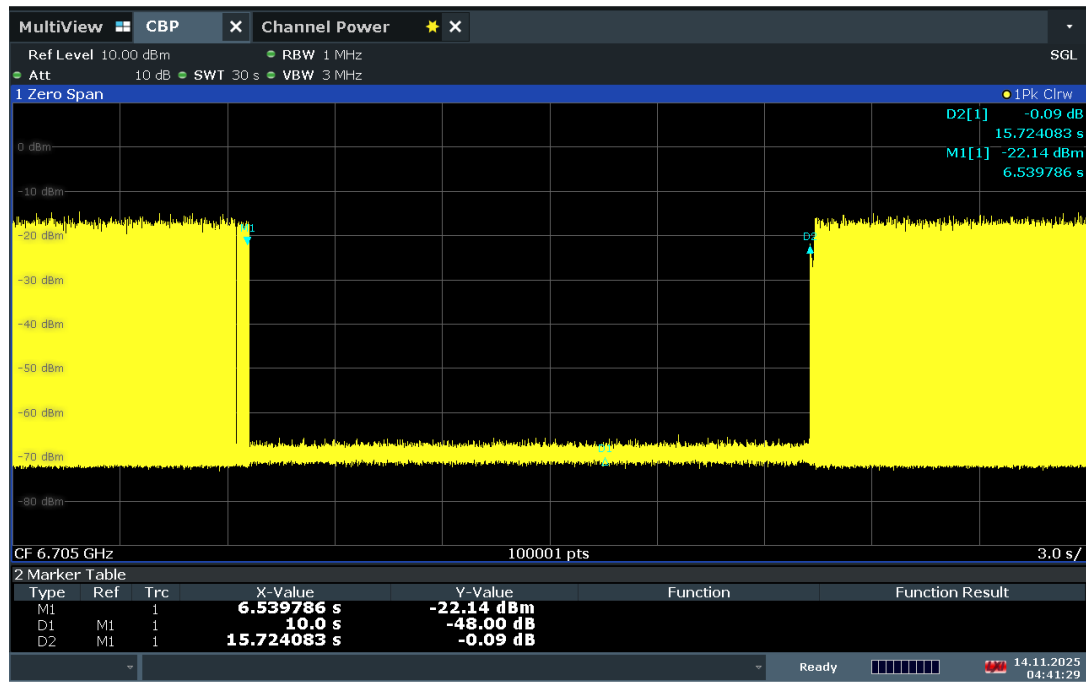


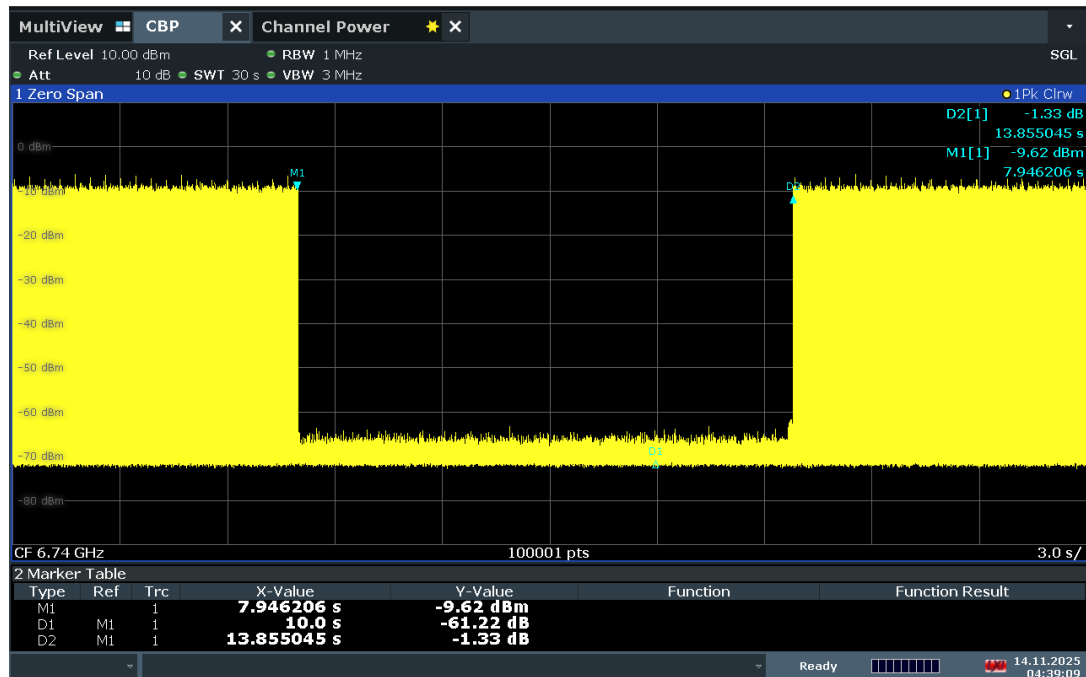
Peak



04:41:29 14.11.2025

Plot 7-238. Contention Based Protocol Timing Plot – UNII 7 – 80MHz Channel 151 – Mid

Peak

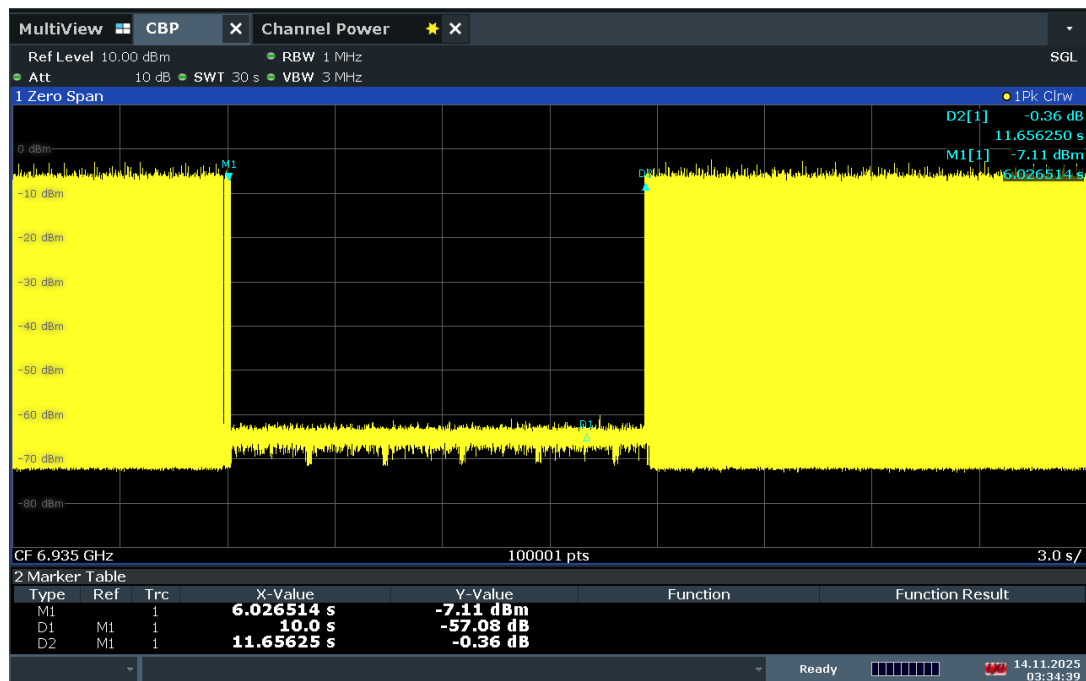


04:39:10 14.11.2025

Plot 7-239. Contention Based Protocol Timing Plot – UNII 7 – 80MHz Channel 151 – High

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 119 of 169

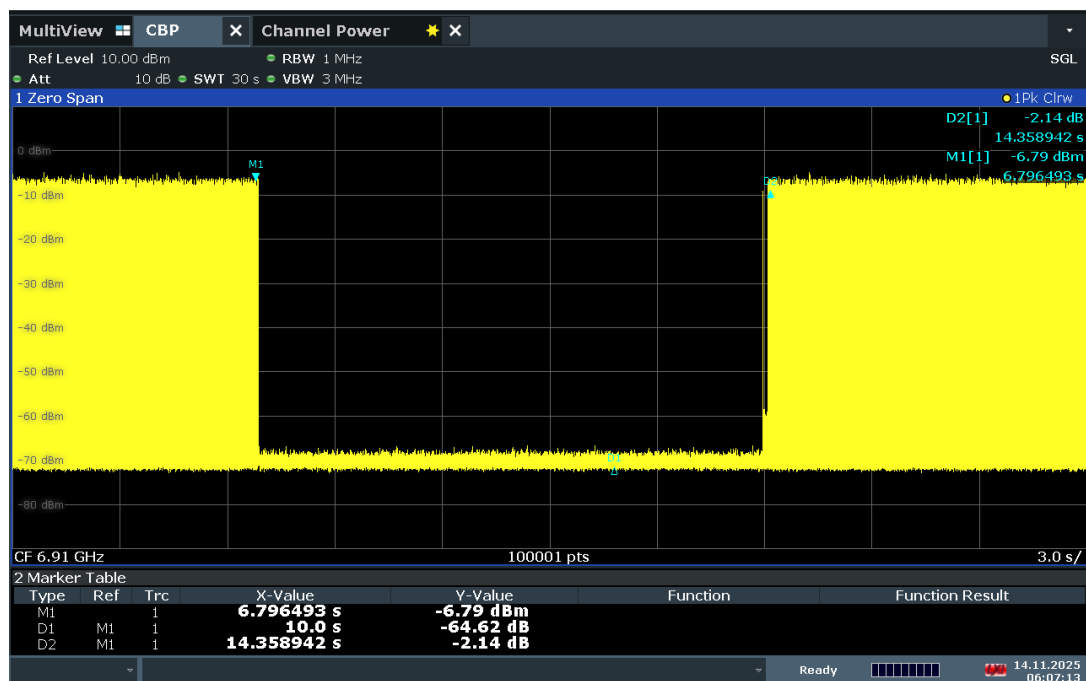
Peak



03:34:39 14.11.2025

Plot 7-240. Contention Based Protocol Timing Plot – UNII 8 – 20MHz Channel 197

Peak

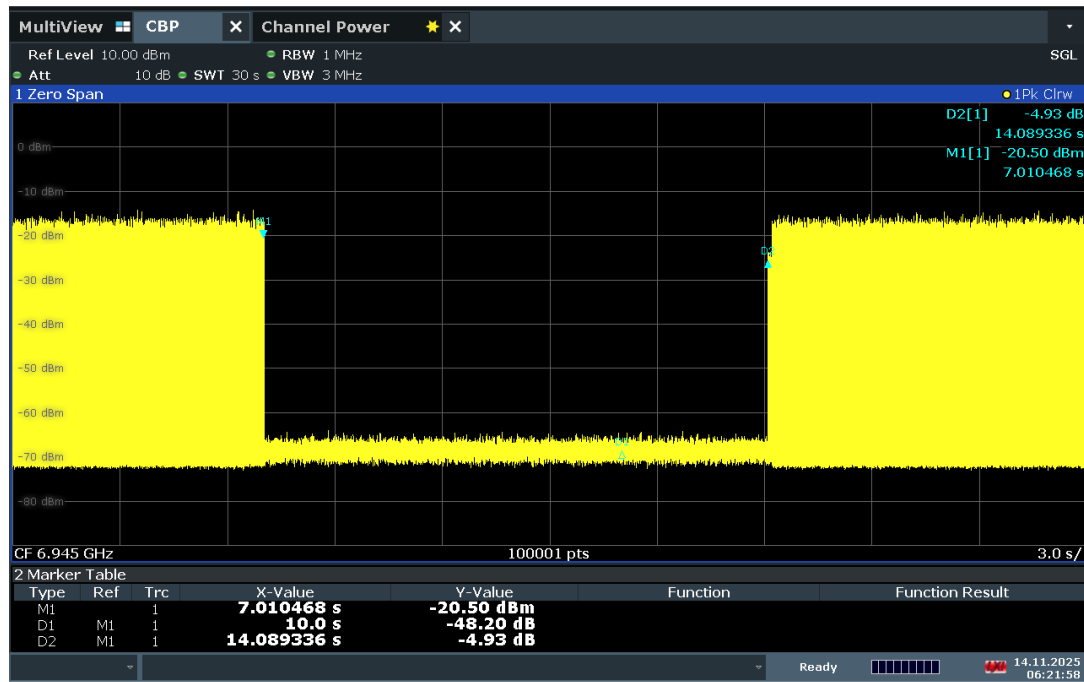


06:07:13 14.11.2025

Plot 7-241. Contention Based Protocol Timing Plot – UNII 8 – 80MHz Channel 199 – Low

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 120 of 169

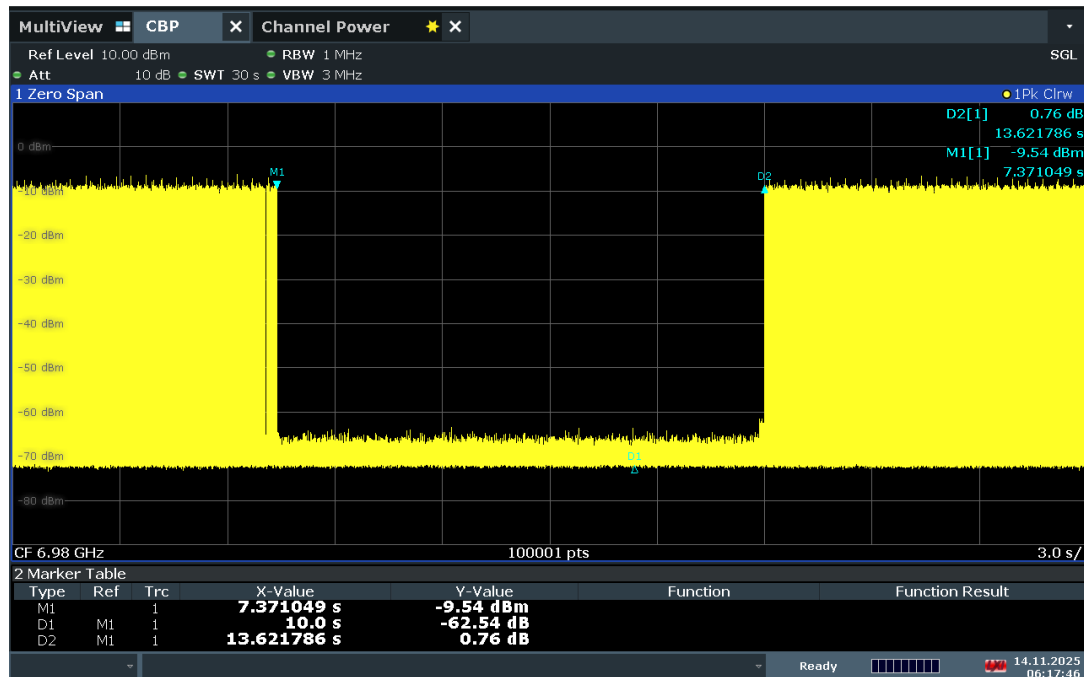
Peak



06:21:59 14.11.2025

Plot 7-242. Contention Based Protocol Timing Plot – UNII 8 – 80MHz Channel 199 – Mid

