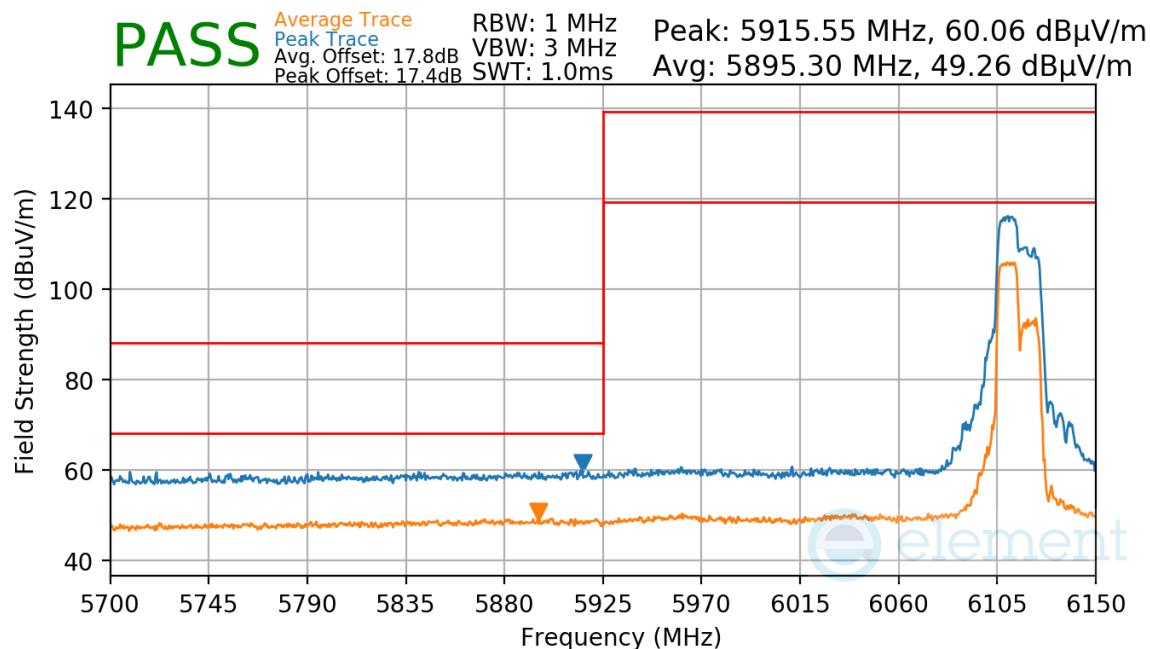


### 7.7.11 Antenna 1b Radiated Band Edge Measurements (20MHz BW)

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

**RU106**

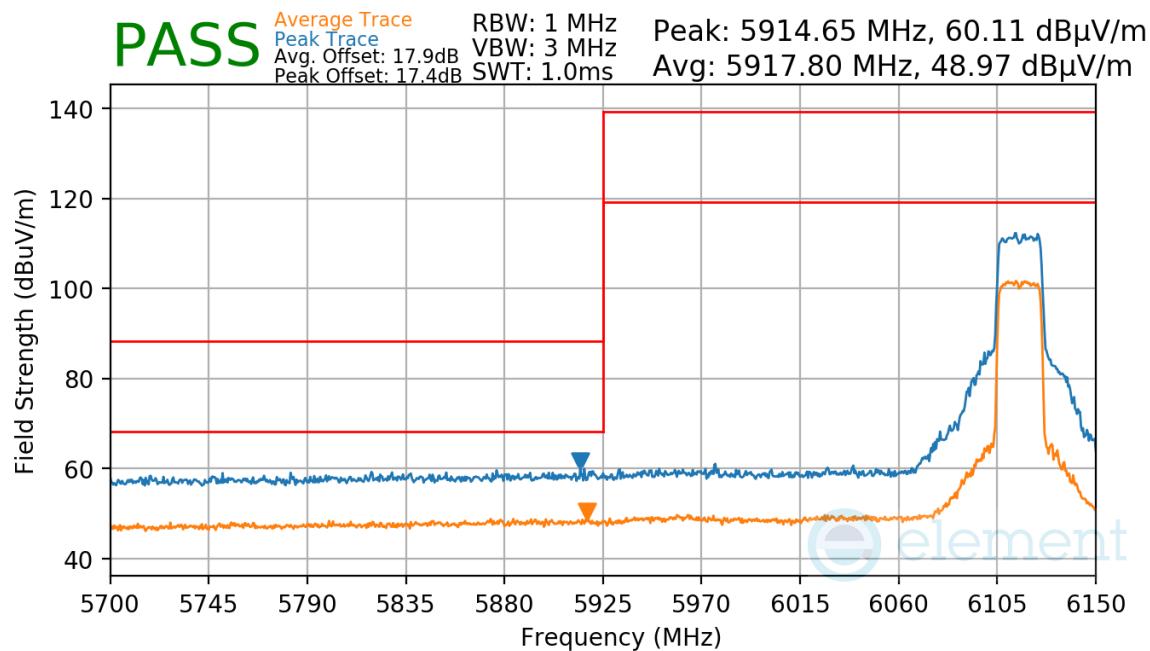
Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 53  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6115MHz  
 Channel: 33



FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 170 of 209

**RU242**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6115MHz  
 Channel: 33



Plot 7-301 Antenna 1b Radiated Lower Band Edge (Peak & Average – UNII Band 5)

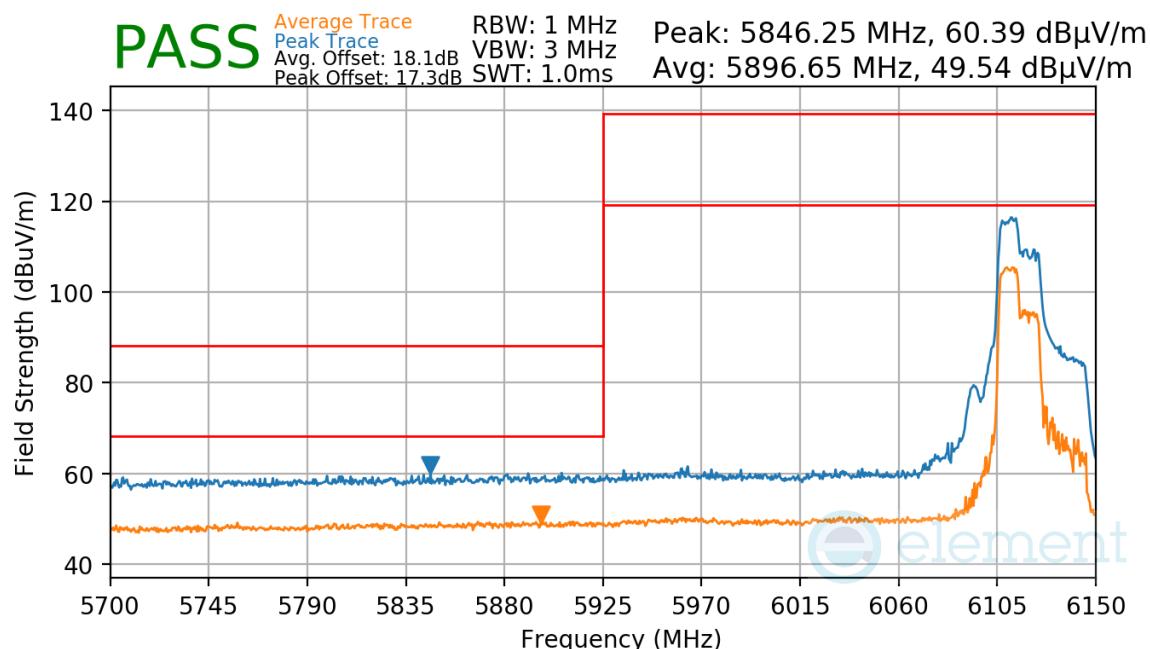
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 171 of 209

### 7.7.12 Antenna 1b Radiated Band Edge Measurements (40MHz BW)

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

**RU106**

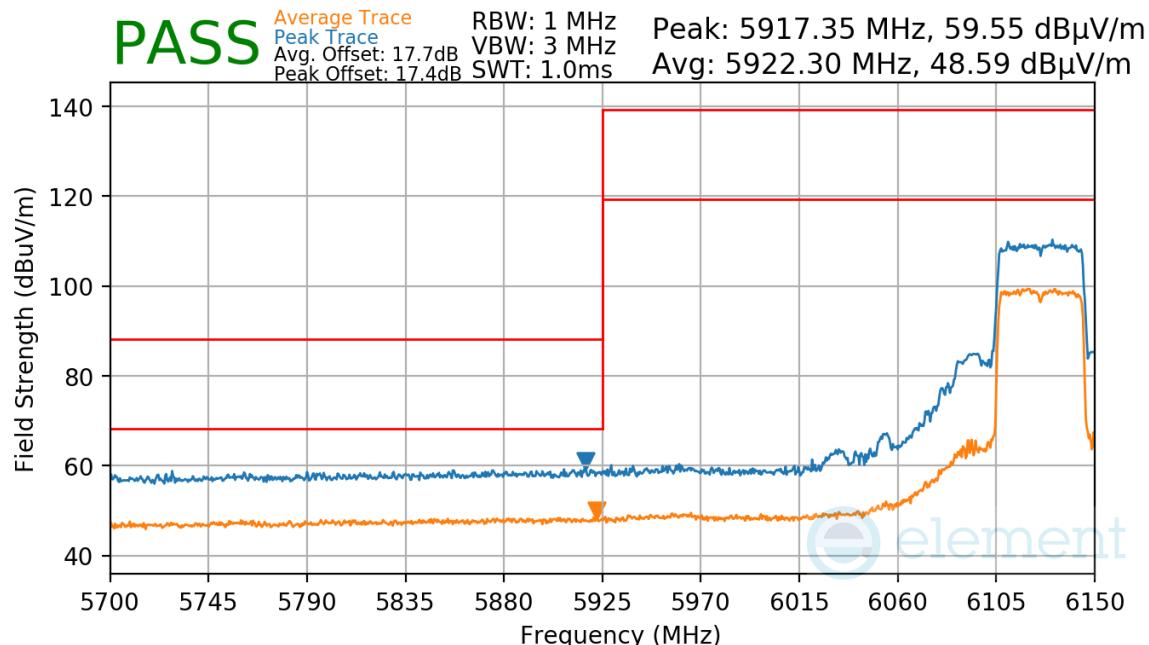
Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6125MHz
Channel:	35



FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 172 of 209	

**RU484**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6125MHz  
 Channel: 35



Plot 7-303 Antenna 1b Radiated Lower Band Edge (Peak & Average – UNII Band 5)

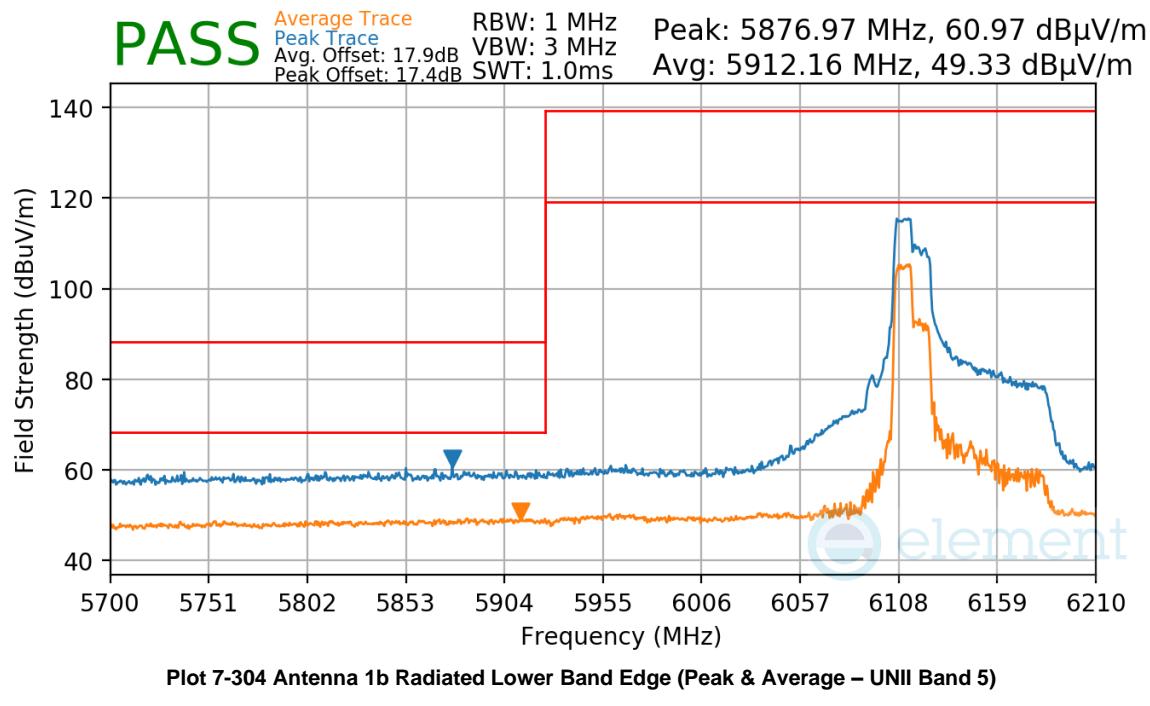
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 173 of 209	

