21.13	15.08	0.032	34.77	-19.69	17.23	0.053	36.99	-19.76	
	15 MHz	π/2 BPSK	706.5	-3.90	1 / 77	25.08	19.03	0.080	34.77	-15.74	21.18	0.131	36.99	-15.81
707.5			-3.90	1 / 77	24.98	18.93	0.078	34.77	-15.84	21.08	0.128	36.99	-15.91	
708.5			-3.90	1 / 77	25.17	19.12	0.082	34.77	-15.66	21.27	0.134	36.99	-15.72	
QPSK		706.5	-3.90	1 / 1	25.20	19.15	0.082	34.77	-15.62	21.30	0.135	36.99	-15.69	
		707.5	-3.90	1 / 1	24.96	18.91	0.078	34.77	-15.87	21.06	0.128	36.99	-15.93	
		708.5	-3.90	1 / 1	25.07	19.02	0.080	34.77	-15.75	21.17	0.131	36.99	-15.82	
		16-QAM	707.5	-3.90	1 / 1	24.10	18.05	0.064	34.77	-16.72	20.20	0.105	36.99	-16.79
		64-QAM	708.5	-3.90	1 / 77	23.15	17.10	0.051	34.77	-17.67	19.25	0.084	36.99	-17.74
256-QAM		708.5	-3.90	1 / 77	21.02	14.97	0.031	34.77	-19.80	17.12	0.052	36.99	-19.87	

Table 7-20. Antenna 2 ERP/EIRP Data (NR Band n12)

Uplink CA LTE Band 66B/C


Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency							UL # RB	UL RB Offset
Max	LTE B66	20MHz + 20MHz	QPSK	132072	1720.0	1	99	QPSK	132270	1739.8	1	0	23.72	-1.90	21.82	0.152	40.61	-18.79
				132322	1745.0	1	99		132520	1764.8	1	0	24	-1.90	22.10	0.162	40.61	-18.51
			QPSK	132572	1770.0	1	0	QPSK	132374	1750.2	1	99	23.99	-1.90	22.09	0.162	40.61	-18.52
				132322	1745	100	0		132520	1764.8	100	0	22.84	-1.90	20.94	0.124	40.61	-19.67
			64-QAM	132322	1745	100	0	64-QAM	132520	1764.8	100	0	21.64	-1.90	19.74	0.094	40.61	-20.87
				132322	1745	100	0		64-QAM	132520	1764.8	100	0	20.82	-1.90	18.92	0.078	40.61
			256-QAM	132322	1745	100	0	256-QAM	132520	1764.8	100	0	18.86	-1.90	16.96	0.050	40.61	-23.66

Table 7-21. Antenna 2 EIRP Data (ULCA LTE Band 66)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	23.30	-1.90	21.40	0.138	30.00	-8.60
1732.60	WCDMA1700	23.34	-1.90	21.44	0.139	30.00	-8.56
1752.60	WCDMA1700	23.37	-1.90	21.47	0.140	30.00	-8.53

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


FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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7.6.3 Antenna 1b – ERP/EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-0.80	1 / 0	22.45	21.65	0.146	30.00	-8.35
		1745.0	-0.80	1 / 0	22.61	21.81	0.152	30.00	-8.19
		1779.3	-0.80	1 / 0	22.67	21.87	0.154	30.00	-8.13
	16-QAM	1710.7	-0.80	1 / 0	21.88	21.08	0.128	30.00	-8.92
	64-QAM	1745.0	-0.80	1 / 5	20.91	20.11	0.103	30.00	-9.89
256-QAM	1745.0	-0.80	1 / 0	18.01	17.21	0.053	30.00	-12.79	
3 MHz	QPSK	1711.5	-0.80	1 / 0	22.57	21.77	0.150	30.00	-8.23
		1745.0	-0.80	1 / 14	22.63	21.83	0.152	30.00	-8.17
		1778.5	-0.80	1 / 7	22.70	21.90	0.155	30.00	-8.10
	16-QAM	1778.5	-0.80	1 / 7	21.98	21.18	0.131	30.00	-8.82
	64-QAM	1711.5	-0.80	1 / 0	20.97	20.17	0.104	30.00	-9.83
256-QAM	1778.5	-0.80	1 / 7	18.08	17.28	0.053	30.00	-12.72	
5 MHz	QPSK	1712.5	-0.80	1 / 0	22.59	21.79	0.151	30.00	-8.21
		1745.0	-0.80	1 / 24	22.57	21.77	0.150	30.00	-8.23
		1777.5	-0.80	1 / 12	22.66	21.86	0.153	30.00	-8.14
	16-QAM	1745.0	-0.80	1 / 0	22.19	21.39	0.138	30.00	-8.61
	64-QAM	1712.5	-0.80	1 / 0	21.11	20.31	0.107	30.00	-9.69
256-QAM	1745.0	-0.80	1 / 24	18.02	17.22	0.053	30.00	-12.78	
10 MHz	QPSK	1715.0	-0.80	1 / 25	22.48	21.68	0.147	30.00	-8.32
		1745.0	-0.80	1 / 49	22.62	21.82	0.152	30.00	-8.18
		1775.0	-0.80	1 / 49	22.70	21.90	0.155	30.00	-8.10
	16-QAM	1775.0	-0.80	1 / 0	22.08	21.28	0.134	30.00	-8.72
	64-QAM	1745.0	-0.80	1 / 0	20.98	20.18	0.104	30.00	-9.82
256-QAM	1745.0	-0.80	1 / 49	18.12	17.32	0.054	30.00	-12.68	
15 MHz	QPSK	1717.5	-0.80	1 / 0	22.59	21.79	0.151	30.00	-8.21
		1745.0	-0.80	1 / 0	22.63	21.83	0.152	30.00	-8.17
		1772.5	-0.80	1 / 0	22.70	21.90	0.155	30.00	-8.10
	16-QAM	1772.5	-0.80	1 / 0	22.10	21.30	0.135	30.00	-8.70
	64-QAM	1717.5	-0.80	1 / 0	21.13	20.33	0.108	30.00	-9.67
256-QAM	1772.5	-0.80	1 / 0	18.15	17.35	0.054	30.00	-12.65	
20 MHz	QPSK	1720.0	-0.80	1 / 50	22.65	21.85	0.153	30.00	-8.15
		1745.0	-0.80	1 / 99	22.70	21.90	0.155	30.00	-8.10
		1770.0	-0.80	1 / 50	22.66	21.86	0.153	30.00	-8.14
	16-QAM	1770.0	-0.80	1 / 50	22.28	21.48	0.141	30.00	-8.52
	64-QAM	1745.0	-0.80	1 / 0	21.25	20.45	0.111	30.00	-9.55
256-QAM	1770.0	-0.80	1 / 0	18.05	17.25	0.053	30.00	-12.75	


Table 7-23. Antenna 1b EIRP Data (LTE Band 66)

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 246 of 301

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 / 0	22.49	21.69	0.148	30.00	-8.31
		1732.5	-0.80	1 / 0	22.50	21.70	0.148	30.00	-8.30
		1754.3	-0.80	1 / 0	22.70	21.90	0.155	30.00	-8.10
	16-QAM	1710.7	-0.80	1 / 0	21.90	21.10	0.129	30.00	-8.90
	256-QAM	1754.3	-0.80	1 / 0	18.05	17.25	0.053	30.00	-12.75
3 MHz	QPSK	1711.5	-0.80	1 / 0	22.62	21.82	0.152	30.00	-8.18
		1732.5	-0.80	1 / 14	22.60	21.80	0.151	30.00	-8.20
		1753.5	-0.80	1 / 14	22.70	21.90	0.155	30.00	-8.10
	16-QAM	1753.5	-0.80	1 / 0	22.09	21.29	0.135	30.00	-8.71
	256-QAM	1732.5	-0.80	1 / 0	18.11	17.31	0.054	30.00	-12.69
5 MHz	QPSK	1712.5	-0.80	1 / 24	22.65	21.85	0.153	30.00	-8.15
		1732.5	-0.80	1 / 0	22.62	21.82	0.152	30.00	-8.18
		1752.5	-0.80	1 / 24	22.70	21.90	0.155	30.00	-8.10
	16-QAM	1732.5	-0.80	1 / 24	22.22	21.42	0.139	30.00	-8.58
	256-QAM	1732.5	-0.80	1 / 0	18.04	17.24	0.053	30.00	-12.76
10 MHz	QPSK	1715.0	-0.80	1 / 49	22.59	21.79	0.151	30.00	-8.21
		1732.5	-0.80	1 / 25	22.63	21.83	0.152	30.00	-8.17
		1750.0	-0.80	1 / 49	22.70	21.90	0.155	30.00	-8.10
	16-QAM	1750.0	-0.80	1 / 25	22.12	21.32	0.136	30.00	-8.68
	256-QAM	1715.0	-0.80	1 / 49	18.10	17.30	0.054	30.00	-12.70
15 MHz	QPSK	1717.5	-0.80	1 / 37	22.54	21.74	0.149	30.00	-8.26
		1732.5	-0.80	1 / 37	22.62	21.82	0.152	30.00	-8.18
		1747.5	-0.80	1 / 0	22.70	21.90	0.155	30.00	-8.10
	16-QAM	1747.5	-0.80	1 / 0	22.18	21.38	0.137	30.00	-8.62
	256-QAM	1747.5	-0.80	1 / 0	18.07	17.27	0.053	30.00	-12.73
20 MHz	QPSK	1720.0	-0.80	1 / 50	22.70	21.90	0.155	30.00	-8.10
		1732.5	-0.80	1 / 50	22.61	21.81	0.152	30.00	-8.19
		1745.0	-0.80	1 / 0	22.67	21.87	0.154	30.00	-8.13
	16-QAM	1732.5	-0.80	1 / 50	22.21	21.41	0.138	30.00	-8.59
	256-QAM	1720.0	-0.80	1 / 99	18.00	17.20	0.052	30.00	-12.80


Table 7-24. Antenna 1b EIRP Data (LTE Band 4)

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 247 of 301

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	-0.80	1 / 24	22.25	21.45	0.140	30.00	-8.55
		1745.0	-0.80	1 / 12	22.70	21.90	0.155	30.00	-8.10
		1777.5	-0.80	1 / 24	22.62	21.82	0.152	30.00	-8.18
	QPSK	1712.5	-0.80	1 / 0	22.29	21.49	0.141	30.00	-8.51
		1745.0	-0.80	1 / 24	22.50	21.70	0.148	30.00	-8.30
		1777.5	-0.80	1 / 12	22.43	21.63	0.145	30.00	-8.37
	16-QAM	1745.0	-0.80	1 / 12	21.48	20.68	0.117	30.00	-9.32
	64-QAM	1745.0	-0.80	1 / 12	20.26	19.46	0.088	30.00	-10.54
256-QAM	1777.5	-0.80	1 / 0	18.23	17.43	0.055	30.00	-12.57	
10 MHz	π/2 BPSK	1715.0	-0.80	1 / 49	21.92	21.12	0.129	30.00	-8.88
		1745.0	-0.80	1 / 49	22.15	21.35	0.136	30.00	-8.65
		1775.0	-0.80	1 / 25	22.70	21.90	0.155	30.00	-8.10
	QPSK	1715.0	-0.80	1 / 49	22.29	21.49	0.141	30.00	-8.51
		1745.0	-0.80	1 / 49	22.16	21.36	0.137	30.00	-8.64
		1775.0	-0.80	1 / 49	22.03	21.23	0.133	30.00	-8.77
	16-QAM	1775.0	-0.80	1 / 25	21.34	20.54	0.113	30.00	-9.46
	64-QAM	1745.0	-0.80	1 / 25	20.15	19.35	0.086	30.00	-10.65
256-QAM	1715.0	-0.80	1 / 25	17.66	16.86	0.049	30.00	-13.14	
15 MHz	π/2 BPSK	1717.5	-0.80	1 / 0	22.41	21.61	0.145	30.00	-8.39
		1745.0	-0.80	1 / 37	22.55	21.75	0.150	30.00	-8.25
		1772.5	-0.80	1 / 0	22.31	21.51	0.141	30.00	-8.49
	QPSK	1717.5	-0.80	1 / 0	22.62	21.82	0.152	30.00	-8.18
		1745.0	-0.80	1 / 74	22.70	21.90	0.155	30.00	-8.10
		1772.5	-0.80	1 / 74	22.52	21.72	0.149	30.00	-8.28
	16-QAM	1745.0	-0.80	1 / 37	21.58	20.78	0.120	30.00	-9.22
	64-QAM	1717.5	-0.80	1 / 37	20.45	19.65	0.092	30.00	-10.35
256-QAM	1772.5	-0.80	1 / 0	18.37	17.57	0.057	30.00	-12.43	
20 MHz	π/2 BPSK	1720.0	-0.80	1 / 99	22.70	21.90	0.155	30.00	-8.10
		1745.0	-0.80	1 / 99	22.41	21.61	0.145	30.00	-8.39
		1770.0	-0.80	1 / 0	22.44	21.64	0.146	30.00	-8.36
	QPSK	1720.0	-0.80	1 / 99	22.39	21.59	0.144	30.00	-8.41
		1745.0	-0.80	1 / 99	22.27	21.47	0.140	30.00	-8.53
		1770.0	-0.80	1 / 50	22.51	21.71	0.148	30.00	-8.29
	16-QAM	1720.0	-0.80	1 / 99	21.48	20.68	0.117	30.00	-9.32
	64-QAM	1720.0	-0.80	1 / 99	20.27	19.47	0.089	30.00	-10.53
256-QAM	1720.0	-0.80	1 / 99	18.12	17.32	0.054	30.00	-12.68	
30 MHz	π/2 BPSK	1725.0	-0.80	1 / 0	20.58	19.78	0.095	30.00	-10.22
		1745.0	-0.80	1 / 99	20.70	19.90	0.098	30.00	-10.10
		1765.0	-0.80	1 / 99	20.41	19.61	0.091	30.00	-10.39
	QPSK	1725.0	-0.80	1 / 99	20.62	19.82	0.096	30.00	-10.18
		1745.0	-0.80	1 / 99	20.20	19.40	0.087	30.00	-10.60
		1765.0	-0.80	1 / 50	20.43	19.63	0.092	30.00	-10.37
	16-QAM	1745.0	-0.80	1 / 99	19.74	18.94	0.078	30.00	-11.06
	64-QAM	1745.0	-0.80	1 / 0	18.49	17.69	0.059	30.00	-12.31
256-QAM	1725.0	-0.80	1 / 99	16.05	15.25	0.034	30.00	-14.75	
40 MHz	π/2 BPSK	1730.0	-0.80	1 / 0	20.42	19.62	0.092	30.00	-10.38
		1745.0	-0.80	1 / 99	20.70	19.90	0.098	30.00	-10.10
		1760.0	-0.80	1 / 99	20.47	19.67	0.093	30.00	-10.33
	QPSK	1730.0	-0.80	1 / 99	20.11	19.31	0.085	30.00	-10.69
		1745.0	-0.80	1 / 50	20.25	19.45	0.088	30.00	-10.55
		1760.0	-0.80	1 / 99	20.36	19.56	0.090	30.00	-10.44
	16-QAM	1730.0	-0.80	1 / 0	19.43	18.63	0.073	30.00	-11.37
	64-QAM	1760.0	-0.80	1 / 99	18.30	17.50	0.056	30.00	-12.50
256-QAM	1730.0	-0.80	1 / 0	16.11	15.31	0.034	30.00	-14.69	

