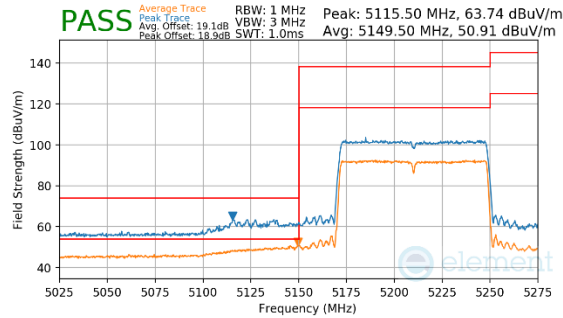
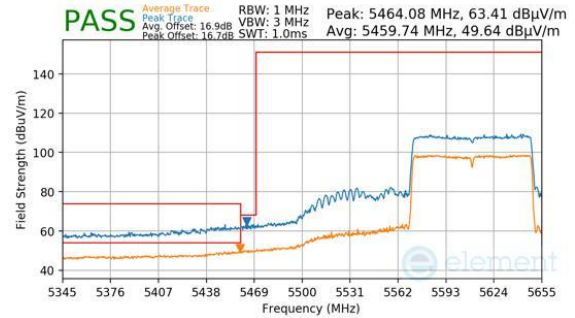


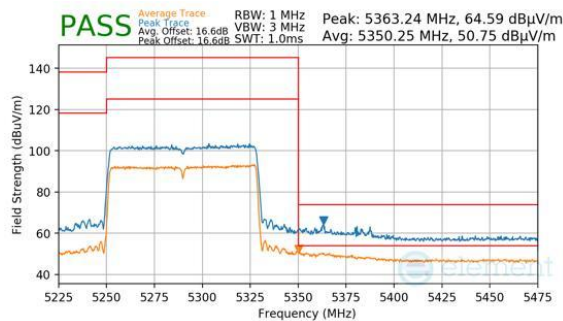
7.6.5 Antenna 0 Radiated Band Edge Measurements (80MHz BW)



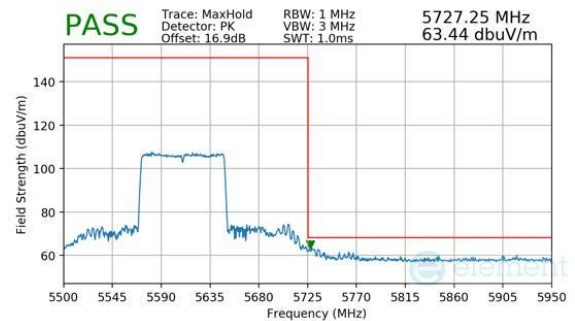
Plot 7-130. Antenna 0 (Peak & Average, Ch.42, 802.11ac, MCS8)



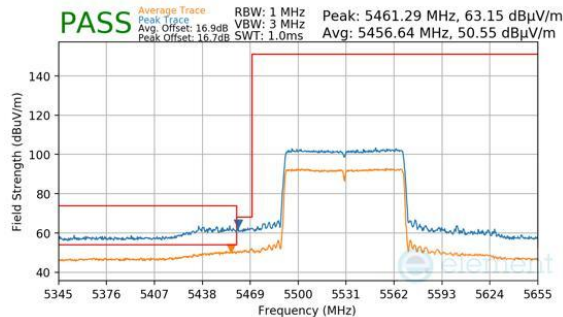
Plot 7-133. Antenna 0 (Peak & Average, Ch.122, 802.11ac, MCS8)



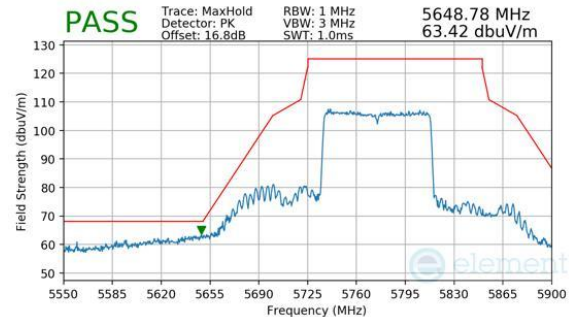
Plot 7-131. Antenna 0 (Peak & Average, Ch.58, 802.11ac, MCS8)



Plot 7-134. Antenna 0 (Peak, Ch.122, 802.11ac, MCS8)

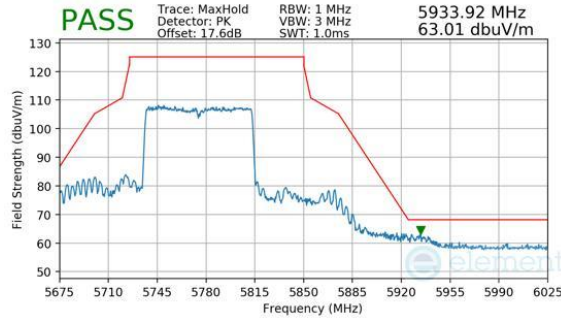


Plot 7-132. Antenna 0 (Peak & Average, Ch.106, 802.11ac, MCS8)

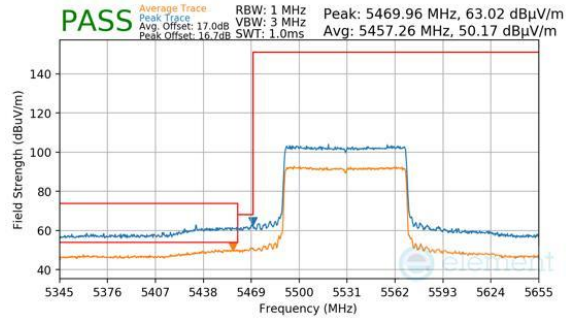


Plot 7-135. Antenna 0 (Peak, Ch.155, 802.11ac, MCS8)

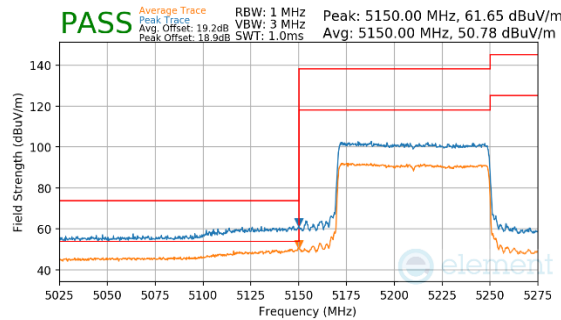
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 123 of 158



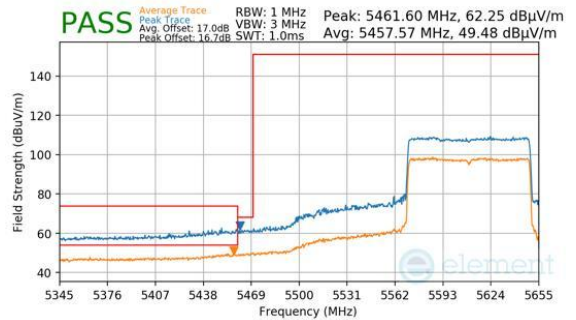
Plot 7-136. Antenna 0 (Peak, Ch.155, 802.11ac, MCS8)



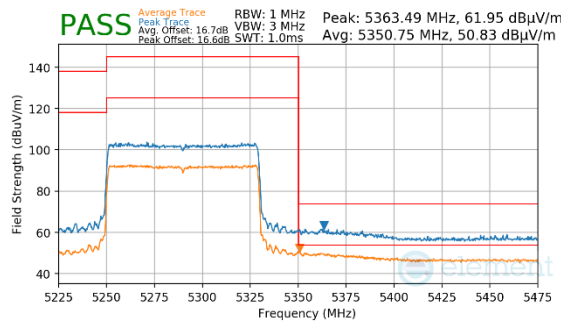
Plot 7-139. Antenna 0 (Peak & Average, Ch.106, (SU), MCS11)



