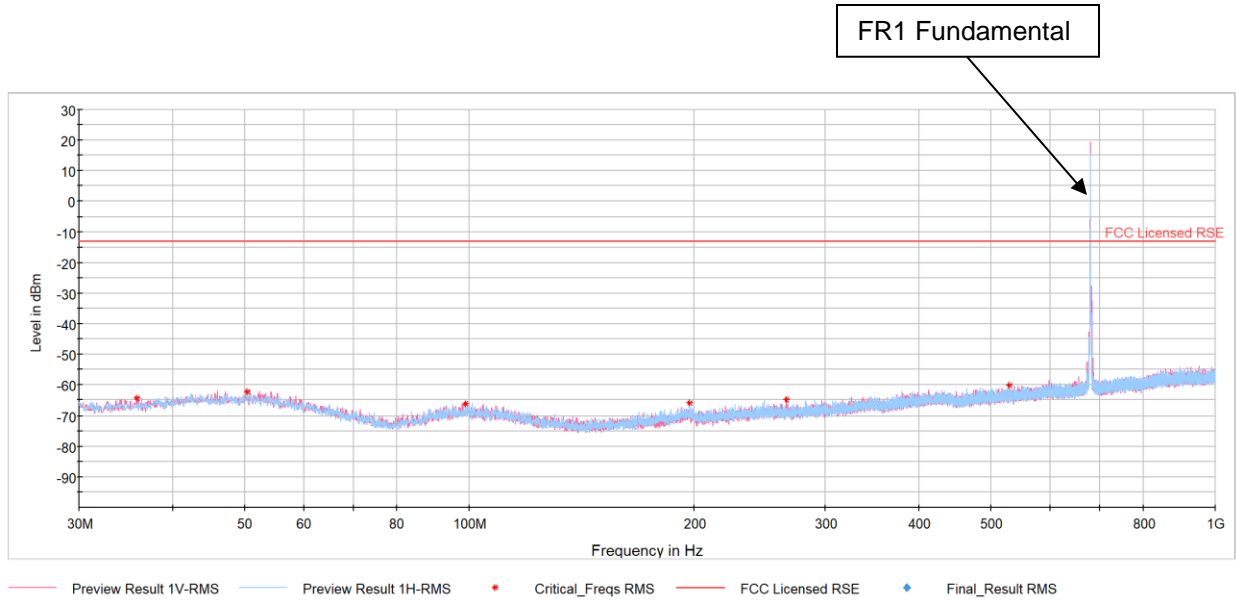
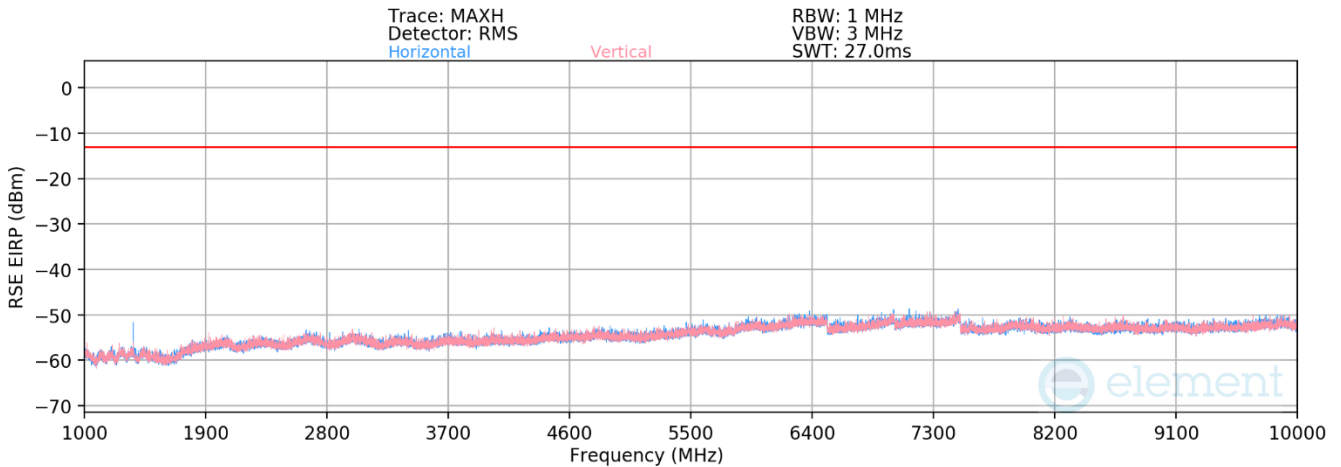


# NR Band n71



**Plot 7-486. Antenna 3 Radiated Spurious Emission below 1GHz (NR Band n71)**



**Plot 7-487. Antenna 3 Radiated Spurious Emission above 1GHz (NR Band n71)**

FCC ID: BCGA2837	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 311 of 345

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	V	180	62	-71.10	-4.77	31.13	-64.13	-13.00	-51.13
2019.0	V	-	-	-73.32	-1.15	32.53	-62.73	-13.00	-49.73
2692.0	V	-	-	-74.41	1.10	33.70	-61.56	-13.00	-48.56
3365.0	V	-	-	-75.53	1.96	33.43	-61.83	-13.00	-48.83

**Table 7-52. Antenna 3 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	152	193	-69.66	-4.79	32.54	-62.71	-13.00	-49.71
2041.5	H	-	-	-73.33	-1.06	32.61	-62.65	-13.00	-49.65
2722.0	H	-	-	-74.58	1.05	33.47	-61.79	-13.00	-48.79
3402.5	H	-	-	-75.75	2.04	33.28	-61.97	-13.00	-48.97

