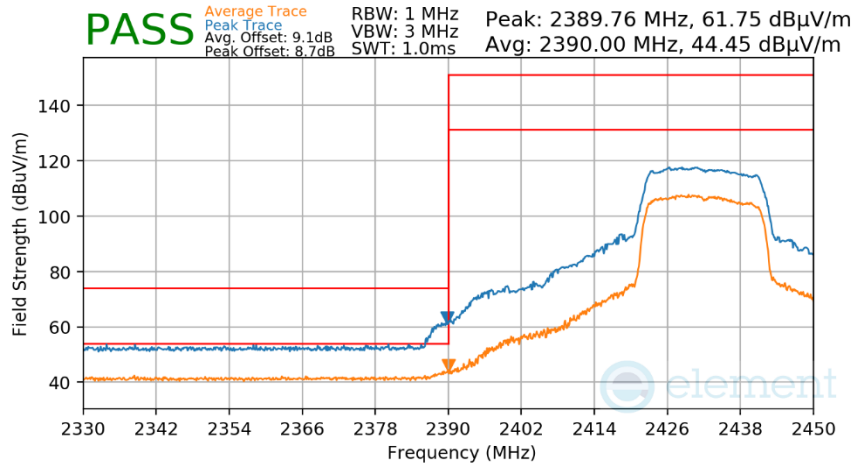
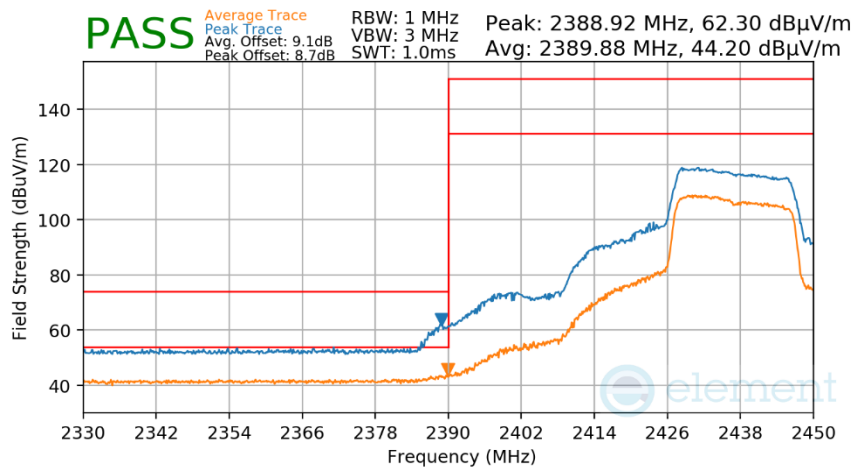


**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2432MHz  
**Channel:** 5



Plot 7-156 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)

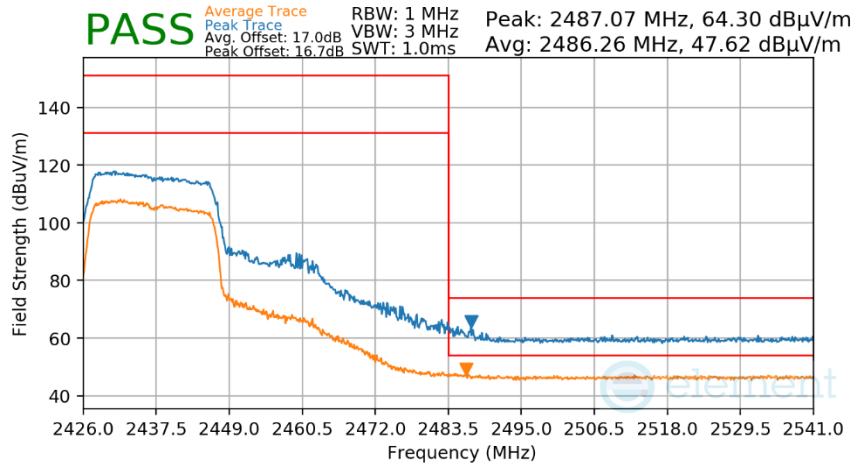
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2437MHz  
**Channel:** 6



Plot 7-157 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)

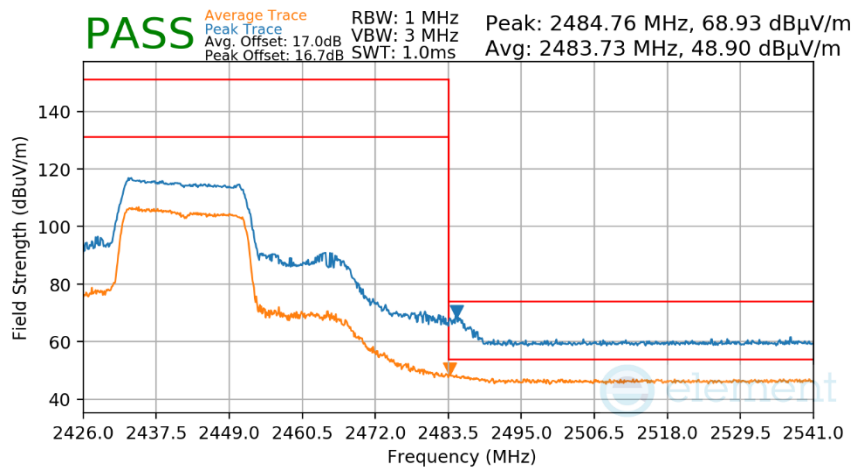
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 126 of 160

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



Plot 7-158 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

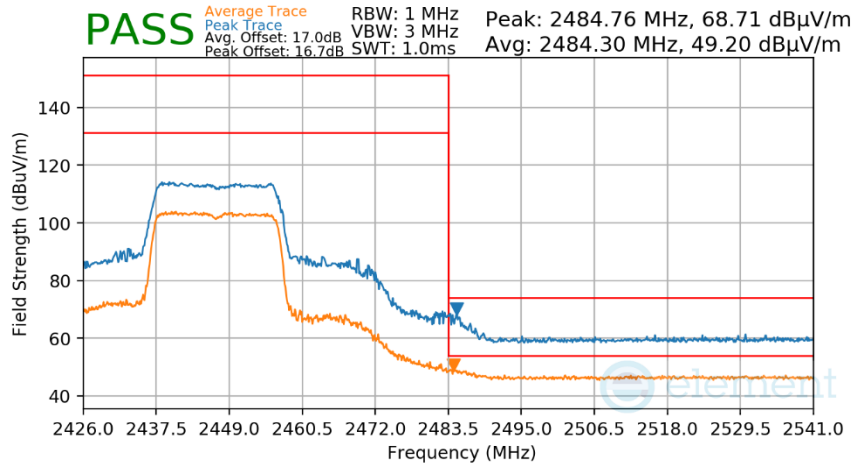
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2442MHz  
**Channel:** 7



Plot 7-159 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

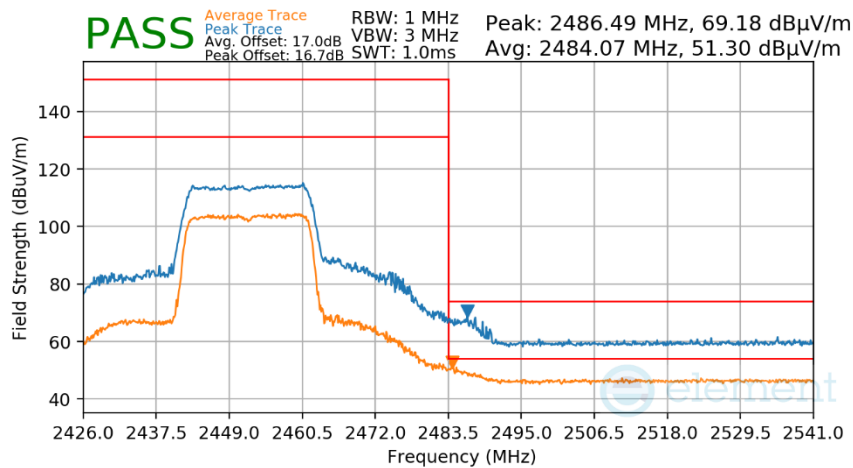
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 127 of 160

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



Plot 7-160 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

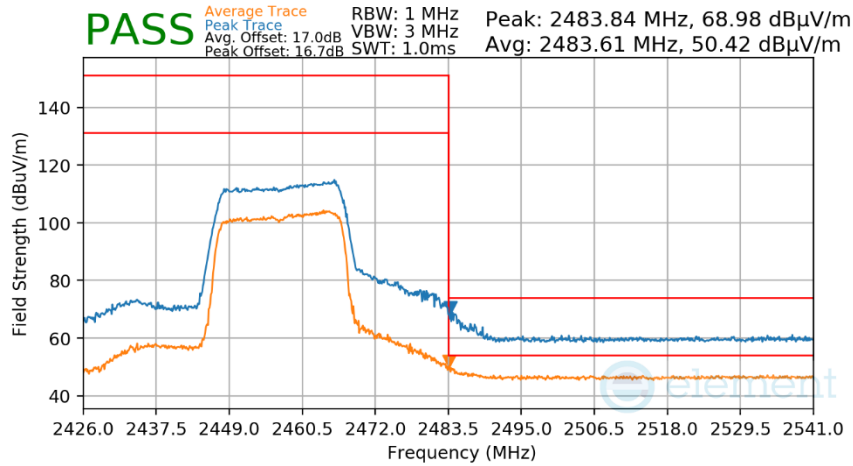
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2452MHz  
**Channel:** 9