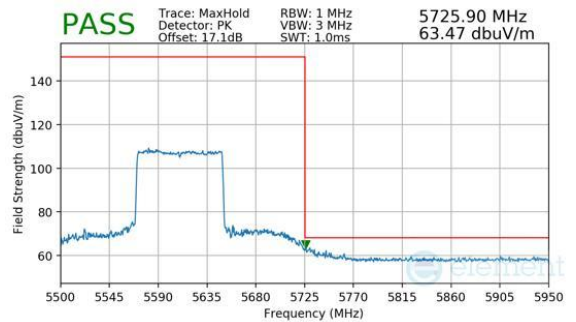
Plot 7-137. Antenna 0 (Peak & Average, Ch.42, (SU), MCS11)



Plot 7-140. Antenna 0 (Peak & Average, Ch.122, (SU), MCS11)

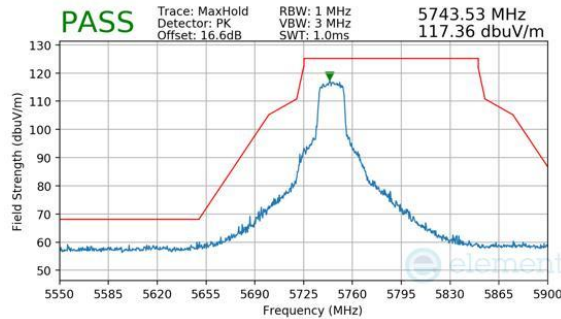


Plot 7-138. Antenna 0 (Peak & Average, Ch.58, (SU), MCS11)

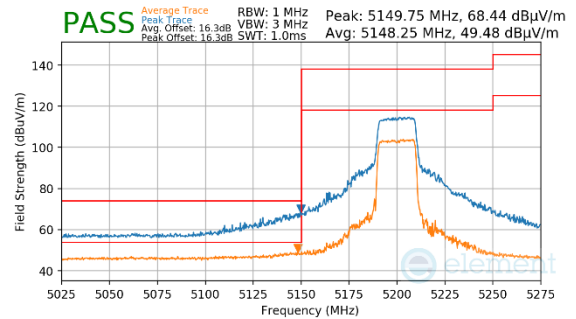


Plot 7-141. Antenna 0 (Peak, Ch.122, (SU), MCS11)

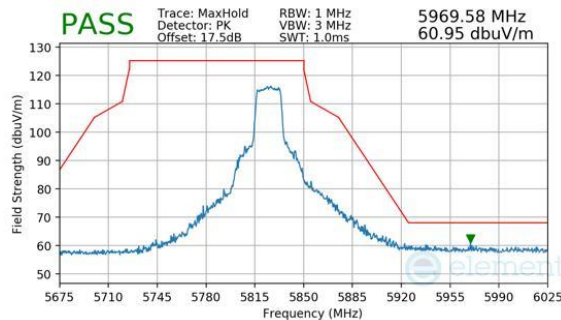
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 124 of 158



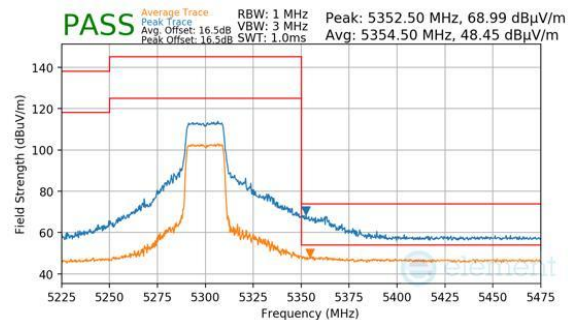
Plot 7-148. Antenna 1 (Peak, Ch.149, 802.11n, MCS7)



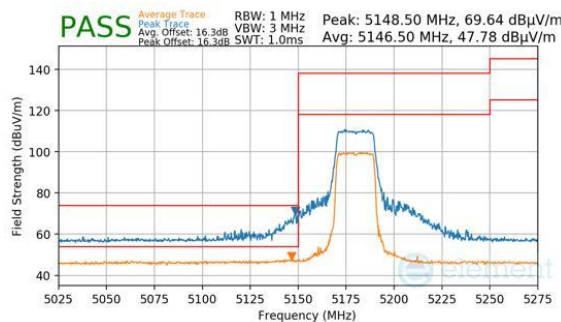
Plot 7-151. Antenna 1 (Peak & Average, Ch.40, (SU), MCS11)



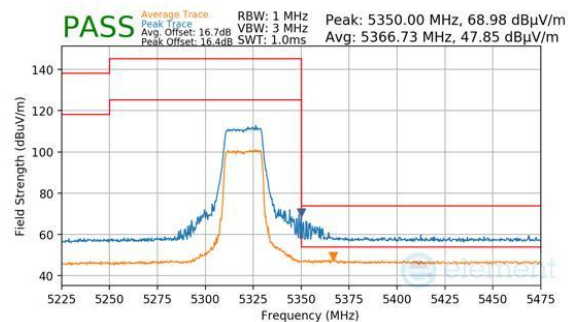
Plot 7-149. Antenna 1 (Peak, Ch.165, 802.11n, MCS7)



Plot 7-152. Antenna 1 (Peak & Average, Ch.60, (SU), MCS11)

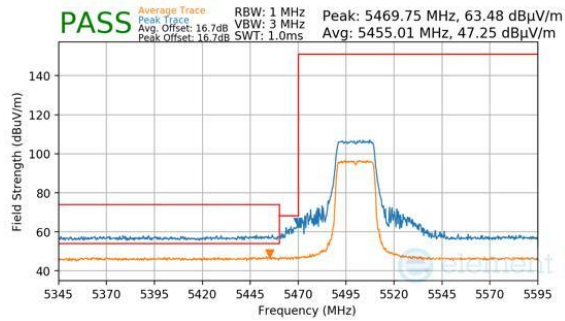


Plot 7-150. Antenna 1 (Peak & Average, Ch.36, (SU), MCS11)

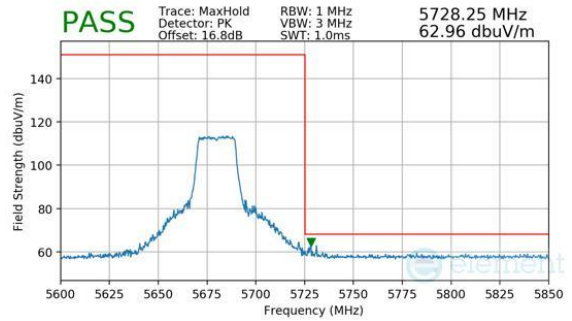


Plot 7-153. Antenna 1 (Peak & Average, Ch.64, (SU), MCS11)

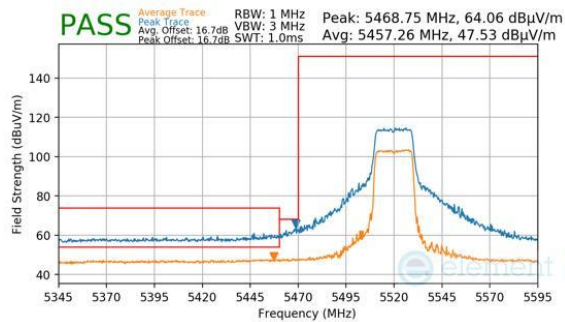
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 126 of 158



