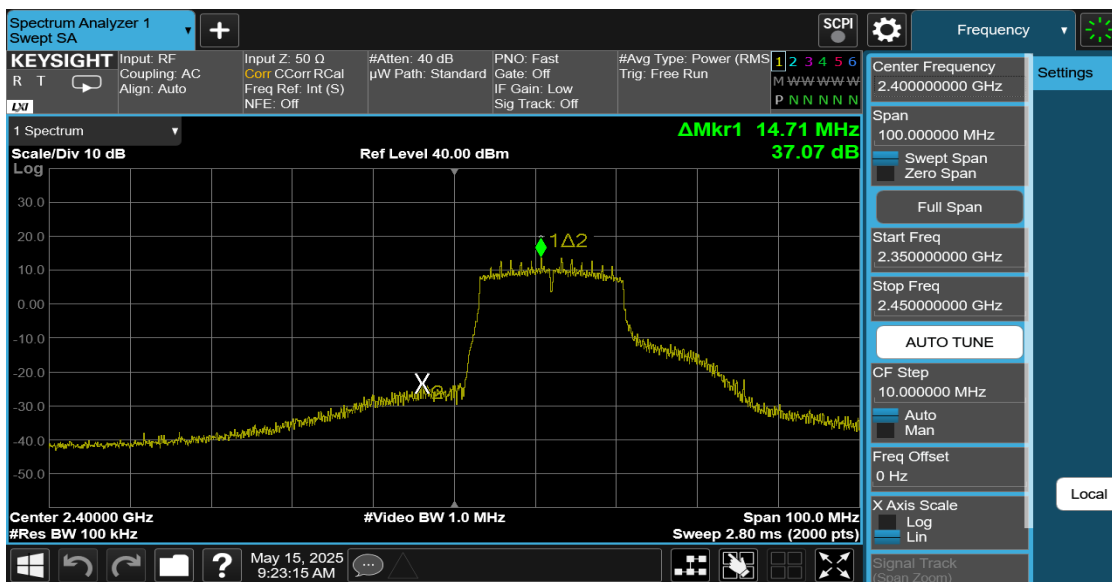
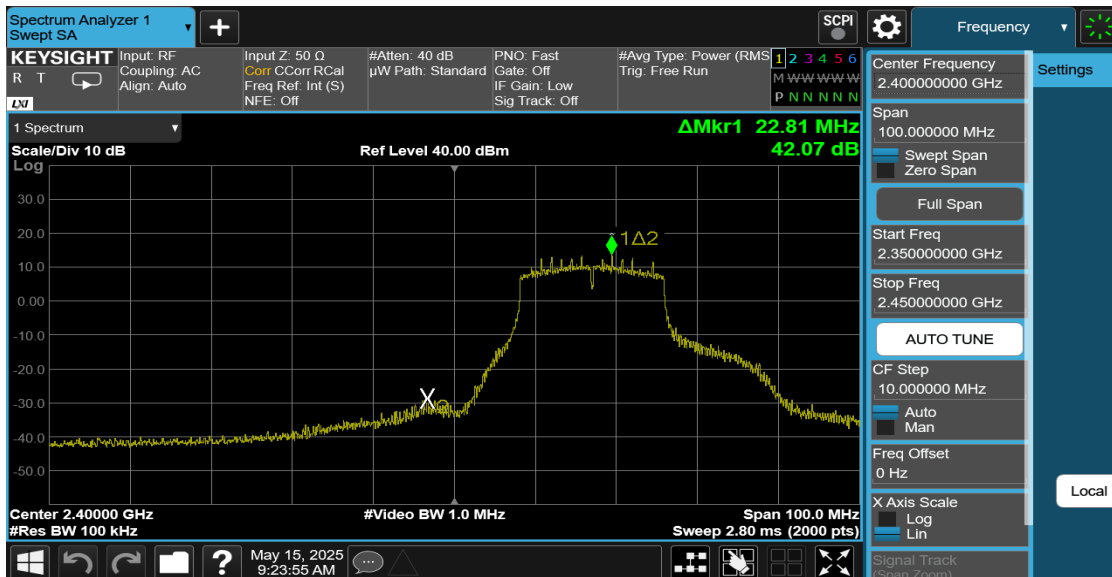
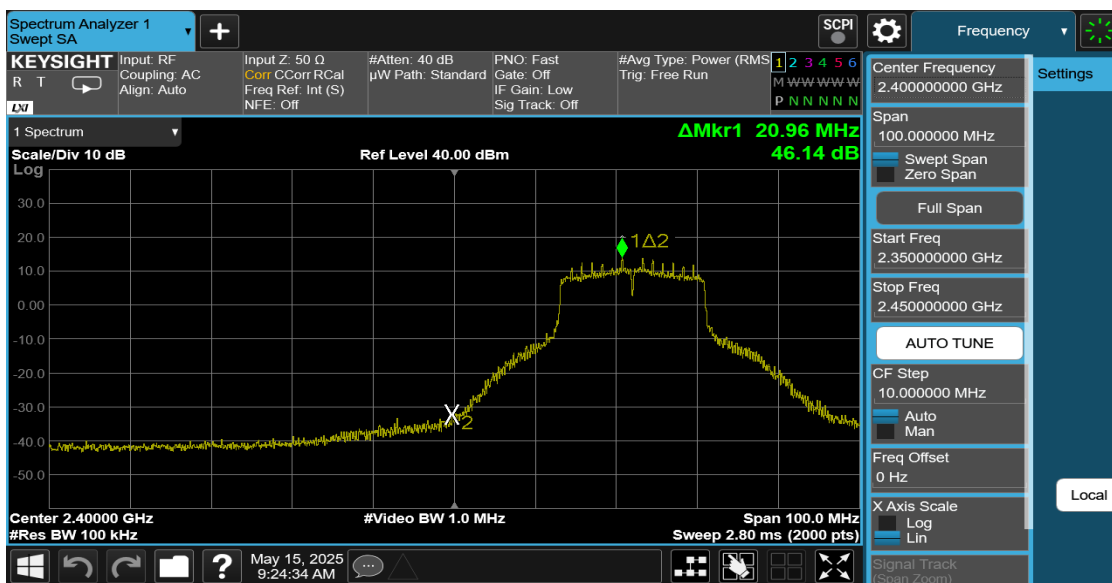




FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 115 of 246



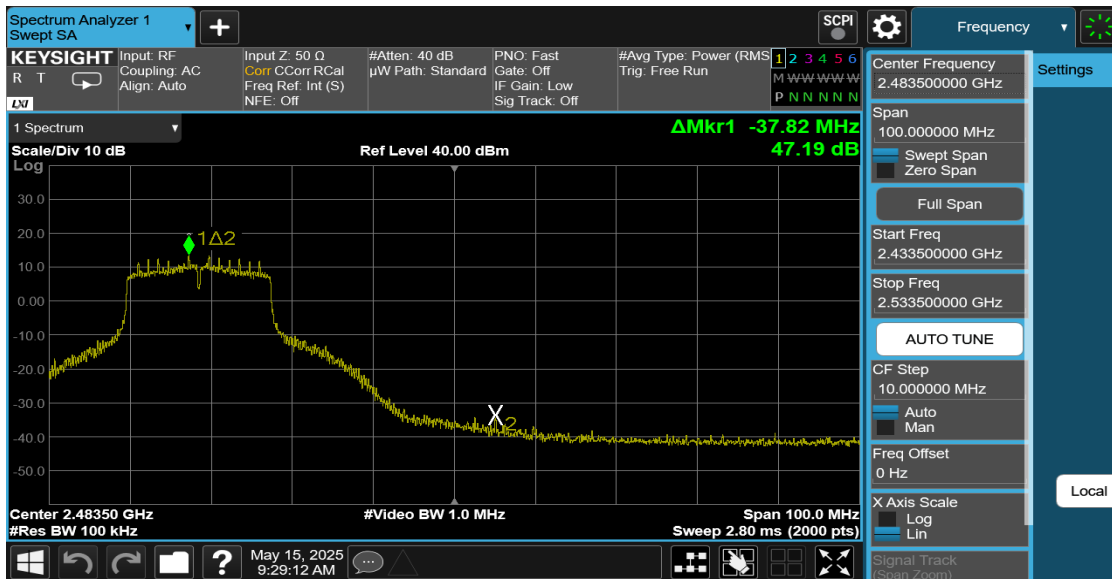
Plot 7-110. Band Edge Plot Antenna 1 Dedicated (802.11n (2.4GHz) – Ch. 2)



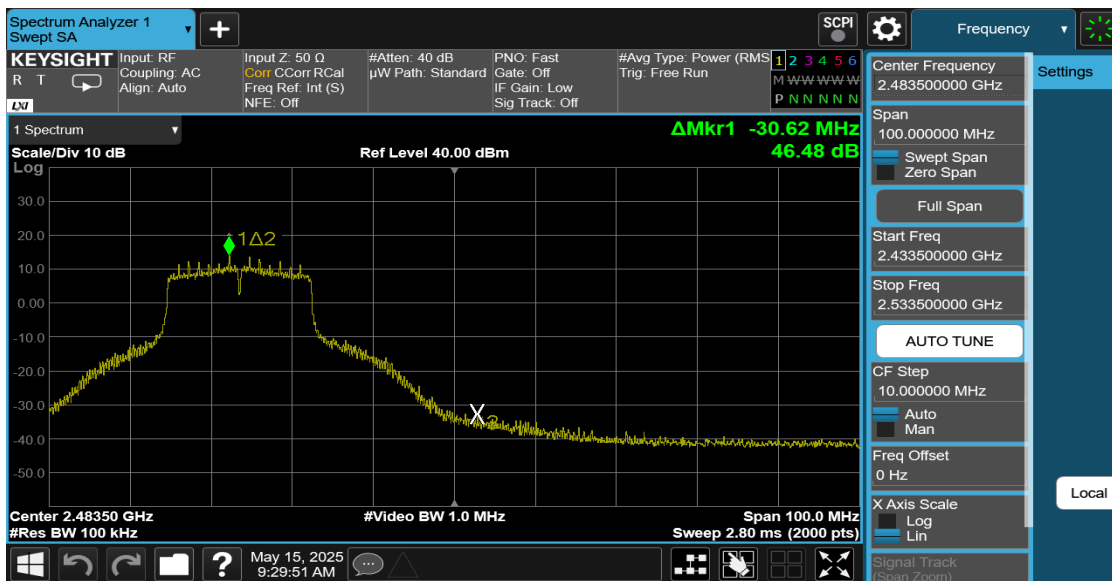
Plot 7-111. Band Edge Plot Antenna 1 Dedicated (802.11n (2.4GHz) – Ch. 3)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 116 of 246

V 12.0 03/03/2026

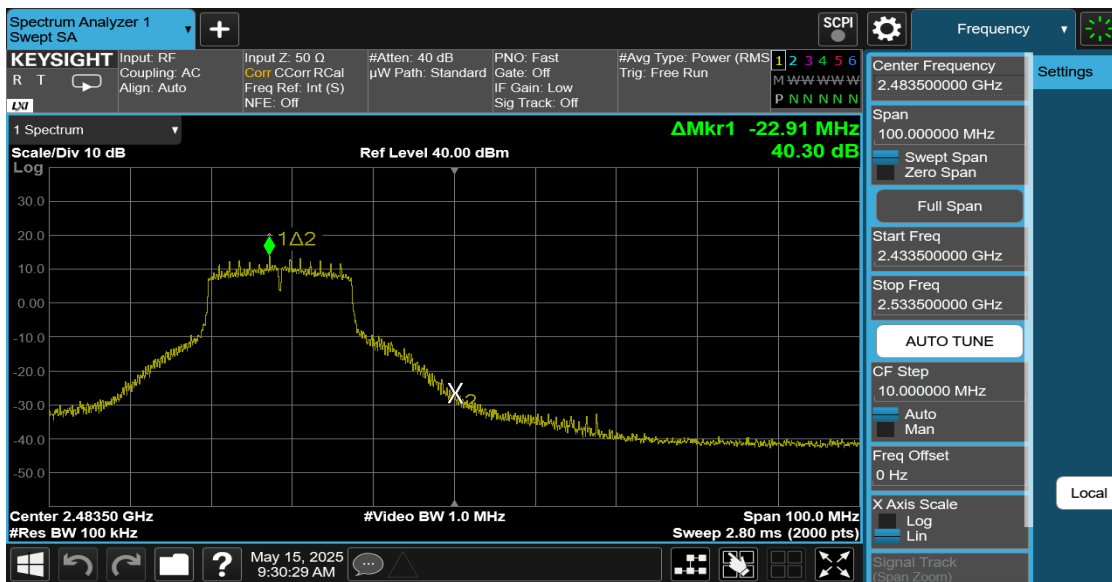


Plot 7-112. Band Edge Plot Antenna 1 Dedicated (802.11n (2.4GHz) – Ch. 9)

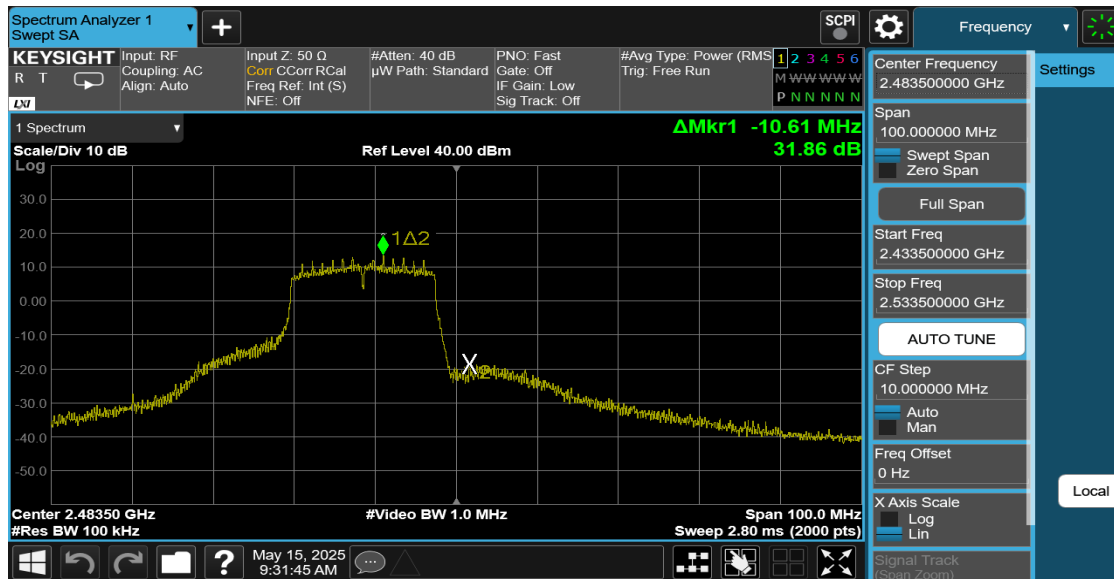


Plot 7-113. Band Edge Plot Antenna 1 Dedicated (802.11n (2.4GHz) – Ch. 10)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 117 of 246



FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 118 of 246



Plot 7-116. Band Edge Plot Antenna 1 Dedicated (802.11n (2.4GHz) – Ch. 13)

