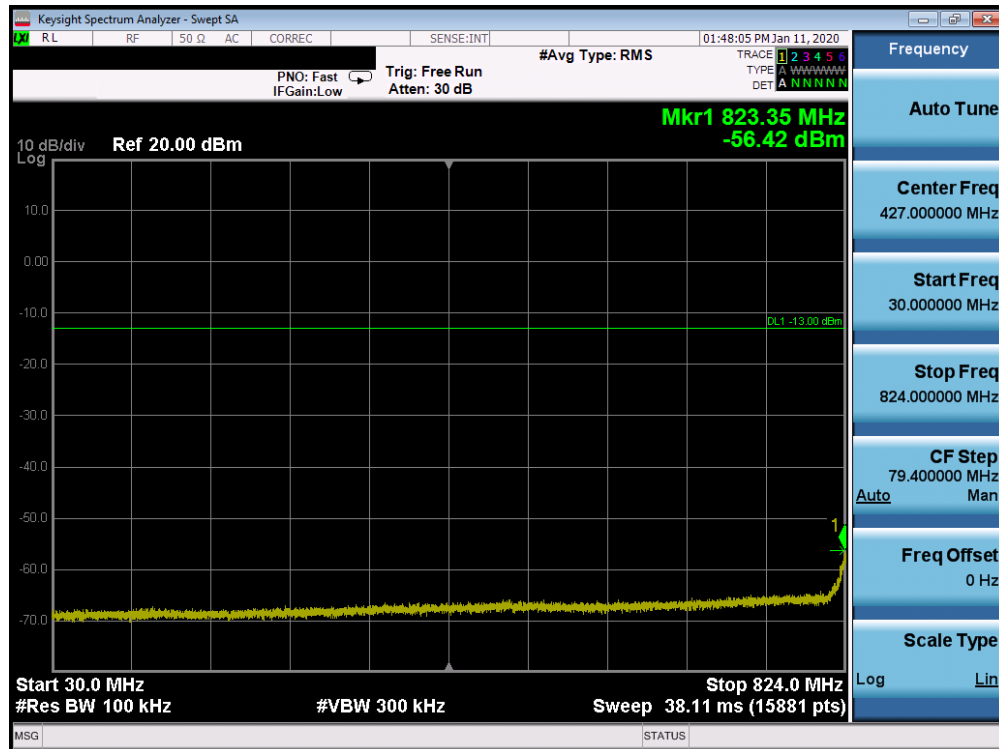
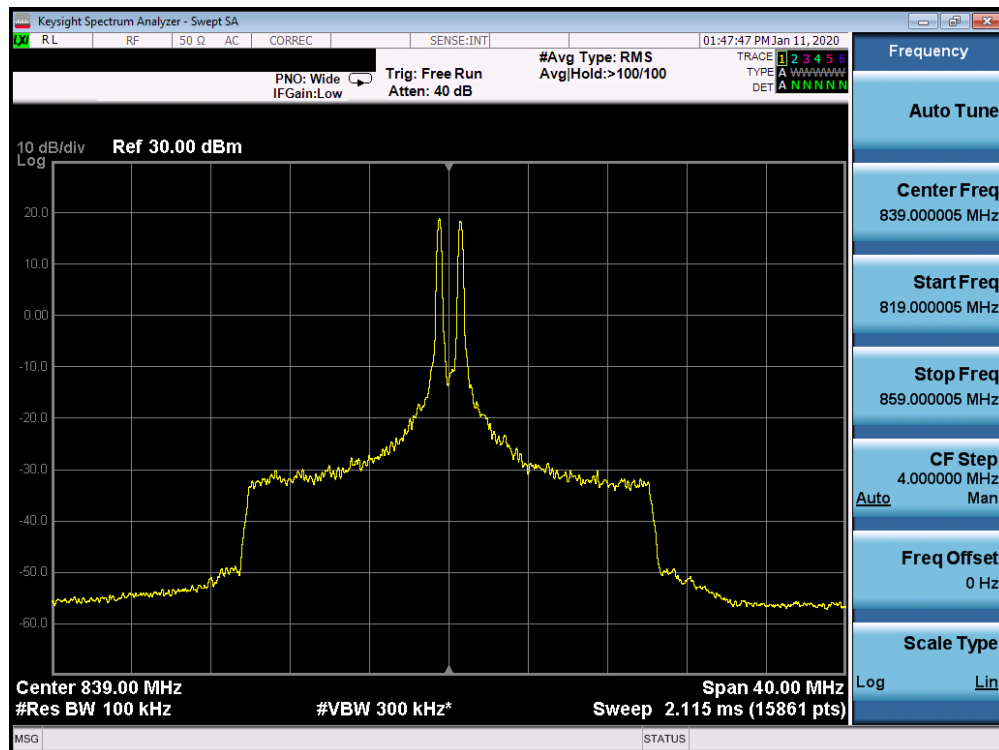


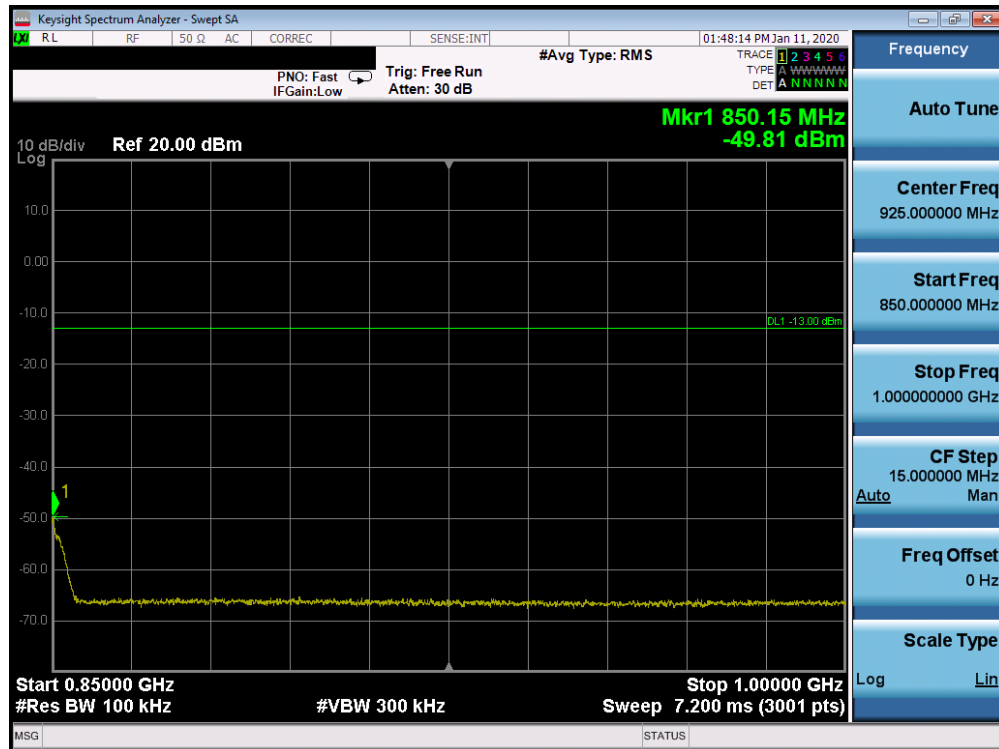


Plot 7-430. Conducted Spurious Plot (Band 5 – 10.0MHz QPSK – PCC 1/49 SCC 1/0 – High Channel)



Plot 7-431. Conducted Spurious Plot (Band 5 – 10.0MHz QPSK – PCC 1/49 SCC 1/0 – High Channel)

FCC ID: BCGA2068	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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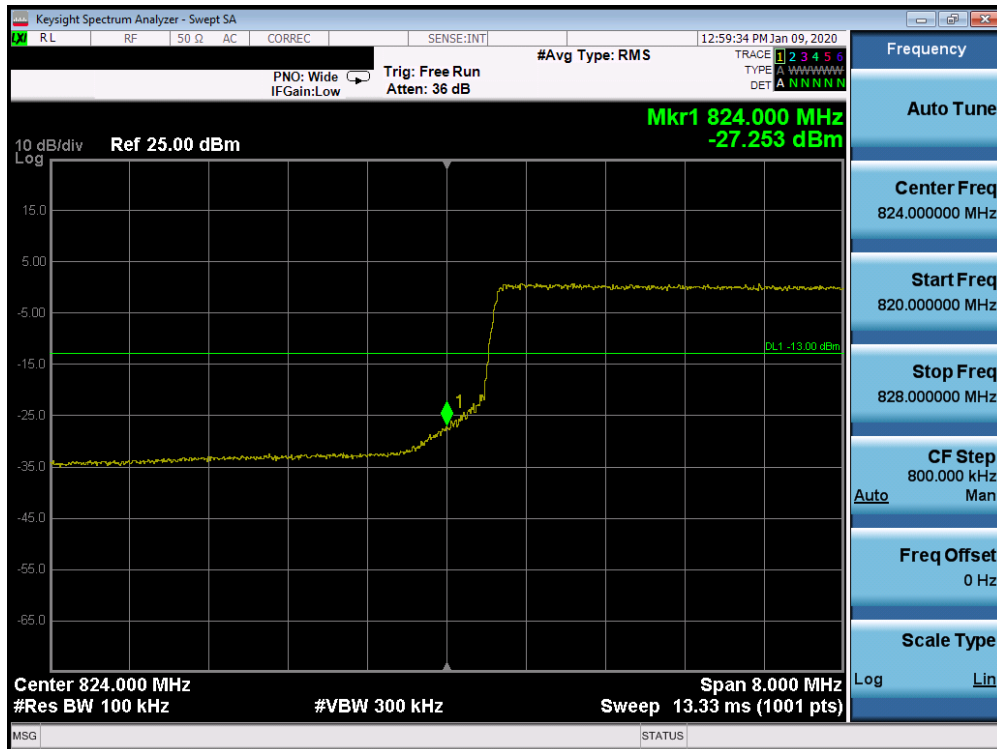


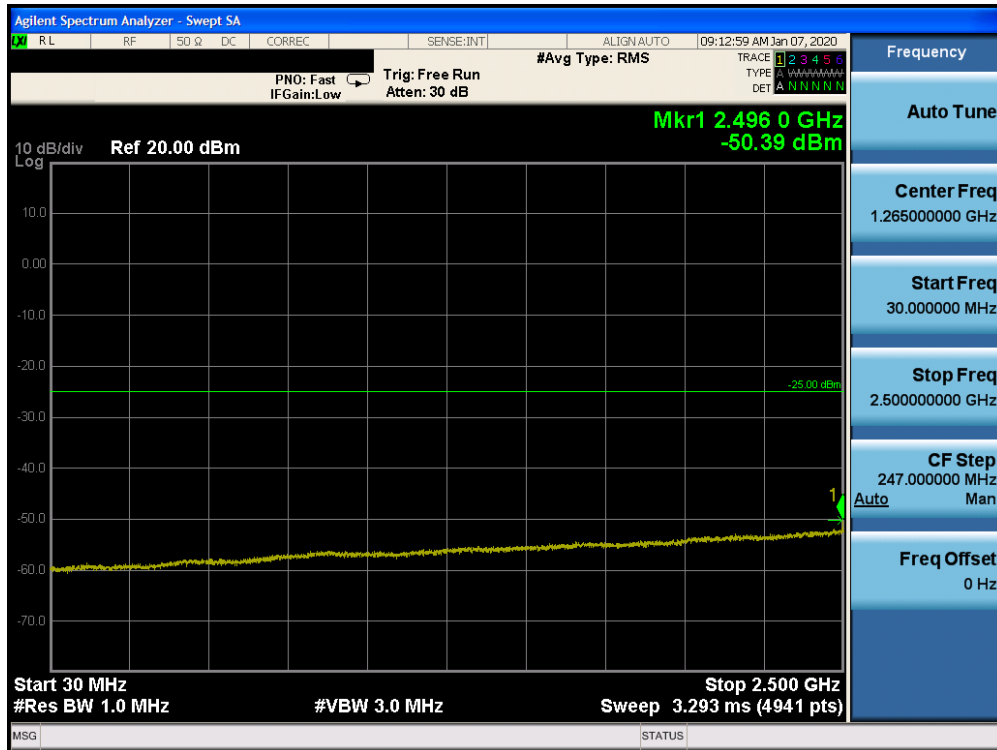
Plot 7-432. Conducted Spurious Plot (Band 5 – 10.0MHz QPSK – PCC 1/49 SCC 1/0 – High Channel)



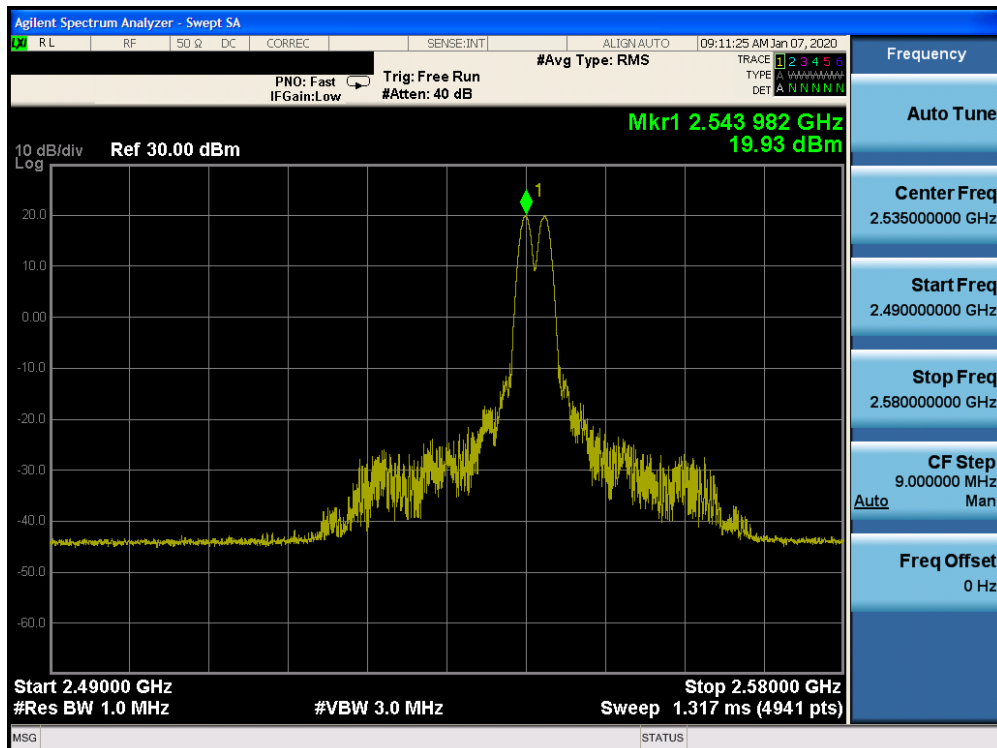
Plot 7-433. Conducted Spurious Plot (Band 5 – 10.0MHz QPSK – PCC 1/49 SCC 1/0 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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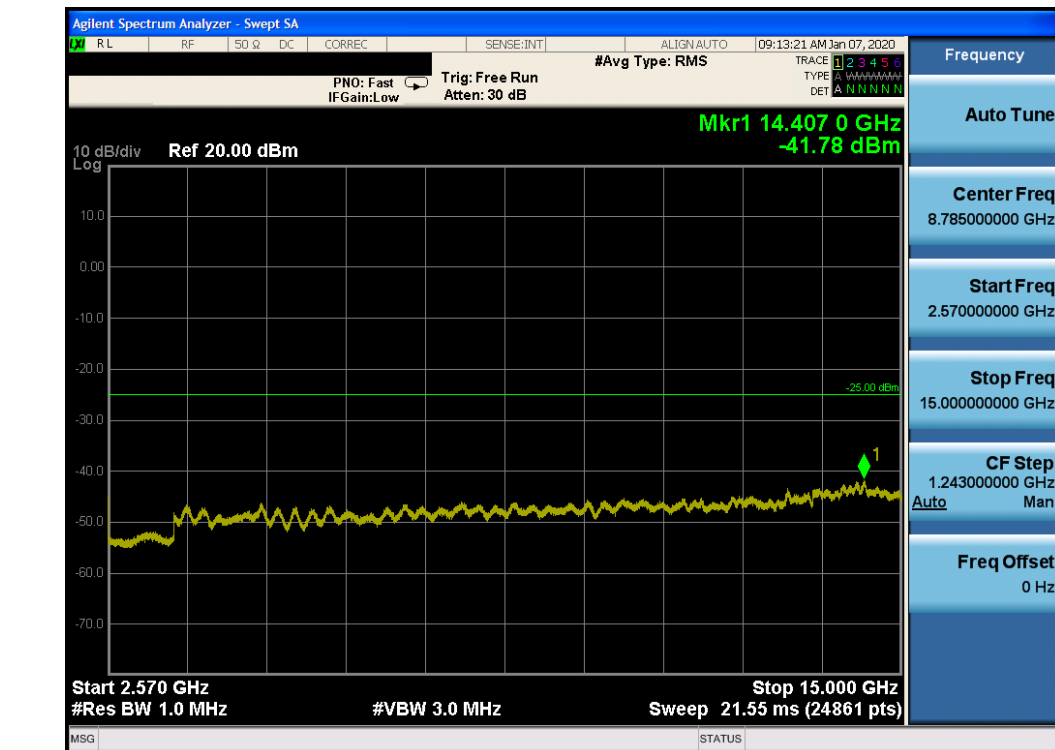


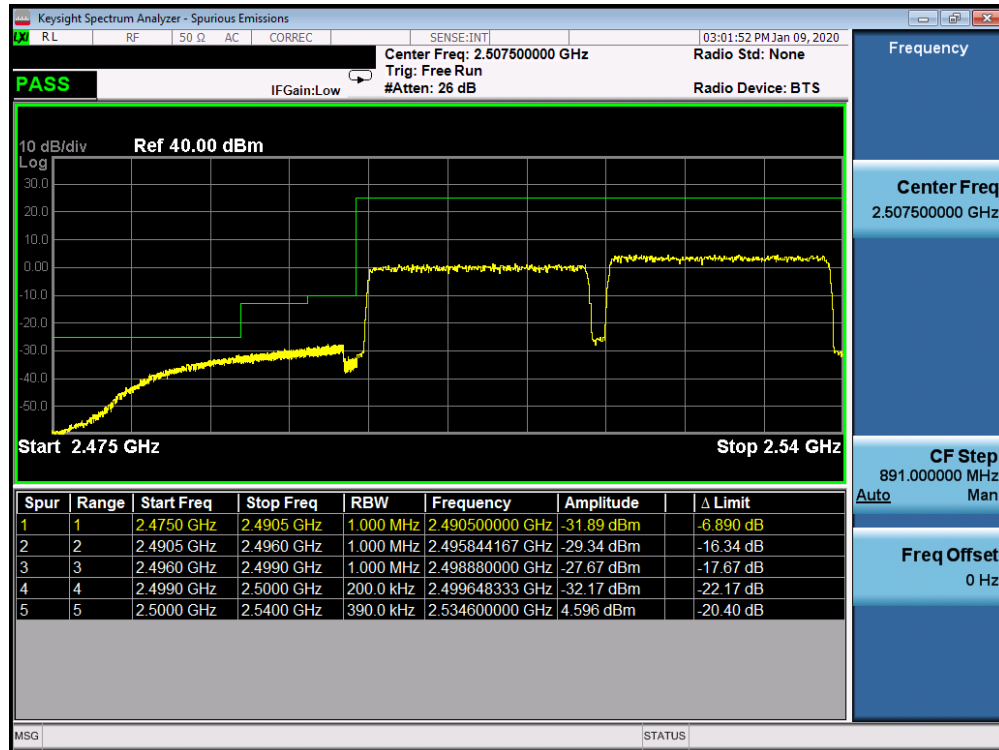
Plot 7-436. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)



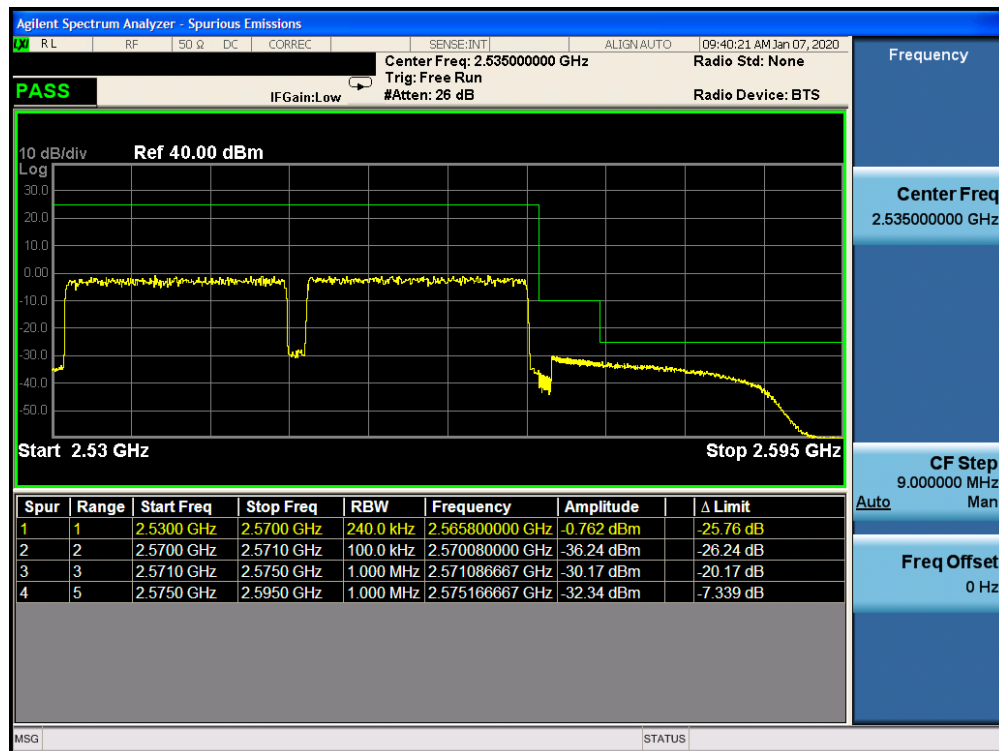
Plot 7-437. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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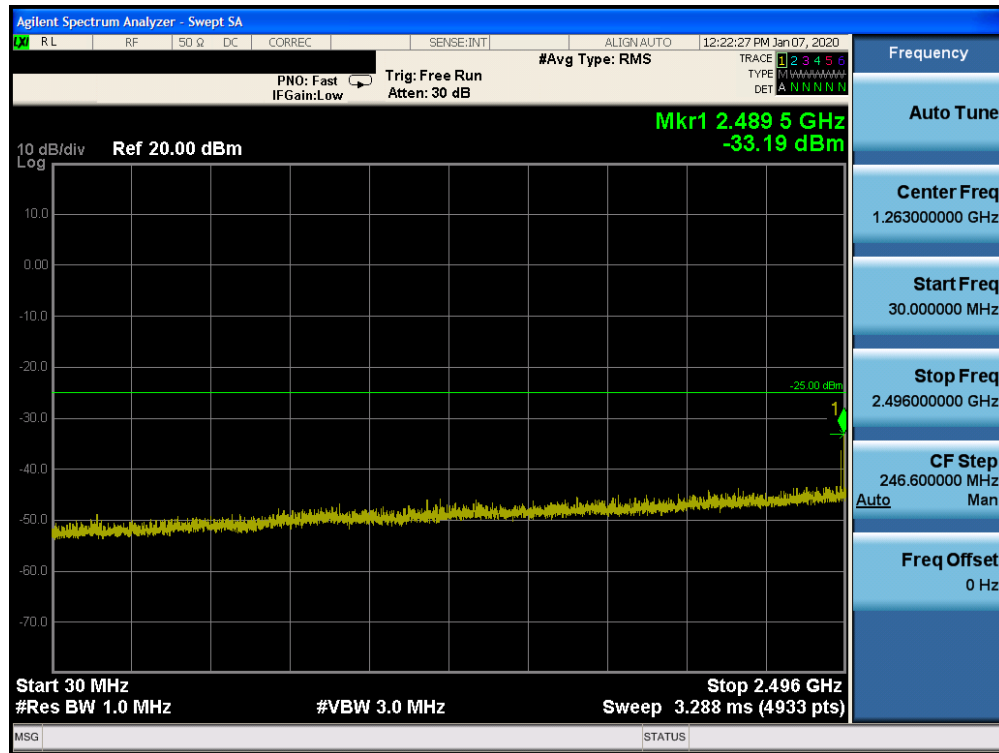


Plot 7-440. Lower ACP Plot (Band 7 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

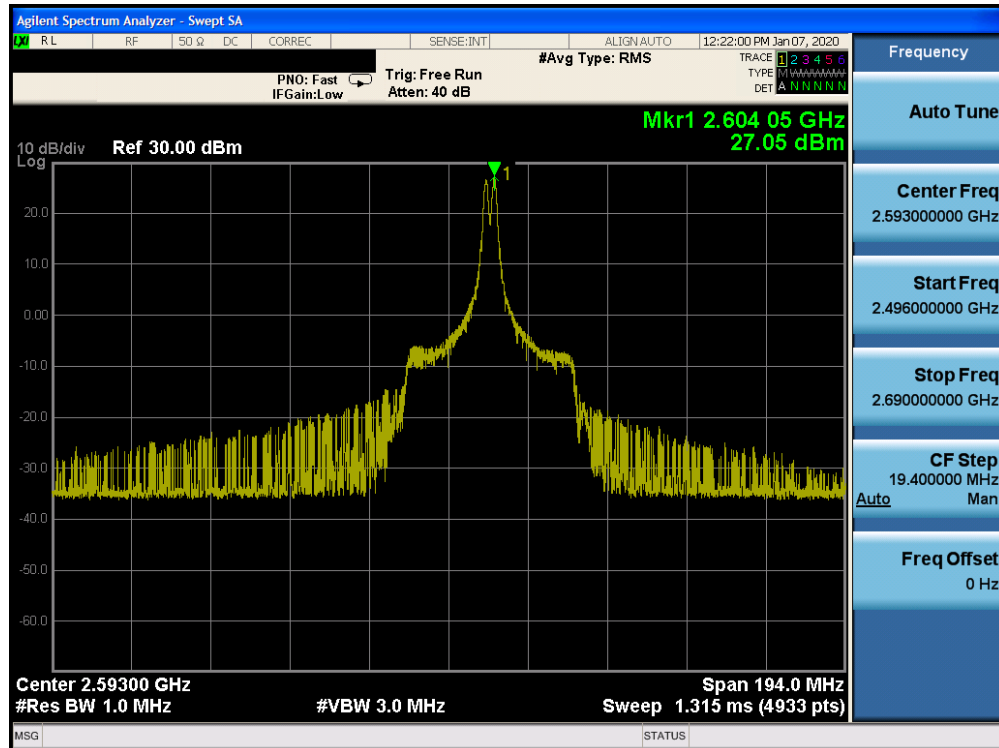


Plot 7-441. Upper ACP Plot (Band 7 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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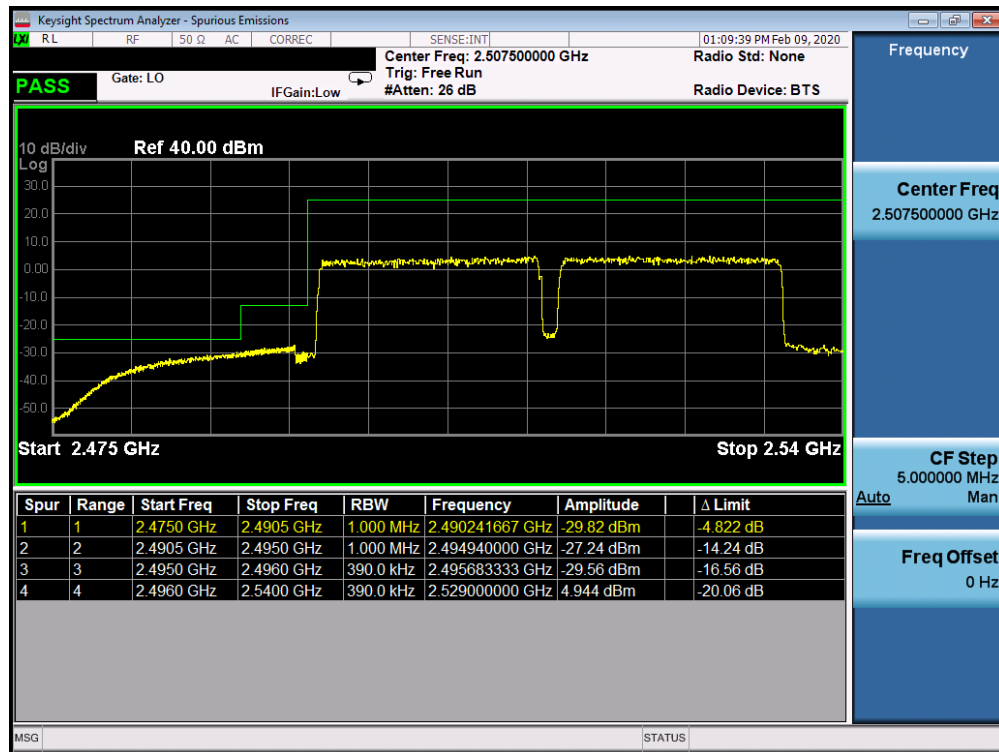


Plot 7-442. Conducted Spurious Plot (41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

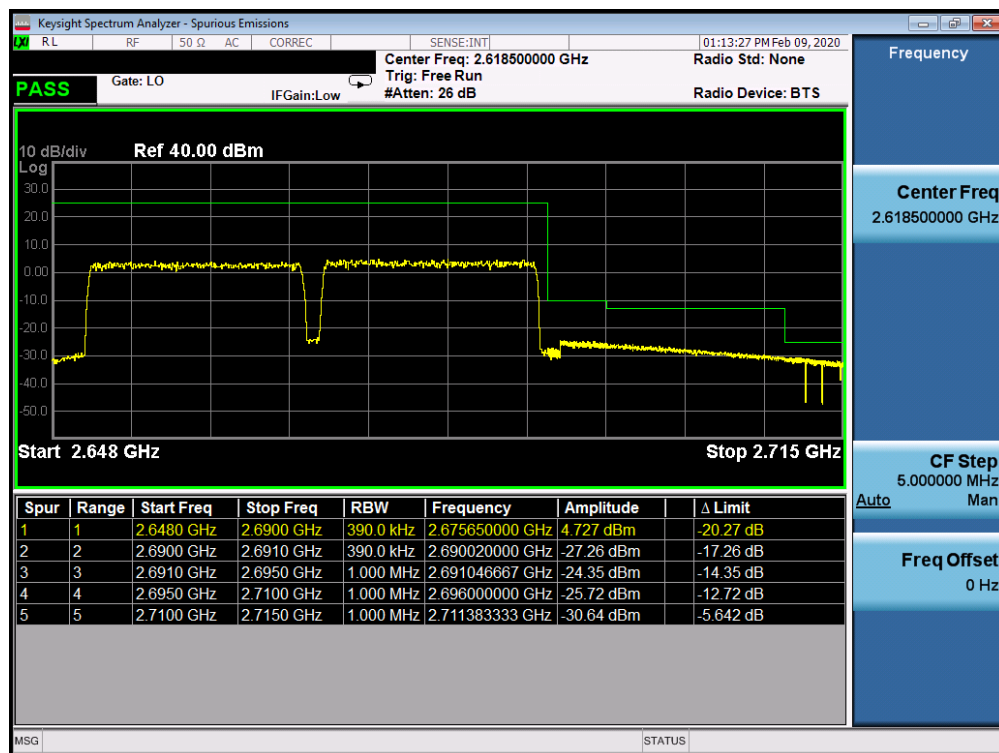


Plot 7-443. Conducted Spurious Plot (41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-446. Lower ACP Plot (41 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)



Plot 7-447. Upper ACP Plot (41 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.8 Radiated Power (ERP/EIRP)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as 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

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 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 7-7. ERP/EIRP Measurement Setup

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Test Notes

- 1) 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.
- 2) This unit was tested with its standard battery.
- 3) The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
- 4) The Ant. Gains (GT) are listed in dBi.
- 5) Refer to Table 2-3 Section 2.3 of this test report for correlation between Antennas and Ports.

