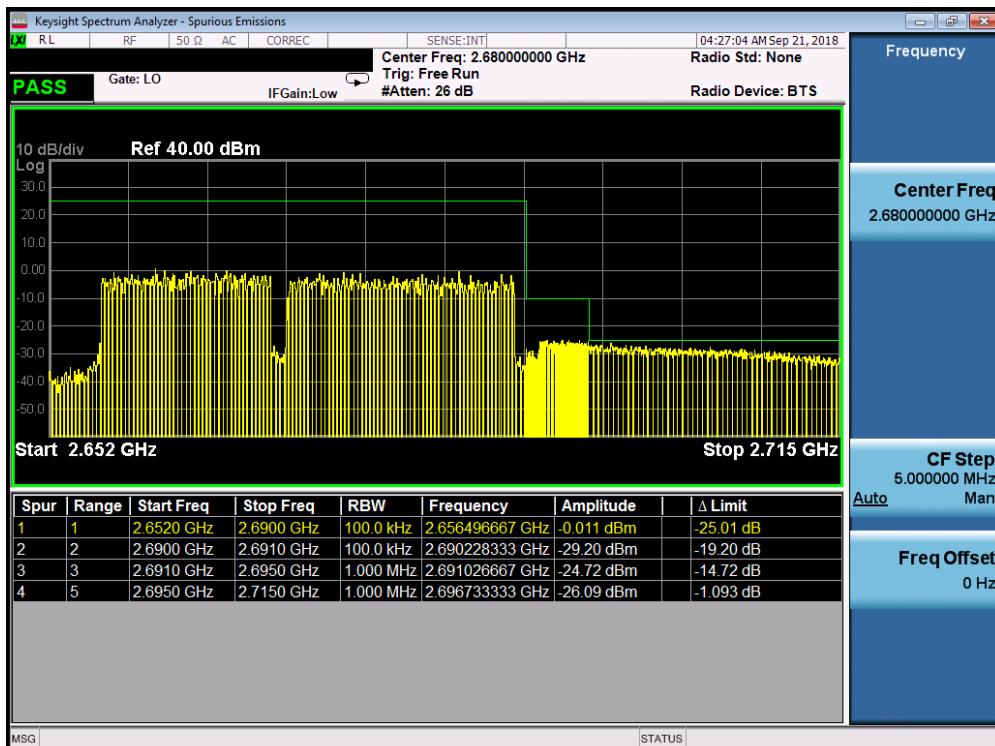


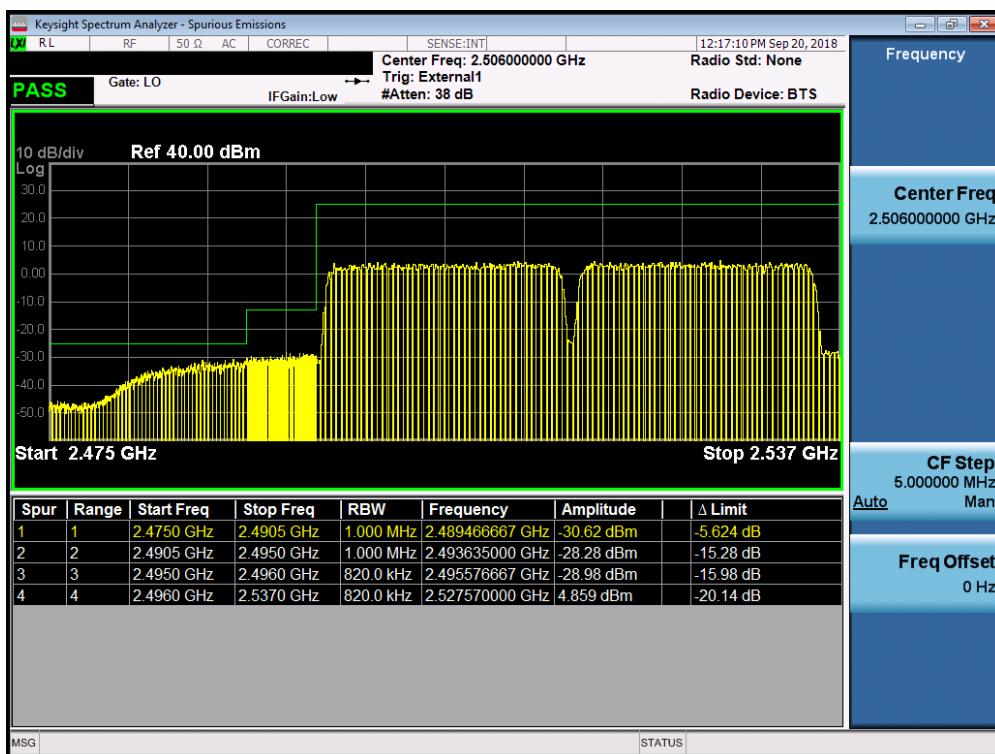


Plot 7-426. Lower ACP Plot (Band 41 QPSK – PCC:15 MHz SCC:20 MHz – Full RB)

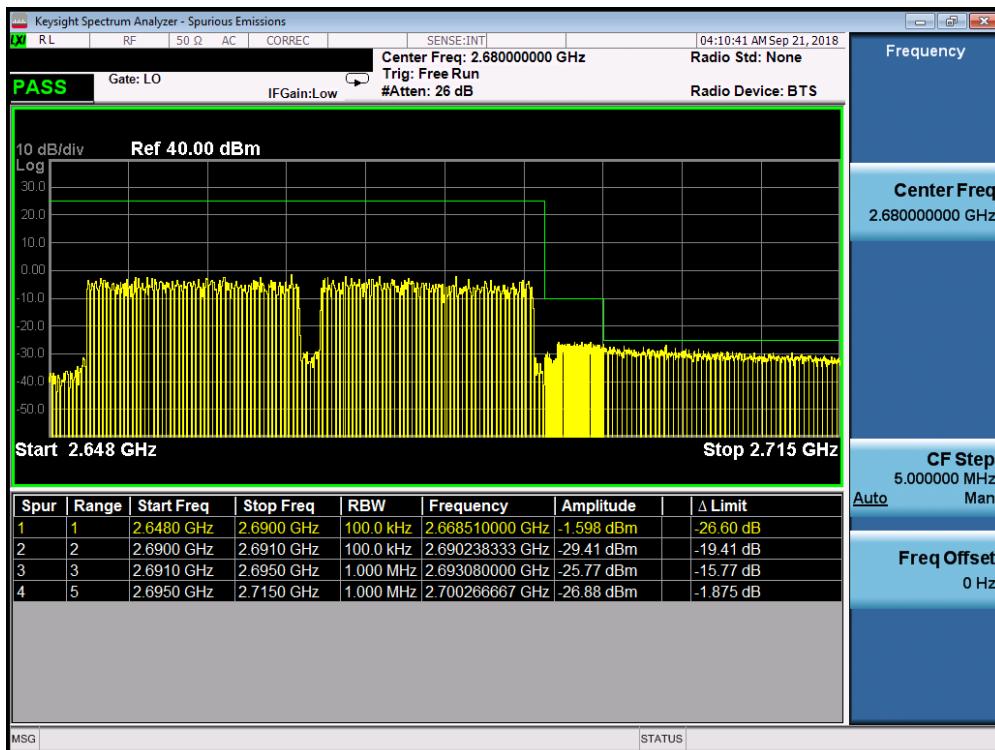


Plot 7-427. Upper ACP Plot (Band 41 QPSK – PCC:15 MHz SCC:20 MHz – Full RB)

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Plot 7-428. Lower ACP Plot (Band 41 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)



Plot 7-429. Upper ACP Plot (Band 41 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

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7.7 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 7-6. 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 2-1 Section 2.3 of this test report for correlation between Antennas and Ports.

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7.7.1 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 / 24	25.49	-3.70	19.64	0.092	34.77	-15.13
680.50	5	QPSK	1 / 0	25.34	-3.70	19.49	0.089	34.77	-15.29
695.50	5	QPSK	1 / 0	25.44	-3.70	19.59	0.091	34.77	-15.19
680.50	5	16-QAM	1 / 0	24.94	-3.70	19.09	0.081	34.77	-15.69
665.50	5	64-QAM	1 / 0	24.06	-3.70	18.21	0.066	34.77	-16.56
668.00	10	QPSK	1 / 0	25.43	-3.70	19.58	0.091	34.77	-15.19
680.50	10	QPSK	1 / 25	25.48	-3.70	19.63	0.092	34.77	-15.14
693.00	10	QPSK	1 / 0	25.49	-3.70	19.64	0.092	34.77	-15.14
680.50	10	16-QAM	1 / 25	24.97	-3.70	19.12	0.082	34.77	-15.65
668.00	10	64-QAM	1 / 49	23.95	-3.70	18.10	0.065	34.77	-16.67
670.50	15	QPSK	1 / 36	25.44	-3.70	19.59	0.091	34.77	-15.18
680.50	15	QPSK	1 / 36	25.50	-3.70	19.65	0.092	34.77	-15.12
690.50	15	QPSK	1 / 36	25.39	-3.70	19.54	0.090	34.77	-15.23
690.50	15	16-QAM	1 / 74	24.82	-3.70	18.97	0.079	34.77	-15.80
670.50	15	64-QAM	1 / 74	24.01	-3.70	18.16	0.065	34.77	-16.61
673.00	20	QPSK	1 / 99	25.34	-3.70	19.49	0.089	34.77	-15.28
683.00	20	QPSK	1 / 50	25.46	-3.70	19.61	0.091	34.77	-15.16
688.00	20	QPSK	1 / 0	25.50	-3.70	19.65	0.092	34.77	-15.13
673.00	20	16-QAM	1 / 99	24.93	-3.70	19.08	0.081	34.77	-15.69
673.00	20	64-QAM	1 / 99	24.25	-3.70	18.40	0.069	34.77	-16.37

Table 7-19. ERP Data (Band 71)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	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	3 / 2	25.50	-3.70	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
707.50	1.4	QPSK	3 / 0	25.50	-3.70	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
715.30	1.4	QPSK	3 / 0	25.44	-3.70	19.59	0.091	34.77	-15.19	21.74	0.149	36.99	-15.25
707.50	1.4	16-QAM	1 / 5	24.85	-3.70	19.00	0.079	34.77	-15.77	21.15	0.130	36.99	-15.84
707.50	1.4	64-QAM	1 / 2	23.98	-3.70	18.13	0.065	34.77	-16.64	20.28	0.107	36.99	-16.71
700.50	3	QPSK	1 / 7	25.46	-3.70	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
707.50	3	QPSK	1 / 7	25.44	-3.70	19.59	0.091	34.77	-15.18	21.74	0.149	36.99	-15.24
714.50	3	QPSK	1 / 7	25.35	-3.70	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
714.50	3	16-QAM	1 / 7	24.83	-3.70	18.98	0.079	34.77	-15.79	21.13	0.130	36.99	-15.86
700.50	3	64-QAM	1 / 7	23.72	-3.70	17.87	0.061	34.77	-16.90	20.02	0.100	36.99	-16.97
701.50	5	QPSK	1 / 0	25.49	-3.70	19.64	0.092	34.77	-15.13	21.79	0.151	36.99	-15.19
707.50	5	QPSK	1 / 24	25.43	-3.70	19.58	0.091	34.77	-15.19	21.73	0.149	36.99	-15.26
713.50	5	QPSK	1 / 24	25.50	-3.70	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
707.50	5	16-QAM	1 / 24	24.89	-3.70	19.04	0.080	34.77	-15.73	21.19	0.131	36.99	-15.80
707.50	5	64-QAM	1 / 24	23.91	-3.70	18.06	0.064	34.77	-16.71	20.21	0.105	36.99	-16.78
704.00	10	QPSK	1 / 0	25.46	-3.70	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
707.50	10	QPSK	1 / 0	25.43	-3.70	19.58	0.091	34.77	-15.19	21.73	0.149	36.99	-15.26
711.00	10	QPSK	1 / 0	25.49	-3.70	19.64	0.092	34.77	-15.13	21.79	0.151	36.99	-15.20
704.00	10	16-QAM	1 / 0	24.81	-3.70	18.96	0.079	34.77	-15.81	21.11	0.129	36.99	-15.88
704.00	10	64-QAM	1 / 0	23.84	-3.70	17.99	0.063	34.77	-16.78	20.14	0.103	36.99	-16.85

Table 7-20. ERP Data (Band 12)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
706.50	5	QPSK	1 / 24	25.47	-3.70	19.62	0.092	34.77	-15.15	21.77	0.150	36.99	-15.22
710.00	5	QPSK	1 / 0	25.29	-3.70	19.44	0.088	34.77	-15.33	21.59	0.144	36.99	-15.40
713.50	5	QPSK	1 / 24	25.33	-3.70	19.48	0.089	34.77	-15.29	21.63	0.146	36.99	-15.36
706.50	5	16-QAM	1 / 0	24.77	-3.70	18.92	0.078	34.77	-15.85	21.07	0.128	36.99	-15.92
710.00	5	64-QAM	1 / 0	23.93	-3.70	18.08	0.064	34.77	-16.69	20.23	0.105	36.99	-16.76
710.00	10	QPSK	1 / 0	25.36	-3.70	19.51	0.089	34.77	-15.26	21.66	0.147	36.99	-15.33
710.00	10	16-QAM	1 / 0	24.45	-3.70	18.60	0.072	34.77	-16.17	20.75	0.119	36.99	-16.24
710.00	10	64-QAM	1 / 49	23.86	-3.70	18.01	0.063	34.77	-16.76	20.16	0.104	36.99	-16.83

Table 7-21. ERP Data (Band 17)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)							Approved by: Quality Manager
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
779.50	5	QPSK	1 / 0	25.34	-3.70	19.49	0.089	34.77	-15.28	21.64	0.146	36.99	-15.35
782.00	5	QPSK	1 / 0	25.16	-3.70	19.31	0.085	34.77	-15.46	21.46	0.140	36.99	-15.53
784.50	5	QPSK	1 / 24	25.25	-3.70	19.40	0.087	34.77	-15.37	21.55	0.143	36.99	-15.44
779.50	5	16-QAM	1 / 12	24.84	-3.70	18.99	0.079	34.77	-15.78	21.14	0.130	36.99	-15.85
779.50	5	64-QAM	1 / 0	24.41	-3.70	18.56	0.072	34.77	-16.21	20.71	0.118	36.99	-16.28
782.00	10	QPSK	1 / 0	25.38	-3.70	19.53	0.090	34.77	-15.24	21.68	0.147	36.99	-15.31
782.00	10	16-QAM	1 / 49	24.57	-3.70	18.72	0.074	34.77	-16.05	20.87	0.122	36.99	-16.12
782.00	10	64-QAM	1 / 0	24.21	-3.70	18.36	0.069	34.77	-16.41	20.51	0.112	36.99	-16.48

Table 7-22. ERP Data (Band 13)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	1 / 5	25.38	-3.80	19.43	0.088	38.45	-19.02	21.58	0.144	40.61	-19.03
836.50	1.4	QPSK	1 / 2	25.20	-3.80	19.25	0.084	38.45	-19.20	21.40	0.138	40.61	-19.21
848.30	1.4	QPSK	1 / 0	25.22	-3.80	19.27	0.085	38.45	-19.18	21.42	0.139	40.61	-19.19
848.30	1.4	16-QAM	1 / 0	24.84	-3.80	18.89	0.077	38.45	-19.56	21.04	0.127	40.61	-19.57
824.70	1.4	64-QAM	1 / 0	24.02	-3.80	18.07	0.064	38.45	-20.38	20.22	0.105	40.61	-20.39
825.50	3	QPSK	1 / 7	25.35	-3.80	19.40	0.087	38.45	-19.05	21.55	0.143	40.61	-19.06
836.50	3	QPSK	1 / 7	25.07	-3.80	19.12	0.082	38.45	-19.33	21.27	0.134	40.61	-19.34
847.50	3	QPSK	1 / 7	25.15	-3.80	19.20	0.083	38.45	-19.25	21.35	0.136	40.61	-19.26
847.50	3	16-QAM	1 / 7	24.89	-3.80	18.94	0.078	38.45	-19.51	21.09	0.129	40.61	-19.52
847.50	3	64-QAM	1 / 0	23.83	-3.80	17.88	0.061	38.45	-20.57	20.03	0.101	40.61	-20.58
826.50	5	QPSK	1 / 0	25.47	-3.80	19.52	0.090	38.45	-18.93	21.67	0.147	40.61	-18.94
836.50	5	QPSK	1 / 24	25.38	-3.80	19.43	0.088	38.45	-19.02	21.58	0.144	40.61	-19.03
846.50	5	QPSK	1 / 24	25.50	-3.80	19.55	0.090	38.45	-18.90	21.70	0.148	40.61	-18.91
846.50	5	16-QAM	1 / 0	24.82	-3.80	18.87	0.077	38.45	-19.58	21.02	0.126	40.61	-19.59
826.50	5	64-QAM	1 / 0	24.07	-3.80	18.12	0.065	38.45	-20.33	20.27	0.106	40.61	-20.34
829.00	10	QPSK	1 / 0	25.37	-3.80	19.42	0.087	38.45	-19.03	21.57	0.144	40.61	-19.04
836.50	10	QPSK	1 / 49	25.50	-3.80	19.55	0.090	38.45	-18.90	21.70	0.148	40.61	-18.91
844.00	10	QPSK	1 / 0	25.43	-3.80	19.48	0.089	38.45	-18.97	21.63	0.146	40.61	-18.98
836.50	10	16-QAM	1 / 49	24.83	-3.80	18.88	0.077	38.45	-19.57	21.03	0.127	40.61	-19.58
836.50	10	64-QAM	1 / 49	24.07	-3.80	18.12	0.065	38.45	-20.33	20.27	0.106	40.61	-20.34

Table 7-23. ERP Data (Band 5)

FCC ID: BCGA2014	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	25.50	-3.80	19.55	0.090	38.45	-18.90	21.70	0.148	40.61	-18.91
836.50	1.4	QPSK	3 / 2	25.33	-3.80	19.38	0.087	38.45	-19.07	21.53	0.142	40.61	-19.07
848.30	1.4	QPSK	3 / 3	25.24	-3.80	19.29	0.085	38.45	-19.16	21.44	0.139	40.61	-19.17
836.50	1.4	16-QAM	1 / 0	24.89	-3.80	18.94	0.078	38.45	-19.51	21.09	0.129	40.61	-19.51
824.70	1.4	64-QAM	1 / 2	24.11	-3.80	18.16	0.065	38.45	-20.29	20.31	0.107	40.61	-20.30
825.50	3	QPSK	1 / 0	25.49	-3.80	19.54	0.090	38.45	-18.91	21.69	0.148	40.61	-18.92
836.50	3	QPSK	1 / 7	25.25	-3.80	19.30	0.085	38.45	-19.15	21.45	0.140	40.61	-19.15
847.50	3	QPSK	1 / 7	25.13	-3.80	19.18	0.083	38.45	-19.27	21.33	0.136	40.61	-19.28
825.50	3	16-QAM	1 / 0	24.85	-3.80	18.90	0.078	38.45	-19.55	21.05	0.127	40.61	-19.56
825.50	3	64-QAM	1 / 0	23.96	-3.80	18.01	0.063	38.45	-20.44	20.16	0.104	40.61	-20.45
826.50	5	QPSK	1 / 0	25.50	-3.80	19.55	0.090	38.45	-18.90	21.70	0.148	40.61	-18.91
836.50	5	QPSK	1 / 12	25.21	-3.80	19.26	0.084	38.45	-19.19	21.41	0.138	40.61	-19.20
846.50	5	QPSK	1 / 0	25.40	-3.80	19.45	0.088	38.45	-19.00	21.60	0.145	40.61	-19.01
836.50	5	16-QAM	1 / 12	24.74	-3.80	18.79	0.076	38.45	-19.66	20.94	0.124	40.61	-19.67
826.50	5	64-QAM	1 / 0	24.05	-3.80	18.10	0.065	38.45	-20.35	20.25	0.106	40.61	-20.36
829.00	10	QPSK	1 / 0	25.36	-3.80	19.41	0.087	38.45	-19.04	21.56	0.143	40.61	-19.04
836.50	10	QPSK	1 / 0	25.50	-3.80	19.55	0.090	38.45	-18.90	21.70	0.148	40.61	-18.91
844.00	10	QPSK	1 / 0	25.46	-3.80	19.51	0.089	38.45	-18.94	21.66	0.147	40.61	-18.94
836.50	10	16-QAM	1 / 0	25.09	-3.80	19.14	0.082	38.45	-19.31	21.29	0.135	40.61	-19.32
829.00	10	64-QAM	1 / 0	24.11	-3.80	18.16	0.065	38.45	-20.29	20.31	0.107	40.61	-20.30

Table 7-24. ERP Data (Band 26)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	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]
1710.70	1.4	QPSK	1 / 5	25.34	-2.80	22.54	0.179	30.00	-7.46
1732.50	1.4	QPSK	1 / 0	25.23	-2.80	22.43	0.175	30.00	-7.57
1754.30	1.4	QPSK	1 / 0	25.22	-2.80	22.42	0.175	30.00	-7.58
1710.70	1.4	16-QAM	1 / 0	24.72	-2.80	21.92	0.156	30.00	-8.08
1754.30	1.4	64-QAM	1 / 0	24.08	-2.80	21.28	0.134	30.00	-8.72
1711.50	3	QPSK	1 / 7	25.43	-2.80	22.63	0.183	30.00	-7.37
1732.50	3	QPSK	1 / 7	25.16	-2.80	22.36	0.172	30.00	-7.64
1753.50	3	QPSK	1 / 0	25.09	-2.80	22.29	0.169	30.00	-7.71
1753.50	3	16-QAM	1 / 0	24.68	-2.80	21.88	0.154	30.00	-8.12
1711.50	3	64-QAM	1 / 14	24.03	-2.80	21.23	0.133	30.00	-8.77
1712.50	5	QPSK	1 / 24	25.49	-2.80	22.69	0.186	30.00	-7.31
1732.50	5	QPSK	1 / 24	25.26	-2.80	22.46	0.176	30.00	-7.54
1752.50	5	QPSK	1 / 0	25.37	-2.80	22.57	0.181	30.00	-7.43
1732.50	5	16-QAM	1 / 0	24.56	-2.80	21.76	0.150	30.00	-8.24
1752.50	5	64-QAM	1 / 12	24.40	-2.80	21.60	0.145	30.00	-8.40
1715.00	10	QPSK	1 / 25	25.50	-2.80	22.70	0.186	30.00	-7.30
1732.50	10	QPSK	1 / 0	25.47	-2.80	22.67	0.185	30.00	-7.33
1750.00	10	QPSK	1 / 0	25.48	-2.80	22.68	0.185	30.00	-7.32
1750.00	10	16-QAM	1 / 0	24.79	-2.80	21.99	0.158	30.00	-8.01
1715.00	10	64-QAM	1 / 25	24.16	-2.80	21.36	0.137	30.00	-8.64
1717.50	15	QPSK	1 / 0	25.50	-2.80	22.70	0.186	30.00	-7.30
1732.50	15	QPSK	1 / 36	25.44	-2.80	22.64	0.184	30.00	-7.36
1747.50	15	QPSK	1 / 36	25.47	-2.80	22.67	0.185	30.00	-7.33
1747.50	15	16-QAM	1 / 0	24.76	-2.80	21.96	0.157	30.00	-8.04
1732.50	15	64-QAM	1 / 36	24.19	-2.80	21.39	0.138	30.00	-8.61
1720.00	20	QPSK	1 / 0	24.47	-2.80	21.67	0.147	30.00	-8.33
1732.50	20	QPSK	1 / 50	25.50	-2.80	22.70	0.186	30.00	-7.30
1745.00	20	QPSK	1 / 50	25.42	-2.80	22.62	0.183	30.00	-7.38
1732.50	20	16-QAM	1 / 50	24.85	-2.80	22.05	0.160	30.00	-7.95
1732.50	20	64-QAM	1 / 50	24.20	-2.80	21.40	0.138	30.00	-8.60

Table 7-25. EIRP Data (Band 4)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	25.33	-2.80	22.53	0.179	30.00	-7.47
1745.00	1.4	QPSK	1 / 0	25.27	-2.80	22.47	0.176	30.00	-7.53
1779.30	1.4	QPSK	1 / 0	25.25	-2.80	22.45	0.176	30.00	-7.55
1779.30	1.4	16-QAM	1 / 2	24.74	-2.80	21.94	0.156	30.00	-8.06
1779.30	1.4	64-QAM	1 / 0	24.12	-2.80	21.32	0.136	30.00	-8.68
1711.50	3	QPSK	1 / 7	25.38	-2.80	22.58	0.181	30.00	-7.42
1745.00	3	QPSK	1 / 7	25.15	-2.80	22.35	0.172	30.00	-7.65
1778.50	3	QPSK	1 / 0	25.11	-2.80	22.31	0.170	30.00	-7.69
1778.50	3	16-QAM	1 / 0	24.68	-2.80	21.88	0.154	30.00	-8.12
1711.50	3	64-QAM	1 / 14	24.05	-2.80	21.25	0.133	30.00	-8.75
1712.50	5	QPSK	1 / 24	25.41	-2.80	22.61	0.182	30.00	-7.39
1745.00	5	QPSK	1 / 24	25.26	-2.80	22.46	0.176	30.00	-7.54
1777.50	5	QPSK	1 / 0	25.50	-2.80	22.70	0.186	30.00	-7.30
1712.50	5	16-QAM	1 / 24	24.65	-2.80	21.85	0.153	30.00	-8.15
1712.50	5	64-QAM	1 / 24	24.39	-2.80	21.59	0.144	30.00	-8.41
1715.00	10	QPSK	1 / 25	25.41	-2.80	22.61	0.182	30.00	-7.39
1745.00	10	QPSK	1 / 0	25.35	-2.80	22.55	0.180	30.00	-7.45
1775.00	10	QPSK	1 / 0	25.45	-2.80	22.65	0.184	30.00	-7.35
1775.00	10	16-QAM	1 / 0	24.93	-2.80	22.13	0.163	30.00	-7.87
1745.00	10	64-QAM	1 / 49	24.23	-2.80	21.43	0.139	30.00	-8.57
1717.50	15	QPSK	1 / 0	25.35	-2.80	22.55	0.180	30.00	-7.45
1745.00	15	QPSK	1 / 36	25.26	-2.80	22.46	0.176	30.00	-7.54
1772.50	15	QPSK	1 / 36	25.31	-2.80	22.51	0.178	30.00	-7.49
1745.00	15	16-QAM	1 / 36	24.61	-2.80	21.81	0.152	30.00	-8.19
1745.00	15	64-QAM	1 / 36	24.22	-2.80	21.42	0.139	30.00	-8.58
1720.00	20	QPSK	1 / 0	25.26	-2.80	22.46	0.176	30.00	-7.54
1745.00	20	QPSK	1 / 50	25.29	-2.80	22.49	0.178	30.00	-7.51
1770.00	20	QPSK	1 / 50	25.25	-2.80	22.45	0.176	30.00	-7.55
1720.00	20	16-QAM	1 / 99	24.73	-2.80	21.93	0.156	30.00	-8.07
1745.00	20	64-QAM	1 / 50	24.16	-2.80	21.36	0.137	30.00	-8.64

Table 7-26. EIRP Data (Band 66)

FCC ID: BCGA2014	 PCTEST [®] ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	25.21	-2.20	23.01	0.200	33.01	-10.00
1880.00	1.4	QPSK	1 / 0	25.45	-2.20	23.25	0.211	33.01	-9.76
1909.30	1.4	QPSK	1 / 0	25.48	-2.20	23.28	0.213	33.01	-9.73
1880.00	1.4	16-QAM	1 / 0	24.83	-2.20	22.63	0.183	33.01	-10.38
1909.30	1.4	64-QAM	1 / 5	24.42	-2.20	22.22	0.167	33.01	-10.79
1851.50	3	QPSK	1 / 14	25.36	-2.20	23.16	0.207	33.01	-9.85
1880.00	3	QPSK	1 / 7	25.31	-2.20	23.11	0.205	33.01	-9.90
1908.50	3	QPSK	1 / 0	25.17	-2.20	22.97	0.198	33.01	-10.04
1908.50	3	16-QAM	1 / 0	24.83	-2.20	22.63	0.183	33.01	-10.38
1908.50	3	64-QAM	1 / 7	24.24	-2.20	22.04	0.160	33.01	-10.97
1852.50	5	QPSK	1 / 24	25.36	-2.20	23.16	0.207	33.01	-9.85
1880.00	5	QPSK	1 / 0	25.33	-2.20	23.13	0.206	33.01	-9.88
1907.50	5	QPSK	1 / 12	25.50	-2.20	23.30	0.214	33.01	-9.71
1880.00	5	16-QAM	1 / 12	24.69	-2.20	22.49	0.177	33.01	-10.52
1907.50	5	64-QAM	1 / 12	24.41	-2.20	22.21	0.166	33.01	-10.80
1855.00	10	QPSK	1 / 49	25.30	-2.20	23.10	0.204	33.01	-9.91
1880.00	10	QPSK	1 / 0	25.44	-2.20	23.24	0.211	33.01	-9.77
1905.00	10	QPSK	1 / 0	25.50	-2.20	23.30	0.214	33.01	-9.71
1880.00	10	16-QAM	1 / 25	24.87	-2.20	22.67	0.185	33.01	-10.34
1880.00	10	64-QAM	1 / 0	24.42	-2.20	22.22	0.167	33.01	-10.79
1857.50	15	QPSK	1 / 36	25.29	-2.20	23.09	0.204	33.01	-9.92
1880.00	15	QPSK	1 / 0	25.39	-2.20	23.19	0.208	33.01	-9.82
1902.50	15	QPSK	1 / 0	25.42	-2.20	23.22	0.210	33.01	-9.79
1902.50	15	16-QAM	1 / 0	24.79	-2.20	22.59	0.182	33.01	-10.42
1902.50	15	64-QAM	1 / 0	24.59	-2.20	22.39	0.173	33.01	-10.62
1860.00	20	QPSK	1 / 99	25.21	-2.20	23.01	0.200	33.01	-10.00
1880.00	20	QPSK	1 / 0	25.45	-2.20	23.25	0.211	33.01	-9.76
1900.00	20	QPSK	1 / 0	25.48	-2.20	23.28	0.213	33.01	-9.73
1880.00	20	16-QAM	1 / 0	24.83	-2.20	22.63	0.183	33.01	-10.38
1900.00	20	64-QAM	1 / 99	24.42	-2.20	22.22	0.167	33.01	-10.79

