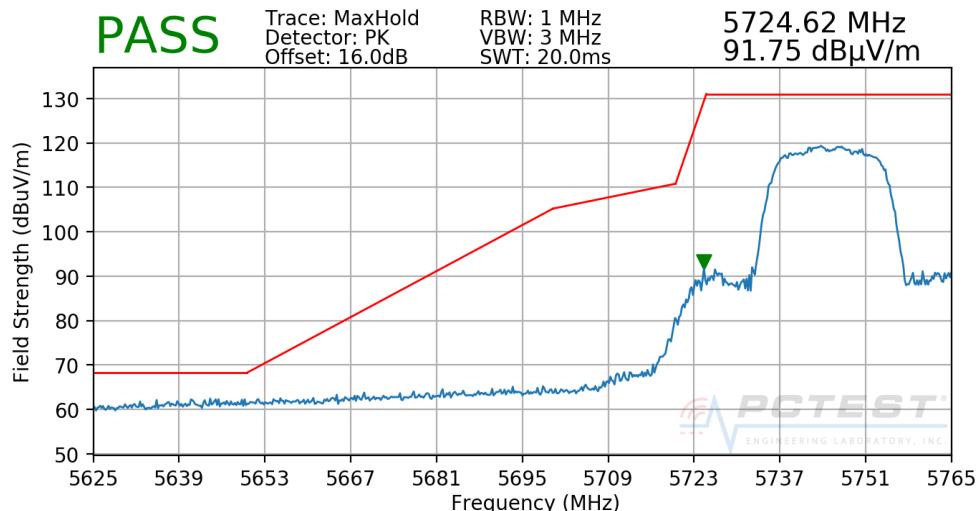
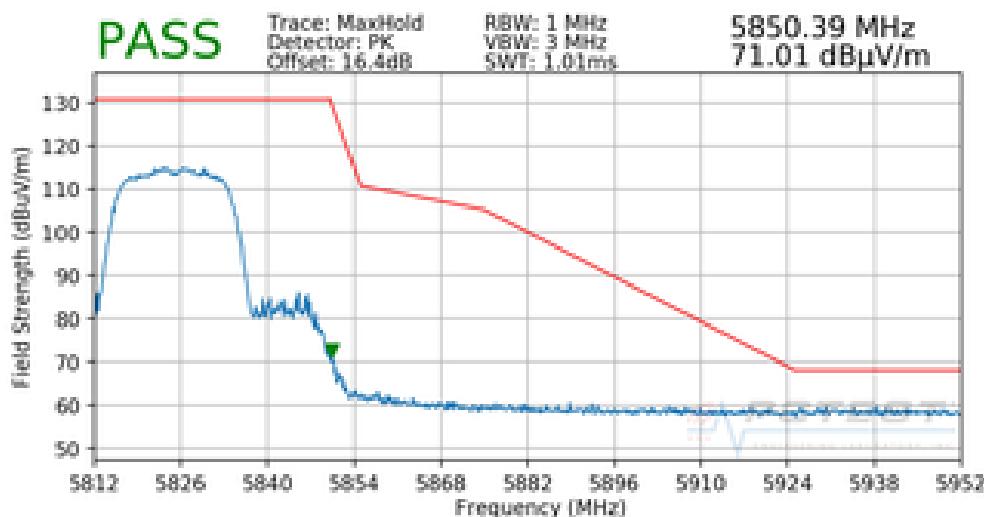


Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5745MHz
 Channel: 149



Plot 7-234. Radiated Lower Band Edge Plot SISO CORE1 (Peak – UNII Band 3)

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



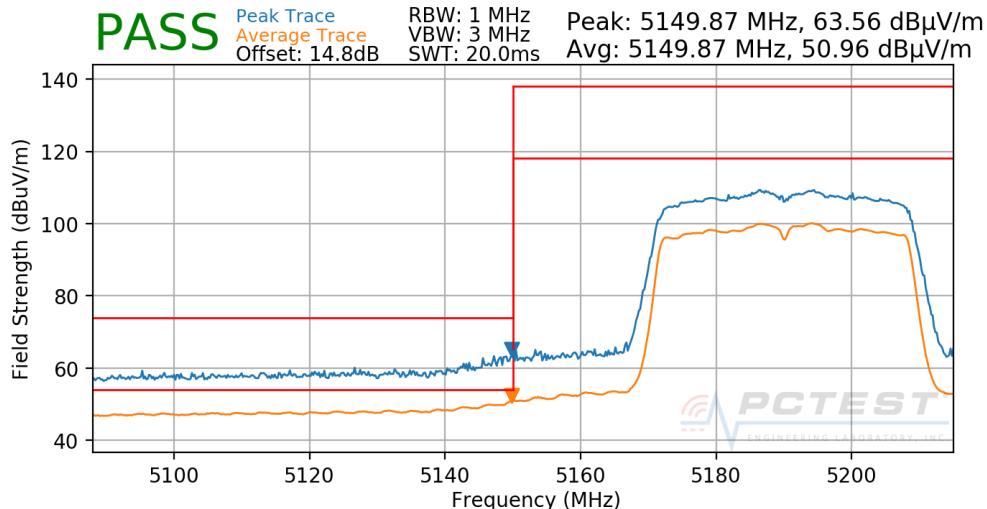
Plot 7-235. Radiated Upper Band Edge Plot SISO CORE1 (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device		Page 171 of 202

7.6.8 SISO Core-1 Radiated Band Edge Measurements (40MHz BW)

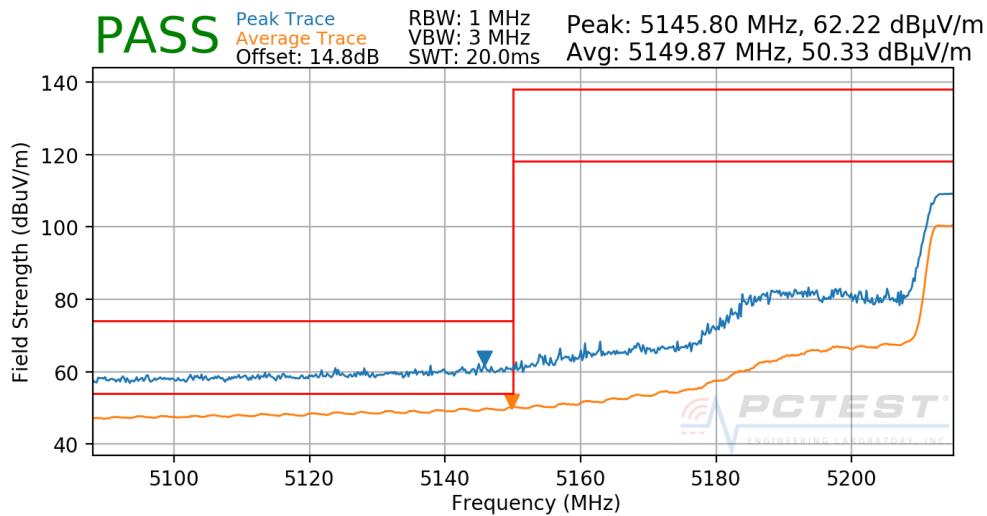
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5190MHz
 Channel: 38



Plot 7-236. Radiated Lower Band Edge Plot SISO CORE1 (UNII Band 1)

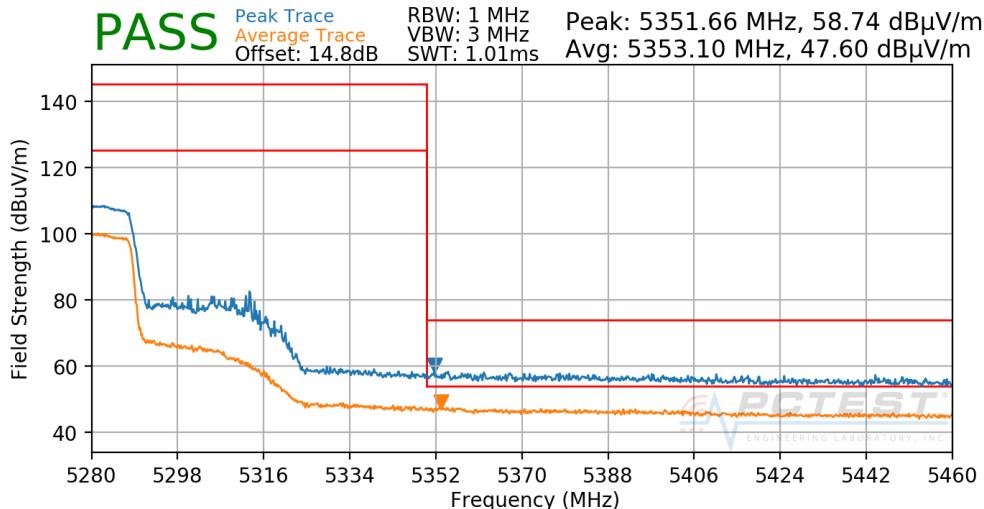
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5230MHz
 Channel: 46



Plot 7-237. Radiated Lower Band Edge Plot SISO CORE1 (UNII Band 1)

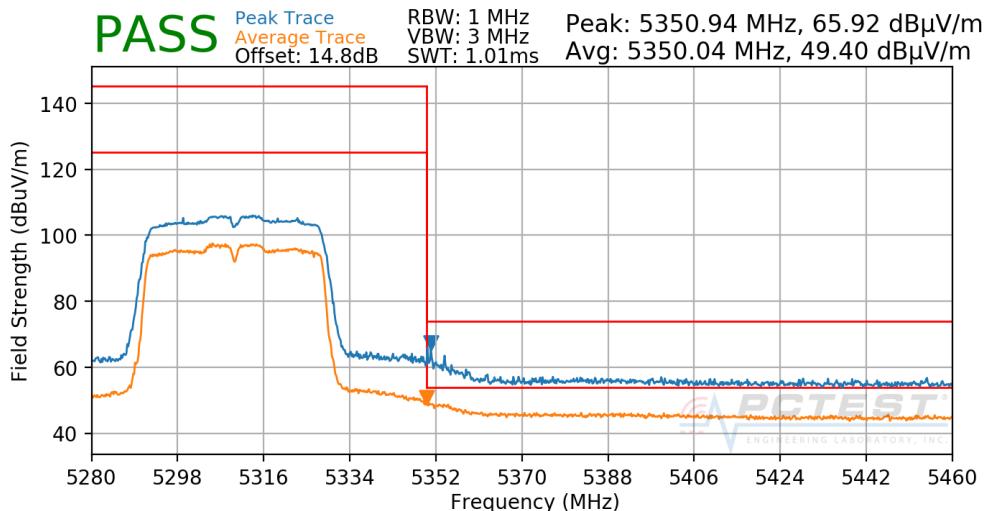
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 172 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5270MHz
 Channel: 54



Plot 7-238. Radiated Upper Band Edge Plot SISO CORE1 (UNII Band 2A)