Table 7-25. Antenna 1b EIRP Data (NR Band n66)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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Uplink CA LTE Band 66B/C


Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency							UL # RB	UL RB Offset
Max	LTE B66	20MHz + 20MHz	QPSK	132072	1720.0	1	99	QPSK	132270	1739.8	1	0	22.94	-0.80	22.14	0.164	40.61	-18.47
				132322	1745.0	1	99		132520	1764.8	1	0	22.88	-0.80	22.08	0.161	40.61	-18.53
			QPSK	132572	1770.0	1	0	132374	1750.2	1	99	22.75	-0.80	21.95	0.157	40.61	-18.66	
				16-QAM	132072	1720	100	0	QPSK	132270	1739.8	100	0	20.75	-0.80	19.95	0.099	40.61
			16-QAM	132072	1720	100	0	16-QAM	132270	1739.8	100	0	19.77	-0.80	18.97	0.079	40.61	-21.64
				64-QAM	132072	1720	100	0	64-QAM	132270	1739.8	100	0	18.77	-0.80	17.97	0.063	40.61
			256-QAM	132072	1720	100	0	256-QAM	132270	1739.8	100	0	17.82	-0.80	17.02	0.050	40.61	-23.59

Table 7-26. Antenna 1b EIRP Data (ULCA LTE Band 66)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	22.51	-0.80	21.71	0.148	30.00	-8.29
1732.60	WCDMA1700	22.54	-0.80	21.74	0.149	30.00	-8.26
1752.60	WCDMA1700	22.65	-0.80	21.85	0.153	30.00	-8.15

Table 7-27. Antenna 1b EIRP Data (WCDMA AWS)


FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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7.6.4 Antenna 3b – EIRP

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	0.60	1 / 0	24.65	25.25	0.335	30.00	-4.75
		1745.0	0.60	1 / 0	24.62	25.22	0.333	30.00	-4.78
		1779.3	0.60	1 / 0	24.70	25.30	0.339	30.00	-4.70
	16-QAM	1745.0	0.60	1 / 0	24.03	24.63	0.290	30.00	-5.37
	64-QAM	1745.0	0.60	1 / 0	23.41	24.01	0.252	30.00	-5.99
256-QAM	1710.7	0.60	1 / 0	20.14	20.74	0.119	30.00	-9.26	
3 MHz	QPSK	1711.5	0.60	1 / 0	24.70	25.30	0.339	30.00	-4.70
		1745.0	0.60	1 / 7	24.65	25.25	0.335	30.00	-4.75
		1778.5	0.60	1 / 7	24.69	25.29	0.338	30.00	-4.71
	16-QAM	1778.5	0.60	1 / 7	24.08	24.68	0.294	30.00	-5.32
	64-QAM	1745.0	0.60	1 / 0	23.44	24.04	0.254	30.00	-5.96
256-QAM	1711.5	0.60	1 / 7	20.25	20.85	0.122	30.00	-9.15	
5 MHz	QPSK	1712.5	0.60	1 / 0	24.64	25.24	0.334	30.00	-4.76
		1745.0	0.60	1 / 24	24.68	25.28	0.337	30.00	-4.72
		1777.5	0.60	1 / 0	24.70	25.30	0.339	30.00	-4.70
	16-QAM	1712.5	0.60	1 / 24	24.19	24.79	0.301	30.00	-5.21
	64-QAM	1745.0	0.60	1 / 24	23.38	23.98	0.250	30.00	-6.02
256-QAM	1777.5	0.60	1 / 0	20.34	20.94	0.124	30.00	-9.06	
10 MHz	QPSK	1715.0	0.60	1 / 49	24.70	25.30	0.339	30.00	-4.70
		1745.0	0.60	1 / 49	24.64	25.24	0.334	30.00	-4.76
		1775.0	0.60	1 / 0	24.67	25.27	0.337	30.00	-4.73
	16-QAM	1745.0	0.60	1 / 0	24.06	24.66	0.292	30.00	-5.34
	64-QAM	1745.0	0.60	1 / 49	23.44	24.04	0.254	30.00	-5.96
256-QAM	1715.0	0.60	1 / 0	20.28	20.88	0.122	30.00	-9.12	
15 MHz	QPSK	1717.5	0.60	1 / 0	24.70	25.30	0.339	30.00	-4.70
		1745.0	0.60	1 / 0	24.67	25.27	0.337	30.00	-4.73
		1772.5	0.60	1 / 0	24.69	25.29	0.338	30.00	-4.71
	16-QAM	1717.5	0.60	1 / 0	24.21	24.81	0.303	30.00	-5.19
	64-QAM	1745.0	0.60	1 / 0	23.47	24.07	0.255	30.00	-5.93
256-QAM	1745.0	0.60	1 / 0	20.08	20.68	0.117	30.00	-9.32	
20 MHz	QPSK	1720.0	0.60	1 / 99	24.70	25.30	0.339	30.00	-4.70
		1745.0	0.60	1 / 0	24.63	25.23	0.333	30.00	-4.77
		1770.0	0.60	1 / 0	24.66	25.26	0.336	30.00	-4.74
	16-QAM	1745.0	0.60	1 / 99	24.09	24.69	0.294	30.00	-5.31
	64-QAM	1770.0	0.60	1 / 0	23.41	24.01	0.252	30.00	-5.99
256-QAM	1745.0	0.60	1 / 99	20.20	20.80	0.120	30.00	-9.20	


Table 7-28. Antenna 3b EIRP Data (LTE Band 66)

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 250 of 301

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	0.60	1 / 0	24.36	24.96	0.313	30.00	-5.04
		1732.5	0.60	1 / 0	24.60	25.20	0.331	30.00	-4.80
		1754.3	0.60	1 / 0	24.70	25.30	0.339	30.00	-4.70
	16-QAM	1732.5	0.60	1 / 0	24.09	24.69	0.294	30.00	-5.31
	64-QAM	1732.5	0.60	1 / 0	23.47	24.07	0.255	30.00	-5.93
256-QAM	1710.7	0.60	1 / 5	20.19	20.79	0.120	30.00	-9.21	
3 MHz	QPSK	1711.5	0.60	1 / 14	24.68	25.28	0.337	30.00	-4.72
		1732.5	0.60	1 / 14	24.67	25.27	0.337	30.00	-4.73
		1753.5	0.60	1 / 14	24.70	25.30	0.339	30.00	-4.70
	16-QAM	1732.5	0.60	1 / 0	24.03	24.63	0.290	30.00	-5.37
	64-QAM	1732.5	0.60	1 / 14	23.41	24.01	0.252	30.00	-5.99
256-QAM	1711.5	0.60	1 / 14	20.27	20.87	0.122	30.00	-9.13	
5 MHz	QPSK	1712.5	0.60	1 / 24	24.66	25.26	0.336	30.00	-4.74
		1732.5	0.60	1 / 12	24.64	25.24	0.334	30.00	-4.76
		1752.5	0.60	1 / 24	24.70	25.30	0.339	30.00	-4.70
	16-QAM	1712.5	0.60	1 / 24	24.16	24.76	0.299	30.00	-5.24
	64-QAM	1732.5	0.60	1 / 12	23.33	23.93	0.247	30.00	-6.07
256-QAM	1752.5	0.60	1 / 24	20.36	20.96	0.125	30.00	-9.04	
10 MHz	QPSK	1715.0	0.60	1 / 49	24.70	25.30	0.339	30.00	-4.70
		1732.5	0.60	1 / 25	24.65	25.25	0.335	30.00	-4.75
		1750.0	0.60	1 / 25	24.66	25.26	0.336	30.00	-4.74
	16-QAM	1732.5	0.60	1 / 0	24.05	24.65	0.292	30.00	-5.35
	64-QAM	1732.5	0.60	1 / 49	23.45	24.05	0.254	30.00	-5.95
256-QAM	1715.0	0.60	1 / 25	20.25	20.85	0.122	30.00	-9.15	
15 MHz	QPSK	1717.5	0.60	1 / 0	24.70	25.30	0.339	30.00	-4.70
		1732.5	0.60	1 / 37	24.65	25.25	0.335	30.00	-4.75
		1747.5	0.60	1 / 37	24.65	25.25	0.335	30.00	-4.75
	16-QAM	1717.5	0.60	1 / 74	24.28	24.88	0.308	30.00	-5.12
	64-QAM	1732.5	0.60	1 / 37	23.47	24.07	0.255	30.00	-5.93
256-QAM	1717.5	0.60	1 / 74	20.11	20.71	0.118	30.00	-9.29	
20 MHz	QPSK	1720.0	0.60	1 / 99	24.68	25.28	0.337	30.00	-4.72
		1732.5	0.60	1 / 50	24.64	25.24	0.334	30.00	-4.76
		1745.0	0.60	1 / 50	24.70	25.30	0.339	30.00	-4.70
	16-QAM	1720.0	0.60	1 / 99	24.10	24.70	0.295	30.00	-5.30
	64-QAM	1732.5	0.60	1 / 50	23.36	23.96	0.249	30.00	-6.04
256-QAM	1720.0	0.60	1 / 99	20.24	20.84	0.121	30.00	-9.16	


Table 7-29. Antenna 3b EIRP Data (LTE Band 4)

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 251 of 301

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	0.60	1 / 0	24.57	25.17	0.329	30.00	-4.83
		1745.0	0.60	1 / 24	24.70	25.30	0.339	30.00	-4.70
		1777.5	0.60	1 / 12	24.44	25.04	0.319	30.00	-4.96
	QPSK	1712.5	0.60	1 / 24	24.37	24.97	0.314	30.00	-5.03
		1745.0	0.60	1 / 12	24.51	25.11	0.324	30.00	-4.89
		1777.5	0.60	1 / 24	24.52	25.12	0.325	30.00	-4.88
	16-QAM	1777.5	0.60	1 / 24	23.51	24.11	0.258	30.00	-5.89
	64-QAM	1712.5	0.60	1 / 12	22.97	23.57	0.228	30.00	-6.43
256-QAM	1712.5	0.60	1 / 12	20.98	21.58	0.144	30.00	-8.42	
10 MHz	π/2 BPSK	1715.0	0.60	1 / 25	24.34	24.94	0.312	30.00	-5.06
		1745.0	0.60	1 / 0	23.96	24.56	0.285	30.00	-5.44
		1775.0	0.60	1 / 25	24.53	25.13	0.326	30.00	-4.87
	QPSK	1715.0	0.60	1 / 49	24.48	25.08	0.322	30.00	-4.92
		1745.0	0.60	1 / 49	24.70	25.30	0.339	30.00	-4.70
		1775.0	0.60	1 / 0	24.41	25.01	0.317	30.00	-4.99
	16-QAM	1745.0	0.60	1 / 25	23.65	24.25	0.266	30.00	-5.75
	64-QAM	1715.0	0.60	1 / 0	22.97	23.57	0.227	30.00	-6.43
256-QAM	1715.0	0.60	1 / 0	20.83	21.43	0.139	30.00	-8.57	
15 MHz	π/2 BPSK	1717.5	0.60	1 / 0	24.53	25.13	0.326	30.00	-4.87
		1745.0	0.60	1 / 0	24.70	25.30	0.339	30.00	-4.70
		1772.5	0.60	1 / 0	24.28	24.88	0.308	30.00	-5.12
	QPSK	1717.5	0.60	1 / 37	24.43	25.03	0.318	30.00	-4.97
		1745.0	0.60	1 / 74	24.62	25.22	0.333	30.00	-4.78
		1772.5	0.60	1 / 37	24.41	25.01	0.317	30.00	-4.99
	16-QAM	1717.5	0.60	1 / 74	23.60	24.20	0.263	30.00	-5.80
	64-QAM	1717.5	0.60	1 / 0	23.00	23.60	0.229	30.00	-6.40
256-QAM	1717.5	0.60	1 / 0	20.90	21.50	0.141	30.00	-8.50	
20 MHz	π/2 BPSK	1720.0	0.60	1 / 0	24.42	25.02	0.318	30.00	-4.98
		1745.0	0.60	1 / 0	24.62	25.22	0.333	30.00	-4.78
		1770.0	0.60	1 / 0	24.39	24.99	0.316	30.00	-5.01
	QPSK	1720.0	0.60	1 / 99	24.70	25.30	0.339	30.00	-4.70
		1745.0	0.60	1 / 50	24.61	25.21	0.332	30.00	-4.79
		1770.0	0.60	1 / 50	24.56	25.16	0.328	30.00	-4.84
	16-QAM	1745.0	0.60	1 / 99	23.58	24.18	0.262	30.00	-5.82
	64-QAM	1720.0	0.60	1 / 0	22.92	23.52	0.225	30.00	-6.48
256-QAM	1770.0	0.60	1 / 0	20.85	21.45	0.140	30.00	-8.55	
30 MHz	π/2 BPSK	1725.0	0.60	1 / 50	22.17	22.77	0.189	30.00	-7.23
		1745.0	0.60	1 / 99	22.42	23.02	0.200	30.00	-6.98
		1765.0	0.60	1 / 50	22.70	23.30	0.214	30.00	-6.70
	QPSK	1725.0	0.60	1 / 99	22.37	22.97	0.198	30.00	-7.03
		1745.0	0.60	1 / 99	22.37	22.97	0.198	30.00	-7.03
		1765.0	0.60	1 / 99	22.41	23.01	0.200	30.00	-6.99
	16-QAM	1765.0	0.60	1 / 0	21.56	22.16	0.165	30.00	-7.84
	64-QAM	1725.0	0.60	1 / 0	20.85	21.45	0.140	30.00	-8.55
256-QAM	1725.0	0.60	1 / 0	18.82	19.42	0.087	30.00	-10.58	
40 MHz	π/2 BPSK	1730.0	0.60	1 / 99	22.43	23.03	0.201	30.00	-6.97
		1745.0	0.60	1 / 99	22.70	23.30	0.214	30.00	-6.70
		1760.0	0.60	1 / 50	22.48	23.08	0.203	30.00	-6.92
	QPSK	1730.0	0.60	1 / 99	22.44	23.04	0.201	30.00	-6.96
		1745.0	0.60	1 / 0	22.40	23.00	0.199	30.00	-7.00
		1760.0	0.60	1 / 0	22.54	23.14	0.206	30.00	-6.86
	16-QAM	1760.0	0.60	1 / 0	21.72	22.32	0.171	30.00	-7.68
	64-QAM	1730.0	0.60	1 / 99	20.89	21.49	0.141	30.00	-8.51
256-QAM	1730.0	0.60	1 / 99	18.77	19.37	0.086	30.00	-10.63	

