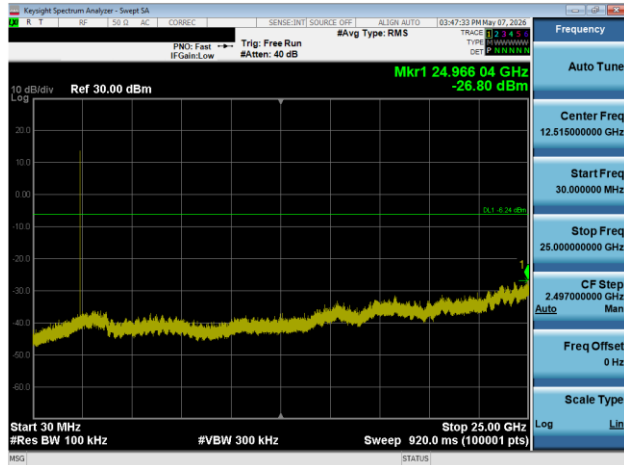
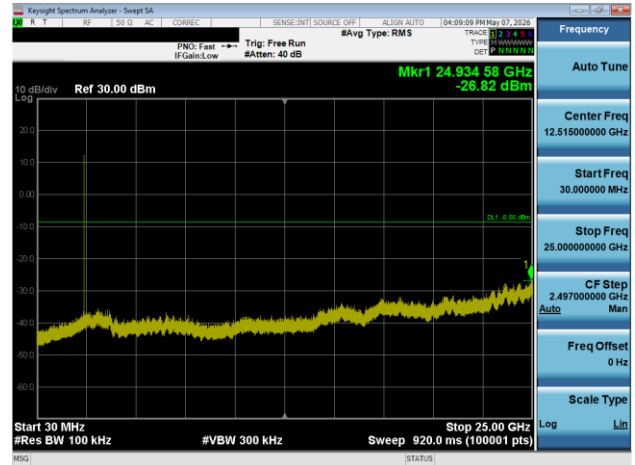
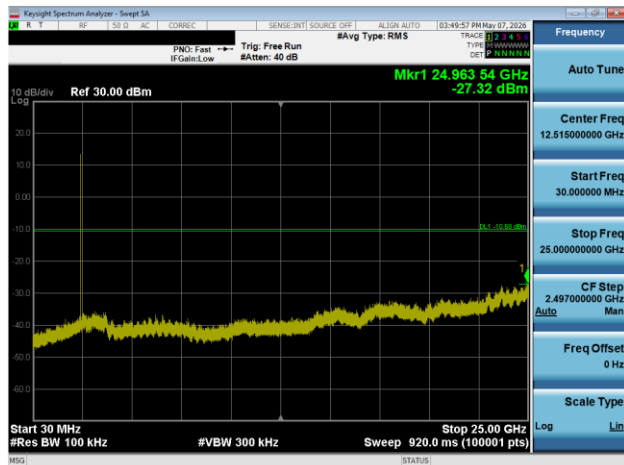




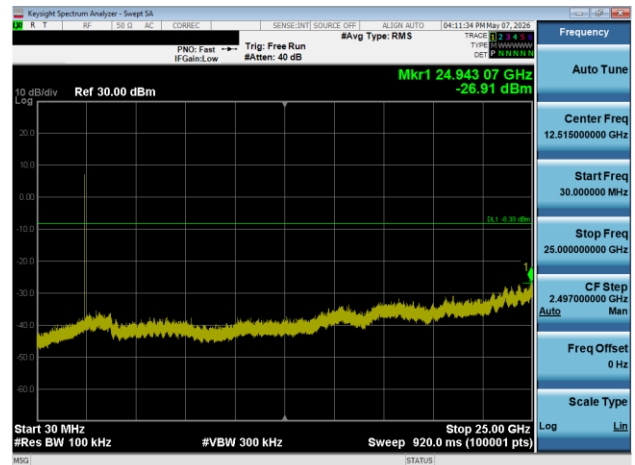
Plot 7-207. Conducted Spurious Plot Antenna WF8 (Bluetooth (XHDRPM6), 6 Mbps, ePA – Ch. 1)



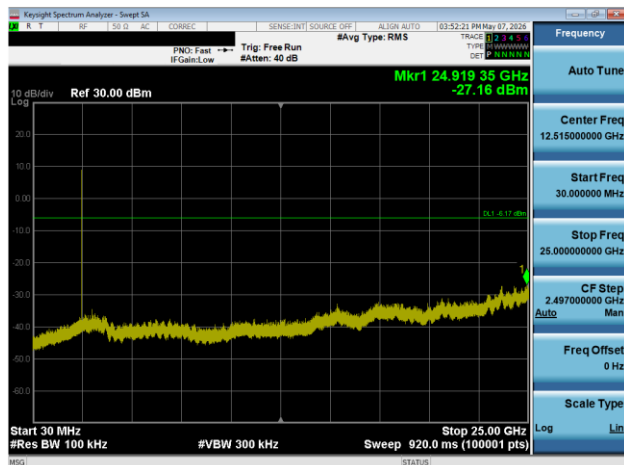
Plot 7-210. Conducted Spurious Plot Antenna WF8 (Bluetooth (HDRPM16), 16 Mbps, ePA – Ch. 1)



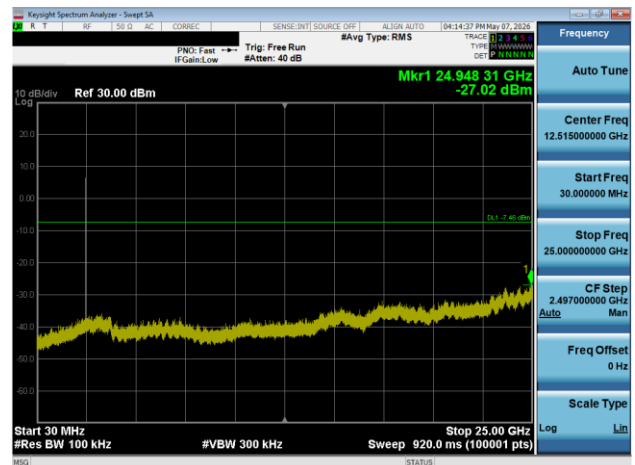
Plot 7-208. Conducted Spurious Plot Antenna WF8 (Bluetooth (XHDRPM6), 6 Mbps, ePA – Ch. 38)



Plot 7-211. Conducted Spurious Plot Antenna WF8 (Bluetooth (HDRPM16), 16 Mbps, ePA – Ch. 38)



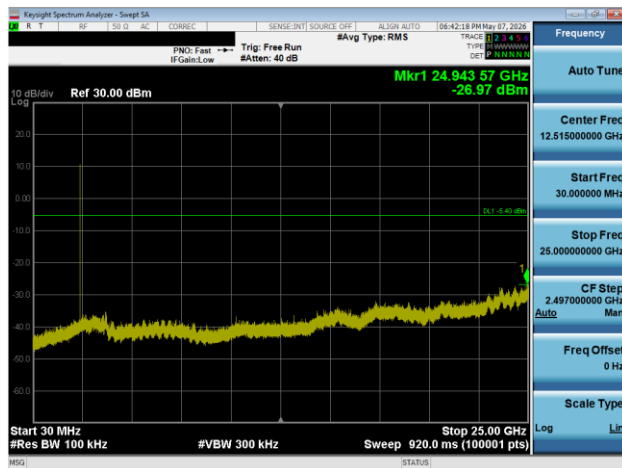
Plot 7-209. Conducted Spurious Plot Antenna WF8 (Bluetooth (XHDRPM6), 6 Mbps, ePA – Ch. 73)



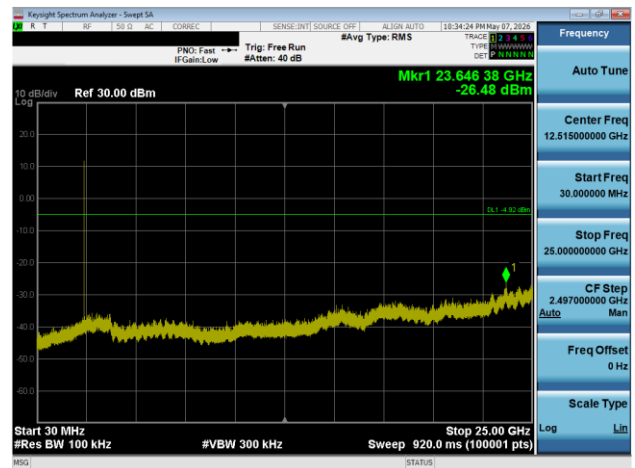
Plot 7-212. Conducted Spurious Plot Antenna WF8 (Bluetooth (HDRPM16), 16 Mbps, ePA – Ch. 73)

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG			Page 76 of 108
Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device		

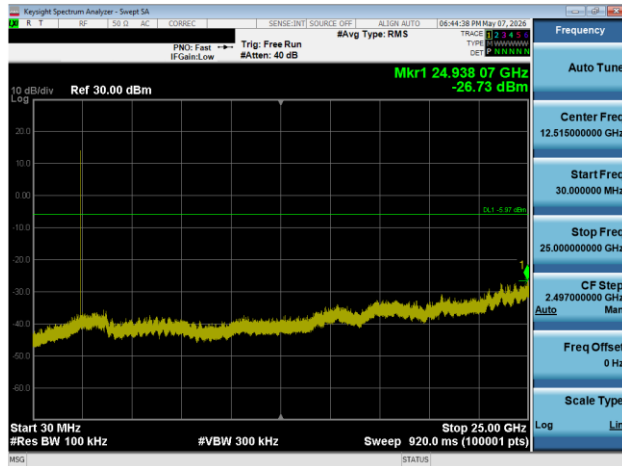
7.7.2 Antenna WF7



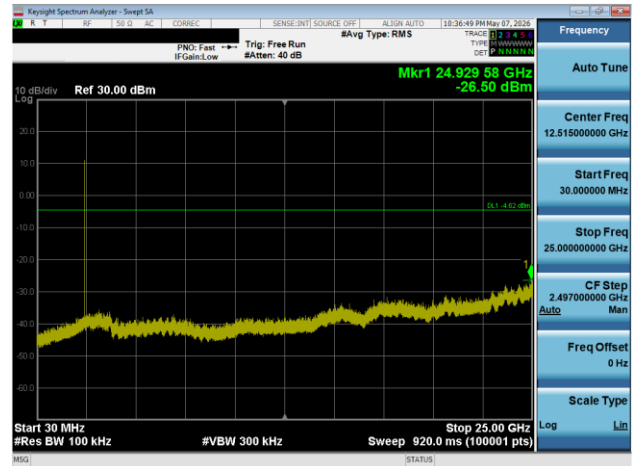
Plot 7-213. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 1)



