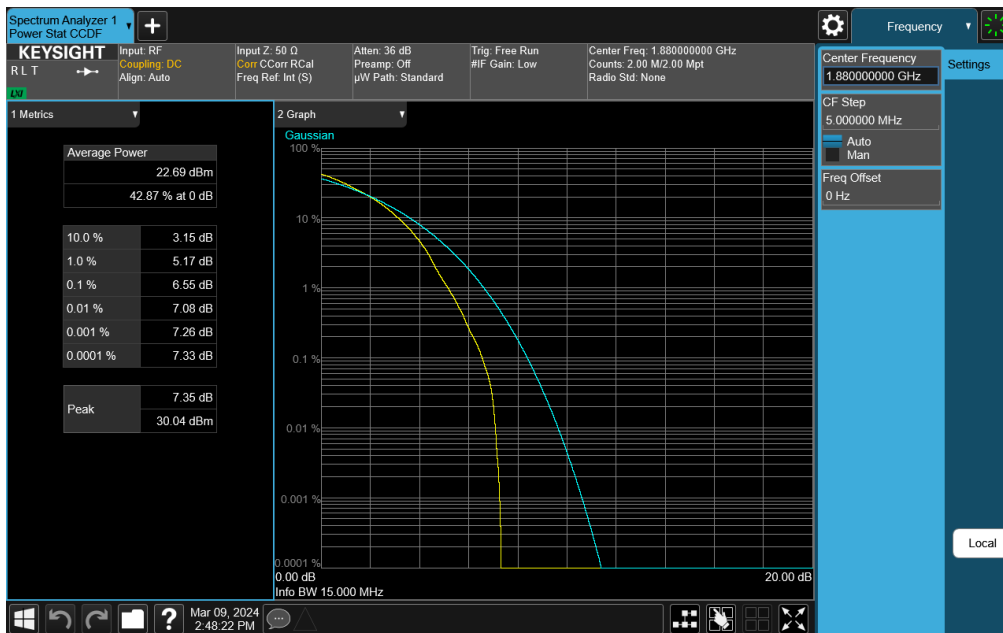
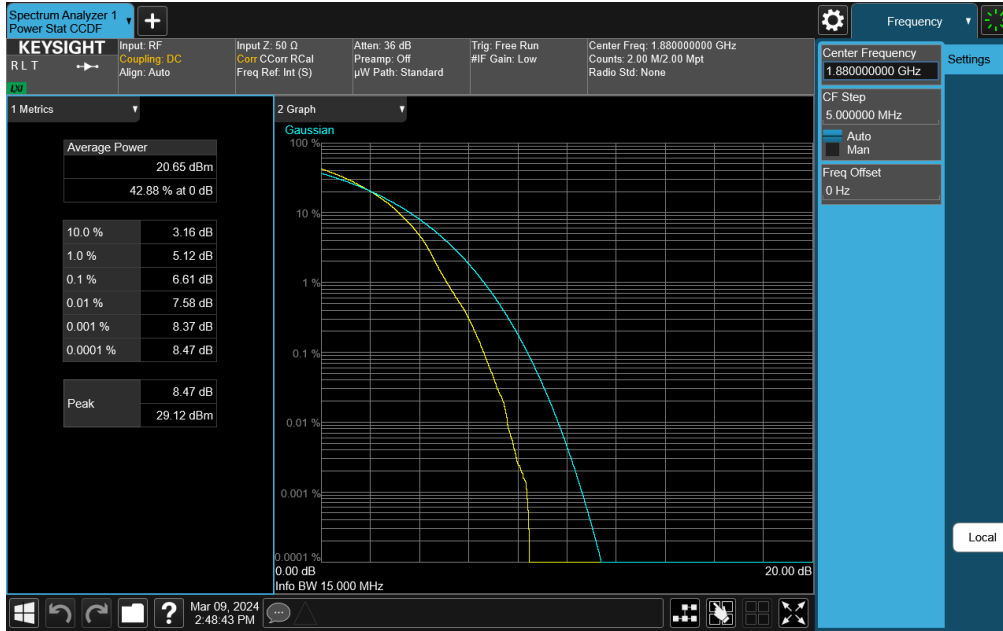


**Plot 7-293. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 16-QAM - Full RB)**

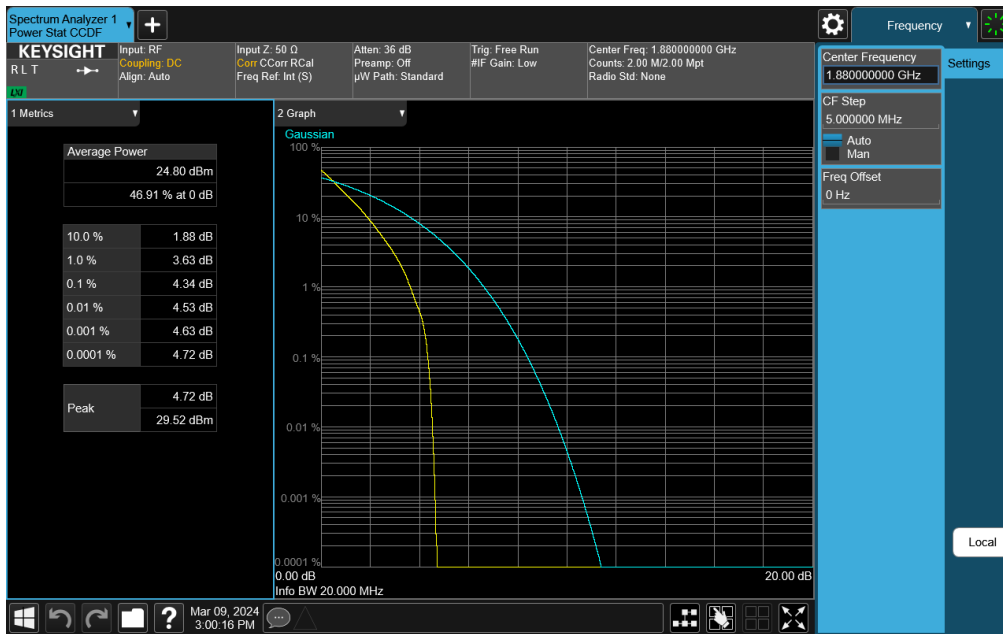


**Plot 7-294. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 64-QAM - Full RB)**

FCC ID: BCGA2837	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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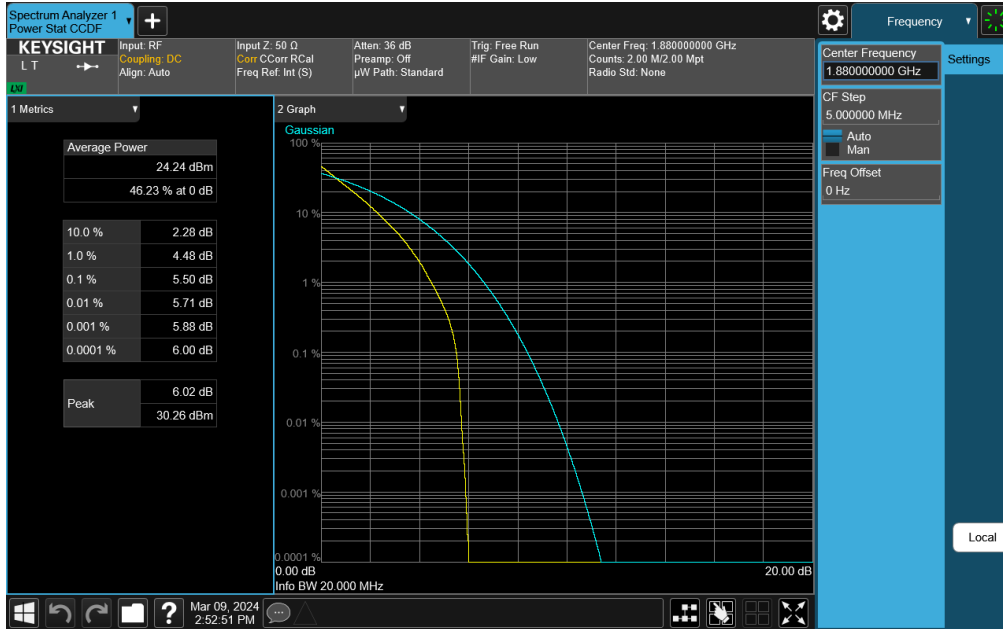


Plot 7-295. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 256-QAM - Full RB)

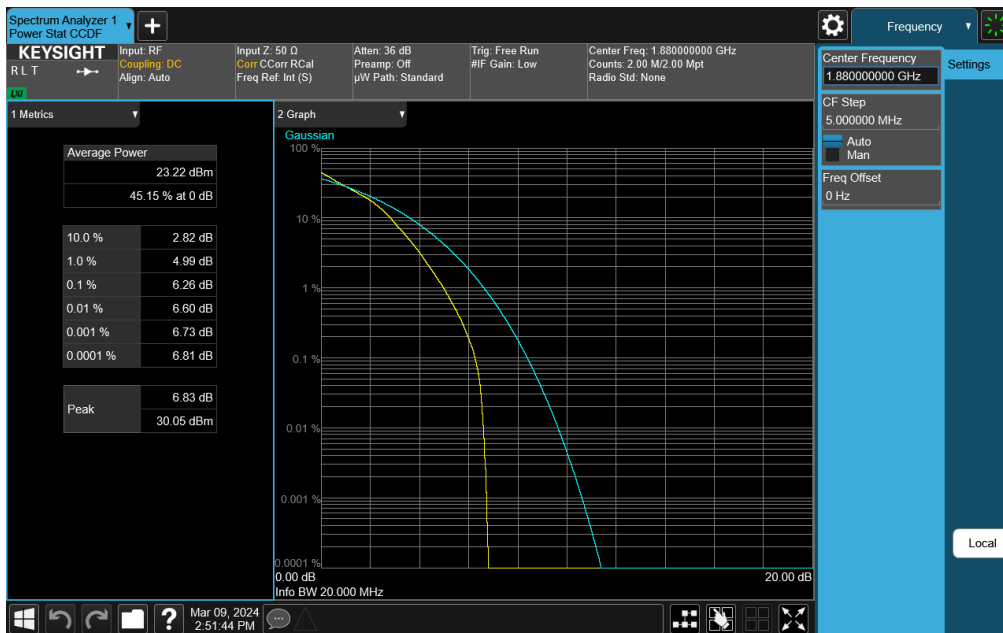


Plot 7-296. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

FCC ID: BCGA2837	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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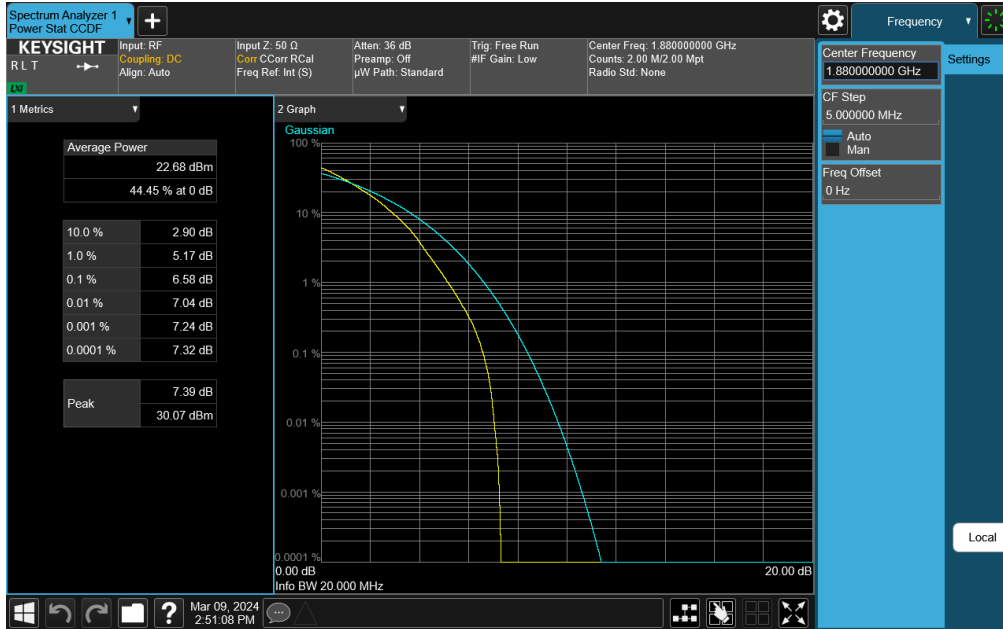


**Plot 7-297. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM QPSK - Full RB)**

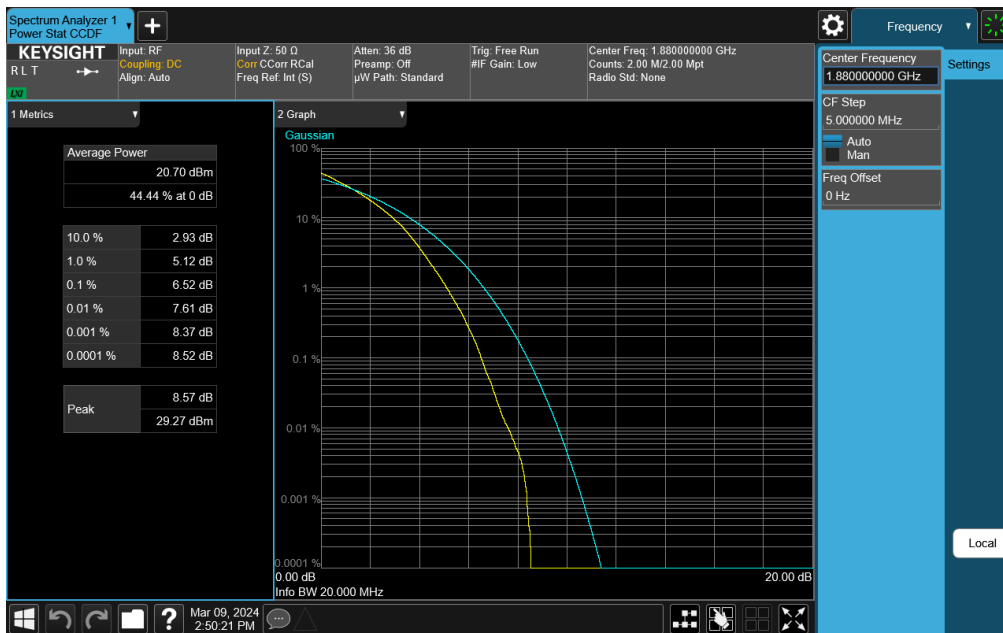


**Plot 7-298. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 16-QAM - Full RB)**

FCC ID: BCGA2837	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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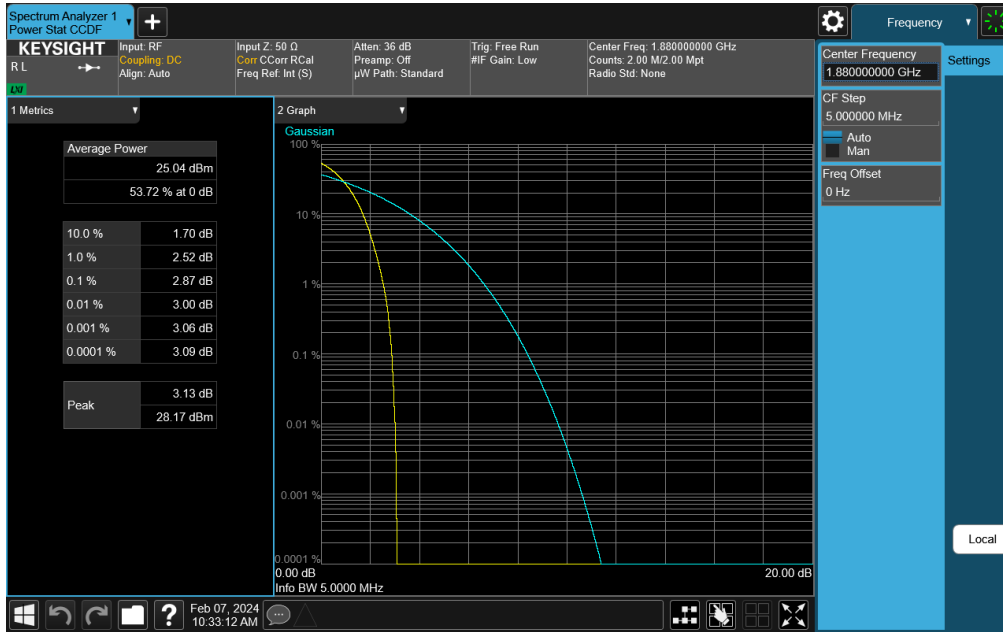
**Plot 7-299. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 64-QAM - Full RB)**




**Plot 7-300. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 256-QAM - Full RB)**

FCC ID: BCGA2837	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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# WCDMA PCS



Plot 7-301. PAR Plot (WCDMA, Ch. 9400)

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## 7.6 Radiated Power (EIRP)

§24.232(c)

### Test Overview

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 EIRP from the conducted RF output power measured is:

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

Where:

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

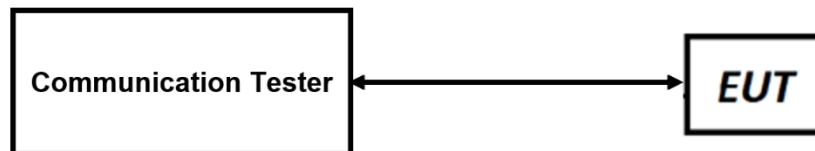
PMeas = measured transmitter output power or PSD, in dBW or dBm

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


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

### Test Setup

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




**Figure 7-5. EIRP Measurement Setup**

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**Test Notes**

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. The Ant. Gains (GT) are listed in dBi.
5. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".