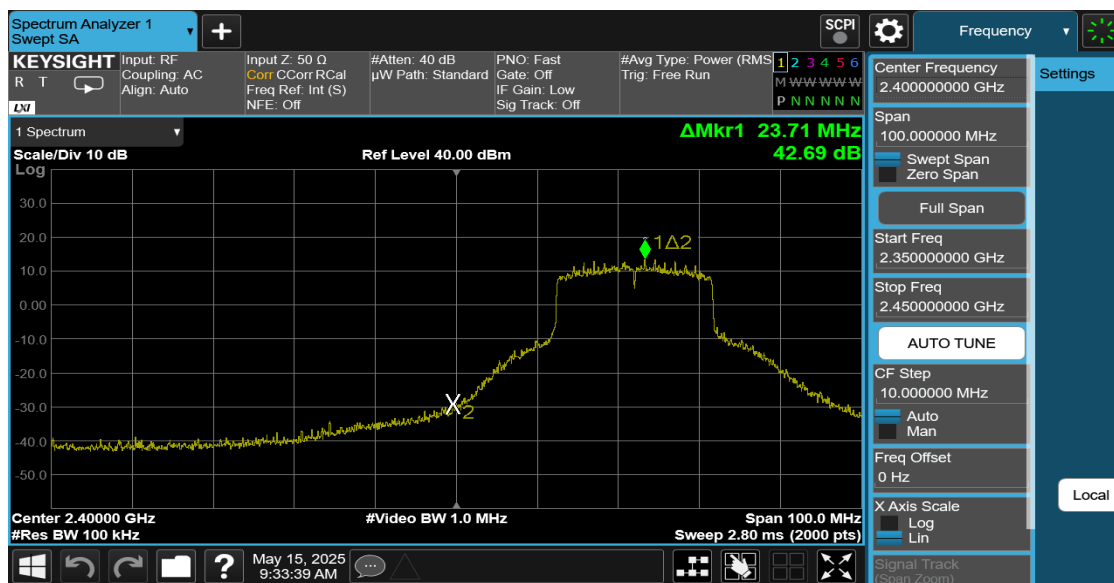


Plot 7-117. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 1)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 119 of 246

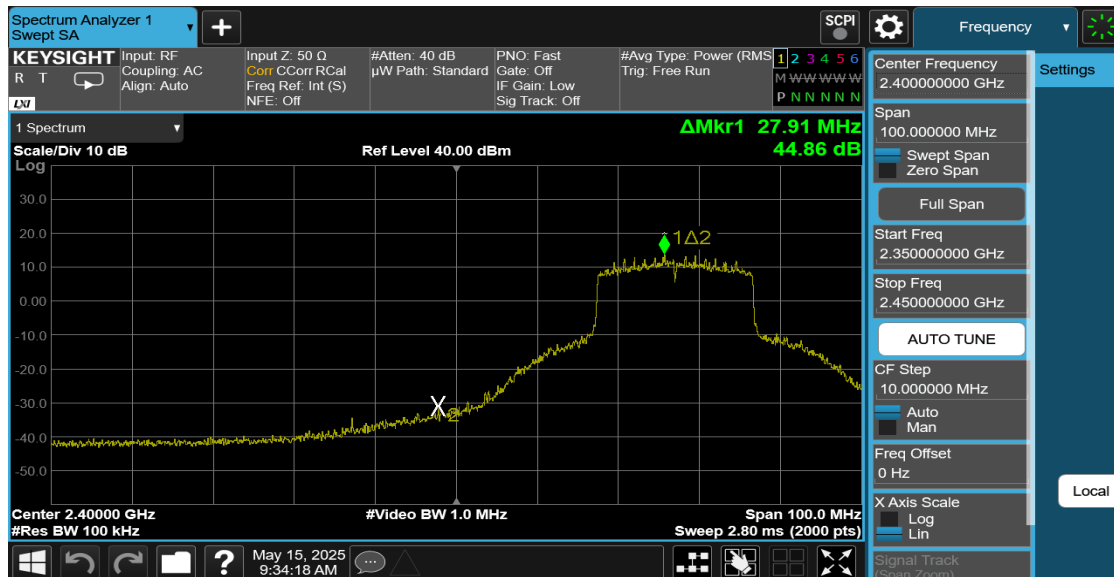


Plot 7-118. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 2)

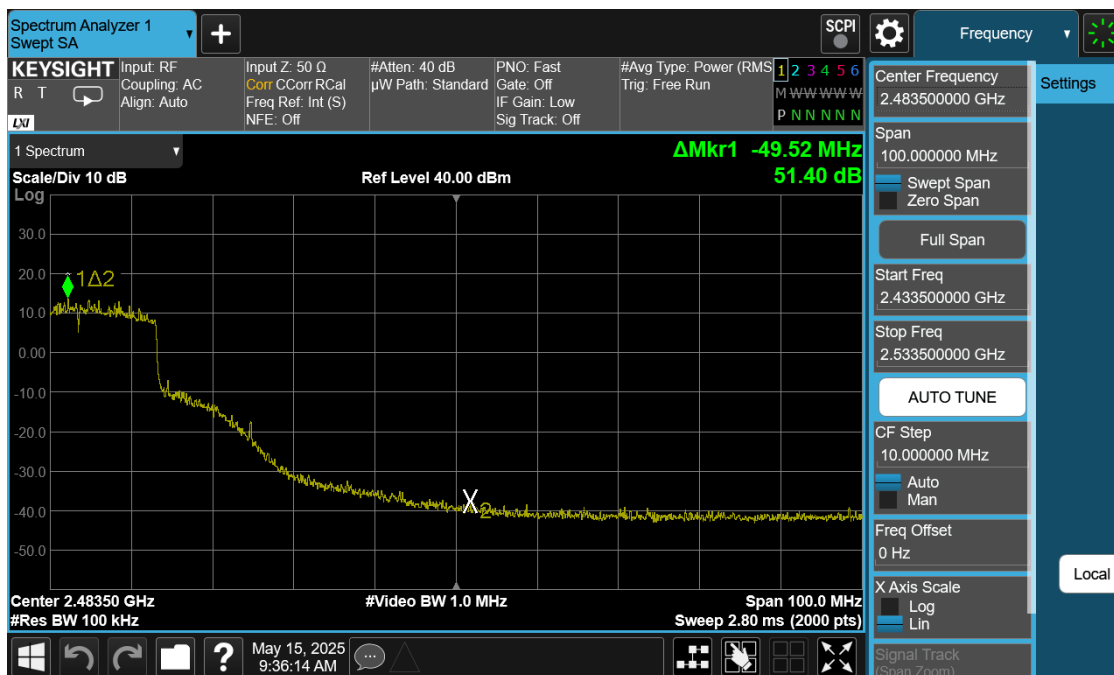


Plot 7-119. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 3)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 120 of 246

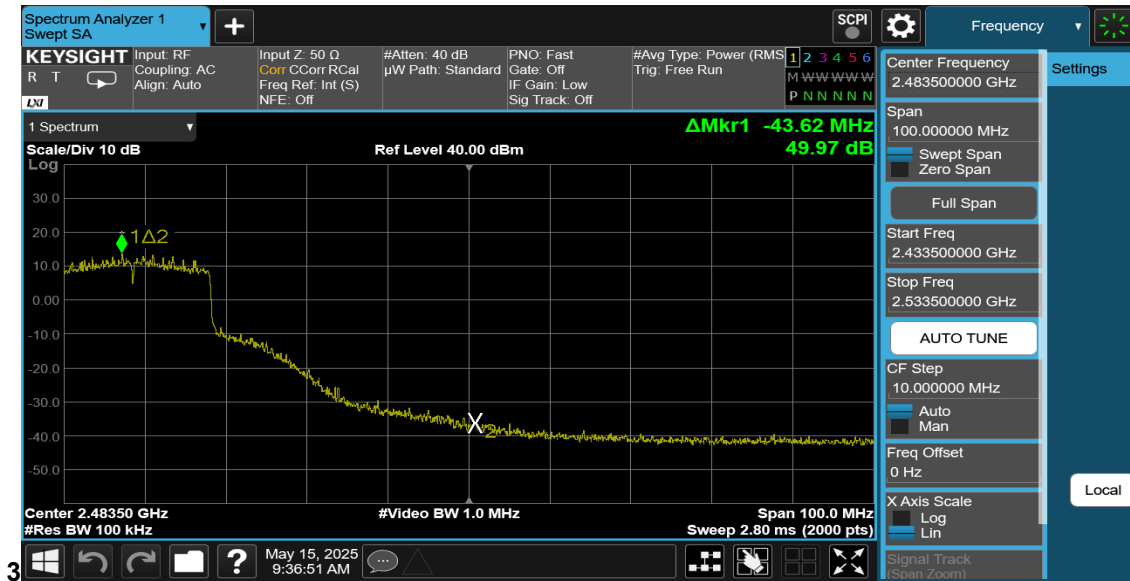


Plot 7-120. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 4)

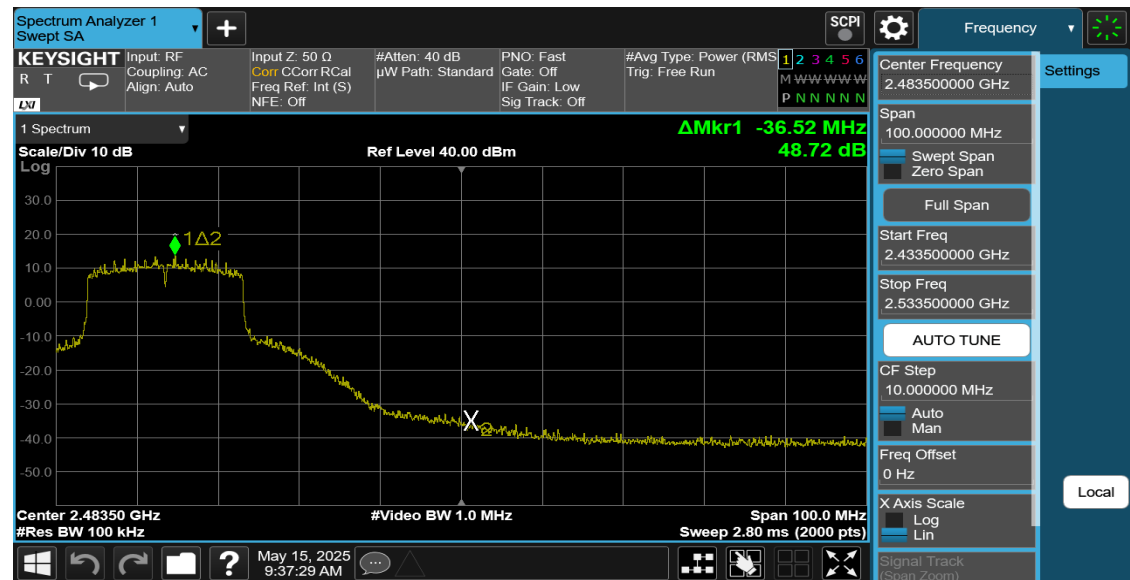


Plot 7-121. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 6)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 121 of 246

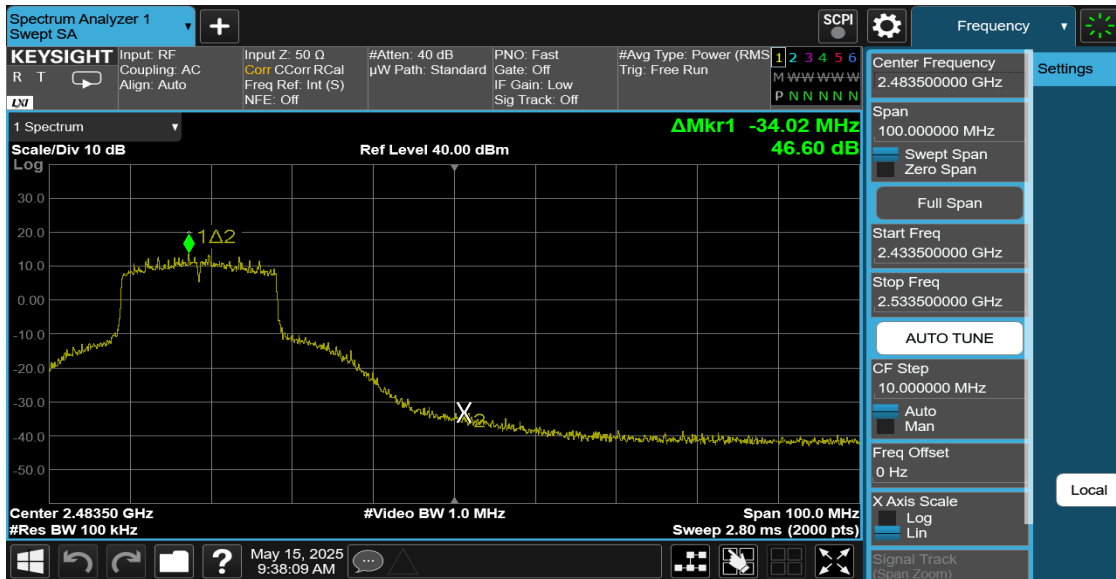


Plot 7-122. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 7)

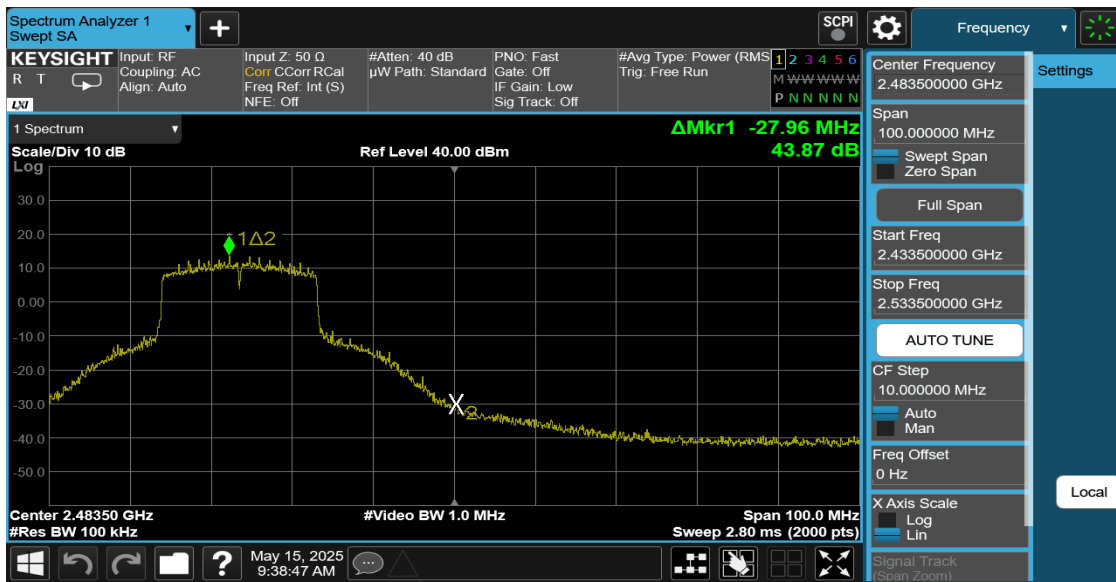


Plot 7-123. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 8)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 122 of 246

