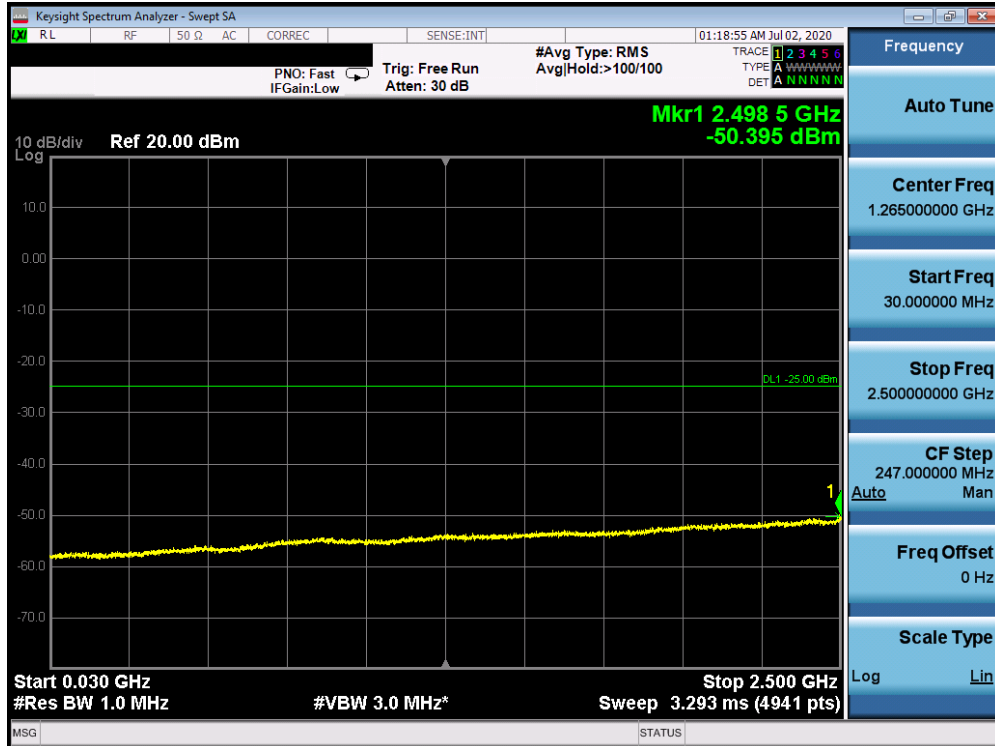
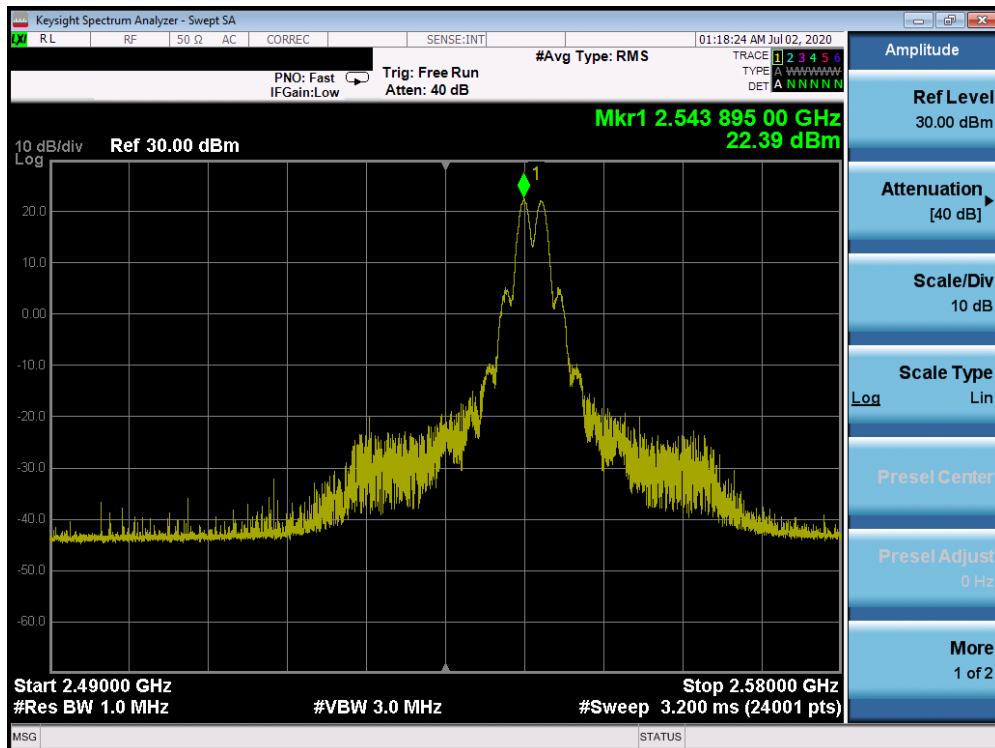


Band 7



Plot 7-424. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)



Plot 7-425. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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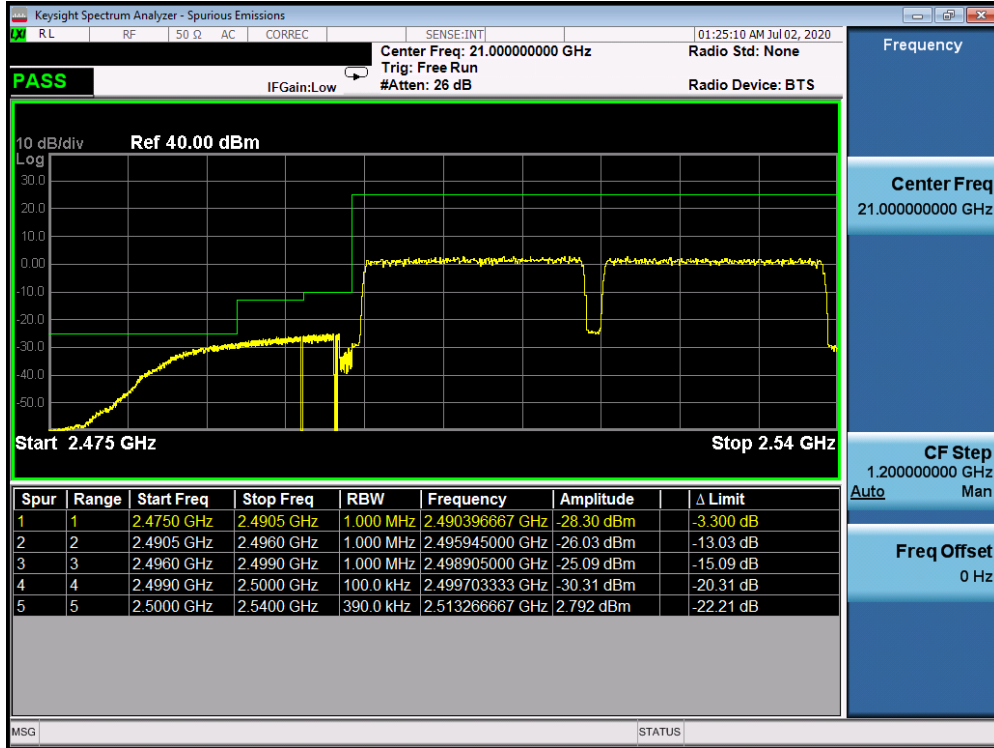


Plot 7-426. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

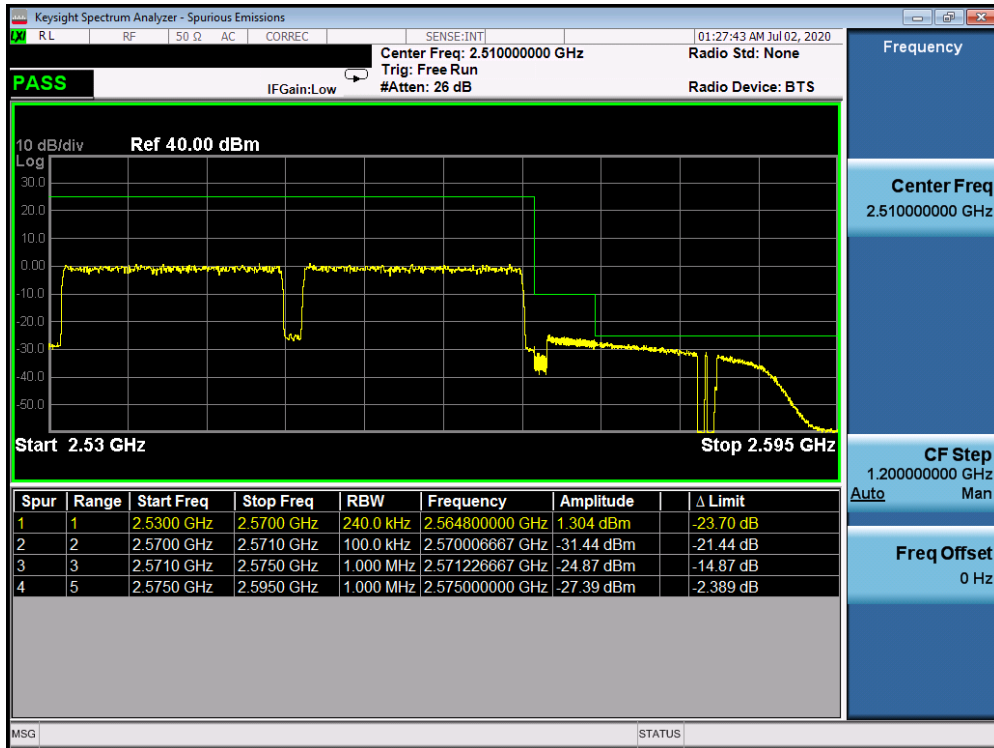


Plot 7-427. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 255 of 407



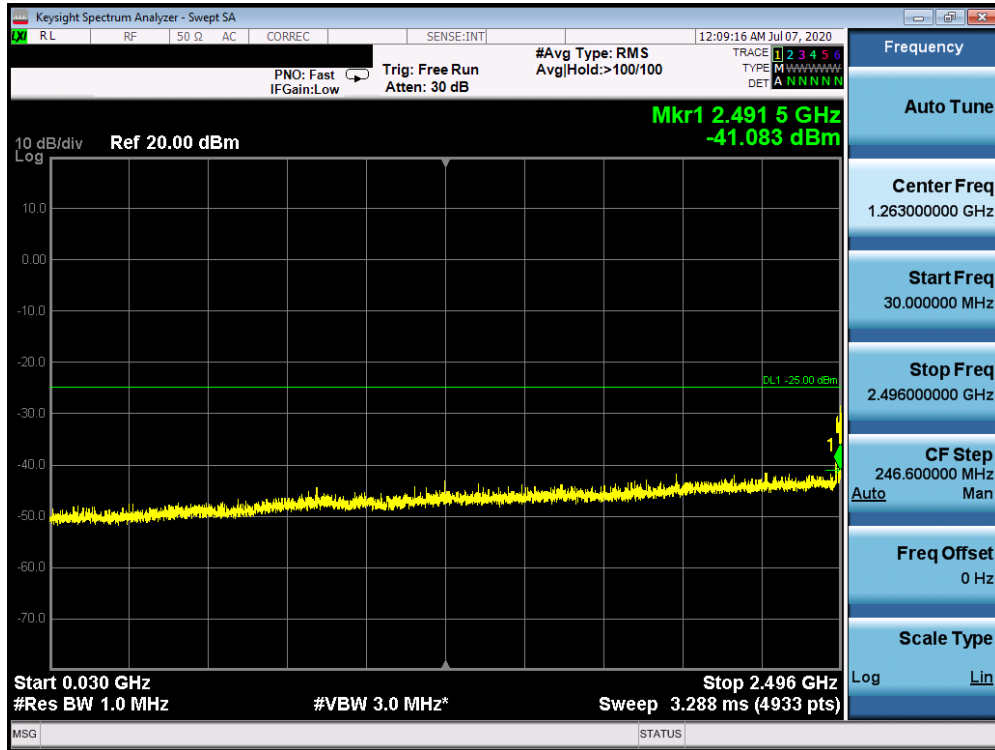
Plot 7-428. Lower ACP Plot (Band 7 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)



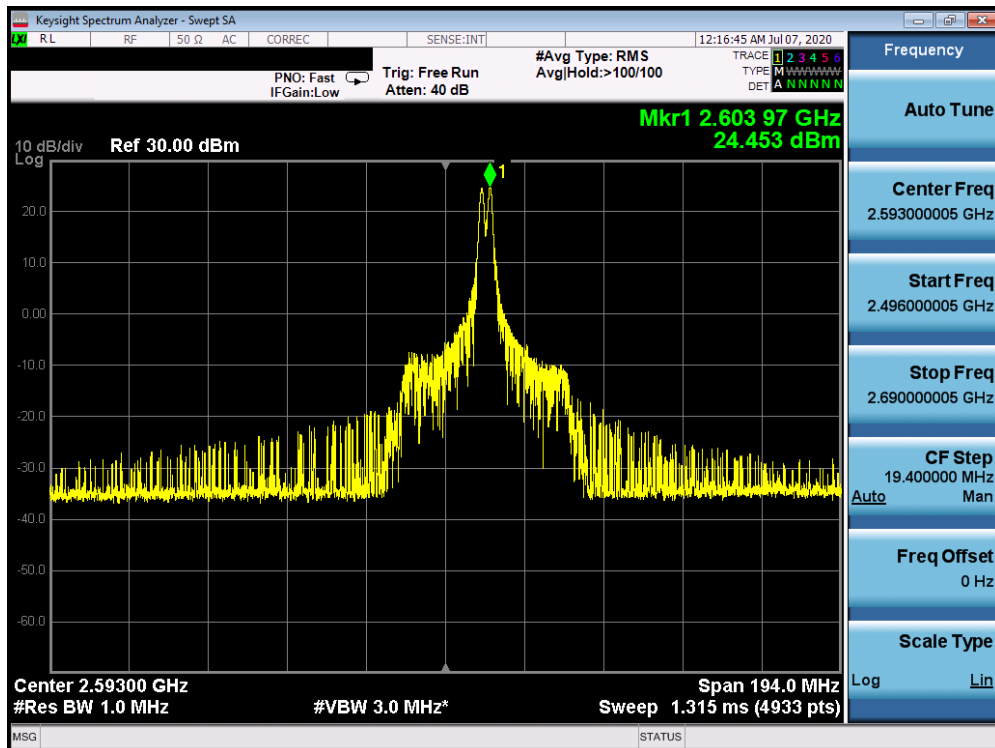
Plot 7-429. Upper ACP Plot (Band 7 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 256 of 407

Band 41

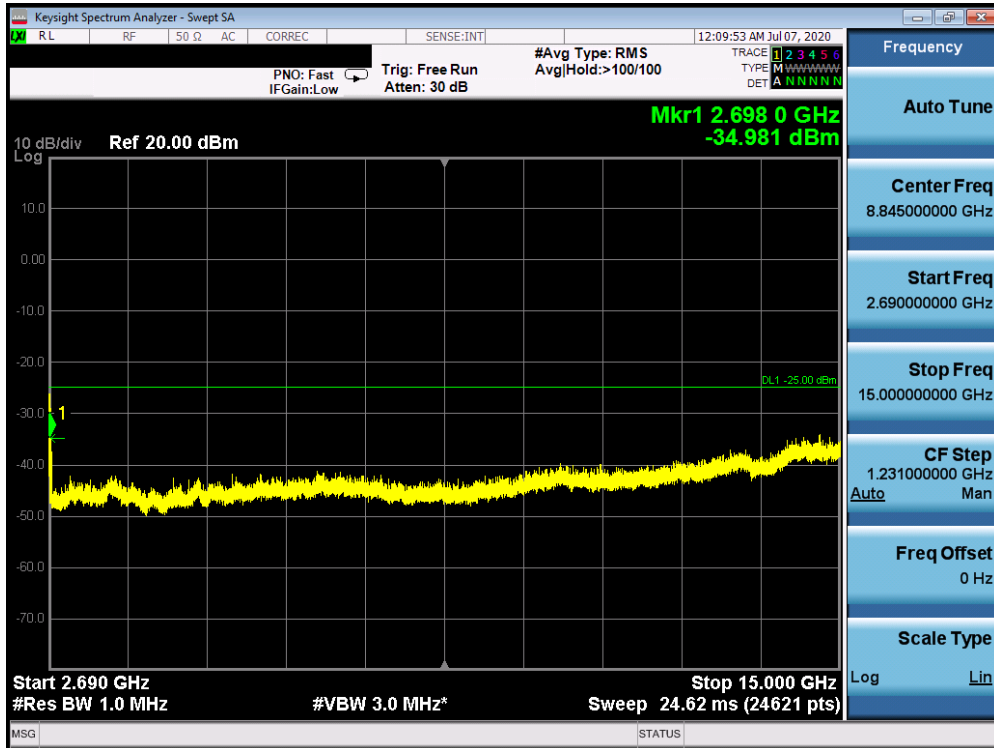


Plot 7-430. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

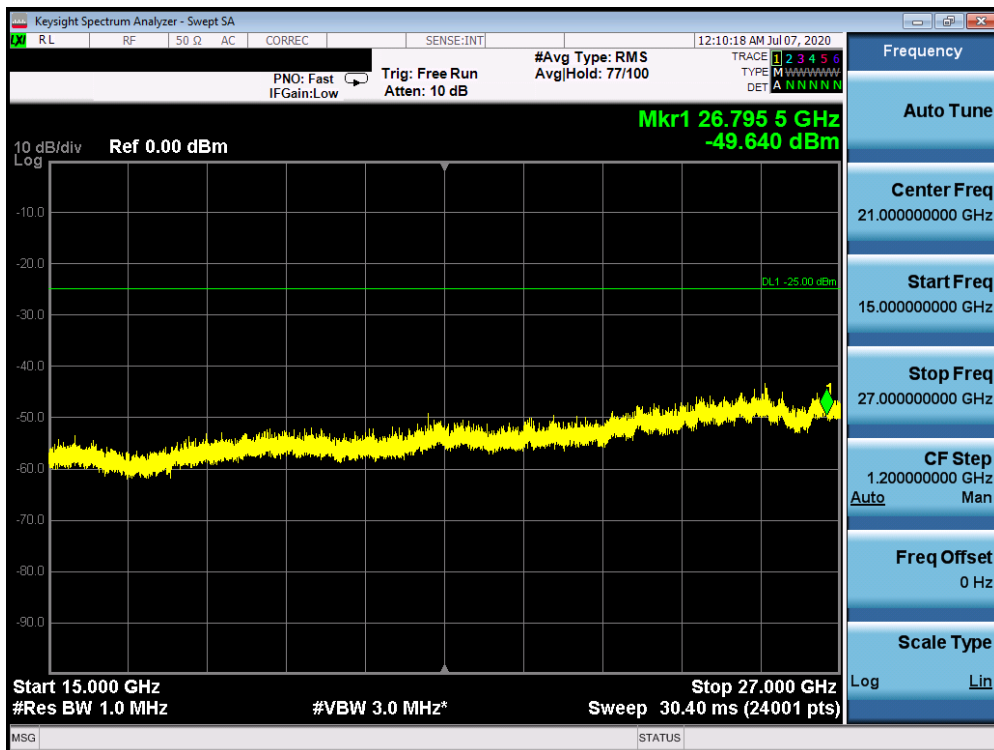


Plot 7-431. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 257 of 407

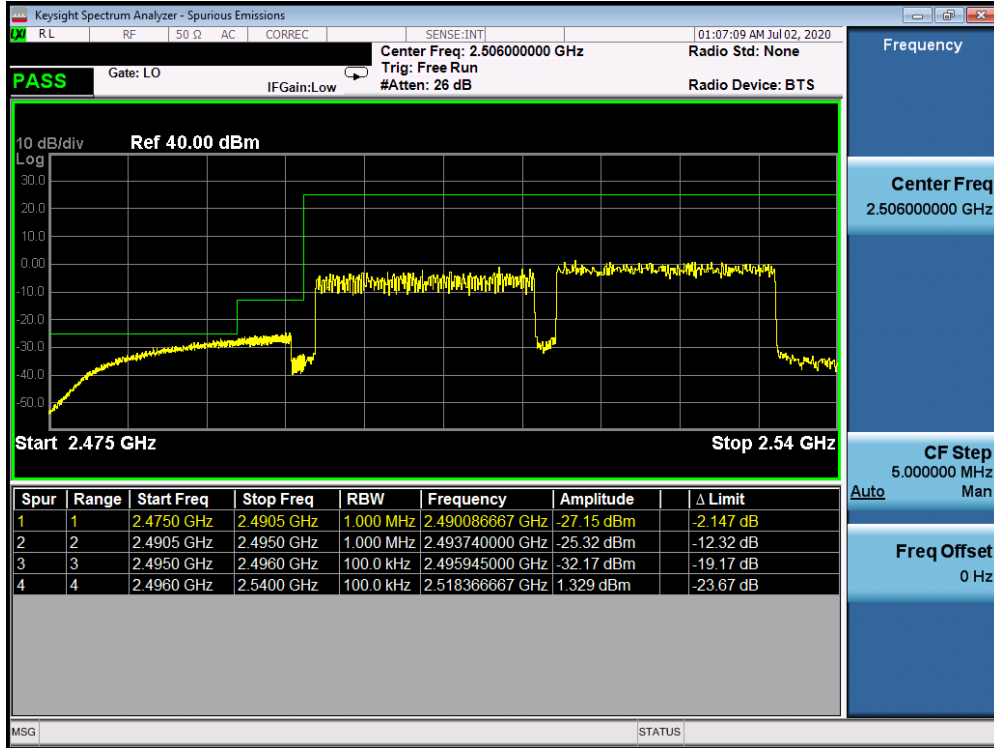


Plot 7-432. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

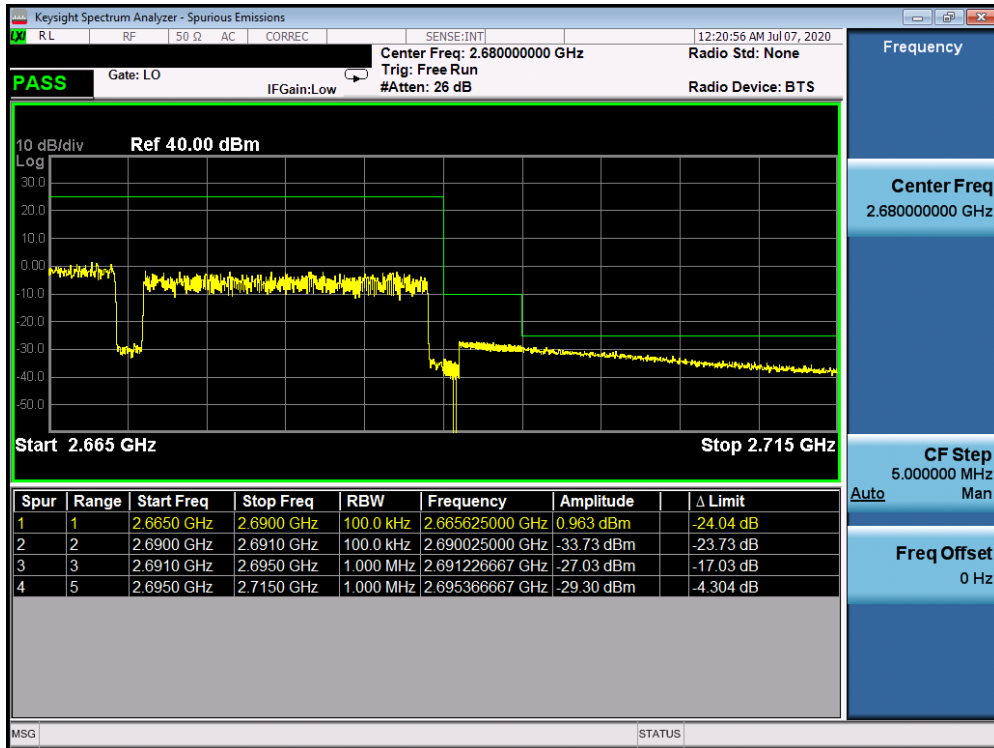


Plot 7-433. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2324	PCTEST Proud to be part of element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-434. Lower ACP Plot (Band 41 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)



Plot 7-435. Upper ACP Plot (Band 41 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 259 of 407

7.8 Radiated Power (ERP/EIRP)

Test Overview

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

Test Procedures Used

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

Test Settings

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

$$ERP/EIRP = P_{Meas} - LC + GT$$

Where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm)

P_{Meas} = measured transmitter output power or PSD, in dBW or dBm

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

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

Test Setup

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



Figure 7-7. ERP/EIRP Measurement Setup

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. The Ant. Gains (GT) are listed in dBi.

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.8.1 Antenna 4 - ERP/EIRP

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
665.50	5	QPSK	1 / 0	25.35	-2.10	21.10	0.129	34.77	-13.67
680.50	5	QPSK	1 / 0	25.50	-2.10	21.25	0.133	34.77	-13.52
695.50	5	QPSK	1 / 24	25.48	-2.10	21.23	0.133	34.77	-13.54
680.50	5	16-QAM	1 / 0	24.80	-2.10	20.55	0.114	34.77	-14.22
680.50	5	64-QAM	1 / 0	23.71	-2.10	19.46	0.088	34.77	-15.31
668.00	10	QPSK	1 / 49	25.47	-2.10	21.22	0.132	34.77	-13.55
680.50	10	QPSK	1 / 49	25.44	-2.10	21.19	0.132	34.77	-13.58
693.00	10	QPSK	1 / 25	25.50	-2.10	21.25	0.133	34.77	-13.52
693.00	10	16-QAM	1 / 25	25.06	-2.10	20.81	0.121	34.77	-13.96
693.00	10	64-QAM	1 / 49	23.86	-2.10	19.61	0.091	34.77	-15.16
670.50	15	QPSK	1 / 36	25.50	-2.10	21.25	0.133	34.77	-13.52
680.50	15	QPSK	1 / 36	25.30	-2.10	21.05	0.127	34.77	-13.72
690.50	15	QPSK	1 / 74	25.29	-2.10	21.04	0.127	34.77	-13.73
670.50	15	16-QAM	1 / 0	24.56	-2.10	20.31	0.107	34.77	-14.46
670.50	15	64-QAM	1 / 36	23.81	-2.10	19.56	0.090	34.77	-15.21
673.00	20	QPSK	1 / 99	25.43	-2.10	21.18	0.131	34.77	-13.59
680.50	20	QPSK	1 / 99	25.50	-2.10	21.25	0.133	34.77	-13.52
688.00	20	QPSK	1 / 99	25.50	-2.10	21.25	0.133	34.77	-13.52
680.50	20	16-QAM	1 / 99	24.99	-2.10	20.74	0.119	34.77	-14.03
680.50	20	64-QAM	1 / 99	24.20	-2.10	19.95	0.099	34.77	-14.82

Table 7-36. Antenna 4 ERP Data (Band 71)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 261 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
699.70	1.4	QPSK	1 / 0	25.34	-2.10	21.09	0.129	34.77	-13.68	23.24	0.211	36.99	-13.75
707.50	1.4	QPSK	1 / 5	25.47	-2.10	21.22	0.132	34.77	-13.55	23.37	0.217	36.99	-13.62
715.30	1.4	QPSK	1 / 2	25.50	-2.10	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
715.30	1.4	16-QAM	1 / 5	24.49	-2.10	20.24	0.106	34.77	-14.53	22.39	0.173	36.99	-14.60
715.30	1.4	64-QAM	1 / 2	23.71	-2.10	19.46	0.088	34.77	-15.31	21.61	0.145	36.99	-15.38
700.50	3	QPSK	1 / 0	25.28	-2.10	21.03	0.127	34.77	-13.74	23.18	0.208	36.99	-13.81
707.50	3	QPSK	1 / 14	25.50	-2.10	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
714.50	3	QPSK	1 / 7	25.45	-2.10	21.20	0.132	34.77	-13.57	23.35	0.216	36.99	-13.64
707.50	3	16-QAM	1 / 0	24.79	-2.10	20.54	0.113	34.77	-14.23	22.69	0.186	36.99	-14.30
707.50	3	64-QAM	1 / 14	23.77	-2.10	19.52	0.090	34.77	-15.25	21.67	0.147	36.99	-15.32
701.50	5	QPSK	1 / 0	25.37	-2.10	21.12	0.129	34.77	-13.65	23.27	0.212	36.99	-13.72
707.50	5	QPSK	1 / 24	25.50	-2.10	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
713.50	5	QPSK	1 / 0	25.18	-2.10	20.93	0.124	34.77	-13.84	23.08	0.203	36.99	-13.91
707.50	5	16-QAM	1 / 24	24.84	-2.10	20.59	0.115	34.77	-14.18	22.74	0.188	36.99	-14.25
707.50	5	64-QAM	1 / 24	23.63	-2.10	19.38	0.087	34.77	-15.39	21.53	0.142	36.99	-15.46
704.00	10	QPSK	1 / 49	25.41	-2.10	21.16	0.131	34.77	-13.61	23.31	0.214	36.99	-13.68
707.50	10	QPSK	1 / 49	25.50	-2.10	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
711.00	10	QPSK	1 / 25	25.43	-2.10	21.18	0.131	34.77	-13.59	23.33	0.215	36.99	-13.66
707.50	10	16-QAM	1 / 25	24.86	-2.10	20.61	0.115	34.77	-14.16	22.76	0.189	36.99	-14.23
707.50	10	64-QAM	1 / 49	23.73	-2.10	19.48	0.089	34.77	-15.29	21.63	0.146	36.99	-15.36

Table 7-37. Antenna 4 ERP/EIRP 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	25.37	-2.10	21.12	0.129	34.77	-13.65	23.27	0.212	36.99	-13.72
710.00	5	QPSK	1 / 24	25.50	-2.10	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
713.50	5	QPSK	1 / 0	25.12	-2.10	20.87	0.122	34.77	-13.90	23.02	0.200	36.99	-13.97
710.00	5	16-QAM	1 / 24	24.77	-2.10	20.52	0.113	34.77	-14.25	22.67	0.185	36.99	-14.32
710.00	5	64-QAM	1 / 24	23.75	-2.10	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
709.00	10	QPSK	1 / 49	25.50	-2.10	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
710.00	10	QPSK	1 / 25	25.48	-2.10	21.23	0.133	34.77	-13.54	23.38	0.218	36.99	-13.61
711.00	10	QPSK	1 / 25	25.47	-2.10	21.22	0.132	34.77	-13.55	23.37	0.217	36.99	-13.62
709.00	10	16-QAM	1 / 49	25.02	-2.10	20.77	0.119	34.77	-14.00	22.92	0.196	36.99	-14.07
709.00	10	64-QAM	1 / 25	23.83	-2.10	19.58	0.091	34.77	-15.19	21.73	0.149	36.99	-15.26

Table 7-38. Antenna 4 ERP/EIRP Data (Band 17)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 262 of 407

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 / 24	25.40	-2.10	21.15	0.130	34.77	-13.62	23.30	0.214	36.99	-13.69
782.00	5	QPSK	1 / 24	25.50	-2.10	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
784.50	5	QPSK	1 / 24	25.25	-2.10	21.00	0.126	34.77	-13.77	23.15	0.207	36.99	-13.84
782.00	5	16-QAM	1 / 24	24.73	-2.10	20.48	0.112	34.77	-14.29	22.63	0.183	36.99	-14.36
782.00	5	64-QAM	1 / 0	23.75	-2.10	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
782.00	10	QPSK	1 / 49	25.50	-2.10	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
782.00	10	16-QAM	1 / 0	25.06	-2.10	20.81	0.121	34.77	-13.96	22.96	0.198	36.99	-14.03
782.00	10	64-QAM	1 / 0	23.97	-2.10	19.72	0.094	34.77	-15.05	21.87	0.154	36.99	-15.12

Table 7-39. Antenna 4 ERP/EIRP Data (Band 13)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	1 / 0	25.24	-1.50	21.59	0.144	38.45	-16.86	23.74	0.237	40.61	-16.87
836.50	1.4	QPSK	1 / 5	25.28	-1.50	21.63	0.146	38.45	-16.82	23.78	0.239	40.61	-16.83
848.30	1.4	QPSK	1 / 5	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
848.30	1.4	16-QAM	1 / 0	24.61	-1.50	20.96	0.125	38.45	-17.49	23.11	0.205	40.61	-17.50
848.30	1.4	64-QAM	1 / 0	23.86	-1.50	20.21	0.105	38.45	-18.24	22.36	0.172	40.61	-18.25
825.50	3	QPSK	1 / 0	25.46	-1.50	21.81	0.152	38.45	-16.64	23.96	0.249	40.61	-16.65
836.50	3	QPSK	1 / 7	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
847.50	3	QPSK	1 / 14	25.28	-1.50	21.63	0.146	38.45	-16.82	23.78	0.239	40.61	-16.83
836.50	3	16-QAM	1 / 7	24.86	-1.50	21.21	0.132	38.45	-17.24	23.36	0.217	40.61	-17.25
836.50	3	64-QAM	1 / 0	23.67	-1.50	20.02	0.100	38.45	-18.43	22.17	0.165	40.61	-18.44
826.50	5	QPSK	1 / 0	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
836.50	5	QPSK	1 / 24	25.42	-1.50	21.77	0.150	38.45	-16.68	23.92	0.247	40.61	-16.69
846.50	5	QPSK	1 / 24	25.26	-1.50	21.61	0.145	38.45	-16.84	23.76	0.238	40.61	-16.85
826.50	5	16-QAM	1 / 12	24.77	-1.50	21.12	0.129	38.45	-17.33	23.27	0.212	40.61	-17.34
826.50	5	64-QAM	1 / 0	23.73	-1.50	20.08	0.102	38.45	-18.37	22.23	0.167	40.61	-18.38
829.00	10	QPSK	1 / 0	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
836.50	10	QPSK	1 / 49	25.31	-1.50	21.66	0.147	38.45	-16.79	23.81	0.240	40.61	-16.80
844.00	10	QPSK	1 / 49	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
829.00	10	16-QAM	1 / 0	24.84	-1.50	21.19	0.132	38.45	-17.26	23.34	0.216	40.61	-17.27
829.00	10	64-QAM	1 / 0	23.78	-1.50	20.13	0.103	38.45	-18.32	22.28	0.169	40.61	-18.33

Table 7-40. Antenna 4 ERP/EIRP Data (Band 5)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 263 of 407