Peak



06:17:47 14.11.2025

Plot 7-243. Contention Based Protocol Timing Plot – UNII 8 – 80MHz Channel 199 – High

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 121 of 169

Bandwidth Reduction Plots

Peak



10:10:03 27.02.2026

Plot 7-244. 80MHz Bandwidth, AWGN Signal Injected – 6190Mhz

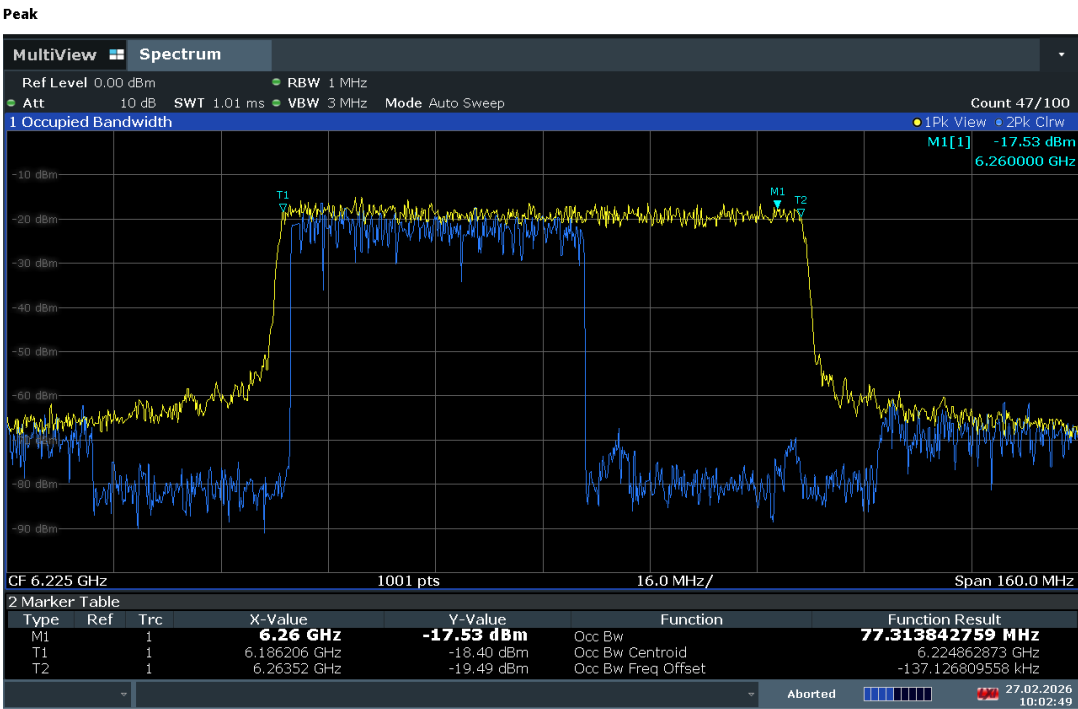
Peak



10:00:08 27.02.2026

Plot 7-245. 80MHz Bandwidth, AWGN Signal Injected – 6225MHz

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 122 of 169



10:02:50 27.02.2026

Plot 7-246. 80MHz Bandwidth, AWGN Signal Injected – 6260MHz

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 123 of 169

7.7 Radiated Spurious Emissions – Above 1GHz

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 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11ax(SU) (20MHz BW), 802.11ax(SU) (40MHz BW), 802.11ax(SU) (80MHz), 802.11ax(SU) (160MHz) and modulations/data rates were investigated among all UNII bands. 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 (7.4.3) as shown in the table below.

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-43. Radiated Limits

Test Procedures Used

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

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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Test Setup

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

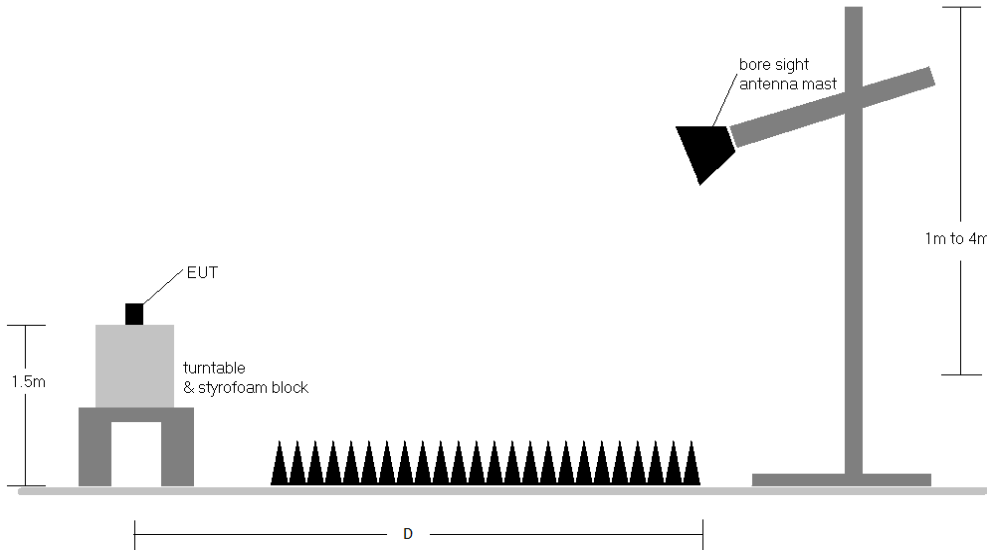


Figure 7-6. Test Instrument & Measurement Setup

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 125 of 169

Test Notes

1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and Section 7.5 of RSS-Gen are below the limit shown in Table 7-43.
2. All spurious emissions lying in restricted bands specified in §15.205 and Section 7.5 of RSS-Gen are below the limit shown in Table 7-43. 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 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. All data rates were investigated and only the worse case is reported
9. The unit was tested with all possible modes and only the highest emission is reported.
10. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
11. All radiated measurements were tested at the highest supported power setting per band.

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]

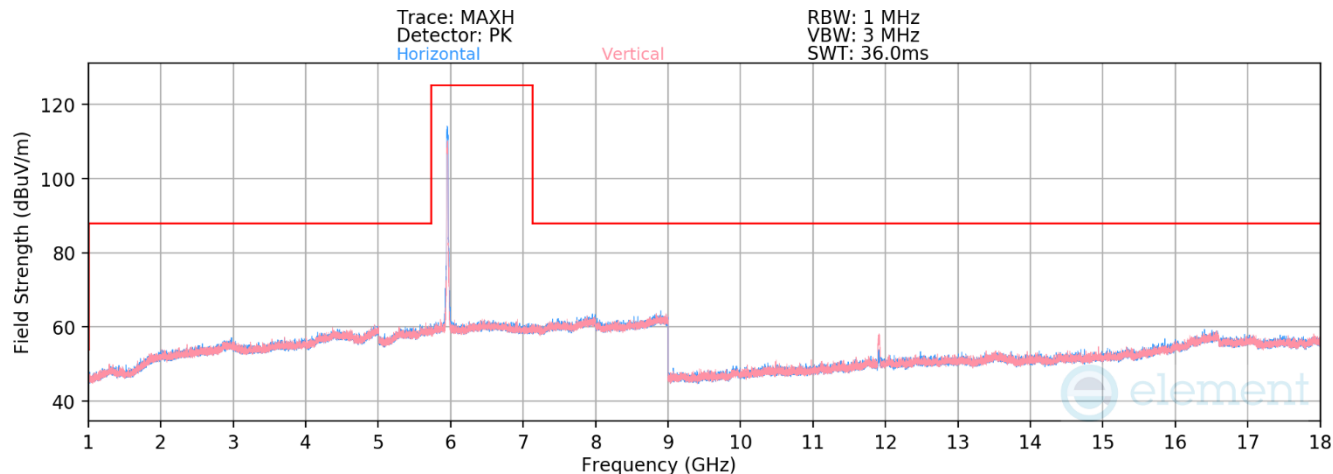
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.2 to 7.7.10 was calculated using the formula:

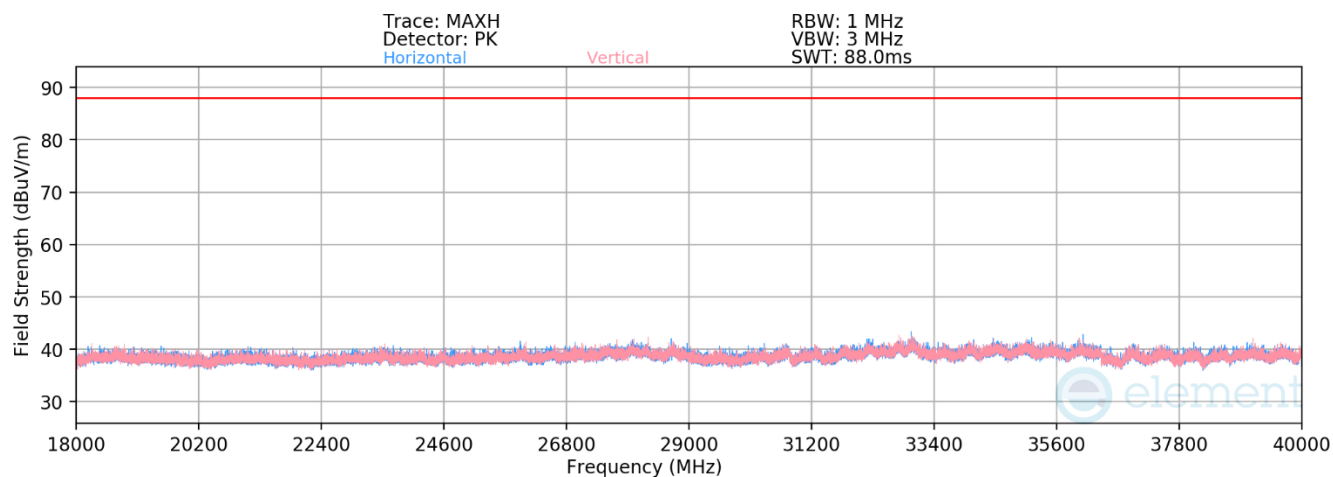
$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 126 of 169

7.7.1 CDD/SDM Radiated Spurious Emission



Plot 7-247. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 1)



Plot 7-248. Radiated Spurious Emissions 18-40GHz CDD (802.11ax – Ch. 1)

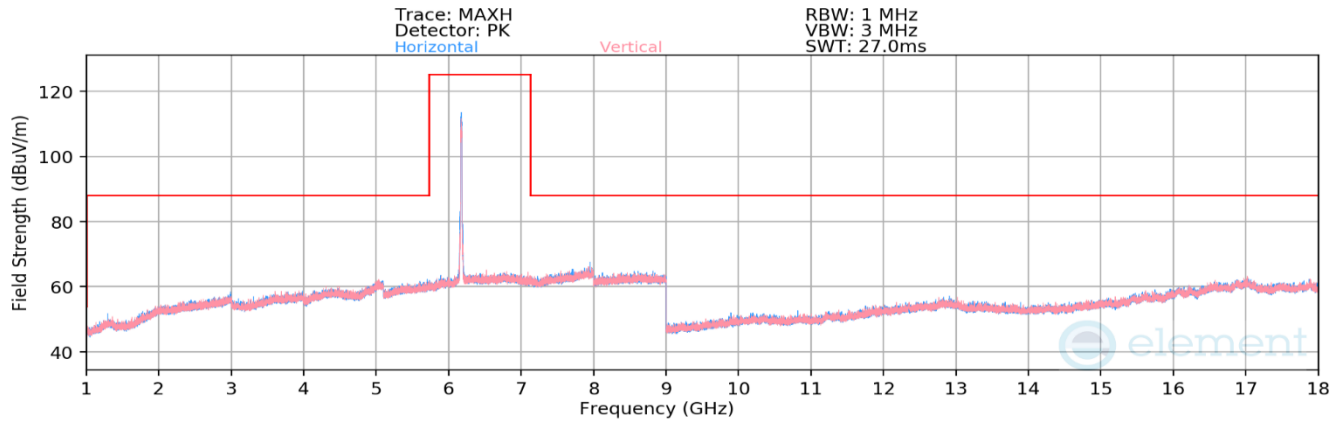
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 127 of 169

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1

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]
* 11910.00	Average	V	254	343	-73.55	16.48	0.00	49.93	53.98	-4.05
* 11910.00	Peak	V	254	343	-63.18	16.48	0.00	60.30	73.98	-13.68
* 17865.00	Average	V	-	-	-85.61	24.76	0.00	46.15	53.98	-7.83
* 17865.00	Peak	V	-	-	-74.13	25.00	0.00	57.87	73.98	-16.11
* 23820.00	Average	V	-	-	-61.86	-5.95	-9.54	29.64	53.98	-24.34
* 23820.00	Peak	V	-	-	-50.60	-6.03	-9.54	40.82	73.98	-33.16
29775.00	Average	V	-	-	-63.90	-4.55	-9.54	29.00	68.23	-39.23
29775.00	Peak	V	-	-	-52.00	-4.19	-9.54	41.27	88.23	-46.96
35730.00	Average	V	-	-	-62.06	-5.20	-9.54	30.19	68.23	-38.04
35730.00	Peak	V	-	-	-50.95	-5.20	-9.54	41.30	88.23	-46.93

Table 7-44. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 128 of 169



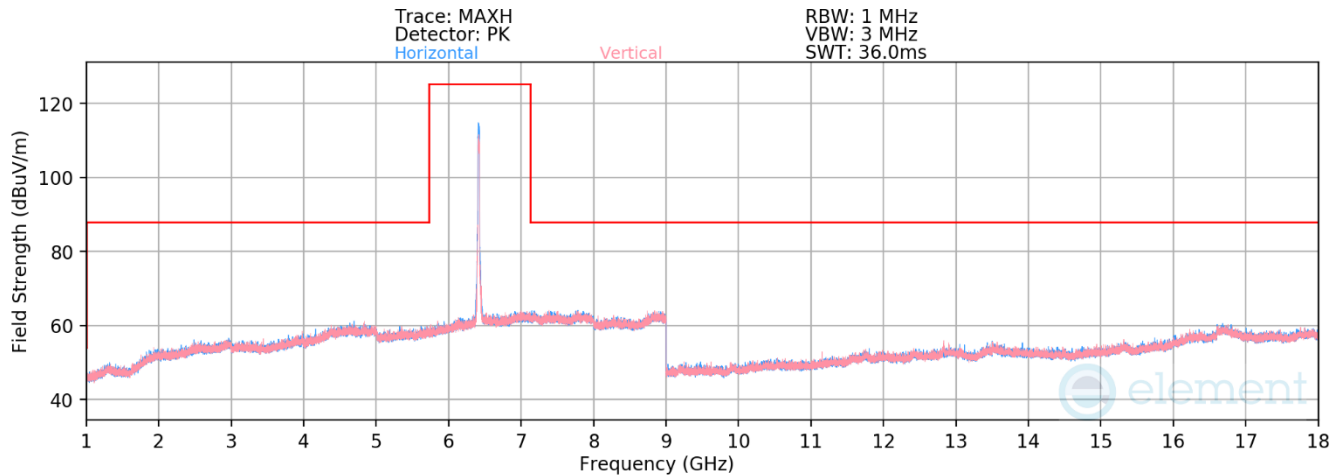
Plot 7-249. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 45)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6175MHz
 Channel: 45

