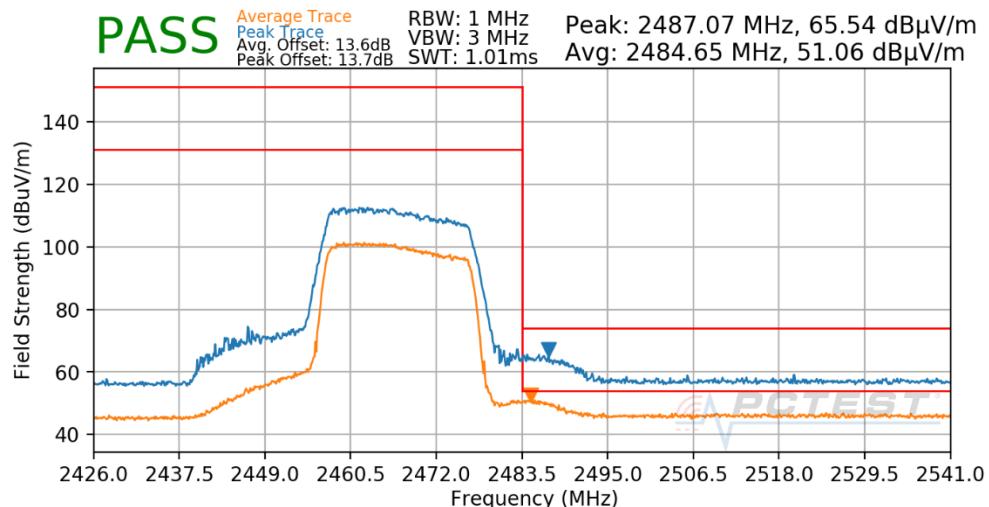


Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-163. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

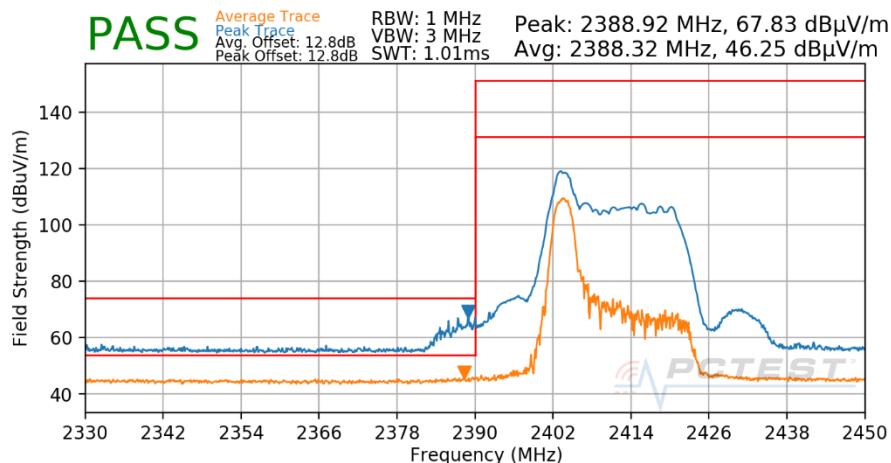
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 124 of 152	

7.7.5 Antenna 1a Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

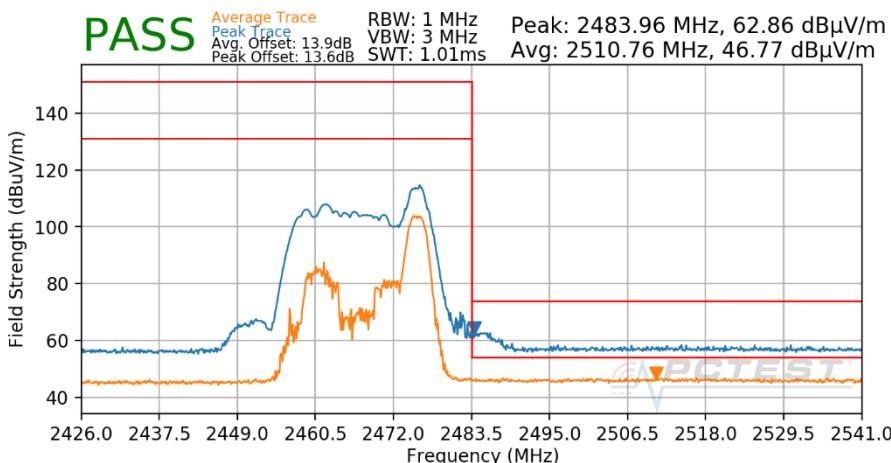
The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1

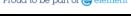


Plot 7-164. Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU26)

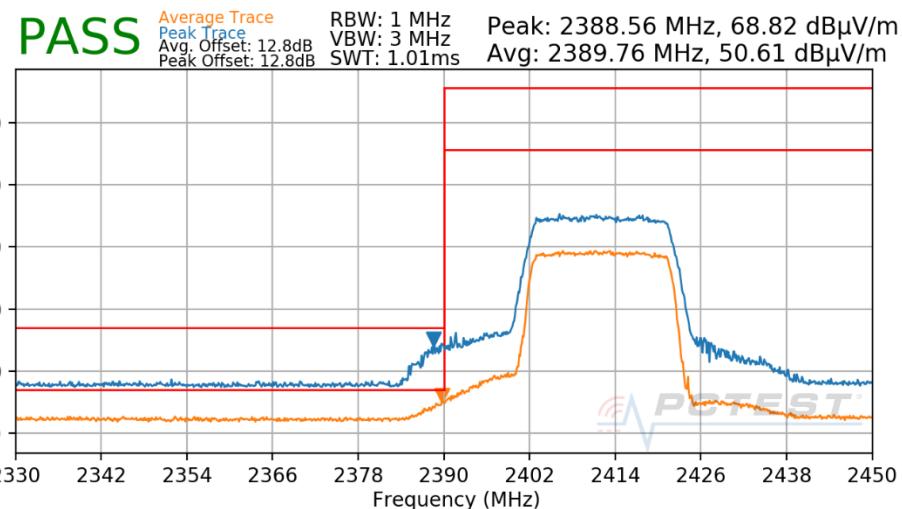
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 12



Plot 7-165. Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU26)

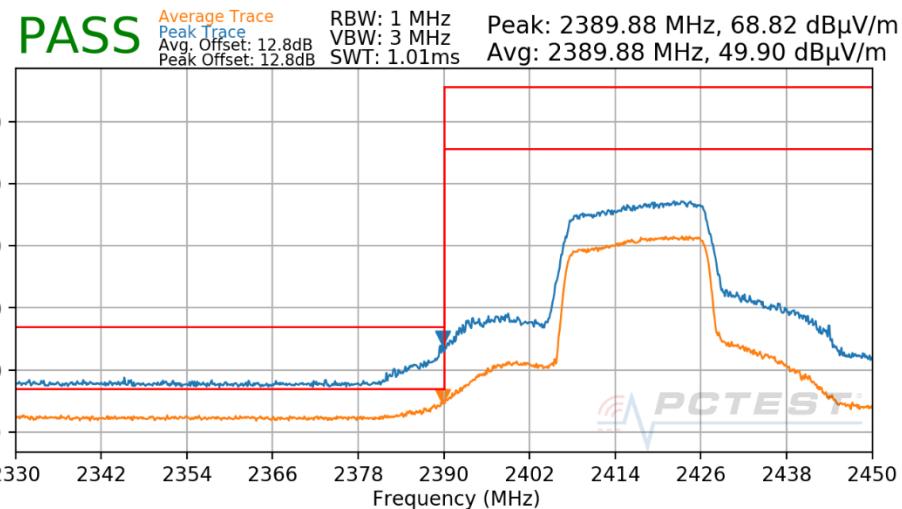
FCC ID: BCGA2568	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 125 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-166. Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

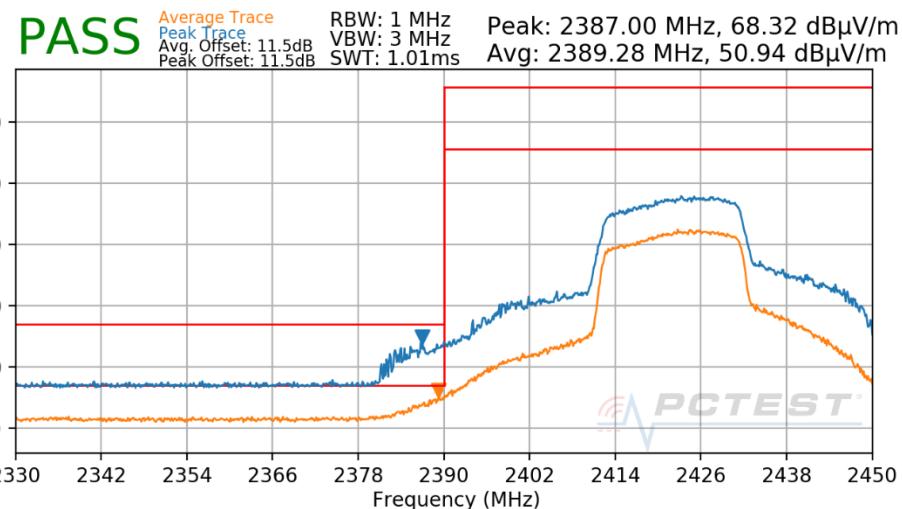
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2417MHz
 Channel: 2