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	25.28	-1.50	21.63	0.146	38.45	-16.82	23.78	0.239	40.61	-16.83
836.50	1.4	QPSK	1 / 5	25.29	-1.50	21.64	0.146	38.45	-16.81	23.79	0.239	40.61	-16.82
848.30	1.4	QPSK	1 / 5	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
848.30	1.4	16-QAM	1 / 5	24.57	-1.50	20.92	0.124	38.45	-17.53	23.07	0.203	40.61	-17.54
848.30	1.4	64-QAM	1 / 5	23.67	-1.50	20.02	0.100	38.45	-18.43	22.17	0.165	40.61	-18.44
825.50	3	QPSK	1 / 0	25.48	-1.50	21.83	0.152	38.45	-16.62	23.98	0.250	40.61	-16.63
836.50	3	QPSK	1 / 7	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
847.50	3	QPSK	1 / 14	25.29	-1.50	21.64	0.146	38.45	-16.81	23.79	0.239	40.61	-16.82
836.50	3	16-QAM	1 / 7	24.98	-1.50	21.33	0.136	38.45	-17.12	23.48	0.223	40.61	-17.13
836.50	3	64-QAM	1 / 7	23.65	-1.50	20.00	0.100	38.45	-18.45	22.15	0.164	40.61	-18.46
826.50	5	QPSK	1 / 0	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
836.50	5	QPSK	1 / 24	25.46	-1.50	21.81	0.152	38.45	-16.64	23.96	0.249	40.61	-16.65
846.50	5	QPSK	1 / 24	25.30	-1.50	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
826.50	5	16-QAM	1 / 0	24.95	-1.50	21.30	0.135	38.45	-17.15	23.45	0.221	40.61	-17.16
826.50	5	64-QAM	1 / 0	23.71	-1.50	20.06	0.101	38.45	-18.39	22.21	0.166	40.61	-18.40
829.00	10	QPSK	1 / 0	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
836.50	10	QPSK	1 / 49	25.31	-1.50	21.66	0.147	38.45	-16.79	23.81	0.240	40.61	-16.80
844.00	10	QPSK	1 / 49	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
829.00	10	16-QAM	1 / 0	24.68	-1.50	21.03	0.127	38.45	-17.42	23.18	0.208	40.61	-17.43
829.00	10	64-QAM	1 / 0	23.80	-1.50	20.15	0.104	38.45	-18.30	22.30	0.170	40.61	-18.31

Table 7-41. Antenna 4 ERP/EIRP Data (Band 26)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 264 of 407

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	24.50	0.60	25.10	0.324	30.00	-4.90
1732.50	1.4	QPSK	1 / 5	24.63	0.60	25.23	0.333	30.00	-4.77
1754.30	1.4	QPSK	1 / 5	24.75	0.60	25.35	0.343	30.00	-4.65
1754.30	1.4	16-QAM	1 / 5	23.81	0.60	24.41	0.276	30.00	-5.59
1754.30	1.4	64-QAM	1 / 5	23.11	0.60	23.71	0.235	30.00	-6.29
1711.50	3	QPSK	1 / 7	24.44	0.60	25.04	0.319	30.00	-4.96
1732.50	3	QPSK	1 / 7	24.59	0.60	25.19	0.330	30.00	-4.81
1753.50	3	QPSK	1 / 7	24.50	0.60	25.10	0.324	30.00	-4.90
1732.50	3	16-QAM	1 / 14	23.95	0.60	24.55	0.285	30.00	-5.45
1732.50	3	64-QAM	1 / 0	22.79	0.60	23.39	0.218	30.00	-6.61
1712.50	5	QPSK	1 / 0	24.64	0.60	25.24	0.334	30.00	-4.76
1732.50	5	QPSK	1 / 0	24.75	0.60	25.35	0.343	30.00	-4.65
1752.50	5	QPSK	1 / 24	24.61	0.60	25.21	0.332	30.00	-4.79
1732.50	5	16-QAM	1 / 24	24.06	0.60	24.66	0.292	30.00	-5.34
1732.50	5	64-QAM	1 / 0	22.96	0.60	23.56	0.227	30.00	-6.44
1715.00	10	QPSK	1 / 49	24.63	0.60	25.23	0.333	30.00	-4.77
1732.50	10	QPSK	1 / 49	24.71	0.60	25.31	0.340	30.00	-4.69
1750.00	10	QPSK	1 / 49	24.68	0.60	25.28	0.337	30.00	-4.72
1732.50	10	16-QAM	1 / 49	24.24	0.60	24.84	0.305	30.00	-5.16
1732.50	10	64-QAM	1 / 0	22.91	0.60	23.51	0.224	30.00	-6.49
1717.50	15	QPSK	1 / 74	24.75	0.60	25.35	0.343	30.00	-4.65
1732.50	15	QPSK	1 / 74	24.64	0.60	25.24	0.334	30.00	-4.76
1747.50	15	QPSK	1 / 74	24.66	0.60	25.26	0.336	30.00	-4.74
1717.50	15	16-QAM	1 / 74	23.92	0.60	24.52	0.283	30.00	-5.48
1717.50	15	64-QAM	1 / 74	22.93	0.60	23.53	0.225	30.00	-6.47
1720.00	20	QPSK	1 / 50	24.73	0.60	25.33	0.341	30.00	-4.67
1732.50	20	QPSK	1 / 99	24.57	0.60	25.17	0.329	30.00	-4.83
1745.00	20	QPSK	1 / 99	24.75	0.60	25.35	0.343	30.00	-4.65
1745.00	20	16-QAM	1 / 99	24.13	0.60	24.73	0.297	30.00	-5.27
1745.00	20	64-QAM	1 / 0	22.91	0.60	23.51	0.224	30.00	-6.49

Table 7-42. Antenna 4 EIRP Data (Band 4)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 265 of 407

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	24.50	0.60	25.10	0.324	30.00	-4.90
1745.00	1.4	QPSK	1 / 5	24.69	0.60	25.29	0.338	30.00	-4.71
1779.30	1.4	QPSK	1 / 5	24.75	0.60	25.35	0.343	30.00	-4.65
1779.30	1.4	16-QAM	1 / 2	23.85	0.60	24.45	0.279	30.00	-5.55
1779.30	1.4	64-QAM	1 / 2	23.11	0.60	23.71	0.235	30.00	-6.29
1711.50	3	QPSK	1 / 7	24.46	0.60	25.06	0.321	30.00	-4.94
1745.00	3	QPSK	1 / 14	24.68	0.60	25.28	0.337	30.00	-4.72
1778.50	3	QPSK	1 / 7	24.60	0.60	25.20	0.331	30.00	-4.80
1745.00	3	16-QAM	1 / 0	23.86	0.60	24.46	0.279	30.00	-5.54
1745.00	3	64-QAM	1 / 0	22.77	0.60	23.37	0.217	30.00	-6.63
1712.50	5	QPSK	1 / 0	24.62	0.60	25.22	0.333	30.00	-4.78
1745.00	5	QPSK	1 / 24	24.75	0.60	25.35	0.343	30.00	-4.65
1777.50	5	QPSK	1 / 24	24.65	0.60	25.25	0.335	30.00	-4.75
1745.00	5	16-QAM	1 / 24	24.14	0.60	24.74	0.298	30.00	-5.26
1745.00	5	64-QAM	1 / 0	22.97	0.60	23.57	0.228	30.00	-6.43
1715.00	10	QPSK	1 / 49	24.63	0.60	25.23	0.333	30.00	-4.77
1745.00	10	QPSK	1 / 49	24.72	0.60	25.32	0.340	30.00	-4.68
1775.00	10	QPSK	1 / 49	24.75	0.60	25.35	0.343	30.00	-4.65
1775.00	10	16-QAM	1 / 0	24.22	0.60	24.82	0.303	30.00	-5.18
1775.00	10	64-QAM	1 / 49	23.12	0.60	23.72	0.236	30.00	-6.28
1717.50	15	QPSK	1 / 74	24.75	0.60	25.35	0.343	30.00	-4.65
1745.00	15	QPSK	1 / 36	24.70	0.60	25.30	0.339	30.00	-4.70
1772.50	15	QPSK	1 / 0	24.74	0.60	25.34	0.342	30.00	-4.66
1717.50	15	16-QAM	1 / 36	23.80	0.60	24.40	0.275	30.00	-5.60
1717.50	15	64-QAM	1 / 74	22.97	0.60	23.57	0.228	30.00	-6.43
1720.00	20	QPSK	1 / 50	24.72	0.60	25.32	0.340	30.00	-4.68
1745.00	20	QPSK	1 / 0	24.60	0.60	25.20	0.331	30.00	-4.80
1770.00	20	QPSK	1 / 50	24.75	0.60	25.35	0.343	30.00	-4.65
1770.00	20	16-QAM	1 / 50	24.07	0.60	24.67	0.293	30.00	-5.33
1770.00	20	64-QAM	1 / 99	23.06	0.60	23.66	0.232	30.00	-6.34

Table 7-43. Antenna 4 EIRP Data (Band 66)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 266 of 407

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	24.56	-0.20	24.36	0.273	33.01	-8.65
1880.00	1.4	QPSK	1 / 0	24.44	-0.20	24.24	0.265	33.01	-8.77
1909.30	1.4	QPSK	1 / 5	24.32	-0.20	24.12	0.258	33.01	-8.89
1850.70	1.4	16-QAM	1 / 5	24.07	-0.20	23.87	0.244	33.01	-9.14
1850.70	1.4	64-QAM	1 / 0	22.93	-0.20	22.73	0.187	33.01	-10.28
1851.50	3	QPSK	1 / 7	24.54	-0.20	24.34	0.272	33.01	-8.67
1880.00	3	QPSK	1 / 7	24.33	-0.20	24.13	0.259	33.01	-8.88
1908.50	3	QPSK	1 / 0	24.59	-0.20	24.39	0.275	33.01	-8.62
1851.50	3	16-QAM	1 / 7	23.93	-0.20	23.73	0.236	33.01	-9.28
1851.50	3	64-QAM	1 / 0	22.91	-0.20	22.71	0.187	33.01	-10.30
1852.50	5	QPSK	1 / 0	24.72	-0.20	24.52	0.283	33.01	-8.49
1880.00	5	QPSK	1 / 0	24.62	-0.20	24.42	0.277	33.01	-8.59
1907.50	5	QPSK	1 / 0	24.26	-0.20	24.06	0.255	33.01	-8.95
1852.50	5	16-QAM	1 / 0	24.07	-0.20	23.87	0.244	33.01	-9.14
1852.50	5	64-QAM	1 / 0	22.98	-0.20	22.78	0.190	33.01	-10.23
1855.00	10	QPSK	1 / 0	24.71	-0.20	24.51	0.282	33.01	-8.50
1880.00	10	QPSK	1 / 0	24.46	-0.20	24.26	0.267	33.01	-8.75
1905.00	10	QPSK	1 / 25	24.46	-0.20	24.26	0.267	33.01	-8.75
1855.00	10	16-QAM	1 / 0	24.03	-0.20	23.83	0.242	33.01	-9.18
1855.00	10	64-QAM	1 / 0	22.96	-0.20	22.76	0.189	33.01	-10.25
1857.50	15	QPSK	1 / 0	24.75	-0.20	24.55	0.285	33.01	-8.46
1880.00	15	QPSK	1 / 74	24.46	-0.20	24.26	0.267	33.01	-8.75
1902.50	15	QPSK	1 / 0	24.57	-0.20	24.37	0.274	33.01	-8.64
1857.50	15	16-QAM	1 / 36	23.76	-0.20	23.56	0.227	33.01	-9.45
1857.50	15	64-QAM	1 / 36	22.93	-0.20	22.73	0.187	33.01	-10.28
1860.00	20	QPSK	1 / 0	24.75	-0.20	24.55	0.285	33.01	-8.46
1880.00	20	QPSK	1 / 99	24.48	-0.20	24.28	0.268	33.01	-8.73
1900.00	20	QPSK	1 / 0	24.71	-0.20	24.51	0.282	33.01	-8.50
1860.00	20	16-QAM	1 / 0	24.06	-0.20	23.86	0.243	33.01	-9.15
1860.00	20	64-QAM	1 / 0	22.87	-0.20	22.67	0.185	33.01	-10.34

Table 7-44. Antenna 4 EIRP Data (Band 2)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 267 of 407

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	24.61	-0.20	24.41	0.276	33.01	-8.60
1882.50	1.4	QPSK	1 / 5	24.37	-0.20	24.17	0.261	33.01	-8.84
1914.30	1.4	QPSK	1 / 5	24.44	-0.20	24.24	0.265	33.01	-8.77
1850.70	1.4	16-QAM	1 / 0	24.10	-0.20	23.90	0.245	33.01	-9.11
1850.70	1.4	64-QAM	1 / 5	23.07	-0.20	22.87	0.194	33.01	-10.14
1851.50	3	QPSK	1 / 7	24.55	-0.20	24.35	0.272	33.01	-8.66
1882.50	3	QPSK	1 / 7	24.38	-0.20	24.18	0.262	33.01	-8.83
1913.50	3	QPSK	1 / 14	24.61	-0.20	24.41	0.276	33.01	-8.60
1851.50	3	16-QAM	1 / 0	24.05	-0.20	23.85	0.243	33.01	-9.16
1851.50	3	64-QAM	1 / 7	22.99	-0.20	22.79	0.190	33.01	-10.22
1852.50	5	QPSK	1 / 12	24.67	-0.20	24.47	0.280	33.01	-8.54
1882.50	5	QPSK	1 / 24	24.57	-0.20	24.37	0.274	33.01	-8.64
1912.50	5	QPSK	1 / 12	24.66	-0.20	24.46	0.279	33.01	-8.55
1852.50	5	16-QAM	1 / 24	24.08	-0.20	23.88	0.244	33.01	-9.13
1852.50	5	64-QAM	1 / 12	23.00	-0.20	22.80	0.191	33.01	-10.21
1855.00	10	QPSK	1 / 0	24.73	-0.20	24.53	0.284	33.01	-8.48
1882.50	10	QPSK	1 / 49	24.50	-0.20	24.30	0.269	33.01	-8.71
1910.00	10	QPSK	1 / 0	24.39	-0.20	24.19	0.262	33.01	-8.82
1855.00	10	16-QAM	1 / 0	24.04	-0.20	23.84	0.242	33.01	-9.17
1855.00	10	64-QAM	1 / 0	22.96	-0.20	22.76	0.189	33.01	-10.25
1857.50	15	QPSK	1 / 0	24.75	-0.20	24.55	0.285	33.01	-8.46
1882.50	15	QPSK	1 / 74	24.50	-0.20	24.30	0.269	33.01	-8.71
1907.50	15	QPSK	1 / 0	24.38	-0.20	24.18	0.262	33.01	-8.83
1857.50	15	16-QAM	1 / 0	23.86	-0.20	23.66	0.232	33.01	-9.35
1857.50	15	64-QAM	1 / 0	22.97	-0.20	22.77	0.189	33.01	-10.24
1860.00	20	QPSK	1 / 0	24.75	-0.20	24.55	0.285	33.01	-8.46
1882.50	20	QPSK	1 / 99	24.53	-0.20	24.33	0.271	33.01	-8.68
1905.00	20	QPSK	1 / 0	24.71	-0.20	24.51	0.282	33.01	-8.50
1860.00	20	16-QAM	1 / 0	24.06	-0.20	23.86	0.243	33.01	-9.15
1860.00	20	64-QAM	1 / 0	22.87	-0.20	22.67	0.185	33.01	-10.34

Table 7-45. Antenna 4 EIRP Data (Band 25)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 268 of 407

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	22.70	0.00	22.70	0.186	23.98	-1.28
2312.50	5	QPSK	1 / 12	22.64	0.00	22.64	0.184	23.98	-1.34
2312.50	5	16-QAM	1 / 12	22.02	0.00	22.02	0.159	23.98	-1.96
2312.50	5	64-QAM	1 / 12	21.14	0.00	21.14	0.130	23.98	-2.84
2310.00	10	QPSK	1 / 25	22.70	0.00	22.70	0.186	23.98	-1.28
2310.00	10	16-QAM	1 / 25	22.17	0.00	22.17	0.165	23.98	-1.81
2310.00	10	64-QAM	1 / 0	20.99	0.00	20.99	0.126	23.98	-2.99

Table 7-46. Antenna 4 EIRP Data (Band 30)

FCC ID: BCGA2324	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 269 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 12	25.00	0.10	25.10	0.324	33.01	-7.91
2535.00	5	QPSK	1 / 24	24.99	0.10	25.09	0.323	33.01	-7.92
2567.50	5	QPSK	1 / 0	24.57	0.10	24.67	0.293	33.01	-8.34
2502.50	5	16-QAM	1 / 0	24.44	0.10	24.54	0.284	33.01	-8.47
2502.50	5	64-QAM	1 / 12	23.11	0.10	23.21	0.209	33.01	-9.80
2505.00	10	QPSK	1 / 25	25.00	0.10	25.10	0.324	33.01	-7.91
2535.00	10	QPSK	1 / 0	24.92	0.10	25.02	0.318	33.01	-7.99
2565.00	10	QPSK	1 / 0	24.85	0.10	24.95	0.313	33.01	-8.06
2505.00	10	16-QAM	1 / 25	24.28	0.10	24.38	0.274	33.01	-8.63
2505.00	10	64-QAM	1 / 0	23.12	0.10	23.22	0.210	33.01	-9.79
2507.50	15	QPSK	1 / 36	25.00	0.10	25.10	0.324	33.01	-7.91
2535.00	15	QPSK	1 / 36	24.89	0.10	24.99	0.316	33.01	-8.02
2562.50	15	QPSK	1 / 36	24.93	0.10	25.03	0.318	33.01	-7.98
2507.50	15	16-QAM	1 / 0	24.21	0.10	24.31	0.270	33.01	-8.70
2507.50	15	64-QAM	1 / 36	23.14	0.10	23.24	0.211	33.01	-9.77
2510.00	20	QPSK	1 / 0	25.00	0.10	25.10	0.324	33.01	-7.91
2535.00	20	QPSK	1 / 99	24.95	0.10	25.05	0.320	33.01	-7.96
2560.00	20	QPSK	1 / 99	24.90	0.10	25.00	0.316	33.01	-8.01
2510.00	20	16-QAM	1 / 0	24.28	0.10	24.38	0.274	33.01	-8.63
2510.00	20	64-QAM	1 / 0	23.16	0.10	23.26	0.212	33.01	-9.75

Table 7-47. Antenna 4 EIRP Data (Band 7)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 270 of 407

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	26.50	0.10	26.60	0.457	33.01	-6.41
2593.00	5	QPSK	1 / 0	26.33	0.10	26.43	0.440	33.01	-6.58
2687.50	5	QPSK	1 / 12	26.11	0.10	26.21	0.418	33.01	-6.80
2502.50	5	16-QAM	1 / 0	25.49	0.10	25.59	0.362	33.01	-7.42
2502.50	5	64-QAM	1 / 0	24.60	0.10	24.70	0.295	33.01	-8.31
2501.00	10	QPSK	1 / 25	26.50	0.10	26.60	0.457	33.01	-6.41
2593.00	10	QPSK	1 / 0	26.42	0.10	26.52	0.449	33.01	-6.49
2685.00	10	QPSK	1 / 49	26.31	0.10	26.41	0.438	33.01	-6.60
2593.00	10	16-QAM	1 / 0	25.46	0.10	25.56	0.360	33.01	-7.45
2593.00	10	64-QAM	1 / 0	24.29	0.10	24.39	0.275	33.01	-8.62
2503.50	15	QPSK	1 / 36	26.50	0.10	26.60	0.457	33.01	-6.41
2593.00	15	QPSK	1 / 74	26.48	0.10	26.58	0.455	33.01	-6.43
2682.50	15	QPSK	1 / 74	26.26	0.10	26.36	0.433	33.01	-6.65
2593.00	15	16-QAM	1 / 0	25.35	0.10	25.45	0.351	33.01	-7.56
2593.00	15	64-QAM	1 / 74	24.42	0.10	24.52	0.283	33.01	-8.49
2506.00	20	QPSK	1 / 99	26.48	0.10	26.58	0.455	33.01	-6.43
2593.00	20	QPSK	1 / 0	26.50	0.10	26.60	0.457	33.01	-6.41
2680.00	20	QPSK	1 / 99	26.32	0.10	26.42	0.439	33.01	-6.59
2593.00	20	16-QAM	1 / 0	25.63	0.10	25.73	0.374	33.01	-7.28
2593.00	20	64-QAM	1 / 0	24.50	0.10	24.60	0.288	33.01	-8.41

Table 7-48. Antenna 4 EIRP Data (Band 41 PC2)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 271 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 12	24.00	0.10	24.10	0.257	33.01	-8.91
2593.00	5	QPSK	1 / 0	24.27	0.10	24.37	0.274	33.01	-8.64
2687.50	5	QPSK	1 / 24	24.50	0.10	24.60	0.288	33.01	-8.41
2687.50	5	16-QAM	1 / 0	23.55	0.10	23.65	0.232	33.01	-9.36
2687.50	5	64-QAM	1 / 12	22.53	0.10	22.63	0.183	33.01	-10.38
2501.00	10	QPSK	1 / 25	24.00	0.10	24.10	0.257	33.01	-8.91
2593.00	10	QPSK	1 / 0	24.39	0.10	24.49	0.281	33.01	-8.52
2685.00	10	QPSK	1 / 0	24.47	0.10	24.57	0.286	33.01	-8.44
2685.00	10	16-QAM	1 / 0	23.73	0.10	23.83	0.242	33.01	-9.18
2685.00	10	64-QAM	1 / 0	22.55	0.10	22.65	0.184	33.01	-10.36
2503.50	15	QPSK	1 / 36	23.94	0.10	24.04	0.254	33.01	-8.97
2593.00	15	QPSK	1 / 0	24.46	0.10	24.56	0.286	33.01	-8.45
2682.50	15	QPSK	1 / 74	24.18	0.10	24.28	0.268	33.01	-8.73
2593.00	15	16-QAM	1 / 0	23.50	0.10	23.60	0.229	33.01	-9.41
2593.00	15	64-QAM	1 / 74	22.49	0.10	22.59	0.182	33.01	-10.42
2506.00	20	QPSK	1 / 50	23.99	0.10	24.09	0.256	33.01	-8.92
2593.00	20	QPSK	1 / 0	24.50	0.10	24.60	0.288	33.01	-8.41
2680.00	20	QPSK	1 / 99	24.33	0.10	24.43	0.277	33.01	-8.58
2593.00	20	16-QAM	1 / 0	23.57	0.10	23.67	0.233	33.01	-9.34
2593.00	20	64-QAM	1 / 99	22.40	0.10	22.50	0.178	33.01	-10.51

Table 7-49. Antenna 4 EIRP Data (Band 41 PC3)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 272 of 407

7.8.2 Antenna 3b - 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	24.66	-3.10	19.41	0.087	34.77	-15.36
680.50	5	QPSK	1 / 12	24.75	-3.10	19.50	0.089	34.77	-15.27
695.50	5	QPSK	1 / 12	24.50	-3.10	19.25	0.084	34.77	-15.52
680.50	5	16-QAM	1 / 0	24.15	-3.10	18.90	0.078	34.77	-15.87
680.50	5	64-QAM	1 / 12	23.01	-3.10	17.76	0.060	34.77	-17.01
668.00	10	QPSK	1 / 25	24.66	-3.10	19.41	0.087	34.77	-15.36
680.50	10	QPSK	1 / 25	24.66	-3.10	19.41	0.087	34.77	-15.36
693.00	10	QPSK	1 / 49	24.54	-3.10	19.29	0.085	34.77	-15.48
668.00	10	16-QAM	1 / 49	24.07	-3.10	18.82	0.076	34.77	-15.95
668.00	10	64-QAM	1 / 25	23.04	-3.10	17.79	0.060	34.77	-16.98
670.50	15	QPSK	1 / 36	24.75	-3.10	19.50	0.089	34.77	-15.27
680.50	15	QPSK	1 / 36	24.54	-3.10	19.29	0.085	34.77	-15.48
690.50	15	QPSK	1 / 0	24.47	-3.10	19.22	0.084	34.77	-15.55
670.50	15	16-QAM	1 / 36	23.89	-3.10	18.64	0.073	34.77	-16.13
670.50	15	64-QAM	1 / 74	22.96	-3.10	17.71	0.059	34.77	-17.06
673.00	20	QPSK	1 / 50	24.75	-3.10	19.50	0.089	34.77	-15.27
680.50	20	QPSK	1 / 0	24.72	-3.10	19.47	0.089	34.77	-15.30
688.00	20	QPSK	1 / 0	24.59	-3.10	19.34	0.086	34.77	-15.43
673.00	20	16-QAM	1 / 50	24.18	-3.10	18.93	0.078	34.77	-15.84
673.00	20	64-QAM	1 / 50	23.05	-3.10	17.80	0.060	34.77	-16.97

Table 7-50. Antenna 3b ERP Data (Band 71)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 273 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
699.70	1.4	QPSK	1 / 0	24.71	-3.10	19.46	0.088	34.77	-15.31	21.61	0.145	36.99	-15.38
707.50	1.4	QPSK	1 / 5	24.62	-3.10	19.37	0.086	34.77	-15.40	21.52	0.142	36.99	-15.47
715.30	1.4	QPSK	1 / 5	24.75	-3.10	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
715.30	1.4	16-QAM	1 / 2	23.85	-3.10	18.60	0.072	34.77	-16.17	20.75	0.119	36.99	-16.24
715.30	1.4	64-QAM	1 / 0	23.02	-3.10	17.77	0.060	34.77	-17.00	19.92	0.098	36.99	-17.07
700.50	3	QPSK	1 / 0	24.67	-3.10	19.42	0.087	34.77	-15.35	21.57	0.144	36.99	-15.42
707.50	3	QPSK	1 / 7	24.64	-3.10	19.39	0.087	34.77	-15.38	21.54	0.143	36.99	-15.45
714.50	3	QPSK	1 / 7	24.53	-3.10	19.28	0.085	34.77	-15.49	21.43	0.139	36.99	-15.56
700.50	3	16-QAM	1 / 7	24.15	-3.10	18.90	0.078	34.77	-15.87	21.05	0.127	36.99	-15.94
700.50	3	64-QAM	1 / 0	23.04	-3.10	17.79	0.060	34.77	-16.98	19.94	0.099	36.99	-17.05
701.50	5	QPSK	1 / 0	24.75	-3.10	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
707.50	5	QPSK	1 / 12	24.64	-3.10	19.39	0.087	34.77	-15.38	21.54	0.143	36.99	-15.45
713.50	5	QPSK	1 / 24	24.54	-3.10	19.29	0.085	34.77	-15.48	21.44	0.139	36.99	-15.55
701.50	5	16-QAM	1 / 24	24.11	-3.10	18.86	0.077	34.77	-15.91	21.01	0.126	36.99	-15.98
701.50	5	64-QAM	1 / 0	22.97	-3.10	17.72	0.059	34.77	-17.05	19.87	0.097	36.99	-17.12
704.00	10	QPSK	1 / 0	24.72	-3.10	19.47	0.089	34.77	-15.30	21.62	0.145	36.99	-15.37
707.50	10	QPSK	1 / 0	24.58	-3.10	19.33	0.086	34.77	-15.44	21.48	0.141	36.99	-15.51
711.00	10	QPSK	1 / 49	24.67	-3.10	19.42	0.087	34.77	-15.35	21.57	0.144	36.99	-15.42
704.00	10	16-QAM	1 / 25	23.95	-3.10	18.70	0.074	34.77	-16.07	20.85	0.122	36.99	-16.14
704.00	10	64-QAM	1 / 0	22.95	-3.10	17.70	0.059	34.77	-17.07	19.85	0.097	36.99	-17.14

Table 7-51. Antenna 3b ERP/EIRP Data (Band 12)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
706.50	5	QPSK	1 / 0	24.63	-3.10	19.38	0.087	34.77	-15.39	21.53	0.142	36.99	-15.46
710.00	5	QPSK	1 / 24	24.75	-3.10	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
713.50	5	QPSK	1 / 12	24.68	-3.10	19.43	0.088	34.77	-15.34	21.58	0.144	36.99	-15.41
710.00	5	16-QAM	1 / 24	24.07	-3.10	18.82	0.076	34.77	-15.95	20.97	0.125	36.99	-16.02
710.00	5	64-QAM	1 / 24	22.97	-3.10	17.72	0.059	34.77	-17.05	19.87	0.097	36.99	-17.12
709.00	10	QPSK	1 / 49	24.68	-3.10	19.43	0.088	34.77	-15.34	21.58	0.144	36.99	-15.41
710.00	10	QPSK	1 / 49	24.73	-3.10	19.48	0.089	34.77	-15.29	21.63	0.146	36.99	-15.36
711.00	10	QPSK	1 / 49	24.75	-3.10	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
711.00	10	16-QAM	1 / 49	24.29	-3.10	19.04	0.080	34.77	-15.73	21.19	0.132	36.99	-15.80
711.00	10	64-QAM	1 / 0	23.09	-3.10	17.84	0.061	34.77	-16.93	19.99	0.100	36.99	-17.00

Table 7-52. Antenna 3b ERP/EIRP Data (Band 17)

FCC ID: BCGA2324	 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 / 12	24.62	-3.10	19.37	0.086	34.77	-15.40	21.52	0.142	36.99	-15.47
782.00	5	QPSK	1 / 0	24.75	-3.10	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
784.50	5	QPSK	1 / 12	24.62	-3.10	19.37	0.086	34.77	-15.40	21.52	0.142	36.99	-15.47
782.00	5	16-QAM	1 / 0	24.06	-3.10	18.81	0.076	34.77	-15.96	20.96	0.125	36.99	-16.03
782.00	5	64-QAM	1 / 0	22.93	-3.10	17.68	0.059	34.77	-17.09	19.83	0.096	36.99	-17.16
782.00	10	QPSK	1 / 25	24.75	-3.10	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
782.00	10	16-QAM	1 / 25	24.20	-3.10	18.95	0.079	34.77	-15.82	21.10	0.129	36.99	-15.89
782.00	10	64-QAM	1 / 0	23.12	-3.10	17.87	0.061	34.77	-16.90	20.02	0.100	36.99	-16.97

Table 7-53. Antenna 3b ERP/EIRP Data (Band 13)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	1 / 0	24.49	-1.60	20.74	0.119	38.45	-17.71	22.89	0.195	40.61	-17.72
836.50	1.4	QPSK	1 / 5	24.74	-1.60	20.99	0.126	38.45	-17.46	23.14	0.206	40.61	-17.47
848.30	1.4	QPSK	1 / 0	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
848.30	1.4	16-QAM	1 / 0	23.95	-1.60	20.20	0.105	38.45	-18.25	22.35	0.172	40.61	-18.26
848.30	1.4	64-QAM	1 / 2	23.15	-1.60	19.40	0.087	38.45	-19.05	21.55	0.143	40.61	-19.06
825.50	3	QPSK	1 / 0	24.48	-1.60	20.73	0.118	38.45	-17.72	22.88	0.194	40.61	-17.73
836.50	3	QPSK	1 / 7	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
847.50	3	QPSK	1 / 7	24.49	-1.60	20.74	0.119	38.45	-17.71	22.89	0.195	40.61	-17.72
836.50	3	16-QAM	1 / 14	24.22	-1.60	20.47	0.111	38.45	-17.98	22.62	0.183	40.61	-17.99
836.50	3	64-QAM	1 / 0	22.80	-1.60	19.05	0.080	38.45	-19.40	21.20	0.132	40.61	-19.41
826.50	5	QPSK	1 / 24	24.55	-1.60	20.80	0.120	38.45	-17.65	22.95	0.197	40.61	-17.66
836.50	5	QPSK	1 / 24	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
846.50	5	QPSK	1 / 0	24.45	-1.60	20.70	0.117	38.45	-17.75	22.85	0.193	40.61	-17.76
836.50	5	16-QAM	1 / 0	24.03	-1.60	20.28	0.107	38.45	-18.17	22.43	0.175	40.61	-18.18
836.50	5	64-QAM	1 / 24	22.98	-1.60	19.23	0.084	38.45	-19.22	21.38	0.137	40.61	-19.23
829.00	10	QPSK	1 / 49	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
836.50	10	QPSK	1 / 49	24.71	-1.60	20.96	0.125	38.45	-17.49	23.11	0.205	40.61	-17.50
844.00	10	QPSK	1 / 0	24.69	-1.60	20.94	0.124	38.45	-17.51	23.09	0.204	40.61	-17.52
829.00	10	16-QAM	1 / 25	24.09	-1.60	20.34	0.108	38.45	-18.11	22.49	0.177	40.61	-18.12
829.00	10	64-QAM	1 / 49	22.94	-1.60	19.19	0.083	38.45	-19.26	21.34	0.136	40.61	-19.27

Table 7-54. Antenna 3b ERP/EIRP Data (Band 5)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 275 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	1 / 0	24.52	-1.60	20.77	0.119	38.45	-17.68	22.92	0.196	40.61	-17.69
836.50	1.4	QPSK	1 / 5	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
848.30	1.4	QPSK	1 / 0	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
836.50	1.4	16-QAM	1 / 2	24.16	-1.60	20.41	0.110	38.45	-18.04	22.56	0.180	40.61	-18.05
836.50	1.4	64-QAM	1 / 5	23.00	-1.60	19.25	0.084	38.45	-19.20	21.40	0.138	40.61	-19.21
825.50	3	QPSK	1 / 0	24.48	-1.60	20.73	0.118	38.45	-17.72	22.88	0.194	40.61	-17.73
836.50	3	QPSK	1 / 7	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
847.50	3	QPSK	1 / 7	24.48	-1.60	20.73	0.118	38.45	-17.72	22.88	0.194	40.61	-17.73
836.50	3	16-QAM	1 / 7	24.17	-1.60	20.42	0.110	38.45	-18.03	22.57	0.181	40.61	-18.04
836.50	3	64-QAM	1 / 0	22.87	-1.60	19.12	0.082	38.45	-19.33	21.27	0.134	40.61	-19.34
826.50	5	QPSK	1 / 24	24.54	-1.60	20.79	0.120	38.45	-17.66	22.94	0.197	40.61	-17.67
836.50	5	QPSK	1 / 24	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
846.50	5	QPSK	1 / 0	24.49	-1.60	20.74	0.119	38.45	-17.71	22.89	0.195	40.61	-17.72
836.50	5	16-QAM	1 / 24	24.13	-1.60	20.38	0.109	38.45	-18.07	22.53	0.179	40.61	-18.08
836.50	5	64-QAM	1 / 24	22.99	-1.60	19.24	0.084	38.45	-19.21	21.39	0.138	40.61	-19.22
829.00	10	QPSK	1 / 49	24.74	-1.60	20.99	0.126	38.45	-17.46	23.14	0.206	40.61	-17.47
836.50	10	QPSK	1 / 49	24.75	-1.60	21.00	0.126	38.45	-17.45	23.15	0.207	40.61	-17.46
844.00	10	QPSK	1 / 0	24.74	-1.60	20.99	0.126	38.45	-17.46	23.14	0.206	40.61	-17.47
836.50	10	16-QAM	1 / 49	24.24	-1.60	20.49	0.112	38.45	-17.96	22.64	0.184	40.61	-17.97
836.50	10	64-QAM	1 / 49	23.00	-1.60	19.25	0.084	38.45	-19.20	21.40	0.138	40.61	-19.21

Table 7-55. Antenna 3b ERP/EIRP Data (Band 26)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 276 of 407

