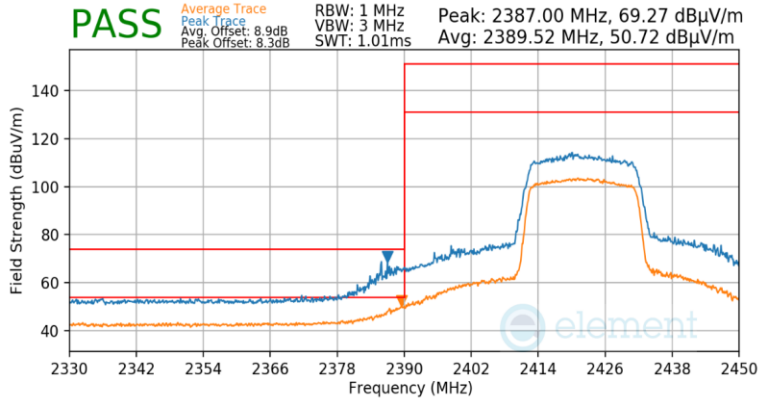
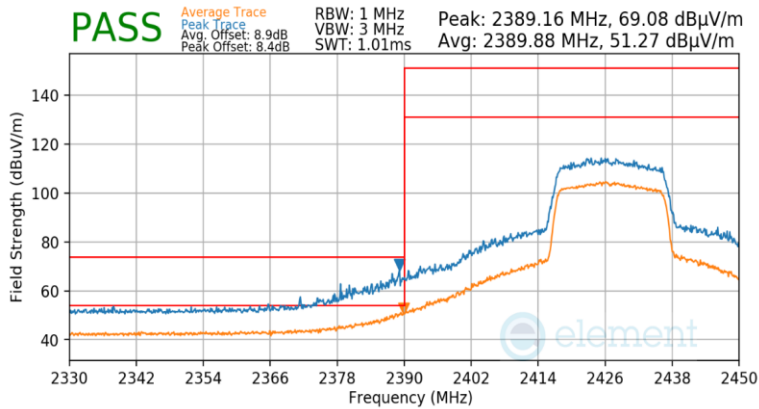


Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2422MHz  
 Channel: 3



**Plot 7-168. Radiated Restricted Lower Band Edge Measurement Ant 2 (Peak & Average – RU242)**

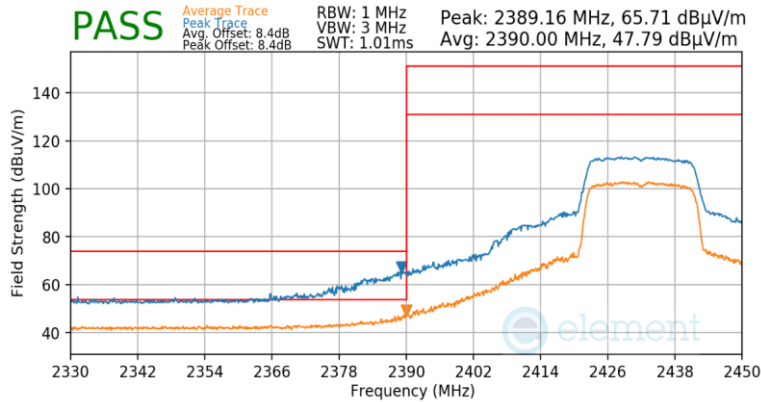
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 4 Meters  
 Operating Frequency: 2427MHz  
 Channel: 4



**Plot 7-169. Radiated Restricted Lower Band Edge Measurement Ant 2 (Peak & Average – RU242)**

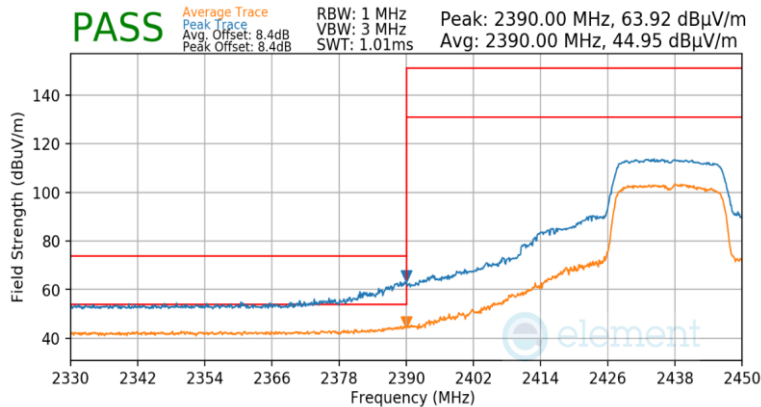
FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2302130007-04.BCG	<b>Test Dates:</b> 2/20/2023 - 4/24/2023	<b>EUT Type:</b> Head Mounted Device	Page 129 of 154

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 Ant 2 (Peak & Average – RU242)**

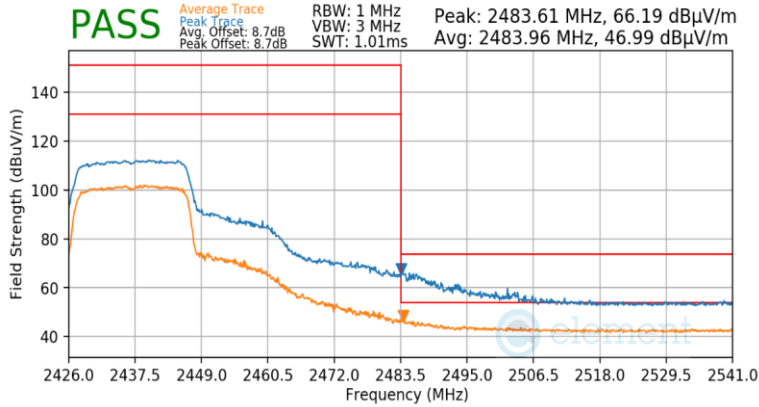
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 6(low)



**Plot 7-171. Radiated Restricted Lower Band Edge Measurement Ant 2 (Peak & Average – RU242)**

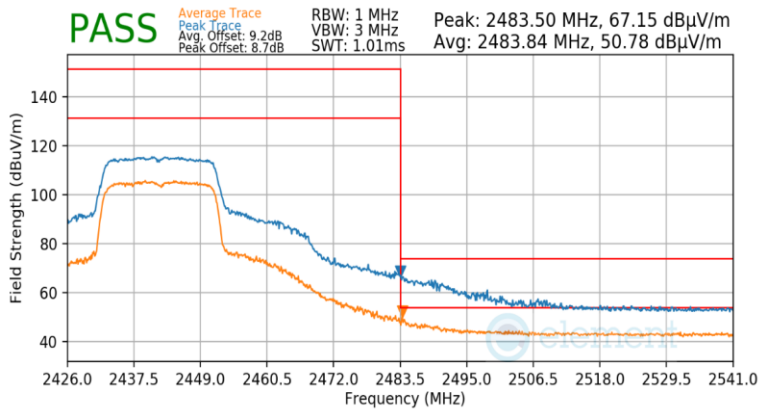
FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 6(high)