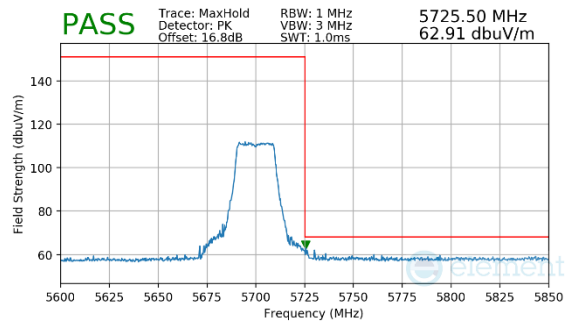
Plot 7-154. Antenna 1 (Peak & Average, Ch.100, (SU), MCS11)



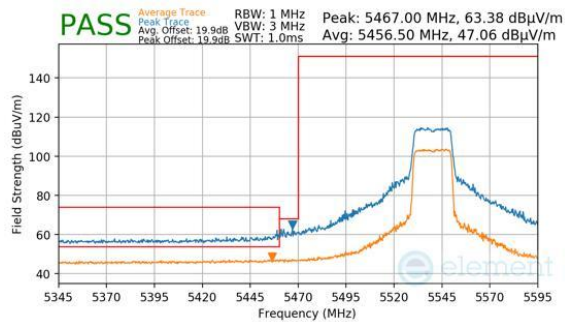
Plot 7-157. Antenna 1 (Peak, Ch.136, (SU), MCS11)



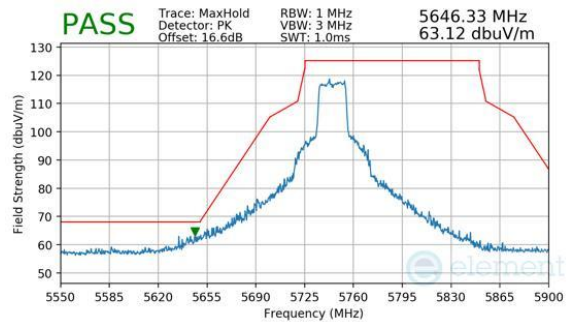
Plot 7-155. Antenna 1 (Peak & Average, Ch.104, (SU), MCS11)



Plot 7-158. Antenna 1 (Peak, Ch.140, (SU), MCS11)



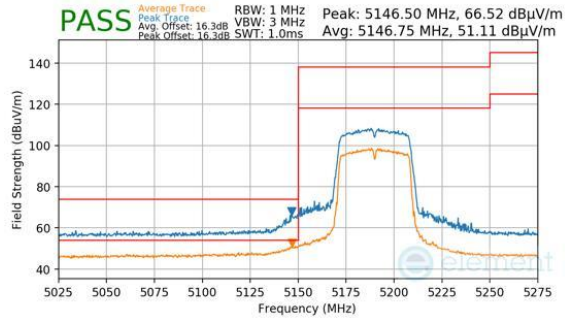
Plot 7-156. Antenna 1 (Peak & Average, Ch.108, (SU), MCS11)



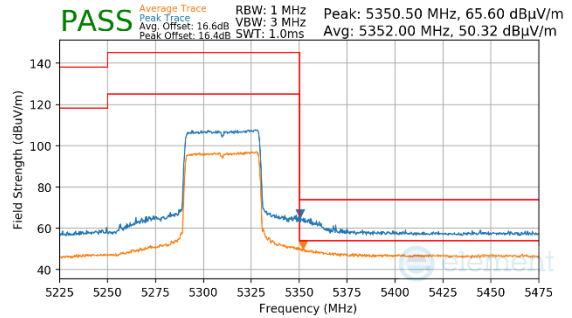
Plot 7-159. Antenna 1 (Peak, Ch.149, (SU), MCS11)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-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 158

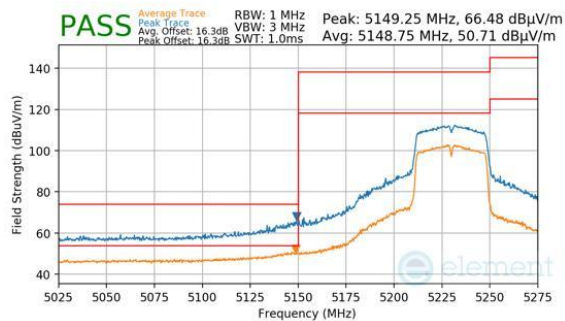
7.6.7 Antenna 1 Radiated Band Edge Measurements (40MHz BW)



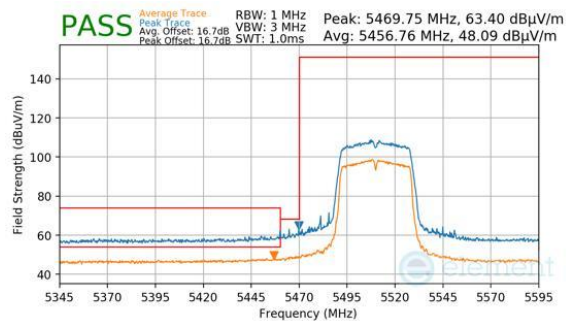
Plot 7-160. Antenna 1 (Peak & Average, Ch.38, 802.11n, MCS7)



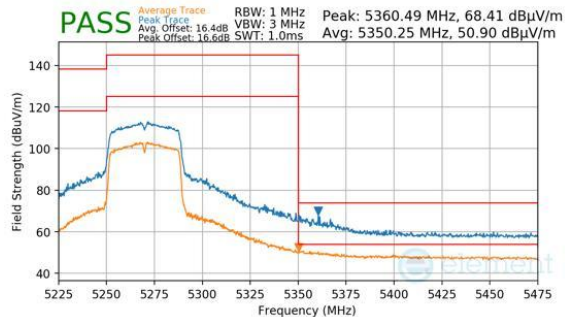
Plot 7-163. Antenna 1 (Peak & Average, Ch.62, 802.11n, MCS7)



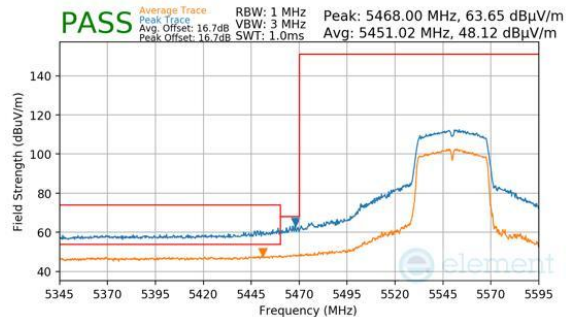
Plot 7-161. Antenna 1 (Peak & Average, Ch.46, 802.11n, MCS7)



Plot 7-164. Antenna 1 (Peak & Average, Ch.102, 802.11n, MCS7)

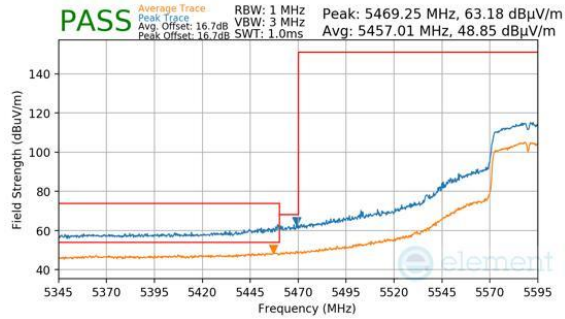


Plot 7-162. Antenna 1 (Peak & Average, Ch.54, 802.11n, MCS7)

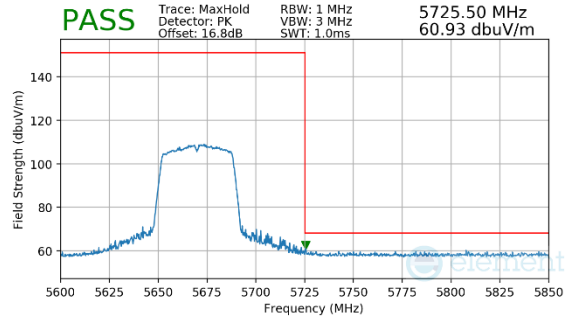


Plot 7-165. Antenna 1 (Peak & Average, Ch.110, 802.11n, MCS7)

