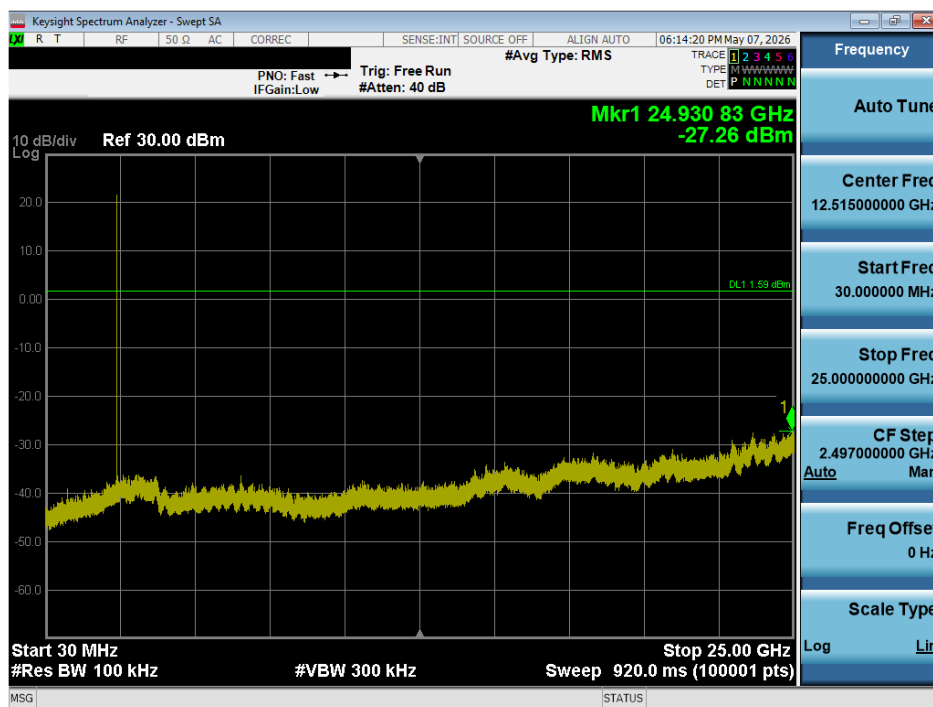
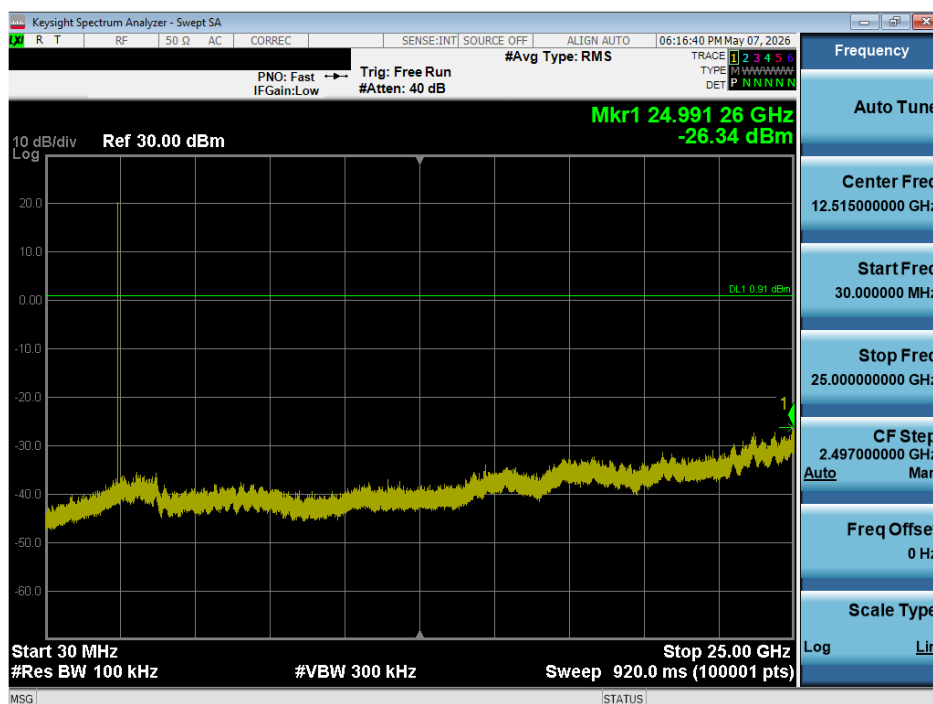


7.7.2 Antenna WF7



Plot 7-132. Conducted Spurious Plot Antenna WF7 (Bluetooth (LE), 1 Mbps, ePA – Ch. 37)

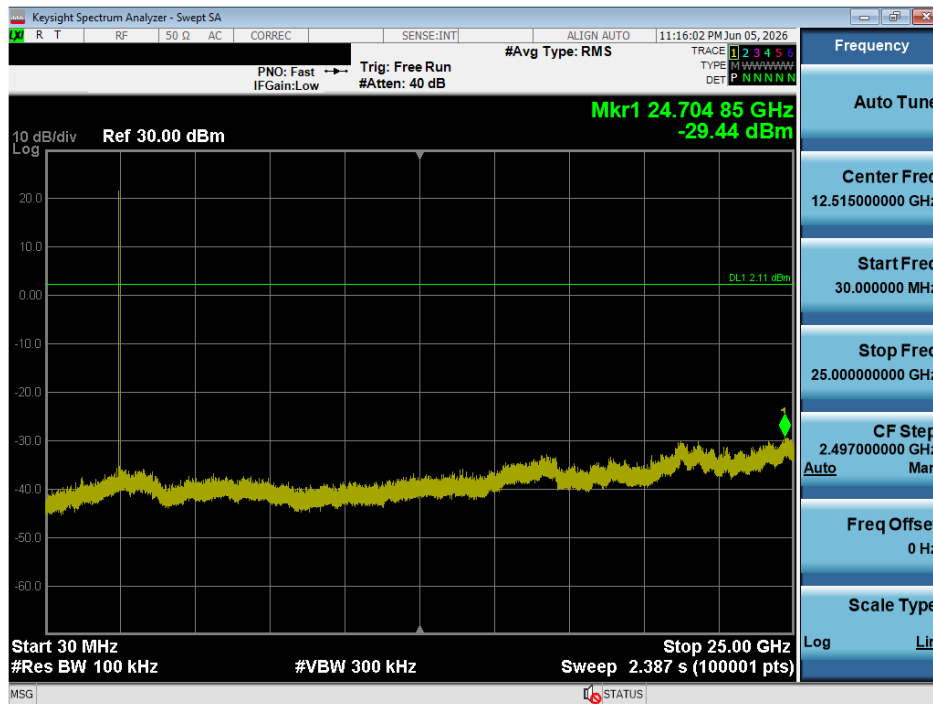


Plot 7-133. Conducted Spurious Plot Antenna WF7 (Bluetooth (LE), 1 Mbps, ePA – Ch. 17)

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Plot 7-134. Conducted Spurious Plot Antenna WF7 (Bluetooth (LE), 1 Mbps, ePA – Ch. 39)

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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7.8 Radiated Spurious Emissions – Above 1 GHz

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 maximum power and at the appropriate frequencies. 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 (7.5) must not exceed the limits shown in Table 7-15 per Section 15.209 and RSS-Gen (7.4.3).

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-15. Radiated Limits

Test Procedures Used

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 – Subclause 6.6.4.3
KDB 558074 D01 v05r02 – Sections 8.6, 8.7

Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW = 3 MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW = 3 MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. 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.

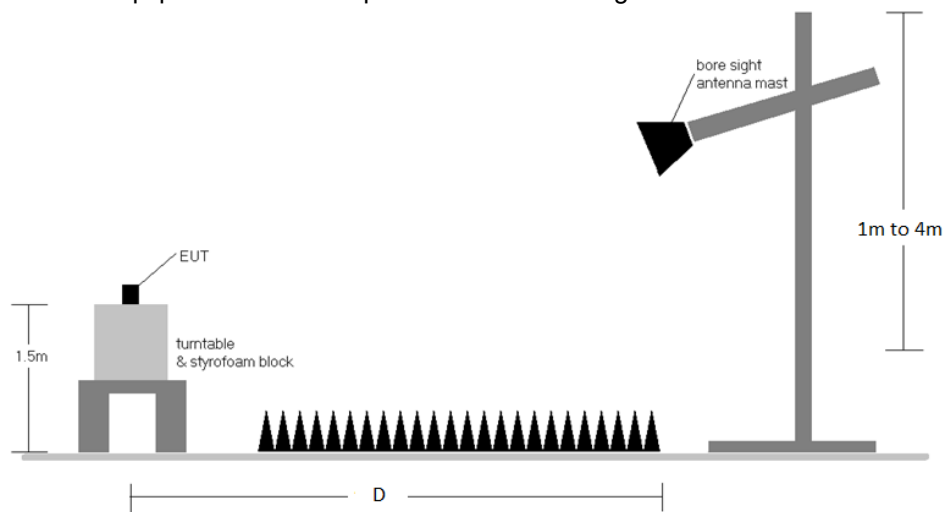


Figure 7-7. Radiated Test Setup >1 GHz

Test Notes

1. The optional test procedures for antenna port conducted measurements of unwanted emissions per the guidance of KDB 558074 D01 v05r02 were not used to evaluate this device for compliance to radiated limits. All radiated spurious emissions levels were measured in a radiated test setup.
2. All emissions lying in restricted bands specified in §15.205 and Section 7.5 of RSS-Gen are below the limit shown in Table 7-15.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9 kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1 GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18 GHz were measured at a 3 meters test distance while emissions above 18 GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. All supported modulation, antenna (including TxBF mode) and power schemes have been tested on the unit and only worst case configuration is reported.

