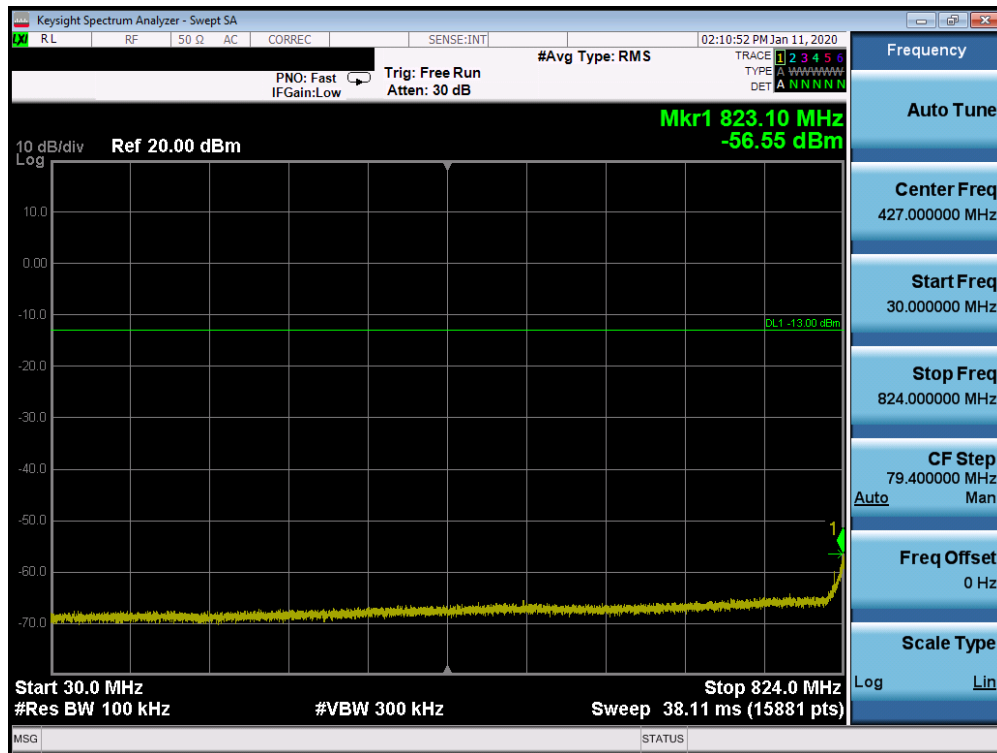
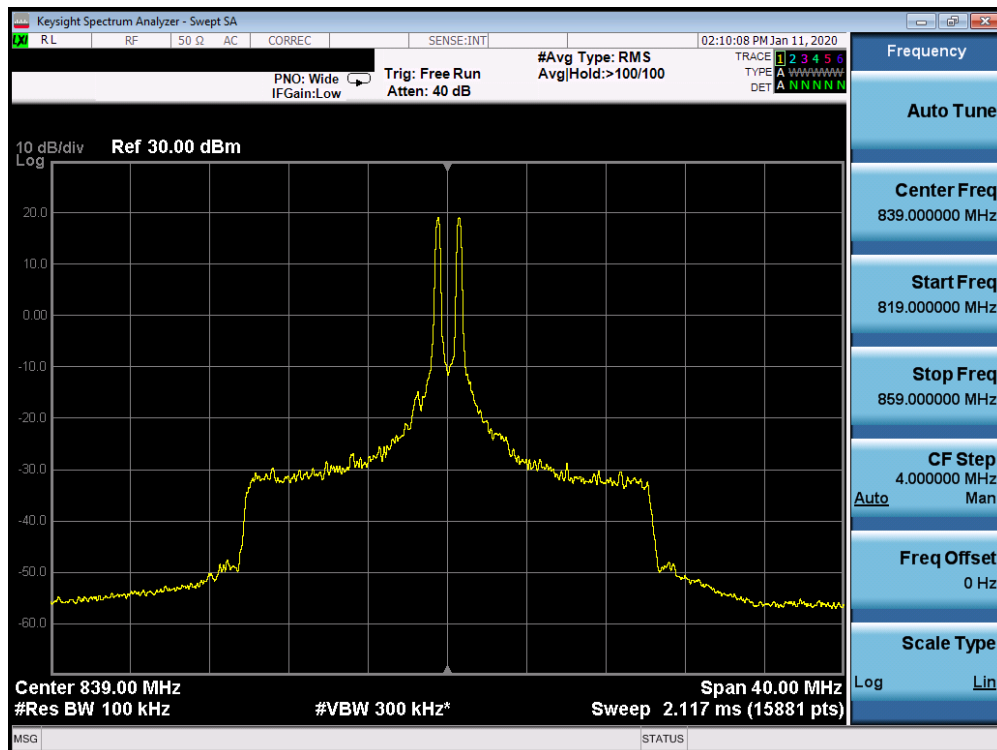


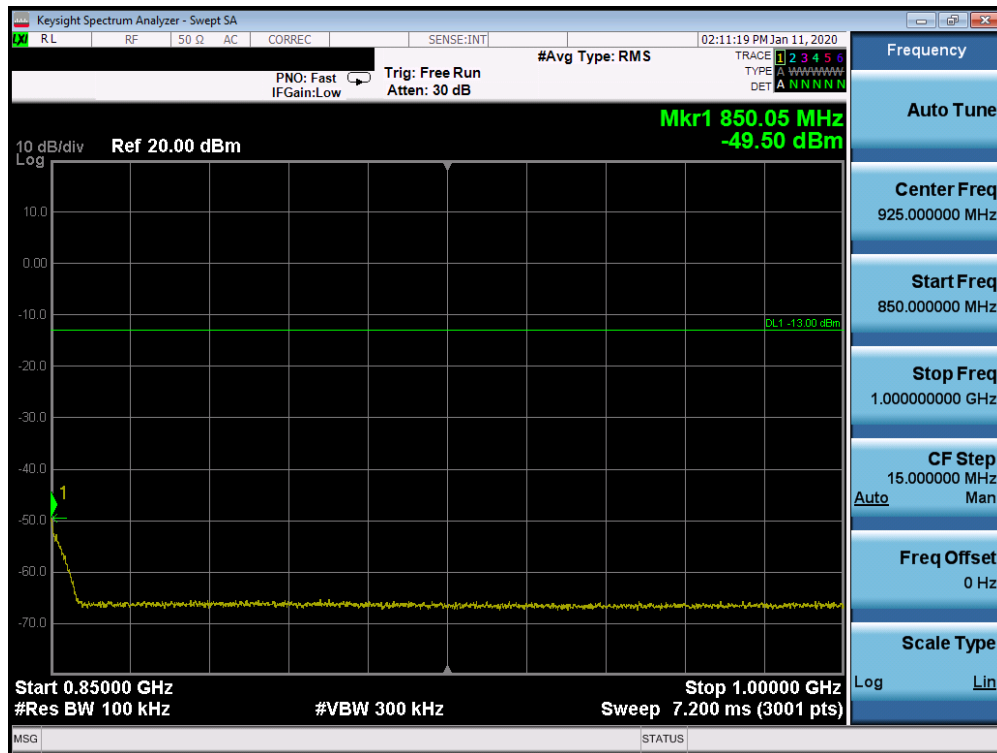


Plot 7-430. Conducted Spurious Plot (Band 5 – 10.0MHz QPSK – PCC 1/49 SCC 1/0 – High Channel)

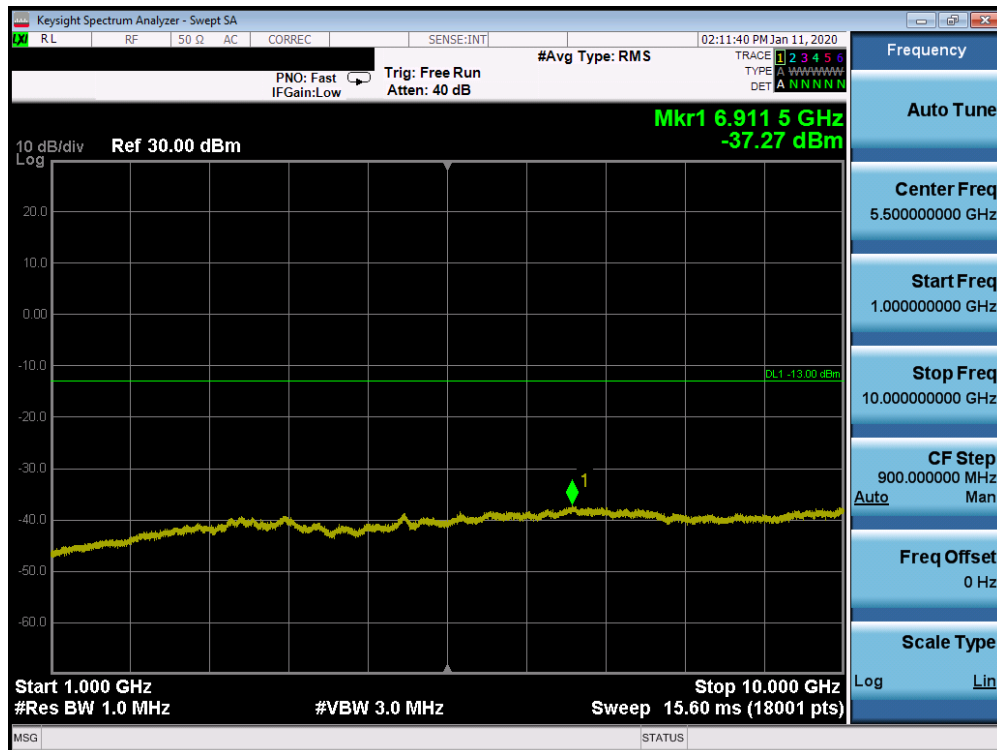


Plot 7-431. Conducted Spurious Plot (Band 5 – 10.0MHz QPSK – PCC 1/49 SCC 1/0 – High Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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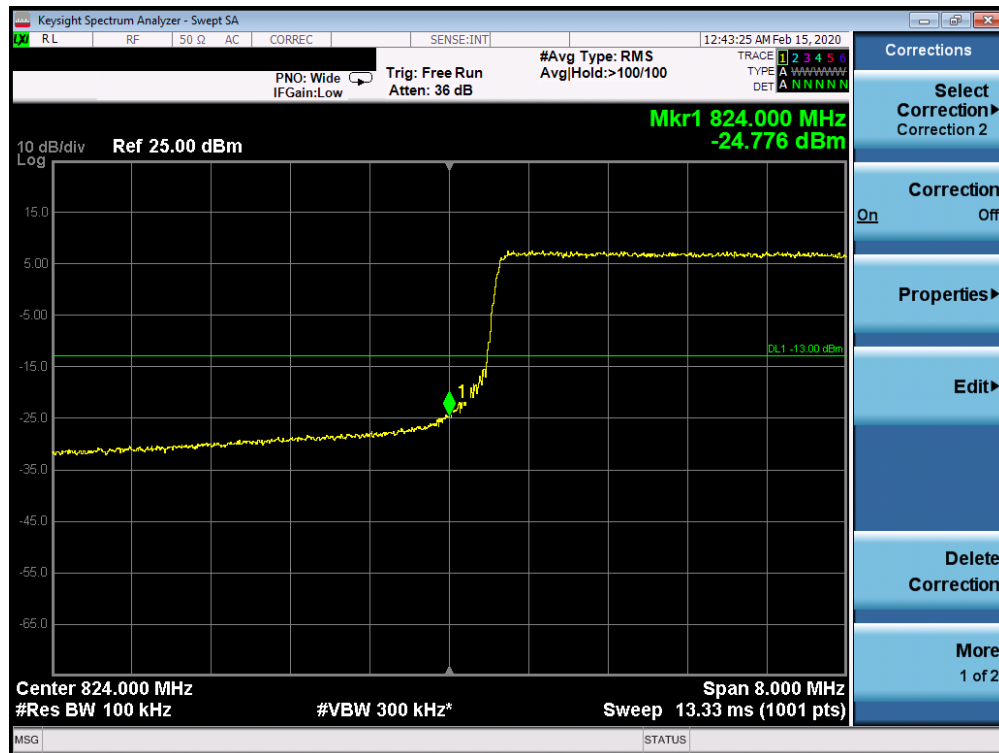


Plot 7-432. Conducted Spurious Plot (Band 5 – 10.0MHz QPSK – PCC 1/49 SCC 1/0 – High Channel)

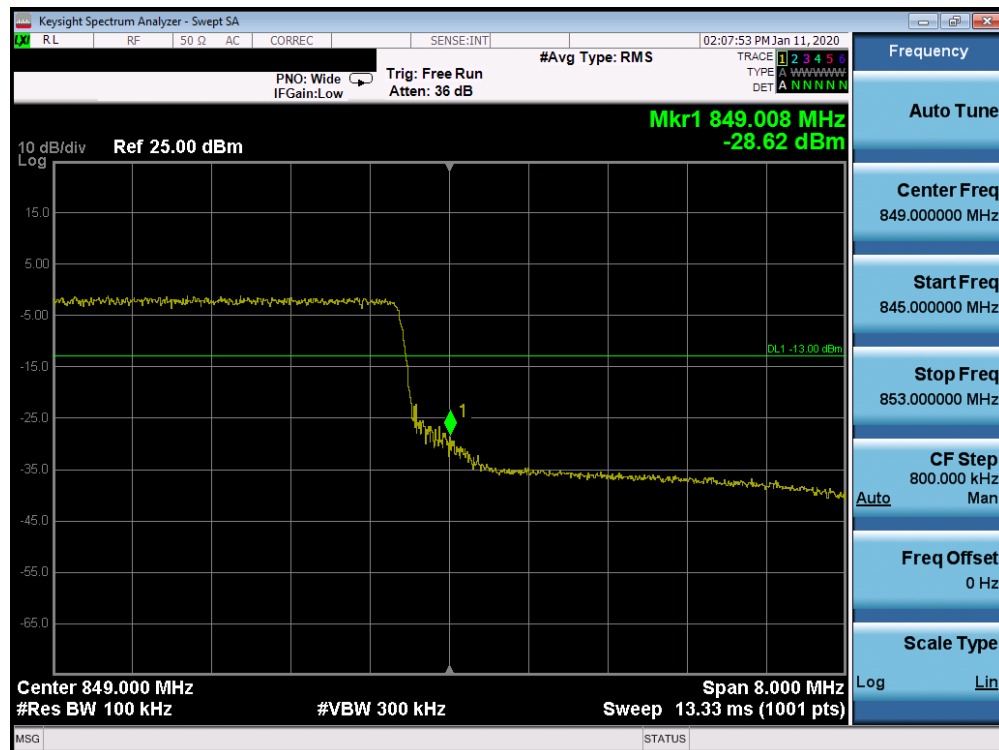


Plot 7-433. Conducted Spurious Plot (Band 5 – 10.0MHz QPSK – PCC 1/49 SCC 1/0 – High Channel)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Plot 7-434. Lower ACP Plot (Band 5 QPSK – PCC:10 MHz SCC:10 MHz – Full RB)

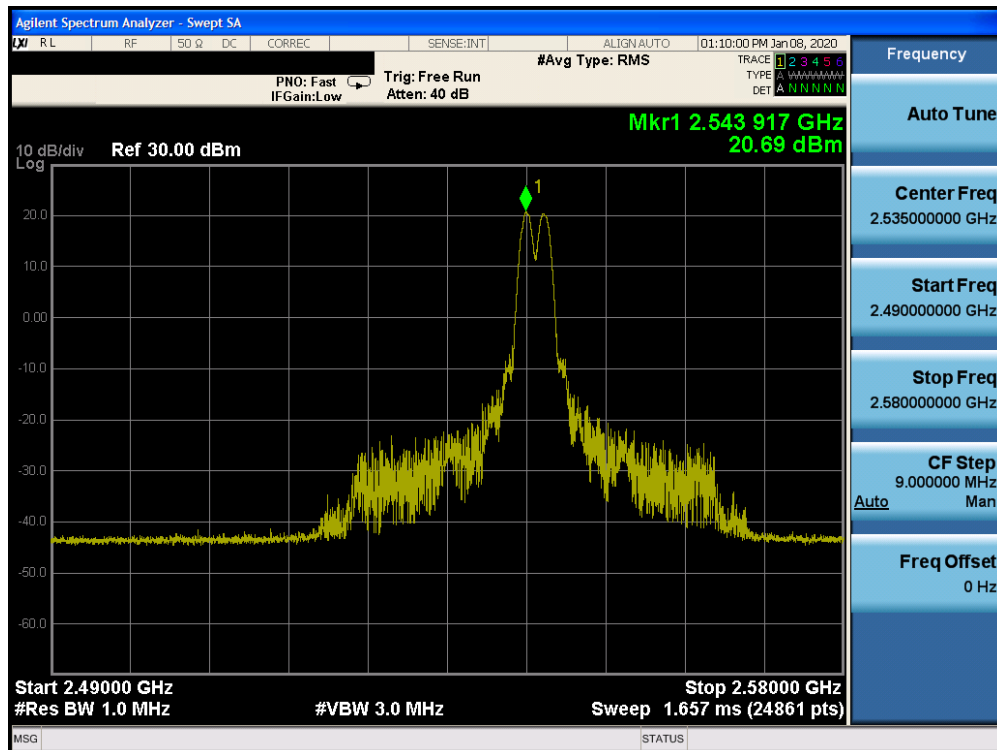


Plot 7-435. Upper ACP Plot (Band 5 QPSK – PCC:10 MHz SCC:10 MHz – Full RB)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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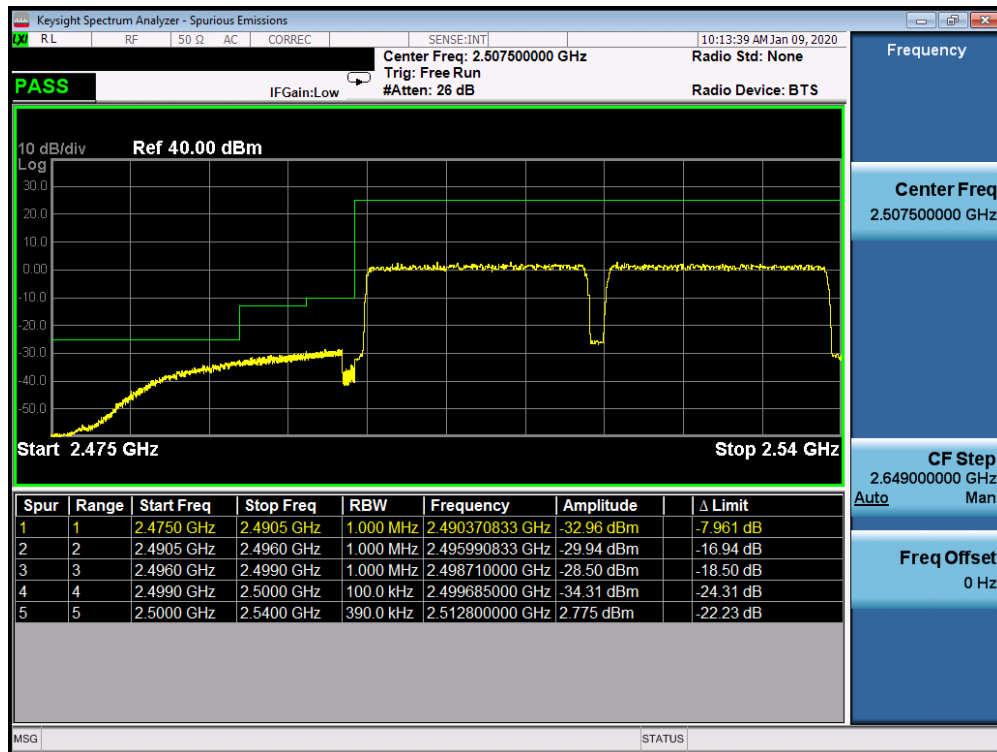


Plot 7-436. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

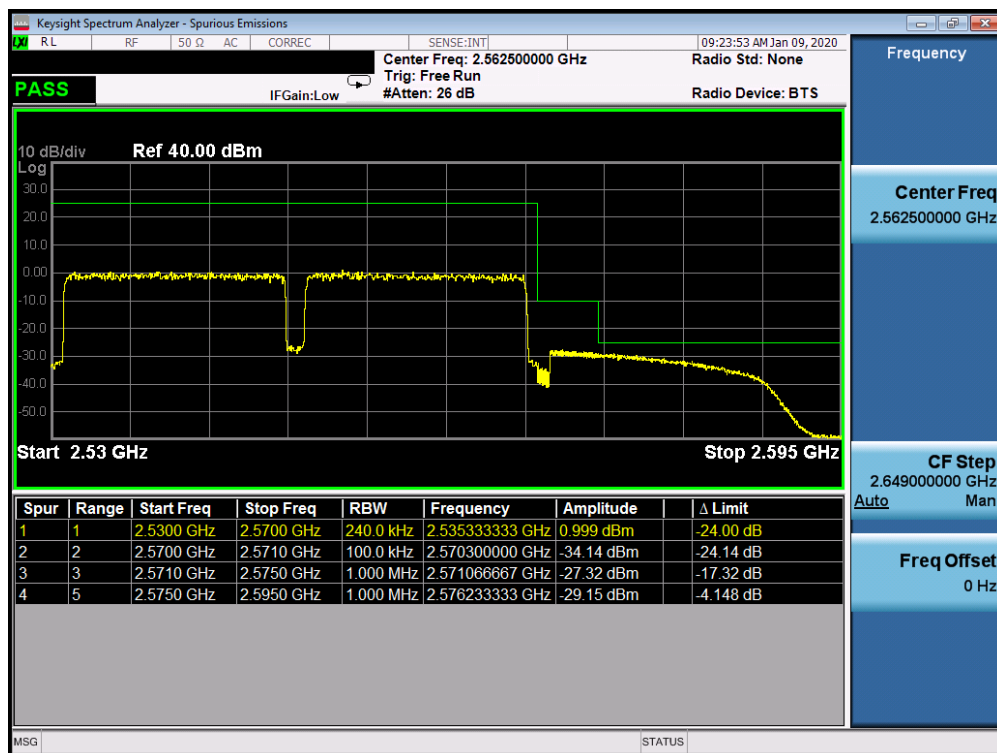


Plot 7-437. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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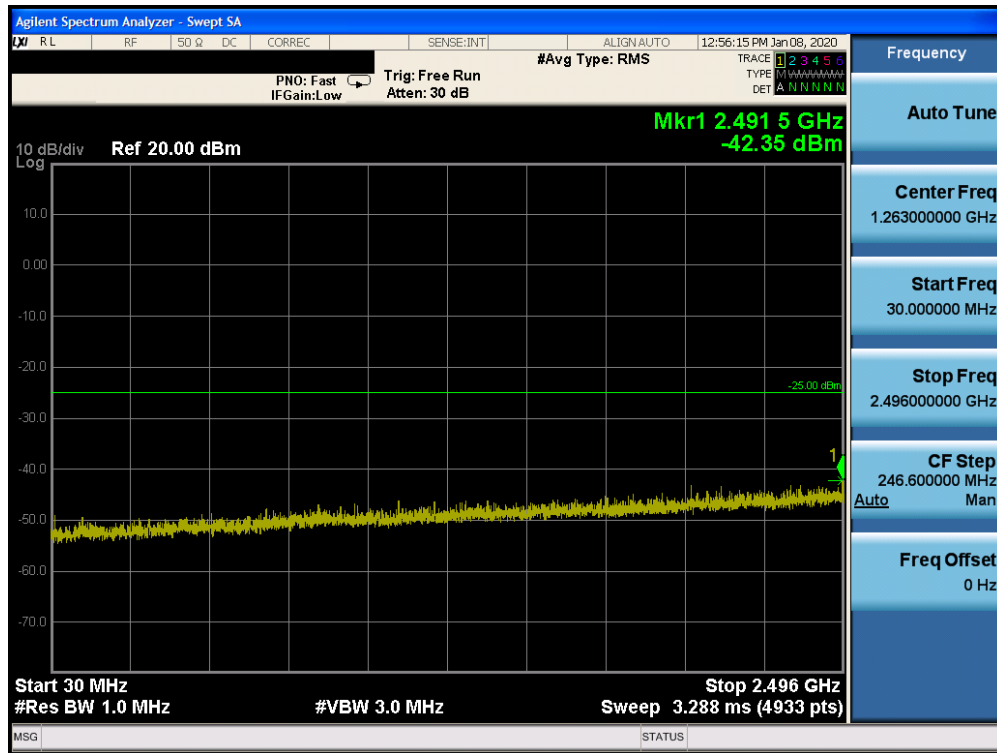


Plot 7-440. Lower ACP Plot (Band 7 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

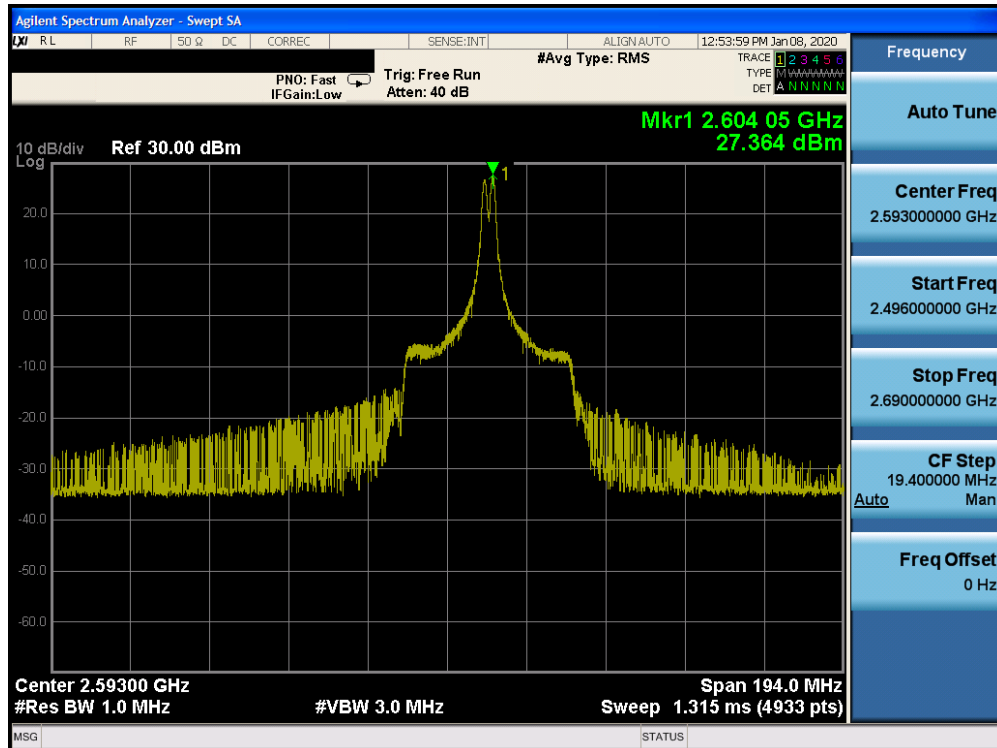


Plot 7-441. Upper ACP Plot (Band 7 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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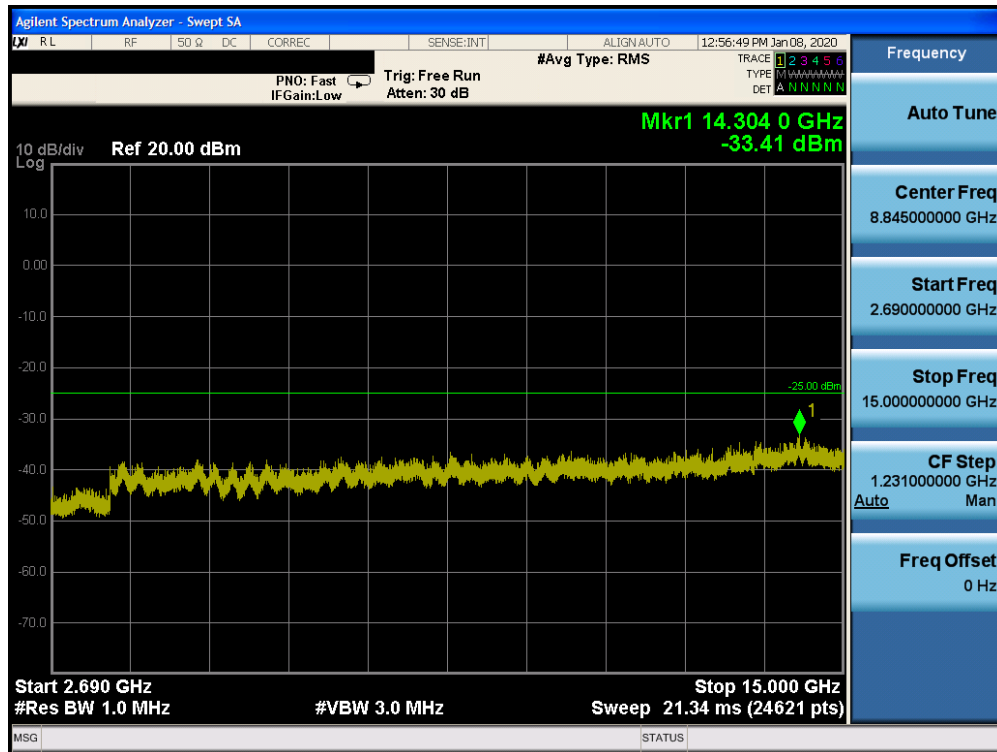


Plot 7-442. Conducted Spurious Plot (41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

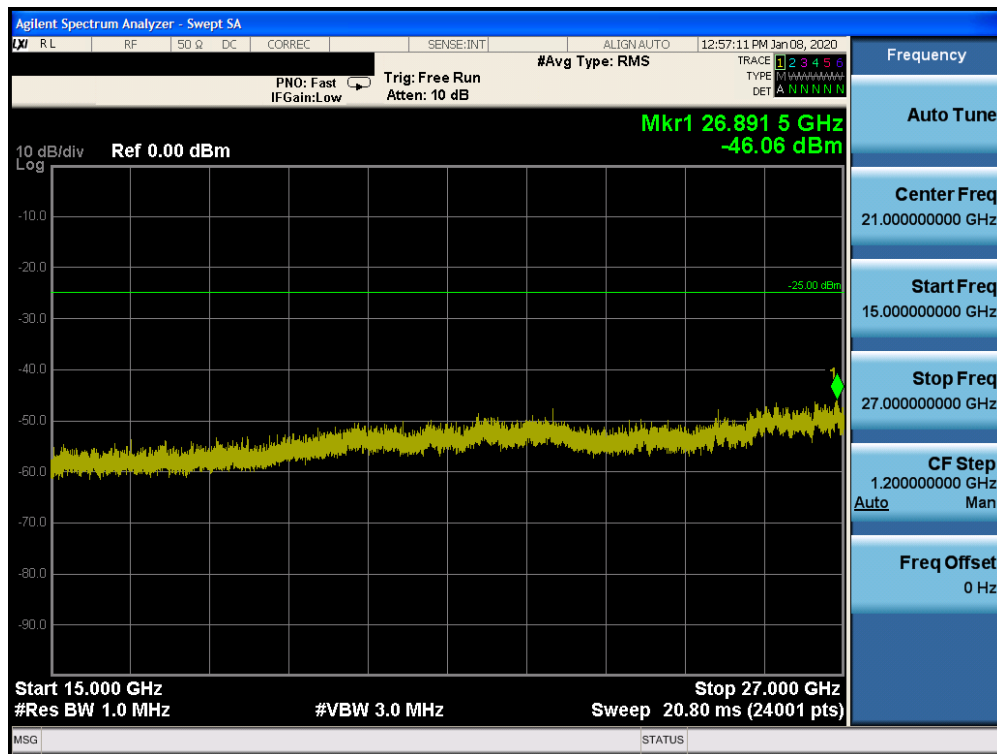


Plot 7-443. Conducted Spurious Plot (41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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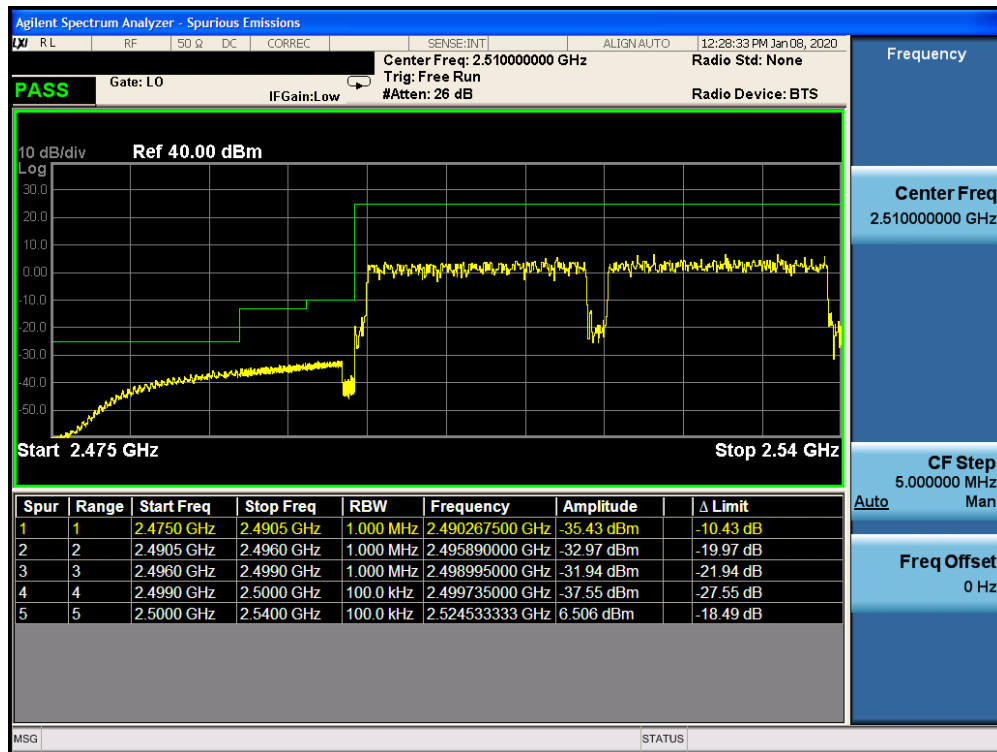


