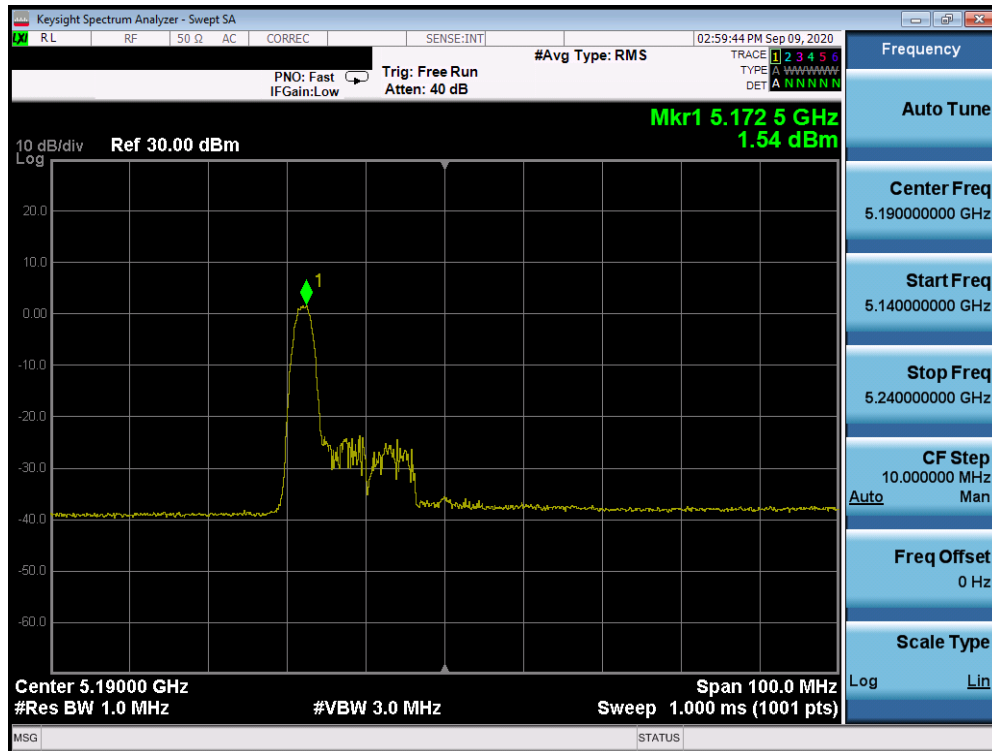
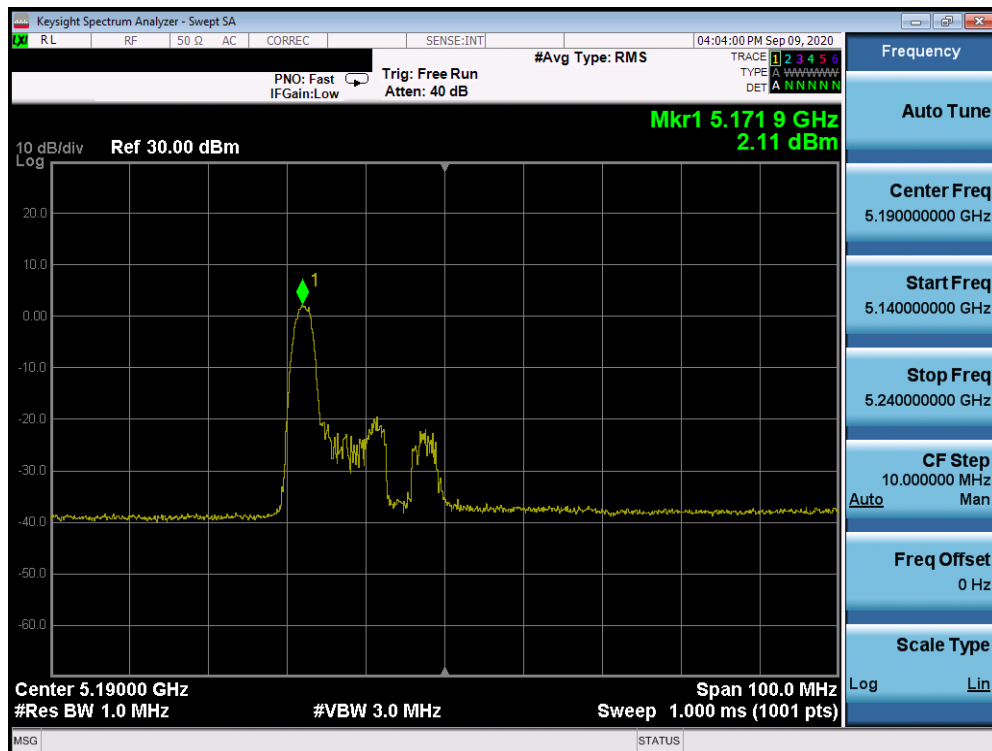


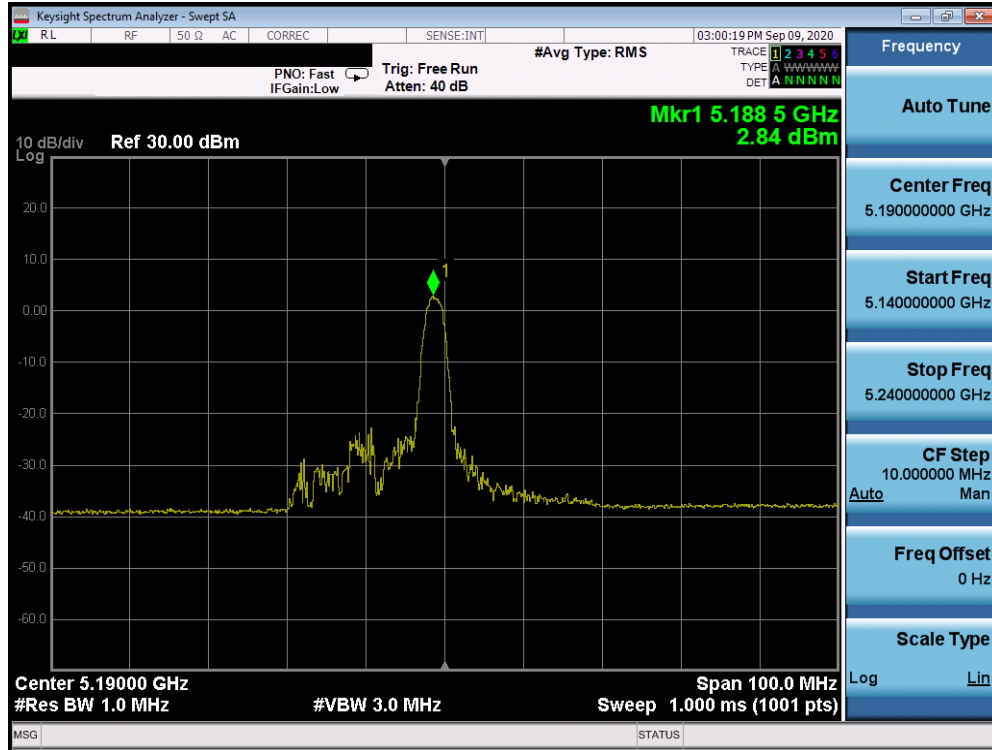


Plot 7-1199. ISED Power Spectral Density Plot SDM Antenna 2b (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 38)

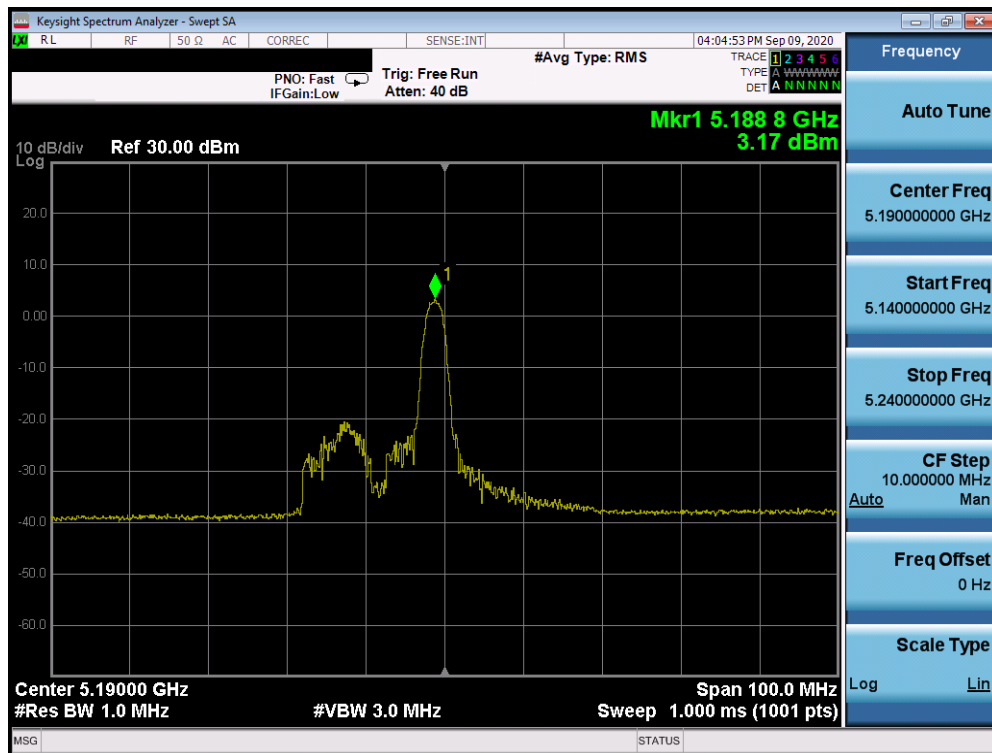


Plot 7-1200. ISED Power Spectral Density Plot SDM Antenna 1b (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 38)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 699 of 958

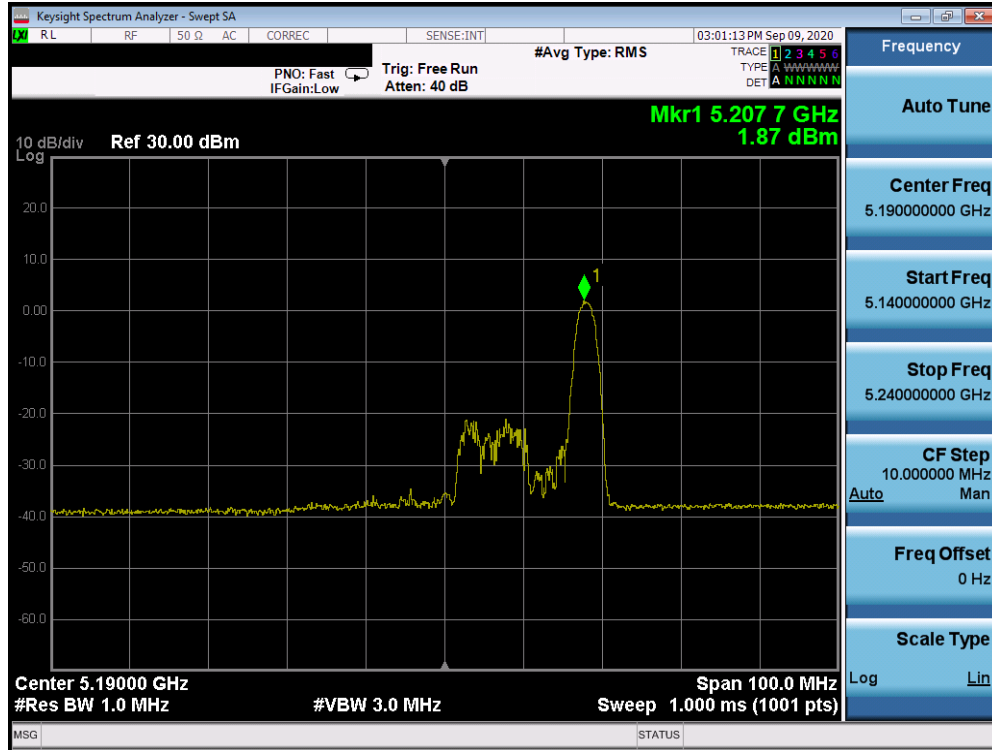


Plot 7-1201. ISED Power Spectral Density Plot SDM Antenna 2b (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 1) – Ch. 38)

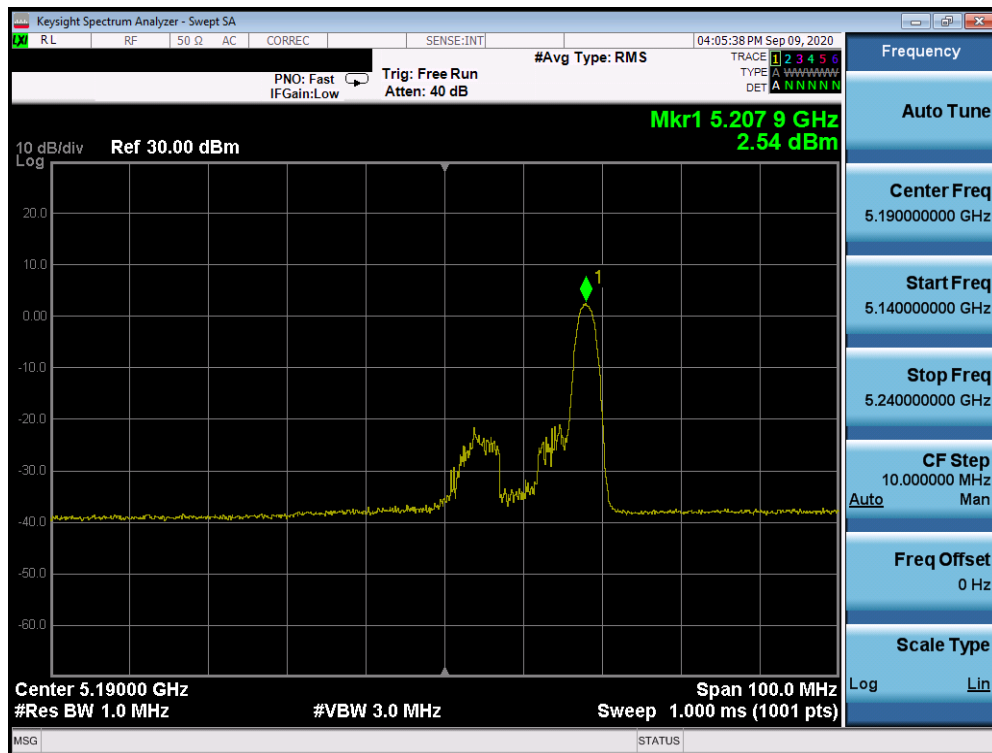


Plot 7-1202. ISED Power Spectral Density Plot SDM Antenna 1b (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 1) – Ch. 38)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 700 of 958

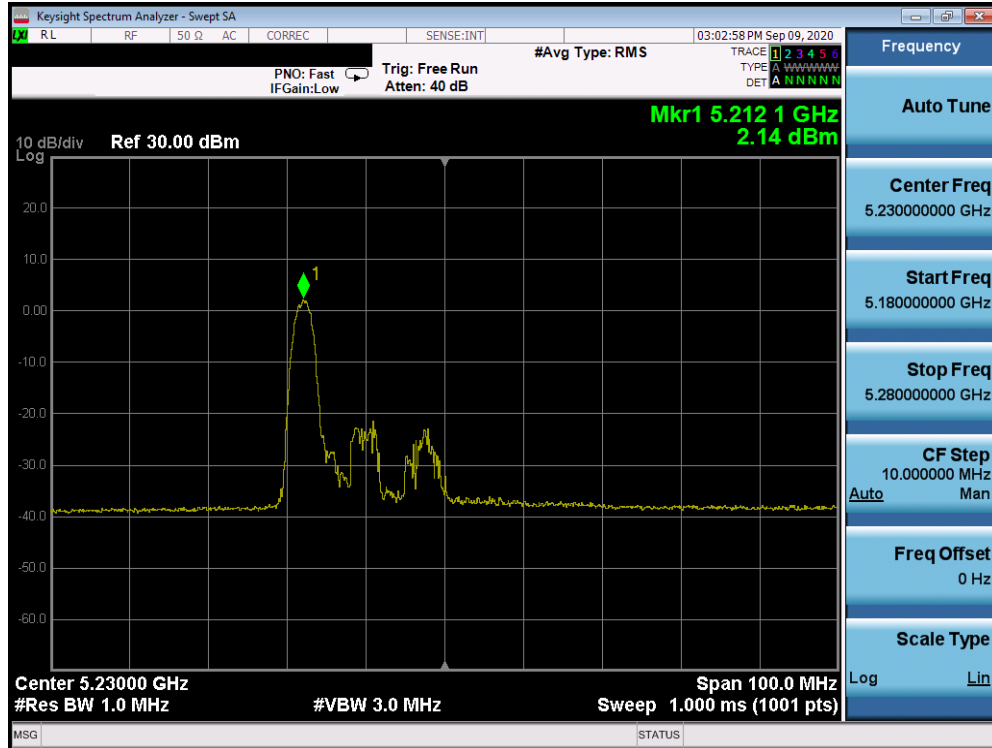


Plot 7-1203. ISED Power Spectral Density Plot SDM Antenna 2b (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 1) – Ch. 38)

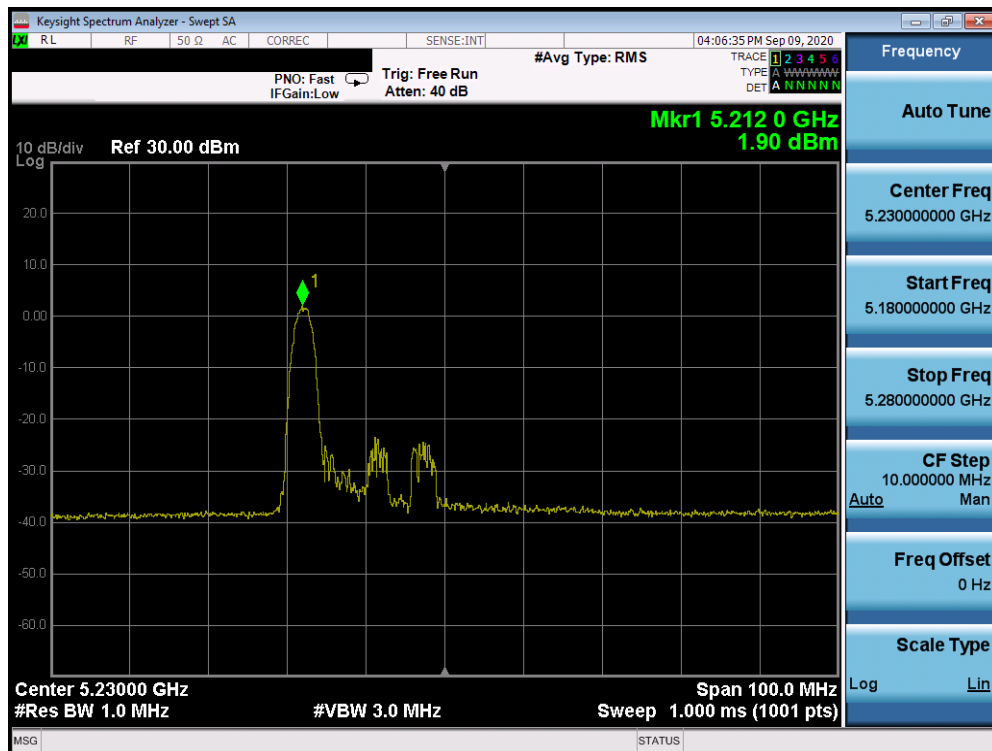


Plot 7-1204. ISED Power Spectral Density Plot SDM Antenna 1b (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 1) – Ch. 38)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 701 of 958