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Sample Calculations

Determining Spurious Emissions Levels

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

Radiated Band Edge Measurement Offset

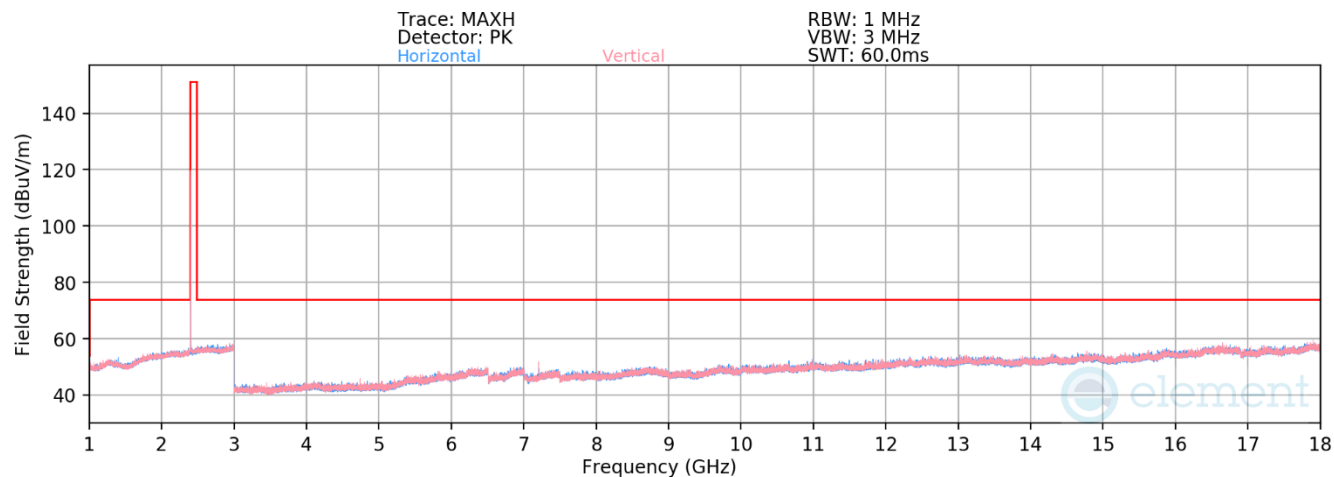
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.8.2 to 7.8.4 was calculated using the formula:

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

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7.8.1 TxBF Radiated Spurious Emission Measurements



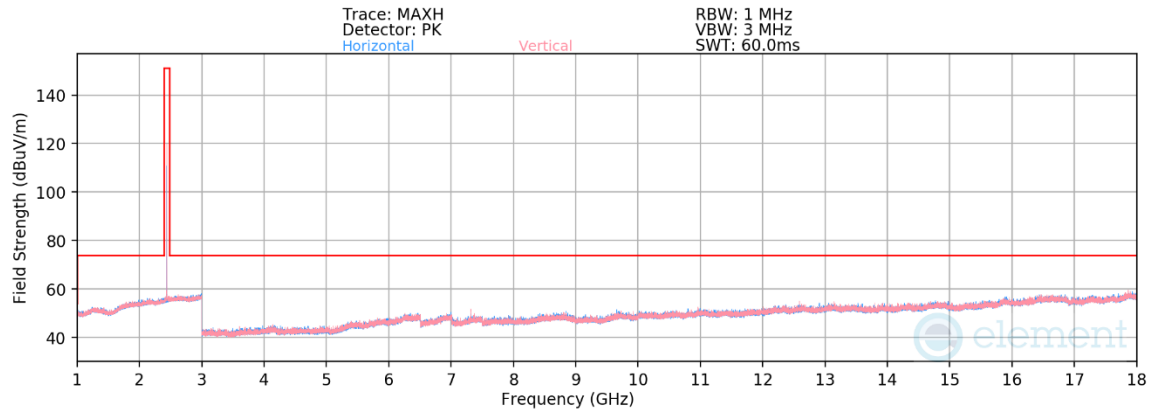
Plot 7-135. Radiated Spurious Emissions 1-18 GHz TxBF (1 Mbps, ePA – Ch. 0)

Bluetooth Mode:	LE
Data Rate:	1 Mbps
Power Scheme	ePA
Distance of Measurements:	3 Meters
Operating Frequency:	2402 MHz
Channel:	0

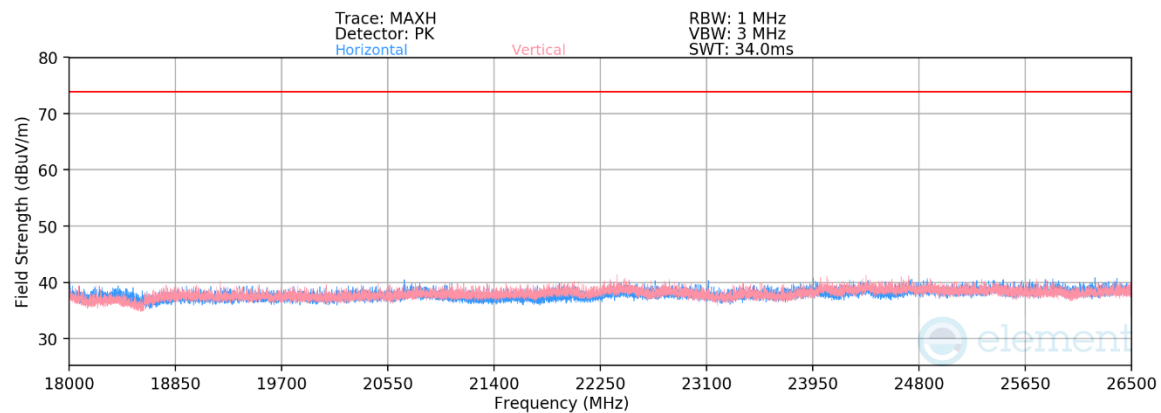
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4804.00	Average	V	-	-	-79.16	5.35	33.19	53.98	-20.79
4804.00	Peak	V	-	-	-67.56	5.35	44.79	73.98	-29.19
12010.00	Average	V	-	-	-80.95	14.75	40.80	53.98	-13.18
12010.00	Peak	V	-	-	-69.98	14.75	51.77	73.98	-22.21

Table 7-16. Radiated Measurements TxBF

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Plot 7-136. Radiated Spurious Emissions 1-18 GHz TxBF (1 Mbps, ePA – Ch. 19)



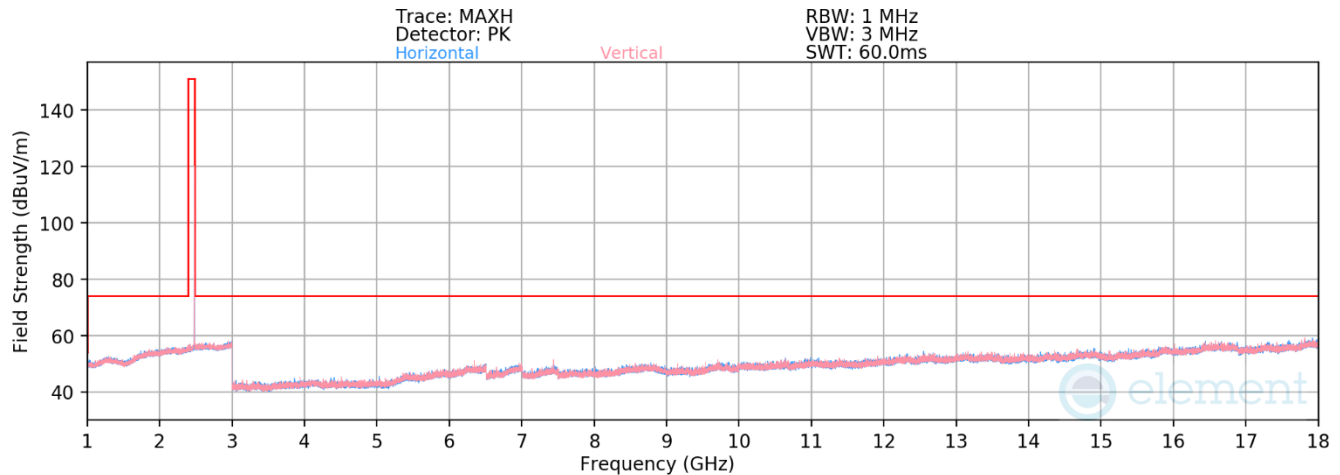
Plot 7-137. Radiated Spurious Emissions Above 18 GHz TxBF (1 Mbps ePA – Ch. 19)

Bluetooth Mode:	LE
Data Rate:	1 Mbps
Power Scheme	ePA
Distance of Measurements:	3 Meters
Operating Frequency:	2440 MHz
Channel:	17

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Dist. Corr. Factor [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4880.00	Average	H	-	-	-79.87	5.46	0.00	32.59	53.98	-21.39
4880.00	Peak	H	-	-	-68.25	5.46	0.00	44.21	73.98	-29.77
7320.00	Average	V	156	198	-70.49	10.20	0.71	47.42	53.98	-6.56
7320.00	Peak	V	156	198	-62.86	10.20	0.71	55.05	73.98	-18.93
12200.00	Average	V	-	-	-81.09	15.70	0.00	41.61	53.98	-12.37
12200.00	Peak	V	-	-	-69.93	15.70	0.00	52.77	73.98	-21.21
19520.00	Average	V	-	-	-63.12	-6.04	-9.54	28.30	53.98	-25.68
19520.00	Peak	V	-	-	-51.70	-6.04	-9.54	39.72	73.98	-34.26

Table 7-17. Radiated Measurements TxBF

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Plot 7-138. Radiated Spurious Emissions 1-18 GHz TxBF (1 Mbps ePA – Ch. 39)

Bluetooth Mode: LE
Data Rate: 1 Mbps
Power Scheme: ePA
Distance of Measurements: 3 Meters
Operating Frequency: 2480 MHz
Channel: 39

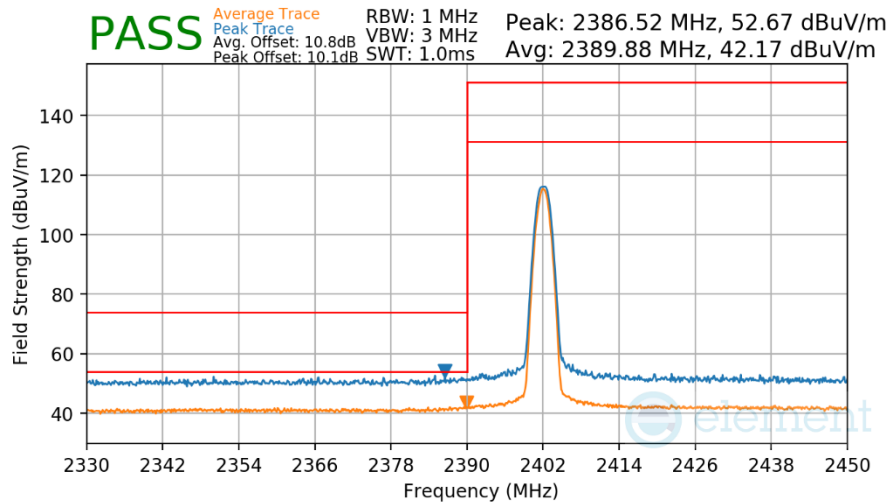
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Dist. Corr. Factor [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4960.00	Avg	H	-	-	-79.95	5.71	0.00	32.76	53.98	-21.22
4960.00	Peak	H	-	-	-68.54	5.71	0.00	44.17	73.98	-29.81
7440.00	Avg	V	150	192	-71.53	10.24	0.71	46.42	53.98	-7.56
7440.00	Peak	V	150	192	-63.73	10.24	0.71	54.22	73.98	-19.76
12400.00	Avg	H	-	-	-80.70	15.20	0.00	41.50	53.98	-12.48
12400.00	Peak	H	-	-	-70.22	15.20	0.00	51.98	73.98	-22.00