Table 7-30. Antenna 3b EIRP Data (NR Band n66)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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Uplink CA LTE Band 66B/C


Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B66	20MHz + 20MHz	QPSK	132072	1720.0	1	99	QPSK	132270	1739.8	1	0	24.97	0.60	25.57	0.361	40.61	-15.04
				132322	1745.0	1	99		132520	1764.8	1	0	24.91	0.60	25.51	0.356	40.61	-15.10
			QPSK	132572	1770.0	1	0	QPSK	132374	1750.2	1	99	24.94	0.60	25.54	0.358	40.61	-15.07
				132072	1720	100	0		132270	1739.8	100	0	23.01	0.60	23.61	0.230	40.61	-17.00
			16-QAM	132072	1720	100	0	16-QAM	132270	1739.8	100	0	22.05	0.60	22.65	0.184	40.61	-17.96
				132072	1720	100	0		64-QAM	132270	1739.8	100	0	21.06	0.60	21.66	0.147	40.61
			256-QAM	132072	1720	100	0	256-QAM	132270	1739.8	100	0	20.02	0.60	20.62	0.115	40.61	-19.99

Table 7-31. Antenna 3b EIRP Data (ULCA LTE Band 66)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.49	0.60	25.09	0.323	30.00	-4.91
1732.60	WCDMA1700	24.60	0.60	25.20	0.331	30.00	-4.80
1752.60	WCDMA1700	24.58	0.60	25.18	0.330	30.00	-4.82

Table 7-32. Antenna 3b EIRP Data (WCDMA AWS)

FCC ID: BCGA2568	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device		Page 253 of 301

7.7 Radiated Spurious Emissions

§2.1053, §27.53(f)

Test Overview

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


Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

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

Test Settings

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

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Test Setup

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

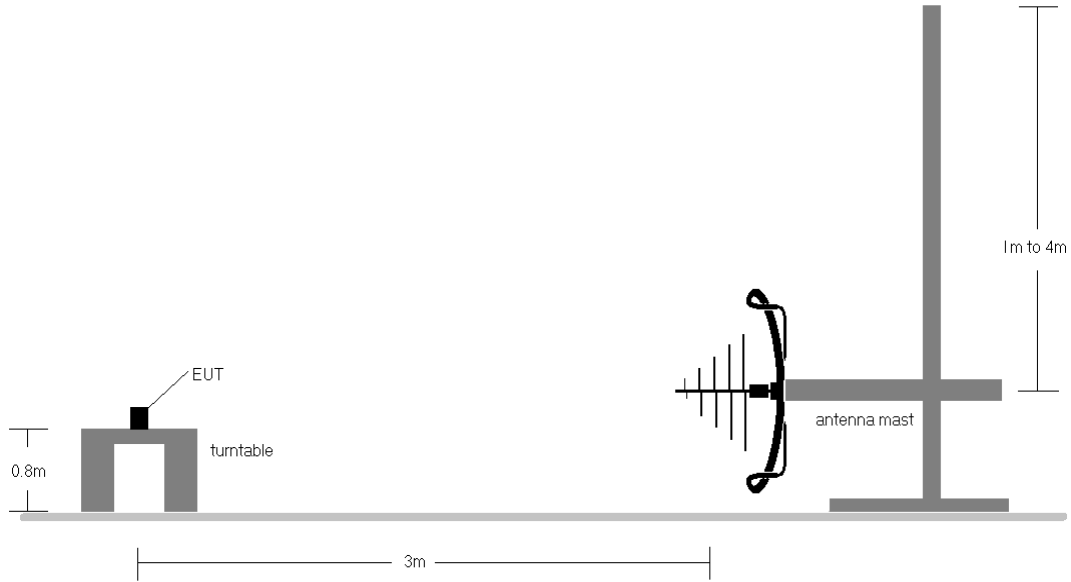


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

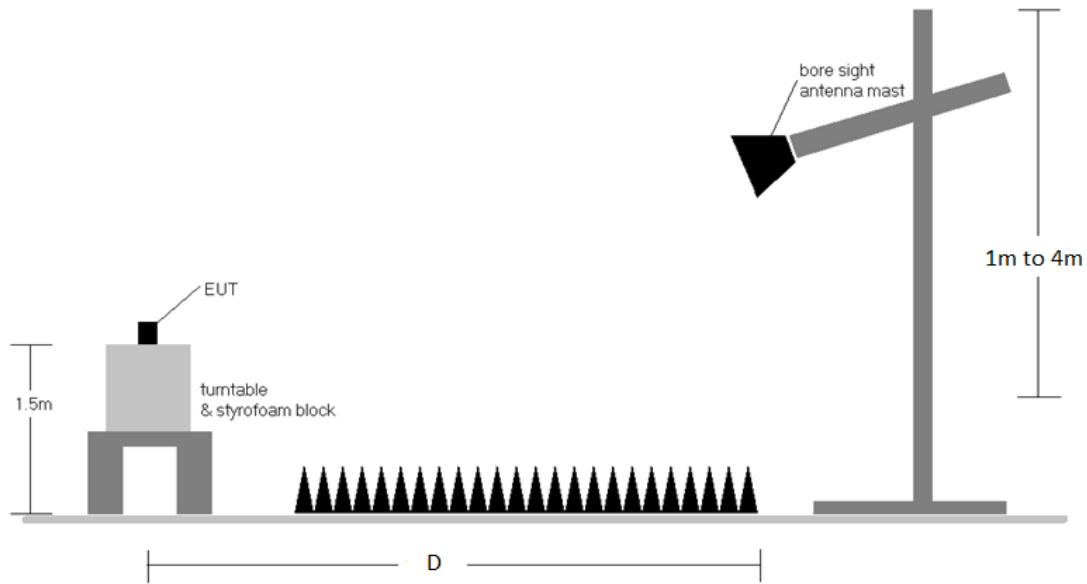




Figure 7-7. Test Instrument & Measurement Setup > 1GHz

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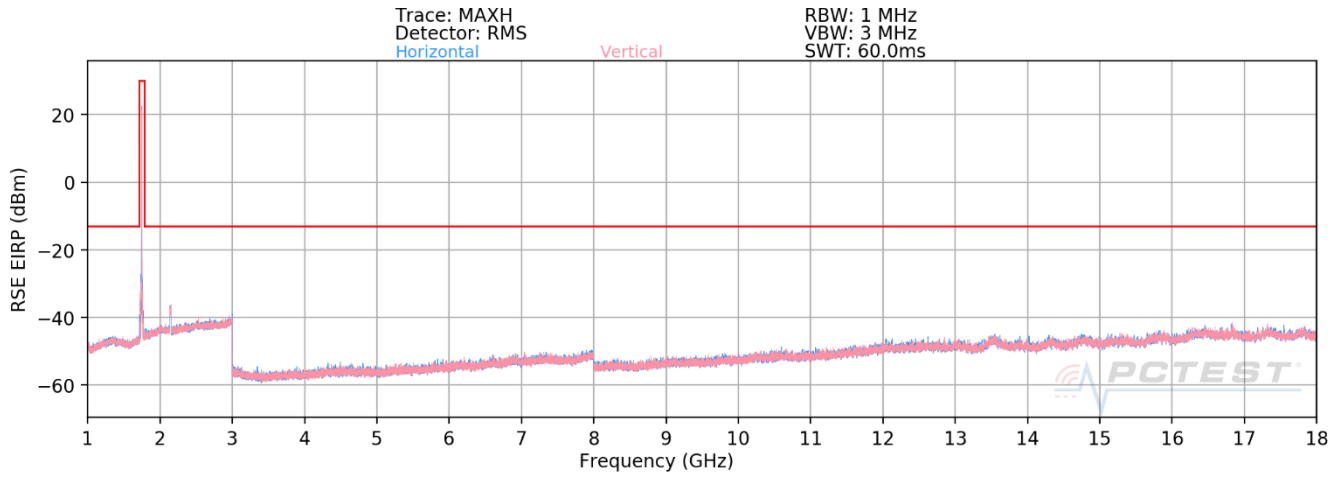
Test Notes

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


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7.7.1 Antenna 4 – Radiated Spurious Emission Measurement

LTE Band 66/4



Plot 7-407. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 66/4)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 257 of 301

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	-	-	-80.92	6.71	32.79	-62.47	-13.00	-49.47
5160.0	V	-	-	-82.09	9.39	34.30	-60.95	-13.00	-47.95
6880.0	V	-	-	-81.38	10.86	36.48	-58.78	-13.00	-45.78

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	-	-	-77.14	2.66	32.52	-62.73	-13.00	-49.73
5235.0	V	-	-	-78.37	5.45	34.08	-61.18	-13.00	-48.18
6980.0	V	-	-	-79.59	8.19	35.60	-59.65	-13.00	-46.65

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

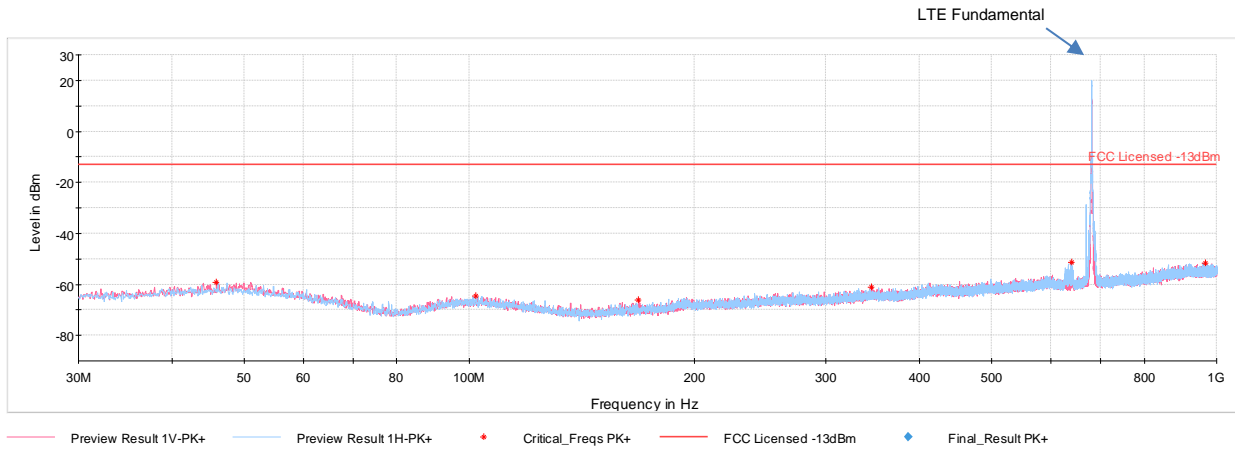
Bandwidth (MHz):	20								
Frequency (MHz):	1770.0								
RB / Offset:	1 / 50								

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	V	-	-	-77.38	3.01	32.63	-62.63	-13.00	-49.63
5310.00	V	-	-	-78.24	5.46	34.22	-61.04	-13.00	-48.04
7080.00	V	-	-	-79.44	8.40	35.96	-59.30	-13.00	-46.30

