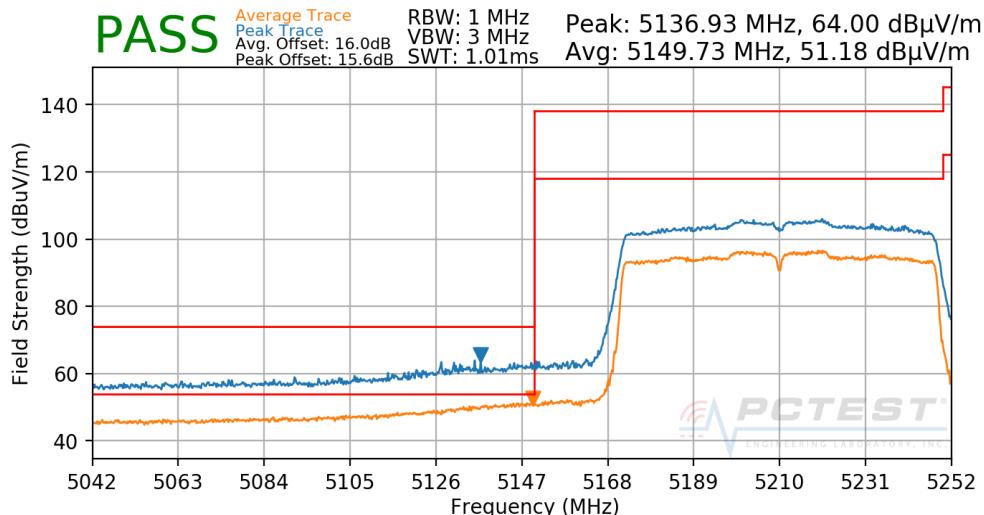


### 7.6.10 SISO CORE 1 Radiated Band Edge Measurements (80MHz BW)

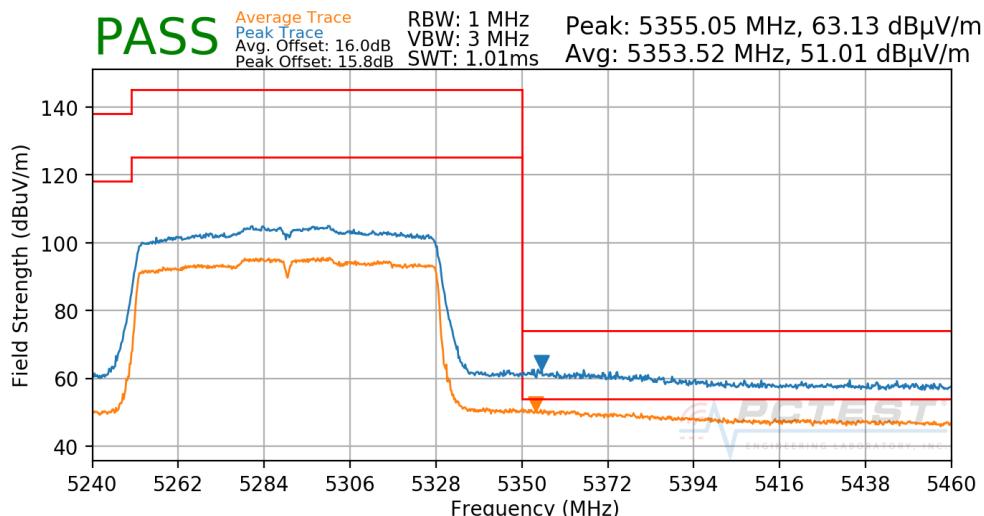
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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



**Plot 7-241. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 1)**

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

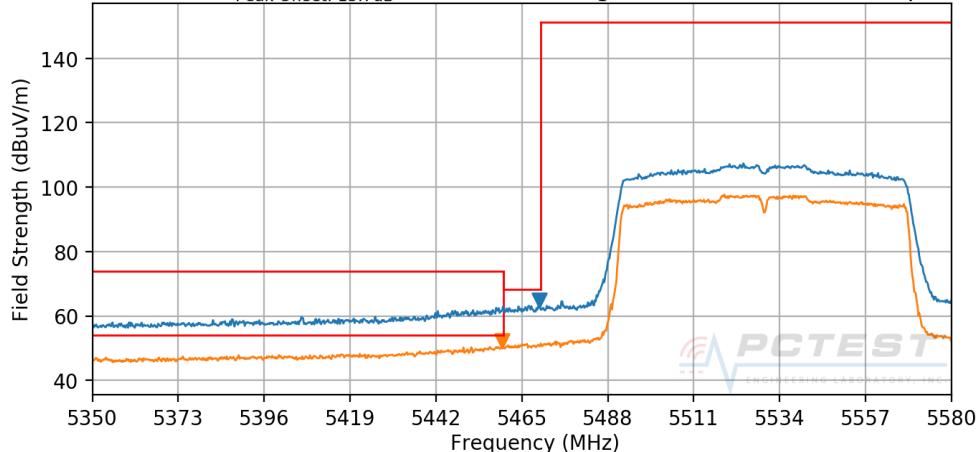


**Plot 7-242. Radiated Upper Band Edge Plot SISO CORE 1 (UNII Band 2A)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device		Page 175 of 200

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

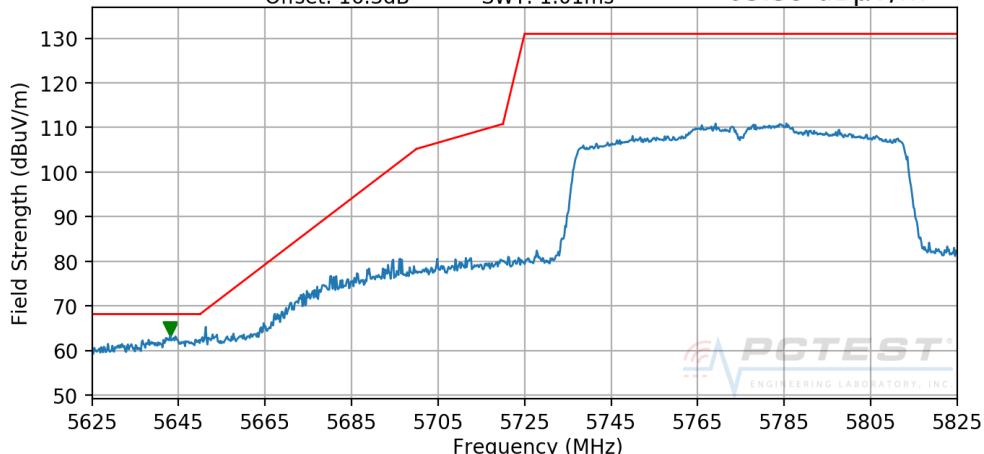
**PASS** Average Trace Peak Trace RBW: 1 MHz  
Avg. Offset: 15.9dB VBW: 3 MHz  
Peak: 5469.60 MHz, 63.32 dB $\mu$ V/m  
Peak Offset: 15.7dB SWT: 1.01ms  
Avg: 5459.72 MHz, 50.82 dB $\mu$ V/m



**Plot 7-243. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 2C)**

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

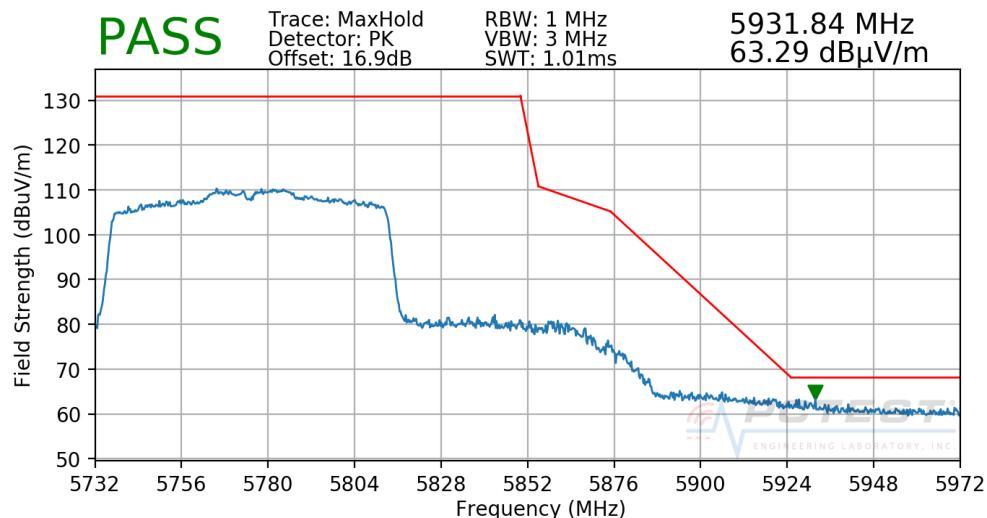
**PASS** Trace: MaxHold  
Detector: PK  
Offset: 16.3dB RBW: 1 MHz  
VBW: 3 MHz SWT: 1.01ms  
5643.08 MHz  
63.39 dB $\mu$ V/m