**Plot 7-172. Radiated Restricted Lower Band Edge Measurement Ant 2 (Peak & Average – RU242)**

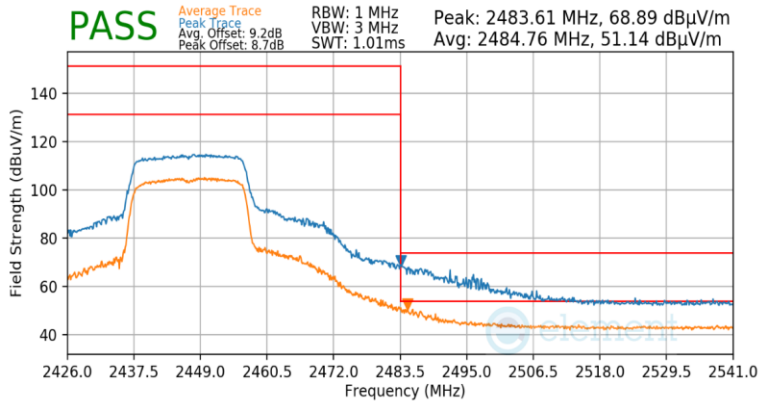
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2442MHz  
 Channel: 7



**Plot 7-173. Radiated Restricted Upper Band Edge Measurement Ant 2 (Peak & Average – RU242)**

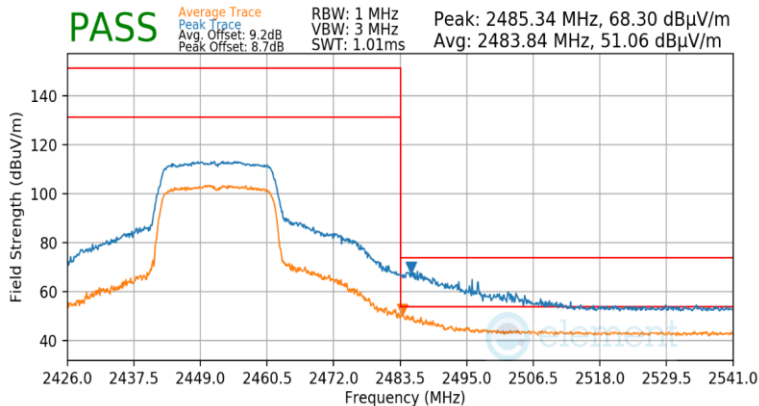
FCC ID: BCGA2117 IC: 579C-A2117		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2302130007-04.BCG	Test Dates: 2/20/2023 - 4/24/2023	EUT Type: Head Mounted Device	Page 131 of 154

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 Ant 2 (Peak & Average – RU242)**

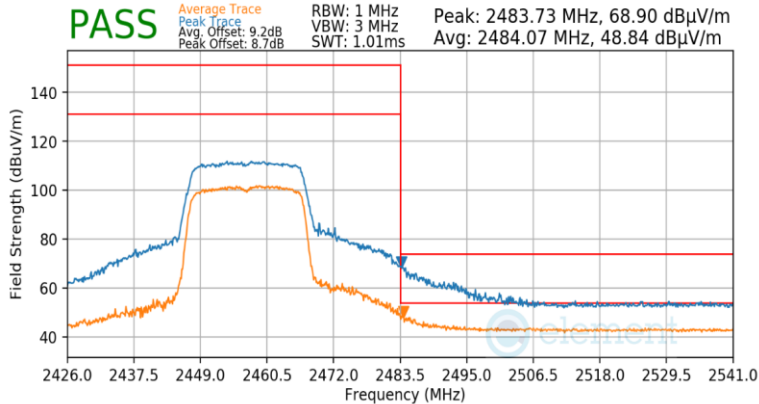
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2452MHz  
 Channel: 9



**Plot 7-175. Radiated Restricted Upper Band Edge Measurement Ant 2 (Peak & Average – RU242)**

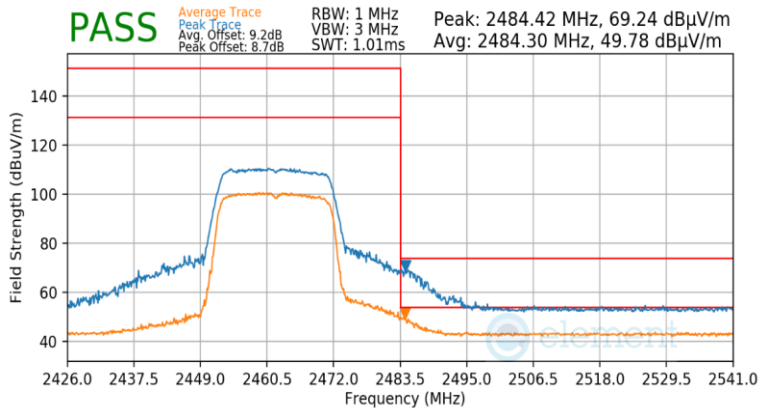
FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
Test Report S/N: 1C2302130007-04.BCG	Test Dates: 2/20/2023 - 4/24/2023	EUT Type: Head Mounted Device	Page 132 of 154

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 7-176. Radiated Restricted Upper Band Edge Measurement Ant 2 (Peak & Average – RU242)**

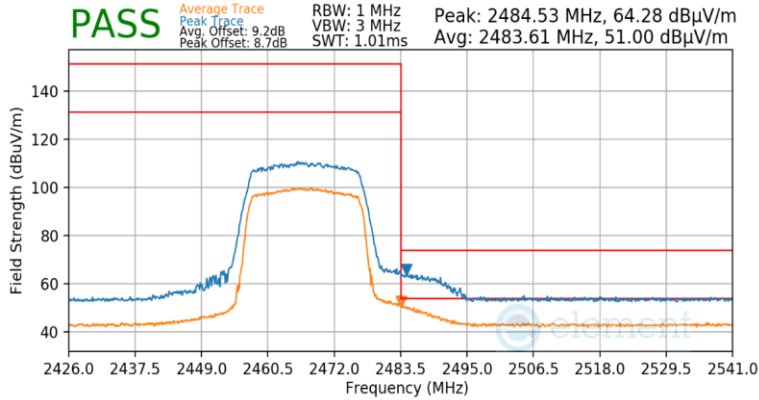
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11




**Plot 7-177. Radiated Restricted Upper Band Edge Measurement Ant 2 (Peak & Average – RU242)**

FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2302130007-04.BCG	<b>Test Dates:</b> 2/20/2023 - 4/24/2023	<b>EUT Type:</b> Head Mounted Device	Page 133 of 154

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



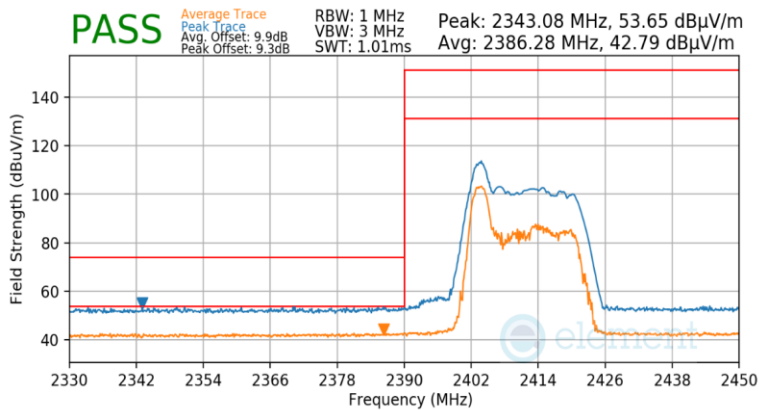
**Plot 7-178. Radiated Restricted Upper Band Edge Measurement Ant 2 (Peak & Average – RU242)**

FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2302130007-04.BCG	<b>Test Dates:</b> 2/20/2023 - 4/24/2023	<b>EUT Type:</b> Head Mounted Device	Page 134 of 154

### 7.7.6 CDD Radiated Restricted Band Edge Measurements §15.205 §15.209; RSS-Gen [8.9]

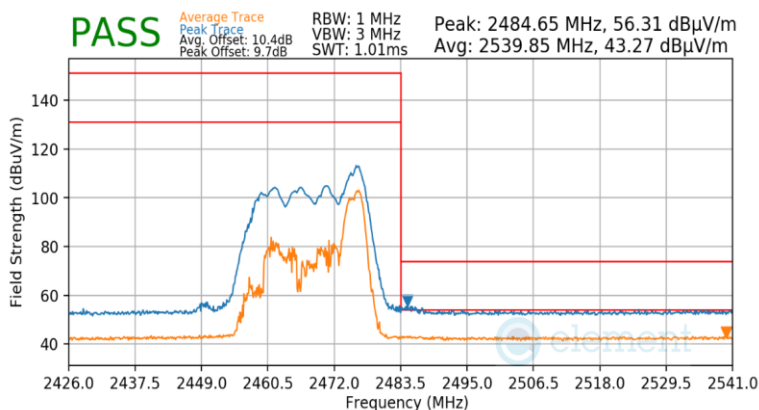
The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

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)**

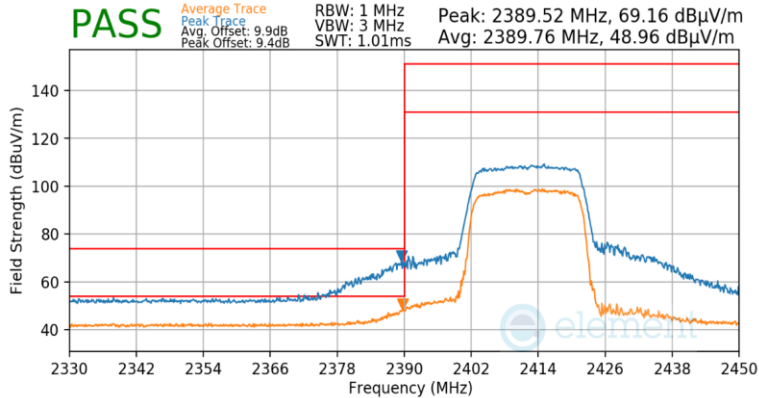
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	8
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



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

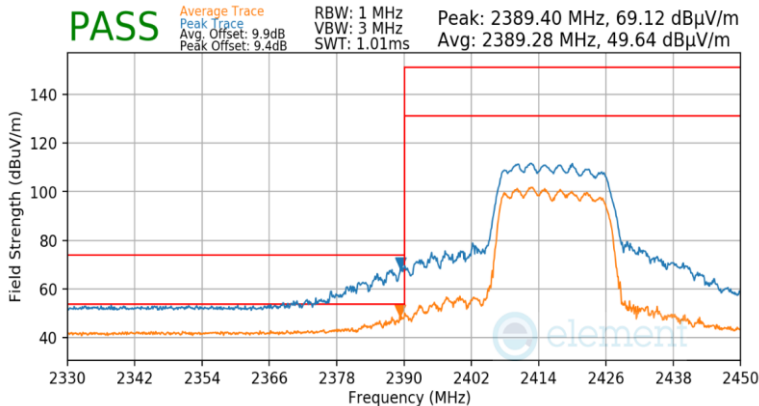
FCC ID: BCGA2117 IC: 579C-A2117		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2302130007-04.BCG	Test Dates: 2/20/2023 - 4/24/2023	EUT Type: Head Mounted Device	Page 135 of 154

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 7-181. 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: 2417MHz  
 Channel: 2

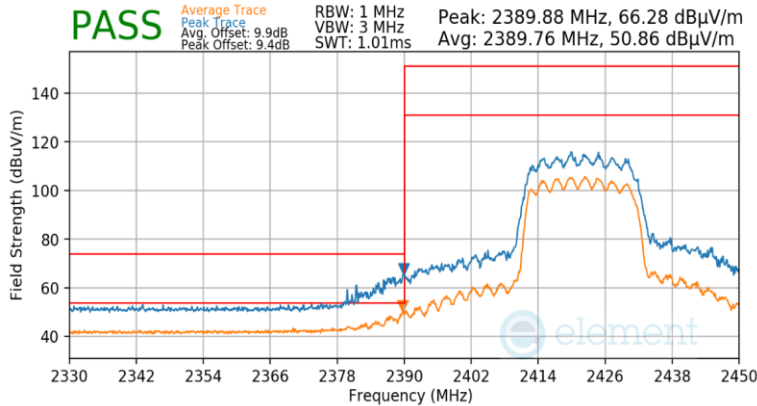


**Plot 7-182. Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)**

FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2302130007-04.BCG	<b>Test Dates:</b> 2/20/2023 - 4/24/2023	<b>EUT Type:</b> Head Mounted Device	Page 136 of 154

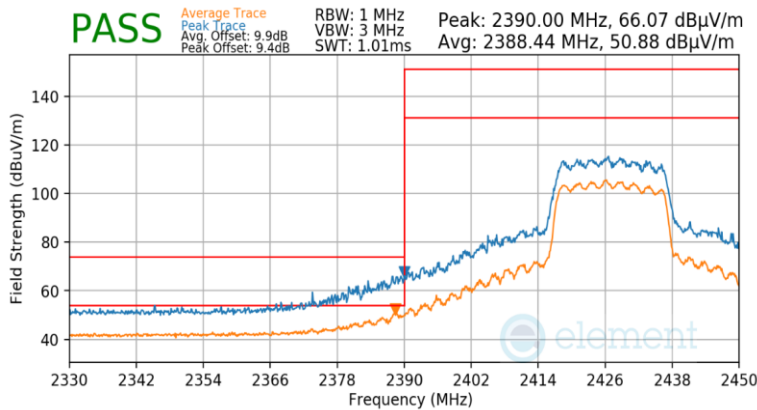


Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2422MHz  
 Channel: 3




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

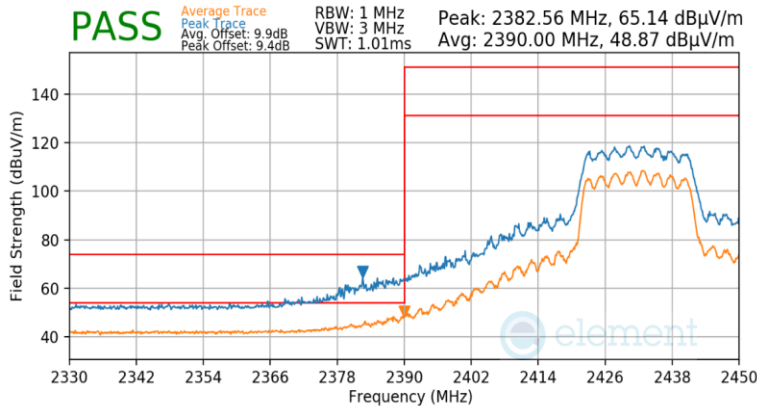
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2427MHz  
 Channel: 4