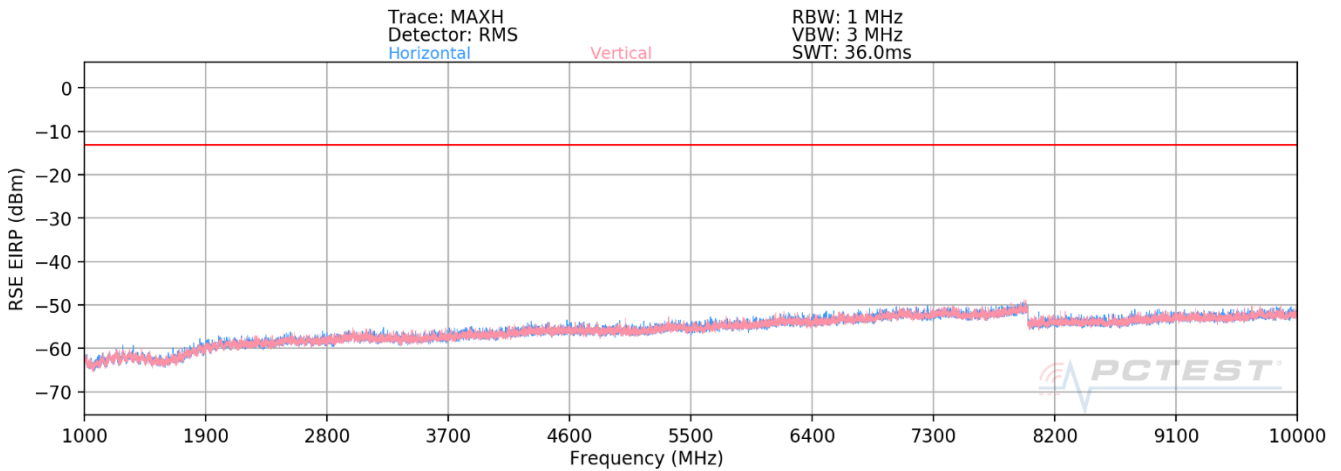
Table 7-35. Antenna 4 Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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LTE Band 71



Plot 7-408. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 71)



Plot 7-409. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 71)

FCC ID: BCGA2568	PCTEST PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 259 of 301

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	338	130	-72.01	-3.85	31.14	-64.12	-13.00	-51.12
2019.0	H	-	-	-75.72	-0.36	30.92	-64.34	-13.00	-51.34
2692.0	H	-	-	-76.36	0.78	31.42	-63.83	-13.00	-50.83
3365.0	H	-	-	-77.11	2.11	32.00	-63.26	-13.00	-50.26


Table 7-36. 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	165	120	-73.01	-3.95	30.04	-65.21	-13.00	-52.21
2041.5	H	-	-	-75.88	-0.30	30.82	-64.44	-13.00	-51.44
2722.0	H	-	-	-76.28	0.73	31.45	-63.81	-13.00	-50.81
3402.5	H	-	-	-77.16	1.93	31.77	-63.49	-13.00	-50.49

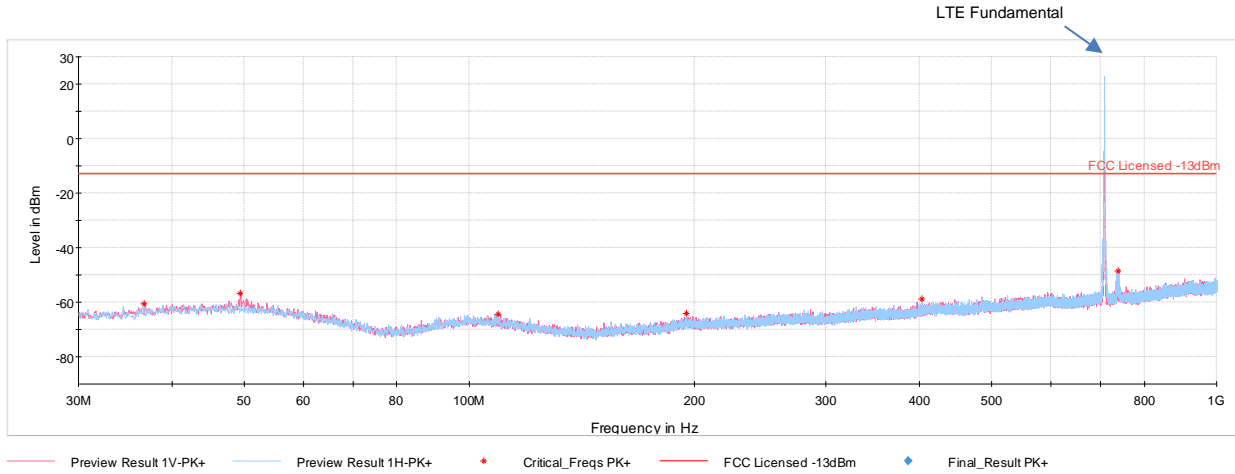
Table 7-37. Antenna 4 Radiated Spurious Data (LTE Band 71 – Mid Channel)

Bandwidth (MHz):	20								
Frequency (MHz):	688.0								
RB / Offset:	1 / 50								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	334	124	-71.89	-4.11	31.00	-64.26	-13.00	-51.26
2064.0	H	-	-	-75.99	-0.22	30.79	-64.47	-13.00	-51.47
2752.0	H	-	-	-76.39	0.54	31.15	-64.11	-13.00	-51.11
3440.0	H	-	-	-76.96	2.13	32.17	-63.09	-13.00	-50.09

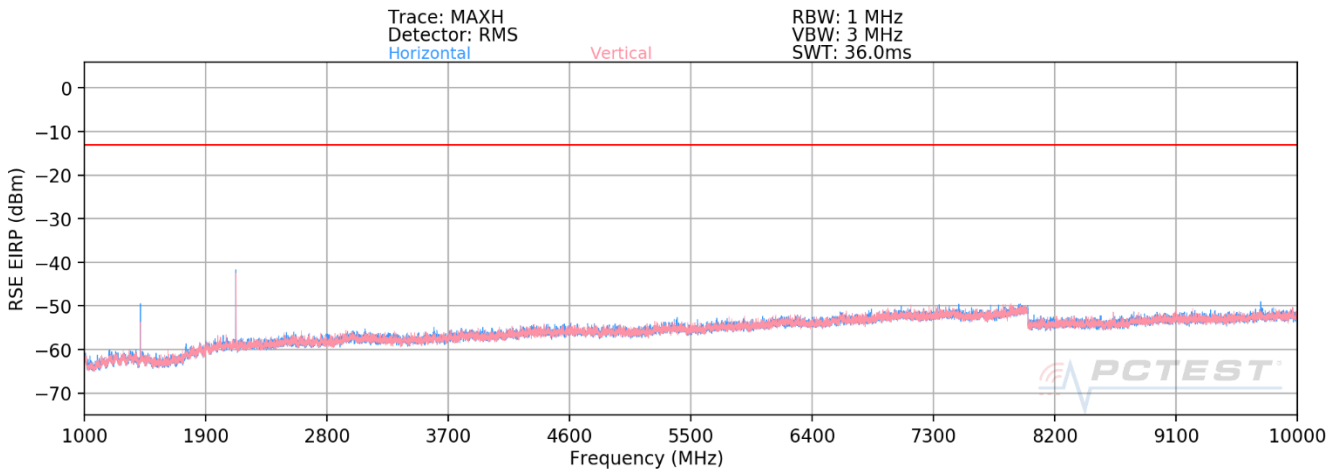
Table 7-38. Antenna 4 Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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LTE Band 12/17



Plot 7-410. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 12/17)



Plot 7-411. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 12/17)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 261 of 301

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	120	165	-64.03	-4.11	38.86	-56.39	-13.00	-43.39
2112.0	H	235	170	-60.42	-0.13	46.45	-48.81	-13.00	-35.81
2816.0	H	-	-	-76.24	0.91	31.67	-63.59	-13.00	-50.59
3520.0	H	-	-	-77.05	2.17	32.12	-63.14	-13.00	-50.14
4224.0	H	-	-	-77.63	4.06	33.43	-61.83	-13.00	-48.83


Table 7-39. 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	112	165	-61.04	-4.08	41.88	-53.38	-13.00	-40.38
2122.5	H	338	169	-55.89	-0.15	50.96	-44.29	-13.00	-31.29
2830.0	H	-	-	-76.32	0.96	31.64	-63.61	-13.00	-50.61
3537.5	H	-	-	-76.84	2.18	32.34	-62.91	-13.00	-49.91
4245.0	H	-	-	-77.39	4.21	33.82	-61.44	-13.00	-48.44

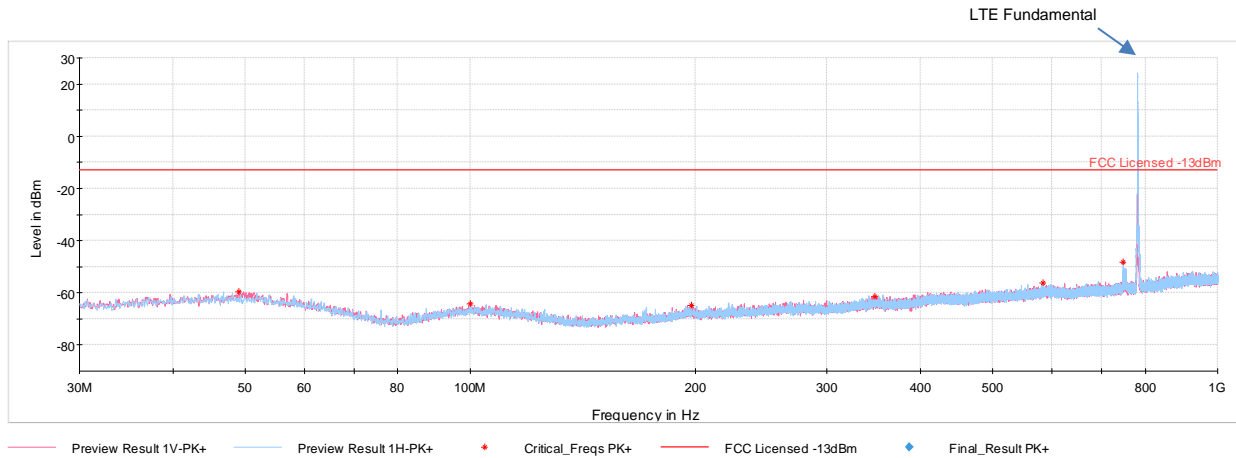
Table 7-40. Antenna 4 Radiated Spurious Data (LTE Band 12/17 – Mid Channel)

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	155	171	-60.95	-4.05	42.00	-53.26	-13.00	-40.26
2133.0	H	192	160	-63.13	-0.12	43.75	-51.51	-13.00	-38.51
2844.0	H	-	-	-76.37	0.99	31.62	-63.63	-13.00	-50.63
3555.0	H	-	-	-77.04	2.26	32.22	-63.03	-13.00	-50.03
4266.0	H	-	-	-77.73	4.04	33.31	-61.95	-13.00	-48.95

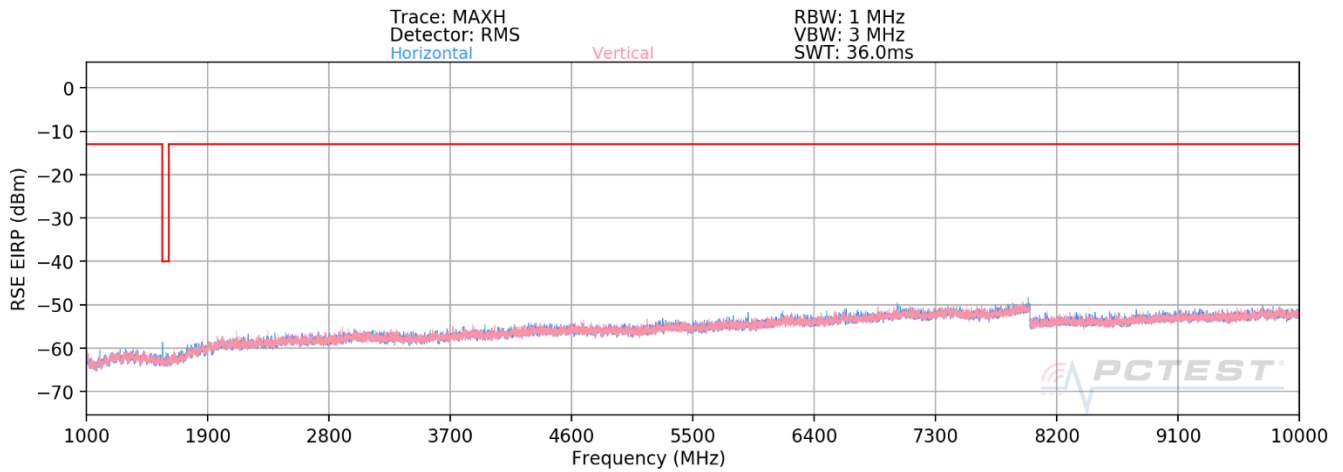
Table 7-41. Antenna 4 Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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LTE Band 13



Plot 7-412. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 13)



Plot 7-413. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 13)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 263 of 301

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	167	343	-71.71	-4.37	30.92	-64.34	-40.00	-24.34
2338.5	V	354	314	-73.92	-0.18	32.90	-62.36	-13.00	-49.36
3118.0	V	-	-	-76.76	1.77	32.01	-63.25	-13.00	-50.25
3897.5	V	-	-	-77.34	3.20	32.86	-62.40	-13.00	-49.40
4677.0	V	-	-	-77.87	4.75	33.88	-61.37	-13.00	-48.37


Table 7-42. 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	207	343	-69.32	-4.40	33.28	-61.98	-40.00	-21.98
2346.0	V	355	324	-70.78	-0.18	36.04	-59.22	-13.00	-46.22
3128.0	V	-	-	-76.49	1.72	32.23	-63.03	-13.00	-50.03
3910.0	V	-	-	-77.29	3.16	32.87	-62.39	-13.00	-49.39
4692.0	V	-	-	-77.67	4.35	33.68	-61.58	-13.00	-48.58