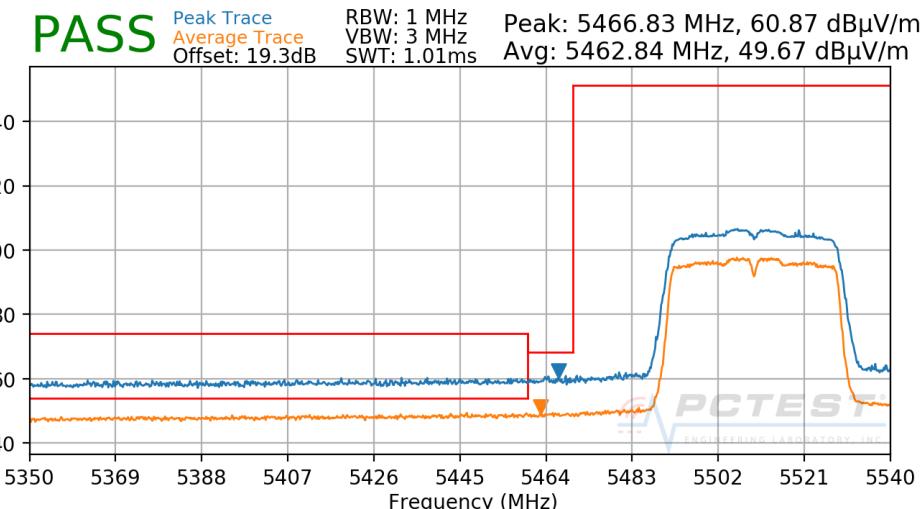
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5310MHz
 Channel: 62



Plot 7-239. Radiated Upper Band Edge Plot SISO CORE1 (UNII Band 2A)

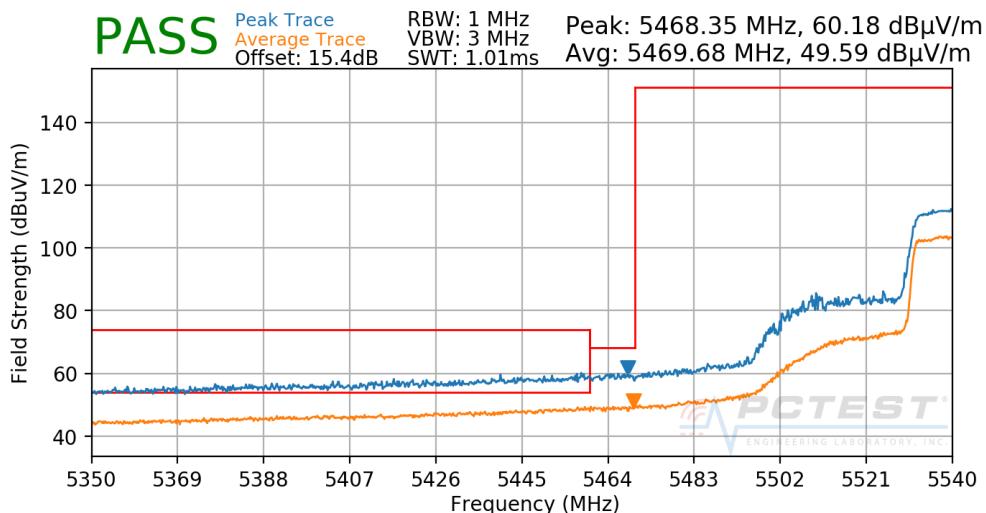
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device		Page 173 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5510MHz
 Channel: 102



Plot 7-240. Radiated Lower Band Edge Plot SISO CORE1 (UNII Band 2C)

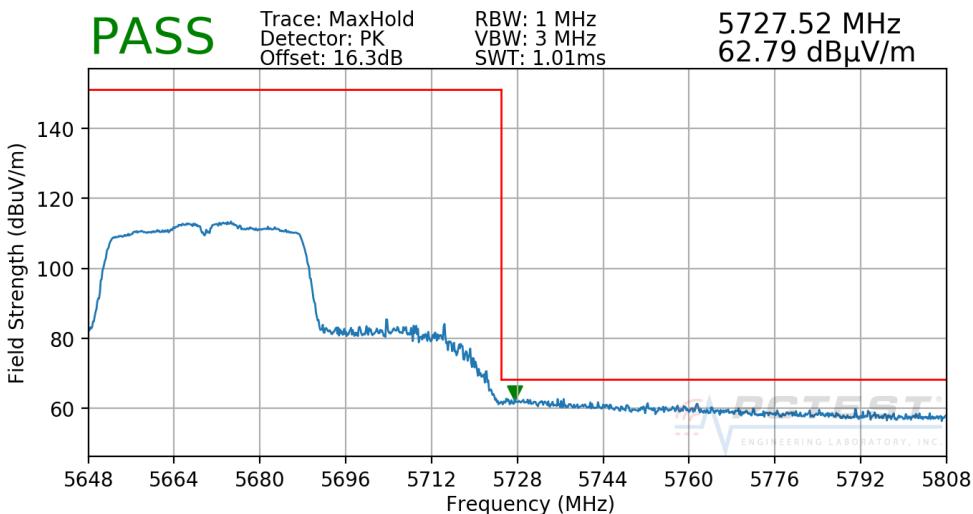
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5550MHz
 Channel: 110



Plot 7-241. Radiated Upper Band Edge Plot SISO CORE1 (Peak - UNII Band 2C)

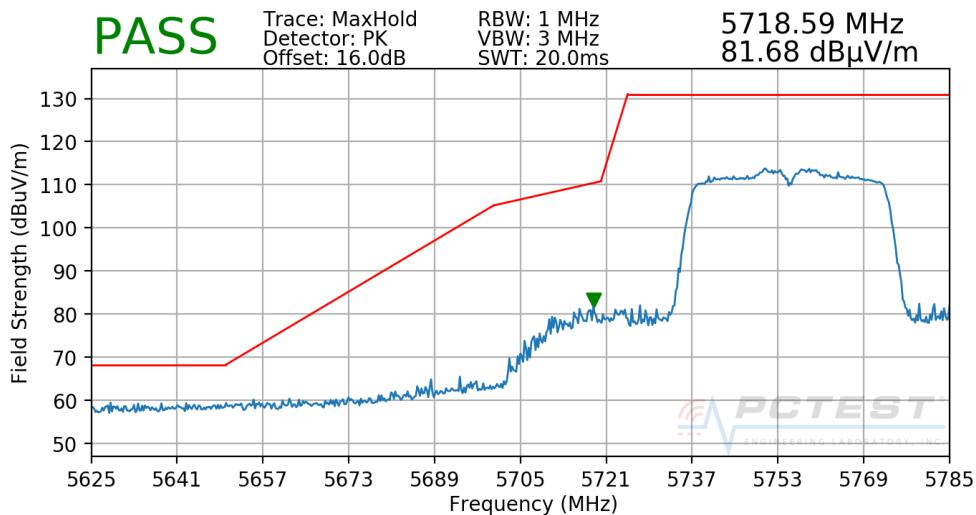
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device		Page 174 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5670MHz
 Channel: 134



Plot 7-242. Radiated Upper Band Edge Plot SISO CORE1 (Peak - UNII Band 2C)

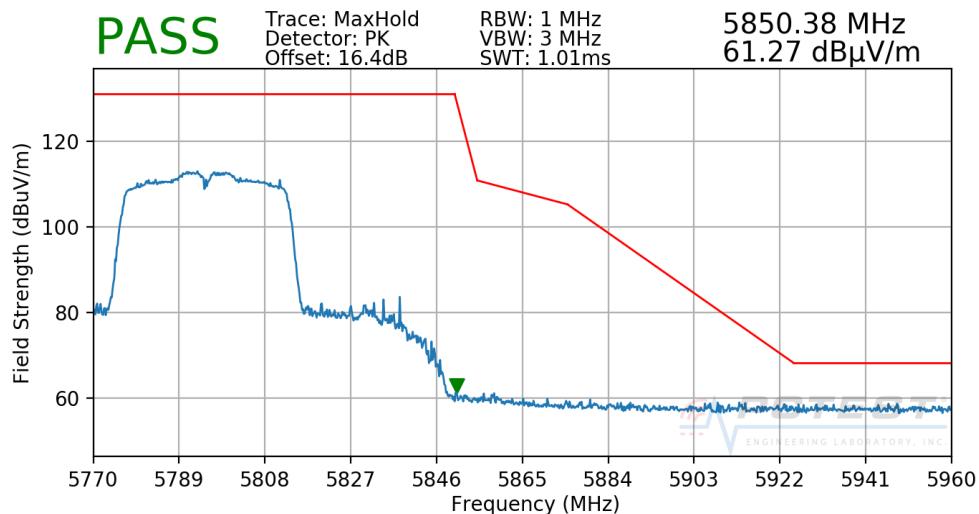
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5755MHz
 Channel: 151



Plot 7-243. Radiated Lower Band Edge Plot SISO CORE1 (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 175 of 202	

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



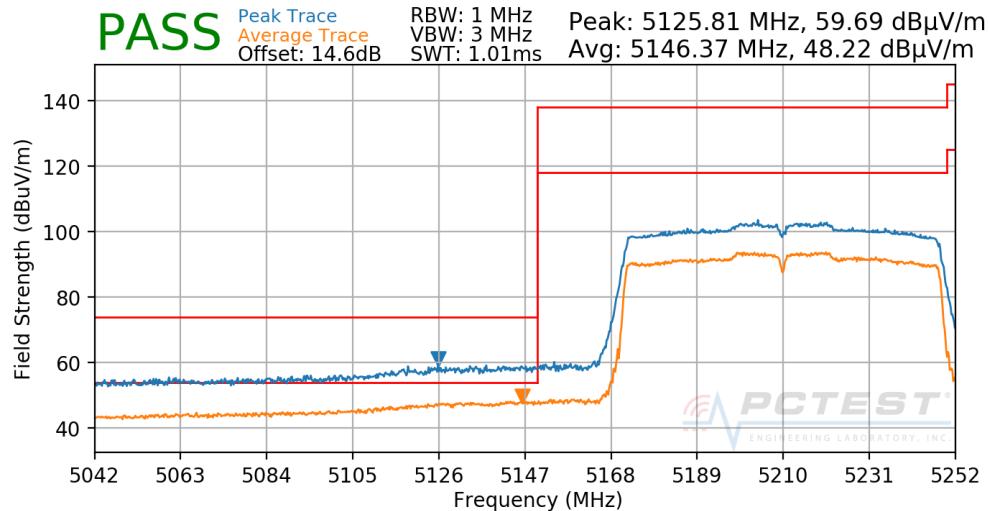
Plot 7-244. Radiated Upper Band Edge Plot SISO CORE1 (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 176 of 202

7.6.9 SISO Core-1 Radiated Band Edge Measurements (80MHz BW)

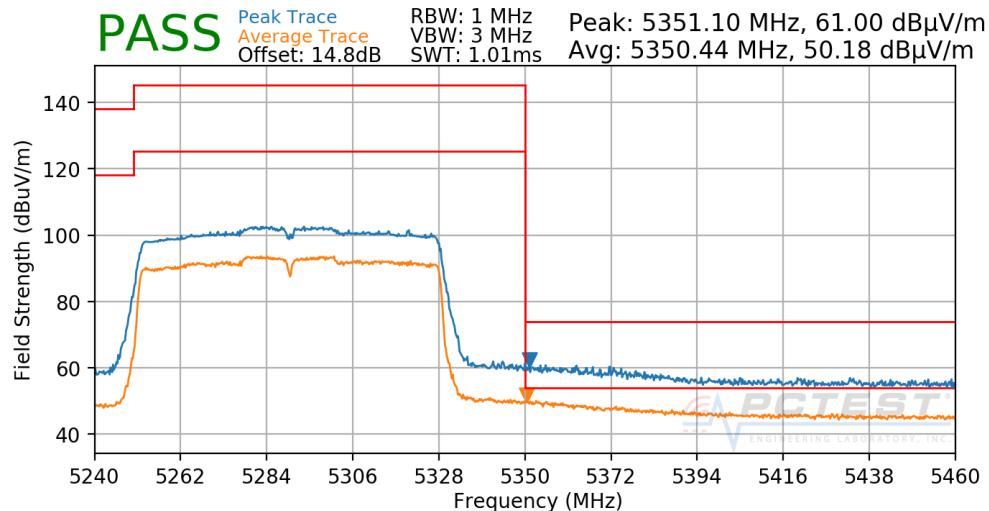
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5210MHz
 Channel: 42



