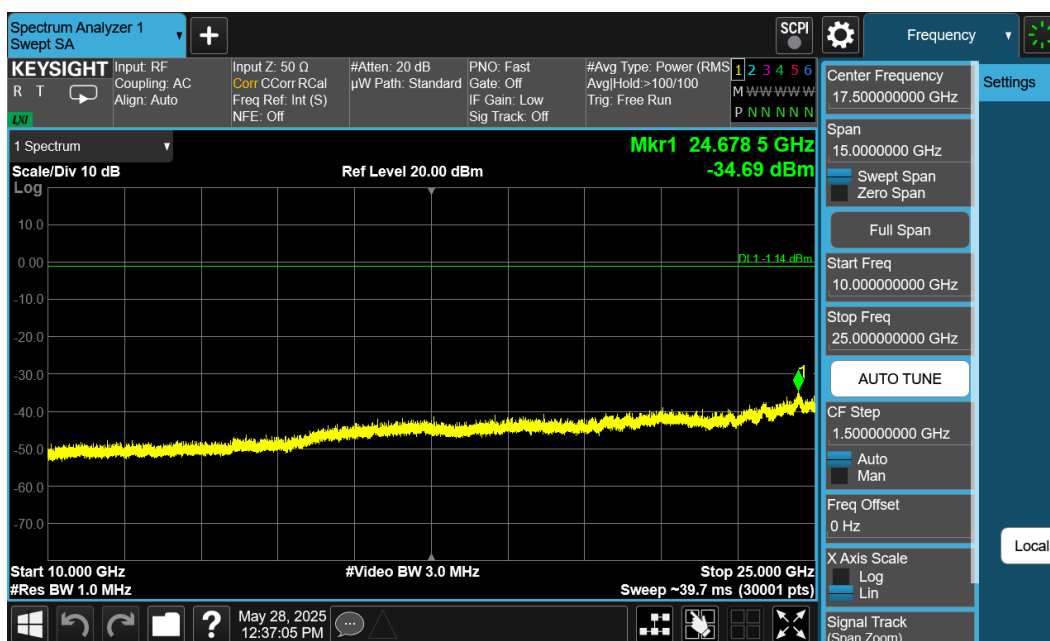
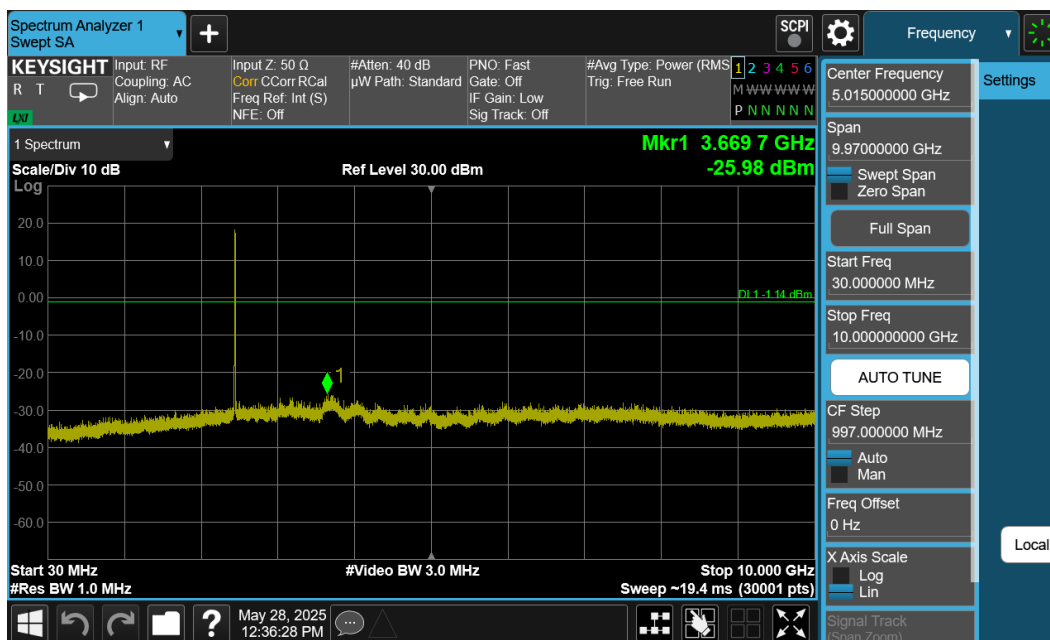




FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 95 of 225

V 10.6 09/14/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.7 Radiated Spurious Emissions – Above 1 GHz

§15.247(d) §15.205 & §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 7-29 per Section 15.209 and RSS-Gen (8.9).

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

Table 7-29. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – 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 = 1MHz
3. VBW = 3MHz
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 = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 96 of 225

V 10.6 09/14/2023

Test Setup

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

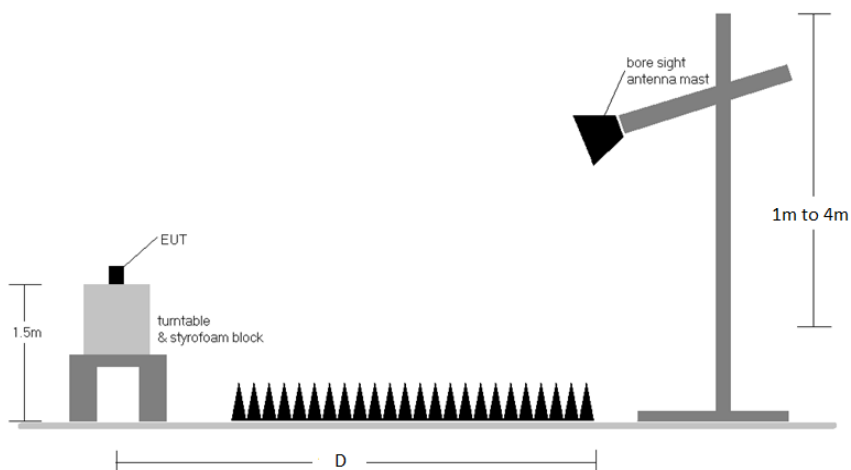


Figure 7-6. Radiated Measurement Setup

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 Section 15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-29.
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 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. All data rates and antenna configurations were investigated and only the worst case is reported.
10. The unit was tested at its highest output power.
11. The unit was tested with all possible modes and only the highest emission is reported.

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 97 of 225

V 10.6 09/14/2023

Sample Calculations

Determining Spurious Emissions Levels

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

Radiated Band Edge Measurement Offset

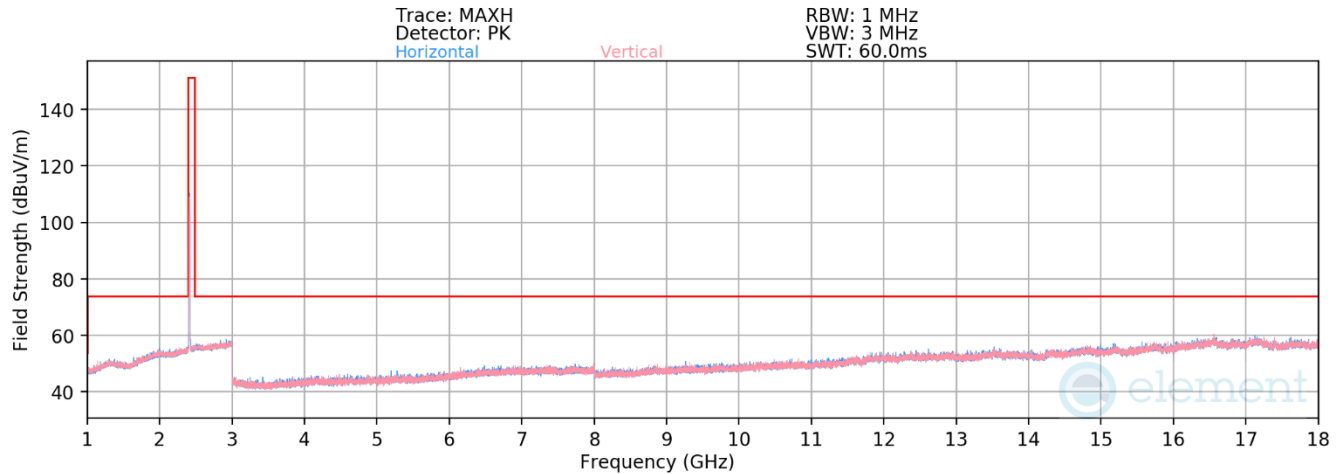
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.4 to 7.7.6 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 98 of 225

V 10.6 09/14/2023

7.7.1 Ant1 Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-117. Radiated Spurious Emissions above 1GHz Ant1 (802.11b – Ch. 1)

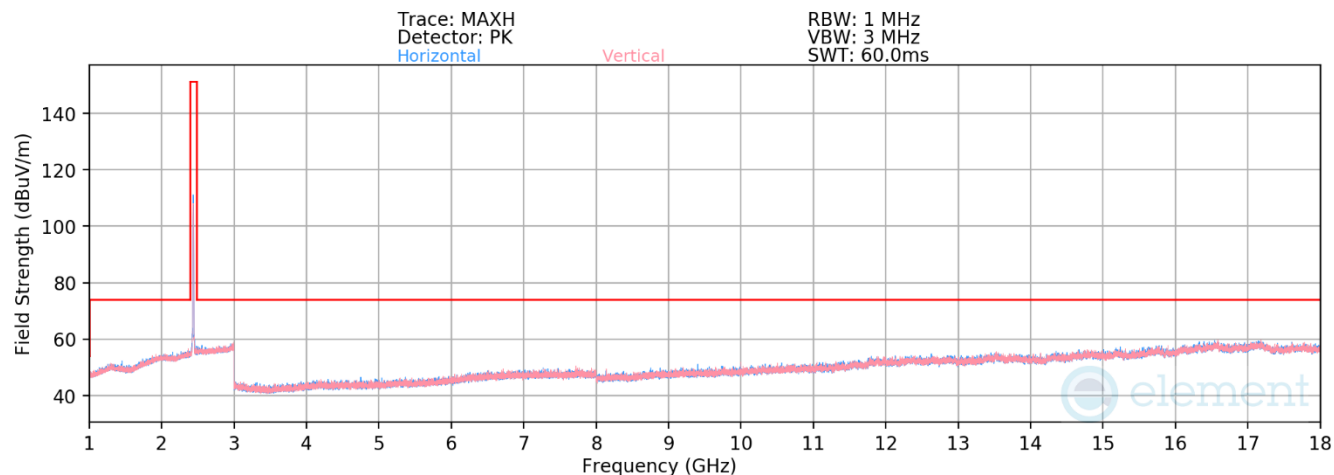
Mode:	802.11b
Data Rate:	11Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

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]
4824.00	Avg	H	-	-	-79.58	7.17	34.59	53.98	-19.39
4824.00	Peak	H	-	-	-68.07	7.17	46.10	73.98	-27.88
12060.00	Avg	H	-	-	-82.27	17.75	42.48	53.98	-11.50
12060.00	Peak	H	-	-	-70.02	17.75	54.73	73.98	-19.25
14472.00	Avg	H	-	-	-83.27	20.38	44.11	53.98	-9.87
14472.00	Peak	H	-	-	-72.17	20.38	55.21	73.98	-18.77

Table 7-30. Radiated Measurements Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 99 of 225

V 10.6 09/14/2023



Plot 7-118. Radiated Spurious Emissions above 1GHz Ant1 (802.11b – Ch. 6)

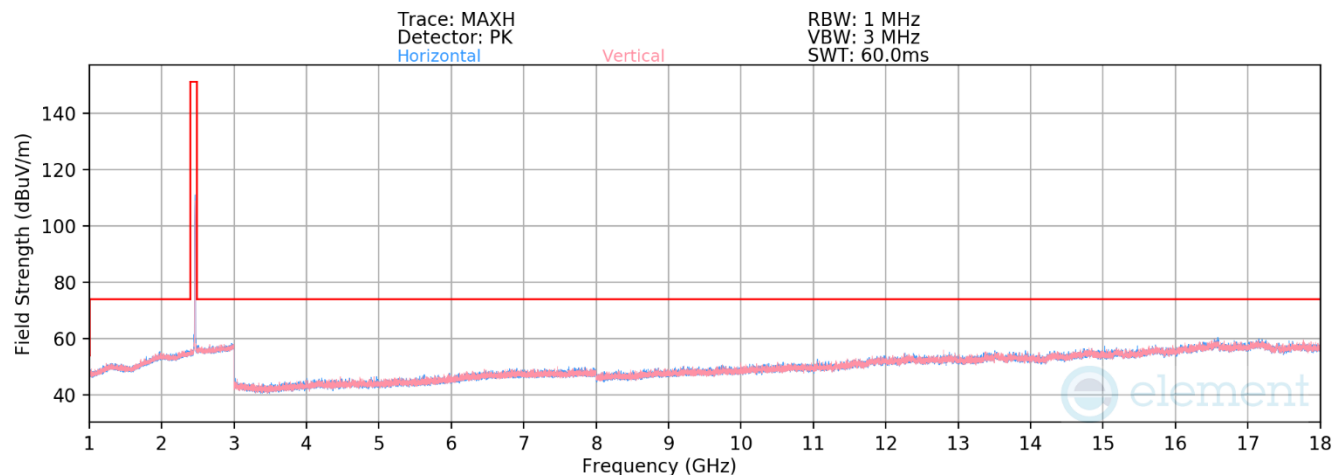
Mode: 802.11b
Data Rate: 11Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 06