Plot 7-167. Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

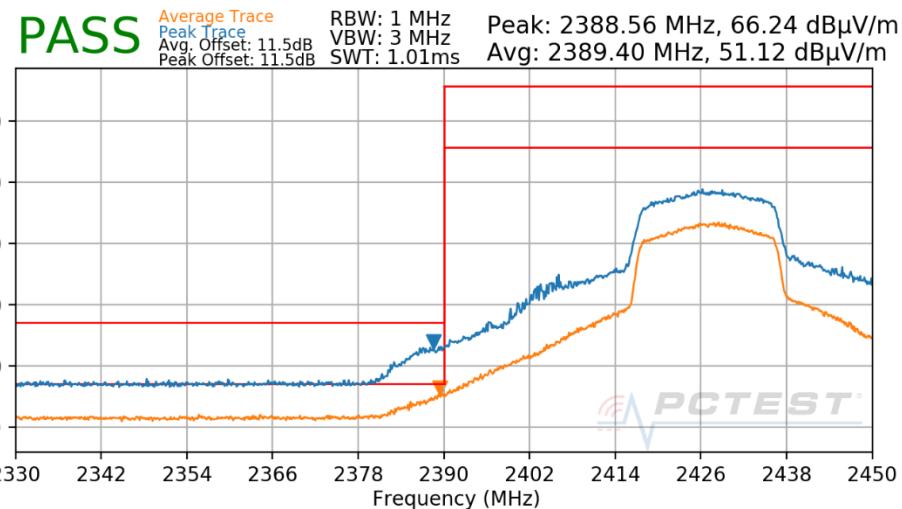
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST® Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device		Page 126 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2422MHz
 Channel: 3



Plot 7-168. Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

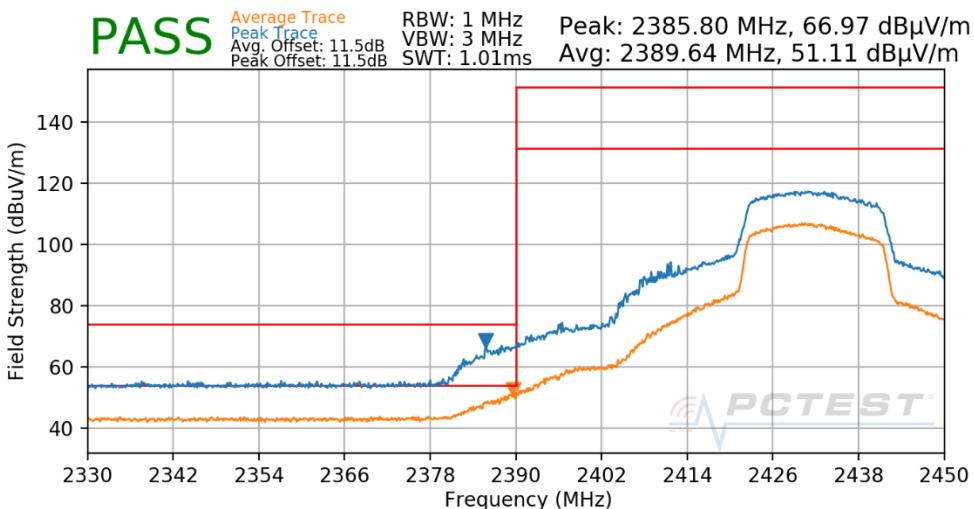
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2427MHz
 Channel: 4



Plot 7-169. Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

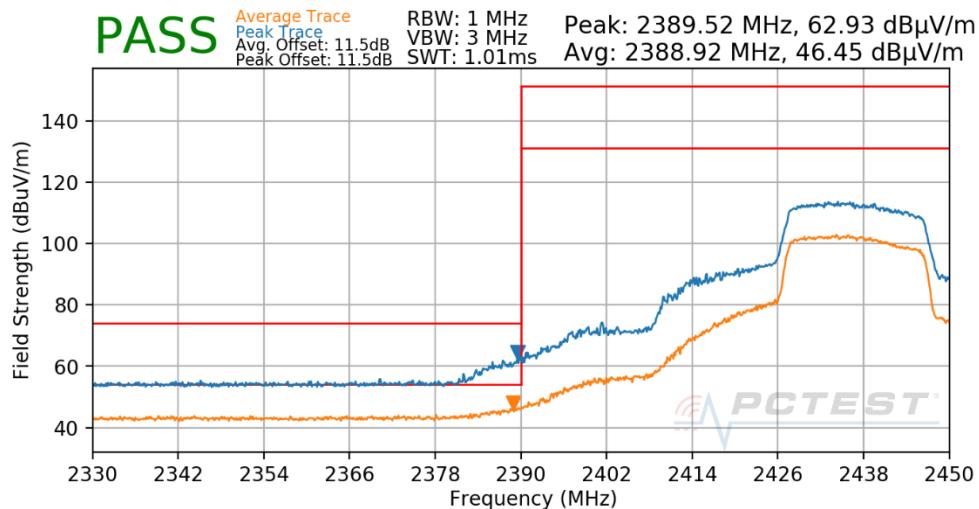
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST® Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 127 of 152	

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2432MHz
 Channel: 5



Plot 7-170. Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

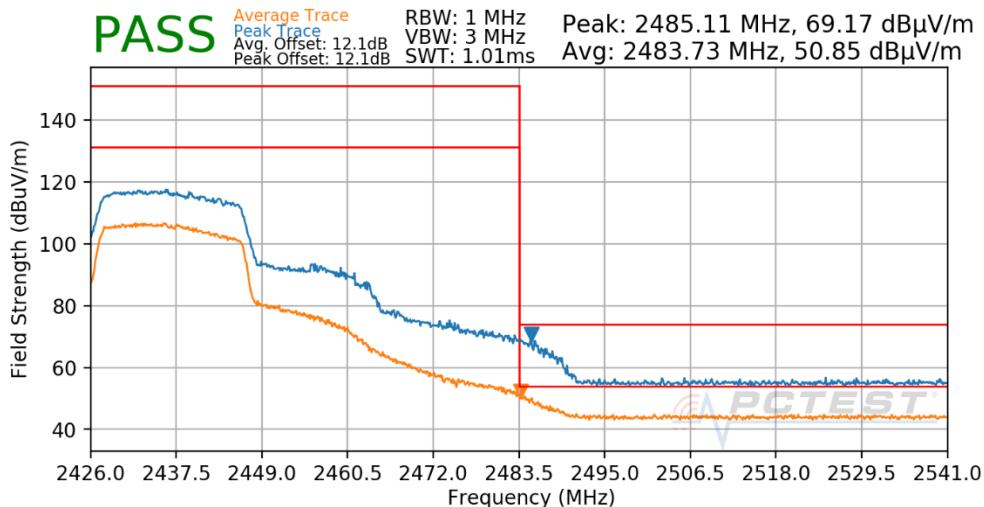
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6



Plot 7-171. Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

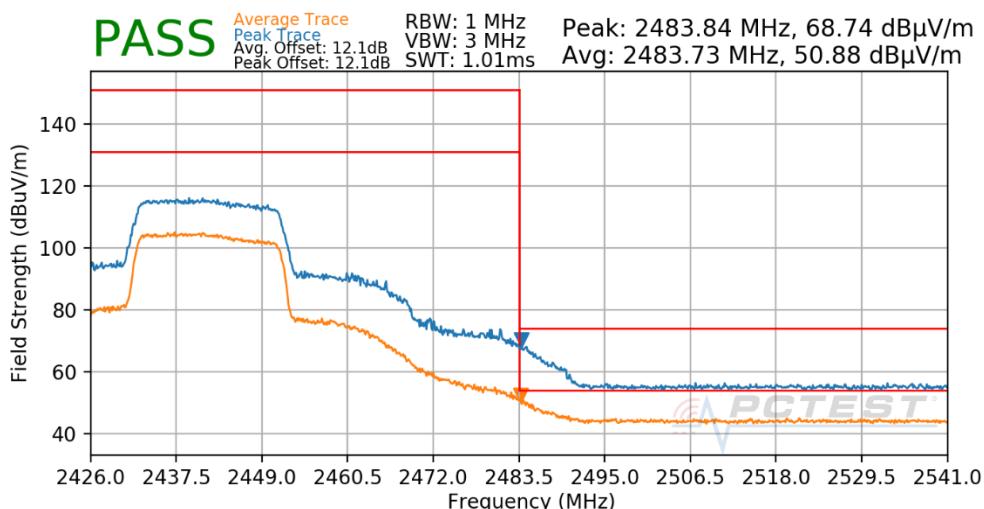
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST® Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device		Page 128 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6



Plot 7-172. Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

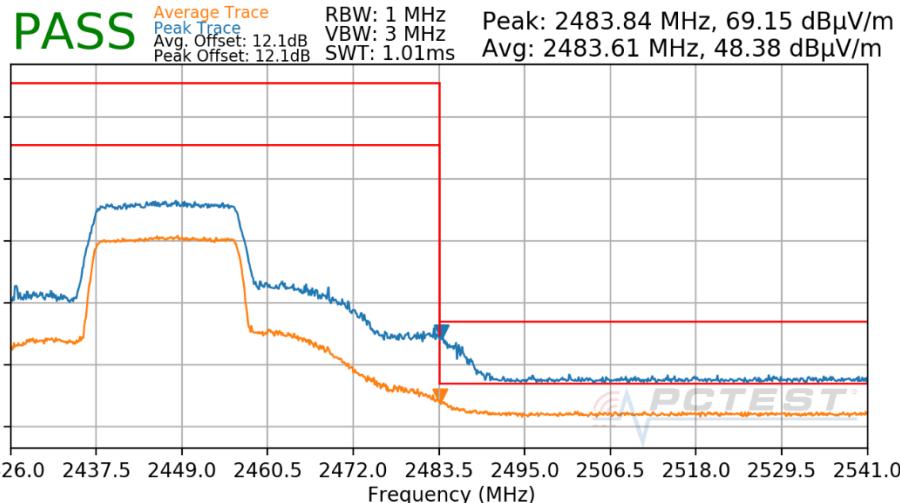
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2442MHz
 Channel: 7