### 7.7.13 Antenna 1b Radiated Band Edge Measurements (80MHz BW)

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

**RU106**

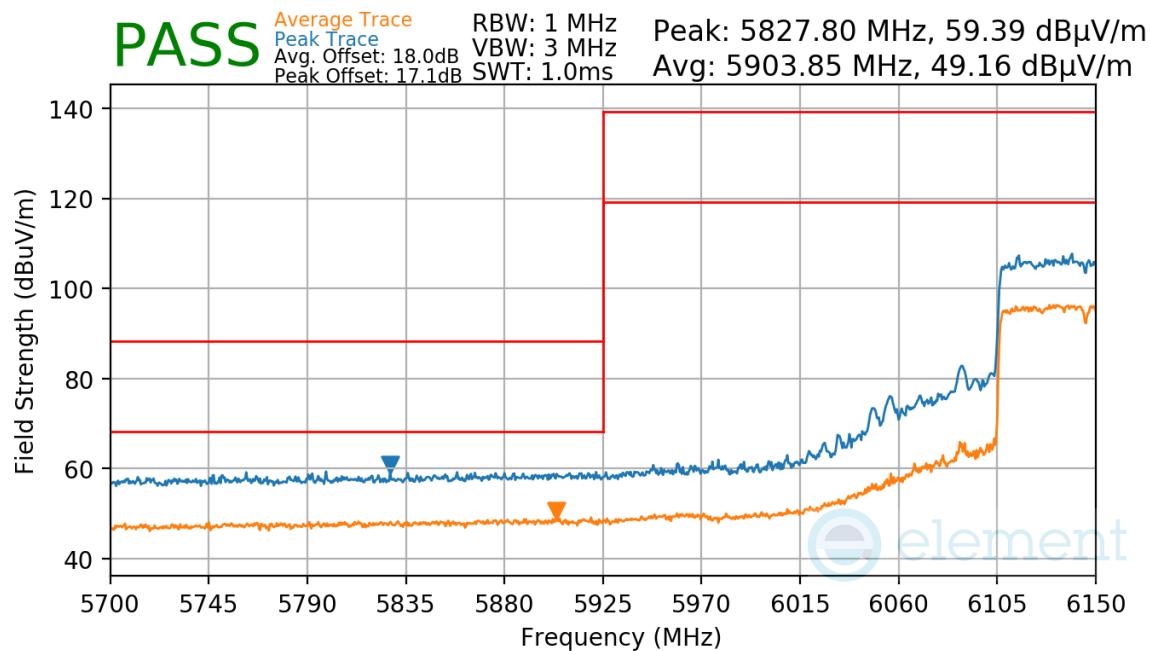
Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	39



FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 174 of 209	

**RU996**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6145MHz  
 Channel: 39



Plot 7-305 Antenna 1b Radiated Lower Band Edge (Peak &amp; Average – UNII Band 5)

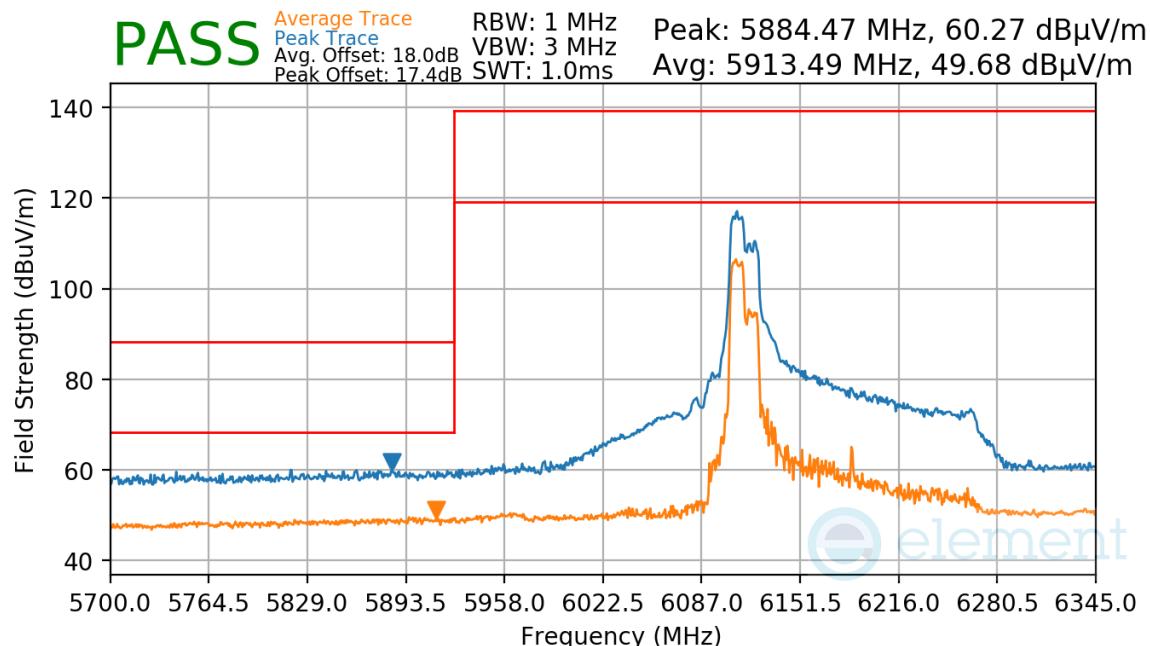
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 175 of 209

### 7.7.14 Antenna 1b Radiated Band Edge Measurements (160MHz BW)

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

**RU106**

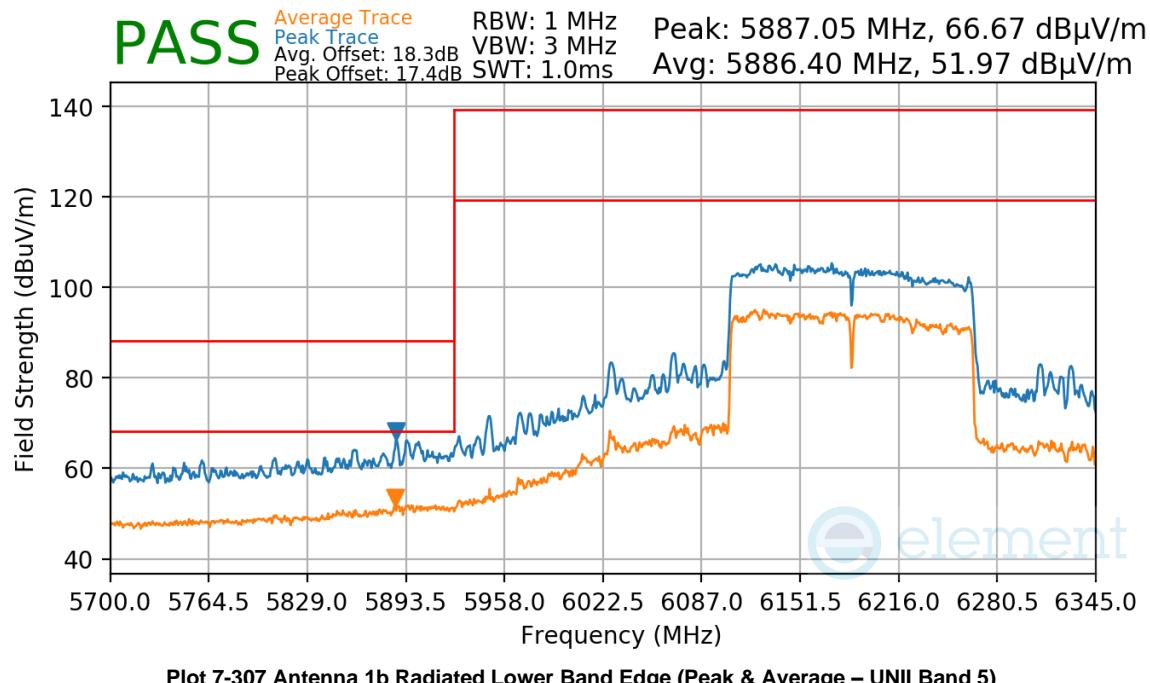
Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	47



FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 176 of 209

**RU996x2**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 68  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6145MHz  
 Channel: 47



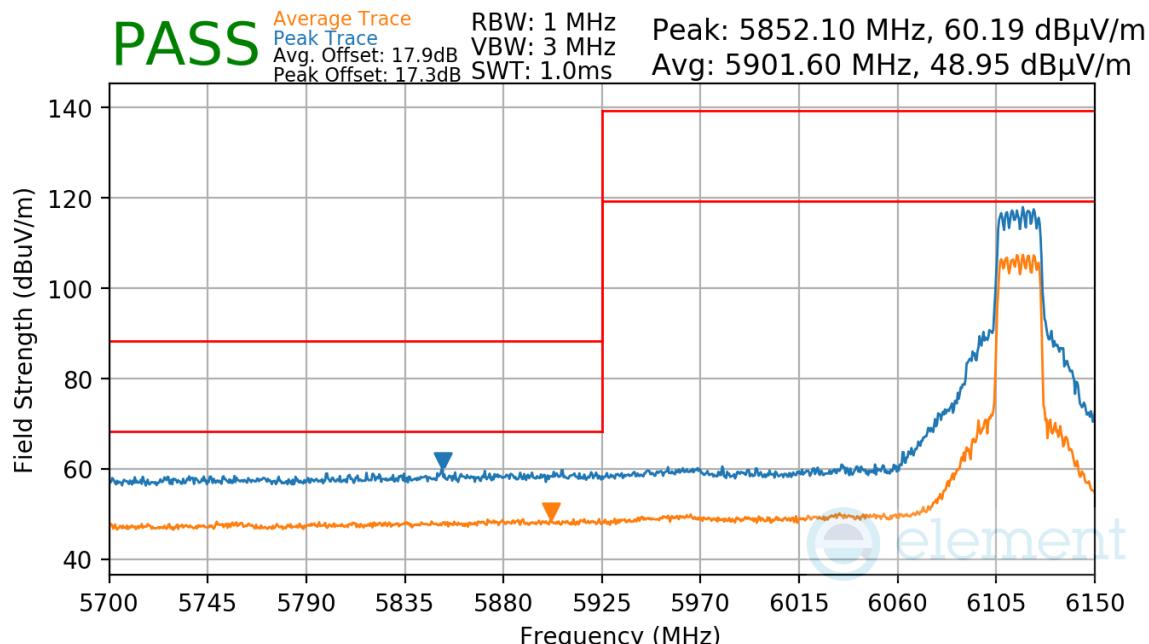
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 177 of 209

### 7.7.15 SDM Primary Radiated Band Edge Measurements (20MHz BW)

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

**RU242**

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6115MHz
Channel:	33



Plot 7-308 SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5)

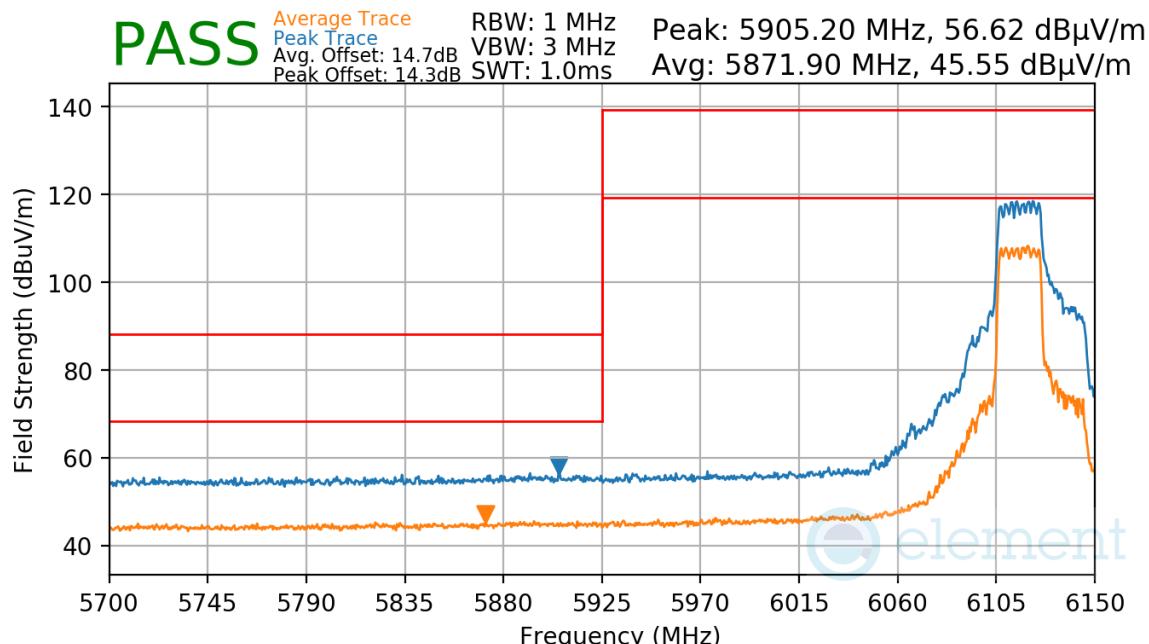
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 178 of 209	

