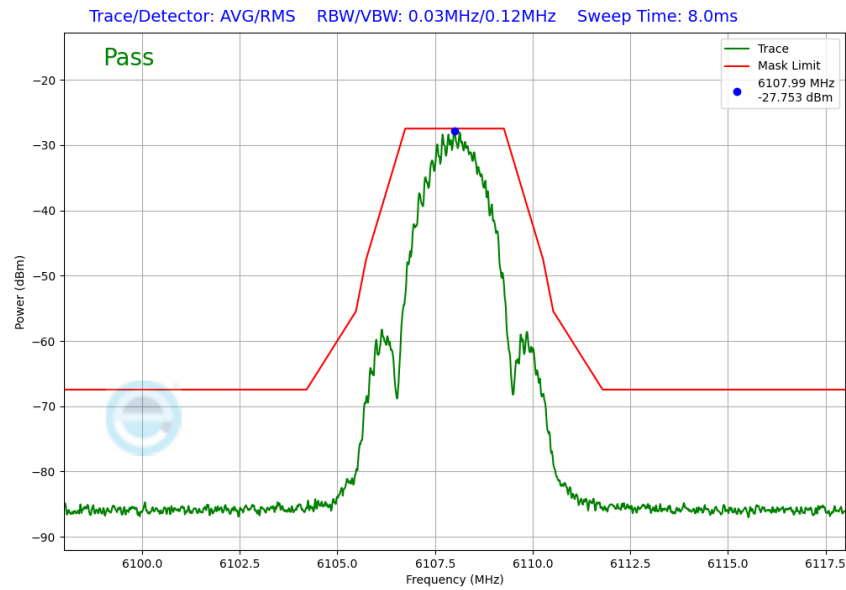
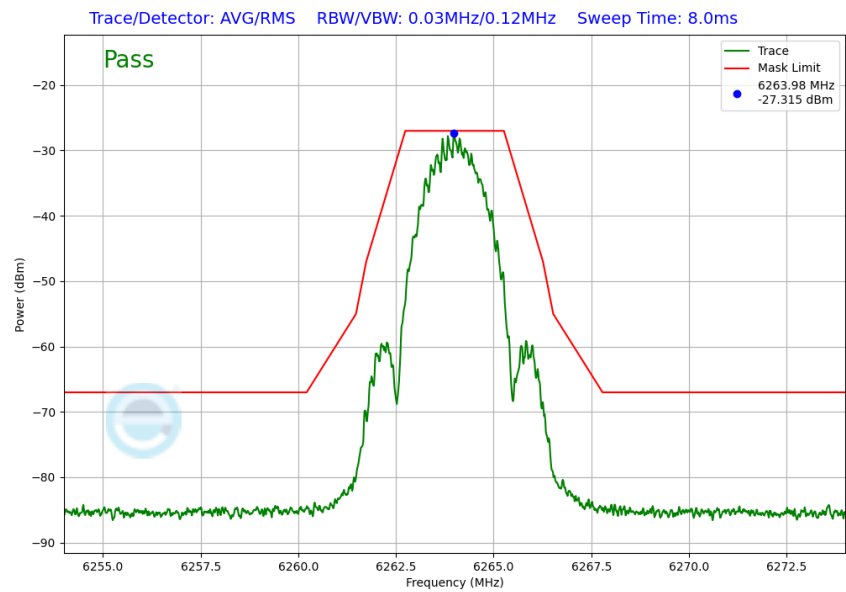




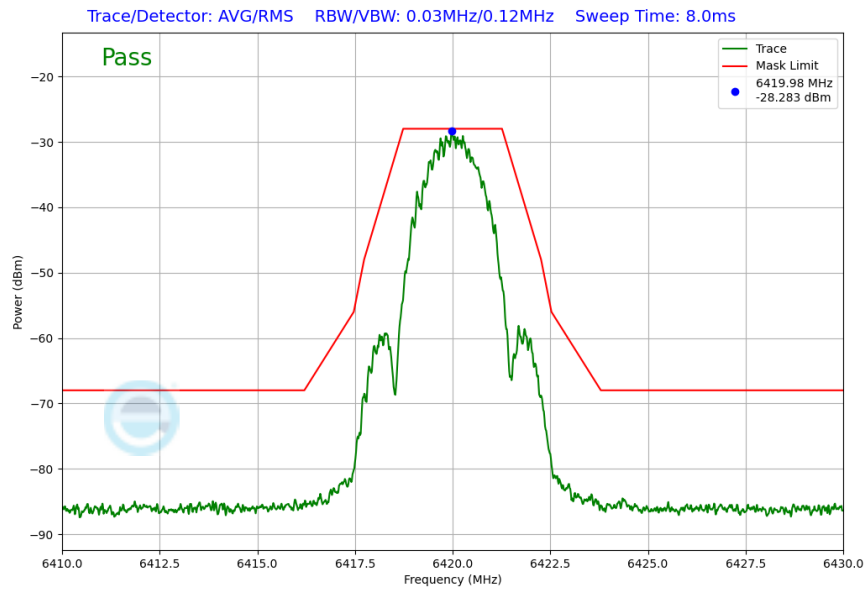
Plot 7-112. GEM (NB UNII_L LE2M – 6108MHz)



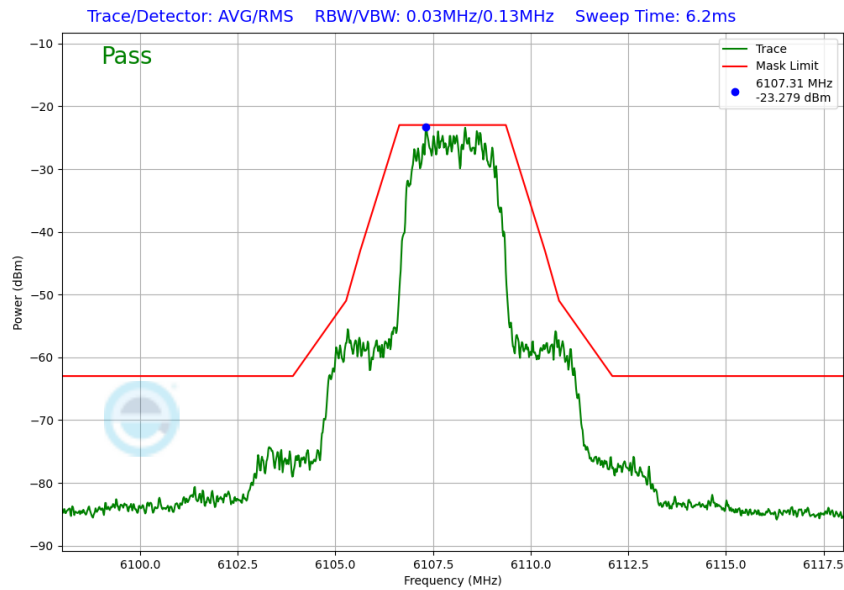
Plot 7-113. GEM (NB UNII_L LE2M – 6264MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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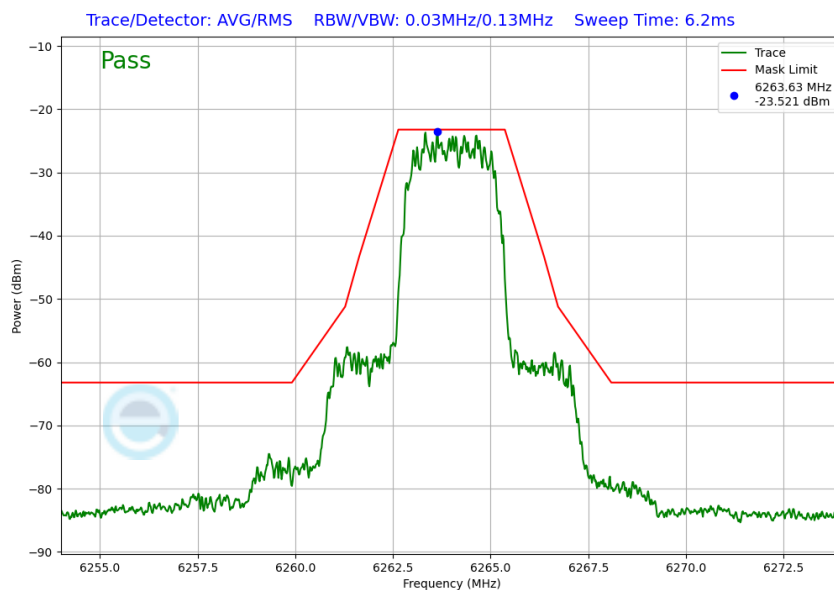
Plot 7-114. GEM (NB UNII_L LE2M – 6420MHz)



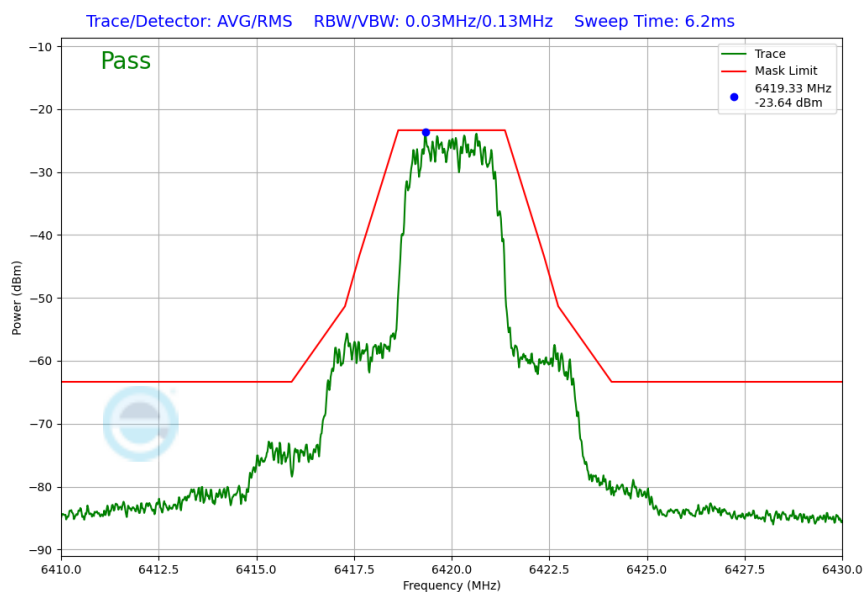
Plot 7-115. GEM (NB UNII_L HDR4 – 6108MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 86 of 136

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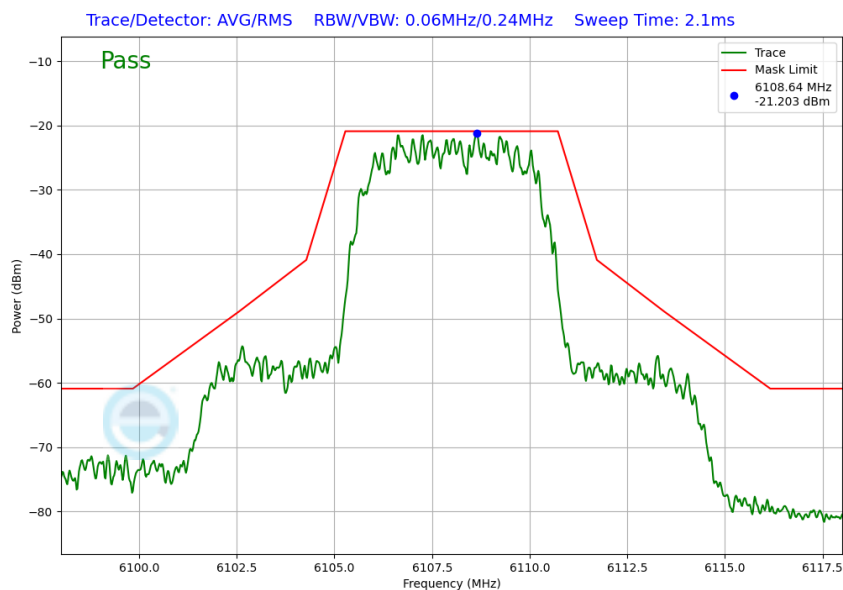
Plot 7-116. GEM (NB UNII_L HDR4 – 6264MHz)



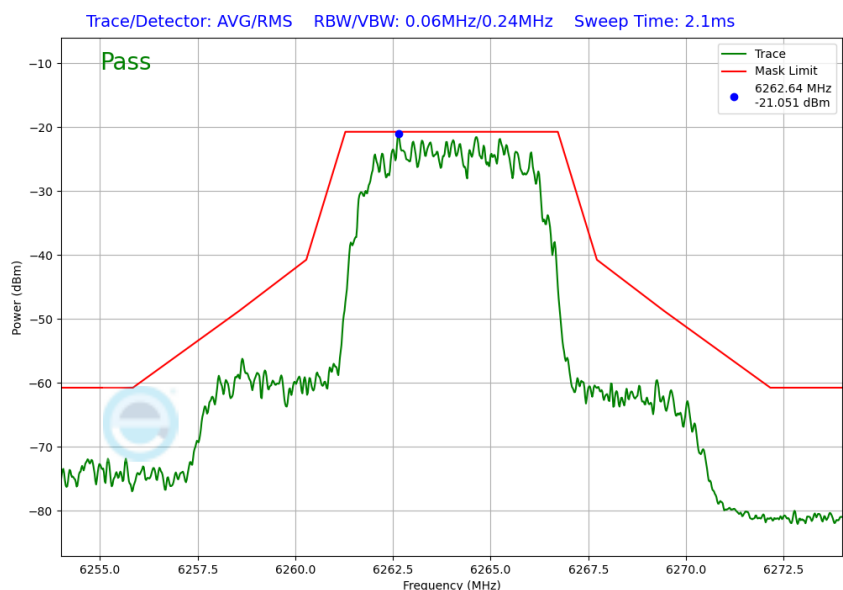
Plot 7-117. GEM (NB UNII_L HDR4 – 6420MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 87 of 136

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Plot 7-118. GEM (NB UNII_L HDR8 – 6108MHz)

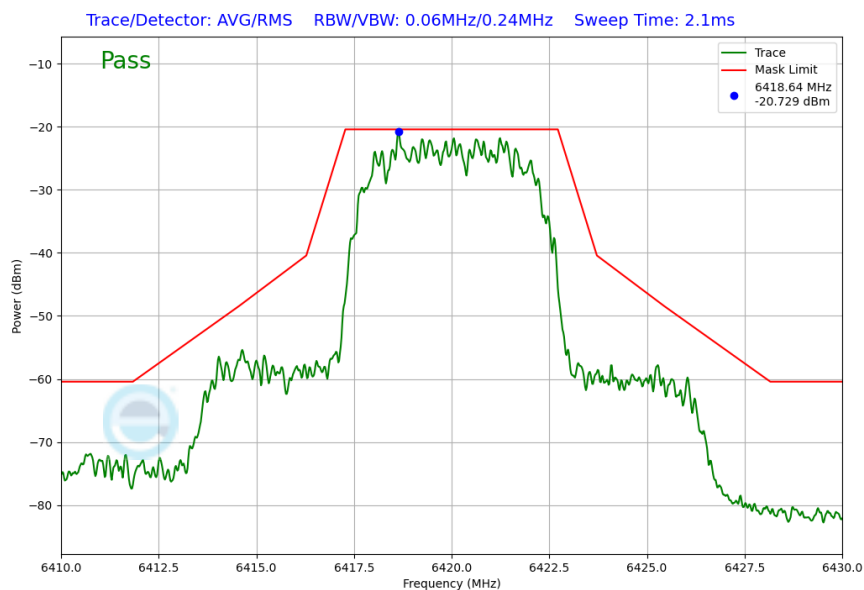


Plot 7-119. GEM (NB UNII_L HDR8 – 6264MHz)