Table 7-27. EIRP Data (Band 2)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	25.30	-2.20	23.10	0.204	33.01	-9.91
1882.50	1.4	QPSK	3 / 3	25.34	-2.20	23.14	0.206	33.01	-9.87
1914.30	1.4	QPSK	3 / 2	25.32	-2.20	23.12	0.205	33.01	-9.89
1914.30	1.4	16-QAM	1 / 5	24.81	-2.20	22.61	0.183	33.01	-10.40
1882.50	1.4	64-QAM	1 / 5	23.74	-2.20	21.54	0.143	33.01	-11.47
1851.50	3	QPSK	1 / 14	25.49	-2.20	23.29	0.213	33.01	-9.72
1882.50	3	QPSK	1 / 7	25.33	-2.20	23.13	0.206	33.01	-9.88
1913.50	3	QPSK	1 / 0	25.25	-2.20	23.05	0.202	33.01	-9.96
1882.50	3	16-QAM	1 / 7	24.86	-2.20	22.66	0.184	33.01	-10.35
1913.50	3	64-QAM	1 / 7	23.69	-2.20	21.49	0.141	33.01	-11.52
1852.50	5	QPSK	1 / 24	25.22	-2.20	23.02	0.201	33.01	-9.99
1882.50	5	QPSK	1 / 0	25.13	-2.20	22.93	0.196	33.01	-10.08
1912.50	5	QPSK	1 / 12	25.33	-2.20	23.13	0.206	33.01	-9.88
1882.50	5	16-QAM	1 / 12	24.52	-2.20	22.32	0.171	33.01	-10.69
1912.50	5	64-QAM	1 / 12	23.82	-2.20	21.62	0.145	33.01	-11.39
1855.00	10	QPSK	1 / 49	25.20	-2.20	23.00	0.200	33.01	-10.01
1882.50	10	QPSK	1 / 0	25.32	-2.20	23.12	0.205	33.01	-9.89
1910.00	10	QPSK	1 / 0	25.28	-2.20	23.08	0.203	33.01	-9.93
1882.50	10	16-QAM	1 / 25	24.60	-2.20	22.40	0.174	33.01	-10.61
1910.00	10	64-QAM	1 / 0	23.94	-2.20	21.74	0.149	33.01	-11.27
1857.50	15	QPSK	1 / 36	25.19	-2.20	22.99	0.199	33.01	-10.02
1882.50	15	QPSK	1 / 0	25.29	-2.20	23.09	0.204	33.01	-9.92
1907.50	15	QPSK	1 / 0	25.35	-2.20	23.15	0.207	33.01	-9.86
1907.50	15	16-QAM	1 / 0	24.56	-2.20	22.36	0.172	33.01	-10.65
1907.50	15	64-QAM	1 / 0	23.97	-2.20	21.77	0.150	33.01	-11.24
1860.00	20	QPSK	1 / 99	25.14	-2.20	22.94	0.197	33.01	-10.07
1882.50	20	QPSK	1 / 0	25.42	-2.20	23.22	0.210	33.01	-9.79
1905.00	20	QPSK	1 / 0	25.36	-2.20	23.16	0.207	33.01	-9.85
1905.00	20	16-QAM	1 / 0	24.62	-2.20	22.42	0.175	33.01	-10.59
1860.00	20	64-QAM	1 / 99	23.95	-2.20	21.75	0.150	33.01	-11.26

Table 7-28. EIRP Data (Band 25)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 24	23.39	-0.10	23.29	0.213	23.98	-0.69
2310.00	5	QPSK	1 / 12	23.23	-0.10	23.13	0.205	23.98	-0.85
2312.50	5	QPSK	1 / 24	23.38	-0.10	23.28	0.213	23.98	-0.70
2307.50	5	16-QAM	1 / 0	22.72	-0.10	22.62	0.183	23.98	-1.36
2312.50	5	64-QAM	1 / 24	21.74	-0.10	21.64	0.146	23.98	-2.34
2310.00	10	QPSK	1 / 0	23.32	-0.10	23.22	0.210	23.98	-0.76
2310.00	10	16-QAM	1 / 49	22.68	-0.10	22.58	0.181	23.98	-1.40
2310.00	10	64-QAM	1 / 49	21.63	-0.10	21.53	0.142	23.98	-2.45

Table 7-29. EIRP Data (Band 30)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 24	25.50	-0.10	25.40	0.347	33.01	-7.61
2535.00	5	QPSK	1 / 24	25.34	0.10	25.44	0.350	33.01	-7.57
2567.50	5	QPSK	1 / 24	25.26	0.10	25.36	0.343	33.01	-7.65
2567.50	5	16-QAM	1 / 0	24.50	0.10	24.60	0.289	33.01	-8.41
2567.50	5	64-QAM	1 / 24	23.44	0.10	23.54	0.226	33.01	-9.47
2505.00	10	QPSK	1 / 0	25.46	-0.10	25.36	0.344	33.01	-7.65
2535.00	10	QPSK	1 / 0	25.38	0.10	25.48	0.353	33.01	-7.53
2565.00	10	QPSK	1 / 0	25.28	0.10	25.38	0.345	33.01	-7.63
2565.00	10	16-QAM	1 / 0	24.56	0.10	24.66	0.292	33.01	-8.35
2535.00	10	64-QAM	1 / 25	23.57	0.10	23.67	0.233	33.01	-9.34
2507.50	15	QPSK	1 / 36	25.45	-0.10	25.35	0.342	33.01	-7.66
2535.00	15	QPSK	1 / 36	25.39	0.10	25.49	0.354	33.01	-7.52
2562.50	15	QPSK	1 / 0	25.31	0.10	25.41	0.347	33.01	-7.60
2535.00	15	16-QAM	1 / 36	24.59	0.10	24.69	0.294	33.01	-8.32
2562.50	15	64-QAM	1 / 36	23.45	0.10	23.55	0.226	33.01	-9.46
2510.00	20	QPSK	1 / 0	25.44	-0.10	25.34	0.342	33.01	-7.67
2535.00	20	QPSK	1 / 50	25.43	0.10	25.53	0.357	33.01	-7.48
2560.00	20	QPSK	1 / 0	25.37	0.10	25.47	0.352	33.01	-7.54
2535.00	20	16-QAM	1 / 0	24.68	0.10	24.78	0.300	33.01	-8.23
2510.00	20	64-QAM	1 / 50	23.46	-0.10	23.36	0.217	33.01	-9.65

Table 7-30. EIRP Data (Band 7)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 0	27.00	-0.10	26.90	0.490	33.01	-6.11
2593.00	5	QPSK	1 / 24	26.65	0.10	26.75	0.473	33.01	-6.26
2687.50	5	QPSK	1 / 0	26.89	0.10	26.99	0.500	33.01	-6.02
2498.50	5	16-QAM	1 / 0	26.63	-0.10	26.53	0.450	33.01	-6.48
2498.50	5	64-QAM	1 / 24	25.29	-0.10	25.19	0.330	33.01	-7.82
2501.00	10	QPSK	1 / 0	27.00	-0.10	26.90	0.490	33.01	-6.11
2593.00	10	QPSK	1 / 0	26.67	0.10	26.77	0.475	33.01	-6.24
2685.00	10	QPSK	1 / 0	26.82	0.10	26.92	0.492	33.01	-6.09
2501.00	10	16-QAM	1 / 0	26.61	-0.10	26.51	0.448	33.01	-6.50
2501.00	10	64-QAM	1 / 49	25.24	-0.10	25.14	0.327	33.01	-7.87
2503.50	15	QPSK	1 / 0	26.97	-0.10	26.87	0.486	33.01	-6.14
2593.00	15	QPSK	1 / 36	26.64	0.10	26.74	0.472	33.01	-6.27
2682.50	15	QPSK	1 / 36	26.84	0.10	26.94	0.494	33.01	-6.07
2503.50	15	16-QAM	1 / 0	26.72	-0.10	26.62	0.459	33.01	-6.39
2503.50	15	64-QAM	1 / 36	25.16	-0.10	25.06	0.321	33.01	-7.95
2506.00	20	QPSK	1 / 0	27.00	-0.10	26.90	0.490	33.01	-6.11
2593.00	20	QPSK	1 / 99	26.74	0.10	26.84	0.483	33.01	-6.17
2680.00	20	QPSK	1 / 0	26.79	0.10	26.89	0.489	33.01	-6.12
2506.00	20	16-QAM	1 / 0	26.86	-0.10	26.76	0.474	33.01	-6.25
2593.00	20	64-QAM	1 / 99	24.98	0.10	25.08	0.322	33.01	-7.93

Table 7-31. EIRP Data (Band 41)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

7.7.2 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 / 12	23.54	-4.10	17.29	0.054	34.77	-17.48
680.50	5	QPSK	1 / 0	23.48	-4.10	17.23	0.053	34.77	-17.54
695.50	5	QPSK	1 / 24	23.57	-4.10	17.32	0.054	34.77	-17.45
680.50	5	16-QAM	1 / 0	23.01	-4.10	16.76	0.047	34.77	-18.01
665.50	5	64-QAM	1 / 0	22.15	-4.10	15.90	0.039	34.77	-18.87
668.00	10	QPSK	1 / 25	23.56	-4.10	17.31	0.054	34.77	-17.46
680.50	10	QPSK	1 / 0	23.63	-4.10	17.38	0.055	34.77	-17.40
693.00	10	QPSK	1 / 0	23.63	-4.10	17.38	0.055	34.77	-17.39
693.00	10	16-QAM	1 / 0	23.02	-4.10	16.77	0.048	34.77	-18.00
668.00	10	64-QAM	1 / 49	22.27	-4.10	16.02	0.040	34.77	-18.75
670.50	15	QPSK	1 / 36	23.62	-4.10	17.37	0.055	34.77	-17.40
680.50	15	QPSK	1 / 74	23.58	-4.10	17.33	0.054	34.77	-17.45
690.50	15	QPSK	1 / 36	23.55	-4.10	17.30	0.054	34.77	-17.47
670.50	15	16-QAM	1 / 36	22.96	-4.10	16.71	0.047	34.77	-18.06
670.50	15	64-QAM	1 / 74	22.25	-4.10	16.00	0.040	34.77	-18.77
673.00	20	QPSK	1 / 99	23.56	-4.10	17.31	0.054	34.77	-17.46
680.50	20	QPSK	1 / 50	23.71	-4.10	17.46	0.056	34.77	-17.32
688.00	20	QPSK	1 / 50	23.65	-4.10	17.40	0.055	34.77	-17.37
673.00	20	16-QAM	1 / 50	23.13	-4.10	16.88	0.049	34.77	-17.89
673.00	20	64-QAM	1 / 99	22.25	-4.10	16.00	0.040	34.77	-18.77

Table 7-32. ERP Data (Band 71)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	23.59	-4.10	17.34	0.054	34.77	-17.43	19.49	0.089	36.99	-17.50
707.50	1.4	QPSK	3 / 0	23.46	-4.10	17.21	0.053	34.77	-17.56	19.36	0.086	36.99	-17.63
715.30	1.4	QPSK	1 / 5	23.52	-4.10	17.27	0.053	34.77	-17.50	19.42	0.087	36.99	-17.57
699.70	1.4	16-QAM	1 / 0	23.00	-4.10	16.75	0.047	34.77	-18.02	18.90	0.078	36.99	-18.09
715.30	1.4	64-QAM	1 / 5	22.03	-4.10	15.78	0.038	34.77	-18.99	17.93	0.062	36.99	-19.06
700.50	3	QPSK	1 / 7	23.47	-4.10	17.22	0.053	34.77	-17.55	19.37	0.087	36.99	-17.62
707.50	3	QPSK	1 / 7	23.42	-4.10	17.17	0.052	34.77	-17.60	19.32	0.086	36.99	-17.67
714.50	3	QPSK	1 / 7	23.43	-4.10	17.18	0.052	34.77	-17.59	19.33	0.086	36.99	-17.65
714.50	3	16-QAM	1 / 7	22.93	-4.10	16.68	0.047	34.77	-18.09	18.83	0.076	36.99	-18.15
707.50	3	64-QAM	1 / 7	21.88	-4.10	15.63	0.037	34.77	-19.14	17.78	0.060	36.99	-19.21
701.50	5	QPSK	1 / 24	23.74	-4.10	17.49	0.056	34.77	-17.28	19.64	0.092	36.99	-17.35
707.50	5	QPSK	1 / 24	23.61	-4.10	17.36	0.055	34.77	-17.41	19.51	0.089	36.99	-17.48
713.50	5	QPSK	1 / 24	23.75	-4.10	17.50	0.056	34.77	-17.27	19.65	0.092	36.99	-17.34
707.50	5	16-QAM	1 / 24	23.08	-4.10	16.83	0.048	34.77	-17.94	18.98	0.079	36.99	-18.01
701.50	5	64-QAM	1 / 0	22.10	-4.10	15.85	0.038	34.77	-18.92	18.00	0.063	36.99	-18.99
704.00	10	QPSK	1 / 0	23.65	-4.10	17.40	0.055	34.77	-17.38	19.55	0.090	36.99	-17.44
707.50	10	QPSK	1 / 0	23.63	-4.10	17.38	0.055	34.77	-17.39	19.53	0.090	36.99	-17.46
711.00	10	QPSK	1 / 0	23.68	-4.10	17.43	0.055	34.77	-17.34	19.58	0.091	36.99	-17.40
711.00	10	16-QAM	1 / 0	23.02	-4.10	16.77	0.048	34.77	-18.00	18.92	0.078	36.99	-18.07
704.00	10	64-QAM	1 / 49	22.09	-4.10	15.84	0.038	34.77	-18.93	17.99	0.063	36.99	-19.00

Table 7-33. ERP Data (Band 12)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
706.50	5	QPSK	1 / 24	23.65	-4.10	17.40	0.055	34.77	-17.37	19.55	0.090	36.99	-17.44
710.00	5	QPSK	1 / 12	23.62	-4.10	17.37	0.055	34.77	-17.40	19.52	0.090	36.99	-17.47
713.50	5	QPSK	1 / 24	23.75	-4.10	17.50	0.056	34.77	-17.27	19.65	0.092	36.99	-17.34
710.00	5	16-QAM	1 / 0	23.04	-4.10	16.79	0.048	34.77	-17.98	18.94	0.078	36.99	-18.05
706.50	5	64-QAM	1 / 24	22.06	-4.10	15.81	0.038	34.77	-18.96	17.96	0.063	36.99	-19.03
710.00	10	QPSK	1 / 0	23.65	-4.10	17.40	0.055	34.77	-17.37	19.55	0.090	36.99	-17.44
710.00	10	16-QAM	1 / 25	22.91	-4.10	16.66	0.046	34.77	-18.11	18.81	0.076	36.99	-18.18
710.00	10	64-QAM	1 / 49	21.88	-4.10	15.63	0.037	34.77	-19.14	17.78	0.060	36.99	-19.21

Table 7-34. ERP Data (Band 17)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)							Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device						Page 274 of 389

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	23.73	-4.10	17.48	0.056	34.77	-17.29	19.63	0.092	36.99	-17.36
782.00	5	QPSK	1 / 0	23.55	-4.10	17.30	0.054	34.77	-17.47	19.45	0.088	36.99	-17.54
784.50	5	QPSK	1 / 0	23.59	-4.10	17.34	0.054	34.77	-17.43	19.49	0.089	36.99	-17.50
779.50	5	16-QAM	1 / 0	23.14	-4.10	16.89	0.049	34.77	-17.88	19.04	0.080	36.99	-17.95
779.50	5	64-QAM	1 / 0	22.29	-4.10	16.04	0.040	34.77	-18.73	18.19	0.066	36.99	-18.80
782.00	10	QPSK	1 / 0	23.65	-4.10	17.40	0.055	34.77	-17.37	19.55	0.090	36.99	-17.44
782.00	10	16-QAM	1 / 25	22.91	-4.10	16.66	0.046	34.77	-18.11	18.81	0.076	36.99	-18.18
782.00	10	64-QAM	1 / 49	21.88	-4.10	15.63	0.037	34.77	-19.14	17.78	0.060	36.99	-19.21

Table 7-35. ERP Data (Band 13)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	3 / 2	23.61	-3.20	18.26	0.067	38.45	-20.19	20.41	0.110	40.61	-20.20
836.50	1.4	QPSK	1 / 0	23.45	-3.20	18.10	0.065	38.45	-20.35	20.25	0.106	40.61	-20.36
848.30	1.4	QPSK	3 / 2	23.54	-3.20	18.19	0.066	38.45	-20.26	20.34	0.108	40.61	-20.26
848.30	1.4	16-QAM	1 / 0	23.03	-3.20	17.68	0.059	38.45	-20.77	19.83	0.096	40.61	-20.77
848.30	1.4	64-QAM	1 / 0	22.16	-3.20	16.81	0.048	38.45	-21.64	18.96	0.079	40.61	-21.65
825.50	3	QPSK	1 / 0	23.57	-3.20	18.22	0.066	38.45	-20.23	20.37	0.109	40.61	-20.23
836.50	3	QPSK	1 / 14	23.41	-3.20	18.06	0.064	38.45	-20.39	20.21	0.105	40.61	-20.40
847.50	3	QPSK	1 / 7	23.44	-3.20	18.09	0.064	38.45	-20.36	20.24	0.106	40.61	-20.36
847.50	3	16-QAM	1 / 7	23.04	-3.20	17.69	0.059	38.45	-20.76	19.84	0.096	40.61	-20.76
836.50	3	64-QAM	1 / 14	22.03	-3.20	16.68	0.047	38.45	-21.77	18.83	0.076	40.61	-21.78
826.50	5	QPSK	1 / 0	23.66	-3.20	18.31	0.068	38.45	-20.14	20.46	0.111	40.61	-20.15
836.50	5	QPSK	1 / 24	23.53	-3.20	18.18	0.066	38.45	-20.27	20.33	0.108	40.61	-20.28
846.50	5	QPSK	1 / 12	23.75	-3.20	18.40	0.069	38.45	-20.05	20.55	0.114	40.61	-20.06
836.50	5	16-QAM	1 / 0	23.03	-3.20	17.68	0.059	38.45	-20.78	19.83	0.096	40.61	-20.78
846.50	5	64-QAM	1 / 0	22.11	-3.20	16.76	0.047	38.45	-21.69	18.91	0.078	40.61	-21.70
829.00	10	QPSK	1 / 0	23.66	-3.20	18.31	0.068	38.45	-20.14	20.46	0.111	40.61	-20.15
836.50	10	QPSK	1 / 49	23.75	-3.20	18.40	0.069	38.45	-20.05	20.55	0.113	40.61	-20.06
844.00	10	QPSK	1 / 0	23.71	-3.20	18.36	0.068	38.45	-20.10	20.51	0.112	40.61	-20.10
844.00	10	16-QAM	1 / 25	23.08	-3.20	17.73	0.059	38.45	-20.72	19.88	0.097	40.61	-20.73
844.00	10	64-QAM	1 / 49	22.02	-3.20	16.67	0.046	38.45	-21.78	18.82	0.076	40.61	-21.79

Table 7-36. ERP Data (Band 5)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)							Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device						Page 275 of 389

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	23.75	-3.20	18.40	0.069	38.45	-20.05	20.55	0.113	40.61	-20.06
836.50	1.4	QPSK	3 / 3	23.53	-3.20	18.18	0.066	38.45	-20.27	20.33	0.108	40.61	-20.28
848.30	1.4	QPSK	3 / 3	23.49	-3.20	18.14	0.065	38.45	-20.31	20.29	0.107	40.61	-20.32
824.70	1.4	16-QAM	1 / 0	23.06	-3.20	17.71	0.059	38.45	-20.74	19.86	0.097	40.61	-20.75
824.70	1.4	64-QAM	1 / 2	22.04	-3.20	16.69	0.047	38.45	-21.76	18.84	0.077	40.61	-21.77
825.50	3	QPSK	1 / 0	23.75	-3.20	18.40	0.069	38.45	-20.05	20.55	0.113	40.61	-20.06
836.50	3	QPSK	1 / 7	23.43	-3.20	18.08	0.064	38.45	-20.37	20.23	0.105	40.61	-20.38
847.50	3	QPSK	1 / 7	23.44	-3.20	18.09	0.064	38.45	-20.36	20.24	0.106	40.61	-20.37
847.50	3	16-QAM	1 / 7	23.19	-3.20	17.84	0.061	38.45	-20.61	19.99	0.100	40.61	-20.62
825.50	3	64-QAM	1 / 0	22.17	-3.20	16.82	0.048	38.45	-21.63	18.97	0.079	40.61	-21.64
826.50	5	QPSK	1 / 24	23.75	-3.20	18.40	0.069	38.45	-20.05	20.55	0.113	40.61	-20.06
836.50	5	QPSK	1 / 0	23.62	-3.20	18.27	0.067	38.45	-20.18	20.42	0.110	40.61	-20.19
846.50	5	QPSK	1 / 12	23.75	-3.20	18.40	0.069	38.45	-20.05	20.55	0.114	40.61	-20.05
826.50	5	16-QAM	1 / 12	23.08	-3.20	17.73	0.059	38.45	-20.72	19.88	0.097	40.61	-20.72
826.50	5	64-QAM	1 / 0	22.22	-3.20	16.87	0.049	38.45	-21.58	19.02	0.080	40.61	-21.59
829.00	10	QPSK	1 / 49	23.61	-3.20	18.26	0.067	38.45	-20.19	20.41	0.110	40.61	-20.19
836.50	10	QPSK	1 / 0	23.75	-3.20	18.40	0.069	38.45	-20.05	20.55	0.114	40.61	-20.06
844.00	10	QPSK	1 / 0	23.70	-3.20	18.35	0.068	38.45	-20.10	20.50	0.112	40.61	-20.10
836.50	10	16-QAM	1 / 0	23.26	-3.20	17.91	0.062	38.45	-20.54	20.06	0.101	40.61	-20.55
844.00	10	64-QAM	1 / 49	22.12	-3.20	16.77	0.048	38.45	-21.68	18.92	0.078	40.61	-21.69

Table 7-37. ERP Data (Band 26)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device					Page 276 of 389

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	3 / 2	22.53	-3.80	18.73	0.075	30.00	-11.27
1732.50	1.4	QPSK	3 / 0	22.39	-3.80	18.59	0.072	30.00	-11.41
1754.30	1.4	QPSK	1 / 0	22.34	-3.80	18.54	0.071	30.00	-11.46
1710.70	1.4	16-QAM	1 / 0	21.88	-3.80	18.08	0.064	30.00	-11.92
1732.50	1.4	64-QAM	1 / 5	20.84	-3.80	17.04	0.051	30.00	-12.96
1711.50	3	QPSK	1 / 7	22.42	-3.80	18.62	0.073	30.00	-11.38
1732.50	3	QPSK	1 / 7	22.32	-3.80	18.52	0.071	30.00	-11.48
1753.50	3	QPSK	1 / 7	22.30	-3.80	18.50	0.071	30.00	-11.50
1753.50	3	16-QAM	1 / 7	21.89	-3.80	18.09	0.064	30.00	-11.91
1732.50	3	64-QAM	1 / 14	20.77	-3.80	16.97	0.050	30.00	-13.03
1712.50	5	QPSK	1 / 24	22.54	-3.80	18.74	0.075	30.00	-11.26
1732.50	5	QPSK	1 / 24	22.30	-3.80	18.50	0.071	30.00	-11.50
1752.50	5	QPSK	1 / 0	22.47	-3.80	18.67	0.074	30.00	-11.33
1752.50	5	16-QAM	1 / 0	21.79	-3.80	17.99	0.063	30.00	-12.01
1712.50	5	64-QAM	1 / 24	21.03	-3.80	17.23	0.053	30.00	-12.77
1715.00	10	QPSK	1 / 25	22.49	-3.80	18.69	0.074	30.00	-11.31
1732.50	10	QPSK	1 / 49	22.47	-3.80	18.67	0.074	30.00	-11.33
1750.00	10	QPSK	1 / 0	22.50	-3.80	18.70	0.074	30.00	-11.30
1732.50	10	16-QAM	1 / 49	21.78	-3.80	17.98	0.063	30.00	-12.02
1715.00	10	64-QAM	1 / 49	21.05	-3.80	17.25	0.053	30.00	-12.75
1717.50	15	QPSK	1 / 36	22.50	-3.80	18.70	0.074	30.00	-11.30
1732.50	15	QPSK	1 / 74	22.46	-3.80	18.66	0.073	30.00	-11.34
1747.50	15	QPSK	1 / 0	22.48	-3.80	18.68	0.074	30.00	-11.32
1747.50	15	16-QAM	1 / 36	21.79	-3.80	17.99	0.063	30.00	-12.01
1747.50	15	64-QAM	1 / 74	20.98	-3.80	17.18	0.052	30.00	-12.82
1720.00	20	QPSK	1 / 0	22.41	-3.80	18.61	0.073	30.00	-11.39
1732.50	20	QPSK	1 / 99	22.49	-3.80	18.69	0.074	30.00	-11.31
1745.00	20	QPSK	1 / 0	22.45	-3.80	18.65	0.073	30.00	-11.35
1745.00	20	16-QAM	1 / 0	21.78	-3.80	17.98	0.063	30.00	-12.02
1732.50	20	64-QAM	1 / 99	20.98	-3.80	17.18	0.052	30.00	-12.82

Table 7-38. EIRP Data (Band 4)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				Page 277 of 389

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	22.49	-3.80	18.69	0.074	30.00	-11.31
1745.00	1.4	QPSK	1 / 0	22.29	-3.80	18.49	0.071	30.00	-11.51
1779.30	1.4	QPSK	1 / 0	22.22	-3.80	18.42	0.070	30.00	-11.58
1745.00	1.4	16-QAM	1 / 2	21.84	-3.80	18.04	0.064	30.00	-11.96
1745.00	1.4	64-QAM	1 / 2	20.92	-3.80	17.12	0.052	30.00	-12.88
1711.50	3	QPSK	1 / 7	22.20	-3.80	18.40	0.069	30.00	-11.60
1745.00	3	QPSK	1 / 0	22.12	-3.80	18.32	0.068	30.00	-11.68
1778.50	3	QPSK	1 / 0	22.21	-3.80	18.41	0.069	30.00	-11.59
1745.00	3	16-QAM	1 / 0	21.77	-3.80	17.97	0.063	30.00	-12.03
1778.50	3	64-QAM	1 / 0	20.79	-3.80	16.99	0.050	30.00	-13.01
1712.50	5	QPSK	1 / 0	22.44	-3.80	18.64	0.073	30.00	-11.36
1745.00	5	QPSK	1 / 0	22.36	-3.80	18.56	0.072	30.00	-11.44
1777.50	5	QPSK	1 / 0	22.50	-3.80	18.70	0.074	30.00	-11.30
1745.00	5	16-QAM	1 / 0	21.81	-3.80	18.01	0.063	30.00	-11.99
1745.00	5	64-QAM	1 / 24	21.03	-3.80	17.23	0.053	30.00	-12.77
1715.00	10	QPSK	1 / 0	22.31	-3.80	18.51	0.071	30.00	-11.49
1745.00	10	QPSK	1 / 0	22.31	-3.80	18.51	0.071	30.00	-11.49
1775.00	10	QPSK	1 / 0	22.35	-3.80	18.55	0.072	30.00	-11.45
1775.00	10	16-QAM	1 / 49	21.83	-3.80	18.03	0.064	30.00	-11.97
1715.00	10	64-QAM	1 / 0	21.02	-3.80	17.22	0.053	30.00	-12.78
1717.50	15	QPSK	1 / 36	22.31	-3.80	18.51	0.071	30.00	-11.49
1745.00	15	QPSK	1 / 36	22.34	-3.80	18.54	0.071	30.00	-11.46
1772.50	15	QPSK	1 / 36	22.32	-3.80	18.52	0.071	30.00	-11.48
1745.00	15	16-QAM	1 / 36	21.78	-3.80	17.98	0.063	30.00	-12.02
1745.00	15	64-QAM	1 / 74	21.00	-3.80	17.20	0.052	30.00	-12.80
1720.00	20	QPSK	1 / 0	22.31	-3.80	18.51	0.071	30.00	-11.49
1745.00	20	QPSK	1 / 0	22.36	-3.80	18.56	0.072	30.00	-11.44
1770.00	20	QPSK	1 / 50	22.29	-3.80	18.49	0.071	30.00	-11.51
1770.00	20	16-QAM	1 / 99	21.82	-3.80	18.02	0.063	30.00	-11.98
1770.00	20	64-QAM	1 / 0	20.92	-3.80	17.12	0.052	30.00	-12.88