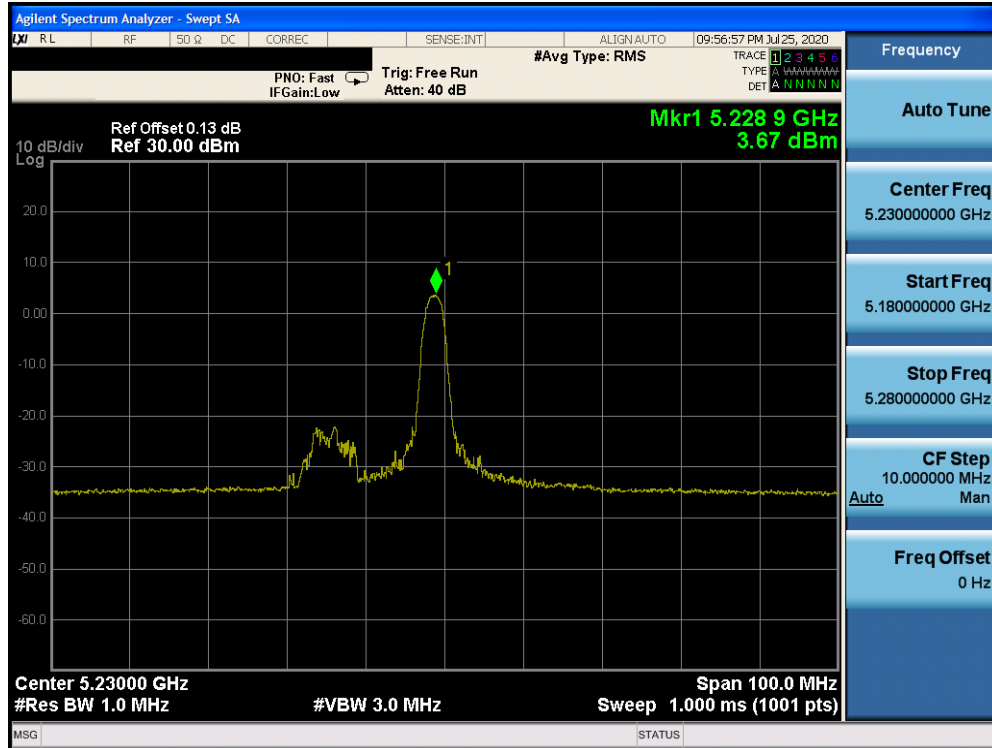


Plot 7-1205. ISED Power Spectral Density Plot SDM Antenna 2b (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 46)

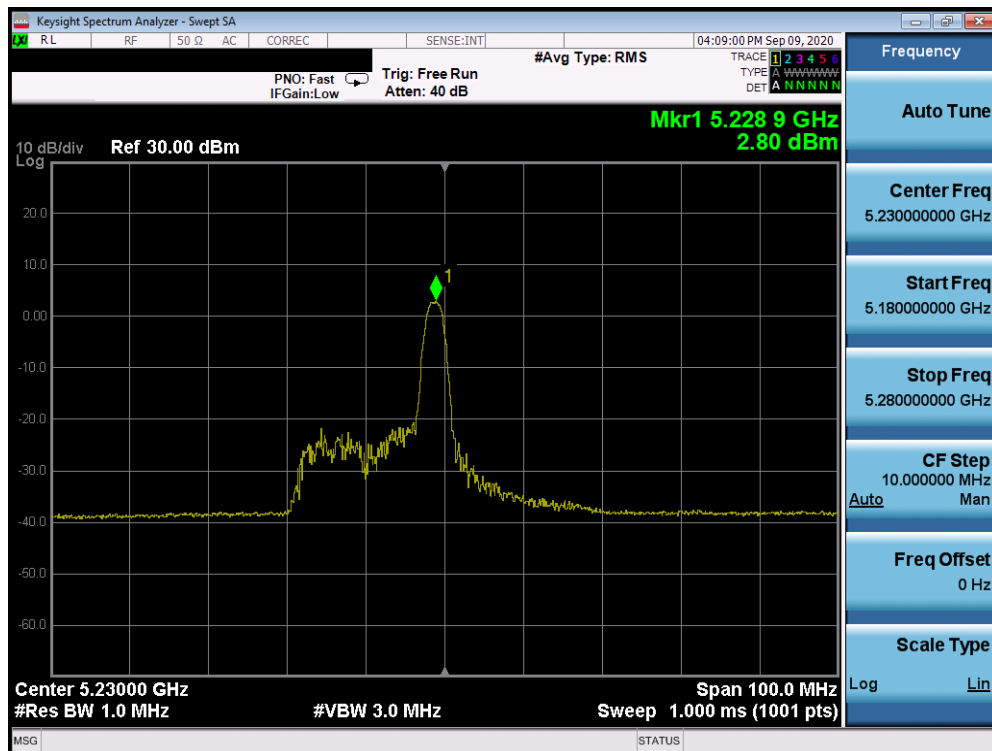


Plot 7-1206. ISED Power Spectral Density Plot SDM Antenna 1b (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 46)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 702 of 958

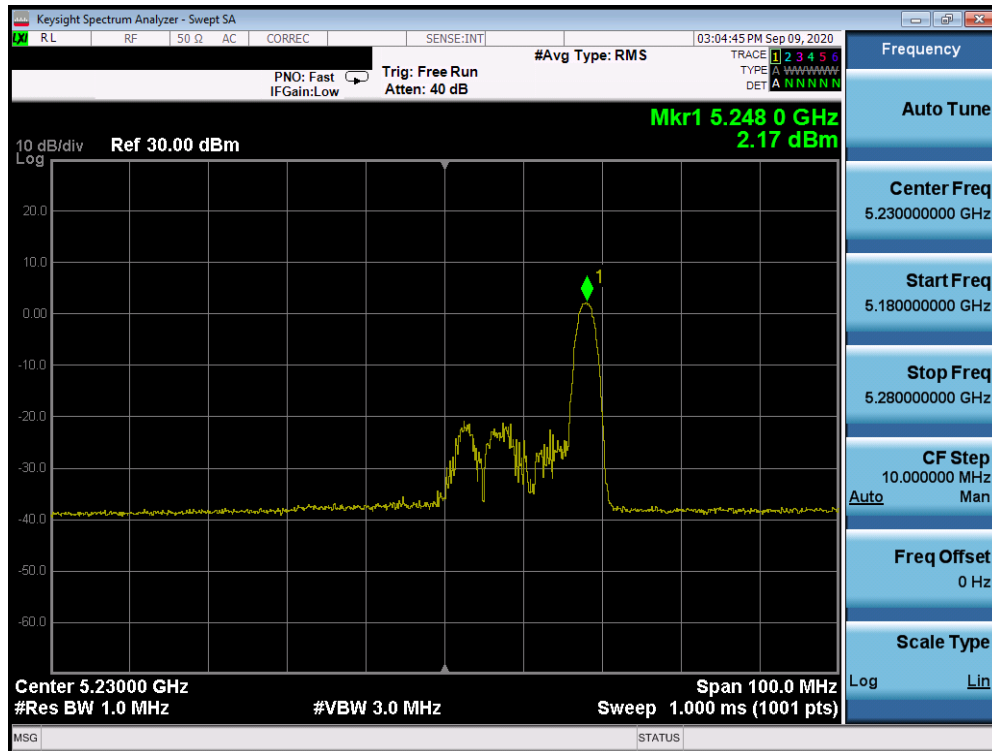


Plot 7-1207. ISED Power Spectral Density Plot SDM Antenna 2b (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 1) – Ch. 46)

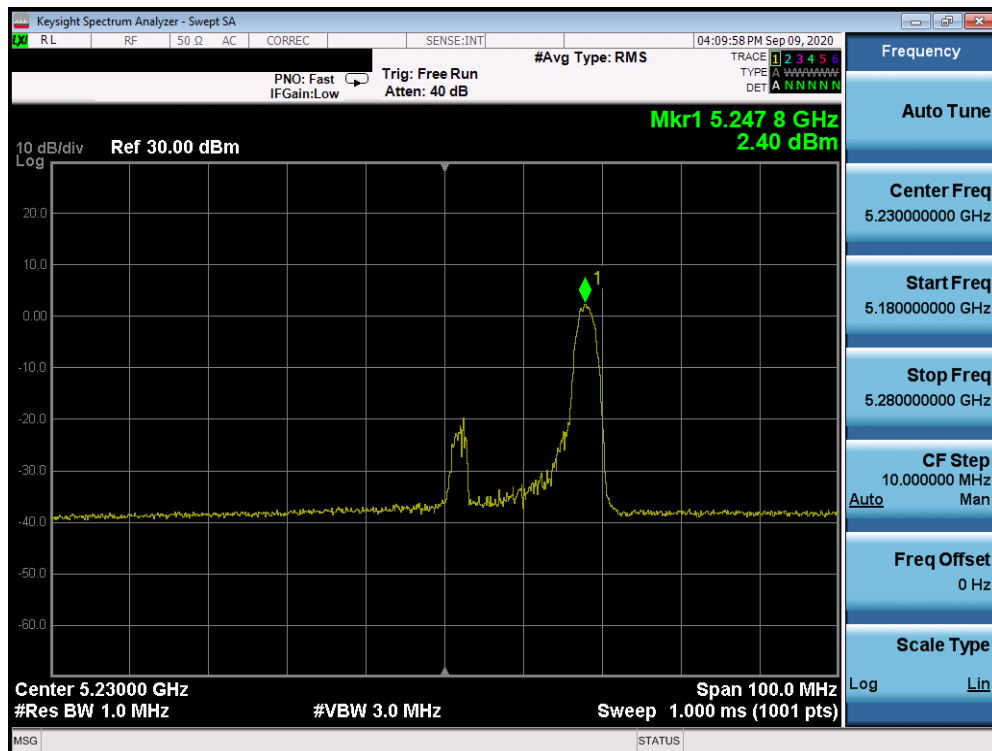


Plot 7-1208. ISED Power Spectral Density Plot SDM Antenna 1b (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 1) – Ch. 46)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 703 of 958

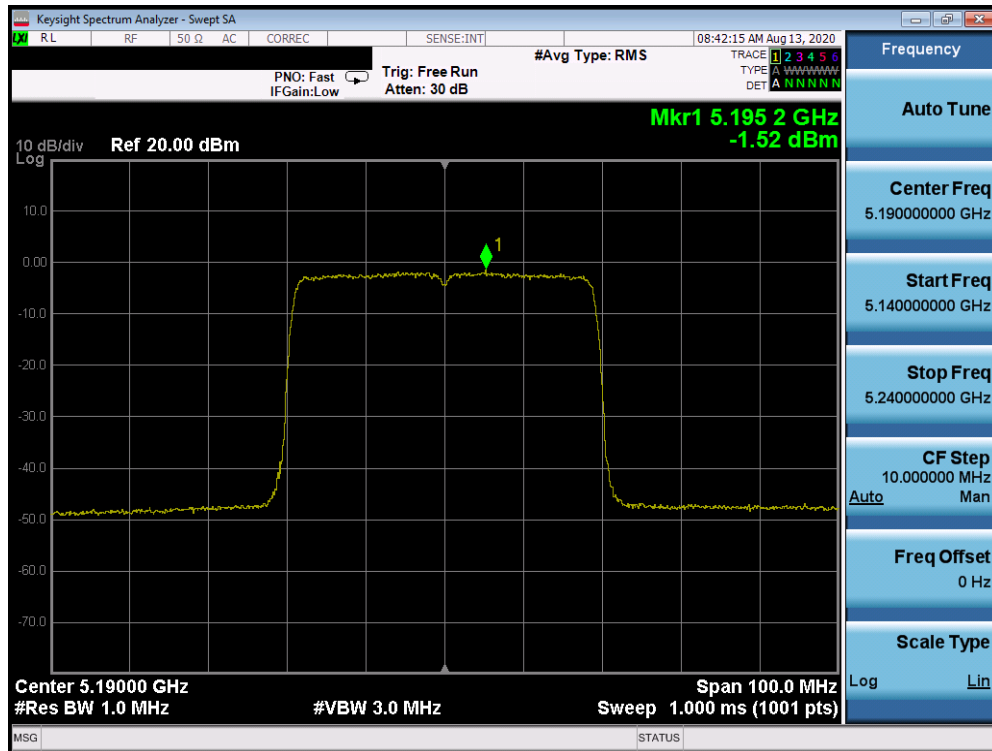


Plot 7-1209. ISD Power Spectral Density Plot SDM Antenna 2b (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 1) – Ch. 46)

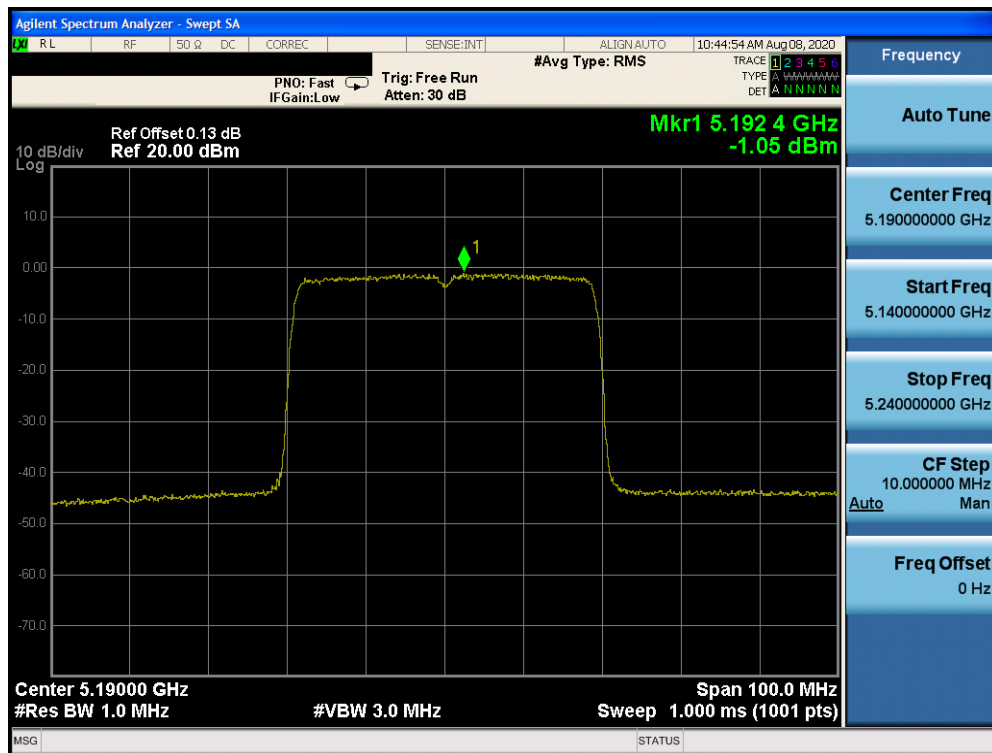


Plot 7-1210. ISD Power Spectral Density Plot SDM Antenna 1b (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 1) – Ch. 46)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 704 of 958

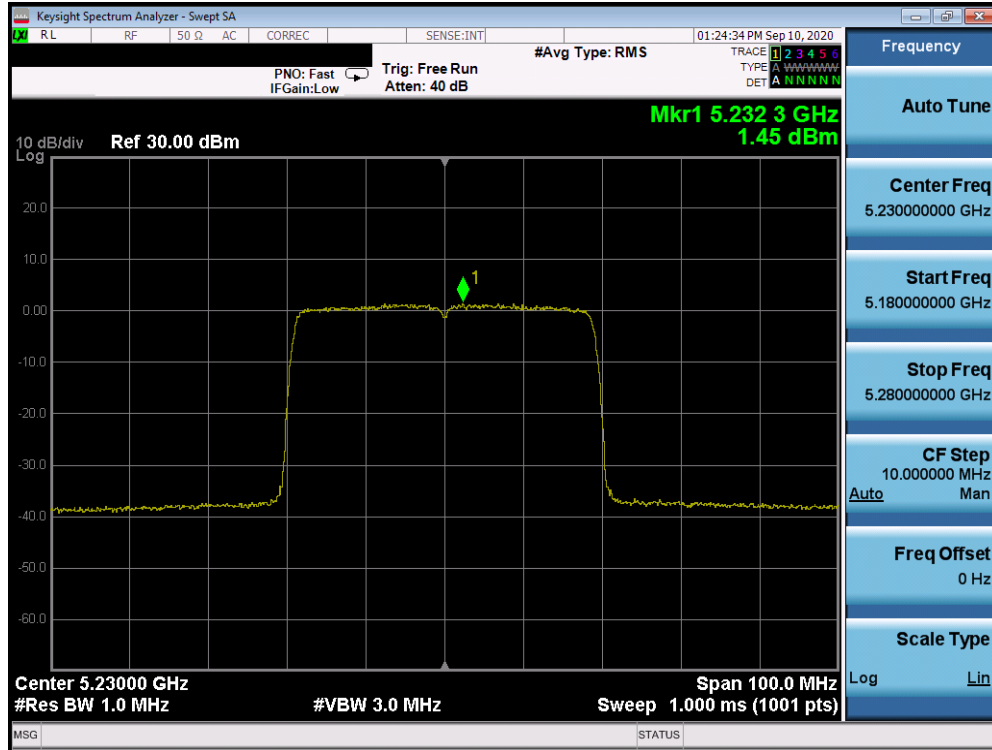


Plot 7-1211. ISED Power Spectral Density Plot SDM Antenna 2b (40MHz BW 802.11ax – RU484 (UNII Band 1) – Ch. 38)

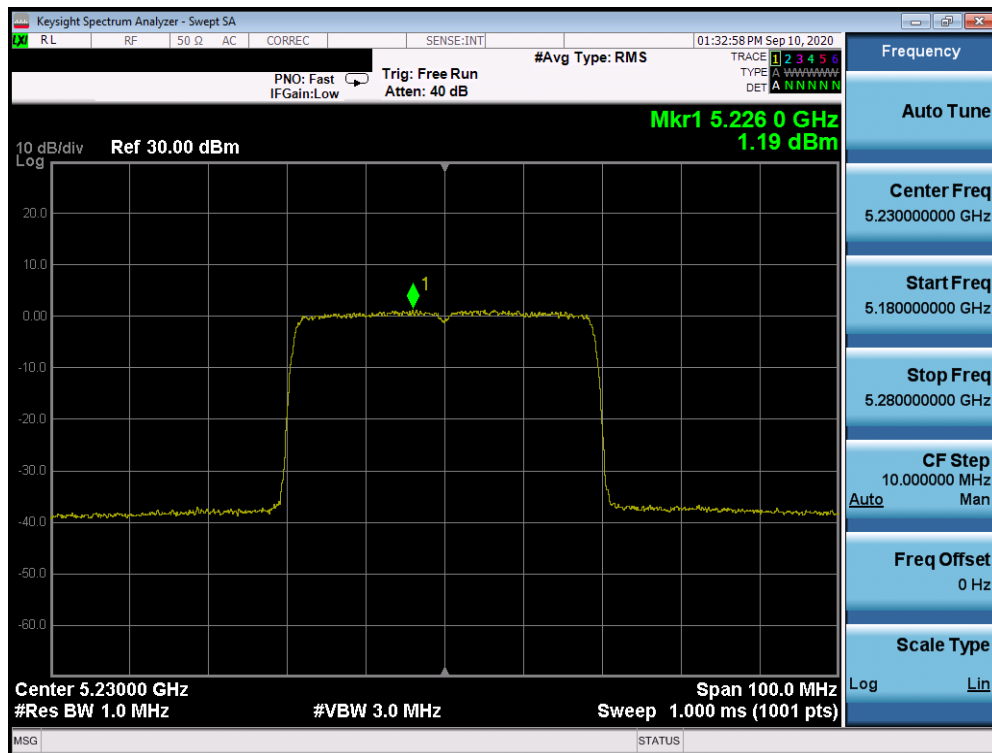


Plot 7-1212. ISED Power Spectral Density Plot SDM Antenna 1b (40MHz BW 802.11ax – RU484 (UNII Band 1) – Ch. 38)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 705 of 958