Plot 7-173. Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

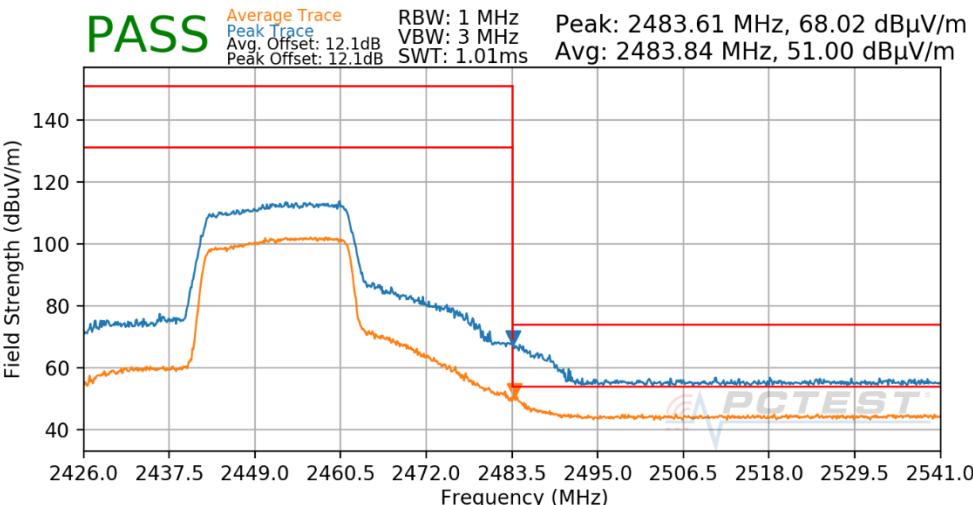
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 129 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2447MHz
 Channel: 8



Plot 7-174. Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2452MHz
 Channel: 9

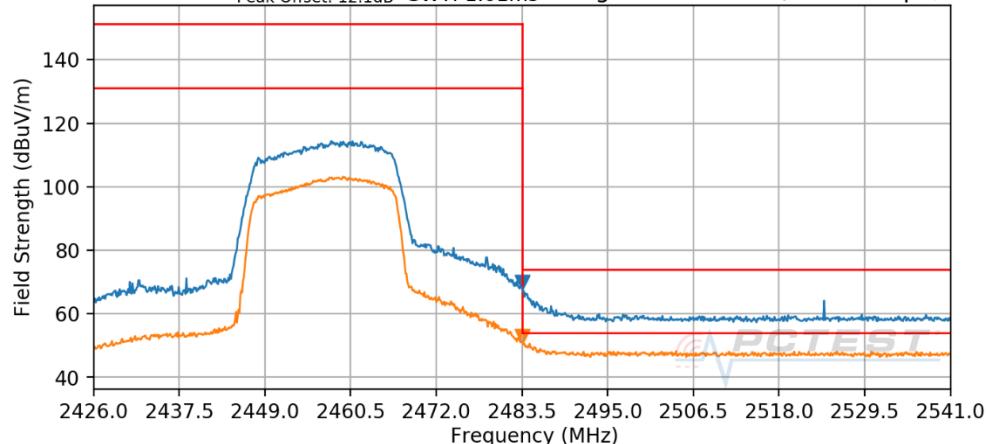


Plot 7-175. Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 130 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2457MHz
 Channel: 10

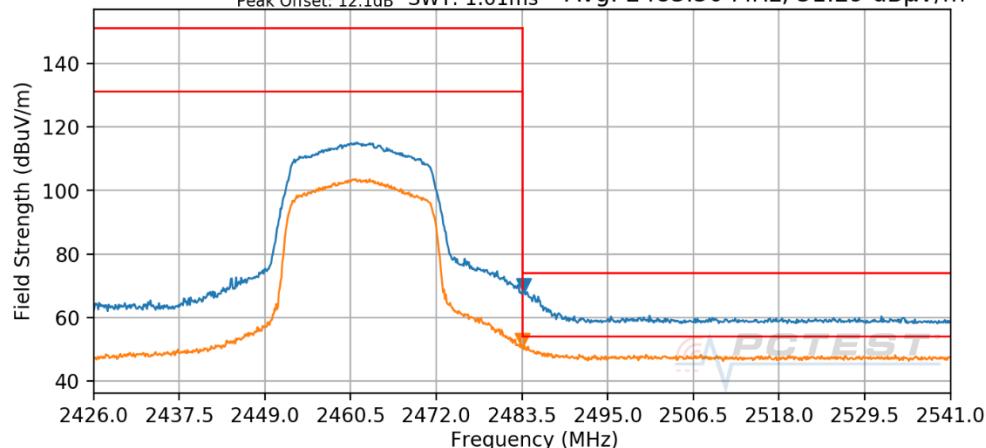
PASS Average Trace RBW: 1 MHz Peak: 2483.50 MHz, 68.49 dB μ V/m
 Peak Trace Avg. Offset: 12.1dB VBW: 3 MHz Avg: 2483.50 MHz, 51.29 dB μ V/m
 Peak Offset: 12.1dB SWT: 1.01ms



Plot 7-176. Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11

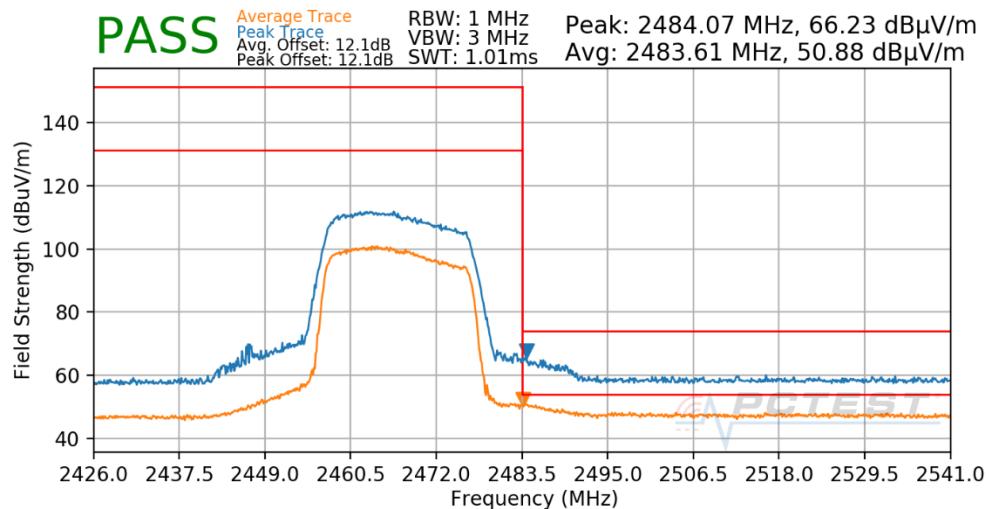
PASS Average Trace RBW: 1 MHz Peak: 2483.73 MHz, 68.58 dB μ V/m
 Peak Trace Avg. Offset: 12.1dB VBW: 3 MHz Avg: 2483.50 MHz, 51.29 dB μ V/m
 Peak Offset: 12.1dB SWT: 1.01ms



Plot 7-177. Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device		Page 131 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-178. Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

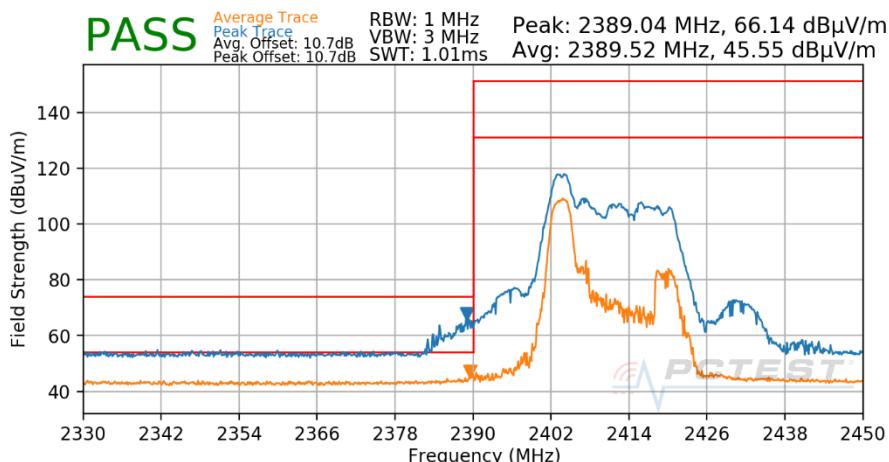
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 132 of 152	

7.7.6 CDD Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

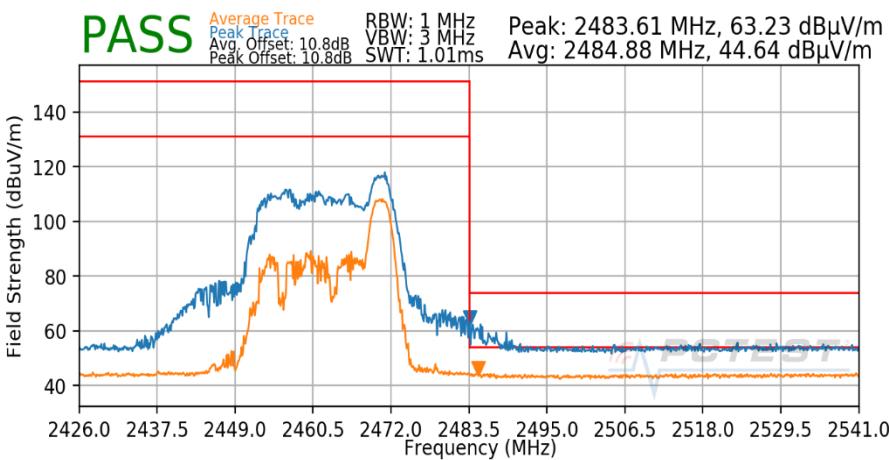
The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-179. Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU26)