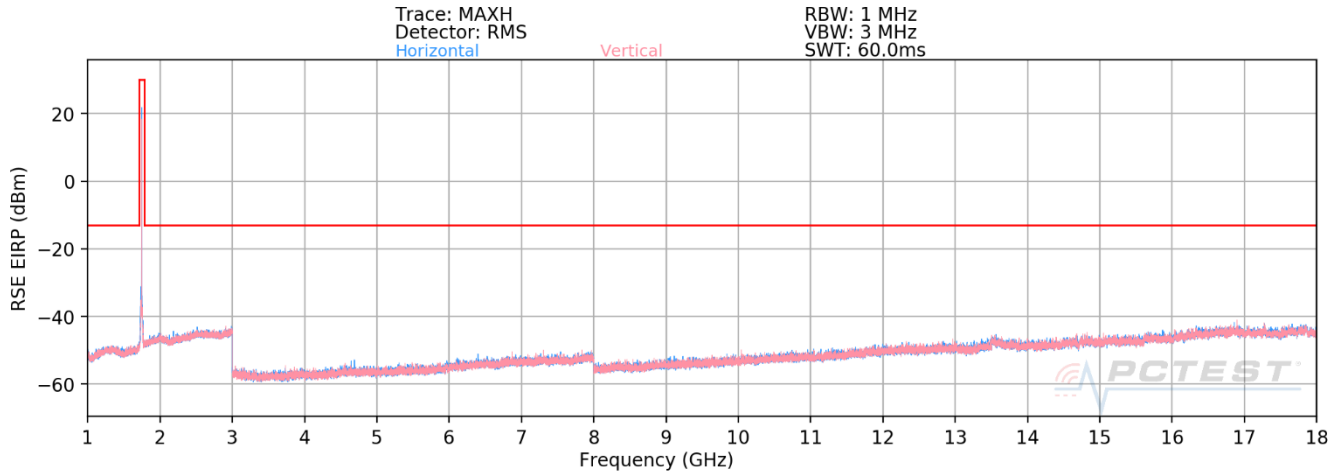
Table 7-43. Antenna 4 Radiated Spurious Data (LTE Band 13 – Mid Channel)

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	159	0	-70.54	-4.45	32.01	-63.25	-40.00	-23.25
2353.5	V	158	317	-73.37	-0.18	33.45	-61.81	-13.00	-48.81
3138.0	V	-	-	-76.58	1.66	32.08	-63.17	-13.00	-50.17
3922.5	V	-	-	-77.37	3.36	32.99	-62.27	-13.00	-49.27
4707.0	V	-	-	-77.68	4.30	33.62	-61.64	-13.00	-48.64


Table 7-44. Antenna 4 Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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NR Band n66



Plot 7-414. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n66)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 265 of 301

Bandwidth (MHz):	40								
Frequency (MHz):	1730.0								
RB / Offset:	1 / 108								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	V	-	-	-79.48	5.75	33.27	-61.99	-13.00	-48.99
5190.0	V	-	-	-80.62	7.73	34.11	-61.14	-13.00	-48.14
6920.0	V	-	-	-81.05	10.64	36.59	-58.67	-13.00	-45.67
8650.0	V	-	-	-83.33	12.83	36.50	-58.76	-13.00	-45.76


Table 7-45. 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	-	-	-79.70	5.09	32.39	-62.87	-13.00	-49.87
5235.0	V	-	-	-80.75	7.77	34.02	-61.23	-13.00	-48.23
6980.0	V	-	-	-81.01	10.74	36.73	-58.53	-13.00	-45.53
8725.0	V	-	-	-83.07	13.05	36.98	-58.27	-13.00	-45.27

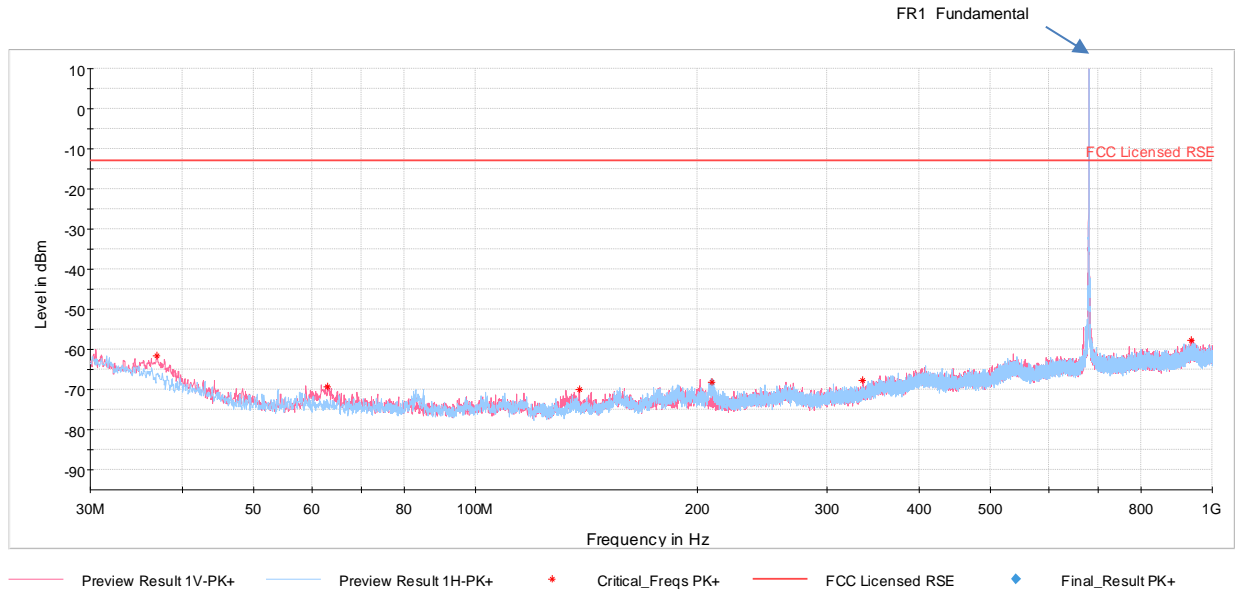
Table 7-46. Antenna 4 Radiated Spurious Data (NR Band n66 – Mid Channel)

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	-	-	-79.79	6.20	33.41	-61.85	-13.00	-48.85
5280.0	V	-	-	-80.63	8.16	34.53	-60.73	-13.00	-47.73
7040.0	V	-	-	-81.42	10.56	36.14	-59.12	-13.00	-46.12
8800.0	V	-	-	-82.93	13.05	37.12	-58.14	-13.00	-45.14

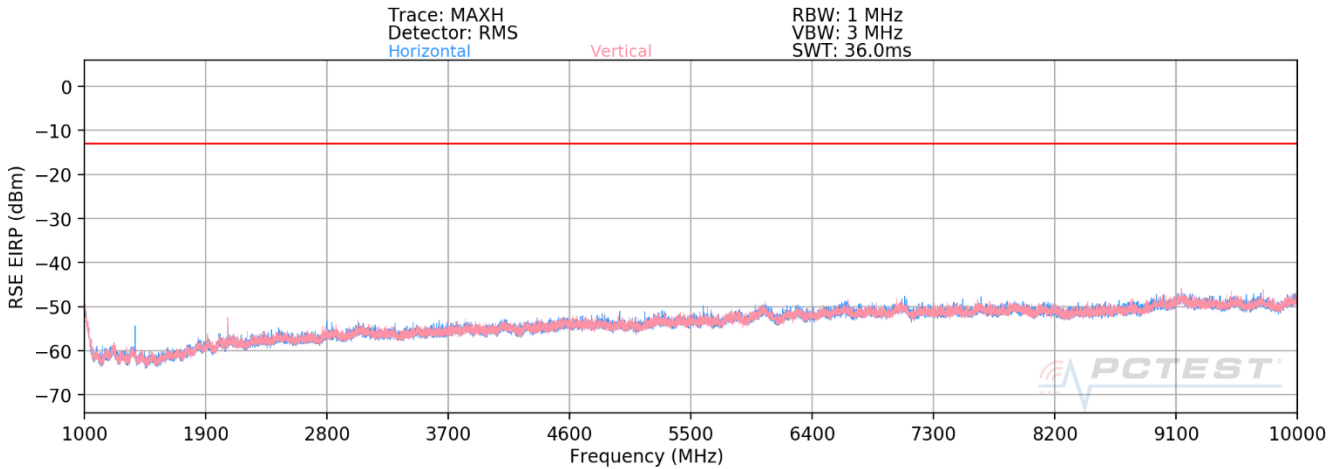
Table 7-47. Antenna 4 Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 266 of 301


NR Band n71



Plot 7-415. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n71)



Plot 7-416. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n71)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 267 of 301

Bandwidth (MHz):	20								
Frequency (MHz):	673.0								
RB / Offset:	1 / 51								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	114	345	-72.48	-2.81	31.71	-63.55	-13.00	-50.55
2019.0	V	232	176	-76.25	0.63	31.38	-63.88	-13.00	-50.88
2692.0	V	-	-	-78.01	2.09	31.08	-64.18	-13.00	-51.18
3365.0	V	-	-	-78.36	2.98	31.62	-63.64	-13.00	-50.64
4038.0	V	-	-	-78.96	4.41	32.45	-62.81	-13.00	-49.81


Table 7-48. Antenna 4 Radiated Spurious Data (NR Band n71 – Low Channel)

Bandwidth (MHz):	20								
Frequency (MHz):	680.5								
RB / Offset:	1 / 51								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	220	308	-71.25	-3.03	32.72	-62.54	-13.00	-49.54
2041.5	V	338	19	-73.17	0.56	34.39	-60.87	-13.00	-47.87
2722.0	V	-	-	-78.17	2.17	31.00	-64.26	-13.00	-51.26
3402.5	V	-	-	-78.31	3.41	32.10	-63.16	-13.00	-50.16
4083.0	V	-	-	-78.86	4.02	32.16	-63.09	-13.00	-50.09

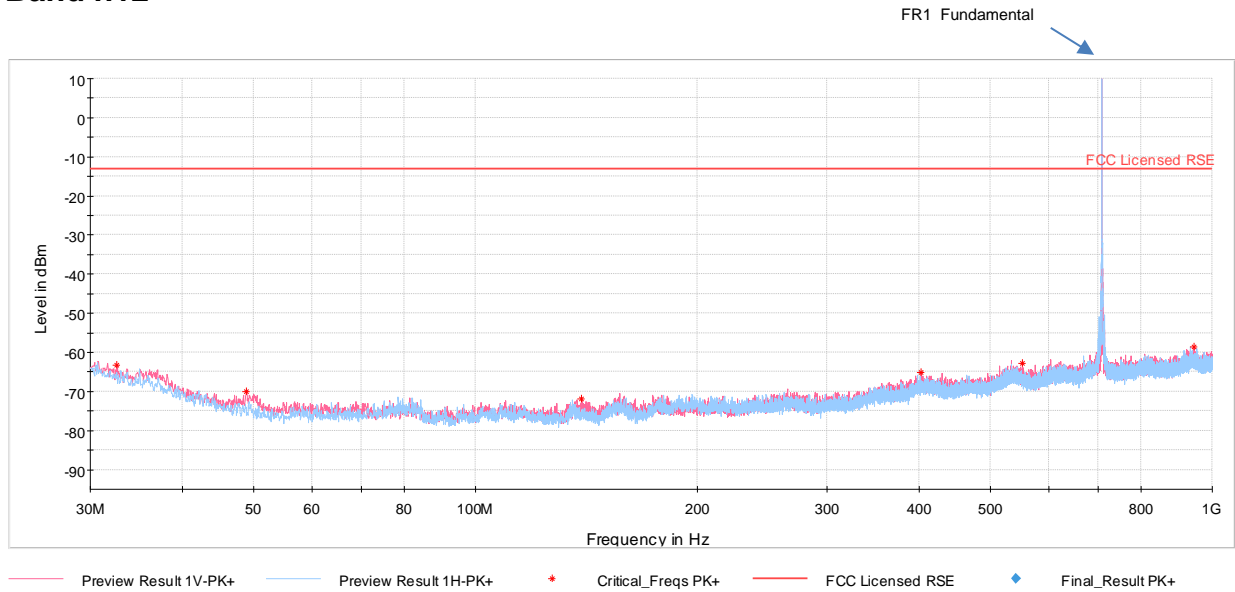
Table 7-49. Antenna 4 Radiated Spurious Data (NR Band n71 – Mid Channel)

Bandwidth (MHz):	20								
Frequency (MHz):	688.0								
RB / Offset:	1 / 51								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	118	302	-71.88	-3.23	31.89	-63.37	-13.00	-50.37
2064.0	V	400	201	-72.56	0.44	34.88	-60.38	-13.00	-47.38
2752.0	V	-	-	-78.22	2.32	31.10	-64.16	-13.00	-51.16
3440.0	V	-	-	-78.75	3.14	31.39	-63.86	-13.00	-50.86
4128.0	V	-	-	-78.84	3.98	32.14	-63.12	-13.00	-50.12

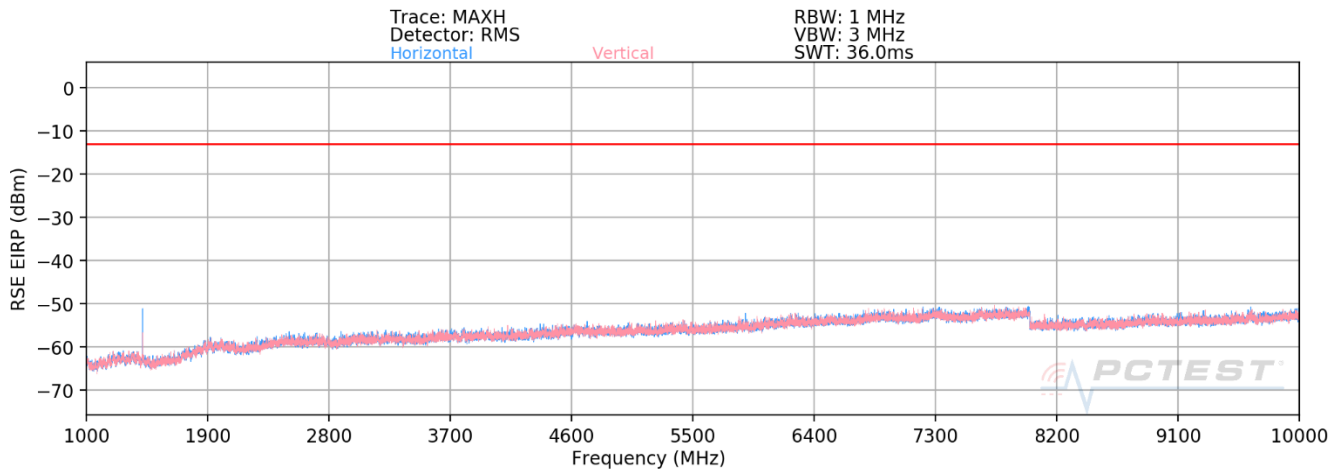
Table 7-50. Antenna 4 Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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NR Band n12