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

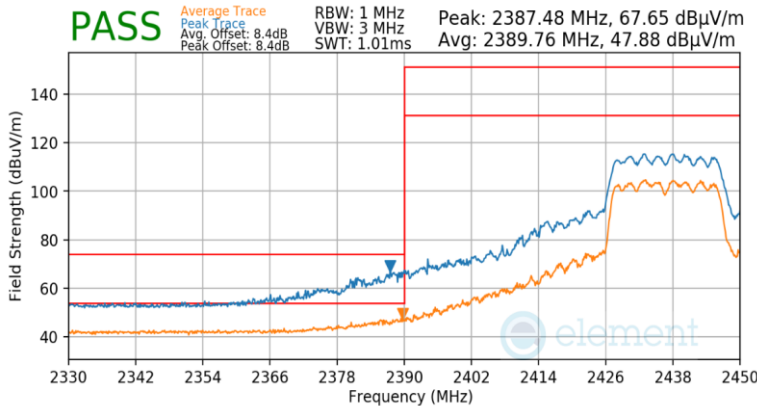
FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
Test Report S/N: 1C2302130007-04.BCG	Test Dates: 2/20/2023 - 4/24/2023	EUT Type: Head Mounted Device	Page 137 of 154

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

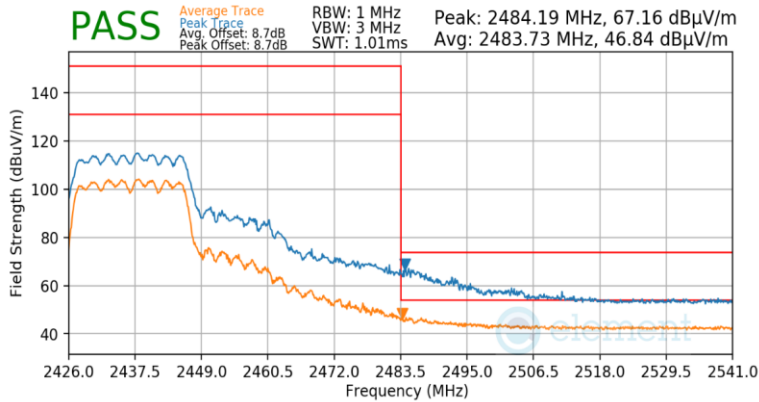
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 6(low)



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

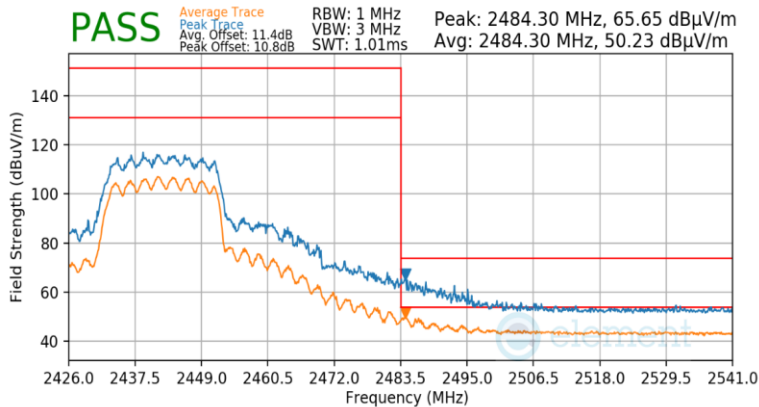
FCC ID: BCGA2117 IC: 579C-A2117		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2302130007-04.BCG	Test Dates: 2/20/2023 - 4/24/2023	EUT Type: Head Mounted Device	Page 138 of 154

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




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

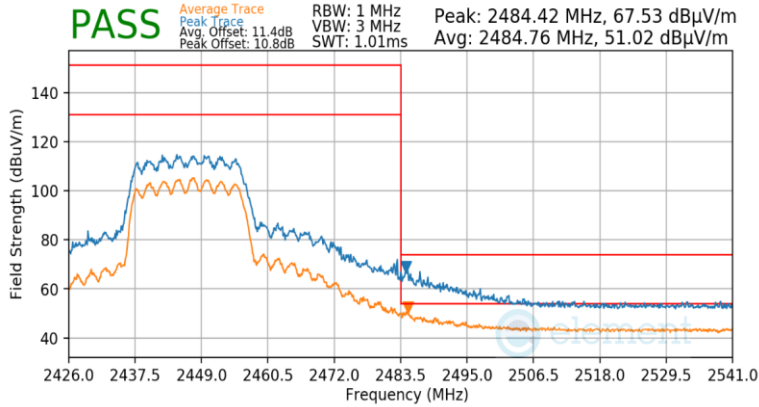
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2442MHz  
 Channel: 7



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

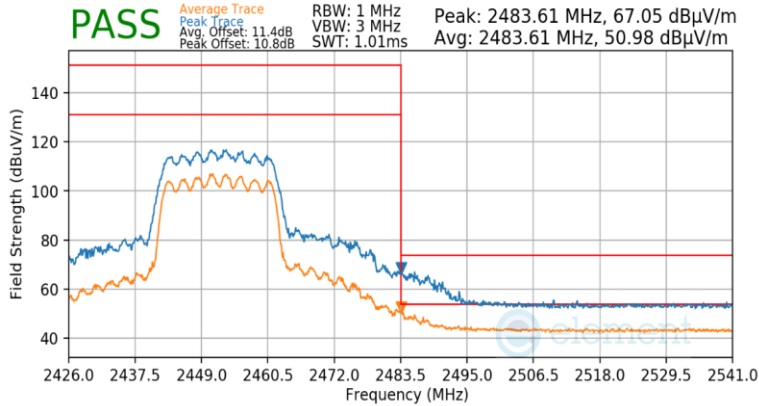
FCC ID: BCGA2117 IC: 579C-A2117		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2302130007-04.BCG	Test Dates: 2/20/2023 - 4/24/2023	EUT Type: Head Mounted Device	Page 139 of 154

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

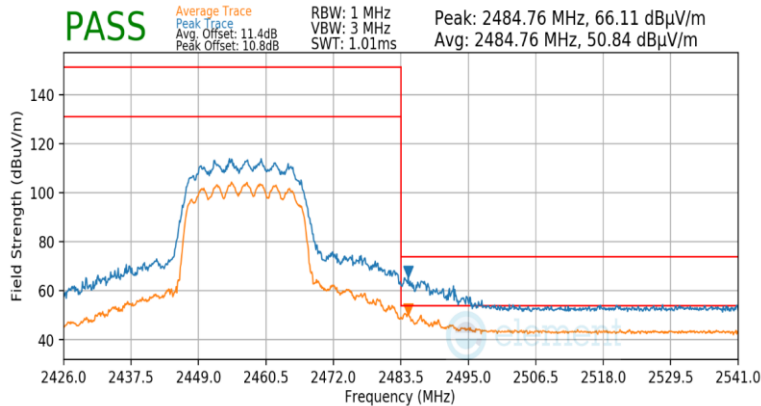
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2452MHz  
 Channel: 9