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]
* 12350.00	Average	V	254	332	-81.13	20.81	46.68	53.98	-7.30
* 12350.00	Peak	V	254	332	-70.13	20.81	57.68	73.98	-16.30

Table 7-45. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 129 of 169



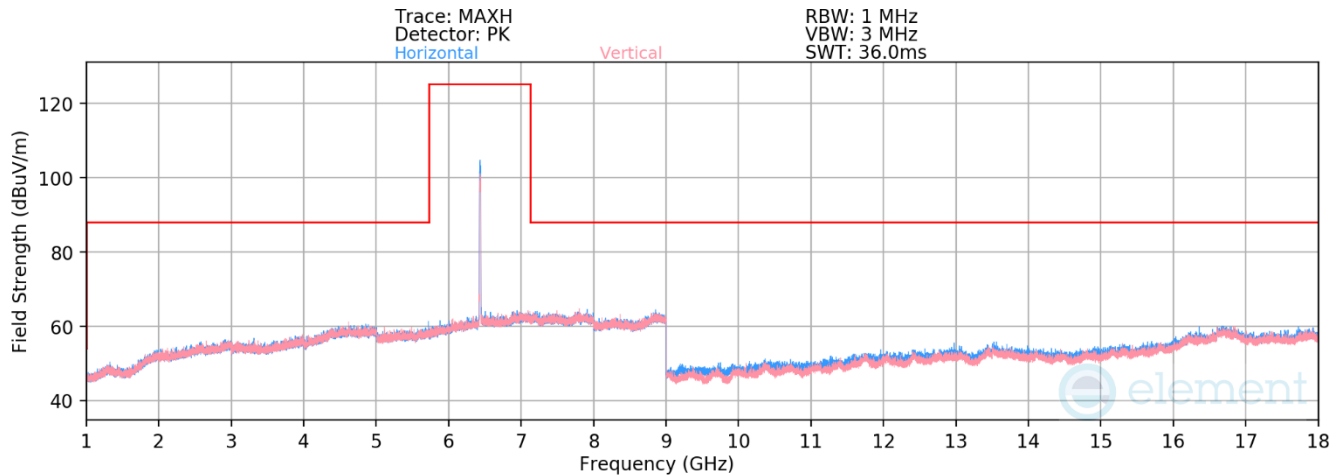
Plot 7-250. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 93)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6415MHz
Channel: 93

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]
12830.00	Average	V	252	126	-78.21	18.23	47.02	68.23	-21.21
12830.00	Peak	V	252	126	-67.10	18.23	58.13	88.23	-30.10

Table 7-46. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 130 of 169



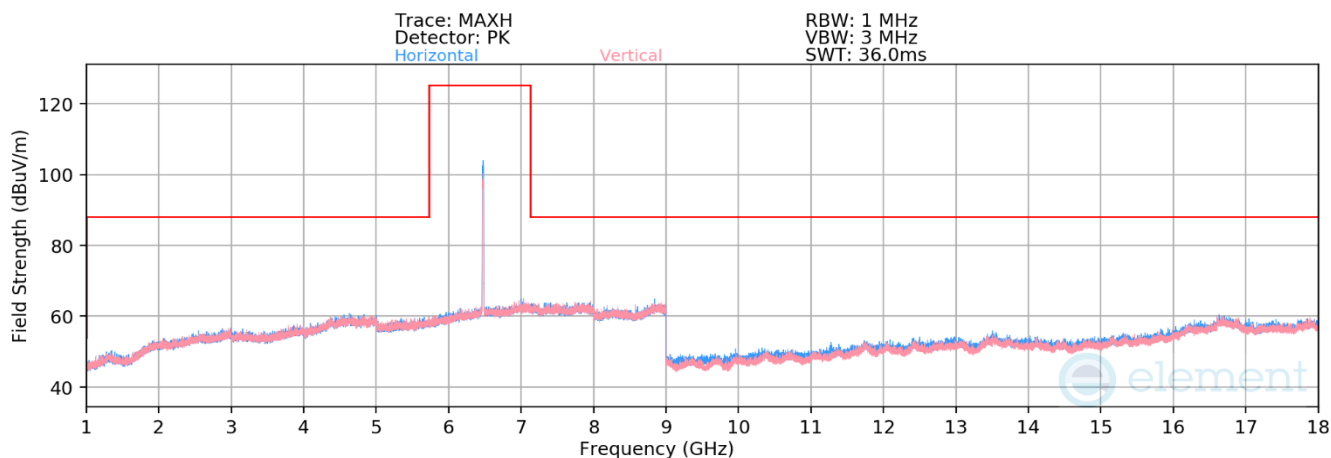
Plot 7-251. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 97)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6435MHz
Channel: 97

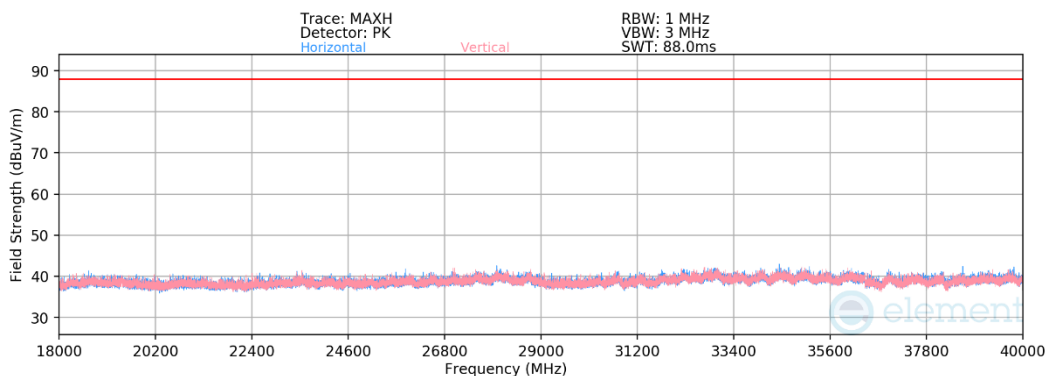
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
12870.00	Average	V	-	-	-82.71	18.40	42.69	68.23	-25.54
12870.00	Peak	V	-	-	-70.78	18.40	54.62	88.23	-33.61

Table 7-47. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 131 of 169



Plot 7-252. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 105)



Plot 7-253. Radiated Spurious Emissions 18-40GHz CDD (802.11ax – Ch. 105)

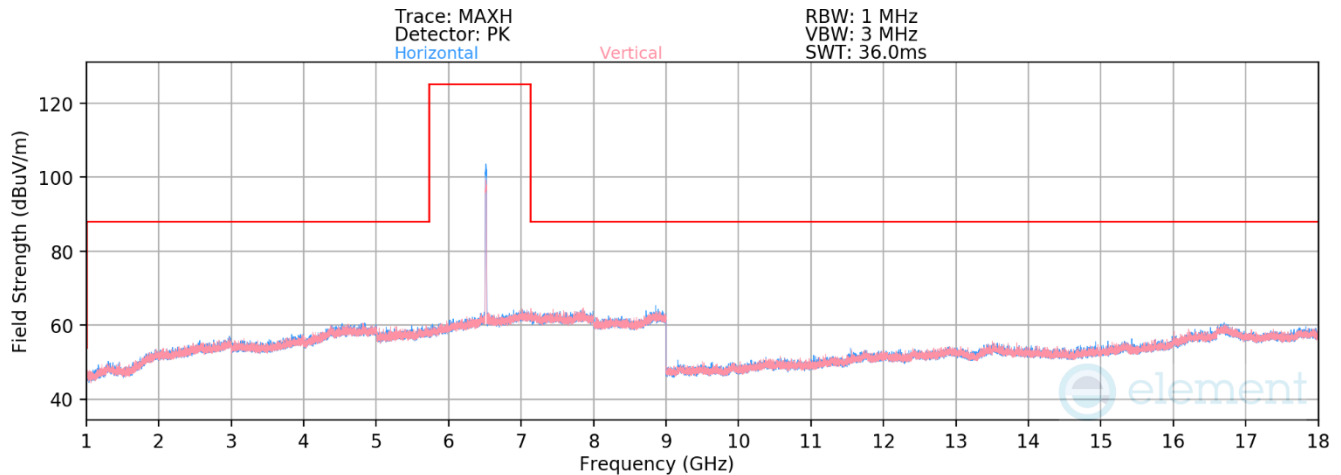
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 132 of 169

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6475MHz
 Channel: 105

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]
12950.00	Average	V	-	-	-82.57	18.37	0.00	42.80	68.23	-25.43
12950.00	Peak	V	-	-	-71.63	18.37	0.00	53.75	88.23	-34.48
* 19425.00	Average	H	-	-	-62.39	-5.77	-9.54	29.29	53.98	-24.69
* 19425.00	Peak	H	-	-	-51.22	-5.77	-9.54	40.47	73.98	-33.51
25900.00	Average	V	-	-	-61.86	-5.88	-9.54	29.72	68.23	-38.51
25900.00	Peak	V	-	-	-49.98	-5.88	-9.54	41.60	88.23	-46.63
32375.00	Average	H	-	-	-62.99	-3.85	-9.54	30.61	68.23	-37.62
32375.00	Peak	H	-	-	-51.70	-3.85	-9.54	41.91	88.23	-46.32

Table 7-48. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 133 of 169



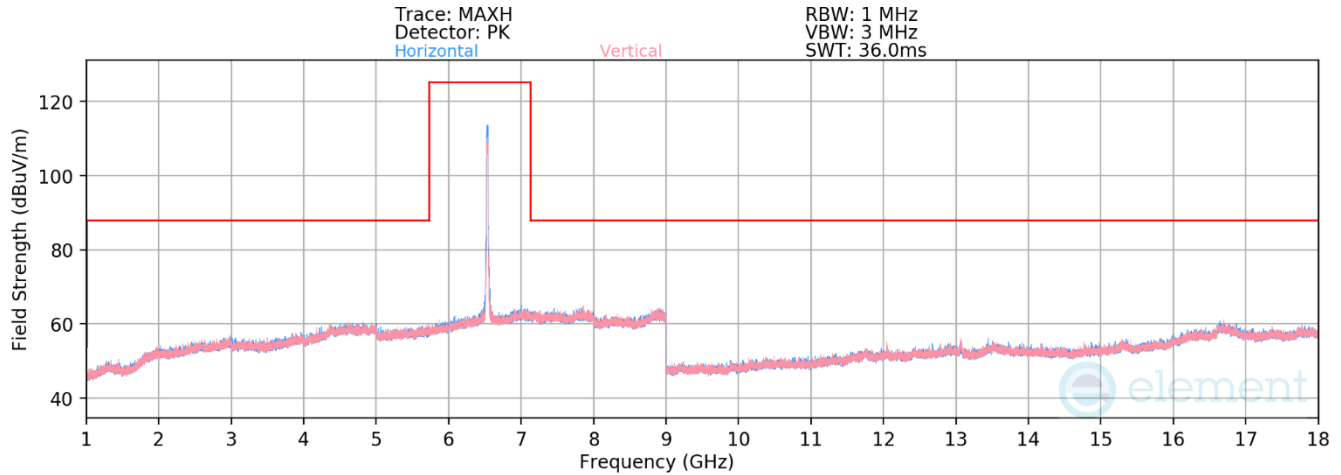
Plot 7-254. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 113)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6515MHz
Channel: 113

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]
13030.00	Average	V	-	-	-82.66	18.55	42.89	68.23	-25.34
13030.00	Peak	V	-	-	-71.72	18.55	53.83	88.23	-34.40

Table 7-49. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 134 of 169



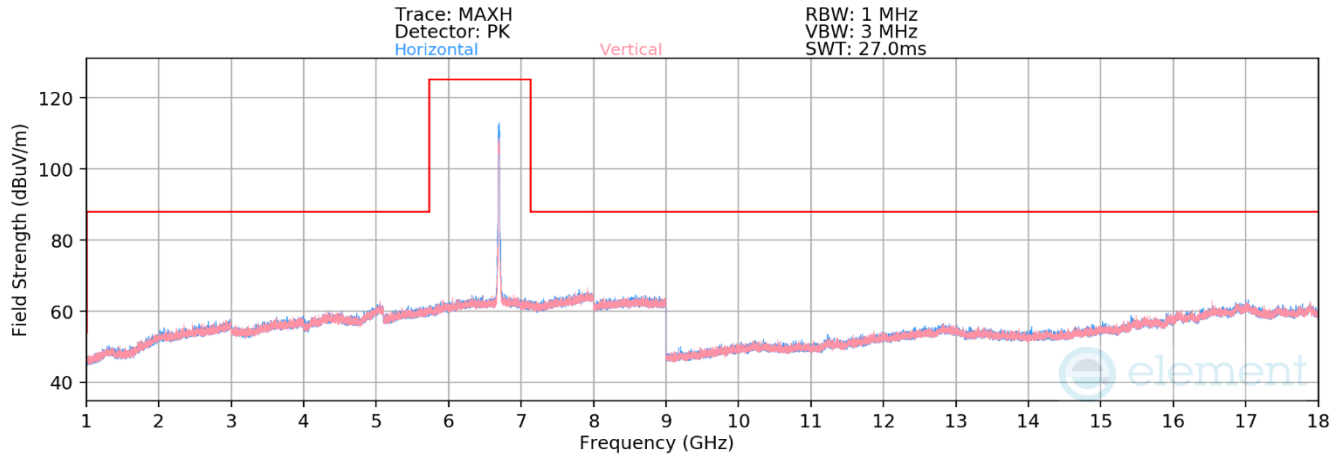
Plot 7-255. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 117)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6535MHz
Channel: 117