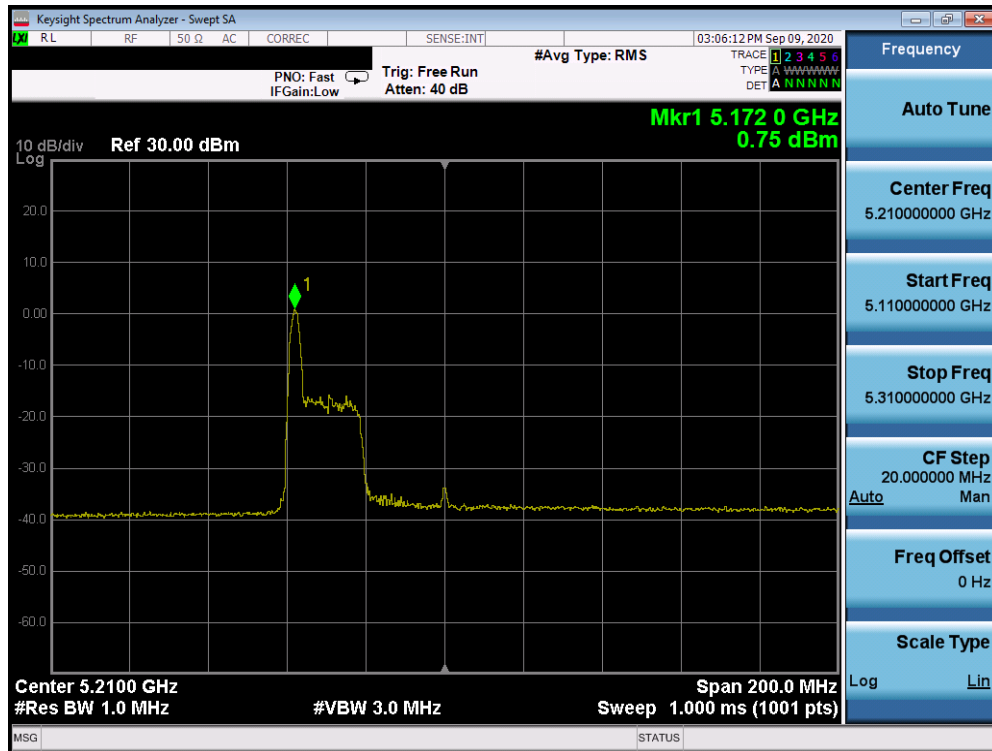


Plot 7-1213. ISED Power Spectral Density Plot SDM Antenna 2b (40MHz BW 802.11ax – RU484 (UNII Band 1) – Ch. 46)

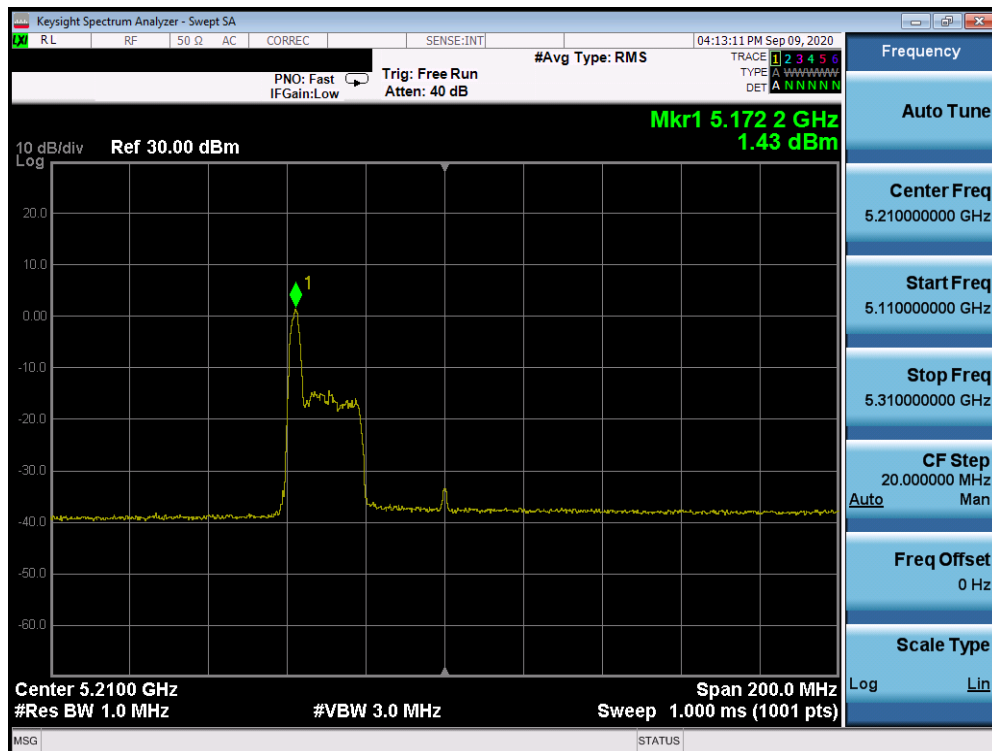


Plot 7-1214. ISED Power Spectral Density Plot SDM Antenna 1b (40MHz BW 802.11ax – RU484 (UNII Band 1) – Ch. 46)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 706 of 958

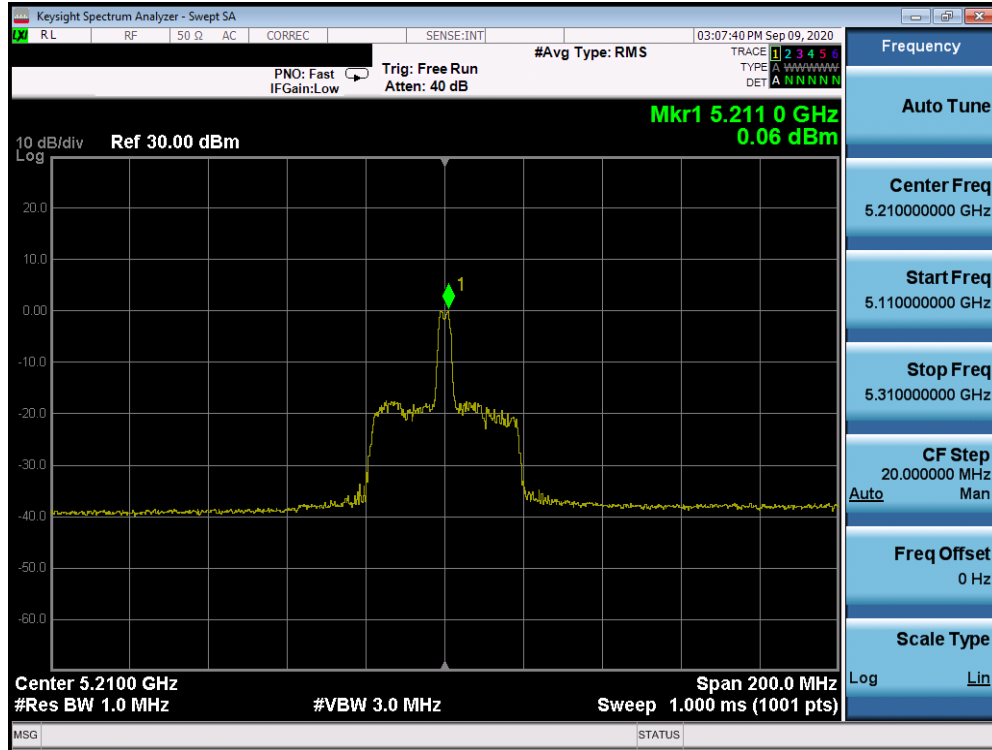


Plot 7-1215. ISED Power Spectral Density Plot CDD Antenna 2b (80MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 42)

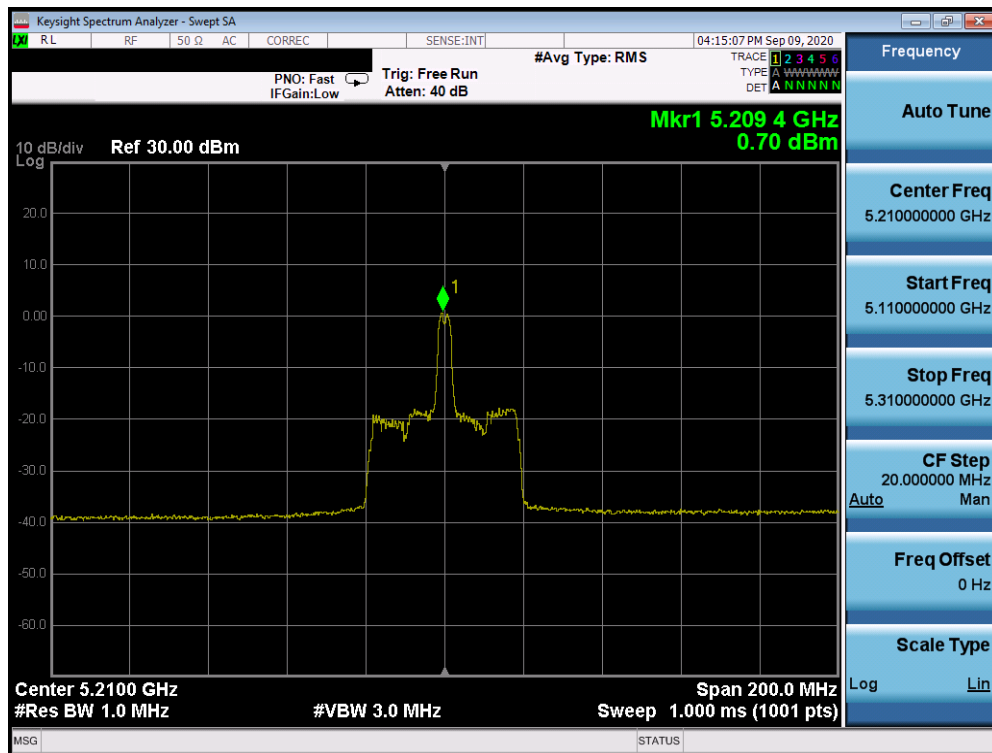


Plot 7-1216. ISED Power Spectral Density Plot CDD Antenna 1b (80MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 42)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 707 of 958

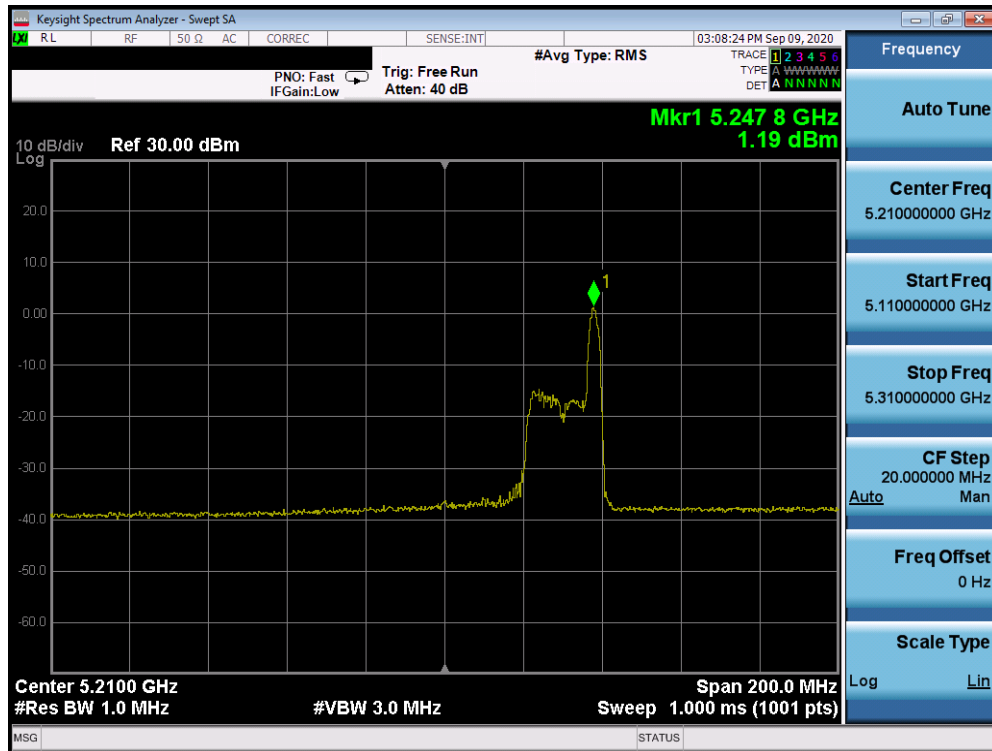


Plot 7-1217. ISED Power Spectral Density Plot CDD Antenna 2b (80MHz BW 802.11ax Index 18 – RU26 (UNII Band 1) – Ch. 42)

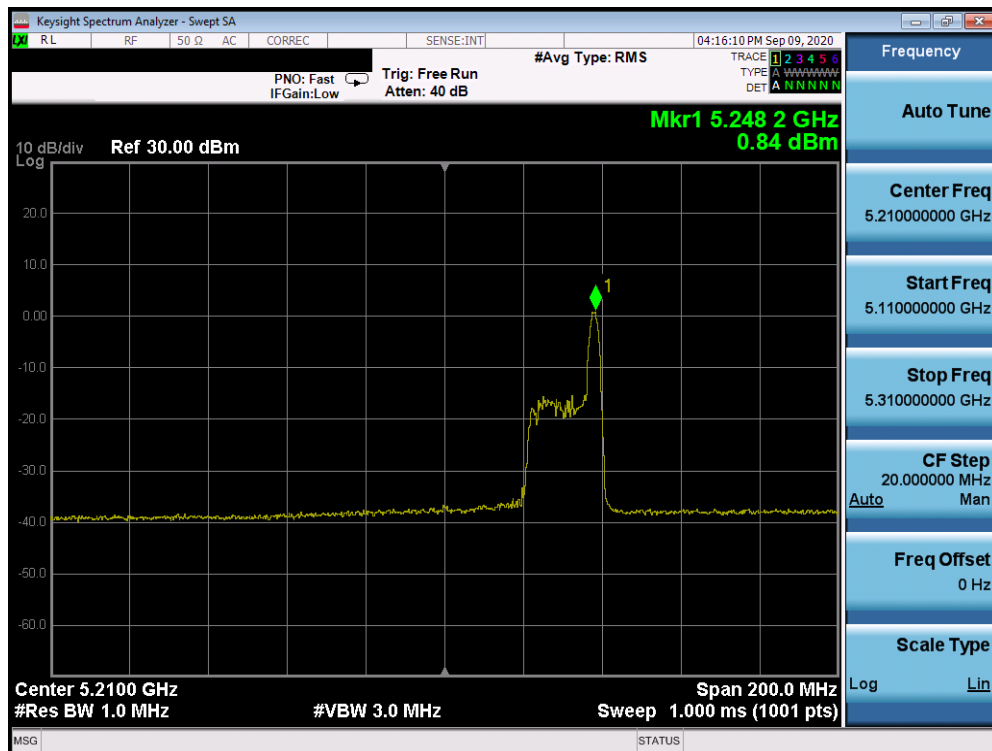


Plot 7-1218. ISED Power Spectral Density Plot CDD Antenna 1b (80MHz BW 802.11ax Index 18 – RU26 (UNII Band 1) – Ch. 42)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 708 of 958

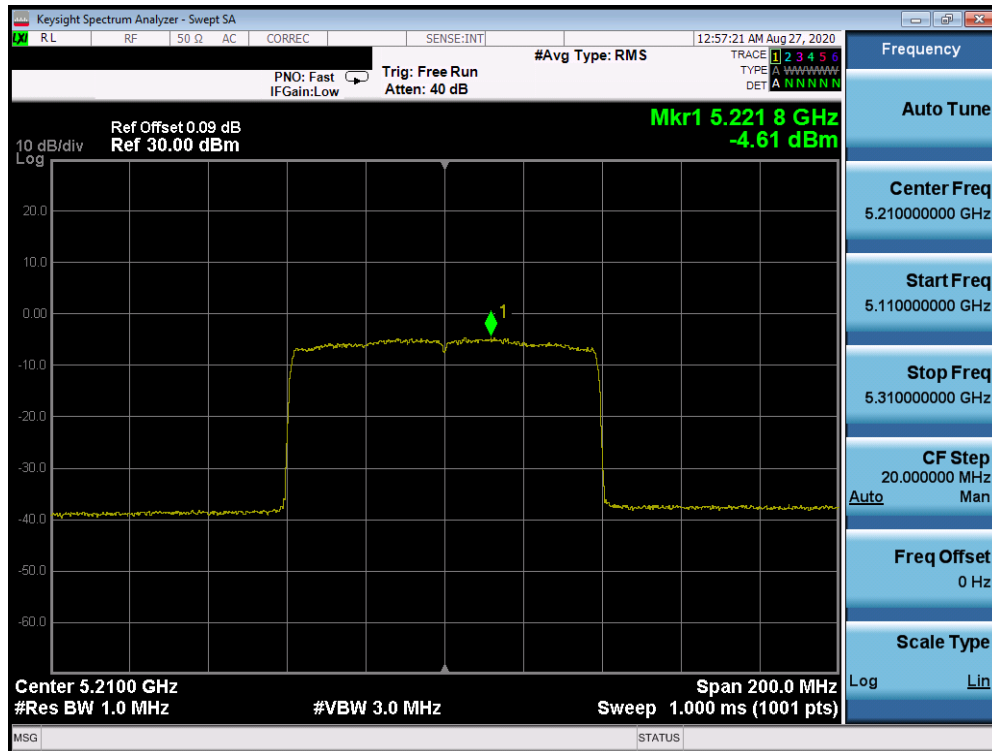


Plot 7-1219. ISED Power Spectral Density Plot CDD Antenna 2b (80MHz BW 802.11ax Index 36 – RU26 (UNII Band 1) – Ch. 42)

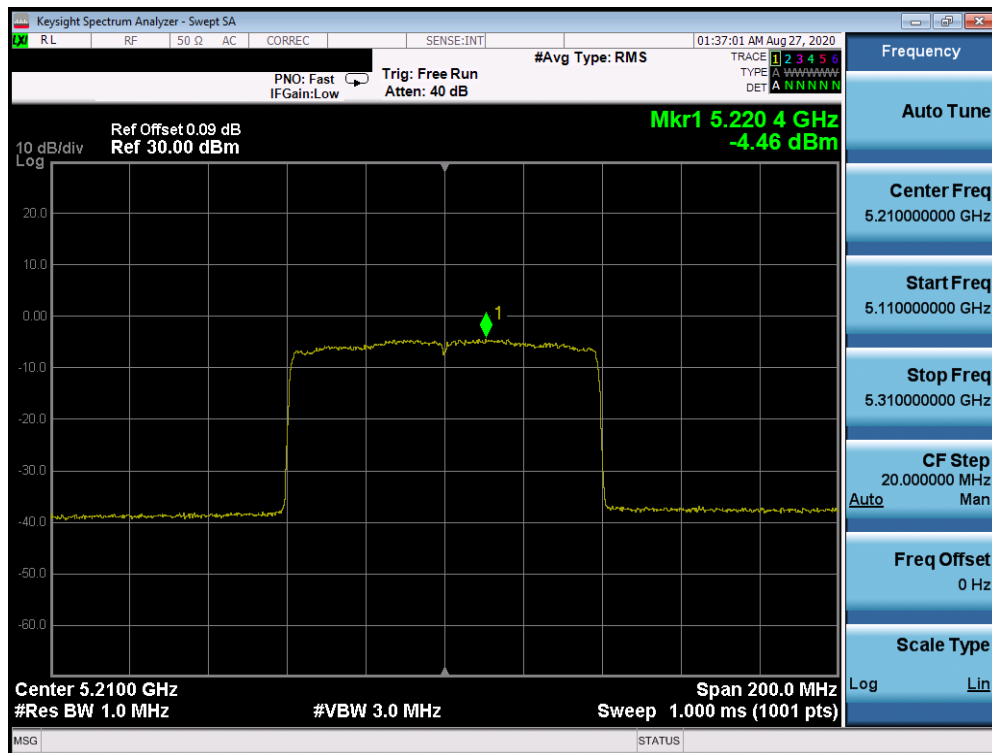


Plot 7-1220. ISED Power Spectral Density Plot CDD Antenna 1b (80MHz BW 802.11ax Index 36 – RU26 (UNII Band 1) – Ch. 42)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 709 of 958



Plot 7-1221. ISED Power Spectral Density Plot CDD Antenna 2b (80MHz BW 802.11ax – RU996 (UNII Band 1) – Ch. 42)



Plot 7-1222. ISED Power Spectral Density Plot CDD Antenna 1b (80MHz BW 802.11ax – RU996 (UNII Band 1) – Ch. 42)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Note:

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 1 and Antenna 2 were first measured separately with reduced Antenna 1 and Antenna 2 powers per manufacture's tune-up document. The measured values were then summed in linear power units then converted back to dBm.

