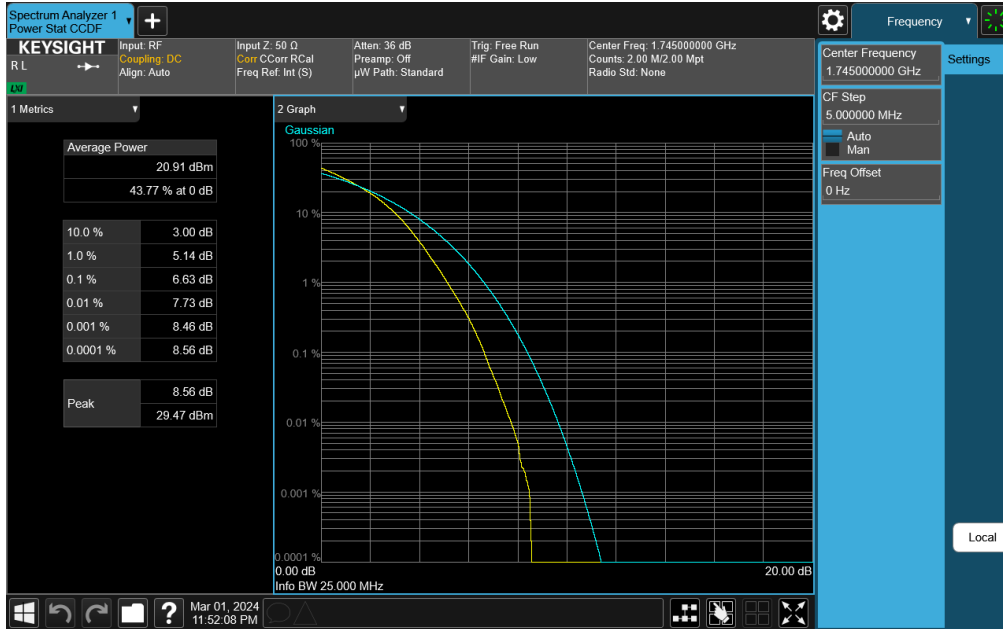
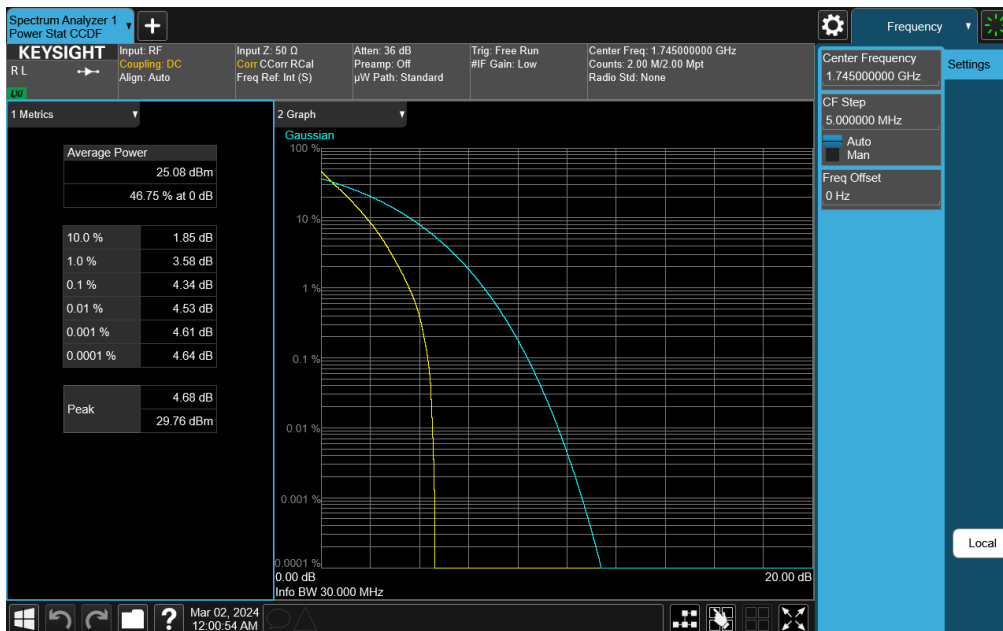


FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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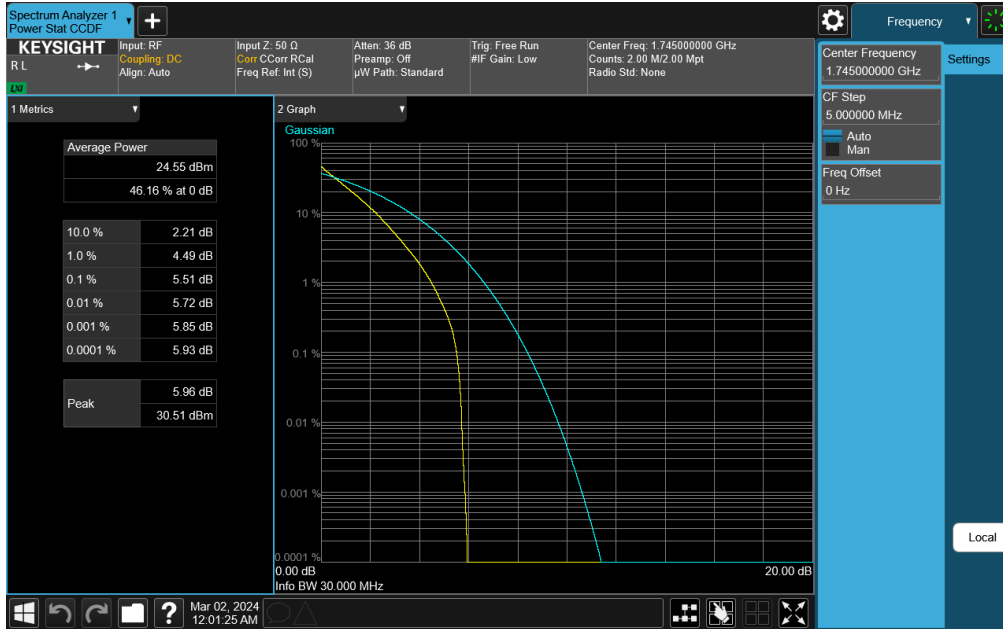


**Plot 7-446. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM 256-QAM - Full RB)**

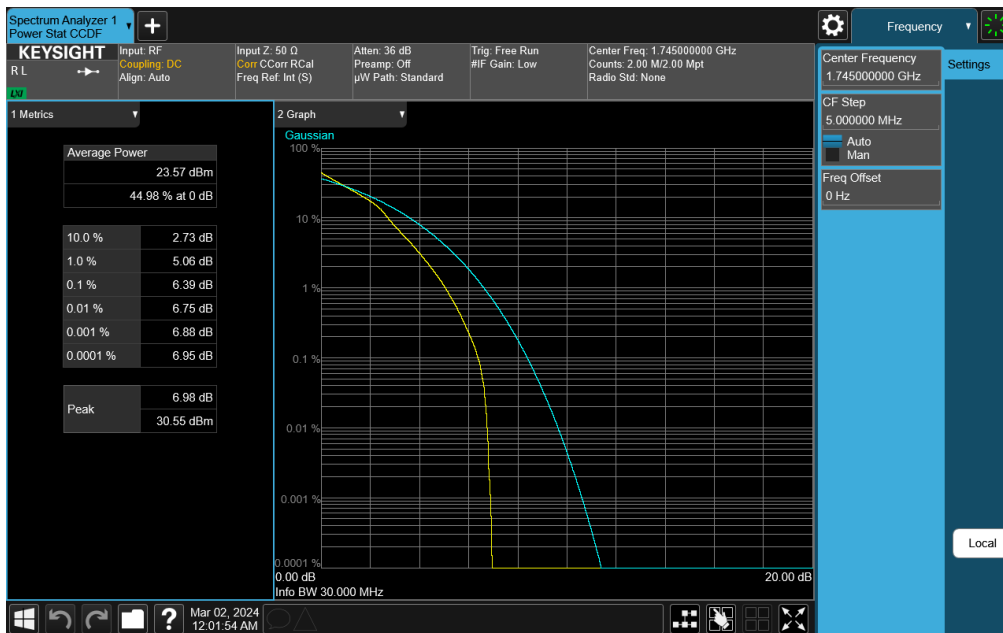


**Plot 7-447. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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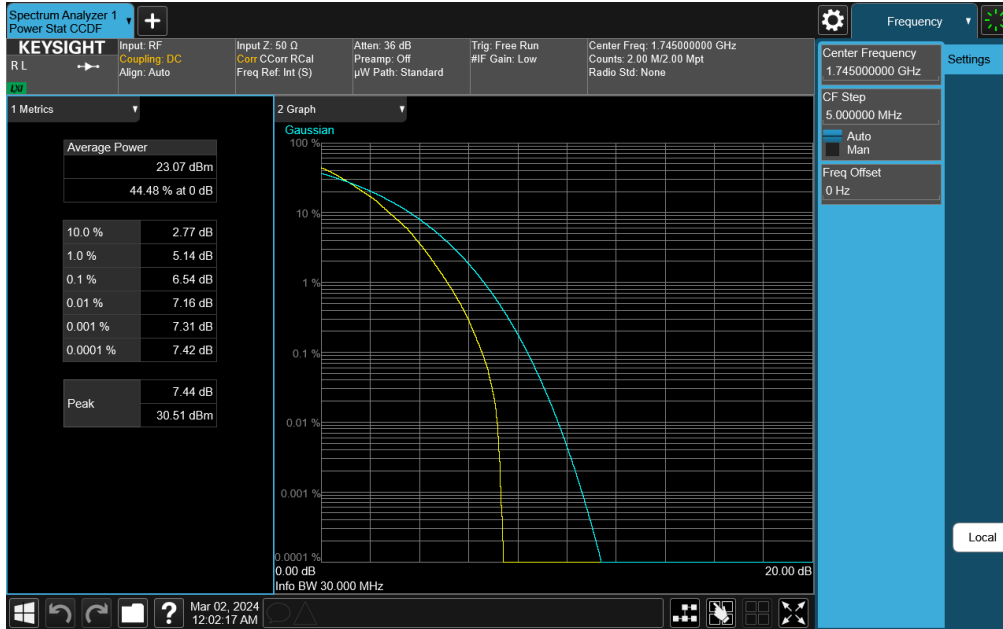


**Plot 7-448. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM QPSK - Full RB)**

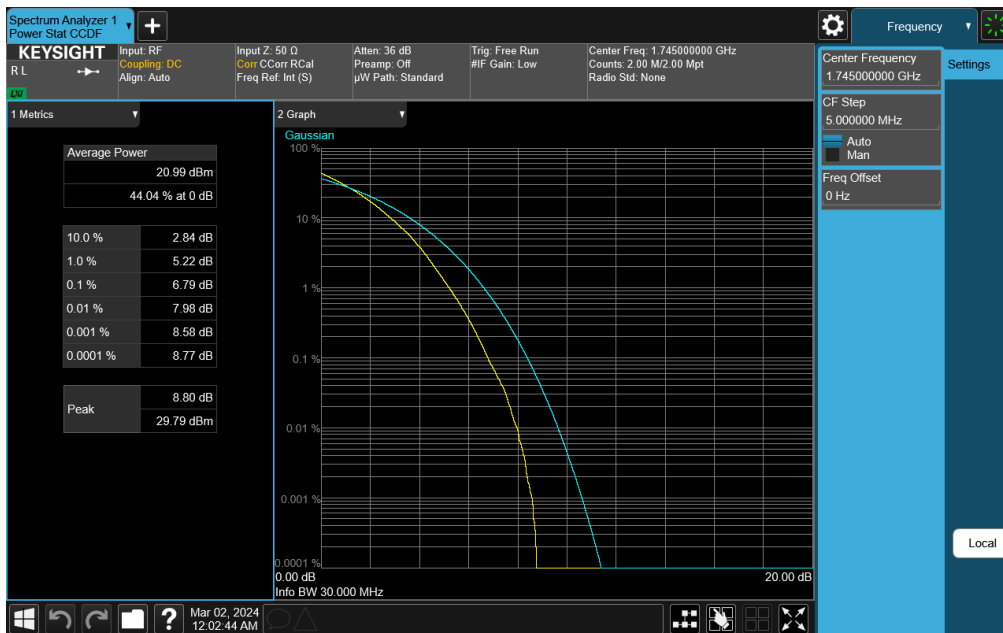


**Plot 7-449. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 16-QAM - Full RB)**

FCC ID: BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
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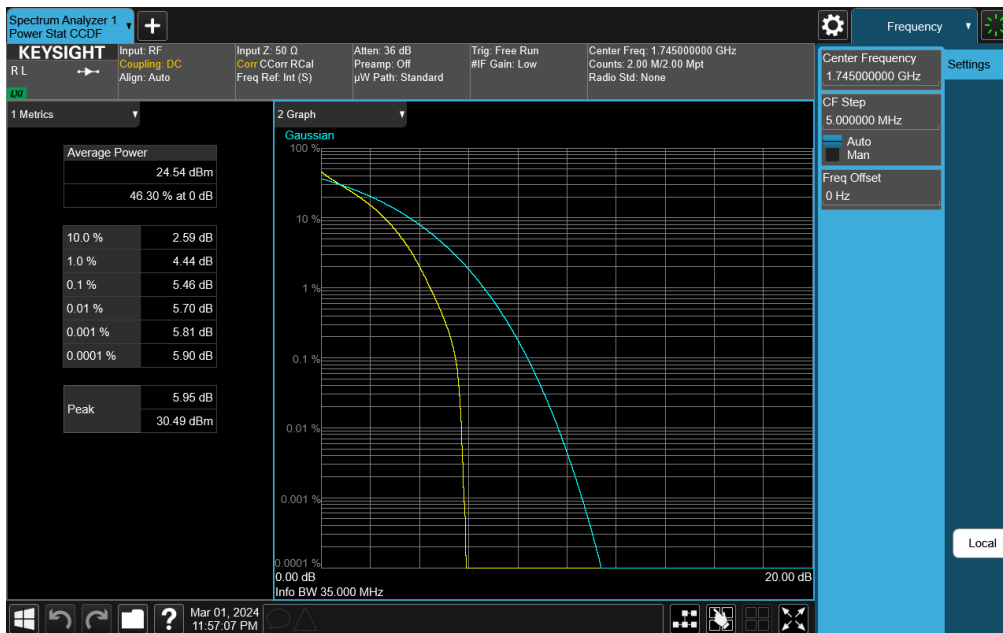
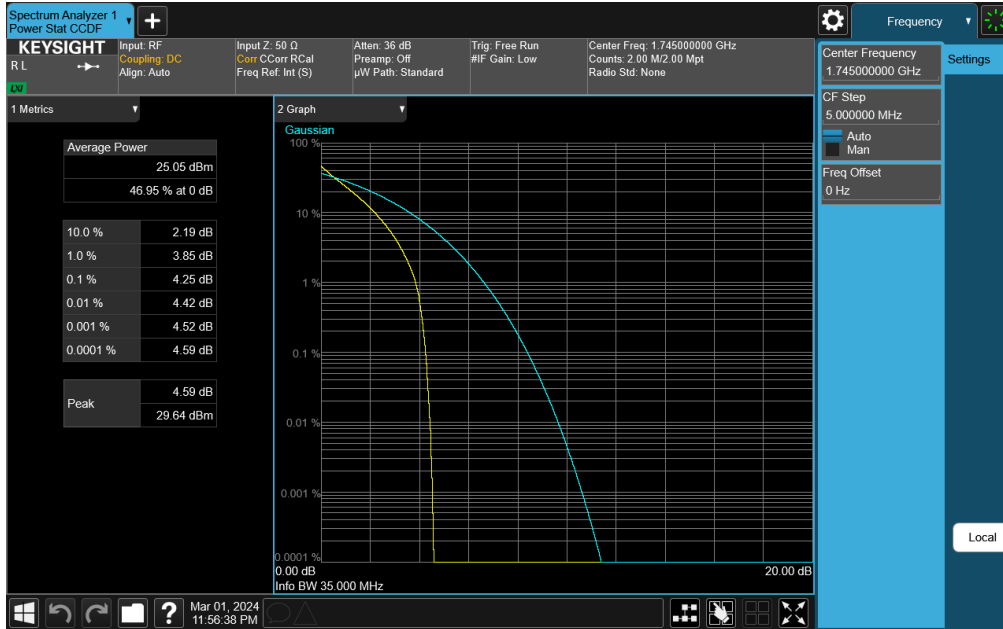


**Plot 7-450. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 64-QAM - Full RB)**

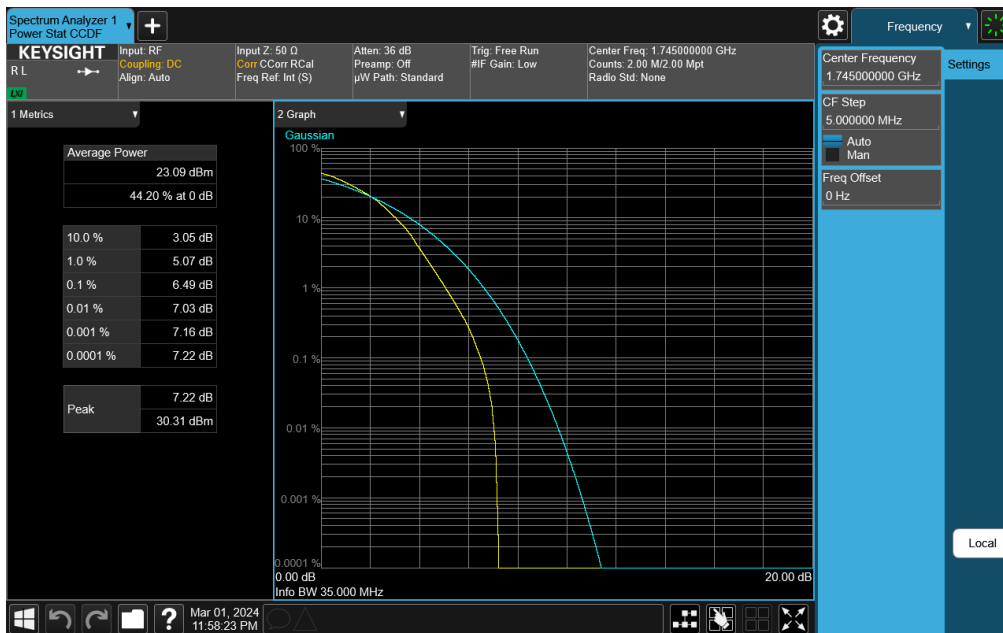
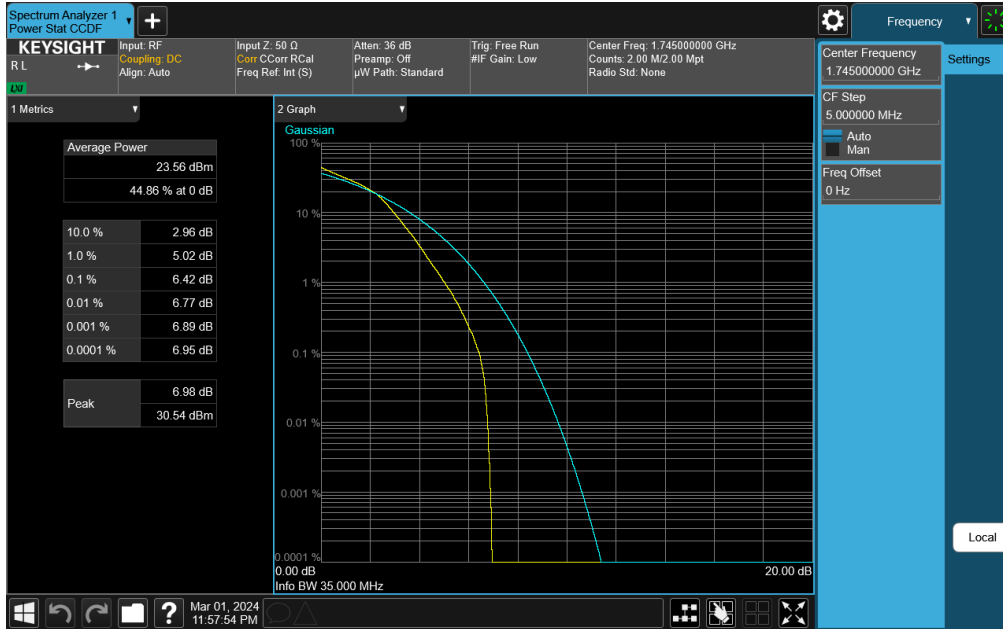


**Plot 7-451. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 256-QAM - Full RB)**

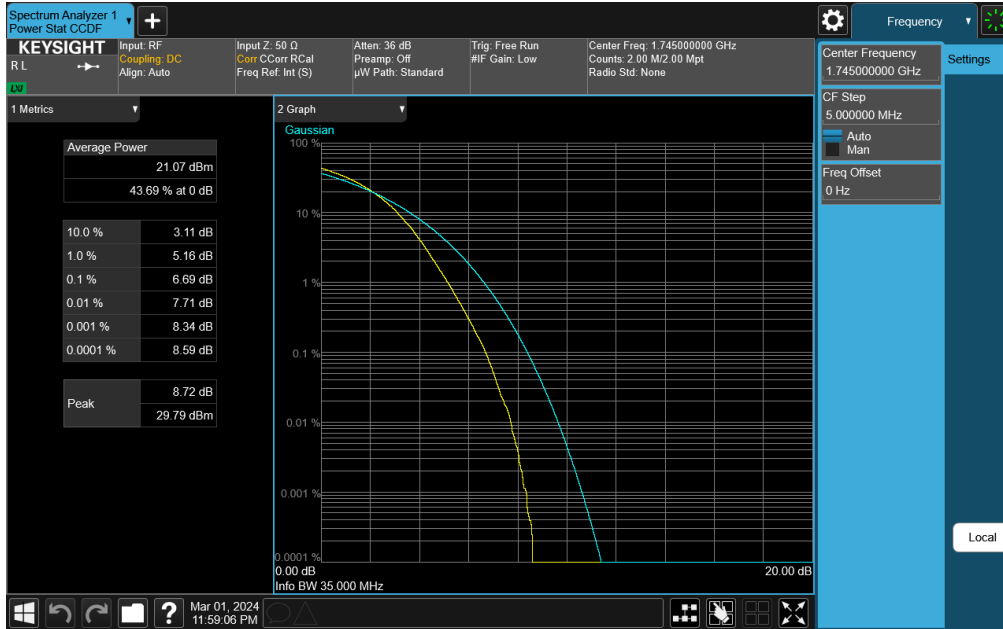
FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device
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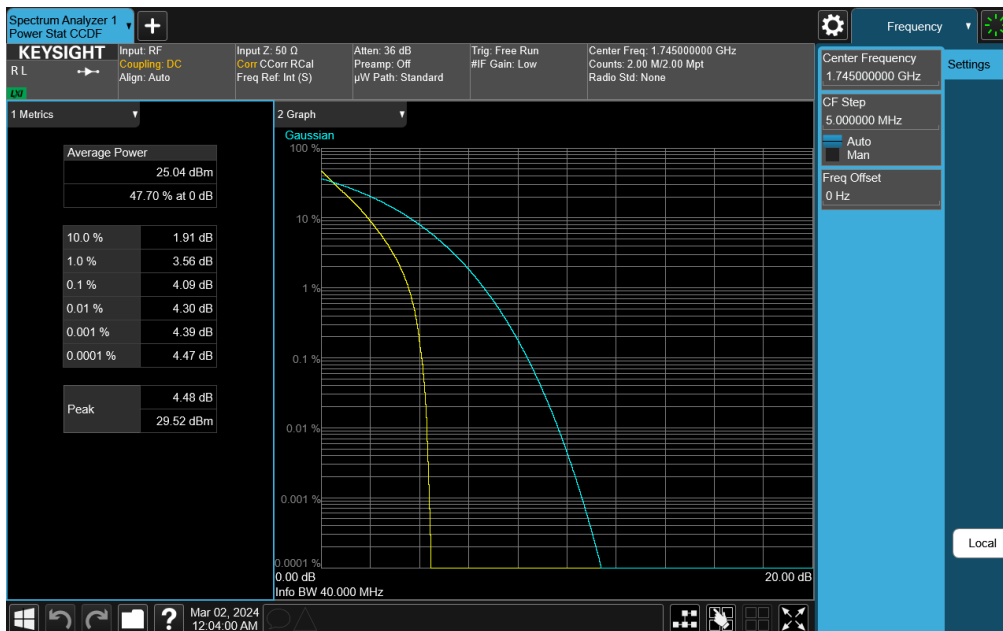
FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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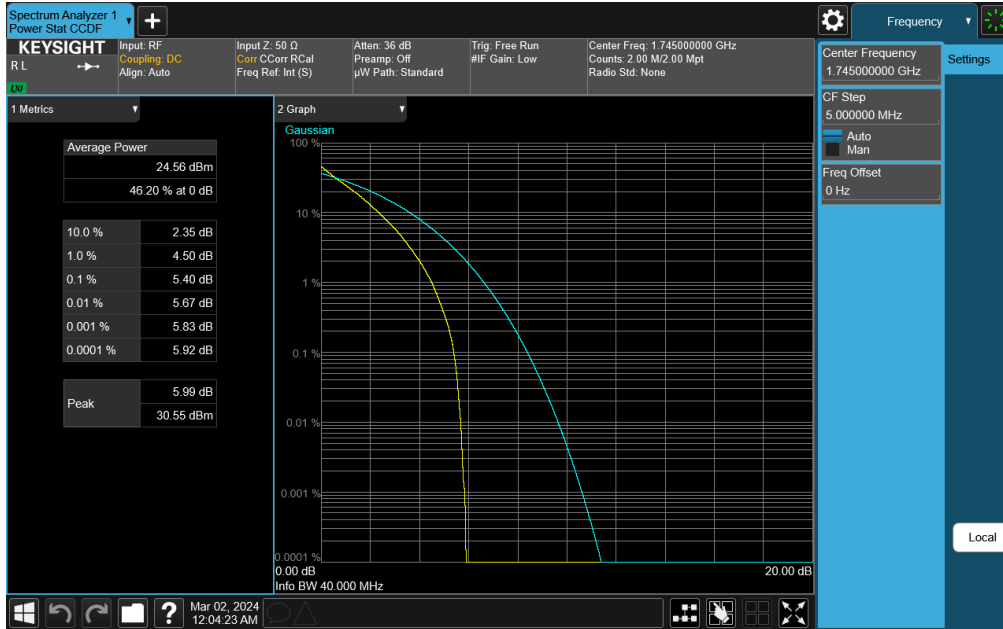


**Plot 7-456. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM 256-QAM - Full RB)**

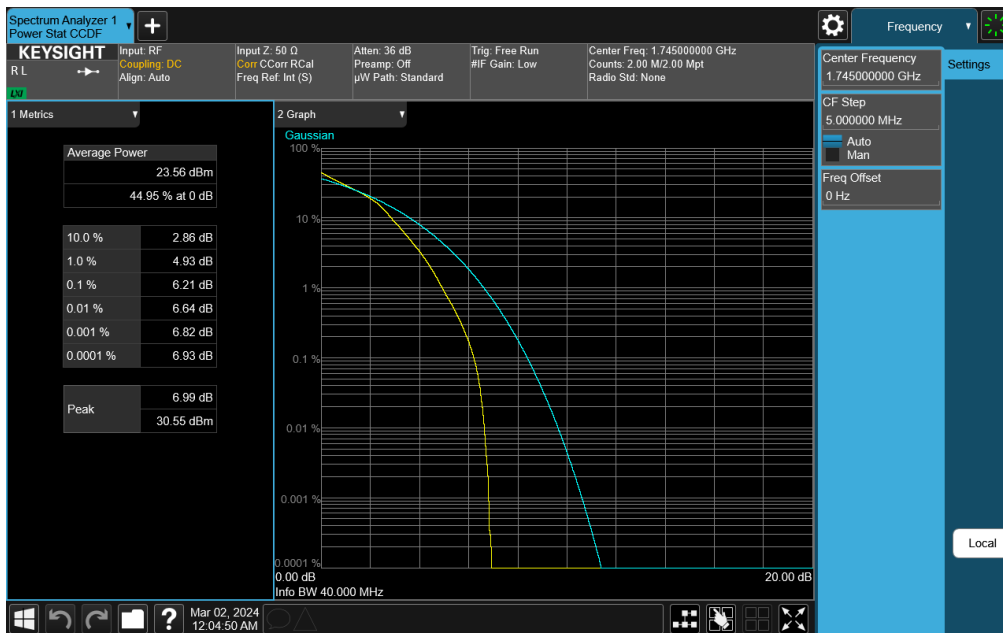


**Plot 7-457. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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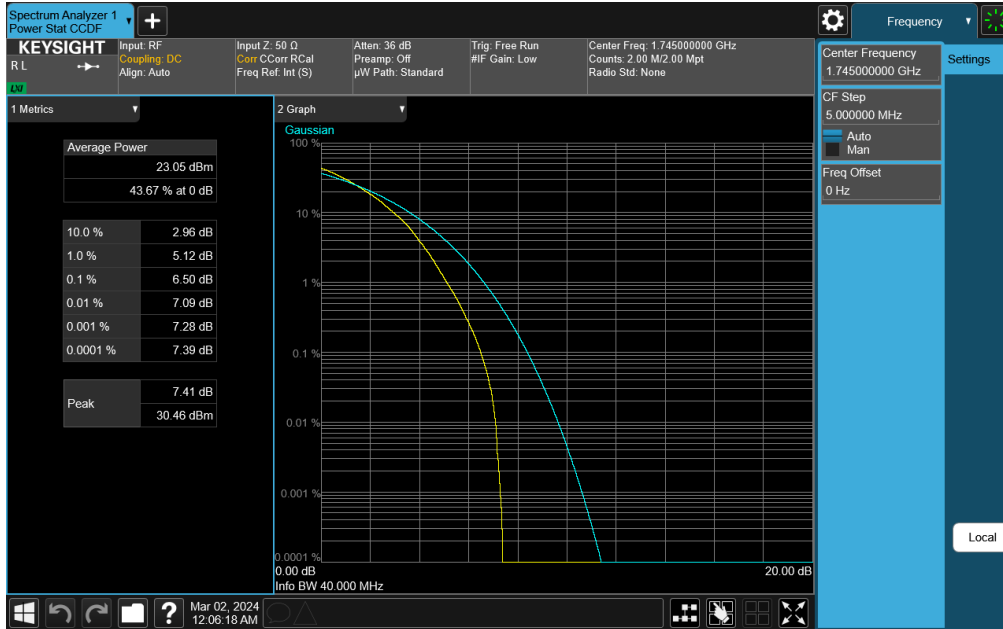
**Plot 7-458. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM QPSK - Full RB)**