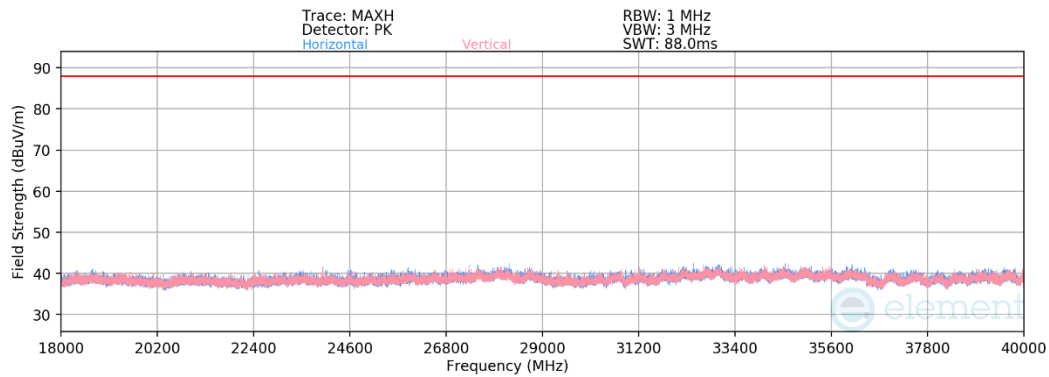
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13070.00	Average	V	201	54	-76.98	18.77	48.79	68.23	-19.44
13070.00	Peak	V	201	54	-66.99	18.77	58.78	88.23	-29.45

Table 7-50. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 135 of 169



Plot 7-256. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 149)



Plot 7-257. Radiated Spurious Emissions 18-40GHz CDD (802.11ax – Ch. 149)

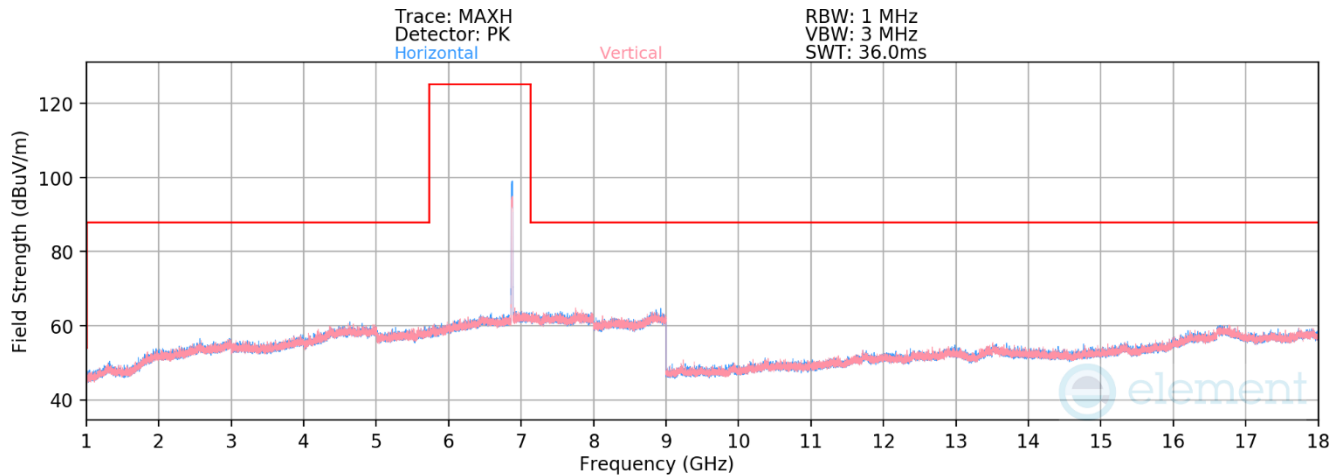
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 136 of 169

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6695MHz
 Channel: 149

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]
* 13390.00	Average	V	200	60	-82.16	21.77	0.00	46.60	53.98	-7.38
* 13390.00	Peak	V	200	60	-70.45	21.77	0.00	58.31	73.98	-15.67
* 20085.00	Average	V	-	-	-62.35	-6.26	-9.54	28.84	53.98	-25.14
* 20085.00	Peak	V	-	-	-50.73	-6.26	-9.54	40.47	73.98	-33.51
26780.00	Average	H	-	-	-61.97	-5.86	-9.54	29.64	68.23	-38.59
26780.00	Peak	H	-	-	-50.55	-5.86	-9.54	41.05	88.23	-47.18
33475.00	Average	V	-	-	-61.13	-4.38	-9.54	31.95	68.23	-36.28
33475.00	Peak	V	-	-	-49.97	-4.38	-9.54	43.11	88.23	-45.12

Table 7-51. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 137 of 169



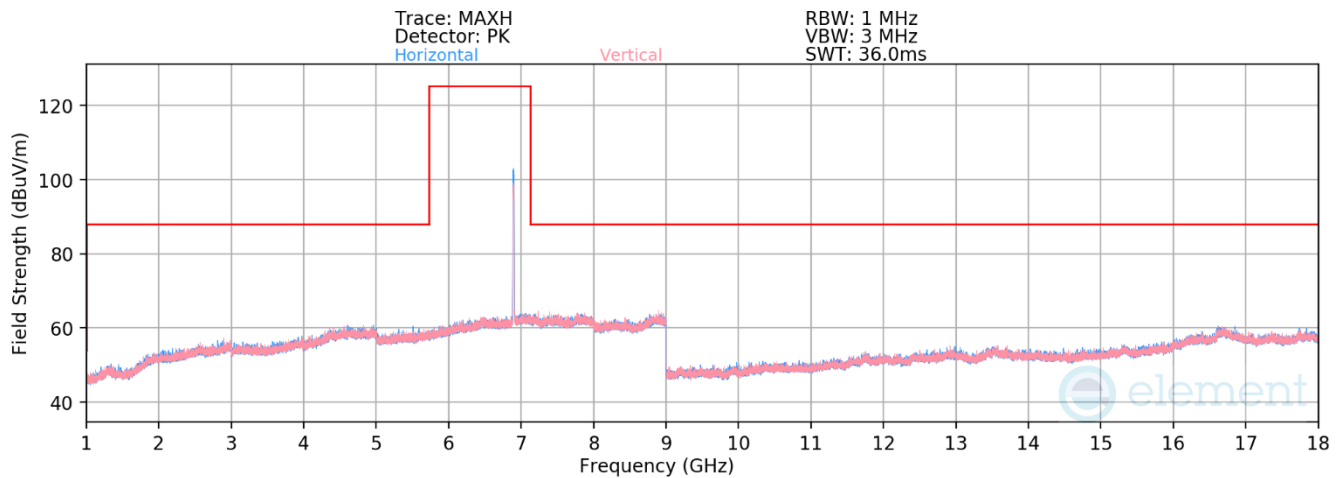
Plot 7-258. Radiated Spurious Emissions 1-18GHz CDD (802.11ax – Ch. 185)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6875MHz
Channel: 185

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]
13750.00	Average	V	-	-	-82.73	18.59	42.86	68.23	-25.37
13750.00	Peak	V	-	-	-71.01	18.59	54.58	88.23	-33.65

Table 7-52. Radiated Spurious Emission Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 138 of 169



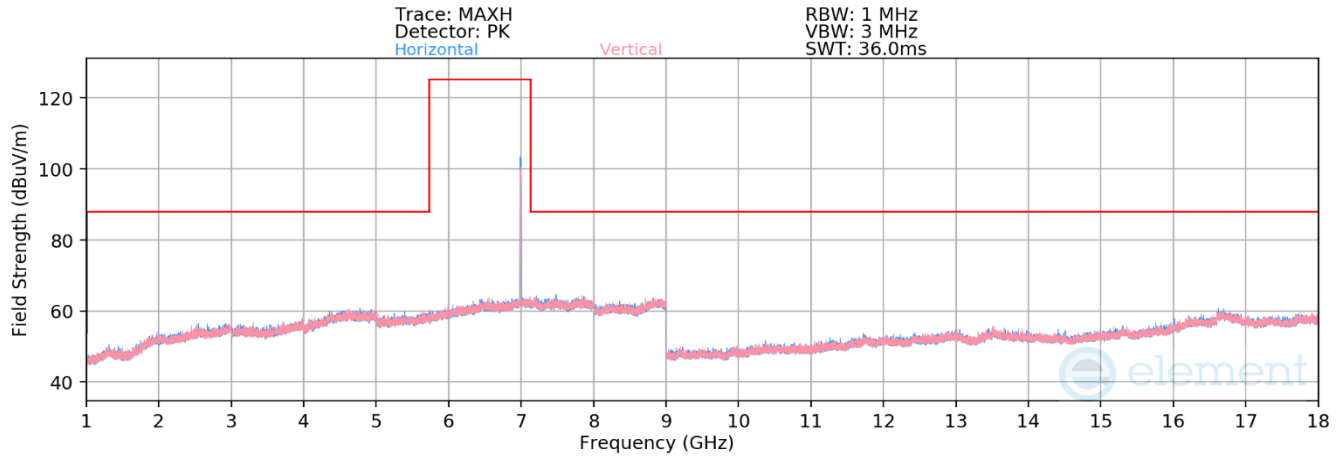
Plot 7-259. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 189)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6895MHz
Channel: 189

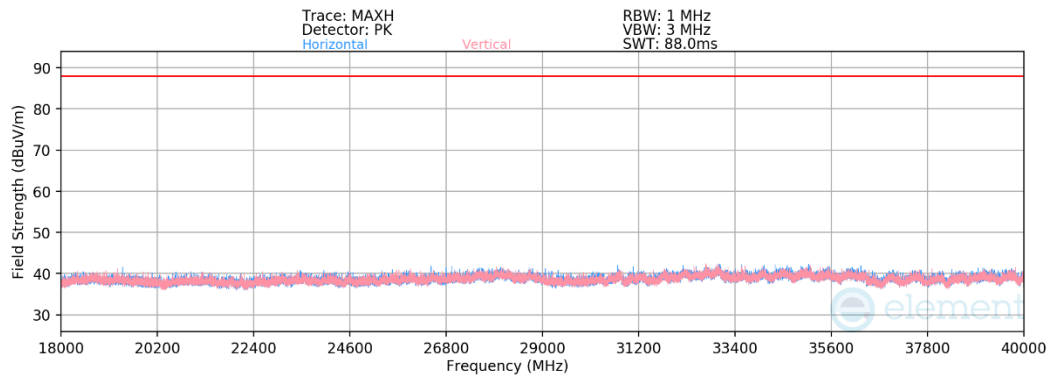
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13790.00	Average	V	-	-	-83.02	18.53	42.51	68.23	-25.72
13790.00	Peak	V	-	-	-71.47	18.53	54.07	88.23	-34.16

Table 7-53. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 139 of 169



Plot 7-260. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 209)



Plot 7-261. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 209)

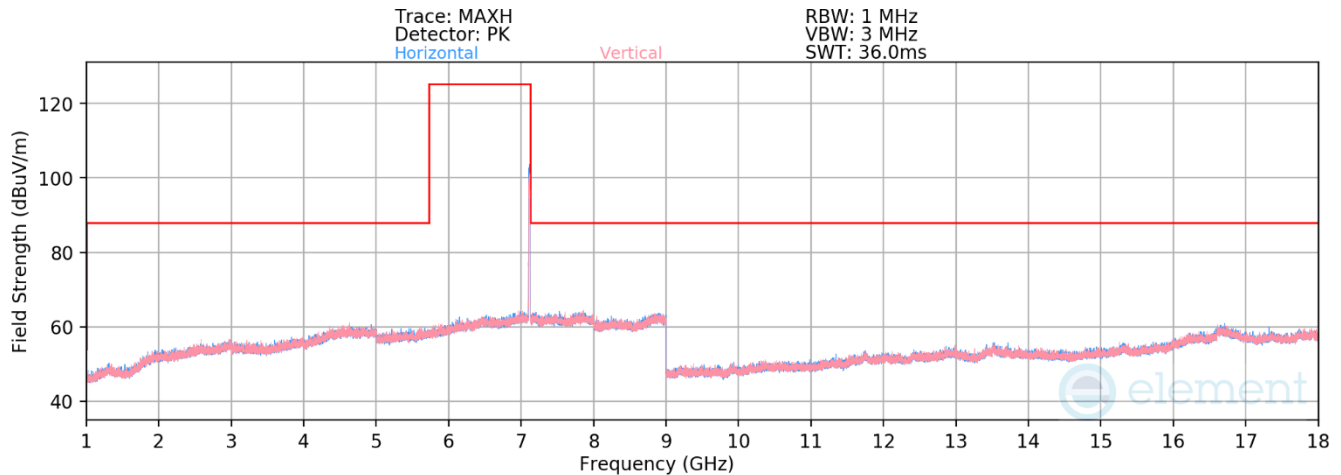
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 140 of 169

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6995MHz
 Channel: 209

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]
13990.00	Average	V	-	-	-82.35	18.35	0.00	43.00	68.23	-25.23
13990.00	Peak	V	-	-	-71.11	18.35	0.00	54.25	88.23	-33.98
* 20985.00	Average	V	-	-	-62.16	-5.98	-9.54	29.32	53.98	-24.66
* 20985.00	Peak	V	-	-	-50.63	-5.98	-9.54	40.85	73.98	-33.13
27980.00	Average	V	-	-	-62.41	-4.36	-9.54	30.70	68.23	-37.53
27980.00	Peak	V	-	-	-50.34	-4.36	-9.54	42.76	88.23	-45.47
34975.00	Average	V	-	-	-62.08	-4.44	-9.54	30.94	68.23	-37.29
34975.00	Peak	V	-	-	-50.59	-4.44	-9.54	42.43	88.23	-45.80

Table 7-54. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 141 of 169



Plot 7-262. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 233)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 7115MHz
Channel: 233

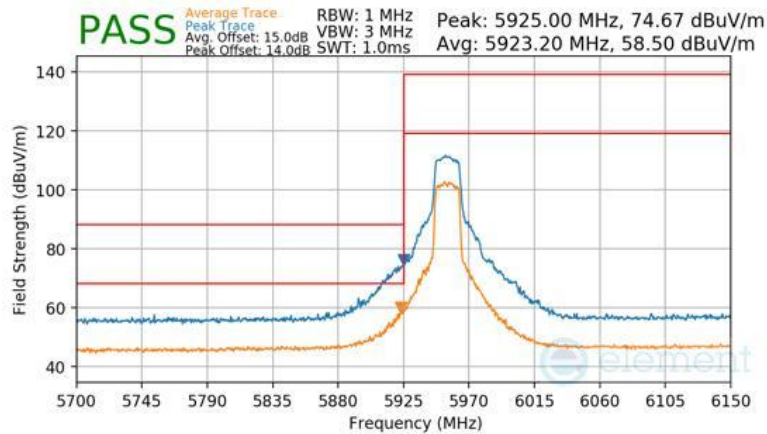
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
14230.00	Average	V	-	-	-82.88	18.46	42.59	68.23	-25.64
14230.00	Peak	V	-	-	-71.34	18.46	54.12	88.23	-34.11