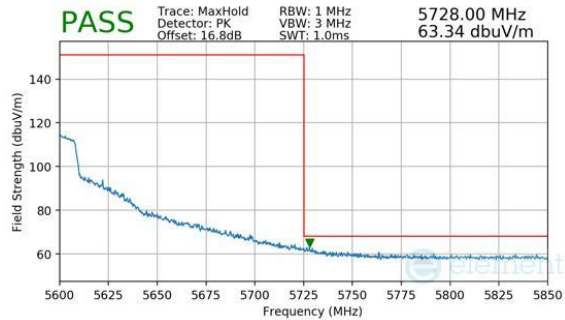
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 128 of 158



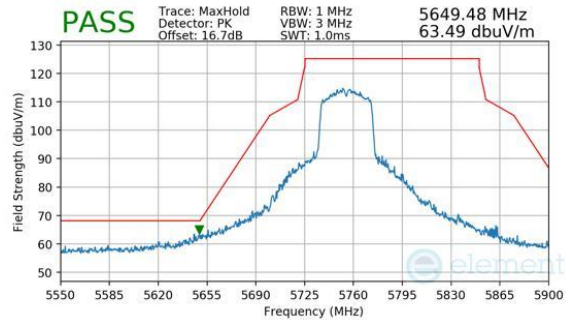
Plot 7-166. Antenna 1 (Peak & Average, Ch.118, 802.11n, MCS7)



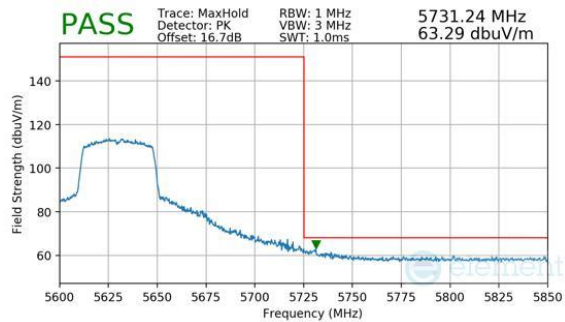
Plot 7-169. Antenna 1 (Peak, Ch.134, 802.11n, MCS7)



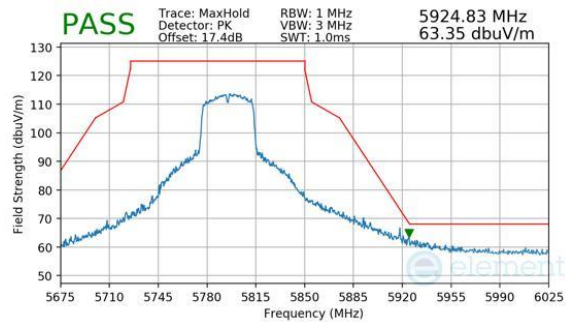
Plot 7-167. Antenna 1 (Peak, Ch.118, 802.11n, MCS7)



Plot 7-170. Antenna 1 (Peak, Ch.151, 802.11n, MCS7)

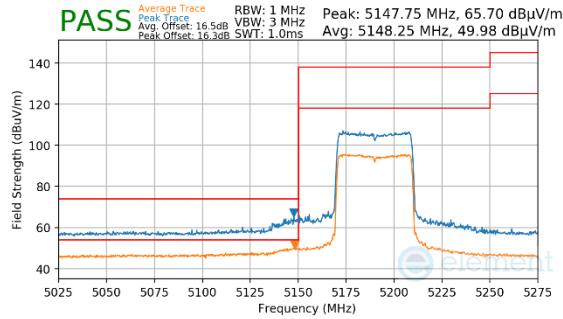


Plot 7-168. Antenna 1 (Peak, Ch.126, 802.11n, MCS7)

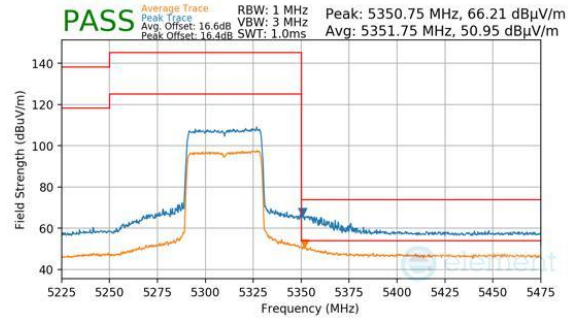


Plot 7-171. Antenna 1 (Peak, Ch.159, 802.11n, MCS7)

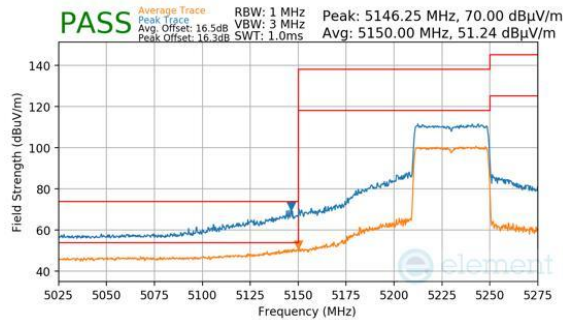
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 129 of 158



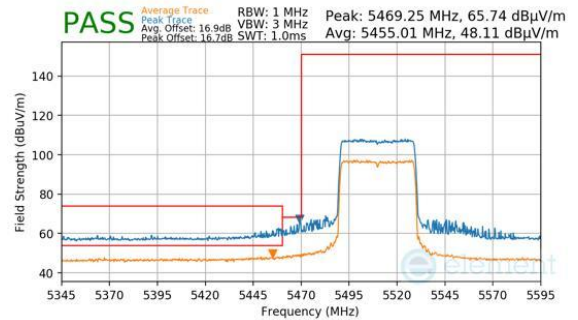
Plot 7-172. Antenna 1 (Peak & Average, Ch.38, (SU), MCS11)



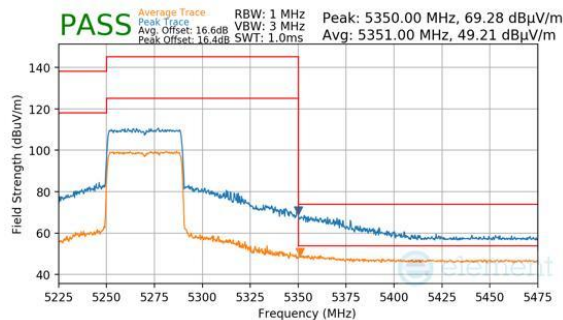
Plot 7-175. Antenna 1 (Peak & Average, Ch.62, (SU), MCS11)



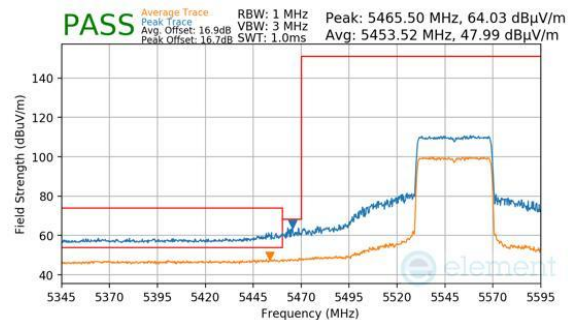
Plot 7-173. Antenna 1 (Peak & Average, Ch.46, (SU), MCS11)



Plot 7-176. Antenna 1 (Peak & Average, Ch.102, (SU), MCS11)