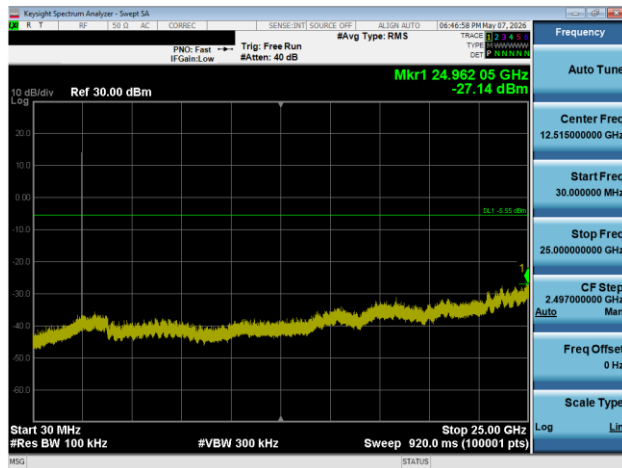
Plot 7-216. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDRPS2), 2 Mbps, ePA – Ch. 1)



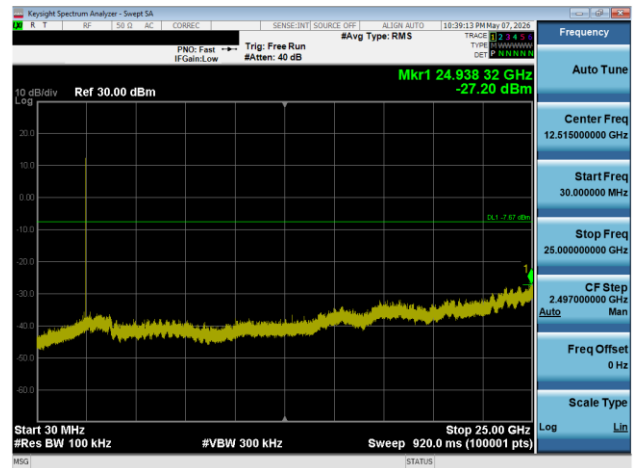
Plot 7-214. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 38)



Plot 7-217. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDRPS2), 2 Mbps, ePA – Ch. 38)

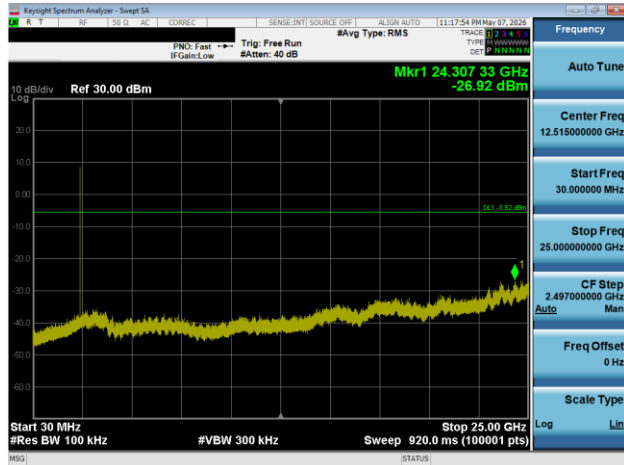


Plot 7-215. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 73)

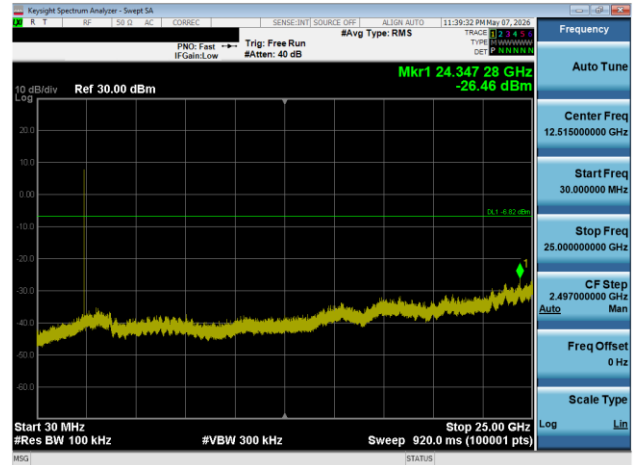


Plot 7-218. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDRPS2), 2 Mbps, ePA – Ch. 73)

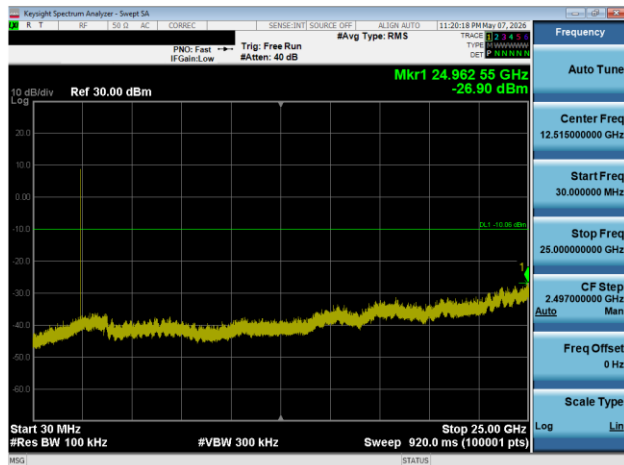
FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 77 of 108



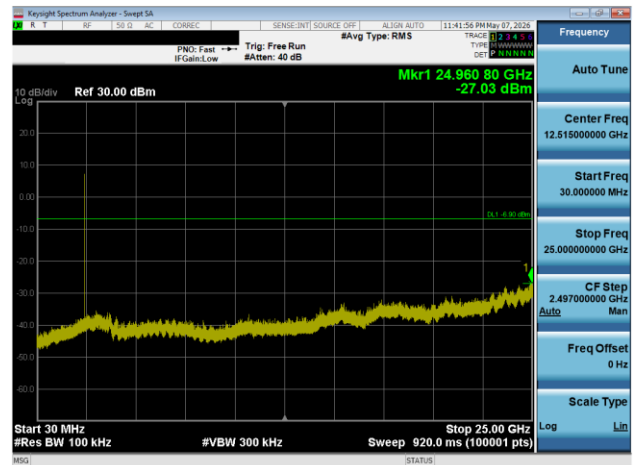
Plot 7-219. Conducted Spurious Plot Antenna WF7 (Bluetooth (XHDRPM6), 6 Mbps, ePA – Ch. 1)



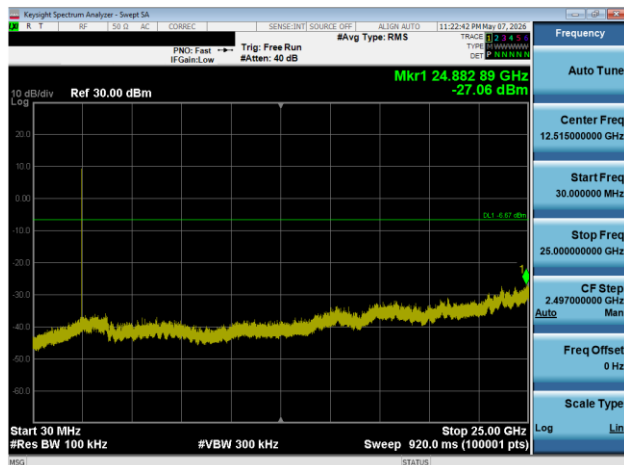
Plot 7-222. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDRPM16), 16 Mbps, ePA – Ch. 1)



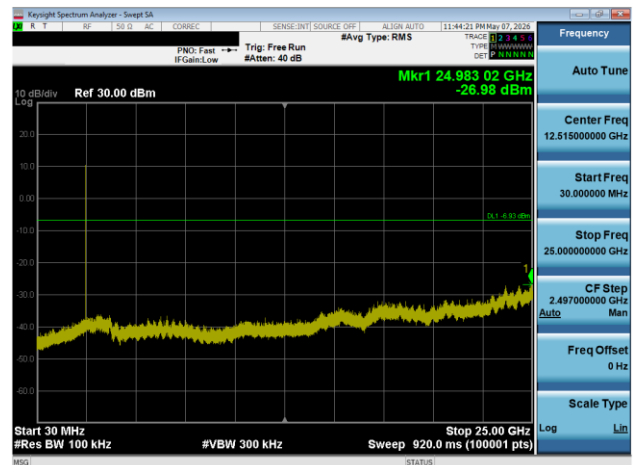
Plot 7-220. Conducted Spurious Plot Antenna WF7 (Bluetooth (XHDRPM6), 6 Mbps, ePA – Ch. 38)



Plot 7-223. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDRPM16), 16 Mbps, ePA – Ch. 38)



Plot 7-221. Conducted Spurious Plot Antenna WF7 (Bluetooth (XHDRPM6), 6 Mbps, ePA – Ch. 73)



Plot 7-224. Conducted Spurious Plot Antenna WF7 (Bluetooth (HDRPM16), 16 Mbps, ePA – Ch. 73)

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device		Page 78 of 108

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

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 79 of 108

Test Setup

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

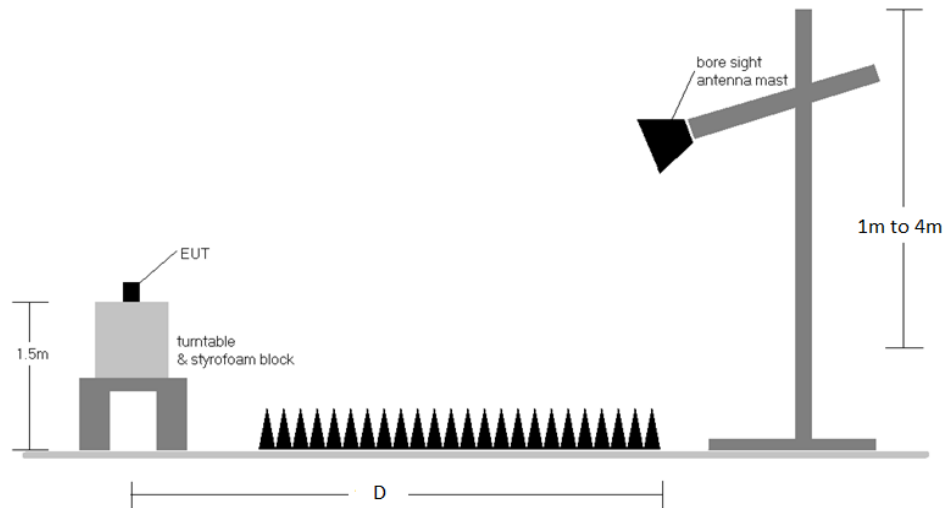


Figure 7-7. Radiated Test Setup >1 GHz

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.

FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 80 of 108

Sample Calculations

Determining Spurious Emissions Levels

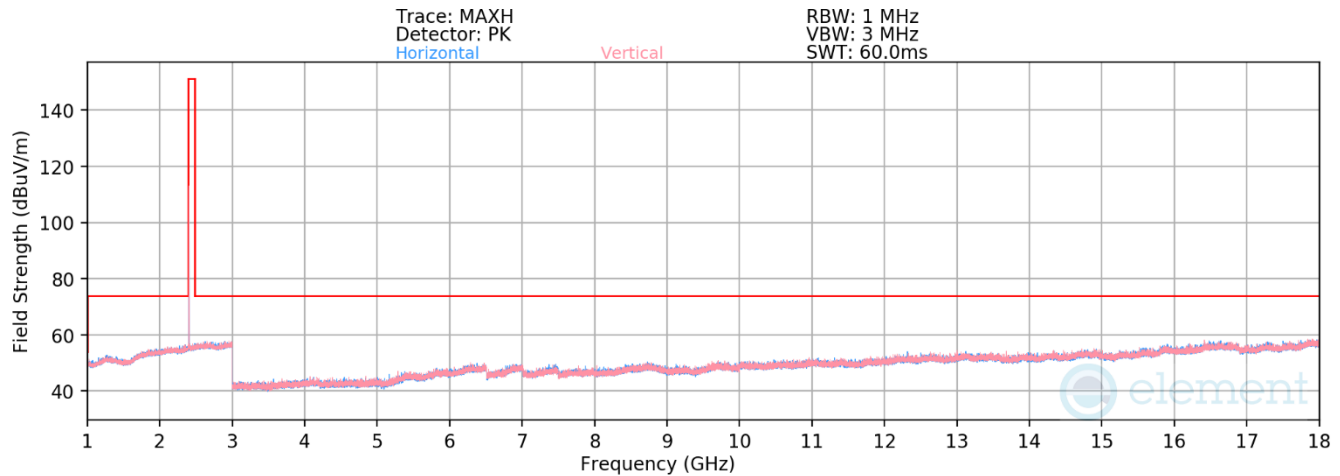
- Field Strength Level [dB μ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] – Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [dB μ V/m] – Limit [dB μ V/m]

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:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 81 of 108

7.8.1 TxBF Radiated Spurious Emission Measurements (Above 1 GHz)



Plot 7-225. Radiated Spurious Emissions 1-18 GHz TxBF (4 Mbps, HDR4, ePA – Ch. 1)

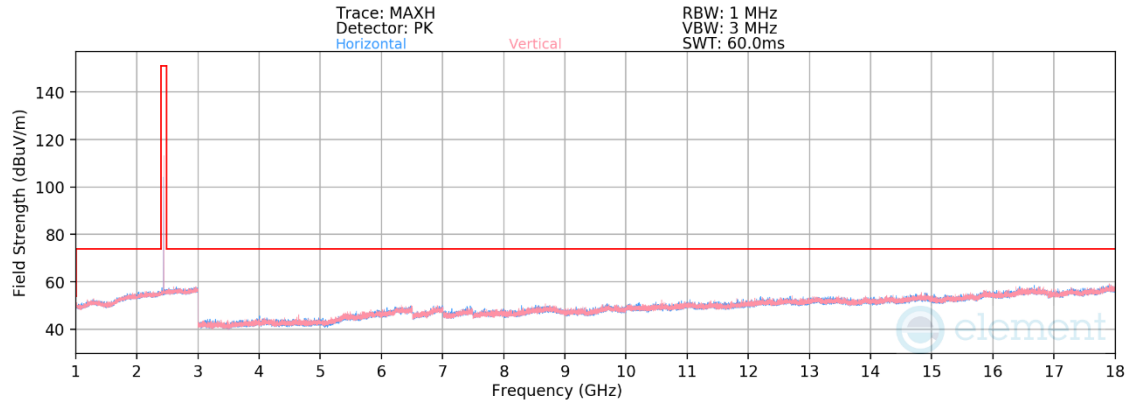
Bluetooth Mode:	HDR4
Data Rate:	4 Mbps
Power Scheme	ePA
Distance of Measurements:	3 Meters
Operating Frequency:	2404 MHz
Channel:	1

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]
4808.00	Average	H	-	-	-79.14	5.11	32.97	53.98	-21.01
4808.00	Peak	H	-	-	-67.84	5.11	44.27	73.98	-29.71
12020.00	Average	V	-	-	-80.77	14.69	40.93	53.98	-13.05
12020.00	Peak	V	-	-	-69.90	14.69	51.79	73.98	-22.19

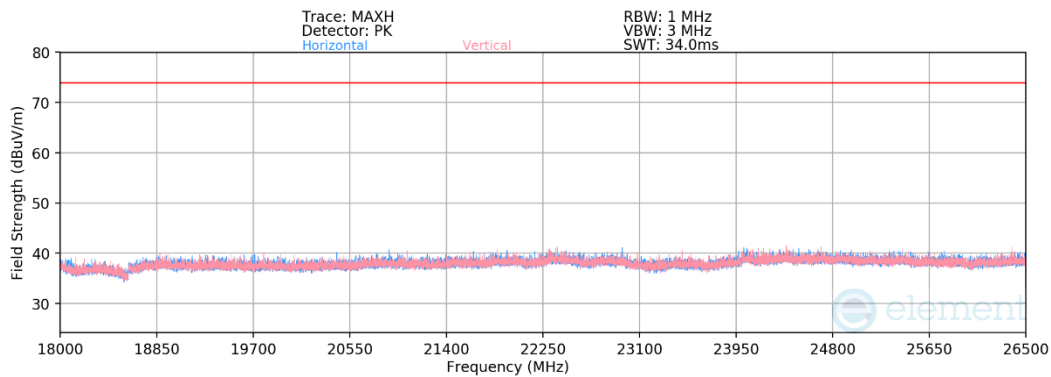
Table 7-16. Radiated Spurious Emission Measurements TxBF

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 82 of 108

V 11.0 05/2025



Plot 7-226. Radiated Spurious Emissions 1-18 GHz TxBF (4 Mbps, HDR4, ePA – Ch. 38)



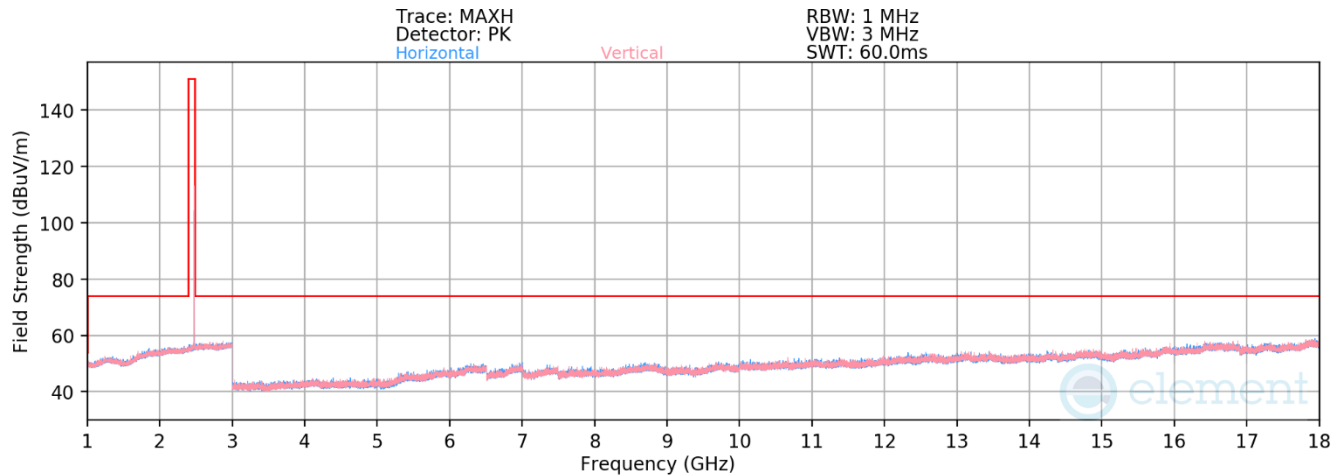
Plot 7-227. Radiated Spurious Emissions above 18 GHz TxBF (4 Mbps, HDR4, ePA – Ch. 38)

Bluetooth Mode:	HDR4
Data Rate:	4 Mbps
Power Scheme	ePA
Distance of Measurements:	3 Meters
Operating Frequency:	2441 MHz
Channel:	38

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]
4882.00	Average	V	-	-	-79.67	5.40	0.00	32.73	53.98	-21.25
4882.00	Peak	V	-	-	-68.55	5.40	0.00	43.85	73.98	-30.13
7323.00	Average	H	-	-	-79.98	10.44	0.00	37.45	53.98	-16.53
7323.00	Peak	H	-	-	-68.36	10.44	0.00	49.08	73.98	-24.90
12205.00	Average	V	-	-	-81.02	15.51	0.00	41.49	53.98	-12.49
12205.00	Peak	V	-	-	-70.49	15.70	0.00	52.21	73.98	-21.77
19528.00	Average	H	-	-	-63.11	-6.07	-9.54	28.28	53.98	-25.70
19528.00	Peak	H	-	-	-51.47	-6.07	-9.54	39.92	73.98	-34.06

Table 7-17. Radiated Spurious Emission Measurements TxBF

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 83 of 108



Plot 7-228. Radiated Spurious Emissions 1-18 GHz TxBF (4 Mbps, HDR4, ePA – Ch. 73)

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

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]
4952.00	Average	H	-	-	-80.10	5.78	32.68	53.98	-21.30
4952.00	Peak	H	-	-	-68.59	5.71	44.12	73.98	-29.86
7428.00	Average	V	-	-	-79.82	10.24	37.42	53.98	-16.56
7428.00	Peak	V	-	-	-68.16	10.24	49.08	73.98	-24.90
12380.00	Average	V	-	-	-80.89	15.40	41.51	53.98	-12.47
12380.00	Peak	V	-	-	-69.94	15.63	52.69	73.98	-21.29