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7.8.1 Port-A Radiated Power (ERP/EIRP)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
665.50	5	QPSK	1 / 0	25.70	-1.20	22.35	0.172	34.77	-12.42
680.50	5	QPSK	1 / 24	25.70	-1.20	22.35	0.172	34.77	-12.42
695.50	5	QPSK	1 / 24	25.46	-1.20	22.11	0.163	34.77	-12.66
665.50	5	16-QAM	1 / 0	24.85	-1.20	21.50	0.141	34.77	-13.27
665.50	5	64-QAM	1 / 0	24.01	-1.20	20.66	0.116	34.77	-14.11
668.00	10	QPSK	1 / 0	25.69	-1.20	22.34	0.171	34.77	-12.43
680.50	10	QPSK	1 / 49	25.60	-1.20	22.25	0.168	34.77	-12.52
693.00	10	QPSK	1 / 0	25.67	-1.20	22.32	0.171	34.77	-12.45
668.00	10	16-QAM	1 / 0	25.01	-1.20	21.66	0.147	34.77	-13.11
668.00	10	64-QAM	1 / 0	23.95	-1.20	20.60	0.115	34.77	-14.17
670.50	15	QPSK	1 / 0	25.62	-1.20	22.27	0.169	34.77	-12.50
680.50	15	QPSK	1 / 0	25.54	-1.20	22.19	0.166	34.77	-12.58
690.50	15	QPSK	1 / 0	25.54	-1.20	22.19	0.166	34.77	-12.58
670.50	15	16-QAM	1 / 0	24.85	-1.20	21.50	0.141	34.77	-13.27
670.50	15	64-QAM	1 / 0	23.84	-1.20	20.49	0.112	34.77	-14.28
673.00	20	QPSK	1 / 0	25.64	-1.20	22.29	0.169	34.77	-12.48
680.50	20	QPSK	1 / 99	25.67	-1.20	22.32	0.171	34.77	-12.45
688.00	20	QPSK	1 / 0	25.43	-1.20	22.08	0.161	34.77	-12.69
680.50	20	16-QAM	1 / 99	24.91	-1.20	21.56	0.143	34.77	-13.21
680.50	20	64-QAM	1 / 99	23.91	-1.20	20.56	0.114	34.77	-14.21

Table 7-36. ERP Data (Band 71)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
699.70	1.4	QPSK	1 / 0	25.45	-1.20	22.10	0.162	34.77	-12.67	24.25	0.266	36.99	-12.74
707.50	1.4	QPSK	1 / 5	25.64	-1.20	22.29	0.169	34.77	-12.48	24.44	0.278	36.99	-12.55
715.30	1.4	QPSK	1 / 5	25.70	-1.20	22.35	0.172	34.77	-12.42	24.50	0.282	36.99	-12.49
715.30	1.4	16-QAM	1 / 0	24.89	-1.20	21.54	0.143	34.77	-13.23	23.69	0.234	36.99	-13.30
715.30	1.4	64-QAM	1 / 0	23.89	-1.20	20.54	0.113	34.77	-14.23	22.69	0.186	36.99	-14.30
700.50	3	QPSK	1 / 14	25.55	-1.20	22.20	0.166	34.77	-12.57	24.35	0.272	36.99	-12.64
707.50	3	QPSK	1 / 0	25.59	-1.20	22.24	0.167	34.77	-12.53	24.39	0.275	36.99	-12.60
714.50	3	QPSK	1 / 14	25.57	-1.20	22.22	0.167	34.77	-12.55	24.37	0.274	36.99	-12.62
707.50	3	16-QAM	1 / 0	24.95	-1.20	21.60	0.145	34.77	-13.17	23.75	0.237	36.99	-13.24
707.50	3	64-QAM	1 / 0	23.81	-1.20	20.46	0.111	34.77	-14.31	22.61	0.182	36.99	-14.38
701.50	5	QPSK	1 / 24	25.50	-1.20	22.15	0.164	34.77	-12.62	24.30	0.269	36.99	-12.69
707.50	5	QPSK	1 / 0	25.51	-1.20	22.16	0.164	34.77	-12.61	24.31	0.270	36.99	-12.68
713.50	5	QPSK	1 / 24	25.61	-1.20	22.26	0.168	34.77	-12.51	24.41	0.276	36.99	-12.58
713.50	5	16-QAM	1 / 24	24.63	-1.20	21.28	0.134	34.77	-13.49	23.43	0.220	36.99	-13.56
713.50	5	64-QAM	1 / 24	24.00	-1.20	20.65	0.116	34.77	-14.12	22.80	0.191	36.99	-14.19
704.00	10	QPSK	1 / 49	25.49	-1.20	22.14	0.164	34.77	-12.63	24.29	0.269	36.99	-12.70
707.50	10	QPSK	1 / 0	25.64	-1.20	22.29	0.169	34.77	-12.48	24.44	0.278	36.99	-12.55
711.00	10	QPSK	1 / 49	25.61	-1.20	22.26	0.168	34.77	-12.51	24.41	0.276	36.99	-12.58
707.50	10	16-QAM	1 / 0	24.88	-1.20	21.53	0.142	34.77	-13.24	23.68	0.233	36.99	-13.31
707.50	10	64-QAM	1 / 0	23.74	-1.20	20.39	0.109	34.77	-14.38	22.54	0.179	36.99	-14.45

Table 7-37. ERP Data (Band 12)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
706.50	5	QPSK	1 / 0	25.54	-1.20	22.19	0.166	34.77	-12.58	24.34	0.272	36.99	-12.65
710.00	5	QPSK	1 / 0	25.53	-1.20	22.18	0.165	34.77	-12.59	24.33	0.271	36.99	-12.66
713.50	5	QPSK	1 / 24	25.64	-1.20	22.29	0.169	34.77	-12.48	24.44	0.278	36.99	-12.55
713.50	5	16-QAM	1 / 24	24.66	-1.20	21.31	0.135	34.77	-13.46	23.46	0.222	36.99	-13.53
713.50	5	64-QAM	1 / 24	23.81	-1.20	20.46	0.111	34.77	-14.31	22.61	0.182	36.99	-14.38
709.00	10	QPSK	1 / 0	25.61	-1.20	22.26	0.168	34.77	-12.51	24.41	0.276	36.99	-12.58
710.00	10	QPSK	1 / 49	25.58	-1.20	22.23	0.167	34.77	-12.54	24.38	0.274	36.99	-12.61
711.00	10	QPSK	1 / 49	25.70	-1.20	22.35	0.172	34.77	-12.42	24.50	0.282	36.99	-12.49
711.00	10	16-QAM	1 / 0	24.98	-1.20	21.63	0.146	34.77	-13.14	23.78	0.239	36.99	-13.21
711.00	10	64-QAM	1 / 49	23.90	-1.20	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29

Table 7-38. ERP Data (Band 17)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)										Approved by: Quality Manager	
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
779.50	5	QPSK	1 / 0	25.70	-1.20	22.35	0.172	34.77	-12.42	24.50	0.282	36.99	-12.49
782.00	5	QPSK	1 / 12	25.24	-1.20	21.89	0.155	34.77	-12.88	24.04	0.254	36.99	-12.95
784.50	5	QPSK	1 / 0	25.24	-1.20	21.89	0.155	34.77	-12.88	24.04	0.254	36.99	-12.95
779.50	5	16-QAM	1 / 0	24.91	-1.20	21.56	0.143	34.77	-13.21	23.71	0.235	36.99	-13.28
779.50	5	64-QAM	1 / 0	23.87	-1.20	20.52	0.113	34.77	-14.25	22.67	0.185	36.99	-14.32
782.00	10	QPSK	1 / 0	25.70	-1.20	22.35	0.172	34.77	-12.42	24.50	0.282	36.99	-12.49
782.00	10	16-QAM	1 / 0	24.86	-1.20	21.51	0.142	34.77	-13.26	23.66	0.232	36.99	-13.33
782.00	10	64-QAM	1 / 0	23.86	-1.20	20.51	0.112	34.77	-14.26	22.66	0.185	36.99	-14.33

Table 7-39. ERP Data (Band 13)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	1 / 5	25.57	-0.70	22.72	0.187	38.45	-15.73	24.87	0.307	40.61	-15.74
836.50	1.4	QPSK	1 / 0	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
848.30	1.4	QPSK	1 / 5	25.56	-0.70	22.71	0.187	38.45	-15.74	24.86	0.306	40.61	-15.75
836.50	1.4	16-QAM	1 / 2	24.94	-0.70	22.09	0.162	38.45	-16.36	24.24	0.265	40.61	-16.37
836.50	1.4	64-QAM	1 / 0	24.25	-0.70	21.40	0.138	38.45	-17.05	23.55	0.226	40.61	-17.06
825.50	3	QPSK	1 / 7	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
836.50	3	QPSK	1 / 0	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
847.50	3	QPSK	1 / 7	25.66	-0.70	22.81	0.191	38.45	-15.64	24.96	0.313	40.61	-15.65
825.50	3	16-QAM	1 / 7	24.89	-0.70	22.04	0.160	38.45	-16.41	24.19	0.262	40.61	-16.42
825.50	3	64-QAM	1 / 14	24.02	-0.70	21.17	0.131	38.45	-17.28	23.32	0.215	40.61	-17.29
826.50	5	QPSK	1 / 24	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
836.50	5	QPSK	1 / 0	25.44	-0.70	22.59	0.182	38.45	-15.86	24.74	0.298	40.61	-15.87
846.50	5	QPSK	1 / 0	25.50	-0.70	22.65	0.184	38.45	-15.80	24.80	0.302	40.61	-15.81
826.50	5	16-QAM	1 / 12	24.73	-0.70	21.88	0.154	38.45	-16.57	24.03	0.253	40.61	-16.58
826.50	5	64-QAM	1 / 24	24.02	-0.70	21.17	0.131	38.45	-17.28	23.32	0.215	40.61	-17.29
829.00	10	QPSK	1 / 25	25.67	-0.70	22.82	0.191	38.45	-15.63	24.97	0.314	40.61	-15.64
836.50	10	QPSK	1 / 0	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
844.00	10	QPSK	1 / 25	25.69	-0.70	22.84	0.192	38.45	-15.61	24.99	0.316	40.61	-15.62
836.50	10	16-QAM	1 / 0	24.72	-0.70	21.87	0.154	38.45	-16.58	24.02	0.252	40.61	-16.59
836.50	10	64-QAM	1 / 0	24.25	-0.70	21.40	0.138	38.45	-17.05	23.55	0.226	40.61	-17.06

Table 7-40. ERP Data (Band 5)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	1 / 5	25.47	-0.70	22.62	0.183	38.45	-15.83	24.77	0.300	40.61	-15.84
836.50	1.4	QPSK	1 / 5	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
848.30	1.4	QPSK	1 / 0	25.61	-0.70	22.76	0.189	38.45	-15.69	24.91	0.310	40.61	-15.70
836.50	1.4	16-QAM	1 / 0	24.85	-0.70	22.00	0.158	38.45	-16.45	24.15	0.260	40.61	-16.46
836.50	1.4	64-QAM	1 / 2	24.11	-0.70	21.26	0.134	38.45	-17.19	23.41	0.219	40.61	-17.20
825.50	3	QPSK	1 / 7	25.49	-0.70	22.64	0.184	38.45	-15.81	24.79	0.301	40.61	-15.82
836.50	3	QPSK	1 / 7	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
847.50	3	QPSK	1 / 0	25.49	-0.70	22.64	0.184	38.45	-15.81	24.79	0.301	40.61	-15.82
836.50	3	16-QAM	1 / 0	24.84	-0.70	21.99	0.158	38.45	-16.46	24.14	0.259	40.61	-16.47
836.50	3	64-QAM	1 / 7	24.14	-0.70	21.29	0.135	38.45	-17.16	23.44	0.221	40.61	-17.17
826.50	5	QPSK	1 / 24	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
836.50	5	QPSK	1 / 0	25.62	-0.70	22.77	0.189	38.45	-15.68	24.92	0.310	40.61	-15.69
846.50	5	QPSK	1 / 0	25.50	-0.70	22.65	0.184	38.45	-15.80	24.80	0.302	40.61	-15.81
826.50	5	16-QAM	1 / 12	24.65	-0.70	21.80	0.151	38.45	-16.65	23.95	0.248	40.61	-16.66
826.50	5	64-QAM	1 / 24	24.03	-0.70	21.18	0.131	38.45	-17.27	23.33	0.215	40.61	-17.28
829.00	10	QPSK	1 / 25	25.68	-0.70	22.83	0.192	38.45	-15.62	24.98	0.315	40.61	-15.63
836.50	10	QPSK	1 / 25	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
844.00	10	QPSK	1 / 25	25.70	-0.70	22.85	0.193	38.45	-15.60	25.00	0.316	40.61	-15.61
836.50	10	16-QAM	1 / 25	24.72	-0.70	21.87	0.154	38.45	-16.58	24.02	0.252	40.61	-16.59
836.50	10	64-QAM	1 / 25	24.03	-0.70	21.18	0.131	38.45	-17.27	23.33	0.215	40.61	-17.28

Table 7-41. ERP Data (Band 26)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 271 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	25.58	-2.20	23.38	0.218	30.00	-6.62
1732.50	1.4	QPSK	1 / 0	25.35	-2.20	23.15	0.207	30.00	-6.85
1754.30	1.4	QPSK	1 / 0	25.70	-2.20	23.50	0.224	30.00	-6.50
1754.30	1.4	16-QAM	1 / 5	24.79	-2.20	22.59	0.182	30.00	-7.41
1754.30	1.4	64-QAM	1 / 5	23.92	-2.20	21.72	0.149	30.00	-8.28
1711.50	3	QPSK	1 / 7	25.70	-2.20	23.50	0.224	30.00	-6.50
1732.50	3	QPSK	1 / 14	25.48	-2.20	23.28	0.213	30.00	-6.72
1753.50	3	QPSK	1 / 0	25.70	-2.20	23.50	0.224	30.00	-6.50
1711.50	3	16-QAM	1 / 7	24.77	-2.20	22.57	0.181	30.00	-7.43
1711.50	3	64-QAM	1 / 0	23.87	-2.20	21.67	0.147	30.00	-8.33
1712.50	5	QPSK	1 / 12	25.70	-2.20	23.50	0.224	30.00	-6.50
1732.50	5	QPSK	1 / 24	25.43	-2.20	23.23	0.210	30.00	-6.77
1752.50	5	QPSK	1 / 0	25.57	-2.20	23.37	0.217	30.00	-6.63
1712.50	5	16-QAM	1 / 24	24.69	-2.20	22.49	0.177	30.00	-7.51
1712.50	5	64-QAM	1 / 24	23.92	-2.20	21.72	0.149	30.00	-8.28
1715.00	10	QPSK	1 / 0	25.70	-2.20	23.50	0.224	30.00	-6.50
1732.50	10	QPSK	1 / 49	25.65	-2.20	23.45	0.221	30.00	-6.55
1750.00	10	QPSK	1 / 0	25.68	-2.20	23.48	0.223	30.00	-6.52
1715.00	10	16-QAM	1 / 0	24.80	-2.20	22.60	0.182	30.00	-7.40
1715.00	10	64-QAM	1 / 0	23.87	-2.20	21.67	0.147	30.00	-8.33
1717.50	15	QPSK	1 / 0	25.65	-2.20	23.45	0.221	30.00	-6.55
1732.50	15	QPSK	1 / 74	25.70	-2.20	23.50	0.224	30.00	-6.50
1747.50	15	QPSK	1 / 36	25.69	-2.20	23.49	0.223	30.00	-6.51
1732.50	15	16-QAM	1 / 74	24.76	-2.20	22.56	0.180	30.00	-7.44
1732.50	15	64-QAM	1 / 74	23.85	-2.20	21.65	0.146	30.00	-8.35
1720.00	20	QPSK	1 / 0	25.39	-2.20	23.19	0.208	30.00	-6.81
1732.50	20	QPSK	1 / 99	25.61	-2.20	23.41	0.219	30.00	-6.59
1745.00	20	QPSK	1 / 50	25.70	-2.20	23.50	0.224	30.00	-6.50
1745.00	20	16-QAM	1 / 50	24.69	-2.20	22.49	0.177	30.00	-7.51
1745.00	20	64-QAM	1 / 50	23.89	-2.20	21.69	0.148	30.00	-8.31

Table 7-42. EIRP Data (Band 4)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 272 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	25.46	-2.20	23.26	0.212	30.00	-6.74
1745.00	1.4	QPSK	1 / 0	25.60	-2.20	23.40	0.219	30.00	-6.60
1779.30	1.4	QPSK	1 / 0	25.70	-2.20	23.50	0.224	30.00	-6.50
1779.30	1.4	16-QAM	1 / 0	24.77	-2.20	22.57	0.181	30.00	-7.43
1779.30	1.4	64-QAM	1 / 0	23.98	-2.20	21.78	0.151	30.00	-8.22
1711.50	3	QPSK	1 / 7	25.66	-2.20	23.46	0.222	30.00	-6.54
1745.00	3	QPSK	1 / 0	25.70	-2.20	23.50	0.224	30.00	-6.50
1778.50	3	QPSK	1 / 0	25.70	-2.20	23.50	0.224	30.00	-6.50
1745.00	3	16-QAM	1 / 7	24.78	-2.20	22.58	0.181	30.00	-7.42
1745.00	3	64-QAM	1 / 7	23.93	-2.20	21.73	0.149	30.00	-8.27
1712.50	5	QPSK	1 / 0	25.70	-2.20	23.50	0.224	30.00	-6.50
1745.00	5	QPSK	1 / 0	25.68	-2.20	23.48	0.223	30.00	-6.52
1777.50	5	QPSK	1 / 24	25.62	-2.20	23.42	0.220	30.00	-6.58
1712.50	5	16-QAM	1 / 12	24.85	-2.20	22.65	0.184	30.00	-7.35
1712.50	5	64-QAM	1 / 0	24.06	-2.20	21.86	0.153	30.00	-8.14
1715.00	10	QPSK	1 / 0	25.67	-2.20	23.47	0.222	30.00	-6.53
1745.00	10	QPSK	1 / 0	25.66	-2.20	23.46	0.222	30.00	-6.54
1775.00	10	QPSK	1 / 49	25.70	-2.20	23.50	0.224	30.00	-6.50
1775.00	10	16-QAM	1 / 25	24.90	-2.20	22.70	0.186	30.00	-7.30
1775.00	10	64-QAM	1 / 49	23.97	-2.20	21.77	0.150	30.00	-8.23
1717.50	15	QPSK	1 / 0	25.52	-2.20	23.32	0.215	30.00	-6.68
1745.00	15	QPSK	1 / 36	25.70	-2.20	23.50	0.224	30.00	-6.50
1772.50	15	QPSK	1 / 36	25.59	-2.20	23.39	0.218	30.00	-6.61
1745.00	15	16-QAM	1 / 36	24.87	-2.20	22.67	0.185	30.00	-7.33
1745.00	15	64-QAM	1 / 36	24.08	-2.20	21.88	0.154	30.00	-8.12
1720.00	20	QPSK	1 / 0	25.36	-2.20	23.16	0.207	30.00	-6.84
1745.00	20	QPSK	1 / 50	25.64	-2.20	23.44	0.221	30.00	-6.56
1770.00	20	QPSK	1 / 99	25.70	-2.20	23.50	0.224	30.00	-6.50
1770.00	20	16-QAM	1 / 99	24.78	-2.20	22.58	0.181	30.00	-7.42
1770.00	20	64-QAM	1 / 99	23.92	-2.20	21.72	0.149	30.00	-8.28

Table 7-43. EIRP Data (Band 66)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 273 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	25.33	-2.20	23.13	0.206	33.01	-9.88
1880.00	1.4	QPSK	1 / 5	25.58	-2.20	23.38	0.218	33.01	-9.63
1909.30	1.4	QPSK	1 / 0	25.70	-2.20	23.50	0.224	33.01	-9.51
1909.30	1.4	16-QAM	1 / 0	24.76	-2.20	22.56	0.180	33.01	-10.45
1909.30	1.4	64-QAM	1 / 0	24.06	-2.20	21.86	0.153	33.01	-11.15
1851.50	3	QPSK	1 / 7	25.43	-2.20	23.23	0.210	33.01	-9.78
1880.00	3	QPSK	1 / 7	25.70	-2.20	23.50	0.224	33.01	-9.51
1908.50	3	QPSK	1 / 7	25.60	-2.20	23.40	0.219	33.01	-9.61
1880.00	3	16-QAM	1 / 7	24.86	-2.20	22.66	0.185	33.01	-10.35
1880.00	3	64-QAM	1 / 14	24.03	-2.20	21.83	0.152	33.01	-11.18
1852.50	5	QPSK	1 / 24	25.70	-2.20	23.50	0.224	33.01	-9.51
1880.00	5	QPSK	1 / 12	25.69	-2.20	23.49	0.223	33.01	-9.52
1907.50	5	QPSK	1 / 24	25.59	-2.20	23.39	0.218	33.01	-9.62
1852.50	5	16-QAM	1 / 24	24.93	-2.20	22.73	0.187	33.01	-10.28
1852.50	5	64-QAM	1 / 24	24.12	-2.20	21.92	0.156	33.01	-11.09
1855.00	10	QPSK	1 / 49	25.54	-2.20	23.34	0.216	33.01	-9.67
1880.00	10	QPSK	1 / 25	25.70	-2.20	23.50	0.224	33.01	-9.51
1905.00	10	QPSK	1 / 49	25.62	-2.20	23.42	0.220	33.01	-9.59
1880.00	10	16-QAM	1 / 25	24.85	-2.20	22.65	0.184	33.01	-10.36
1880.00	10	64-QAM	1 / 0	23.95	-2.20	21.75	0.150	33.01	-11.26
1857.50	15	QPSK	1 / 36	25.67	-2.20	23.47	0.222	33.01	-9.54
1880.00	15	QPSK	1 / 36	25.70	-2.20	23.50	0.224	33.01	-9.51
1902.50	15	QPSK	1 / 74	25.57	-2.20	23.37	0.217	33.01	-9.64
1880.00	15	16-QAM	1 / 36	24.98	-2.20	22.78	0.190	33.01	-10.23
1880.00	15	64-QAM	1 / 36	24.13	-2.20	21.93	0.156	33.01	-11.08
1860.00	20	QPSK	1 / 50	25.44	-2.20	23.24	0.211	33.01	-9.77
1880.00	20	QPSK	1 / 50	25.65	-2.20	23.45	0.221	33.01	-9.56
1900.00	20	QPSK	1 / 99	25.70	-2.20	23.50	0.224	33.01	-9.51
1900.00	20	16-QAM	1 / 99	24.81	-2.20	22.61	0.182	33.01	-10.40
1900.00	20	64-QAM	1 / 99	23.98	-2.20	21.78	0.151	33.01	-11.23

Table 7-44. EIRP Data (Band 2)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 274 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	25.44	-2.20	23.24	0.211	33.01	-9.77
1882.50	1.4	QPSK	1 / 0	25.66	-2.20	23.46	0.222	33.01	-9.55
1914.30	1.4	QPSK	1 / 5	25.70	-2.20	23.50	0.224	33.01	-9.51
1914.30	1.4	16-QAM	1 / 0	25.03	-2.20	22.83	0.192	33.01	-10.18
1914.30	1.4	64-QAM	1 / 5	23.94	-2.20	21.74	0.149	33.01	-11.27
1851.50	3	QPSK	1 / 7	25.48	-2.20	23.28	0.213	33.01	-9.73
1882.50	3	QPSK	1 / 0	25.70	-2.20	23.50	0.224	33.01	-9.51
1913.50	3	QPSK	1 / 7	25.50	-2.20	23.30	0.214	33.01	-9.71
1882.50	3	16-QAM	1 / 7	24.91	-2.20	22.71	0.187	33.01	-10.30
1882.50	3	64-QAM	1 / 7	23.87	-2.20	21.67	0.147	33.01	-11.34
1852.50	5	QPSK	1 / 24	25.63	-2.20	23.43	0.220	33.01	-9.58
1882.50	5	QPSK	1 / 0	25.70	-2.20	23.50	0.224	33.01	-9.51
1912.50	5	QPSK	1 / 0	25.52	-2.20	23.32	0.215	33.01	-9.69
1882.50	5	16-QAM	1 / 24	24.87	-2.20	22.67	0.185	33.01	-10.34
1882.50	5	64-QAM	1 / 12	23.99	-2.20	21.79	0.151	33.01	-11.22
1855.00	10	QPSK	1 / 49	25.60	-2.20	23.40	0.219	33.01	-9.61
1882.50	10	QPSK	1 / 0	25.70	-2.20	23.50	0.224	33.01	-9.51
1910.00	10	QPSK	1 / 25	25.60	-2.20	23.40	0.219	33.01	-9.61
1882.50	10	16-QAM	1 / 0	24.94	-2.20	22.74	0.188	33.01	-10.27
1882.50	10	64-QAM	1 / 25	24.00	-2.20	21.80	0.151	33.01	-11.21
1857.50	15	QPSK	1 / 36	25.58	-2.20	23.38	0.218	33.01	-9.63
1882.50	15	QPSK	1 / 36	25.70	-2.20	23.50	0.224	33.01	-9.51
1907.50	15	QPSK	1 / 36	25.59	-2.20	23.39	0.218	33.01	-9.62
1882.50	15	16-QAM	1 / 36	24.93	-2.20	22.73	0.187	33.01	-10.28
1882.50	15	64-QAM	1 / 0	23.98	-2.20	21.78	0.151	33.01	-11.23
1860.00	20	QPSK	1 / 50	25.44	-2.20	23.24	0.211	33.01	-9.77
1882.50	20	QPSK	1 / 50	25.65	-2.20	23.45	0.221	33.01	-9.56
1905.00	20	QPSK	1 / 50	25.70	-2.20	23.50	0.224	33.01	-9.51
1905.00	20	16-QAM	1 / 50	24.80	-2.20	22.60	0.182	33.01	-10.41
1905.00	20	64-QAM	1 / 99	23.87	-2.20	21.67	0.147	33.01	-11.34

Table 7-45. EIRP Data (Band 25)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 275 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 24	23.99	-1.00	22.99	0.199	23.98	-0.99
2312.50	5	QPSK	1 / 24	23.85	-1.00	22.85	0.193	23.98	-1.13
2307.50	5	16-QAM	1 / 24	23.10	-1.00	22.10	0.162	23.98	-1.88
2307.50	5	64-QAM	1 / 12	22.14	-1.00	21.14	0.130	23.98	-2.84
2310.00	10	QPSK	1 / 0	23.99	-1.00	22.99	0.199	23.98	-0.99
2310.00	10	16-QAM	1 / 0	23.03	-1.00	22.03	0.160	23.98	-1.95
2310.00	10	64-QAM	1 / 0	22.16	-1.00	21.16	0.131	23.98	-2.82

Table 7-46. EIRP Data (Band 30)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 276 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 24	25.70	-0.10	25.60	0.363	33.01	-7.41
2535.00	5	QPSK	1 / 12	25.67	-0.10	25.57	0.361	33.01	-7.44
2567.50	5	QPSK	1 / 0	25.31	-0.10	25.21	0.332	33.01	-7.80
2502.50	5	16-QAM	1 / 0	24.74	-0.10	24.64	0.291	33.01	-8.37
2502.50	5	64-QAM	1 / 0	23.84	-0.10	23.74	0.237	33.01	-9.27
2505.00	10	QPSK	1 / 49	25.60	-0.10	25.50	0.355	33.01	-7.51
2535.00	10	QPSK	1 / 25	25.70	-0.10	25.60	0.363	33.01	-7.41
2565.00	10	QPSK	1 / 25	25.45	-0.10	25.35	0.343	33.01	-7.66
2535.00	10	16-QAM	1 / 25	24.81	-0.10	24.71	0.296	33.01	-8.30
2535.00	10	64-QAM	1 / 49	23.91	-0.10	23.81	0.240	33.01	-9.20
2507.50	15	QPSK	1 / 36	25.50	-0.10	25.40	0.347	33.01	-7.61
2535.00	15	QPSK	1 / 36	25.70	-0.10	25.60	0.363	33.01	-7.41
2562.50	15	QPSK	1 / 74	25.25	-0.10	25.15	0.327	33.01	-7.86
2535.00	15	16-QAM	1 / 0	24.84	-0.10	24.74	0.298	33.01	-8.27
2535.00	15	64-QAM	1 / 36	23.92	-0.10	23.82	0.241	33.01	-9.19
2510.00	20	QPSK	1 / 99	25.37	-0.10	25.27	0.337	33.01	-7.74
2535.00	20	QPSK	1 / 0	25.70	-0.10	25.60	0.363	33.01	-7.41
2560.00	20	QPSK	1 / 99	25.55	-0.10	25.45	0.351	33.01	-7.56
2535.00	20	16-QAM	1 / 0	25.01	-0.10	24.91	0.310	33.01	-8.10
2535.00	20	64-QAM	1 / 0	24.01	-0.10	23.91	0.246	33.01	-9.10

Table 7-47. EIRP Data (Band 7)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 277 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 0	27.69	-0.10	27.59	0.574	33.01	-5.42
2593.00	5	QPSK	1 / 0	28.10	-0.10	28.00	0.631	33.01	-5.01
2687.50	5	QPSK	1 / 0	28.43	-0.10	28.33	0.681	33.01	-4.68
2687.50	5	16-QAM	1 / 0	27.70	-0.10	27.60	0.575	33.01	-5.41
2687.50	5	64-QAM	1 / 0	26.68	-0.10	26.58	0.455	33.01	-6.43
2501.00	10	QPSK	1 / 49	27.62	-0.10	27.52	0.565	33.01	-5.49
2593.00	10	QPSK	1 / 0	28.54	-0.10	28.44	0.698	33.01	-4.57
2685.00	10	QPSK	1 / 25	28.36	-0.10	28.26	0.670	33.01	-4.75
2593.00	10	16-QAM	1 / 0	27.86	-0.10	27.76	0.597	33.01	-5.25
2593.00	10	64-QAM	1 / 49	26.84	-0.10	26.74	0.472	33.01	-6.27
2503.50	15	QPSK	1 / 74	27.64	-0.10	27.54	0.568	33.01	-5.47
2593.00	15	QPSK	1 / 36	28.68	-0.10	28.58	0.721	33.01	-4.43
2682.50	15	QPSK	1 / 0	28.37	-0.10	28.27	0.671	33.01	-4.74
2593.00	15	16-QAM	1 / 36	27.77	-0.10	27.67	0.585	33.01	-5.34
2593.00	15	64-QAM	1 / 36	26.78	-0.10	26.68	0.466	33.01	-6.33
2506.00	20	QPSK	1 / 99	27.70	-0.10	27.60	0.575	33.01	-5.41
2593.00	20	QPSK	1 / 50	28.68	-0.10	28.58	0.721	33.01	-4.43
2680.00	20	QPSK	1 / 0	28.29	-0.10	28.19	0.659	33.01	-4.82
2593.00	20	16-QAM	1 / 50	27.80	-0.10	27.70	0.589	33.01	-5.31
2593.00	20	64-QAM	1 / 50	26.82	-0.10	26.72	0.470	33.01	-6.29

Table 7-48. EIRP Data (Band 41 PC2)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 278 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 24	25.67	-0.10	25.57	0.361	33.01	-7.44
2593.00	5	QPSK	1 / 24	25.63	-0.10	25.53	0.357	33.01	-7.48
2687.50	5	QPSK	1 / 0	25.32	-0.10	25.22	0.333	33.01	-7.79
2687.50	5	16-QAM	1 / 0	24.52	-0.10	24.42	0.277	33.01	-8.59
2687.50	5	64-QAM	1 / 24	23.42	-0.10	23.32	0.215	33.01	-9.69
2501.00	10	QPSK	1 / 49	25.70	-0.10	25.60	0.363	33.01	-7.41
2593.00	10	QPSK	1 / 49	25.70	-0.10	25.60	0.363	33.01	-7.41
2685.00	10	QPSK	1 / 25	25.32	-0.10	25.22	0.333	33.01	-7.79
2593.00	10	16-QAM	1 / 0	24.62	-0.10	24.52	0.283	33.01	-8.49
2593.00	10	64-QAM	1 / 49	23.72	-0.10	23.62	0.230	33.01	-9.39
2503.50	15	QPSK	1 / 36	25.48	-0.10	25.38	0.345	33.01	-7.63
2593.00	15	QPSK	1 / 36	25.53	-0.10	25.43	0.349	33.01	-7.58
2682.50	15	QPSK	1 / 0	25.41	-0.10	25.31	0.340	33.01	-7.70
2593.00	15	16-QAM	1 / 0	24.53	-0.10	24.43	0.277	33.01	-8.58
2593.00	15	64-QAM	1 / 36	23.45	-0.10	23.35	0.216	33.01	-9.66
2506.00	20	QPSK	1 / 50	25.58	-0.10	25.48	0.353	33.01	-7.53
2593.00	20	QPSK	1 / 99	25.53	-0.10	25.43	0.349	33.01	-7.58
2680.00	20	QPSK	1 / 0	25.55	-0.10	25.45	0.351	33.01	-7.56
2593.00	20	16-QAM	1 / 50	24.67	-0.10	24.57	0.286	33.01	-8.44
2593.00	20	64-QAM	1 / 99	23.61	-0.10	23.51	0.224	33.01	-9.50

Table 7-49. EIRP Data (Band 41 PC3)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 279 of 421

7.8.2 Port-B Radiated Power (ERP/EIRP)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
665.50	5	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32
680.50	5	QPSK	1 / 0	24.39	-1.90	20.34	0.108	34.77	-14.43
695.50	5	QPSK	1 / 24	24.25	-1.90	20.20	0.105	34.77	-14.57
665.50	5	16-QAM	1 / 24	23.74	-1.90	19.69	0.093	34.77	-15.08
665.50	5	64-QAM	1 / 12	22.87	-1.90	18.82	0.076	34.77	-15.95
668.00	10	QPSK	1 / 0	24.43	-1.90	20.38	0.109	34.77	-14.39
680.50	10	QPSK	1 / 0	24.43	-1.90	20.38	0.109	34.77	-14.39
693.00	10	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32
693.00	10	16-QAM	1 / 49	23.67	-1.90	19.62	0.092	34.77	-15.15
693.00	10	64-QAM	1 / 0	22.90	-1.90	18.85	0.077	34.77	-15.92
670.50	15	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32
680.50	15	QPSK	1 / 0	24.30	-1.90	20.25	0.106	34.77	-14.52
690.50	15	QPSK	1 / 36	24.25	-1.90	20.20	0.105	34.77	-14.57
670.50	15	16-QAM	1 / 0	23.75	-1.90	19.70	0.093	34.77	-15.07
670.50	15	64-QAM	1 / 0	22.90	-1.90	18.85	0.077	34.77	-15.92
673.00	20	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32
680.50	20	QPSK	1 / 99	24.42	-1.90	20.37	0.109	34.77	-14.40
688.00	20	QPSK	1 / 50	24.28	-1.90	20.23	0.105	34.77	-14.54
673.00	20	16-QAM	1 / 0	23.65	-1.90	19.60	0.091	34.77	-15.17
673.00	20	64-QAM	1 / 0	22.71	-1.90	18.66	0.073	34.77	-16.11

Table 7-50. ERP Data (Band 71)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
699.70	1.4	QPSK	1 / 5	24.15	-1.90	20.10	0.102	34.77	-14.67	22.25	0.168	36.99	-14.74
707.50	1.4	QPSK	1 / 5	24.28	-1.90	20.23	0.105	34.77	-14.54	22.38	0.173	36.99	-14.61
715.30	1.4	QPSK	1 / 5	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
715.30	1.4	16-QAM	1 / 0	23.66	-1.90	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
715.30	1.4	64-QAM	1 / 0	22.72	-1.90	18.67	0.074	34.77	-16.10	20.82	0.121	36.99	-16.17
700.50	3	QPSK	1 / 7	24.37	-1.90	20.32	0.108	34.77	-14.45	22.47	0.177	36.99	-14.52
707.50	3	QPSK	1 / 7	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
714.50	3	QPSK	1 / 7	24.47	-1.90	20.42	0.110	34.77	-14.35	22.57	0.181	36.99	-14.42
707.50	3	16-QAM	1 / 7	23.75	-1.90	19.70	0.093	34.77	-15.07	21.85	0.153	36.99	-15.14
707.50	3	64-QAM	1 / 7	22.85	-1.90	18.80	0.076	34.77	-15.97	20.95	0.124	36.99	-16.04
701.50	5	QPSK	1 / 24	24.39	-1.90	20.34	0.108	34.77	-14.43	22.49	0.177	36.99	-14.50
707.50	5	QPSK	1 / 12	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
713.50	5	QPSK	1 / 24	24.37	-1.90	20.32	0.108	34.77	-14.45	22.47	0.177	36.99	-14.52
707.50	5	16-QAM	1 / 0	23.72	-1.90	19.67	0.093	34.77	-15.10	21.82	0.152	36.99	-15.17
707.50	5	64-QAM	1 / 0	22.77	-1.90	18.72	0.074	34.77	-16.05	20.87	0.122	36.99	-16.12
704.00	10	QPSK	1 / 49	24.30	-1.90	20.25	0.106	34.77	-14.52	22.40	0.174	36.99	-14.59
707.50	10	QPSK	1 / 0	24.49	-1.90	20.44	0.111	34.77	-14.33	22.59	0.182	36.99	-14.40
711.00	10	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
711.00	10	16-QAM	1 / 0	23.56	-1.90	19.51	0.089	34.77	-15.26	21.66	0.147	36.99	-15.33
711.00	10	64-QAM	1 / 49	22.68	-1.90	18.63	0.073	34.77	-16.14	20.78	0.120	36.99	-16.21

Table 7-51. ERP Data (Band 12)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
706.50	5	QPSK	1 / 12	24.39	-1.90	20.34	0.108	34.77	-14.43	22.49	0.177	36.99	-14.50
710.00	5	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
713.50	5	QPSK	1 / 24	24.34	-1.90	20.29	0.107	34.77	-14.48	22.44	0.175	36.99	-14.55
710.00	5	16-QAM	1 / 0	23.61	-1.90	19.56	0.090	34.77	-15.21	21.71	0.148	36.99	-15.28
710.00	5	64-QAM	1 / 0	22.68	-1.90	18.63	0.073	34.77	-16.14	20.78	0.120	36.99	-16.21
709.00	10	QPSK	1 / 49	24.38	-1.90	20.33	0.108	34.77	-14.44	22.48	0.177	36.99	-14.51
710.00	10	QPSK	1 / 0	24.42	-1.90	20.37	0.109	34.77	-14.40	22.52	0.179	36.99	-14.47
711.00	10	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
711.00	10	16-QAM	1 / 0	23.57	-1.90	19.52	0.090	34.77	-15.25	21.67	0.147	36.99	-15.32
711.00	10	64-QAM	1 / 0	22.55	-1.90	18.50	0.071	34.77	-16.27	20.65	0.116	36.99	-16.34

Table 7-52. ERP Data (Band 17)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)										Approved by: Quality Manager	
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
779.50	5	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
782.00	5	QPSK	1 / 12	24.10	-1.90	20.05	0.101	34.77	-14.72	22.20	0.166	36.99	-14.79
784.50	5	QPSK	1 / 0	23.97	-1.90	19.92	0.098	34.77	-14.85	22.07	0.161	36.99	-14.92
779.50	5	16-QAM	1 / 0	23.59	-1.90	19.54	0.090	34.77	-15.23	21.69	0.148	36.99	-15.30
779.50	5	64-QAM	1 / 0	22.82	-1.90	18.77	0.075	34.77	-16.00	20.92	0.124	36.99	-16.07
782.00	10	QPSK	1 / 0	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
782.00	10	16-QAM	1 / 0	23.70	-1.90	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
782.00	10	64-QAM	1 / 0	22.79	-1.90	18.74	0.075	34.77	-16.03	20.89	0.123	36.99	-16.10

