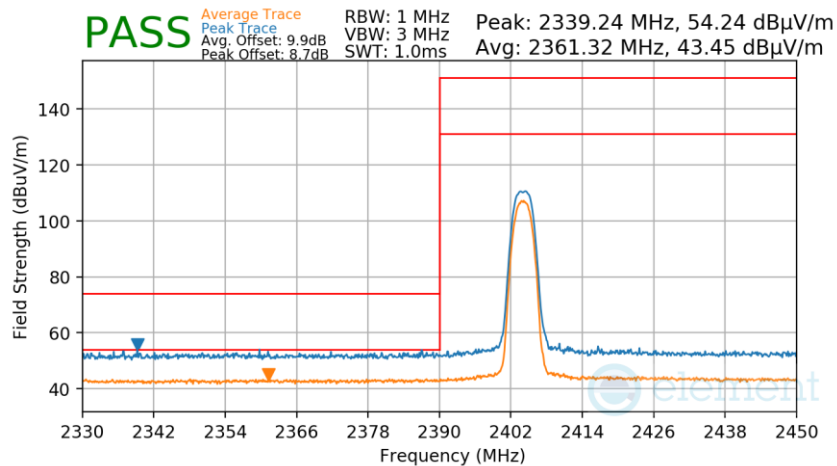


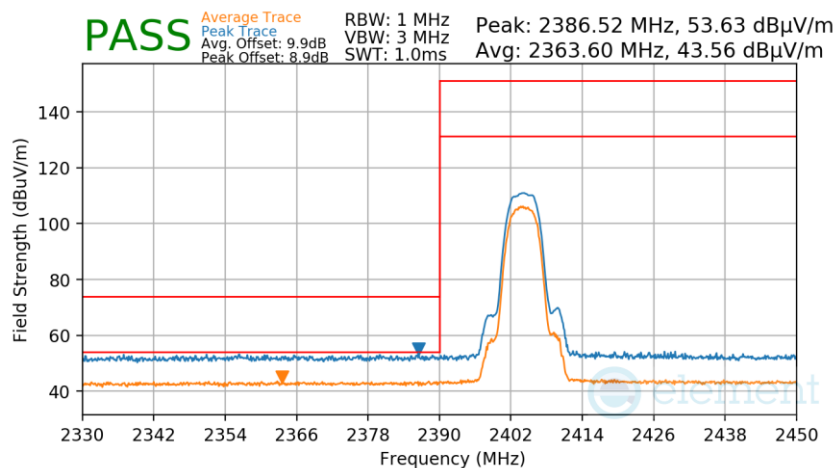
7.7.3 Antenna 2a Radiated Restricted Band Edge Measurements

Bluetooth Mode:	HDR4
Data Rate:	4Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404MHz
Channel:	1



Plot 7-293. Radiated Restricted Lower Band Edge Measurement Antenna 2a

Bluetooth Mode:	HDR8
Data Rate:	8Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404MHz
Channel:	1



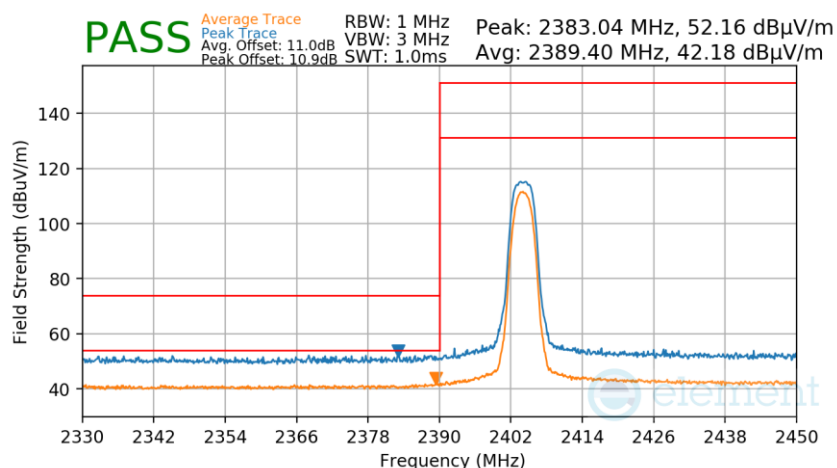
Plot 7-294. Radiated Restricted Lower Band Edge Measurement Antenna 2a

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 185 of 205

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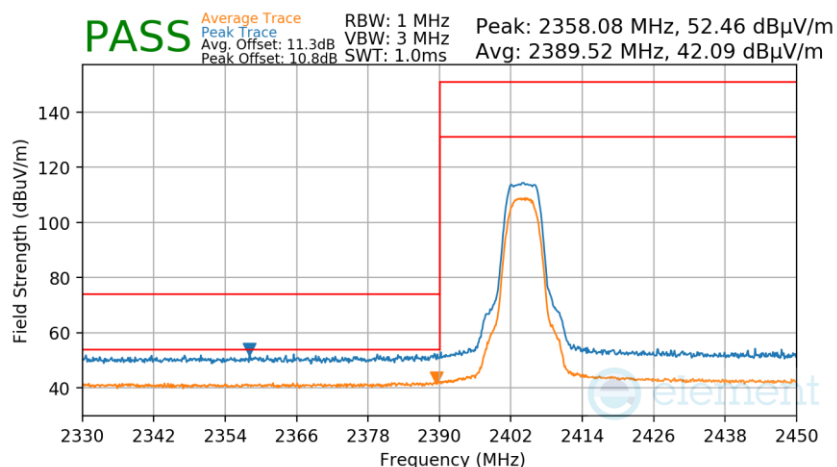
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Bluetooth Mode: XHDRPS2
 Data Rate: 2Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-295. Radiated Restricted Lower Band Edge Measurement Antenna 2a

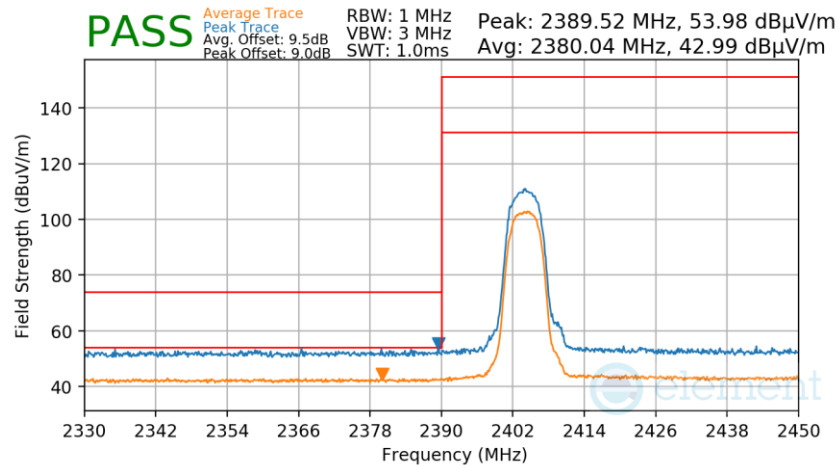
Bluetooth Mode: XHDRPM8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-296. Radiated Restricted Lower Band Edge Measurement Antenna 2a