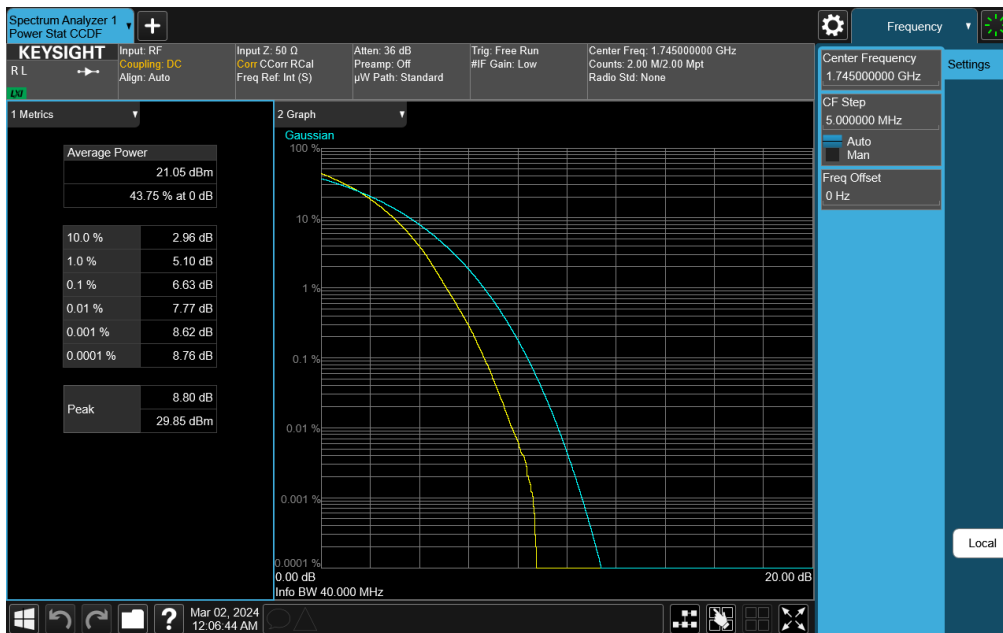
**Plot 7-459. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 16-QAM - Full RB)**

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device
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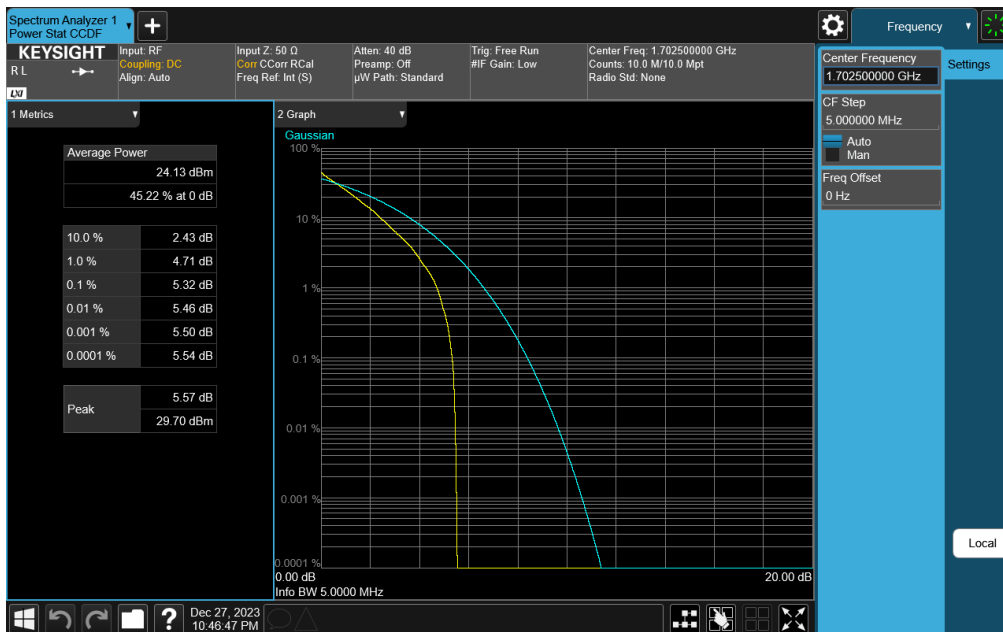
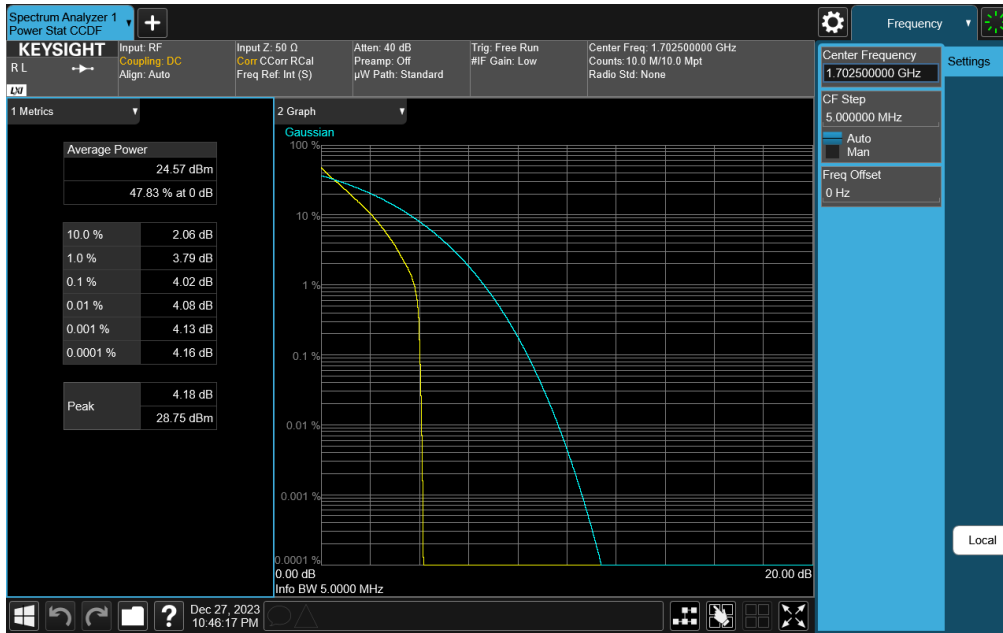


**Plot 7-460. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 64-QAM - Full RB)**

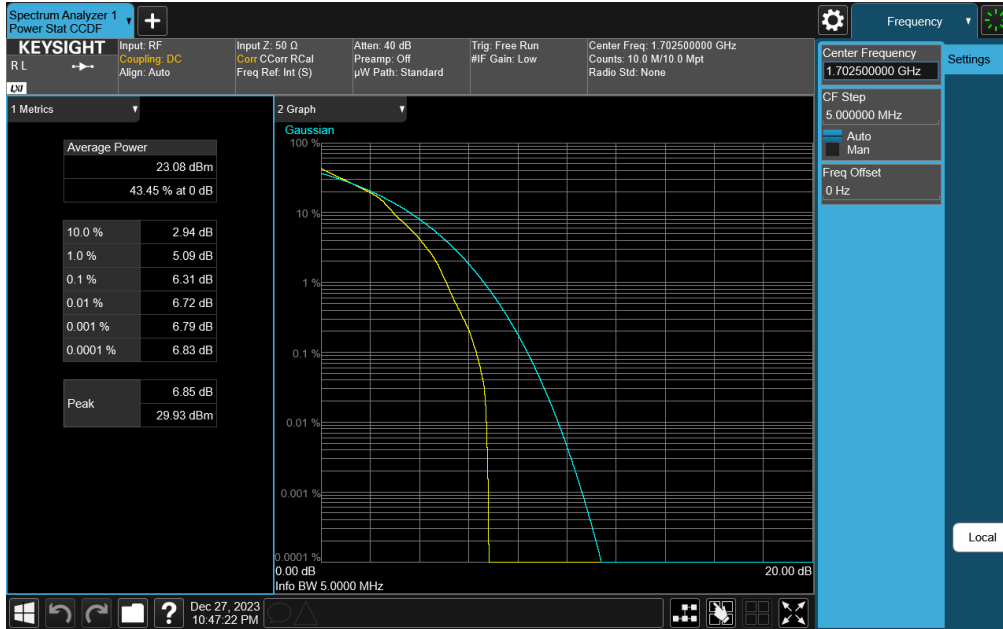


**Plot 7-461. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 256-QAM - Full RB)**

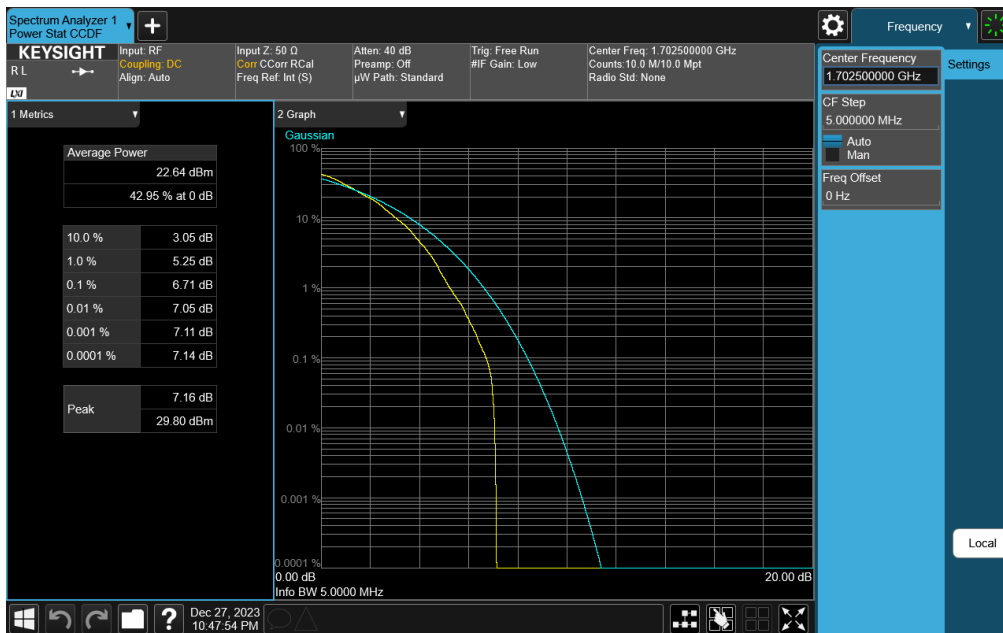
FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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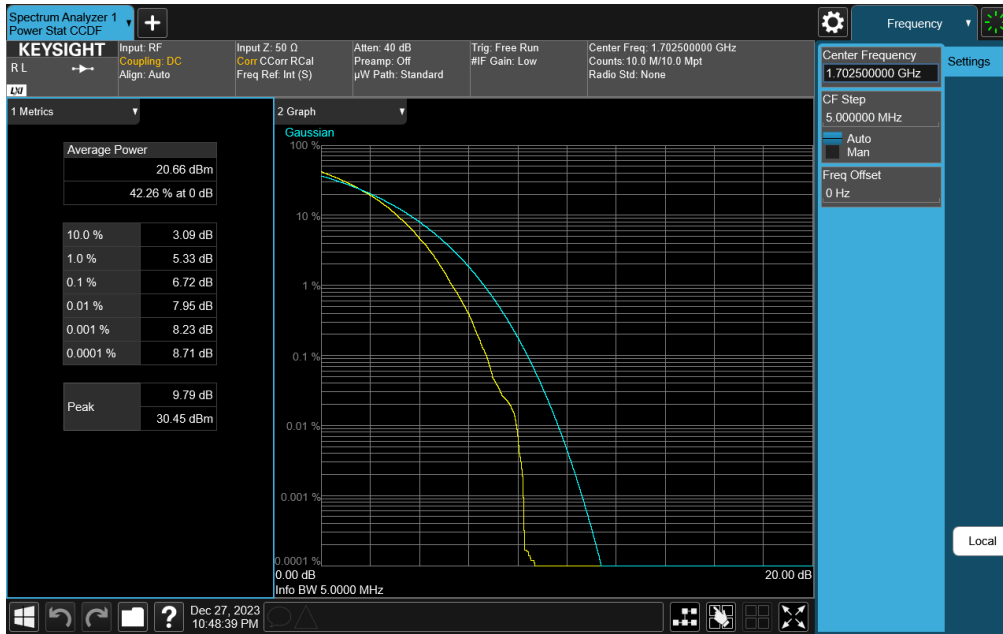


**Plot 7-464. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)**

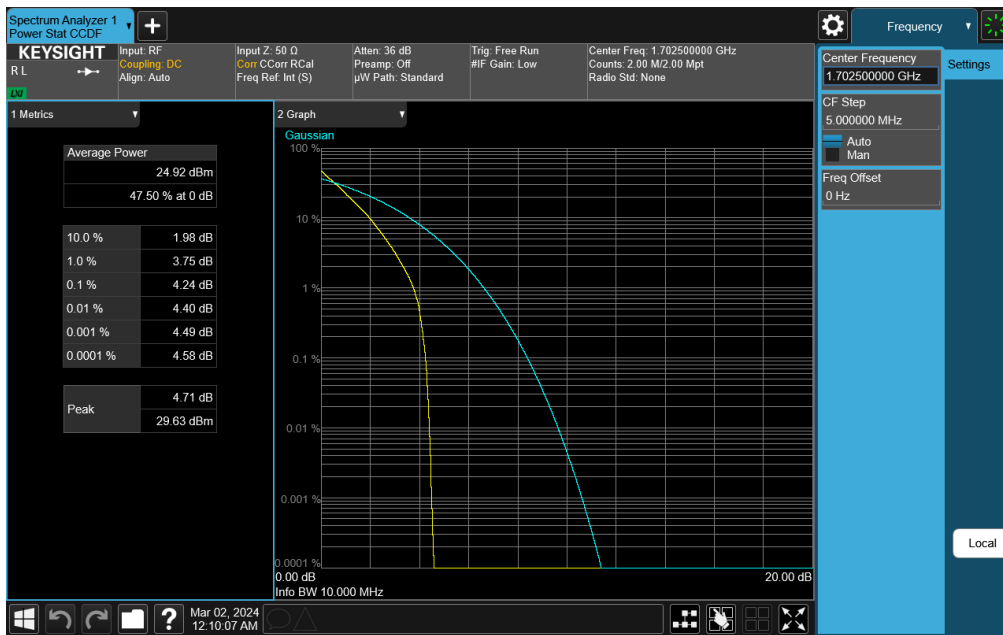


**Plot 7-465. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)**

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device
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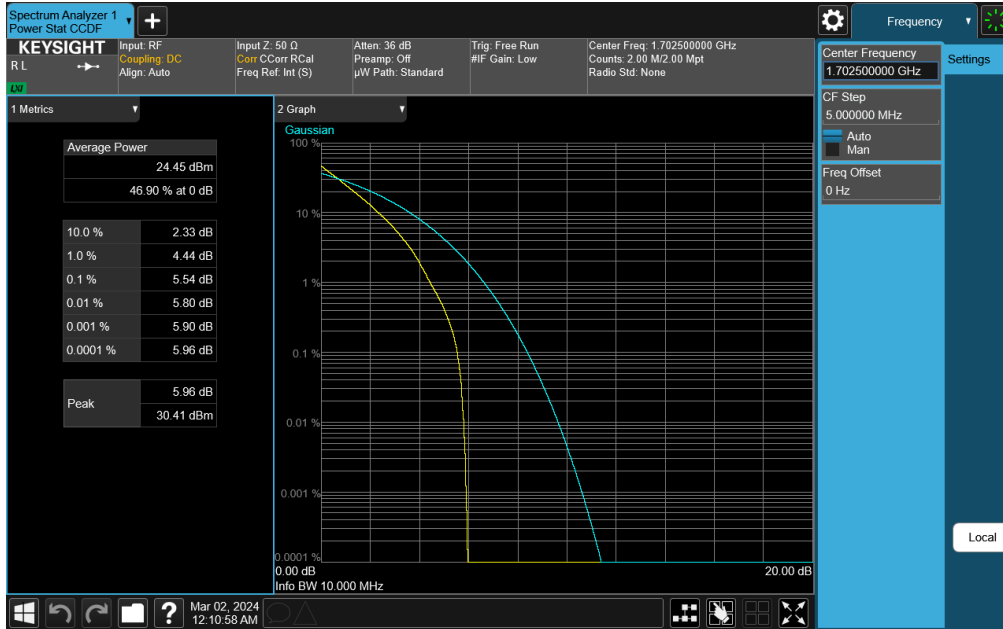


**Plot 7-466. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 256-QAM - Full RB)**

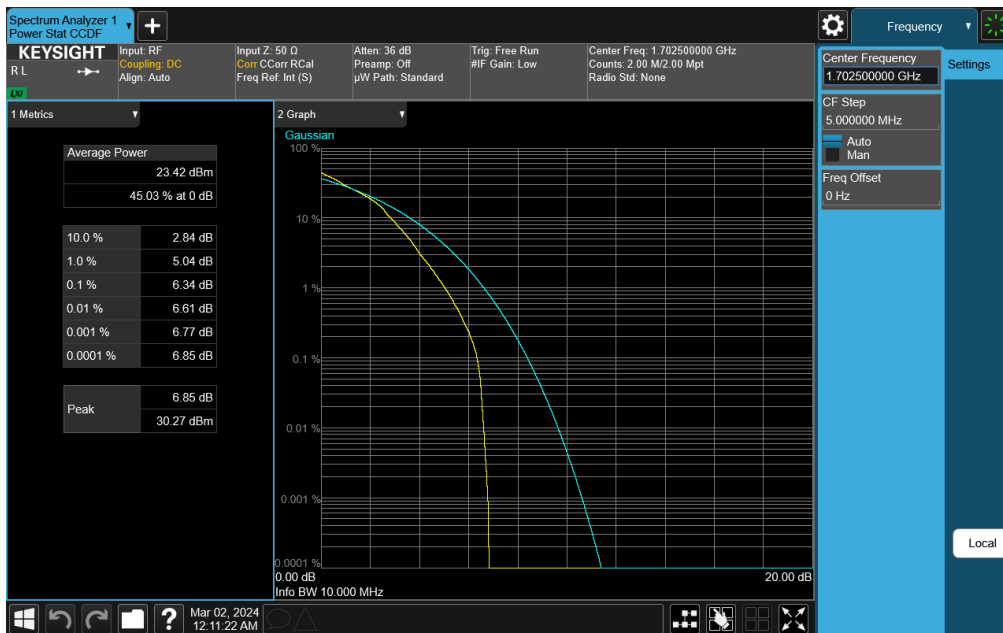


**Plot 7-467. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

FCC ID: BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 261 of 344

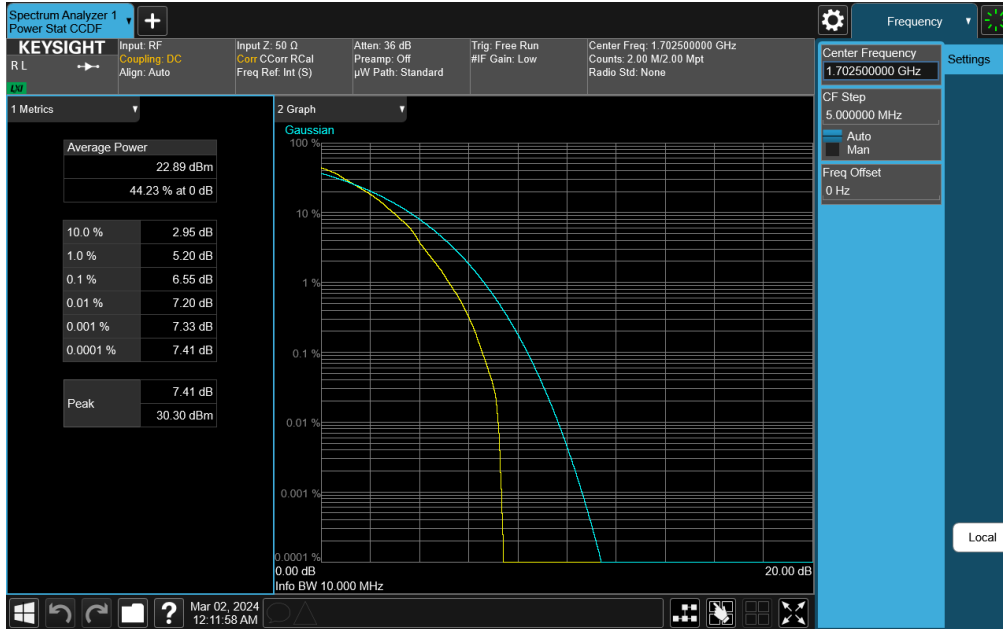


**Plot 7-468. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM QPSK - Full RB)**

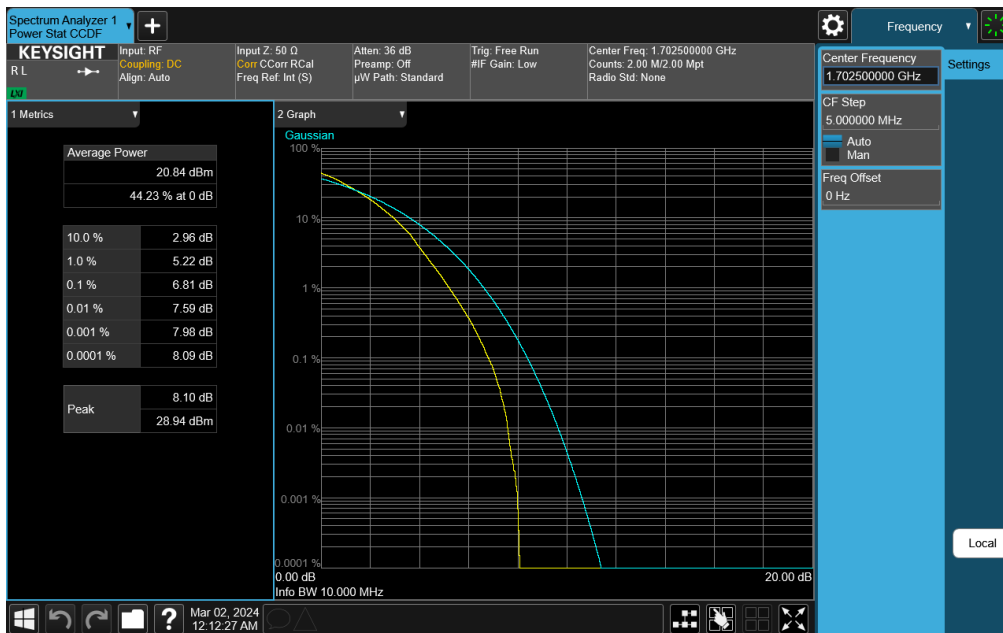


**Plot 7-469. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)**

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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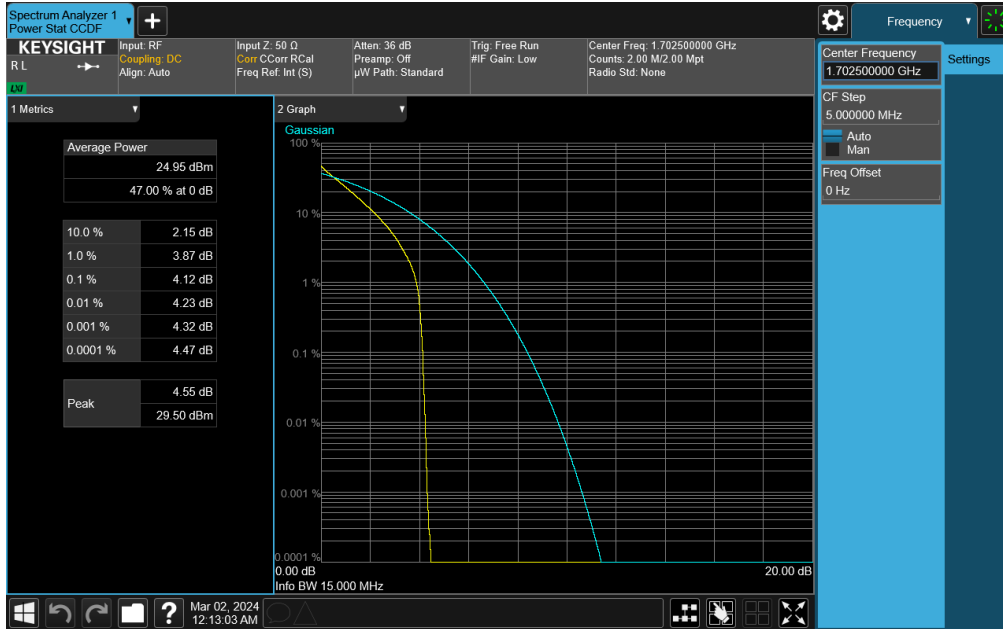


**Plot 7-470. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)**

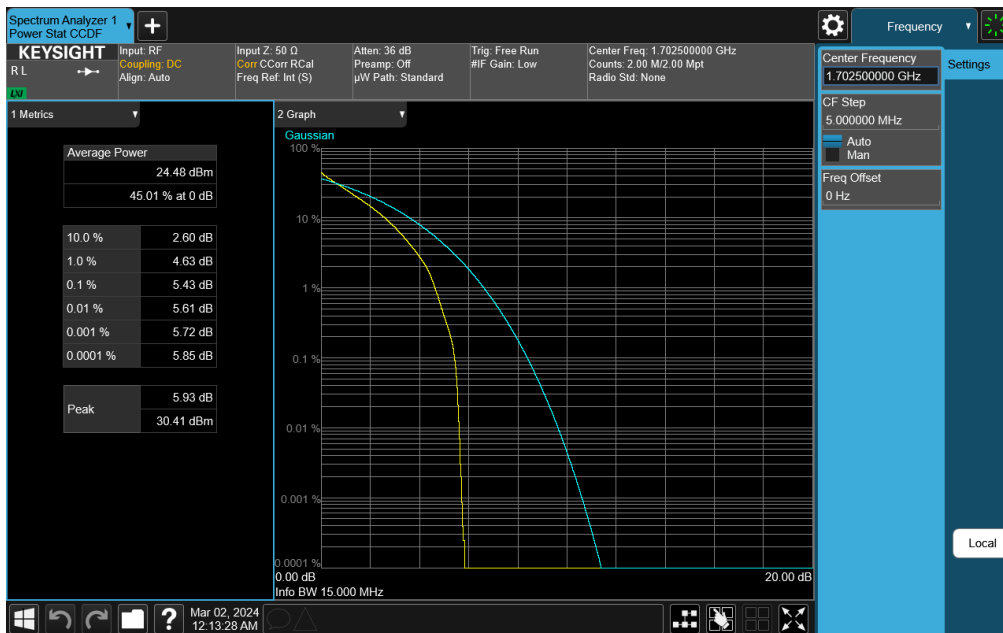


**Plot 7-471. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)**

FCC ID: BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
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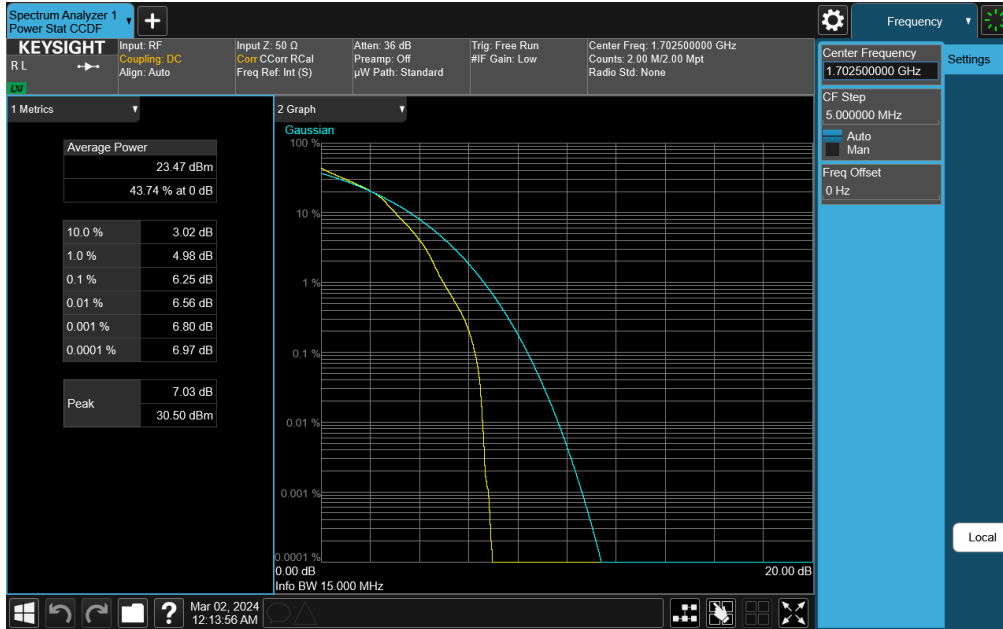