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]
4874.00	Avg	H	-	-	-80.06	7.81	34.75	53.98	-19.23
4874.00	Peak	H	-	-	-68.78	7.81	46.03	73.98	-27.95
7311.00	Avg	H	-	-	-80.44	10.80	37.36	53.98	-16.62
7311.00	Peak	H	-	-	-69.04	10.80	48.76	73.98	-25.22
12185.00	Avg	H	-	-	-82.23	17.48	42.25	53.98	-11.73
12185.00	Peak	H	-	-	-71.02	17.48	53.46	73.98	-20.52

Table 7-31. Radiated Measurements Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 100 of 225

V 10.6 09/14/2023



Plot 7-119. Radiated Spurious Emissions above 1GHz Ant1 (802.11b – Ch. 11)

Mode: 802.11b
Data Rate: 11Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

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]
4924.00	Avg	H	-	-	-80.09	7.60	34.51	53.98	-19.47
4924.00	Peak	H	-	-	-69.00	7.60	45.60	73.98	-28.38
7386.00	Avg	H	-	-	-80.16	10.74	37.58	53.98	-16.40
7386.00	Peak	H	-	-	-68.43	10.74	49.31	73.98	-24.67
12310.00	Avg	H	-	-	-82.50	18.05	42.55	53.98	-11.43
12310.00	Peak	H	-	-	-71.16	18.05	53.89	73.98	-20.09

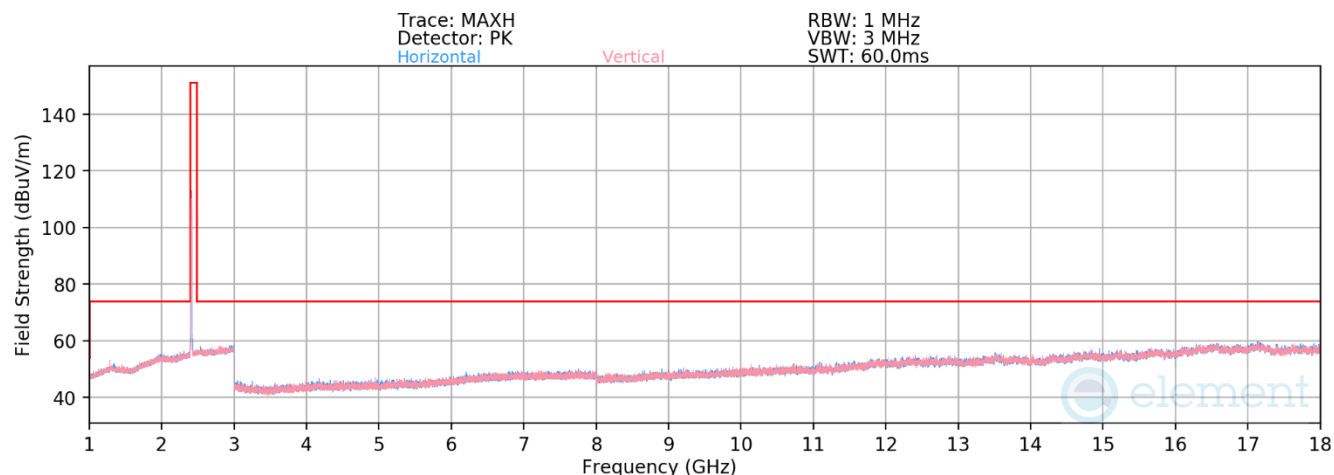
Table 7-32. Radiated Measurements Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 101 of 225

V 10.6 09/14/2023

7.7.2 Ant2 Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-120. Radiated Spurious Emissions above 1GHz Ant2 (802.11b – Ch. 1)

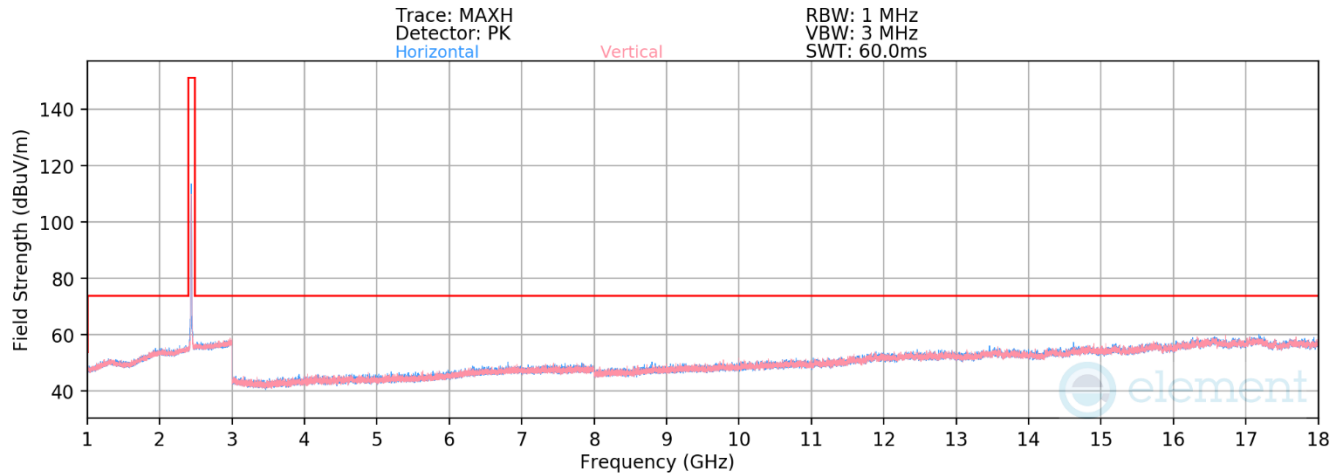
Mode:	802.11b
Data Rate:	11Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

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]
4824.00	Avg	H	-	-	-80.10	7.71	34.61	53.98	-19.37
4824.00	Peak	H	-	-	-68.68	7.71	46.03	73.98	-27.95
12060.00	Avg	H	-	-	-82.33	17.75	42.42	53.98	-11.56
12060.00	Peak	H	-	-	-71.00	17.75	53.75	73.98	-20.23
14472.00	Avg	H	-	-	-82.98	20.05	44.07	53.98	-9.91
14472.00	Peak	H	-	-	-71.44	20.05	55.61	73.98	-18.37

Table 7-33. Radiated Measurements Ant2

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device		Page 102 of 225

V 10.6 09/14/2023



Plot 7-121. Radiated Spurious Emissions above 1GHz Ant2 (802.11b – Ch. 6)

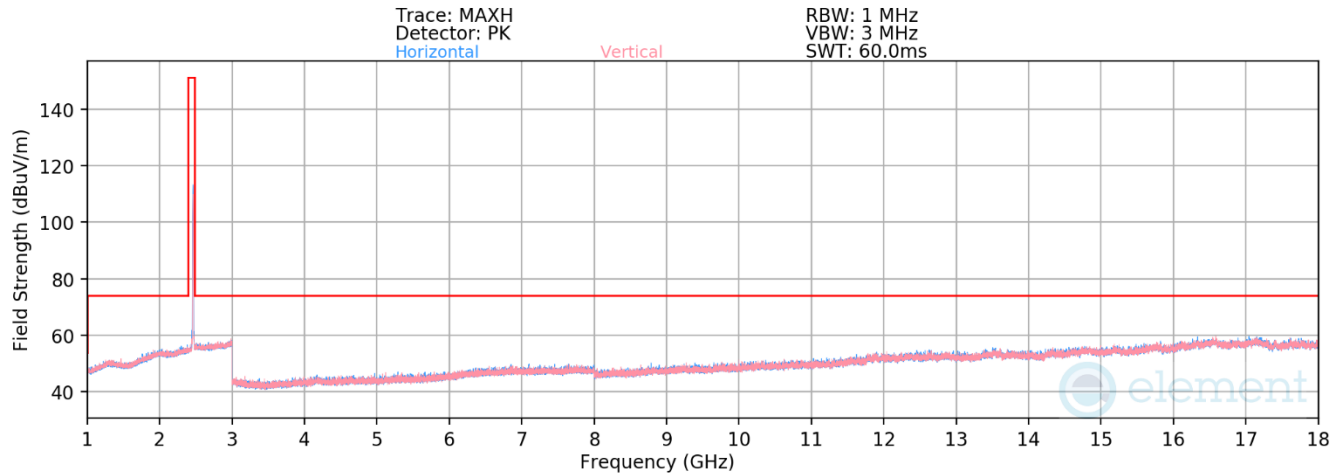
Mode: 802.11b
Data Rate: 11Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 06

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]
4874.00	Avg	H	-	-	-79.90	7.81	34.91	53.98	-19.07
4874.00	Peak	H	-	-	-68.42	7.81	46.39	73.98	-27.59
7311.00	Avg	H	-	-	-80.33	10.80	37.47	53.98	-16.51
7311.00	Peak	H	-	-	-69.17	10.80	48.63	73.98	-25.35
12185.00	Avg	H	-	-	-82.36	17.48	42.12	53.98	-11.86
12185.00	Peak	H	-	-	-70.77	17.48	53.71	73.98	-20.27

Table 7-34. Radiated Measurements Ant2

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 103 of 225

V 10.6 09/14/2023



Plot 7-122. Radiated Spurious Emissions above 1GHz Ant2 (802.11b – Ch. 11)

Mode: 802.11b
Data Rate: 11Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

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]
4924.00	Avg	H	-	-	-79.80	7.75	34.95	53.98	-19.03
4924.00	Peak	H	-	-	-68.41	7.75	46.34	73.98	-27.64
7386.00	Avg	H	-	-	-80.34	10.95	37.61	53.98	-16.37
7386.00	Peak	H	-	-	-68.89	10.95	49.06	73.98	-24.92
12310.00	Avg	H	-	-	-82.60	18.28	42.68	53.98	-11.30
12310.00	Peak	H	-	-	-70.74	18.28	54.54	73.98	-19.44

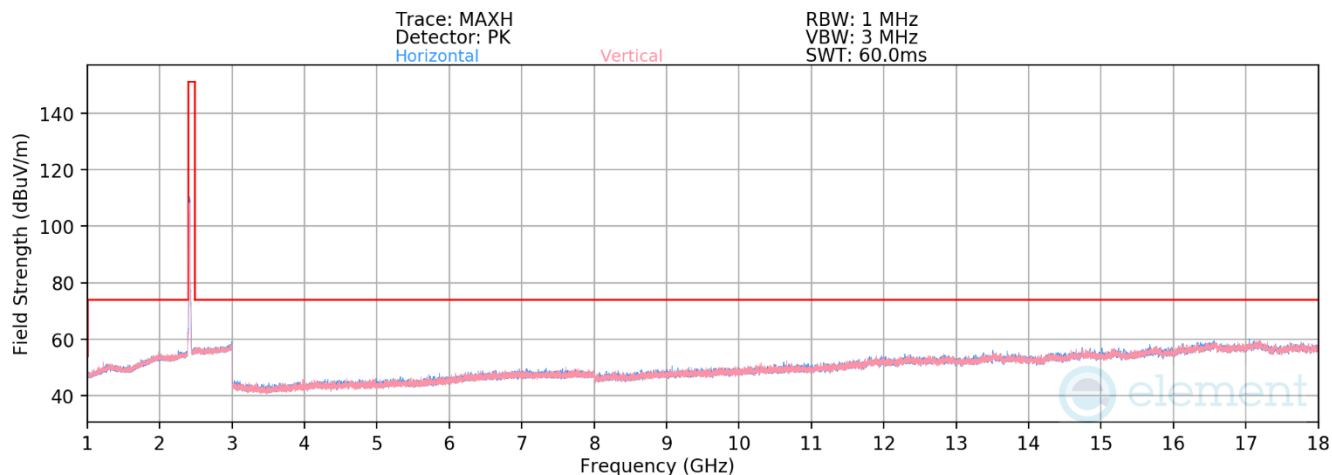
Table 7-35. Radiated Measurements Ant2

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 104 of 225

V 10.6 09/14/2023

7.7.3 CDD Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-123. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 1)

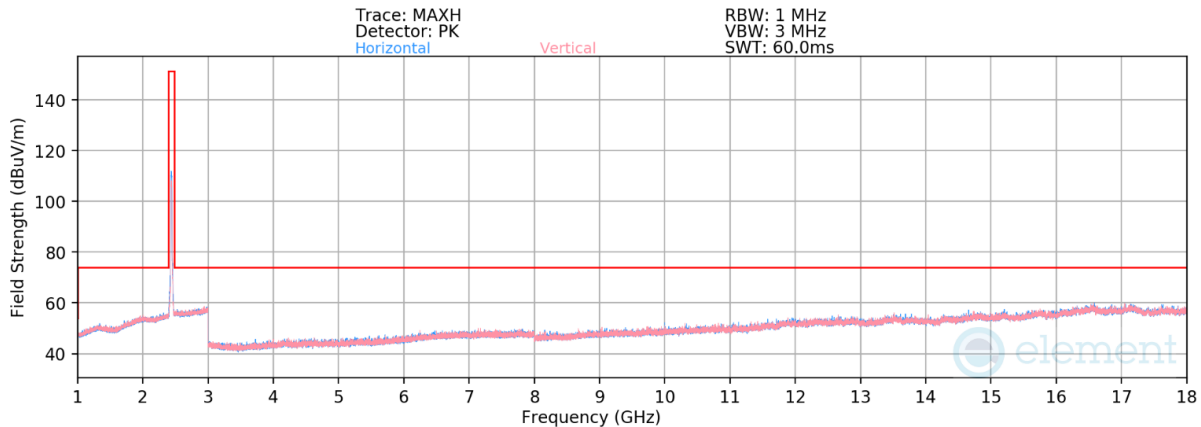
Mode:	802.11n
Data Rate:	MCS15
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