Plot 7-444. Conducted Spurious Plot (41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)



Plot 7-445. Conducted Spurious Plot (41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2069	PCTEST	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)

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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	-2.30	21.25	0.133	34.77	-13.52
680.50	5	QPSK	1 / 24	25.56	-2.30	21.11	0.129	34.77	-13.66
695.50	5	QPSK	1 / 0	25.48	-2.30	21.03	0.127	34.77	-13.74
665.50	5	16-QAM	1 / 0	24.90	-2.30	20.45	0.111	34.77	-14.32
665.50	5	64-QAM	1 / 0	23.86	-2.30	19.41	0.087	34.77	-15.36
668.00	10	QPSK	1 / 0	25.70	-2.30	21.25	0.133	34.77	-13.52
680.50	10	QPSK	1 / 49	25.61	-2.30	21.16	0.131	34.77	-13.61
693.00	10	QPSK	1 / 0	25.63	-2.30	21.18	0.131	34.77	-13.59
668.00	10	16-QAM	1 / 49	24.90	-2.30	20.45	0.111	34.77	-14.32
668.00	10	64-QAM	1 / 0	24.02	-2.30	19.57	0.091	34.77	-15.20
670.50	15	QPSK	1 / 0	25.70	-2.30	21.25	0.133	34.77	-13.52
680.50	15	QPSK	75 / 0	25.44	-2.30	20.99	0.126	34.77	-13.78
690.50	15	QPSK	1 / 0	25.37	-2.30	20.92	0.124	34.77	-13.85
670.50	15	16-QAM	1 / 38	24.89	-2.30	20.44	0.111	34.77	-14.33
670.50	15	64-QAM	1 / 0	23.97	-2.30	19.52	0.090	34.77	-15.25
673.00	20	QPSK	1 / 99	25.47	-2.30	21.02	0.126	34.77	-13.75
680.50	20	QPSK	1 / 99	25.70	-2.30	21.25	0.133	34.77	-13.52
688.00	20	QPSK	100 / 0	25.47	-2.30	21.02	0.126	34.77	-13.75
680.50	20	16-QAM	1 / 99	24.74	-2.30	20.29	0.107	34.77	-14.48
680.50	20	64-QAM	1 / 99	23.84	-2.30	19.39	0.087	34.77	-15.38

Table 7-36. ERP Data (Band 71)

FCC ID: BCGA2069	 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	25.42	-2.30	20.97	0.125	34.77	-13.80	23.12	0.205	36.99	-13.87
707.50	1.4	QPSK	1 / 5	25.54	-2.30	21.09	0.129	34.77	-13.68	23.24	0.211	36.99	-13.75
715.30	1.4	QPSK	1 / 0	25.70	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
715.30	1.4	16-QAM	1 / 0	24.78	-2.30	20.33	0.108	34.77	-14.44	22.48	0.177	36.99	-14.51
715.30	1.4	64-QAM	1 / 0	23.82	-2.30	19.37	0.086	34.77	-15.40	21.52	0.142	36.99	-15.47
700.50	3	QPSK	1 / 14	25.60	-2.30	21.15	0.130	34.77	-13.62	23.30	0.214	36.99	-13.69
707.50	3	QPSK	1 / 8	25.70	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
714.50	3	QPSK	1 / 8	25.65	-2.30	21.20	0.132	34.77	-13.57	23.35	0.216	36.99	-13.64
707.50	3	16-QAM	1 / 14	24.92	-2.30	20.47	0.111	34.77	-14.30	22.62	0.183	36.99	-14.37
707.50	3	64-QAM	1 / 8	24.06	-2.30	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
701.50	5	QPSK	1 / 24	25.53	-2.30	21.08	0.128	34.77	-13.69	23.23	0.210	36.99	-13.76
707.50	5	QPSK	1 / 12	25.70	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
713.50	5	QPSK	1 / 0	25.48	-2.30	21.03	0.127	34.77	-13.74	23.18	0.208	36.99	-13.81
707.50	5	16-QAM	1 / 12	24.84	-2.30	20.39	0.109	34.77	-14.38	22.54	0.179	36.99	-14.45
707.50	5	64-QAM	1 / 12	23.88	-2.30	19.43	0.088	34.77	-15.34	21.58	0.144	36.99	-15.41
704.00	10	QPSK	1 / 49	25.70	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
707.50	10	QPSK	1 / 25	25.62	-2.30	21.17	0.131	34.77	-13.60	23.32	0.215	36.99	-13.67
711.00	10	QPSK	1 / 0	25.65	-2.30	21.20	0.132	34.77	-13.57	23.35	0.216	36.99	-13.64
704.00	10	16-QAM	1 / 49	24.87	-2.30	20.42	0.110	34.77	-14.35	22.57	0.181	36.99	-14.42
704.00	10	64-QAM	1 / 49	23.86	-2.30	19.41	0.087	34.77	-15.36	21.56	0.143	36.99	-15.43

Table 7-37. ERP Data (Band 12)

FCC ID: BCGA2069	 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]
706.50	5	QPSK	1 / 24	25.64	-2.30	21.19	0.132	34.77	-13.58	23.34	0.216	36.99	-13.65
710.00	5	QPSK	1 / 0	25.70	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
713.50	5	QPSK	1 / 0	25.47	-2.30	21.02	0.126	34.77	-13.75	23.17	0.207	36.99	-13.82
710.00	5	16-QAM	1 / 24	24.72	-2.30	20.27	0.106	34.77	-14.50	22.42	0.175	36.99	-14.57
710.00	5	64-QAM	1 / 0	23.83	-2.30	19.38	0.087	34.77	-15.39	21.53	0.142	36.99	-15.46
709.00	10	QPSK	1 / 25	25.67	-2.30	21.22	0.132	34.77	-13.55	23.37	0.217	36.99	-13.62
710.00	10	QPSK	1 / 49	25.70	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
711.00	10	QPSK	1 / 0	25.70	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
710.00	10	16-QAM	1 / 25	24.86	-2.30	20.41	0.110	34.77	-14.36	22.56	0.180	36.99	-14.43
710.00	10	64-QAM	1 / 49	24.14	-2.30	19.69	0.093	34.77	-15.08	21.84	0.153	36.99	-15.15

Table 7-38. ERP Data (Band 17)

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	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
782.00	5	QPSK	1 / 24	25.66	-2.30	21.21	0.132	34.77	-13.56	23.36	0.217	36.99	-13.63
784.50	5	QPSK	1 / 24	25.57	-2.30	21.12	0.129	34.77	-13.65	23.27	0.212	36.99	-13.72
779.50	5	16-QAM	1 / 0	24.89	-2.30	20.44	0.111	34.77	-14.33	22.59	0.182	36.99	-14.40
779.50	5	64-QAM	1 / 0	23.87	-2.30	19.42	0.087	34.77	-15.35	21.57	0.144	36.99	-15.42
782.00	10	QPSK	1 / 49	25.70	-2.30	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
782.00	10	16-QAM	1 / 0	24.92	-2.30	20.47	0.111	34.77	-14.30	22.62	0.183	36.99	-14.37
782.00	10	64-QAM	1 / 0	24.18	-2.30	19.73	0.094	34.77	-15.04	21.88	0.154	36.99	-15.11

Table 7-39. ERP Data (Band 13)

FCC ID: BCGA2069	 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 / 3	25.56	-1.90	21.51	0.142	38.45	-16.94	23.66	0.232	40.61	-16.95
836.50	1.4	QPSK	1 / 5	25.42	-1.90	21.37	0.137	38.45	-17.08	23.52	0.225	40.61	-17.09
848.30	1.4	QPSK	1 / 5	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
848.30	1.4	16-QAM	1 / 5	24.81	-1.90	20.76	0.119	38.45	-17.69	22.91	0.195	40.61	-17.70
848.30	1.4	64-QAM	1 / 3	23.89	-1.90	19.84	0.096	38.45	-18.61	21.99	0.158	40.61	-18.62
825.50	3	QPSK	1 / 0	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
836.50	3	QPSK	1 / 8	25.64	-1.90	21.59	0.144	38.45	-16.86	23.74	0.237	40.61	-16.87
847.50	3	QPSK	1 / 8	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
825.50	3	16-QAM	1 / 8	24.83	-1.90	20.78	0.120	38.45	-17.67	22.93	0.196	40.61	-17.68
825.50	3	64-QAM	1 / 8	23.87	-1.90	19.82	0.096	38.45	-18.63	21.97	0.157	40.61	-18.64
826.50	5	QPSK	1 / 0	25.62	-1.90	21.57	0.144	38.45	-16.88	23.72	0.236	40.61	-16.89
836.50	5	QPSK	1 / 24	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
846.50	5	QPSK	1 / 24	25.56	-1.90	21.51	0.142	38.45	-16.94	23.66	0.232	40.61	-16.95
836.50	5	16-QAM	1 / 24	24.85	-1.90	20.80	0.120	38.45	-17.65	22.95	0.197	40.61	-17.66
836.50	5	64-QAM	1 / 24	23.99	-1.90	19.94	0.099	38.45	-18.51	22.09	0.162	40.61	-18.52
829.00	10	QPSK	1 / 0	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
836.50	10	QPSK	1 / 25	25.56	-1.90	21.51	0.142	38.45	-16.94	23.66	0.232	40.61	-16.95
844.00	10	QPSK	1 / 49	25.66	-1.90	21.61	0.145	38.45	-16.84	23.76	0.238	40.61	-16.85
829.00	10	16-QAM	1 / 25	24.88	-1.90	20.83	0.121	38.45	-17.62	22.98	0.199	40.61	-17.63
829.00	10	64-QAM	1 / 25	23.78	-1.90	19.73	0.094	38.45	-18.72	21.88	0.154	40.61	-18.73

Table 7-40. ERP Data (Band 5)

FCC ID: BCGA2069	 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	25.54	-1.90	21.49	0.141	38.45	-16.96	23.64	0.231	40.61	-16.97
836.50	1.4	QPSK	1 / 5	25.45	-1.90	21.40	0.138	38.45	-17.05	23.55	0.226	40.61	-17.06
848.30	1.4	QPSK	1 / 3	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
848.30	1.4	16-QAM	1 / 5	25.00	-1.90	20.95	0.124	38.45	-17.50	23.10	0.204	40.61	-17.51
848.30	1.4	64-QAM	1 / 5	23.91	-1.90	19.86	0.097	38.45	-18.59	22.01	0.159	40.61	-18.60
825.50	3	QPSK	1 / 0	25.69	-1.90	21.64	0.146	38.45	-16.81	23.79	0.239	40.61	-16.82
836.50	3	QPSK	1 / 8	25.62	-1.90	21.57	0.144	38.45	-16.88	23.72	0.236	40.61	-16.89
847.50	3	QPSK	1 / 8	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
847.50	3	16-QAM	1 / 14	24.82	-1.90	20.77	0.119	38.45	-17.68	22.92	0.196	40.61	-17.69
847.50	3	64-QAM	1 / 8	24.10	-1.90	20.05	0.101	38.45	-18.40	22.20	0.166	40.61	-18.41
826.50	5	QPSK	1 / 0	25.60	-1.90	21.55	0.143	38.45	-16.90	23.70	0.234	40.61	-16.91
836.50	5	QPSK	1 / 24	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
846.50	5	QPSK	1 / 24	25.57	-1.90	21.52	0.142	38.45	-16.93	23.67	0.233	40.61	-16.94
836.50	5	16-QAM	1 / 24	24.78	-1.90	20.73	0.118	38.45	-17.72	22.88	0.194	40.61	-17.73
836.50	5	64-QAM	1 / 24	23.90	-1.90	19.85	0.097	38.45	-18.60	22.00	0.158	40.61	-18.61
829.00	10	QPSK	1 / 0	25.69	-1.90	21.64	0.146	38.45	-16.81	23.79	0.239	40.61	-16.82
836.50	10	QPSK	1 / 49	25.60	-1.90	21.55	0.143	38.45	-16.90	23.70	0.234	40.61	-16.91
844.00	10	QPSK	1 / 49	25.70	-1.90	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
844.00	10	16-QAM	1 / 0	25.00	-1.90	20.95	0.124	38.45	-17.50	23.10	0.204	40.61	-17.51
844.00	10	64-QAM	1 / 0	24.14	-1.90	20.09	0.102	38.45	-18.36	22.24	0.167	40.61	-18.37

Table 7-41. ERP Data (Band 26)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 274 of 423

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	25.60	-2.80	22.80	0.191	30.00	-7.20
1732.50	1.4	QPSK	1 / 5	25.45	-2.80	22.65	0.184	30.00	-7.35
1754.30	1.4	QPSK	1 / 5	25.70	-2.80	22.90	0.195	30.00	-7.10
1754.30	1.4	16-QAM	1 / 5	24.89	-2.80	22.09	0.162	30.00	-7.91
1754.30	1.4	64-QAM	1 / 3	23.91	-2.80	21.11	0.129	30.00	-8.89
1711.50	3	QPSK	1 / 0	25.69	-2.80	22.89	0.195	30.00	-7.11
1732.50	3	QPSK	1 / 14	25.61	-2.80	22.81	0.191	30.00	-7.19
1753.50	3	QPSK	1 / 8	25.70	-2.80	22.90	0.195	30.00	-7.10
1753.50	3	16-QAM	1 / 14	24.77	-2.80	21.97	0.157	30.00	-8.03
1753.50	3	64-QAM	1 / 14	24.04	-2.80	21.24	0.133	30.00	-8.76
1712.50	5	QPSK	1 / 0	25.69	-2.80	22.89	0.195	30.00	-7.11
1732.50	5	QPSK	1 / 24	25.70	-2.80	22.90	0.195	30.00	-7.10
1752.50	5	QPSK	1 / 24	25.65	-2.80	22.85	0.193	30.00	-7.15
1732.50	5	16-QAM	1 / 24	24.89	-2.80	22.09	0.162	30.00	-7.91
1732.50	5	64-QAM	1 / 24	24.04	-2.80	21.24	0.133	30.00	-8.76
1715.00	10	QPSK	1 / 0	25.70	-2.80	22.90	0.195	30.00	-7.10
1732.50	10	QPSK	1 / 49	25.61	-2.80	22.81	0.191	30.00	-7.19
1750.00	10	QPSK	1 / 49	25.64	-2.80	22.84	0.192	30.00	-7.16
1715.00	10	16-QAM	1 / 0	24.76	-2.80	21.96	0.157	30.00	-8.04
1715.00	10	64-QAM	1 / 0	23.93	-2.80	21.13	0.130	30.00	-8.87
1717.50	15	QPSK	1 / 0	25.70	-2.80	22.90	0.195	30.00	-7.10
1732.50	15	QPSK	1 / 74	25.53	-2.80	22.73	0.187	30.00	-7.27
1747.50	15	QPSK	1 / 74	25.55	-2.80	22.75	0.188	30.00	-7.25
1717.50	15	16-QAM	1 / 0	24.72	-2.80	21.92	0.156	30.00	-8.08
1717.50	15	64-QAM	1 / 74	23.73	-2.80	20.93	0.124	30.00	-9.07
1720.00	20	QPSK	1 / 0	25.67	-2.80	22.87	0.194	30.00	-7.13
1732.50	20	QPSK	1 / 99	25.40	-2.80	22.60	0.182	30.00	-7.40
1745.00	20	QPSK	1 / 99	25.70	-2.80	22.90	0.195	30.00	-7.10
1745.00	20	16-QAM	1 / 50	24.82	-2.80	22.02	0.159	30.00	-7.98
1745.00	20	64-QAM	1 / 99	23.89	-2.80	21.09	0.129	30.00	-8.91

Table 7-42. EIRP Data (Band 4)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 275 of 423

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	25.54	-2.80	22.74	0.188	30.00	-7.26
1745.00	1.4	QPSK	1 / 5	25.52	-2.80	22.72	0.187	30.00	-7.28
1779.30	1.4	QPSK	1 / 0	25.70	-2.80	22.90	0.195	30.00	-7.10
1779.30	1.4	16-QAM	1 / 5	24.81	-2.80	22.01	0.159	30.00	-7.99
1779.30	1.4	64-QAM	1 / 3	23.86	-2.80	21.06	0.128	30.00	-8.94
1711.50	3	QPSK	1 / 0	25.60	-2.80	22.80	0.191	30.00	-7.20
1745.00	3	QPSK	1 / 8	25.66	-2.80	22.86	0.193	30.00	-7.14
1778.50	3	QPSK	1 / 8	25.70	-2.80	22.90	0.195	30.00	-7.10
1778.50	3	16-QAM	1 / 0	24.88	-2.80	22.08	0.161	30.00	-7.92
1778.50	3	64-QAM	1 / 0	24.09	-2.80	21.29	0.135	30.00	-8.71
1712.50	5	QPSK	1 / 0	25.57	-2.80	22.77	0.189	30.00	-7.23
1745.00	5	QPSK	1 / 24	25.67	-2.80	22.87	0.194	30.00	-7.13
1777.50	5	QPSK	1 / 0	25.70	-2.80	22.90	0.195	30.00	-7.10
1777.50	5	16-QAM	1 / 24	24.79	-2.80	21.99	0.158	30.00	-8.01
1777.50	5	64-QAM	1 / 0	24.04	-2.80	21.24	0.133	30.00	-8.76
1715.00	10	QPSK	1 / 0	25.60	-2.80	22.80	0.191	30.00	-7.20
1745.00	10	QPSK	1 / 0	25.54	-2.80	22.74	0.188	30.00	-7.26
1775.00	10	QPSK	1 / 0	25.70	-2.80	22.90	0.195	30.00	-7.10
1775.00	10	16-QAM	1 / 0	24.81	-2.80	22.01	0.159	30.00	-7.99
1775.00	10	64-QAM	1 / 0	24.20	-2.80	21.40	0.138	30.00	-8.60
1717.50	15	QPSK	1 / 0	25.70	-2.80	22.90	0.195	30.00	-7.10
1745.00	15	QPSK	1 / 38	25.53	-2.80	22.73	0.187	30.00	-7.27
1772.50	15	QPSK	1 / 0	25.67	-2.80	22.87	0.194	30.00	-7.13
1717.50	15	16-QAM	1 / 0	24.82	-2.80	22.02	0.159	30.00	-7.98
1717.50	15	64-QAM	1 / 0	23.86	-2.80	21.06	0.128	30.00	-8.94
1720.00	20	QPSK	1 / 0	25.59	-2.80	22.79	0.190	30.00	-7.21
1745.00	20	QPSK	1 / 99	25.35	-2.80	22.55	0.180	30.00	-7.45
1770.00	20	QPSK	1 / 99	25.70	-2.80	22.90	0.195	30.00	-7.10
1770.00	20	16-QAM	1 / 0	24.83	-2.80	22.03	0.160	30.00	-7.97
1770.00	20	64-QAM	1 / 50	23.93	-2.80	21.13	0.130	30.00	-8.87

Table 7-43. EIRP Data (Band 66)

FCC ID: BCGA2069		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 0	25.58	-0.90	24.68	0.294	33.01	-8.33
1880.00	1.4	QPSK	1 / 0	25.44	-0.90	24.54	0.284	33.01	-8.47
1909.30	1.4	QPSK	1 / 5	25.44	-0.90	24.54	0.284	33.01	-8.47
1850.70	1.4	16-QAM	1 / 0	24.77	-0.90	23.87	0.244	33.01	-9.14
1850.70	1.4	64-QAM	1 / 0	23.99	-0.90	23.09	0.204	33.01	-9.92
1851.50	3	QPSK	1 / 14	25.60	-0.90	24.70	0.295	33.01	-8.31
1880.00	3	QPSK	1 / 0	25.38	-0.90	24.48	0.281	33.01	-8.53
1908.50	3	QPSK	1 / 14	25.36	-0.90	24.46	0.279	33.01	-8.55
1851.50	3	16-QAM	1 / 0	25.04	-0.90	24.14	0.259	33.01	-8.87
1851.50	3	64-QAM	1 / 0	23.96	-0.90	23.06	0.202	33.01	-9.95
1852.50	5	QPSK	1 / 0	25.60	-0.90	24.70	0.295	33.01	-8.31
1880.00	5	QPSK	1 / 0	25.42	-0.90	24.52	0.283	33.01	-8.49
1907.50	5	QPSK	1 / 24	25.40	-0.90	24.50	0.282	33.01	-8.51
1852.50	5	16-QAM	1 / 0	25.09	-0.90	24.19	0.262	33.01	-8.82
1852.50	5	64-QAM	1 / 0	24.00	-0.90	23.10	0.204	33.01	-9.91
1855.00	10	QPSK	1 / 0	25.65	-0.90	24.75	0.299	33.01	-8.26
1880.00	10	QPSK	1 / 0	25.60	-0.90	24.70	0.295	33.01	-8.31
1905.00	10	QPSK	1 / 49	25.50	-0.90	24.60	0.288	33.01	-8.41
1855.00	10	16-QAM	1 / 0	25.12	-0.90	24.22	0.264	33.01	-8.79
1855.00	10	64-QAM	1 / 0	23.94	-0.90	23.04	0.201	33.01	-9.97
1857.50	15	QPSK	1 / 0	25.68	-0.90	24.78	0.301	33.01	-8.23
1880.00	15	QPSK	1 / 0	25.60	-0.90	24.70	0.295	33.01	-8.31
1902.50	15	QPSK	1 / 74	25.48	-0.90	24.58	0.287	33.01	-8.43
1857.50	15	16-QAM	1 / 0	25.07	-0.90	24.17	0.261	33.01	-8.84
1857.50	15	64-QAM	1 / 74	23.97	-0.90	23.07	0.203	33.01	-9.94
1860.00	20	QPSK	1 / 99	25.70	-0.90	24.80	0.302	33.01	-8.21
1880.00	20	QPSK	1 / 0	25.59	-0.90	24.69	0.294	33.01	-8.32
1900.00	20	QPSK	1 / 99	25.54	-0.90	24.64	0.291	33.01	-8.37
1860.00	20	16-QAM	1 / 99	25.07	-0.90	24.17	0.261	33.01	-8.84
1860.00	20	64-QAM	1 / 0	24.10	-0.90	23.20	0.209	33.01	-9.81

Table 7-44. EIRP Data (Band 2)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 277 of 423

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	25.64	-0.90	24.74	0.298	33.01	-8.27
1882.50	1.4	QPSK	1 / 0	25.32	-0.90	24.42	0.277	33.01	-8.59
1914.30	1.4	QPSK	1 / 0	25.70	-0.90	24.80	0.302	33.01	-8.21
1914.30	1.4	16-QAM	1 / 0	24.94	-0.90	24.04	0.254	33.01	-8.97
1914.30	1.4	64-QAM	1 / 0	23.99	-0.90	23.09	0.204	33.01	-9.92
1851.50	3	QPSK	1 / 14	25.56	-0.90	24.66	0.292	33.01	-8.35
1882.50	3	QPSK	1 / 14	25.34	-0.90	24.44	0.278	33.01	-8.57
1913.50	3	QPSK	1 / 0	25.68	-0.90	24.78	0.301	33.01	-8.23
1913.50	3	16-QAM	1 / 0	25.14	-0.90	24.24	0.265	33.01	-8.77
1913.50	3	64-QAM	1 / 0	23.95	-0.90	23.05	0.202	33.01	-9.96
1852.50	5	QPSK	1 / 0	25.62	-0.90	24.72	0.296	33.01	-8.29
1882.50	5	QPSK	1 / 0	25.40	-0.90	24.50	0.282	33.01	-8.51
1912.50	5	QPSK	1 / 0	25.66	-0.90	24.76	0.299	33.01	-8.25
1912.50	5	16-QAM	1 / 0	24.94	-0.90	24.04	0.254	33.01	-8.97
1912.50	5	64-QAM	1 / 24	24.09	-0.90	23.19	0.208	33.01	-9.82
1855.00	10	QPSK	1 / 0	25.70	-0.90	24.80	0.302	33.01	-8.21
1882.50	10	QPSK	1 / 0	25.48	-0.90	24.58	0.287	33.01	-8.43
1910.00	10	QPSK	1 / 49	25.59	-0.90	24.69	0.294	33.01	-8.32
1855.00	10	16-QAM	1 / 0	24.97	-0.90	24.07	0.255	33.01	-8.94
1855.00	10	64-QAM	1 / 0	23.94	-0.90	23.04	0.201	33.01	-9.97
1857.50	15	QPSK	1 / 74	25.59	-0.90	24.69	0.294	33.01	-8.32
1882.50	15	QPSK	1 / 0	25.58	-0.90	24.68	0.294	33.01	-8.33
1907.50	15	QPSK	1 / 74	25.59	-0.90	24.69	0.294	33.01	-8.32
1857.50	15	16-QAM	1 / 74	24.92	-0.90	24.02	0.252	33.01	-8.99
1857.50	15	64-QAM	1 / 74	24.09	-0.90	23.19	0.208	33.01	-9.82
1860.00	20	QPSK	1 / 99	25.68	-0.90	24.78	0.301	33.01	-8.23
1882.50	20	QPSK	1 / 0	25.60	-0.90	24.70	0.295	33.01	-8.31
1905.00	20	QPSK	1 / 99	25.68	-0.90	24.78	0.301	33.01	-8.23
1860.00	20	16-QAM	1 / 99	25.04	-0.90	24.14	0.259	33.01	-8.87
1860.00	20	64-QAM	1 / 99	23.82	-0.90	22.92	0.196	33.01	-10.09

Table 7-45. EIRP Data (Band 25)

FCC ID: BCGA2069	 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 24	22.43	0.50	22.93	0.196	23.98	-1.05
2312.50	5	QPSK	1 / 24	22.50	0.50	23.00	0.200	23.98	-0.98
2312.50	5	16-QAM	1 / 0	21.72	0.50	22.22	0.167	23.98	-1.76
2312.50	5	64-QAM	1 / 24	20.83	0.50	21.33	0.136	23.98	-2.65
2310.00	10	QPSK	1 / 49	22.47	0.50	22.97	0.198	23.98	-1.01
2310.00	10	16-QAM	1 / 49	21.77	0.50	22.27	0.169	23.98	-1.71
2310.00	10	64-QAM	1 / 49	20.91	0.50	21.41	0.138	23.98	-2.57

Table 7-46. EIRP Data (Band 30)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 279 of 423

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	25.56	0.70	26.26	0.423	33.01	-6.75
2535.00	5	QPSK	1 / 0	25.65	0.70	26.35	0.432	33.01	-6.66
2567.50	5	QPSK	1 / 0	25.43	0.70	26.13	0.410	33.01	-6.88
2535.00	5	16-QAM	1 / 0	25.17	0.70	25.87	0.386	33.01	-7.14
2535.00	5	64-QAM	1 / 0	24.02	0.70	24.72	0.296	33.01	-8.29
2505.00	10	QPSK	1 / 0	25.56	0.70	26.26	0.423	33.01	-6.75
2535.00	10	QPSK	1 / 0	25.70	0.70	26.40	0.437	33.01	-6.61
2565.00	10	QPSK	1 / 0	25.60	0.70	26.30	0.427	33.01	-6.71
2535.00	10	16-QAM	1 / 0	25.13	0.70	25.83	0.383	33.01	-7.18
2535.00	10	64-QAM	1 / 0	23.98	0.70	24.68	0.294	33.01	-8.33
2507.50	15	QPSK	1 / 0	25.50	0.70	26.20	0.417	33.01	-6.81
2535.00	15	QPSK	1 / 0	25.64	0.70	26.34	0.431	33.01	-6.67
2562.50	15	QPSK	1 / 0	25.51	0.70	26.21	0.418	33.01	-6.80
2535.00	15	16-QAM	1 / 0	25.16	0.70	25.86	0.385	33.01	-7.15
2535.00	15	64-QAM	1 / 0	24.00	0.70	24.70	0.295	33.01	-8.31
2510.00	20	QPSK	1 / 0	25.55	0.70	26.25	0.422	33.01	-6.76
2535.00	20	QPSK	1 / 0	25.70	0.70	26.40	0.437	33.01	-6.61
2560.00	20	QPSK	1 / 0	25.53	0.70	26.23	0.420	33.01	-6.78
2535.00	20	16-QAM	1 / 0	25.04	0.70	25.74	0.375	33.01	-7.27
2535.00	20	64-QAM	1 / 0	24.02	0.70	24.72	0.296	33.01	-8.29

Table 7-47. EIRP Data (Band 7)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 280 of 423

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	27.70	0.70	28.40	0.692	33.01	-4.61
2593.00	5	QPSK	1 / 24	28.64	0.70	29.34	0.859	33.01	-3.67
2687.50	5	QPSK	1 / 0	28.13	0.70	28.83	0.764	33.01	-4.18
2593.00	5	16-QAM	1 / 0	27.67	0.70	28.37	0.687	33.01	-4.64
2593.00	5	64-QAM	1 / 0	26.77	0.70	27.47	0.558	33.01	-5.54
2501.00	10	QPSK	1 / 49	27.48	0.70	28.18	0.658	33.01	-4.83
2593.00	10	QPSK	1 / 49	28.30	0.70	29.00	0.794	33.01	-4.01
2685.00	10	QPSK	1 / 49	28.45	0.70	29.15	0.822	33.01	-3.86
2685.00	10	16-QAM	1 / 0	28.05	0.70	28.75	0.750	33.01	-4.26
2685.00	10	64-QAM	1 / 0	26.93	0.70	27.63	0.579	33.01	-5.38
2503.50	15	QPSK	1 / 74	27.69	0.70	28.39	0.690	33.01	-4.62
2593.00	15	QPSK	1 / 74	28.37	0.70	29.07	0.807	33.01	-3.94
2682.50	15	QPSK	1 / 74	28.50	0.70	29.20	0.832	33.01	-3.81
2682.50	15	16-QAM	1 / 0	27.91	0.70	28.61	0.726	33.01	-4.40
2682.50	15	64-QAM	1 / 0	26.91	0.70	27.61	0.577	33.01	-5.40
2506.00	20	QPSK	1 / 99	27.70	0.70	28.40	0.692	33.01	-4.61
2593.00	20	QPSK	1 / 99	28.35	0.70	29.05	0.804	33.01	-3.96
2680.00	20	QPSK	1 / 99	28.44	0.70	29.14	0.820	33.01	-3.87
2680.00	20	16-QAM	1 / 0	27.95	0.70	28.65	0.733	33.01	-4.36
2680.00	20	64-QAM	1 / 0	26.86	0.70	27.56	0.570	33.01	-5.45

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 281 of 423

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	25 / 0	25.69	0.70	26.39	0.436	33.01	-6.62
2593.00	5	QPSK	25 / 0	25.52	0.70	26.22	0.419	33.01	-6.79
2687.50	5	QPSK	25 / 0	25.59	0.70	26.29	0.426	33.01	-6.72
2593.00	5	16-QAM	25 / 0	24.69	0.70	25.39	0.346	33.01	-7.62
2593.00	5	64-QAM	1 / 24	23.74	0.70	24.44	0.278	33.01	-8.57
2501.00	10	QPSK	50 / 0	25.70	0.70	26.40	0.437	33.01	-6.61
2593.00	10	QPSK	50 / 0	25.68	0.70	26.38	0.435	33.01	-6.63
2685.00	10	QPSK	1 / 49	25.66	0.70	26.36	0.433	33.01	-6.65
2685.00	10	16-QAM	1 / 49	24.81	0.70	25.51	0.356	33.01	-7.50
2685.00	10	64-QAM	1 / 49	23.61	0.70	24.31	0.270	33.01	-8.70
2503.50	15	QPSK	75 / 0	25.65	0.70	26.35	0.432	33.01	-6.66
2593.00	15	QPSK	75 / 0	25.61	0.70	26.31	0.428	33.01	-6.70
2682.50	15	QPSK	75 / 0	25.63	0.70	26.33	0.430	33.01	-6.68
2682.50	15	16-QAM	75 / 0	24.65	0.70	25.35	0.343	33.01	-7.66
2682.50	15	64-QAM	75 / 0	23.58	0.70	24.28	0.268	33.01	-8.73
2506.00	20	QPSK	100 / 0	25.70	0.70	26.40	0.437	33.01	-6.61
2593.00	20	QPSK	100 / 0	25.64	0.70	26.34	0.431	33.01	-6.67
2680.00	20	QPSK	100 / 0	25.70	0.70	26.40	0.437	33.01	-6.61
2680.00	20	16-QAM	100 / 0	24.71	0.70	25.41	0.348	33.01	-7.60
2680.00	20	64-QAM	1 / 99	23.70	0.70	24.40	0.275	33.01	-8.61

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 282 of 423

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 / 24	24.38	-2.00	20.23	0.105	34.77	-14.54
680.50	5	QPSK	1 / 24	24.19	-2.00	20.04	0.101	34.77	-14.73
695.50	5	QPSK	1 / 0	24.47	-2.00	20.32	0.108	34.77	-14.45
695.50	5	16-QAM	1 / 0	23.76	-2.00	19.61	0.091	34.77	-15.16
695.50	5	64-QAM	1 / 0	22.71	-2.00	18.56	0.072	34.77	-16.21
668.00	10	QPSK	1 / 49	24.19	-2.00	20.04	0.101	34.77	-14.73
680.50	10	QPSK	1 / 0	24.47	-2.00	20.32	0.108	34.77	-14.45
693.00	10	QPSK	1 / 49	24.50	-2.00	20.35	0.108	34.77	-14.42
693.00	10	16-QAM	1 / 0	23.61	-2.00	19.46	0.088	34.77	-15.31
693.00	10	64-QAM	1 / 49	23.04	-2.00	18.89	0.077	34.77	-15.88
670.50	15	QPSK	1 / 0	24.35	-2.00	20.20	0.105	34.77	-14.57
680.50	15	QPSK	1 / 74	24.25	-2.00	20.10	0.102	34.77	-14.67
690.50	15	QPSK	1 / 74	24.41	-2.00	20.26	0.106	34.77	-14.51
690.50	15	16-QAM	1 / 74	23.86	-2.00	19.71	0.094	34.77	-15.06
690.50	15	64-QAM	1 / 0	23.13	-2.00	18.98	0.079	34.77	-15.79
673.00	20	QPSK	1 / 0	24.28	-2.00	20.13	0.103	34.77	-14.64
680.50	20	QPSK	1 / 99	24.25	-2.00	20.10	0.102	34.77	-14.67
688.00	20	QPSK	1 / 99	24.46	-2.00	20.31	0.107	34.77	-14.46
688.00	20	16-QAM	1 / 0	23.59	-2.00	19.44	0.088	34.77	-15.33
688.00	20	64-QAM	1 / 99	22.64	-2.00	18.49	0.071	34.77	-16.28

