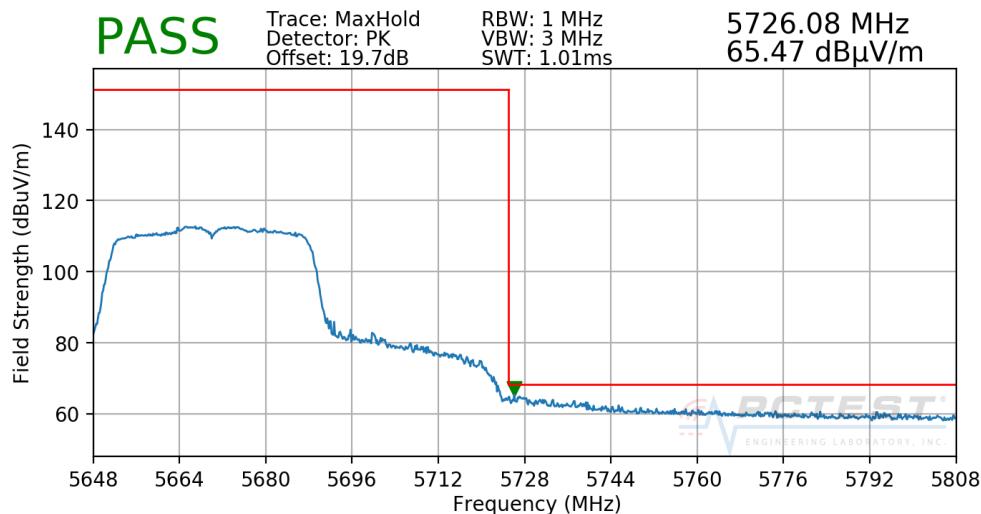
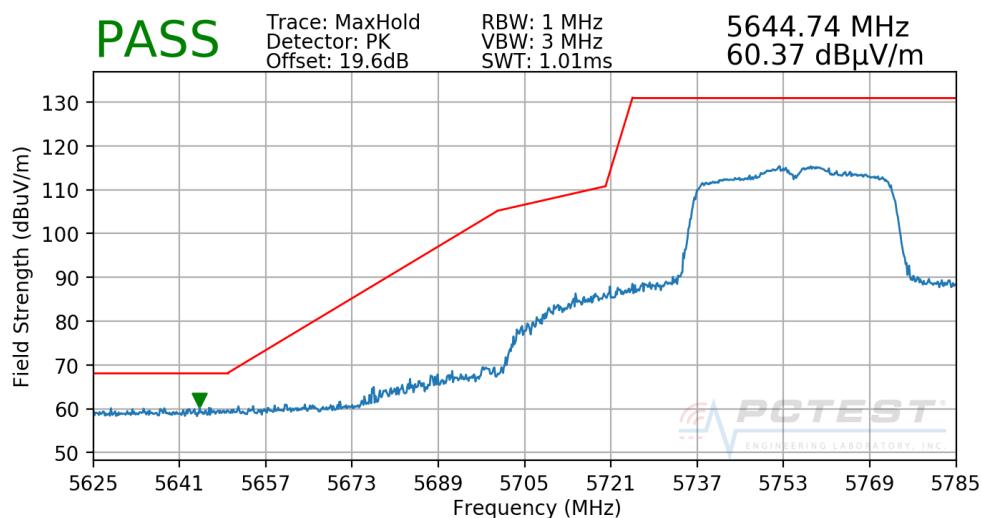


Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5670MHz  
 Channel: 134



**Plot 7-246. Radiated Upper Band Edge Plot SISO CORE1 (Peak - UNII Band 2C)**

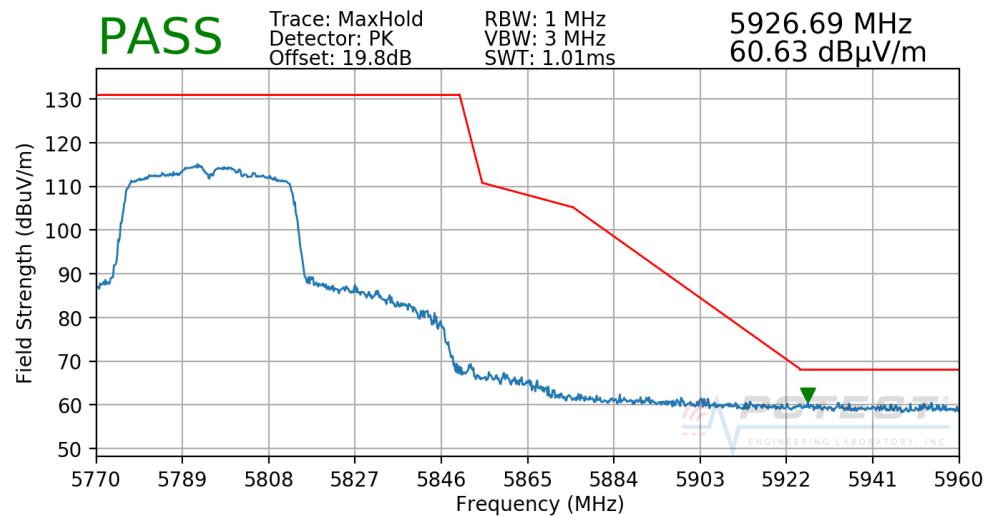
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5755MHz  
 Channel: 151



**Plot 7-247. Radiated Lower Band Edge Plot SISO CORE1 (Peak – UNII Band 3)**

FCC ID: BCGA2229	<b>PCTEST</b> MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 178 of 205	

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



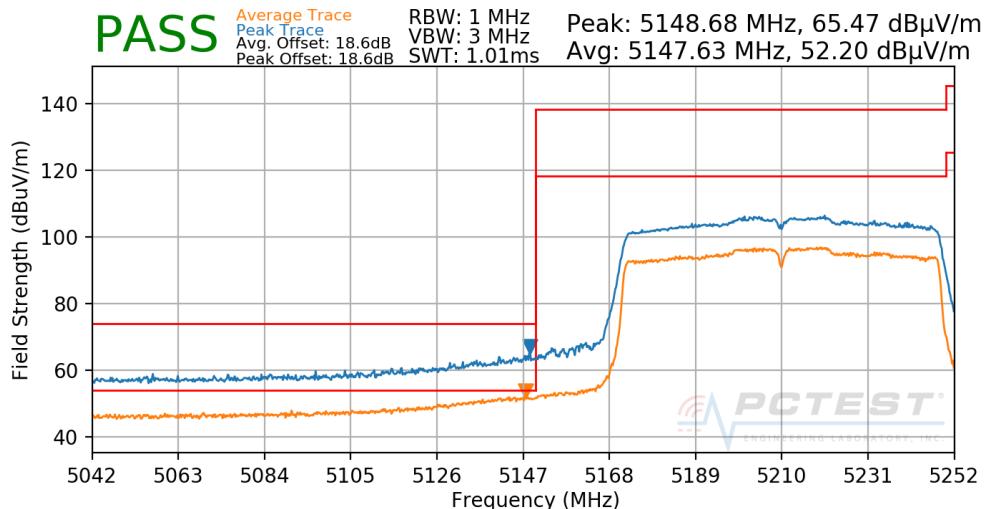
**Plot 7-248. Radiated Upper Band Edge Plot SISO CORE1 (Peak – UNII Band 3)**

FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 179 of 205

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

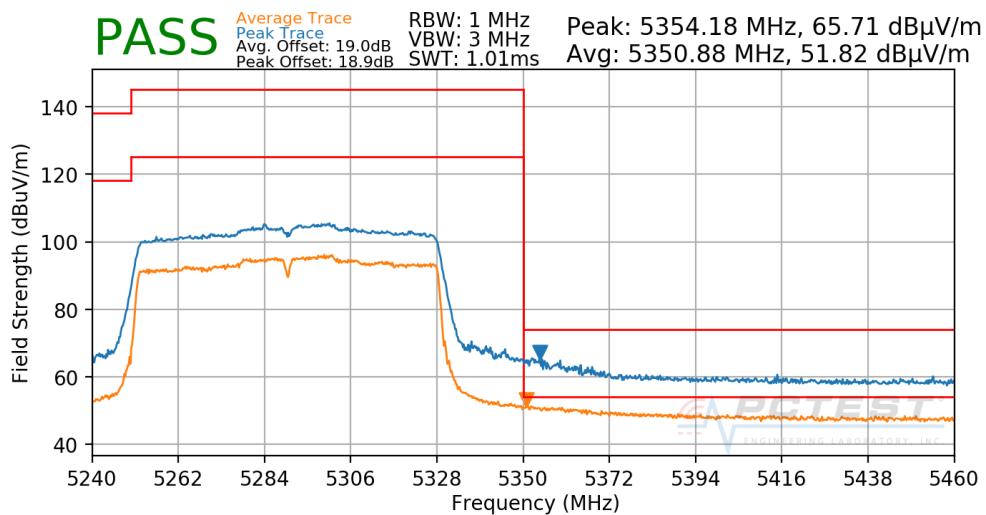
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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