Table 7-55. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 142 of 169

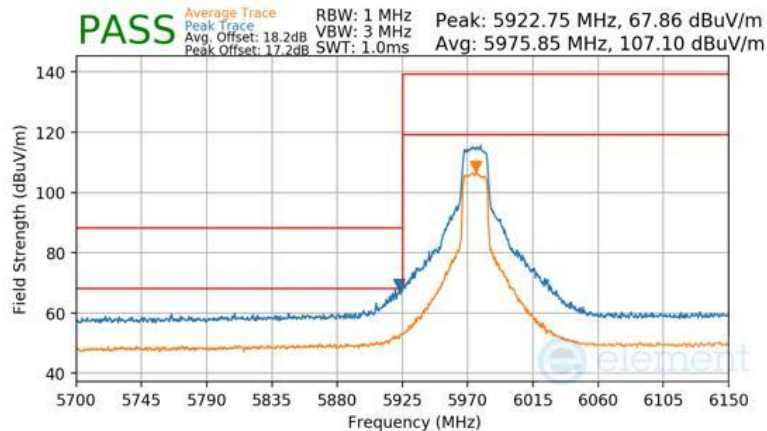
7.7.2 Antenna 0 Radiated Band Edge Measurements (20MHz BW)

Mode	802.11a
Data Rate	54Mbps
Distance of Measurement	3 Meters
Operating Frequency	5955MHz
Channel	1



Plot 7-263 Antenna 0 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

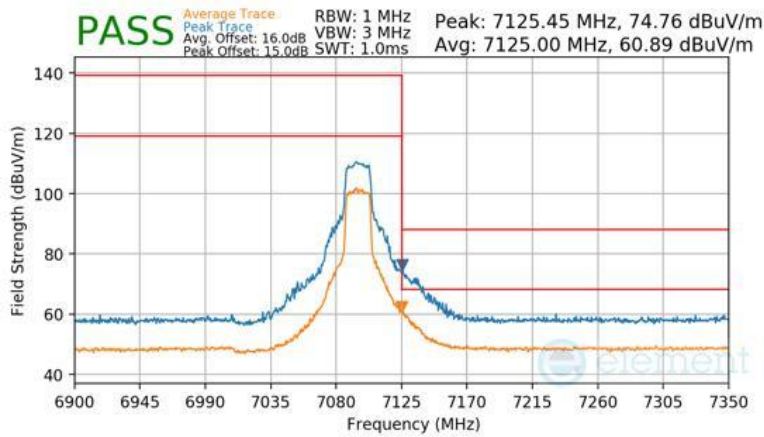
Mode	802.11a
Data Rate	54Mbps
Distance of Measurement	3 Meters
Operating Frequency	5975MHz
Channel	5



Plot 7-264 Antenna 0 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

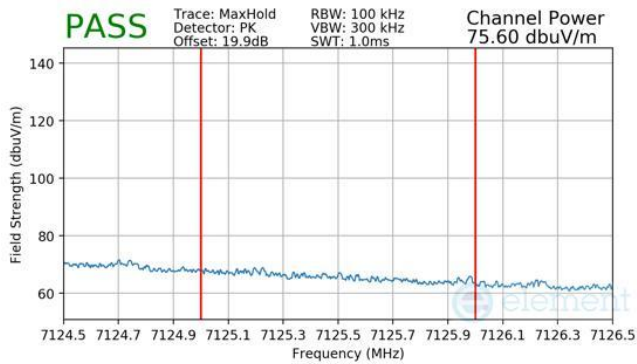
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 143 of 169

Mode	802.11a
Data Rate	54Mbps
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

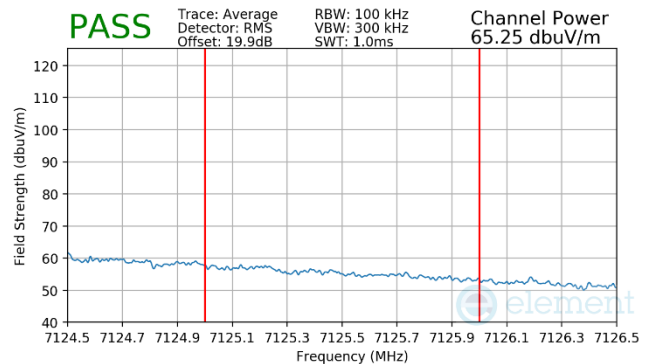


Plot 7-265 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

Mode	802.11a
Data Rate	54Mbps
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233



Plot 7-266 Antenna 0 Radiated Integrated Band Edge (Peak – UNII Band 8)

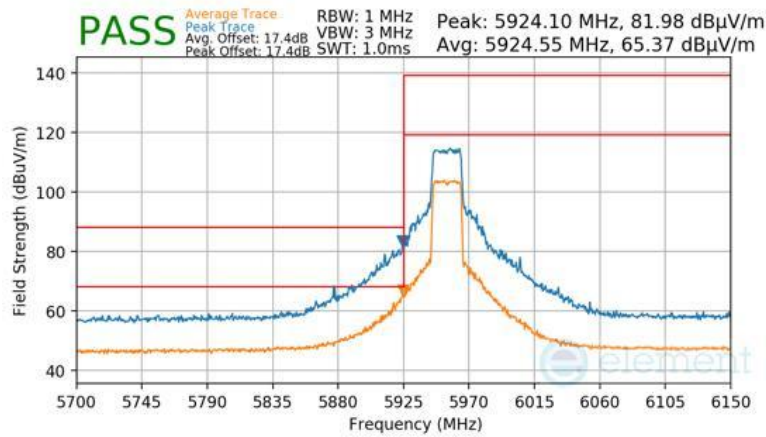


Plot 7-267 Antenna 0 Radiated Integrated Band Edge (Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 144 of 169

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

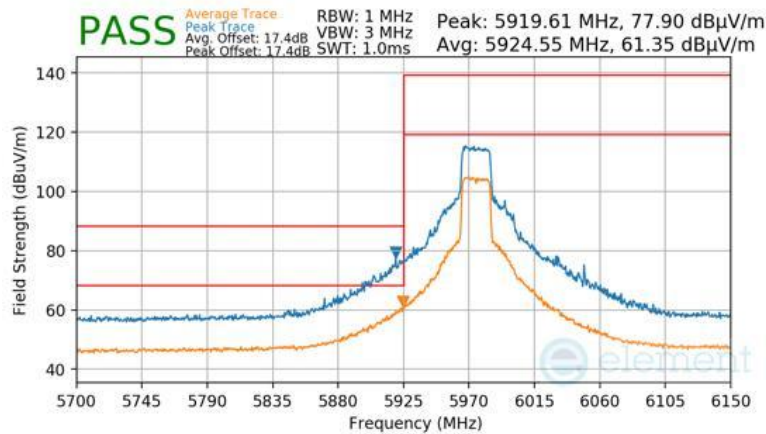
802.11ax-SU
MCS11
3 Meters
5955MHz
1



Plot 7-268 Antenna 0 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

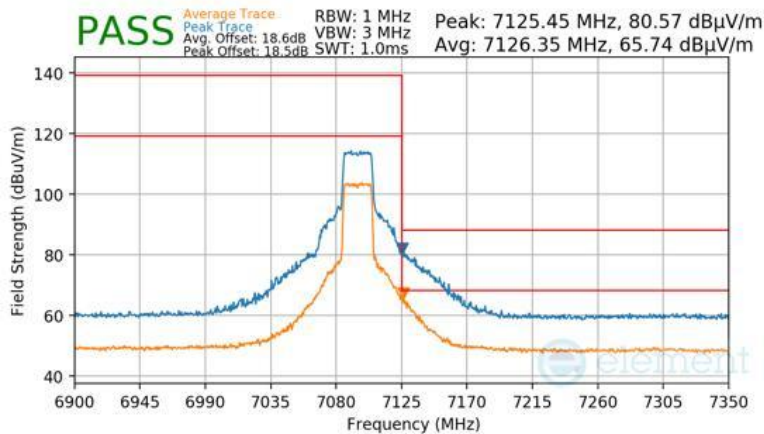
802.11ax-SU
MCS11
3 Meters
5975MHz
5



Plot 7-269 Antenna 0 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

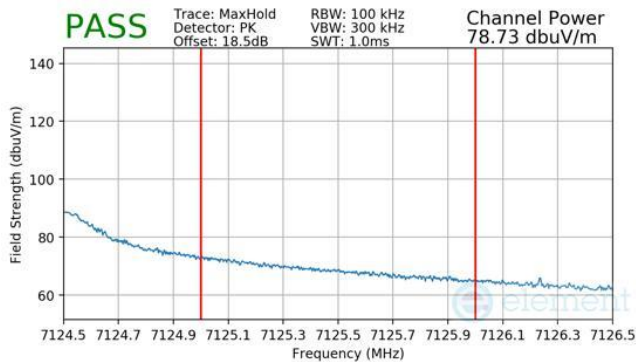
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 145 of 169

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

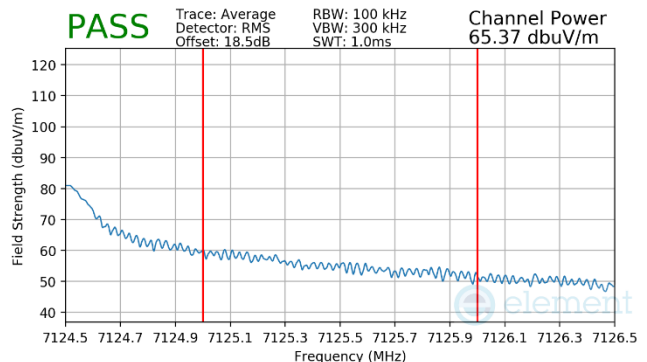


Plot 7-270 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233



Plot 7-271 Antenna 0 Radiated Integrated Band Edge (Peak – UNII Band 8)

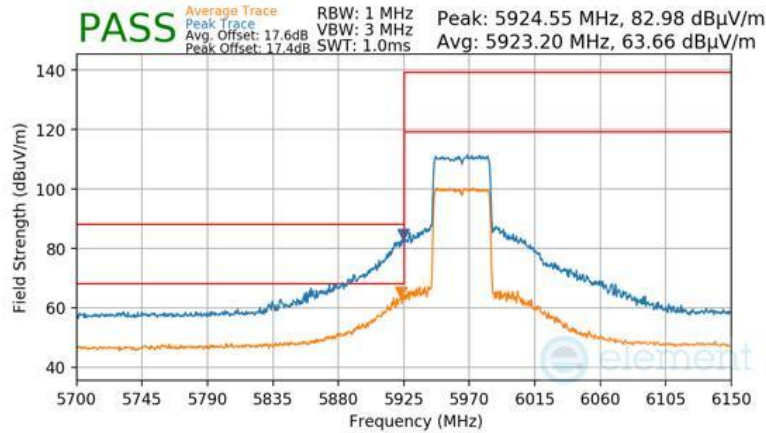


Plot 7-272 Antenna 0 Radiated Integrated Band Edge (Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 146 of 169

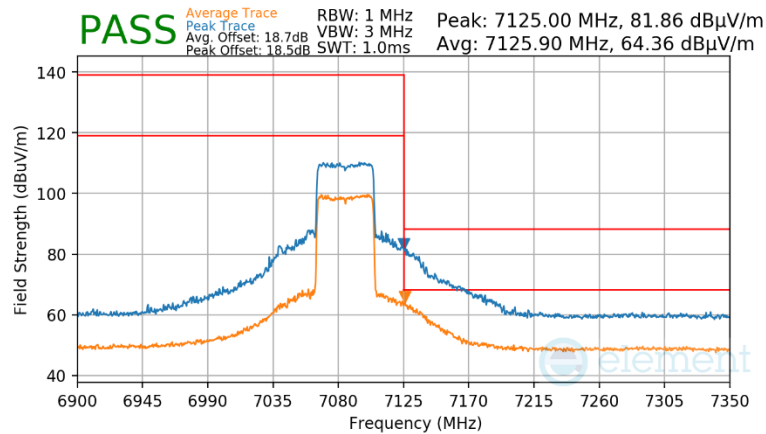
7.7.3 Antenna 0 Radiated Band Edge Measurements (40MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	5965MHz
Channel	3



Plot 7-273 Antenna 0 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7085MHz
Channel	227

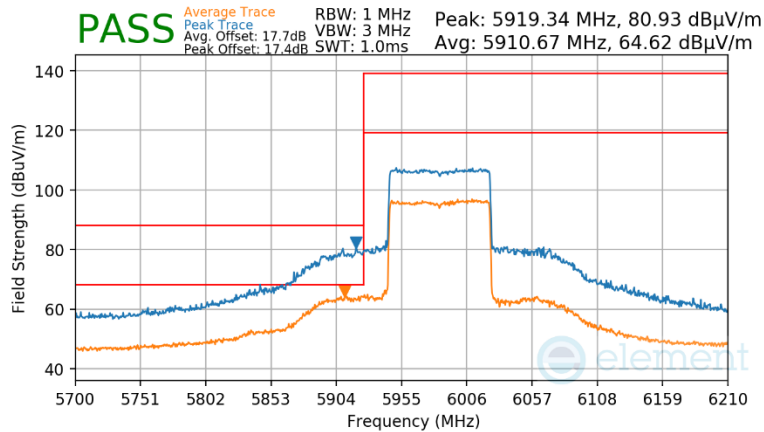


Plot 7-274 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 147 of 169

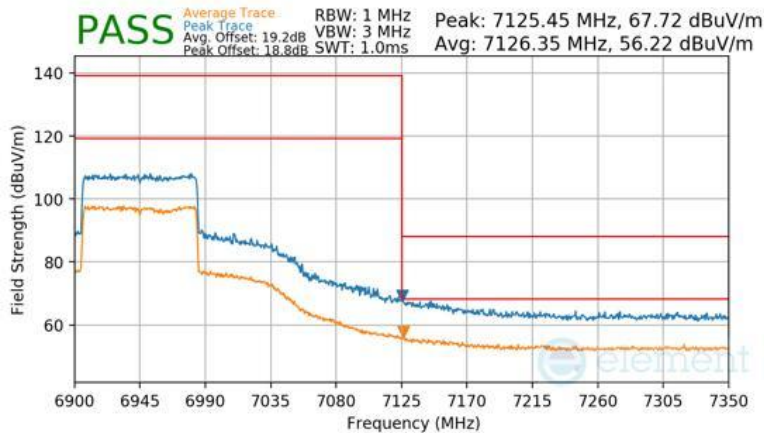
7.7.4 Antenna 0 Radiated Band Edge Measurements (80MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	5985MHz
Channel	7