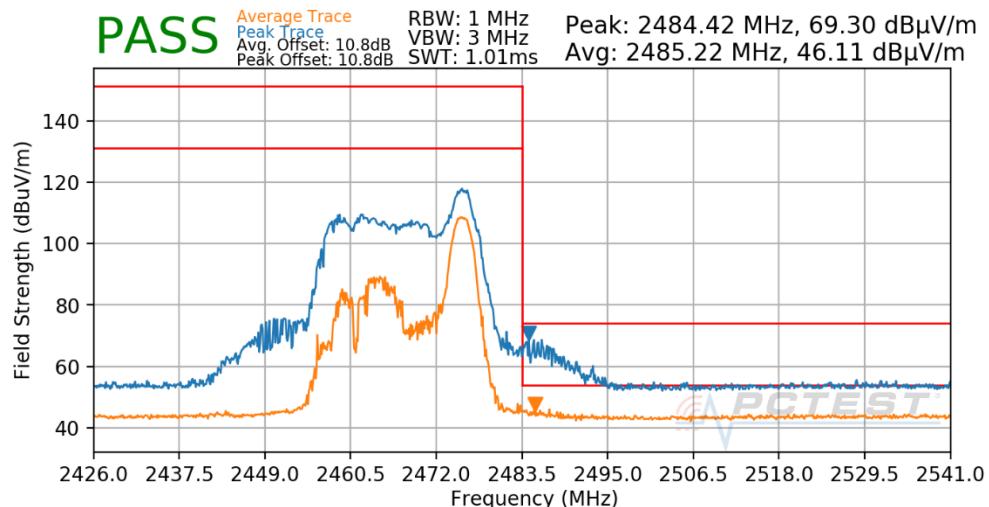
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-180. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU26)

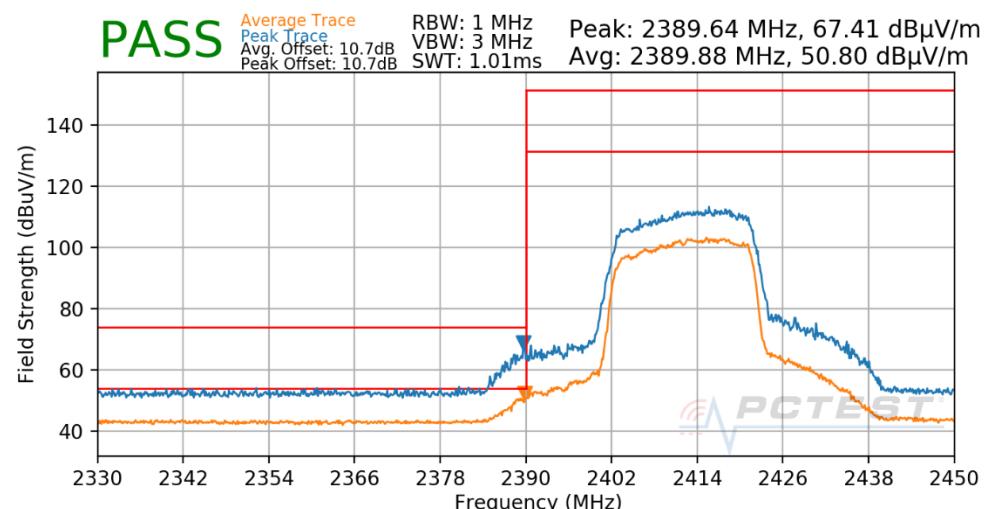
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 133 of 152	

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-181. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU26)

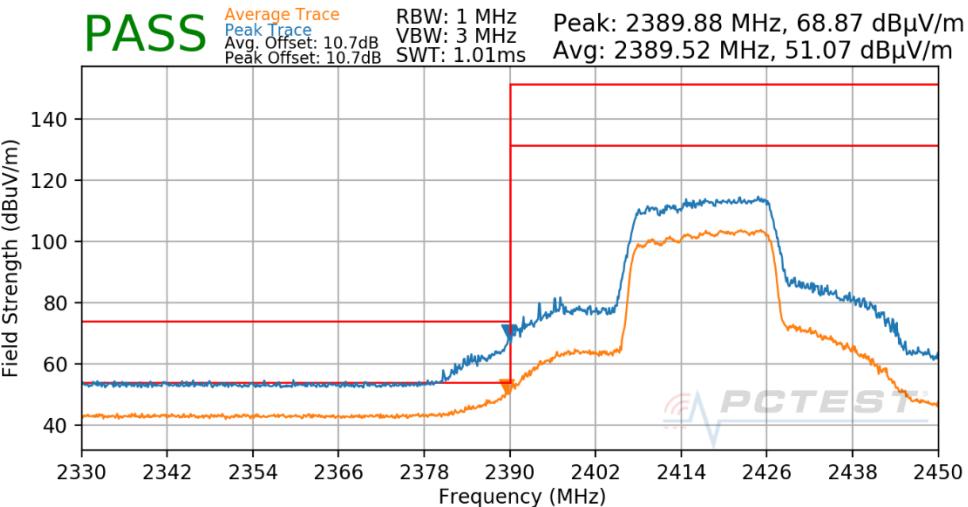
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-182. Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

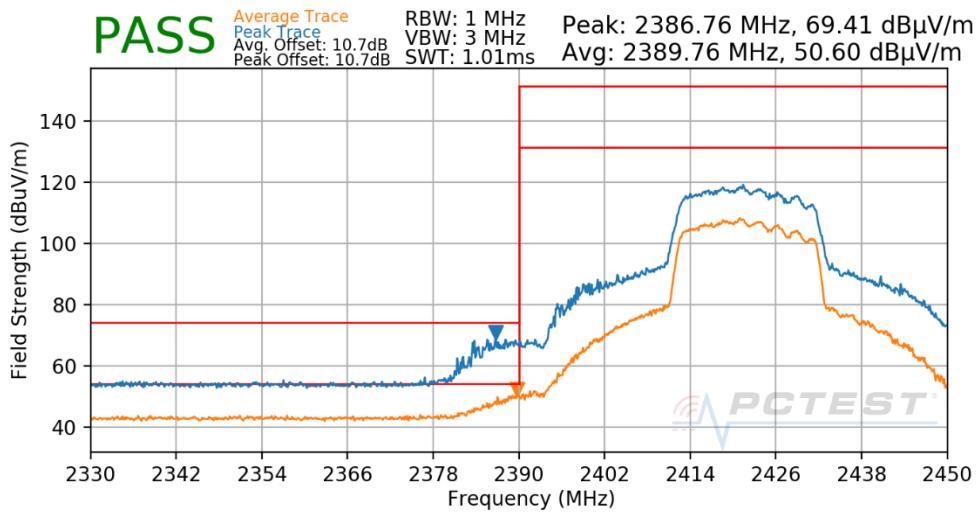
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 134 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2417MHz
 Channel: 2



Plot 7-183. Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

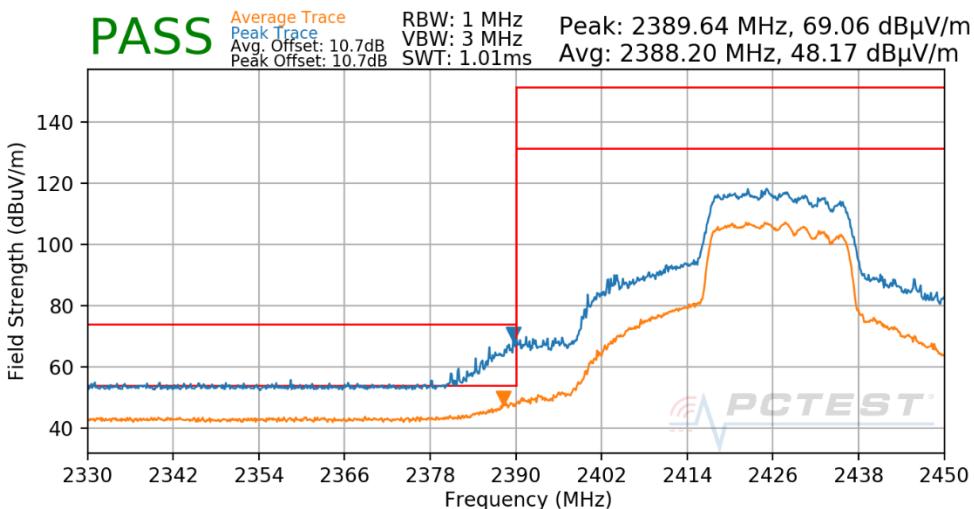
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2422MHz
 Channel: 3