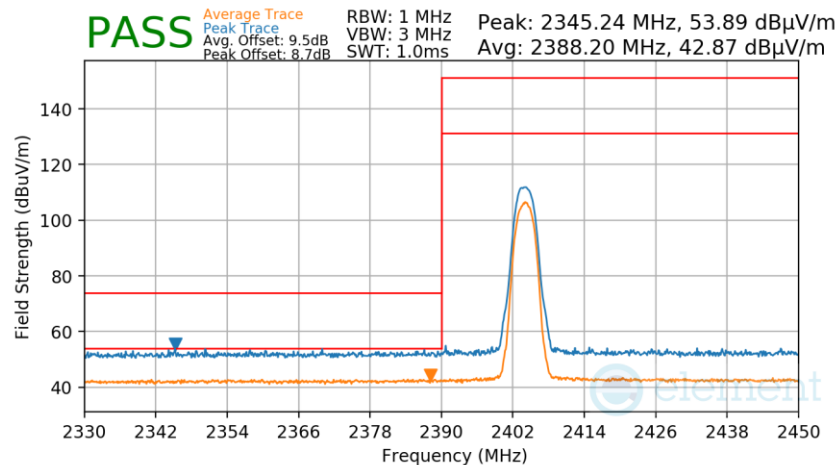
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 186 of 205

Bluetooth Mode: XHDRPM16
 Data Rate: 16Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-297. Radiated Restricted Lower Band Edge Measurement Antenna 2a

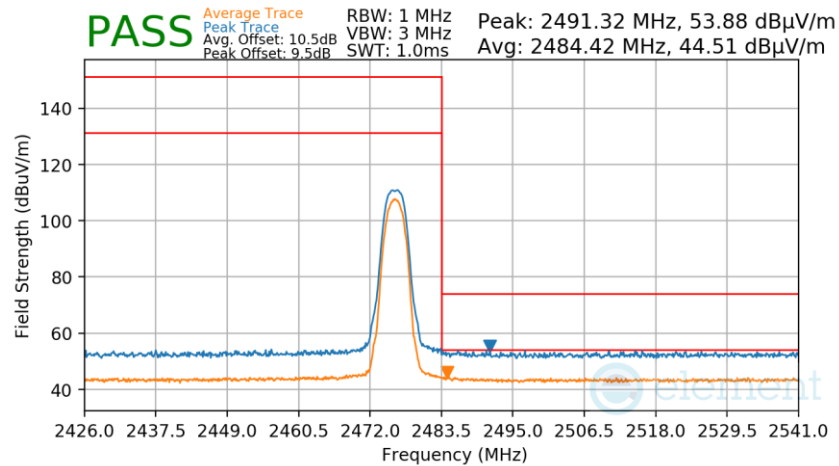
Bluetooth Mode: HDT8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-298. Radiated Restricted Lower Band Edge Measurement Antenna 2a

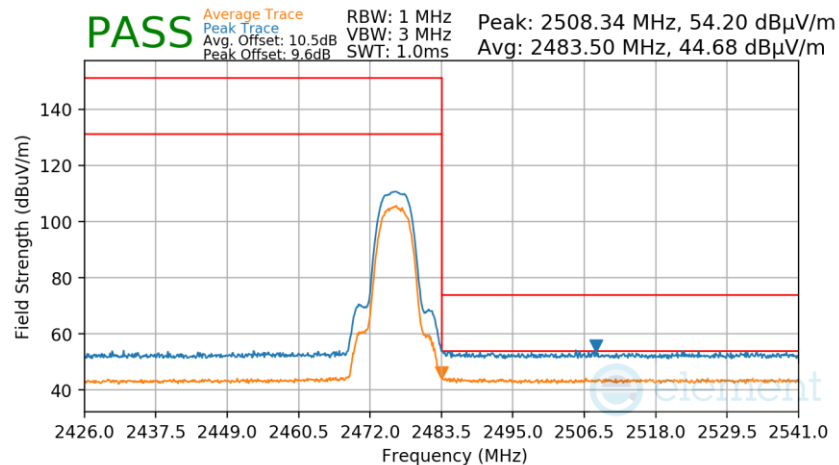
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 187 of 205

Bluetooth Mode: HDR4
 Data Rate: 4Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-299. Radiated Restricted Upper Band Edge Measurement Antenna 2a

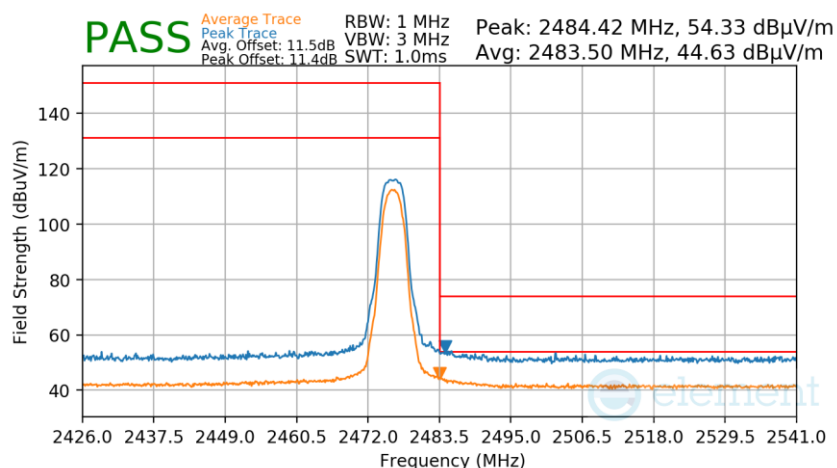
Bluetooth Mode: HDR8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-300. Radiated Restricted Upper Band Edge Measurement Antenna 2a