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## 7.6.1 Antenna 4b – EIRP

### LTE Band 25

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	1850.7	-2.00	1 / 0	25.20	<b>23.20</b>	0.209	33.01	-9.81
		1882.5	-2.00	1 / 0	25.15	23.15	0.207	33.01	-9.86
		1914.3	-2.00	1 / 3	25.01	23.01	0.200	33.01	-10.00
	16-QAM	1882.5	-2.00	1 / 0	24.44	22.44	0.175	33.01	-10.57
	64-QAM	1850.7	-2.00	1 / 0	23.34	21.34	0.136	33.01	-11.67
256-QAM	1850.7	-2.00	1 / 5	20.33	18.33	0.068	33.01	-14.68	
3 MHz	QPSK	1851.5	-2.00	1 / 0	24.94	22.94	0.197	33.01	-10.07
		1882.5	-2.00	1 / 0	25.13	<b>23.13</b>	0.206	33.01	-9.88
		1913.5	-2.00	1 / 0	24.92	22.92	0.196	33.01	-10.09
	16-QAM	1851.5	-2.00	1 / 0	24.37	22.37	0.173	33.01	-10.64
	64-QAM	1851.5	-2.00	1 / 0	23.29	21.29	0.135	33.01	-11.72
256-QAM	1851.5	-2.00	1 / 0	20.38	18.38	0.069	33.01	-14.63	
5 MHz	QPSK	1852.5	-2.00	1 / 0	25.24	<b>23.24</b>	0.211	33.01	-9.77
		1882.5	-2.00	1 / 0	25.17	23.17	0.207	33.01	-9.84
		1912.5	-2.00	1 / 0	25.00	23.00	0.200	33.01	-10.01
	16-QAM	1882.5	-2.00	1 / 12	24.49	22.49	0.177	33.01	-10.52
	64-QAM	1882.5	-2.00	1 / 0	23.47	21.47	0.140	33.01	-11.54
256-QAM	1852.5	-2.00	1 / 0	20.28	18.28	0.067	33.01	-14.73	
10 MHz	QPSK	1855.0	-2.00	1 / 25	24.98	22.98	0.199	33.01	-10.03
		1882.5	-2.00	1 / 49	25.05	<b>23.05</b>	0.202	33.01	-9.96
		1910.0	-2.00	1 / 0	25.01	23.01	0.200	33.01	-10.00
	16-QAM	1910.0	-2.00	1 / 49	24.45	22.45	0.176	33.01	-10.56
	64-QAM	1882.5	-2.00	1 / 0	23.29	21.29	0.135	33.01	-11.72
256-QAM	1855.0	-2.00	1 / 0	20.36	18.36	0.069	33.01	-14.65	
15 MHz	QPSK	1857.5	-2.00	1 / 0	24.98	22.98	0.199	33.01	-10.03
		1882.5	-2.00	1 / 0	24.99	<b>22.99</b>	0.199	33.01	-10.02
		1907.5	-2.00	1 / 0	24.74	22.74	0.188	33.01	-10.27
	16-QAM	1882.5	-2.00	1 / 0	24.32	22.32	0.171	33.01	-10.69
	64-QAM	1857.5	-2.00	1 / 74	23.27	21.27	0.134	33.01	-11.74
256-QAM	1907.5	-2.00	1 / 0	20.19	18.19	0.066	33.01	-14.82	
20 MHz	QPSK	1860.0	-2.00	1 / 0	24.90	22.90	0.195	33.01	-10.11
		1882.5	-2.00	1 / 50	24.65	22.65	0.184	33.01	-10.36
		1905.0	-2.00	1 / 0	24.95	<b>22.95</b>	0.197	33.01	-10.06
	16-QAM	1905.0	-2.00	1 / 0	24.50	22.50	0.178	33.01	-10.51
	64-QAM	1905.0	-2.00	1 / 0	23.23	21.23	0.133	33.01	-11.78
256-QAM	1882.5	-2.00	1 / 0	20.16	18.16	0.065	33.01	-14.85	

Table 7-2. Antenna 4b EIRP Data (LTE Band 25)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 2

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	1850.7	-2.00	1 / 0	25.28	<b>23.28</b>	0.213	33.01	-9.73
		1880.0	-2.00	1 / 0	25.22	23.22	0.210	33.01	-9.79
		1909.3	-2.00	1 / 3	25.01	23.01	0.200	33.01	-10.00
	16-QAM	1880.0	-2.00	1 / 0	24.53	22.53	0.179	33.01	-10.48
	64-QAM	1850.7	-2.00	1 / 0	23.38	21.38	0.137	33.01	-11.63
	256-QAM	1850.7	-2.00	1 / 0	20.33	18.33	0.068	33.01	-14.68
3 MHz	QPSK	1851.5	-2.00	1 / 0	25.12	23.12	0.205	33.01	-9.89
		1880.0	-2.00	1 / 0	25.18	<b>23.18</b>	0.208	33.01	-9.83
		1908.5	-2.00	1 / 0	25.08	23.08	0.203	33.01	-9.93
	16-QAM	1908.5	-2.00	1 / 0	24.58	22.58	0.181	33.01	-10.43
	64-QAM	1851.5	-2.00	1 / 0	23.54	21.54	0.143	33.01	-11.47
	256-QAM	1851.5	-2.00	1 / 0	20.36	18.36	0.069	33.01	-14.65
5 MHz	QPSK	1852.5	-2.00	1 / 0	25.29	<b>23.29</b>	0.213	33.01	-9.72
		1880.0	-2.00	1 / 0	25.29	<b>23.29</b>	0.213	33.01	-9.72
		1907.5	-2.00	1 / 0	25.03	23.03	0.201	33.01	-9.98
	16-QAM	1852.5	-2.00	1 / 0	24.58	22.58	0.181	33.01	-10.43
	64-QAM	1907.5	-2.00	1 / 0	23.55	21.55	0.143	33.01	-11.46
	256-QAM	1852.5	-2.00	1 / 0	20.36	18.36	0.069	33.01	-14.65
10 MHz	QPSK	1855.0	-2.00	1 / 49	25.07	23.07	0.203	33.01	-9.94
		1880.0	-2.00	1 / 0	25.12	<b>23.12</b>	0.205	33.01	-9.89
		1905.0	-2.00	1 / 0	25.02	23.02	0.200	33.01	-9.99
	16-QAM	1905.0	-2.00	1 / 49	24.54	22.54	0.179	33.01	-10.47
	64-QAM	1855.0	-2.00	1 / 0	23.45	21.45	0.140	33.01	-11.56
	256-QAM	1905.0	-2.00	1 / 0	20.45	18.45	0.070	33.01	-14.56
15 MHz	QPSK	1857.5	-2.00	1 / 0	25.07	<b>23.07</b>	0.203	33.01	-9.94
		1880.0	-2.00	1 / 37	25.07	<b>23.07</b>	0.203	33.01	-9.94
		1902.5	-2.00	1 / 0	24.91	22.91	0.195	33.01	-10.10
	16-QAM	1880.0	-2.00	1 / 0	24.29	22.29	0.169	33.01	-10.72
	64-QAM	1857.5	-2.00	1 / 0	23.28	21.28	0.134	33.01	-11.73
	256-QAM	1880.0	-2.00	1 / 0	20.17	18.17	0.066	33.01	-14.84
20 MHz	QPSK	1860.0	-2.00	1 / 0	25.00	23.00	0.200	33.01	-10.01
		1880.0	-2.00	1 / 0	24.78	22.78	0.190	33.01	-10.23
		1900.0	-2.00	1 / 0	25.03	<b>23.03</b>	0.201	33.01	-9.98
	16-QAM	1900.0	-2.00	1 / 0	24.76	22.76	0.189	33.01	-10.25
	64-QAM	1880.0	-2.00	1 / 0	23.35	21.35	0.136	33.01	-11.66
	256-QAM	1860.0	-2.00	1 / 0	20.21	18.21	0.066	33.01	-14.80


Table 7-3. Antenna 4b EIRP Data (LTE Band 2)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 175 of 216

NR Band n25

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	1852.5	-2.00	1 / 23	25.30	<b>23.30</b>	0.214	33.01	-9.71
		1882.5	-2.00	1 / 23	25.24	23.24	0.211	33.01	-9.77
		1912.5	-2.00	1 / 1	25.24	23.24	0.211	33.01	-9.77
	QPSK	1852.5	-2.00	1 / 23	25.25	23.25	0.211	33.01	-9.76
		1882.5	-2.00	1 / 12	25.26	23.26	0.212	33.01	-9.75
		1912.5	-2.00	1 / 1	25.26	23.26	0.212	33.01	-9.75
	16-QAM	1882.5	-2.00	1 / 12	24.63	22.63	0.183	33.01	-10.38
	64-QAM	1882.5	-2.00	1 / 12	23.02	21.02	0.126	33.01	-11.99
256-QAM	1912.5	-2.00	1 / 23	21.00	19.00	0.079	33.01	-14.01	
10 MHz	π/2 BPSK	1855.0	-2.00	1 / 50	25.24	23.24	0.211	33.01	-9.77
		1882.5	-2.00	1 / 50	25.25	23.25	0.211	33.01	-9.76
		1910.0	-2.00	1 / 25	25.30	<b>23.30</b>	0.214	33.01	-9.71
	QPSK	1855.0	-2.00	1 / 50	25.26	23.26	0.212	33.01	-9.75
		1882.5	-2.00	1 / 50	25.17	23.17	0.208	33.01	-9.84
		1910.0	-2.00	1 / 25	25.28	23.28	0.213	33.01	-9.73
	16-QAM	1910.0	-2.00	1 / 25	24.51	22.51	0.178	33.01	-10.50
	64-QAM	1882.5	-2.00	1 / 50	23.06	21.06	0.128	33.01	-11.95
256-QAM	1882.5	-2.00	1 / 50	20.98	18.98	0.079	33.01	-14.03	
15 MHz	π/2 BPSK	1857.5	-2.00	1 / 1	25.26	23.26	0.212	33.01	-9.75
		1882.5	-2.00	1 / 1	25.29	23.29	0.213	33.01	-9.72
		1907.5	-2.00	1 / 1	25.25	23.25	0.211	33.01	-9.76
	QPSK	1857.5	-2.00	1 / 1	25.29	23.29	0.213	33.01	-9.72
		1882.5	-2.00	1 / 1	25.30	<b>23.30</b>	0.214	33.01	-9.71
		1907.5	-2.00	1 / 1	25.19	23.19	0.209	33.01	-9.82
	16-QAM	1882.5	-2.00	1 / 36	24.35	22.35	0.172	33.01	-10.66
	64-QAM	1882.5	-2.00	1 / 36	23.13	21.13	0.130	33.01	-11.88
256-QAM	1882.5	-2.00	1 / 77	21.08	19.08	0.081	33.01	-13.93	
20 MHz	π/2 BPSK	1860.0	-2.00	1 / 50	25.25	23.25	0.211	33.01	-9.76
		1882.5	-2.00	1 / 50	25.30	<b>23.30</b>	0.214	33.01	-9.71
		1905.0	-2.00	1 / 1	25.23	23.23	0.210	33.01	-9.78
	QPSK	1860.0	-2.00	1 / 50	25.22	23.22	0.210	33.01	-9.79
		1882.5	-2.00	1 / 50	25.26	23.26	0.212	33.01	-9.75
		1905.0	-2.00	1 / 50	25.18	23.18	0.208	33.01	-9.83
	16-QAM	1882.5	-2.00	1 / 50	24.64	22.64	0.184	33.01	-10.37
	64-QAM	1860.0	-2.00	1 / 1	23.19	21.19	0.132	33.01	-11.82
256-QAM	1882.5	-2.00	1 / 104	21.18	19.18	0.083	33.01	-13.83	
25 MHz	π/2 BPSK	1862.5	-2.00	1 / 1	25.27	23.27	0.212	33.01	-9.74
		1882.5	-2.00	1 / 131	25.30	<b>23.30</b>	0.214	33.01	-9.71
		1902.5	-2.00	1 / 131	25.23	23.23	0.211	33.01	-9.78
	QPSK	1862.5	-2.00	1 / 131	25.23	23.23	0.210	33.01	-9.78
		1882.5	-2.00	1 / 1	25.23	23.23	0.211	33.01	-9.78
		1902.5	-2.00	1 / 64	25.19	23.19	0.209	33.01	-9.82
	16-QAM	1882.5	-2.00	1 / 64	24.40	22.40	0.174	33.01	-10.61
	64-QAM	1902.5	-2.00	1 / 131	23.20	21.20	0.132	33.01	-11.81
256-QAM	1862.5	-2.00	1 / 1	21.15	19.15	0.082	33.01	-13.86	
30 MHz	π/2 BPSK	1865.0	-2.00	1 / 80	25.23	23.23	0.210	33.01	-9.78
		1882.5	-2.00	1 / 158	25.30	23.30	0.214	33.01	-9.71
		1900.0	-2.00	1 / 1	25.26	23.26	0.212	33.01	-9.75
	QPSK	1865.0	-2.00	1 / 158	25.28	23.28	0.213	33.01	-9.73
		1882.5	-2.00	1 / 1	25.30	<b>23.30</b>	0.214	33.01	-9.71
		1900.0	-2.00	1 / 80	25.23	23.23	0.210	33.01	-9.78
	16-QAM	1865.0	-2.00	1 / 1	24.42	22.42	0.175	33.01	-10.59
	64-QAM	1865.0	-2.00	1 / 80	23.19	21.19	0.132	33.01	-11.82
256-QAM	1865.0	-2.00	1 / 1	21.17	19.17	0.083	33.01	-13.84	
35 MHz	π/2 BPSK	1872.5	-2.00	1 / 93	25.27	23.27	0.213	33.01	-9.74
		1882.5	-2.00	1 / 1	25.27	23.27	0.212	33.01	-9.74
		1897.5	-2.00	1 / 1	25.20	23.20	0.209	33.01	-9.81
	QPSK	1872.5	-2.00	1 / 1	25.15	23.15	0.207	33.01	-9.86
		1882.5	-2.00	1 / 1	25.30	<b>23.30</b>	0.214	33.01	-9.71
		1897.5	-2.00	1 / 1	25.16	23.16	0.207	33.01	-9.85
	16-QAM	1882.5	-2.00	1 / 1	24.12	22.12	0.163	33.01	-10.89
	64-QAM	1897.5	-2.00	1 / 186	23.19	21.19	0.132	33.01	-11.82
256-QAM	1882.5	-2.00	1 / 93	21.24	19.24	0.084	33.01	-13.77	
40 MHz	π/2 BPSK	1870.0	-2.00	1 / 108	25.20	23.20	0.209	33.01	-9.81
		1882.5	-2.00	1 / 214	25.24	23.24	0.211	33.01	-9.77
		1895.0	-2.00	1 / 108	25.18	23.18	0.208	33.01	-9.83
	QPSK	1870.0	-2.00	1 / 214	25.27	23.27	0.212	33.01	-9.74
		1882.5	-2.00	1 / 1	25.22	23.22	0.210	33.01	-9.79
		1895.0	-2.00	1 / 1	25.17	23.17	0.208	33.01	-9.84
	16-QAM	1870.0	-2.00	1 / 214	24.84	22.84	0.192	33.01	-10.17
	64-QAM	1870.0	-2.00	1 / 214	23.18	21.18	0.131	33.01	-11.83
256-QAM	1870.0	-2.00	1 / 214	21.33	19.33	0.086	33.01	-13.68	