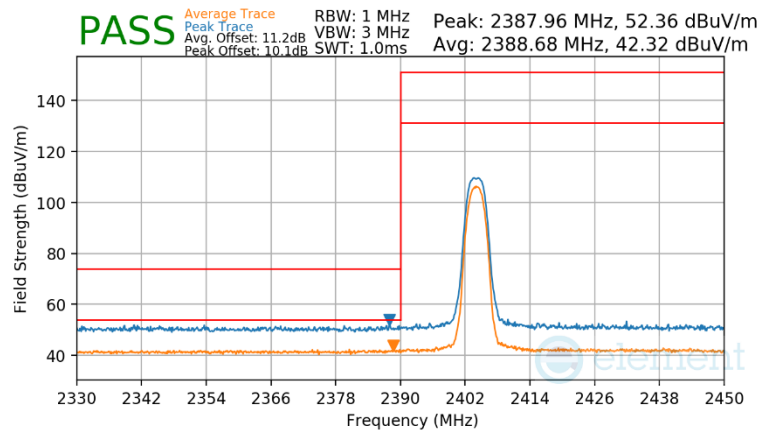
Table 7-18. Radiated Spurious Emission Measurements TxBF

FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 84 of 108

V 11.0 05/2025

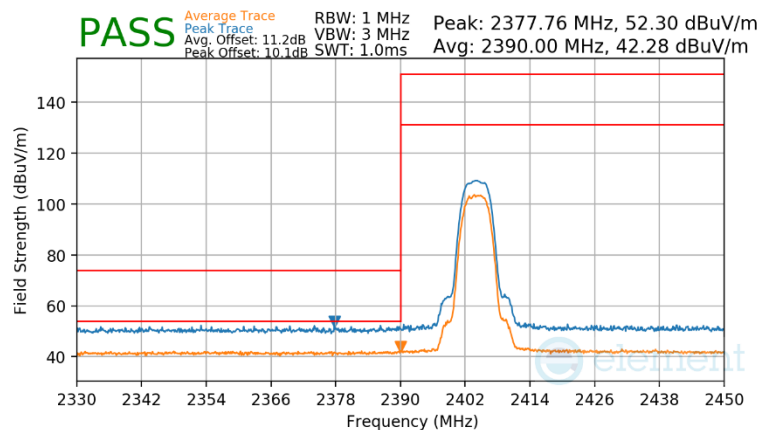
7.8.2 Antenna WF8 Radiated Restricted Band Edge Measurements

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



Plot 7-229. Radiated Restricted Lower Band Edge Measurement Antenna WF8

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

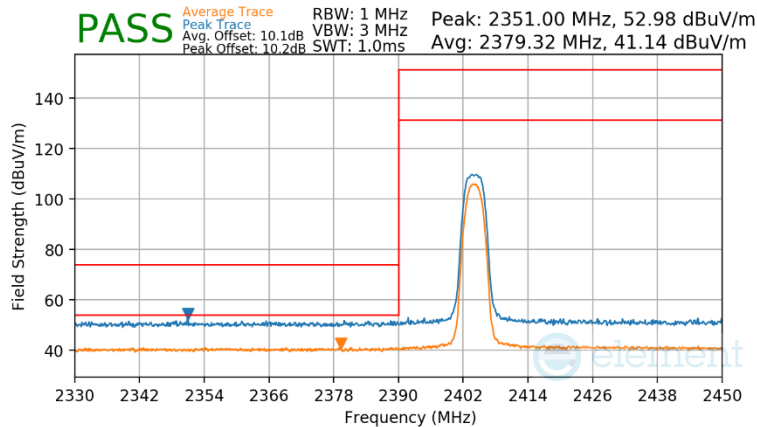


Plot 7-230. Radiated Restricted Lower Band Edge Measurement Antenna WF8

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 85 of 108

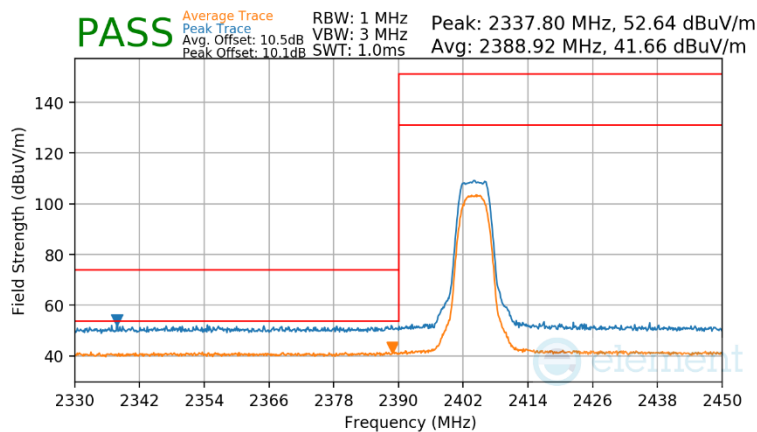
V 11.0 05/2025

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



Plot 7-231. Radiated Restricted Lower Band Edge Measurement Antenna WF8

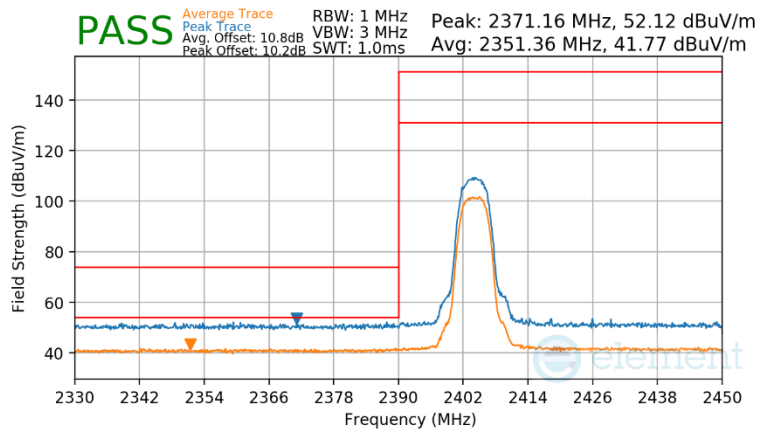
Bluetooth Mode: XHDRPM8
 Data Rate: 8 Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404 MHz
 Channel: 1



Plot 7-232. Radiated Restricted Lower Band Edge Measurement Antenna WF8

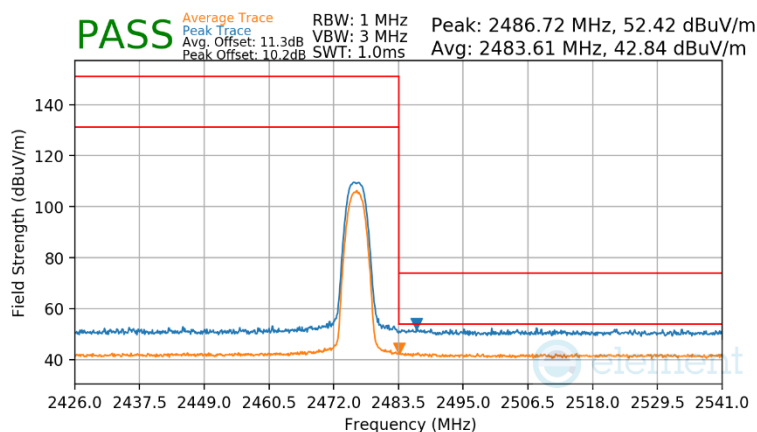
FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 86 of 108

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



Plot 7-233. Radiated Restricted Lower Band Edge Measurement Antenna WF8

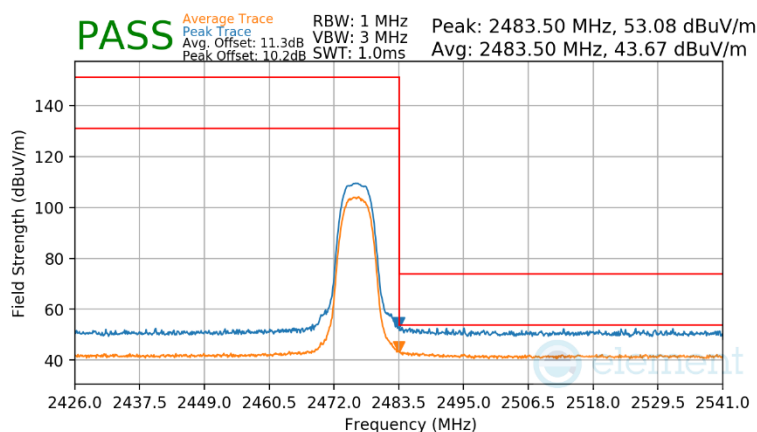
Bluetooth Mode: HDR4
 Data Rate: 4 Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476 MHz
 Channel: 73



Plot 7-234. Radiated Restricted Upper Band Edge Measurement Antenna WF8

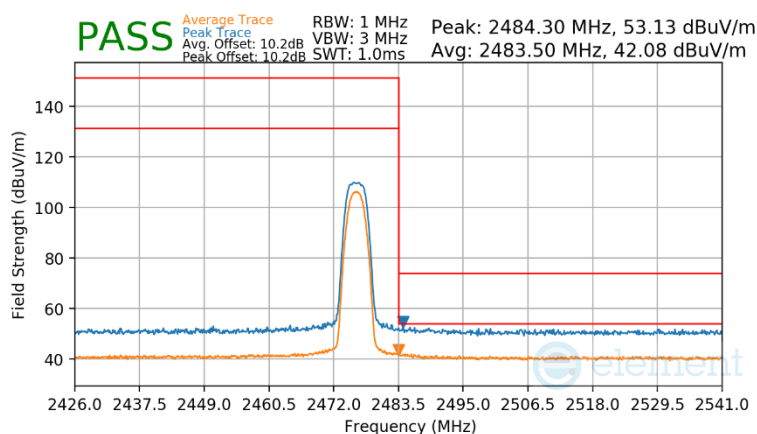
FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 87 of 108

