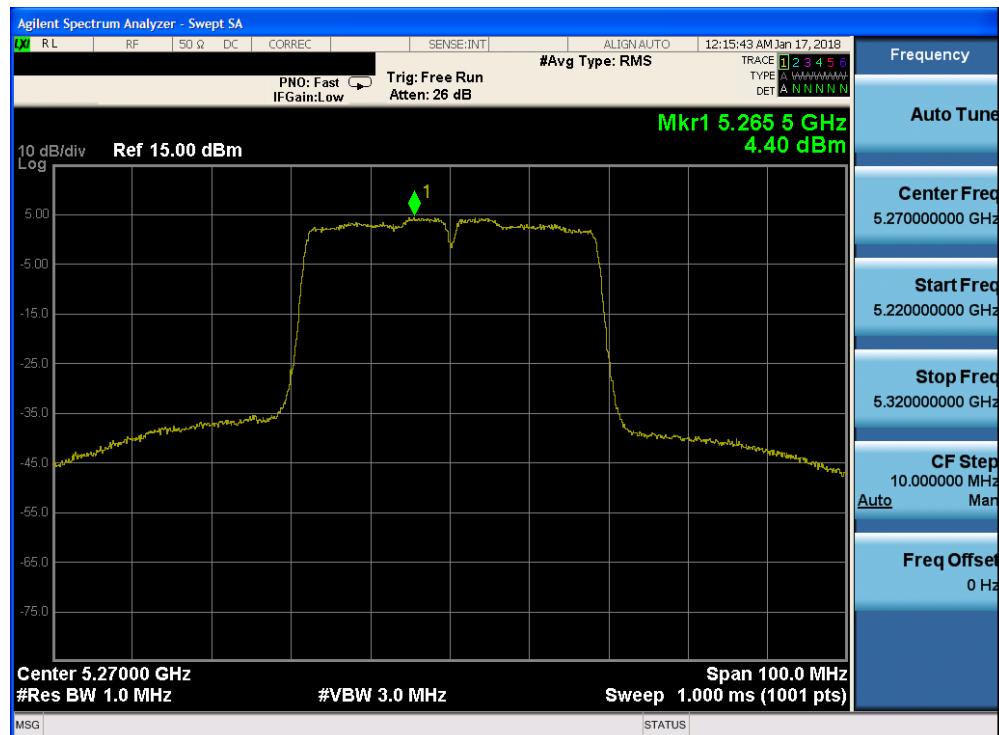
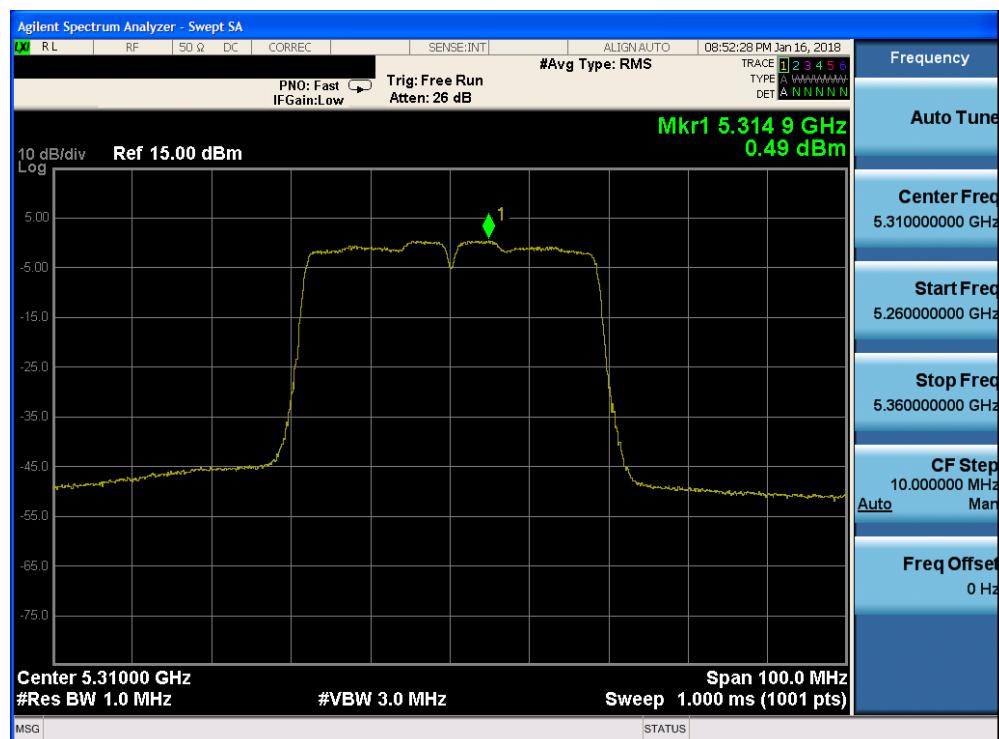


Plot 7-233. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

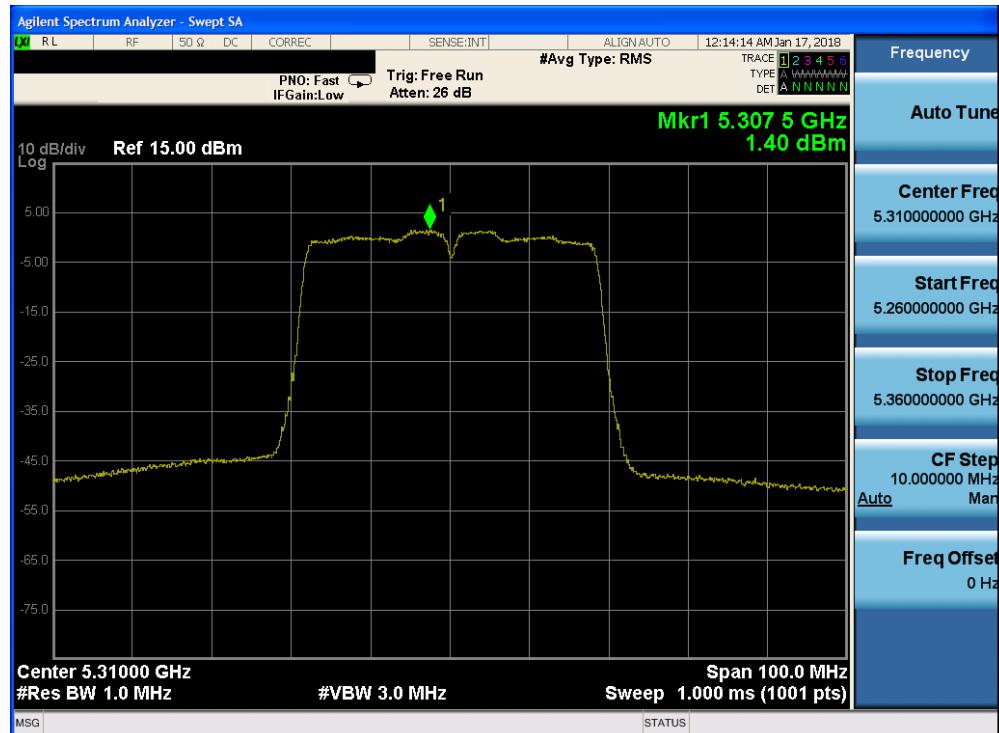


Plot 7-234. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 157 of 298

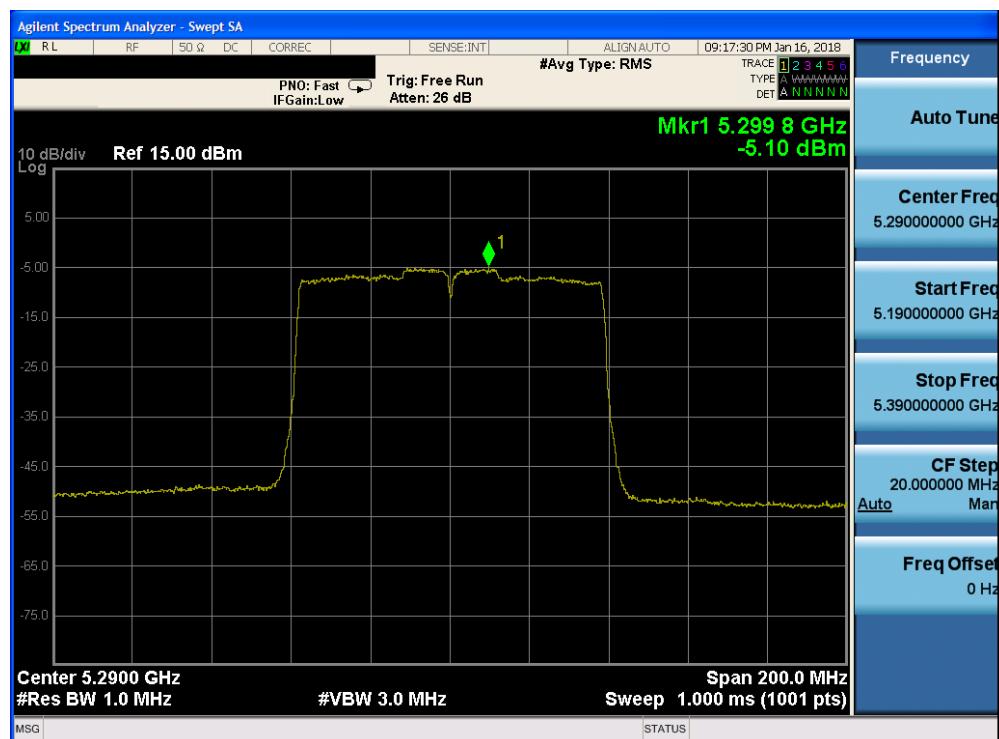


Plot 7-235. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

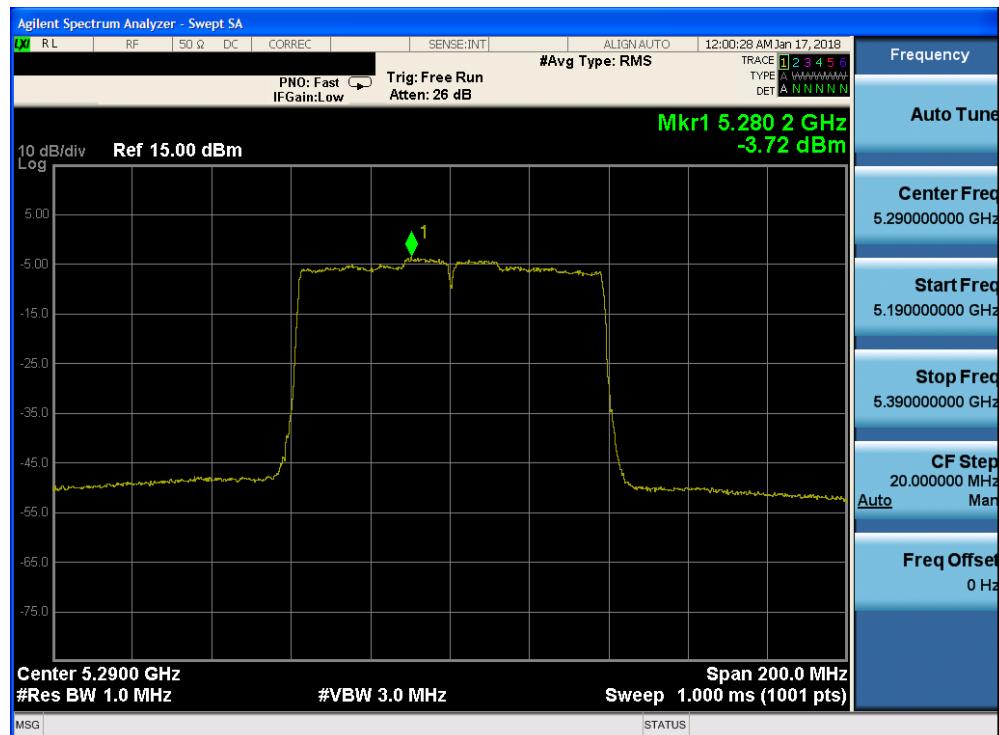


Plot 7-236. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 158 of 298

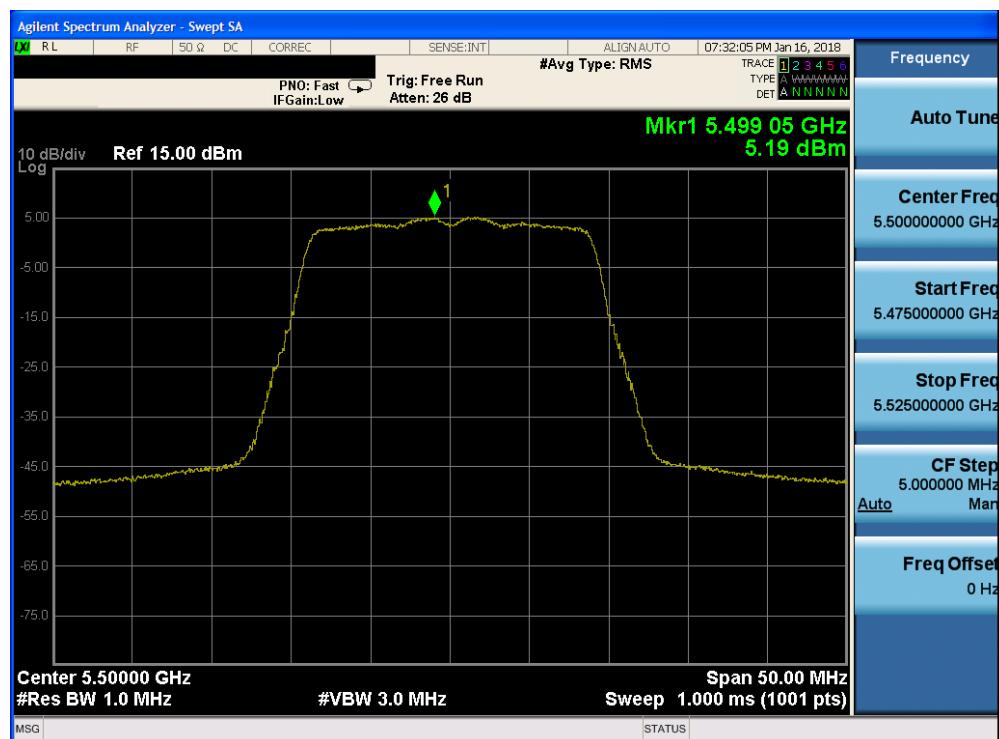


Plot 7-237. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

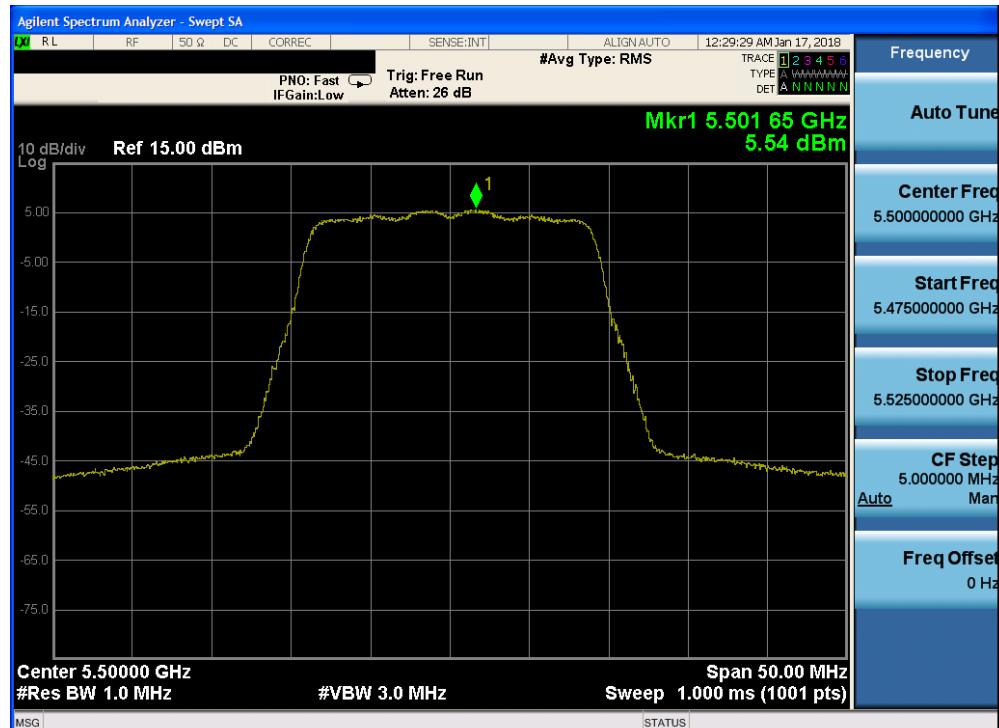


Plot 7-238. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 159 of 298

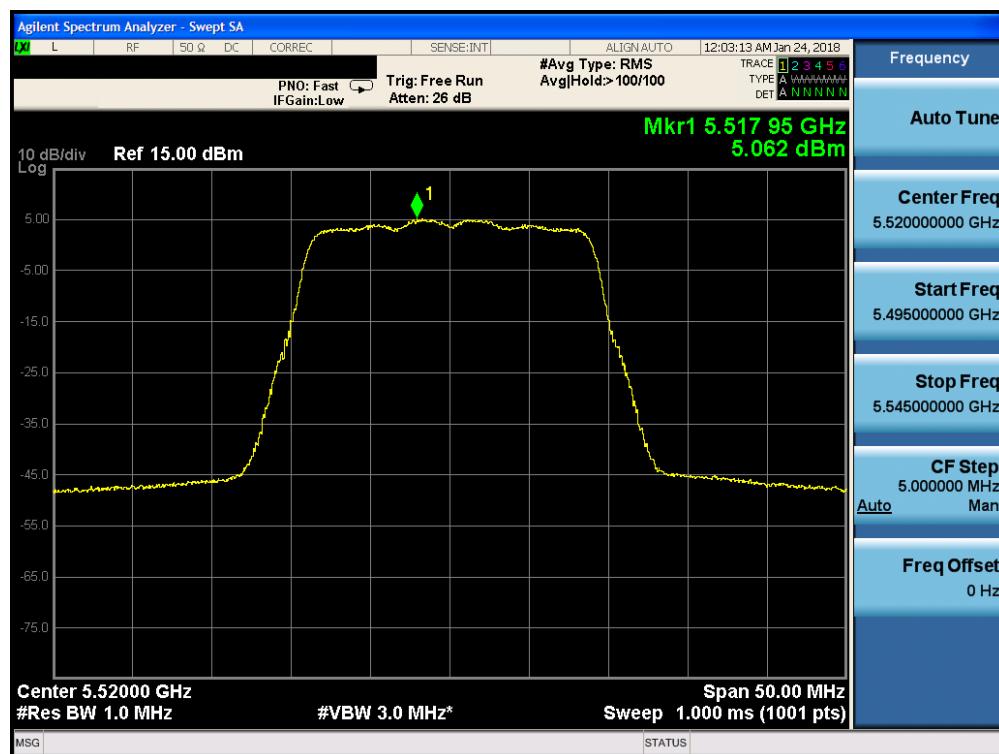


Plot 7-239. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

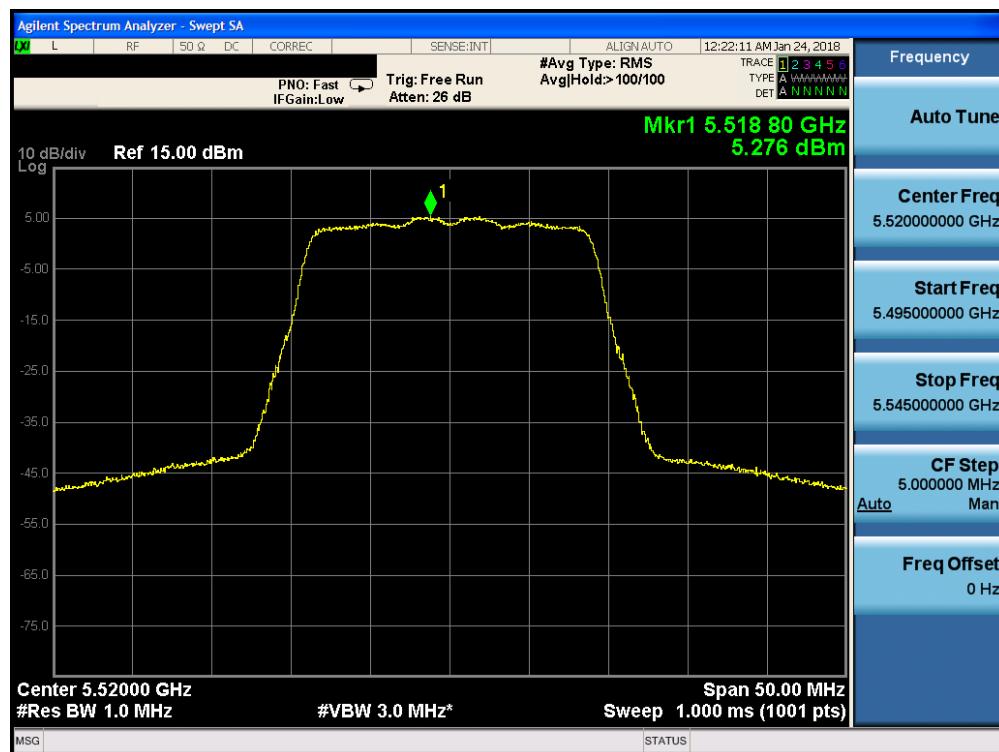


Plot 7-240. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 160 of 298

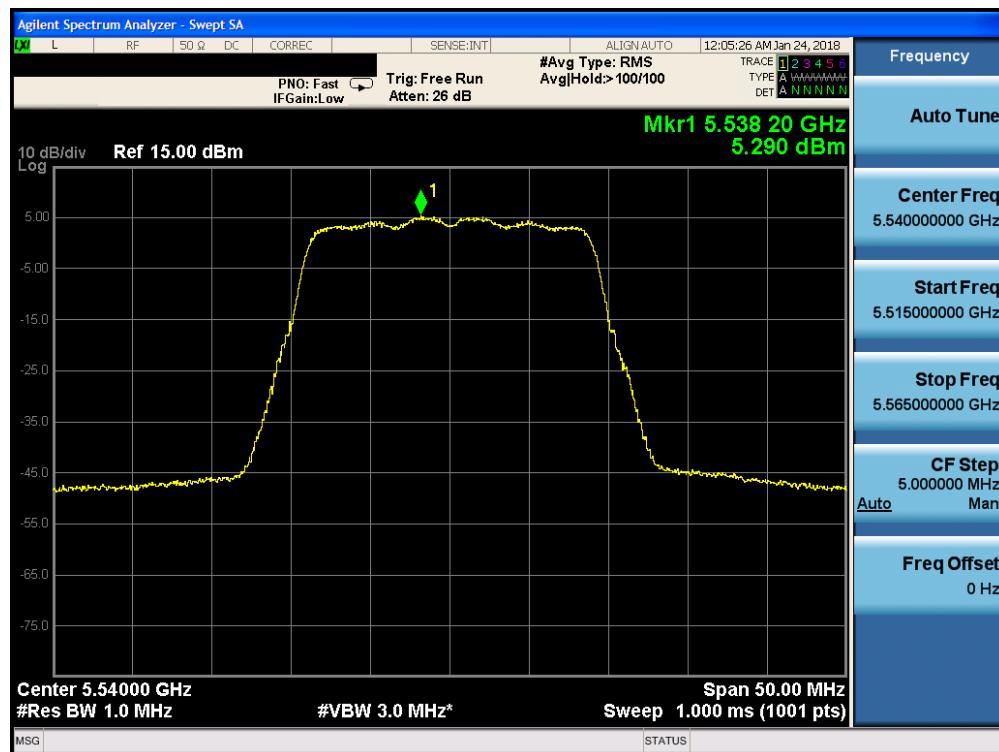


Plot 7-241. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 104)

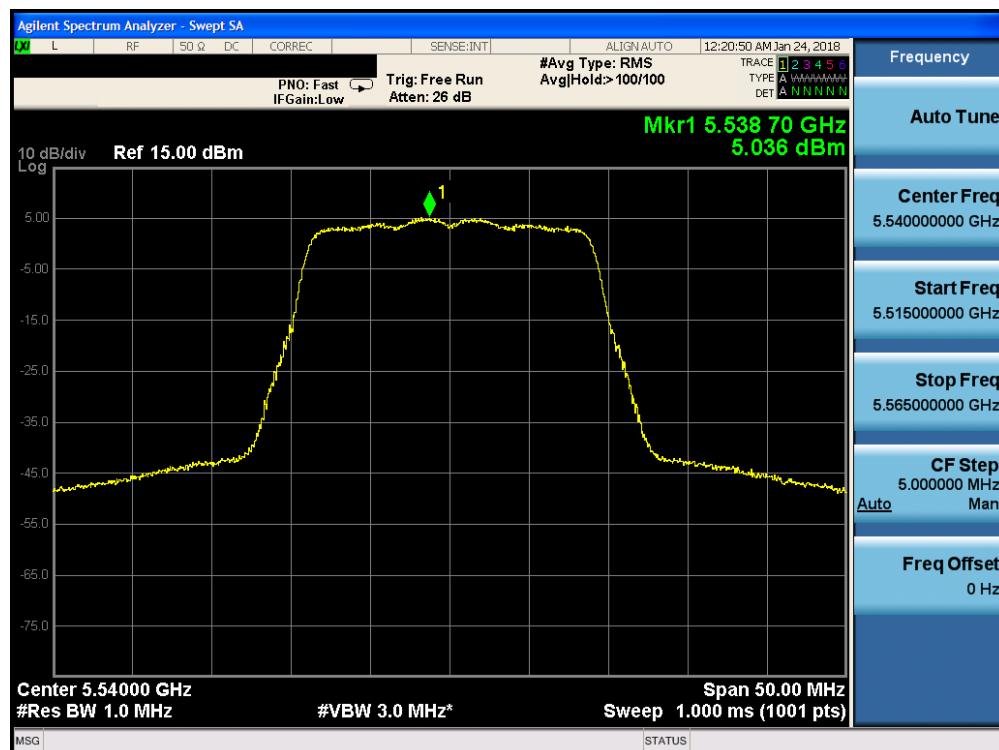


Plot 7-242. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 104)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 161 of 298

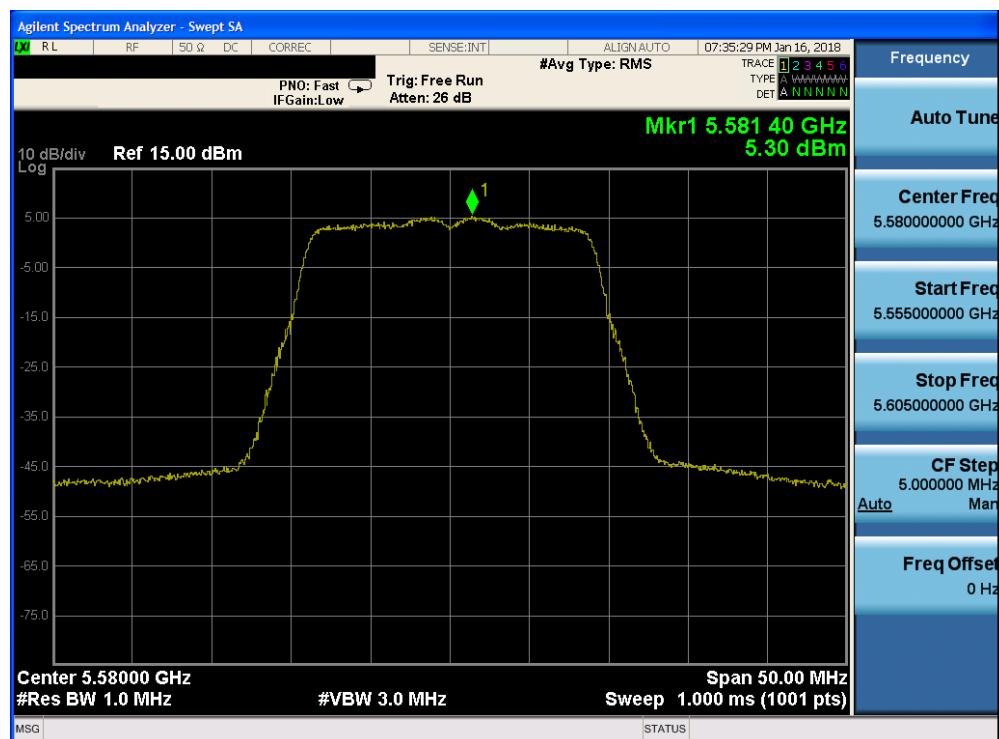


Plot 7-243. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 108)

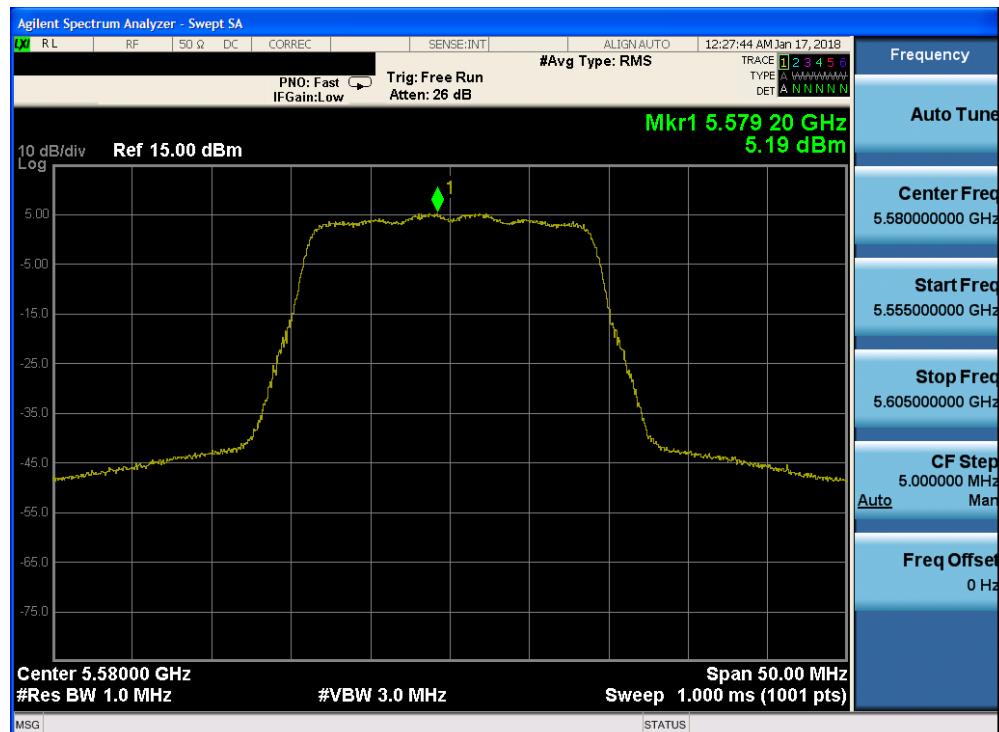


Plot 7-244. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 108)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 162 of 298