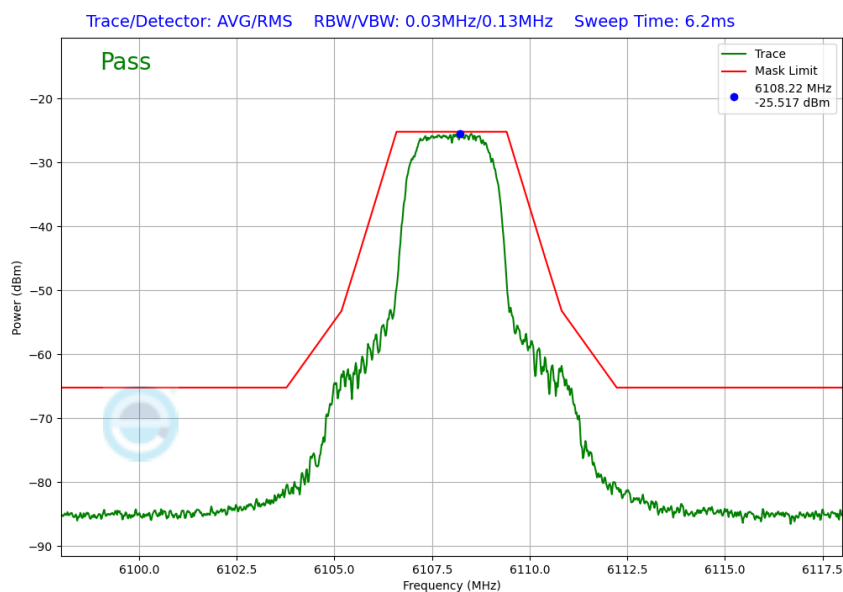
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 88 of 136

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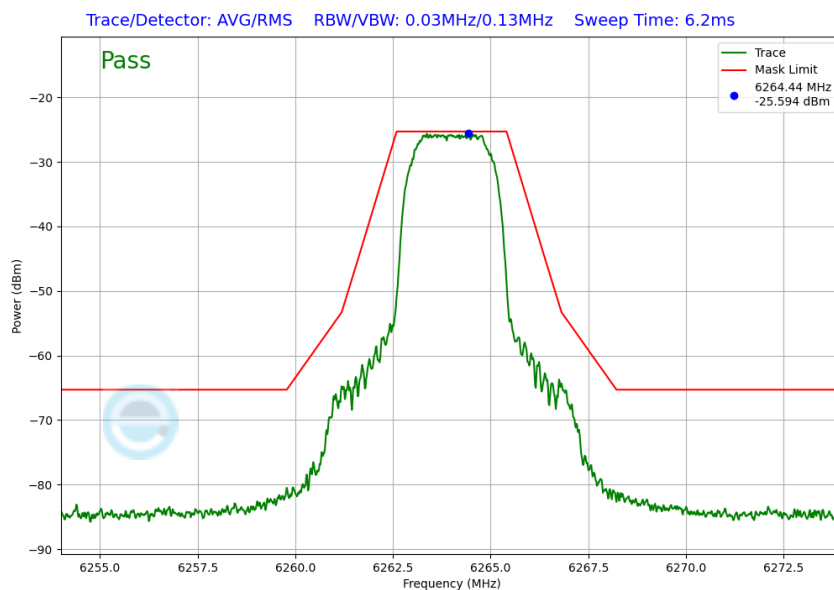
Plot 7-120. GEM (NB UNII_L HDR8 – 6420MHz)



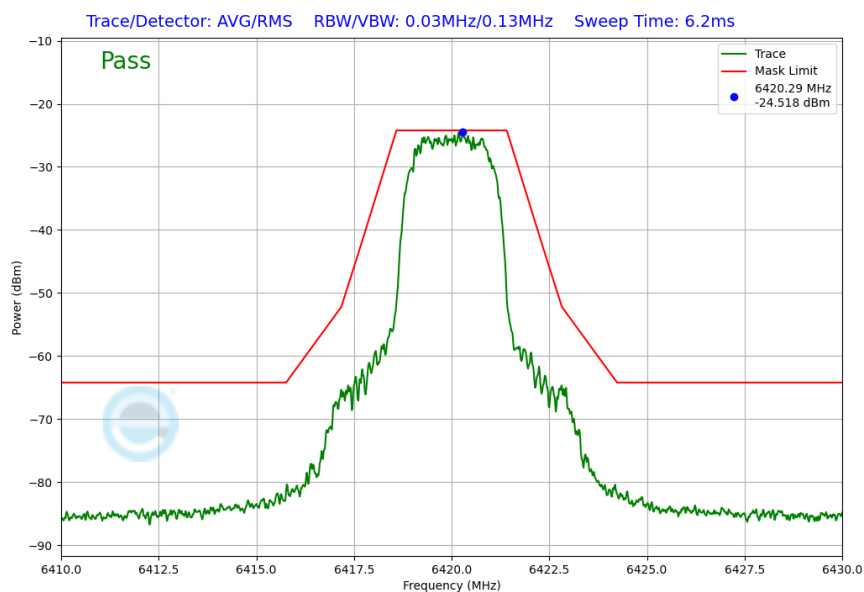
Plot 7-121. GEM (NB UNII_L HDRp4 – 6108MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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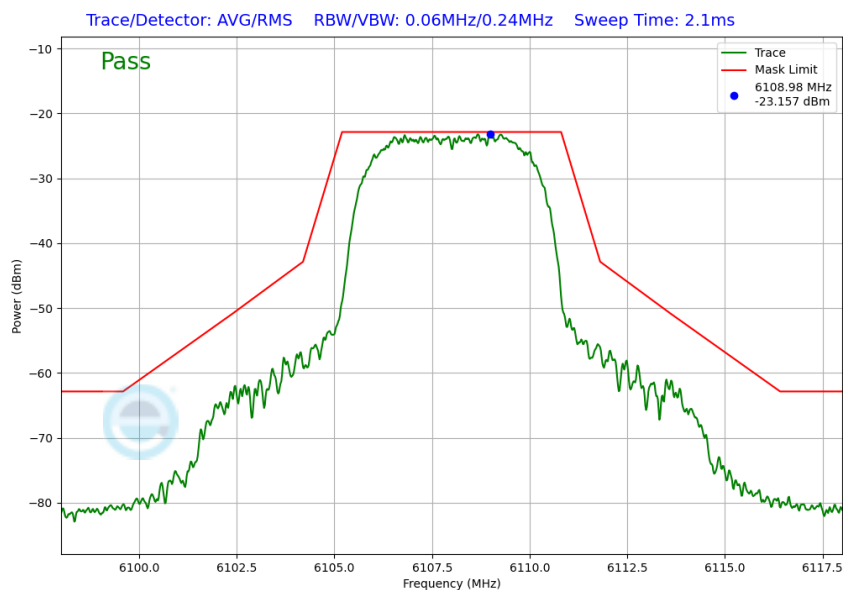
Plot 7-122. GEM (NB UNII_L HDRp4 – 6264MHz)



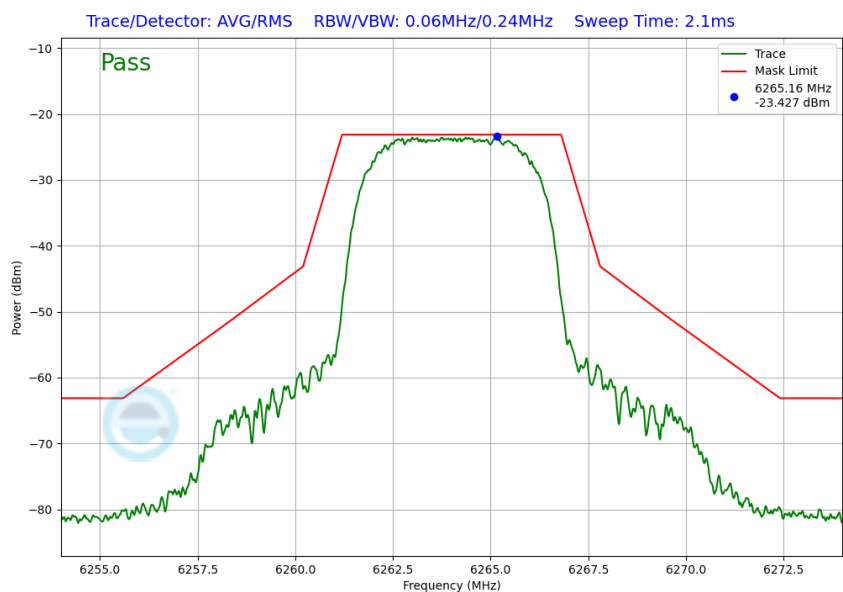
Plot 7-123. GEM (NB UNII_L HDRp4 – 6420MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-124. GEM (NB UNII_L HDRp8 – 6108MHz)

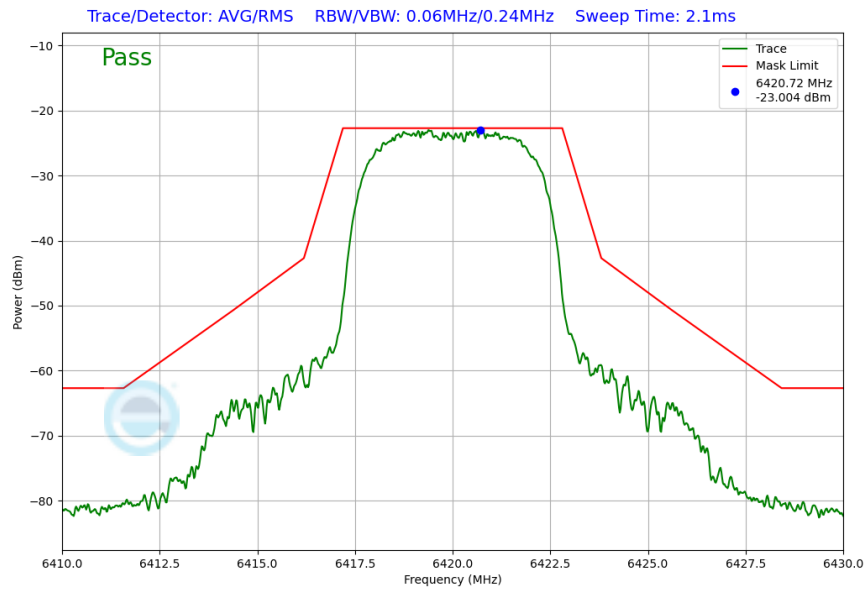


Plot 7-125. GEM (NB UNII_L HDRp8 – 6264MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 91 of 136

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Plot 7-126. GEM (NB UNII_L HDRp8 – 6420MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.6 Contention Based Protocol

§15.407(d.6); RSS-248 [4.7]

Test Overview and Limit

Indoor access points, subordinate devices and client devices operating in the 5.925 – 7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel.

Test Procedure Used

KDB 987594 D02 v03 – Section I

Test Settings

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
9. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
10. Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

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Test Setup

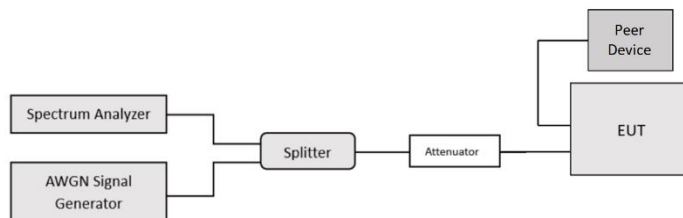


Figure 7-5. Contention-based protocol test setup, conducted method

Test Notes

1. Peer devices used were models: A3063 and A3064 (refer to Table 2.4)
2. Per guidance from KDB 987594 D02 v03, contention-based protocol was tested using an AWGN signal with a bandwidth of 10MHz. The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission, marker indicates the point at which the AWGN signal is introduced.
3. Per KDB 987594 D04 v03, contention-based protocol was tested with receiver with the lowest antenna gain.
4. 15 trials were ran in order to assure that at least 90% of certainty was met.
5. Per manufacturer's declaration, after establishing communication between the EUT and the peer device, NB UNII HDR is used to maintain communication and traffic. NB UNII BDR and NB UNII LE are used for establishing the initial connection with the peer device.
6. EUT does not support channel puncturing

$$\text{Detection Level} = \text{Injected AWGN Power (dBm)} - \text{Antenna Gain (dBi)} + \text{Path Loss (dB)}$$

Equation 7-1. Incumbent Detection Level Calculation

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Band	Incumbent Frequency [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]	Antenna tested
UNII Band 5	6350	-82.73	0.10	-82.83	-62.0	-20.83	NB UNII L

Table 7-10. Contention Based Protocol – Incumbent Detection Results

Band	EUT Transmission Status		
	Adjusted AWGN Power (dBm)		
	Normal	Minimal	Ceased
UNII Band 5	-89.83	-84.83	-82.83

Table 7-11. Contention Based Protocol – Detection Results

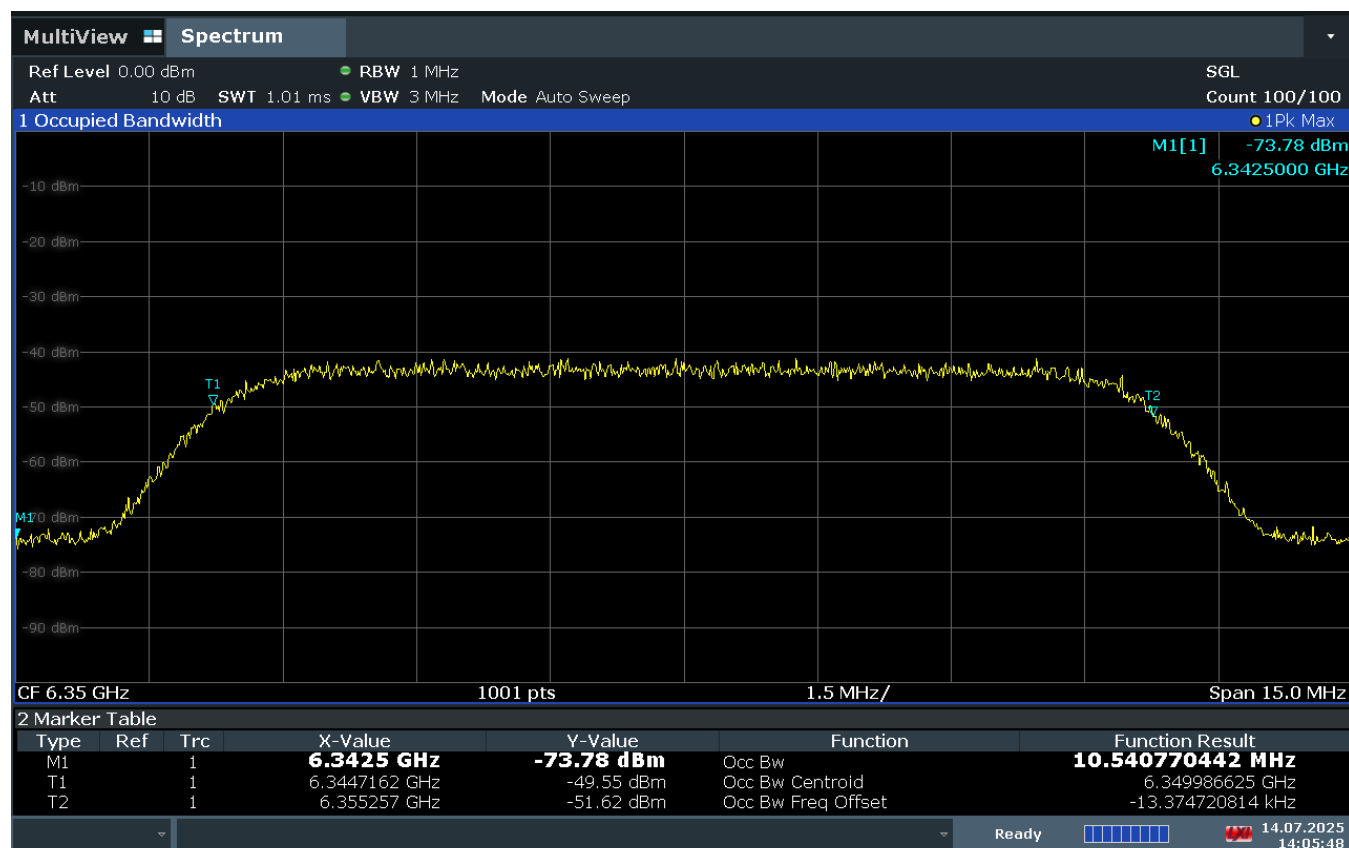
CBP Detection (1 = Detection, Blank = No detection)																		
Band	Trials															Detection Rate [%]	Limit %	Pass / Fail
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
UNII Band 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100	90	Pass