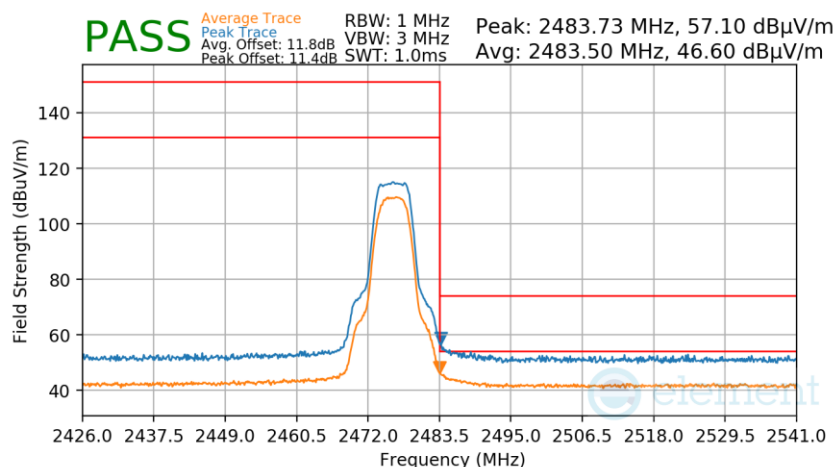
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 188 of 205

Bluetooth Mode: XHDRPS2
 Data Rate: 2Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-301. Radiated Restricted Upper Band Edge Measurement Antenna 2a

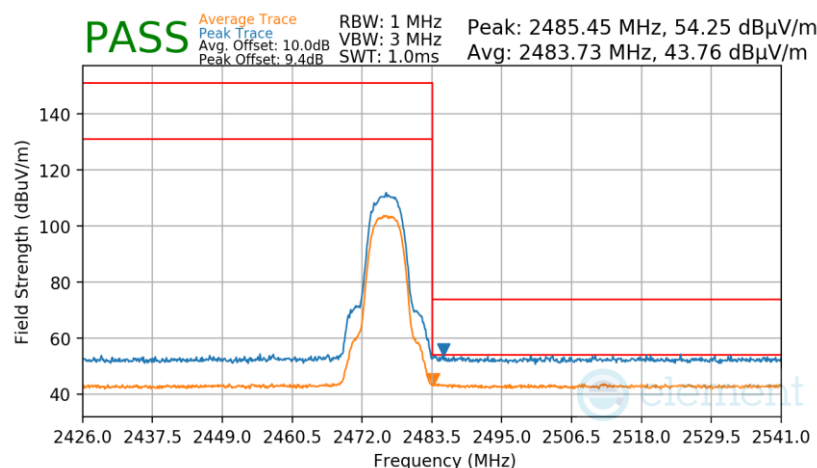
Bluetooth Mode: XHDRPM8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-302. Radiated Restricted Upper Band Edge Measurement Antenna 2a

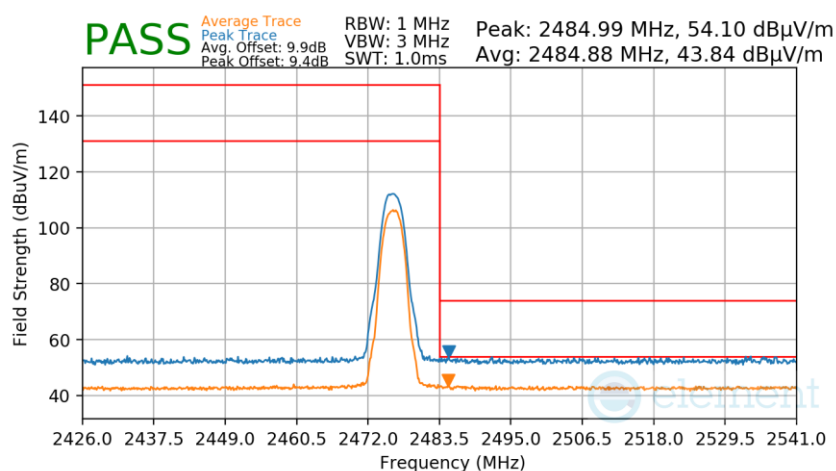
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 189 of 205

Bluetooth Mode: XHDRPM16
 Data Rate: 16Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-303. Radiated Restricted Upper Band Edge Measurement Antenna 2a

Bluetooth Mode: HDT8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-304. Radiated Restricted Upper Band Edge Measurement Antenna 2a

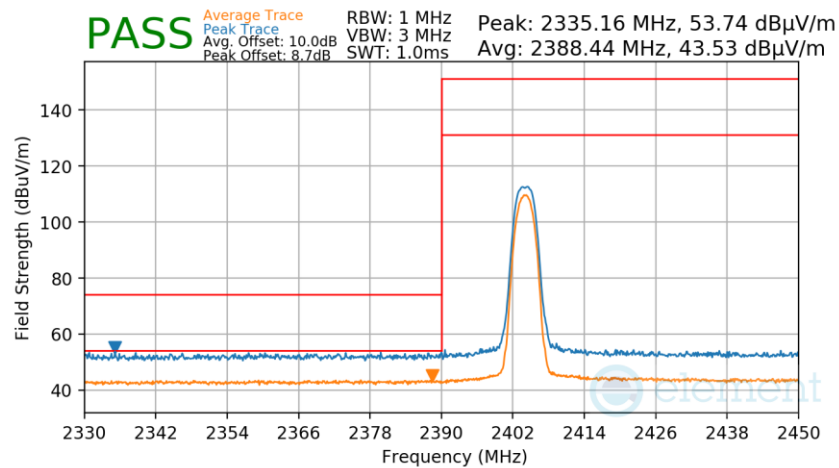
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 190 of 205

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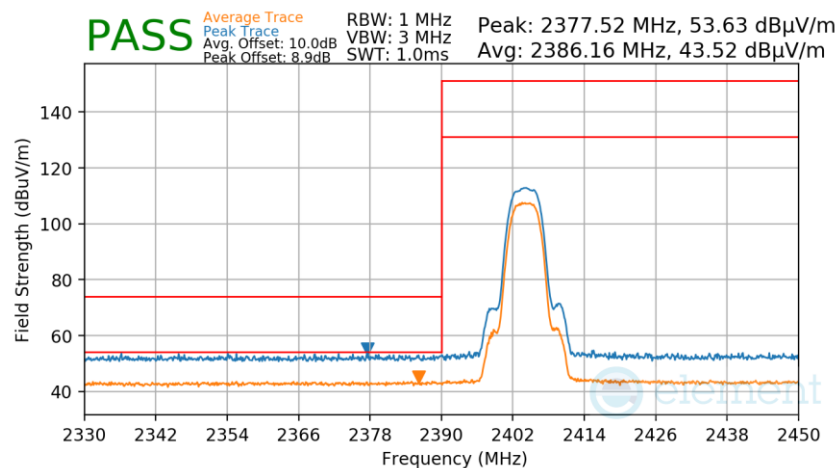
7.7.4 TxBF Radiated Restricted Band Edge Measurements