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



Plot 7-235. Radiated Restricted Upper Band Edge Measurement Antenna WF8

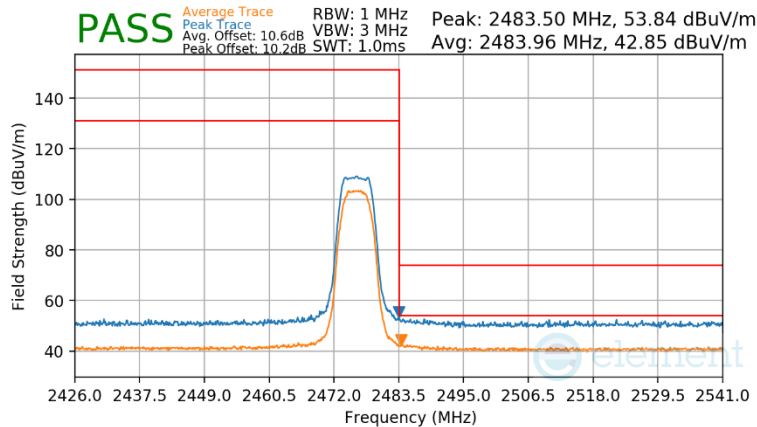
Bluetooth Mode: XHDRPS2
 Data Rate: 2Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476 MHz
 Channel: 73



Plot 7-236. Radiated Restricted Upper Band Edge Measurement Antenna WF8

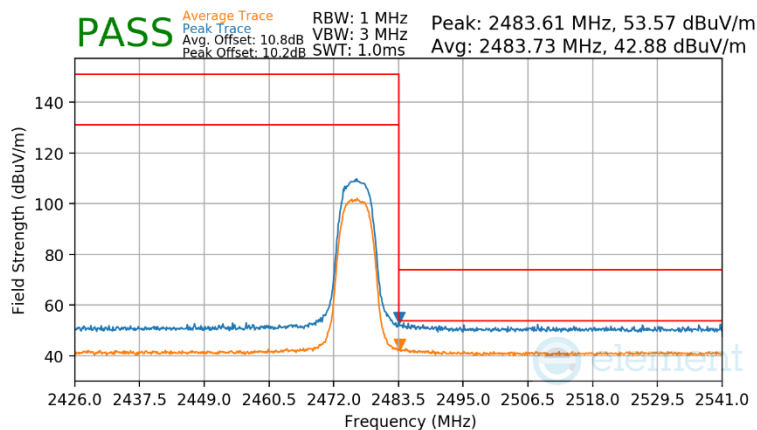
FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 88 of 108

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



Plot 7-237. Radiated Restricted Upper Band Edge Measurement Antenna WF8

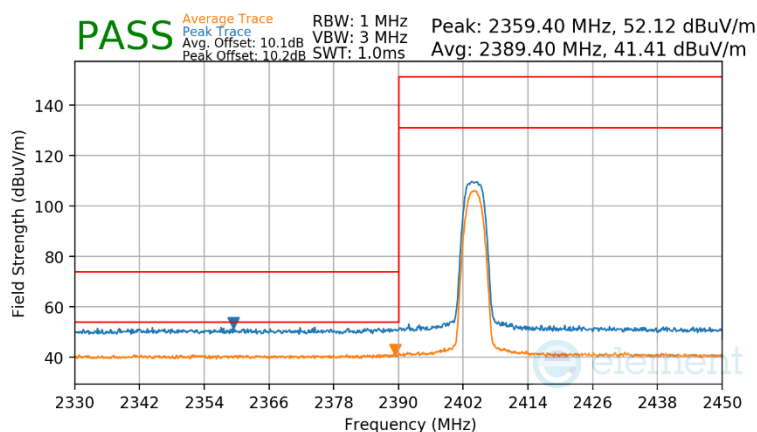
Bluetooth Mode: XHDRPM16
 Data Rate: 16 Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476 MHz
 Channel: 73



Plot 7-238. Radiated Restricted Upper Band Edge Measurement Antenna WF8

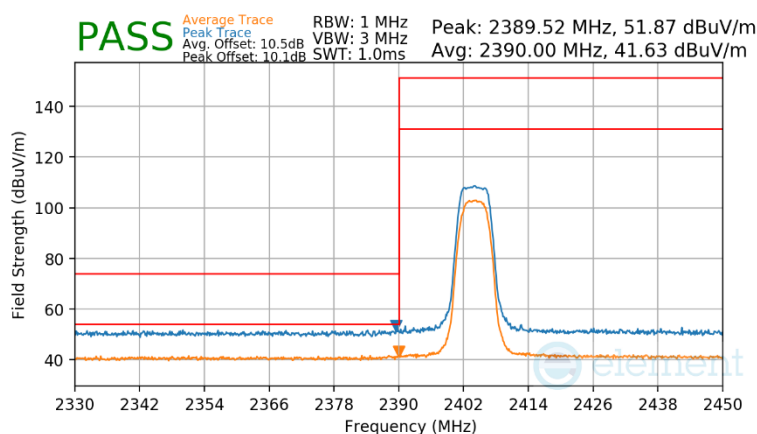
FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 89 of 108

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



Plot 7-241. Radiated Restricted Lower Band Edge Measurement Antenna WF7

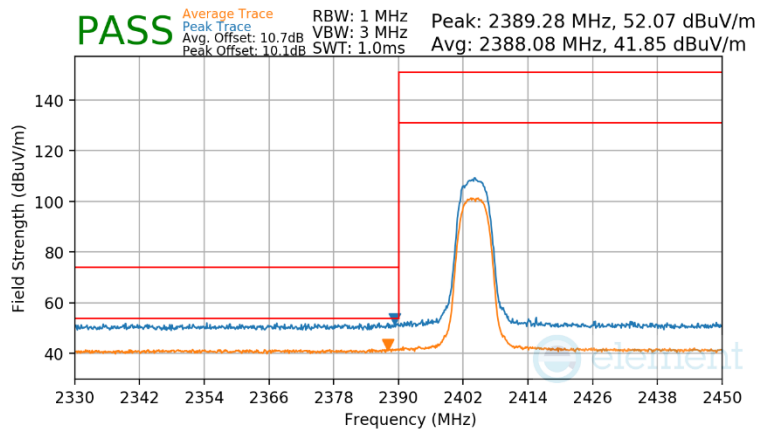
Bluetooth Mode: XHDRPM8
 Data Rate: 8 Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404 MHz
 Channel: 1



Plot 7-242. Radiated Restricted Lower Band Edge Measurement Antenna WF7

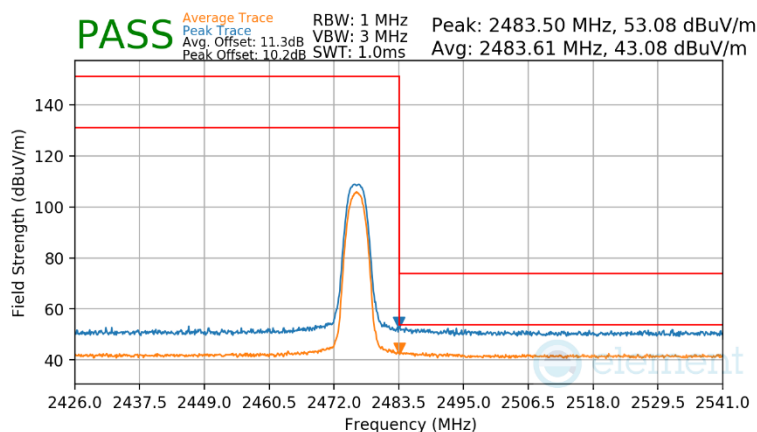
FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 91 of 108

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



Plot 7-243. Radiated Restricted Lower Band Edge Measurement Antenna WF7

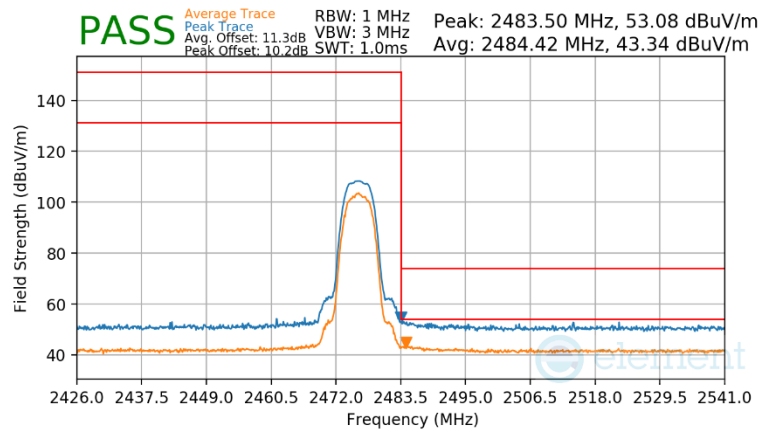
Bluetooth Mode: HDR4
 Data Rate: 4 Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476 MHz
 Channel: 73



Plot 7-244. Radiated Restricted Upper Band Edge Measurement Antenna WF7

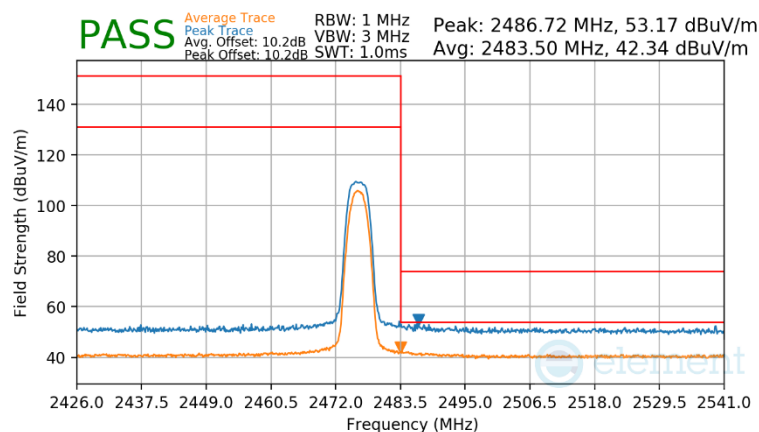
FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 92 of 108

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



Plot 7-245. Radiated Restricted Upper Band Edge Measurement Antenna WF7

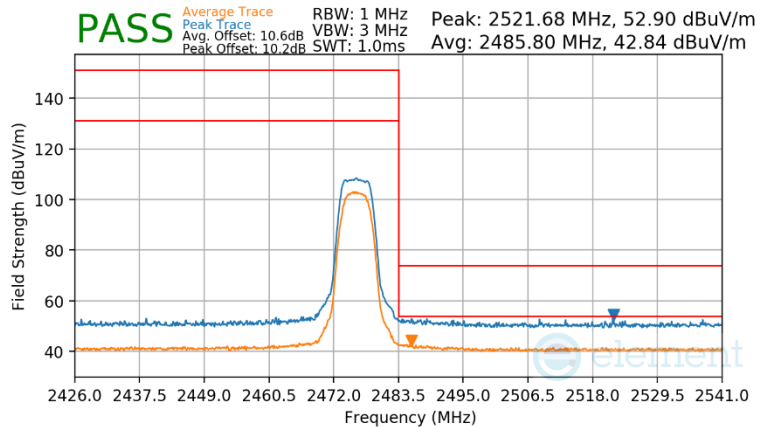
Bluetooth Mode: XHDRPS2
 Data Rate: 2Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476 MHz
 Channel: 73