Table 7-18. Radiated Measurements TxBF

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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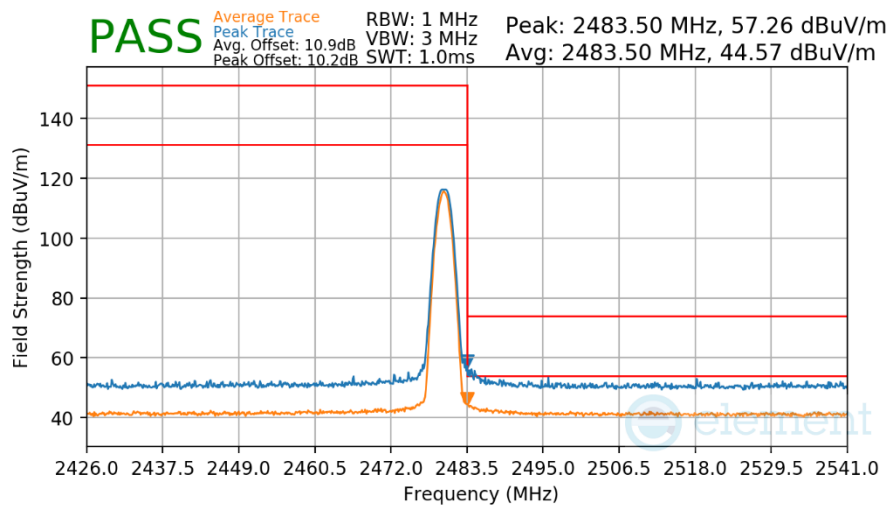
7.8.2 Antenna WF8 Radiated Restricted Band Edge Measurements

Bluetooth Mode:	LE
Data Rate:	1 Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2402 MHz
Channel:	37



Plot 7-139. Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Average & Peak)

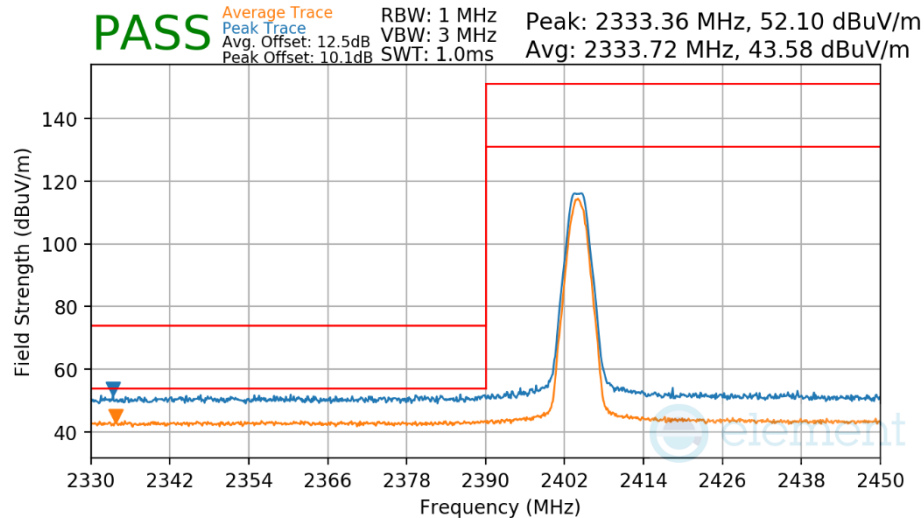
Bluetooth Mode:	LE
Data Rate:	1 Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480 MHz
Channel:	39



Plot 7-140. Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Average & Peak)

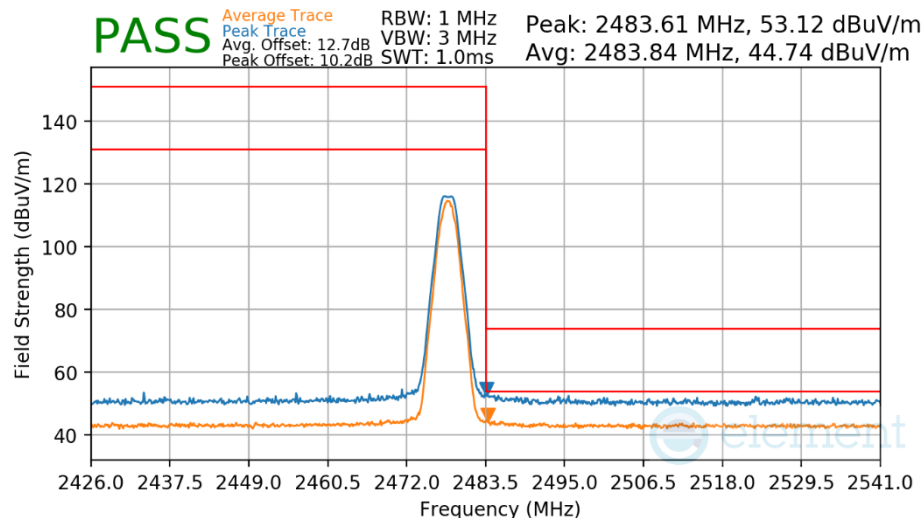
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030025-04-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 114 of 137

Bluetooth Mode:	LE
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-141. Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Average & Peak)

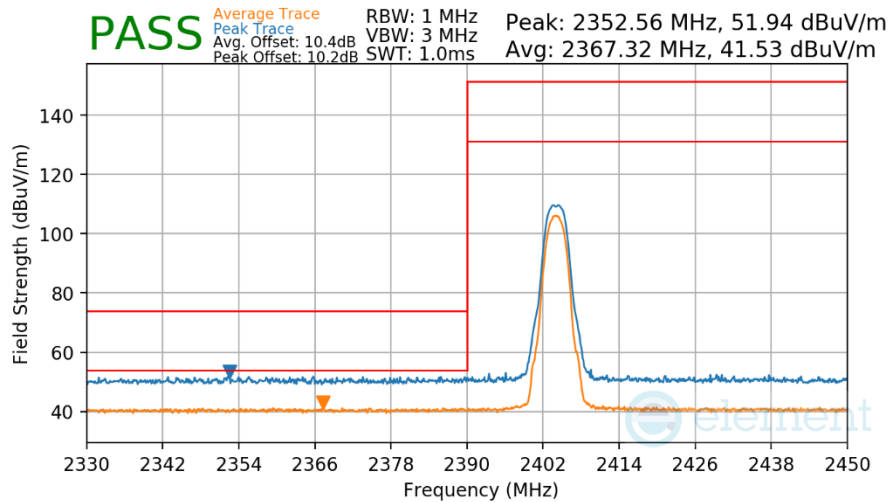
Bluetooth Mode:	LE
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2478 MHz
Channel:	36



Plot 7-142. Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Average & Peak)

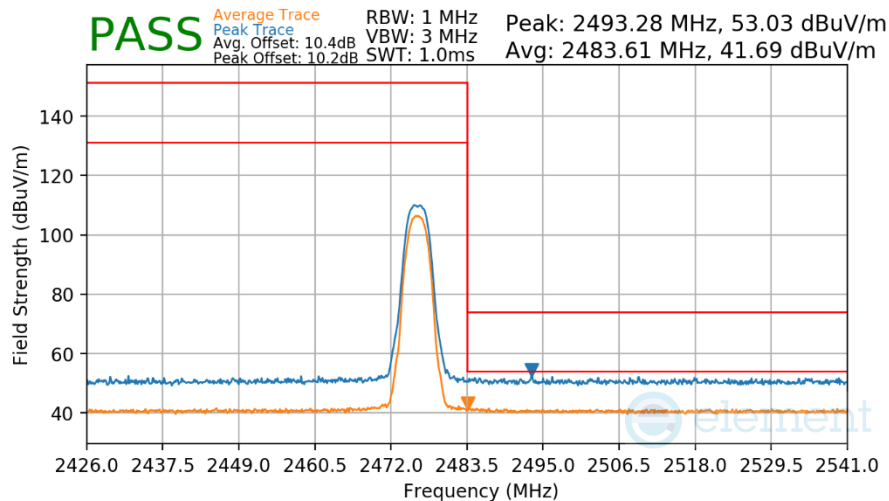
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Bluetooth Mode:	HDT2
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-143. Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Average & Peak)

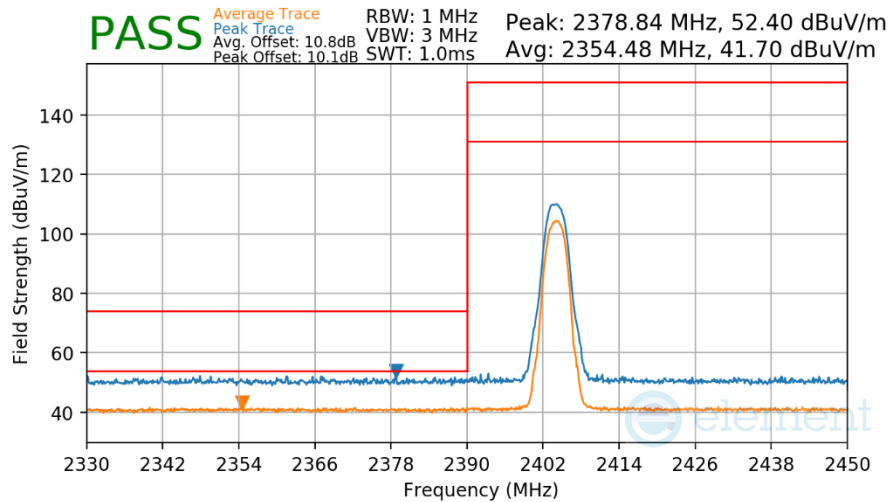
Bluetooth Mode:	HDT2
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2476 MHz
Channel:	35



Plot 7-144. Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Average & Peak)

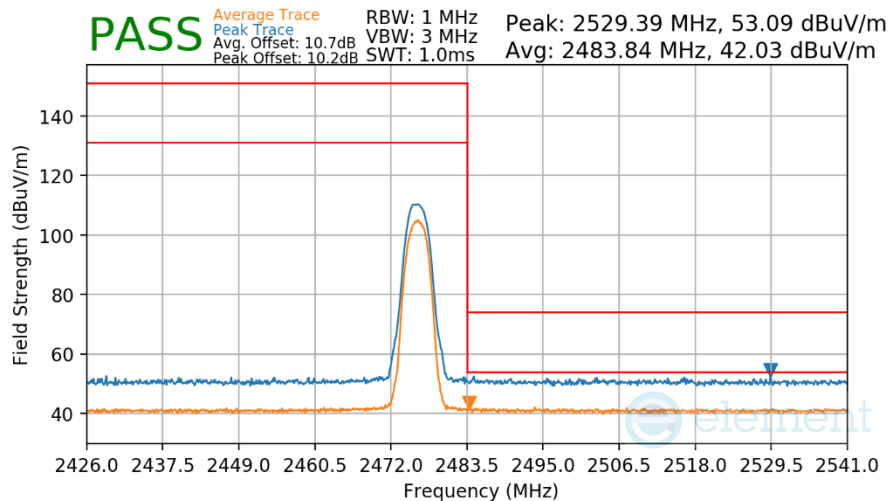
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Bluetooth Mode:	HDT8
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-145. Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Average & Peak)