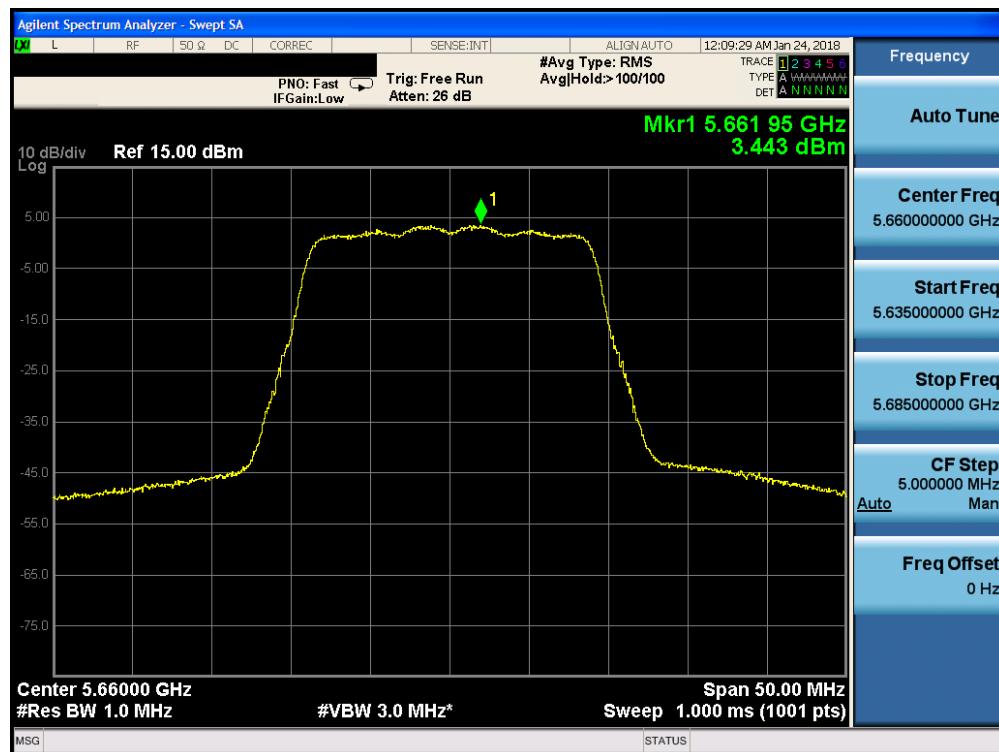


Plot 7-245. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 116)

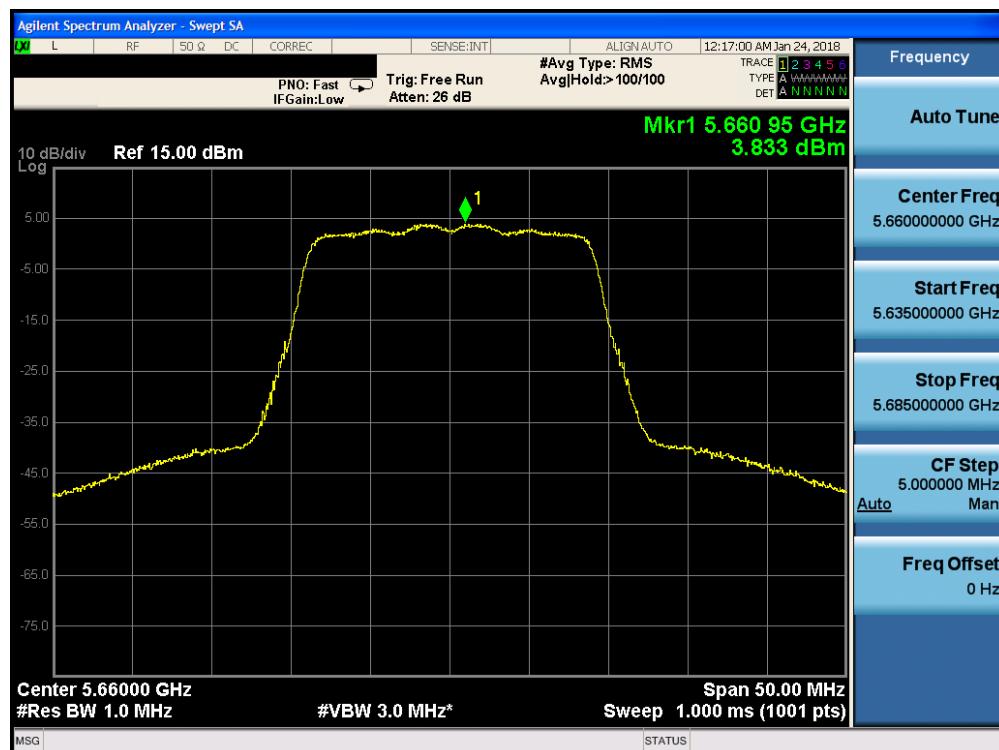


Plot 7-246. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 116)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 163 of 298

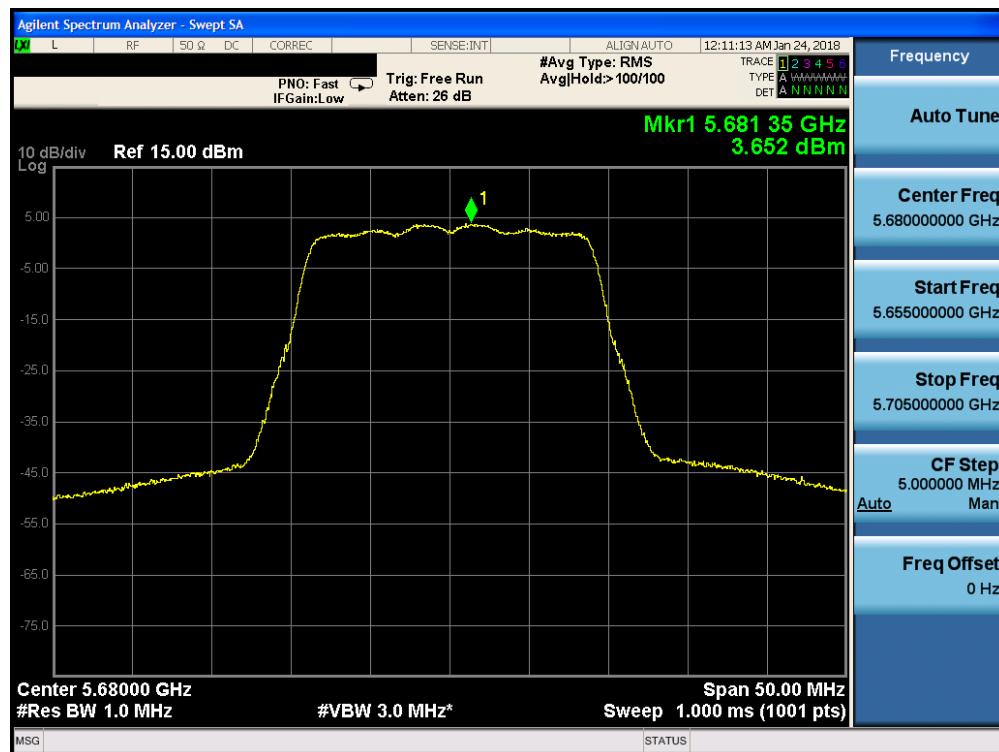


Plot 7-247. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 132)

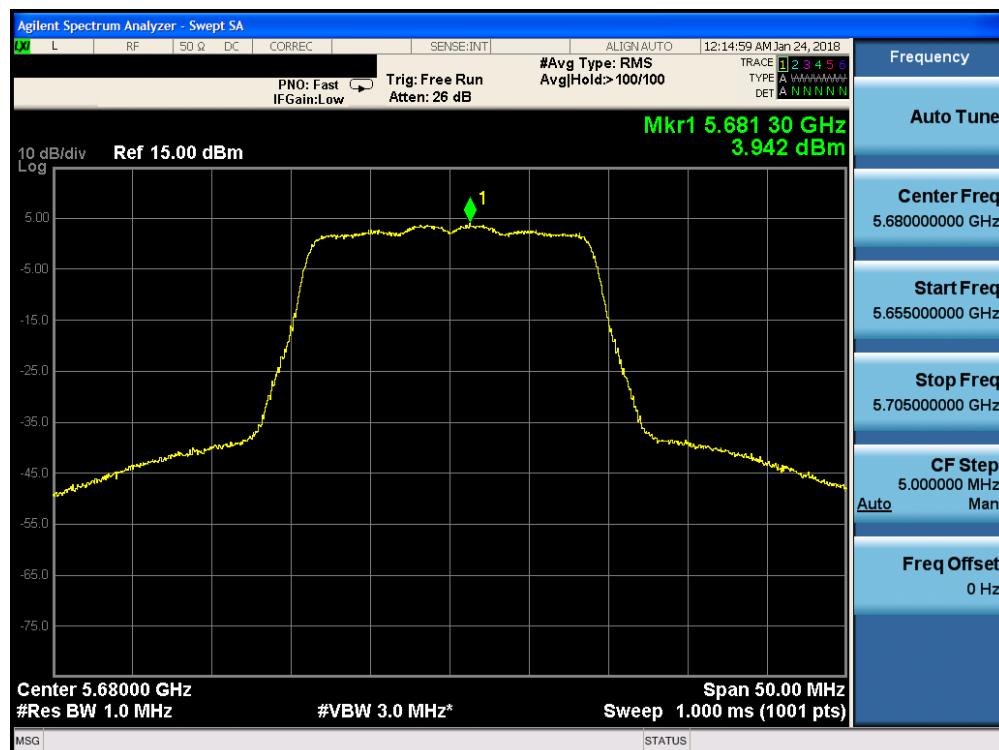


Plot 7-248. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 132)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 164 of 298

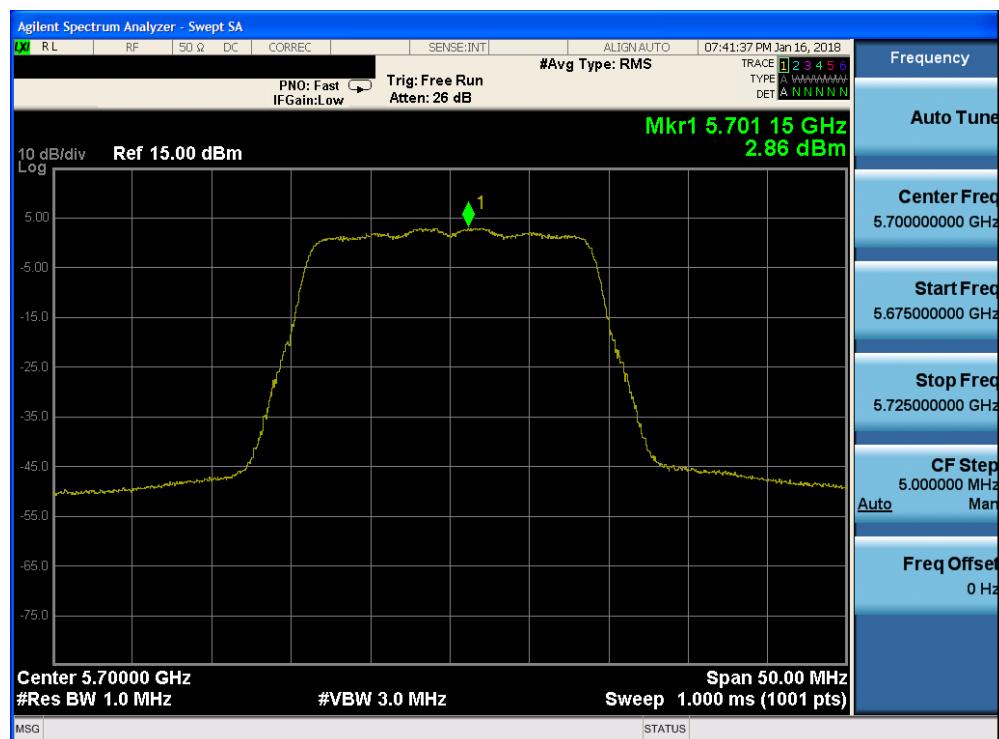


Plot 7-249. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 136)



Plot 7-250. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 136)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 165 of 298

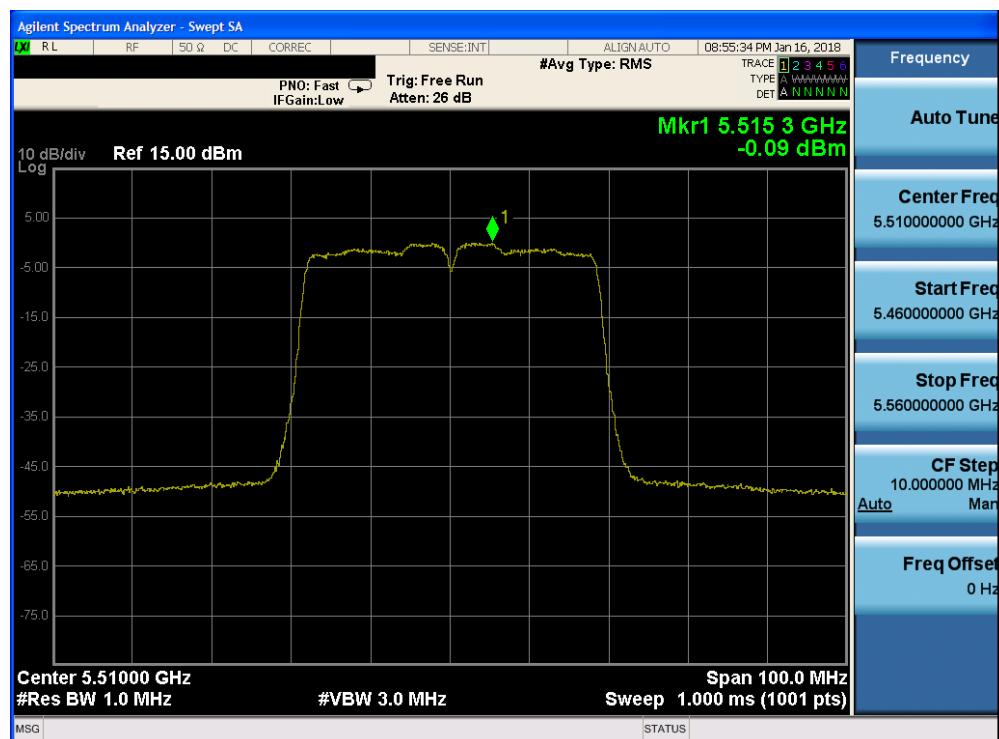


Plot 7-251. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 140)

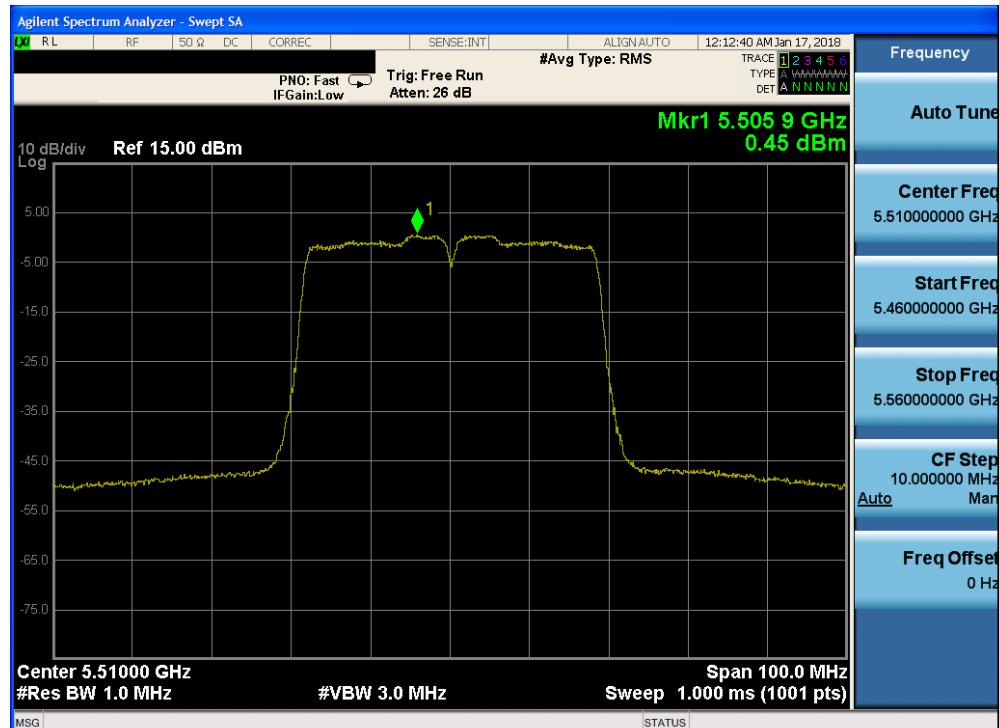


Plot 7-252. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 140)

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 166 of 298

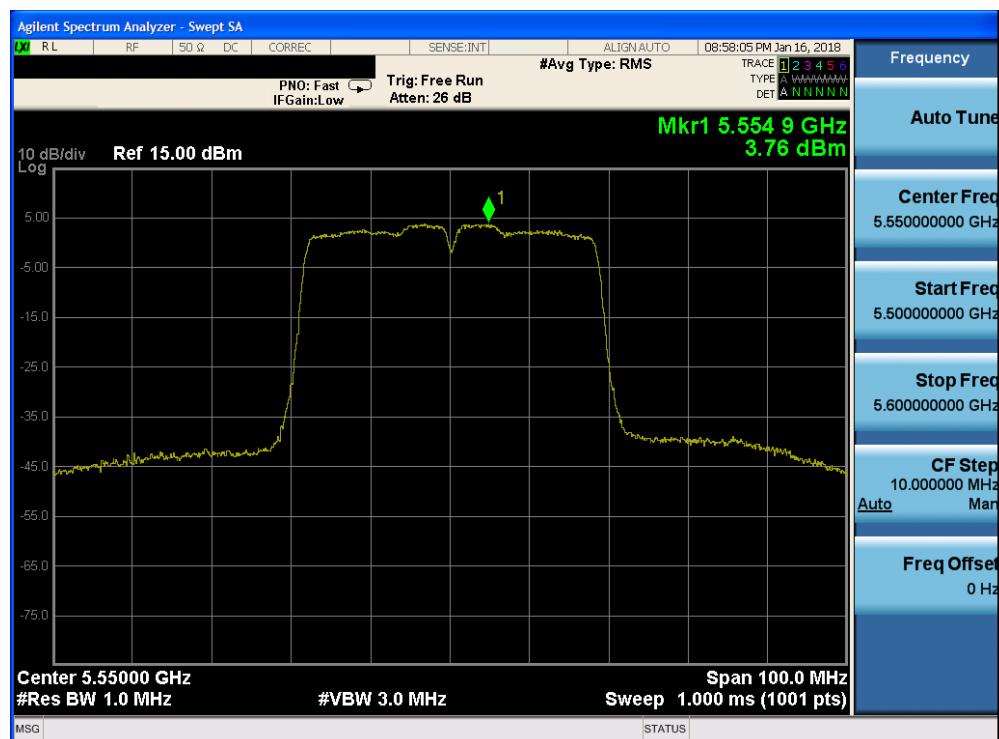


Plot 7-253. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

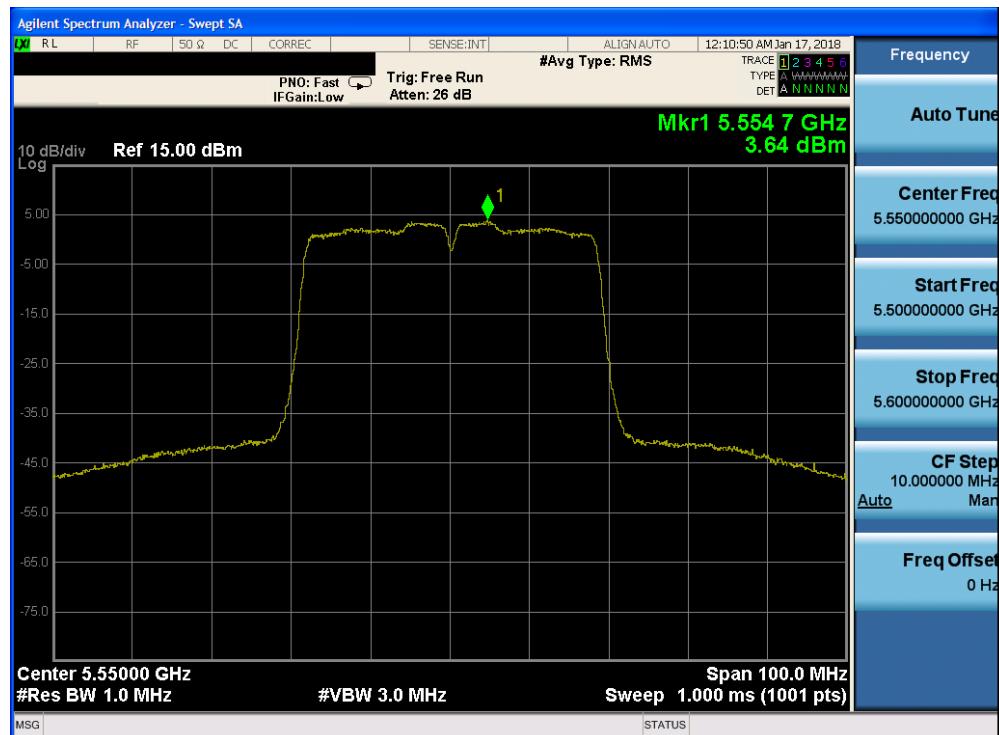


Plot 7-254. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 167 of 298



Plot 7-255. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

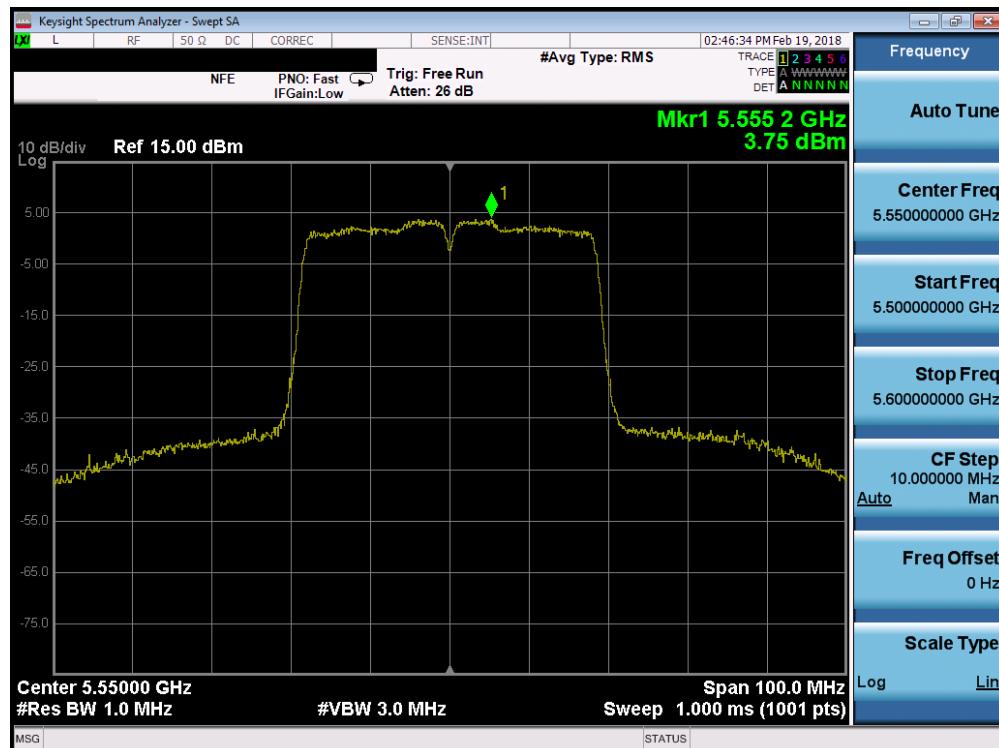


Plot 7-256. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 168 of 298

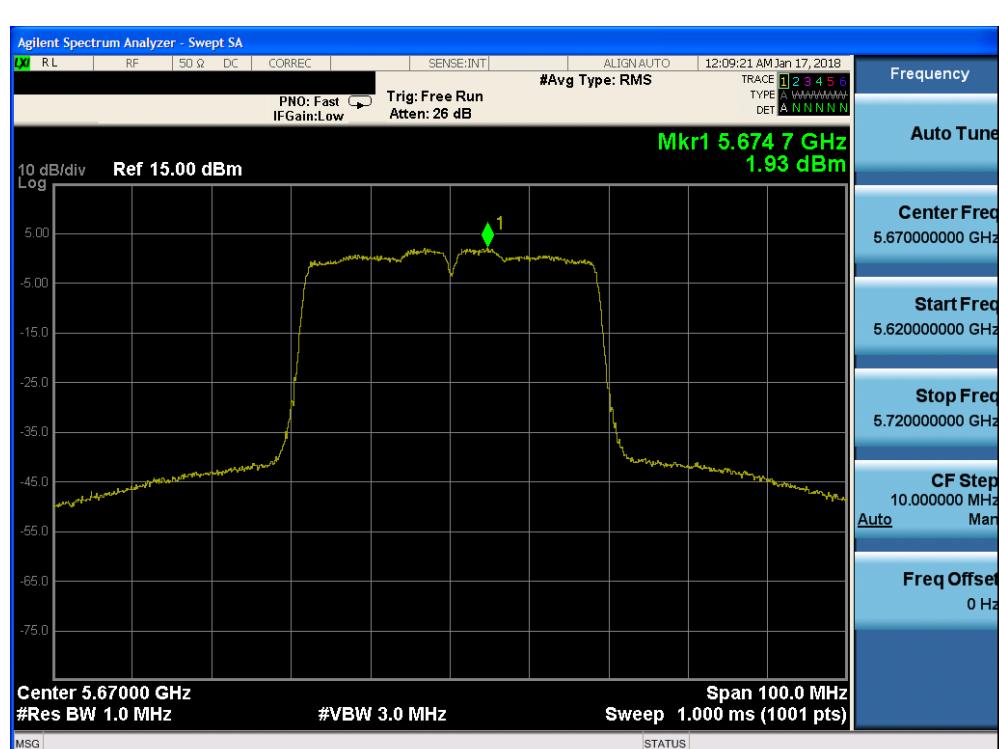
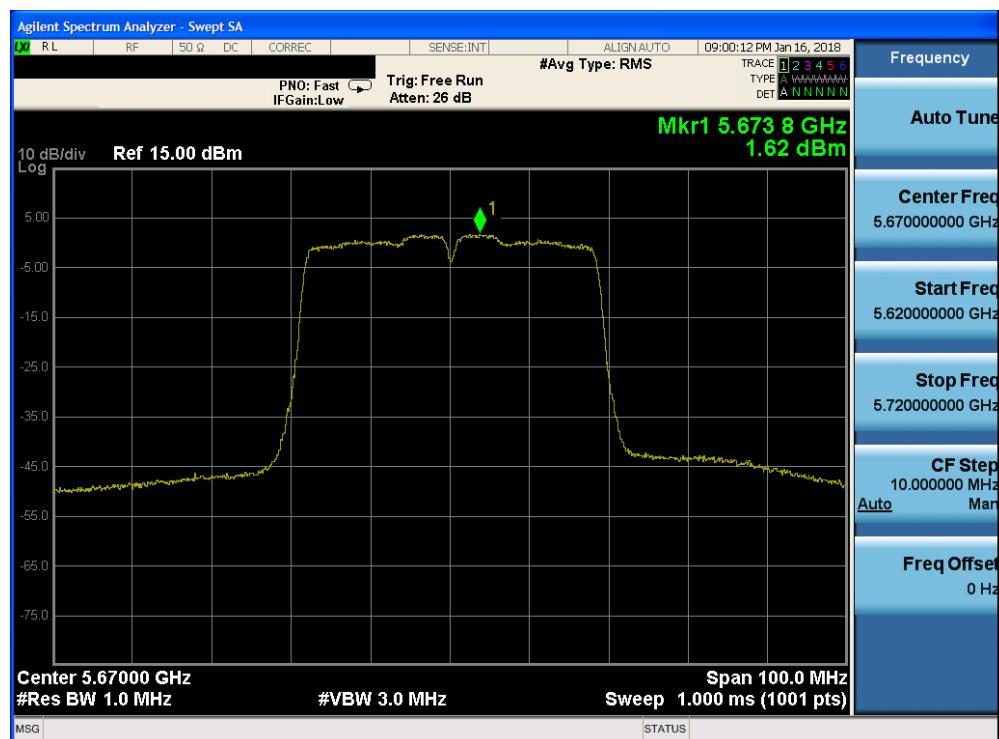


Plot 7-257. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

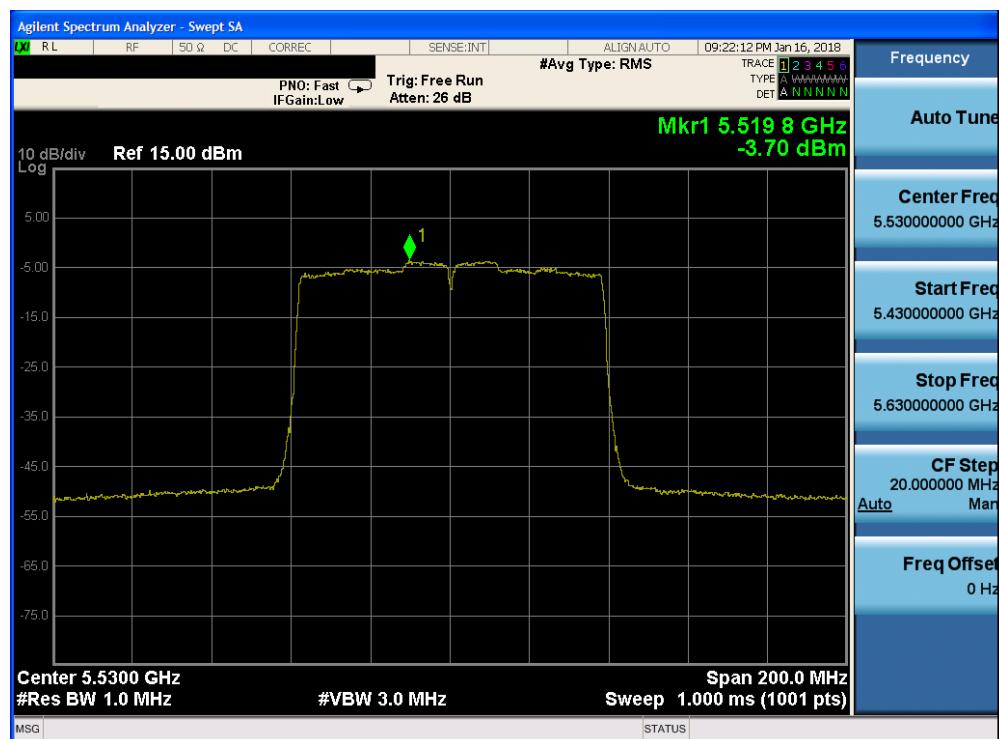


Plot 7-258. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

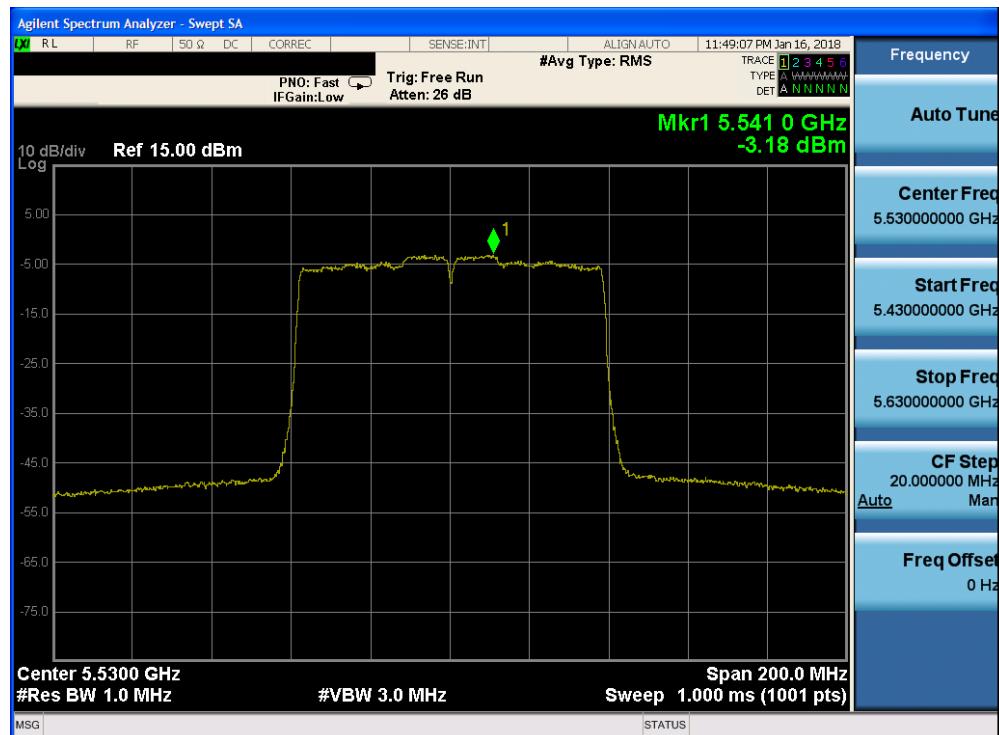
FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 169 of 298



FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 170 of 298

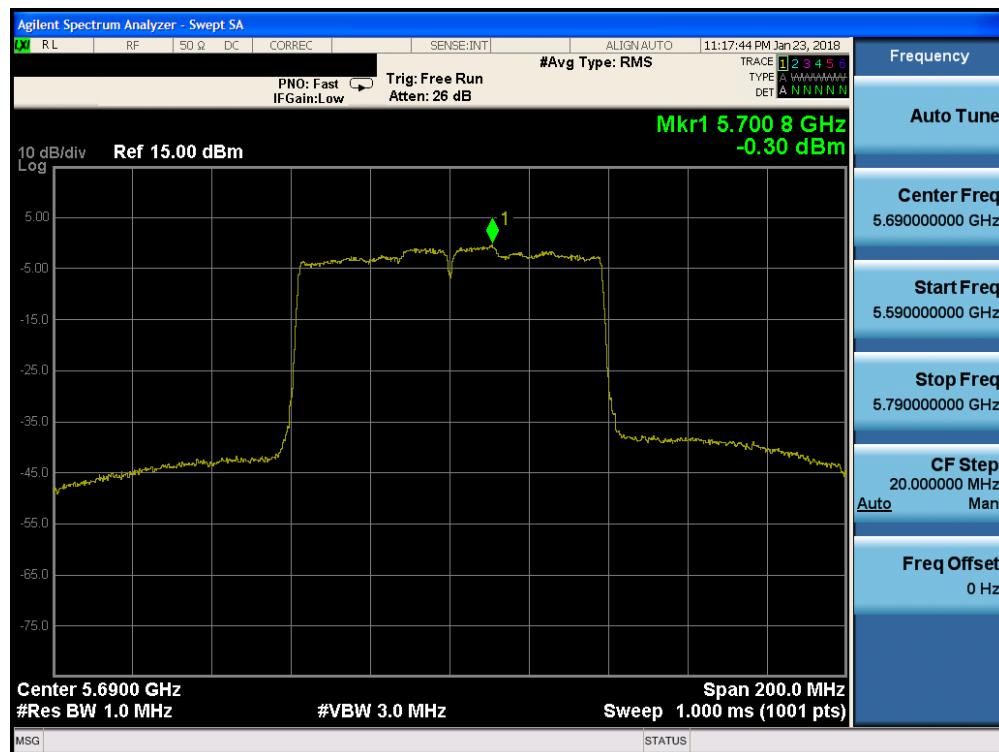


Plot 7-261. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)



Plot 7-262. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 171 of 298

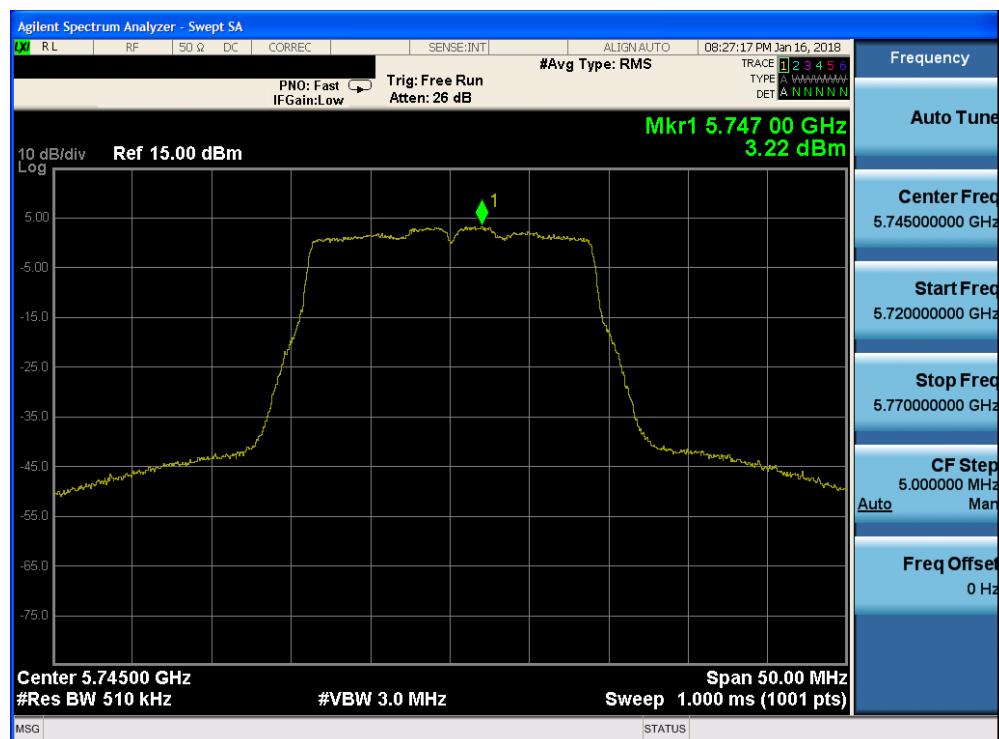


Plot 7-263. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

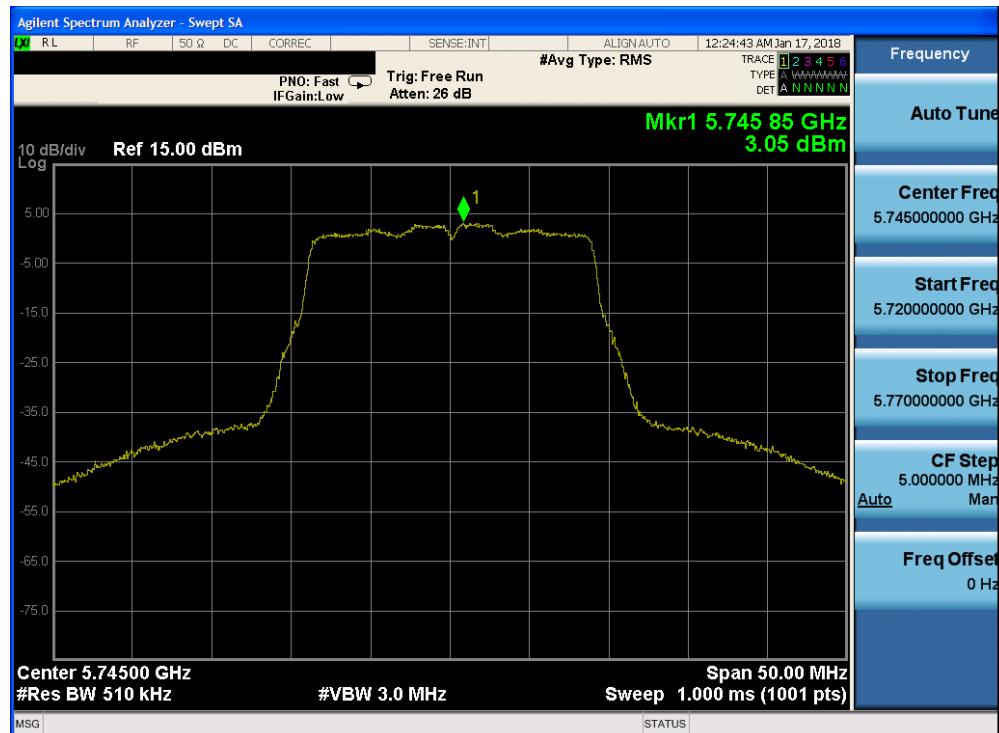


Plot 7-264. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 172 of 298

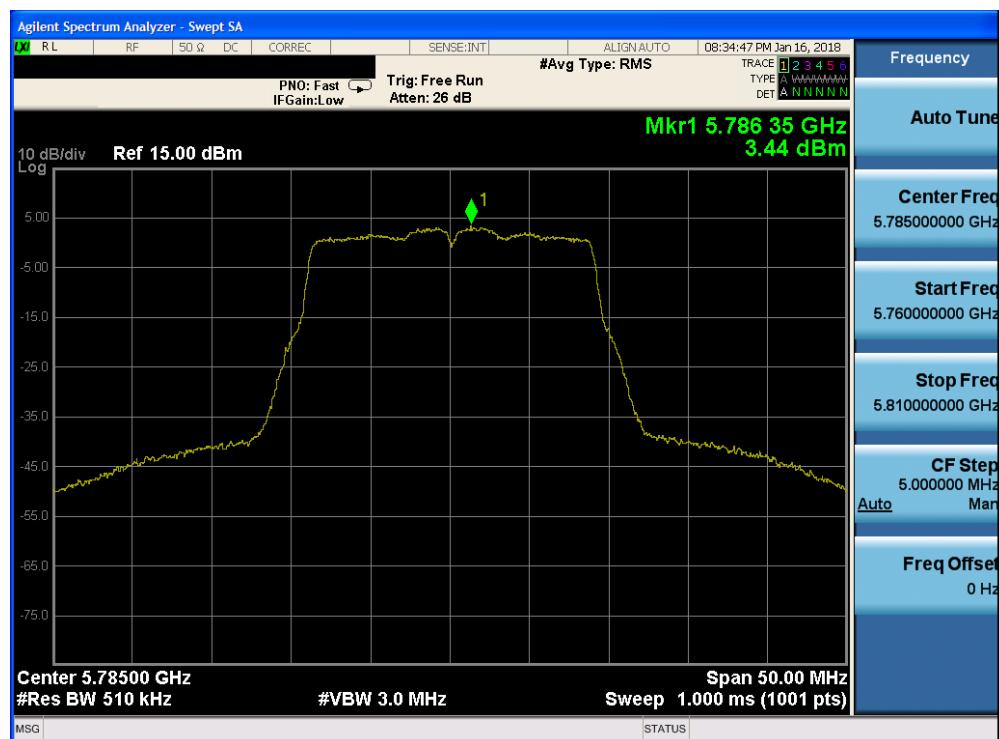


Plot 7-265. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

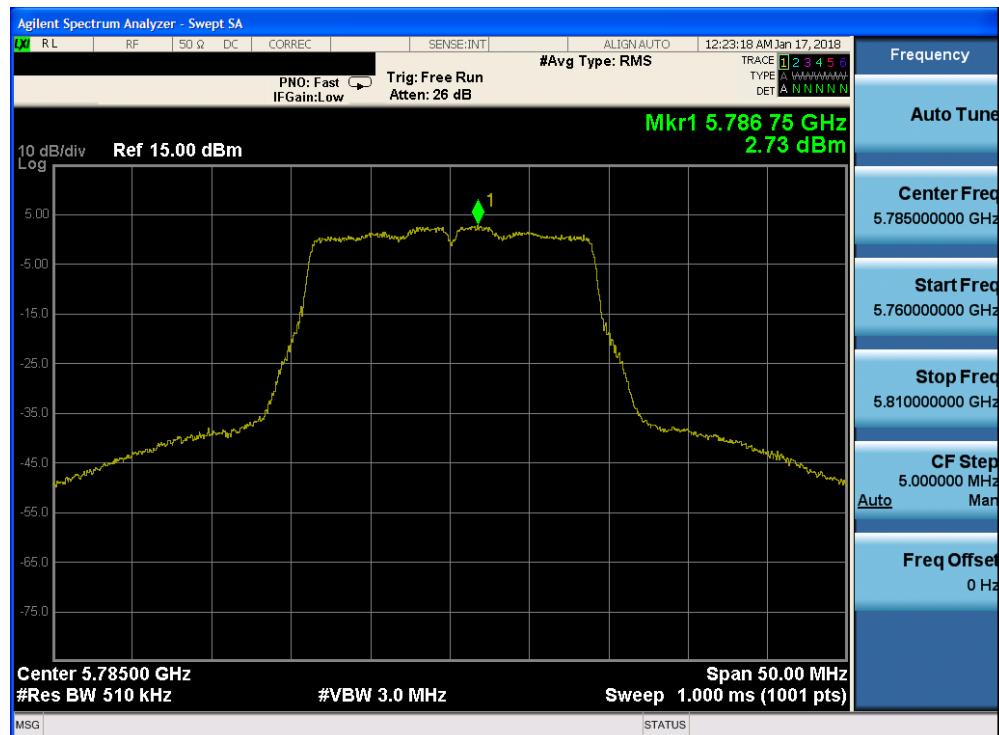


Plot 7-266. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 173 of 298

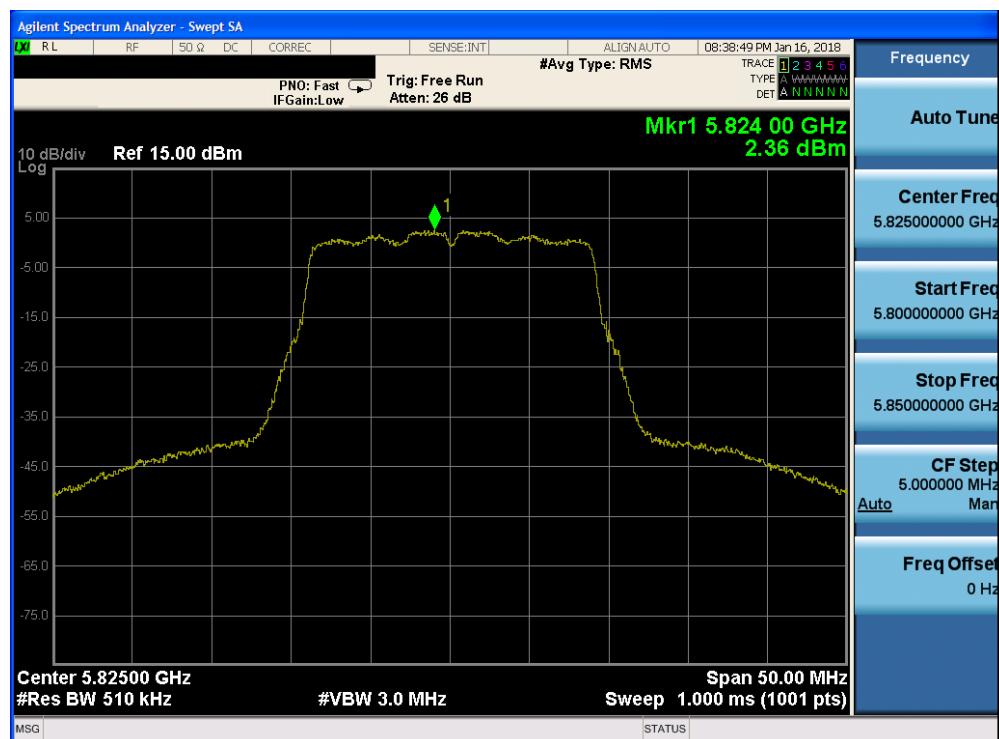


Plot 7-267. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

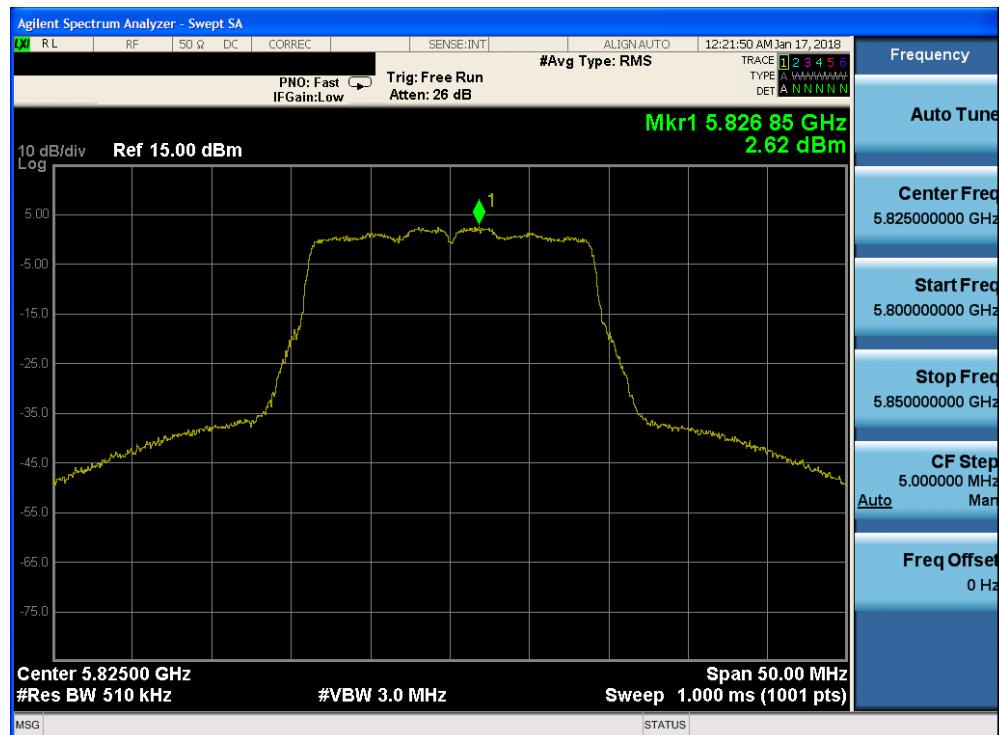


Plot 7-268. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 174 of 298

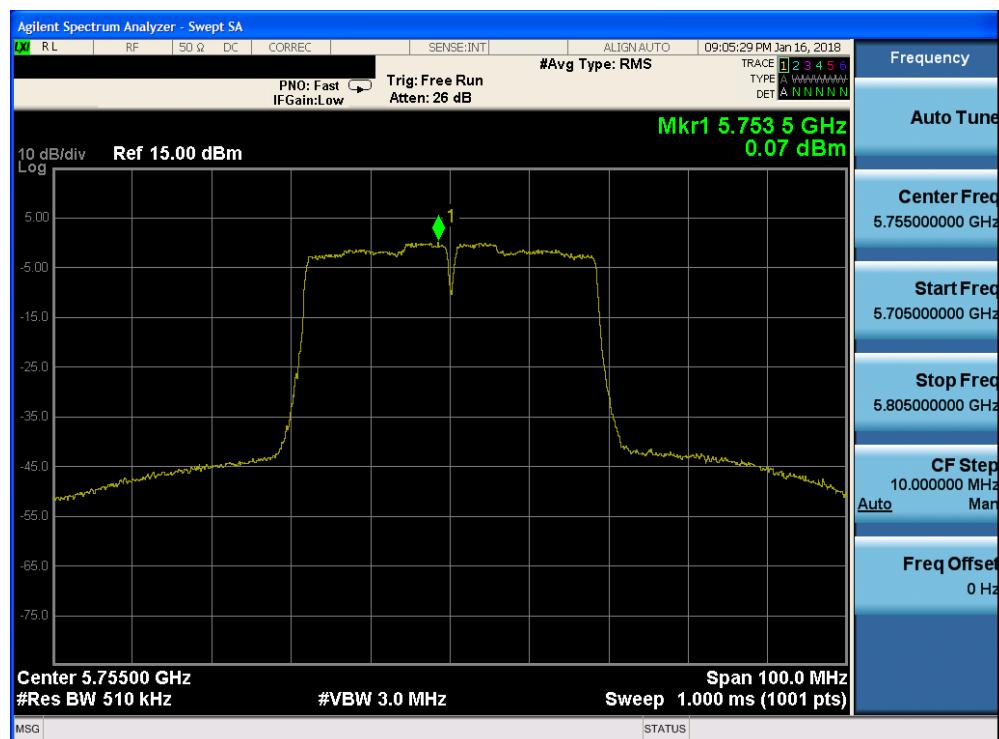


Plot 7-269. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

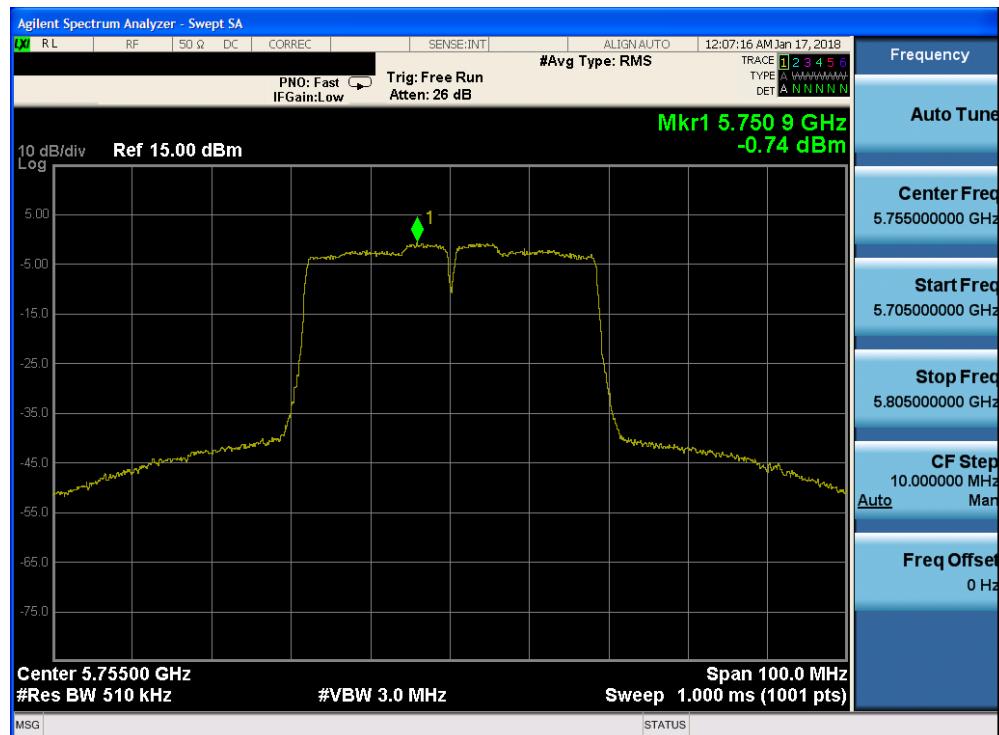


Plot 7-270. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 175 of 298

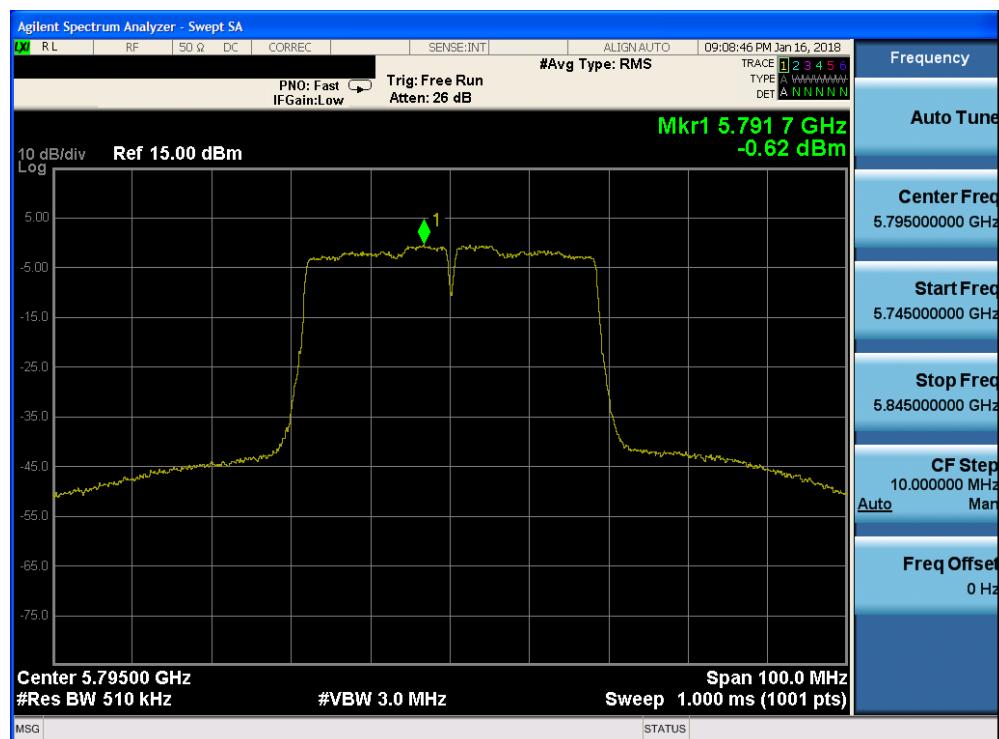


Plot 7-271. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

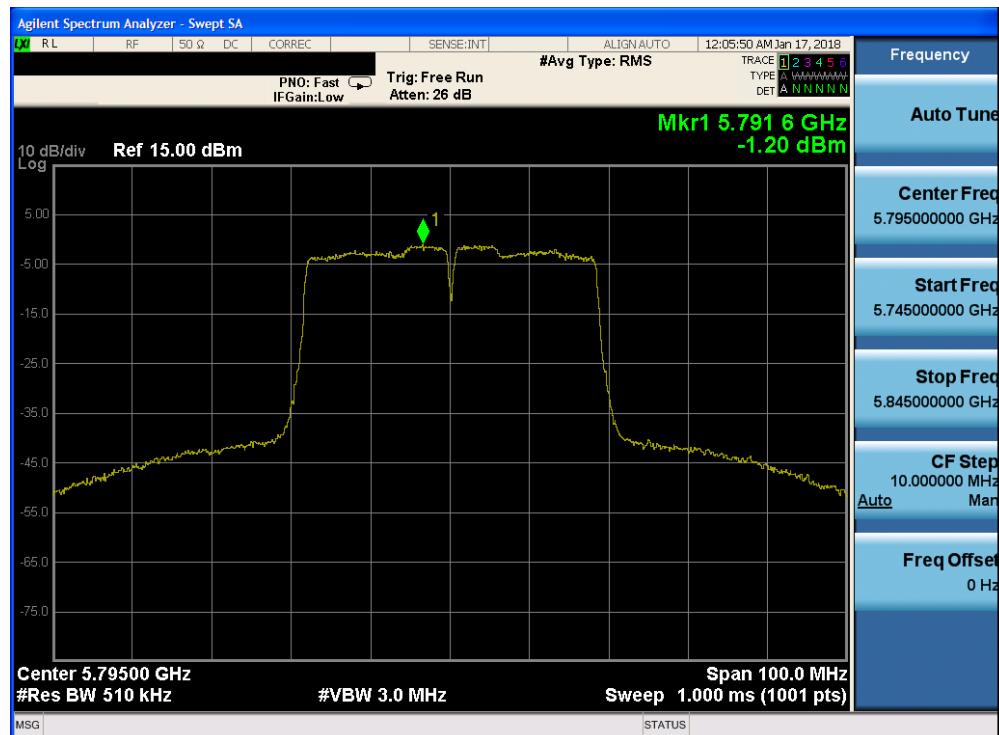


Plot 7-272. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 176 of 298

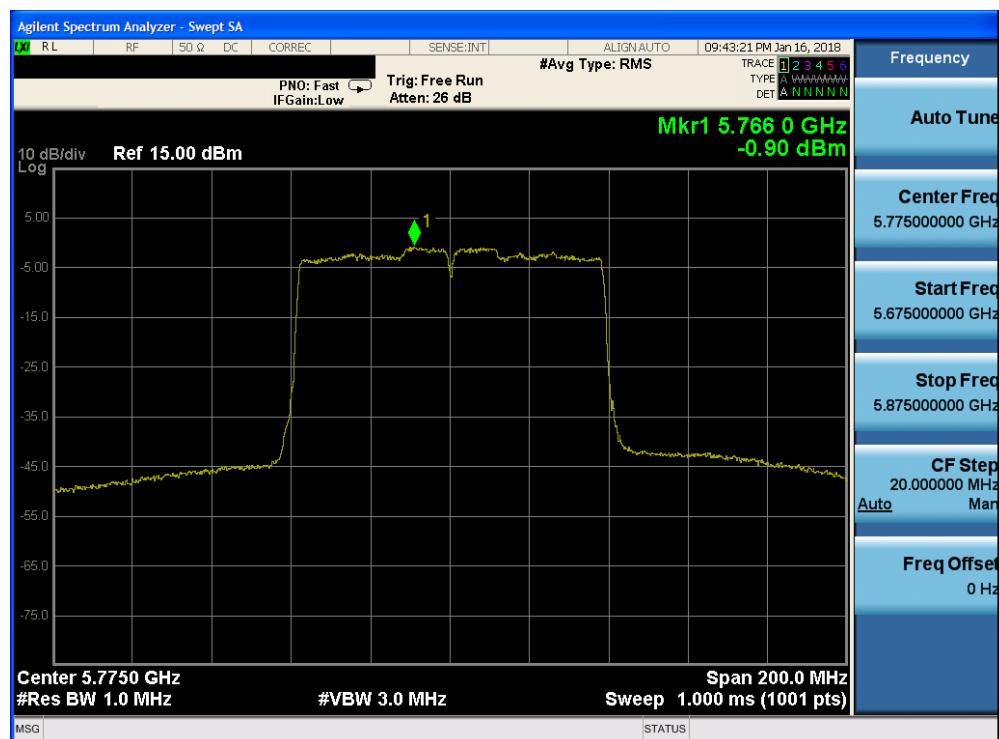


Plot 7-273. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

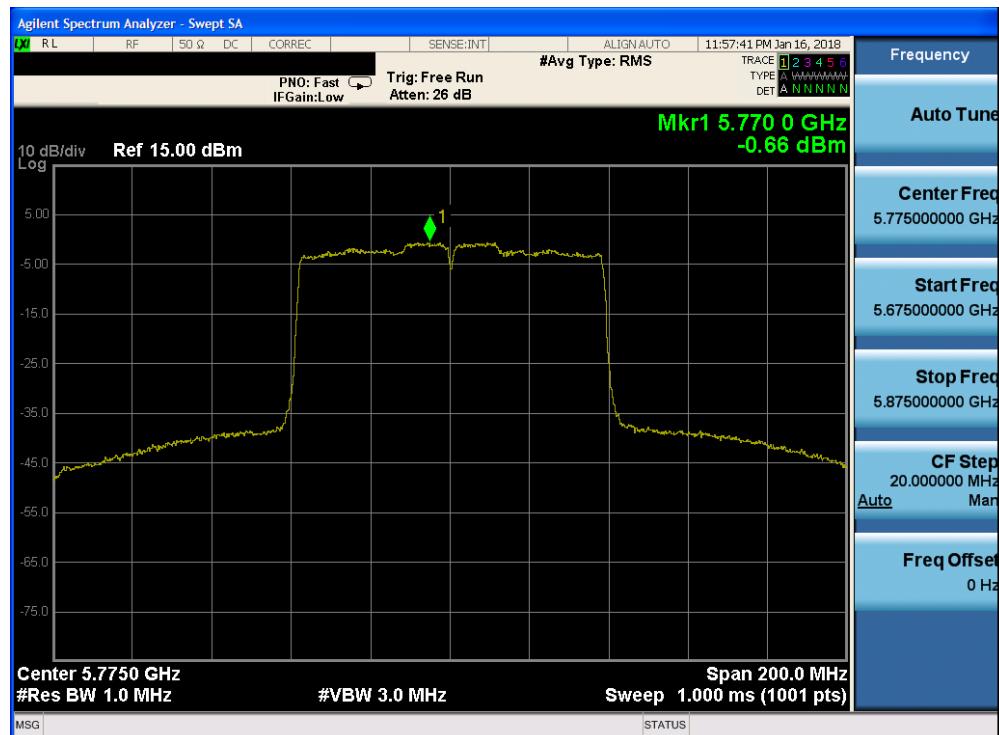


Plot 7-274. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-275. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)