Table 7-39. EIRP Data (Band 66)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	22.24	-2.40	19.84	0.096	33.01	-13.17
1880.00	1.4	QPSK	1 / 0	22.17	-2.40	19.77	0.095	33.01	-13.24
1909.30	1.4	QPSK	3 / 2	22.20	-2.40	19.80	0.095	33.01	-13.21
1909.30	1.4	16-QAM	1 / 5	21.68	-2.40	19.28	0.085	33.01	-13.73
1850.70	1.4	64-QAM	1 / 5	21.02	-2.40	18.62	0.073	33.01	-14.39
1851.50	3	QPSK	1 / 7	22.27	-2.40	19.87	0.097	33.01	-13.14
1880.00	3	QPSK	1 / 7	22.17	-2.40	19.77	0.095	33.01	-13.24
1908.50	3	QPSK	1 / 7	22.17	-2.40	19.77	0.095	33.01	-13.24
1908.50	3	16-QAM	1 / 7	21.65	-2.40	19.25	0.084	33.01	-13.76
1880.00	3	64-QAM	1 / 7	20.88	-2.40	18.48	0.070	33.01	-14.53
1852.50	5	QPSK	1 / 24	22.56	-2.40	20.16	0.104	33.01	-12.85
1880.00	5	QPSK	1 / 0	22.31	-2.40	19.91	0.098	33.01	-13.10
1907.50	5	QPSK	1 / 0	22.46	-2.40	20.06	0.101	33.01	-12.95
1907.50	5	16-QAM	1 / 0	21.87	-2.40	19.47	0.088	33.01	-13.54
1852.50	5	64-QAM	1 / 24	21.20	-2.40	18.80	0.076	33.01	-14.21
1855.00	10	QPSK	1 / 25	22.41	-2.40	20.01	0.100	33.01	-13.00
1880.00	10	QPSK	1 / 49	22.37	-2.40	19.97	0.099	33.01	-13.04
1905.00	10	QPSK	1 / 0	22.53	-2.40	20.13	0.103	33.01	-12.88
1905.00	10	16-QAM	1 / 0	21.88	-2.40	19.48	0.089	33.01	-13.53
1855.00	10	64-QAM	1 / 49	21.12	-2.40	18.72	0.074	33.01	-14.29
1857.50	15	QPSK	1 / 0	22.37	-2.40	19.97	0.099	33.01	-13.04
1880.00	15	QPSK	1 / 0	22.38	-2.40	19.98	0.099	33.01	-13.03
1902.50	15	QPSK	1 / 36	22.39	-2.40	19.99	0.100	33.01	-13.03
1857.50	15	16-QAM	1 / 0	21.66	-2.40	19.26	0.084	33.01	-13.75
1857.50	15	64-QAM	1 / 36	21.10	-2.40	18.70	0.074	33.01	-14.31
1860.00	20	QPSK	1 / 0	22.28	-2.40	19.88	0.097	33.01	-13.13
1880.00	20	QPSK	1 / 0	22.40	-2.40	20.00	0.100	33.01	-13.01
1900.00	20	QPSK	1 / 50	22.43	-2.40	20.03	0.101	33.01	-12.98
1860.00	20	16-QAM	1 / 0	21.88	-2.40	19.48	0.089	33.01	-13.53
1860.00	20	64-QAM	1 / 0	21.01	-2.40	18.61	0.073	33.01	-14.40

Table 7-40. EIRP Data (Band 2)

FCC ID: BCGA2014	 PCTEST [®] ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	22.50	-2.40	20.10	0.102	33.01	-12.91
1882.50	1.4	QPSK	1 / 0	22.38	-2.40	19.98	0.099	33.01	-13.03
1914.30	1.4	QPSK	3 / 0	22.35	-2.40	19.95	0.099	33.01	-13.06
1882.50	1.4	16-QAM	1 / 2	21.92	-2.40	19.52	0.089	33.01	-13.49
1850.70	1.4	64-QAM	1 / 0	21.00	-2.40	18.60	0.072	33.01	-14.41
1851.50	3	QPSK	1 / 7	22.46	-2.40	20.06	0.101	33.01	-12.95
1882.50	3	QPSK	1 / 7	22.32	-2.40	19.92	0.098	33.01	-13.09
1913.50	3	QPSK	1 / 0	22.29	-2.40	19.89	0.098	33.01	-13.12
1882.50	3	16-QAM	1 / 7	21.97	-2.40	19.57	0.091	33.01	-13.44
1913.50	3	64-QAM	1 / 7	21.00	-2.40	18.60	0.072	33.01	-14.41
1852.50	5	QPSK	1 / 24	22.50	-2.40	20.10	0.102	33.01	-12.91
1882.50	5	QPSK	1 / 0	22.25	-2.40	19.85	0.097	33.01	-13.16
1912.50	5	QPSK	1 / 12	22.47	-2.40	20.07	0.102	33.01	-12.94
1852.50	5	16-QAM	1 / 12	21.78	-2.40	19.38	0.087	33.01	-13.63
1912.50	5	64-QAM	1 / 24	21.10	-2.40	18.70	0.074	33.01	-14.31
1855.00	10	QPSK	1 / 25	22.46	-2.40	20.06	0.101	33.01	-12.95
1882.50	10	QPSK	1 / 0	22.40	-2.40	20.00	0.100	33.01	-13.01
1910.00	10	QPSK	1 / 0	22.40	-2.40	20.00	0.100	33.01	-13.01
1855.00	10	16-QAM	1 / 49	21.75	-2.40	19.35	0.086	33.01	-13.66
1882.50	10	64-QAM	1 / 49	21.06	-2.40	18.66	0.073	33.01	-14.35
1857.50	15	QPSK	1 / 0	22.50	-2.40	20.10	0.102	33.01	-12.91
1882.50	15	QPSK	1 / 0	22.37	-2.40	19.97	0.099	33.01	-13.04
1907.50	15	QPSK	1 / 0	22.49	-2.40	20.09	0.102	33.01	-12.92
1907.50	15	16-QAM	1 / 0	21.76	-2.40	19.36	0.086	33.01	-13.65
1907.50	15	64-QAM	1 / 0	21.16	-2.40	18.76	0.075	33.01	-14.25
1860.00	20	QPSK	1 / 0	22.36	-2.40	19.96	0.099	33.01	-13.05
1882.50	20	QPSK	1 / 0	22.46	-2.40	20.06	0.101	33.01	-12.95
1905.00	20	QPSK	1 / 50	22.43	-2.40	20.03	0.101	33.01	-12.98
1905.00	20	16-QAM	1 / 50	21.80	-2.40	19.40	0.087	33.01	-13.61
1882.50	20	64-QAM	1 / 99	21.06	-2.40	18.66	0.073	33.01	-14.35

Table 7-41. EIRP Data (Band 25)

FCC ID: BCGA2014	 PCTEST [®] ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 12	22.25	-0.60	21.65	0.146	23.98	-2.33
2310.00	5	QPSK	1 / 0	22.20	-0.60	21.60	0.144	23.98	-2.38
2312.50	5	QPSK	1 / 0	22.30	-0.60	21.70	0.148	23.98	-2.28
2312.50	5	16-QAM	1 / 24	21.64	-0.60	21.04	0.127	23.98	-2.94
2312.50	5	64-QAM	1 / 0	20.94	-0.60	20.34	0.108	23.98	-3.64
2310.00	10	16-QAM	1 / 0	21.57	-0.60	20.97	0.125	23.98	-3.01
2310.00	10	64-QAM	1 / 0	20.90	-0.60	20.30	0.107	23.98	-3.68

Table 7-42. EIRP Data (Band 30)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device		

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	22.24	-0.60	21.64	0.146	33.01	-11.37
2535.00	5	QPSK	1 / 24	22.16	-1.00	21.16	0.131	33.01	-11.85
2567.50	5	QPSK	1 / 0	22.19	-1.00	21.19	0.131	33.01	-11.82
2502.50	5	16-QAM	1 / 24	21.45	-0.60	20.85	0.122	33.01	-12.16
2502.50	5	64-QAM	1 / 24	20.82	-0.60	20.22	0.105	33.01	-12.79
2505.00	10	QPSK	1 / 25	22.17	-0.60	21.57	0.144	33.01	-11.44
2535.00	10	QPSK	1 / 0	22.18	-1.00	21.18	0.131	33.01	-11.83
2565.00	10	QPSK	1 / 0	22.25	-1.00	21.25	0.133	33.01	-11.76
2505.00	10	16-QAM	1 / 25	21.42	-0.60	20.82	0.121	33.01	-12.19
2505.00	10	64-QAM	1 / 25	20.82	-0.60	20.22	0.105	33.01	-12.79
2507.50	15	QPSK	1 / 36	22.18	-0.60	21.58	0.144	33.01	-11.43
2535.00	15	QPSK	1 / 36	22.20	-1.00	21.20	0.132	33.01	-11.81
2562.50	15	QPSK	1 / 36	22.22	-1.00	21.22	0.133	33.01	-11.79
2507.50	15	16-QAM	1 / 36	21.45	-0.60	20.85	0.122	33.01	-12.16
2507.50	15	64-QAM	1 / 36	20.73	-0.60	20.13	0.103	33.01	-12.88
2510.00	20	QPSK	1 / 0	22.07	-0.60	21.47	0.140	33.01	-11.54
2535.00	20	QPSK	1 / 50	22.23	-1.00	21.23	0.133	33.01	-11.78
2560.00	20	QPSK	1 / 50	22.24	-1.00	21.24	0.133	33.01	-11.77
2510.00	20	16-QAM	1 / 0	21.55	-0.60	20.95	0.124	33.01	-12.06
2510.00	20	64-QAM	1 / 50	20.87	-0.60	20.27	0.106	33.01	-12.74

Table 7-43. EIRP Data (Band 7)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	23.74	-0.60	23.14	0.206	33.01	-9.87
2593.00	5	QPSK	1 / 24	23.64	-1.00	22.64	0.184	33.01	-10.37
2687.50	5	QPSK	1 / 0	23.75	-1.00	22.75	0.188	33.01	-10.26
2498.50	5	16-QAM	1 / 24	22.99	-0.60	21.99	0.158	33.01	-11.02
2593.00	5	64-QAM	1 / 24	22.41	-1.00	21.41	0.138	33.01	-11.60
2501.00	10	QPSK	1 / 0	23.74	-0.60	23.14	0.206	33.01	-9.87
2593.00	10	QPSK	1 / 0	23.69	-1.00	22.69	0.186	33.01	-10.33
2685.00	10	QPSK	1 / 0	23.71	-1.00	22.71	0.187	33.01	-10.30
2593.00	10	16-QAM	1 / 49	23.12	-1.00	22.12	0.163	33.01	-10.89
2501.00	10	64-QAM	1 / 49	22.35	-0.60	21.35	0.136	33.01	-11.66
2503.50	15	QPSK	1 / 74	23.73	-0.60	23.13	0.206	33.01	-9.88
2593.00	15	QPSK	1 / 74	23.66	-1.00	22.66	0.185	33.01	-10.35
2682.50	15	QPSK	1 / 36	23.70	-1.00	22.70	0.186	33.01	-10.31
2682.50	15	16-QAM	1 / 36	23.11	-1.00	22.11	0.163	33.01	-10.90
2593.00	15	64-QAM	1 / 74	22.33	-1.00	21.33	0.136	33.01	-11.68
2506.00	20	QPSK	1 / 0	23.75	-0.60	23.15	0.207	33.01	-9.86
2593.00	20	QPSK	1 / 0	23.75	-1.00	22.75	0.188	33.01	-10.26
2680.00	20	QPSK	1 / 0	23.69	-1.00	22.69	0.186	33.01	-10.32
2506.00	20	16-QAM	1 / 0	23.29	-0.60	22.69	0.186	33.01	-10.32
2593.00	20	64-QAM	1 / 99	22.43	-1.00	21.43	0.139	33.01	-11.58

Table 7-44. EIRP Data (Band 41)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

7.7.3 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	3 / 0	24.31	-2.70	21.61	0.145	30.00	-8.39
1732.50	1.4	QPSK	3 / 3	24.24	-2.70	21.54	0.143	30.00	-8.46
1754.30	1.4	QPSK	3 / 2	24.20	-2.70	21.50	0.141	30.00	-8.50
1732.50	1.4	16-QAM	1 / 5	23.79	-2.70	21.09	0.128	30.00	-8.91
1754.30	1.4	64-QAM	1 / 0	21.69	-2.70	18.99	0.079	30.00	-11.01
1711.50	3	QPSK	1 / 7	24.31	-2.70	21.61	0.145	30.00	-8.39
1732.50	3	QPSK	1 / 7	24.13	-2.70	21.43	0.139	30.00	-8.57
1753.50	3	QPSK	1 / 7	23.99	-2.70	21.29	0.135	30.00	-8.71
1753.50	3	16-QAM	1 / 7	23.71	-2.70	21.01	0.126	30.00	-8.99
1753.50	3	64-QAM	1 / 7	21.31	-2.70	18.61	0.073	30.00	-11.39
1712.50	5	QPSK	1 / 0	24.42	-2.70	21.72	0.149	30.00	-8.28
1732.50	5	QPSK	1 / 0	24.39	-2.70	21.69	0.148	30.00	-8.31
1752.50	5	QPSK	1 / 0	24.49	-2.70	21.79	0.151	30.00	-8.21
1732.50	5	16-QAM	1 / 0	23.79	-2.70	21.09	0.128	30.00	-8.91
1732.50	5	64-QAM	1 / 12	22.11	-2.70	19.41	0.087	30.00	-10.59
1715.00	10	QPSK	1 / 49	24.25	-2.70	21.55	0.143	30.00	-8.45
1732.50	10	QPSK	1 / 25	24.24	-2.70	21.54	0.142	30.00	-8.46
1750.00	10	QPSK	1 / 0	24.29	-2.70	21.59	0.144	30.00	-8.41
1750.00	10	16-QAM	1 / 0	23.76	-2.70	21.06	0.128	30.00	-8.94
1750.00	10	64-QAM	1 / 49	22.19	-2.70	19.49	0.089	30.00	-10.51
1717.50	15	QPSK	1 / 0	24.34	-2.70	21.64	0.146	30.00	-8.36
1732.50	15	QPSK	1 / 36	24.25	-2.70	21.55	0.143	30.00	-8.45
1747.50	15	QPSK	1 / 36	24.22	-2.70	21.52	0.142	30.00	-8.48
1732.50	15	16-QAM	1 / 36	23.60	-2.70	20.90	0.123	30.00	-9.10
1747.50	15	64-QAM	1 / 36	22.24	-2.70	19.54	0.090	30.00	-10.46
1720.00	20	QPSK	1 / 0	24.25	-2.70	21.55	0.143	30.00	-8.45
1732.50	20	QPSK	1 / 99	24.31	-2.70	21.61	0.145	30.00	-8.39
1745.00	20	QPSK	1 / 0	24.24	-2.70	21.54	0.143	30.00	-8.46
1720.00	20	16-QAM	1 / 0	23.76	-2.70	21.06	0.128	30.00	-8.94
1732.50	20	64-QAM	1 / 99	22.22	-2.70	19.52	0.090	30.00	-10.48

Table 7-45. EIRP Data (Band 4)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	24.36	-2.70	21.66	0.147	30.00	-8.34
1745.00	1.4	QPSK	3 / 0	24.34	-2.70	21.64	0.146	30.00	-8.36
1779.30	1.4	QPSK	3 / 2	24.18	-2.70	21.48	0.141	30.00	-8.52
1779.30	1.4	16-QAM	1 / 0	23.73	-2.70	21.03	0.127	30.00	-8.97
1710.70	1.4	64-QAM	1 / 5	22.95	-2.70	20.25	0.106	30.00	-9.75
1711.50	3	QPSK	1 / 7	24.29	-2.70	21.59	0.144	30.00	-8.41
1745.00	3	QPSK	1 / 7	24.07	-2.70	21.37	0.137	30.00	-8.63
1778.50	3	QPSK	1 / 0	23.98	-2.70	21.28	0.134	30.00	-8.72
1778.50	3	16-QAM	1 / 7	23.75	-2.70	21.05	0.127	30.00	-8.95
1778.50	3	64-QAM	1 / 0	22.83	-2.70	20.13	0.103	30.00	-9.87
1712.50	5	QPSK	1 / 24	24.47	-2.70	21.77	0.150	30.00	-8.23
1745.00	5	QPSK	1 / 24	24.30	-2.70	21.60	0.145	30.00	-8.40
1777.50	5	QPSK	1 / 0	24.53	-2.70	21.83	0.152	30.00	-8.17
1777.50	5	16-QAM	1 / 0	23.85	-2.70	21.15	0.130	30.00	-8.85
1777.50	5	64-QAM	1 / 0	23.10	-2.70	20.40	0.110	30.00	-9.60
1715.00	10	QPSK	1 / 0	24.34	-2.70	21.64	0.146	30.00	-8.36
1745.00	10	QPSK	1 / 25	24.28	-2.70	21.58	0.144	30.00	-8.42
1775.00	10	QPSK	1 / 25	24.33	-2.70	21.63	0.146	30.00	-8.37
1775.00	10	16-QAM	1 / 25	23.72	-2.70	21.02	0.127	30.00	-8.98
1775.00	10	64-QAM	1 / 25	22.98	-2.70	20.28	0.107	30.00	-9.72
1717.50	15	QPSK	1 / 36	24.24	-2.70	21.54	0.142	30.00	-8.46
1745.00	15	QPSK	1 / 36	24.21	-2.70	21.51	0.142	30.00	-8.49
1772.50	15	QPSK	1 / 36	24.24	-2.70	21.54	0.142	30.00	-8.46
1745.00	15	16-QAM	1 / 36	23.70	-2.70	21.00	0.126	30.00	-9.00
1772.50	15	64-QAM	1 / 36	22.97	-2.70	20.27	0.106	30.00	-9.73
1720.00	20	QPSK	1 / 0	24.22	-2.70	21.52	0.142	30.00	-8.48
1745.00	20	QPSK	1 / 50	24.21	-2.70	21.51	0.141	30.00	-8.49
1770.00	20	QPSK	1 / 99	24.16	-2.70	21.46	0.140	30.00	-8.54
1770.00	20	16-QAM	1 / 50	23.78	-2.70	21.08	0.128	30.00	-8.92
1770.00	20	64-QAM	1 / 99	23.03	-2.70	20.33	0.108	30.00	-9.67

Table 7-46. EIRP Data (Band 66)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	3 / 0	24.24	-2.20	22.04	0.160	33.01	-10.97
1880.00	1.4	QPSK	3 / 0	24.13	-2.20	21.93	0.156	33.01	-11.08
1909.30	1.4	QPSK	3 / 0	24.15	-2.20	21.95	0.157	33.01	-11.06
1909.30	1.4	16-QAM	1 / 0	23.62	-2.20	21.42	0.139	33.01	-11.59
1909.30	1.4	64-QAM	1 / 0	22.78	-2.20	20.58	0.114	33.01	-12.43
1851.50	3	QPSK	1 / 14	24.27	-2.20	22.07	0.161	33.01	-10.95
1880.00	3	QPSK	1 / 0	23.96	-2.20	21.76	0.150	33.01	-11.25
1908.50	3	QPSK	1 / 7	23.97	-2.20	21.77	0.150	33.01	-11.24
1908.50	3	16-QAM	1 / 7	23.59	-2.20	21.39	0.138	33.01	-11.62
1851.50	3	64-QAM	1 / 14	22.73	-2.20	20.53	0.113	33.01	-12.48
1852.50	5	QPSK	1 / 24	24.51	-2.20	22.31	0.170	33.01	-10.70
1880.00	5	QPSK	1 / 0	24.27	-2.20	22.07	0.161	33.01	-10.94
1907.50	5	QPSK	1 / 0	24.44	-2.20	22.24	0.167	33.01	-10.77
1907.50	5	16-QAM	1 / 0	23.77	-2.20	21.57	0.144	33.01	-11.44
1852.50	5	64-QAM	1 / 24	22.94	-2.20	20.74	0.119	33.01	-12.27
1855.00	10	QPSK	1 / 25	24.38	-2.20	22.18	0.165	33.01	-10.83
1880.00	10	QPSK	1 / 0	24.36	-2.20	22.16	0.165	33.01	-10.85
1905.00	10	QPSK	1 / 0	24.51	-2.20	22.31	0.170	33.01	-10.70
1855.00	10	16-QAM	1 / 25	23.80	-2.20	21.60	0.144	33.01	-11.41
1855.00	10	64-QAM	1 / 49	22.88	-2.20	20.68	0.117	33.01	-12.33
1857.50	15	QPSK	1 / 36	24.34	-2.20	22.14	0.164	33.01	-10.87
1880.00	15	QPSK	1 / 0	24.41	-2.20	22.21	0.166	33.01	-10.80
1902.50	15	QPSK	1 / 36	24.40	-2.20	22.20	0.166	33.01	-10.81
1902.50	15	16-QAM	1 / 36	23.84	-2.20	21.64	0.146	33.01	-11.37
1857.50	15	64-QAM	1 / 36	23.00	-2.20	20.80	0.120	33.01	-12.21
1860.00	20	QPSK	1 / 0	24.30	-2.20	22.10	0.162	33.01	-10.91
1880.00	20	QPSK	1 / 0	24.46	-2.20	22.26	0.168	33.01	-10.75
1900.00	20	QPSK	1 / 0	24.54	-2.20	22.34	0.171	33.01	-10.67
1900.00	20	16-QAM	1 / 50	23.83	-2.20	21.63	0.145	33.01	-11.38
1860.00	20	64-QAM	1 / 99	23.05	-2.20	20.85	0.122	33.01	-12.16

Table 7-47. EIRP Data (Band 2)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	24.30	-2.20	22.10	0.162	33.01	-10.91
1882.50	1.4	QPSK	1 / 0	24.08	-2.20	21.88	0.154	33.01	-11.13
1914.30	1.4	QPSK	3 / 0	24.12	-2.20	21.92	0.156	33.01	-11.09
1914.30	1.4	16-QAM	1 / 0	23.80	-2.20	21.60	0.145	33.01	-11.41
1850.70	1.4	64-QAM	1 / 2	22.42	-2.20	20.22	0.105	33.01	-12.79
1851.50	3	QPSK	1 / 14	24.27	-2.20	22.07	0.161	33.01	-10.94
1882.50	3	QPSK	1 / 7	24.04	-2.20	21.84	0.153	33.01	-11.17
1913.50	3	QPSK	1 / 7	23.99	-2.20	21.79	0.151	33.01	-11.22
1851.50	3	16-QAM	1 / 7	23.64	-2.20	21.44	0.139	33.01	-11.57
1851.50	3	64-QAM	1 / 14	22.29	-2.20	20.09	0.102	33.01	-12.92
1852.50	5	QPSK	1 / 12	24.46	-2.20	22.26	0.168	33.01	-10.75
1882.50	5	QPSK	1 / 0	24.18	-2.20	21.98	0.158	33.01	-11.03
1912.50	5	QPSK	1 / 12	24.47	-2.20	22.27	0.168	33.01	-10.75
1852.50	5	16-QAM	1 / 24	23.81	-2.20	21.61	0.145	33.01	-11.40
1852.50	5	64-QAM	1 / 24	22.59	-2.20	20.39	0.109	33.01	-12.62
1855.00	10	QPSK	1 / 25	24.38	-2.20	22.18	0.165	33.01	-10.83
1882.50	10	QPSK	1 / 0	24.29	-2.20	22.09	0.162	33.01	-10.92
1910.00	10	QPSK	1 / 0	24.29	-2.20	22.09	0.162	33.01	-10.92
1882.50	10	16-QAM	1 / 0	23.77	-2.20	21.57	0.144	33.01	-11.44
1855.00	10	64-QAM	1 / 25	22.45	-2.20	20.25	0.106	33.01	-12.76
1857.50	15	QPSK	1 / 36	24.28	-2.20	22.08	0.161	33.01	-10.93
1882.50	15	QPSK	1 / 0	24.34	-2.20	22.14	0.164	33.01	-10.87
1907.50	15	QPSK	1 / 0	24.32	-2.20	22.12	0.163	33.01	-10.89
1882.50	15	16-QAM	1 / 0	23.75	-2.20	21.55	0.143	33.01	-11.46
1882.50	15	64-QAM	1 / 0	22.87	-2.20	20.67	0.117	33.01	-12.34
1860.00	20	QPSK	1 / 0	24.17	-2.20	21.97	0.158	33.01	-11.04
1882.50	20	QPSK	1 / 0	24.40	-2.20	22.20	0.166	33.01	-10.81
1905.00	20	QPSK	1 / 0	24.49	-2.20	22.29	0.170	33.01	-10.72
1905.00	20	16-QAM	1 / 0	23.99	-2.20	21.79	0.151	33.01	-11.22
1882.50	20	64-QAM	1 / 99	22.98	-2.20	20.78	0.120	33.01	-12.23

Table 7-48. EIRP Data (Band 25)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			Page 287 of 389

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 24	23.62	-2.00	21.62	0.145	23.98	-2.36
2310.00	5	QPSK	1 / 24	23.55	-2.00	21.55	0.143	23.98	-2.43
2312.50	5	QPSK	1 / 24	23.61	-2.00	21.61	0.145	23.98	-2.37
2312.50	5	16-QAM	1 / 24	23.16	-2.00	21.16	0.131	23.98	-2.82
2312.50	5	64-QAM	1 / 24	22.45	-2.00	20.45	0.111	23.98	-3.53
2310.00	10	QPSK	1 / 49	23.51	-2.00	21.51	0.142	23.98	-2.47
2310.00	10	16-QAM	1 / 49	23.16	-2.00	21.16	0.131	23.98	-2.82
2310.00	10	64-QAM	1 / 49	22.36	-2.00	20.36	0.109	23.98	-3.62

Table 7-49. EIRP Data (Band 30)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 12	24.19	-2.00	22.19	0.165	33.01	-10.82
2535.00	5	QPSK	1 / 0	23.70	-3.80	19.90	0.098	33.01	-13.11
2567.50	5	QPSK	1 / 0	23.56	-3.80	19.76	0.095	33.01	-13.25
2502.50	5	16-QAM	1 / 24	23.35	-2.00	21.35	0.137	33.01	-11.66
2502.50	5	64-QAM	1 / 24	22.47	-2.00	20.47	0.111	33.01	-12.54
2505.00	10	QPSK	1 / 0	23.95	-2.00	21.95	0.157	33.01	-11.06
2535.00	10	QPSK	1 / 0	23.72	-3.80	19.92	0.098	33.01	-13.09
2565.00	10	QPSK	1 / 0	23.69	-3.80	19.89	0.098	33.01	-13.12
2505.00	10	16-QAM	1 / 0	23.40	-2.00	21.40	0.138	33.01	-11.61
2505.00	10	64-QAM	1 / 49	22.34	-3.80	18.54	0.071	33.01	-14.47
2507.50	15	QPSK	1 / 0	23.94	-2.00	21.94	0.156	33.01	-11.08
2535.00	15	QPSK	1 / 0	23.65	-3.80	19.85	0.097	33.01	-13.16
2562.50	15	QPSK	1 / 0	23.58	-3.80	19.78	0.095	33.01	-13.23
2507.50	15	16-QAM	1 / 0	23.24	-2.00	21.24	0.133	33.01	-11.77
2507.50	15	64-QAM	1 / 36	22.27	-2.00	20.27	0.106	33.01	-12.74
2510.00	20	QPSK	1 / 0	23.89	-2.00	21.89	0.155	33.01	-11.12
2535.00	20	QPSK	1 / 50	23.70	-3.80	19.90	0.098	33.01	-13.11
2560.00	20	QPSK	1 / 50	23.60	-3.80	19.80	0.096	33.01	-13.21
2510.00	20	16-QAM	1 / 0	23.47	-2.00	21.47	0.140	33.01	-11.54
2510.00	20	64-QAM	1 / 50	22.35	-2.00	20.35	0.108	33.01	-12.66

Table 7-50. EIRP Data (Band 7)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	25.44	-2.00	23.44	0.221	33.01	-9.57
2593.00	5	QPSK	1 / 0	25.15	-3.80	21.35	0.136	33.01	-11.66
2687.50	5	QPSK	1 / 0	25.00	-3.80	21.20	0.132	33.01	-11.81
2498.50	5	16-QAM	1 / 0	24.67	-2.00	22.67	0.185	33.01	-10.34
2498.50	5	64-QAM	1 / 24	23.71	-3.80	19.91	0.098	33.01	-13.10
2501.00	10	QPSK	1 / 49	25.41	-2.00	23.41	0.219	33.01	-9.60
2593.00	10	QPSK	1 / 49	25.09	-3.80	21.29	0.134	33.01	-11.72
2685.00	10	QPSK	1 / 0	24.89	-3.80	21.09	0.128	33.01	-11.92
2501.00	10	16-QAM	1 / 49	24.80	-2.00	22.80	0.190	33.01	-10.21
2501.00	10	64-QAM	1 / 49	23.64	-2.00	21.64	0.146	33.01	-11.37
2503.50	15	QPSK	1 / 74	25.43	-2.00	23.43	0.220	33.01	-9.58
2593.00	15	QPSK	1 / 36	25.02	-3.80	21.22	0.133	33.01	-11.79
2682.50	15	QPSK	1 / 0	24.85	-3.80	21.05	0.127	33.01	-11.96
2503.50	15	16-QAM	1 / 74	24.69	-2.00	22.69	0.186	33.01	-10.32
2503.50	15	64-QAM	1 / 74	23.80	-2.00	21.80	0.151	33.01	-11.21
2506.00	20	QPSK	1 / 99	25.37	-2.00	23.37	0.217	33.01	-9.64
2593.00	20	QPSK	1 / 99	25.25	-3.80	21.45	0.140	33.01	-11.56
2680.00	20	QPSK	1 / 0	24.87	-3.80	21.07	0.128	33.01	-11.94
2506.00	20	16-QAM	1 / 99	24.85	-2.00	22.85	0.193	33.01	-10.16
2506.00	20	64-QAM	1 / 50	23.74	-2.00	21.74	0.149	33.01	-11.27

Table 7-51. EIRP Data (Band 41)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