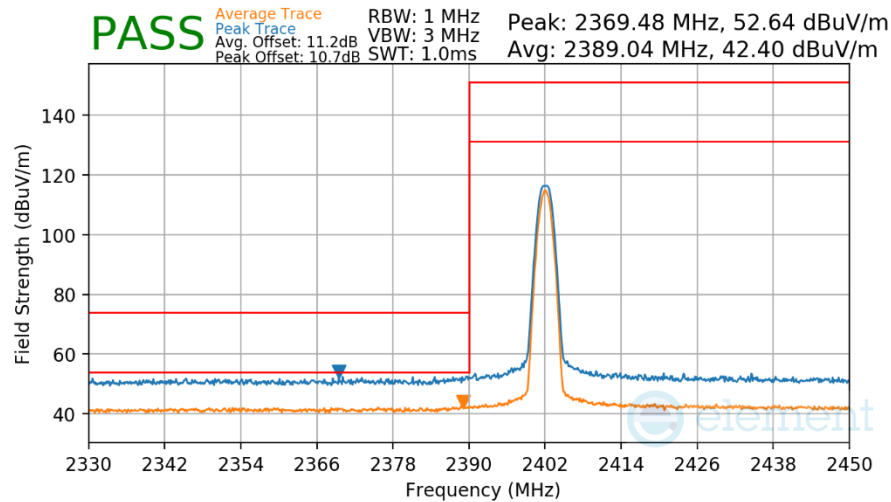
Bluetooth Mode:	HDT8
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2476 MHz
Channel:	35



Plot 7-146. Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Average & Peak)

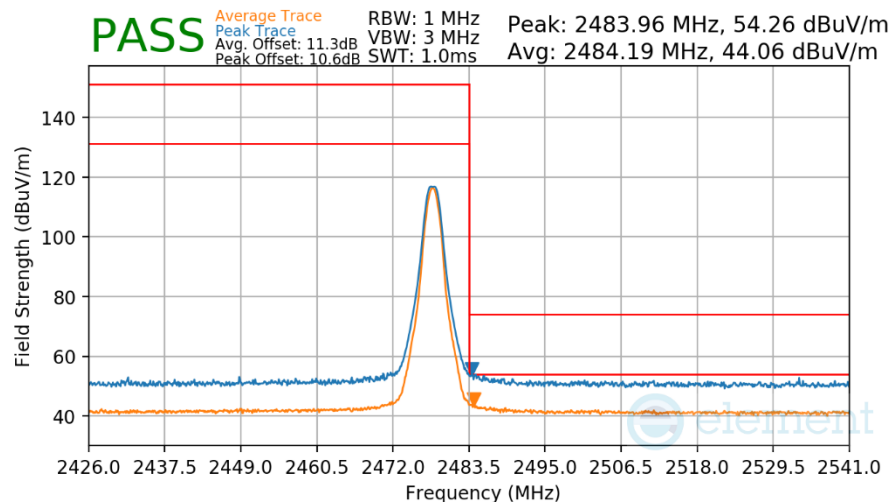
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Bluetooth Mode:	BTCSM1_LE1M
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2402 MHz
Channel:	37



Plot 7-147. Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Average & Peak)

Bluetooth Mode:	BTCSM1_LE1M
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480 MHz
Channel:	39

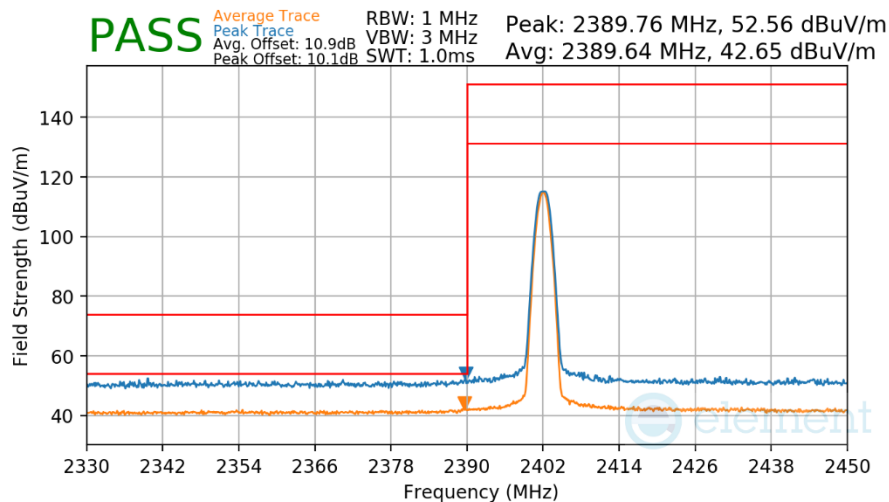


Plot 7-148. Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Average & Peak)

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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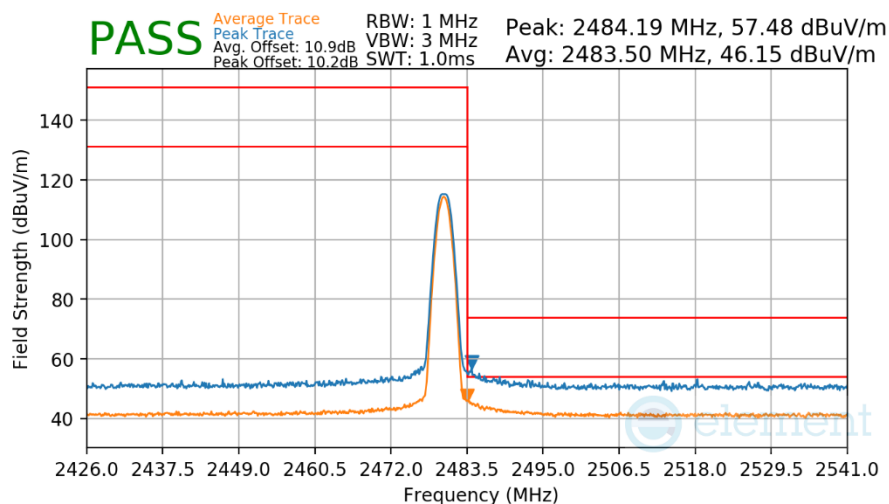
7.8.3 Antenna WF7 Radiated Restricted Band Edge Measurements

Bluetooth Mode:	LE
Data Rate:	1 Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2402 MHz
Channel:	37



Plot 7-149. Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Average & Peak)

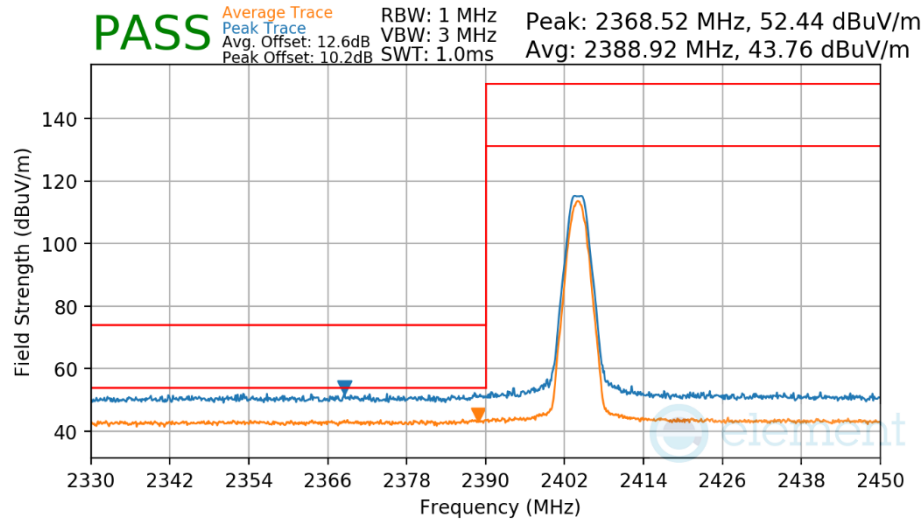
Bluetooth Mode:	LE
Data Rate:	1 Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480 MHz
Channel:	39



Plot 7-150. Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Average & Peak)

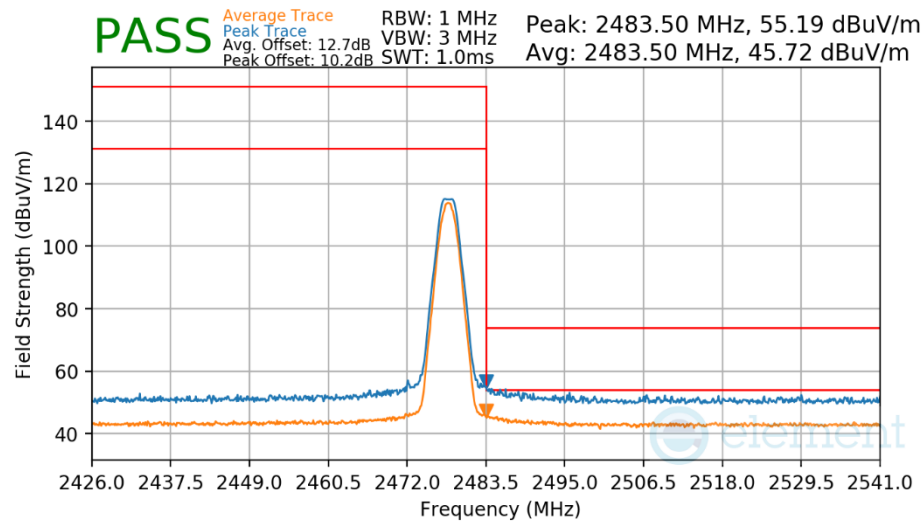
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030025-04-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 119 of 137

Bluetooth Mode:	LE
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-151. Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Average & Peak)

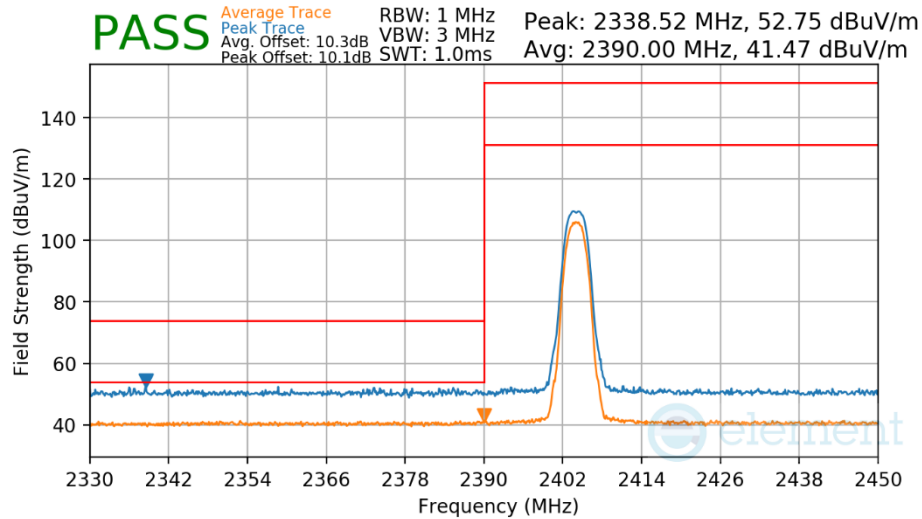
Bluetooth Mode:	LE
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2478 MHz
Channel:	36