**Plot 7-472. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

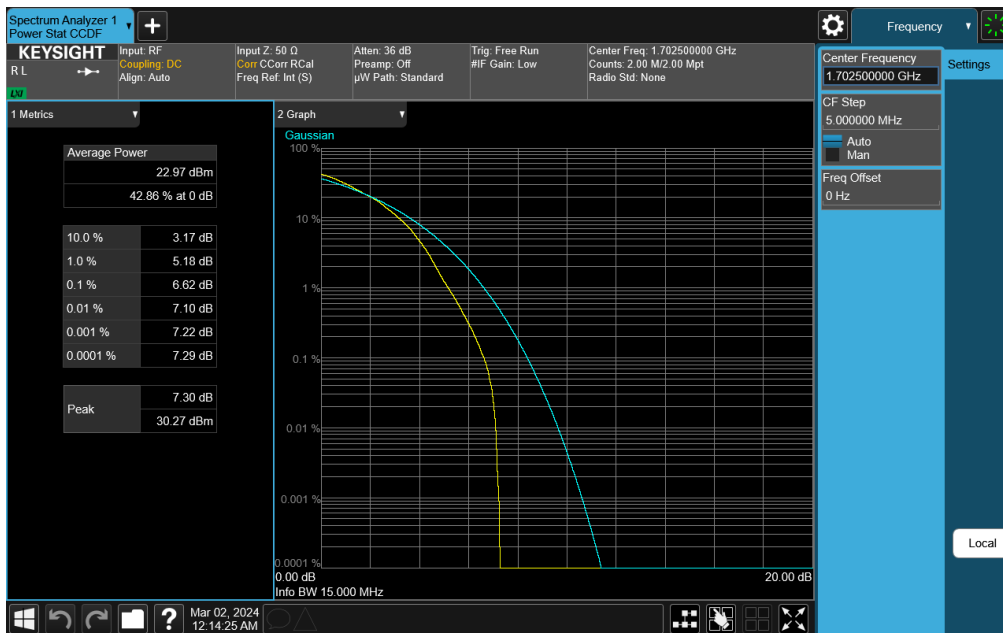


**Plot 7-473. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM QPSK - Full RB)**

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device
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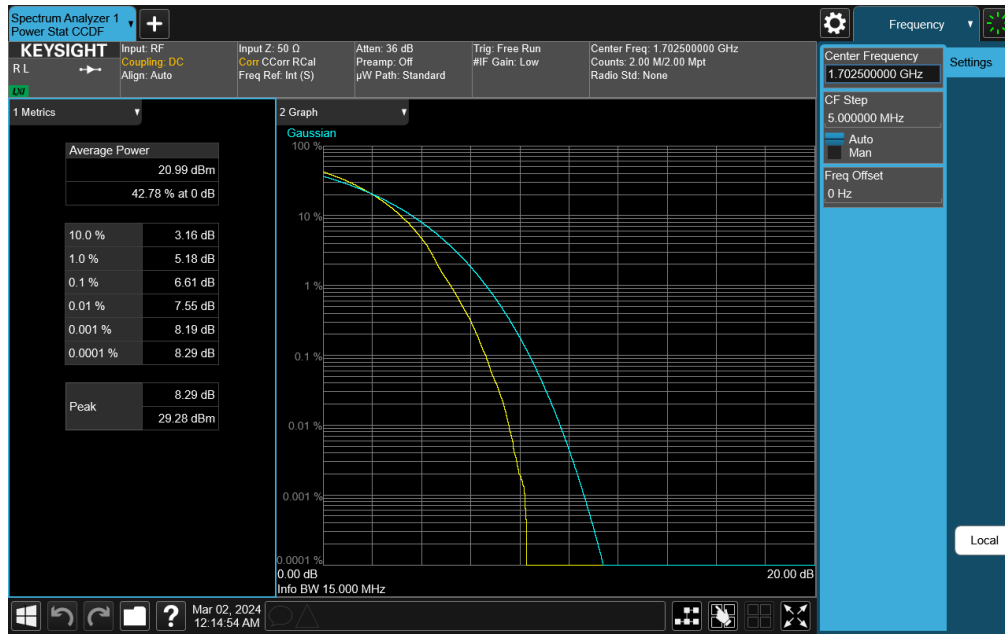
**Plot 7-474. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)**




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

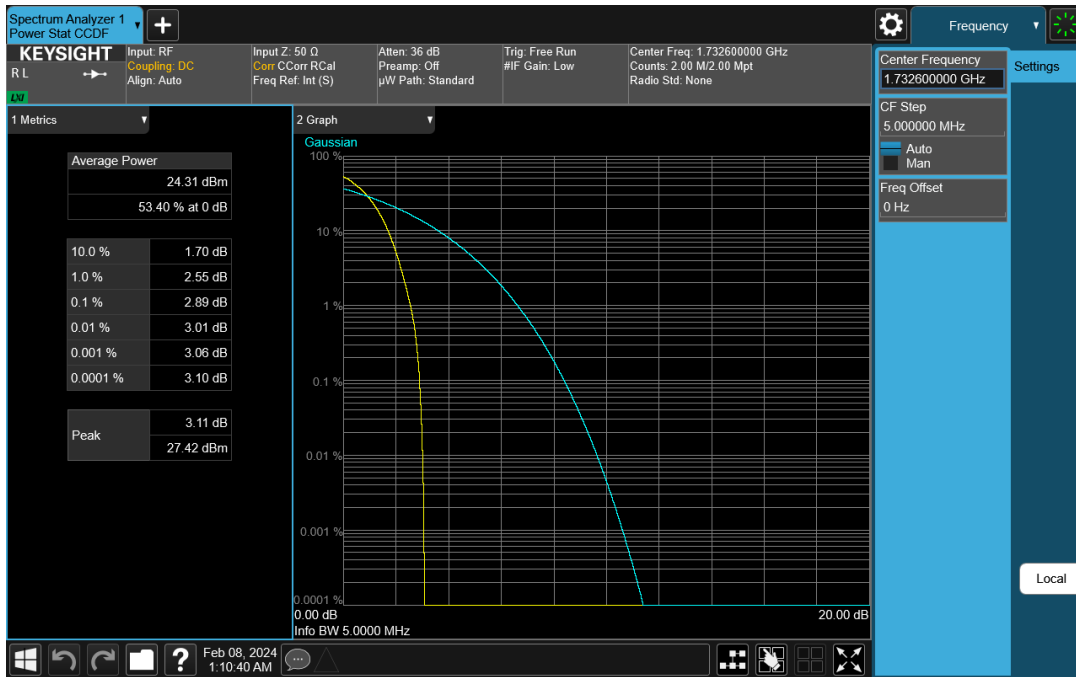
FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device
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**Plot 7-476. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>	Approved by: Technical Manager
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Plot 7-477. PAR Plot (WCDMA, Ch. 1413)

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## 7.6 Radiated Power (ERP/EIRP)

§27.50(b)(10), §27.50(c)(10), §27.50(d)(4)

### Test Overview

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

### Test Procedures Used

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

### Test Settings

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

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

Where:

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

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

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

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

### Test Setup

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

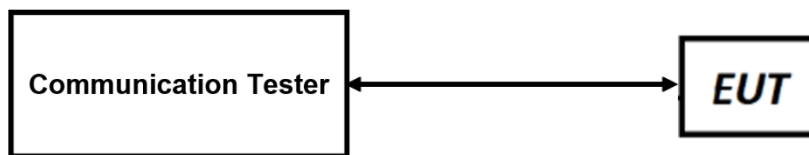




Figure 7-5. ERP/EIRP Measurement Setup

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**Test Notes**

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

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## 7.6.1 Antenna 4 – ERP/EIRP

### LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	0.60	1 / 5	25.68	<b>26.28</b>	0.425	30.00	-3.72
		1745.0	0.60	1 / 0	25.67	26.27	0.424	30.00	-3.73
		1779.3	0.60	1 / 0	25.52	26.12	0.409	30.00	-3.88
	16-QAM	1745.0	0.60	1 / 0	24.93	25.53	0.357	30.00	-4.47
	64-QAM	1710.7	0.60	1 / 0	23.82	24.42	0.277	30.00	-5.58
256-QAM	1745.0	0.60	1 / 3	20.73	21.33	0.136	30.00	-8.67	
3 MHz	QPSK	1711.5	0.60	1 / 0	25.50	26.10	0.407	30.00	-3.90
		1745.0	0.60	1 / 0	25.62	<b>26.22</b>	0.419	30.00	-3.78
		1778.5	0.60	1 / 0	25.44	26.04	0.402	30.00	-3.96
	16-QAM	1745.0	0.60	1 / 0	25.10	25.70	0.372	30.00	-4.30
	64-QAM	1745.0	0.60	1 / 0	23.91	24.51	0.282	30.00	-5.49
256-QAM	1778.5	0.60	1 / 0	20.81	21.41	0.138	30.00	-8.59	
5 MHz	QPSK	1712.5	0.60	1 / 24	25.57	26.17	0.414	30.00	-3.83
		1745.0	0.60	1 / 0	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1777.5	0.60	1 / 0	25.48	26.08	0.406	30.00	-3.92
	16-QAM	1745.0	0.60	1 / 0	25.06	25.66	0.368	30.00	-4.34
	64-QAM	1745.0	0.60	1 / 0	24.06	24.66	0.292	30.00	-5.34
256-QAM	1712.5	0.60	1 / 0	20.77	21.37	0.137	30.00	-8.63	
10 MHz	QPSK	1715.0	0.60	1 / 49	25.50	26.10	0.407	30.00	-3.90
		1745.0	0.60	1 / 0	25.62	<b>26.22</b>	0.419	30.00	-3.78
		1775.0	0.60	1 / 0	25.43	26.03	0.401	30.00	-3.97
	16-QAM	1775.0	0.60	1 / 49	24.99	25.59	0.362	30.00	-4.41
	64-QAM	1715.0	0.60	1 / 25	23.86	24.46	0.279	30.00	-5.54
256-QAM	1745.0	0.60	1 / 0	20.80	21.40	0.138	30.00	-8.60	
15 MHz	QPSK	1717.5	0.60	1 / 0	25.52	26.12	0.409	30.00	-3.88
		1745.0	0.60	1 / 0	25.67	<b>26.27</b>	0.424	30.00	-3.73
		1772.5	0.60	1 / 0	25.34	25.94	0.393	30.00	-4.06
	16-QAM	1772.5	0.60	1 / 0	25.03	25.63	0.366	30.00	-4.37
	64-QAM	1717.5	0.60	1 / 74	23.94	24.54	0.284	30.00	-5.46
256-QAM	1717.5	0.60	1 / 0	20.65	21.25	0.133	30.00	-8.75	
20 MHz	QPSK	1720.0	0.60	1 / 0	25.51	<b>26.11</b>	0.408	30.00	-3.89
		1745.0	0.60	1 / 0	25.23	25.83	0.383	30.00	-4.17
		1770.0	0.60	1 / 0	25.50	26.10	0.407	30.00	-3.90
	16-QAM	1745.0	0.60	1 / 0	25.04	25.64	0.366	30.00	-4.36
	64-QAM	1720.0	0.60	1 / 0	23.83	24.43	0.277	30.00	-5.57
256-QAM	1770.0	0.60	1 / 99	20.70	21.30	0.135	30.00	-8.70	


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

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### LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	0.60	1 / 0	25.68	<b>26.28</b>	0.425	30.00	-3.72
		1732.5	0.60	1 / 3	25.59	26.19	0.416	30.00	-3.81
		1754.3	0.60	1 / 0	25.64	26.24	0.421	30.00	-3.76
	16-QAM	1732.5	0.60	1 / 0	24.93	25.53	0.357	30.00	-4.47
	64-QAM	1732.5	0.60	1 / 0	23.91	24.51	0.282	30.00	-5.49
	256-QAM	1754.3	0.60	1 / 3	20.73	21.33	0.136	30.00	-8.67
3 MHz	QPSK	1711.5	0.60	1 / 0	25.47	26.07	0.405	30.00	-3.93
		1732.5	0.60	1 / 0	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1753.5	0.60	1 / 0	25.44	26.04	0.402	30.00	-3.96
	16-QAM	1753.5	0.60	1 / 0	25.03	25.63	0.366	30.00	-4.37
	64-QAM	1711.5	0.60	1 / 7	23.90	24.50	0.282	30.00	-5.50
	256-QAM	1732.5	0.60	1 / 0	20.81	21.41	0.138	30.00	-8.59
5 MHz	QPSK	1712.5	0.60	1 / 0	25.69	26.29	0.426	30.00	-3.71
		1732.5	0.60	1 / 0	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1752.5	0.60	1 / 0	25.60	26.20	0.417	30.00	-3.80
	16-QAM	1732.5	0.60	1 / 0	25.12	25.72	0.373	30.00	-4.28
	64-QAM	1732.5	0.60	1 / 12	24.09	24.69	0.294	30.00	-5.31
	256-QAM	1732.5	0.60	1 / 0	20.86	21.46	0.140	30.00	-8.54
10 MHz	QPSK	1715.0	0.60	1 / 49	25.51	26.11	0.408	30.00	-3.89
		1732.5	0.60	1 / 49	25.65	<b>26.25</b>	0.422	30.00	-3.75
		1750.0	0.60	1 / 49	25.41	26.01	0.399	30.00	-3.99
	16-QAM	1750.0	0.60	1 / 25	25.02	25.62	0.365	30.00	-4.38
	64-QAM	1715.0	0.60	1 / 0	23.88	24.48	0.281	30.00	-5.52
	256-QAM	1715.0	0.60	1 / 0	20.83	21.43	0.139	30.00	-8.57
15 MHz	QPSK	1717.5	0.60	1 / 0	25.57	26.17	0.414	30.00	-3.83
		1732.5	0.60	1 / 0	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1747.5	0.60	1 / 74	25.40	26.00	0.398	30.00	-4.00
	16-QAM	1732.5	0.60	1 / 0	24.88	25.48	0.353	30.00	-4.52
	64-QAM	1717.5	0.60	1 / 0	23.83	24.43	0.277	30.00	-5.57
	256-QAM	1732.5	0.60	1 / 0	20.72	21.32	0.136	30.00	-8.68
20 MHz	QPSK	1720.0	0.60	1 / 99	25.57	<b>26.17</b>	0.414	30.00	-3.83
		1732.5	0.60	1 / 99	25.35	25.95	0.394	30.00	-4.05
		1745.0	0.60	1 / 0	25.55	26.15	0.412	30.00	-3.85
	16-QAM	1745.0	0.60	1 / 0	25.12	25.72	0.373	30.00	-4.28
	64-QAM	1720.0	0.60	1 / 0	23.93	24.53	0.284	30.00	-5.47
	256-QAM	1720.0	0.60	1 / 99	20.76	21.36	0.137	30.00	-8.64


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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 271 of 344

### LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-1.70	1 / 0	25.70	<b>21.85</b>	0.153	34.77	-12.92
		680.5	-1.70	1 / 0	25.66	21.81	0.152	34.77	-12.96
		695.5	-1.70	1 / 0	25.70	<b>21.85</b>	0.153	34.77	-12.92
	16-QAM	680.5	-1.70	1 / 0	25.03	21.18	0.131	34.77	-13.59
	64-QAM	695.5	-1.70	1 / 24	23.85	20.00	0.100	34.77	-14.77
256-QAM	680.5	-1.70	1 / 0	20.85	17.00	0.050	34.77	-17.77	
10 MHz	QPSK	668.0	-1.70	1 / 49	25.58	<b>21.73</b>	0.149	34.77	-13.04
		680.5	-1.70	1 / 25	25.50	21.65	0.146	34.77	-13.12
		693.0	-1.70	1 / 25	25.49	21.64	0.146	34.77	-13.13
	16-QAM	668.0	-1.70	1 / 49	24.97	21.12	0.129	34.77	-13.65
	64-QAM	693.0	-1.70	1 / 49	23.79	19.94	0.099	34.77	-14.83
256-QAM	680.5	-1.70	1 / 0	20.73	16.88	0.049	34.77	-17.89	
15 MHz	QPSK	670.5	-1.70	1 / 0	25.38	21.53	0.142	34.77	-13.24
		680.5	-1.70	1 / 0	25.39	21.54	0.143	34.77	-13.23
		690.5	-1.70	1 / 0	25.27	21.42	0.139	34.77	-13.35
	16-QAM	670.5	-1.70	1 / 0	24.75	20.90	0.123	34.77	-13.87
	64-QAM	680.5	-1.70	1 / 0	23.68	19.83	0.096	34.77	-14.94
256-QAM	670.5	-1.70	1 / 0	20.75	16.90	0.049	34.77	-17.87	
20 MHz	QPSK	673.0	-1.70	1 / 0	25.39	21.54	0.143	34.77	-13.23
		680.5	-1.70	1 / 0	25.31	21.46	0.140	34.77	-13.31
		688.0	-1.70	1 / 50	25.44	21.59	0.144	34.77	-13.18
	16-QAM	688.0	-1.70	1 / 0	25.03	21.18	0.131	34.77	-13.59
	64-QAM	688.0	-1.70	1 / 0	23.76	19.91	0.098	34.77	-14.86
256-QAM	673.0	-1.70	1 / 0	20.64	16.79	0.048	34.77	-17.98	


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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 272 of 344

## LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-1.80	1 / 3	25.33	<b>21.38</b>	0.137	34.77	-13.39
		707.5	-1.80	1 / 0	25.39	<b>21.44</b>	0.139	34.77	-13.33
		715.3	-1.80	1 / 0	25.30	21.35	0.136	34.77	-13.42
	16-QAM	699.7	-1.80	1 / 3	24.71	20.76	0.119	34.77	-14.01
	64-QAM	699.7	-1.80	1 / 0	23.63	19.68	0.093	34.77	-15.09
	256-QAM	699.7	-1.80	1 / 3	20.68	16.73	0.047	34.77	-18.04
3 MHz	QPSK	700.5	-1.80	1 / 0	25.32	<b>21.37</b>	0.137	34.77	-13.40
		707.5	-1.80	1 / 0	25.31	21.36	0.137	34.77	-13.41
		714.5	-1.80	1 / 0	25.24	21.29	0.135	34.77	-13.48
	16-QAM	700.5	-1.80	1 / 0	24.71	20.76	0.119	34.77	-14.01
	64-QAM	700.5	-1.80	1 / 0	23.75	19.80	0.095	34.77	-14.97
	256-QAM	707.5	-1.80	1 / 0	20.53	16.58	0.045	34.77	-18.19
5 MHz	QPSK	701.5	-1.80	1 / 0	25.70	<b>21.75</b>	0.150	34.77	-13.02
		707.5	-1.80	1 / 0	25.50	21.55	0.143	34.77	-13.22
		713.5	-1.80	1 / 0	25.32	21.37	0.137	34.77	-13.40
	16-QAM	701.5	-1.80	1 / 0	24.87	20.92	0.124	34.77	-13.85
	64-QAM	701.5	-1.80	1 / 0	23.78	19.83	0.096	34.77	-14.94
	256-QAM	701.5	-1.80	1 / 12	20.55	16.60	0.046	34.77	-18.17
10 MHz	QPSK	704.0	-1.80	1 / 25	25.26	21.31	0.135	34.77	-13.46
		707.5	-1.80	1 / 25	25.42	<b>21.47</b>	0.140	34.77	-13.30
		711.0	-1.80	1 / 25	25.34	21.39	0.138	34.77	-13.38
	16-QAM	707.5	-1.80	1 / 25	24.74	20.79	0.120	34.77	-13.98
	64-QAM	704.0	-1.80	1 / 25	23.65	19.70	0.093	34.77	-15.07
	256-QAM	704.0	-1.80	1 / 0	20.54	16.59	0.046	34.77	-18.18

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## LTE Band 17


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-1.80	1 / 0	25.66	<b>21.71</b>	0.148	34.77	-13.06
		710.0	-1.80	1 / 0	25.70	<b>21.75</b>	0.150	34.77	-13.02
		713.5	-1.80	1 / 0	25.70	<b>21.75</b>	0.150	34.77	-13.02
	16-QAM	710.0	-1.80	1 / 0	25.19	21.24	0.133	34.77	-13.53
	64-QAM	713.5	-1.80	1 / 0	23.99	20.04	0.101	34.77	-14.73
	256-QAM	713.5	-1.80	1 / 0	20.74	16.79	0.048	34.77	-17.98
10 MHz	QPSK	709.0	-1.80	1 / 49	25.58	21.63	0.146	34.77	-13.14
		710.0	-1.80	1 / 49	25.70	<b>21.75</b>	0.150	34.77	-13.02
		711.0	-1.80	1 / 0	25.67	21.72	0.149	34.77	-13.05
	16-QAM	711.0	-1.80	1 / 25	25.04	21.09	0.129	34.77	-13.68
	64-QAM	709.0	-1.80	1 / 49	23.88	19.93	0.098	34.77	-14.84
	256-QAM	711.0	-1.80	1 / 0	20.81	16.86	0.049	34.77	-17.91

Table 7-6. Antenna 4 ERP 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]
5 MHz	QPSK	779.5	-2.60	1 / 0	25.64	<b>20.89</b>	0.123	34.77	-13.88
		782.0	-2.60	1 / 0	25.60	<b>20.85</b>	0.122	34.77	-13.92
		784.5	-2.60	1 / 0	25.45	20.70	0.117	34.77	-14.07
	16-QAM	782.0	-2.60	1 / 0	24.87	20.12	0.103	34.77	-14.65
	64-QAM	782.0	-2.60	1 / 0	23.88	19.13	0.082	34.77	-15.64
	256-QAM	779.5	-2.60	1 / 0	20.82	16.07	0.040	34.77	-18.70
10 MHz	QPSK	782.0	-2.60	1 / 0	25.33	<b>20.58</b>	0.114	34.77	-14.19
	16-QAM	782.0	-2.60	1 / 49	24.78	20.03	0.101	34.77	-14.74
	64-QAM	782.0	-2.60	1 / 0	23.58	18.83	0.076	34.77	-15.94
	256-QAM	782.0	-2.60	1 / 0	20.56	15.81	0.038	34.77	-18.96

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 274 of 344

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 / 23	25.59	26.19	0.416	30.00	-3.81
		1745.0	0.60	1 / 1	25.54	26.14	0.411	30.00	-3.86
		1777.5	0.60	1 / 23	25.61	26.21	0.418	30.00	-3.79
	QPSK	1712.5	0.60	1 / 23	25.65	26.25	0.422	30.00	-3.75
		1745.0	0.60	1 / 12	25.66	26.26	0.423	30.00	-3.74
		1777.5	0.60	1 / 23	25.70	<b>26.30</b>	0.427	30.00	-3.70
	16-QAM	1712.5	0.60	1 / 23	24.80	25.40	0.346	30.00	-4.60
64-QAM	1712.5	0.60	1 / 1	23.67	24.27	0.267	30.00	-5.73	
256-QAM	1712.5	0.60	1 / 23	21.40	22.00	0.158	30.00	-8.00	
10 MHz	π/2 BPSK	1715.0	0.60	1 / 1	25.63	26.23	0.419	30.00	-3.77
		1745.0	0.60	1 / 50	25.55	26.15	0.412	30.00	-3.85
		1775.0	0.60	1 / 25	25.70	<b>26.30</b>	0.427	30.00	-3.70
	QPSK	1715.0	0.60	1 / 1	25.67	26.27	0.424	30.00	-3.73
		1745.0	0.60	1 / 1	25.58	26.18	0.415	30.00	-3.82
		1775.0	0.60	1 / 1	25.68	26.28	0.424	30.00	-3.72
	16-QAM	1745.0	0.60	1 / 25	24.78	25.38	0.345	30.00	-4.62
64-QAM	1775.0	0.60	1 / 1	23.99	24.59	0.288	30.00	-5.41	
256-QAM	1715.0	0.60	1 / 1	21.95	22.55	0.180	30.00	-7.45	
15 MHz	π/2 BPSK	1717.5	0.60	1 / 1	25.65	26.25	0.422	30.00	-3.75
		1745.0	0.60	1 / 77	25.51	26.11	0.408	30.00	-3.89
		1772.5	0.60	1 / 77	25.64	26.24	0.421	30.00	-3.76
	QPSK	1717.5	0.60	1 / 1	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1745.0	0.60	1 / 77	25.55	26.15	0.412	30.00	-3.85
		1772.5	0.60	1 / 1	25.63	26.23	0.420	30.00	-3.77
	16-QAM	1717.5	0.60	1 / 36	25.03	25.63	0.366	30.00	-4.37
64-QAM	1745.0	0.60	1 / 77	23.98	24.58	0.287	30.00	-5.42	
256-QAM	1717.5	0.60	1 / 1	21.96	22.56	0.180	30.00	-7.44	
20 MHz	π/2 BPSK	1720.0	0.60	1 / 1	25.65	26.25	0.421	30.00	-3.75
		1745.0	0.60	1 / 50	25.64	26.24	0.421	30.00	-3.76
		1770.0	0.60	1 / 104	25.66	26.26	0.423	30.00	-3.74
	QPSK	1720.0	0.60	1 / 1	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1745.0	0.60	1 / 50	25.61	26.21	0.418	30.00	-3.79
		1770.0	0.60	1 / 1	25.64	26.24	0.421	30.00	-3.76
	16-QAM	1745.0	0.60	1 / 50	25.05	25.65	0.367	30.00	-4.35
64-QAM	1720.0	0.60	1 / 50	23.68	24.28	0.268	30.00	-5.72	
256-QAM	1720.0	0.60	1 / 1	21.48	22.08	0.161	30.00	-7.92	
25 MHz	π/2 BPSK	1722.5	0.60	1 / 1	25.67	26.27	0.424	30.00	-3.73
		1745.0	0.60	1 / 1	25.67	26.27	0.424	30.00	-3.73
		1767.5	0.60	1 / 1	25.67	26.27	0.423	30.00	-3.73
	QPSK	1722.5	0.60	1 / 1	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1745.0	0.60	1 / 1	25.67	26.27	0.424	30.00	-3.73
		1767.5	0.60	1 / 1	25.68	26.28	0.425	30.00	-3.72
	16-QAM	1767.5	0.60	1 / 131	24.77	25.37	0.345	30.00	-4.63
64-QAM	1722.5	0.60	1 / 1	24.09	24.69	0.295	30.00	-5.31	
256-QAM	1745.0	0.60	1 / 1	22.09	22.69	0.186	30.00	-7.31	
30 MHz	π/2 BPSK	1725.0	0.60	1 / 1	25.69	26.29	0.425	30.00	-3.71
		1745.0	0.60	1 / 158	25.59	26.19	0.416	30.00	-3.81
		1765.0	0.60	1 / 1	25.63	26.23	0.419	30.00	-3.77
	QPSK	1725.0	0.60	1 / 80	25.69	26.29	0.425	30.00	-3.71
		1745.0	0.60	1 / 158	25.55	26.15	0.412	30.00	-3.85
		1765.0	0.60	1 / 80	25.70	<b>26.30</b>	0.427	30.00	-3.70
	16-QAM	1765.0	0.60	1 / 80	24.87	25.47	0.352	30.00	-4.53
64-QAM	1745.0	0.60	1 / 1	24.14	24.74	0.298	30.00	-5.26	
256-QAM	1725.0	0.60	1 / 1	22.02	22.62	0.183	30.00	-7.38	
35 MHz	π/2 BPSK	1727.5	0.60	1 / 186	25.62	26.22	0.419	30.00	-3.78
		1745.0	0.60	1 / 186	25.68	26.28	0.425	30.00	-3.72
		1762.5	0.60	1 / 186	25.57	26.17	0.414	30.00	-3.83
	QPSK	1727.5	0.60	1 / 1	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1745.0	0.60	1 / 1	25.64	26.24	0.420	30.00	-3.76
		1762.5	0.60	1 / 1	25.50	26.10	0.408	30.00	-3.90
	16-QAM	1762.5	0.60	1 / 1	24.81	25.41	0.347	30.00	-4.59
64-QAM	1762.5	0.60	1 / 186	24.33	24.93	0.311	30.00	-5.07	
256-QAM	1745.0	0.60	1 / 186	22.47	23.07	0.203	30.00	-6.93	
40 MHz	π/2 BPSK	1730.0	0.60	1 / 108	25.56	26.16	0.413	30.00	-3.84
		1745.0	0.60	1 / 214	25.67	26.27	0.423	30.00	-3.73
		1760.0	0.60	1 / 214	25.60	26.20	0.417	30.00	-3.80
	QPSK	1730.0	0.60	1 / 108	25.70	<b>26.30</b>	0.427	30.00	-3.70
		1745.0	0.60	1 / 1	25.62	26.22	0.419	30.00	-3.78
		1760.0	0.60	1 / 108	25.63	26.23	0.419	30.00	-3.77
	16-QAM	1730.0	0.60	1 / 214	24.91	25.51	0.356	30.00	-4.49
64-QAM	1730.0	0.60	1 / 1	24.12	24.72	0.297	30.00	-5.28	
256-QAM	1745.0	0.60	1 / 1	22.15	22.75	0.188	30.00	-7.25	


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

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	Page 275 of 344
	EUT Type: Tablet Device	

## NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-1.00	1 / 1	25.47	<b>24.47</b>	0.280	30.00	-5.53
		1702.5	-1.00	1 / 12	25.50	24.50	0.282	30.00	-5.50
		1707.5	-1.00	1 / 1	25.57	24.57	0.287	30.00	-5.43
	QPSK	1697.5	-1.00	1 / 23	25.48	24.48	0.280	30.00	-5.52
		1702.5	-1.00	1 / 23	25.58	<b>24.58</b>	0.287	30.00	-5.42
		1707.5	-1.00	1 / 12	25.57	24.57	0.287	30.00	-5.43
	16-QAM	1702.5	-1.00	1 / 23	24.82	23.82	0.241	30.00	-6.18
	64-QAM	1697.5	-1.00	1 / 23	23.84	22.84	0.192	30.00	-7.16
256-QAM	1707.5	-1.00	1 / 12	21.80	20.80	0.120	30.00	-9.20	
10 MHz	π/2 BPSK	1697.5	-1.00	1 / 50	25.47	24.47	0.280	30.00	-5.53
		1702.5	-1.00	1 / 50	25.47	24.47	0.280	30.00	-5.53
		1707.5	-1.00	1 / 50	25.55	24.55	0.285	30.00	-5.45
	QPSK	1697.5	-1.00	1 / 50	25.44	24.44	0.278	30.00	-5.56
		1702.5	-1.00	1 / 50	25.50	24.50	0.282	30.00	-5.50
		1707.5	-1.00	1 / 50	25.57	24.57	0.287	30.00	-5.43
	16-QAM	1697.5	-1.00	1 / 50	24.78	23.78	0.239	30.00	-6.22
	64-QAM	1707.5	-1.00	1 / 50	23.87	22.87	0.193	30.00	-7.13
256-QAM	1707.5	-1.00	1 / 50	21.74	20.74	0.119	30.00	-9.26	
15 MHz	π/2 BPSK	1697.5	-1.00	1 / 77	25.54	<b>24.54</b>	0.284	30.00	-5.46
		1702.5	-1.00	1 / 36	25.62	24.62	0.290	30.00	-5.38
		1707.5	-1.00	1 / 77	25.62	24.62	0.289	30.00	-5.38
	QPSK	1697.5	-1.00	1 / 77	25.51	24.51	0.283	30.00	-5.49
		1702.5	-1.00	1 / 1	25.67	<b>24.67</b>	0.293	30.00	-5.33
	16-QAM	1697.5	-1.00	1 / 77	24.85	23.85	0.242	30.00	-6.15
	64-QAM	1707.5	-1.00	1 / 77	23.94	22.94	0.197	30.00	-7.06
	256-QAM	1702.5	-1.00	1 / 77	21.86	20.86	0.122	30.00	-9.14


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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 276 of 344

## NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-1.70	1 / 1	25.70	<b>21.85</b>	0.153	34.77	-12.92
		680.5	-1.70	1 / 12	25.70	<b>21.85</b>	0.153	34.77	-12.92
		695.5	-1.70	1 / 12	25.63	21.78	0.151	34.77	-12.99
	QPSK	665.5	-1.70	1 / 12	25.65	21.80	0.151	34.77	-12.97
		680.5	-1.70	1 / 23	25.62	21.77	0.150	34.77	-13.00
		695.5	-1.70	1 / 12	25.67	21.82	0.152	34.77	-12.96
	16-QAM	665.5	-1.70	1 / 12	25.00	21.15	0.130	34.77	-13.62
	64-QAM	680.5	-1.70	1 / 12	23.99	20.14	0.103	34.77	-14.63
256-QAM	680.5	-1.70	1 / 1	21.95	18.10	0.065	34.77	-16.67	
10 MHz	π/2 BPSK	668.0	-1.70	1 / 25	25.58	21.73	0.149	34.77	-13.05
		680.5	-1.70	1 / 25	25.64	21.79	0.151	34.77	-12.98
		693.0	-1.70	1 / 1	25.69	21.84	0.153	34.77	-12.94
	QPSK	668.0	-1.70	1 / 25	25.68	21.83	0.152	34.77	-12.94
		680.5	-1.70	1 / 25	25.70	<b>21.85</b>	0.153	34.77	-12.92
		693.0	-1.70	1 / 1	25.67	21.82	0.152	34.77	-12.95
	16-QAM	693.0	-1.70	1 / 50	24.87	21.02	0.126	34.77	-13.75
	64-QAM	668.0	-1.70	1 / 50	23.97	20.12	0.103	34.77	-14.65
256-QAM	693.0	-1.70	1 / 50	21.84	17.99	0.063	34.77	-16.78	
15 MHz	π/2 BPSK	670.5	-1.70	1 / 77	25.70	<b>21.85</b>	0.153	34.77	-12.92
		680.5	-1.70	1 / 77	25.64	21.79	0.151	34.77	-12.98
		690.5	-1.70	1 / 77	25.65	21.80	0.151	34.77	-12.98
	QPSK	670.5	-1.70	1 / 77	25.69	21.84	0.153	34.77	-12.93
		680.5	-1.70	1 / 1	25.68	21.83	0.153	34.77	-12.94
		690.5	-1.70	1 / 1	25.60	21.75	0.150	34.77	-13.02
	16-QAM	690.5	-1.70	1 / 36	24.86	21.01	0.126	34.77	-13.76
	64-QAM	690.5	-1.70	1 / 77	24.02	20.17	0.104	34.77	-14.60
256-QAM	690.5	-1.70	1 / 77	22.08	18.23	0.067	34.77	-16.54	
20 MHz	π/2 BPSK	673.0	-1.70	1 / 1	25.64	21.79	0.151	34.77	-12.99
		680.5	-1.70	1 / 1	25.69	21.84	0.153	34.77	-12.93
		688.0	-1.70	1 / 50	25.66	21.81	0.152	34.77	-12.96
	QPSK	673.0	-1.70	1 / 1	25.70	<b>21.85</b>	0.153	34.77	-12.92
		680.5	-1.70	1 / 104	25.64	21.79	0.151	34.77	-12.98
		688.0	-1.70	1 / 104	25.68	21.83	0.152	34.77	-12.94
	16-QAM	688.0	-1.70	1 / 50	25.15	21.30	0.135	34.77	-13.47
	64-QAM	688.0	-1.70	1 / 104	24.00	20.15	0.103	34.77	-14.63
256-QAM	688.0	-1.70	1 / 50	21.93	18.08	0.064	34.77	-16.69	

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 277 of 344

## NR Band n12


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	701.5	-1.80	1 / 23	25.65	<b>21.70</b>	0.148	34.77	-13.07
		707.5	-1.80	1 / 1	25.68	21.73	0.149	34.77	-13.04
		713.5	-1.80	1 / 12	25.70	<b>21.75</b>	0.150	34.77	-13.02
	QPSK	701.5	-1.80	1 / 12	25.58	21.63	0.146	34.77	-13.14
		707.5	-1.80	1 / 12	25.59	21.64	0.146	34.77	-13.13
		713.5	-1.80	1 / 1	25.59	21.64	0.146	34.77	-13.13
	16-QAM	701.5	-1.80	1 / 12	24.71	20.76	0.119	34.77	-14.01
	64-QAM	707.5	-1.80	1 / 23	23.68	19.73	0.094	34.77	-15.04
256-QAM	713.5	-1.80	1 / 1	21.89	17.94	0.062	34.77	-16.83	
10 MHz	π/2 BPSK	704.0	-1.80	1 / 25	25.70	<b>21.75</b>	0.149	34.77	-13.03
		707.5	-1.80	1 / 25	25.70	21.75	0.149	34.77	-13.03
		711.0	-1.80	1 / 25	25.63	21.68	0.147	34.77	-13.09
	QPSK	704.0	-1.80	1 / 1	25.61	21.66	0.147	34.77	-13.11
		707.5	-1.80	1 / 25	25.65	21.70	0.148	34.77	-13.07
		711.0	-1.80	1 / 25	25.70	<b>21.75</b>	0.150	34.77	-13.02
	16-QAM	707.5	-1.80	1 / 50	24.78	20.83	0.121	34.77	-13.94
	64-QAM	707.5	-1.80	1 / 50	23.88	19.93	0.098	34.77	-14.84
256-QAM	711.0	-1.80	1 / 25	21.96	18.01	0.063	34.77	-16.76	
15 MHz	π/2 BPSK	706.5	-1.80	1 / 1	25.70	21.75	0.149	34.77	-13.03
		707.5	-1.80	1 / 36	25.69	21.74	0.149	34.77	-13.04
		708.5	-1.80	1 / 36	25.70	21.75	0.150	34.77	-13.02
	QPSK	706.5	-1.80	1 / 1	25.70	<b>21.75</b>	0.150	34.77	-13.02
		707.5	-1.80	1 / 1	25.62	21.67	0.147	34.77	-13.10
		708.5	-1.80	1 / 1	25.66	21.71	0.148	34.77	-13.06
	16-QAM	707.5	-1.80	1 / 1	24.86	20.91	0.123	34.77	-13.86
	64-QAM	706.5	-1.80	1 / 36	24.05	20.10	0.102	34.77	-14.67
256-QAM	708.5	-1.80	1 / 77	22.08	18.13	0.065	34.77	-16.65	

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

## WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.58	0.60	<b>26.18</b>	0.415	30.00	-3.82
1732.60	WCDMA1700	25.62	0.60	<b>26.22</b>	<b>0.419</b>	30.00	-3.78
1752.60	WCDMA1700	25.49	0.60	26.09	0.406	30.00	-3.91

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


FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 278 of 344

## 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	1.60	1 / 5	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1745.0	1.60	1 / 0	25.37	26.97	0.498	30.00	-3.03
		1779.3	1.60	1 / 0	25.47	27.07	0.509	30.00	-2.93
	16-QAM	1745.0	1.60	1 / 3	24.79	26.39	0.436	30.00	-3.61
	64-QAM	1779.3	1.60	1 / 0	23.66	25.26	0.336	30.00	-4.74
256-QAM	1710.7	1.60	1 / 0	20.63	22.23	0.167	30.00	-7.77	
3 MHz	QPSK	1711.5	1.60	1 / 0	25.47	<b>27.07</b>	0.509	30.00	-2.93
		1745.0	1.60	1 / 0	25.41	27.01	0.502	30.00	-2.99
		1778.5	1.60	1 / 0	25.45	27.05	0.507	30.00	-2.95
	16-QAM	1778.5	1.60	1 / 0	24.96	26.56	0.453	30.00	-3.44
	64-QAM	1711.5	1.60	1 / 0	23.73	25.33	0.341	30.00	-4.67
256-QAM	1778.5	1.60	1 / 0	20.65	22.25	0.168	30.00	-7.75	
5 MHz	QPSK	1712.5	1.60	1 / 0	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1745.0	1.60	1 / 0	25.40	27.00	0.501	30.00	-3.00
		1777.5	1.60	1 / 0	25.39	26.99	0.500	30.00	-3.01
	16-QAM	1777.5	1.60	1 / 0	24.86	26.46	0.443	30.00	-3.54
	64-QAM	1777.5	1.60	1 / 0	23.75	25.35	0.343	30.00	-4.65
256-QAM	1712.5	1.60	1 / 0	20.62	22.22	0.167	30.00	-7.78	
10 MHz	QPSK	1715.0	1.60	1 / 0	25.46	<b>27.06</b>	0.508	30.00	-2.94
		1745.0	1.60	1 / 0	25.37	26.97	0.498	30.00	-3.03
		1775.0	1.60	1 / 0	25.45	27.05	0.507	30.00	-2.95
	16-QAM	1775.0	1.60	1 / 49	24.87	26.47	0.444	30.00	-3.53
	64-QAM	1775.0	1.60	1 / 0	23.70	25.30	0.339	30.00	-4.70
256-QAM	1775.0	1.60	1 / 0	20.66	22.26	0.168	30.00	-7.74	
15 MHz	QPSK	1717.5	1.60	1 / 74	25.31	26.91	0.491	30.00	-3.09
		1745.0	1.60	1 / 74	25.35	<b>26.95</b>	0.495	30.00	-3.05
		1772.5	1.60	1 / 0	25.28	26.88	0.488	30.00	-3.12
	16-QAM	1772.5	1.60	1 / 0	24.65	26.25	0.422	30.00	-3.75
	64-QAM	1717.5	1.60	1 / 74	23.59	25.19	0.330	30.00	-4.81
256-QAM	1772.5	1.60	1 / 0	20.64	22.24	0.167	30.00	-7.76	
20 MHz	QPSK	1720.0	1.60	1 / 99	25.30	26.90	0.490	30.00	-3.10
		1745.0	1.60	1 / 0	24.99	26.59	0.456	30.00	-3.41
		1770.0	1.60	1 / 0	25.40	<b>27.00</b>	0.501	30.00	-3.00
	16-QAM	1770.0	1.60	1 / 0	24.69	26.29	0.426	30.00	-3.71
	64-QAM	1720.0	1.60	1 / 0	23.58	25.18	0.330	30.00	-4.82
256-QAM	1720.0	1.60	1 / 0	20.51	22.11	0.163	30.00	-7.89	


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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 279 of 344

### 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	1.60	1 / 0	25.10	<b>26.70</b>	0.468	30.00	-3.30
		1732.5	1.60	1 / 0	24.95	26.55	0.452	30.00	-3.45
		1754.3	1.60	1 / 0	24.93	26.53	0.450	30.00	-3.47
	16-QAM	1754.3	1.60	1 / 5	24.25	25.85	0.385	30.00	-4.15
	64-QAM	1710.7	1.60	1 / 3	23.27	24.87	0.307	30.00	-5.13
256-QAM	1754.3	1.60	1 / 0	20.14	21.74	0.149	30.00	-8.26	
3 MHz	QPSK	1711.5	1.60	1 / 0	25.04	<b>26.64</b>	0.461	30.00	-3.36
		1732.5	1.60	1 / 0	24.99	26.59	0.456	30.00	-3.41
		1753.5	1.60	1 / 0	24.90	26.50	0.447	30.00	-3.50
	16-QAM	1753.5	1.60	1 / 0	24.37	25.97	0.395	30.00	-4.03
	64-QAM	1711.5	1.60	1 / 0	23.26	24.86	0.306	30.00	-5.14
256-QAM	1753.5	1.60	1 / 0	20.25	21.85	0.153	30.00	-8.15	
5 MHz	QPSK	1712.5	1.60	1 / 0	25.14	<b>26.74</b>	0.472	30.00	-3.26
		1732.5	1.60	1 / 0	25.07	26.67	0.465	30.00	-3.33
		1752.5	1.60	1 / 0	24.83	26.43	0.440	30.00	-3.57
	16-QAM	1712.5	1.60	1 / 0	24.44	26.04	0.402	30.00	-3.96
	64-QAM	1712.5	1.60	1 / 0	23.32	24.92	0.310	30.00	-5.08
256-QAM	1712.5	1.60	1 / 12	20.22	21.82	0.152	30.00	-8.18	
10 MHz	QPSK	1715.0	1.60	1 / 0	24.96	26.56	0.453	30.00	-3.44
		1732.5	1.60	1 / 0	25.00	<b>26.60</b>	0.457	30.00	-3.40
		1750.0	1.60	1 / 0	24.91	26.51	0.448	30.00	-3.49
	16-QAM	1750.0	1.60	1 / 0	24.42	26.02	0.400	30.00	-3.98
	64-QAM	1715.0	1.60	1 / 0	23.23	24.83	0.304	30.00	-5.17
256-QAM	1750.0	1.60	1 / 0	20.18	21.78	0.151	30.00	-8.22	
15 MHz	QPSK	1717.5	1.60	1 / 0	24.87	26.47	0.444	30.00	-3.53
		1732.5	1.60	1 / 74	24.93	<b>26.53</b>	0.450	30.00	-3.47
		1747.5	1.60	1 / 0	24.75	26.35	0.432	30.00	-3.65
	16-QAM	1747.5	1.60	1 / 74	24.17	25.77	0.378	30.00	-4.23
	64-QAM	1717.5	1.60	1 / 74	23.17	24.77	0.300	30.00	-5.23
256-QAM	1747.5	1.60	1 / 0	20.05	21.65	0.146	30.00	-8.35	
20 MHz	QPSK	1720.0	1.60	1 / 0	24.81	26.41	0.438	30.00	-3.59
		1732.5	1.60	1 / 99	24.58	26.18	0.415	30.00	-3.82
		1745.0	1.60	1 / 99	24.83	<b>26.43</b>	0.440	30.00	-3.57
	16-QAM	1745.0	1.60	1 / 0	24.25	25.85	0.385	30.00	-4.15
	64-QAM	1732.5	1.60	1 / 99	23.21	24.81	0.303	30.00	-5.19
256-QAM	1720.0	1.60	1 / 99	19.99	21.59	0.144	30.00	-8.41	


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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 280 of 344

### LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-1.80	1 / 0	24.70	<b>20.75</b>	0.119	34.77	-14.02
		680.5	-1.80	1 / 0	24.39	<b>20.44</b>	0.111	34.77	-14.33
		695.5	-1.80	1 / 0	24.32	20.37	0.109	34.77	-14.40
	16-QAM	665.5	-1.80	1 / 0	23.92	19.97	0.099	34.77	-14.80
	64-QAM	665.5	-1.80	1 / 24	22.65	18.70	0.074	34.77	-16.07
256-QAM	665.5	-1.80	1 / 0	19.61	15.66	0.037	34.77	-19.11	
10 MHz	QPSK	668.0	-1.80	1 / 25	24.30	<b>20.35</b>	0.108	34.77	-14.42
		680.5	-1.80	1 / 25	24.33	20.38	0.109	34.77	-14.39
		693.0	-1.80	1 / 25	24.30	20.35	0.108	34.77	-14.42
	16-QAM	693.0	-1.80	1 / 0	23.68	19.73	0.094	34.77	-15.04
	64-QAM	668.0	-1.80	1 / 0	22.77	18.82	0.076	34.77	-15.95
256-QAM	668.0	-1.80	1 / 0	19.56	15.61	0.036	34.77	-19.16	
15 MHz	QPSK	670.5	-1.80	1 / 37	24.29	20.34	0.108	34.77	-14.43
		680.5	-1.80	1 / 0	24.17	20.22	0.105	34.77	-14.55
		690.5	-1.80	1 / 0	24.13	20.18	0.104	34.77	-14.59
	16-QAM	690.5	-1.80	1 / 0	23.59	19.64	0.092	34.77	-15.13
	64-QAM	670.5	-1.80	1 / 37	22.54	18.59	0.072	34.77	-16.18
256-QAM	680.5	-1.80	1 / 74	19.34	15.39	0.035	34.77	-19.38	
20 MHz	QPSK	673.0	-1.80	1 / 50	24.27	20.32	0.108	34.77	-14.45
		680.5	-1.80	1 / 50	23.88	19.93	0.098	34.77	-14.84
		688.0	-1.80	1 / 0	24.24	20.29	0.107	34.77	-14.48
	16-QAM	688.0	-1.80	1 / 0	23.97	20.02	0.100	34.77	-14.75
	64-QAM	673.0	-1.80	1 / 50	22.55	18.60	0.072	34.77	-16.17
256-QAM	673.0	-1.80	1 / 50	19.45	15.50	0.035	34.77	-19.27	

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


FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 281 of 344



### LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-1.60	1 / 0	24.58	<b>20.83</b>	0.121	34.77	-13.94
		707.5	-1.60	1 / 0	24.50	20.75	0.119	34.77	-14.02
		715.3	-1.60	1 / 0	24.64	<b>20.89</b>	0.123	34.77	-13.88
	16-QAM	699.7	-1.60	1 / 3	23.85	20.10	0.102	34.77	-14.67
	64-QAM	699.7	-1.60	1 / 3	22.84	19.09	0.081	34.77	-15.68
	256-QAM	699.7	-1.60	1 / 0	19.79	16.04	0.040	34.77	-18.73
3 MHz	QPSK	700.5	-1.60	1 / 0	24.47	20.72	0.118	34.77	-14.05
		707.5	-1.60	1 / 0	24.48	<b>20.73</b>	0.118	34.77	-14.04
		714.5	-1.60	1 / 0	24.48	<b>20.73</b>	0.118	34.77	-14.04
	16-QAM	700.5	-1.60	1 / 0	23.94	20.19	0.104	34.77	-14.58
	64-QAM	700.5	-1.60	1 / 0	22.94	19.19	0.083	34.77	-15.58
	256-QAM	714.5	-1.60	1 / 0	19.79	16.04	0.040	34.77	-18.73
5 MHz	QPSK	701.5	-1.60	1 / 0	24.70	<b>20.95</b>	0.124	34.77	-13.82
		707.5	-1.60	1 / 0	24.63	20.88	0.122	34.77	-13.89
		713.5	-1.60	1 / 0	24.52	20.77	0.119	34.77	-14.00
	16-QAM	701.5	-1.60	1 / 0	24.01	20.26	0.106	34.77	-14.51
	64-QAM	713.5	-1.60	1 / 0	23.00	19.25	0.084	34.77	-15.52
	256-QAM	713.5	-1.60	1 / 0	19.72	15.97	0.040	34.77	-18.80
10 MHz	QPSK	704.0	-1.60	1 / 25	24.44	20.69	0.117	34.77	-14.08
		707.5	-1.60	1 / 25	24.62	<b>20.87</b>	0.122	34.77	-13.90
		711.0	-1.60	1 / 49	24.43	20.68	0.117	34.77	-14.09
	16-QAM	711.0	-1.60	1 / 49	23.99	20.24	0.106	34.77	-14.53
	64-QAM	707.5	-1.60	1 / 49	22.83	19.08	0.081	34.77	-15.69
	256-QAM	704.0	-1.60	1 / 25	19.72	15.97	0.040	34.77	-18.80

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 282 of 344

### LTE Band 17


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-1.60	1 / 0	24.70	<b>20.95</b>	0.124	34.77	-13.82
		710.0	-1.60	1 / 0	24.63	20.88	0.122	34.77	-13.89
		713.5	-1.60	1 / 0	24.66	<b>20.91</b>	0.123	34.77	-13.86
	16-QAM	706.5	-1.60	1 / 0	24.18	20.43	0.110	34.77	-14.34
	64-QAM	706.5	-1.60	1 / 12	22.92	19.17	0.083	34.77	-15.60
	256-QAM	706.5	-1.60	1 / 0	19.91	16.16	0.041	34.77	-18.61
10 MHz	QPSK	709.0	-1.60	1 / 25	24.52	20.77	0.119	34.77	-14.00
		710.0	-1.60	1 / 25	24.66	<b>20.91</b>	0.123	34.77	-13.86
		711.0	-1.60	1 / 25	24.52	20.77	0.119	34.77	-14.00
	16-QAM	709.0	-1.60	1 / 25	23.98	20.23	0.105	34.77	-14.54
	64-QAM	709.0	-1.60	1 / 25	22.99	19.24	0.084	34.77	-15.53
	256-QAM	711.0	-1.60	1 / 25	19.91	16.16	0.041	34.77	-18.61

Table 7-17. Antenna 2 ERP 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]
5 MHz	QPSK	779.5	-2.30	1 / 0	24.70	<b>20.25</b>	0.106	34.77	-14.52
		782.0	-2.30	1 / 0	24.70	<b>20.25</b>	0.106	34.77	-14.52
		784.5	-2.30	1 / 0	24.44	19.99	0.100	34.77	-14.78
	16-QAM	779.5	-2.30	1 / 0	23.89	19.44	0.088	34.77	-15.33
	64-QAM	782.0	-2.30	1 / 0	23.02	18.57	0.072	34.77	-16.20
	256-QAM	782.0	-2.30	1 / 0	19.77	15.32	0.034	34.77	-19.45
10 MHz	QPSK	782.0	-2.30	1 / 0	24.43	<b>19.98</b>	0.100	34.77	-14.79
	16-QAM	782.0	-2.30	1 / 25	23.96	19.51	0.089	34.77	-15.26
	64-QAM	782.0	-2.30	1 / 25	22.66	18.21	0.066	34.77	-16.56
	256-QAM	782.0	-2.30	1 / 0	19.79	15.34	0.034	34.77	-19.43

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 283 of 344

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	1.60	1 / 23	25.30	26.90	0.490	30.00	-3.10
		1745.0	1.60	1 / 1	25.32	26.92	0.492	30.00	-3.08
		1777.5	1.60	1 / 23	25.25	26.85	0.485	30.00	-3.15
	QPSK	1712.5	1.60	1 / 1	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1745.0	1.60	1 / 1	25.26	26.86	0.486	30.00	-3.14
		1777.5	1.60	1 / 1	25.34	26.94	0.494	30.00	-3.06
	16-QAM	1712.5	1.60	1 / 1	24.56	26.16	0.414	30.00	-3.84
64-QAM	1777.5	1.60	1 / 12	23.46	25.06	0.321	30.00	-4.94	
256-QAM	1712.5	1.60	1 / 1	21.54	23.14	0.206	30.00	-6.86	
10 MHz	π/2 BPSK	1715.0	1.60	1 / 1	25.47	27.07	0.509	30.00	-2.93
		1745.0	1.60	1 / 50	25.41	27.01	0.502	30.00	-2.99
		1775.0	1.60	1 / 25	25.28	26.88	0.488	30.00	-3.12
	QPSK	1715.0	1.60	1 / 25	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1745.0	1.60	1 / 50	25.48	27.08	0.510	30.00	-2.92
		1775.0	1.60	1 / 25	25.27	26.87	0.486	30.00	-3.13
	16-QAM	1715.0	1.60	1 / 25	24.73	26.33	0.430	30.00	-3.67
64-QAM	1715.0	1.60	1 / 25	23.68	25.28	0.337	30.00	-4.72	
256-QAM	1745.0	1.60	1 / 50	21.80	23.40	0.219	30.00	-6.60	
15 MHz	π/2 BPSK	1717.5	1.60	1 / 77	25.37	26.97	0.498	30.00	-3.03
		1745.0	1.60	1 / 36	25.35	26.95	0.496	30.00	-3.05
		1772.5	1.60	1 / 36	25.42	27.02	0.504	30.00	-2.98
	QPSK	1717.5	1.60	1 / 1	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1745.0	1.60	1 / 36	25.40	27.00	0.501	30.00	-3.00
		1772.5	1.60	1 / 1	25.48	27.08	0.510	30.00	-2.92
	16-QAM	1772.5	1.60	1 / 77	25.04	26.64	0.461	30.00	-3.36
64-QAM	1772.5	1.60	1 / 77	23.73	25.33	0.341	30.00	-4.67	
256-QAM	1772.5	1.60	1 / 1	21.60	23.20	0.209	30.00	-6.80	
20 MHz	π/2 BPSK	1720.0	1.60	1 / 1	25.43	27.03	0.505	30.00	-2.97
		1745.0	1.60	1 / 1	25.41	27.01	0.502	30.00	-2.99
		1770.0	1.60	1 / 50	25.47	27.07	0.510	30.00	-2.93
	QPSK	1720.0	1.60	1 / 1	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1745.0	1.60	1 / 1	25.38	26.98	0.499	30.00	-3.02
		1770.0	1.60	1 / 104	25.39	26.99	0.500	30.00	-3.01
	16-QAM	1720.0	1.60	1 / 50	24.61	26.21	0.418	30.00	-3.79
64-QAM	1720.0	1.60	1 / 1	23.92	25.52	0.357	30.00	-4.48	
256-QAM	1745.0	1.60	1 / 50	21.66	23.26	0.212	30.00	-6.74	
25 MHz	π/2 BPSK	1722.5	1.60	1 / 1	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1745.0	1.60	1 / 1	25.44	27.04	0.506	30.00	-2.96
		1767.5	1.60	1 / 131	25.49	27.09	0.512	30.00	-2.91
	QPSK	1722.5	1.60	1 / 131	25.43	27.03	0.505	30.00	-2.97
		1745.0	1.60	1 / 1	25.33	26.93	0.494	30.00	-3.07
		1767.5	1.60	1 / 64	25.40	27.00	0.501	30.00	-3.00
	16-QAM	1722.5	1.60	1 / 1	24.86	26.46	0.443	30.00	-3.54
64-QAM	1722.5	1.60	1 / 1	23.87	25.47	0.352	30.00	-4.53	
256-QAM	1722.5	1.60	1 / 1	21.68	23.28	0.213	30.00	-6.72	
30 MHz	π/2 BPSK	1725.0	1.60	1 / 80	25.48	27.08	0.510	30.00	-2.92
		1745.0	1.60	1 / 158	25.41	27.01	0.502	30.00	-2.99
		1765.0	1.60	1 / 80	25.44	27.04	0.506	30.00	-2.96
	QPSK	1725.0	1.60	1 / 158	25.43	27.03	0.504	30.00	-2.97
		1745.0	1.60	1 / 1	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1765.0	1.60	1 / 80	25.43	27.03	0.505	30.00	-2.97
	16-QAM	1725.0	1.60	1 / 1	24.68	26.28	0.424	30.00	-3.72
64-QAM	1765.0	1.60	1 / 158	23.79	25.39	0.346	30.00	-4.61	
256-QAM	1765.0	1.60	1 / 50	21.74	23.34	0.216	30.00	-6.66	
35 MHz	π/2 BPSK	1727.5	1.60	1 / 90	25.49	27.09	0.512	30.00	-2.91
		1745.0	1.60	1 / 1	25.33	26.93	0.493	30.00	-3.07
		1762.5	1.60	1 / 90	25.48	27.08	0.510	30.00	-2.92
	QPSK	1727.5	1.60	1 / 1	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1745.0	1.60	1 / 1	25.37	26.97	0.498	30.00	-3.03
		1762.5	1.60	1 / 90	25.41	27.01	0.502	30.00	-2.99
	16-QAM	1762.5	1.60	1 / 90	24.62	26.22	0.418	30.00	-3.78
64-QAM	1727.5	1.60	1 / 186	23.89	25.49	0.354	30.00	-4.51	
256-QAM	1762.5	1.60	1 / 50	21.72	23.32	0.215	30.00	-6.68	
40 MHz	π/2 BPSK	1730.0	1.60	1 / 1	25.45	27.05	0.507	30.00	-2.95
		1745.0	1.60	1 / 214	25.47	27.07	0.509	30.00	-2.93
		1760.0	1.60	1 / 1	25.47	27.07	0.509	30.00	-2.93
	QPSK	1730.0	1.60	1 / 214	25.49	27.09	0.512	30.00	-2.91
		1745.0	1.60	1 / 1	25.50	<b>27.10</b>	0.513	30.00	-2.90
		1760.0	1.60	1 / 108	25.50	27.10	0.512	30.00	-2.90
	16-QAM	1730.0	1.60	1 / 214	24.61	26.21	0.418	30.00	-3.79
64-QAM	1745.0	1.60	1 / 214	23.71	25.31	0.339	30.00	-4.69	
256-QAM	1745.0	1.60	1 / 108	21.86	23.46	0.222	30.00	-6.54	


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

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device
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## NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-0.80	1 / 12	24.96	<b>24.16</b>	0.261	30.00	-5.84
		1702.5	-0.80	1 / 12	24.88	24.08	0.256	30.00	-5.92
		1707.5	-0.80	1 / 1	24.88	24.08	0.256	30.00	-5.92
	QPSK	1697.5	-0.80	1 / 1	25.13	<b>24.33</b>	0.271	30.00	-5.67
		1702.5	-0.80	1 / 1	24.94	24.14	0.260	30.00	-5.86
		1707.5	-0.80	1 / 1	24.89	24.09	0.256	30.00	-5.91
	16-QAM	1697.5	-0.80	1 / 1	24.20	23.40	0.219	30.00	-6.60
	64-QAM	1697.5	-0.80	1 / 1	23.24	22.44	0.176	30.00	-7.56
256-QAM	1707.5	-0.80	1 / 23	21.23	20.43	0.110	30.00	-9.57	
10 MHz	π/2 BPSK	1697.5	-0.80	1 / 25	24.94	24.14	0.259	30.00	-5.86
		1702.5	-0.80	1 / 1	24.96	24.16	0.260	30.00	-5.84
		1707.5	-0.80	1 / 1	24.86	24.06	0.255	30.00	-5.94
	QPSK	1697.5	-0.80	1 / 1	24.99	24.19	0.262	30.00	-5.81
		1702.5	-0.80	1 / 1	24.98	24.18	0.262	30.00	-5.82
		1707.5	-0.80	1 / 25	24.88	24.08	0.256	30.00	-5.92
	16-QAM	1707.5	-0.80	1 / 50	24.06	23.26	0.212	30.00	-6.74
	64-QAM	1697.5	-0.80	1 / 1	23.10	22.30	0.170	30.00	-7.70
256-QAM	1702.5	-0.80	1 / 1	21.17	20.37	0.109	30.00	-9.63	
15 MHz	π/2 BPSK	1697.5	-0.80	1 / 36	24.99	<b>24.19</b>	0.263	30.00	-5.81
		1702.5	-0.80	1 / 36	25.02	24.22	0.264	30.00	-5.78
		1707.5	-0.80	1 / 1	24.91	24.11	0.258	30.00	-5.89
	QPSK	1697.5	-0.80	1 / 1	25.04	24.24	0.265	30.00	-5.76
		1702.5	-0.80	1 / 36	25.13	<b>24.33</b>	0.271	30.00	-5.67
		1707.5	-0.80	1 / 36	24.93	24.13	0.259	30.00	-5.87
	16-QAM	1702.5	-0.80	1 / 36	24.27	23.47	0.222	30.00	-6.53
	64-QAM	1702.5	-0.80	1 / 1	23.38	22.58	0.181	30.00	-7.42
256-QAM	1702.5	-0.80	1 / 77	21.36	20.56	0.114	30.00	-9.44	