Plot 7-276. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

FCC ID: BCGA1893	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 178 of 298

## 7.6 Radiated Spurious Emission Measurements – Above 1GHz

§15.407(b) §15.205 §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 its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v01r04, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11n (20MHz BW), 802.11n (40MHz BW), and 802.11ac (80MHz)), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

**For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.**

**For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.**

**For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.**

**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 7-35 per Section 15.209 and RSS-Gen (8.9).**

Frequency	Field Strength [ $\mu$ V/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

**Table 7-35. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5  
KDB 789033 D02 v01r04 – Section G

### Test Settings

#### Average Measurements above 1GHz (Method AD)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be  $\geq 2 \times$  span/RBW)
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

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### Peak Measurements above 1GHz

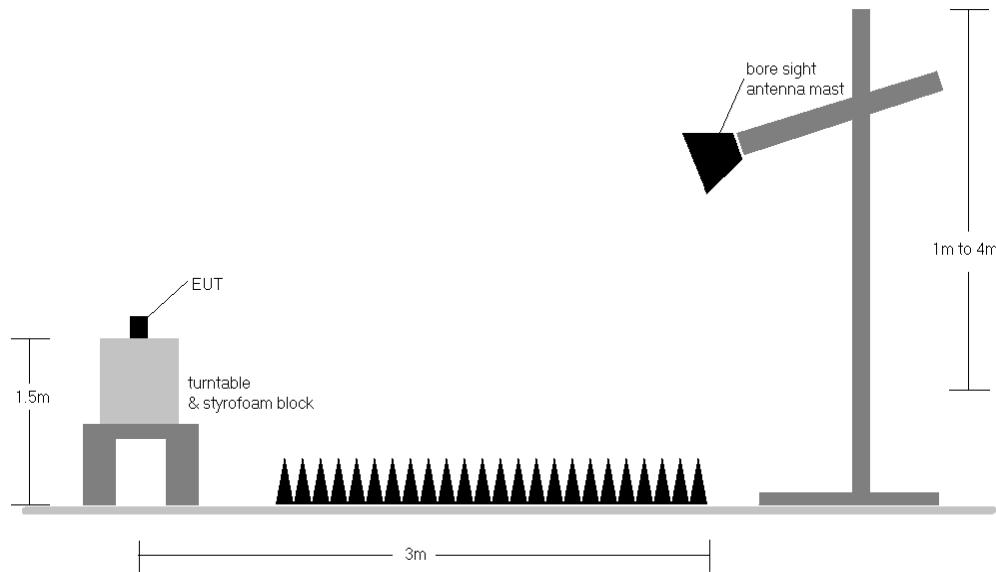
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

### Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

### Test Setup

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



**Figure 7-5. Test Instrument & Measurement Setup**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 180 of 298

## Test Notes

1. All emissions that lie in the restricted bands (denoted by a \* next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-35.
2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-35. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB $\mu$ V/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
6. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. Radiated spurious emissions were investigated while operating in MIMO mode, however, it was determined that single antenna operation produced the worst case emissions. Since the emissions produced from MIMO operation were found to be more than 20dB below the limit, the MIMO emissions are not reported.
8. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
9. The “-” shown in the following RSE tables are used to denote a noise floor measurement.

## Sample Calculations

### Determining Spurious Emissions Levels

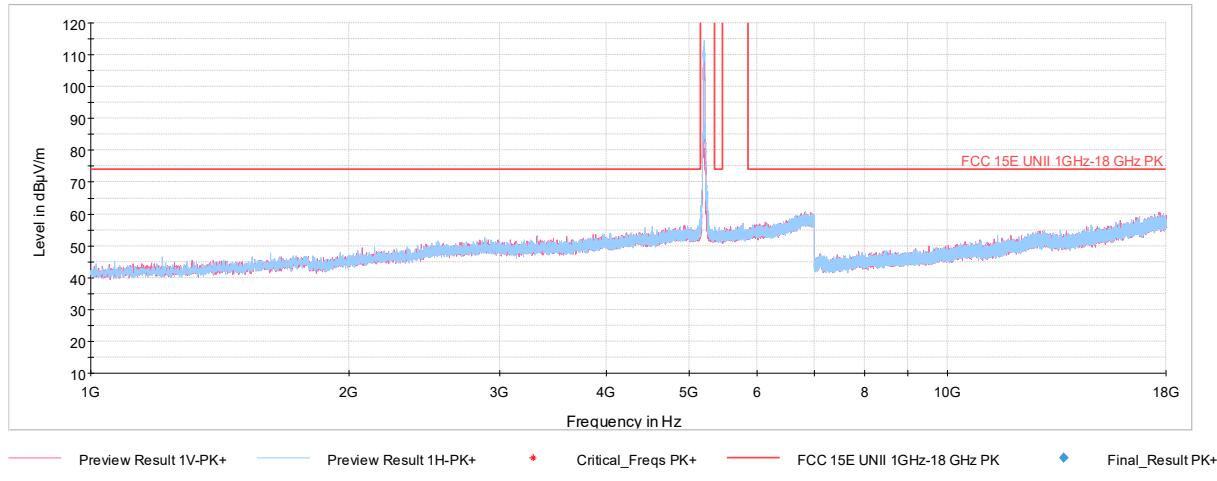
- Field Strength Level [dB $\mu$ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- Margin [dB] = Field Strength Level [dB $\mu$ V/m] – Limit [dB $\mu$ V/m]

### Radiated Band Edge Measurement Offset

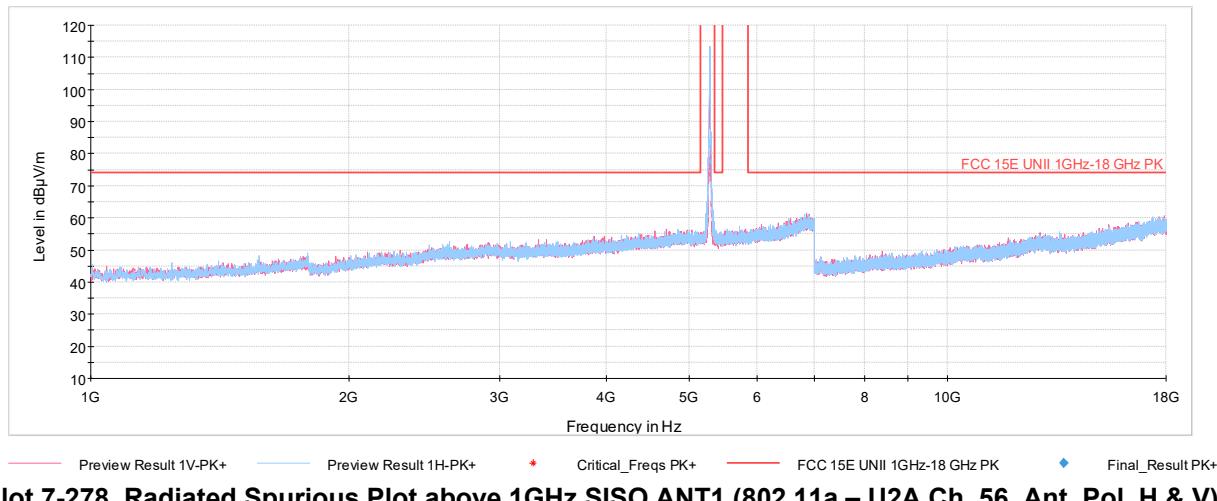
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6 was calculated using the formula:  
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

## 6.7.1 SISO Antenna-1 Radiated Spurious Emission Measurements

FCC ID: BCGA1893	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 181 of 298

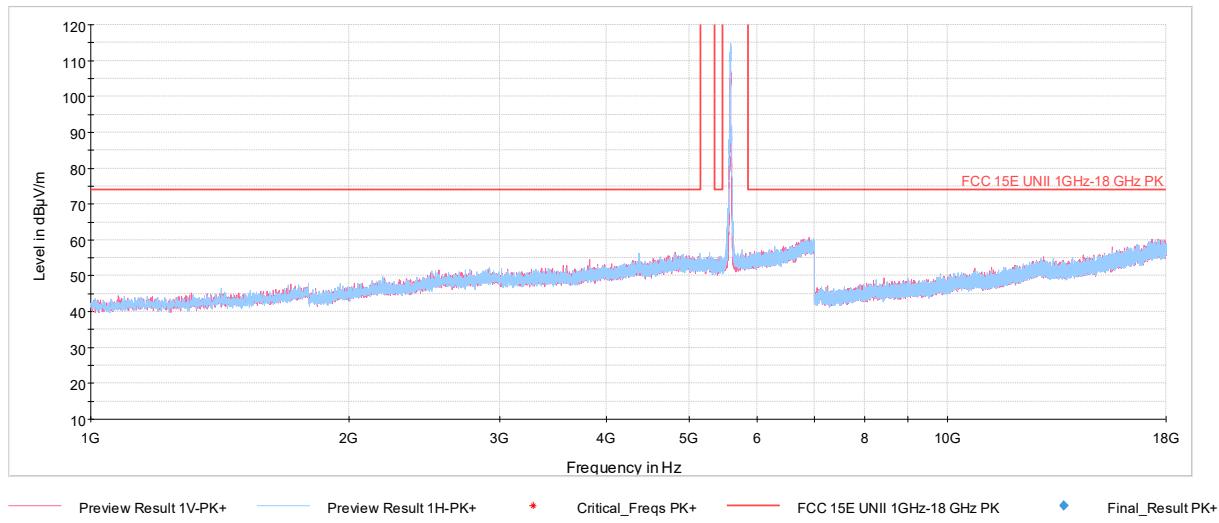


**Plot 7-277. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U1 Ch. 40, Ant. Pol. H & V)**

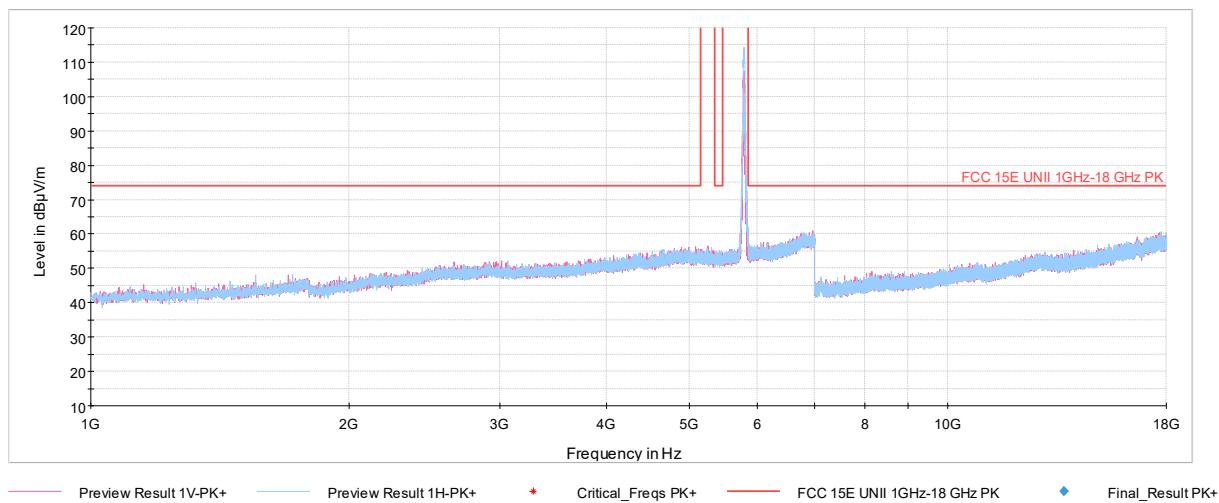


**Plot 7-278. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U2A Ch. 56, Ant. Pol. H & V)**

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 182 of 298



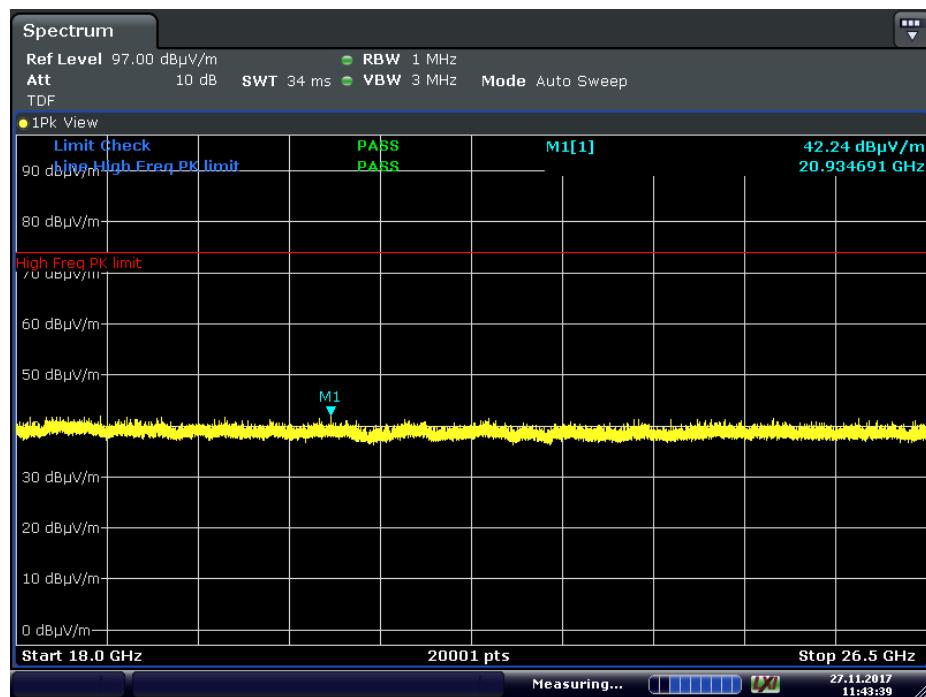
**Plot 7-279. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U2C Ch. 116, Ant. Pol. H & V)**



**Plot 7-280. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U3 Ch. 157, Ant. Pol. H & V)**

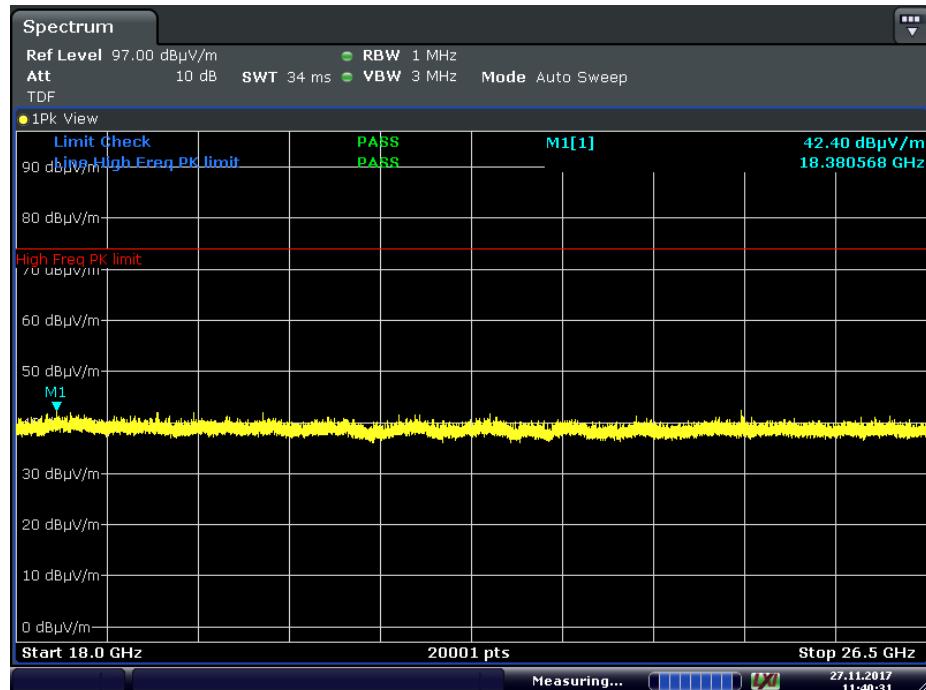
FCC ID: BCGA1893	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 183 of 298	

## SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)



Date: 27 NOV 2017 11:43:40

**Plot 7-281. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT1 (802.11a – Ant. Pol. H)**

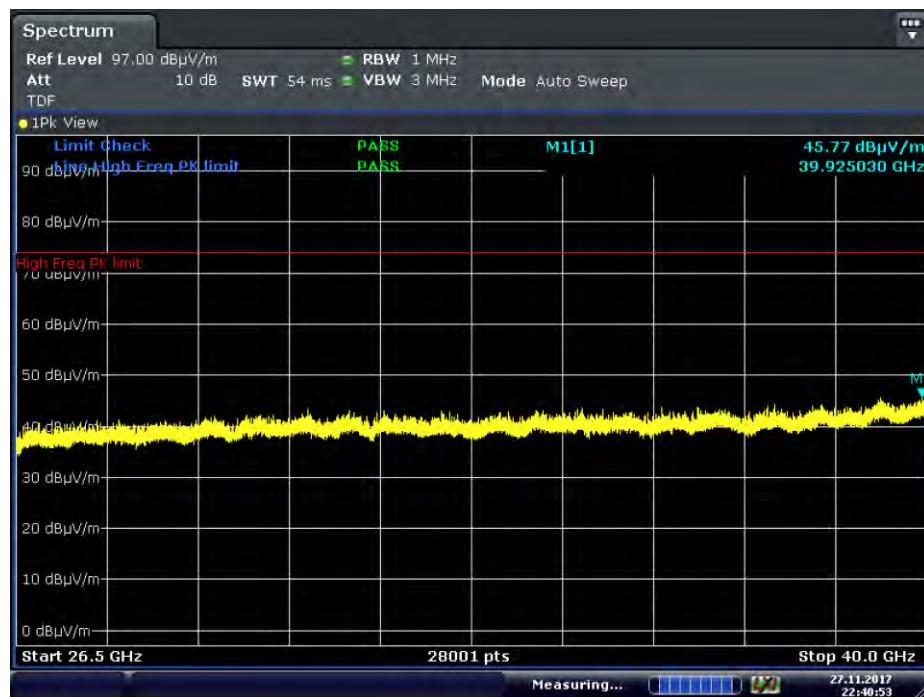


Date: 27 NOV 2017 11:40:31

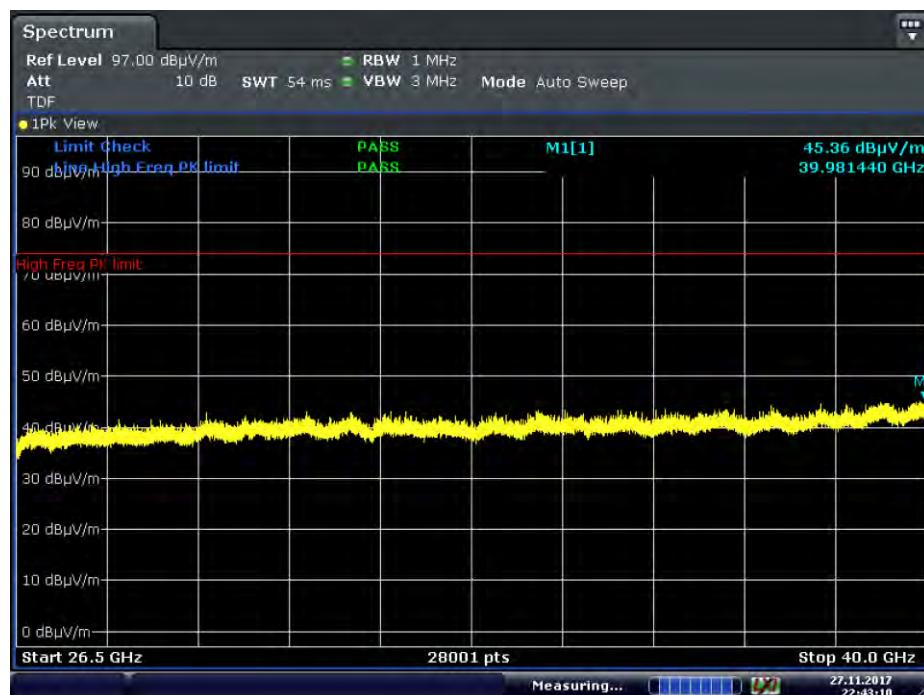
**Plot 7-282. Radiated Spurious Plot above 18GHz - 26.5GHz SISO ANT1 (802.11a – Ant. Pol. V)**

FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device		Page 184 of 298

## SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-283. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT1 (802.11a – Ant. Pol. H)



Plot 7-284. Radiated Spurious Plot above 26.5GHz - 40GHz SISO ANT1 (802.11a – Ant. Pol. V)

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 185 of 298

## SISO Antenna-1 Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5180MHz
Channel:	36

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10360.00	Peak	H	-	-	-71.09	16.94	52.85	68.20	-15.35
15540.00	Average	H	-	-	-82.86	22.33	46.47	53.98	-7.51
15540.00	Peak	H	-	-	-70.99	22.33	58.34	73.98	-15.64

Table 7-36. Radiated Measurements SISO ANT1

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5200MHz
Channel:	40

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10400.00	Peak	H	-	-	-72.00	16.79	51.79	68.20	-16.41
15600.00	Average	H	-	-	-83.20	22.31	46.11	53.98	-7.87
15600.00	Peak	H	-	-	-71.12	22.31	58.19	73.98	-15.79

Table 7-37. Radiated Measurements SISO ANT1

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 186 of 298

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5240MHz  
 Channel: 48

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10480.00	Peak	H	-	-	-71.04	16.85	52.81	68.20	-15.39
15720.00	Average	H	-	-	-83.37	23.21	46.84	53.98	-7.14
15720.00	Peak	H	-	-	-71.38	23.21	58.83	73.98	-15.15

**Table 7-38. Radiated Measurements SISO ANT1**

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5260MHz  
 Channel: 52

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10520.00	Peak	H	-	-	-63.79	16.71	59.92	68.20	-8.28
* 15780.00	Average	H	-	-	-84.02	23.97	46.95	53.98	-7.03
* 15780.00	Peak	H	-	-	-72.39	23.97	58.58	73.98	-15.40

**Table 7-39. Radiated Measurements SISO ANT1**

FCC ID: BCGA1893	 PCTEST	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5280MHz
Channel:	56

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10560.00	Peak	H	-	-	-71.40	17.11	52.71	68.20	-15.49
* 15840.00	Average	H	-	-	-83.70	23.30	46.60	53.98	-7.38
* 15840.00	Peak	H	-	-	-72.28	23.30	58.02	73.98	-15.96

**Table 7-40. Radiated Measurements SISO ANT1**

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5320MHz
Channel:	64

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 10640.00	Average	H	-	-	-82.70	16.97	41.27	53.98	-12.71
* 10640.00	Peak	H	-	-	-70.19	16.97	53.78	73.98	-20.20
* 15960.00	Average	H	-	-	-82.86	23.20	47.34	53.98	-6.64
* 15960.00	Peak	H	-	-	-71.46	23.20	58.74	73.98	-15.24

**Table 7-41. Radiated Measurements SISO ANT1**

FCC ID: BCGA1893	 <b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5500MHz
Channel:	100

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	
*	11000.00	Average	H	-	-	-82.44	17.31	41.87	53.98	-12.11
*	11000.00	Peak	H	-	-	-70.78	17.31	53.53	73.98	-20.45
	16500.00	Peak	H	-	-	-71.79	23.53	58.74	68.20	-9.46

**Table 7-42. Radiated Measurements SISO ANT1**

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5580MHz
Channel:	116

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	
*	11160.00	Average	H	-	-	-82.06	17.10	42.04	53.98	-11.94
*	11160.00	Peak	H	-	-	-71.77	17.10	52.33	73.98	-21.65
	16740.00	Peak	H	-	-	-70.74	23.32	59.58	68.20	-8.62

**Table 7-43. Radiated Measurements SISO ANT1**

FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5720MHz  
 Channel: 144

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11440.00	Average	H	-	-	-82.11	17.30	42.19	53.98	-11.79
* 11440.00	Peak	H	-	-	-70.73	17.30	53.57	73.98	-20.41
17160.00	Peak	H	-	-	-71.03	24.45	60.42	68.20	-7.78

**Table 7-44. Radiated Measurements SISO ANT1**

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5745MHz  
 Channel: 149

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11490.00	Average	H	-	-	-82.59	17.64	42.05	53.98	-11.93
* 11490.00	Peak	H	-	-	-70.58	17.64	54.06	73.98	-19.92
17235.00	Peak	H	-	-	-71.13	24.72	60.59	68.20	-7.61

**Table 7-45. Radiated Measurements SISO ANT1**

FCC ID: BCGA1893	 <b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5785MHz  
 Channel: 157

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11570.00	Average	H	-	-	-83.12	18.20	42.08	53.98	-11.90
* 11570.00	Peak	H	-	-	-71.72	18.20	53.48	73.98	-20.50
17355.00	Peak	H	-	-	-71.17	25.77	61.60	68.20	-6.60

**Table 7-46. Radiated Measurements SISO ANT1**

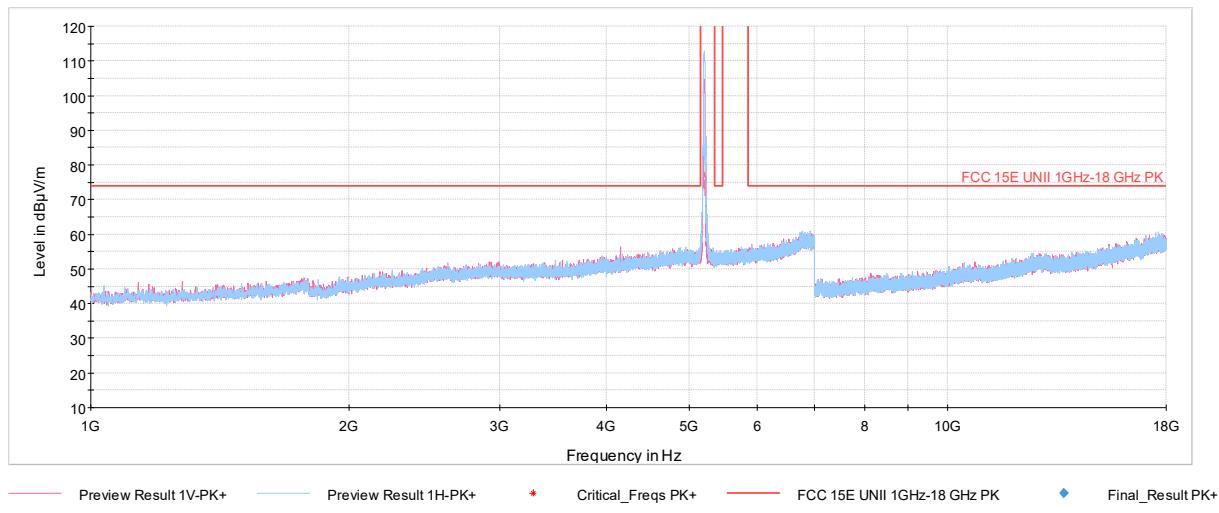
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5825MHz  
 Channel: 165

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11650.00	Average	H	-	-	-82.51	18.08	42.57	53.98	-11.41
* 11650.00	Peak	H	-	-	-70.59	18.08	54.49	73.98	-19.49
17475.00	Peak	H	-	-	-71.47	25.16	60.69	68.20	-7.51
23300.00	Peak	H	-	-	-60.07	-4.98	41.95	68.20	-26.25
29125.00	Peak	H	-	-	-64.05	-3.21	39.74	68.20	-28.46

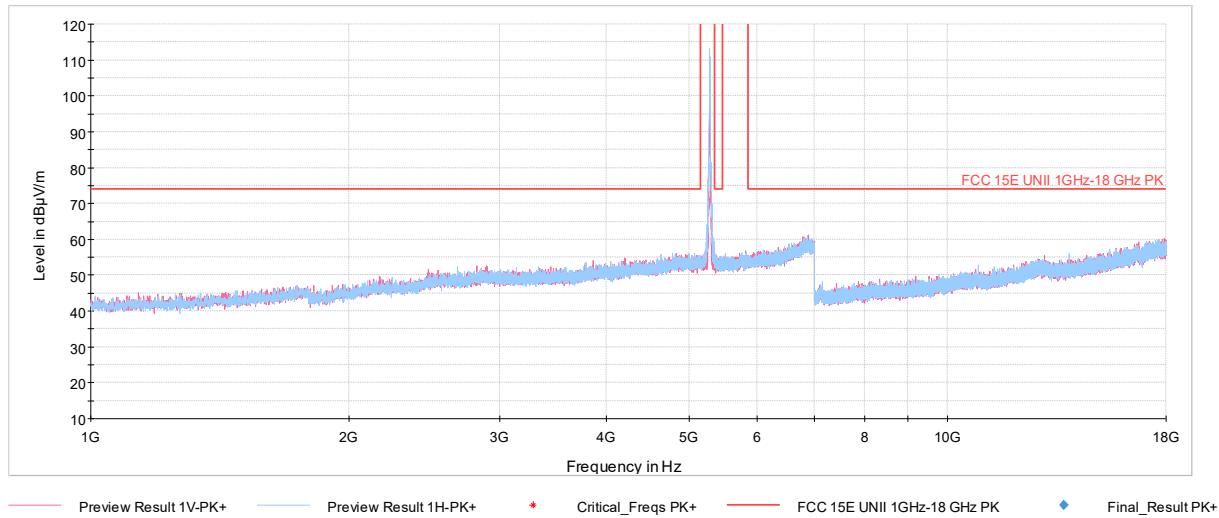
**Table 7-47. Radiated Measurements SISO ANT1**