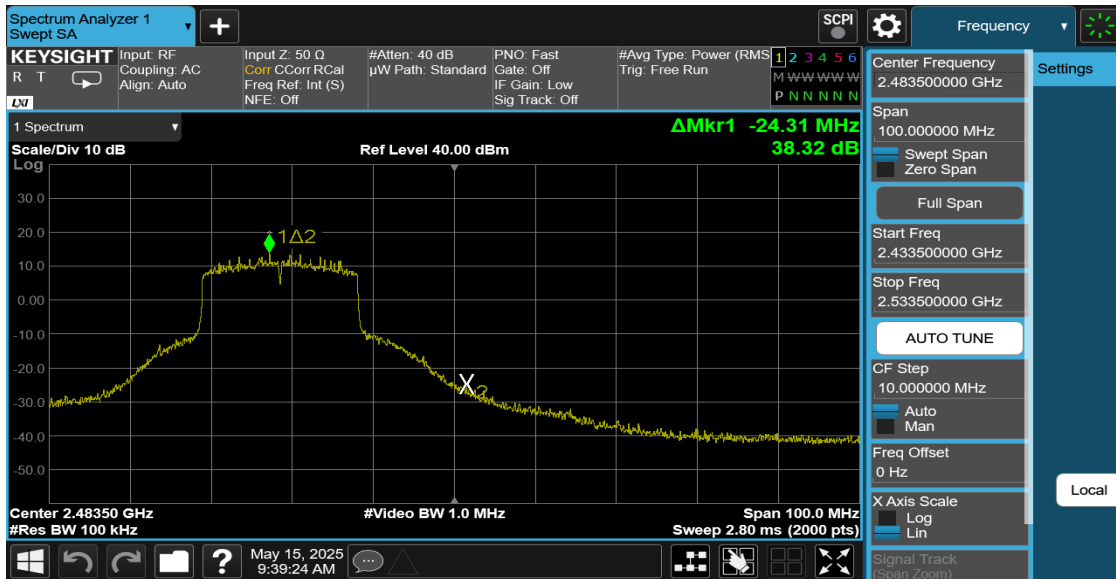


Plot 7-124. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 9)

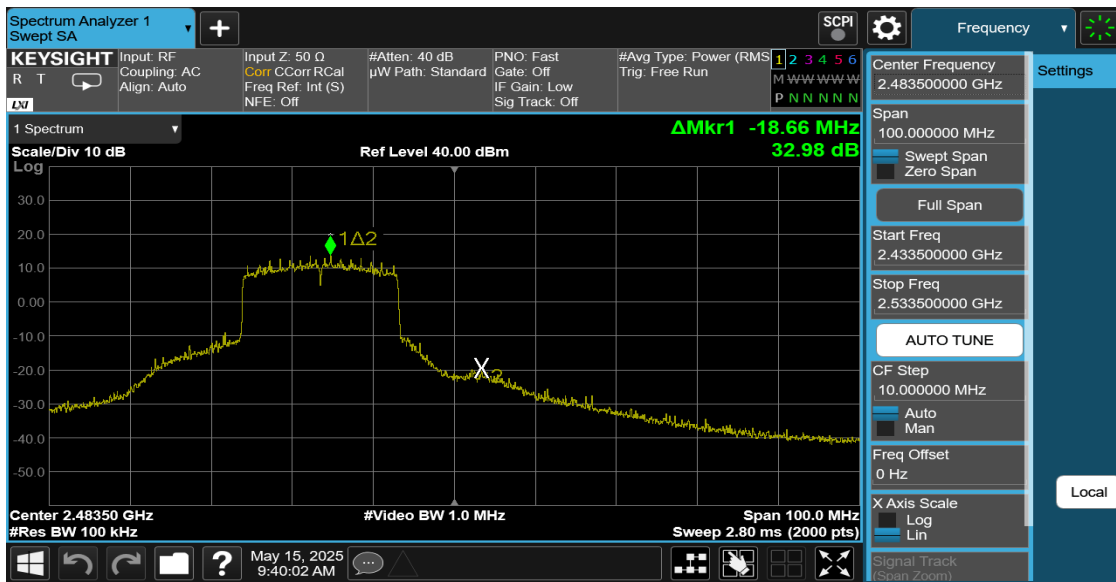


Plot 7-125. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 10)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 123 of 246



Plot 7-126. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 11)



Plot 7-127. Band Edge Plot Antenna 1 Dedicated (802.11ax (SU - 2.4GHz) – Ch. 12)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 124 of 246

7.7 Conducted Spurious Emissions

Test Overview and Limit

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. For the following out of band conducted spurious emissions plots, the EUT was investigated in all available data rates for “b”, “g”, “n”, “ax-SU” modes. The worst case spurious emissions for the 2.4GHz band were found while transmitting in “b” mode at 11 Mbps and are shown in the plots below.

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the procedure in Section 11.11 of ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 558074 D01 v05r02.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 11.11.3

KDB 558074 D01 v05r02 – Section 8.5

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 14.3.3

KDB 662911 D01 v02r01 – Section E)3)b)

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 25GHz (separated into two plots per channel)
2. RBW = 1MHz* (see note below)
3. VBW = 3MHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

Test Setup

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



Figure 7-6. Test Instrument & Measurement Setup

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 125 of 246

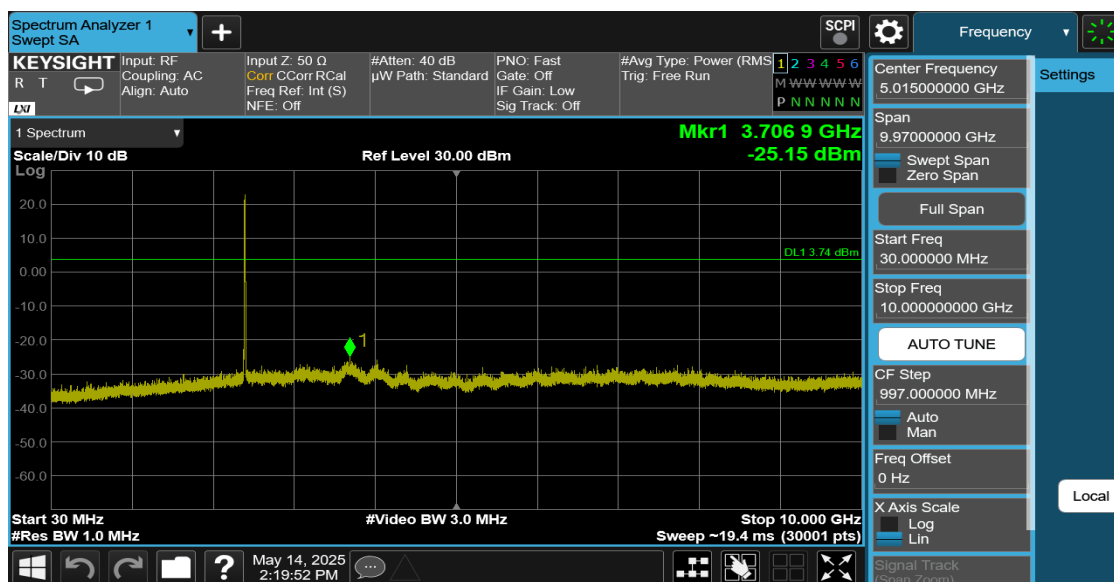
Test Notes

1. RBW was set to 1MHz rather than 100kHz in order to increase the measurement speed.
2. The display line shown in the following plots denotes the limit at 20dB below the fundamental emission level measured in a 100kHz bandwidth. However, since the traces in the following plots are measured with a 1MHz RBW, the display line may not necessarily appear to be 20dB below the level of the fundamental in a 1MHz bandwidth.
3. For plots showing conducted spurious emissions near the limit, the frequencies were investigated with a reduced RBW to ensure that no emissions were present.
4. The conducted spurious emissions were measured to relative limits. Therefore, in accordance with ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 662911 D01 v02r01 Section E3)b), it was unnecessary to show compliance through the summation of test results of the individual outputs.
5. All modes, data rates, and antenna configurations were investigated and only the worse case is reported.

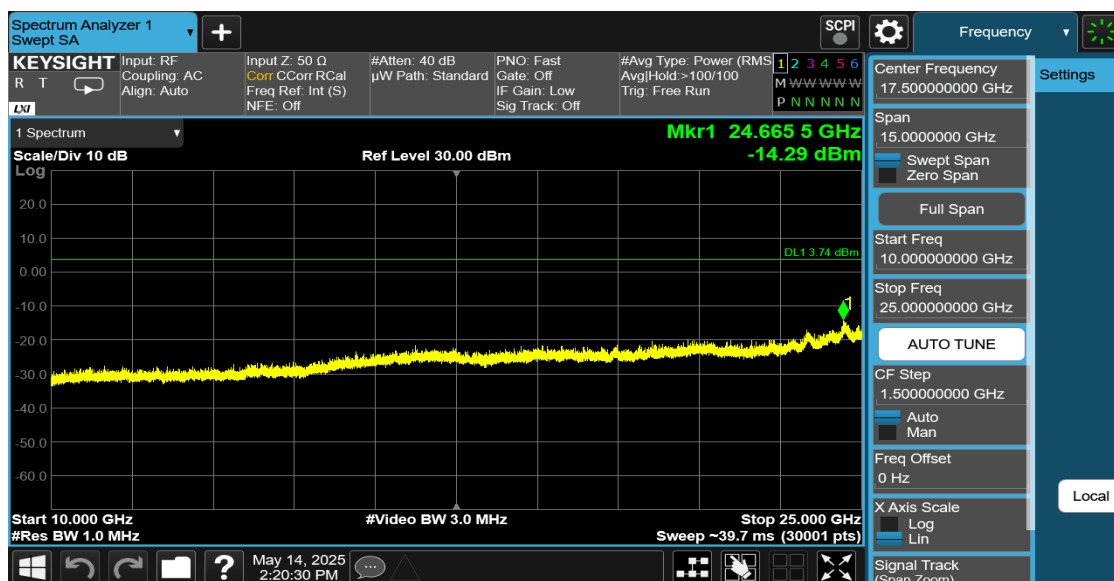
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 126 of 246

V 12.0 03/03/2026

7.7.1 Antenna 0 Dedicated Conducted Spurious Emission



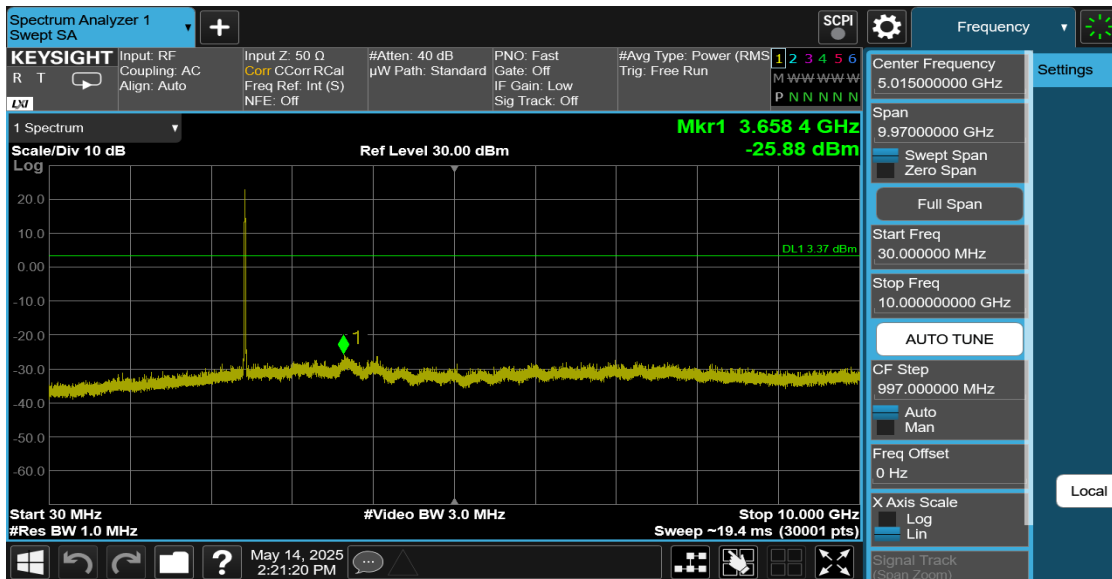
Plot 7-128. Conducted Spurious Plot Antenna 0 Dedicated (802.11b – Ch. 1)



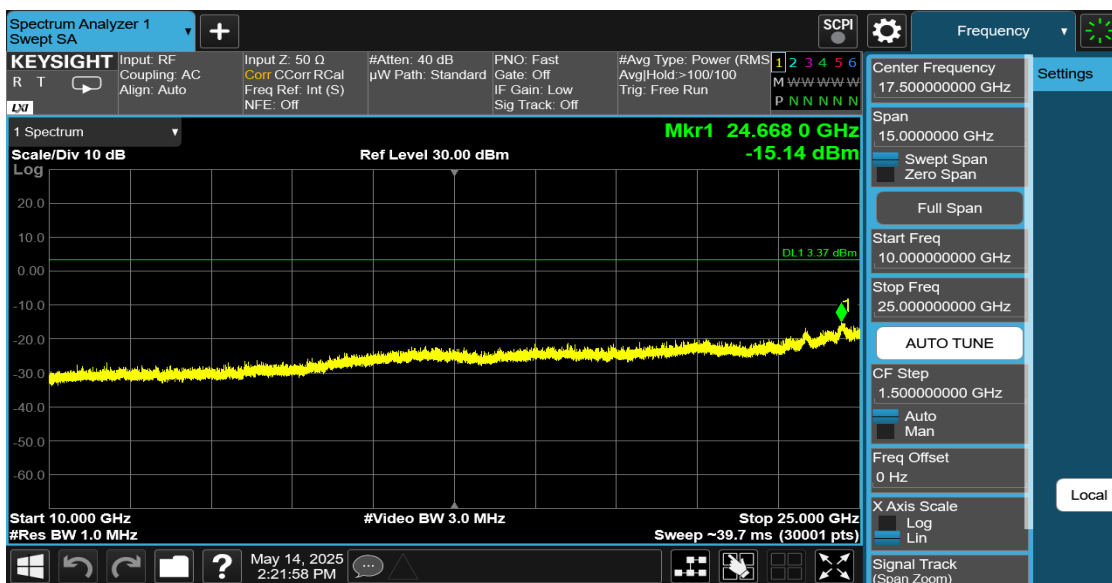
Plot 7-129. Conducted Spurious Plot Antenna 0 Dedicated (802.11b – Ch. 1)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 127 of 246

V 12.0 03/03/2026

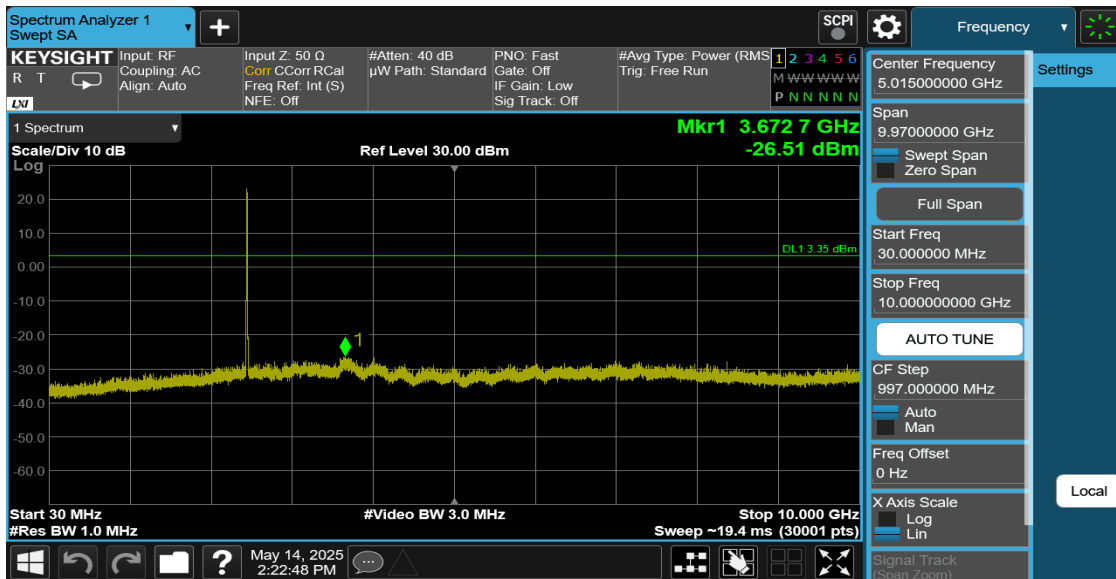


Plot 7-130. Conducted Spurious Plot Antenna 0 Dedicated (802.11b – Ch. 6)