**Table 7-53. Antenna 3 Radiated Spurious Data (NR Band n71 – Mid Channel)**

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

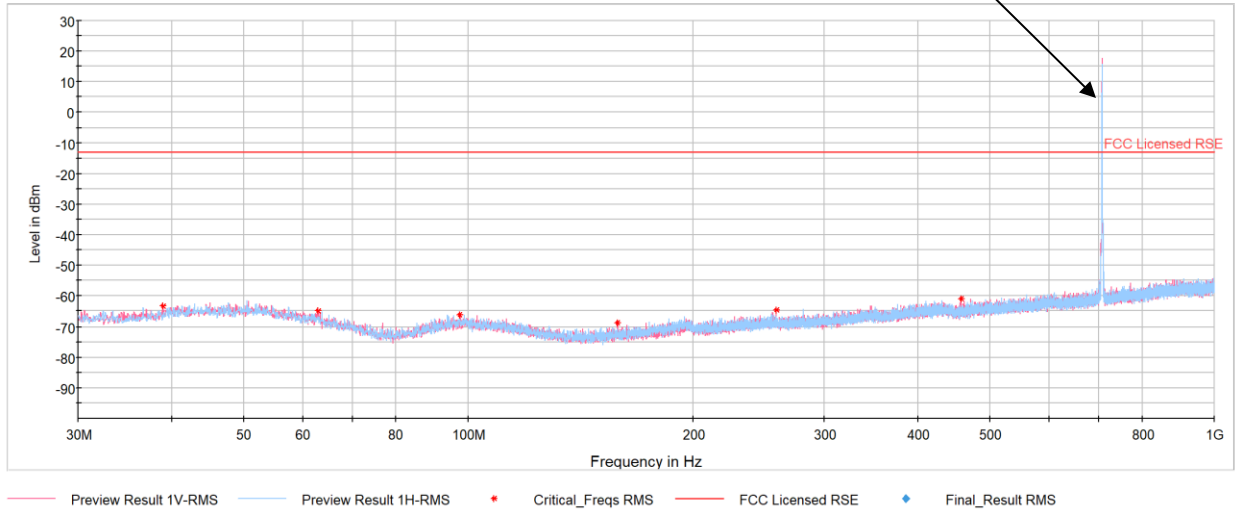
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	V	271	98	-71.22	-4.72	31.06	-64.20	-13.00	-51.20
2064.0	V	-	-	-73.06	-1.01	32.93	-62.33	-13.00	-49.33
2752.0	V	-	-	-74.64	0.74	33.10	-62.16	-13.00	-49.16
3440.0	V	-	-	-75.85	1.79	32.94	-62.31	-13.00	-49.31

**Table 7-54. Antenna 3 Radiated Spurious Data (NR Band n71 – High Channel)**

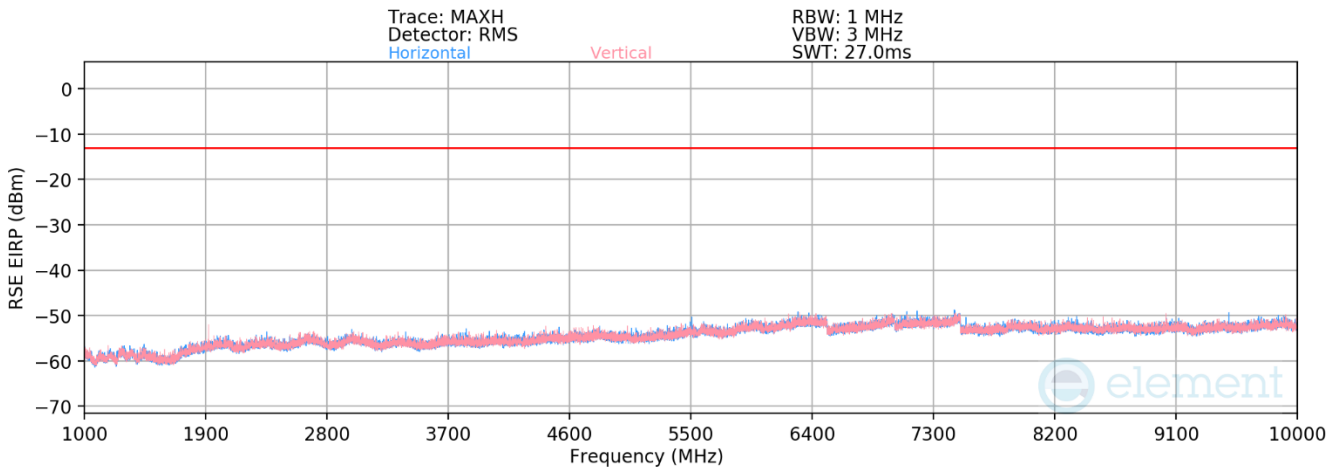
FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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**NR Band n12**

FR1 Fundamental



**Plot 7-488. Antenna 3 Radiated Spurious Emission below 1GHz (NR Band n12)**



**Plot 7-489. Antenna 3 Radiated Spurious Emission above 1GHz (NR Band n12)**

<b>FCC ID:</b> BCGA2837	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-09.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device	Page 313 of 345

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	H	-	-	-71.51	-5.12	30.37	-64.89	-13.00	-51.89
2119.5	H	-	-	-73.72	-1.48	31.80	-63.45	-13.00	-50.45
2826.0	H	-	-	-74.90	0.10	32.20	-63.06	-13.00	-50.06

**Table 7-55. Antenna 3 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	-	-	-71.67	-4.97	30.36	-64.90	-13.00	-51.90
2122.5	H	-	-	-73.68	-1.48	31.84	-63.42	-13.00	-50.42
2830.0	H	-	-	-74.77	0.10	32.32	-62.93	-13.00	-49.93

**Table 7-56. Antenna 3 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	-	-	-71.65	-4.97	30.38	-64.88	-13.00	-51.88
2125.5	H	-	-	-73.74	-1.48	31.79	-63.47	-13.00	-50.47
2834.0	H	-	-	-74.77	0.10	32.33	-62.93	-13.00	-49.93