Plot 7-275 Antenna 0 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6945MHz
Channel	199

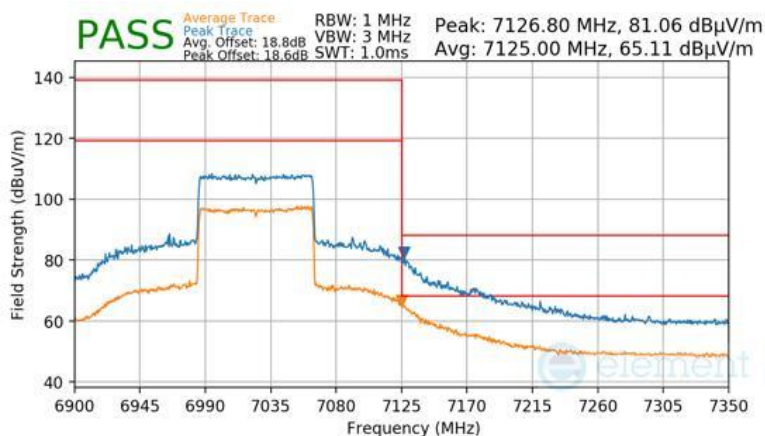


Plot 7-276 Antenna 0 Radiated Lower Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 148 of 169

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS11
 3 Meters
 7025MHz
 215

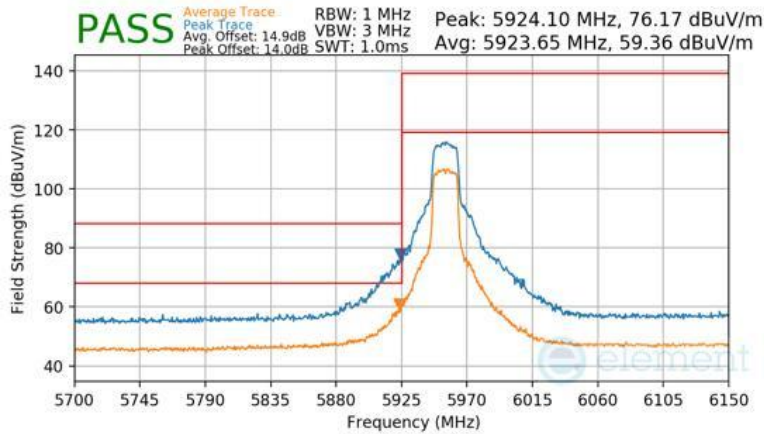


Plot 7-277 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 149 of 169

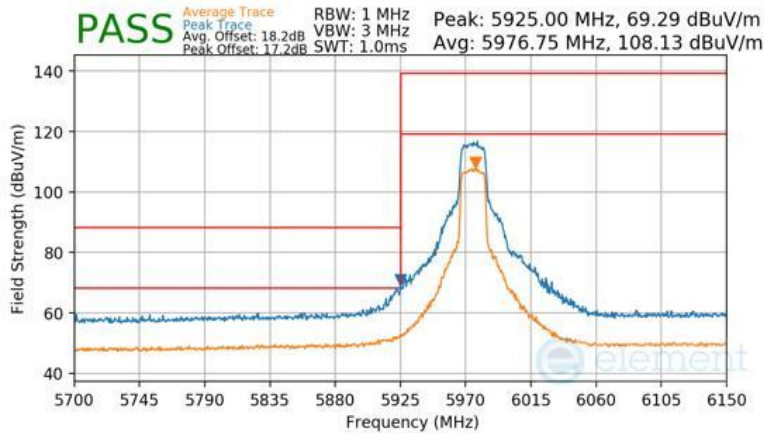
7.7.5 Antenna 1 Radiated Band Edge Measurements (20MHz BW)

Mode	802.11a
Data Rate	54Mbps
Distance of Measurement	3 Meters
Operating Frequency	5955MHz
Channel	1



Plot 7-278 Antenna 1 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

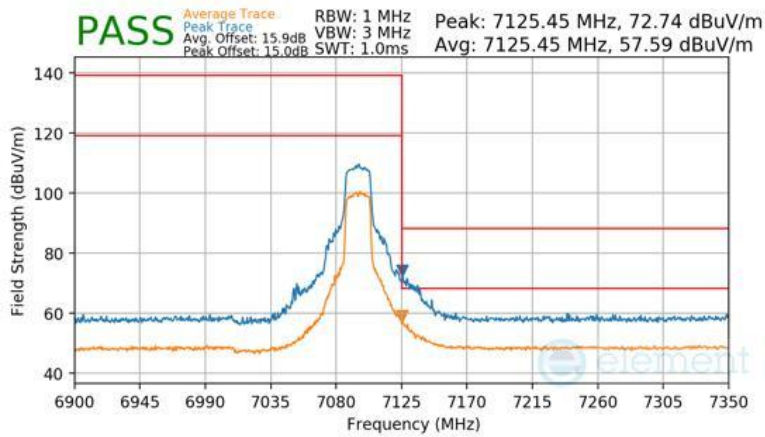
Mode	802.11a
Data Rate	54Mbps
Distance of Measurement	3 Meters
Operating Frequency	5975MHz
Channel	5



Plot 7-279 Antenna 1 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

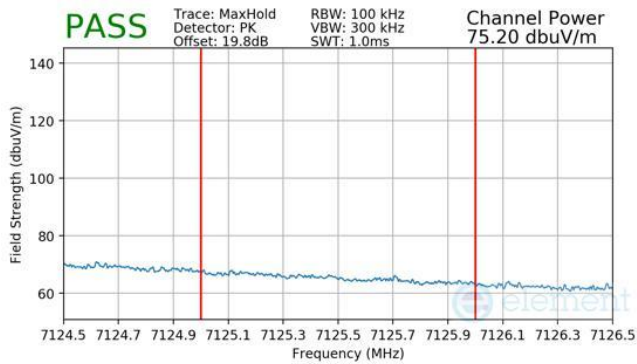
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		

Mode	802.11a
Data Rate	54Mbps
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

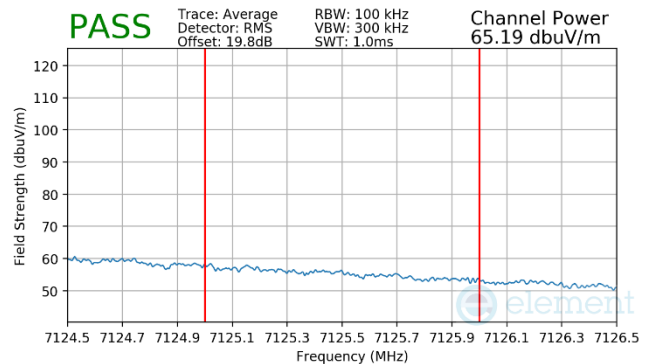


Plot 7-280 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

Mode	802.11a
Data Rate	54Mbps
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233



Plot 7-281 Antenna 1 Radiated Integrated Band Edge (Peak – UNII Band 8)

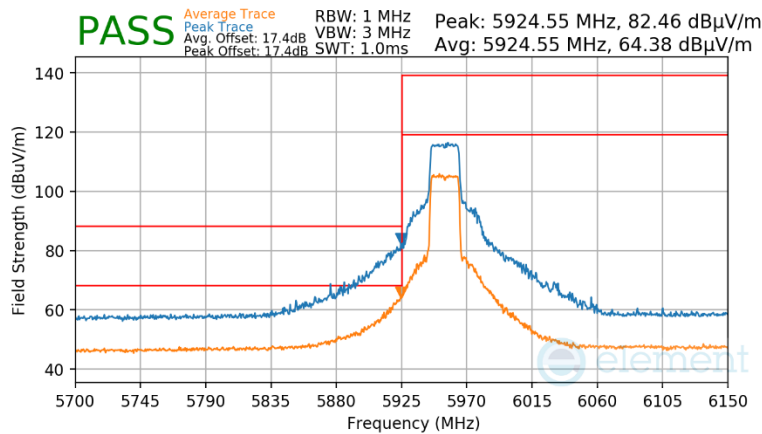


Plot 7-282 Antenna 1 Radiated Integrated Band Edge (Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 151 of 169

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

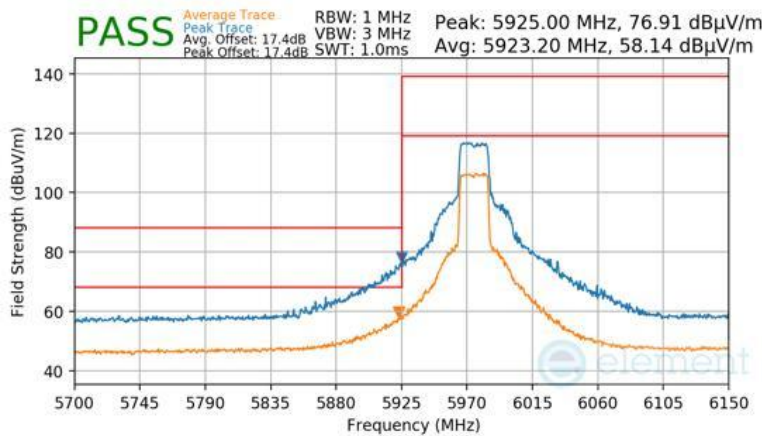
802.11ax-SU
 MCS11
 3 Meters
 5955MHz
 1



Plot 7-283 Antenna 1 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

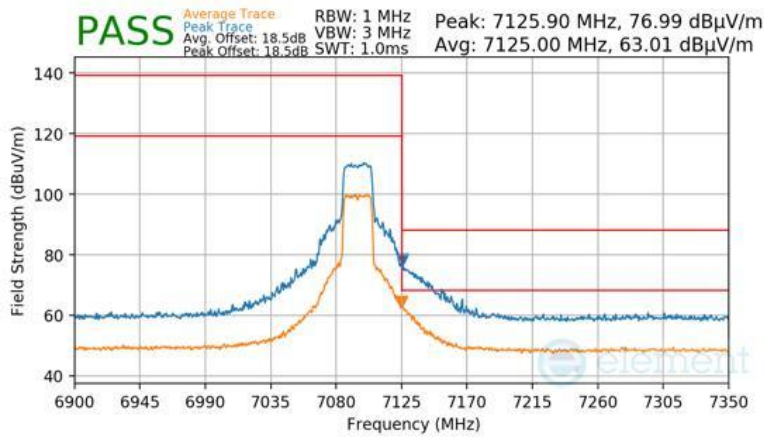
802.11ax-SU
 MCS11
 3 Meters
 5975MHz
 5



Plot 7-284 Antenna 1 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

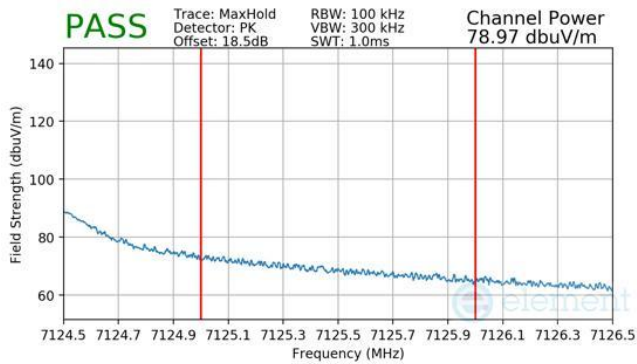
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 152 of 169

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

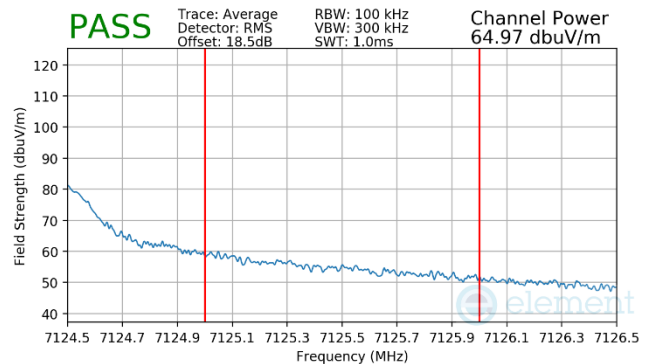


Plot 7-285 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7115MHz
Channel	233



Plot 7-286 Antenna 1 Radiated Integrated Band Edge (Peak – UNII Band 8)

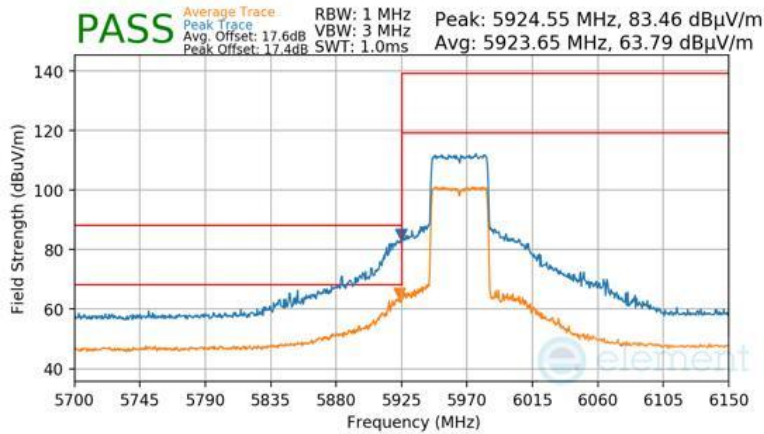


Plot 7-287 Antenna 1 Radiated Integrated Band Edge (Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 153 of 169

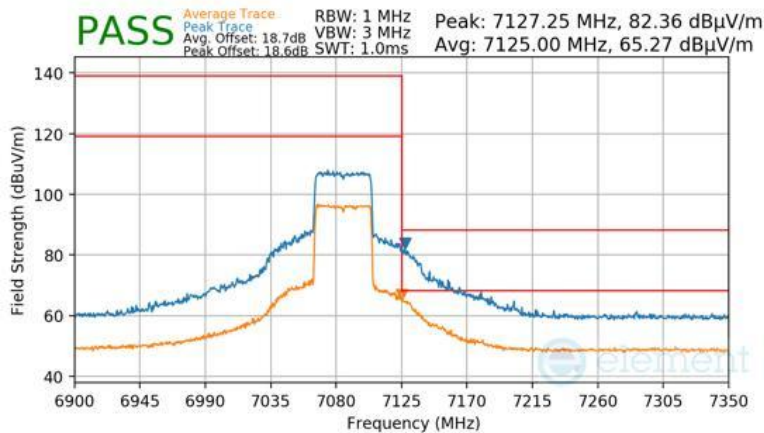
7.7.6 Antenna 1 Radiated Band Edge Measurements (40MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	5965MHz
Channel	3



Plot 7-288 Antenna 1 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7085MHz
Channel	227