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]
4824.00	Avg	H	-	-	-79.38	7.17	34.79	53.98	-19.19
4824.00	Peak	H	-	-	-67.98	7.17	46.19	73.98	-27.79
12060.00	Avg	H	-	-	-81.81	17.25	42.44	53.98	-11.54
12060.00	Peak	H	-	-	-69.94	17.25	54.31	73.98	-19.67
14472.00	Avg	H	-	-	-83.18	20.38	44.20	53.98	-9.78
14472.00	Peak	H	-	-	-71.82	20.38	55.56	73.98	-18.42

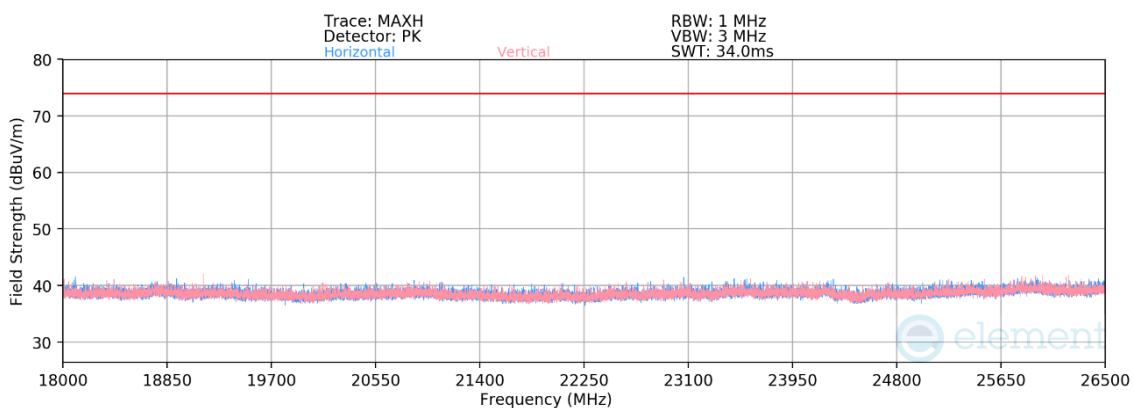
Table 7-36. Radiated Measurements CDD

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 105 of 225

V 10.6 09/14/2023



Plot 7-124. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 6)



Plot 7-125. Radiated Spurious Emissions above 18GHz CDD (802.11n – Ch. 6)

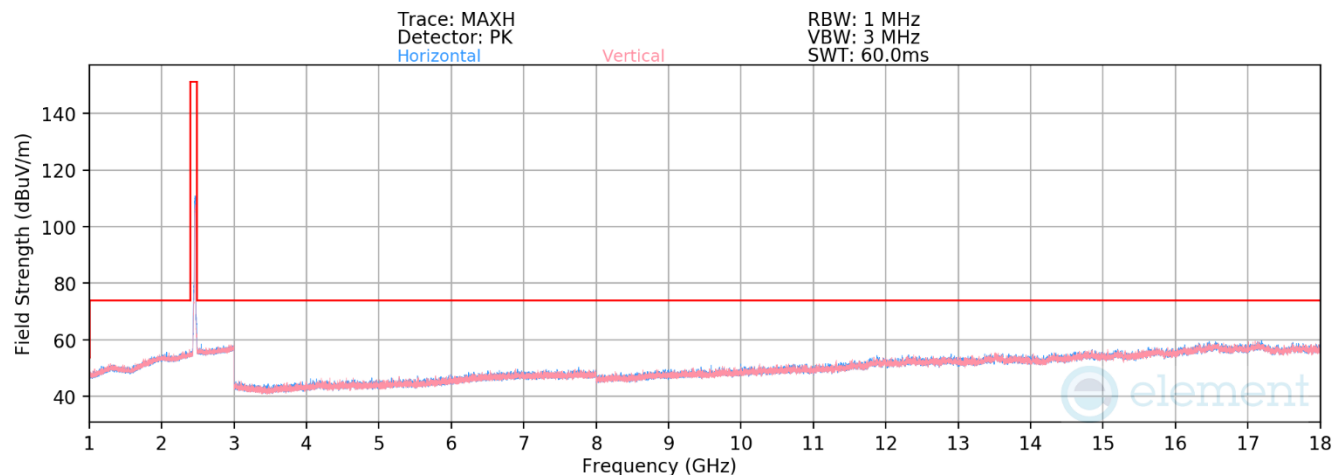
Mode:	802.11n
Data Rate:	MCS15
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dBm]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4874.00	Avg	H	-	-	-79.95	7.81	34.86	53.98	-19.12
4874.00	Peak	H	-	-	-68.19	7.81	46.62	73.98	-27.36
7311.00	Avg	H	-	-	-80.14	10.80	37.66	53.98	-16.32
7311.00	Peak	H	-	-	-68.85	10.80	48.95	73.98	-25.03
12185.00	Avg	H	-	-	-82.32	17.48	42.16	53.98	-11.82
12185.00	Peak	H	-	-	-70.62	17.48	53.86	73.98	-20.12

Table 7-37. Radiated Measurements CDD

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 106 of 225

V 10.6 09/14/2023



Plot 7-126. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 11)

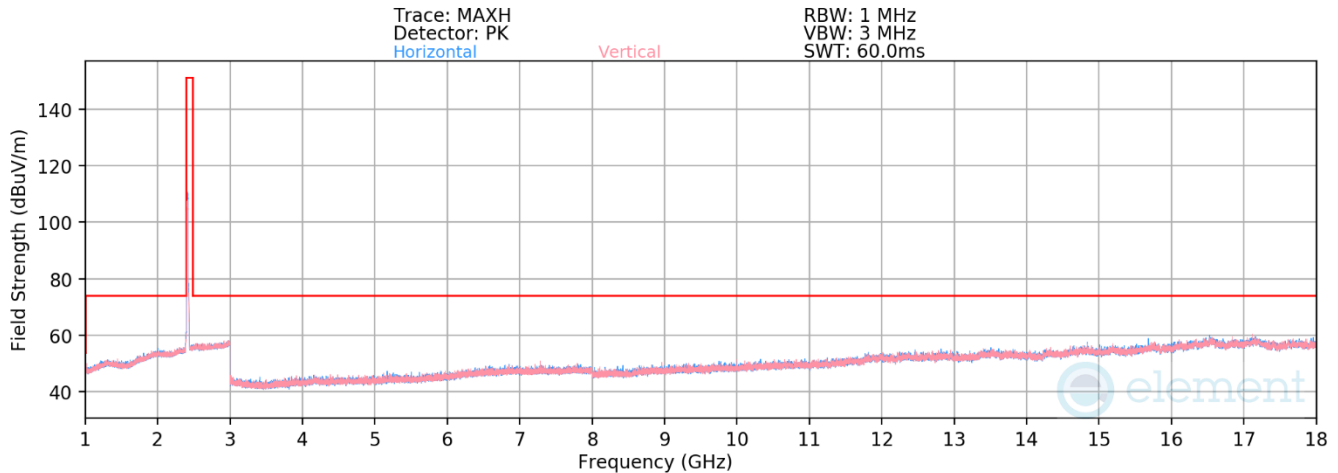
Mode: 802.11n
Data Rate: MCS15
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

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]
4924.00	Avg	H	-	-	-80.19	7.84	34.65	53.98	-19.33
4924.00	Peak	H	-	-	-68.78	7.84	46.06	73.98	-27.92
7386.00	Avg	H	-	-	-80.06	10.74	37.68	53.98	-16.30
7386.00	Peak	H	-	-	-68.64	10.74	49.10	73.98	-24.88
12310.00	Avg	H	-	-	-82.64	18.31	42.67	53.98	-11.31
12310.00	Peak	H	-	-	-70.99	18.31	54.32	73.98	-19.66

Table 7-38. Radiated Measurements CDD

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 107 of 225

V 10.6 09/14/2023



Plot 7-127. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 1)

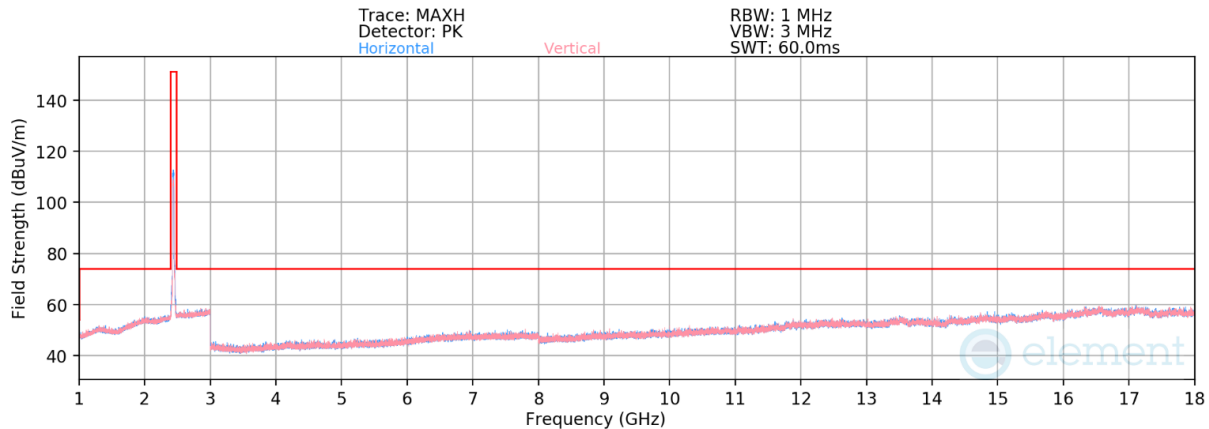
Mode: 802.11ax (SU)
Data Rate: MCS5
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 01

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]
4824.00	Avg	H	-	-	-79.58	7.32	34.74	53.98	-19.24
4824.00	Peak	H	-	-	-68.26	7.32	46.06	73.98	-27.92
12060.00	Avg	H	-	-	-82.35	17.79	42.44	53.98	-11.54
12060.00	Peak	H	-	-	-70.80	17.79	53.99	73.98	-19.99
14472.00	Avg	H	-	-	-83.19	20.26	44.07	53.98	-9.91
14472.00	Peak	H	-	-	-71.93	20.26	55.33	73.98	-18.65

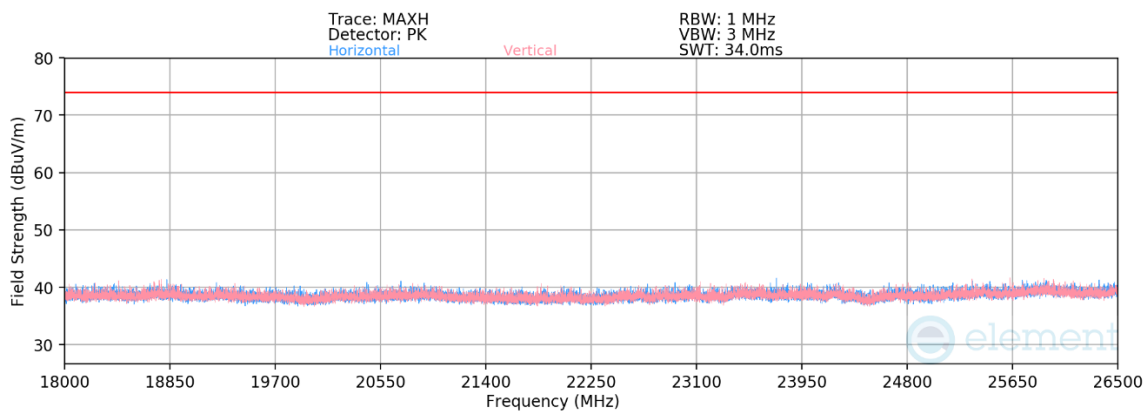
Table 7-39. Radiated Measurements CDD

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 108 of 225

V 10.6 09/14/2023



Plot 7-128. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 6)



Plot 7-129. Radiated Spurious Emissions above 18GHz CDD (802.11ax (SU) – Ch.6)

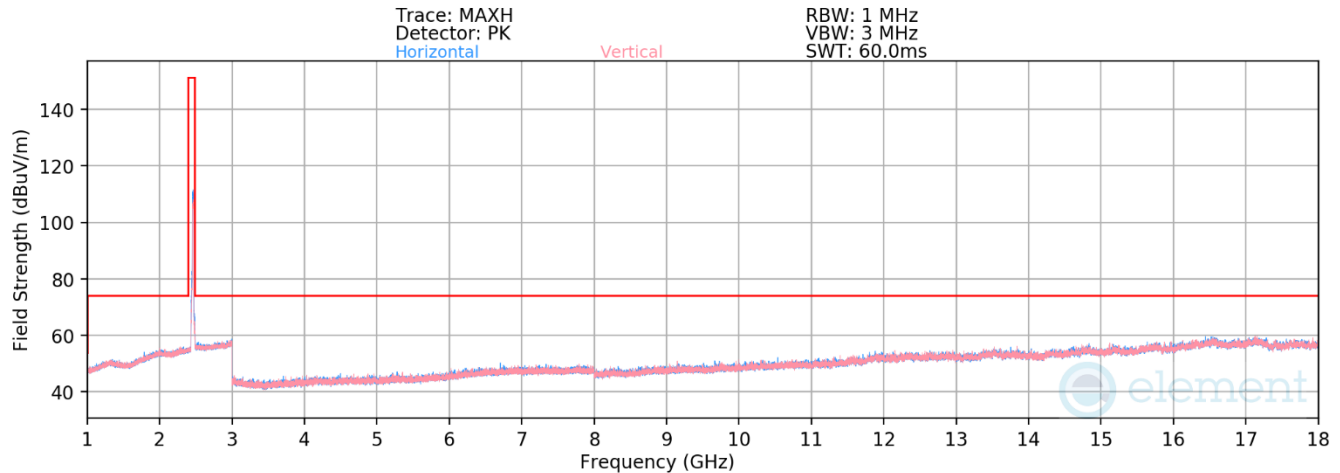
Mode: 802.11ax (SU)
Data Rate: MCS5
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 06