7.7.4 Port-D Radiated Power (ERP/EIRP)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	22.00	-3.00	19.00	0.079	30.00	-11.00
1732.50	1.4	QPSK	1 / 0	21.91	-3.00	18.91	0.078	30.00	-11.09
1754.30	1.4	QPSK	1 / 5	22.00	-3.00	19.00	0.079	30.00	-11.00
1754.30	1.4	16-QAM	1 / 0	21.50	-3.00	18.50	0.071	30.00	-11.50
1754.30	1.4	64-QAM	1 / 0	20.11	-3.00	17.11	0.051	30.00	-12.89
1711.50	3	QPSK	1 / 7	22.00	-3.00	19.00	0.079	30.00	-11.00
1732.50	3	QPSK	1 / 7	21.86	-3.00	18.86	0.077	30.00	-11.14
1753.50	3	QPSK	1 / 7	21.98	-3.00	18.98	0.079	30.00	-11.02
1753.50	3	16-QAM	1 / 7	21.53	-3.00	18.53	0.071	30.00	-11.47
1753.50	3	64-QAM	1 / 7	20.01	-3.00	17.01	0.050	30.00	-12.99
1712.50	5	QPSK	1 / 24	22.00	-3.00	19.00	0.080	30.00	-11.00
1732.50	5	QPSK	1 / 24	21.89	-3.00	18.89	0.078	30.00	-11.11
1752.50	5	QPSK	1 / 0	22.00	-3.00	19.00	0.079	30.00	-11.00
1712.50	5	16-QAM	1 / 24	21.68	-3.00	18.68	0.074	30.00	-11.32
1752.50	5	64-QAM	1 / 0	20.13	-3.00	17.13	0.052	30.00	-12.87
1715.00	10	QPSK	1 / 49	21.93	-3.00	18.93	0.078	30.00	-11.07
1732.50	10	QPSK	1 / 49	21.98	-3.00	18.98	0.079	30.00	-11.02
1750.00	10	QPSK	1 / 49	22.00	-3.00	19.00	0.079	30.00	-11.00
1750.00	10	16-QAM	1 / 49	21.48	-3.00	18.48	0.070	30.00	-11.52
1750.00	10	64-QAM	1 / 49	20.13	-3.00	17.13	0.052	30.00	-12.87
1717.50	15	QPSK	1 / 74	21.89	-3.00	18.89	0.077	30.00	-11.11
1732.50	15	QPSK	1 / 74	21.97	-3.00	18.97	0.079	30.00	-11.03
1747.50	15	QPSK	1 / 74	21.99	-3.00	18.99	0.079	30.00	-11.01
1732.50	15	16-QAM	1 / 36	21.48	-3.00	18.48	0.071	30.00	-11.52
1747.50	15	64-QAM	1 / 36	20.13	-3.00	17.13	0.052	30.00	-12.87
1720.00	20	QPSK	1 / 99	21.91	-3.00	18.91	0.078	30.00	-11.09
1732.50	20	QPSK	1 / 99	22.00	-3.00	19.00	0.079	30.00	-11.00
1745.00	20	QPSK	1 / 99	21.96	-3.00	18.96	0.079	30.00	-11.04
1745.00	20	16-QAM	1 / 50	21.53	-3.00	18.53	0.071	30.00	-11.47
1745.00	20	64-QAM	1 / 99	20.30	-3.00	17.30	0.054	30.00	-12.70

Table 7-52. EIRP Data (Band 4)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device					Page 291 of 389

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	22.00	-3.00	19.00	0.079	30.00	-11.00
1745.00	1.4	QPSK	3 / 3	21.96	-3.00	18.96	0.079	30.00	-11.04
1779.30	1.4	QPSK	1 / 5	21.98	-3.00	18.98	0.079	30.00	-11.02
1745.00	1.4	16-QAM	1 / 0	21.49	-3.00	18.49	0.071	30.00	-11.51
1779.30	1.4	64-QAM	1 / 0	20.25	-3.00	17.25	0.053	30.00	-12.75
1711.50	3	QPSK	1 / 7	22.00	-3.00	19.00	0.079	30.00	-11.00
1745.00	3	QPSK	1 / 7	21.95	-3.00	18.95	0.079	30.00	-11.05
1778.50	3	QPSK	1 / 7	21.97	-3.00	18.97	0.079	30.00	-11.03
1778.50	3	16-QAM	1 / 7	21.48	-3.00	18.48	0.071	30.00	-11.52
1778.50	3	64-QAM	1 / 7	20.11	-3.00	17.11	0.051	30.00	-12.89
1712.50	5	QPSK	1 / 12	21.98	-3.00	18.98	0.079	30.00	-11.02
1745.00	5	QPSK	1 / 24	21.89	-3.00	18.89	0.078	30.00	-11.11
1777.50	5	QPSK	1 / 24	21.99	-3.00	18.99	0.079	30.00	-11.01
1745.00	5	16-QAM	1 / 0	21.50	-3.00	18.50	0.071	30.00	-11.50
1777.50	5	64-QAM	1 / 0	20.31	-3.00	17.31	0.054	30.00	-12.69
1715.00	10	QPSK	1 / 49	21.92	-3.00	18.92	0.078	30.00	-11.08
1745.00	10	QPSK	1 / 49	21.98	-3.00	18.98	0.079	30.00	-11.02
1775.00	10	QPSK	1 / 0	21.99	-3.00	18.99	0.079	30.00	-11.01
1745.00	10	16-QAM	1 / 25	21.51	-3.00	18.51	0.071	30.00	-11.49
1775.00	10	64-QAM	1 / 25	20.29	-3.00	17.29	0.054	30.00	-12.71
1717.50	15	QPSK	1 / 74	21.85	-3.00	18.85	0.077	30.00	-11.15
1745.00	15	QPSK	1 / 74	21.97	-3.00	18.97	0.079	30.00	-11.03
1772.50	15	QPSK	1 / 0	22.00	-3.00	19.00	0.079	30.00	-11.00
1745.00	15	16-QAM	1 / 0	21.35	-3.00	18.35	0.068	30.00	-11.65
1772.50	15	64-QAM	1 / 74	20.22	-3.00	17.22	0.053	30.00	-12.78
1720.00	20	QPSK	1 / 99	22.00	-3.00	19.00	0.080	30.00	-11.00
1745.00	20	QPSK	1 / 99	22.00	-3.00	19.00	0.079	30.00	-11.00
1770.00	20	QPSK	1 / 99	21.99	-3.00	18.99	0.079	30.00	-11.01
1720.00	20	16-QAM	1 / 99	21.61	-3.00	18.61	0.073	30.00	-11.39
1770.00	20	64-QAM	1 / 99	20.36	-3.00	17.36	0.054	30.00	-12.64

Table 7-53. EIRP Data (Band 66)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	21.58	-1.40	20.18	0.104	33.01	-12.83
1882.50	1.4	QPSK	1 / 0	21.53	-1.40	20.13	0.103	33.01	-12.88
1914.30	1.4	QPSK	3 / 3	21.72	-1.40	20.32	0.108	33.01	-12.69
1914.30	1.4	16-QAM	1 / 0	21.33	-1.40	19.93	0.098	33.01	-13.08
1914.30	1.4	64-QAM	1 / 0	20.13	-1.40	18.73	0.075	33.01	-14.28
1851.50	3	QPSK	1 / 7	21.57	-1.40	20.17	0.104	33.01	-12.84
1882.50	3	QPSK	1 / 7	21.48	-1.40	20.08	0.102	33.01	-12.93
1913.50	3	QPSK	1 / 7	21.76	-1.40	20.36	0.109	33.01	-12.65
1913.50	3	16-QAM	1 / 14	21.26	-1.40	19.86	0.097	33.01	-13.15
1851.50	3	64-QAM	1 / 7	19.99	-1.40	18.59	0.072	33.01	-14.42
1852.50	5	QPSK	1 / 24	21.77	-1.40	20.37	0.109	33.01	-12.64
1882.50	5	QPSK	1 / 24	21.64	-1.40	20.24	0.106	33.01	-12.77
1912.50	5	QPSK	1 / 12	21.89	-1.40	20.49	0.112	33.01	-12.52
1912.50	5	16-QAM	1 / 24	21.30	-1.40	19.90	0.098	33.01	-13.11
1852.50	5	64-QAM	1 / 24	20.15	-1.40	18.75	0.075	33.01	-14.26
1855.00	10	QPSK	1 / 0	21.67	-1.40	20.27	0.106	33.01	-12.74
1882.50	10	QPSK	1 / 0	21.73	-1.40	20.33	0.108	33.01	-12.68
1910.00	10	QPSK	1 / 49	21.88	-1.40	20.48	0.112	33.01	-12.53
1910.00	10	16-QAM	1 / 49	21.31	-1.40	19.91	0.098	33.01	-13.10
1910.00	10	64-QAM	1 / 49	20.12	-1.40	18.72	0.074	33.01	-14.29
1857.50	15	QPSK	1 / 0	21.69	-1.40	20.29	0.107	33.01	-12.72
1882.50	15	QPSK	1 / 0	21.77	-1.40	20.37	0.109	33.01	-12.64
1907.50	15	QPSK	1 / 0	21.88	-1.40	20.48	0.112	33.01	-12.53
1907.50	15	16-QAM	1 / 0	21.31	-1.40	19.91	0.098	33.01	-13.10
1857.50	15	64-QAM	1 / 0	20.20	-1.40	18.80	0.076	33.01	-14.21
1860.00	20	QPSK	1 / 0	21.69	-1.40	20.29	0.107	33.01	-12.72
1882.50	20	QPSK	1 / 99	21.78	-1.40	20.38	0.109	33.01	-12.63
1905.00	20	QPSK	1 / 0	21.80	-1.40	20.40	0.110	33.01	-12.61
1905.00	20	16-QAM	1 / 99	21.48	-1.40	20.08	0.102	33.01	-12.93
1882.50	20	64-QAM	1 / 99	20.29	-1.40	18.89	0.077	33.01	-14.12

Table 7-54. EIRP Data (Band 25)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	21.75	-1.40	20.35	0.108	33.01	-12.66
1880.00	1.4	QPSK	1 / 5	21.70	-1.40	20.30	0.107	33.01	-12.71
1909.30	1.4	QPSK	1 / 5	21.62	-1.40	20.22	0.105	33.01	-12.79
1880.00	1.4	16-QAM	1 / 5	21.08	-1.40	19.68	0.093	33.01	-13.33
1850.70	1.4	64-QAM	1 / 5	20.16	-1.40	18.76	0.075	33.01	-14.25
1851.50	3	QPSK	1 / 7	21.70	-1.40	20.30	0.107	33.01	-12.71
1880.00	3	QPSK	1 / 7	21.69	-1.40	20.29	0.107	33.01	-12.72
1908.50	3	QPSK	1 / 7	21.65	-1.40	20.25	0.106	33.01	-12.76
1908.50	3	16-QAM	1 / 0	21.03	-1.40	19.63	0.092	33.01	-13.38
1851.50	3	64-QAM	1 / 0	20.00	-1.40	18.60	0.072	33.01	-14.41
1852.50	5	QPSK	1 / 24	21.77	-1.40	20.37	0.109	33.01	-12.64
1880.00	5	QPSK	1 / 24	21.63	-1.40	20.23	0.105	33.01	-12.78
1907.50	5	QPSK	1 / 0	21.74	-1.40	20.34	0.108	33.01	-12.67
1880.00	5	16-QAM	1 / 24	21.10	-1.40	19.70	0.093	33.01	-13.31
1852.50	5	64-QAM	1 / 24	20.11	-1.40	18.71	0.074	33.01	-14.30
1855.00	10	QPSK	1 / 0	21.69	-1.40	20.29	0.107	33.01	-12.72
1880.00	10	QPSK	1 / 0	21.70	-1.40	20.30	0.107	33.01	-12.71
1905.00	10	QPSK	1 / 0	21.80	-1.40	20.40	0.110	33.01	-12.61
1905.00	10	16-QAM	1 / 0	21.08	-1.40	19.68	0.093	33.01	-13.33
1855.00	10	64-QAM	1 / 49	20.15	-1.40	18.75	0.075	33.01	-14.26
1857.50	15	QPSK	1 / 0	21.67	-1.40	20.27	0.106	33.01	-12.74
1880.00	15	QPSK	1 / 0	21.72	-1.40	20.32	0.108	33.01	-12.69
1902.50	15	QPSK	1 / 0	21.88	-1.40	20.48	0.112	33.01	-12.53
1902.50	15	16-QAM	1 / 36	21.08	-1.40	19.68	0.093	33.01	-13.33
1857.50	15	64-QAM	1 / 36	20.24	-1.40	18.84	0.077	33.01	-14.17
1860.00	20	QPSK	1 / 0	21.68	-1.40	20.28	0.107	33.01	-12.73
1880.00	20	QPSK	1 / 0	21.78	-1.40	20.38	0.109	33.01	-12.63
1900.00	20	QPSK	1 / 0	21.82	-1.40	20.42	0.110	33.01	-12.59
1860.00	20	16-QAM	1 / 0	21.17	-1.40	19.77	0.095	33.01	-13.24
1880.00	20	64-QAM	1 / 50	20.18	-1.40	18.78	0.076	33.01	-14.23

Table 7-55. EIRP Data (Band 2)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	21.79	0.00	21.79	0.151	23.98	-2.19
2310.00	5	QPSK	1 / 24	21.82	0.00	21.82	0.152	23.98	-2.16
2312.50	5	QPSK	1 / 24	22.00	0.00	22.00	0.158	23.98	-1.98
2310.00	5	16-QAM	1 / 24	21.34	0.00	21.34	0.136	23.98	-2.64
2307.50	5	64-QAM	1 / 24	20.74	0.00	20.74	0.119	23.98	-3.24
2310.00	10	QPSK	1 / 49	22.00	0.00	22.00	0.159	23.98	-1.98
2310.00	10	16-QAM	1 / 49	21.31	0.00	21.31	0.135	23.98	-2.67
2310.00	10	64-QAM	1 / 49	20.73	0.00	20.73	0.118	23.98	-3.25

Table 7-56. EIRP Data (Band 30)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	21.46	0.00	21.46	0.140	33.01	-11.55
2535.00	5	QPSK	1 / 0	21.41	-4.10	17.31	0.054	33.01	-15.70
2567.50	5	QPSK	1 / 24	21.66	-4.10	17.56	0.057	33.01	-15.45
2535.00	5	16-QAM	1 / 12	21.15	-4.10	17.05	0.051	33.01	-15.96
2535.00	5	64-QAM	1 / 24	21.03	-4.10	16.93	0.049	33.01	-16.08
2505.00	10	QPSK	1 / 49	21.45	0.00	21.45	0.139	33.01	-11.57
2535.00	10	QPSK	1 / 0	21.43	-4.10	17.33	0.054	33.01	-15.68
2565.00	10	QPSK	1 / 49	21.49	-4.10	17.39	0.055	33.01	-15.62
2565.00	10	16-QAM	1 / 49	21.00	-4.10	16.90	0.049	33.01	-16.11
2505.00	10	64-QAM	1 / 49	20.02	0.00	20.02	0.100	33.01	-12.99
2507.50	15	QPSK	1 / 74	21.50	0.00	21.50	0.141	33.01	-11.51
2535.00	15	QPSK	1 / 0	21.50	-4.10	17.40	0.055	33.01	-15.61
2562.50	15	QPSK	1 / 74	21.46	-4.10	17.36	0.054	33.01	-15.65
2507.50	15	16-QAM	1 / 36	20.96	0.00	20.96	0.125	33.01	-12.05
2507.50	15	64-QAM	1 / 36	19.96	0.00	19.96	0.099	33.01	-13.05
2510.00	20	QPSK	1 / 99	21.50	0.00	21.50	0.141	33.01	-11.51
2535.00	20	QPSK	1 / 0	21.49	-4.10	17.39	0.055	33.01	-15.62
2560.00	20	QPSK	1 / 99	21.47	-4.10	17.37	0.055	33.01	-15.64
2510.00	20	16-QAM	1 / 99	21.20	0.00	21.20	0.132	33.01	-11.81
2510.00	20	64-QAM	1 / 50	20.04	0.00	20.04	0.101	33.01	-12.97

Table 7-57. EIRP Data (Band 7)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

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	22.68	0.00	22.68	0.185	33.01	-10.33
2593.00	5	QPSK	1 / 24	22.59	-4.10	18.49	0.071	33.01	-14.52
2687.50	5	QPSK	1 / 12	22.60	-4.10	18.50	0.071	33.01	-14.51
2498.50	5	16-QAM	1 / 0	21.95	0.00	21.95	0.157	33.01	-11.06
2498.50	5	64-QAM	1 / 24	21.52	0.00	21.52	0.142	33.01	-11.49
2501.00	10	QPSK	1 / 49	22.61	0.00	22.61	0.183	33.01	-10.40
2593.00	10	QPSK	1 / 49	22.75	-4.10	18.65	0.073	33.01	-14.36
2685.00	10	QPSK	1 / 25	22.56	-4.10	18.46	0.070	33.01	-14.55
2501.00	10	16-QAM	1 / 49	22.02	0.00	22.02	0.159	33.01	-10.99
2501.00	10	64-QAM	1 / 49	21.51	0.00	21.51	0.142	33.01	-11.50
2503.50	15	QPSK	1 / 74	22.69	0.00	22.69	0.186	33.01	-10.32
2593.00	15	QPSK	1 / 36	22.74	-4.10	18.64	0.073	33.01	-14.37
2682.50	15	QPSK	1 / 36	22.50	-4.10	18.40	0.069	33.01	-14.61
2503.50	15	16-QAM	1 / 36	22.01	0.00	22.01	0.159	33.01	-11.00
2503.50	15	64-QAM	1 / 74	21.54	0.00	21.54	0.143	33.01	-11.47
2506.00	20	QPSK	1 / 99	22.68	0.00	22.68	0.185	33.01	-10.33
2593.00	20	QPSK	1 / 99	22.61	-4.10	18.51	0.071	33.01	-14.50
2680.00	20	QPSK	1 / 99	22.73	-4.10	18.63	0.073	33.01	-14.38
2506.00	20	16-QAM	1 / 99	22.14	0.00	22.14	0.164	33.01	-10.88
2506.00	20	64-QAM	1 / 99	21.62	0.00	21.62	0.145	33.01	-11.39

Table 7-58. EIRP Data (Band 41)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device				

7.8 Radiated Spurious Emissions Measurements

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

ANSI/TIA-603-E-2016 – Section 2.2.12

Test Settings

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

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 298 of 389

Test Setup

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

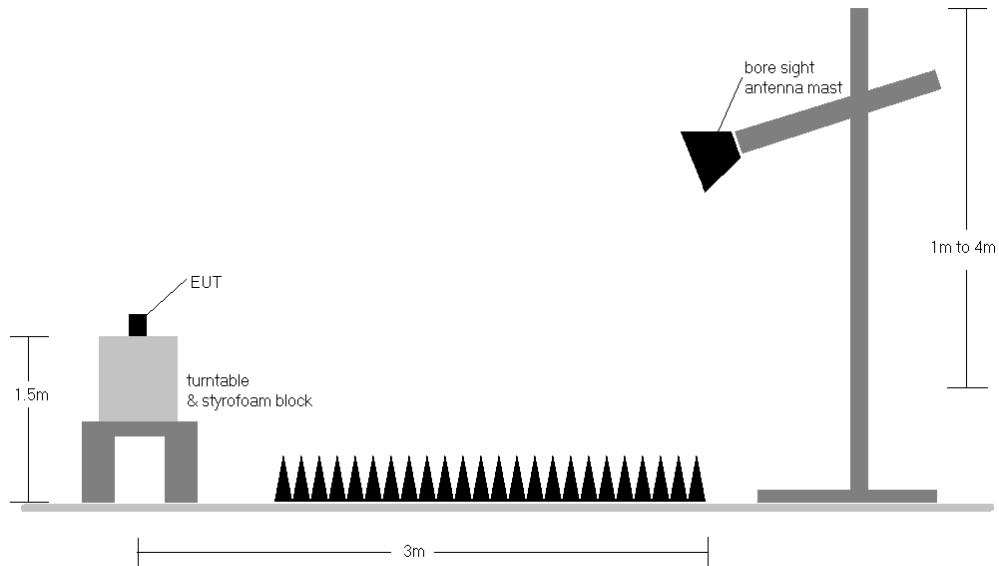


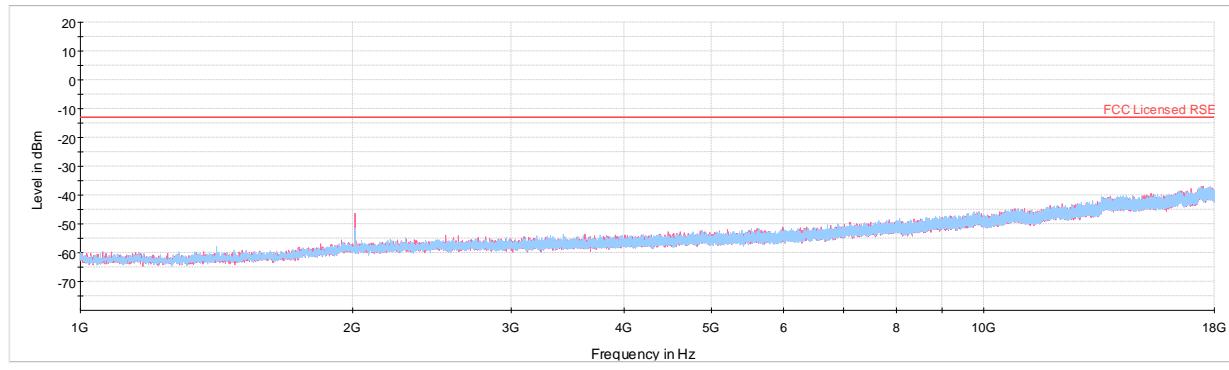
Figure 7-7. Test Instrument & Measurement Setup

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) 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.

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 299 of 389

7.8.1 ANT 3 (Port-A) Radiated Spurious Emissions Measurements Band 71



Plot 7-430. Radiated Spurious Plot above 1GHz (Band 71)

OPERATING FREQUENCY: 673.00 MHz
 CHANNEL: 133222
 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]
1346.00	H	-	-	-72.53	3.29	-69.24	-56.2
2019.00	H	142	188	-66.17	4.11	-62.06	-49.1
2692.00	H	-	-	-68.96	5.91	-63.05	-50.0
3365.00	H	-	-	-69.90	7.25	-62.65	-49.7

Table 7-59. Radiated Spurious Data (Band 71 – Low Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 300 of 389	

OPERATING FREQUENCY: 680.50 MHz
CHANNEL: 133297
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]
1361.00	H	-	-	-71.32	3.43	-67.90	-54.9
2041.50	H	-	-	-68.84	4.24	-64.60	-51.6
2722.00	H	-	-	-68.77	5.96	-62.81	-49.8

Table 7-60. Radiated Spurious Data (Band 71 – Mid Channel)

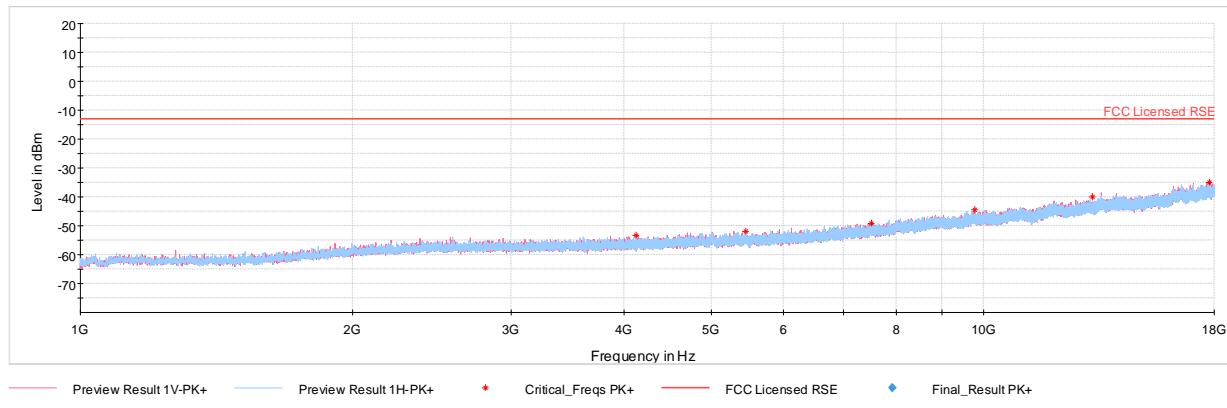
OPERATING FREQUENCY: 688.00 MHz
CHANNEL: 133372
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

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]
1376.00	H	-	-	-71.28	3.56	-67.72	-54.7
2064.00	H	-	-	-68.79	4.37	-64.41	-51.4
2752.00	H	-	-	-69.12	6.00	-63.12	-50.1

Table 7-61. Radiated Spurious Data (Band 71 – High Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

Band 12/17



OPERATING FREQUENCY: 704.00 MHz
 CHANNEL: 23060
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1408.00	H	341	206	-71.06	3.84	-67.22	-54.2
2112.00	H	-	-	-69.15	4.65	-64.50	-51.5
2816.00	H	-	-	-69.37	6.03	-63.34	-50.3
3520.00	H	-	-	-70.36	7.29	-63.07	-50.1

Table 7-62. Radiated Spurious Data (Band 12/17 – Low Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 302 of 389

OPERATING FREQUENCY: 707.50 MHz
CHANNEL: 23095
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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1415.00	H	174	166	-69.87	3.90	-65.97	-53.0
2122.50	H	-	-	-68.62	4.71	-63.92	-50.9
2830.00	H	-	-	-69.08	6.03	-63.04	-50.0
3537.50	H	-	-	-70.31	7.28	-63.02	-50.0

Table 7-63. Radiated Spurious Data (Band 12/17 – Mid Channel)

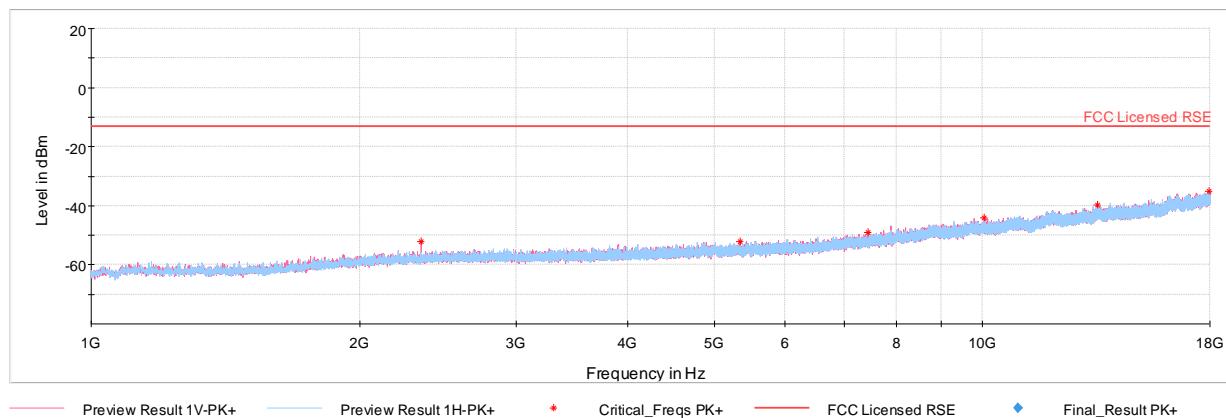
OPERATING FREQUENCY: 711.00 MHz
CHANNEL: 23130
MODULATION SIGNAL: QPSK
BANDWIDTH: 10.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1422.00	H	166	175	-70.68	3.96	-66.73	-53.7
2133.00	H	362	336	-68.98	4.77	-64.21	-51.2
2844.00	H	-	-	-68.70	6.04	-62.66	-49.7
3555.00	H	-	-	-70.27	7.28	-63.00	-50.0
4266.00	H	-	-	-69.80	7.62	-62.18	-49.2

Table 7-64. Radiated Spurious Data (Band 12/17 – High Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

Band 13



Plot 7-432. Radiated Spurious Plot above 1GHz (Band 13)

OPERATING FREQUENCY: 779.50 MHz

CHANNEL: 23205

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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2338.50	V	-	-	-69.42	5.47	-63.95	-50.9
3118.00	H	-	-	-69.77	6.63	-63.14	-50.1

Table 7-65. Radiated Spurious Data (Band 13 – Low Channel)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 304 of 389	

OPERATING FREQUENCY: 782.00 MHz
CHANNEL: 23230
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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2346.00	H	-	-	-69.24	5.48	-63.76	-50.8
3128.00	H	-	-	-69.80	6.70	-63.10	-50.1

Table 7-66. Radiated Spurious Data (Band 13 – Mid Channel)

OPERATING FREQUENCY: 784.50 MHz
CHANNEL: 23255
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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2353.50	H	-	-	-69.26	5.49	-63.77	-50.8
3138.00	H	-	-	-69.68	6.72	-62.96	-50.0

Table 7-67. Radiated Spurious Data (Band 13 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 305 of 389	