Bluetooth Mode:	HDR4
Data Rate:	4Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404MHz
Channel:	1



Plot 7-305. Radiated Restricted Lower Band Edge Measurement TxBF

Bluetooth Mode:	HDR8
Data Rate:	8Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404MHz
Channel:	1



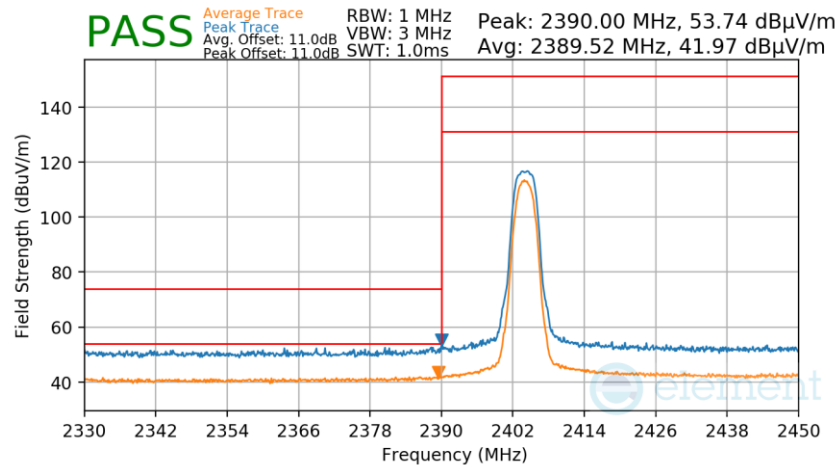
Plot 7-306. Radiated Restricted Lower Band Edge Measurement TxBF

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 191 of 205

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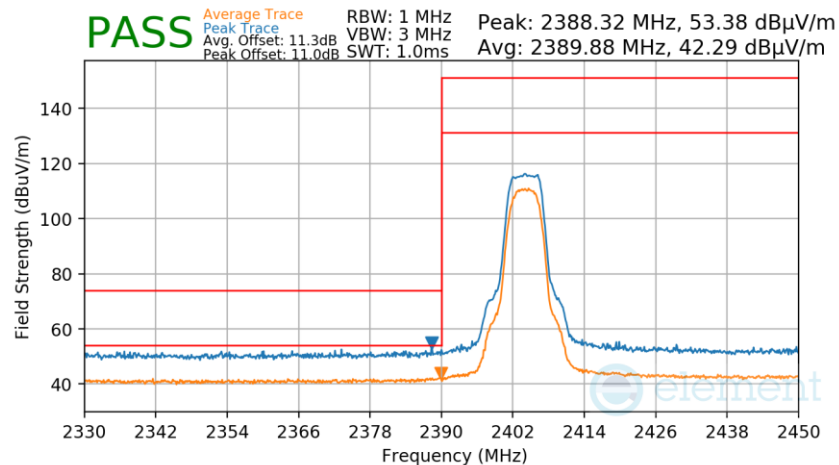
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Bluetooth Mode: XHDRPS2
 Data Rate: 2Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-307. Radiated Restricted Lower Band Edge Measurement TxBF

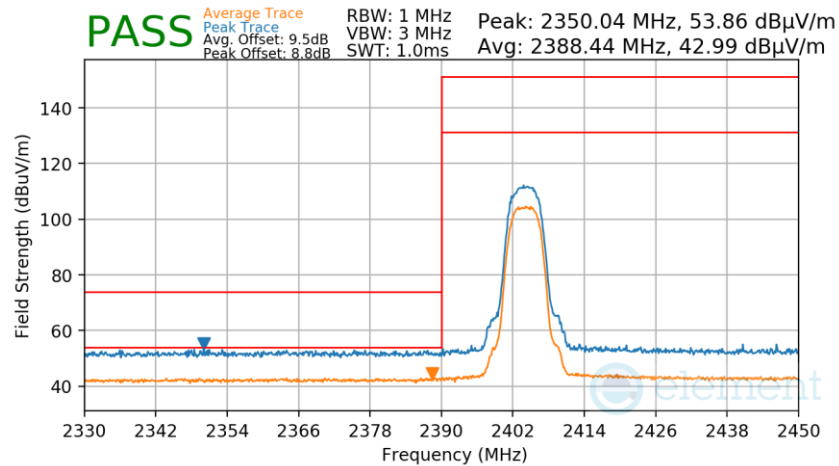
Bluetooth Mode: XHDRPM8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-308. Radiated Restricted Lower Band Edge Measurement TxBF

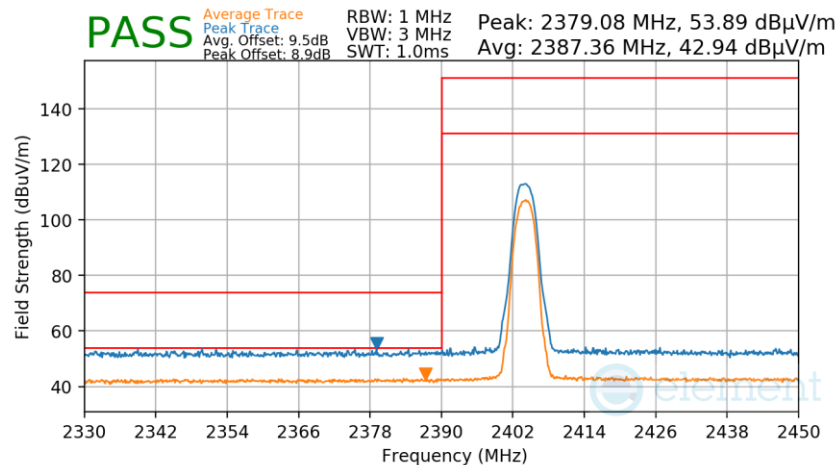
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 192 of 205

Bluetooth Mode: XHDRPM16
 Data Rate: 16Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-309. Radiated Restricted Lower Band Edge Measurement TxBF