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]
4874.00	Avg	H	-	-	-79.73	7.81	35.08	53.98	-18.90
4874.00	Peak	H	-	-	-68.60	7.81	46.21	73.98	-27.77
7311.00	Avg	H	-	-	-80.33	10.80	37.47	53.98	-16.51
7311.00	Peak	H	-	-	-68.87	10.80	48.93	73.98	-25.05
12185.00	Avg	H	-	-	-82.12	17.48	42.36	53.98	-11.62
12185.00	Peak	H	-	-	-70.38	17.48	54.10	73.98	-19.88

Table 7-40. Radiated Measurements CDD

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 109 of 225

V 10.6 09/14/2023



Plot 7-130. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 11)

Mode: 802.11ax (SU)
Data Rate: MCS5
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

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]
4924.00	Avg	H	-	-	-80.25	7.88	34.63	53.98	-19.35
4924.00	Peak	H	-	-	-69.38	7.88	45.50	73.98	-28.48
7386.00	Avg	H	-	-	-80.13	10.74	37.61	53.98	-16.37
7386.00	Peak	H	-	-	-68.44	10.74	49.30	73.98	-24.68
12310.00	Avg	H	-	-	-82.37	18.05	42.68	53.98	-11.30
12310.00	Peak	H	-	-	-71.39	18.05	53.66	73.98	-20.32

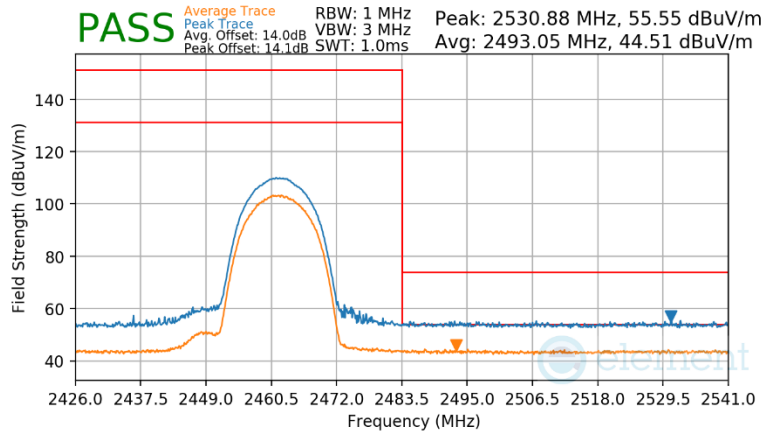
Table 7-41. Radiated Measurements CDD

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 110 of 225

V 10.6 09/14/2023

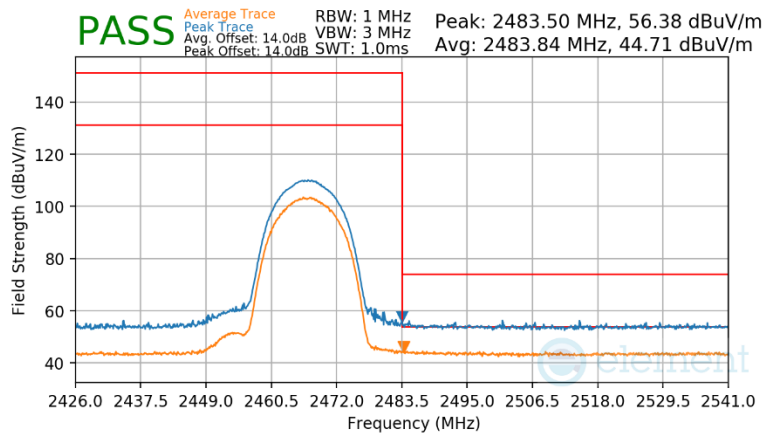
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

Mode	802.11b
Data Rate	11Mbps
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



Plot 7-132 Radiated Restricted Upper Band Edge Measurement Ant1

Mode	802.11b
Data Rate	11Mbps
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12

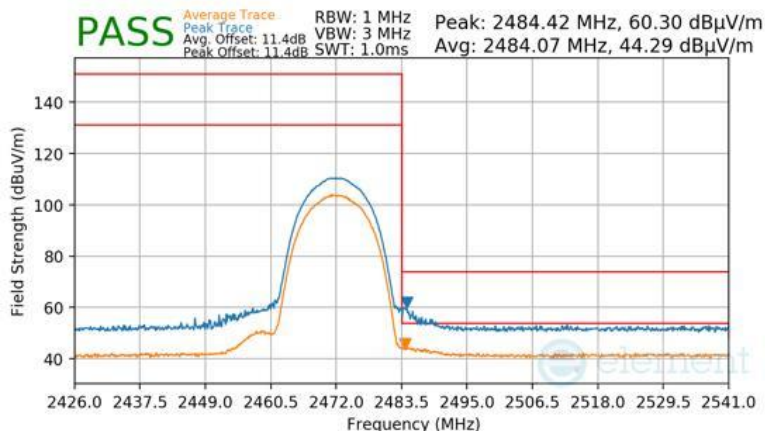


Plot 7-133 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 112 of 225

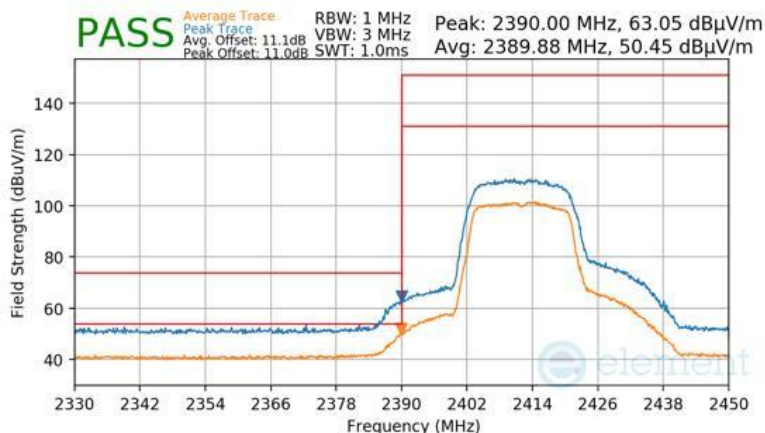
V 10.6 09/14/2023

Mode	802.11b
Data Rate	11Mbps
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



Plot 7-134 Radiated Restricted Upper Band Edge Measurement Ant1

Mode	802.11n
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1

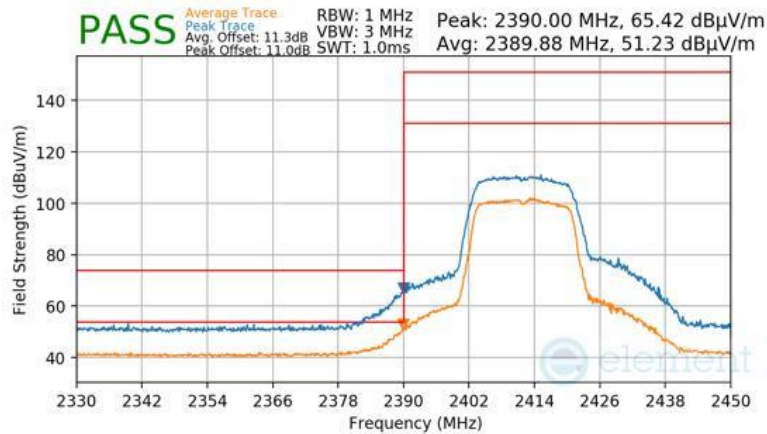


Plot 7-135 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 113 of 225

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

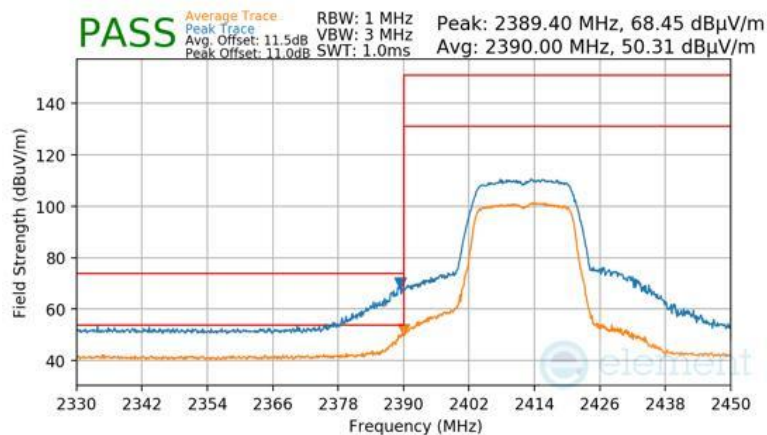
802.11n
MCS4
3 Meters
2412MHz
1



Plot 7-136 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11n
MCS7
3 Meters
2412MHz
1

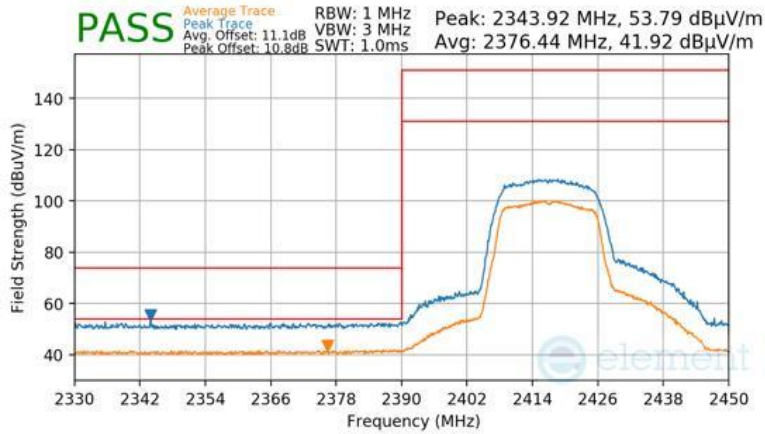


Plot 7-137 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 114 of 225

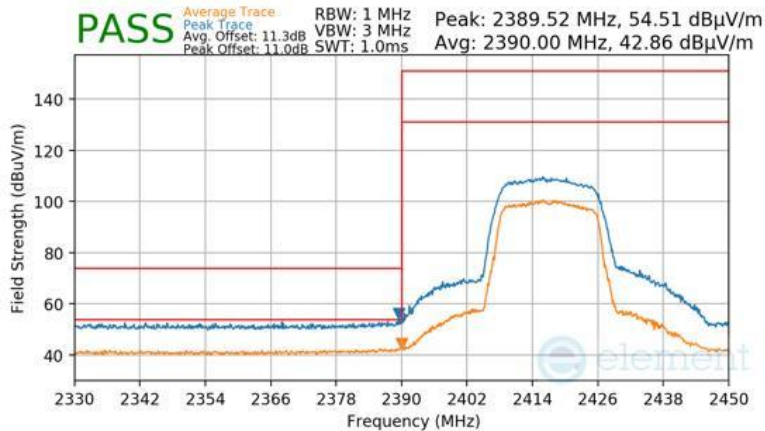
V 10.6 09/14/2023

Mode	802.11n
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



Plot 7-138 Radiated Restricted Lower Band Edge Measurement Ant1

Mode	802.11n
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2

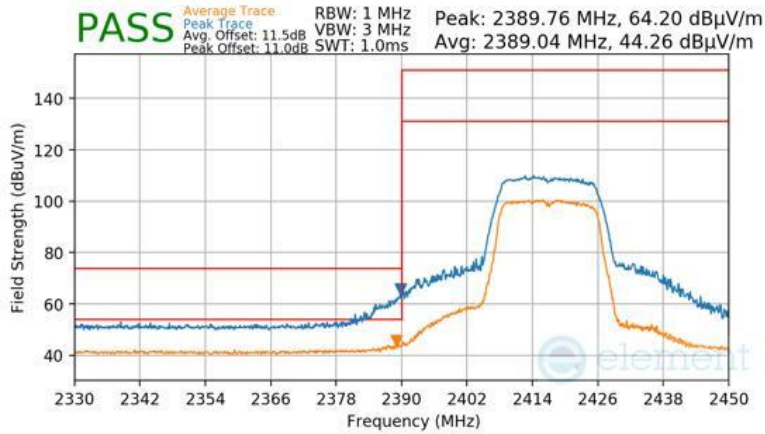


Plot 7-139 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 115 of 225

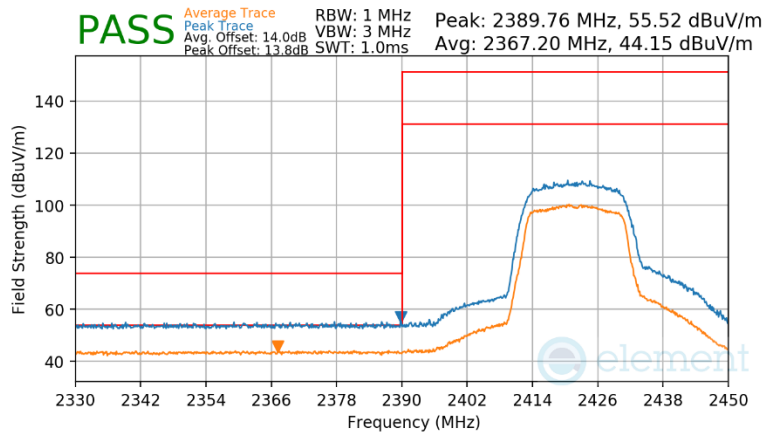
V 10.6 09/14/2023

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



Plot 7-140 Radiated Restricted Lower Band Edge Measurement Ant1

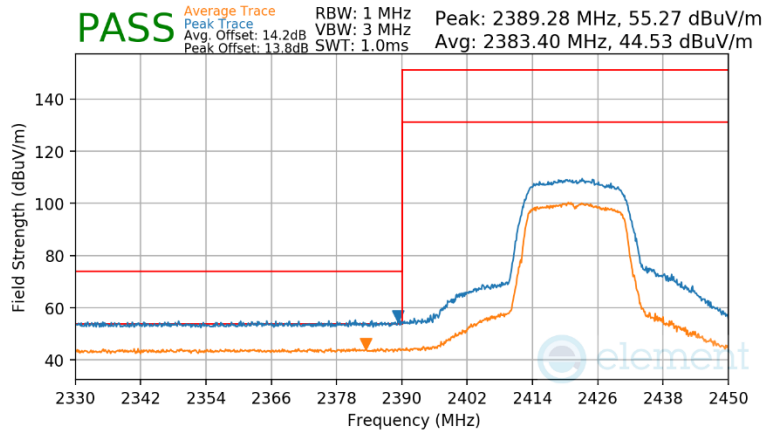
Mode	802.11n
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