Table 7-4. Antenna 4b EIRP Data (NR Band n25)

FCC ID: BCGA2837		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 176 of 216

NR Band n2

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	1852.5	-2.00	1 / 1	25.19	23.19	0.208	33.01	-9.82
		1880.0	-2.00	1 / 1	25.22	<b>23.22</b>	0.210	33.01	-9.79
		1907.5	-2.00	1 / 1	25.13	23.13	0.206	33.01	-9.88
	QPSK	1852.5	-2.00	1 / 1	25.13	23.13	0.206	33.01	-9.88
		1880.0	-2.00	1 / 12	25.16	23.16	0.207	33.01	-9.86
		1907.5	-2.00	1 / 1	25.12	23.12	0.205	33.01	-9.89
	16-QAM	1880.0	-2.00	1 / 1	24.33	22.33	0.171	33.01	-10.68
64-QAM	1907.5	-2.00	1 / 12	22.83	20.83	0.121	33.01	-12.18	
256-QAM	1907.5	-2.00	1 / 1	20.66	18.66	0.074	33.01	-14.35	
10 MHz	π/2 BPSK	1855.0	-2.00	1 / 1	25.08	23.08	0.203	33.01	-9.93
		1880.0	-2.00	1 / 1	25.06	23.06	0.202	33.01	-9.95
		1905.0	-2.00	1 / 1	25.12	<b>23.12</b>	0.205	33.01	-9.89
	QPSK	1855.0	-2.00	1 / 25	25.02	23.02	0.200	33.01	-9.99
		1880.0	-2.00	1 / 1	25.10	23.10	0.204	33.01	-9.91
		1905.0	-2.00	1 / 25	25.06	23.06	0.202	33.01	-9.95
	16-QAM	1880.0	-2.00	1 / 1	24.27	22.27	0.169	33.01	-10.74
64-QAM	1880.0	-2.00	1 / 25	22.63	20.63	0.116	33.01	-12.38	
256-QAM	1905.0	-2.00	1 / 25	20.58	18.58	0.072	33.01	-14.43	
15 MHz	π/2 BPSK	1857.5	-2.00	1 / 1	25.24	23.24	0.211	33.01	-9.77
		1880.0	-2.00	1 / 36	25.27	23.27	0.212	33.01	-9.74
		1902.5	-2.00	1 / 36	25.23	23.23	0.210	33.01	-9.78
	QPSK	1857.5	-2.00	1 / 1	25.30	<b>23.30</b>	0.214	33.01	-9.71
		1880.0	-2.00	1 / 1	25.29	23.29	0.213	33.01	-9.72
		1902.5	-2.00	1 / 36	25.20	23.20	0.209	33.01	-9.81
	16-QAM	1902.5	-2.00	1 / 36	24.36	22.36	0.172	33.01	-10.65
64-QAM	1880.0	-2.00	1 / 1	22.93	20.93	0.124	33.01	-12.08	
256-QAM	1880.0	-2.00	1 / 1	20.88	18.88	0.077	33.01	-14.13	
20 MHz	π/2 BPSK	1860.0	-2.00	1 / 50	25.25	23.25	0.211	33.01	-9.76
		1880.0	-2.00	1 / 50	25.25	23.25	0.212	33.01	-9.76
		1900.0	-2.00	1 / 1	25.27	23.27	0.212	33.01	-9.74
	QPSK	1860.0	-2.00	1 / 50	25.27	<b>23.27</b>	0.212	33.01	-9.74
		1880.0	-2.00	1 / 1	25.14	23.14	0.206	33.01	-9.87
		1900.0	-2.00	1 / 50	25.23	23.23	0.210	33.01	-9.78
	16-QAM	1900.0	-2.00	1 / 50	24.35	22.35	0.172	33.01	-10.66
64-QAM	1880.0	-2.00	1 / 50	22.88	20.88	0.123	33.01	-12.13	
256-QAM	1860.0	-2.00	1 / 50	20.78	18.78	0.076	33.01	-14.23	


Table 7-5. Antenna 4b EIRP Data (NR Band n2)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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**WCDMA PCS**

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	25.12	-2.00	23.12	0.205	33.01	-9.89
1880.00	WCDMA1900	25.28	-2.00	<b>23.28</b>	<b>0.213</b>	33.01	-9.73
1907.60	WCDMA1900	25.25	-2.00	23.25	0.211	33.01	-9.76

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

<b>FCC ID:</b> BCGA2837	 <b>PART 24 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-08.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
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## 7.6.2 Antenna 1 – EIRP

### LTE Band 25

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	1850.7	0.40	1 / 5	22.62	<b>23.02</b>	0.200	33.01	-9.99
		1882.5	0.40	1 / 0	22.55	22.95	0.197	33.01	-10.06
		1914.3	0.40	1 / 5	22.41	22.81	0.191	33.01	-10.20
	16-QAM	1882.5	0.40	1 / 0	21.85	22.25	0.168	33.01	-10.76
	64-QAM	1850.7	0.40	1 / 0	20.65	21.05	0.127	33.01	-11.96
	256-QAM	1882.5	0.40	1 / 5	17.57	17.97	0.063	33.01	-15.04
3 MHz	QPSK	1851.5	0.40	1 / 0	22.46	22.86	0.193	33.01	-10.15
		1882.5	0.40	1 / 0	22.52	<b>22.92</b>	0.196	33.01	-10.09
		1913.5	0.40	1 / 0	22.35	22.75	0.188	33.01	-10.26
	16-QAM	1913.5	0.40	1 / 0	21.97	22.37	0.173	33.01	-10.64
	64-QAM	1851.5	0.40	1 / 0	20.80	21.20	0.132	33.01	-11.81
	256-QAM	1913.5	0.40	1 / 0	17.75	18.15	0.065	33.01	-14.86
5 MHz	QPSK	1852.5	0.40	1 / 0	22.66	<b>23.06</b>	0.202	33.01	-9.95
		1882.5	0.40	1 / 0	22.57	22.97	0.198	33.01	-10.04
		1912.5	0.40	1 / 0	22.38	22.78	0.190	33.01	-10.23
	16-QAM	1882.5	0.40	1 / 0	21.93	22.33	0.171	33.01	-10.68
	64-QAM	1852.5	0.40	1 / 0	20.92	21.32	0.136	33.01	-11.69
	256-QAM	1852.5	0.40	1 / 0	17.77	18.17	0.066	33.01	-14.84
10 MHz	QPSK	1855.0	0.40	1 / 0	22.44	22.84	0.192	33.01	-10.17
		1882.5	0.40	1 / 0	22.45	<b>22.85</b>	0.193	33.01	-10.16
		1910.0	0.40	1 / 0	22.29	22.69	0.186	33.01	-10.32
	16-QAM	1910.0	0.40	1 / 49	21.84	22.24	0.167	33.01	-10.77
	64-QAM	1855.0	0.40	1 / 25	20.78	21.18	0.131	33.01	-11.83
	256-QAM	1910.0	0.40	1 / 0	17.70	18.10	0.065	33.01	-14.91
15 MHz	QPSK	1857.5	0.40	1 / 0	22.47	<b>22.87</b>	0.194	33.01	-10.14
		1882.5	0.40	1 / 37	22.37	22.77	0.189	33.01	-10.24
		1907.5	0.40	1 / 0	22.28	22.68	0.185	33.01	-10.33
	16-QAM	1857.5	0.40	1 / 74	21.73	22.13	0.163	33.01	-10.88
	64-QAM	1857.5	0.40	1 / 0	20.63	21.03	0.127	33.01	-11.98
	256-QAM	1882.5	0.40	1 / 0	17.56	17.96	0.063	33.01	-15.05
20 MHz	QPSK	1860.0	0.40	1 / 0	22.36	<b>22.76</b>	0.189	33.01	-10.25
		1882.5	0.40	1 / 50	22.10	22.50	0.178	33.01	-10.51
		1905.0	0.40	1 / 0	22.35	22.75	0.188	33.01	-10.26
	16-QAM	1882.5	0.40	1 / 0	21.96	22.36	0.172	33.01	-10.65
	64-QAM	1905.0	0.40	1 / 0	21.00	21.40	0.138	33.01	-11.61
	256-QAM	1882.5	0.40	1 / 99	17.55	17.95	0.062	33.01	-15.06


Table 7-7. Antenna 1 EIRP Data (LTE Band 25)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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**LTE Band 2**

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	1850.7	0.40	1 / 0	22.57	<b>22.97</b>	0.198	33.01	-10.04
		1880.0	0.40	1 / 0	22.49	22.89	0.195	33.01	-10.12
		1909.3	0.40	1 / 3	22.34	22.74	0.188	33.01	-10.27
	16-QAM	1880.0	0.40	1 / 5	21.71	22.11	0.163	33.01	-10.90
	64-QAM	1850.7	0.40	1 / 0	20.71	21.11	0.129	33.01	-11.90
	256-QAM	1850.7	0.40	1 / 0	17.54	17.94	0.062	33.01	-15.07
3 MHz	QPSK	1851.5	0.40	1 / 0	22.34	22.74	0.188	33.01	-10.27
		1880.0	0.40	1 / 0	22.38	<b>22.78</b>	0.190	33.01	-10.23
		1908.5	0.40	1 / 0	22.31	22.71	0.187	33.01	-10.30
	16-QAM	1908.5	0.40	1 / 0	21.82	22.22	0.167	33.01	-10.79
	64-QAM	1851.5	0.40	1 / 0	20.85	21.25	0.133	33.01	-11.76
	256-QAM	1880.0	0.40	1 / 0	17.66	18.06	0.064	33.01	-14.95
5 MHz	QPSK	1852.5	0.40	1 / 0	22.68	<b>23.08</b>	0.203	33.01	-9.93
		1880.0	0.40	1 / 0	22.56	22.96	0.198	33.01	-10.05
		1907.5	0.40	1 / 0	22.42	22.82	0.191	33.01	-10.19
	16-QAM	1880.0	0.40	1 / 12	21.87	22.27	0.169	33.01	-10.74
	64-QAM	1880.0	0.40	1 / 12	20.80	21.20	0.132	33.01	-11.81
	256-QAM	1852.5	0.40	1 / 24	17.55	17.95	0.062	33.01	-15.06
10 MHz	QPSK	1855.0	0.40	1 / 25	22.37	<b>22.77</b>	0.189	33.01	-10.24
		1880.0	0.40	1 / 49	22.36	22.76	0.189	33.01	-10.25
		1905.0	0.40	1 / 0	22.33	22.73	0.187	33.01	-10.28
	16-QAM	1905.0	0.40	1 / 25	21.77	22.17	0.165	33.01	-10.84
	64-QAM	1855.0	0.40	1 / 0	20.66	21.06	0.128	33.01	-11.95
	256-QAM	1880.0	0.40	1 / 0	17.65	18.05	0.064	33.01	-14.96
15 MHz	QPSK	1857.5	0.40	1 / 0	22.28	22.68	0.185	33.01	-10.33
		1880.0	0.40	1 / 0	22.33	<b>22.73</b>	0.187	33.01	-10.28
		1902.5	0.40	1 / 0	22.24	22.64	0.184	33.01	-10.37
	16-QAM	1902.5	0.40	1 / 0	21.73	22.13	0.163	33.01	-10.88
	64-QAM	1857.5	0.40	1 / 74	20.51	20.91	0.123	33.01	-12.10
	256-QAM	1857.5	0.40	1 / 37	17.53	17.93	0.062	33.01	-15.08
20 MHz	QPSK	1860.0	0.40	1 / 0	22.17	22.57	0.181	33.01	-10.44
		1880.0	0.40	1 / 0	21.95	22.35	0.172	33.01	-10.66
		1900.0	0.40	1 / 0	22.30	<b>22.70</b>	0.186	33.01	-10.31
	16-QAM	1900.0	0.40	1 / 0	21.74	22.14	0.164	33.01	-10.87
	64-QAM	1900.0	0.40	1 / 0	20.55	20.95	0.124	33.01	-12.06
	256-QAM	1860.0	0.40	1 / 99	17.41	17.81	0.060	33.01	-15.20


**Table 7-8. Antenna 1 EIRP Data (LTE Band 2)**

FCC ID: BCGA2837		<b>PART 24 MEASUREMENT REPORT</b>	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 180 of 216