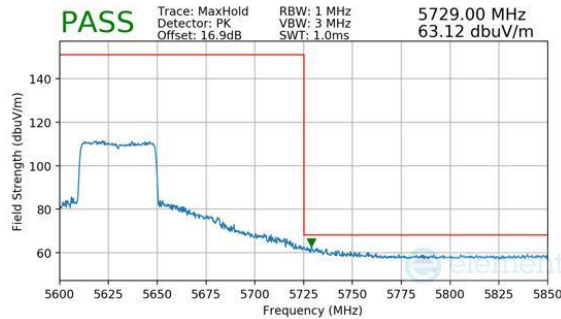


Plot 7-174. Antenna 1 (Peak & Average, Ch.54, (SU), MCS11)

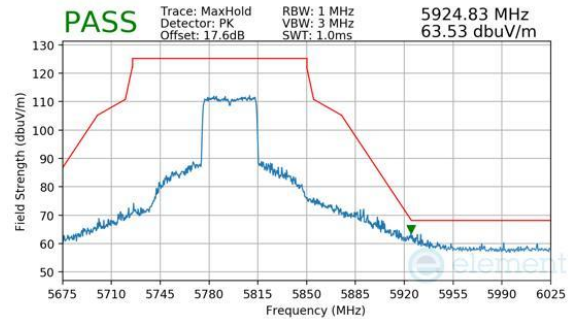


Plot 7-177. Antenna 1 (Peak & Average, Ch.110, (SU), MCS11)

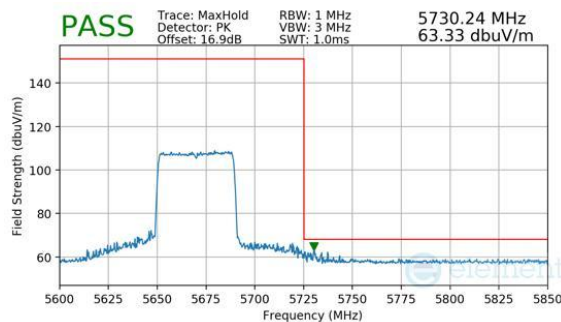
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 130 of 158



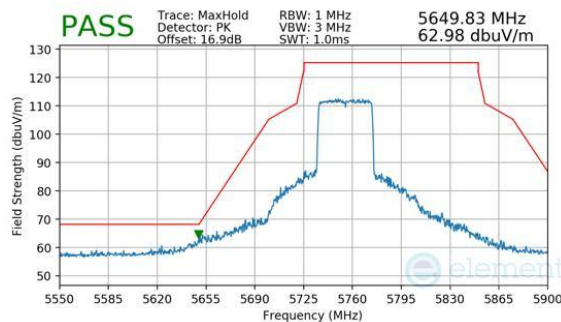
Plot 7-178. Antenna 1 (Peak, Ch.126, (SU), MCS11)



Plot 7-181. Antenna 1 (Peak, Ch.159, (SU), MCS11)



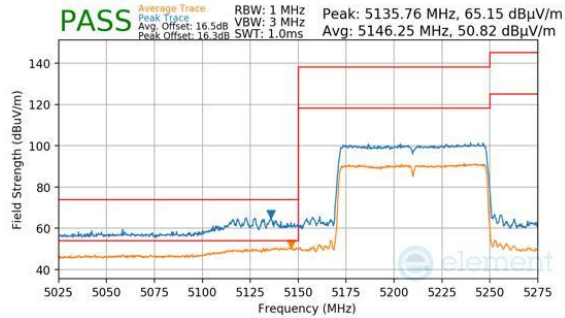
Plot 7-179. Antenna 1 (Peak, Ch.134, (SU), MCS11)



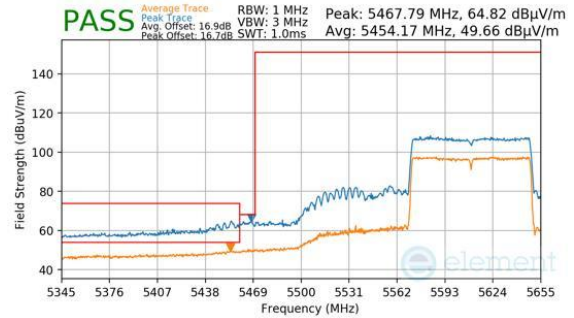
Plot 7-180. Antenna 1 (Peak, Ch.151, (SU), MCS11)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-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 158

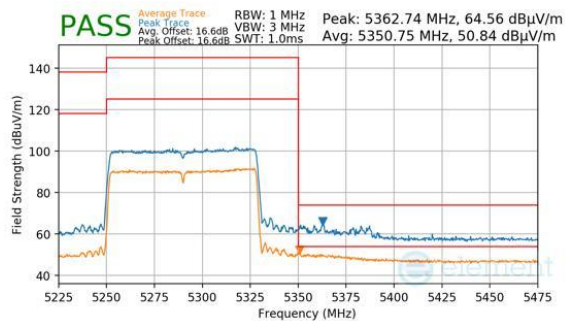
7.6.8 Antenna 1 Radiated Band Edge Measurements (80MHz BW)



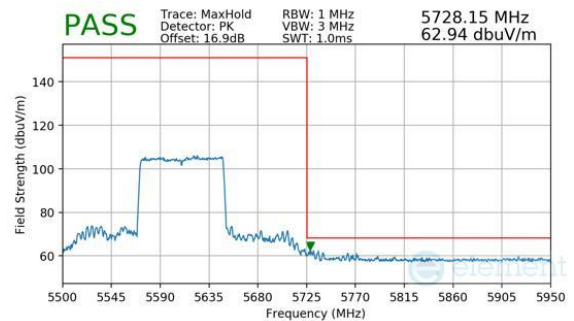
Plot 7-182. Antenna 1 (Peak & Average, Ch.42, 802.11ac, MCS8)



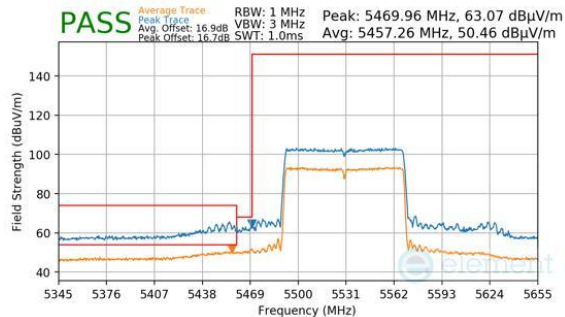
Plot 7-185. Antenna 1 (Peak & Average, Ch.122, 802.11ac, MCS8)



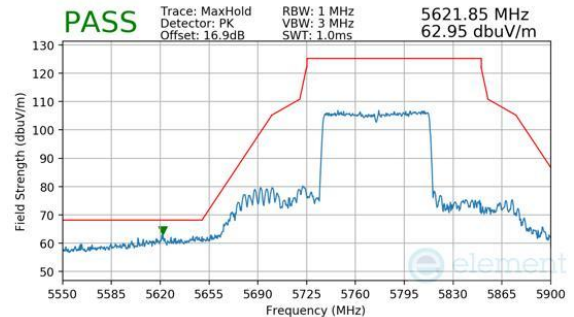
Plot 7-183. Antenna 1 (Peak & Average, Ch.58, 802.11ac, MCS8)



Plot 7-186. Antenna 1 (Peak, Ch.122, 802.11ac, MCS8)

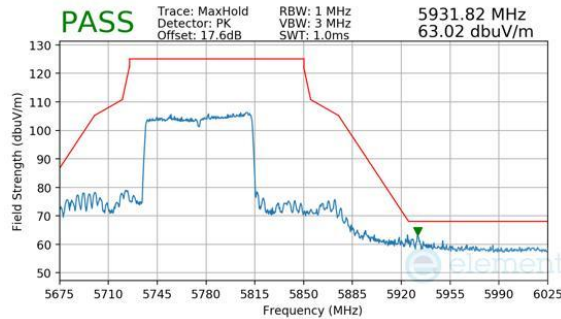


Plot 7-184. Antenna 1 (Peak & Average, Ch.106, 802.11ac, MCS8)