Plot 7-245. Radiated Lower Band Edge Plot SISO CORE1 (UNII Band 1)

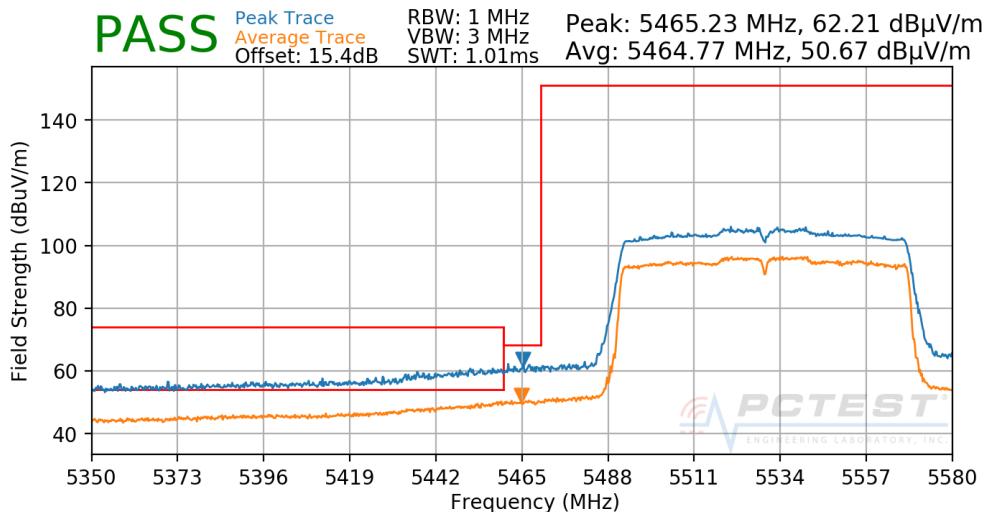
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5290MHz
 Channel: 58



Plot 7-246. Radiated Upper Band Edge Plot SISO CORE1 (UNII Band 2A)

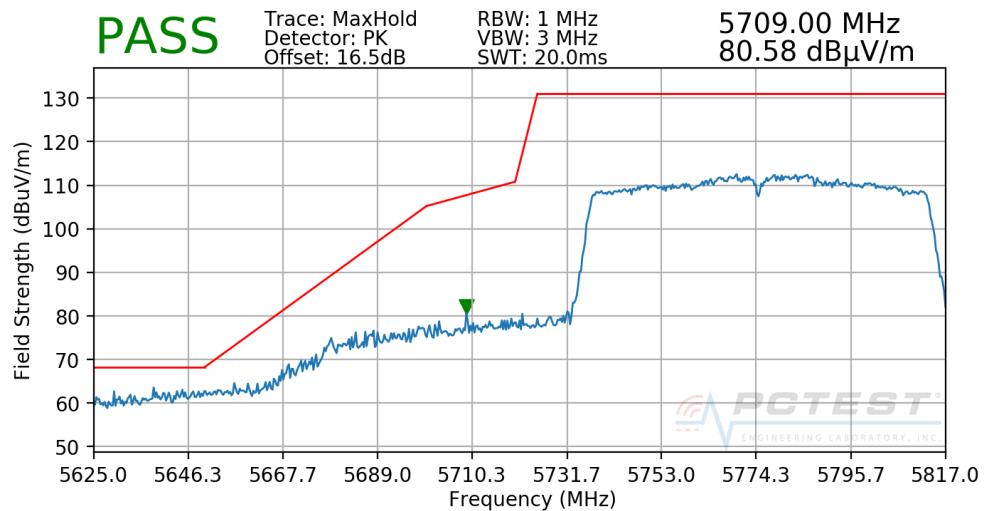
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 177 of 202	

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106



Plot 7-247. Radiated Lower Band Edge Plot SISO CORE1 (UNII Band 2C)

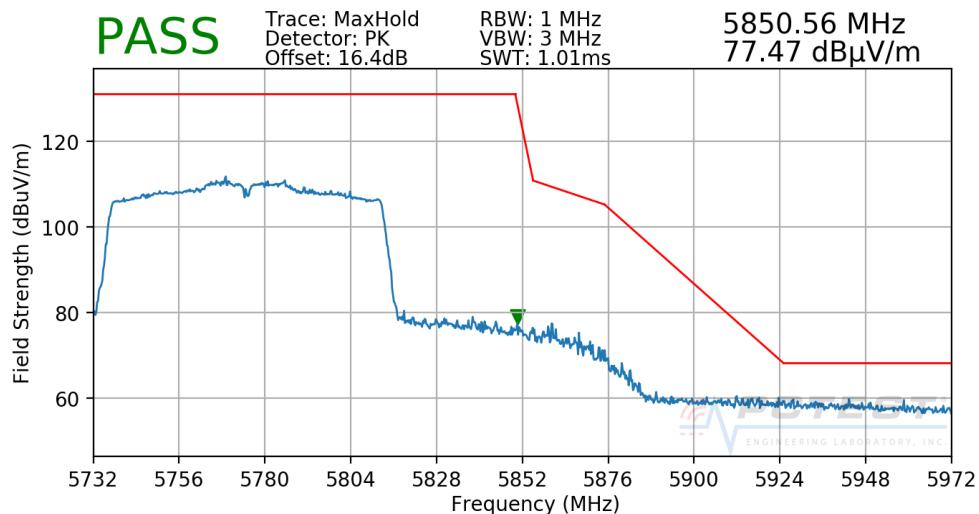
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



Plot 7-248. Radiated Lower Band Edge Plot SISO CORE1 (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 178 of 202	

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



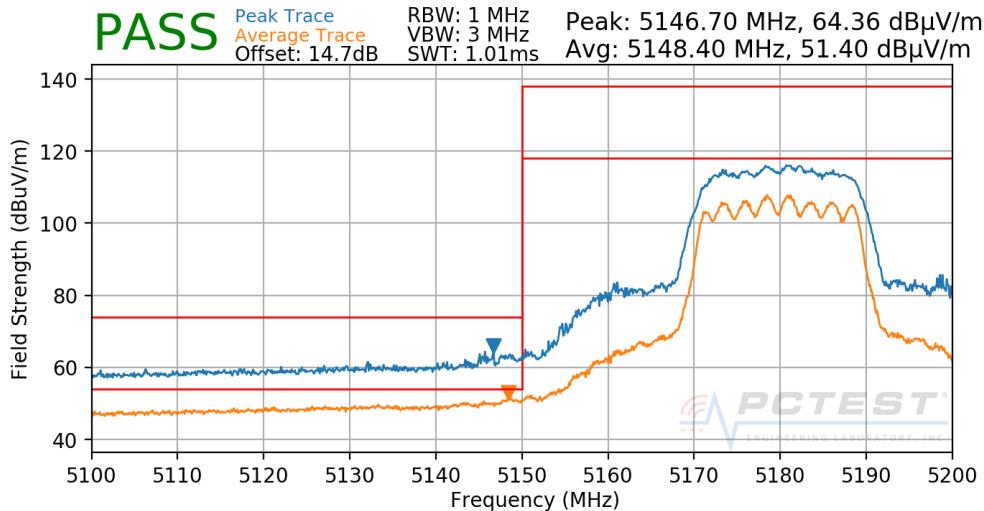
Plot 7-249. Radiated Upper Band Edge Plot SISO CORE1 (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 179 of 202

7.6.10 CDD Radiated Band Edge Measurements (20MHz BW)

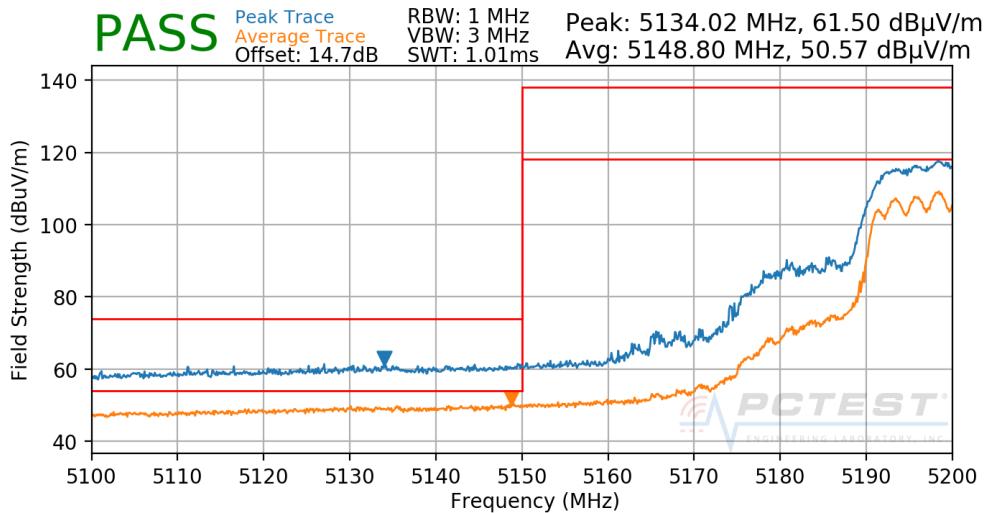
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5180MHz
 Channel: 36



Plot 7-250. Radiated Lower Band Edge Plot CDD (UNII Band 1)

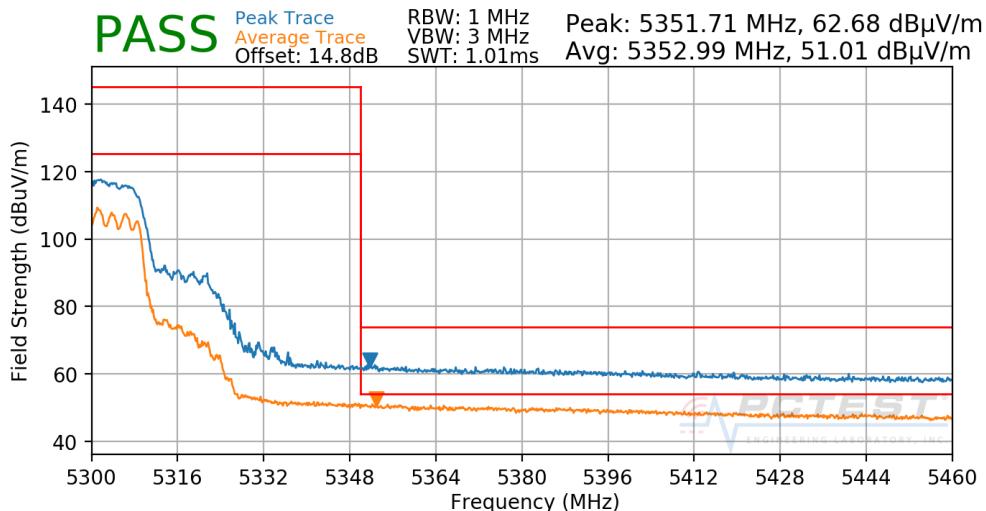
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5200MHz
 Channel: 40