FCC ID: BCGA1893	 <b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

## 6.7.2 SISO Antenna-2 Radiated Spurious Emission Measurements

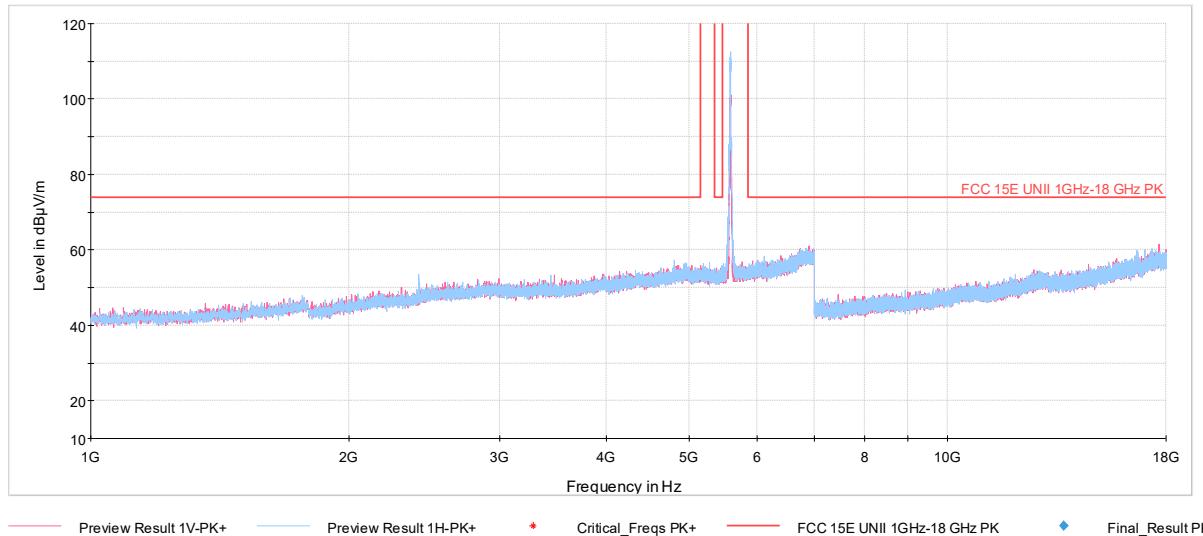


Plot 7-285. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11a – U1 Ch. 40, Ant. Pol. H & V)

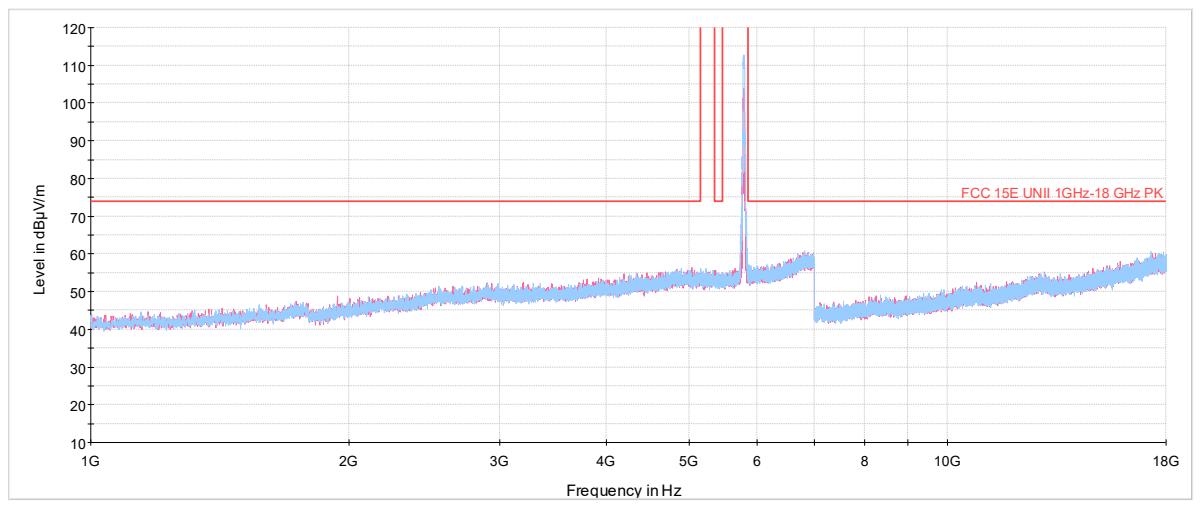


Plot 7-286. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11a – U2A Ch. 56, Ant. Pol. H & V)

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 192 of 298



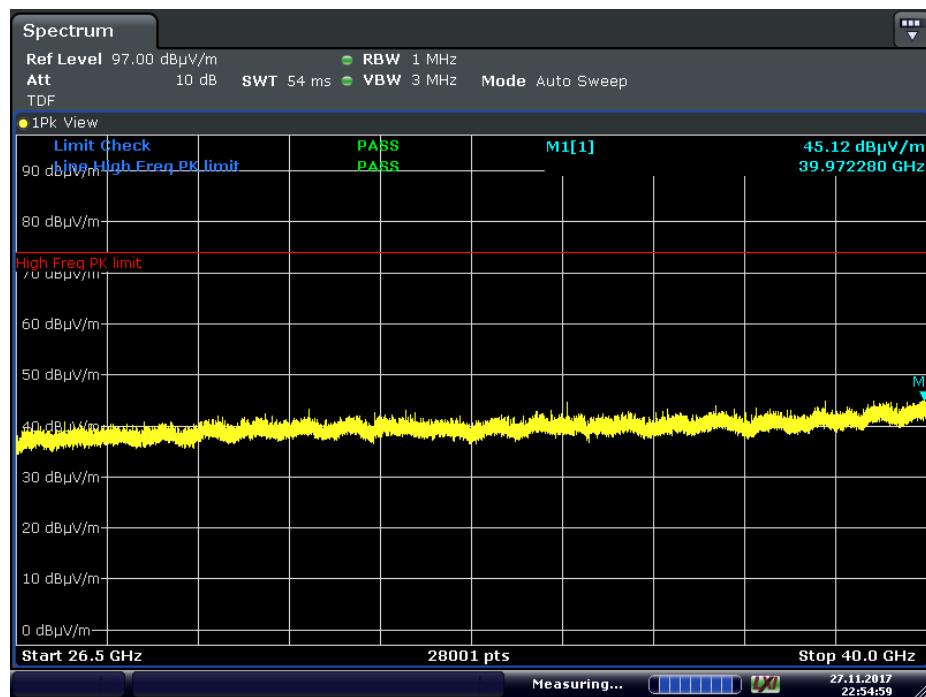
**Plot 7-287. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11a – U2C Ch. 116, Ant. Pol. H & V)**



**Plot 7-288. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11a – U3 Ch. 157, Ant. Pol. H & V)**

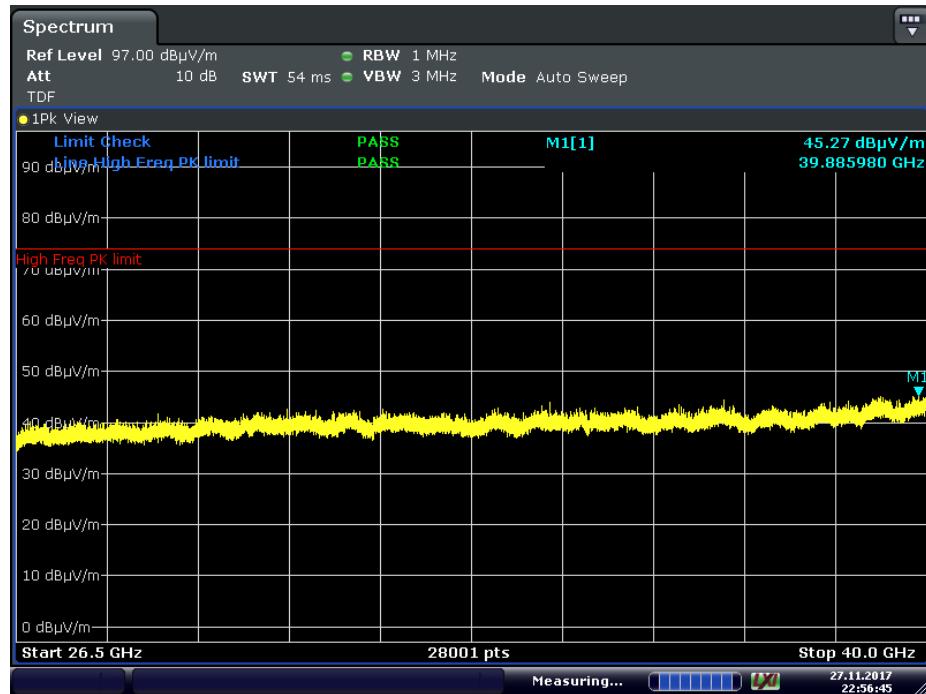
FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 193 of 298

## SISO Antenna-2 Radiated Spurious Emissions Measurements (Above 18GHz)



Date: 27 NOV 2017 22:55:00

**Plot 7-289. Radiated Spurious Plot above 18GHz - 26.5GHz SISO ANT2 (802.11a – Ant. Pol. H)**

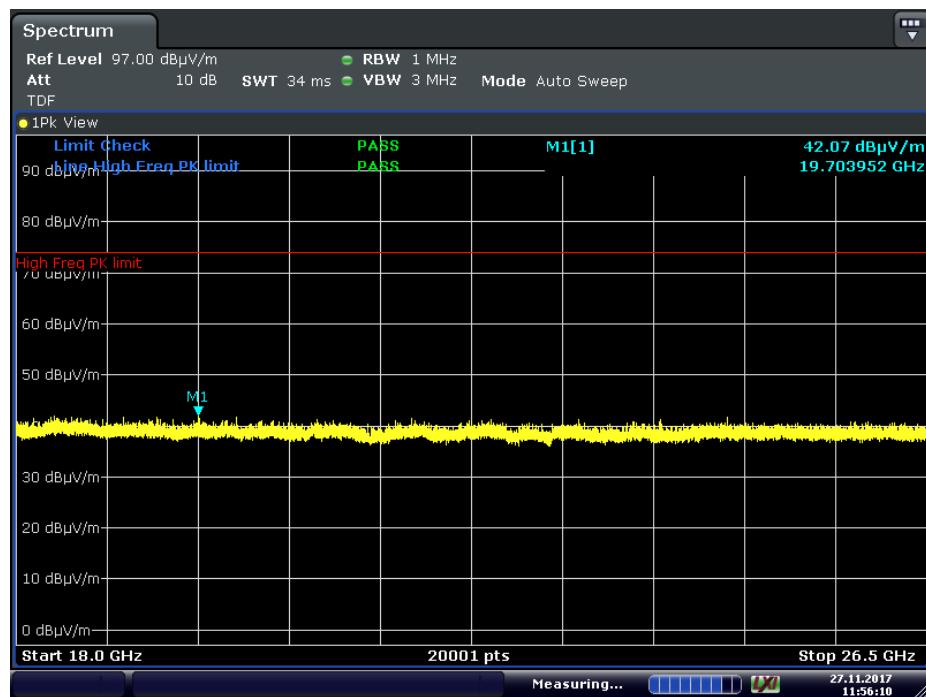


Date: 27 NOV 2017 22:56:46

**Plot 7-290. Radiated Spurious Plot above 18GHz - 26.5GHz SISO ANT2 (802.11a – Ant. Pol. V)**

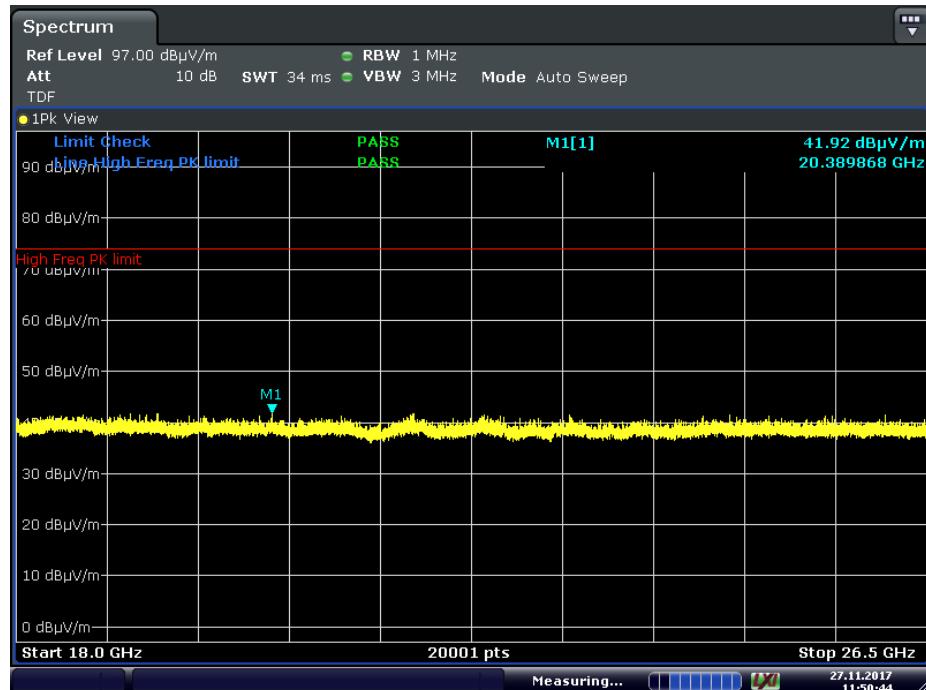
FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 194 of 298

## SISO Antenna-2 Radiated Spurious Emissions Measurements (Above 18GHz)



Date: 27 NOV 2017 11:56:10

**Plot 7-291. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT2 (802.11a – Ant. Pol. H)**



Date: 27 NOV 2017 11:50:45

**Plot 7-292. Radiated Spurious Plot above 26.5GHz - 40GHz SISO ANT2 (802.11a – Ant. Pol. V)**

FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device		Page 195 of 298

## SISO Antenna-2 Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5180MHz
Channel:	36

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10360.00	Peak	H	-	-	-70.02	16.94	53.92	68.20	-14.28
* 15540.00	Average	H	-	-	-83.25	22.33	46.08	53.98	-7.90
* 15540.00	Peak	H	-	-	-70.66	22.33	58.67	73.98	-15.31

Table 7-48. Radiated Measurements SISO ANT2

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5200MHz
Channel:	40

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10400.00	Peak	H	-	-	-70.72	16.79	53.07	68.20	-15.13
* 15600.00	Average	H	-	-	-83.48	22.31	45.83	53.98	-8.15
* 15600.00	Peak	H	-	-	-70.82	22.31	58.49	73.98	-15.49

Table 7-49. Radiated Measurements SISO ANT2

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 196 of 298

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5240MHz
Channel:	48

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10480.00	Peak	H	-	-	-70.48	16.85	53.37	68.20	-14.83
* 15720.00	Average	H	-	-	-83.71	23.21	46.50	53.98	-7.48
* 15720.00	Peak	H	-	-	-70.76	23.21	59.45	73.98	-14.53

**Table 7-50. Radiated Measurements SISO ANT2**

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5260MHz
Channel:	52

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10520.00	Peak	H	-	-	-69.87	16.71	53.84	68.20	-14.36
* 15780.00	Average	H	-	-	-84.52	23.97	46.45	53.98	-7.53
* 15780.00	Peak	H	-	-	-71.44	23.97	59.53	73.98	-14.45

**Table 7-51. Radiated Measurements SISO ANT2**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device			Page 197 of 298

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5280MHz
Channel:	56

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10560.00	Peak	H	-	-	-70.39	17.11	53.72	68.20	-14.48
* 15840.00	Average	H	-	-	-84.05	23.30	46.25	53.98	-7.73
* 15840.00	Peak	H	-	-	-70.85	23.30	59.45	73.98	-14.53

**Table 7-52. Radiated Measurements SISO ANT2**

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	HT20
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5320MHz
Channel:	64

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 10640.00	Average	H	-	-	-82.75	16.97	41.22	53.98	-12.76
* 10640.00	Peak	H	-	-	-69.41	16.97	54.56	73.98	-19.42
* 15960.00	Average	H	-	-	-83.47	23.20	46.73	53.98	-7.25
* 15960.00	Peak	H	-	-	-70.91	23.20	59.29	73.98	-14.69

**Table 7-53. Radiated Measurements SISO ANT2**

FCC ID: BCGA1893	 <b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5500MHz  
 Channel: 100

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11000.00	Average	H	-	-	-82.97	17.31	41.34	53.98	-12.64
* 11000.00	Peak	H	-	-	-70.46	17.31	53.85	73.98	-20.13
16500.00	Peak	H	-	-	-70.32	23.53	60.21	68.20	-7.99

**Table 7-54. Radiated Measurements SISO ANT2**

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5580MHz  
 Channel: 116

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11160.00	Average	H	-	-	-82.52	17.11	41.59	53.98	-12.39
* 11160.00	Peak	H	-	-	-69.74	17.11	54.37	73.98	-19.61
16740.00	Peak	H	-	-	-71.33	24.35	60.02	68.20	-8.18

**Table 7-55. Radiated Measurements SISO ANT2**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5720MHz  
 Channel: 144

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11440.00	Average	H	-	-	-82.80	17.30	41.50	53.98	-12.48
* 11440.00	Peak	H	-	-	-69.94	17.30	54.36	73.98	-19.62
17160.00	Peak	H	-	-	-70.67	24.45	60.78	68.20	-7.42

**Table 7-56. Radiated Measurements SISO ANT2**

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5745MHz  
 Channel: 149

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11490.00	Average	H	-	-	-83.26	17.64	41.38	53.98	-12.60
* 11490.00	Peak	H	-	-	-70.86	17.64	53.78	73.98	-20.20
17235.00	Peak	H	-	-	-70.69	24.72	61.03	68.20	-7.17

**Table 7-57. Radiated Measurements SISO ANT2**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5785MHz  
 Channel: 157

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11570.00	Average	H	-	-	-83.10	18.20	42.10	53.98	-11.88
* 11570.00	Peak	H	-	-	-71.79	18.20	53.41	73.98	-20.57
17355.00	Peak	H	-	-	-71.35	25.77	61.42	68.20	-6.78

**Table 7-58. Radiated Measurements SISO ANT2**

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: HT20  
 Distance of Measurements: 1 & 3 Meters  
 Operating Frequency: 5825MHz  
 Channel: 165

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11650.00	Average	H	-	-	-82.56	18.08	42.52	53.98	-11.46
* 11650.00	Peak	H	-	-	-70.43	18.08	54.65	73.98	-19.33
17475.00	Peak	H	-	-	-70.69	25.16	61.47	68.20	-6.73
23300.00	Peak	H	-	-	-60.15	-4.98	41.87	68.20	-26.33
29125.00	Peak	H	-	-	-63.62	-3.21	40.17	68.20	-28.03

**Table 7-59. Radiated Measurements SISO ANT2**

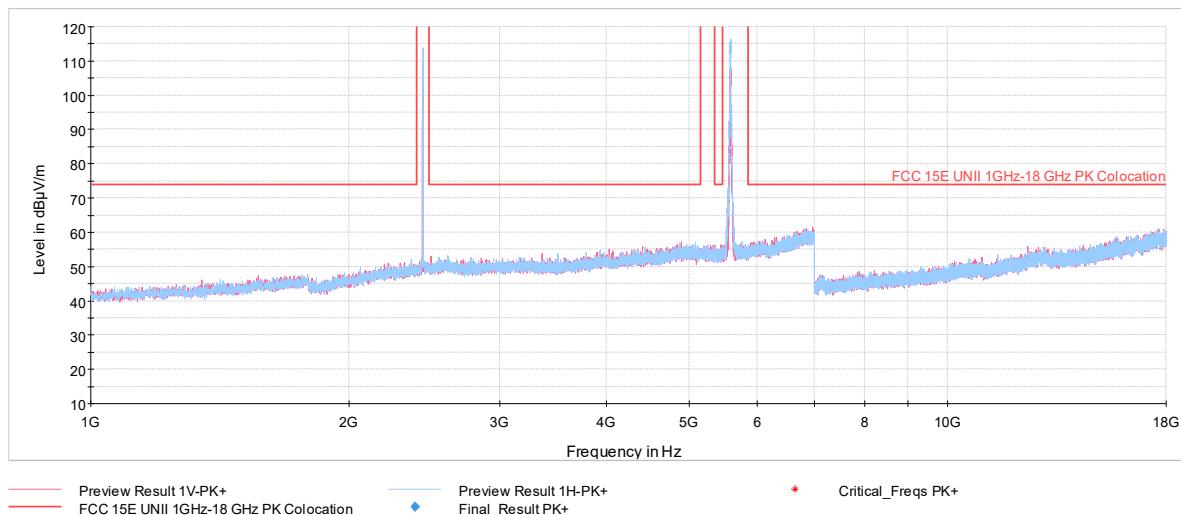
FCC ID: BCGA1893	 <b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

### 6.7.3 Simultaneous Tx Radiated Spurious Emissions Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

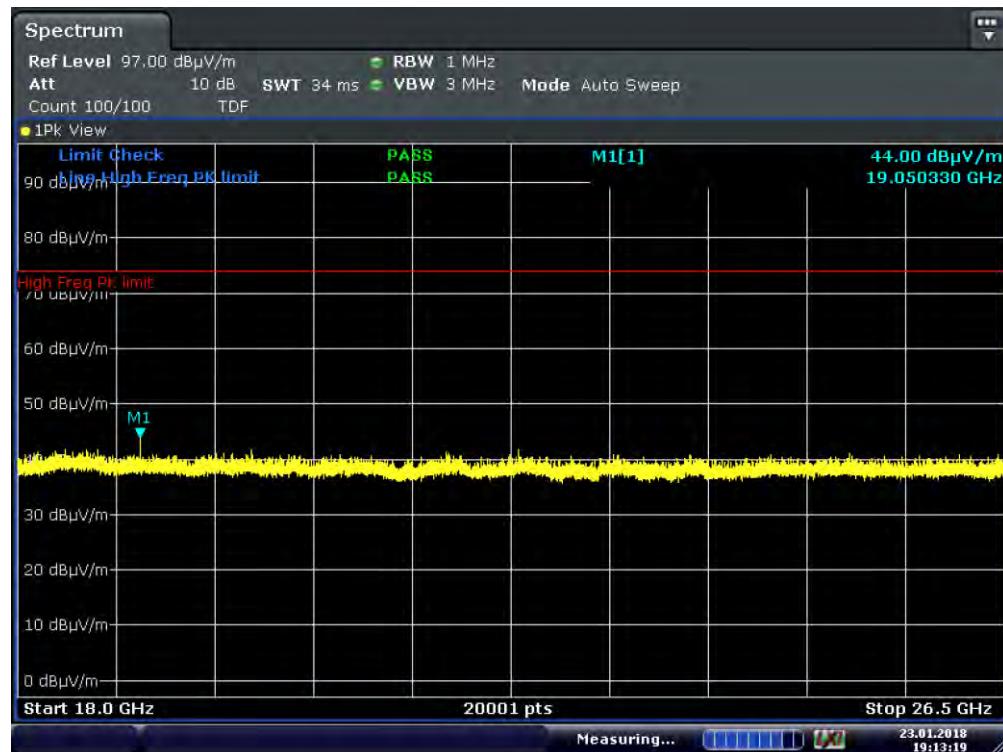
Description	2.4 GHz Bluetooth Emission	5 GHz Emission
Antenna	1	1,2
Channel	39	116
Operating Frequency (MHz)	2441	5580
Data Rate (Mbps)	1	MCS0
Mode	GFSK_ePA	802.11n_HT20

**Table 7-60. Simultaneous Transmission Config-1**

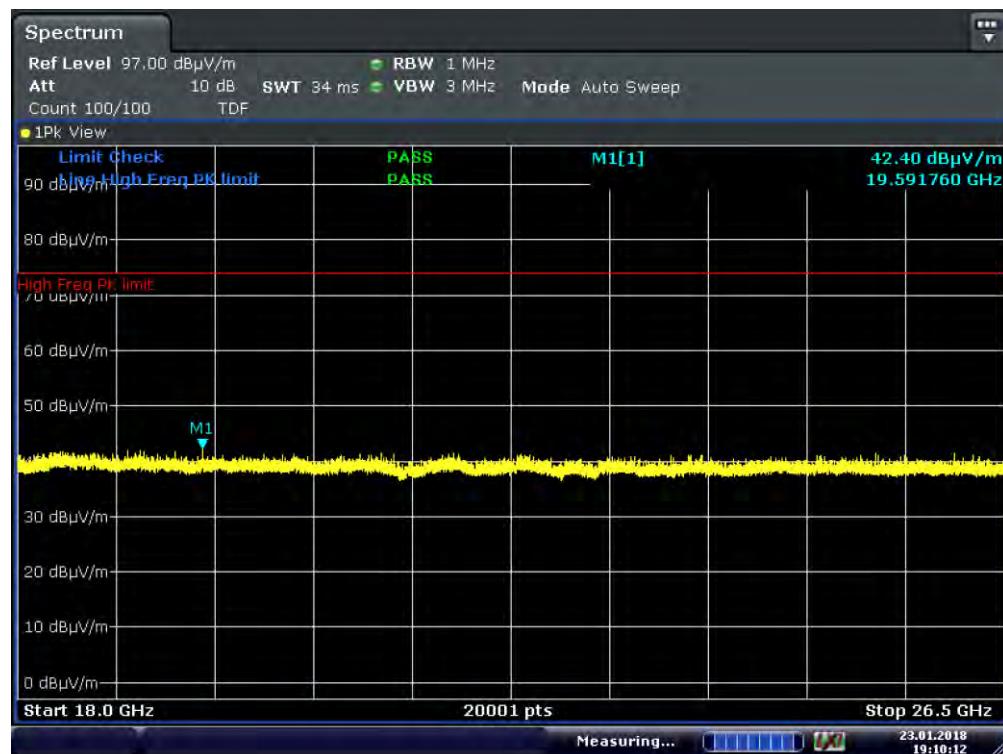


**Plot 7-293. Radiated Spurious Plot above 1GHz Simultaneous Tx (2.4GHz – 5GHz, Ant. Pol. H & V)**

FCC ID: BCGA1893	 <b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 202 of 298

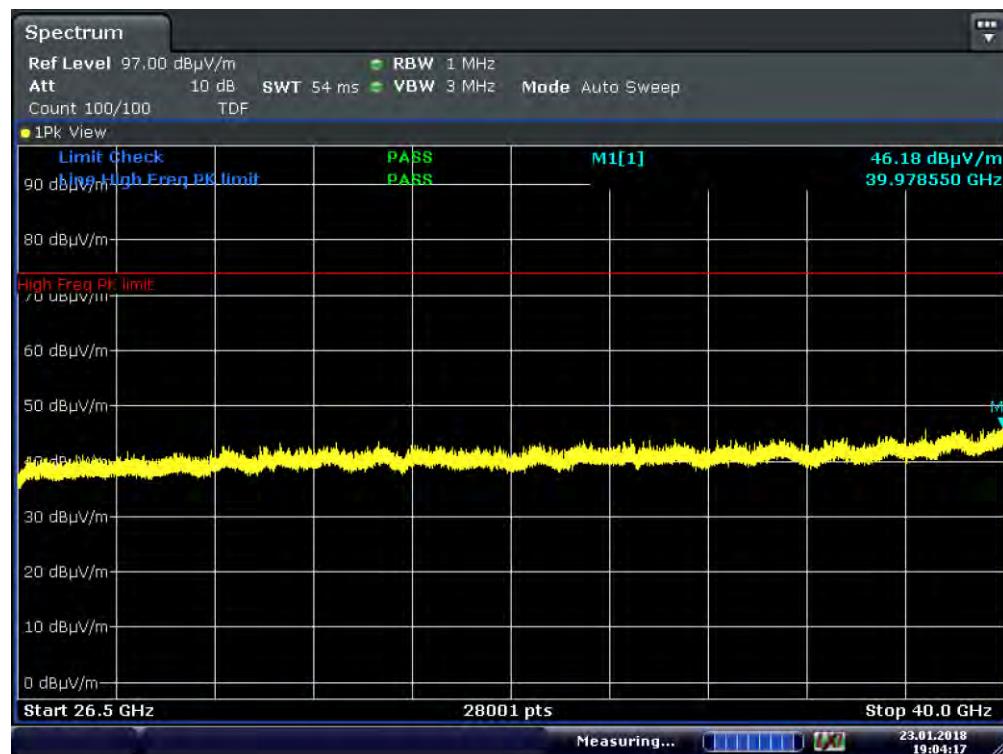


Plot 7-294. Radiated Spurious Plot 18GHz – 26.5GHz Simultaneous Tx (2.4GHz – 5GHz, Ant. Pol. H)

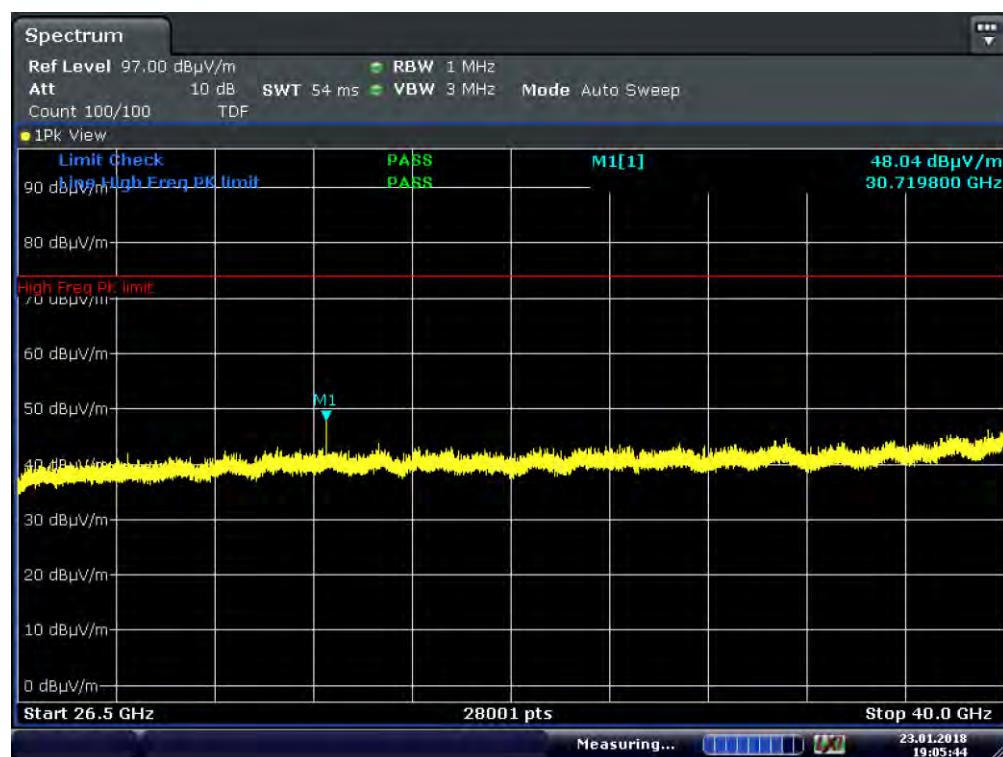


Plot 7-295. Radiated Spurious Plot 18GHz – 26.5GHz Simultaneous Tx (2.4GHz – 5GHz, Ant. Pol. V)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 203 of 298