Sample Directional Gain Calculation:

Assuming the antenna gain is -8.61 dBi for Antenna-1 and -7.68 dBi for Antenna-2.

$$\begin{aligned} \text{Directional gain} &= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{-8.61/20} + 10^{-7.68/20} / 2] \text{ dBi} \\ &= (-5.12) \text{ dBi} \end{aligned}$$

Sample CDD Calculation:

Assuming the average conducted power spectral density was measured to be 5.88 dBm for Antenna-1 and 6.27 dBm for Antenna-2.

$$\text{Antenna 1} + \text{Antenna 2} = \text{CDD}$$

$$(5.88 \text{ dBm} + 6.27 \text{ dBm}) = (3.87 \text{ mW} + 4.24 \text{ mW}) = 8.11 \text{ mW} = 9.09 \text{ dBm}$$

Sample e.i.r.p Power Spectral Density Calculation:

Assuming the average CDD power density was calculated to be 9.09 dBm with directional gain of -5.12 dBi.

$$\text{e.i.r.p. Power Spectral Density(dBm)} = \text{Power Spectral Density (dBm)} + \text{directional gain (dBi)}$$

$$9.09 \text{ dBm} + (-5.12) \text{ dBi} = 3.97 \text{ dBm}$$

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7.6 Radiated Spurious Emission – 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 v02r01, and at the appropriate frequencies. All channels, modes (e.g. RU26, 52 Tones, RU106, RU242, RU484 and RU996), 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 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-134 per Section 15.209 and RSS-Gen (8.9).

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

Table 7-134. Radiated Limits

Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5
 KDB 789033 D02 v02r01 – Section G

Test Settings

Average Field Strength Measurements

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 $\geq 2 \times \text{span/RBW}$)
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

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Peak Field Strength Measurements

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

Test Setup

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

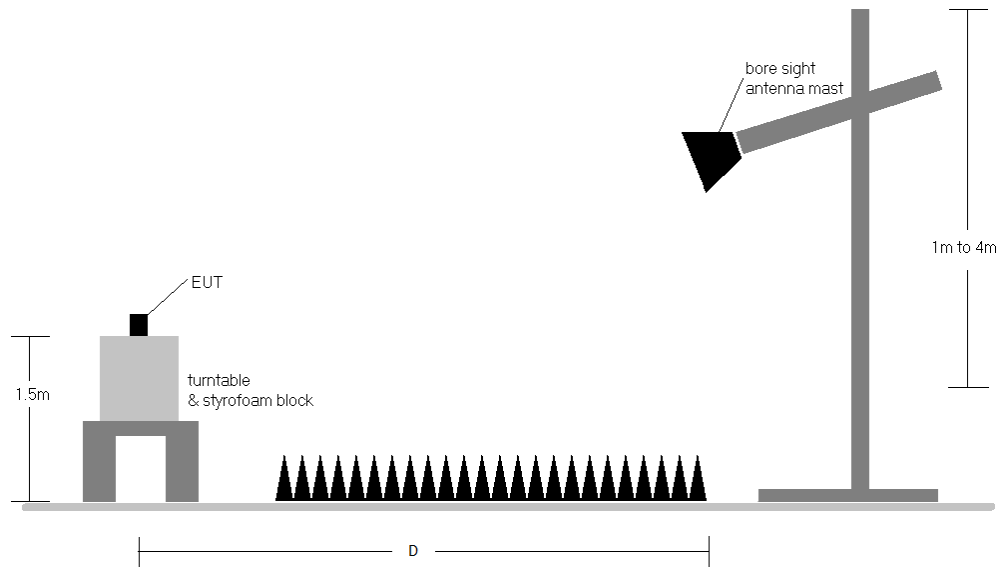


Figure 7-5. Test Instrument & Measurement Setup

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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 7-134.
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 7-134. 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 dBμV/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 68.2dBμV/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.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. 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.
8. The “-” shown in the following RSE tables are used to denote a noise floor measurement.
9. Per RSS-247 Section 6.2.3, transmission on channels which overlap the 5600-5650 MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.
10. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all of the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.
11. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all of the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Sample Calculations

Determining Spurious Emissions Levels

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

Radiated Band Edge Measurement Offset

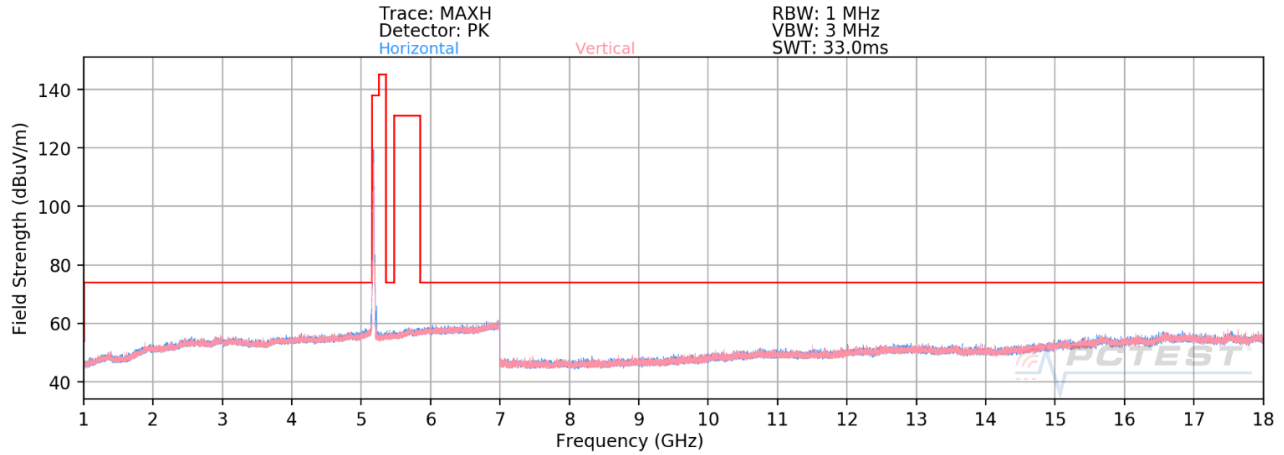
- The amplitude offset shown in the radiated restricted band edge plots in Section 0 was calculated using the formula:

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

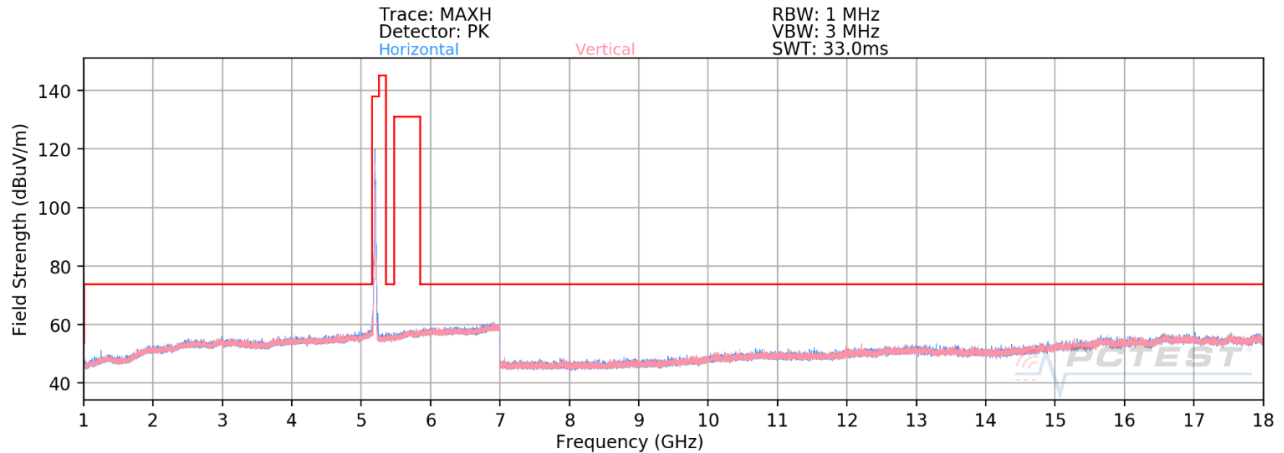
FCC ID: BCGA2324	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.6.1 Antenna 2b Radiated Spurious Emission

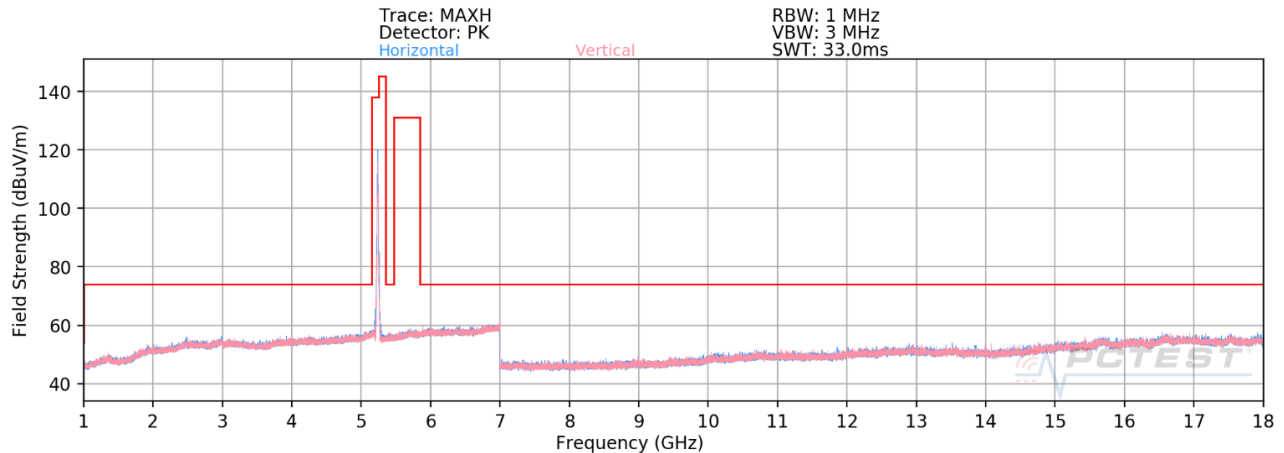
RU26



Plot 7-1223. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 1, Ch. 36 – RU26)

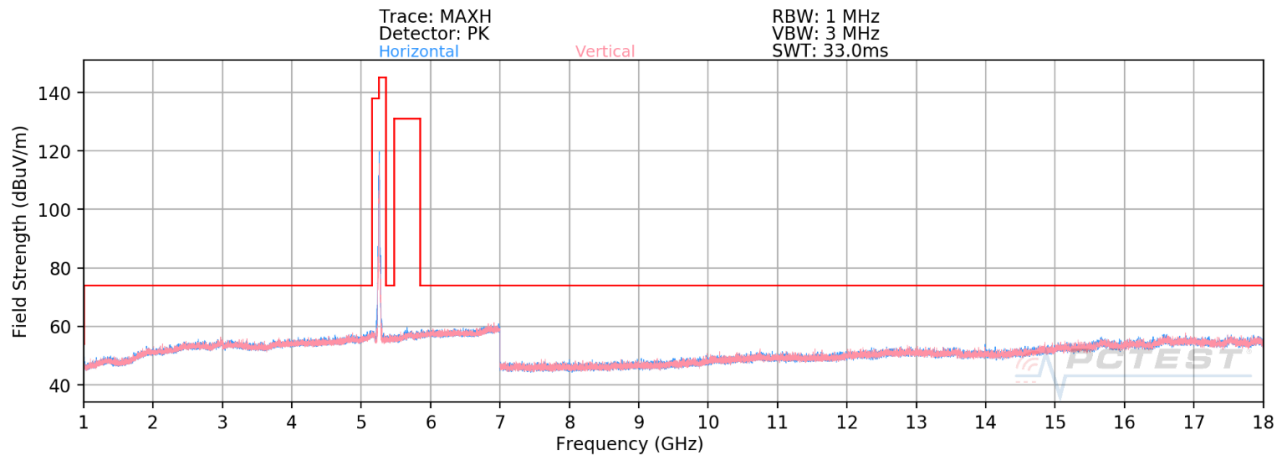


Plot 7-1224. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 1, Ch. 40 – RU26)

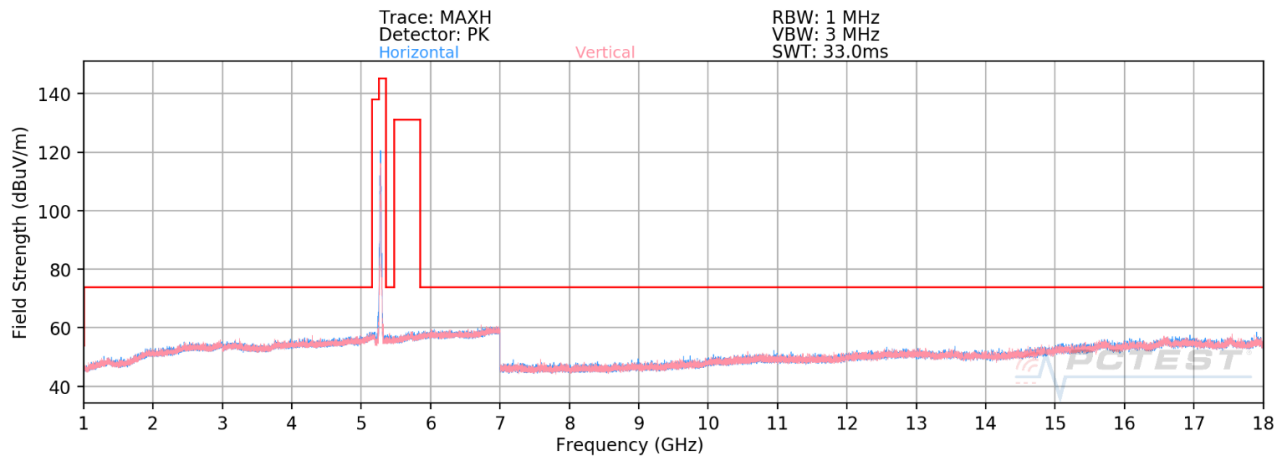


Plot 7-1225. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 1, Ch. 48 – RU26)

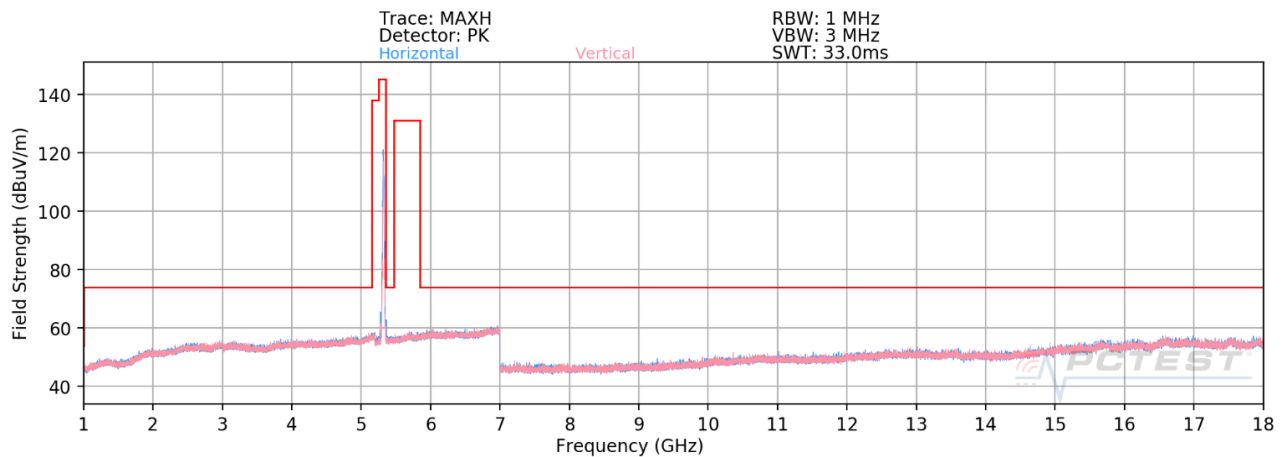
FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-1226. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2A, Ch. 52 – RU26)

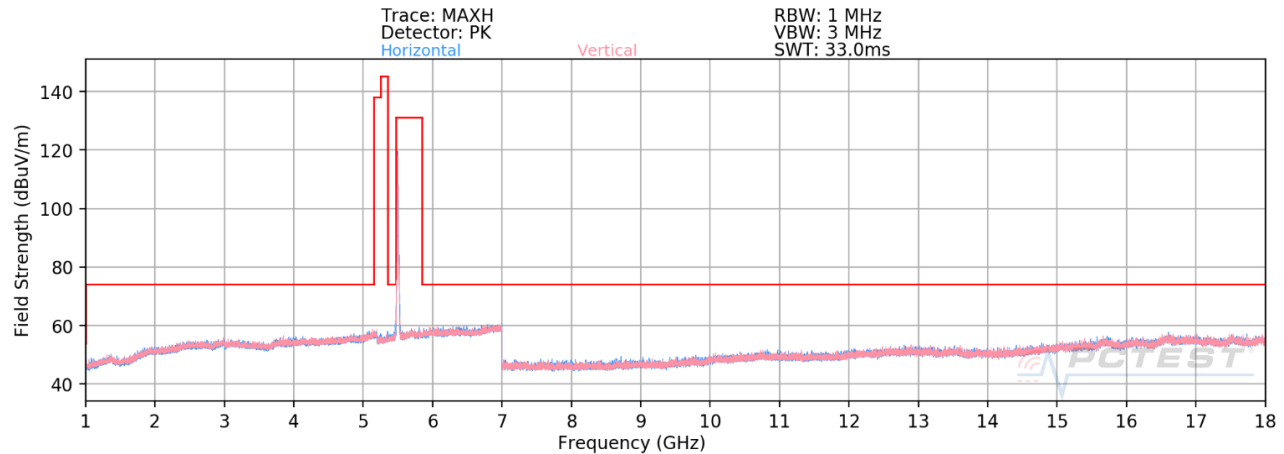


Plot 7-1227. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2A, Ch. 56 – RU26)