**Plot 7-249. 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

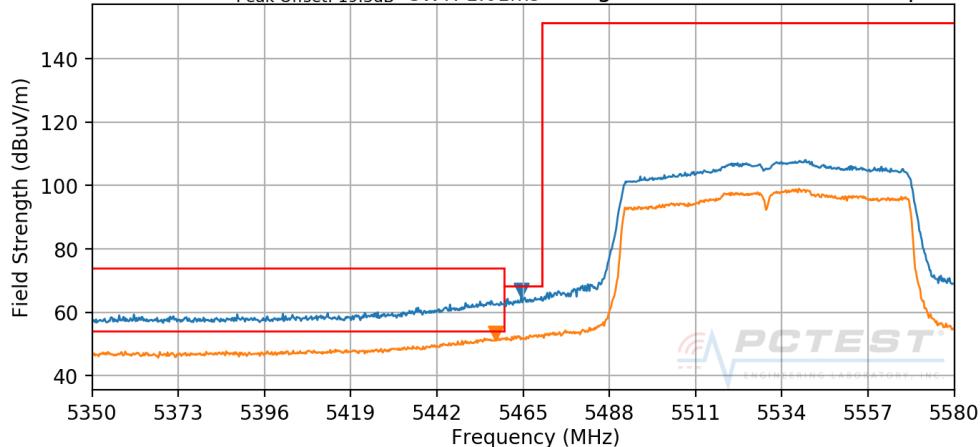


**Plot 7-250. Radiated Upper Band Edge Plot SISO CORE1 (UNII Band 2A)**

FCC ID: BCGA2229	<b>PCTEST</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device		Page 180 of 205

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

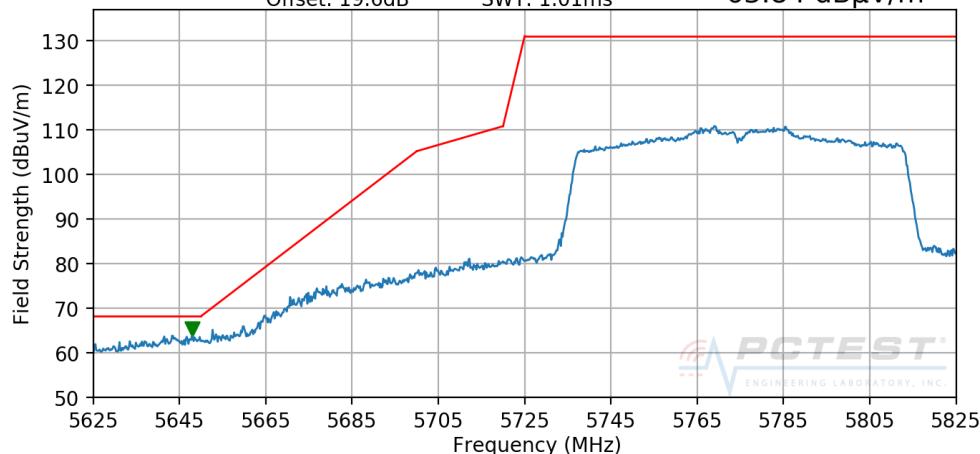
**PASS** Average Trace RBW: 1 MHz  
 Peak Trace Peak: 5464.54 MHz, 65.48 dB $\mu$ V/m  
 Avg, Offset: 19.4dB VBW: 3 MHz  
 Peak Offset: 19.3dB SWT: 1.01ms  
 Avg: 5457.65 MHz, 51.92 dB $\mu$ V/m



**Plot 7-251. 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

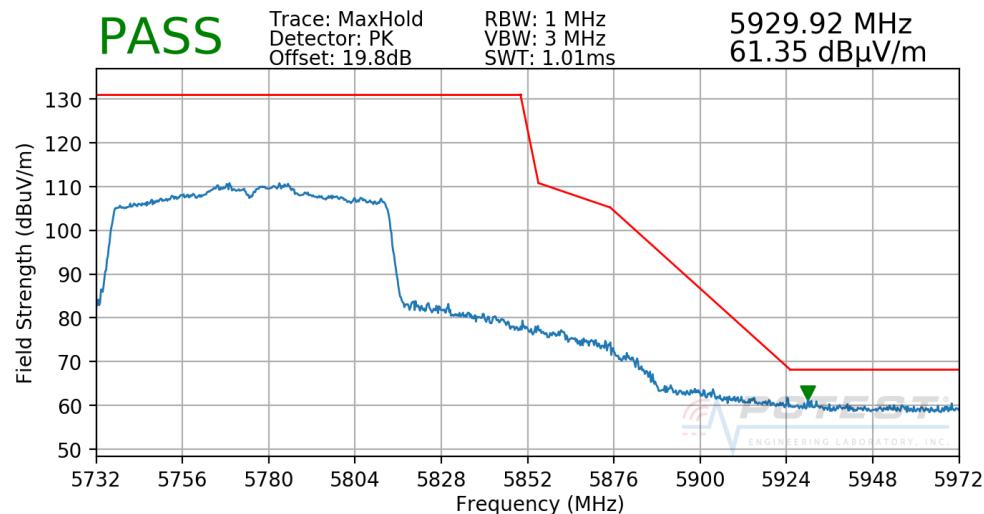
**PASS** Trace: MaxHold  
 Detector: PK  
 Offset: 19.6dB RBW: 1 MHz  
 VBW: 3 MHz  
 SWT: 1.01ms 5647.88 MHz  
 63.84 dB $\mu$ V/m



**Plot 7-252. Radiated Lower Band Edge Plot SISO CORE1 (Peak – UNII Band 3)**

FCC ID: BCGA2229	<b>PCTEST</b> MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 181 of 205	

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



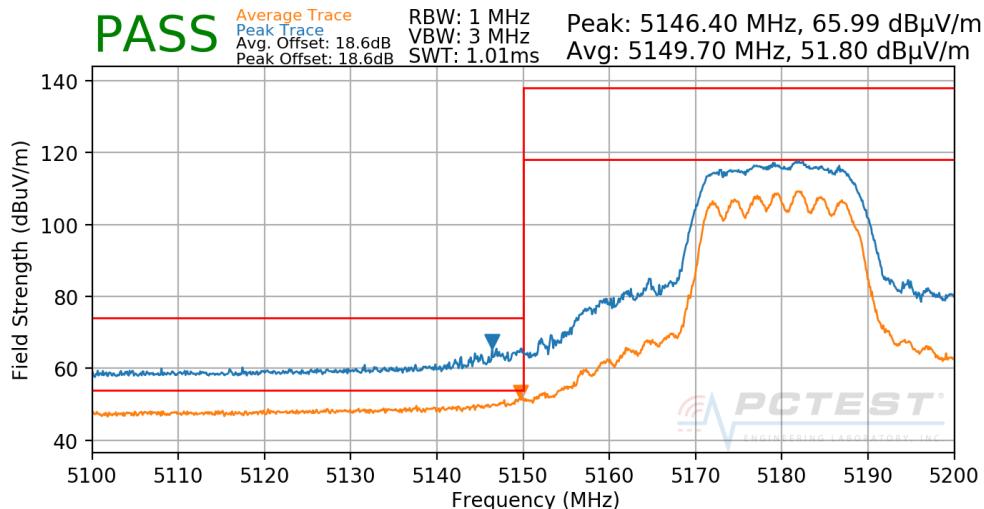
**Plot 7-253. Radiated Upper Band Edge Plot SISO CORE1 (Peak – UNII Band 3)**

FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 182 of 205

### 7.6.10 CDD/SDM Radiated Band Edge Measurements (20MHz BW)

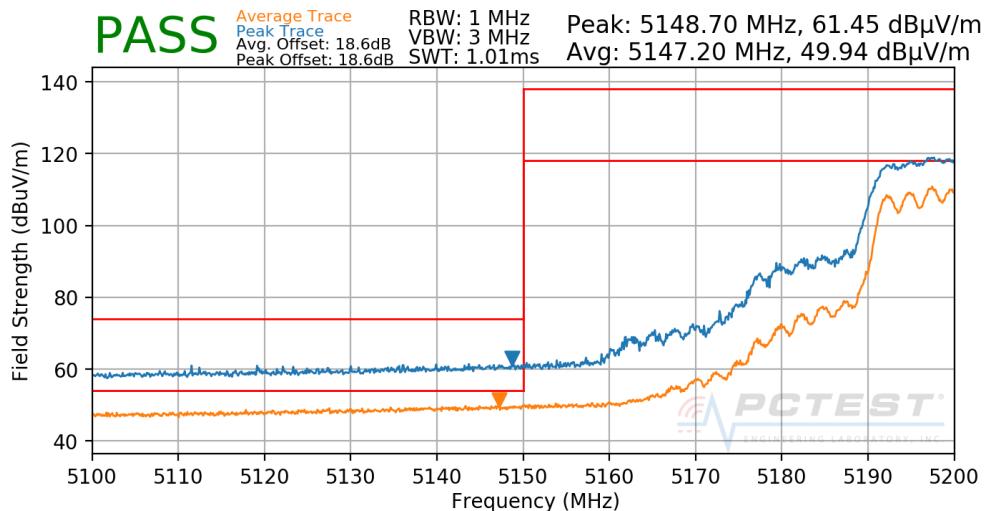
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

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



Plot 7-254. Radiated Lower Band Edge Plot CDD (UNII Band 1)