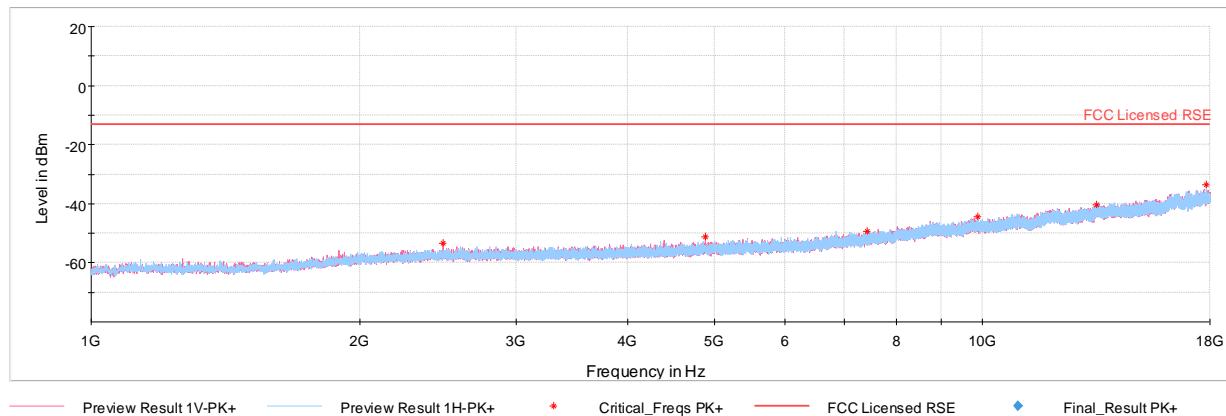
MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.00 MHz
 DISTANCE: 3 meters
 NARROWBAND EMISSION LIMIT: -50 dBm
 WIDEBAND EMISSION LIMIT: -40 dBm/MHz

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1559.00	H	-	-	-72.26	4.55	-67.71	-27.7
1564.00	H	-	-	-72.21	4.55	-67.66	-27.7
1569.00	H	-	-	-72.31	4.54	-67.77	-27.8

Table 7-68. Radiated Spurious Data (Band 13 – 1559-1610MHz Band)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 306 of 389	

Band 26/5



Plot 7-433. Radiated Spurious Plot above 1GHz (Band 26/5)

OPERATING FREQUENCY: 829.00 MHz
 CHANNEL: 26840
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	H	-	-	-71.65	4.47	-67.18	-54.2
2487.00	V	-	-	-69.01	5.59	-63.42	-50.4
3316.00	H	-	-	-70.52	7.23	-63.29	-50.3

Table 7-69. Radiated Spurious Data (Band 26/5 – Low Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 307 of 389	

OPERATING FREQUENCY: 836.50 MHz
 CHANNEL: 26915
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.00	H	-	-	-71.47	4.46	-67.01	-54.0
2509.50	V	-	-	-69.01	5.62	-63.40	-50.4
3346.00	H	-	-	-70.52	7.24	-63.28	-50.3

Table 7-70. Radiated Spurious Data (Band 26/5 – Mid Channel)

OPERATING FREQUENCY: 844.00 MHz
 CHANNEL: 26990
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

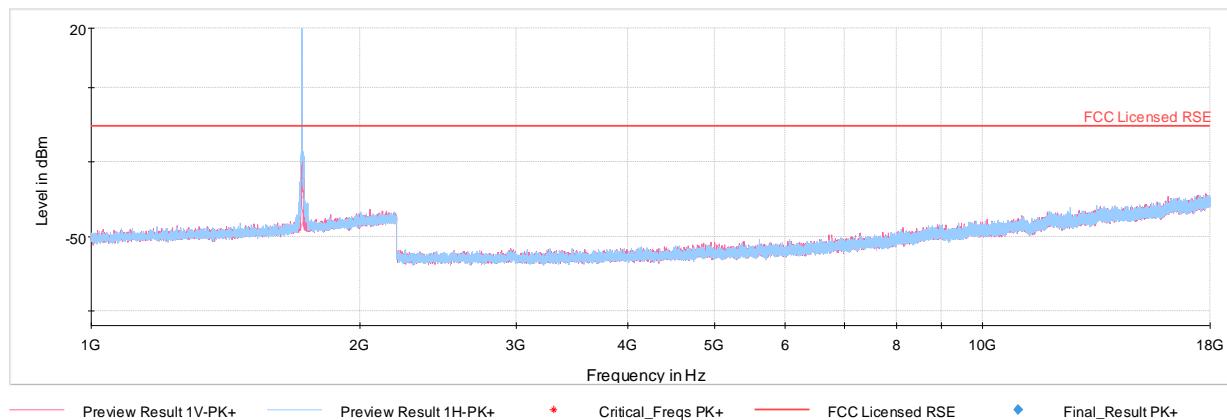
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	H	-	-	-71.28	4.45	-66.83	-53.8
2532.00	V	-	-	-69.08	5.65	-63.43	-50.4
3376.00	H	-	-	-70.13	7.25	-62.88	-49.9

Table 7-71. Radiated Spurious Data (Band 26/5 – High Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 308 of 389	

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

Band 66/4



Plot 7-434. Radiated Spurious Plot above 1GHz (Band 66/4)

OPERATING FREQUENCY: 1720.00 MHz
 CHANNEL: 132072
 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	-	-	-69.97	7.28	-62.70	-49.7
5160.00	H	-	-	-68.42	7.88	-60.55	-47.5
6880.00	H	-	-	-66.45	8.91	-57.53	-44.5

Table 7-72. Radiated Spurious Data (Band 66/4 – Low Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 309 of 389

OPERATING FREQUENCY: 1745.00 MHz
 CHANNEL: 132322
 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	-	-	-69.69	7.29	-62.40	-49.4
5235.00	H	-	-	-67.94	7.80	-60.14	-47.1
6980.00	H	-	-	-66.62	9.03	-57.59	-44.6

Table 7-73. Radiated Spurious Data (Band 66/4 – Mid Channel)

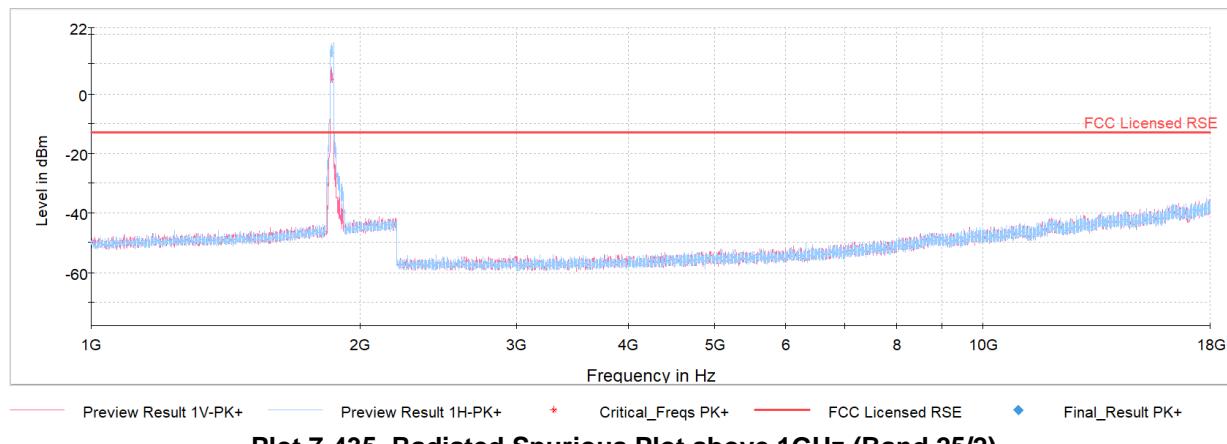
OPERATING FREQUENCY: 1770.00 MHz
 CHANNEL: 132572
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

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	-	-	-69.55	7.30	-62.25	-49.3
5310.00	H	-	-	-67.95	7.73	-60.22	-47.2
7080.00	H	-	-	-67.01	9.15	-57.86	-44.9

Table 7-74. Radiated Spurious Data (Band 66/4 – High Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 310 of 389	

Band 25/2



Plot 7-435. Radiated Spurious Plot above 1GHz (Band 25/2)

OPERATING FREQUENCY: 1860.00 MHz
 CHANNEL: 26140
 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	-	-	-69.43	7.21	-62.22	-49.2
5580.00	H	-	-	-68.62	8.27	-60.35	-47.4
7440.00	H	-	-	-65.95	9.58	-56.36	-43.4

Table 7-75. Radiated Spurious Data (Band 25/2 – Low Channel)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 311 of 389	

OPERATING FREQUENCY: 1882.50 MHz
CHANNEL: 26365
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	-	-	-69.24	7.24	-61.99	-49.0
5647.50	H	-	-	-67.17	8.16	-59.01	-46.0
7530.00	H	-	-	-66.45	9.69	-56.76	-43.8

Table 7-76. Radiated Spurious Data (Band 25/2 – Mid Channel)

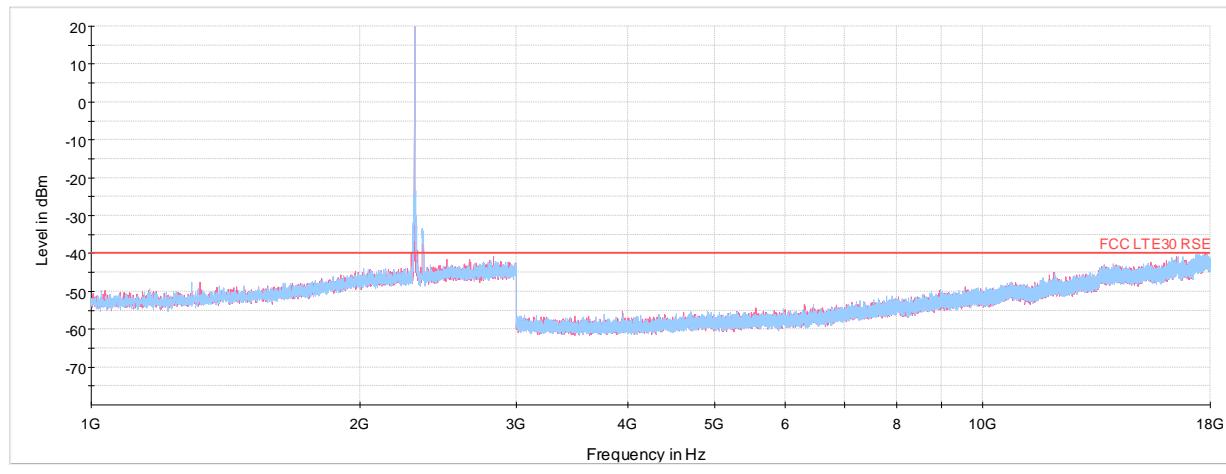
OPERATING FREQUENCY: 1905.00 MHz
CHANNEL: 26590
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -13 dBm

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	-	-	-69.21	7.37	-61.84	-48.8
5715.00	H	-	-	-67.94	8.05	-59.88	-46.9
7620.00	H	-	-	-66.28	9.65	-56.63	-43.6

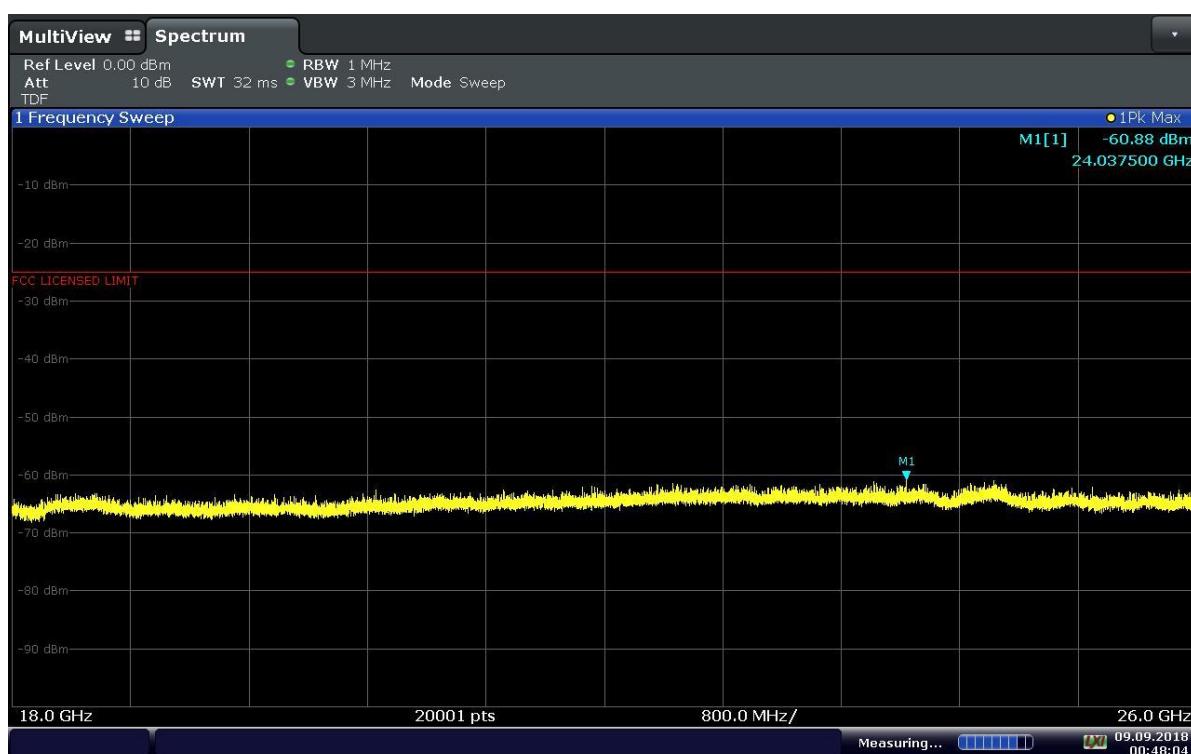
Table 7-77. Radiated Spurious Data (Band 25/2 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 312 of 389	

Band 30

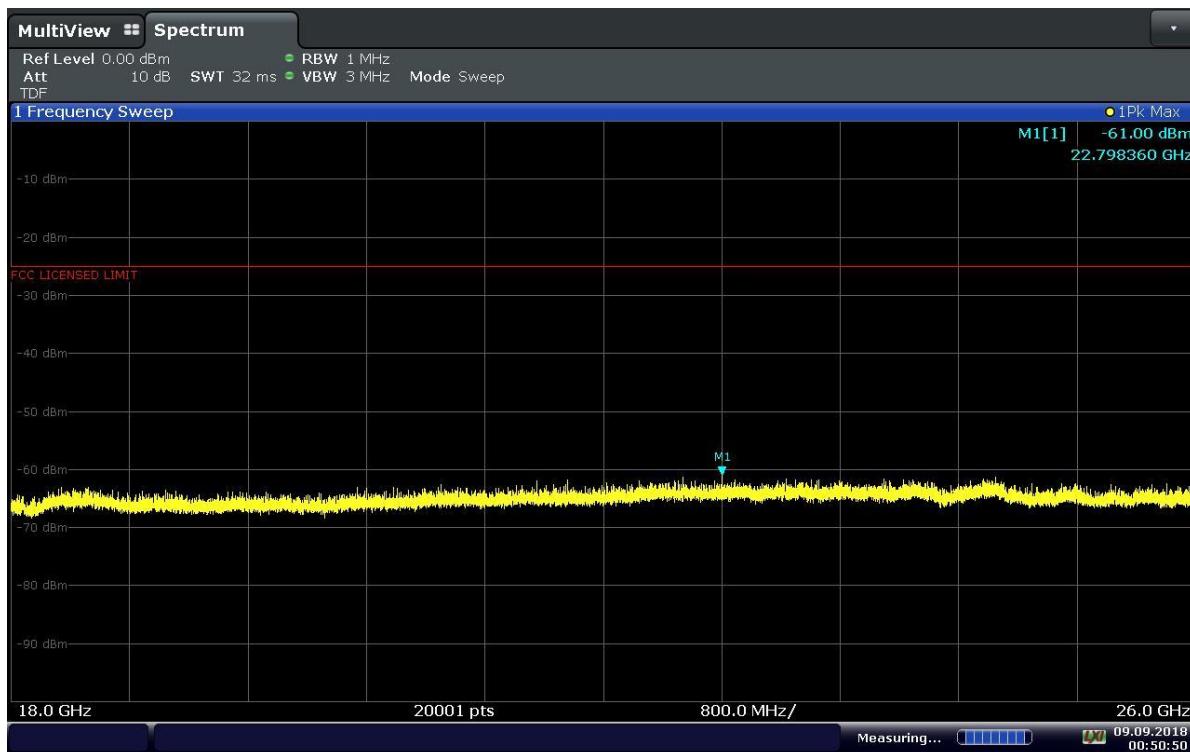


Plot 7-436. Radiated Spurious Plot 1GHz - 18GHz (Band 30)



Plot 7-437. Radiated Spurious Plot 18GHz – 26.5GHz H (Band 30)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 313 of 389



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Plot 7-438. Radiated Spurious Plot 18GHz – 26.5GHz V (Band 30)

OPERATING FREQUENCY: 2307.50 MHz
CHANNEL: 27685
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	-	-	-68.82	7.81	-61.01	-21.0
6922.50	H	-	-	-66.66	9.02	-57.64	-17.6
9230.00	H	-	-	-65.10	10.50	-54.60	-14.6

Table 7-78. Radiated Spurious Data (Band 30 – Low Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 314 of 389	

OPERATING FREQUENCY: 2310.00 MHz
CHANNEL: 27710
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]
4620.00	H	-	-	-68.95	7.80	-61.15	-21.1
6930.00	H	-	-	-66.42	9.03	-57.38	-17.4
9240.00	H	-	-	-65.39	10.50	-54.89	-14.9

Table 7-79. Radiated Spurious Data (Band 30 – Mid Channel)

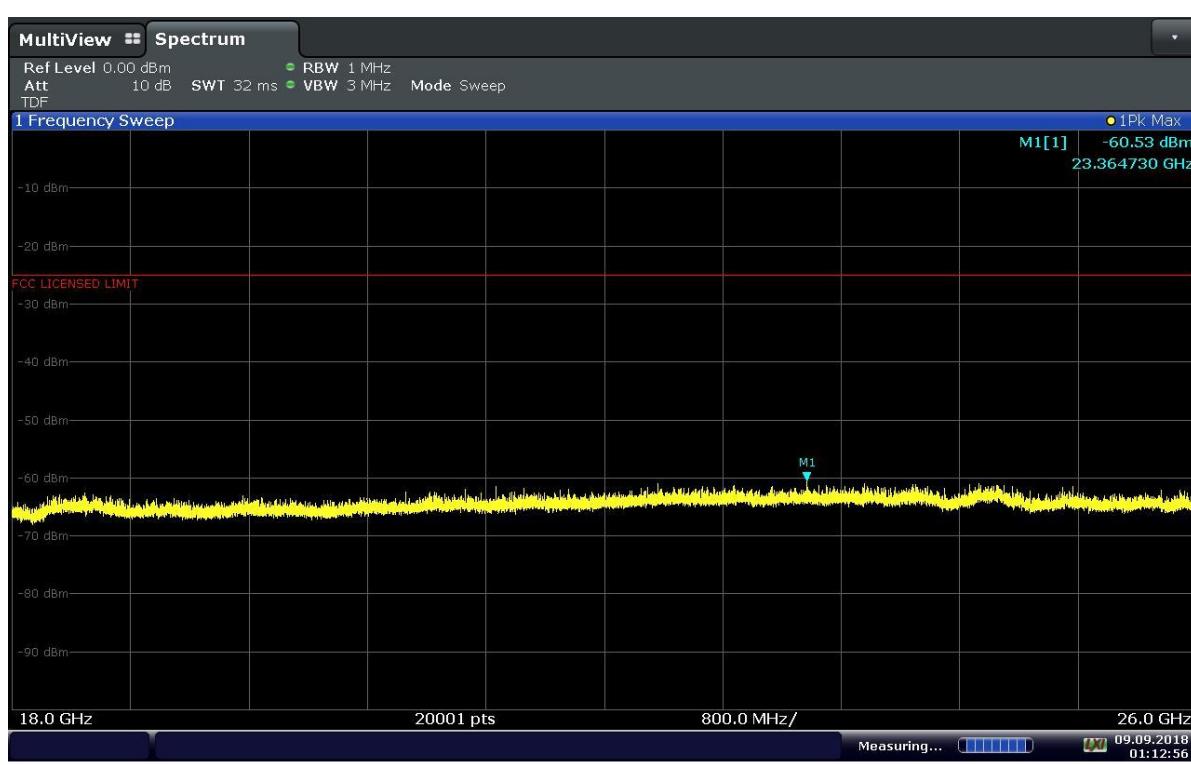
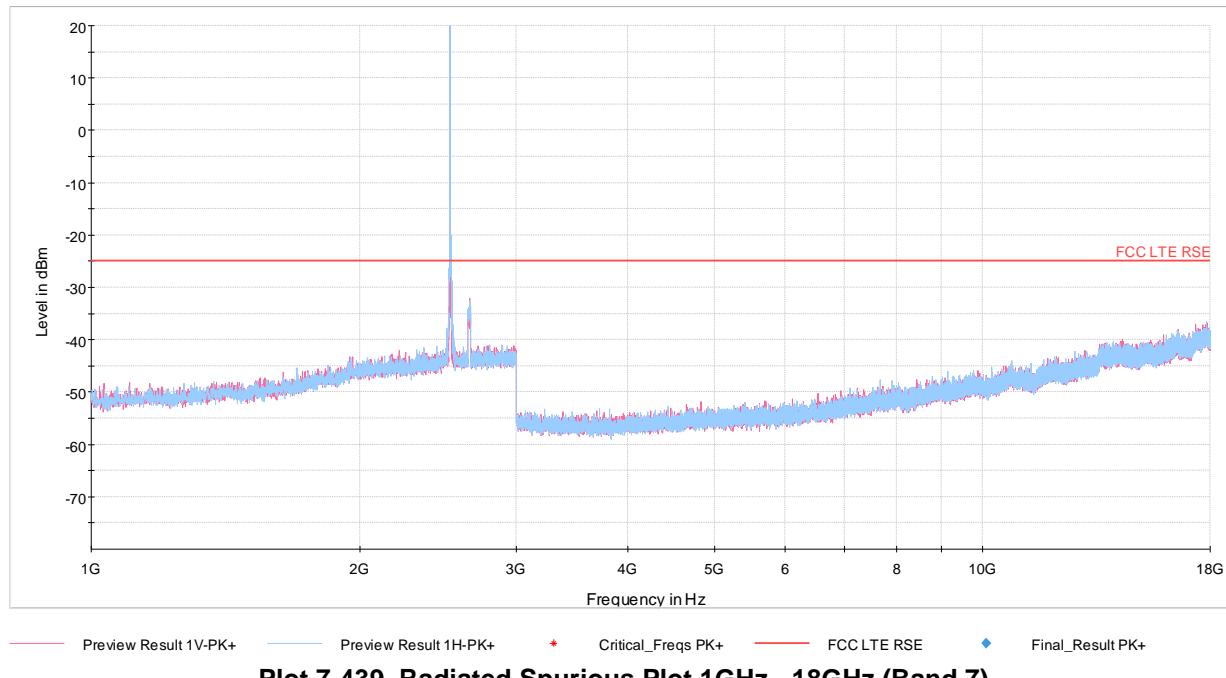
OPERATING FREQUENCY: 2312.50 MHz
CHANNEL: 27735
MODULATION SIGNAL: QPSK
BANDWIDTH: 5.0 MHz
DISTANCE: 3 meters
LIMIT: -40 dBm

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	-	-	-68.79	7.80	-60.99	-21.0
6937.50	H	-	-	-66.63	9.05	-57.58	-17.6
9250.00	H	-	-	-65.10	10.50	-54.60	-14.6

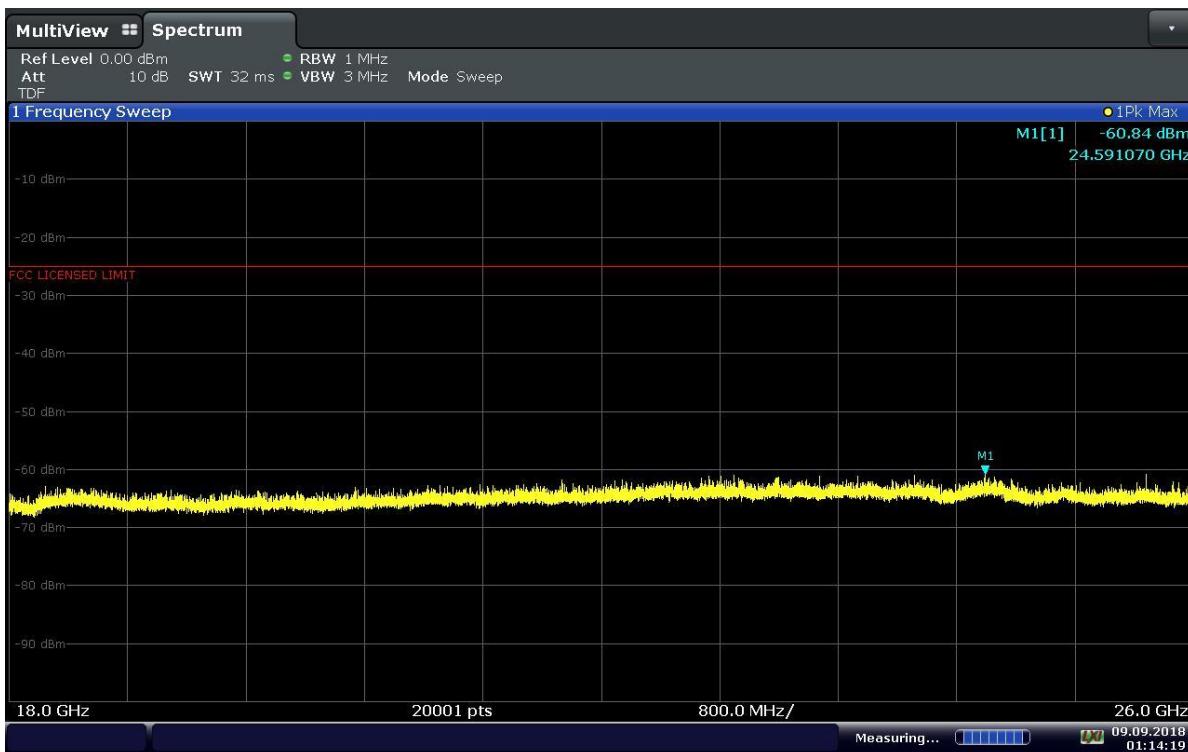
Table 7-80. Radiated Spurious Data (Band 30 – High Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

Band 7



FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 316 of 389



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Plot 7-441. Radiated Spurious Plot 18GHz – 26.5GHz V (Band 7)

OPERATING FREQUENCY: 2510.00 MHz
CHANNEL: 20850
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	-	-	-67.88	8.16	-59.72	-34.7
7530.00	V	285	130	-57.89	9.69	-48.20	-23.2
10040.00	V	-	-	-63.17	10.48	-52.68	-27.7
12550.00	V	-	-	-60.40	10.82	-49.58	-24.6
15060.00	V	-	-	-58.78	11.80	-46.98	-22.0

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

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-3-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 317 of 389	

OPERATING FREQUENCY: 2535.00 MHz
CHANNEL: 21100
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	-	-	-67.64	8.06	-59.59	-34.6
7605.00	V	279	133	-59.19	9.66	-49.53	-24.5
10140.00	V	-	-	-63.34	10.44	-52.89	-27.9
12675.00	V	-	-	-60.22	10.87	-49.35	-24.3
15210.00	V	-	-	-58.70	11.80	-46.90	-21.9

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

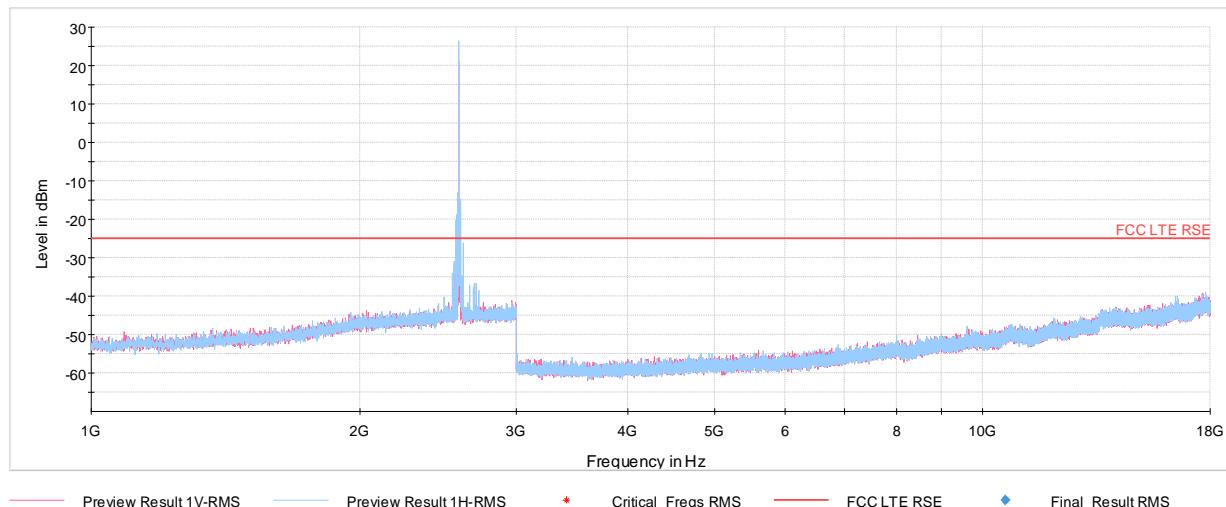
OPERATING FREQUENCY: 2560.00 MHz
CHANNEL: 21350
MODULATION SIGNAL: QPSK
BANDWIDTH: 20.0 MHz
DISTANCE: 3 meters
LIMIT: -25 dBm

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	-	-	-68.21	7.96	-60.25	-35.3
7680.00	V	290	143	-58.66	9.63	-49.04	-24.0
10240.00	V	-	-	-63.34	10.40	-52.93	-27.9
12800.00	V	-	-	-60.34	10.96	-49.38	-24.4
15360.00	V	-	-	-58.26	11.62	-46.64	-21.6