**Plot 7-244. Radiated Lower Band Edge Plot SISO CORE 1 (Peak – UNII Band 3)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 176 of 200	

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



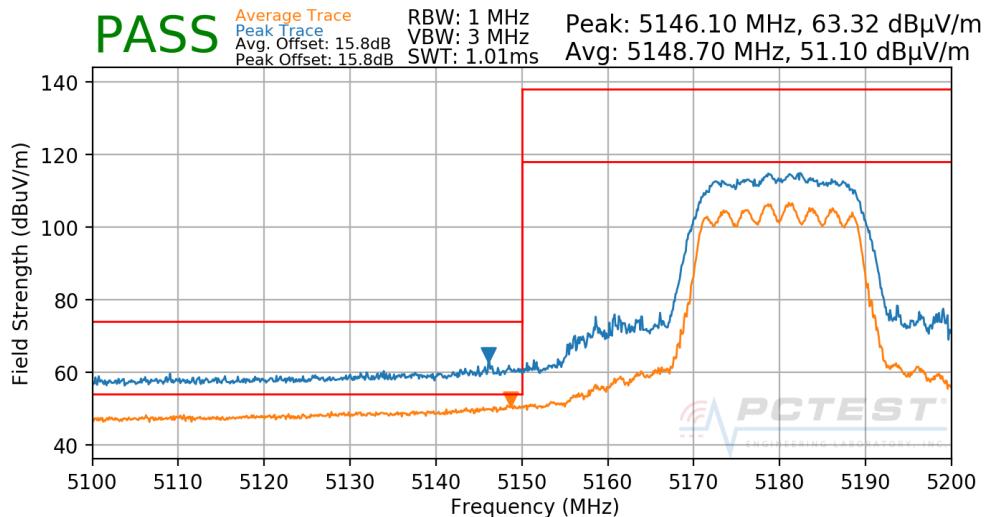
**Plot 7-245. Radiated Upper Band Edge Plot SISO CORE 1 (Peak – UNII Band 3)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 177 of 200

### 7.6.11 MIMO/CDD Radiated Band Edge Measurements (20MHz BW)

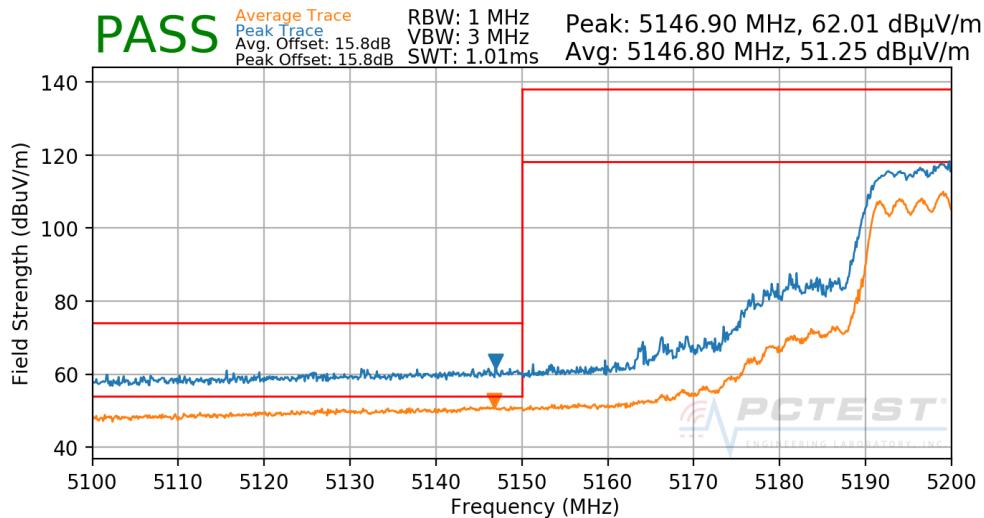
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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



Plot 7-246. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 1)

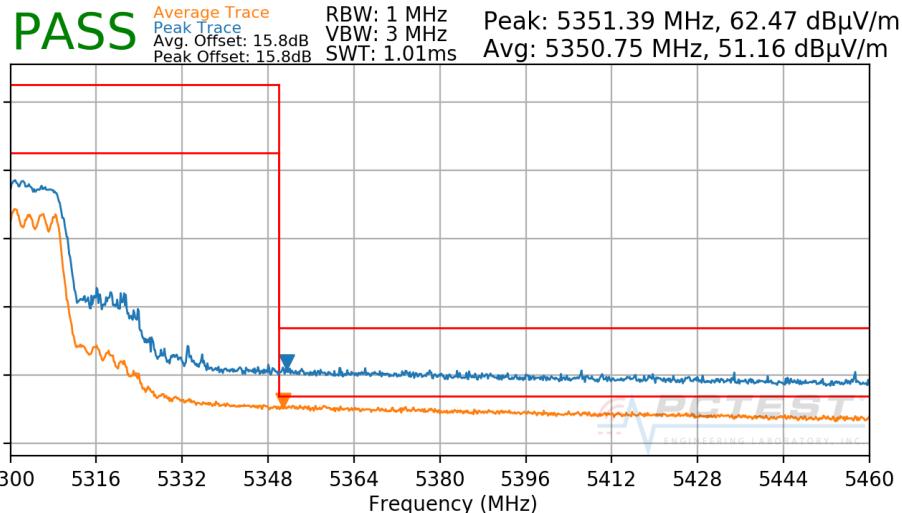
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz  
 Channel: 40



Plot 7-247. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 1)

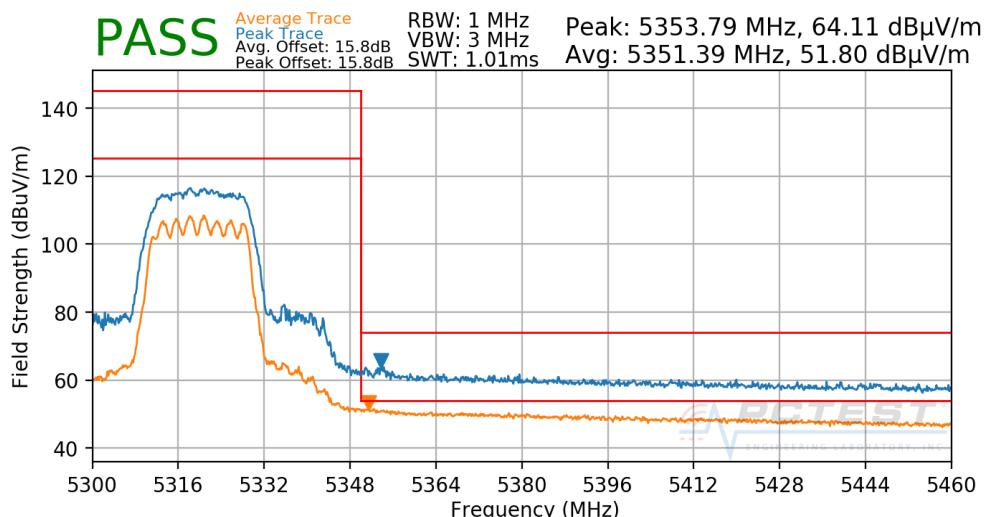
FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 178 of 200

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



**Plot 7-248. Radiated Upper Band Edge Plot MIMO/CDD (UNII Band 2A)**

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

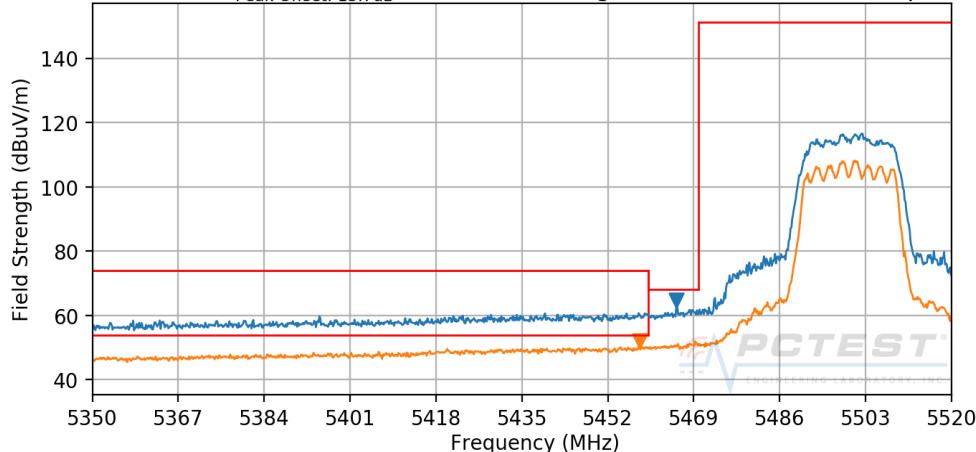


**Plot 7-249. Radiated Upper Band Edge Plot MIMO/CDD (UNII Band 2A)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device		Page 179 of 200