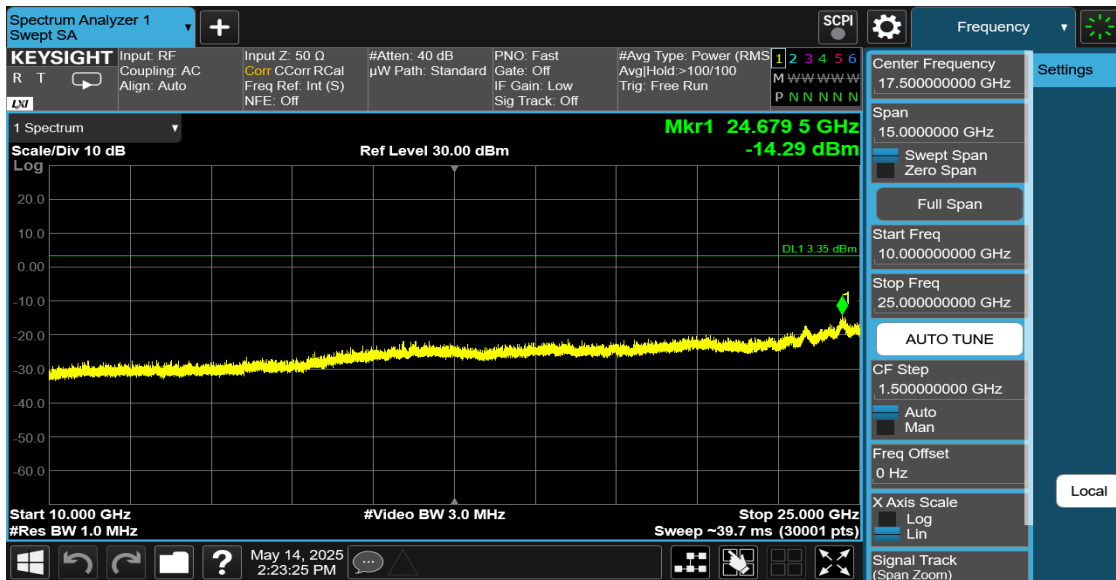


Plot 7-131. Conducted Spurious Plot Antenna 0 Dedicated (802.11b – Ch. 6)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 128 of 246



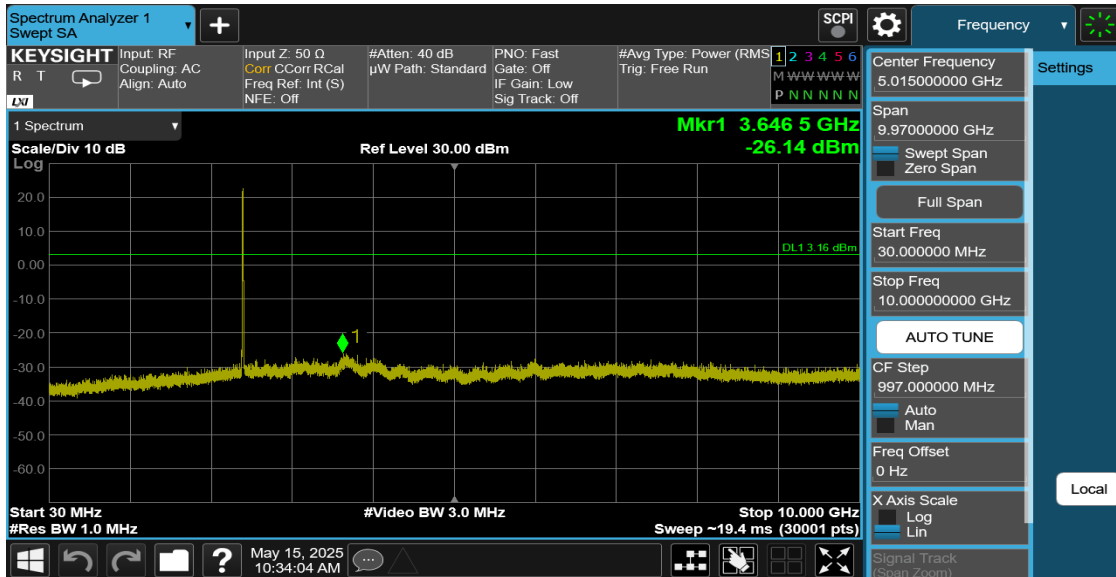
Plot 7-132. Conducted Spurious Plot Antenna 0 Dedicated (802.11b – Ch. 11)



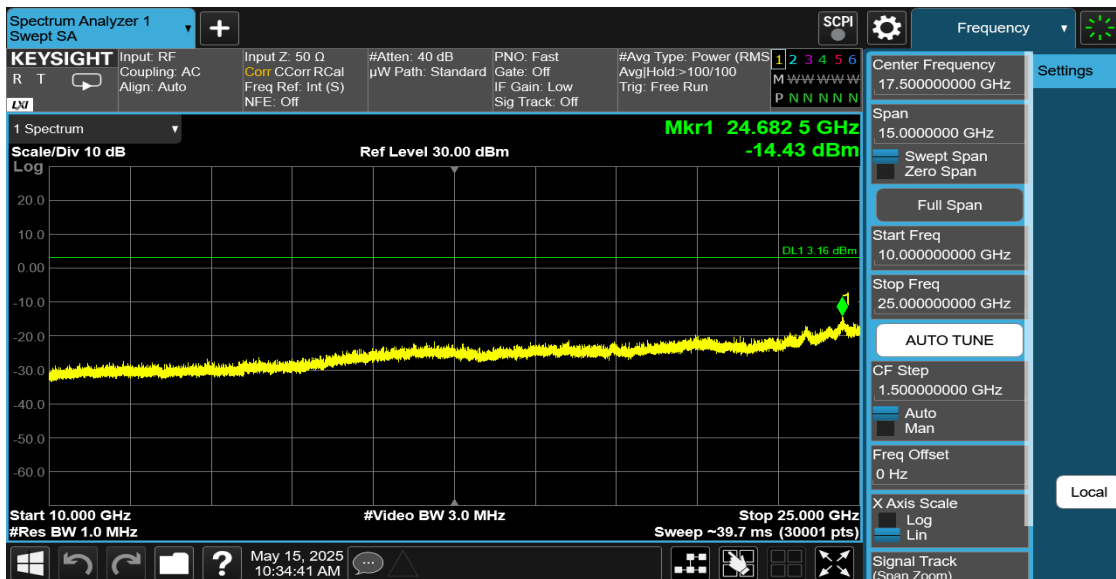
Plot 7-133. Conducted Spurious Plot Antenna 0 Dedicated (802.11b – Ch. 11)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 129 of 246

7.7.2 Antenna 1 Dedicated Conducted Spurious Emissions

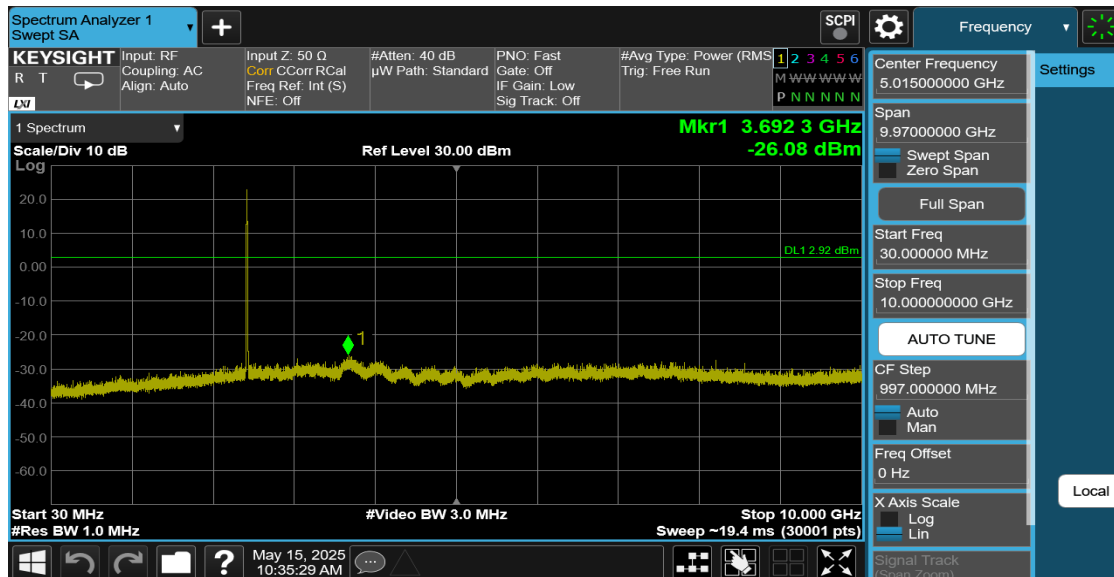


Plot 7-134. Conducted Spurious Plot Antenna 1 Dedicated (802.11b – Ch. 1)

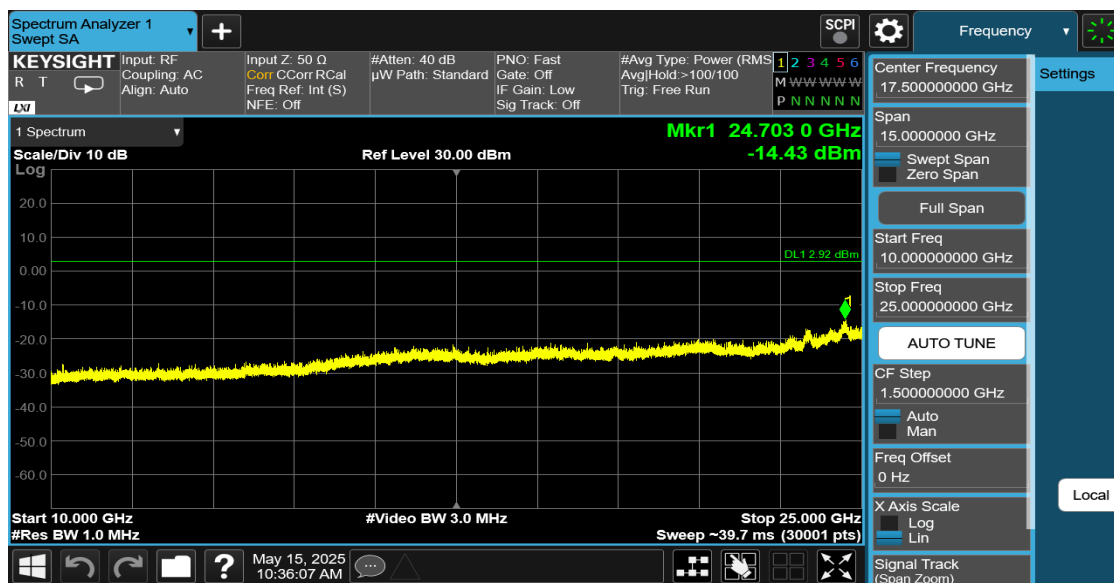


Plot 7-135. Conducted Spurious Plot Antenna 1 Dedicated (802.11b – Ch. 1)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 130 of 246

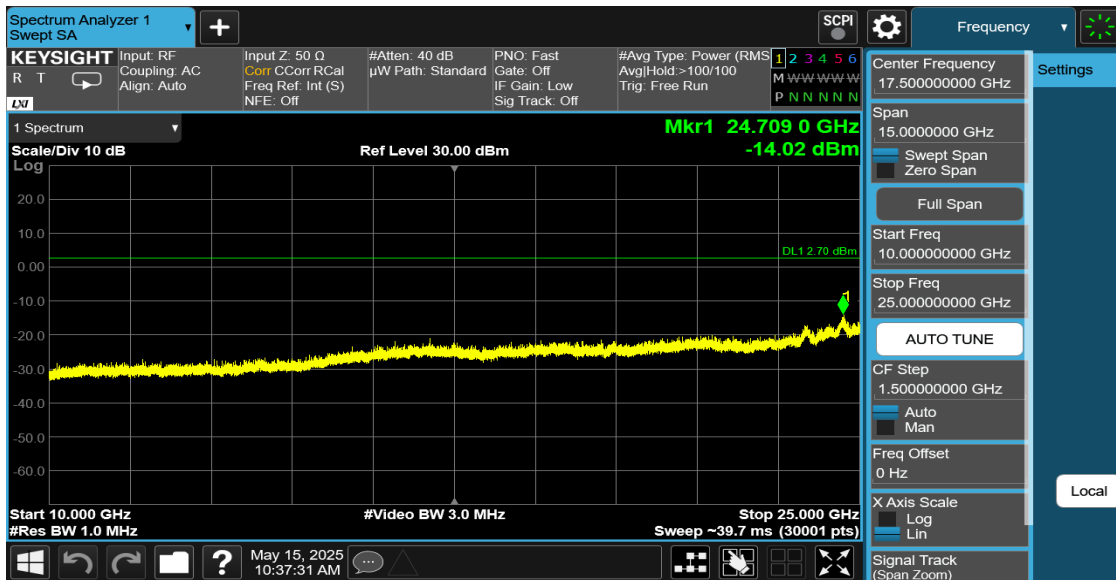
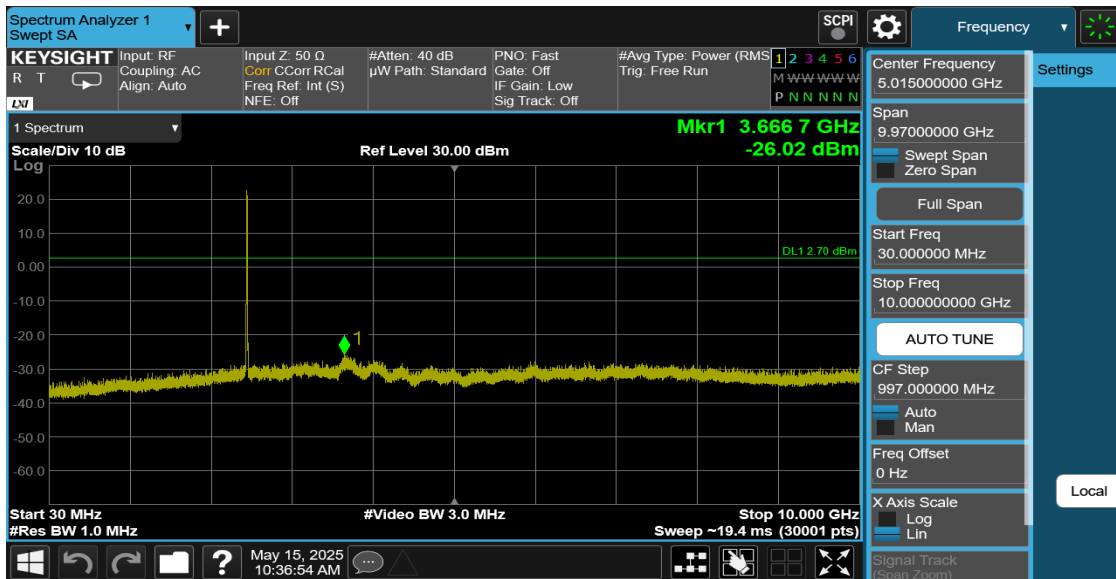


Plot 7-136. Conducted Spurious Plot Antenna 1 Dedicated (802.11b – Ch. 6)



Plot 7-137. Conducted Spurious Plot Antenna 1 Dedicated (802.11b – Ch. 6)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 131 of 246



FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 132 of 246

7.8 Radiated Spurious Emissions – Above 1 GHz

Test Overview and Limit

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

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (7.5) must not exceed the limits shown in Table 7-56 per Section 15.209 and RSS-Gen (7.4.3).