**Table 7-57. Antenna 3 Radiated Spurious Data (NR Band n12 – High Channel)**

FCC ID: BCGA2837	 <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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-76.12	-0.66	30.22	-65.03	-13.00	-52.03
5137.2	H	-	-	-77.51	2.44	31.93	-63.33	-13.00	-50.33
6849.6	H	-	-	-78.01	4.87	33.86	-61.39	-13.00	-48.39

**Table 7-58. Antenna 3 Radiated Spurious Data (WCDMA AWS – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-75.98	-0.77	30.25	-65.00	-13.00	-52.00
5197.8	H	-	-	-77.66	2.57	31.91	-63.35	-13.00	-50.35
6930.4	H	-	-	-78.08	4.94	33.85	-61.40	-13.00	-48.40

**Table 7-59. Antenna 3 Radiated Spurious Data (WCDMA AWS – Mid Channel)**

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

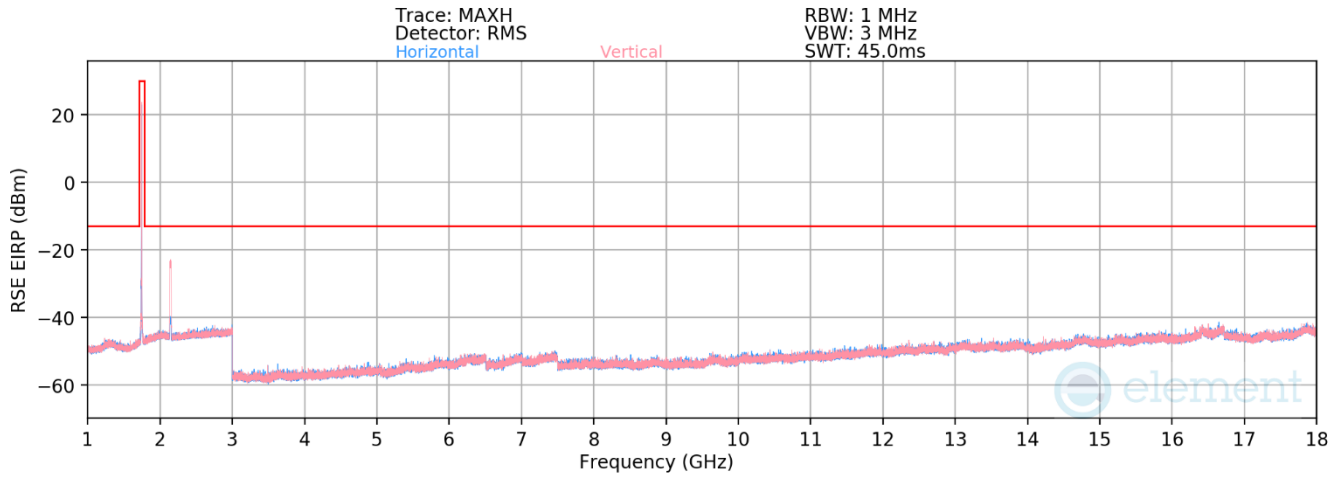
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-76.19	-0.57	30.24	-65.02	-13.00	-52.02
5257.8	H	-	-	-77.42	2.58	32.15	-63.10	-13.00	-50.10
7010.4	H	-	-	-77.98	4.97	33.98	-61.27	-13.00	-48.27

**Table 7-60. Antenna 3 Radiated Spurious Data (WCDMA AWS – High Channel)**


FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## 7.7.2 Antenna 1 – Radiated Spurious Emission Measurement

### LTE Band 66/4



**Plot 7-490. Antenna 1 Radiated Spurious Emission above 1GHz (LTE Band 66)**

<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-09.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device	Page 316 of 345

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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	236	34	-72.91	1.48	35.57	-59.68	-13.00	-46.68
5160.0	V	-	-	-78.77	4.81	33.04	-62.22	-13.00	-49.22
6880.0	V	-	-	-79.39	8.64	36.25	-59.01	-13.00	-46.01
8600.0	V	-	-	-80.27	8.62	35.35	-59.91	-13.00	-46.91

**Table 7-61. Antenna 1 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	257	37	-71.82	1.01	36.19	-59.07	-13.00	-46.07
5235.0	V	-	-	-78.53	4.48	32.95	-62.31	-13.00	-49.31
6980.0	V	-	-	-79.64	8.87	36.23	-59.03	-13.00	-46.03
8725.0	V	-	-	-80.68	9.10	35.42	-59.83	-13.00	-46.83

**Table 7-62. Antenna 1 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	-	-	-76.81	1.24	31.44	-63.82	-13.00	-50.82
5310.0	V	-	-	-78.81	5.11	33.29	-61.96	-13.00	-48.96
7080.0	V	-	-	-79.88	8.83	35.95	-59.31	-13.00	-46.31

**Table 7-63. Antenna 1 Radiated Spurious Data (LTE Band 66/4 – High Channel)**

<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-09.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device	Page 317 of 345

## LTE Band 71

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	-	-	-72.20	-4.77	30.03	-65.22	-13.00	-52.22
2019.0	H	-	-	-73.85	-1.15	32.00	-63.26	-13.00	-50.26
2692.0	H	-	-	-75.14	1.10	32.97	-62.29	-13.00	-49.29

**Table 7-64. Antenna 1 Radiated Spurious Data (LTE Band 71 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	250	313	-71.67	-4.79	30.54	-64.71	-13.00	-51.71
2041.5	H	-	-	-73.93	-1.06	32.00	-63.25	-13.00	-50.25
2722.0	H	-	-	-75.32	1.05	32.73	-62.53	-13.00	-49.53
3402.5	H	-	-	-76.31	2.04	32.73	-62.53	-13.00	-49.53

**Table 7-65. Antenna 1 Radiated Spurious Data (LTE Band 71 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	333	240	-72.33	-4.79	29.88	-65.38	-13.00	-52.38
2064.0	H	-	-	-73.87	-1.01	32.12	-63.14	-13.00	-50.14
2752.0	H	-	-	-75.28	0.74	32.46	-62.80	-13.00	-49.80
3440.0	H	-	-	-76.25	1.79	32.54	-62.71	-13.00	-49.71