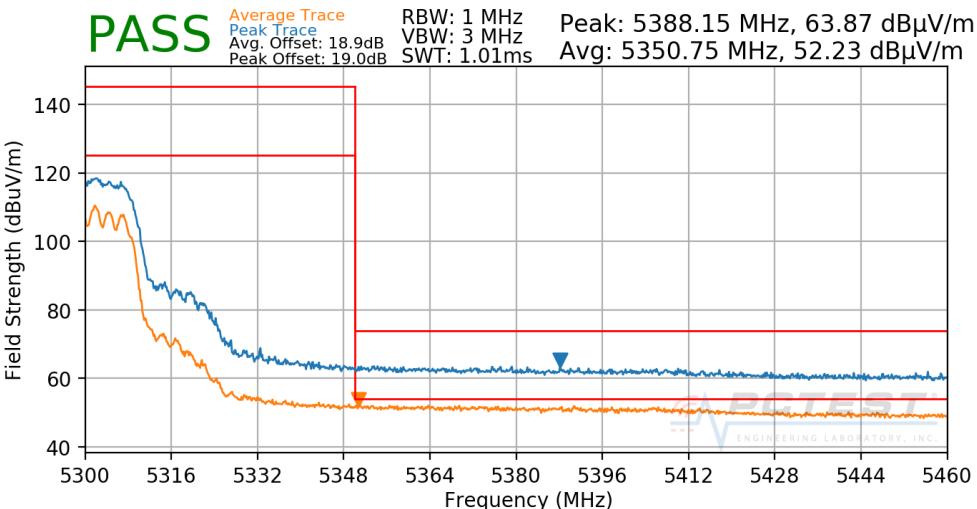
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz  
 Channel: 40



Plot 7-255. Radiated Lower Band Edge Plot CDD (UNII Band 1)

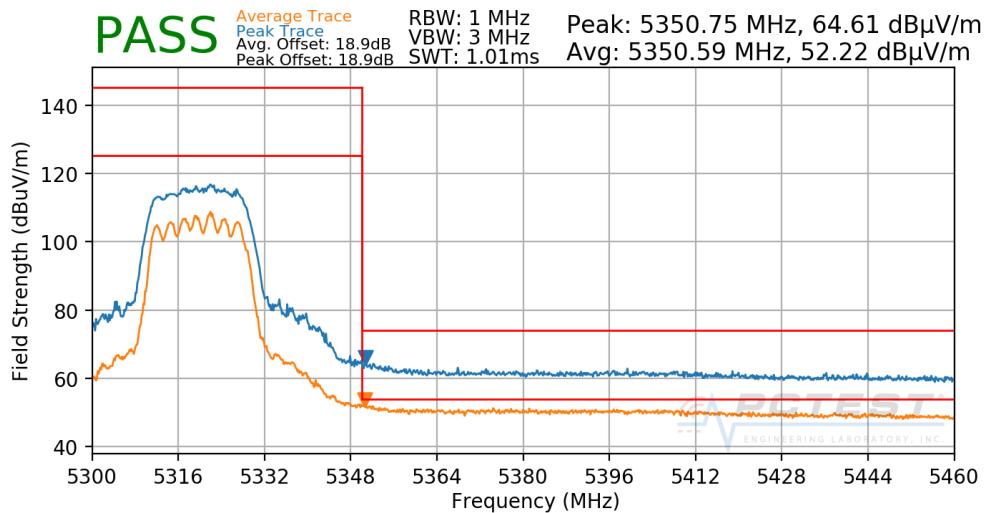
FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 183 of 205

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS8  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5300MHz  
 Channel: 60



**Plot 7-256. Radiated Upper Band Edge Plot SDM (UNII Band 2A)**

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

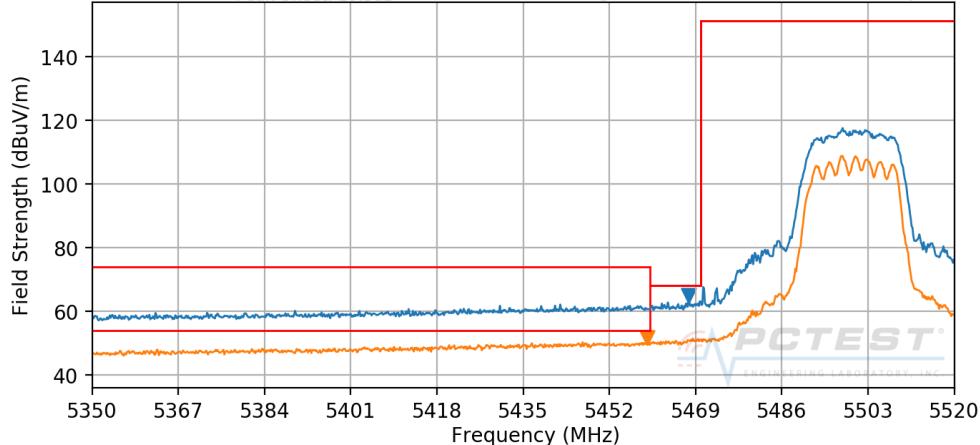


**Plot 7-257. Radiated Upper Band Edge Plot CDD (UNII Band 2A)**

FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 184 of 205	

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

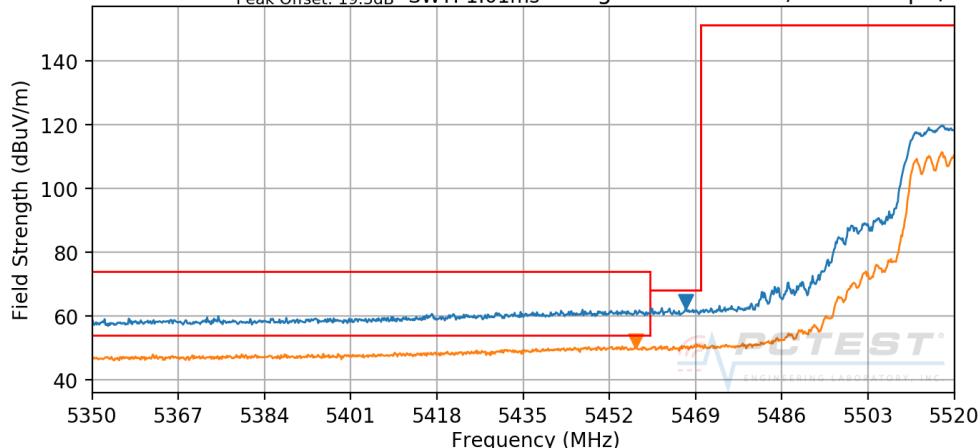
**PASS**      Average Trace      RBW: 1 MHz      Peak: 5467.61 MHz, 63.52 dB $\mu$ V/m  
 Peak Trace      VBW: 3 MHz      Avg: 5459.46 MHz, 50.31 dB $\mu$ V/m  
 Avg, Offset: 19.3dB      SWT: 1.01ms



**Plot 7-258. 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

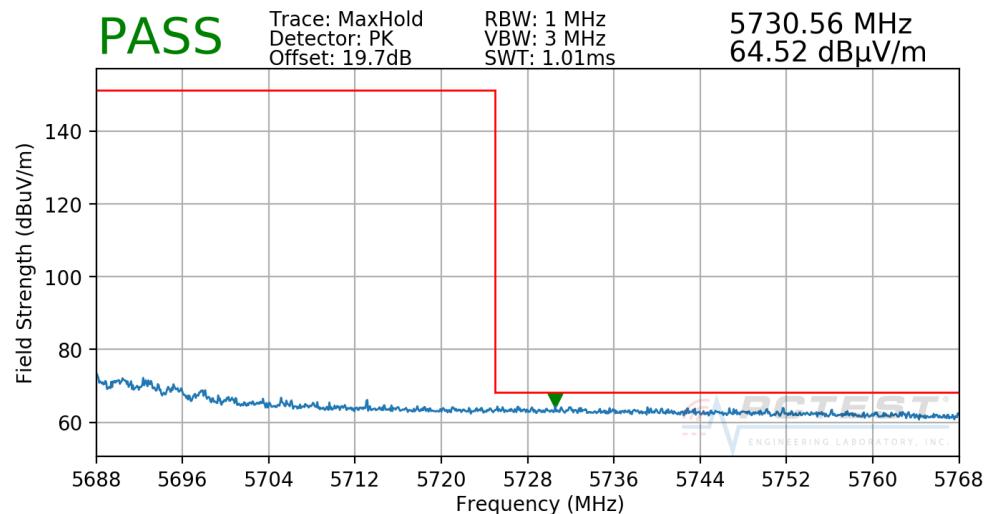
**PASS**      Average Trace      RBW: 1 MHz      Peak: 5467.10 MHz, 63.02 dB $\mu$ V/m  
 Peak Trace      VBW: 3 MHz      Avg: 5457.25 MHz, 50.74 dB $\mu$ V/m  
 Avg, Offset: 19.3dB      SWT: 1.01ms