NR Band n25

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	1852.5	0.40	1 / 1	22.50	22.90	0.195	33.01	-10.11
		1882.5	0.40	1 / 1	22.60	<b>23.00</b>	0.200	33.01	-10.01
		1912.5	0.40	1 / 23	22.56	22.96	0.198	33.01	-10.05
	QPSK	1852.5	0.40	1 / 1	22.50	22.90	0.195	33.01	-10.11
		1882.5	0.40	1 / 1	22.58	22.98	0.199	33.01	-10.03
		1912.5	0.40	1 / 1	22.52	22.92	0.196	33.01	-10.09
		16-QAM	1912.5	0.40	1 / 1	21.86	22.26	0.168	33.01
64-QAM	1882.5	0.40	1 / 1	20.23	20.63	0.116	33.01	-12.38	
256-QAM	1912.5	0.40	1 / 1	18.03	18.43	0.070	33.01	-14.58	
10 MHz	π/2 BPSK	1855.0	0.40	1 / 1	22.46	22.86	0.193	33.01	-10.15
		1882.5	0.40	1 / 25	22.51	22.91	0.196	33.01	-10.10
		1910.0	0.40	1 / 25	22.58	<b>22.98</b>	0.198	33.01	-10.03
	QPSK	1855.0	0.40	1 / 25	22.40	22.80	0.191	33.01	-10.21
		1882.5	0.40	1 / 25	22.48	22.88	0.194	33.01	-10.13
		1910.0	0.40	1 / 25	22.56	22.96	0.197	33.01	-10.06
		16-QAM	1910.0	0.40	1 / 25	21.70	22.10	0.162	33.01
64-QAM	1910.0	0.40	1 / 50	20.25	20.65	0.116	33.01	-12.36	
256-QAM	1910.0	0.40	1 / 25	18.07	18.47	0.070	33.01	-14.54	
15 MHz	π/2 BPSK	1857.5	0.40	1 / 1	22.66	23.06	0.202	33.01	-9.95
		1882.5	0.40	1 / 1	22.69	23.09	0.204	33.01	-9.92
		1907.5	0.40	1 / 1	22.66	23.06	0.203	33.01	-9.95
	QPSK	1857.5	0.40	1 / 1	22.68	23.08	0.203	33.01	-9.93
		1882.5	0.40	1 / 1	22.70	<b>23.10</b>	0.204	33.01	-9.91
		1907.5	0.40	1 / 36	22.67	23.07	0.203	33.01	-9.94
		16-QAM	1907.5	0.40	1 / 1	21.94	22.34	0.172	33.01
64-QAM	1907.5	0.40	1 / 1	20.31	20.71	0.118	33.01	-12.30	
256-QAM	1857.5	0.40	1 / 1	18.24	18.64	0.073	33.01	-14.37	
20 MHz	π/2 BPSK	1860.0	0.40	1 / 104	22.70	23.10	0.204	33.01	-9.91
		1882.5	0.40	1 / 50	22.70	<b>23.10</b>	0.204	33.01	-9.91
		1905.0	0.40	1 / 50	22.62	23.02	0.201	33.01	-9.99
	QPSK	1860.0	0.40	1 / 104	22.62	23.02	0.201	33.01	-9.99
		1882.5	0.40	1 / 50	22.67	23.07	0.203	33.01	-9.94
		1905.0	0.40	1 / 104	22.66	23.06	0.202	33.01	-9.95
		16-QAM	1860.0	0.40	1 / 50	21.79	22.19	0.165	33.01
64-QAM	1860.0	0.40	1 / 50	20.33	20.73	0.118	33.01	-12.28	
256-QAM	1860.0	0.40	1 / 1	18.16	18.56	0.072	33.01	-14.45	
25 MHz	π/2 BPSK	1862.5	0.40	1 / 64	22.69	23.09	0.204	33.01	-9.92
		1882.5	0.40	1 / 131	22.68	23.08	0.203	33.01	-9.93
		1902.5	0.40	1 / 131	22.66	23.06	0.202	33.01	-9.95
	QPSK	1862.5	0.40	1 / 1	22.67	23.07	0.203	33.01	-9.94
		1882.5	0.40	1 / 131	22.70	<b>23.10</b>	0.204	33.01	-9.91
		1902.5	0.40	1 / 1	22.69	23.09	0.204	33.01	-9.92
		16-QAM	1862.5	0.40	1 / 1	22.00	22.40	0.174	33.01
64-QAM	1882.5	0.40	1 / 1	20.39	20.79	0.120	33.01	-12.22	
256-QAM	1902.5	0.40	1 / 64	18.23	18.63	0.073	33.01	-14.38	
30 MHz	π/2 BPSK	1865.0	0.40	1 / 158	22.64	23.04	0.201	33.01	-9.97
		1882.5	0.40	1 / 158	22.70	<b>23.10</b>	0.204	33.01	-9.91
		1900.0	0.40	1 / 158	22.67	23.07	0.203	33.01	-9.94
	QPSK	1865.0	0.40	1 / 158	22.68	23.08	0.203	33.01	-9.93
		1882.5	0.40	1 / 1	22.68	23.08	0.203	33.01	-9.93
		1900.0	0.40	1 / 80	22.69	23.09	0.204	33.01	-9.92
		16-QAM	1882.5	0.40	1 / 1	21.88	22.28	0.169	33.01
64-QAM	1900.0	0.40	1 / 158	20.44	20.84	0.121	33.01	-12.17	
256-QAM	1865.0	0.40	1 / 158	18.36	18.76	0.075	33.01	-14.25	
35 MHz	π/2 BPSK	1872.5	0.40	1 / 93	22.68	23.08	0.203	33.01	-9.93
		1882.5	0.40	1 / 93	22.62	23.02	0.200	33.01	-10.00
		1897.5	0.40	1 / 93	22.68	23.08	0.203	33.01	-9.93
	QPSK	1872.5	0.40	1 / 1	22.63	23.03	0.201	33.01	-9.98
		1882.5	0.40	1 / 1	22.63	23.03	0.201	33.01	-9.98
		1897.5	0.40	1 / 1	22.66	23.06	0.202	33.01	-9.95
		16-QAM	1882.5	0.40	1 / 1	21.68	22.08	0.162	33.01
64-QAM	1872.5	0.40	1 / 186	20.59	20.99	0.126	33.01	-12.02	
256-QAM	1882.5	0.40	1 / 1	18.16	18.56	0.072	33.01	-14.45	
40 MHz	π/2 BPSK	1870.0	0.40	1 / 108	22.66	23.06	0.202	33.01	-9.95
		1882.5	0.40	1 / 214	22.70	<b>23.10</b>	0.204	33.01	-9.91
		1895.0	0.40	1 / 1	22.68	23.08	0.203	33.01	-9.93
	QPSK	1870.0	0.40	1 / 1	22.60	23.00	0.200	33.01	-10.01
		1882.5	0.40	1 / 108	22.68	23.08	0.203	33.01	-9.93
		1895.0	0.40	1 / 108	22.68	23.08	0.203	33.01	-9.93
		16-QAM	1895.0	0.40	1 / 108	21.86	22.26	0.168	33.01
64-QAM	1882.5	0.40	1 / 1	20.45	20.85	0.122	33.01	-12.16	
256-QAM	1870.0	0.40	1 / 214	18.23	18.63	0.073	33.01	-14.38	


Table 7-9. Antenna 1 EIRP Data (NR Band n25)

FCC ID: BCGA2837		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 181 of 216

NR Band n2

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	1852.5	0.40	1 / 1	22.47	22.87	0.194	33.01	-10.14
		1880.0	0.40	1 / 1	22.49	22.89	0.194	33.01	-10.12
		1907.5	0.40	1 / 1	22.57	22.97	0.198	33.01	-10.04
	QPSK	1852.5	0.40	1 / 1	22.42	22.82	0.191	33.01	-10.19
		1880.0	0.40	1 / 12	22.52	22.92	0.196	33.01	-10.09
		1907.5	0.40	1 / 1	22.63	<b>23.03</b>	0.201	33.01	-9.98
	16-QAM	1880.0	0.40	1 / 12	21.61	22.01	0.159	33.01	-11.00
64-QAM	1907.5	0.40	1 / 1	20.20	20.60	0.115	33.01	-12.41	
256-QAM	1907.5	0.40	1 / 23	18.03	18.43	0.070	33.01	-14.58	
10 MHz	π/2 BPSK	1855.0	0.40	1 / 1	22.52	22.92	0.196	33.01	-10.09
		1880.0	0.40	1 / 25	22.55	22.95	0.197	33.01	-10.06
		1905.0	0.40	1 / 25	22.63	<b>23.03</b>	0.201	33.01	-9.98
	QPSK	1855.0	0.40	1 / 1	22.46	22.86	0.193	33.01	-10.15
		1880.0	0.40	1 / 1	22.55	22.95	0.197	33.01	-10.06
		1905.0	0.40	1 / 25	22.60	23.00	0.199	33.01	-10.01
	16-QAM	1855.0	0.40	1 / 50	21.87	22.27	0.169	33.01	-10.74
64-QAM	1880.0	0.40	1 / 25	20.22	20.62	0.115	33.01	-12.39	
256-QAM	1905.0	0.40	1 / 50	18.21	18.61	0.073	33.01	-14.40	
15 MHz	π/2 BPSK	1857.5	0.40	1 / 1	22.61	23.01	0.200	33.01	-10.00
		1880.0	0.40	1 / 77	22.68	<b>23.08</b>	0.203	33.01	-9.93
		1902.5	0.40	1 / 36	22.65	23.05	0.202	33.01	-9.96
	QPSK	1857.5	0.40	1 / 36	22.57	22.97	0.198	33.01	-10.04
		1880.0	0.40	1 / 36	22.65	23.05	0.202	33.01	-9.96
		1902.5	0.40	1 / 36	22.66	23.06	0.202	33.01	-9.95
	16-QAM	1902.5	0.40	1 / 1	21.75	22.15	0.164	33.01	-10.86
64-QAM	1902.5	0.40	1 / 1	20.34	20.74	0.119	33.01	-12.27	
256-QAM	1880.0	0.40	1 / 36	18.46	18.86	0.077	33.01	-14.15	
20 MHz	π/2 BPSK	1860.0	0.40	1 / 104	22.61	23.01	0.200	33.01	-10.00
		1880.0	0.40	1 / 50	22.70	<b>23.10</b>	0.204	33.01	-9.91
		1900.0	0.40	1 / 50	22.67	23.07	0.203	33.01	-9.94
	QPSK	1860.0	0.40	1 / 104	22.58	22.98	0.199	33.01	-10.03
		1880.0	0.40	1 / 50	22.68	23.08	0.203	33.01	-9.93
		1900.0	0.40	1 / 50	22.63	23.03	0.201	33.01	-9.98
	16-QAM	1900.0	0.40	1 / 1	21.92	22.32	0.171	33.01	-10.69
64-QAM	1900.0	0.40	1 / 1	20.20	20.60	0.115	33.01	-12.41	
256-QAM	1900.0	0.40	1 / 50	18.23	18.63	0.073	33.01	-14.38	

Table 7-10. Antenna 1 EIRP Data (NR Band n2)


FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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**WCDMA PCS**

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	22.56	0.40	22.96	0.198	33.01	-10.05
1880.00	WCDMA1900	22.62	0.40	<b>23.02</b>	<b>0.200</b>	33.01	-9.99
1907.60	WCDMA1900	22.59	0.40	22.99	0.199	33.01	-10.02

**Table 7-11. Antenna 1 EIRP Data (WCDMA PCS)**


<b>FCC ID:</b> BCGA2837	 <b>PART 24 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-08.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
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### 7.6.3 Antenna 3 – EIRP

#### LTE Band 25

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	1850.7	-0.30	1 / 3	25.05	<b>24.75</b>	0.299	33.01	-8.26
		1882.5	-0.30	1 / 0	25.03	24.73	0.297	33.01	-8.28
		1914.3	-0.30	1 / 0	24.96	24.66	0.292	33.01	-8.35
	16-QAM	1914.3	-0.30	1 / 5	24.36	24.06	0.255	33.01	-8.95
	64-QAM	1850.7	-0.30	1 / 3	23.18	22.88	0.194	33.01	-10.13
	256-QAM	1882.5	-0.30	1 / 0	20.20	19.90	0.098	33.01	-13.11
3 MHz	QPSK	1851.5	-0.30	1 / 0	24.84	24.54	0.284	33.01	-8.47
		1882.5	-0.30	1 / 0	24.96	<b>24.66</b>	0.292	33.01	-8.35
		1913.5	-0.30	1 / 0	24.89	24.59	0.288	33.01	-8.42
	16-QAM	1882.5	-0.30	1 / 0	24.46	24.16	0.261	33.01	-8.85
	64-QAM	1851.5	-0.30	1 / 0	23.32	23.02	0.200	33.01	-9.99
	256-QAM	1851.5	-0.30	1 / 0	20.21	19.91	0.098	33.01	-13.10
5 MHz	QPSK	1852.5	-0.30	1 / 0	25.11	24.81	0.303	33.01	-8.20
		1882.5	-0.30	1 / 0	25.13	<b>24.83</b>	0.304	33.01	-8.18
		1912.5	-0.30	1 / 0	25.03	24.73	0.297	33.01	-8.28
	16-QAM	1882.5	-0.30	1 / 0	24.43	24.13	0.259	33.01	-8.88
	64-QAM	1912.5	-0.30	1 / 0	23.27	22.97	0.198	33.01	-10.04
	256-QAM	1882.5	-0.30	1 / 0	20.19	19.89	0.097	33.01	-13.12
10 MHz	QPSK	1855.0	-0.30	1 / 25	24.85	24.55	0.285	33.01	-8.46
		1882.5	-0.30	1 / 49	24.96	<b>24.66</b>	0.292	33.01	-8.35
		1910.0	-0.30	1 / 25	24.95	24.65	0.292	33.01	-8.36
	16-QAM	1910.0	-0.30	1 / 49	24.36	24.06	0.255	33.01	-8.95
	64-QAM	1855.0	-0.30	1 / 0	23.29	22.99	0.199	33.01	-10.02
	256-QAM	1910.0	-0.30	1 / 0	20.34	20.04	0.101	33.01	-12.97
15 MHz	QPSK	1857.5	-0.30	1 / 0	24.82	24.52	0.283	33.01	-8.49
		1882.5	-0.30	1 / 74	24.86	<b>24.56</b>	0.286	33.01	-8.45
		1907.5	-0.30	1 / 0	24.71	24.41	0.276	33.01	-8.60
	16-QAM	1857.5	-0.30	1 / 0	24.08	23.78	0.239	33.01	-9.23
	64-QAM	1857.5	-0.30	1 / 74	23.17	22.87	0.194	33.01	-10.14
	256-QAM	1857.5	-0.30	1 / 74	20.12	19.82	0.096	33.01	-13.19
20 MHz	QPSK	1860.0	-0.30	1 / 0	24.75	24.45	0.279	33.01	-8.56
		1882.5	-0.30	1 / 0	24.56	24.26	0.267	33.01	-8.75
		1905.0	-0.30	1 / 0	24.89	<b>24.59</b>	0.288	33.01	-8.42
	16-QAM	1882.5	-0.30	1 / 0	24.34	24.04	0.254	33.01	-8.97
	64-QAM	1905.0	-0.30	1 / 0	23.36	23.06	0.202	33.01	-9.95
	256-QAM	1860.0	-0.30	1 / 0	20.00	19.70	0.093	33.01	-13.31


Table 7-12. Antenna 3 EIRP Data (LTE Band 25)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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LTE Band 2

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	1850.7	-0.30	1 / 5	25.12	<b>24.82</b>	0.303	33.01	-8.19
		1880.0	-0.30	1 / 0	25.05	24.75	0.299	33.01	-8.26
		1909.3	-0.30	1 / 3	24.98	24.68	0.294	33.01	-8.33
	16-QAM	1909.3	-0.30	1 / 0	24.38	24.08	0.256	33.01	-8.93
	64-QAM	1909.3	-0.30	1 / 3	23.35	23.05	0.202	33.01	-9.96
	256-QAM	1880.0	-0.30	1 / 0	20.18	19.88	0.097	33.01	-13.13
3 MHz	QPSK	1851.5	-0.30	1 / 0	24.85	24.55	0.285	33.01	-8.46
		1880.0	-0.30	1 / 0	25.01	<b>24.71</b>	0.296	33.01	-8.30
		1908.5	-0.30	1 / 0	24.95	24.65	0.292	33.01	-8.36
	16-QAM	1908.5	-0.30	1 / 0	24.41	24.11	0.258	33.01	-8.90
	64-QAM	1851.5	-0.30	1 / 0	23.24	22.94	0.197	33.01	-10.07
	256-QAM	1880.0	-0.30	1 / 0	20.38	20.08	0.102	33.01	-12.93
5 MHz	QPSK	1852.5	-0.30	1 / 0	25.18	<b>24.88</b>	0.308	33.01	-8.13
		1880.0	-0.30	1 / 0	25.13	24.83	0.304	33.01	-8.18
		1907.5	-0.30	1 / 0	24.96	24.66	0.292	33.01	-8.35
	16-QAM	1880.0	-0.30	1 / 0	24.55	24.25	0.266	33.01	-8.76
	64-QAM	1880.0	-0.30	1 / 0	23.28	22.98	0.199	33.01	-10.03
	256-QAM	1880.0	-0.30	1 / 0	20.23	19.93	0.098	33.01	-13.08
10 MHz	QPSK	1855.0	-0.30	1 / 25	24.93	24.63	0.290	33.01	-8.38
		1880.0	-0.30	1 / 0	25.00	<b>24.70</b>	0.295	33.01	-8.31
		1905.0	-0.30	1 / 0	24.98	24.68	0.294	33.01	-8.33
	16-QAM	1905.0	-0.30	1 / 0	24.45	24.15	0.260	33.01	-8.86
	64-QAM	1855.0	-0.30	1 / 0	23.24	22.94	0.197	33.01	-10.07
	256-QAM	1855.0	-0.30	1 / 49	20.21	19.91	0.098	33.01	-13.10
15 MHz	QPSK	1857.5	-0.30	1 / 0	24.92	24.62	0.290	33.01	-8.39
		1880.0	-0.30	1 / 37	24.96	<b>24.66</b>	0.292	33.01	-8.35
		1902.5	-0.30	1 / 0	24.86	24.56	0.286	33.01	-8.45
	16-QAM	1902.5	-0.30	1 / 0	24.25	23.95	0.248	33.01	-9.06
	64-QAM	1857.5	-0.30	1 / 0	23.21	22.91	0.195	33.01	-10.10
	256-QAM	1902.5	-0.30	1 / 74	20.17	19.87	0.097	33.01	-13.14
20 MHz	QPSK	1860.0	-0.30	1 / 0	24.81	24.51	0.282	33.01	-8.50
		1880.0	-0.30	1 / 0	24.59	24.29	0.269	33.01	-8.72
		1900.0	-0.30	1 / 0	24.93	<b>24.63</b>	0.290	33.01	-8.38
	16-QAM	1900.0	-0.30	1 / 0	24.44	24.14	0.259	33.01	-8.87
	64-QAM	1900.0	-0.30	1 / 0	23.34	23.04	0.201	33.01	-9.97
	256-QAM	1900.0	-0.30	1 / 0	20.12	19.82	0.096	33.01	-13.19