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

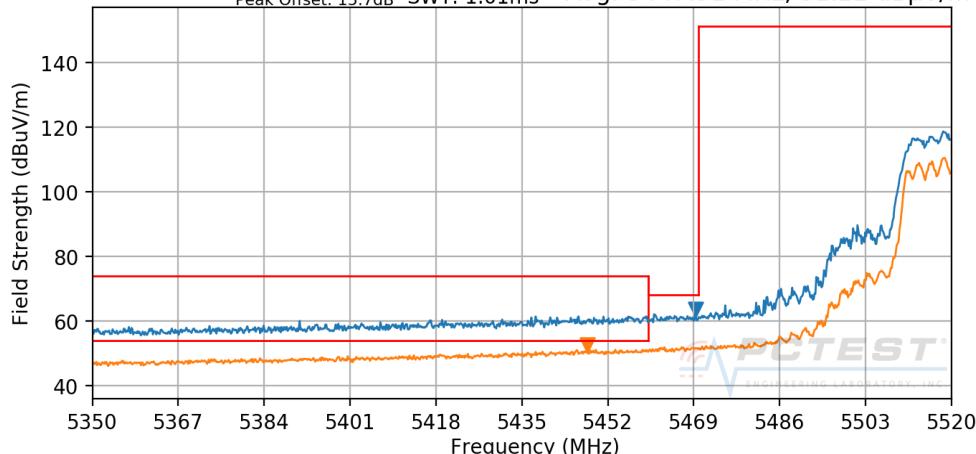
**PASS** Average Trace  
Peak Trace  
Avg. Offset: 15.7dB  
Peak Offset: 15.7dB RBW: 1 MHz  
VBW: 3 MHz  
SWT: 1.01ms Peak: 5465.57 MHz, 63.20 dB $\mu$ V/m  
Avg: 5458.27 MHz, 50.55 dB $\mu$ V/m



**Plot 7-250. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 2C)**

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

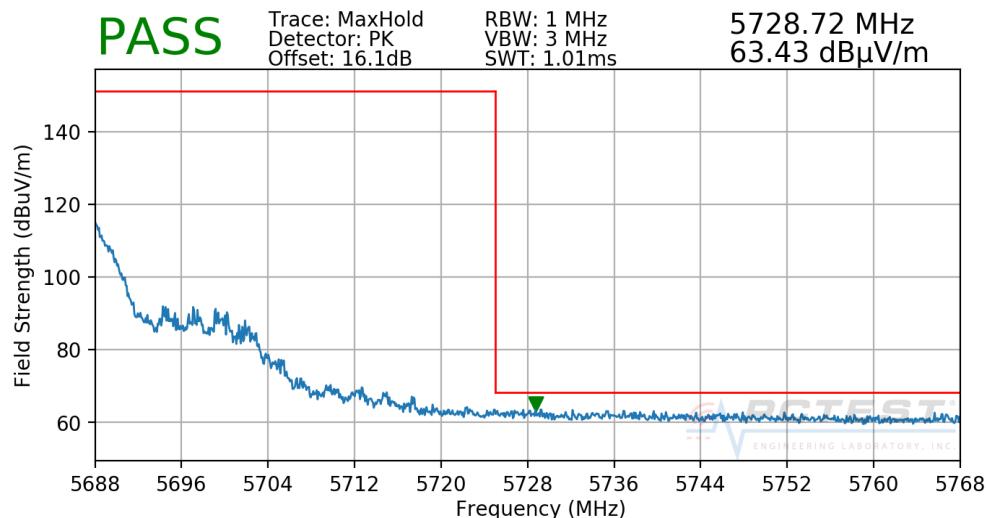
**PASS** Average Trace  
Peak Trace  
Avg. Offset: 15.7dB  
Peak Offset: 15.7dB RBW: 1 MHz  
VBW: 3 MHz  
SWT: 1.01ms Peak: 5469.31 MHz, 62.24 dB $\mu$ V/m  
Avg: 5447.91 MHz, 51.22 dB $\mu$ V/m



**Plot 7-251. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 2C)**

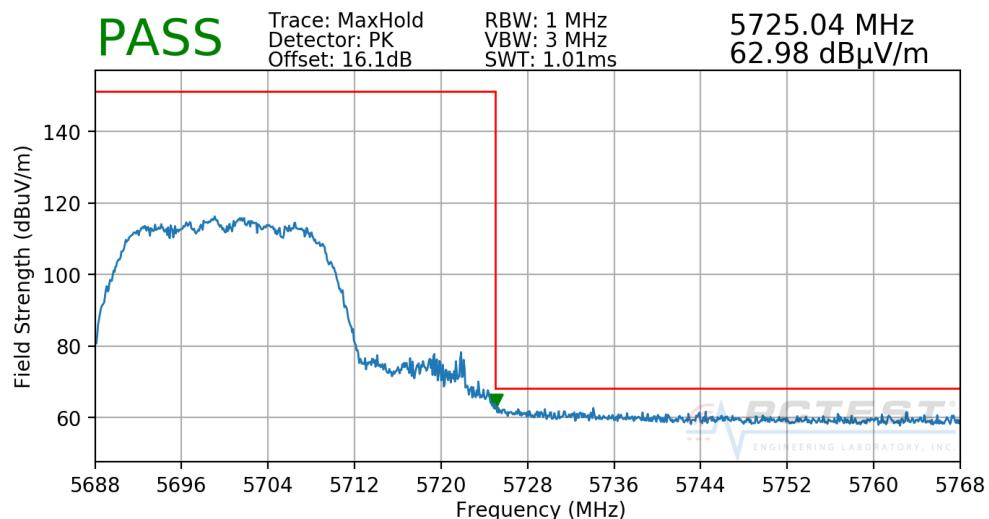
FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device		Page 180 of 200

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



**Plot 7-252. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 2C)**

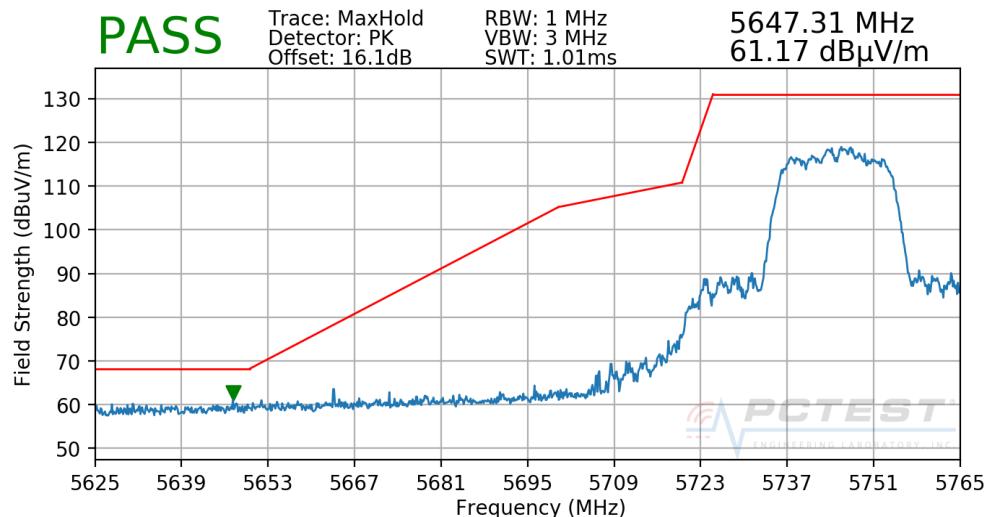
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5700MHz  
 Channel: 140



**Plot 7-253. Radiated Upper Band Edge Plot MIMO/CDD (Peak – UNII Band 2C)**

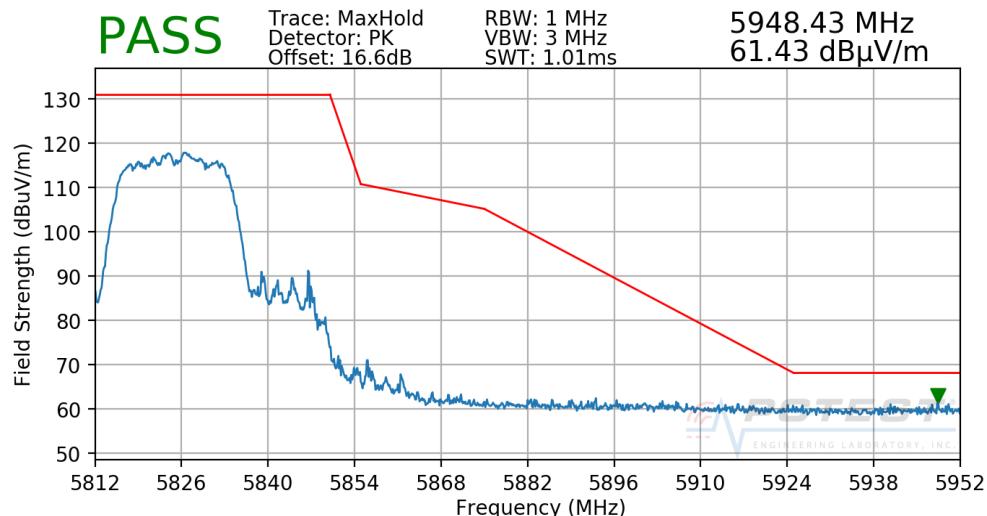
FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 181 of 200	