**Plot 7-259. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 2C)**

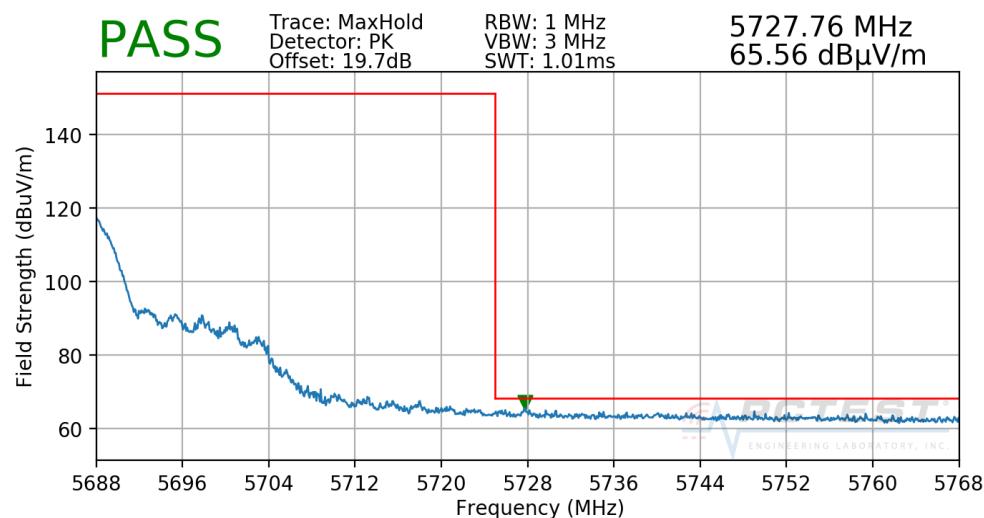
FCC ID: BCGA2229	 <b>PCTEST</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device		Page 185 of 205

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



**Plot 7-260. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 2C)**

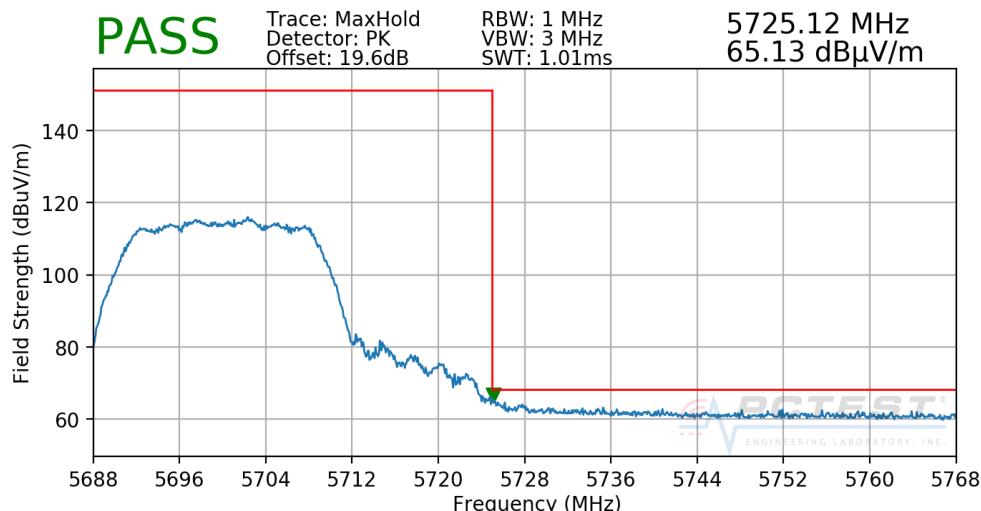
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5680MHz  
 Channel: 136



**Plot 7-261. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 2C)**

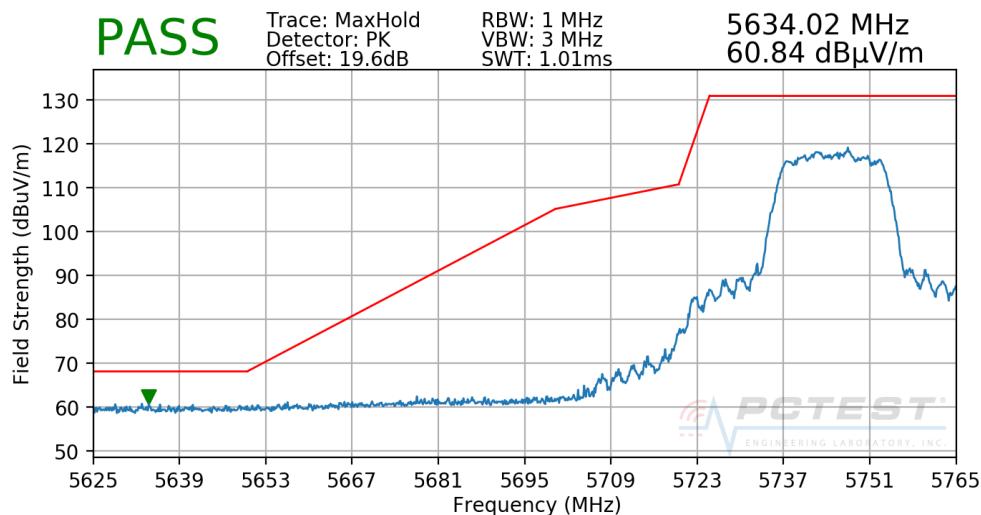
FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device		Page 186 of 205

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



**Plot 7-262. 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

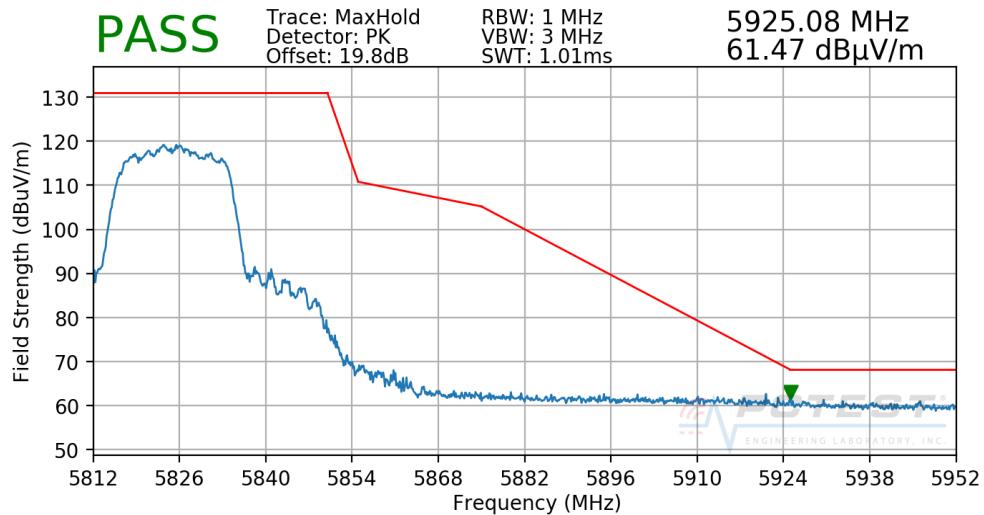


**Plot 7-263. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 3)**

FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 187 of 205	



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



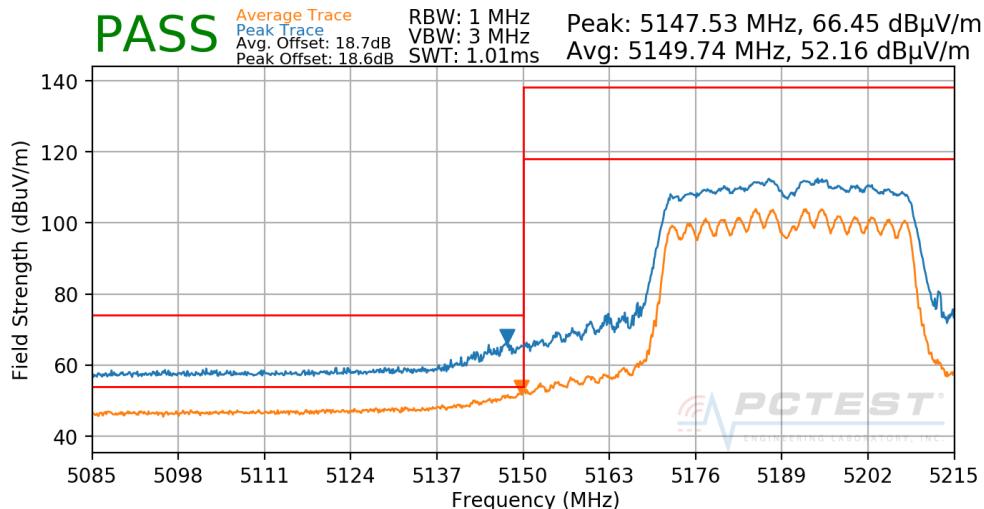
**Plot 7-264. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 3)**

FCC ID: BCGA2229	<b>PCTEST</b> MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 188 of 205

### 7.6.11 CDD Radiated Band Edge Measurements (40MHz BW)

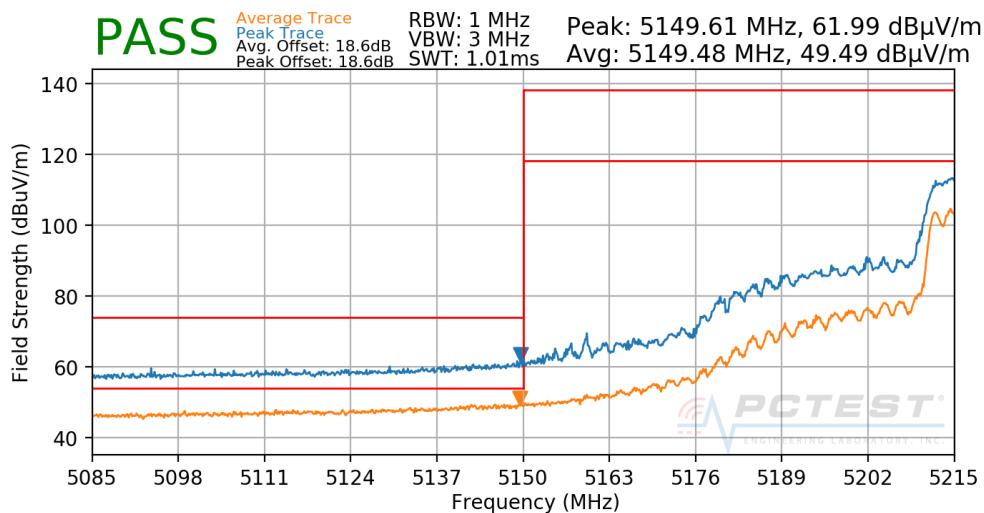
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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