Plot 7-161 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

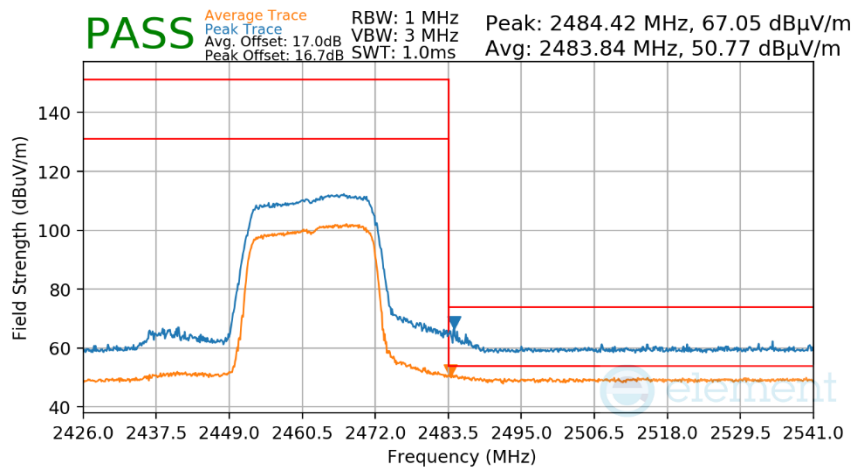
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 128 of 160

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



Plot 7-162 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

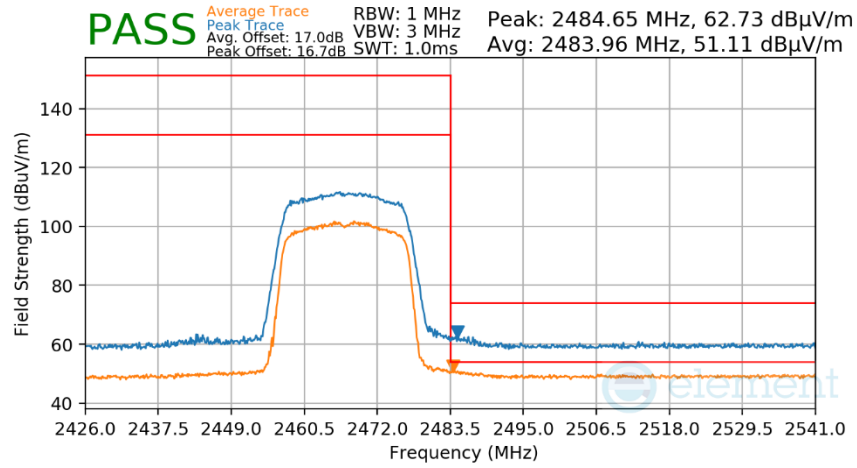
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2462MHz  
**Channel:** 11



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

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 129 of 160

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



Plot 7-164 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

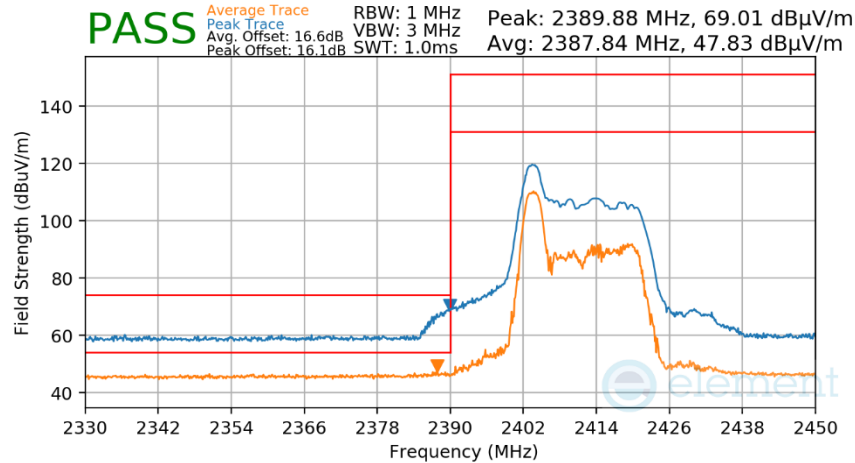
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 130 of 160

## 7.7.5 Antenna 1a Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

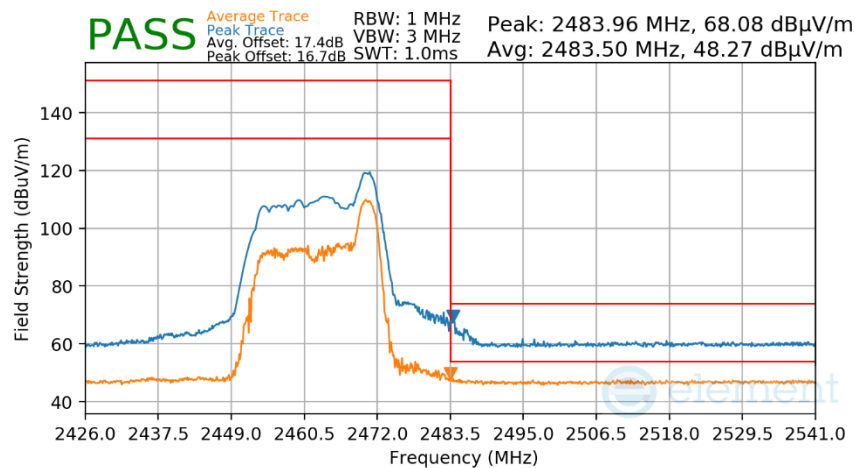
### RU26

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



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

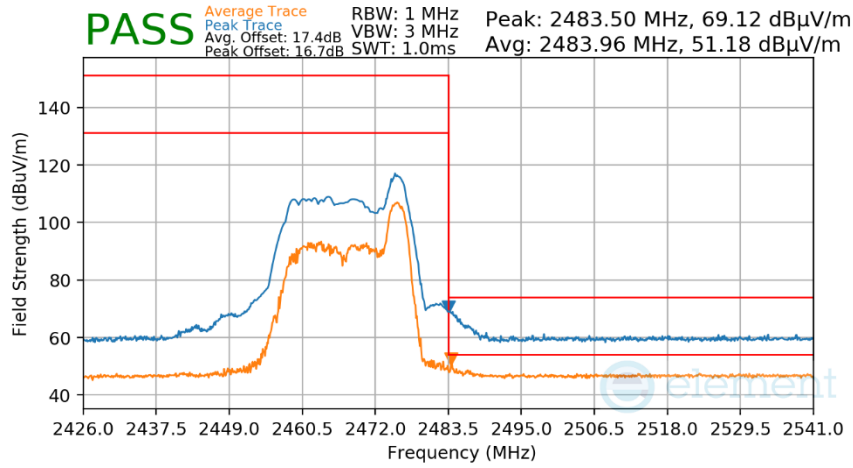
Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	8
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



Plot 7-166 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU26)

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 131 of 160

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

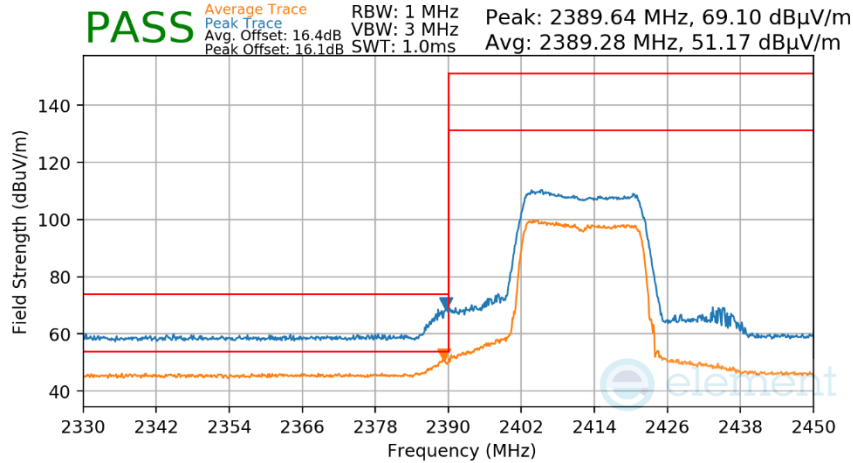


Plot 7-167 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU26)

<b>FCC ID:</b> BCGA2995 <b>IC:</b> 579C-A2995		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2405200018-15.BCG	<b>Test Dates:</b> 5/20/2024 - 7/12/2024	<b>EUT Type:</b> Tablet Device	Page 132 of 160