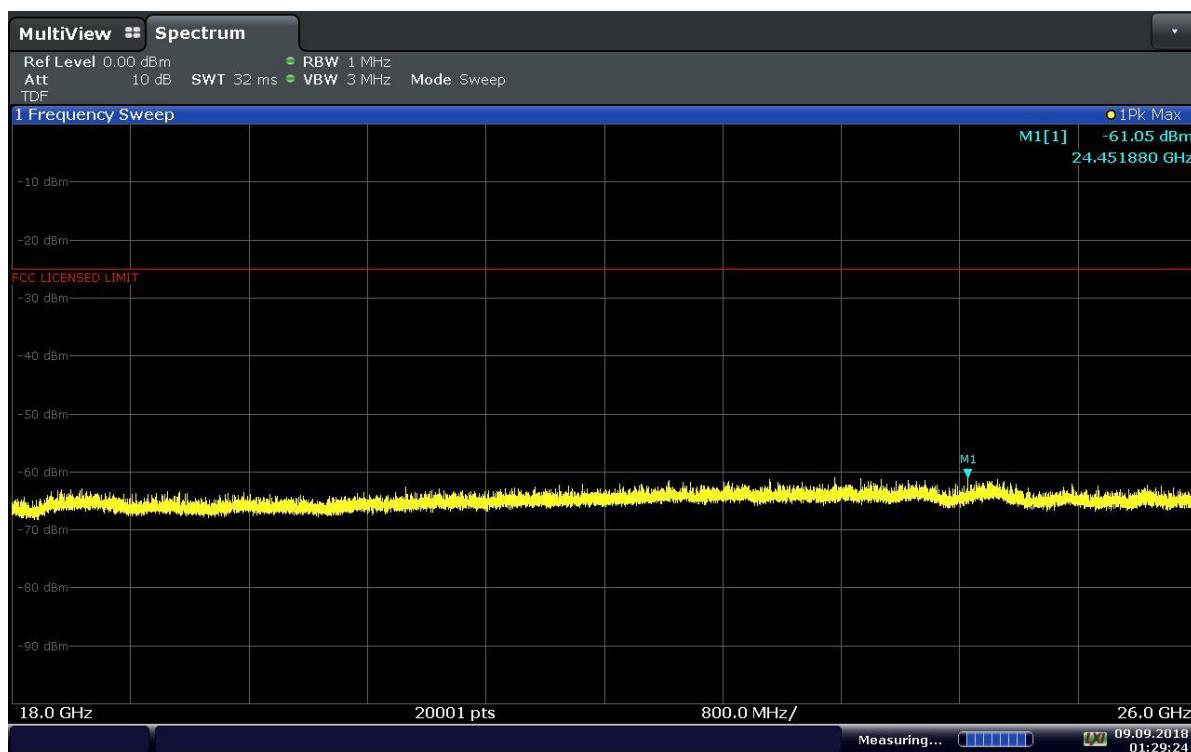
Table 7-83. Radiated Spurious Data (Band 7 – High Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

Band 41



Plot 7-442. Radiated Spurious Plot 1GHz - 18GHz (Band 41)



01:29:25 09.09.2018

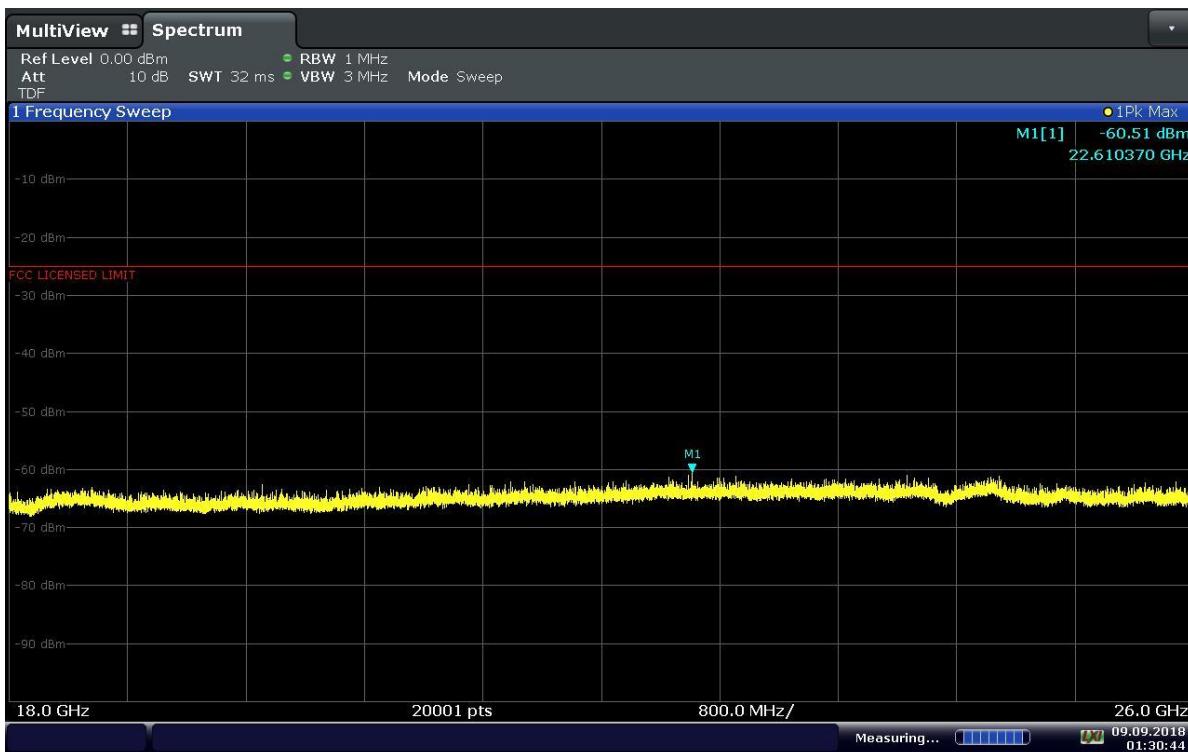
Plot 7-443. Radiated Spurious Plot 18GHz – 26.5GHz (Band 41)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 319 of 389	

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V 8.3 07/10/2018

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Plot 7-444. Radiated Spurious Plot 18GHz – 26.5GHz (Band 41)

OPERATING FREQUENCY: 2506.00 MHz
CHANNEL: 39750
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	-	-	-59.30	8.18	-51.13	-26.1
7518.00	V	102	168	-53.77	9.69	-44.08	-19.1
10024.00	V	-	-	-54.20	10.49	-43.71	-18.7
12530.00	V	-	-	-52.09	10.81	-41.28	-16.3
15036.00	V	-	-	-50.69	11.80	-38.89	-13.9

Table 7-84. Radiated Spurious Data (Band 41 – Low Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2593.00 MHz
CHANNEL: 40620
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	-	-	-58.20	7.83	-50.38	-25.4
7779.00	V	106	331	-54.94	9.66	-45.28	-20.3
10372.00	V	-	-	-53.63	10.30	-43.32	-18.3
12965.00	V	-	-	-52.07	11.16	-40.91	-15.9
15558.00	V	-	-	-49.40	11.28	-38.12	-13.1

Table 7-85. Radiated Spurious Data (Band 41 – Mid Channel)

OPERATING FREQUENCY: 2680.00 MHz
CHANNEL: 41490
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	-	-	-59.42	8.01	-51.41	-26.4
8040.00	V	-	-	-55.96	10.07	-45.90	-20.9
10720.00	V	-	-	-53.69	10.64	-43.05	-18.0

Table 7-86. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 321 of 389	

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

OPERATING FREQUENCY: 673.00 MHz
 CHANNEL: 133222
 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]
1346.00	H	-	-	-73.79	3.29	-70.50	-57.5
2019.00	H	-	-	-68.26	4.11	-64.15	-51.1
2692.00	H	-	-	-70.88	5.91	-64.97	-52.0

Table 7-87. Radiated Spurious Data (Band 71 – Low Channel)

OPERATING FREQUENCY: 680.50 MHz
 CHANNEL: 133297
 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]
1361.00	H	-	-	-73.46	3.43	-70.04	-57.0
2041.50	H	-	-	-69.34	4.24	-65.10	-52.1
2722.00	H	-	-	-70.05	5.96	-64.09	-51.1

Table 7-88. Radiated Spurious Data (Band 71 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 688.00 MHz
 CHANNEL: 133372
 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]
1376.00	H	-	-	-73.82	3.56	-70.26	-57.3
2064.00	H	-	-	-70.17	4.37	-65.79	-52.8
2752.00	H	-	-	-69.18	6.00	-63.18	-50.2

Table 7-89. Radiated Spurious Data (Band 71 – High Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 323 of 389	

Band 12/17

OPERATING FREQUENCY: 704.00 MHz
 CHANNEL: 23060
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1408.00	H	-	-	-71.70	3.84	-67.86	-54.9
2112.00	H	-	-	-70.07	4.65	-65.42	-52.4
2816.00	H	-	-	-68.06	6.03	-62.03	-49.0

Table 7-90. Radiated Spurious Data (Band 12/17 – Low Channel)

OPERATING FREQUENCY: 707.50 MHz
 CHANNEL: 23095
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1415.00	H	-	-	-72.02	3.90	-68.12	-55.1
2122.50	H	-	-	-70.13	4.71	-65.43	-52.4
2830.00	H	-	-	-68.70	6.03	-62.66	-49.7

Table 7-91. Radiated Spurious Data (Band 12/17 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 711.00 MHz
 CHANNEL: 23130
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1422.00	H	-	-	-71.63	3.96	-67.68	-54.7
2133.00	H	-	-	-70.24	4.77	-65.47	-52.5
2844.00	H	-	-	-69.14	6.04	-63.10	-50.1

Table 7-92. Radiated Spurious Data (Band 12/17 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 325 of 389	

Band 13

OPERATING FREQUENCY: 779.50 MHz
 CHANNEL: 23205
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2343.50	H	313	21	-69.37	5.48	-63.89	-50.9
3128.00	H	-	-	-69.66	6.67	-62.99	-50.0

Table 7-93. Radiated Spurious Data (Band 13 – Low Channel)

OPERATING FREQUENCY: 782.00 MHz
 CHANNEL: 23230
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2348.50	H	-	-	-69.47	5.48	-63.99	-51.0
3133.00	H	-	-	-69.68	6.70	-62.98	-50.0

Table 7-94. Radiated Spurious Data (Band 13 – Mid Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 326 of 389	

OPERATING FREQUENCY: 784.50 MHz
CHANNEL: 23255
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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2353.50	H	378	72	-69.21	5.49	-63.72	-50.7
3138.00	H	-	-	-69.75	6.72	-63.03	-50.0

Table 7-95. 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1559.00	H	-	-	-71.29	4.55	-66.74	-53.7
1564.00	H	-	-	-71.66	4.55	-67.11	-54.1
1569.00	H	-	-	-71.65	4.54	-67.11	-54.1

Table 7-96. Radiated Spurious Data (Band 13 – 1559-1610MHz Band)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 327 of 389	

Band 26/5

OPERATING FREQUENCY: 829.00 MHz
 CHANNEL: 26840
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	H	-	-	-70.00	4.47	-65.53	-52.5
2487.00	H	-	-	-67.31	5.59	-61.72	-48.7
3316.00	H	-	-	-68.26	7.23	-61.03	-48.0

Table 7-97. Radiated Spurious Data (Band 26/5 – Low Channel)

OPERATING FREQUENCY: 836.50 MHz
 CHANNEL: 26915
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.00	H	-	-	-69.73	4.46	-65.27	-52.3
2509.50	V	-	-	-67.32	5.62	-61.71	-48.7
3346.00	H	-	-	-68.59	7.24	-61.35	-48.4

Table 7-98. Radiated Spurious Data (Band 26/5 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 844.00 MHz
 CHANNEL: 26990
 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]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	H	-	-	-69.67	4.45	-65.22	-52.2
2532.00	H	-	-	-67.68	5.65	-62.03	-49.0
3376.00	H	-	-	-68.63	7.25	-61.38	-48.4

Table 7-99. Radiated Spurious Data (Band 26/5 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 329 of 389	

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

Band 66/4

OPERATING FREQUENCY: 1720.00 MHz
 CHANNEL: 132072
 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	-	-	-68.57	7.28	-61.30	-48.3
5160.00	H	-	-	-66.85	7.88	-58.98	-46.0
6880.00	H	-	-	-65.51	8.91	-56.59	-43.6

Table 7-100. Radiated Spurious Data (Band 66/4 – Low Channel)

OPERATING FREQUENCY: 1745.00 MHz
 CHANNEL: 132322
 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	-	-	-68.33	7.30	-61.03	-48.0
5235.00	H	-	-	-66.43	7.75	-58.68	-45.7
6980.00	H	-	-	-65.86	9.09	-56.76	-43.8

Table 7-101. Radiated Spurious Data (Band 66/4 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 1770.00 MHz
 CHANNEL: 132572
 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	-	-	-68.22	7.28	-60.94	-47.9
5310.00	H	-	-	-66.58	7.80	-58.78	-45.8
7080.00	H	-	-	-66.41	9.20	-57.21	-44.2

Table 7-102. Radiated Spurious Data (Band 66/4 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 331 of 389	

Band 25/2

OPERATING FREQUENCY: 1860.00 MHz
 CHANNEL: 26140
 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	-	-	-68.48	7.21	-61.27	-48.3
5580.00	H	-	-	-66.63	8.27	-58.36	-45.4
7440.00	H	-	-	-65.45	9.58	-55.86	-42.9

Table 7-103. Radiated Spurious Data (Band 25/2 – Low Channel)

OPERATING FREQUENCY: 1882.50 MHz
 CHANNEL: 26365
 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	-	-	-67.69	7.24	-60.44	-47.4
5647.50	H	-	-	-65.86	8.16	-57.70	-44.7
7530.00	H	-	-	-65.39	9.69	-55.70	-42.7

Table 7-104. Radiated Spurious Data (Band 25/2 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 1905.00 MHz
 CHANNEL: 26590
 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	-	-	-67.67	7.37	-60.30	-47.3
5715.00	H	-	-	-66.07	8.05	-58.01	-45.0
7620.00	H	-	-	-65.09	9.65	-55.44	-42.4

Table 7-105. Radiated Spurious Data (Band 25/2 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 333 of 389	

Band 30

OPERATING FREQUENCY: 2307.50 MHz
CHANNEL: 27685
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	-	-	-67.48	7.81	-59.67	-19.7
6922.50	H	-	-	-65.25	9.02	-56.23	-16.2
9230.00	H	-	-	-64.14	10.50	-53.64	-13.6

Table 7-106. Radiated Spurious Data (Band 30 – Low Channel)

OPERATING FREQUENCY: 2310.00 MHz
CHANNEL: 27710
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]
4620.00	H	-	-	-67.32	7.80	-59.52	-19.5
6930.00	H	-	-	-65.18	9.03	-56.14	-16.1
9240.00	H	-	-	-64.27	10.50	-53.77	-13.8

Table 7-107. Radiated Spurious Data (Band 30 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2312.50 MHz
CHANNEL: 27735
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	-	-	-67.59	7.80	-59.79	-19.8
6937.50	H	-	-	-65.30	9.05	-56.25	-16.3
9250.00	H	-	-	-64.09	10.50	-53.59	-13.6

Table 7-108. Radiated Spurious Data (Band 30 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 335 of 389	

Band 7

OPERATING FREQUENCY: 2510.00 MHz
 CHANNEL: 20850
 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	-	-	-67.96	8.16	-59.80	-34.8
7530.00	V	106	169	-61.09	9.69	-51.40	-26.4
10040.00	V	-	-	-63.17	10.48	-52.68	-27.7
12550.00	V	-	-	-60.64	10.82	-49.82	-24.8
15060.00	V	-	-	-58.81	11.80	-47.01	-22.0

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

OPERATING FREQUENCY: 2535.00 MHz
 CHANNEL: 21100
 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	-	-	-67.74	8.06	-59.69	-34.7
7605.00	V	104	171	-61.16	9.66	-51.50	-26.5
10140.00	V	-	-	-62.92	10.44	-52.47	-27.5
12675.00	V	-	-	-59.95	10.87	-49.08	-24.1
15210.00	V	-	-	-58.80	11.80	-47.00	-22.0

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

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2560.00 MHz
 CHANNEL: 21350
 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	-	-	-67.88	7.96	-59.92	-34.9
7680.00	V	105	170	-62.67	9.63	-53.05	-28.0
10240.00	V	-	-	-63.06	10.40	-52.65	-27.7
12800.00	V	-	-	-60.03	10.96	-49.07	-24.1
15360.00	V	-	-	-58.42	11.62	-46.80	-21.8

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

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 337 of 389	

Band 41

OPERATING FREQUENCY: 2506.00 MHz
 CHANNEL: 39750
 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	-	-	-59.84	8.18	-51.67	-26.7
7518.00	H	-	-	-56.61	9.69	-46.92	-21.9
10024.00	H	-	-	-54.79	10.49	-44.30	-19.3

Table 7-112. Radiated Spurious Data (Band 41 – Low Channel)

OPERATING FREQUENCY: 2593.00 MHz
 CHANNEL: 40620
 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	-	-	-57.81	7.83	-49.99	-25.0
7779.00	H	-	-	-56.81	9.66	-47.15	-22.2
10372.00	H	-	-	-53.94	10.30	-43.63	-18.6

Table 7-113. Radiated Spurious Data (Band 41 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2680.00 MHz
 CHANNEL: 41490
 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	-	-	-59.04	8.01	-51.03	-26.0
8040.00	H	-	-	-57.03	10.07	-46.97	-22.0
10720.00	H	-	-	-53.90	10.64	-43.26	-18.3

Table 7-114. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 339 of 389	

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

OPERATING FREQUENCY: 1720.00 MHz
 CHANNEL: 132072
 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	-	-	-69.82	7.28	-62.55	-49.5
5160.00	H	-	-	-68.60	7.88	-60.73	-47.7
6880.00	H	-	-	-66.38	8.91	-57.46	-44.5

Table 7-115. Radiated Spurious Data (Band 66/4 – Low Channel)

OPERATING FREQUENCY: 1745.00 MHz
 CHANNEL: 132322
 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	-	-	-69.40	7.30	-62.10	-49.1
5235.00	H	-	-	-68.05	7.75	-60.30	-47.3
6980.00	H	-	-	-66.91	9.09	-57.81	-44.8

Table 7-116. Radiated Spurious Data (Band 66/4 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 1770.00 MHz
 CHANNEL: 132572
 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	-	-	-69.12	7.28	-61.84	-48.8
5285.00	H	-	-	-68.10	7.80	-60.30	-47.3
7030.00	H	-	-	-66.95	9.20	-57.75	-44.7

Table 7-117. Radiated Spurious Data (Band 66/4 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 341 of 389	

Band 25/2

OPERATING FREQUENCY: 1860.00 MHz
 CHANNEL: 26140
 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	V	-	-	-69.51	7.21	-62.30	-49.3
5580.00	V	260	154	-63.92	8.27	-55.65	-42.7
7440.00	V	-	-	-65.83	9.58	-56.24	-43.2
9300.00	V	-	-	-64.47	10.54	-53.93	-40.9
11160.00	V	-	-	-62.30	10.86	-51.44	-38.4

Table 7-118. Radiated Spurious Data (Band 25/2 – Low Channel)

OPERATING FREQUENCY: 1882.50 MHz
 CHANNEL: 26365
 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	V	-	-	-69.09	7.24	-61.84	-48.8
5647.50	V	256	148	-63.34	8.16	-55.18	-42.2
7530.00	V	-	-	-66.05	9.69	-56.36	-43.4
9412.50	V	-	-	-64.15	10.63	-53.52	-40.5
11295.00	V	-	-	-62.33	10.88	-51.45	-38.5

Table 7-119. Radiated Spurious Data (Band 25/2 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 1905.00 MHz
CHANNEL: 26590
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	V	-	-	-68.74	7.37	-61.37	-48.4
5715.00	V	264	157	-64.70	8.05	-56.64	-43.6
7620.00	V	-	-	-66.20	9.65	-56.55	-43.5
9525.00	V	-	-	-64.04	10.67	-53.37	-40.4
11430.00	V	-	-	-62.34	10.83	-51.52	-38.5

Table 7-120. Radiated Spurious Data (Band 25/2 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 343 of 389	

Band 30

OPERATING FREQUENCY: 2307.50 MHz
 CHANNEL: 27685
 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	-	-	-68.71	7.81	-60.90	-20.9
6922.50	H	-	-	-66.27	9.02	-57.25	-17.3
9230.00	H	-	-	-64.75	10.50	-54.25	-14.3

Table 7-121. Radiated Spurious Data (Band 30 – Low Channel)

OPERATING FREQUENCY: 2310.00 MHz
 CHANNEL: 27710
 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]
4620.00	H	-	-	-68.77	7.80	-60.97	-21.0
6930.00	H	-	-	-66.37	9.03	-57.33	-17.3
9240.00	H	-	-	-64.85	10.50	-54.35	-14.3

Table 7-122. Radiated Spurious Data (Band 30 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2312.50 MHz
 CHANNEL: 27735
 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	-	-	-68.57	7.80	-60.77	-20.8
6937.50	H	-	-	-66.51	9.05	-57.46	-17.5
9250.00	H	-	-	-64.92	10.50	-54.42	-14.4

Table 7-123. Radiated Spurious Data (Band 30 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 345 of 389	

Band 7

OPERATING FREQUENCY: 2510.00 MHz
CHANNEL: 20850
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	-	-	-68.05	8.16	-59.89	-34.9
7530.00	V	-	-	-65.73	9.69	-56.04	-31.0
10040.00	V	-	-	-63.21	10.48	-52.72	-27.7

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

OPERATING FREQUENCY: 2535.00 MHz
CHANNEL: 21100
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	-	-	-67.77	8.06	-59.72	-34.7
7605.00	V	-	-	-65.93	9.66	-56.27	-31.3
10140.00	V	-	-	-63.18	10.44	-52.73	-27.7

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

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2560.00 MHz
 CHANNEL: 21350
 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	-	-	-68.04	7.96	-60.08	-35.1
7680.00	V	-	-	-66.43	9.63	-56.81	-31.8
10240.00	V	-	-	-63.33	10.40	-52.92	-27.9

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

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 347 of 389	

Band 41

OPERATING FREQUENCY: 2506.00 MHz
 CHANNEL: 39750
 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	-	-	-57.98	8.18	-49.81	-24.8
7518.00	H	-	-	-56.47	9.69	-46.78	-21.8
10024.00	H	-	-	-54.71	10.49	-44.22	-19.2

Table 7-127. Radiated Spurious Data (Band 41 – Low Channel)

OPERATING FREQUENCY: 2593.00 MHz
 CHANNEL: 40620
 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	-	-	-58.91	7.83	-51.09	-26.1
7779.00	H	-	-	-56.69	9.66	-47.03	-22.0
10372.00	H	-	-	-53.91	10.30	-43.60	-18.6

Table 7-128. Radiated Spurious Data (Band 41 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2680.00 MHz
 CHANNEL: 41490
 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	-	-	-59.04	8.01	-51.03	-26.0
8040.00	H	-	-	-56.46	10.07	-46.40	-21.4
10720.00	H	-	-	-53.38	10.64	-42.74	-17.7

Table 7-129. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 349 of 389	

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

OPERATING FREQUENCY: 1720.00 MHz
 CHANNEL: 132072
 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	-	-	-69.99	7.28	-62.72	-49.7
5160.00	H	-	-	-68.57	7.88	-60.70	-47.7
6880.00	H	-	-	-66.23	8.91	-57.31	-44.3

Table 7-130. Radiated Spurious Data (Band 66/4 – Low Channel)

OPERATING FREQUENCY: 1745.00 MHz
 CHANNEL: 132322
 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	-	-	-69.46	7.30	-62.16	-49.2
5222.50	H	-	-	-68.07	7.75	-60.32	-47.3
6955.00	H	-	-	-66.81	9.09	-57.71	-44.7

Table 7-131. Radiated Spurious Data (Band 66/4 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 1770.00 MHz
 CHANNEL: 132572
 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	-	-	-69.56	7.28	-62.28	-49.3
5310.00	H	-	-	-67.79	7.80	-59.99	-47.0
7080.00	H	-	-	-67.21	9.20	-58.01	-45.0

Table 7-132. Radiated Spurious Data (Band 66/4 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 351 of 389	

Band 25/2

OPERATING FREQUENCY: 1860.00 MHz
 CHANNEL: 26140
 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	-	-	-69.53	7.21	-62.32	-49.3
5580.00	H	-	-	-68.27	8.27	-60.00	-47.0
7440.00	H	-	-	-66.08	9.58	-56.49	-43.5

Table 7-133. Radiated Spurious Data (Band 25/2 – Low Channel)

OPERATING FREQUENCY: 1882.50 MHz
 CHANNEL: 26365
 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	-	-	-69.12	7.24	-61.87	-48.9
5647.50	H	-	-	-67.12	8.16	-58.96	-46.0
7530.00	H	-	-	-66.05	9.69	-56.36	-43.4

Table 7-134. Radiated Spurious Data (Band 25/2 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 1905.00 MHz
 CHANNEL: 26590
 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	-	-	-69.10	7.37	-61.73	-48.7
5715.00	H	-	-	-67.36	8.05	-59.30	-46.3
7620.00	H	-	-	-66.27	9.65	-56.62	-43.6

Table 7-135. Radiated Spurious Data (Band 25/2 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 353 of 389	

Band 30

OPERATING FREQUENCY: 2307.50 MHz
 CHANNEL: 27685
 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	-	-	-68.72	7.81	-60.91	-20.9
6922.50	V	350	25	-64.75	9.02	-55.73	-15.7
9230.00	H	-	-	-64.99	10.50	-54.49	-14.5
11537.50	H	-	-	-61.65	10.78	-50.87	-10.9
13845.00	H	-	-	-59.41	11.40	-48.01	-8.0

Table 7-136. Radiated Spurious Data (Band 30 – Low Channel)

OPERATING FREQUENCY: 2310.00 MHz
 CHANNEL: 27710
 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]
4620.00	H	-	-	-68.78	7.80	-60.98	-21.0
6930.00	V	390	345	-65.17	9.03	-56.13	-16.1
9240.00	H	-	-	-65.05	10.50	-54.55	-14.5
11550.00	H	-	-	-61.76	10.78	-50.98	-11.0
13860.00	H	-	-	-59.57	11.40	-48.17	-8.2

Table 7-137. Radiated Spurious Data (Band 30 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2312.50 MHz
 CHANNEL: 27735
 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	-	-	-68.64	7.80	-60.84	-20.8
6937.50	V	199	341	-65.35	9.05	-56.30	-16.3
9250.00	H	-	-	-65.13	10.50	-54.63	-14.6
11562.50	H	-	-	-61.49	10.77	-50.71	-10.7
13875.00	H	-	-	-59.45	11.40	-48.05	-8.1

Table 7-138. Radiated Spurious Data (Band 30 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 355 of 389	

Band 7

OPERATING FREQUENCY: 2510.00 MHz
 CHANNEL: 20850
 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	-	-	-68.01	8.16	-59.85	-34.9
7530.00	V	-	-	-65.84	9.69	-56.15	-31.1
10040.00	V	-	-	-63.49	10.48	-53.00	-28.0

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

OPERATING FREQUENCY: 2535.00 MHz
 CHANNEL: 21100
 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	-	-	-67.55	8.06	-59.50	-34.5
7605.00	V	-	-	-66.05	9.66	-56.39	-31.4
10140.00	V	-	-	-63.31	10.44	-52.86	-27.9

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

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2560.00 MHz
 CHANNEL: 21350
 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	-	-	-68.01	7.96	-60.05	-35.1
7680.00	V	-	-	-65.96	9.63	-56.34	-31.3
10240.00	V	-	-	-63.22	10.40	-52.81	-27.8

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

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 357 of 389	

Band 41

OPERATING FREQUENCY: 2506.00 MHz
 CHANNEL: 39750
 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	-	-	-58.74	8.18	-50.57	-25.6
7518.00	H	-	-	-56.40	9.69	-46.71	-21.7
10024.00	H	-	-	-54.36	10.49	-43.87	-18.9

Table 7-142. Radiated Spurious Data (Band 41 – Low Channel)

OPERATING FREQUENCY: 2593.00 MHz
 CHANNEL: 40620
 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	-	-	-58.37	7.83	-50.55	-25.5
7779.00	H	-	-	-56.31	9.66	-46.65	-21.7
10372.00	H	-	-	-54.21	10.30	-43.90	-18.9

Table 7-143. Radiated Spurious Data (Band 41 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY: 2680.00 MHz
 CHANNEL: 41490
 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	-	-	-58.84	8.01	-50.83	-25.8
8040.00	H	-	-	-56.82	10.07	-46.76	-21.8
10720.00	H	-	-	-53.75	10.64	-43.11	-18.1

Table 7-144. Radiated Spurious Data (Band 41 – High Channel)

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 359 of 389	

7.9 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: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 360 of 389

Test Setup

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

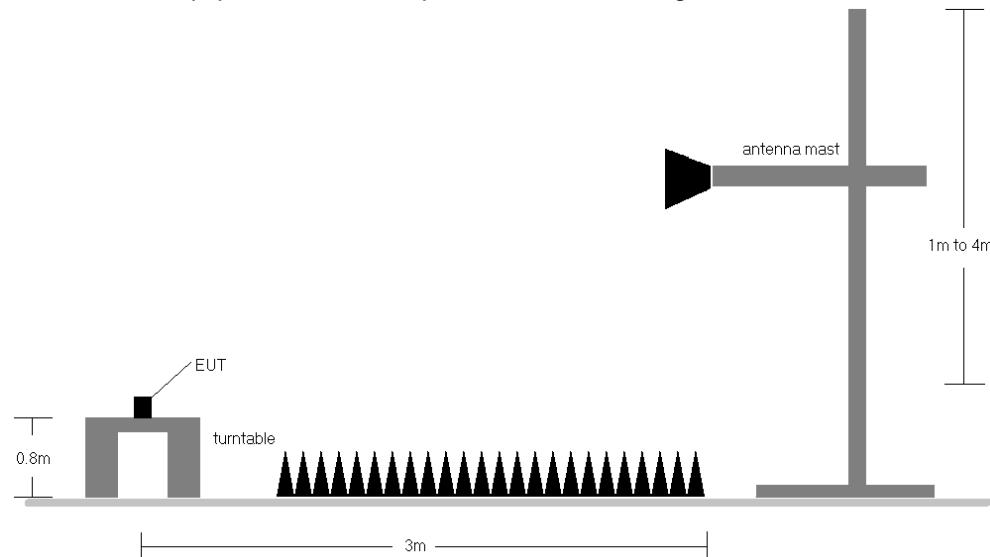
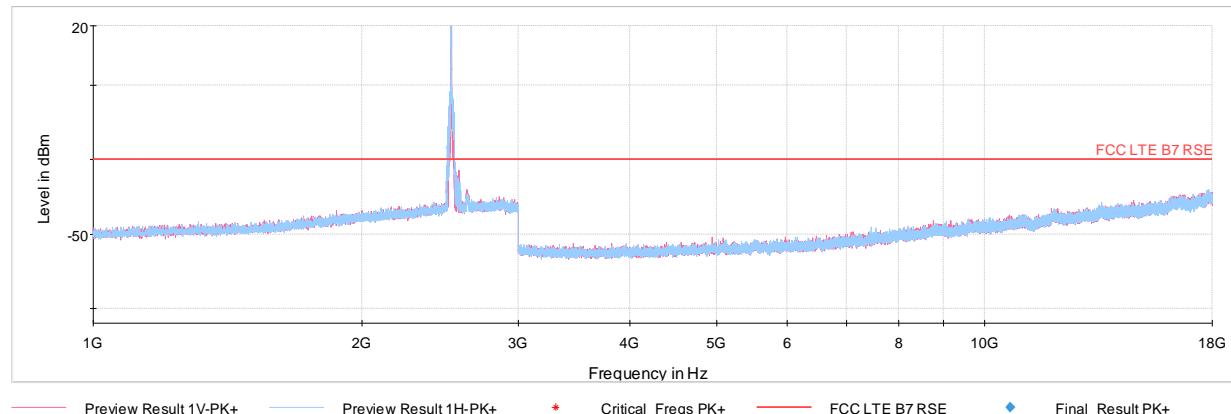


Figure 7-8. Test Instrument & Measurement Setup

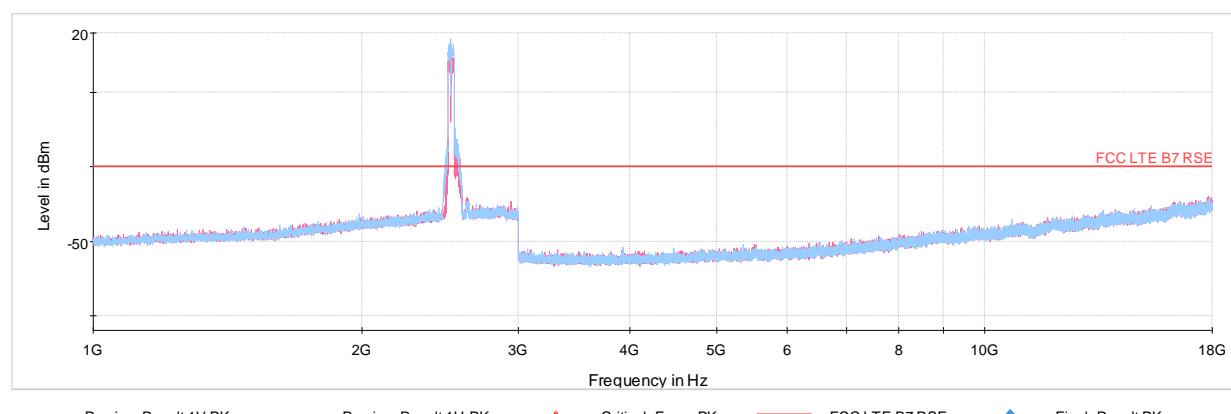
Test Notes

- 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.