Plot 7-141 Radiated Restricted Lower Band Edge Measurement Ant1

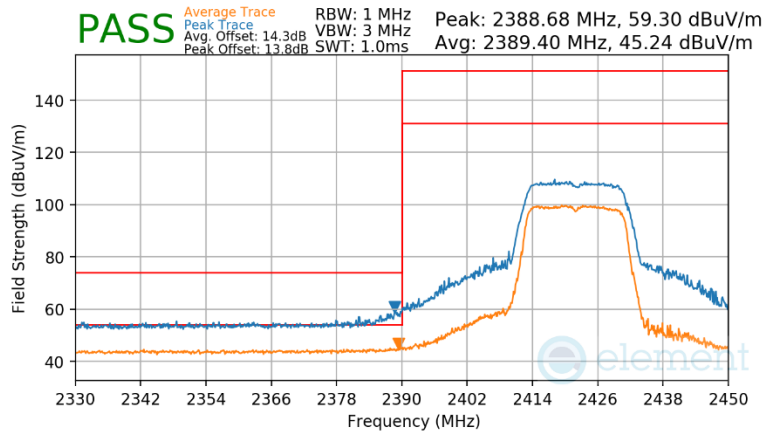
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 116 of 225

Mode	802.11n
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



Plot 7-142 Radiated Restricted Lower Band Edge Measurement Ant1

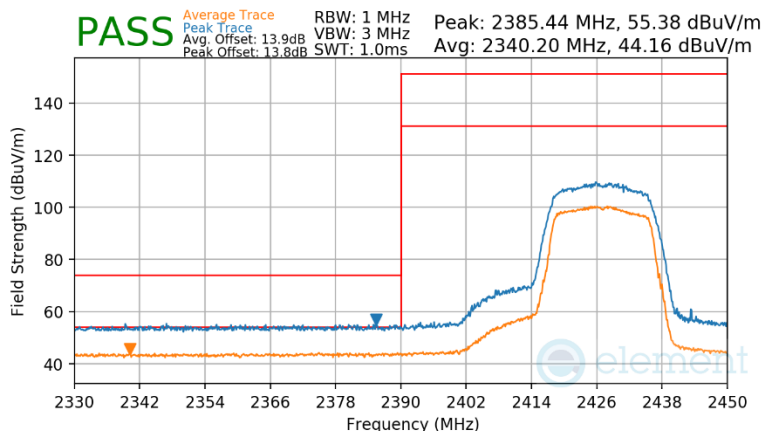
Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



Plot 7-143 Radiated Restricted Lower Band Edge Measurement Ant1

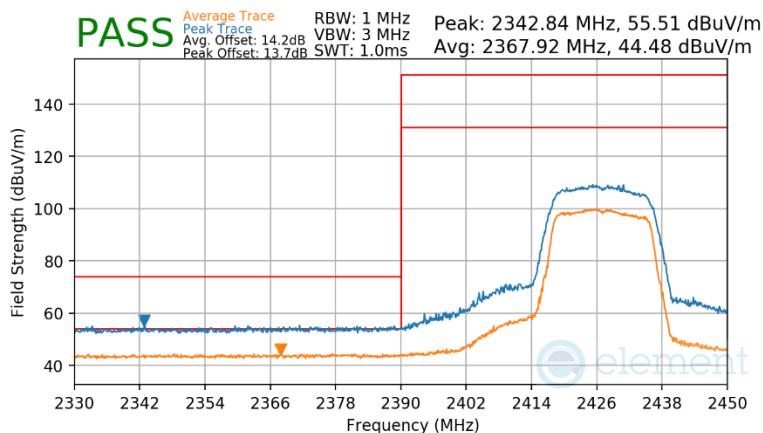
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 117 of 225

Mode	802.11n
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



Plot 7-144 Radiated Restricted Lower Band Edge Measurement Ant1

Mode	802.11n
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4

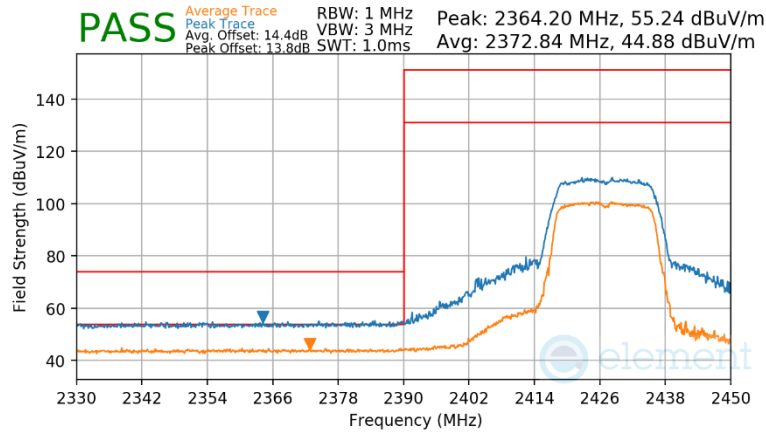


Plot 7-145 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 118 of 225

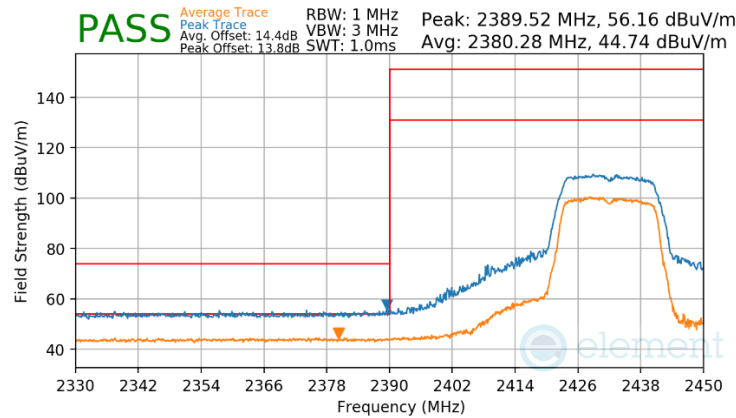
V 10.6 09/14/2023

Mode 802.11n
Data Rate MCS7
Distance of Measurement 3 Meters
Operating Frequency 2427MHz
Channel 4



Plot 7-146 Radiated Restricted Lower Band Edge Measurement Ant1

Mode 802.11n
Data Rate MCS7
Distance of Measurement 3 Meters
Operating Frequency 2432MHz
Channel 5

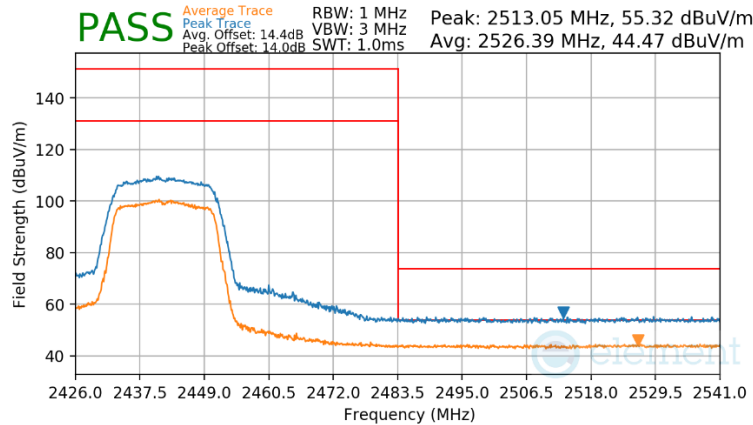


Plot 7-147 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 119 of 225

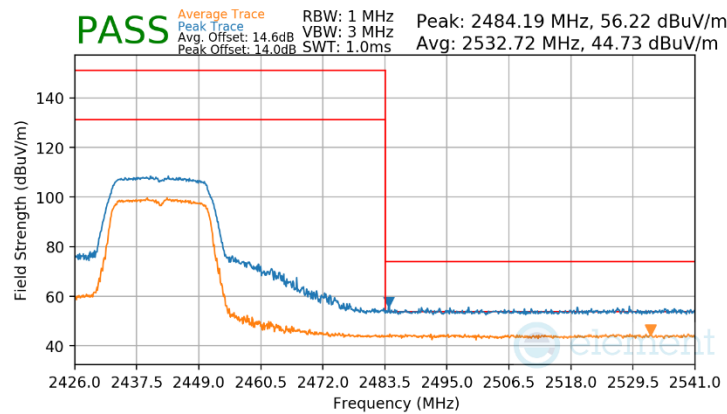
V 10.6 09/14/2023

Mode	802.11n
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



Plot 7-148 Radiated Restricted Upper Band Edge Measurement Ant1

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7

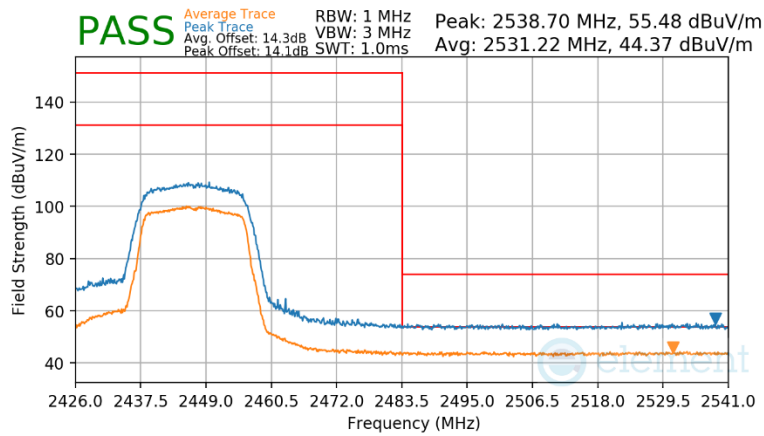


Plot 7-149 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 120 of 225

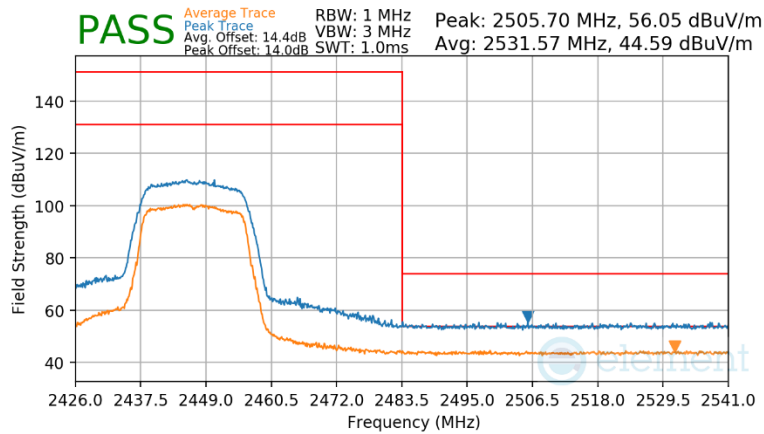
V 10.6 09/14/2023

Mode 802.11n
Data Rate MCS2
Distance of Measurement 3 Meters
Operating Frequency 2447MHz
Channel 8



Plot 7-150 Radiated Restricted Upper Band Edge Measurement Ant1

Mode 802.11n
Data Rate MCS4
Distance of Measurement 3 Meters
Operating Frequency 2447MHz
Channel 8