**Table 7-66. Antenna 1 Radiated Spurious Data (LTE Band 71 – High Channel)**

FCC ID: BCGA2837	 <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	-	-	-72.37	-5.12	29.51	-65.75	-13.00	-52.75
2112.0	H	-	-	-74.50	-1.14	31.36	-63.90	-13.00	-50.90
2816.0	H	-	-	-75.37	0.10	31.72	-63.53	-13.00	-50.53

**Table 7-67. Antenna 1 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	153	32	-70.96	-5.12	30.92	-64.34	-13.00	-51.34
2122.5	H	-	-	-74.32	-1.48	31.20	-64.06	-13.00	-51.06
2830.0	H	-	-	-75.34	0.10	31.76	-63.50	-13.00	-50.50
3537.5	H	-	-	-75.99	1.28	32.29	-62.97	-13.00	-49.97

**Table 7-68. Antenna 1 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	V	312	63	-72.18	-5.12	29.69	-65.56	-13.00	-52.56
2133.0	V	-	-	-74.23	-1.48	31.29	-63.97	-13.00	-50.97
2844.0	V	-	-	-75.33	0.00	31.67	-63.59	-13.00	-50.59
3555.0	V	-	-	-76.19	1.30	32.11	-63.15	-13.00	-50.15

**Table 7-69. Antenna 1 Radiated Spurious Data (LTE Band 12/17 – High Channel)**

FCC ID: BCGA2837	 <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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	H	-	-	-73.16	-5.30	28.54	-66.72	-40.00	-26.72
2338.5	H	-	-	-74.47	-0.38	32.16	-63.10	-13.00	-50.10
3118.0	H	-	-	-75.96	1.72	32.76	-62.50	-13.00	-49.50

**Table 7-70. Antenna 1 Radiated Spurious Data (LTE Band 13 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	-	-	-72.87	-5.43	28.70	-66.56	-40.00	-26.56
2346.0	H	-	-	-74.43	-0.38	32.19	-63.06	-13.00	-50.06
3128.0	H	-	-	-75.85	1.50	32.65	-62.60	-13.00	-49.60

**Table 7-71. Antenna 1 Radiated Spurious Data (LTE Band 13 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	H	-	-	-73.04	-5.43	28.53	-66.73	-40.00	-26.73
2353.5	H	-	-	-74.32	-0.38	32.30	-62.96	-13.00	-49.96
3138.0	H	-	-	-75.92	1.50	32.58	-62.67	-13.00	-49.67

**Table 7-72. Antenna 1 Radiated Spurious Data (LTE Band 13 – High Channel)**

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 320 of 345

## NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-76.64	3.07	33.43	-61.82	-13.00	-48.82
5190.0	H	-	-	-78.25	7.58	36.33	-58.93	-13.00	-45.93
6920.0	H	-	-	-78.60	10.36	38.76	-56.49	-13.00	-43.49

**Table 7-73. Antenna 1 Radiated Spurious Data (NR Band n66 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-76.35	3.08	33.73	-61.53	-13.00	-48.53
5235.0	H	-	-	-77.64	7.83	37.19	-58.07	-13.00	-45.07
6980.0	H	-	-	-78.85	9.61	37.76	-57.50	-13.00	-44.50

**Table 7-74. Antenna 1 Radiated Spurious Data (NR Band n66 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-76.49	3.16	33.68	-61.58	-13.00	-48.58
5280.0	H	-	-	-78.07	8.28	37.20	-58.05	-13.00	-45.05
7040.0	H	-	-	-78.75	9.68	37.93	-57.33	-13.00	-44.33

**Table 7-75. Antenna 1 Radiated Spurious Data (NR Band n66 – High Channel)**

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 321 of 345

## 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	-	-	-77.21	3.01	32.79	-62.47	-13.00	-49.47
5100.0	H	-	-	-78.17	6.90	35.73	-59.53	-13.00	-46.53
6800.0	H	-	-	-78.77	9.78	38.01	-57.24	-13.00	-44.24

**Table 7-76. Antenna 1 Radiated Spurious Data (NR Band n70 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	H	-	-	-77.01	2.85	32.85	-62.41	-13.00	-49.41
5107.5	H	-	-	-78.05	7.19	36.14	-59.12	-13.00	-46.12
6810.0	H	-	-	-78.11	9.90	38.79	-56.46	-13.00	-43.46

**Table 7-77. Antenna 1 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	-	-	-76.82	2.93	33.11	-62.15	-13.00	-49.15
5115.0	H	-	-	-78.17	7.12	35.95	-59.31	-13.00	-46.31
6820.0	H	-	-	-78.50	9.93	38.42	-56.84	-13.00	-43.84

**Table 7-78. Antenna 1 Radiated Spurious Data (NR Band n70 – High Channel)**

FCC ID: BCGA2837	 <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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	-	-	-71.47	-4.76	30.78	-64.48	-13.00	-51.48
2019.0	H	-	-	-73.41	-1.15	32.44	-62.82	-13.00	-49.82
2692.0	H	-	-	-74.45	1.10	33.66	-61.60	-13.00	-48.60

**Table 7-79. Antenna 1 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	-	-	-71.48	-4.77	30.75	-64.50	-13.00	-51.50
2041.5	H	-	-	-73.42	-1.01	32.57	-62.69	-13.00	-49.69
2722.0	H	-	-	-74.67	1.05	33.39	-61.87	-13.00	-48.87

**Table 7-80. Antenna 1 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	-	-	-71.78	-4.79	30.42	-64.83	-13.00	-51.83
2064.0	H	-	-	-73.30	-1.01	32.69	-62.57	-13.00	-49.57
2752.0	H	-	-	-74.72	0.74	33.01	-62.24	-13.00	-49.24