Table 7-50. ERP Data (Band 71)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 283 of 423

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	24.16	-2.00	20.01	0.100	34.77	-14.76	22.16	0.164	36.99	-14.83
707.50	1.4	QPSK	1 / 5	24.49	-2.00	20.34	0.108	34.77	-14.43	22.49	0.177	36.99	-14.50
715.30	1.4	QPSK	1 / 0	24.17	-2.00	20.02	0.100	34.77	-14.75	22.17	0.165	36.99	-14.82
707.50	1.4	16-QAM	1 / 0	23.73	-2.00	19.58	0.091	34.77	-15.19	21.73	0.149	36.99	-15.26
707.50	1.4	64-QAM	1 / 0	22.77	-2.00	18.62	0.073	34.77	-16.15	20.77	0.119	36.99	-16.22
700.50	3	QPSK	1 / 14	24.18	-2.00	20.03	0.101	34.77	-14.74	22.18	0.165	36.99	-14.81
707.50	3	QPSK	1 / 0	24.31	-2.00	20.16	0.104	34.77	-14.61	22.31	0.170	36.99	-14.68
714.50	3	QPSK	1 / 14	24.24	-2.00	20.09	0.102	34.77	-14.68	22.24	0.167	36.99	-14.75
707.50	3	16-QAM	1 / 14	23.77	-2.00	19.62	0.092	34.77	-15.15	21.77	0.150	36.99	-15.22
707.50	3	64-QAM	1 / 14	22.92	-2.00	18.77	0.075	34.77	-16.00	20.92	0.124	36.99	-16.07
701.50	5	QPSK	1 / 0	24.49	-2.00	20.34	0.108	34.77	-14.43	22.49	0.177	36.99	-14.50
707.50	5	QPSK	1 / 0	24.50	-2.00	20.35	0.108	34.77	-14.42	22.50	0.178	36.99	-14.49
713.50	5	QPSK	1 / 0	24.27	-2.00	20.12	0.103	34.77	-14.65	22.27	0.169	36.99	-14.72
707.50	5	16-QAM	1 / 24	23.88	-2.00	19.73	0.094	34.77	-15.04	21.88	0.154	36.99	-15.11
707.50	5	64-QAM	1 / 0	23.24	-2.00	19.09	0.081	34.77	-15.68	21.24	0.133	36.99	-15.75
704.00	10	QPSK	1 / 0	24.19	-2.00	20.04	0.101	34.77	-14.73	22.19	0.166	36.99	-14.80
707.50	10	QPSK	1 / 0	24.19	-2.00	20.04	0.101	34.77	-14.73	22.19	0.166	36.99	-14.80
711.00	10	QPSK	1 / 0	24.40	-2.00	20.25	0.106	34.77	-14.52	22.40	0.174	36.99	-14.59
711.00	10	16-QAM	1 / 0	23.42	-2.00	19.27	0.085	34.77	-15.50	21.42	0.139	36.99	-15.57
711.00	10	64-QAM	1 / 49	22.64	-2.00	18.49	0.071	34.77	-16.28	20.64	0.116	36.99	-16.35

Table 7-51. ERP Data (Band 12)

FCC ID: BCGA2069	 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]
706.50	5	QPSK	1 / 24	24.36	-2.00	20.21	0.105	34.77	-14.56	22.36	0.172	36.99	-14.63
710.00	5	QPSK	1 / 24	24.47	-2.00	20.32	0.108	34.77	-14.45	22.47	0.177	36.99	-14.52
713.50	5	QPSK	1 / 0	24.48	-2.00	20.33	0.108	34.77	-14.44	22.48	0.177	36.99	-14.51
713.50	5	16-QAM	1 / 24	23.66	-2.00	19.51	0.089	34.77	-15.26	21.66	0.147	36.99	-15.33
713.50	5	64-QAM	1 / 24	23.08	-2.00	18.93	0.078	34.77	-15.84	21.08	0.128	36.99	-15.91
709.00	10	QPSK	1 / 0	24.30	-2.00	20.15	0.104	34.77	-14.62	22.30	0.170	36.99	-14.69
710.00	10	QPSK	1 / 49	24.31	-2.00	20.16	0.104	34.77	-14.61	22.31	0.170	36.99	-14.68
711.00	10	QPSK	1 / 49	24.37	-2.00	20.22	0.105	34.77	-14.55	22.37	0.173	36.99	-14.62
711.00	10	16-QAM	1 / 0	23.67	-2.00	19.52	0.090	34.77	-15.25	21.67	0.147	36.99	-15.32
711.00	10	64-QAM	1 / 0	22.89	-2.00	18.74	0.075	34.77	-16.03	20.89	0.123	36.99	-16.10

Table 7-52. ERP Data (Band 17)

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	24.28	-2.00	20.13	0.103	34.77	-14.64	22.28	0.169	36.99	-14.71
782.00	5	QPSK	1 / 24	24.42	-2.00	20.27	0.106	34.77	-14.50	22.42	0.175	36.99	-14.57
784.50	5	QPSK	1 / 8	24.22	-2.00	20.07	0.102	34.77	-14.70	22.22	0.167	36.99	-14.77
782.00	5	16-QAM	1 / 12	23.68	-2.00	19.53	0.090	34.77	-15.24	21.68	0.147	36.99	-15.31
782.00	5	64-QAM	1 / 12	22.95	-2.00	18.80	0.076	34.77	-15.97	20.95	0.124	36.99	-16.04
782.00	10	QPSK	1 / 49	24.49	-2.00	20.34	0.108	34.77	-14.43	22.49	0.177	36.99	-14.50
782.00	10	16-QAM	1 / 25	23.71	-2.00	19.56	0.090	34.77	-15.21	21.71	0.148	36.99	-15.28
782.00	10	64-QAM	1 / 0	22.72	-2.00	18.57	0.072	34.77	-16.20	20.72	0.118	36.99	-16.27

Table 7-53. ERP Data (Band 13)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 285 of 423

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 / 3	24.29	-1.50	20.64	0.116	38.45	-17.81	22.79	0.190	40.61	-17.82
836.50	1.4	QPSK	1 / 5	24.41	-1.50	20.76	0.119	38.45	-17.69	22.91	0.195	40.61	-17.70
848.30	1.4	QPSK	1 / 3	24.45	-1.50	20.80	0.120	38.45	-17.65	22.95	0.197	40.61	-17.66
848.30	1.4	16-QAM	1 / 3	23.61	-1.50	19.96	0.099	38.45	-18.49	22.11	0.163	40.61	-18.50
848.30	1.4	64-QAM	1 / 5	23.04	-1.50	19.39	0.087	38.45	-19.06	21.54	0.143	40.61	-19.07
825.50	3	QPSK	1 / 0	24.49	-1.50	20.84	0.121	38.45	-17.61	22.99	0.199	40.61	-17.62
836.50	3	QPSK	1 / 0	24.32	-1.50	20.67	0.117	38.45	-17.78	22.82	0.191	40.61	-17.79
847.50	3	QPSK	1 / 0	24.30	-1.50	20.65	0.116	38.45	-17.80	22.80	0.191	40.61	-17.81
825.50	3	16-QAM	1 / 0	23.55	-1.50	19.90	0.098	38.45	-18.55	22.05	0.160	40.61	-18.56
825.50	3	64-QAM	1 / 0	22.88	-1.50	19.23	0.084	38.45	-19.22	21.38	0.137	40.61	-19.23
826.50	5	QPSK	1 / 0	24.32	-1.50	20.67	0.117	38.45	-17.78	22.82	0.191	40.61	-17.79
836.50	5	QPSK	1 / 0	24.43	-1.50	20.78	0.120	38.45	-17.67	22.93	0.196	40.61	-17.68
846.50	5	QPSK	1 / 24	24.35	-1.50	20.70	0.117	38.45	-17.75	22.85	0.193	40.61	-17.76
836.50	5	16-QAM	1 / 0	23.74	-1.50	20.09	0.102	38.45	-18.36	22.24	0.167	40.61	-18.37
836.50	5	64-QAM	1 / 0	23.17	-1.50	19.52	0.090	38.45	-18.93	21.67	0.147	40.61	-18.94
829.00	10	QPSK	1 / 0	24.35	-1.50	20.70	0.117	38.45	-17.75	22.85	0.193	40.61	-17.76
836.50	10	QPSK	1 / 49	24.47	-1.50	20.82	0.121	38.45	-17.63	22.97	0.198	40.61	-17.64
844.00	10	QPSK	1 / 49	24.22	-1.50	20.57	0.114	38.45	-17.88	22.72	0.187	40.61	-17.89
836.50	10	16-QAM	1 / 0	23.57	-1.50	19.92	0.098	38.45	-18.53	22.07	0.161	40.61	-18.54
836.50	10	64-QAM	1 / 0	23.16	-1.50	19.51	0.089	38.45	-18.94	21.66	0.147	40.61	-18.95

Table 7-54. ERP Data (Band 5)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 286 of 423

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	24.39	-1.50	20.74	0.119	38.45	-17.71	22.89	0.195	40.61	-17.72
836.50	1.4	QPSK	1 / 0	24.46	-1.50	20.81	0.121	38.45	-17.64	22.96	0.198	40.61	-17.65
848.30	1.4	QPSK	1 / 0	24.43	-1.50	20.78	0.120	38.45	-17.67	22.93	0.196	40.61	-17.68
836.50	1.4	16-QAM	1 / 0	23.73	-1.50	20.08	0.102	38.45	-18.37	22.23	0.167	40.61	-18.38
836.50	1.4	64-QAM	1 / 3	23.24	-1.50	19.59	0.091	38.45	-18.86	21.74	0.149	40.61	-18.87
825.50	3	QPSK	1 / 8	24.41	-1.50	20.76	0.119	38.45	-17.69	22.91	0.195	40.61	-17.70
836.50	3	QPSK	1 / 8	24.37	-1.50	20.72	0.118	38.45	-17.73	22.87	0.194	40.61	-17.74
847.50	3	QPSK	1 / 0	24.43	-1.50	20.78	0.120	38.45	-17.67	22.93	0.196	40.61	-17.68
847.50	3	16-QAM	1 / 8	23.39	-1.50	19.74	0.094	38.45	-18.71	21.89	0.155	40.61	-18.72
847.50	3	64-QAM	1 / 14	23.21	-1.50	19.56	0.090	38.45	-18.89	21.71	0.148	40.61	-18.90
826.50	5	QPSK	1 / 24	24.48	-1.50	20.83	0.121	38.45	-17.62	22.98	0.199	40.61	-17.63
836.50	5	QPSK	1 / 0	24.35	-1.50	20.70	0.117	38.45	-17.75	22.85	0.193	40.61	-17.76
846.50	5	QPSK	1 / 12	24.20	-1.50	20.55	0.114	38.45	-17.90	22.70	0.186	40.61	-17.91
826.50	5	16-QAM	1 / 0	23.72	-1.50	20.07	0.102	38.45	-18.38	22.22	0.167	40.61	-18.39
826.50	5	64-QAM	1 / 12	23.02	-1.50	19.37	0.086	38.45	-19.08	21.52	0.142	40.61	-19.09
829.00	10	QPSK	1 / 49	24.50	-1.50	20.85	0.122	38.45	-17.60	23.00	0.200	40.61	-17.61
836.50	10	QPSK	1 / 49	24.44	-1.50	20.79	0.120	38.45	-17.66	22.94	0.197	40.61	-17.67
844.00	10	QPSK	1 / 0	24.48	-1.50	20.83	0.121	38.45	-17.62	22.98	0.199	40.61	-17.63
829.00	10	16-QAM	1 / 49	23.88	-1.50	20.23	0.105	38.45	-18.22	22.38	0.173	40.61	-18.23
829.00	10	64-QAM	1 / 12	23.02	-1.50	19.37	0.086	38.45	-19.08	21.52	0.142	40.61	-19.09

Table 7-55. ERP Data (Band 26)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 287 of 423

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 / 0	23.17	-3.20	19.97	0.099	30.00	-10.03
1732.50	1.4	QPSK	1 / 5	23.25	-3.20	20.05	0.101	30.00	-9.95
1754.30	1.4	QPSK	1 / 0	23.50	-3.20	20.30	0.107	30.00	-9.70
1754.30	1.4	16-QAM	1 / 3	22.60	-3.20	19.40	0.087	30.00	-10.60
1754.30	1.4	64-QAM	1 / 3	21.58	-3.20	18.38	0.069	30.00	-11.62
1711.50	3	QPSK	1 / 8	23.36	-3.20	20.16	0.104	30.00	-9.84
1732.50	3	QPSK	1 / 14	23.46	-3.20	20.26	0.106	30.00	-9.74
1753.50	3	QPSK	1 / 8	23.50	-3.20	20.30	0.107	30.00	-9.70
1753.50	3	16-QAM	1 / 8	22.71	-3.20	19.51	0.089	30.00	-10.49
1753.50	3	64-QAM	1 / 8	21.92	-3.20	18.72	0.074	30.00	-11.28
1712.50	5	QPSK	1 / 0	23.28	-3.20	20.08	0.102	30.00	-9.92
1732.50	5	QPSK	1 / 24	23.50	-3.20	20.30	0.107	30.00	-9.70
1752.50	5	QPSK	1 / 24	23.41	-3.20	20.21	0.105	30.00	-9.79
1732.50	5	16-QAM	1 / 24	22.65	-3.20	19.45	0.088	30.00	-10.55
1732.50	5	64-QAM	1 / 0	21.69	-3.20	18.49	0.071	30.00	-11.51
1715.00	10	QPSK	1 / 0	23.36	-3.20	20.16	0.104	30.00	-9.84
1732.50	10	QPSK	1 / 49	23.50	-3.20	20.30	0.107	30.00	-9.70
1750.00	10	QPSK	1 / 49	23.50	-3.20	20.30	0.107	30.00	-9.70
1732.50	10	16-QAM	1 / 49	22.70	-3.20	19.50	0.089	30.00	-10.50
1732.50	10	64-QAM	1 / 49	21.74	-3.20	18.54	0.071	30.00	-11.46
1717.50	15	QPSK	1 / 0	23.46	-3.20	20.26	0.106	30.00	-9.74
1732.50	15	QPSK	1 / 74	23.47	-3.20	20.27	0.106	30.00	-9.73
1747.50	15	QPSK	1 / 0	23.50	-3.20	20.30	0.107	30.00	-9.70
1747.50	15	16-QAM	1 / 0	22.67	-3.20	19.47	0.089	30.00	-10.53
1747.50	15	64-QAM	1 / 0	22.03	-3.20	18.83	0.076	30.00	-11.17
1720.00	20	QPSK	1 / 99	23.29	-3.20	20.09	0.102	30.00	-9.91
1732.50	20	QPSK	1 / 99	23.25	-3.20	20.05	0.101	30.00	-9.95
1745.00	20	QPSK	1 / 99	23.50	-3.20	20.30	0.107	30.00	-9.70
1745.00	20	16-QAM	1 / 50	22.59	-3.20	19.39	0.087	30.00	-10.61
1745.00	20	64-QAM	1 / 0	21.63	-3.20	18.43	0.070	30.00	-11.57

Table 7-56. EIRP Data (Band 4)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 288 of 423

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 / 0	23.23	-3.20	20.03	0.101	30.00	-9.97
1745.00	1.4	QPSK	1 / 0	23.44	-3.20	20.24	0.106	30.00	-9.76
1779.30	1.4	QPSK	1 / 0	23.50	-3.20	20.30	0.107	30.00	-9.70
1779.30	1.4	16-QAM	1 / 3	22.71	-3.20	19.51	0.089	30.00	-10.49
1779.30	1.4	64-QAM	1 / 0	21.63	-3.20	18.43	0.070	30.00	-11.57
1711.50	3	QPSK	1 / 8	23.29	-3.20	20.09	0.102	30.00	-9.91
1745.00	3	QPSK	1 / 0	23.50	-3.20	20.30	0.107	30.00	-9.70
1778.50	3	QPSK	1 / 8	23.46	-3.20	20.26	0.106	30.00	-9.74
1745.00	3	16-QAM	1 / 14	22.71	-3.20	19.51	0.089	30.00	-10.49
1745.00	3	64-QAM	1 / 0	21.80	-3.20	18.60	0.072	30.00	-11.40
1712.50	5	QPSK	1 / 0	23.34	-3.20	20.14	0.103	30.00	-9.86
1745.00	5	QPSK	1 / 0	23.50	-3.20	20.30	0.107	30.00	-9.70
1777.50	5	QPSK	1 / 0	23.38	-3.20	20.18	0.104	30.00	-9.82
1745.00	5	16-QAM	1 / 0	22.71	-3.20	19.51	0.089	30.00	-10.49
1745.00	5	64-QAM	1 / 12	21.78	-3.20	18.58	0.072	30.00	-11.42
1715.00	10	QPSK	1 / 0	23.23	-3.20	20.03	0.101	30.00	-9.97
1745.00	10	QPSK	1 / 0	23.45	-3.20	20.25	0.106	30.00	-9.75
1775.00	10	QPSK	1 / 0	23.50	-3.20	20.30	0.107	30.00	-9.70
1775.00	10	16-QAM	1 / 0	22.78	-3.20	19.58	0.091	30.00	-10.42
1775.00	10	64-QAM	1 / 25	21.96	-3.20	18.76	0.075	30.00	-11.24
1717.50	15	QPSK	1 / 0	23.30	-3.20	20.10	0.102	30.00	-9.90
1745.00	15	QPSK	1 / 38	23.45	-3.20	20.25	0.106	30.00	-9.75
1772.50	15	QPSK	1 / 0	23.50	-3.20	20.30	0.107	30.00	-9.70
1772.50	15	16-QAM	1 / 0	22.57	-3.20	19.37	0.086	30.00	-10.63
1772.50	15	64-QAM	1 / 74	21.79	-3.20	18.59	0.072	30.00	-11.41
1720.00	20	QPSK	1 / 99	23.28	-3.20	20.08	0.102	30.00	-9.92
1745.00	20	QPSK	1 / 99	23.24	-3.20	20.04	0.101	30.00	-9.96
1770.00	20	QPSK	1 / 0	23.50	-3.20	20.30	0.107	30.00	-9.70
1770.00	20	16-QAM	1 / 0	22.75	-3.20	19.55	0.090	30.00	-10.45
1770.00	20	64-QAM	1 / 50	21.74	-3.20	18.54	0.071	30.00	-11.46

Table 7-57. EIRP Data (Band 66)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 289 of 423

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	23.48	-1.70	21.78	0.151	33.01	-11.23
1880.00	1.4	QPSK	1 / 5	23.37	-1.70	21.67	0.147	33.01	-11.34
1909.30	1.4	QPSK	1 / 0	23.50	-1.70	21.80	0.151	33.01	-11.21
1909.30	1.4	16-QAM	1 / 0	22.70	-1.70	21.00	0.126	33.01	-12.01
1909.30	1.4	64-QAM	1 / 3	21.70	-1.70	20.00	0.100	33.01	-13.01
1851.50	3	QPSK	1 / 8	23.50	-1.70	21.80	0.151	33.01	-11.21
1880.00	3	QPSK	1 / 8	23.41	-1.70	21.71	0.148	33.01	-11.30
1908.50	3	QPSK	1 / 8	23.38	-1.70	21.68	0.147	33.01	-11.33
1851.50	3	16-QAM	1 / 0	22.72	-1.70	21.02	0.126	33.01	-11.99
1851.50	3	64-QAM	1 / 14	21.68	-1.70	19.98	0.100	33.01	-13.03
1852.50	5	QPSK	1 / 24	23.48	-1.70	21.78	0.151	33.01	-11.23
1880.00	5	QPSK	1 / 24	23.50	-1.70	21.80	0.151	33.01	-11.21
1907.50	5	QPSK	1 / 0	23.36	-1.70	21.66	0.147	33.01	-11.35
1880.00	5	16-QAM	1 / 12	22.65	-1.70	20.95	0.124	33.01	-12.06
1880.00	5	64-QAM	1 / 12	21.56	-1.70	19.86	0.097	33.01	-13.15
1855.00	10	QPSK	1 / 49	23.50	-1.70	21.80	0.151	33.01	-11.21
1880.00	10	QPSK	1 / 25	23.34	-1.70	21.64	0.146	33.01	-11.37
1905.00	10	QPSK	1 / 0	23.48	-1.70	21.78	0.151	33.01	-11.23
1855.00	10	16-QAM	1 / 25	22.66	-1.70	20.96	0.125	33.01	-12.05
1855.00	10	64-QAM	1 / 49	21.66	-1.70	19.96	0.099	33.01	-13.05
1857.50	15	QPSK	1 / 38	23.50	-1.70	21.80	0.151	33.01	-11.21
1880.00	15	QPSK	1 / 74	23.30	-1.70	21.60	0.145	33.01	-11.41
1902.50	15	QPSK	1 / 0	23.46	-1.70	21.76	0.150	33.01	-11.25
1857.50	15	16-QAM	1 / 74	22.86	-1.70	21.16	0.131	33.01	-11.85
1857.50	15	64-QAM	1 / 38	21.89	-1.70	20.19	0.104	33.01	-12.82
1860.00	20	QPSK	1 / 99	23.42	-1.70	21.72	0.149	33.01	-11.29
1880.00	20	QPSK	1 / 99	23.14	-1.70	21.44	0.139	33.01	-11.57
1900.00	20	QPSK	1 / 50	23.50	-1.70	21.80	0.151	33.01	-11.21
1900.00	20	16-QAM	1 / 0	22.67	-1.70	20.97	0.125	33.01	-12.04
1900.00	20	64-QAM	1 / 50	21.66	-1.70	19.96	0.099	33.01	-13.05

Table 7-58. EIRP Data (Band 2)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 290 of 423

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	23.50	-1.70	21.80	0.151	33.01	-11.21
1882.50	1.4	QPSK	1 / 0	23.42	-1.70	21.72	0.149	33.01	-11.29
1914.30	1.4	QPSK	1 / 0	23.37	-1.70	21.67	0.147	33.01	-11.34
1850.70	1.4	16-QAM	1 / 5	22.75	-1.70	21.05	0.127	33.01	-11.96
1850.70	1.4	64-QAM	1 / 3	21.77	-1.70	20.07	0.102	33.01	-12.94
1851.50	3	QPSK	1 / 8	23.50	-1.70	21.80	0.151	33.01	-11.21
1882.50	3	QPSK	1 / 8	23.44	-1.70	21.74	0.149	33.01	-11.27
1913.50	3	QPSK	1 / 8	23.19	-1.70	21.49	0.141	33.01	-11.52
1851.50	3	16-QAM	1 / 14	22.67	-1.70	20.97	0.125	33.01	-12.04
1851.50	3	64-QAM	1 / 8	21.80	-1.70	20.10	0.102	33.01	-12.91
1852.50	5	QPSK	1 / 24	23.50	-1.70	21.80	0.151	33.01	-11.21
1882.50	5	QPSK	1 / 24	23.47	-1.70	21.77	0.150	33.01	-11.24
1912.50	5	QPSK	1 / 0	23.26	-1.70	21.56	0.143	33.01	-11.45
1852.50	5	16-QAM	1 / 24	22.70	-1.70	21.00	0.126	33.01	-12.01
1852.50	5	64-QAM	1 / 24	21.59	-1.70	19.89	0.097	33.01	-13.12
1855.00	10	QPSK	1 / 49	23.50	-1.70	21.80	0.151	33.01	-11.21
1882.50	10	QPSK	1 / 49	23.33	-1.70	21.63	0.146	33.01	-11.38
1910.00	10	QPSK	1 / 0	23.33	-1.70	21.63	0.146	33.01	-11.38
1855.00	10	16-QAM	1 / 25	22.72	-1.70	21.02	0.126	33.01	-11.99
1855.00	10	64-QAM	1 / 49	21.60	-1.70	19.90	0.098	33.01	-13.11
1857.50	15	QPSK	1 / 38	23.50	-1.70	21.80	0.151	33.01	-11.21
1882.50	15	QPSK	1 / 74	23.42	-1.70	21.72	0.149	33.01	-11.29
1907.50	15	QPSK	1 / 0	23.42	-1.70	21.72	0.149	33.01	-11.29
1857.50	15	16-QAM	1 / 38	22.87	-1.70	21.17	0.131	33.01	-11.84
1857.50	15	64-QAM	1 / 74	21.77	-1.70	20.07	0.102	33.01	-12.94
1860.00	20	QPSK	1 / 99	23.15	-1.70	21.45	0.140	33.01	-11.56
1882.50	20	QPSK	1 / 99	23.16	-1.70	21.46	0.140	33.01	-11.55
1905.00	20	QPSK	1 / 0	23.50	-1.70	21.80	0.151	33.01	-11.21
1905.00	20	16-QAM	1 / 0	22.51	-1.70	20.81	0.121	33.01	-12.20
1905.00	20	64-QAM	1 / 0	21.65	-1.70	19.95	0.099	33.01	-13.06

Table 7-59. EIRP Data (Band 25)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 291 of 423

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	23.12	-0.20	22.92	0.196	23.98	-1.06
2312.50	5	QPSK	1 / 0	23.25	-0.20	23.05	0.202	23.98	-0.93
2312.50	5	16-QAM	1 / 24	22.46	-0.20	22.26	0.168	23.98	-1.72
2312.50	5	64-QAM	1 / 24	21.39	-0.20	21.19	0.132	23.98	-2.79
2310.00	10	QPSK	1 / 25	23.25	-0.20	23.05	0.202	23.98	-0.93
2310.00	10	16-QAM	1 / 49	22.57	-0.20	22.37	0.173	23.98	-1.61
2310.00	10	64-QAM	1 / 49	21.62	-0.20	21.42	0.139	23.98	-2.56

Table 7-60. EIRP Data (Band 30)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 292 of 423

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	23.00	0.80	23.80	0.240	33.01	-9.21
2535.00	5	QPSK	1 / 0	22.48	0.80	23.28	0.213	33.01	-9.73
2567.50	5	QPSK	1 / 12	22.85	0.80	23.65	0.232	33.01	-9.36
2502.50	5	16-QAM	1 / 0	22.15	0.80	22.95	0.197	33.01	-10.06
2502.50	5	64-QAM	1 / 24	21.24	0.80	22.04	0.160	33.01	-10.97
2505.00	10	QPSK	1 / 49	23.00	0.80	23.80	0.240	33.01	-9.21
2535.00	10	QPSK	1 / 0	22.57	0.80	23.37	0.217	33.01	-9.64
2565.00	10	QPSK	1 / 49	22.64	0.80	23.44	0.221	33.01	-9.57
2505.00	10	16-QAM	1 / 49	22.23	0.80	23.03	0.201	33.01	-9.98
2505.00	10	64-QAM	1 / 49	21.57	0.80	22.37	0.173	33.01	-10.64
2507.50	15	QPSK	1 / 74	22.85	0.80	23.65	0.232	33.01	-9.36
2535.00	15	QPSK	1 / 74	23.00	0.80	23.80	0.240	33.01	-9.21
2562.50	15	QPSK	1 / 0	22.81	0.80	23.61	0.230	33.01	-9.40
2535.00	15	16-QAM	1 / 0	22.47	0.80	23.27	0.212	33.01	-9.74
2535.00	15	64-QAM	1 / 74	21.24	0.80	22.04	0.160	33.01	-10.97
2510.00	20	QPSK	1 / 99	22.89	0.80	23.69	0.234	33.01	-9.32
2535.00	20	QPSK	1 / 99	23.00	0.80	23.80	0.240	33.01	-9.21
2560.00	20	QPSK	1 / 0	22.91	0.80	23.71	0.235	33.01	-9.30
2535.00	20	16-QAM	1 / 99	22.34	0.80	23.14	0.206	33.01	-9.87
2535.00	20	64-QAM	1 / 99	21.67	0.80	22.47	0.177	33.01	-10.54

Table 7-61. EIRP Data (Band 7)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 293 of 423

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	24.00	0.80	24.80	0.302	33.01	-8.21
2593.00	5	QPSK	1 / 12	25.00	0.80	25.80	0.380	33.01	-7.21
2687.50	5	QPSK	1 / 24	24.86	0.80	25.66	0.368	33.01	-7.35
2593.00	5	16-QAM	1 / 24	24.44	0.80	25.24	0.334	33.01	-7.77
2593.00	5	64-QAM	1 / 24	23.53	0.80	24.33	0.271	33.01	-8.68
2501.00	10	QPSK	1 / 49	23.97	0.80	24.77	0.300	33.01	-8.24
2593.00	10	QPSK	1 / 49	25.00	0.80	25.80	0.380	33.01	-7.21
2685.00	10	QPSK	1 / 49	24.94	0.80	25.74	0.375	33.01	-7.27
2593.00	10	16-QAM	1 / 49	24.40	0.80	25.20	0.331	33.01	-7.81
2593.00	10	64-QAM	1 / 25	23.33	0.80	24.13	0.259	33.01	-8.88
2503.50	15	QPSK	1 / 74	24.00	0.80	24.80	0.302	33.01	-8.21
2593.00	15	QPSK	1 / 74	25.00	0.80	25.80	0.380	33.01	-7.21
2682.50	15	QPSK	1 / 0	24.84	0.80	25.64	0.366	33.01	-7.37
2593.00	15	16-QAM	1 / 74	24.18	0.80	24.98	0.315	33.01	-8.03
2593.00	15	64-QAM	1 / 38	23.31	0.80	24.11	0.258	33.01	-8.90
2506.00	20	QPSK	1 / 99	24.00	0.80	24.80	0.302	33.01	-8.21
2593.00	20	QPSK	1 / 99	25.00	0.80	25.80	0.380	33.01	-7.21
2680.00	20	QPSK	1 / 0	25.00	0.80	25.80	0.380	33.01	-7.21
2593.00	20	16-QAM	1 / 99	24.38	0.80	25.18	0.330	33.01	-7.83
2593.00	20	64-QAM	1 / 99	23.40	0.80	24.20	0.263	33.01	-8.81

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 294 of 423

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	23.00	0.80	23.80	0.240	33.01	-9.21
2593.00	5	QPSK	1 / 24	23.00	0.80	23.80	0.240	33.01	-9.21
2687.50	5	QPSK	1 / 24	22.80	0.80	23.60	0.229	33.01	-9.41
2593.00	5	16-QAM	1 / 24	22.04	0.80	22.84	0.192	33.01	-10.17
2593.00	5	64-QAM	1 / 24	21.04	0.80	21.84	0.153	33.01	-11.17
2501.00	10	QPSK	1 / 49	23.00	0.80	23.80	0.240	33.01	-9.21
2593.00	10	QPSK	1 / 0	23.00	0.80	23.80	0.240	33.01	-9.21
2685.00	10	QPSK	1 / 0	22.76	0.80	23.56	0.227	33.01	-9.45
2593.00	10	16-QAM	1 / 49	21.90	0.80	22.70	0.186	33.01	-10.31
2593.00	10	64-QAM	1 / 25	20.90	0.80	21.70	0.148	33.01	-11.31
2503.50	15	QPSK	1 / 74	22.93	0.80	23.73	0.236	33.01	-9.28
2593.00	15	QPSK	1 / 74	23.00	0.80	23.80	0.240	33.01	-9.21
2682.50	15	QPSK	1 / 0	22.98	0.80	23.78	0.239	33.01	-9.23
2593.00	15	16-QAM	1 / 74	21.94	0.80	22.74	0.188	33.01	-10.27
2593.00	15	64-QAM	1 / 0	21.06	0.80	21.86	0.153	33.01	-11.15
2506.00	20	QPSK	1 / 99	23.00	0.80	23.80	0.240	33.01	-9.21
2593.00	20	QPSK	1 / 99	23.00	0.80	23.80	0.240	33.01	-9.21
2680.00	20	QPSK	1 / 0	22.94	0.80	23.74	0.237	33.01	-9.27
2593.00	20	16-QAM	1 / 99	22.05	0.80	22.85	0.193	33.01	-10.16
2593.00	20	64-QAM	1 / 50	20.92	0.80	21.72	0.149	33.01	-11.29