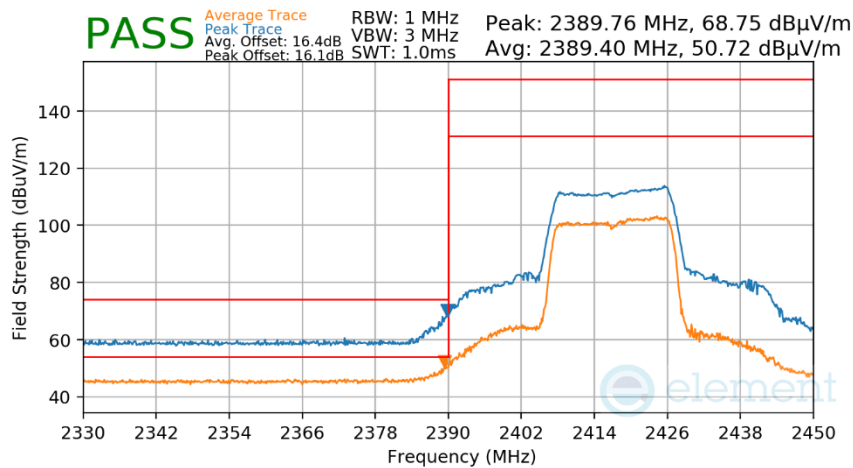
## RU242

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



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

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

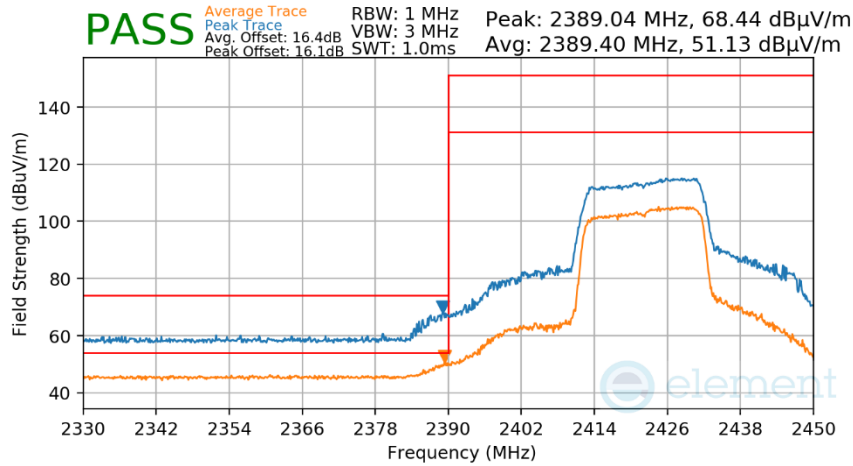


Plot 7-169 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 133 of 160

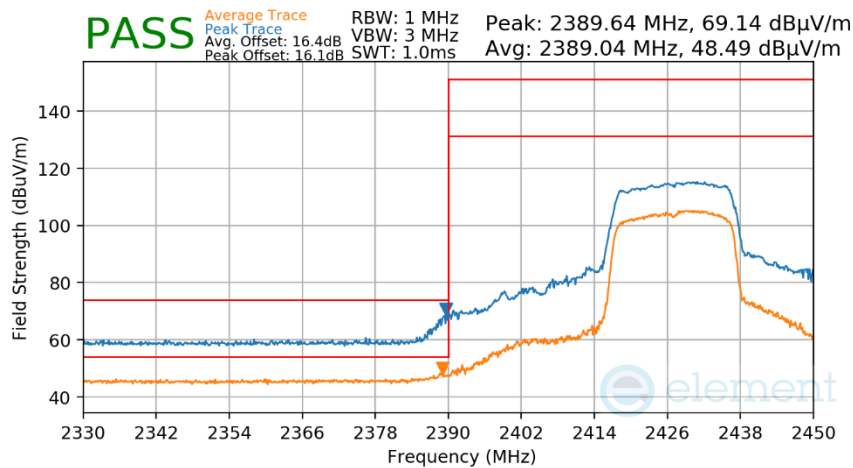


**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2422MHz  
**Channel:** 3



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

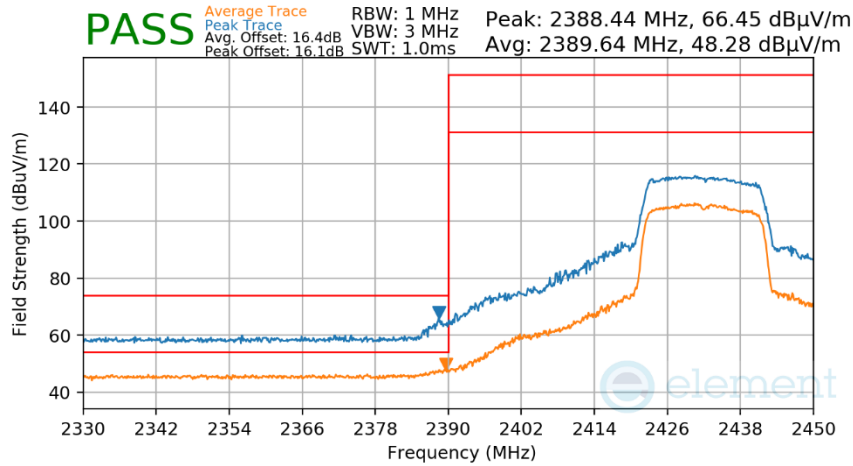
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2427MHz  
**Channel:** 4



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

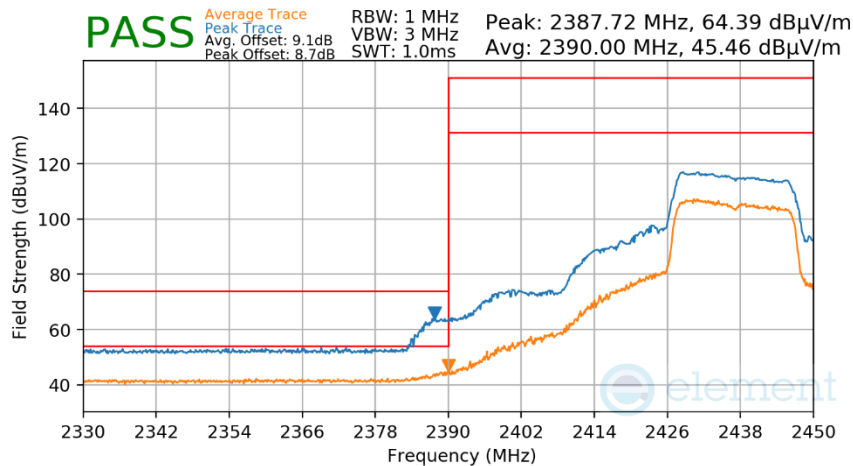
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 134 of 160

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



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

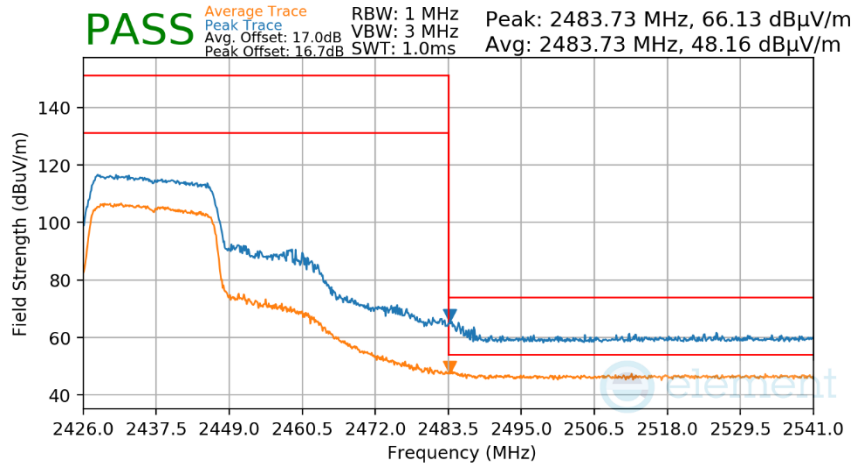
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2437MHz  
**Channel:** 6



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

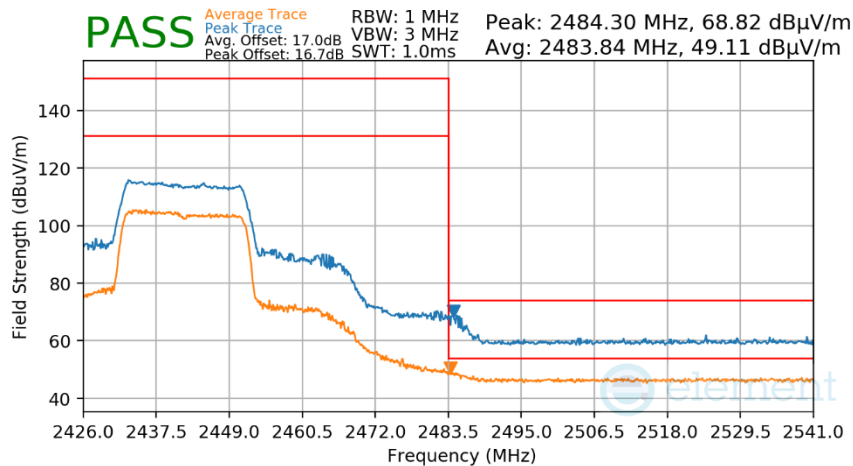
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 135 of 160

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



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

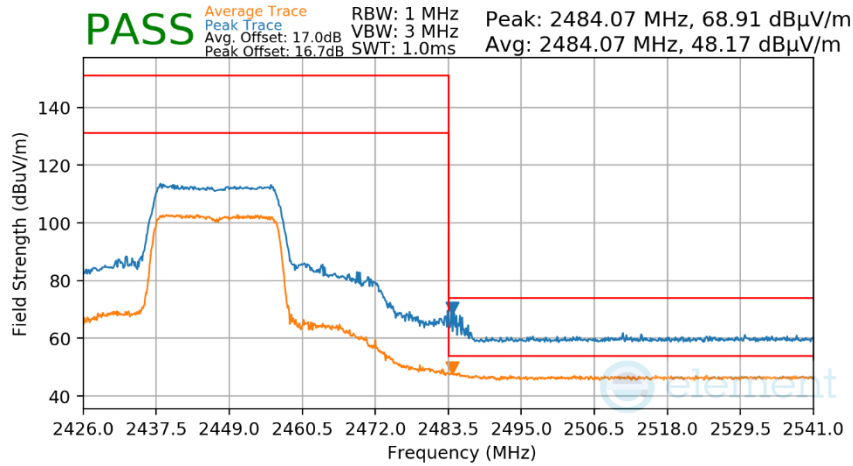
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2442MHz  
**Channel:** 7



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

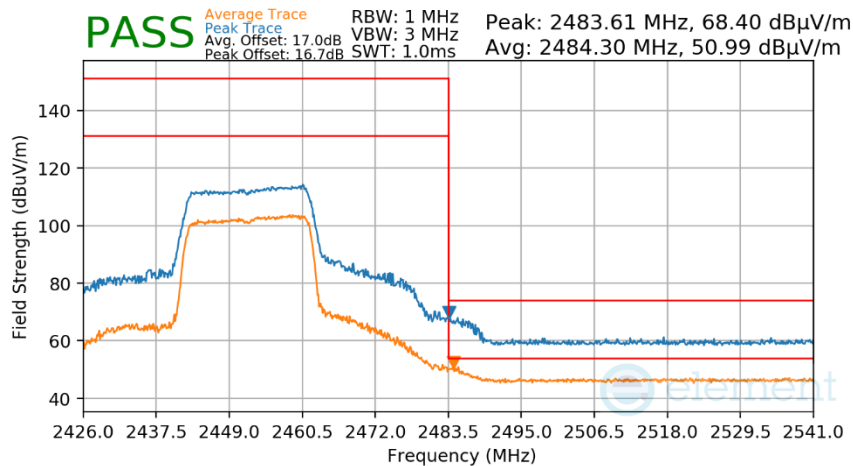
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 136 of 160