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

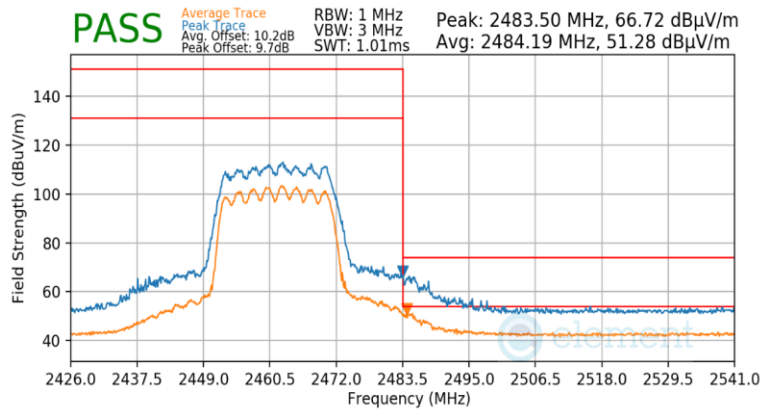
FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2302130007-04.BCG	<b>Test Dates:</b> 2/20/2023 - 4/24/2023	<b>EUT Type:</b> Head Mounted Device	Page 140 of 154

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

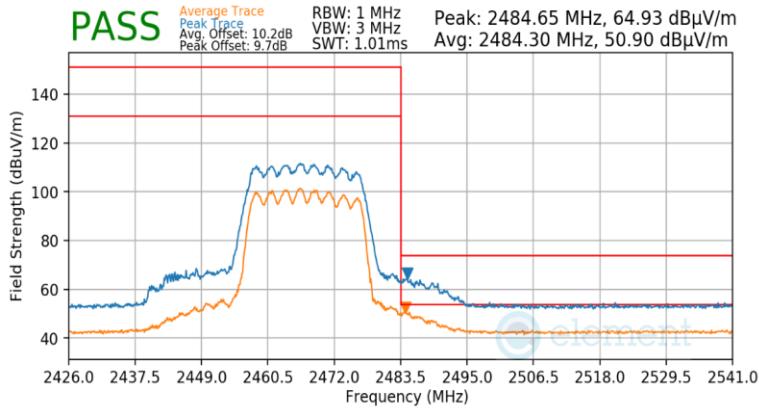
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS9  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11




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

FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2302130007-04.BCG	<b>Test Dates:</b> 2/20/2023 - 4/24/2023	<b>EUT Type:</b> Head Mounted Device	Page 141 of 154

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

FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2302130007-04.BCG	<b>Test Dates:</b> 2/20/2023 - 4/24/2023	<b>EUT Type:</b> Head Mounted Device	Page 142 of 154

## 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 [ $\mu\text{V/m}$ ]	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 7-38. 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

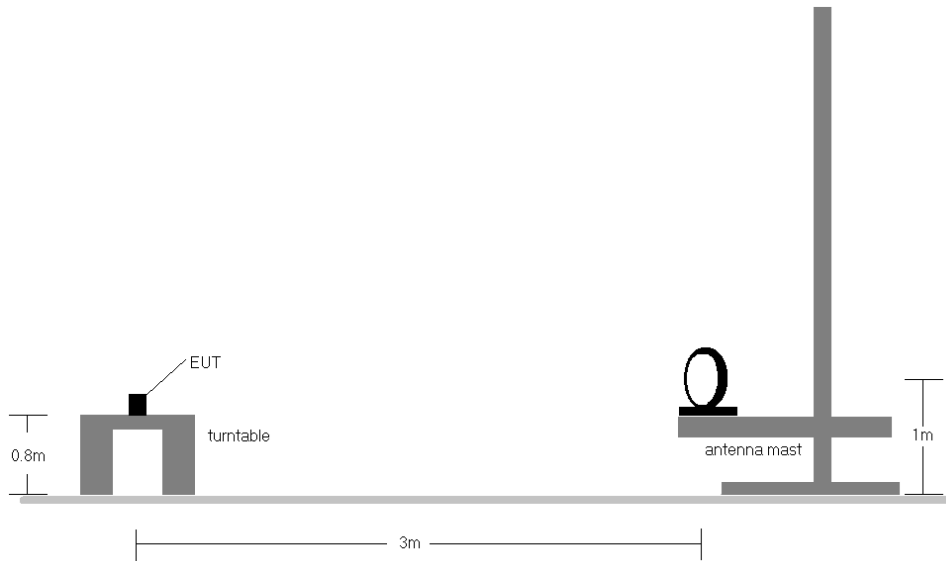
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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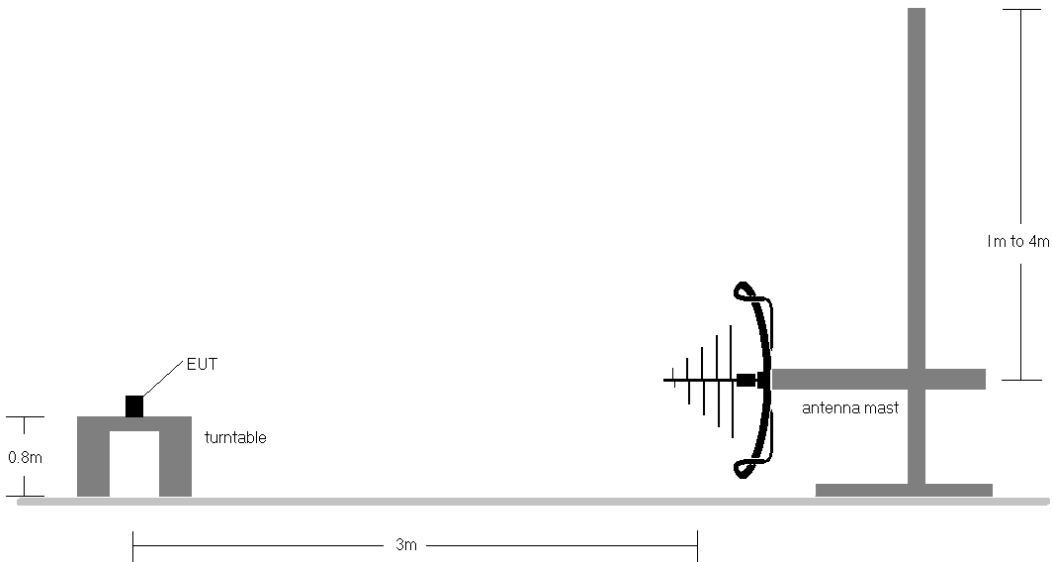
V 10.5 12/15/2021

**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. 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 to USB-C Power Pack to Magnetic Charging Cable
  - b. EUT powered by host PC via USB-C Power Pack to Magnetic Charging Cable