Plot 7-296. Radiated Spurious Plot above 26.5GHz Simultaneous Tx (2.4GHz – 5GHz, Ant. Pol. H)



Plot 7-297. Radiated Spurious Plot above 26.5GHz Simultaneous Tx (2.4GHz – 5GHz, Ant. Pol. V)

FCC ID: BCGA1893	<b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 204 of 298

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 4882.00	Average	H	-	-	-70.51	6.99	43.48	53.98	-10.50
* 4882.00	Peak	H	-	-	-58.79	6.99	55.20	73.98	-18.78
* 7323.00	Average	H	-	-	-81.13	11.87	37.74	53.98	-16.24
* 7323.00	Peak	H	-	-	-69.13	11.87	49.74	73.98	-24.24
* 11160.00	Average	H	-	-	-82.85	17.10	41.25	53.98	-12.73
* 11160.00	Peak	H	-	-	-71.63	17.10	52.47	73.98	-21.51
* 16740.00	Average	H	-	-	-82.45	23.32	47.87	53.98	-6.11
* 16740.00	Peak	H	-	-	-71.61	23.32	58.71	73.98	-15.27
* 19528.00	Average	H	-	-	-72.73	-4.18	30.09	53.98	-23.89
* 19528.00	Peak	H	-	-	-60.97	-4.18	41.85	73.98	-32.13
* 21969.00	Average	H	-	-	-72.06	-4.64	30.30	53.98	-23.68
* 21969.00	Peak	H	-	-	-60.74	-4.64	41.62	73.98	-32.36
* 24410.00	Average	H	-	-	-71.91	-4.77	30.32	53.98	-23.66
* 24410.00	Peak	H	-	-	-57.25	-4.77	44.98	73.98	-29.00
* 22320.00	Average	H	-	-	-69.75	-4.73	32.52	53.98	-21.46
* 22320.00	Peak	H	-	-	-59.42	-4.73	42.85	73.98	-31.13
* 27900.00	Average	H	-	-	-73.63	-3.50	29.87	53.98	-24.11
* 27900.00	Peak	H	-	-	-60.51	-3.50	42.99	73.98	-30.99
* 33480.00	Average	H	-	-	-72.86	-2.66	31.48	53.98	-22.50
* 33480.00	Peak	H	-	-	-60.72	-2.66	43.62	73.98	-30.36
* 39060.00	Average	H	-	-	-71.69	-1.97	33.34	53.98	-20.64
* 39060.00	Peak	H	-	-	-59.00	-1.97	46.03	73.98	-27.95

**Table 7-61. Radiated Measurements Simultaneous Tx (ANT1 2.4GHz – ANT2 5GHz)**

FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device				

## 6.7.4 SISO Antenna-1 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

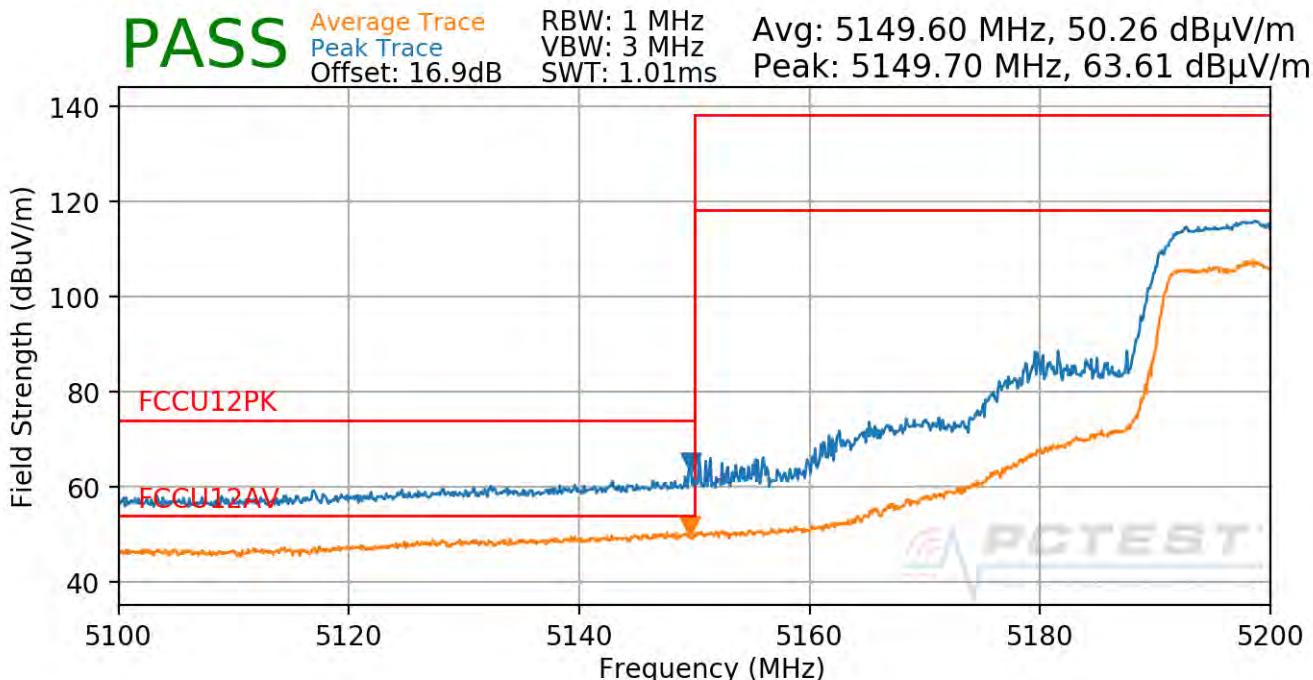


20:12:35 16.12.2017

Plot 7-298. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 1)

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 206 of 298

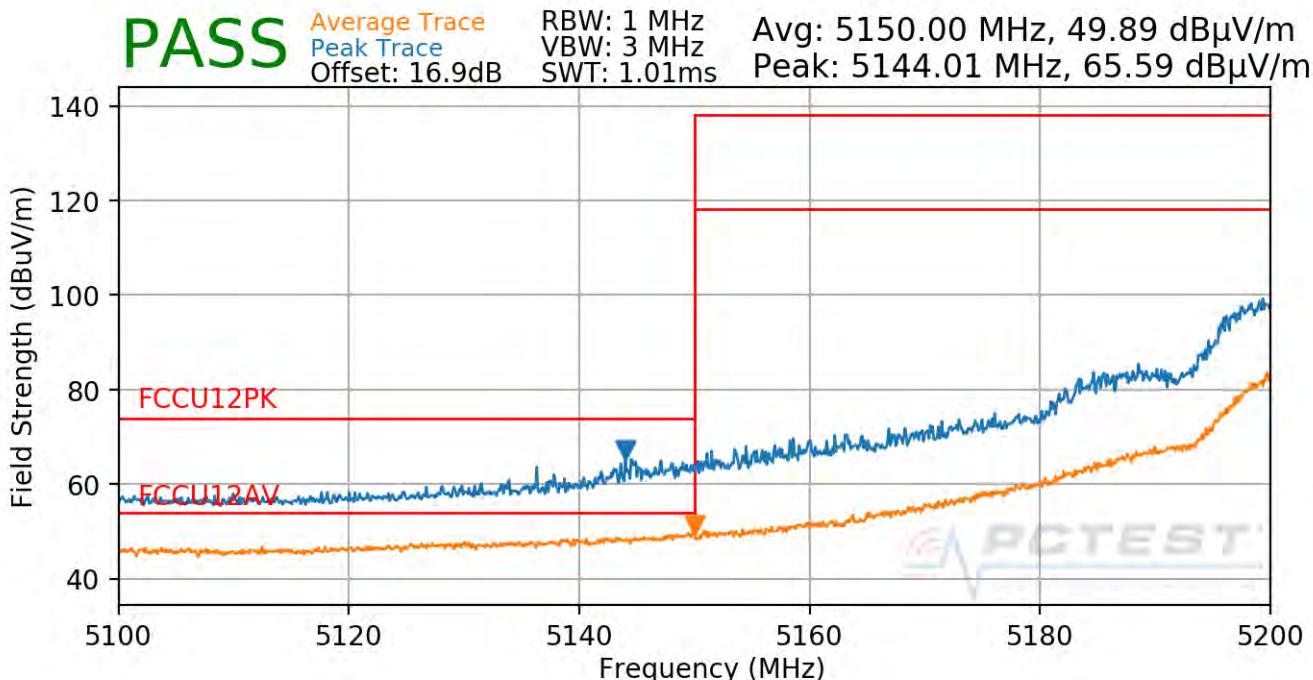
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz  
 Channel: 40



Plot 7-299. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 1)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 207 of 298

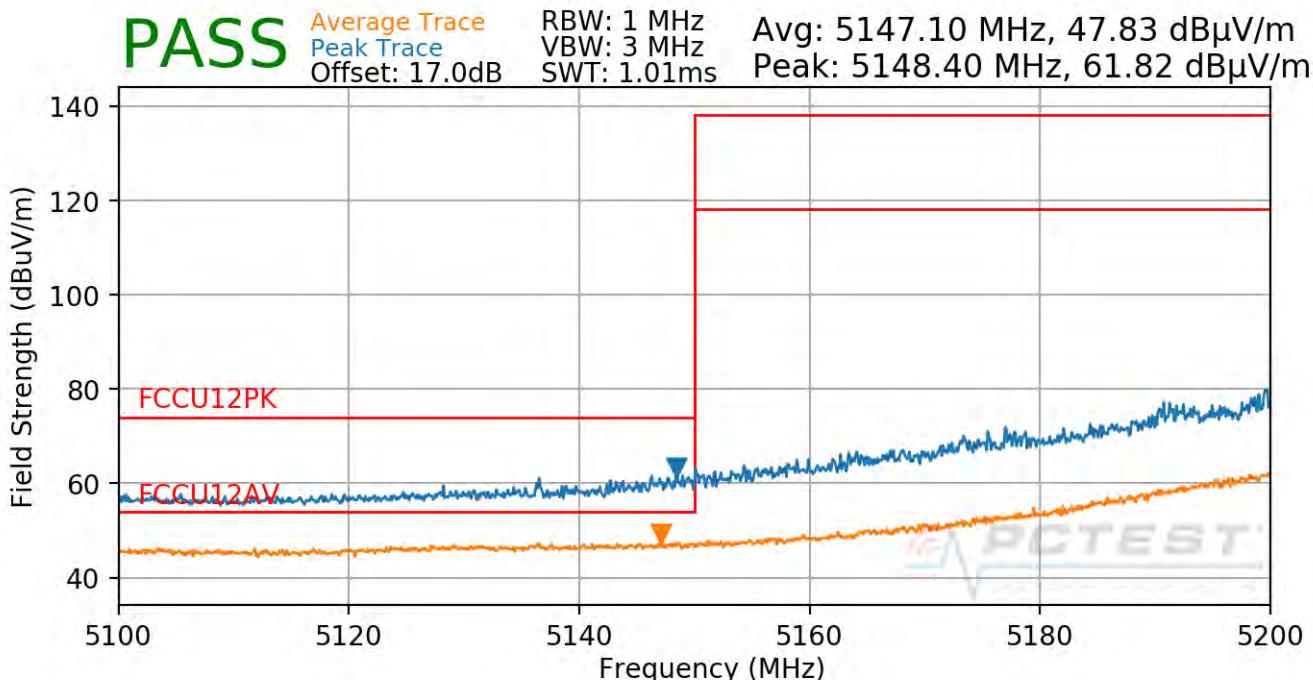
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5220MHz  
 Channel: 44



**Plot 7-300. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 1)**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 208 of 298	

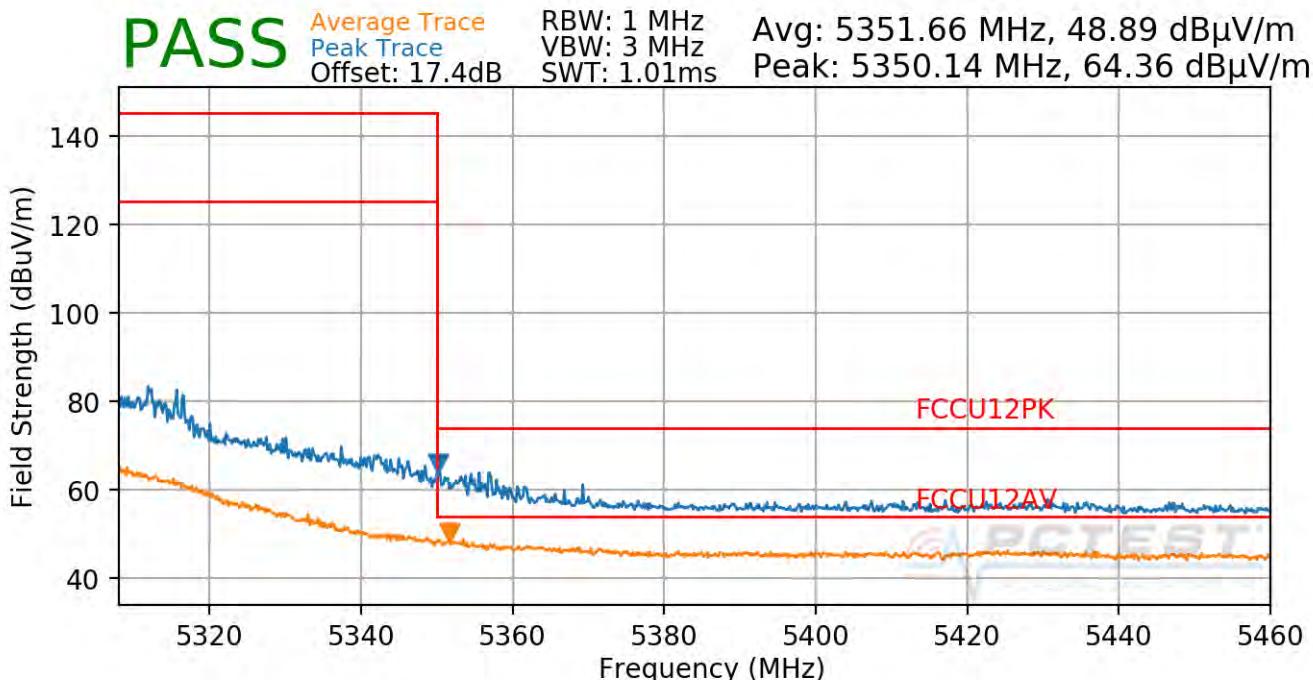
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5240MHz  
 Channel: 48



Plot 7-301. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 1)

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 209 of 298	

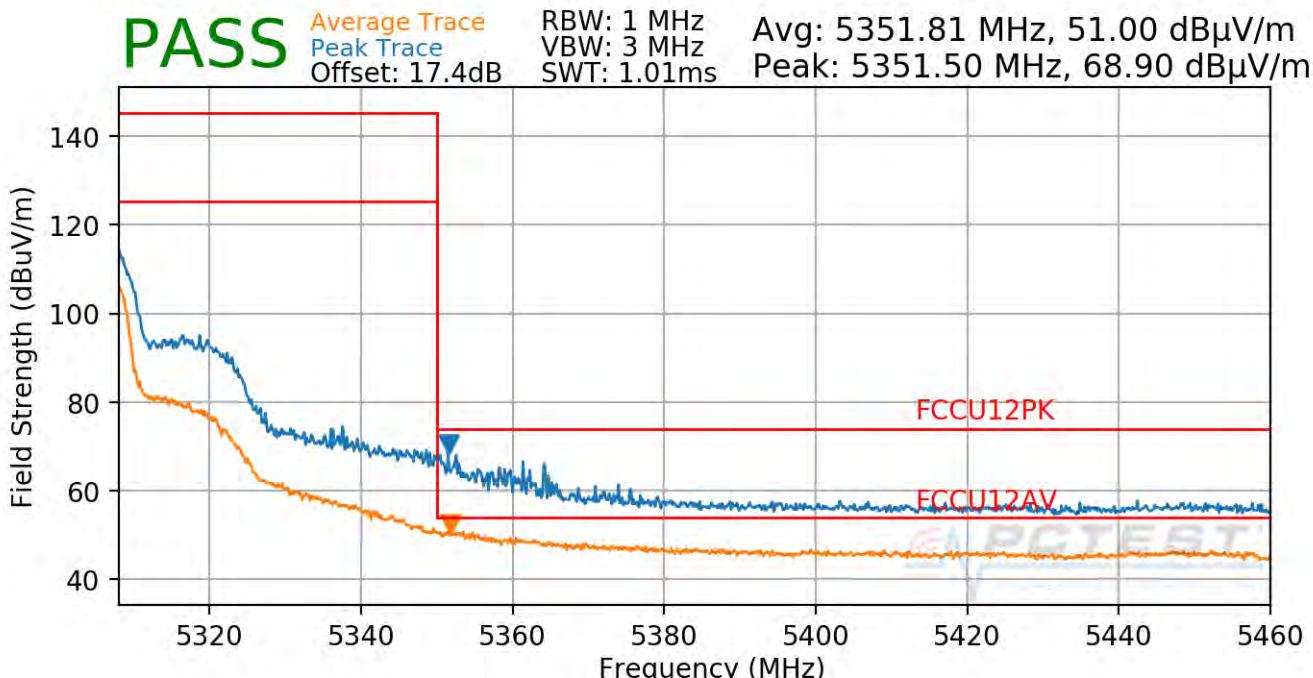
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5280MHz  
 Channel: 56



Plot 7-302. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2A)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 210 of 298

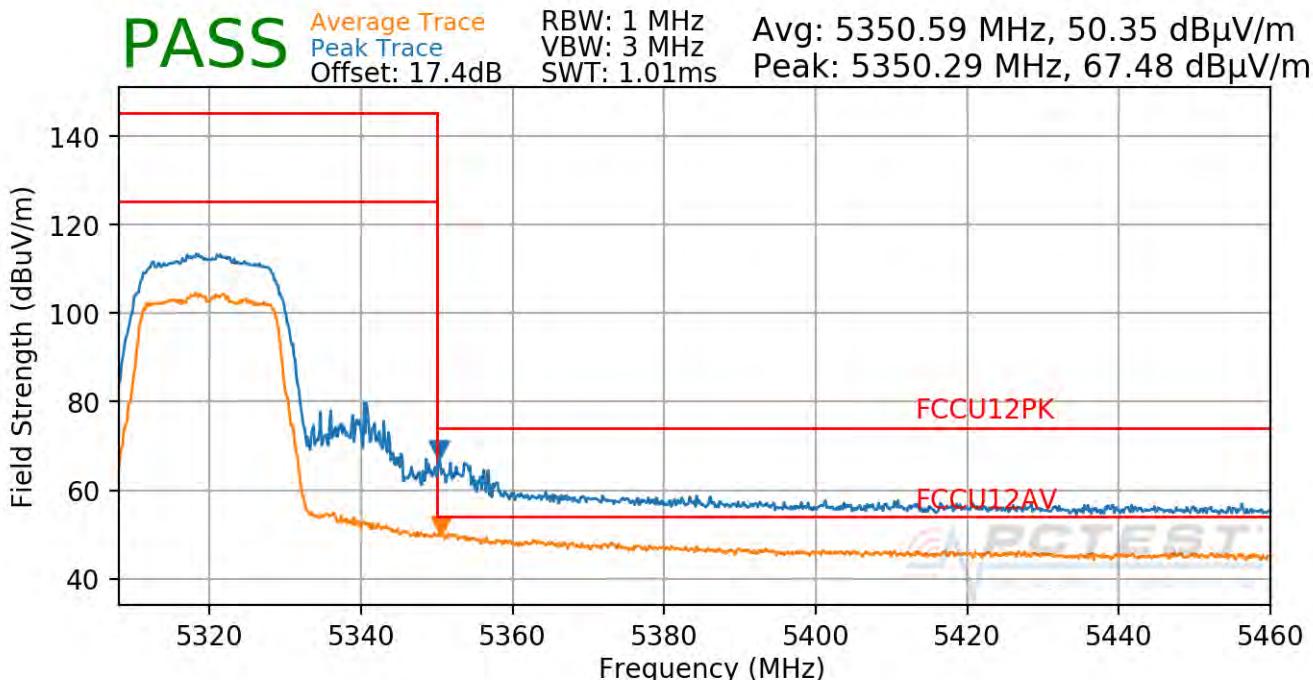
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz  
 Channel: 60



**Plot 7-303. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2A)**

FCC ID: BCGA1893	 PCTEST® ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 211 of 298

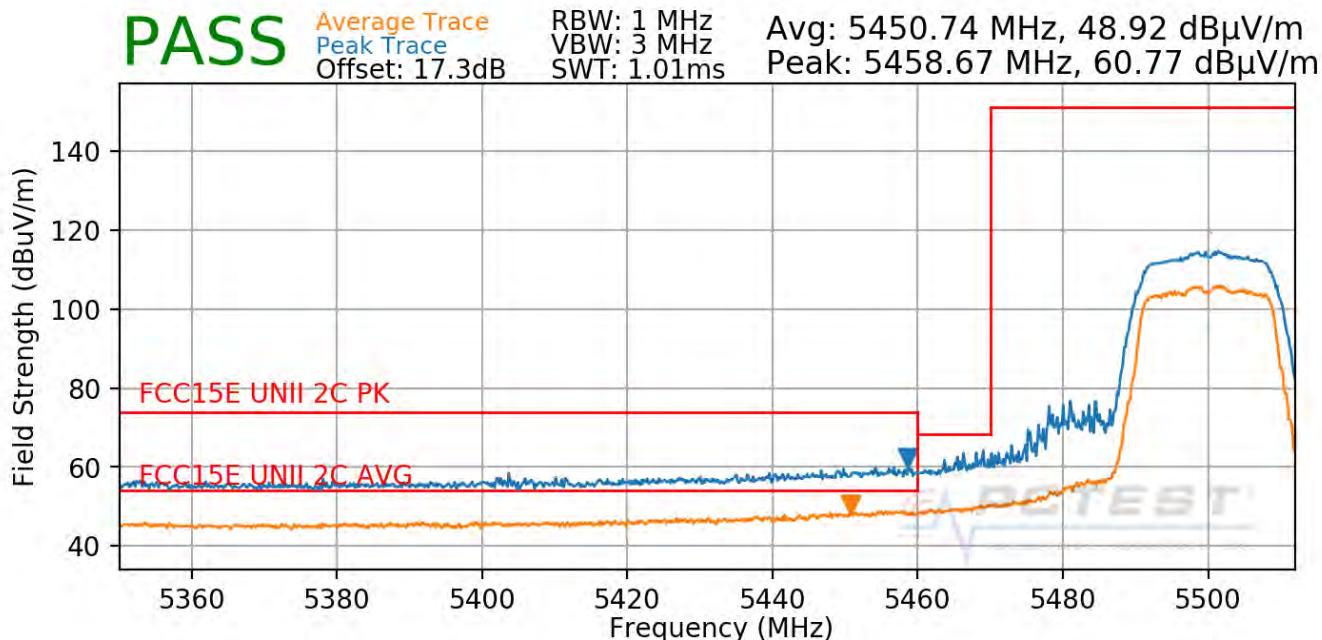
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz  
 Channel: 64



Plot 7-304. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2A)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 212 of 298

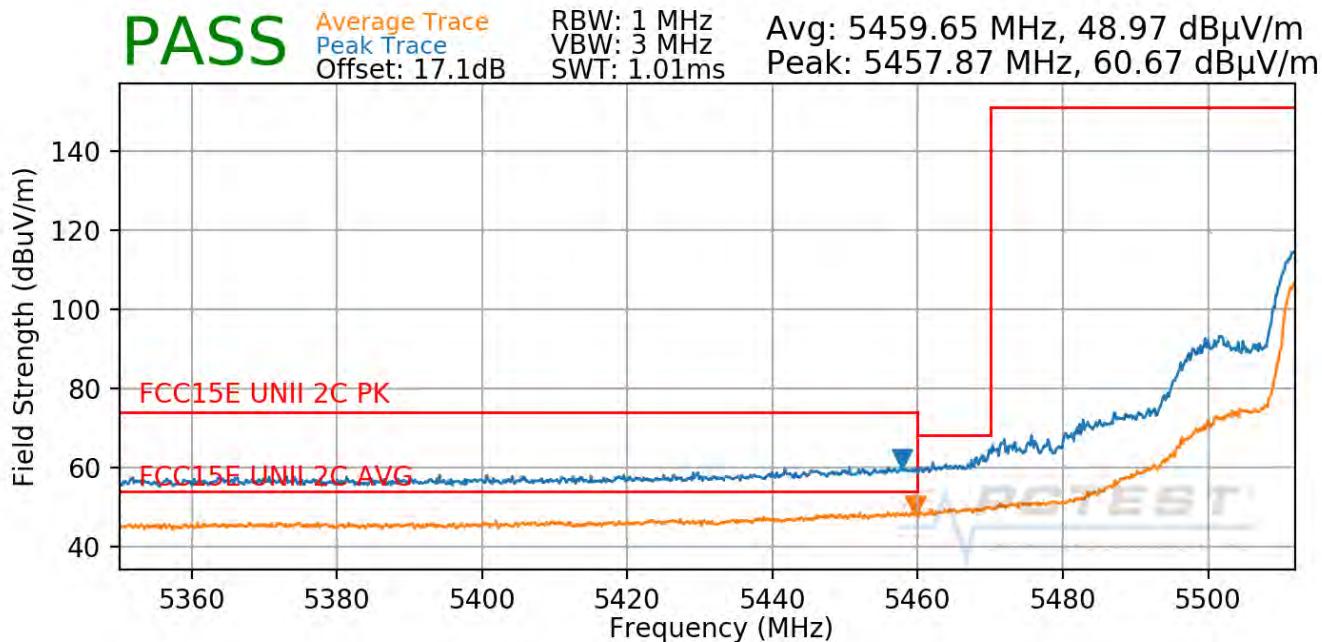
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5500MHz  
 Channel: 100



**Plot 7-305. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	 PCTEST <sup>®</sup> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 213 of 298

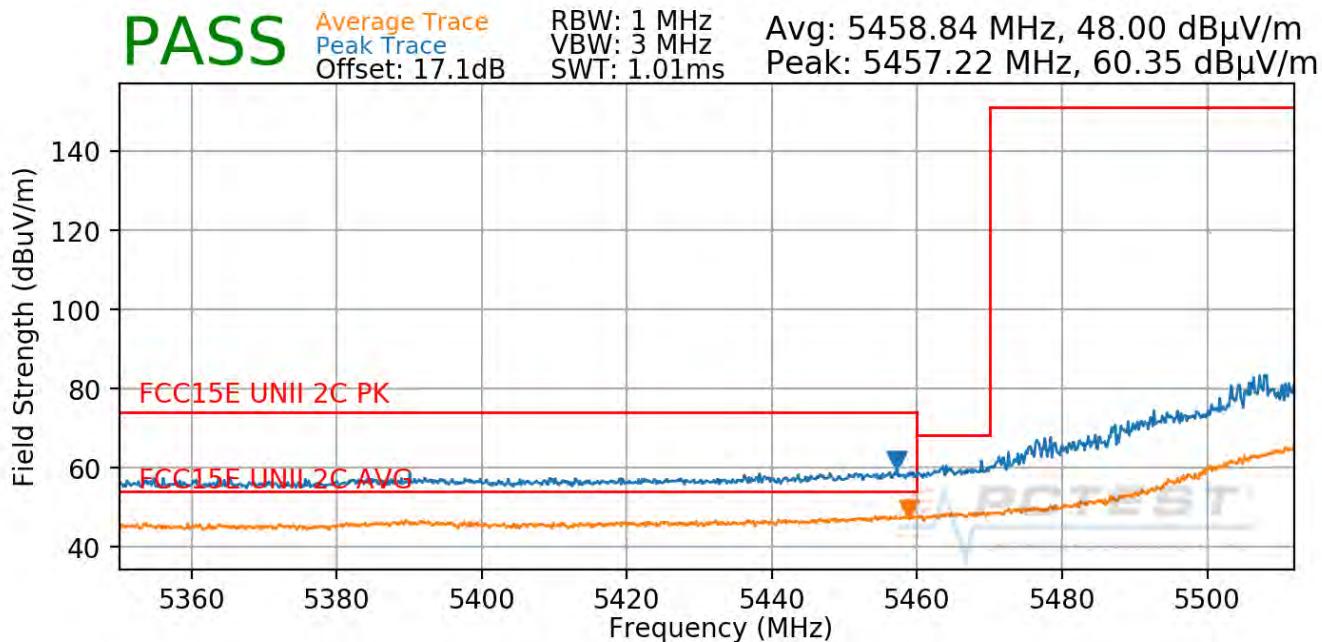
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5520MHz  
Channel: 104



**Plot 7-306. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	 PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 214 of 298

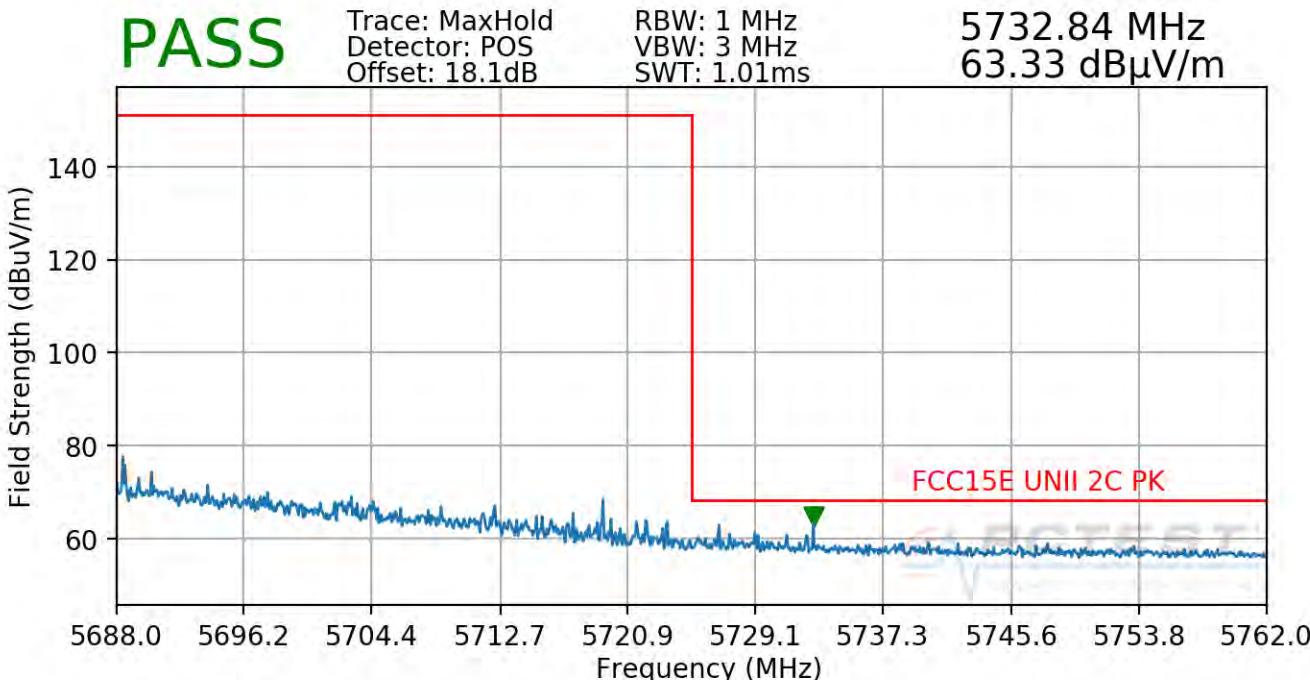
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5540MHz  
 Channel: 108