Table 7-53. ERP Data (Band 13)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	1 / 0	24.45	-0.60	21.70	0.148	38.45	-16.75	23.85	0.243	40.61	-16.76
836.50	1.4	QPSK	1 / 0	24.25	-0.60	21.50	0.141	38.45	-16.95	23.65	0.232	40.61	-16.96
848.30	1.4	QPSK	1 / 5	24.50	-0.60	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
848.30	1.4	16-QAM	1 / 5	23.60	-0.60	20.85	0.122	38.45	-17.60	23.00	0.200	40.61	-17.61
848.30	1.4	64-QAM	1 / 5	22.86	-0.60	20.11	0.103	38.45	-18.34	22.26	0.168	40.61	-18.35
825.50	3	QPSK	1 / 0	24.50	-0.60	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
836.50	3	QPSK	1 / 14	24.31	-0.60	21.56	0.143	38.45	-16.89	23.71	0.235	40.61	-16.90
847.50	3	QPSK	1 / 7	24.33	-0.60	21.58	0.144	38.45	-16.87	23.73	0.236	40.61	-16.88
825.50	3	16-QAM	1 / 0	23.73	-0.60	20.98	0.125	38.45	-17.47	23.13	0.206	40.61	-17.48
825.50	3	64-QAM	1 / 0	22.88	-0.60	20.13	0.103	38.45	-18.32	22.28	0.169	40.61	-18.33
826.50	5	QPSK	1 / 0	24.39	-0.60	21.64	0.146	38.45	-16.81	23.79	0.239	40.61	-16.82
836.50	5	QPSK	1 / 24	24.50	-0.60	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
846.50	5	QPSK	1 / 0	24.25	-0.60	21.50	0.141	38.45	-16.95	23.65	0.232	40.61	-16.96
836.50	5	16-QAM	1 / 24	23.67	-0.60	20.92	0.124	38.45	-17.53	23.07	0.203	40.61	-17.54
836.50	5	64-QAM	1 / 24	22.81	-0.60	20.06	0.101	38.45	-18.39	22.21	0.166	40.61	-18.40
829.00	10	QPSK	1 / 0	24.43	-0.60	21.68	0.147	38.45	-16.77	23.83	0.242	40.61	-16.78
836.50	10	QPSK	1 / 49	24.50	-0.60	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
844.00	10	QPSK	1 / 0	24.45	-0.60	21.70	0.148	38.45	-16.75	23.85	0.243	40.61	-16.76
836.50	10	16-QAM	1 / 49	23.81	-0.60	21.06	0.128	38.45	-17.39	23.21	0.209	40.61	-17.40
836.50	10	64-QAM	1 / 25	22.79	-0.60	20.04	0.101	38.45	-18.41	22.19	0.166	40.61	-18.42

Table 7-54. ERP Data (Band 5)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	1 / 0	24.44	-0.60	21.69	0.148	38.45	-16.76	23.84	0.242	40.61	-16.77
836.50	1.4	QPSK	1 / 0	24.23	-0.60	21.48	0.141	38.45	-16.97	23.63	0.231	40.61	-16.98
848.30	1.4	QPSK	1 / 5	24.50	-0.60	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
848.30	1.4	16-QAM	1 / 0	23.70	-0.60	20.95	0.124	38.45	-17.50	23.10	0.204	40.61	-17.51
848.30	1.4	64-QAM	1 / 5	22.69	-0.60	19.94	0.099	38.45	-18.51	22.09	0.162	40.61	-18.52
825.50	3	QPSK	1 / 0	24.50	-0.60	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
836.50	3	QPSK	1 / 0	24.29	-0.60	21.54	0.143	38.45	-16.91	23.69	0.234	40.61	-16.92
847.50	3	QPSK	1 / 7	24.33	-0.60	21.58	0.144	38.45	-16.87	23.73	0.236	40.61	-16.88
825.50	3	16-QAM	1 / 0	23.66	-0.60	20.91	0.123	38.45	-17.54	23.06	0.202	40.61	-17.55
825.50	3	64-QAM	1 / 0	22.75	-0.60	20.00	0.100	38.45	-18.45	22.15	0.164	40.61	-18.46
826.50	5	QPSK	1 / 0	24.50	-0.60	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
836.50	5	QPSK	1 / 0	24.45	-0.60	21.70	0.148	38.45	-16.75	23.85	0.243	40.61	-16.76
846.50	5	QPSK	1 / 0	24.36	-0.60	21.61	0.145	38.45	-16.84	23.76	0.238	40.61	-16.85
826.50	5	16-QAM	1 / 0	23.63	-0.60	20.88	0.122	38.45	-17.57	23.03	0.201	40.61	-17.58
826.50	5	64-QAM	1 / 12	22.82	-0.60	20.07	0.102	38.45	-18.38	22.22	0.167	40.61	-18.39
829.00	10	QPSK	1 / 0	24.49	-0.60	21.74	0.149	38.45	-16.71	23.89	0.245	40.61	-16.72
836.50	10	QPSK	1 / 0	24.31	-0.60	21.56	0.143	38.45	-16.89	23.71	0.235	40.61	-16.90
844.00	10	QPSK	1 / 0	24.50	-0.60	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
844.00	10	16-QAM	1 / 0	23.72	-0.60	20.97	0.125	38.45	-17.48	23.12	0.205	40.61	-17.49
844.00	10	64-QAM	1 / 49	22.66	-0.60	19.91	0.098	38.45	-18.54	22.06	0.161	40.61	-18.55

Table 7-55. ERP Data (Band 26)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 283 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	23.06	-2.70	20.36	0.109	30.00	-9.64
1732.50	1.4	QPSK	1 / 5	23.24	-2.70	20.54	0.113	30.00	-9.46
1754.30	1.4	QPSK	1 / 5	23.46	-2.70	20.76	0.119	30.00	-9.24
1754.30	1.4	16-QAM	1 / 2	22.70	-2.70	20.00	0.100	30.00	-10.00
1754.30	1.4	64-QAM	1 / 5	21.76	-2.70	19.06	0.081	30.00	-10.94
1711.50	3	QPSK	1 / 7	23.06	-2.70	20.36	0.109	30.00	-9.64
1732.50	3	QPSK	1 / 0	23.24	-2.70	20.54	0.113	30.00	-9.46
1753.50	3	QPSK	1 / 7	23.26	-2.70	20.56	0.114	30.00	-9.44
1753.50	3	16-QAM	1 / 7	22.49	-2.70	19.79	0.095	30.00	-10.21
1753.50	3	64-QAM	1 / 7	21.68	-2.70	18.98	0.079	30.00	-11.02
1712.50	5	QPSK	1 / 24	23.24	-2.70	20.54	0.113	30.00	-9.46
1732.50	5	QPSK	1 / 0	23.49	-2.70	20.79	0.120	30.00	-9.21
1752.50	5	QPSK	1 / 0	23.35	-2.70	20.65	0.116	30.00	-9.35
1732.50	5	16-QAM	1 / 0	22.68	-2.70	19.98	0.100	30.00	-10.02
1732.50	5	64-QAM	1 / 0	21.79	-2.70	19.09	0.081	30.00	-10.91
1715.00	10	QPSK	1 / 0	23.18	-2.70	20.48	0.112	30.00	-9.52
1732.50	10	QPSK	1 / 0	23.47	-2.70	20.77	0.119	30.00	-9.23
1750.00	10	QPSK	1 / 25	23.30	-2.70	20.60	0.115	30.00	-9.40
1732.50	10	16-QAM	1 / 0	22.70	-2.70	20.00	0.100	30.00	-10.00
1732.50	10	64-QAM	1 / 0	21.87	-2.70	19.17	0.083	30.00	-10.83
1717.50	15	QPSK	1 / 36	23.46	-2.70	20.76	0.119	30.00	-9.24
1732.50	15	QPSK	1 / 0	23.39	-2.70	20.69	0.117	30.00	-9.31
1747.50	15	QPSK	1 / 36	23.38	-2.70	20.68	0.117	30.00	-9.32
1717.50	15	16-QAM	1 / 36	22.60	-2.70	19.90	0.098	30.00	-10.10
1717.50	15	64-QAM	1 / 74	21.81	-2.70	19.11	0.081	30.00	-10.89
1720.00	20	QPSK	1 / 99	23.47	-2.70	20.77	0.119	30.00	-9.23
1732.50	20	QPSK	1 / 0	23.27	-2.70	20.57	0.114	30.00	-9.43
1745.00	20	QPSK	1 / 99	23.50	-2.70	20.80	0.120	30.00	-9.20
1745.00	20	16-QAM	1 / 99	22.63	-2.70	19.93	0.098	30.00	-10.07
1745.00	20	64-QAM	1 / 50	21.75	-2.70	19.05	0.080	30.00	-10.95

Table 7-56. EIRP Data (Band 4)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 284 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	22.93	-2.70	20.23	0.105	30.00	-9.77
1745.00	1.4	QPSK	1 / 0	23.05	-2.70	20.35	0.108	30.00	-9.65
1779.30	1.4	QPSK	1 / 5	23.45	-2.70	20.75	0.119	30.00	-9.25
1779.30	1.4	16-QAM	1 / 5	22.66	-2.70	19.96	0.099	30.00	-10.04
1779.30	1.4	64-QAM	1 / 5	21.51	-2.70	18.81	0.076	30.00	-11.19
1711.50	3	QPSK	1 / 7	22.91	-2.70	20.21	0.105	30.00	-9.79
1745.00	3	QPSK	1 / 14	23.03	-2.70	20.33	0.108	30.00	-9.67
1778.50	3	QPSK	1 / 14	23.24	-2.70	20.54	0.113	30.00	-9.46
1778.50	3	16-QAM	1 / 14	22.39	-2.70	19.69	0.093	30.00	-10.31
1778.50	3	64-QAM	1 / 14	21.47	-2.70	18.77	0.075	30.00	-11.23
1712.50	5	QPSK	1 / 24	23.06	-2.70	20.36	0.109	30.00	-9.64
1745.00	5	QPSK	1 / 24	23.34	-2.70	20.64	0.116	30.00	-9.36
1777.50	5	QPSK	1 / 24	23.31	-2.70	20.61	0.115	30.00	-9.39
1745.00	5	16-QAM	1 / 24	22.47	-2.70	19.77	0.095	30.00	-10.23
1745.00	5	64-QAM	1 / 24	21.50	-2.70	18.80	0.076	30.00	-11.20
1715.00	10	QPSK	1 / 25	23.11	-2.70	20.41	0.110	30.00	-9.59
1745.00	10	QPSK	1 / 49	23.17	-2.70	20.47	0.111	30.00	-9.53
1775.00	10	QPSK	1 / 0	23.26	-2.70	20.56	0.114	30.00	-9.44
1775.00	10	16-QAM	1 / 49	22.50	-2.70	19.80	0.095	30.00	-10.20
1775.00	10	64-QAM	1 / 25	21.48	-2.70	18.78	0.076	30.00	-11.22
1717.50	15	QPSK	1 / 36	23.27	-2.70	20.57	0.114	30.00	-9.43
1745.00	15	QPSK	1 / 74	23.16	-2.70	20.46	0.111	30.00	-9.54
1772.50	15	QPSK	1 / 0	23.28	-2.70	20.58	0.114	30.00	-9.42
1772.50	15	16-QAM	1 / 74	22.43	-2.70	19.73	0.094	30.00	-10.27
1772.50	15	64-QAM	1 / 0	21.43	-2.70	18.73	0.075	30.00	-11.27
1720.00	20	QPSK	1 / 99	23.41	-2.70	20.71	0.118	30.00	-9.29
1745.00	20	QPSK	1 / 99	23.04	-2.70	20.34	0.108	30.00	-9.66
1770.00	20	QPSK	1 / 0	23.50	-2.70	20.80	0.120	30.00	-9.20
1770.00	20	16-QAM	1 / 0	22.61	-2.70	19.91	0.098	30.00	-10.09
1770.00	20	64-QAM	1 / 0	21.70	-2.70	19.00	0.079	30.00	-11.00

Table 7-57. EIRP Data (Band 66)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 285 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	23.33	-2.60	20.73	0.118	33.01	-12.28
1880.00	1.4	QPSK	1 / 0	23.44	-2.60	20.84	0.121	33.01	-12.17
1909.30	1.4	QPSK	1 / 2	23.50	-2.60	20.90	0.123	33.01	-12.11
1909.30	1.4	16-QAM	1 / 0	22.83	-2.60	20.23	0.105	33.01	-12.78
1909.30	1.4	64-QAM	1 / 2	21.83	-2.60	19.23	0.084	33.01	-13.78
1851.50	3	QPSK	1 / 7	23.24	-2.60	20.64	0.116	33.01	-12.37
1880.00	3	QPSK	1 / 7	23.35	-2.60	20.75	0.119	33.01	-12.26
1908.50	3	QPSK	1 / 7	23.33	-2.60	20.73	0.118	33.01	-12.28
1880.00	3	16-QAM	1 / 0	22.60	-2.60	20.00	0.100	33.01	-13.01
1880.00	3	64-QAM	1 / 0	21.75	-2.60	19.15	0.082	33.01	-13.86
1852.50	5	QPSK	1 / 24	23.34	-2.60	20.74	0.119	33.01	-12.27
1880.00	5	QPSK	1 / 0	23.50	-2.60	20.90	0.123	33.01	-12.11
1907.50	5	QPSK	1 / 0	23.28	-2.60	20.68	0.117	33.01	-12.33
1880.00	5	16-QAM	1 / 0	22.65	-2.60	20.05	0.101	33.01	-12.96
1880.00	5	64-QAM	1 / 0	21.64	-2.60	19.04	0.080	33.01	-13.97
1855.00	10	QPSK	1 / 49	23.50	-2.60	20.90	0.123	33.01	-12.11
1880.00	10	QPSK	1 / 0	23.38	-2.60	20.78	0.120	33.01	-12.23
1905.00	10	QPSK	1 / 25	23.44	-2.60	20.84	0.121	33.01	-12.17
1855.00	10	16-QAM	1 / 49	22.68	-2.60	20.08	0.102	33.01	-12.93
1855.00	10	64-QAM	1 / 49	21.72	-2.60	19.12	0.082	33.01	-13.89
1857.50	15	QPSK	1 / 36	23.50	-2.60	20.90	0.123	33.01	-12.11
1880.00	15	QPSK	1 / 36	23.37	-2.60	20.77	0.119	33.01	-12.24
1902.50	15	QPSK	1 / 36	23.35	-2.60	20.75	0.119	33.01	-12.26
1857.50	15	16-QAM	1 / 36	22.87	-2.60	20.27	0.106	33.01	-12.74
1857.50	15	64-QAM	1 / 36	21.77	-2.60	19.17	0.083	33.01	-13.84
1860.00	20	QPSK	1 / 50	23.50	-2.60	20.90	0.123	33.01	-12.11
1880.00	20	QPSK	1 / 50	23.24	-2.60	20.64	0.116	33.01	-12.37
1900.00	20	QPSK	1 / 50	23.44	-2.60	20.84	0.121	33.01	-12.17
1860.00	20	16-QAM	1 / 50	22.75	-2.60	20.15	0.104	33.01	-12.86
1860.00	20	64-QAM	1 / 50	21.75	-2.60	19.15	0.082	33.01	-13.86

Table 7-58. EIRP Data (Band 2)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 286 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 0	23.07	-2.60	20.47	0.111	33.01	-12.54
1882.50	1.4	QPSK	1 / 0	23.08	-2.60	20.48	0.112	33.01	-12.53
1914.30	1.4	QPSK	6 / 0	23.50	-2.60	20.90	0.123	33.01	-12.11
1914.30	1.4	16-QAM	1 / 0	22.63	-2.60	20.03	0.101	33.01	-12.98
1914.30	1.4	64-QAM	6 / 0	21.75	-2.60	19.15	0.082	33.01	-13.86
1851.50	3	QPSK	8 / 4	23.35	-2.60	20.75	0.119	33.01	-12.26
1882.50	3	QPSK	8 / 4	23.34	-2.60	20.74	0.119	33.01	-12.27
1913.50	3	QPSK	8 / 4	23.50	-2.60	20.90	0.123	33.01	-12.11
1913.50	3	16-QAM	15 / 0	22.67	-2.60	20.07	0.102	33.01	-12.94
1913.50	3	64-QAM	15 / 0	21.77	-2.60	19.17	0.083	33.01	-13.84
1852.50	5	QPSK	1 / 24	23.42	-2.60	20.82	0.121	33.01	-12.19
1882.50	5	QPSK	1 / 0	23.50	-2.60	20.90	0.123	33.01	-12.11
1912.50	5	QPSK	1 / 12	23.40	-2.60	20.80	0.120	33.01	-12.21
1882.50	5	16-QAM	25 / 0	22.78	-2.60	20.18	0.104	33.01	-12.83
1882.50	5	64-QAM	25 / 0	21.74	-2.60	19.14	0.082	33.01	-13.87
1855.00	10	QPSK	1 / 0	23.49	-2.60	20.89	0.123	33.01	-12.12
1882.50	10	QPSK	50 / 0	23.43	-2.60	20.83	0.121	33.01	-12.18
1910.00	10	QPSK	1 / 0	23.50	-2.60	20.90	0.123	33.01	-12.11
1910.00	10	16-QAM	1 / 0	22.70	-2.60	20.10	0.102	33.01	-12.91
1910.00	10	64-QAM	1 / 0	21.88	-2.60	19.28	0.085	33.01	-13.73
1857.50	15	QPSK	36 / 18	23.50	-2.60	20.90	0.123	33.01	-12.11
1882.50	15	QPSK	75 / 0	23.25	-2.60	20.65	0.116	33.01	-12.36
1907.50	15	QPSK	1 / 0	23.42	-2.60	20.82	0.121	33.01	-12.19
1857.50	15	16-QAM	36 / 18	22.78	-2.60	20.18	0.104	33.01	-12.83
1857.50	15	64-QAM	1 / 0	21.88	-2.60	19.28	0.085	33.01	-13.73
1860.00	20	QPSK	50 / 25	23.32	-2.60	20.72	0.118	33.01	-12.29
1882.50	20	QPSK	100 / 0	23.09	-2.60	20.49	0.112	33.01	-12.52
1905.00	20	QPSK	1 / 0	23.50	-2.60	20.90	0.123	33.01	-12.11
1905.00	20	16-QAM	1 / 0	22.64	-2.60	20.04	0.101	33.01	-12.97
1905.00	20	64-QAM	1 / 0	21.75	-2.60	19.15	0.082	33.01	-13.86

Table 7-59. EIRP Data (Band 25)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 287 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 0	23.00	-3.10	19.90	0.098	23.98	-4.08
2312.50	5	QPSK	1 / 24	22.69	-3.10	19.59	0.091	23.98	-4.39
2307.50	5	16-QAM	1 / 0	22.14	-3.10	19.04	0.080	23.98	-4.94
2307.50	5	64-QAM	1 / 0	21.22	-3.10	18.12	0.065	23.98	-5.86
2310.00	10	QPSK	1 / 0	23.00	-3.10	19.90	0.098	23.98	-4.08
2310.00	10	16-QAM	1 / 49	22.14	-3.10	19.04	0.080	23.98	-4.94
2310.00	10	64-QAM	1 / 0	21.39	-3.10	18.29	0.067	23.98	-5.69

Table 7-60. EIRP Data (Band 30)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 288 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 0	22.54	-0.40	22.14	0.164	33.01	-10.87
2535.00	5	QPSK	1 / 24	23.00	-0.40	22.60	0.182	33.01	-10.41
2567.50	5	QPSK	1 / 12	22.64	-0.40	22.24	0.167	33.01	-10.77
2535.00	5	16-QAM	1 / 24	22.30	-0.40	21.90	0.155	33.01	-11.11
2535.00	5	64-QAM	1 / 24	21.23	-0.40	20.83	0.121	33.01	-12.18
2505.00	10	QPSK	1 / 49	22.87	-0.40	22.47	0.177	33.01	-10.54
2535.00	10	QPSK	1 / 49	23.00	-0.40	22.60	0.182	33.01	-10.41
2565.00	10	QPSK	1 / 25	22.72	-0.40	22.32	0.171	33.01	-10.69
2535.00	10	16-QAM	1 / 49	22.24	-0.40	21.84	0.153	33.01	-11.17
2535.00	10	64-QAM	1 / 49	21.43	-0.40	21.03	0.127	33.01	-11.98
2507.50	15	QPSK	1 / 74	23.00	-0.40	22.60	0.182	33.01	-10.41
2535.00	15	QPSK	1 / 74	22.87	-0.40	22.47	0.177	33.01	-10.54
2562.50	15	QPSK	1 / 74	22.52	-0.40	22.12	0.163	33.01	-10.89
2507.50	15	16-QAM	1 / 74	22.33	-0.40	21.93	0.156	33.01	-11.08
2507.50	15	64-QAM	1 / 74	21.46	-0.40	21.06	0.128	33.01	-11.95
2510.00	20	QPSK	1 / 50	22.57	-0.40	22.17	0.165	33.01	-10.84
2535.00	20	QPSK	1 / 99	22.57	-0.40	22.17	0.165	33.01	-10.84
2560.00	20	QPSK	1 / 99	22.80	-0.40	22.40	0.174	33.01	-10.61
2560.00	20	16-QAM	1 / 99	22.06	-0.40	21.66	0.147	33.01	-11.35
2560.00	20	64-QAM	1 / 99	21.11	-0.40	20.71	0.118	33.01	-12.30

Table 7-61. EIRP Data (Band 7)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 289 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 12	23.93	-0.40	23.53	0.225	33.01	-9.48
2593.00	5	QPSK	1 / 0	24.94	-0.40	24.54	0.284	33.01	-8.47
2687.50	5	QPSK	1 / 24	24.63	-0.40	24.23	0.265	33.01	-8.78
2593.00	5	16-QAM	1 / 0	23.92	-0.40	23.52	0.225	33.01	-9.49
2593.00	5	64-QAM	1 / 0	22.92	-0.40	22.52	0.179	33.01	-10.49
2501.00	10	QPSK	1 / 0	23.90	-0.40	23.50	0.224	33.01	-9.51
2593.00	10	QPSK	1 / 0	24.98	-0.40	24.58	0.287	33.01	-8.43
2685.00	10	QPSK	1 / 49	24.78	-0.40	24.38	0.274	33.01	-8.63
2593.00	10	16-QAM	1 / 0	23.79	-0.40	23.39	0.218	33.01	-9.62
2593.00	10	64-QAM	1 / 25	22.82	-0.40	22.42	0.175	33.01	-10.59
2503.50	15	QPSK	1 / 0	23.75	-0.40	23.35	0.216	33.01	-9.66
2593.00	15	QPSK	1 / 0	24.88	-0.40	24.48	0.281	33.01	-8.53
2682.50	15	QPSK	1 / 74	24.70	-0.40	24.30	0.269	33.01	-8.71
2593.00	15	16-QAM	1 / 0	23.75	-0.40	23.35	0.216	33.01	-9.66
2593.00	15	64-QAM	1 / 36	22.79	-0.40	22.39	0.173	33.01	-10.62
2506.00	20	QPSK	1 / 0	23.84	-0.40	23.44	0.221	33.01	-9.57
2593.00	20	QPSK	1 / 0	24.91	-0.40	24.51	0.282	33.01	-8.50
2680.00	20	QPSK	1 / 99	24.70	-0.40	24.30	0.269	33.01	-8.71
2593.00	20	16-QAM	1 / 0	23.89	-0.40	23.49	0.223	33.01	-9.52
2593.00	20	64-QAM	1 / 0	23.13	-0.40	22.73	0.187	33.01	-10.28

Table 7-62. EIRP Data (Band 41 PC2)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 290 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 12	22.97	-0.40	22.57	0.181	33.01	-10.44
2593.00	5	QPSK	1 / 0	22.93	-0.40	22.53	0.179	33.01	-10.48
2687.50	5	QPSK	1 / 24	22.71	-0.40	22.31	0.170	33.01	-10.70
2593.00	5	16-QAM	1 / 0	22.00	-0.40	21.60	0.145	33.01	-11.41
2593.00	5	64-QAM	1 / 0	20.95	-0.40	20.55	0.114	33.01	-12.46
2501.00	10	QPSK	1 / 25	22.87	-0.40	22.47	0.177	33.01	-10.54
2593.00	10	QPSK	1 / 0	22.97	-0.40	22.57	0.181	33.01	-10.44
2685.00	10	QPSK	1 / 49	22.78	-0.40	22.38	0.173	33.01	-10.63
2593.00	10	16-QAM	1 / 0	21.88	-0.40	21.48	0.141	33.01	-11.53
2593.00	10	64-QAM	1 / 0	20.81	-0.40	20.41	0.110	33.01	-12.60
2503.50	15	QPSK	1 / 0	22.69	-0.40	22.29	0.169	33.01	-10.72
2593.00	15	QPSK	1 / 0	22.85	-0.40	22.45	0.176	33.01	-10.56
2682.50	15	QPSK	1 / 74	22.73	-0.40	22.33	0.171	33.01	-10.68
2593.00	15	16-QAM	1 / 0	21.85	-0.40	21.45	0.140	33.01	-11.56
2593.00	15	64-QAM	1 / 36	20.84	-0.40	20.44	0.111	33.01	-12.57
2506.00	20	QPSK	1 / 0	22.84	-0.40	22.44	0.175	33.01	-10.57
2593.00	20	QPSK	1 / 50	22.80	-0.40	22.40	0.174	33.01	-10.61
2680.00	20	QPSK	1 / 99	22.86	-0.40	22.46	0.176	33.01	-10.55
2593.00	20	16-QAM	1 / 0	21.96	-0.40	21.56	0.143	33.01	-11.45
2593.00	20	64-QAM	1 / 99	20.84	-0.40	20.44	0.111	33.01	-12.57

Table 7-63. EIRP Data (Band 41 PC3)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 291 of 421

7.8.3 Port-C Radiated Power (ERP/EIRP)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	24.74	-1.50	23.24	0.211	30.00	-6.76
1732.50	1.4	QPSK	1 / 0	25.00	-1.50	23.50	0.224	30.00	-6.50
1754.30	1.4	QPSK	1 / 0	24.94	-1.50	23.44	0.221	30.00	-6.56
1732.50	1.4	16-QAM	1 / 0	24.29	-1.50	22.79	0.190	30.00	-7.21
1732.50	1.4	64-QAM	1 / 0	22.74	-1.50	21.24	0.133	30.00	-8.76
1711.50	3	QPSK	1 / 7	24.82	-1.50	23.32	0.215	30.00	-6.68
1732.50	3	QPSK	1 / 7	25.00	-1.50	23.50	0.224	30.00	-6.50
1753.50	3	QPSK	1 / 7	24.77	-1.50	23.27	0.212	30.00	-6.73
1732.50	3	16-QAM	1 / 7	24.29	-1.50	22.79	0.190	30.00	-7.21
1732.50	3	64-QAM	1 / 7	23.38	-1.50	21.88	0.154	30.00	-8.12
1712.50	5	QPSK	1 / 24	24.75	-1.50	23.25	0.211	30.00	-6.75
1732.50	5	QPSK	1 / 0	25.00	-1.50	23.50	0.224	30.00	-6.50
1752.50	5	QPSK	1 / 0	24.58	-1.50	23.08	0.203	30.00	-6.92
1732.50	5	16-QAM	1 / 0	24.09	-1.50	22.59	0.182	30.00	-7.41
1732.50	5	64-QAM	1 / 12	23.30	-1.50	21.80	0.151	30.00	-8.20
1715.00	10	QPSK	1 / 25	24.72	-1.50	23.22	0.210	30.00	-6.78
1732.50	10	QPSK	1 / 0	25.00	-1.50	23.50	0.224	30.00	-6.50
1750.00	10	QPSK	1 / 49	24.72	-1.50	23.22	0.210	30.00	-6.78
1732.50	10	16-QAM	1 / 0	24.25	-1.50	22.75	0.188	30.00	-7.25
1732.50	10	64-QAM	1 / 0	23.51	-1.50	22.01	0.159	30.00	-7.99
1717.50	15	QPSK	1 / 36	25.00	-1.50	23.50	0.224	30.00	-6.50
1732.50	15	QPSK	1 / 36	24.99	-1.50	23.49	0.223	30.00	-6.51
1747.50	15	QPSK	1 / 0	24.72	-1.50	23.22	0.210	30.00	-6.78
1717.50	15	16-QAM	1 / 74	24.12	-1.50	22.62	0.183	30.00	-7.38
1717.50	15	64-QAM	1 / 36	23.44	-1.50	21.94	0.156	30.00	-8.06
1720.00	20	QPSK	1 / 99	25.00	-1.50	23.50	0.224	30.00	-6.50
1732.50	20	QPSK	1 / 50	24.82	-1.50	23.32	0.215	30.00	-6.68
1745.00	20	QPSK	1 / 0	24.94	-1.50	23.44	0.221	30.00	-6.56
1720.00	20	16-QAM	1 / 99	24.15	-1.50	22.65	0.184	30.00	-7.35
1720.00	20	64-QAM	1 / 99	23.43	-1.50	21.93	0.156	30.00	-8.07

Table 7-64. EIRP Data (Band 4)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 292 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	24.77	-1.50	23.27	0.212	30.00	-6.73
1745.00	1.4	QPSK	1 / 5	24.78	-1.50	23.28	0.213	30.00	-6.72
1779.30	1.4	QPSK	1 / 5	25.00	-1.50	23.50	0.224	30.00	-6.50
1779.30	1.4	16-QAM	1 / 0	24.12	-1.50	22.62	0.183	30.00	-7.38
1779.30	1.4	64-QAM	1 / 0	23.27	-1.50	21.77	0.150	30.00	-8.23
1711.50	3	QPSK	1 / 7	24.90	-1.50	23.40	0.219	30.00	-6.60
1745.00	3	QPSK	1 / 7	24.93	-1.50	23.43	0.220	30.00	-6.57
1778.50	3	QPSK	1 / 7	25.00	-1.50	23.50	0.224	30.00	-6.50
1778.50	3	16-QAM	1 / 0	24.17	-1.50	22.67	0.185	30.00	-7.33
1778.50	3	64-QAM	1 / 7	23.19	-1.50	21.69	0.148	30.00	-8.31
1712.50	5	QPSK	1 / 24	24.97	-1.50	23.47	0.222	30.00	-6.53
1745.00	5	QPSK	1 / 0	25.00	-1.50	23.50	0.224	30.00	-6.50
1777.50	5	QPSK	1 / 0	24.98	-1.50	23.48	0.223	30.00	-6.52
1745.00	5	16-QAM	1 / 0	24.20	-1.50	22.70	0.186	30.00	-7.30
1745.00	5	64-QAM	1 / 0	23.31	-1.50	21.81	0.152	30.00	-8.19
1715.00	10	QPSK	1 / 0	24.88	-1.50	23.38	0.218	30.00	-6.62
1745.00	10	QPSK	1 / 0	24.90	-1.50	23.40	0.219	30.00	-6.60
1775.00	10	QPSK	1 / 0	25.00	-1.50	23.50	0.224	30.00	-6.50
1775.00	10	16-QAM	1 / 25	24.15	-1.50	22.65	0.184	30.00	-7.35
1775.00	10	64-QAM	1 / 0	23.34	-1.50	21.84	0.153	30.00	-8.16
1717.50	15	QPSK	1 / 74	25.00	-1.50	23.50	0.224	30.00	-6.50
1745.00	15	QPSK	1 / 0	24.79	-1.50	23.29	0.213	30.00	-6.71
1772.50	15	QPSK	1 / 0	24.91	-1.50	23.41	0.219	30.00	-6.59
1717.50	15	16-QAM	1 / 36	24.19	-1.50	22.69	0.186	30.00	-7.31
1717.50	15	64-QAM	1 / 74	23.29	-1.50	21.79	0.151	30.00	-8.21
1720.00	20	QPSK	1 / 99	24.96	-1.50	23.46	0.222	30.00	-6.54
1745.00	20	QPSK	1 / 0	24.69	-1.50	23.19	0.208	30.00	-6.81
1770.00	20	QPSK	1 / 0	25.00	-1.50	23.50	0.224	30.00	-6.50
1770.00	20	16-QAM	1 / 0	24.14	-1.50	22.64	0.184	30.00	-7.36
1770.00	20	64-QAM	1 / 0	23.31	-1.50	21.81	0.152	30.00	-8.19

Table 7-65. EIRP Data (Band 66)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 293 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	24.85	-1.70	23.15	0.207	33.01	-9.86
1880.00	1.4	QPSK	1 / 0	24.86	-1.70	23.16	0.207	33.01	-9.85
1909.30	1.4	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1909.30	1.4	16-QAM	1 / 2	24.19	-1.70	22.49	0.177	33.01	-10.52
1909.30	1.4	64-QAM	1 / 2	23.18	-1.70	21.48	0.141	33.01	-11.53
1851.50	3	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1880.00	3	QPSK	1 / 7	24.99	-1.70	23.29	0.213	33.01	-9.72
1908.50	3	QPSK	1 / 0	24.98	-1.70	23.28	0.213	33.01	-9.73
1851.50	3	16-QAM	1 / 7	24.26	-1.70	22.56	0.180	33.01	-10.45
1851.50	3	64-QAM	1 / 0	23.29	-1.70	21.59	0.144	33.01	-11.42
1852.50	5	QPSK	1 / 0	24.86	-1.70	23.16	0.207	33.01	-9.85
1880.00	5	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1907.50	5	QPSK	1 / 0	24.92	-1.70	23.22	0.210	33.01	-9.79
1880.00	5	16-QAM	1 / 0	24.18	-1.70	22.48	0.177	33.01	-10.53
1880.00	5	64-QAM	1 / 12	23.24	-1.70	21.54	0.143	33.01	-11.47
1855.00	10	QPSK	1 / 0	24.71	-1.70	23.01	0.200	33.01	-10.00
1880.00	10	QPSK	1 / 49	24.78	-1.70	23.08	0.203	33.01	-9.93
1905.00	10	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1905.00	10	16-QAM	1 / 25	24.17	-1.70	22.47	0.177	33.01	-10.54
1905.00	10	64-QAM	1 / 0	23.43	-1.70	21.73	0.149	33.01	-11.28
1857.50	15	QPSK	1 / 0	24.87	-1.70	23.17	0.207	33.01	-9.84
1880.00	15	QPSK	1 / 36	24.85	-1.70	23.15	0.207	33.01	-9.86
1902.50	15	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1902.50	15	16-QAM	1 / 36	24.17	-1.70	22.47	0.177	33.01	-10.54
1902.50	15	64-QAM	1 / 36	23.42	-1.70	21.72	0.149	33.01	-11.29
1860.00	20	QPSK	1 / 0	24.61	-1.70	22.91	0.195	33.01	-10.10
1880.00	20	QPSK	1 / 99	24.60	-1.70	22.90	0.195	33.01	-10.11
1900.00	20	QPSK	1 / 50	25.00	-1.70	23.30	0.214	33.01	-9.71
1900.00	20	16-QAM	1 / 50	24.12	-1.70	22.42	0.175	33.01	-10.59
1900.00	20	64-QAM	1 / 50	23.29	-1.70	21.59	0.144	33.01	-11.42

Table 7-66. EIRP Data (Band 2)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 294 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	24.77	-1.70	23.07	0.203	33.01	-9.94
1882.50	1.4	QPSK	1 / 0	24.62	-1.70	22.92	0.196	33.01	-10.09
1914.30	1.4	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1914.30	1.4	16-QAM	1 / 0	24.02	-1.70	22.32	0.171	33.01	-10.69
1914.30	1.4	64-QAM	1 / 0	22.91	-1.70	21.21	0.132	33.01	-11.80
1851.50	3	QPSK	1 / 0	24.89	-1.70	23.19	0.208	33.01	-9.82
1882.50	3	QPSK	1 / 7	24.99	-1.70	23.29	0.213	33.01	-9.72
1913.50	3	QPSK	1 / 7	25.00	-1.70	23.30	0.214	33.01	-9.71
1913.50	3	16-QAM	1 / 7	23.85	-1.70	22.15	0.164	33.01	-10.86
1913.50	3	64-QAM	1 / 14	22.90	-1.70	21.20	0.132	33.01	-11.81
1852.50	5	QPSK	1 / 0	24.63	-1.70	22.93	0.196	33.01	-10.08
1882.50	5	QPSK	1 / 24	25.00	-1.70	23.30	0.214	33.01	-9.71
1912.50	5	QPSK	1 / 12	24.90	-1.70	23.20	0.209	33.01	-9.81
1882.50	5	16-QAM	1 / 24	24.24	-1.70	22.54	0.179	33.01	-10.47
1882.50	5	64-QAM	1 / 24	23.27	-1.70	21.57	0.144	33.01	-11.44
1855.00	10	QPSK	1 / 0	24.90	-1.70	23.20	0.209	33.01	-9.81
1882.50	10	QPSK	1 / 25	24.96	-1.70	23.26	0.212	33.01	-9.75
1910.00	10	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1910.00	10	16-QAM	1 / 0	23.88	-1.70	22.18	0.165	33.01	-10.83
1910.00	10	64-QAM	1 / 25	22.79	-1.70	21.09	0.129	33.01	-11.92
1857.50	15	QPSK	1 / 0	24.70	-1.70	23.00	0.200	33.01	-10.01
1882.50	15	QPSK	1 / 74	24.88	-1.70	23.18	0.208	33.01	-9.83
1907.50	15	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1907.50	15	16-QAM	1 / 0	23.96	-1.70	22.26	0.168	33.01	-10.75
1907.50	15	64-QAM	1 / 0	22.96	-1.70	21.26	0.134	33.01	-11.75
1860.00	20	QPSK	1 / 0	24.53	-1.70	22.83	0.192	33.01	-10.18
1882.50	20	QPSK	1 / 99	24.93	-1.70	23.23	0.210	33.01	-9.78
1905.00	20	QPSK	1 / 0	25.00	-1.70	23.30	0.214	33.01	-9.71
1905.00	20	16-QAM	1 / 0	24.17	-1.70	22.47	0.177	33.01	-10.54
1905.00	20	64-QAM	1 / 0	23.03	-1.70	21.33	0.136	33.01	-11.68