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



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

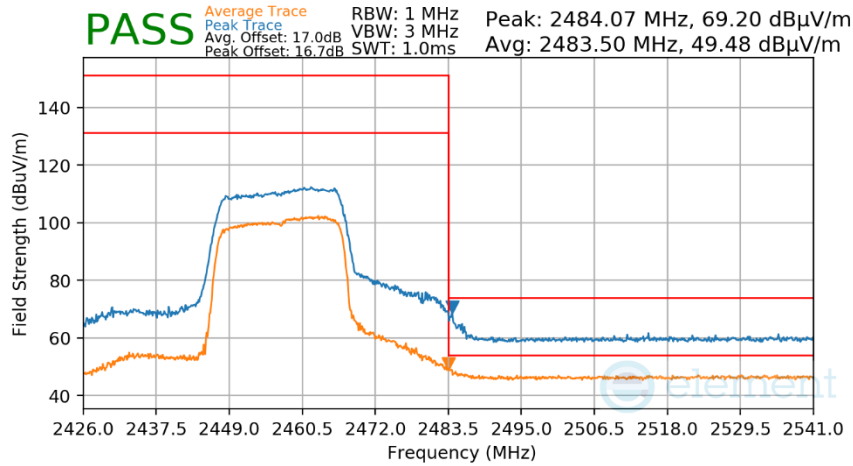
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2452MHz  
**Channel:** 9



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

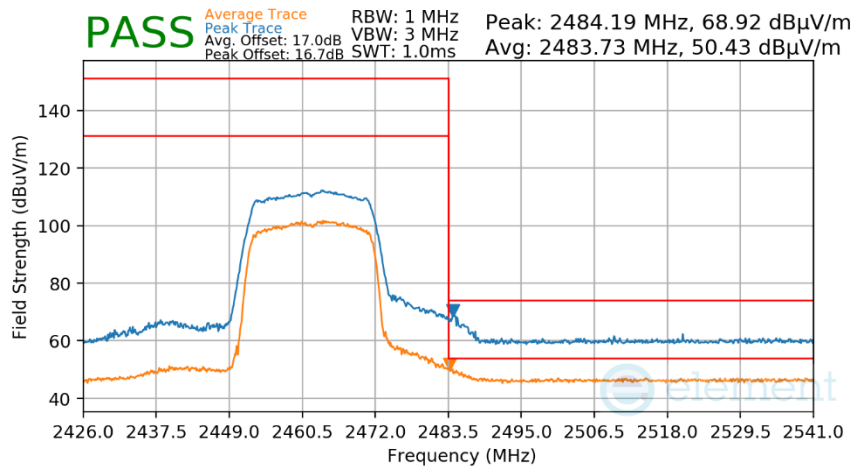
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 137 of 160

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



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

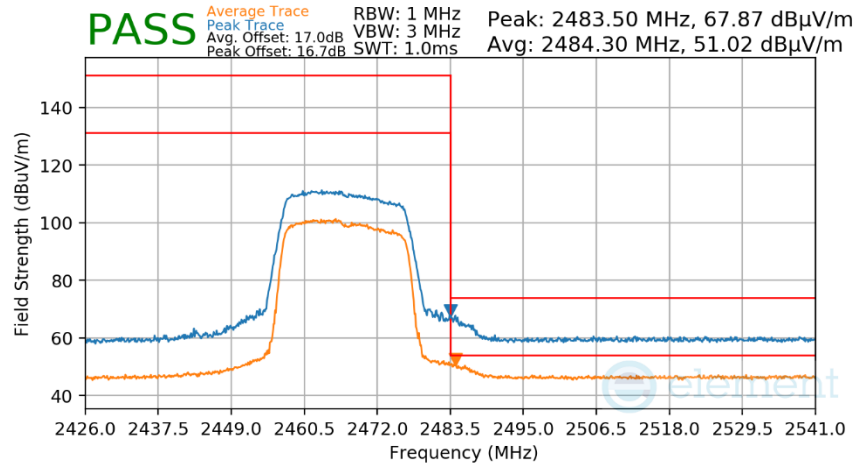
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2462MHz  
**Channel:** 11



Plot 7-179 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 138 of 160

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



Plot 7-180 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

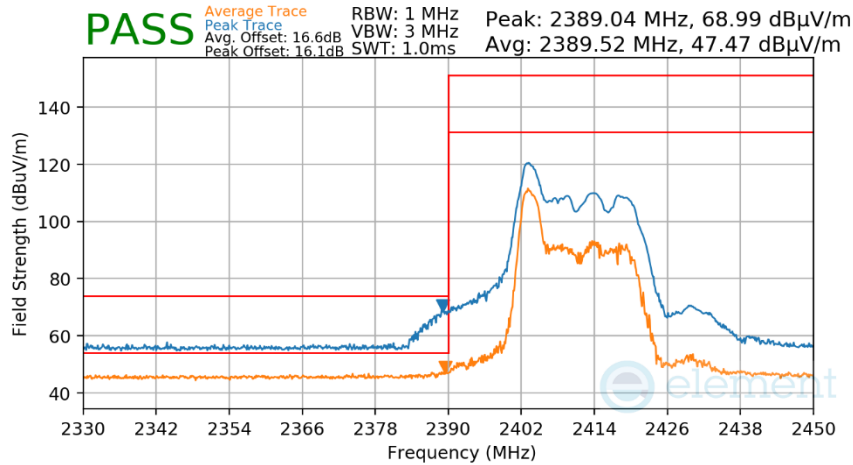
<b>FCC ID:</b> BCGA2995 <b>IC:</b> 579C-A2995		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2405200018-15.BCG	<b>Test Dates:</b> 5/20/2024 - 7/12/2024	<b>EUT Type:</b> Tablet Device	Page 139 of 160

## 7.7.6 CDD Primary Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

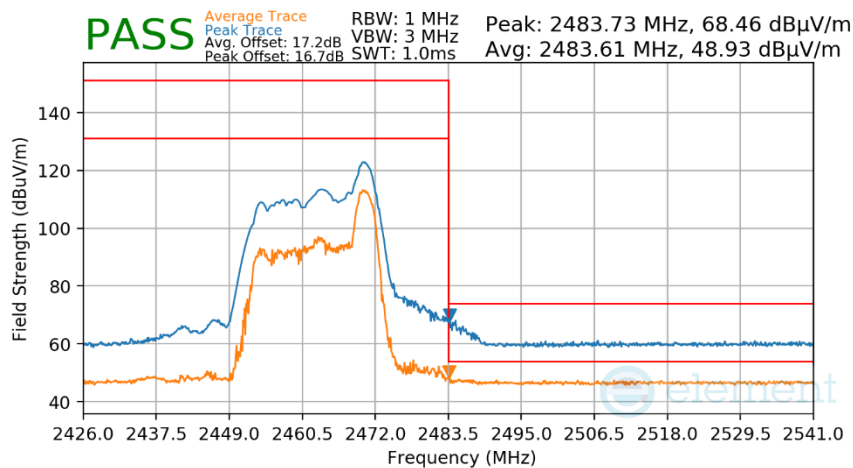
### RU26

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



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

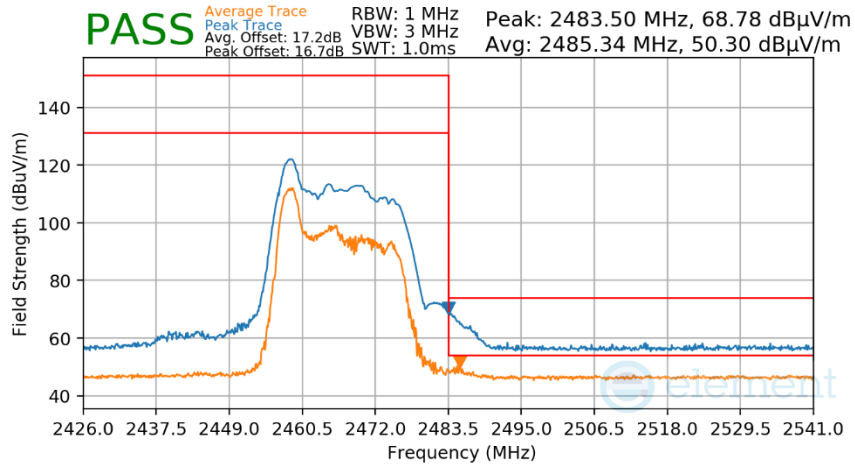
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 8  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2462MHz  
**Channel:** 11



Plot 7-182 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU26)

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 140 of 160

**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 0  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2467MHz  
**Channel:** 12



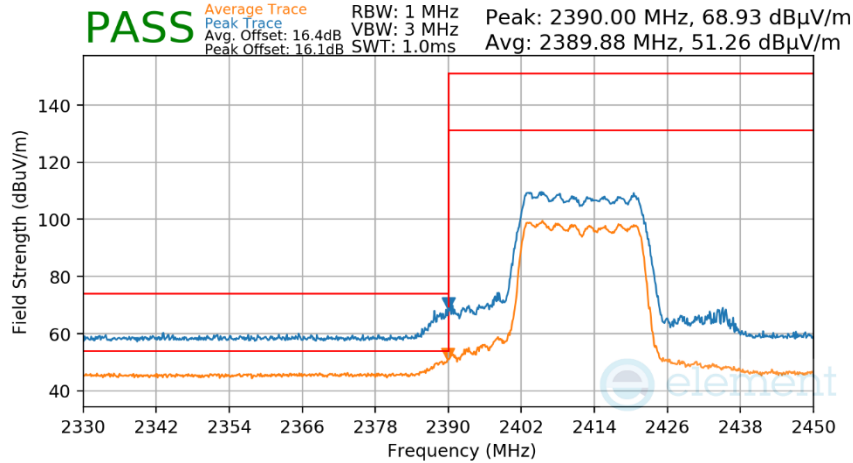
Plot 7-183 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU26)

<b>FCC ID:</b> BCGA2995 <b>IC:</b> 579C-A2995	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2405200018-15.BCG		<b>Test Dates:</b> 5/20/2024 - 7/12/2024