Plot 7-417. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n12)



Plot 7-418. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n12)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 269 of 301

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	258	169	-67.78	-2.06	37.16	-58.10	-13.00	-45.10
2119.5	H	-	-	-78.76	1.20	29.44	-65.81	-13.00	-52.81
2826.0	H	-	-	-79.14	2.62	30.48	-64.78	-13.00	-51.78
3532.5	H	-	-	-79.33	4.33	32.00	-63.26	-13.00	-50.26


Table 7-51. 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	203	334	-67.99	-2.08	36.93	-58.32	-13.00	-45.32
2122.5	H	-	-	-78.65	1.21	29.56	-65.69	-13.00	-52.69
2830.0	H	-	-	-79.03	2.59	30.56	-64.69	-13.00	-51.69
3537.5	H	-	-	-79.70	4.43	31.73	-63.53	-13.00	-50.53

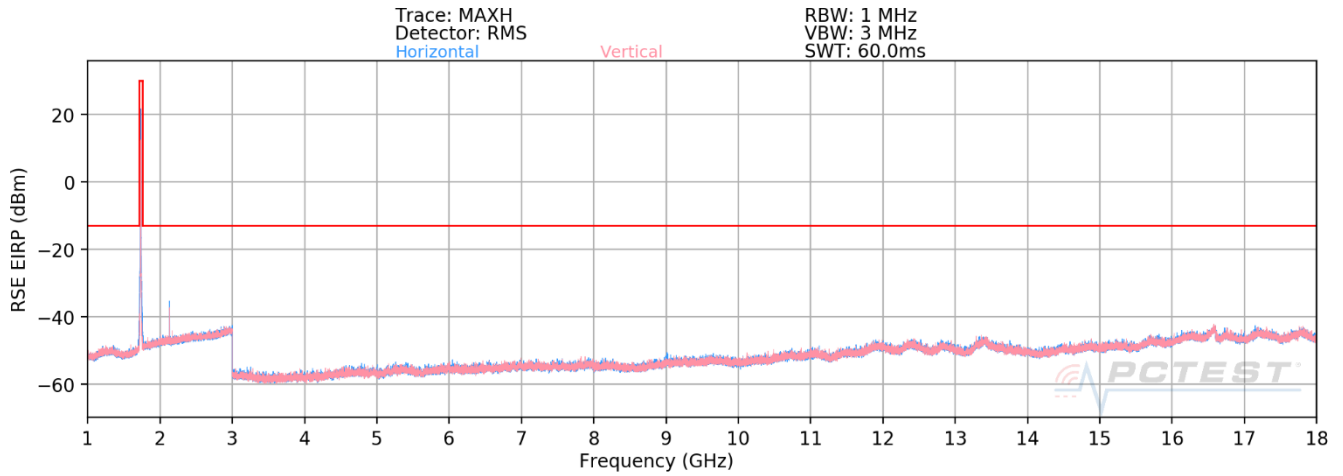
Table 7-52. Antenna 4 Radiated Spurious Data (NR Band n12 – Mid Channel)

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	397	168	-66.83	-2.09	38.08	-57.18	-13.00	-44.18
2125.5	H	-	-	-78.89	1.19	29.30	-65.95	-13.00	-52.95
2834.0	H	-	-	-79.16	2.59	30.43	-64.83	-13.00	-51.83
3542.5	H	-	-	-79.60	4.54	31.94	-63.32	-13.00	-50.32


Table 7-53. Antenna 4 Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 270 of 301

WCDMA AWS



Plot 7-419. Antenna 4 Radiated Spurious Emission above 1GHz (WCDMA AWS)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 271 of 301

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	-	-	-79.10	4.14	32.04	-63.22	-13.00	-50.22
5137.2	V	-	-	-80.29	7.19	33.90	-61.35	-13.00	-48.35
6849.6	V	-	-	-81.81	9.56	34.75	-60.51	-13.00	-47.51
8562.0	V	-	-	-82.93	11.04	35.11	-60.14	-13.00	-47.14

7-54. Antenna 4 Radiated Spurious Data (WCDMA AWS – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	V	-	-	-79.06	4.36	32.30	-62.95	-13.00	-49.95
5197.8	V	-	-	-80.54	7.52	33.98	-61.27	-13.00	-48.27
6930.4	V	-	-	-81.82	9.29	34.47	-60.79	-13.00	-47.79
8663.0	V	-	-	-83.17	11.26	35.09	-60.17	-13.00	-47.17

Table 7-55. Antenna 4 Radiated Spurious Data (WCDMA AWS – Mid Channel)

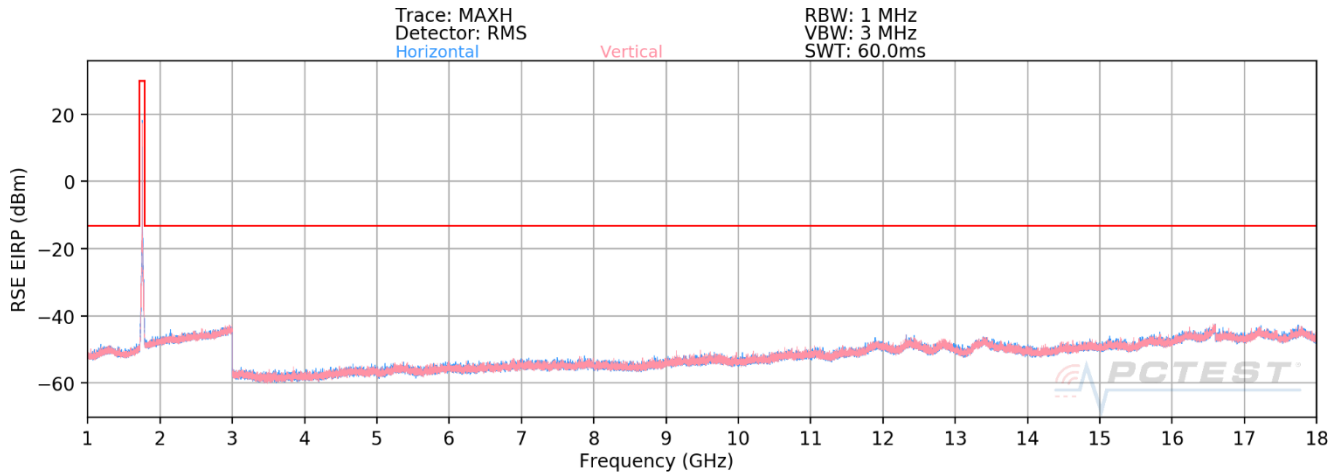
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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	-	-	-79.17	4.21	32.04	-63.22	-13.00	-50.22
5257.8	V	-	-	-80.80	8.34	34.54	-60.71	-13.00	-47.71
7010.4	V	-	-	-81.22	9.67	35.45	-59.81	-13.00	-46.81
8763.0	V	-	-	-82.52	10.95	35.43	-59.82	-13.00	-46.82


Table 7-56. Antenna 4 Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device
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ULCA LTE Band 66B/C



Plot 7-420. Antenna 4 Radiated Spurious Emission above 1GHz (ULCA LTE Band 66)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-03.BCG	Test Dates: 6/2/2021 - 8/21/2021	EUT Type: Tablet Device	Page 273 of 301

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	248	356	-78.97	4.17	32.20	-63.05	-13.00	-50.05
5160.0	V	-	-	-80.79	7.21	33.42	-61.84	-13.00	-48.84
6880.0	V	-	-	-81.81	9.52	34.71	-60.55	-13.00	-47.55
8600.0	V	-	-	-83.77	10.91	34.14	-61.12	-13.00	-48.12

7-57. Antenna 4 Radiated Spurious Data (ULCA LTE Band 66 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	195	260	-78.60	4.22	32.62	-62.63	-13.00	-49.63
5235.0	V	-	-	-80.76	8.08	34.32	-60.94	-13.00	-47.94
6980.0	V	-	-	-81.71	9.63	34.92	-60.34	-13.00	-47.34
8725.0	V	-	-	-82.51	10.83	35.32	-59.93	-13.00	-46.93

Table 7-58. Antenna 4 Radiated Spurious Data (ULCA LTE Band 66 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	215	176	-78.88	4.28	32.40	-62.85	-13.00	-49.85
5310.0	V	-	-	-80.92	8.45	34.53	-60.73	-13.00	-47.73
7080.0	V	-	-	-82.00	9.74	34.74	-60.51	-13.00	-47.51
8850.0	V	-	-	-82.43	11.30	35.87	-59.38	-13.00	-46.38

Table 7-59. Antenna 4 Radiated Spurious Data (ULCA LTE Band 66 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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7.7.2 Antenna 2 – 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	126	336	-77.41	3.74	33.33	-61.93	-13.00	-48.93
5160.0	H	-	-	-79.27	5.73	33.46	-61.80	-13.00	-48.80
6880.0	H	-	-	-79.64	7.91	35.27	-59.99	-13.00	-46.99
8600.0	H	-	-	-80.60	9.26	35.66	-59.60	-13.00	-46.60


Table 7-60. Antenna 2 Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20								
Frequency (MHz):	1745.0								
RB / Offset:	1 / 50								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	106	332	-75.10	2.86	34.76	-60.49	-13.00	-47.49
5235.0	H	-	-	-79.08	5.67	33.59	-61.67	-13.00	-48.67
6980.0	H	-	-	-79.95	8.30	35.35	-59.91	-13.00	-46.91
8725.0	H	-	-	-81.58	10.54	35.96	-59.30	-13.00	-46.30

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

Bandwidth (MHz):	20								
Frequency (MHz):	1770.0								
RB / Offset:	1 / 50								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	H	102	333	-74.25	3.45	36.20	-59.06	-13.00	-46.06
5310.00	H	-	-	-79.95	6.64	33.69	-61.56	-13.00	-48.56
7080.00	H	-	-	-80.49	8.92	35.43	-59.82	-13.00	-46.82
8850.00	H	-	-	-80.66	9.59	35.93	-59.33	-13.00	-46.33

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

FCC ID: BCGA2568		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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LTE Band 71

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	127	127	-75.62	-0.40	30.98	-64.28	-13.00	-51.28
2019.0	H	-	-	-78.86	2.48	30.62	-64.64	-13.00	-51.64
2692.0	H	-	-	-79.73	4.81	32.08	-63.17	-13.00	-50.17
3365.0	H	-	-	-79.91	5.29	32.38	-62.88	-13.00	-49.88

Table 7-63. Antenna 2 Radiated Spurious Data (LTE Band 71 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	126	118	-74.46	-0.29	32.25	-63.00	-13.00	-50.00
2041.5	H	-	-	-79.24	2.67	30.43	-64.83	-13.00	-51.83
2722.0	H	-	-	-79.61	4.38	31.77	-63.48	-13.00	-50.48
3402.5	H	-	-	-80.07	5.62	32.55	-62.71	-13.00	-49.71

Table 7-64. Antenna 2 Radiated Spurious Data (LTE Band 71 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	167	127	-75.14	-0.40	31.46	-63.80	-13.00	-50.80
2064.0	H	-	-	-78.94	2.59	30.65	-64.61	-13.00	-51.61
2752.0	H	-	-	-79.43	4.00	31.57	-63.69	-13.00	-50.69
3440.0	H	-	-	-80.13	6.20	33.07	-62.18	-13.00	-49.18

Table 7-65. Antenna 2 Radiated Spurious Data (LTE Band 71 – High Channel)

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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	113	121	-71.64	-1.22	34.14	-61.11	-13.00	-48.11
2112.0	H	-	-	-79.15	2.34	30.19	-65.07	-13.00	-52.07
2816.0	H	-	-	-79.73	4.59	31.86	-63.40	-13.00	-50.40
3520.0	H	-	-	-79.82	5.95	33.13	-62.13	-13.00	-49.13

Table 7-66. Antenna 2 Radiated Spurious Data (LTE Band 12/17 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	H	220	118	-70.93	-1.27	34.80	-60.46	-13.00	-47.46
2122.5	H	-	-	-79.13	2.40	30.27	-64.98	-13.00	-51.98
2830.0	H	-	-	-79.77	4.51	31.74	-63.52	-13.00	-50.52
3537.5	H	-	-	-79.97	6.00	33.03	-62.23	-13.00	-49.23

Table 7-67. Antenna 2 Radiated Spurious Data (LTE Band 12/17 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.0	H	155	350	-69.32	-1.30	36.38	-58.88	-13.00	-45.88
2133.0	H	-	-	-78.91	2.43	30.52	-64.74	-13.00	-51.74
2844.0	H	-	-	-79.79	4.53	31.74	-63.52	-13.00	-50.52
3555.0	H	-	-	-80.05	6.06	33.01	-62.25	-13.00	-49.25

Table 7-68. Antenna 2 Radiated Spurious Data (LTE Band 12/17 – High Channel)

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LTE Band 13

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	H	109	344	-74.88	-1.96	30.16	-65.10	-40.00	-25.10
2338.5	H	-	-	-79.03	3.08	31.05	-64.20	-13.00	-51.20
3118.0	H	-	-	-79.72	5.27	32.55	-62.71	-13.00	-49.71
3897.5	H	-	-	-80.30	7.14	33.84	-61.42	-13.00	-48.42