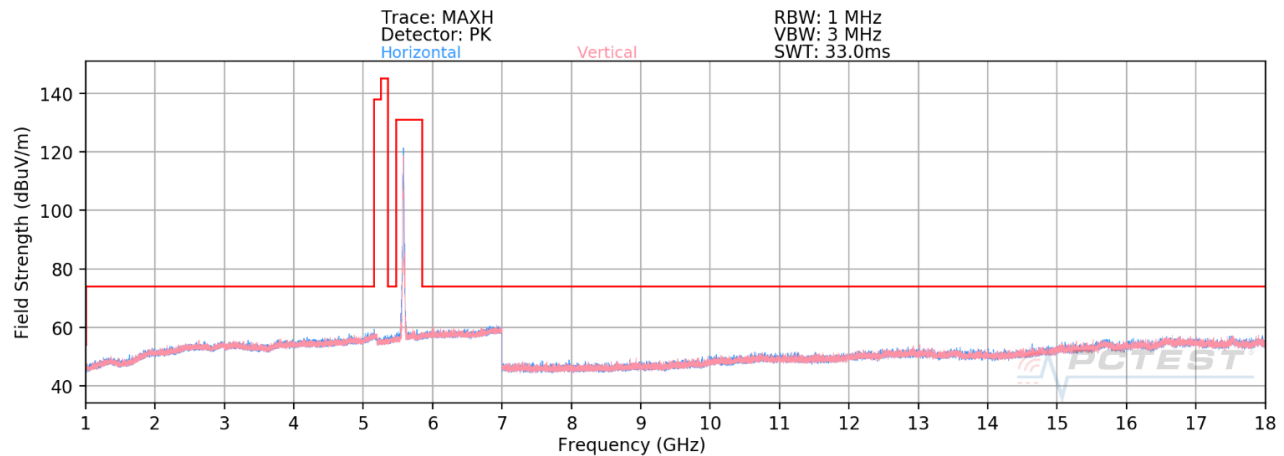


Plot 7-1228. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2A, Ch. 64 – RU26)

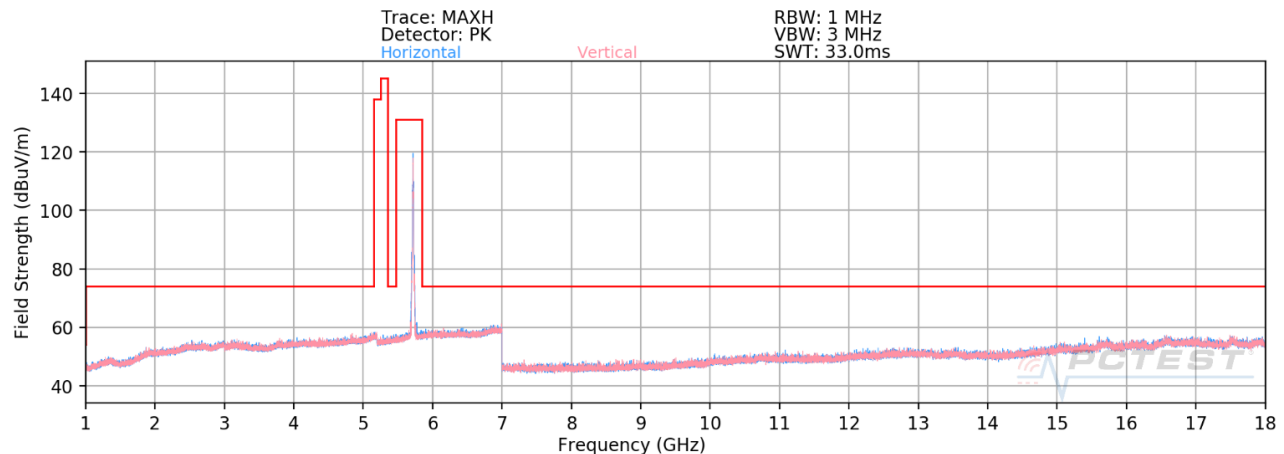
FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 717 of 958



Plot 7-1229. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2C, Ch. 100 – RU26)

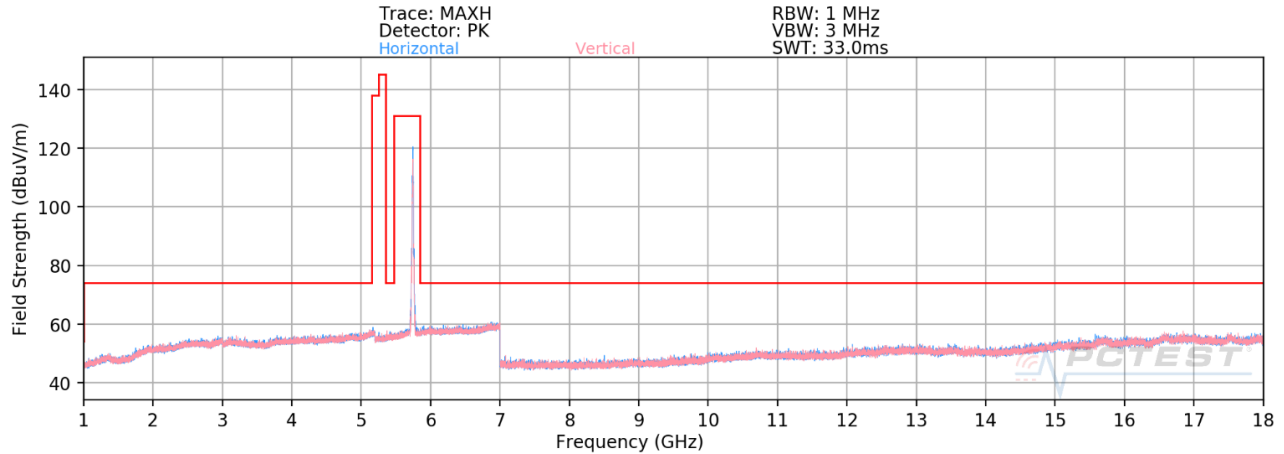


Plot 7-1230. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2C, Ch. 116 – RU26)

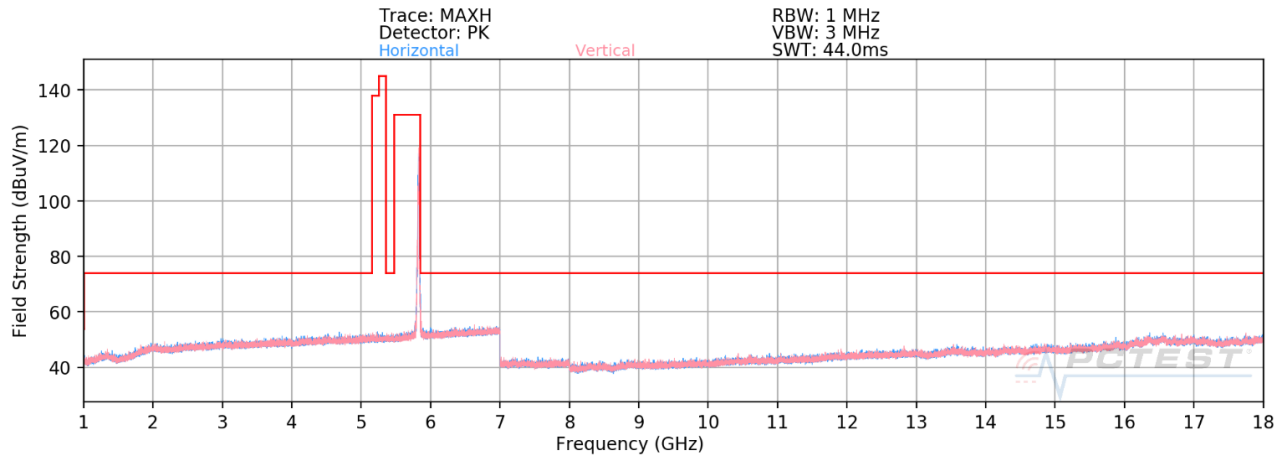


Plot 7-1231. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2C, Ch. 144 – RU26)

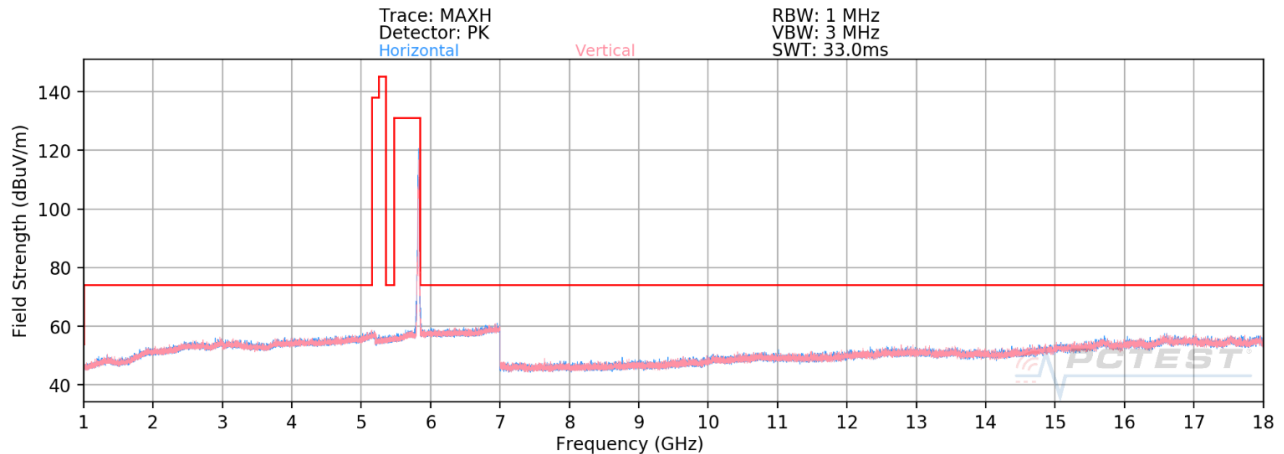
FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 718 of 958



Plot 7-1232. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 3, Ch. 149 – RU26)



Plot 7-1233. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 3, Ch. 157 – RU26)



Plot 7-1234. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 3, Ch. 165 – RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 719 of 958

Antenna 2b Radiated Spurious Emission (RU26)

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11ax (20MHz BW)
Worst Case Transfer Rate:	MCS11
RU Index:	4
Distance of Measurements:	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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10360.00	Peak	H	-	-	-68.32	12.62	51.30	68.20	-16.90
* 15540.00	Average	H	-	-	-81.45	18.27	43.82	53.98	-10.16
* 15540.00	Peak	H	-	-	-70.08	18.27	55.19	73.98	-18.79

Table 7-135. Radiated Measurements Antenna 2b (RU26)

Worst Case Mode:	802.11ax (20MHz BW)
Worst Case Transfer Rate:	MCS11
RU Index:	4
Distance of Measurements:	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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10400.00	Peak	H	-	-	-68.81	13.01	51.20	68.20	-17.00
* 15600.00	Average	H	-	-	-81.58	19.04	44.46	53.98	-9.52
* 15600.00	Peak	H	-	-	-69.91	19.04	56.13	73.98	-17.85

Table 7-136. Radiated Measurements Antenna 2b (RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 720 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10480.00	Peak	H	-	-	-68.81	12.58	50.77	68.20	-17.43
* 15720.00	Average	H	-	-	-82.68	20.38	44.70	53.98	-9.28
* 15720.00	Peak	H	-	-	-70.84	20.38	56.54	73.98	-17.44

Table 7-137. Radiated Measurements Antenna 2b (RU26)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10520.00	Peak	H	-	-	-68.80	12.46	50.66	68.20	-17.54
* 15780.00	Average	H	-	-	-82.33	19.59	44.26	53.98	-9.72
* 15780.00	Peak	H	-	-	-70.38	19.59	56.21	73.98	-17.77

Table 7-138. Radiated Measurements Antenna 2b (RU26)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device
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Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10560.00	Peak	H	-	-	-68.70	12.33	50.63	68.20	-17.57
* 15840.00	Average	H	-	-	-81.81	18.89	44.08	53.98	-9.90
* 15840.00	Peak	H	-	-	-70.48	18.89	55.41	73.98	-18.57

Table 7-139. Radiated Measurements Antenna 2b (RU26)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 10640.00	Average	H	-	-	-80.36	12.87	39.51	53.98	-14.47
* 10640.00	Peak	H	-	-	-69.22	12.87	50.65	73.98	-23.33
* 15960.00	Average	H	-	-	-82.10	19.04	43.94	53.98	-10.04
* 15960.00	Peak	H	-	-	-70.77	19.04	55.27	73.98	-18.71

Table 7-140. Radiated Measurements Antenna 2b (RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 722 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11000.00	Average	H	-	-	-80.69	13.31	39.62	53.98	-14.36
*	11000.00	Peak	H	-	-	-69.58	13.31	50.73	73.98	-23.25
	16500.00	Peak	H	-	-	-70.62	19.79	56.17	68.20	-12.03

Table 7-141. Radiated Measurements Antenna 2b (RU26)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11160.00	Average	H	-	-	-80.67	13.17	39.50	53.98	-14.48
*	11160.00	Peak	H	-	-	-69.35	13.17	50.82	73.98	-23.16
	16740.00	Peak	H	-	-	-70.11	19.83	56.72	68.20	-11.48

Table 7-142. Radiated Measurements Antenna 2b (RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 723 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11440.00	Average	H	-	-	-81.36	13.81	39.45	53.98	-14.53
*	11440.00	Peak	H	-	-	-70.31	13.81	50.50	73.98	-23.48
	17160.00	Peak	H	-	-	-71.08	19.96	55.88	68.20	-12.32

Table 7-143. Radiated Measurements Antenna 2b (RU26)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11490.00	Average	H	-	-	-81.36	14.03	39.67	53.98	-14.31
*	11490.00	Peak	H	-	-	-70.14	14.03	50.89	73.98	-23.09
	17235.00	Peak	H	-	-	-70.25	20.11	56.86	68.20	-11.34

Table 7-144. Radiated Measurements Antenna 2b (RU26)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device
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Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11570.00	Average	H	-	-	-81.40	14.21	39.81	53.98	-14.17
*	11570.00	Peak	H	-	-	-69.88	14.21	51.33	73.98	-22.65
	17355.00	Peak	H	-	-	-70.53	19.86	56.33	68.20	-11.87

Table 7-145. Radiated Measurements Antenna 2b (RU26)

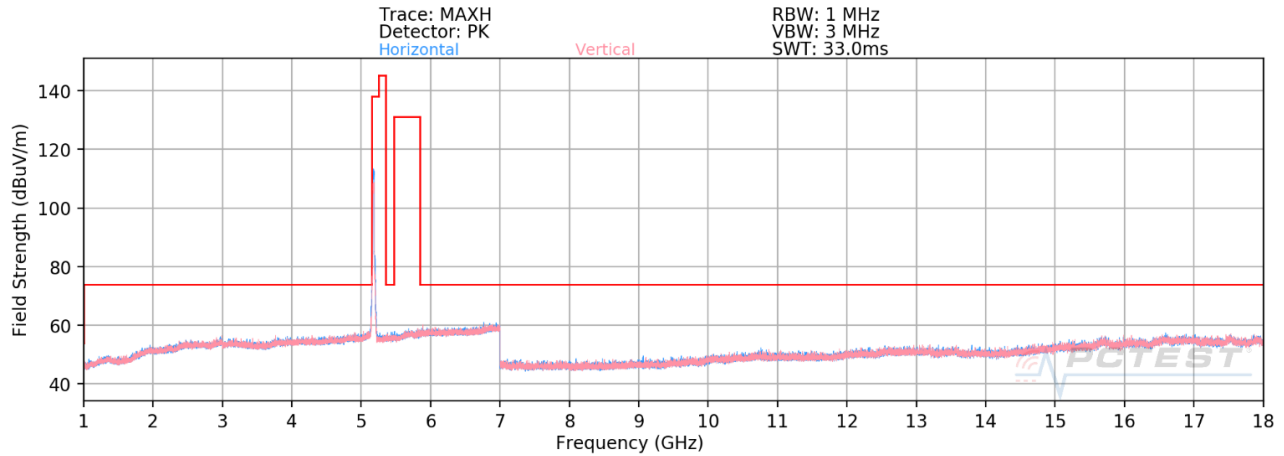
Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 3 Meters
Operating Frequency: 5825MHz
Channel: 165

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11650.00	Average	H	-	-	-81.53	14.25	39.72	53.98	-14.26
*	11650.00	Peak	H	-	-	-70.18	14.25	51.07	73.98	-22.91
	17475.00	Peak	H	-	-	-70.80	20.58	56.78	68.20	-11.42

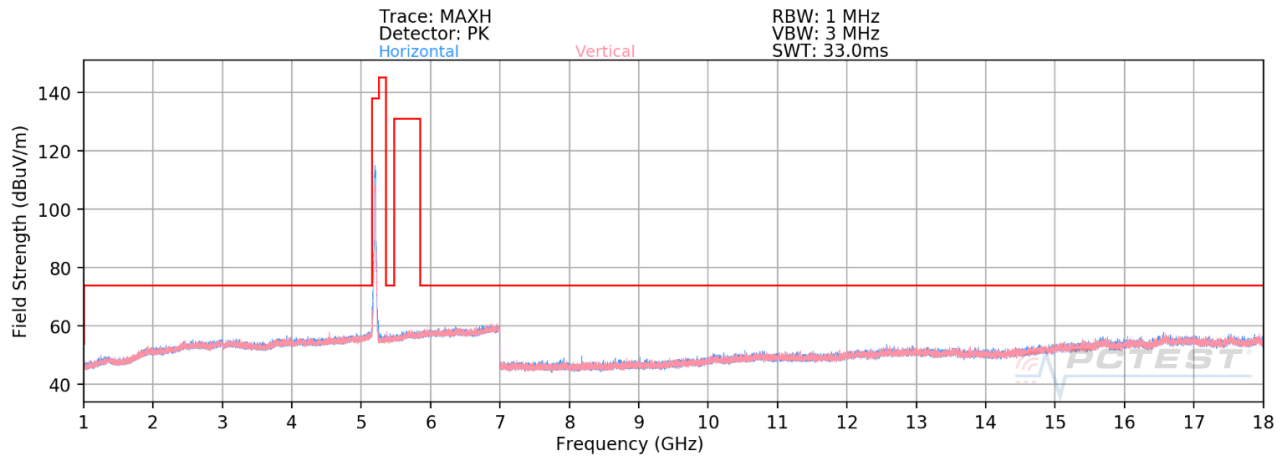
Table 7-146. Radiated Measurements Antenna 2b (RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 725 of 958