Table 7-13. Antenna 3 EIRP Data (LTE Band 2)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 185 of 216

NR Band n25

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	1852.5	-0.30	1 / 1	25.02	24.72	0.296	33.01	-8.29
		1882.5	-0.30	1 / 1	25.02	24.72	0.296	33.01	-8.29
		1912.5	-0.30	1 / 1	25.03	24.73	0.297	33.01	-8.28
	QPSK	1852.5	-0.30	1 / 23	25.08	24.78	0.301	33.01	-8.23
		1882.5	-0.30	1 / 1	25.03	24.73	0.297	33.01	-8.28
		1912.5	-0.30	1 / 12	25.19	<b>24.89</b>	0.308	33.01	-8.12
	16-QAM	1912.5	-0.30	1 / 1	24.66	24.36	0.273	33.01	-8.65
	64-QAM	1882.5	-0.30	1 / 23	23.19	22.89	0.194	33.01	-10.12
256-QAM	1852.5	-0.30	1 / 23	21.03	20.73	0.118	33.01	-12.28	
10 MHz	π/2 BPSK	1855.0	-0.30	1 / 1	24.97	24.67	0.293	33.01	-8.34
		1882.5	-0.30	1 / 1	24.97	24.67	0.293	33.01	-8.35
		1910.0	-0.30	1 / 25	24.99	24.69	0.294	33.01	-8.32
	QPSK	1855.0	-0.30	1 / 50	24.95	24.65	0.292	33.01	-8.36
		1882.5	-0.30	1 / 25	24.93	24.63	0.291	33.01	-8.38
		1910.0	-0.30	1 / 1	25.04	<b>24.74</b>	0.298	33.01	-8.27
	16-QAM	1882.5	-0.30	1 / 25	24.71	24.41	0.276	33.01	-8.60
	64-QAM	1882.5	-0.30	1 / 1	23.30	23.00	0.200	33.01	-10.01
256-QAM	1910.0	-0.30	1 / 50	20.94	20.64	0.116	33.01	-12.37	
15 MHz	π/2 BPSK	1857.5	-0.30	1 / 1	25.14	24.84	0.305	33.01	-8.17
		1882.5	-0.30	1 / 36	25.10	24.80	0.302	33.01	-8.21
		1907.5	-0.30	1 / 36	25.12	24.82	0.303	33.01	-8.19
	QPSK	1857.5	-0.30	1 / 77	25.12	24.82	0.303	33.01	-8.19
		1882.5	-0.30	1 / 1	25.19	<b>24.89</b>	0.308	33.01	-8.12
		1907.5	-0.30	1 / 36	25.08	24.78	0.301	33.01	-8.23
	16-QAM	1882.5	-0.30	1 / 1	24.76	24.46	0.279	33.01	-8.55
	64-QAM	1857.5	-0.30	1 / 77	23.38	23.08	0.203	33.01	-9.93
256-QAM	1882.5	-0.30	1 / 1	21.18	20.88	0.123	33.01	-12.13	
20 MHz	π/2 BPSK	1860.0	-0.30	1 / 104	25.11	24.81	0.302	33.01	-8.21
		1882.5	-0.30	1 / 104	25.08	24.78	0.301	33.01	-8.23
		1905.0	-0.30	1 / 104	25.08	24.78	0.300	33.01	-8.23
	QPSK	1860.0	-0.30	1 / 104	25.09	24.79	0.302	33.01	-8.22
		1882.5	-0.30	1 / 50	25.11	24.81	0.303	33.01	-8.20
		1905.0	-0.30	1 / 104	25.12	<b>24.82</b>	0.303	33.01	-8.19
	16-QAM	1882.5	-0.30	1 / 1	24.89	24.59	0.288	33.01	-8.42
	64-QAM	1882.5	-0.30	1 / 1	23.41	23.11	0.205	33.01	-9.90
256-QAM	1882.5	-0.30	1 / 50	21.26	20.96	0.125	33.01	-12.05	
25 MHz	π/2 BPSK	1862.5	-0.30	1 / 64	25.15	24.85	0.306	33.01	-8.16
		1882.5	-0.30	1 / 131	25.20	<b>24.90</b>	0.309	33.01	-8.11
		1902.5	-0.30	1 / 64	25.16	24.86	0.306	33.01	-8.15
	QPSK	1862.5	-0.30	1 / 131	25.15	24.85	0.305	33.01	-8.16
		1882.5	-0.30	1 / 131	25.20	24.90	0.309	33.01	-8.11
		1902.5	-0.30	1 / 131	25.15	24.85	0.305	33.01	-8.16
	16-QAM	1902.5	-0.30	1 / 64	24.98	24.68	0.294	33.01	-8.33
	64-QAM	1902.5	-0.30	1 / 1	23.31	23.01	0.200	33.01	-10.00
256-QAM	1902.5	-0.30	1 / 131	21.20	20.90	0.123	33.01	-12.11	
30 MHz	π/2 BPSK	1865.0	-0.30	1 / 80	25.17	24.87	0.307	33.01	-8.14
		1882.5	-0.30	1 / 158	25.18	24.88	0.307	33.01	-8.14
		1900.0	-0.30	1 / 158	25.19	24.89	0.308	33.01	-8.12
	QPSK	1865.0	-0.30	1 / 80	25.15	24.85	0.305	33.01	-8.16
		1882.5	-0.30	1 / 158	25.20	<b>24.90</b>	0.309	33.01	-8.11
		1900.0	-0.30	1 / 80	25.19	24.89	0.308	33.01	-8.12
	16-QAM	1882.5	-0.30	1 / 80	24.78	24.48	0.281	33.01	-8.53
	64-QAM	1865.0	-0.30	1 / 80	23.40	23.10	0.204	33.01	-9.91
256-QAM	1865.0	-0.30	1 / 158	21.22	20.92	0.124	33.01	-12.09	
35 MHz	π/2 BPSK	1872.5	-0.30	1 / 93	25.14	24.84	0.305	33.01	-8.17
		1882.5	-0.30	1 / 1	25.12	24.82	0.303	33.01	-8.19
		1897.5	-0.30	1 / 93	25.18	24.88	0.308	33.01	-8.13
	QPSK	1872.5	-0.30	1 / 1	25.07	24.77	0.300	33.01	-8.24
		1882.5	-0.30	1 / 1	25.11	24.81	0.303	33.01	-8.20
		1897.5	-0.30	1 / 1	25.03	24.73	0.297	33.01	-8.28
	16-QAM	1882.5	-0.30	1 / 1	24.66	24.36	0.273	33.01	-8.65
	64-QAM	1897.5	-0.30	1 / 186	23.16	22.86	0.193	33.01	-10.15
256-QAM	1897.5	-0.30	1 / 93	21.26	20.96	0.125	33.01	-12.05	
40 MHz	π/2 BPSK	1870.0	-0.30	1 / 108	25.16	24.86	0.306	33.01	-8.15
		1882.5	-0.30	1 / 108	25.11	24.81	0.303	33.01	-8.20
		1895.0	-0.30	1 / 1	25.20	<b>24.90</b>	0.309	33.01	-8.11
	QPSK	1870.0	-0.30	1 / 108	25.19	24.89	0.308	33.01	-8.12
		1882.5	-0.30	1 / 214	25.20	<b>24.90</b>	0.309	33.01	-8.11
		1895.0	-0.30	1 / 214	25.06	24.76	0.299	33.01	-8.25
	16-QAM	1882.5	-0.30	1 / 1	24.82	24.52	0.283	33.01	-8.49
	64-QAM	1882.5	-0.30	1 / 1	23.37	23.07	0.203	33.01	-9.94
256-QAM	1870.0	-0.30	1 / 214	21.50	21.20	0.132	33.01	-11.81	


Table 7-14. Antenna 3 EIRP Data (NR Band n25)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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NR Band n2

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	1852.5	-0.30	1 / 12	25.17	24.87	0.307	33.01	-8.14
		1880.0	-0.30	1 / 23	25.20	<b>24.90</b>	0.309	33.01	-8.11
		1907.5	-0.30	1 / 23	25.11	24.81	0.303	33.01	-8.20
	QPSK	1852.5	-0.30	1 / 23	25.17	24.87	0.307	33.01	-8.14
		1880.0	-0.30	1 / 1	25.09	24.79	0.301	33.01	-8.22
		1907.5	-0.30	1 / 1	25.05	24.75	0.299	33.01	-8.26
	16-QAM	1852.5	-0.30	1 / 1	24.10	23.80	0.240	33.01	-9.21
64-QAM	1880.0	-0.30	1 / 12	23.17	22.87	0.194	33.01	-10.14	
256-QAM	1907.5	-0.30	1 / 12	20.25	19.95	0.099	33.01	-13.06	
10 MHz	π/2 BPSK	1855.0	-0.30	1 / 50	25.20	<b>24.90</b>	0.309	33.01	-8.11
		1880.0	-0.30	1 / 50	24.90	24.60	0.288	33.01	-8.41
		1905.0	-0.30	1 / 50	24.85	24.55	0.285	33.01	-8.46
	QPSK	1855.0	-0.30	1 / 1	25.13	24.83	0.304	33.01	-8.18
		1880.0	-0.30	1 / 50	24.99	24.69	0.294	33.01	-8.32
		1905.0	-0.30	1 / 25	25.18	24.88	0.308	33.01	-8.13
	16-QAM	1905.0	-0.30	1 / 50	24.18	23.88	0.244	33.01	-9.13
64-QAM	1855.0	-0.30	1 / 1	23.23	22.93	0.196	33.01	-10.08	
256-QAM	1855.0	-0.30	1 / 50	20.13	19.83	0.096	33.01	-13.18	
15 MHz	π/2 BPSK	1857.5	-0.30	1 / 36	25.20	<b>24.90</b>	0.309	33.01	-8.11
		1880.0	-0.30	1 / 36	25.08	24.78	0.301	33.01	-8.23
		1902.5	-0.30	1 / 36	25.17	24.87	0.307	33.01	-8.14
	QPSK	1857.5	-0.30	1 / 1	25.13	24.83	0.304	33.01	-8.18
		1880.0	-0.30	1 / 36	25.19	24.89	0.308	33.01	-8.12
		1902.5	-0.30	1 / 36	25.20	<b>24.90</b>	0.309	33.01	-8.11
	16-QAM	1857.5	-0.30	1 / 36	24.16	23.86	0.243	33.01	-9.15
64-QAM	1902.5	-0.30	1 / 1	23.20	22.90	0.195	33.01	-10.11	
256-QAM	1902.5	-0.30	1 / 36	20.17	19.87	0.097	33.01	-13.14	
20 MHz	π/2 BPSK	1860.0	-0.30	1 / 104	25.15	24.85	0.305	33.01	-8.16
		1880.0	-0.30	1 / 104	25.11	24.81	0.303	33.01	-8.20
		1900.0	-0.30	1 / 104	25.20	<b>24.90</b>	0.309	33.01	-8.11
	QPSK	1860.0	-0.30	1 / 1	25.01	24.71	0.296	33.01	-8.30
		1880.0	-0.30	1 / 104	25.04	24.74	0.298	33.01	-8.27
		1900.0	-0.30	1 / 50	25.18	24.88	0.308	33.01	-8.13
	16-QAM	1880.0	-0.30	1 / 50	24.23	23.93	0.247	33.01	-9.08
64-QAM	1880.0	-0.30	1 / 50	23.18	22.88	0.194	33.01	-10.13	
256-QAM	1860.0	-0.30	1 / 1	20.33	20.03	0.101	33.01	-12.98	


Table 7-15. Antenna 3 EIRP Data (NR Band n2)

FCC ID: BCGA2837		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 187 of 216

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	25.02	-0.30	24.72	0.296	33.01	-8.29
1880.00	WCDMA1900	25.16	-0.30	<b>24.86</b>	<b>0.306</b>	33.01	-8.15
1907.60	WCDMA1900	25.11	-0.30	24.81	0.303	33.01	-8.20

Table 7-16. Antenna 3 EIRP Data (WCDMA PCS)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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## 7.6.4 Antenna 2b – EIRP

### LTE Band 25

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	1850.7	-1.60	1 / 0	22.59	<b>20.99</b>	0.126	33.01	-12.02
		1882.5	-1.60	1 / 0	22.57	20.97	0.125	33.01	-12.04
		1914.3	-1.60	1 / 0	22.56	20.96	0.125	33.01	-12.05
	16-QAM	1882.5	-1.60	1 / 0	21.88	20.28	0.107	33.01	-12.73
	64-QAM	1914.3	-1.60	1 / 0	20.84	19.24	0.084	33.01	-13.77
	256-QAM	1882.5	-1.60	1 / 0	17.76	16.16	0.041	33.01	-16.85
3 MHz	QPSK	1851.5	-1.60	1 / 0	22.38	20.78	0.120	33.01	-12.23
		1882.5	-1.60	1 / 0	22.54	<b>20.94</b>	0.124	33.01	-12.07
		1913.5	-1.60	1 / 0	22.49	20.89	0.123	33.01	-12.12
	16-QAM	1913.5	-1.60	1 / 0	21.93	20.33	0.108	33.01	-12.68
	64-QAM	1851.5	-1.60	1 / 0	20.81	19.21	0.083	33.01	-13.80
	256-QAM	1913.5	-1.60	1 / 0	17.92	16.32	0.043	33.01	-16.69
5 MHz	QPSK	1852.5	-1.60	1 / 0	22.60	21.00	0.126	33.01	-12.01
		1882.5	-1.60	1 / 0	22.62	<b>21.02</b>	0.126	33.01	-11.99
		1912.5	-1.60	1 / 0	22.51	20.91	0.123	33.01	-12.10
	16-QAM	1882.5	-1.60	1 / 24	21.97	20.37	0.109	33.01	-12.64
	64-QAM	1852.5	-1.60	1 / 0	20.86	19.26	0.084	33.01	-13.75
	256-QAM	1912.5	-1.60	1 / 0	17.83	16.23	0.042	33.01	-16.78
10 MHz	QPSK	1855.0	-1.60	1 / 25	22.47	20.87	0.122	33.01	-12.14
		1882.5	-1.60	1 / 0	22.50	<b>20.90</b>	0.123	33.01	-12.11
		1910.0	-1.60	1 / 0	22.50	<b>20.90</b>	0.123	33.01	-12.11
	16-QAM	1910.0	-1.60	1 / 49	22.02	20.42	0.110	33.01	-12.59
	64-QAM	1855.0	-1.60	1 / 0	20.83	19.23	0.084	33.01	-13.78
	256-QAM	1910.0	-1.60	1 / 0	17.82	16.22	0.042	33.01	-16.79
15 MHz	QPSK	1857.5	-1.60	1 / 0	22.50	<b>20.90</b>	0.123	33.01	-12.11
		1882.5	-1.60	1 / 0	22.49	20.89	0.123	33.01	-12.12
		1907.5	-1.60	1 / 0	22.33	20.73	0.118	33.01	-12.28
	16-QAM	1907.5	-1.60	1 / 0	21.80	20.20	0.105	33.01	-12.81
	64-QAM	1857.5	-1.60	1 / 0	20.73	19.13	0.082	33.01	-13.88
	256-QAM	1907.5	-1.60	1 / 74	17.68	16.08	0.041	33.01	-16.93
20 MHz	QPSK	1860.0	-1.60	1 / 0	22.61	<b>21.01</b>	0.126	33.01	-12.00
		1882.5	-1.60	1 / 0	22.39	20.79	0.120	33.01	-12.22
		1905.0	-1.60	1 / 0	22.60	21.00	0.126	33.01	-12.01
	16-QAM	1882.5	-1.60	1 / 0	22.25	20.65	0.116	33.01	-12.36
	64-QAM	1905.0	-1.60	1 / 0	20.91	19.31	0.085	33.01	-13.70
	256-QAM	1860.0	-1.60	1 / 99	17.75	16.15	0.041	33.01	-16.86