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 295 of 423

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	24.58	-1.20	23.38	0.218	30.00	-6.62
1732.50	1.4	QPSK	1 / 5	24.86	-1.20	23.66	0.232	30.00	-6.34
1754.30	1.4	QPSK	1 / 5	24.67	-1.20	23.47	0.222	30.00	-6.53
1732.50	1.4	16-QAM	1 / 5	23.99	-1.20	22.79	0.190	30.00	-7.21
1732.50	1.4	64-QAM	1 / 5	23.08	-1.20	21.88	0.154	30.00	-8.12
1711.50	3	QPSK	1 / 8	24.56	-1.20	23.36	0.217	30.00	-6.64
1732.50	3	QPSK	1 / 8	24.86	-1.20	23.66	0.232	30.00	-6.34
1753.50	3	QPSK	1 / 8	24.66	-1.20	23.46	0.222	30.00	-6.54
1732.50	3	16-QAM	1 / 8	23.96	-1.20	22.76	0.189	30.00	-7.24
1732.50	3	64-QAM	1 / 8	23.12	-1.20	21.92	0.156	30.00	-8.08
1712.50	5	QPSK	1 / 24	24.66	-1.20	23.46	0.222	30.00	-6.54
1732.50	5	QPSK	1 / 0	24.95	-1.20	23.75	0.237	30.00	-6.25
1752.50	5	QPSK	1 / 24	24.52	-1.20	23.32	0.215	30.00	-6.68
1732.50	5	16-QAM	1 / 0	23.85	-1.20	22.65	0.184	30.00	-7.35
1732.50	5	64-QAM	1 / 0	23.08	-1.20	21.88	0.154	30.00	-8.12
1715.00	10	QPSK	1 / 49	24.71	-1.20	23.51	0.224	30.00	-6.49
1732.50	10	QPSK	1 / 0	24.90	-1.20	23.70	0.234	30.00	-6.30
1750.00	10	QPSK	1 / 49	24.69	-1.20	23.49	0.223	30.00	-6.51
1732.50	10	16-QAM	1 / 0	23.77	-1.20	22.57	0.181	30.00	-7.43
1732.50	10	64-QAM	1 / 0	23.17	-1.20	21.97	0.157	30.00	-8.03
1717.50	15	QPSK	1 / 74	24.81	-1.20	23.61	0.230	30.00	-6.39
1732.50	15	QPSK	1 / 38	24.93	-1.20	23.73	0.236	30.00	-6.27
1747.50	15	QPSK	1 / 38	24.72	-1.20	23.52	0.225	30.00	-6.48
1732.50	15	16-QAM	1 / 0	23.99	-1.20	22.79	0.190	30.00	-7.21
1732.50	15	64-QAM	1 / 38	23.10	-1.20	21.90	0.155	30.00	-8.10
1720.00	20	QPSK	1 / 99	24.74	-1.20	23.54	0.226	30.00	-6.46
1732.50	20	QPSK	1 / 50	24.50	-1.20	23.30	0.214	30.00	-6.70
1745.00	20	QPSK	1 / 0	24.95	-1.20	23.75	0.237	30.00	-6.25
1745.00	20	16-QAM	1 / 99	23.99	-1.20	22.79	0.190	30.00	-7.21
1745.00	20	64-QAM	1 / 0	23.24	-1.20	22.04	0.160	30.00	-7.96

Table 7-64. EIRP Data (Band 4)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 296 of 423

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 / 0	24.57	-1.20	23.37	0.217	30.00	-6.63
1745.00	1.4	QPSK	1 / 5	24.86	-1.20	23.66	0.232	30.00	-6.34
1779.30	1.4	QPSK	1 / 0	24.75	-1.20	23.55	0.226	30.00	-6.45
1745.00	1.4	16-QAM	1 / 5	23.88	-1.20	22.68	0.185	30.00	-7.32
1745.00	1.4	64-QAM	1 / 5	22.94	-1.20	21.74	0.149	30.00	-8.26
1711.50	3	QPSK	1 / 8	24.57	-1.20	23.37	0.217	30.00	-6.63
1745.00	3	QPSK	1 / 8	24.87	-1.20	23.67	0.233	30.00	-6.33
1778.50	3	QPSK	1 / 8	24.74	-1.20	23.54	0.226	30.00	-6.46
1745.00	3	16-QAM	1 / 8	23.80	-1.20	22.60	0.182	30.00	-7.40
1745.00	3	64-QAM	1 / 8	22.99	-1.20	21.79	0.151	30.00	-8.21
1712.50	5	QPSK	1 / 24	24.66	-1.20	23.46	0.222	30.00	-6.54
1745.00	5	QPSK	1 / 0	24.89	-1.20	23.69	0.234	30.00	-6.31
1777.50	5	QPSK	1 / 0	24.67	-1.20	23.47	0.222	30.00	-6.53
1745.00	5	16-QAM	1 / 12	23.77	-1.20	22.57	0.181	30.00	-7.43
1745.00	5	64-QAM	1 / 12	22.95	-1.20	21.75	0.150	30.00	-8.25
1715.00	10	QPSK	1 / 49	24.73	-1.20	23.53	0.225	30.00	-6.47
1745.00	10	QPSK	1 / 0	24.91	-1.20	23.71	0.235	30.00	-6.29
1775.00	10	QPSK	1 / 0	24.86	-1.20	23.66	0.232	30.00	-6.34
1745.00	10	16-QAM	1 / 0	24.01	-1.20	22.81	0.191	30.00	-7.19
1745.00	10	64-QAM	1 / 0	23.03	-1.20	21.83	0.152	30.00	-8.17
1717.50	15	QPSK	1 / 74	24.76	-1.20	23.56	0.227	30.00	-6.44
1745.00	15	QPSK	1 / 38	24.91	-1.20	23.71	0.235	30.00	-6.29
1772.50	15	QPSK	1 / 38	24.87	-1.20	23.67	0.233	30.00	-6.33
1745.00	15	16-QAM	1 / 0	23.99	-1.20	22.79	0.190	30.00	-7.21
1745.00	15	64-QAM	1 / 38	23.09	-1.20	21.89	0.155	30.00	-8.11
1720.00	20	QPSK	1 / 99	24.62	-1.20	23.42	0.220	30.00	-6.58
1745.00	20	QPSK	1 / 0	24.39	-1.20	23.19	0.208	30.00	-6.81
1770.00	20	QPSK	1 / 50	25.00	-1.20	23.80	0.240	30.00	-6.20
1770.00	20	16-QAM	1 / 0	24.06	-1.20	22.86	0.193	30.00	-7.14
1770.00	20	64-QAM	1 / 0	23.28	-1.20	22.08	0.161	30.00	-7.92

Table 7-65. EIRP Data (Band 66)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 297 of 423

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 / 3	24.75	-0.30	24.45	0.279	33.01	-8.56
1880.00	1.4	QPSK	1 / 0	24.72	-0.30	24.42	0.277	33.01	-8.59
1909.30	1.4	QPSK	1 / 5	24.76	-0.30	24.46	0.279	33.01	-8.55
1909.30	1.4	16-QAM	1 / 0	23.95	-0.30	23.65	0.232	33.01	-9.36
1909.30	1.4	64-QAM	1 / 0	23.14	-0.30	22.84	0.192	33.01	-10.17
1851.50	3	QPSK	1 / 8	24.68	-0.30	24.38	0.274	33.01	-8.63
1880.00	3	QPSK	1 / 8	24.62	-0.30	24.32	0.270	33.01	-8.69
1908.50	3	QPSK	1 / 8	24.59	-0.30	24.29	0.269	33.01	-8.72
1851.50	3	16-QAM	1 / 8	23.69	-0.30	23.39	0.218	33.01	-9.62
1851.50	3	64-QAM	1 / 8	22.81	-0.30	22.51	0.178	33.01	-10.50
1852.50	5	QPSK	1 / 24	24.72	-0.30	24.42	0.277	33.01	-8.59
1880.00	5	QPSK	1 / 0	24.76	-0.30	24.46	0.279	33.01	-8.55
1907.50	5	QPSK	1 / 24	24.51	-0.30	24.21	0.264	33.01	-8.80
1880.00	5	16-QAM	1 / 0	23.84	-0.30	23.54	0.226	33.01	-9.47
1880.00	5	64-QAM	1 / 0	23.06	-0.30	22.76	0.189	33.01	-10.25
1855.00	10	QPSK	1 / 49	24.79	-0.30	24.49	0.281	33.01	-8.52
1880.00	10	QPSK	1 / 0	24.78	-0.30	24.48	0.281	33.01	-8.53
1905.00	10	QPSK	1 / 0	24.65	-0.30	24.35	0.272	33.01	-8.66
1855.00	10	16-QAM	1 / 49	23.93	-0.30	23.63	0.231	33.01	-9.38
1855.00	10	64-QAM	1 / 49	22.89	-0.30	22.59	0.182	33.01	-10.42
1857.50	15	QPSK	1 / 74	24.88	-0.30	24.58	0.287	33.01	-8.43
1880.00	15	QPSK	1 / 0	24.75	-0.30	24.45	0.279	33.01	-8.56
1902.50	15	QPSK	1 / 38	24.71	-0.30	24.41	0.276	33.01	-8.60
1857.50	15	16-QAM	1 / 74	24.16	-0.30	23.86	0.243	33.01	-9.15
1857.50	15	64-QAM	1 / 74	23.08	-0.30	22.78	0.190	33.01	-10.23
1860.00	20	QPSK	1 / 99	24.87	-0.30	24.57	0.286	33.01	-8.44
1880.00	20	QPSK	1 / 0	24.52	-0.30	24.22	0.264	33.01	-8.79
1900.00	20	QPSK	1 / 50	24.98	-0.30	24.68	0.294	33.01	-8.33
1900.00	20	16-QAM	1 / 0	23.97	-0.30	23.67	0.233	33.01	-9.34
1900.00	20	64-QAM	1 / 99	23.17	-0.30	22.87	0.194	33.01	-10.14

Table 7-66. EIRP Data (Band 2)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 298 of 423

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	-0.30	24.55	0.285	33.01	-8.46
1882.50	1.4	QPSK	1 / 5	24.76	-0.30	24.46	0.279	33.01	-8.55
1914.30	1.4	QPSK	1 / 0	24.58	-0.30	24.28	0.268	33.01	-8.73
1850.70	1.4	16-QAM	1 / 5	23.92	-0.30	23.62	0.230	33.01	-9.39
1850.70	1.4	64-QAM	1 / 0	23.11	-0.30	22.81	0.191	33.01	-10.20
1851.50	3	QPSK	1 / 8	24.81	-0.30	24.51	0.282	33.01	-8.50
1882.50	3	QPSK	1 / 8	24.77	-0.30	24.47	0.280	33.01	-8.54
1913.50	3	QPSK	1 / 8	24.62	-0.30	24.32	0.270	33.01	-8.69
1851.50	3	16-QAM	1 / 0	23.93	-0.30	23.63	0.231	33.01	-9.38
1851.50	3	64-QAM	1 / 8	23.02	-0.30	22.72	0.187	33.01	-10.29
1852.50	5	QPSK	1 / 24	24.76	-0.30	24.46	0.279	33.01	-8.55
1882.50	5	QPSK	1 / 24	24.77	-0.30	24.47	0.280	33.01	-8.54
1912.50	5	QPSK	1 / 0	24.51	-0.30	24.21	0.264	33.01	-8.80
1882.50	5	16-QAM	1 / 0	23.87	-0.30	23.57	0.228	33.01	-9.44
1882.50	5	64-QAM	1 / 0	22.95	-0.30	22.65	0.184	33.01	-10.36
1855.00	10	QPSK	1 / 49	24.80	-0.30	24.50	0.282	33.01	-8.51
1882.50	10	QPSK	1 / 0	24.75	-0.30	24.45	0.279	33.01	-8.56
1910.00	10	QPSK	1 / 0	24.61	-0.30	24.31	0.270	33.01	-8.70
1855.00	10	16-QAM	1 / 49	24.07	-0.30	23.77	0.238	33.01	-9.24
1855.00	10	64-QAM	1 / 49	23.11	-0.30	22.81	0.191	33.01	-10.20
1857.50	15	QPSK	1 / 74	24.89	-0.30	24.59	0.288	33.01	-8.42
1882.50	15	QPSK	1 / 38	24.76	-0.30	24.46	0.279	33.01	-8.55
1907.50	15	QPSK	1 / 38	24.71	-0.30	24.41	0.276	33.01	-8.60
1857.50	15	16-QAM	1 / 74	24.14	-0.30	23.84	0.242	33.01	-9.17
1857.50	15	64-QAM	1 / 74	23.18	-0.30	22.88	0.194	33.01	-10.13
1860.00	20	QPSK	1 / 99	24.87	-0.30	24.57	0.286	33.01	-8.44
1882.50	20	QPSK	1 / 0	24.79	-0.30	24.49	0.281	33.01	-8.52
1905.00	20	QPSK	1 / 50	24.95	-0.30	24.65	0.292	33.01	-8.36
1905.00	20	16-QAM	1 / 50	24.01	-0.30	23.71	0.235	33.01	-9.30
1905.00	20	64-QAM	1 / 50	23.27	-0.30	22.97	0.198	33.01	-10.04

Table 7-67. EIRP Data (Band 25)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 299 of 423

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	22.30	-0.30	22.00	0.158	23.98	-1.98
2312.50	5	QPSK	1 / 24	22.38	-0.30	22.08	0.161	23.98	-1.90
2312.50	5	16-QAM	1 / 0	21.48	-0.30	21.18	0.131	23.98	-2.80
2312.50	5	64-QAM	1 / 24	21.44	-0.30	21.14	0.130	23.98	-2.84
2310.00	10	QPSK	1 / 49	22.32	-0.30	22.02	0.159	23.98	-1.96
2310.00	10	16-QAM	1 / 49	21.49	-0.30	21.19	0.132	23.98	-2.79
2310.00	10	64-QAM	1 / 49	20.91	-0.30	20.61	0.115	23.98	-3.37

Table 7-68. EIRP Data (Band 30)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 300 of 423

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	24.58	-1.30	23.28	0.213	33.01	-9.73
2535.00	5	QPSK	1 / 24	24.92	-1.30	23.62	0.230	33.01	-9.39
2567.50	5	QPSK	1 / 24	24.35	-1.30	23.05	0.202	33.01	-9.96
2535.00	5	16-QAM	1 / 12	23.77	-1.30	22.47	0.177	33.01	-10.54
2535.00	5	64-QAM	1 / 12	22.97	-1.30	21.67	0.147	33.01	-11.34
2505.00	10	QPSK	1 / 49	24.64	-1.30	23.34	0.216	33.01	-9.67
2535.00	10	QPSK	1 / 49	24.95	-1.30	23.65	0.232	33.01	-9.36
2565.00	10	QPSK	1 / 0	24.60	-1.30	23.30	0.214	33.01	-9.71
2535.00	10	16-QAM	1 / 49	23.99	-1.30	22.69	0.186	33.01	-10.32
2535.00	10	64-QAM	1 / 49	23.02	-1.30	21.72	0.149	33.01	-11.29
2507.50	15	QPSK	1 / 74	24.77	-1.30	23.47	0.222	33.01	-9.54
2535.00	15	QPSK	1 / 38	24.94	-1.30	23.64	0.231	33.01	-9.37
2562.50	15	QPSK	1 / 38	24.54	-1.30	23.24	0.211	33.01	-9.77
2535.00	15	16-QAM	1 / 38	23.89	-1.30	22.59	0.182	33.01	-10.42
2535.00	15	64-QAM	1 / 38	23.07	-1.30	21.77	0.150	33.01	-11.24
2510.00	20	QPSK	1 / 99	24.45	-1.30	23.15	0.207	33.01	-9.86
2535.00	20	QPSK	1 / 99	24.94	-1.30	23.64	0.231	33.01	-9.37
2560.00	20	QPSK	1 / 0	24.68	-1.30	23.38	0.218	33.01	-9.63
2535.00	20	16-QAM	1 / 99	23.90	-1.30	22.60	0.182	33.01	-10.41
2535.00	20	64-QAM	1 / 0	23.15	-1.30	21.85	0.153	33.01	-11.16

Table 7-69. EIRP Data (Band 7)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 301 of 423

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	25.82	-1.30	24.52	0.283	33.01	-8.49
2593.00	5	QPSK	1 / 24	27.87	-1.30	26.57	0.454	33.01	-6.44
2687.50	5	QPSK	1 / 24	27.72	-1.30	26.42	0.439	33.01	-6.59
2593.00	5	16-QAM	1 / 24	27.22	-1.30	25.92	0.391	33.01	-7.09
2687.50	5	64-QAM	1 / 0	26.40	-1.30	25.10	0.324	33.01	-7.91
2501.00	10	QPSK	1 / 25	25.98	-1.30	24.68	0.294	33.01	-8.33
2593.00	10	QPSK	1 / 0	27.67	-1.30	26.37	0.434	33.01	-6.64
2685.00	10	QPSK	1 / 49	27.90	-1.30	26.60	0.457	33.01	-6.41
2685.00	10	16-QAM	1 / 49	27.23	-1.30	25.93	0.392	33.01	-7.08
2685.00	10	64-QAM	1 / 0	26.42	-1.30	25.12	0.325	33.01	-7.89
2503.50	15	QPSK	1 / 0	25.56	-1.30	24.26	0.267	33.01	-8.75
2593.00	15	QPSK	1 / 38	27.99	-1.30	26.69	0.467	33.01	-6.32
2682.50	15	QPSK	1 / 0	27.86	-1.30	26.56	0.453	33.01	-6.45
2593.00	15	16-QAM	1 / 38	27.03	-1.30	25.73	0.374	33.01	-7.28
2593.00	15	64-QAM	1 / 74	26.07	-1.30	24.77	0.300	33.01	-8.24
2506.00	20	QPSK	1 / 99	25.94	-1.30	24.64	0.291	33.01	-8.37
2593.00	20	QPSK	1 / 50	27.52	-1.30	26.22	0.419	33.01	-6.79
2680.00	20	QPSK	1 / 0	27.83	-1.30	26.53	0.450	33.01	-6.48
2680.00	20	16-QAM	1 / 50	27.14	-1.30	25.84	0.384	33.01	-7.17
2680.00	20	64-QAM	1 / 50	26.21	-1.30	24.91	0.310	33.01	-8.10

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 302 of 423

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	23.88	-1.30	22.58	0.181	33.01	-10.43
2593.00	5	QPSK	1 / 0	25.51	-1.30	24.21	0.264	33.01	-8.80
2687.50	5	QPSK	1 / 0	25.21	-1.30	23.91	0.246	33.01	-9.10
2593.00	5	16-QAM	1 / 24	24.94	-1.30	23.64	0.231	33.01	-9.37
2687.50	5	64-QAM	1 / 0	24.10	-1.30	22.80	0.191	33.01	-10.21
2501.00	10	QPSK	1 / 49	24.29	-1.30	22.99	0.199	33.01	-10.02
2593.00	10	QPSK	1 / 25	25.35	-1.30	24.05	0.254	33.01	-8.96
2685.00	10	QPSK	1 / 0	25.61	-1.30	24.31	0.270	33.01	-8.70
2685.00	10	16-QAM	1 / 49	24.58	-1.30	23.28	0.213	33.01	-9.73
2685.00	10	64-QAM	1 / 49	24.07	-1.30	22.77	0.189	33.01	-10.24
2503.50	15	QPSK	1 / 74	24.12	-1.30	22.82	0.191	33.01	-10.19
2593.00	15	QPSK	1 / 0	25.70	-1.30	24.40	0.275	33.01	-8.61
2682.50	15	QPSK	1 / 74	25.67	-1.30	24.37	0.274	33.01	-8.64
2593.00	15	16-QAM	1 / 0	24.98	-1.30	23.68	0.233	33.01	-9.33
2593.00	15	64-QAM	1 / 74	23.87	-1.30	22.57	0.181	33.01	-10.44
2506.00	20	QPSK	1 / 0	23.97	-1.30	22.67	0.185	33.01	-10.34
2593.00	20	QPSK	1 / 99	25.16	-1.30	23.86	0.243	33.01	-9.15
2680.00	20	QPSK	1 / 50	25.70	-1.30	24.40	0.275	33.01	-8.61
2680.00	20	16-QAM	1 / 50	24.88	-1.30	23.58	0.228	33.01	-9.43
2680.00	20	64-QAM	1 / 50	23.76	-1.30	22.46	0.176	33.01	-10.55

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 303 of 423

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 / 3	23.00	-0.40	22.60	0.182	30.00	-7.40
1732.50	1.4	QPSK	1 / 5	22.75	-0.40	22.35	0.172	30.00	-7.65
1754.30	1.4	QPSK	1 / 3	22.87	-0.40	22.47	0.177	30.00	-7.53
1710.70	1.4	16-QAM	1 / 3	22.29	-0.40	21.89	0.155	30.00	-8.11
1710.70	1.4	64-QAM	1 / 0	21.28	-0.40	20.88	0.122	30.00	-9.12
1711.50	3	QPSK	1 / 0	22.98	-0.40	22.58	0.181	30.00	-7.42
1732.50	3	QPSK	1 / 8	22.94	-0.40	22.54	0.179	30.00	-7.46
1753.50	3	QPSK	1 / 14	22.90	-0.40	22.50	0.178	30.00	-7.50
1711.50	3	16-QAM	1 / 0	22.10	-0.40	21.70	0.148	30.00	-8.30
1711.50	3	64-QAM	1 / 14	21.41	-0.40	21.01	0.126	30.00	-8.99
1712.50	5	QPSK	1 / 12	22.98	-0.40	22.58	0.181	30.00	-7.42
1732.50	5	QPSK	1 / 12	22.82	-0.40	22.42	0.175	30.00	-7.58
1752.50	5	QPSK	1 / 0	22.92	-0.40	22.52	0.179	30.00	-7.48
1712.50	5	16-QAM	1 / 24	22.22	-0.40	21.82	0.152	30.00	-8.18
1712.50	5	64-QAM	1 / 24	21.09	-0.40	20.69	0.117	30.00	-9.31
1715.00	10	QPSK	1 / 25	22.93	-0.40	22.53	0.179	30.00	-7.47
1732.50	10	QPSK	1 / 0	22.99	-0.40	22.59	0.182	30.00	-7.41
1750.00	10	QPSK	1 / 49	22.94	-0.40	22.54	0.179	30.00	-7.46
1732.50	10	16-QAM	1 / 0	22.25	-0.40	21.85	0.153	30.00	-8.15
1732.50	10	64-QAM	1 / 25	21.30	-0.40	20.90	0.123	30.00	-9.10
1717.50	15	QPSK	1 / 74	22.92	-0.40	22.52	0.179	30.00	-7.48
1732.50	15	QPSK	1 / 38	22.96	-0.40	22.56	0.180	30.00	-7.44
1747.50	15	QPSK	1 / 74	22.74	-0.40	22.34	0.171	30.00	-7.66
1732.50	15	16-QAM	1 / 38	22.17	-0.40	21.77	0.150	30.00	-8.23
1732.50	15	64-QAM	1 / 74	21.29	-0.40	20.89	0.123	30.00	-9.11
1720.00	20	QPSK	1 / 0	22.99	-0.40	22.59	0.182	30.00	-7.41
1732.50	20	QPSK	1 / 0	22.90	-0.40	22.50	0.178	30.00	-7.50
1745.00	20	QPSK	1 / 99	22.92	-0.40	22.52	0.179	30.00	-7.48
1720.00	20	16-QAM	1 / 0	22.30	-0.40	21.90	0.155	30.00	-8.10
1720.00	20	64-QAM	1 / 99	21.10	-0.40	20.70	0.117	30.00	-9.30

Table 7-72. EIRP Data (Band 4)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 304 of 423

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 / 0	22.98	-0.40	22.58	0.181	30.00	-7.42
1745.00	1.4	QPSK	1 / 3	22.95	-0.40	22.55	0.180	30.00	-7.45
1779.30	1.4	QPSK	1 / 3	22.97	-0.40	22.57	0.181	30.00	-7.43
1710.70	1.4	16-QAM	1 / 5	21.95	-0.40	21.55	0.143	30.00	-8.45
1710.70	1.4	64-QAM	1 / 5	21.37	-0.40	20.97	0.125	30.00	-9.03
1711.50	3	QPSK	1 / 14	22.66	-0.40	22.26	0.168	30.00	-7.74
1745.00	3	QPSK	1 / 14	22.94	-0.40	22.54	0.179	30.00	-7.46
1778.50	3	QPSK	1 / 14	22.93	-0.40	22.53	0.179	30.00	-7.47
1745.00	3	16-QAM	1 / 14	22.24	-0.40	21.84	0.153	30.00	-8.16
1745.00	3	64-QAM	1 / 0	21.27	-0.40	20.87	0.122	30.00	-9.13
1712.50	5	QPSK	1 / 12	23.00	-0.40	22.60	0.182	30.00	-7.40
1745.00	5	QPSK	1 / 0	22.88	-0.40	22.48	0.177	30.00	-7.52
1777.50	5	QPSK	1 / 0	22.92	-0.40	22.52	0.179	30.00	-7.48
1712.50	5	16-QAM	1 / 24	22.26	-0.40	21.86	0.153	30.00	-8.14
1712.50	5	64-QAM	1 / 0	21.14	-0.40	20.74	0.119	30.00	-9.26
1715.00	10	QPSK	1 / 0	22.85	-0.40	22.45	0.176	30.00	-7.55
1745.00	10	QPSK	1 / 49	22.79	-0.40	22.39	0.173	30.00	-7.61
1775.00	10	QPSK	1 / 25	22.87	-0.40	22.47	0.177	30.00	-7.53
1775.00	10	16-QAM	1 / 25	22.29	-0.40	21.89	0.155	30.00	-8.11
1775.00	10	64-QAM	1 / 0	21.29	-0.40	20.89	0.123	30.00	-9.11
1717.50	15	QPSK	1 / 0	22.87	-0.40	22.47	0.177	30.00	-7.53
1745.00	15	QPSK	1 / 0	22.99	-0.40	22.59	0.182	30.00	-7.41
1772.50	15	QPSK	1 / 74	22.94	-0.40	22.54	0.179	30.00	-7.46
1745.00	15	16-QAM	1 / 0	22.23	-0.40	21.83	0.152	30.00	-8.17
1745.00	15	64-QAM	1 / 0	21.36	-0.40	20.96	0.125	30.00	-9.04
1720.00	20	QPSK	1 / 50	22.89	-0.40	22.49	0.177	30.00	-7.51
1745.00	20	QPSK	1 / 0	22.81	-0.40	22.41	0.174	30.00	-7.59
1770.00	20	QPSK	1 / 0	22.87	-0.40	22.47	0.177	30.00	-7.53
1720.00	20	16-QAM	1 / 50	22.28	-0.40	21.88	0.154	30.00	-8.12
1720.00	20	64-QAM	1 / 99	21.35	-0.40	20.95	0.124	30.00	-9.05

Table 7-73. EIRP Data (Band 66)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 305 of 423

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	22.92	0.30	23.22	0.210	33.01	-9.79
1880.00	1.4	QPSK	1 / 3	22.97	0.30	23.27	0.212	33.01	-9.74
1909.30	1.4	QPSK	1 / 3	22.86	0.30	23.16	0.207	33.01	-9.85
1880.00	1.4	16-QAM	1 / 0	22.05	0.30	22.35	0.172	33.01	-10.66
1880.00	1.4	64-QAM	1 / 3	20.97	0.30	21.27	0.134	33.01	-11.74
1851.50	3	QPSK	1 / 14	22.92	0.30	23.22	0.210	33.01	-9.79
1880.00	3	QPSK	1 / 14	22.99	0.30	23.29	0.213	33.01	-9.72
1908.50	3	QPSK	1 / 14	22.89	0.30	23.19	0.208	33.01	-9.82
1880.00	3	16-QAM	1 / 8	22.30	0.30	22.60	0.182	33.01	-10.41
1880.00	3	64-QAM	1 / 8	21.42	0.30	21.72	0.149	33.01	-11.29
1852.50	5	QPSK	1 / 24	22.80	0.30	23.10	0.204	33.01	-9.91
1880.00	5	QPSK	1 / 24	22.77	0.30	23.07	0.203	33.01	-9.94
1907.50	5	QPSK	1 / 0	22.93	0.30	23.23	0.210	33.01	-9.78
1907.50	5	16-QAM	1 / 12	22.11	0.30	22.41	0.174	33.01	-10.60
1907.50	5	64-QAM	1 / 24	21.29	0.30	21.59	0.144	33.01	-11.42
1855.00	10	QPSK	1 / 0	22.74	0.30	23.04	0.201	33.01	-9.97
1880.00	10	QPSK	1 / 0	22.97	0.30	23.27	0.212	33.01	-9.74
1905.00	10	QPSK	1 / 0	22.96	0.30	23.26	0.212	33.01	-9.75
1880.00	10	16-QAM	1 / 49	22.12	0.30	22.42	0.175	33.01	-10.59
1880.00	10	64-QAM	1 / 25	21.49	0.30	21.79	0.151	33.01	-11.22
1857.50	15	QPSK	1 / 0	22.76	0.30	23.06	0.202	33.01	-9.95
1880.00	15	QPSK	1 / 0	22.81	0.30	23.11	0.205	33.01	-9.90
1902.50	15	QPSK	1 / 0	22.96	0.30	23.26	0.212	33.01	-9.75
1902.50	15	16-QAM	1 / 38	21.85	0.30	22.15	0.164	33.01	-10.86
1902.50	15	64-QAM	1 / 74	20.99	0.30	21.29	0.135	33.01	-11.72
1860.00	20	QPSK	1 / 0	22.96	0.30	23.26	0.212	33.01	-9.75
1880.00	20	QPSK	1 / 0	22.99	0.30	23.29	0.213	33.01	-9.72
1900.00	20	QPSK	1 / 0	22.97	0.30	23.27	0.212	33.01	-9.74
1880.00	20	16-QAM	1 / 99	22.24	0.30	22.54	0.179	33.01	-10.47
1880.00	20	64-QAM	1 / 50	21.36	0.30	21.66	0.147	33.01	-11.35

Table 7-74. EIRP Data (Band 2)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 306 of 423

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 / 3	22.89	0.30	23.19	0.208	33.01	-9.82
1882.50	1.4	QPSK	1 / 5	22.85	0.30	23.15	0.207	33.01	-9.86
1914.30	1.4	QPSK	1 / 5	22.80	0.30	23.10	0.204	33.01	-9.91
1850.70	1.4	16-QAM	1 / 0	22.08	0.30	22.38	0.173	33.01	-10.63
1850.70	1.4	64-QAM	1 / 5	21.34	0.30	21.64	0.146	33.01	-11.37
1851.50	3	QPSK	1 / 0	22.84	0.30	23.14	0.206	33.01	-9.87
1882.50	3	QPSK	1 / 8	22.81	0.30	23.11	0.205	33.01	-9.90
1913.50	3	QPSK	1 / 14	22.97	0.30	23.27	0.212	33.01	-9.74
1913.50	3	16-QAM	1 / 14	22.23	0.30	22.53	0.179	33.01	-10.48
1913.50	3	64-QAM	1 / 0	21.49	0.30	21.79	0.151	33.01	-11.22
1852.50	5	QPSK	1 / 0	22.80	0.30	23.10	0.204	33.01	-9.91
1882.50	5	QPSK	1 / 24	22.85	0.30	23.15	0.207	33.01	-9.86
1912.50	5	QPSK	1 / 12	22.99	0.30	23.29	0.213	33.01	-9.72
1912.50	5	16-QAM	1 / 0	22.15	0.30	22.45	0.176	33.01	-10.56
1912.50	5	64-QAM	1 / 0	21.49	0.30	21.79	0.151	33.01	-11.22
1855.00	10	QPSK	1 / 25	22.97	0.30	23.27	0.212	33.01	-9.74
1882.50	10	QPSK	1 / 25	22.82	0.30	23.12	0.205	33.01	-9.89
1910.00	10	QPSK	1 / 0	22.96	0.30	23.26	0.212	33.01	-9.75
1855.00	10	16-QAM	1 / 0	21.87	0.30	22.17	0.165	33.01	-10.84
1855.00	10	64-QAM	1 / 49	21.44	0.30	21.74	0.149	33.01	-11.27
1857.50	15	QPSK	1 / 74	22.99	0.30	23.29	0.213	33.01	-9.72
1882.50	15	QPSK	1 / 38	22.94	0.30	23.24	0.211	33.01	-9.77
1907.50	15	QPSK	1 / 38	22.71	0.30	23.01	0.200	33.01	-10.00
1857.50	15	16-QAM	1 / 38	22.19	0.30	22.49	0.177	33.01	-10.52
1857.50	15	64-QAM	1 / 38	21.14	0.30	21.44	0.139	33.01	-11.57
1860.00	20	QPSK	1 / 0	23.00	0.30	23.30	0.214	33.01	-9.71
1882.50	20	QPSK	1 / 50	22.84	0.30	23.14	0.206	33.01	-9.87
1905.00	20	QPSK	1 / 99	22.94	0.30	23.24	0.211	33.01	-9.77
1860.00	20	16-QAM	1 / 0	22.10	0.30	22.40	0.174	33.01	-10.61
1860.00	20	64-QAM	1 / 50	21.11	0.30	21.41	0.138	33.01	-11.60

Table 7-75. EIRP Data (Band 25)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 307 of 423

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	22.10	0.20	22.30	0.170	23.98	-1.68
2312.50	5	QPSK	1 / 24	22.09	0.20	22.29	0.169	23.98	-1.69
2312.50	5	16-QAM	1 / 24	21.43	0.20	21.63	0.146	23.98	-2.35
2307.50	5	64-QAM	1 / 12	20.67	0.20	20.87	0.122	23.98	-3.11
2310.00	10	QPSK	1 / 49	22.04	0.20	22.24	0.167	23.98	-1.74
2310.00	10	16-QAM	1 / 49	21.29	0.20	21.49	0.141	23.98	-2.49
2310.00	10	64-QAM	1 / 0	20.52	0.20	20.72	0.118	23.98	-3.26

Table 7-76. EIRP Data (Band 30)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 308 of 423