**Plot 7-307. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 215 of 298

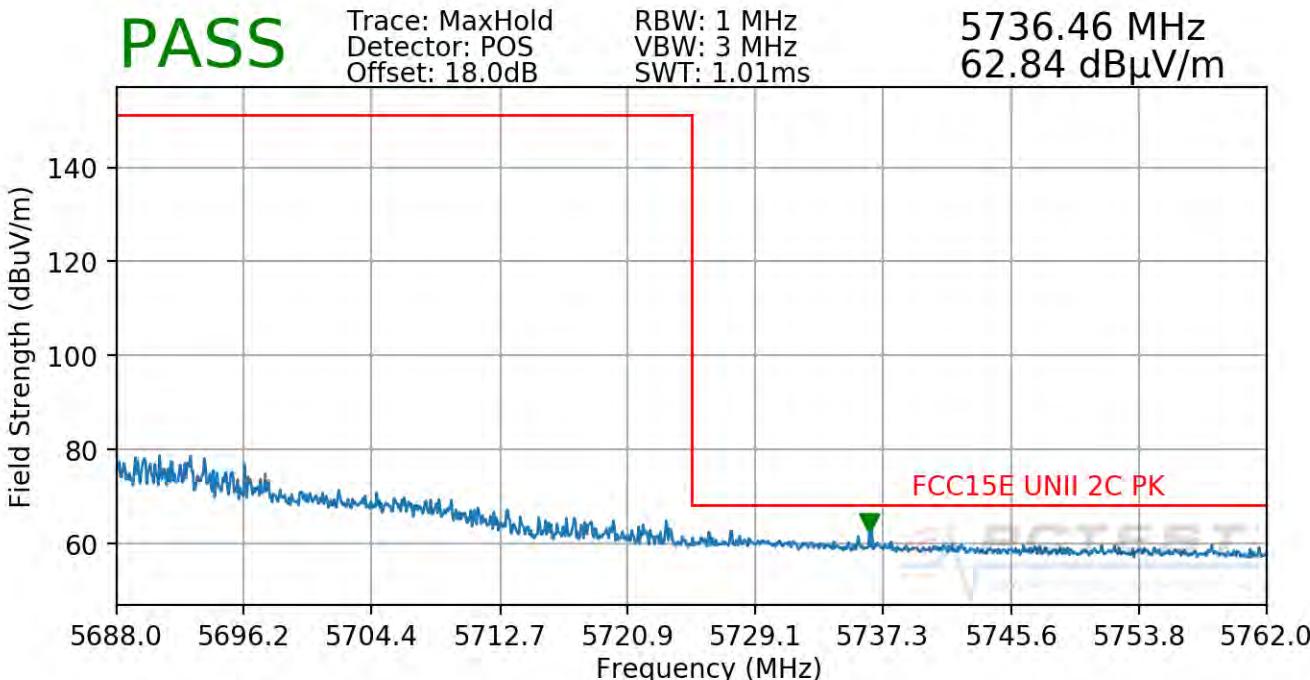
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5660MHz  
 Channel: 128



**Plot 7-308. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 216 of 298

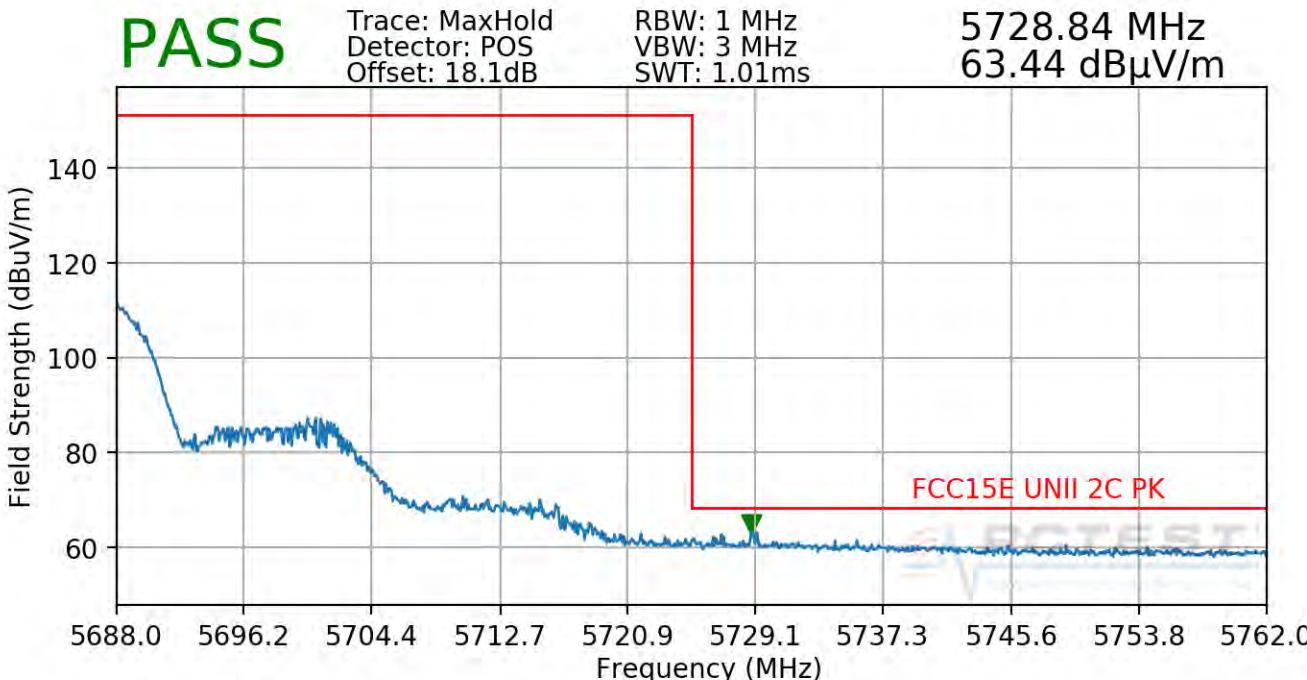
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5660MHz  
 Channel: 132



**Plot 7-309. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 217 of 298

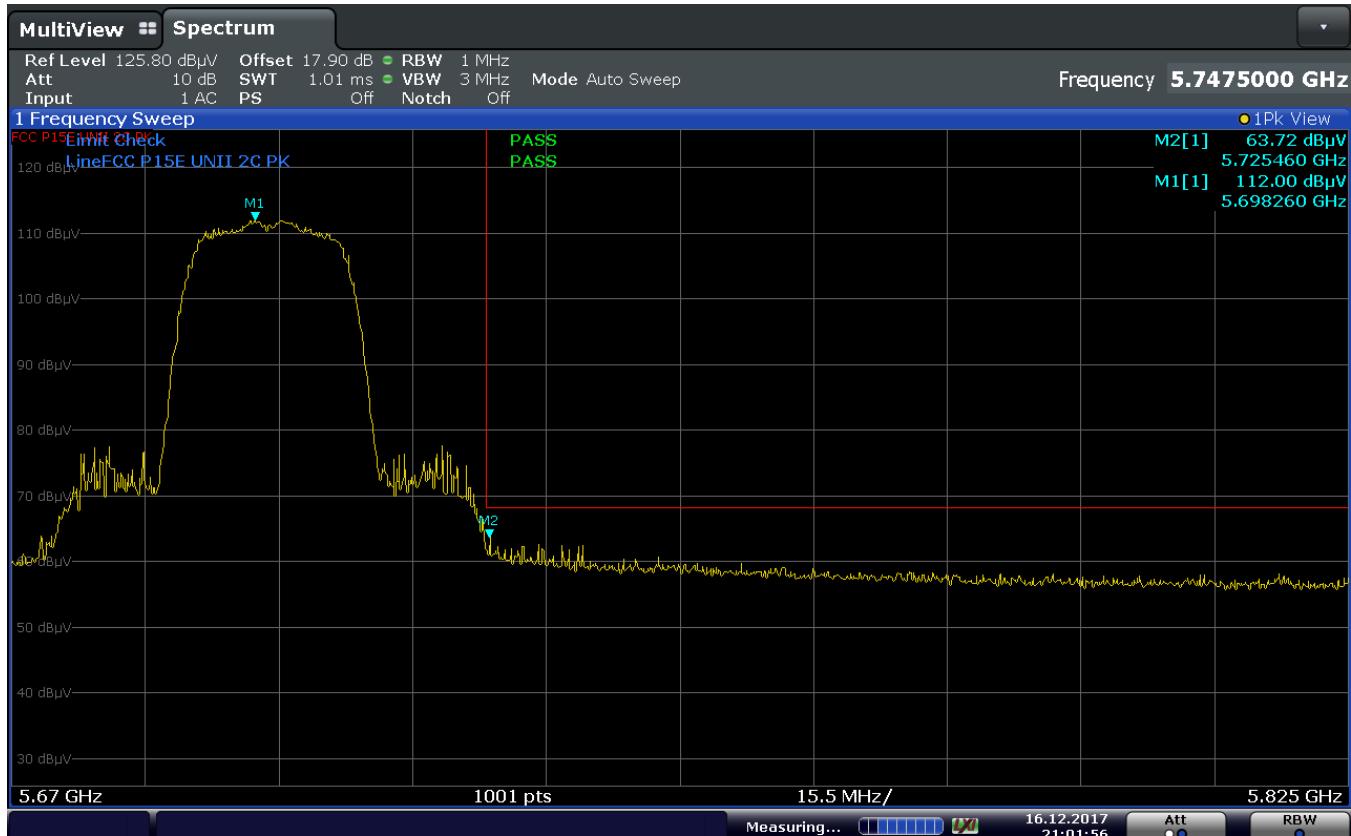
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5680MHz  
Channel: 136



**Plot 7-310. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 218 of 298

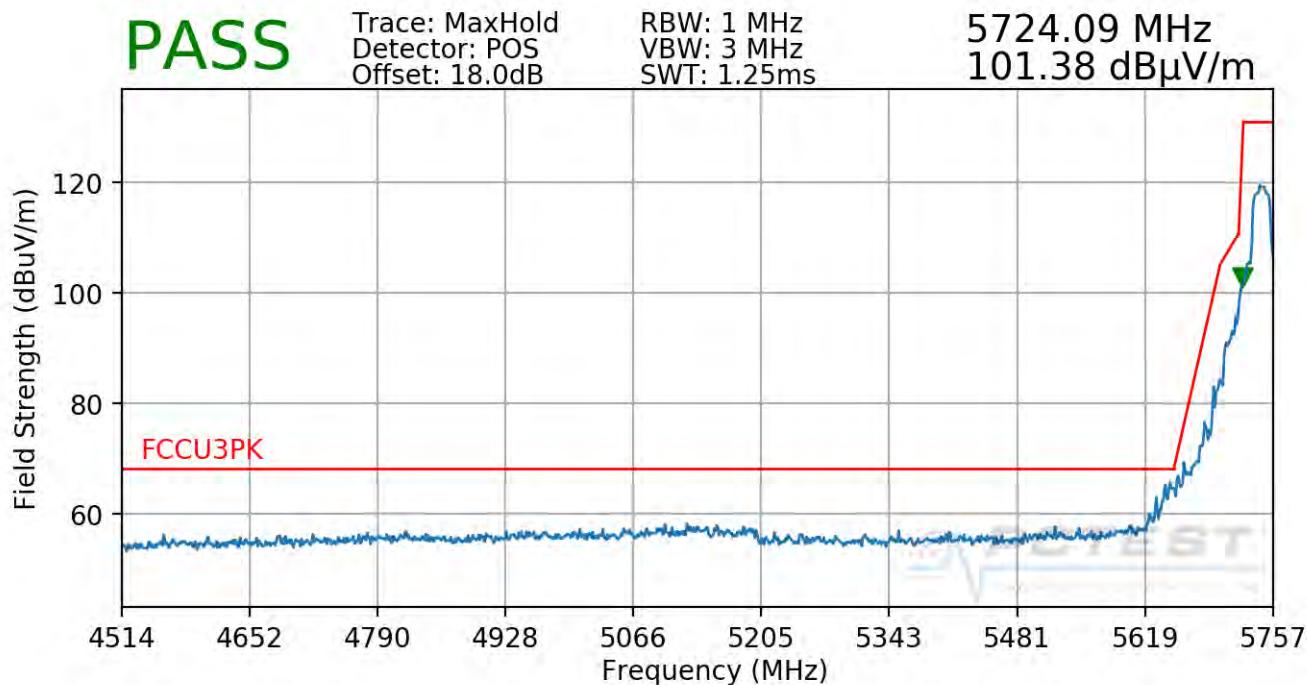
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5700MHz  
 Channel: 140



**Plot 7-311. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak UNII Band 2C)**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 219 of 298

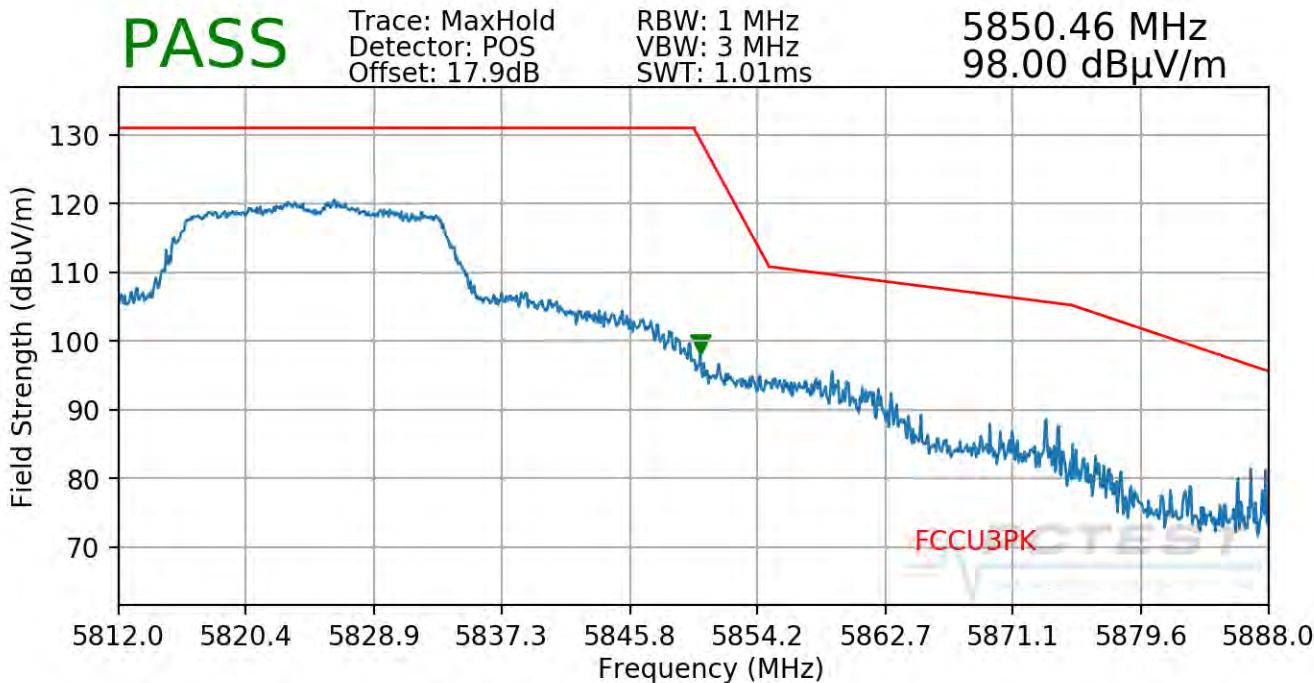
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5745MHz  
 Channel: 149



**Plot 7-312. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Peak UNII Band 3)**

FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 220 of 298

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



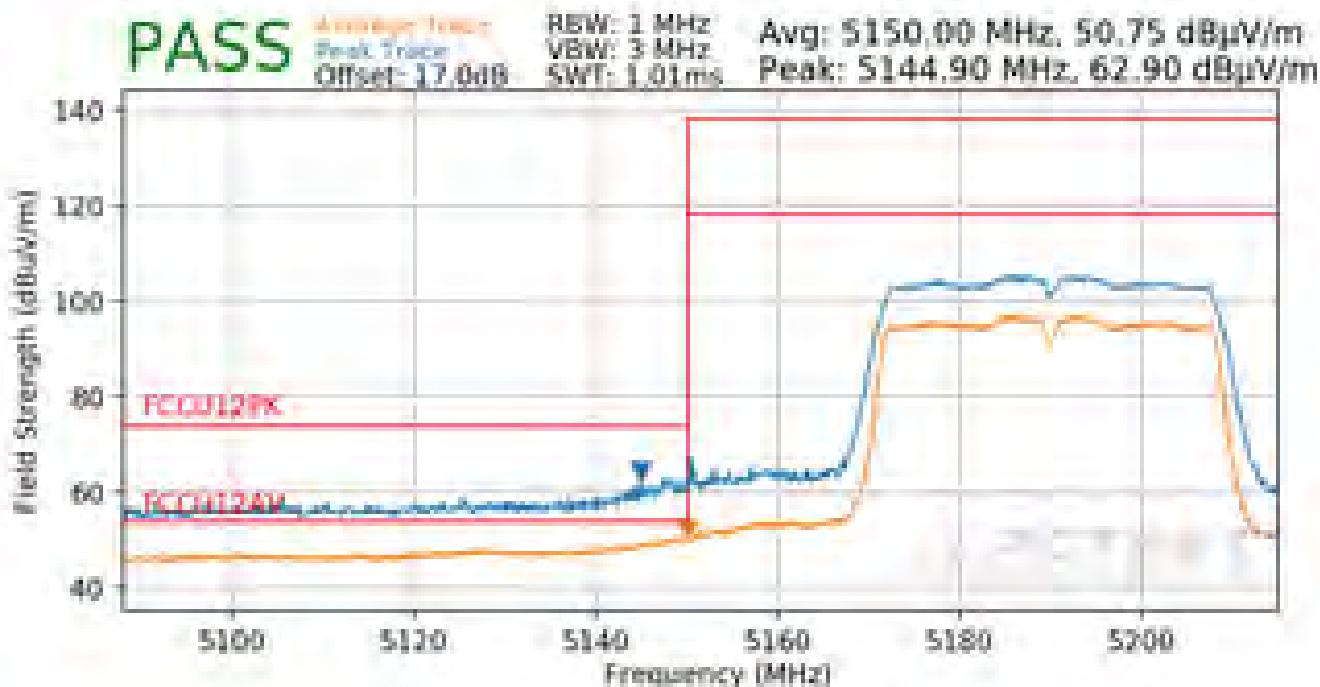
**Plot 7-313. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak UNII Band 3)**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 221 of 298	

### 6.7.5 Antenna-1 Radiated Band Edge Measurements (40MHz BW)

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

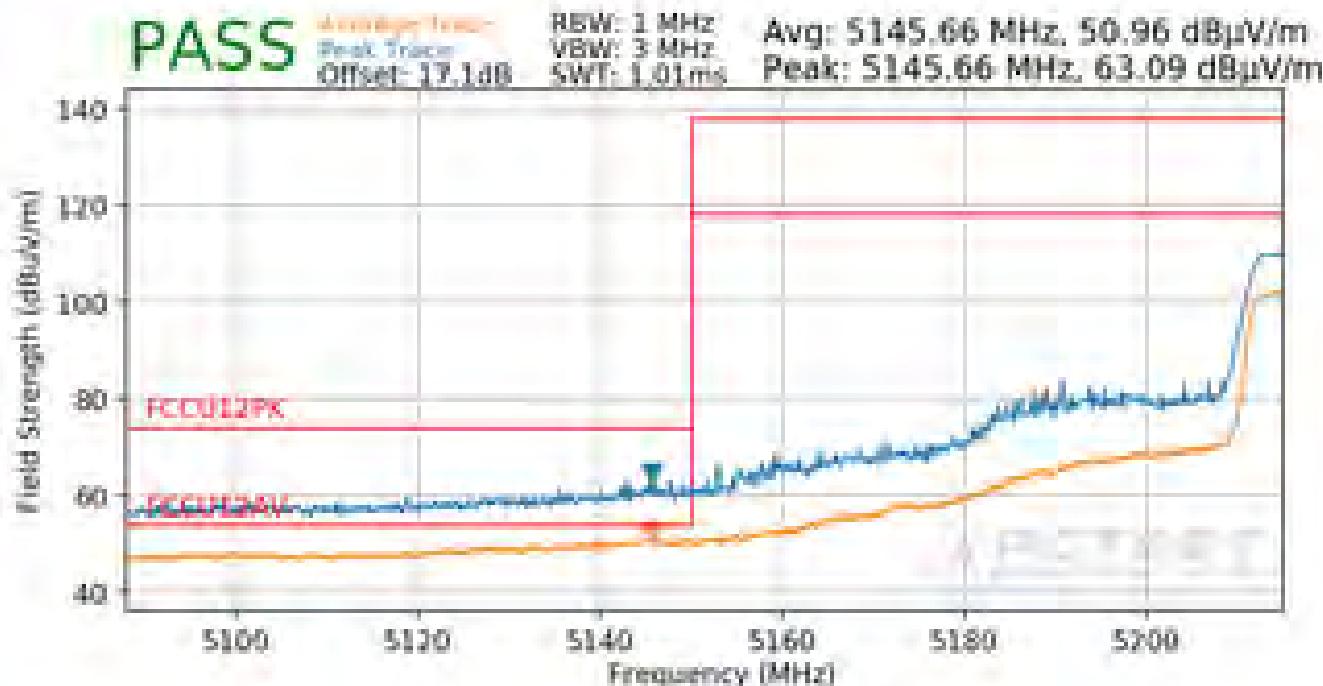
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5190MHz  
 Channel: 38



Plot 7-314. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 1)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 222 of 298

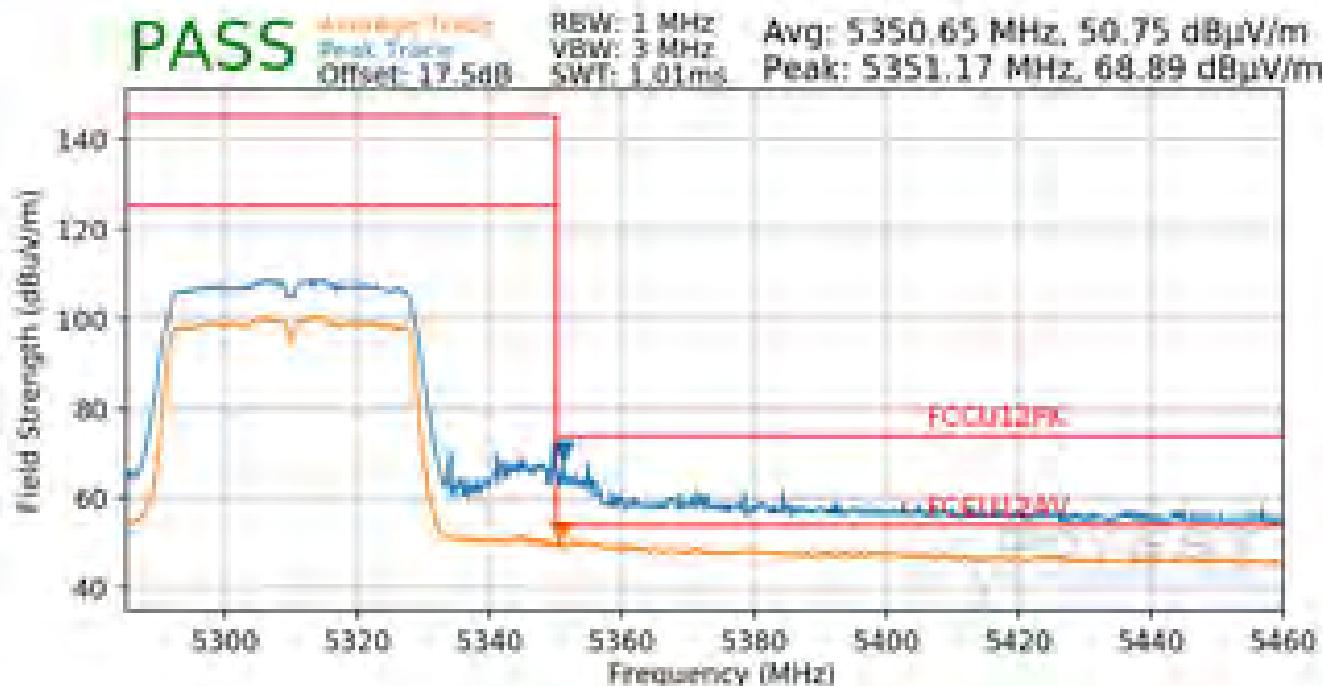
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5230MHz  
 Channel: 46



Plot 7-315. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 1)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 223 of 298

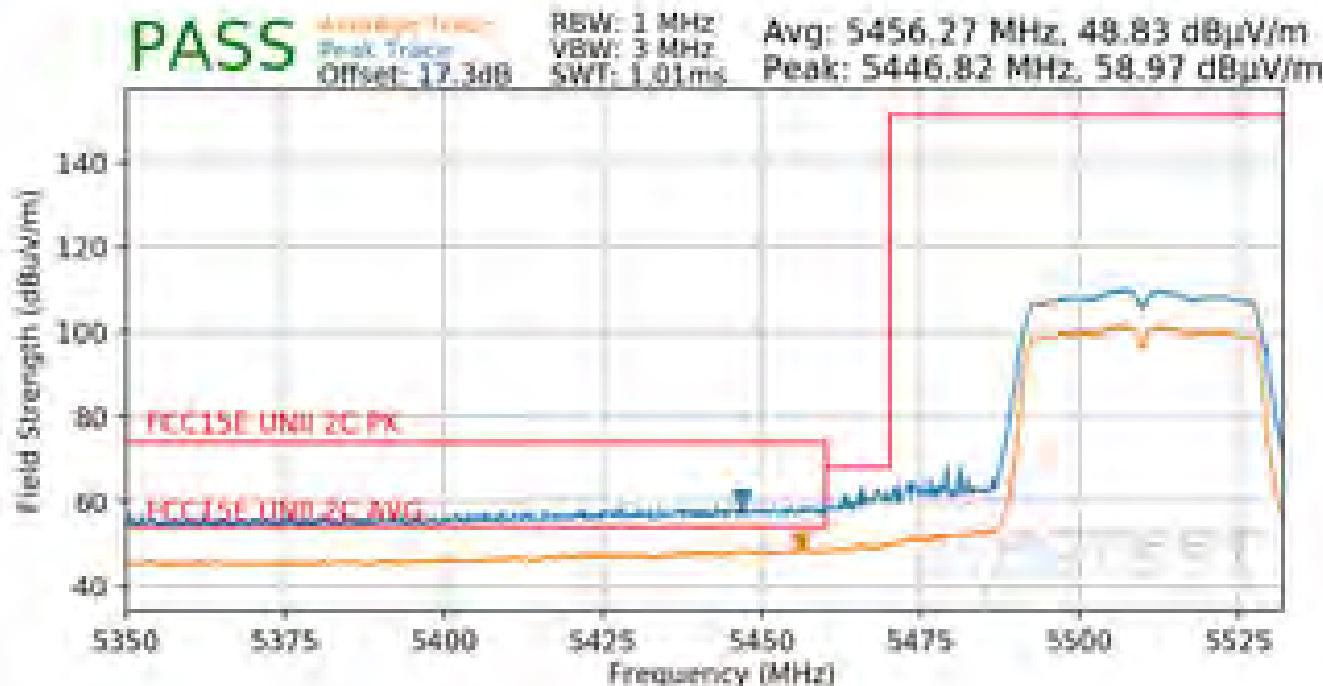
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5310MHz  
 Channel: 62



Plot 7-316. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2A)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device		Page 224 of 298

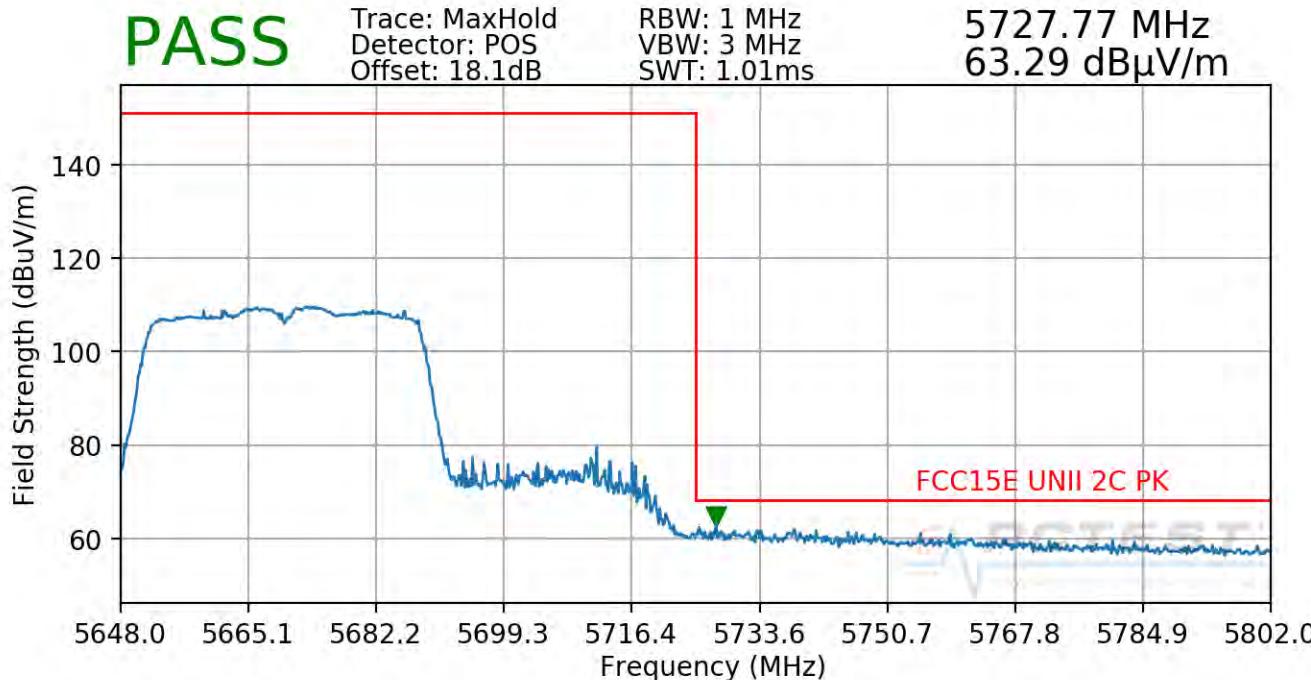
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5510MHz  
 Channel: 102