Plot 7-265. Radiated Lower Band Edge Plot CDD (UNII Band 1)

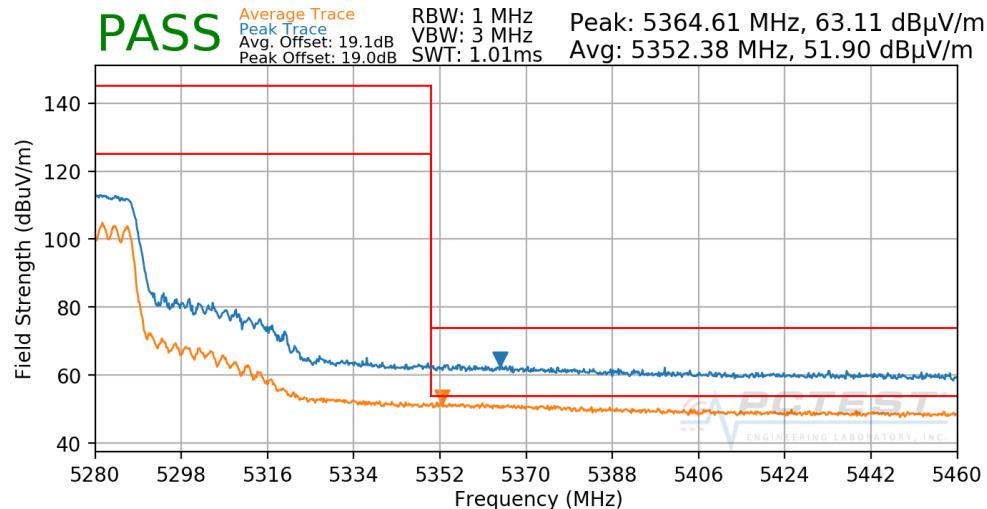
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5230MHz  
 Channel: 46



Plot 7-266. Radiated Lower Band Edge Plot CDD (UNII Band 1)

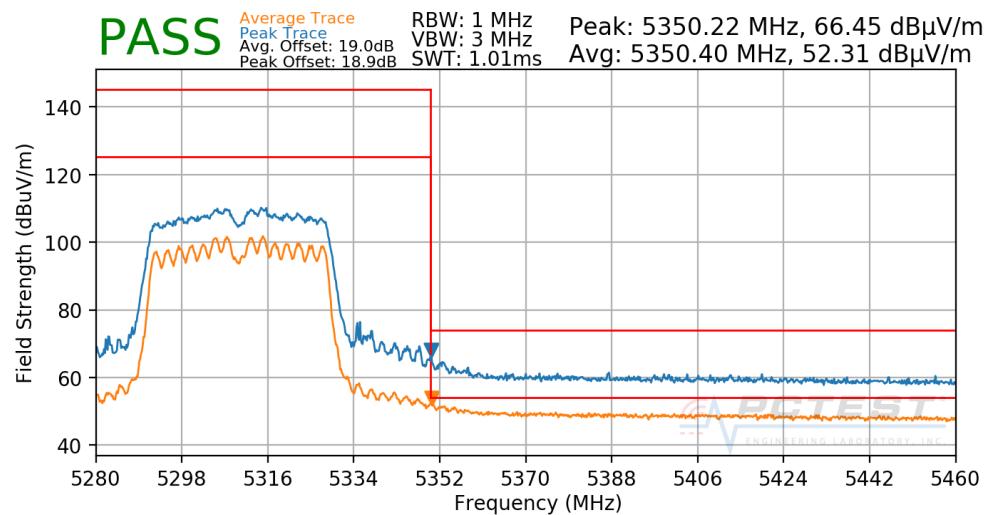
FCC ID: BCGA2229	 <b>PCTEST</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device		Page 189 of 205

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



**Plot 7-267. 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

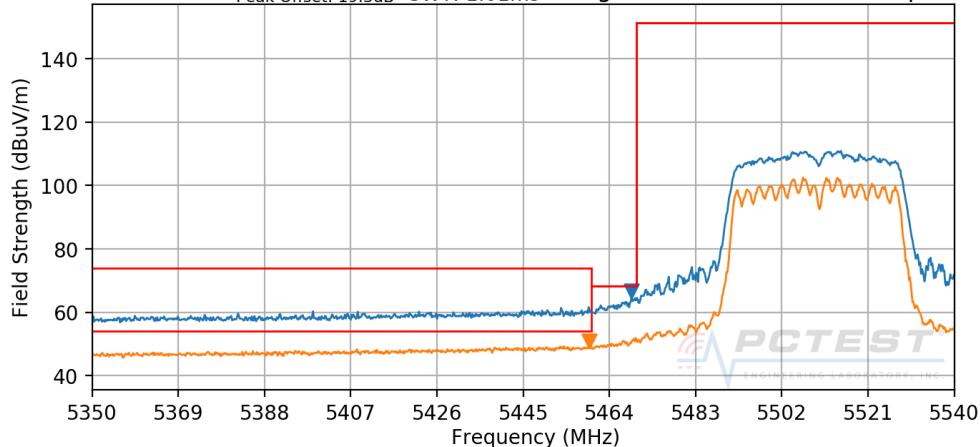


**Plot 7-268. Radiated Upper Band Edge Plot CDD (UNII Band 2A)**

FCC ID: BCGA2229	 <b>PCTEST</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 190 of 205

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

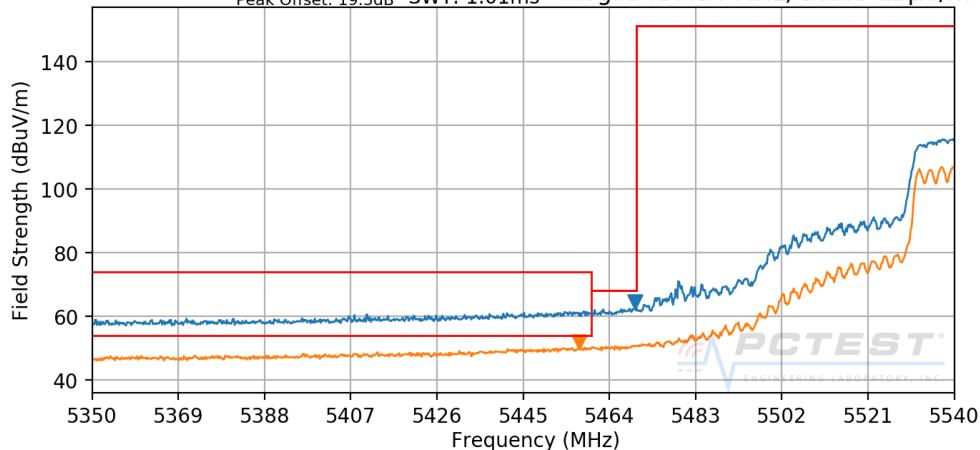
**PASS** Average Trace RBW: 1 MHz Peak: 5468.92 MHz, 65.11 dB $\mu$ V/m  
 Peak Trace Avg, Offset: 19.3dB VBW: 3 MHz Avg: 5459.62 MHz, 49.40 dB $\mu$ V/m  
 Peak Offset: 19.3dB SWT: 1.01ms



Plot 7-269. 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

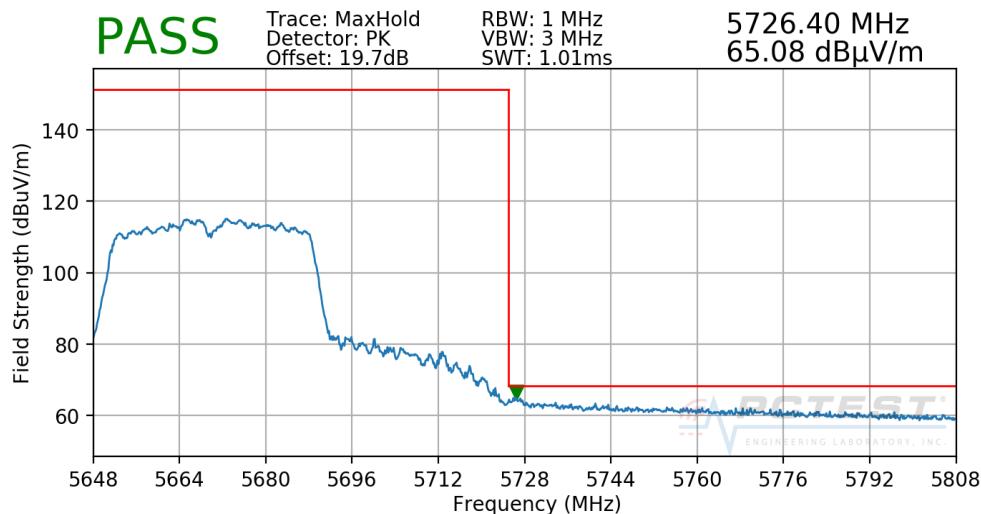
**PASS** Average Trace RBW: 1 MHz Peak: 5469.68 MHz, 62.91 dB $\mu$ V/m  
 Peak Trace Avg, Offset: 19.3dB VBW: 3 MHz Avg: 5457.34 MHz, 50.46 dB $\mu$ V/m  
 Peak Offset: 19.3dB SWT: 1.01ms