Table 7-69. Antenna 2 Radiated Spurious Data (LTE Band 13 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	105	334	-74.43	-1.97	30.60	-64.66	-40.00	-24.66
2346.0	H	-	-	-79.20	3.02	30.82	-64.43	-13.00	-51.43
3128.0	H	-	-	-79.75	5.21	32.46	-62.80	-13.00	-49.80
3910.0	H	-	-	-80.24	7.18	33.94	-61.31	-13.00	-48.31

Table 7-70. Antenna 2 Radiated Spurious Data (LTE Band 13 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	H	109	340	-74.76	-1.92	30.32	-64.94	-40.00	-24.94
2353.5	H	-	-	-78.99	3.02	31.03	-64.23	-13.00	-51.23
3138.0	H	-	-	-79.74	5.29	32.55	-62.70	-13.00	-49.70
3922.5	H	-	-	-80.20	7.16	33.96	-61.29	-13.00	-48.29

Table 7-71. Antenna 2 Radiated Spurious Data (LTE Band 13 – High Channel)

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NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-80.18	5.14	31.96	-63.30	-13.00	-50.30
5190.0	H	-	-	-81.28	7.56	33.28	-61.98	-13.00	-48.98
6920.0	H	-	-	-81.67	10.42	35.75	-59.51	-13.00	-46.51
8650.0	H	-	-	-83.66	12.63	35.97	-59.29	-13.00	-46.29

Table 7-72. Antenna 2 Radiated Spurious Data (NR Band n66 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	262	46	-80.04	5.09	32.05	-63.21	-13.00	-50.21
5235.0	H	-	-	-81.29	7.77	33.48	-61.77	-13.00	-48.77
6980.0	H	-	-	-81.48	10.74	36.26	-59.00	-13.00	-46.00
8725.0	H	-	-	-83.41	13.05	36.64	-58.61	-13.00	-45.61

Table 7-73. Antenna 2 Radiated Spurious Data (NR Band n66 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	346	21	-78.91	6.20	34.29	-60.97	-13.00	-47.97
5280.0	H	-	-	-81.15	8.16	34.01	-61.25	-13.00	-48.25
7040.0	H	-	-	-81.94	10.56	35.62	-59.64	-13.00	-46.64
8800.0	H	-	-	-83.49	13.05	36.56	-58.70	-13.00	-45.70

Table 7-74. Antenna 2 Radiated Spurious Data (NR Band n66 – High Channel)

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NR Band n71

Bandwidth (MHz):	20
Frequency (MHz):	673.0
RB / Offset:	1 / 51

Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	244	344	-72.58	3.85	38.27	-56.99	-13.00	-43.99
2019.0	H	-	-	-77.26	6.66	36.40	-58.86	-13.00	-45.86
2692.0	H	-	-	-77.93	8.79	37.86	-57.40	-13.00	-44.40
3365.0	H	-	-	-78.33	10.91	39.58	-55.68	-13.00	-42.68

Table 7-75. Antenna 2 Radiated Spurious Data (NR Band n71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 51


Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	273	133	-72.12	4.26	39.14	-56.11	-13.00	-43.11
2041.5	H	-	-	-77.96	7.31	36.35	-58.91	-13.00	-45.91
2722.0	H	-	-	-78.26	8.99	37.73	-57.52	-13.00	-44.52
3402.5	H	-	-	-78.40	10.85	39.45	-55.81	-13.00	-42.81

Table 7-76. Antenna 2 Radiated Spurious Data (NR Band n71 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 51

Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	122	122	-71.56	3.82	39.26	-55.99	-13.00	-42.99
2064.0	H	-	-	-77.15	7.21	37.06	-58.20	-13.00	-45.20
2752.0	H	-	-	-78.05	8.97	37.92	-57.34	-13.00	-44.34
3440.0	H	-	-	-78.53	10.98	39.45	-55.81	-13.00	-42.81

Table 7-77. Antenna 2 Radiated Spurious Data (NR Band n71 – High Channel)

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NR Band n12

Bandwidth (MHz):	15								
Frequency (MHz):	706.5								
RB / Offset:	1 / 37								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	V	199	301	-70.21	-2.06	34.73	-60.53	-13.00	-47.53
2119.5	V	-	-	-78.68	1.20	29.52	-65.73	-13.00	-52.73
2826.0	V	-	-	-79.15	2.62	30.47	-64.79	-13.00	-51.79
3532.5	V	-	-	-79.36	4.33	31.97	-63.29	-13.00	-50.29


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

Bandwidth (MHz):	15								
Frequency (MHz):	707.5								
RB / Offset:	1 / 37								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	V	251	107	-71.46	-2.08	33.46	-61.79	-13.00	-48.79
2122.5	V	-	-	-78.87	1.21	29.34	-65.91	-13.00	-52.91
2830.0	V	-	-	-79.12	2.59	30.47	-64.78	-13.00	-51.78
3537.5	V	-	-	-79.43	4.43	32.00	-63.26	-13.00	-50.26

Table 7-79. Antenna 2 Radiated Spurious Data (NR Band n12 – Mid Channel)

Bandwidth (MHz):	15								
Frequency (MHz):	708.5								
RB / Offset:	1 / 37								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.0	V	198	122	-69.79	-2.09	35.12	-60.14	-13.00	-47.14
2125.5	V	-	-	-78.85	1.19	29.34	-65.91	-13.00	-52.91
2834.0	V	-	-	-79.01	2.59	30.58	-64.68	-13.00	-51.68
3542.5	V	-	-	-79.57	4.54	31.97	-63.29	-13.00	-50.29

Table 7-80. Antenna 2 Radiated Spurious Data (NR Band n12 – High Channel)

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WCDMA AWS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	151	266	-79.77	4.14	31.37	-63.89	-13.00	-50.89
5137.2	H	281	130	-81.05	7.19	33.14	-62.11	-13.00	-49.11
6849.6	H	-	-	-81.77	9.56	34.79	-60.47	-13.00	-47.47
8562.0	H	-	-	-83.73	11.04	34.31	-60.94	-13.00	-47.94
10274.4	H	-	-	-84.11	12.91	35.80	-59.45	-13.00	-46.45

7-81. Antenna 2 Radiated Spurious Data (WCDMA AWS – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-76.49	4.36	34.87	-60.38	-13.00	-47.38
5197.8	H	277	51	-77.14	7.52	37.38	-57.87	-13.00	-44.87
6930.4	H	-	-	-74.64	9.29	41.65	-53.61	-13.00	-40.61
8663.0	H	-	-	-76.88	11.26	41.38	-53.88	-13.00	-40.88
10395.6	H	-	-	-84.57	12.76	35.19	-60.06	-13.00	-47.06

Table 7-82. Antenna 2 Radiated Spurious Data (WCDMA AWS – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	269	112	-76.65	4.21	34.56	-60.70	-13.00	-47.70
5257.8	H	257	157	-77.04	8.34	38.30	-56.95	-13.00	-43.95
7010.4	H	-	-	-74.43	9.67	42.24	-53.02	-13.00	-40.02
8763.0	H	-	-	-76.67	10.95	41.28	-53.97	-13.00	-40.97
10515.6	H	-	-	-77.89	13.60	42.71	-52.55	-13.00	-39.55

Table 7-83. Antenna 2 Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA LTE Band 66B/C

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	-	-	-79.85	4.17	31.32	-63.93	-13.00	-50.93
5160.0	H	-	-	-80.64	7.21	33.57	-61.69	-13.00	-48.69
6880.0	H	-	-	-81.39	9.52	35.13	-60.13	-13.00	-47.13
8600.0	H	-	-	-83.56	10.91	34.35	-60.91	-13.00	-47.91

7-84. Antenna 2 Radiated Spurious Data (ULCA LTE Band 66 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	-	-	-79.35	4.22	31.87	-63.38	-13.00	-50.38
5235.0	H	-	-	-80.89	8.08	34.19	-61.07	-13.00	-48.07
6980.0	H	-	-	-82.02	9.63	34.61	-60.65	-13.00	-47.65
8725.0	H	-	-	-82.70	10.83	35.13	-60.12	-13.00	-47.12

Table 7-85. Antenna 2 Radiated Spurious Data (ULCA LTE Band 66 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	-	-	-79.48	4.28	31.80	-63.45	-13.00	-50.45
5310.0	H	-	-	-80.95	8.45	34.50	-60.76	-13.00	-47.76
7080.0	H	-	-	-82.02	9.74	34.72	-60.53	-13.00	-47.53
8850.0	H	-	-	-82.51	11.30	35.79	-59.46	-13.00	-46.46

Table 7-86. Antenna 2 Radiated Spurious Data (ULCA LTE Band 66 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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7.7.3 Antenna 1b – Radiated Spurious Emission Measurement

LTE Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	-	-	-77.05	2.38	32.33	-62.93	-13.00	-49.93
5160.0	H	-	-	-78.37	5.23	33.86	-61.40	-13.00	-48.40
6880.0	H	-	-	-79.85	8.97	36.12	-59.13	-13.00	-46.13

Table 7-87. 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	-	-	-77.27	2.66	32.39	-62.86	-13.00	-49.86
5235.0	H	-	-	-78.39	5.45	34.06	-61.20	-13.00	-48.20
6980.0	H	-	-	-79.43	8.19	35.76	-59.49	-13.00	-46.49

Table 7-88. 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]
3540.00	H	-	-	-77.34	3.01	32.67	-62.59	-13.00	-49.59
5310.00	H	-	-	-78.26	5.46	34.20	-61.06	-13.00	-48.06
7080.00	H	-	-	-79.22	8.40	36.18	-59.08	-13.00	-46.08

Table 7-89. Antenna 1b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-79.75	5.14	32.39	-62.87	-13.00	-49.87
5190.0	H	-	-	-80.94	7.56	33.62	-61.64	-13.00	-48.64
6920.0	H	-	-	-81.03	10.42	36.39	-58.87	-13.00	-45.87
8650.0	H	-	-	-83.60	12.63	36.03	-59.23	-13.00	-46.23

Table 7-90. Antenna 1b Radiated Spurious Data (NR Band n66 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-79.53	5.09	32.56	-62.70	-13.00	-49.70
5235.0	H	-	-	-80.65	7.77	34.12	-61.13	-13.00	-48.13
6980.0	H	-	-	-80.96	10.74	36.78	-58.48	-13.00	-45.48
8725.0	H	-	-	-82.90	13.05	37.15	-58.10	-13.00	-45.10

Table 7-91. Antenna 1b Radiated Spurious Data (NR Band n66 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-79.85	6.20	33.35	-61.91	-13.00	-48.91
5280.0	H	-	-	-80.44	8.16	34.72	-60.54	-13.00	-47.54
7040.0	H	-	-	-81.37	10.56	36.19	-59.07	-13.00	-46.07
8800.0	H	-	-	-82.75	13.05	37.30	-57.96	-13.00	-44.96

Table 7-92. Antenna 1b Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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WCDMA AWS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-79.94	4.14	31.20	-64.06	-13.00	-51.06
5137.2	H	125	356	-76.65	7.19	37.54	-57.71	-13.00	-44.71
6849.6	H	-	-	-81.75	9.56	34.81	-60.45	-13.00	-47.45
8562.0	H	-	-	-83.84	11.04	34.20	-61.05	-13.00	-48.05
10274.4	H	-	-	-83.99	12.91	35.92	-59.33	-13.00	-46.33

7-93. 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	H	-	-	-78.10	4.36	33.26	-61.99	-13.00	-48.99
5197.8	H	311	132	-69.27	7.52	45.25	-50.00	-13.00	-37.00
6930.4	H	-	-	-81.64	9.29	34.65	-60.61	-13.00	-47.61
8663.0	H	-	-	-83.74	11.26	34.52	-60.74	-13.00	-47.74
10395.6	H	-	-	-83.84	12.76	35.92	-59.33	-13.00	-46.33

Table 7-94. 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	-	-	-79.97	4.21	31.24	-64.02	-13.00	-51.02
5257.8	H	-	-	-78.70	8.34	36.64	-58.61	-13.00	-45.61
7010.4	H	-	-	-82.40	9.67	34.27	-60.99	-13.00	-47.99
8763.0	H	-	-	-83.97	10.95	33.98	-61.27	-13.00	-48.27

Table 7-95. Antenna 1b Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA LTE Band 66B/C

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	-	-	-79.49	4.91	32.42	-62.83	-13.00	-49.83
5160.0	H	-	-	-80.86	7.57	33.71	-61.55	-13.00	-48.55
6880.0	H	-	-	-81.10	9.85	35.75	-59.51	-13.00	-46.51
8600.0	H	-	-	-83.77	11.28	34.51	-60.74	-13.00	-47.74

7-96. Antenna 1b Radiated Spurious Data (ULCA LTE Band 66 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	-	-	-80.16	5.28	32.12	-63.14	-13.00	-50.14
5235.0	H	-	-	-80.64	7.35	33.71	-61.55	-13.00	-48.55
6980.0	H	-	-	-81.23	9.61	35.38	-59.87	-13.00	-46.87
8725.0	H	-	-	-83.02	11.32	35.30	-59.95	-13.00	-46.95

Table 7-97. Antenna 1b Radiated Spurious Data (ULCA LTE Band 66 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna 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	-	-	-80.20	5.60	32.40	-62.86	-13.00	-49.86
5310.0	H	-	-	-80.54	7.56	34.02	-61.23	-13.00	-48.23
7080.0	H	-	-	-81.52	9.98	35.46	-59.79	-13.00	-46.79
8850.0	H	-	-	-83.00	11.83	35.83	-59.43	-13.00	-46.43

Table 7-98. Antenna 1b Radiated Spurious Data (ULCA LTE Band 66 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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7.7.4 Antenna 3b – Radiated Spurious Emission Measurement

LTE Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	-	-	-77.38	2.38	32.00	-63.26	-13.00	-50.26
5160.0	H	-	-	-78.01	5.23	34.22	-61.04	-13.00	-48.04
6880.0	H	-	-	-79.98	8.97	35.99	-59.26	-13.00	-46.26