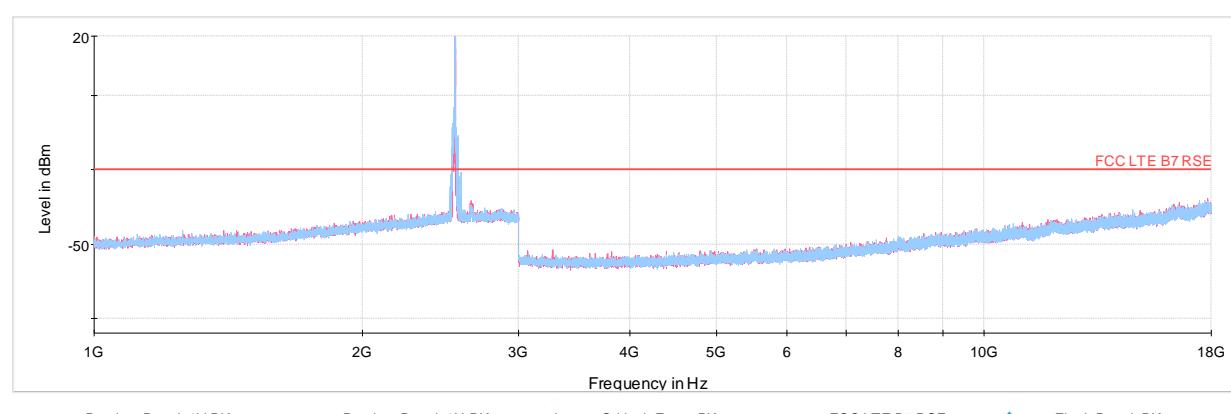
FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 361 of 389



Plot 7-445. Radiated Spurious Plot (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

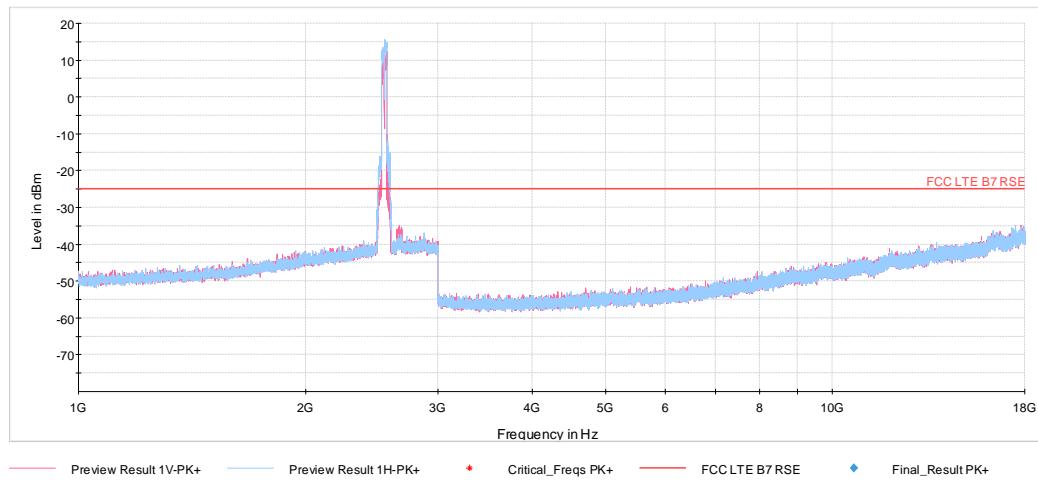


Plot 7-446. Radiated Spurious Plot (ULCA B7 PCC: RB 100 Offset 0, SCC: RB 100 Offset 0 – Low Channel)

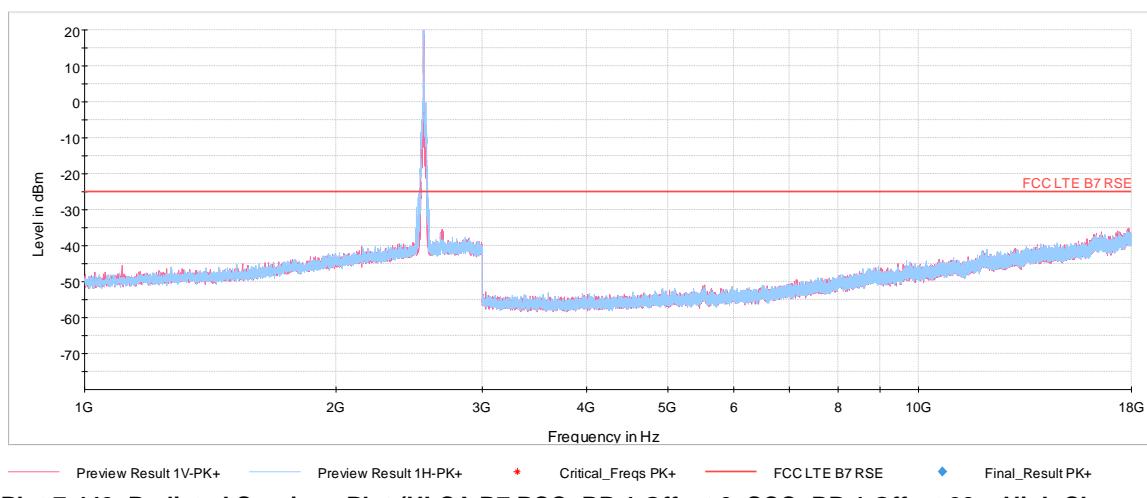


Plot 7-447. Radiated Spurious Plot (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

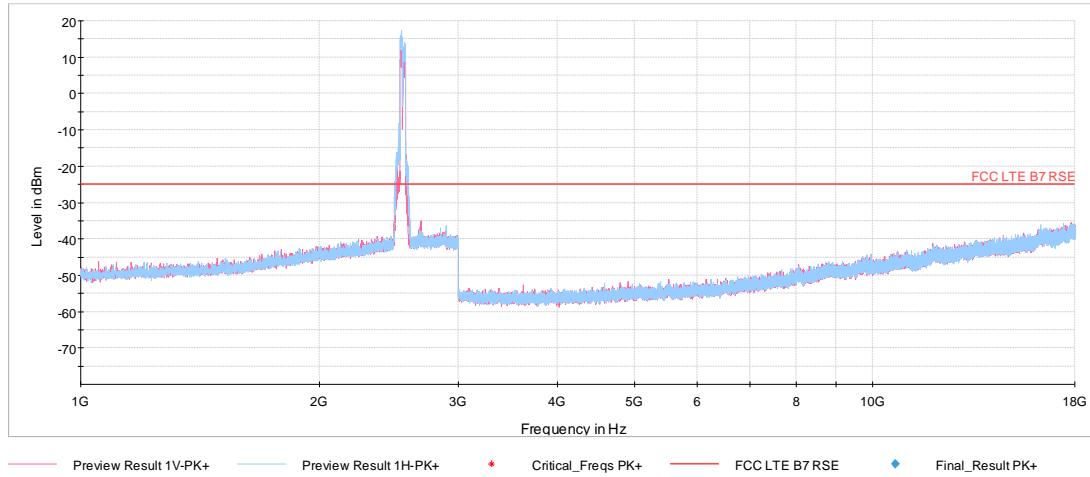
FCC ID: BCGA2014	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-3-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 362 of 389



Plot 7-448. Radiated Spurious Plot (ULCA B7 PCC: RB 100 Offset 0, SCC: RB 100 Offset 0 – Mid Channel)



Plot 7-449. Radiated Spurious Plot (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)



Plot 7-450. Radiated Spurious Plot (ULCA B7 PCC: RB 100 Offset 0, SCC: RB 100 Offset 0 – High Channel)

FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device		Page 363 of 389

OPERATING FREQUENCY (PCC):	2510.00	MHz
OPERATING FREQUENCY (SCC):	2529.80	MHz
CHANNEL (PCC):	20850	
CHANNEL (SCC):	21048	
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	-	-	-59.80	8.16	-51.64	-51.6
7530.00	H	-	-	-57.18	9.69	-47.49	-47.5
10040.00	H	-	-	-54.33	10.48	-43.85	-43.9

Table 7-145. 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
CHANNEL (PCC):	21100	
CHANNEL (SCC):	21298	
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	-	-	-61.79	8.06	-53.73	-53.7
7605.00	H	-	-	-58.35	9.66	-48.69	-48.7
10140.00	H	-	-	-56.90	10.44	-46.46	-46.5

Table 7-146. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

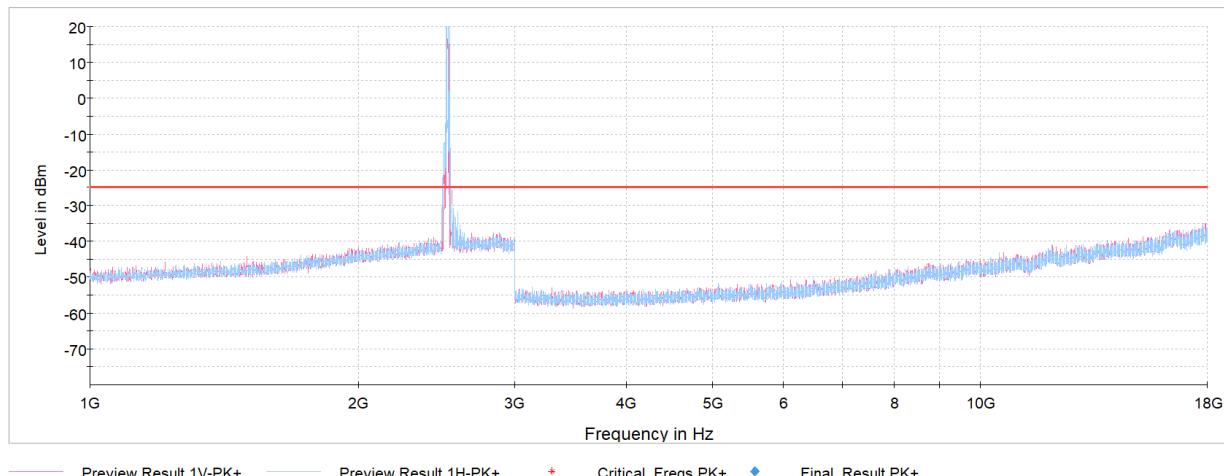
FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 364 of 389

OPERATING FREQUENCY (PCC):	2560.00	MHz
OPERATING FREQUENCY (SCC):	2540.20	MHz
CHANNEL (PCC):	21350	
CHANNEL (SCC):	21152	
MODULATION SIGNAL:	QPSK	
BANDWIDTH:	20.0	MHz
DISTANCE:	3	meters
LIMIT:	-25	dBm

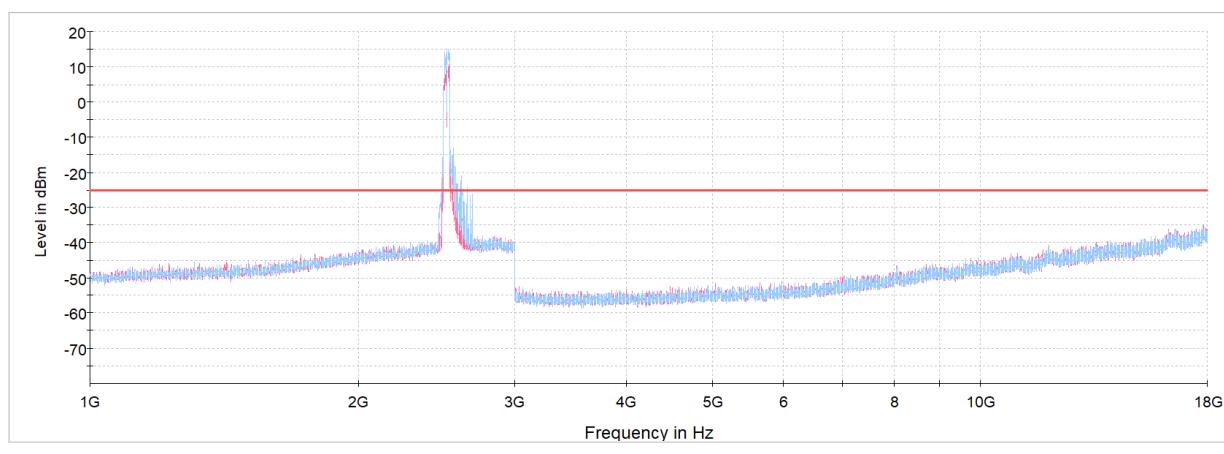
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-61.85	7.96	-53.89	-53.9
7680.00	H	-	-	-59.11	9.63	-49.48	-49.5
10240.00	H	-	-	-55.84	10.40	-45.44	-45.4

Table 7-147. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

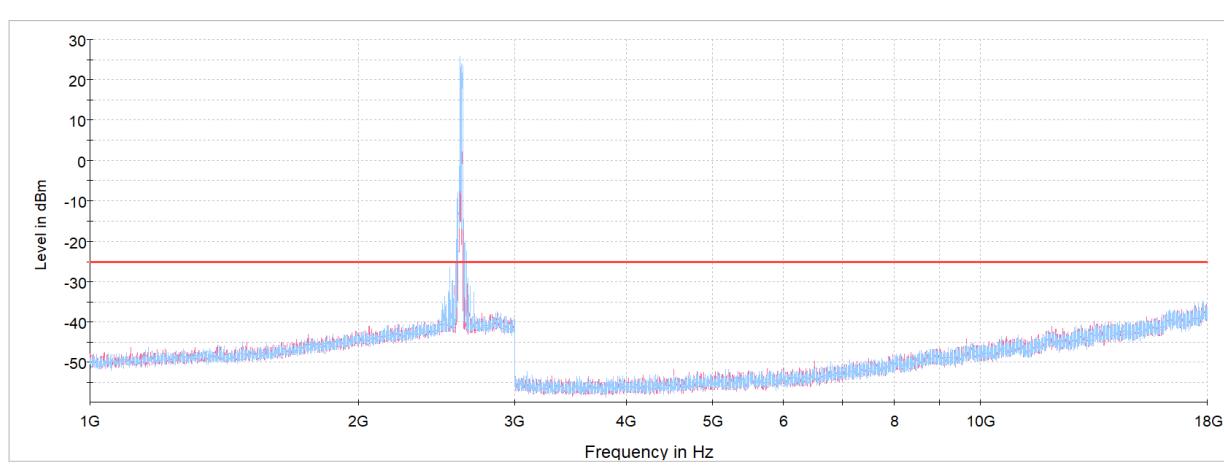
FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 365 of 389	



Plot 7-451. Radiated Spurious Plot (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

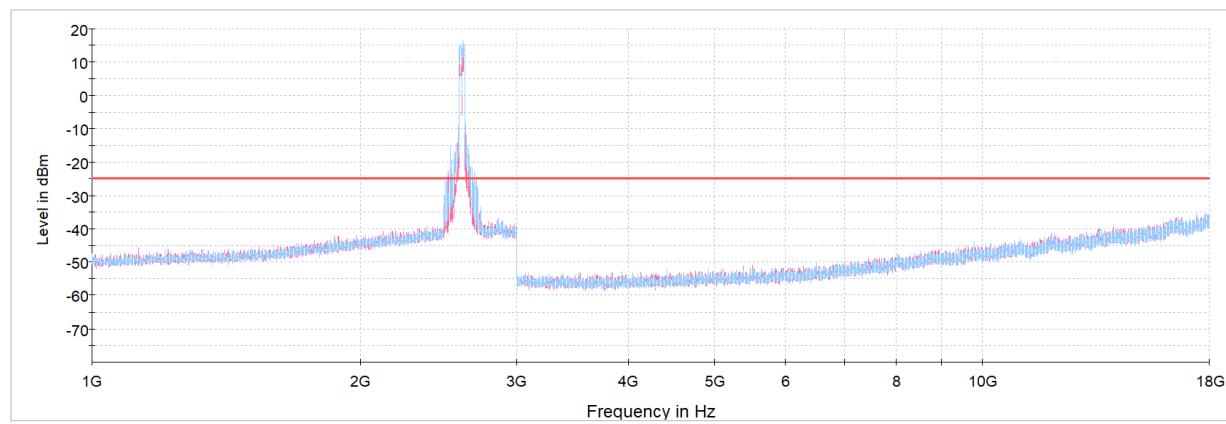


Plot 7-452. Radiated Spurious Plot (ULCA B41 PCC: RB 100 Offset 0, SCC: RB 100 Offset 0 – Low Channel)

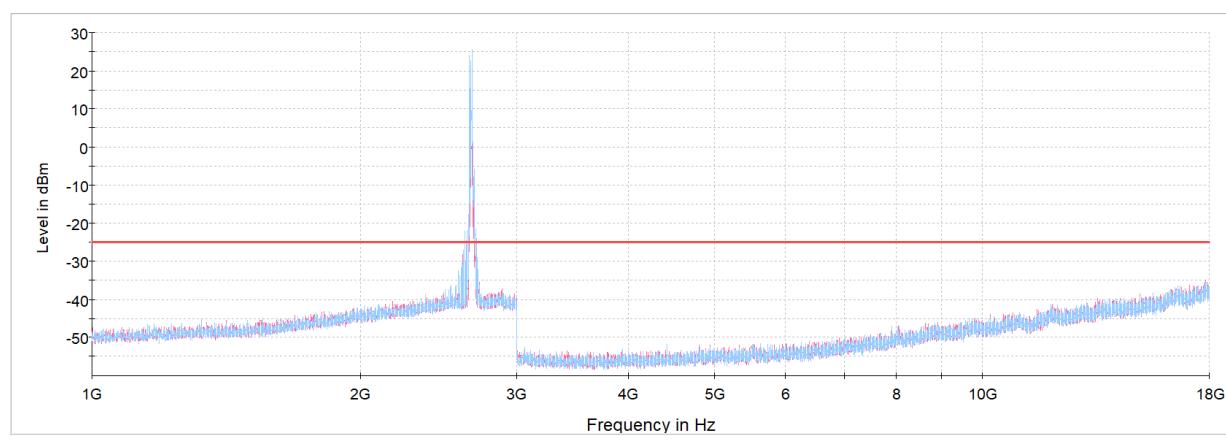


Plot 7-453. Radiated Spurious Plot (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

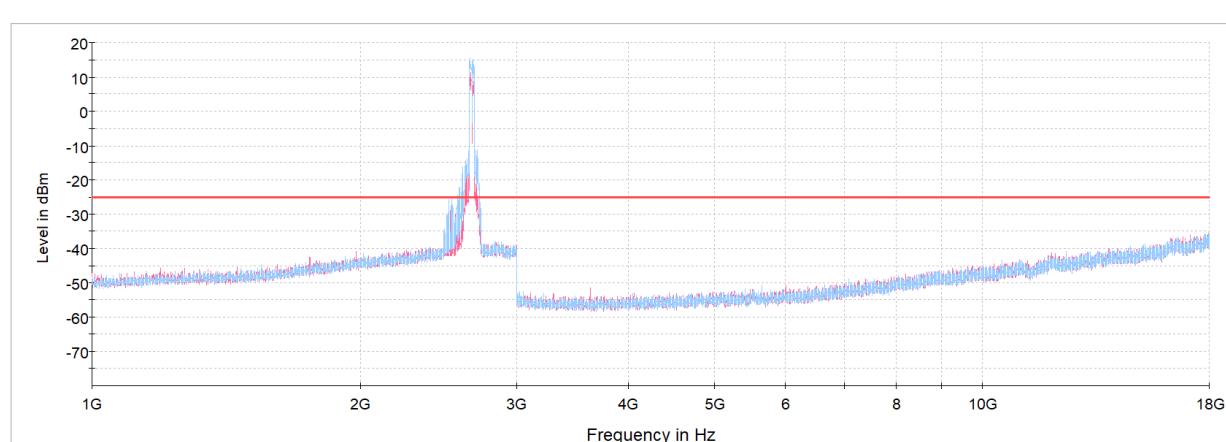
FCC ID: BCGA2014	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device		Page 366 of 389



Plot 7-454. Radiated Spurious Plot (ULCA B41 PCC: RB 100 Offset 0, SCC: RB 100 Offset 0 – Mid Channel)



Plot 7-455. Radiated Spurious Plot (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)



Plot 7-456. Radiated Spurious Plot (ULCA B41 PCC: RB 100 Offset 0, SCC: RB 100 Offset 0 – High Channel)

FCC ID: BCGA2014	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 367 of 389

OPERATING FREQUENCY (PCC): 2506.00 MHz
 OPERATING FREQUENCY (SCC): 2525.80 MHz
 CHANNEL (PCC): 39750
 CHANNEL (SCC): 39948
 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	-	-	-50.96	8.18	-42.78	-42.8
7518.00	H	-	-	-48.75	9.69	-39.06	-39.1
10024.00	H	-	-	-45.27	10.49	-34.78	-34.8

Table 7-148. 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
 CHANNEL (PCC): 40620
 CHANNEL (SCC): 40818
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: 0 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]
5330.80	H	-	-	-45.56	0.00	-45.56	-45.6
7996.20	H	-	-	-40.24	0.00	-40.24	-40.2
10661.60	H	-	-	-37.56	0.00	-37.56	-37.6

Table 7-149. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

OPERATING FREQUENCY (PCC): 2680.00 MHz
 OPERATING FREQUENCY (SCC): 2660.20 MHz
 CHANNEL (PCC): 41490
 CHANNEL (SCC): 41292
 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	-	-	-45.17	0.00	-45.17	-45.2
8040.00	H	-	-	-42.40	0.00	-42.40	-42.4
10720.00	H	-	-	-37.79	0.00	-37.79	-37.8

Table 7-150. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device			

7.10 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

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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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	680,500,003	3	0.0000004
100 %		- 20	680,500,003	3	0.0000004
100 %		- 10	680,500,003	3	0.0000004
100 %		0	680,500,003	3	0.0000005
100 %		+ 10	680,500,003	3	0.0000004
100 %		+ 20	680,500,003	3	0.0000004
100 %		+ 30	680,500,004	4	0.0000005
100 %		+ 40	680,500,003	3	0.0000004
100 %		+ 50	680,500,002	2	0.0000003
BATT. ENDPOINT	3.40	+ 20	680,500,004	4	0.0000005

Table 7-151. 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.