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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 285 of 344

## NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-1.80	1 / 1	24.65	<b>20.70</b>	0.118	34.77	-14.07
		680.5	-1.80	1 / 1	24.69	20.74	0.119	34.77	-14.03
		695.5	-1.80	1 / 12	24.66	20.71	0.118	34.77	-14.06
	QPSK	665.5	-1.80	1 / 12	24.68	20.73	0.118	34.77	-14.04
		680.5	-1.80	1 / 12	24.70	<b>20.75</b>	0.119	34.77	-14.02
		695.5	-1.80	1 / 12	24.68	20.73	0.118	34.77	-14.04
	16-QAM	680.5	-1.80	1 / 1	23.83	19.88	0.097	34.77	-14.89
	64-QAM	665.5	-1.80	1 / 1	23.17	19.22	0.084	34.77	-15.55
256-QAM	665.5	-1.80	1 / 1	20.91	16.96	0.050	34.77	-17.81	
10 MHz	π/2 BPSK	668.0	-1.80	1 / 1	24.62	20.67	0.117	34.77	-14.10
		680.5	-1.80	1 / 25	24.70	<b>20.75</b>	0.119	34.77	-14.02
		693.0	-1.80	1 / 1	24.68	20.73	0.118	34.77	-14.04
	QPSK	668.0	-1.80	1 / 50	24.64	20.69	0.117	34.77	-14.08
		680.5	-1.80	1 / 25	24.59	20.64	0.116	34.77	-14.13
		693.0	-1.80	1 / 50	24.60	20.65	0.116	34.77	-14.12
	16-QAM	668.0	-1.80	1 / 25	23.89	19.94	0.099	34.77	-14.83
	64-QAM	693.0	-1.80	1 / 50	23.10	19.15	0.082	34.77	-15.62
256-QAM	680.5	-1.80	1 / 25	20.80	16.85	0.048	34.77	-17.92	
15 MHz	π/2 BPSK	670.5	-1.80	1 / 1	24.69	20.74	0.119	34.77	-14.03
		680.5	-1.80	1 / 36	24.65	20.70	0.118	34.77	-14.07
		690.5	-1.80	1 / 1	24.70	<b>20.75</b>	0.119	34.77	-14.02
	QPSK	670.5	-1.80	1 / 1	24.62	20.67	0.117	34.77	-14.10
		680.5	-1.80	1 / 36	24.65	20.70	0.117	34.77	-14.07
		690.5	-1.80	1 / 36	24.70	20.75	0.119	34.77	-14.02
	16-QAM	670.5	-1.80	1 / 1	23.91	19.96	0.099	34.77	-14.81
	64-QAM	670.5	-1.80	1 / 1	23.16	19.21	0.083	34.77	-15.56
256-QAM	690.5	-1.80	1 / 1	20.87	16.92	0.049	34.77	-17.86	
20 MHz	π/2 BPSK	673.0	-1.80	1 / 1	24.60	20.65	0.116	34.77	-14.12
		680.5	-1.80	1 / 50	24.70	<b>20.75</b>	0.119	34.77	-14.02
		688.0	-1.80	1 / 104	24.68	20.73	0.118	34.77	-14.04
	QPSK	673.0	-1.80	1 / 1	24.49	20.54	0.113	34.77	-14.23
		680.5	-1.80	1 / 50	24.55	20.60	0.115	34.77	-14.17
		688.0	-1.80	1 / 104	24.60	20.65	0.116	34.77	-14.12
	16-QAM	680.5	-1.80	1 / 104	23.72	19.77	0.095	34.77	-15.00
	64-QAM	688.0	-1.80	1 / 1	22.99	19.04	0.080	34.77	-15.73
256-QAM	688.0	-1.80	1 / 104	20.75	16.80	0.048	34.77	-17.97	

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 286 of 344

## NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	701.5	-1.60	1 / 1	24.69	<b>20.94</b>	0.124	34.77	-13.83
		707.5	-1.60	1 / 12	24.55	20.80	0.120	34.77	-13.97
		713.5	-1.60	1 / 23	24.47	20.72	0.118	34.77	-14.05
	QPSK	701.5	-1.60	1 / 1	24.70	<b>20.95</b>	0.124	34.77	-13.82
		707.5	-1.60	1 / 23	24.54	20.79	0.120	34.77	-13.98
		713.5	-1.60	1 / 12	24.47	20.72	0.118	34.77	-14.05
	16-QAM	701.5	-1.60	1 / 12	24.06	20.31	0.107	34.77	-14.46
	64-QAM	701.5	-1.60	1 / 12	23.13	19.38	0.087	34.77	-15.39
256-QAM	701.5	-1.60	1 / 1	20.91	17.16	0.052	34.77	-17.61	
10 MHz	π/2 BPSK	704.0	-1.60	1 / 25	24.69	<b>20.94</b>	0.124	34.77	-13.83
		707.5	-1.60	1 / 1	24.63	20.88	0.123	34.77	-13.89
		711.0	-1.60	1 / 1	24.62	20.87	0.122	34.77	-13.90
	QPSK	704.0	-1.60	1 / 1	24.70	<b>20.95</b>	0.124	34.77	-13.82
		707.5	-1.60	1 / 1	24.65	20.90	0.123	34.77	-13.87
		711.0	-1.60	1 / 25	24.63	20.88	0.122	34.77	-13.89
	16-QAM	704.0	-1.60	1 / 25	23.86	20.11	0.103	34.77	-14.66
	64-QAM	704.0	-1.60	1 / 1	23.19	19.44	0.088	34.77	-15.33
256-QAM	707.5	-1.60	1 / 50	20.92	17.17	0.052	34.77	-17.60	
15 MHz	π/2 BPSK	706.5	-1.60	1 / 36	24.69	20.94	0.124	34.77	-13.83
		707.5	-1.60	1 / 1	24.64	20.89	0.123	34.77	-13.88
		708.5	-1.60	1 / 1	24.70	<b>20.95</b>	0.124	34.77	-13.82
	QPSK	706.5	-1.60	1 / 1	24.67	20.92	0.124	34.77	-13.85
		707.5	-1.60	1 / 1	24.67	20.92	0.124	34.77	-13.85
		708.5	-1.60	1 / 1	24.67	20.92	0.124	34.77	-13.85
	16-QAM	706.5	-1.60	1 / 77	23.96	20.21	0.105	34.77	-14.56
	64-QAM	706.5	-1.60	1 / 36	23.16	19.41	0.087	34.77	-15.36
256-QAM	706.5	-1.60	1 / 36	20.86	17.11	0.051	34.77	-17.66	

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

## WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	23.48	1.60	<b>25.08</b>	0.322	30.00	-4.92
1732.60	WCDMA1700	23.57	1.60	<b>25.17</b>	<b>0.329</b>	30.00	-4.83
1752.60	WCDMA1700	23.52	1.60	25.12	0.325	30.00	-4.88

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


FCC ID: BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 287 of 344

### 7.6.3 Antenna 1b – EIRP

#### LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1710.7	-1.20	1 / 0	25.62	24.42	0.277	30.00	-5.58
		1745.0	-1.20	1 / 0	25.54	24.34	0.272	30.00	-5.66
		1779.3	-1.20	1 / 0	25.70	<b>24.50</b>	0.282	30.00	-5.50
	16-QAM	1745.0	-1.20	1 / 3	24.94	23.74	0.237	30.00	-6.26
	64-QAM	1745.0	-1.20	1 / 0	23.99	22.79	0.190	30.00	-7.21
	256-QAM	1779.3	-1.20	1 / 3	20.81	19.61	0.091	30.00	-10.39
3 MHz	QPSK	1711.5	-1.20	1 / 0	25.47	24.27	0.267	30.00	-5.73
		1745.0	-1.20	1 / 0	25.70	<b>24.50</b>	0.282	30.00	-5.50
		1778.5	-1.20	1 / 0	25.65	24.45	0.279	30.00	-5.55
	16-QAM	1778.5	-1.20	1 / 0	25.15	23.95	0.248	30.00	-6.05
	64-QAM	1711.5	-1.20	1 / 0	23.88	22.68	0.185	30.00	-7.32
	256-QAM	1778.5	-1.20	1 / 0	21.05	19.85	0.097	30.00	-10.15
5 MHz	QPSK	1712.5	-1.20	1 / 0	25.63	24.43	0.277	30.00	-5.57
		1745.0	-1.20	1 / 0	25.70	<b>24.50</b>	0.282	30.00	-5.50
		1777.5	-1.20	1 / 0	25.66	24.46	0.279	30.00	-5.54
	16-QAM	1745.0	-1.20	1 / 0	25.04	23.84	0.242	30.00	-6.16
	64-QAM	1777.5	-1.20	1 / 0	24.13	22.93	0.196	30.00	-7.07
	256-QAM	1745.0	-1.20	1 / 0	20.80	19.60	0.091	30.00	-10.40
10 MHz	QPSK	1715.0	-1.20	1 / 0	25.47	24.27	0.267	30.00	-5.73
		1745.0	-1.20	1 / 0	25.70	<b>24.50</b>	0.282	30.00	-5.50
		1775.0	-1.20	1 / 25	25.70	<b>24.50</b>	0.282	30.00	-5.50
	16-QAM	1775.0	-1.20	1 / 0	25.22	24.02	0.252	30.00	-5.98
	64-QAM	1775.0	-1.20	1 / 0	23.85	22.65	0.184	30.00	-7.35
	256-QAM	1745.0	-1.20	1 / 0	20.78	19.58	0.091	30.00	-10.42
15 MHz	QPSK	1717.5	-1.20	1 / 0	25.51	24.31	0.270	30.00	-5.69
		1745.0	-1.20	1 / 0	25.59	24.39	0.275	30.00	-5.61
		1772.5	-1.20	1 / 0	25.63	<b>24.43</b>	0.277	30.00	-5.57
	16-QAM	1772.5	-1.20	1 / 0	25.04	23.84	0.242	30.00	-6.16
	64-QAM	1717.5	-1.20	1 / 0	23.92	22.72	0.187	30.00	-7.28
	256-QAM	1772.5	-1.20	1 / 0	20.75	19.55	0.090	30.00	-10.45
20 MHz	QPSK	1720.0	-1.20	1 / 99	25.47	24.27	0.267	30.00	-5.73
		1745.0	-1.20	1 / 0	25.31	24.11	0.258	30.00	-5.89
		1770.0	-1.20	1 / 0	25.70	<b>24.50</b>	0.282	30.00	-5.50
	16-QAM	1745.0	-1.20	1 / 0	25.06	23.86	0.243	30.00	-6.14
	64-QAM	1770.0	-1.20	1 / 0	24.17	22.97	0.198	30.00	-7.03
	256-QAM	1770.0	-1.20	1 / 0	20.80	19.60	0.091	30.00	-10.40


Table 7-24. Antenna 1b EIRP Data (LTE Band 66)

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 288 of 344

### 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	-1.20	1 / 0	25.70	<b>24.50</b>	0.282	30.00	-5.50
		1732.5	-1.20	1 / 5	25.40	24.20	0.263	30.00	-5.80
		1754.3	-1.20	1 / 0	25.48	24.28	0.268	30.00	-5.72
	16-QAM	1710.7	-1.20	1 / 5	24.85	23.65	0.232	30.00	-6.35
	64-QAM	1710.7	-1.20	1 / 5	23.78	22.58	0.181	30.00	-7.42
	256-QAM	1710.7	-1.20	1 / 5	20.71	19.51	0.089	30.00	-10.49
3 MHz	QPSK	1711.5	-1.20	1 / 0	25.62	<b>24.42</b>	0.277	30.00	-5.58
		1732.5	-1.20	1 / 0	25.49	24.29	0.269	30.00	-5.71
		1753.5	-1.20	1 / 0	25.29	24.09	0.256	30.00	-5.91
	16-QAM	1711.5	-1.20	1 / 0	24.89	23.69	0.234	30.00	-6.31
	64-QAM	1711.5	-1.20	1 / 14	23.87	22.67	0.185	30.00	-7.33
	256-QAM	1711.5	-1.20	1 / 0	20.76	19.56	0.090	30.00	-10.44
5 MHz	QPSK	1712.5	-1.20	1 / 0	25.70	<b>24.50</b>	0.282	30.00	-5.50
		1732.5	-1.20	1 / 0	25.53	24.33	0.271	30.00	-5.67
		1752.5	-1.20	1 / 0	25.27	24.07	0.255	30.00	-5.93
	16-QAM	1712.5	-1.20	1 / 0	25.04	23.84	0.242	30.00	-6.16
	64-QAM	1712.5	-1.20	1 / 0	23.95	22.75	0.188	30.00	-7.25
	256-QAM	1712.5	-1.20	1 / 0	20.78	19.58	0.091	30.00	-10.42
10 MHz	QPSK	1715.0	-1.20	1 / 25	25.56	<b>24.36</b>	0.273	30.00	-5.64
		1732.5	-1.20	1 / 0	25.53	24.33	0.271	30.00	-5.67
		1750.0	-1.20	1 / 0	25.37	24.17	0.261	30.00	-5.83
	16-QAM	1732.5	-1.20	1 / 0	24.78	23.58	0.228	30.00	-6.42
	64-QAM	1715.0	-1.20	1 / 25	23.89	22.69	0.186	30.00	-7.31
	256-QAM	1715.0	-1.20	1 / 25	20.75	19.55	0.090	30.00	-10.45
15 MHz	QPSK	1717.5	-1.20	1 / 0	25.48	<b>24.28</b>	0.268	30.00	-5.72
		1732.5	-1.20	1 / 0	25.48	<b>24.28</b>	0.268	30.00	-5.72
		1747.5	-1.20	1 / 0	25.16	23.96	0.249	30.00	-6.04
	16-QAM	1717.5	-1.20	1 / 0	24.74	23.54	0.226	30.00	-6.46
	64-QAM	1717.5	-1.20	1 / 37	23.80	22.60	0.182	30.00	-7.40
	256-QAM	1747.5	-1.20	1 / 37	20.57	19.37	0.086	30.00	-10.63
20 MHz	QPSK	1720.0	-1.20	1 / 50	25.28	24.08	0.256	30.00	-5.92
		1732.5	-1.20	1 / 50	25.45	<b>24.25</b>	0.266	30.00	-5.75
		1745.0	-1.20	1 / 50	25.26	24.06	0.255	30.00	-5.94
	16-QAM	1720.0	-1.20	1 / 0	24.88	23.68	0.233	30.00	-6.32
	64-QAM	1720.0	-1.20	1 / 50	23.71	22.51	0.178	30.00	-7.49
	256-QAM	1720.0	-1.20	1 / 0	20.67	19.47	0.089	30.00	-10.53

**Table 7-25. Antenna 1b EIRP Data (LTE Band 4)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 289 of 344



Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-1.20	1 / 23	25.55	24.35	0.272	30.00	-5.65
		1745.0	-1.20	1 / 1	25.42	24.22	0.264	30.00	-5.78
		1777.5	-1.20	1 / 1	25.40	24.20	0.263	30.00	-5.80
	QPSK	1712.5	-1.20	1 / 1	25.57	<b>24.37</b>	0.274	30.00	-5.63
		1745.0	-1.20	1 / 23	25.48	24.28	0.268	30.00	-5.72
		1777.5	-1.20	1 / 1	25.45	24.25	0.266	30.00	-5.75
	16-QAM	1777.5	-1.20	1 / 23	24.71	23.51	0.224	30.00	-6.49
64-QAM	1777.5	-1.20	1 / 1	23.69	22.49	0.178	30.00	-7.51	
256-QAM	1777.5	-1.20	1 / 1	21.66	20.46	0.111	30.00	-9.54	
10 MHz	π/2 BPSK	1715.0	-1.20	1 / 1	25.42	24.22	0.264	30.00	-5.78
		1745.0	-1.20	1 / 1	25.43	24.23	0.265	30.00	-5.77
		1775.0	-1.20	1 / 1	25.43	24.23	0.265	30.00	-5.77
	QPSK	1715.0	-1.20	1 / 1	25.55	<b>24.35</b>	0.272	30.00	-5.65
		1745.0	-1.20	1 / 25	25.36	24.16	0.261	30.00	-5.84
		1775.0	-1.20	1 / 50	25.46	24.26	0.267	30.00	-5.74
	16-QAM	1745.0	-1.20	1 / 1	24.85	23.65	0.232	30.00	-6.35
64-QAM	1775.0	-1.20	1 / 1	23.59	22.39	0.173	30.00	-7.61	
256-QAM	1715.0	-1.20	1 / 1	21.58	20.38	0.109	30.00	-9.62	
15 MHz	π/2 BPSK	1717.5	-1.20	1 / 1	25.69	<b>24.49</b>	0.281	30.00	-5.51
		1745.0	-1.20	1 / 77	25.56	24.36	0.273	30.00	-5.64
		1772.5	-1.20	1 / 77	25.54	24.34	0.272	30.00	-5.66
	QPSK	1717.5	-1.20	1 / 77	25.60	24.40	0.275	30.00	-5.60
		1745.0	-1.20	1 / 36	25.60	24.40	0.276	30.00	-5.60
		1772.5	-1.20	1 / 1	25.61	24.41	0.276	30.00	-5.59
	16-QAM	1772.5	-1.20	1 / 1	24.80	23.60	0.229	30.00	-6.40
64-QAM	1717.5	-1.20	1 / 77	23.26	22.06	0.161	30.00	-7.94	
256-QAM	1717.5	-1.20	1 / 1	21.20	20.00	0.100	30.00	-10.00	
20 MHz	π/2 BPSK	1720.0	-1.20	1 / 104	25.57	24.37	0.274	30.00	-5.63
		1745.0	-1.20	1 / 1	25.52	24.32	0.270	30.00	-5.68
		1770.0	-1.20	1 / 50	25.56	24.36	0.273	30.00	-5.64
	QPSK	1720.0	-1.20	1 / 50	25.67	<b>24.47</b>	0.280	30.00	-5.53
		1745.0	-1.20	1 / 1	25.57	24.37	0.273	30.00	-5.63
		1770.0	-1.20	1 / 50	25.67	24.47	0.280	30.00	-5.53
	16-QAM	1720.0	-1.20	1 / 104	24.91	23.71	0.235	30.00	-6.29
64-QAM	1770.0	-1.20	1 / 1	23.26	22.06	0.161	30.00	-7.94	
256-QAM	1720.0	-1.20	1 / 1	21.19	19.99	0.100	30.00	-10.01	
25 MHz	π/2 BPSK	1722.5	-1.20	1 / 1	25.61	24.41	0.276	30.00	-5.59
		1745.0	-1.20	1 / 1	25.58	24.38	0.274	30.00	-5.62
		1767.5	-1.20	1 / 131	25.60	24.40	0.276	30.00	-5.60
	QPSK	1722.5	-1.20	1 / 1	25.62	24.42	0.277	30.00	-5.58
		1745.0	-1.20	1 / 1	25.66	<b>24.46</b>	0.279	30.00	-5.54
		1767.5	-1.20	1 / 1	25.48	24.28	0.268	30.00	-5.72
	16-QAM	1722.5	-1.20	1 / 131	24.85	23.65	0.232	30.00	-6.35
64-QAM	1745.0	-1.20	1 / 1	23.28	22.08	0.161	30.00	-7.92	
256-QAM	1767.5	-1.20	1 / 99	21.34	20.14	0.103	30.00	-9.86	
30 MHz	π/2 BPSK	1725.0	-1.20	1 / 1	25.36	24.16	0.261	30.00	-5.84
		1745.0	-1.20	1 / 158	25.42	24.22	0.264	30.00	-5.78
		1765.0	-1.20	1 / 80	25.48	24.28	0.268	30.00	-5.72
	QPSK	1725.0	-1.20	1 / 1	25.53	<b>24.33</b>	0.271	30.00	-5.67
		1745.0	-1.20	1 / 80	25.51	24.31	0.270	30.00	-5.69
		1765.0	-1.20	1 / 80	25.48	24.28	0.268	30.00	-5.72
	16-QAM	1745.0	-1.20	1 / 1	24.81	23.61	0.230	30.00	-6.39
64-QAM	1765.0	-1.20	1 / 1	23.10	21.90	0.155	30.00	-8.10	
256-QAM	1725.0	-1.20	1 / 1	21.14	19.94	0.099	30.00	-10.06	
35 MHz	π/2 BPSK	1727.5	-1.20	1 / 1	25.56	24.36	0.273	30.00	-5.64
		1745.0	-1.20	1 / 1	25.68	24.48	0.280	30.00	-5.52
		1762.5	-1.20	1 / 1	25.57	24.37	0.273	30.00	-5.63
	QPSK	1727.5	-1.20	1 / 1	25.57	24.37	0.273	30.00	-5.63
		1745.0	-1.20	1 / 1	25.70	<b>24.50</b>	0.282	30.00	-5.50
		1762.5	-1.20	1 / 1	25.60	24.40	0.275	30.00	-5.60
	16-QAM	1745.0	-1.20	1 / 1	24.94	23.74	0.237	30.00	-6.26
64-QAM	1762.5	-1.20	1 / 90	23.77	22.57	0.181	30.00	-7.43	
256-QAM	1727.5	-1.20	1 / 90	21.72	20.52	0.113	30.00	-9.48	
40 MHz	π/2 BPSK	1730.0	-1.20	1 / 214	25.49	24.29	0.268	30.00	-5.71
		1745.0	-1.20	1 / 214	25.43	24.23	0.265	30.00	-5.77
		1760.0	-1.20	1 / 1	25.45	24.25	0.266	30.00	-5.75
	QPSK	1730.0	-1.20	1 / 108	25.62	<b>24.42</b>	0.276	30.00	-5.58
		1745.0	-1.20	1 / 214	25.53	24.33	0.271	30.00	-5.67
		1760.0	-1.20	1 / 214	25.61	24.41	0.276	30.00	-5.59
	16-QAM	1745.0	-1.20	1 / 214	24.89	23.69	0.234	30.00	-6.31
64-QAM	1730.0	-1.20	1 / 214	23.78	22.58	0.181	30.00	-7.42	
256-QAM	1745.0	-1.20	1 / 1	21.15	19.95	0.099	30.00	-10.05	

Table 7-26. Antenna 1b EIRP Data (NR Band n66)

FCC ID: BCGA2899	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	Page 290 of 344
	EUT Type: Tablet Device	

## NR Band n70


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-2.20	1 / 23	25.52	<b>23.32</b>	0.215	30.00	-6.68
		1702.5	-2.20	1 / 23	25.53	23.33	0.215	30.00	-6.67
		1707.5	-2.20	1 / 1	25.39	23.19	0.209	30.00	-6.81
	QPSK	1697.5	-2.20	1 / 1	25.61	<b>23.41</b>	0.219	30.00	-6.59
		1702.5	-2.20	1 / 1	25.46	23.26	0.212	30.00	-6.74
		1707.5	-2.20	1 / 1	25.53	23.33	0.216	30.00	-6.67
	16-QAM	1697.5	-2.20	1 / 12	24.77	22.57	0.181	30.00	-7.43
	64-QAM	1697.5	-2.20	1 / 1	23.86	21.66	0.147	30.00	-8.34
256-QAM	1697.5	-2.20	1 / 12	21.85	19.65	0.092	30.00	-10.35	
10 MHz	π/2 BPSK	1697.5	-2.20	1 / 25	25.49	23.29	0.213	30.00	-6.71
		1702.5	-2.20	1 / 25	25.46	23.26	0.212	30.00	-6.74
		1707.5	-2.20	1 / 50	25.44	23.24	0.211	30.00	-6.76
	QPSK	1697.5	-2.20	1 / 50	25.51	23.31	0.214	30.00	-6.69
		1702.5	-2.20	1 / 25	25.69	<b>23.49</b>	0.223	30.00	-6.51
		1707.5	-2.20	1 / 1	25.43	23.23	0.210	30.00	-6.77
	16-QAM	1702.5	-2.20	1 / 50	24.67	22.47	0.177	30.00	-7.53
	64-QAM	1697.5	-2.20	1 / 50	23.77	21.57	0.144	30.00	-8.43
256-QAM	1707.5	-2.20	1 / 25	21.68	19.48	0.089	30.00	-10.52	
15 MHz	π/2 BPSK	1697.5	-2.20	1 / 36	25.54	<b>23.34</b>	0.216	30.00	-6.66
		1702.5	-2.20	1 / 36	25.39	23.19	0.209	30.00	-6.81
		1707.5	-2.20	1 / 77	25.48	23.28	0.213	30.00	-6.72
	QPSK	1697.5	-2.20	1 / 77	25.56	23.36	0.217	30.00	-6.64
		1702.5	-2.20	1 / 36	25.62	23.42	0.220	30.00	-6.58
		1707.5	-2.20	1 / 1	25.47	23.27	0.212	30.00	-6.73
	16-QAM	1707.5	-2.20	1 / 77	24.64	22.44	0.175	30.00	-7.56
	64-QAM	1697.5	-2.20	1 / 77	23.81	21.61	0.145	30.00	-8.39
256-QAM	1707.5	-2.20	1 / 36	21.73	19.53	0.090	30.00	-10.47	

Table 7-27. Antenna 1b EIRP Data (NR Band n70)

## 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	-1.20	<b>21.31</b>	0.135	30.00	-8.69
1732.60	WCDMA1700	22.53	-1.20	<b>21.33</b>	<b>0.136</b>	30.00	-8.67
1752.60	WCDMA1700	22.45	-1.20	21.25	0.133	30.00	-8.75

Table 7-28. Antenna 1b ERP/EIRP Data (WCDMA AWS)


FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 291 of 344

## 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	-2.60	1 / 5	25.11	22.51	0.178	30.00	-7.49
		1745.0	-2.60	1 / 0	25.50	<b>22.90</b>	0.195	30.00	-7.10
		1779.3	-2.60	1 / 0	25.26	22.66	0.185	30.00	-7.34
	16-QAM	1745.0	-2.60	1 / 0	24.78	22.18	0.165	30.00	-7.82
	64-QAM	1745.0	-2.60	1 / 5	23.55	20.95	0.124	30.00	-9.05
256-QAM	1745.0	-2.60	1 / 0	20.60	18.00	0.063	30.00	-12.00	
3 MHz	QPSK	1711.5	-2.60	1 / 0	25.16	22.56	0.180	30.00	-7.44
		1745.0	-2.60	1 / 0	25.28	<b>22.68</b>	0.185	30.00	-7.32
		1778.5	-2.60	1 / 0	25.00	22.40	0.174	30.00	-7.60
	16-QAM	1745.0	-2.60	1 / 0	24.77	22.17	0.165	30.00	-7.83
	64-QAM	1745.0	-2.60	1 / 0	23.66	21.06	0.128	30.00	-8.94
256-QAM	1745.0	-2.60	1 / 0	20.55	17.95	0.062	30.00	-12.05	
5 MHz	QPSK	1712.5	-2.60	1 / 0	25.27	22.67	0.185	30.00	-7.33
		1745.0	-2.60	1 / 0	25.37	<b>22.77</b>	0.189	30.00	-7.23
		1777.5	-2.60	1 / 0	25.29	22.69	0.186	30.00	-7.31
	16-QAM	1745.0	-2.60	1 / 0	24.88	22.28	0.169	30.00	-7.72
	64-QAM	1745.0	-2.60	1 / 0	23.64	21.04	0.127	30.00	-8.96
256-QAM	1745.0	-2.60	1 / 0	20.60	18.00	0.063	30.00	-12.00	
10 MHz	QPSK	1715.0	-2.60	1 / 49	25.26	<b>22.66</b>	0.185	30.00	-7.34
		1745.0	-2.60	1 / 0	25.25	22.65	0.184	30.00	-7.35
		1775.0	-2.60	1 / 49	25.06	22.46	0.176	30.00	-7.54
	16-QAM	1745.0	-2.60	1 / 25	24.73	22.13	0.163	30.00	-7.87
	64-QAM	1745.0	-2.60	1 / 25	23.55	20.95	0.124	30.00	-9.05
256-QAM	1745.0	-2.60	1 / 0	20.52	17.92	0.062	30.00	-12.08	
15 MHz	QPSK	1717.5	-2.60	1 / 0	25.08	22.48	0.177	30.00	-7.52
		1745.0	-2.60	1 / 74	25.26	<b>22.66</b>	0.185	30.00	-7.34
		1772.5	-2.60	1 / 37	25.01	22.41	0.174	30.00	-7.59
	16-QAM	1745.0	-2.60	1 / 0	24.55	21.95	0.157	30.00	-8.05
	64-QAM	1745.0	-2.60	1 / 37	23.56	20.96	0.125	30.00	-9.04
256-QAM	1745.0	-2.60	1 / 0	20.42	17.82	0.061	30.00	-12.18	
20 MHz	QPSK	1720.0	-2.60	1 / 99	25.19	<b>22.59</b>	0.182	30.00	-7.41
		1745.0	-2.60	1 / 0	25.19	<b>22.59</b>	0.182	30.00	-7.41
		1770.0	-2.60	1 / 0	25.11	22.51	0.178	30.00	-7.49
	16-QAM	1770.0	-2.60	1 / 0	24.98	22.38	0.173	30.00	-7.62
	64-QAM	1720.0	-2.60	1 / 99	23.50	20.90	0.123	30.00	-9.10
256-QAM	1745.0	-2.60	1 / 0	20.60	18.00	0.063	30.00	-12.00	


Table 7-29. Antenna 3b EIRP Data (LTE Band 66)