7.8.3 Antenna 2a - 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	23.87	-2.00	21.87	0.154	30.00	-8.13
1732.50	1.4	QPSK	1 / 0	23.94	-2.00	21.94	0.156	30.00	-8.06
1754.30	1.4	QPSK	1 / 0	24.00	-2.00	22.00	0.158	30.00	-8.00
1754.30	1.4	16-QAM	1 / 2	23.01	-2.00	21.01	0.126	30.00	-8.99
1754.30	1.4	64-QAM	1 / 0	22.18	-2.00	20.18	0.104	30.00	-9.82
1711.50	3	QPSK	1 / 7	23.95	-2.00	21.95	0.157	30.00	-8.05
1732.50	3	QPSK	1 / 7	24.00	-2.00	22.00	0.158	30.00	-8.00
1753.50	3	QPSK	1 / 0	23.91	-2.00	21.91	0.155	30.00	-8.09
1732.50	3	16-QAM	1 / 14	23.37	-2.00	21.37	0.137	30.00	-8.63
1732.50	3	64-QAM	1 / 7	22.14	-2.00	20.14	0.103	30.00	-9.86
1712.50	5	QPSK	1 / 24	23.95	-2.00	21.95	0.157	30.00	-8.05
1732.50	5	QPSK	1 / 24	24.00	-2.00	22.00	0.158	30.00	-8.00
1752.50	5	QPSK	1 / 12	23.79	-2.00	21.79	0.151	30.00	-8.21
1732.50	5	16-QAM	1 / 24	23.30	-2.00	21.30	0.135	30.00	-8.70
1732.50	5	64-QAM	1 / 24	22.25	-2.00	20.25	0.106	30.00	-9.75
1715.00	10	QPSK	1 / 49	23.97	-2.00	21.97	0.157	30.00	-8.03
1732.50	10	QPSK	1 / 49	24.00	-2.00	22.00	0.158	30.00	-8.00
1750.00	10	QPSK	1 / 0	23.91	-2.00	21.91	0.155	30.00	-8.09
1732.50	10	16-QAM	1 / 49	23.43	-2.00	21.43	0.139	30.00	-8.57
1732.50	10	64-QAM	1 / 49	22.28	-2.00	20.28	0.107	30.00	-9.72
1717.50	15	QPSK	1 / 74	24.00	-2.00	22.00	0.158	30.00	-8.00
1732.50	15	QPSK	1 / 0	23.79	-2.00	21.79	0.151	30.00	-8.21
1747.50	15	QPSK	1 / 36	23.70	-2.00	21.70	0.148	30.00	-8.30
1717.50	15	16-QAM	1 / 74	23.14	-2.00	21.14	0.130	30.00	-8.86
1717.50	15	64-QAM	1 / 36	22.30	-2.00	20.30	0.107	30.00	-9.70
1720.00	20	QPSK	1 / 50	23.72	-2.00	21.72	0.149	30.00	-8.28
1732.50	20	QPSK	1 / 0	24.00	-2.00	22.00	0.158	30.00	-8.00
1745.00	20	QPSK	1 / 0	23.90	-2.00	21.90	0.155	30.00	-8.10
1732.50	20	16-QAM	1 / 0	23.39	-2.00	21.39	0.138	30.00	-8.61
1732.50	20	64-QAM	1 / 50	22.29	-2.00	20.29	0.107	30.00	-9.71

Table 7-56. Antenna 2a EIRP Data (Band 4)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 277 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	23.91	-2.00	21.91	0.155	30.00	-8.09
1745.00	1.4	QPSK	1 / 2	24.00	-2.00	22.00	0.158	30.00	-8.00
1779.30	1.4	QPSK	1 / 5	23.94	-2.00	21.94	0.156	30.00	-8.06
1745.00	1.4	16-QAM	1 / 5	23.38	-2.00	21.38	0.137	30.00	-8.62
1745.00	1.4	64-QAM	1 / 5	22.03	-2.00	20.03	0.101	30.00	-9.97
1711.50	3	QPSK	1 / 7	23.94	-2.00	21.94	0.156	30.00	-8.06
1745.00	3	QPSK	1 / 7	24.00	-2.00	22.00	0.158	30.00	-8.00
1778.50	3	QPSK	1 / 7	23.73	-2.00	21.73	0.149	30.00	-8.27
1745.00	3	16-QAM	1 / 0	23.35	-2.00	21.35	0.136	30.00	-8.65
1745.00	3	64-QAM	1 / 14	22.33	-2.00	20.33	0.108	30.00	-9.67
1712.50	5	QPSK	1 / 24	23.95	-2.00	21.95	0.157	30.00	-8.05
1745.00	5	QPSK	1 / 0	24.00	-2.00	22.00	0.158	30.00	-8.00
1777.50	5	QPSK	1 / 24	23.71	-2.00	21.71	0.148	30.00	-8.29
1745.00	5	16-QAM	1 / 12	23.40	-2.00	21.40	0.138	30.00	-8.60
1745.00	5	64-QAM	1 / 24	22.15	-2.00	20.15	0.104	30.00	-9.85
1715.00	10	QPSK	1 / 25	24.00	-2.00	22.00	0.158	30.00	-8.00
1745.00	10	QPSK	1 / 25	23.95	-2.00	21.95	0.157	30.00	-8.05
1775.00	10	QPSK	1 / 49	23.84	-2.00	21.84	0.153	30.00	-8.16
1715.00	10	16-QAM	1 / 0	23.27	-2.00	21.27	0.134	30.00	-8.73
1715.00	10	64-QAM	1 / 25	22.31	-2.00	20.31	0.107	30.00	-9.69
1717.50	15	QPSK	1 / 74	24.00	-2.00	22.00	0.158	30.00	-8.00
1745.00	15	QPSK	1 / 36	23.79	-2.00	21.79	0.151	30.00	-8.21
1772.50	15	QPSK	1 / 74	23.64	-2.00	21.64	0.146	30.00	-8.36
1717.50	15	16-QAM	1 / 74	23.15	-2.00	21.15	0.130	30.00	-8.85
1717.50	15	64-QAM	1 / 74	22.30	-2.00	20.30	0.107	30.00	-9.70
1720.00	20	QPSK	1 / 99	24.00	-2.00	22.00	0.158	30.00	-8.00
1745.00	20	QPSK	1 / 0	23.80	-2.00	21.80	0.151	30.00	-8.20
1770.00	20	QPSK	1 / 99	23.84	-2.00	21.84	0.153	30.00	-8.16
1720.00	20	16-QAM	1 / 50	23.24	-2.00	21.24	0.133	30.00	-8.76
1720.00	20	64-QAM	1 / 50	22.07	-2.00	20.07	0.102	30.00	-9.93

Table 7-57. Antenna 2a EIRP Data (Band 66)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 278 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 0	23.91	-1.20	22.71	0.187	33.01	-10.30
1880.00	1.4	QPSK	1 / 5	23.92	-1.20	22.72	0.187	33.01	-10.29
1909.30	1.4	QPSK	1 / 2	24.00	-1.20	22.80	0.191	33.01	-10.21
1909.30	1.4	16-QAM	1 / 5	23.21	-1.20	22.01	0.159	33.01	-11.00
1909.30	1.4	64-QAM	1 / 5	22.42	-1.20	21.22	0.132	33.01	-11.79
1851.50	3	QPSK	1 / 0	23.87	-1.20	22.67	0.185	33.01	-10.34
1880.00	3	QPSK	1 / 7	23.95	-1.20	22.75	0.188	33.01	-10.26
1908.50	3	QPSK	1 / 7	23.79	-1.20	22.59	0.182	33.01	-10.42
1880.00	3	16-QAM	1 / 14	23.31	-1.20	22.11	0.163	33.01	-10.90
1880.00	3	64-QAM	1 / 0	22.22	-1.20	21.02	0.126	33.01	-11.99
1852.50	5	QPSK	1 / 12	24.00	-1.20	22.80	0.191	33.01	-10.21
1880.00	5	QPSK	1 / 24	24.00	-1.20	22.80	0.191	33.01	-10.21
1907.50	5	QPSK	1 / 0	23.90	-1.20	22.70	0.186	33.01	-10.31
1852.50	5	16-QAM	1 / 12	23.39	-1.20	22.19	0.166	33.01	-10.82
1852.50	5	64-QAM	1 / 0	22.23	-1.20	21.03	0.127	33.01	-11.98
1855.00	10	QPSK	1 / 0	23.94	-1.20	22.74	0.188	33.01	-10.27
1880.00	10	QPSK	1 / 49	23.96	-1.20	22.76	0.189	33.01	-10.25
1905.00	10	QPSK	1 / 0	24.00	-1.20	22.80	0.191	33.01	-10.21
1905.00	10	16-QAM	1 / 0	23.62	-1.20	22.42	0.175	33.01	-10.59
1905.00	10	64-QAM	1 / 25	22.27	-1.20	21.07	0.128	33.01	-11.94
1857.50	15	QPSK	1 / 0	24.00	-1.20	22.80	0.191	33.01	-10.21
1880.00	15	QPSK	1 / 74	23.99	-1.20	22.79	0.190	33.01	-10.22
1902.50	15	QPSK	1 / 0	23.94	-1.20	22.74	0.188	33.01	-10.27
1857.50	15	16-QAM	1 / 0	23.26	-1.20	22.06	0.161	33.01	-10.95
1857.50	15	64-QAM	1 / 0	22.34	-1.20	21.14	0.130	33.01	-11.87
1860.00	20	QPSK	1 / 0	23.93	-1.20	22.73	0.187	33.01	-10.28
1880.00	20	QPSK	1 / 99	23.96	-1.20	22.76	0.189	33.01	-10.25
1900.00	20	QPSK	1 / 50	24.00	-1.20	22.80	0.191	33.01	-10.21
1900.00	20	16-QAM	1 / 50	23.50	-1.20	22.30	0.170	33.01	-10.71
1900.00	20	64-QAM	1 / 50	22.41	-1.20	21.21	0.132	33.01	-11.80

Table 7-58. Antenna 2a EIRP Data (Band 2)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 279 of 407

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 / 2	23.87	-1.20	22.67	0.185	33.01	-10.34
1882.50	1.4	QPSK	1 / 0	23.96	-1.20	22.76	0.189	33.01	-10.25
1914.30	1.4	QPSK	1 / 5	24.00	-1.20	22.80	0.191	33.01	-10.21
1914.30	1.4	16-QAM	1 / 2	23.03	-1.20	21.83	0.152	33.01	-11.18
1914.30	1.4	64-QAM	1 / 5	22.35	-1.20	21.15	0.130	33.01	-11.86
1851.50	3	QPSK	1 / 7	23.85	-1.20	22.65	0.184	33.01	-10.36
1882.50	3	QPSK	1 / 7	23.92	-1.20	22.72	0.187	33.01	-10.29
1913.50	3	QPSK	1 / 14	24.00	-1.20	22.80	0.191	33.01	-10.21
1913.50	3	16-QAM	1 / 7	23.49	-1.20	22.29	0.169	33.01	-10.72
1913.50	3	64-QAM	1 / 7	22.36	-1.20	21.16	0.131	33.01	-11.85
1852.50	5	QPSK	1 / 12	23.99	-1.20	22.79	0.190	33.01	-10.22
1882.50	5	QPSK	1 / 0	23.88	-1.20	22.68	0.185	33.01	-10.33
1912.50	5	QPSK	1 / 24	24.00	-1.20	22.80	0.191	33.01	-10.21
1912.50	5	16-QAM	1 / 24	23.38	-1.20	22.18	0.165	33.01	-10.83
1912.50	5	64-QAM	1 / 0	22.48	-1.20	21.28	0.134	33.01	-11.73
1855.00	10	QPSK	1 / 49	23.89	-1.20	22.69	0.186	33.01	-10.32
1882.50	10	QPSK	1 / 25	23.93	-1.20	22.73	0.187	33.01	-10.28
1910.00	10	QPSK	1 / 49	24.00	-1.20	22.80	0.191	33.01	-10.21
1910.00	10	16-QAM	1 / 0	23.47	-1.20	22.27	0.169	33.01	-10.74
1910.00	10	64-QAM	1 / 0	22.30	-1.20	21.10	0.129	33.01	-11.91
1857.50	15	QPSK	1 / 0	23.95	-1.20	22.75	0.188	33.01	-10.26
1882.50	15	QPSK	1 / 74	23.99	-1.20	22.79	0.190	33.01	-10.22
1907.50	15	QPSK	1 / 74	24.00	-1.20	22.80	0.191	33.01	-10.21
1907.50	15	16-QAM	1 / 0	23.56	-1.20	22.36	0.172	33.01	-10.65
1907.50	15	64-QAM	1 / 74	22.29	-1.20	21.09	0.129	33.01	-11.92
1860.00	20	QPSK	1 / 50	23.88	-1.20	22.68	0.185	33.01	-10.33
1882.50	20	QPSK	1 / 99	23.98	-1.20	22.78	0.190	33.01	-10.23
1905.00	20	QPSK	1 / 99	24.00	-1.20	22.80	0.191	33.01	-10.21
1905.00	20	16-QAM	1 / 99	23.37	-1.20	22.17	0.165	33.01	-10.84
1905.00	20	64-QAM	1 / 99	22.25	-1.20	21.05	0.127	33.01	-11.96

Table 7-59. Antenna 2a EIRP Data (Band 25)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 280 of 407

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	23.10	-0.70	22.40	0.174	23.98	-1.58
2312.50	5	QPSK	1 / 0	23.04	-0.70	22.34	0.171	23.98	-1.64
2312.50	5	16-QAM	1 / 0	22.46	-0.70	21.76	0.150	23.98	-2.22
2312.50	5	64-QAM	1 / 0	21.38	-0.70	20.68	0.117	23.98	-3.30
2310.00	10	QPSK	1 / 25	23.10	-0.70	22.40	0.174	23.98	-1.58
2310.00	10	16-QAM	1 / 0	22.53	-0.70	21.83	0.152	23.98	-2.15
2310.00	10	64-QAM	1 / 25	21.46	-0.70	20.76	0.119	23.98	-3.22

Table 7-60. Antenna 2a EIRP Data (Band 30)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 281 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 0	23.58	0.90	24.48	0.281	33.01	-8.53
2535.00	5	QPSK	1 / 0	23.68	0.90	24.58	0.287	33.01	-8.43
2567.50	5	QPSK	1 / 24	23.75	0.90	24.65	0.292	33.01	-8.36
2567.50	5	16-QAM	1 / 24	23.18	0.90	24.08	0.256	33.01	-8.93
2567.50	5	64-QAM	1 / 12	22.27	0.90	23.17	0.207	33.01	-9.84
2505.00	10	QPSK	1 / 49	23.62	0.90	24.52	0.283	33.01	-8.49
2535.00	10	QPSK	1 / 0	23.59	0.90	24.49	0.281	33.01	-8.52
2565.00	10	QPSK	1 / 49	23.75	0.90	24.65	0.292	33.01	-8.36
2565.00	10	16-QAM	1 / 49	23.22	0.90	24.12	0.258	33.01	-8.89
2565.00	10	64-QAM	1 / 25	22.02	0.90	22.92	0.196	33.01	-10.09
2507.50	15	QPSK	1 / 74	23.73	0.90	24.63	0.290	33.01	-8.38
2535.00	15	QPSK	1 / 36	23.60	0.90	24.50	0.282	33.01	-8.51
2562.50	15	QPSK	1 / 74	23.75	0.90	24.65	0.292	33.01	-8.36
2562.50	15	16-QAM	1 / 74	23.26	0.90	24.16	0.261	33.01	-8.85
2562.50	15	64-QAM	1 / 0	22.11	0.90	23.01	0.200	33.01	-10.00
2510.00	20	QPSK	1 / 50	23.63	0.90	24.53	0.284	33.01	-8.48
2535.00	20	QPSK	1 / 0	23.60	0.90	24.50	0.282	33.01	-8.51
2560.00	20	QPSK	1 / 99	23.75	0.90	24.65	0.292	33.01	-8.36
2560.00	20	16-QAM	1 / 99	23.15	0.90	24.05	0.254	33.01	-8.96
2560.00	20	64-QAM	1 / 99	22.08	0.90	22.98	0.199	33.01	-10.03

Table 7-61. Antenna 2a EIRP Data (Band 7)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 282 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 12	26.25	0.90	27.15	0.519	33.01	-5.86
2593.00	5	QPSK	1 / 24	27.25	0.90	28.15	0.653	33.01	-4.86
2687.50	5	QPSK	1 / 0	27.17	0.90	28.07	0.641	33.01	-4.94
2593.00	5	16-QAM	1 / 12	26.53	0.90	27.43	0.553	33.01	-5.58
2593.00	5	64-QAM	1 / 12	25.34	0.90	26.24	0.421	33.01	-6.77
2501.00	10	QPSK	1 / 49	26.25	0.90	27.15	0.519	33.01	-5.86
2593.00	10	QPSK	1 / 25	27.25	0.90	28.15	0.653	33.01	-4.86
2685.00	10	QPSK	1 / 49	27.20	0.90	28.10	0.646	33.01	-4.91
2593.00	10	16-QAM	1 / 49	26.46	0.90	27.36	0.545	33.01	-5.65
2593.00	10	64-QAM	1 / 49	25.38	0.90	26.28	0.425	33.01	-6.73
2503.50	15	QPSK	1 / 74	26.25	0.90	27.15	0.519	33.01	-5.86
2593.00	15	QPSK	1 / 74	27.24	0.90	28.14	0.652	33.01	-4.87
2682.50	15	QPSK	1 / 36	27.24	0.90	28.14	0.652	33.01	-4.87
2593.00	15	16-QAM	1 / 0	26.54	0.90	27.44	0.555	33.01	-5.57
2593.00	15	64-QAM	1 / 0	25.41	0.90	26.31	0.428	33.01	-6.70
2506.00	20	QPSK	1 / 99	26.25	0.90	27.15	0.519	33.01	-5.86
2593.00	20	QPSK	1 / 0	27.11	0.90	28.01	0.632	33.01	-5.00
2680.00	20	QPSK	1 / 99	27.13	0.90	28.03	0.635	33.01	-4.98
2680.00	20	16-QAM	1 / 0	26.32	0.90	27.22	0.527	33.01	-5.79
2680.00	20	64-QAM	1 / 0	25.11	0.90	26.01	0.399	33.01	-7.00

Table 7-62. Antenna 2a EIRP Data (Band 41 PC2)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 283 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 12	24.00	0.90	24.90	0.309	33.01	-8.11
2593.00	5	QPSK	1 / 0	24.00	0.90	24.90	0.309	33.01	-8.11
2687.50	5	QPSK	1 / 0	23.95	0.90	24.85	0.305	33.01	-8.16
2593.00	5	16-QAM	1 / 0	23.37	0.90	24.27	0.267	33.01	-8.74
2593.00	5	64-QAM	1 / 12	21.97	0.90	22.87	0.194	33.01	-10.14
2501.00	10	QPSK	1 / 49	24.00	0.90	24.90	0.309	33.01	-8.11
2593.00	10	QPSK	1 / 25	24.00	0.90	24.90	0.309	33.01	-8.11
2685.00	10	QPSK	1 / 0	24.00	0.90	24.90	0.309	33.01	-8.11
2593.00	10	16-QAM	1 / 25	23.15	0.90	24.05	0.254	33.01	-8.96
2593.00	10	64-QAM	1 / 25	22.06	0.90	22.96	0.198	33.01	-10.05
2503.50	15	QPSK	1 / 74	24.00	0.90	24.90	0.309	33.01	-8.11
2593.00	15	QPSK	1 / 0	23.86	0.90	24.76	0.299	33.01	-8.25
2682.50	15	QPSK	1 / 0	23.98	0.90	24.88	0.308	33.01	-8.13
2682.50	15	16-QAM	1 / 0	23.30	0.90	24.20	0.263	33.01	-8.81
2682.50	15	64-QAM	1 / 74	22.43	0.90	23.33	0.215	33.01	-9.68
2506.00	20	QPSK	1 / 99	24.00	0.90	24.90	0.309	33.01	-8.11
2593.00	20	QPSK	1 / 50	23.99	0.90	24.89	0.308	33.01	-8.12
2680.00	20	QPSK	1 / 99	24.00	0.90	24.90	0.309	33.01	-8.11
2680.00	20	16-QAM	1 / 50	23.54	0.90	24.44	0.278	33.01	-8.57
2680.00	20	64-QAM	1 / 99	22.54	0.90	23.44	0.221	33.01	-9.57

Table 7-63. Antenna 2a EIRP Data (Band 41 PC3)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 284 of 407

7.8.4 Antenna 1a - EIRP

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	24.50	0.50	25.00	0.316	30.00	-5.00
1732.50	1.4	QPSK	1 / 5	24.50	0.50	25.00	0.316	30.00	-5.00
1754.30	1.4	QPSK	1 / 2	24.50	0.50	25.00	0.316	30.00	-5.00
1710.70	1.4	16-QAM	1 / 2	23.83	0.50	24.33	0.271	30.00	-5.67
1710.70	1.4	64-QAM	1 / 5	22.91	0.50	23.41	0.219	30.00	-6.59
1711.50	3	QPSK	1 / 7	24.49	0.50	24.99	0.316	30.00	-5.01
1732.50	3	QPSK	1 / 7	24.50	0.50	25.00	0.316	30.00	-5.00
1753.50	3	QPSK	1 / 7	24.29	0.50	24.79	0.301	30.00	-5.21
1732.50	3	16-QAM	1 / 14	23.87	0.50	24.37	0.274	30.00	-5.63
1732.50	3	64-QAM	1 / 14	22.58	0.50	23.08	0.203	30.00	-6.92
1712.50	5	QPSK	1 / 24	24.39	0.50	24.89	0.308	30.00	-5.11
1732.50	5	QPSK	1 / 0	24.50	0.50	25.00	0.316	30.00	-5.00
1752.50	5	QPSK	1 / 0	24.45	0.50	24.95	0.313	30.00	-5.05
1732.50	5	16-QAM	1 / 0	23.87	0.50	24.37	0.274	30.00	-5.63
1732.50	5	64-QAM	1 / 24	22.79	0.50	23.29	0.213	30.00	-6.71
1715.00	10	QPSK	1 / 49	24.49	0.50	24.99	0.316	30.00	-5.01
1732.50	10	QPSK	1 / 0	24.50	0.50	25.00	0.316	30.00	-5.00
1750.00	10	QPSK	1 / 49	24.47	0.50	24.97	0.314	30.00	-5.03
1732.50	10	16-QAM	1 / 0	23.98	0.50	24.48	0.281	30.00	-5.52
1732.50	10	64-QAM	1 / 0	22.72	0.50	23.22	0.210	30.00	-6.78
1717.50	15	QPSK	1 / 74	24.50	0.50	25.00	0.316	30.00	-5.00
1732.50	15	QPSK	1 / 0	24.32	0.50	24.82	0.303	30.00	-5.18
1747.50	15	QPSK	1 / 74	24.48	0.50	24.98	0.315	30.00	-5.02
1717.50	15	16-QAM	1 / 74	23.56	0.50	24.06	0.255	30.00	-5.94
1717.50	15	64-QAM	1 / 74	22.65	0.50	23.15	0.207	30.00	-6.85
1720.00	20	QPSK	1 / 99	24.50	0.50	25.00	0.316	30.00	-5.00
1732.50	20	QPSK	1 / 0	24.49	0.50	24.99	0.316	30.00	-5.01
1745.00	20	QPSK	1 / 50	24.45	0.50	24.95	0.313	30.00	-5.05
1720.00	20	16-QAM	1 / 50	23.84	0.50	24.34	0.272	30.00	-5.66
1720.00	20	64-QAM	1 / 0	22.70	0.50	23.20	0.209	30.00	-6.80

Table 7-64. Antenna 1a EIRP Data (Band 4)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 285 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 5	24.48	0.50	24.98	0.315	30.00	-5.02
1745.00	1.4	QPSK	1 / 5	24.39	0.50	24.89	0.308	30.00	-5.11
1779.30	1.4	QPSK	1 / 0	24.50	0.50	25.00	0.316	30.00	-5.00
1779.30	1.4	16-QAM	1 / 0	23.55	0.50	24.05	0.254	30.00	-5.95
1779.30	1.4	64-QAM	1 / 5	22.76	0.50	23.26	0.212	30.00	-6.74
1711.50	3	QPSK	1 / 7	24.49	0.50	24.99	0.316	30.00	-5.01
1745.00	3	QPSK	1 / 7	24.50	0.50	25.00	0.316	30.00	-5.00
1778.50	3	QPSK	1 / 14	24.46	0.50	24.96	0.313	30.00	-5.04
1745.00	3	16-QAM	1 / 7	23.87	0.50	24.37	0.274	30.00	-5.63
1745.00	3	64-QAM	1 / 14	22.72	0.50	23.22	0.210	30.00	-6.78
1712.50	5	QPSK	1 / 24	24.41	0.50	24.91	0.310	30.00	-5.09
1745.00	5	QPSK	1 / 24	24.50	0.50	25.00	0.316	30.00	-5.00
1777.50	5	QPSK	1 / 12	24.50	0.50	25.00	0.316	30.00	-5.00
1745.00	5	16-QAM	1 / 24	23.88	0.50	24.38	0.274	30.00	-5.62
1745.00	5	64-QAM	1 / 24	22.78	0.50	23.28	0.213	30.00	-6.72
1715.00	10	QPSK	1 / 0	24.47	0.50	24.97	0.314	30.00	-5.03
1745.00	10	QPSK	1 / 0	24.50	0.50	25.00	0.316	30.00	-5.00
1775.00	10	QPSK	1 / 0	24.49	0.50	24.99	0.316	30.00	-5.01
1745.00	10	16-QAM	1 / 0	23.99	0.50	24.49	0.281	30.00	-5.51
1745.00	10	64-QAM	1 / 49	22.80	0.50	23.30	0.214	30.00	-6.70
1717.50	15	QPSK	1 / 74	24.50	0.50	25.00	0.316	30.00	-5.00
1745.00	15	QPSK	1 / 74	24.50	0.50	25.00	0.316	30.00	-5.00
1772.50	15	QPSK	1 / 36	24.49	0.50	24.99	0.316	30.00	-5.01
1717.50	15	16-QAM	1 / 74	23.63	0.50	24.13	0.259	30.00	-5.87
1717.50	15	64-QAM	1 / 0	22.73	0.50	23.23	0.210	30.00	-6.77
1720.00	20	QPSK	1 / 99	24.50	0.50	25.00	0.316	30.00	-5.00
1745.00	20	QPSK	1 / 50	24.45	0.50	24.95	0.313	30.00	-5.05
1770.00	20	QPSK	1 / 99	24.50	0.50	25.00	0.316	30.00	-5.00
1720.00	20	16-QAM	1 / 99	23.77	0.50	24.27	0.267	30.00	-5.73
1720.00	20	64-QAM	1 / 0	22.47	0.50	22.97	0.198	30.00	-7.03

Table 7-65. Antenna 1a EIRP Data (Band 66)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 286 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 0	24.42	0.80	25.22	0.333	33.01	-7.79
1880.00	1.4	QPSK	1 / 5	24.50	0.80	25.30	0.339	33.01	-7.71
1909.30	1.4	QPSK	1 / 5	24.44	0.80	25.24	0.334	33.01	-7.77
1880.00	1.4	16-QAM	1 / 2	23.90	0.80	24.70	0.295	33.01	-8.31
1880.00	1.4	64-QAM	1 / 5	22.81	0.80	23.61	0.230	33.01	-9.40
1851.50	3	QPSK	1 / 7	24.40	0.80	25.20	0.331	33.01	-7.81
1880.00	3	QPSK	1 / 7	24.50	0.80	25.30	0.339	33.01	-7.71
1908.50	3	QPSK	1 / 7	24.15	0.80	24.95	0.313	33.01	-8.06
1880.00	3	16-QAM	1 / 14	23.87	0.80	24.67	0.293	33.01	-8.34
1880.00	3	64-QAM	1 / 0	22.76	0.80	23.56	0.227	33.01	-9.45
1852.50	5	QPSK	1 / 0	24.36	0.80	25.16	0.328	33.01	-7.85
1880.00	5	QPSK	1 / 24	24.50	0.80	25.30	0.339	33.01	-7.71
1907.50	5	QPSK	1 / 0	24.40	0.80	25.20	0.331	33.01	-7.81
1880.00	5	16-QAM	1 / 24	23.80	0.80	24.60	0.288	33.01	-8.41
1880.00	5	64-QAM	1 / 0	22.73	0.80	23.53	0.225	33.01	-9.48
1855.00	10	QPSK	1 / 0	24.50	0.80	25.30	0.339	33.01	-7.71
1880.00	10	QPSK	1 / 25	24.49	0.80	25.29	0.338	33.01	-7.72
1905.00	10	QPSK	1 / 25	24.47	0.80	25.27	0.337	33.01	-7.74
1855.00	10	16-QAM	1 / 25	23.75	0.80	24.55	0.285	33.01	-8.46
1855.00	10	64-QAM	1 / 0	22.78	0.80	23.58	0.228	33.01	-9.43
1857.50	15	QPSK	1 / 0	24.50	0.80	25.30	0.339	33.01	-7.71
1880.00	15	QPSK	1 / 74	24.36	0.80	25.16	0.328	33.01	-7.85
1902.50	15	QPSK	1 / 0	24.35	0.80	25.15	0.327	33.01	-7.86
1857.50	15	16-QAM	1 / 0	23.63	0.80	24.43	0.277	33.01	-8.58
1857.50	15	64-QAM	1 / 74	22.70	0.80	23.50	0.224	33.01	-9.51
1860.00	20	QPSK	1 / 0	24.45	0.80	25.25	0.335	33.01	-7.76
1880.00	20	QPSK	1 / 99	24.50	0.80	25.30	0.339	33.01	-7.71
1900.00	20	QPSK	1 / 0	24.29	0.80	25.09	0.323	33.01	-7.92
1880.00	20	16-QAM	1 / 99	23.69	0.80	24.49	0.281	33.01	-8.52
1880.00	20	64-QAM	1 / 50	22.61	0.80	23.41	0.219	33.01	-9.60

Table 7-66. Antenna 1a EIRP Data (Band 2)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 287 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 0	24.41	0.80	25.21	0.332	33.01	-7.80
1882.50	1.4	QPSK	1 / 5	24.50	0.80	25.30	0.339	33.01	-7.71
1914.30	1.4	QPSK	1 / 0	24.50	0.80	25.30	0.339	33.01	-7.71
1882.50	1.4	16-QAM	1 / 2	23.86	0.80	24.66	0.292	33.01	-8.35
1882.50	1.4	64-QAM	1 / 2	23.02	0.80	23.82	0.241	33.01	-9.19
1851.50	3	QPSK	1 / 0	24.41	0.80	25.21	0.332	33.01	-7.80
1882.50	3	QPSK	1 / 7	24.50	0.80	25.30	0.339	33.01	-7.71
1913.50	3	QPSK	1 / 7	24.27	0.80	25.07	0.321	33.01	-7.94
1882.50	3	16-QAM	1 / 7	23.88	0.80	24.68	0.294	33.01	-8.33
1882.50	3	64-QAM	1 / 14	22.66	0.80	23.46	0.222	33.01	-9.55
1852.50	5	QPSK	1 / 12	24.42	0.80	25.22	0.333	33.01	-7.79
1882.50	5	QPSK	1 / 0	24.50	0.80	25.30	0.339	33.01	-7.71
1912.50	5	QPSK	1 / 24	24.37	0.80	25.17	0.329	33.01	-7.84
1882.50	5	16-QAM	1 / 12	23.80	0.80	24.60	0.288	33.01	-8.41
1882.50	5	64-QAM	1 / 24	22.80	0.80	23.60	0.229	33.01	-9.41
1855.00	10	QPSK	1 / 0	24.50	0.80	25.30	0.339	33.01	-7.71
1882.50	10	QPSK	1 / 49	24.50	0.80	25.30	0.339	33.01	-7.71
1910.00	10	QPSK	1 / 49	24.49	0.80	25.29	0.338	33.01	-7.72
1855.00	10	16-QAM	1 / 0	23.86	0.80	24.66	0.292	33.01	-8.35
1855.00	10	64-QAM	1 / 0	22.79	0.80	23.59	0.229	33.01	-9.42
1857.50	15	QPSK	1 / 0	24.50	0.80	25.30	0.339	33.01	-7.71
1882.50	15	QPSK	1 / 74	24.43	0.80	25.23	0.333	33.01	-7.78
1907.50	15	QPSK	1 / 74	24.39	0.80	25.19	0.330	33.01	-7.82
1857.50	15	16-QAM	1 / 0	23.74	0.80	24.54	0.284	33.01	-8.47
1857.50	15	64-QAM	1 / 0	22.79	0.80	23.59	0.229	33.01	-9.42
1860.00	20	QPSK	1 / 0	24.41	0.80	25.21	0.332	33.01	-7.80
1882.50	20	QPSK	1 / 0	24.50	0.80	25.30	0.339	33.01	-7.71
1905.00	20	QPSK	1 / 0	24.50	0.80	25.30	0.339	33.01	-7.71
1882.50	20	16-QAM	1 / 0	23.96	0.80	24.76	0.299	33.01	-8.25
1882.50	20	64-QAM	1 / 0	23.18	0.80	23.98	0.250	33.01	-9.03

Table 7-67. Antenna 1a EIRP Data (Band 25)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 288 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 0	22.50	0.50	23.00	0.200	23.98	-0.98
2312.50	5	QPSK	1 / 0	22.41	0.50	22.91	0.195	23.98	-1.07
2312.50	5	16-QAM	1 / 0	21.88	0.50	22.38	0.173	23.98	-1.60
2312.50	5	64-QAM	1 / 12	21.01	0.50	21.51	0.142	23.98	-2.47
2310.00	10	QPSK	1 / 0	22.50	0.50	23.00	0.200	23.98	-0.98
2310.00	10	16-QAM	1 / 0	22.01	0.50	22.51	0.178	23.98	-1.47
2310.00	10	64-QAM	1 / 0	20.96	0.50	21.46	0.140	23.98	-2.52

Table 7-68. Antenna 1a EIRP Data (Band 30)

FCC ID: BCGA2324	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 289 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 24	24.25	1.00	25.25	0.335	33.01	-7.76
2535.00	5	QPSK	1 / 0	24.17	1.00	25.17	0.329	33.01	-7.84
2567.50	5	QPSK	1 / 24	23.95	1.00	24.95	0.313	33.01	-8.06
2502.50	5	16-QAM	1 / 12	23.50	1.00	24.50	0.282	33.01	-8.51
2502.50	5	64-QAM	1 / 24	22.46	1.00	23.46	0.222	33.01	-9.55
2505.00	10	QPSK	1 / 49	24.25	1.00	25.25	0.335	33.01	-7.76
2535.00	10	QPSK	1 / 0	23.97	1.00	24.97	0.314	33.01	-8.04
2565.00	10	QPSK	1 / 25	24.08	1.00	25.08	0.322	33.01	-7.93
2505.00	10	16-QAM	1 / 49	23.59	1.00	24.59	0.288	33.01	-8.42
2505.00	10	64-QAM	1 / 49	22.42	1.00	23.42	0.220	33.01	-9.59
2507.50	15	QPSK	1 / 36	24.25	1.00	25.25	0.335	33.01	-7.76
2535.00	15	QPSK	1 / 36	23.90	1.00	24.90	0.309	33.01	-8.11
2562.50	15	QPSK	1 / 74	24.00	1.00	25.00	0.316	33.01	-8.01
2507.50	15	16-QAM	1 / 74	23.25	1.00	24.25	0.266	33.01	-8.76
2507.50	15	64-QAM	1 / 36	22.41	1.00	23.41	0.219	33.01	-9.60
2510.00	20	QPSK	1 / 99	24.20	1.00	25.20	0.331	33.01	-7.81
2535.00	20	QPSK	1 / 0	23.81	1.00	24.81	0.303	33.01	-8.20
2560.00	20	QPSK	1 / 99	24.25	1.00	25.25	0.335	33.01	-7.76
2560.00	20	16-QAM	1 / 50	23.49	1.00	24.49	0.281	33.01	-8.52
2560.00	20	64-QAM	1 / 50	22.45	1.00	23.45	0.221	33.01	-9.56