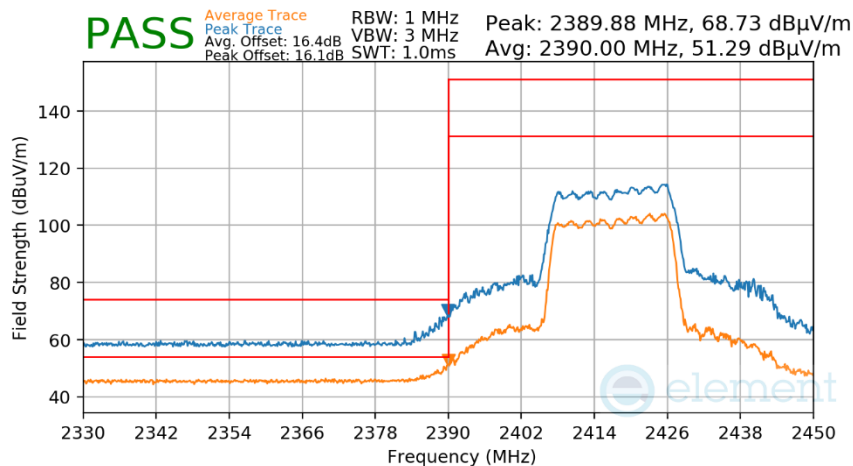
## RU242

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



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

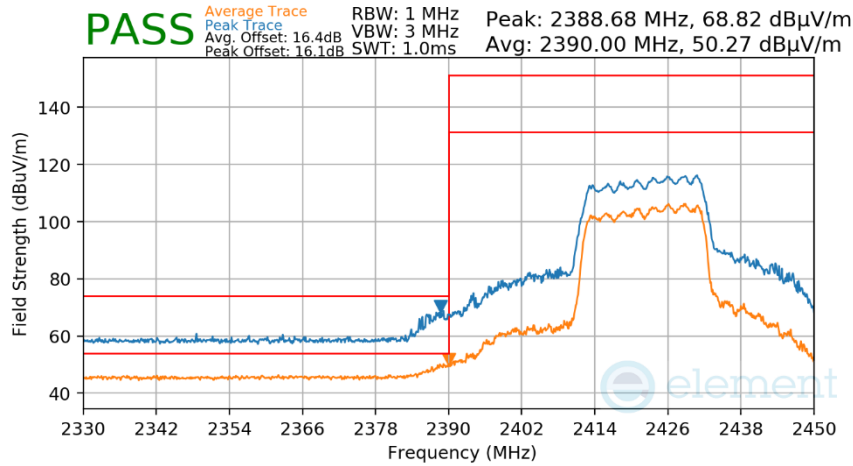
Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2



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

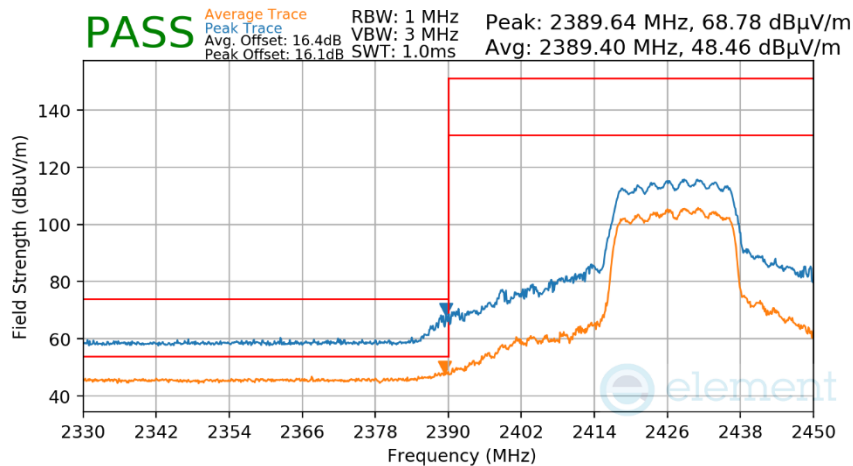
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 142 of 160

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



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

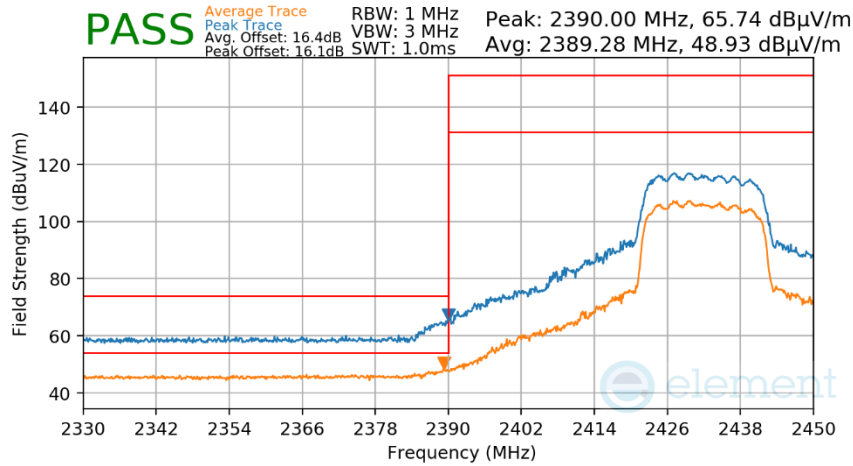
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2427MHz  
**Channel:** 4



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

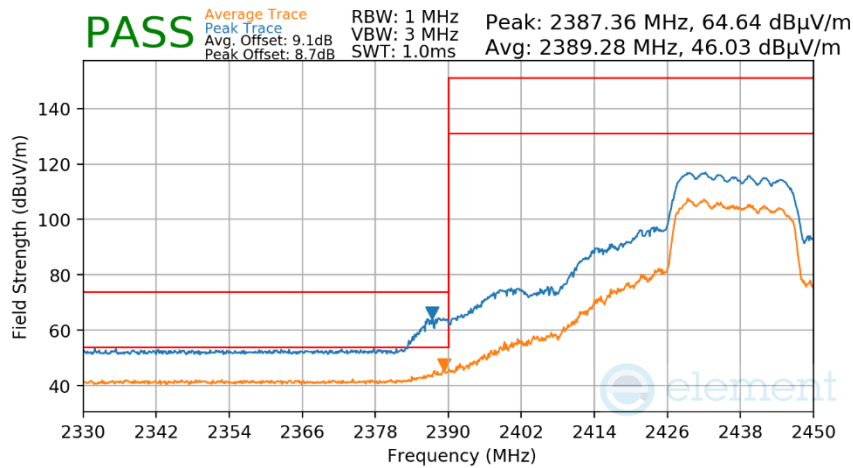
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 143 of 160

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



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

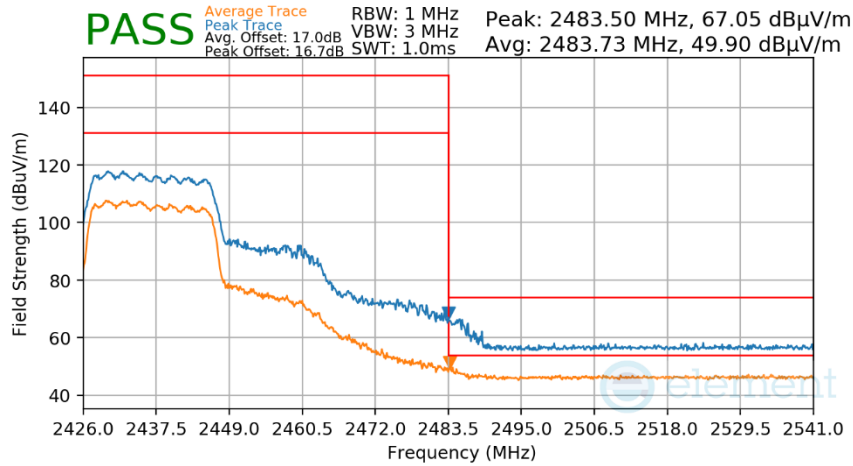
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2437MHz  
**Channel:** 6



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

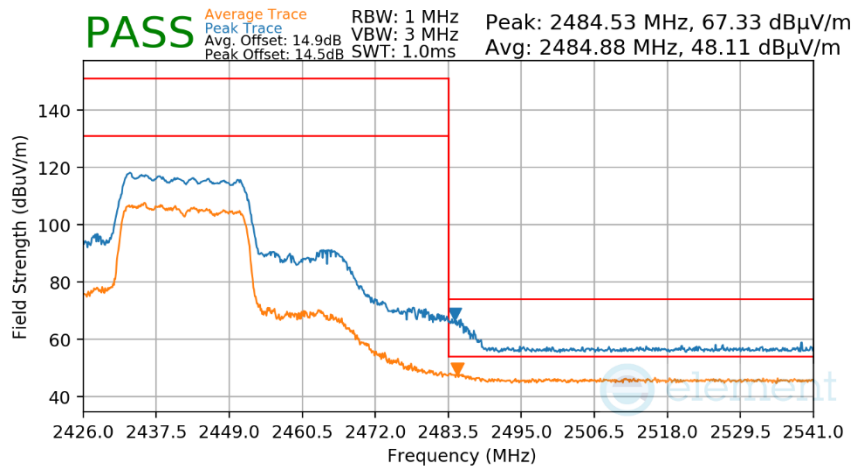
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 144 of 160

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



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

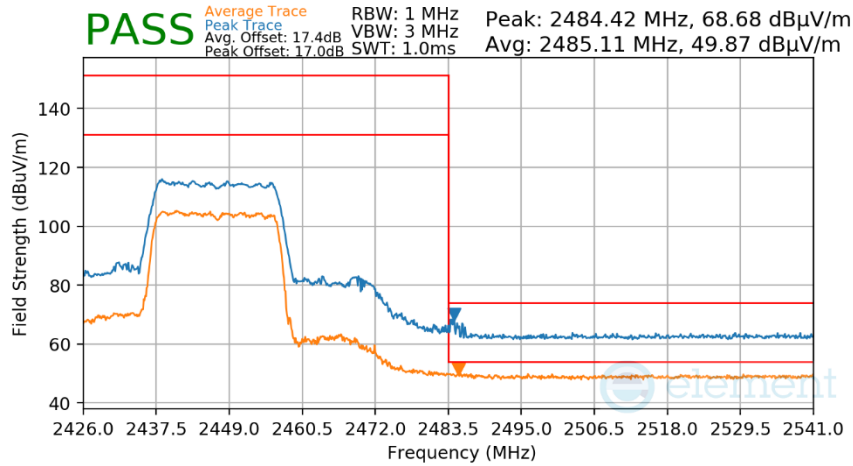
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2442MHz  
**Channel:** 7