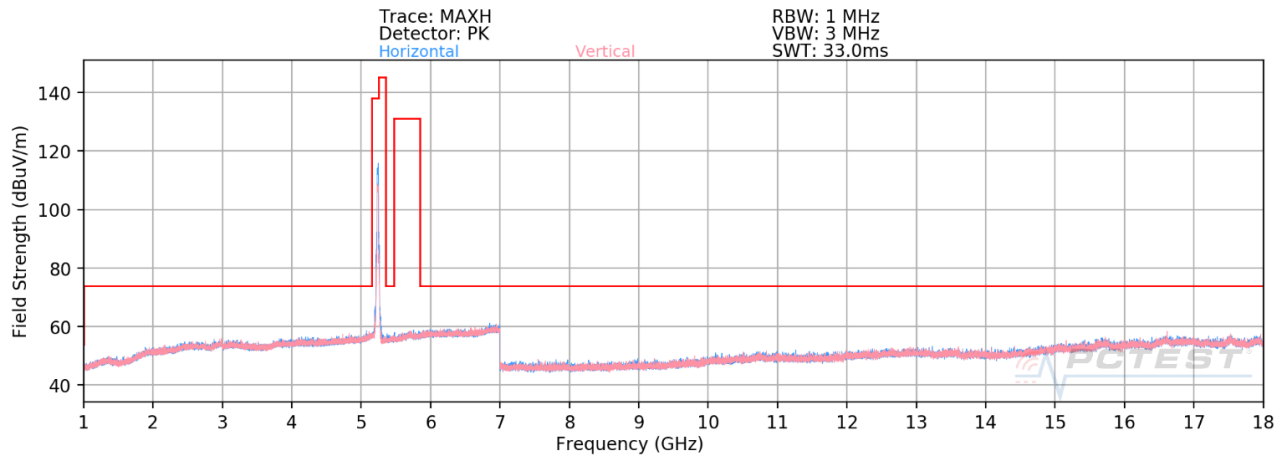
RU242



Plot 7-1235. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 1, Ch. 36 – RU242)

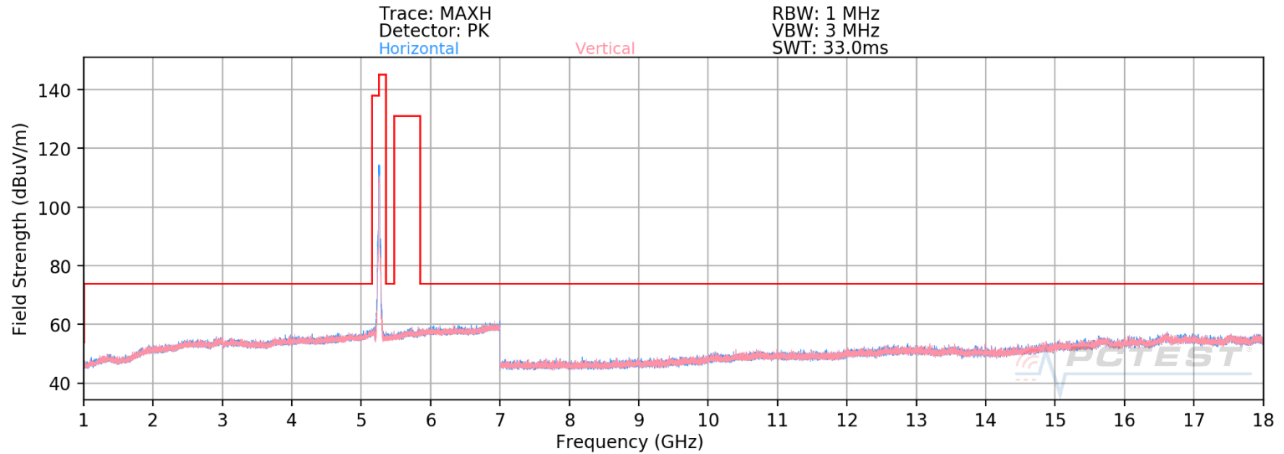


Plot 7-1236. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 1, Ch. 40 – RU242)

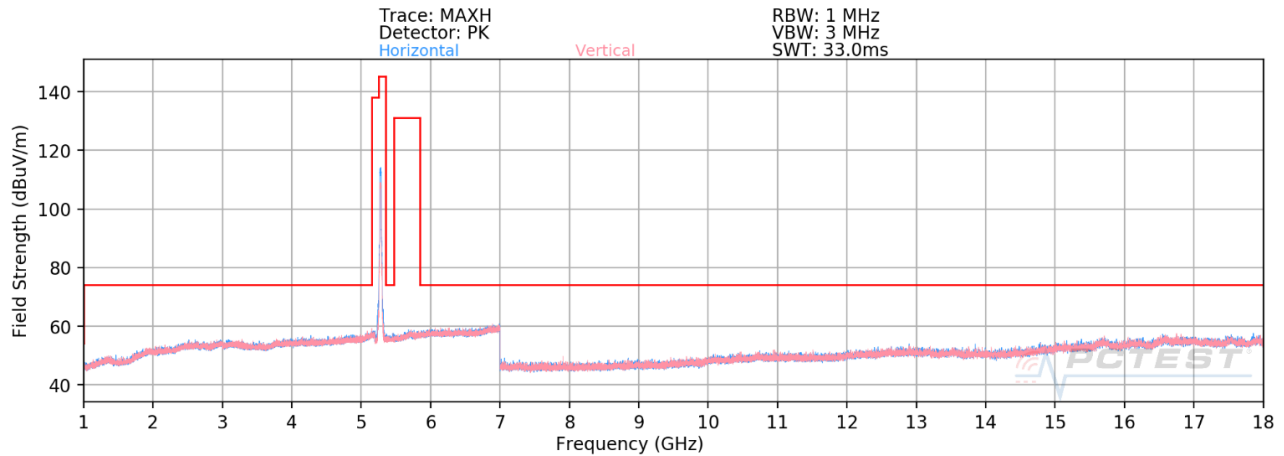


Plot 7-1237. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 1, Ch. 48 – RU242)

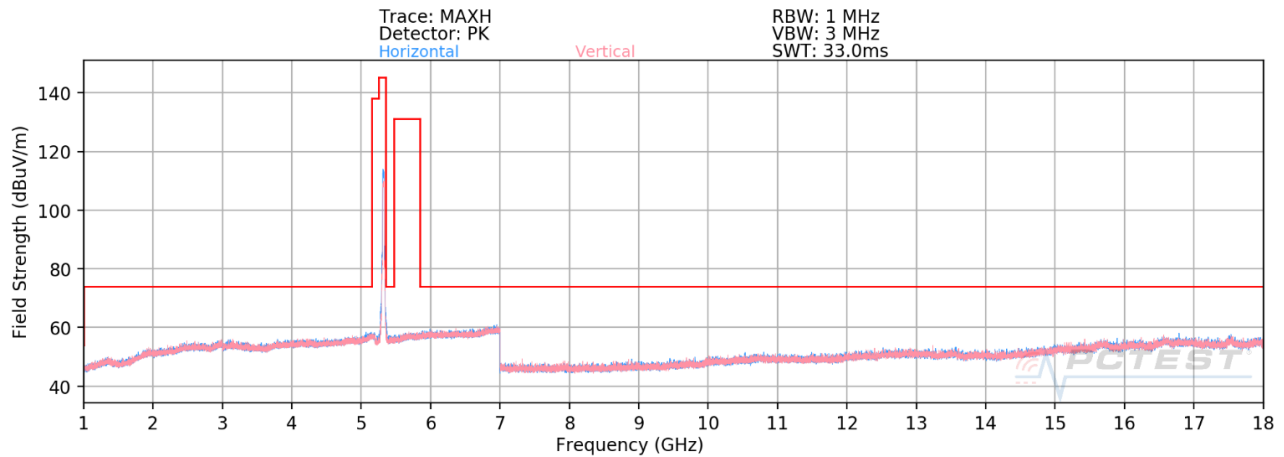
FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 726 of 958



Plot 7-1238. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2A, Ch. 52 – RU242)

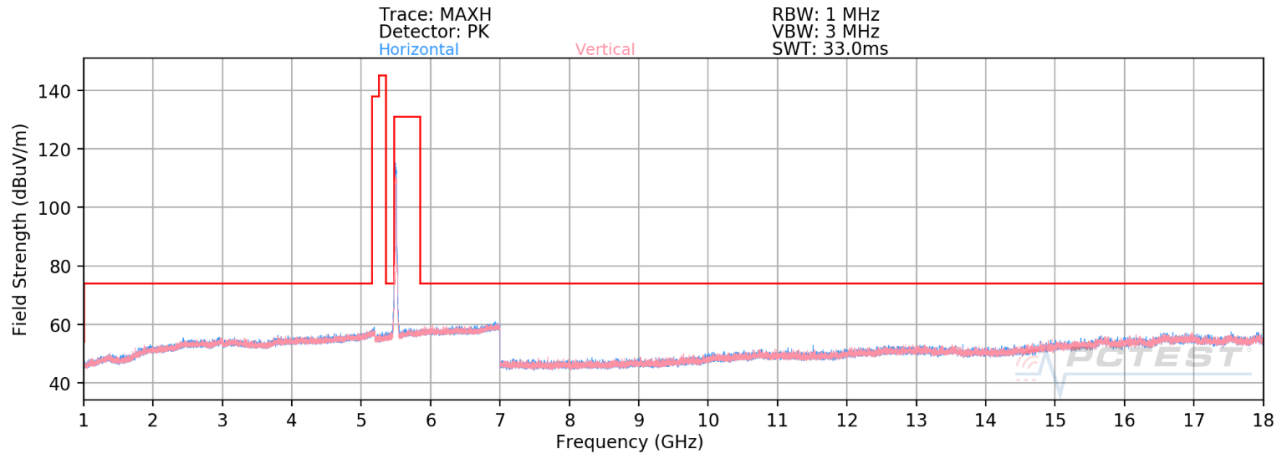


Plot 7-1239. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2A, Ch. 56 – RU242)

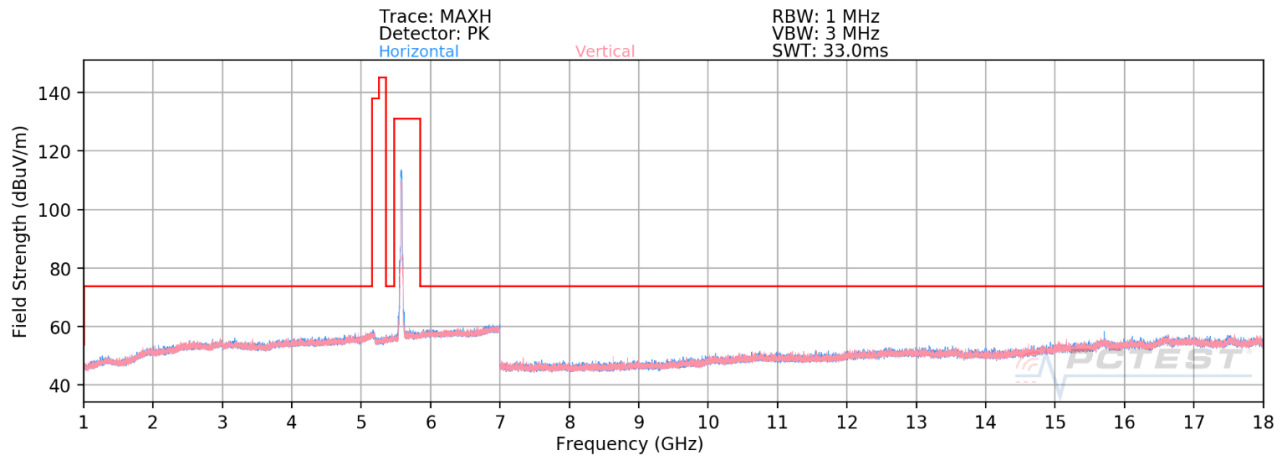


Plot 7-1240. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2A, Ch. 64 – RU242)

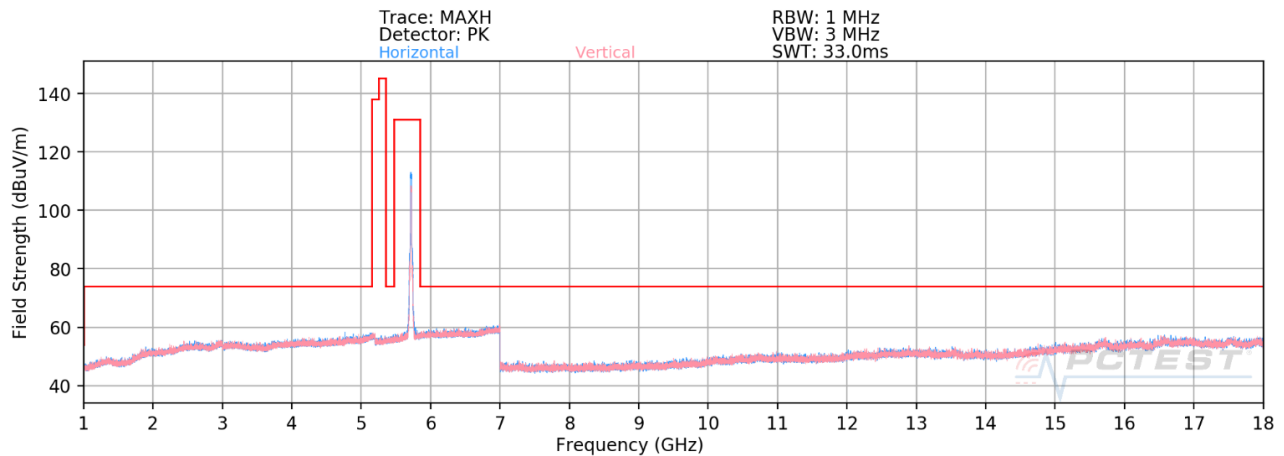
FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 727 of 958



Plot 7-1241. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2C, Ch. 100 – RU242)

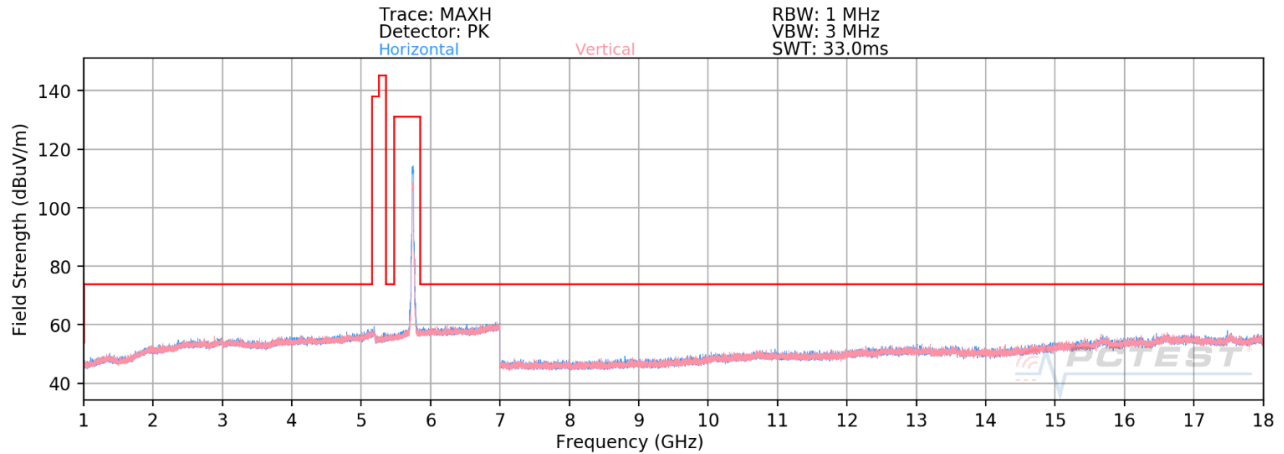


Plot 7-1242. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2C, Ch. 116 – RU242)

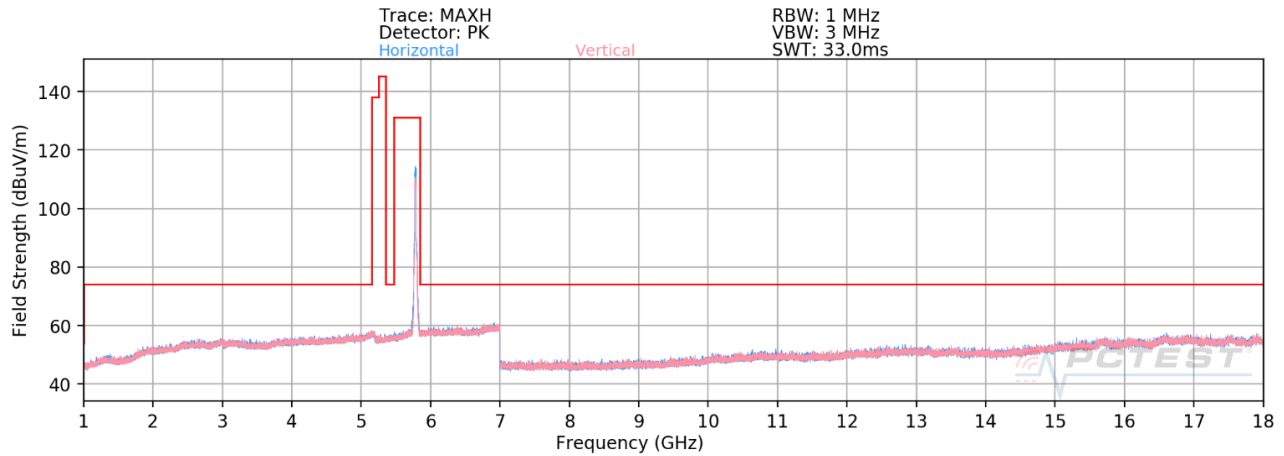


Plot 7-1243. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 2C, Ch. 144 – RU242)

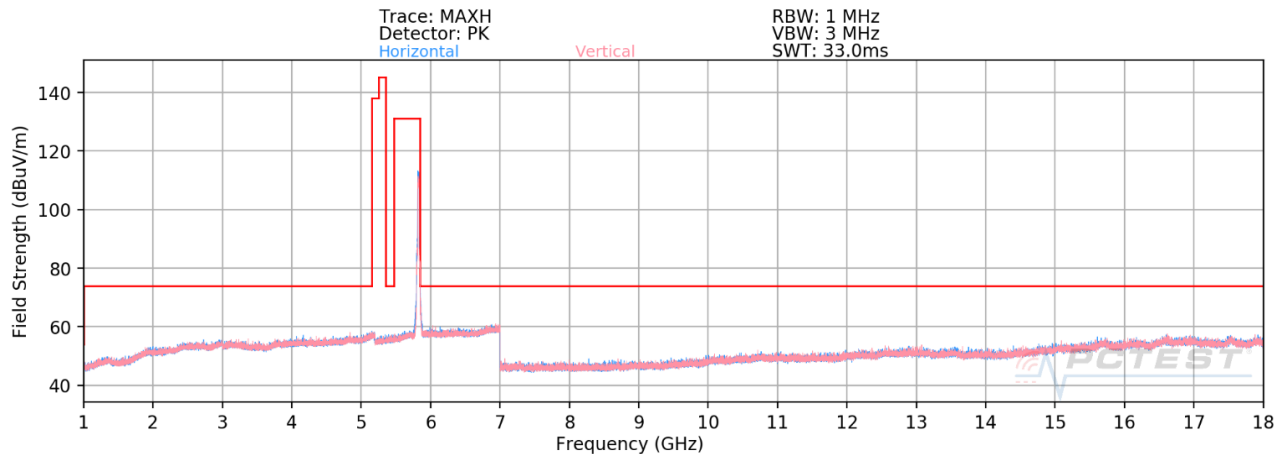
FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 728 of 958



Plot 7-1244. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 3, Ch. 149 – RU242)



Plot 7-1245. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 3, Ch. 157 – RU242)



Plot 7-1246. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11ax – UNII Band 3, Ch. 165 – RU242)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 729 of 958

Antenna 2b Radiated Spurious Emission (RU242)

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11ax (20MHz BW)
Worst Case Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10360.00	Peak	H	-	-	-69.32	12.62	50.30	68.20	-17.90
* 15540.00	Average	H	-	-	-81.88	18.27	43.39	53.98	-10.59
* 15540.00	Peak	H	-	-	-71.12	18.27	54.15	73.98	-19.83

Table 7-147. Radiated Measurements Antenna 2b (RU242)