Table 7-69. Antenna 1a EIRP Data (Band 7)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 290 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 24	25.73	1.00	26.73	0.471	33.01	-6.28
2593.00	5	QPSK	1 / 0	26.88	1.00	27.88	0.614	33.01	-5.13
2687.50	5	QPSK	1 / 0	27.00	1.00	28.00	0.631	33.01	-5.01
2687.50	5	16-QAM	1 / 0	26.51	1.00	27.51	0.564	33.01	-5.50
2687.50	5	64-QAM	1 / 0	25.60	1.00	26.60	0.457	33.01	-6.41
2501.00	10	QPSK	1 / 49	25.75	1.00	26.75	0.473	33.01	-6.26
2593.00	10	QPSK	1 / 49	26.72	1.00	27.72	0.592	33.01	-5.29
2685.00	10	QPSK	1 / 0	27.00	1.00	28.00	0.631	33.01	-5.01
2685.00	10	16-QAM	1 / 0	26.41	1.00	27.41	0.551	33.01	-5.60
2685.00	10	64-QAM	1 / 0	25.58	1.00	26.58	0.455	33.01	-6.43
2503.50	15	QPSK	1 / 74	25.71	1.00	26.71	0.469	33.01	-6.30
2593.00	15	QPSK	1 / 74	26.86	1.00	27.86	0.611	33.01	-5.15
2682.50	15	QPSK	1 / 0	27.00	1.00	28.00	0.631	33.01	-5.01
2682.50	15	16-QAM	1 / 0	26.55	1.00	27.55	0.569	33.01	-5.46
2682.50	15	64-QAM	1 / 36	25.47	1.00	26.47	0.444	33.01	-6.54
2506.00	20	QPSK	1 / 99	25.64	1.00	26.64	0.461	33.01	-6.37
2593.00	20	QPSK	1 / 99	26.60	1.00	27.60	0.575	33.01	-5.41
2680.00	20	QPSK	1 / 0	27.00	1.00	28.00	0.631	33.01	-5.01
2680.00	20	16-QAM	1 / 99	26.32	1.00	27.32	0.540	33.01	-5.69
2680.00	20	64-QAM	1 / 0	25.42	1.00	26.42	0.439	33.01	-6.59

Table 7-70. Antenna 1a EIRP Data (Band 41 PC2)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 291 of 407

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	23.33	1.00	24.33	0.271	33.01	-8.68
2593.00	5	QPSK	1 / 0	24.18	1.00	25.18	0.330	33.01	-7.83
2687.50	5	QPSK	1 / 0	24.25	1.00	25.25	0.335	33.01	-7.76
2687.50	5	16-QAM	1 / 0	23.33	1.00	24.33	0.271	33.01	-8.68
2687.50	5	64-QAM	1 / 12	22.34	1.00	23.34	0.216	33.01	-9.67
2501.00	10	QPSK	1 / 25	23.50	1.00	24.50	0.282	33.01	-8.51
2593.00	10	QPSK	1 / 49	24.12	1.00	25.12	0.325	33.01	-7.89
2685.00	10	QPSK	1 / 0	24.25	1.00	25.25	0.335	33.01	-7.76
2685.00	10	16-QAM	1 / 0	23.56	1.00	24.56	0.286	33.01	-8.45
2685.00	10	64-QAM	1 / 0	22.60	1.00	23.60	0.229	33.01	-9.41
2503.50	15	QPSK	1 / 36	23.42	1.00	24.42	0.277	33.01	-8.59
2593.00	15	QPSK	1 / 36	24.25	1.00	25.25	0.335	33.01	-7.76
2682.50	15	QPSK	1 / 0	24.25	1.00	25.25	0.335	33.01	-7.76
2593.00	15	16-QAM	1 / 0	23.29	1.00	24.29	0.269	33.01	-8.72
2593.00	15	64-QAM	1 / 36	22.51	1.00	23.51	0.224	33.01	-9.50
2506.00	20	QPSK	1 / 50	23.47	1.00	24.47	0.280	33.01	-8.54
2593.00	20	QPSK	1 / 50	24.24	1.00	25.24	0.334	33.01	-7.77
2680.00	20	QPSK	1 / 0	24.25	1.00	25.25	0.335	33.01	-7.76
2680.00	20	16-QAM	1 / 99	23.27	1.00	24.27	0.267	33.01	-8.74
2680.00	20	64-QAM	1 / 0	22.41	1.00	23.41	0.219	33.01	-9.60

Table 7-71. Antenna 1a EIRP Data (Band 41 PC3)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 292 of 407

7.8.5 Antenna 3a - 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 / 0	23.35	-3.10	20.25	0.106	30.00	-9.75
1732.50	1.4	QPSK	1 / 5	23.54	-3.10	20.44	0.111	30.00	-9.56
1754.30	1.4	QPSK	1 / 0	23.39	-3.10	20.29	0.107	30.00	-9.71
1732.50	1.4	16-QAM	1 / 2	22.35	-3.10	19.25	0.084	30.00	-10.75
1732.50	1.4	64-QAM	1 / 5	21.26	-3.10	18.16	0.065	30.00	-11.84
1711.50	3	QPSK	1 / 0	23.31	-3.10	20.21	0.105	30.00	-9.79
1732.50	3	QPSK	1 / 7	23.52	-3.10	20.42	0.110	30.00	-9.58
1753.50	3	QPSK	1 / 7	23.15	-3.10	20.05	0.101	30.00	-9.95
1732.50	3	16-QAM	1 / 7	22.24	-3.10	19.14	0.082	30.00	-10.86
1732.50	3	64-QAM	1 / 7	21.27	-3.10	18.17	0.066	30.00	-11.83
1712.50	5	QPSK	1 / 24	23.56	-3.10	20.46	0.111	30.00	-9.54
1732.50	5	QPSK	1 / 24	23.68	-3.10	20.58	0.114	30.00	-9.42
1752.50	5	QPSK	1 / 0	23.29	-3.10	20.19	0.104	30.00	-9.81
1732.50	5	16-QAM	1 / 24	22.53	-3.10	19.43	0.088	30.00	-10.57
1732.50	5	64-QAM	1 / 0	21.25	-3.10	18.15	0.065	30.00	-11.85
1715.00	10	QPSK	1 / 25	23.53	-3.10	20.43	0.110	30.00	-9.57
1732.50	10	QPSK	1 / 0	23.57	-3.10	20.47	0.111	30.00	-9.53
1750.00	10	QPSK	1 / 0	23.45	-3.10	20.35	0.108	30.00	-9.65
1732.50	10	16-QAM	1 / 0	22.43	-3.10	19.33	0.086	30.00	-10.67
1732.50	10	64-QAM	1 / 0	21.35	-3.10	18.25	0.067	30.00	-11.75
1717.50	15	QPSK	1 / 74	23.75	-3.10	20.65	0.116	30.00	-9.35
1732.50	15	QPSK	1 / 36	23.58	-3.10	20.48	0.112	30.00	-9.52
1747.50	15	QPSK	1 / 0	23.49	-3.10	20.39	0.109	30.00	-9.61
1732.50	15	16-QAM	1 / 36	22.37	-3.10	19.27	0.085	30.00	-10.73
1732.50	15	64-QAM	1 / 36	21.28	-3.10	18.18	0.066	30.00	-11.82
1720.00	20	QPSK	1 / 99	23.74	-3.10	20.64	0.116	30.00	-9.36
1732.50	20	QPSK	1 / 0	23.75	-3.10	20.65	0.116	30.00	-9.35
1745.00	20	QPSK	1 / 0	23.49	-3.10	20.39	0.109	30.00	-9.61
1720.00	20	16-QAM	1 / 99	22.42	-3.10	19.32	0.086	30.00	-10.68
1720.00	20	64-QAM	1 / 99	21.44	-3.10	18.34	0.068	30.00	-11.66

Table 7-72. Antenna 3a EIRP Data (Band 4)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 293 of 407

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 / 2	23.57	-3.10	20.47	0.111	30.00	-9.53
1745.00	1.4	QPSK	1 / 0	23.67	-3.10	20.57	0.114	30.00	-9.43
1779.30	1.4	QPSK	1 / 0	23.65	-3.10	20.55	0.114	30.00	-9.45
1745.00	1.4	16-QAM	1 / 5	22.52	-3.10	19.42	0.087	30.00	-10.58
1745.00	1.4	64-QAM	1 / 0	21.50	-3.10	18.40	0.069	30.00	-11.60
1711.50	3	QPSK	1 / 7	23.56	-3.10	20.46	0.111	30.00	-9.54
1745.00	3	QPSK	1 / 7	23.65	-3.10	20.55	0.114	30.00	-9.45
1778.50	3	QPSK	1 / 0	23.34	-3.10	20.24	0.106	30.00	-9.76
1745.00	3	16-QAM	1 / 7	22.51	-3.10	19.41	0.087	30.00	-10.59
1745.00	3	64-QAM	1 / 7	21.33	-3.10	18.23	0.067	30.00	-11.77
1712.50	5	QPSK	1 / 24	23.74	-3.10	20.64	0.116	30.00	-9.36
1745.00	5	QPSK	1 / 0	23.75	-3.10	20.65	0.116	30.00	-9.35
1777.50	5	QPSK	1 / 24	23.42	-3.10	20.32	0.108	30.00	-9.68
1745.00	5	16-QAM	1 / 0	22.64	-3.10	19.54	0.090	30.00	-10.46
1745.00	5	64-QAM	1 / 12	21.52	-3.10	18.42	0.070	30.00	-11.58
1715.00	10	QPSK	1 / 25	23.74	-3.10	20.64	0.116	30.00	-9.36
1745.00	10	QPSK	1 / 0	23.71	-3.10	20.61	0.115	30.00	-9.39
1775.00	10	QPSK	1 / 49	23.57	-3.10	20.47	0.111	30.00	-9.53
1745.00	10	16-QAM	1 / 0	22.75	-3.10	19.65	0.092	30.00	-10.35
1745.00	10	64-QAM	1 / 0	21.46	-3.10	18.36	0.069	30.00	-11.64
1717.50	15	QPSK	1 / 74	23.75	-3.10	20.65	0.116	30.00	-9.35
1745.00	15	QPSK	1 / 36	23.69	-3.10	20.59	0.115	30.00	-9.41
1772.50	15	QPSK	1 / 74	23.56	-3.10	20.46	0.111	30.00	-9.54
1745.00	15	16-QAM	1 / 36	22.54	-3.10	19.44	0.088	30.00	-10.56
1745.00	15	64-QAM	1 / 74	21.47	-3.10	18.37	0.069	30.00	-11.63
1720.00	20	QPSK	1 / 99	23.75	-3.10	20.65	0.116	30.00	-9.35
1745.00	20	QPSK	1 / 0	23.69	-3.10	20.59	0.115	30.00	-9.41
1770.00	20	QPSK	1 / 99	23.69	-3.10	20.59	0.115	30.00	-9.41
1745.00	20	16-QAM	1 / 0	22.52	-3.10	19.42	0.087	30.00	-10.58
1745.00	20	64-QAM	1 / 0	21.75	-3.10	18.65	0.073	30.00	-11.35

Table 7-73. Antenna 3a EIRP Data (Band 66)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 294 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 0	23.61	-4.10	19.51	0.089	33.01	-13.50
1880.00	1.4	QPSK	1 / 5	23.49	-4.10	19.39	0.087	33.01	-13.62
1909.30	1.4	QPSK	1 / 5	23.52	-4.10	19.42	0.087	33.01	-13.59
1850.70	1.4	16-QAM	1 / 5	22.42	-4.10	18.32	0.068	33.01	-14.69
1850.70	1.4	64-QAM	1 / 2	21.40	-4.10	17.30	0.054	33.01	-15.71
1851.50	3	QPSK	1 / 7	23.56	-4.10	19.46	0.088	33.01	-13.55
1880.00	3	QPSK	1 / 7	23.48	-4.10	19.38	0.087	33.01	-13.63
1908.50	3	QPSK	1 / 0	23.24	-4.10	19.14	0.082	33.01	-13.87
1851.50	3	16-QAM	1 / 0	22.48	-4.10	18.38	0.069	33.01	-14.63
1851.50	3	64-QAM	1 / 14	21.46	-4.10	17.36	0.054	33.01	-15.65
1852.50	5	QPSK	1 / 0	23.75	-4.10	19.65	0.092	33.01	-13.36
1880.00	5	QPSK	1 / 24	23.69	-4.10	19.59	0.091	33.01	-13.42
1907.50	5	QPSK	1 / 0	23.46	-4.10	19.36	0.086	33.01	-13.65
1852.50	5	16-QAM	1 / 12	22.56	-4.10	18.46	0.070	33.01	-14.55
1852.50	5	64-QAM	1 / 0	21.60	-4.10	17.50	0.056	33.01	-15.51
1855.00	10	QPSK	1 / 0	23.71	-4.10	19.61	0.091	33.01	-13.40
1880.00	10	QPSK	1 / 49	23.57	-4.10	19.47	0.089	33.01	-13.54
1905.00	10	QPSK	1 / 0	23.70	-4.10	19.60	0.091	33.01	-13.41
1905.00	10	16-QAM	1 / 0	22.72	-4.10	18.62	0.073	33.01	-14.39
1905.00	10	64-QAM	1 / 0	21.60	-4.10	17.50	0.056	33.01	-15.51
1857.50	15	QPSK	1 / 0	23.75	-4.10	19.65	0.092	33.01	-13.36
1880.00	15	QPSK	1 / 74	23.51	-4.10	19.41	0.087	33.01	-13.60
1902.50	15	QPSK	1 / 0	23.62	-4.10	19.52	0.090	33.01	-13.49
1902.50	15	16-QAM	1 / 0	22.72	-4.10	18.62	0.073	33.01	-14.39
1902.50	15	64-QAM	1 / 0	21.44	-4.10	17.34	0.054	33.01	-15.67
1860.00	20	QPSK	1 / 0	23.70	-4.10	19.60	0.091	33.01	-13.41
1880.00	20	QPSK	1 / 99	23.54	-4.10	19.44	0.088	33.01	-13.57
1900.00	20	QPSK	1 / 50	23.75	-4.10	19.65	0.092	33.01	-13.36
1900.00	20	16-QAM	1 / 50	22.64	-4.10	18.54	0.071	33.01	-14.47
1900.00	20	64-QAM	1 / 50	21.56	-4.10	17.46	0.056	33.01	-15.55

Table 7-74. Antenna 3a EIRP Data (Band 2)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 295 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 0	23.44	-4.10	19.34	0.086	33.01	-13.67
1882.50	1.4	QPSK	1 / 0	23.33	-4.10	19.23	0.084	33.01	-13.78
1914.30	1.4	QPSK	1 / 5	23.72	-4.10	19.62	0.092	33.01	-13.39
1882.50	1.4	16-QAM	1 / 5	22.33	-4.10	18.23	0.067	33.01	-14.78
1882.50	1.4	64-QAM	1 / 5	21.07	-4.10	16.97	0.050	33.01	-16.04
1851.50	3	QPSK	1 / 7	23.41	-4.10	19.31	0.085	33.01	-13.70
1882.50	3	QPSK	1 / 7	23.29	-4.10	19.19	0.083	33.01	-13.82
1913.50	3	QPSK	1 / 14	23.46	-4.10	19.36	0.086	33.01	-13.65
1913.50	3	16-QAM	1 / 14	22.48	-4.10	18.38	0.069	33.01	-14.63
1913.50	3	64-QAM	1 / 14	21.43	-4.10	17.33	0.054	33.01	-15.68
1852.50	5	QPSK	1 / 0	23.61	-4.10	19.51	0.089	33.01	-13.50
1882.50	5	QPSK	1 / 0	23.47	-4.10	19.37	0.086	33.01	-13.64
1912.50	5	QPSK	1 / 24	23.60	-4.10	19.50	0.089	33.01	-13.51
1852.50	5	16-QAM	1 / 0	22.51	-4.10	18.41	0.069	33.01	-14.60
1852.50	5	64-QAM	1 / 0	21.38	-4.10	17.28	0.053	33.01	-15.73
1855.00	10	QPSK	1 / 0	23.50	-4.10	19.40	0.087	33.01	-13.61
1882.50	10	QPSK	1 / 49	23.40	-4.10	19.30	0.085	33.01	-13.71
1910.00	10	QPSK	1 / 49	23.57	-4.10	19.47	0.089	33.01	-13.54
1910.00	10	16-QAM	1 / 49	22.49	-4.10	18.39	0.069	33.01	-14.62
1910.00	10	64-QAM	1 / 49	21.38	-4.10	17.28	0.053	33.01	-15.73
1857.50	15	QPSK	1 / 0	23.63	-4.10	19.53	0.090	33.01	-13.48
1882.50	15	QPSK	1 / 36	23.34	-4.10	19.24	0.084	33.01	-13.77
1907.50	15	QPSK	1 / 74	23.53	-4.10	19.43	0.088	33.01	-13.58
1907.50	15	16-QAM	1 / 0	22.50	-4.10	18.40	0.069	33.01	-14.61
1907.50	15	64-QAM	1 / 74	21.39	-4.10	17.29	0.054	33.01	-15.72
1860.00	20	QPSK	1 / 0	23.63	-4.10	19.53	0.090	33.01	-13.48
1882.50	20	QPSK	1 / 99	23.35	-4.10	19.25	0.084	33.01	-13.76
1905.00	20	QPSK	1 / 99	23.75	-4.10	19.65	0.092	33.01	-13.36
1905.00	20	16-QAM	1 / 0	22.48	-4.10	18.38	0.069	33.01	-14.63
1905.00	20	64-QAM	1 / 99	21.55	-4.10	17.45	0.056	33.01	-15.56

Table 7-75. Antenna 3a EIRP Data (Band 25)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 296 of 407

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	25 / 0	23.31	-3.30	20.01	0.100	23.98	-3.97
2312.50	5	QPSK	1 / 0	23.50	-3.30	20.20	0.105	23.98	-3.78
2312.50	5	16-QAM	1 / 0	22.74	-3.30	19.44	0.088	23.98	-4.54
2312.50	5	64-QAM	1 / 12	21.55	-3.30	18.25	0.067	23.98	-5.73
2310.00	10	QPSK	1 / 25	23.50	-3.30	20.20	0.105	23.98	-3.78
2310.00	10	16-QAM	1 / 49	22.83	-3.30	19.53	0.090	23.98	-4.45
2310.00	10	64-QAM	1 / 25	21.79	-3.30	18.49	0.071	23.98	-5.49

Table 7-76. Antenna 3a EIRP Data (Band 30)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 297 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 24	23.30	-1.70	21.60	0.145	33.01	-11.41
2535.00	5	QPSK	1 / 0	23.23	-1.70	21.53	0.142	33.01	-11.48
2567.50	5	QPSK	1 / 0	23.50	-1.70	21.80	0.151	33.01	-11.21
2567.50	5	16-QAM	1 / 24	22.64	-1.70	20.94	0.124	33.01	-12.07
2567.50	5	64-QAM	1 / 0	21.63	-1.70	19.93	0.098	33.01	-13.08
2505.00	10	QPSK	1 / 49	23.50	-1.70	21.80	0.151	33.01	-11.21
2535.00	10	QPSK	1 / 0	23.30	-1.70	21.60	0.145	33.01	-11.41
2565.00	10	QPSK	1 / 0	23.44	-1.70	21.74	0.149	33.01	-11.27
2505.00	10	16-QAM	1 / 25	22.71	-1.70	21.01	0.126	33.01	-12.00
2505.00	10	64-QAM	1 / 49	21.59	-1.70	19.89	0.097	33.01	-13.12
2507.50	15	QPSK	1 / 74	23.45	-1.70	21.75	0.150	33.01	-11.26
2535.00	15	QPSK	1 / 0	23.29	-1.70	21.59	0.144	33.01	-11.42
2562.50	15	QPSK	1 / 36	23.44	-1.70	21.74	0.149	33.01	-11.27
2507.50	15	16-QAM	1 / 74	22.75	-1.70	21.05	0.127	33.01	-11.96
2507.50	15	64-QAM	1 / 0	21.70	-1.70	20.00	0.100	33.01	-13.01
2510.00	20	QPSK	1 / 99	23.50	-1.70	21.80	0.151	33.01	-11.21
2535.00	20	QPSK	1 / 0	23.42	-1.70	21.72	0.149	33.01	-11.29
2560.00	20	QPSK	1 / 99	23.47	-1.70	21.77	0.150	33.01	-11.24
2510.00	20	16-QAM	1 / 99	22.66	-1.70	20.96	0.125	33.01	-12.05
2510.00	20	64-QAM	1 / 50	21.74	-1.70	20.04	0.101	33.01	-12.97

Table 7-77. Antenna 3a EIRP Data (Band 7)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 298 of 407

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 12	24.99	-1.70	23.29	0.213	33.01	-9.72
2593.00	5	QPSK	1 / 0	26.36	-1.70	24.66	0.292	33.01	-8.35
2687.50	5	QPSK	1 / 0	26.43	-1.70	24.73	0.297	33.01	-8.28
2687.50	5	16-QAM	1 / 0	25.88	-1.70	24.18	0.262	33.01	-8.83
2687.50	5	64-QAM	1 / 24	24.95	-1.70	23.25	0.211	33.01	-9.76
2501.00	10	QPSK	1 / 49	24.88	-1.70	23.18	0.208	33.01	-9.83
2593.00	10	QPSK	1 / 49	26.37	-1.70	24.67	0.293	33.01	-8.34
2685.00	10	QPSK	1 / 0	26.37	-1.70	24.67	0.293	33.01	-8.34
2593.00	10	16-QAM	1 / 0	26.08	-1.70	24.38	0.274	33.01	-8.63
2593.00	10	64-QAM	1 / 0	24.89	-1.70	23.19	0.208	33.01	-9.82
2503.50	15	QPSK	1 / 74	25.00	-1.70	23.30	0.214	33.01	-9.71
2593.00	15	QPSK	1 / 36	26.49	-1.70	24.79	0.301	33.01	-8.22
2682.50	15	QPSK	1 / 0	26.26	-1.70	24.56	0.286	33.01	-8.45
2593.00	15	16-QAM	1 / 36	25.79	-1.70	24.09	0.256	33.01	-8.92
2593.00	15	64-QAM	1 / 36	24.73	-1.70	23.03	0.201	33.01	-9.98
2506.00	20	QPSK	1 / 99	25.00	-1.70	23.30	0.214	33.01	-9.71
2593.00	20	QPSK	1 / 0	26.50	-1.70	24.80	0.302	33.01	-8.21
2680.00	20	QPSK	1 / 99	26.48	-1.70	24.78	0.301	33.01	-8.23
2593.00	20	16-QAM	1 / 99	26.03	-1.70	24.33	0.271	33.01	-8.68
2593.00	20	64-QAM	1 / 99	24.88	-1.70	23.18	0.208	33.01	-9.83

Table 7-78. Antenna 3a EIRP Data (Band 41 PC2)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 299 of 407

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	23.50	-1.70	21.80	0.151	33.01	-11.21
2593.00	5	QPSK	1 / 24	23.50	-1.70	21.80	0.151	33.01	-11.21
2687.50	5	QPSK	1 / 24	23.26	-1.70	21.56	0.143	33.01	-11.45
2593.00	5	16-QAM	1 / 24	22.83	-1.70	21.13	0.130	33.01	-11.88
2593.00	5	64-QAM	1 / 24	21.62	-1.70	19.92	0.098	33.01	-13.09
2501.00	10	QPSK	1 / 49	23.50	-1.70	21.80	0.151	33.01	-11.21
2593.00	10	QPSK	1 / 0	23.03	-1.70	21.33	0.136	33.01	-11.68
2685.00	10	QPSK	1 / 49	23.17	-1.70	21.47	0.140	33.01	-11.54
2685.00	10	16-QAM	1 / 49	22.71	-1.70	21.01	0.126	33.01	-12.00
2685.00	10	64-QAM	1 / 49	21.54	-1.70	19.84	0.096	33.01	-13.17
2503.50	15	QPSK	1 / 74	23.50	-1.70	21.80	0.151	33.01	-11.21
2593.00	15	QPSK	1 / 36	23.50	-1.70	21.80	0.151	33.01	-11.21
2682.50	15	QPSK	1 / 74	23.15	-1.70	21.45	0.140	33.01	-11.56
2593.00	15	16-QAM	1 / 36	22.74	-1.70	21.04	0.127	33.01	-11.97
2593.00	15	64-QAM	1 / 36	21.64	-1.70	19.94	0.099	33.01	-13.07
2506.00	20	QPSK	1 / 99	23.38	-1.70	21.68	0.147	33.01	-11.33
2593.00	20	QPSK	1 / 0	23.50	-1.70	21.80	0.151	33.01	-11.21
2680.00	20	QPSK	1 / 99	23.42	-1.70	21.72	0.149	33.01	-11.29
2593.00	20	16-QAM	1 / 50	22.98	-1.70	21.28	0.134	33.01	-11.73
2593.00	20	64-QAM	1 / 0	22.01	-1.70	20.31	0.107	33.01	-12.70

Table 7-79. Antenna 3a EIRP Data (Band 41 PC3)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 300 of 407

7.9 Radiated Spurious Emissions

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI C63.26-2015 and 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 C63.26-2015

TIA-603-E-2016 – Section 2.2.12

Test Settings

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Test Setup

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

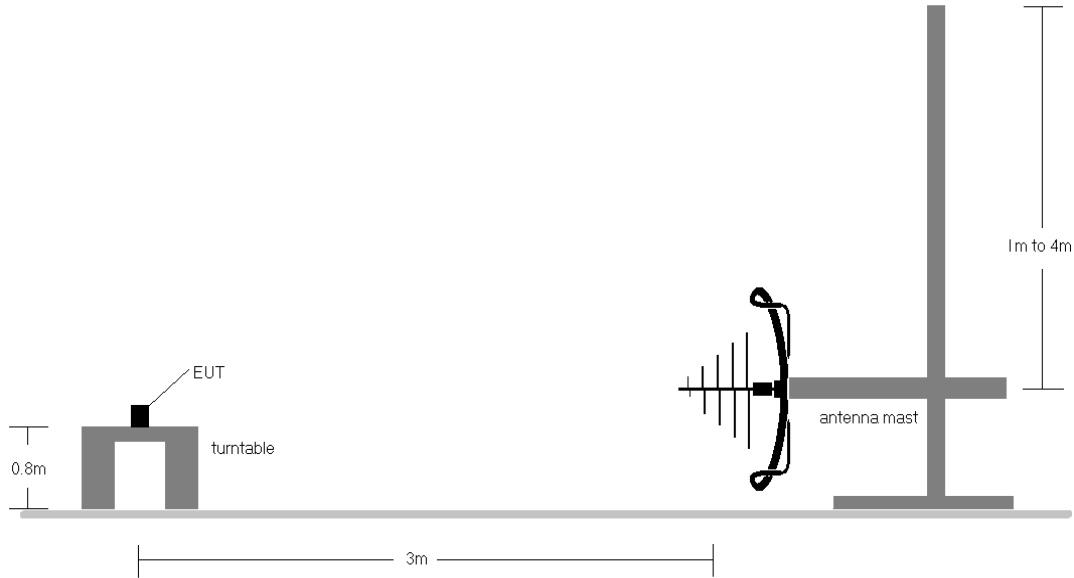


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

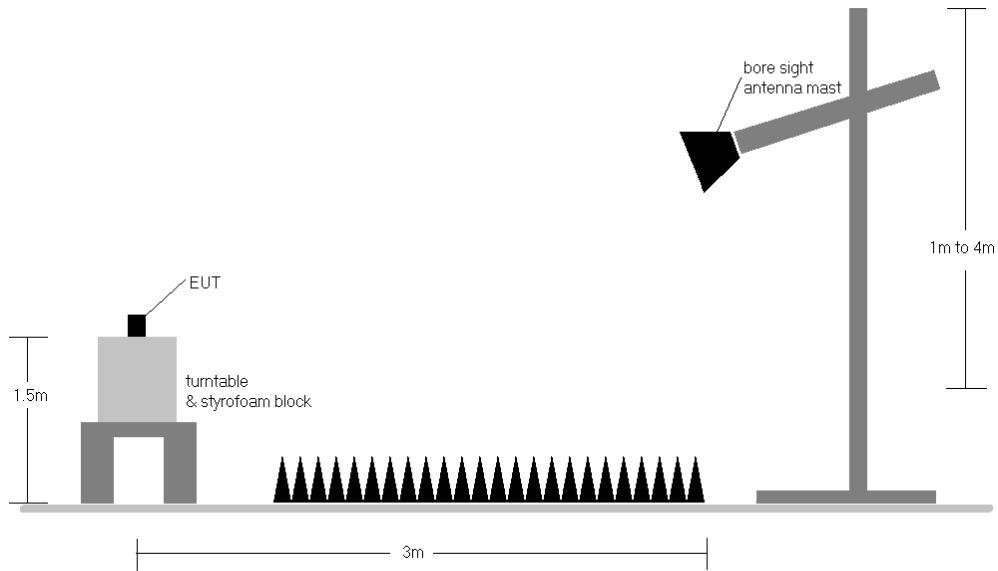


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

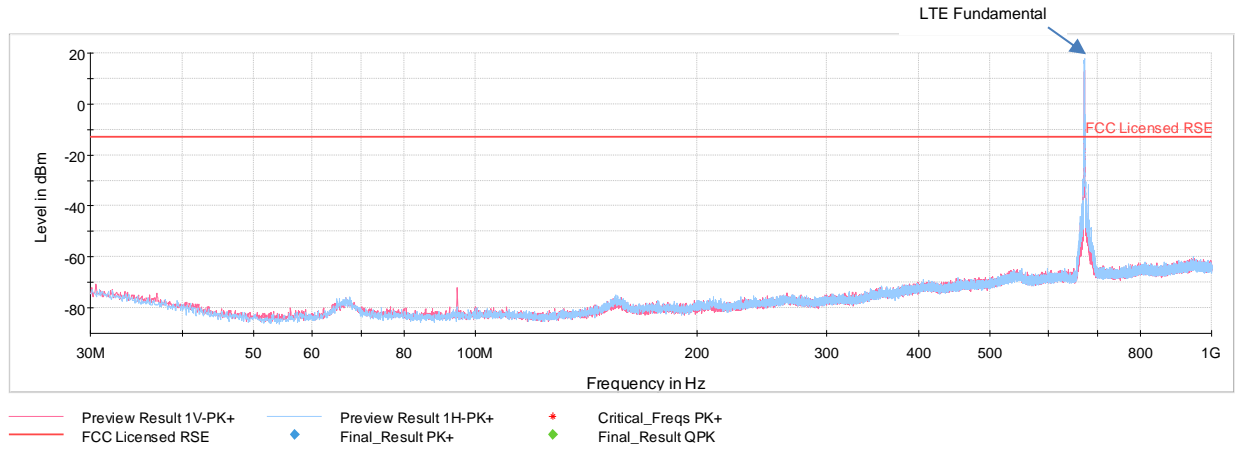
<p>FCC ID: BCGA2324</p>		<p>MEASUREMENT REPORT (CERTIFICATION)</p>	<p>Approved by: Quality Manager</p>
<p>Test Report S/N: 1C2004270029-03.BCG</p>	<p>Test Dates: 07/16/2020 - 09/09/2020</p>	<p>EUT Type: Tablet Device</p>	<p>Page 302 of 407</p>

Test Notes

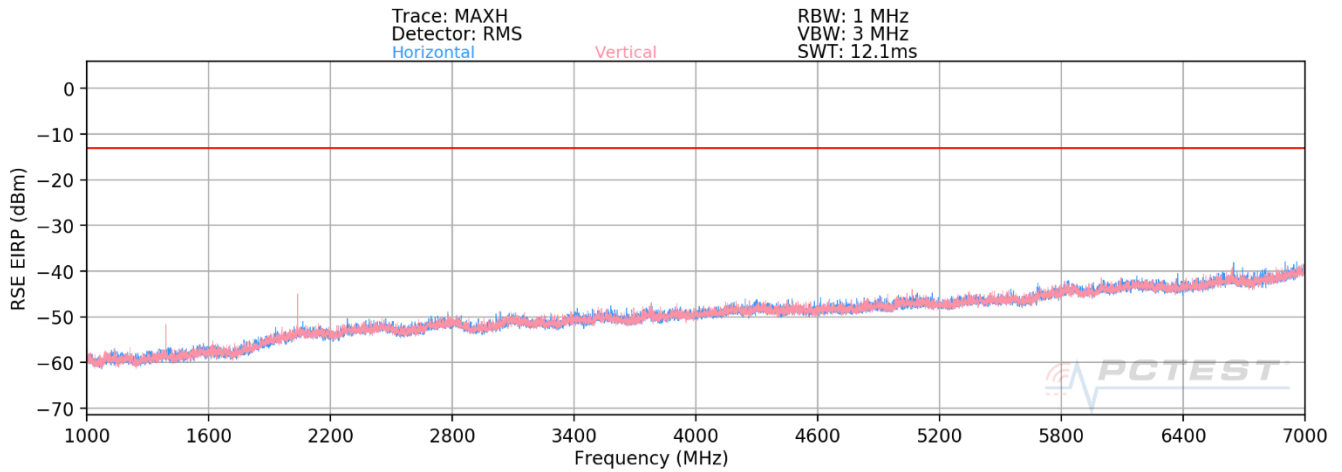
- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with modulations, offsets and channel bandwidth configurations in this section. 1RB config was found and reported as a worst case RB size.
- 2) This unit was 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) D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 5) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 6) No significant emissions were found for below 1GHz and Above 18GHz measurement.
- 7) For LTE Band 30 pre-scans above 1GHz, the RBW is set to 1MHz and VBW to 30kHz. For final measurements above 1GHz, the RBW is set to 1MHz and VBW to 3MHz when measuring with an RMS detector and trace averaging.