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

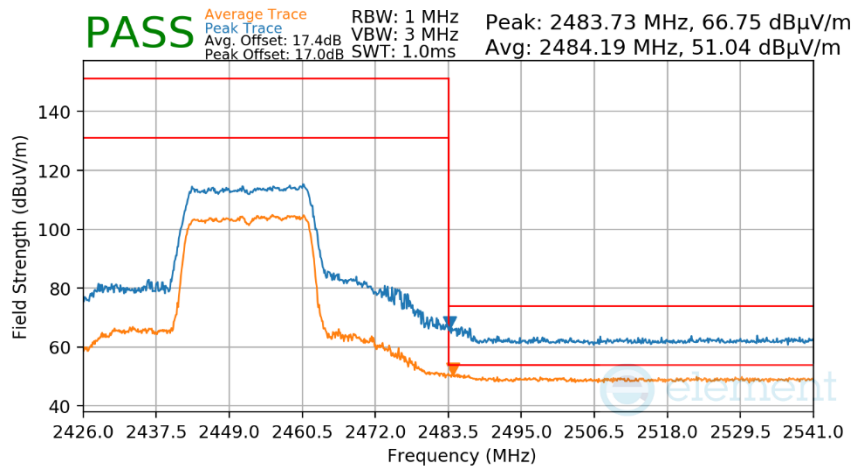
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 145 of 160

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



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

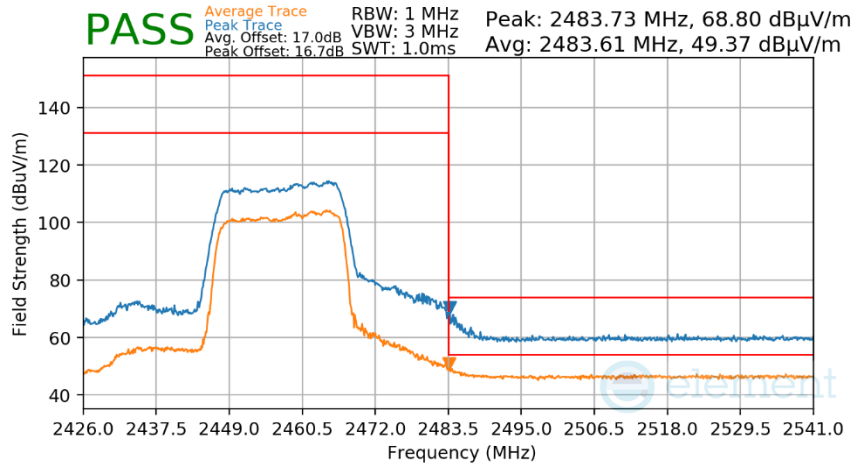
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2452MHz  
**Channel:** 9



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

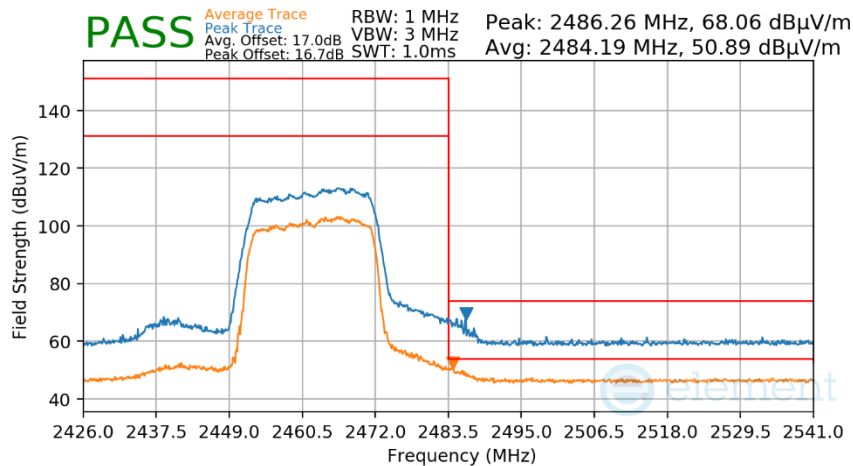
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2457MHz  
**Channel:** 10



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

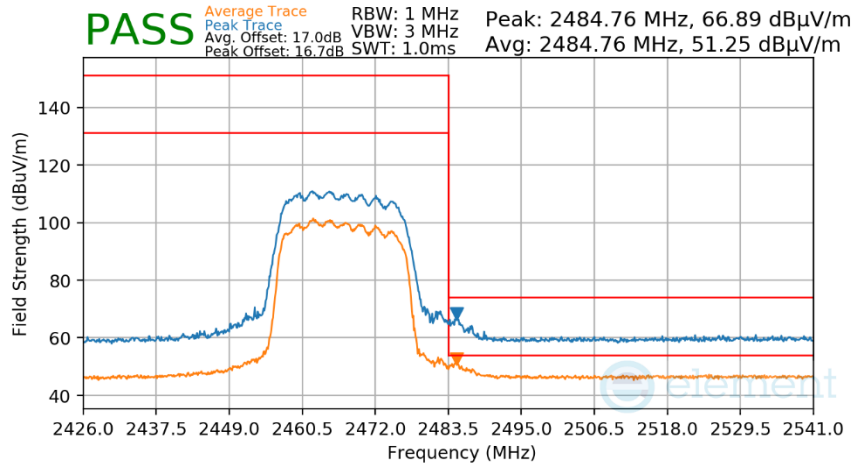
**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2462MHz  
**Channel:** 11



Plot 7-195 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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**Mode:** 802.11ax OFDMA  
**Transfer Rate:** MCS9  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2467MHz  
**Channel:** 12



Plot 7-196 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 148 of 160

## 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 7-43 per Section 15.209 and RSS-Gen (8.9).**

Frequency	Field Strength [ $\mu\text{V/m}$ ]	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 7-43. Radiated Limits

### Test Procedures Used

ANSI C63.10-2020

### 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
7. Trace was allowed to stabilize

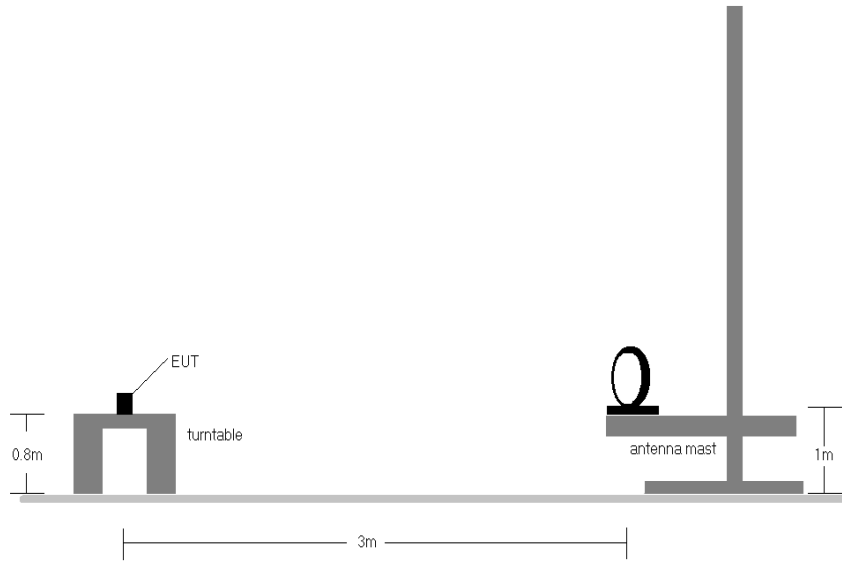
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-15.BCG	Test Dates: 5/20/2024 - 7/12/2024	EUT Type: Tablet Device	Page 149 of 160

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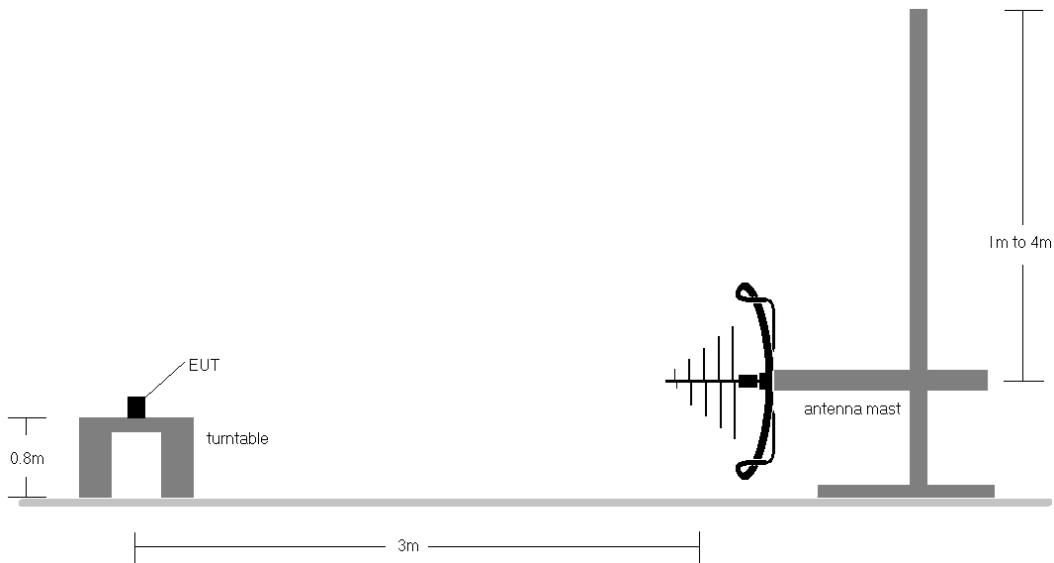


**Test Setup**

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 7-43.
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. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. All antenna configurations and data rates were investigated and only the worst case are reported.
10. 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.
11. 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