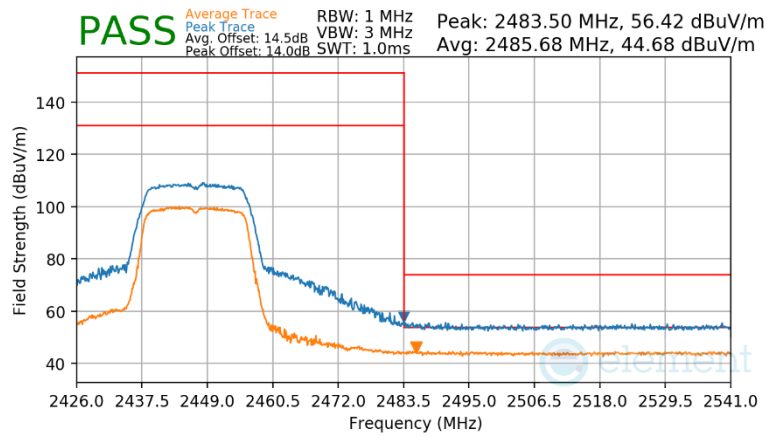


Plot 7-151 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 121 of 225

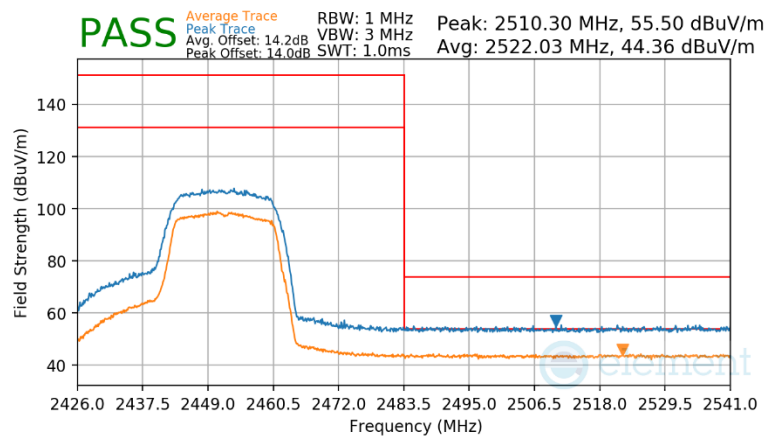
V 10.6 09/14/2023

Mode 802.11n
Data Rate MCS7
Distance of Measurement 3 Meters
Operating Frequency 2447MHz
Channel 8



Plot 7-152 Radiated Restricted Upper Band Edge Measurement Ant1

Mode 802.11n
Data Rate MCS2
Distance of Measurement 3 Meters
Operating Frequency 2453MHz
Channel 9

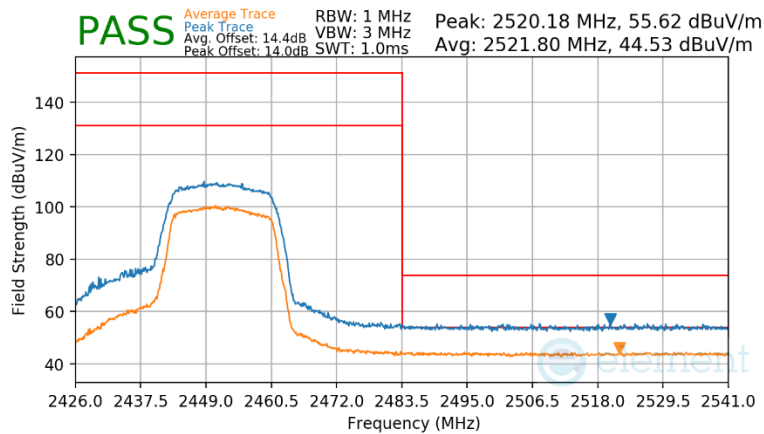


Plot 7-153 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 122 of 225

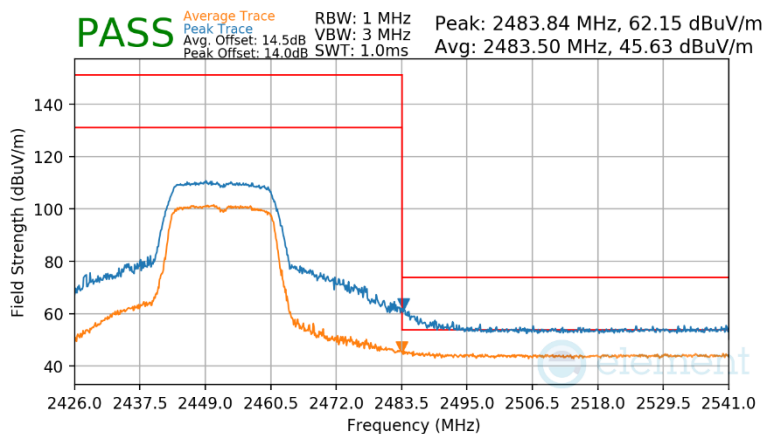
V 10.6 09/14/2023

Mode	802.11n
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2453MHz
Channel	9



Plot 7-154 Radiated Restricted Upper Band Edge Measurement Ant1

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2453MHz
Channel	9

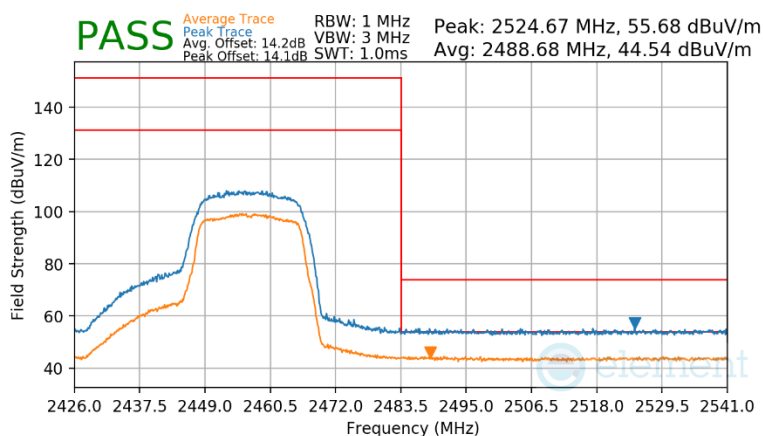


Plot 7-155 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 123 of 225

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

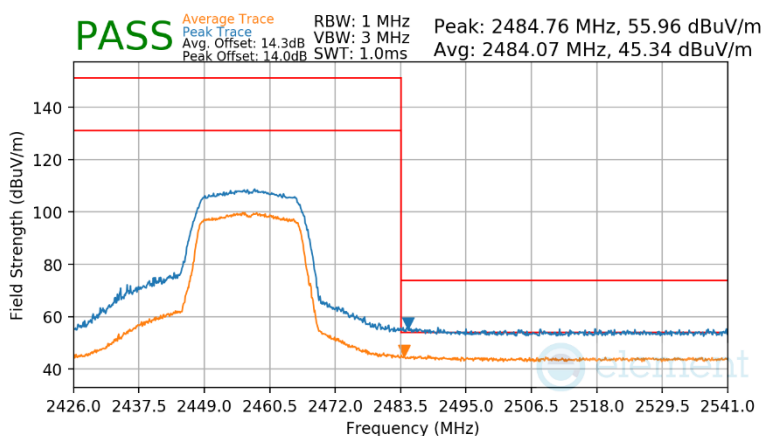
802.11n
MCS2
3 Meters
2457MHz
10



Plot 7-156 Radiated Restricted Upper Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11n
MCS4
3 Meters
2457MHz
10



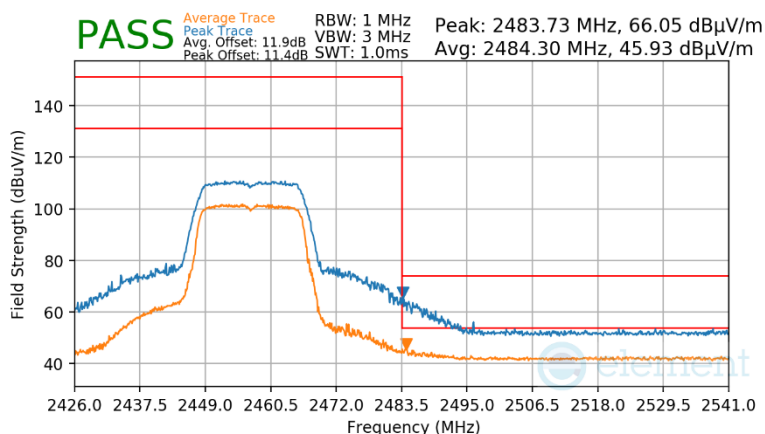
Plot 7-157 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 124 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

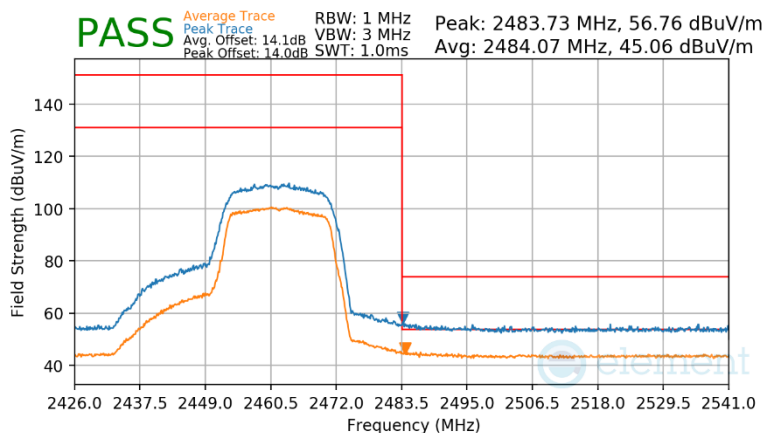
802.11n
 MCS7
 3 Meters
 2457MHz
 10



Plot 7-158 Radiated Restricted Upper Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11n
 MCS2
 3 Meters
 2462MHz
 11



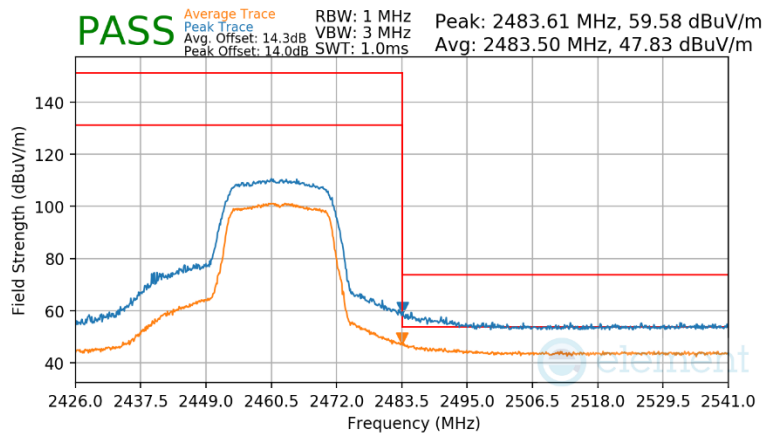
Plot 7-159 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 125 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

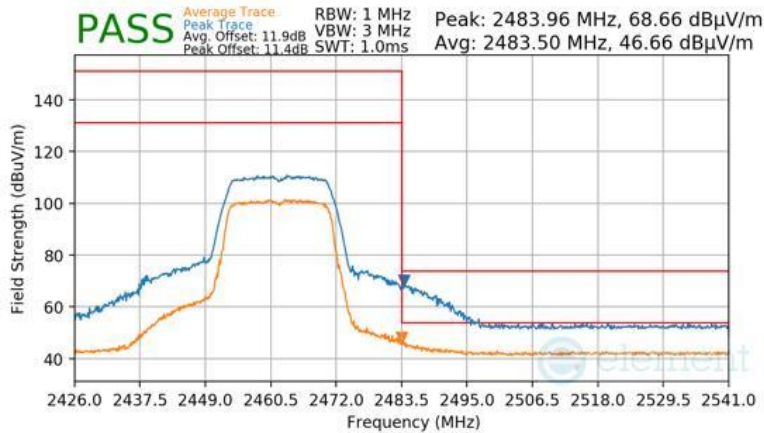
802.11n
MCS4
3 Meters
2462MHz
11



Plot 7-160 Radiated Restricted Upper Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11n
MCS7
3 Meters
2462MHz
11



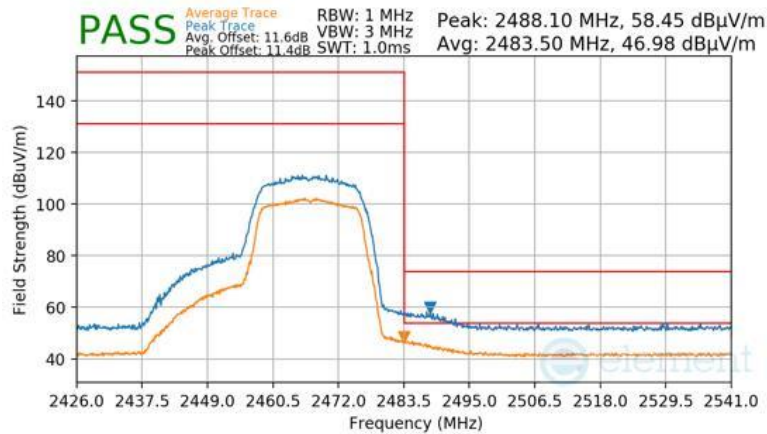
Plot 7-161 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 126 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