## 7.7.16 SDM Primary Radiated Band Edge Measurements (40MHz BW)

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

**RU242**

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6125MHz
Channel:	35

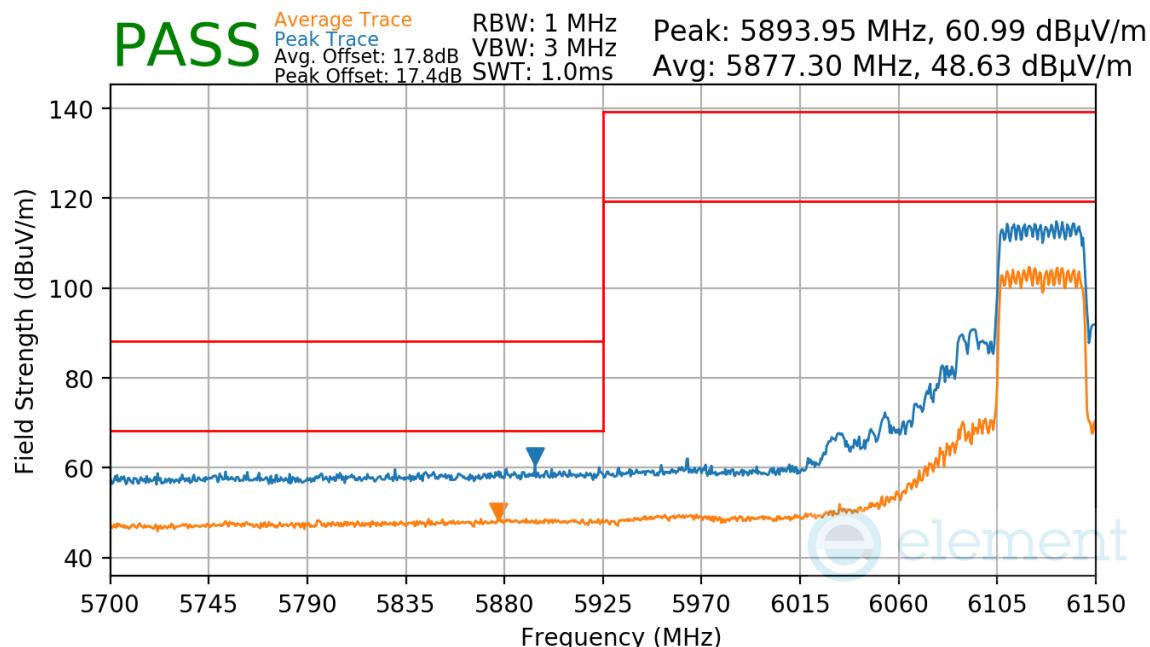


Plot 7-309 SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 179 of 209	

**RU484**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6125MHz  
 Channel: 35



Plot 7-310 SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5)

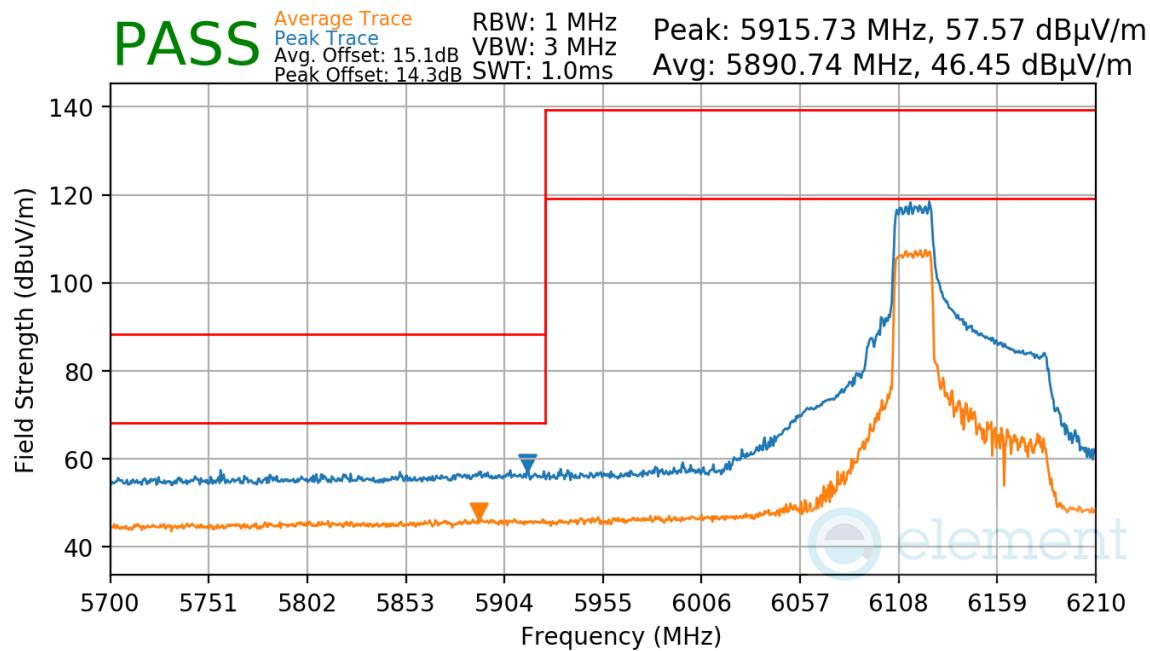
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 180 of 209

### 7.7.17 SDM Primary Radiated Band Edge Measurements (80MHz BW)

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

**RU242**

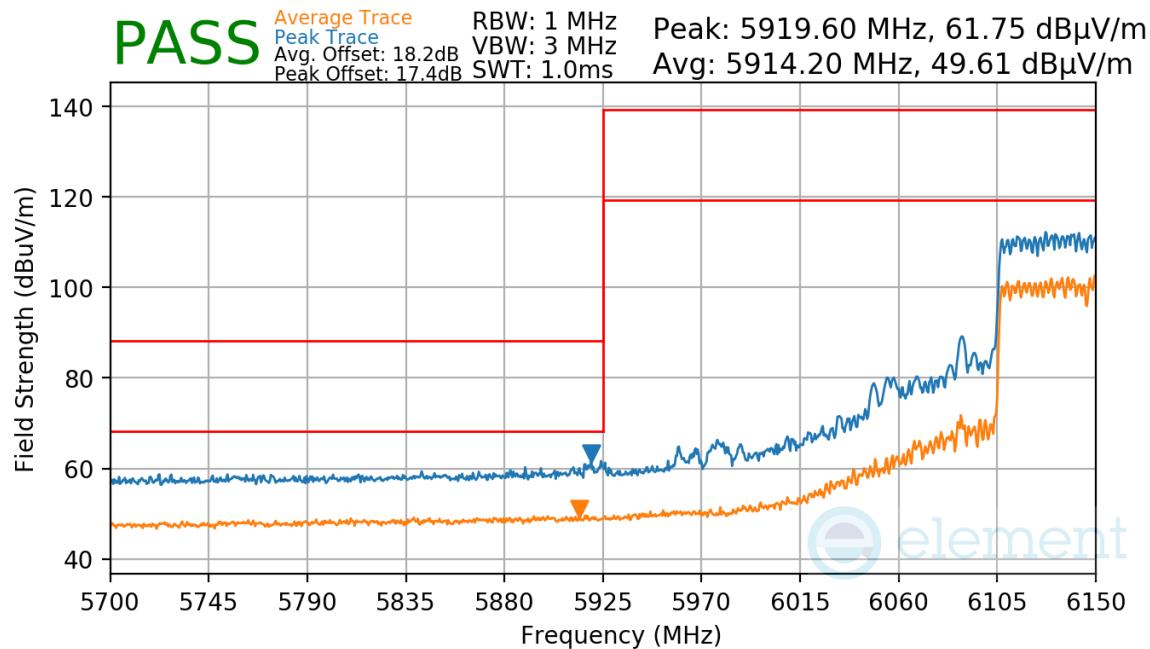
Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	39



FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 181 of 209	

**RU996**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6145MHz  
 Channel: 39



Plot 7-312 SDM Primary Radiated Lower Band Edge (Peak &amp; Average – UNII Band 5)

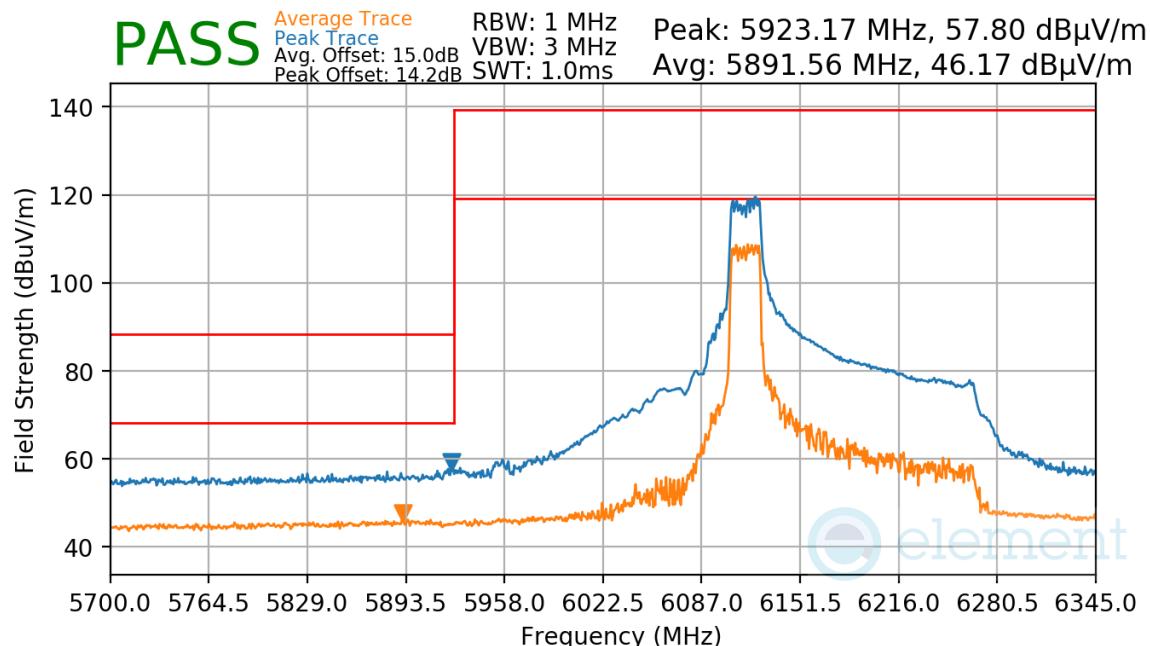
FCC ID: BCGA3269 IC: 579C-A3269	 element <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 182 of 209

## 7.7.18 SDM Primary Radiated Band Edge Measurements (160MHz BW)

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

**RU242**

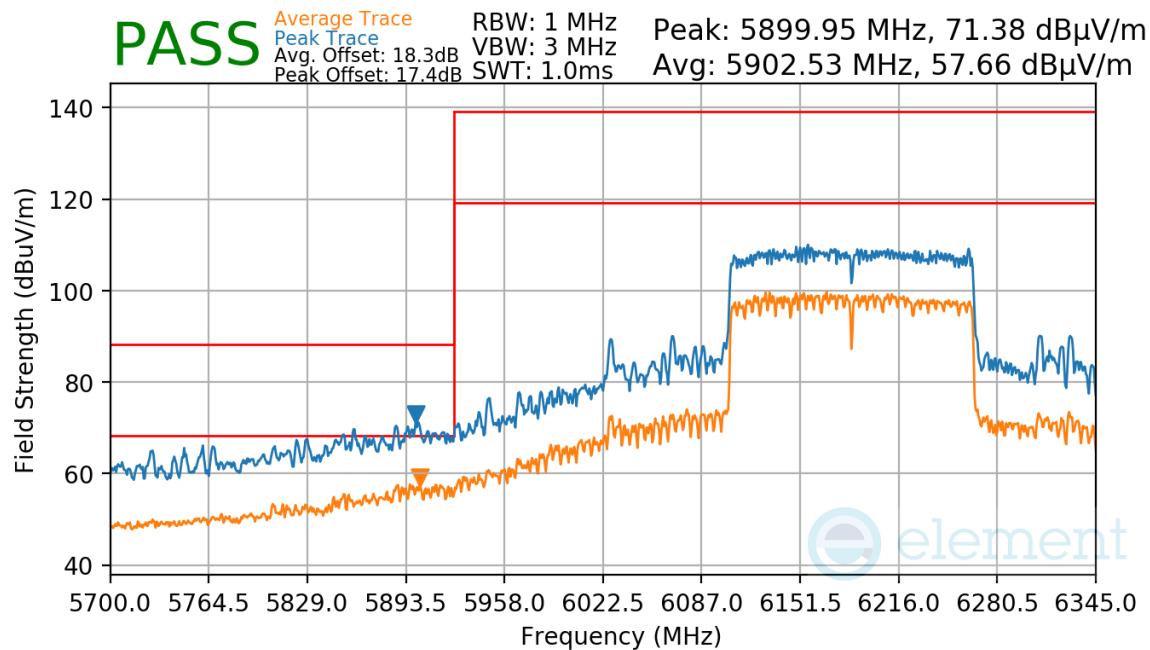
Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6185MHz
Channel:	47



FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 183 of 209

**RU996x2**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 68  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6185MHz  
 Channel: 47



**Plot 7-314 SDM Primary Radiated Lower Band Edge (Peak & Average – UNII Band 5)**

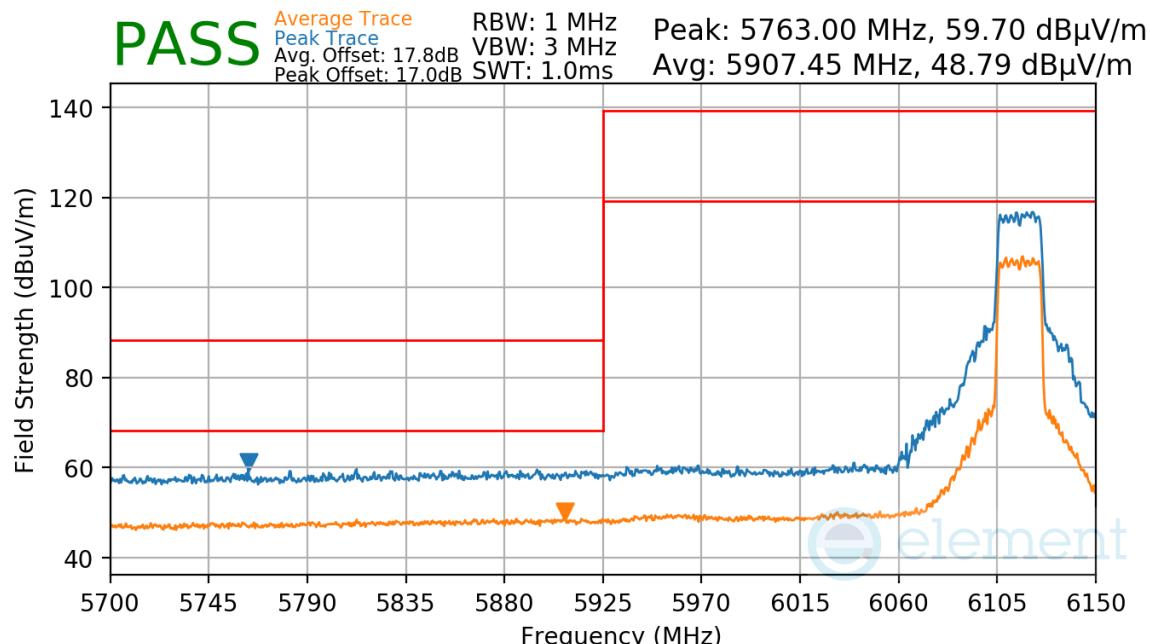
FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 184 of 209

### 7.7.19 SDM Diversity Radiated Band Edge Measurements (20MHz BW)

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

**RU242**

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6115MHz
Channel:	33



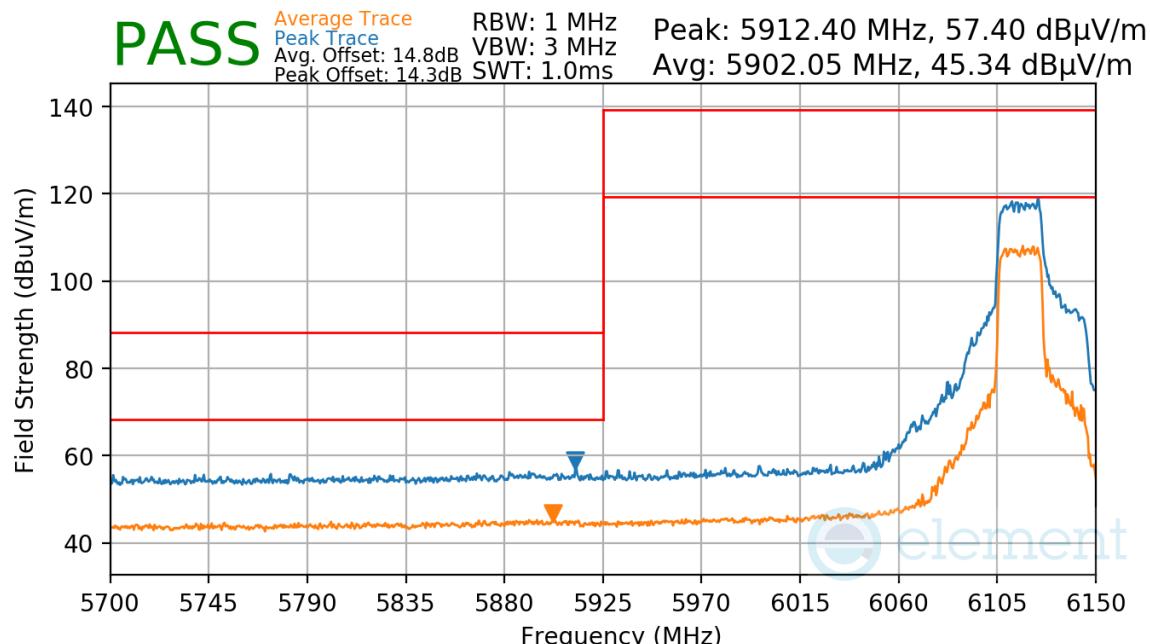
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 185 of 209	

## 7.7.20 SDM Diversity Radiated Band Edge Measurements (40MHz BW)

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

**RU242**

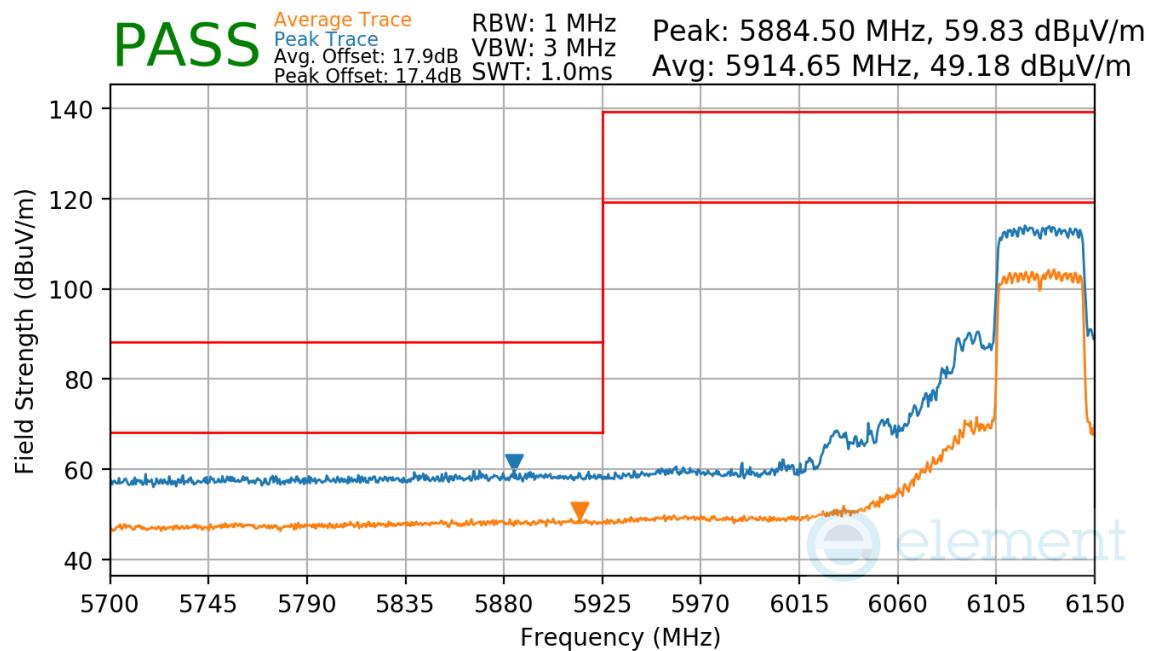
Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6125MHz
Channel:	35



FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 186 of 209	

**RU484**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6125MHz  
 Channel: 35



Plot 7-317 SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5)

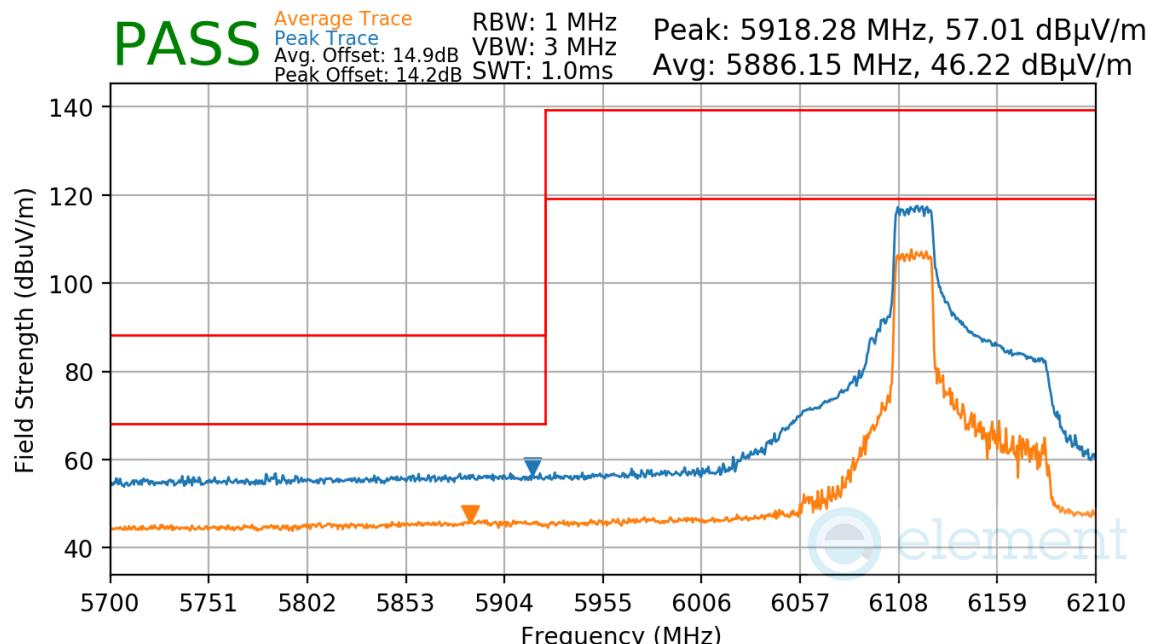
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 187 of 209	

### 7.7.21 SDM Diversity Radiated Band Edge Measurements (80MHz BW)

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

**RU242**

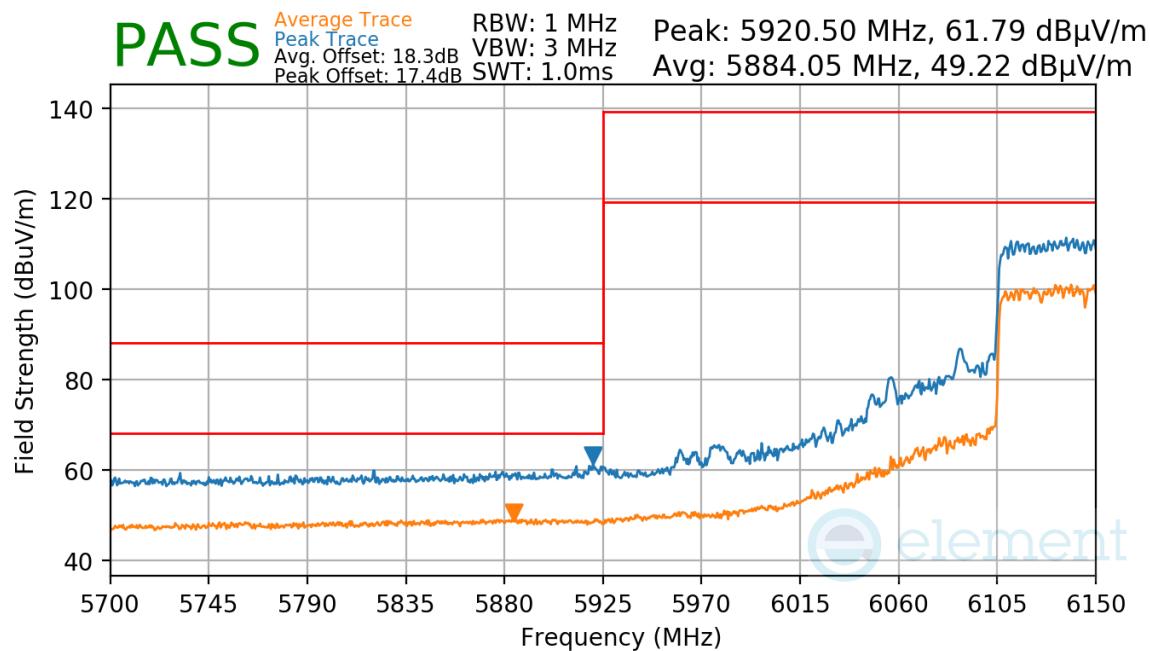
Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6145MHz
Channel:	39