**Sample Calculations**

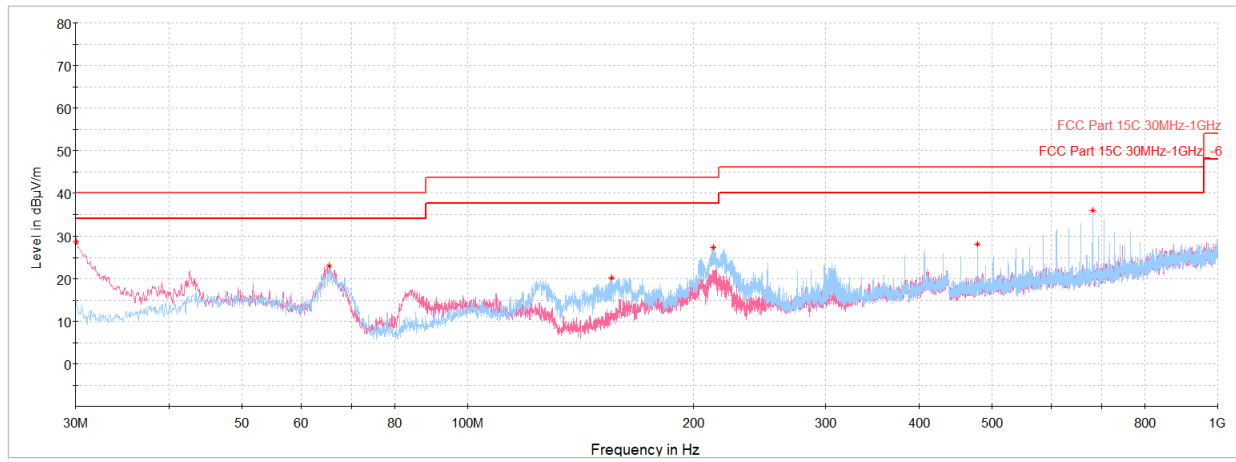
**Determining Spurious Emissions Levels**

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

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<b>Test Report S/N:</b> 1C2302130007-04.BCG	<b>Test Dates:</b> 2/20/2023 - 4/24/2023	<b>EUT Type:</b> Head Mounted Device
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## CDD Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

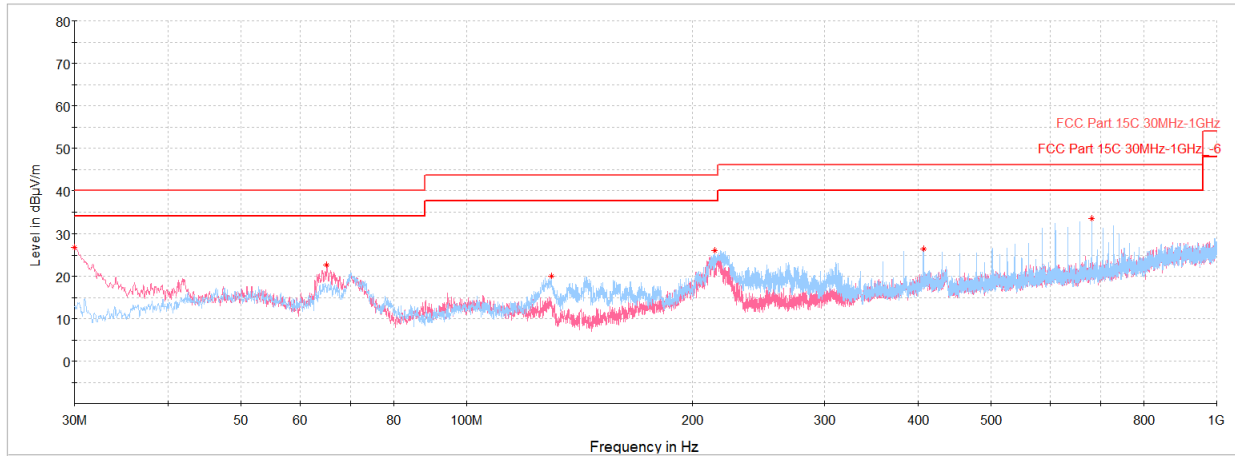


Plot 7-194. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC Adapter

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]
30.05	Max-Peak	V	100	103	-62.55	-15.84	28.61	40.00	-11.39
65.41	Max-Peak	V	100	249	-69.66	-14.33	23.01	40.00	-16.99
155.28	Max-Peak	H	200	229	-70.79	-15.97	20.24	43.52	-23.28
212.17	Max-Peak	H	100	260	-66.68	-12.95	27.37	43.52	-16.15
477.85	Max-Peak	H	200	264	-72.97	-5.93	28.10	46.02	-17.92
680.87	Max-Peak	H	100	287	-68.30	-2.77	35.93	46.02	-10.09

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

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**Plot 7-195. 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]
30.00	Max-Peak	V	100	335	-64.40	-15.83	26.77	40.00	-13.23
65.16	Max-Peak	V	100	335	-70.18	-14.24	22.58	40.00	-17.42
129.81	Max-Peak	H	300	152	-71.05	-15.95	20.00	43.52	-23.52
214.11	Max-Peak	H	200	282	-68.10	-12.88	26.02	43.52	-17.50
406.12	Max-Peak	H	100	178	-73.40	-7.16	26.44	46.02	-19.58
680.87	Max-Peak	H	100	0	-70.74	-2.77	33.49	46.02	-12.53

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

FCC ID: BCGA2117 IC: 579C-A2117		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> 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 7-41. Conducted Limits**

\*Decreases with the logarithm of the frequency.

### Test Procedures Used

ANSI C63.10-2013, 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.