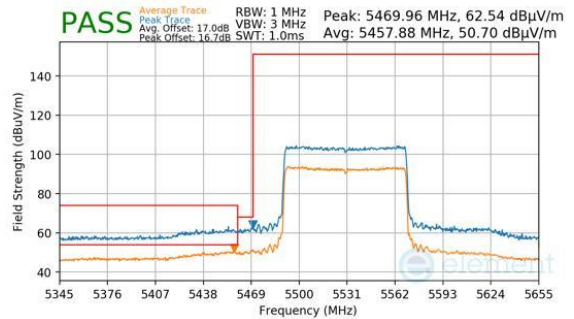


Plot 7-187. Antenna 1 (Peak, Ch.155, 802.11ac, MCS8)

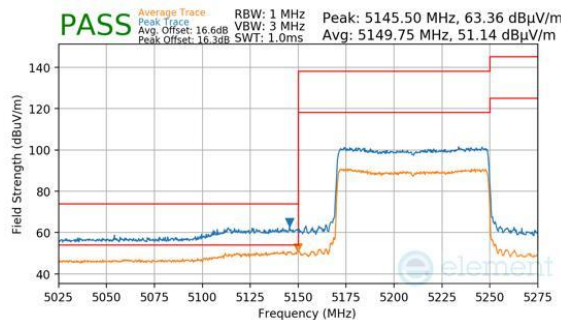
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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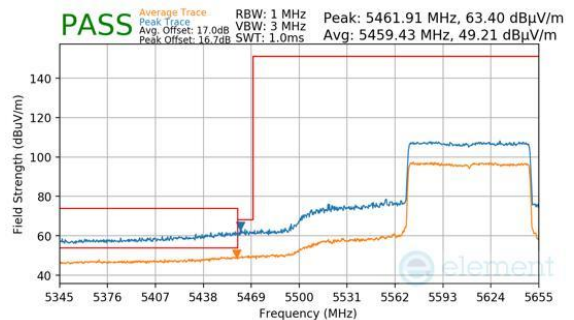
Plot 7-188. Antenna 1 (Peak, Ch.155, 802.11ac, MCS8)



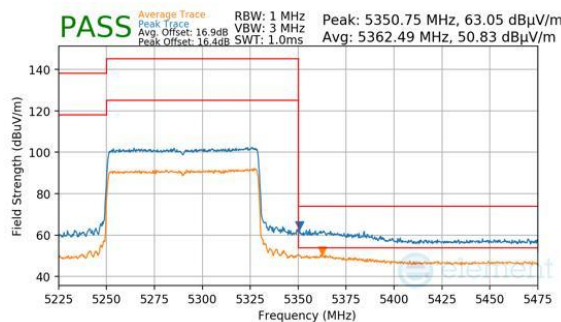
Plot 7-191. Antenna 1 (Peak & Average, Ch.106, (SU), MCS11)



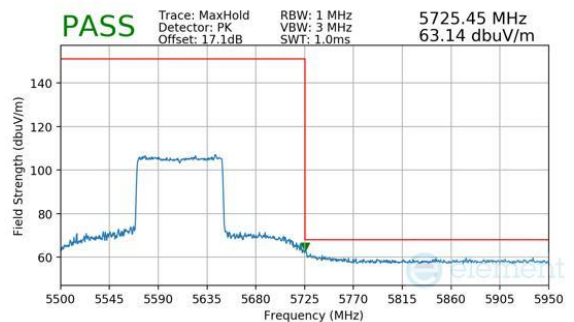
Plot 7-189. Antenna 1 (Peak & Average, Ch.42, (SU), MCS11)



Plot 7-192. Antenna 1 (Peak & Average, Ch.122, (SU), MCS11)

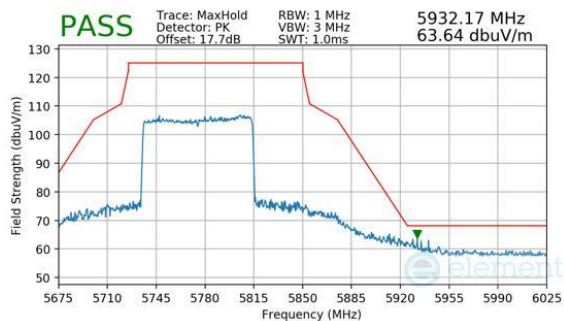
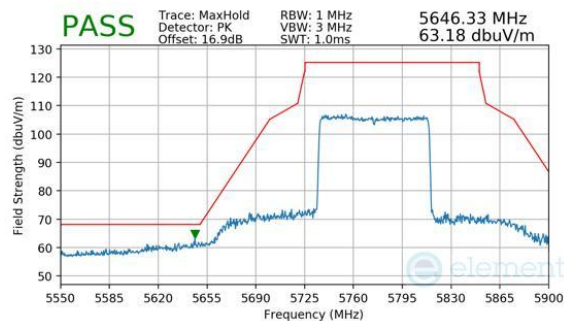


Plot 7-190. Antenna 1 (Peak & Average, Ch.58, (SU), MCS11)

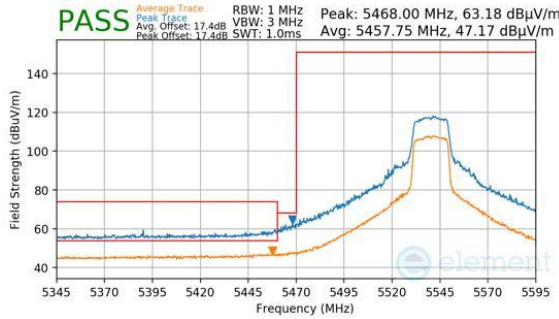


Plot 7-193. Antenna 1 (Peak, Ch.122, (SU), MCS11)

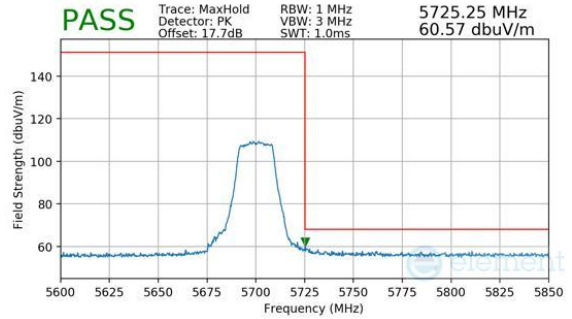
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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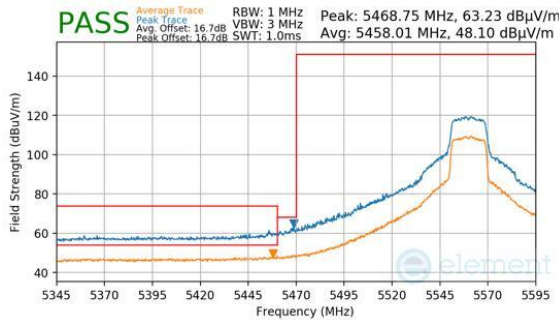
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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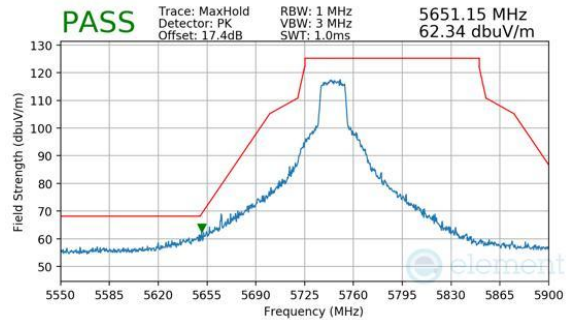
Plot 7-202. CDD (Peak & Average, Ch.108, 802.11n, MCS15)