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



**Plot 7-254. Radiated Lower Band Edge Plot MIMO/CDD (Peak – UNII Band 3)**

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



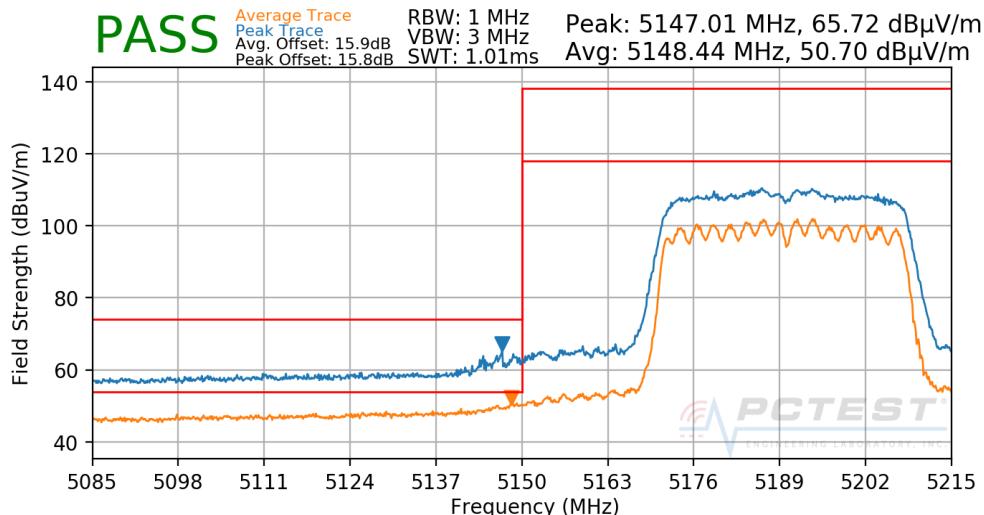
**Plot 7-255. Radiated Upper Band Edge Plot MIMO/CDD (Peak – UNII Band 3)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 182 of 200	

### 7.6.12 MIMO/CDD Radiated Band Edge Measurements (40MHz BW)

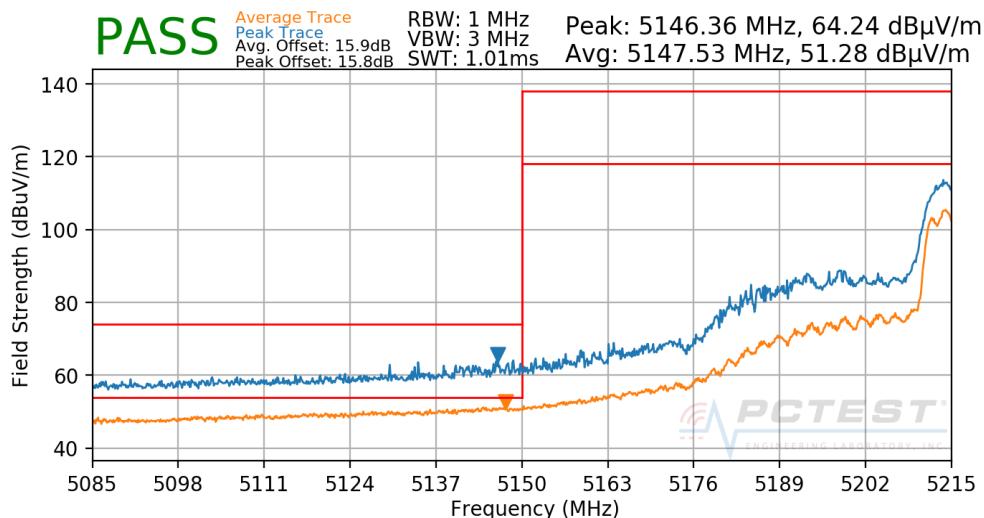
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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



**Plot 7-256. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 1)**

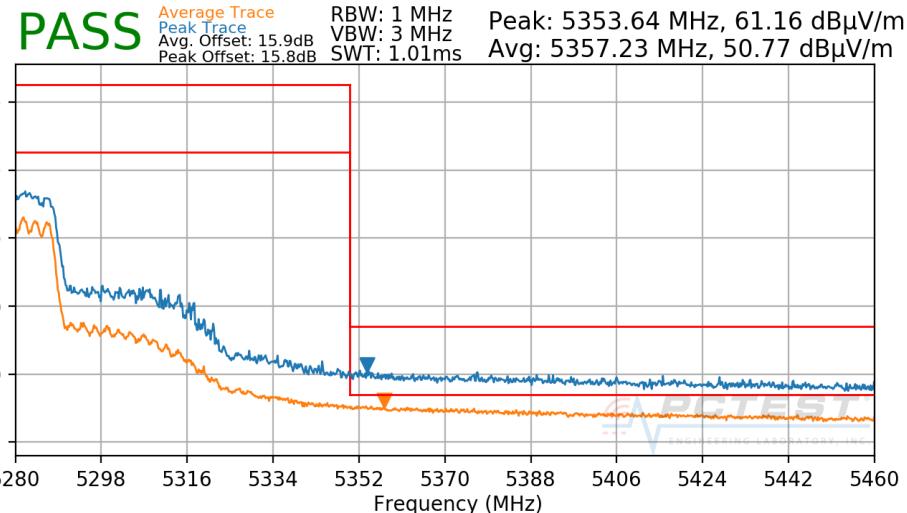
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5230MHz  
Channel: 46



**Plot 7-257. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 1)**

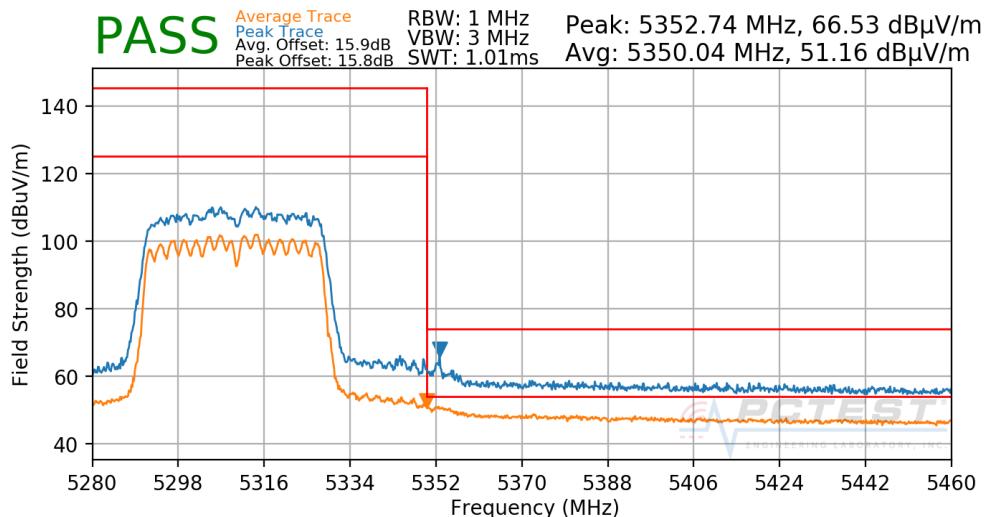
FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 183 of 200

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



**Plot 7-258. Radiated Upper Band Edge Plot MIMO/CDD (UNII Band 2A)**

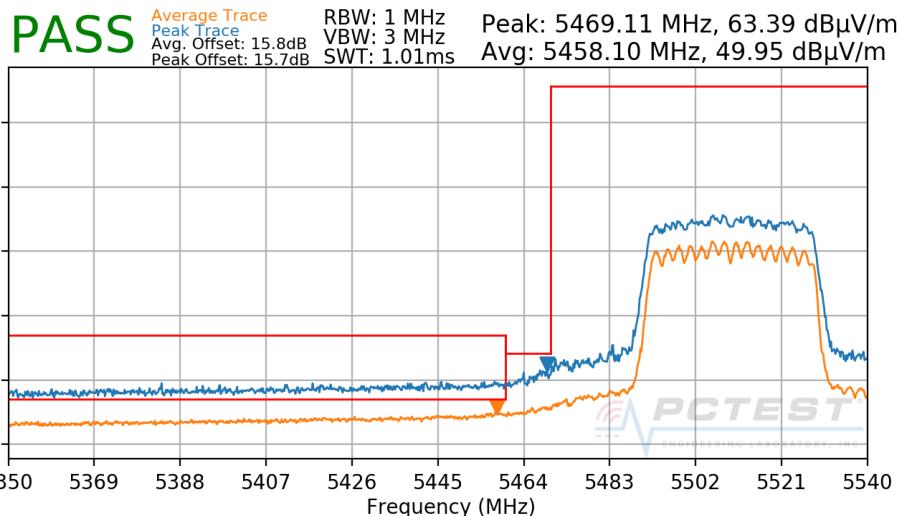
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5310MHz  
 Channel: 62