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

Table 7-56. Radiated Limits

Test Procedures Used

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

Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 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: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 133 of 246

Test Setup

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

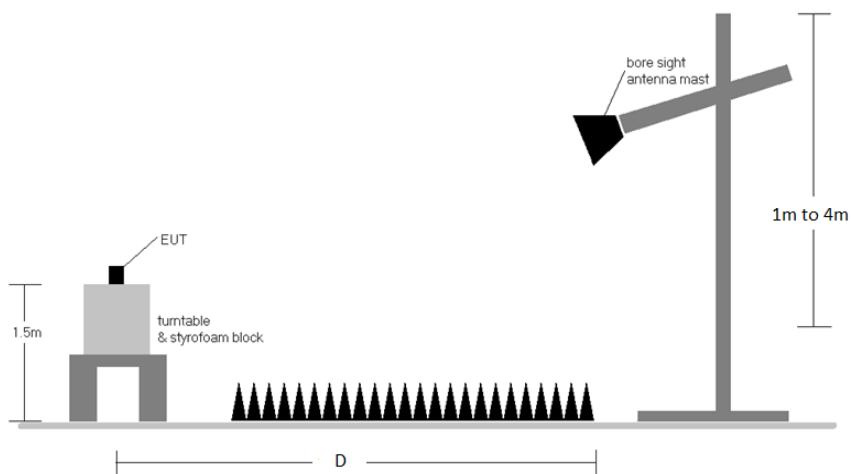


Figure 7-7. Radiated Measurement Setup

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 7-56.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through one orthogonal plane.
4. This unit was tested while powered by an AC power source.
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: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 134 of 246

Sample Calculations

Determining Spurious Emissions Levels

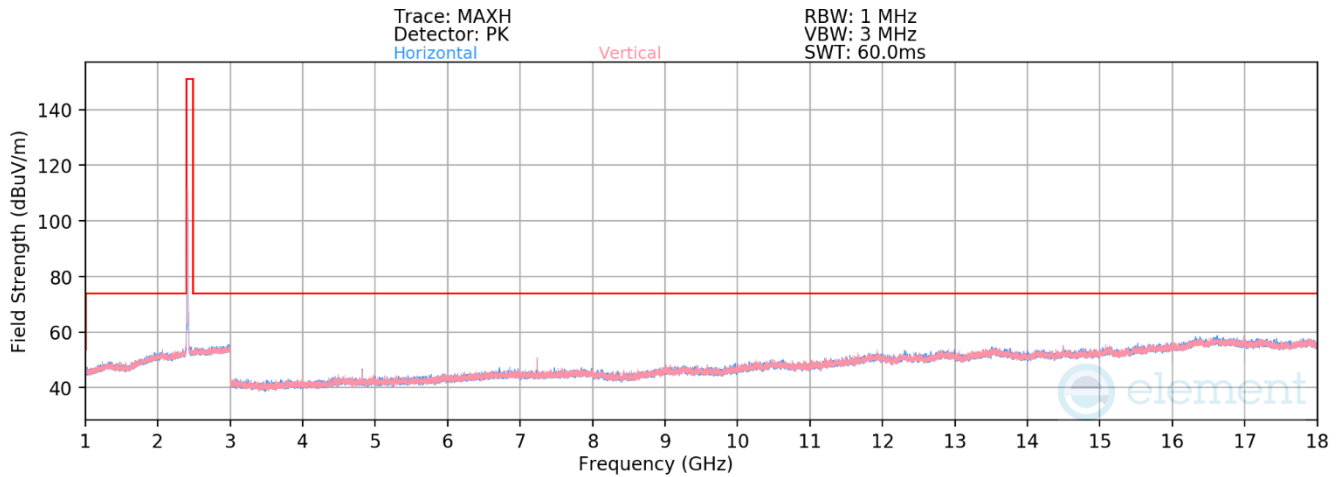
- Field Strength Level $[\text{dB}_{\mu\text{V/m}}] = \text{Analyzer Level} [\text{dBm}] + 107 + \text{AFCL} [\text{dB/m}]$
- AFCL $[\text{dB/m}] = \text{Antenna Factor} [\text{dB/m}] + \text{Cable Loss} [\text{dB}] - \text{Preamplifier Gain} [\text{dB}]$
- Margin $[\text{dB}] = \text{Field Strength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

Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.8.4 to 7.8.9 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 135 of 246

7.8.1 Antenna 0 Dedicated Radiated Spurious Emission Measurements



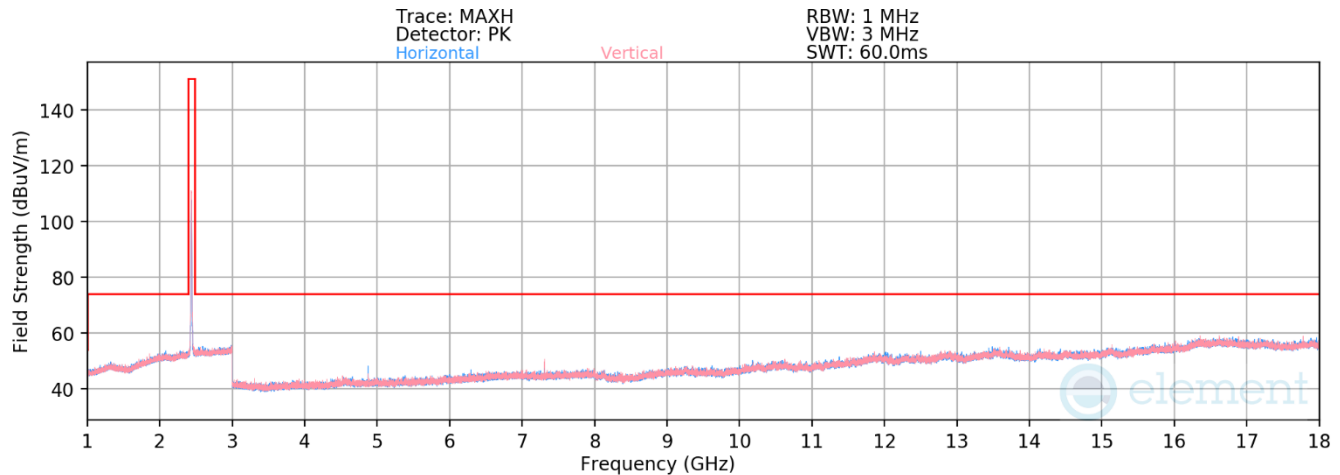
Plot 7-140. Radiated Spurious Emissions above 1GHz Antenna 0 Dedicated (802.11b – Ch. 1)

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]	Duty Cycle Correction [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4824.00	Average	H	163	329	-68.92	6.68	0.53	45.30	53.98	-8.68
4824.00	Peak	H	163	329	-63.08	6.68	0.00	50.60	73.98	-23.38
12060.00	Average	H	-	-	-82.80	16.59	0.00	40.79	53.98	-13.19
12060.00	Peak	H	-	-	-72.07	17.21	0.00	52.15	73.98	-21.83
14472.00	Average	H	-	-	-84.06	20.34	0.00	43.28	53.98	-10.70
14472.00	Peak	H	-	-	-72.83	20.34	0.00	54.51	73.98	-19.47

Table 7-57. Radiated Measurements Antenna 0 Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 136 of 246



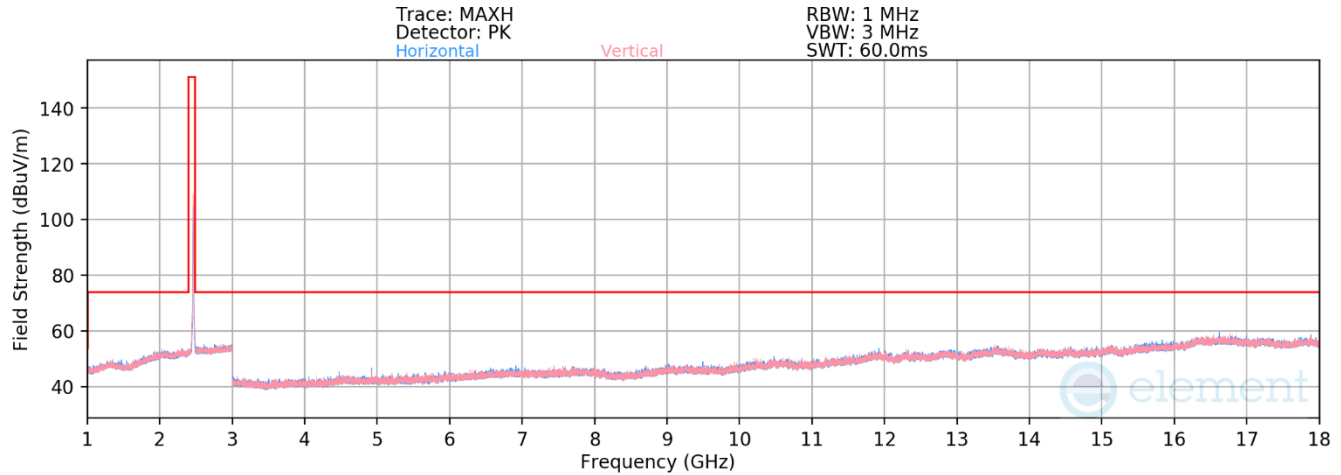
Plot 7-141. Radiated Spurious Emissions above 1GHz Antenna 0 Dedicated (802.11b – Ch. 6)

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]	Duty Cycle Correction [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Average	H	199	330	-76.64	6.47	0.53	37.36	53.98	-16.62
4874.00	Peak	H	199	330	-63.33	6.47	0.00	50.14	73.98	-23.84
7311.00	Average	V	249	11	-74.44	10.07	0.53	43.16	53.98	-10.82
7311.00	Peak	V	249	11	-66.83	10.07	0.00	50.24	73.98	-23.74
12185.00	Average	H	-	-	-83.47	16.76	0.00	40.30	53.98	-13.68
12185.00	Peak	H	-	-	-72.31	16.86	0.00	51.55	73.98	-22.43

Table 7-58. Radiated Measurements Antenna 0 Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 137 of 246



Plot 7-142. Radiated Spurious Emissions above 1GHz Antenna 0 Dedicated (802.11b – Ch. 11)

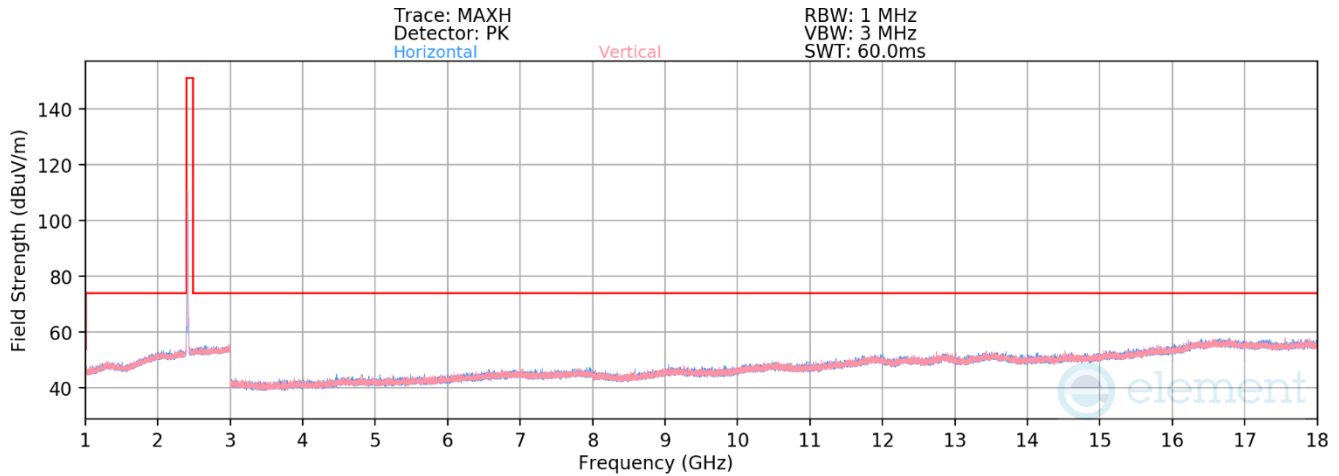
Mode: 802.11b
Data Rate: 11Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Average	H	186	328	-69.91	6.55	0.53	44.17	53.98	-9.81
4924.00	Peak	H	186	328	-64.08	6.55	0.00	49.47	73.98	-24.51
7386.00	Average	V	151	279	-81.63	10.14	0.53	36.05	53.98	-17.93
7386.00	Peak	V	151	279	-68.06	10.14	0.00	49.08	73.98	-24.90
12310.00	Average	H	-	-	-83.39	17.42	0.00	41.04	53.98	-12.94
12310.00	Peak	H	-	-	-71.83	17.42	0.00	52.59	73.98	-21.39

Table 7-59. Radiated Measurements Antenna 0 Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 138 of 246

7.8.2 Antenna 1 Dedicated Radiated Spurious Emission Measurements



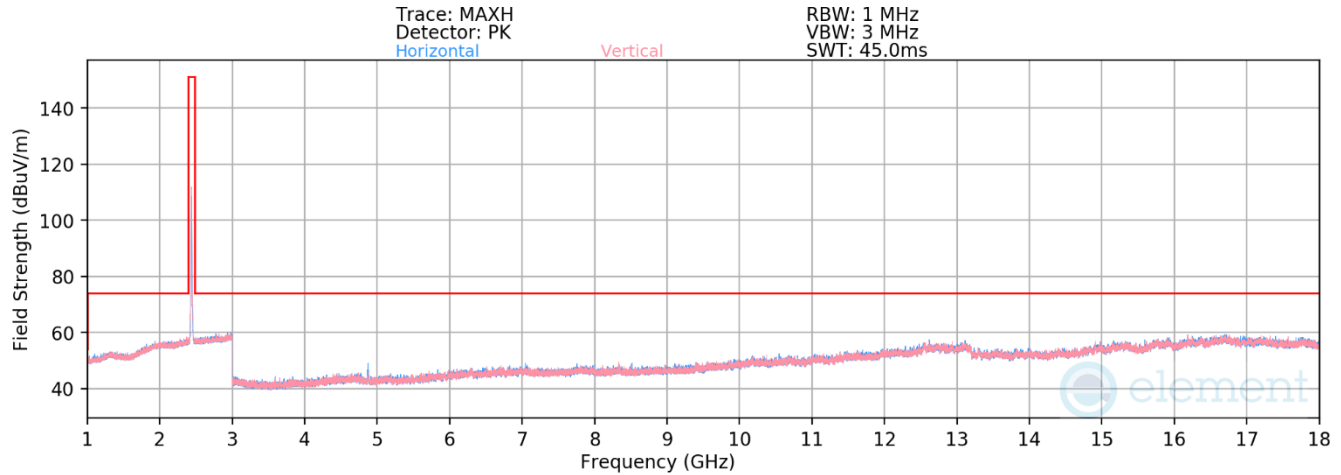
Plot 7-143. Radiated Spurious Emissions above 1GHz Antenna 1 Dedicated (802.11b – Ch. 1)