Plot 7-251. Radiated Lower Band Edge Plot CDD (UNII Band 1)

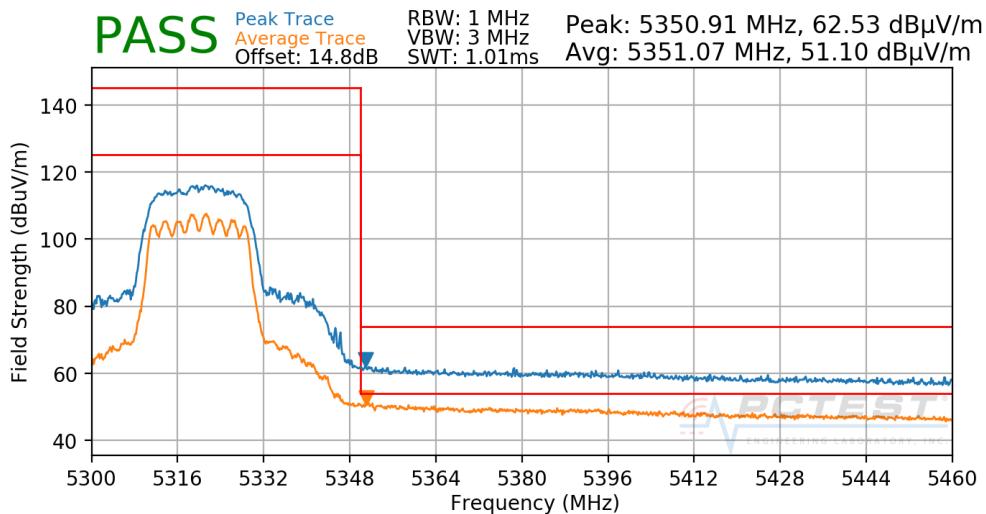
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 180 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5300MHz
 Channel: 60



Plot 7-252. Radiated Upper Band Edge Plot CDD (UNII Band 2A)

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5320MHz
 Channel: 64

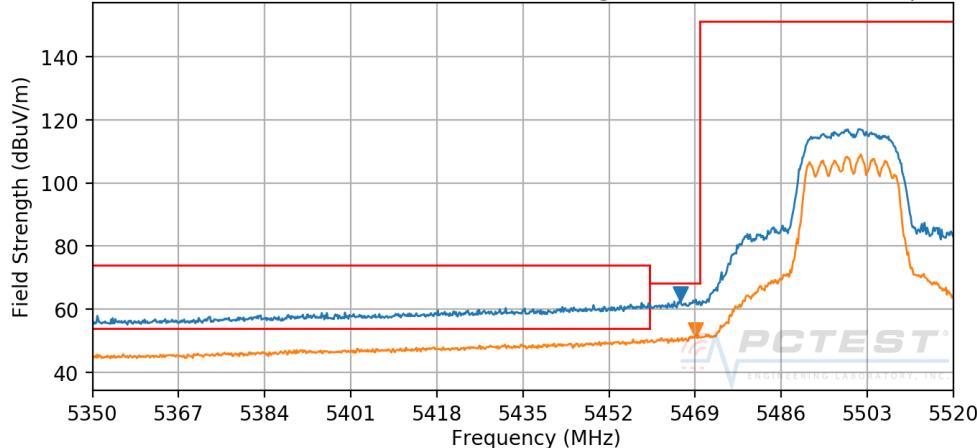


Plot 7-253. Radiated Upper Band Edge Plot CDD (UNII Band 2A)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 181 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

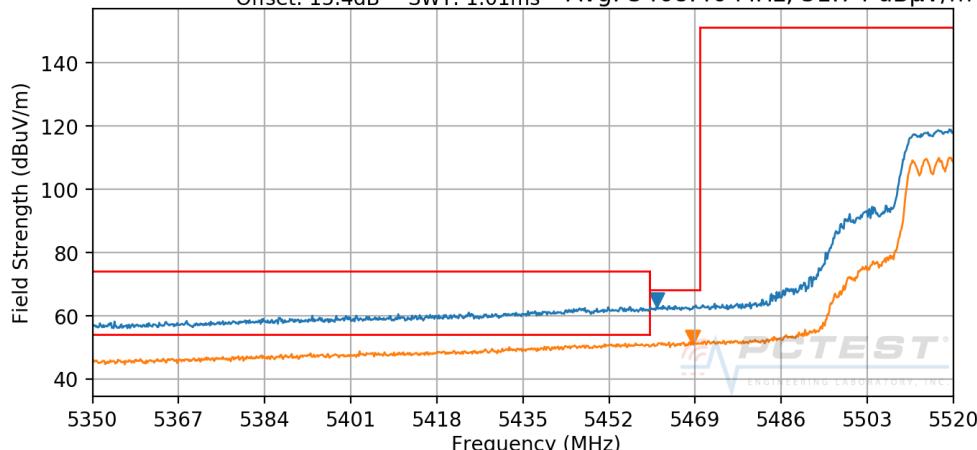
PASS Peak Trace: 5466.08 MHz, 63.42 dB μ V/m
 Average Trace: 5469.14 MHz, 51.94 dB μ V/m
 Offset: 15.4dB RBW: 1 MHz
 VBW: 3 MHz SWT: 1.01ms



Plot 7-254. Radiated Lower Band Edge Plot CDD (UNII Band 2C)

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5520MHz
 Channel: 104

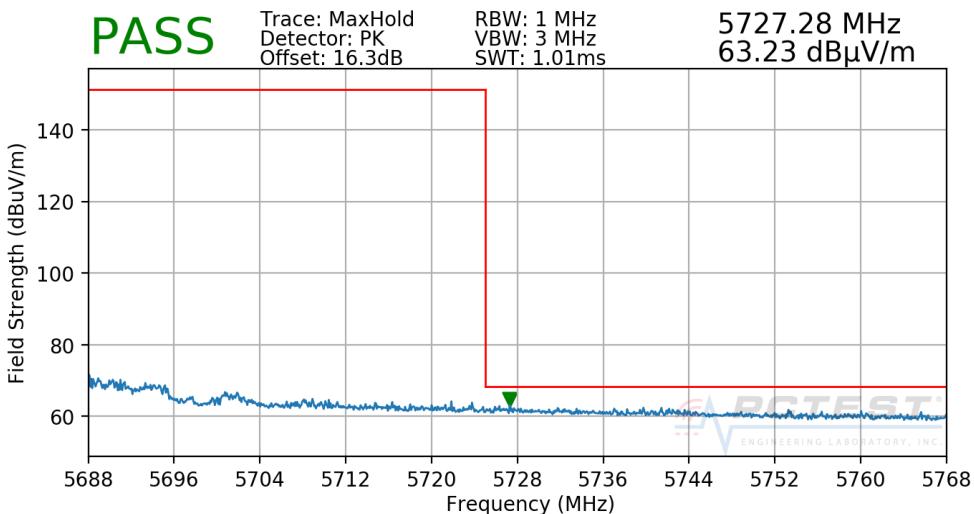
PASS Peak Trace: 5461.49 MHz, 63.52 dB μ V/m
 Average Trace: 5468.46 MHz, 51.74 dB μ V/m
 Offset: 15.4dB RBW: 1 MHz
 VBW: 3 MHz SWT: 1.01ms



Plot 7-255. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 2C)

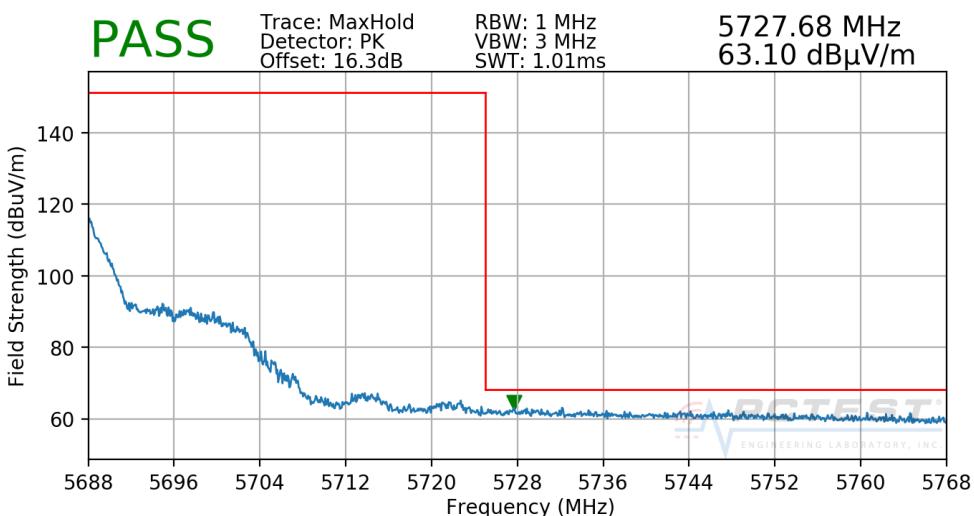
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 182 of 202	

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5660MHz
 Channel: 132



Plot 7-256. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 2C)

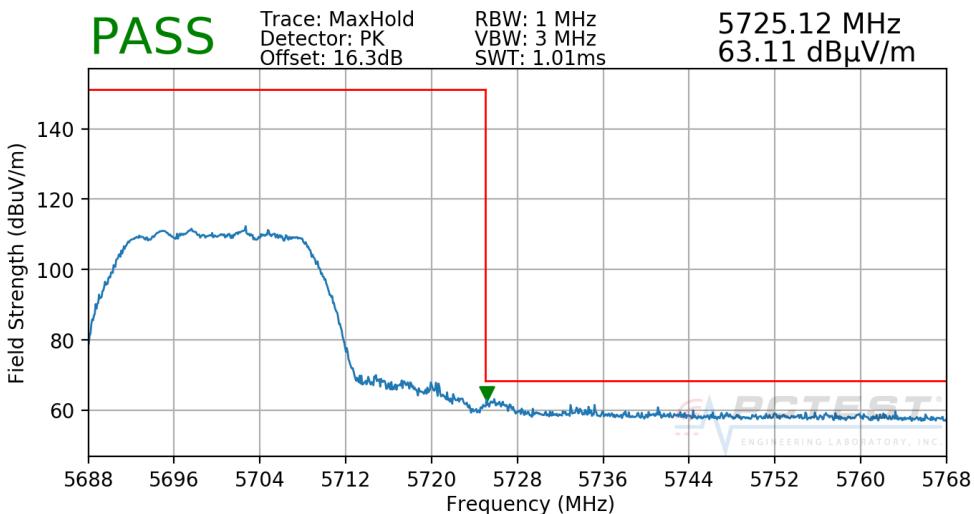
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5680MHz
 Channel: 136



Plot 7-257. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 2C)