Plot 7-184. Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

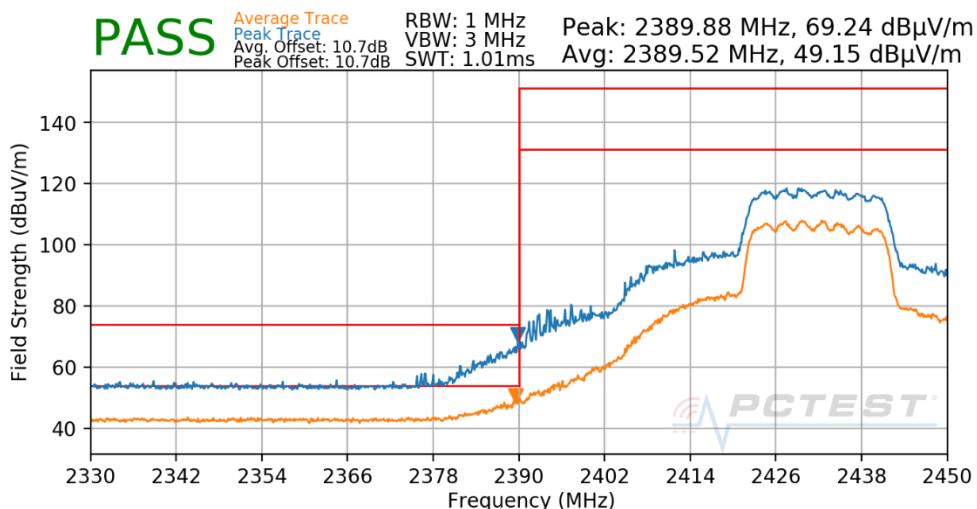
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 135 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2427MHz
 Channel: 4



Plot 7-185. Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

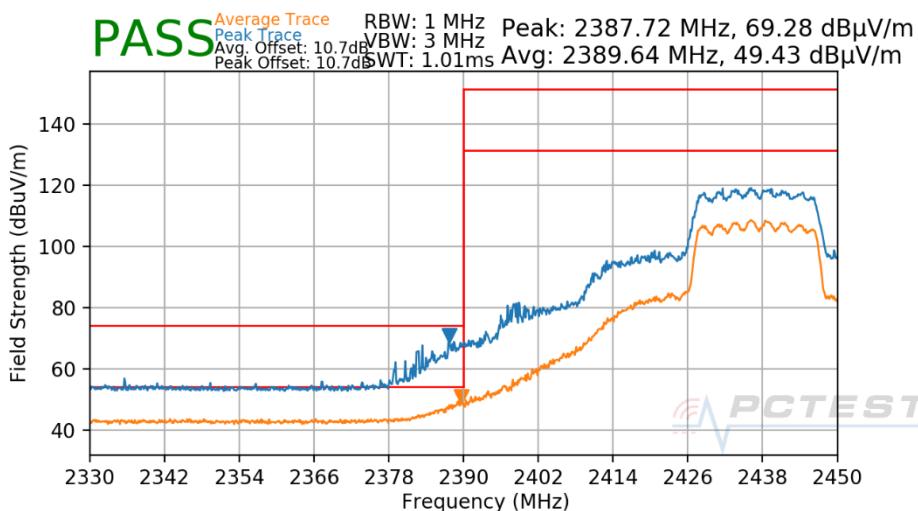
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2432MHz
 Channel: 5



Plot 7-186. Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

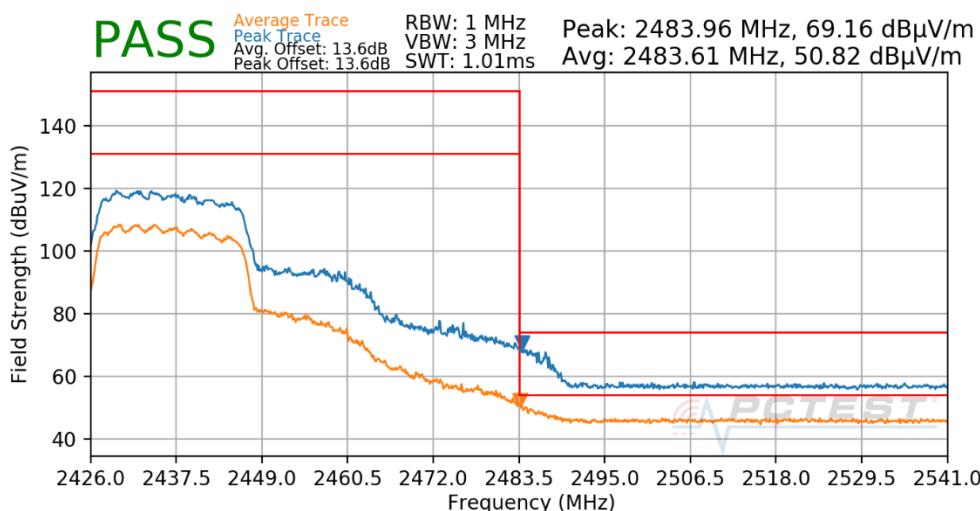
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST® Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device		Page 136 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6



Plot 7-187. Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

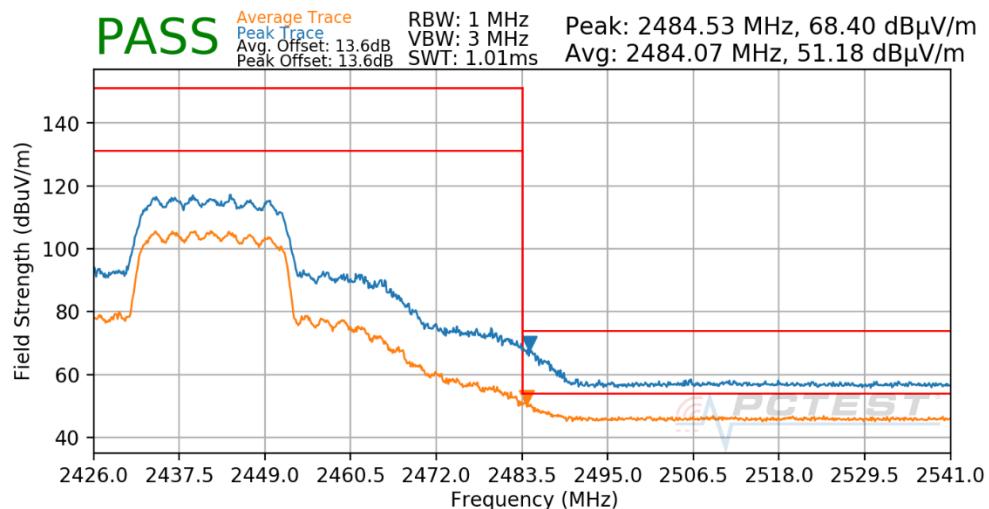
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6



Plot 7-188. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

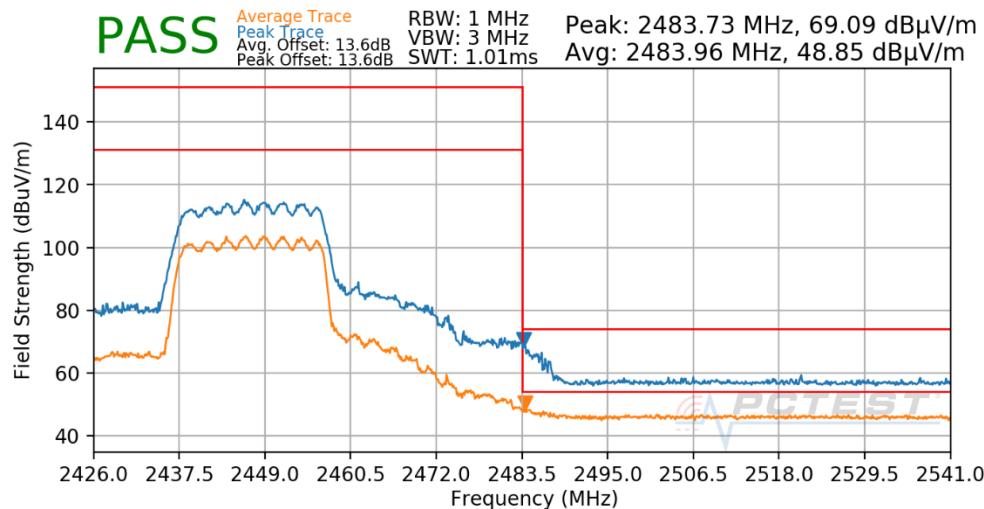
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 137 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2442MHz
 Channel: 7



Plot 7-189. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

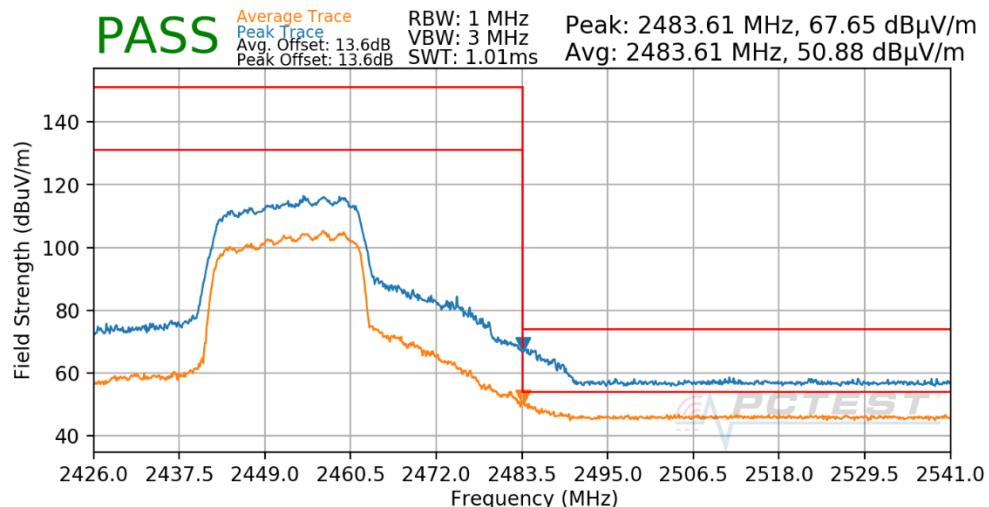
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2447MHz
 Channel: 8