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.9.1 Antenna 4 Radiated Spurious Emissions Measurements Band 71



Plot 7-436. Radiated Spurious Emissions below 1GHz (Band 71)



Plot 7-437. Radiated Spurious Emissions above 1GHz (Band 71)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 304 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1346.00	H	187	98	-70.01	3.71	-66.30	-53.3
2019.00	H	308	358	-57.69	2.98	-54.71	-41.7
2692.00	H	-	-	-66.09	4.84	-61.25	-48.2
3365.00	H	-	-	-67.76	6.58	-61.18	-48.2
4038.00	H	-	-	-68.64	7.85	-60.80	-47.8

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1361.00	H	187	175	-68.24	3.58	-64.66	-51.7
2041.50	H	315	344	-58.26	2.95	-55.30	-42.3
2722.00	H	-	-	-66.00	4.93	-61.07	-48.1
3402.50	H	356	141	-67.39	6.63	-60.76	-47.8
4083.00	H	-	-	-68.72	7.82	-60.89	-47.9
4763.50	H	-	-	-68.73	8.61	-60.12	-47.1
5444.00	H	-	-	-67.86	9.23	-58.63	-45.6

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 305 of 407

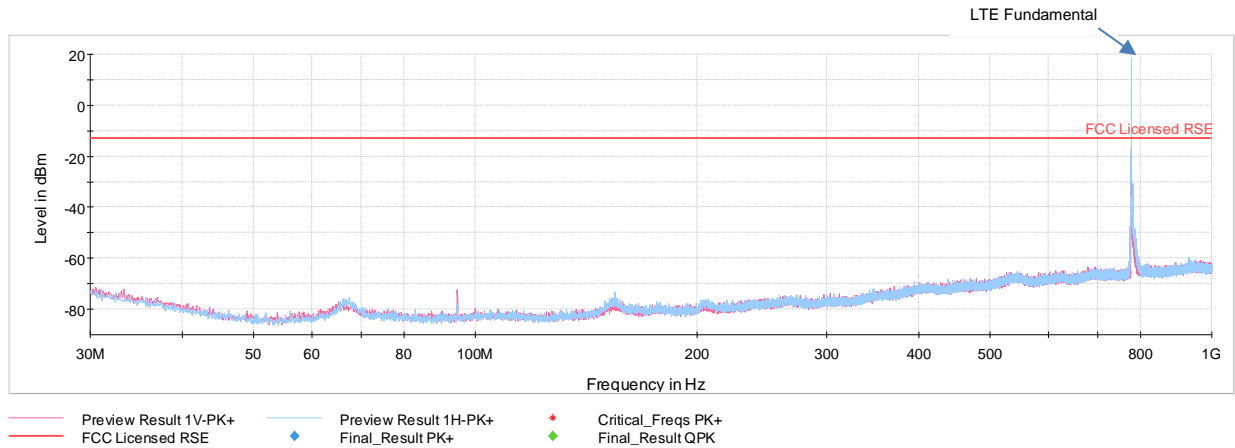
OPERATING FREQUENCY: 688.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1376.00	H	175	273	-66.88	3.33	-63.55	-50.5
2064.00	H	315	341	-60.10	2.93	-57.17	-44.2
2752.00	H	-	-	-66.82	5.09	-61.73	-48.7
3440.00	H	-	-	-67.91	6.69	-61.22	-48.2
4128.00	H	-	-	-68.79	7.85	-60.94	-47.9

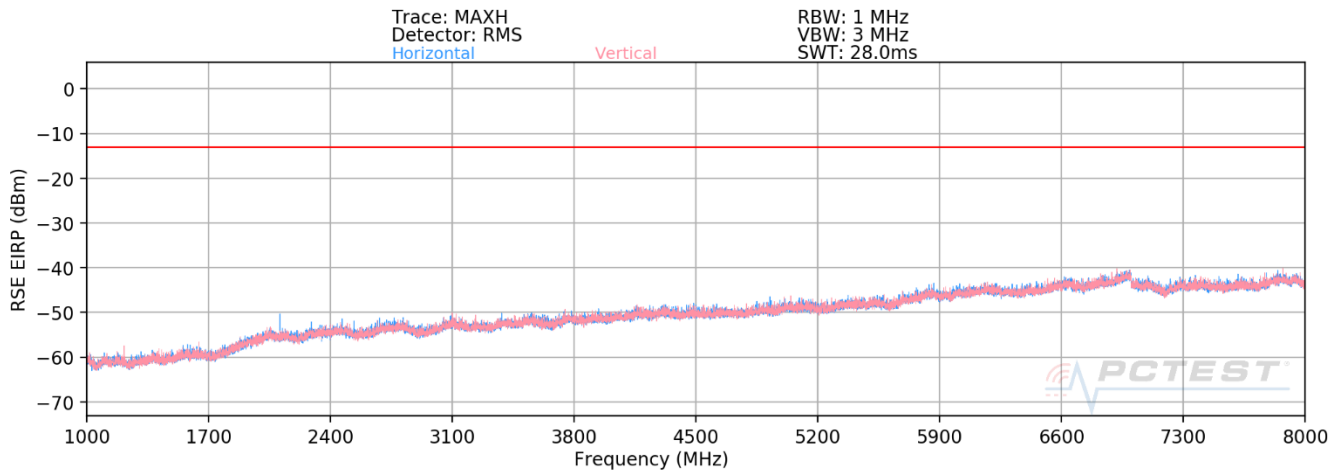
Table 7-82. Radiated Spurious Data (Band 71 - High Channel)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 306 of 407

Band 12/17



Plot 7-438. Radiated Spurious Emissions below 1GHz (Band 12/17)



Plot 7-439. Radiated Spurious Emissions above 1GHz (Band 12/17)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 307 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1408.00	H	330	345	-70.11	3.20	-66.91	-53.9
2112.00	H	247	189	-62.11	3.13	-58.99	-46.0
2816.00	H	-	-	-67.09	5.31	-61.77	-48.8
3520.00	H	-	-	-67.85	6.80	-61.04	-48.0
4224.00	H	-	-	-68.70	8.03	-60.67	-47.7

Table 7-83. Radiated Spurious Data (Band 12/17 - Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1415.00	H	191	184	-69.13	3.26	-65.87	-52.9
2122.50	H	308	241	-59.29	3.18	-56.11	-43.1
2830.00	H	-	-	-67.32	5.30	-62.02	-49.0
3537.50	H	-	-	-68.09	6.80	-61.30	-48.3
4245.00	H	-	-	-68.64	8.05	-60.58	-47.6

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 308 of 407

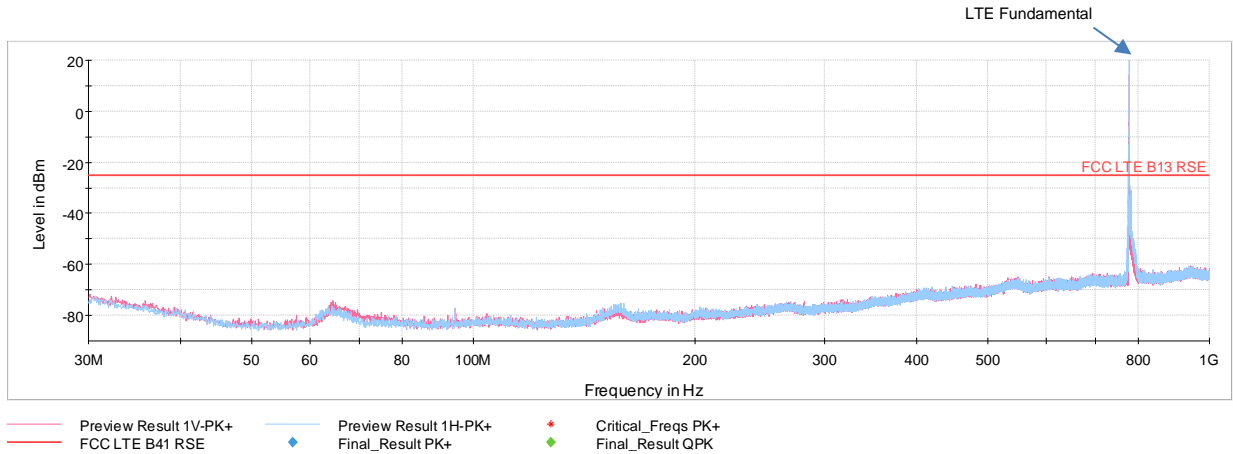
OPERATING FREQUENCY: 711.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1422.00	H	153	247	-68.77	3.35	-65.42	-52.4
2133.00	H	29	153	-56.12	3.23	-52.89	-39.9
2844.00	H	-	-	-67.51	5.37	-62.14	-49.1
3555.00	H	132	327	-67.57	6.81	-60.76	-47.8
4266.00	H	-	-	-68.83	8.05	-60.78	-47.8
4977.00	H	-	-	-67.88	8.83	-59.04	-46.0
5688.00	H	-	-	-67.27	9.35	-57.92	-44.9

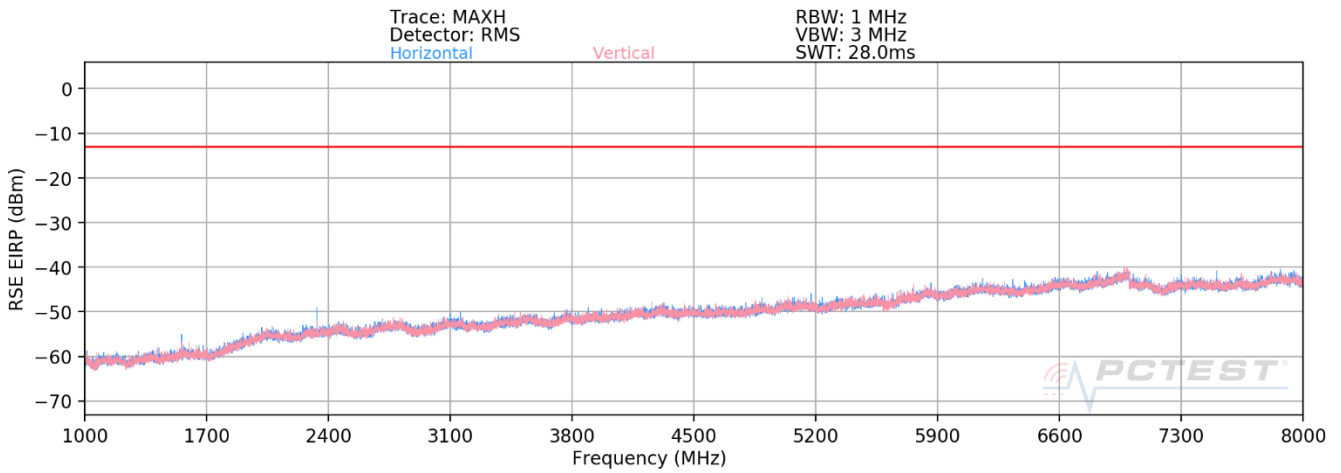
Table 7-85. Radiated Spurious Data (Band 12/17 - High Channel)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 309 of 407

Band 13



Plot 7-440. Radiated Spurious Emissions below 1GHz (Band 13)



Plot 7-441. Radiated Spurious Emissions above 1GHz (Band 13)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 310 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2338.50	H	253	332	-54.70	3.95	-50.75	-37.8
3118.00	H	-	-	-67.66	6.09	-61.57	-48.6
3897.50	H	-	-	-68.80	7.65	-61.15	-48.2
4677.00	H	-	-	-68.42	8.55	-59.88	-46.9

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2346.00	H	118	27	-65.08	3.97	-61.11	-48.1
3128.00	H	-	-	-68.30	6.13	-62.17	-49.2
3910.00	H	-	-	-68.89	7.67	-61.22	-48.2
4692.00	H	-	-	-68.47	8.57	-59.90	-46.9

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 311 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2353.50	H	204	37	-63.45	3.94	-59.51	-46.5
3138.00	H	-	-	-68.25	6.17	-62.08	-49.1
3922.50	H	-	-	-68.75	7.69	-61.06	-48.1
4707.00	H	-	-	-68.79	8.59	-60.20	-47.2

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

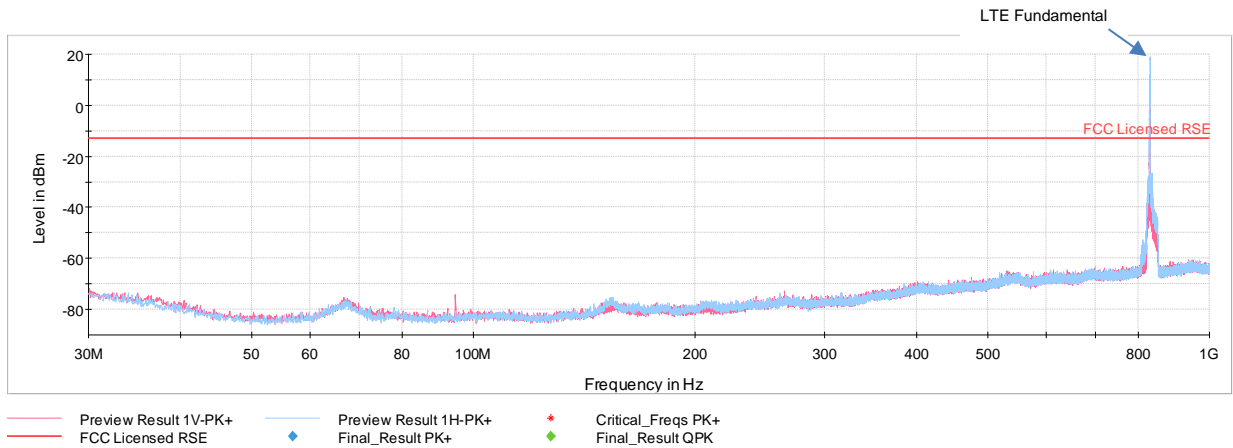
MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.00 MHz
 DISTANCE: 3 meters
 NARROWBAND EMISSION LIMIT: -50 dBm
 WIDEBAND EMISSION LIMIT: -40 dBm/MHz

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1559.00	H	279	238	-68.13	3.73	-64.40	-24.4
1564.00	H	277	327	-70.42	3.71	-66.71	-26.7
1569.00	H	286	224	-69.25	3.68	-65.57	-25.6

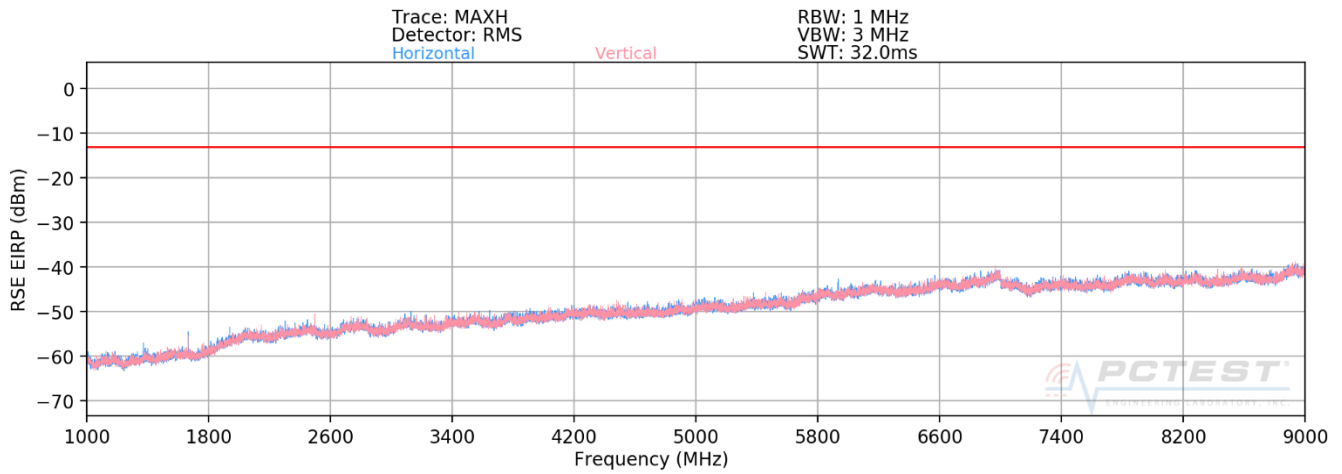
Table 7-89. Radiated Spurious Data (Band 13 – 1559-1610MHz Band)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 312 of 407

Band 26/5



Plot 7-442. Radiated Spurious Emissions below 1GHz (Band 26/5)



Plot 7-443. Radiated Spurious Emissions above 1GHz (Band 26/5)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 313 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	H	172	184	-68.68	3.80	-64.87	-51.9
2487.00	H	181	156	-57.41	4.34	-53.07	-40.1
3316.00	H	-	-	-68.70	6.51	-62.19	-49.2
4145.00	H	-	-	-68.58	7.88	-60.70	-47.7
4974.00	H	-	-	-68.22	8.83	-59.38	-46.4

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.00	H	183	184	-61.99	3.69	-58.29	-45.3
2509.50	H	162	150	-61.74	4.20	-57.55	-44.5
3346.00	H	-	-	-68.45	6.55	-61.89	-48.9
4182.50	H	-	-	-68.30	7.97	-60.33	-47.3
5019.00	H	-	-	-68.12	8.86	-59.26	-46.3

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 314 of 407

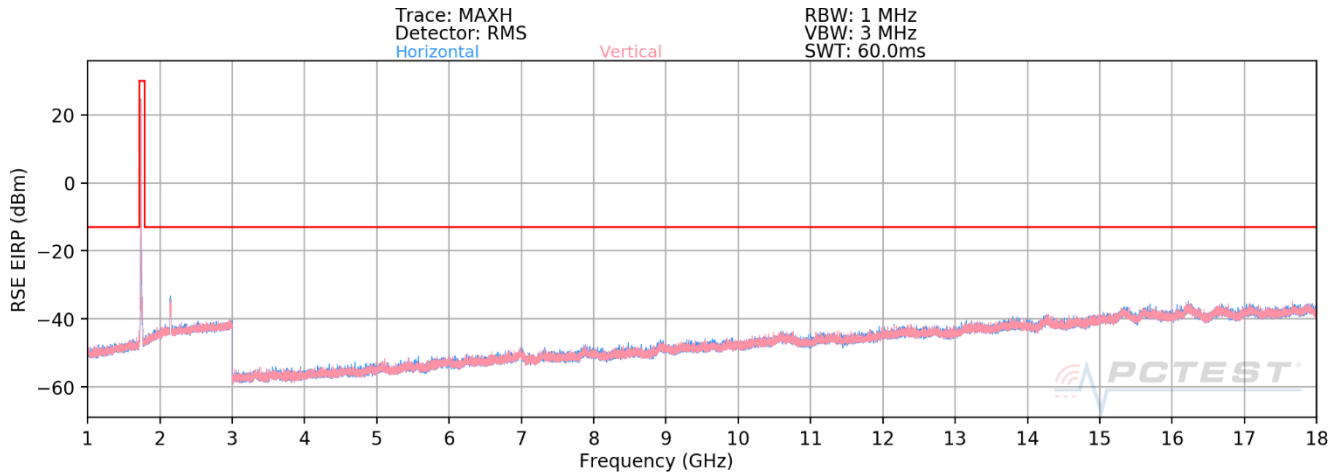
OPERATING FREQUENCY: 844.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	H	100	166	-53.75	3.70	-50.05	-37.0
2532.00	H	265	166	-58.85	4.36	-54.49	-41.5
3376.00	H	-	-	-67.94	6.60	-61.35	-48.3
4220.00	H	-	-	-68.32	8.03	-60.29	-47.3
5064.00	H	-	-	-68.65	8.93	-59.72	-46.7

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 315 of 407

Band 66/4



Plot 7-444. Radiated Spurious Emissions above 1GHz (Band 66/4)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	-	-	-68.50	6.69	-61.81	-48.8
5160.00	H	121	49	-58.66	9.08	-49.58	-36.6
6880.00	H	-	-	-65.35	9.54	-55.80	-42.8
8600.00	H	-	-	-64.51	9.65	-54.85	-41.9
10320.00	H	-	-	-61.70	9.56	-52.14	-39.1

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 316 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	-	-	-68.84	6.79	-62.06	-49.1
5235.00	H	-	-	-68.82	9.16	-59.66	-46.7
6980.00	H	-	-	-64.45	9.49	-54.96	-42.0

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

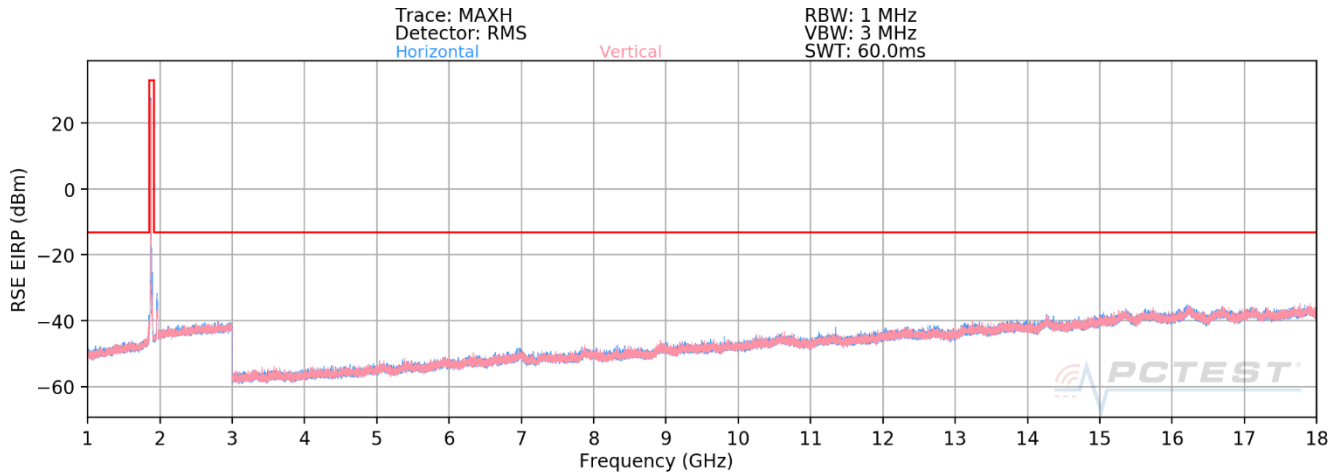
OPERATING FREQUENCY: 1770.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	-	-	-67.98	6.80	-61.18	-48.2
5310.00	H	-	-	-68.40	9.11	-59.28	-46.3
7080.00	H	-	-	-66.48	9.46	-57.03	-44.0

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 317 of 407

Band 25/2



Plot 7-445. Radiated Spurious Emissions above 1GHz (Band 25/2)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	359	159	-67.97	7.29	-60.68	-47.7
5580.00	H	-	-	-67.98	9.37	-58.61	-45.6
7440.00	H	-	-	-65.46	9.44	-56.02	-43.0
9300.00	H	-	-	-62.83	9.53	-53.30	-40.3

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 318 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	351	148	-68.09	7.30	-60.79	-47.8
5647.50	H	-	-	-68.82	9.37	-59.45	-46.5
7530.00	H	-	-	-66.01	9.44	-56.56	-43.6
9412.50	H	-	-	-62.62	9.56	-53.07	-40.1

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-68.55	7.37	-61.17	-48.2
5715.00	H	-	-	-68.12	9.38	-58.74	-45.7
7620.00	H	-	-	-65.78	9.38	-56.40	-43.4

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 319 of 407

Band 30

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	H	149	306	-67.50	8.42	-59.07	-19.1
6922.50	H	-	-	-65.12	9.51	-55.61	-15.6
9230.00	H	-	-	-62.45	9.54	-52.92	-12.9
11537.50	H	-	-	-60.51	9.54	-50.97	-11.0

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	H	107	312	-67.43	8.44	-59.00	-19.0
6930.00	H	-	-	-62.37	9.51	-52.87	-12.9
9240.00	H	-	-	-62.52	9.54	-52.99	-13.0
11550.00	H	-	-	-60.58	9.56	-51.02	-11.0

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 320 of 407

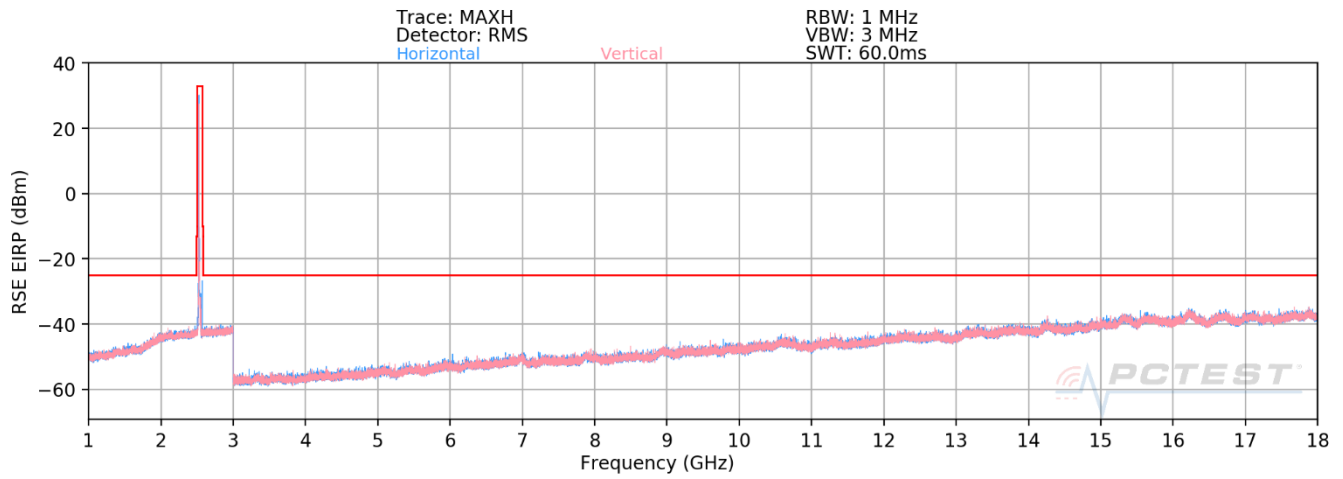
OPERATING FREQUENCY: 2312.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	H	111	294	-67.66	8.45	-59.21	-19.2
6937.50	H	-	-	-64.77	9.50	-55.26	-15.3
9250.00	H	-	-	-62.72	9.54	-53.18	-13.2
11562.50	H	-	-	-60.37	9.55	-50.81	-10.8

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

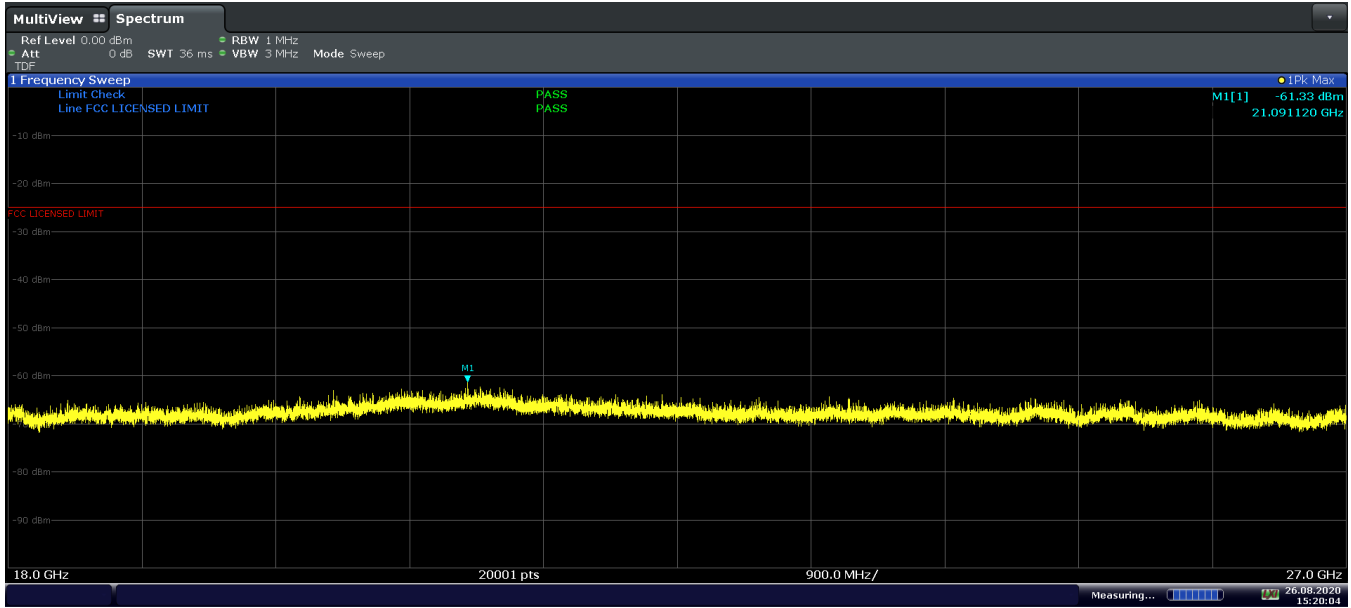
FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 321 of 407

Band 7



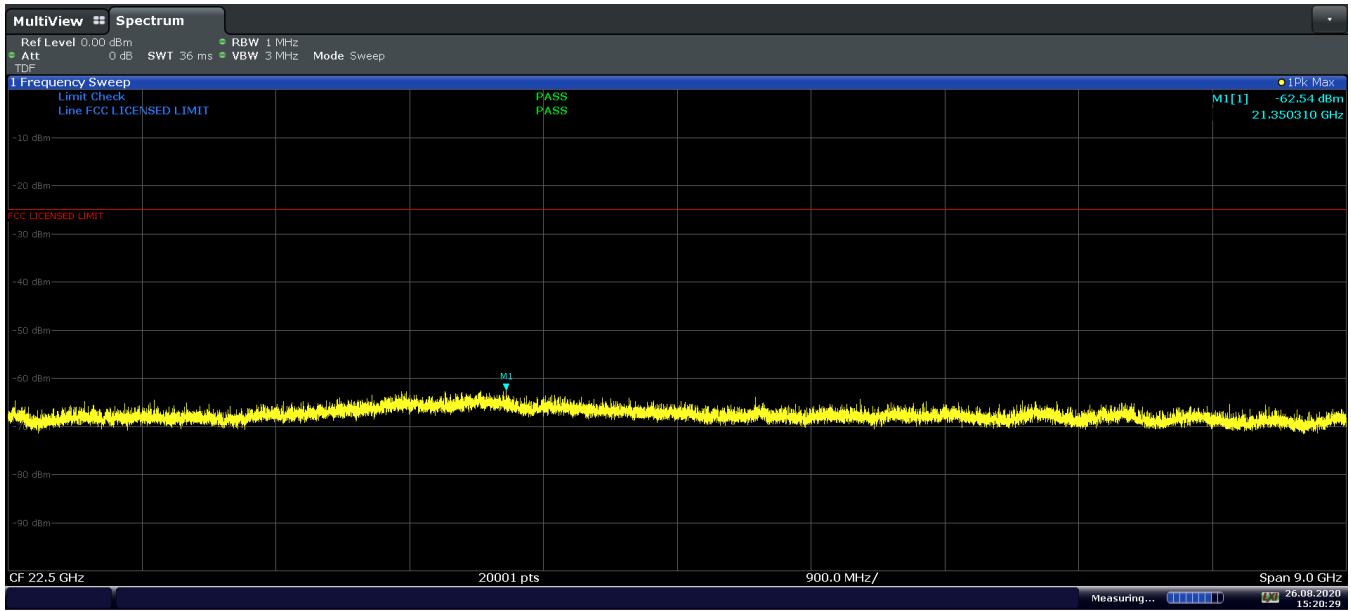
Plot 7-446. Radiated Spurious Emissions 1GHz - 18GHz (Band 7)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 322 of 407



15:20:05 26.08.2020

Plot 7-447. Radiated Spurious Emissions Above 18GHz (Band 7, Pol H)



15:20:30 26.08.2020

Plot 7-448. Radiated Spurious Emissions Above 18GHz (Band 7, Pol. V)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 323 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	H	-	-	-68.10	8.86	-59.24	-34.2
7530.00	H	-	-	-65.83	9.44	-56.38	-31.4
10040.00	H	-	-	-62.04	9.55	-52.48	-27.5

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-67.65	8.94	-58.71	-33.7
7605.00	H	-	-	-65.73	9.37	-56.36	-31.4
10140.00	H	-	-	-61.65	9.59	-52.06	-27.1

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-68.05	9.01	-59.04	-34.0
7680.00	H	-	-	-65.03	9.40	-55.62	-30.6
10240.00	H	-	-	-61.67	9.56	-52.11	-27.1

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 324 of 407

Band 41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	-	-	-61.62	8.85	-52.77	-27.8
7518.00	V	-	-	-59.93	9.44	-50.49	-25.5
10024.00	V	-	-	-58.21	9.54	-48.67	-23.7

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	-	-	-61.39	9.13	-52.26	-27.3
7779.00	V	-	-	-59.98	9.38	-50.60	-25.6
10372.00	V	-	-	-58.32	9.52	-48.79	-23.8

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 325 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-61.17	9.13	-52.05	-27.0
8040.00	V	-	-	-60.53	9.41	-51.12	-26.1
10720.00	V	-	-	-56.59	9.49	-47.09	-22.1

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

FCC ID: BCGA2324	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 326 of 407

7.9.2 Antenna 3b Radiated Spurious Emissions Measurements Band 71

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1346.00	H	-	-	-71.37	3.71	-67.66	-54.7
2019.00	H	301	312	-60.66	2.98	-57.68	-44.7
2692.00	H	-	-	-66.06	4.84	-61.22	-48.2
3365.00	H	-	-	-67.99	6.58	-61.41	-48.4
4038.00	H	-	-	-68.53	7.85	-60.69	-47.7

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1361.00	V	18	33	-70.83	3.58	-67.25	-54.3
2041.50	H	132	82	-58.58	2.95	-55.62	-42.6
2722.00	H	-	-	-66.15	4.93	-61.22	-48.2
3402.50	H	-	-	-67.80	6.63	-61.17	-48.2
4083.00	H	-	-	-68.65	7.82	-60.82	-47.8

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 327 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1376.00	H	-	-	-70.51	3.33	-67.18	-54.2
2064.00	H	121	62	-58.98	2.93	-56.05	-43.1
2752.00	H	-	-	-66.86	5.09	-61.77	-48.8
3440.00	H	-	-	-67.93	6.69	-61.24	-48.2
4128.00	H	-	-	-68.83	7.85	-60.98	-48.0

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 328 of 407

Band 12/17

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1408.00	H	-	-	-70.51	3.20	-67.31	-54.3
2112.00	H	150	91	-63.26	3.13	-60.14	-47.1
2816.00	H	-	-	-67.20	5.31	-61.88	-48.9
3520.00	H	-	-	-67.70	6.80	-60.89	-47.9
4224.00	H	-	-	-68.46	8.03	-60.43	-47.4

Table 7-111. Radiated Spurious Data (Band 12/17 - Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1415.00	H	249	338	-70.49	3.26	-67.23	-54.2
2122.50	H	290	150	-66.72	3.18	-63.54	-50.5
2830.00	H	-	-	-67.21	5.30	-61.91	-48.9
3537.50	H	-	-	-67.96	6.80	-61.17	-48.2
4245.00	H	-	-	-68.47	8.05	-60.41	-47.4

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 329 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1422.00	H	258	168	-66.00	3.35	-62.65	-49.6
2133.00	H	293	306	-62.00	3.23	-58.77	-45.8
2844.00	H	-	-	-67.30	5.37	-61.93	-48.9
3555.00	H	-	-	-67.90	6.81	-61.09	-48.1
4266.00	H	-	-	-68.32	8.05	-60.27	-47.3

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 330 of 407

Band 13

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2338.50	V	150	31	-57.12	3.95	-53.17	-40.2
3118.00	V	-	-	-67.53	6.09	-61.44	-48.4
3897.50	V	-	-	-68.81	7.65	-61.16	-48.2
4677.00	V	-	-	-68.72	8.55	-60.18	-47.2