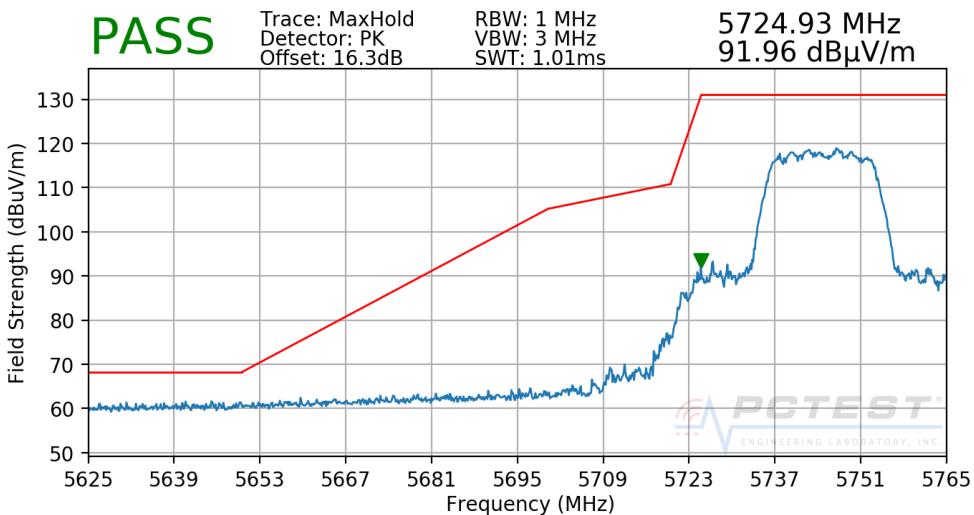
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 183 of 202	

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5700MHz
 Channel: 140



Plot 7-258. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 2C)

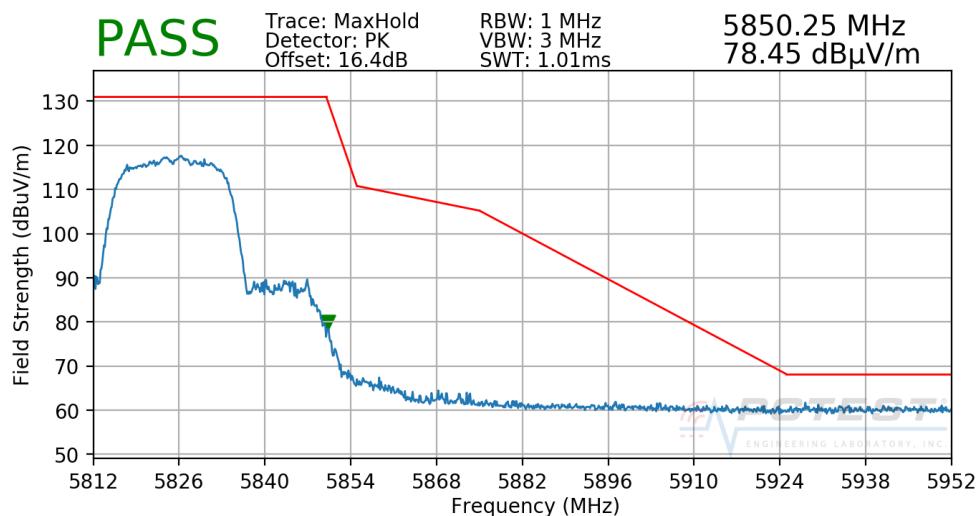
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5745MHz
 Channel: 149



Plot 7-259. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device		Page 184 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



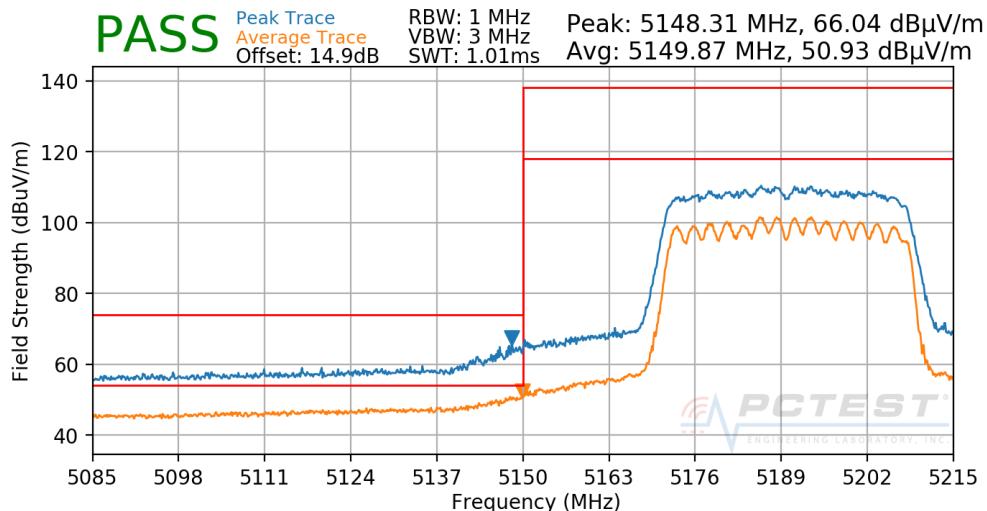
Plot 7-260. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 185 of 202

7.6.11 CDD Radiated Band Edge Measurements (40MHz BW)

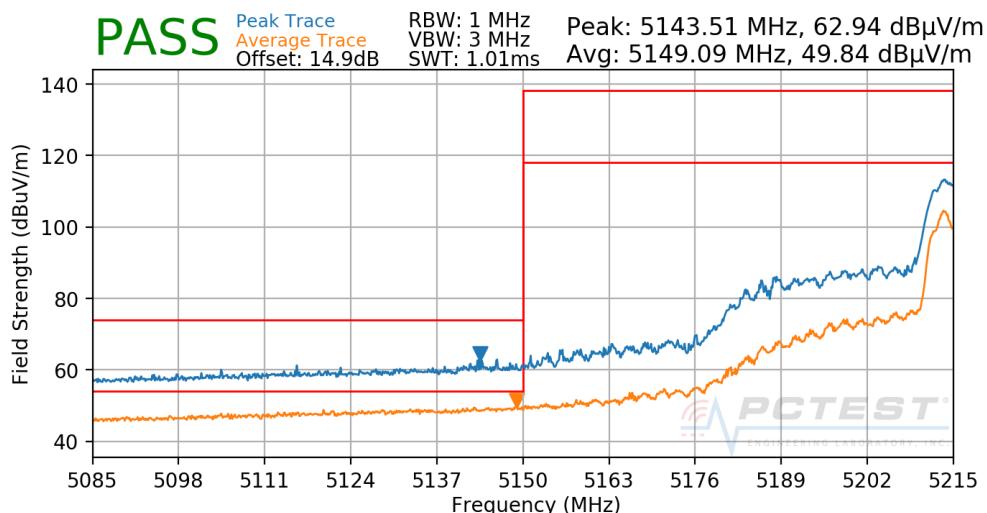
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5190MHz
 Channel: 38



Plot 7-261. Radiated Lower Band Edge Plot CDD (UNII Band 1)

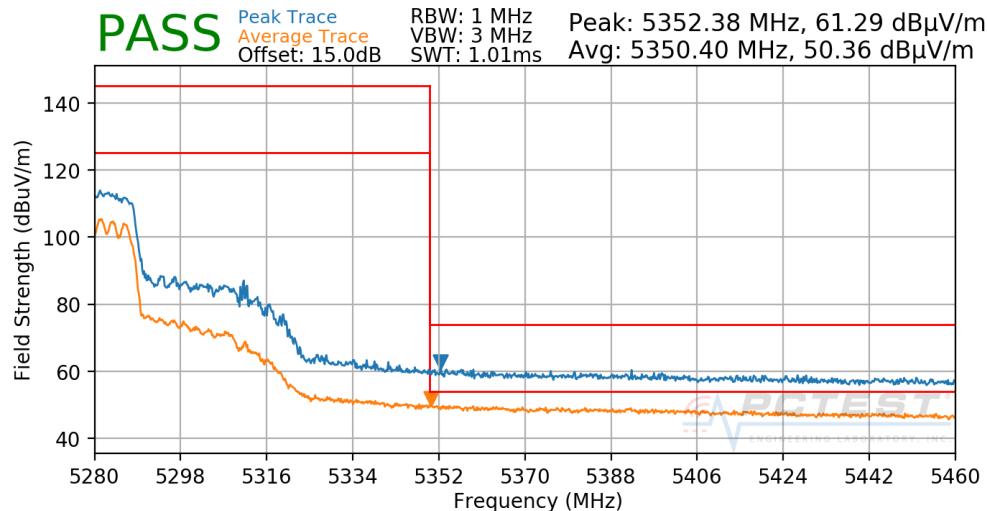
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5230MHz
 Channel: 46



Plot 7-262. Radiated Lower Band Edge Plot CDD (UNII Band 1)

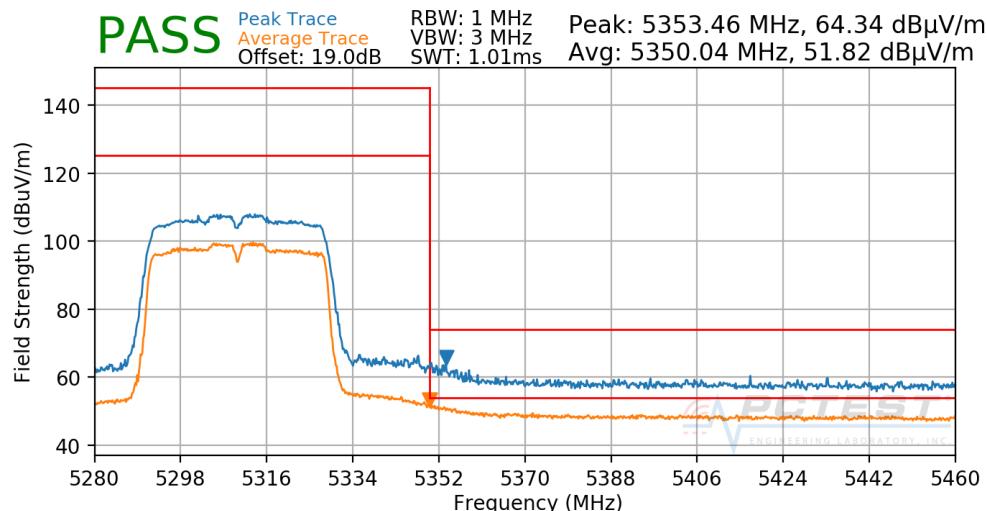
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 186 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5270MHz
 Channel: 54



Plot 7-263. Radiated Upper Band Edge Plot CDD (UNII Band 2A)

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5310MHz
 Channel: 62

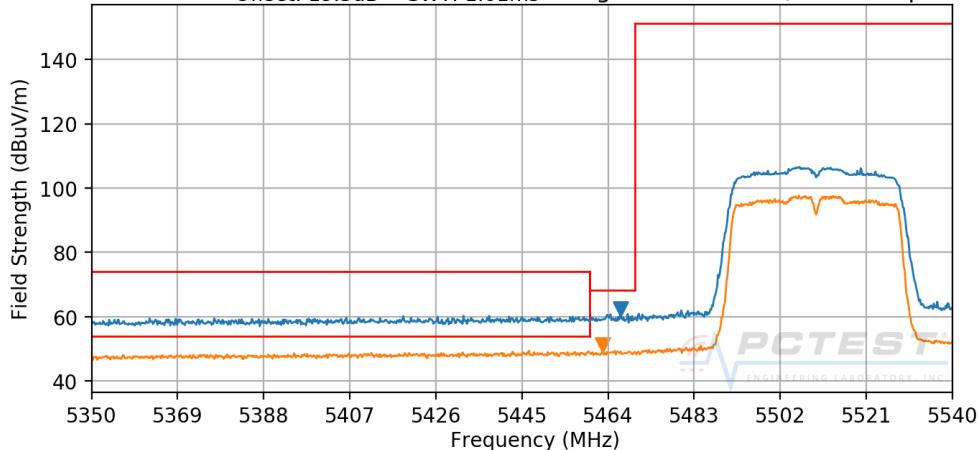


Plot 7-264. Radiated Upper Band Edge Plot CDD (UNII Band 2A)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device		Page 187 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5510MHz
 Channel: 102