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device

Band 71 Frequency Stability Measurements

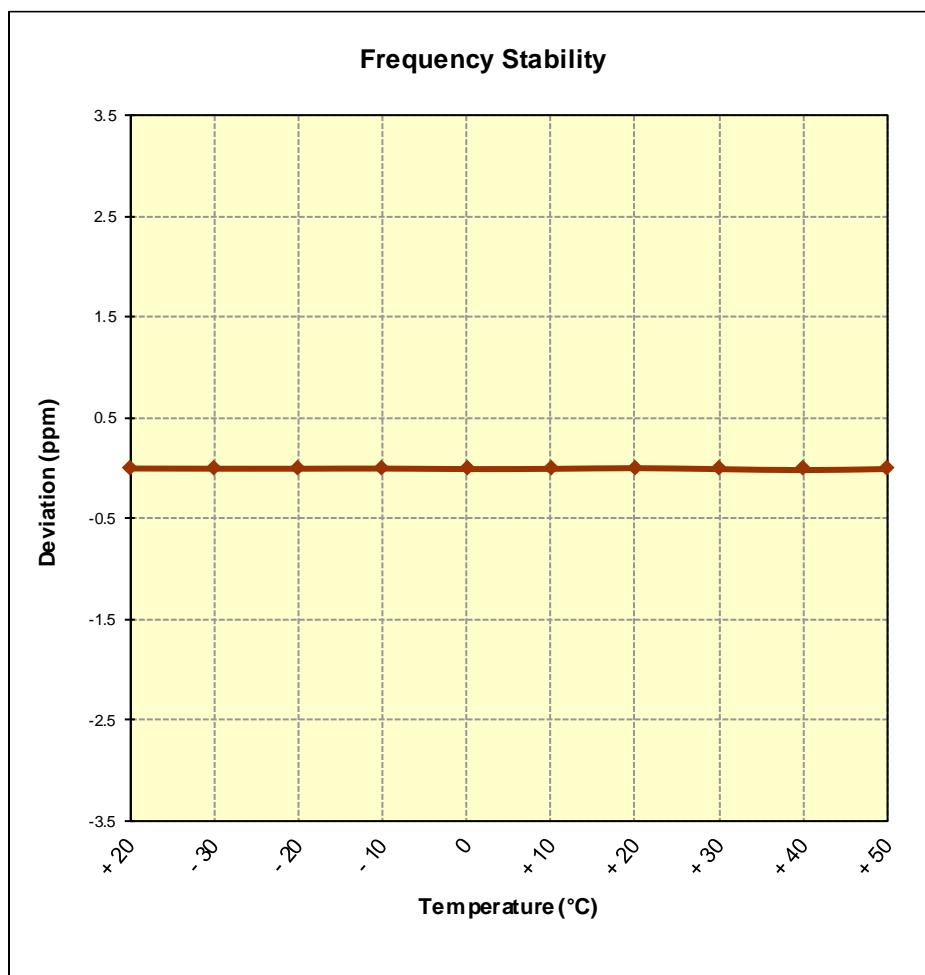


Figure 7-9. Frequency Stability Graph (Band 71)

FCC ID: BCGA2014		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 372 of 389	

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	707,500,003	3	0.0000005
100 %		- 20	707,500,003	3	0.0000005
100 %		- 10	707,500,004	4	0.0000005
100 %		0	707,500,003	3	0.0000004
100 %		+ 10	707,500,003	3	0.0000004
100 %		+ 20	707,500,004	4	0.0000006
100 %		+ 30	707,500,003	3	0.0000004
100 %		+ 40	707,500,001	1	0.0000001
100 %		+ 50	707,500,003	3	0.0000004
BATT. ENDPOINT	3.40	+ 20	707,500,005	5	0.0000006

Table 7-152. 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: BCGA2014		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device		

Band 12/17 Frequency Stability Measurements

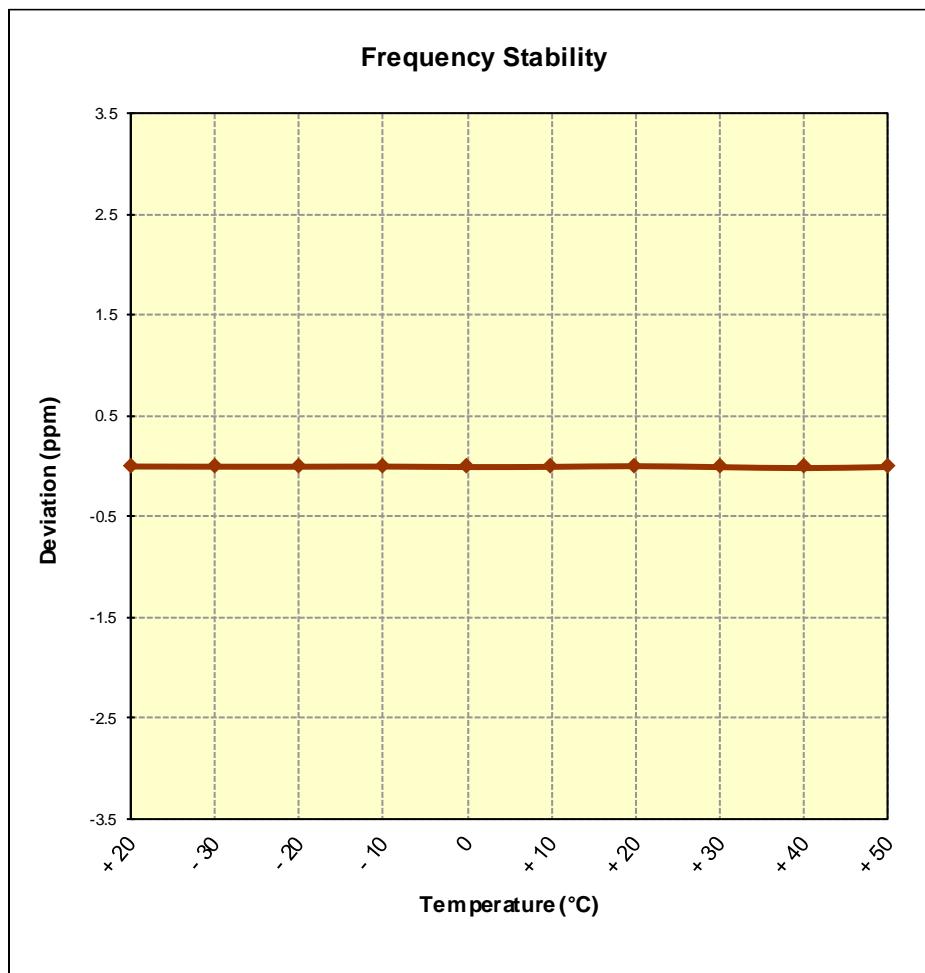


Figure 7-10. Frequency Stability Graph (Band 12/17)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 13 Frequency Stability Measurements

OPERATING FREQUENCY: 782,000,000 Hz

CHANNEL: 23230

REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	782,000,003	3	0.0000004
100 %		- 20	782,000,004	4	0.0000005
100 %		- 10	782,000,003	3	0.0000004
100 %		0	782,000,003	3	0.0000004
100 %		+ 10	782,000,004	4	0.0000005
100 %		+ 20	782,000,003	3	0.0000004
100 %		+ 30	782,000,003	3	0.0000004
100 %		+ 40	782,000,005	5	0.0000006
100 %		+ 50	782,000,003	3	0.0000004
BATT. ENDPOINT	3.40	+ 20	782,000,005	5	0.0000006

Table 7-153. 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.

FCC ID: BCGA2014		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 13 Frequency Stability Measurements

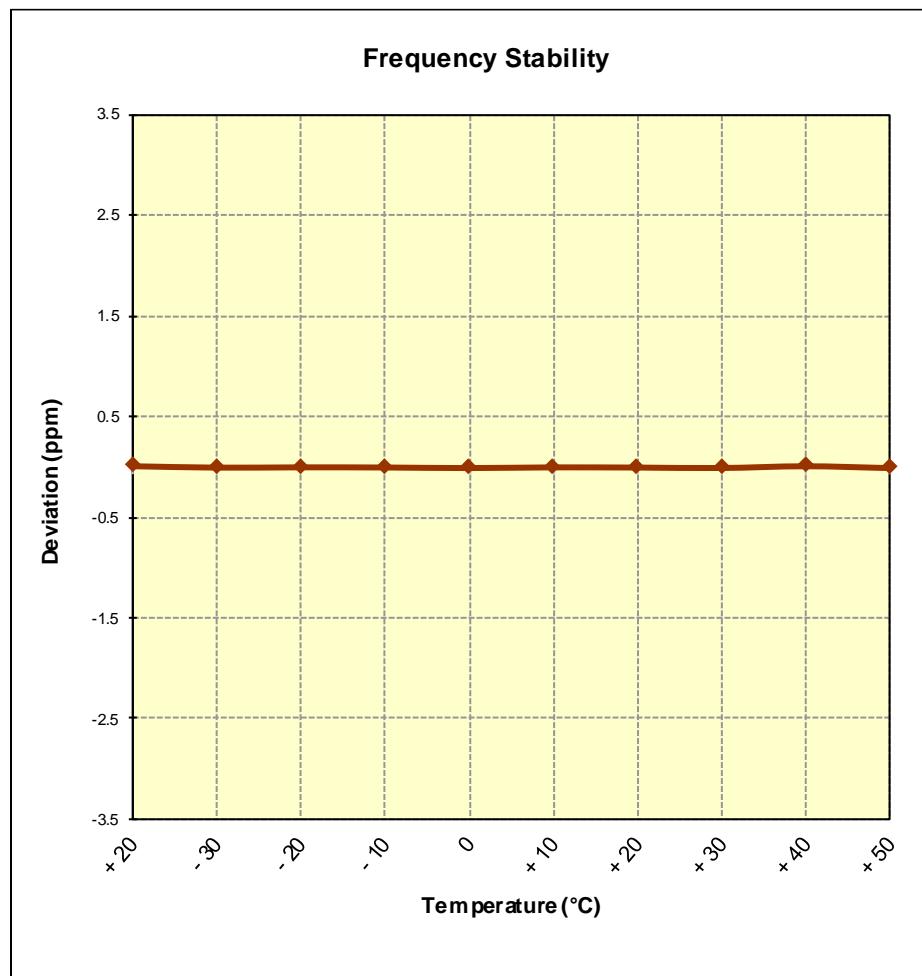


Figure 7-11. Frequency Stability Graph (Band 13)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 376 of 389	

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	836,500,003	3	0.0000003
100 %		- 20	836,500,004	4	0.0000005
100 %		- 10	836,500,002	2	0.0000003
100 %		0	836,500,003	3	0.0000004
100 %		+ 10	836,500,004	4	0.0000005
100 %		+ 20	836,500,004	4	0.0000004
100 %		+ 30	836,500,005	5	0.0000005
100 %		+ 40	836,500,004	4	0.0000004
100 %		+ 50	836,500,004	4	0.0000004
BATT. ENDPOINT	3.40	+ 20	836,500,004	4	0.0000004

Table 7-154. Frequency Stability Data (Band 26/5)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 377 of 389	

Band 26/5 Frequency Stability Measurements

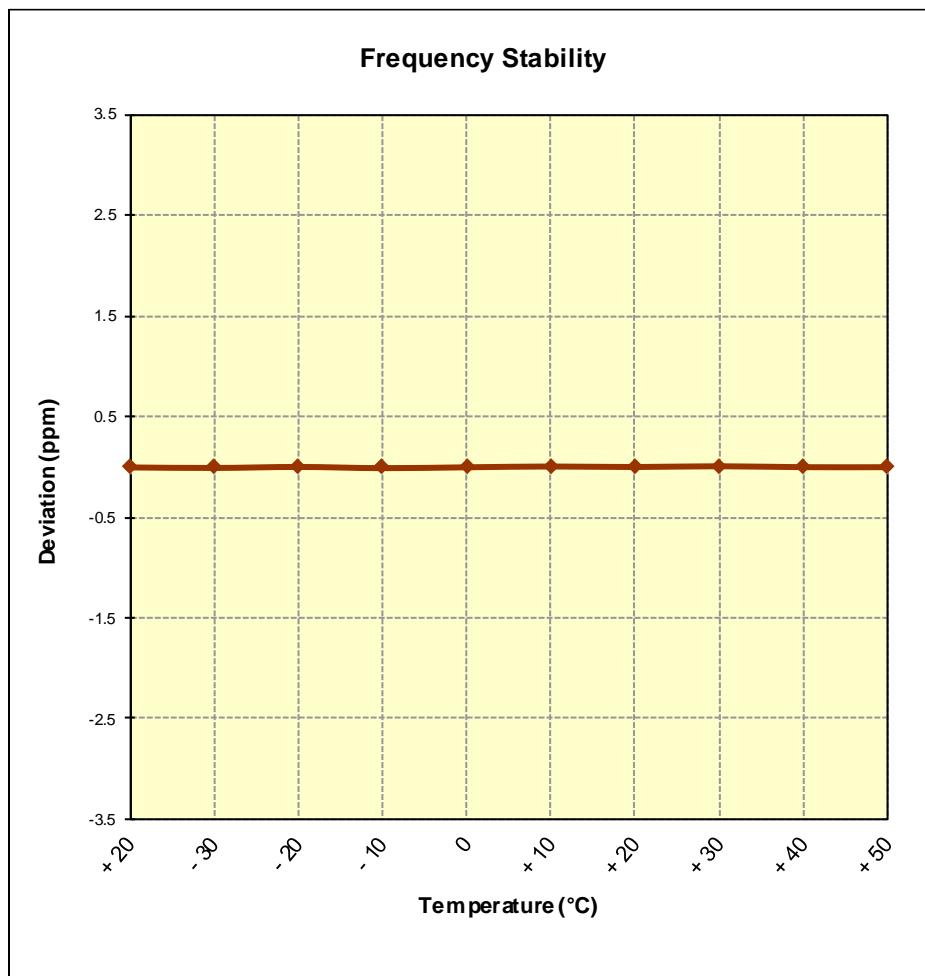


Figure 7-12. Frequency Stability Graph (Band 26/5)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 378 of 389	

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	1,745,000,007	7	0.0000004
100 %		- 20	1,745,000,008	8	0.0000005
100 %		- 10	1,745,000,008	8	0.0000005
100 %		0	1,745,000,007	7	0.0000004
100 %		+ 10	1,745,000,008	8	0.0000005
100 %		+ 20	1,745,000,007	7	0.0000004
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	3.40	+ 20	1,745,000,006	6	0.0000003

Table 7-155. 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: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 379 of 389

Band 66/4 Frequency Stability Measurements

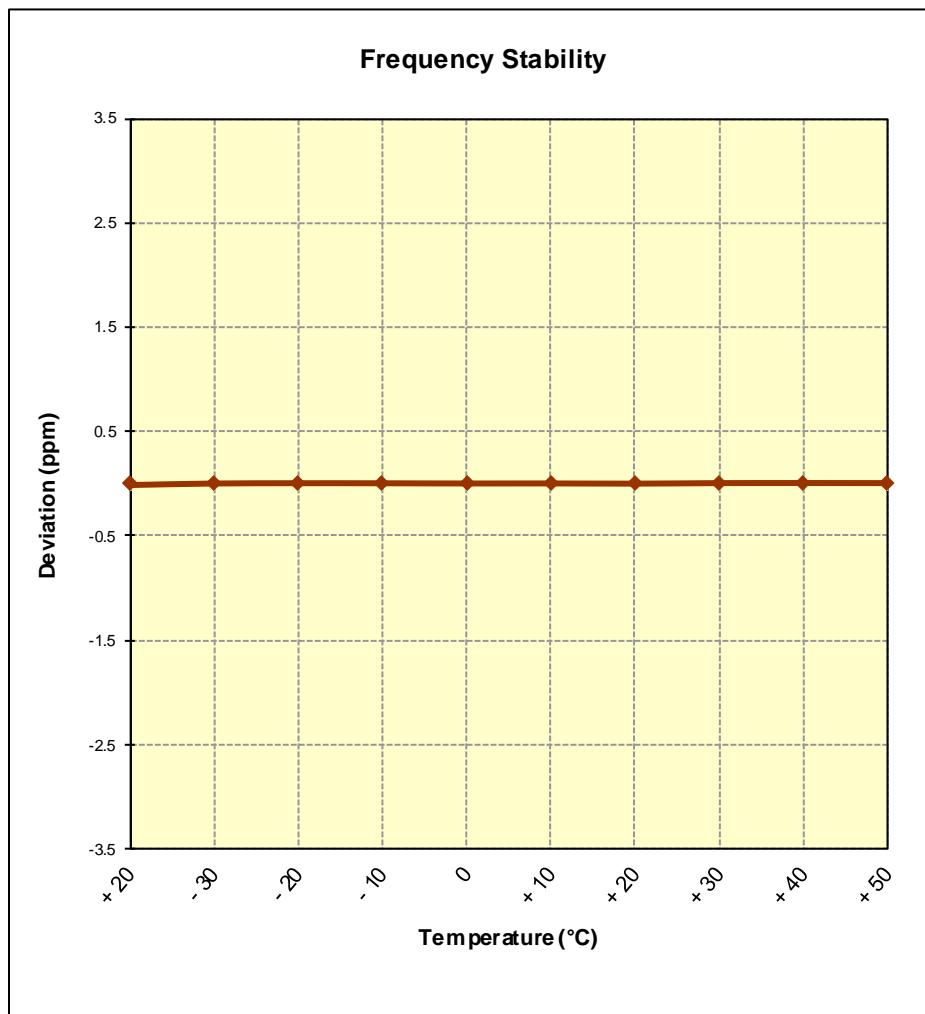


Figure 7-13. Frequency Stability Graph (Band 66/4)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 380 of 389	

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	1,882,500,006	6	0.0000003
100 %		- 20	1,882,500,007	7	0.0000004
100 %		- 10	1,882,500,007	7	0.0000004
100 %		0	1,882,500,009	9	0.0000005
100 %		+ 10	1,882,500,007	7	0.0000004
100 %		+ 20	1,882,500,007	7	0.0000004
100 %		+ 30	1,882,500,006	6	0.0000003
100 %		+ 40	1,882,500,007	7	0.0000004
100 %		+ 50	1,882,500,008	8	0.0000004
BATT. ENDPOINT	3.40	+ 20	1,882,500,004	4	0.0000002

Table 7-156. Frequency Stability Data (Band 25/2)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 381 of 389

Band 25/2 Frequency Stability Measurements

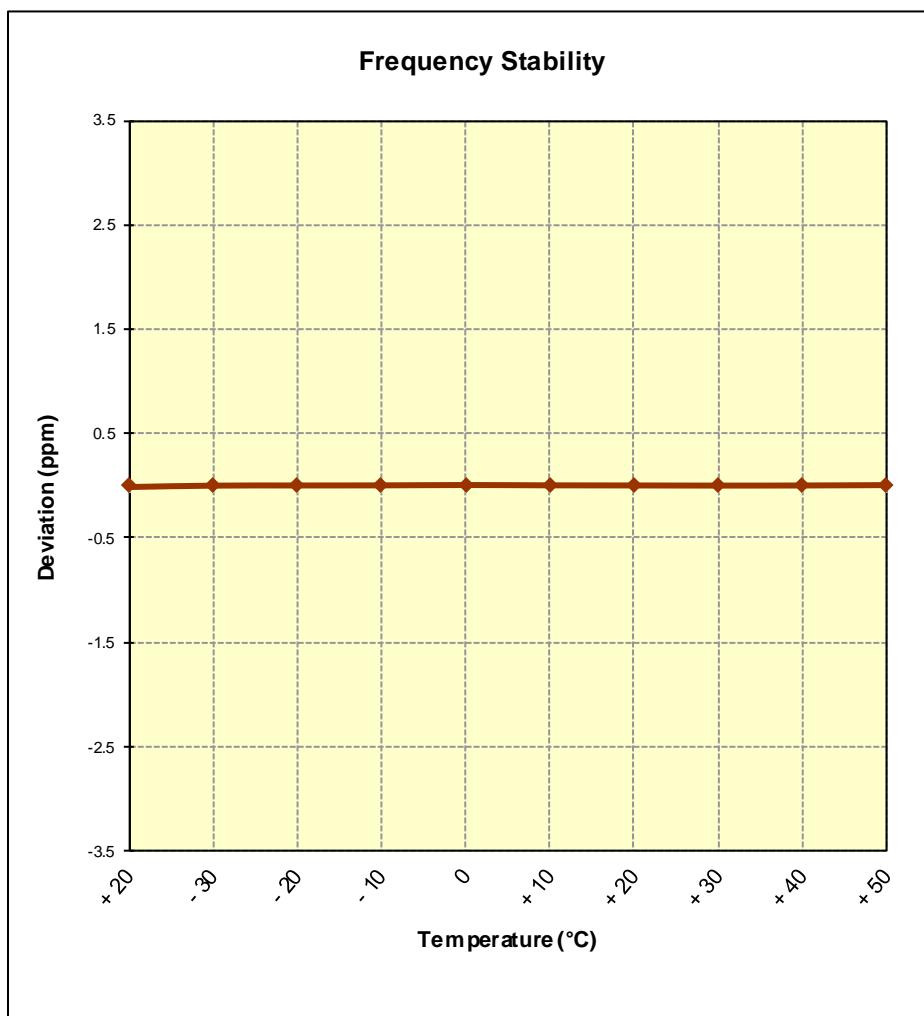


Figure 7-14. Frequency Stability Graph (Band 25/2)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 382 of 389

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	2,310,000,007	7	0.0000003
100 %		- 20	2,310,000,007	7	0.0000003
100 %		- 10	2,310,000,008	8	0.0000003
100 %		0	2,310,000,008	8	0.0000003
100 %		+ 10	2,310,000,008	8	0.0000003
100 %		+ 20	2,310,000,007	7	0.0000003
100 %		+ 30	2,310,000,013	13	0.0000006
100 %		+ 40	2,310,000,009	9	0.0000004
100 %		+ 50	2,310,000,008	8	0.0000003
BATT. ENDPOINT	3.40	+ 20	2,310,000,007	7	0.0000003

Table 7-157. 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: BCGA2014		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 30 Frequency Stability Measurements

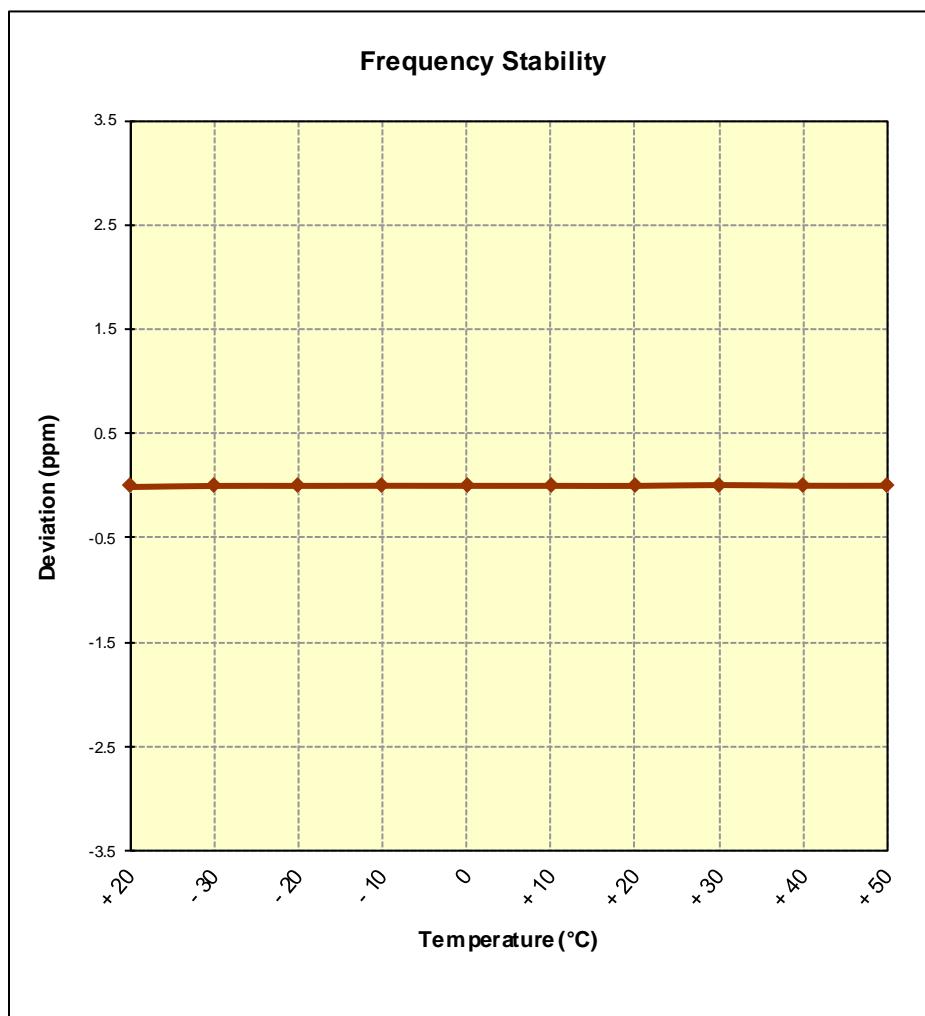


Figure 7-15. Frequency Stability Graph (Band 30)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 384 of 389	

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	2,535,000,008	8	0.0000003
100 %		- 20	2,535,000,007	7	0.0000003
100 %		- 10	2,535,000,009	9	0.0000003
100 %		0	2,535,000,009	9	0.0000003
100 %		+ 10	2,535,000,008	8	0.0000003
100 %		+ 20	2,535,000,009	9	0.0000003
100 %		+ 30	2,535,000,008	8	0.0000003
100 %		+ 40	2,535,000,010	10	0.0000004
100 %		+ 50	2,535,000,007	7	0.0000003
BATT. ENDPOINT	3.40	+ 20	2,535,000,006	6	0.0000002

Table 7-158. 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: BCGA2014		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 7 Frequency Stability Measurements

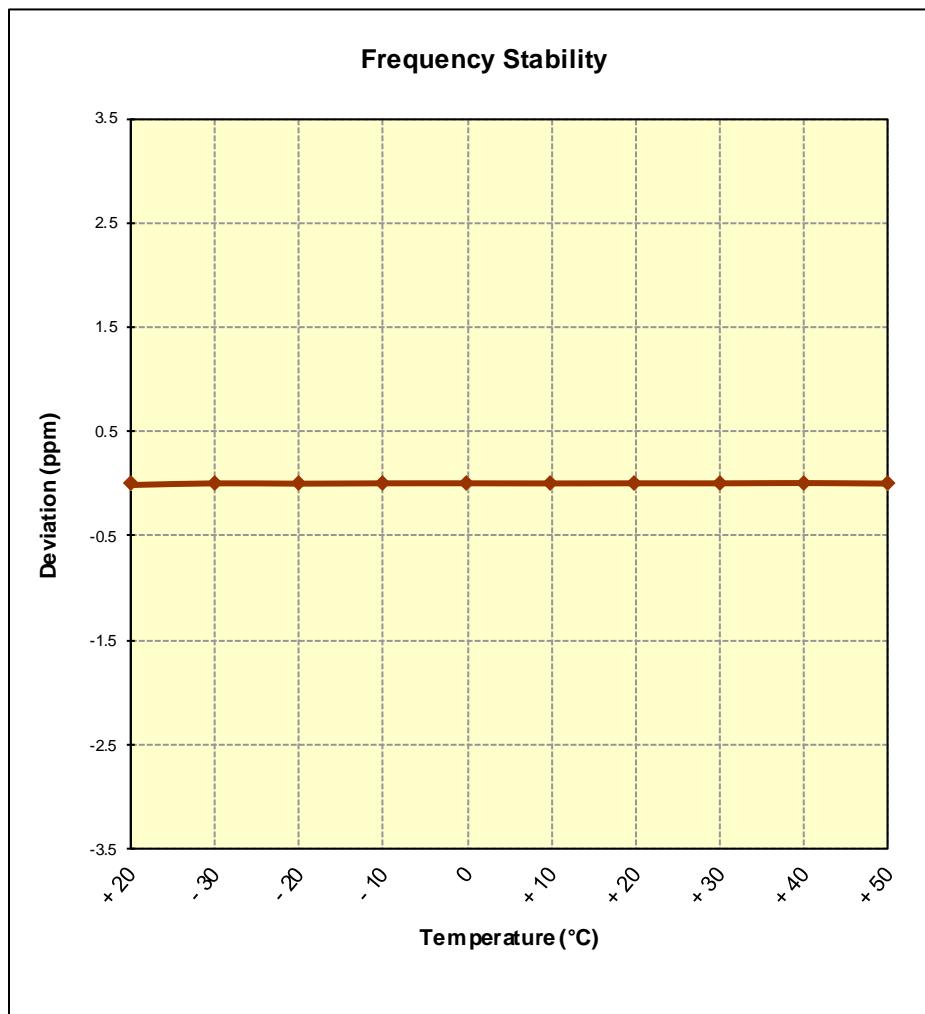


Figure 7-16. Frequency Stability Graph (Band 7)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 386 of 389

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	2,593,000,009	9	0.0000004
100 %		- 20	2,593,000,010	10	0.0000004
100 %		- 10	2,593,000,007	7	0.0000003
100 %		0	2,593,000,010	10	0.0000004
100 %		+ 10	2,593,000,010	10	0.0000004
100 %		+ 20	2,593,000,008	8	0.0000003
100 %		+ 30	2,593,000,009	9	0.0000003
100 %		+ 40	2,593,000,010	10	0.0000004
100 %		+ 50	2,593,000,009	9	0.0000003
BATT. ENDPOINT	3.40	+ 20	2,593,000,005	5	0.0000002

Table 7-159. 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: BCGA2014		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 387 of 389

Band 41 Frequency Stability Measurements

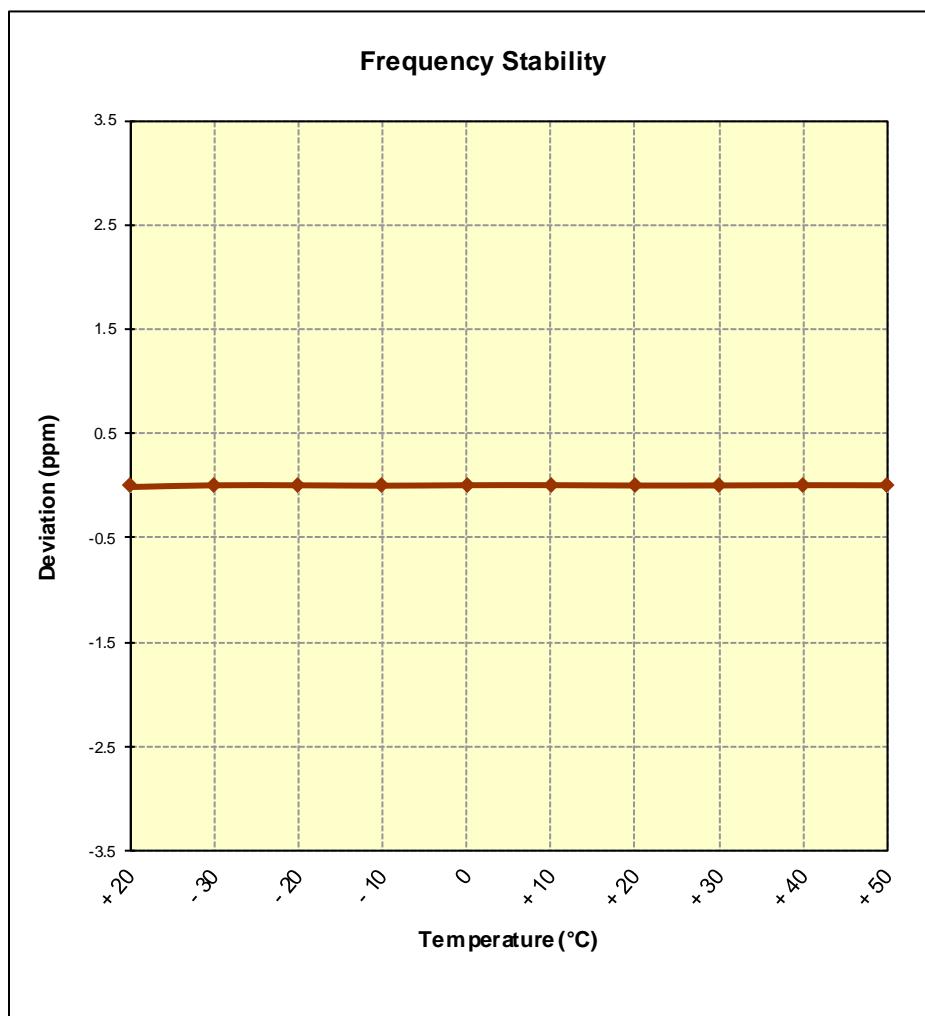


Figure 7-17. Frequency Stability Graph (Band 41)

FCC ID: BCGA2014	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 388 of 389

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA2014** complies with all the requirements of Part 22, 24, & 27 of the FCC Rules for LTE operation only.

FCC ID: BCGA2014	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050011-03-R1.BCG	Test Dates: 07/26/2018 - 10/12/2018	EUT Type: Tablet Device	Page 389 of 389