Plot 7-246. Radiated Restricted Upper Band Edge Measurement Antenna WF7

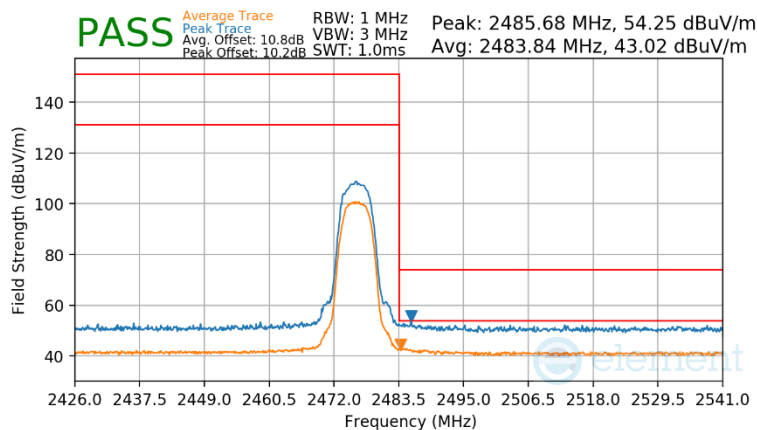
FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 93 of 108

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



Plot 7-247. Radiated Restricted Upper Band Edge Measurement Antenna WF7

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

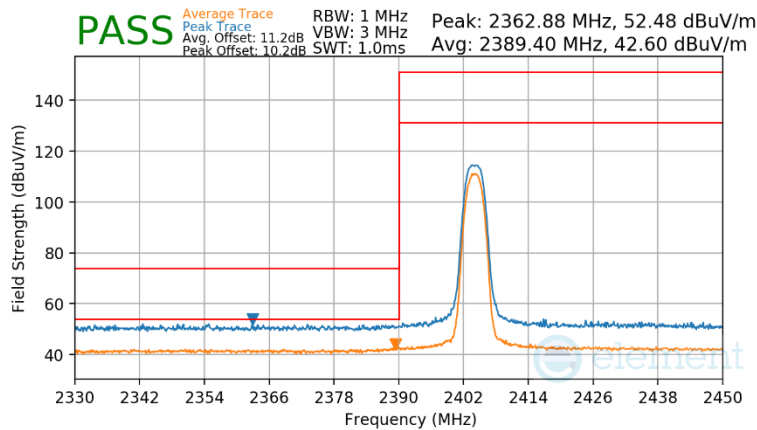


Plot 7-248. Radiated Restricted Upper Band Edge Measurement Antenna WF7

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 94 of 108

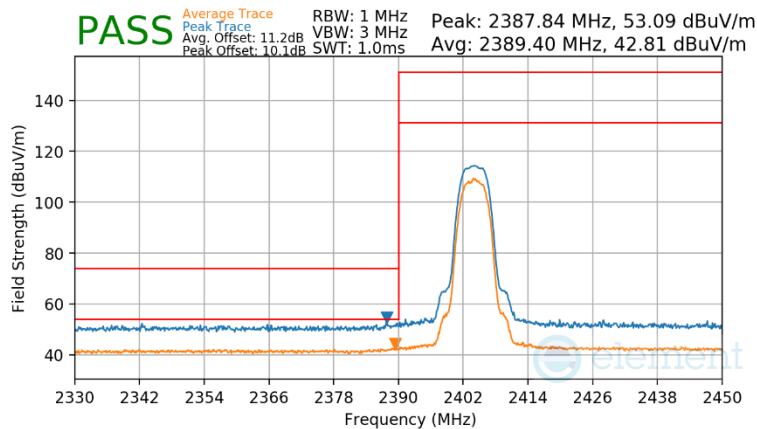
7.8.4 TxBF Radiated Restricted Band Edge Measurements

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



Plot 7-249. Radiated Restricted Lower Band Edge Measurement TxBF

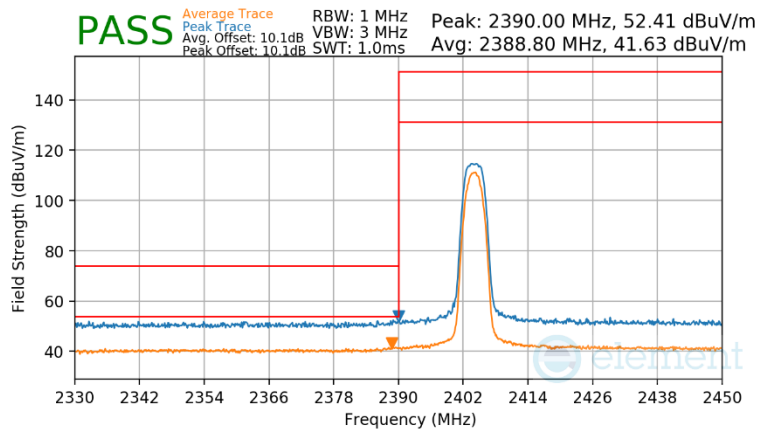
Bluetooth Mode:	HDR8
Data Rate:	8 Mbps
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2404 MHz
Channel:	1



Plot 7-250. Radiated Restricted Lower Band Edge Measurement TxBF

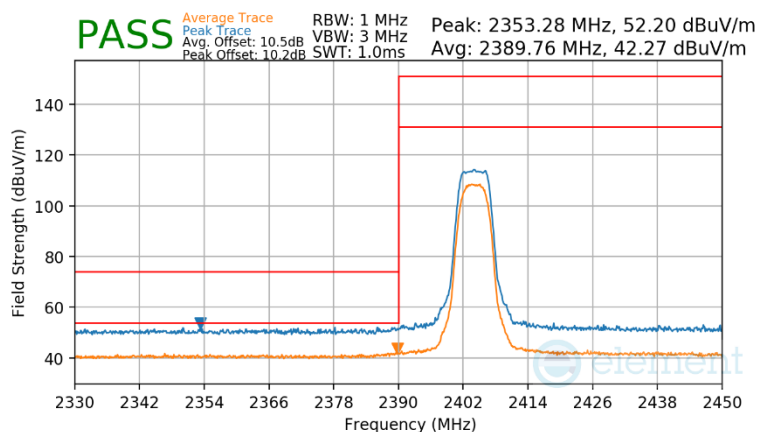
FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 95 of 108

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



Plot 7-251. Radiated Restricted Lower Band Edge Measurement TxBF

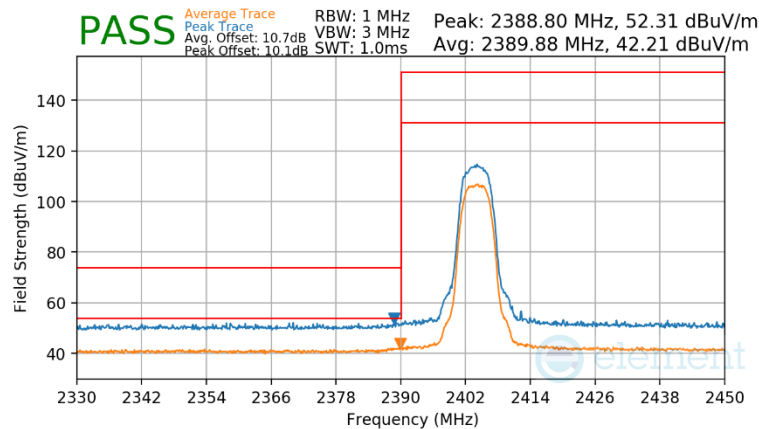
Bluetooth Mode: XHDRPM8
 Data Rate: 8 Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2404 MHz
 Channel: 1



Plot 7-252. Radiated Restricted Lower Band Edge Measurement TxBF

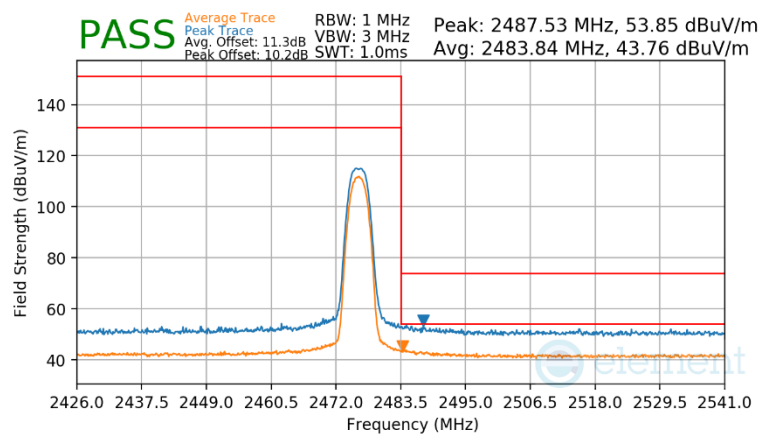
FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 96 of 108

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



Plot 7-253. Radiated Restricted Lower Band Edge Measurement TxBF

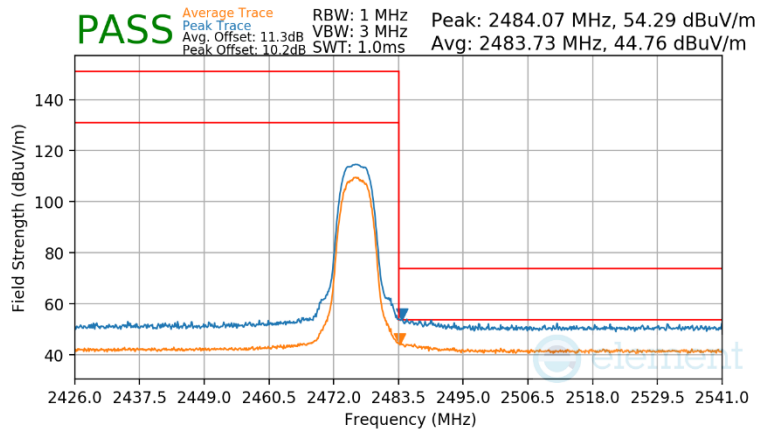
Bluetooth Mode: HDR4
 Data Rate: 4 Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476 MHz
 Channel: 73