Plot 7-190. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

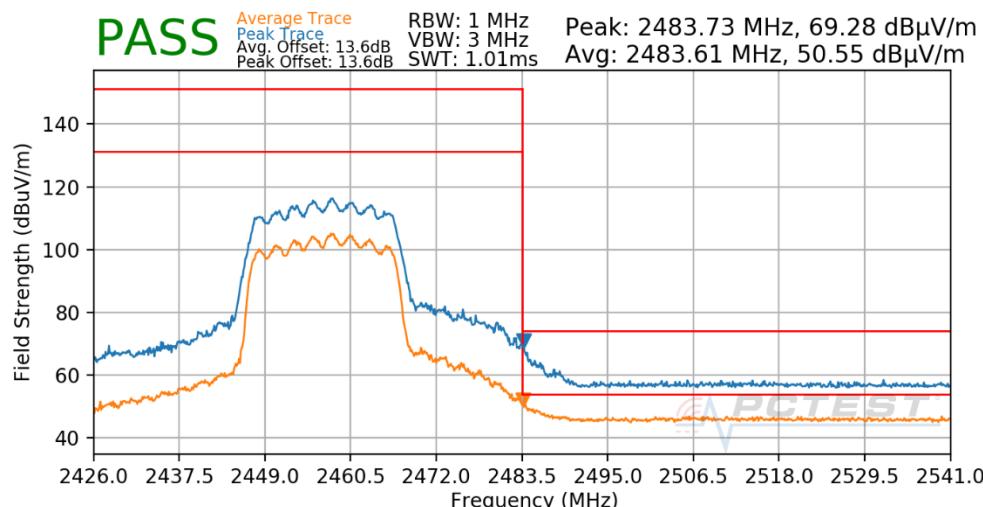
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 138 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2452MHz
 Channel: 9



Plot 7-191. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

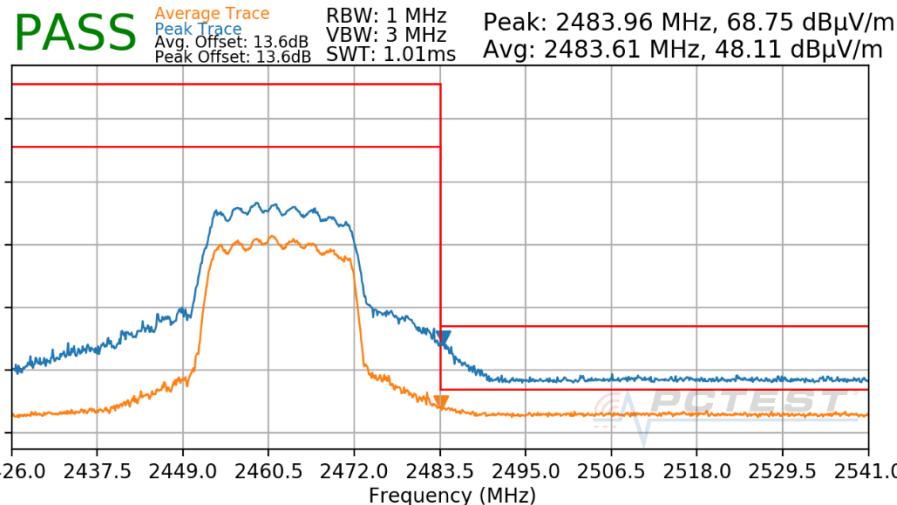
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2457MHz
 Channel: 10



Plot 7-192. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

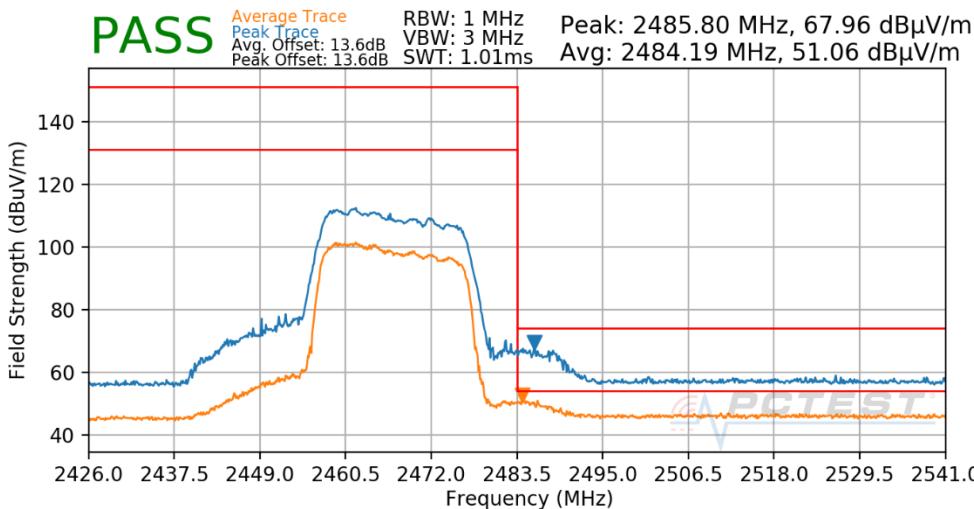
FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080049-09.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 139 of 152

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-193. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-194. Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.8 Radiated Spurious Emissions – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

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

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-38 per Section 15.209 and RSS-Gen (8.9).

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

Table 7-38. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

Test Settings

Quasi-Peak Field Strength Measurements

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

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold

FCC ID: BCGA2568 IC: 579C-A2568	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Test Setup

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

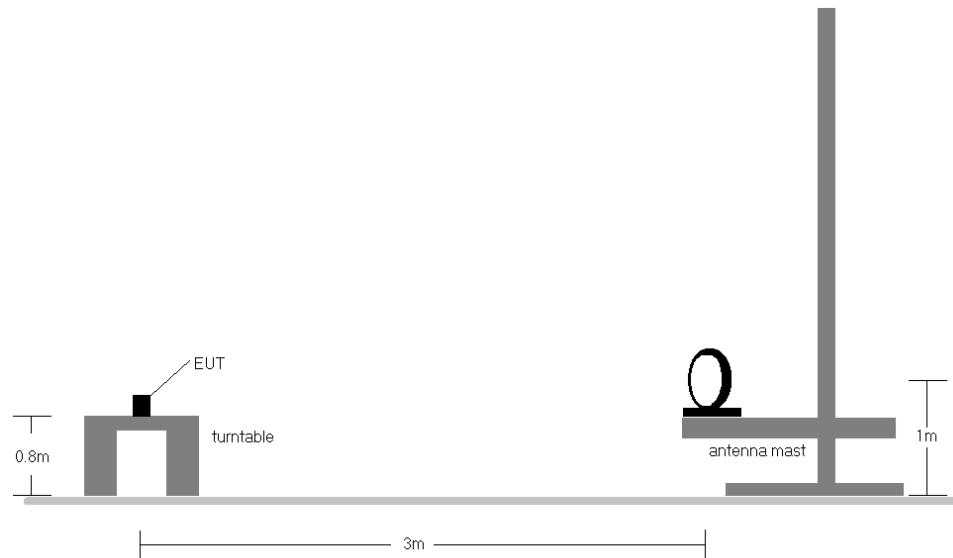


Figure 7-7. Radiated Test Setup < 30Mhz

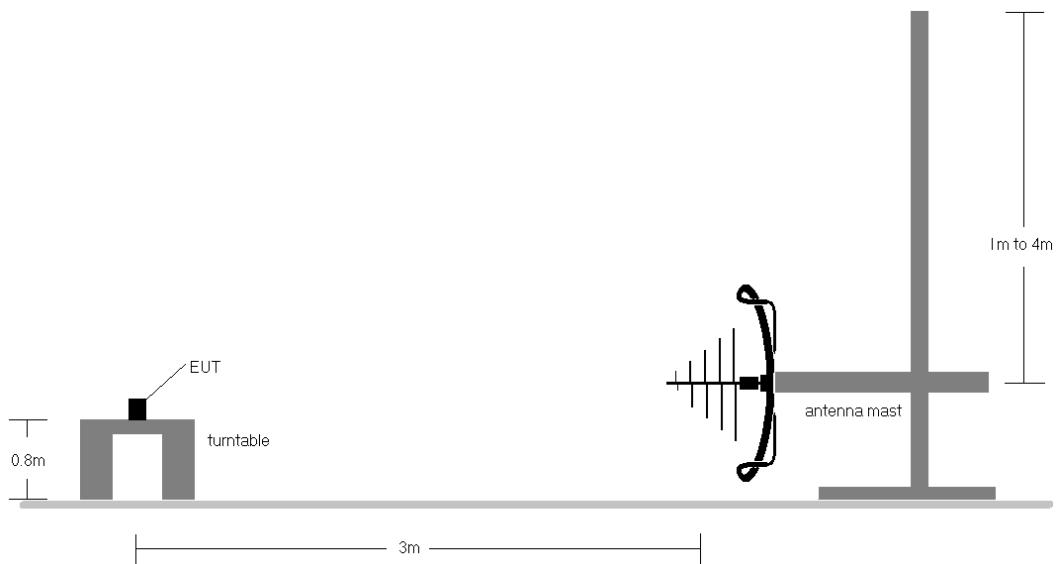


Figure 7-8. Radiated Test Setup < 1GHz

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Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen(8.10) are below the limit shown in Table 7-38.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector for emissions within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger
8. No spurious emissions were detected within 20dB of the limit below 30MHz.
9. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
10. All antenna configurations and data rates were investigated and only the worst case are reported.
11. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