Table 7-17. Antenna 2b EIRP Data (LTE Band 25)


FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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LTE Band 2

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	1850.7	-1.60	1 / 3	22.51	<b>20.91</b>	0.123	33.01	-12.10
		1880.0	-1.60	1 / 0	22.48	20.88	0.122	33.01	-12.13
		1909.3	-1.60	1 / 5	22.43	20.83	0.121	33.01	-12.18
	16-QAM	1909.3	-1.60	1 / 3	21.83	20.23	0.105	33.01	-12.78
	64-QAM	1909.3	-1.60	1 / 3	20.80	19.20	0.083	33.01	-13.81
	256-QAM	1850.7	-1.60	1 / 0	17.56	15.96	0.039	33.01	-17.05
3 MHz	QPSK	1851.5	-1.60	1 / 0	22.30	20.70	0.117	33.01	-12.31
		1880.0	-1.60	1 / 0	22.40	20.80	0.120	33.01	-12.21
		1908.5	-1.60	1 / 0	22.41	<b>20.81</b>	0.121	33.01	-12.20
	16-QAM	1908.5	-1.60	1 / 0	21.94	20.34	0.108	33.01	-12.67
	64-QAM	1880.0	-1.60	1 / 0	20.71	19.11	0.081	33.01	-13.90
	256-QAM	1908.5	-1.60	1 / 0	17.75	16.15	0.041	33.01	-16.86
5 MHz	QPSK	1852.5	-1.60	1 / 0	22.64	<b>21.04</b>	0.127	33.01	-11.97
		1880.0	-1.60	1 / 0	22.59	20.99	0.126	33.01	-12.02
		1907.5	-1.60	1 / 0	22.37	20.77	0.119	33.01	-12.24
	16-QAM	1880.0	-1.60	1 / 0	21.90	20.30	0.107	33.01	-12.71
	64-QAM	1907.5	-1.60	1 / 0	20.81	19.21	0.083	33.01	-13.80
	256-QAM	1852.5	-1.60	1 / 12	17.62	16.02	0.040	33.01	-16.99
10 MHz	QPSK	1855.0	-1.60	1 / 25	22.34	20.74	0.119	33.01	-12.27
		1880.0	-1.60	1 / 49	22.40	20.80	0.120	33.01	-12.21
		1905.0	-1.60	1 / 49	22.48	<b>20.88</b>	0.122	33.01	-12.13
	16-QAM	1905.0	-1.60	1 / 25	21.89	20.29	0.107	33.01	-12.72
	64-QAM	1905.0	-1.60	1 / 25	20.68	19.08	0.081	33.01	-13.93
	256-QAM	1905.0	-1.60	1 / 0	17.73	16.13	0.041	33.01	-16.88
15 MHz	QPSK	1857.5	-1.60	1 / 0	22.27	20.67	0.117	33.01	-12.34
		1880.0	-1.60	1 / 37	22.34	<b>20.74</b>	0.119	33.01	-12.27
		1902.5	-1.60	1 / 0	22.18	20.58	0.114	33.01	-12.43
	16-QAM	1902.5	-1.60	1 / 0	21.64	20.04	0.101	33.01	-12.97
	64-QAM	1857.5	-1.60	1 / 74	20.55	18.95	0.079	33.01	-14.06
	256-QAM	1902.5	-1.60	1 / 0	17.63	16.03	0.040	33.01	-16.98
20 MHz	QPSK	1860.0	-1.60	1 / 0	22.23	20.63	0.116	33.01	-12.38
		1880.0	-1.60	1 / 0	22.05	20.45	0.111	33.01	-12.56
		1900.0	-1.60	1 / 0	22.41	<b>20.81</b>	0.121	33.01	-12.20
	16-QAM	1900.0	-1.60	1 / 0	21.95	20.35	0.108	33.01	-12.66
	64-QAM	1880.0	-1.60	1 / 0	20.73	19.13	0.082	33.01	-13.88
	256-QAM	1860.0	-1.60	1 / 99	17.49	15.89	0.039	33.01	-17.12

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


FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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NR Band n25

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	1852.5	-1.60	1 / 1	22.63	21.03	0.127	33.01	-11.98
		1882.5	-1.60	1 / 23	22.68	<b>21.08</b>	0.128	33.01	-11.93
		1912.5	-1.60	1 / 23	22.53	20.93	0.124	33.01	-12.08
	QPSK	1852.5	-1.60	1 / 1	22.64	21.04	0.127	33.01	-11.98
		1882.5	-1.60	1 / 1	22.58	20.98	0.125	33.01	-12.03
		1912.5	-1.60	1 / 12	22.49	20.89	0.123	33.01	-12.12
	16-QAM	1912.5	-1.60	1 / 23	21.68	20.08	0.102	33.01	-12.93
	64-QAM	1852.5	-1.60	1 / 1	20.22	18.62	0.073	33.01	-14.39
	256-QAM	1882.5	-1.60	1 / 1	18.08	16.48	0.044	33.01	-16.53
10 MHz	π/2 BPSK	1855.0	-1.60	1 / 1	22.60	<b>21.00</b>	0.126	33.01	-12.01
		1882.5	-1.60	1 / 1	22.56	20.96	0.125	33.01	-12.05
		1910.0	-1.60	1 / 50	22.51	20.91	0.123	33.01	-12.10
	QPSK	1855.0	-1.60	1 / 1	22.59	20.99	0.126	33.01	-12.02
		1882.5	-1.60	1 / 25	22.54	20.94	0.124	33.01	-12.07
		1910.0	-1.60	1 / 1	22.54	20.94	0.124	33.01	-12.07
	16-QAM	1910.0	-1.60	1 / 25	21.76	20.16	0.104	33.01	-12.85
	64-QAM	1882.5	-1.60	1 / 25	20.21	18.61	0.073	33.01	-14.40
	256-QAM	1882.5	-1.60	1 / 25	18.16	16.56	0.045	33.01	-16.45
15 MHz	π/2 BPSK	1857.5	-1.60	1 / 36	22.70	21.10	0.129	33.01	-11.91
		1882.5	-1.60	1 / 1	22.70	<b>21.10</b>	0.129	33.01	-11.91
		1907.5	-1.60	1 / 1	22.69	21.09	0.128	33.01	-11.92
	QPSK	1857.5	-1.60	1 / 77	22.63	21.03	0.127	33.01	-11.98
		1882.5	-1.60	1 / 1	22.66	21.06	0.128	33.01	-11.95
		1907.5	-1.60	1 / 1	22.64	21.04	0.127	33.01	-11.97
	16-QAM	1882.5	-1.60	1 / 1	21.75	20.15	0.103	33.01	-12.86
	64-QAM	1882.5	-1.60	1 / 1	20.44	18.84	0.077	33.01	-14.17
	256-QAM	1882.5	-1.60	1 / 1	18.29	16.69	0.047	33.01	-16.32
20 MHz	π/2 BPSK	1860.0	-1.60	1 / 104	22.70	21.10	0.129	33.01	-11.91
		1882.5	-1.60	1 / 1	22.69	21.09	0.129	33.01	-11.92
		1905.0	-1.60	1 / 1	22.69	21.09	0.129	33.01	-11.92
	QPSK	1860.0	-1.60	1 / 104	22.70	<b>21.10</b>	0.129	33.01	-11.91
		1882.5	-1.60	1 / 1	22.67	21.07	0.128	33.01	-11.94
		1905.0	-1.60	1 / 1	22.69	21.09	0.128	33.01	-11.92
	16-QAM	1860.0	-1.60	1 / 104	21.96	20.36	0.109	33.01	-12.65
	64-QAM	1905.0	-1.60	1 / 50	20.19	18.59	0.072	33.01	-14.42
	256-QAM	1860.0	-1.60	1 / 104	18.29	16.69	0.047	33.01	-16.33
25 MHz	π/2 BPSK	1862.5	-1.60	1 / 131	22.70	21.10	0.129	33.01	-11.91
		1882.5	-1.60	1 / 64	22.65	21.05	0.127	33.01	-11.96
		1902.5	-1.60	1 / 131	22.68	21.08	0.128	33.01	-11.93
	QPSK	1862.5	-1.60	1 / 64	22.68	21.08	0.128	33.01	-11.93
		1882.5	-1.60	1 / 131	22.70	<b>21.10</b>	0.129	33.01	-11.91
		1902.5	-1.60	1 / 1	22.70	21.10	0.129	33.01	-11.91
	16-QAM	1862.5	-1.60	1 / 64	21.81	20.21	0.105	33.01	-12.80
	64-QAM	1882.5	-1.60	1 / 1	20.38	18.78	0.076	33.01	-14.23
	256-QAM	1862.5	-1.60	1 / 131	18.23	16.63	0.046	33.01	-16.38
30 MHz	π/2 BPSK	1865.0	-1.60	1 / 158	22.64	21.04	0.127	33.01	-11.97
		1882.5	-1.60	1 / 1	22.70	<b>21.10</b>	0.129	33.01	-11.91
		1900.0	-1.60	1 / 80	22.65	21.05	0.127	33.01	-11.96
	QPSK	1865.0	-1.60	1 / 1	22.70	21.10	0.129	33.01	-11.91
		1882.5	-1.60	1 / 1	22.68	21.08	0.128	33.01	-11.93
		1900.0	-1.60	1 / 1	22.67	21.07	0.128	33.01	-11.94
	16-QAM	1865.0	-1.60	1 / 1	21.91	20.31	0.108	33.01	-12.70
	64-QAM	1865.0	-1.60	1 / 1	20.39	18.79	0.076	33.01	-14.22
	256-QAM	1865.0	-1.60	1 / 1	18.37	16.77	0.048	33.01	-16.24
35 MHz	π/2 BPSK	1872.5	-1.60	1 / 93	22.64	21.04	0.127	33.01	-11.97
		1882.5	-1.60	1 / 93	22.60	21.00	0.126	33.01	-12.01
		1897.5	-1.60	1 / 93	22.60	21.00	0.126	33.01	-12.01
	QPSK	1872.5	-1.60	1 / 1	22.60	21.00	0.126	33.01	-12.01
		1882.5	-1.60	1 / 1	22.62	21.02	0.126	33.01	-12.00
		1897.5	-1.60	1 / 1	22.67	21.07	0.128	33.01	-11.94
	16-QAM	1872.5	-1.60	1 / 1	21.87	20.27	0.106	33.01	-12.74
	64-QAM	1872.5	-1.60	1 / 186	20.42	18.82	0.076	33.01	-14.19
	256-QAM	1872.5	-1.60	1 / 93	18.29	16.69	0.047	33.01	-16.32
40 MHz	π/2 BPSK	1870.0	-1.60	1 / 1	22.67	21.07	0.128	33.01	-11.94
		1882.5	-1.60	1 / 108	22.70	<b>21.10</b>	0.129	33.01	-11.91
		1895.0	-1.60	1 / 214	22.60	21.00	0.126	33.01	-12.01
	QPSK	1870.0	-1.60	1 / 108	22.69	21.09	0.129	33.01	-11.92
		1882.5	-1.60	1 / 108	22.68	21.08	0.128	33.01	-11.93
		1895.0	-1.60	1 / 214	22.62	21.02	0.126	33.01	-11.99
	16-QAM	1870.0	-1.60	1 / 214	21.95	20.35	0.108	33.01	-12.66
	64-QAM	1870.0	-1.60	1 / 108	20.27	18.67	0.074	33.01	-14.34
	256-QAM	1895.0	-1.60	1 / 214	18.39	16.79	0.048	33.01	-16.22


Table 7-19. Antenna 2b EIRP Data (NR Band n25)

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NR Band n2

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	1852.5	-1.60	1 / 1	22.50	20.90	0.123	33.01	-12.11
		1880.0	-1.60	1 / 1	22.48	20.88	0.122	33.01	-12.13
		1907.5	-1.60	1 / 12	22.44	20.84	0.121	33.01	-12.17
	QPSK	1852.5	-1.60	1 / 12	22.43	20.83	0.121	33.01	-12.18
		1880.0	-1.60	1 / 1	22.55	<b>20.95</b>	0.124	33.01	-12.06
		1907.5	-1.60	1 / 1	22.40	20.80	0.120	33.01	-12.21
	16-QAM	1880.0	-1.60	1 / 23	21.59	19.99	0.100	33.01	-13.02
64-QAM	1852.5	-1.60	1 / 1	20.13	18.53	0.071	33.01	-14.48	
256-QAM	1852.5	-1.60	1 / 12	18.08	16.48	0.044	33.01	-16.53	
10 MHz	π/2 BPSK	1855.0	-1.60	1 / 1	22.11	20.51	0.113	33.01	-12.50
		1880.0	-1.60	1 / 1	22.09	20.49	0.112	33.01	-12.52
		1905.0	-1.60	1 / 25	22.06	20.46	0.111	33.01	-12.55
	QPSK	1855.0	-1.60	1 / 1	22.05	20.45	0.111	33.01	-12.56
		1880.0	-1.60	1 / 25	22.29	<b>20.69</b>	0.117	33.01	-12.32
		1905.0	-1.60	1 / 25	22.04	20.44	0.111	33.01	-12.57
	16-QAM	1855.0	-1.60	1 / 25	21.20	19.60	0.091	33.01	-13.41
64-QAM	1855.0	-1.60	1 / 25	19.78	18.18	0.066	33.01	-14.83	
256-QAM	1855.0	-1.60	1 / 25	17.60	16.00	0.040	33.01	-17.01	
15 MHz	π/2 BPSK	1857.5	-1.60	1 / 1	22.20	20.60	0.115	33.01	-12.41
		1880.0	-1.60	1 / 36	22.29	20.69	0.117	33.01	-12.32
		1902.5	-1.60	1 / 1	22.20	20.60	0.115	33.01	-12.41
	QPSK	1857.5	-1.60	1 / 36	22.30	<b>20.70</b>	0.117	33.01	-12.31
		1880.0	-1.60	1 / 1	22.29	20.69	0.117	33.01	-12.32
		1902.5	-1.60	1 / 1	22.16	20.56	0.114	33.01	-12.45
	16-QAM	1857.5	-1.60	1 / 36	21.33	19.73	0.094	33.01	-13.28
64-QAM	1880.0	-1.60	1 / 77	19.83	18.23	0.067	33.01	-14.78	
256-QAM	1857.5	-1.60	1 / 77	17.81	16.21	0.042	33.01	-16.80	
20 MHz	π/2 BPSK	1860.0	-1.60	1 / 50	22.18	20.58	0.114	33.01	-12.43
		1880.0	-1.60	1 / 50	22.23	<b>20.63</b>	0.116	33.01	-12.38
		1900.0	-1.60	1 / 1	22.18	20.58	0.114	33.01	-12.43
	QPSK	1860.0	-1.60	1 / 50	22.15	20.55	0.113	33.01	-12.46
		1880.0	-1.60	1 / 104	22.13	20.53	0.113	33.01	-12.48
		1900.0	-1.60	1 / 1	22.16	20.56	0.114	33.01	-12.45
	16-QAM	1880.0	-1.60	1 / 104	21.30	19.70	0.093	33.01	-13.31
64-QAM	1860.0	-1.60	1 / 104	19.75	18.15	0.065	33.01	-14.86	
256-QAM	1880.0	-1.60	1 / 1	17.84	16.24	0.042	33.01	-16.77	


Table 7-20. Antenna 2b EIRP Data (NR Band n2)

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WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	22.42	-1.60	20.82	0.121	33.01	-12.19
1880.00	WCDMA1900	22.61	-1.60	<b>21.01</b>	<b>0.126</b>	33.01	-12.00
1907.60	WCDMA1900	22.54	-1.60	20.94	0.124	33.01	-12.07

Table 7-21. Antenna 2b EIRP Data (WCDMA PCS)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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## 7.7 Radiated Spurious Emissions