FCC ID: BCGA3269 IC: 579C-A3269	element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 188 of 209

**RU996**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6145MHz  
 Channel: 39



Plot 7-319 SDM Diversity Radiated Lower Band Edge (Peak &amp; Average – UNII Band 5)

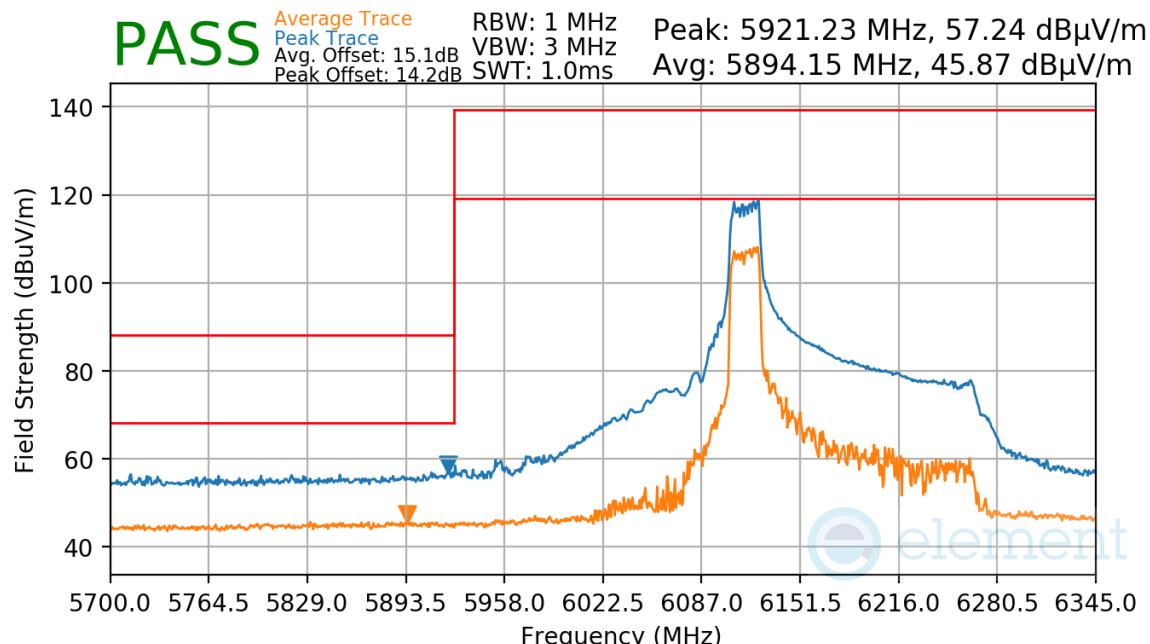
FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 189 of 209	

## 7.7.22 SDM Diversity Radiated Band Edge Measurements (160MHz BW)

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

**RU242**

Mode:	802.11ax OFDMA
Transfer Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	6185MHz
Channel:	47

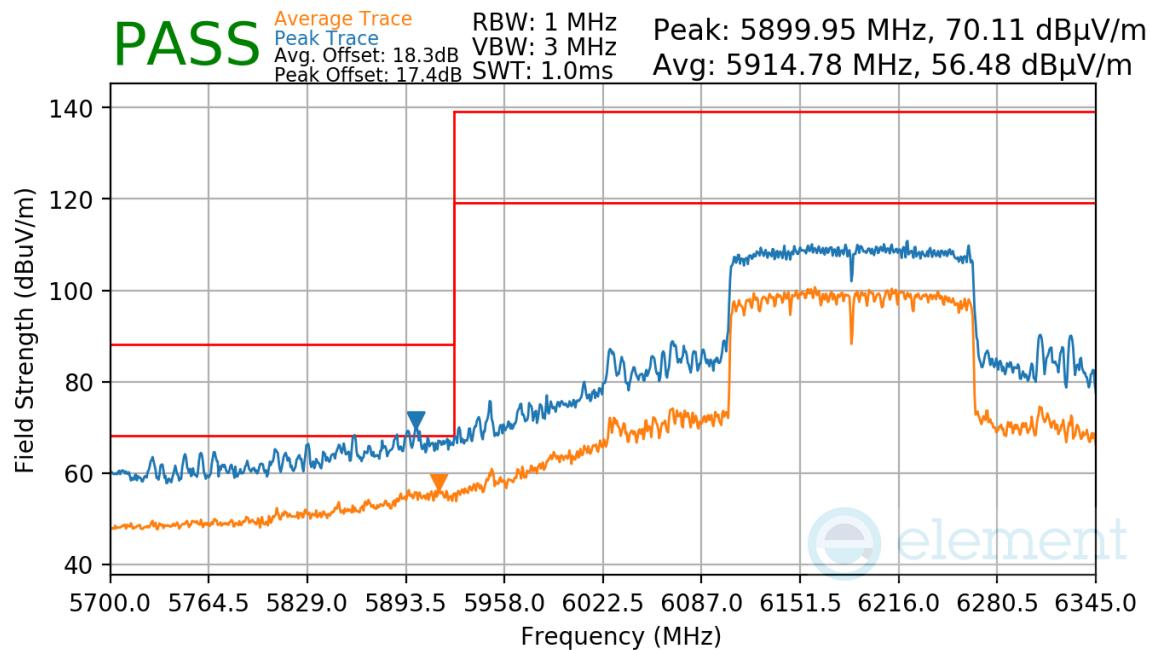


Plot 7-320 SDM Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 190 of 209

**RU996x2**

Mode: 802.11ax OFDMA  
 Transfer Rate: MCS11  
 RU Index: 68  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 6185MHz  
 Channel: 47



FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 191 of 209

## 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 must not exceed the limits shown in Table 7-95 per Section 15.209 and RSS-Gen (8.9).***

Frequency	Field Strength [ $\mu$ 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 7-95. 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

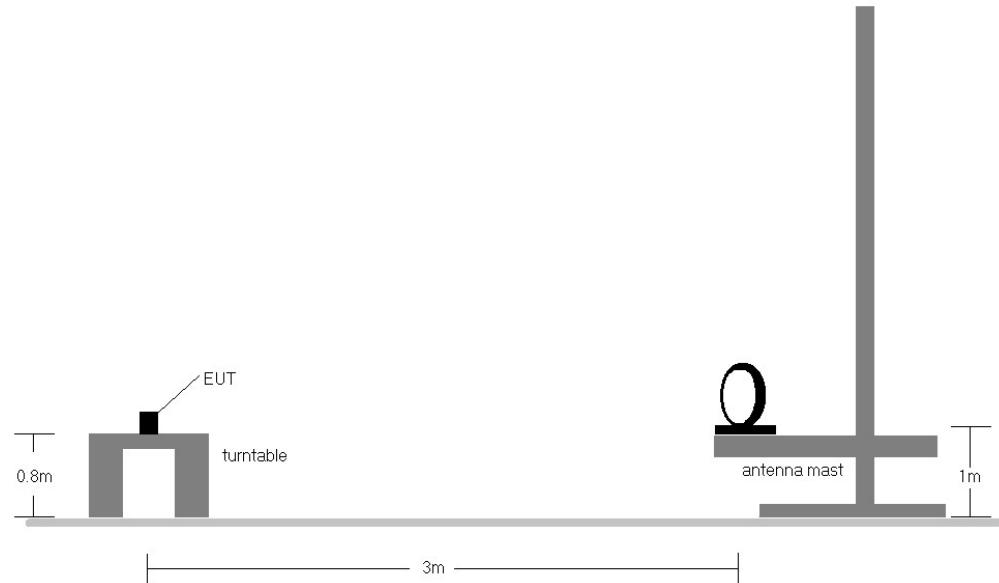
#### Peak Field Strength Measurements

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 = quasi-peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

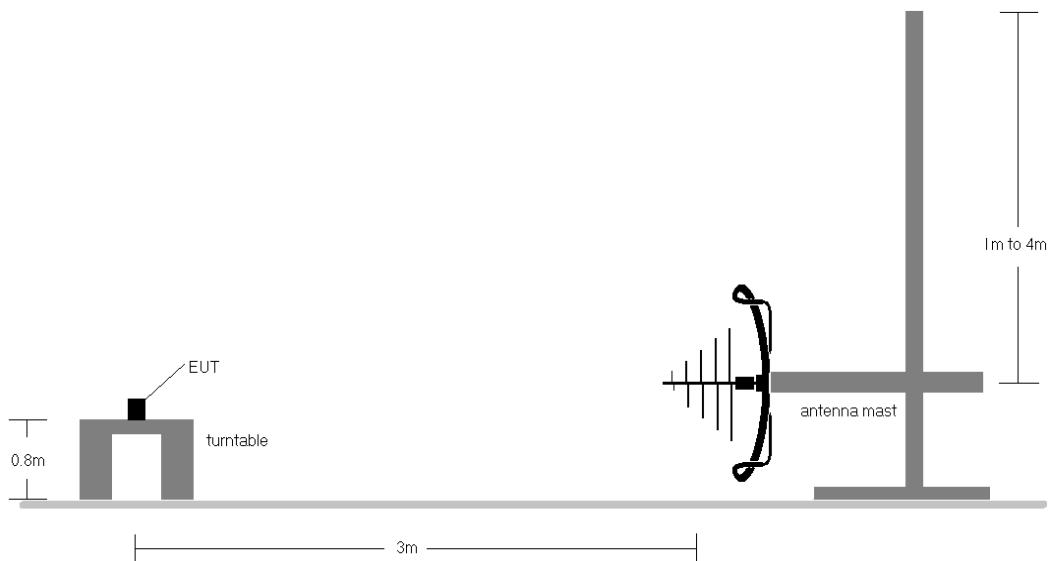
FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 192 of 209 V 10.6 10/27/2023

## Test Setup

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



**Figure 7-6. Radiated Test Setup < 30MHz**



**Figure 7-7. Radiated Test Setup < 1GHz**

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 193 of 209 V 10.6 10/27/2023

## 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 7-95.
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 on emissions that were 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. 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
10. All antenna configurations were investigated and only the worst case is reported.
11. The unit was tested with all possible modes and only the highest emission is reported.