Sample Calculations

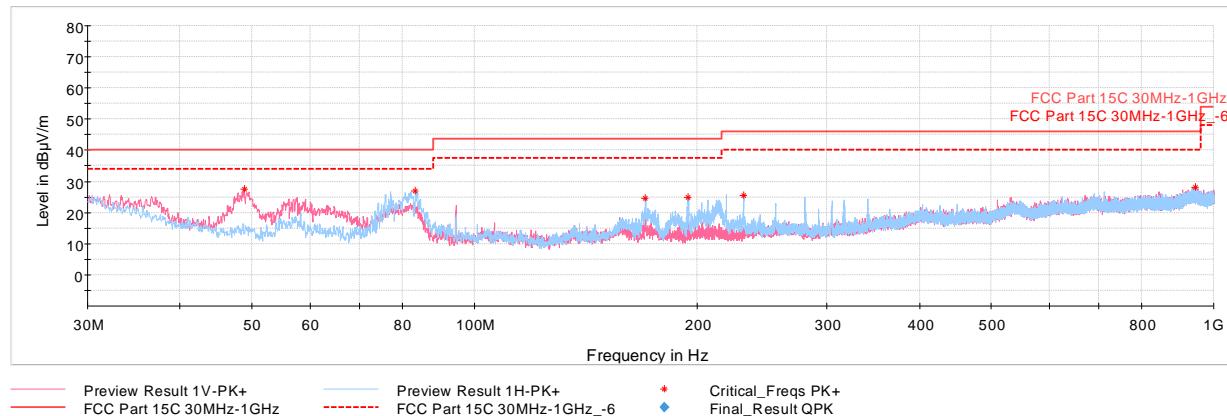
Determining Spurious Emissions Levels

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

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CDD Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

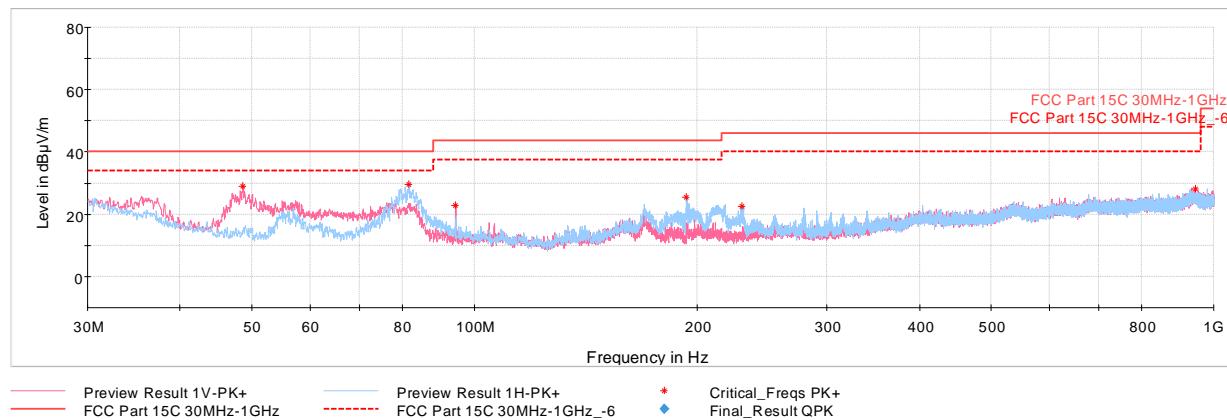


Plot 7-195. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC Adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
48.87	Max Peak	V	100	38	-58.81	-20.75	27.44	40.00	-12.56
83.25	Max Peak	H	250	291	-59.43	-20.73	26.84	40.00	-13.16
170.41	Max Peak	H	100	46	-65.49	-17.03	24.48	43.52	-19.04
194.85	Max Peak	H	100	191	-65.14	-17.07	24.79	43.52	-18.73
231.42	Max Peak	H	100	229	-66.38	-15.25	25.37	46.02	-20.65
944.47	Max Peak	H	100	320	-79.73	0.73	28.00	46.02	-18.02

Table 7-39. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC Adapter

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Plot 7-196. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU242), with AC/DC Adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
48.67	Max Peak	V	100	15	-57.22	-20.74	29.04	40.00	-10.96
81.56	Max Peak	H	250	115	-56.50	-20.97	29.53	40.00	-10.47
94.41	Max Peak	V	100	44	-63.71	-20.44	22.85	43.52	-20.67
193.74	Max Peak	H	100	182	-64.29	-17.35	25.36	43.52	-18.16
230.40	Max Peak	H	100	167	-69.26	-15.23	22.51	46.02	-23.51
944.23	Max Peak	V	250	14	-79.73	0.76	28.03	46.02	-17.99

Table 7-40. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU242), with AC/DC Adapter

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7.9 AC Line-Conducted Emissions Measurement

§15.207; RSS-Gen [8.8]

Test Overview and Limit

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

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

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

Table 7-41. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Section 6.2

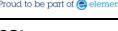
Test Settings

Quasi-Peak Measurements

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

Average Measurements

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

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Test Setup

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

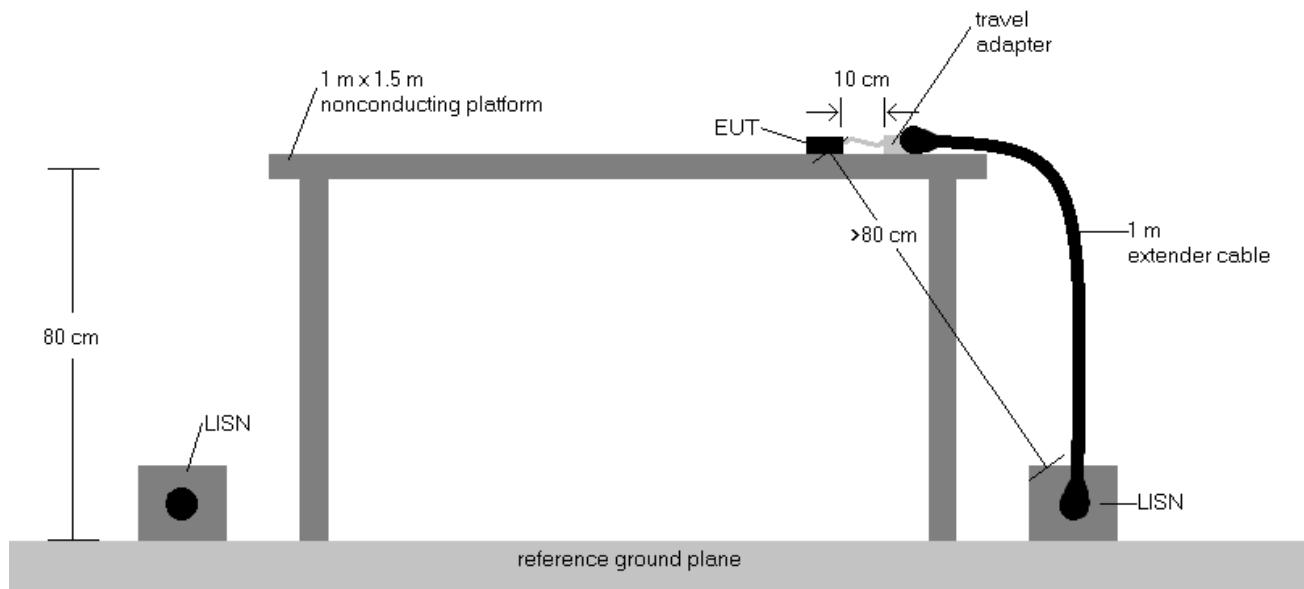
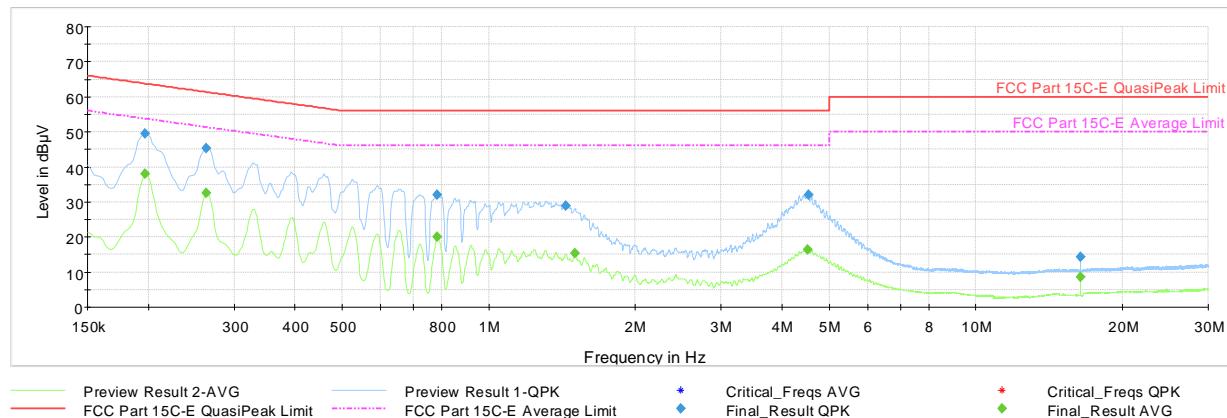


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(8.8).
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dB μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Correction Factore (dB)
6. Margin (dB) = QP/AV Level (dB μ V) - QP/AV Limit (dB μ V)
7. Traces shown in plot are made using quasi peak and average detectors.
8. Deviations to the Specifications: None.
9. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's are reported.