**Table 7-81. Antenna 1 Radiated Spurious Data (NR Band n71 – High Channel)**

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 323 of 345

## NR Band n12

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	H	-	-	-72.02	-4.97	30.01	-65.25	-13.00	-52.25
2119.5	H	-	-	-73.77	-1.48	31.75	-63.50	-13.00	-50.50
2826.0	H	-	-	-74.88	0.10	32.22	-63.04	-13.00	-50.04

**Table 7-82. Antenna 1 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	-	-	-71.80	-4.97	30.23	-65.03	-13.00	-52.03
2122.5	H	-	-	-73.61	-1.48	31.91	-63.35	-13.00	-50.35
2830.0	H	-	-	-74.76	0.00	32.24	-63.01	-13.00	-50.01

**Table 7-83. Antenna 1 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	-	-	-71.65	-5.12	30.23	-65.03	-13.00	-52.03
2125.5	H	-	-	-73.62	-1.48	31.90	-63.35	-13.00	-50.35
2834.0	H	-	-	-74.57	0.00	32.43	-62.83	-13.00	-49.83

**Table 7-84. Antenna 1 Radiated Spurious Data (NR Band n12 – High Channel)**

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 324 of 345

## 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	-	-	-78.08	2.47	31.39	-63.87	-13.00	-50.87
5137.2	H	-	-	-79.62	5.51	32.89	-62.37	-13.00	-49.37
6849.6	H	-	-	-79.89	8.55	35.66	-59.59	-13.00	-46.59

**7-85. Antenna 1 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	-	-	-78.11	2.52	31.41	-63.85	-13.00	-50.85
5197.8	H	-	-	-78.93	5.20	33.28	-61.98	-13.00	-48.98
6930.4	H	-	-	-79.74	8.32	35.59	-59.67	-13.00	-46.67

**Table 7-86. Antenna 1 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	-	-	-77.93	2.37	31.44	-63.82	-13.00	-50.82
5257.8	H	-	-	-78.73	5.32	33.59	-61.67	-13.00	-48.67
7010.4	H	-	-	-79.64	8.23	35.60	-59.66	-13.00	-46.66

**Table 7-87. Antenna 1 Radiated Spurious Data (WCDMA AWS – High Channel)**

<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-09.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device	Page 325 of 345

### 7.7.3 Antenna 4b – 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	-	-	-77.24	1.48	31.24	-64.02	-13.00	-51.02
5160.0	H	-	-	-78.68	4.81	33.13	-62.13	-13.00	-49.13
6880.0	H	-	-	-79.66	8.64	35.98	-59.28	-13.00	-46.28

**Table 7-88. Antenna 4b 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	-	-	-77.02	1.15	31.13	-64.13	-13.00	-51.13
5235.0	H	-	-	-78.66	4.48	32.83	-62.43	-13.00	-49.43
6980.0	H	-	-	-79.57	8.88	36.31	-58.95	-13.00	-45.95

**Table 7-89. Antenna 4b 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	-	-	-76.92	1.24	31.32	-63.93	-13.00	-50.93
5310.0	H	-	-	-78.72	5.11	33.39	-61.87	-13.00	-48.87
7080.0	H	-	-	-79.86	8.83	35.96	-59.29	-13.00	-46.29

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

FCC ID: BCGA2837	 <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	-	-	-76.79	3.10	33.31	-61.95	-13.00	-48.95
5190.0	H	-	-	-78.26	7.58	36.32	-58.94	-13.00	-45.94
6920.0	H	-	-	-78.72	10.36	38.64	-56.62	-13.00	-43.62

**Table 7-91. Antenna 4b 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	-	-	-76.77	3.25	33.48	-61.78	-13.00	-48.78
5235.0	H	-	-	-77.74	7.83	37.09	-58.17	-13.00	-45.17
6980.0	H	-	-	-78.83	9.61	37.78	-57.47	-13.00	-44.47

**Table 7-92. Antenna 4b Radiated Spurious Data (NR Band n66 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-76.62	3.32	33.71	-61.55	-13.00	-48.55
5280.0	H	-	-	-78.12	8.28	37.16	-58.10	-13.00	-45.10
7040.0	H	-	-	-79.04	9.91	37.88	-57.38	-13.00	-44.38

**Table 7-93. Antenna 4b Radiated Spurious Data (NR Band n66 – High Channel)**

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 327 of 345

## 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	-	-	-77.32	3.01	32.68	-62.57	-13.00	-49.57
5100.0	H	-	-	-78.35	6.90	35.55	-59.70	-13.00	-46.70
6800.0	H	-	-	-78.77	9.78	38.01	-57.25	-13.00	-44.25

**Table 7-94. Antenna 4b Radiated Spurious Data (NR Band n70 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	H	-	-	-76.98	2.85	32.87	-62.39	-13.00	-49.39
5107.5	H	-	-	-78.23	7.19	35.96	-59.30	-13.00	-46.30
6810.0	H	-	-	-78.45	9.81	38.36	-56.89	-13.00	-43.89