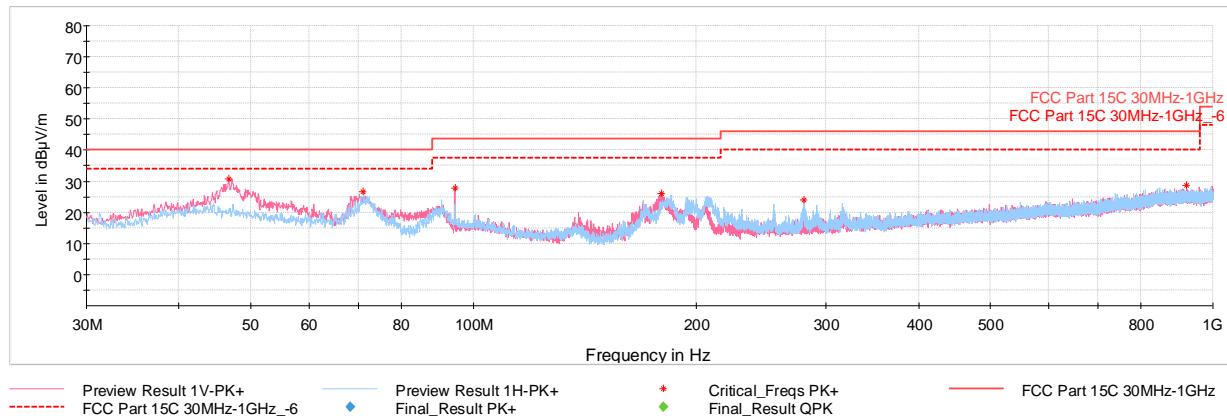
## Sample Calculations

### Determining Spurious Emissions Levels

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

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 194 of 209

### 7.8.1 SDM Primary Radiated Spurious Emissions Measurements (Below 1GHz) §15.209; RSS-Gen [8.9]

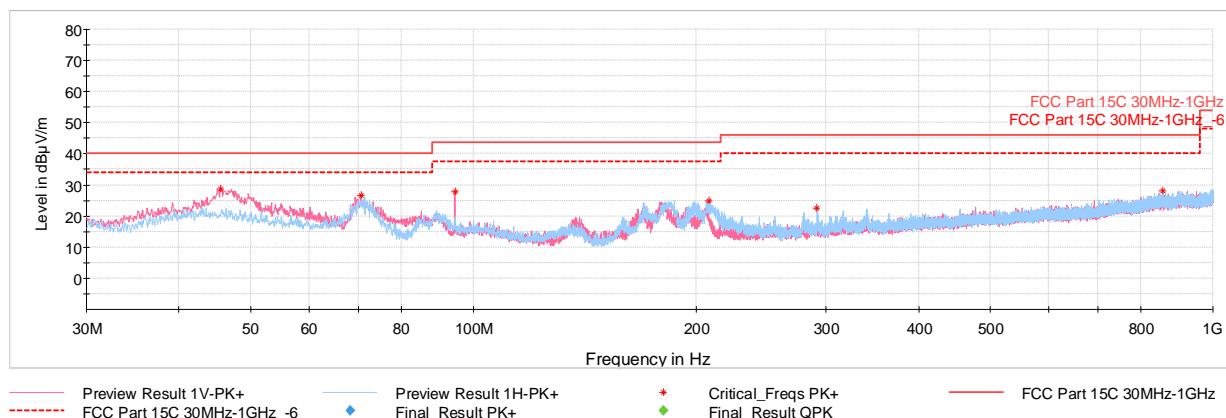


**Plot 7-322. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.61 – RU242) with AC/DC adaptor via USB-C cable with wire charger**

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]
46.73	Max Peak	V	100	145	-61.97	-14.39	30.64	40.00	-9.36
71.03	Max Peak	H	300	263	-60.86	-19.43	26.71	40.00	-13.29
94.46	Max Peak	V	100	230	-61.80	-17.48	27.72	43.52	-15.80
179.96	Max Peak	V	100	355	-63.09	-17.78	26.13	43.52	-17.39
279.92	Max Peak	H	100	98	-68.97	-13.87	24.16	46.02	-21.86
920.65	Max Peak	V	300	335	-76.92	-1.39	28.69	46.02	-17.33

**Table 7-96. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.61 – RU242) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 195 of 209



**Plot 7-323. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.149 – RU242) with AC/DC adaptor via USB-C cable with wire charger**

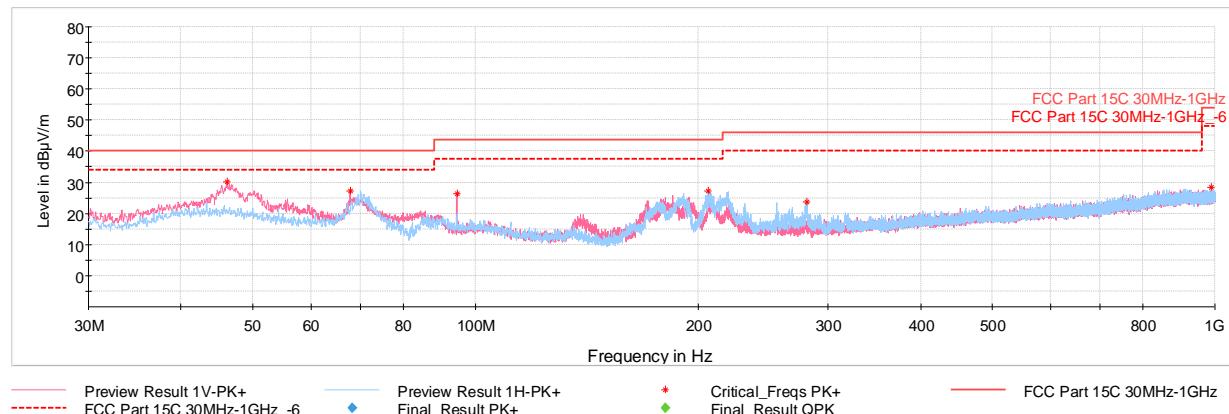
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
45.62	Max Peak	V	200	305	-63.75	-14.50	28.75	40.00	-11.25
70.50	Max Peak	V	100	41	-61.17	-19.24	26.59	40.00	-13.41
94.51	Max Peak	V	100	165	-61.76	-17.47	27.77	43.52	-15.75
208.38	Max Peak	H	100	167	-65.67	-16.41	24.92	43.52	-18.60
291.71	Max Peak	H	100	91	-70.84	-13.49	22.67	46.02	-23.35
855.33	Max Peak	H	200	344	-76.87	-1.98	28.15	46.02	-17.87

**Table 7-97. Radiated Spurious Emissions below 1GHz SDM Primary (802.11ax – Ch.149 – RU242) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 196 of 209

## 7.8.2 SDM Diversity Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

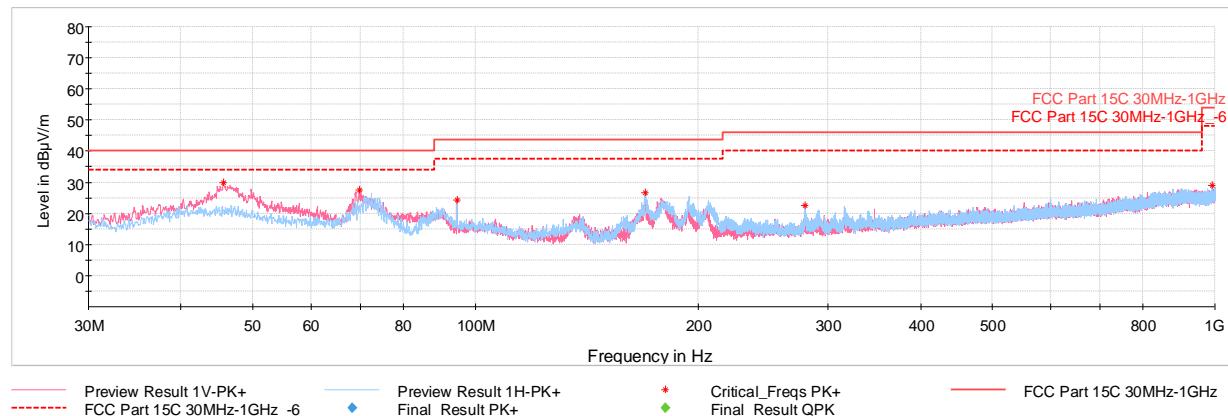


**Plot 7-324. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.61 – RU242) with AC/DC adaptor via USB-C cable with wire charger**

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]
46.20	Max Peak	V	100	319	-62.36	-14.45	30.19	40.00	-9.81
67.73	Max Peak	V	100	44	-61.36	-18.31	27.33	40.00	-12.67
94.46	Max Peak	V	100	245	-63.05	-17.48	26.47	43.52	-17.05
206.49	Max Peak	H	100	229	-63.16	-16.46	27.38	43.52	-16.14
280.94	Max Peak	H	100	76	-69.36	-13.86	23.78	46.02	-22.24
988.65	Max Peak	H	100	258	-77.32	-1.29	28.39	53.98	-25.59

**Table 7-98. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.61 – RU242) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 197 of 209



**Plot 7-325. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.149 – RU242) with AC/DC adaptor via USB-C cable with wire charger**

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]
45.67	Max Peak	V	100	3	-62.66	-14.49	29.85	40.00	-10.15
69.67	Max Peak	V	100	17	-60.61	-18.97	27.42	40.00	-12.58
94.46	Max Peak	V	100	188	-65.23	-17.48	24.29	43.52	-19.23
170.02	Max Peak	H	200	147	-61.96	-18.48	26.56	43.52	-16.96
279.29	Max Peak	H	100	106	-70.59	-13.88	22.53	46.02	-23.49
991.17	Max Peak	H	100	21	-76.88	-1.19	28.93	53.98	-25.05

**Table 7-99. Radiated Spurious Emissions below 1GHz SDM Diversity (802.11ax – Ch.149 – RU242) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 198 of 209	

## 7.9 AC Line-Conducted Emissions Measurement

§15.407; 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 7-100. Conducted Limits**

\*Decreases with the logarithm of the frequency.

### Test Procedures Used

ANSI C63.10-2020, 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

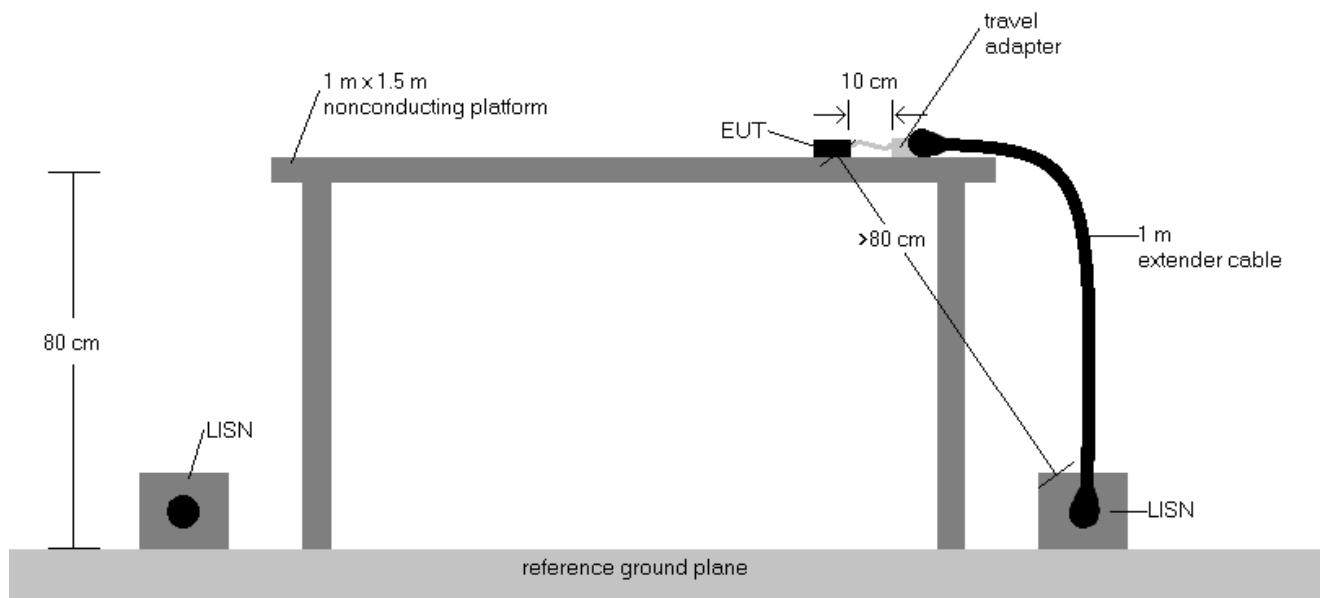
#### Average Measurements

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

FCC ID: BCGA3269 IC: 579C-A3269	element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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## Test Setup

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



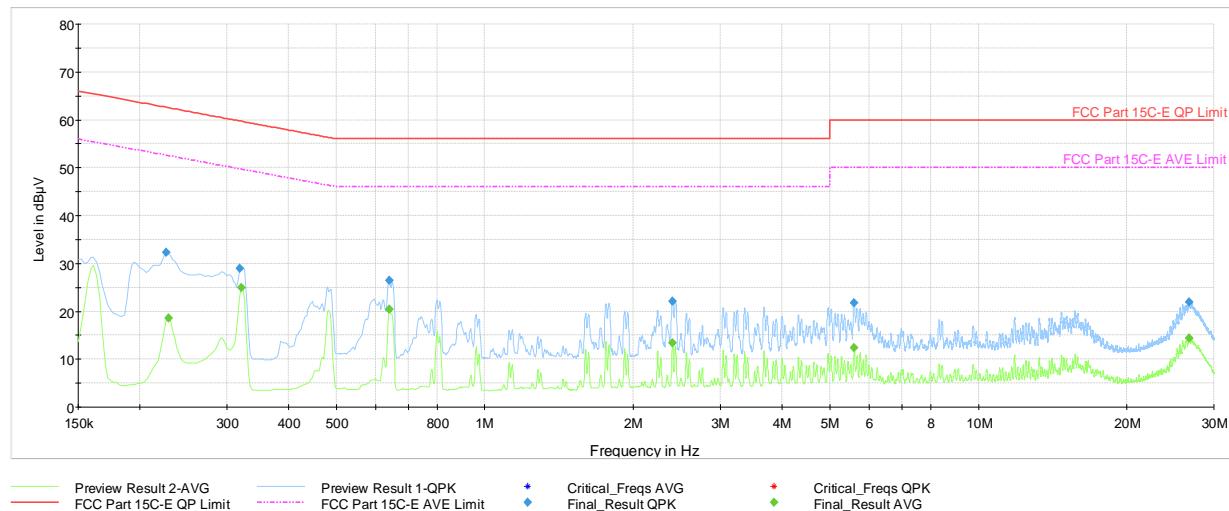
**Figure 7-8. Test Instrument & Measurement Setup**

## 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 15.207 and RSS-Gen (8.8).
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dB $\mu$ V) = QP/AV Analyzer/Receiver Level (dB $\mu$ V) + Correction Factor (dB)
6. Margin (dB) = QP/AV Level (dB $\mu$ V) - QP/AV Limit (dB $\mu$ V)
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.
9. The unit was tested with all possible modes and only the highest emission is reported.