Table 7-67. EIRP Data (Band 25)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 295 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 12	23.43	-0.20	23.23	0.210	23.98	-0.75
2312.50	5	QPSK	1 / 0	23.25	-0.20	23.05	0.202	23.98	-0.93
2307.50	5	16-QAM	1 / 12	22.70	-0.20	22.50	0.178	23.98	-1.48
2307.50	5	64-QAM	1 / 12	21.68	-0.20	21.48	0.141	23.98	-2.50
2310.00	10	QPSK	1 / 25	23.50	-0.20	23.30	0.214	23.98	-0.68
2310.00	10	16-QAM	1 / 25	22.63	-0.20	22.43	0.175	23.98	-1.55
2310.00	10	64-QAM	1 / 25	21.91	-0.20	21.71	0.148	23.98	-2.27

Table 7-68. EIRP Data (Band 30)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 296 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 12	25.00	0.30	25.30	0.339	33.01	-7.71
2535.00	5	QPSK	1 / 0	24.76	0.30	25.06	0.321	33.01	-7.95
2567.50	5	QPSK	1 / 24	24.69	0.30	24.99	0.316	33.01	-8.02
2502.50	5	16-QAM	1 / 24	24.24	0.30	24.54	0.284	33.01	-8.47
2502.50	5	64-QAM	1 / 24	23.16	0.30	23.46	0.222	33.01	-9.55
2505.00	10	QPSK	1 / 0	25.00	0.30	25.30	0.339	33.01	-7.71
2535.00	10	QPSK	1 / 49	24.74	0.30	25.04	0.319	33.01	-7.97
2565.00	10	QPSK	1 / 49	24.76	0.30	25.06	0.321	33.01	-7.95
2505.00	10	16-QAM	1 / 25	24.20	0.30	24.50	0.282	33.01	-8.51
2505.00	10	64-QAM	1 / 0	23.15	0.30	23.45	0.221	33.01	-9.56
2507.50	15	QPSK	1 / 74	25.00	0.30	25.30	0.339	33.01	-7.71
2535.00	15	QPSK	1 / 74	24.52	0.30	24.82	0.303	33.01	-8.19
2562.50	15	QPSK	1 / 74	24.55	0.30	24.85	0.305	33.01	-8.16
2507.50	15	16-QAM	1 / 74	24.06	0.30	24.36	0.273	33.01	-8.65
2507.50	15	64-QAM	1 / 74	23.04	0.30	23.34	0.216	33.01	-9.67
2510.00	20	QPSK	1 / 50	25.00	0.30	25.30	0.339	33.01	-7.71
2535.00	20	QPSK	1 / 99	24.86	0.30	25.16	0.328	33.01	-7.85
2560.00	20	QPSK	1 / 99	24.54	0.30	24.84	0.305	33.01	-8.17
2510.00	20	16-QAM	1 / 50	24.17	0.30	24.47	0.280	33.01	-8.54
2510.00	20	64-QAM	1 / 0	23.25	0.30	23.55	0.226	33.01	-9.46

Table 7-69. EIRP Data (Band 7)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 297 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 0	25.86	0.30	26.16	0.413	33.01	-6.85
2593.00	5	QPSK	1 / 24	27.93	0.30	28.23	0.665	33.01	-4.78
2687.50	5	QPSK	1 / 24	27.83	0.30	28.13	0.650	33.01	-4.88
2593.00	5	16-QAM	1 / 12	27.43	0.30	27.73	0.593	33.01	-5.28
2593.00	5	64-QAM	1 / 0	26.51	0.30	26.81	0.480	33.01	-6.20
2501.00	10	QPSK	1 / 0	25.96	0.30	26.26	0.423	33.01	-6.75
2593.00	10	QPSK	1 / 49	28.00	0.30	28.30	0.676	33.01	-4.71
2685.00	10	QPSK	1 / 49	27.89	0.30	28.19	0.659	33.01	-4.82
2593.00	10	16-QAM	1 / 49	27.43	0.30	27.73	0.593	33.01	-5.28
2593.00	10	64-QAM	1 / 49	26.33	0.30	26.63	0.460	33.01	-6.38
2503.50	15	QPSK	1 / 0	26.00	0.30	26.30	0.427	33.01	-6.71
2593.00	15	QPSK	1 / 36	27.99	0.30	28.29	0.675	33.01	-4.72
2682.50	15	QPSK	1 / 74	27.86	0.30	28.16	0.655	33.01	-4.85
2593.00	15	16-QAM	1 / 0	27.12	0.30	27.42	0.552	33.01	-5.59
2593.00	15	64-QAM	1 / 36	26.42	0.30	26.72	0.470	33.01	-6.29
2506.00	20	QPSK	1 / 0	25.87	0.30	26.17	0.414	33.01	-6.84
2593.00	20	QPSK	1 / 99	27.94	0.30	28.24	0.667	33.01	-4.77
2680.00	20	QPSK	1 / 99	27.83	0.30	28.13	0.650	33.01	-4.88
2593.00	20	16-QAM	1 / 99	27.42	0.30	27.72	0.592	33.01	-5.29
2593.00	20	64-QAM	1 / 50	26.50	0.30	26.80	0.479	33.01	-6.21

Table 7-70. EIRP Data (Band 41 PC2)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 298 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 0	24.30	0.30	24.60	0.288	33.01	-8.41
2593.00	5	QPSK	1 / 0	25.58	0.30	25.88	0.387	33.01	-7.13
2687.50	5	QPSK	1 / 24	25.48	0.30	25.78	0.378	33.01	-7.23
2593.00	5	16-QAM	1 / 24	24.57	0.30	24.87	0.307	33.01	-8.14
2593.00	5	64-QAM	1 / 24	23.51	0.30	23.81	0.240	33.01	-9.20
2501.00	10	QPSK	1 / 0	24.30	0.30	24.60	0.288	33.01	-8.41
2593.00	10	QPSK	1 / 0	25.57	0.30	25.87	0.386	33.01	-7.14
2685.00	10	QPSK	1 / 49	25.54	0.30	25.84	0.384	33.01	-7.17
2593.00	10	16-QAM	1 / 0	24.44	0.30	24.74	0.298	33.01	-8.27
2593.00	10	64-QAM	1 / 25	23.54	0.30	23.84	0.242	33.01	-9.17
2503.50	15	QPSK	1 / 0	24.28	0.30	24.58	0.287	33.01	-8.43
2593.00	15	QPSK	1 / 0	25.44	0.30	25.74	0.375	33.01	-7.27
2682.50	15	QPSK	1 / 74	25.50	0.30	25.80	0.380	33.01	-7.21
2593.00	15	16-QAM	1 / 0	24.32	0.30	24.62	0.290	33.01	-8.39
2593.00	15	64-QAM	1 / 36	23.46	0.30	23.76	0.238	33.01	-9.25
2506.00	20	QPSK	1 / 0	24.30	0.30	24.60	0.288	33.01	-8.41
2593.00	20	QPSK	1 / 99	25.55	0.30	25.85	0.385	33.01	-7.16
2680.00	20	QPSK	1 / 99	25.57	0.30	25.87	0.386	33.01	-7.14
2593.00	20	16-QAM	1 / 99	24.53	0.30	24.83	0.304	33.01	-8.18
2593.00	20	64-QAM	1 / 99	23.53	0.30	23.83	0.242	33.01	-9.18

Table 7-71. EIRP Data (Band 41 PC3)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 299 of 421

7.8.4 Port-D Radiated Power (ERP/EIRP)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	22.79	-1.20	21.59	0.144	30.00	-8.41
1732.50	1.4	QPSK	1 / 5	22.91	-1.20	21.71	0.148	30.00	-8.29
1754.30	1.4	QPSK	1 / 5	23.00	-1.20	21.80	0.151	30.00	-8.20
1754.30	1.4	16-QAM	1 / 0	22.30	-1.20	21.10	0.129	30.00	-8.90
1754.30	1.4	64-QAM	1 / 0	21.32	-1.20	20.12	0.103	30.00	-9.88
1711.50	3	QPSK	1 / 7	22.83	-1.20	21.63	0.146	30.00	-8.37
1732.50	3	QPSK	1 / 0	23.00	-1.20	21.80	0.151	30.00	-8.20
1753.50	3	QPSK	1 / 7	22.93	-1.20	21.73	0.149	30.00	-8.27
1732.50	3	16-QAM	1 / 0	22.37	-1.20	21.17	0.131	30.00	-8.83
1732.50	3	64-QAM	1 / 14	21.28	-1.20	20.08	0.102	30.00	-9.92
1712.50	5	QPSK	1 / 24	22.74	-1.20	21.54	0.143	30.00	-8.46
1732.50	5	QPSK	1 / 0	23.00	-1.20	21.80	0.151	30.00	-8.20
1752.50	5	QPSK	1 / 12	22.64	-1.20	21.44	0.139	30.00	-8.56
1732.50	5	16-QAM	1 / 0	22.05	-1.20	20.85	0.122	30.00	-9.15
1732.50	5	64-QAM	1 / 12	21.07	-1.20	19.87	0.097	30.00	-10.13
1715.00	10	QPSK	1 / 49	22.90	-1.20	21.70	0.148	30.00	-8.30
1732.50	10	QPSK	1 / 0	23.00	-1.20	21.80	0.151	30.00	-8.20
1750.00	10	QPSK	1 / 49	22.78	-1.20	21.58	0.144	30.00	-8.42
1732.50	10	16-QAM	1 / 0	22.19	-1.20	20.99	0.126	30.00	-9.01
1732.50	10	64-QAM	1 / 0	21.17	-1.20	19.97	0.099	30.00	-10.03
1717.50	15	QPSK	1 / 36	23.00	-1.20	21.80	0.151	30.00	-8.20
1732.50	15	QPSK	1 / 0	22.99	-1.20	21.79	0.151	30.00	-8.21
1747.50	15	QPSK	1 / 74	22.72	-1.20	21.52	0.142	30.00	-8.48
1717.50	15	16-QAM	1 / 74	22.21	-1.20	21.01	0.126	30.00	-8.99
1717.50	15	64-QAM	1 / 74	21.23	-1.20	20.03	0.101	30.00	-9.97
1720.00	20	QPSK	1 / 99	23.00	-1.20	21.80	0.151	30.00	-8.20
1732.50	20	QPSK	1 / 0	22.83	-1.20	21.63	0.146	30.00	-8.37
1745.00	20	QPSK	1 / 99	22.88	-1.20	21.68	0.147	30.00	-8.32
1720.00	20	16-QAM	1 / 50	22.19	-1.20	20.99	0.126	30.00	-9.01
1720.00	20	64-QAM	1 / 99	21.10	-1.20	19.90	0.098	30.00	-10.10

Table 7-72. EIRP Data (Band 4)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 300 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	22.72	-1.20	21.52	0.142	30.00	-8.48
1745.00	1.4	QPSK	1 / 0	22.68	-1.20	21.48	0.141	30.00	-8.52
1779.30	1.4	QPSK	1 / 5	23.00	-1.20	21.80	0.151	30.00	-8.20
1779.30	1.4	16-QAM	1 / 2	22.12	-1.20	20.92	0.124	30.00	-9.08
1779.30	1.4	64-QAM	1 / 0	21.09	-1.20	19.89	0.097	30.00	-10.11
1711.50	3	QPSK	1 / 14	22.85	-1.20	21.65	0.146	30.00	-8.35
1745.00	3	QPSK	1 / 7	22.82	-1.20	21.62	0.145	30.00	-8.38
1778.50	3	QPSK	1 / 14	23.00	-1.20	21.80	0.151	30.00	-8.20
1778.50	3	16-QAM	1 / 14	22.13	-1.20	20.93	0.124	30.00	-9.07
1778.50	3	64-QAM	1 / 7	21.20	-1.20	20.00	0.100	30.00	-10.00
1712.50	5	QPSK	1 / 24	23.00	-1.20	21.80	0.151	30.00	-8.20
1745.00	5	QPSK	1 / 24	22.98	-1.20	21.78	0.151	30.00	-8.22
1777.50	5	QPSK	1 / 24	22.91	-1.20	21.71	0.148	30.00	-8.29
1712.50	5	16-QAM	1 / 24	22.23	-1.20	21.03	0.127	30.00	-8.97
1712.50	5	64-QAM	1 / 12	21.22	-1.20	20.02	0.100	30.00	-9.98
1715.00	10	QPSK	1 / 49	23.00	-1.20	21.80	0.151	30.00	-8.20
1745.00	10	QPSK	1 / 49	22.76	-1.20	21.56	0.143	30.00	-8.44
1775.00	10	QPSK	1 / 49	22.83	-1.20	21.63	0.146	30.00	-8.37
1715.00	10	16-QAM	1 / 49	22.26	-1.20	21.06	0.128	30.00	-8.94
1715.00	10	64-QAM	1 / 49	21.25	-1.20	20.05	0.101	30.00	-9.95
1717.50	15	QPSK	1 / 36	23.00	-1.20	21.80	0.151	30.00	-8.20
1745.00	15	QPSK	1 / 36	22.71	-1.20	21.51	0.142	30.00	-8.49
1772.50	15	QPSK	1 / 36	22.79	-1.20	21.59	0.144	30.00	-8.41
1717.50	15	16-QAM	1 / 74	22.23	-1.20	21.03	0.127	30.00	-8.97
1717.50	15	64-QAM	1 / 74	21.13	-1.20	19.93	0.098	30.00	-10.07
1720.00	20	QPSK	1 / 99	23.00	-1.20	21.80	0.151	30.00	-8.20
1745.00	20	QPSK	1 / 99	22.61	-1.20	21.41	0.138	30.00	-8.59
1770.00	20	QPSK	1 / 0	22.89	-1.20	21.69	0.148	30.00	-8.31
1720.00	20	16-QAM	1 / 50	22.16	-1.20	20.96	0.125	30.00	-9.04
1720.00	20	64-QAM	1 / 50	21.02	-1.20	19.82	0.096	30.00	-10.18

Table 7-73. EIRP Data (Band 66)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 301 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	22.95	-0.30	22.65	0.184	33.01	-10.36
1880.00	1.4	QPSK	1 / 2	23.00	-0.30	22.70	0.186	33.01	-10.31
1909.30	1.4	QPSK	1 / 5	23.00	-0.30	22.70	0.186	33.01	-10.31
1880.00	1.4	16-QAM	1 / 0	22.38	-0.30	22.08	0.161	33.01	-10.93
1880.00	1.4	64-QAM	1 / 2	21.39	-0.30	21.09	0.129	33.01	-11.92
1851.50	3	QPSK	1 / 14	22.96	-0.30	22.66	0.185	33.01	-10.35
1880.00	3	QPSK	1 / 7	23.00	-0.30	22.70	0.186	33.01	-10.31
1908.50	3	QPSK	1 / 14	22.77	-0.30	22.47	0.177	33.01	-10.54
1880.00	3	16-QAM	1 / 0	22.28	-0.30	21.98	0.158	33.01	-11.03
1880.00	3	64-QAM	1 / 14	21.28	-0.30	20.98	0.125	33.01	-12.03
1852.50	5	QPSK	1 / 24	22.95	-0.30	22.65	0.184	33.01	-10.36
1880.00	5	QPSK	1 / 0	23.00	-0.30	22.70	0.186	33.01	-10.31
1907.50	5	QPSK	1 / 0	22.67	-0.30	22.37	0.173	33.01	-10.64
1880.00	5	16-QAM	1 / 0	22.15	-0.30	21.85	0.153	33.01	-11.16
1880.00	5	64-QAM	1 / 12	21.15	-0.30	20.85	0.122	33.01	-12.16
1855.00	10	QPSK	1 / 25	23.00	-0.30	22.70	0.186	33.01	-10.31
1880.00	10	QPSK	1 / 0	22.85	-0.30	22.55	0.180	33.01	-10.46
1905.00	10	QPSK	1 / 25	22.79	-0.30	22.49	0.177	33.01	-10.52
1855.00	10	16-QAM	1 / 25	22.11	-0.30	21.81	0.152	33.01	-11.20
1855.00	10	64-QAM	1 / 49	21.15	-0.30	20.85	0.122	33.01	-12.16
1857.50	15	QPSK	1 / 36	23.00	-0.30	22.70	0.186	33.01	-10.31
1880.00	15	QPSK	1 / 36	22.74	-0.30	22.44	0.175	33.01	-10.57
1902.50	15	QPSK	1 / 36	22.60	-0.30	22.30	0.170	33.01	-10.71
1857.50	15	16-QAM	1 / 36	22.16	-0.30	21.86	0.153	33.01	-11.15
1857.50	15	64-QAM	1 / 36	21.13	-0.30	20.83	0.121	33.01	-12.18
1860.00	20	QPSK	1 / 50	23.00	-0.30	22.70	0.186	33.01	-10.31
1880.00	20	QPSK	1 / 50	22.73	-0.30	22.43	0.175	33.01	-10.58
1900.00	20	QPSK	1 / 99	22.87	-0.30	22.57	0.181	33.01	-10.44
1860.00	20	16-QAM	1 / 50	22.34	-0.30	22.04	0.160	33.01	-10.97
1860.00	20	64-QAM	1 / 50	21.02	-0.30	20.72	0.118	33.01	-12.29

Table 7-74. EIRP Data (Band 2)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 302 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	22.70	-0.30	22.40	0.174	33.01	-10.61
1882.50	1.4	QPSK	1 / 0	22.73	-0.30	22.43	0.175	33.01	-10.58
1914.30	1.4	QPSK	1 / 5	23.00	-0.30	22.70	0.186	33.01	-10.31
1914.30	1.4	16-QAM	1 / 0	22.23	-0.30	21.93	0.156	33.01	-11.08
1914.30	1.4	64-QAM	1 / 0	21.16	-0.30	20.86	0.122	33.01	-12.15
1851.50	3	QPSK	1 / 14	22.95	-0.30	22.65	0.184	33.01	-10.36
1882.50	3	QPSK	1 / 0	22.93	-0.30	22.63	0.183	33.01	-10.38
1913.50	3	QPSK	1 / 7	22.96	-0.30	22.66	0.185	33.01	-10.35
1913.50	3	16-QAM	1 / 7	22.27	-0.30	21.97	0.157	33.01	-11.04
1913.50	3	64-QAM	1 / 14	21.42	-0.30	21.12	0.129	33.01	-11.89
1852.50	5	QPSK	1 / 24	23.00	-0.30	22.70	0.186	33.01	-10.31
1882.50	5	QPSK	1 / 0	23.00	-0.30	22.70	0.186	33.01	-10.31
1912.50	5	QPSK	1 / 24	22.91	-0.30	22.61	0.182	33.01	-10.40
1852.50	5	16-QAM	1 / 24	22.30	-0.30	22.00	0.158	33.01	-11.01
1852.50	5	64-QAM	1 / 24	21.16	-0.30	20.86	0.122	33.01	-12.15
1855.00	10	QPSK	1 / 25	23.00	-0.30	22.70	0.186	33.01	-10.31
1882.50	10	QPSK	1 / 0	22.82	-0.30	22.52	0.179	33.01	-10.49
1910.00	10	QPSK	1 / 49	22.89	-0.30	22.59	0.182	33.01	-10.42
1855.00	10	16-QAM	1 / 25	22.21	-0.30	21.91	0.155	33.01	-11.10
1855.00	10	64-QAM	1 / 49	21.29	-0.30	20.99	0.126	33.01	-12.02
1857.50	15	QPSK	1 / 36	23.00	-0.30	22.70	0.186	33.01	-10.31
1882.50	15	QPSK	1 / 36	22.68	-0.30	22.38	0.173	33.01	-10.63
1907.50	15	QPSK	1 / 74	22.70	-0.30	22.40	0.174	33.01	-10.61
1857.50	15	16-QAM	1 / 36	22.06	-0.30	21.76	0.150	33.01	-11.25
1857.50	15	64-QAM	1 / 36	21.24	-0.30	20.94	0.124	33.01	-12.07
1860.00	20	QPSK	1 / 50	22.88	-0.30	22.58	0.181	33.01	-10.43
1882.50	20	QPSK	1 / 0	22.57	-0.30	22.27	0.169	33.01	-10.74
1905.00	20	QPSK	1 / 99	23.00	-0.30	22.70	0.186	33.01	-10.31
1905.00	20	16-QAM	1 / 99	22.14	-0.30	21.84	0.153	33.01	-11.17
1905.00	20	64-QAM	1 / 99	21.12	-0.30	20.82	0.121	33.01	-12.19

Table 7-75. EIRP Data (Band 25)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 303 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 0	22.48	0.40	22.88	0.194	23.98	-1.10
2312.50	5	QPSK	1 / 24	22.48	0.40	22.88	0.194	23.98	-1.10
2307.50	5	16-QAM	1 / 0	21.56	0.40	21.96	0.157	23.98	-2.02
2307.50	5	64-QAM	1 / 0	20.58	0.40	20.98	0.125	23.98	-3.00
2310.00	10	QPSK	1 / 0	22.31	0.40	22.71	0.187	23.98	-1.27
2310.00	10	16-QAM	1 / 0	21.39	0.40	21.79	0.151	23.98	-2.19
2310.00	10	64-QAM	1 / 0	20.61	0.40	21.01	0.126	23.98	-2.97

Table 7-76. EIRP Data (Band 30)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 304 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 0	23.00	0.50	23.50	0.224	33.01	-9.51
2535.00	5	QPSK	1 / 24	22.83	0.50	23.33	0.215	33.01	-9.68
2567.50	5	QPSK	1 / 24	22.66	0.50	23.16	0.207	33.01	-9.85
2502.50	5	16-QAM	1 / 0	22.08	0.50	22.58	0.181	33.01	-10.43
2502.50	5	64-QAM	1 / 0	20.97	0.50	21.47	0.140	33.01	-11.54
2505.00	10	QPSK	1 / 0	23.00	0.50	23.50	0.224	33.01	-9.51
2535.00	10	QPSK	1 / 49	22.72	0.50	23.22	0.210	33.01	-9.79
2565.00	10	QPSK	1 / 49	22.56	0.50	23.06	0.202	33.01	-9.95
2505.00	10	16-QAM	1 / 49	21.91	0.50	22.41	0.174	33.01	-10.60
2505.00	10	64-QAM	1 / 49	20.98	0.50	21.48	0.141	33.01	-11.53
2507.50	15	QPSK	1 / 74	23.00	0.50	23.50	0.224	33.01	-9.51
2535.00	15	QPSK	1 / 74	22.75	0.50	23.25	0.211	33.01	-9.76
2562.50	15	QPSK	1 / 74	22.51	0.50	23.01	0.200	33.01	-10.00
2507.50	15	16-QAM	1 / 36	22.13	0.50	22.63	0.183	33.01	-10.38
2507.50	15	64-QAM	1 / 74	21.15	0.50	21.65	0.146	33.01	-11.36
2510.00	20	QPSK	1 / 50	23.00	0.50	23.50	0.224	33.01	-9.51
2535.00	20	QPSK	1 / 99	22.76	0.50	23.26	0.212	33.01	-9.75
2560.00	20	QPSK	1 / 99	22.52	0.50	23.02	0.200	33.01	-9.99
2510.00	20	16-QAM	1 / 99	22.09	0.50	22.59	0.182	33.01	-10.42
2510.00	20	64-QAM	1 / 50	21.13	0.50	21.63	0.146	33.01	-11.38

Table 7-77. EIRP Data (Band 7)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 305 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 0	23.47	0.50	23.97	0.249	33.01	-9.04
2502.50	5	QPSK	1 / 0	23.48	0.50	23.98	0.250	33.01	-9.03
2593.00	5	QPSK	1 / 24	25.40	0.50	25.90	0.389	33.01	-7.11
2687.50	5	QPSK	1 / 0	25.28	0.50	25.78	0.378	33.01	-7.23
2593.00	5	16-QAM	1 / 24	24.94	0.50	25.44	0.350	33.01	-7.57
2593.00	5	64-QAM	1 / 12	23.91	0.50	24.41	0.276	33.01	-8.60
2501.00	10	QPSK	1 / 0	23.50	0.50	24.00	0.251	33.01	-9.01
2505.00	10	QPSK	1 / 0	23.47	0.50	23.97	0.249	33.01	-9.04
2593.00	10	QPSK	1 / 49	25.45	0.50	25.95	0.394	33.01	-7.06
2685.00	10	QPSK	1 / 49	25.37	0.50	25.87	0.386	33.01	-7.14
2593.00	10	16-QAM	1 / 0	24.78	0.50	25.28	0.337	33.01	-7.73
2593.00	10	64-QAM	1 / 49	23.83	0.50	24.33	0.271	33.01	-8.68
2503.50	15	QPSK	1 / 0	23.48	0.50	23.98	0.250	33.01	-9.03
2507.50	15	QPSK	1 / 0	23.43	0.50	23.93	0.247	33.01	-9.08
2593.00	15	QPSK	1 / 0	25.49	0.50	25.99	0.397	33.01	-7.02
2682.50	15	QPSK	1 / 74	25.31	0.50	25.81	0.381	33.01	-7.20
2593.00	15	16-QAM	1 / 0	24.60	0.50	25.10	0.324	33.01	-7.91
2593.00	15	64-QAM	1 / 74	23.76	0.50	24.26	0.267	33.01	-8.75
2506.00	20	QPSK	1 / 99	23.42	0.50	23.92	0.247	33.01	-9.09
2510.00	20	QPSK	1 / 0	23.44	0.50	23.94	0.248	33.01	-9.07
2593.00	20	QPSK	1 / 0	25.49	0.50	25.99	0.397	33.01	-7.02
2680.00	20	QPSK	1 / 99	25.34	0.50	25.84	0.384	33.01	-7.17
2593.00	20	16-QAM	1 / 50	24.89	0.50	25.39	0.346	33.01	-7.62
2593.00	20	64-QAM	1 / 99	24.13	0.50	24.63	0.290	33.01	-8.38

Table 7-78. EIRP Data (Band 41 PC2)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 306 of 421

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 0	22.50	0.50	23.00	0.200	33.01	-10.01
2593.00	5	QPSK	1 / 24	22.45	0.50	22.95	0.197	33.01	-10.06
2687.50	5	QPSK	1 / 0	22.33	0.50	22.83	0.192	33.01	-10.18
2593.00	5	16-QAM	1 / 24	21.99	0.50	22.49	0.177	33.01	-10.52
2593.00	5	64-QAM	1 / 12	20.96	0.50	21.46	0.140	33.01	-11.55
2501.00	10	QPSK	1 / 0	22.50	0.50	23.00	0.200	33.01	-10.01
2593.00	10	QPSK	1 / 49	22.50	0.50	23.00	0.200	33.01	-10.01
2685.00	10	QPSK	1 / 49	22.42	0.50	22.92	0.196	33.01	-10.09
2593.00	10	16-QAM	1 / 0	21.83	0.50	22.33	0.171	33.01	-10.68
2593.00	10	64-QAM	1 / 49	20.88	0.50	21.38	0.137	33.01	-11.63
2503.50	15	QPSK	1 / 0	22.50	0.50	23.00	0.200	33.01	-10.01
2593.00	15	QPSK	1 / 36	22.50	0.50	23.00	0.200	33.01	-10.01
2682.50	15	QPSK	1 / 74	22.36	0.50	22.86	0.193	33.01	-10.15
2593.00	15	16-QAM	1 / 0	21.65	0.50	22.15	0.164	33.01	-10.86
2593.00	15	64-QAM	1 / 74	20.81	0.50	21.31	0.135	33.01	-11.70
2506.00	20	QPSK	1 / 99	22.45	0.50	22.95	0.197	33.01	-10.06
2593.00	20	QPSK	1 / 0	22.50	0.50	23.00	0.200	33.01	-10.01
2680.00	20	QPSK	1 / 99	22.39	0.50	22.89	0.195	33.01	-10.12
2593.00	20	16-QAM	1 / 50	21.94	0.50	22.44	0.175	33.01	-10.57
2593.00	20	64-QAM	1 / 99	21.18	0.50	21.68	0.147	33.01	-11.33

Table 7-79. EIRP Data (Band 41 PC3)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 307 of 421

7.9 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

ANSI/TIA-603-E-2016 – Section 2.2.12

Test Settings

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

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Test Setup

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

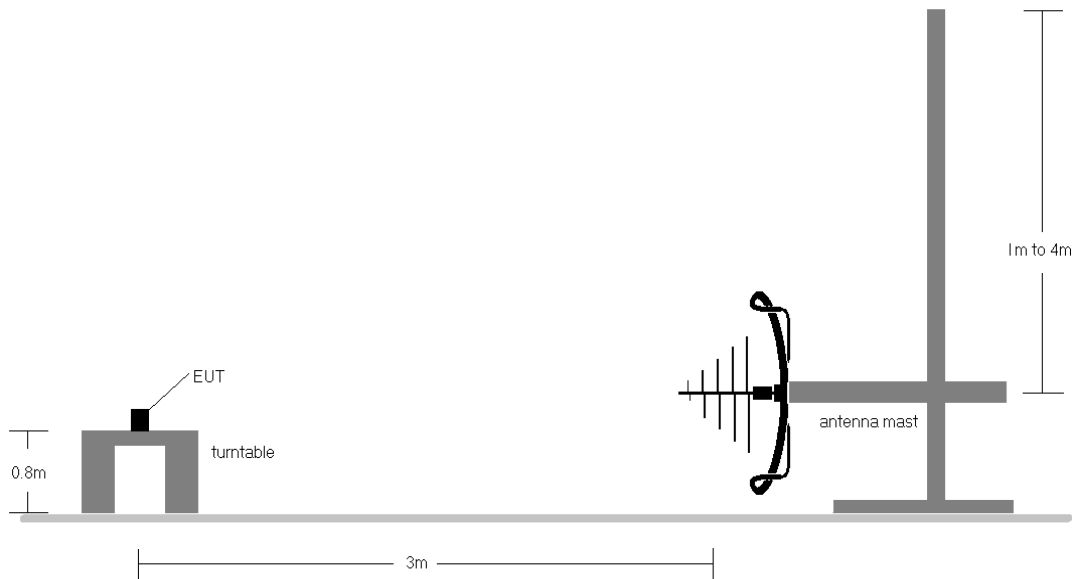


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

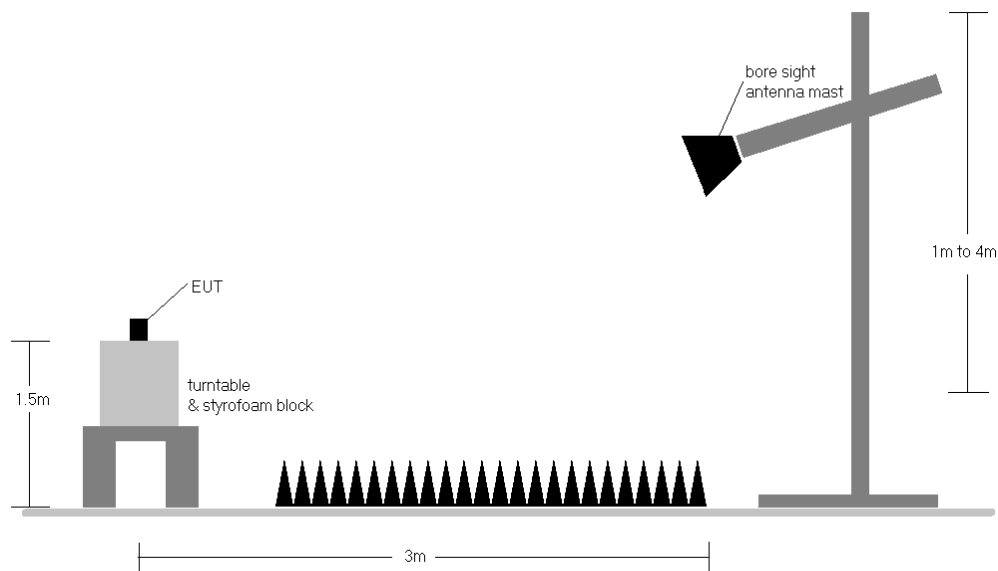


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

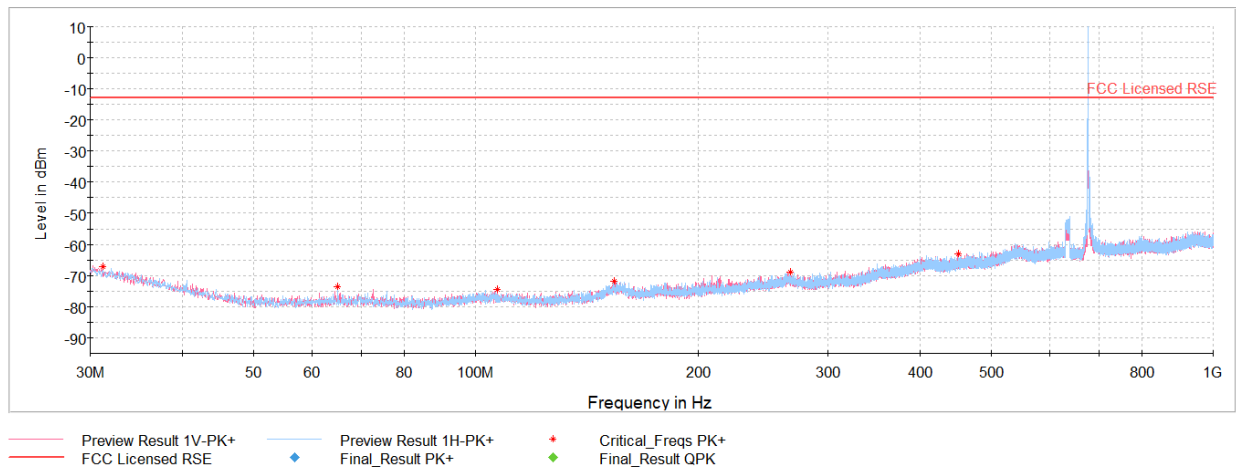
FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 309 of 421

Test Notes

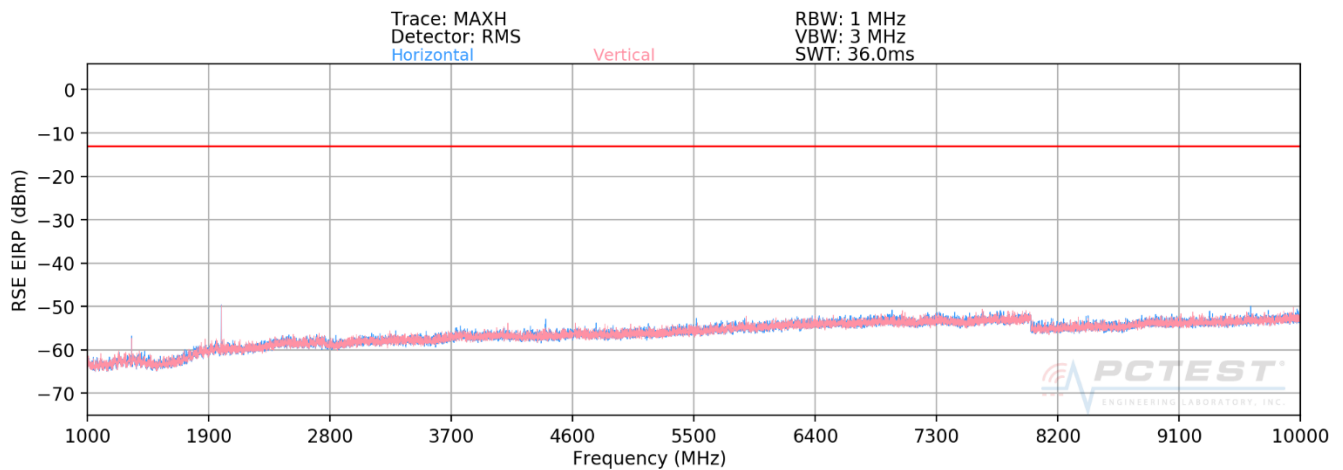
- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 4) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 5) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 6) Below 1GHz pre-scan plot shows no significant emissions.