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	22.98	-0.20	22.78	0.190	33.01	-10.23
2535.00	5	QPSK	1 / 0	22.96	-0.20	22.76	0.189	33.01	-10.25
2567.50	5	QPSK	1 / 24	22.90	-0.20	22.70	0.186	33.01	-10.31
2502.50	5	16-QAM	1 / 0	22.25	-0.20	22.05	0.160	33.01	-10.96
2502.50	5	64-QAM	1 / 12	21.40	-0.20	21.20	0.132	33.01	-11.81
2505.00	10	QPSK	1 / 0	22.85	-0.20	22.65	0.184	33.01	-10.36
2535.00	10	QPSK	1 / 25	22.98	-0.20	22.78	0.190	33.01	-10.23
2565.00	10	QPSK	1 / 49	22.85	-0.20	22.65	0.184	33.01	-10.36
2535.00	10	16-QAM	1 / 49	22.21	-0.20	22.01	0.159	33.01	-11.00
2535.00	10	64-QAM	1 / 49	21.27	-0.20	21.07	0.128	33.01	-11.94
2507.50	15	QPSK	1 / 38	22.91	-0.20	22.71	0.187	33.01	-10.30
2535.00	15	QPSK	1 / 74	22.90	-0.20	22.70	0.186	33.01	-10.31
2562.50	15	QPSK	1 / 38	22.94	-0.20	22.74	0.188	33.01	-10.27
2562.50	15	16-QAM	1 / 0	21.90	-0.20	21.70	0.148	33.01	-11.31
2562.50	15	64-QAM	1 / 74	21.40	-0.20	21.20	0.132	33.01	-11.81
2510.00	20	QPSK	1 / 0	22.91	-0.20	22.71	0.187	33.01	-10.30
2535.00	20	QPSK	1 / 50	22.92	-0.20	22.72	0.187	33.01	-10.29
2560.00	20	QPSK	1 / 99	22.82	-0.20	22.62	0.183	33.01	-10.39
2535.00	20	16-QAM	1 / 0	21.99	-0.20	21.79	0.151	33.01	-11.22
2535.00	20	64-QAM	1 / 0	21.28	-0.20	21.08	0.128	33.01	-11.93

Table 7-77. EIRP Data (Band 7)

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 309 of 423

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	23.43	-0.20	23.23	0.210	33.01	-9.78
2593.00	5	QPSK	1 / 12	25.16	-0.20	24.96	0.313	33.01	-8.05
2687.50	5	QPSK	1 / 0	25.48	-0.20	25.28	0.337	33.01	-7.73
2593.00	5	16-QAM	1 / 0	24.74	-0.20	24.54	0.284	33.01	-8.47
2593.00	5	64-QAM	1 / 24	23.89	-0.20	23.69	0.234	33.01	-9.32
2501.00	10	QPSK	1 / 49	23.35	-0.20	23.15	0.207	33.01	-9.86
2593.00	10	QPSK	1 / 25	25.38	-0.20	25.18	0.330	33.01	-7.83
2685.00	10	QPSK	1 / 0	25.37	-0.20	25.17	0.329	33.01	-7.84
2685.00	10	16-QAM	1 / 25	24.64	-0.20	24.44	0.278	33.01	-8.57
2685.00	10	64-QAM	1 / 25	23.99	-0.20	23.79	0.239	33.01	-9.22
2503.50	15	QPSK	1 / 74	23.15	-0.20	22.95	0.197	33.01	-10.06
2593.00	15	QPSK	1 / 74	25.20	-0.20	25.00	0.316	33.01	-8.01
2682.50	15	QPSK	1 / 38	25.50	-0.20	25.30	0.339	33.01	-7.71
2593.00	15	16-QAM	1 / 0	24.64	-0.20	24.44	0.278	33.01	-8.57
2593.00	15	64-QAM	1 / 74	23.86	-0.20	23.66	0.232	33.01	-9.35
2506.00	20	QPSK	1 / 0	23.42	-0.20	23.22	0.210	33.01	-9.79
2593.00	20	QPSK	1 / 99	25.40	-0.20	25.20	0.331	33.01	-7.81
2680.00	20	QPSK	1 / 50	25.28	-0.20	25.08	0.322	33.01	-7.93
2593.00	20	16-QAM	1 / 99	24.72	-0.20	24.52	0.283	33.01	-8.49
2593.00	20	64-QAM	1 / 50	23.88	-0.20	23.68	0.233	33.01	-9.33

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 310 of 423

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	22.40	-0.20	22.20	0.166	33.01	-10.81
2593.00	5	QPSK	1 / 12	22.15	-0.20	21.95	0.157	33.01	-11.06
2687.50	5	QPSK	1 / 0	22.44	-0.20	22.24	0.167	33.01	-10.77
2593.00	5	16-QAM	1 / 12	21.67	-0.20	21.47	0.140	33.01	-11.54
2593.00	5	64-QAM	1 / 0	20.70	-0.20	20.50	0.112	33.01	-12.51
2501.00	10	QPSK	1 / 0	22.36	-0.20	22.16	0.164	33.01	-10.85
2593.00	10	QPSK	1 / 49	22.36	-0.20	22.16	0.164	33.01	-10.85
2685.00	10	QPSK	1 / 25	22.23	-0.20	22.03	0.160	33.01	-10.98
2685.00	10	16-QAM	1 / 49	21.58	-0.20	21.38	0.137	33.01	-11.63
2685.00	10	64-QAM	1 / 0	20.96	-0.20	20.76	0.119	33.01	-12.25
2503.50	15	QPSK	1 / 74	22.37	-0.20	22.17	0.165	33.01	-10.84
2593.00	15	QPSK	1 / 0	22.43	-0.20	22.23	0.167	33.01	-10.78
2682.50	15	QPSK	1 / 0	22.46	-0.20	22.26	0.168	33.01	-10.75
2593.00	15	16-QAM	1 / 0	21.72	-0.20	21.52	0.142	33.01	-11.49
2593.00	15	64-QAM	1 / 74	20.77	-0.20	20.57	0.114	33.01	-12.44
2506.00	20	QPSK	1 / 0	22.28	-0.20	22.08	0.161	33.01	-10.93
2593.00	20	QPSK	1 / 99	22.41	-0.20	22.21	0.166	33.01	-10.80
2680.00	20	QPSK	1 / 50	22.27	-0.20	22.07	0.161	33.01	-10.94
2593.00	20	16-QAM	1 / 0	21.52	-0.20	21.32	0.136	33.01	-11.69
2593.00	20	64-QAM	1 / 50	20.70	-0.20	20.50	0.112	33.01	-12.51

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 311 of 423

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

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Test Setup

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

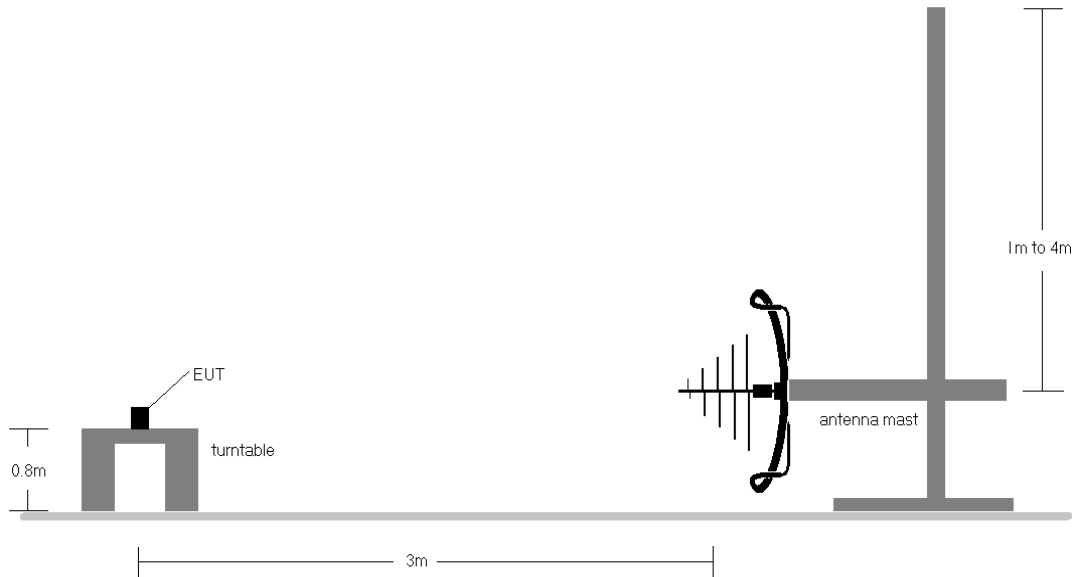


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

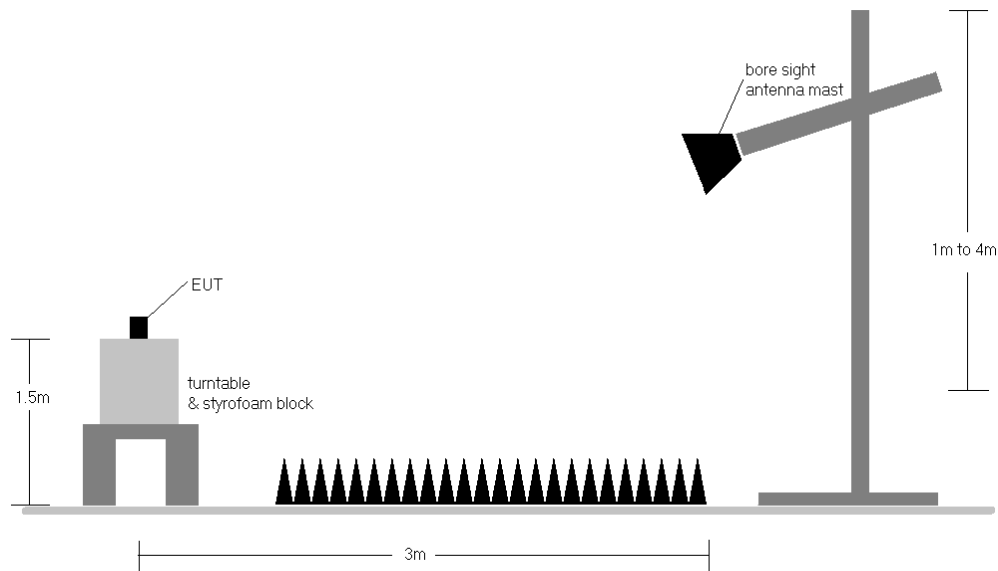


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

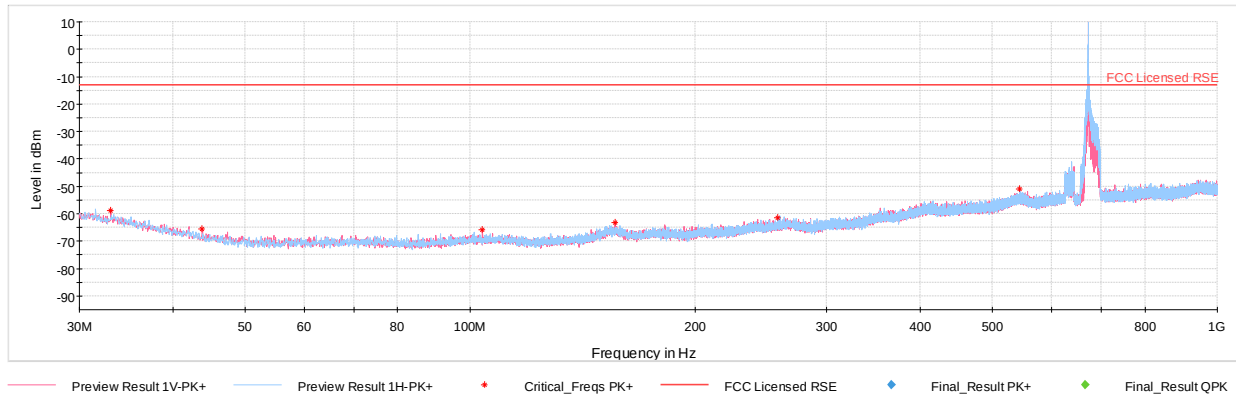
FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 313 of 423

Test Notes

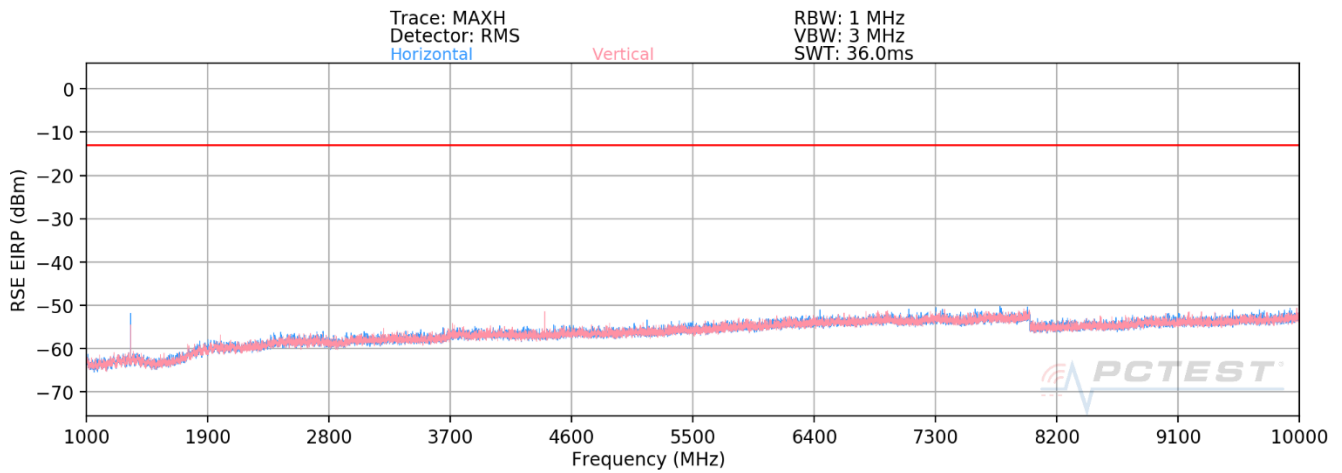
- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with 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.

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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: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 315 of 423

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	288	107	-63.04	3.46	-59.57	-46.6
2019.00	V	-	-	-69.41	4.27	-65.14	-52.1
2692.00	V	-	-	-70.10	6.52	-63.57	-50.6
3365.00	V	-	-	-71.27	8.00	-63.27	-50.3

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	V	360	156	-62.86	3.40	-59.46	-46.5
2041.50	V	-	-	-68.75	4.53	-64.22	-51.2
2722.00	V	-	-	-69.91	6.61	-63.30	-50.3
3402.50	V	-	-	-71.38	8.11	-63.27	-50.3

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 316 of 423

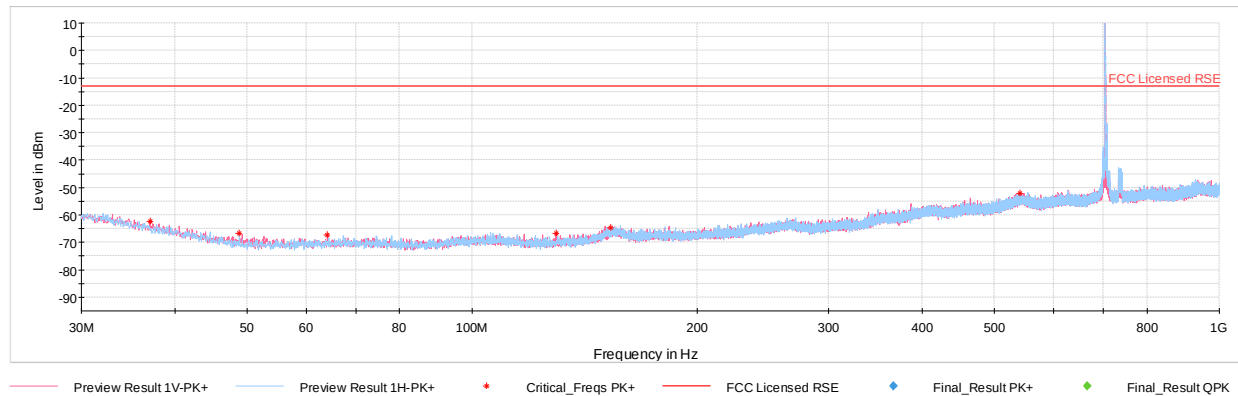
OPERATING FREQUENCY: 688.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

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	H	299	103	-67.48	3.71	-63.77	-50.8
2064.00	V	273	36	-62.26	4.58	-57.68	-44.7
2752.00	V	-	-	-70.32	6.67	-63.64	-50.6
3440.00	V	-	-	-70.88	8.12	-62.76	-49.8
4128.00	V	-	-	-71.42	8.98	-62.43	-49.4

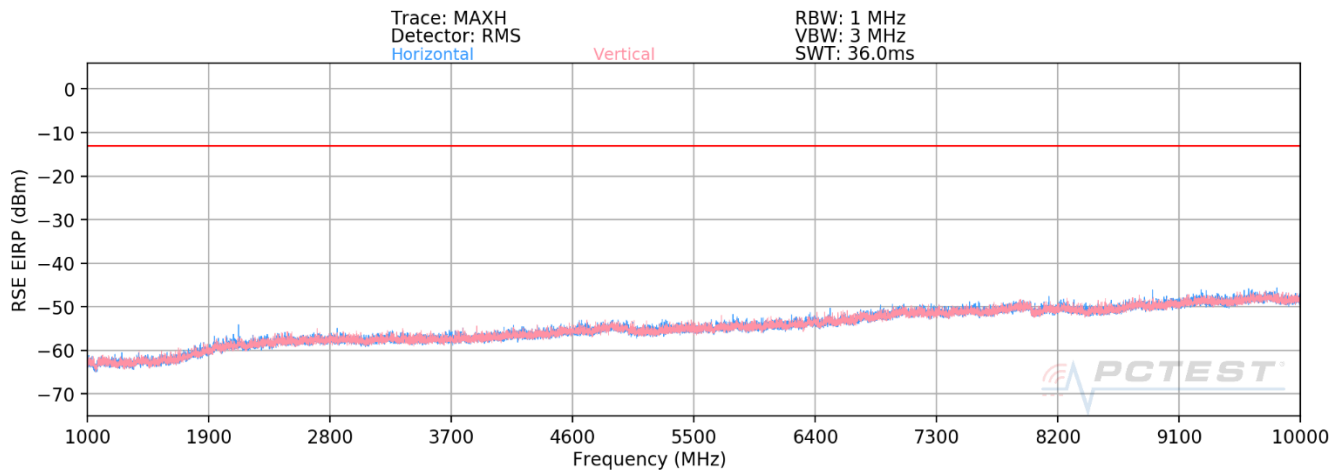
Table 7-82. Radiated Spurious Data (Band 71 – High Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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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: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 318 of 423

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	-	-	-72.18	4.35	-67.83	-54.8
2112.00	H	102	232	-66.19	5.05	-61.13	-48.1
2816.00	H	-	-	-69.96	6.90	-63.06	-50.1
3520.00	H	-	-	-71.24	8.03	-63.21	-50.2
4224.00	H	-	-	-71.48	9.19	-62.29	-49.3

Table 7-83. Radiated Spurious Data (Band 12/17 – 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	-	-	-72.20	4.42	-67.77	-54.8
2122.50	H	134	227	-66.11	5.22	-60.89	-47.9
2830.00	H	-	-	-70.02	7.01	-63.02	-50.0
3537.50	H	-	-	-71.04	8.00	-63.04	-50.0
4245.00	H	-	-	-71.58	9.21	-62.37	-49.4

Table 7-84. Radiated Spurious Data (Band 12/17 – Mid Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 319 of 423

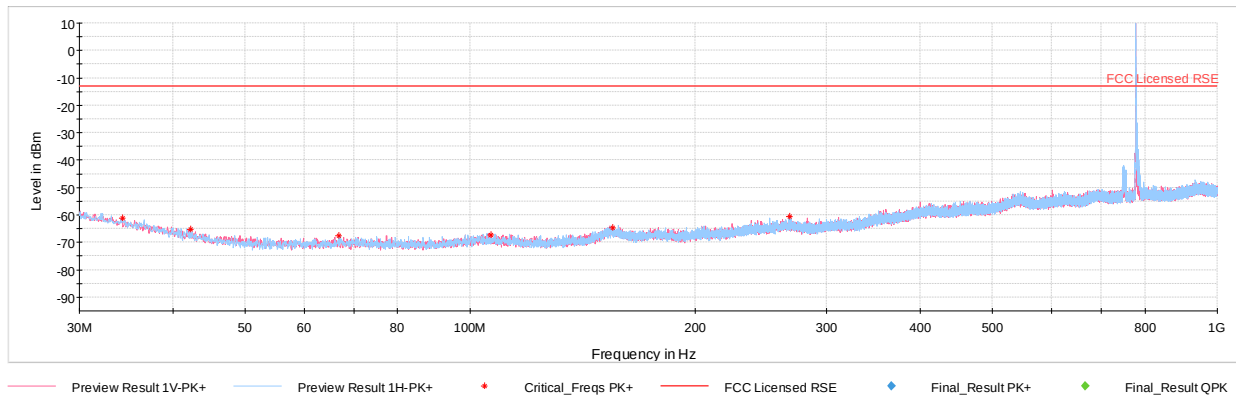
OPERATING FREQUENCY: 711.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

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	-	-	-72.31	4.50	-67.81	-54.8
2133.00	H	130	223	-66.72	5.34	-61.38	-48.4
2844.00	H	-	-	-70.33	7.06	-63.27	-50.3
3555.00	H	-	-	-71.02	7.98	-63.04	-50.0
4266.00	H	-	-	-71.70	9.23	-62.48	-49.5

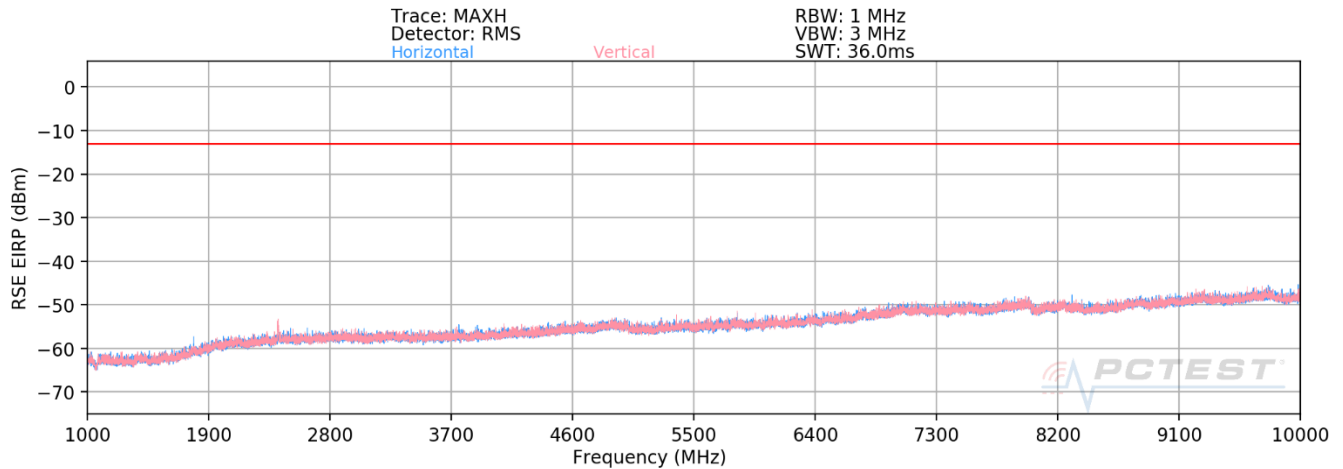
Table 7-85. Radiated Spurious Data (Band 12/17 – High Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 320 of 423

Band 13



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



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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 321 of 423

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	H	-	-	-69.60	5.80	-63.80	-50.8
3118.00	H	-	-	-69.72	6.21	-63.51	-50.5

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	H	-	-	-70.27	6.22	-64.05	-51.0
3128.00	H	-	-	-70.82	7.50	-63.32	-50.3

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

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	-	-	-70.10	6.22	-63.88	-50.9
3138.00	H	-	-	-70.94	7.54	-63.40	-50.4

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager	
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device				Page 322 of 423	

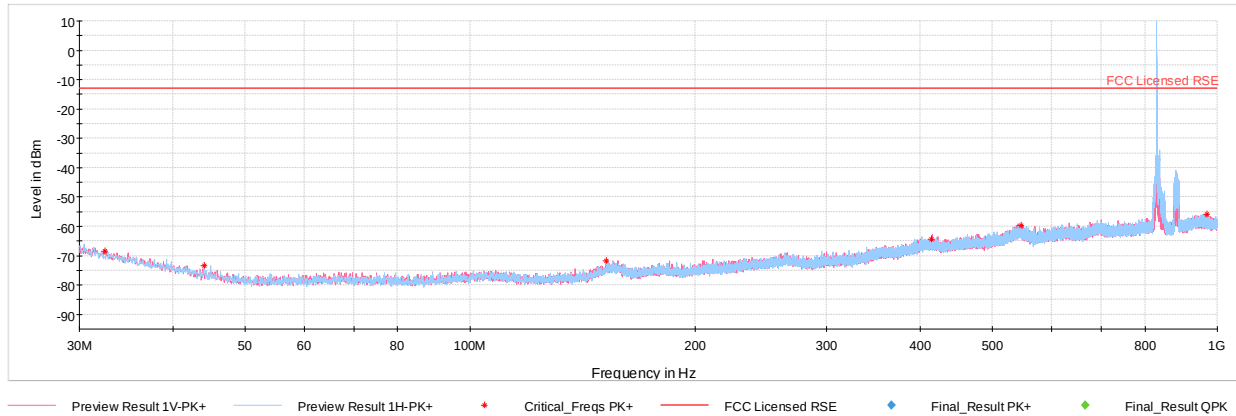
MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.00 MHz
 DISTANCE: 3 meters
 NARROWBAND EMISSION LIMIT: -50 dBm
 WIDEBAND EMISSION LIMIT: -40 dBm/MHz

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	-	-	-73.53	5.80	-67.73	-27.7
1564.00	H	-	-	-73.66	5.82	-67.84	-27.8
1569.00	H	-	-	-73.75	5.82	-67.93	-27.9

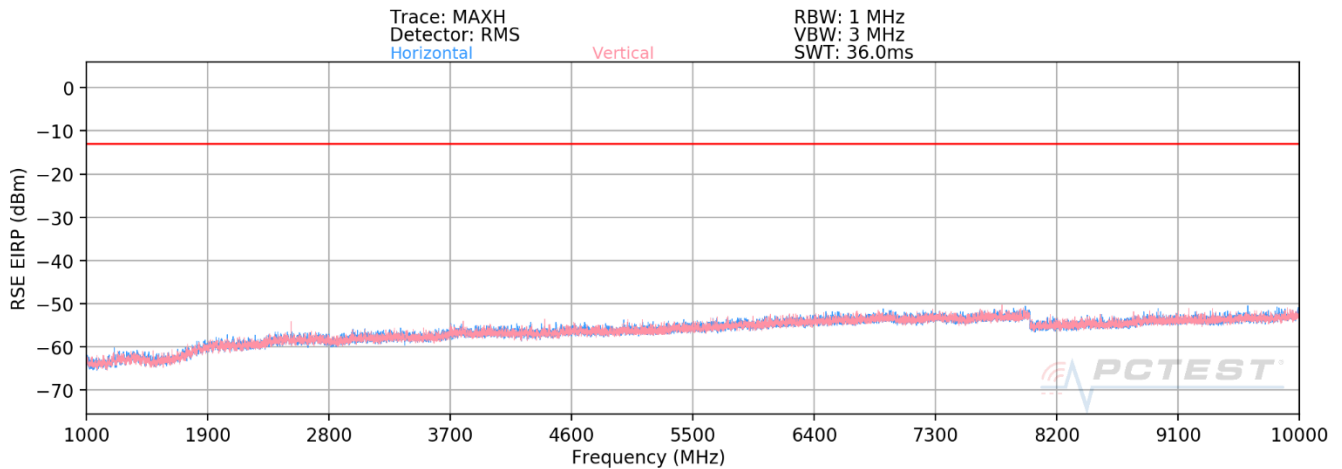
Table 7-89. Radiated Spurious Data (Band 13 – 1559-1610MHz Band)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 323 of 423

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)

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	-	-	-73.62	5.50	-68.12	-55.1
2487.00	V	-	-	-69.55	5.92	-63.63	-50.6
3316.00	V	-	-	-70.85	7.87	-62.98	-50.0

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device				Page 324 of 423

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	-	-	-73.59	5.60	-67.99	-55.0
2509.50	V	147	334	-66.28	5.90	-60.38	-47.4
3346.00	V	-	-	-71.16	7.95	-63.21	-50.2
4182.50	V	-	-	-71.69	9.13	-62.56	-49.6
5019.00	V	-	-	-71.41	10.00	-61.41	-48.4

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

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

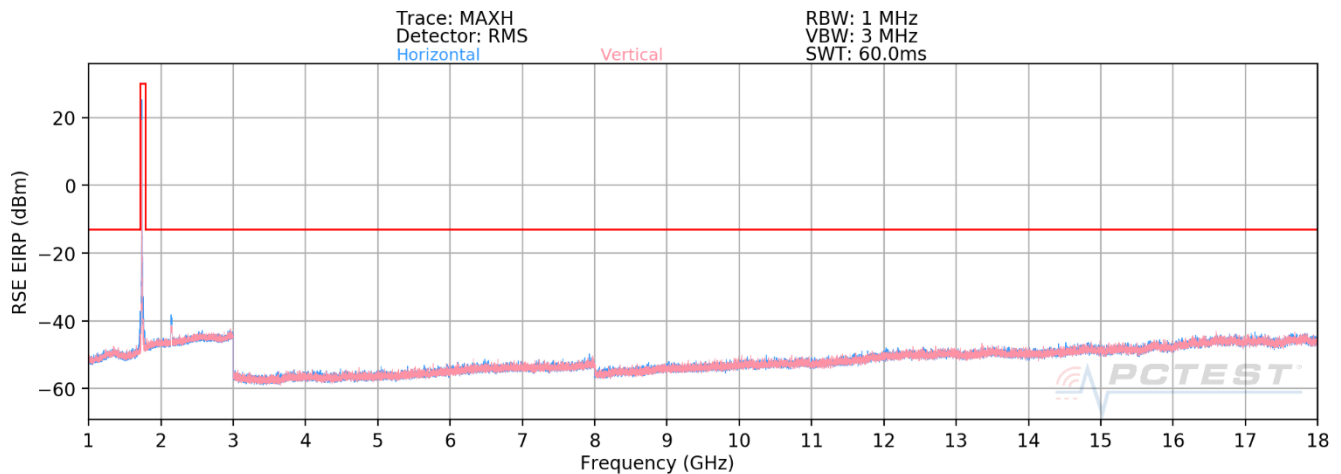
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	V	-	-	-73.44	5.65	-67.79	-54.8
2532.00	V	151	335	-67.25	5.93	-61.33	-48.3
3376.00	V	-	-	-71.30	8.04	-63.26	-50.3
4220.00	V	-	-	-71.69	9.19	-62.50	-49.5
5064.00	V	-	-	-71.99	10.06	-61.93	-48.9

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 325 of 423

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	H	274	17	-69.59	8.12	-61.47	-48.5
5160.00	H	-	-	-71.43	10.14	-61.29	-48.3
6880.00	H	-	-	-70.96	11.38	-59.58	-46.6

Table 7-93. Radiated Spurious Data (Band 66/4 – Low Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 326 of 423

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	249	308	-70.52	8.09	-62.43	-49.4
5235.00	H	-	-	-71.70	10.26	-61.44	-48.4
6980.00	H	-	-	-70.74	11.47	-59.28	-46.3
8725.00	H	-	-	-73.37	13.18	-60.20	-47.2

Table 7-94. Radiated Spurious Data (Band 66/4 – Mid Channel)

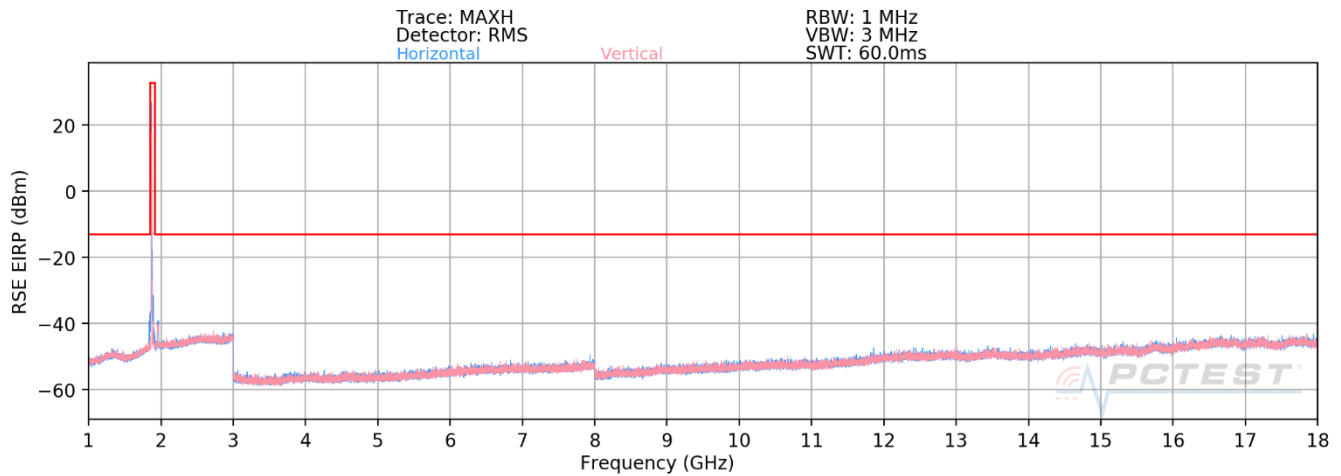
OPERATING FREQUENCY: 1770.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

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	H	-	-	-70.17	7.99	-62.18	-49.2
5310.00	H	-	-	-71.76	10.28	-61.48	-48.5
7080.00	H	-	-	-71.28	11.58	-59.71	-46.7

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 327 of 423

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	H	-	-	-70.82	8.43	-62.39	-49.4
5580.00	H	-	-	-71.65	10.72	-60.93	-47.9
7440.00	H	-	-	-71.03	11.90	-59.13	-46.1

Table 7-96. Radiated Spurious Data (Band 25/2 – Low Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 328 of 423

OPERATING FREQUENCY: 1882.50 MHz
 MODULATION SIGNAL:
 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	-	-	-70.30	8.48	-61.82	-48.8
5647.50	H	-	-	-71.22	10.69	-60.53	-47.5
7530.00	H	-	-	-71.37	11.99	-59.39	-46.4