FCC ID: BCGA3269 IC: 579C-A3269	 <b>element</b>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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### 7.9.1 SDM Primary Line-Conducted Emissions Measurements

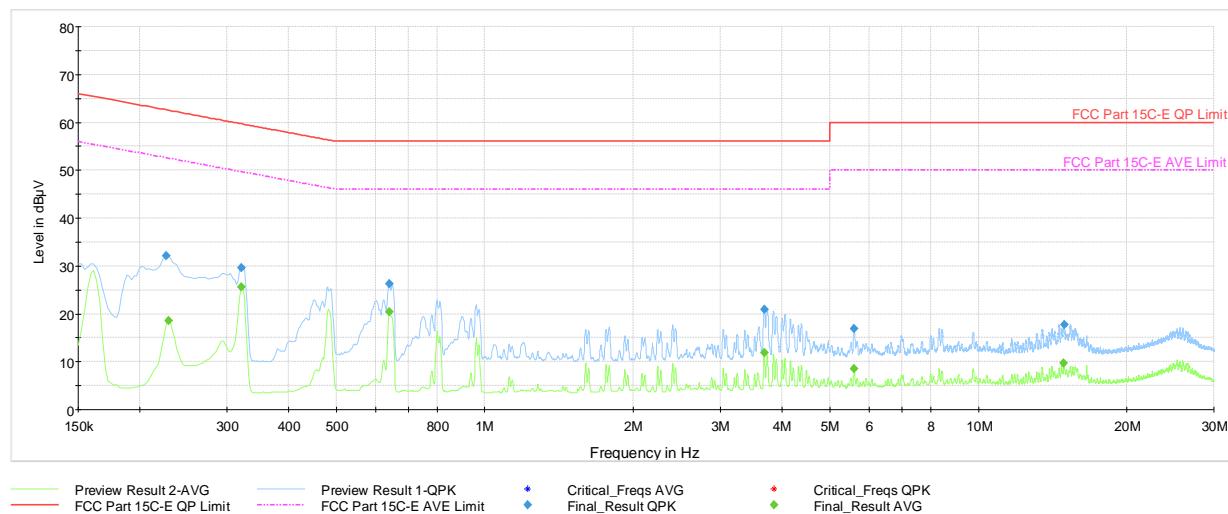


**Plot 7-326. AC Line Conducted Plot with 11ax SDM Primary UNII Band 5 – RU242 – Ch.61 (L1) with AC/DC adaptor via USB-C cable with wire charger**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.227	FINAL	32.3	---	62.58	-30.30	L1	GND
0.229	FINAL	---	18.65	52.50	-33.85	L1	GND
0.319	FINAL	29.0	---	59.74	-30.75	L1	GND
0.321	FINAL	---	24.95	49.68	-24.74	L1	GND
0.641	FINAL	26.4	---	56.00	-29.60	L1	GND
0.641	FINAL	---	20.48	46.00	-25.52	L1	GND
2.398	FINAL	---	13.35	46.00	-32.65	L1	GND
2.400	FINAL	22.2	---	56.00	-33.83	L1	GND
5.602	FINAL	---	12.38	50.00	-37.62	L1	GND
5.604	FINAL	21.8	---	60.00	-38.21	L1	GND
26.738	FINAL	---	14.45	50.00	-35.55	L1	GND
26.770	FINAL	21.9	---	60.00	-38.11	L1	GND

**Table 7-101. AC Line Conducted Data with 11ax SDM Primary UNII Band 5 – RU242 – Ch.61 (L1) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 201 of 209

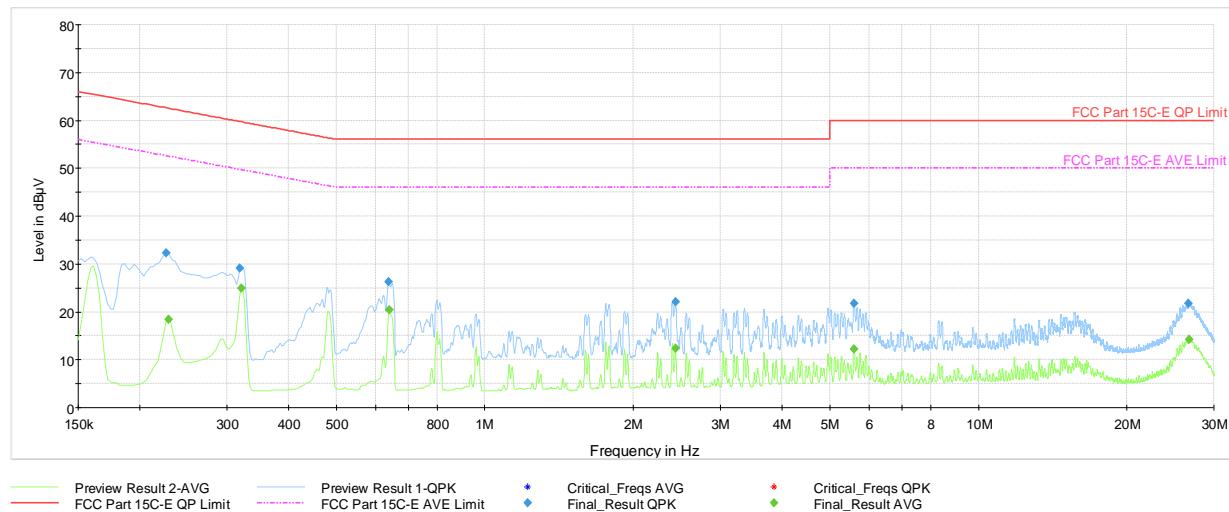


**Plot 7-327. AC Line Conducted Plot with 11ax SDM Primary UNII Band 5 – RU242 – Ch.61 (N) with AC/DC adaptor via USB-C cable with wire charger**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.227	FINAL	32.1	---	62.58	-30.49	N	GND
0.229	FINAL	---	18.59	52.50	-33.90	N	GND
0.321	FINAL	---	25.54	49.68	-24.15	N	GND
0.321	FINAL	29.6	---	59.68	-30.10	N	GND
0.641	FINAL	---	20.35	46.00	-25.65	N	GND
0.641	FINAL	26.3	---	56.00	-29.70	N	GND
3.680	FINAL	20.9	---	56.00	-35.10	N	GND
3.683	FINAL	---	11.83	46.00	-34.17	N	GND
5.602	FINAL	---	8.53	50.00	-41.47	N	GND
5.604	FINAL	16.9	---	60.00	-43.06	N	GND
14.901	FINAL	---	9.71	50.00	-40.29	N	GND
14.908	FINAL	17.8	---	60.00	-42.19	N	GND

**Table 7-102. AC Line Conducted Data with 11ax SDM Primary UNII Band 5 – RU242 – Ch.61 (N) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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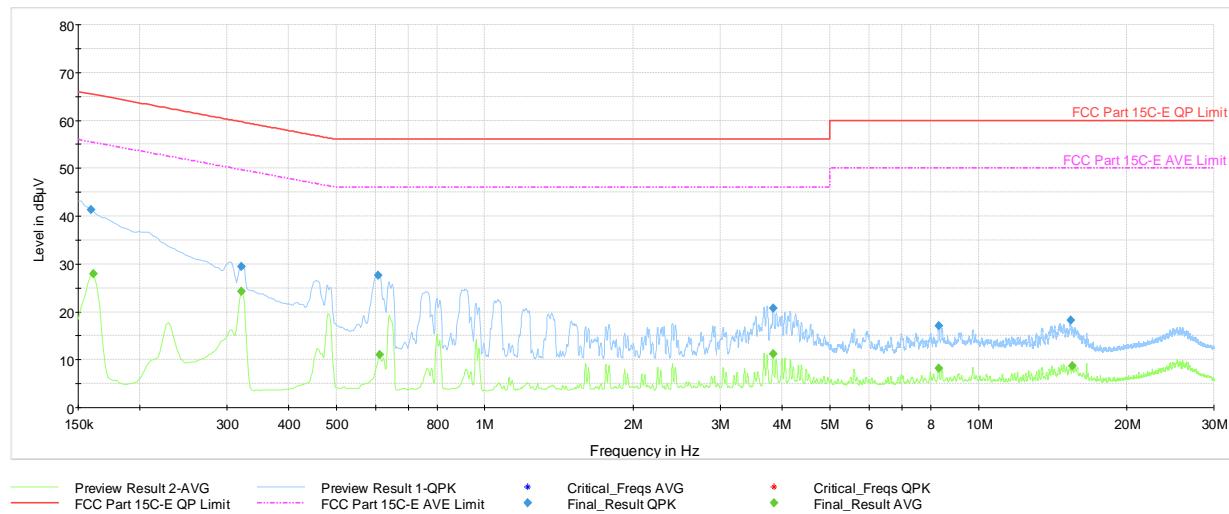


**Plot 7-328. AC Line Conducted Plot with 11ax SDM Primary UNII Band 7 – RU242 – Ch.149 (L1) with AC/DC adaptor via USB-C cable with wire charger**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.227	FINAL	32.3	---	62.58	-30.27	L1	GND
0.229	FINAL	---	18.42	52.50	-34.08	L1	GND
0.319	FINAL	29.1	---	59.74	-30.66	L1	GND
0.321	FINAL	---	24.90	49.68	-24.78	L1	GND
0.638	FINAL	26.3	---	56.00	-29.71	L1	GND
0.641	FINAL	---	20.43	46.00	-25.57	L1	GND
2.434	FINAL	22.0	---	56.00	-33.99	L1	GND
2.434	FINAL	---	12.46	46.00	-33.54	L1	GND
5.597	FINAL	21.8	---	60.00	-38.18	L1	GND
5.597	FINAL	---	12.19	50.00	-37.81	L1	GND
26.671	FINAL	21.7	---	60.00	-38.32	L1	GND
26.732	FINAL	---	14.20	50.00	-35.80	L1	GND

**Table 7-103. AC Line Conducted Data with 11ax SDM Primary UNII Band 7 – RU242 – Ch.149 (L1) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 203 of 209



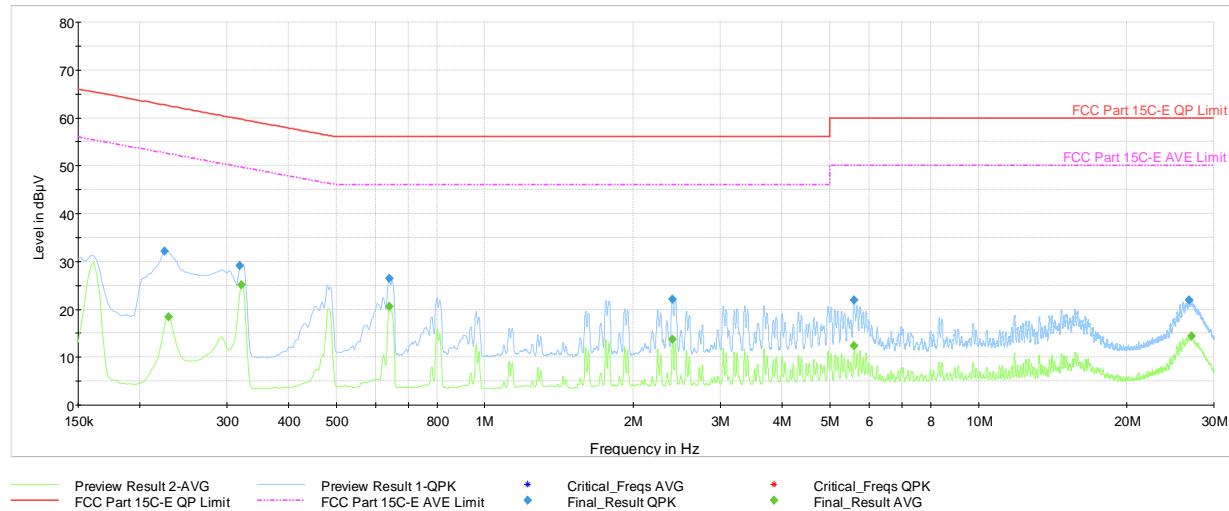
**Plot 7-329. AC Line Conducted Plot with 11ax SDM Primary UNII Band 7 – RU242 – Ch.149 (N) with AC/DC adaptor via USB-C cable with wire charger**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.159	FINAL	41.4	---	65.52	-24.17	N	GND
0.161	FINAL	---	27.99	55.40	-27.41	N	GND
0.321	FINAL	---	24.34	49.68	-25.34	N	GND
0.321	FINAL	29.4	---	59.68	-30.24	N	GND
0.607	FINAL	27.6	---	56.00	-28.40	N	GND
0.611	FINAL	---	11.05	46.00	-34.95	N	GND
3.838	FINAL	20.7	---	56.00	-35.33	N	GND
3.840	FINAL	---	11.21	46.00	-34.79	N	GND
8.313	FINAL	---	8.27	50.00	-41.74	N	GND
8.315	FINAL	17.1	---	60.00	-42.88	N	GND
15.392	FINAL	18.2	---	60.00	-41.76	N	GND
15.522	FINAL	---	8.69	50.00	-41.31	N	GND