Plot 7-254. Radiated Restricted Upper Band Edge Measurement TxBF

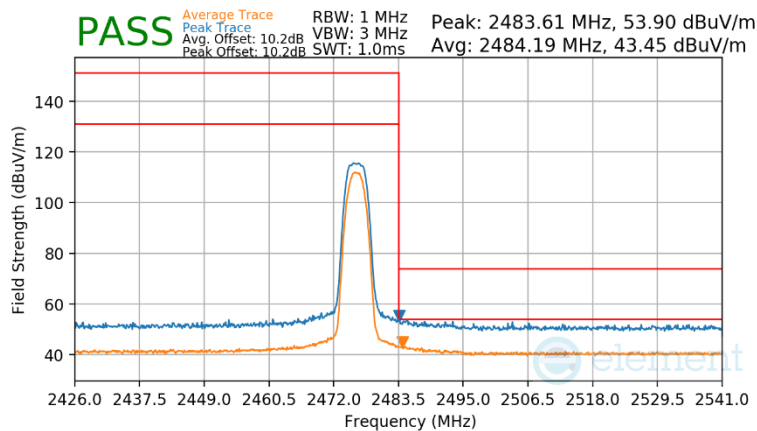
FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 97 of 108

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



Plot 7-255. Radiated Restricted Upper Band Edge Measurement TxBF

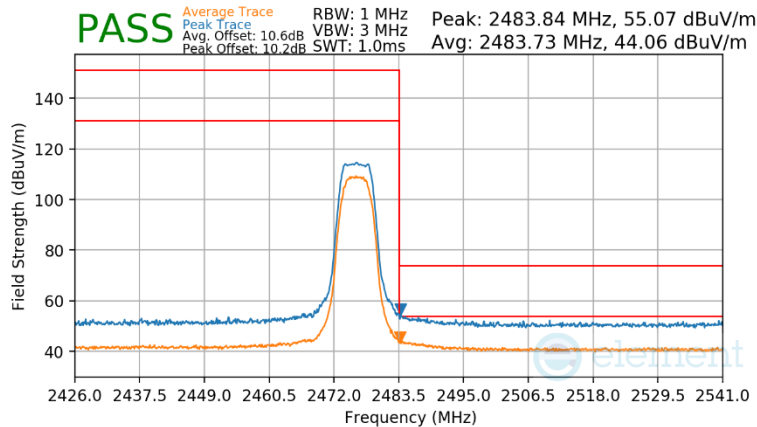
Bluetooth Mode: XHDRPS2
 Data Rate: 2Mbps
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2476 MHz
 Channel: 73



Plot 7-256. Radiated Restricted Upper Band Edge Measurement TxBF

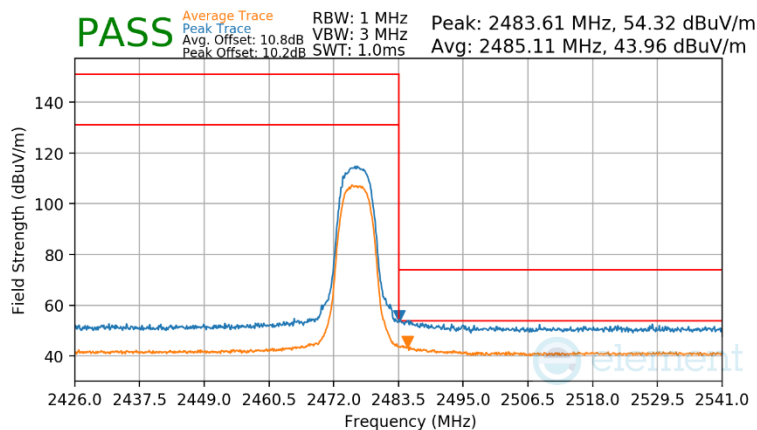
FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 98 of 108

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



Plot 7-257. Radiated Restricted Upper Band Edge Measurement TxBF

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



Plot 7-258. Radiated Restricted Upper Band Edge Measurement TxBF

FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 99 of 108

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 [$\mu\text{V/m}$]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-19. 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

Test Setup

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 100 of 108

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

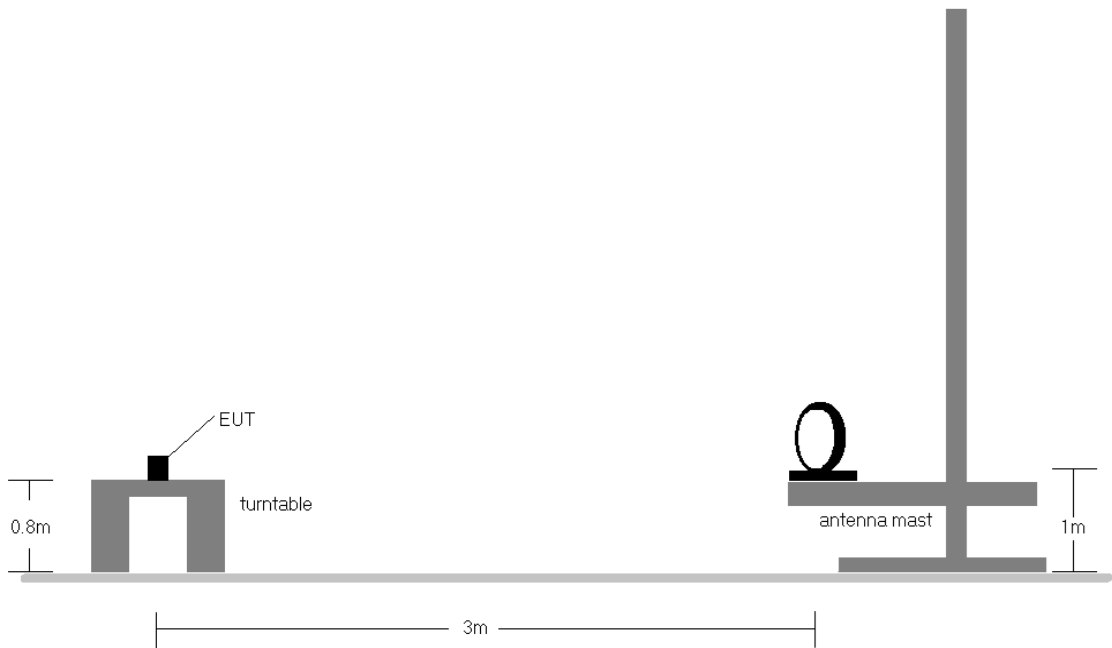


Figure 7-8. Radiated Test Setup < 30 MHz

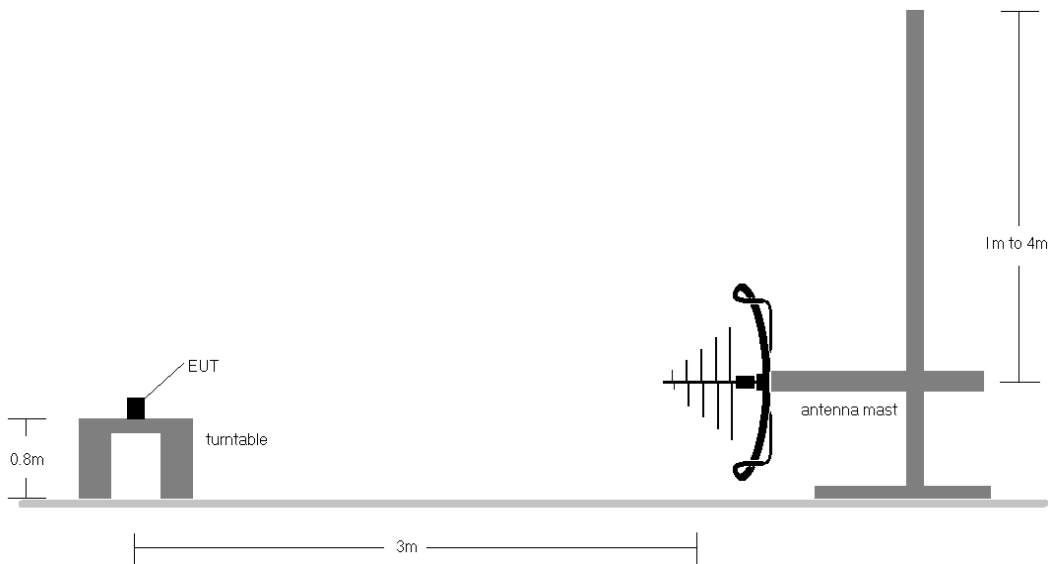


Figure 7-9. Radiated Test Setup < 1 GHz

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 101 of 108

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

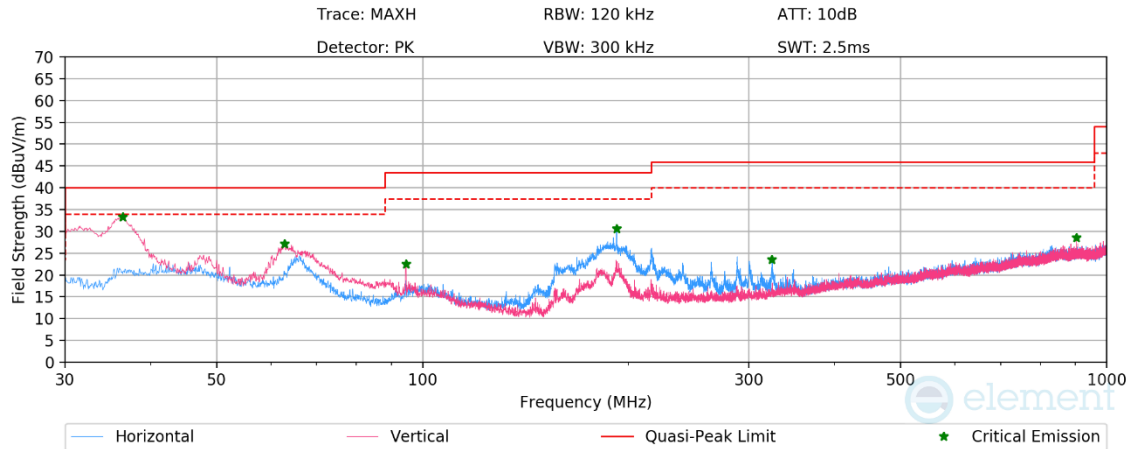
- Field Strength Level [dB μ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] – Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [dB μ V/m] – Limit [dB μ V/m]