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 292 of 344

### 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	-2.60	1 / 0	25.03	<b>22.43</b>	0.175	30.00	-7.57
		1732.5	-2.60	1 / 0	24.90	22.30	0.170	30.00	-7.70
		1754.3	-2.60	1 / 0	25.03	<b>22.43</b>	0.175	30.00	-7.57
	16-QAM	1754.3	-2.60	1 / 0	24.31	21.71	0.148	30.00	-8.29
	64-QAM	1710.7	-2.60	1 / 5	23.26	20.66	0.116	30.00	-9.34
	256-QAM	1754.3	-2.60	1 / 0	20.18	17.58	0.057	30.00	-12.42
3 MHz	QPSK	1711.5	-2.60	1 / 0	25.02	<b>22.42</b>	0.175	30.00	-7.58
		1732.5	-2.60	1 / 0	24.82	22.22	0.167	30.00	-7.78
		1753.5	-2.60	1 / 0	24.75	22.15	0.164	30.00	-7.85
	16-QAM	1711.5	-2.60	1 / 0	24.29	21.69	0.148	30.00	-8.31
	64-QAM	1753.5	-2.60	1 / 0	23.17	20.57	0.114	30.00	-9.43
	256-QAM	1753.5	-2.60	1 / 0	20.04	17.44	0.055	30.00	-12.56
5 MHz	QPSK	1712.5	-2.60	1 / 0	25.04	<b>22.44</b>	0.175	30.00	-7.56
		1732.5	-2.60	1 / 0	24.86	22.26	0.168	30.00	-7.74
		1752.5	-2.60	1 / 0	25.03	22.43	0.175	30.00	-7.57
	16-QAM	1712.5	-2.60	1 / 0	24.43	21.83	0.152	30.00	-8.17
	64-QAM	1732.5	-2.60	1 / 12	23.26	20.66	0.116	30.00	-9.34
	256-QAM	1752.5	-2.60	1 / 0	20.30	17.70	0.059	30.00	-12.30
10 MHz	QPSK	1715.0	-2.60	1 / 25	25.03	<b>22.43</b>	0.175	30.00	-7.57
		1732.5	-2.60	1 / 25	24.83	22.23	0.167	30.00	-7.77
		1750.0	-2.60	1 / 0	24.74	22.14	0.164	30.00	-7.86
	16-QAM	1715.0	-2.60	1 / 25	24.34	21.74	0.149	30.00	-8.26
	64-QAM	1715.0	-2.60	1 / 25	23.19	20.59	0.115	30.00	-9.41
	256-QAM	1715.0	-2.60	1 / 0	20.23	17.63	0.058	30.00	-12.37
15 MHz	QPSK	1717.5	-2.60	1 / 0	24.84	<b>22.24</b>	0.167	30.00	-7.76
		1732.5	-2.60	1 / 74	24.74	22.14	0.164	30.00	-7.86
		1747.5	-2.60	1 / 0	24.68	22.08	0.161	30.00	-7.92
	16-QAM	1717.5	-2.60	1 / 0	24.34	21.74	0.149	30.00	-8.26
	64-QAM	1717.5	-2.60	1 / 0	23.24	20.64	0.116	30.00	-9.36
	256-QAM	1717.5	-2.60	1 / 0	20.11	17.51	0.056	30.00	-12.49
20 MHz	QPSK	1720.0	-2.60	1 / 50	24.92	<b>22.32</b>	0.171	30.00	-7.68
		1732.5	-2.60	1 / 50	24.78	22.18	0.165	30.00	-7.82
		1745.0	-2.60	1 / 50	24.72	22.12	0.163	30.00	-7.88
	16-QAM	1732.5	-2.60	1 / 0	24.33	21.73	0.149	30.00	-8.27
	64-QAM	1745.0	-2.60	1 / 0	23.27	20.67	0.117	30.00	-9.33
	256-QAM	1720.0	-2.60	1 / 0	20.09	17.49	0.056	30.00	-12.51

**Table 7-30. Antenna 3b EIRP Data (LTE Band 4)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 293 of 344

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-2.60	1 / 1	25.31	22.71	0.187	30.00	-7.29
		1745.0	-2.60	1 / 12	25.47	22.87	0.194	30.00	-7.13
		1777.5	-2.60	1 / 23	25.38	22.78	0.190	30.00	-7.22
	QPSK	1712.5	-2.60	1 / 12	25.47	22.87	0.194	30.00	-7.13
		1745.0	-2.60	1 / 12	25.50	<b>22.90</b>	0.195	30.00	-7.10
		1777.5	-2.60	1 / 23	25.40	22.80	0.191	30.00	-7.20
	16-QAM	1745.0	-2.60	1 / 1	24.48	21.88	0.154	30.00	-8.12
64-QAM	1777.5	-2.60	1 / 1	23.75	21.15	0.130	30.00	-8.85	
256-QAM	1777.5	-2.60	1 / 12	21.73	19.13	0.082	30.00	-10.87	
10 MHz	π/2 BPSK	1715.0	-2.60	1 / 1	25.31	22.71	0.187	30.00	-7.29
		1745.0	-2.60	1 / 25	25.49	22.89	0.195	30.00	-7.11
		1775.0	-2.60	1 / 25	25.40	22.80	0.191	30.00	-7.20
	QPSK	1715.0	-2.60	1 / 50	25.26	22.66	0.184	30.00	-7.34
		1745.0	-2.60	1 / 50	25.50	<b>22.90</b>	0.195	30.00	-7.10
		1775.0	-2.60	1 / 25	25.41	22.81	0.191	30.00	-7.19
	16-QAM	1745.0	-2.60	1 / 25	25.02	22.42	0.175	30.00	-7.58
64-QAM	1745.0	-2.60	1 / 1	23.68	21.08	0.128	30.00	-8.92	
256-QAM	1775.0	-2.60	1 / 1	21.63	19.03	0.080	30.00	-10.97	
15 MHz	π/2 BPSK	1717.5	-2.60	1 / 77	25.20	22.60	0.182	30.00	-7.40
		1745.0	-2.60	1 / 77	25.50	<b>22.90</b>	0.195	30.00	-7.10
		1772.5	-2.60	1 / 77	25.31	22.71	0.187	30.00	-7.29
	QPSK	1717.5	-2.60	1 / 77	25.21	22.61	0.183	30.00	-7.39
		1745.0	-2.60	1 / 77	25.45	22.85	0.193	30.00	-7.15
		1772.5	-2.60	1 / 1	25.35	22.75	0.188	30.00	-7.25
	16-QAM	1745.0	-2.60	1 / 77	24.46	21.86	0.154	30.00	-8.14
64-QAM	1745.0	-2.60	1 / 36	23.83	21.23	0.133	30.00	-8.77	
256-QAM	1745.0	-2.60	1 / 1	21.71	19.11	0.082	30.00	-10.89	
20 MHz	π/2 BPSK	1720.0	-2.60	1 / 1	25.45	22.85	0.193	30.00	-7.15
		1745.0	-2.60	1 / 104	25.50	<b>22.90</b>	0.195	30.00	-7.10
		1770.0	-2.60	1 / 1	25.32	22.72	0.187	30.00	-7.28
	QPSK	1720.0	-2.60	1 / 104	25.26	22.66	0.185	30.00	-7.34
		1745.0	-2.60	1 / 104	25.46	22.86	0.193	30.00	-7.14
		1770.0	-2.60	1 / 50	25.34	22.74	0.188	30.00	-7.26
	16-QAM	1770.0	-2.60	1 / 1	24.70	22.10	0.162	30.00	-7.90
64-QAM	1745.0	-2.60	1 / 50	23.74	21.14	0.130	30.00	-8.86	
256-QAM	1745.0	-2.60	1 / 1	21.69	19.09	0.081	30.00	-10.91	
25 MHz	π/2 BPSK	1722.5	-2.60	1 / 131	25.34	22.74	0.188	30.00	-7.26
		1745.0	-2.60	1 / 131	25.50	<b>22.90</b>	0.195	30.00	-7.10
		1767.5	-2.60	1 / 1	25.47	22.87	0.194	30.00	-7.13
	QPSK	1722.5	-2.60	1 / 131	25.36	22.76	0.189	30.00	-7.24
		1745.0	-2.60	1 / 131	25.44	22.84	0.192	30.00	-7.16
		1767.5	-2.60	1 / 1	25.45	22.85	0.193	30.00	-7.15
	16-QAM	1745.0	-2.60	1 / 1	24.54	21.94	0.156	30.00	-8.06
64-QAM	1745.0	-2.60	1 / 64	23.69	21.09	0.129	30.00	-8.91	
256-QAM	1745.0	-2.60	1 / 1	21.67	19.07	0.081	30.00	-10.93	
30 MHz	π/2 BPSK	1725.0	-2.60	1 / 158	25.42	22.82	0.192	30.00	-7.18
		1745.0	-2.60	1 / 80	25.46	22.86	0.193	30.00	-7.14
		1765.0	-2.60	1 / 1	25.40	22.80	0.190	30.00	-7.20
	QPSK	1725.0	-2.60	1 / 158	25.50	<b>22.90</b>	0.195	30.00	-7.10
		1745.0	-2.60	1 / 158	25.45	22.85	0.193	30.00	-7.15
		1765.0	-2.60	1 / 1	25.39	22.79	0.190	30.00	-7.21
	16-QAM	1765.0	-2.60	1 / 80	24.54	21.94	0.156	30.00	-8.06
64-QAM	1745.0	-2.60	1 / 158	23.81	21.21	0.132	30.00	-8.79	
256-QAM	1725.0	-2.60	1 / 158	21.78	19.18	0.083	30.00	-10.82	
35 MHz	π/2 BPSK	1727.5	-2.60	1 / 186	25.46	22.86	0.193	30.00	-7.14
		1745.0	-2.60	1 / 90	25.38	22.78	0.190	30.00	-7.22
		1762.5	-2.60	1 / 1	25.42	22.82	0.191	30.00	-7.18
	QPSK	1727.5	-2.60	1 / 1	25.21	22.61	0.182	30.00	-7.39
		1745.0	-2.60	1 / 90	25.38	22.78	0.190	30.00	-7.22
		1762.5	-2.60	1 / 1	25.50	<b>22.90</b>	0.195	30.00	-7.10
	16-QAM	1762.5	-2.60	1 / 1	24.65	22.05	0.161	30.00	-7.95
64-QAM	1762.5	-2.60	1 / 186	24.32	21.72	0.149	30.00	-8.28	
256-QAM	1727.5	-2.60	1 / 186	22.53	19.93	0.098	30.00	-10.07	
40 MHz	π/2 BPSK	1730.0	-2.60	1 / 1	25.32	22.72	0.187	30.00	-7.28
		1745.0	-2.60	1 / 108	25.50	<b>22.90</b>	0.195	30.00	-7.10
		1760.0	-2.60	1 / 1	25.30	22.70	0.186	30.00	-7.30
	QPSK	1730.0	-2.60	1 / 108	25.24	22.64	0.184	30.00	-7.36
		1745.0	-2.60	1 / 108	25.32	22.72	0.187	30.00	-7.28
		1760.0	-2.60	1 / 1	25.31	22.71	0.187	30.00	-7.29
	16-QAM	1745.0	-2.60	1 / 108	24.42	21.82	0.152	30.00	-8.18
64-QAM	1730.0	-2.60	1 / 214	23.57	20.97	0.125	30.00	-9.03	
256-QAM	1745.0	-2.60	1 / 214	21.86	19.26	0.084	30.00	-10.74	

Table 7-31. Antenna 3b EIRP Data (NR Band n66)

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## NR Band n70

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1697.5	-4.00	1 / 1	25.01	<b>21.01</b>	0.126	30.00	-8.99
		1702.5	-4.00	1 / 12	25.04	21.04	0.127	30.00	-8.96
		1707.5	-4.00	1 / 1	25.11	21.11	0.129	30.00	-8.89
	QPSK	1697.5	-4.00	1 / 23	25.02	21.02	0.126	30.00	-8.98
		1702.5	-4.00	1 / 23	25.12	<b>21.12</b>	0.129	30.00	-8.88
		1707.5	-4.00	1 / 12	25.11	21.11	0.129	30.00	-8.89
	16-QAM	1702.5	-4.00	1 / 23	24.36	20.36	0.109	30.00	-9.64
	64-QAM	1697.5	-4.00	1 / 23	23.38	19.38	0.087	30.00	-10.62
256-QAM	1707.5	-4.00	1 / 12	21.34	17.34	0.054	30.00	-12.66	
10 MHz	π/2 BPSK	1697.5	-4.00	1 / 50	25.01	21.01	0.126	30.00	-8.99
		1702.5	-4.00	1 / 50	25.01	21.01	0.126	30.00	-8.99
		1707.5	-4.00	1 / 50	25.09	21.09	0.128	30.00	-8.91
	QPSK	1697.5	-4.00	1 / 50	24.98	20.98	0.125	30.00	-9.02
		1702.5	-4.00	1 / 50	25.04	21.04	0.127	30.00	-8.96
		1707.5	-4.00	1 / 50	25.11	21.11	0.129	30.00	-8.89
	16-QAM	1707.5	-4.00	1 / 25	24.94	20.94	0.124	30.00	-9.06
	64-QAM	1707.5	-4.00	1 / 50	23.41	19.41	0.087	30.00	-10.59
256-QAM	1707.5	-4.00	1 / 50	21.28	17.28	0.053	30.00	-12.72	
15 MHz	π/2 BPSK	1697.5	-4.00	1 / 77	25.08	<b>21.08</b>	0.128	30.00	-8.92
		1702.5	-4.00	1 / 36	25.06	21.06	0.128	30.00	-8.94
		1707.5	-4.00	1 / 77	25.16	21.16	0.131	30.00	-8.84
	QPSK	1697.5	-4.00	1 / 77	25.06	21.06	0.128	30.00	-8.94
		1702.5	-4.00	1 / 1	25.11	21.11	0.129	30.00	-8.89
		1707.5	-4.00	1 / 77	25.19	<b>21.19</b>	0.132	30.00	-8.81
	16-QAM	1697.5	-4.00	1 / 77	24.39	20.39	0.110	30.00	-9.61
	64-QAM	1707.5	-4.00	1 / 77	23.48	19.48	0.089	30.00	-10.52
256-QAM	1707.5	-4.00	1 / 77	21.36	17.36	0.054	30.00	-12.64	

Table 7-32. Antenna 3b EIRP Data (NR Band n70)

## WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.56	-2.60	<b>21.96</b>	0.157	30.00	-8.04
1732.60	WCDMA1700	24.64	-2.60	<b>22.04</b>	<b>0.160</b>	30.00	-7.96
1752.60	WCDMA1700	24.62	-2.60	22.02	0.159	30.00	-7.98

Table 7-33. Antenna 3b EIRP Data (WCDMA AWS)

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## 7.7 Radiated Spurious Emissions

§2.1053, §27.53(f)

### Test Overview

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


### Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

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

### Test Settings

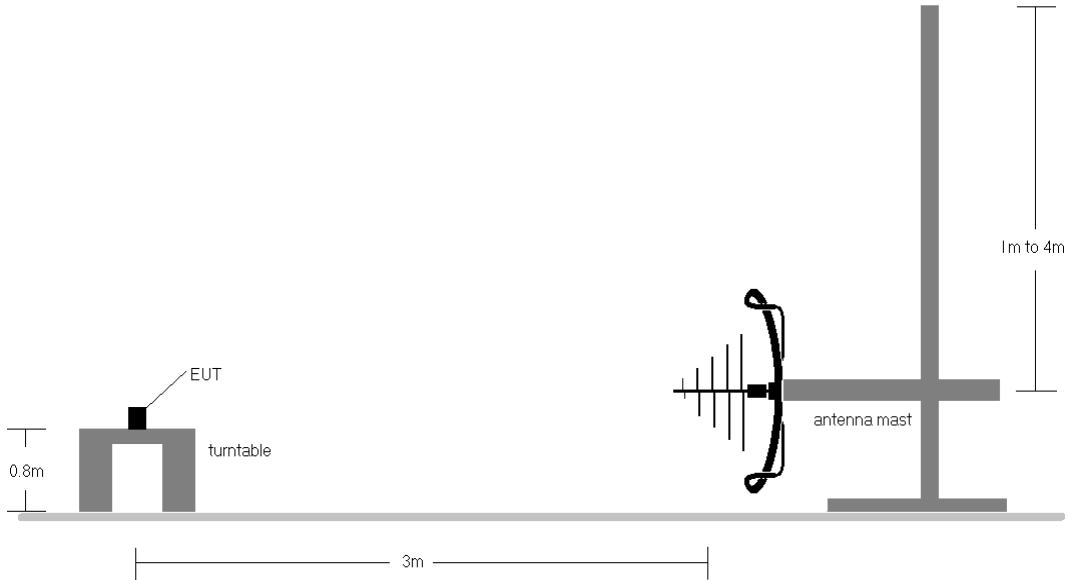
1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW  $\geq$  3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points  $\geq$  2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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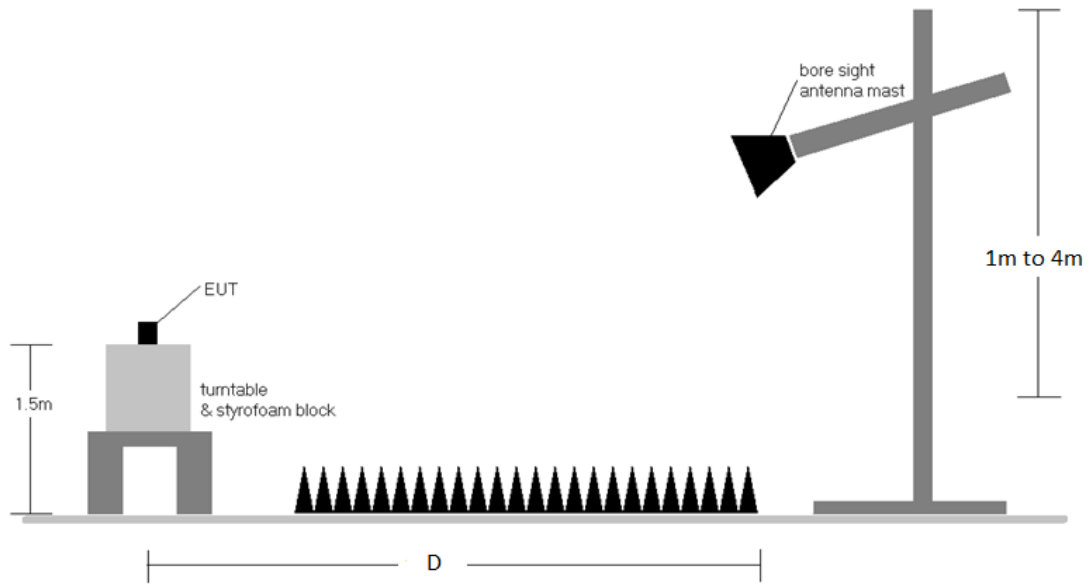
V2.2 09/07/2023

**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 spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
8. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.
9. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".

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## 7.7.1 Antenna 4 – Radiated Spurious Emission Measurement

### LTE Band 66/4

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	-	-	-77.04	1.71	31.68	-63.58	-13.00	-50.58
5160.0	H	-	-	-78.76	4.81	33.06	-62.20	-13.00	-49.20
6880.0	H	-	-	-79.35	8.64	36.29	-58.97	-13.00	-45.97

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-76.68	1.16	31.48	-63.78	-13.00	-50.78
5235.0	H	-	-	-78.27	4.60	33.33	-61.93	-13.00	-48.93
6980.0	H	-	-	-79.24	8.80	36.56	-58.70	-13.00	-45.70

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

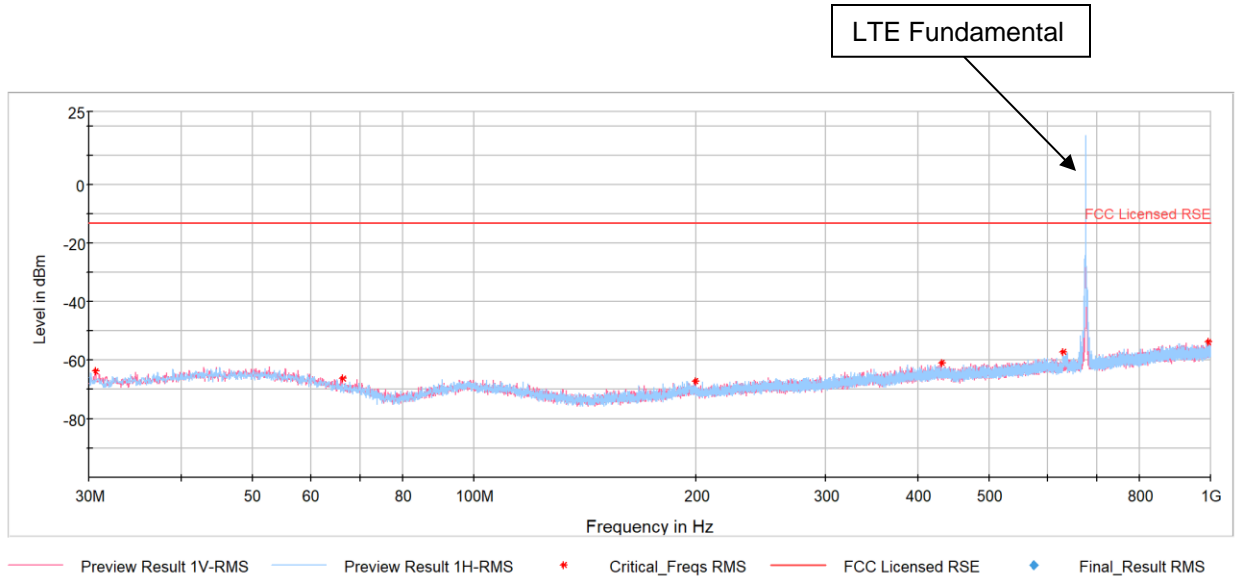
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	H	-	-	-76.47	1.56	32.09	-63.17	-13.00	-50.17
5310.0	H	-	-	-78.74	5.27	33.53	-61.73	-13.00	-48.73
7080.0	H	-	-	-79.56	8.78	36.22	-59.04	-13.00	-46.04

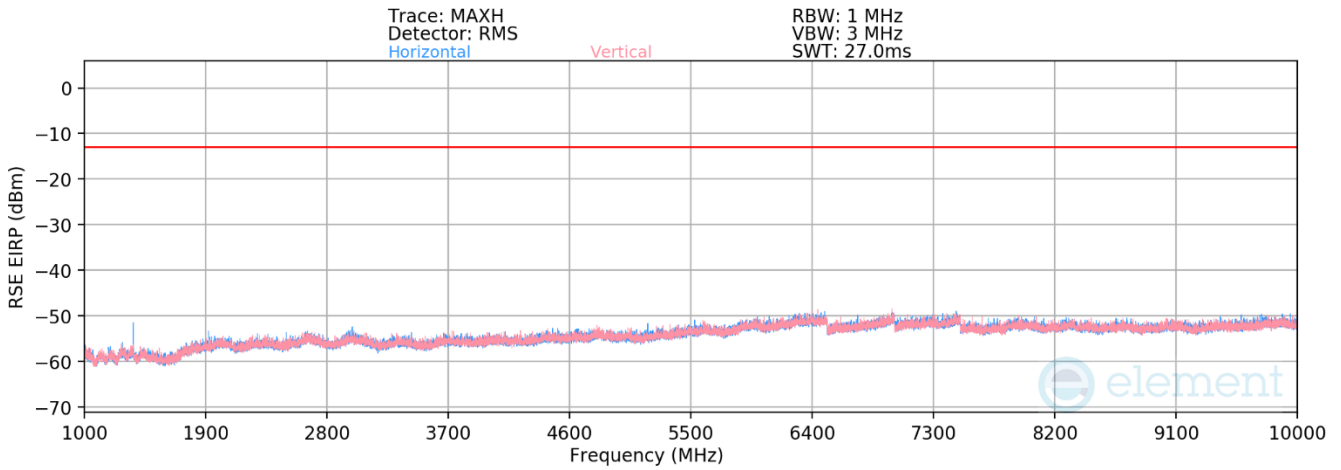
**Table 7-36. Antenna 4 Radiated Spurious Data (LTE Band 66/4 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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# LTE Band 71



**Plot 7-478. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 71)**



**Plot 7-479. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 71)**

<b>FCC ID:</b> BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	673.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	138	135	-64.36	-4.77	37.87	-57.39	-13.00	-44.39
2019.0	H	-	-	-73.05	-1.15	32.81	-62.45	-13.00	-49.45
2692.0	H	-	-	-74.13	1.10	33.97	-61.29	-13.00	-48.29
3365.0	H	-	-	-75.64	1.96	33.32	-61.94	-13.00	-48.94

**Table 7-37. 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	109	133	-63.39	-4.79	38.81	-56.44	-13.00	-43.44
2041.5	H	-	-	-72.76	-1.06	33.18	-62.08	-13.00	-49.08
2722.0	H	-	-	-74.20	1.05	33.86	-61.40	-13.00	-48.40
3402.5	H	-	-	-75.84	2.04	33.20	-62.06	-13.00	-49.06

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

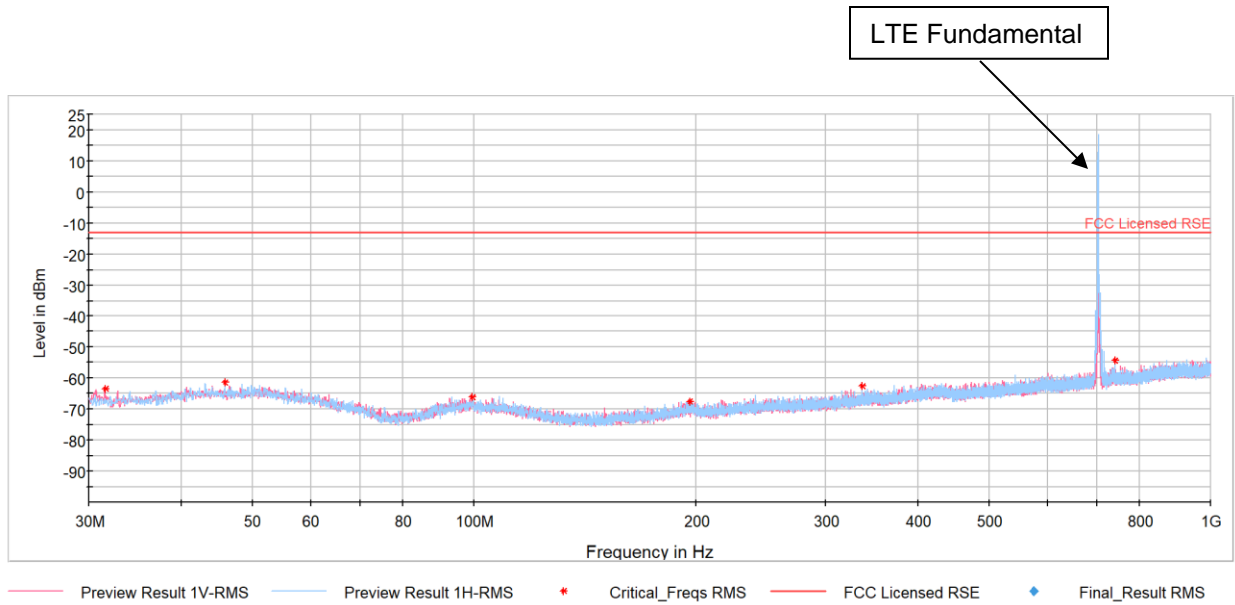
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	134	237	-67.92	-4.72	34.36	-60.89	-13.00	-47.89
2064.0	H	-	-	-73.05	-0.88	33.07	-62.19	-13.00	-49.19
2752.0	H	-	-	-74.35	0.74	33.39	-61.87	-13.00	-48.87
3440.0	H	-	-	-75.66	1.79	33.13	-62.13	-13.00	-49.13

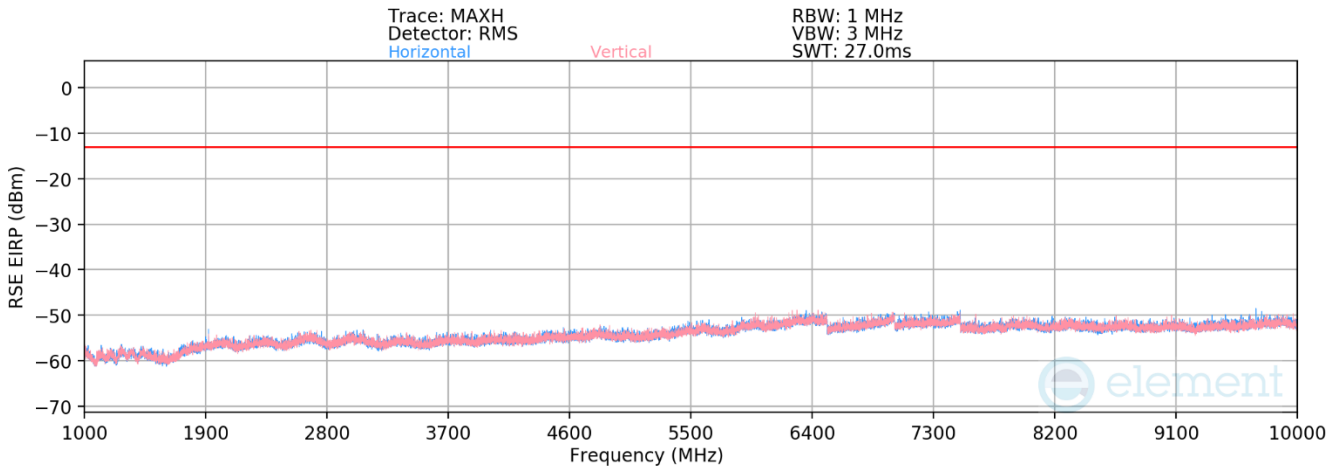
**Table 7-39. Antenna 4 Radiated Spurious Data (LTE Band 71 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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# LTE Band 12/17



**Plot 7-480. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 12/17)**



**Plot 7-481. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 12/17)**

<b>FCC ID:</b> BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	704.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.0	H	241	23	-71.37	-5.11	30.52	-64.74	-13.00	-51.74
2112.0	H	-	-	-73.05	-1.55	32.40	-62.86	-13.00	-49.86
2816.0	H	-	-	-74.32	-0.02	32.66	-62.60	-13.00	-49.60
3520.0	H	-	-	-75.58	1.31	32.73	-62.53	-13.00	-49.53

**Table 7-40. 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	247	22	-71.48	-4.97	30.54	-64.72	-13.00	-51.72
2122.5	H	-	-	-73.22	-1.48	32.30	-62.96	-13.00	-49.96
2830.0	H	-	-	-74.48	0.10	32.62	-62.64	-13.00	-49.64
3537.5	H	-	-	-75.62	1.28	32.66	-62.60	-13.00	-49.60