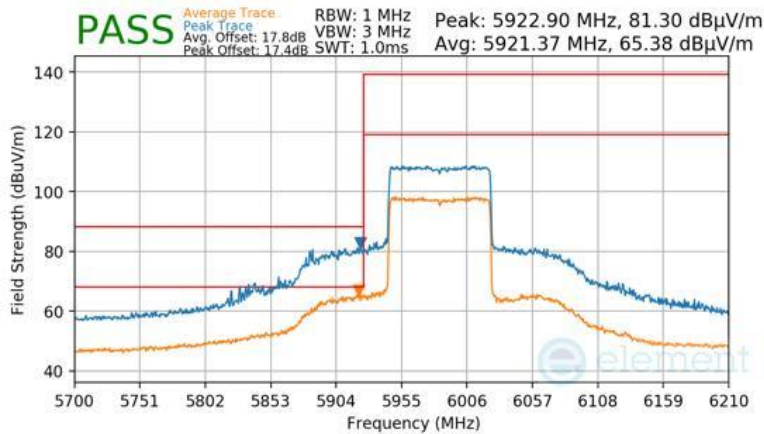


Plot 7-289 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 154 of 169

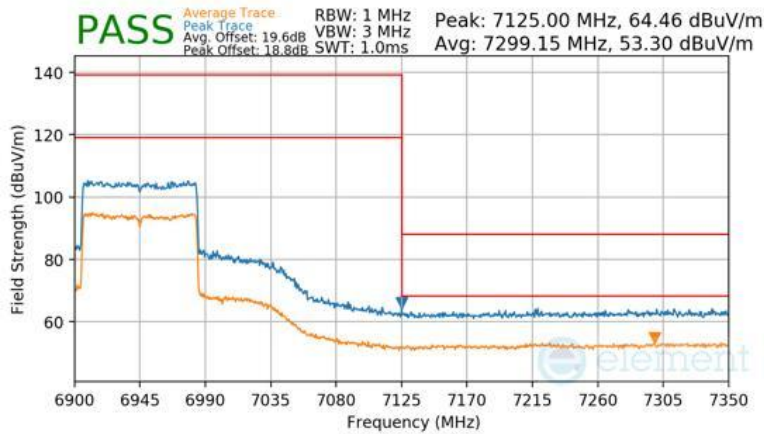
7.7.7 Antenna 1 Radiated Band Edge Measurements (80MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	5985MHz
Channel	7



Plot 7-290 Antenna 1 Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6945MHz
Channel	199



Plot 7-291 Antenna 1 Radiated Lower Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 155 of 169

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

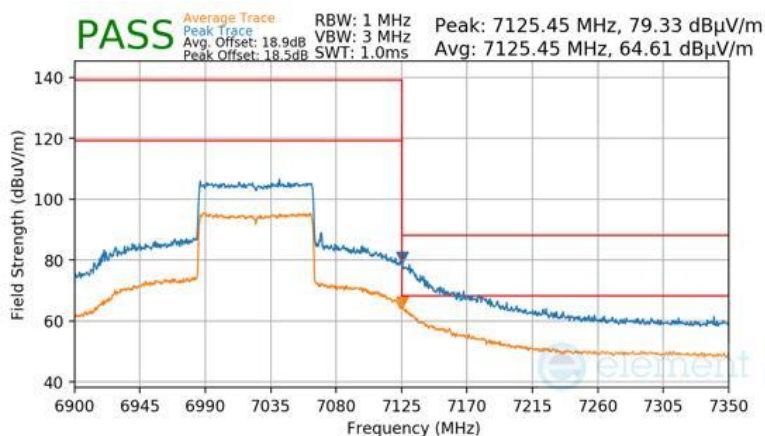
802.11ax-SU

MCS11

3 Meters

7025MHz

215

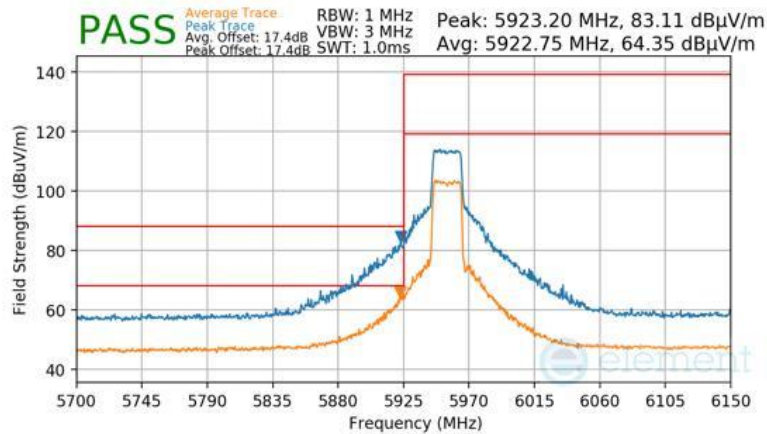


Plot 7-292 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 156 of 169

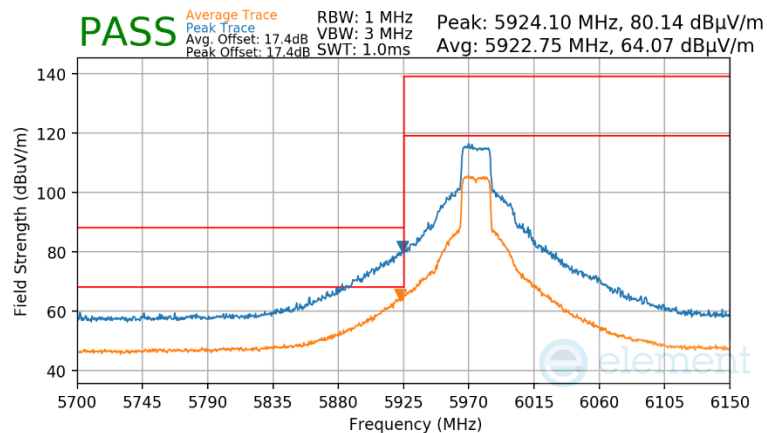
7.7.8 CDD Radiated Band Edge Measurements (20MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	5955MHz
Channel	1



Plot 7-293 CDD Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	5975MHz
Channel	5

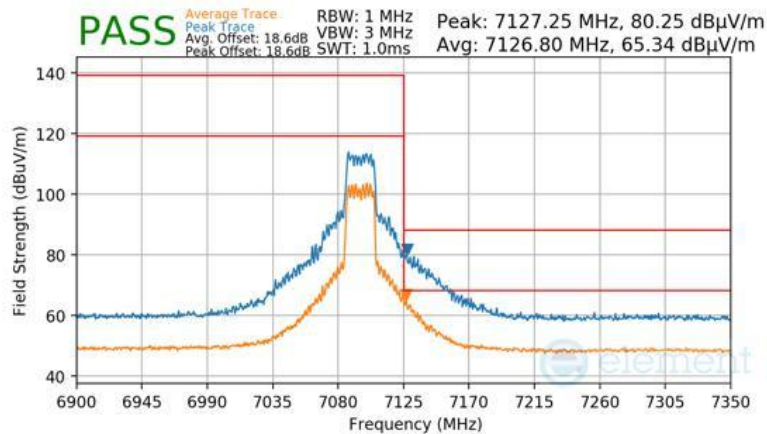


Plot 7-294 CDD Radiated Lower Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 157 of 169

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

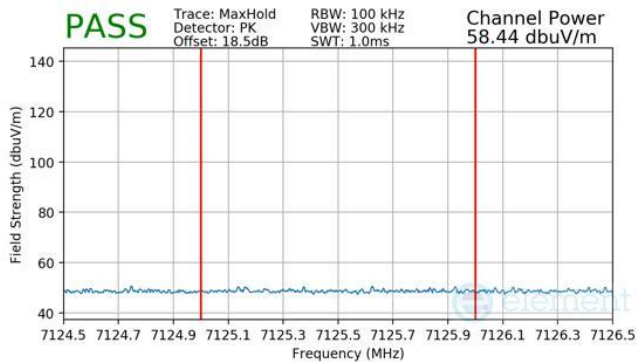
802.11ax-SU
MCS11
3 Meters
7095MHz
229



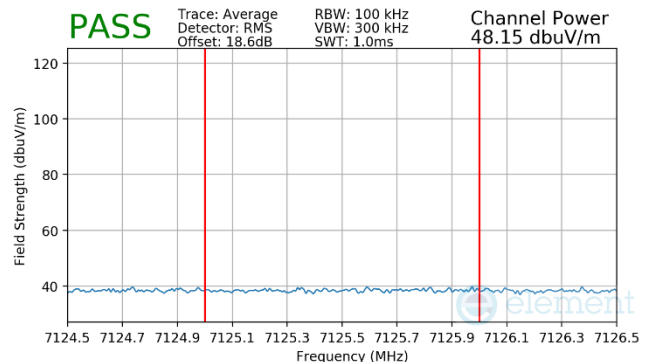
Plot 7-295 CDD Radiated Upper Band Edge (Peak & Average – UNII Band 8)

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
MCS11
3 Meters
7115MHz
233



Plot 7-296 CDD Radiated Integrated Band Edge (Peak – UNII Band 8)

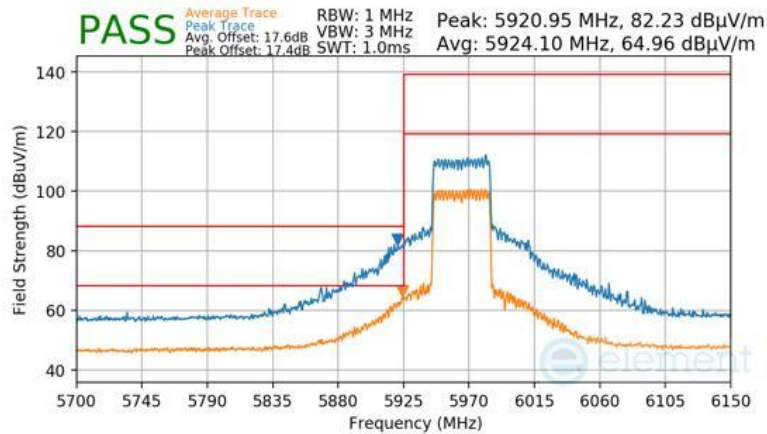


Plot 7-297 CDD Radiated Integrated Band Edge (Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 158 of 169

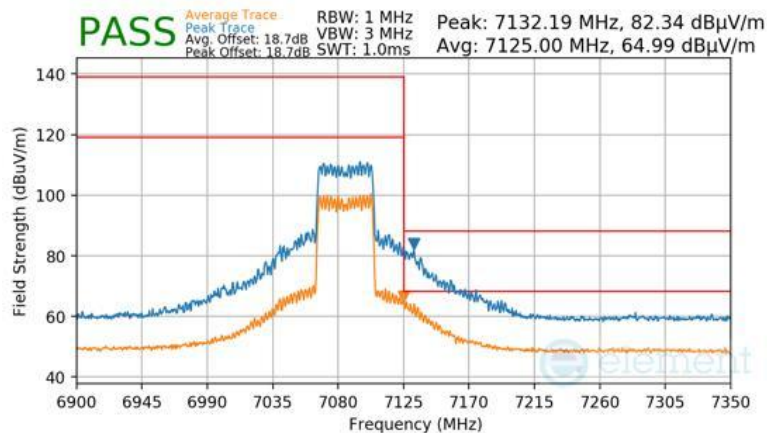
7.7.9 CDD Radiated Band Edge Measurements (40MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	5965MHz
Channel	3



Plot 7-298 CDD Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7085MHz
Channel	227

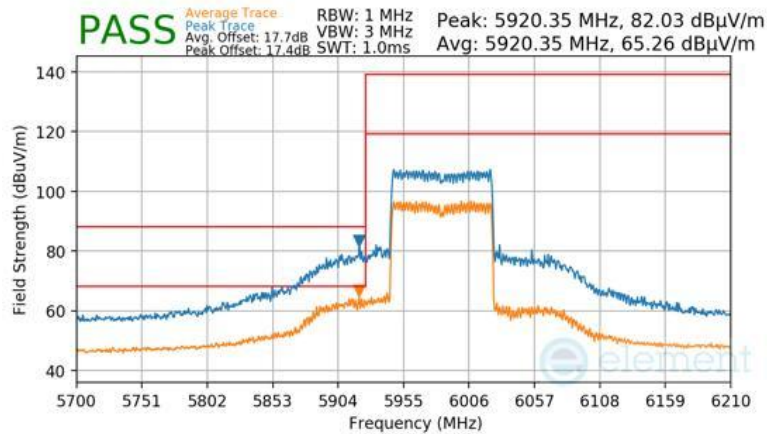


Plot 7-299 CDD Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		

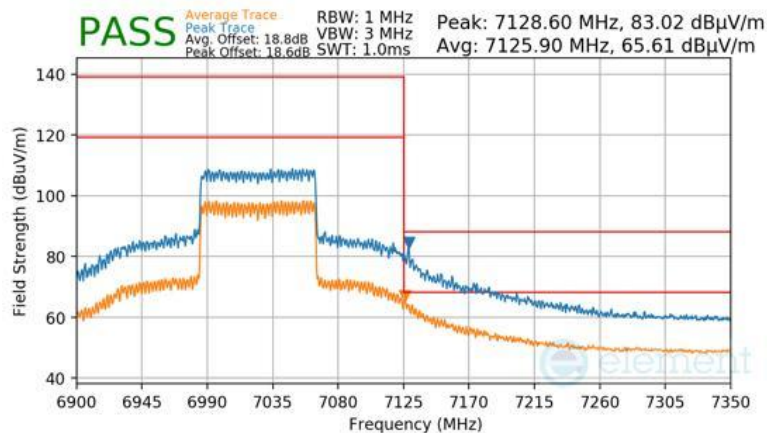
7.7.10 CDD Radiated Band Edge Measurements (80MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	5985MHz
Channel	7



Plot 7-300 CDD Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	7025MHz
Channel	215



Plot 7-301 CDD Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-10-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 160 of 169

7.8 Radiated Spurious Emissions – Below 1GHz

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]
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 7-56. Radiated Limits

Test Procedures Used

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

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 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 = quasi-peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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Test Setup