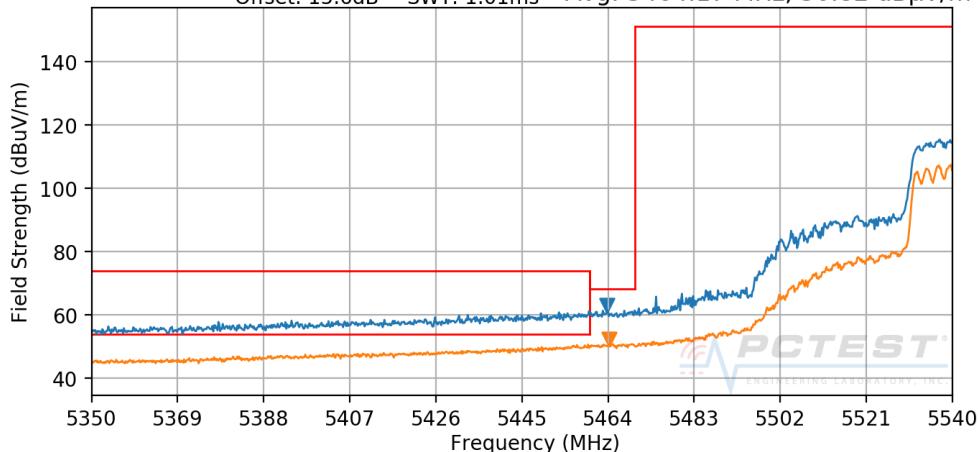
PASS Peak Trace: 5466.83 MHz, 60.87 dB μ V/m
 Average Trace: 5462.84 MHz, 49.67 dB μ V/m
 RBW: 1 MHz
 VBW: 3 MHz
 Offset: 19.3dB
 SWT: 1.01ms



Plot 7-265. Radiated Lower Band Edge Plot CDD (UNII Band 2C)

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5550MHz
 Channel: 110

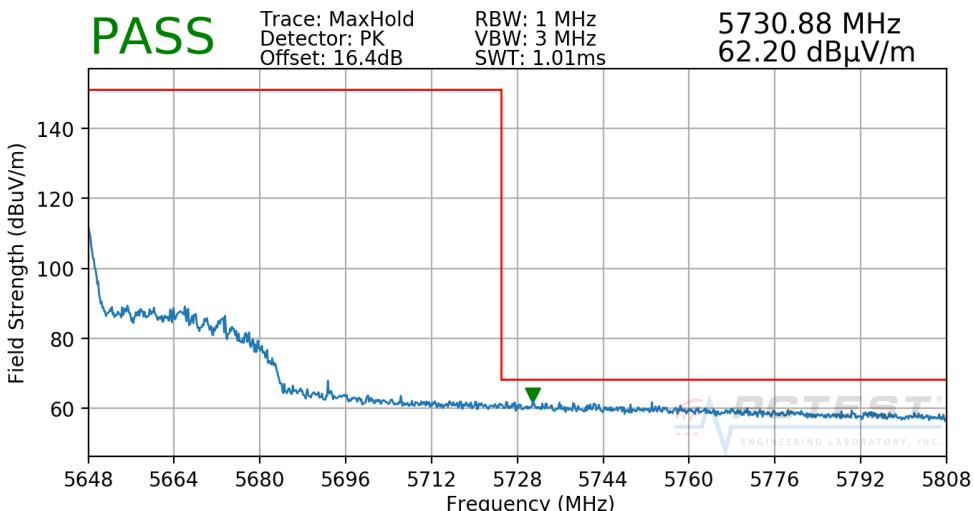
PASS Peak Trace: 5463.79 MHz, 61.52 dB μ V/m
 Average Trace: 5464.17 MHz, 50.82 dB μ V/m
 RBW: 1 MHz
 VBW: 3 MHz
 Offset: 15.6dB
 SWT: 1.01ms



Plot 7-266. Radiated Lower Band Edge Plot CDD (Peak - UNII Band 2C)

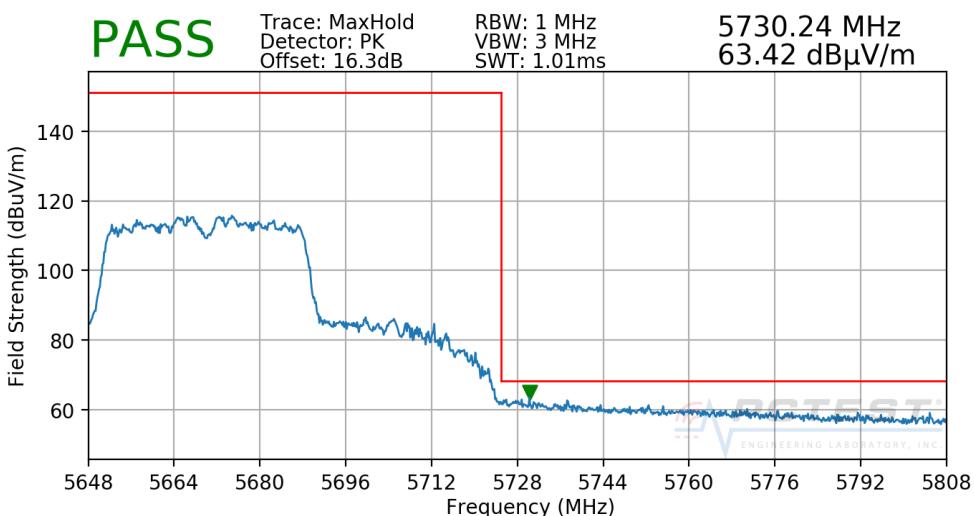
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device	Page 188 of 202	

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5630MHz
 Channel: 126



Plot 7-267. Radiated Upper Band Edge Plot CDD (Peak - UNII Band 2C)

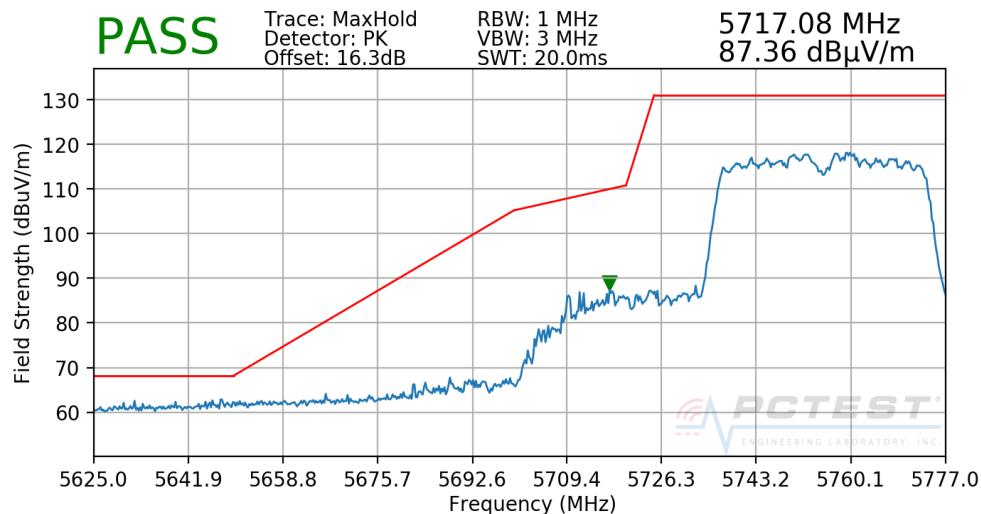
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5670MHz
 Channel: 134



Plot 7-268. Radiated Upper Band Edge Plot CDD (Peak - UNII Band 2C)

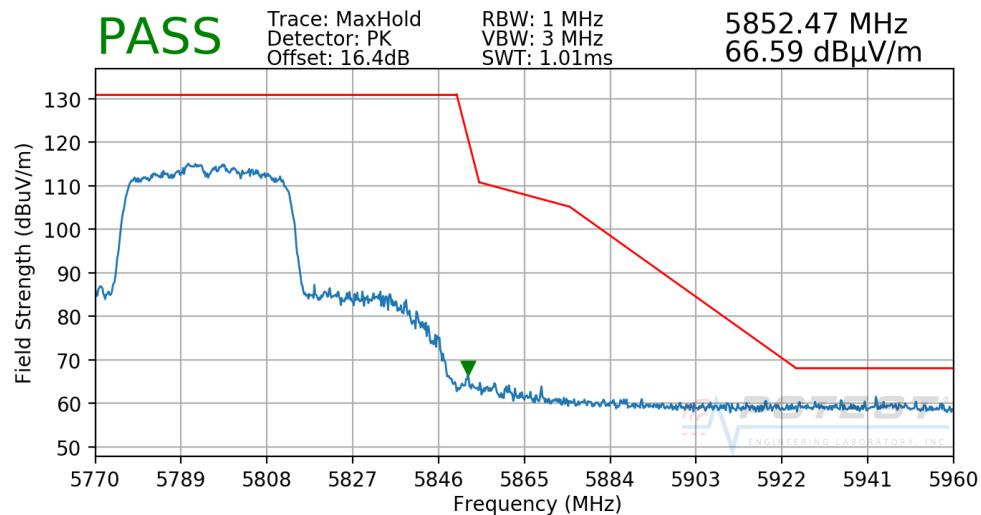
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device		Page 189 of 202

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5755MHz
 Channel: 151



Plot 7-269. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 3)

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



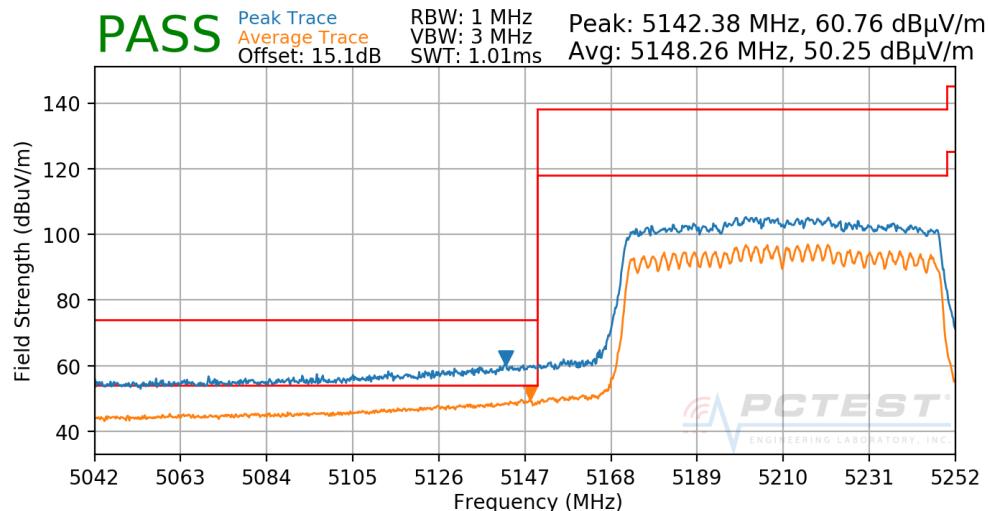
Plot 7-270. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1806050012-10.BCG	Test Dates: 07/27/2018-10/10/2018	EUT Type: Tablet Device		Page 190 of 202