**Table 7-95. Antenna 4b Radiated Spurious Data (NR Band n70 – Mid Channel)**

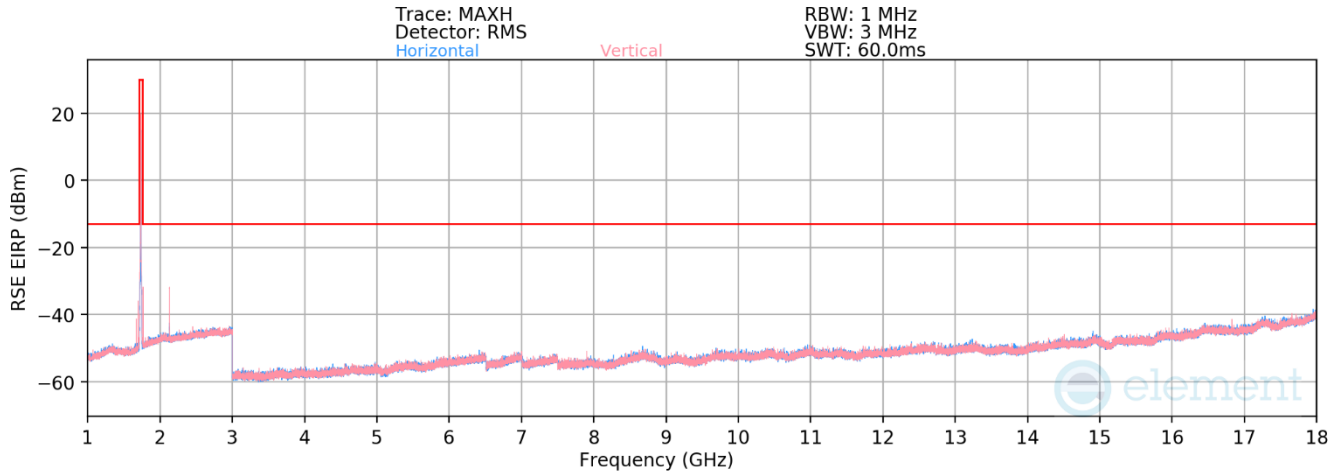
Bandwidth (MHz):	10
Frequency (MHz):	1705.0
RB / Offset:	1 / 25

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	-	-	-77.03	2.93	32.90	-62.35	-13.00	-49.35
5115.0	H	-	-	-78.25	7.19	35.94	-59.32	-13.00	-46.32
6820.0	H	-	-	-78.44	9.93	38.49	-56.77	-13.00	-43.77


**Table 7-96. Antenna 4b Radiated Spurious Data (NR Band n70 – High Channel)**

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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# WCDMA AWS



**Plot 7-491. Antenna 3 Radiated Spurious Emission above 1GHz (WCDMA AWS)**

<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-09.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device	Page 329 of 345

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-79.45	2.56	30.11	-65.15	-13.00	-52.15
5137.2	H	-	-	-80.96	5.41	31.45	-63.81	-13.00	-50.81
6849.6	H	-	-	-82.08	8.69	33.61	-61.64	-13.00	-48.64

**7-97. Antenna 4b 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	-	-	-78.83	2.52	30.69	-64.57	-13.00	-51.57
5197.8	H	-	-	-80.42	5.40	31.98	-63.28	-13.00	-50.28
6930.4	H	-	-	-81.39	8.41	34.02	-61.24	-13.00	-48.24

**Table 7-98. Antenna 4b Radiated Spurious Data (WCDMA AWS – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-79.15	2.66	30.51	-64.74	-13.00	-51.74
5257.8	H	-	-	-80.64	5.61	31.97	-63.29	-13.00	-50.29
7010.4	H	-	-	-81.02	8.46	34.44	-60.81	-13.00	-47.81

**Table 7-99. Antenna 4b Radiated Spurious Data (WCDMA AWS – High Channel)**

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 330 of 345

## 7.7.4 Antenna 2b – Radiated Spurious Emission Measurement

### LTE Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	264	40	-72.48	1.48	36.00	-59.26	-13.00	-46.26
5160.0	H	-	-	-78.80	4.81	33.01	-62.24	-13.00	-49.24
6880.0	H	-	-	-79.65	8.64	35.99	-59.27	-13.00	-46.27
8600.0	H	-	-	-80.36	8.62	35.26	-60.00	-13.00	-47.00

**Table 7-100. Antenna 2b Radiated Spurious Data (LTE Band 66/4 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	354	43	-72.03	1.01	35.98	-59.27	-13.00	-46.27
5235.0	H	-	-	-78.56	4.48	32.92	-62.34	-13.00	-49.34
6980.0	H	-	-	-79.52	8.88	36.36	-58.90	-13.00	-45.90
8725.0	H	-	-	-80.49	9.10	35.61	-59.65	-13.00	-46.65

**Table 7-101. Antenna 2b Radiated Spurious Data (LTE Band 66/4 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	H	-	-	-76.57	1.24	31.67	-63.58	-13.00	-50.58
5310.0	H	-	-	-78.79	5.11	33.32	-61.93	-13.00	-48.93
7080.0	H	-	-	-79.76	8.83	36.07	-59.19	-13.00	-46.19

**Table 7-102. Antenna 2b Radiated Spurious Data (LTE Band 66/4 – High Channel)**

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## NR Band n66

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-76.37	3.07	33.70	-61.56	-13.00	-48.56
5190.0	H	-	-	-78.30	7.58	36.28	-58.98	-13.00	-45.98
6920.0	H	-	-	-78.61	10.36	38.75	-56.51	-13.00	-43.51

**Table 7-103. Antenna 2b Radiated Spurious Data (NR Band n66 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-75.85	3.08	34.23	-61.03	-13.00	-48.03
5235.0	H	-	-	-77.61	7.83	37.21	-58.04	-13.00	-45.04
6980.0	H	-	-	-79.07	9.94	37.88	-57.38	-13.00	-44.38

**Table 7-104. Antenna 2b Radiated Spurious Data (NR Band n66 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-76.37	3.16	33.79	-61.46	-13.00	-48.46
5280.0	H	-	-	-78.07	8.28	37.21	-58.05	-13.00	-45.05
7040.0	H	-	-	-78.80	9.68	37.88	-57.38	-13.00	-44.38

**Table 7-105. Antenna 2b Radiated Spurious Data (NR Band n66 – High Channel)**

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## NR Band n70

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3400.0	V	312	272	-76.86	3.01	33.15	-62.11	-13.00	-49.11
5100.0	V	-	-	-78.15	6.90	35.75	-59.51	-13.00	-46.51
6800.0	V	-	-	-78.69	9.78	38.09	-57.17	-13.00	-44.17
8500.0	V	-	-	-78.22	10.24	39.01	-56.24	-13.00	-43.24