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.9.1 ANT 3 (Port-A) Radiated Spurious Emissions Measurements Band 71



Plot 7-448. Radiated Spurious Plot below 1GHz (Band 71)



Plot 7-449. Radiated Spurious Plot above 1GHz (Band 71)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 311 of 421

OPERATING FREQUENCY: 673.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1346.00	H	240	174	-67.69	3.46	-64.22	-51.2
2019.00	H	161	104	-66.79	4.27	-62.52	-49.5
2692.00	V	-	-	-70.21	6.52	-63.68	-50.7
3365.00	V	-	-	-71.43	8.00	-63.43	-50.4
4038.00	V	-	-	-71.16	9.10	-62.06	-49.1

Table 7-80. Radiated Spurious Data (Band 71 – Low Channel)

OPERATING FREQUENCY: 680.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1361.00	H	121	100	-68.44	3.40	-65.04	-52.0
2041.50	V	217	227	-66.37	4.53	-61.84	-48.8
2722.00	V	-	-	-70.15	6.61	-63.54	-50.5
3402.50	V	-	-	-71.67	8.11	-63.56	-50.6
4083.00	V	-	-	-71.39	8.98	-62.41	-49.4

Table 7-81. Radiated Spurious Data (Band 71 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 312 of 421



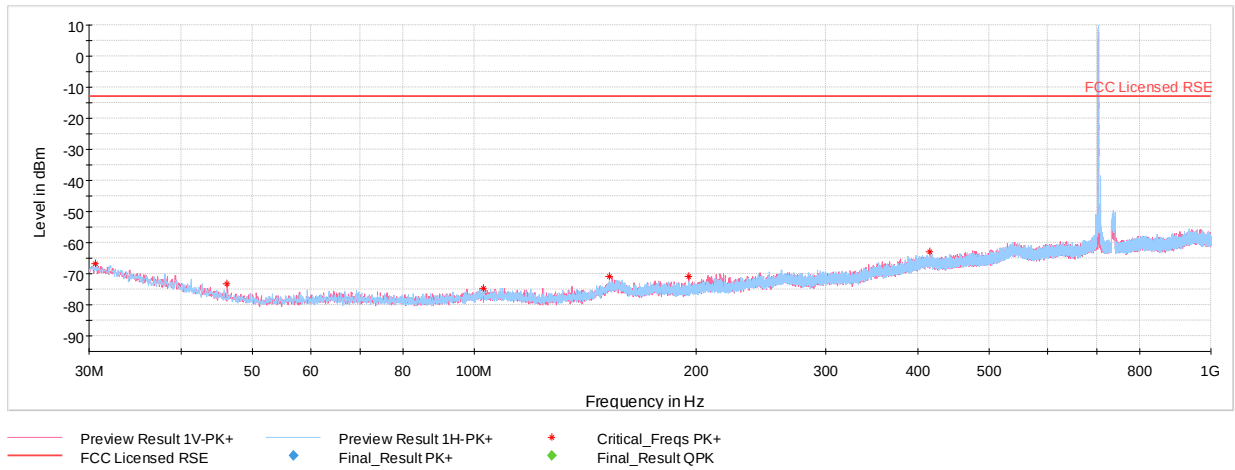
OPERATING FREQUENCY: 688.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1376.00	V	-	-	-71.04	3.71	-67.33	-54.3
2064.00	V	185	244	-67.61	4.58	-63.03	-50.0
2752.00	V	-	-	-70.42	6.67	-63.74	-50.7
3440.00	V	-	-	-71.45	8.12	-63.33	-50.3
4128.00	V	-	-	-71.39	8.98	-62.40	-49.4

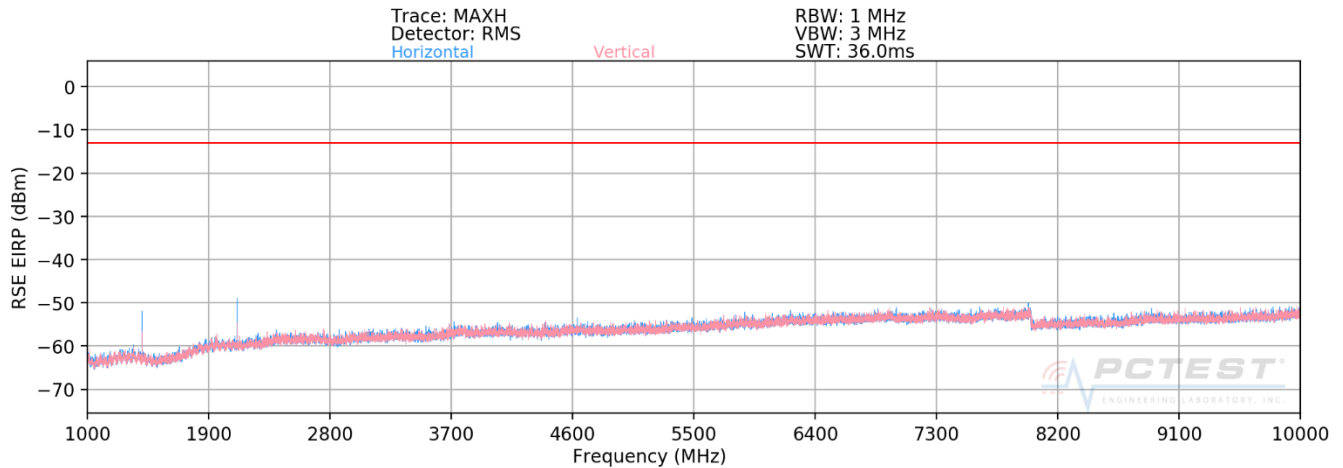
Table 7-82. Radiated Spurious Data (Band 71 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 313 of 421

Band 12/17



Plot 7-450. Radiated Spurious Plot below 1GHz (Band 12/17)



Plot 7-451. Radiated Spurious Plot above 1GHz (Band 12/17)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 314 of 421

OPERATING FREQUENCY: 704.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1408.00	H	199	174	-68.43	4.35	-64.08	-51.1
2112.00	V	-	-	-69.84	5.05	-64.78	-51.8
2816.00	V	-	-	-71.32	6.90	-64.43	-51.4
3520.00	V	-	-	-71.40	8.03	-63.36	-50.4

Table 7-83. Radiated Spurious Data (Band 12 – Low Channel)

OPERATING FREQUENCY: 707.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1415.00	H	206	178	-65.23	4.42	-60.81	-47.8
2122.50	H	144	139	-65.54	5.22	-60.32	-47.3
2830.00	H	-	-	-71.73	7.01	-64.72	-51.7
3537.50	H	-	-	-71.02	8.00	-63.02	-50.0
4245.00	H	-	-	-71.40	9.21	-62.19	-49.2

Table 7-84. Radiated Spurious Data (Band 12 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 315 of 421



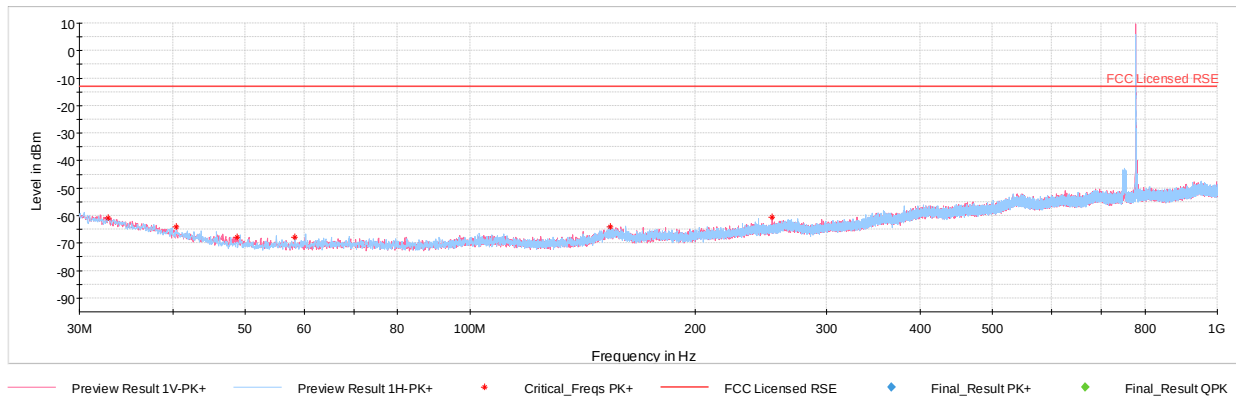
OPERATING FREQUENCY: 711.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 10.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1422.00	H	210	173	-67.28	4.50	-62.78	-49.8
2133.00	H	104	193	-62.56	5.34	-57.22	-44.2
2844.00	V	-	-	-71.60	7.06	-64.54	-51.5
3555.00	V	-	-	-70.90	7.98	-62.92	-49.9
4266.00	V	-	-	-71.45	9.23	-62.22	-49.2

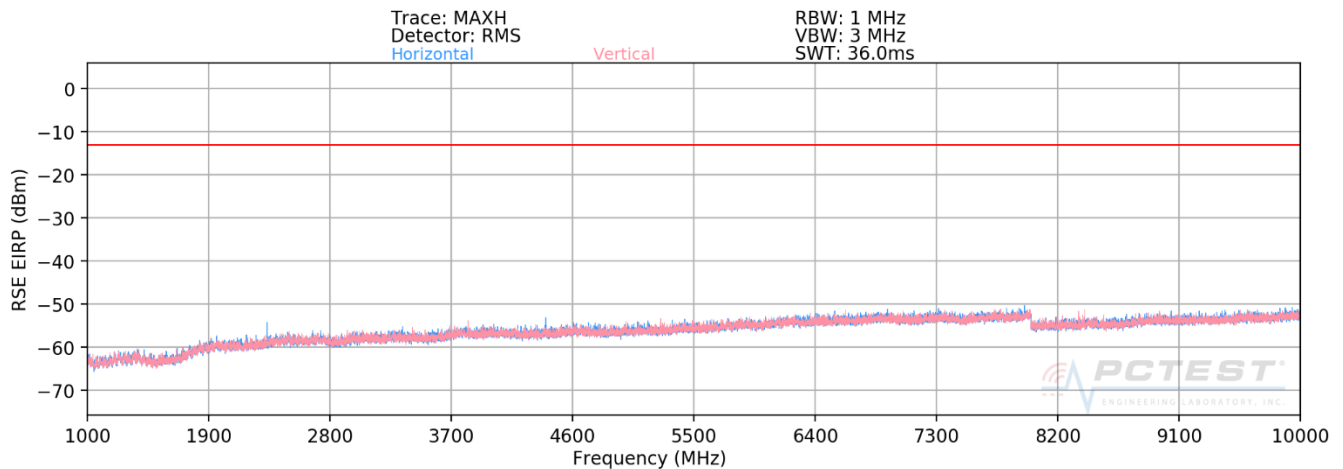
Table 7-85. Radiated Spurious Data (Band 12/17 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 316 of 421

Band 13



Plot 7-452. Radiated Spurious Plot below 1GHz (Band 13)



Plot 7-453. Radiated Spurious Plot above 1GHz (Band 13)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 317 of 421

OPERATING FREQUENCY: 779.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2338.50	V	-	-	-70.55	6.21	-64.35	-51.3
3118.00	V	-	-	-71.16	7.46	-63.71	-50.7
3897.50	V	-	-	-71.42	8.89	-62.53	-49.5

Table 7-86. Radiated Spurious Data (Band 13 – Low Channel)

OPERATING FREQUENCY: 782.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2346.00	V	205	94	-64.77	6.22	-58.54	-45.5
3128.00	V	-	-	-71.16	7.50	-63.66	-50.7
3910.00	V	-	-	-71.05	8.92	-62.13	-49.1
4692.00	V	-	-	-71.81	9.87	-61.94	-48.9

Table 7-87. Radiated Spurious Data (Band 13 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 318 of 421

OPERATING FREQUENCY: 784.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2353.50	V	-	-	-69.52	6.22	-63.31	-50.3
3138.00	V	-	-	-71.21	7.54	-63.67	-50.7
3922.50	V	-	-	-71.44	8.95	-62.49	-49.5

Table 7-88. Radiated Spurious Data (Band 13 – High Channel)

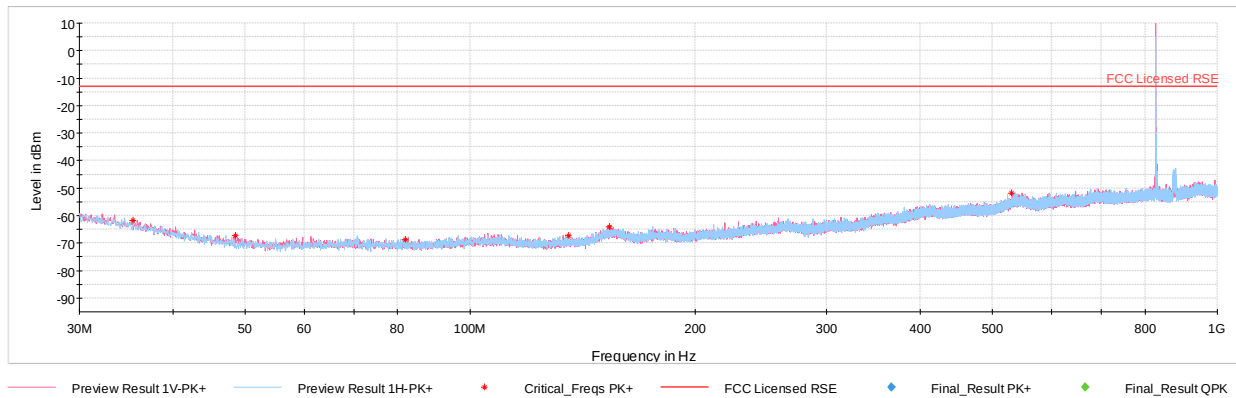
MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.00 MHz
 DISTANCE: 3 meters
 NARROWBAND EMISSION LIMIT: -50 dBm
 WIDEBAND EMISSION LIMIT: -40 dBm/MHz

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1559.00	H	145	178	-72.37	5.80	-66.57	-26.6
1564.00	V	158	177	-72.34	5.82	-66.53	-26.5
1569.00	H	247	178	-71.25	5.82	-65.43	-25.4

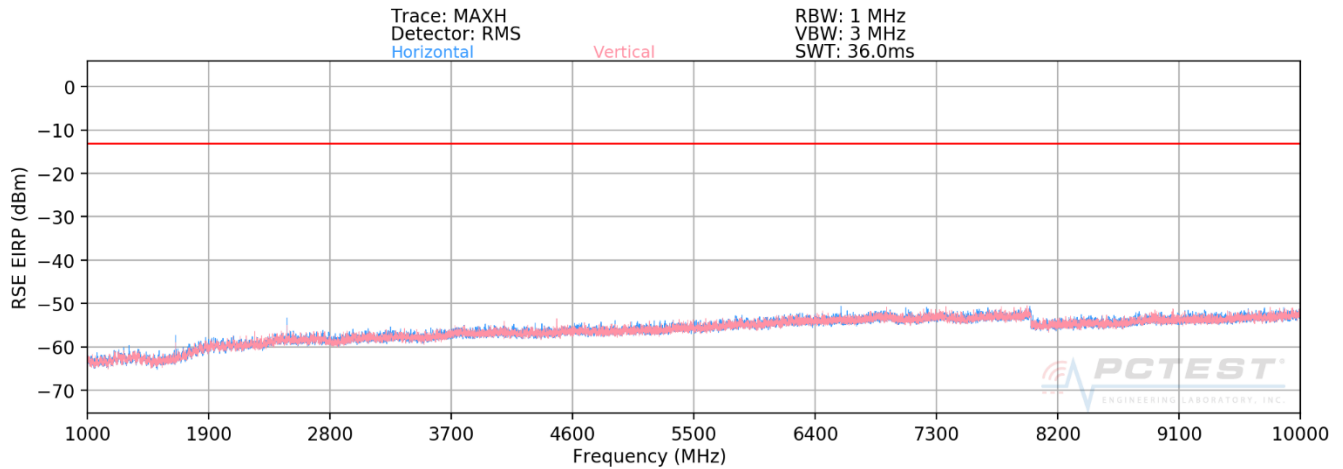
Table 7-89. Radiated Spurious Data (Band 13 – 1559-1610MHz Band)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 319 of 421

Band 26/5



Plot 7-454. Radiated Spurious Plot below 1GHz (Band 26/5)



Plot 7-455. Radiated Spurious Plot above 1GHz (Band 26/5)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 320 of 421

OPERATING FREQUENCY: 829.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	V	150	118	-70.01	5.55	-64.46	-51.5
2487.00	V	112	115	-68.91	5.92	-62.99	-50.0
3316.00	V	-	-	-70.66	7.89	-62.76	-49.8
4145.00	V	-	-	-71.38	9.06	-62.32	-49.3
4974.00	V	-	-	-71.32	9.99	-61.33	-48.3

Table 7-90. Radiated Spurious Data (Band 26/5 – Low Channel)

OPERATING FREQUENCY: 836.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.00	V	153	124	-69.54	5.60	-63.94	-50.9
2509.50	V	176	128	-67.71	5.91	-61.81	-48.8
3346.00	V	-	-	-70.69	7.94	-62.75	-49.8
4182.50	V	-	-	-70.82	9.12	-61.70	-48.7
5019.00	V	-	-	-71.20	10.00	-61.20	-48.2

Table 7-91. Radiated Spurious Data (Band 26/5 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 321 of 421

OPERATING FREQUENCY: 844.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

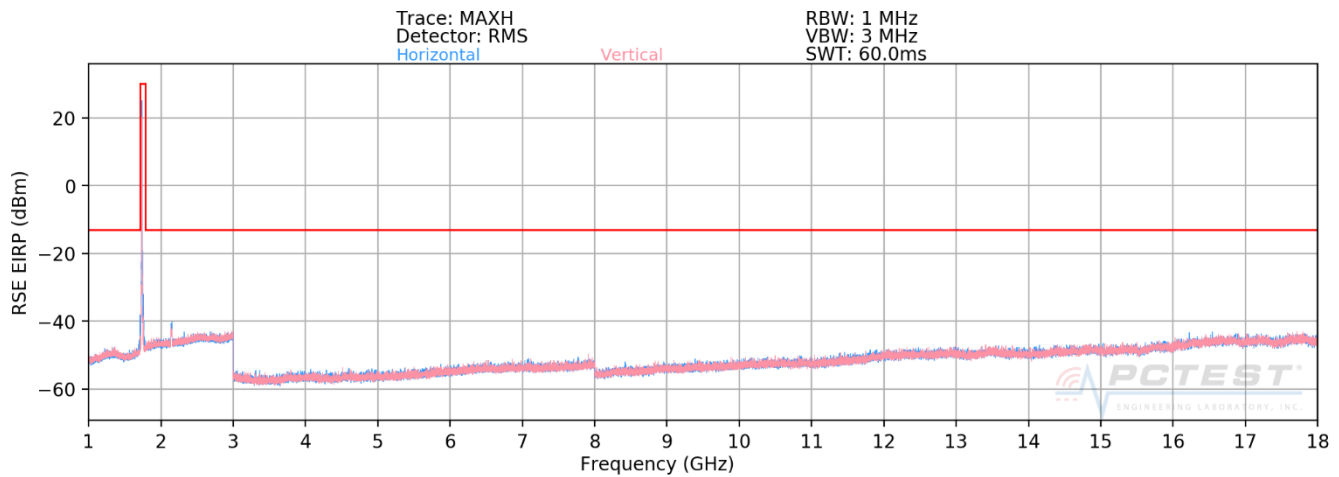
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	V	129	129	-71.12	5.61	-65.51	-52.5
2532.00	V	119	194	-69.71	5.93	-63.79	-50.8
3376.00	V	-	-	-71.17	8.01	-63.16	-50.2
4220.00	V	-	-	-71.61	9.18	-62.43	-49.4
5064.00	V	-	-	-71.38	10.05	-61.33	-48.3

Table 7-92. Radiated Spurious Data (Band 26/5 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 322 of 421

7.9.2 ANT 4b (Port-A) Radiated Spurious Emissions Measurements

Band 66/4



Plot 7-456. Radiated Spurious Plot above 1GHz (Band 66/4)

OPERATING FREQUENCY: 1720.00 MHz

MODULATION SIGNAL: QPSK

BANDWIDTH: 20.0 MHz

DISTANCE: 3 meters

LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	V	-	-	-70.39	8.12	-62.27	-49.3
5160.00	V	-	-	-71.61	10.14	-61.47	-48.5
6880.00	V	-	-	-70.89	11.38	-59.51	-46.5

Table 7-93. Radiated Spurious Data (Band 66 – Low Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 323 of 421

OPERATING FREQUENCY: 1745.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	V	-	-	-70.63	8.09	-62.54	-49.5
5235.00	V	-	-	-71.65	10.26	-61.39	-48.4
6980.00	V	-	-	-70.83	11.47	-59.37	-46.4

Table 7-94. Radiated Spurious Data (Band 66 – Mid Channel)

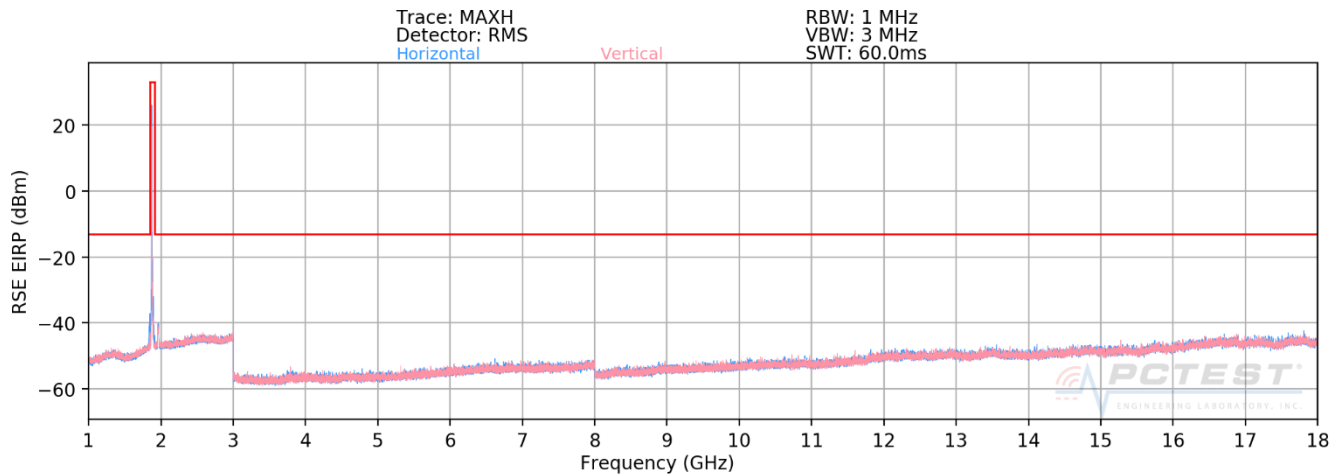
OPERATING FREQUENCY: 1770.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	V	-	-	-70.33	7.99	-62.34	-49.3
5310.00	V	-	-	-71.71	10.28	-61.43	-48.4
7080.00	V	-	-	-71.10	11.58	-59.53	-46.5

Table 7-95. Radiated Spurious Data (Band 66/4 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 324 of 421

Band 25/2



Plot 7-457. Radiated Spurious Plot above 1GHz (Band 25/2)

OPERATING FREQUENCY: 1860.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	V	-	-	-70.37	8.43	-61.94	-48.9
5580.00	V	-	-	-71.70	10.72	-60.98	-48.0
7440.00	V	-	-	-71.39	11.90	-59.49	-46.5

Table 7-96. Radiated Spurious Data (Band 25 – Low Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 325 of 421

OPERATING FREQUENCY: 1882.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-70.24	8.48	-61.76	-48.8
5647.50	H	-	-	-71.33	10.69	-60.64	-47.6
7530.00	H	-	-	-71.34	11.99	-59.36	-46.4

Table 7-97. Radiated Spurious Data (Band 25 – Mid Channel)

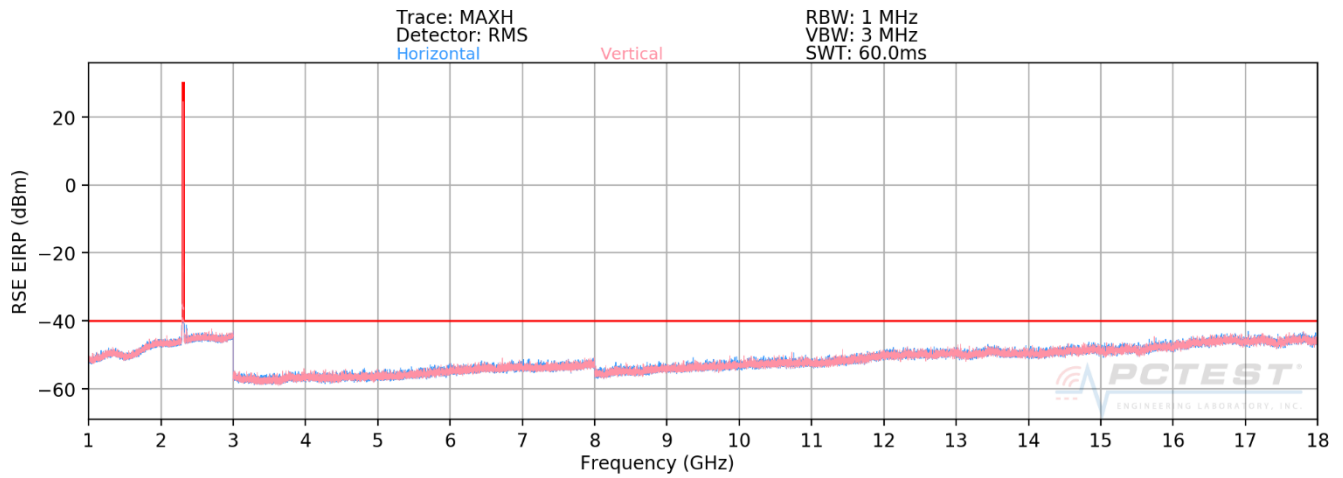
OPERATING FREQUENCY: 1905.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-69.96	8.59	-61.36	-48.4
5715.00	H	-	-	-71.51	10.66	-60.85	-47.8
7620.00	H	-	-	-71.38	12.16	-59.22	-46.2

Table 7-98. Radiated Spurious Data (Band 25/2 – High Channel)

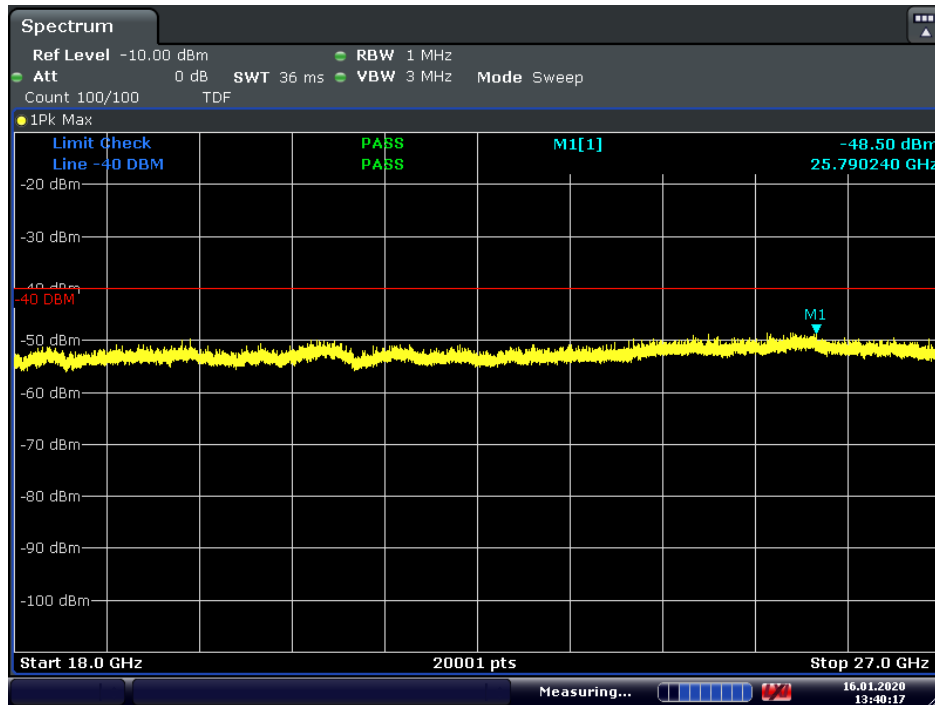
FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 326 of 421

Band 30

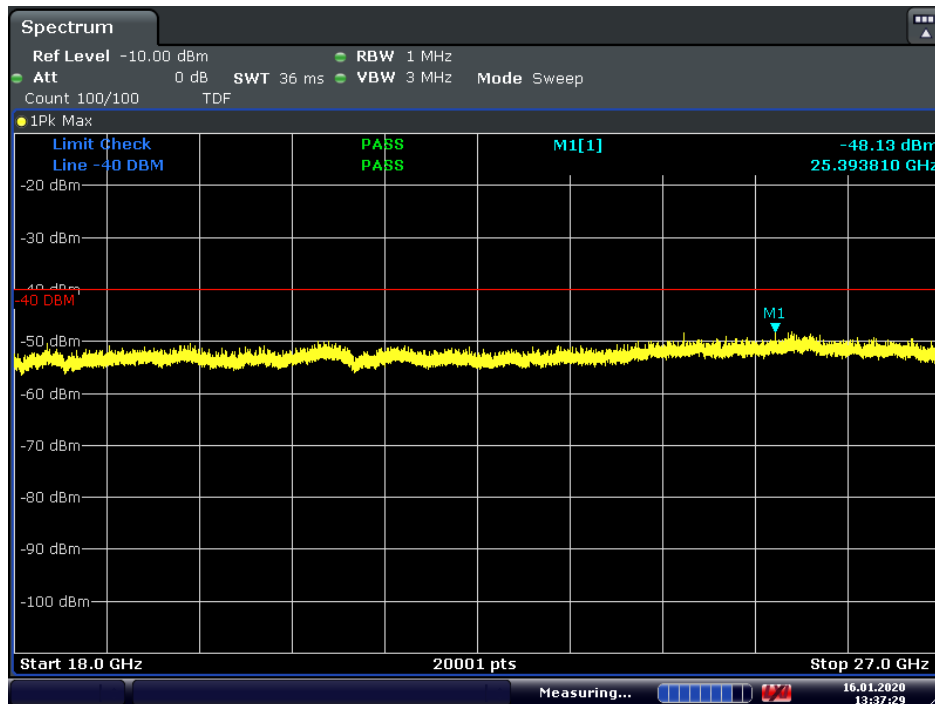


Plot 7-458. Radiated Spurious Plot 1GHz - 18GHz (Band 30)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 327 of 421



Plot 7-459. Radiated Spurious Plot 18GHz – 27GHz H (Band 30)



Plot 7-460. Radiated Spurious Plot 18GHz – 27GHz V (Band 30)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 328 of 421

OPERATING FREQUENCY: 2307.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	V	-	-	-71.61	9.49	-62.12	-22.1
6922.50	V	-	-	-69.82	11.40	-58.41	-18.4
9230.00	V	-	-	-70.63	13.29	-57.34	-17.3

Table 7-99. Radiated Spurious Data (Band 30 – Low Channel)

OPERATING FREQUENCY: 2310.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	V	131	199	-71.28	9.51	-61.76	-21.8
6930.00	V	114	186	-69.37	11.41	-57.96	-18.0
9240.00	V	-	-	-71.16	13.30	-57.86	-17.9
11550.00	V	-	-	-67.33	13.25	-54.08	-14.1
13860.00	V	-	-	-67.30	14.42	-52.88	-12.9

Table 7-100. Radiated Spurious Data (Band 30 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 329 of 421

OPERATING FREQUENCY: 2312.50 MHz

MODULATION SIGNAL: QPSK

BANDWIDTH: 5.0 MHz

DISTANCE: 3 meters

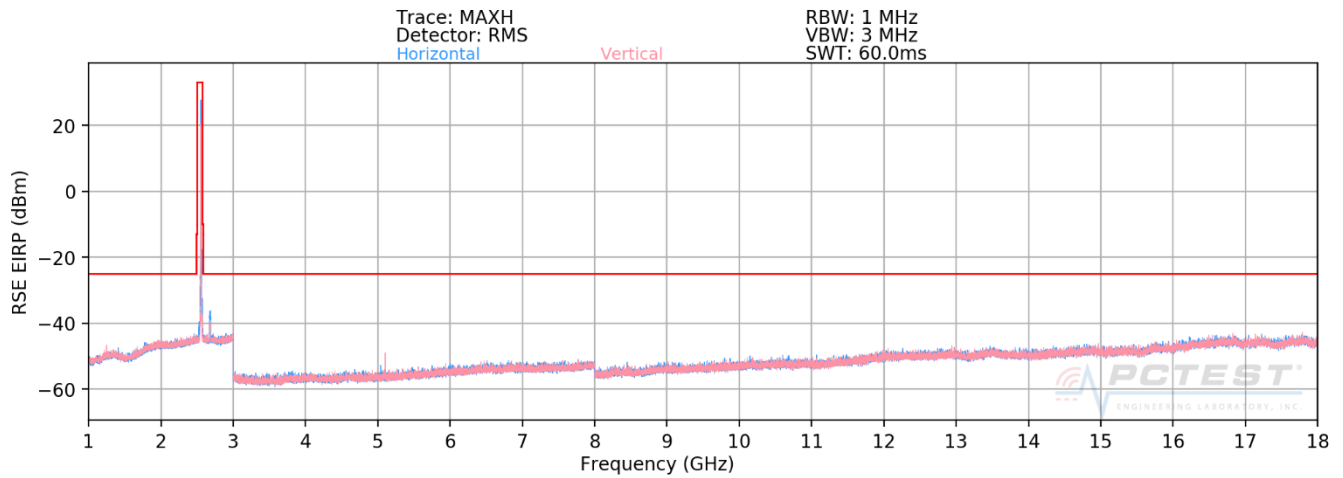
LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	V	211	74	-71.53	9.54	-61.99	-22.0
6937.50	V	-	-	-70.01	11.41	-58.59	-18.6
9250.00	V	-	-	-71.14	13.31	-57.84	-17.8
11562.50	V	-	-	-67.17	13.24	-53.92	-13.9

Table 7-101. Radiated Spurious Data (Band 30 – High Channel)

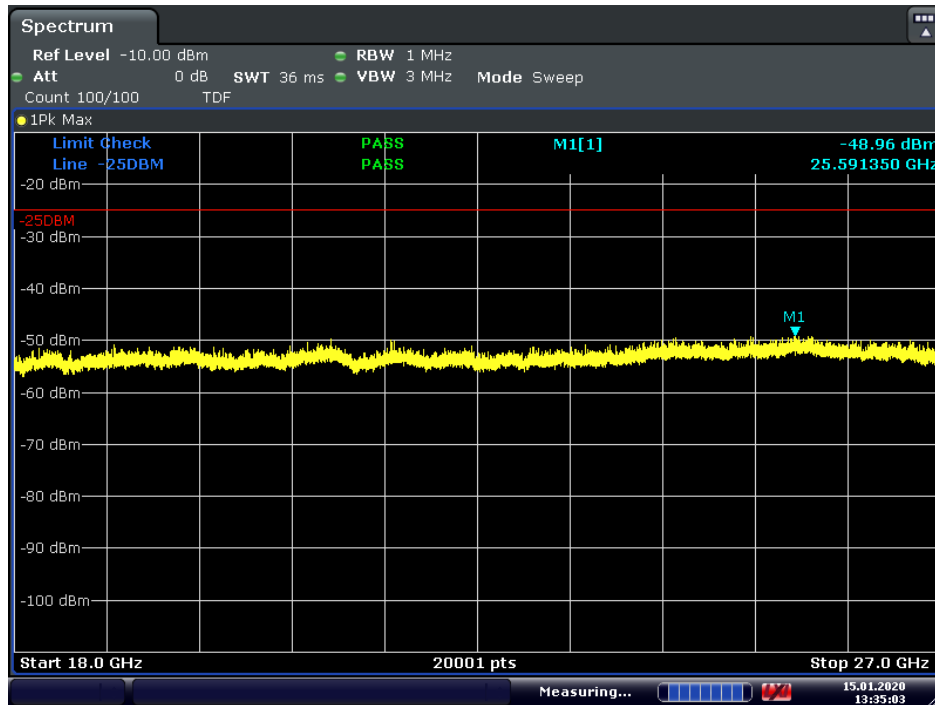
FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 330 of 421