Bluetooth Mode: HDT8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1

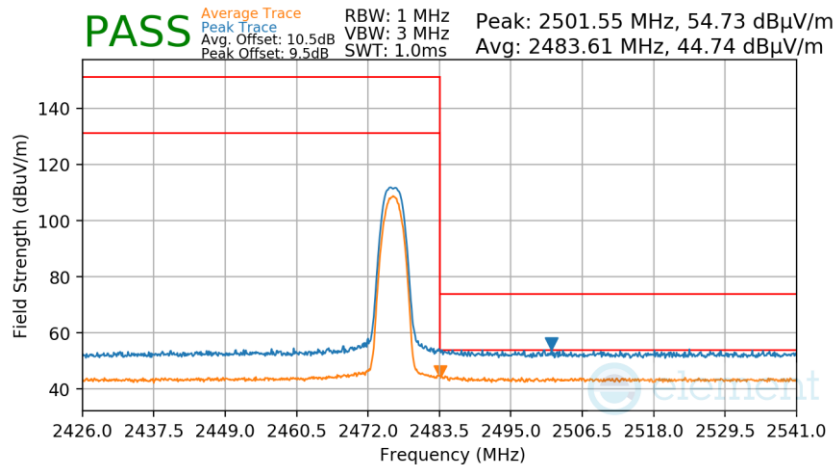


Plot 7-310. Radiated Restricted Lower Band Edge Measurement TxBF

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 193 of 205

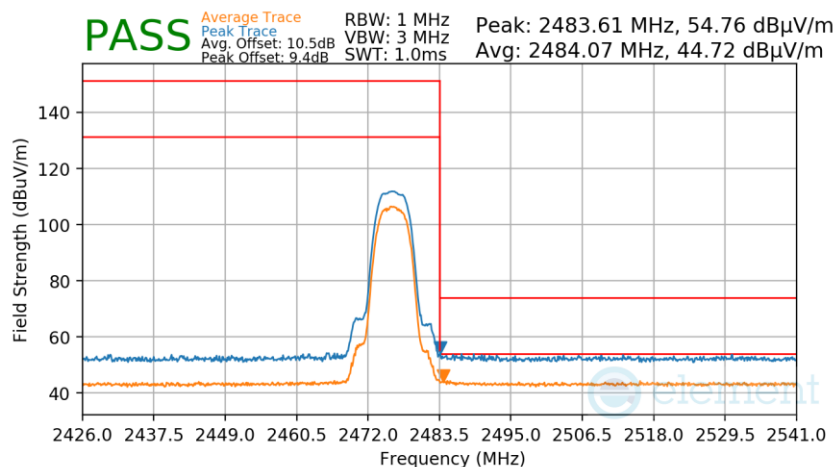
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Bluetooth Mode: HDR4
 Data Rate: 4Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-311. Radiated Restricted Upper Band Edge Measurement TxBF

Bluetooth Mode: HDR8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



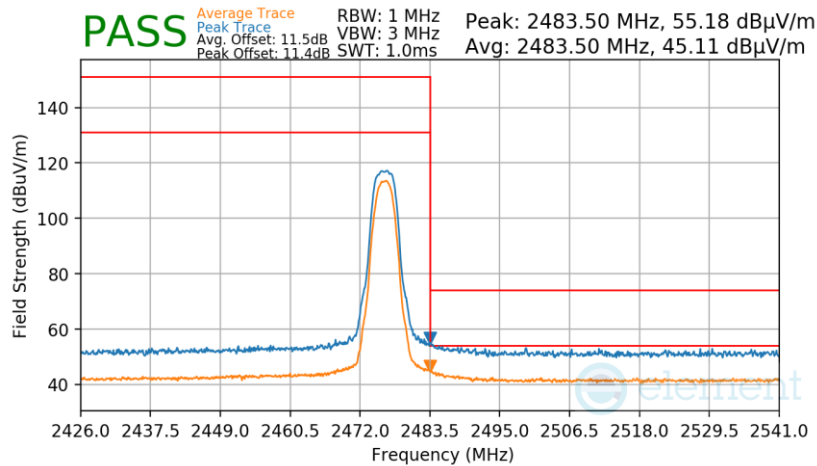
Plot 7-312. Radiated Restricted Upper Band Edge Measurement TxBF

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 194 of 205

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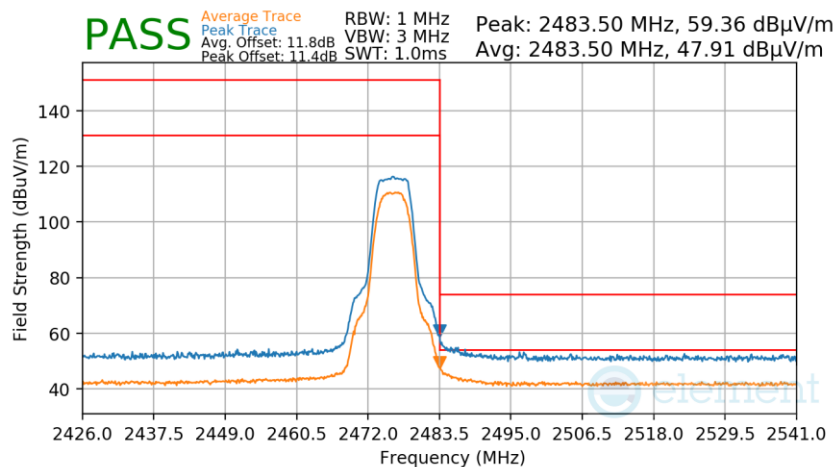
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Bluetooth Mode: XHDRPS2
 Data Rate: 2Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-313. Radiated Restricted Upper Band Edge Measurement TxBF

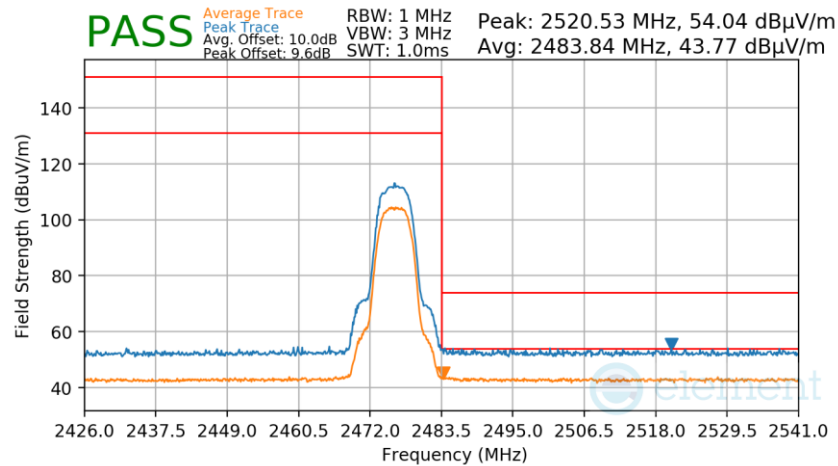
Bluetooth Mode: XHDRPM8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-314. Radiated Restricted Upper Band Edge Measurement TxBF