**Table 7-106. Antenna 2b Radiated Spurious Data (NR Band n70 – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.0	V	-	-	-76.91	2.85	32.94	-62.32	-13.00	-49.32
5107.5	V	-	-	-78.16	7.19	36.02	-59.23	-13.00	-46.23
6810.0	V	-	-	-78.20	9.90	38.71	-56.55	-13.00	-43.55

**Table 7-107. Antenna 2b Radiated Spurious Data (NR Band n70 – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3410.0	V	-	-	-76.74	2.93	33.19	-62.07	-13.00	-49.07
5115.0	V	-	-	-78.01	7.19	36.18	-59.08	-13.00	-46.08
6820.0	V	-	-	-78.38	9.90	38.53	-56.73	-13.00	-43.73

**Table 7-108. Antenna 2b 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	-	-	-75.85	-0.75	30.39	-64.87	-13.00	-51.87
5137.2	H	-	-	-77.52	2.44	31.93	-63.33	-13.00	-50.33
6849.6	H	-	-	-77.95	4.87	33.92	-61.33	-13.00	-48.33

**Table 7-109. Antenna 2b Radiated Spurious Data (WCDMA AWS – Low Channel)**

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


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-75.98	-0.77	30.25	-65.01	-13.00	-52.01
5197.8	H	-	-	-77.62	2.57	31.95	-63.31	-13.00	-50.31
6930.4	H	-	-	-78.11	4.94	33.82	-61.43	-13.00	-48.43

**Table 7-110. Antenna 2b Radiated Spurious Data (WCDMA AWS – Mid Channel)**

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-76.03	-0.57	30.39	-64.86	-13.00	-51.86
5257.8	H	-	-	-77.55	2.58	32.03	-63.23	-13.00	-50.23
7010.4	H	-	-	-78.04	4.98	33.94	-61.32	-13.00	-48.32

**Table 7-111. Antenna 2b 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

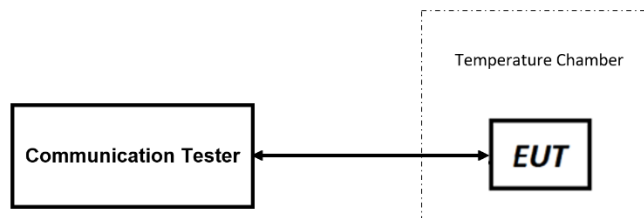
ANSI C63.26-2015

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	1.71063340	-0.00063340
		- 20	1.71096107	-0.00096107
		- 10	1.71002887	-0.00002887
		0	1.71030207	-0.00030207
		+ 10	1.71068866	-0.00068866
		+ 20 (Ref)	1.71005912	-0.00005912
		+ 30	1.71063915	-0.00063915
		+ 40	1.71077411	-0.00077411
		+ 50	1.71002054	-0.00002054
Battery Endpoint	3.40	+ 20	1.71034315	-0.00034315

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	1.77973348	-0.00026652
		- 20	1.77952108	-0.00047892
		- 10	1.77957728	-0.00042272
		0	1.77979121	-0.00020879
		+ 10	1.77936181	-0.00063819
		+ 20 (Ref)	1.77942755	-0.00057245
		+ 30	1.77908954	-0.00091046
		+ 40	1.77910339	-0.00089661
		+ 50	1.77969258	-0.00030742
Battery Endpoint	3.40	+ 20	1.77922706	-0.00077294

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	0.66391545	-0.00091545
		- 20	0.66388258	-0.00088258
		- 10	0.66383357	-0.00083357
		0	0.66319634	-0.00019634
		+ 10	0.66345147	-0.00045147
		+ 20 (Ref)	0.66366763	-0.00066763
		+ 30	0.66305296	-0.00005296
		+ 40	0.66381020	-0.00081020
		+ 50	0.66319553	-0.00019553
Battery Endpoint	3.40	+ 20	0.66378196	-0.00078196

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	0.69764317	-0.00035683
		- 20	0.69748440	-0.00051560
		- 10	0.69788976	-0.00011024
		0	0.69746691	-0.00053309
		+ 10	0.69747738	-0.00052262
		+ 20 (Ref)	0.69748215	-0.00051785
		+ 30	0.69725868	-0.00074132
		+ 40	0.69760307	-0.00039693
		+ 50	0.69763546	-0.00036454
Battery Endpoint	3.40	+ 20	0.69729934	-0.00070066

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	0.69961654	-0.00061654
		- 20	0.69991660	-0.00091660
		- 10	0.69984612	-0.00084612
		0	0.69984639	-0.00084639
		+ 10	0.69981132	-0.00081132
		+ 20 (Ref)	0.69929385	-0.00029385
		+ 30	0.69948750	-0.00048750
		+ 40	0.69903400	-0.00003400
		+ 50	0.69940897	-0.00040897
Battery Endpoint	3.40	+ 20	0.69908576	-0.00008576

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	0.71520405	-0.00079595
		- 20	0.71544510	-0.00055490
		- 10	0.71538710	-0.00061290
		0	0.71529789	-0.00070211
		+ 10	0.71593378	-0.00006622
		+ 20 (Ref)	0.71512565	-0.00087435
		+ 30	0.71559693	-0.00040307
		+ 40	0.71503929	-0.00096071
		+ 50	0.71519041	-0.00080959
Battery Endpoint	3.40	+ 20	0.71554029	-0.00045971

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

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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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	0.77794884	-0.00094884
		- 20	0.77766607	-0.00066607
		- 10	0.77753703	-0.00053703
		0	0.77778963	-0.00078963
		+ 10	0.77767447	-0.00067447
		+ 20 (Ref)	0.77729365	-0.00029365
		+ 30	0.77733080	-0.00033080
		+ 40	0.77726558	-0.00026558
		+ 50	0.77727264	-0.00027264
Battery Endpoint	3.40	+ 20	0.77793286	-0.00093286