Table 7-12. Contention Based Protocol – Incumbent Detection Trials

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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AWGN Plots



14:05:49 14.07.2025

Plot 7-127. AWGN Signal

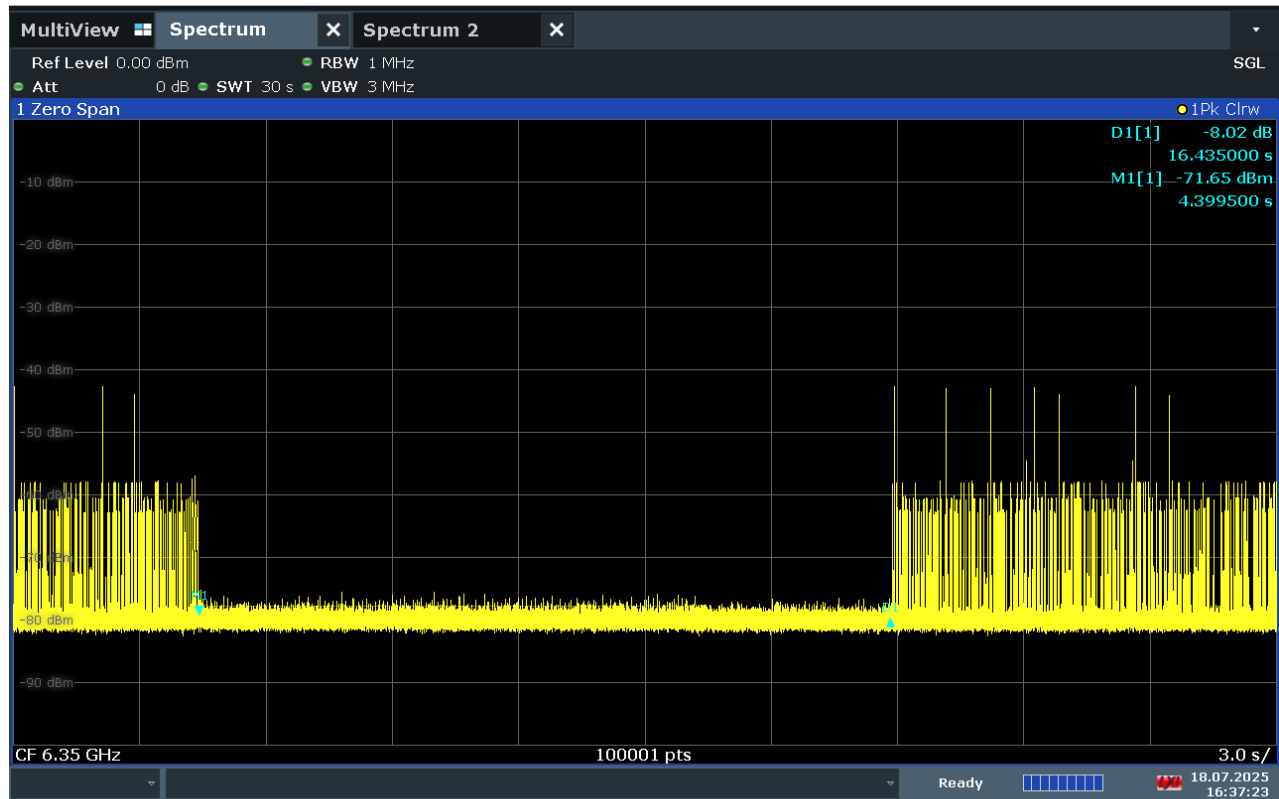
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 96 of 136

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Contention-Based Protocol Timing Plots

Peak



16:37:23 18.07.2025

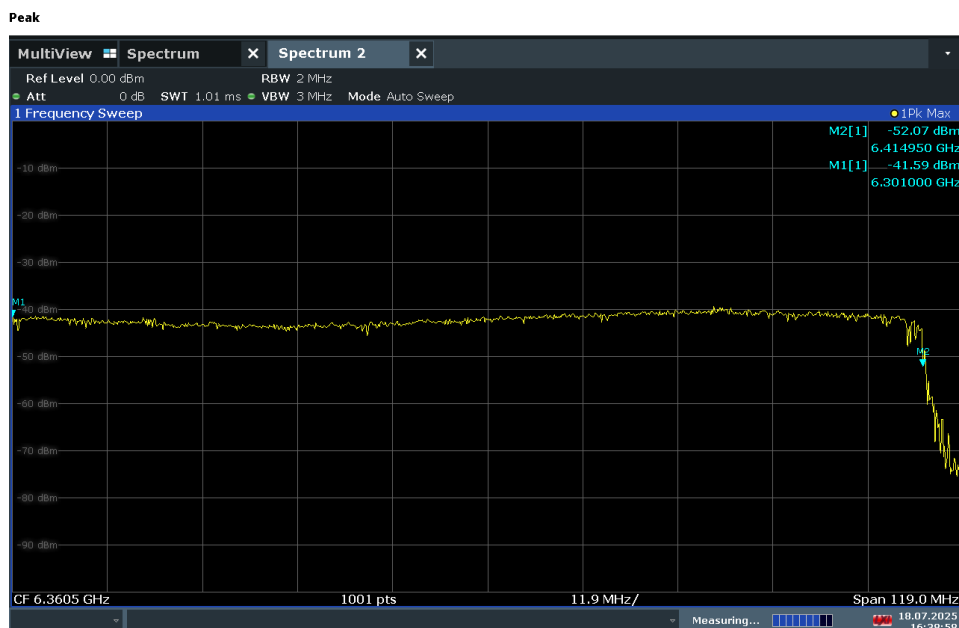
Plot 7-128. CBP Timing Plot

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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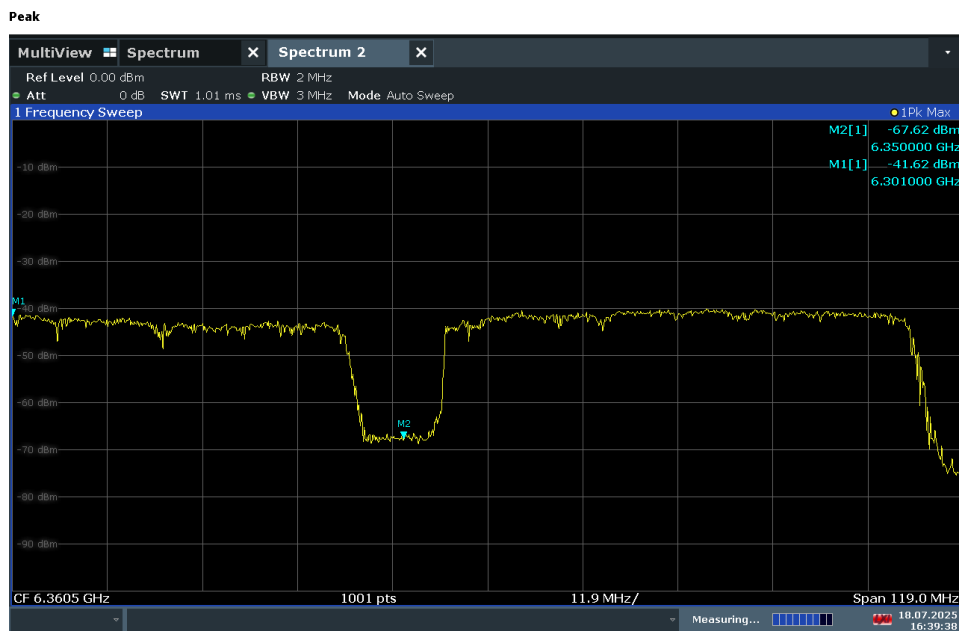
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Bandwidth Reduction Plots



16:38:59 18.07.2025

Plot 7-129. Before AWGN Signal Injected



16:39:38 18.07.2025

Plot 7-130. After AWGN Signal Injected at 6350MHz

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.7 Transmit Power Control (TPC)

§15.407(d.10); RSS-248 [4.6]

Test Overview and Limit

Very low power devices operating in the 5.925-7.125 GHz bands shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz.

Test Procedure Used

ANSI C63.10-2020 – Section 12.4.2.7

KDB 789033 D02 v02r01 – Section F

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 99% OBW of the signal
3. RBW = 1MHz
4. $VBW \geq 1 / T$, (T refers to the minimum transmissions duration over which the transmitter is on)
5. Number of sweep points $> 2 \times (\text{span}/\text{RBW})$
6. Sweep time = No faster than couples (auto) time
7. Detector = peak
8. Trace mode = max hold
9. Trigger was set to free run for all modes
10. Compute power by integrating the spectrum across the 99 %OBW of the signal using the instrument's band-power measurement function with band limits set equal to the OBW band-edges.

Test Setup

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

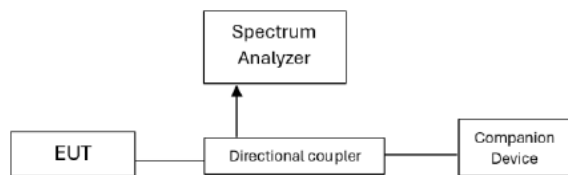


Figure 7-6. Test Instrument & Measurement Setup

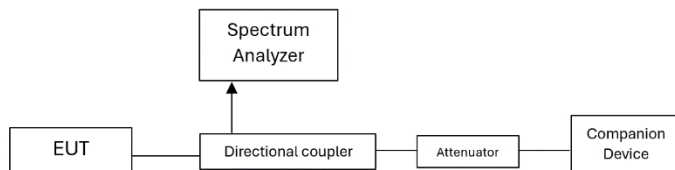


Figure 7-7. Test Instrument & Measurement Setup (With Attenuation)

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This test demonstrates the ability of the device to increase and decrease power by the required 6dB as the RSSI is decreased and increased.

1. Configure EUT and companion device for peer-to-peer communication as shown in Figure 7-6. (no attenuation for noise free spectral environment, high RSSI simulation)
2. Establish a link and start communication between EUT and companion device
3. Capture PSD spectrum analyzer
4. Add a 20dB attenuator to the setup as shown in Figure 7-7 (noisy spectral environment, low RSSI simulation)
5. Capture PSD spectrum analyzer
6. Compare the highest PSD captured in step 3 to the highest PSD on step 5 and determine the delta.

Test Notes

1. Companion device used was model: A3063 & A3064 (refer to Table 2-6)
2. Per manufacturer's declaration, after establishing communication between the EUT and the companion device, NB UNII HDR is used to maintain communication and traffic. NB UNII BDR and NB UNII LE are used for establishing the initial connection with the companion device.
3. TPC is triggered when a high RSSI is detected. As RSSI detected signal decreases, the transmitters output power will increase back to maximum allowed power.

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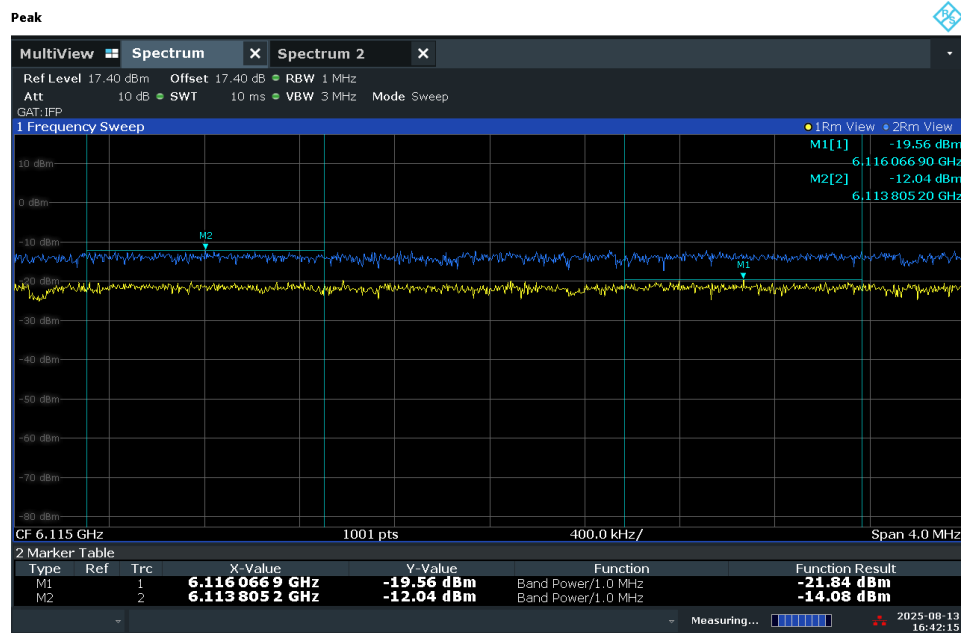
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Frequency [MHz]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	e.i.r.p. Power Density Limit [dBm/MHz]	Pass/Fail
6115	-14.08	1.90	-12.18	-5.00	Pass
6236	-12.08	2.20	-9.88	-5.00	Pass
6350	-10.71	2.40	-8.31	-5.00	Pass

Table 7-13. PSD Measurements (no TPC)

Frequency [MHz]	Summed Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	e.i.r.p. Power Density Limit [dBm/MHz]	Pass/Fail
6115	-21.84	1.90	-19.94	-11.00	Pass
6236	-23.81	2.20	-21.61	-11.00	Pass
6350	-22.43	2.40	-20.03	-11.00	Pass

Table 7-14. PSD Measurements (with TPC)



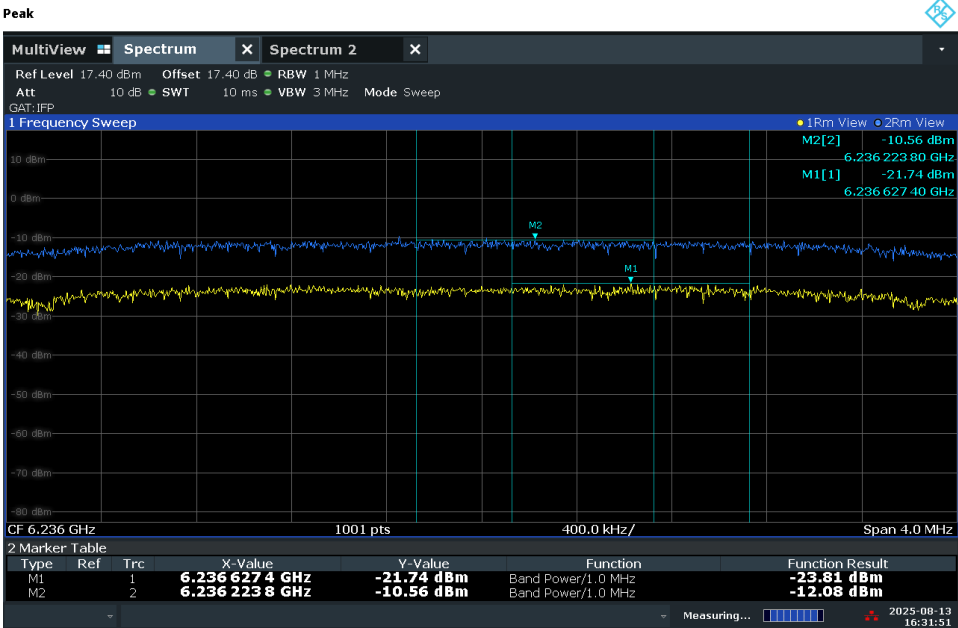
04:42:15 PM 08/13/2025

Plot 7-131. Power Spectral Density Plot (NB UNII BDR, 6115MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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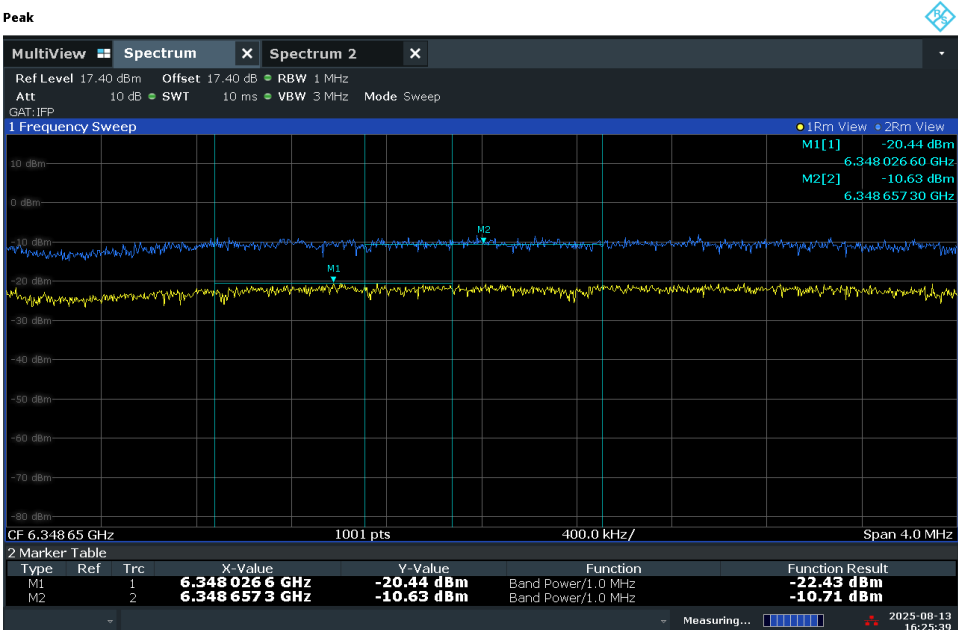
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04:31:52 PM 08/13/2025

Plot 7-132. Power Spectral Density Plot (NB UNII BDR, 6236MHz)



04:25:40 PM 08/13/2025

Plot 7-133. Power Spectral Density Plot (NB UNII BDR, 6350MHz)

FCC ID: BCGA3416 IC: 579C-A3416	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.8 Radiated Spurious Emission – Above 1GHz

§15.407(b) §15.205 §15.209; RS-Gen [8.9], RSS-248 [4.6.2]

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 its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.925-7.125 GHz band: All emissions outside of the 5.925-7.125 GHz band shall not exceed an EIRP of -27 dBm/MHz. Emissions found in a restricted band are subject to the limits of 15.209 and RSS-Gen (8.9) as shown in the table below.