**Plot 7-259. Radiated Upper Band Edge Plot MIMO/CDD (UNII Band 2A)**

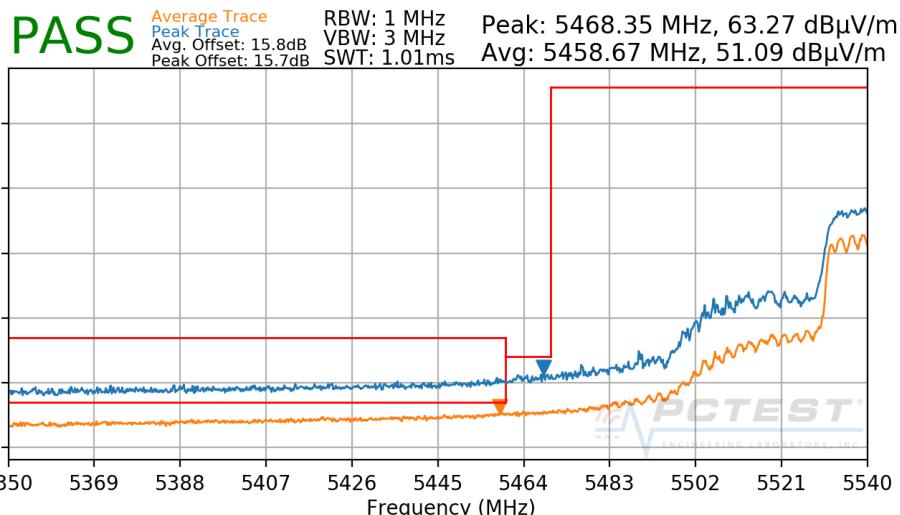
FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 184 of 200	

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



**Plot 7-260. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 2C)**

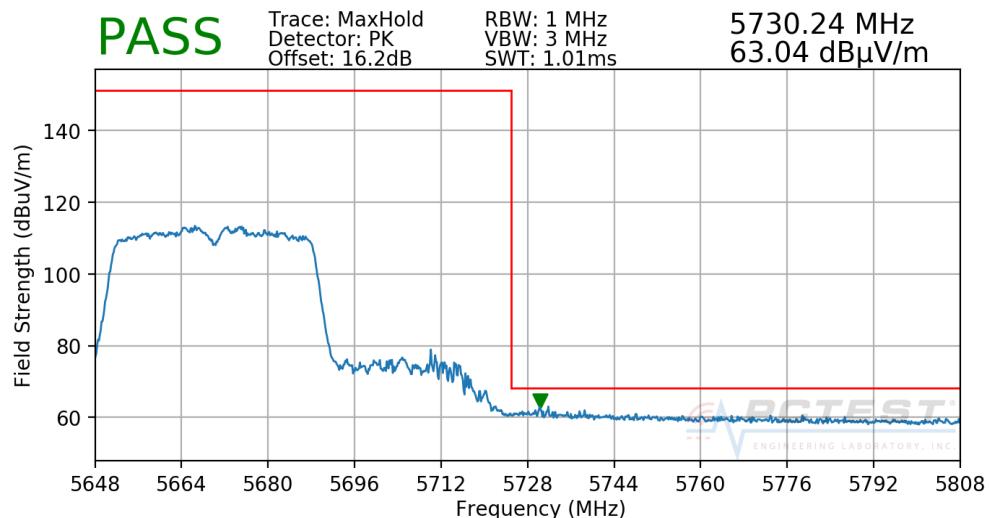
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5550MHz  
 Channel: 110



**Plot 7-261. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 2C)**

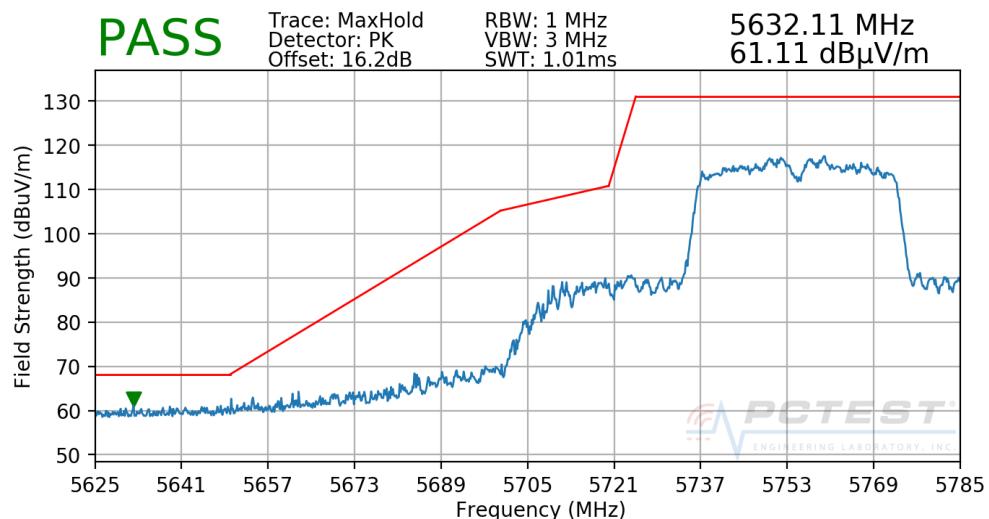
FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 185 of 200

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



**Plot 7-262. Radiated Upper Band Edge Plot MIMO/CDD (Peak - UNII Band 2C)**

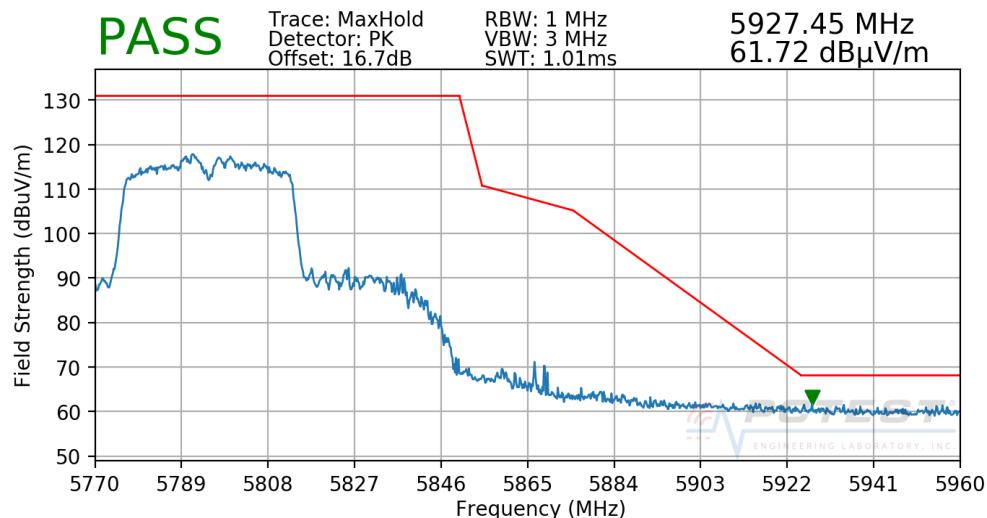
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5755MHz  
 Channel: 151



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

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 186 of 200	

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



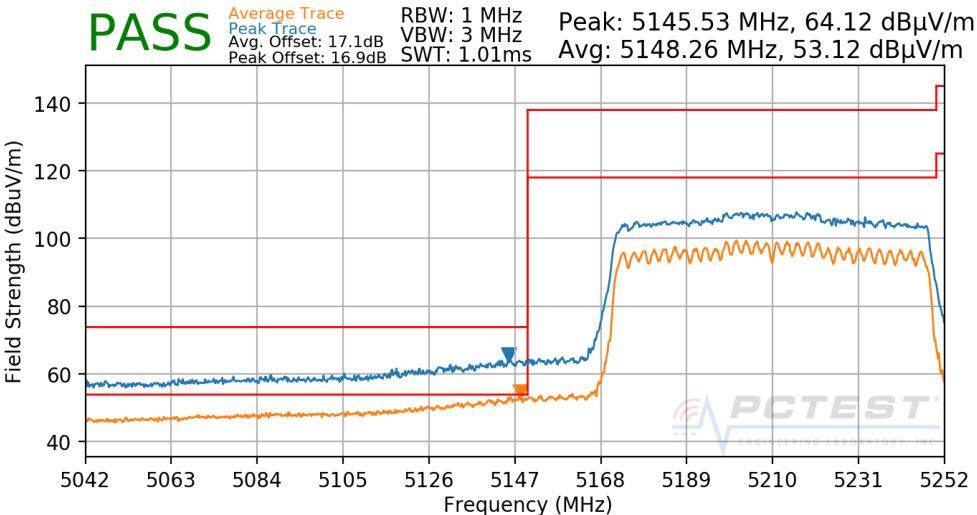
**Plot 7-264. Radiated Upper Band Edge Plot MIMO/CDD (Peak – UNII Band 3)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device		Page 187 of 200