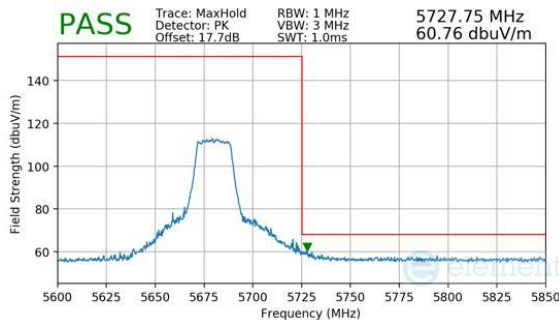
Plot 7-205. CDD (Peak, Ch.140, 802.11n, MCS15)



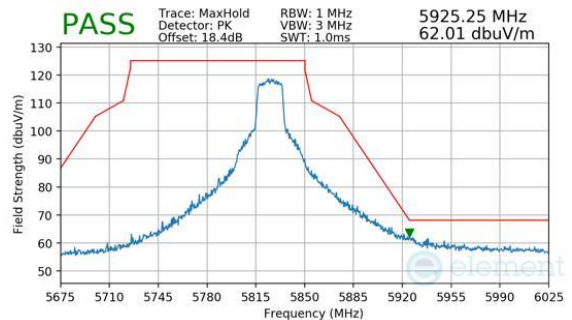
Plot 7-203. CDD (Peak & Average, Ch.112, 802.11n, MCS15)



Plot 7-206. CDD (Peak, Ch.149, 802.11n, MCS15)

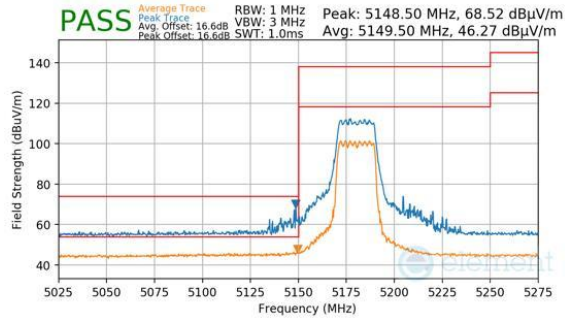


Plot 7-204. CDD (Peak, Ch.136, 802.11n, MCS15)

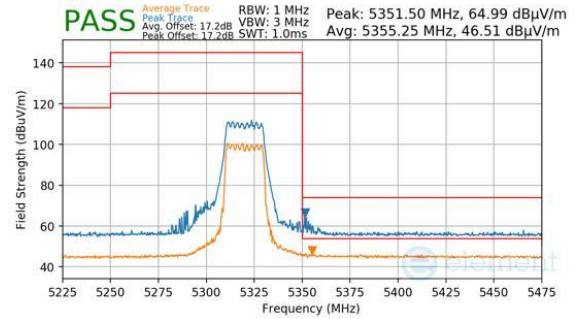


Plot 7-207. CDD (Peak, Ch.165, 802.11n, MCS15)

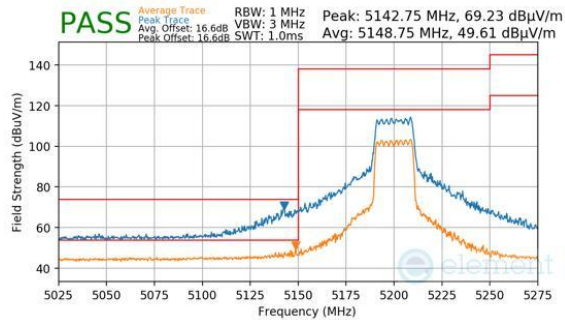
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		



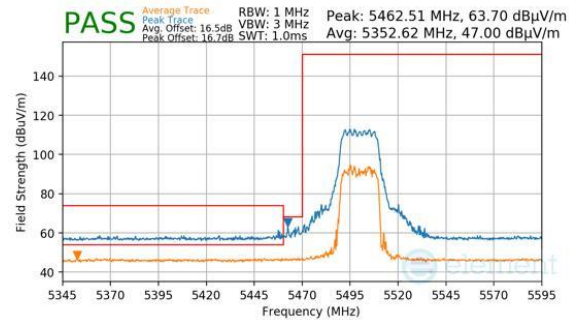
Plot 7-208. CDD (Peak & Average, Ch.36, (SU), MCS11)



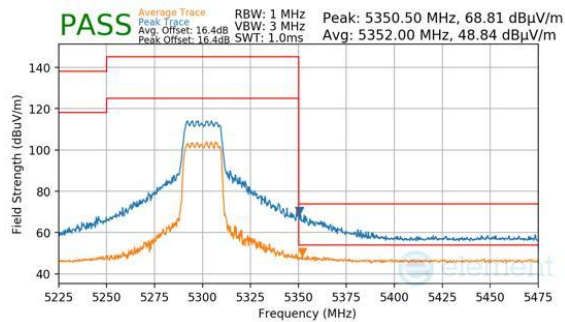
Plot 7-211. CDD (Peak & Average, Ch.64, (SU), MCS11)



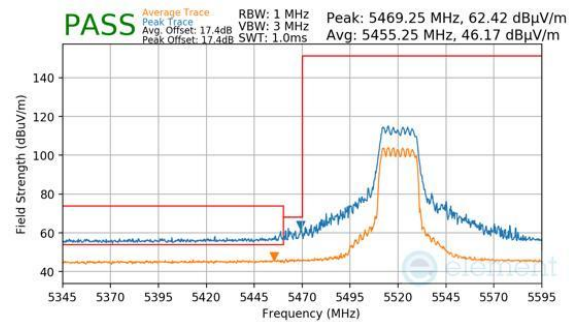
Plot 7-209. CDD (Peak & Average, Ch.40, (SU), MCS11)



Plot 7-212. CDD (Peak & Average, Ch.100, (SU), MCS11)



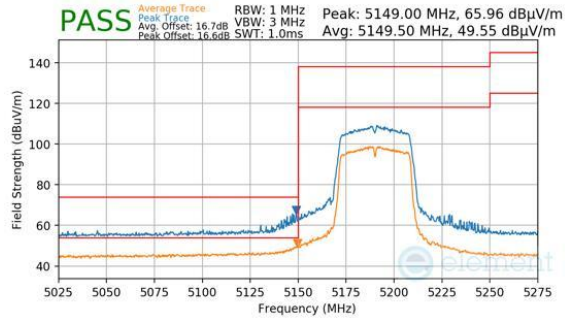
Plot 7-210. CDD (Peak & Average, Ch.60, (SU), MCS11)



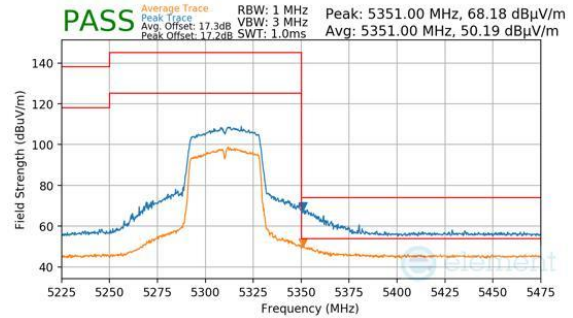
Plot 7-213. CDD (Peak & Average, Ch.104, (SU), MCS11)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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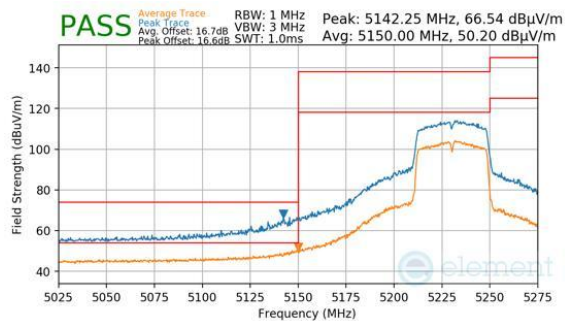
7.6.10 CDD Radiated Band Edge Measurements (40MHz BW)