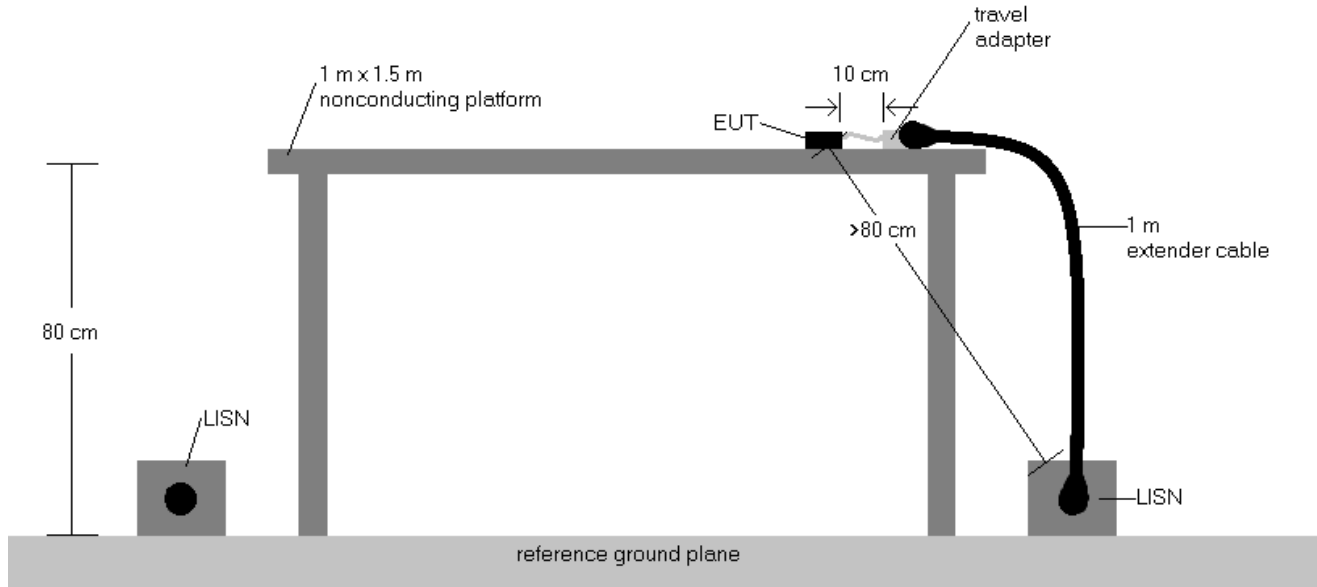


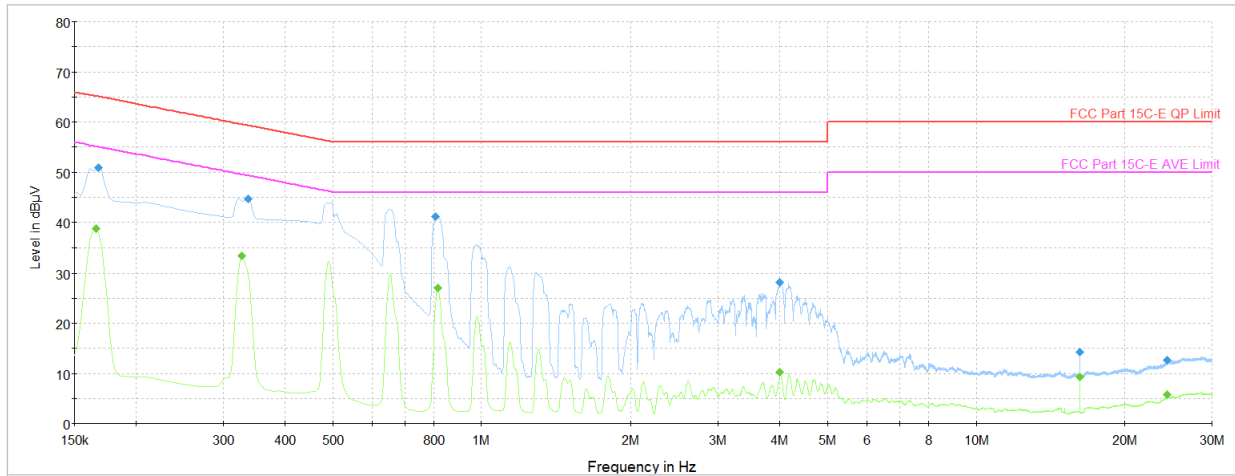
Figure 7-9. Test Instrument & Measurement Setup

## 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 to USB-C Power Pack to Magnetic Charging Cable
  - b. EUT powered by host PC via USB-C Power Pack to Magnetic Charging Cable
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.

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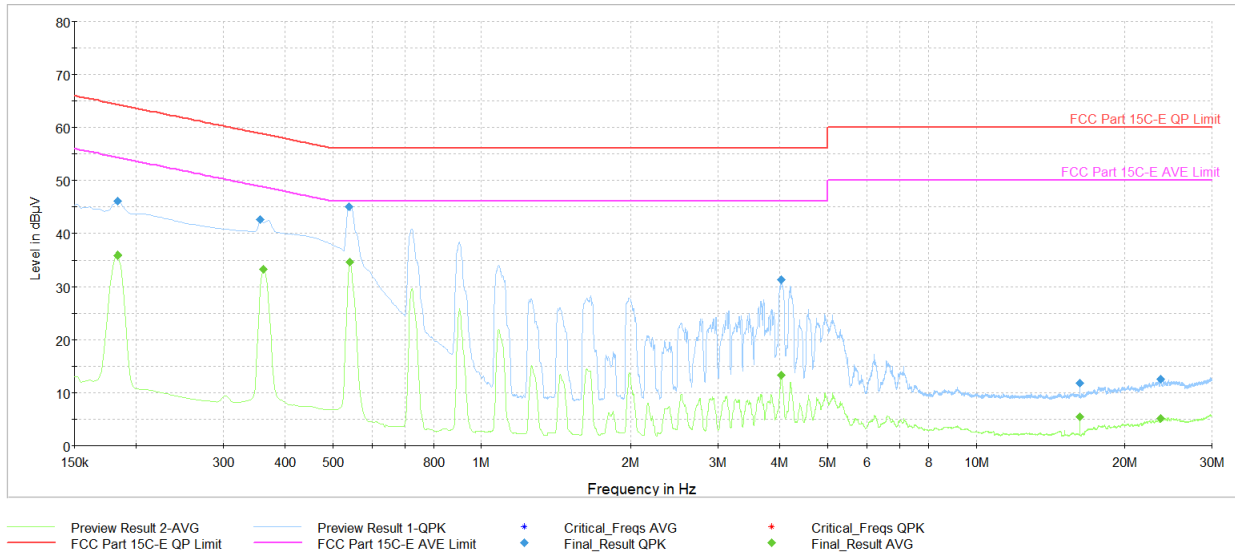
— Preview Result 2-AVG     — Preview Result 1-QPK     ◆ Critical\_Freqs AVG Final\_Result QPK     ◆ Critical\_Freqs QPK Final\_Result AVG  
— FCC Part 15C-E QP Limit     — FCC Part 15C-E AVE Limit

**Plot 7-196. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 (L1, with AC/DC Adapter)**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	38.80	55.17	-16.37	L1	GND
0.168	FINAL	50.8	—	65.06	-14.26	L1	GND
0.328	FINAL	—	33.45	49.51	-16.06	L1	GND
0.337	FINAL	44.7	—	59.28	-14.61	L1	GND
0.807	FINAL	41.1	—	56.00	-14.88	L1	GND
0.816	FINAL	—	27.00	46.00	-19.00	L1	GND
4.002	FINAL	28.1	—	56.00	-27.86	L1	GND
4.002	FINAL	—	10.22	46.00	-35.78	L1	GND
16.222	FINAL	14.2	—	60.00	-45.84	L1	GND
16.222	FINAL	—	9.31	50.00	-40.69	L1	GND
24.331	FINAL	12.6	—	60.00	-47.41	L1	GND
24.333	FINAL	—	5.81	50.00	-44.19	L1	GND