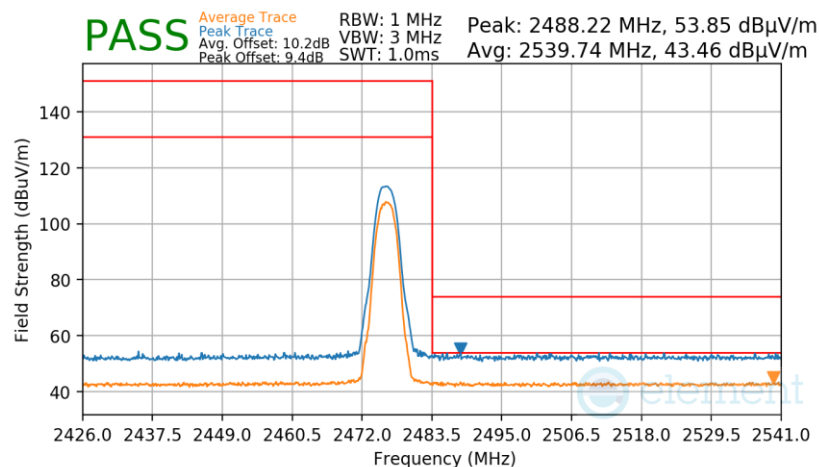
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 195 of 205

Bluetooth Mode: XHDRPM16
 Data Rate: 16Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-315. Radiated Restricted Upper Band Edge Measurement TxBF

Bluetooth Mode: HDT8
 Data Rate: 8Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-316. Radiated Restricted Upper Band Edge Measurement TxBF

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-16-R1.BCG	Test Dates: 05/12/2025 - 08/29/2025	EUT Type: Tablet Device	Page 196 of 205

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 7-15 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/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 7-15. 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: BCGA3358 IC: 579C-A3358		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 diagrams below.

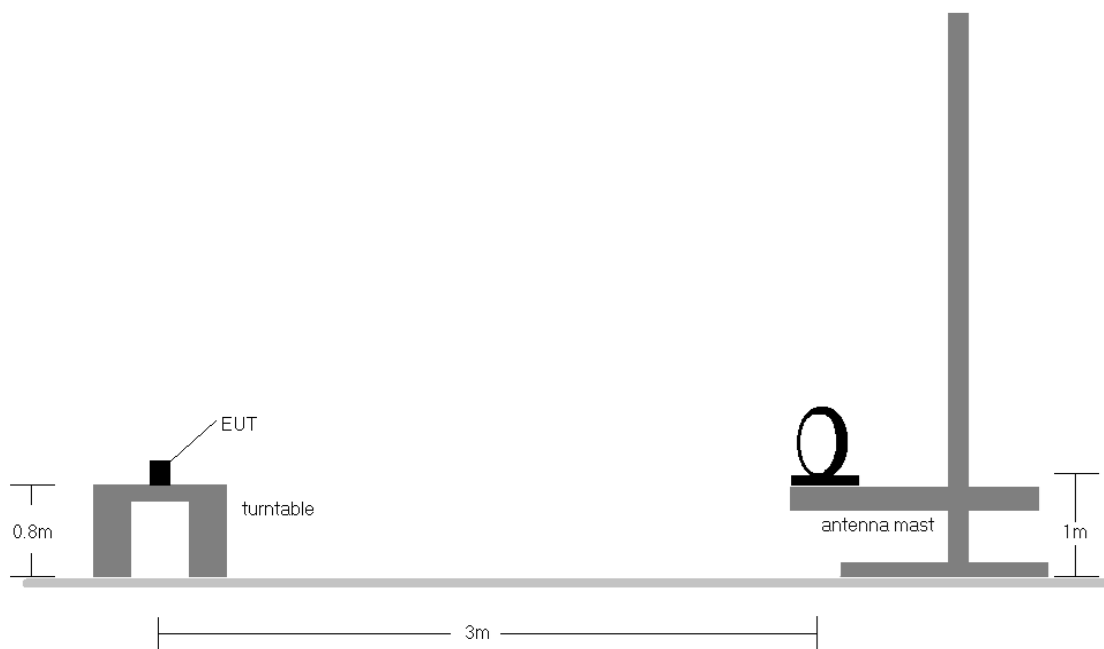


Figure 7-7. Radiated Test Setup < 30MHz

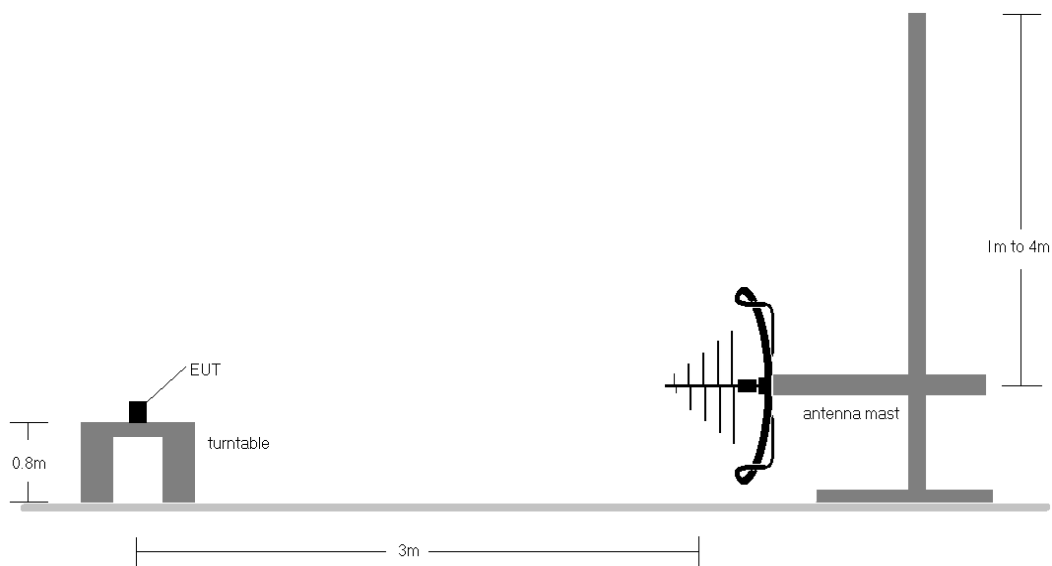


Figure 7-8. Radiated Test Setup < 1GHz

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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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 7-15.
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. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification.
10. All supported modulation, antenna (including TxBF mode) and power schemes have been tested on the unit and only worst case configuration 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