## Sample Calculations

### Determining Spurious Emissions Levels

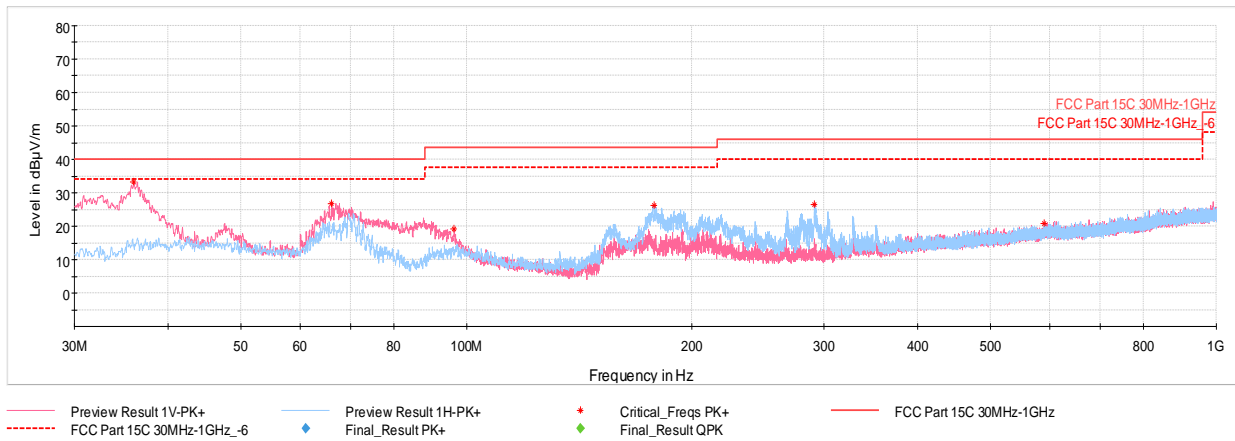
- Field Strength Level  $_{[dB\mu V/m]} = \text{Analyzer Level }_{[dBm]} + 107 + \text{AFCL }_{[dB/m]}$
- $\text{AFCL }_{[dB/m]} = \text{Antenna Factor }_{[dB/m]} + \text{Cable Loss }_{[dB]} - \text{Preamplifier Gain }_{[dB]}$
- $\text{Margin }_{[dB]} = \text{Field Strength Level }_{[dB\mu V/m]} - \text{Limit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

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

§15.209; RSS-Gen [8.9]

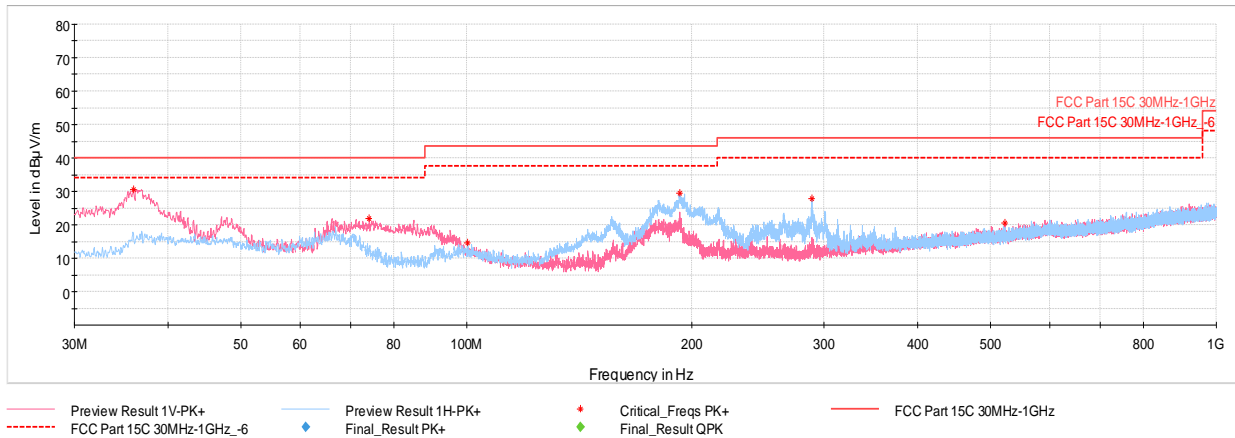


**Plot 7-197. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC Adapter and USB-C Cable**

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]
36.01	Max-Peak	V	100	13	-58.89	-14.90	33.21	40.00	-6.79
66.13	Max-Peak	V	100	223	-63.22	-16.93	26.85	40.00	-13.15
96.30	Max-Peak	V	100	123	-71.30	-16.56	19.14	43.52	-24.38
177.93	Max-Peak	H	200	164	-62.56	-18.27	26.17	43.52	-17.35
291.32	Max-Peak	H	100	79	-66.31	-14.10	26.59	46.02	-19.43
589.59	Max-Peak	H	100	145	-79.34	-6.84	20.82	46.02	-25.20

**Table 7-44. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC Adapter and USB-C Cable**

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**Plot 7-198. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU242), with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
35.97	Max-Peak	V	100	294	-61.41	-14.92	30.67	40.00	-9.33
74.18	Max-Peak	V	100	227	-64.93	-20.06	22.01	40.00	-17.99
100.37	Max-Peak	H	300	128	-76.27	-16.10	14.63	43.52	-28.89
192.57	Max-Peak	H	100	202	-61.13	-16.54	29.33	43.52	-14.19
288.80	Max-Peak	H	100	250	-65.08	-14.19	27.73	46.02	-18.29
522.13	Max-Peak	V	100	124	-77.85	-8.70	20.45	46.02	-25.57

**Table 7-45. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU242), with AC/DC Adapter and USB-C Cable**

FCC ID: BCGA2995 IC: 579C-A2995		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
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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 $\mu$ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-46. Conducted Limits

\*Decreases with the logarithm of the frequency.

### Test Procedures Used

ANSI C63.10-2020, Subclause 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.

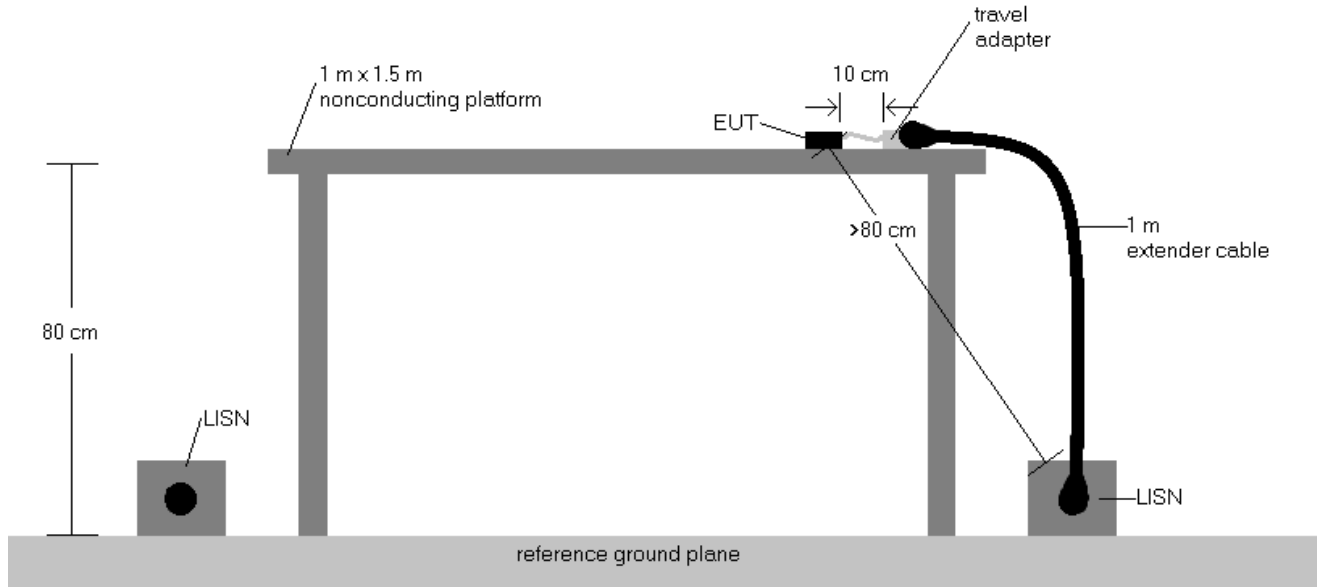


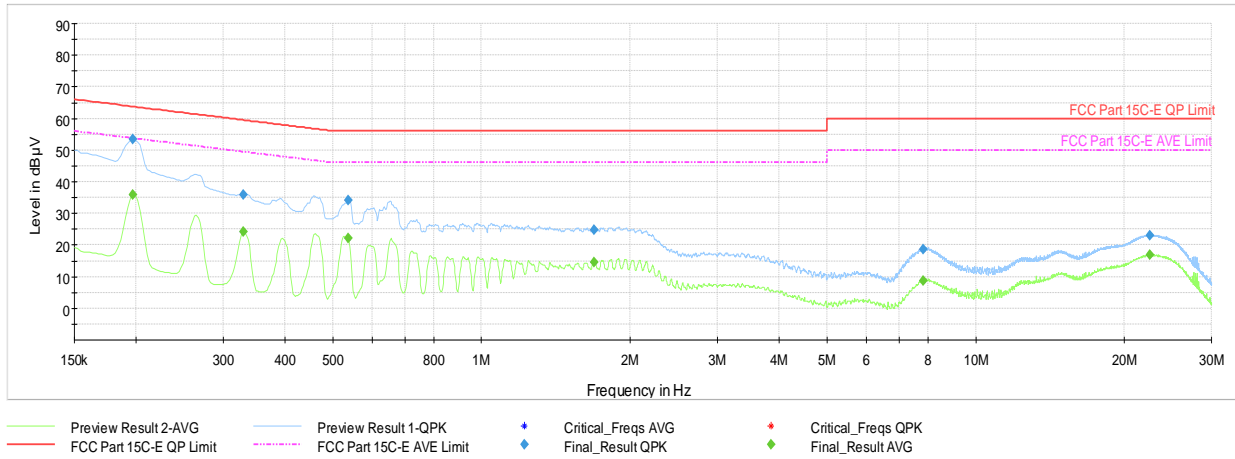
Figure 7-9. Test Instrument & Measurement Setup

## 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.  $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
5.  $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
6.  $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
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.