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2346.00	V	150	348	-64.52	3.97	-60.55	-47.5
3128.00	V	-	-	-68.15	6.13	-62.02	-49.0
3910.00	V	-	-	-68.90	7.67	-61.23	-48.2
4692.00	V	-	-	-68.70	8.57	-60.13	-47.1

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 331 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
2353.50	V	114	337	-57.51	3.94	-53.57	-40.6
3138.00	V	-	-	-68.13	6.17	-61.96	-49.0
3922.50	V	-	-	-68.78	7.69	-61.09	-48.1
4707.00	V	-	-	-68.59	8.59	-60.00	-47.0

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1559.00	H	220	20	-70.54	3.73	-66.81	-26.8
1564.00	H	223	54	-69.25	3.71	-65.54	-25.5
1569.00	H	249	20	-68.77	3.68	-65.09	-25.1

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 332 of 407

Band 26/5

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	H	347	215	-50.54	3.80	-46.73	-33.7
2487.00	H	125	282	-60.30	4.34	-55.96	-43.0
3316.00	H	107	49	-56.61	6.51	-50.10	-37.1
4145.00	H	-	-	-68.66	7.88	-60.78	-47.8
4974.00	H	210	302	-63.30	8.83	-54.46	-41.5

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.00	H	103	13	-67.15	3.69	-63.45	-50.5
2509.50	H	121	141	-56.53	4.20	-52.34	-39.3
3346.00	H	-	-	-68.23	6.55	-61.67	-48.7
4182.50	H	-	-	-68.20	7.97	-60.23	-47.2
5019.00	H	-	-	-68.09	8.86	-59.23	-46.2

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 333 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	H	352	212	-48.84	3.70	-45.14	-32.1
2532.00	V	359	273	-61.01	4.36	-56.65	-43.7
3376.00	V	-	-	-58.17	6.60	-51.58	-38.6
4220.00	V	-	-	-57.73	8.03	-49.70	-36.7
5064.00	V	-	-	-64.59	8.93	-55.66	-42.7

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 334 of 407

7.9.3 Antenna 2a Radiated Spurious Emissions Measurements Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	319	334	-67.46	6.69	-60.77	-47.8
5160.00	H	356	334	-58.50	9.08	-49.42	-36.4
6880.00	H	-	-	-65.42	9.54	-55.87	-42.9
8600.00	H	-	-	-64.39	9.65	-54.73	-41.7
10320.00	H	-	-	-61.66	9.56	-52.10	-39.1

Table 7-121. Radiated Spurious Data (Band 66/4 - Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	347	339	-66.56	6.79	-59.78	-46.8
5235.00	H	369	326	-61.73	9.16	-52.57	-39.6
6980.00	H	-	-	-64.61	9.49	-55.12	-42.1
8725.00	H	-	-	-64.54	9.63	-54.91	-41.9
10470.00	H	-	-	-60.68	9.46	-51.22	-38.2

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 335 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	268	337	-65.97	6.80	-59.17	-46.2
5310.00	H	369	355	-65.92	9.11	-56.80	-43.8
7080.00	H	-	-	-66.26	9.46	-56.81	-43.8
8850.00	H	-	-	-64.64	9.58	-55.06	-42.1
10620.00	H	-	-	-60.64	9.42	-51.23	-38.2

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 336 of 407

Band 25/2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	264	95	-67.01	7.29	-59.72	-46.7
5580.00	H	-	-	-67.37	9.37	-58.00	-45.0
7440.00	H	-	-	-65.60	9.44	-56.16	-43.2
9300.00	H	-	-	-62.82	9.53	-53.29	-40.3

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-68.21	7.30	-60.91	-47.9
5647.50	H	-	-	-68.72	9.37	-59.35	-46.4
7530.00	H	-	-	-66.00	9.44	-56.55	-43.6

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 337 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-68.54	7.37	-61.16	-48.2
5715.00	H	-	-	-68.03	9.38	-58.65	-45.6
7620.00	H	-	-	-65.70	9.38	-56.32	-43.3

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 30

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	H	-	-	-68.55	8.42	-60.12	-20.1
6922.50	H	-	-	-65.22	9.51	-55.71	-15.7
9230.00	H	-	-	-62.59	9.54	-53.06	-13.1

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	H	121	58	-64.82	8.44	-56.39	-16.4
6930.00	H	-	-	-64.93	9.51	-55.43	-15.4
9240.00	H	-	-	-62.57	9.54	-53.04	-13.0

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY: 2312.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: -40 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	H	-	-	-68.58	8.45	-60.13	-20.1
6937.50	H	-	-	-64.81	9.50	-55.30	-15.3
9250.00	H	-	-	-62.83	9.54	-53.29	-13.3

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 340 of 407

Band 7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	-	-	-68.15	8.86	-59.29	-34.3
7530.00	V	-	-	-65.99	9.44	-56.54	-31.5
10040.00	V	-	-	-62.24	9.55	-52.68	-27.7

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	-	-	-67.93	8.94	-58.99	-34.0
7605.00	V	-	-	-65.88	9.37	-56.51	-31.5
10140.00	V	-	-	-61.59	9.59	-52.00	-27.0

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 341 of 407

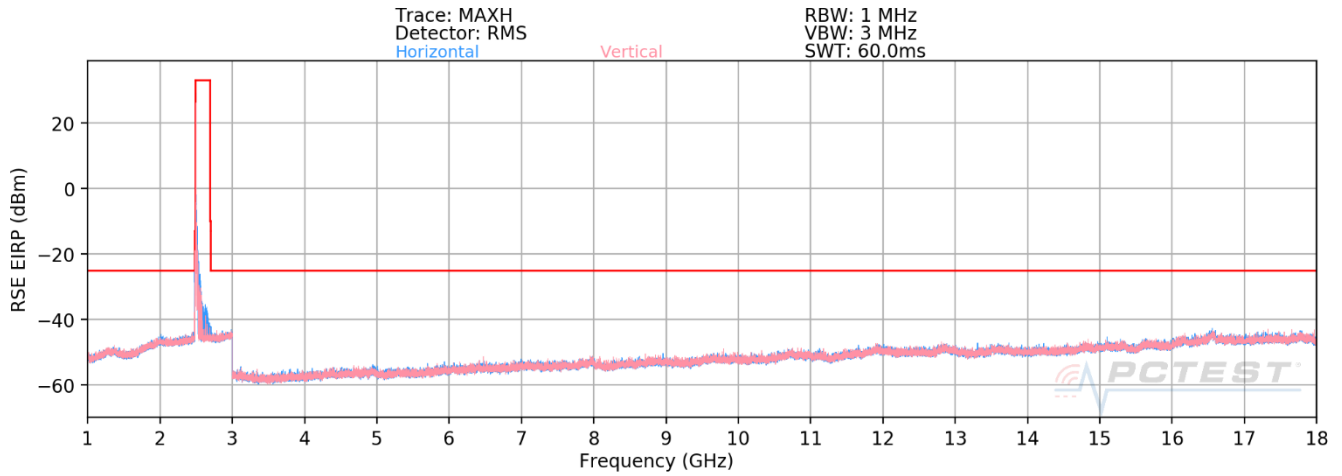
OPERATING FREQUENCY: 2560.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-68.24	9.01	-59.23	-34.2
7680.00	V	-	-	-65.24	9.40	-55.83	-30.8
10240.00	V	-	-	-61.84	9.56	-52.28	-27.3

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

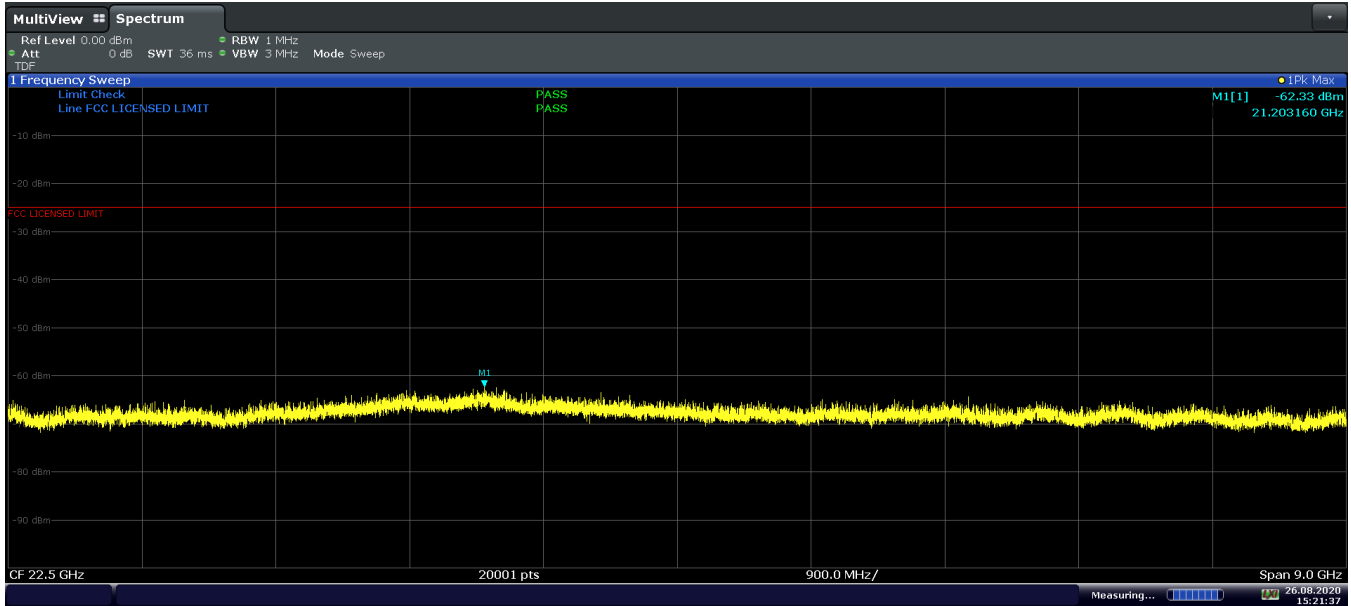
FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 41



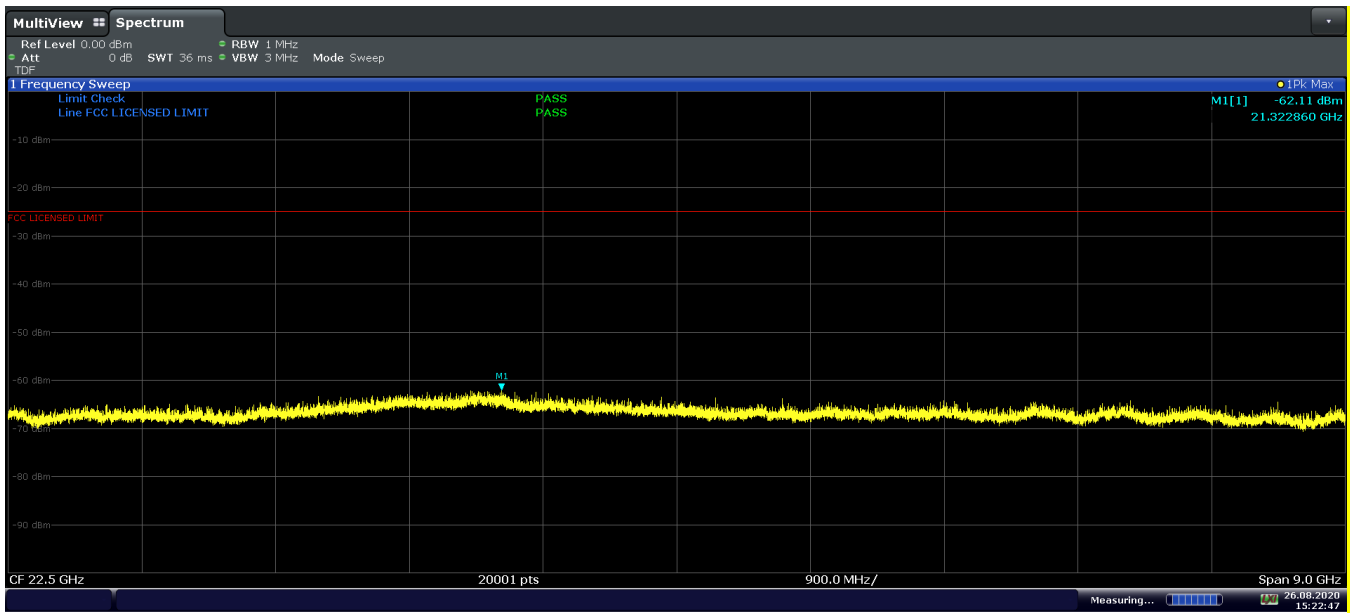
Plot 7-449. Radiated Spurious Emissions 1GHz - 18GHz (Band 41)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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15:21:37 26.08.2020

Plot 7-450. Radiated Spurious Emissions Above 18GHz (Band 41, Pol H)



15:22:48 26.08.2020

Plot 7-451. Radiated Spurious Emissions Above 18GHz (Band 41, Pol. V)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 344 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	-	-	-61.72	8.85	-52.87	-27.9
7518.00	V	-	-	-60.64	9.44	-51.20	-26.2
10024.00	V	-	-	-60.75	9.44	-51.31	-26.3

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	-	-	-61.91	9.13	-52.78	-27.8
7779.00	V	-	-	-60.35	9.38	-50.97	-26.0
10372.00	V	-	-	-61.72	9.38	-52.34	-27.3

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-61.35	9.13	-52.23	-27.2
8040.00	V	-	-	-59.98	9.41	-50.57	-25.6
10720.00	V	-	-	-56.67	9.49	-47.17	-22.2

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

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 345 of 407	

7.9.4 Antenna 1a Radiated Spurious Emissions Measurements Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	166	36	-67.91	6.69	-61.22	-48.2
5160.00	H	363	58	-62.72	9.08	-53.64	-40.6
6880.00	H	-	-	-65.22	9.54	-55.67	-42.7
8600.00	H	-	-	-64.47	9.65	-54.81	-41.8
10320.00	H	-	-	-61.46	9.56	-51.90	-38.9

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	111	55	-67.26	6.79	-60.48	-47.5
5235.00	H	147	74	-62.90	9.16	-53.74	-40.7
6980.00	H	-	-	-64.49	9.49	-55.00	-42.0
8725.00	H	-	-	-64.56	9.63	-54.93	-41.9
10470.00	H	-	-	-60.96	9.46	-51.50	-38.5

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 346 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	356	74	-67.15	6.80	-60.35	-47.3
5310.00	H	325	45	-63.71	9.11	-54.59	-41.6
7080.00	H	-	-	-66.50	9.46	-57.05	-44.0
8850.00	H	-	-	-64.89	9.58	-55.31	-42.3
10620.00	H	-	-	-60.63	9.42	-51.22	-38.2

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 347 of 407

Band 25/2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	-	-	-68.65	7.29	-61.36	-48.4
5580.00	H	135	335	-50.94	9.37	-41.57	-28.6
7440.00	H	-	-	-65.47	9.44	-56.03	-43.0
9300.00	H	-	-	-62.72	9.53	-53.19	-40.2
11160.00	H	-	-	-60.88	9.74	-51.14	-38.1

Table 7-139. Radiated Spurious Data (Band 25/2 - Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-68.36	7.30	-61.06	-48.1
5647.50	H	226	297	-52.07	9.37	-42.70	-29.7
7530.00	H	-	-	-65.85	9.44	-56.40	-43.4
9412.50	H	-	-	-62.54	9.56	-52.99	-40.0
11295.00	H	-	-	-60.17	9.63	-50.54	-37.5

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 348 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-69.56	7.37	-62.18	-49.2
5715.00	H	260	276	-53.93	9.38	-44.55	-31.5
7620.00	H	-	-	-65.51	9.38	-56.13	-43.1
9525.00	H	-	-	-62.79	9.56	-53.23	-40.2

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 349 of 407

Band 30

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	V	-	-	-68.50	8.42	-60.07	-20.1
6922.50	V	-	-	-65.31	9.51	-55.80	-15.8
9230.00	V	-	-	-62.38	9.54	-52.85	-12.8

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	V	-	-	-68.49	8.44	-60.06	-20.1
6930.00	V	-	-	-64.91	9.51	-55.41	-15.4
9240.00	V	-	-	-62.52	9.54	-52.99	-13.0

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 350 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	V	110	351	-67.26	8.45	-58.81	-18.8
6937.50	V	-	-	-64.76	9.50	-55.25	-15.3
9250.00	V	-	-	-62.72	9.54	-53.18	-13.2
11562.50	V	-	-	-60.54	9.55	-50.98	-11.0

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 351 of 407

Band 7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	179	136	-65.28	8.86	-56.42	-31.4
7530.00	V	-	-	-65.60	9.44	-56.15	-31.2
10040.00	V	-	-	-62.52	9.55	-52.96	-28.0
12550.00	V	-	-	-58.63	9.30	-49.32	-24.3

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	181	137	-66.53	8.94	-57.59	-32.6
7605.00	V	-	-	-65.83	9.37	-56.46	-31.5
10140.00	V	-	-	-61.57	9.59	-51.98	-27.0
12675.00	V	-	-	-58.05	9.27	-48.78	-23.8

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 352 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-68.15	9.01	-59.14	-34.1
7680.00	V	-	-	-65.37	9.40	-55.96	-31.0
10240.00	V	-	-	-61.76	9.56	-52.20	-27.2

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 353 of 407

Band 41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	159	350	-57.22	8.85	-48.37	-23.4
7518.00	H	-	-	-60.76	9.44	-51.32	-26.3
10024.00	H	-	-	-59.12	9.54	-49.58	-24.6
12530.00	H	-	-	-55.46	9.29	-46.16	-21.2

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	-	-	-62.08	9.13	-52.95	-28.0
7779.00	H	-	-	-60.67	9.38	-51.29	-26.3
10372.00	H	-	-	-58.48	9.52	-48.95	-24.0
12965.00	H	-	-	-55.99	9.17	-46.83	-21.8
15558.00	H	-	-	-53.84	8.75	-45.09	-20.1

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 354 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	H	-	-	-61.08	9.13	-51.96	-27.0
8040.00	H	-	-	-60.34	9.41	-50.93	-25.9
10720.00	H	-	-	-57.37	9.49	-47.87	-22.9
13400.00	H	-	-	-56.96	9.03	-47.93	-22.9

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

FCC ID: BCGA2324	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 355 of 407

7.9.5 Antenna 3a Radiated Spurious Emissions Measurements Band 66/4

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3440.00	H	-	-	-68.39	6.69	-61.70	-48.7
5160.00	H	-	-	-68.29	9.08	-59.21	-46.2
6880.00	H	-	-	-65.41	9.54	-55.86	-42.9

Table 7-151. Radiated Spurious Data (Band 66/4 - Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3490.00	H	-	-	-68.74	6.79	-61.96	-49.0
5235.00	H	-	-	-68.57	9.16	-59.41	-46.4
6980.00	H	-	-	-64.76	9.49	-55.27	-42.3

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 356 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3540.00	H	-	-	-67.95	6.80	-61.15	-48.1
5310.00	H	-	-	-68.38	9.11	-59.26	-46.3
7080.00	H	-	-	-66.53	9.46	-57.08	-44.1

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 357 of 407

Band 25/2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3720.00	H	-	-	-68.87	7.29	-61.58	-48.6
5580.00	H	-	-	-67.96	9.37	-58.59	-45.6
7440.00	H	-	-	-65.56	9.44	-56.12	-43.1

Table 7-154. Radiated Spurious Data (Band 25/2 - Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3765.00	H	-	-	-68.13	7.30	-60.83	-47.8
5647.50	H	-	-	-68.59	9.37	-59.22	-46.2
7530.00	H	-	-	-65.84	9.44	-56.39	-43.4

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 358 of 407

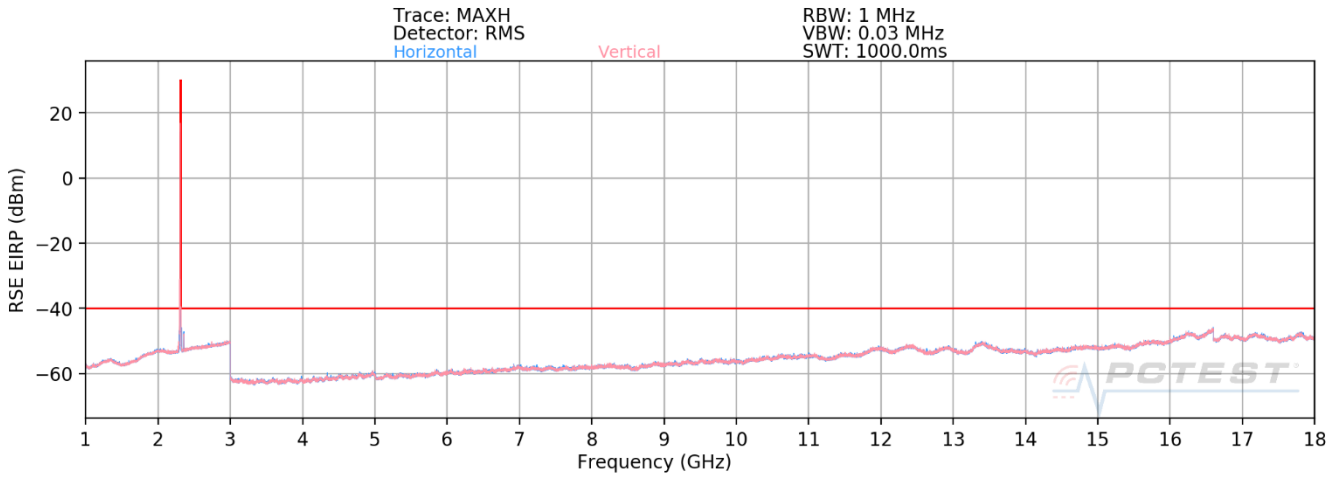
OPERATING FREQUENCY: 1905.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3810.00	H	-	-	-68.53	7.37	-61.15	-48.2
5715.00	H	-	-	-67.94	9.38	-58.56	-45.6
7620.00	H	-	-	-65.69	9.38	-56.31	-43.3

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

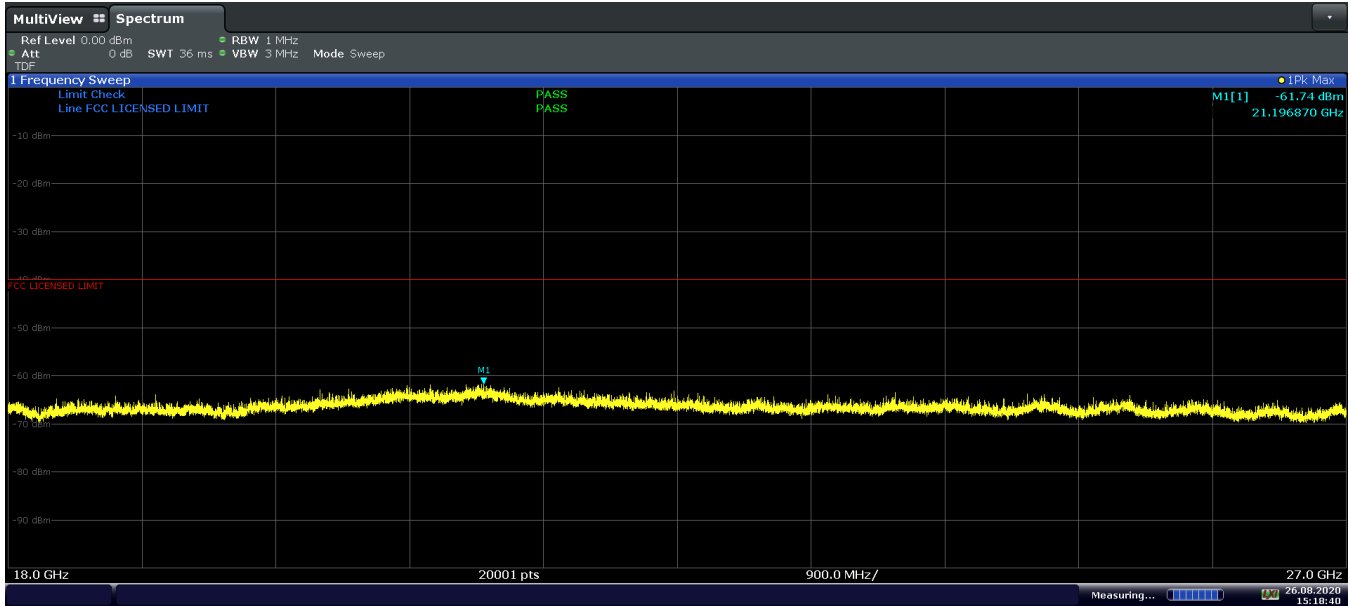
FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 359 of 407

Band 30



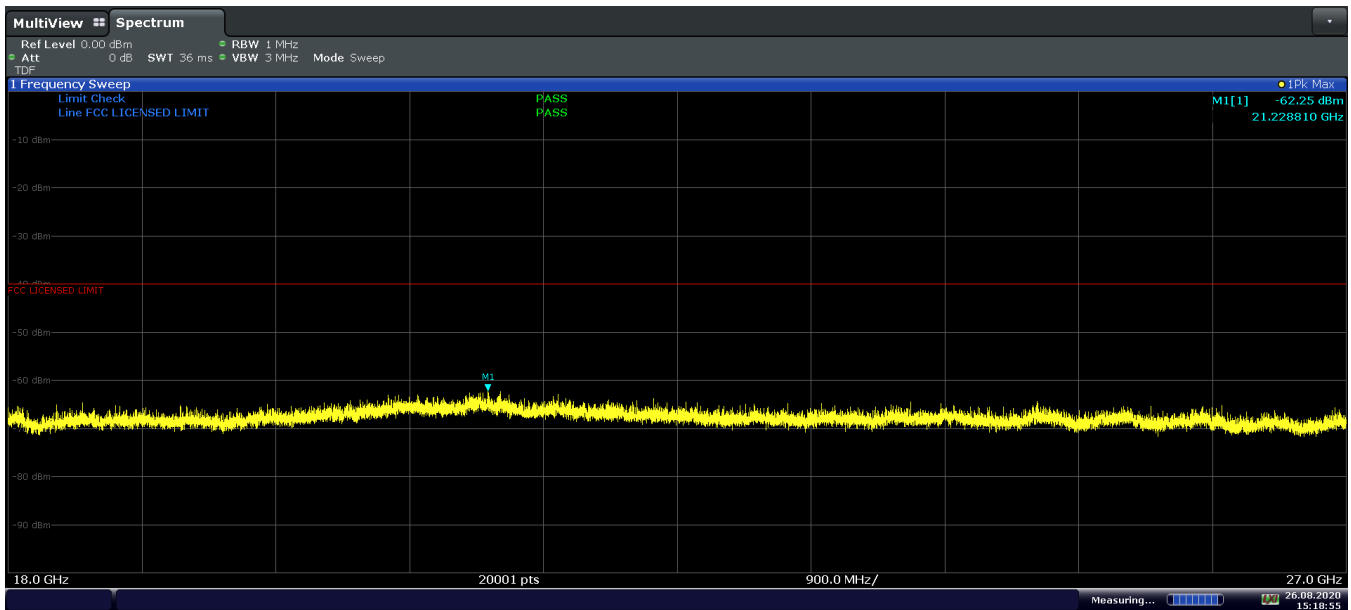
Plot 7-452. Radiated Spurious Emissions 1GHz - 18GHz (Band 30)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 360 of 407



15:18:40 26.08.2020

Plot 7-453. Radiated Spurious Emissions Above 18GHz (Band 30, Pol H)



15:18:55 26.08.2020

Plot 7-454. Radiated Spurious Emissions Above 18GHz (Band 30, Pol V)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 361 of 407

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V 10.2 04/22/2020

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4615.00	V	-	-	-68.63	8.42	-60.20	-20.2
6922.50	V	-	-	-65.18	9.51	-55.67	-15.7
9230.00	V	-	-	-62.43	9.54	-52.90	-12.9

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4620.00	V	-	-	-68.43	8.44	-60.00	-20.0
6930.00	V	-	-	-64.95	9.51	-55.45	-15.4
9240.00	V	-	-	-62.58	9.54	-53.05	-13.0

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
4625.00	V	-	-	-68.27	8.45	-59.82	-19.8
6937.50	V	-	-	-64.97	9.50	-55.46	-15.5
9250.00	V	-	-	-62.87	9.54	-53.33	-13.3

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	308	319	-67.41	8.86	-58.55	-33.5
7530.00	V	-	-	-65.88	9.44	-56.43	-31.4
10040.00	V	-	-	-62.25	9.55	-52.69	-27.7
12550.00	V	-	-	-58.74	9.30	-49.43	-24.4

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	-	-	-67.75	8.94	-58.81	-33.8
7605.00	V	-	-	-65.85	9.37	-56.48	-31.5
10140.00	V	-	-	-61.62	9.59	-52.03	-27.0

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

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 363 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-68.12	9.01	-59.11	-34.1
7680.00	V	-	-	-65.12	9.40	-55.71	-30.7
10240.00	V	-	-	-61.86	9.56	-52.30	-27.3

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 364 of 407

Band 41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	-	-	-61.24	8.85	-52.39	-27.4
7522.00	V	-	-	-59.36	9.44	-49.92	-24.9
10032.00	V	-	-	-58.85	9.55	-49.31	-24.3

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	H	208	168	-59.19	9.13	-50.06	-25.1
7779.00	H	237	168	-58.35	9.38	-48.97	-24.0
10372.00	H	-	-	-58.21	9.52	-48.68	-23.7
12965.00	H	-	-	-55.73	9.17	-46.57	-21.6
15558.00	H	-	-	-54.50	8.75	-45.75	-20.7

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 365 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	H	-	-	-61.30	9.13	-52.18	-27.2
8040.00	H	-	-	-60.20	9.41	-50.79	-25.8
10720.00	H	-	-	-57.18	9.49	-47.68	-22.7

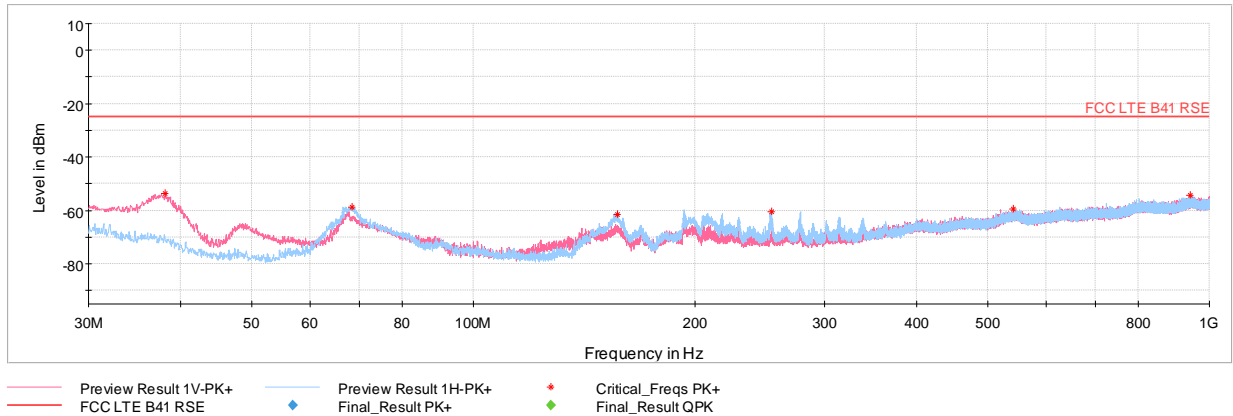
Table 7-165. Radiated Spurious Data (Band 41 - High Channel)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 366 of 407

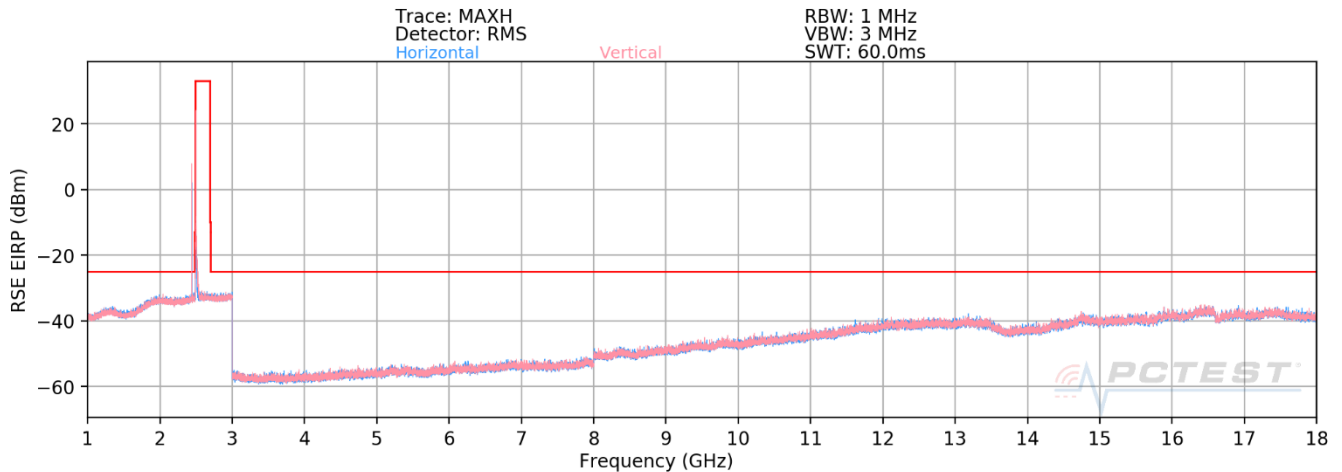
7.9.6 Simultaneous Tx Radiated Spurious Emissions Measurements

Description	LTE (Band 41)	Bluetooth LE
Antenna	Antenna 1a	Antenna 1a
Channel	39750	19
Operating Frequency (MHz)	2506	2440
Mode/Modulation	QPSK/1RB/20MHz	1M/ePA