Plot 7-270. Radiated Lower Band Edge Plot CDD (Peak - UNII Band 2C)

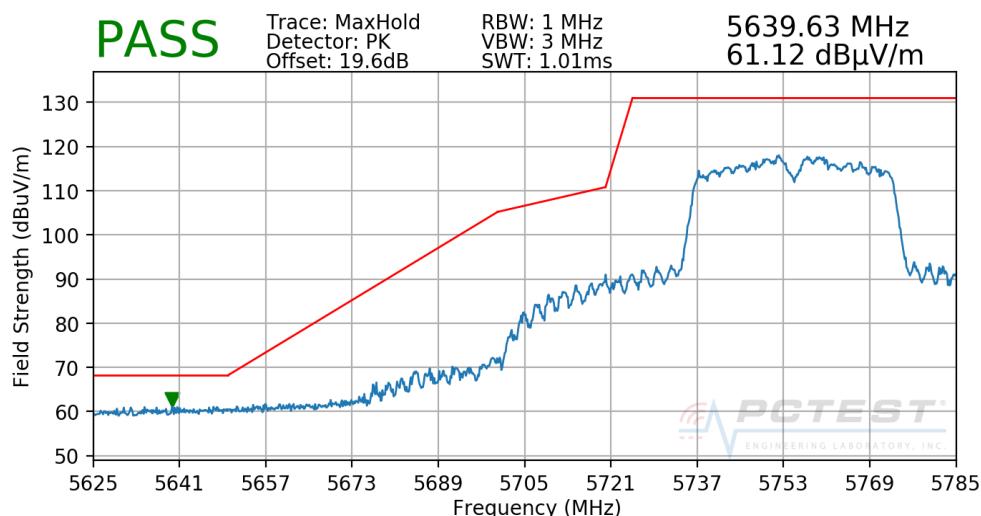
FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device		Page 191 of 205

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



**Plot 7-271. Radiated Upper Band Edge Plot CDD (Peak - UNII Band 2C)**

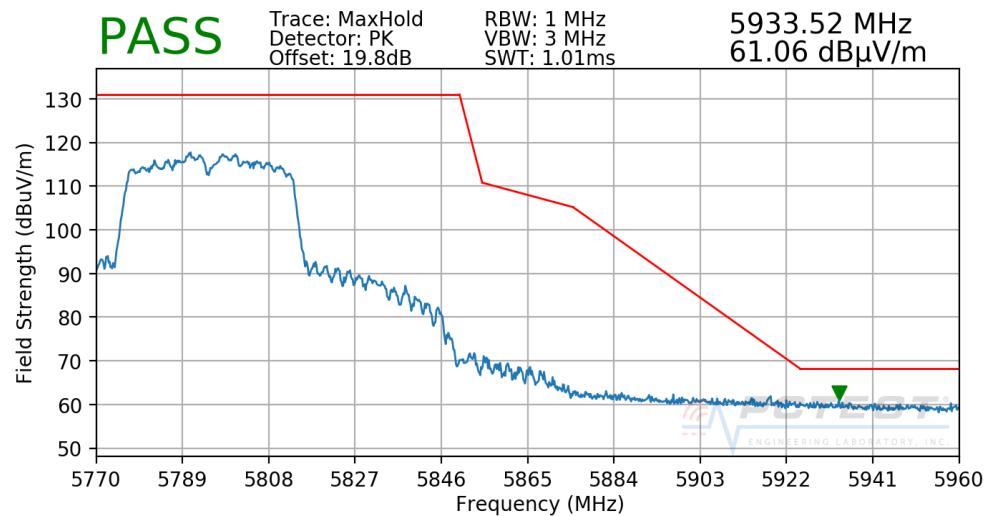
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5755MHz  
 Channel: 151



**Plot 7-272. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 3)**

FCC ID: BCGA2229	<b>PCTEST</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 192 of 205	

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



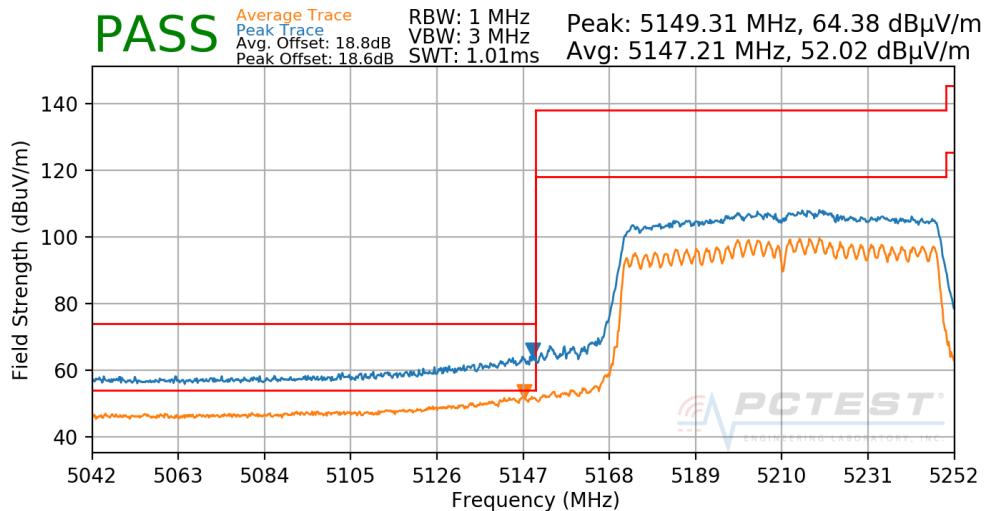
**Plot 7-273. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 3)**

FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 193 of 205

### 7.6.12 CDD Radiated Band Edge Measurements (80MHz BW)

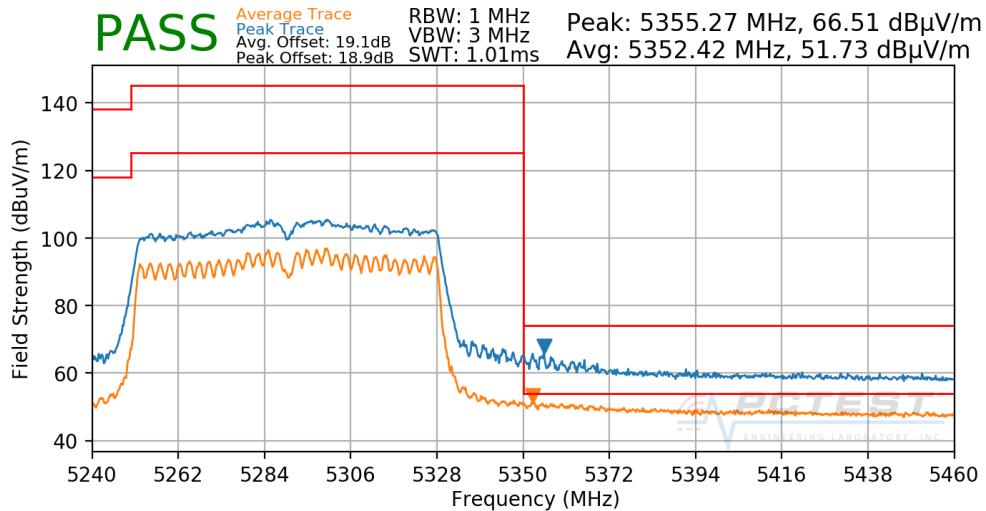
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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



**Plot 7-274. 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

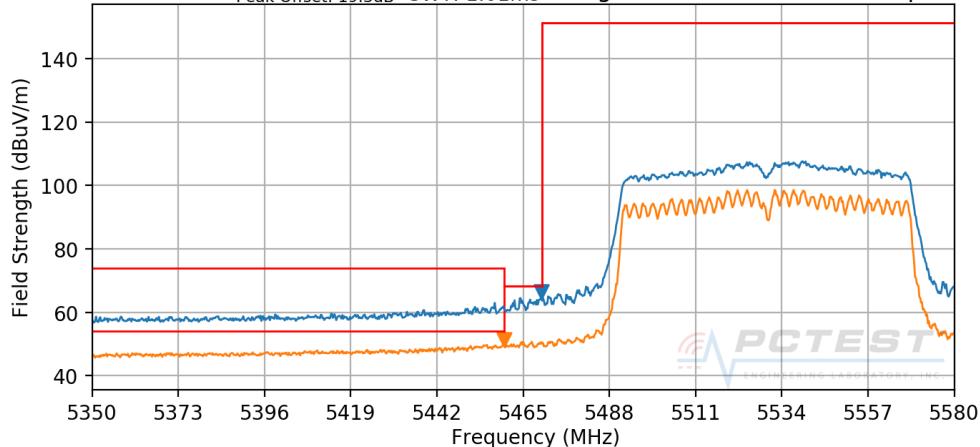


**Plot 7-275. Radiated Upper Band Edge Plot CDD (UNII Band 2A)**

FCC ID: BCGA2229	 <b>PCTEST</b>	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device		Page 194 of 205