FCC ID: BCGA3595 IC: 579C-A3595	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 102 of 108

Radiated Spurious Emissions Measurements (Below 1 GHz)

§15.209; RSS-Gen [7.4.3]

TxBF



Plot 7-259. Radiated Spurious Emissions Below 1 GHz TxBF (HDR4, 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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
36.42	Max-Peak	V	100	3	-53.52	-20.09	33.39	40.00	-6.61
62.76	Max-Peak	V	100	345	-60.50	-19.32	27.18	40.00	-12.82
94.56	Max-Peak	V	100	156	-64.35	-20.19	22.46	43.50	-21.04
192.13	Max-Peak	H	100	210	-57.62	-18.74	30.64	43.50	-12.86
324.13	Max-Peak	H	100	99	-68.51	-14.90	23.60	46.00	-22.40
903.82	Max-Peak	V	100	82	-74.42	-4.02	28.56	46.00	-17.44

Table 7-20. Radiated Spurious Emissions Below 1 GHz TxBF (HDR4, ePA – Ch.38 with AC/DC Adapter)

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 103 of 108

7.10 AC Line-Conducted Emissions Measurement

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 = 9 kHz (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

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 104 of 108

Test Setup

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

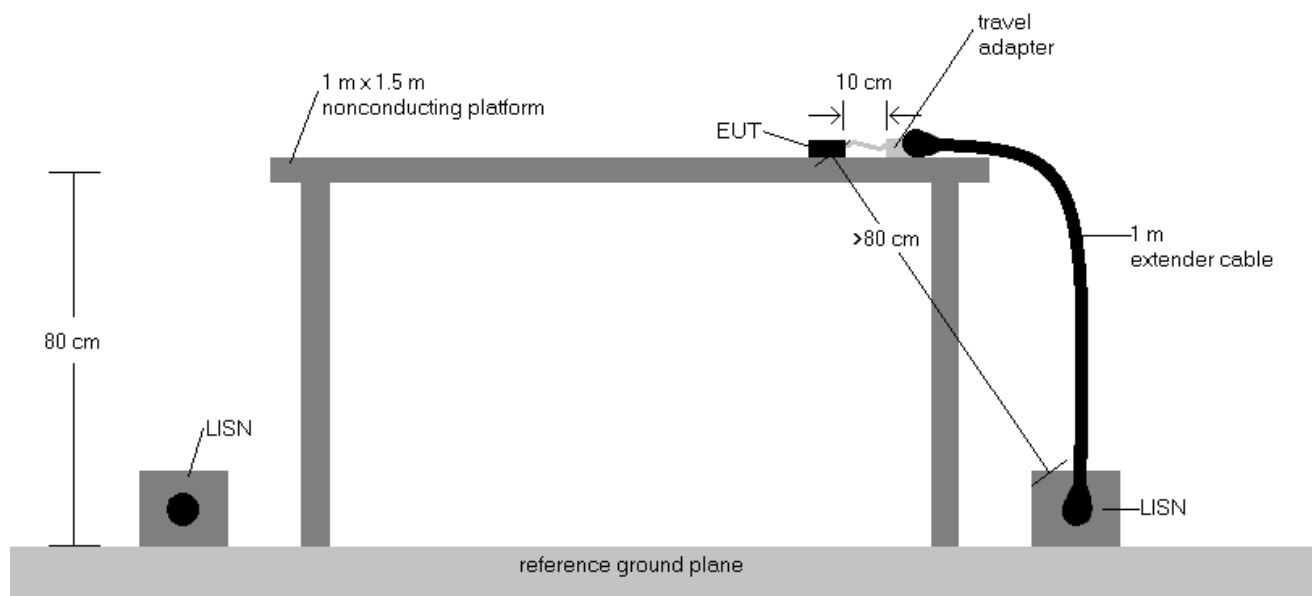
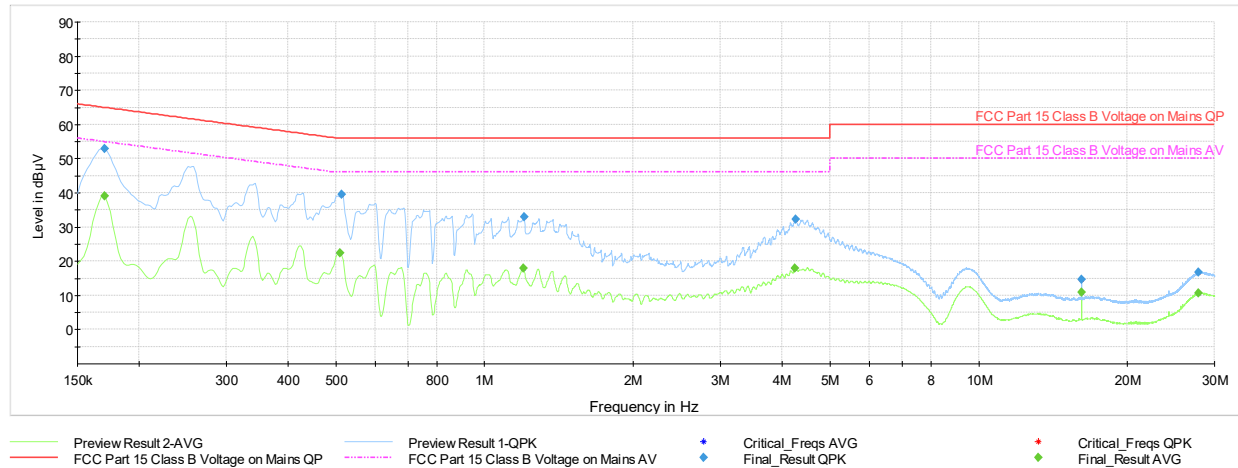


Figure 7-10. Test Instrument & Measurement Setup

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 quasi peak and average detectors.
8. Deviations to the Specifications: None.

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 105 of 108

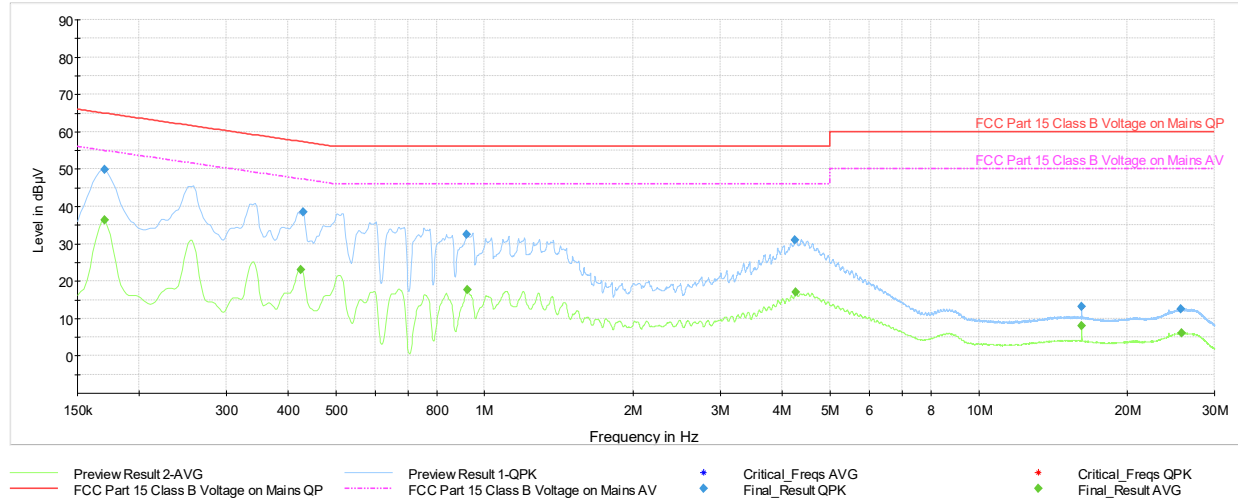


Plot 7-260. AC Line Conducted Plot with Bluetooth HDR TxBF (L1, HDR4 ePA - Ch.38 with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	39.14	54.95	-15.81	L1	ON
0.170	FINAL	53.0	—	64.95	-11.96	L1	ON
0.510	FINAL	—	22.47	46.00	-23.53	L1	ON
0.515	FINAL	39.6	—	56.00	-16.36	L1	ON
1.199	FINAL	—	17.91	46.00	-28.09	L1	ON
1.203	FINAL	32.9	—	56.00	-23.07	L1	ON
4.250	FINAL	—	18.02	46.00	-27.98	L1	ON
4.268	FINAL	32.3	—	56.00	-23.68	L1	ON
16.163	FINAL	14.8	—	60.00	-45.25	L1	ON
16.166	FINAL	—	11.01	50.00	-38.99	L1	ON
27.796	FINAL	16.7	—	60.00	-43.35	L1	ON
27.886	FINAL	—	10.63	50.00	-39.37	L1	ON

Table 7-22. AC Line Conducted Data with Bluetooth HDR TxBF (L1, HDR4 ePA - Ch.38 with AC/DC Adapter)

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 106 of 108



Plot 7-261. AC Line Conducted Plot with Bluetooth HDR TxBF (N, HDR4 ePA - Ch.38 with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.170	FINAL	—	36.30	54.95	-18.65	N	ON
0.170	FINAL	49.8	—	64.95	-15.15	N	ON
0.425	FINAL	—	23.14	47.36	-24.22	N	ON
0.429	FINAL	38.5	—	57.27	-18.77	N	ON
0.920	FINAL	32.6	—	56.00	-23.44	N	ON
0.922	FINAL	—	17.75	46.00	-28.25	N	ON
4.252	FINAL	31.1	—	56.00	-24.92	N	ON
4.256	FINAL	—	16.95	46.00	-29.05	N	ON
16.170	FINAL	13.2	—	60.00	-46.83	N	ON
16.172	FINAL	—	8.05	50.00	-41.96	N	ON
25.652	FINAL	12.5	—	60.00	-47.46	N	ON
25.742	FINAL	—	6.11	50.00	-43.89	N	ON

Table 7-23. AC Line Conducted Data with Bluetooth HDR TxBF (N, HDR4 ePA - Ch.38 with AC/DC Adapter)

FCC ID: BCGA3595 IC: 579C-A3595		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 107 of 108

8.0 CONCLUSION

The data collected relate only 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)	Approved by: Technical Manager
Test Report S/N: 1C2604030025-03-R2.BCG	Test Dates: 4/23/2026 - 7/10/2026	EUT Type: Tablet Device	Page 108 of 108

V 11.0 05/2025

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