Table 7-166. Worst Case Simultaneous Transmission Configuration

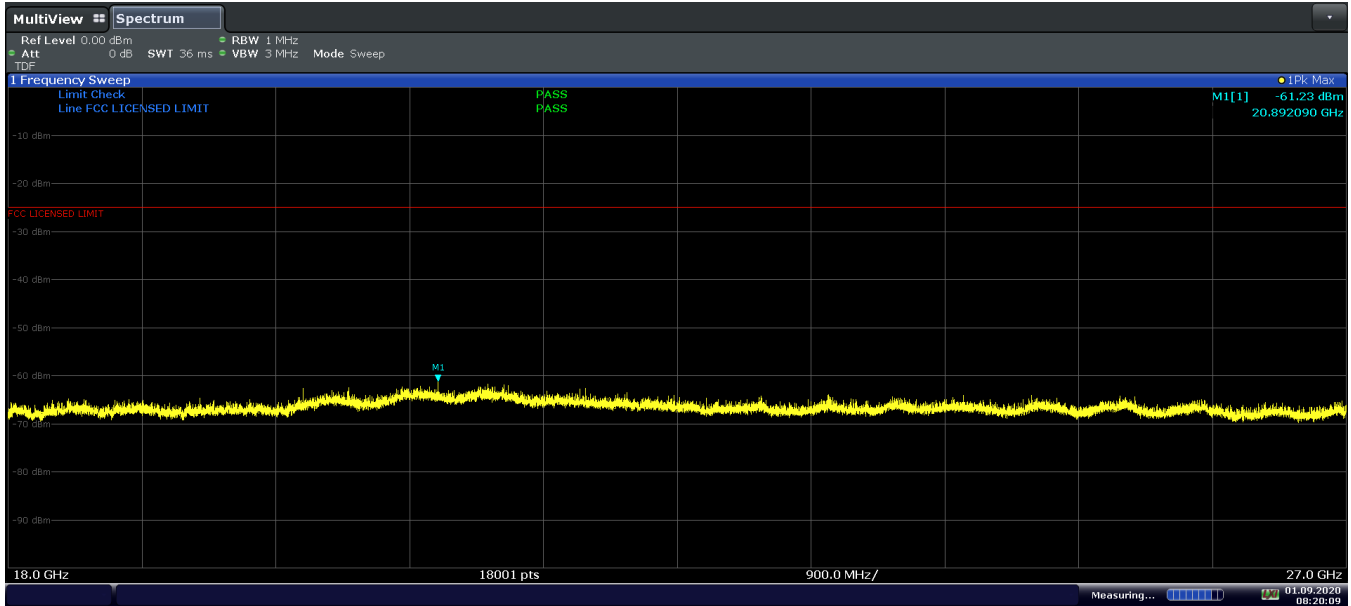


Plot 7-455. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 1GHz



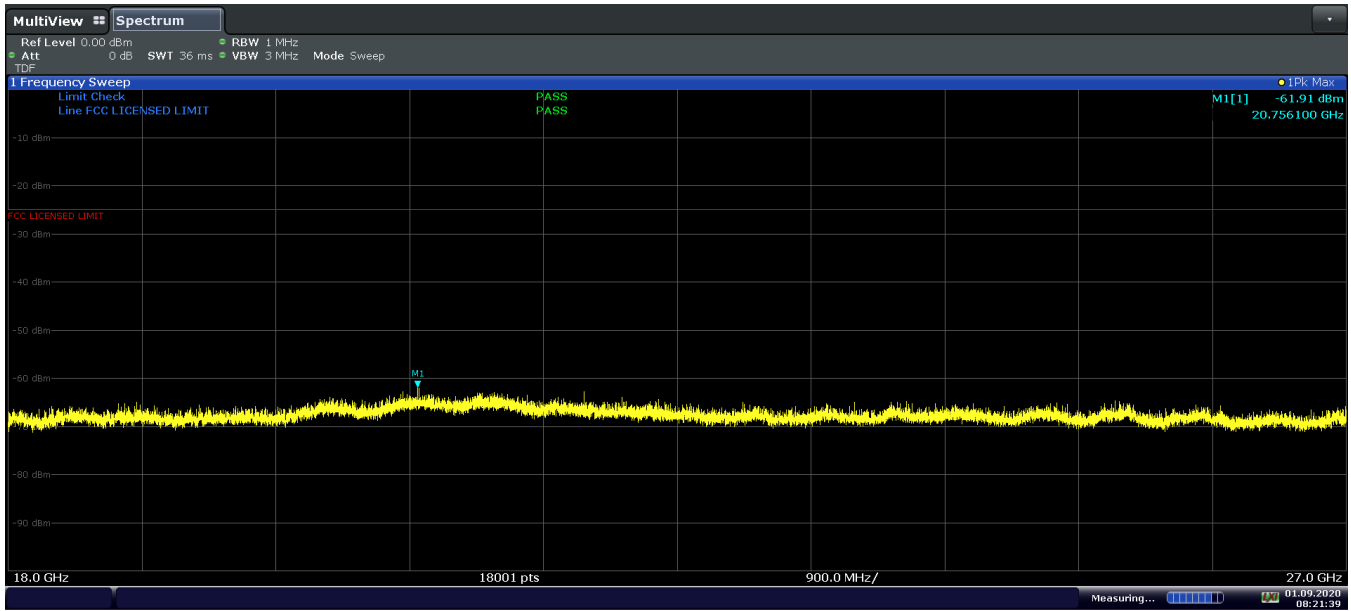
Plot 7-456. Radiated Spurious Emissions - Simultaneous Transmission 1-18GHz

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 367 of 407



08:20:10 01.09.2020

Plot 7-457. Radiated Spurious Emissions - Simultaneous Transmission 18GHz-27GHz Pol. H



08:21:40 01.09.2020

Plot 7-458. Radiated Spurious Emissions - Simultaneous Transmission 18GHz-27GHz Pol. V

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 368 of 407

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4880.00	Avg	H	-	-	-78.17	4.53	33.36	53.98	-20.62
4880.00	Peak	H	-	-	-67.85	4.53	43.68	73.98	-30.30
7320.00	Avg	H	-	-	-79.83	9.02	36.19	53.98	-17.79
7320.00	Peak	H	-	-	-69.25	9.02	46.77	73.98	-27.21
12200.00	Avg	H	-	-	-81.86	17.44	42.58	53.98	-11.40
12200.00	Peak	H	-	-	-70.59	17.44	53.85	73.98	-20.13

Table 7-167. BT Harmonics Emissions Measurements in Simultaneous Transmission Mode

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant. Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	-	-	-62.04	8.85	-53.19	-25.0	-28.2
7518.00	H	-	-	-60.81	9.44	-51.37	-25.0	-26.4
10024.00	H	-	-	-58.02	9.54	-48.48	-25.0	-23.5
12530.00	H	-	-	-53.61	9.29	-44.31	-25.0	-19.3
2382.00	H	283	146	-41.15	4.05	-37.09	-25.0	-12.1

Table 7-168. LTE Harmonics and Intermodulations Emissions Measurements in Simultaneous Transmission Mode

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.10 Uplink Carrier Aggregation Radiated Measurements

§2.1053, §27.53(m)

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI C63.26-2015 and 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 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 C63.26-2015

TIA-603-E-2016 – Section 2.2.12

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW \geq 3 x RBW
3. No. of sweep points \geq 2 x 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: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 370 of 407

Test Setup

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

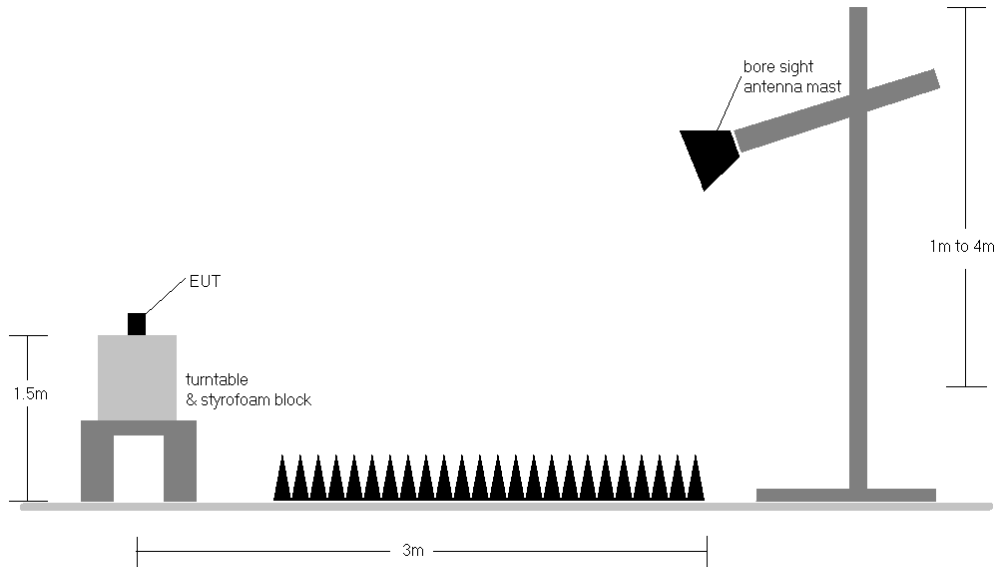


Figure 7-10. Test Instrument & Measurement Setup

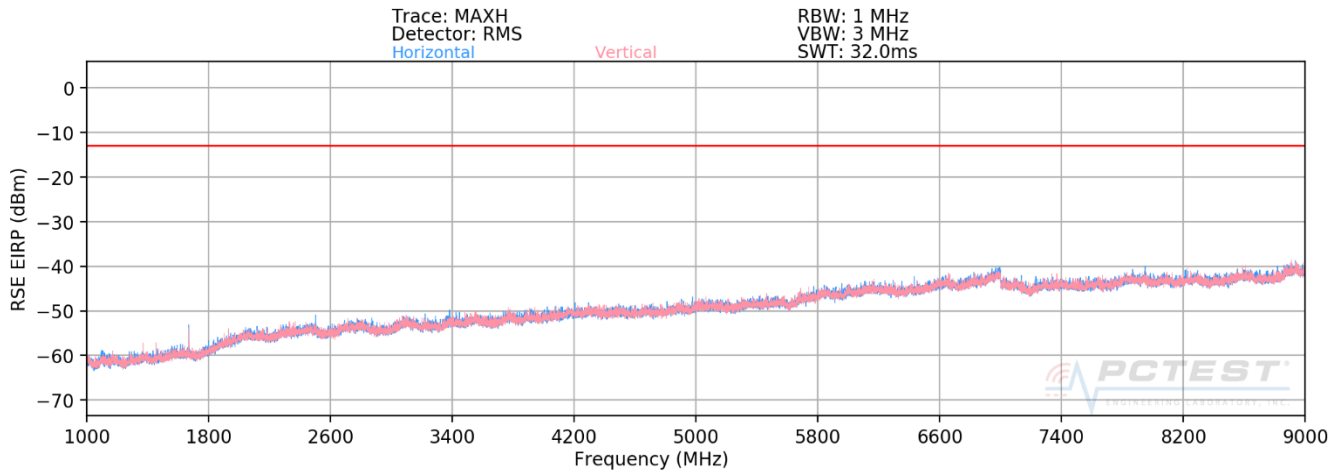
Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with modulations, offsets and channel bandwidth configurations in this section. 1RB config was found and reported as a worst case RB size..
- 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) No significant emissions were found for below 1GHz and Above 18GHz measurement.
- 6) 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.
- 7) No significant emissions were found as a result of two uplink carriers operating contiguously.
- 8) Uplink carrier aggregation inter-band emission was investigated and found to not be the worst case

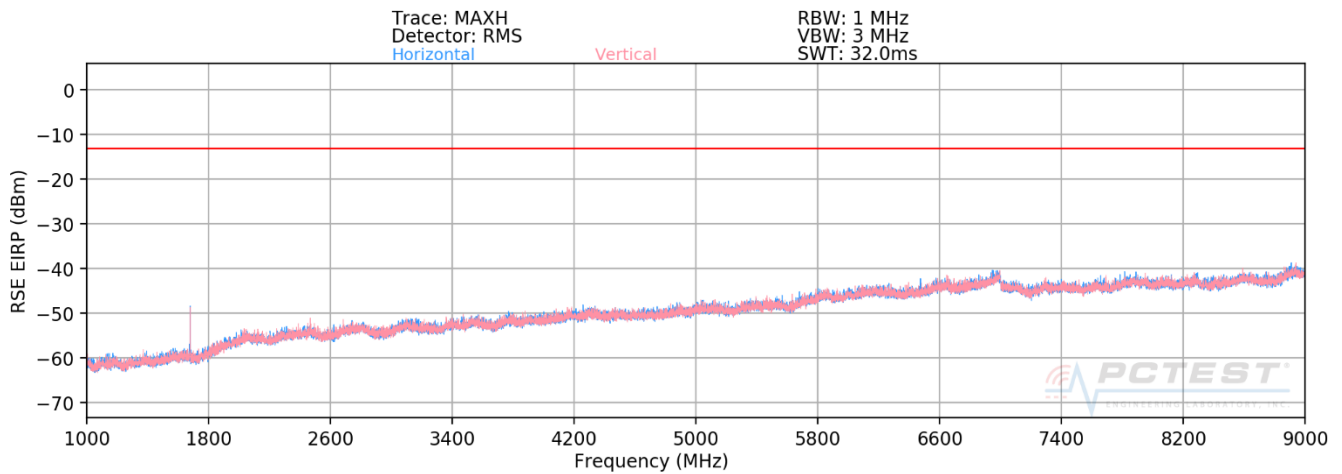
FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 371 of 407

7.10.1 Antenna 4 Radiated Spurious Emissions Measurements

Band 5



Plot 7-459. Radiated Spurious Emissions (ULCA B5 PCC: RB 1 Offset 49, SCC: RB 1 Offset 0 – Low Channel)



Plot 7-460. Radiated Spurious Emissions (ULCA B5 PCC: RB 1 Offset 0, SCC: RB 1 Offset 49 – High Channel)

FCC ID: BCGA2324	 Proud to be part of element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 372 of 407	

OPERATING FREQUENCY (PCC): 829.00 MHz
 OPERATING FREQUENCY (SCC): 838.90 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	H	-	-	-72.69	3.80	-68.88	-55.9
2487.00	H	-	-	-67.66	4.34	-63.32	-50.3
3316.00	H	-	-	-69.75	6.51	-63.24	-50.2
4145.00	H	-	-	-69.71	7.88	-61.83	-48.8

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

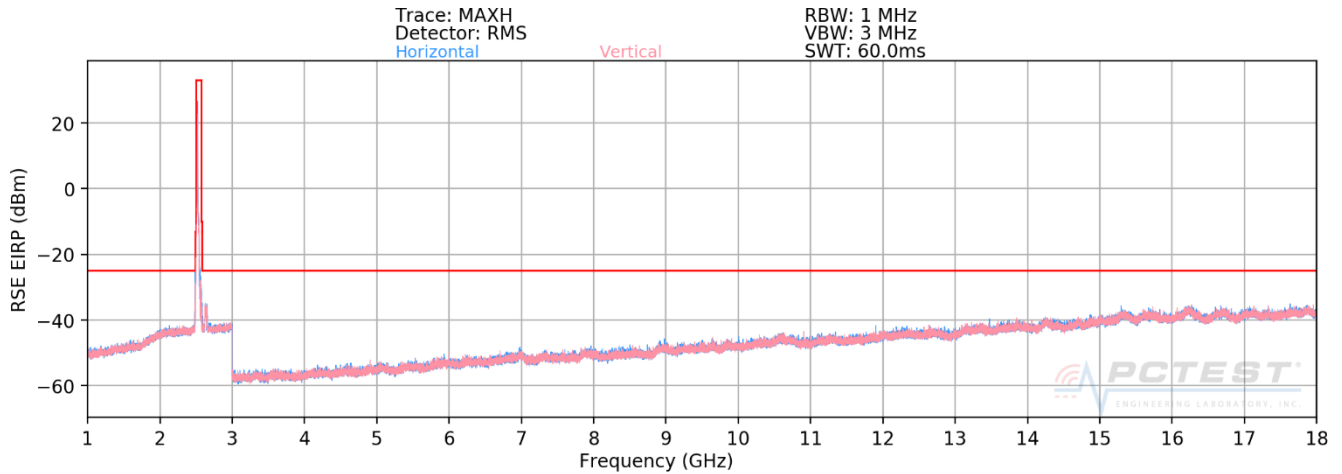
OPERATING FREQUENCY (PCC): 844.00 MHz
 OPERATING FREQUENCY (SCC): 834.10 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	H	7	19	-56.24	3.70	-52.54	-39.5
2532.00	H	358	15	-60.40	4.36	-56.04	-43.0
3376.00	H	-	-	-61.62	6.60	-55.03	-42.0
4220.00	H	-	-	-63.38	8.03	-55.35	-42.4

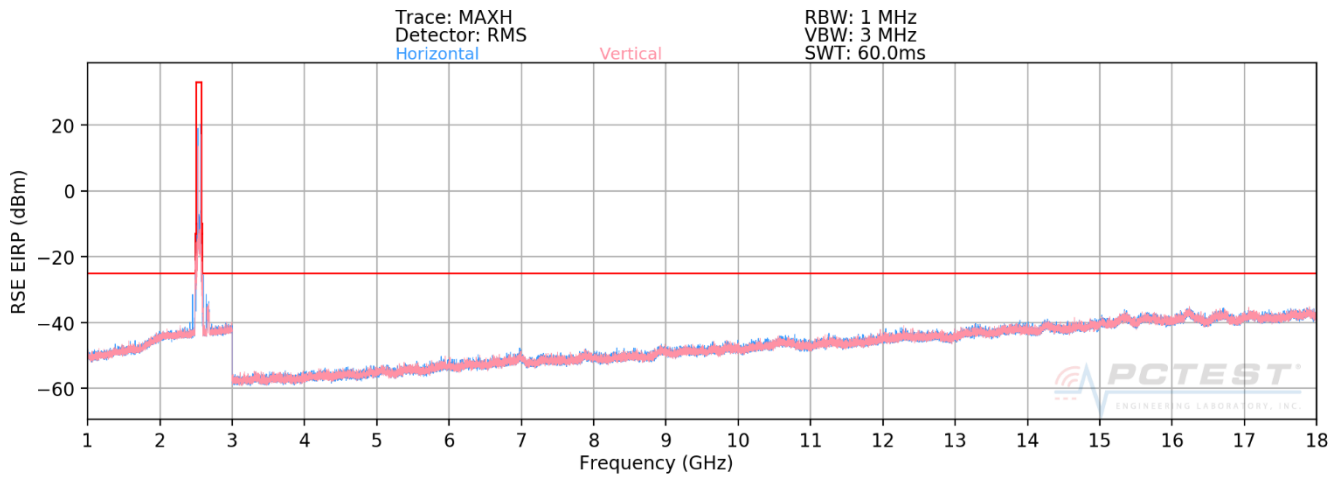
Table 7-170. Radiated Spurious Data (ULCA B5 PCC: RB 1 Offset 0, SCC: RB 1 Offset 49 – High Channel)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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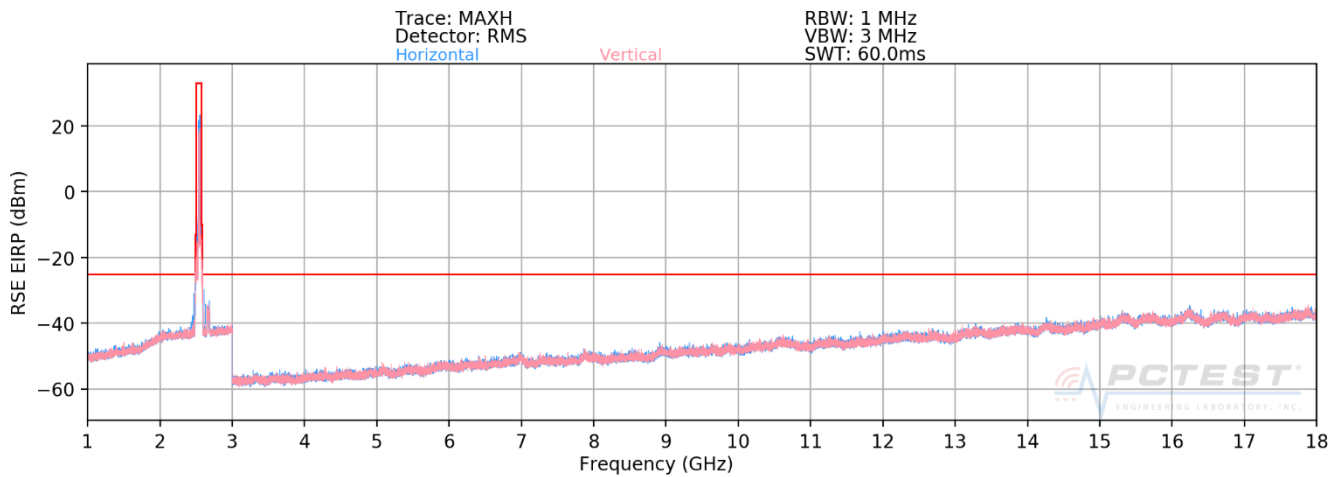
Band 7



Plot 7-461. Radiated Spurious Emissions (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)



Plot 7-462. Radiated Spurious Emissions (ULCA B7 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)



Plot 7-463. Radiated Spurious Emissions (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 374 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	-	-	-68.28	8.86	-59.42	-34.4
7530.00	V	-	-	-65.89	9.44	-56.44	-31.4
10040.00	V	-	-	-62.52	9.55	-52.96	-28.0

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-61.80	8.94	-52.86	-27.9
7605.00	H	-	-	-60.51	9.37	-51.14	-26.1
10140.00	H	-	-	-57.44	9.59	-47.85	-22.8

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

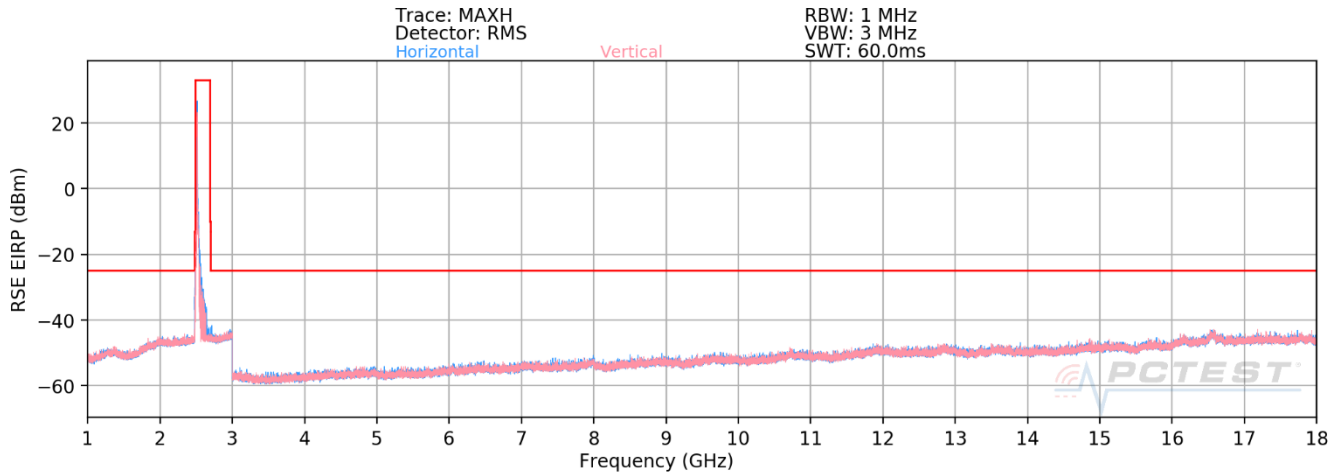
OPERATING FREQUENCY (PCC): 2560.00 MHz
 OPERATING FREQUENCY (SCC): 2540.20 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-62.55	9.01	-53.54	-28.5
7680.00	H	-	-	-61.12	9.40	-51.71	-26.7
10240.00	H	-	-	-57.70	9.56	-48.14	-23.1

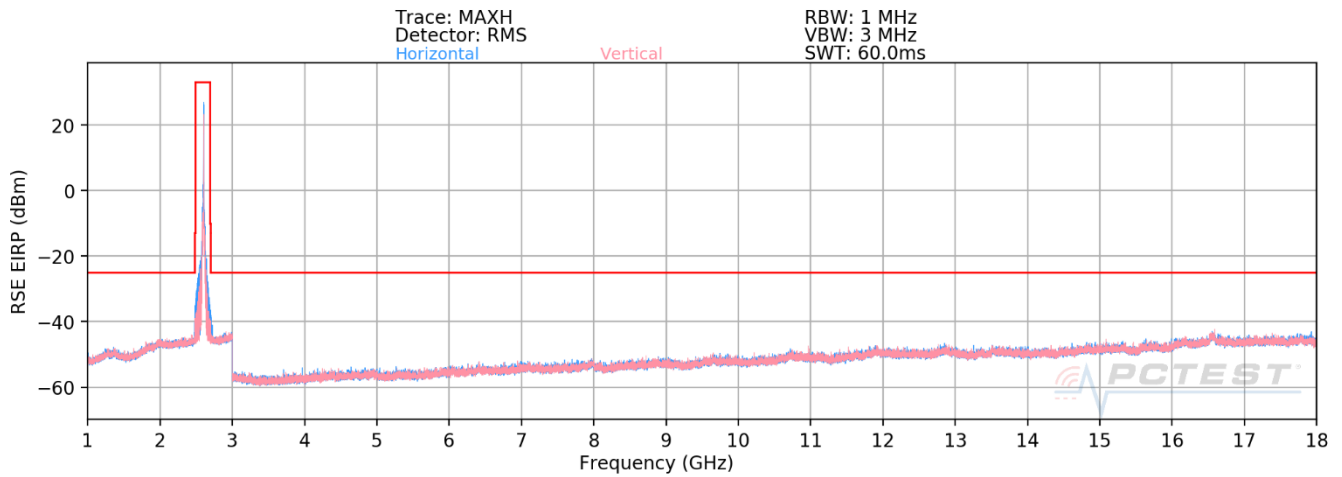
Table 7-173. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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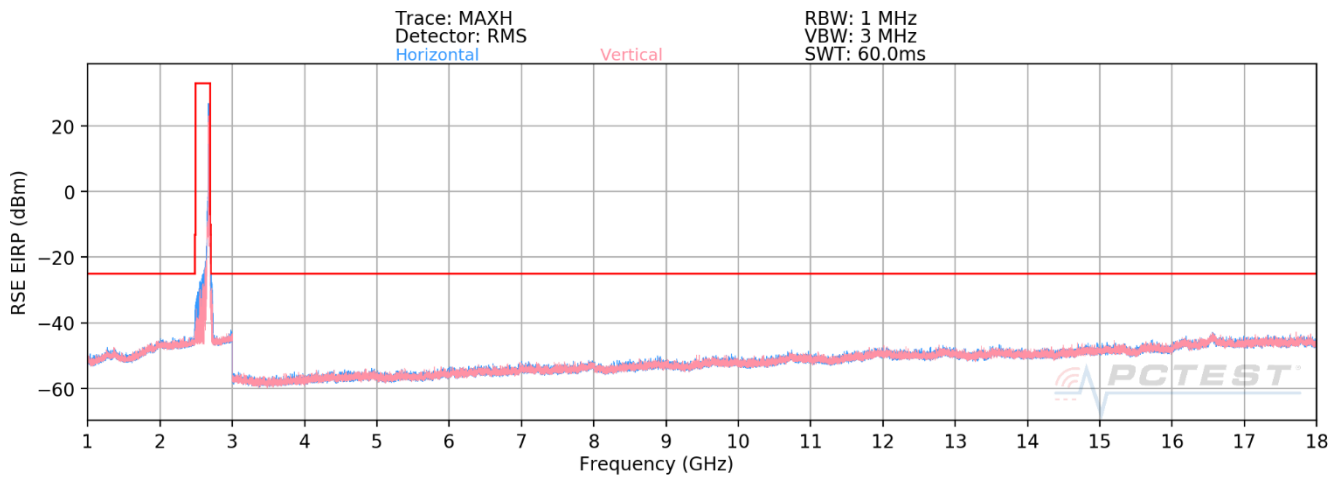
Band 41



Plot 7-464. Radiated Spurious Emissions (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)



Plot 7-465. Radiated Spurious Emissions (ULCA B41 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)



Plot 7-466. Radiated Spurious Emissions (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 376 of 407

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	-	-	-60.49	8.85	-51.64	-26.6
7518.00	V	-	-	-59.75	9.44	-50.31	-25.3
10024.00	V	-	-	-57.99	9.54	-48.45	-23.4

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	163	257	-60.62	9.13	-51.49	-26.5
7779.00	V	-	-	-60.43	9.38	-51.05	-26.1
10372.00	V	-	-	-57.99	9.52	-48.46	-23.5
12965.00	V	-	-	-55.30	9.17	-46.14	-21.1

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-61.25	9.13	-52.13	-27.1
8040.00	V	-	-	-60.42	9.41	-51.01	-26.0
10720.00	V	-	-	-56.56	9.49	-47.06	-22.1

Table 7-176. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.10.2 Antenna 3b Radiated Spurious Emissions Measurements

Band 5

OPERATING FREQUENCY (PCC):	829.00	MHz
OPERATING FREQUENCY (SCC):	838.90	MHz
MODULATION SIGNAL:	QPSK	
BANDWIDTH:	10.0	MHz
DISTANCE:	3	meters
LIMIT:	-13	dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1658.00	H	315	266	-63.84	3.80	-60.03	-47.0
2487.00	H	301	227	-60.90	4.34	-56.56	-43.6
3316.00	H	-	-	-68.99	6.51	-62.48	-49.5
4145.00	H	-	-	-69.05	7.88	-61.17	-48.2
4974.00	H	-	-	-68.50	8.83	-59.66	-46.7

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

OPERATING FREQUENCY (PCC):	844.00	MHz
OPERATING FREQUENCY (SCC):	834.10	MHz
MODULATION SIGNAL:	QPSK	
BANDWIDTH:	10.0	MHz
DISTANCE:	3	meters
LIMIT:	-13	dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1688.00	H	150	266	-59.82	3.70	-56.12	-43.1
2532.00	H	352	199	-63.93	4.36	-59.57	-46.6
3376.00	H	-	-	-68.21	6.60	-61.62	-48.6
4220.00	H	-	-	-68.73	8.03	-60.70	-47.7
5064.00	H	-	-	-68.62	8.93	-59.69	-46.7

Table 7-178. Radiated Spurious Data (ULCA B5 PCC: RB 1 Offset 0, SCC: RB 1 Offset 49 – High Channel)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	-	-	-68.37	8.86	-59.51	-34.5
7530.00	V	-	-	-65.91	9.44	-56.46	-31.5
10040.00	V	-	-	-62.48	9.55	-52.92	-27.9

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	-	-	-67.86	8.94	-58.92	-33.9
7605.00	V	-	-	-66.01	9.37	-56.64	-31.6
10140.00	V	-	-	-61.81	9.59	-52.22	-27.2

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-68.31	9.01	-59.30	-34.3
7680.00	V	-	-	-65.47	9.40	-56.06	-31.1
10240.00	V	-	-	-62.00	9.56	-52.44	-27.4

Table 7-181. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 379 of 407	

Band 41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	V	-	-	-61.19	8.85	-52.34	-27.3
7518.00	V	298	256	-52.41	9.44	-42.97	-18.0
10024.00	V	-	-	-59.20	9.54	-49.66	-24.7
12530.00	V	-	-	-56.36	9.29	-47.06	-22.1

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	-	-	-61.98	9.13	-52.85	-27.9
7779.00	V	101	266	-49.12	9.38	-39.74	-14.7
10372.00	V	-	-	-58.77	9.52	-49.24	-24.2
12965.00	V	-	-	-55.54	9.17	-46.38	-21.4

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

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2680.00 MHz
 OPERATING FREQUENCY (SCC): 2660.20 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-60.51	9.13	-51.39	-26.4
8040.00	V	113	267	-49.57	9.41	-40.16	-15.2
10720.00	V	-	-	-57.03	9.49	-47.53	-22.5
13400.00	V	-	-	-57.21	9.03	-48.18	-23.2

Table 7-184. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.10.3 Antenna 1a Radiated Spurious Emissions Measurements

Band 7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	-	-	-68.57	8.86	-59.71	-34.7
7530.00	V	-	-	-65.89	9.44	-56.44	-31.4
10040.00	V	-	-	-61.93	9.55	-52.37	-27.4

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	H	-	-	-69.05	8.94	-60.11	-35.1
7605.00	H	-	-	-65.44	9.37	-56.07	-31.1
10140.00	H	-	-	-61.88	9.59	-52.29	-27.3

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2560.00 MHz
 OPERATING FREQUENCY (SCC): 2540.20 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	H	-	-	-68.91	9.01	-59.90	-34.9
7680.00	H	-	-	-65.34	9.40	-55.93	-30.9
10240.00	H	-	-	-61.83	9.56	-52.27	-27.3

Table 7-187. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-61.18	8.85	-52.33	-27.3
7518.00	H	-	-	-60.56	9.44	-51.12	-26.1
10024.00	H	-	-	-58.82	9.54	-49.28	-24.3

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	-	-	-61.52	9.13	-52.39	-27.4
7779.00	V	-	-	-59.57	9.38	-50.19	-25.2
10372.00	V	-	-	-58.41	9.52	-48.88	-23.9

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-60.60	9.13	-51.48	-26.5
8040.00	V	-	-	-59.82	9.41	-50.41	-25.4
10720.00	V	-	-	-56.61	9.49	-47.11	-22.1

Table 7-190. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.10.4 Antenna 3a Radiated Spurious Emissions Measurements

Band 7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5020.00	V	-	-	-68.05	8.86	-59.19	-34.2
7530.00	V	-	-	-66.04	9.44	-56.59	-31.6
10040.00	V	-	-	-62.55	9.55	-52.99	-28.0

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5070.00	V	-	-	-68.93	8.94	-59.99	-35.0
7605.00	V	-	-	-65.69	9.37	-56.32	-31.3
10140.00	V	-	-	-62.49	9.59	-52.90	-27.9

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

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY (PCC): 2560.00 MHz
 OPERATING FREQUENCY (SCC): 2540.20 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 20.0 MHz
 DISTANCE: 3 meters
 LIMIT: -25 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5120.00	V	-	-	-68.99	9.01	-59.98	-35.0
7680.00	V	-	-	-65.60	9.40	-56.19	-31.2
10240.00	V	-	-	-61.81	9.56	-52.25	-27.2

Table 7-193. Radiated Spurious Data (ULCA B7 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5012.00	H	-	-	-61.27	8.85	-52.42	-27.4
7518.00	H	-	-	-60.58	9.44	-51.14	-26.1
10024.00	H	-	-	-59.33	9.54	-49.79	-24.8

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5186.00	V	-	-	-61.57	9.13	-52.44	-27.4
7779.00	V	-	-	-60.25	9.38	-50.87	-25.9
10372.00	V	-	-	-58.00	9.52	-48.47	-23.5

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	EIRP Level at Sub Ant Port [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
5360.00	V	-	-	-60.75	9.13	-51.63	-26.6
8040.00	V	-	-	-60.06	9.41	-50.65	-25.7
10720.00	V	-	-	-57.43	9.49	-47.93	-22.9

Table 7-196. Radiated Spurious Data (ULCA B41 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: BCGA2324			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.11 Frequency Stability / Temperature Variation

Test Overview and Limit

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

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

For Part 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 C63.26 2015

TIA-603-E-2016

Test Settings

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

Test Setup

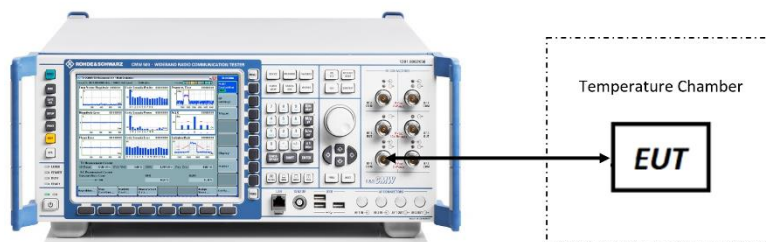


Figure 7-11. Test Instrument & Measurement Setup

Test Notes

All port were tested and only the worst case data were reported

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Band 71 Frequency Stability Measurements