Plot 7-152. Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Average & Peak)

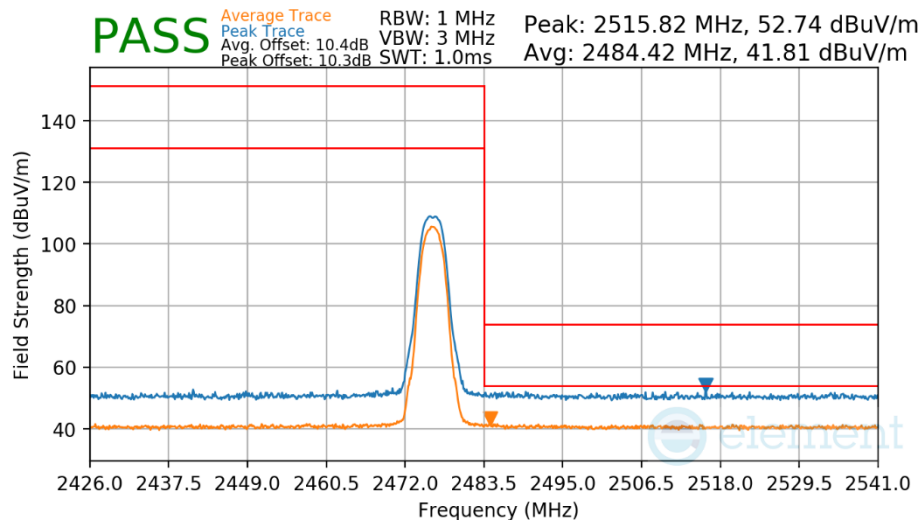
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030025-04-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 120 of 137

Bluetooth Mode:	HDT2
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-153. Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Average & Peak)

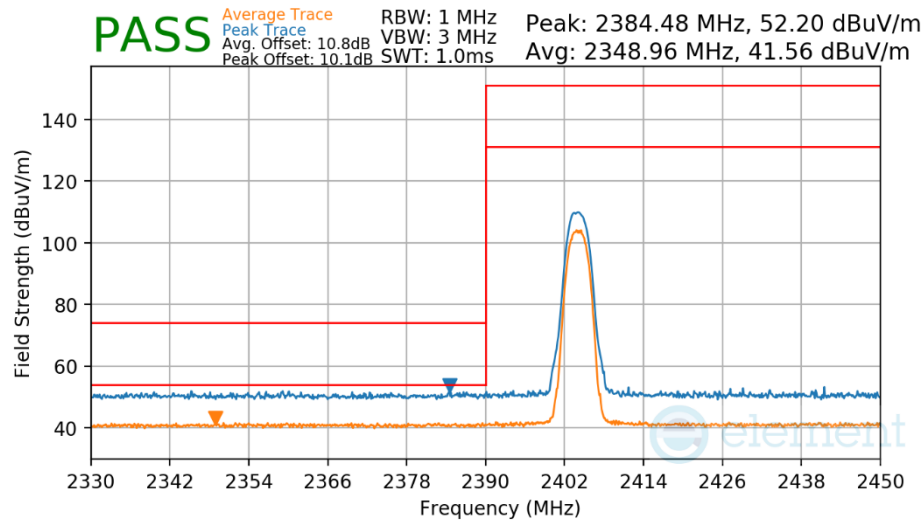
Bluetooth Mode:	HDT2
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2476 MHz
Channel:	35



Plot 7-154. Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Average & Peak)

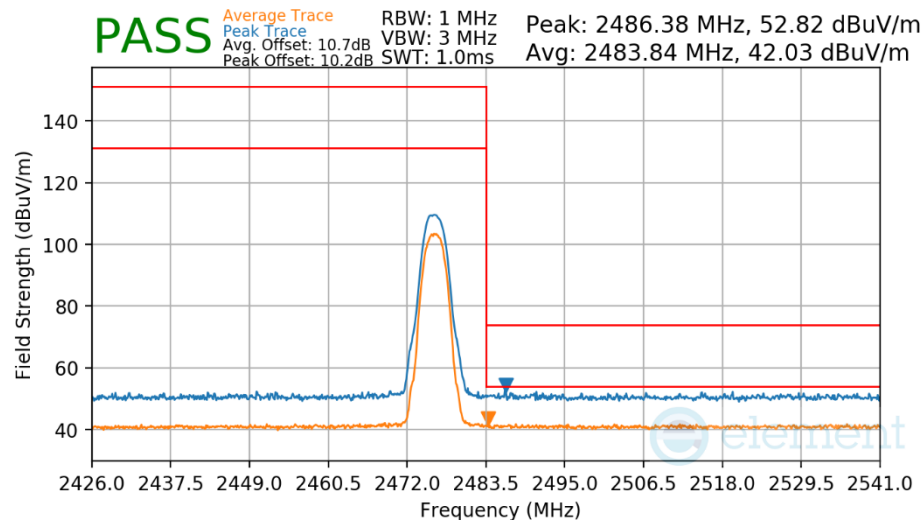
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030025-04-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 121 of 137

Bluetooth Mode:	HDT8
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-155. Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Average & Peak)

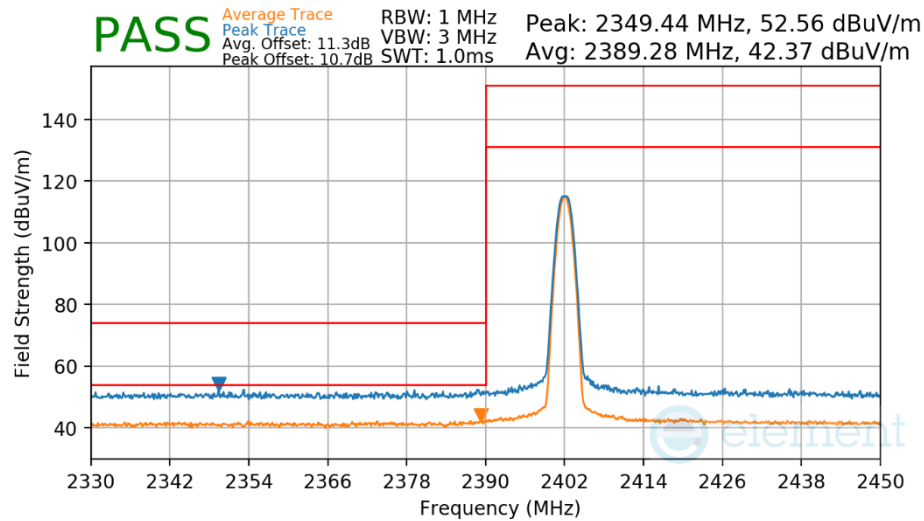
Bluetooth Mode:	HDT8
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2476 MHz
Channel:	35



Plot 7-156. Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Average & Peak)

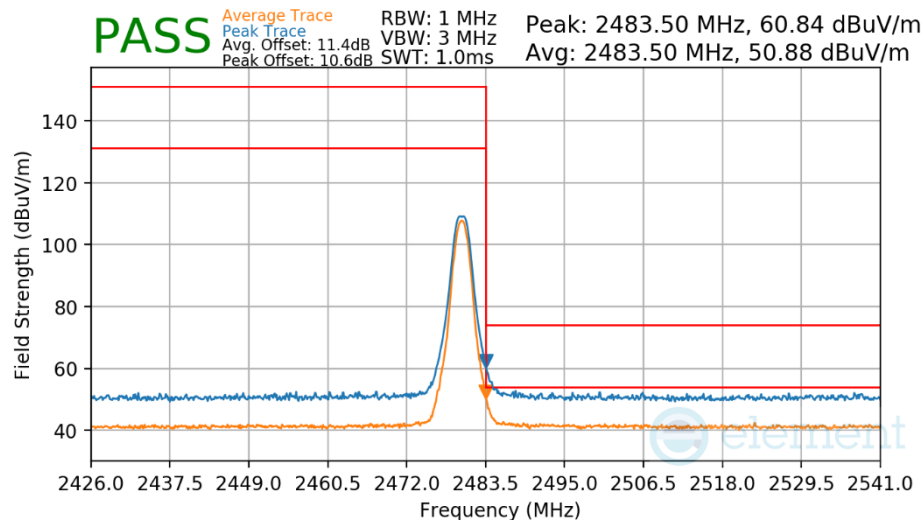
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030025-04-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 122 of 137

Bluetooth Mode:	BTCSM1_LE1M
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2402 MHz
Channel:	37



Plot 7-157. Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Average & Peak)

Bluetooth Mode:	BTCSM1_LE1M
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480 MHz
Channel:	39

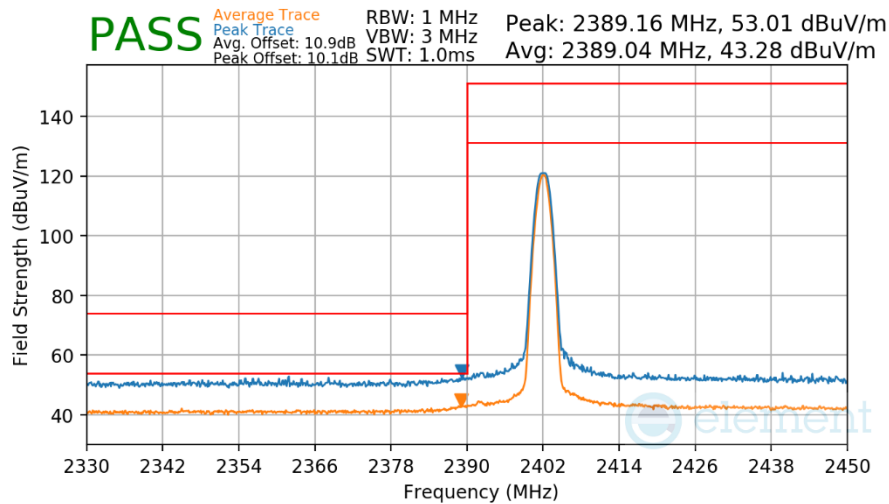


Plot 7-158. Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Average & Peak)