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

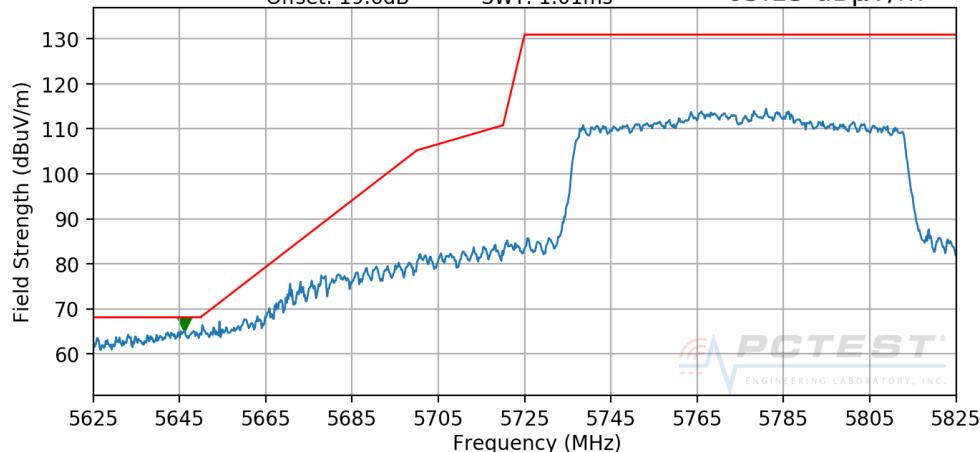
**PASS**      Average Trace      RBW: 1 MHz  
 Peak Trace      VBW: 3 MHz  
 Avg. Offset: 19.3dB      SWT: 1.01ms  
 Peak Offset: 19.3dB      Peak: 5469.83 MHz, 64.95 dB $\mu$ V/m  
 Avg: 5459.95 MHz, 49.82 dB $\mu$ V/m



**Plot 7-276. 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

**PASS**      Trace: MaxHold      RBW: 1 MHz  
 Detector: PK      VBW: 3 MHz  
 Offset: 19.6dB      SWT: 1.01ms  
 5646.08 MHz  
 65.15 dB $\mu$ V/m

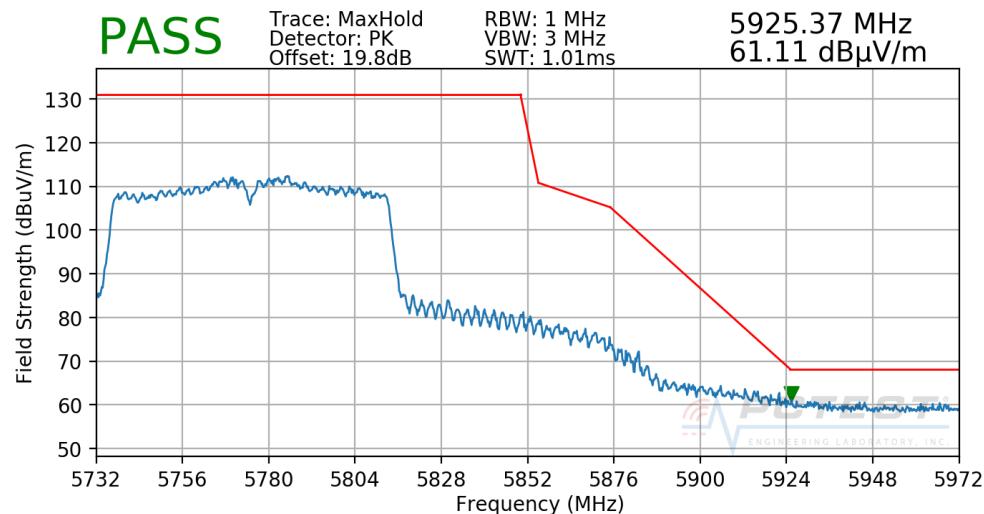


**Plot 7-277. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 3)**

FCC ID: BCGA2229	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device		Page 195 of 205



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



**Plot 7-278. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 3)**

FCC ID: BCGA2229	<b>PCTEST</b> MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1912170053-08.BCG	Test Dates: 12/10/2019 - 02/12/2020	EUT Type: Tablet Device	Page 196 of 205

## 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 [ $\mu$ 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

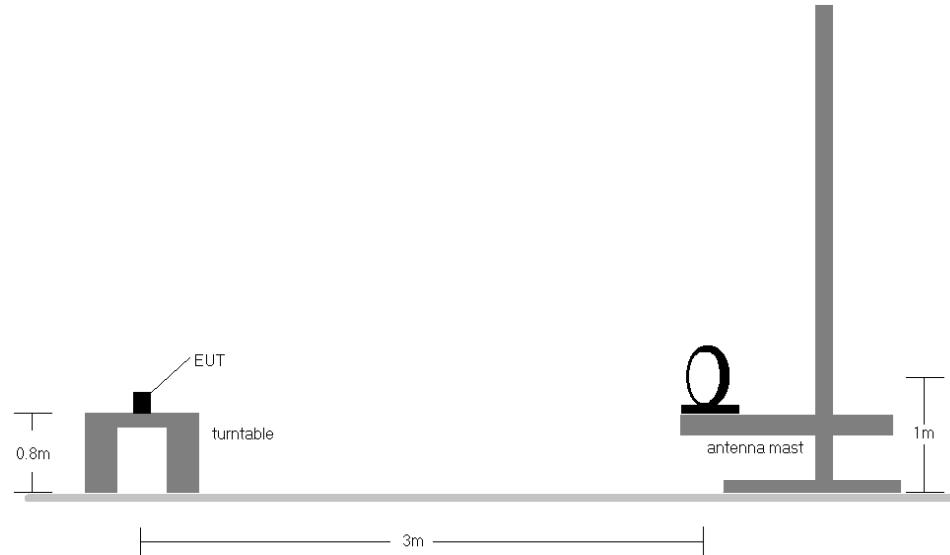
#### Quasi-Peak Field Strength Measurements

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

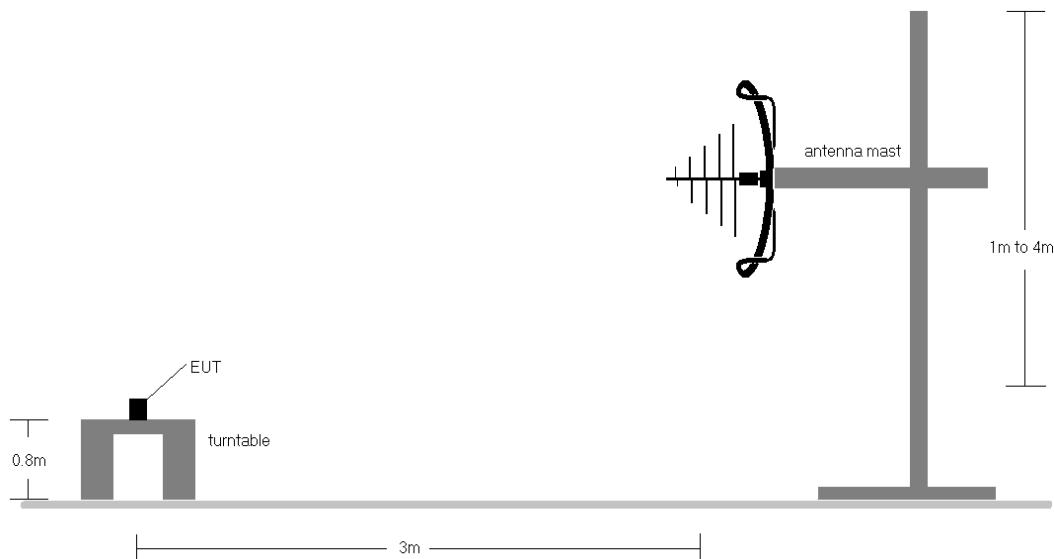
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## Test Setup

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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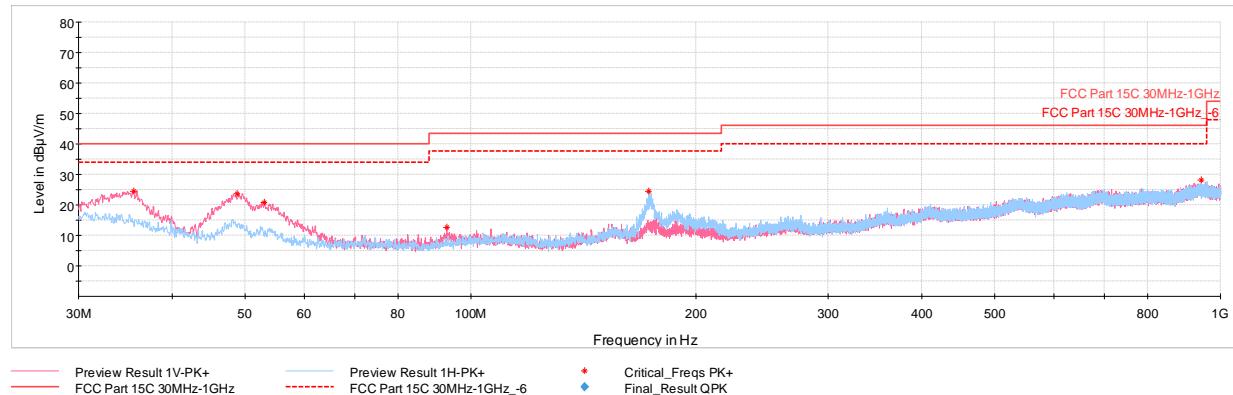
## Test Notes