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]	Duty Cycle Correction [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4824.00	Average	H	200	314	-67.64	6.68	0.54	46.58	53.98	-7.40
4824.00	Peak	H	200	314	-62.54	6.68	0.00	51.14	73.98	-22.84
12060.00	Average	H	-	-	-82.81	16.62	0.00	40.81	53.98	-13.17
12060.00	Peak	H	-	-	-71.67	16.62	0.00	51.95	73.98	-22.03

Table 7-60. Radiated Measurements Antenna 1 Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 139 of 246



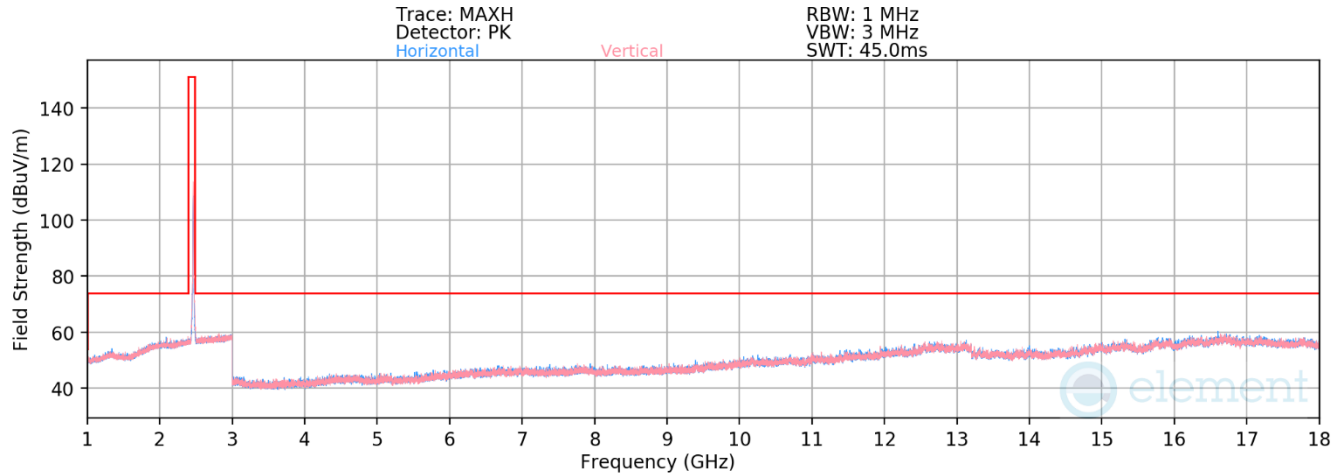
Plot 7-144. Radiated Spurious Emissions above 1GHz Antenna 1 Dedicated (802.11b – Ch. 6)

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]	Duty Cycle Correction [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4874.00	Average	H	176	352	-75.34	6.99	0.54	39.19	53.98	-14.79
4874.00	Peak	H	176	352	-65.24	6.99	0.00	48.75	73.98	-25.23
7311.00	Average	V	385	2	-80.71	10.40	0.54	37.23	53.98	-16.75
7311.00	Peak	V	385	2	-69.69	10.40	0.00	47.71	73.98	-26.27
12185.00	Average	V	-	-	-83.36	18.70	0.00	42.34	53.98	-11.64
12185.00	Peak	V	-	-	-71.92	18.70	0.00	53.78	73.98	-20.20

Table 7-61. Radiated Measurements Antenna 1 Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 140 of 246



Plot 7-145. Radiated Spurious Emissions above 1GHz Antenna 1 Dedicated (802.11b – Ch. 11)

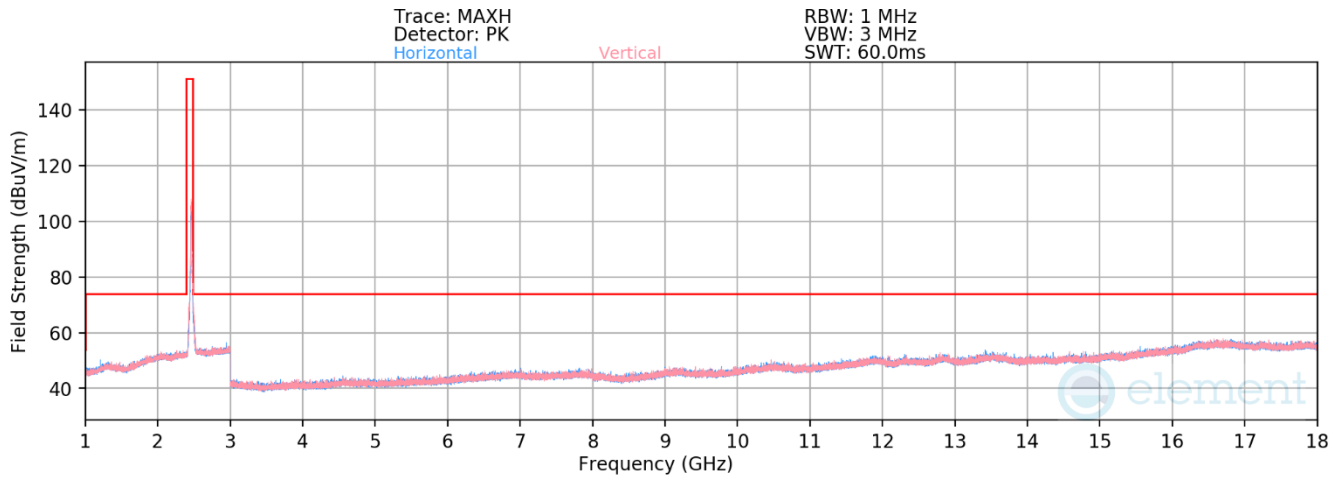
Mode:	802.11b
Data Rate:	11Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Average	H	171	337	-77.34	6.88	0.54	37.08	53.98	-16.90
4924.00	Peak	H	171	337	-67.01	6.88	0.00	46.87	73.98	-27.11
7386.00	Average	H	247	292	-77.47	10.30	0.54	40.37	53.98	-13.61
7386.00	Peak	H	247	292	-66.12	10.30	0.00	51.18	73.98	-22.80
12310.00	Average	V	-	-	-83.69	18.62	0.00	41.93	53.98	-12.05
12310.00	Peak	V	-	-	-72.60	18.62	0.00	53.02	73.98	-20.96

Table 7-62. Radiated Measurements Antenna 1 Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 141 of 246

7.8.3 CDD Dedicated Radiated Spurious Emission Measurements



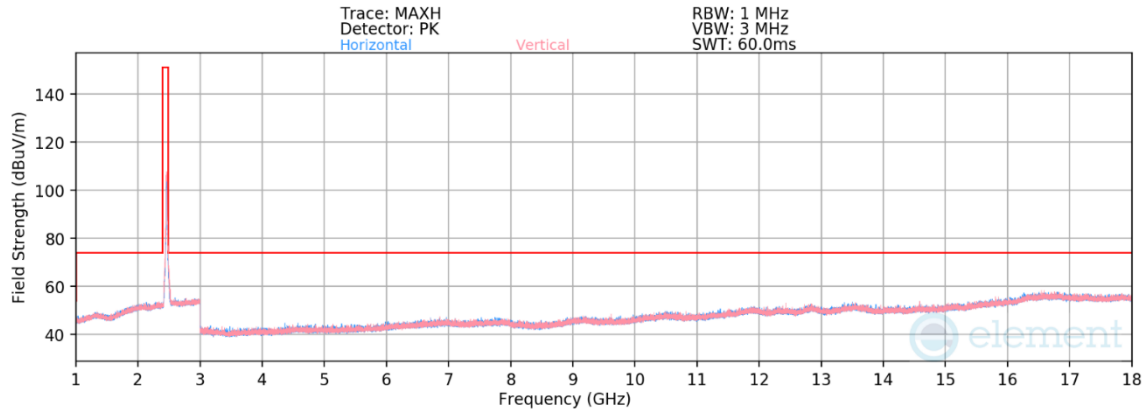
Plot 7-146. Radiated Spurious Emissions above 1GHz CDD Dedicated (802.11n – Ch. 1)

Mode:	802.11n
Data Rate:	MCS10
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

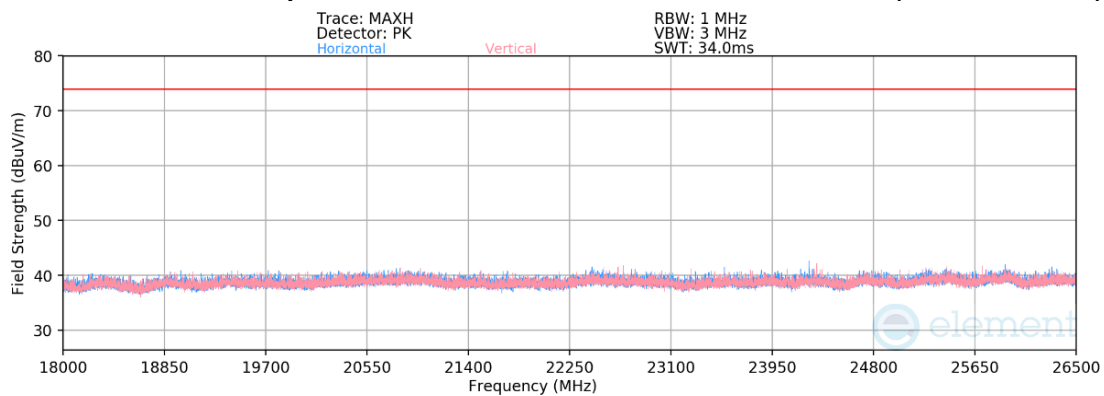
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Average	V	-	-	-80.78	6.66	32.89	53.98	-21.09
4824.00	Peak	V	-	-	-69.39	6.61	44.22	73.98	-29.76
12060.00	Average	H	-	-	-83.09	15.65	39.57	53.98	-14.41
12060.00	Peak	H	-	-	-71.55	15.65	51.11	73.98	-22.87
14472.00	Average	H	-	-	-83.92	18.22	41.30	53.98	-12.68
14472.00	Peak	H	-	-	-72.74	18.11	52.37	68.23	-15.86

Table 7-63. Radiated Measurements CDD Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 142 of 246



Plot 7-147. Radiated Spurious Emissions above 1GHz CDD Dedicated (802.11n – Ch. 6)



Plot 7-148. Radiated Spurious Emissions above 18GHz CDD Dedicated (802.11n – Ch.6)

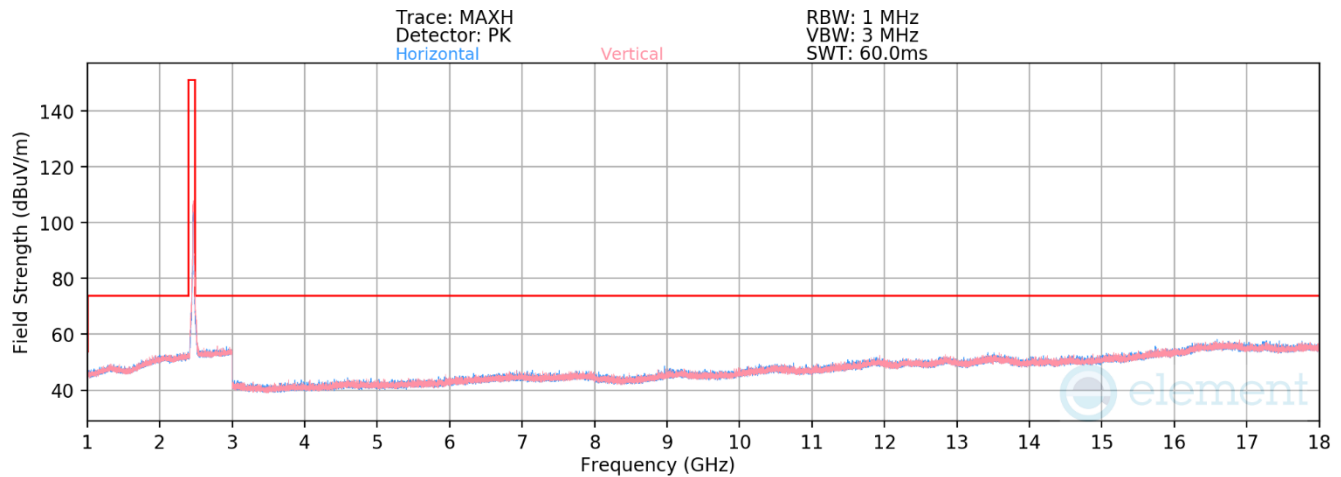
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 143 of 246

Mode: 802.11n
 Data Rate: MCS10
 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]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	H	-	-	-80.68	6.58	0.00	32.90	53.98	-21.08
4874.00	Peak	H	-	-	-69.67	6.56	0.00	43.89	73.98	-30.09
7311.00	Avg	H	265	252	-78.96	10.04	0.00	38.08	53.98	-15.90
7311.00	Peak	H	265	252	-67.26	10.04	0.00	49.78	73.98	-24.20
12185.00	Avg	H	-	-	-83.49	15.68	0.00	39.19	53.98	-14.79
12185.00	Peak	H	-	-	-72.44	15.79	0.00	50.35	73.98	-23.63
19496.00	Avg	H	-	-	-61.82	-5.90	-9.54	29.74	53.98	-24.24
19496.00	Peak	H	-	-	-50.85	-5.94	-9.54	40.67	73.98	-33.31

Table 7-64. Radiated Measurements CDD Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 144 of 246



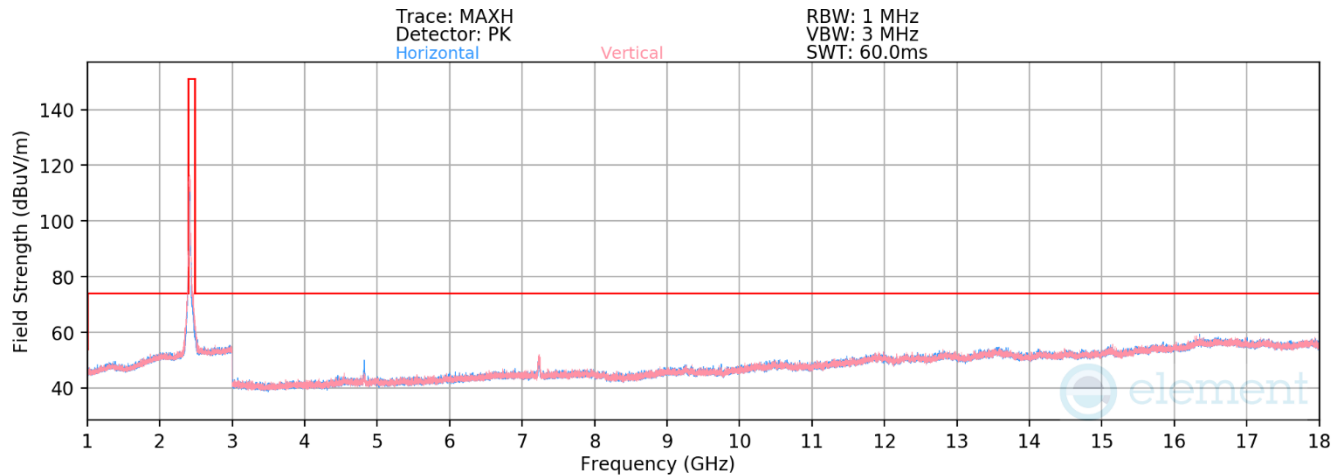
Plot 7-149. Radiated Spurious Emissions above 1GHz CDD Dedicated (802.11n – Ch. 11)