Table 7-97. Radiated Spurious Data (Band 25/2 – Mid Channel)

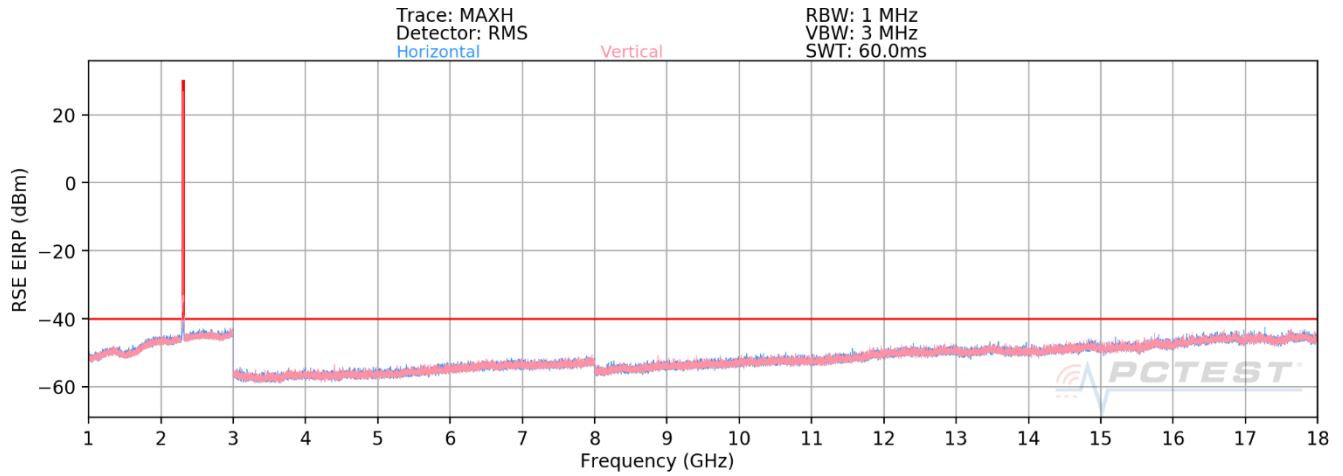
OPERATING FREQUENCY: 1905.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

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	-	-	-70.06	8.59	-61.46	-48.5
5715.00	H	157	264	-71.11	10.66	-60.45	-47.4
7620.00	H	-	-	-71.61	12.16	-59.45	-46.5
9525.00	H	-	-	-72.17	13.23	-58.95	-45.9
11430.00	H	-	-	-70.10	13.28	-56.82	-43.8

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

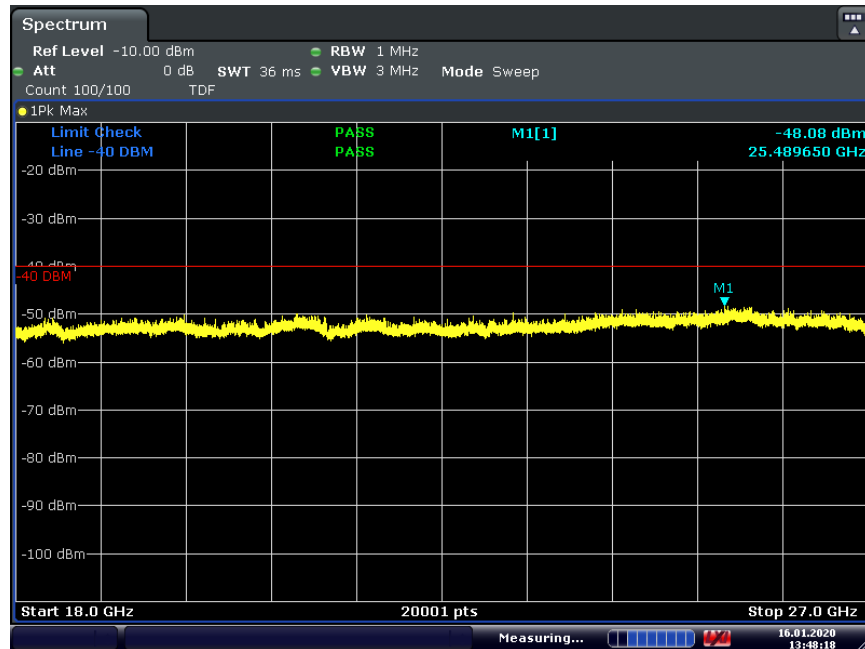
FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 329 of 423

Band 30

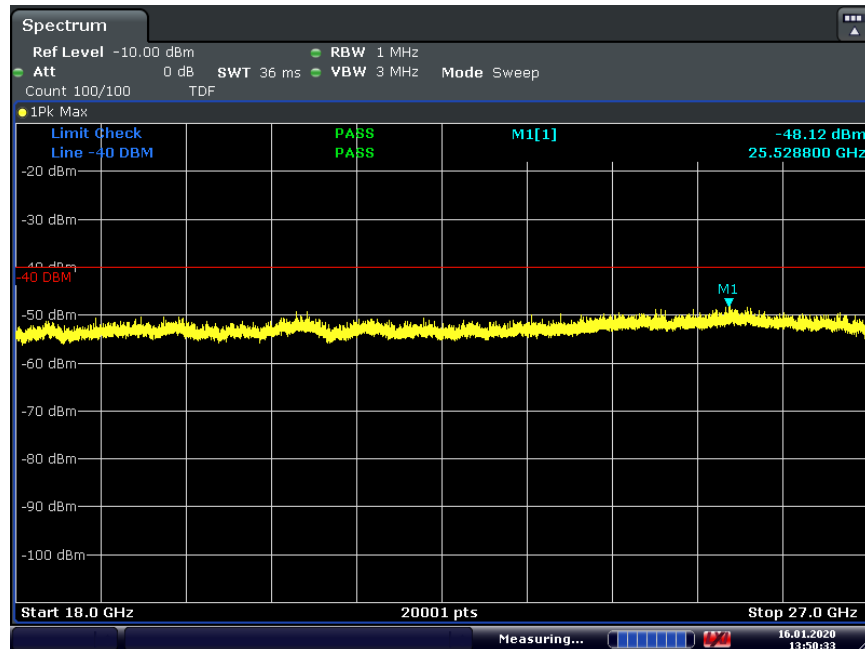


Plot 7-458. Radiated Spurious Plot 1GHz - 18GHz (Band 30)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 330 of 423



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



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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 331 of 423

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	-	-	-70.55	9.49	-61.06	-21.1
6922.50	H	-	-	-70.60	11.40	-59.20	-19.2
9230.00	H	-	-	-72.30	13.29	-59.01	-19.0

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

OPERATING FREQUENCY: 2310.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 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	385	166	-70.90	9.51	-61.38	-21.4
6930.00	H	-	-	-70.76	11.41	-59.35	-19.3
9240.00	H	-	-	-72.17	13.30	-58.87	-18.9
11550.00	H	-	-	-70.34	13.25	-57.09	-17.1

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 332 of 423



OPERATING FREQUENCY: 2312.50 MHz

MODULATION SIGNAL: QPSK

BANDWIDTH: 5.0 MHz

DISTANCE: 3 meters

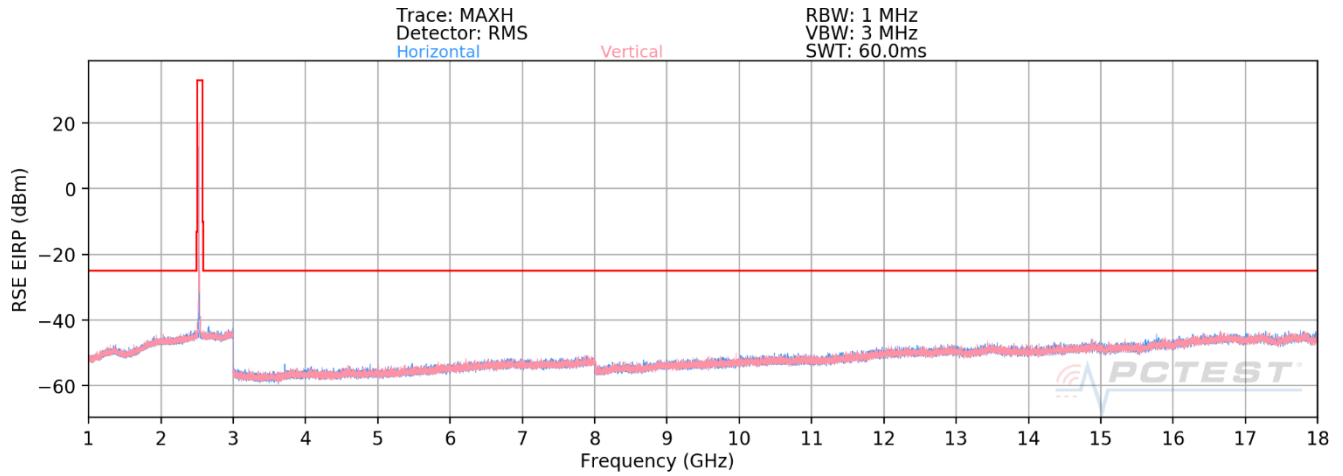
LIMIT: -40 dBm

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	-	-	-70.71	9.54	-61.17	-21.2
6937.50	H	-	-	-70.86	11.41	-59.44	-19.4
9250.00	H	-	-	-71.95	13.31	-58.64	-18.6

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

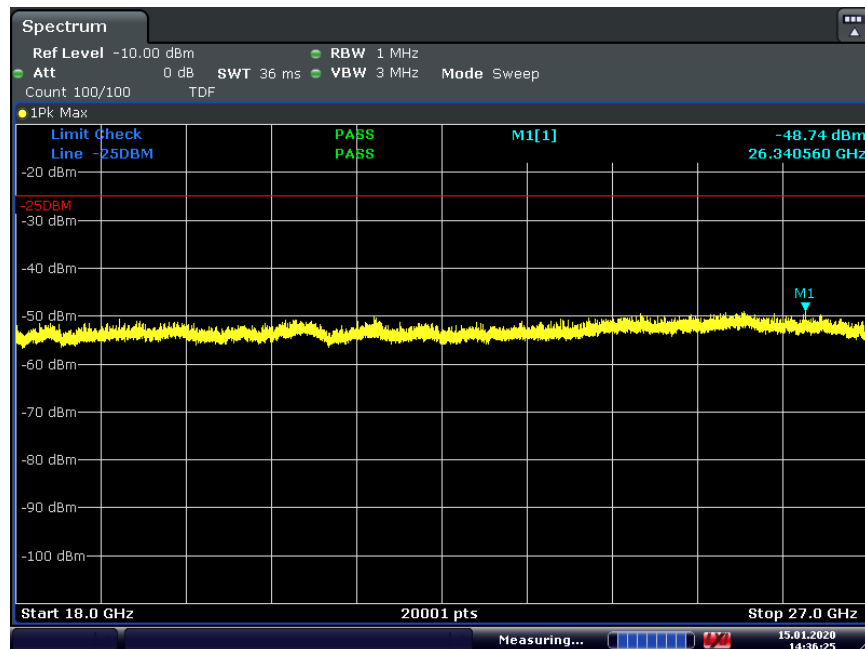
FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 333 of 423

Band 7

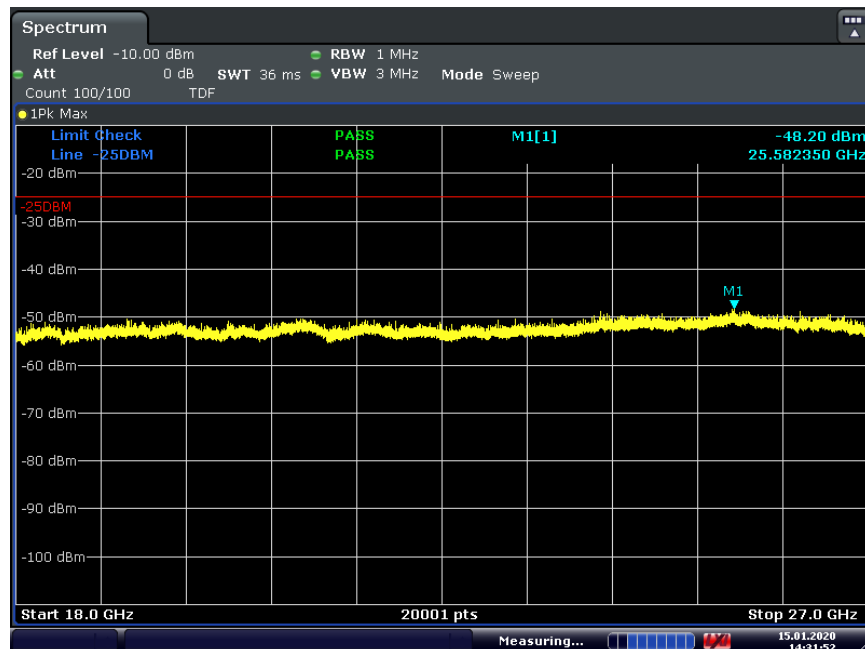


Plot 7-461. Radiated Spurious Plot 1GHz - 18GHz (Band 7)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 334 of 423



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



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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 335 of 423

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	-	-	-71.20	10.00	-61.20	-36.2
7530.00	H	193	320	-69.17	11.99	-57.19	-32.2
10040.00	H	-	-	-71.40	13.11	-58.28	-33.3
12550.00	H	-	-	-68.02	13.13	-54.89	-29.9
15060.00	H	-	-	-67.91	14.05	-53.86	-28.9

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	H	-	-	-71.45	10.07	-61.38	-36.4
7605.00	H	170	248	-69.71	12.15	-57.56	-32.6
10140.00	H	-	-	-70.58	13.10	-57.48	-32.5
12675.00	H	-	-	-67.91	13.15	-54.76	-29.8
15210.00	H	-	-	-67.08	14.00	-53.08	-28.1

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 336 of 423

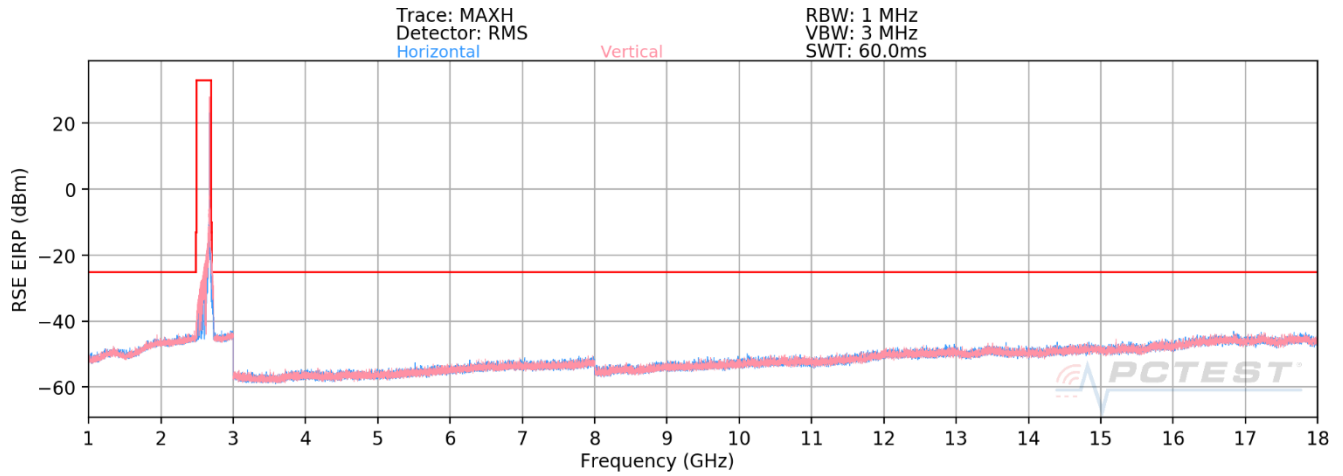
OPERATING FREQUENCY: 2560.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

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	-	-	-71.59	10.10	-61.49	-36.5
7680.00	H	113	11	-70.82	12.15	-58.67	-33.7
10240.00	H	-	-	-70.90	13.10	-57.79	-32.8
12800.00	H	-	-	-68.65	13.17	-55.48	-30.5
15360.00	H	-	-	-67.83	14.01	-53.82	-28.8

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

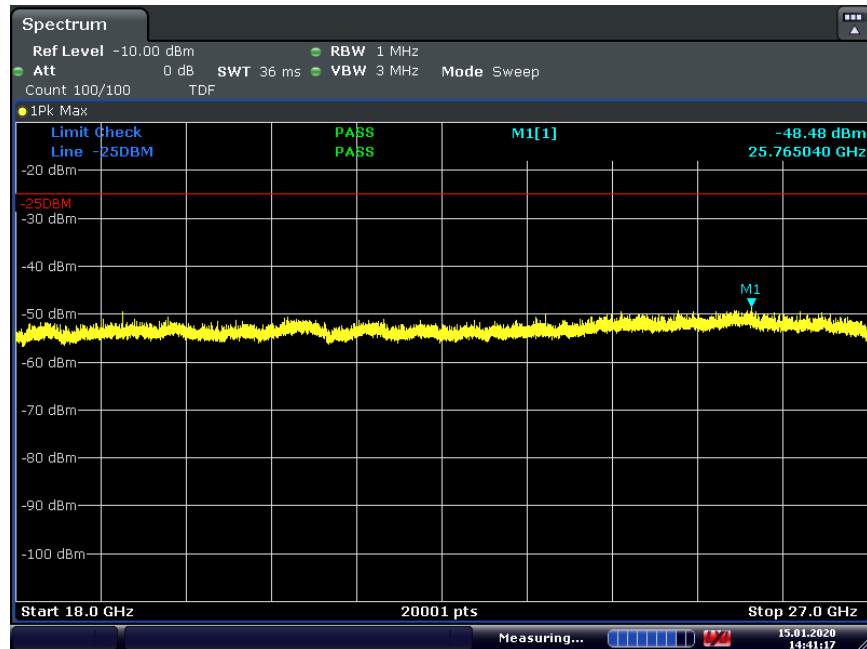
FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 337 of 423

Band 41

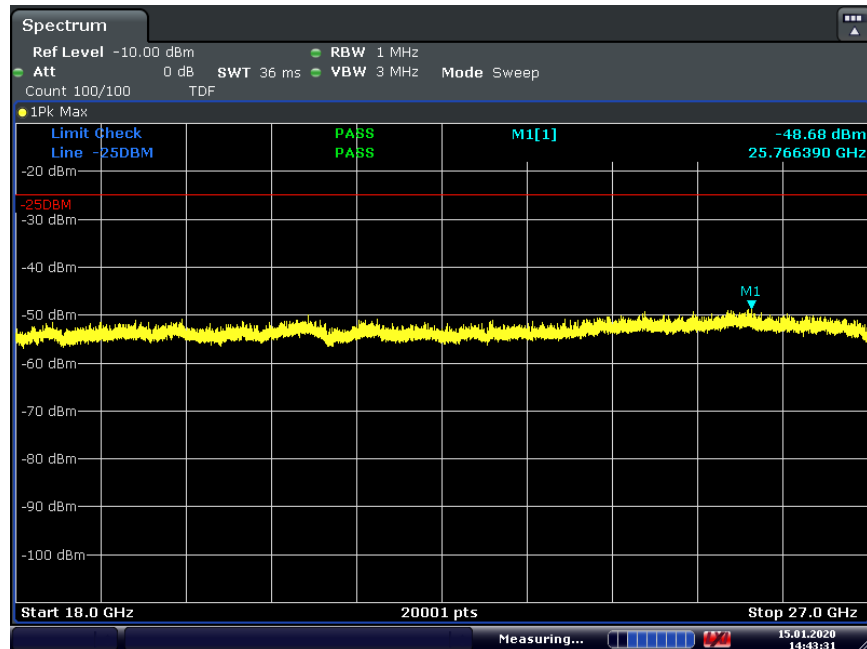


Plot 7-464. Radiated Spurious Plot 1GHz - 18GHz (Band 41)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 338 of 423



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



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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 339 of 423

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	-	-	-62.38	9.99	-52.39	-27.4
7518.00	H	-	-	-62.07	11.99	-50.09	-25.1
10024.00	H	-	-	-62.77	13.11	-49.66	-24.7

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	H	-	-	-61.92	10.20	-51.72	-26.7
7779.00	H	-	-	-59.74	12.20	-47.54	-22.5
10372.00	H	-	-	-56.63	13.07	-43.56	-18.6

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 340 of 423



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	-	-	-62.59	10.37	-52.22	-27.2
8040.00	H	-	-	-63.60	12.53	-51.06	-26.1
10720.00	H	-	-	-60.39	13.07	-47.32	-22.3

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 341 of 423

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

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	219	166	-70.23	3.46	-66.76	-53.8
2019.00	V	113	100	-63.75	4.27	-59.48	-46.5
2692.00	V	-	-	-70.33	6.52	-63.80	-50.8
3365.00	V	-	-	-71.43	8.00	-63.43	-50.4
4038.00	V	-	-	-71.08	9.10	-61.98	-49.0

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	150	149	-67.32	3.40	-63.92	-50.9
2041.50	V	197	99	-64.27	4.53	-59.74	-46.7
2722.00	V	-	-	-70.21	6.61	-63.60	-50.6
3402.50	V	-	-	-71.62	8.11	-63.51	-50.5
4083.00	V	-	-	-70.79	8.98	-61.81	-48.8

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 342 of 423

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	184	94	-69.22	3.71	-65.51	-52.5
2064.00	V	187	102	-63.53	4.58	-58.95	-46.0
2752.00	V	-	-	-70.28	6.67	-63.60	-50.6
3440.00	V	-	-	-71.38	8.12	-63.26	-50.3
4128.00	V	-	-	-71.22	8.98	-62.23	-49.2

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 343 of 423

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	V	-	-	-70.11	4.35	-65.76	-52.8
2112.00	V	-	-	-66.90	5.05	-61.84	-48.8
2816.00	V	-	-	-67.40	6.90	-60.50	-47.5

Table 7-111. Radiated Spurious Data (Band 12/17 – 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	V	-	-	-70.30	4.42	-65.87	-52.9
2122.50	V	-	-	-66.95	5.22	-61.73	-48.7
2830.00	V	-	-	-67.75	7.01	-60.75	-47.7

Table 7-112. Radiated Spurious Data (Band 12/17 – Mid Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 344 of 423



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	-	-	-70.42	4.50	-65.92	-52.9
2133.00	V	-	-	-67.69	5.34	-62.35	-49.3
2844.00	V	-	-	-67.85	7.06	-60.79	-47.8

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 345 of 423

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	-	-	-67.73	6.21	-61.52	-48.5
3118.00	V	-	-	-68.32	7.46	-60.87	-47.9

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	-	-	-67.95	6.22	-61.73	-48.7
3128.00	V	-	-	-68.15	7.50	-60.65	-47.6

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 346 of 423

OPERATING FREQUENCY: 784.00 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]
2352.50	V	-	-	-68.00	6.22	-61.78	-48.8
3138.00	V	-	-	-68.19	7.54	-60.65	-47.6

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	V	-	-	-73.49	5.80	-67.69	-27.7
1564.00	V	-	-	-73.60	5.82	-67.78	-27.8
1568.00	V	-	-	-73.74	5.82	-67.92	-27.9

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 347 of 423

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	V	-	-	-73.53	5.50	-68.03	-55.0
2487.00	V	-	-	-69.09	5.92	-63.17	-50.2
3316.00	V	-	-	-70.54	7.87	-62.67	-49.7

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	V	-	-	-76.34	5.60	-70.74	-57.7
2509.50	V	-	-	-72.15	5.90	-66.25	-53.2
3346.00	V	-	-	-70.41	7.95	-62.46	-49.5

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 348 of 423



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	-	-	-73.21	5.65	-67.56	-54.6
2532.00	V	-	-	-69.62	5.93	-63.70	-50.7
3376.00	V	-	-	-70.85	8.04	-62.81	-49.8

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 349 of 423

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	-	-	-70.16	8.12	-62.04	-49.0
5160.00	H	384	3	-68.09	10.14	-57.95	-45.0
6880.00	H	-	-	-70.85	11.38	-59.47	-46.5
8600.00	H	-	-	-73.54	13.02	-60.52	-47.5
10320.00	H	-	-	-70.80	13.10	-57.70	-44.7

Table 7-121. 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	-	-	-70.46	8.09	-62.37	-49.4
5235.00	H	211	101	-64.72	10.26	-54.46	-41.5
6980.00	H	-	-	-70.88	11.47	-59.42	-46.4
8725.00	H	-	-	-73.18	13.18	-60.01	-47.0
10470.00	H	-	-	-70.67	13.07	-57.60	-44.6

Table 7-122. Radiated Spurious Data (Band 66/4 – Mid Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 350 of 423



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	-	-	-70.25	7.99	-62.26	-49.3
5310.00	H	-	-	-71.33	10.28	-61.05	-48.1
7080.00	H	-	-	-71.26	11.58	-59.69	-46.7

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 351 of 423

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	-	-	-70.56	8.43	-62.13	-49.1
5580.00	H	176	227	-67.72	10.72	-57.00	-44.0
7440.00	H	-	-	-70.59	11.90	-58.69	-45.7
9300.00	H	-	-	-72.14	13.27	-58.86	-45.9
11160.00	H	-	-	-70.55	13.20	-57.34	-44.3

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	193	250	-70.06	8.48	-61.58	-48.6
5647.50	H	247	250	-70.98	10.69	-60.29	-47.3
7530.00	H	-	-	-71.38	11.99	-59.40	-46.4
9412.50	H	-	-	-72.04	13.36	-58.68	-45.7
11295.00	H	-	-	-70.80	13.24	-57.57	-44.6

Table 7-125. Radiated Spurious Data (Band 25/2 – Mid Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 352 of 423



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	-	-	-70.24	8.59	-61.64	-48.6
5715.00	H	-	-	-71.30	10.66	-60.64	-47.6
7620.00	H	-	-	-71.55	12.16	-59.39	-46.4

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 353 of 423

Band 30

OPERATING FREQUENCY: 2307.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: QPSK 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	-	-	-70.46	9.49	-60.97	-21.0
6922.50	H	-	-	-70.71	11.40	-59.31	-19.3
9230.00	H	-	-	-72.40	13.29	-59.11	-19.1

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

OPERATING FREQUENCY: 2310.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: QPSK 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	-	-	-71.00	9.51	-61.48	-21.5
6930.00	H	-	-	-70.76	11.41	-59.35	-19.3
9240.00	H	-	-	-72.17	13.30	-58.87	-18.9

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 354 of 423

OPERATING FREQUENCY: 2312.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: QPSK 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	-	-	-70.75	9.54	-61.21	-21.2
6937.50	H	-	-	-70.96	11.41	-59.54	-19.5
9250.00	H	-	-	-72.05	13.31	-58.74	-18.7

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 355 of 423

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	-	-	-62.50	10.00	-52.50	-27.5
7530.00	H	249	37	-60.87	11.99	-48.89	-23.9
10040.00	H	-	-	-62.40	13.11	-49.28	-24.3
12550.00	H	-	-	-59.92	13.13	-46.79	-21.8
15060.00	H	-	-	-58.72	14.05	-44.67	-19.7

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	H	-	-	-61.63	10.07	-51.56	-26.6
7605.00	H	252	196	-59.95	12.15	-47.80	-22.8
10140.00	H	-	-	-61.68	13.10	-48.58	-23.6
12675.00	H	-	-	-59.28	13.15	-46.13	-21.1
15210.00	H	-	-	-58.85	14.00	-44.85	-19.8

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 356 of 423

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	-	-	-62.05	10.10	-51.95	-27.0
7680.00	H	161	6	-61.20	12.15	-49.05	-24.1
10240.00	H	-	-	-62.21	13.10	-49.10	-24.1
12800.00	H	-	-	-59.69	13.17	-46.52	-21.5
15360.00	H	-	-	-58.87	14.01	-44.86	-19.9

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 357 of 423

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	-	-	-64.25	9.99	-54.26	-29.3
7518.00	H	147	41	-59.28	11.99	-47.30	-22.3
10024.00	H	-	-	-61.18	13.11	-48.07	-23.1
12530.00	H	-	-	-57.70	13.15	-44.56	-19.6
15036.00	H	-	-	-56.36	14.06	-42.30	-17.3

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	314	274	-62.53	10.20	-52.33	-27.3
7779.00	H	253	37	-58.84	12.20	-46.64	-21.6
10372.00	H	-	-	-59.92	13.07	-46.85	-21.8
12965.00	H	-	-	-57.61	13.25	-44.36	-19.4
15558.00	H	-	-	-57.24	14.01	-43.23	-18.2

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

FCC ID: BCGA2069			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 358 of 423



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	-	-	-63.31	10.37	-52.94	-27.9
8040.00	H	-	-	-63.54	12.53	-51.00	-26.0
10720.00	H	-	-	-59.73	13.07	-46.66	-21.7

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 359 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	-	-	-70.58	8.12	-62.46	-49.5
5160.00	H	-	-	-71.72	10.14	-61.58	-48.6
6880.00	H	-	-	-70.11	11.38	-58.73	-45.7

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	-	-	-70.17	8.09	-62.09	-49.1
5235.00	H	-	-	-71.73	10.26	-61.47	-48.5
6980.00	H	-	-	-70.09	11.47	-58.62	-45.6

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 360 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	-	-	-70.46	7.99	-62.47	-49.5
5310.00	H	-	-	-72.24	10.28	-61.96	-49.0
7080.00	H	-	-	-70.35	11.58	-58.78	-45.8

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 361 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	-	-	-70.62	8.43	-62.19	-49.2
5580.00	H	-	-	-71.55	10.72	-60.83	-47.8
7440.00	H	-	-	-69.50	11.90	-57.60	-44.6

Table 7-139. 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-71.32	8.48	-62.84	-49.8
5647.50	H	-	-	-71.37	10.69	-60.69	-47.7
7530.00	H	-	-	-69.26	11.99	-57.28	-44.3

Table 7-140. Radiated Spurious Data (Band 25/2 – Mid Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 362 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-71.20	8.59	-62.61	-49.6
5715.00	H	-	-	-71.76	10.66	-61.09	-48.1
7620.00	H	-	-	-69.72	12.16	-57.56	-44.6

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 363 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	V	-	-	-70.97	9.49	-61.48	-21.5
6922.50	V	-	-	-70.29	11.40	-58.89	-18.9
9230.00	V	-	-	-69.41	13.29	-56.12	-16.1

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	V	-	-	-71.10	9.51	-61.59	-21.6
6930.00	V	-	-	-70.05	11.41	-58.64	-18.6
9240.00	V	-	-	-69.29	13.30	-56.00	-16.0

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 364 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	V	-	-	-71.18	9.54	-61.64	-21.6
6937.50	V	-	-	-70.14	11.41	-58.72	-18.7
9250.00	V	-	-	-69.40	13.31	-56.09	-16.1

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 365 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	-	-	-71.11	10.00	-61.11	-36.1
7530.00	V	-	-	-69.33	11.99	-57.35	-32.3
10040.00	V	-	-	-68.08	13.11	-54.97	-30.0

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	-	-	-70.77	10.07	-60.70	-35.7
7605.00	V	-	-	-69.33	12.15	-57.18	-32.2
10140.00	V	-	-	-68.17	13.10	-55.08	-30.1

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 366 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-70.65	10.10	-60.55	-35.5
7680.00	V	-	-	-70.02	12.15	-57.87	-32.9
10240.00	V	-	-	-67.86	13.10	-54.76	-29.8

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 367 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	-	-	-57.71	9.99	-47.72	-22.7
7518.00	V	-	-	-55.95	11.99	-43.96	-19.0
10024.00	V	-	-	-55.63	13.11	-42.52	-17.5

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	145	237	-57.89	10.20	-47.69	-22.7
7779.00	V	-	-	-56.12	12.20	-43.92	-18.9
10372.00	V	-	-	-56.10	13.07	-43.03	-18.0
12965.00	V	-	-	-53.27	13.25	-40.02	-15.0

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 368 of 423



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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-58.84	10.37	-48.47	-23.5
8040.00	V	-	-	-57.01	12.53	-44.48	-19.5
10720.00	V	-	-	-56.20	13.07	-43.13	-18.1

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 369 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	-	-	-70.74	8.12	-62.62	-49.6
5160.00	H	-	-	-71.41	10.14	-61.27	-48.3
6880.00	H	-	-	-69.52	11.38	-58.14	-45.1

Table 7-151. 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	-	-	-70.72	8.09	-62.64	-49.6
5235.00	H	-	-	-71.41	10.26	-61.15	-48.2
6980.00	H	-	-	-69.86	11.47	-58.39	-45.4

Table 7-152. Radiated Spurious Data (Band 66/4 – Mid Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 370 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	-	-	-70.46	7.99	-62.47	-49.5
5310.00	H	-	-	-71.37	10.28	-61.09	-48.1
7080.00	H	-	-	-69.77	11.58	-58.20	-45.2

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 371 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	-	-	-70.55	8.43	-62.12	-49.1
5580.00	H	-	-	-71.58	10.72	-60.86	-47.9
7440.00	H	-	-	-69.34	11.90	-57.44	-44.4

Table 7-154. 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-70.93	8.48	-62.45	-49.5
5647.50	H	-	-	-71.33	10.69	-60.65	-47.6
7530.00	H	-	-	-69.42	11.99	-57.44	-44.4

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 372 of 423



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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-71.25	8.59	-62.66	-49.7
5715.00	H	-	-	-71.53	10.66	-60.86	-47.9
7620.00	H	-	-	-69.31	12.16	-57.15	-44.2

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 373 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	H	-	-	-70.42	9.49	-60.93	-20.9
6922.50	H	-	-	-69.88	11.40	-58.48	-18.5
9230.00	H	-	-	-69.10	13.29	-55.81	-15.8