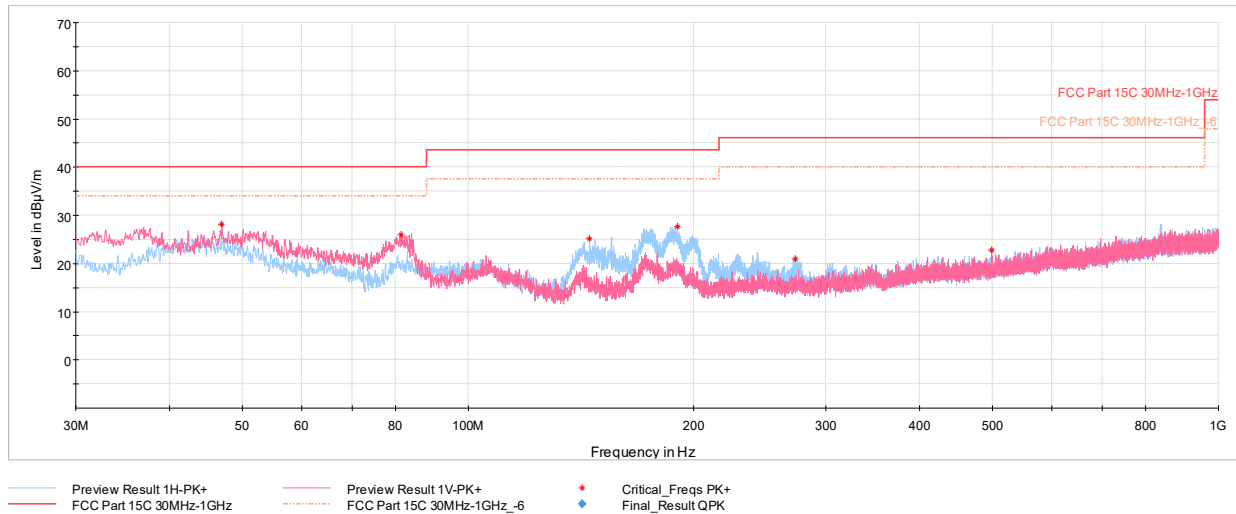
- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level}_{[dBm]} + 107 + \text{AFCL}_{[dB/m]}$
- $\text{AFCL}_{[dB/m]} = \text{Antenna Factor}_{[dB/m]} + \text{Cable Loss}_{[dB]} - \text{Preamplifier Gain}_{[dB]}$
- $\text{Margin}_{[dB]} = \text{Field Strength Level}_{[dB\mu V/m]} - \text{Limit}_{[dB\mu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

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

TxBF



Plot 7-317. Radiated Spurious Emissions Below 1GHz TxBF (HDR4, 4Mbps, ePA – Ch.38 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]
46.93	Max Peak	V	100	3	-63.43	-15.40	28.17	40.00	-11.83
81.41	Max Peak	V	100	9	-58.44	-22.50	26.06	40.00	-13.94
145.04	Max Peak	H	100	238	-60.34	-21.50	25.16	43.52	-18.36
190.20	Max Peak	H	100	208	-60.91	-18.50	27.59	43.52	-15.93
273.28	Max Peak	H	100	151	-69.89	-16.20	20.91	46.02	-25.11
498.95	Max Peak	V	300	176	-73.12	-11.00	22.88	46.02	-23.14

Table 7-16. Radiated Spurious Emissions Below 1GHz TxBF (HDR4, 4Mbps, ePA – Ch.38 with AC/DC Adapter)

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		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 (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-17. 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.