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

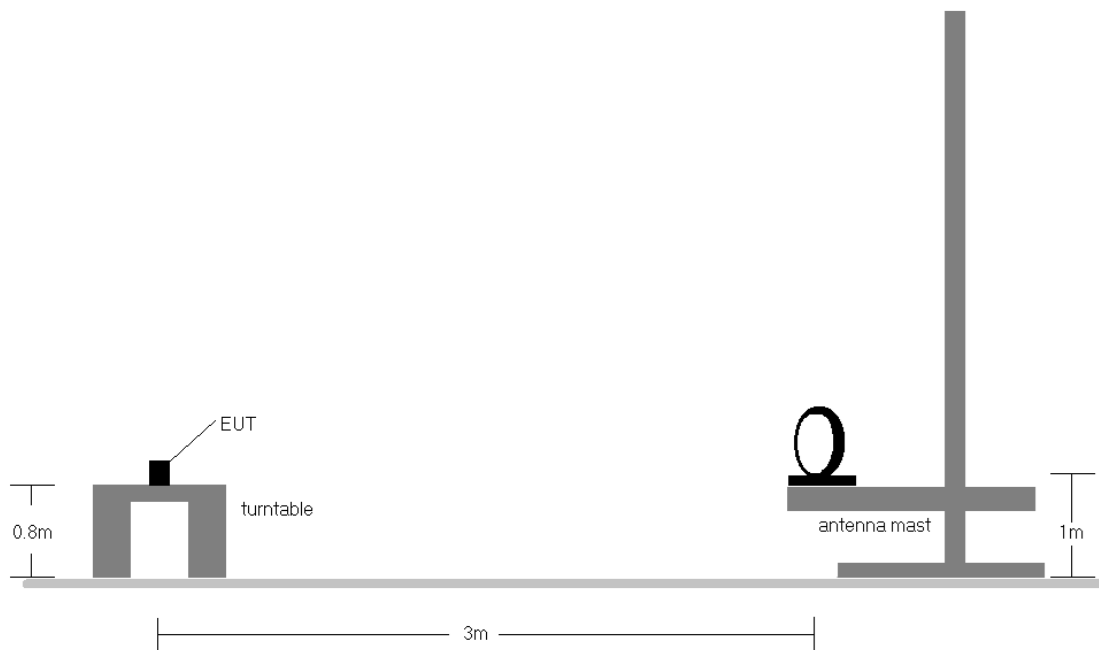


Figure 7-7. Radiated Test Setup < 30MHz

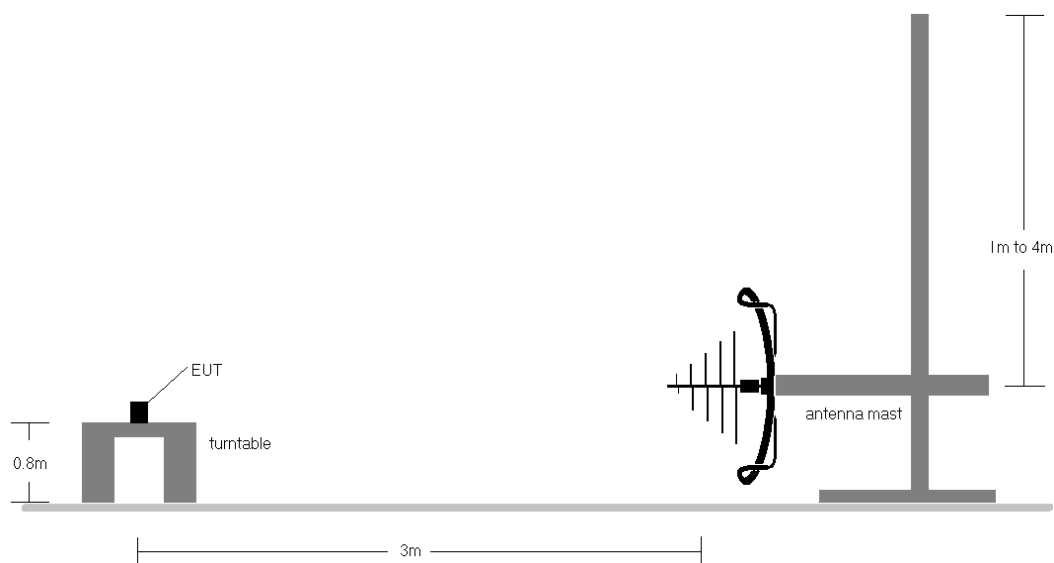


Figure 7-8. Radiated Test Setup < 1GHz

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (7.5) are below the limit shown in Table 7-56.
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 on emissions that were 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 via USB-C cable
10. All antenna configurations were investigated and only the worst case is reported.
11. The unit was tested with all possible modes and only the highest emission is reported.

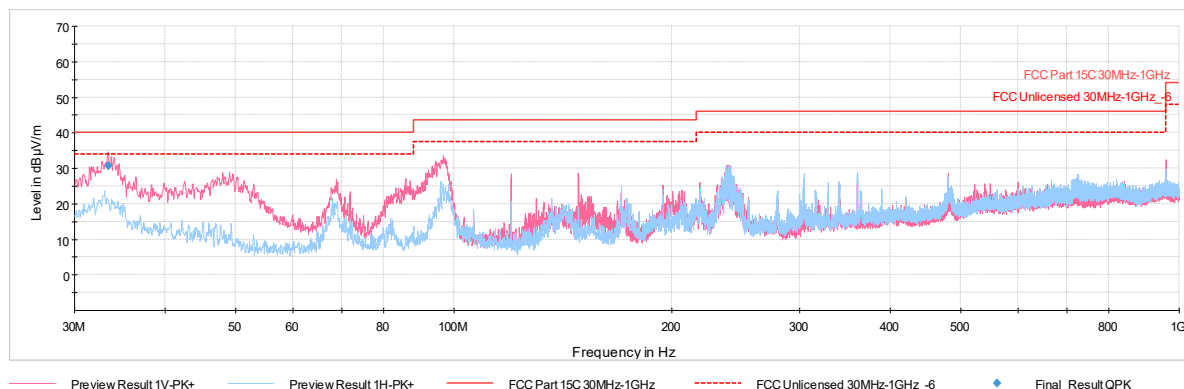
Sample Calculations

Determining Spurious Emissions Levels

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

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7.8.1 CDD Radiated Spurious Emissions Measurements (Below 1GHz)



Plot 7-302. Radiated Spurious Emissions below 1GHz CDD, 802.11ax, Ch.1 with AC/DC adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
33.40	Quasi-Peak	V	100	83	-57.97	-18.48	30.55	40.00	-9.45
48.04	Max Hold	V	100	337	-54.78	-23.30	28.92	40.00	-11.08
96.69	Max Hold	V	100	251	-52.45	-21.43	33.12	43.52	-10.40
119.97	Max Hold	V	100	1	-56.69	-21.92	28.39	43.52	-15.13
239.33	Max Hold	V	100	321	-60.26	-15.84	30.90	46.02	-15.12
960.04	Max Hold	V	200	31	-70.68	-3.89	32.43	53.98	-21.55

Table 7-57. Radiated Spurious Emissions Measurement below 1GHz CDD, 802.11ax, Ch.1 with AC/DC adapter

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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7.9 AC Line-Conducted Emissions Measurement

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (7.4.2).

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

Table 7-58. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

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

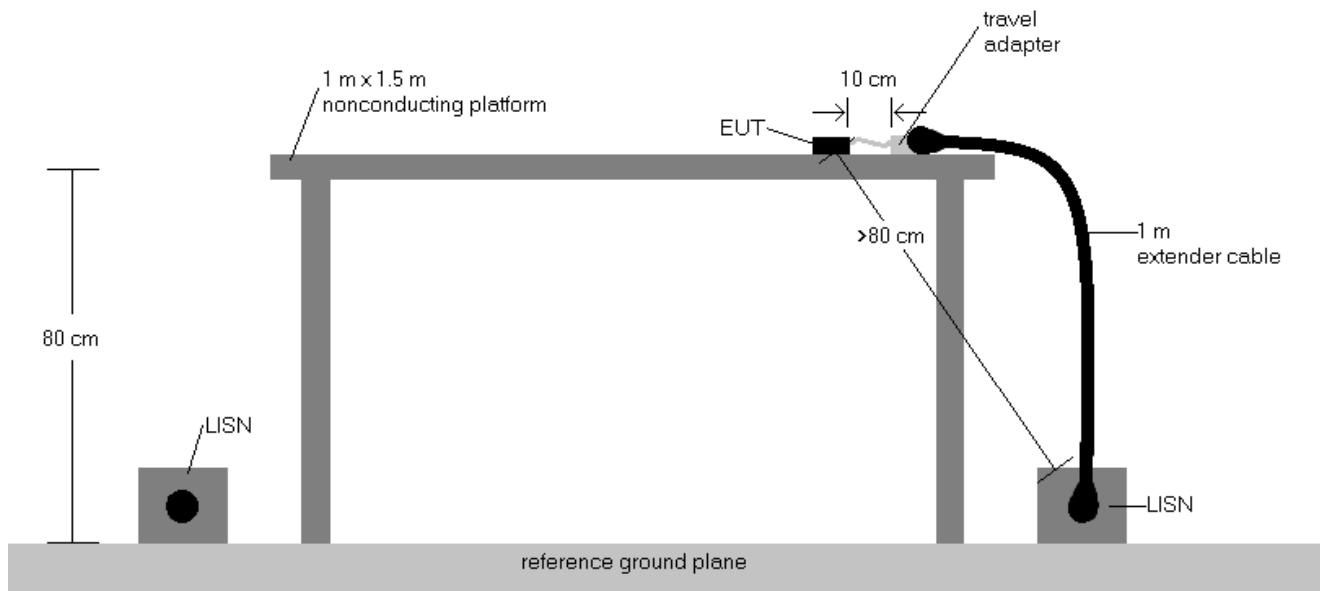
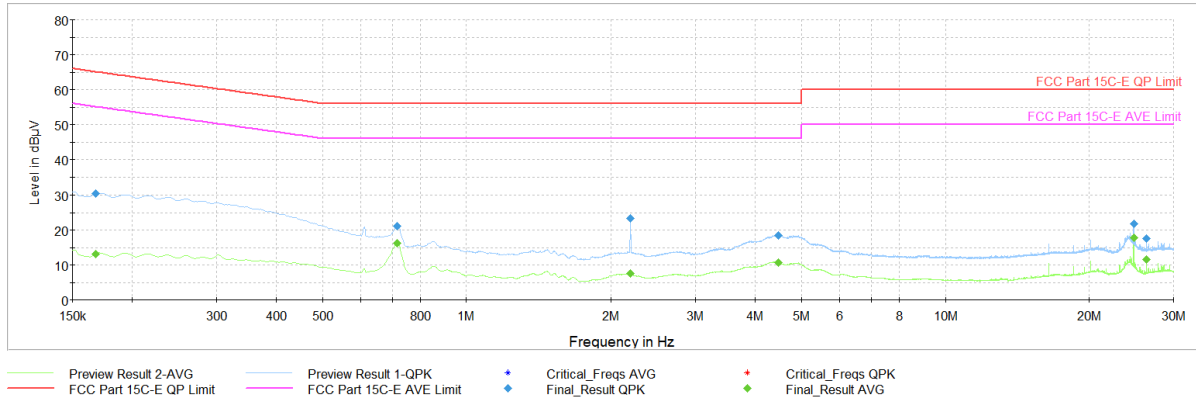


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (7.4.2).
4. $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
5. $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
6. $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.
9. The unit was tested with all possible modes and only the highest emission is reported.

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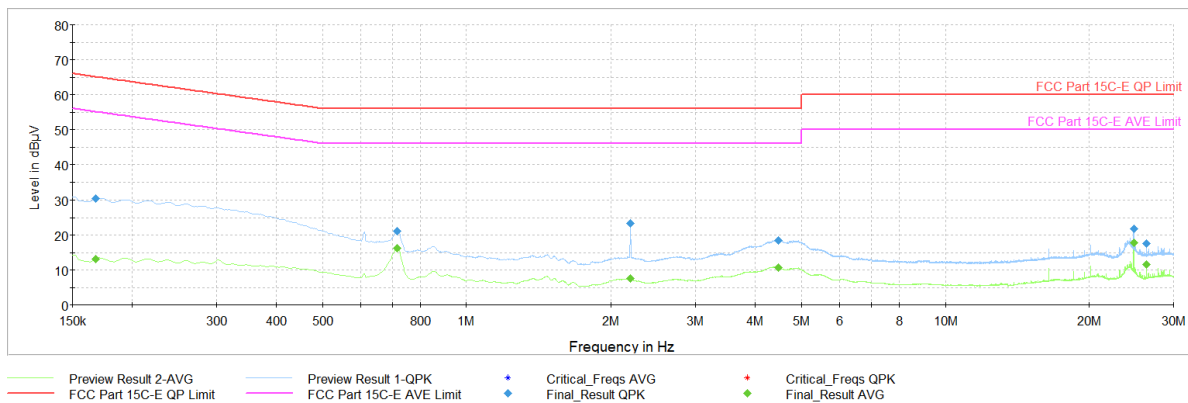


Plot 7-303. AC Line Conducted Plot with 802.11ax CDD – Ch. 1 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.17	FINAL	---	13.15	55.06	-41.91	L1	GND
0.17	FINAL	30.42	---	65.06	-34.64	L1	GND
0.72	FINAL	---	16.31	46.00	-29.69	L1	GND
0.72	FINAL	21.13	---	56.00	-34.87	L1	GND
2.20	FINAL	---	7.66	46.00	-38.34	L1	GND
2.20	FINAL	23.31	---	56.00	-32.69	L1	GND
4.47	FINAL	18.42	---	56.00	-37.58	L1	GND
4.47	FINAL	---	10.62	46.00	-35.38	L1	GND
24.76	FINAL	21.88	---	60.00	-38.12	L1	GND
24.76	FINAL	---	17.78	50.00	-32.22	L1	GND
26.30	FINAL	---	11.62	50.00	-38.38	L1	GND
26.30	FINAL	17.45	---	60.00	-42.55	L1	GND

Table 7-59. AC Line Conducted Data with 802.11ax CDD – Ch. 1 (L1) with AC/DC adapter

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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Plot 7-304. AC Line Conducted Plot with 802.11ax CDD – Ch. 1 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.17	FINAL	---	14.05	54.95	-40.90	N	GND
0.17	FINAL	30.66	---	64.95	-34.29	N	GND
0.71	FINAL	---	18.24	46.00	-27.76	N	GND
0.71	FINAL	25.02	---	56.00	-30.98	N	GND
2.20	FINAL	---	9.03	46.00	-36.97	N	GND
2.20	FINAL	25.35	---	56.00	-30.65	N	GND
4.83	FINAL	21.05	---	56.00	-34.95	N	GND
4.83	FINAL	---	13.60	46.00	-32.40	N	GND
24.77	FINAL	23.35	---	60.00	-36.65	N	GND
24.77	FINAL	---	19.19	50.00	-30.81	N	GND
26.31	FINAL	---	12.33	50.00	-37.67	N	GND
26.31	FINAL	18.06	---	60.00	-41.94	N	GND

Table 7-60. AC Line Conducted Data with 802.11ax CDD – Ch. 1 (N), with AC/DC adapter

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Smart Speaker FCC ID: BCGA3374** and **IC: 579C-A3374** 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: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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