Mode: 802.11n
Data Rate: MCS10
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	Average	V	-	-	-80.84	6.70	32.86	53.98	-21.12
4924.00	Peak	V	-	-	-69.54	6.70	44.16	73.98	-29.82
7386.00	Average	H	251	258	-79.95	10.03	37.08	53.98	-16.90
7386.00	Peak	H	251	258	-67.85	10.03	49.18	73.98	-24.80
12310.00	Average	H	-	-	-83.67	16.37	39.70	53.98	-14.28
12310.00	Peak	H	-	-	-71.11	16.19	52.08	73.98	-21.90

Table 7-65. Radiated Measurements CDD Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 145 of 246



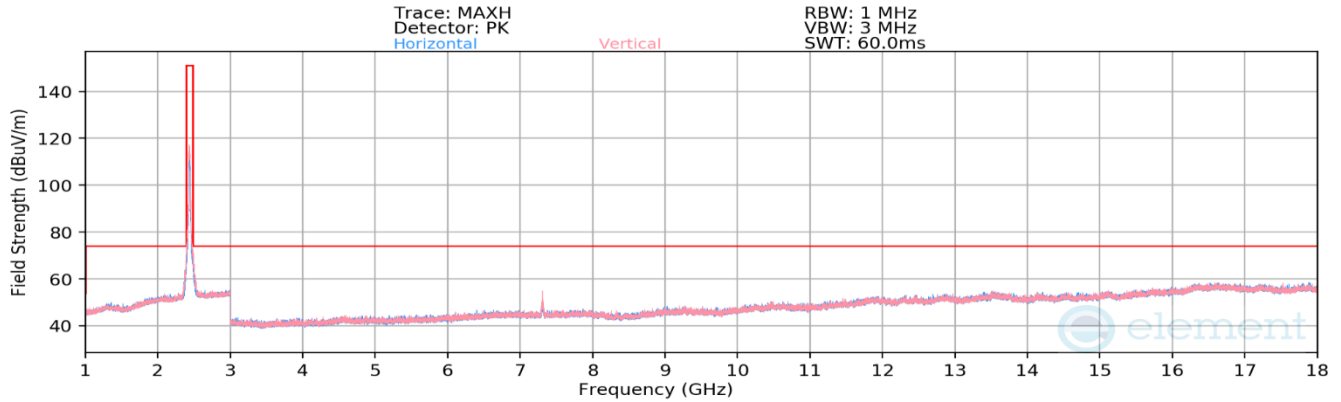
Plot 7-150. Radiated Spurious Emissions above 1GHz CDD Dedicated (802.11ax (SU) – Ch. 1)

Mode: 802.11ax (SU)
Data Rate: MCS2
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 01

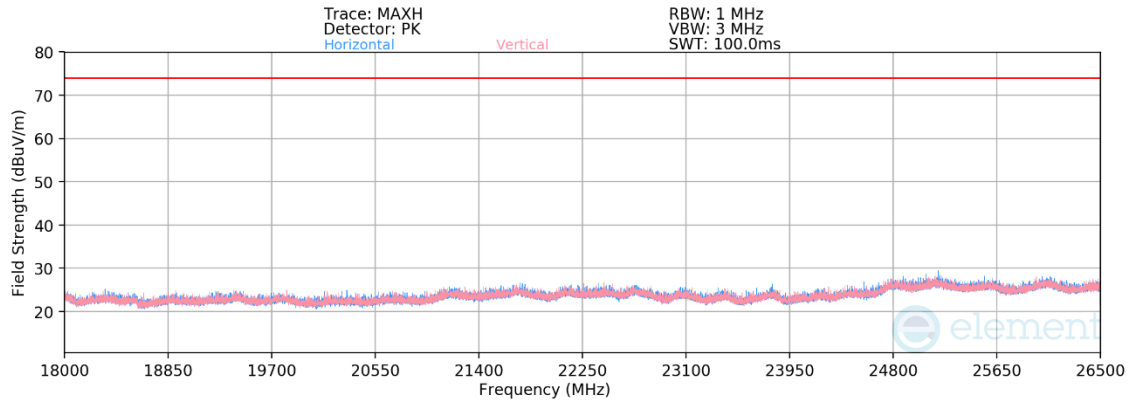
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Average	H	210	332	-73.93	6.68	39.76	53.98	-14.22
4824.00	Peak	H	210	332	-63.59	6.68	50.10	73.98	-23.88
12060.00	Average	V	-	-	-83.01	16.59	40.57	53.98	-13.41
12060.00	Peak	V	-	-	-71.96	16.59	51.63	73.98	-22.35
14472.00	Average	V	-	-	-84.01	20.00	42.99	53.98	-10.99
14472.00	Peak	V	-	-	-72.90	20.00	54.09	73.98	-19.89

Table 7-66. Radiated Measurements CDD Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 146 of 246



Plot 7-151. Radiated Spurious Emissions above 1GHz CDD Dedicated (802.11ax (SU) – Ch. 6)



Plot 7-152. Radiated Spurious Emissions above 18GHz CDD Dedicated (802.11ax (SU) – Ch.6)

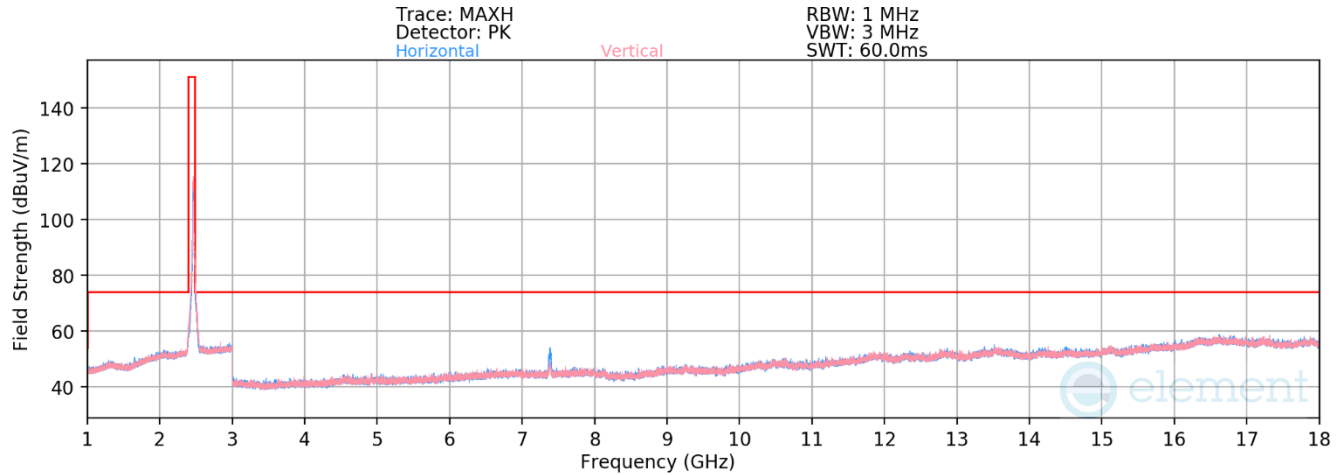
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 147 of 246

Mode: 802.11ax (SU)
 Data Rate: MCS2
 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]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	H	176	351	-77.30	6.47	0.00	36.17	53.98	-17.81
4874.00	Peak	H	176	351	-66.52	6.47	0.00	46.95	73.98	-27.03
7311.00	Avg	H	252	250	-76.46	10.07	0.00	40.61	53.98	-13.37
7311.00	Peak	H	252	250	-62.26	9.98	0.00	54.72	73.98	-19.26
12185.00	Avg	H	-	-	-83.64	16.76	0.00	40.12	53.98	-13.86
12185.00	Peak	H	-	-	-72.72	16.86	0.00	51.14	73.98	-22.84
19496.00	Avg	H	-	-	-61.77	-5.90	-9.54	29.79	53.98	-24.19
19496.00	Peak	H	-	-	-51.10	-5.94	-9.54	40.42	73.98	-33.56

Table 7-67. Radiated Measurements CDD Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 148 of 246



Plot 7-153. Radiated Spurious Emissions above 1GHz CDD Dedicated (802.11ax (SU) – Ch. 11)

Mode: 802.11ax (SU)
Data Rate: MCS2
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

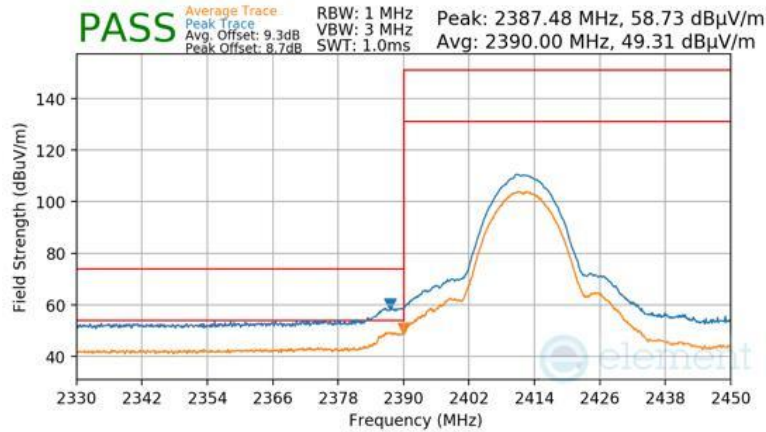
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Average	H	196	332	-76.09	6.55	37.46	53.98	-16.52
4924.00	Peak	H	196	332	-65.33	6.55	48.22	73.98	-25.76
7386.00	Average	H	262	261	-73.13	10.14	44.01	53.98	-9.97
7386.00	Peak	H	262	261	-61.47	10.14	55.67	73.98	-18.31
12310.00	Average	H	-	-	-83.43	17.34	40.90	53.98	-13.08
12310.00	Peak	H	-	-	-72.20	17.20	52.00	73.98	-21.98

Table 7-68. Radiated Measurements CDD Dedicated

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 149 of 246

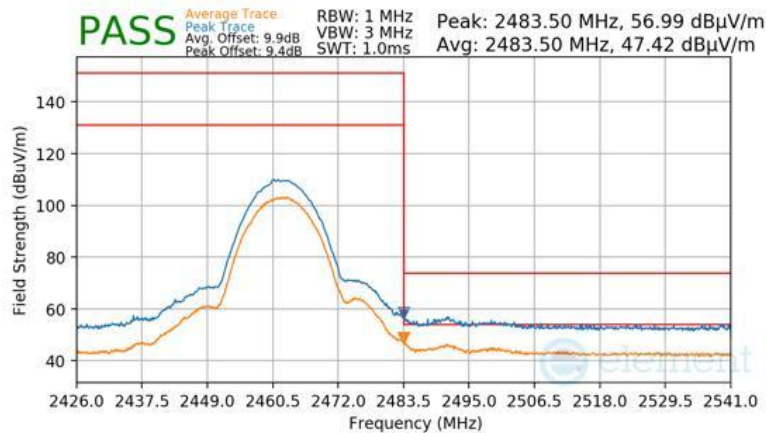
7.8.4 Antenna 0 Common Radiated Restricted Band Edge Measurements

Mode	802.11b
Data Rate	11Mbps
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



Plot 7-154 Radiated Restricted Lower Band Edge Measurement Antenna 0 Common

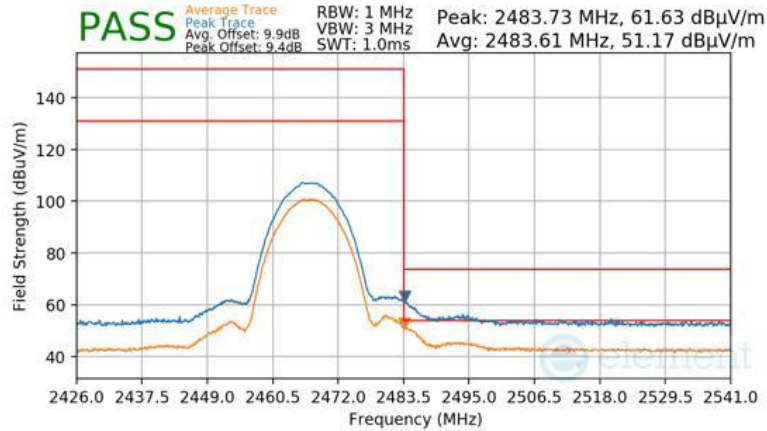
Mode	802.11b
Data Rate	11Mbps
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



Plot 7-155 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

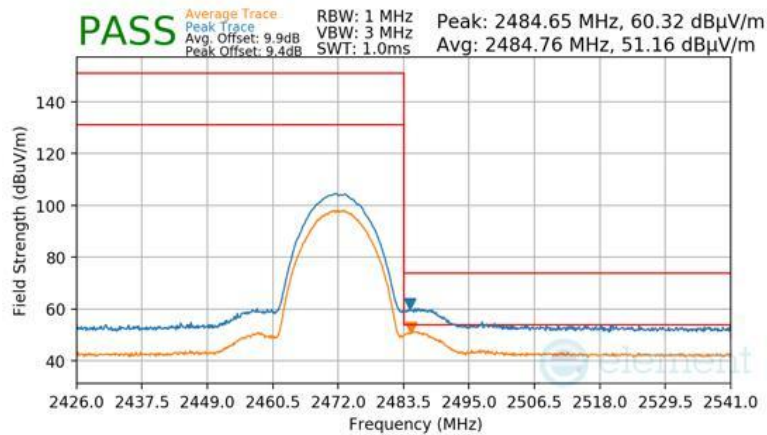
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 150 of 246

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



Plot 7-156 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

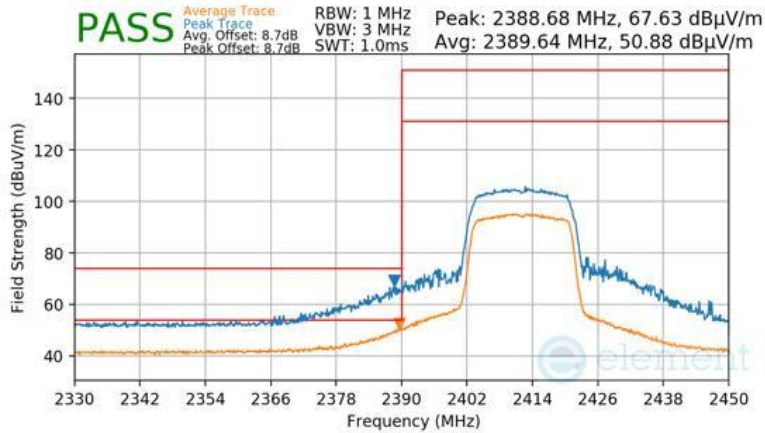
Mode	802.11b
Data Rate	11Mbps
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