Worst Case Mode:	802.11ax (20MHz BW)
Worst Case Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10400.00	Peak	H	-	-	-69.17	13.01	50.84	68.20	-17.36
* 15600.00	Average	H	-	-	-81.83	19.04	44.21	53.98	-9.77
* 15600.00	Peak	H	-	-	-71.10	19.04	54.94	73.98	-19.04

Table 7-148. Radiated Measurements Antenna 2b (RU242)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 730 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 61
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10480.00	Peak	H	-	-	-69.24	12.58	50.34	68.20	-17.86
* 15720.00	Average	H	-	-	-82.59	20.38	44.79	53.98	-9.19
* 15720.00	Peak	H	-	-	-71.59	20.38	55.79	73.98	-18.19

Table 7-149. Radiated Measurements Antenna 2b (RU242)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 61
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10520.00	Peak	H	-	-	-68.34	12.46	51.12	68.20	-17.08
* 15780.00	Average	H	-	-	-82.54	19.59	44.05	53.98	-9.93
* 15780.00	Peak	H	-	-	-71.45	19.59	55.14	73.98	-18.84

Table 7-150. Radiated Measurements Antenna 2b (RU242)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 731 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 61
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10560.00	Peak	H	-	-	-68.17	12.33	51.16	68.20	-17.04
* 15840.00	Average	H	-	-	-82.13	18.89	43.76	53.98	-10.22
* 15840.00	Peak	H	-	-	-71.02	18.89	54.87	73.98	-19.11

Table 7-151. Radiated Measurements Antenna 2b (RU242)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 61
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 10640.00	Average	H	-	-	-80.79	12.87	39.08	53.98	-14.90
* 10640.00	Peak	H	-	-	-69.13	12.87	50.74	73.98	-23.24
* 15960.00	Average	H	-	-	-82.58	19.04	43.46	53.98	-10.52
* 15960.00	Peak	H	-	-	-72.03	19.04	54.01	73.98	-19.97

Table 7-152. Radiated Measurements Antenna 2b (RU242)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 732 of 958

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS11
 RU Index: 61
 Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11000.00	Average	H	-	-	-81.04	13.31	39.27	53.98	-14.71
*	11000.00	Peak	H	-	-	-69.46	13.31	50.85	73.98	-23.13
	16500.00	Peak	H	-	-	-70.90	19.79	55.89	68.20	-12.31

Table 7-153. Radiated Measurements Antenna 2b (RU242)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS11
 RU Index: 61
 Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11160.00	Average	H	-	-	-80.95	13.17	39.22	53.98	-14.76
*	11160.00	Peak	H	-	-	-69.42	13.17	50.75	73.98	-23.23
	16740.00	Peak	H	-	-	-69.56	19.83	57.27	68.20	-10.93

Table 7-154. Radiated Measurements Antenna 2b (RU242)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 733 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 61
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11440.00	Average	H	-	-	-81.28	13.81	39.53	53.98	-14.45
*	11440.00	Peak	H	-	-	-69.84	13.81	50.97	73.98	-23.01
	17160.00	Peak	H	-	-	-71.28	19.96	55.68	68.20	-12.52

Table 7-155. Radiated Measurements Antenna 2b (RU242)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 61
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11490.00	Average	H	-	-	-81.50	14.03	39.53	53.98	-14.45
*	11490.00	Peak	H	-	-	-69.47	14.03	51.56	73.98	-22.42
	17235.00	Peak	H	-	-	-71.02	20.11	56.09	68.20	-12.11

Table 7-156. Radiated Measurements Antenna 2b (RU242)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 734 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 61
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11570.00	Average	H	-	-	-81.55	14.21	39.66	53.98	-14.32
*	11570.00	Peak	H	-	-	-70.08	14.21	51.13	73.98	-22.85
	17355.00	Peak	H	-	-	-70.75	19.86	56.11	68.20	-12.09

Table 7-157. Radiated Measurements Antenna 2b (RU242)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 5825MHz
Channel: 165

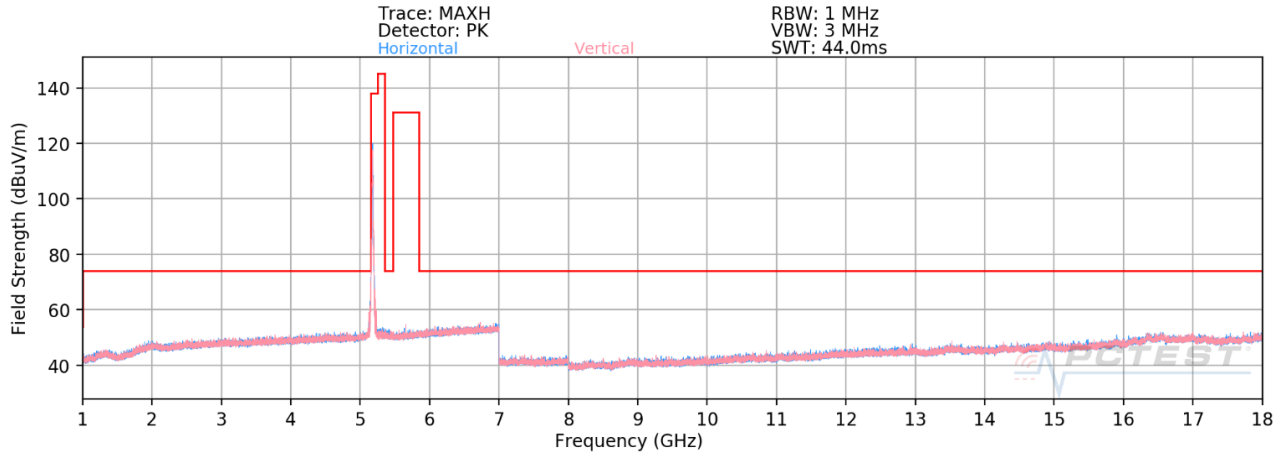
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11650.00	Average	H	-	-	-81.33	14.25	39.92	53.98	-14.06
*	11650.00	Peak	H	-	-	-70.50	14.25	50.75	73.98	-23.23
	17475.00	Peak	H	-	-	-71.76	20.58	55.82	68.20	-12.38

Table 7-158. Radiated Measurements Antenna 2b (RU242)

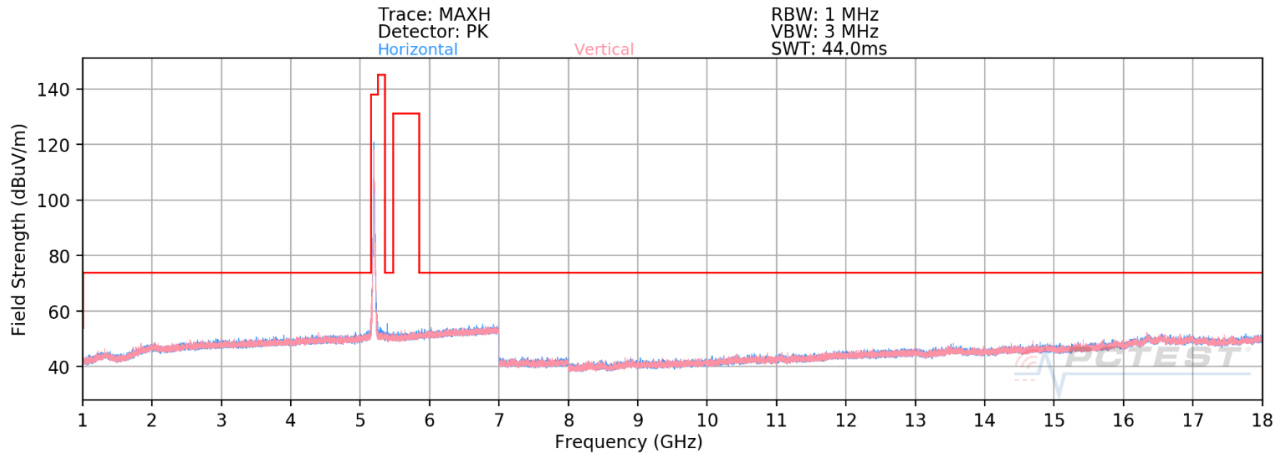
FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 735 of 958

7.6.2 Antenna 2a Radiated Spurious Emission

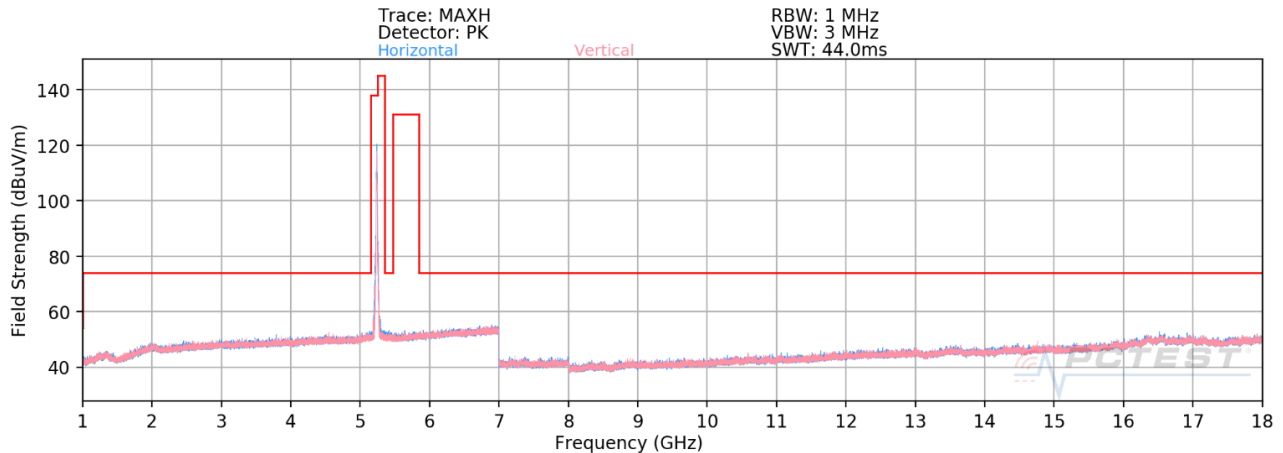
RU26



Plot 7-1247. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 1, Ch. 36 – RU26)

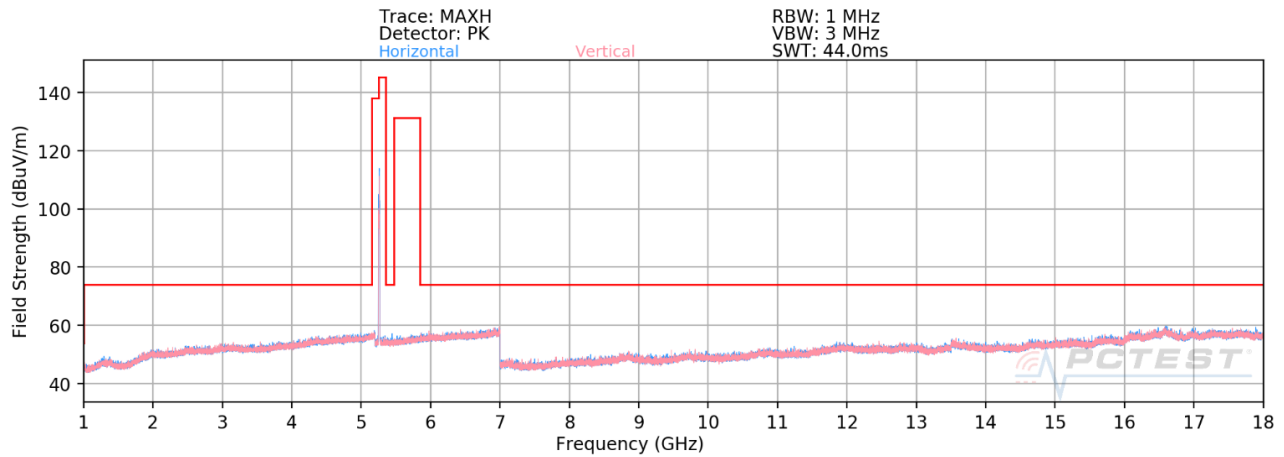


Plot 7-1248. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 1, Ch. 40 – RU26)

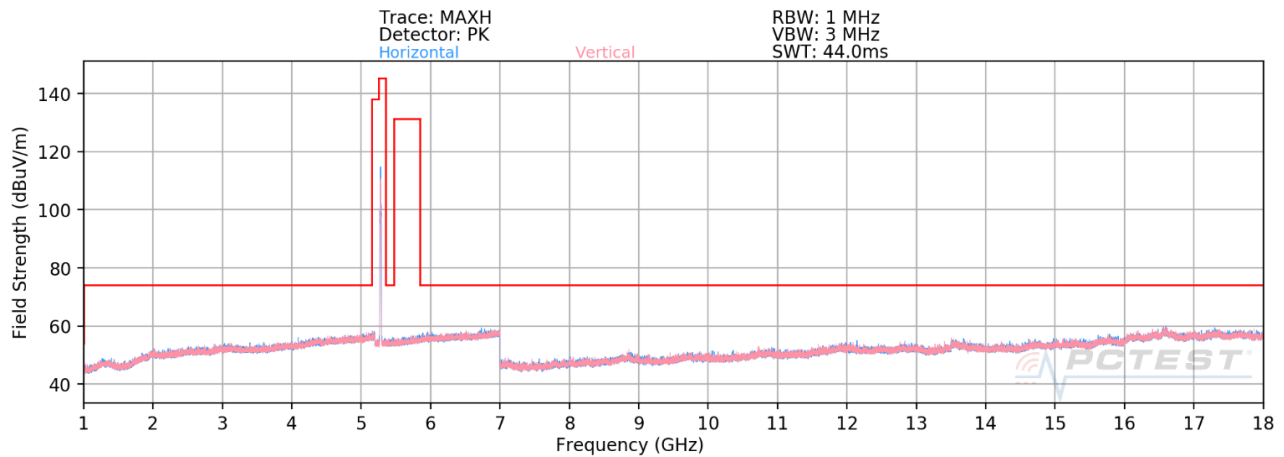


Plot 7-1249. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 1, Ch. 48 – RU26)

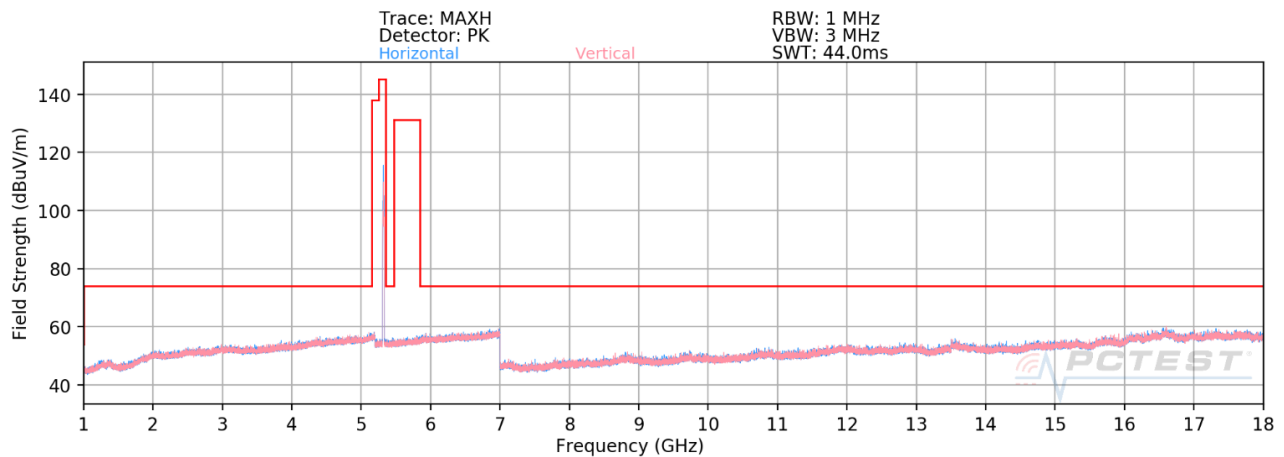
FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 736 of 958



Plot 7-1250. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 2A, Ch. 52 – RU26)

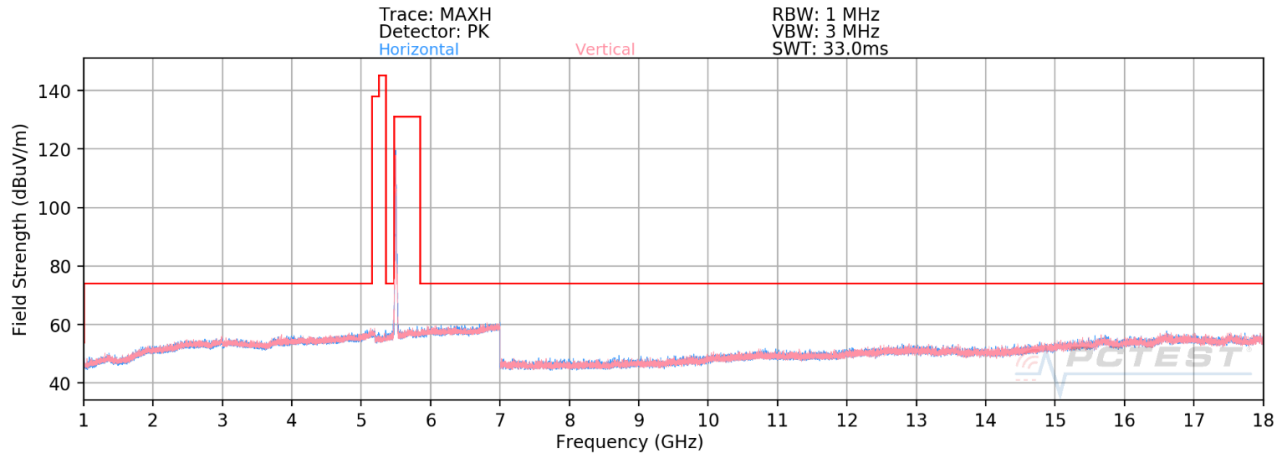


Plot 7-1251. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 2A, Ch. 56 – RU26)

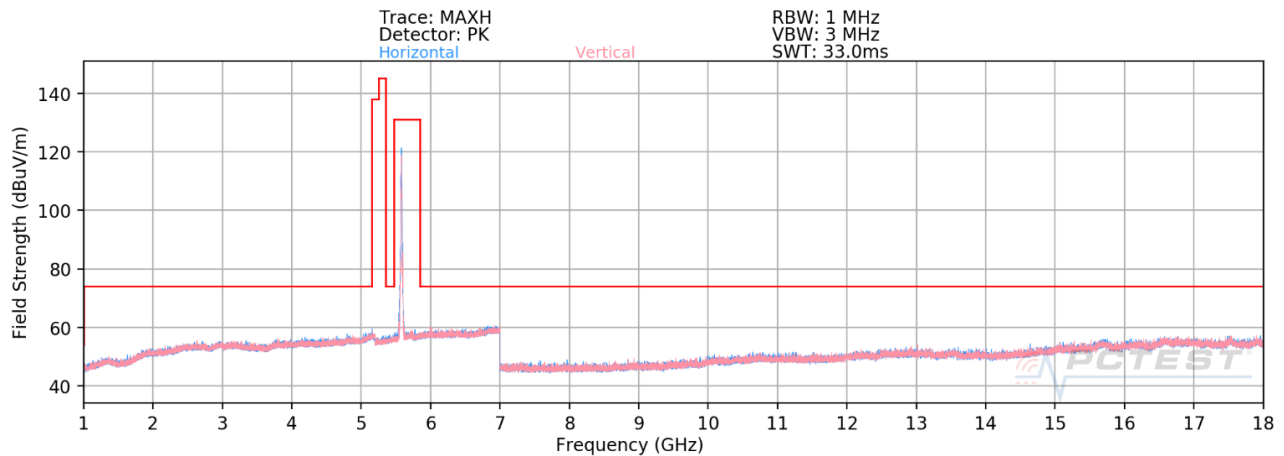


Plot 7-1252. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 2A, Ch. 64 – RU26)