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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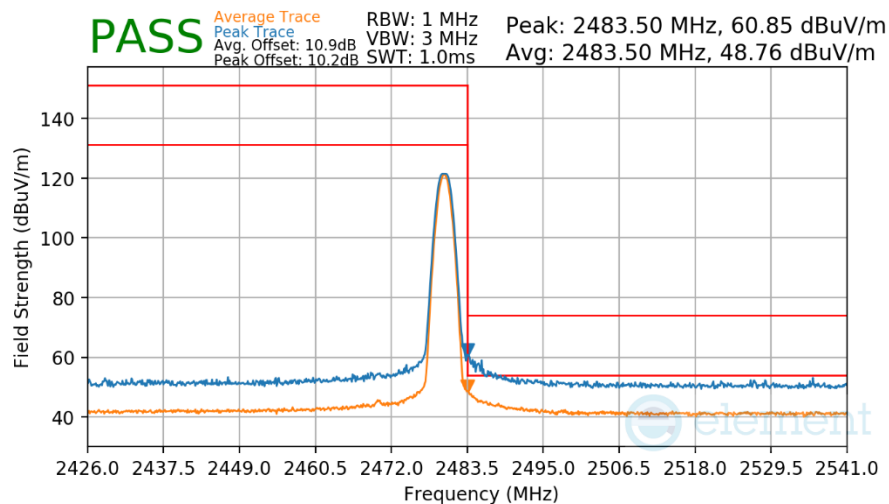
7.8.4 TxBF Radiated Restricted Band Edge Measurements

Bluetooth Mode:	LE
Data Rate:	1 Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2402 MHz
Channel:	37



Plot 7-159. Radiated Restricted Lower Band Edge Measurement TxBF (Average & Peak)

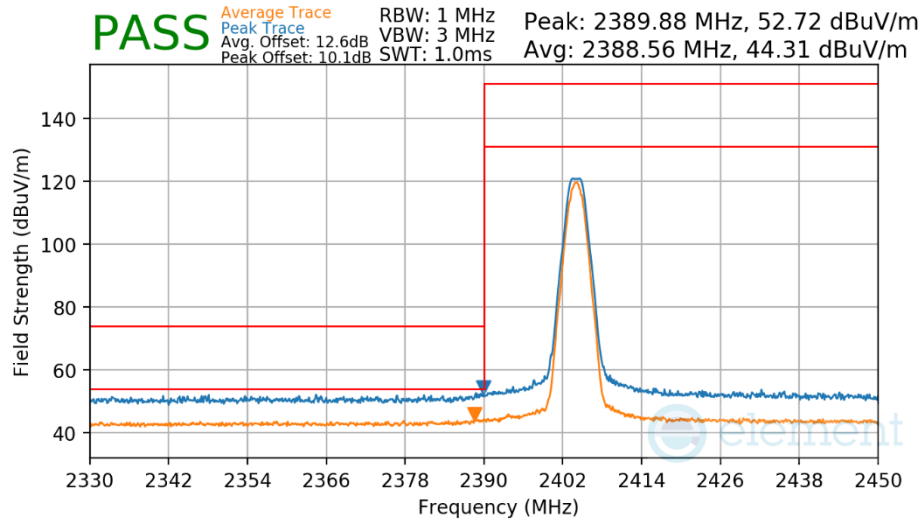
Bluetooth Mode:	LE
Data Rate:	1 Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480 MHz
Channel:	39



Plot 7-160. Radiated Restricted Upper Band Edge Measurement TxBF (Average & Peak)

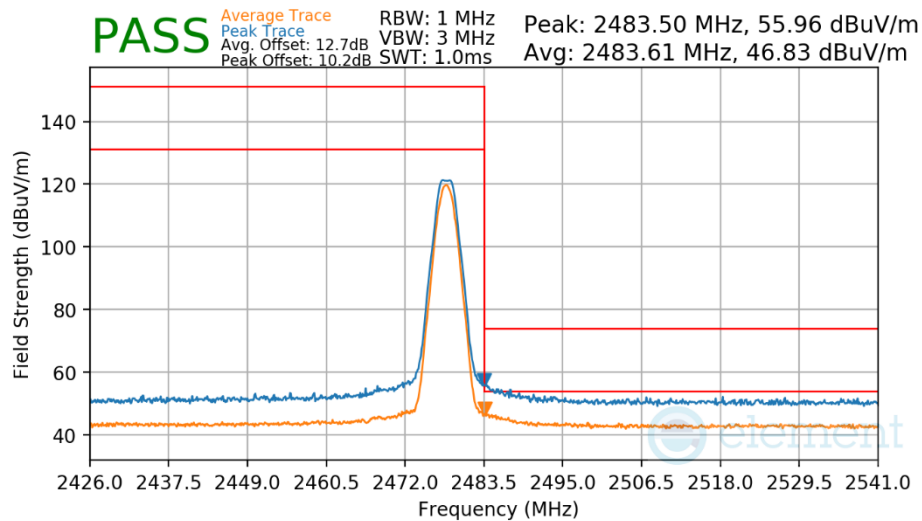
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Bluetooth Mode:	LE
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-161. Radiated Restricted Lower Band Edge Measurement TxBF (Average & Peak)

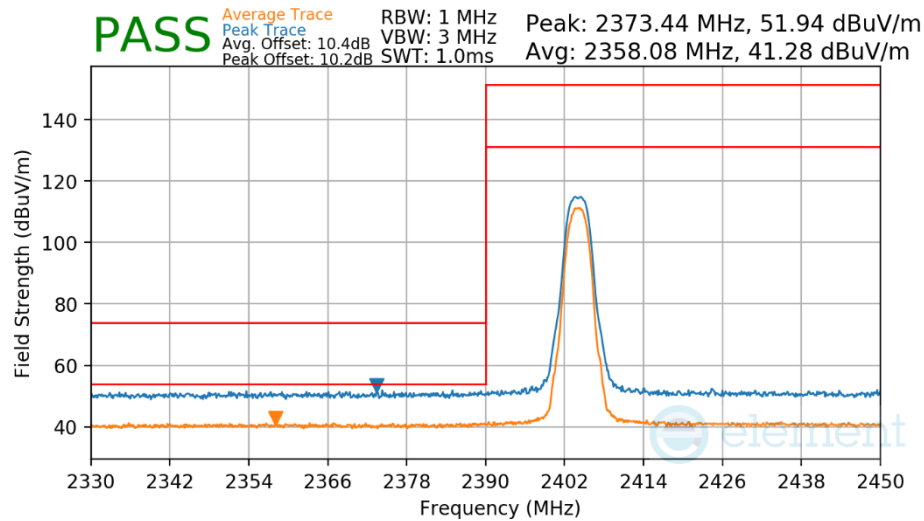
Bluetooth Mode:	LE
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2478 MHz
Channel:	36



Plot 7-162. Radiated Restricted Upper Band Edge Measurement TxBF (Average & Peak)

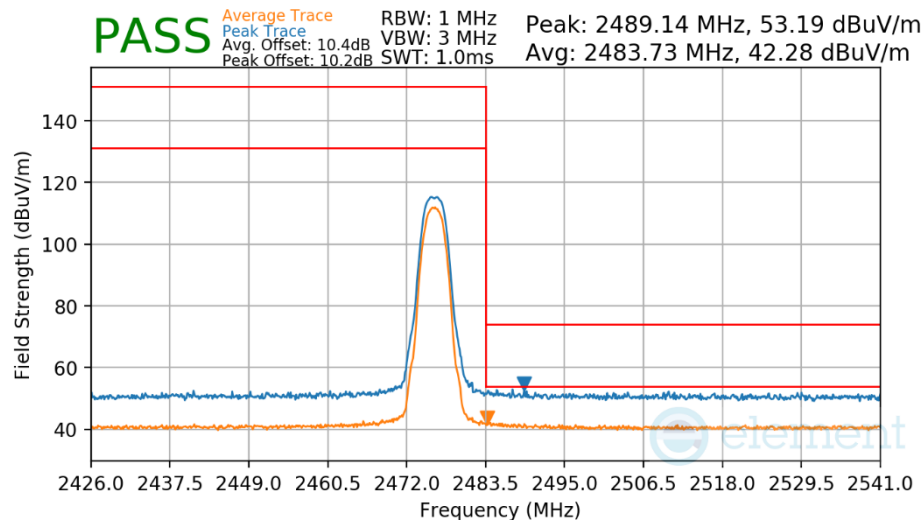
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Bluetooth Mode:	HDT2
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-163. Radiated Restricted Lower Band Edge Measurement TxBF (Average & Peak)

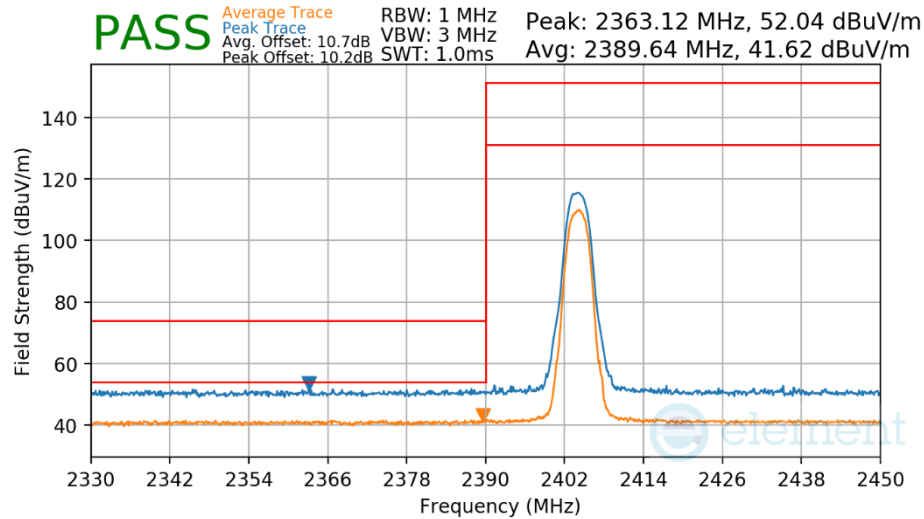
Bluetooth Mode:	HDT2
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2476 MHz
Channel:	35



Plot 7-164. Radiated Restricted Upper Band Edge Measurement TxBF (Average & Peak)