Band 7

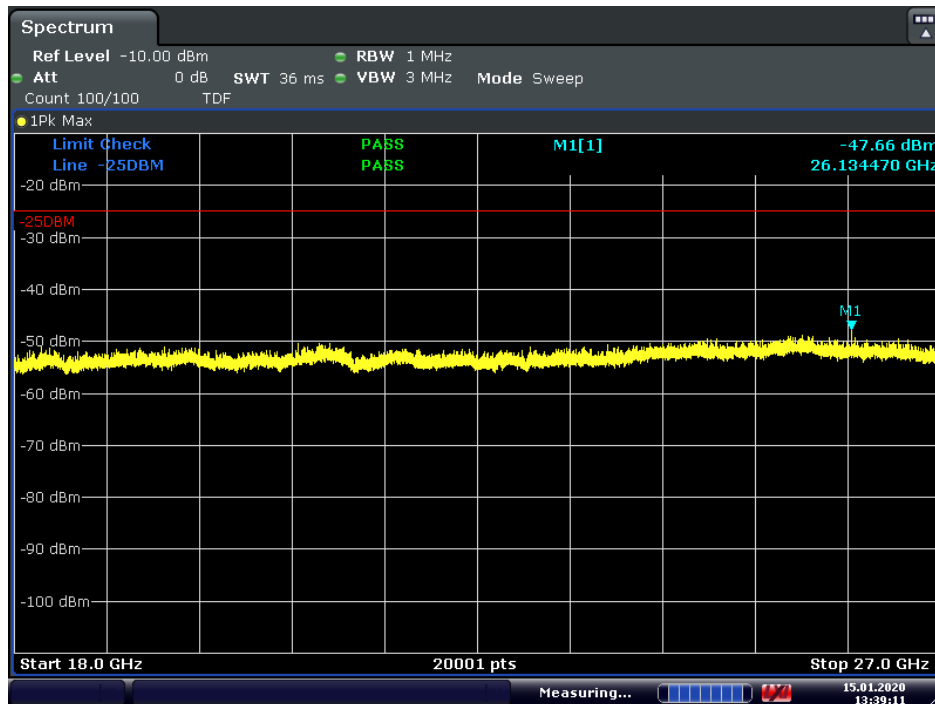


Plot 7-461. Radiated Spurious Plot 1GHz - 18GHz (Band 7)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 331 of 421



Plot 7-462. Radiated Spurious Plot 18GHz – 27GHz H (Band 7)



Plot 7-463. Radiated Spurious Plot 18GHz – 27GHz V (Band 7)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 332 of 421

OPERATING FREQUENCY: 2510.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	284	129	-68.87	10.00	-58.87	-33.9
7530.00	V	-	-	-71.13	11.99	-59.15	-34.1
10040.00	V	-	-	-71.21	13.11	-58.09	-33.1
12550.00	V	-	-	-68.19	13.13	-55.06	-30.1

Table 7-102. Radiated Spurious Data (Band 7 – Low Channel)

OPERATING FREQUENCY: 2535.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	298	132	-65.86	10.07	-55.79	-30.8
7605.00	V	-	-	-71.58	12.15	-59.43	-34.4
10140.00	V	-	-	-70.70	13.10	-57.60	-32.6
12675.00	V	-	-	-68.21	13.15	-55.06	-30.1

Table 7-103. Radiated Spurious Data (Band 7 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 333 of 421

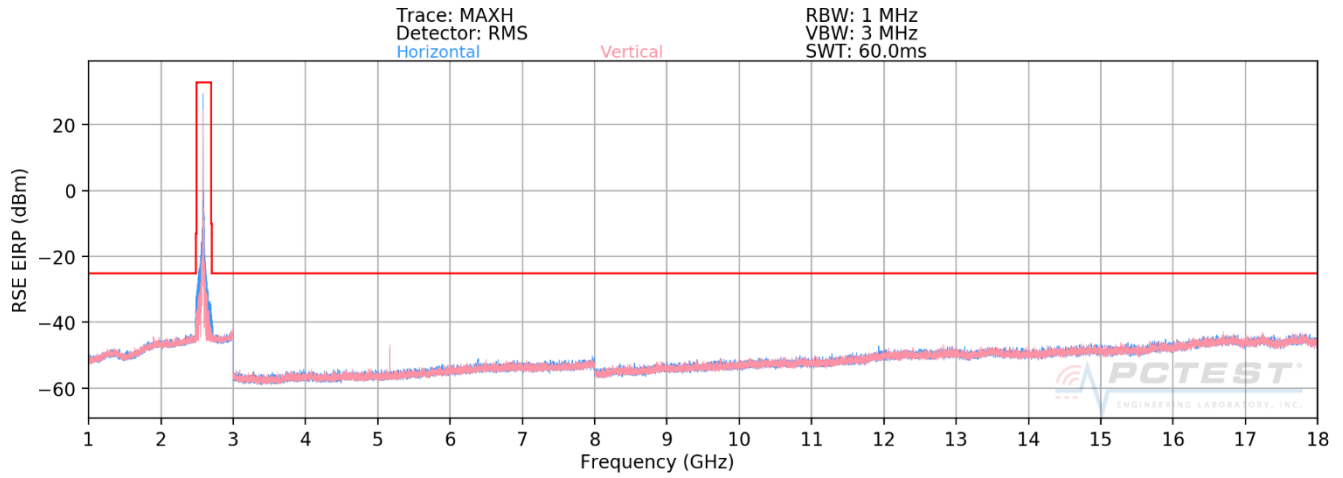
OPERATING FREQUENCY: 2560.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	307	131	-64.90	10.10	-54.80	-29.8
7680.00	V	-	-	-71.38	12.15	-59.23	-34.2
10240.00	V	-	-	-70.95	13.10	-57.84	-32.8
12800.00	V	-	-	-68.48	13.17	-55.31	-30.3

Table 7-104. Radiated Spurious Data (Band 7 – High Channel)

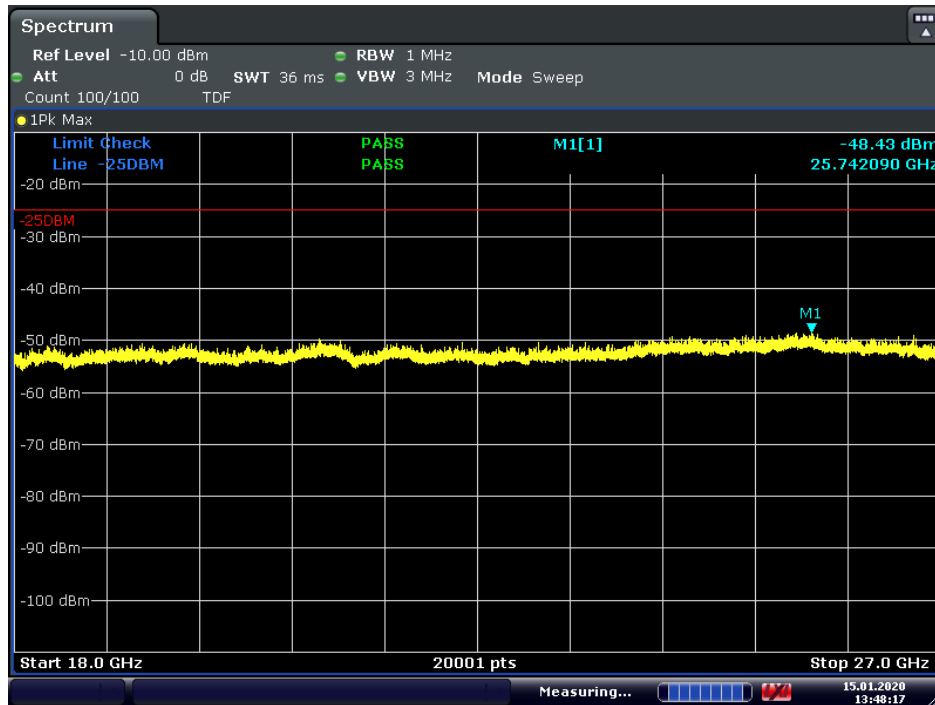
FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 334 of 421

Band 41

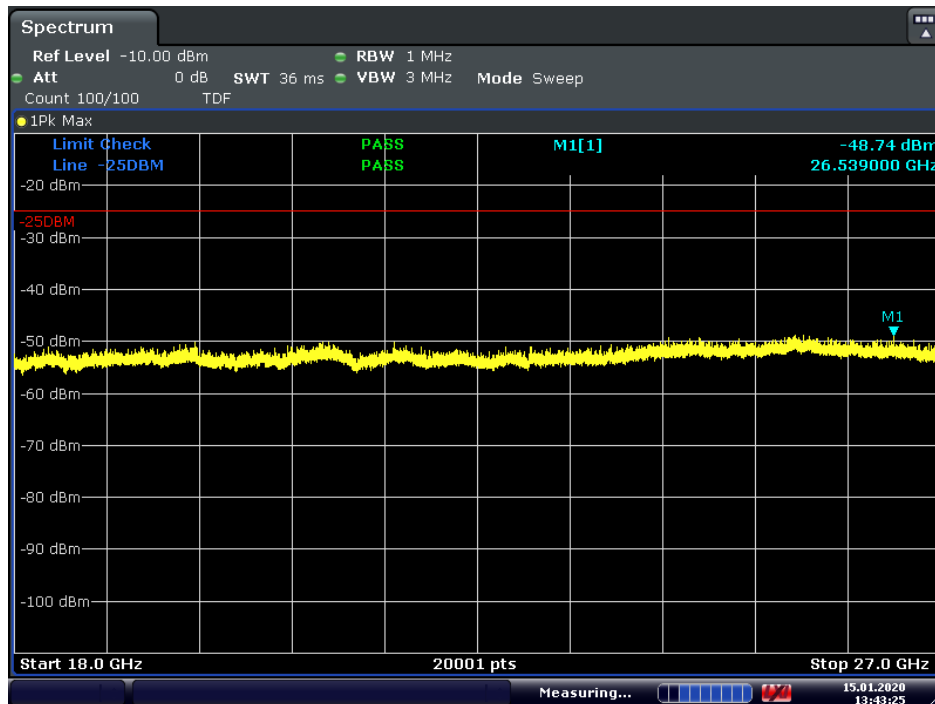


Plot 7-464. Radiated Spurious Plot 1GHz - 18GHz (Band 41)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 335 of 421



Plot 7-465. Radiated Spurious Plot 18GHz – 27GHz H (Band 41)



Plot 7-466. Radiated Spurious Plot 18GHz – 27GHz V (Band 41)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 336 of 421

OPERATING FREQUENCY: 2506.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	270	128	-57.52	9.99	-47.53	-22.5
7518.00	V	-	-	-62.28	11.99	-50.30	-25.3
10024.00	V	-	-	-62.17	13.11	-49.06	-24.1
12530.00	V	-	-	-59.81	13.15	-46.66	-21.7

Table 7-105. Radiated Spurious Data (Band 41 – Low Channel)

OPERATING FREQUENCY: 2593.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	287	138	-48.69	10.20	-38.48	-13.5
7779.00	V	109	123	-61.30	12.20	-49.10	-24.1
10372.00	V	-	-	-63.15	13.07	-50.08	-25.1
12965.00	V	-	-	-59.82	13.25	-46.57	-21.6
15558.00	V	-	-	-59.28	14.01	-45.27	-20.3

Table 7-106. Radiated Spurious Data (Band 41 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 337 of 421



OPERATING FREQUENCY: 2680.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	326	216	-53.70	10.37	-43.33	-18.3
8040.00	V	-	-	-64.45	12.53	-51.91	-26.9
10720.00	V	-	-	-63.22	13.07	-50.15	-25.1
13400.00	V	-	-	-60.50	13.78	-46.72	-21.7

Table 7-107. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 338 of 421

7.9.3 ANT 1 (Port-B) Radiated Spurious Emissions Measurements Band 71

OPERATING FREQUENCY: 673.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1346.00	V	-	-	-70.80	3.46	-67.33	-54.3
2019.00	V	-	-	-69.32	4.27	-65.05	-52.1
2692.00	V	-	-	-70.39	6.52	-63.86	-50.9

Table 7-108. Radiated Spurious Data (Band 71 – Low Channel)

OPERATING FREQUENCY: 680.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1361.00	V	-	-	-70.69	3.40	-67.29	-54.3
2041.50	V	-	-	-69.63	4.53	-65.10	-52.1
2722.00	V	-	-	-70.23	6.61	-63.62	-50.6

Table 7-109. Radiated Spurious Data (Band 71 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 339 of 421



OPERATING FREQUENCY: 688.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1376.00	V	-	-	-70.98	3.71	-67.27	-54.3
2064.00	V	-	-	-69.47	4.58	-64.89	-51.9
2752.00	V	-	-	-70.20	6.67	-63.52	-50.5

Table 7-110. Radiated Spurious Data (Band 71 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 340 of 421

Band 12/17

OPERATING FREQUENCY: 704.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1408.00	H	-	-	-71.81	4.35	-67.46	-54.5
2112.00	V	-	-	-69.90	5.05	-64.84	-51.8
2816.00	V	-	-	-71.12	6.90	-64.23	-51.2

Table 7-111. Radiated Spurious Data (Band 12 – Low Channel)

OPERATING FREQUENCY: 707.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1415.00	H	136	188	-71.67	4.42	-67.25	-54.2
2122.50	H	-	-	-70.05	5.22	-64.83	-51.8
2830.00	H	-	-	-71.62	7.01	-64.61	-51.6

Table 7-112. Radiated Spurious Data (Band 12 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 341 of 421

OPERATING FREQUENCY: 711.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1422.00	V	277	166	-70.26	4.50	-65.76	-52.8
2133.00	V	131	141	-66.71	5.34	-61.37	-48.4
2844.00	V	-	-	-71.60	7.06	-64.54	-51.5

Table 7-113. Radiated Spurious Data (Band 12/17 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 342 of 421

Band 13

OPERATING FREQUENCY: 779.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2338.50	V	133	122	-57.10	6.21	-50.90	-37.9
3118.00	V	-	-	-71.24	7.46	-63.79	-50.8
3897.50	V	-	-	-71.30	8.89	-62.41	-49.4
4677.00	V	-	-	-71.52	9.79	-61.73	-48.7

Table 7-114. Radiated Spurious Data (Band 13 – Low Channel)

OPERATING FREQUENCY: 782.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2346.00	V	135	122	-56.11	6.22	-49.88	-36.9
3128.00	V	-	-	-70.81	7.50	-63.31	-50.3
3910.00	V	-	-	-71.11	8.92	-62.19	-49.2
4692.00	V	-	-	-71.70	9.87	-61.83	-48.8

Table 7-115. Radiated Spurious Data (Band 13 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 343 of 421

OPERATING FREQUENCY: 784.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2353.50	H	165	123	-61.79	6.22	-55.58	-42.6
3138.00	H	-	-	-71.16	7.54	-63.62	-50.6
3922.50	H	-	-	-71.08	8.95	-62.13	-49.1
4707.00	H	-	-	-71.77	9.92	-61.85	-48.9

Table 7-116. Radiated Spurious Data (Band 13 – High Channel)

MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.00 MHz
 DISTANCE: 3 meters
 NARROWBAND EMISSION LIMIT: -50 dBm
 WIDEBAND EMISSION LIMIT: -40 dBm/MHz

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1559.00	H	160	142	-66.72	5.80	-60.92	-20.9
1564.00	H	159	144	-66.56	5.82	-60.75	-20.7
1569.00	H	158	142	-67.53	5.82	-61.71	-21.7

Table 7-117. Radiated Spurious Data (Band 13 – 1559-1610MHz Band)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 344 of 421

Band 26/5

OPERATING FREQUENCY: 829.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	H	107	141	-71.78	5.55	-66.23	-53.2
2487.00	H	243	93	-68.50	5.92	-62.58	-49.6
3316.00	H	-	-	-70.95	7.89	-63.05	-50.1
4145.00	H	-	-	-71.53	9.06	-62.47	-49.5
4974.00	H	-	-	-71.40	9.99	-61.41	-48.4

Table 7-118. Radiated Spurious Data (Band 26/5 – Low Channel)

OPERATING FREQUENCY: 836.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.00	H	103	138	-72.52	5.60	-66.92	-53.9
2509.50	H	217	104	-68.99	5.91	-63.09	-50.1
3346.00	H	-	-	-71.13	7.94	-63.19	-50.2
4182.50	H	-	-	-71.65	9.12	-62.53	-49.5
5019.00	H	-	-	-71.54	10.00	-61.54	-48.5

Table 7-119. Radiated Spurious Data (Band 26/5 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 345 of 421



OPERATING FREQUENCY: 844.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 10.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	H	129	182	-72.14	5.61	-66.53	-53.5
2532.00	H	-	-	-70.04	5.93	-64.12	-51.1
3376.00	H	-	-	-71.31	8.01	-63.30	-50.3
4220.00	H	-	-	-71.74	9.18	-62.56	-49.6

Table 7-120. Radiated Spurious Data (Band 26/5 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 346 of 421

7.9.4 ANT 2b (Port-B) Radiated Spurious Emissions Measurements

Band 66/4

OPERATING FREQUENCY: 1720.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	-	-	-70.55	8.12	-62.43	-49.4
5160.00	V	320	48	-70.36	10.14	-60.22	-47.2
6880.00	H	-	-	-70.91	11.38	-59.53	-46.5
8600.00	H	-	-	-73.58	13.02	-60.56	-47.6
10320.00	H	-	-	-70.64	13.10	-57.54	-44.5

Table 7-121. Radiated Spurious Data (Band 66 – Low Channel)

OPERATING FREQUENCY: 1745.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	-	-	-70.87	8.09	-62.78	-49.8
5235.00	H	-	-	-71.89	10.26	-61.63	-48.6
6980.00	H	-	-	-71.09	11.47	-59.63	-46.6

Table 7-122. Radiated Spurious Data (Band 66 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 347 of 421



OPERATING FREQUENCY: 1770.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	-	-	-70.41	7.99	-62.41	-49.4
5310.00	H	-	-	-71.85	10.28	-61.57	-48.6
7080.00	H	-	-	-71.43	11.58	-59.86	-46.9

Table 7-123. Radiated Spurious Data (Band 66/4 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 348 of 421

Band 25/2

OPERATING FREQUENCY: 1860.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	-	-	-70.57	8.43	-62.14	-49.1
5580.00	H	-	-	-71.52	10.72	-60.80	-47.8
7440.00	H	-	-	-71.08	11.90	-59.18	-46.2

Table 7-124. Radiated Spurious Data (Band 25/2 – Low Channel)

OPERATING FREQUENCY: 1882.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-70.20	8.48	-61.72	-48.7
5647.50	H	-	-	-70.95	10.69	-60.26	-47.3
7530.00	H	-	-	-71.17	11.99	-59.19	-46.2

Table 7-125. Radiated Spurious Data (Band 25 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 349 of 421



OPERATING FREQUENCY: 1905.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-70.18	8.59	-61.58	-48.6
5715.00	H	-	-	-71.38	10.66	-60.72	-47.7
7620.00	H	-	-	-71.42	12.16	-59.26	-46.3

Table 7-126. Radiated Spurious Data (Band 25/2 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 350 of 421

Band 30

OPERATING FREQUENCY: 2307.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	H	-	-	-71.63	9.49	-62.14	-22.1
6922.50	H	-	-	-69.87	11.40	-58.46	-18.5
9230.00	H	-	-	-70.74	13.29	-57.45	-17.5

Table 7-127. Radiated Spurious Data (Band 30 – Low Channel)

OPERATING FREQUENCY: 2310.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	H	-	-	-71.47	9.51	-61.95	-22.0
6930.00	H	-	-	-69.99	11.41	-58.58	-18.6
9240.00	H	-	-	-71.07	13.30	-57.77	-17.8

Table 7-128. Radiated Spurious Data (Band 30 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 351 of 421



OPERATING FREQUENCY: 2312.50 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 5.0 MHz
DISTANCE: 3 meters
LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	H	-	-	-71.80	9.54	-62.26	-22.3
6937.50	H	-	-	-70.21	11.41	-58.79	-18.8
9250.00	H	-	-	-70.99	13.31	-57.69	-17.7

Table 7-129. Radiated Spurious Data (Band 30 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 352 of 421

Band 7

OPERATING FREQUENCY: 2510.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	-	-	-71.04	10.00	-61.04	-36.0
7530.00	V	-	-	-71.12	11.99	-59.14	-34.1
10040.00	V	-	-	-71.12	13.11	-58.00	-33.0

Table 7-130. Radiated Spurious Data (Band 7 – Low Channel)

OPERATING FREQUENCY: 2535.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	-	-	-71.42	10.07	-61.35	-36.4
7580.00	V	-	-	-71.17	12.08	-59.08	-34.1
10090.00	V	-	-	-70.79	13.09	-57.70	-32.7

Table 7-131. Radiated Spurious Data (Band 7 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 353 of 421

OPERATING FREQUENCY: 2560.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-71.51	10.10	-61.41	-36.4
7680.00	V	-	-	-71.37	12.15	-59.22	-34.2
10240.00	V	-	-	-71.04	13.10	-57.93	-32.9

Table 7-132. Radiated Spurious Data (Band 7 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 354 of 421

Band 41

OPERATING FREQUENCY: 2506.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-63.14	9.99	-53.15	-28.1
7518.00	H	-	-	-61.91	11.99	-49.93	-24.9
10024.00	H	-	-	-62.29	13.11	-49.18	-24.2

Table 7-133. Radiated Spurious Data (Band 41 – Low Channel)

OPERATING FREQUENCY: 2593.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	-	-	-62.04	10.20	-51.83	-26.8
7779.00	H	-	-	-61.72	12.20	-49.52	-24.5
10372.00	H	-	-	-62.32	13.07	-49.25	-24.3

Table 7-134. Radiated Spurious Data (Band 41 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 355 of 421



OPERATING FREQUENCY: 2690.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5380.00	H	-	-	-62.44	10.10	-52.34	-27.3
8060.00	H	-	-	-62.16	12.21	-49.96	-25.0
10740.00	H	-	-	-61.24	13.07	-48.17	-23.2

Table 7-135. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 356 of 421

7.9.5 ANT 4a (Port-C) Radiated Spurious Emissions Measurements Band 66/4

OPERATING FREQUENCY: 1720.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	-	-	-70.66	8.12	-62.54	-49.5
5160.00	H	-	-	-72.06	10.14	-61.92	-48.9
6880.00	H	-	-	-71.16	11.38	-59.78	-46.8

Table 7-136. Radiated Spurious Data (Band 66/4 – Low Channel)

OPERATING FREQUENCY: 1745.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	-	-	-70.77	8.09	-62.68	-49.7
5235.00	H	-	-	-72.18	10.26	-61.92	-48.9
6980.00	H	-	-	-71.21	11.47	-59.75	-46.7

Table 7-137. Radiated Spurious Data (Band 66/4 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 357 of 421



OPERATING FREQUENCY: 1770.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	-	-	-70.40	7.99	-62.41	-49.4
5310.00	H	-	-	-71.99	10.28	-61.71	-48.7
7080.00	H	-	-	-71.40	11.58	-59.83	-46.8

Table 7-138. Radiated Spurious Data (Band 66/4 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 358 of 421

Band 25/2

OPERATING FREQUENCY: 1860.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	-	-	-71.05	8.43	-62.62	-49.6
5580.00	H	-	-	-72.10	10.72	-61.38	-48.4
7440.00	H	-	-	-71.15	11.90	-59.25	-46.2

Table 7-139. Radiated Spurious Data (Band 25 – Low Channel)

OPERATING FREQUENCY: 1882.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-70.71	8.48	-62.23	-49.2
5647.50	H	-	-	-71.61	10.69	-60.92	-47.9
7530.00	H	-	-	-71.56	11.99	-59.58	-46.6

Table 7-140. Radiated Spurious Data (Band 25 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 359 of 421

OPERATING FREQUENCY: 1905.00 MHz

MODULATION SIGNAL: QPSK

BANDWIDTH: 20.0 MHz

DISTANCE: 3 meters

LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-70.35	8.59	-61.75	-48.8
5715.00	H	-	-	-71.29	10.66	-60.63	-47.6
7620.00	H	-	-	-71.86	12.16	-59.70	-46.7

Table 7-141. Radiated Spurious Data (Band 25/2 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 360 of 421

Band 30

OPERATING FREQUENCY: 2307.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	H	-	-	-70.68	9.49	-61.19	-21.2
6922.50	H	-	-	-70.62	11.40	-59.22	-19.2
9230.00	H	-	-	-72.42	13.29	-59.13	-19.1

Table 7-142. Radiated Spurious Data (Band 30 – Low Channel)

OPERATING FREQUENCY: 2310.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	H	-	-	-70.80	9.51	-61.28	-21.3
6930.00	H	-	-	-70.64	11.41	-59.23	-19.2
9240.00	H	-	-	-72.28	13.30	-58.98	-19.0

Table 7-143. Radiated Spurious Data (Band 30 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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OPERATING FREQUENCY: 2312.50 MHz

MODULATION SIGNAL: QPSK

BANDWIDTH: 5.0 MHz

DISTANCE: 3 meters

LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	H	-	-	-71.00	9.54	-61.46	-21.5
6937.50	H	-	-	-70.75	11.41	-59.33	-19.3
9250.00	H	-	-	-72.17	13.31	-58.86	-18.9

Table 7-144. Radiated Spurious Data (Band 30 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 362 of 421

Band 7

OPERATING FREQUENCY: 2510.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-61.38	10.00	-51.38	-26.4
7530.00	H	-	-	-61.94	11.99	-49.96	-25.0
10040.00	H	-	-	-62.79	13.11	-49.67	-24.7

Table 7-145. Radiated Spurious Data (Band 7 – Low Channel)

OPERATING FREQUENCY: 2535.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	107	121	-59.19	10.07	-49.12	-24.1
7605.00	V	-	-	-61.98	12.15	-49.83	-24.8
10140.00	V	-	-	-61.68	13.10	-48.58	-23.6
12675.00	V	-	-	-59.43	13.15	-46.28	-21.3

Table 7-146. Radiated Spurious Data (Band 7 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 363 of 421

OPERATING FREQUENCY: 2560.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-62.08	10.11	-51.97	-27.0
7680.00	V	-	-	-62.22	12.15	-50.07	-25.1
10240.00	V	-	-	-62.45	13.10	-49.35	-24.4

Table 7-147. Radiated Spurious Data (Band 7 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 364 of 421

Band 41

OPERATING FREQUENCY: 2506.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-61.55	9.99	-51.56	-26.6
7518.00	H	-	-	-62.45	11.99	-50.47	-25.5
10024.00	H	-	-	-62.22	13.11	-49.11	-24.1

Table 7-148. Radiated Spurious Data (Band 41 – Low Channel)

OPERATING FREQUENCY: 2593.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	124	298	-60.32	10.20	-50.11	-25.1
7779.00	V	236	185	-56.93	12.20	-44.73	-19.7
10372.00	V	-	-	-61.73	13.07	-48.66	-23.7
12965.00	V	-	-	-59.68	13.25	-46.43	-21.4
15558.00	V	-	-	-58.98	14.01	-44.97	-20.0

Table 7-149. Radiated Spurious Data (Band 41 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 365 of 421

OPERATING FREQUENCY: 2680.00 MHz

MODULATION SIGNAL: QPSK

BANDWIDTH: 20.0 MHz

DISTANCE: 3 meters

LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	112	121	-59.07	10.37	-48.70	-23.7
8040.00	H	245	184	-55.99	12.53	-43.45	-18.5
10720.00	H	115	167	-61.03	13.07	-47.96	-23.0
13400.00	H	-	-	-59.81	13.78	-46.03	-21.0
16080.00	H	-	-	-58.19	13.63	-44.56	-19.6

Table 7-150. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 366 of 421

7.9.6 ANT 2a (Port-D) Radiated Spurious Emissions Measurements Band 66/4

OPERATING FREQUENCY: 1720.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	-	-	-70.59	8.12	-62.47	-49.5
5160.00	H	-	-	-71.75	10.14	-61.61	-48.6
6880.00	H	-	-	-71.13	11.38	-59.75	-46.7

Table 7-151. Radiated Spurious Data (Band 66 – Low Channel)

OPERATING FREQUENCY: 1745.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	-	-	-70.93	8.09	-62.84	-49.8
5235.00	H	-	-	-72.04	10.26	-61.78	-48.8
6980.00	H	-	-	-71.15	11.47	-59.69	-46.7

Table 7-152. Radiated Spurious Data (Band 66 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 367 of 421

OPERATING FREQUENCY: 1770.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	-	-	-70.51	7.99	-62.52	-49.5
5310.00	H	-	-	-71.80	10.28	-61.52	-48.5
7080.00	H	-	-	-71.47	11.58	-59.90	-46.9

Table 7-153. Radiated Spurious Data (Band 66/4 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 368 of 421

Band 25/2

OPERATING FREQUENCY: 1860.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	-	-	-70.90	8.43	-62.47	-49.5
5580.00	H	-	-	-72.08	10.72	-61.36	-48.4
7440.00	H	-	-	-71.38	11.90	-59.48	-46.5

Table 7-154. Radiated Spurious Data (Band 25 – Low Channel)

OPERATING FREQUENCY: 1882.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-70.56	8.48	-62.08	-49.1
5647.50	H	-	-	-71.56	10.69	-60.87	-47.9
7530.00	H	-	-	-71.58	11.99	-59.60	-46.6

Table 7-155. Radiated Spurious Data (Band 25/2 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 369 of 421

OPERATING FREQUENCY: 1905.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-70.55	8.59	-61.95	-49.0
5715.00	H	-	-	-71.83	10.66	-61.17	-48.2
7620.00	H	-	-	-71.59	12.16	-59.43	-46.4

Table 7-156. Radiated Spurious Data (Band 25/2 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 370 of 421

Band 30

OPERATING FREQUENCY: 2307.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	H	-	-	-70.81	9.49	-61.32	-21.3
6922.50	H	-	-	-71.02	11.40	-59.62	-19.6
9230.00	H	-	-	-72.49	13.29	-59.20	-19.2

Table 7-157. Radiated Spurious Data (Band 30 – Low Channel)

OPERATING FREQUENCY: 2310.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	H	-	-	-71.36	9.51	-61.84	-21.8
6930.00	H	-	-	-71.01	11.41	-59.60	-19.6
9240.00	H	-	-	-72.64	13.30	-59.34	-19.3

Table 7-158. Radiated Spurious Data (Band 30 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 371 of 421

OPERATING FREQUENCY: 2312.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	H	-	-	-71.36	9.54	-61.82	-21.8
6937.50	H	-	-	-71.09	11.41	-59.67	-19.7
9250.00	H	-	-	-72.53	13.31	-59.22	-19.2

Table 7-159. Radiated Spurious Data (Band 30 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 372 of 421

Band 7

OPERATING FREQUENCY: 2510.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-71.75	10.00	-61.75	-36.7
7530.00	H	-	-	-71.66	11.99	-59.68	-34.7
10040.00	H	-	-	-71.43	13.11	-58.31	-33.3

Table 7-160. Radiated Spurious Data (Band 7 – Low Channel)

OPERATING FREQUENCY: 2535.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-72.05	10.07	-61.98	-37.0
7605.00	H	-	-	-71.64	12.15	-59.49	-34.5
10140.00	H	-	-	-71.03	13.10	-57.93	-32.9

Table 7-161. Radiated Spurious Data (Band 7 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 373 of 421



OPERATING FREQUENCY: 2560.00 MHz

MODULATION SIGNAL: QPSK

BANDWIDTH: 20.0 MHz

DISTANCE: 3 meters

LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-71.83	10.10	-61.73	-36.7
7680.00	H	-	-	-71.65	12.15	-59.50	-34.5
10240.00	H	-	-	-71.15	13.10	-58.04	-33.0

Table 7-162. Radiated Spurious Data (Band 7 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 374 of 421

Band 41

OPERATING FREQUENCY: 2506.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-61.60	9.99	-51.61	-26.6
7518.00	H	-	-	-62.24	11.99	-50.26	-25.3
10024.00	H	-	-	-61.94	13.11	-48.83	-23.8

Table 7-163. Radiated Spurious Data (Band 41 – Low Channel)

OPERATING FREQUENCY: 2593.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	-	-	-62.54	10.20	-52.33	-27.3
7779.00	H	-	-	-61.68	12.20	-49.48	-24.5
10372.00	H	-	-	-61.64	13.07	-48.57	-23.6

Table 7-164. Radiated Spurious Data (Band 41 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 375 of 421

OPERATING FREQUENCY: 2680.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	H	-	-	-62.17	10.37	-51.80	-26.8
8040.00	H	-	-	-62.92	12.53	-50.38	-25.4
10720.00	H	-	-	-61.54	13.07	-48.47	-23.5

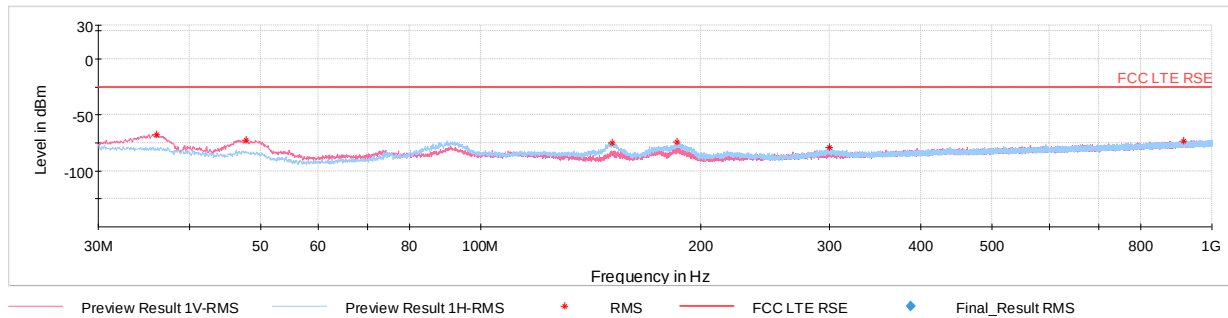
Table 7-165. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 376 of 421

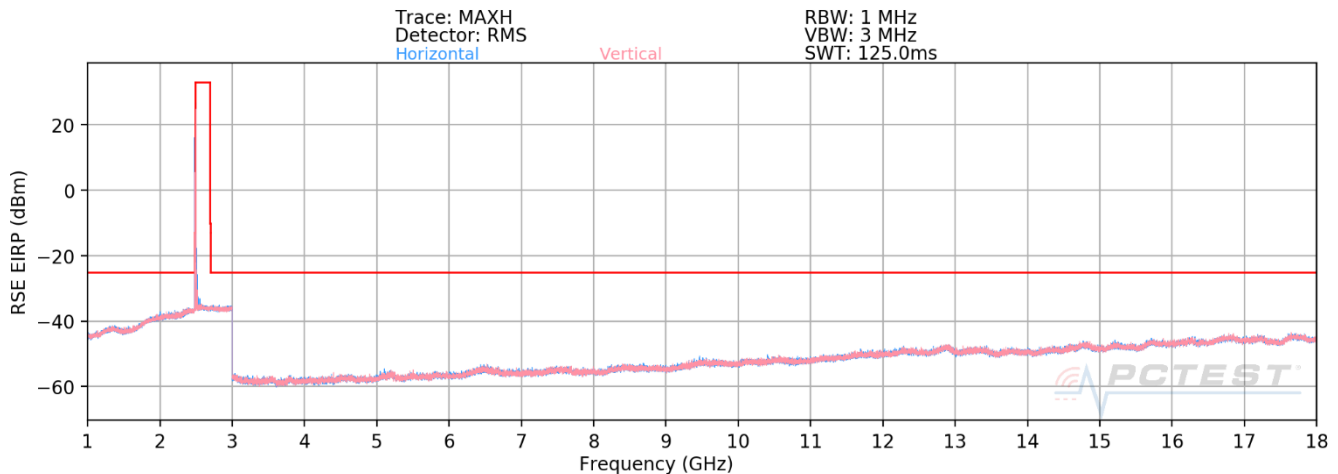
Simultaneous Tx Radiated Spurious Emissions Measurements

Description	Bluetooth	LTE
Antenna	4a	4a
Channel	6	39750
Operating Frequency (MHz)	2480	2506
Mode/Modulation	GFSK ePA	QPSK/1RB/20MHz