§2.1053, 24.238(a)

### 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 tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

### Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

### Test Settings

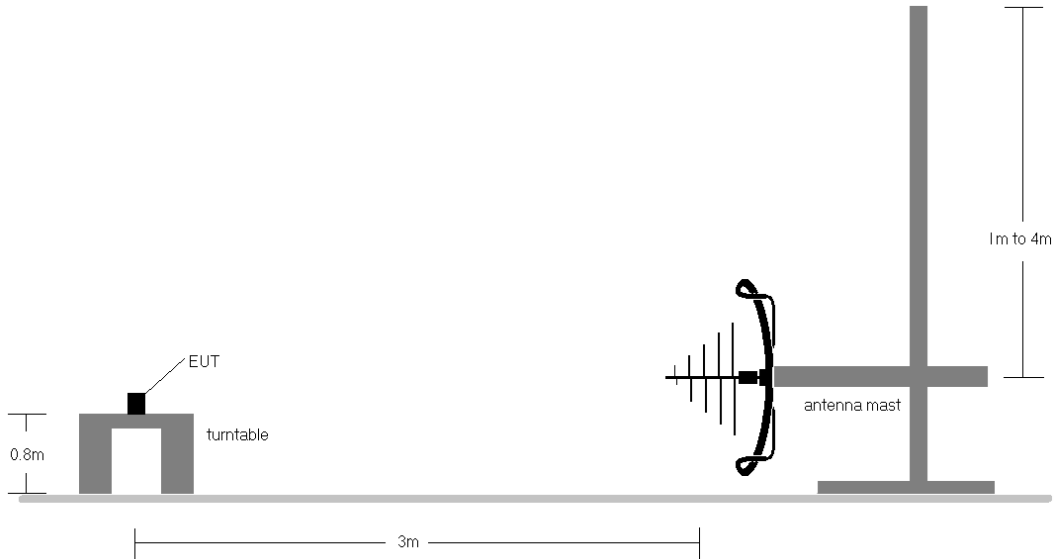
1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW  $\geq 3 \times$  RBW
3. Span = 1.5 times the OBW
4. No. of sweep points  $\geq 2 \times$  span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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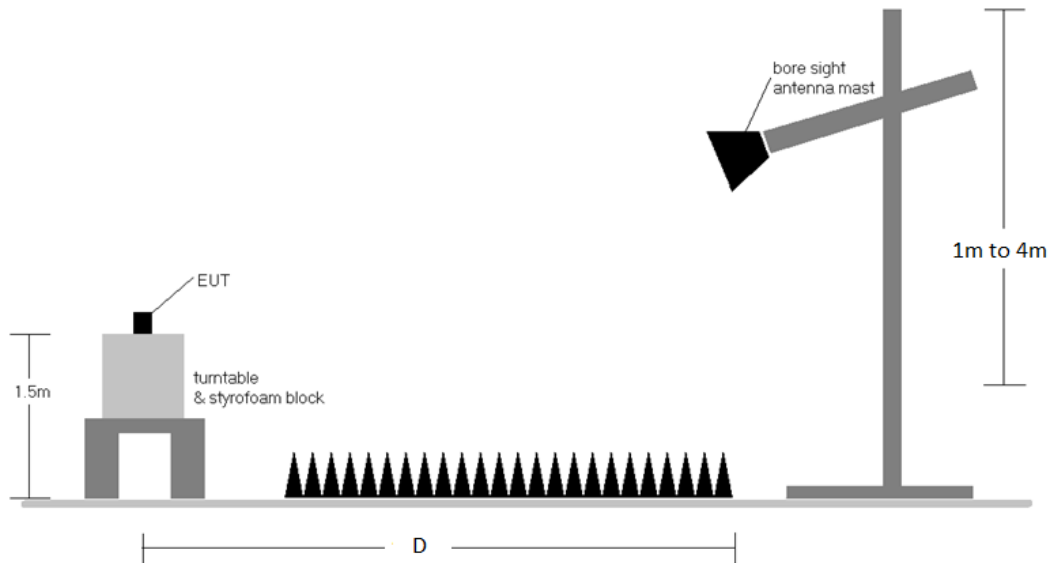
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**Test Setup**


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 >1 GHz**

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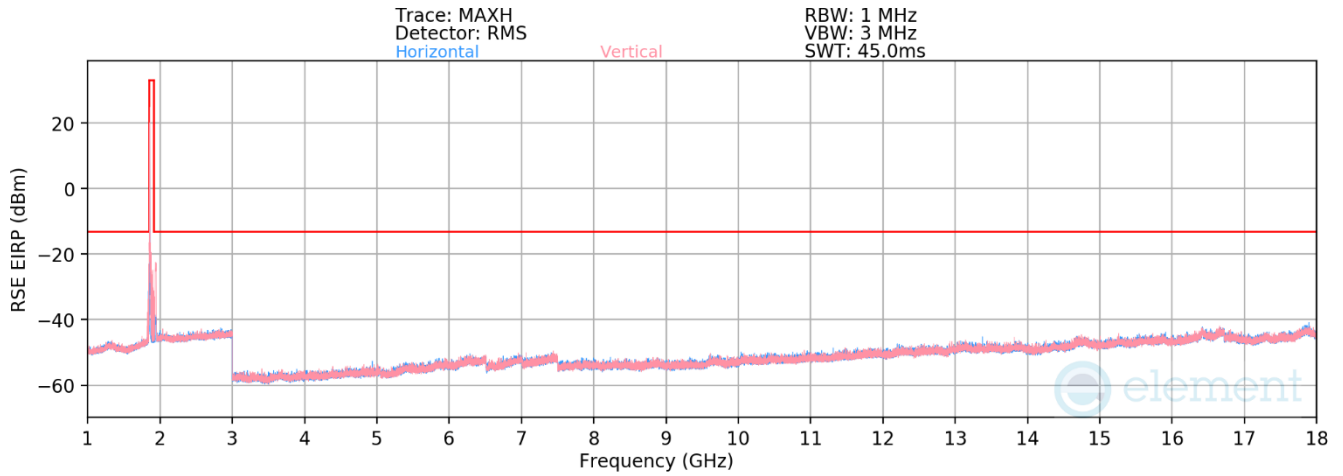
**Test Notes**

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. 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".
3. 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.
4. This unit was tested with its standard battery.
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. No significant emissions were found for below 1GHz and Above 18GHz measurement.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. 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.
10. 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.
11. NR band n25 overlaps the entire frequency range of NR band 2. Therefore, the radiated emissions data of NR band n25 provided in this report covers NR band n2.


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## 7.7.1 Antenna 4b – Radiated Spurious Emission Measurement

### LTE Band 25/2



**Plot 7-302. Radiated Spurious Plot (LTE Band 25/2)**

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<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1860.0
<b>RB / Offset:</b>	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]
3720.0	H	-	-	-78.08	2.98	31.90	-63.35	-13.00	-50.35
5580.0	H	-	-	-78.63	5.50	33.87	-61.39	-13.00	-48.39
7440.0	H	-	-	-79.19	9.03	36.84	-58.42	-13.00	-45.42

**Table 7-22. Antenna 4b Radiated Spurious Data (LTE Band 25/2 – Low Channel)**

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1882.5
<b>RB / Offset:</b>	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]
3765.0	H	-	-	-77.84	2.59	31.74	-63.51	-13.00	-50.51
5647.5	H	-	-	-78.43	5.44	34.01	-61.24	-13.00	-48.24
7530.0	H	-	-	-80.30	8.50	35.20	-60.06	-13.00	-47.06

**Table 7-23. Antenna 4b Radiated Spurious Data (LTE Band 25/2 – Mid Channel)**

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1905.0
<b>RB / Offset:</b>	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]
3810.00	H	-	-	-77.35	1.94	31.59	-63.67	-13.00	-50.67
5715.00	H	-	-	-79.06	5.85	33.79	-61.47	-13.00	-48.47
7620.00	H	-	-	-80.60	8.74	35.14	-60.11	-13.00	-47.11

**Table 7-24. Antenna 4b Radiated Spurious Data (LTE Band 25/2 – High Channel)**

<b>FCC ID:</b> BCGA2837	 <b>PART 24 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
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## NR Band n25/2

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1870.0
<b>RB / Offset:</b>	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]
3740.0	H	-	-	-77.30	3.97	33.67	-61.59	-13.00	-48.59
5610.0	H	-	-	-78.62	7.63	36.01	-59.25	-13.00	-46.25
7480.0	H	-	-	-79.48	9.93	37.45	-57.81	-13.00	-44.81

**Table 7-25. Antenna 4b Radiated Spurious Data (NR Band n25/2 – Low Channel)**

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1882.5
<b>RB / Offset:</b>	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]
3765.0	H	-	-	-77.06	4.08	34.01	-61.24	-13.00	-48.24
5647.5	H	-	-	-78.28	7.45	36.17	-59.09	-13.00	-46.09
7530.0	H	-	-	-79.07	10.04	37.97	-57.29	-13.00	-44.29

**Table 7-26. Antenna 4b Radiated Spurious Data (NR Band n25/2 – Mid Channel)**

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1895.0
<b>RB / Offset:</b>	1 / 108

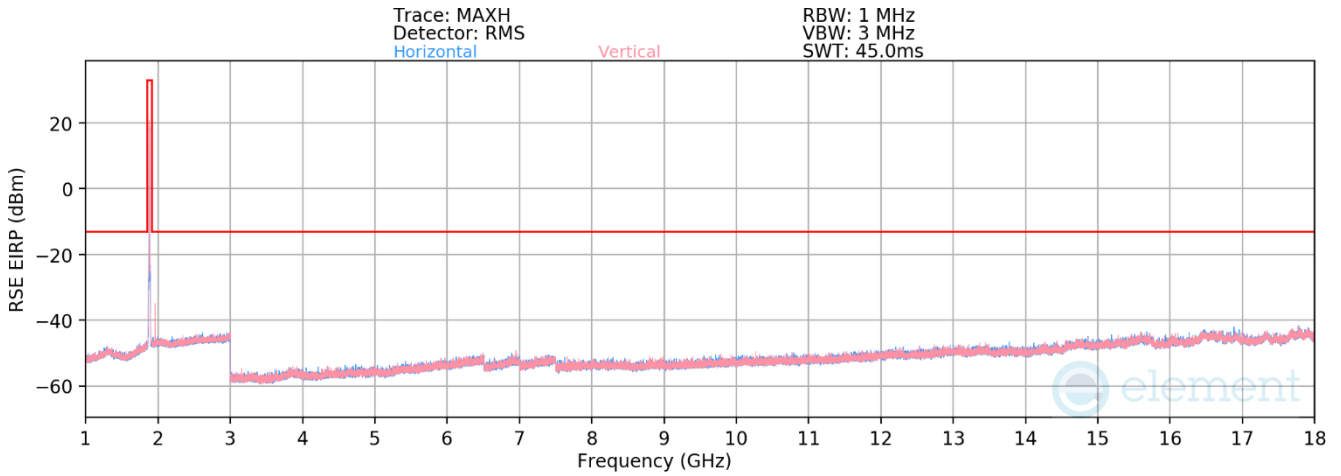
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	H	-	-	-77.08	4.25	34.17	-61.09	-13.00	-48.09
5685.0	H	-	-	-78.57	7.89	36.32	-58.94	-13.00	-45.94
7580.0	H	-	-	-79.12	10.43	38.31	-56.94	-13.00	-43.94

**Table 7-27. Antenna 4b Radiated Spurious Data (NR Band n25/2 – High Channel)**


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### WCDMA PCS



**Plot 7-303. Radiated Spurious Plot (WCDMA PCS)**

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Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

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]
3704.8	H	-	-	-77.04	2.19	32.15	-63.11	-13.00	-50.11
5557.2	H	-	-	-78.25	4.91	33.66	-61.60	-13.00	-48.60
7409.6	H	-	-	-78.30	7.38	36.08	-59.18	-13.00	-46.18

**Table 7-28. Antenna 4b Radiated Spurious Data (WCDMA PCS – Low Channel)**

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-76.62	2.11	32.49	-62.77	-13.00	-49.77
5640.0	H	-	-	-78.33	5.02	33.69	-61.57	-13.00	-48.57
7520.0	H	-	-	-79.29	7.40	35.11	-60.15	-13.00	-47.15

**Table 7-29. Antenna 4b Radiated Spurious Data (WCDMA PCS – Mid Channel)**

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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]
3815.2	H	-	-	-76.71	2.49	32.77	-62.48	-13.00	-49.48
5722.8	H	-	-	-78.40	5.38	33.99	-61.27	-13.00	-48.27
7630.4	H	-	-	-81.96	8.72	33.76	-61.50	-13.00	-48.50

**Table 7-30. Antenna 4b Radiated Spurious Data (WCDMA PCS – High Channel)**

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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## 7.7.2 Antenna 1 – Radiated Spurious Emission Measurement

### LTE Band 25/2

Bandwidth (MHz):	20
Frequency (MHz):	1860.0
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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	-	-	-78.07	2.98	31.91	-63.35	-13.00	-50.35
5580.0	H	-	-	-78.83	5.50	33.67	-61.59	-13.00	-48.59
7440.0	H	-	-	-79.19	8.91	36.71	-58.54	-13.00	-45.54

Table 7-31. Antenna 1 Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	-	-	-77.77	2.53	31.76	-63.50	-13.00	-50.50
5647.5	H	-	-	-78.73	5.44	33.71	-61.55	-13.00	-48.55
7530.0	H	-	-	-80.56	8.50	34.94	-60.32	-13.00	-47.32

Table 7-32. Antenna 1 Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1905.0
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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	-	-	-77.18	1.94	31.76	-63.50	-13.00	-50.50
5715.00	H	-	-	-79.06	5.85	33.79	-61.47	-13.00	-48.47
7620.00	H	-	-	-80.41	8.90	35.48	-59.77	-13.00	-46.77

Table 7-33. Antenna 1 Radiated Spurious Data (LTE Band 25/2 – High Channel)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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## NR Band n25/2

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1870.0
<b>RB / Offset:</b>	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]
3740.0	H	-	-	-77.33	4.05	33.72	-61.54	-13.00	-48.54
5610.0	H	-	-	-78.60	7.53	35.93	-59.32	-13.00	-46.32
7480.0	H	-	-	-79.34	9.93	37.59	-57.67	-13.00	-44.67

**Table 7-34. Antenna 1 Radiated Spurious Data (NR Band n25/2 – Low Channel)**

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1882.5
<b>RB / Offset:</b>	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]
3765.0	H	-	-	-77.01	4.08	34.07	-61.19	-13.00	-48.19
5647.5	H	-	-	-78.50	7.82	36.32	-58.93	-13.00	-45.93
7530.0	H	-	-	-78.88	10.04	38.16	-57.09	-13.00	-44.09

**Table 7-35. Antenna 1 Radiated Spurious Data (NR Band n25/2 – Mid Channel)**

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1895.0
<b>RB / Offset:</b>	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]
3790.0	H	-	-	-76.88	4.10	34.22	-61.04	-13.00	-48.04
5685.0	H	-	-	-78.44	7.82	36.39	-58.87	-13.00	-45.87
7580.0	H	-	-	-78.92	10.26	38.34	-56.91	-13.00	-43.91

**Table 7-36. Antenna 1 Radiated Spurious Data (NR Band n25/2 – High Channel)**

<b>FCC ID:</b> BCGA2837	 <b>PART 24 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-08.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
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## WCDMA PCS

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-78.81	3.81	32.00	-63.26	-13.00	-50.26
5557.2	H	-	-	-79.31	5.97	33.65	-61.60	-13.00	-48.60
7409.6	H	-	-	-79.00	8.39	36.38	-58.87	-13.00	-45.87

**Table 7-37. Antenna 1 Radiated Spurious Data (WCDMA PCS – Low Channel)**

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-76.92	3.42	33.50	-61.76	-13.00	-48.76
5640.0	H	-	-	-79.33	5.90	33.57	-61.68	-13.00	-48.68
7520.0	H	-	-	-80.34	8.29	34.95	-60.31	-13.00	-47.31