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

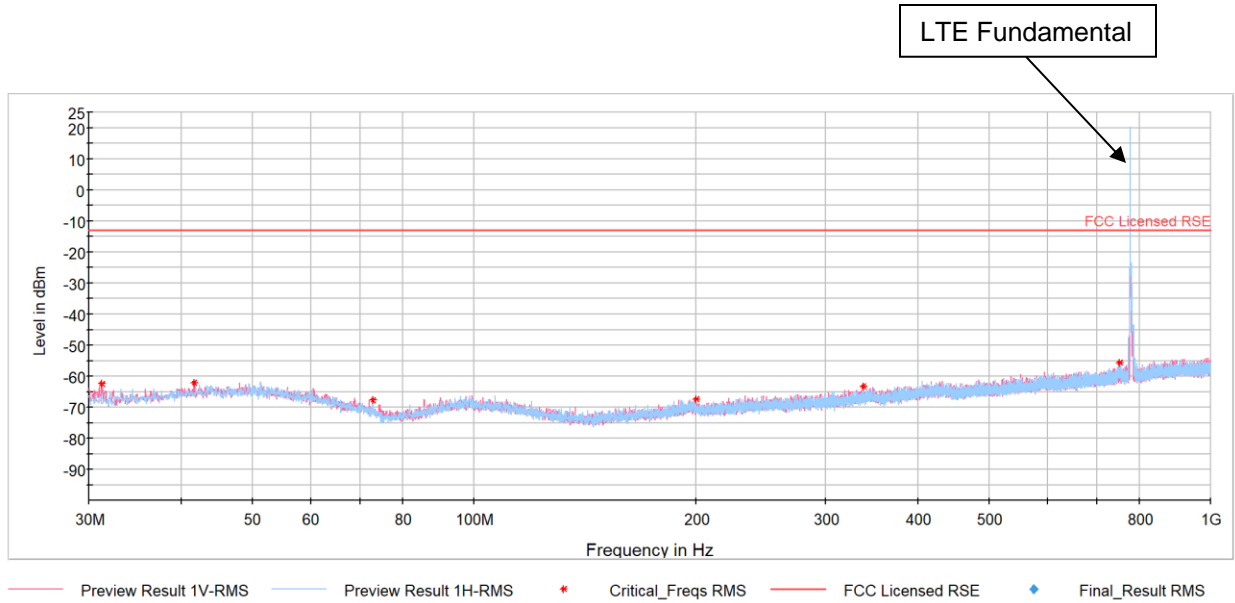
Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

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	120	129	-67.92	-5.12	33.96	-61.30	-13.00	-48.30
2133.0	H	-	-	-73.59	-1.48	31.93	-63.32	-13.00	-50.32
2844.0	H	-	-	-74.15	0.00	32.85	-62.41	-13.00	-49.41
3555.0	H	-	-	-75.72	1.30	32.58	-62.68	-13.00	-49.68

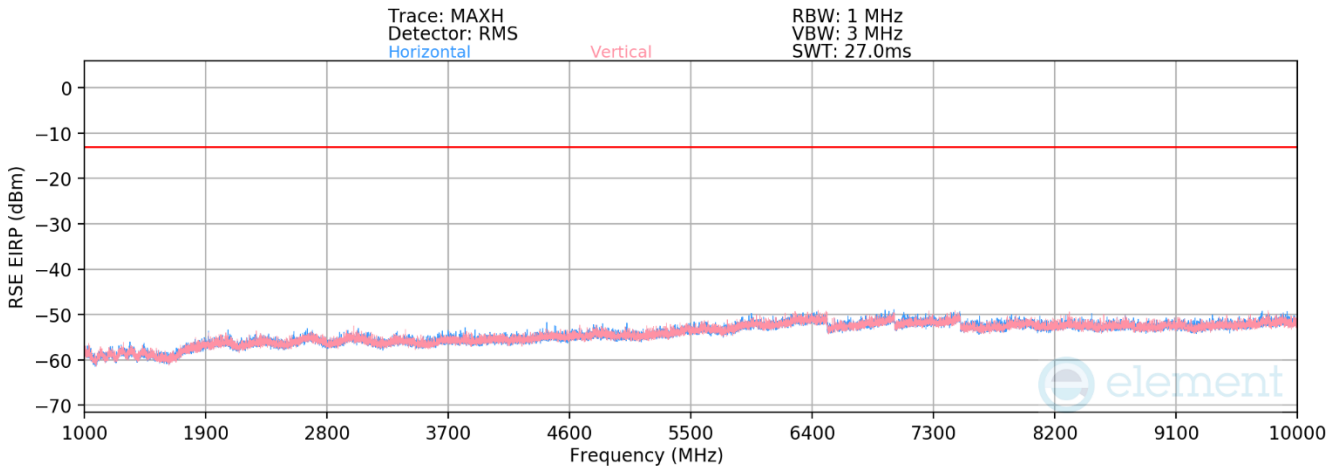
**Table 7-42. Antenna 4 Radiated Spurious Data (LTE Band 12/17 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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# LTE Band 13



**Plot 7-482. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 13)**



**Plot 7-483. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 13)**

<b>FCC ID:</b> BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 304 of 344

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	H	-	-	-72.13	-5.30	29.57	-65.69	-40.00	-25.69
2338.5	H	-	-	-73.35	-0.38	33.27	-61.99	-13.00	-48.99
3118.0	H	-	-	-75.11	1.72	33.61	-61.65	-13.00	-48.65

**Table 7-43. 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	-	-	-71.99	-5.30	29.70	-65.55	-40.00	-25.55
2346.0	H	-	-	-73.50	-0.38	33.12	-62.14	-13.00	-49.14
3128.0	H	-	-	-74.94	1.50	33.57	-61.69	-13.00	-48.69

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

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

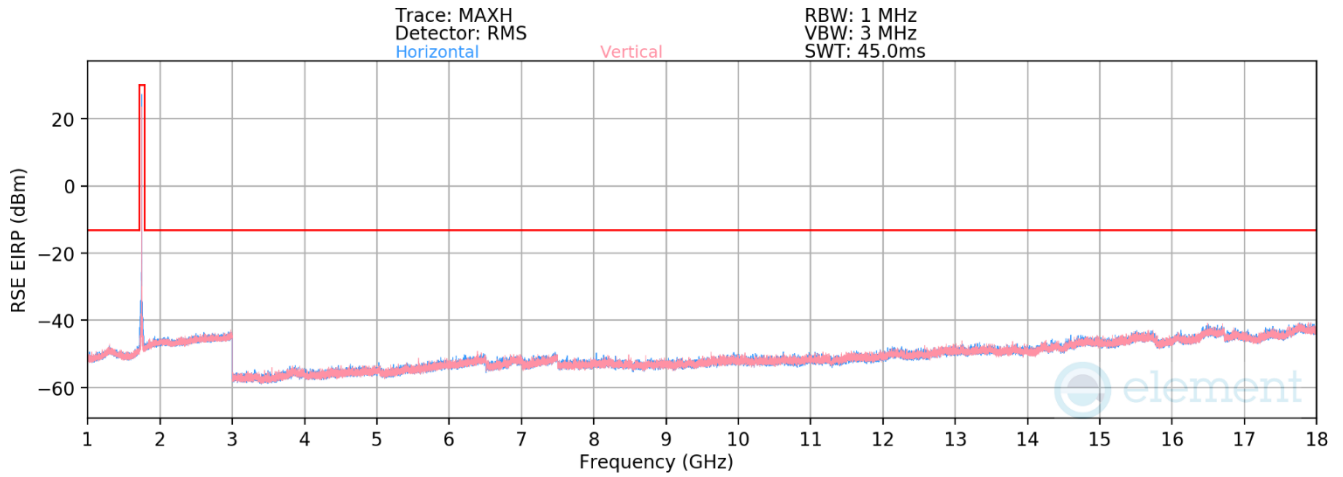
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	H	-	-	-72.12	-5.43	29.45	-65.81	-40.00	-25.81
2353.5	H	-	-	-73.24	-0.32	33.44	-61.81	-13.00	-48.81
3138.0	H	-	-	-74.93	1.50	33.57	-61.69	-13.00	-48.69

**Table 7-45. Antenna 4 Radiated Spurious Data (LTE Band 13 – High Channel)**


FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 305 of 344



# NR Band n66



**Plot 7-484. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n66)**

<b>FCC ID:</b> BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 306 of 344

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-78.22	2.93	31.71	-63.55	-13.00	-50.55
5190.0	H	-	-	-79.07	5.73	33.66	-61.60	-13.00	-48.60
6920.0	H	-	-	-79.26	9.01	36.75	-58.51	-13.00	-45.51

**Table 7-46. 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	H	-	-	-78.06	2.98	31.92	-63.34	-13.00	-50.34
5235.0	H	-	-	-78.57	5.69	34.12	-61.14	-13.00	-48.14
6980.0	H	-	-	-79.28	8.98	36.70	-58.56	-13.00	-45.56

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

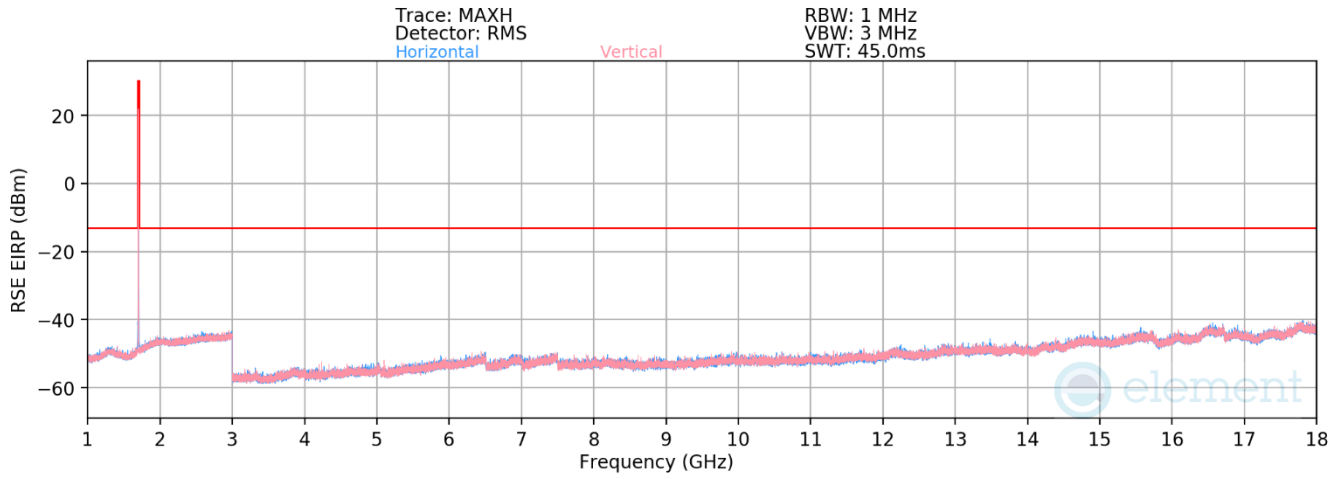
Bandwidth (MHz):	40
Frequency (MHz):	1760.0
RB / Offset:	1 / 108

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	H	-	-	-78.29	3.32	32.03	-63.23	-13.00	-50.23
5280.0	H	-	-	-79.11	6.20	34.09	-61.17	-13.00	-48.17
7040.0	H	-	-	-79.84	9.29	36.45	-58.81	-13.00	-45.81


**Table 7-48. Antenna 4 Radiated Spurious Data (NR Band n66 – High Channel)**

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device
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# NR Band n70



**Plot 7-485. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n70)**

<b>FCC ID:</b> BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 308 of 344

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Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3400.0	H	-	-	-76.72	1.98	32.26	-63.00	-13.00	-50.00
5100.0	H	-	-	-77.86	4.81	33.95	-61.31	-13.00	-48.31
6800.0	H	-	-	-78.68	7.73	36.05	-59.21	-13.00	-46.21

**Table 7-49. Antenna 4 Radiated Spurious Data (NR Band n70 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	H	-	-	-76.91	1.88	31.97	-63.29	-13.00	-50.29
5107.5	H	174	13	-76.05	4.79	35.74	-59.52	-13.00	-46.52
6810.0	H	-	-	-78.34	7.89	36.56	-58.70	-13.00	-45.70
8512.5	H	-	-	-79.46	8.73	36.27	-58.99	-13.00	-45.99
10215.0	H	-	-	-79.52	10.00	37.48	-57.78	-13.00	-44.78

**Table 7-50. Antenna 4 Radiated Spurious Data (NR Band n70 – Mid Channel)**

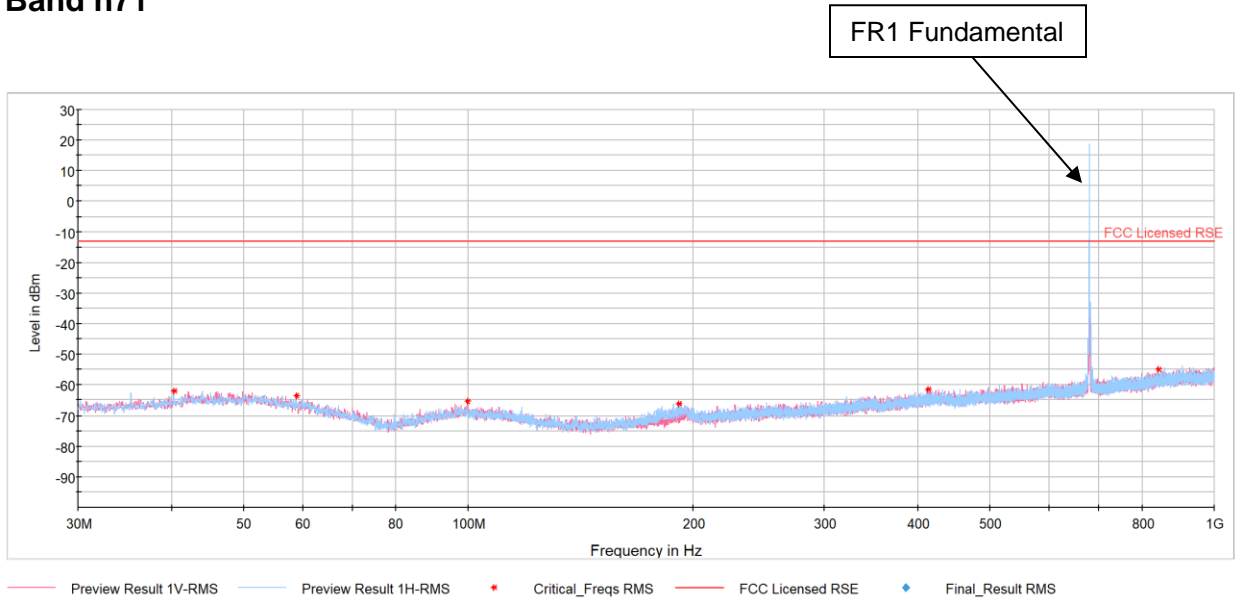
Bandwidth (MHz):	10
Frequency (MHz):	1705.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	H	-	-	-76.92	1.78	31.87	-63.39	-13.00	-50.39
5115.0	H	167	25	-77.30	4.77	34.47	-60.79	-13.00	-47.79
6820.0	H	-	-	-77.88	7.97	37.09	-58.17	-13.00	-45.17
8525.0	H	-	-	-79.56	8.83	36.27	-58.99	-13.00	-45.99
10230.0	H	-	-	-79.71	10.23	37.52	-57.74	-13.00	-44.74

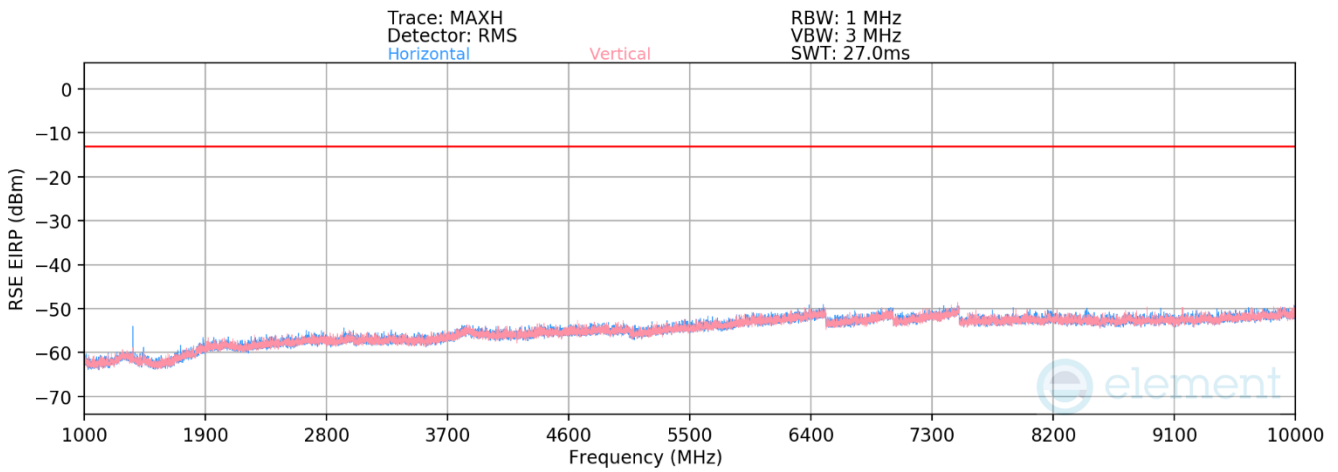
**Table 7-51. Antenna 4 Radiated Spurious Data (NR Band n70 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 309 of 344

# NR Band n71



**Plot 7-486. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n71)**



**Plot 7-487. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n71)**

<b>FCC ID:</b> BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 310 of 344

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	175	16	-68.29	-3.87	34.84	-60.42	-13.00	-47.42
2019.0	H	-	-	-75.90	-0.61	30.49	-64.77	-13.00	-51.77
2692.0	H	-	-	-76.57	0.97	31.40	-63.86	-13.00	-50.86
3365.0	H	-	-	-77.11	1.94	31.83	-63.43	-13.00	-50.43

**Table 7-52. Antenna 4 Radiated Spurious Data (NR Band n71 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	155	22	-65.69	-4.06	37.25	-58.01	-13.00	-45.01
2041.5	H	-	-	-75.76	-0.61	30.63	-64.63	-13.00	-51.63
2722.0	H	-	-	-76.68	1.07	31.39	-63.87	-13.00	-50.87
3402.5	H	-	-	-77.13	1.96	31.83	-63.43	-13.00	-50.43

**Table 7-53. Antenna 4 Radiated Spurious Data (NR Band n71 – Mid Channel)**

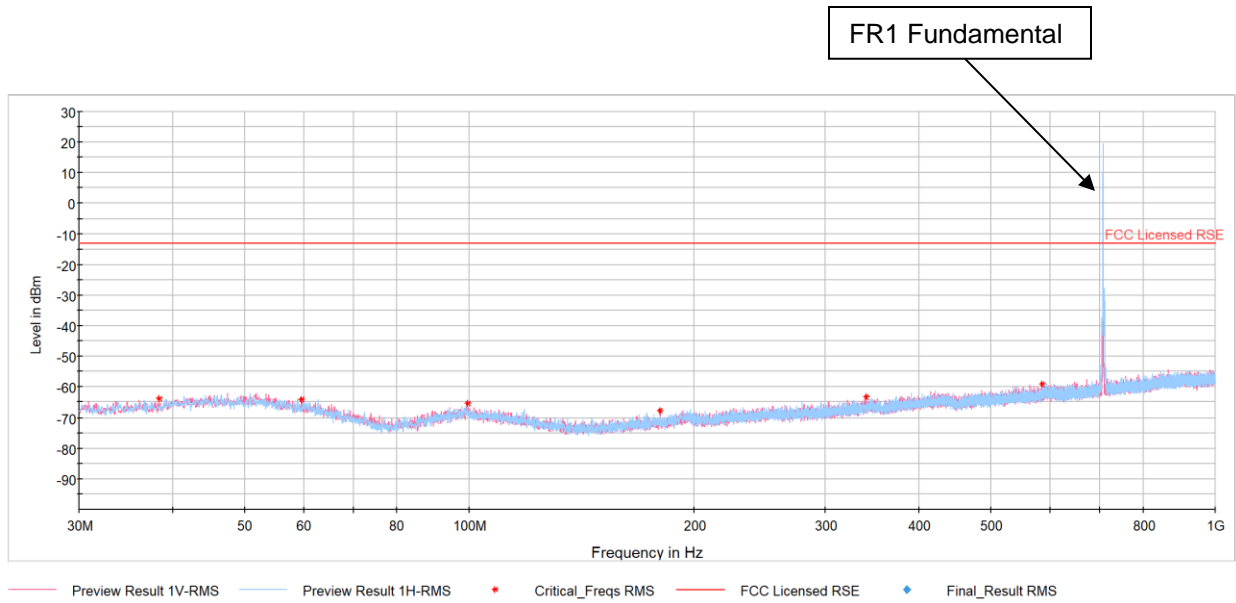
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	159	26	-68.58	-4.26	34.16	-61.10	-13.00	-48.10
2064.0	H	-	-	-75.64	-0.69	30.67	-64.59	-13.00	-51.59
2752.0	H	-	-	-76.76	1.06	31.30	-63.96	-13.00	-50.96
3440.0	H	-	-	-77.15	1.87	31.72	-63.54	-13.00	-50.54

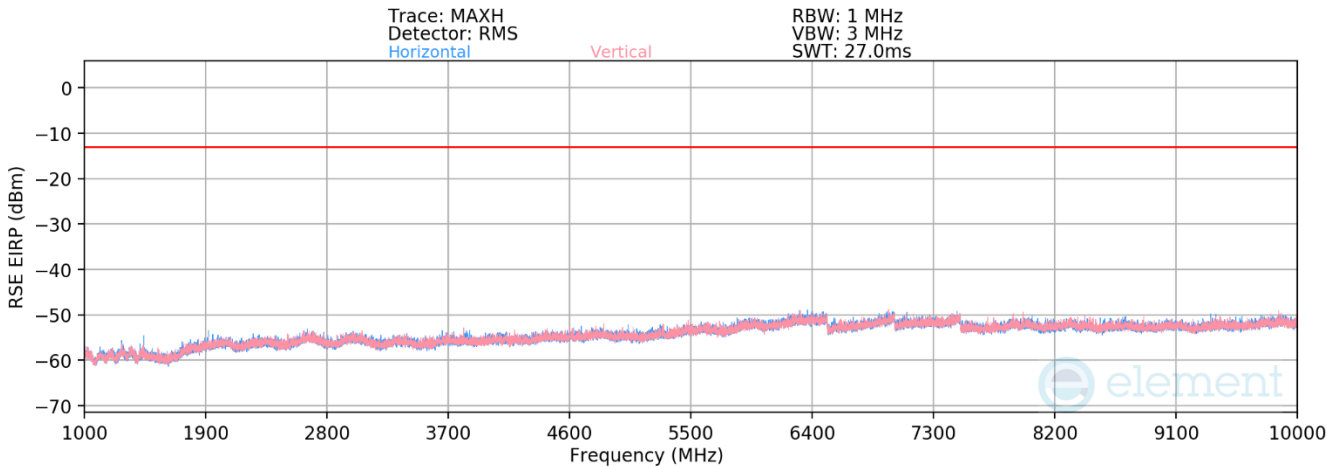
**Table 7-54. Antenna 4 Radiated Spurious Data (NR Band n71 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>	Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device
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# NR Band n12



**Plot 7-488. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n12)**



**Plot 7-489. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n12)**

<b>FCC ID:</b> BCGA2899	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 312 of 344

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	153	111	-70.47	-5.12	31.41	-63.85	-13.00	-50.85
2119.5	H	-	-	-73.40	-1.48	32.13	-63.13	-13.00	-50.13
2826.0	H	-	-	-74.43	0.10	32.67	-62.59	-13.00	-49.59
3532.5	H	-	-	-75.50	1.28	32.79	-62.47	-13.00	-49.47

**Table 7-55. 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	153	114	-71.76	-4.97	30.26	-64.99	-13.00	-51.99
2122.5	H	-	-	-73.58	-1.48	31.94	-63.31	-13.00	-50.31
2830.0	H	-	-	-74.52	0.10	32.57	-62.68	-13.00	-49.68
3537.5	H	-	-	-75.46	1.28	32.82	-62.44	-13.00	-49.44

**Table 7-56. Antenna 4 Radiated Spurious Data (NR Band n12 – Mid Channel)**

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

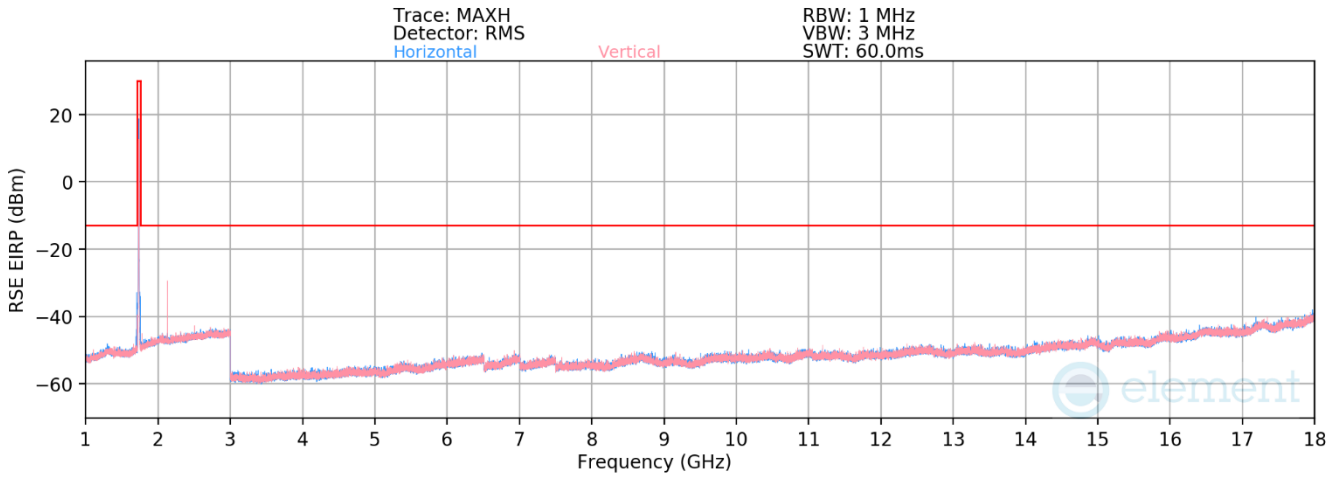
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.0	H	166	111	-71.51	-4.97	30.51	-64.74	-13.00	-51.74
2125.5	H	-	-	-73.53	-1.48	32.00	-63.26	-13.00	-50.26
2834.0	H	-	-	-74.60	0.10	32.50	-62.76	-13.00	-49.76
3542.5	H	-	-	-75.71	1.28	32.57	-62.69	-13.00	-49.69

**Table 7-57. Antenna 4 Radiated Spurious Data (NR Band n12 – High Channel)**


FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 313 of 344



# WCDMA AWS



**Plot 7-490. Antenna 4 Radiated Spurious Emission above 1GHz (WCDMA AWS)**

<b>FCC ID:</b> BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 314 of 344

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-78.22	2.48	31.26	-64.00	-13.00	-51.00
5137.2	H	-	-	-79.44	5.36	32.92	-62.34	-13.00	-49.34
6849.6	H	-	-	-80.01	8.50	35.49	-59.77	-13.00	-46.77

**7-58. Antenna 4 Radiated Spurious Data (WCDMA AWS – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-78.02	2.50	31.48	-63.78	-13.00	-50.78
5197.8	H	-	-	-78.97	5.33	33.36	-61.90	-13.00	-48.90
6930.4	H	-	-	-79.43	8.20	35.77	-59.49	-13.00	-46.49

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-78.20	2.66	31.46	-63.80	-13.00	-50.80
5257.8	H	-	-	-78.89	5.60	33.71	-61.55	-13.00	-48.55
7010.4	H	-	-	-79.80	8.25	35.45	-59.81	-13.00	-46.81

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 315 of 344

## 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	V	262	18	-77.01	1.42	31.41	-63.85	-13.00	-50.85
5160.0	V	-	-	-78.75	4.72	32.97	-62.29	-13.00	-49.29
6880.0	V	-	-	-79.60	8.68	36.08	-59.18	-13.00	-46.18
8600.0	V	-	-	-80.22	8.62	35.40	-59.86	-13.00	-46.86

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	245	11	-76.40	1.16	31.76	-63.50	-13.00	-50.50
5235.0	V	-	-	-78.46	4.60	33.14	-62.12	-13.00	-49.12
6980.0	V	-	-	-79.41	8.80	36.39	-58.87	-13.00	-45.87
8725.0	V	-	-	-80.43	9.22	35.79	-59.46	-13.00	-46.46

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	V	264	12	-73.73	1.56	34.83	-60.43	-13.00	-47.43
5310.0	V	-	-	-78.47	5.27	33.80	-61.46	-13.00	-48.46
7080.0	V	-	-	-79.67	8.78	36.11	-59.15	-13.00	-46.15
8850.0	V	-	-	-80.98	10.00	36.02	-59.24	-13.00	-46.24

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270066-09.BCG	Test Dates: 10/1/2023 - 3/16/2024	EUT Type: Tablet Device	Page 316 of 344

## LTE Band 71

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	243	346	-69.44	-4.77	32.79	-62.46	-13.00	-49.46
2019.0	H	-	-	-72.92	-1.15	32.93	-62.33	-13.00	-49.33
2692.0	H	-	-	-74.00	1.10	34.10	-61.16	-13.00	-48.16
3365.0	H	-	-	-75.58	1.96	33.38	-61.88	-13.00	-48.88

**Table 7-64. 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	308	212	-70.04	-4.79	32.17	-63.09	-13.00	-50.09
2041.5	H	-	-	-72.89	-1.06	33.05	-62.21	-13.00	-49.21
2722.0	H	-	-	-74.31	1.05	33.74	-61.52	-13.00	-48.52
3402.5	H	-	-	-75.93	2.04	33.11	-62.15	-13.00	-49.15

**Table 7-65. 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	279	210	-67.93	-4.72	34.35	-60.91	-13.00	-47.91
2064.0	H	-	-	-73.09	-0.88	33.02	-62.23	-13.00	-49.23
2752.0	H	-	-	-74.16	0.74	33.57	-61.68	-13.00	-48.68
3440.0	H	-	-	-75.72	1.79	33.07	-62.18	-13.00	-49.18

**Table 7-66. Antenna 2 Radiated Spurious Data (LTE Band 71 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## LTE Band 12/17

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.0	H	252	22	-71.55	-5.12	30.32	-64.93	-13.00	-51.93
2112.0	H	-	-	-73.40	-1.14	32.46	-62.80	-13.00	-49.80
2816.0	H	-	-	-74.43	0.10	32.67	-62.59	-13.00	-49.59
3520.0	H	-	-	-75.60	1.30	32.70	-62.56	-13.00	-49.56