### 7.6.13 MIMO/CDD Radiated Band Edge Measurements (80MHz BW)

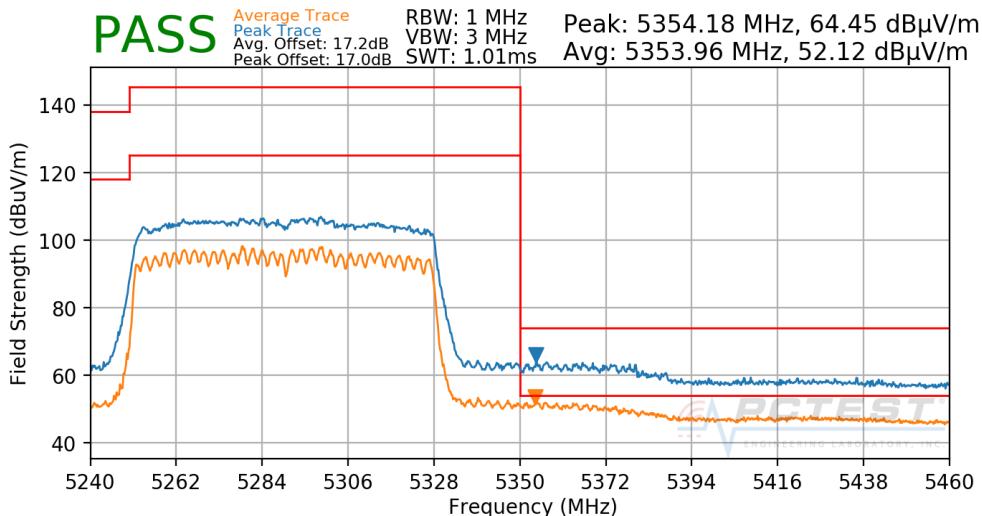
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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



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

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

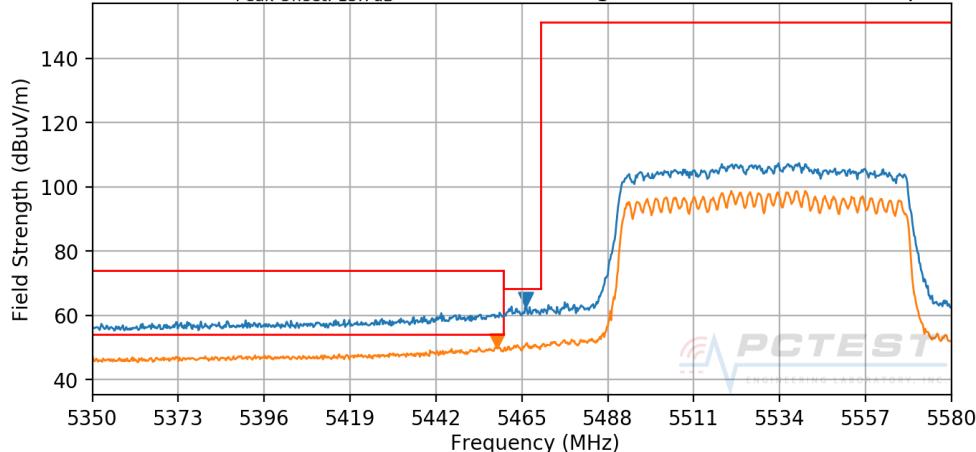


**Plot 7-266. Radiated Upper Band Edge Plot MIMO/CDD (UNII Band 2A)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 188 of 200

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

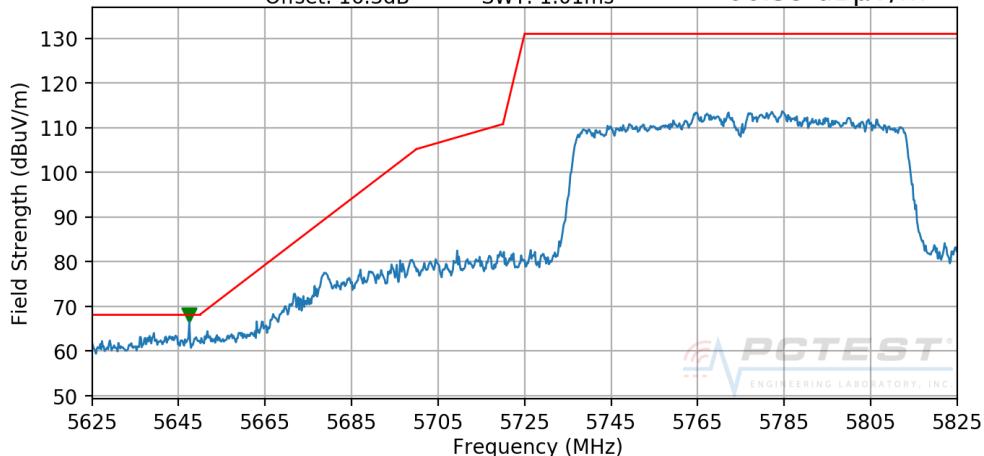
**PASS** Average Trace Peak Trace RBW: 1 MHz  
Avg. Offset: 15.7dB VBW: 3 MHz  
Peak: 5465.92 MHz, 63.33 dB $\mu$ V/m  
Peak Offset: 15.7dB SWT: 1.01ms  
Avg: 5458.34 MHz, 50.42 dB $\mu$ V/m



**Plot 7-267. Radiated Lower Band Edge Plot MIMO/CDD (UNII Band 2C)**

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

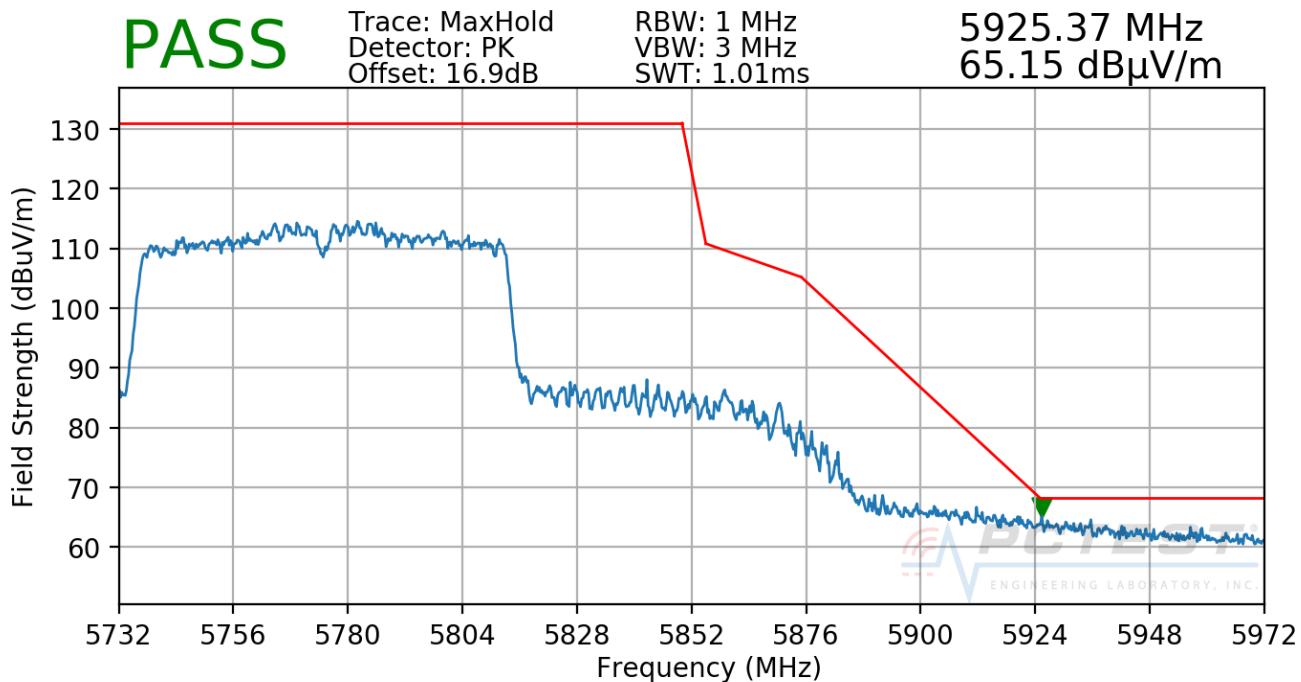
**PASS** Trace: MaxHold  
Detector: PK  
Offset: 16.3dB RBW: 1 MHz  
VBW: 3 MHz SWT: 1.01ms  
5647.48 MHz  
66.59 dB $\mu$ V/m