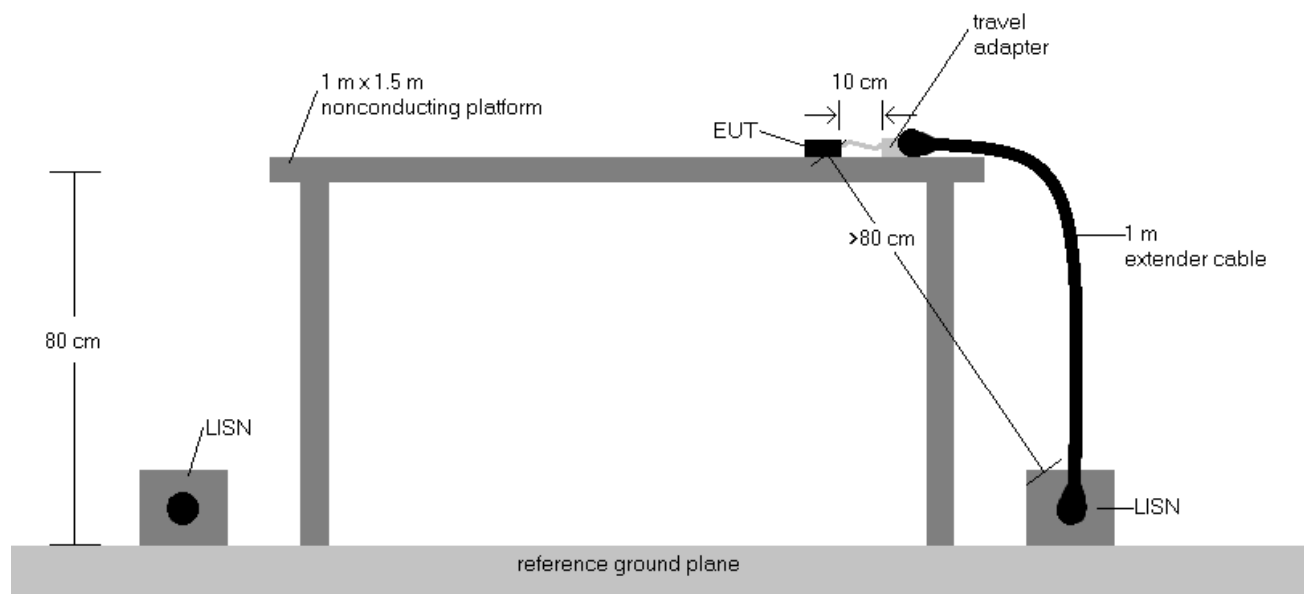


Figure 7-9. Test Instrument & Measurement Setup

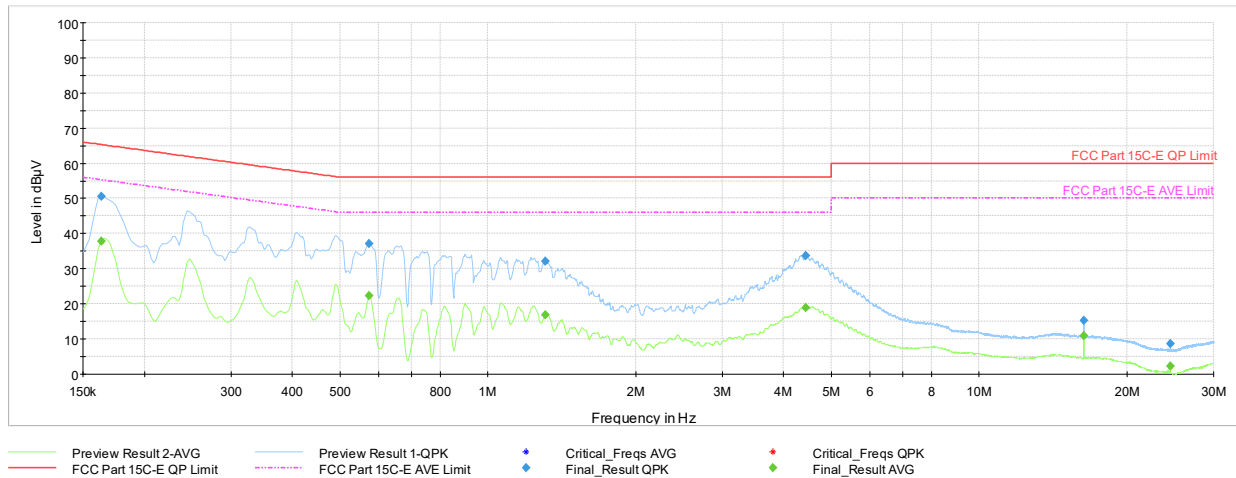
Test Notes

- 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.
- Both configurations below were investigated, and the worst case has been reported.
 - EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - EUT powered by host PC via USB-C cable with wire charger
- The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(8.8).
- $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
- $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
- $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
- Traces shown in plot are made using quasi peak and average detectors.
- Deviations to the Specifications: None.

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Plot 7-318. AC Line Conducted Plot with Bluetooth HDR TxBF (L1, HDR4, 4Mbps ePA - Ch.38 with AC/DC Adapter)

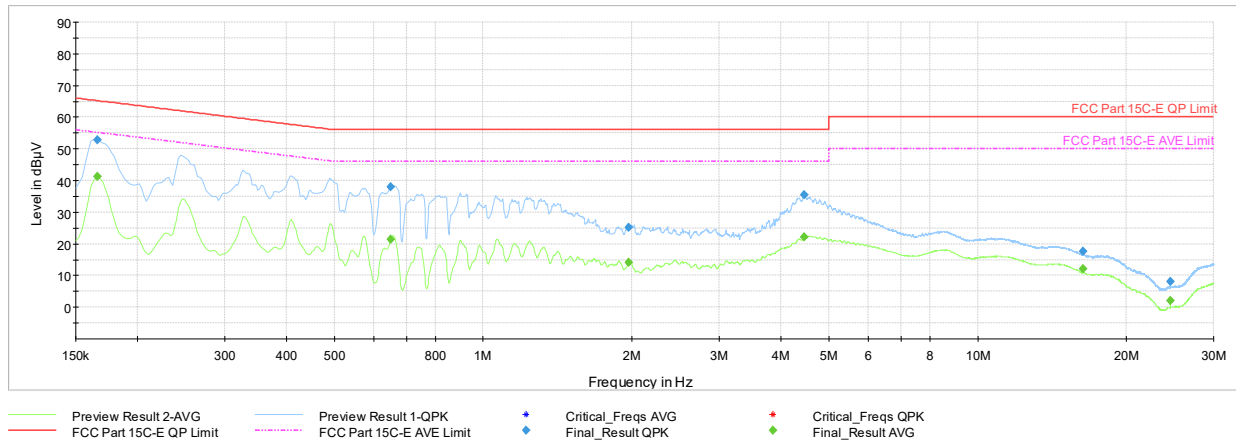
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.164	FINAL	—	37.81	55.28	-17.47	L1	ON
0.164	FINAL	50.6	—	65.28	-14.70	L1	ON
0.573	FINAL	—	22.21	46.00	-23.79	L1	ON
0.573	FINAL	37.0	—	56.00	-18.96	L1	ON
1.309	FINAL	—	16.86	46.00	-29.14	L1	ON
1.309	FINAL	32.0	—	56.00	-23.96	L1	ON
4.443	FINAL	33.6	—	56.00	-22.39	L1	ON
4.443	FINAL	—	18.88	46.00	-27.12	L1	ON
16.346	FINAL	15.4	—	60.00	-44.65	L1	ON
16.346	FINAL	—	10.99	50.00	-39.01	L1	ON
24.513	FINAL	—	2.33	50.00	-47.67	L1	ON
24.513	FINAL	8.6	—	60.00	-51.40	L1	ON

Table 7-18. AC Line Conducted Data with Bluetooth HDR TxBF (L1, HDR4, 4Mbps ePA - Ch.38 with AC/DC Adapter)

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Plot 7-319. AC Line Conducted Plot with Bluetooth HDR TxBF (N, HDR4, 4Mbps ePA - Ch.38 with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.166	FINAL	—	41.13	55.17	-14.04	N	ON
0.166	FINAL	52.8	—	65.17	-12.42	N	ON
0.650	FINAL	—	21.28	46.00	-24.72	N	ON
0.650	FINAL	38.1	—	56.00	-17.92	N	ON
1.968	FINAL	—	14.07	46.00	-31.93	N	ON
1.968	FINAL	25.2	—	56.00	-30.77	N	ON
4.459	FINAL	35.4	—	56.00	-20.62	N	ON
4.459	FINAL	—	22.09	46.00	-23.91	N	ON
16.330	FINAL	17.7	—	60.00	-42.28	N	ON
16.330	FINAL	—	12.10	50.00	-37.90	N	ON
24.495	FINAL	—	2.10	50.00	-47.90	N	ON
24.495	FINAL	8.1	—	60.00	-51.93	N	ON

Table 7-19. AC Line Conducted Data with Bluetooth HDR TxBF (N, HDR4, 4Mbps ePA - Ch.38 with AC/DC Adapter)

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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: BCGA3358 and IC: 579C-A3358** 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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