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 7-279. Radiated Spurious Plot below 1GHz CDD (802.11n – U1 Ch. 36)**

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]
35.53	Max Peak	V	100	260	-67.54	-14.95	24.51	40.00	-15.49
48.87	Max Peak	V	100	347	-62.08	-21.25	23.67	40.00	-16.33
53.09	Max Peak	V	100	235	-64.58	-21.67	20.75	40.00	-19.25
92.95	Max Peak	V	100	226	-73.86	-20.54	12.60	43.52	-30.92
172.74	Max Peak	H	100	107	-65.19	-17.24	24.57	43.52	-18.96
943.79	Max Peak	V	250	310	-79.22	0.31	28.09	46.02	-17.93

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

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## 7.8 AC 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 $\mu$ 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

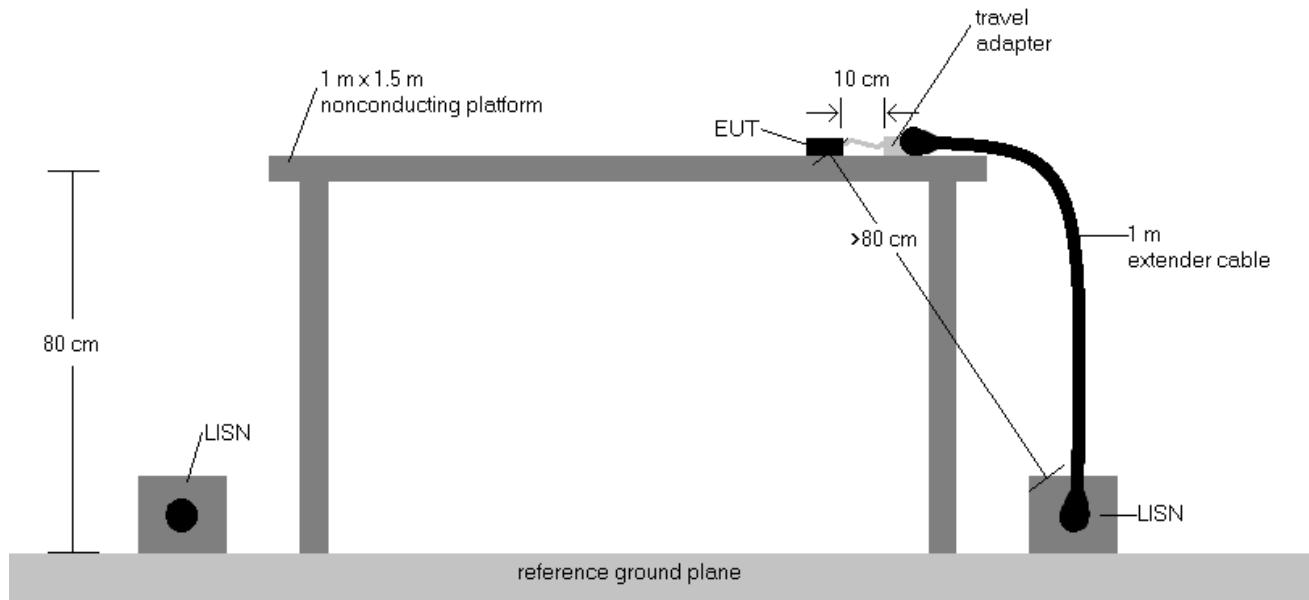
#### Average Field Strength Measurements

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.

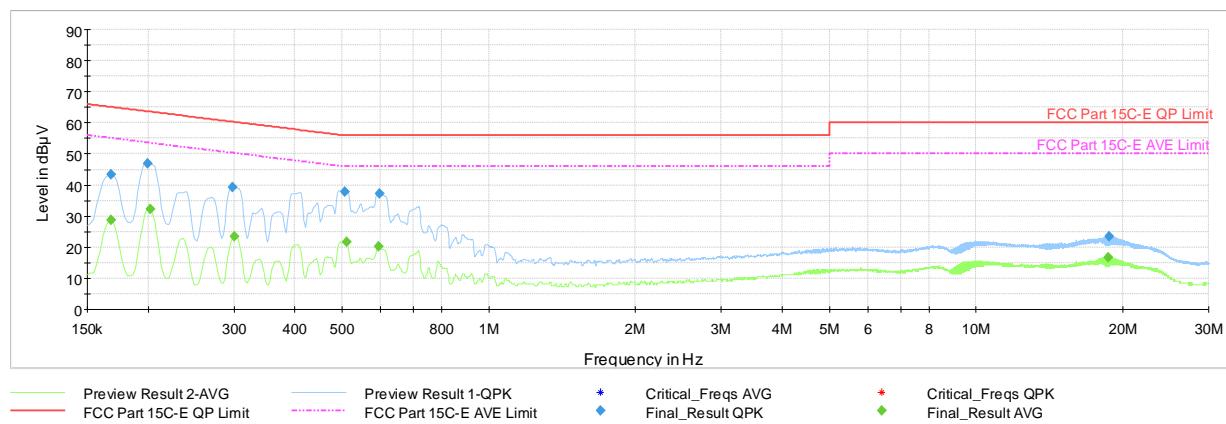


**Figure 7-8. Test Instrument & Measurement Setup**

## 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 $\mu$ V) = QP/AV Analyzer/Receiver Level (dB $\mu$ V) + Corr. (dB)
5. Margin (dB) = QP/AV Limit (dB $\mu$ V) - QP/AV Level (dB $\mu$ V)
6. Traces shown in plot are made using quasi-peak and average detectors.
7. Deviations to the Specifications: None.

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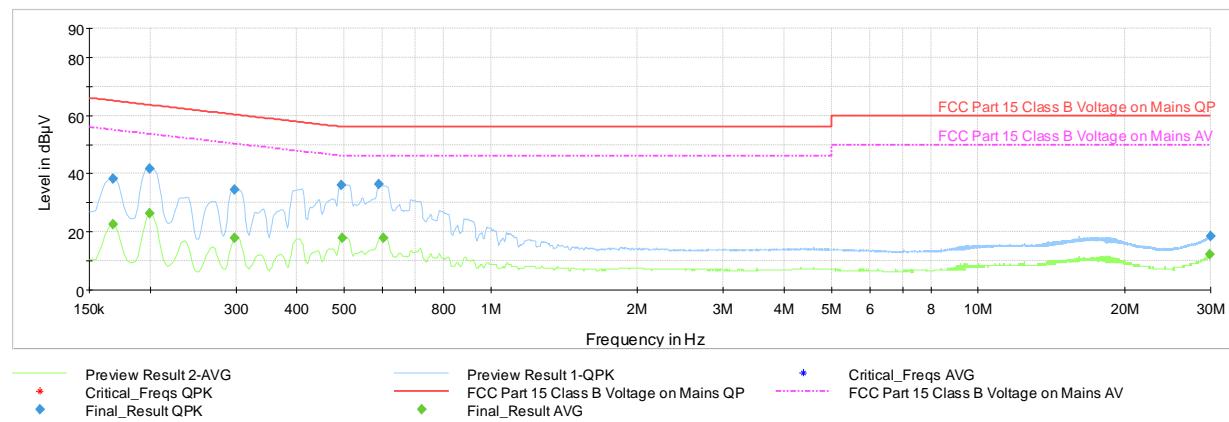


**Plot 7-280. Line Conducted Plot with 802.11n UNII Band 1 (L1)**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.168	FINAL	—	28.81	55.06	-26.25	L1	GND
0.168	FINAL	43.31	—	65.06	-21.75	L1	GND
0.200	FINAL	47.00	—	63.63	-16.63	L1	GND
0.202	FINAL	—	32.28	53.54	-21.26	L1	GND
0.299	FINAL	39.19	—	60.28	-21.10	L1	GND
0.301	FINAL	—	23.52	50.22	-26.70	L1	GND
0.506	FINAL	37.88	—	56.00	-18.12	L1	GND
0.510	FINAL	—	21.57	46.00	-24.44	L1	GND
0.593	FINAL	—	20.11	46.00	-25.89	L1	GND
0.596	FINAL	37.17	—	56.00	-18.83	L1	GND
18.634	FINAL	—	16.60	50.00	-33.40	L1	GND
18.740	FINAL	23.33	—	60.00	-36.67	L1	GND

**Table 7-75. Line Conducted Table with 802.11n UNII Band 1 (L1)**

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**Plot 7-281. Line Conducted Plot with 802.11n UNII Band 1 (N)**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.168	FINAL	—	22.70	55.06	-32.36	N	GND
0.168	FINAL	38.37	—	65.06	-26.68	N	GND
0.200	FINAL	—	26.27	53.63	-27.36	N	GND
0.200	FINAL	41.61	—	63.63	-22.02	N	GND
0.299	FINAL	—	18.03	50.28	-32.25	N	GND
0.299	FINAL	34.51	—	60.28	-25.77	N	GND
0.494	FINAL	36.14	—	56.10	-19.96	N	GND
0.497	FINAL	—	17.87	46.06	-28.19	N	GND
0.589	FINAL	36.28	—	56.00	-19.72	N	GND
0.602	FINAL	—	17.96	46.00	-28.04	N	GND
29.848	FINAL	—	12.11	50.00	-37.89	N	GND
29.985	FINAL	18.45	—	60.00	-41.55	N	GND

**Table 7-76. 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: BCGA2229** 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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