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	H	-	-	-70.79	9.51	-61.28	-21.3
6930.00	H	-	-	-70.05	11.41	-58.64	-18.6
9240.00	H	-	-	-69.00	13.30	-55.71	-15.7

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 374 of 423



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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	H	-	-	-70.75	9.54	-61.21	-21.2
6937.50	H	-	-	-69.99	11.41	-58.57	-18.6
9250.00	H	-	-	-68.91	13.31	-55.60	-15.6

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 375 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-71.11	10.00	-61.11	-36.1
7530.00	H	-	-	-69.49	11.99	-57.51	-32.5
10040.00	H	-	-	-67.86	13.11	-54.75	-29.7

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-71.11	10.07	-61.04	-36.0
7605.00	H	-	-	-69.35	12.15	-57.20	-32.2
10140.00	H	-	-	-67.43	13.10	-54.34	-29.3

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 376 of 423



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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-71.17	10.10	-61.07	-36.1
7680.00	H	-	-	-69.58	12.15	-57.43	-32.4
10240.00	H	-	-	-67.70	13.10	-54.60	-29.6

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 377 of 423

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	117	304	-54.49	9.99	-44.50	-19.5
7518.00	H	111	80	-54.45	11.99	-42.46	-17.5
10024.00	H	-	-	-55.72	13.11	-42.61	-17.6
12530.00	H	-	-	-53.63	13.15	-40.49	-15.5
15036.00	H	-	-	-51.03	14.06	-36.97	-12.0

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	104	300	-58.04	10.20	-47.84	-22.8
7779.00	H	-	-	-56.27	12.20	-44.07	-19.1
10372.00	H	-	-	-55.57	13.07	-42.50	-17.5
12965.00	H	-	-	-53.84	13.25	-40.59	-15.6

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 378 of 423



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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	H	-	-	-58.70	10.37	-48.33	-23.3
8040.00	V	244	51	-56.23	12.53	-43.70	-18.7
10720.00	V	-	-	-55.41	13.07	-42.34	-17.3
13400.00	V	-	-	-53.34	13.78	-39.56	-14.6
16080.00	V	-	-	-50.72	13.63	-37.09	-12.1

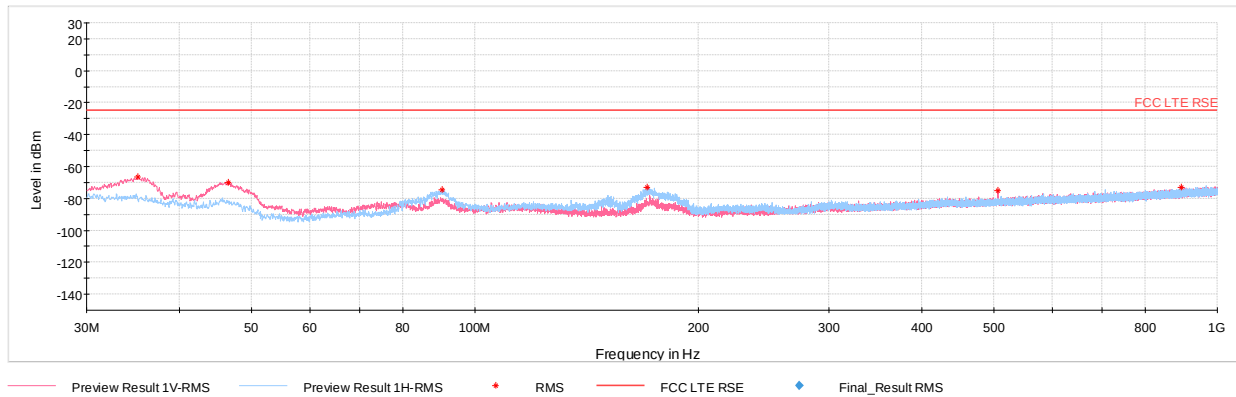
Table 7-165. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 379 of 423

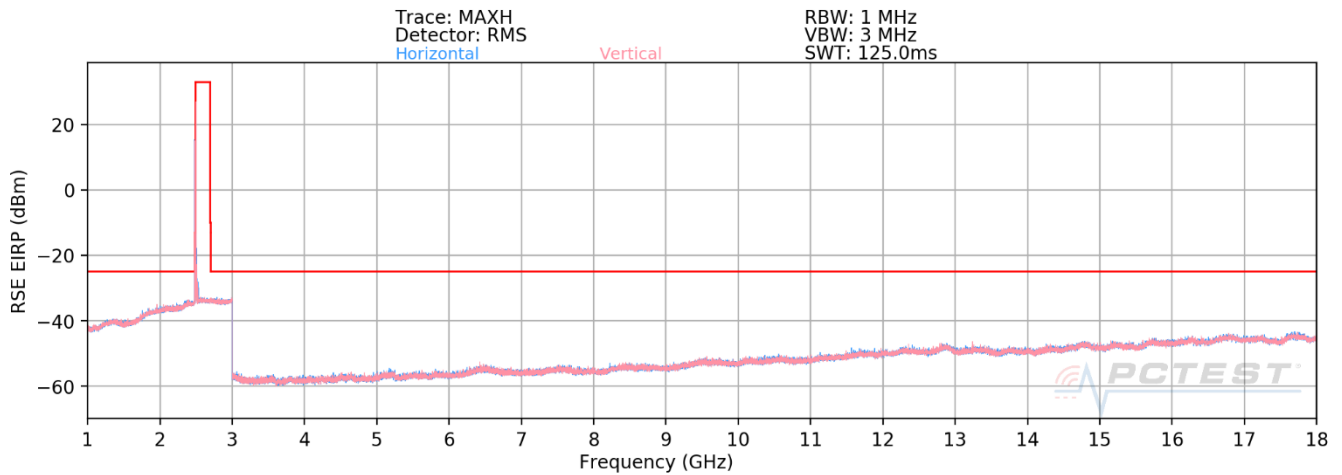
Simultaneous Tx Radiated Spurious Emissions Measurements

Description	Bluetooth	LTE
Antenna	4a	4a
Channel	78	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

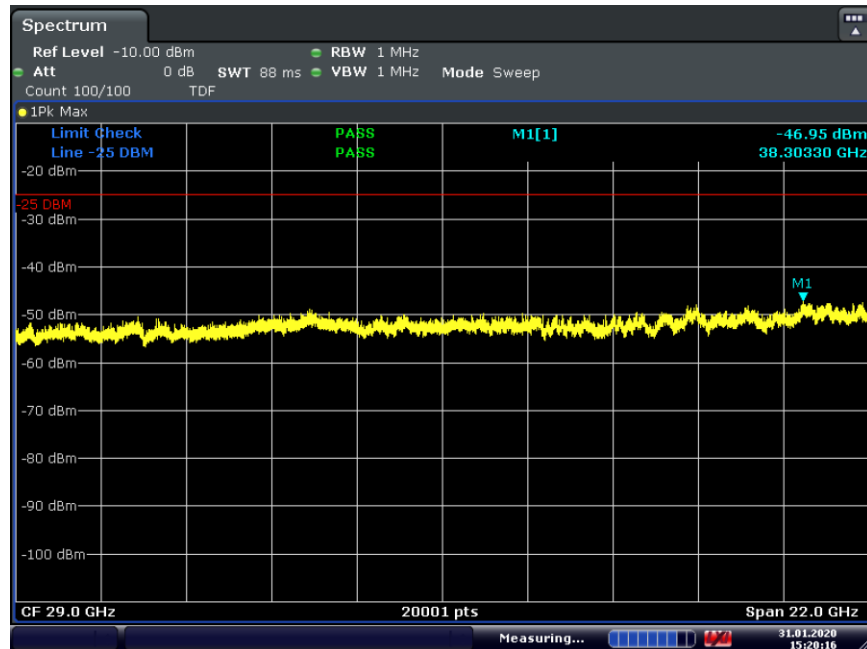


Plot 7-468. Radiated Spurious Plot Above 1GHz

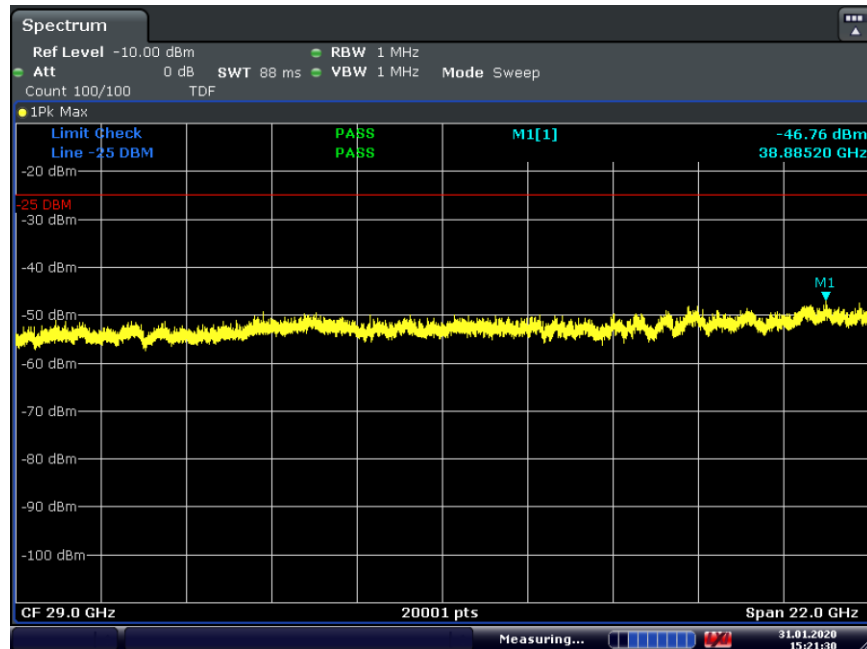
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-61.99	9.99	-52.00	-27.0
7518.00	H	-	-	-62.22	11.99	-50.23	-25.2
10024.00	H	-	-	-61.37	13.11	-48.26	-23.3

Table 7-167. Radiated Spurious Data Above 1GHz

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device		Page 380 of 423



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



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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 381 of 423



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: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 382 of 423

Test Setup

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

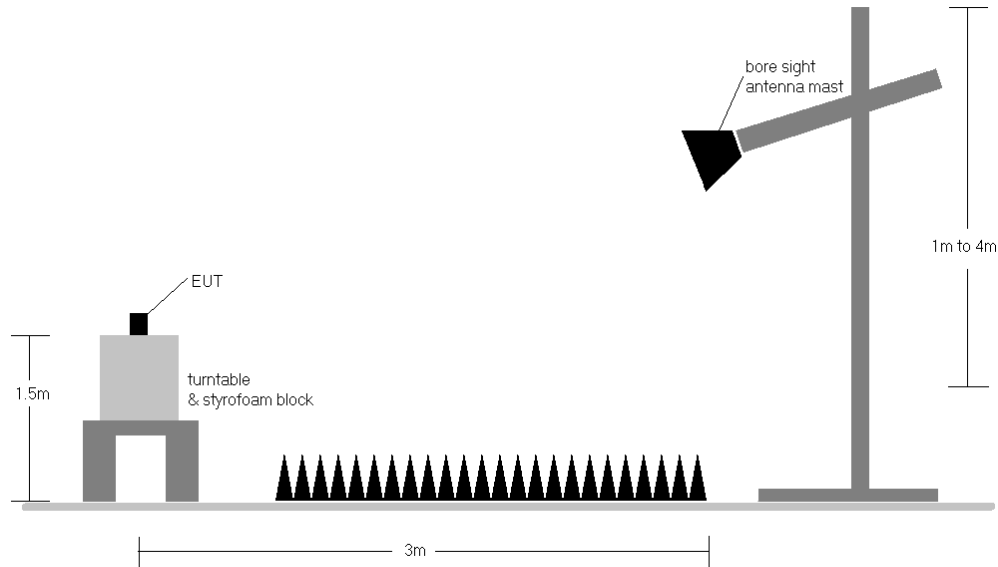


Figure 7-10. Test Instrument & Measurement Setup

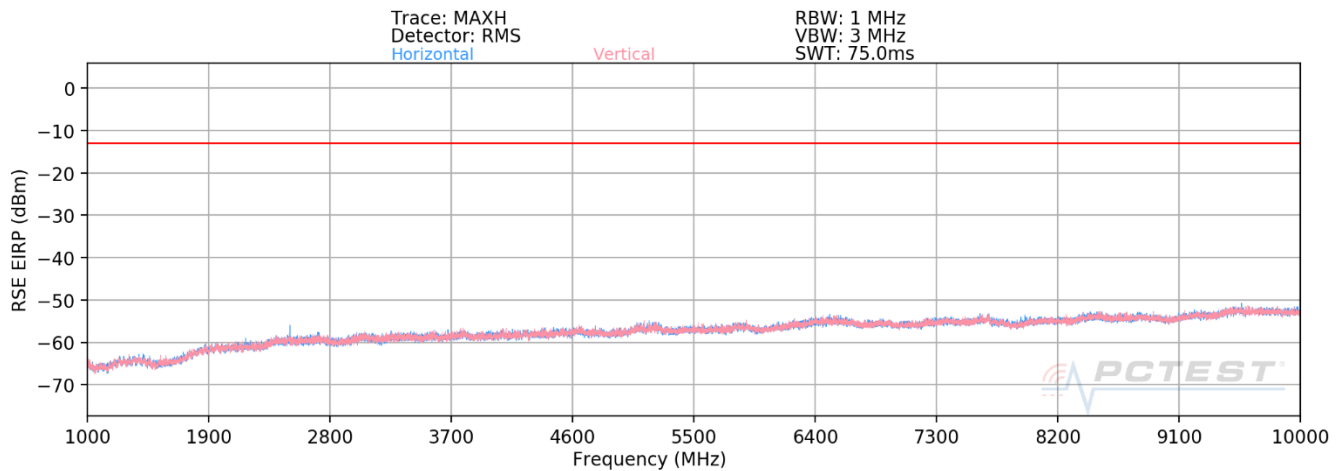
Test Notes

- 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.

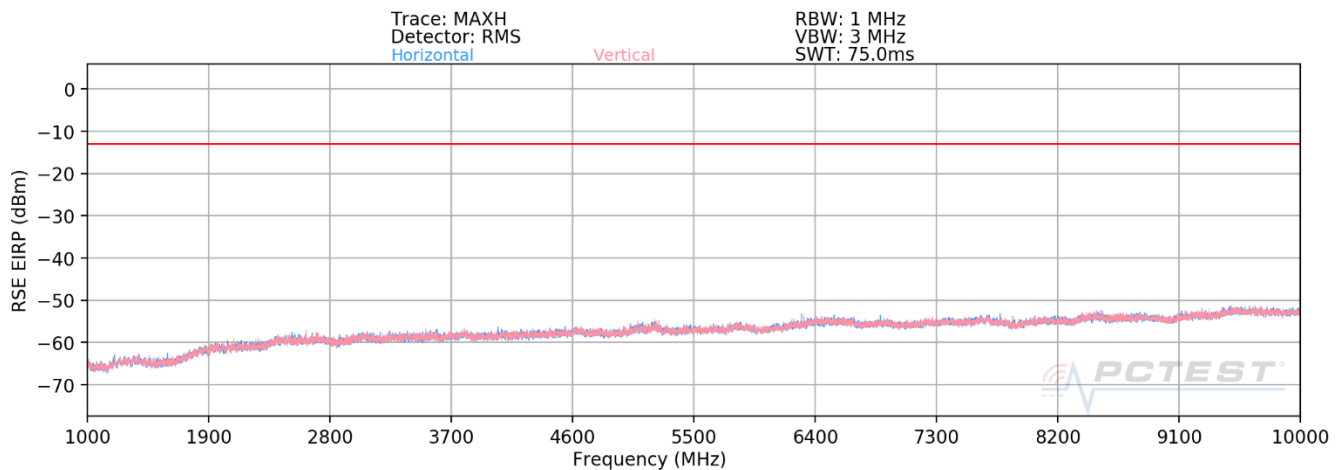
FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 383 of 423

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 4 – High Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 384 of 423

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	-	-	-68.74	5.50	-63.24	-38.2
2487.00	V	220	267	-68.48	5.92	-62.56	-37.6
3316.00	H	-	-	-70.40	7.87	-62.53	-37.5
4145.00	V	-	-	-70.95	9.02	-61.93	-36.9
4974.00	V	-	-	-71.24	10.01	-61.23	-36.2

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

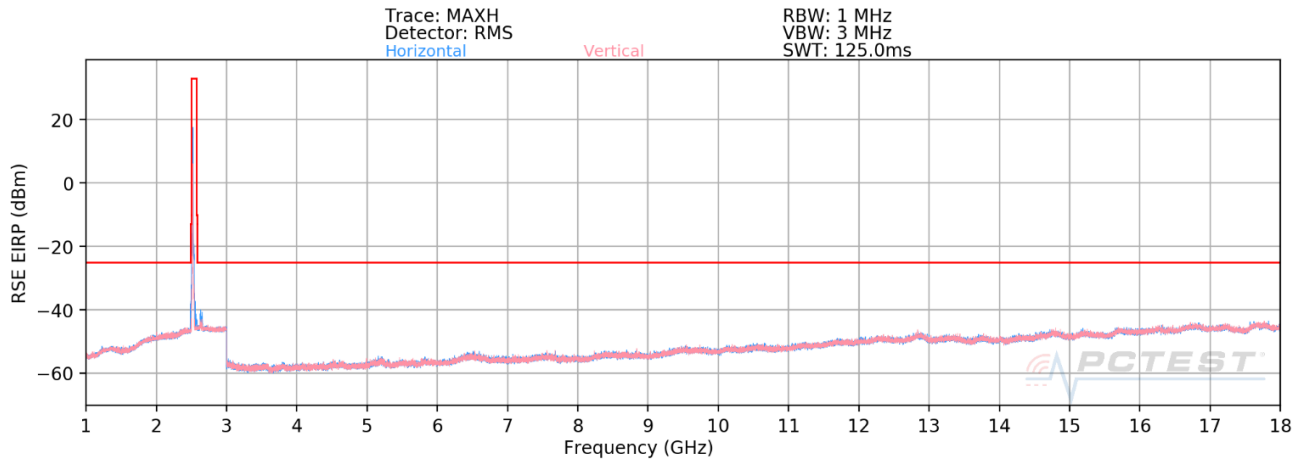
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	H	-	-	-72.55	5.65	-66.90	-41.9
2532.00	H	393	155	-62.37	5.93	-56.45	-31.4
3376.00	H	-	-	-70.21	8.04	-62.17	-37.2
4220.00	H	-	-	-71.00	9.19	-61.81	-36.8
5064.00	H	-	-	-70.49	10.06	-60.43	-35.4

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

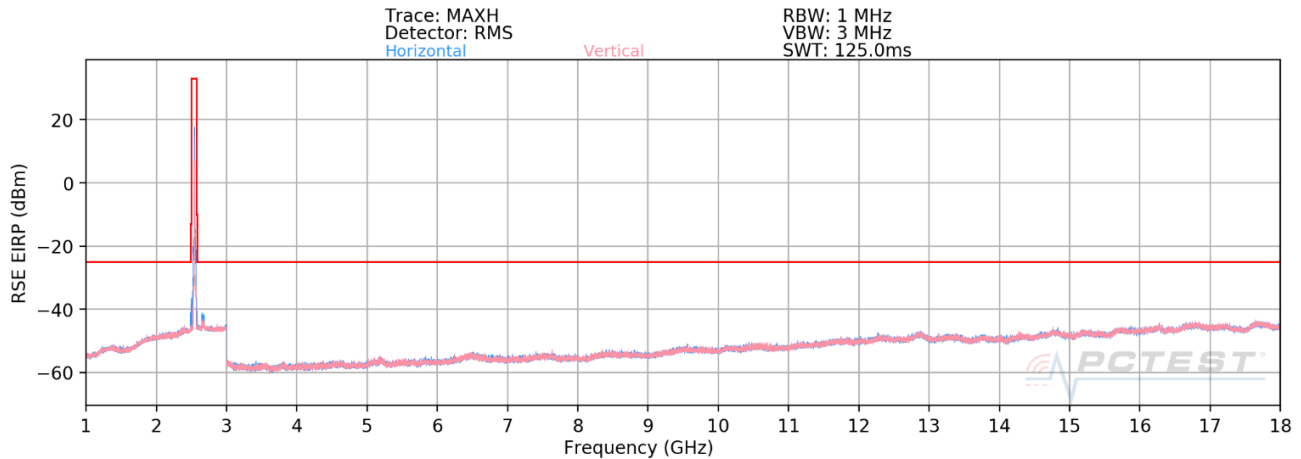
FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 385 of 423

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

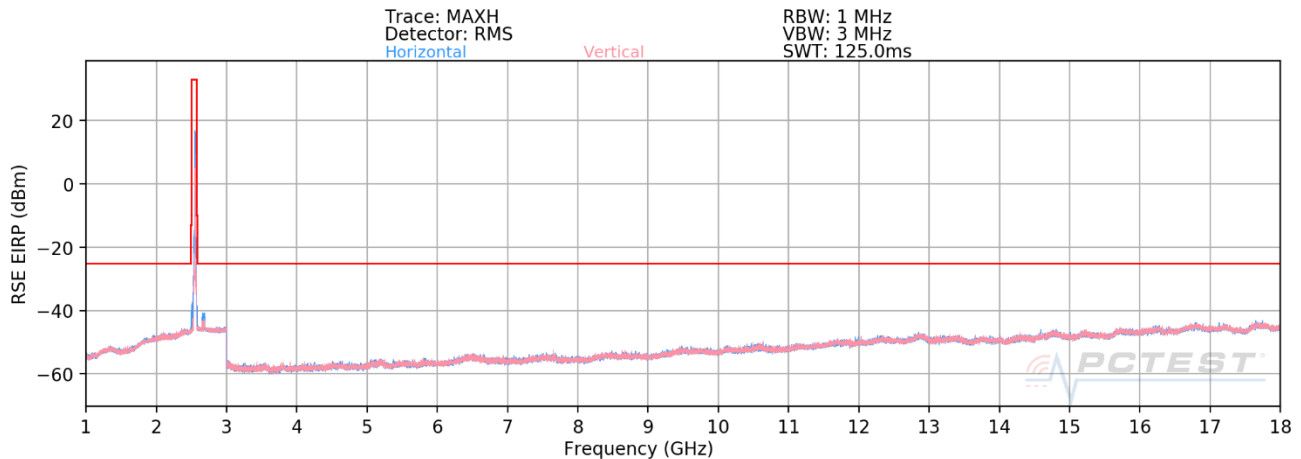
Band 7



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: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 386 of 423

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	-	-	-69.83	10.00	-59.83	-34.8
7530.00	H	-	-	-69.49	11.99	-57.51	-32.5
10040.00	H	-	-	-69.73	13.11	-56.61	-31.6

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	H	-	-	-70.12	10.07	-60.05	-35.1
7605.00	H	-	-	-69.86	12.15	-57.71	-32.7
10140.00	H	-	-	-68.58	13.10	-55.48	-30.5

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

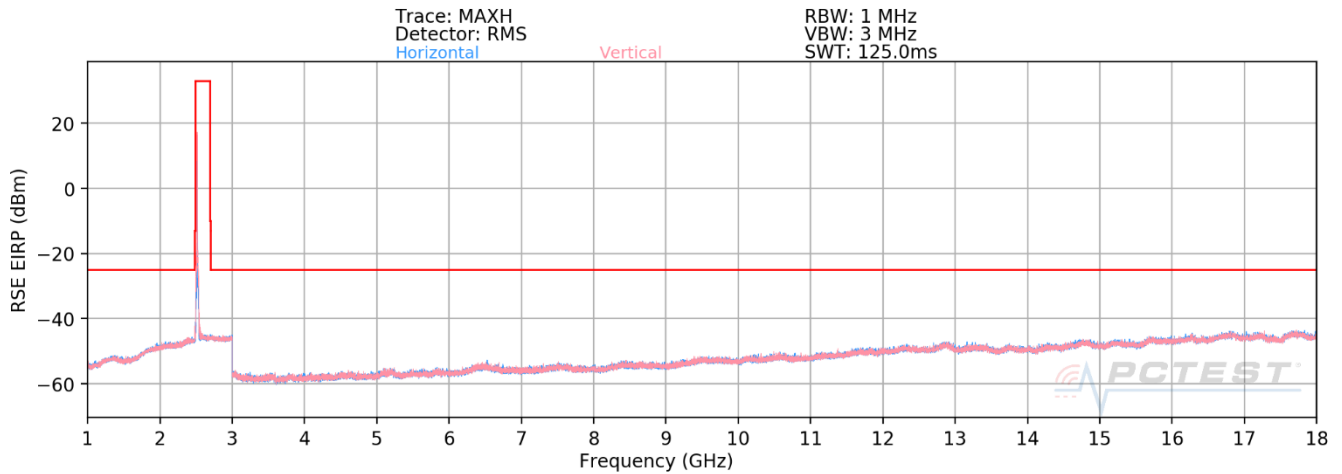
OPERATING FREQUENCY (PCC): 2560.00 MHz
 OPERATING FREQUENCY (SCC): 2540.20 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

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	-	-	-70.24	10.10	-60.14	-35.1
7680.00	H	-	-	-70.05	12.15	-57.90	-32.9
10240.00	H	-	-	-68.78	13.10	-55.67	-30.7

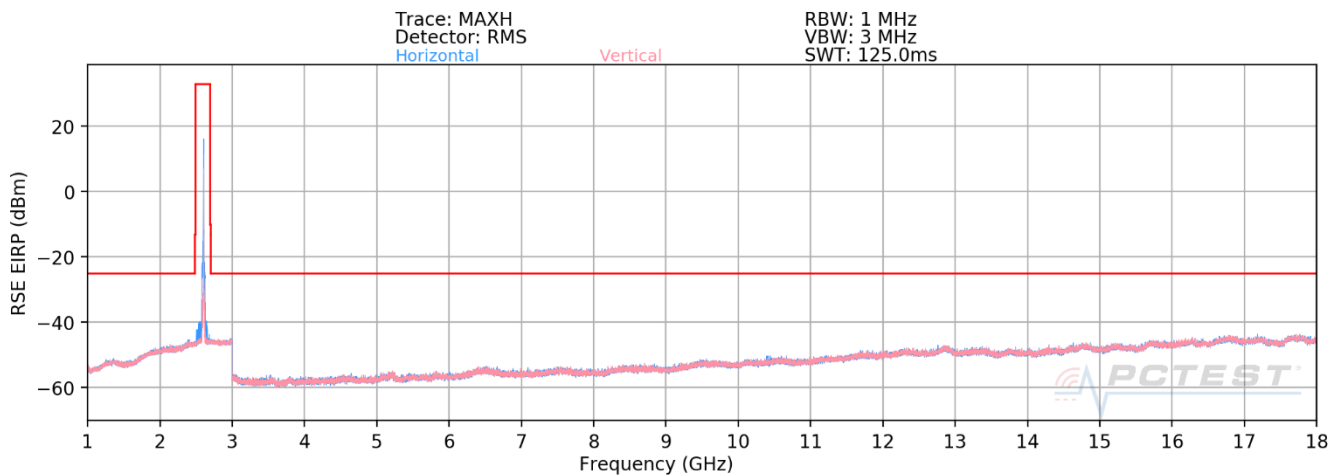
Table 7-172. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager	
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device				Page 387 of 423	

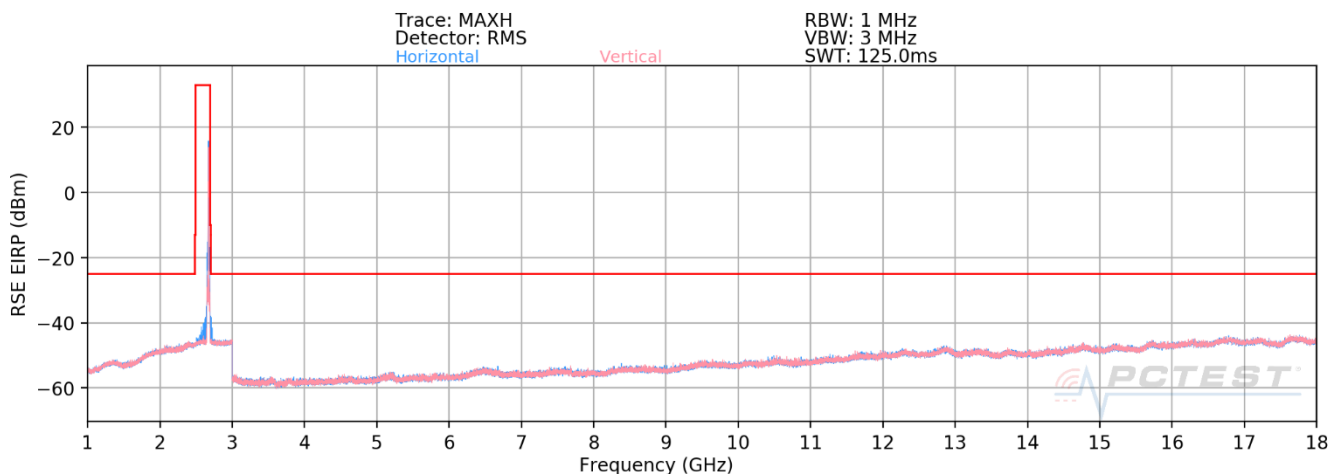
Band 41



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: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 388 of 423

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	-	-	-67.89	9.99	-57.90	-32.9
7518.00	H	166	251	-64.73	11.99	-52.75	-27.7
10024.00	H	-	-	-67.18	13.11	-54.07	-29.1
12530.00	H	-	-	-63.70	13.15	-50.55	-25.6

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	H	-	-	-66.60	10.20	-56.39	-31.4
7779.00	H	-	-	-67.44	12.20	-55.24	-30.2
10372.00	H	-	-	-65.00	13.07	-51.93	-26.9

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170054-03.BCG	Test Dates: 12/10/2019 - 02/24/2020	EUT Type: Tablet Device	Page 389 of 423



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	-	-	-67.65	10.37	-57.27	-32.3
8040.00	H	-	-	-69.13	12.53	-56.59	-31.6
10720.00	H	-	-	-66.11	13.07	-53.04	-28.0

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

FCC ID: BCGA2069		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	V	-	-	-72.84	5.50	-67.34	-42.3
2487.00	V	-	-	-68.62	5.92	-62.70	-37.7
3316.00	V	-	-	-69.73	7.87	-61.86	-36.9

Table 7-176. Radiated Spurious Data (ULCA B5 PCC: RB 1 Offset 99, 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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	V	-	-	-72.72	5.65	-67.07	-42.1
2532.00	V	-	-	-68.68	5.93	-62.76	-37.8
3376.00	V	-	-	-69.82	8.04	-61.78	-36.8

Table 7-177. Radiated Spurious Data (ULCA B5 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2069		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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-70.38	9.99	-60.39	-35.4
7530.00	H	160	161	-69.19	11.99	-57.21	-32.2
10040.00	H	-	-	-69.58	13.11	-56.46	-31.5
12550.00	H	-	-	-66.10	13.15	-52.96	-28.0
15060.00	H	-	-	-65.40	14.06	-51.34	-26.3

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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-70.52	10.07	-60.45	-35.5
7605.00	H	-	-	-69.86	12.15	-57.71	-32.7
10140.00	H	-	-	-68.75	13.10	-55.65	-30.7

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

FCC ID: BCGA2069		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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-70.55	10.10	-60.45	-35.5
7680.00	H	-	-	-70.33	12.15	-58.18	-33.2
10240.00	H	-	-	-69.09	13.10	-55.98	-31.0

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

FCC ID: BCGA2069		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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-67.84	9.99	-57.85	-32.8
7518.00	H	-	-	-67.18	11.99	-55.20	-30.2
10024.00	H	-	-	-66.80	13.11	-53.69	-28.7

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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	-	-	-70.32	10.20	-60.11	-35.1
7779.00	H	-	-	-70.62	12.20	-58.42	-33.4
10372.00	H	-	-	-68.37	13.07	-55.30	-30.3

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

FCC ID: BCGA2069	 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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	H	-	-	-69.14	10.37	-58.77	-33.8
8040.00	H	-	-	-70.45	12.53	-57.91	-32.9
10720.00	H	-	-	-67.56	13.07	-54.49	-29.5

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

FCC ID: BCGA2069	 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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	-	-	-67.66	10.00	-57.66	-32.7
7530.00	V	-	-	-67.26	11.99	-55.28	-30.3
10040.00	V	-	-	-67.12	13.11	-54.00	-29.0

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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	-	-	-68.12	10.07	-58.05	-33.1
7605.00	V	-	-	-67.04	12.15	-54.89	-29.9
10140.00	V	-	-	-66.44	13.10	-53.34	-28.3

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

FCC ID: BCGA2069		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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-67.84	10.10	-57.74	-57.7
7680.00	V	-	-	-67.76	12.15	-55.61	-55.6
10240.00	V	-	-	-66.65	13.10	-53.54	-53.5

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

FCC ID: BCGA2069		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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	-	-	-67.78	9.99	-57.79	-32.8
7518.00	V	-	-	-67.32	11.99	-55.34	-30.3
10024.00	V	-	-	-66.81	13.11	-53.70	-28.7

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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	-	-	-68.03	10.20	-57.82	-32.8
7779.00	V	-	-	-68.45	12.20	-56.25	-31.3
10372.00	V	-	-	-65.70	13.07	-52.63	-27.6

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

FCC ID: BCGA2069	 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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-67.62	10.37	-57.25	-57.3
8040.00	V	-	-	-68.83	12.53	-56.29	-56.3
10720.00	V	-	-	-65.78	13.07	-52.71	-52.7

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

FCC ID: BCGA2069	 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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-70.41	10.00	-60.41	-35.4
7530.00	H	-	-	-69.86	11.99	-57.88	-32.9
10040.00	H	-	-	-69.53	13.11	-56.41	-31.4

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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-70.55	10.07	-60.48	-35.5
7605.00	H	-	-	-70.17	12.15	-58.02	-33.0
10140.00	H	-	-	-68.07	13.10	-54.97	-30.0

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

FCC ID: BCGA2069		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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-70.54	10.10	-60.44	-35.4
7680.00	H	-	-	-70.42	12.15	-58.27	-33.3
10240.00	H	-	-	-69.06	13.10	-55.95	-31.0

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

FCC ID: BCGA2069	 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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-70.27	9.99	-60.28	-35.3
7518.00	H	-	-	-69.64	11.99	-57.66	-32.7
10024.00	H	-	-	-69.47	13.11	-56.36	-31.4

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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	-	-	-69.12	10.20	-58.91	-33.9
7779.00	H	-	-	-70.49	12.20	-58.29	-33.3
10372.00	H	-	-	-67.18	13.07	-54.11	-29.1

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

FCC ID: BCGA2069	 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]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	H	-	-	-69.83	10.37	-59.46	-34.5
8040.00	H	-	-	-71.29	12.53	-58.75	-33.8
10720.00	H	-	-	-68.31	13.07	-55.24	-30.2

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

FCC ID: BCGA2069		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	680,500,006	6	0.0000009
100 %		- 20	680,500,010	10	0.0000015
100 %		- 10	680,500,008	8	0.0000012
100 %		0	680,500,008	8	0.0000012
100 %		+ 10	680,500,008	8	0.0000012
100 %		+ 20	680,500,006	6	0.0000009
100 %		+ 30	680,500,007	7	0.0000010
100 %		+ 40	680,500,006	6	0.0000009
100 %		+ 50	680,500,008	8	0.0000012
BATT. ENDPOINT	3.20	+ 20	680,500,007	7	0.0000011

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

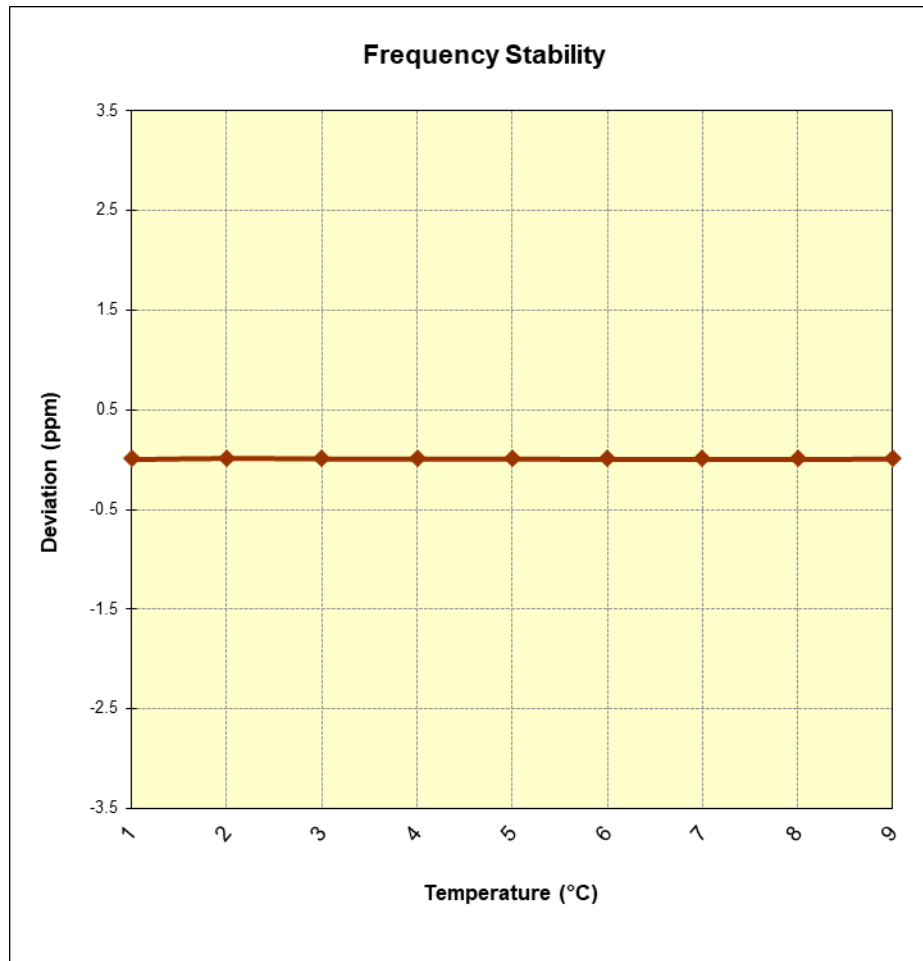


Figure 7-12. Frequency Stability Graph (Band 71)

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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	707,500,006	6	0.0000009
100 %		- 20	707,500,008	8	0.0000012
100 %		- 10	707,500,008	8	0.0000011
100 %		0	707,500,008	8	0.0000011
100 %		+ 10	707,500,008	8	0.0000011
100 %		+ 20	707,500,006	6	0.0000009
100 %		+ 30	707,500,006	6	0.0000009
100 %		+ 40	707,500,007	7	0.0000010
100 %		+ 50	707,500,007	7	0.0000010
BATT. ENDPOINT	3.20	+ 20	707,500,007	7	0.0000010

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.