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 – Sections 12.7.7, 12.7.6
KDB 789033 D02 v02r01 – Section G

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. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

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

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Test Setup

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

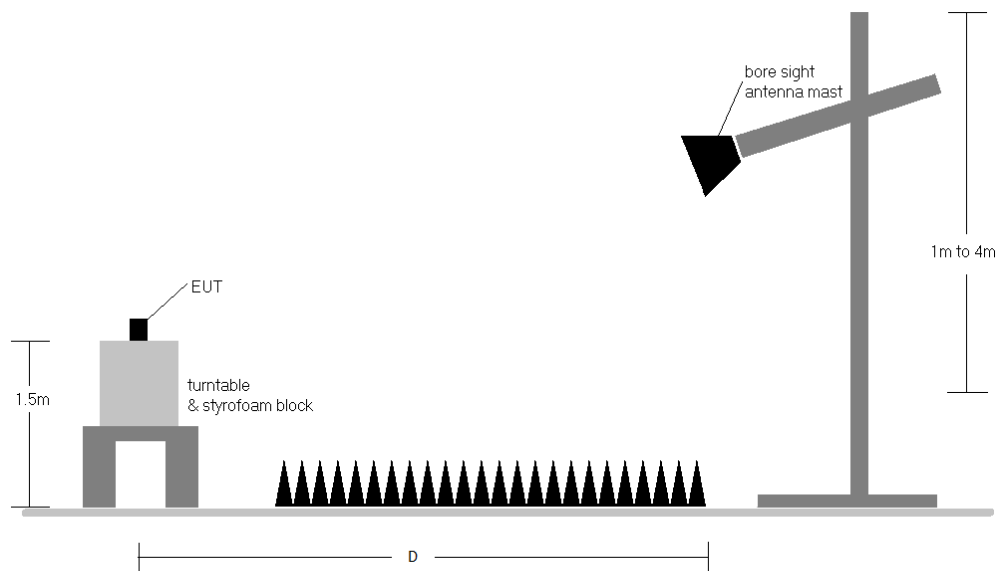


Figure 7-8. Test Instrument & Measurement Setup

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Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 104 of 136

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Test Notes

1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and section 8.10 of RSS-Gen are below the limit shown in Table 7-15.
2. All spurious emissions lying in restricted bands specified in §15.205 and section 8.10 of RSS-Gen are below the limit shown in Table 7-15. All spurious emissions that do not lie in a restricted band are subject to a limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.
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 “-” shown in the following RSE tables are used to denote a noise floor measurement.
8. All supported modulation have been tested on the unit and only worst case configuration is reported.

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]

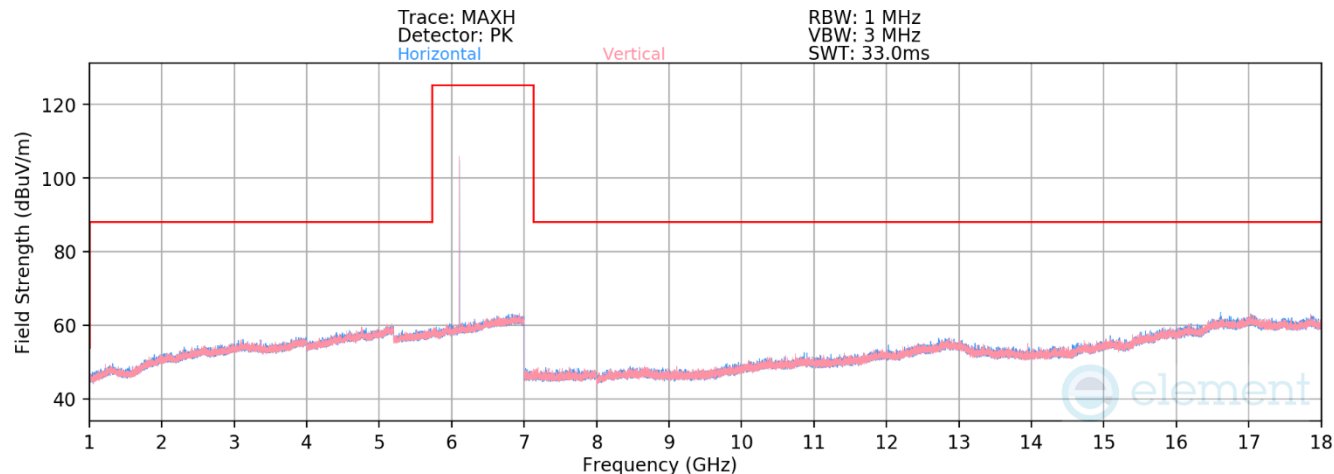
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.8.2 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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7.8.1 Radiated Spurious Emission (Above 1GHz)



Plot 7-134. Radiated Spurious Emissions 1-18GHz (NB UNII BDR – 6108MHz)

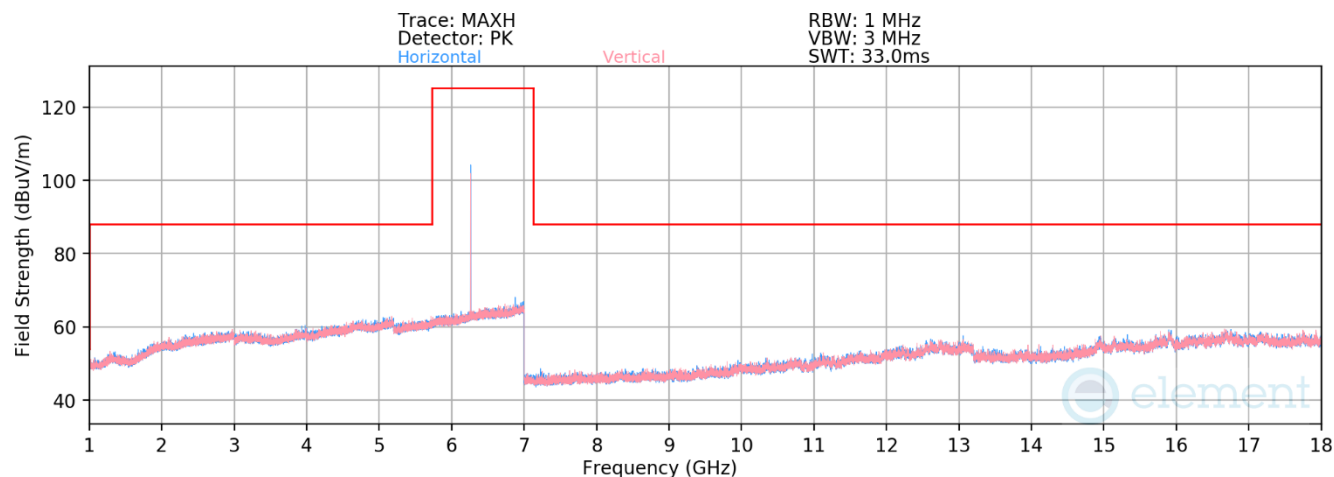
Mode: NB UNII BDR
Data Rate: 1Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 6108MHz

	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]
*	12216.00	Average	H	-	-	-85.52	20.74	42.22	53.98	-11.76
*	12216.00	Peak	H	-	-	-74.71	20.86	53.15	73.98	-20.83

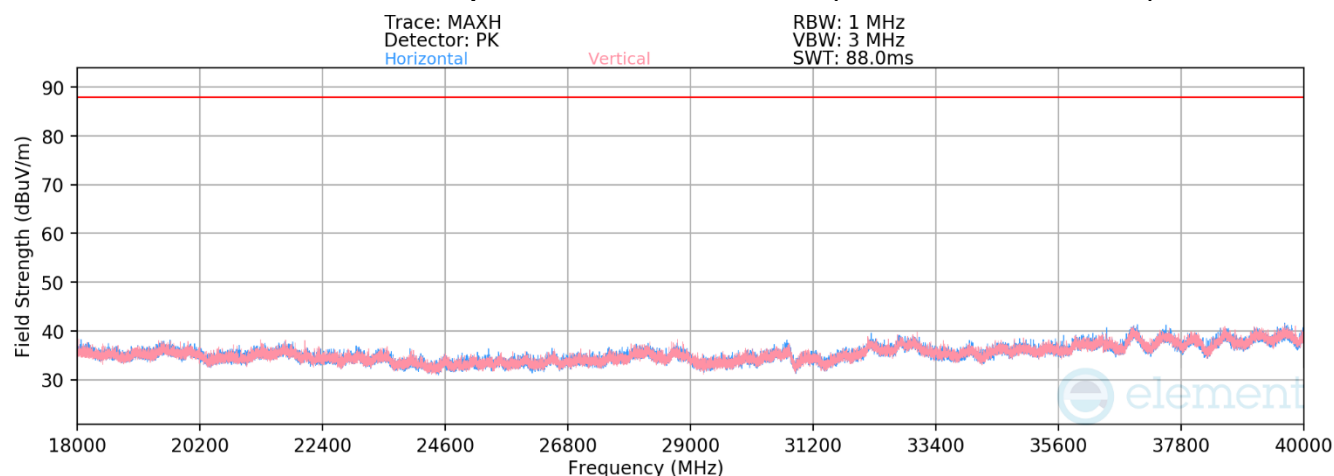
Table 7-16. Radiated Spurious Emissions Measurements

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 106 of 136

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Plot 7-135. Radiated Spurious Emissions 1-18GHz (NB UNII BDR – 6264MHz)



Plot 7-136. Radiated Spurious Emissions 18-40GHz (NB UNII BDR – 6264MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 107 of 136

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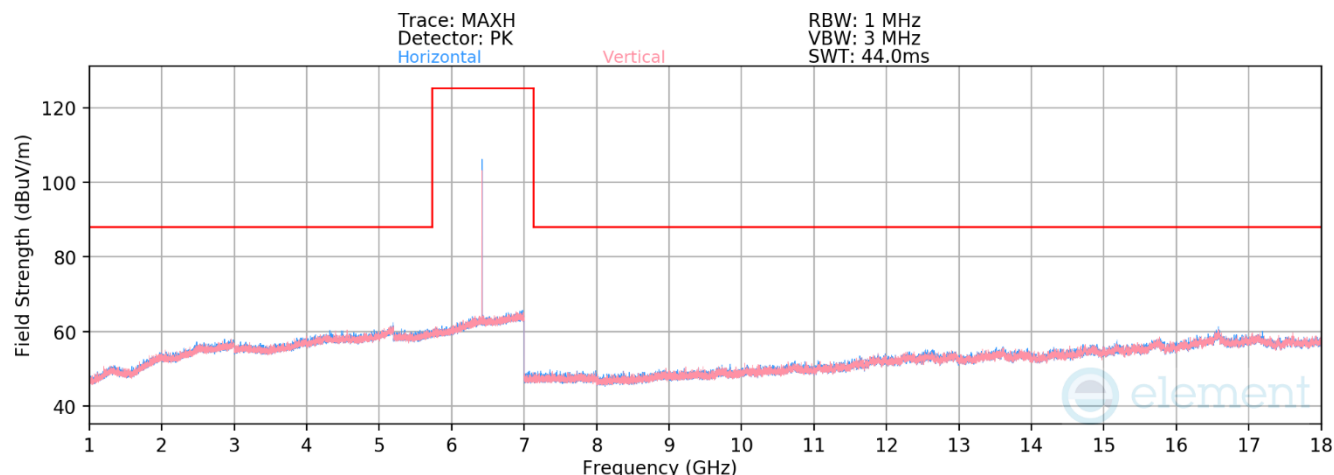
Mode: NB UNII BDR
 Data Rate: 1Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 6264MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 12528.00	Average	H	-	-	-82.46	18.56	0.00	43.10	53.98	-10.88
* 12528.00	Peak	H	-	-	-71.64	18.56	0.00	53.92	73.98	-20.06
* 18792.00	Average	H	-	-	-60.40	-5.24	-9.54	31.82	53.98	-22.16
* 18792.00	Peak	H	-	-	-49.04	-5.18	-9.54	43.24	73.98	-30.74
25056.00	Avg	H	-	-	-61.85	-6.01	-9.54	29.60	68.23	-38.63
25056.00	Peak	H	-	-	-50.46	-6.01	-9.54	40.99	88.23	-47.24
* 31320.00	Avg	H	-	-	-63.84	-4.67	-9.54	28.95	68.23	-39.28
* 31320.00	Peak	H	-	-	-51.97	-4.61	-9.54	40.88	88.23	-47.35
37584.00	Avg	H	-	-	-59.57	-4.58	-9.54	33.31	68.23	-34.92
37584.00	Peak	H	-	-	-48.23	-4.58	-9.54	44.65	88.23	-43.58

Table 7-17. Radiated Spurious Emissions Measurements

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 108 of 136

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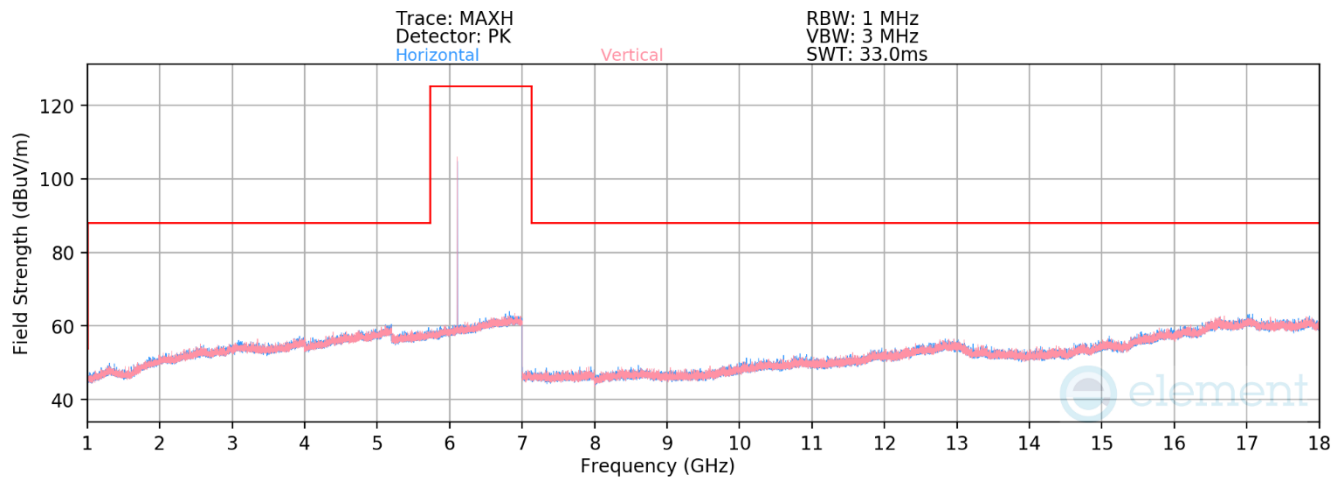
Plot 7-137. Radiated Spurious Emissions 1-18GHz (NB UNII BDR – 6420MHz)