Plot 7-157 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

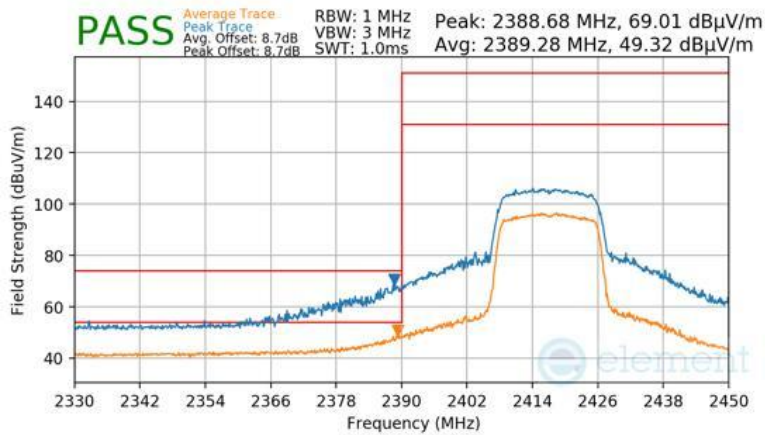
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 151 of 246

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



Plot 7-158 Radiated Restricted Lower Band Edge Measurement Antenna 0 Common

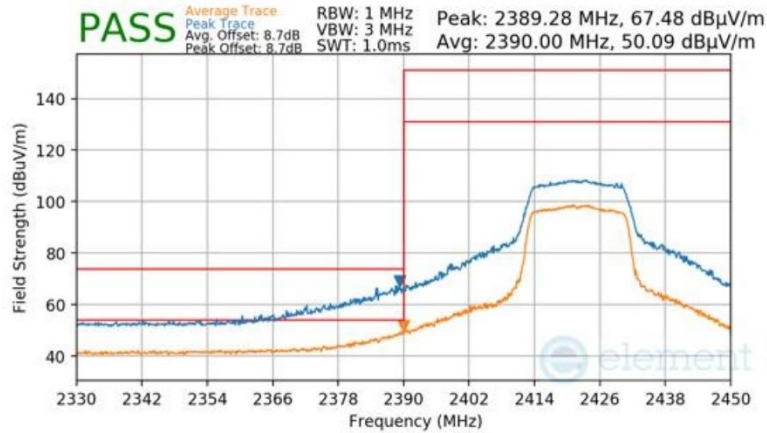
Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



Plot 7-159 Radiated Restricted Lower Band Edge Measurement Antenna 0 Common

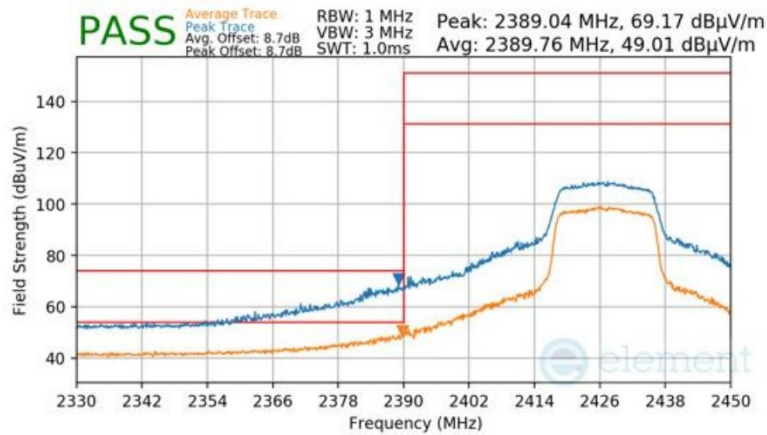
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 152 of 246

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



Plot 7-160 Radiated Restricted Lower Band Edge Measurement Antenna 0 Common

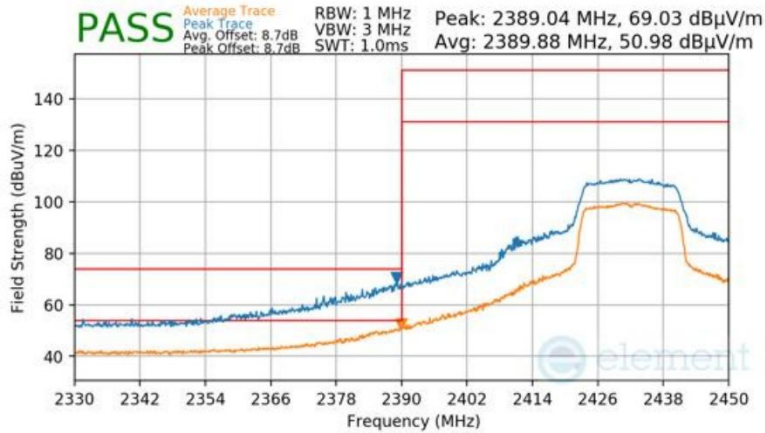
Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



Plot 7-161 Radiated Restricted Lower Band Edge Measurement Antenna 0 Common

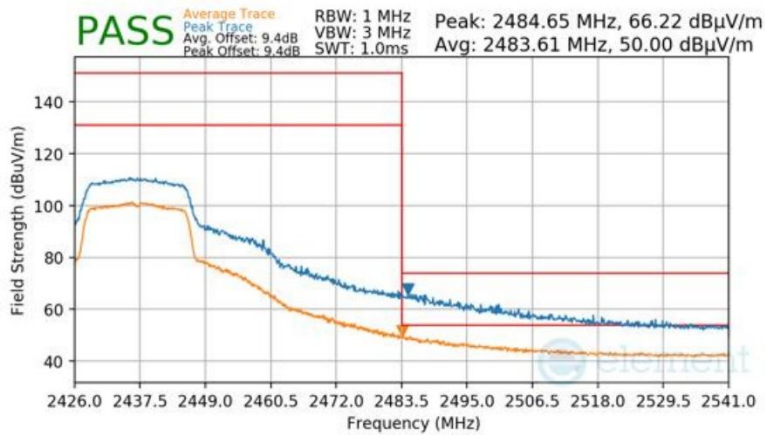
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 153 of 246

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



Plot 7-162 Radiated Restricted Lower Band Edge Measurement Antenna 0 Common

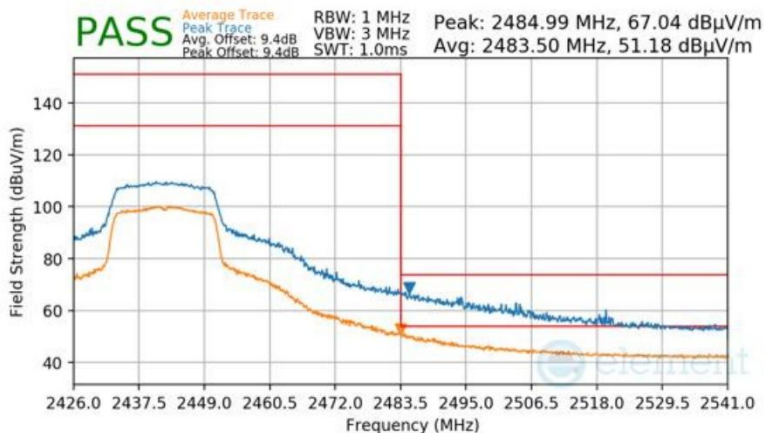
Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



Plot 7-163 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

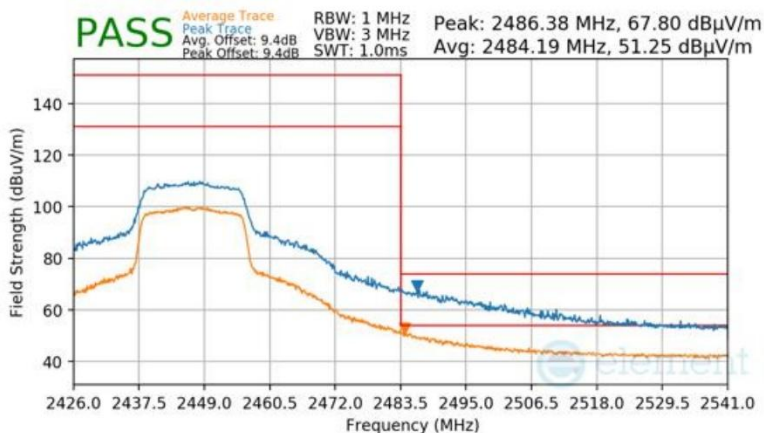
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 154 of 246

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



Plot 7-164 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

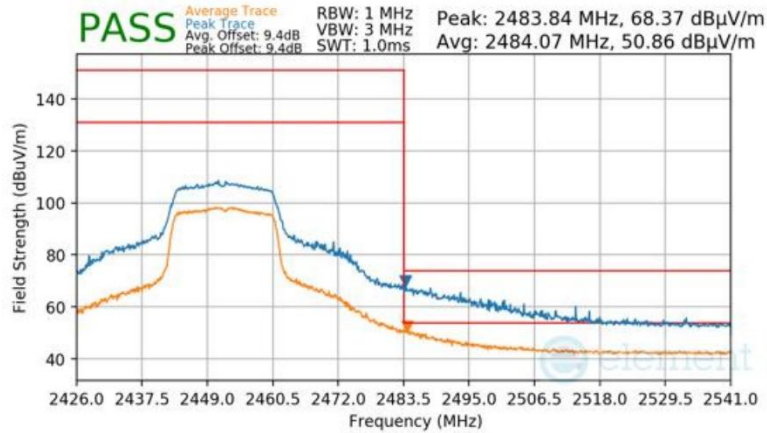
Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



Plot 7-165 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

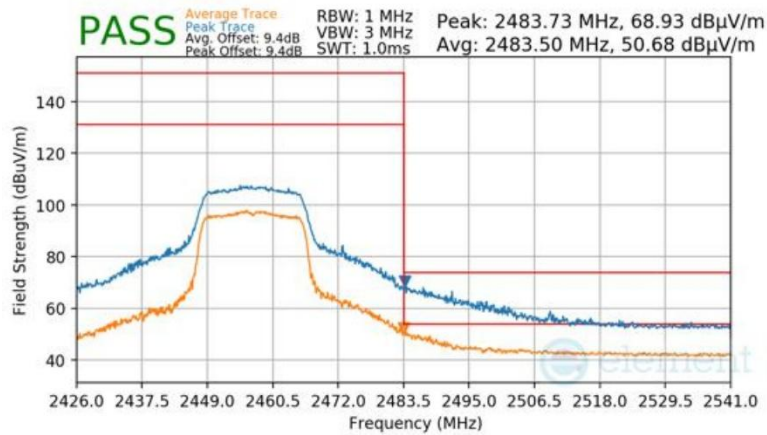
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 155 of 246

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



Plot 7-166 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

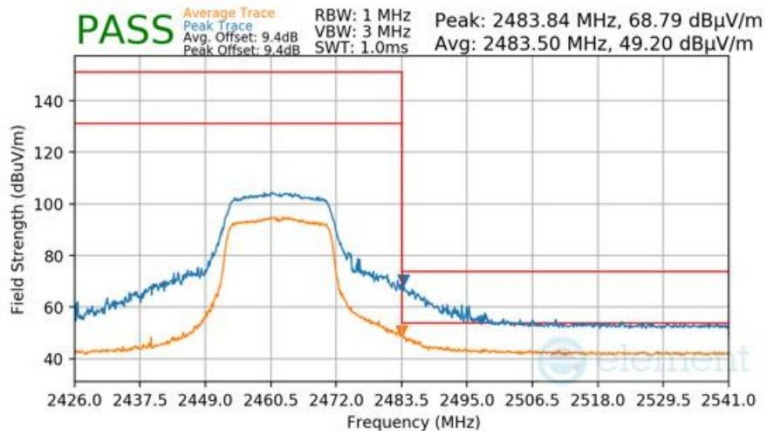
Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



Plot 7-167 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

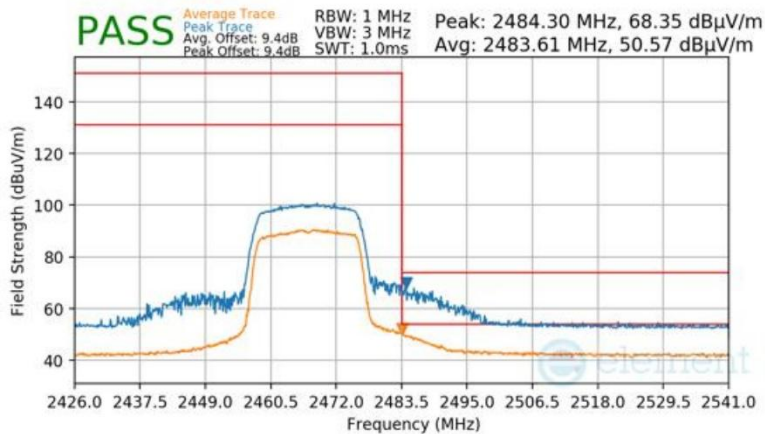
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 156 of 246

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



Plot 7-168 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

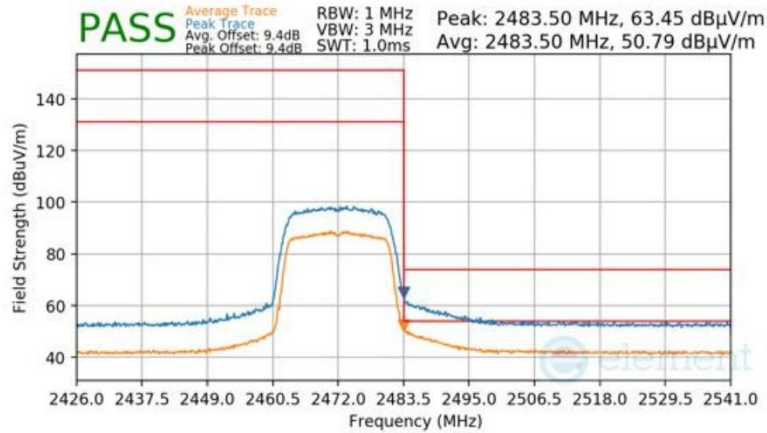
Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



Plot 7-169 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

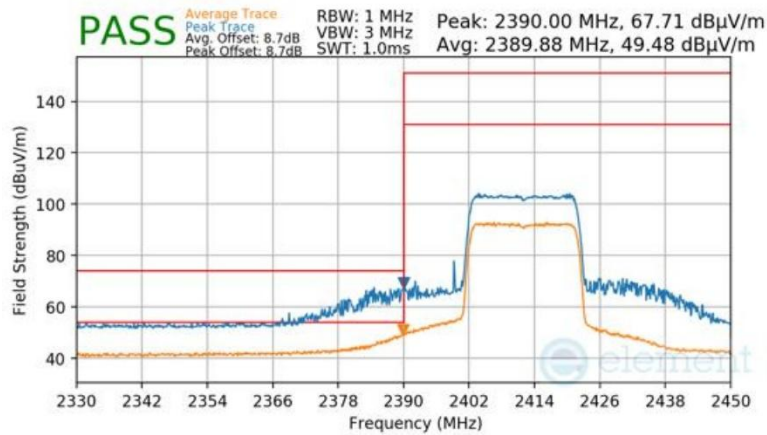
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 157 of 246

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



Plot 7-170 Radiated Restricted Upper Band Edge Measurement Antenna 0 Common

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



Plot 7-171 Radiated Restricted Lower Band Edge Measurement Antenna 0 Common

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 11/26/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-04-R4.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 158 of 246