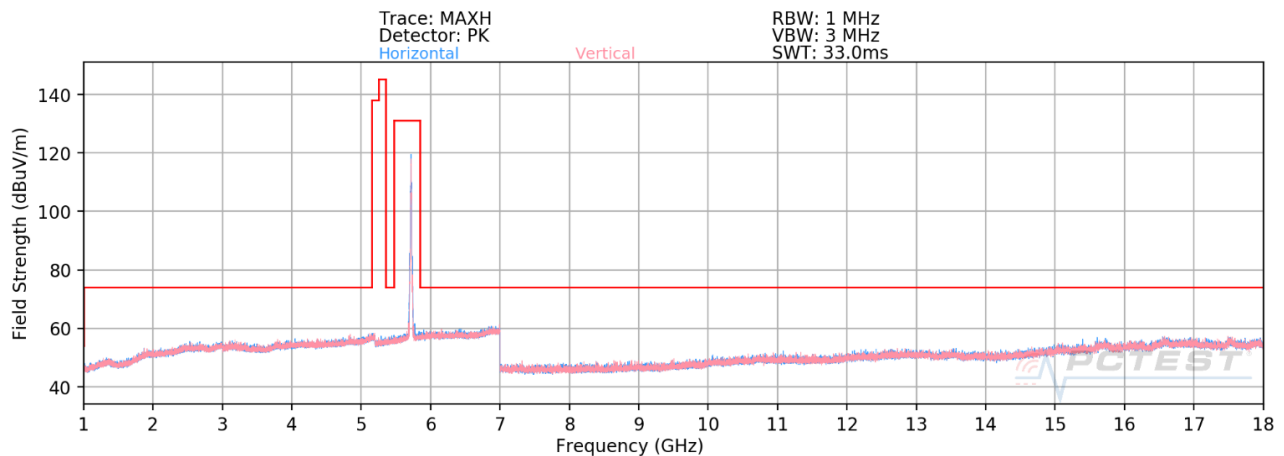
FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 737 of 958



Plot 7-1253. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 2C, Ch. 100 – RU26)

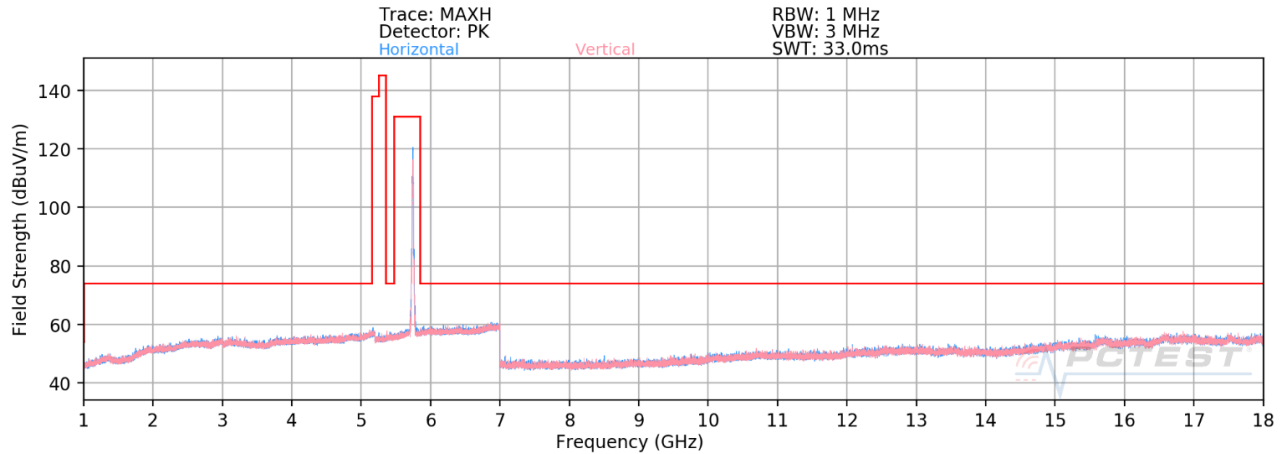


Plot 7-1254. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 2C, Ch. 116 – RU26)

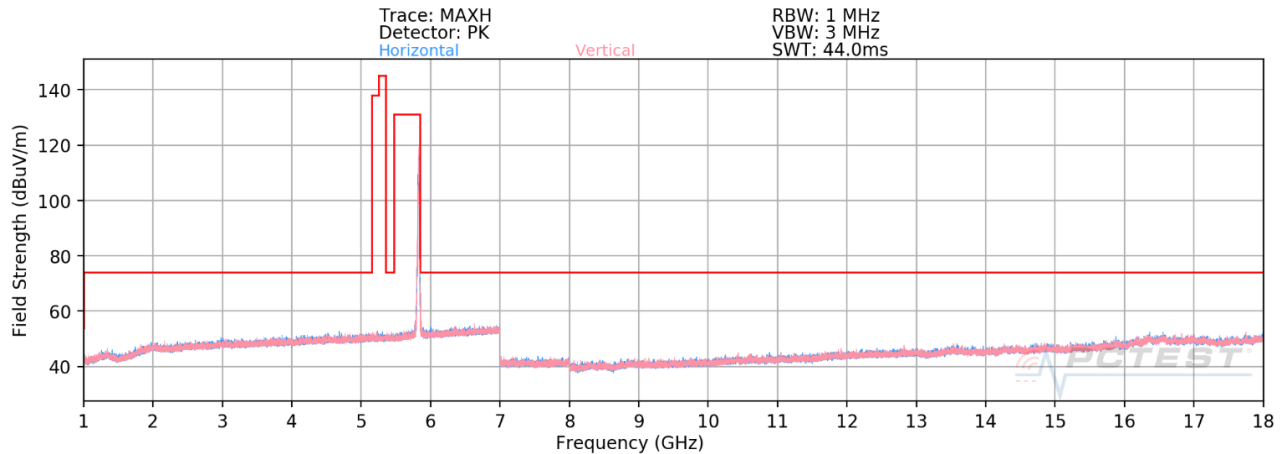


Plot 7-1255. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 2C, Ch. 144 – RU26)

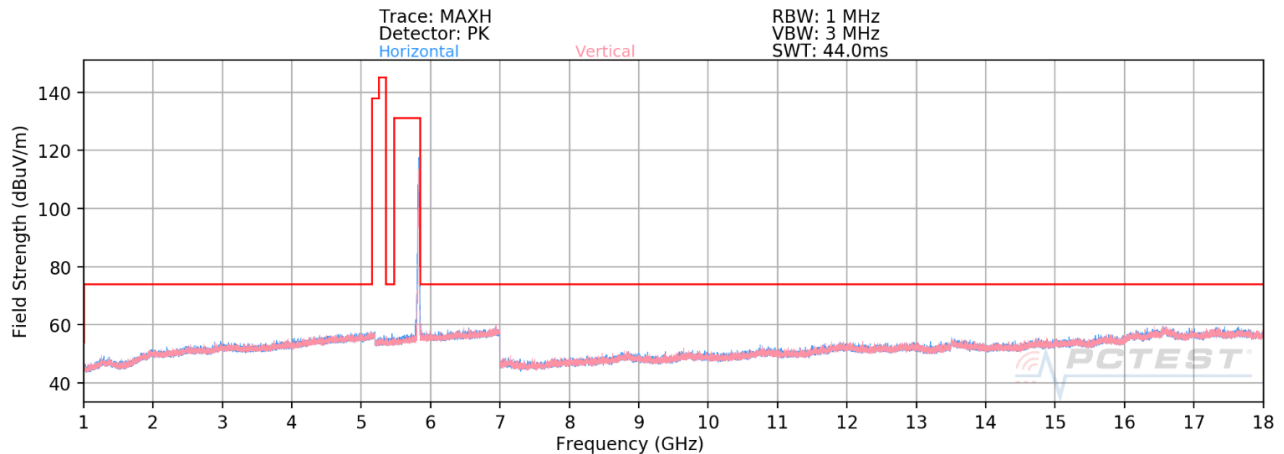
FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 738 of 958



Plot 7-1256. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 3, Ch. 149 – RU26)



Plot 7-1257. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 3, Ch. 157 – RU26)



Plot 7-1258. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 3, Ch. 165 – RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 739 of 958

Antenna 2a Radiated Spurious Emission

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11ax (20MHz BW)
Worst Case Transfer Rate:	MCS11
RU Index:	4
Distance of Measurements:	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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10360.00	Peak	H	-	-	-73.66	14.74	48.08	68.20	-20.12
* 15540.00	Average	H	-	-	-84.73	19.68	41.95	53.98	-12.03
* 15540.00	Peak	H	-	-	-73.48	19.68	53.20	73.98	-20.78

Table 7-159. Radiated Measurements Antenna 2a (RU26)

Worst Case Mode:	802.11ax (20MHz BW)
Worst Case Transfer Rate:	MCS11
RU Index:	4
Distance of Measurements:	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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10400.00	Peak	H	-	-	-74.07	15.29	48.22	68.20	-19.98
* 15600.00	Average	H	-	-	-84.70	19.56	41.86	53.98	-12.11
* 15600.00	Peak	H	-	-	-74.21	19.56	52.35	73.98	-21.62

Table 7-160. Radiated Measurements Antenna 2a (RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 740 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10480.00	Peak	H	-	-	-73.24	14.53	48.29	68.20	-19.91
* 15720.00	Average	H	-	-	-85.06	20.10	42.04	53.98	-11.94
* 15720.00	Peak	H	-	-	-73.98	20.10	53.12	73.98	-20.86

Table 7-161. Radiated Measurements Antenna 2a (RU26)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10520.00	Peak	H	-	-	-78.18	14.33	43.15	68.20	-25.05
* 15780.00	Average	H	-	-	-89.75	19.64	36.89	53.98	-17.09
* 15780.00	Peak	H	-	-	-77.78	19.64	48.86	73.98	-25.12

Table 7-162. Radiated Measurements Antenna 2a (RU26)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device
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Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10560.00	Peak	H	-	-	-75.76	14.85	46.09	68.20	-22.11
* 15840.00	Average	H	-	-	-88.49	19.84	38.35	53.98	-15.63
* 15840.00	Peak	H	-	-	-75.93	19.84	50.91	73.98	-23.07

Table 7-163. Radiated Measurements Antenna 2a (RU26)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 10640.00	Average	H	-	-	-86.83	15.23	35.40	53.98	-18.58
* 10640.00	Peak	H	-	-	-74.21	15.23	48.02	73.98	-25.96
* 15960.00	Average	H	-	-	-86.92	20.34	40.42	53.98	-13.56
* 15960.00	Peak	H	-	-	-75.91	20.34	51.43	73.98	-22.55

Table 7-164. Radiated Measurements Antenna 2a (RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 742 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11000.00	Average	H	-	-	-74.98	15.51	47.53	53.98	-6.45
*	11000.00	Peak	H	-	-	-86.34	15.51	36.17	73.98	-37.81
	16500.00	Peak	H	-	-	-76.20	21.05	51.85	68.20	-16.35

Table 7-165. Radiated Measurements Antenna 2a (RU26)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11160.00	Average	H	-	-	-87.19	14.84	34.65	53.98	-19.33
*	11160.00	Peak	H	-	-	-74.79	14.84	47.05	73.98	-26.93
	16740.00	Peak	H	-	-	-75.42	21.26	52.84	68.20	-15.36

Table 7-166. Radiated Measurements Antenna 2a (RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 743 of 958

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11440.00	Average	H	-	-	-87.25	15.72	35.47	53.98	-18.51
*	11440.00	Peak	H	-	-	-74.78	15.72	47.94	73.98	-26.04
	17160.00	Peak	H	-	-	-75.18	21.03	52.85	68.20	-15.35

Table 7-167. Radiated Measurements Antenna 2a (RU26)

Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11490.00	Average	H	-	-	-87.67	15.69	35.02	53.98	-18.96
*	11490.00	Peak	H	-	-	-75.18	15.69	47.51	73.98	-26.47
	17235.00	Peak	H	-	-	-75.94	20.90	51.96	68.20	-16.24

Table 7-168. Radiated Measurements Antenna 2a (RU26)

FCC ID: BCGA2324	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device
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Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11570.00	Average	H	-	-	-86.72	15.45	35.73	53.98	-18.25
*	11570.00	Peak	H	-	-	-74.48	15.45	47.97	73.98	-26.01
	17355.00	Peak	H	-	-	-76.00	20.67	51.67	68.20	-16.53

Table 7-169. Radiated Measurements Antenna 2a (RU26)

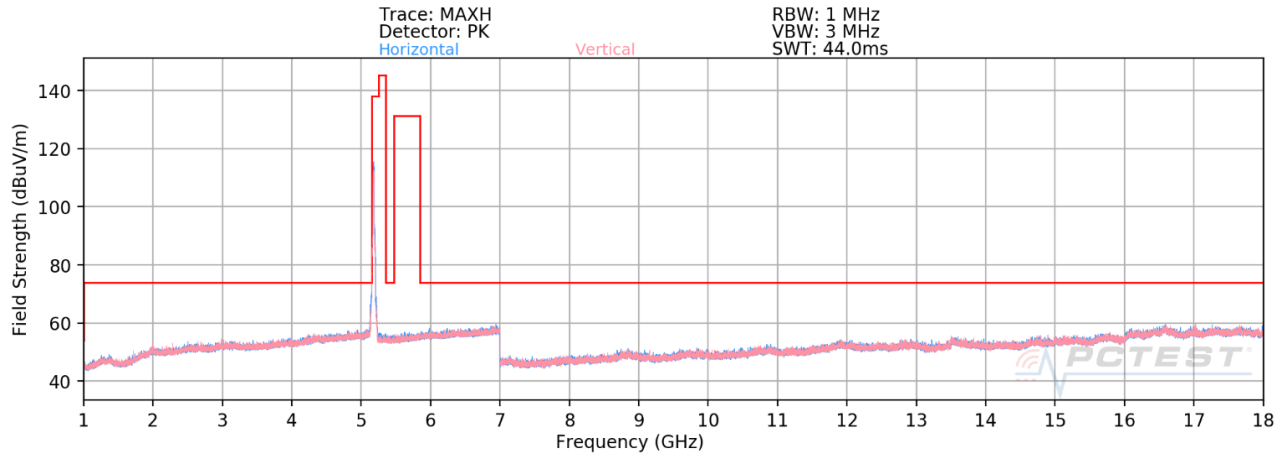
Worst Case Mode: 802.11ax (20MHz BW)
Worst Case Transfer Rate: MCS11
RU Index: 4
Distance of Measurements: 3 Meters
Operating Frequency: 5825MHz
Channel: 165

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11650.00	Average	H	-	-	-85.97	15.93	36.96	53.98	-17.02
*	11650.00	Peak	H	-	-	-74.99	15.93	47.94	73.98	-26.04
	17475.00	Peak	H	-	-	-74.93	20.70	52.77	68.20	-15.43

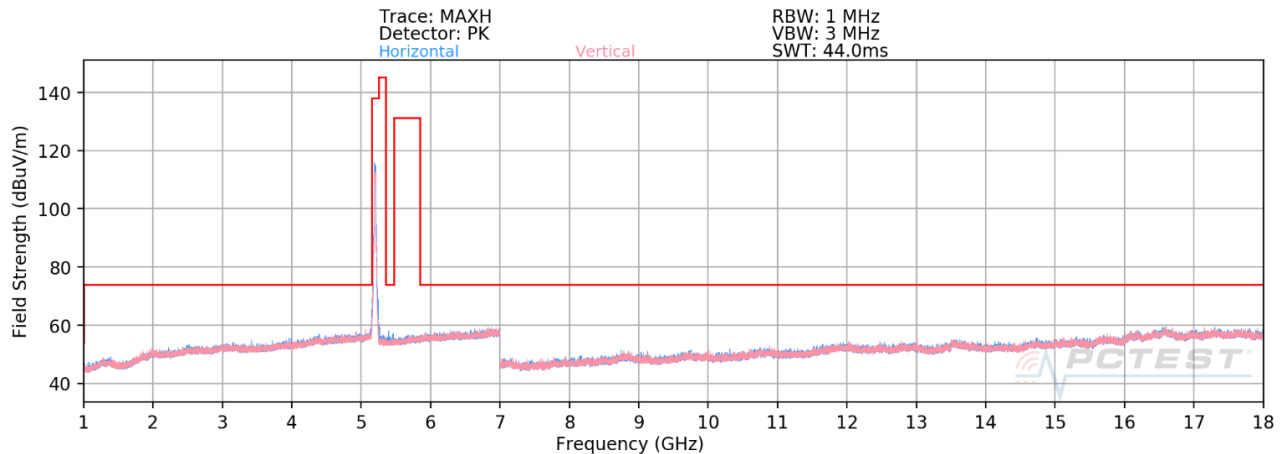
Table 7-170. Radiated Measurements Antenna 2a (RU26)

FCC ID: BCGA2324	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 745 of 958

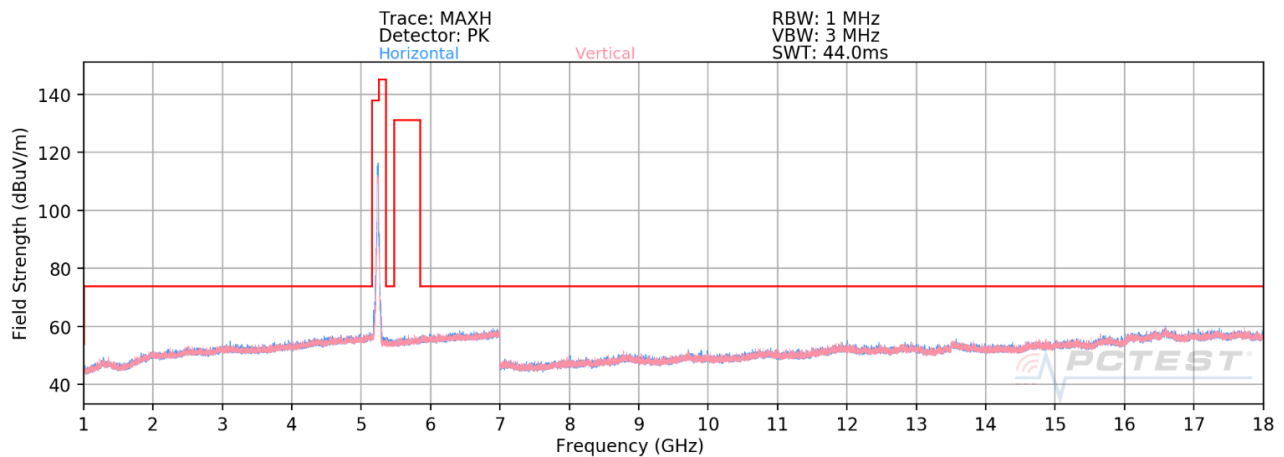
RU242



Plot 7-1259. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 1, Ch. 36 – RU242)



Plot 7-1260. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 1, Ch. 40 – RU242)



Plot 7-1261. Radiated Spurious Emissions above 1GHz Antenna 2a (802.11ax – UNII Band 1, Ch. 48 – RU242)

FCC ID: BCGA2324	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2004270029-13-R1.BCG	Test Dates: 07/16/2020 - 09/09/2020	EUT Type: Tablet Device	Page 746 of 958