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]
12840.00	Average	H	-	-	-83.20	19.05	42.85	68.23	-25.38
12840.00	Peak	H	-	-	-70.78	19.71	55.93	88.23	-32.30

Plot 7-138. Radiated Spurious Emissions 18-40GHz (NB UNII BDR– 6420MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 109 of 136

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Plot 7-139. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 6108MHz)

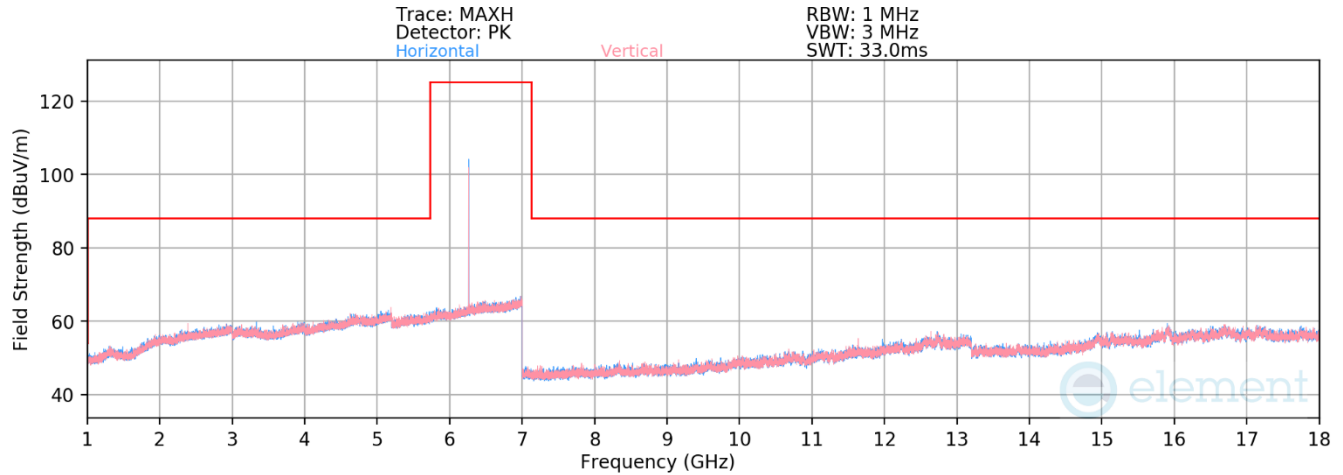
Mode: NB UNII LE
Data Rate: 1Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 6108MHz

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]
* 12216.00	Average	H	-	-	-85.67	20.82	42.15	53.98	-11.83
* 12216.00	Peak	H	-	-	-74.35	20.63	53.28	73.98	-20.70

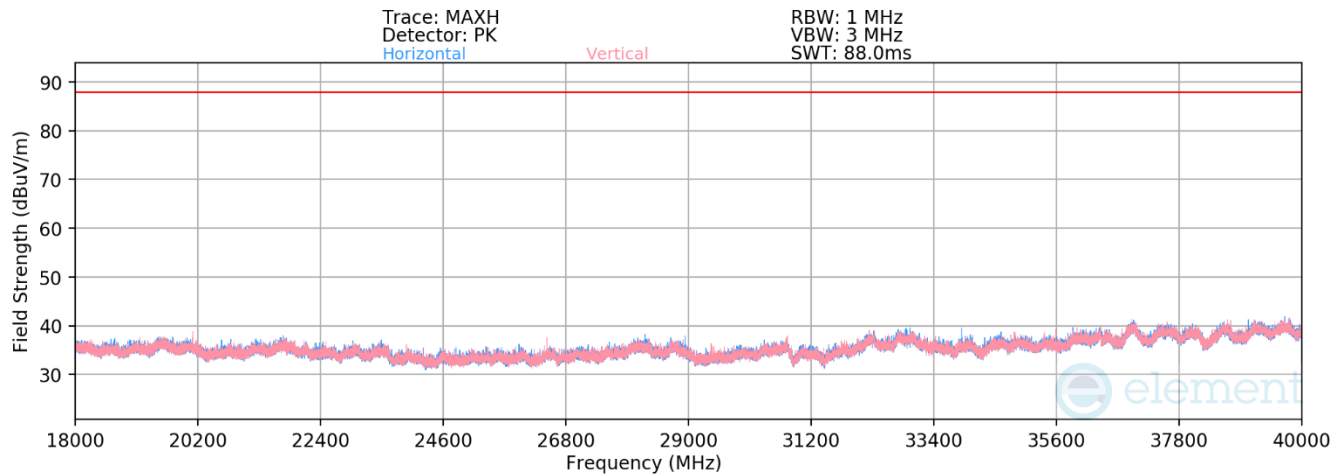
Table 7-18. Radiated Spurious Emissions Measurements

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 110 of 136

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Plot 7-140. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 6264MHz)



Plot 7-141. Radiated Spurious Emissions 18-40GHz (NB UNII LE1M – 6264MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 111 of 136

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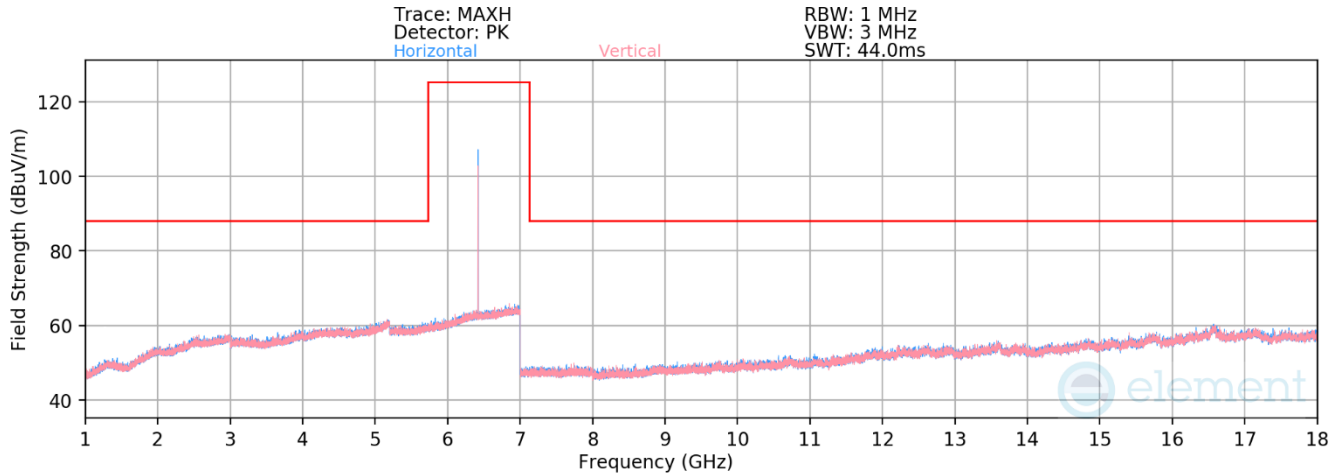
Mode: NB UNII LE
 Data Rate: 1Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 6264MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 12528.00	Average	H	-	-	-82.50	18.56	0.00	43.06	53.98	-10.92
* 12528.00	Peak	H	-	-	-71.68	18.56	0.00	53.88	73.98	-20.10
* 18792.00	Average	H	-	-	-60.42	-5.28	-9.54	31.76	53.98	-22.22
* 18792.00	Peak	H	-	-	-49.21	-5.18	-9.54	43.07	73.98	-30.91
25056.00	Avg	H	-	-	-61.75	-5.85	-9.54	29.86	68.23	-38.37
25056.00	Peak	H	-	-	-49.89	-5.97	-9.54	41.60	88.23	-46.63
* 31320.00	Avg	H	-	-	-63.65	-4.83	-9.54	28.98	53.98	-25.00
* 31320.00	Peak	H	-	-	-52.46	-4.83	-9.54	40.17	73.98	-33.81
37584.00	Avg	H	-	-	-59.67	-4.62	-9.54	33.17	68.23	-35.06
37584.00	Peak	H	-	-	-48.26	-4.58	-9.54	44.62	88.23	-43.61

Table 7-19. Radiated Spurious Emissions Measurements

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 112 of 136

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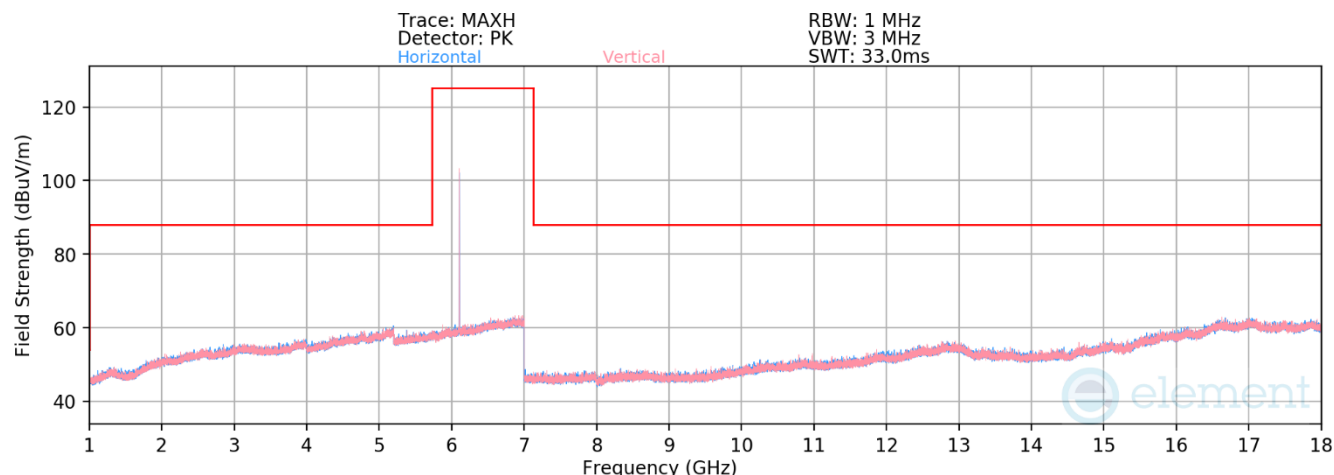
Plot 7-142. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 6420MHz)

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]
12840.00	Average	H	-	-	-82.73	18.68	42.95	68.23	-25.28
12840.00	Peak	H	-	-	-69.11	18.68	56.57	88.23	-31.66

Plot 7-143. Radiated Spurious Emissions 18-40GHz (NB UNII LE1M– 6420MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 113 of 136

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Plot 7-144. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 6108MHz)

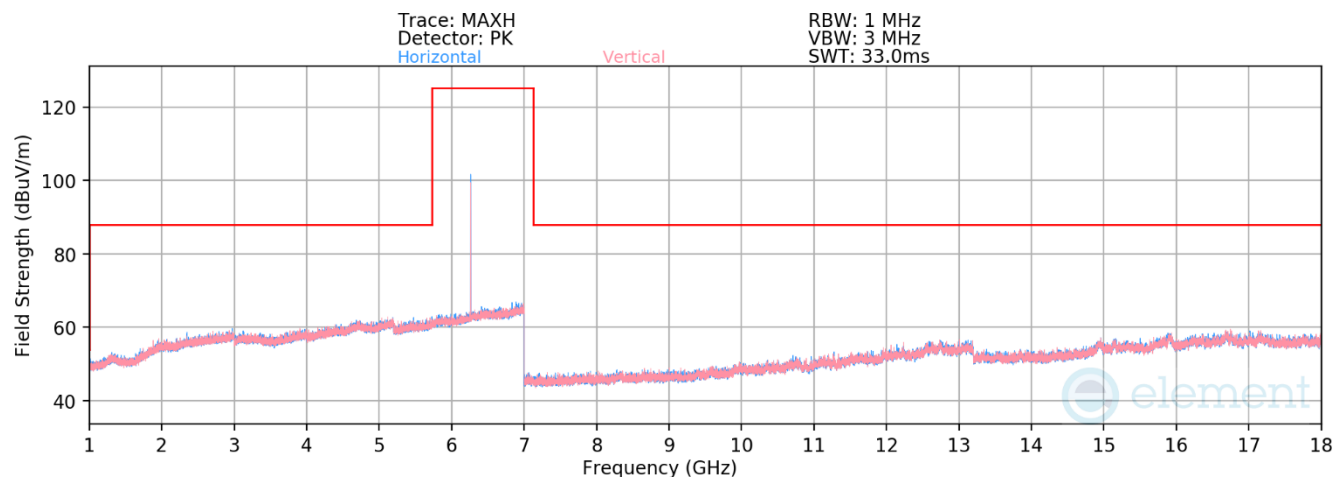
Mode: NB UNII HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 6108MHz

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]
* 12216.00	Average	H	-	-	-85.60	20.63	42.03	53.98	-11.95
* 12216.00	Peak	H	-	-	-74.45	20.74	53.29	73.98	-20.69

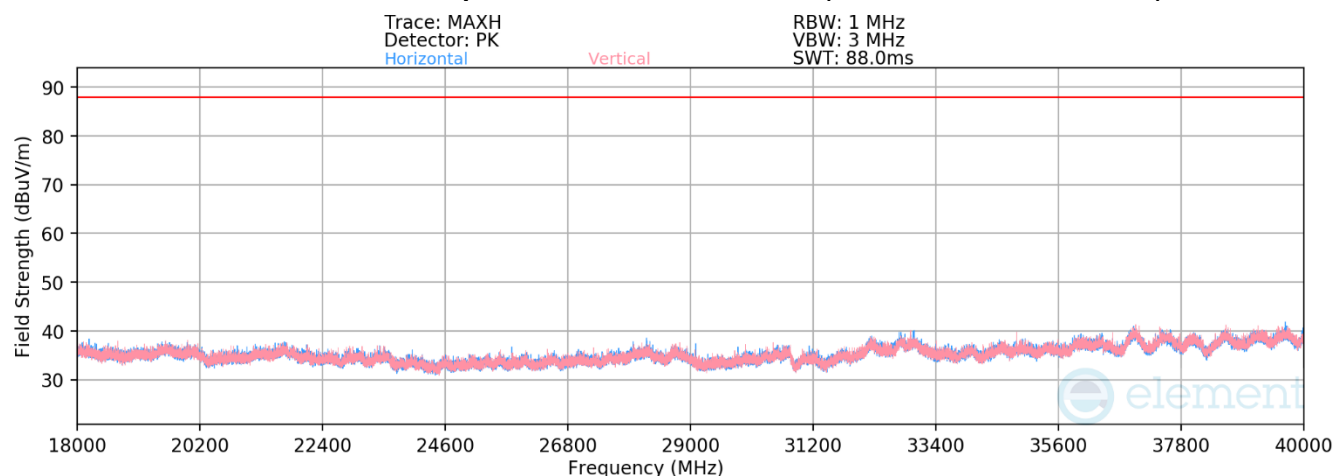
Table 7-20. Radiated Spurious Emissions Measurements

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 114 of 136

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Plot 7-145. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 6264MHz)



Plot 7-146. Radiated Spurious Emissions 18-40GHz (NB UNII HDR4 – 6264MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 115 of 136