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	0.78626143	-0.00073857
		- 20	0.78626420	-0.00073580
		- 10	0.78698664	-0.00001336
		0	0.78644602	-0.00055398
		+ 10	0.78668471	-0.00031529
		+ 20 (Ref)	0.78682424	-0.00017576
		+ 30	0.78673956	-0.00026044
		+ 40	0.78666914	-0.00033086
		+ 50	0.78628466	-0.00071534
Battery Endpoint	3.40	+ 20	0.78610808	-0.00089192

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

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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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	1.71009187	-0.00009187
		- 20	1.71004239	-0.00004239
		- 10	1.71034845	-0.00034845
		0	1.71039761	-0.00039761
		+ 10	1.71001269	-0.00001269
		+ 20 (Ref)	1.71093921	-0.00093921
		+ 30	1.71000226	-0.00000226
		+ 40	1.71041486	-0.00041486
		+ 50	1.71020620	-0.00020620
Battery Endpoint	3.40	+ 20	1.71074253	-0.00074253

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	1.77962767	-0.00037233
		- 20	1.77977948	-0.00022052
		- 10	1.77907026	-0.00092974
		0	1.77920218	-0.00079782
		+ 10	1.77917663	-0.00082337
		+ 20 (Ref)	1.77941326	-0.00058674
		+ 30	1.77935443	-0.00064557
		+ 40	1.77931414	-0.00068586
		+ 50	1.77964472	-0.00035528
Battery Endpoint	3.40	+ 20	1.77909250	-0.00090750

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

FCC ID: BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>		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	1.69551721	-0.00051721
		- 20	1.69578907	-0.00078907
		- 10	1.69587832	-0.00087832
		0	1.69580777	-0.00080777
		+ 10	1.69578376	-0.00078376
		+ 20 (Ref)	1.69533661	-0.00033661
		+ 30	1.69580085	-0.00080085
		+ 40	1.69586059	-0.00086059
		+ 50	1.69534185	-0.00034185
Battery Endpoint	3.40	+ 20	1.69519947	-0.00019947

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	1.70973908	-0.00026092
		- 20	1.70931226	-0.00068774
		- 10	1.70915532	-0.00084468
		0	1.70913641	-0.00086359
		+ 10	1.70945021	-0.00054979
		+ 20 (Ref)	1.70952952	-0.00047048
		+ 30	1.70917967	-0.00082033
		+ 40	1.70901334	-0.00098666
		+ 50	1.70987521	-0.00012479
Battery Endpoint	3.40	+ 20	1.70950533	-0.00049467

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

FCC ID: BCGA2837	 <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	0.66311643	-0.00011643
		- 20	0.66354770	-0.00054770
		- 10	0.66365554	-0.00065554
		0	0.66309664	-0.00096664
		+ 10	0.66392828	-0.00092828
		+ 20 (Ref)	0.66359053	-0.00059053
		+ 30	0.66394556	-0.00094556
		+ 40	0.66318269	-0.00018269
		+ 50	0.66341859	-0.00041859
Battery Endpoint	3.40	+ 20	0.66335147	-0.00035147

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	0.69750904	-0.00049096
		- 20	0.69713403	-0.00086597
		- 10	0.69797689	-0.00002311
		0	0.69738799	-0.00061201
		+ 10	0.69799766	-0.00000234
		+ 20 (Ref)	0.69708610	-0.00091390
		+ 30	0.69752424	-0.00047576
		+ 40	0.69720358	-0.00079642
		+ 50	0.69719292	-0.00080708
Battery Endpoint	3.40	+ 20	0.69775855	-0.00024145

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	0.69964538	-0.00064538
		- 20	0.69995902	-0.00095902
		- 10	0.69936033	-0.00036033
		0	0.69981566	-0.00081566
		+ 10	0.69984349	-0.00084349
		+ 20 (Ref)	0.69964091	-0.00064091
		+ 30	0.69930601	-0.00030601
		+ 40	0.69996075	-0.00096075
		+ 50	0.69989872	-0.00089872
Battery Endpoint	3.40	+ 20	0.69900156	-0.00000156

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	0.71508080	-0.00091920
		- 20	0.71517050	-0.00082950
		- 10	0.71517050	-0.00082950
		0	0.71517050	-0.00082950
		+ 10	0.71517050	-0.00082950
		+ 20 (Ref)	0.71517050	-0.00082950
		+ 30	0.71517050	-0.00082950
		+ 40	0.71517050	-0.00082950
		+ 50	0.71517050	-0.00082950
Battery Endpoint	3.40	+ 20	0.71517050	-0.00082950

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	1.71058250	-0.00058250
		- 20	1.71021401	-0.00021401
		- 10	1.71094163	-0.00094163
		0	1.71094823	-0.00094823
		+ 10	1.71036798	-0.00036798
		+ 20 (Ref)	1.71096727	-0.00096727
		+ 30	1.71056150	-0.00056150
		+ 40	1.71039055	-0.00039055
		+ 50	1.71043325	-0.00043325
Battery Endpoint	3.40	+ 20	1.71039882	-0.00039882

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	1.75483377	-0.00016623
		- 20	1.75448947	-0.00051053
		- 10	1.75450353	-0.00049647
		0	1.75490348	-0.00009652
		+ 10	1.75438857	-0.00061143
		+ 20 (Ref)	1.75472106	-0.00027894
		+ 30	1.75407092	-0.00092908
		+ 40	1.75419260	-0.00080740
		+ 50	1.75492541	-0.00007459
Battery Endpoint	3.40	+ 20	1.75440474	-0.00059526

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: BCGA2837** complies with all the requirements of Part 27 of the FCC rules.

<b>FCC ID:</b> BCGA2837	 <b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270068-09.BCG	<b>Test Dates:</b> 12/20/2023 - 3/20/2024	<b>EUT Type:</b> Tablet Device
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