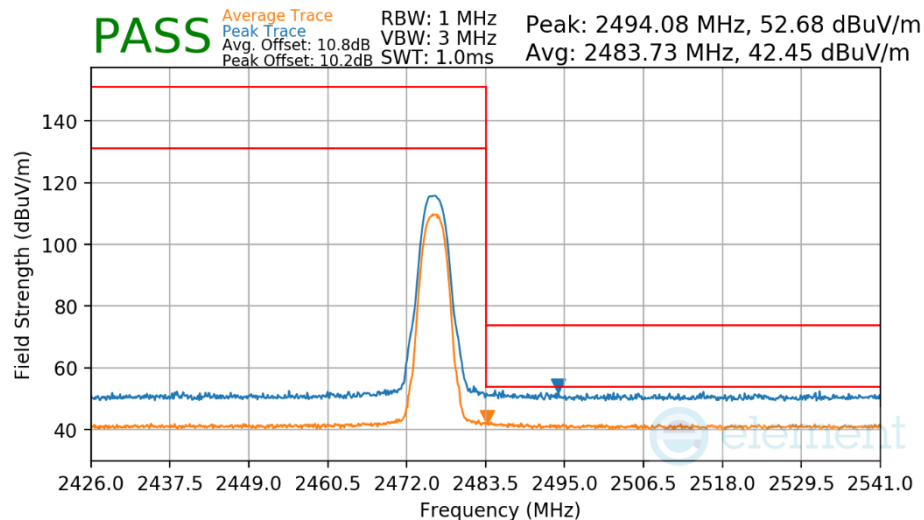
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030025-04-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 126 of 137

Bluetooth Mode:	HDT8
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	0



Plot 7-165. Radiated Restricted Lower Band Edge Measurement TxBF (Average & Peak)

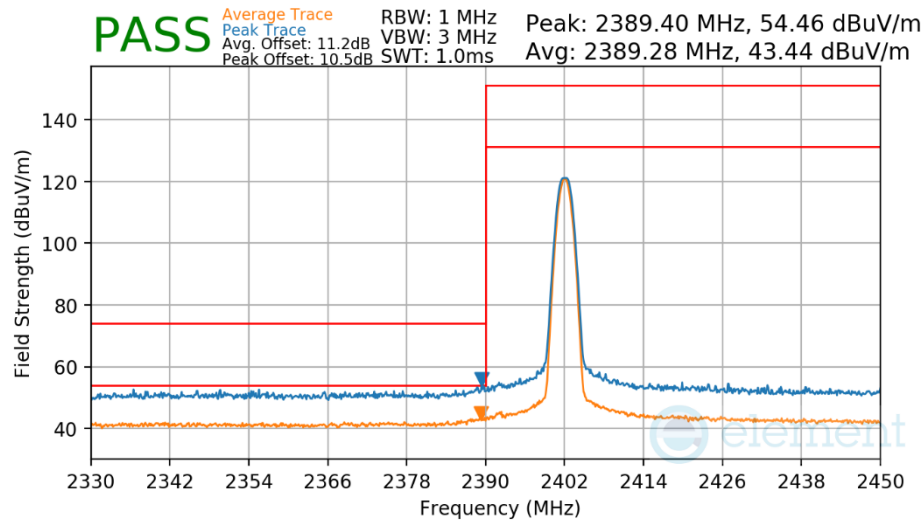
Bluetooth Mode:	HDT8
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2476 MHz
Channel:	35



Plot 7-166. Radiated Restricted Upper Band Edge Measurement TxBF (Average & Peak)

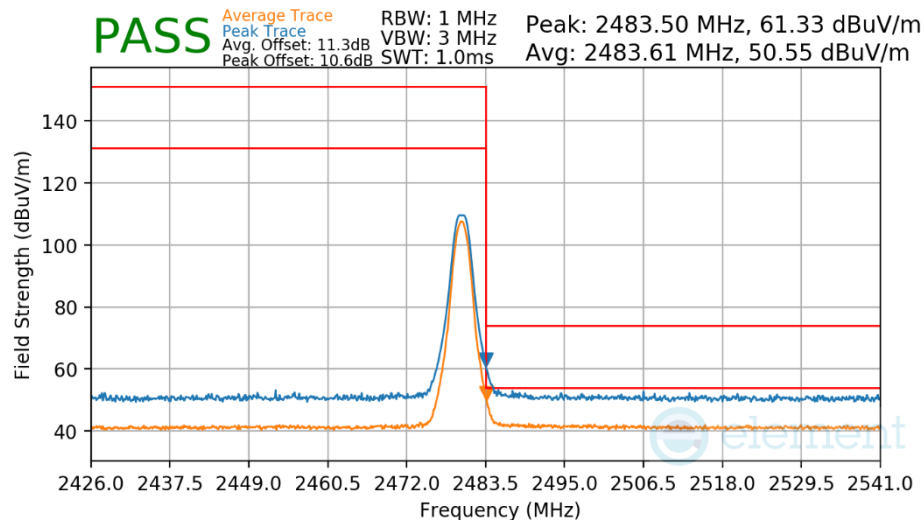
FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030025-04-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 127 of 137

Bluetooth Mode:	BTCSM1_LE1M
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2402 MHz
Channel:	37



Plot 7-167. Radiated Restricted Lower Band Edge Measurement TxBF (Average & Peak)

Bluetooth Mode:	BTCSM1_LE1M
Data Rate:	2Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480 MHz
Channel:	39



Plot 7-168. Radiated Restricted Upper Band Edge Measurement TxBF (Average & Peak)

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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7.9 Radiated Spurious Emissions – Below 1 GHz

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 (7.5) must not exceed the limits shown in Table 7-19 per Section 15.209 and RSS-Gen (7.4.3).

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 7-19. Radiated Limits

Test Procedures Used

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

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 = 120 kHz (for emissions from 30 MHz – 1 GHz)
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 = 120 kHz (for emissions from 30 MHz – 1 GHz)
3. VBW = 300 kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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Test Setup

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

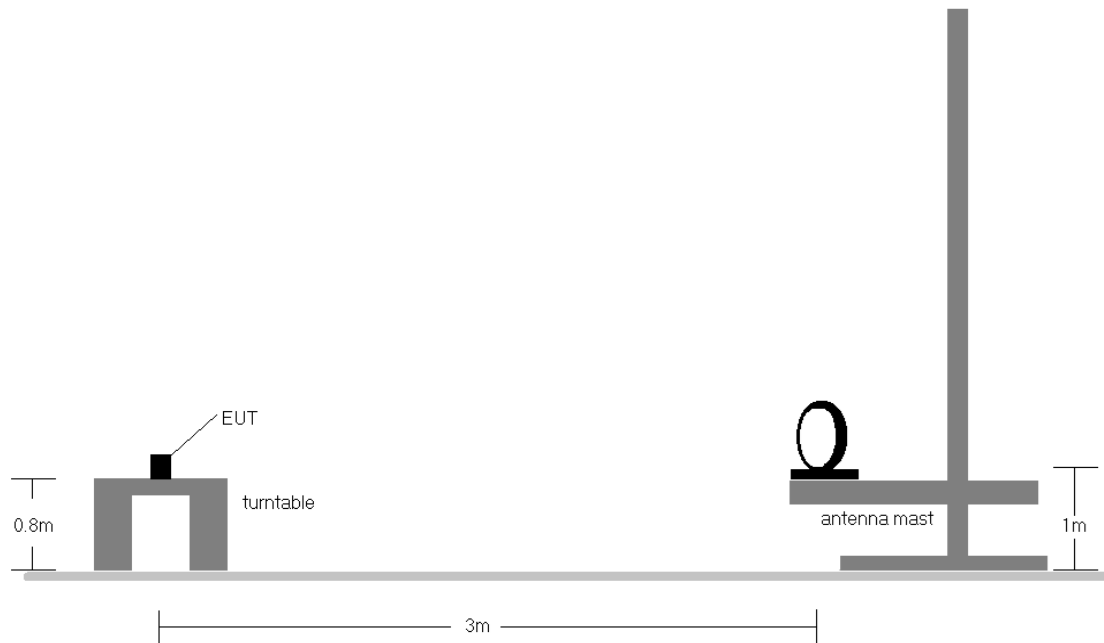


Figure 7-8. Radiated Test Setup < 30 MHz

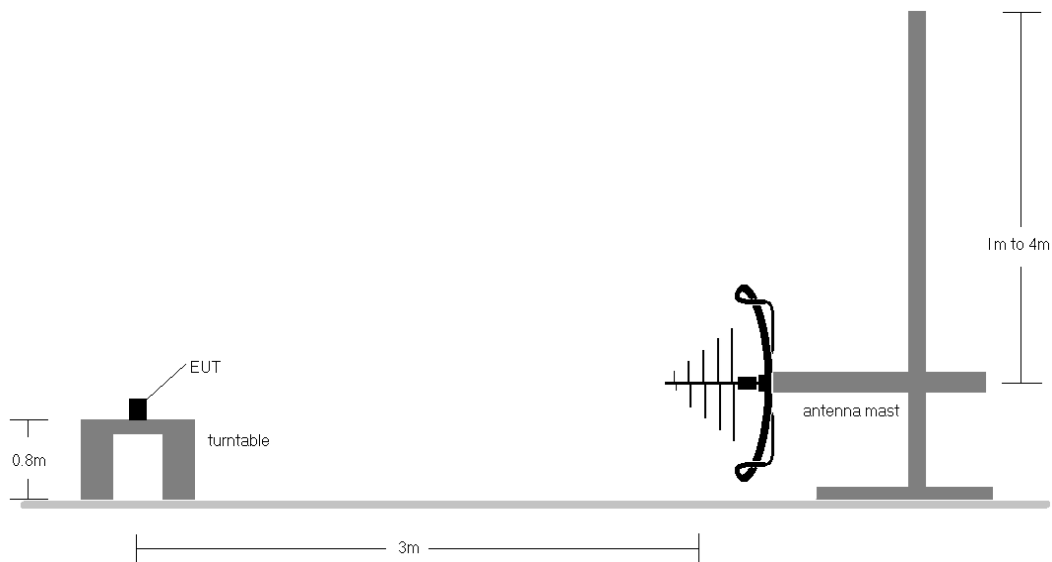


Figure 7-9. Radiated Test Setup < 1 GHz

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Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (7.5) are below the limit shown in Table 7-19.
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 30 MHz 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 6 dB 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 20 dB of the limit below 30 MHz.
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 supported modulation, antenna (including TxBF mode) and power schemes have been tested on the unit and only worst case configuration is reported.
10. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger

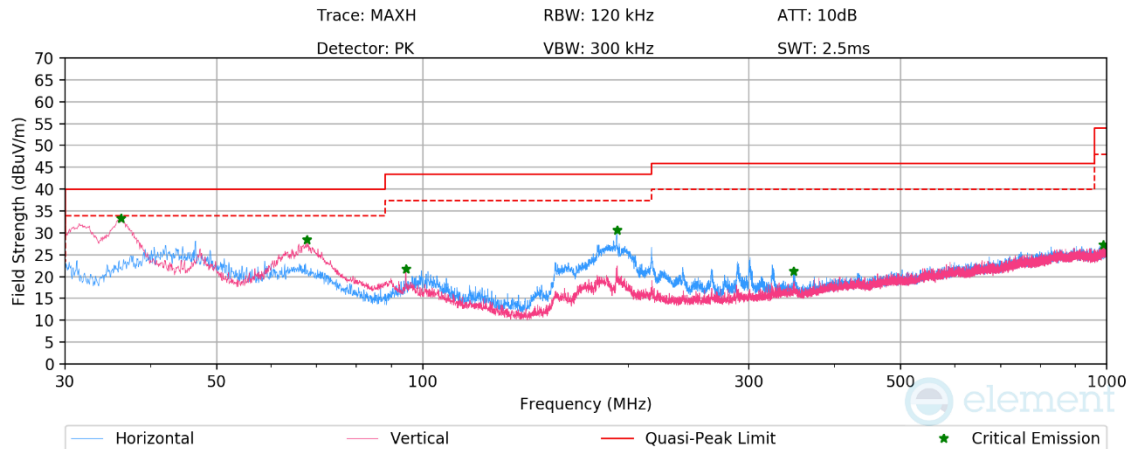
Sample Calculations

Determining Spurious Emissions Levels

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

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7.9.1 TxBF Radiated Spurious Emissions Measurements (Below 1 GHz)