**Table 7-38. Antenna 1 Radiated Spurious Data (WCDMA PCS – Mid Channel)**

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-78.06	3.30	32.24	-63.01	-13.00	-50.01
5722.8	H	-	-	-80.77	8.53	34.76	-60.49	-13.00	-47.49
7630.4	H	-	-	-80.26	8.23	34.97	-60.28	-13.00	-47.28

**Table 7-39. Antenna 1 Radiated Spurious Data (WCDMA PCS – High Channel)**

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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### 7.7.3 Antenna 3 – Radiated Spurious Emission Measurement

#### LTE Band 25/2

Bandwidth (MHz):	20
Frequency (MHz):	1860.0
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]
3720.0	H	-	-	-78.11	2.98	31.87	-63.38	-13.00	-50.38
5580.0	H	-	-	-78.74	5.50	33.75	-61.50	-13.00	-48.50
7440.0	H	-	-	-79.16	8.91	36.75	-58.51	-13.00	-45.51

Table 7-40. Antenna 3 Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
3765.0	H	-	-	-77.88	2.59	31.71	-63.55	-13.00	-50.55
5647.5	H	-	-	-78.80	5.44	33.64	-61.62	-13.00	-48.62
7530.0	H	-	-	-80.11	8.50	35.39	-59.87	-13.00	-46.87

Table 7-41. Antenna 3 Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

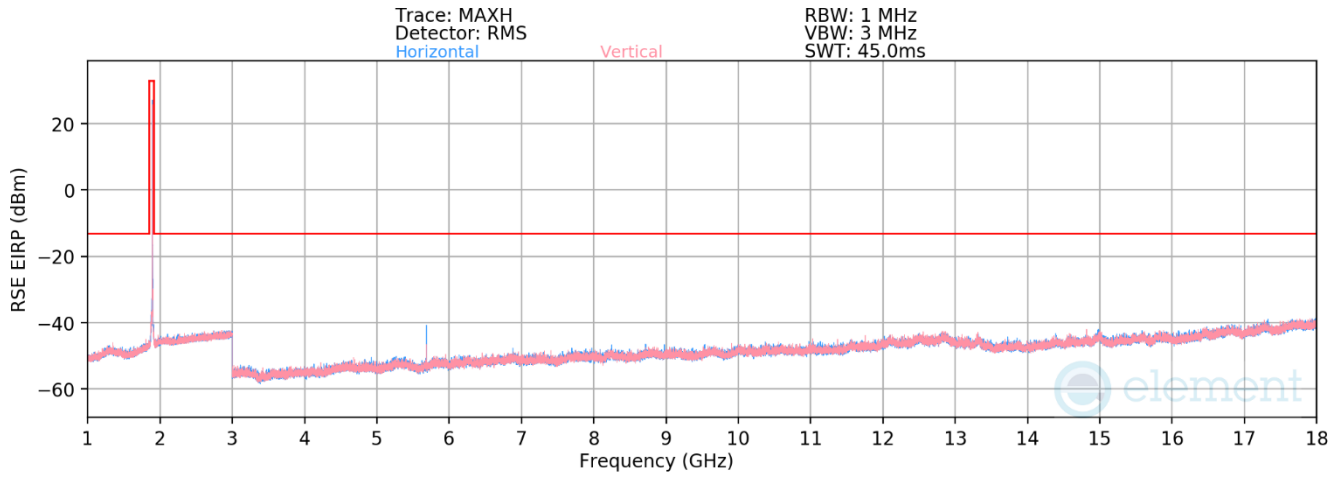
Bandwidth (MHz):	20
Frequency (MHz):	1905.0
RB / Offset:	1 / 50

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]
3810.00	H	-	-	-77.27	1.94	31.67	-63.59	-13.00	-50.59
5715.00	H	-	-	-78.97	5.85	33.88	-61.38	-13.00	-48.38
7620.00	H	-	-	-80.73	8.90	35.16	-60.09	-13.00	-47.09


Table 7-42. Antenna 3 Radiated Spurious Data (LTE Band 25/2 – High Channel)

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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## NR Band n25/2



**Plot 7-304. Radiated Spurious Plot (NR Band n25/2)**

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1870.0
<b>RB / Offset:</b>	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]
3740.0	H	-	-	-77.11	3.97	33.86	-61.40	-13.00	-48.40
5610.0	H	273	178	-70.32	7.53	44.22	-51.04	-13.00	-38.04
7480.0	H	-	-	-79.30	9.93	37.63	-57.63	-13.00	-44.63
9350.0	H	-	-	-78.49	10.93	39.44	-55.82	-13.00	-42.82
11220.0	H	-	-	-78.85	13.05	41.21	-54.05	-13.00	-41.05

**Table 7-43. Antenna 3 Radiated Spurious Data (NR Band n25/2 – Low Channel)**

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1882.5
<b>RB / Offset:</b>	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]
3765.0	H	-	-	-77.05	4.08	34.02	-61.23	-13.00	-48.23
5647.5	H	259	236	-69.17	7.43	45.27	-49.99	-13.00	-36.99
7530.0	H	-	-	-79.02	10.04	38.02	-57.24	-13.00	-44.24
9412.5	H	-	-	-78.58	10.98	39.40	-55.85	-13.00	-42.85
11295.0	H	-	-	-78.77	13.36	41.59	-53.67	-13.00	-40.67

**Table 7-44. Antenna 3 Radiated Spurious Data (NR Band n25/2 – Mid Channel)**

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1895.0
<b>RB / Offset:</b>	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]
3790.0	H	-	-	-76.93	4.25	34.31	-60.94	-13.00	-47.94
5685.0	H	263	193	-68.08	7.89	46.80	-48.45	-13.00	-35.45
7580.0	H	-	-	-78.85	10.26	38.41	-56.85	-13.00	-43.85
9475.0	H	-	-	-78.48	11.19	39.71	-55.54	-13.00	-42.54
11370.0	H	-	-	-79.39	13.52	41.13	-54.13	-13.00	-41.13

**Table 7-45. Antenna 3 Radiated Spurious Data (NR Band n25/2 – High Channel)**

<b>FCC ID:</b> BCGA2837	 <b>PART 24 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-08.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
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## WCDMA PCS

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

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]
3704.8	H	-	-	-77.78	3.07	32.29	-62.97	-13.00	-49.97
5557.2	H	-	-	-79.36	5.94	33.57	-61.68	-13.00	-48.68
7409.6	H	-	-	-79.40	9.03	36.63	-58.63	-13.00	-45.63

**Table 7-46. Antenna 3 Radiated Spurious Data (WCDMA PCS – Low Channel)**

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-77.45	2.29	31.84	-63.42	-13.00	-50.42
5640.0	H	-	-	-78.67	5.43	33.76	-61.50	-13.00	-48.50
7520.0	H	-	-	-80.65	8.50	34.85	-60.40	-13.00	-47.40

**Table 7-47. Antenna 3 Radiated Spurious Data (WCDMA PCS – Mid Channel)**

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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]
3815.2	H	-	-	-77.29	1.94	31.64	-63.61	-13.00	-50.61
5722.8	H	-	-	-77.33	2.05	31.73	-63.53	-13.00	-50.53
7630.4	H	-	-	-78.90	6.06	34.17	-61.09	-13.00	-48.09

**Table 7-48. Antenna 3 Radiated Spurious Data (WCDMA PCS – High Channel)**

FCC ID: BCGA2837	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-08.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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## 7.7.4 Antenna 2b – Radiated Spurious Emission Measurement

### LTE Band 25/2

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1860.0
<b>RB / Offset:</b>	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]
3720.0	H	-	-	-78.03	2.98	31.95	-63.31	-13.00	-50.31
5580.0	H	-	-	-78.77	5.50	33.73	-61.53	-13.00	-48.53
7440.0	H	-	-	-79.21	8.91	36.70	-58.55	-13.00	-45.55

**Table 7-49. Antenna 2b Radiated Spurious Data (LTE Band 25/2 – Low Channel)**

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1882.5
<b>RB / Offset:</b>	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]
3765.0	H	-	-	-77.72	2.53	31.81	-63.45	-13.00	-50.45
5647.5	H	-	-	-78.60	5.44	33.84	-61.42	-13.00	-48.42
7530.0	H	-	-	-80.39	8.50	35.11	-60.15	-13.00	-47.15

**Table 7-50. Antenna 2b Radiated Spurious Data (LTE Band 25/2 – Mid Channel)**

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1905.0
<b>RB / Offset:</b>	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]
3810.00	H	-	-	-77.37	1.94	31.57	-63.69	-13.00	-50.69
5715.00	H	-	-	-78.97	5.85	33.88	-61.38	-13.00	-48.38
7620.00	H	-	-	-80.60	8.90	35.30	-59.96	-13.00	-46.96

**Table 7-51. Antenna 2b Radiated Spurious Data (LTE Band 25/2 – High Channel)**

<b>FCC ID:</b> BCGA2837	 <b>PART 24 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-08.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
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## NR Band n25/2

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1870.0
<b>RB / Offset:</b>	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	H	-	-	-77.30	4.05	33.75	-61.51	-13.00	-48.51
5610.0	H	-	-	-78.53	7.63	36.10	-59.16	-13.00	-46.16
7480.0	H	-	-	-79.34	9.93	37.59	-57.67	-13.00	-44.67

**Table 7-52. Antenna 2b Radiated Spurious Data (NR Band n25/2 – Low Channel)**

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1882.5
<b>RB / Offset:</b>	1 / 108


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	-	-	-77.06	4.08	34.01	-61.24	-13.00	-48.24
5647.5	H	-	-	-78.20	7.45	36.25	-59.01	-13.00	-46.01
7530.0	H	-	-	-78.90	10.04	38.14	-57.12	-13.00	-44.12

**Table 7-53. Antenna 2b Radiated Spurious Data (NR Band n25/2 – Mid Channel)**

<b>Bandwidth (MHz):</b>	40
<b>Frequency (MHz):</b>	1895.0
<b>RB / Offset:</b>	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	H	-	-	-76.83	4.10	34.27	-60.99	-13.00	-47.99
5685.0	H	-	-	-78.44	7.89	36.45	-58.81	-13.00	-45.81
7580.0	H	-	-	-79.08	10.26	38.19	-57.07	-13.00	-44.07

**Table 7-54. Antenna 2b Radiated Spurious Data (NR Band n25/2 – High Channel)**

<b>FCC ID:</b> BCGA2837	 <b>PART 24 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-08.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
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## WCDMA PCS

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-76.16	0.29	31.13	-64.13	-13.00	-51.13
5557.2	H	-	-	-77.50	3.26	32.76	-62.50	-13.00	-49.50
7409.6	H	-	-	-77.76	5.04	34.27	-60.98	-13.00	-47.98

**Table 7-55. Antenna 2b Radiated Spurious Data (WCDMA PCS – Low Channel)**

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-76.21	0.12	30.91	-64.34	-13.00	-51.34
5640.0	H	-	-	-77.71	3.33	32.62	-62.64	-13.00	-49.64
7520.0	H	-	-	-77.72	5.03	34.31	-60.95	-13.00	-47.95

**Table 7-56. Antenna 2b Radiated Spurious Data (WCDMA PCS – Mid Channel)**

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-76.10	0.12	31.02	-64.23	-13.00	-51.23
5722.8	H	-	-	-78.08	3.70	32.62	-62.64	-13.00	-49.64
7630.4	H	-	-	-78.26	4.79	33.52	-61.73	-13.00	-48.73

**Table 7-57. Antenna 2b Radiated Spurious Data (WCDMA PCS – High Channel)**

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## 7.8 Frequency Stability / Temperature Variation

§2.1055, §24.235

### 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 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.***

### Test Procedure Used

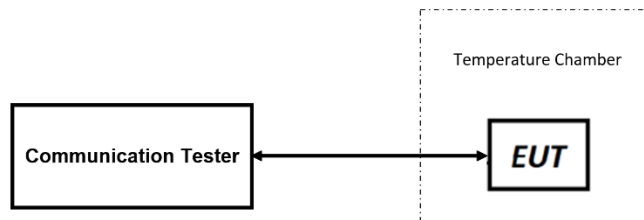
ANSI C63.26-2015

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

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### Frequency Stability / Temperature Variation

<b>LTE B25/2</b>				
Operating Band Lower Boundary (GHz)			1.850	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.85008080	-0.00008080
		- 20	1.85025728	-0.00025728
		- 10	1.85024580	-0.00024580
		0	1.85066463	-0.00066463
		+ 10	1.85057180	-0.00057180
		+ 20 (Ref)	1.85050294	-0.00050294
		+ 30	1.85090092	-0.00090092
		+ 40	1.85030699	-0.00030699
Battery Endpoint	3.40	+ 20	1.85043497	-0.00043497

Table 7-58. LTE Band 25/2 Lower Boundary Frequency Stability Data

<b>LTE B25/2</b>				
Operating Band Upper Boundary (GHz)			1.915	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.91400495	-0.00099505
		- 20	1.91469733	-0.00030267
		- 10	1.91419599	-0.00080401
		0	1.91466088	-0.00033912
		+ 10	1.91408423	-0.00091577
		+ 20 (Ref)	1.91482104	-0.00017896
		+ 30	1.91412523	-0.00087477
		+ 40	1.91442754	-0.00057246
Battery Endpoint	3.40	+ 20	1.91499988	-0.00000012

Table 7-59. LTE Band 25/2 Upper Boundary Frequency Stability Data

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NR Band n25/2

NR Band n25/2				
		Operating Band Lower Boundary (GHz)	1.850	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.85097672	-0.00097672
		- 20	1.85067041	-0.00067041
		- 10	1.85017960	-0.00017960
		0	1.85008943	-0.00008943
		+ 10	1.85083188	-0.00083188
		+ 20 (Ref)	1.85056714	-0.00056714
		+ 30	1.85092767	-0.00092767
		+ 40	1.85069380	-0.00069380
Battery Endpoint	3.40	+ 20	1.85057553	-0.00057553

Table 7-60. NR Band n25/2 Lower Boundary Frequency Stability Data

NR Band n25/2				
		Operating Band Upper Boundary (GHz)	1.915	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.91415780	-0.00084220
		- 20	1.91480528	-0.00019472
		- 10	1.91426331	-0.00073669
		0	1.91401371	-0.00098629
		+ 10	1.91486184	-0.00013816
		+ 20 (Ref)	1.91486926	-0.00013074
		+ 30	1.91420913	-0.00079087
		+ 40	1.91472962	-0.00027038
Battery Endpoint	3.40	+ 20	1.91441194	-0.00058806

Table 7-61. NR Band n25/2 Upper Boundary Frequency Stability Data

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**WCDMA PCS**

<b>WCDMA PCS</b>				
Operating Band Lower Boundary (GHz)			1.850	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.85051949	-0.00051949
		- 20	1.85077115	-0.00077115
		- 10	1.85011577	-0.00011577
		0	1.85057672	-0.00057672
		+ 10	1.85019686	-0.00019686
		+ 20 (Ref)	1.85037525	-0.00037525
		+ 30	1.85045316	-0.00045316
		+ 40	1.85013178	-0.00013178
		+ 50	1.85075221	-0.00075221
Battery Endpoint	3.40	+ 20	1.85012092	-0.00012092

**Table 7-62. WCDMA PCS Lower Boundary Frequency Stability Data**


<b>WCDMA PCS</b>				
Operating Band Upper Boundary (GHz)			1.910	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.90907723	-0.00092277
		- 20	1.90907685	-0.00092315
		- 10	1.90981839	-0.00018161
		0	1.90992058	-0.00007942
		+ 10	1.90915209	-0.00084791
		+ 20 (Ref)	1.90974651	-0.00025349
		+ 30	1.90972184	-0.00027816
		+ 40	1.90909651	-0.00090349
		+ 50	1.90972237	-0.00027763
Battery Endpoint	3.40	+ 20	1.90982140	-0.00017860

**Table 7-63. WCDMA PCS Upper Boundary Frequency Stability Data**

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## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA2837** complies with all the requirements of Part 24 of the FCC rules.

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<b>Test Report S/N:</b> 1C2311270068-08.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device	Page 216 of 216

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