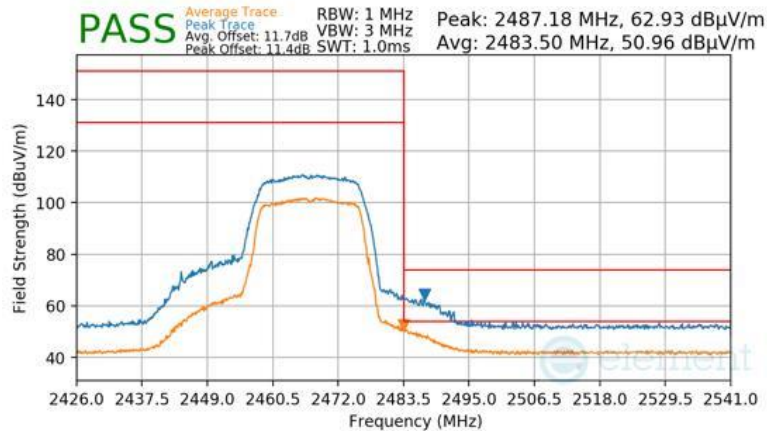
802.11n
MCS2
3 Meters
2467MHz
12



Plot 7-162 Radiated Restricted Upper Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11n
MCS4
3 Meters
2467MHz
12



Plot 7-163 Radiated Restricted Upper Band Edge Measurement Ant1

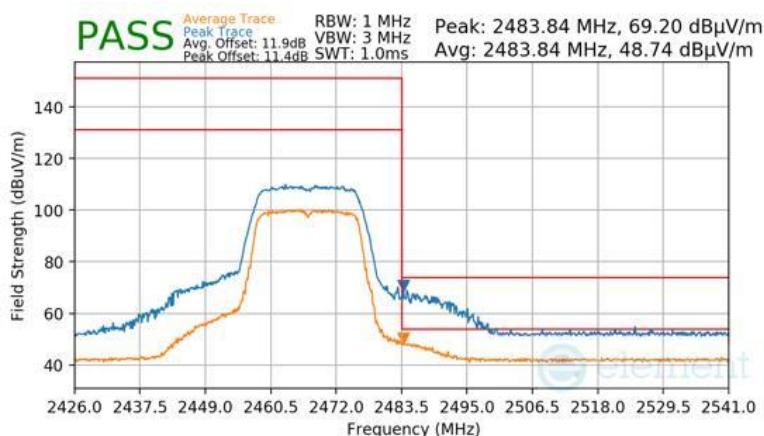
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 127 of 225

V 10.6 09/14/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

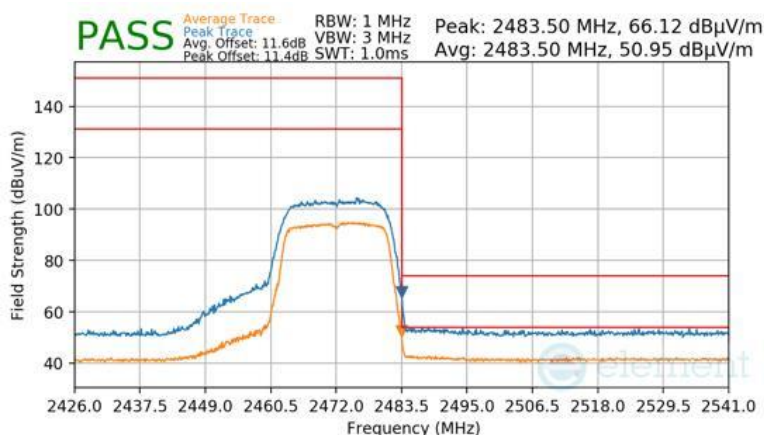
802.11n
MCS7
3 Meters
2467MHz
12



Plot 7-164 Radiated Restricted Upper Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11n
MCS2
3 Meters
2472MHz
13



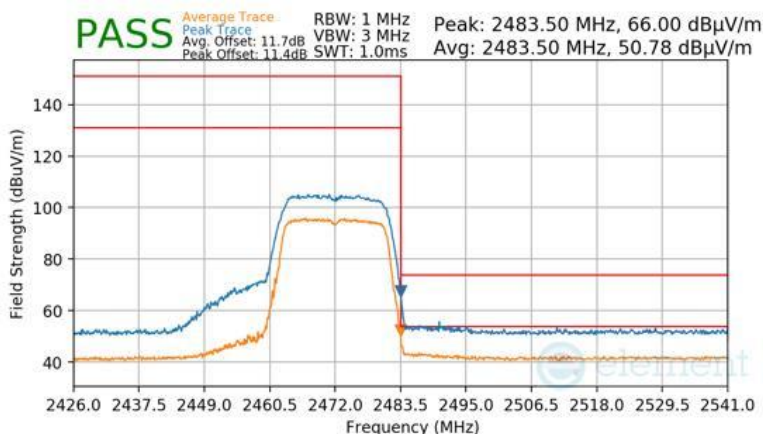
Plot 7-165 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 128 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

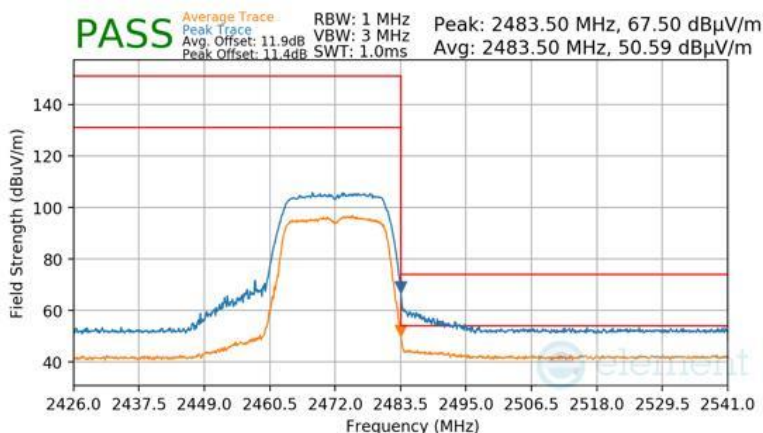
802.11n
MCS4
3 Meters
2472MHz
13



Plot 7-166 Radiated Restricted Upper Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11n
MCS7
3 Meters
2472MHz
13

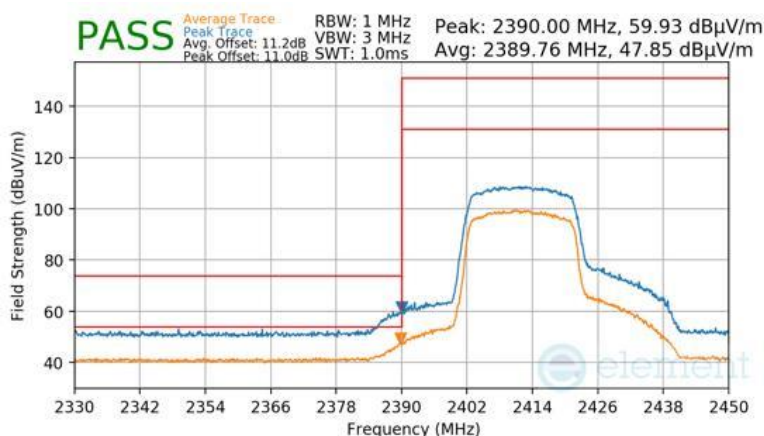


Plot 7-167 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 129 of 225

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

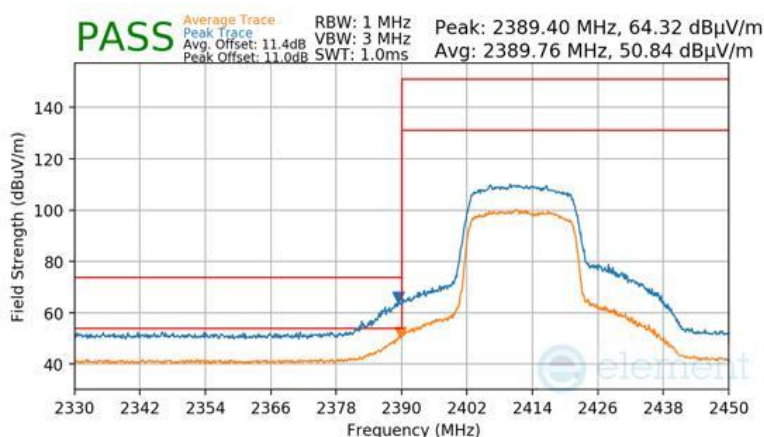
802.11ax-SU
 MCS2
 3 Meters
 2412MHz
 1



Plot 7-168 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS4
 3 Meters
 2412MHz
 1



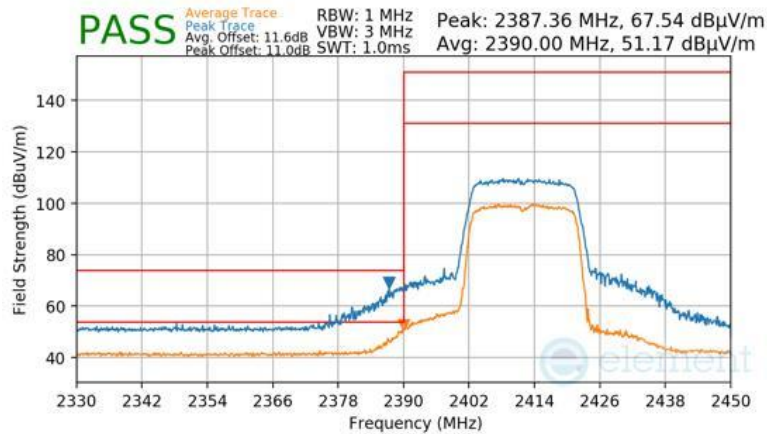
Plot 7-169 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 130 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

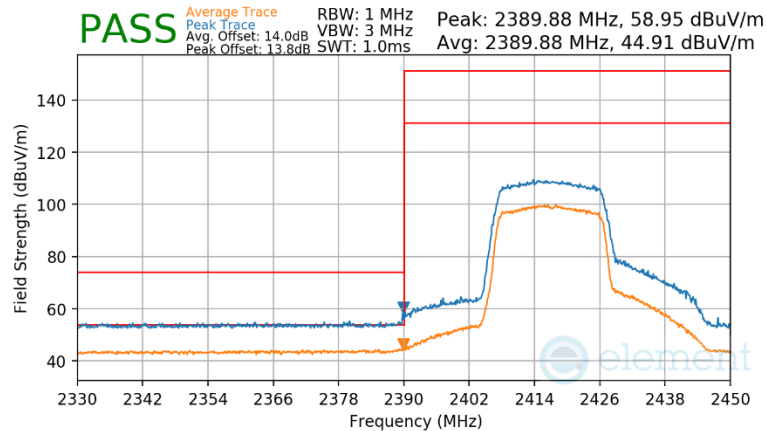
802.11ax-SU
MCS9
3 Meters
2412MHz
1



Plot 7-170 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
MCS2
3 Meters
2417MHz
2



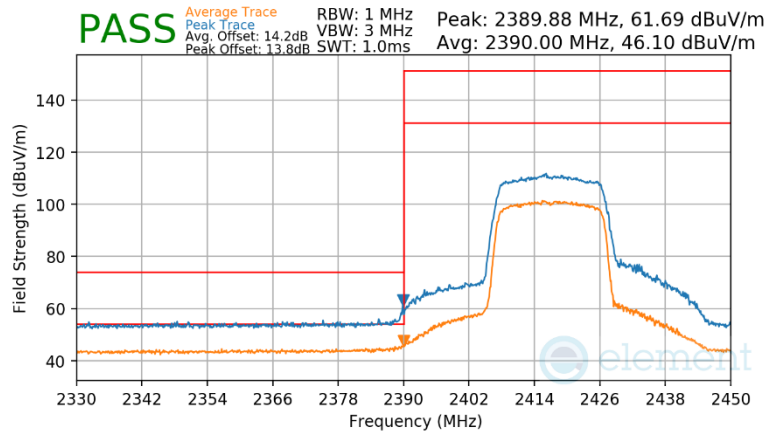
Plot 7-171 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 131 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

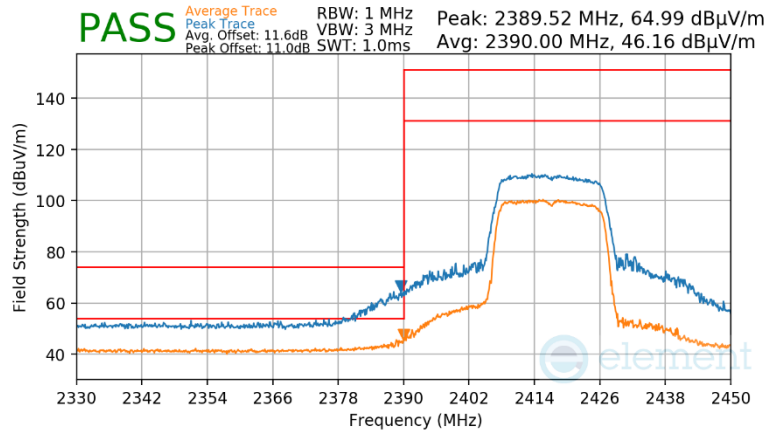
802.11ax-SU
 MCS4
 3 Meters
 2417MHz
 2



Plot 7-172 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS9
 3 Meters
 2417MHz
 2



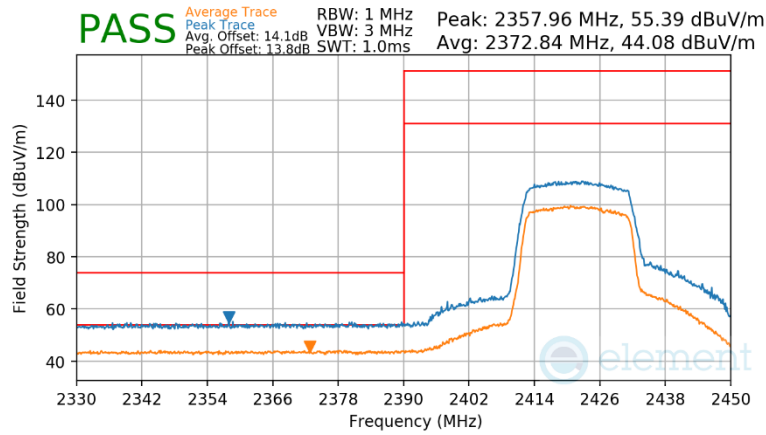
Plot 7-173 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 132 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