**Plot 7-268. Radiated Lower Band Edge Plot MIMO/CDD (Peak – UNII Band 3)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 189 of 200	

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



**Plot 7-269. Radiated Upper Band Edge Plot MIMO/CDD (Peak – UNII Band 3)**

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 190 of 200	

## 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

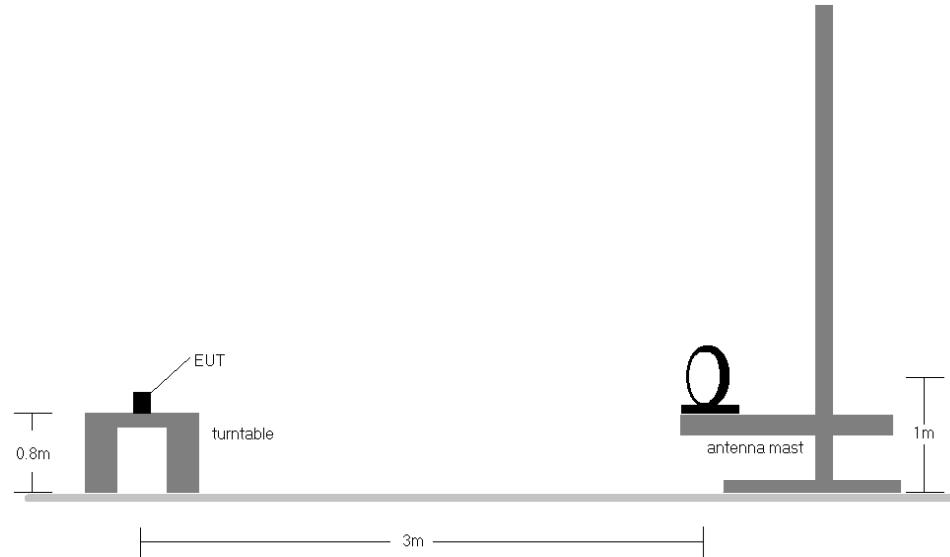
#### Quasi-Peak Field Strength Measurements

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

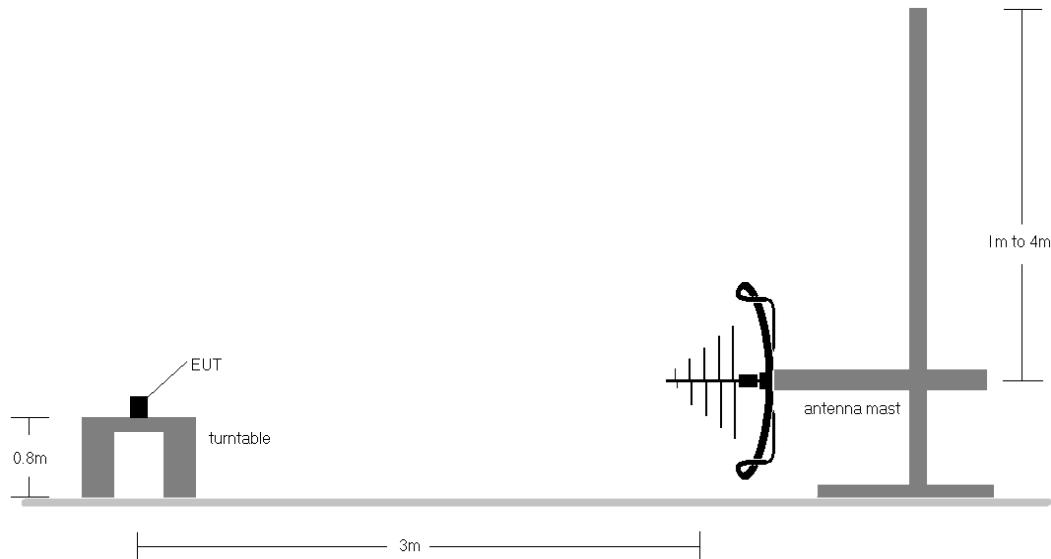
FCC ID: BCGA2126	 <b>PCTEST</b> <sup>®</sup> ENGINEERING LABORATORY, INC.		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device		Page 191 of 200

## 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**

FCC ID: BCGA2126	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device		Page 192 of 200

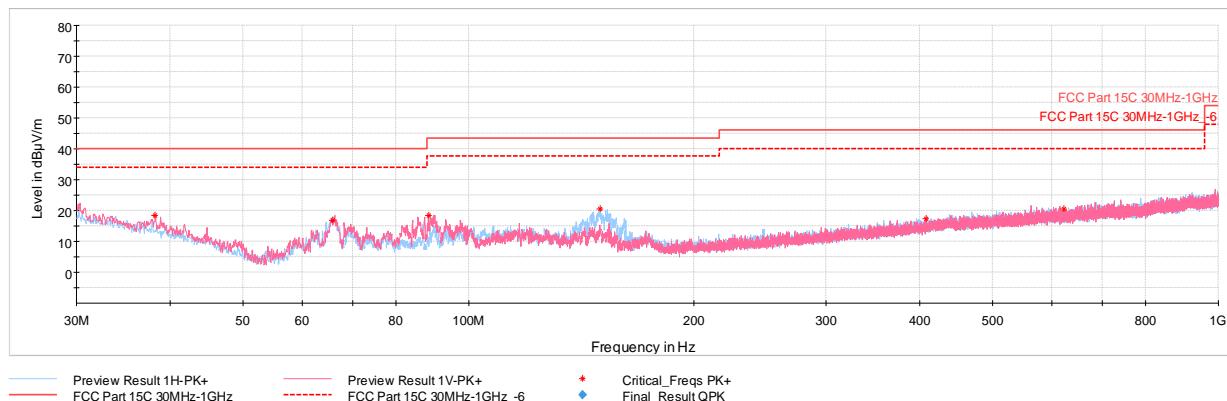
## Test Notes

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 on emissions within 6dB of limit. 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.

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 193 of 200

## MIMO Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]



**Plot 7-270. Radiated Spurious Plot below 1GHz MIMO/CDD – Ch.36, with AC/DC Adapter**

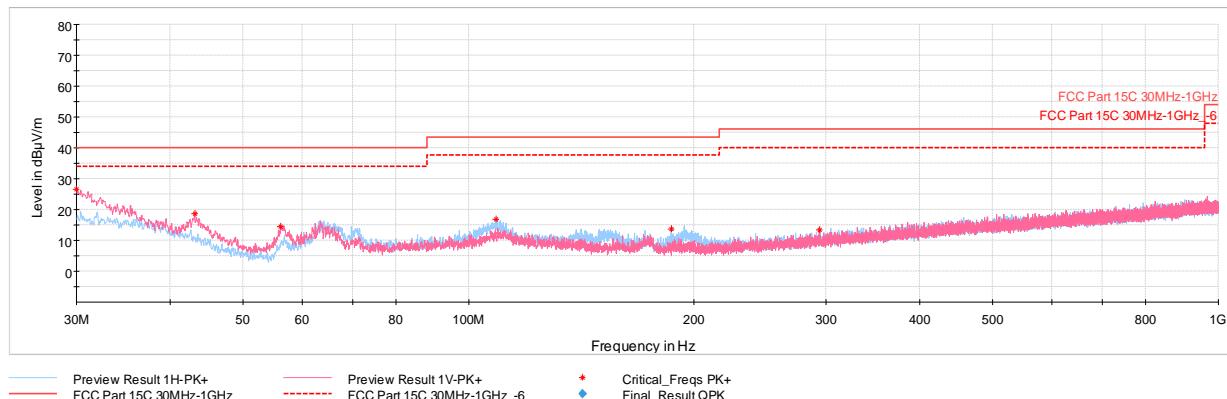
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
38.20	Max Peak	V	100	15	-75.49	-13.16	18.35	40.00	-21.65
65.94	Max Peak	H	250	174	-69.52	-20.63	16.85	40.00	-23.15
88.49	Max Peak	V	100	5	-70.36	-18.29	18.35	43.52	-25.17
149.84	Max Peak	H	250	265	-67.42	-19.14	20.44	43.52	-23.08
407.67	Max Peak	V	100	45	-77.11	-12.62	17.27	46.02	-28.75
622.82	Max Peak	H	250	2	-78.16	-8.42	20.42	46.02	-25.60

**Table 7-73. Radiated Spurious Emissions below 1GHz MIMO/CDD – Ch.36, with AC/DC Adapter**

FCC ID: BCGA2126	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device			

## Simultaneous Tx Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-271. Radiated Spurious Plot below 1GHz (2.4GHz Ch.78 – 5GHz Ch.36), with AC/DC Adapter

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]
30.00	Max Peak	V	100	218	-71.63	-8.89	26.48	40.00	-13.52
43.14	Max Peak	V	100	200	-72.02	-16.33	18.65	40.00	-21.35
56.19	Max Peak	V	250	65	-69.14	-23.37	14.49	40.00	-25.51
108.81	Max Peak	H	250	222	-72.83	-17.30	16.87	43.52	-26.65
186.27	Max Peak	H	100	245	-73.81	-19.43	13.76	43.52	-29.76
293.55	Max Peak	V	100	229	-77.73	-15.87	13.40	46.02	-32.62