Table 7-166. Worst Case Configuration



Plot 7-467. Radiated Spurious Plot Below 1GHz

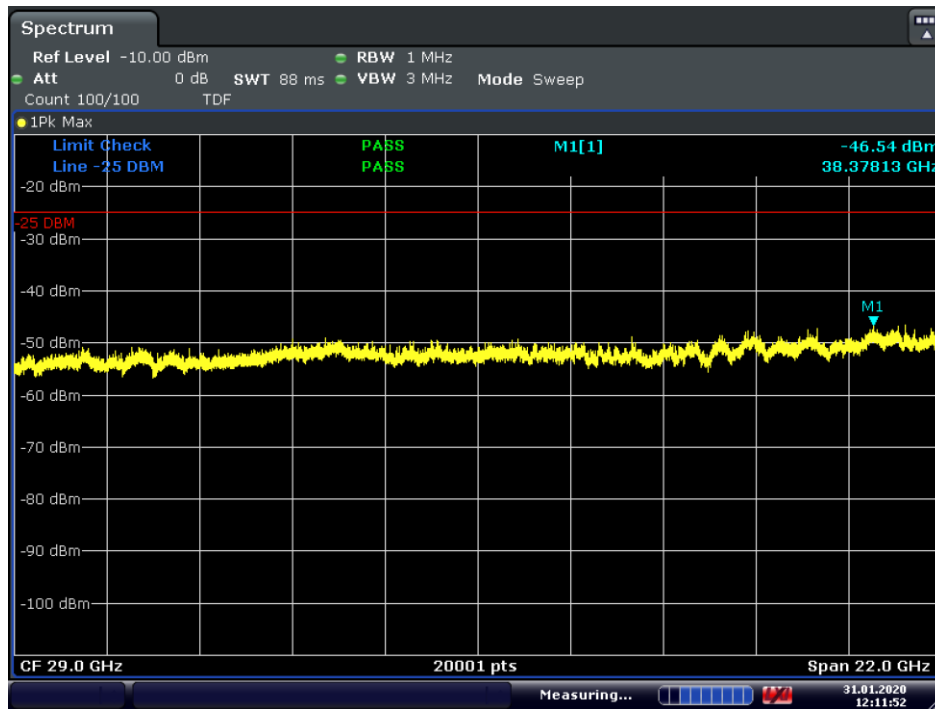


Plot 7-468. Radiated Spurious Plot Above 1GHz

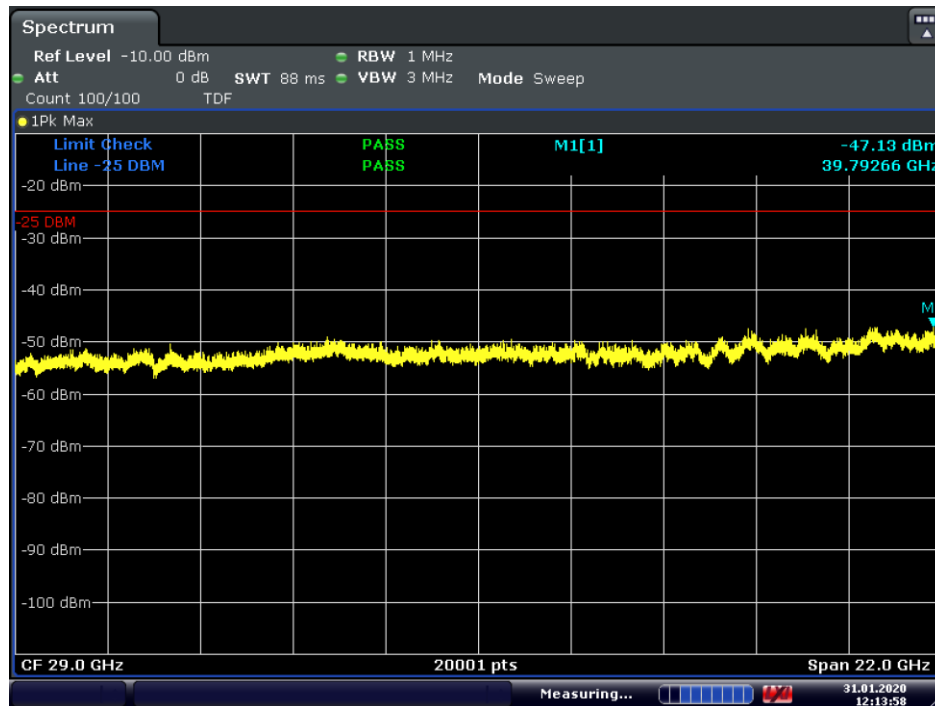
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	V	-	-	-69.39	9.99	-59.40	-25.0	-34.4
7518.00	V	-	-	-68.80	11.99	-56.82	-25.0	-31.8
10024.00	V	-	-	-68.70	13.11	-55.59	-25.0	-30.6

Table 7-167. Radiated Spurious Data Above 1GHz

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)					Approved by: Quality Manager	
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device					Page 377 of 421	



Plot 7-469. Radiated Spurious Plot Above 18GHz (Ant. Pol H)



Plot 7-470. Radiated Spurious Data Above 18GHz (Ant. Pol V)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 378 of 421



7.10 Uplink Carrier Aggregation Radiated Measurements

§2.1053, §27.53(m)

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-D-2010 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v02r02 – Section 5.8

ANSI/TIA-603-D-2010 – Section 2.2.12

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. No. of sweep points $\geq 2 \times$ span / RBW
4. Detector = RMS
5. Trace mode = trace average for continuous emissions, max hold for pulse emissions
6. The trace was allowed to stabilize

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 379 of 421

Test Setup

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

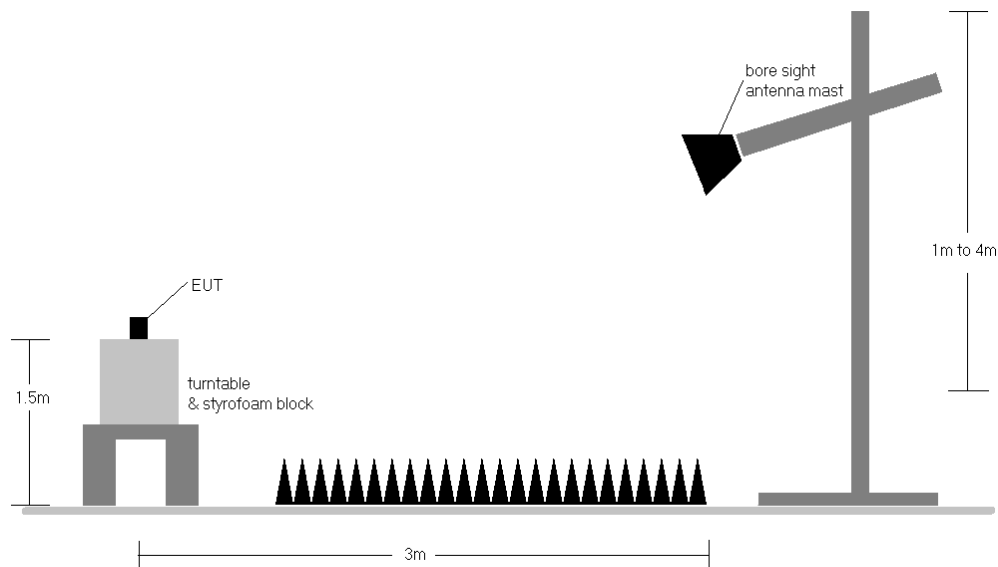


Figure 7-10. Test Instrument & Measurement Setup

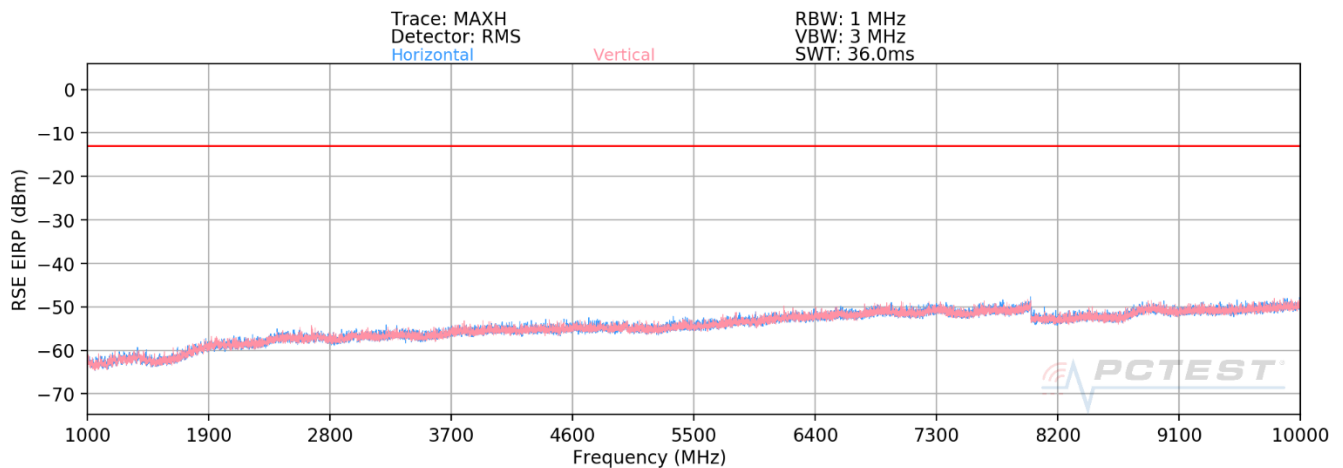
Test Notes

- 1) 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.
- 2) This unit was tested with its standard battery.
- 3) Radiated spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. The worst case (highest) emissions were found while operating with QPSK modulation with both carriers set to transmit using 1RB.
- 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) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) No significant emissions were found as a result of two uplink carriers operating contiguously.
- 7) All ports were tested and only the worst case data were reported.
- 8) Refer to Table 2-3 Section 2.3 of this test report for correlation between Antennas and Ports.

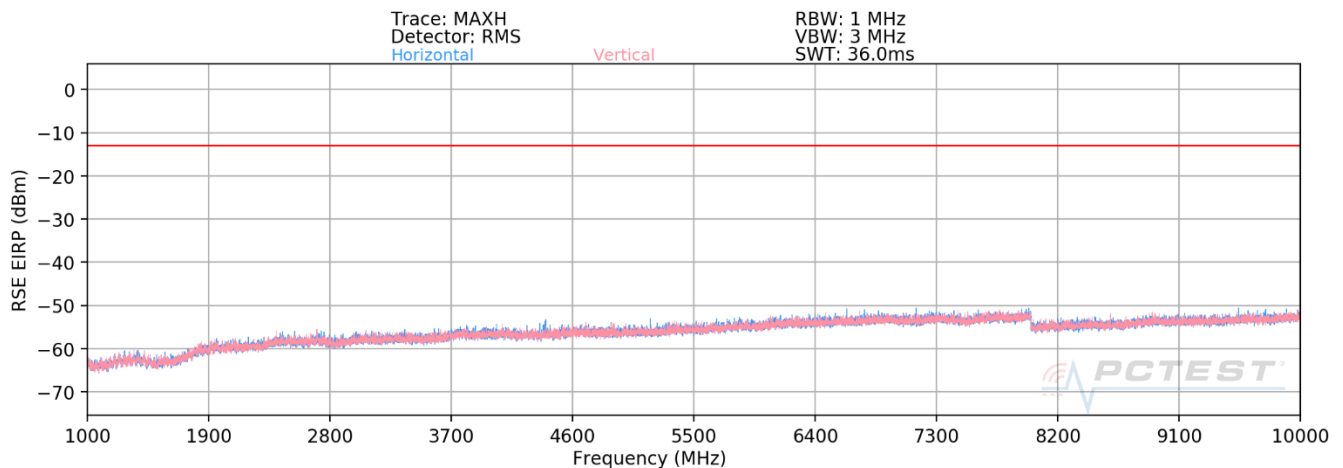
FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 380 of 421

7.10.1 ANT 3 (Port-A) Radiated Spurious Emissions Measurements

Band 5



Plot 7-471. Radiated Spurious Plot (ULCA B5 PCC: RB 1 Offset 49, SCC: RB 1 Offset 0 – Low Channel)



Plot 7-472. Radiated Spurious Plot (ULCA B5 PCC: RB 1 Offset 0, SCC: RB 1 Offset 49 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 381 of 421

OPERATING FREQUENCY (PCC): 829.00 MHz
 OPERATING FREQUENCY (SCC): 838.90 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	V	193	113	-71.20	5.50	-65.70	-40.7
2487.00	V	-	-	-69.49	5.92	-63.57	-38.6
3316.00	V	-	-	-70.94	7.87	-63.07	-38.1

Table 7-168. Radiated Spurious Data (ULCA B5 PCC: RB 1 Offset 49, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 844.00 MHz
 OPERATING FREQUENCY (SCC): 834.10 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

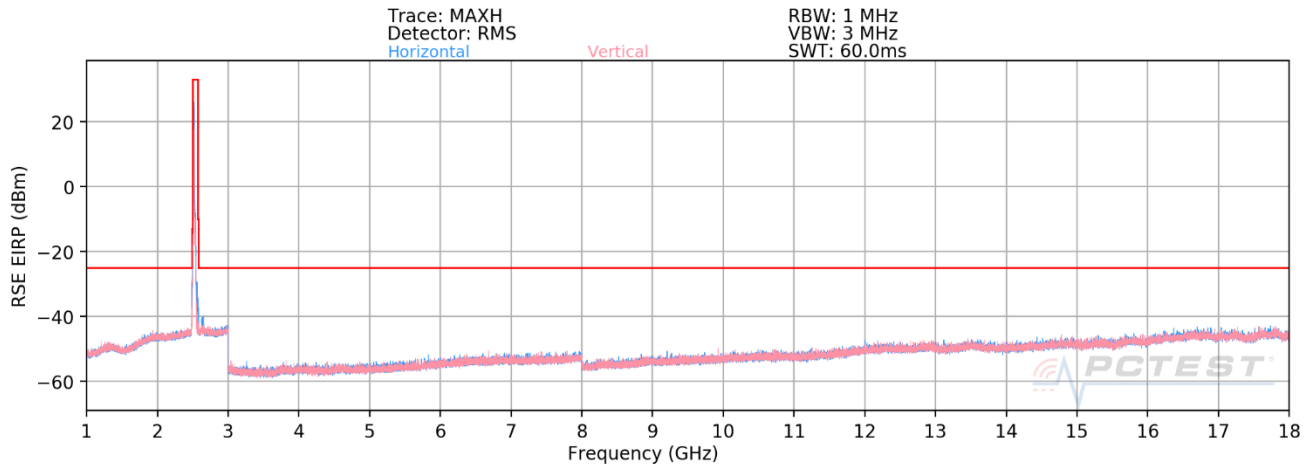
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	V	179	117	-70.66	5.65	-65.01	-40.0
2535.00	V	-	-	-69.68	5.95	-63.73	-38.7
3376.00	V	-	-	-70.98	8.04	-62.94	-37.9
4220.00	V	-	-	-71.29	9.19	-62.10	-37.1

Table 7-169. Radiated Spurious Data (ULCA B5 PCC: RB 1 Offset 0, SCC: RB 1 Offset 49 – High Channel)

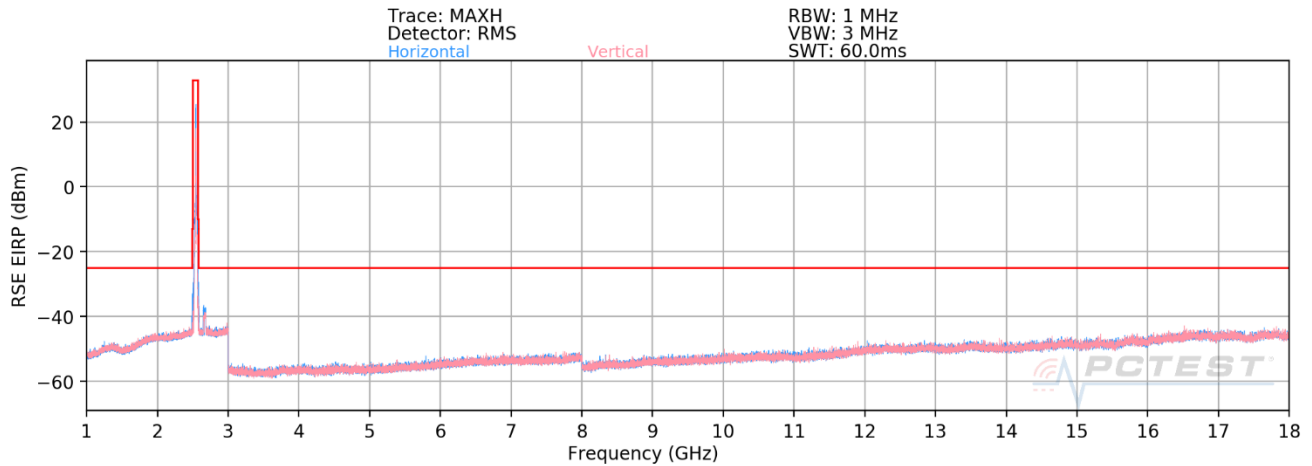
FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 382 of 421

7.10.2 ANT 4b (Port-A) Radiated Spurious Emissions Measurements

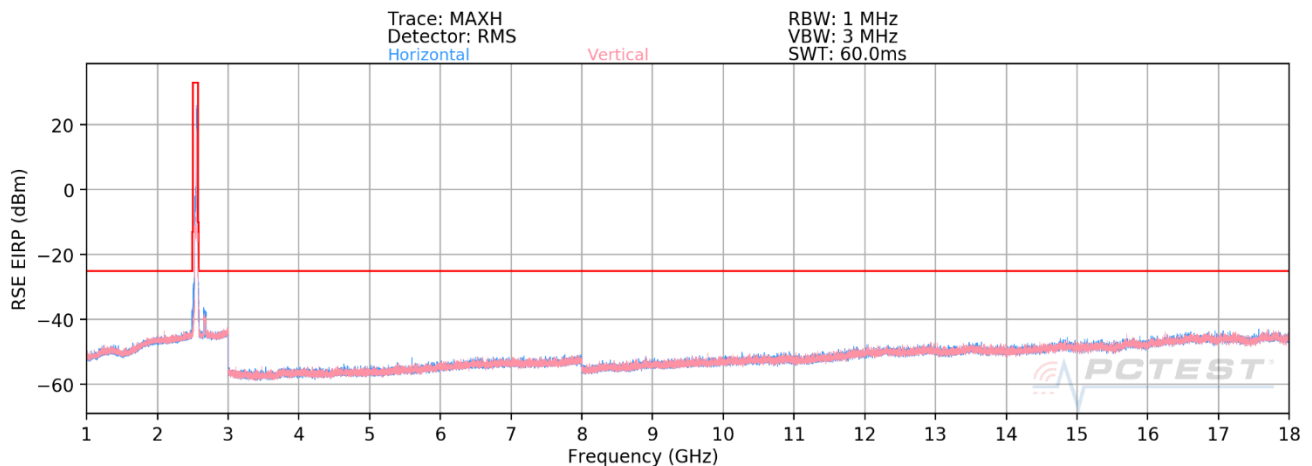
Band 7



Plot 7-473. Radiated Spurious Plot (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)



Plot 7-474. Radiated Spurious Plot (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)



Plot 7-475. Radiated Spurious Plot (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 383 of 421

OPERATING FREQUENCY (PCC): 2510.00 MHz
 OPERATING FREQUENCY (SCC): 2529.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	293	131	-67.92	10.13	-57.79	-32.8
7530.00	V	-	-	-71.00	12.02	-58.99	-34.0
10040.00	V	-	-	-71.39	13.11	-58.27	-33.3
12550.00	V	-	-	-68.36	13.16	-55.20	-30.2

Table 7-170. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 2535.00 MHz
 OPERATING FREQUENCY (SCC): 2554.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	266	136	-70.78	10.16	-60.62	-35.6
7605.00	V	316	284	-69.10	11.98	-57.12	-32.1
10140.00	V	-	-	-70.84	13.03	-57.81	-32.8
12675.00	V	-	-	-68.70	13.17	-55.53	-30.5
15210.00	V	-	-	-67.92	14.04	-53.88	-28.9

Table 7-171. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 384 of 421



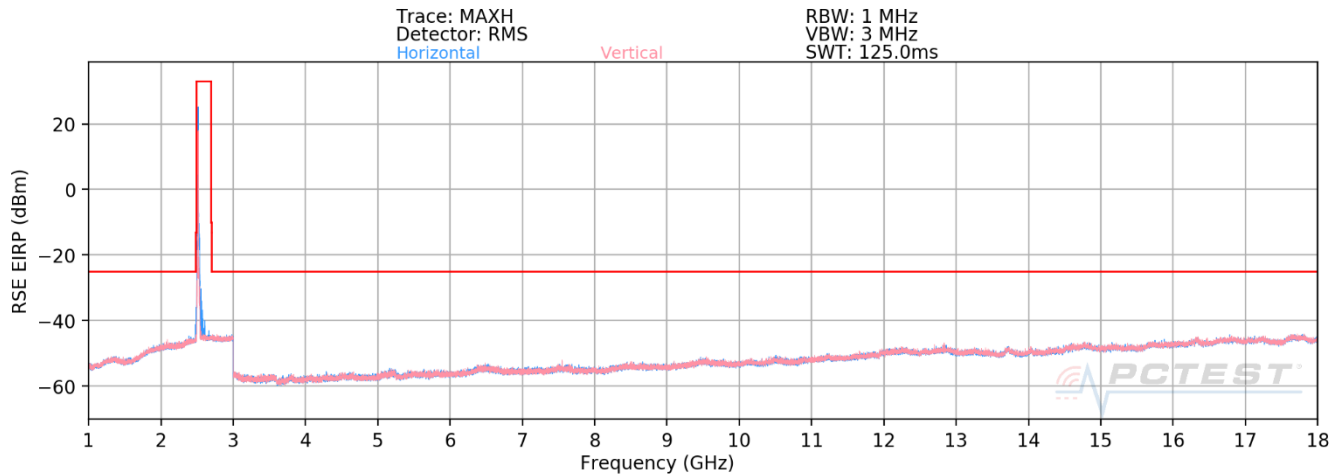
OPERATING FREQUENCY (PCC): 2560.00 MHz
OPERATING FREQUENCY (SCC): 2540.20 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	285	131	-70.48	10.22	-60.26	-35.3
7680.00	V	105	183	-67.79	12.06	-55.73	-30.7
10240.00	V	-	-	-71.07	13.05	-58.01	-33.0
12800.00	V	-	-	-68.63	13.17	-55.46	-30.5
15360.00	V	-	-	-68.73	14.05	-54.68	-29.7

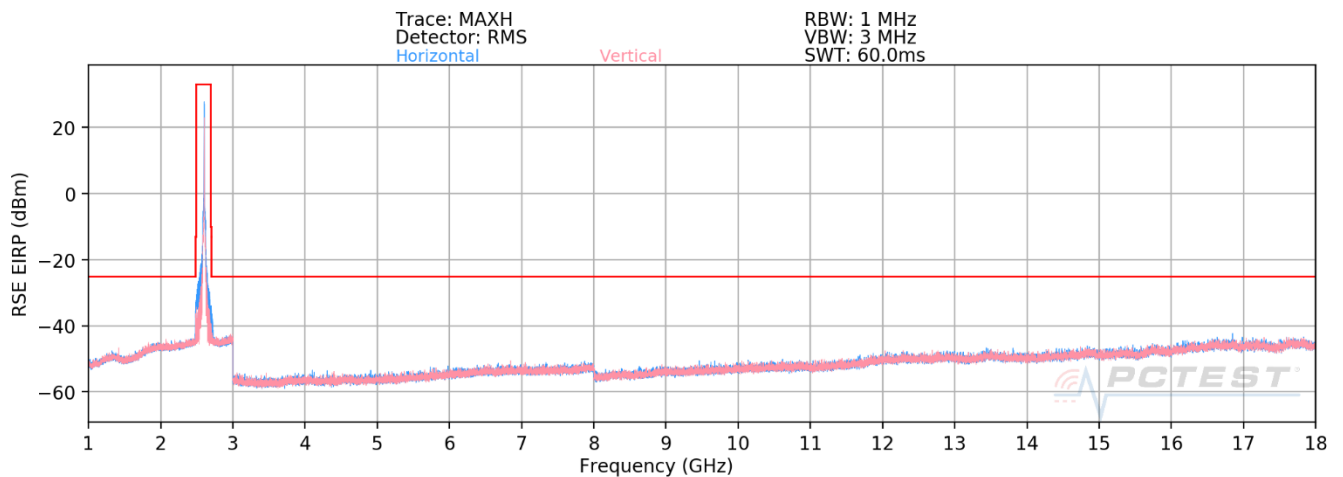
Table 7-172. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 385 of 421

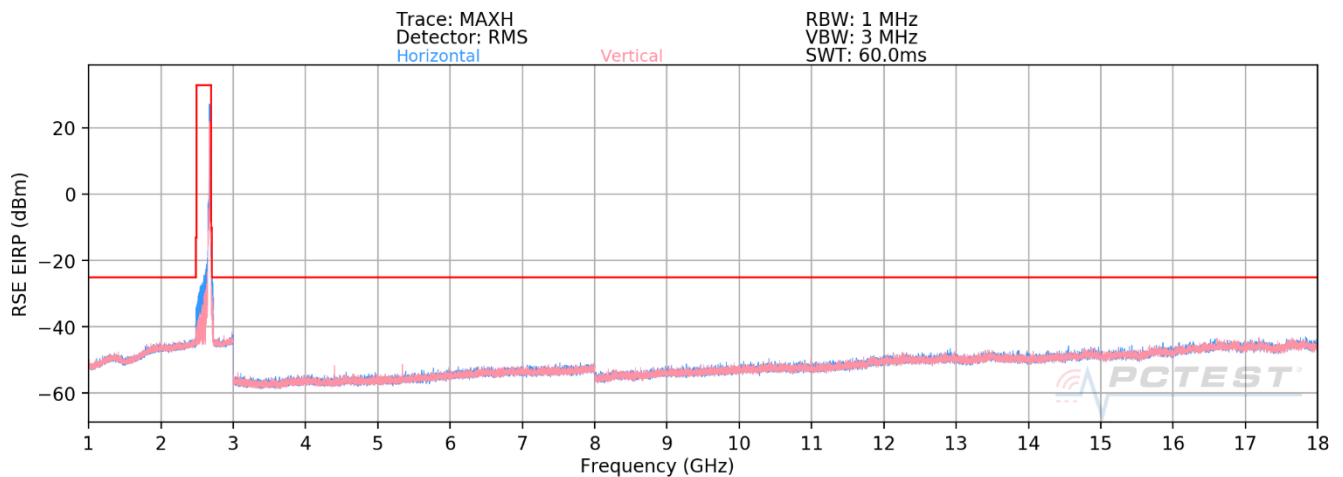
Band 41



Plot 7-476. Radiated Spurious Plot (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)



Plot 7-477. Radiated Spurious Plot (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)



Plot 7-478. Radiated Spurious Plot (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device	Page 386 of 421

OPERATING FREQUENCY (PCC): 2506.00 MHz
 OPERATING FREQUENCY (SCC): 2525.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	283	139	-57.97	9.99	-47.98	-23.0
7518.00	V	111	14	-63.11	11.99	-51.12	-26.1
10024.00	V	-	-	-62.21	13.11	-49.10	-24.1
12530.00	V	-	-	-59.27	13.15	-46.13	-21.1
15036.00	V	-	-	-59.17	14.06	-45.12	-20.1

Table 7-173. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 2593.00 MHz
 OPERATING FREQUENCY (SCC): 2612.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	297	142	-59.12	10.20	-48.92	-23.9
7779.00	V	111	290	-61.62	12.20	-49.42	-24.4
10372.00	V	-	-	-62.21	13.07	-49.14	-24.1
12965.00	V	-	-	-59.34	13.25	-46.09	-21.1
15558.00	V	-	-	-58.90	14.01	-44.89	-19.9

Table 7-174. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 387 of 421



OPERATING FREQUENCY (PCC): 2680.00 MHz
OPERATING FREQUENCY (SCC): 2660.20 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	146	166	-59.60	10.37	-49.23	-24.2
8040.00	V	-	-	-63.47	12.53	-50.93	-25.9
10720.00	V	-	-	-61.73	13.07	-48.66	-23.7
13400.00	V	-	-	-60.78	13.78	-47.00	-22.0

Table 7-175. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 388 of 421

7.10.3 ANT 1 (Port-B) Radiated Spurious Emissions Measurements

Band 5

OPERATING FREQUENCY (PCC): 829.00 MHz
 OPERATING FREQUENCY (SCC): 838.90 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	V	139	200	-73.04	5.50	-67.54	-42.5
2487.00	V	164	110	-64.50	5.92	-58.58	-33.6
3316.00	V	-	-	-70.79	7.87	-62.92	-37.9
4145.00	V	-	-	-70.83	9.02	-61.81	-36.8
4974.00	V	-	-	-71.91	10.01	-61.89	-36.9

Table 7-176. Radiated Spurious Data (ULCA B5 PCC: RB 1 Offset 49, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 844.00 MHz
 OPERATING FREQUENCY (SCC): 834.10 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	V	221	201	-72.74	5.65	-67.09	-42.1
2532.00	V	-	-	-69.68	5.93	-63.75	-38.8
3376.00	V	-	-	-70.93	8.04	-62.89	-37.9
4220.00	V	-	-	-71.50	9.19	-62.31	-37.3

Table 7-177. Radiated Spurious Data (ULCA B5 PCC: RB 1 Offset 0, SCC: RB 1 Offset 49 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.10.4 ANT 2b (Port-B) Radiated Spurious Emissions Measurements

Band 7

OPERATING FREQUENCY (PCC): 2510.00 MHz
 OPERATING FREQUENCY (SCC): 2529.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-71.37	10.00	-61.37	-36.4
7530.00	H	-	-	-71.61	11.99	-59.62	-34.6
10040.00	H	-	-	-69.20	13.11	-56.08	-31.1

Table 7-178. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 2535.00 MHz
 OPERATING FREQUENCY (SCC): 2554.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-71.62	10.07	-61.56	-36.6
7605.00	H	-	-	-70.80	12.15	-58.65	-33.6
10140.00	H	-	-	-70.90	13.10	-57.80	-32.8

Table 7-179. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2560.00 MHz
OPERATING FREQUENCY (SCC): 2540.20 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-71.50	10.10	-61.40	-36.4
7680.00	H	-	-	-70.36	12.15	-58.20	-33.2
10240.00	H	-	-	-70.63	13.10	-57.53	-32.5

Table 7-180. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170051-03.BCG	Test Dates: 12/10/2019 - 02/11/2020	EUT Type: Tablet Device		Page 391 of 421

Band 41

OPERATING FREQUENCY (PCC): 2506.00 MHz
 OPERATING FREQUENCY (SCC): 2525.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-68.87	10.13	-58.74	-33.7
7518.00	H	156	78	-65.97	12.03	-53.95	-28.9
10024.00	H	-	-	-67.84	13.13	-54.71	-29.7
12530.00	H	-	-	-64.53	13.18	-51.35	-26.4
15036.00	H	-	-	-64.99	14.01	-50.97	-26.0

Table 7-181. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 2593.00 MHz
 OPERATING FREQUENCY (SCC): 2612.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	-	-	-68.11	10.30	-57.81	-32.8
7779.00	H	103	196	-67.08	12.16	-54.92	-29.9
10372.00	H	-	-	-67.19	13.18	-54.01	-29.0
12965.00	H	-	-	-63.93	13.27	-50.67	-25.7
15558.00	H	-	-	-63.92	14.02	-49.90	-24.9

Table 7-182. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2680.00 MHz
OPERATING FREQUENCY (SCC): 2660.20 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	H	-	-	-68.20	10.42	-57.78	-32.8
8040.00	H	158	75	-66.98	12.49	-54.49	-29.5
10720.00	H	-	-	-67.12	13.20	-53.92	-28.9
13400.00	H	-	-	-64.64	13.78	-50.86	-25.9
16080.00	H	-	-	-62.82	13.51	-49.31	-24.3

Table 7-183. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.10.5 ANT 4a (Port-C) Radiated Spurious Emissions Measurements

Band 7

OPERATING FREQUENCY (PCC): 2510.00 MHz
 OPERATING FREQUENCY (SCC): 2529.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-71.61	10.13	-61.48	-36.5
7530.00	H	-	-	-70.90	12.02	-58.89	-33.9
10040.00	H	-	-	-70.81	13.11	-57.69	-32.7

Table 7-184. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 2535.00 MHz
 OPERATING FREQUENCY (SCC): 2554.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-72.03	10.16	-61.87	-36.9
7605.00	H	-	-	-70.58	11.98	-58.60	-33.6
10140.00	H	-	-	-69.76	13.03	-56.73	-31.7

Table 7-185. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2560.00 MHz
OPERATING FREQUENCY (SCC): 2540.20 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-71.75	10.22	-61.53	-36.5
7680.00	H	-	-	-71.03	12.06	-58.97	-34.0
10240.00	H	-	-	-70.11	13.05	-57.05	-32.1

Table 7-186. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 41

OPERATING FREQUENCY (PCC): 2506.00 MHz
 OPERATING FREQUENCY (SCC): 2525.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-68.71	10.13	-58.58	-33.6
7518.00	H	359	133	-64.58	12.03	-52.56	-27.6
10024.00	H	-	-	-68.01	13.13	-54.88	-29.9
12530.00	H	-	-	-64.35	13.18	-51.17	-26.2
15036.00	H	-	-	-65.04	14.01	-51.02	-26.0

Table 7-187. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 2593.00 MHz
 OPERATING FREQUENCY (SCC): 2612.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	-	-	-68.32	10.30	-58.02	-33.0
7779.00	H	104	177	-66.91	12.16	-54.75	-29.8
10372.00	H	-	-	-66.74	13.18	-53.56	-28.6
12965.00	H	-	-	-63.99	13.27	-50.73	-25.7
15558.00	H	-	-	-64.16	14.02	-50.14	-25.1

Table 7-188. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2680.00 MHz
OPERATING FREQUENCY (SCC): 2660.20 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	H	-	-	-68.13	10.42	-57.71	-32.7
8040.00	H	107	291	-67.81	12.49	-55.32	-30.3
10720.00	H	-	-	-66.43	13.20	-53.23	-28.2
13400.00	H	-	-	-63.86	13.78	-50.08	-25.1
16080.00	H	-	-	-61.75	13.51	-48.24	-23.2

Table 7-189. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.10.6 ANT 2a (Port-D) Radiated Spurious Emissions Measurements

Band 7

OPERATING FREQUENCY (PCC): 2510.00 MHz
 OPERATING FREQUENCY (SCC): 2529.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-69.22	10.13	-59.09	-34.1
7530.00	H	-	-	-69.73	12.02	-57.72	-32.7
10040.00	H	-	-	-70.29	13.11	-57.17	-32.2

Table 7-190. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 2535.00 MHz
 OPERATING FREQUENCY (SCC): 2554.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-70.11	10.16	-59.95	-35.0
7605.00	H	-	-	-69.49	11.98	-57.51	-32.5
10140.00	H	-	-	-68.95	13.03	-55.92	-30.9

Table 7-191. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2560.00 MHz
OPERATING FREQUENCY (SCC): 2540.20 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-70.84	10.22	-60.62	-35.6
7680.00	H	-	-	-70.83	12.06	-58.77	-33.8
10240.00	H	-	-	-69.46	13.05	-56.40	-31.4

Table 7-192. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 41

OPERATING FREQUENCY (PCC): 2506.00 MHz
 OPERATING FREQUENCY (SCC): 2525.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	-	-	-68.55	10.13	-58.42	-33.4
7518.00	V	266	35	-64.85	12.03	-52.83	-27.8
10024.00	V	-	-	-67.59	13.13	-54.46	-29.5
12530.00	V	-	-	-64.27	13.18	-51.09	-26.1
15036.00	V	-	-	-65.04	14.01	-51.02	-26.0

Table 7-193. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

OPERATING FREQUENCY (PCC): 2593.00 MHz
 OPERATING FREQUENCY (SCC): 2612.80 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	-	-	-68.35	10.30	-58.05	-33.1
7779.00	V	250	15	-62.58	12.16	-50.42	-25.4
10372.00	V	-	-	-66.60	13.18	-53.42	-28.4
12965.00	V	-	-	-64.34	13.27	-51.08	-26.1
15558.00	V	-	-	-63.48	14.02	-49.46	-24.5

Table 7-194. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2680.00 MHz
OPERATING FREQUENCY (SCC): 2660.20 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-68.49	10.42	-58.07	-33.1
8040.00	V	248	25	-64.73	12.49	-52.24	-27.2
10720.00	V	-	-	-66.50	13.20	-53.30	-28.3
13400.00	V	-	-	-64.30	13.78	-50.52	-25.5
16080.00	V	-	-	-61.62	13.51	-48.11	-23.1

Table 7-195. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.11 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI/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 22, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For Part 24, Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI/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

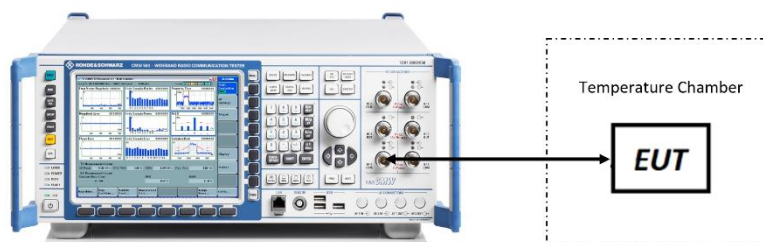


Figure 7-11. Test Instrument & Measurement Setup

Test Notes

1. All ports were tested and only the worst case data were reported.
2. Refer to Table 2-1 Section 2.3 of this test report for correlation between Antennas and Ports.