7.6.12 CDD Radiated Band Edge Measurements (80MHz BW)

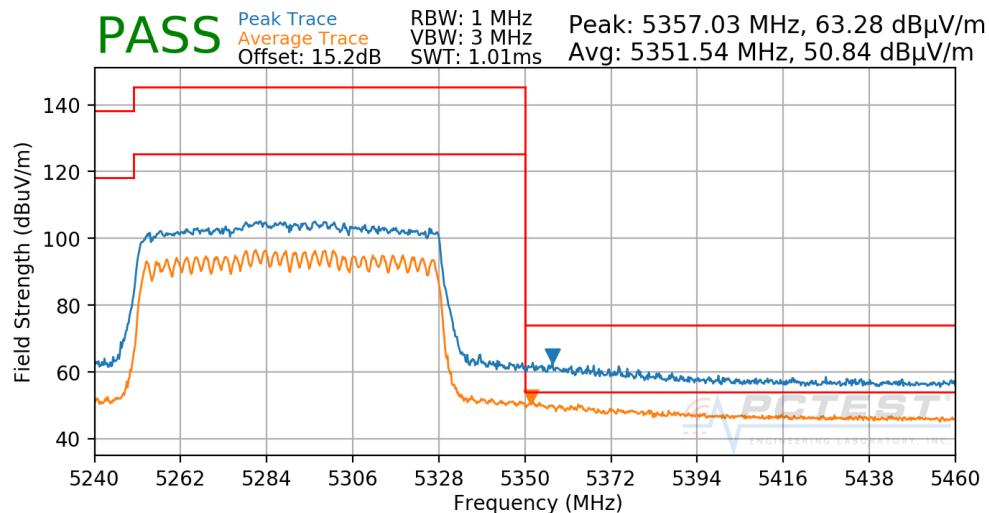
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5210MHz
 Channel: 42



Plot 7-271. Radiated Lower Band Edge Plot CDD (UNII Band 1)

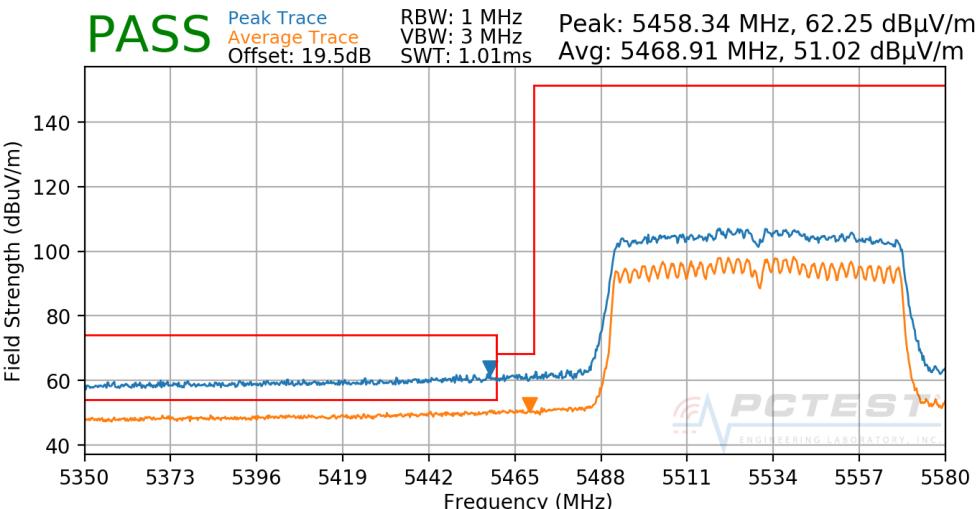
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5290MHz
 Channel: 58



Plot 7-272. Radiated Upper Band Edge Plot CDD (UNII Band 2A)

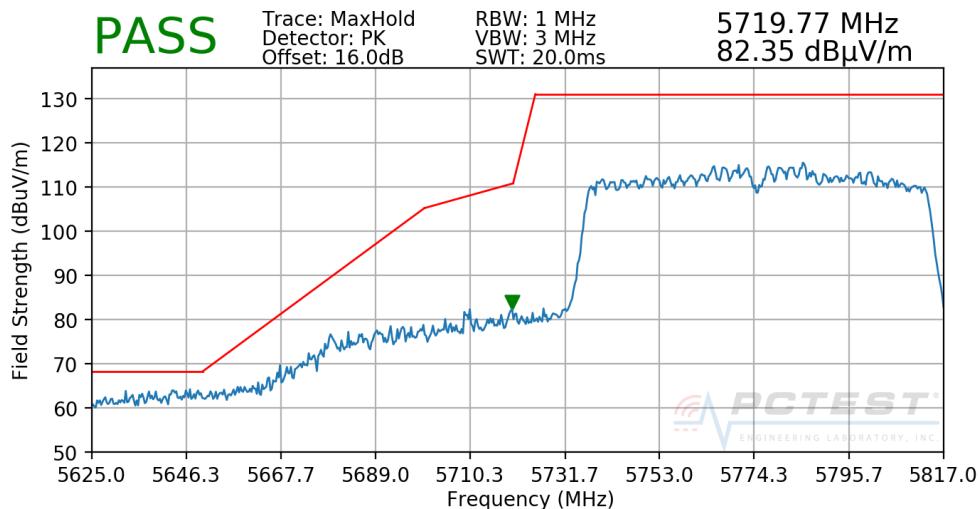
FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
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Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106



Plot 7-273. Radiated Lower Band Edge Plot CDD (UNII Band 2C)

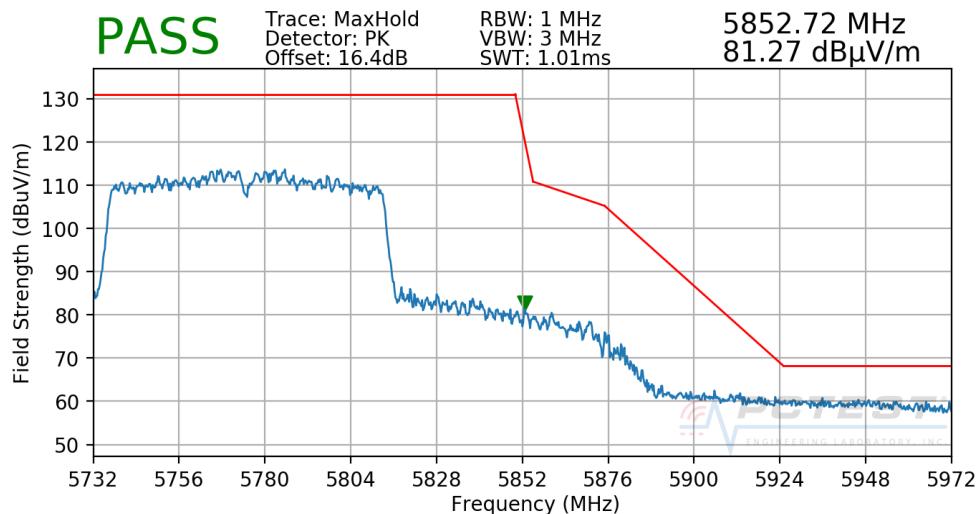
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



Plot 7-274. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 3)

FCC ID: BCGA2013	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
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Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



Plot 7-275. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 3)

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7.7 Radiated Spurious Emissions Measurements – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-72 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μ V/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-72. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

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Test Setup

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

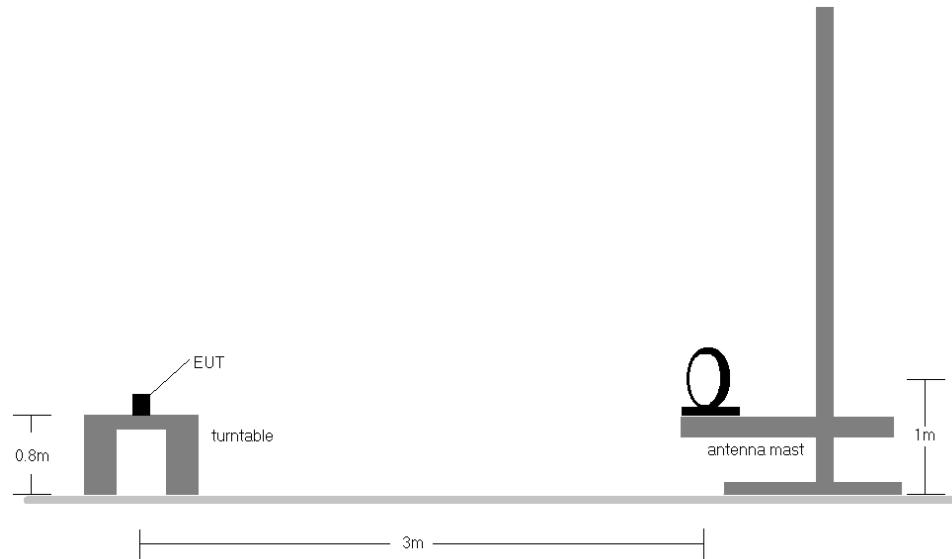


Figure 7-6. Radiated Test Setup < 30MHz

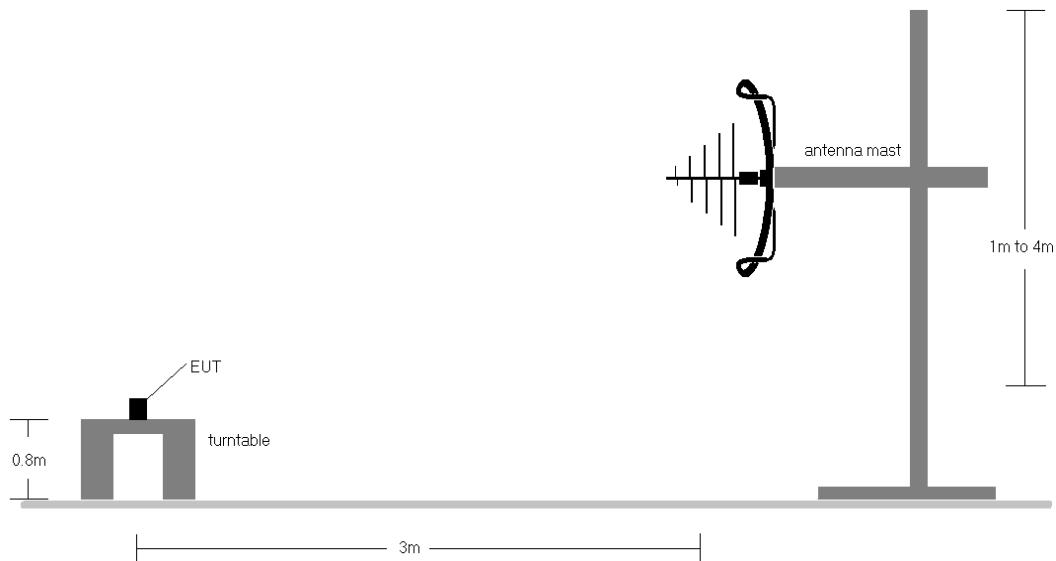


Figure 7-7. Radiated Test Setup < 1GHz

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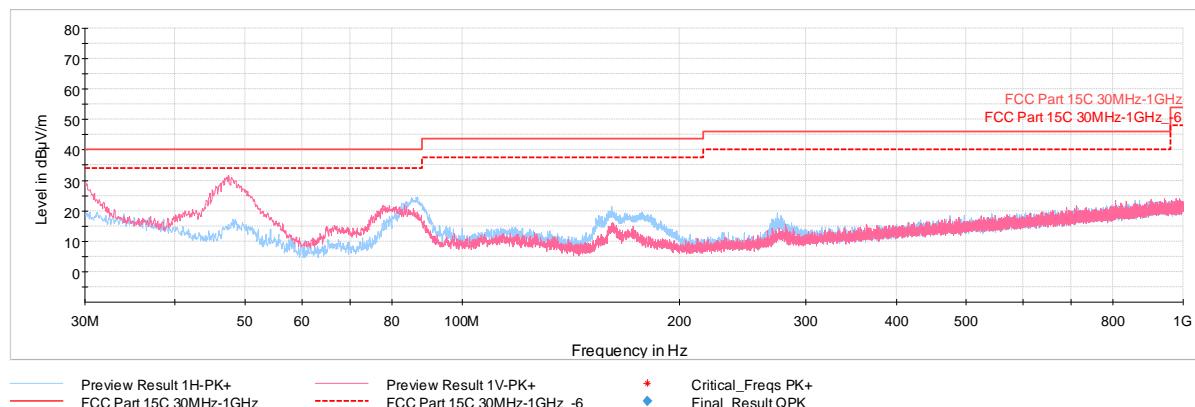
Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-72.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.