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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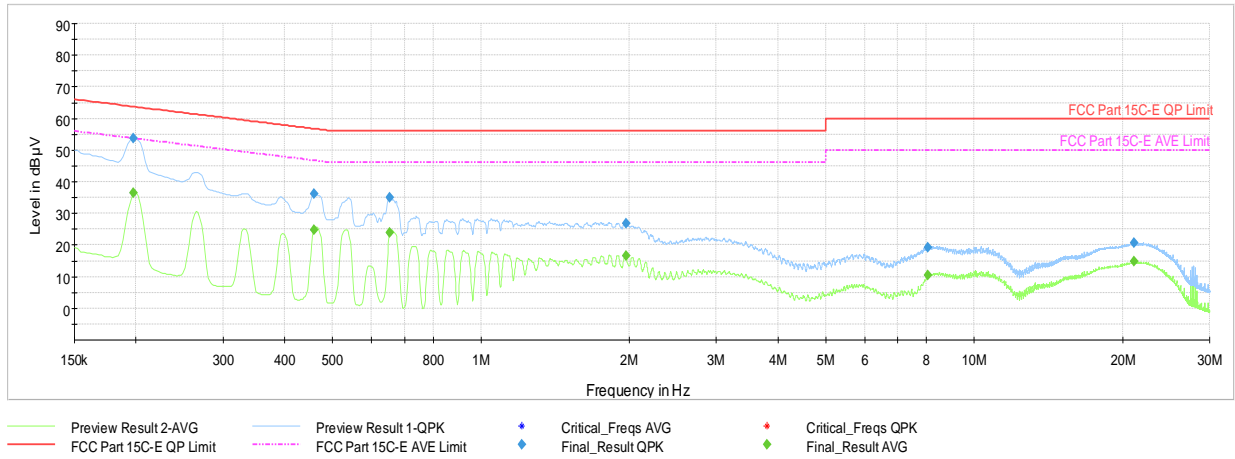


**Plot 7-199. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 (L1, with host PC and USB-C cable)**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.197	FINAL	—	35.98	53.73	-17.75	L1	GND
0.197	FINAL	53.3	—	63.73	-10.39	L1	GND
0.330	FINAL	—	24.10	49.45	-25.35	L1	GND
0.330	FINAL	36.0	—	59.45	-23.44	L1	GND
0.537	FINAL	—	22.23	46.00	-23.77	L1	GND
0.537	FINAL	34.2	—	56.00	-21.85	L1	GND
1.687	FINAL	24.9	—	56.00	-31.14	L1	GND
1.687	FINAL	—	14.61	46.00	-31.39	L1	GND
7.818	FINAL	18.7	—	60.00	-41.28	L1	GND
7.818	FINAL	—	8.60	50.00	-41.40	L1	GND
22.506	FINAL	—	16.77	50.00	-33.23	L1	GND
22.506	FINAL	23.1	—	60.00	-36.89	L1	GND

**Table 7-47. AC Line Conducted Data with 802.11ax (RU26) Ch.6 (L1, with host PC and USB-C cable)**

FCC ID: BCGA2995 IC: 579C-A2995		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
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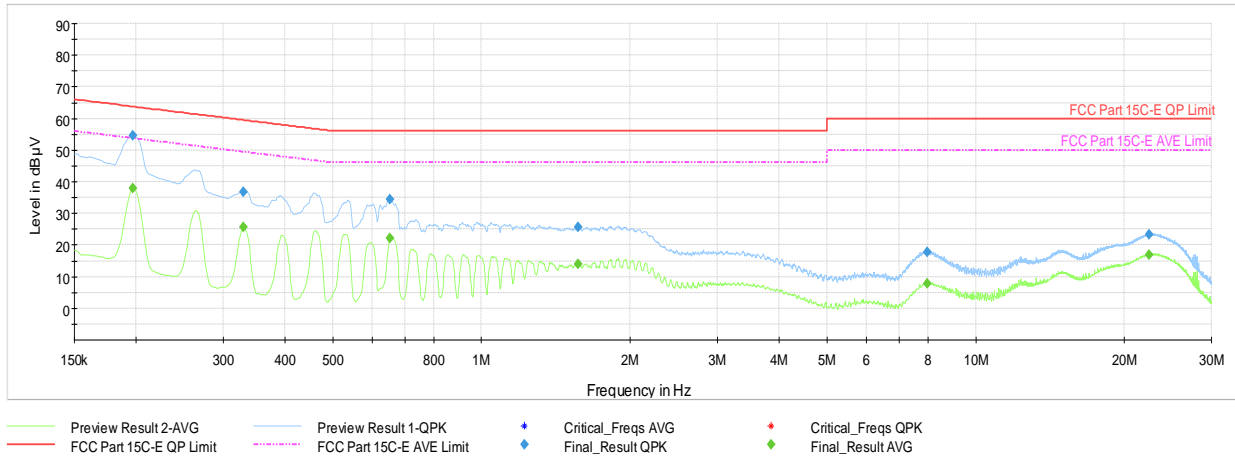
**Plot 7-200. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 (N, with host PC and USB-C cable)**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.197	FINAL	—	36.38	53.73	-17.34	N	GND
0.197	FINAL	53.8	—	63.73	-9.92	N	GND
0.458	FINAL	—	24.67	46.72	-22.05	N	GND
0.458	FINAL	36.3	—	56.72	-20.42	N	GND
0.654	FINAL	—	23.83	46.00	-22.17	N	GND
0.654	FINAL	35.1	—	56.00	-20.91	N	GND
1.966	FINAL	26.9	—	56.00	-29.15	N	GND
1.966	FINAL	—	16.54	46.00	-29.46	N	GND
8.057	FINAL	19.2	—	60.00	-40.85	N	GND
8.059	FINAL	—	10.34	50.00	-39.66	N	GND
21.100	FINAL	—	14.78	50.00	-35.22	N	GND
21.100	FINAL	20.8	—	60.00	-39.25	N	GND

**Table 7-48. AC Line Conducted Data with 802.11ax (RU26) Ch.6 (N, with host PC and USB-C cable)**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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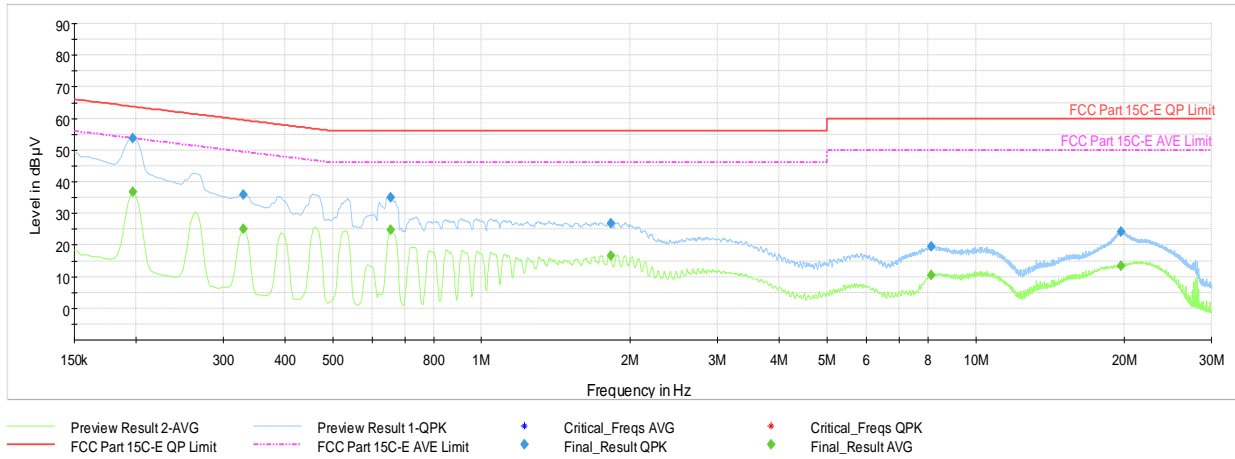


**Plot 7-201. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 (L1, with host PC and USB-C cable)**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.197	FINAL	—	37.99	53.73	-15.74	L1	GND
0.197	FINAL	54.7	—	63.73	-9.05	L1	GND
0.330	FINAL	—	25.57	49.45	-23.88	L1	GND
0.330	FINAL	36.8	—	59.45	-22.67	L1	GND
0.652	FINAL	—	22.29	46.00	-23.71	L1	GND
0.652	FINAL	34.4	—	56.00	-21.58	L1	GND
1.565	FINAL	25.6	—	56.00	-30.40	L1	GND
1.565	FINAL	—	13.91	46.00	-32.09	L1	GND
7.980	FINAL	17.9	—	60.00	-42.12	L1	GND
7.980	FINAL	—	7.70	50.00	-42.30	L1	GND
22.466	FINAL	—	17.00	50.00	-33.00	L1	GND
22.466	FINAL	23.3	—	60.00	-36.67	L1	GND

**Table 7-49. AC Line Conducted Data with 802.11ax (RU242) Ch.6 (L1, with host PC and USB-C cable)**

FCC ID: BCGA2995 IC: 579C-A2995		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
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**Plot 7-202. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 (N, with host PC and USB-C cable)**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.197	FINAL	—	36.76	53.73	-16.97	N	GND
0.197	FINAL	53.7	—	63.73	-10.08	N	GND
0.330	FINAL	—	24.96	49.45	-24.49	N	GND
0.330	FINAL	35.9	—	59.45	-23.58	N	GND
0.654	FINAL	—	24.83	46.00	-21.17	N	GND
0.654	FINAL	34.9	—	56.00	-21.06	N	GND
1.824	FINAL	26.9	—	56.00	-29.09	N	GND
1.824	FINAL	—	16.65	46.00	-29.35	N	GND
8.117	FINAL	19.4	—	60.00	-40.57	N	GND
8.117	FINAL	—	10.57	50.00	-39.43	N	GND
19.696	FINAL	—	13.43	50.00	-36.57	N	GND
19.696	FINAL	24.3	—	60.00	-35.68	N	GND

**Table 7-50. AC Line Conducted Data with 802.11ax (RU242) Ch.6 (N, with host PC and USB-C cable)**

FCC ID: BCGA2995 IC: 579C-A2995		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical 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: BCGA2995, IC: 579C-A2995** 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.

<b>FCC ID:</b> BCGA2995 <b>IC:</b> 579C-A2995	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
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