OPERATING FREQUENCY: 680,500,000 Hz
 CHANNEL: 133,297
 REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	680,500,001	1	0.0000001
100 %		- 20	680,500,002	2	0.0000003
100 %		- 10	680,500,001	1	0.0000002
100 %		0	680,500,001	1	0.0000002
100 %		+ 10	680,500,001	1	0.0000002
100 %		+ 20	680,500,001	1	0.0000002
100 %		+ 30	680,500,002	2	0.0000002
100 %		+ 40	680,500,002	2	0.0000003
100 %		+ 50	680,500,002	2	0.0000002
BATT. ENDPOINT	3.40	+ 20	680,500,011	11	0.0000015

Table 7-197. Frequency Stability Data (Band 71 - 20MHz QPSK - Full RB Configuration)

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: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 389 of 407

Band 71 Frequency Stability Measurements

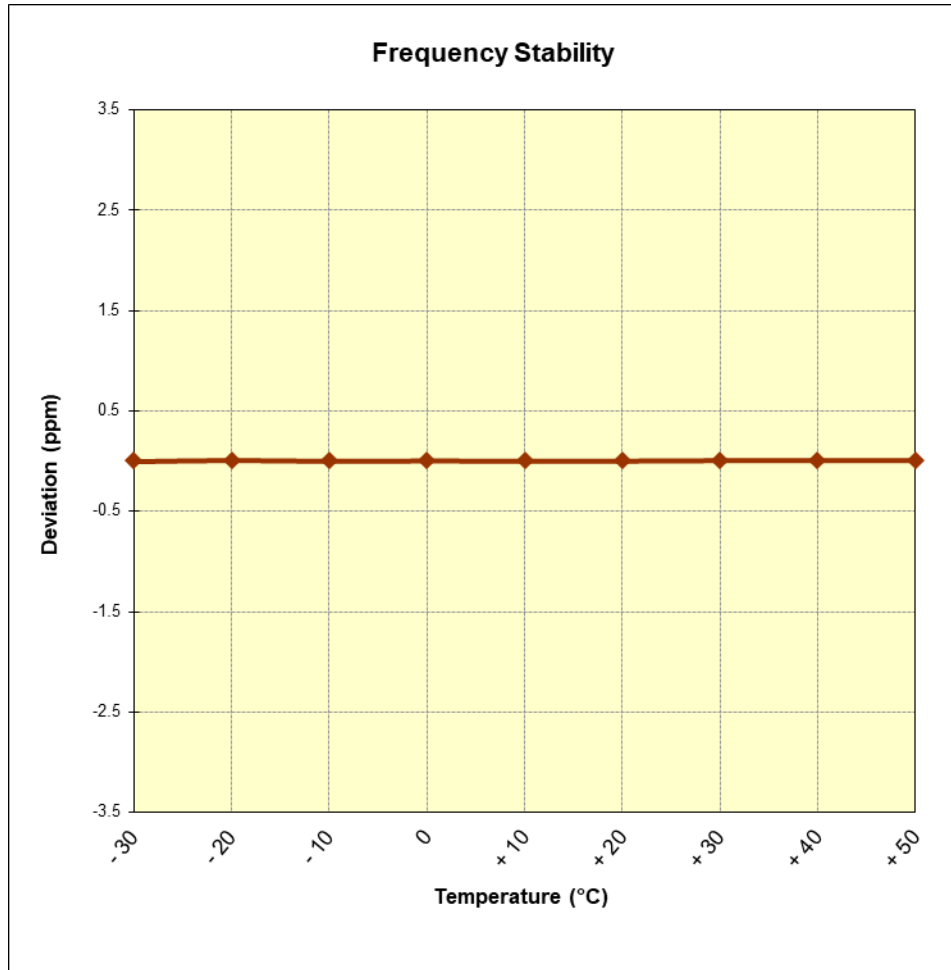


Figure 7-12. Frequency Stability Graph (Band 71 - 20MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020		EUT Type: Tablet Device

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	707,499,996	-4	-0.0000005
100 %		- 20	707,500,009	9	0.0000012
100 %		- 10	707,500,012	12	0.0000016
100 %		0	707,500,008	8	0.0000012
100 %		+ 10	707,500,008	8	0.0000012
100 %		+ 20	707,500,011	11	0.0000015
100 %		+ 30	707,500,006	6	0.0000008
100 %		+ 40	707,500,007	7	0.0000010
100 %		+ 50	707,500,004	4	0.0000006
BATT. ENDPOINT	3.40	+ 20	707,500,008	8	0.0000012

Table 7-198. Frequency Stability Data (Band 12/17 - 10MHz QPSK - Full RB Configuration)

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: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device		Page 391 of 407

Band 12/17 Frequency Stability Measurements

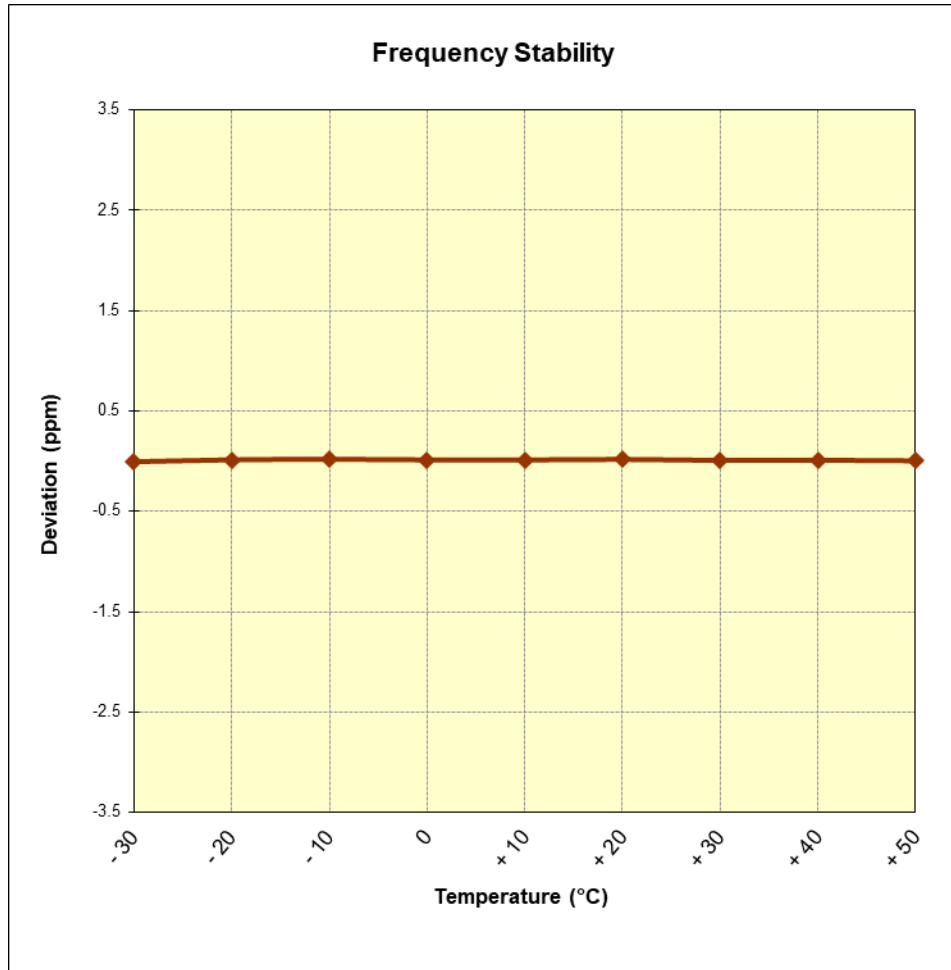


Figure 7-13. Frequency Stability Graph (Band 12/17 - 10MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 392 of 407

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	782,000,008	8	0.0000010
100 %		- 20	782,000,012	12	0.0000015
100 %		- 10	782,000,001	1	0.0000001
100 %		0	782,000,001	1	0.0000001
100 %		+ 10	782,000,001	1	0.0000002
100 %		+ 20	782,000,008	8	0.0000010
100 %		+ 30	782,000,004	4	0.0000005
100 %		+ 40	782,000,002	2	0.0000003
100 %		+ 50	782,000,001	1	0.0000002
BATT. ENDPOINT		3.40	+ 20	781,999,990	-10

Table 7-199. Frequency Stability Data (Band 13 - 10MHz QPSK - Full RB Configuration)

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: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 13 Frequency Stability Measurements

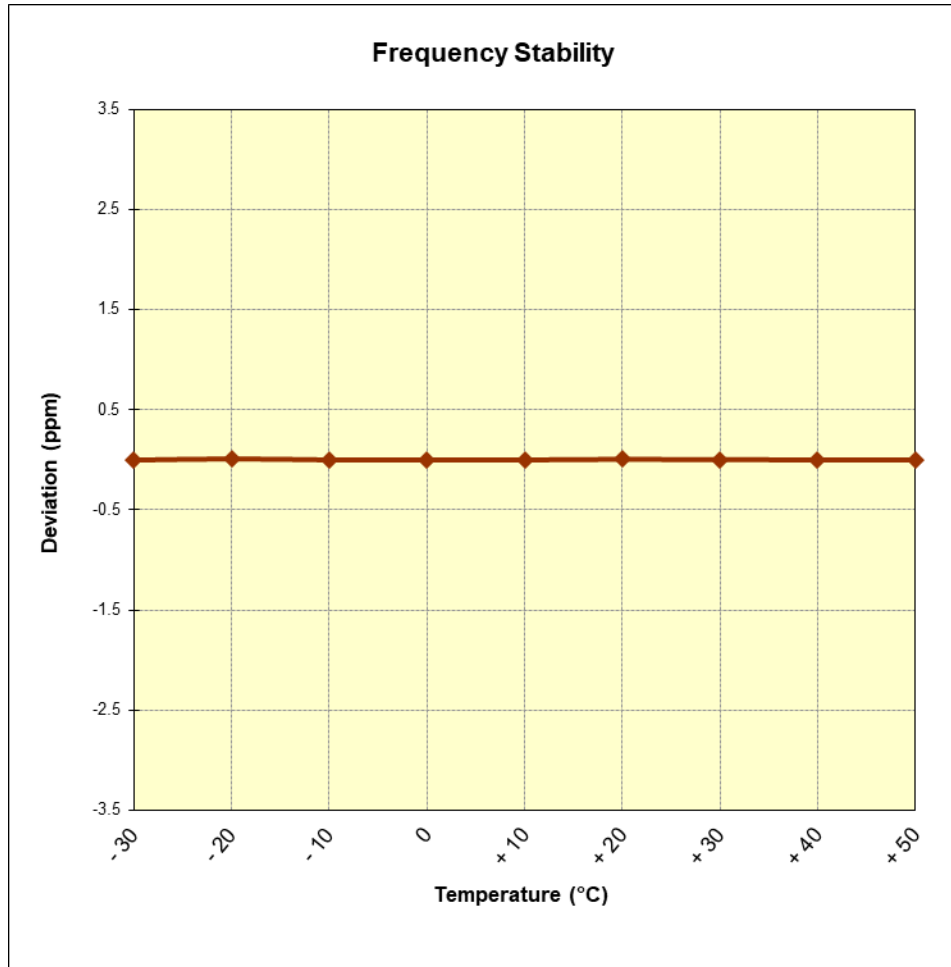


Figure 7-14. Frequency Stability Graph (Band 13 - 10MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 394 of 407

Band 26/5 Frequency Stability Measurements

OPERATING FREQUENCY: 836,500,000 Hz
 CHANNEL: 26915
 REFERENCE VOLTAGE: 3.80 VDC
 DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	836,500,005	5	0.0000006
100 %		- 20	836,500,004	4	0.0000005
100 %		- 10	836,500,004	4	0.0000005
100 %		0	836,500,005	5	0.0000006
100 %		+ 10	836,500,004	4	0.0000005
100 %		+ 20	836,500,002	2	0.0000002
100 %		+ 30	836,500,001	1	0.0000002
100 %		+ 40	836,500,002	2	0.0000002
100 %		+ 50	836,500,001	1	0.0000001
BATT. ENDPOINT	3.40	+ 20	836,500,001	1	0.0000002

Table 7-200. Frequency Stability Data (Band 26/5 - 10MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 395 of 407

Band 26/5 Frequency Stability Measurements

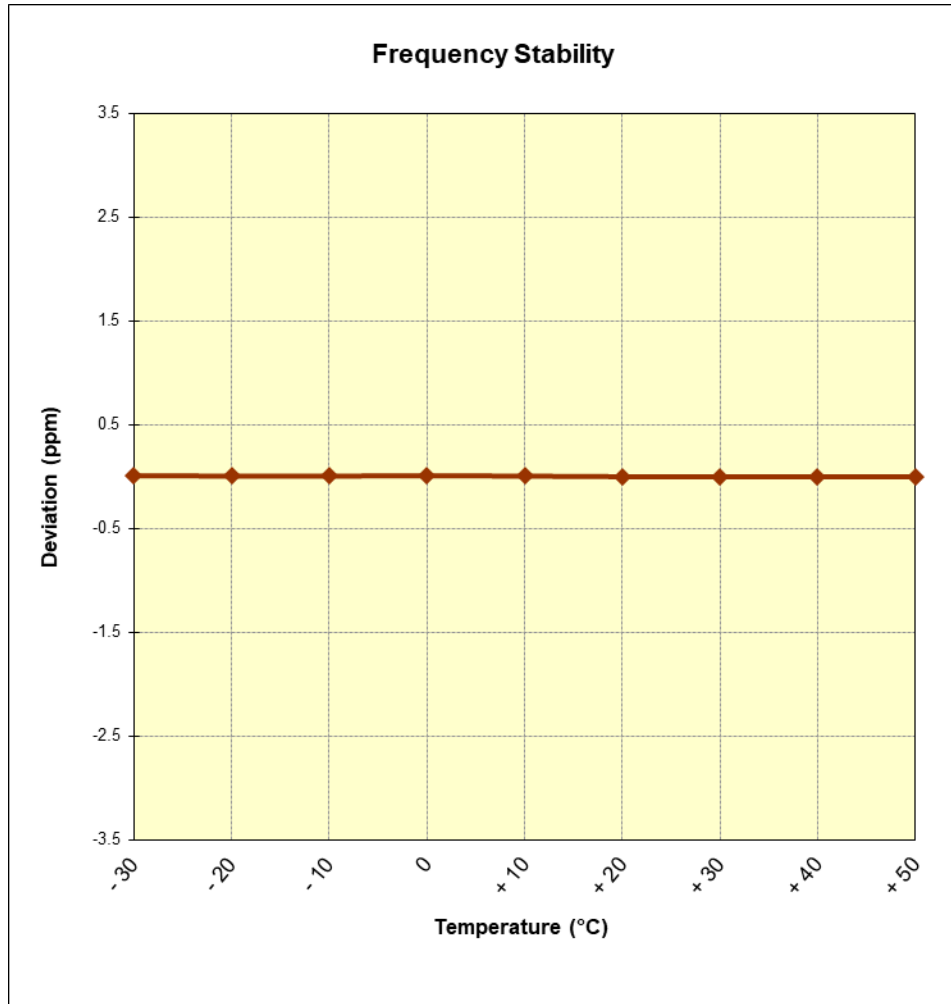


Figure 7-15. Frequency Stability Graph (Band 26/5 - 10MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 396 of 407

Band 66/4 Frequency Stability Measurements

OPERATING FREQUENCY: 1,745,000,000 Hz
 CHANNEL: 132322
 REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,745,000,008	8	0.0000005
100 %		- 20	1,745,000,006	6	0.0000003
100 %		- 10	1,745,000,006	6	0.0000003
100 %		0	1,745,000,004	4	0.0000002
100 %		+ 10	1,745,000,009	9	0.0000005
100 %		+ 20	1,744,999,999	-1	-0.0000001
100 %		+ 30	1,745,000,004	4	0.0000003
100 %		+ 40	1,745,000,007	7	0.0000004
100 %		+ 50	1,745,000,008	8	0.0000005
BATT. ENDPOINT	3.40	+ 20	1,745,000,003	3	0.0000002

Table 7-201. Frequency Stability Data (Band 66/4 - 20MHz QPSK - Full RB Configuration)

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: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 397 of 407

Band 66/4 Frequency Stability Measurements

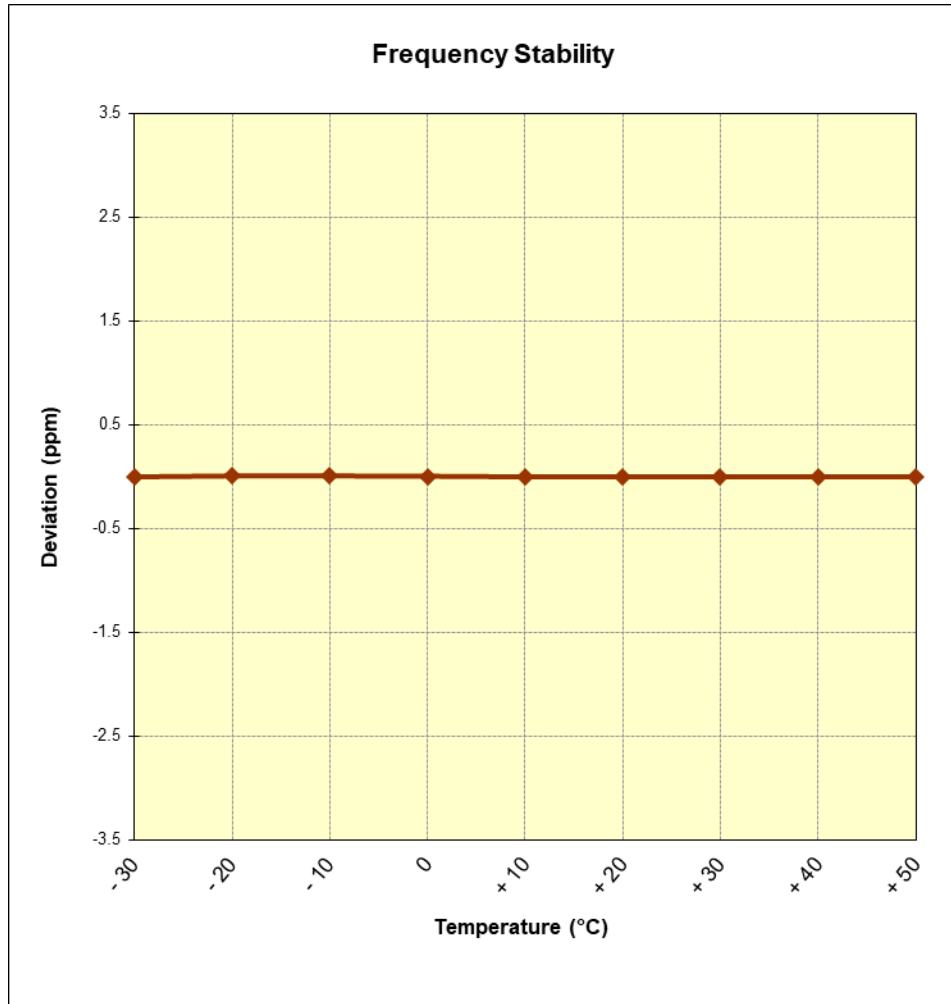


Figure 7-16. Frequency Stability Graph (Band 66/4 - 20MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020		EUT Type: Tablet Device

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	1,882,500,002	2	0.0000001
100 %		- 20	1,882,500,001	1	0.0000001
100 %		- 10	1,882,500,001	1	0.0000001
100 %		0	1,882,500,004	4	0.0000002
100 %		+ 10	1,882,499,998	-2	-0.0000001
100 %		+ 20	1,882,500,002	2	0.0000001
100 %		+ 30	1,882,500,010	10	0.0000005
100 %		+ 40	1,882,500,010	10	0.0000005
100 %		+ 50	1,882,500,010	10	0.0000005
BATT. ENDPOINT	3.40	+ 20	1,882,500,008	8	0.0000004

Table 7-202. Frequency Stability Data (Band 25/2 - 20MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 399 of 407

Band 25/2 Frequency Stability Measurements

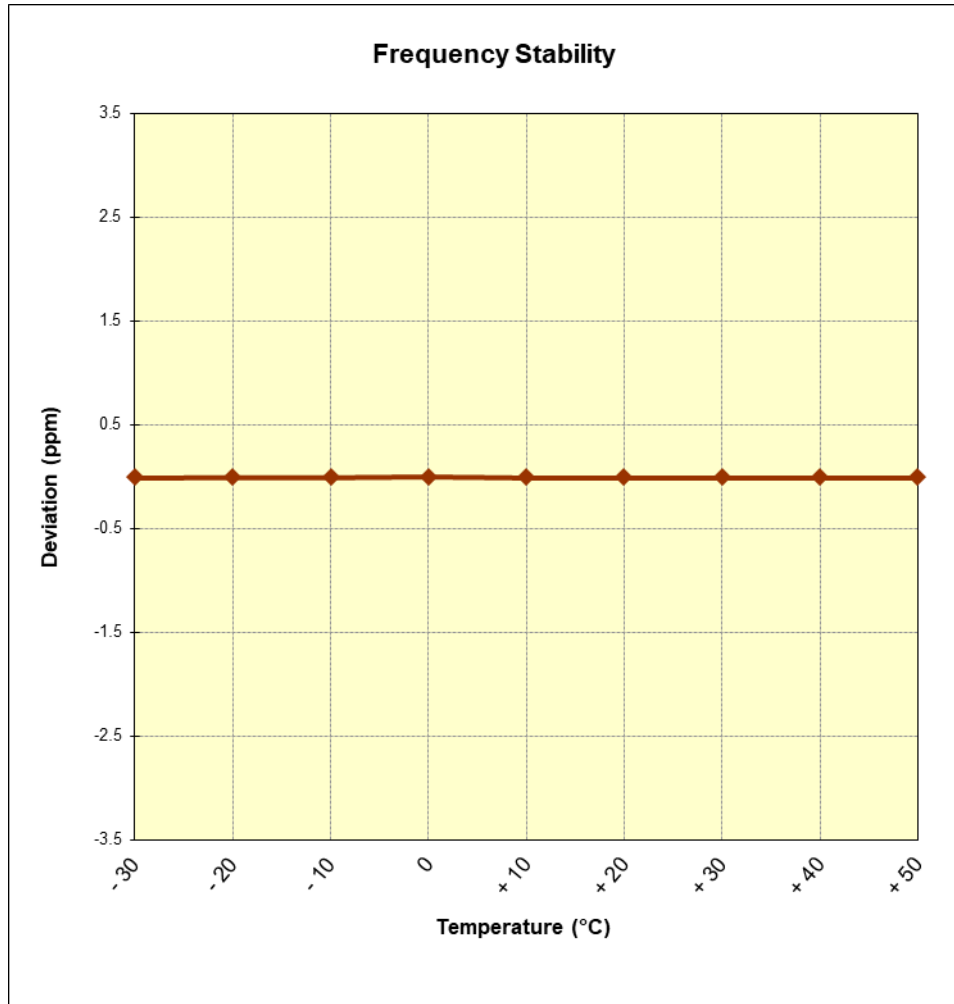


Figure 7-17. Frequency Stability Graph (Band 25/2 - 20MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 30 Frequency Stability Measurements

OPERATING FREQUENCY: 2,310,000,000 Hz
 CHANNEL: 27710
 REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,310,000,010	10	0.0000004
100 %		- 20	2,310,000,009	9	0.0000004
100 %		- 10	2,310,000,005	5	0.0000002
100 %		0	2,310,000,005	5	0.0000002
100 %		+ 10	2,310,000,012	12	0.0000005
100 %		+ 20	2,310,000,003	3	0.0000001
100 %		+ 30	2,310,000,007	7	0.0000003
100 %		+ 40	2,310,000,006	6	0.0000003
100 %		+ 50	2,310,000,008	8	0.0000003
BATT. ENDPOINT	3.40	+ 20	2,310,000,003	3	0.0000001

Table 7-203. Frequency Stability Data (Band 30 - 10MHz QPSK - Full RB Configuration)

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: BCGA2324		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Band 30 Frequency Stability Measurements

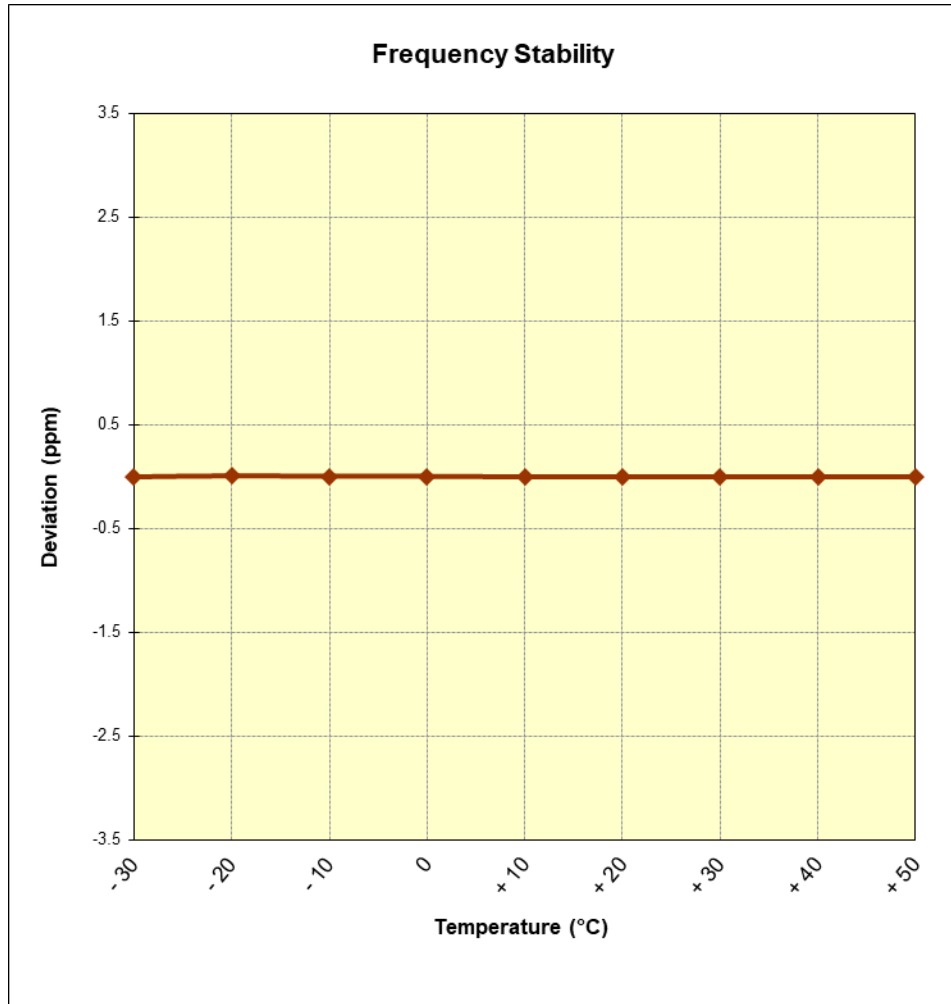


Figure 7-18. Frequency Stability Graph (Band 30 - 10MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 7 Frequency Stability Measurements

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

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,534,999,996	-4	-0.0000001
100 %		- 20	2,535,000,003	3	0.0000001
100 %		- 10	2,535,000,003	3	0.0000001
100 %		0	2,535,000,003	3	0.0000001
100 %		+ 10	2,535,000,002	2	0.0000001
100 %		+ 20	2,535,000,003	3	0.0000001
100 %		+ 30	2,535,000,003	3	0.0000001
100 %		+ 40	2,535,000,003	3	0.0000001
100 %		+ 50	2,535,000,003	3	0.0000001
BATT. ENDPOINT		3.40	+ 20	2,535,000,002	2

Table 7-204. Frequency Stability Data (Band 7 - 20MHz QPSK - Full RB Configuration)

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: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 403 of 407

Band 7 Frequency Stability Measurements

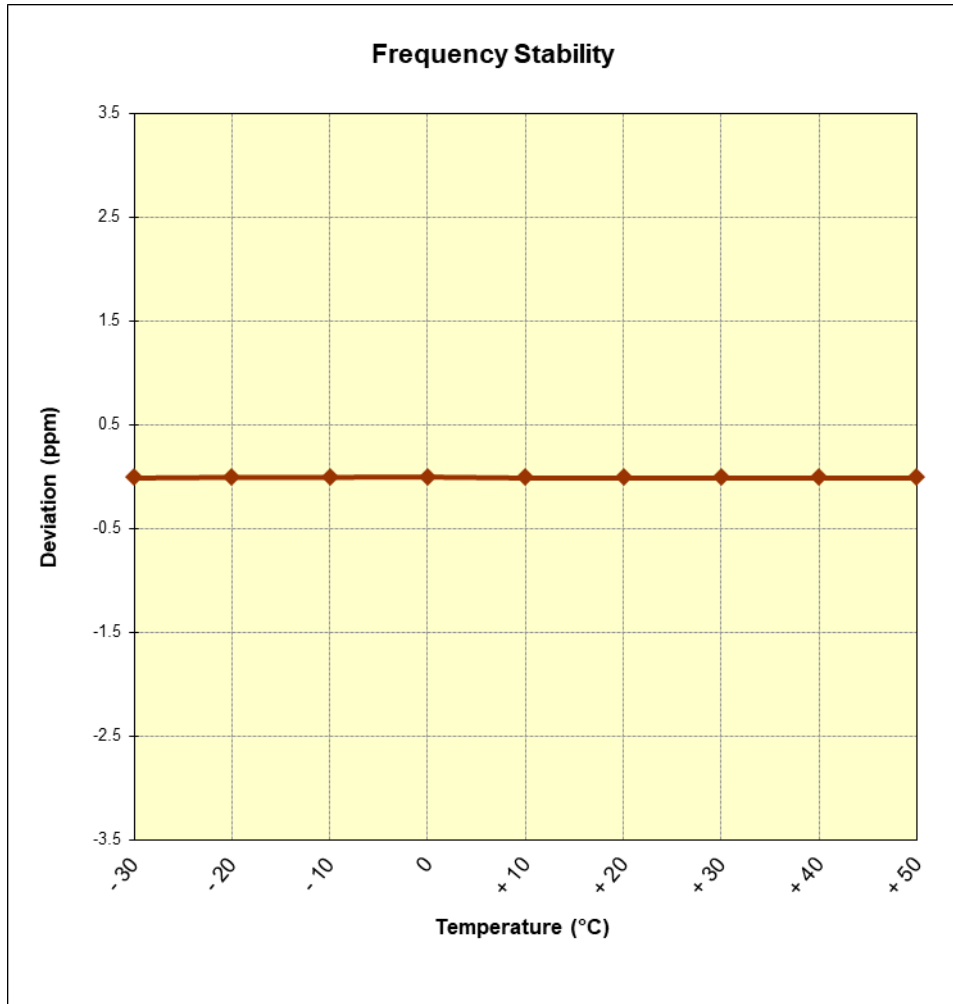


Figure 7-19. Frequency Stability Graph (Band 7 - 20MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 404 of 407

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	2,592,999,945	-55	-0.0000021
100 %		- 20	2,592,999,946	-54	-0.0000021
100 %		- 10	2,592,999,983	-17	-0.0000006
100 %		0	2,592,999,939	-61	-0.0000024
100 %		+ 10	2,592,999,980	-20	-0.0000008
100 %		+ 20	2,592,999,982	-18	-0.0000007
100 %		+ 30	2,592,999,983	-17	-0.0000006
100 %		+ 40	2,592,999,984	-16	-0.0000006
100 %		+ 50	2,592,999,984	-16	-0.0000006
BATT. ENDPOINT		3.40	+ 20	2,592,999,946	-54

Table 7-205. Frequency Stability Data (Band 41 - 20MHz QPSK - Full RB Configuration)

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: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 405 of 407

Band 41 Frequency Stability Measurements

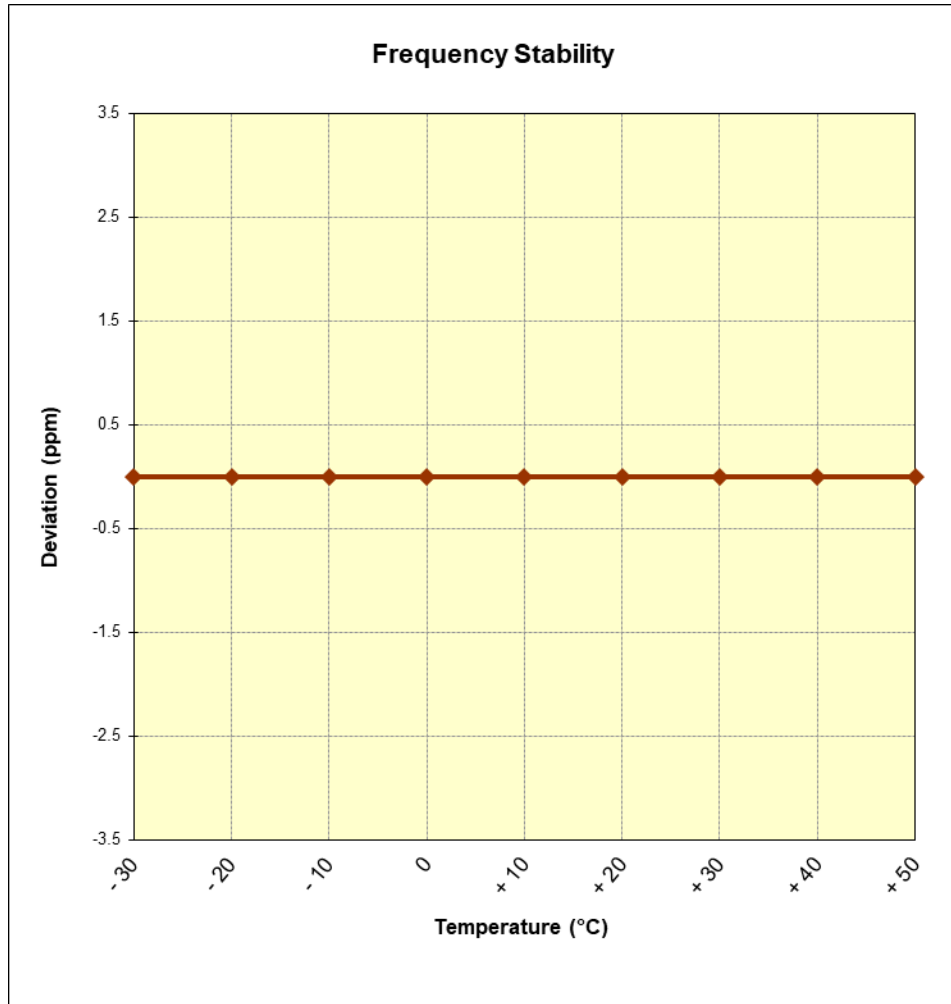


Figure 7-20. Frequency Stability Graph (Band 41 - 20MHz QPSK - Full RB Configuration)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 406 of 407

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2324** complies with all the requirements of Part 22, 24, & 27 of the FCC Rules for LTE operation only.

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-03.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device
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