Table 7-74. Radiated Spurious Emissions below 1GHz (2.4GHz Ch.78 – 5GHz Ch.36), with AC/DC Adapter

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>				Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device			

## 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 7-75. 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

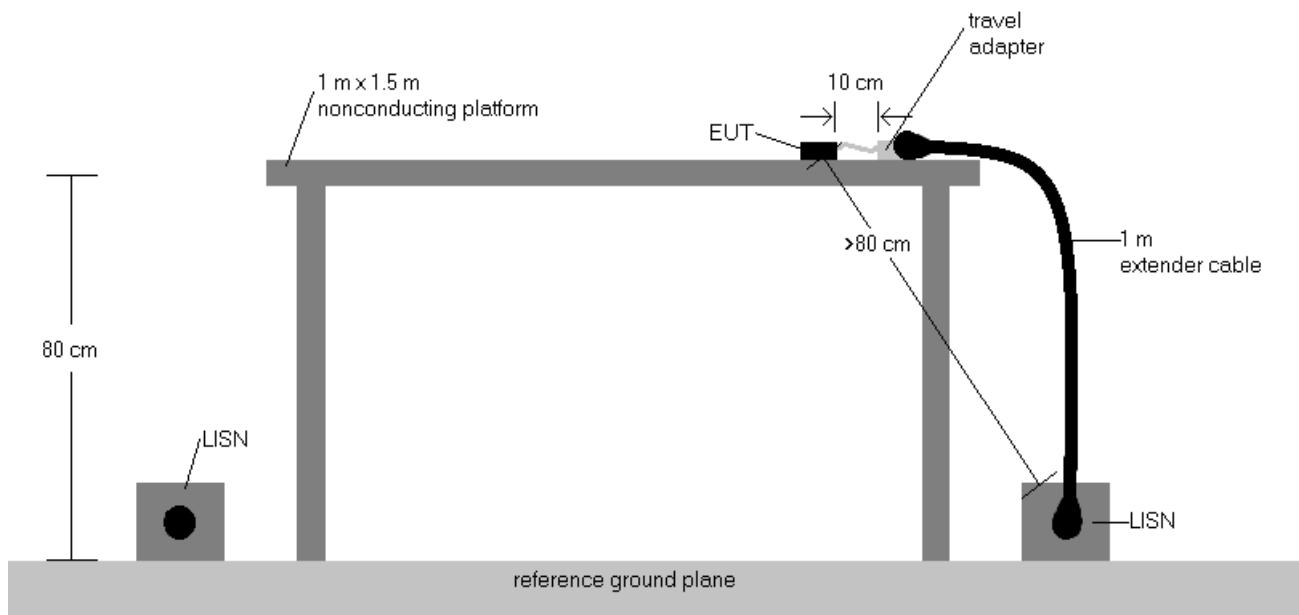
#### Average Field Strength Measurements

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.

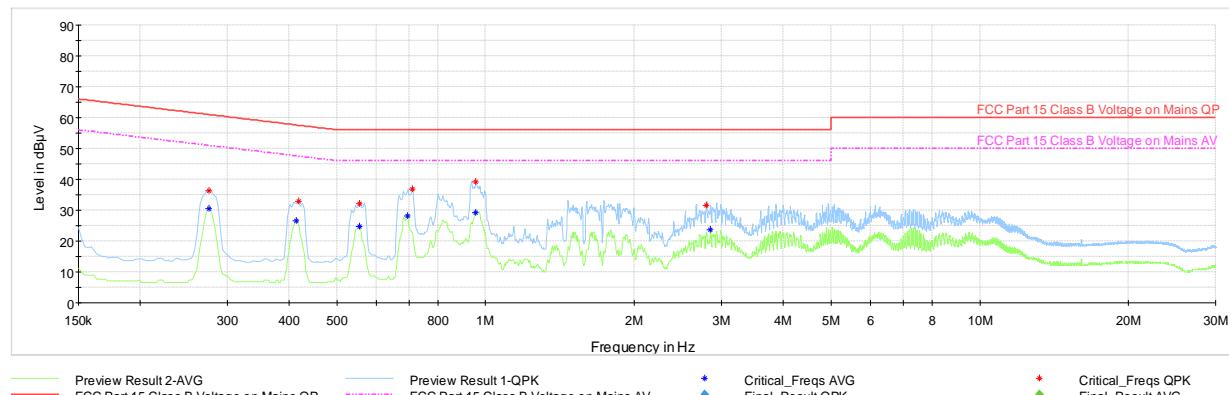


**Figure 7-8. Test Instrument & Measurement Setup**

## 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 a peak detector.
7. Deviations to the Specifications: None.

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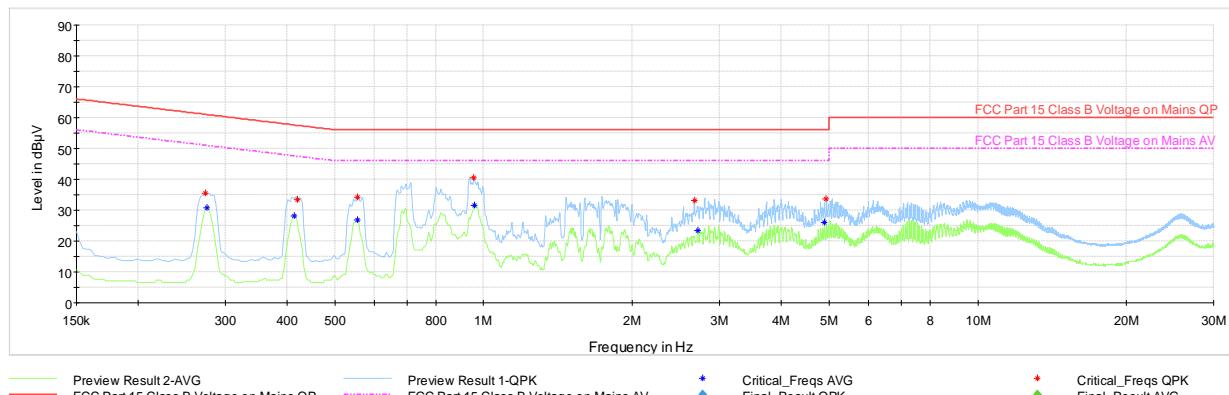


**Plot 7-272. Line Conducted Plot with 802.11n UNII Band 1 Ch.36 (L1), with AC/DC Adapter**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.276	FINAL	—	30.53	50.94	-20.41	L1	GND
0.276	FINAL	36.4	—	60.94	-24.50	L1	GND
0.413	FINAL	—	26.49	47.58	-21.10	L1	GND
0.418	FINAL	32.8	—	57.49	-24.68	L1	GND
0.555	FINAL	—	24.62	46.00	-21.38	L1	GND
0.555	FINAL	32.2	—	56.00	-23.77	L1	GND
0.695	FINAL	—	28.26	46.00	-17.74	L1	GND
0.710	FINAL	37.0	—	56.00	-19.05	L1	GND
0.953	FINAL	—	29.34	46.00	-16.66	L1	GND
0.956	FINAL	39.2	—	56.00	-16.80	L1	GND
2.798	FINAL	31.5	—	56.00	-24.53	L1	GND
2.850	FINAL	—	23.76	46.00	-22.24	L1	GND

**Table 7-26. Line Conducted Table with 802.11n UNII Band 1 Ch.36 (L1), with AC/DC Adapter**

FCC ID: BCGA2126	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device			



**Plot 7-273. Line Conducted Plot with 802.11n UNII Band 1 Ch.36 (N), with AC/DC Adapter**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.274	FINAL	35.6	—	61.00	-25.44	N	GND
0.276	FINAL	—	30.79	50.94	-20.15	N	GND
0.413	FINAL	—	28.20	47.58	-19.38	N	GND
0.420	FINAL	33.5	—	57.45	-23.95	N	GND
0.555	FINAL	—	26.80	46.00	-19.20	N	GND
0.555	FINAL	34.3	—	56.00	-21.67	N	GND
0.956	FINAL	40.4	—	56.00	-15.59	N	GND
0.958	FINAL	—	31.48	46.00	-14.52	N	GND
2.670	FINAL	33.1	—	46.00	-22.91	N	GND
2.711	FINAL	—	23.54	46.00	-22.46	N	GND
4.891	FINAL	—	25.94	46.00	-20.06	N	GND
4.938	FINAL	33.7	—	56.00	-22.35	N	GND

**Table 7-77. Line Conducted Table with 802.11n UNII Band 1 Ch.36 (N), with AC/DC Adapter**

FCC ID: BCGA2126	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device			

## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA2126** 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.

FCC ID: BCGA2126	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1811080026-10.BCG	Test Dates: 12/19/2018-02/01/2019	EUT Type: Tablet Device	Page 200 of 200