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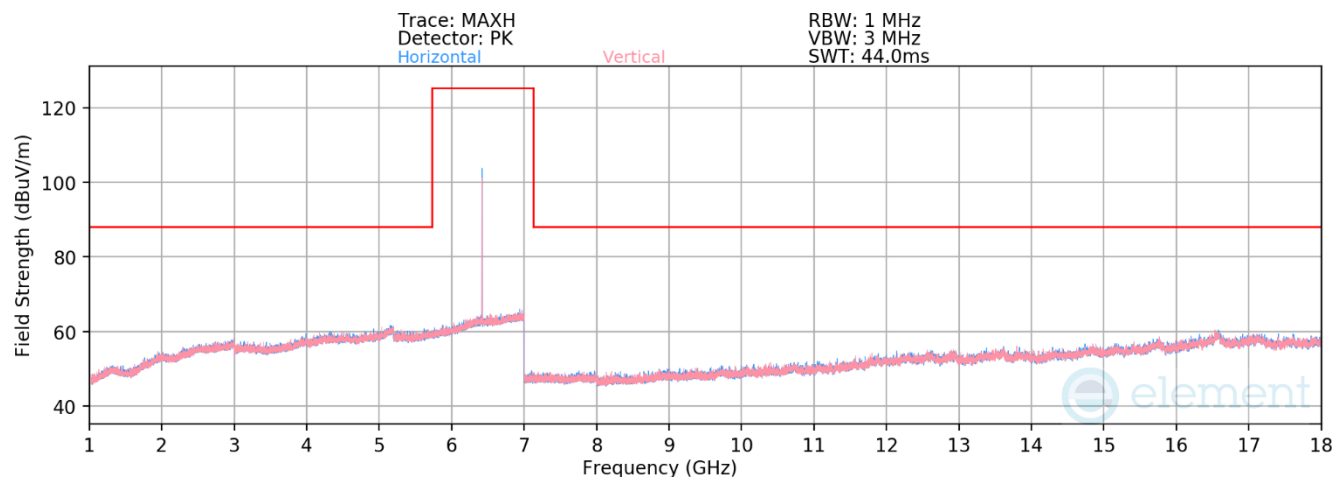
Mode: NB UNII HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 6264MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 12528.00	Average	H	-	-	-82.08	18.17	0.00	43.09	53.98	-10.89
* 12528.00	Peak	H	-	-	-71.64	18.56	0.00	53.92	73.98	-20.06
* 18792.00	Average	H	-	-	-60.55	-5.28	-9.54	31.63	53.98	-22.35
* 18792.00	Peak	H	-	-	-48.54	-5.28	-9.54	43.64	73.98	-30.34
25056.00	Avg	H	-	-	-61.76	-5.97	-9.54	29.73	68.23	-38.50
25056.00	Peak	H	-	-	-49.90	-6.01	-9.54	41.55	88.23	-46.68
* 31320.00	Avg	H	-	-	-63.87	-4.61	-9.54	28.98	53.98	-25.00
* 31320.00	Peak	H	-	-	-51.80	-4.83	-9.54	40.83	73.98	-33.15
37584.00	Avg	H	-	-	-59.26	-4.72	-9.54	33.48	68.23	-34.75
37584.00	Peak	H	-	-	-48.15	-4.78	-9.54	44.53	88.23	-43.70

Table 7-21. Radiated Spurious Emissions Measurements

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 116 of 136

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Plot 7-147. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 6420MHz)

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]
12840.00	Average	H	102	235	-83.63	19.71	43.08	68.23	-25.15
12840.00	Peak	H	102	235	-72.76	19.71	53.95	88.23	-34.28

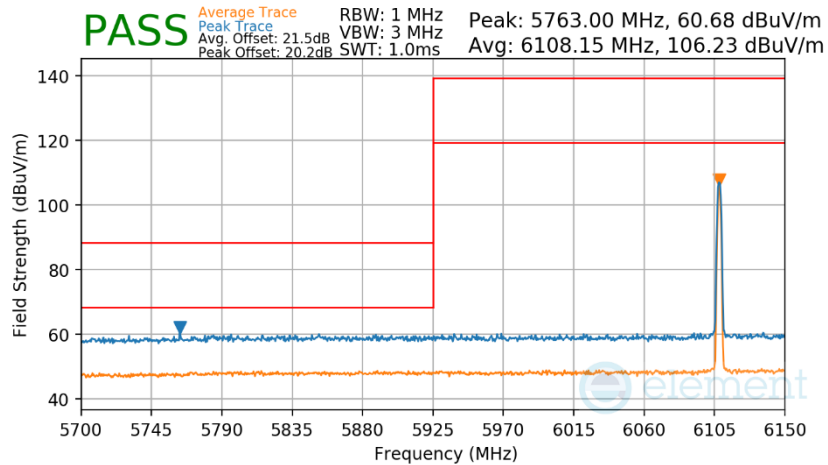
Plot 7-148. Radiated Spurious Emissions Above 18GHz (NB UNII HDR4 – 6420MHz)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 117 of 136

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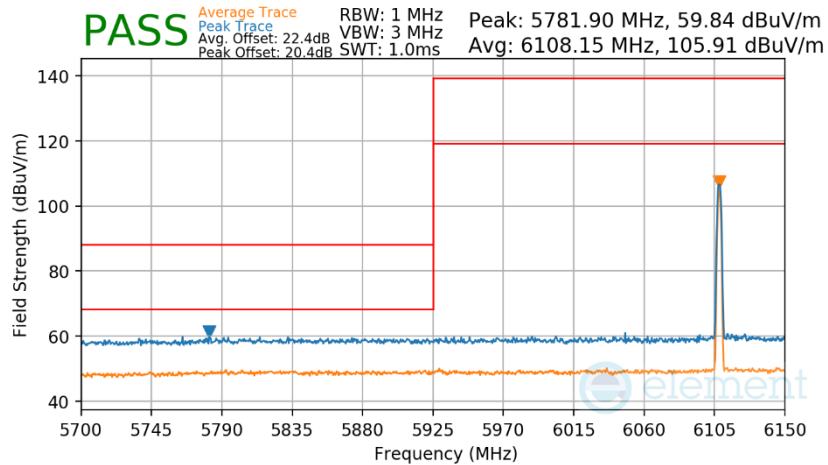
7.8.2 Radiated Band Edge Measurements

Mode: NB UNII BDR
 Measurement Distance: 3 Meters
 Operating Frequency: 6108MHz



Plot 7-149. Radiated Lower Band Edge Measurement

Mode: NB UNII LE
 Data Rate: 1Mbps
 Measurement Distance: 3 Meters
 Operating Frequency: 6108MHz

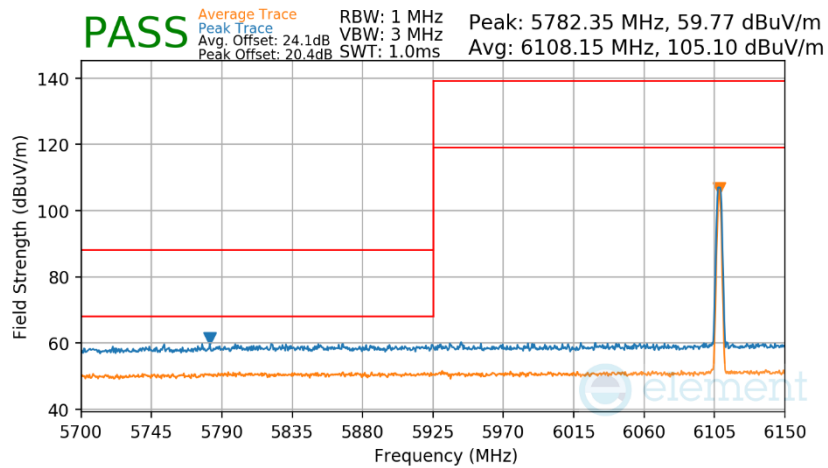


Plot 7-150. Radiated Lower Band Edge Measurement

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 118 of 136

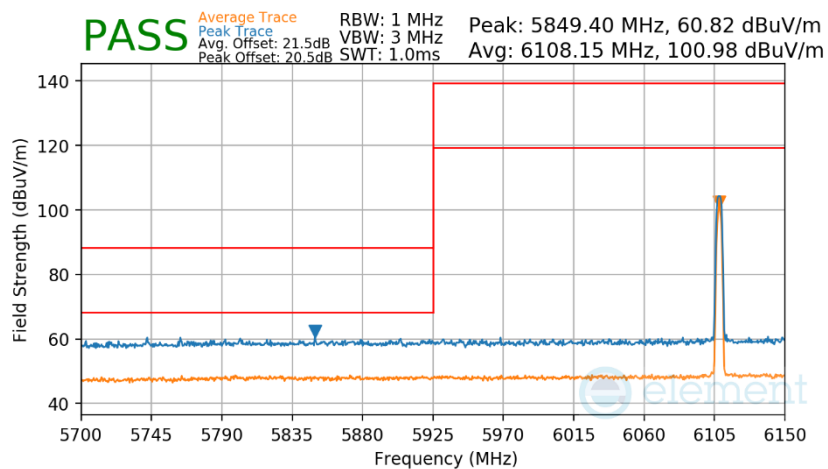
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Mode: NB UNII LE
 Data Rate: 2Mbps
 Measurement Distance: 3 Meters
 Operating Frequency: 6108MHz



Plot 7-151. Radiated Lower Band Edge Measurement

Mode: NB UNII HDR4
 Measurement Distance: 3 Meters
 Operating Frequency: 6108MHz

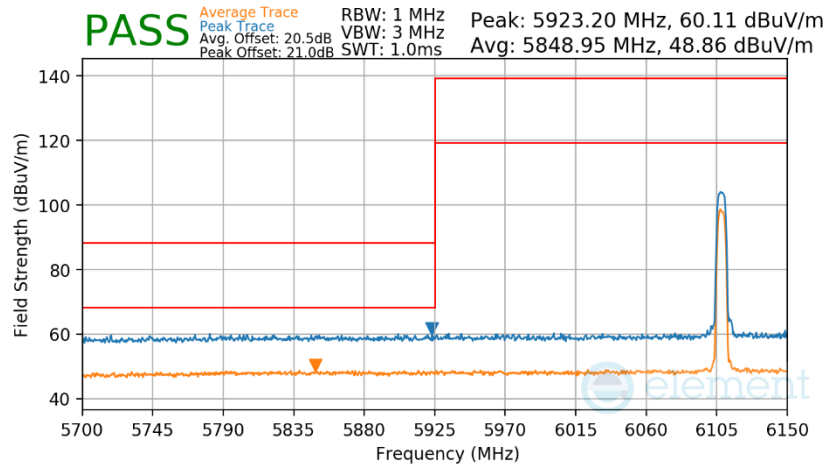


Plot 7-152. Radiated Lower Band Edge Measurement

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 119 of 136

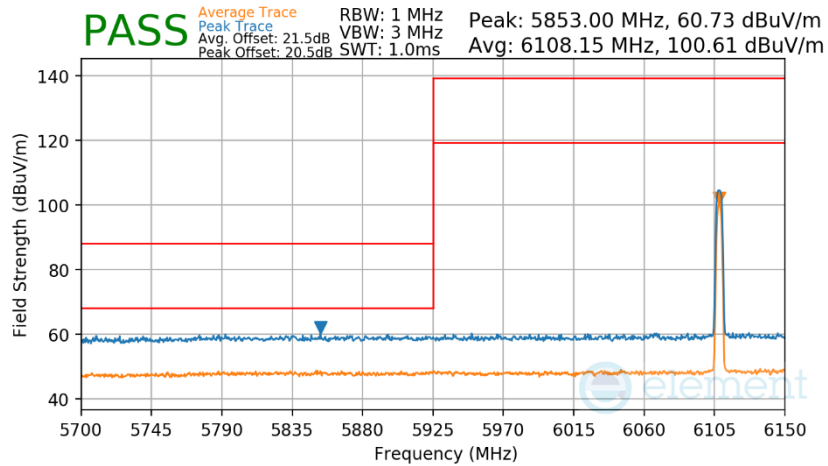
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Mode: NB UNII HDR8
 Measurement Distance: 3 Meters
 Operating Frequency: 6108MHz



Plot 7-153. Radiated Lower Band Edge Measurement

Mode: NB UNII HDRp4
 Measurement Distance: 3 Meters
 Operating Frequency: 6108MHz

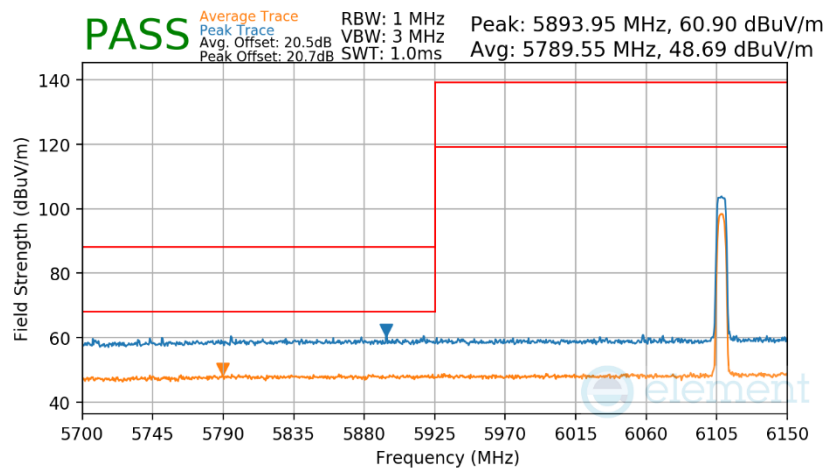


Plot 7-154. Radiated Lower Band Edge Measurement

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 120 of 136

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Mode: NB UNII HDRp8
 Measurement Distance: 3 Meters
 Operating Frequency: 6108MHz



Plot 7-155. Radiated Lower Band Edge Measurement

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 121 of 136

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7.9 Radiated Spurious Emissions – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table 7-22 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-22. Radiated Limits

Test Procedures Used

ANSI C63.10-2020

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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Test Setup

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

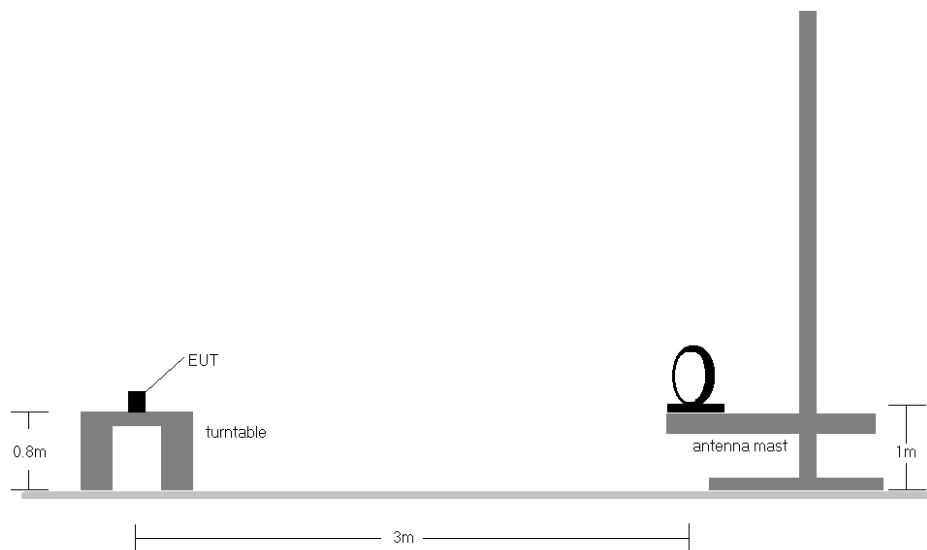


Figure 7-9. Radiated Test Setup < 30MHz

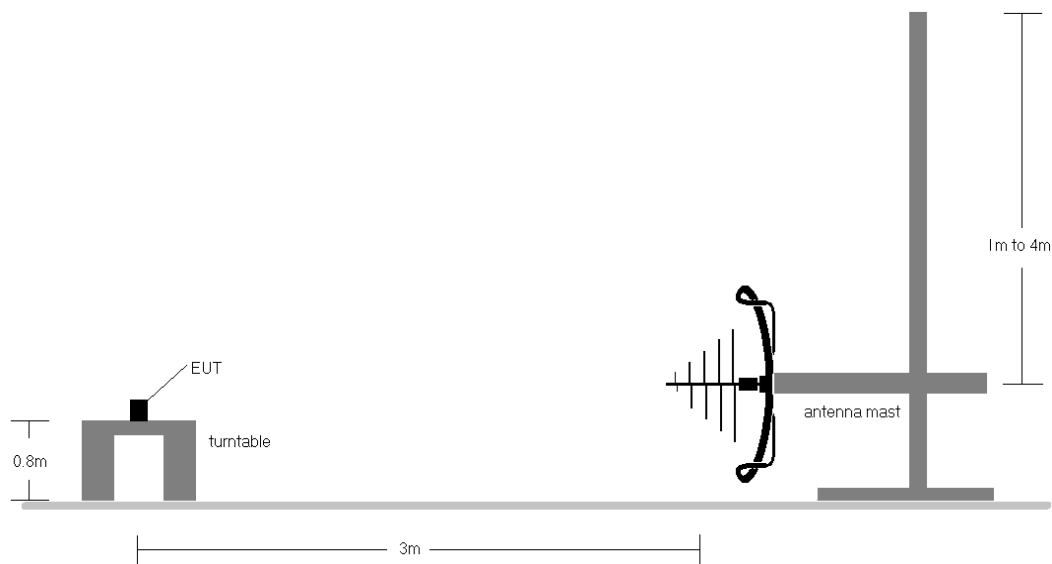


Figure 7-10. Radiated Test Setup < 1GHz

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Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-22.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector for emissions within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor to USB-C Power Pack to Magnetic Charging Cable.
 - b. EUT powered by host PC via USB-C Power Pack to Magnetic Charging Cable.