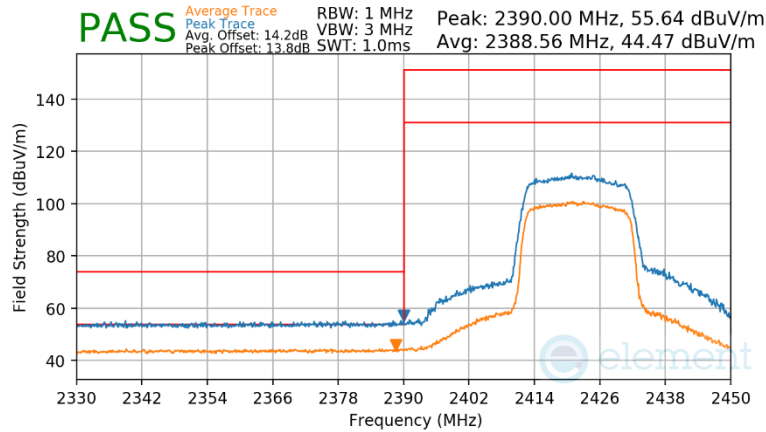
802.11ax-SU
MCS2
3 Meters
2422MHz
3



Plot 7-174 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
MCS4
3 Meters
2422MHz
3



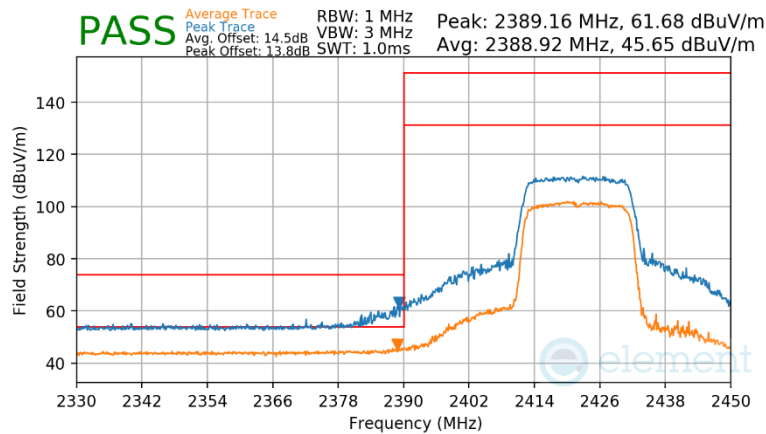
Plot 7-175 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 133 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

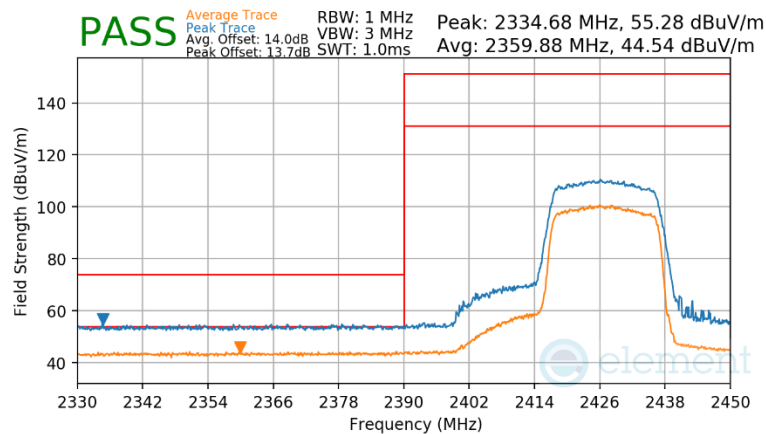
802.11ax-SU
MCS9
3 Meters
2422MHz
3



Plot 7-176 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
MCS2
3 Meters
2427MHz
4



Plot 7-177 Radiated Restricted Lower Band Edge Measurement Ant1

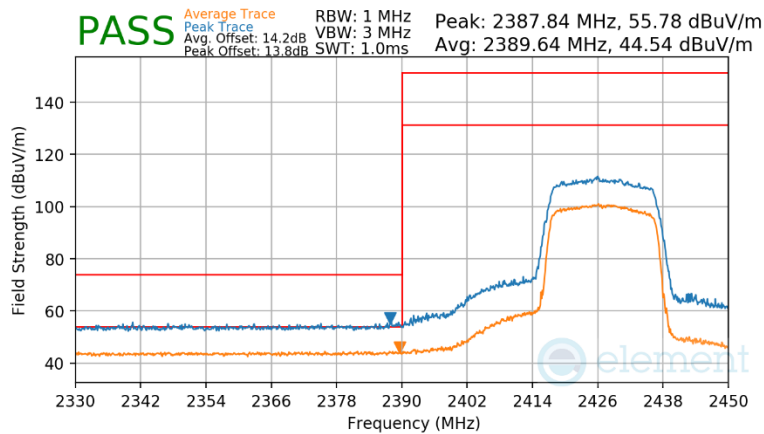
FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 134 of 225

V 10.6 09/14/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

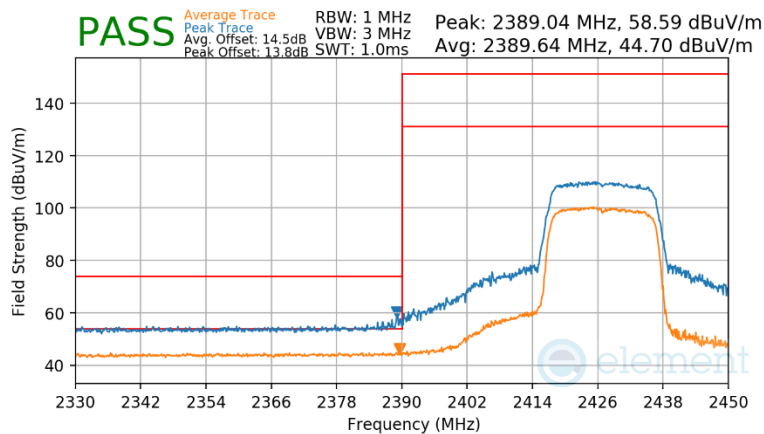
802.11ax-SU
MCS4
3 Meters
2427MHz
4



Plot 7-178 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
MCS9
3 Meters
2427MHz
4



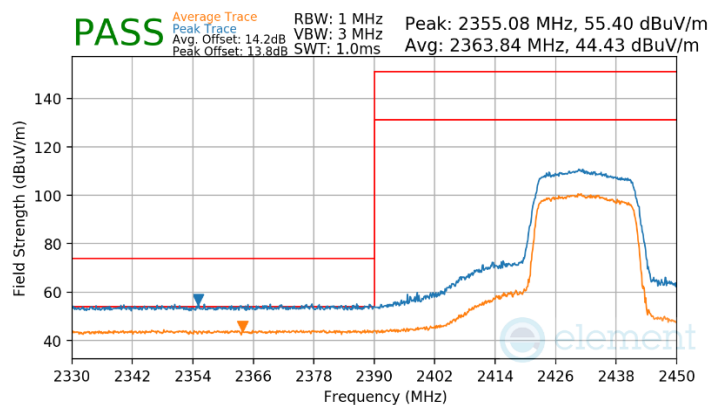
Plot 7-179 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 135 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

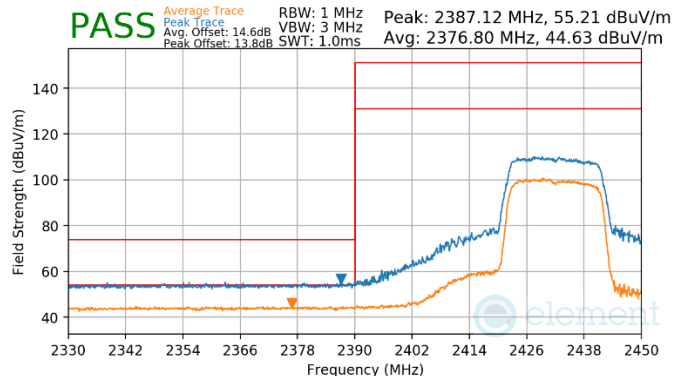
802.11ax-SU
 MCS4
 3 Meters
 2432MHz
 5



Plot 7-180 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS9
 3 Meters
 2432MHz
 5



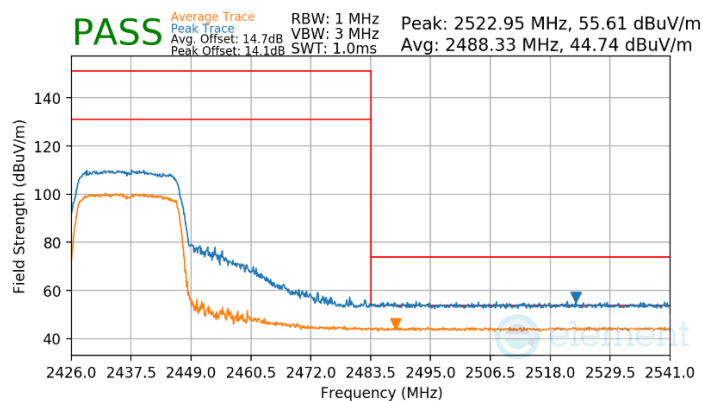
Plot 7-181 Radiated Restricted Lower Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 136 of 225

V 10.6 09/14/2023

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

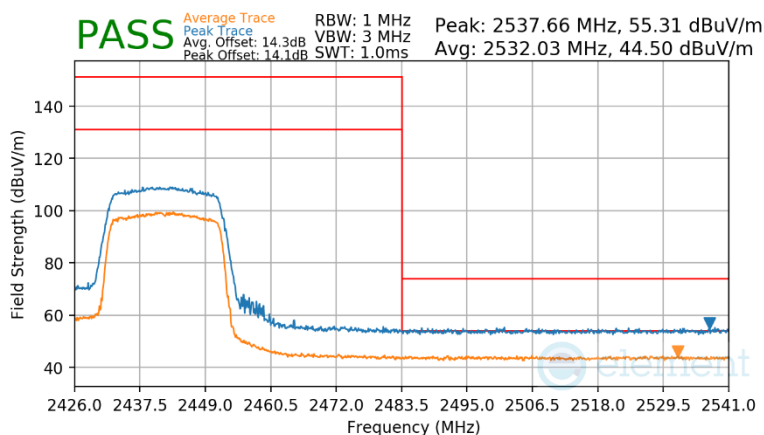
802.11ax-SU
 MCS9
 3 Meters
 2437MHz
 6



Plot 7-182 Radiated Restricted Lower Band Edge Measurement Ant1

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS2
 3 Meters
 2442MHz
 7

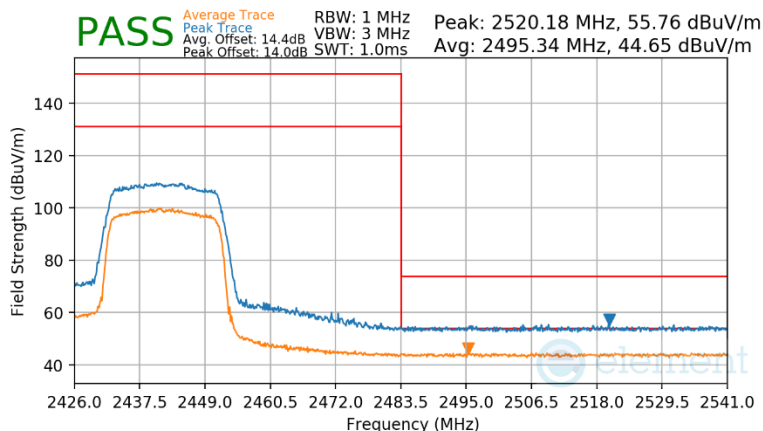


Plot 7-183 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 137 of 225

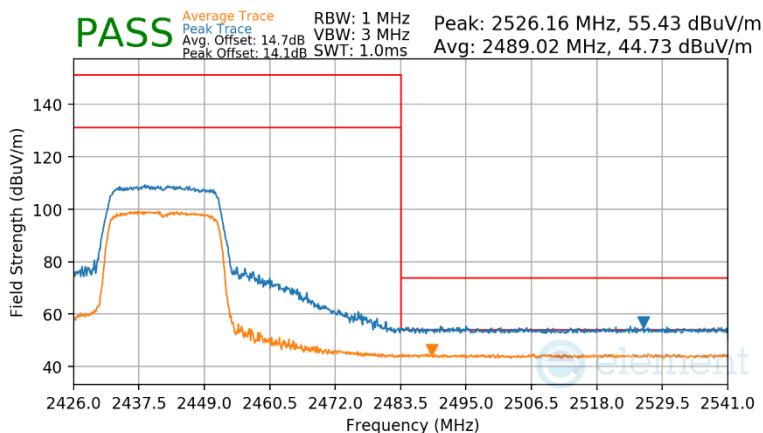
V 10.6 09/14/2023

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



Plot 7-184 Radiated Restricted Upper Band Edge Measurement Ant1

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



Plot 7-185 Radiated Restricted Upper Band Edge Measurement Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-04.BCG	Test Dates: 05/10/2025 - 09/12/2025	EUT Type: Head Mounted Device	Page 138 of 225

V 10.6 09/14/2023