Table 7-99. Antenna 3b Radiated Spurious Data (LTE Band 66/4 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-77.00	2.66	32.66	-62.59	-13.00	-49.59
5235.0	H	-	-	-78.10	5.45	34.35	-60.91	-13.00	-47.91
6980.0	H	-	-	-79.11	8.19	36.08	-59.17	-13.00	-46.17

Table 7-100. Antenna 3b Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	H	-	-	-77.59	3.01	32.42	-62.84	-13.00	-49.84
5310.00	H	-	-	-78.97	5.46	33.49	-61.77	-13.00	-48.77
7080.00	H	-	-	-79.83	8.40	35.57	-59.69	-13.00	-46.69

Table 7-101. Antenna 3b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-79.65	5.14	32.49	-62.77	-13.00	-49.77
5190.0	H	166	115	-78.89	7.56	35.67	-59.59	-13.00	-46.59
6920.0	H	-	-	-81.16	10.42	36.26	-59.00	-13.00	-46.00
8650.0	H	-	-	-83.69	12.63	35.94	-59.32	-13.00	-46.32
10380.0	H	-	-	-84.25	15.31	38.06	-57.20	-13.00	-44.20

Table 7-102. Antenna 3b Radiated Spurious Data (NR Band n66 – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-79.82	5.09	32.27	-62.99	-13.00	-49.99
5235.0	H	-	-	-80.80	7.77	33.97	-61.28	-13.00	-48.28
6980.0	H	-	-	-81.05	10.74	36.69	-58.57	-13.00	-45.57
8725.0	H	-	-	-82.81	13.05	37.24	-58.01	-13.00	-45.01

Table 7-103. Antenna 3b Radiated Spurious Data (NR Band n66 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-80.00	6.20	33.20	-62.06	-13.00	-49.06
5280.0	H	-	-	-80.64	8.16	34.52	-60.74	-13.00	-47.74
7040.0	H	-	-	-81.29	10.56	36.27	-58.99	-13.00	-45.99
8800.0	H	-	-	-82.98	13.05	37.07	-58.19	-13.00	-45.19

Table 7-104. Antenna 3b Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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WCDMA AWS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-78.58	4.14	32.56	-62.70	-13.00	-49.70
5137.2	H	-	-	-79.67	7.19	34.52	-60.73	-13.00	-47.73
6849.6	H	-	-	-78.55	9.56	38.01	-57.25	-13.00	-44.25
8562.0	H	-	-	-80.99	11.04	37.05	-58.20	-13.00	-45.20

7-105. Antenna 3b Radiated Spurious Data (WCDMA AWS – Low Channel)

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-78.57	4.36	32.79	-62.46	-13.00	-49.46
5197.8	H	-	-	-79.52	7.52	35.00	-60.25	-13.00	-47.25
6930.4	H	-	-	-78.54	9.29	37.75	-57.51	-13.00	-44.51
8663.0	H	-	-	-80.94	11.26	37.32	-57.94	-13.00	-44.94

Table 7-106. Antenna 3b Radiated Spurious Data (WCDMA AWS – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-78.65	4.21	32.56	-62.70	-13.00	-49.70
5257.8	H	-	-	-79.49	8.34	35.85	-59.40	-13.00	-46.40
7010.4	H	-	-	-78.45	9.67	38.22	-57.04	-13.00	-44.04
8763.0	H	-	-	-80.04	10.95	37.91	-57.34	-13.00	-44.34

Table 7-107. Antenna 3b Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA LTE Band 66B/C

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	-	-	-79.86	4.91	32.05	-63.20	-13.00	-50.20
5160.0	H	-	-	-80.88	7.57	33.69	-61.57	-13.00	-48.57
6880.0	H	-	-	-81.23	9.85	35.62	-59.64	-13.00	-46.64
8600.0	H	-	-	-83.73	11.28	34.55	-60.70	-13.00	-47.70

7-108. Antenna 3b Radiated Spurious Data (ULCA LTE Band 66 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-80.06	5.28	32.22	-63.04	-13.00	-50.04
5235.0	H	-	-	-80.56	7.35	33.79	-61.47	-13.00	-48.47
6980.0	H	-	-	-81.25	9.61	35.36	-59.89	-13.00	-46.89
8725.0	H	-	-	-82.94	11.32	35.38	-59.87	-13.00	-46.87

Table 7-109. Antenna 3b Radiated Spurious Data (ULCA LTE Band 66 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	H	-	-	-80.05	5.60	32.55	-62.71	-13.00	-49.71
5310.0	H	-	-	-80.63	7.56	33.93	-61.32	-13.00	-48.32
7080.0	H	-	-	-81.25	9.98	35.73	-59.52	-13.00	-46.52
8850.0	H	-	-	-82.75	11.83	36.08	-59.18	-13.00	-46.18

Table 7-110. Antenna 3b Radiated Spurious Data (ULCA LTE Band 66 – High Channel)

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7.8 Frequency Stability / Temperature Variation \$2.1053, \$27.53

Test Overview and Limit

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

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

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

Test Procedure Used

ANSI C63.26 2015

TIA-603-E-2016

Test Settings

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

Test Setup

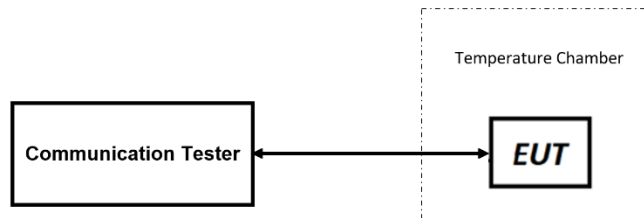


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All port were tested and only the worst case data were reported
2. NR bands with wider bandwidths compared to respective LTE bands have been investigated and worst case was reported. NR Bands with equal or lower bandwidths to respective LTE bands are covered by their respective LTE Bands.

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Frequency Stability / Temperature Variation

LTE Band 66/4

Low Channel Frequency (Hz):	1,720,000,000
High Channel Frequency (Hz):	1,770,000,000
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,719,999,998	1,769,999,988	0	-7	-0.0000004
		- 20	1,719,999,997	1,769,999,987	-1	-8	-0.0000005
		- 10	1,719,999,996	1,769,999,989	-2	-6	-0.0000003
		0	1,719,999,997	1,769,999,989	-1	-6	-0.0000003
		+ 10	1,719,999,996	1,769,999,988	-2	-7	-0.0000004
		+ 20 (Ref)	1,719,999,998	1,769,999,995	0	0	0.0000000
		+ 30	1,719,999,999	1,770,000,002	1	7	0.0000004
		+ 40	1,719,999,998	1,769,999,987	0	-8	-0.0000004
		+ 50	1,719,999,999	1,769,999,987	1	-8	-0.0000004
Battery Endpoint	3.23	+ 20	1,719,999,997	1,769,999,992	-1	-3	-0.0000002

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

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Frequency Stability / Temperature Variation

LTE Band 71

Low Channel Frequency (Hz):	673,000,000
High Channel Frequency (Hz):	688,000,000
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	672,999,999	688,000,002	0	1	0.0000002
		- 20	673,000,001	688,000,001	2	0	0.0000004
		- 10	672,999,998	688,000,003	-1	2	0.0000002
		0	673,000,000	688,000,002	1	1	0.0000002
		+ 10	672,999,999	688,000,003	0	2	0.0000003
		+ 20 (Ref)	672,999,999	688,000,001	0	0	0.0000000
		+ 30	672,999,998	688,000,001	-1	0	-0.0000001
		+ 40	672,999,998	687,999,999	-1	-2	-0.0000003
Battery Endpoint	3.23	+ 50	673,000,000	688,000,002	1	1	0.0000001
		+ 20	672,999,998	688,000,001	-1	0	-0.0000001

Table 7-112. LTE Band 71 Frequency Stability Data

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

LTE Band 12/17

Low Channel Frequency (Hz):	704,000,000
High Channel Frequency (Hz):	711,000,000
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	704,000,000	711,000,003	1	2	0.0000002
		- 20	703,999,998	711,000,001	-1	0	-0.0000001
		- 10	703,999,996	711,000,001	-3	0	-0.0000004
		0	704,000,001	711,000,000	2	-1	0.0000002
		+ 10	704,000,001	711,000,000	2	-1	0.0000003
		+ 20 (Ref)	703,999,999	711,000,001	0	0	0.0000000
		+ 30	703,999,996	711,000,002	-3	1	-0.0000004
		+ 40	703,999,996	710,999,997	-3	-4	-0.0000006
Battery Endpoint	3.23	+ 50	703,999,999	711,000,000	0	-1	-0.0000001
		+ 20	703,999,997	711,000,000	-2	-1	-0.0000001

Table 7-113. LTE Band 12/17 Frequency Stability Data

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

LTE Band 13

Low Channel Frequency (Hz):	779,500,000
High Channel Frequency (Hz):	784,500,000
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	779,499,996	784,500,004	-2	0	-0.0000002
		- 20	779,499,995	784,500,003	-3	0	-0.0000004
		- 10	779,499,998	784,500,003	0	-1	-0.0000001
		0	779,499,997	784,500,002	-1	-1	-0.0000002
		+ 10	779,499,996	784,500,006	-2	2	-0.0000003
		+ 20 (Ref)	779,499,998	784,500,004	0	0	0.0000000
		+ 30	779,499,995	784,500,006	-3	2	-0.0000004
		+ 40	779,499,998	784,500,003	0	-1	-0.0000001
		+ 50	779,499,997	784,500,006	-2	2	0.0000001
Battery Endpoint	3.23	+ 20	779,499,996	784,500,001	-2	-3	-0.0000002


Table 7-114. LTE Band 13 Frequency Stability Data

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

NR Band n66							
			Low Channel Frequency (Hz):	1,720,000,000			
			High Channel Frequency (Hz):	1,770,000,000			
			Ref. Voltage (VDC):	3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,720,070,500	1,770,025,500	90,500	46,500	0.0052617
		- 20	1,720,080,000	1,770,035,000	100,000	56,000	0.0058140
		- 10	1,720,056,000	1,770,029,000	76,000	50,000	0.0044187
		0	1,720,052,500	1,769,928,000	72,500	-51,000	0.0042152
		+ 10	1,719,999,000	1,769,982,500	19,000	3,500	0.0011047
		+ 20 (Ref)	1,719,980,000	1,769,979,000	0	0	0.0000000
		+ 30	1,720,001,500	1,769,943,500	21,500	-35,500	-0.0020057
		+ 40	1,719,984,500	1,769,950,000	4,500	-29,000	-0.0016384
		+ 50	1,719,979,500	1,769,955,000	-500	-24,000	-0.0013694
Battery Endpoint	3.23	+ 20	1,719,960,200	1,769,958,500	-19,800	-20,500	-0.0011697


Table 7-115. NR Band n66 Frequency Stability Data

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

NR Band n71							
			Low Channel Frequency (Hz):	673,000,000			
			High Channel Frequency (Hz):	688,000,000			
			Ref. Voltage (VDC):	3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	671,730,700	687,915,200	-546,500	-575,900	-0.0836467
		- 20	671,730,400	687,916,200	-546,800	-574,900	-0.0835014
		- 10	671,726,900	689,047,400	-550,300	556,300	0.0807999
		0	672,808,800	688,993,500	531,600	502,400	0.0790745
		+ 10	672,807,600	688,994,200	530,400	503,100	0.0788960
		+ 20 (Ref)	672,277,200	688,491,100	0	0	0.0000000
		+ 30	672,818,200	688,993,400	541,000	502,300	0.0804728
		+ 40	672,812,500	689,010,900	535,300	519,800	0.0796249
		+ 50	672,758,400	688,977,900	481,200	486,800	0.0277759
Battery Endpoint	3.23	+ 20	671,577,300	688,979,100	-699,900	488,000	-0.0408725


Table 7-116. NR Band n71 Frequency Stability Data

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

NR Band n12							
		Low Channel Frequency (Hz):		701,500,000			
		High Channel Frequency (Hz):		713,500,000			
		Ref. Voltage (VDC):		3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	700,405,300	713,445,400	-394,900	-396,400	-0.0555305
		- 20	700,402,300	713,445,600	-397,900	-396,200	-0.0567780
		- 10	700,401,500	713,441,600	-398,700	-400,200	-0.0560628
		0	700,402,500	713,444,400	-397,700	-397,400	-0.0567494
		+ 10	701,161,100	714,207,000	360,900	365,200	0.0511598
		+ 20 (Ref)	700,800,200	713,841,800	0	0	0.0000000
		+ 30	701,135,700	714,198,300	335,500	356,500	0.0499410
		+ 40	701,125,800	714,218,100	325,600	376,300	0.0527148
		+ 50	701,139,700	714,180,900	339,500	339,100	0.0198260
Battery Endpoint	3.23	+ 20	700,112,700	714,188,200	-687,500	346,400	-0.0401483

Table 7-117. NR Band n12 Frequency Stability Data

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

WCDMA AWS

Low Channel Frequency (Hz):	1,712,400,000
High Channel Frequency (Hz):	1,752,600,000
Ref. Voltage (VDC):	3.80


Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,712,399,998	1,752,599,988	0	-7	-0.0000004
		- 20	1,712,399,997	1,752,599,987	-1	-8	-0.0000005
		- 10	1,712,399,996	1,752,599,989	-2	-6	-0.0000003
		0	1,712,399,997	1,752,599,989	-1	-6	-0.0000003
		+ 10	1,712,399,996	1,752,599,988	-2	-7	-0.0000004
		+ 20 (Ref)	1,712,399,998	1,752,599,995	0	0	0.0000000
		+ 30	1,712,399,999	1,752,600,002	1	7	0.0000004
		+ 40	1,712,399,998	1,752,599,987	0	-8	-0.0000004
		+ 50	1,712,399,999	1,752,599,987	1	-8	-0.0000004
Battery Endpoint	3.23	+ 20	1,712,399,997	1,752,599,992	-1	-3	-0.0000002

Table 7-118. WCDMA AWS Frequency Stability Data

FCC ID: BCGA2568	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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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: BCGA2568** complies with all the requirements of Part 27 of the FCC rules.

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