Sample Calculations

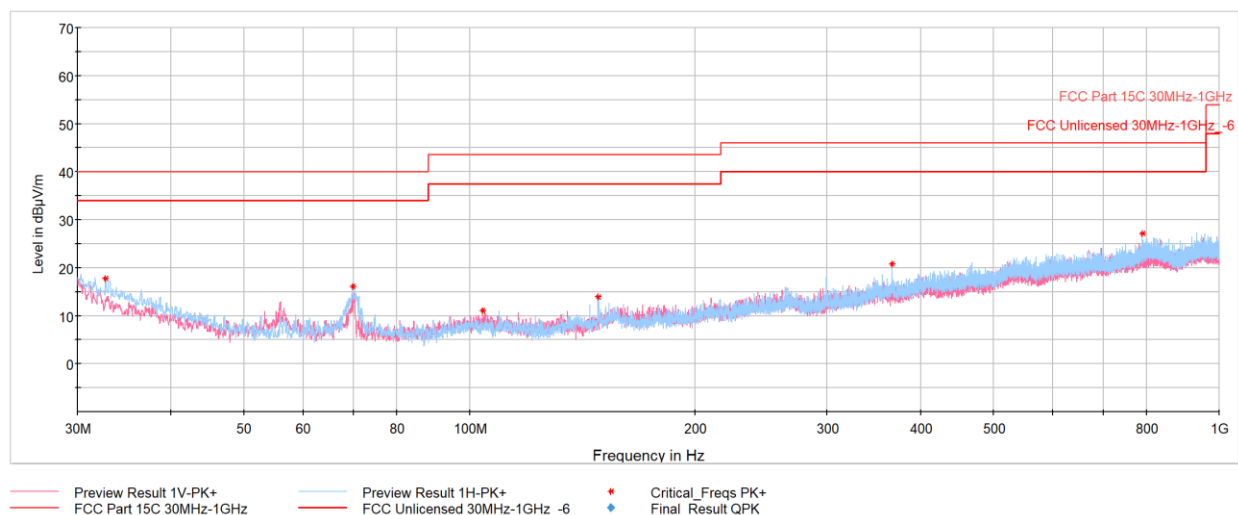
Determining Spurious Emissions Levels

- 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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Radiated Spurious Emissions (Below 1GHz)



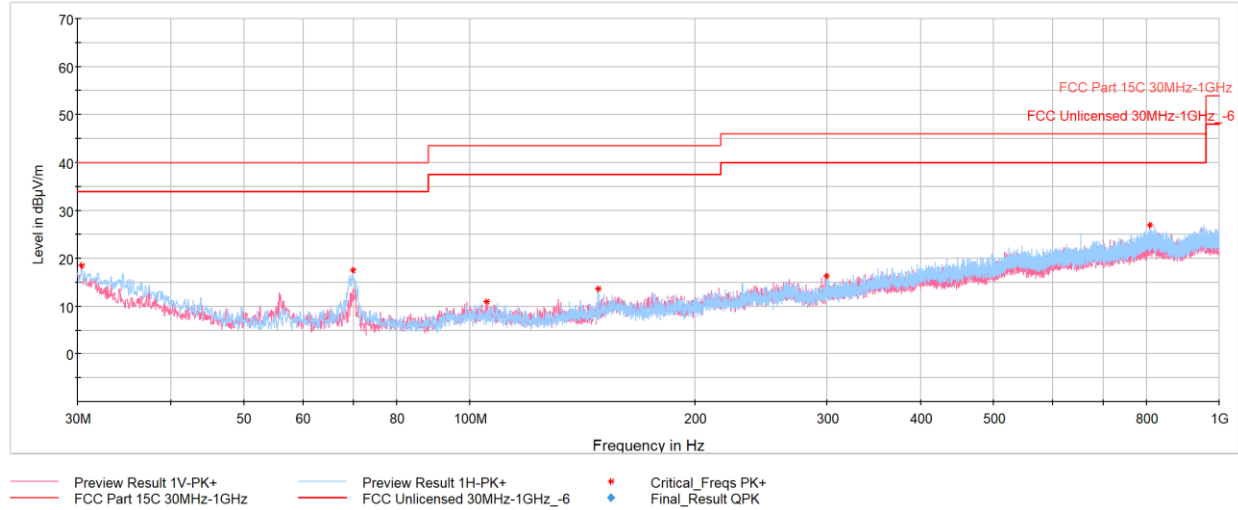
Plot 7-156. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 6264MHz), with AC/DC Adaptor

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]
32.72	Max Peak	H	300	306	-74.28	-14.91	17.81	40.00	-22.19
69.92	Max Peak	H	300	152	-68.62	-22.25	16.13	40.00	-23.87
104.11	Max Peak	V	100	92	-75.43	-20.48	11.09	43.52	-32.43
148.49	Max Peak	H	100	166	-73.23	-19.91	13.86	43.52	-29.66
365.47	Max Peak	H	100	315	-73.54	-12.60	20.86	46.02	-25.16
789.27	Max Peak	H	100	273	-75.61	-4.21	27.18	46.02	-18.84

Table 7-23. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 6264MHz), with AC/DC Adaptor

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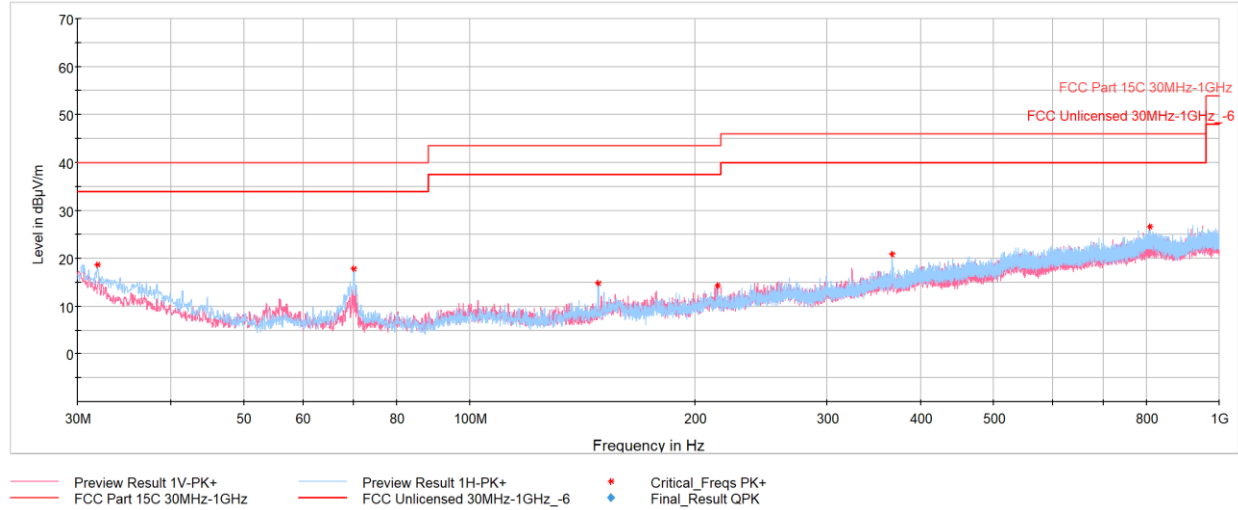
Plot 7-157. Radiated Spurious Emissions Below 1GHz (NB UNII LE1M – 6264MHz), with AC/DC Adaptor

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]
30.39	Max Peak	V	100	229	-73.46	-15.09	18.45	40.00	-21.55
69.96	Max Peak	H	200	284	-67.23	-22.25	17.52	40.00	-22.48
105.47	Max Peak	V	300	289	-75.64	-20.33	11.03	43.52	-32.49
148.49	Max Peak	H	100	81	-73.51	-19.91	13.58	43.52	-29.94
299.27	Max Peak	H	100	95	-75.63	-14.96	16.41	46.02	-29.61
807.55	Max Peak	H	100	317	-76.54	-3.49	26.97	46.02	-19.05

Table 7-24. Radiated Spurious Emissions Below 1GHz (NB UNII LE1M – 6264MHz), with AC/DC Adaptor

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Plot 7-158. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 6264MHz), with AC/DC Adaptor

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]
31.89	Max Peak	H	200	127	-73.98	-14.36	18.66	40.00	-21.34
70.16	Max Peak	H	200	309	-66.92	-22.23	17.85	40.00	-22.15
148.49	Max Peak	H	100	21	-72.34	-19.91	14.75	43.52	-28.77
214.25	Max Peak	V	300	0	-75.79	-16.91	14.30	43.52	-29.22
365.86	Max Peak	H	100	239	-73.54	-12.58	20.88	46.02	-25.14
807.16	Max Peak	H	100	271	-76.86	-3.52	26.62	46.02	-19.40

Table 7-25. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 6264MHz), with AC/DC Adaptor

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.10 AC Line Conducted Emissions Measurement

§15.207; RSS-Gen [8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. All data rates and modes were investigated for AC Line conducted spurious emissions.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).

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

Table 7-26. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020, Section 6.2

Test Settings

Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

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Test Setup

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

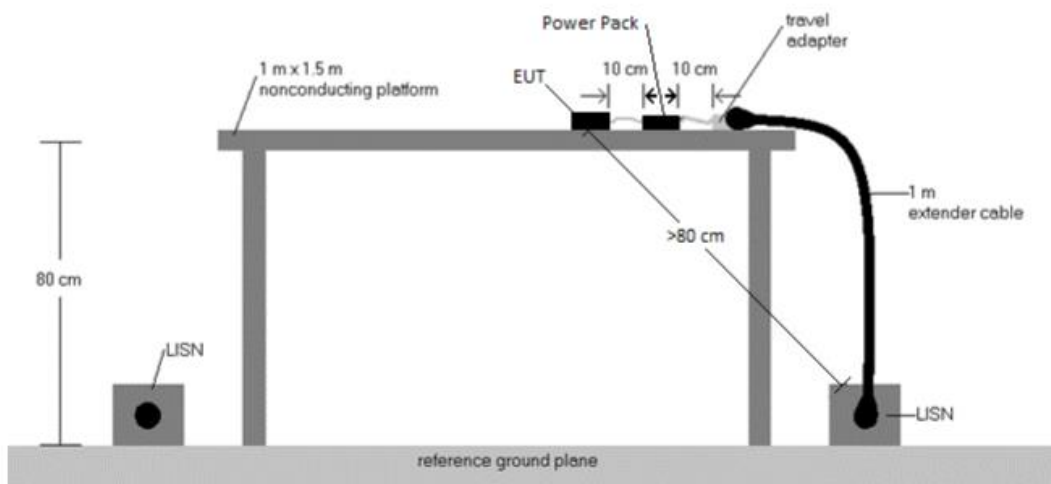


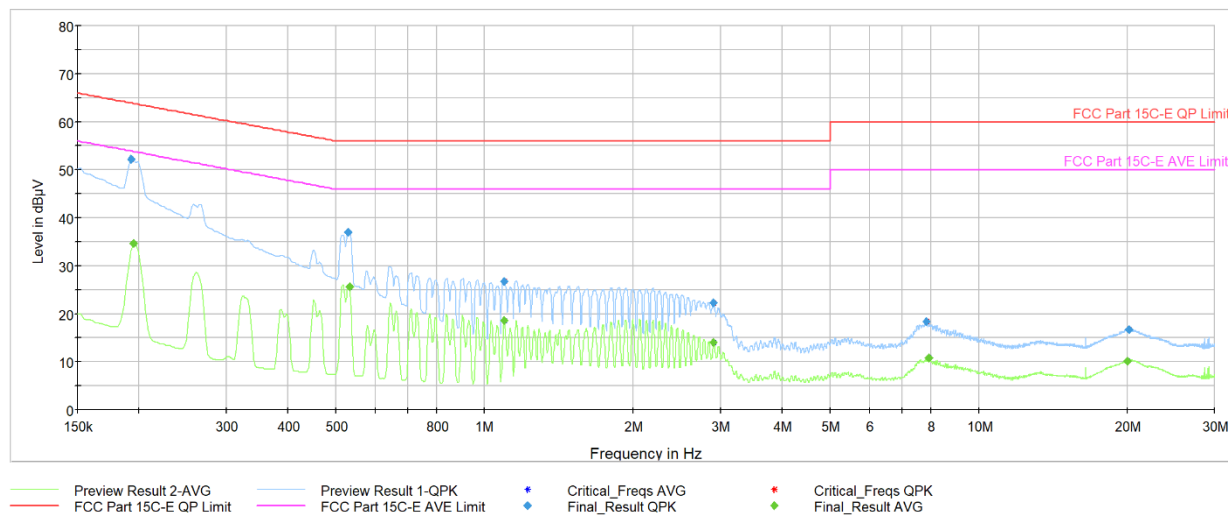
Figure 7-11. Test Instrument & Measurement Setup

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 to USB-C Power Pack to Magnetic Charging Cable.
 - b. EUT powered by host PC via USB-C Power Pack to Magnetic Charging Cable.
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
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 plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.