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CDD Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-276. Radiated Spurious Plot below 1GHz CDD (802.11n – U3 Ch. 157)

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]
47.46	Max-Peak	V	100	22	-55.12	-20.27	31.61	40.00	-8.39
78.26	Max-Peak	V	100	289	-65.67	-19.57	21.76	40.00	-18.24
86.79	Max-Peak	H	250	139	-63.63	-19.10	24.27	40.00	-15.73
161.44	Max-Peak	H	250	17	-65.85	-19.65	21.50	43.52	-22.02
273.42	Max-Peak	H	100	82	-70.76	-16.91	19.33	46.02	-26.69
805.71	Max-Peak	V	100	201	-77.63	-5.90	23.47	46.02	-22.55

Table 7-73. Radiated Spurious Emissions below 1GHz CDD

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7.8 Line-Conducted Test Data

§15.407; RSS-Gen [8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-74. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

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Test Setup

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

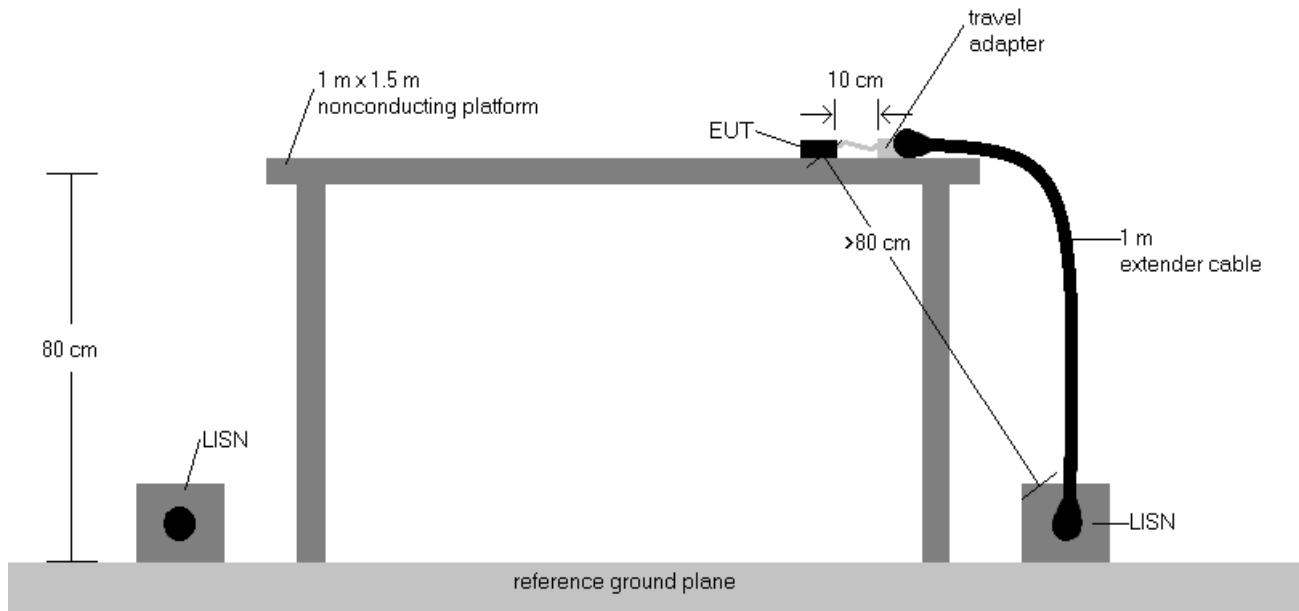
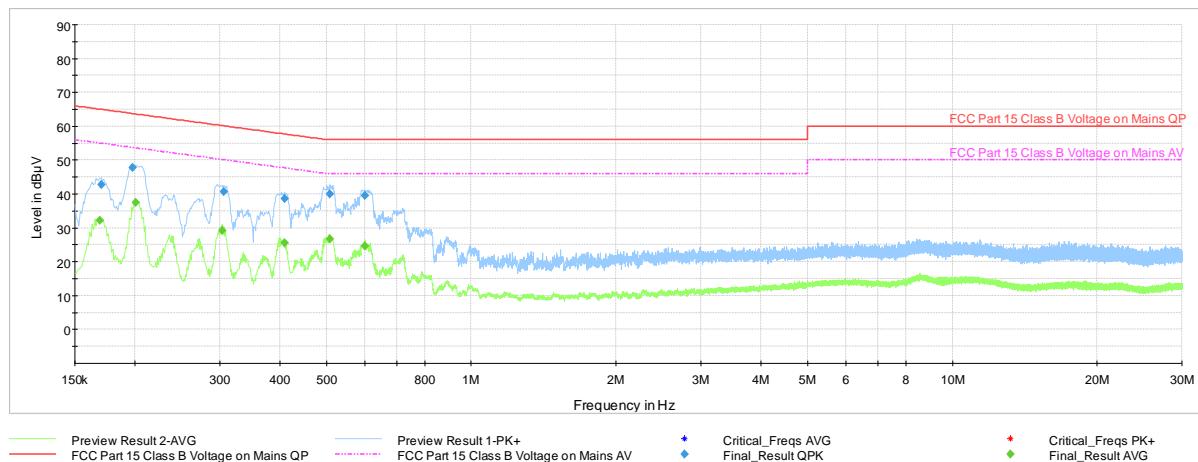


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported using mid channel. The emissions found were not affected by the choice of channel used during testing.
2. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
3. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
4. QP/AV Level (dB μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Corr. (dB)
5. Margin (dB) = QP/AV Limit (dB μ V) - QP/AV Level (dB μ V)
6. Traces shown in plot are made using a peak detector.
7. Deviations to the Specifications: None.

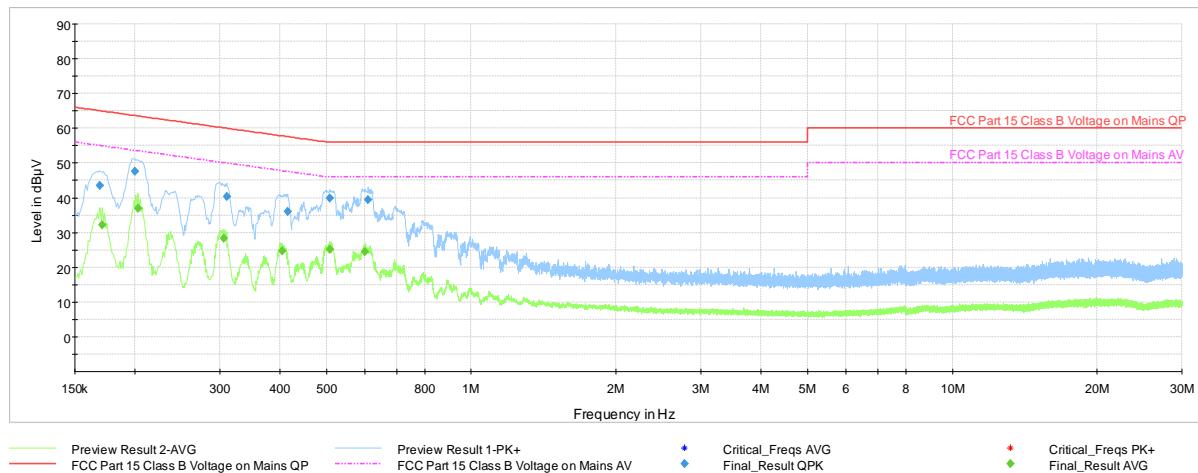
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Plot 7-277. Line Conducted Plot with 802.11n UNII Band 1 (L1)

Frequency MHz	Process State	QuasiPeak dB μ V	Average dB μ V	Limit dB μ V	Margin dB	Bandwidth kHz	Line	PE
0.169000	FINAL	—	32.29	55.01	-22.72	9.000	L1	GND
0.170000	FINAL	42.71	—	64.96	-22.25	9.000	L1	GND
0.198000	FINAL	47.72	—	63.69	-15.97	9.000	L1	GND
0.201000	FINAL	—	37.56	53.57	-16.01	9.000	L1	GND
0.304000	FINAL	—	29.29	50.13	-20.84	9.000	L1	GND
0.306000	FINAL	40.76	—	60.08	-19.32	9.000	L1	GND
0.409000	FINAL	38.64	—	57.67	-19.03	9.000	L1	GND
0.409000	FINAL	—	25.58	47.67	-22.09	9.000	L1	GND
0.509000	FINAL	40.11	—	56.00	-15.89	9.000	L1	GND
0.509000	FINAL	—	26.77	46.00	-19.23	9.000	L1	GND
0.600000	FINAL	39.47	—	56.00	-16.53	9.000	L1	GND
0.601000	FINAL	—	24.74	46.00	-21.26	9.000	L1	GND

Plot 7-278. Line Conducted Table with 802.11n UNII Band 1 (L1)

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Plot 7-279. Line Conducted Plot with 802.11n UNII Band 1 (N)

Frequency MHz	Process State	QuasiPeak dB μ V	Average dB μ V	Limit dB μ V	Margin dB	Bandwidth kHz	Line	PE
0.169000	FINAL	43.49	—	65.01	-21.52	9.000	N	GND
0.171000	FINAL	—	32.18	54.91	-22.73	9.000	N	GND
0.200000	FINAL	47.53	—	63.61	-16.08	9.000	N	GND
0.203000	FINAL	—	36.83	53.49	-16.66	9.000	N	GND
0.306000	FINAL	—	28.23	50.08	-21.85	9.000	N	GND
0.310000	FINAL	40.39	—	59.97	-19.58	9.000	N	GND
0.404000	FINAL	—	24.75	47.77	-23.02	9.000	N	GND
0.416000	FINAL	36.13	—	57.53	-21.40	9.000	N	GND
0.509000	FINAL	39.79	—	56.00	-16.21	9.000	N	GND
0.509000	FINAL	—	25.12	46.00	-20.88	9.000	N	GND
0.601000	FINAL	—	24.56	46.00	-21.44	9.000	N	GND
0.611000	FINAL	39.34	—	56.00	-16.66	9.000	N	GND

Plot 7-280. Line Conducted Table with 802.11n UNII Band 1 (N)

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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2013** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

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