**Plot 7-317. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 225 of 298

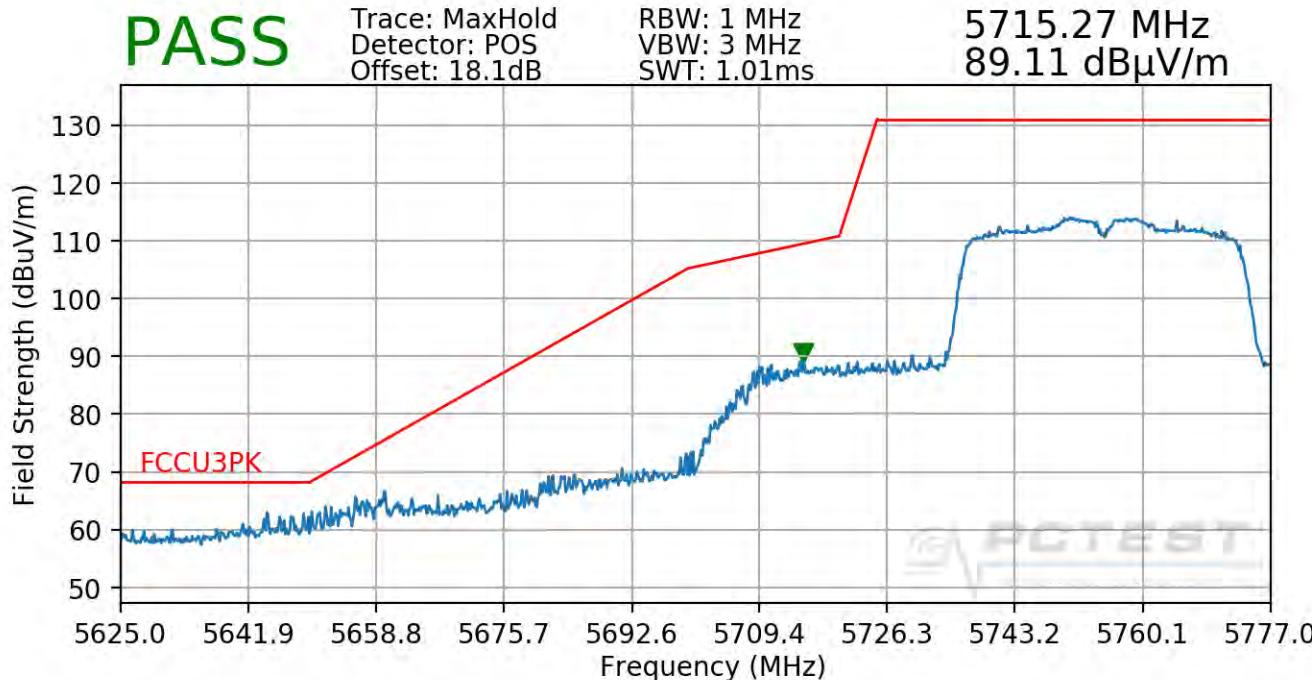
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5670MHz  
 Channel: 134



**Plot 7-318. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 226 of 298	

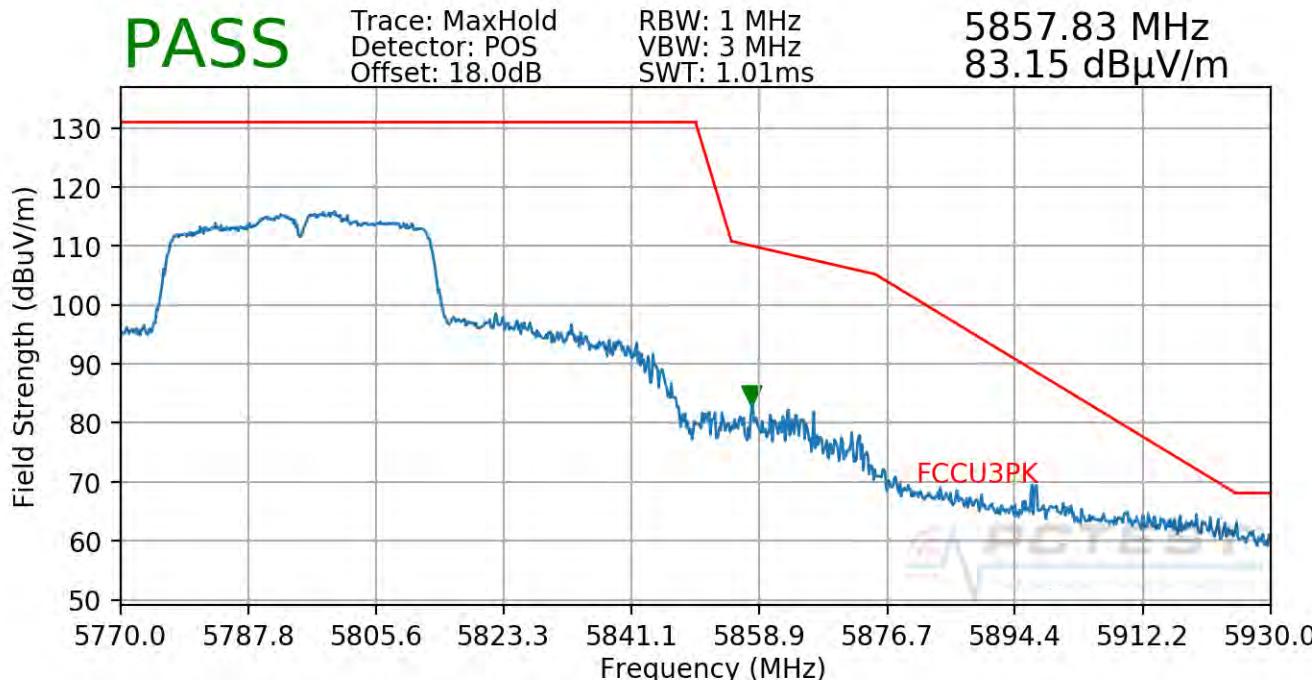
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5755MHz  
 Channel: 151



Plot 7-319. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Peak UNII Band 3)

FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 227 of 298

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



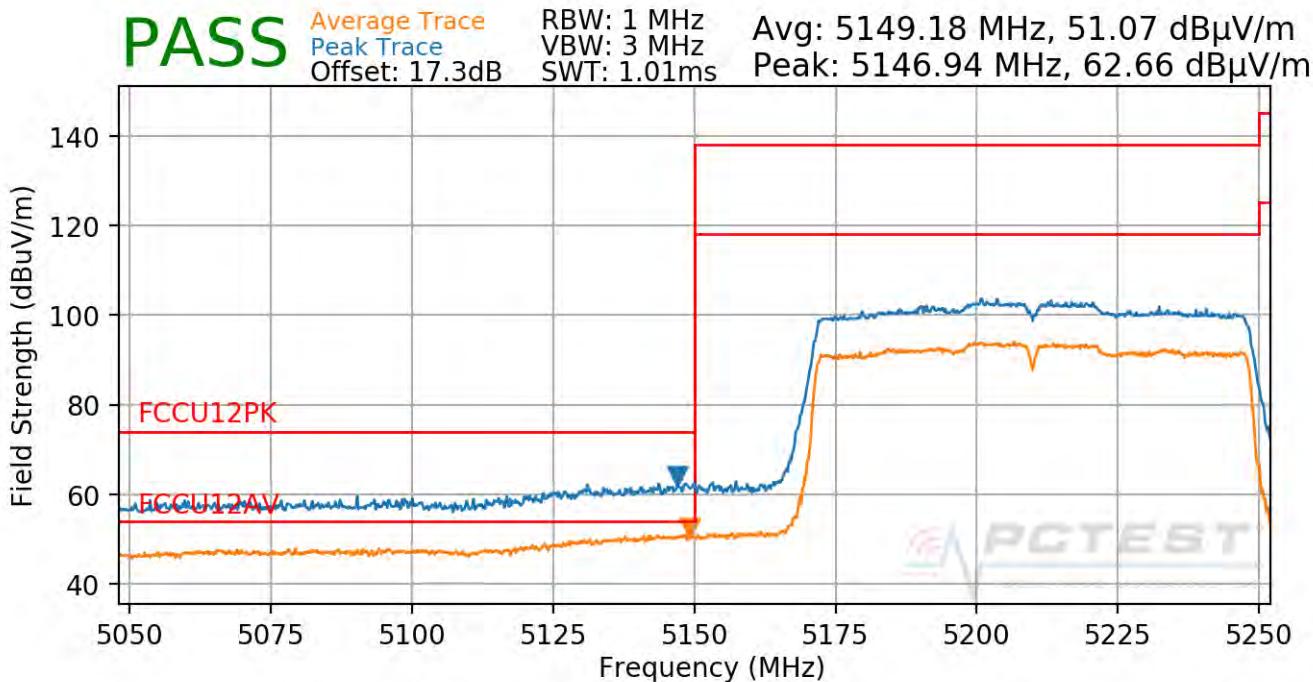
**Plot 7-320. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak UNII Band 3)**

FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 228 of 298	

### 6.7.6 Antenna-1 Radiated Band Edge Measurements (80MHz BW)

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

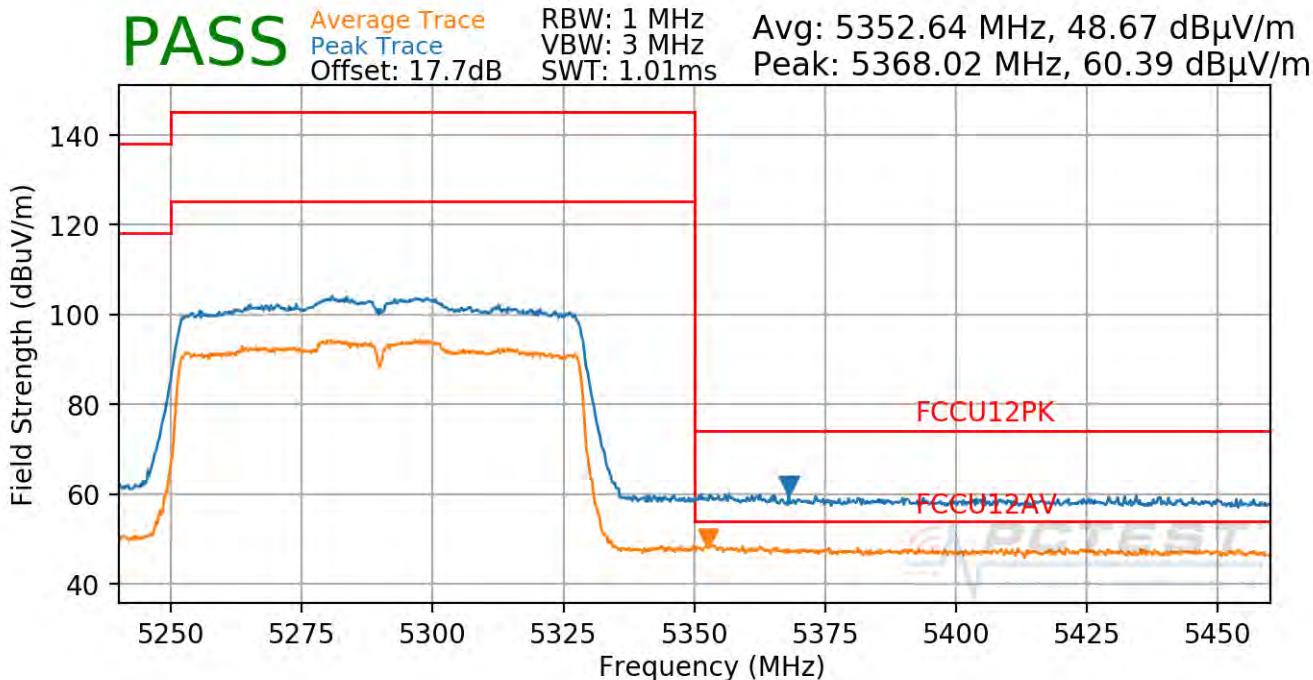
Worst Case Mode: 802.11ac  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5210MHz  
 Channel: 42



Plot 7-321. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 1)

FCC ID: BCGA1893	 PCTEST® ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 229 of 298

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



Plot 7-322. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2A)

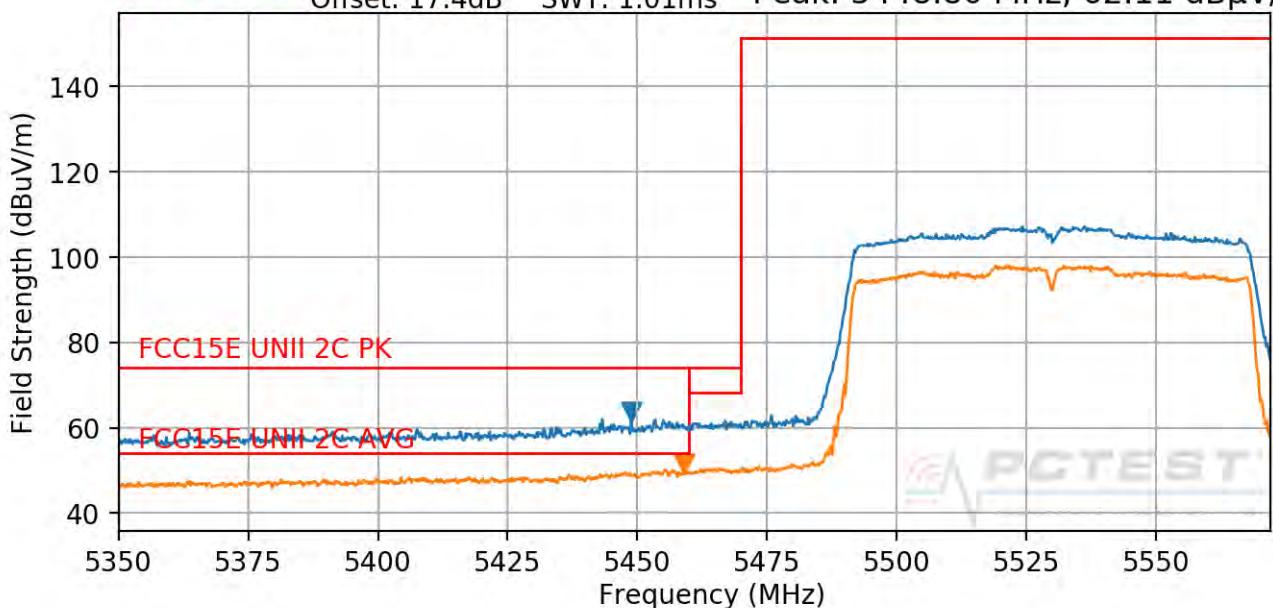
FCC ID: BCGA1893	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 230 of 298

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  
 Offset: 17.4dB

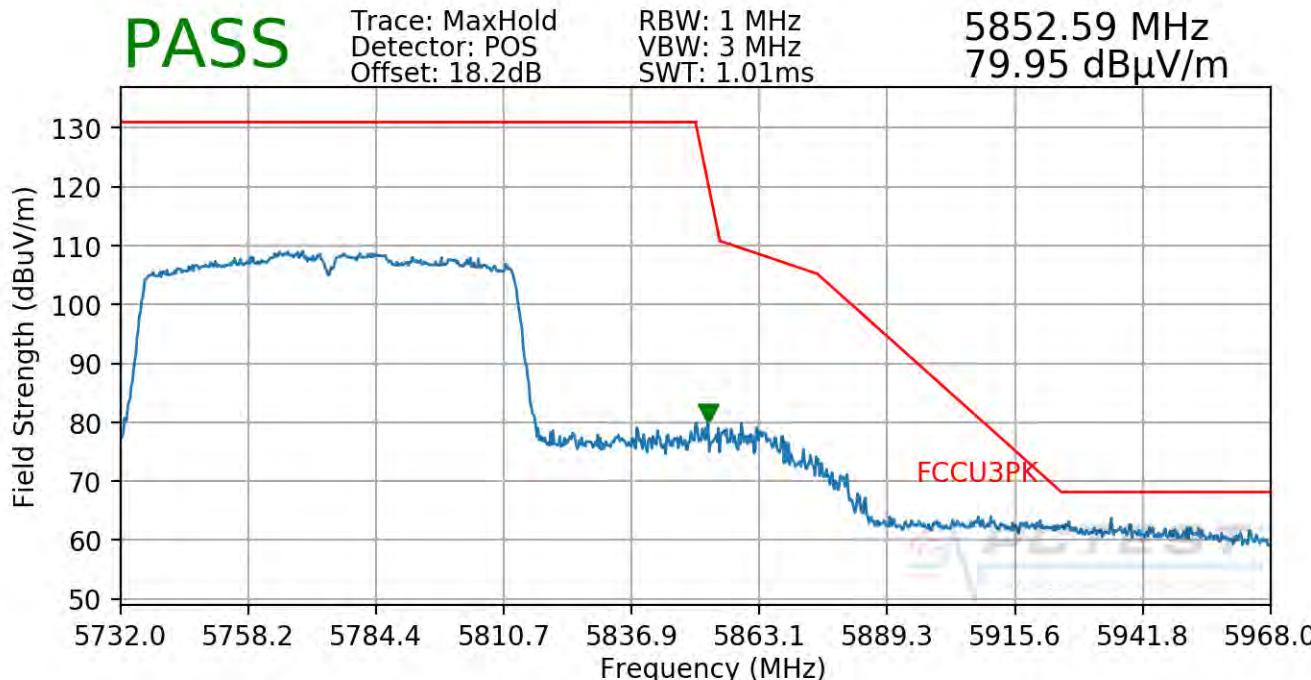
 RBW: 1 MHz  
 VBW: 3 MHz  
 SWT: 1.01ms

 Avg: 5459.00 MHz, 50.13 dB $\mu$ V/m  
 Peak: 5448.80 MHz, 62.11 dB $\mu$ V/m


**Plot 7-323. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 231 of 298

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



**Plot 7-324. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak UNII Band 3)**

FCC ID: BCGA1893	 <b>PCTEST®</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 232 of 298	

## 6.7.7 Antenna-2 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



22:29:29 16.12.2017

**Plot 7-325. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average & Peak UNII Band 1)**

FCC ID: BCGA1893	 PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 233 of 298

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



14:56:36 22.12.2017

**Plot 7-326. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average & Peak UNII Band 1)**

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 234 of 298

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz  
 Channel: 60

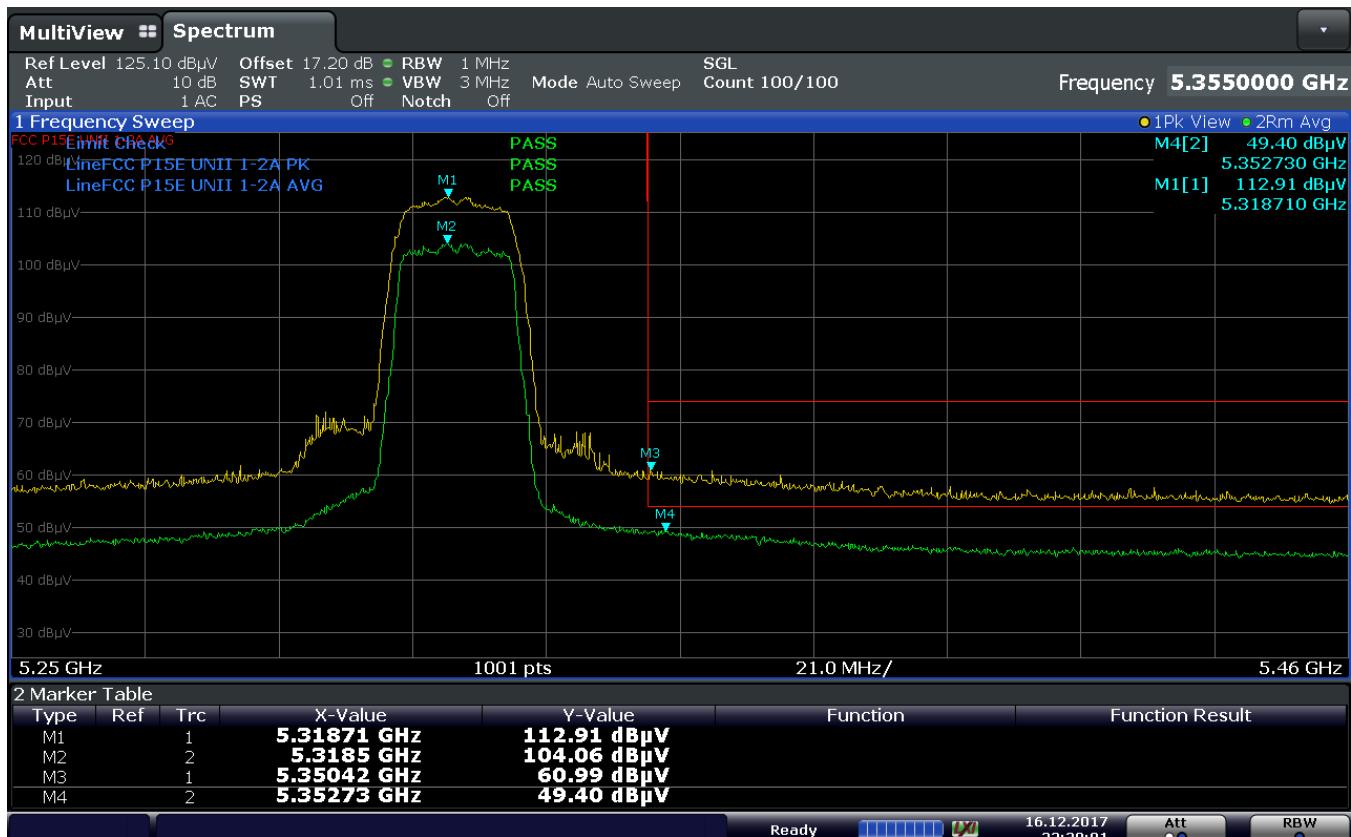


15:29:37 22.12.2017

**Plot 7-327. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average & Peak UNII Band 2A)**

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 235 of 298

Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz  
 Channel: 64

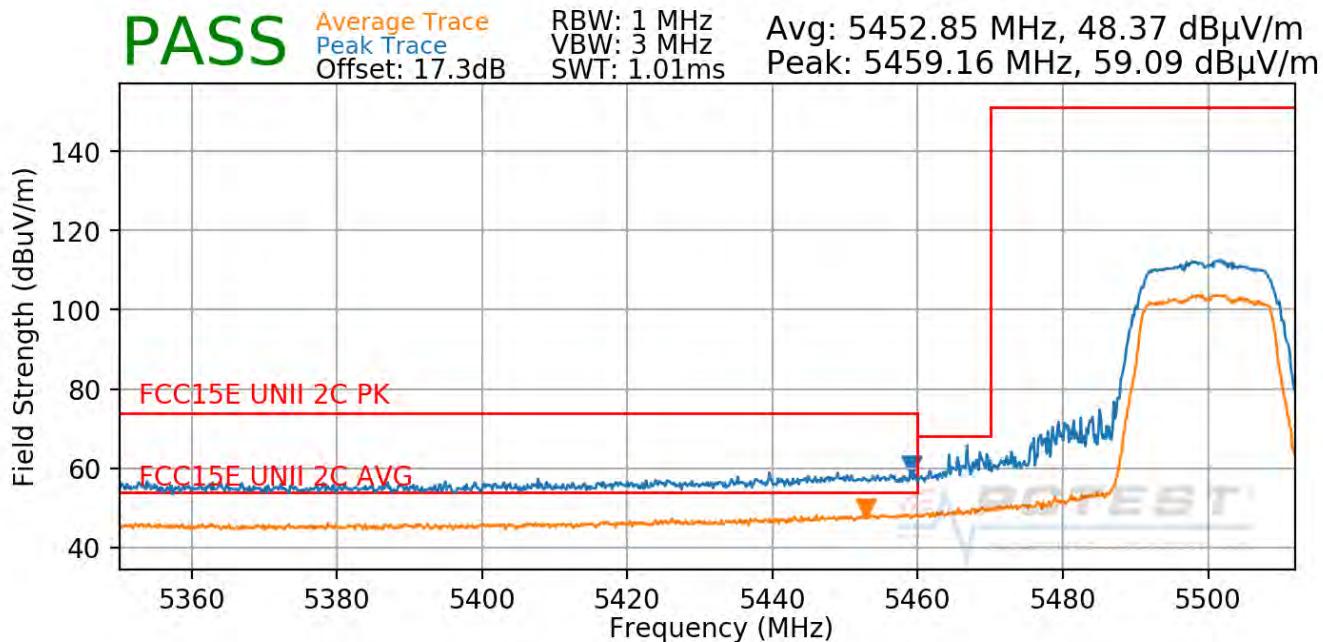


22:39:01 16.12.2017

**Plot 7-328. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average & Peak UNII Band 2A)**

FCC ID: BCGA1893	 <b>PCTEST</b> <small>ENGINEERING LABORATORY, INC.</small>	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 236 of 298

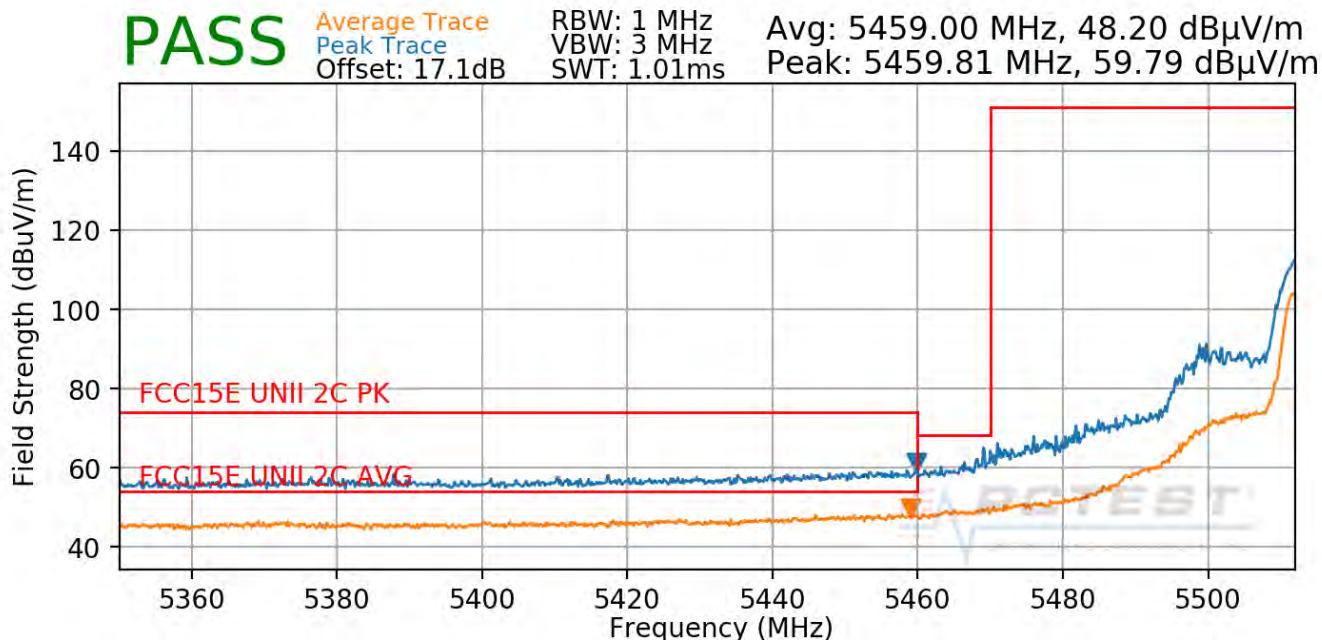
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5500MHz  
 Channel: 100



**Plot 7-329. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 237 of 298

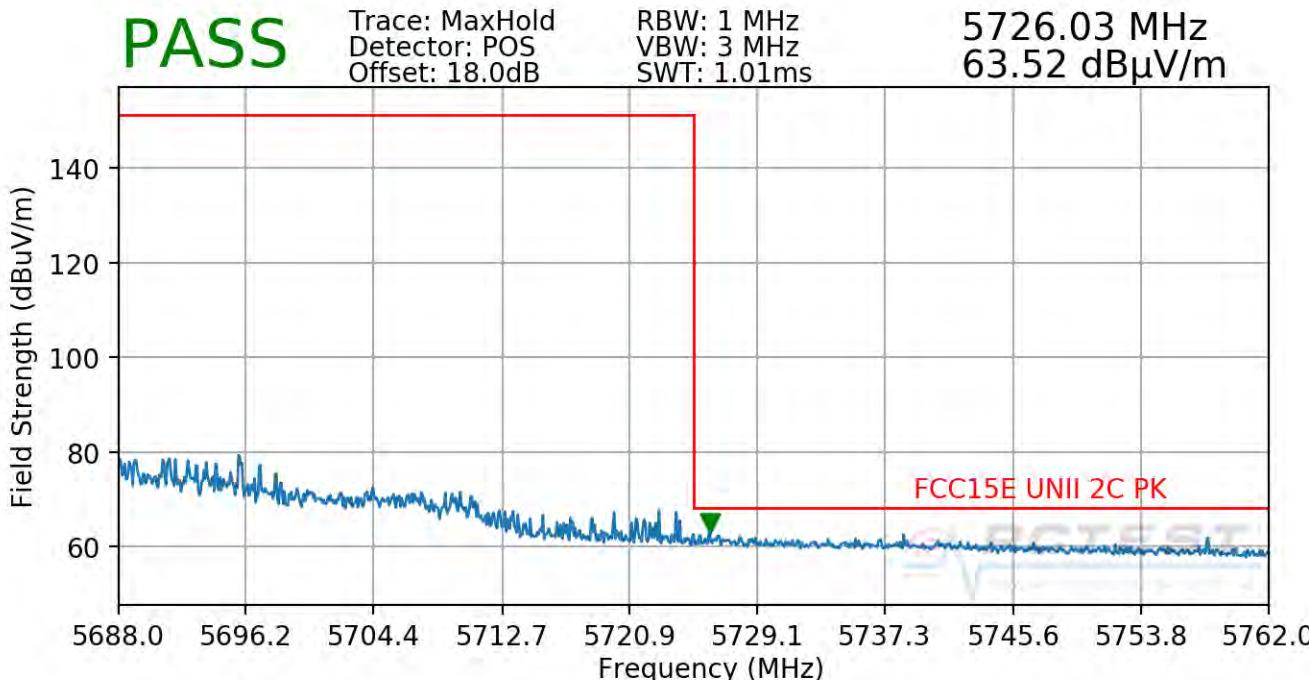
Worst Case Mode: 802.11n  
 Worst Case Transfer Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5520MHz  
 Channel: 104



**Plot 7-330. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	 <b>PCTEST</b> ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 238 of 298	

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



**Plot 7-331. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average & Peak UNII Band 2C)**

FCC ID: BCGA1893	 <b>PCTEST®</b> <small>ENGINEERING LABORATORY, INC.</small>	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1710060005-03-R1.BCG	Test Dates: 10/31-2/20/2018	EUT Type: Tablet Device	Page 239 of 298	