**Table 7-104. AC Line Conducted Data with 11ax SDM Primary UNII Band 7 – RU242 – Ch.149 (N) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 204 of 209

## 7.9.2 SDM Diversity Line-Conducted Emissions Measurements

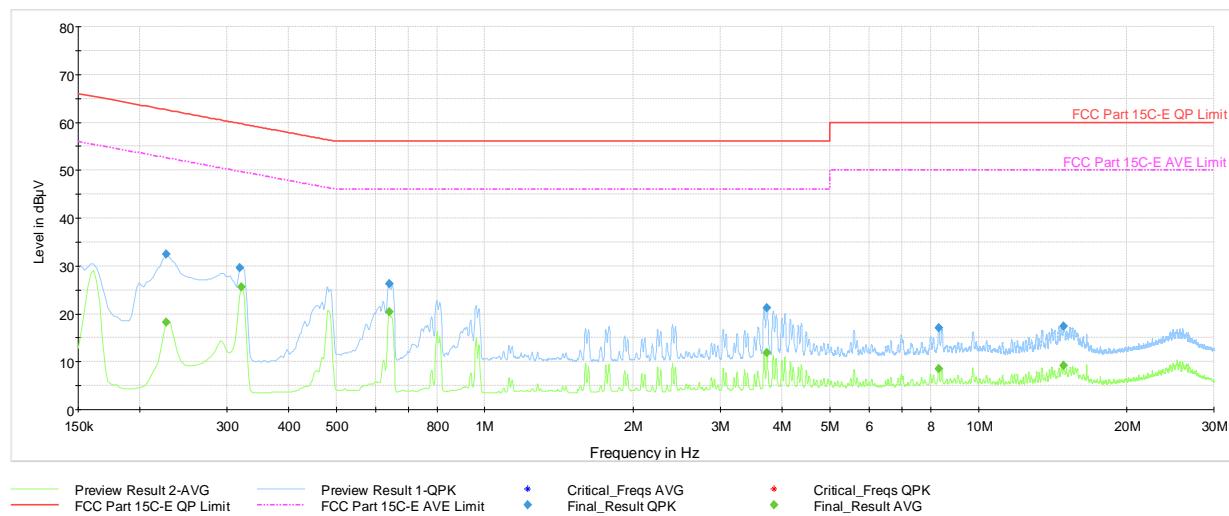


**Plot 7-330. AC Line Conducted Plot with 11ax SDM Diversity UNII Band 5 – RU242 – Ch.61 (L1) with AC/DC adaptor via USB-C cable with wire charger**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.224	FINAL	32.1	---	62.66	-30.56	L1	GND
0.229	FINAL	---	18.48	52.50	-34.01	L1	GND
0.319	FINAL	29.1	---	59.74	-30.68	L1	GND
0.321	FINAL	---	25.06	49.68	-24.62	L1	GND
0.641	FINAL	---	20.52	46.00	-25.48	L1	GND
0.641	FINAL	26.4	---	56.00	-29.63	L1	GND
2.400	FINAL	22.1	---	56.00	-33.86	L1	GND
2.400	FINAL	---	13.65	46.00	-32.35	L1	GND
5.600	FINAL	21.9	---	60.00	-38.11	L1	GND
5.600	FINAL	---	12.35	50.00	-37.65	L1	GND
26.765	FINAL	22.0	---	60.00	-38.00	L1	GND
27.038	FINAL	---	14.36	50.00	-35.64	L1	GND

**Table 7-105. AC Line Conducted Data with 11ax SDM Diversity UNII Band 5 – RU242 – Ch.61 (L1) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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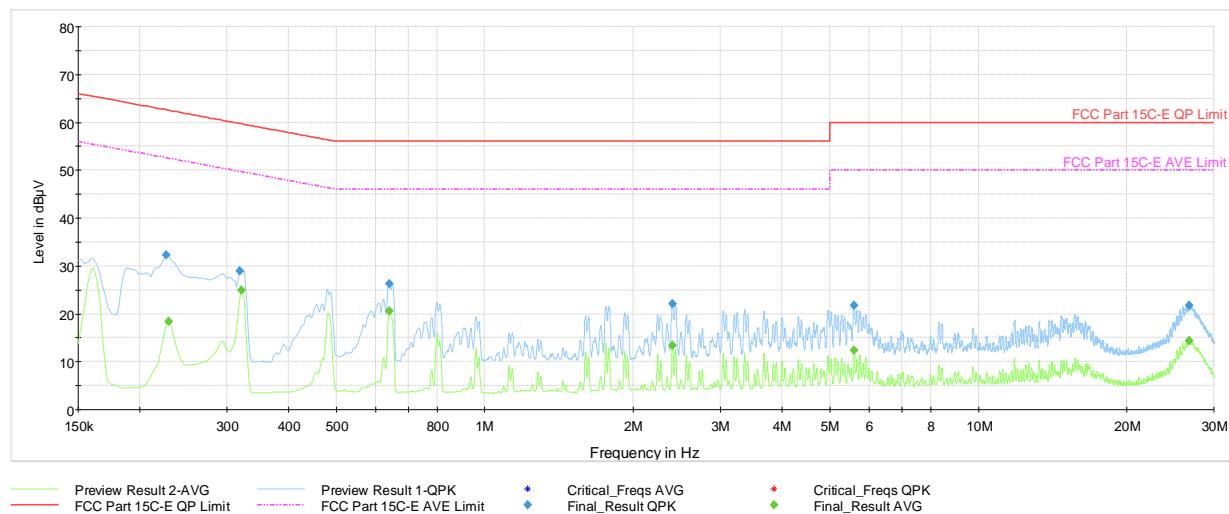


**Plot 7-331. AC Line Conducted Plot with 11ax SDM Diversity UNII Band 5 – RU242 – Ch.61 (N) with AC/DC adaptor via USB-C cable with wire charger**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.227	FINAL	---	18.30	52.58	-34.28	N	GND
0.227	FINAL	32.4	---	62.58	-30.18	N	GND
0.319	FINAL	29.6	---	59.74	-30.17	N	GND
0.321	FINAL	---	25.60	49.68	-24.08	N	GND
0.641	FINAL	26.2	---	56.00	-29.79	N	GND
0.641	FINAL	---	20.34	46.00	-25.66	N	GND
3.730	FINAL	---	11.85	46.00	-34.15	N	GND
3.732	FINAL	21.3	---	56.00	-34.68	N	GND
8.315	FINAL	---	8.48	50.00	-41.52	N	GND
8.318	FINAL	17.0	---	60.00	-42.99	N	GND
14.901	FINAL	---	9.28	50.00	-40.72	N	GND
14.901	FINAL	17.4	---	60.00	-42.62	N	GND

**Table 7-106. AC Line Conducted Data with 11ax SDM Diversity UNII Band 5 – RU242 – Ch.61 (N) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device		Page 206 of 209

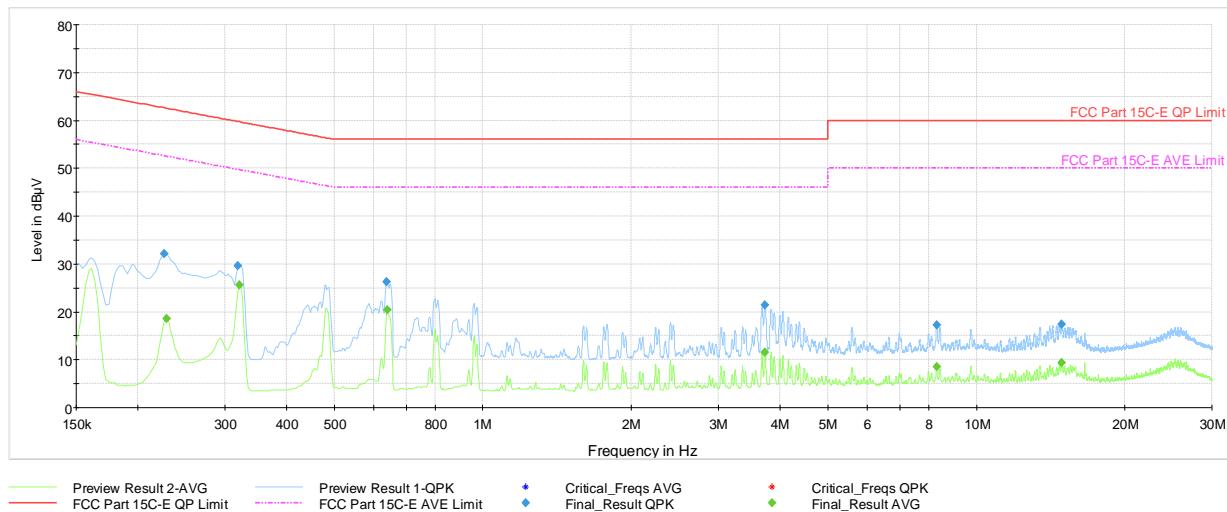


**Plot 7-332. AC Line Conducted Plot with 11ax SDM Diversity UNII Band 7 – RU242 – Ch.149 (L1) with AC/DC adaptor via USB-C cable with wire charger**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.227	FINAL	32.2	---	62.58	-30.33	L1	GND
0.229	FINAL	---	18.39	52.50	-34.11	L1	GND
0.319	FINAL	29.0	---	59.74	-30.70	L1	GND
0.321	FINAL	---	24.91	49.68	-24.77	L1	GND
0.641	FINAL	---	20.52	46.00	-25.48	L1	GND
0.641	FINAL	26.3	---	56.00	-29.69	L1	GND
2.398	FINAL	22.1	---	56.00	-33.93	L1	GND
2.398	FINAL	---	13.47	46.00	-32.53	L1	GND
5.597	FINAL	21.7	---	60.00	-38.31	L1	GND
5.600	FINAL	---	12.35	50.00	-37.65	L1	GND
26.729	FINAL	---	14.40	50.00	-35.60	L1	GND
26.734	FINAL	21.8	---	60.00	-38.20	L1	GND

**Table 7-107. AC Line Conducted Data with 11ax SDM Diversity UNII Band 7 – RU242 – Ch.149 (L1) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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**Plot 7-333. AC Line Conducted Plot with 11ax SDM Diversity UNII Band 7 – RU242 – Ch.149 (N) with AC/DC adaptor via USB-C cable with wire charger**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.227	FINAL	32.1	---	62.58	-30.45	N	GND
0.229	FINAL	---	18.50	52.50	-33.99	N	GND
0.319	FINAL	29.6	---	59.74	-30.19	N	GND
0.321	FINAL	---	25.56	49.68	-24.13	N	GND
0.638	FINAL	26.2	---	56.00	-29.78	N	GND
0.641	FINAL	---	20.37	46.00	-25.63	N	GND
3.732	FINAL	21.4	---	56.00	-34.59	N	GND
3.732	FINAL	---	11.60	46.00	-34.40	N	GND
8.311	FINAL	---	8.56	50.00	-41.44	N	GND
8.315	FINAL	17.3	---	60.00	-42.71	N	GND
14.883	FINAL	---	9.31	50.00	-40.69	N	GND
14.883	FINAL	17.5	---	60.00	-42.55	N	GND

**Table 7-108. AC Line Conducted Data with 11ax SDM Diversity UNII Band 7 – RU242 – Ch.149 (N) with AC/DC adaptor via USB-C cable with wire charger**

FCC ID: BCGA3269 IC: 579C-A3269	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 208 of 209

## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3269** and **IC: 579C-A3269** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-248 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCGA3269 IC: 579C-A3269	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210075-25.BCG	Test Dates: 10/25/2024 - 1/15/2025	EUT Type: Tablet Device	Page 209 of 209