**Table 7-67. 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	H	-	-	-71.55	-4.97	30.48	-64.78	-13.00	-51.78
2122.5	H	-	-	-73.42	-1.48	32.10	-63.16	-13.00	-50.16
2830.0	H	-	-	-74.48	0.10	32.62	-62.64	-13.00	-49.64

**Table 7-68. 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.0	H	250	25	-71.30	-4.97	30.72	-64.53	-13.00	-51.53
2133.0	H	-	-	-73.40	-1.48	32.13	-63.13	-13.00	-50.13
2844.0	H	-	-	-74.27	0.00	32.73	-62.53	-13.00	-49.53
3555.0	H	-	-	-75.76	1.30	32.54	-62.72	-13.00	-49.72

**Table 7-69. Antenna 2 Radiated Spurious Data (LTE Band 12/17 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## LTE Band 13

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	H	-	-	-72.06	-5.43	29.51	-65.75	-40.00	-25.75
2338.5	H	-	-	-73.36	-0.52	33.12	-62.13	-13.00	-49.13
3118.0	H	-	-	-75.10	1.72	33.62	-61.64	-13.00	-48.64

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	-	-	-72.01	-5.43	29.56	-65.70	-40.00	-25.70
2346.0	H	-	-	-73.36	-0.38	33.27	-61.99	-13.00	-48.99
3128.0	H	-	-	-75.09	1.50	33.41	-61.85	-13.00	-48.85

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	H	-	-	-72.08	-5.43	29.49	-65.77	-40.00	-25.77
2353.5	H	-	-	-73.42	-0.38	33.20	-62.05	-13.00	-49.05
3138.0	H	-	-	-74.81	1.50	33.69	-61.57	-13.00	-48.57

**Table 7-72. Antenna 2 Radiated Spurious Data (LTE Band 13 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>	Approved by: Technical Manager
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## NR Band n66

Bandwidth (MHz):	40
Frequency (MHz):	1730.0
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]
3460.0	H	-	-	-78.22	2.93	31.71	-63.54	-13.00	-50.54
5190.0	H	-	-	-79.15	5.73	33.58	-61.67	-13.00	-48.67
6920.0	H	-	-	-79.41	9.01	36.60	-58.66	-13.00	-45.66

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

Bandwidth (MHz):	40
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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-78.31	2.98	31.67	-63.59	-13.00	-50.59
5235.0	H	-	-	-78.78	5.69	33.91	-61.35	-13.00	-48.35
6980.0	H	-	-	-79.43	8.98	36.55	-58.71	-13.00	-45.71

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

Bandwidth (MHz):	40
Frequency (MHz):	1760.0
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]
3520.0	H	-	-	-78.48	3.32	31.84	-63.42	-13.00	-50.42
5280.0	H	-	-	-79.17	6.20	34.03	-61.22	-13.00	-48.22
7040.0	H	-	-	-80.14	9.29	36.15	-59.11	-13.00	-46.11

**Table 7-75. Antenna 2 Radiated Spurious Data (NR Band n66 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>	Approved by: Technical Manager
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## NR Band n70

Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3400.0	H	-	-	-76.63	1.98	32.35	-62.91	-13.00	-49.91
5100.0	H	-	-	-78.29	4.81	33.52	-61.74	-13.00	-48.74
6800.0	H	-	-	-78.54	7.73	36.19	-59.07	-13.00	-46.07

**Table 7-76. Antenna 2 Radiated Spurious Data (NR Band n70 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	H	-	-	-76.69	1.88	32.19	-63.07	-13.00	-50.07
5107.5	H	-	-	-78.21	4.79	33.58	-61.68	-13.00	-48.68
6810.0	H	-	-	-78.28	7.89	36.61	-58.64	-13.00	-45.64

**Table 7-77. Antenna 2 Radiated Spurious Data (NR Band n70 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	H	-	-	-76.46	1.78	32.32	-62.93	-13.00	-49.93
5115.0	H	-	-	-77.68	4.77	34.09	-61.17	-13.00	-48.17
6820.0	H	-	-	-77.86	7.97	37.11	-58.15	-13.00	-45.15

**Table 7-78. Antenna 2 Radiated Spurious Data (NR Band n70 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>	Approved by: Technical Manager
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## NR Band n71

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	311	70	-72.81	-3.87	30.32	-64.94	-13.00	-51.94
2019.0	H	-	-	-75.82	-0.61	30.57	-64.68	-13.00	-51.68
2692.0	H	-	-	-76.51	0.97	31.46	-63.80	-13.00	-50.80
3365.0	H	-	-	-77.01	1.94	31.93	-63.33	-13.00	-50.33

**Table 7-79. Antenna 2 Radiated Spurious Data (NR Band n71 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	300	69	-72.57	-4.06	30.37	-64.88	-13.00	-51.88
2041.5	H	-	-	-75.83	-0.61	30.56	-64.70	-13.00	-51.70
2722.0	H	-	-	-76.53	1.07	31.54	-63.72	-13.00	-50.72
3402.5	H	-	-	-77.18	1.96	31.78	-63.48	-13.00	-50.48

**Table 7-80. Antenna 2 Radiated Spurious Data (NR Band n71 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	303	74	-72.80	-4.26	29.94	-65.32	-13.00	-52.32
2064.0	H	-	-	-75.53	-0.69	30.78	-64.48	-13.00	-51.48
2752.0	H	-	-	-76.63	1.06	31.43	-63.83	-13.00	-50.83
3440.0	H	-	-	-76.94	1.87	31.93	-63.32	-13.00	-50.32

**Table 7-81. Antenna 2 Radiated Spurious Data (NR Band n71 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## NR Band n12

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	H	291	105	-71.60	-5.12	30.28	-64.98	-13.00	-51.98
2119.5	H	-	-	-73.44	-1.48	32.09	-63.17	-13.00	-50.17
2826.0	H	-	-	-74.53	0.10	32.57	-62.69	-13.00	-49.69
3532.5	H	-	-	-75.83	1.28	32.45	-62.81	-13.00	-49.81

**Table 7-82. 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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	H	160	114	-71.60	-4.97	30.42	-64.84	-13.00	-51.84
2122.5	H	-	-	-73.64	-1.48	31.88	-63.37	-13.00	-50.37
2830.0	H	-	-	-74.70	0.10	32.40	-62.86	-13.00	-49.86
3537.5	H	-	-	-75.76	1.28	32.52	-62.74	-13.00	-49.74

**Table 7-83. 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 $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.0	H	250	28	-71.19	-5.12	30.69	-64.57	-13.00	-51.57
2125.5	H	-	-	-73.53	-1.48	31.99	-63.27	-13.00	-50.27
2834.0	H	-	-	-74.49	0.00	32.52	-62.74	-13.00	-49.74
3542.5	H	-	-	-75.73	1.28	32.55	-62.71	-13.00	-49.71

**Table 7-84. Antenna 2 Radiated Spurious Data (NR Band n12 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## WCDMA AWS

<b>Mode:</b>	WCDMA RMC
<b>Channel:</b>	1312
<b>Frequency (MHz):</b>	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-78.29	2.47	31.18	-64.08	-13.00	-51.08
5137.2	H	-	-	-79.52	5.51	32.99	-62.27	-13.00	-49.27
6849.6	H	-	-	-80.18	8.55	35.37	-59.88	-13.00	-46.88

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

<b>Mode:</b>	WCDMA RMC
<b>Channel:</b>	1413
<b>Frequency (MHz):</b>	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	-	-	-78.14	2.52	31.37	-63.88	-13.00	-50.88
5197.8	H	-	-	-78.92	5.20	33.28	-61.98	-13.00	-48.98
6930.4	H	-	-	-79.45	8.32	35.88	-59.38	-13.00	-46.38

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

<b>Mode:</b>	WCDMA RMC
<b>Channel:</b>	1513
<b>Frequency (MHz):</b>	1752.6

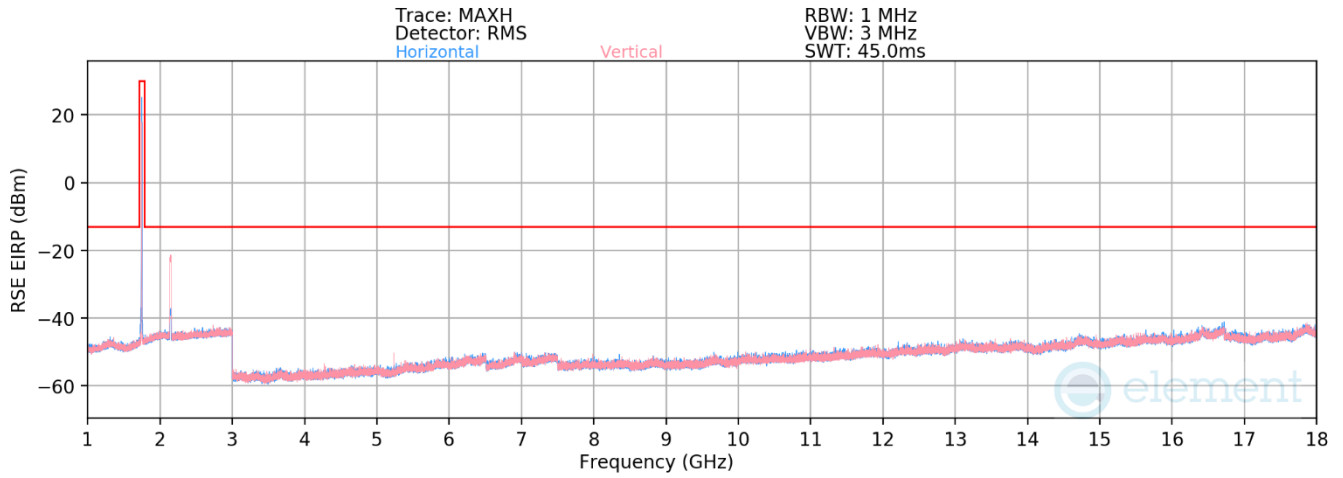
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-78.30	2.65	31.35	-63.91	-13.00	-50.91
5257.8	H	-	-	-78.74	5.32	33.59	-61.67	-13.00	-48.67
7010.4	H	-	-	-79.77	8.23	35.46	-59.80	-13.00	-46.80

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


<b>FCC ID:</b> BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
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### 7.7.3 Antenna 1b – Radiated Spurious Emission Measurement

#### LTE Band 66/4



**Plot 7-491. Antenna 1b Radiated Spurious Emission above 1GHz (LTE Band 66)**

<b>FCC ID:</b> BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 325 of 344

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<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1720.0
<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]
3440.0	V	-	-	-76.98	1.42	31.44	-63.82	-13.00	-50.82
5160.0	V	330	247	-76.83	4.72	34.89	-60.37	-13.00	-47.37
6880.0	V	-	-	-78.97	8.68	36.71	-58.55	-13.00	-45.55
8600.0	V	-	-	-80.53	8.62	35.09	-60.17	-13.00	-47.17
10320.0	V	-	-	-80.62	10.53	36.91	-58.35	-13.00	-45.35

**Table 7-88. Antenna 1b Radiated Spurious Data (LTE Band 66/4 – Low Channel)**

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1745.0
<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]
3490.0	V	-	-	-76.12	1.16	32.04	-63.22	-13.00	-50.22
5235.0	V	334	249	-73.07	4.60	38.53	-56.73	-13.00	-43.73
6980.0	V	-	-	-79.29	8.80	36.51	-58.75	-13.00	-45.75
8725.0	V	-	-	-80.43	10.00	36.57	-58.69	-13.00	-45.69
10470.0	V	-	-	-80.52	11.60	38.08	-57.17	-13.00	-44.17

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

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1770.0
<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]
3540.0	V	298	13	-74.21	1.56	34.35	-60.91	-13.00	-47.91
5310.0	V	264	354	-76.43	5.27	35.84	-59.42	-13.00	-46.42
7080.0	V	-	-	-79.68	8.78	36.10	-59.16	-13.00	-46.16
8850.0	V	-	-	-80.86	10.00	36.14	-59.12	-13.00	-46.12
10620.0	V	-	-	-81.02	11.60	37.58	-57.67	-13.00	-44.67

**Table 7-90. Antenna 1b Radiated Spurious Data (LTE Band 66/4 – High Channel)**

<b>FCC ID:</b> BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 326 of 344

## NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-78.19	2.93	31.74	-63.52	-13.00	-50.52
5190.0	H	-	-	-79.00	5.73	33.73	-61.53	-13.00	-48.53
6920.0	H	-	-	-79.38	9.01	36.63	-58.63	-13.00	-45.63

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

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-78.17	2.98	31.81	-63.45	-13.00	-50.45
5235.0	H	-	-	-78.89	5.69	33.80	-61.46	-13.00	-48.46
6980.0	H	-	-	-79.45	8.98	36.53	-58.73	-13.00	-45.73

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-78.56	3.32	31.76	-63.50	-13.00	-50.50
5280.0	H	-	-	-79.13	6.20	34.07	-61.19	-13.00	-48.19
7040.0	H	-	-	-80.24	9.29	36.05	-59.21	-13.00	-46.21

**Table 7-93. Antenna 1b Radiated Spurious Data (NR Band n66 – High Channel)**

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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## NR Band n70

Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3400.0	H	-	-	-76.78	1.98	32.20	-63.06	-13.00	-50.06
5100.0	H	-	-	-78.10	4.81	33.71	-61.55	-13.00	-48.55
6800.0	H	-	-	-78.75	7.73	35.98	-59.28	-13.00	-46.28

**Table 7-94. Antenna 1b Radiated Spurious Data (NR Band n70 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	H	-	-	-76.83	1.88	32.05	-63.21	-13.00	-50.21
5107.5	H	-	-	-78.01	4.79	33.78	-61.48	-13.00	-48.48
6810.0	H	-	-	-78.41	7.89	36.49	-58.77	-13.00	-45.77

**Table 7-95. Antenna 1b Radiated Spurious Data (NR Band n70 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	H	-	-	-76.58	1.78	32.21	-63.05	-13.00	-50.05
5115.0	H	-	-	-77.91	4.77	33.86	-61.40	-13.00	-48.40
6820.0	H	-	-	-78.01	7.97	36.96	-58.30	-13.00	-45.30

**Table 7-96. Antenna 1b Radiated Spurious Data (NR Band n70 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>	Approved by: Technical Manager
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## WCDMA AWS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-78.17	2.47	31.30	-63.96	-13.00	-50.96
5137.2	H	-	-	-79.50	5.51	33.01	-62.25	-13.00	-49.25
6849.6	H	-	-	-80.12	8.55	35.43	-59.82	-13.00	-46.82

**7-97. 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	-	-	-78.06	2.52	31.46	-63.80	-13.00	-50.80
5197.8	H	-	-	-78.88	5.20	33.33	-61.93	-13.00	-48.93
6930.4	H	-	-	-79.69	8.31	35.61	-59.64	-13.00	-46.64

**Table 7-98. 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	-	-	-77.93	2.37	31.43	-63.83	-13.00	-50.83
5257.8	H	-	-	-79.10	5.52	33.42	-61.84	-13.00	-48.84
7010.4	H	-	-	-79.69	8.17	35.49	-59.77	-13.00	-46.77

**Table 7-99. Antenna 1b Radiated Spurious Data (WCDMA AWS – High Channel)**

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	-	-	-76.89	1.42	31.53	-63.73	-13.00	-50.73
5160.0	H	-	-	-78.44	4.72	33.28	-61.98	-13.00	-48.98
6880.0	H	-	-	-79.53	8.68	36.15	-59.11	-13.00	-46.11

**Table 7-100. 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-76.63	1.16	31.53	-63.73	-13.00	-50.73
5235.0	H	-	-	-78.47	4.60	33.13	-62.13	-13.00	-49.13
6980.0	H	-	-	-79.31	8.80	36.49	-58.77	-13.00	-45.77

**Table 7-101. 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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	H	-	-	-76.48	1.56	32.08	-63.18	-13.00	-50.18
5310.0	H	-	-	-78.68	5.27	33.59	-61.67	-13.00	-48.67
7080.0	H	-	-	-79.66	8.78	36.12	-59.14	-13.00	-46.14

**Table 7-102. Antenna 3b Radiated Spurious Data (LTE Band 66/4 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-78.45	2.93	31.48	-63.77	-13.00	-50.77
5190.0	H	-	-	-79.09	5.73	33.64	-61.61	-13.00	-48.61
6920.0	H	-	-	-79.31	9.01	36.70	-58.56	-13.00	-45.56

**Table 7-103. 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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-78.25	2.98	31.73	-63.53	-13.00	-50.53
5235.0	H	-	-	-78.65	5.69	34.04	-61.22	-13.00	-48.22
6980.0	H	-	-	-79.49	8.98	36.49	-58.77	-13.00	-45.77

**Table 7-104. 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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-78.51	3.32	31.81	-63.45	-13.00	-50.45
5280.0	H	-	-	-79.22	6.20	33.98	-61.27	-13.00	-48.27
7040.0	H	-	-	-80.11	9.29	36.18	-59.08	-13.00	-46.08

**Table 7-105. Antenna 3b Radiated Spurious Data (NR Band n66 – High Channel)**

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>	Approved by: Technical Manager
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## NR Band n70

Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3400.0	H	-	-	-76.59	1.98	32.39	-62.87	-13.00	-49.87
5100.0	H	-	-	-78.13	4.81	33.68	-61.58	-13.00	-48.58
6800.0	H	-	-	-78.68	7.73	36.05	-59.21	-13.00	-46.21

**Table 7-106. Antenna 3b Radiated Spurious Data (NR Band n70 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	H	-	-	-76.76	1.88	32.12	-63.14	-13.00	-50.14
5107.5	H	-	-	-78.12	4.79	33.67	-61.59	-13.00	-48.59
6810.0	H	-	-	-78.39	7.89	36.50	-58.75	-13.00	-45.75

**Table 7-107. Antenna 3b Radiated Spurious Data (NR Band n70 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	H	-	-	-76.42	1.78	32.36	-62.89	-13.00	-49.89
5115.0	H	-	-	-77.86	4.77	33.91	-61.35	-13.00	-48.35
6820.0	H	-	-	-77.96	7.97	37.01	-58.25	-13.00	-45.25

**Table 7-108. Antenna 3b Radiated Spurious Data (NR Band n70 – High Channel)**

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## WCDMA AWS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-78.18	2.43	31.25	-64.01	-13.00	-51.01
5137.2	H	-	-	-79.45	5.51	33.05	-62.20	-13.00	-49.20
6849.6	H	-	-	-80.01	8.55	35.54	-59.71	-13.00	-46.71

**7-109. Antenna 3b Radiated Spurious Data (WCDMA AWS – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-77.95	2.52	31.57	-63.69	-13.00	-50.69
5197.8	H	-	-	-78.84	5.20	33.37	-61.89	-13.00	-48.89
6930.4	H	-	-	-79.51	8.31	35.80	-59.46	-13.00	-46.46

**Table 7-110. Antenna 3b Radiated Spurious Data (WCDMA AWS – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-77.99	2.37	31.38	-63.88	-13.00	-50.88
5257.8	H	-	-	-78.83	5.32	33.49	-61.77	-13.00	-48.77
7010.4	H	-	-	-79.68	8.17	35.49	-59.76	-13.00	-46.76

**Table 7-111. Antenna 3b Radiated Spurious Data (WCDMA AWS – High Channel)**

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## 7.8 Frequency Stability / Temperature Variation

\$2.1053, \$27.53

### Test Overview and Limit

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

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

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

### Test Procedure Used

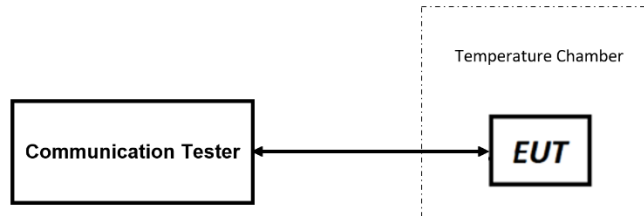
ANSI C63.26-2015

TIA-603-E-2016

### Test Settings

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


### Test Setup



**Figure 7-8. 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

LTE Band 66/4				
Operating Band Lower Boundary (GHz)			1.710	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71067377	-0.00067377
		- 20	1.71067853	-0.00067853
		- 10	1.71067745	-0.00067745
		0	1.71067856	-0.00067856
		+ 10	1.71067746	-0.00067746
		+ 20 (Ref)	1.71067734	-0.00067734
		+ 30	1.71067745	-0.00067745
		+ 40	1.71067846	-0.00067846
		+ 50	1.71067644	-0.00067644
Battery Endpoint	3.40	+ 20	1.71067856	-0.00067856

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

LTE Band 66/4				
Operating Band Upper Boundary (GHz)			1.780	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.77941735	-0.00058265
		- 20	1.77941865	-0.00058135
		- 10	1.77941745	-0.00058255
		0	1.77941864	-0.00058136
		+ 10	1.77941757	-0.00058243
		+ 20 (Ref)	1.77941635	-0.00058365
		+ 30	1.77941976	-0.00058024
		+ 40	1.77941856	-0.00058144
		+ 50	1.77941856	-0.00058144
Battery Endpoint	3.40	+ 20	1.77941513	-0.00058487

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

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## Frequency Stability / Temperature Variation

LTE Band 71				
Operating Band Lower Boundary (GHz)			0.663	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.66398034	-0.00098034
		- 20	0.66365816	-0.00065816
		- 10	0.66305917	-0.00005917
		0	0.66322608	-0.00022608
		+ 10	0.66303955	-0.00003955
		+ 20 (Ref)	0.66337338	-0.00037338
		+ 30	0.66383779	-0.00083779
		+ 40	0.66339191	-0.00039191
		+ 50	0.66353091	-0.00053091
Battery Endpoint	3.40	+ 20	0.66314816	-0.00014816

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

LTE Band 71				
Operating Band Upper Boundary (GHz)			0.698	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69712741	-0.00087259
		- 20	0.69795457	-0.00004543
		- 10	0.69768155	-0.00031845
		0	0.69704941	-0.00095059
		+ 10	0.69701487	-0.00098513
		+ 20 (Ref)	0.69770719	-0.00029281
		+ 30	0.69753307	-0.00046693
		+ 40	0.69792732	-0.00007268
		+ 50	0.69756452	-0.00043548
Battery Endpoint	3.40	+ 20	0.69735288	-0.00064712

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

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## Frequency Stability / Temperature Variation

LTE Band 12/17				
Operating Band Lower Boundary (GHz)			0.699	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69920080	-0.00020080
		- 20	0.69914337	-0.00014337
		- 10	0.69926345	-0.00026345
		0	0.69973635	-0.00073635
		+ 10	0.69933109	-0.00033109
		+ 20 (Ref)	0.69925091	-0.00025091
		+ 30	0.69991114	-0.00091114
		+ 40	0.69934428	-0.00034428
Battery Endpoint	3.40	+ 20	0.69996950	-0.00096950

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

LTE Band 12/17				
Operating Band Upper Boundary (GHz)			0.716	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.71513285	-0.00086715
		- 20	0.71518375	-0.00081625
		- 10	0.71550248	-0.00049752
		0	0.71553286	-0.00046714
		+ 10	0.71504629	-0.00095371
		+ 20 (Ref)	0.71514556	-0.00085444
		+ 30	0.71564169	-0.00035831
		+ 40	0.71596993	-0.00003007
Battery Endpoint	3.40	+ 20	0.71514294	-0.00085706

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

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## Frequency Stability / Temperature Variation

LTE Band 13				
Operating Band Lower Boundary (GHz)			0.777	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.77771791	-0.00071791
		- 20	0.77766855	-0.00066855
		- 10	0.77753942	-0.00053942
		0	0.77746498	-0.00046498
		+ 10	0.77780190	-0.00080190
		+ 20 (Ref)	0.77736280	-0.00036280
		+ 30	0.77783303	-0.00083303
		+ 40	0.77747382	-0.00047382
Battery Endpoint	3.40	+ 20	0.77727143	-0.00027143

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

LTE Band 13				
Operating Band Upper Boundary (GHz)			0.787	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.78678000	-0.00022000
		- 20	0.78602310	-0.00097690
		- 10	0.78612575	-0.00087425
		0	0.78620620	-0.00079380
		+ 10	0.78662813	-0.00037187
		+ 20 (Ref)	0.78674163	-0.00025837
		+ 30	0.78678744	-0.00021256
		+ 40	0.78688962	-0.00011038
Battery Endpoint	3.40	+ 20	0.78662917	-0.00037083

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

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## Frequency Stability / Temperature Variation

NR Band n66				
Operating Band Lower Boundary (GHz)			1.710	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71056934	-0.00056934
		- 20	1.71015407	-0.00015407
		- 10	1.71020550	-0.00020550
		0	1.71088423	-0.00088423
		+ 10	1.71085661	-0.00085661
		+ 20 (Ref)	1.71011709	-0.00011709
		+ 30	1.71066166	-0.00066166
		+ 40	1.71093928	-0.00093928
		+ 50	1.71009770	-0.00009770
Battery Endpoint	3.40	+ 20	1.71083017	-0.00083017

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

NR Band n66				
Operating Band Upper Boundary (GHz)			1.780	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.77922985	-0.00077015
		- 20	1.77913463	-0.00086537
		- 10	1.77908403	-0.00091597
		0	1.77976455	-0.00023545
		+ 10	1.77926568	-0.00073432
		+ 20 (Ref)	1.77920015	-0.00079985
		+ 30	1.77977128	-0.00022872
		+ 40	1.77937047	-0.00062953
		+ 50	1.77946513	-0.00053487
Battery Endpoint	3.40	+ 20	1.77915773	-0.00084227

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

FCC ID: BCGA2899	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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## Frequency Stability / Temperature Variation

NR Band n70				
Operating Band Lower Boundary (GHz)			1.695	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.69504621	-0.00004621
		- 20	1.69594875	-0.00094875
		- 10	1.69544154	-0.00044154
		0	1.69522123	-0.00022123
		+ 10	1.69580857	-0.00080857
		+ 20 (Ref)	1.69581774	-0.00081774
		+ 30	1.69561842	-0.00061842
		+ 40	1.69508899	-0.00008899
		+ 50	1.69524357	-0.00024357
Battery Endpoint	3.40	+ 20	1.69515372	-0.00015372

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

NR Band n70				
Operating Band Upper Boundary (GHz)			1.710	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.70931327	-0.00068673
		- 20	1.70946603	-0.00053397
		- 10	1.70974492	-0.00025508
		0	1.70948473	-0.00051527
		+ 10	1.70910307	-0.00089693
		+ 20 (Ref)	1.70914308	-0.00085692
		+ 30	1.70953088	-0.00046912
		+ 40	1.70976094	-0.00023906
		+ 50	1.70978635	-0.00021365
Battery Endpoint	3.40	+ 20	1.70926431	-0.00073569

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

FCC ID: BCGA2899	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## Frequency Stability / Temperature Variation

NR Band n71				
Operating Band Lower Boundary (GHz)			0.663	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.66313875	-0.00013875
		- 20	0.66397621	-0.00097621
		- 10	0.66372319	-0.00072319
		0	0.66391881	-0.00091881
		+ 10	0.66385287	-0.00085287
		+ 20 (Ref)	0.66346991	-0.00046991
		+ 30	0.66345273	-0.00045273
		+ 40	0.66380986	-0.00080986
		+ 50	0.66357552	-0.00057552
Battery Endpoint	3.40	+ 20	0.66345088	-0.00045088

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

NR Band n71				
Operating Band Upper Boundary (GHz)			0.698	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69743	-0.0005711
		- 20	0.69743	-0.0005698
		- 10	0.69743	-0.0005666
		0	0.69744	-0.0005608
		+ 10	0.69744	-0.0005610
		+ 20 (Ref)	0.69744	-0.0005605
		+ 30	0.69744	-0.0005650
		+ 40	0.69743	-0.0005676
		+ 50	0.69743	-0.0005692
Battery Endpoint	3.40	+ 20	0.69743	-0.0005697

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

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## Frequency Stability / Temperature Variation

NR Band n12				
Operating Band Lower Boundary (GHz)			0.699	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69952295	-0.00052295
		- 20	0.69994149	-0.00094149
		- 10	0.69908886	-0.00008886
		0	0.69902449	-0.00002449
		+ 10	0.69922929	-0.00022929
		+ 20 (Ref)	0.69996624	-0.00096624
		+ 30	0.69984633	-0.00084633
		+ 40	0.69924933	-0.00024933
		+ 50	0.69916149	-0.00016149
Battery Endpoint	3.40	+ 20	0.69961616	-0.00061616

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

NR Band n12				
Operating Band Upper Boundary (GHz)			0.716	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.71525871	-0.00074129
		- 20	0.71595715	-0.00004285
		- 10	0.71501014	-0.00098986
		0	0.71592117	-0.00007883
		+ 10	0.71504427	-0.00095573
		+ 20 (Ref)	0.71592381	-0.00007619
		+ 30	0.71555442	-0.00044558
		+ 40	0.71556693	-0.00043307
		+ 50	0.71576232	-0.00023768
Battery Endpoint	3.40	+ 20	0.71502067	-0.00097933

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

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## Frequency Stability / Temperature Variation

<b>WCDMA AWS</b>				
Operating Band Lower Boundary (GHz)			1.710	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71086394	-0.00086394
		- 20	1.71081725	-0.00081725
		- 10	1.71034131	-0.00034131
		0	1.71046555	-0.00046555
		+ 10	1.71049278	-0.00049278
		+ 20 (Ref)	1.71027330	-0.00027330
		+ 30	1.71065910	-0.00065910
		+ 40	1.71087836	-0.00087836
	+ 50	1.71024920	-0.00024920	
Battery Endpoint	3.40	+ 20	1.71071119	-0.00071119

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


<b>WCDMA AWS</b>				
Operating Band Upper Boundary (GHz)			1.755	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.75417644	-0.00082356
		- 20	1.75413592	-0.00086408
		- 10	1.75425889	-0.00074111
		0	1.75483896	-0.00016104
		+ 10	1.75472258	-0.00027742
		+ 20 (Ref)	1.75456415	-0.00043585
		+ 30	1.75426793	-0.00073207
		+ 40	1.75453139	-0.00046861
	+ 50	1.75454187	-0.00045813	
Battery Endpoint	3.40	+ 20	1.75429941	-0.00070059

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

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## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2899** complies with all the requirements of Part 27 of the FCC rules.

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<b>Test Report S/N:</b> 1C2311270066-09.BCG	<b>Test Dates:</b> 10/1/2023 - 3/16/2024	<b>EUT Type:</b> Tablet Device	Page 344 of 344

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