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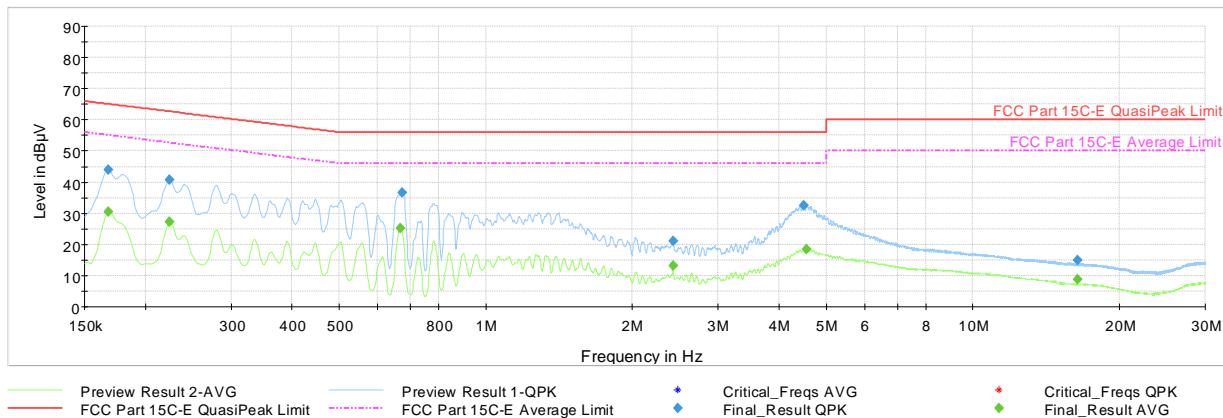


Plot 7-197. AC Line Conducted Emissions with 802.11ax CDD (RU26) Ch.6 (L1, with Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.197	FINAL	49.62	—	63.73	-14.11	L1	GND
0.197	FINAL	—	38.09	53.73	-15.63	L1	GND
0.263	FINAL	45.42	—	61.35	-15.93	L1	GND
0.263	FINAL	—	32.68	51.35	-18.67	L1	GND
0.785	FINAL	31.98	—	56.00	-24.02	L1	GND
0.785	FINAL	—	20.05	46.00	-25.95	L1	GND
1.442	FINAL	29.05	—	56.00	-26.95	L1	GND
1.502	FINAL	—	15.33	46.00	-30.67	L1	GND
4.520	FINAL	—	16.30	46.00	-29.70	L1	GND
4.524	FINAL	32.06	—	56.00	-23.94	L1	GND
16.384	FINAL	14.33	—	60.00	-45.67	L1	GND
16.384	FINAL	—	8.50	50.00	-41.50	L1	GND

Table 7-42. AC Line Conducted Data with 802.11ax CDD (RU26) Ch.6 (L1, with Adapter)

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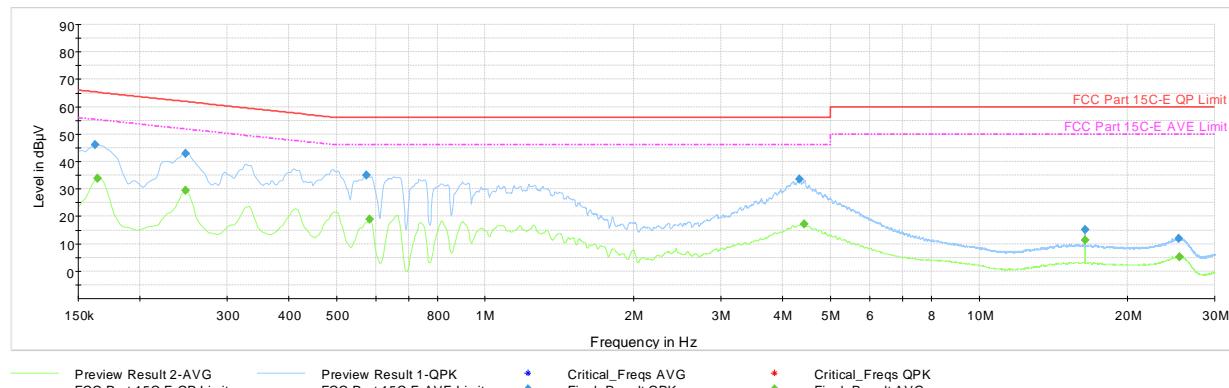


Plot 7-198. AC Line Conducted Emissions with 802.11ax CDD (RU26) Ch.6 (N, with Adapter)

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.168	FINAL	44.01	—	65.06	-21.05	N	GND
0.168	FINAL	—	30.60	55.06	-24.46	N	GND
0.224	FINAL	40.82	—	62.66	-21.84	N	GND
0.224	FINAL	—	27.21	52.66	-25.45	N	GND
0.668	FINAL	—	25.24	46.00	-20.76	N	GND
0.674	FINAL	36.51	—	56.00	-19.49	N	GND
2.420	FINAL	—	13.19	46.00	-32.81	N	GND
2.423	FINAL	20.98	—	56.00	-35.02	N	GND
4.486	FINAL	32.43	—	56.00	-23.57	N	GND
4.560	FINAL	—	18.37	46.00	-27.63	N	GND
16.400	FINAL	14.95	—	60.00	-45.05	N	GND
16.400	FINAL	—	8.65	50.00	-41.35	N	GND

Table 7-43. AC Line Conducted Data with 802.11ax CDD (RU26) Ch.6 (N, with Adapter)

FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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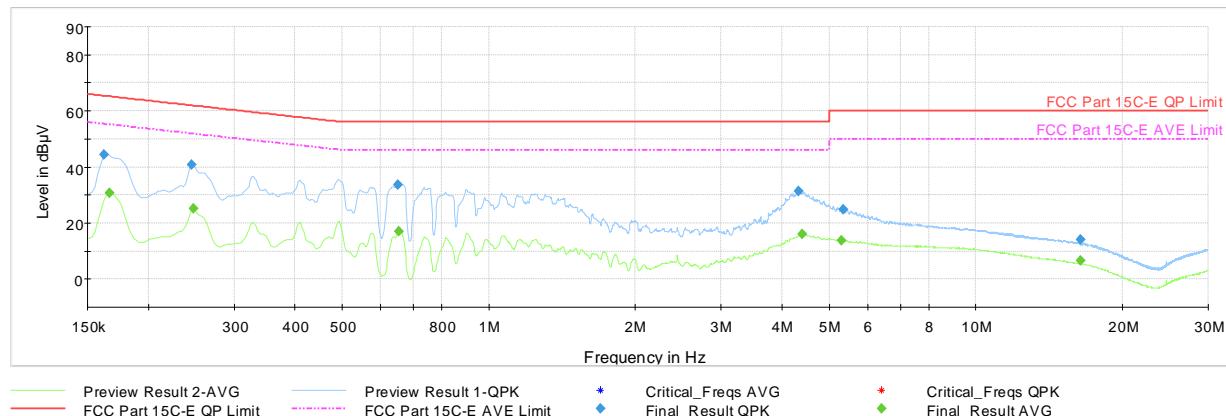


Plot 7-199. AC Line Conducted Emissions with 802.11ax CDD (RU242) Ch.6 (L1, with Adapter)

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.162	FINAL	46.06	—	65.36	-19.30	L1	GND
0.164	FINAL	—	33.99	55.25	-21.26	L1	GND
0.248	FINAL	—	29.33	51.84	-22.51	L1	GND
0.248	FINAL	42.95	—	61.84	-18.89	L1	GND
0.574	FINAL	34.96	—	56.00	-21.04	L1	GND
0.583	FINAL	—	18.88	46.00	-27.12	L1	GND
4.327	FINAL	33.56	—	56.00	-22.44	L1	GND
4.419	FINAL	—	17.21	46.00	-28.79	L1	GND
16.385	FINAL	15.01	—	60.00	-44.99	L1	GND
16.385	FINAL	—	11.31	50.00	-38.69	L1	GND
25.389	FINAL	11.94	—	60.00	-48.06	L1	GND
25.430	FINAL	—	5.29	50.00	-44.71	L1	GND

Table 7-44. AC Line Conducted Data with 802.11ax CDD (RU242) Ch.6 (L1, with Adapter)

FCC ID: BCGA2568 IC: 579C-A2568	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-200. AC Line Conducted Emissions with 802.11ax CDD (RU242) Ch.6 (N, with Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.162	FINAL	44.25	—	65.36	-21.11	N	GND
0.167	FINAL	—	30.67	55.13	-24.46	N	GND
0.245	FINAL	40.92	—	61.92	-21.00	N	GND
0.248	FINAL	—	25.12	51.84	-26.73	N	GND
0.650	FINAL	33.71	—	56.00	-22.29	N	GND
0.653	FINAL	—	17.00	46.00	-29.00	N	GND
4.318	FINAL	31.22	—	56.00	-24.78	N	GND
4.403	FINAL	—	15.92	46.00	-30.08	N	GND
5.285	FINAL	—	13.75	50.00	-36.25	N	GND
5.335	FINAL	24.76	—	60.00	-35.24	N	GND
16.391	FINAL	—	6.74	50.00	-43.26	N	GND
16.394	FINAL	13.97	—	60.00	-46.03	N	GND

Table 7-45. AC Line Conducted Data with 802.11ax CDD (RU242) Ch.6 (N, with Adapter)

FCC ID: BCGA2568 IC: 579C-A2568	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA2568, IC: 579C-A2568** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

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