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Band 71 Frequency Stability Measurements

OPERATING FREQUENCY: 680,500,000 Hz

CHANNEL: 133297

REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	680,500,004	4	0.0000006
100 %		- 20	680,500,004	4	0.0000006
100 %		- 10	680,500,004	4	0.0000007
100 %		0	680,500,005	5	0.0000007
100 %		+ 10	680,500,005	5	0.0000008
100 %		+ 20	680,500,004	4	0.0000006
100 %		+ 30	680,500,004	4	0.0000006
100 %		+ 40	680,500,005	5	0.0000008
100 %		+ 50	680,500,004	4	0.0000006
BATT. ENDPOINT	3.20	+ 20	680,500,003	3	0.0000004

Table 7-196. Frequency Stability Data (Band 71)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 71 Frequency Stability Measurements

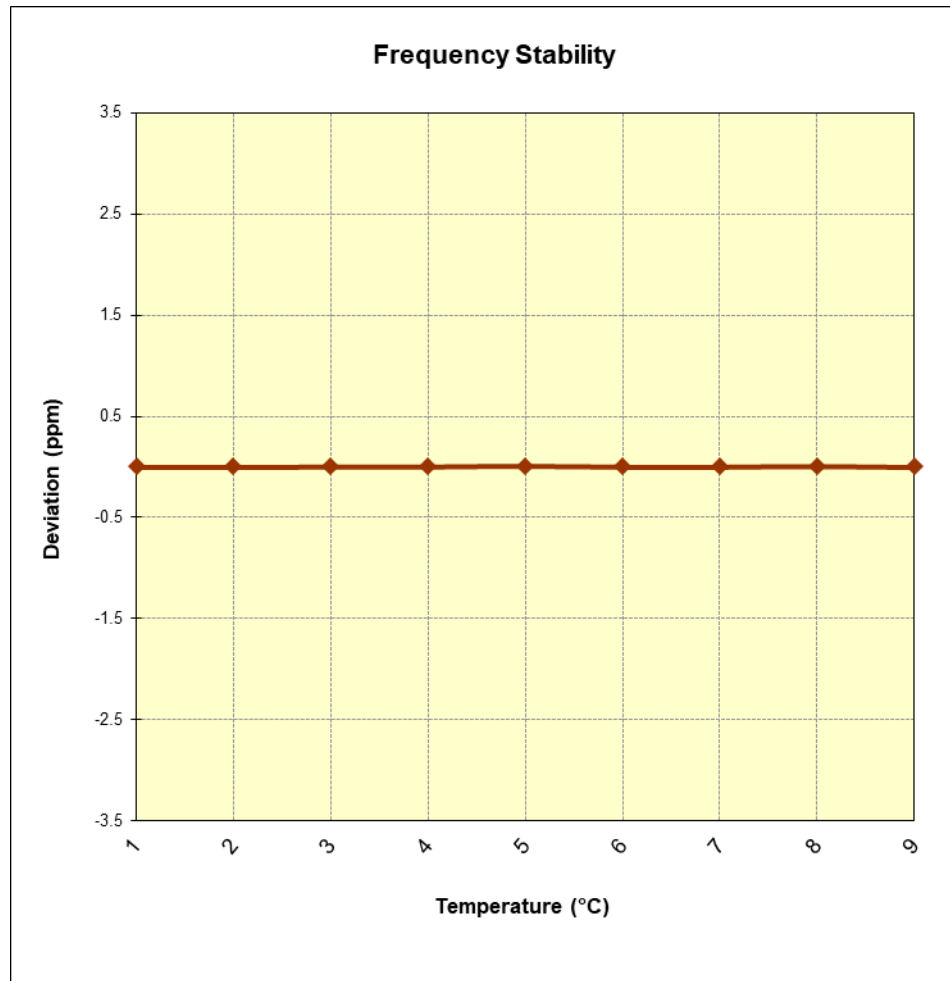


Figure 7-12. Frequency Stability Graph (Band 71)

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Band 12/17 Frequency Stability Measurements

OPERATING FREQUENCY: 707,500,000 Hz

CHANNEL: 23790

REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	707,500,005	5	0.0000007
100 %		- 20	707,500,005	5	0.0000006
100 %		- 10	707,500,004	4	0.0000006
100 %		0	707,500,005	5	0.0000007
100 %		+ 10	707,500,004	4	0.0000005
100 %		+ 20	707,499,996	-4	-0.0000005
100 %		+ 30	707,500,003	3	0.0000005
100 %		+ 40	707,500,004	4	0.0000006
100 %		+ 50	707,500,004	4	0.0000006
BATT. ENDPOINT	3.20	+ 20	707,500,002	2	0.0000003

Table 7-197. Frequency Stability Data (Band 12/17)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 12/17 Frequency Stability Measurements

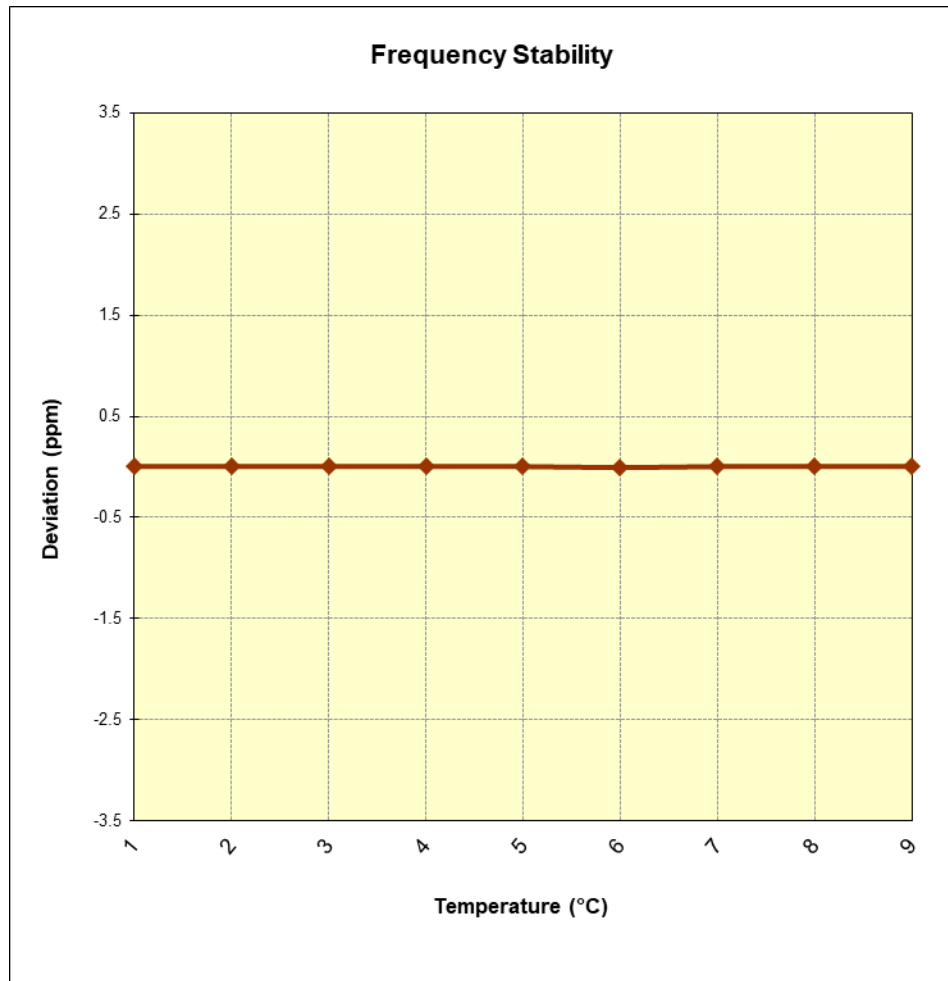


Figure 7-13. Frequency Stability Graph (Band 12/17)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 13 Frequency Stability Measurements

OPERATING FREQUENCY: 782,000,000 Hz

CHANNEL: 23230

REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	781,999,996	-4	-0.0000005
100 %		- 20	781,999,996	-4	-0.0000005
100 %		- 10	782,000,004	4	0.0000005
100 %		0	782,000,003	3	0.0000004
100 %		+ 10	782,000,004	4	0.0000006
100 %		+ 20	782,000,004	4	0.0000006
100 %		+ 30	782,000,004	4	0.0000005
100 %		+ 40	782,000,005	5	0.0000007
100 %		+ 50	782,000,005	5	0.0000007
BATT. ENDPOINT	3.20	+ 20	782,000,004	4	0.0000005

Table 7-198. Frequency Stability Data (Band 13)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 13 Frequency Stability Measurements

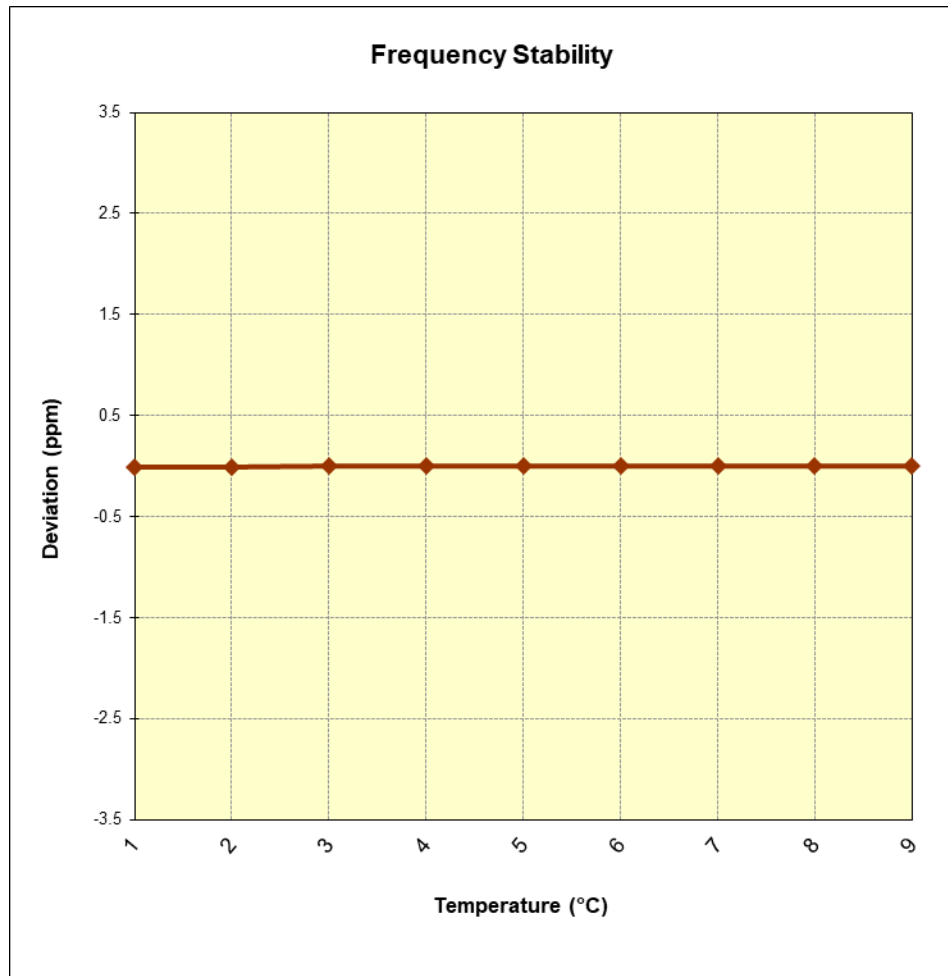


Figure 7-14. Frequency Stability Graph (Band 13)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 26/5 Frequency Stability Measurements

OPERATING FREQUENCY:	836,500,000	Hz
CHANNEL:	26865	
REFERENCE VOLTAGE:	3.80	VDC
DEVIATION LIMIT:	± 0.00025 % or 2.5 ppm	

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	836,500,005	5	0.0000006
100 %		- 20	836,500,004	4	0.0000005
100 %		- 10	836,500,004	4	0.0000005
100 %		0	836,500,004	4	0.0000005
100 %		+ 10	836,500,005	5	0.0000006
100 %		+ 20	836,500,005	5	0.0000006
100 %		+ 30	836,500,006	6	0.0000007
100 %		+ 40	836,500,004	4	0.0000005
100 %		+ 50	836,500,004	4	0.0000005
BATT. ENDPOINT	3.20	+ 20	836,500,006	6	0.0000007

Table 7-199. Frequency Stability Data (Band 26/5)

FCC ID: BCGA2068	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 26/5 Frequency Stability Measurements

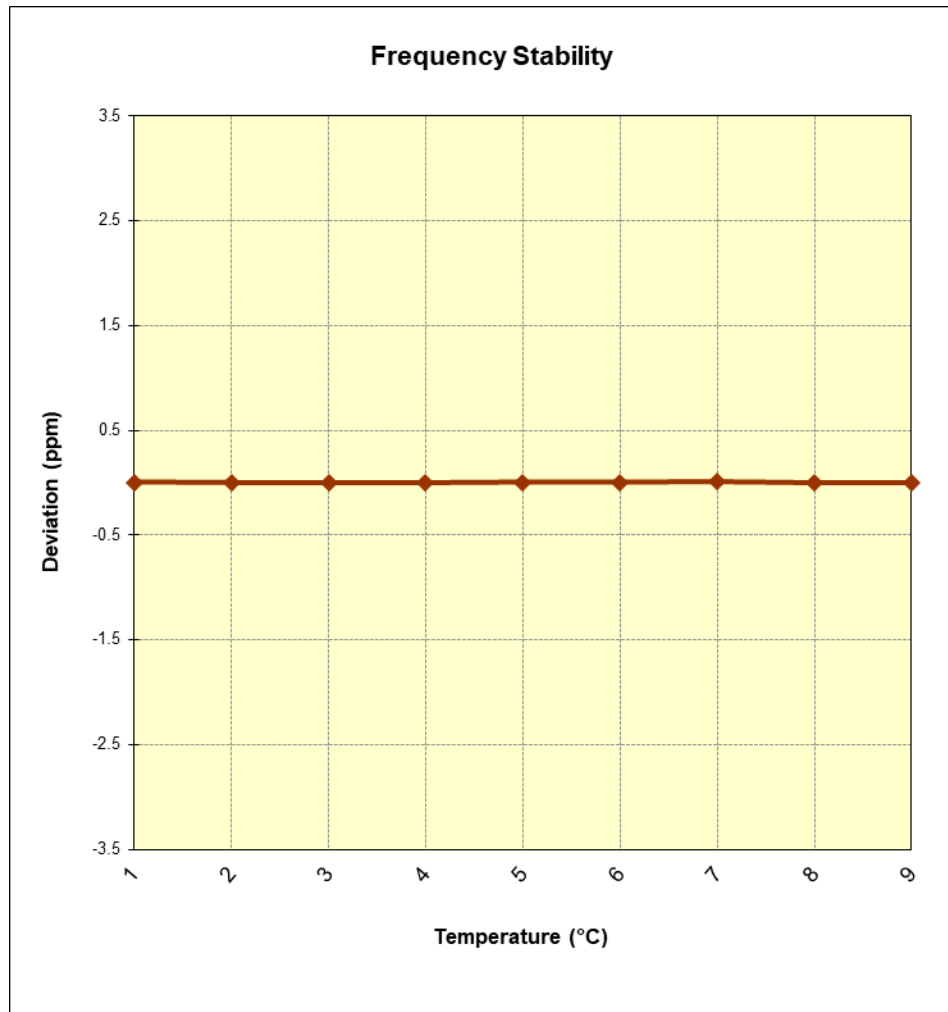


Figure 7-15. Frequency Stability Graph (Band 26/5)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 66/4 Frequency Stability Measurements

OPERATING FREQUENCY: 1,745,000,000 Hz

CHANNEL: 132322

REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,745,000,008	8	0.0000004
100 %		- 20	1,745,000,007	7	0.0000004
100 %		- 10	1,745,000,007	7	0.0000004
100 %		0	1,745,000,008	8	0.0000005
100 %		+ 10	1,745,000,008	8	0.0000005
100 %		+ 20	1,745,000,006	6	0.0000004
100 %		+ 30	1,745,000,006	6	0.0000003
100 %		+ 40	1,745,000,008	8	0.0000005
100 %		+ 50	1,745,000,009	9	0.0000005
BATT. ENDPOINT	3.20	+ 20	1,745,000,003	3	0.0000002

Table 7-200. Frequency Stability Data (Band 66/4)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 66/4 Frequency Stability Measurements

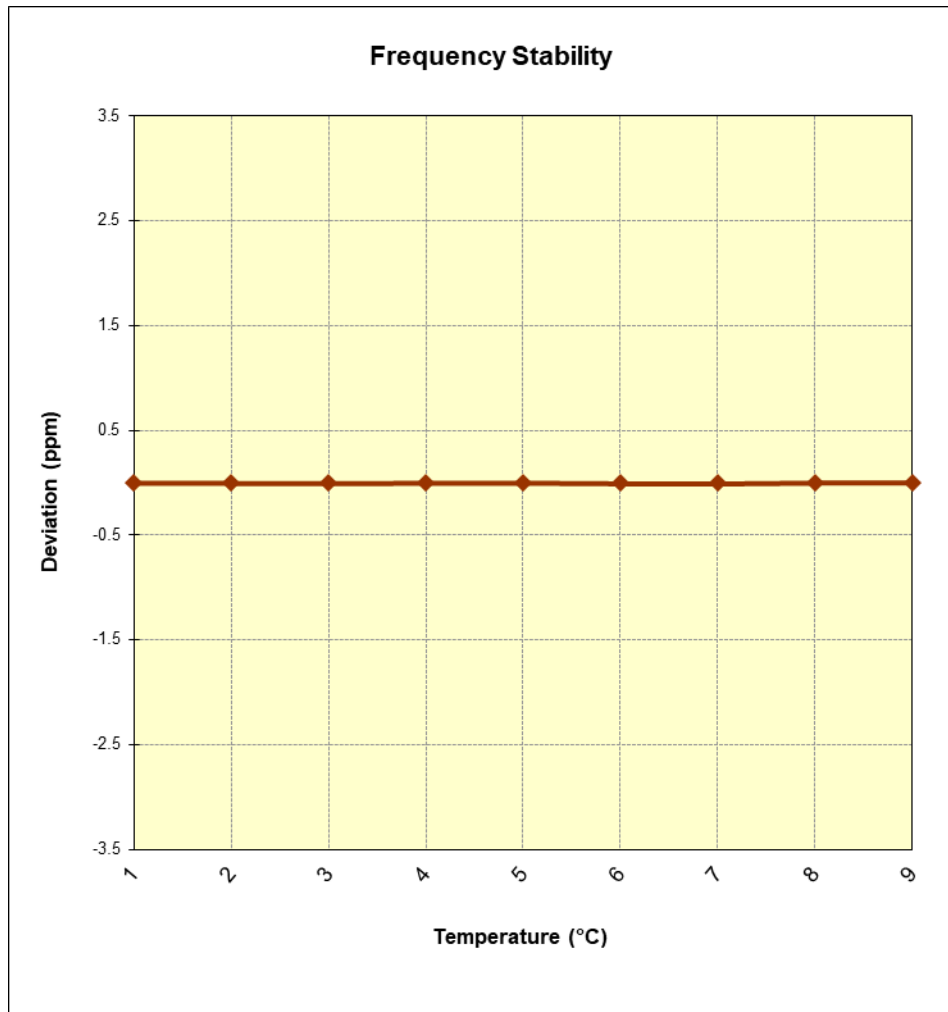


Figure 7-16. Frequency Stability Graph (Band 66/4)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 25/2 Frequency Stability Measurements

OPERATING FREQUENCY: 1,882,500,000 Hz

CHANNEL: 26365

REFERENCE VOLTAGE: 3.80 VDC

DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,882,500,008	8	0.0000004
100 %		- 20	1,882,500,009	9	0.0000005
100 %		- 10	1,882,500,008	8	0.0000004
100 %		0	1,882,500,008	8	0.0000004
100 %		+ 10	1,882,500,007	7	0.0000004
100 %		+ 20	1,882,500,007	7	0.0000004
100 %		+ 30	1,882,500,007	7	0.0000003
100 %		+ 40	1,882,500,007	7	0.0000004
100 %		+ 50	1,882,500,008	8	0.0000004
BATT. ENDPOINT	3.20	+ 20	1,882,500,005	5	0.0000003

Table 7-201. Frequency Stability Data (Band 25/2)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 25/2 Frequency Stability Measurements

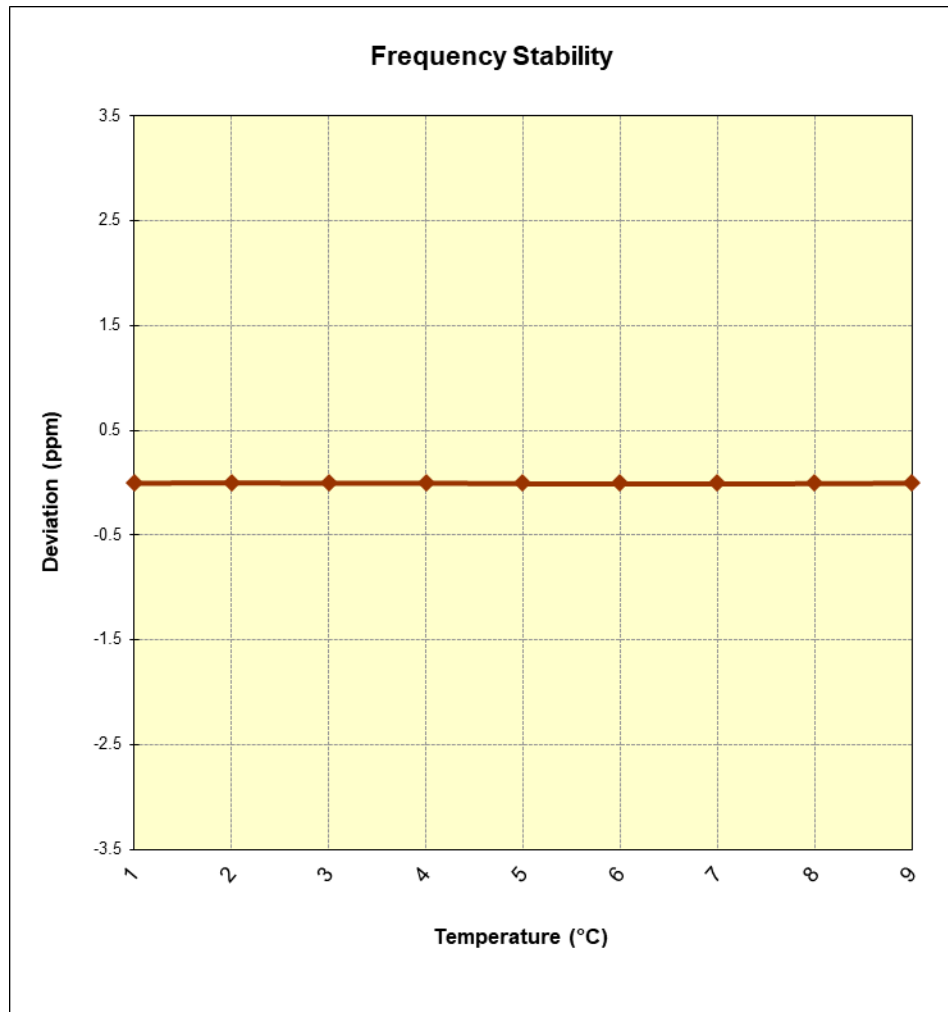


Figure 7-17. Frequency Stability Graph (Band 25/2)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 30 Frequency Stability Measurements

OPERATING FREQUENCY: 2,310,000,000 Hz

CHANNEL: 27710

REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,310,000,012	12	0.0000005
100 %		- 20	2,310,000,013	13	0.0000005
100 %		- 10	2,310,000,012	12	0.0000005
100 %		0	2,310,000,011	11	0.0000005
100 %		+ 10	2,310,000,013	13	0.0000005
100 %		+ 20	2,310,000,009	9	0.0000004
100 %		+ 30	2,310,000,010	10	0.0000004
100 %		+ 40	2,310,000,009	9	0.0000004
100 %		+ 50	2,310,000,010	10	0.0000005
BATT. ENDPOINT	3.20	+ 20	2,310,000,011	11	0.0000005

Table 7-202. Frequency Stability Data (Band 30)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 30 Frequency Stability Measurements

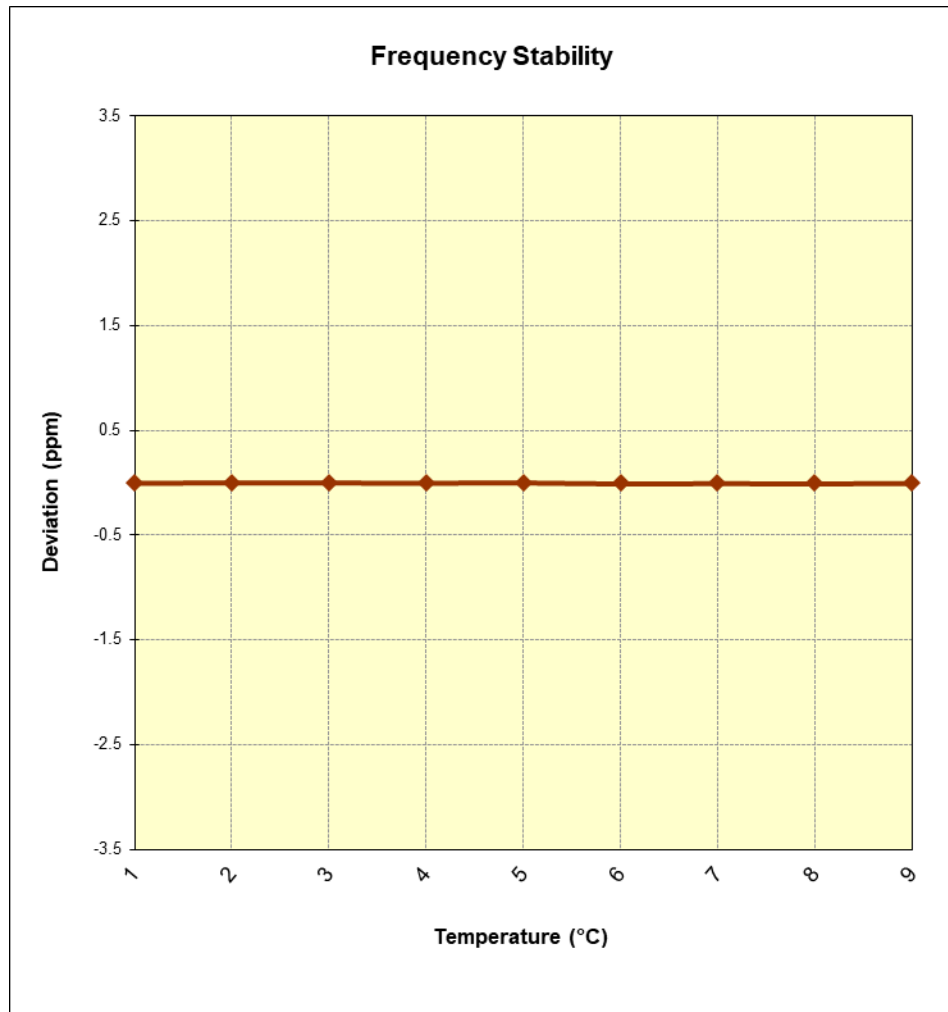


Figure 7-18. Frequency Stability Graph (Band 30)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 7 Frequency Stability Measurements

OPERATING FREQUENCY:	2,535,000,000	Hz
CHANNEL:	21100	
REFERENCE VOLTAGE:	3.80	VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,535,000,011	11	0.0000004
100 %		- 20	2,535,000,010	10	0.0000004
100 %		- 10	2,535,000,011	11	0.0000004
100 %		0	2,535,000,011	11	0.0000004
100 %		+ 10	2,535,000,010	10	0.0000004
100 %		+ 20	2,535,000,011	11	0.0000004
100 %		+ 30	2,535,000,011	11	0.0000004
100 %		+ 40	2,535,000,011	11	0.0000004
100 %		+ 50	2,535,000,011	11	0.0000004
BATT. ENDPOINT	3.20	+ 20	2,535,000,009	9	0.0000004

Table 7-203. Frequency Stability Data (Band 7)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 7 Frequency Stability Measurements

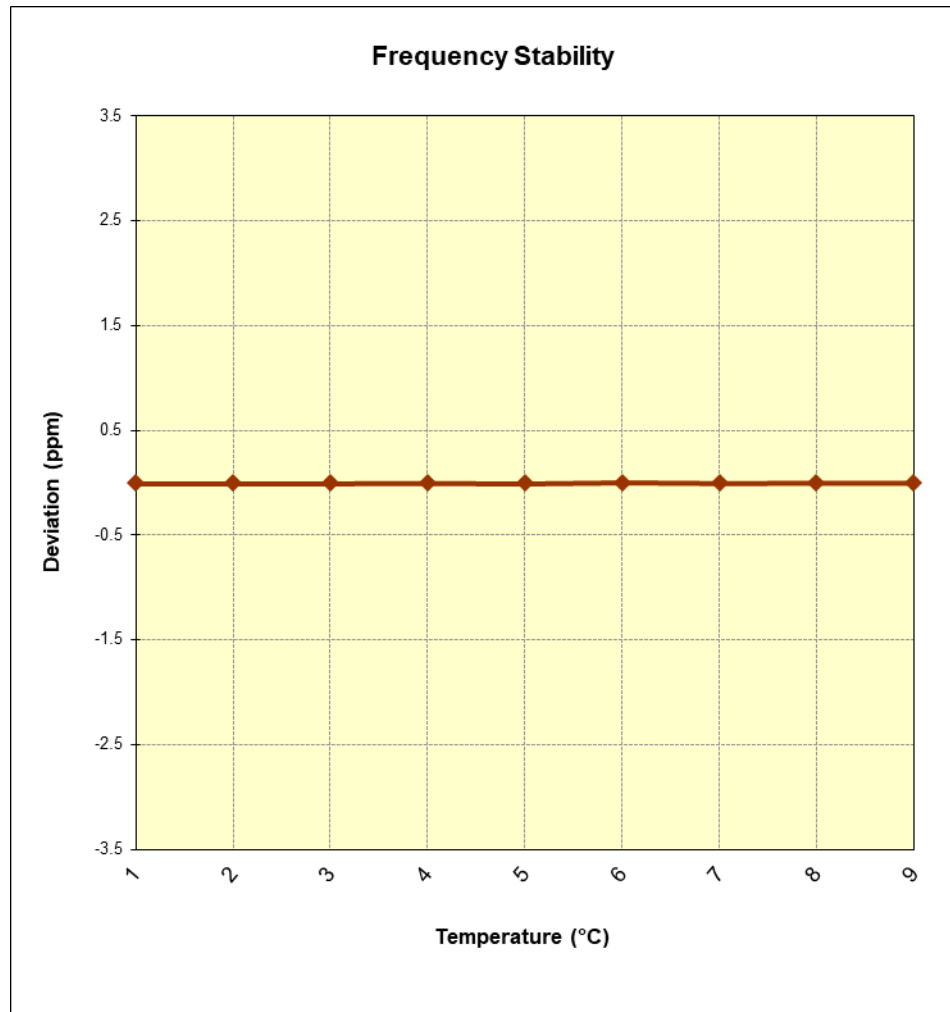


Figure 7-19. Frequency Stability Graph (Band 7)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 41 Frequency Stability Measurements

OPERATING FREQUENCY:	2,593,000,000	Hz
CHANNEL:	40620	
REFERENCE VOLTAGE:	3.80	VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,593,000,020	20	0.0000008
100 %		- 20	2,593,000,020	20	0.0000008
100 %		- 10	2,593,000,019	19	0.0000007
100 %		0	2,593,000,020	20	0.0000008
100 %		+ 10	2,593,000,016	16	0.0000006
100 %		+ 20	2,593,000,015	15	0.0000006
100 %		+ 30	2,593,000,017	17	0.0000006
100 %		+ 40	2,593,000,018	18	0.0000007
100 %		+ 50	2,593,000,018	18	0.0000007
BATT. ENDPOINT	3.20	+ 20	2,593,000,022	22	0.0000008

Table 7-204. Frequency Stability Data (Band 41)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 41 Frequency Stability Measurements

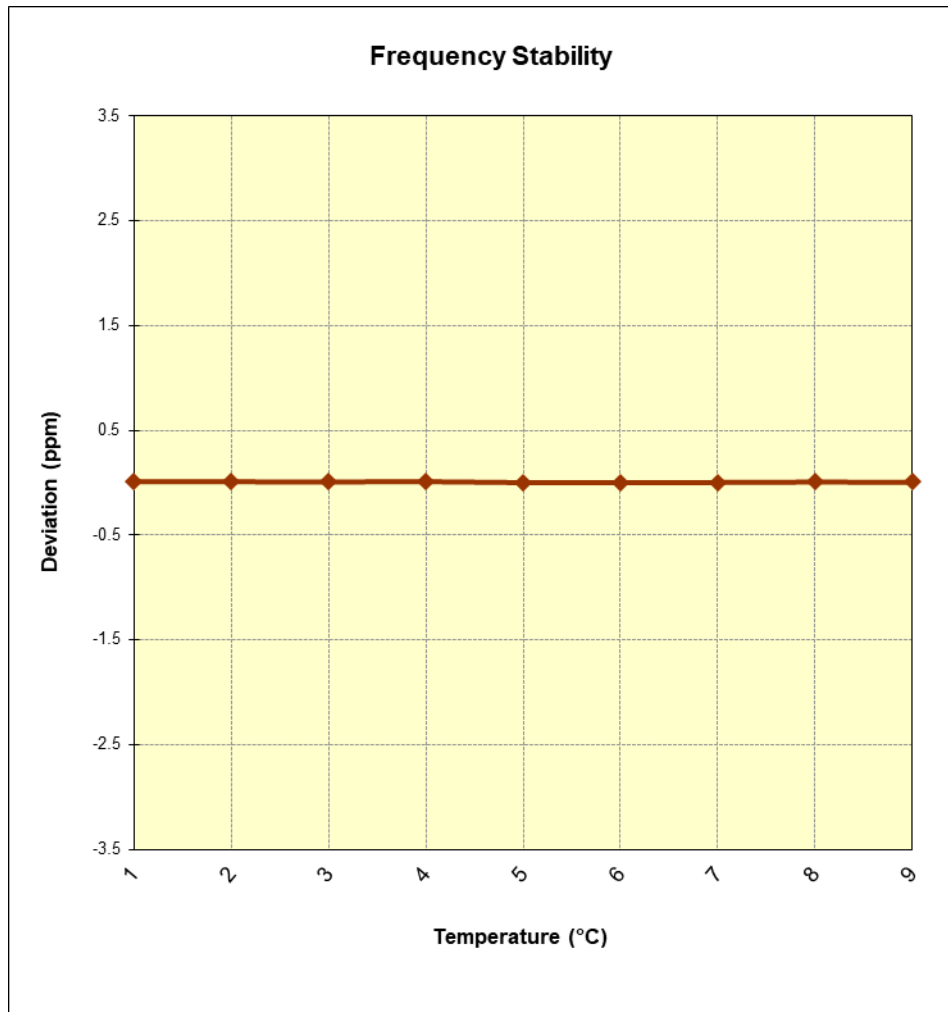


Figure 7-20. Frequency Stability Graph (Band 41)

FCC ID: BCGA2068		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2068** complies with all the requirements of Part 22, 24, & 27 of the FCC Rules for LTE operation only.

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