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 12/17 Frequency Stability Measurements

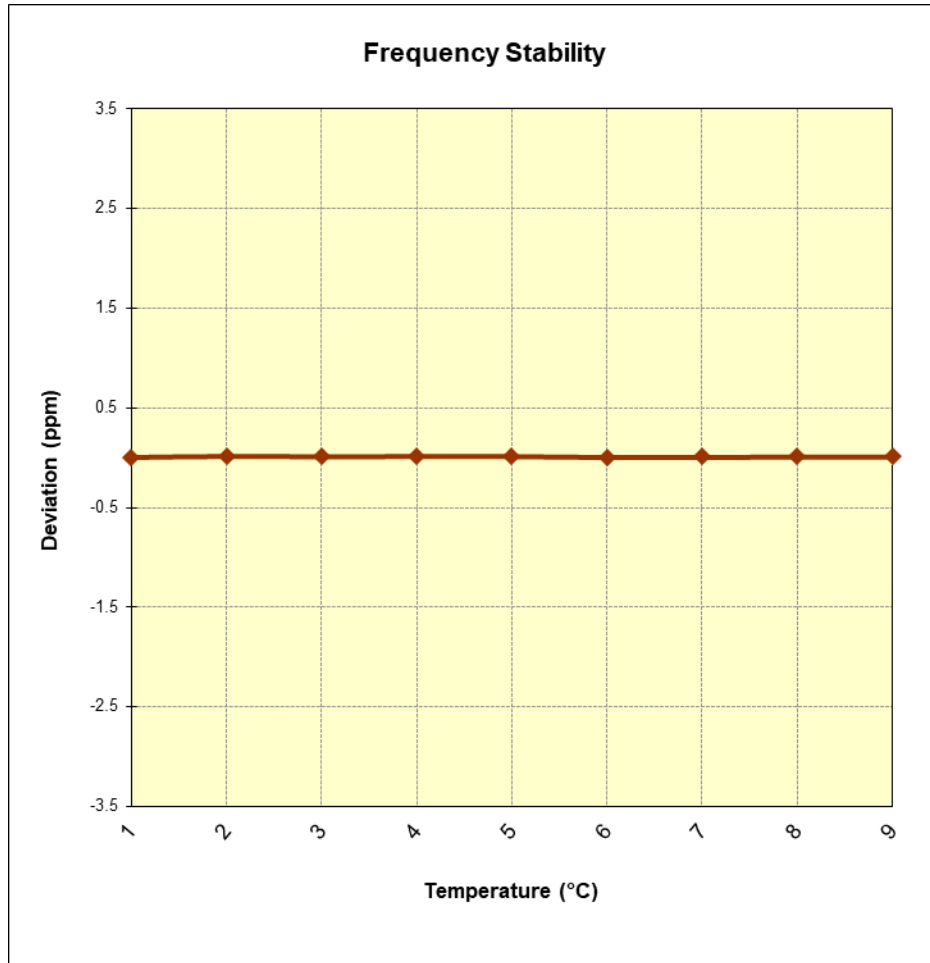


Figure 7-13. Frequency Stability Graph (Band 12/17)

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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	782,000,005	5	0.0000007
100 %		- 20	782,000,010	10	0.0000013
100 %		- 10	782,000,013	13	0.0000017
100 %		0	782,000,011	11	0.0000014
100 %		+ 10	782,000,009	9	0.0000011
100 %		+ 20	782,000,006	6	0.0000008
100 %		+ 30	782,000,006	6	0.0000008
100 %		+ 40	782,000,007	7	0.0000008
100 %		+ 50	782,000,007	7	0.0000009
BATT. ENDPOINT		+ 20	782,000,006	6	0.0000008

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

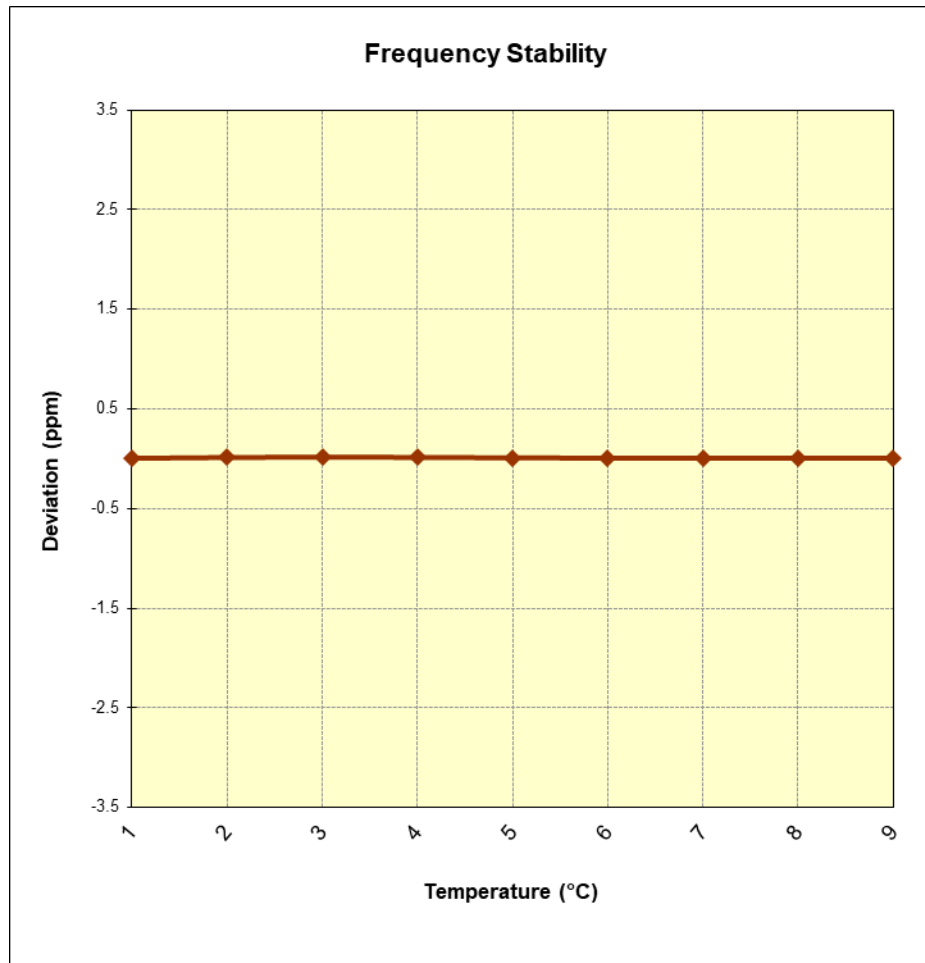


Figure 7-14. Frequency Stability Graph (Band 13)

FCC ID: BCGA2069		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	836,500,006	6	0.0000007
100 %		- 20	836,499,962	-38	-0.0000045
100 %		- 10	836,500,009	9	0.0000011
100 %		0	836,500,008	8	0.0000010
100 %		+ 10	836,500,009	9	0.0000010
100 %		+ 20	836,500,006	6	0.0000007
100 %		+ 30	836,500,008	8	0.0000009
100 %		+ 40	836,500,008	8	0.0000009
100 %		+ 50	836,500,008	8	0.0000010
BATT. ENDPOINT	3.20	+ 20	836,500,008	8	0.0000010

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 26/5 Frequency Stability Measurements

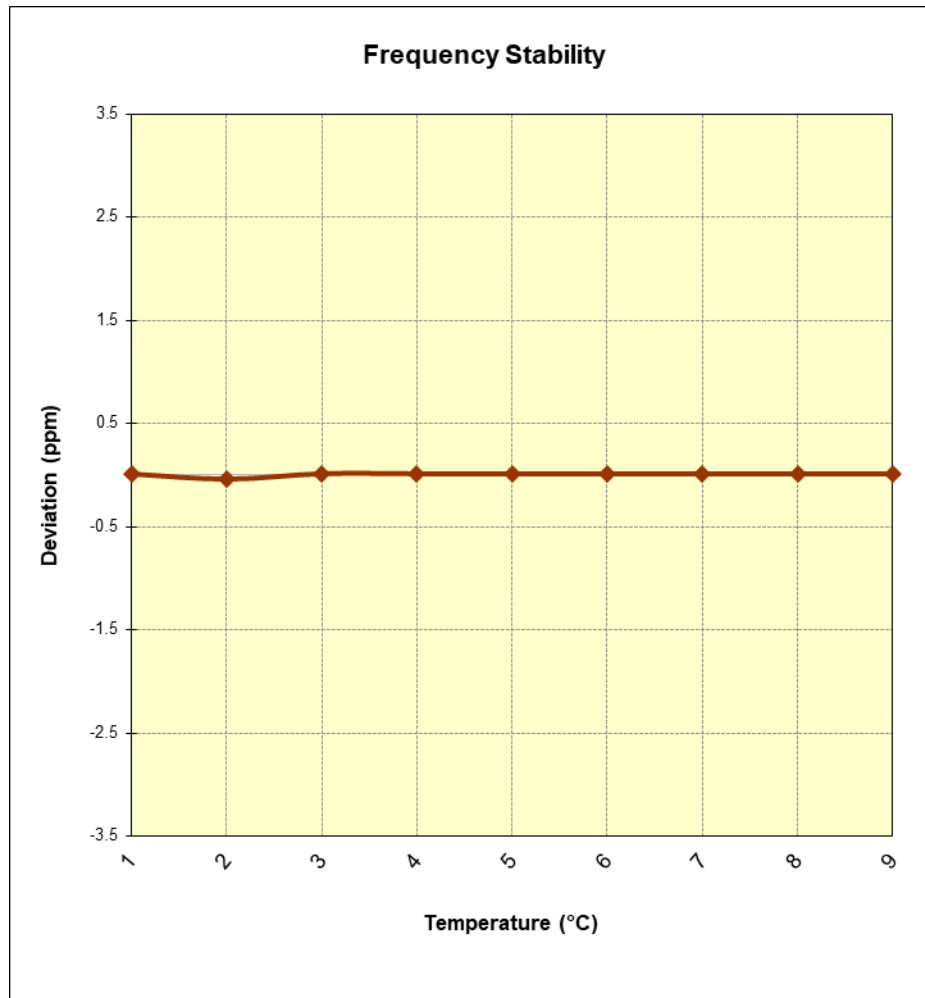


Figure 7-15. Frequency Stability Graph (Band 26/5)

FCC ID: BCGA2069		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	1,745,000,011	11	0.0000007
100 %		- 20	1,745,000,013	13	0.0000008
100 %		- 10	1,744,999,988	-12	-0.0000007
100 %		0	1,745,000,013	13	0.0000008
100 %		+ 10	1,745,000,011	11	0.0000006
100 %		+ 20	1,745,000,010	10	0.0000006
100 %		+ 30	1,745,000,009	9	0.0000005
100 %		+ 40	1,745,000,009	9	0.0000005
100 %		+ 50	1,745,000,009	9	0.0000005
BATT. ENDPOINT	3.20	+ 20	1,745,000,011	11	0.0000006

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: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 66/4 Frequency Stability Measurements

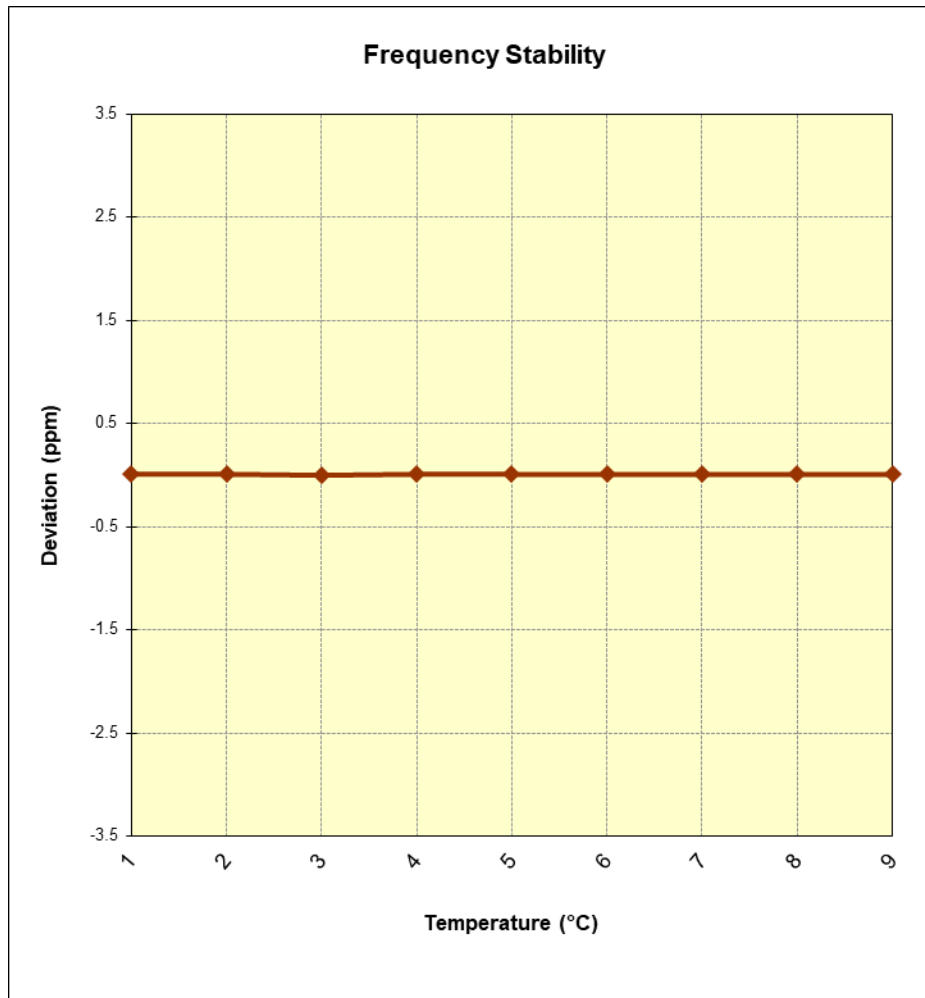


Figure 7-16. Frequency Stability Graph (Band 66/4)

FCC ID: BCGA2069		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	1,882,500,011	11	0.0000006
100 %		- 20	1,882,499,986	-14	-0.0000008
100 %		- 10	1,882,499,984	-16	-0.0000009
100 %		0	1,882,500,015	15	0.0000008
100 %		+ 10	1,882,500,011	11	0.0000006
100 %		+ 20	1,882,500,010	10	0.0000006
100 %		+ 30	1,882,500,010	10	0.0000005
100 %		+ 40	1,882,500,010	10	0.0000005
100 %		+ 50	1,882,500,010	10	0.0000005
BATT. ENDPOINT	3.20	+ 20	1,882,500,010	10	0.0000005

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

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 25/2 Frequency Stability Measurements

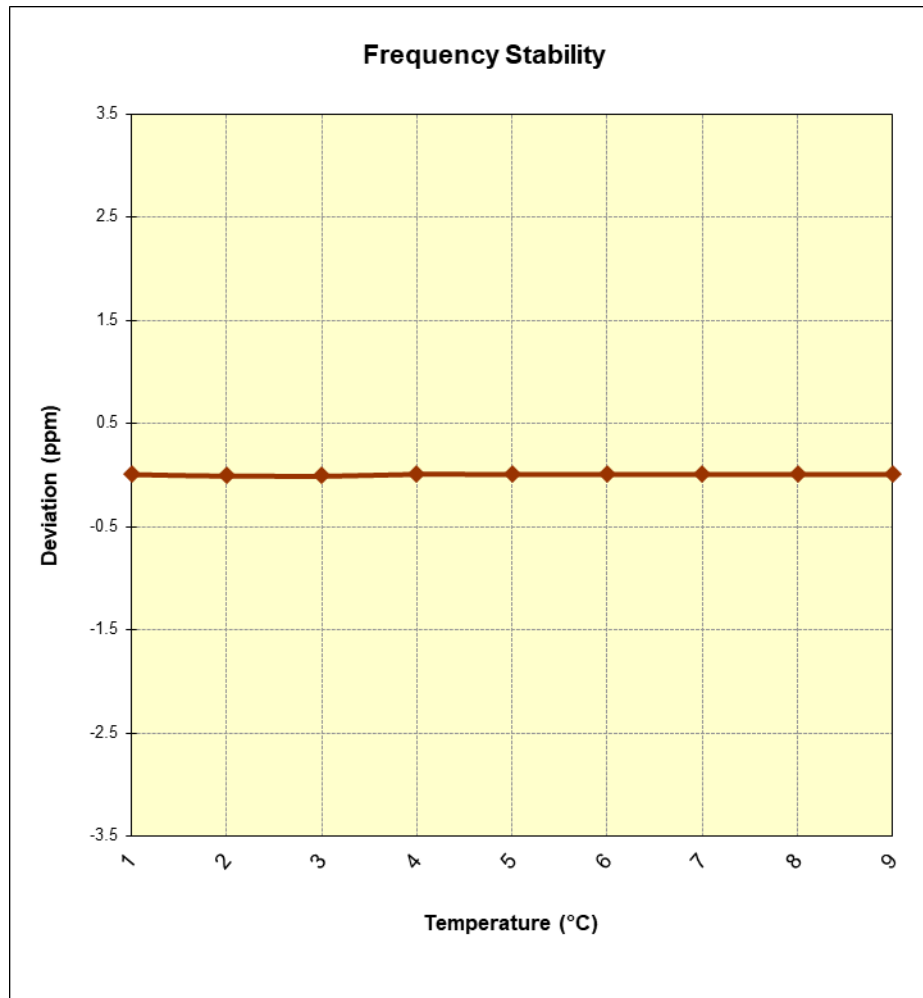


Figure 7-17. Frequency Stability Graph (Band 25/2)

FCC ID: BCGA2069		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	2,310,000,011	11	0.0000005
100 %		- 20	2,310,000,019	19	0.0000008
100 %		- 10	2,310,000,017	17	0.0000007
100 %		0	2,310,000,020	20	0.0000009
100 %		+ 10	2,310,000,013	13	0.0000006
100 %		+ 20	2,310,000,011	11	0.0000005
100 %		+ 30	2,310,000,011	11	0.0000005
100 %		+ 40	2,310,000,015	15	0.0000006
100 %		+ 50	2,310,000,015	15	0.0000006
BATT. ENDPOINT	3.20	+ 20	2,310,000,015	15	0.0000007

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.

FCC ID: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 30 Frequency Stability Measurements

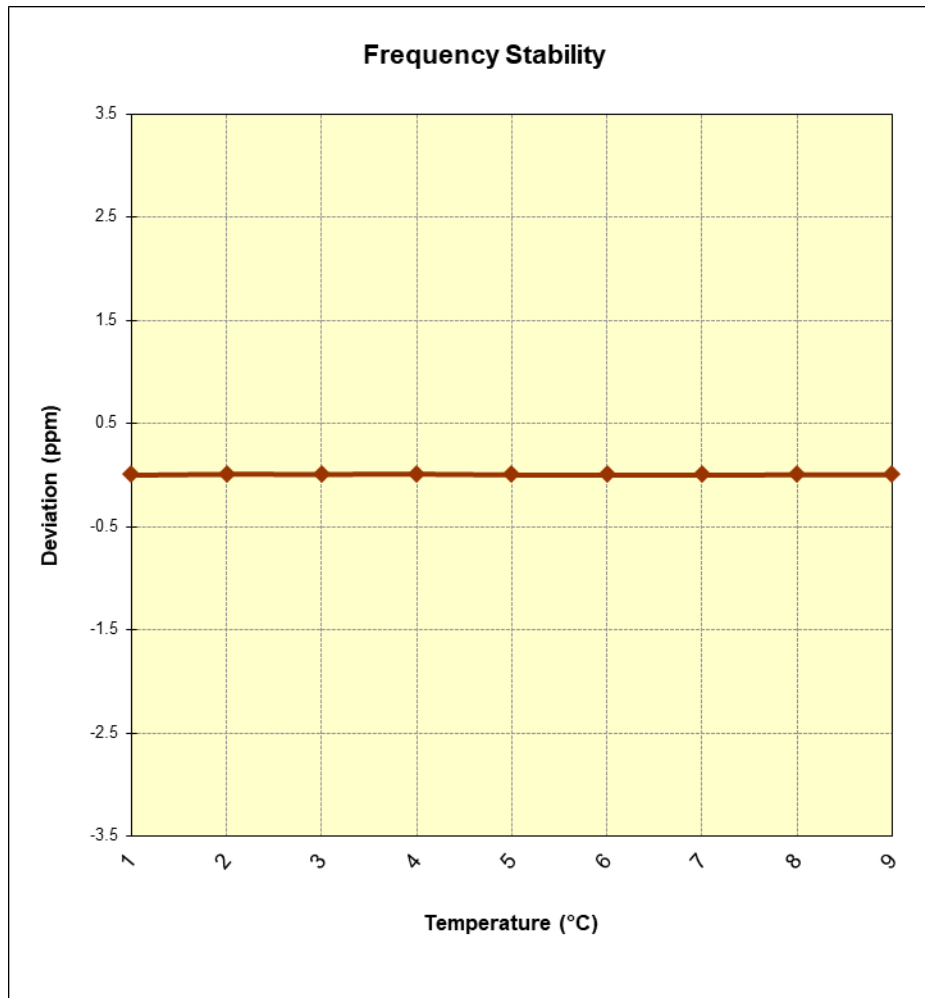


Figure 7-18. Frequency Stability Graph (Band 30)

FCC ID: BCGA2069		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	2,535,000,021	21	0.0000008
100 %		- 20	2,534,999,983	-17	-0.0000007
100 %		- 10	2,535,000,018	18	0.0000007
100 %		0	2,535,000,020	20	0.0000008
100 %		+ 10	2,535,000,016	16	0.0000006
100 %		+ 20	2,535,000,015	15	0.0000006
100 %		+ 30	2,535,000,012	12	0.0000005
100 %		+ 40	2,535,000,013	13	0.0000005
100 %		+ 50	2,535,000,014	14	0.0000006
BATT. ENDPOINT	3.20	+ 20	2,535,000,046	46	0.0000018

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: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 7 Frequency Stability Measurements

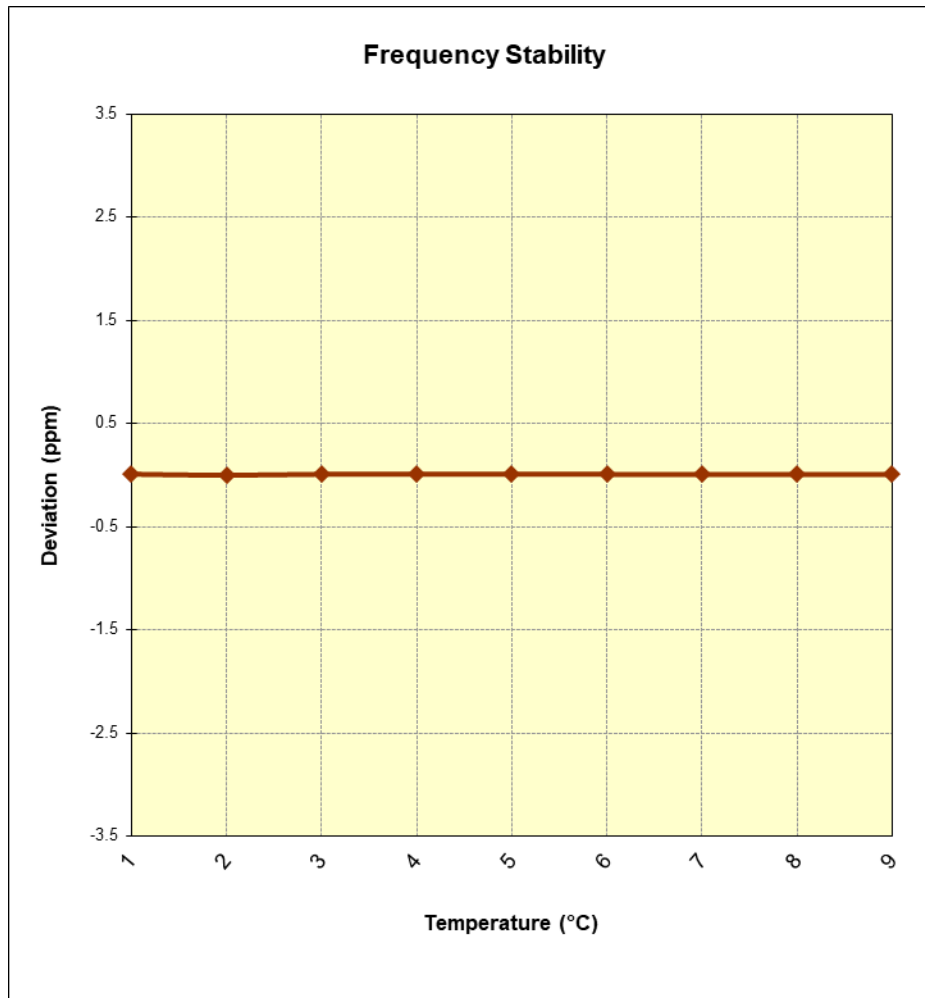


Figure 7-19. Frequency Stability Graph (Band 7)

FCC ID: BCGA2069		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	2,593,000,063	63	0.0000024
100 %		- 20	2,593,000,067	67	0.0000026
100 %		- 10	2,593,000,065	65	0.0000025
100 %		0	2,593,000,067	67	0.0000026
100 %		+ 10	2,593,000,064	64	0.0000025
100 %		+ 20	2,593,000,060	60	0.0000023
100 %		+ 30	2,593,000,061	61	0.0000024
100 %		+ 40	2,593,000,061	61	0.0000024
100 %		+ 50	2,593,000,060	60	0.0000023
BATT. ENDPOINT	3.20	+ 20	2,593,000,061	61	0.0000024

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: BCGA2069	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 41 Frequency Stability Measurements

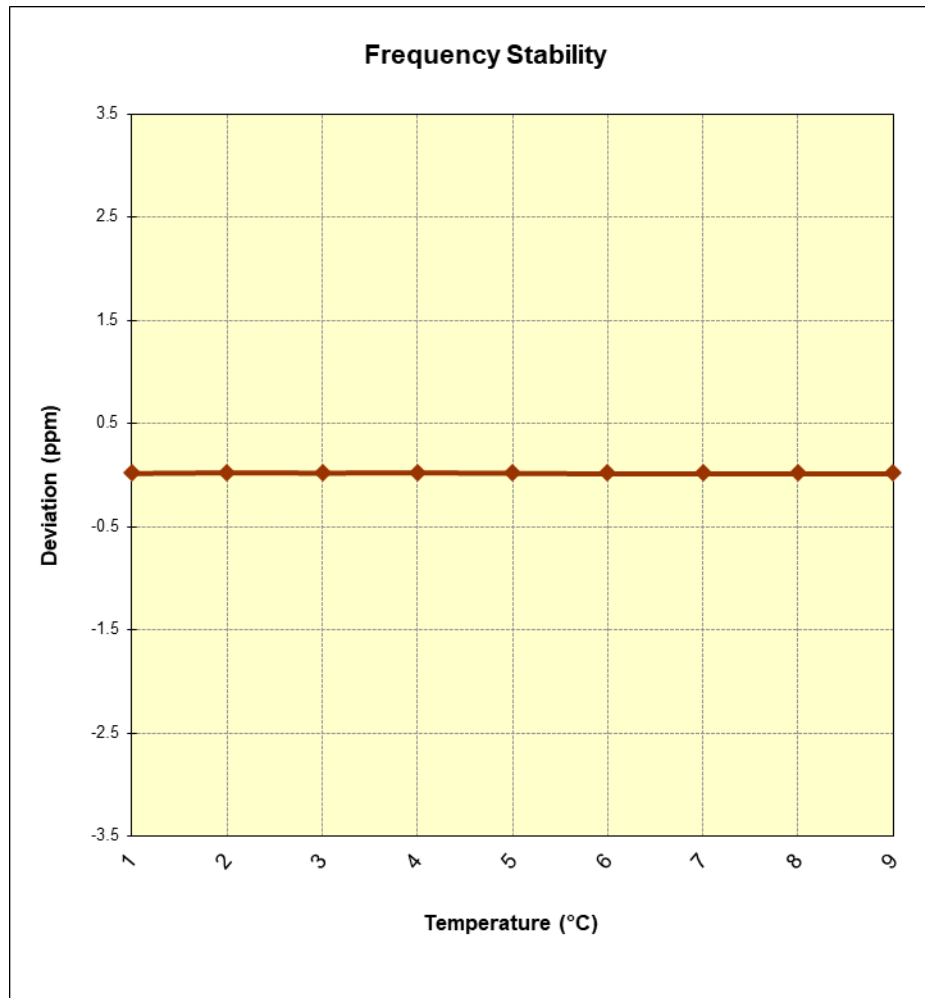


Figure 7-20. Frequency Stability Graph (Band 41)

FCC ID: BCGA2069		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: BCGA2069** complies with all the requirements of Part 22, 24, & 27 of the FCC Rules for LTE operation only.

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