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


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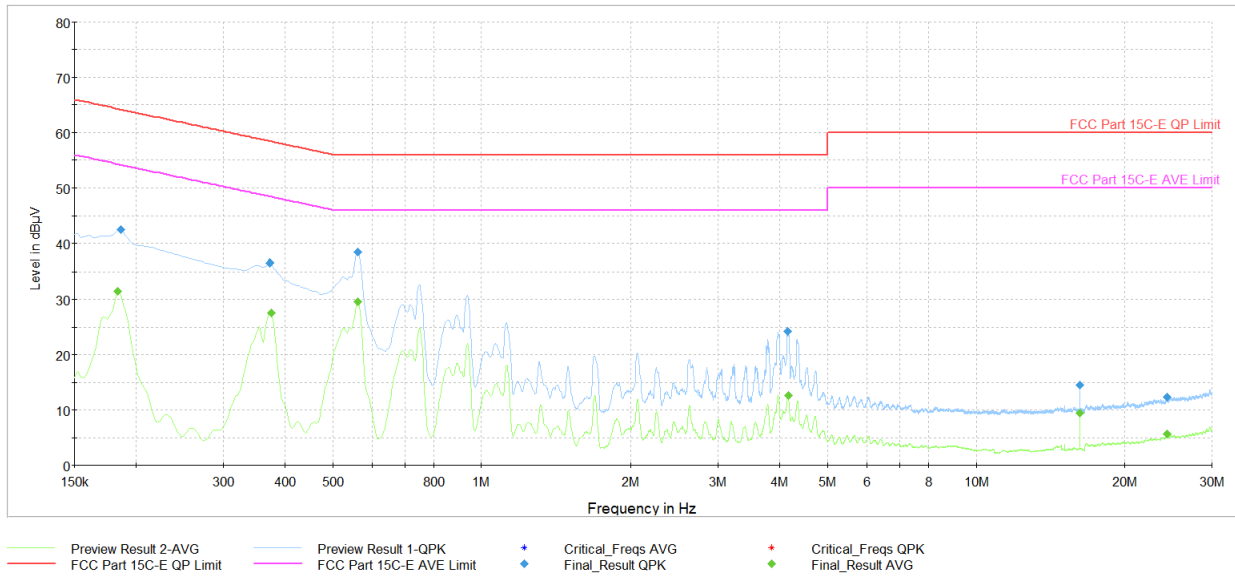


**Plot 7-197. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 (N, with AC/DC Adapter)**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.184	FINAL	—	35.93	54.31	-18.39	N	GND
0.184	FINAL	46.0	—	64.31	-18.28	N	GND
0.357	FINAL	42.6	—	58.80	-16.24	N	GND
0.362	FINAL	—	33.35	48.69	-15.34	N	GND
0.539	FINAL	45.0	—	56.00	-11.00	N	GND
0.542	FINAL	—	34.64	46.00	-11.36	N	GND
4.025	FINAL	31.3	—	56.00	-24.67	N	GND
4.025	FINAL	—	13.34	46.00	-32.66	N	GND
16.224	FINAL	11.8	—	60.00	-48.20	N	GND
16.226	FINAL	—	5.49	50.00	-44.51	N	GND
23.620	FINAL	12.5	—	60.00	-47.47	N	GND
23.622	FINAL	—	5.17	50.00	-44.83	N	GND

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

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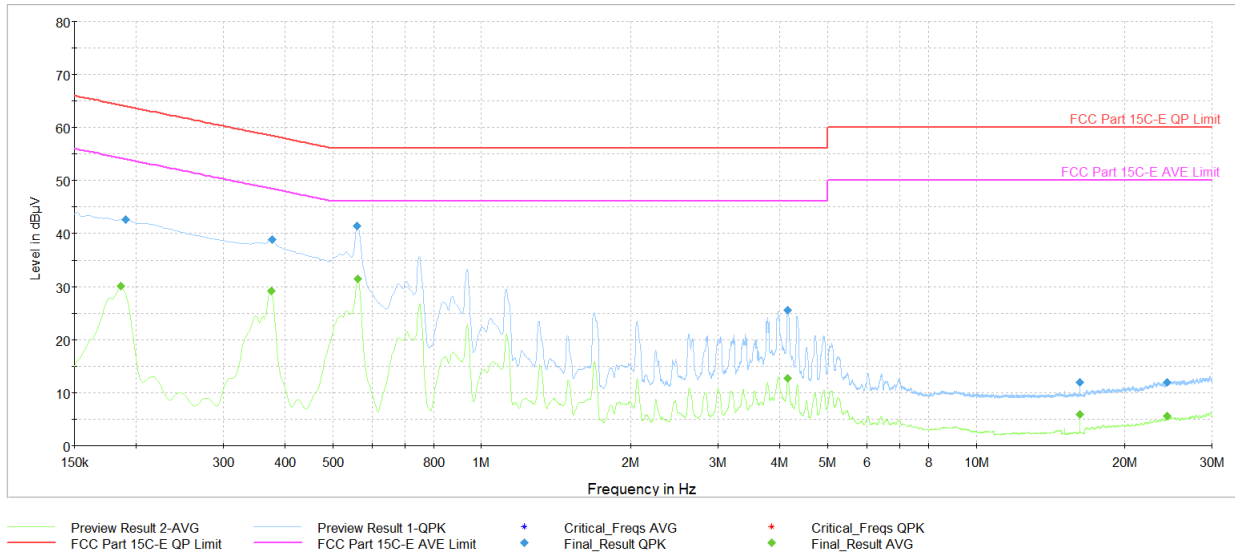
**Plot 7-198. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 (L1, with AC/DC Adapter)**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.184	FINAL	—	31.42	54.31	-22.89	L1	GND
0.186	FINAL	42.4	—	64.21	-21.78	L1	GND
0.373	FINAL	36.5	—	58.44	-21.98	L1	GND
0.375	FINAL	—	27.58	48.39	-20.81	L1	GND
0.562	FINAL	—	29.51	46.00	-16.49	L1	GND
0.562	FINAL	38.4	—	56.00	-17.61	L1	GND
4.146	FINAL	24.2	—	56.00	-31.81	L1	GND
4.162	FINAL	—	12.57	46.00	-33.43	L1	GND
16.211	FINAL	14.5	—	60.00	-45.49	L1	GND
16.211	FINAL	—	9.42	50.00	-40.58	L1	GND
24.315	FINAL	—	5.72	50.00	-44.28	L1	GND
24.315	FINAL	12.4	—	60.00	-47.64	L1	GND

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

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**Plot 7-199. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 (N, with AC/DC Adapter)**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.186	FINAL	—	30.09	54.21	-24.13	N	GND
0.191	FINAL	42.6	—	64.02	-21.40	N	GND
0.375	FINAL	—	29.22	48.39	-19.17	N	GND
0.377	FINAL	38.7	—	58.34	-19.60	N	GND
0.560	FINAL	41.4	—	56.00	-14.56	N	GND
0.562	FINAL	—	31.54	46.00	-14.46	N	GND
4.146	FINAL	25.7	—	56.00	-30.32	N	GND
4.157	FINAL	—	12.74	46.00	-33.26	N	GND
16.217	FINAL	12.0	—	60.00	-48.00	N	GND
16.217	FINAL	—	5.94	50.00	-44.06	N	GND
24.324	FINAL	12.0	—	60.00	-47.97	N	GND
24.326	FINAL	—	5.57	50.00	-44.43	N	GND

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

FCC ID: BCGA2117 IC: 579C-A2117		MEASUREMENT REPORT (CERTIFICATION)	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 Head Mounted Device FCC ID: BCGA2117, IC: 579C-A2117** 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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