Plot 7-169. Radiated Spurious Emissions Below 1 GHz TxBF (1 Mbps, ePA – Ch.17, Pol. H & V, 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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
36.24	Max-Peak	V	100	11	-53.48	-20.14	33.38	40.00	-6.62
67.74	Max-Peak	V	100	212	-57.56	-21.01	28.43	40.00	-11.57
94.50	Max-Peak	V	100	133	-65.03	-20.21	21.77	43.50	-21.73
192.37	Max-Peak	H	100	208	-57.72	-18.71	30.57	43.50	-12.93
348.73	Max-Peak	H	100	75	-71.86	-13.95	21.19	46.00	-24.81
988.66	Max-Peak	H	100	360	-76.14	-3.58	27.27	54.00	-26.73

Table 7-20. Radiated Spurious Emissions Below 1 GHz TxBF (1 Mbps, ePA – Ch.17, Pol. H & V, with AC/DC Adapter)

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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7.10 AC Line-Conducted Emissions

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 (7.4.2).

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

Table 7-21. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, 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 = 9 kHz (for emissions from 150 kHz – 30 MHz)
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 150 kHz – 30 MHz)
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.

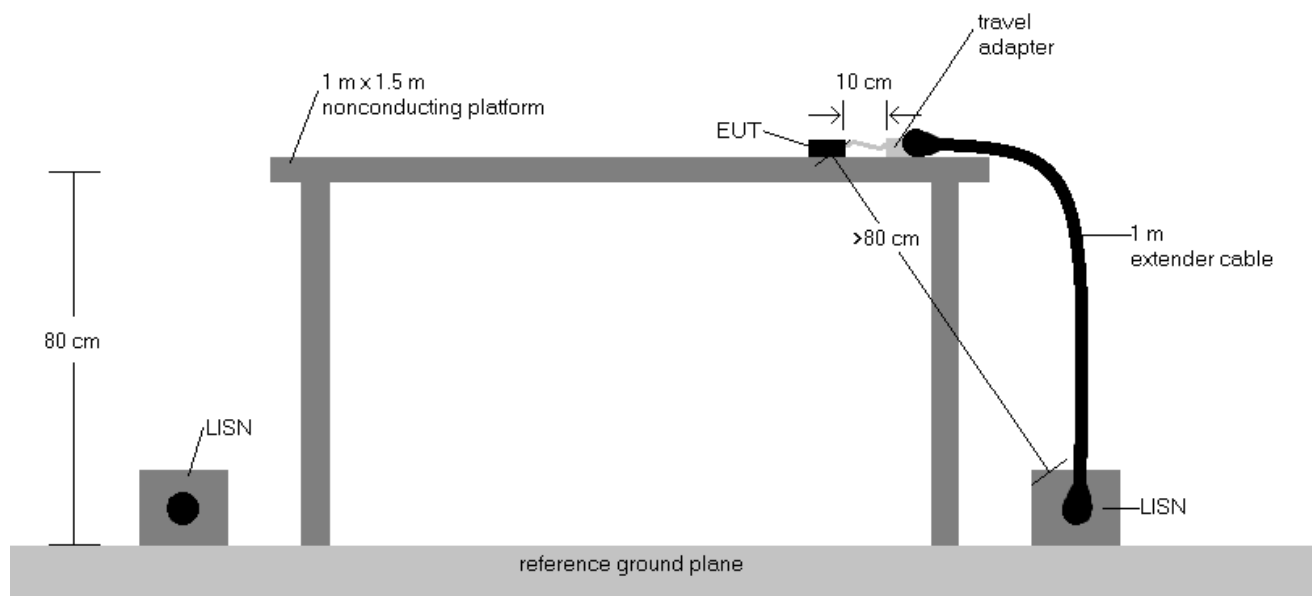
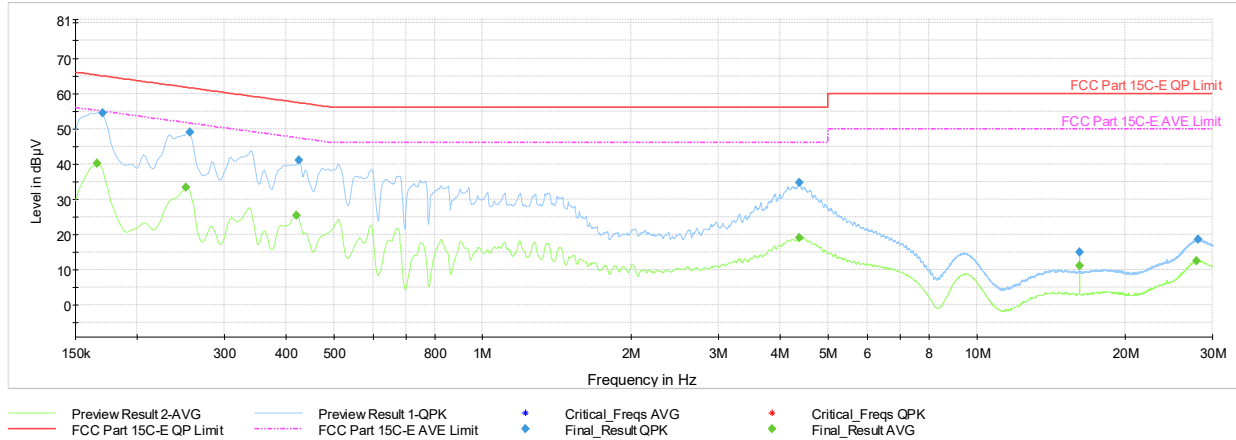


Figure 7-10. Test Instrument & Measurement Setup

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 150 kHz to 30 MHz are specified in Part 15.207 and RSS-Gen (7.4.2).
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 a quasi peak and average detectors.
8. Deviations to the Specifications: None.

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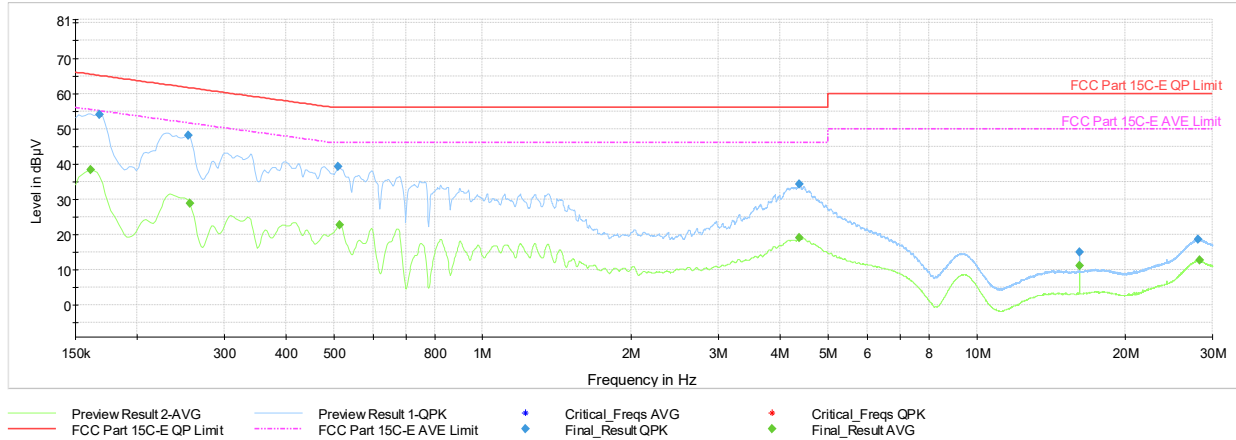


Plot 7-170. AC Line Conducted Plot with Bluetooth LE Tx BF (L1, 1 Mbps ePA – Ch.17 with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	---	40.12	55.17	-15.05	L1	GND
0.170	FINAL	54.57	---	64.95	-10.38	L1	GND
0.251	FINAL	---	33.30	51.72	-18.42	L1	GND
0.256	FINAL	49.06	---	61.57	-12.51	L1	GND
0.420	FINAL	---	25.40	47.45	-22.05	L1	GND
0.425	FINAL	41.01	---	57.36	-16.35	L1	GND
4.371	FINAL	34.67	---	56.00	-21.33	L1	GND
4.371	FINAL	---	19.17	46.00	-26.83	L1	GND
16.152	FINAL	---	11.18	50.00	-38.82	L1	GND
16.154	FINAL	14.97	---	60.00	-45.03	L1	GND
27.890	FINAL	---	12.63	50.00	-37.37	L1	GND
28.091	FINAL	18.70	---	60.00	-41.30	L1	GND

Table 7-22. AC Line Conducted Data with Bluetooth LE Tx BF (L1, 1 Mbps ePA – Ch.17 with AC/DC Adapter)

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Plot 7-171. AC Line Conducted Plot with Bluetooth LE Tx BF (N, 1 Mbps ePA – Ch.17, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.161	FINAL	---	38.36	55.40	-17.04	N	GND
0.168	FINAL	54.13	---	65.06	-10.93	N	GND
0.254	FINAL	48.18	---	61.64	-13.46	N	GND
0.256	FINAL	---	28.81	51.57	-22.75	N	GND
0.510	FINAL	39.23	---	56.00	-16.77	N	GND
0.515	FINAL	---	22.84	46.00	-23.16	N	GND
4.376	FINAL	---	19.06	46.00	-26.94	N	GND
4.378	FINAL	34.39	---	56.00	-21.61	N	GND
16.148	FINAL	---	11.27	50.00	-38.73	N	GND
16.150	FINAL	14.98	---	60.00	-45.02	N	GND
28.061	FINAL	18.68	---	60.00	-41.33	N	GND
28.286	FINAL	---	12.65	50.00	-37.35	N	GND

Table 7-23. AC Line Conducted Data with Bluetooth LE Tx BF (N, 1 Mbps ePA – Ch.17 with AC/DC Adapter)

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3595 and IC: 579C-A3595** 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.

FCC ID: BCGA3595 IC: 579C-A3595	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 4/23/2026 - 7/13/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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