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Plot 7-159. AC Line Conducted Plot (NB UNII BDR – 6264MHz) (L1) with AC/DC Adaptor

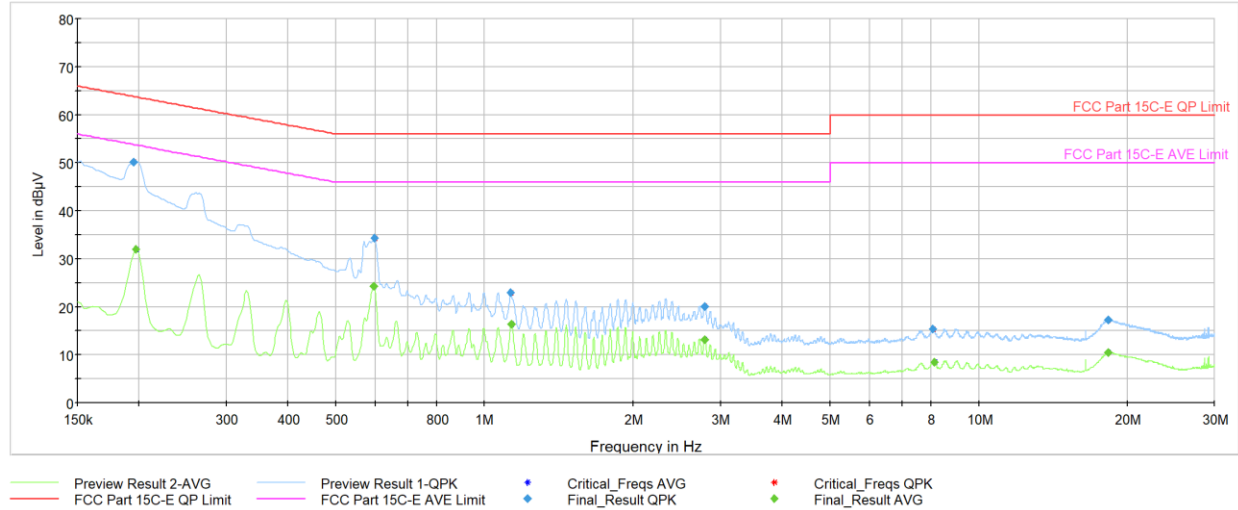
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.193	FINAL	52.3	—	63.92	-11.67	L1	GND
0.195	FINAL	—	34.61	53.82	-19.21	L1	GND
0.530	FINAL	37.1	—	56.00	-18.93	L1	GND
0.533	FINAL	—	25.63	46.00	-20.37	L1	GND
1.097	FINAL	—	18.62	46.00	-27.38	L1	GND
1.097	FINAL	26.8	—	56.00	-29.22	L1	GND
2.902	FINAL	22.3	—	56.00	-33.74	L1	GND
2.904	FINAL	—	14.13	46.00	-31.87	L1	GND
7.836	FINAL	18.4	—	60.00	-41.57	L1	GND
7.919	FINAL	—	10.84	50.00	-39.16	L1	GND
19.993	FINAL	—	10.28	50.00	-39.72	L1	GND
20.128	FINAL	16.7	—	60.00	-43.31	L1	GND

Table 7-27. AC Line Conducted Data (NB UNII BDR – 6264MHz) (L1) with AC/DC Adaptor

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-160. AC Line Conducted Plot (NB UNII BDR – 6264MHz) (N) with AC/DC Adaptor

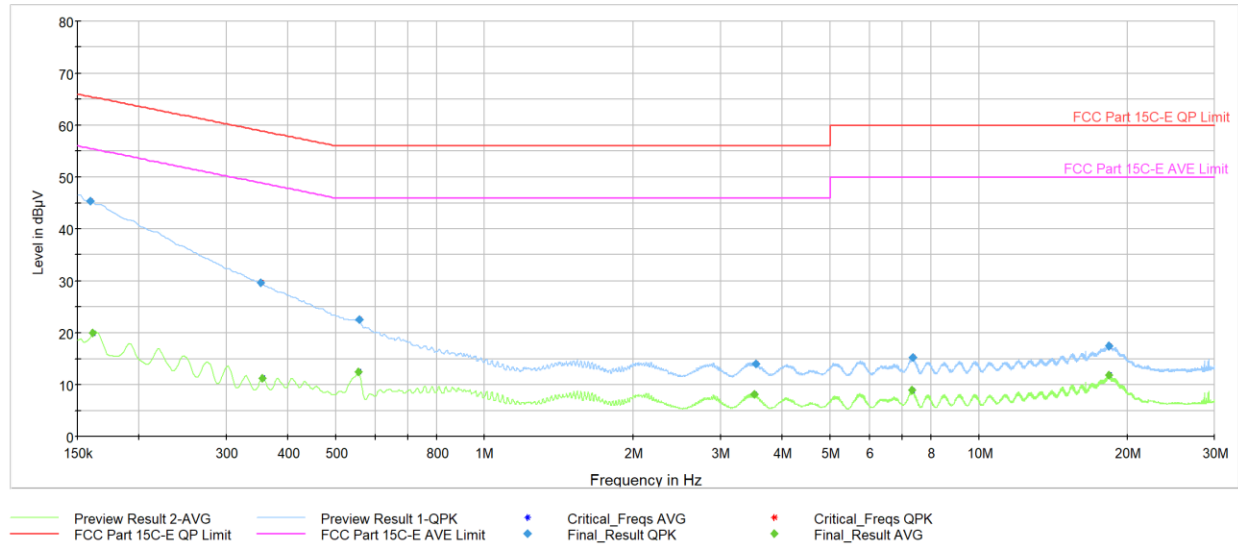
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.195	FINAL	50.3	—	63.82	-13.55	N	GND
0.197	FINAL	—	31.97	53.73	-21.75	N	GND
0.596	FINAL	—	24.26	46.00	-21.74	N	GND
0.598	FINAL	34.3	—	56.00	-21.71	N	GND
1.131	FINAL	23.0	—	56.00	-33.03	N	GND
1.133	FINAL	—	16.41	46.00	-29.59	N	GND
2.787	FINAL	20.1	—	56.00	-35.88	N	GND
2.789	FINAL	—	13.26	46.00	-32.74	N	GND
8.066	FINAL	15.3	—	60.00	-44.68	N	GND
8.124	FINAL	—	8.61	50.00	-41.39	N	GND
18.231	FINAL	17.2	—	60.00	-42.84	N	GND
18.236	FINAL	—	10.47	50.00	-39.53	N	GND

Table 7-28. AC Line Conducted Data (NB UNII BDR – 6264MHz) (N) with AC/DC Adaptor

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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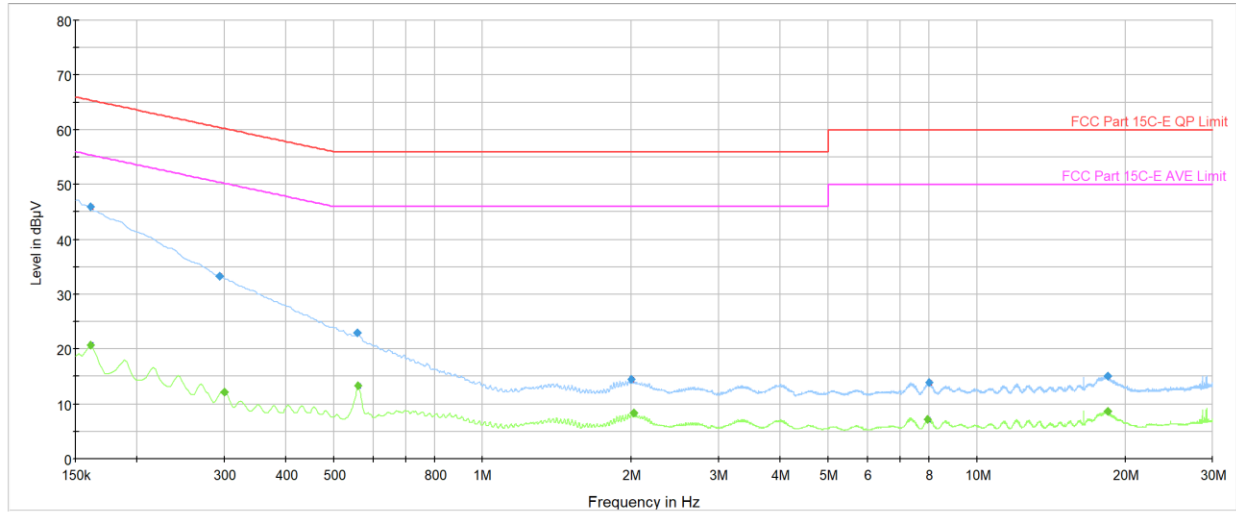
Plot 7-161. AC Line Conducted Plot (NB UNII LE1M – 6264MHz) (L1) with AC/DC Adaptor

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.159	FINAL	45.4	—	65.52	-20.10	L1	GND
0.161	FINAL	—	20.00	55.40	-35.40	L1	GND
0.353	FINAL	29.7	—	58.90	-29.20	L1	GND
0.355	FINAL	—	11.24	48.85	-37.61	L1	GND
0.555	FINAL	—	12.47	46.00	-33.53	L1	GND
0.557	FINAL	22.6	—	56.00	-33.38	L1	GND
3.514	FINAL	—	8.21	46.00	-37.79	L1	GND
3.539	FINAL	14.1	—	56.00	-41.89	L1	GND
7.332	FINAL	—	8.97	50.00	-41.03	L1	GND
7.357	FINAL	15.3	—	60.00	-44.71	L1	GND
18.328	FINAL	17.5	—	60.00	-42.49	L1	GND
18.355	FINAL	—	11.86	50.00	-38.14	L1	GND

Table 7-29. AC Line Conducted Data (NB UNII LE1M – 6264MHz) (L1) with AC/DC Adaptor

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Plot 7-162. AC Line Conducted Data (NB UNII LE1M – 6264MHz) (N) with AC/DC Adaptor

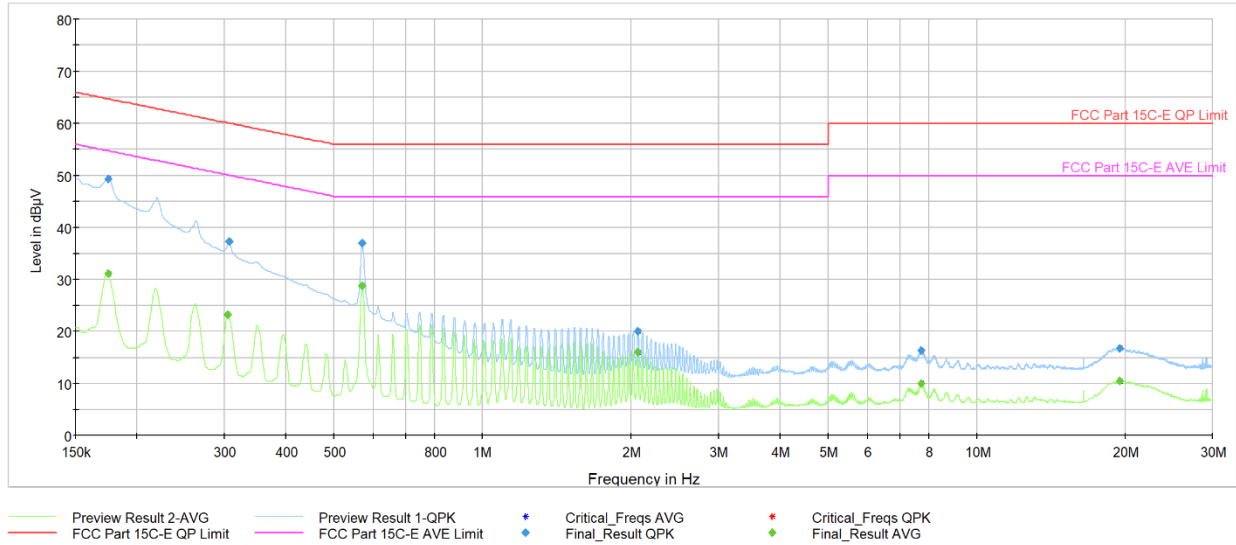
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	—	20.73	55.40	-34.67	N	GND
0.161	FINAL	45.9	—	65.40	-19.49	N	GND
0.294	FINAL	33.3	—	60.41	-27.09	N	GND
0.301	FINAL	—	12.19	50.22	-38.03	N	GND
0.557	FINAL	23.0	—	56.00	-33.01	N	GND
0.560	FINAL	—	13.26	46.00	-32.74	N	GND
1.997	FINAL	14.4	—	56.00	-41.58	N	GND
2.022	FINAL	—	8.31	46.00	-37.69	N	GND
7.962	FINAL	—	7.19	50.00	-42.81	N	GND
8.014	FINAL	13.9	—	60.00	-46.13	N	GND
18.400	FINAL	15.0	—	60.00	-44.97	N	GND
18.402	FINAL	—	8.64	50.00	-41.36	N	GND

Table 7-30. AC Line Conducted Data (NB UNII LE1M – 6264MHz) (N) with AC/DC Adaptor

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-163. AC Line Conducted Plot (NB UNII HDR4 – 6264MHz) (L1) with AC/DC Adaptor

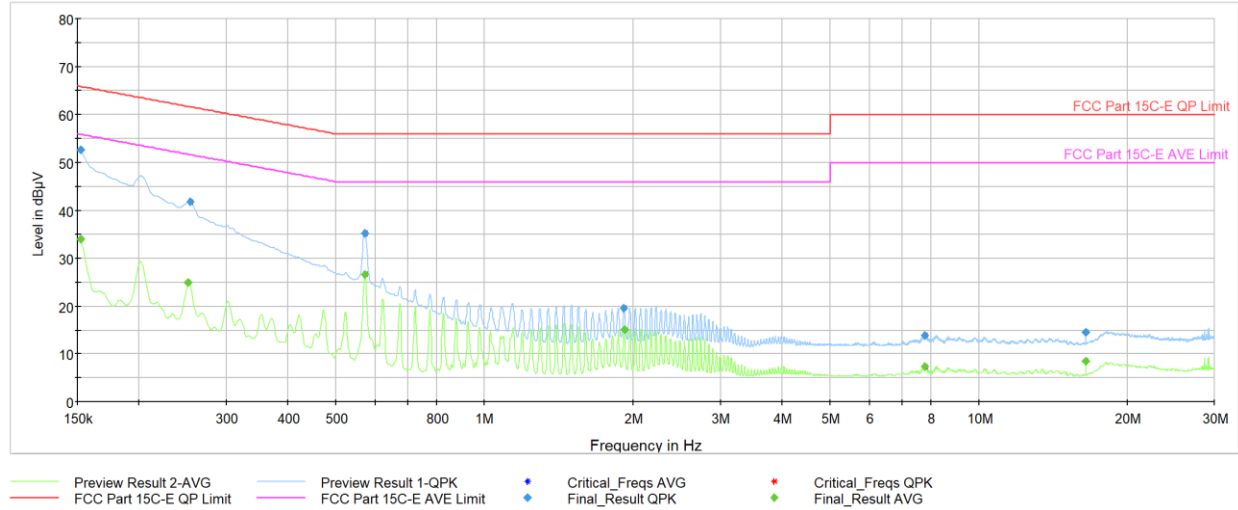
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.175	FINAL	—	31.12	54.73	-23.61	L1	GND
0.175	FINAL	49.4	—	64.73	-15.39	L1	GND
0.305	FINAL	—	23.21	50.10	-26.89	L1	GND
0.308	FINAL	37.3	—	60.04	-22.78	L1	GND
0.571	FINAL	—	28.79	46.00	-17.21	L1	GND
0.571	FINAL	36.9	—	56.00	-19.06	L1	GND
2.063	FINAL	20.1	—	56.00	-35.93	L1	GND
2.063	FINAL	—	15.97	46.00	-30.03	L1	GND
7.717	FINAL	16.3	—	60.00	-43.69	L1	GND
7.724	FINAL	—	10.08	50.00	-39.92	L1	GND
19.426	FINAL	16.8	—	60.00	-43.19	L1	GND
19.482	FINAL	—	10.47	50.00	-39.53	L1	GND

Table 7-31. AC Line Conducted Data (NB UNII HDR4 – 6264MHz) (L1) with AC/DC Adaptor

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-164. AC Line Conducted Plot (NB UNII HDR4 – 6264MHz) (N) with AC/DC Adaptor

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	34.08	55.88	-21.80	N	GND
0.152	FINAL	52.6	—	65.88	-13.26	N	GND
0.251	FINAL	—	24.91	51.72	-26.80	N	GND
0.254	FINAL	41.7	—	61.64	-19.90	N	GND
0.573	FINAL	—	26.73	46.00	-19.27	N	GND
0.573	FINAL	35.2	—	56.00	-20.76	N	GND
1.914	FINAL	19.7	—	56.00	-36.35	N	GND
1.916	FINAL	—	15.07	46.00	-30.93	N	GND
7.760	FINAL	13.9	—	60.00	-46.10	N	GND
7.760	FINAL	—	7.37	50.00	-42.63	N	GND
16.458	FINAL	—	8.51	50.00	-41.49	N	GND
16.458	FINAL	14.5	—	60.00	-45.48	N	GND

Table 7-32. AC Line Conducted Data (NB UNII HDR4 – 6264MHz) (N) with AC/DC Adaptor

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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Head Mounted Device FCC ID: BCGA3416** and **IC: 579C-A3416** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-248 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-10.BCG	Test Dates: 5/12/2025 - 08/13/2025	EUT Type: Head Mounted Device	Page 136 of 136

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