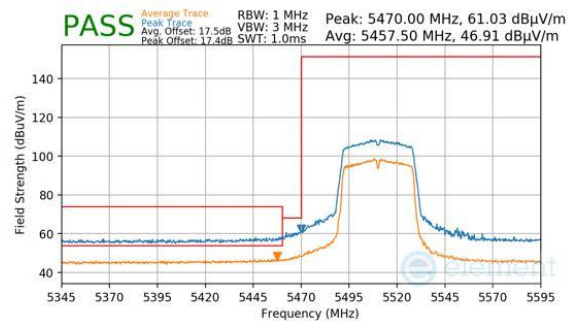
Plot 7-219. CDD (Peak & Average, Ch.38, 802.11n, MCS15)



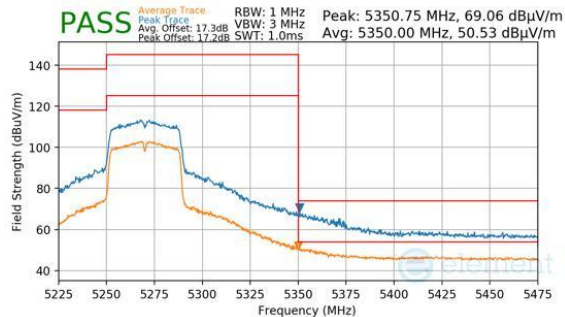
Plot 7-222. CDD (Peak & Average, Ch.62, 802.11n, MCS15)



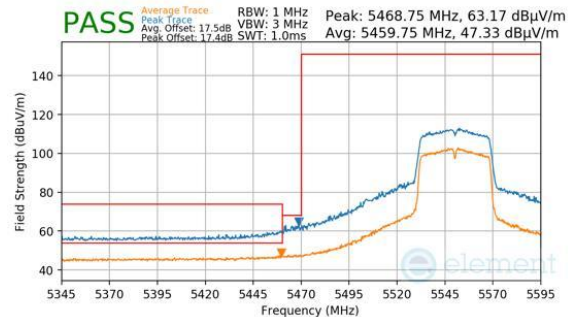
Plot 7-220. CDD (Peak & Average, Ch.46, 802.11n, MCS15)



Plot 7-223. CDD (Peak & Average, Ch.102, 802.11n, MCS15)

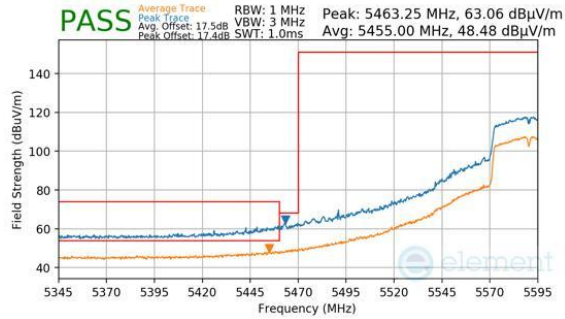


Plot 7-221. CDD (Peak & Average, Ch.54, 802.11n, MCS15)

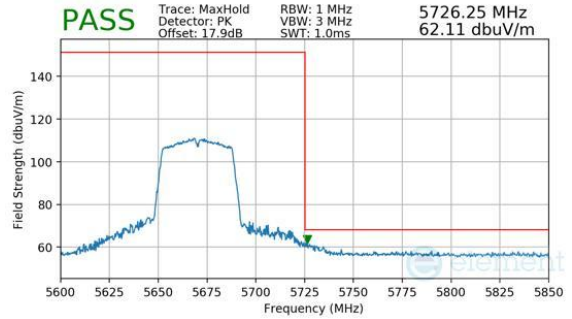


Plot 7-224. CDD (Peak & Average, Ch.110, 802.11n, MCS15)

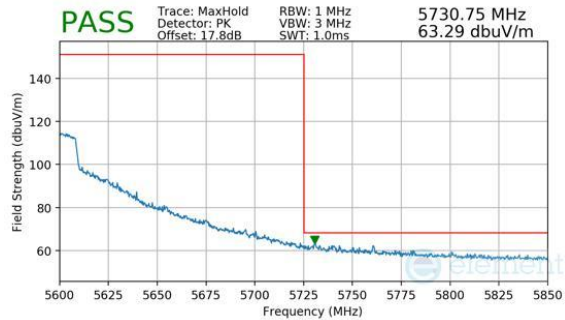
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 139 of 158



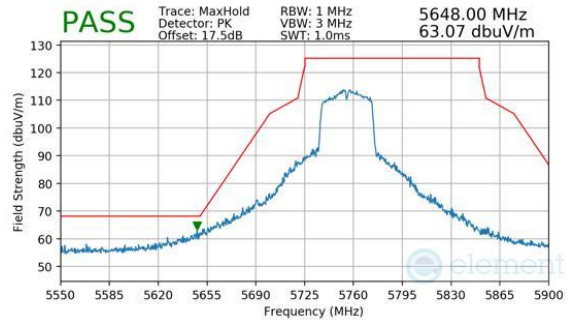
Plot 7-225. CDD (Peak & Average, Ch.118, 802.11n, MCS15)



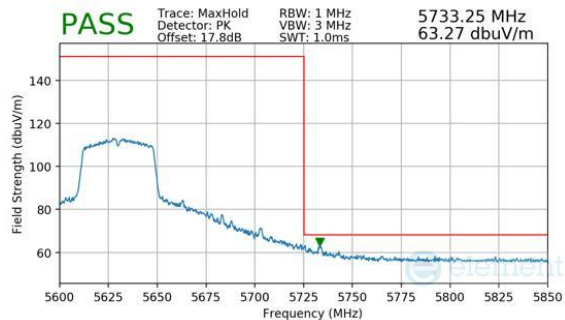
Plot 7-228. CDD (Peak, Ch.134, 802.11n, MCS15)



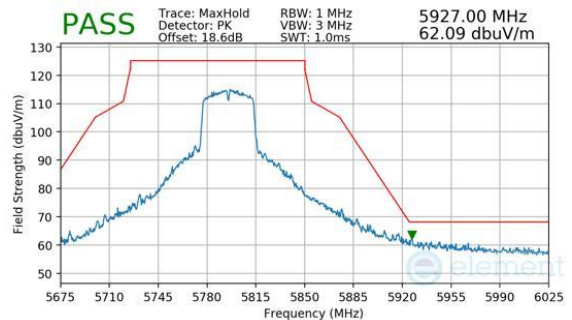
Plot 7-226. CDD (Peak, Ch.118, 802.11n, MCS15)



Plot 7-229. CDD (Peak, Ch.151, 802.11n, MCS15)

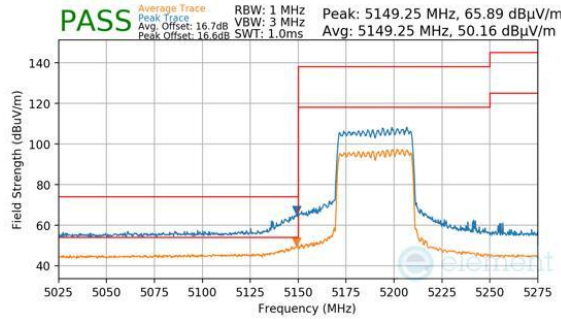


Plot 7-227. CDD (Peak, Ch.126, 802.11n, MCS15)

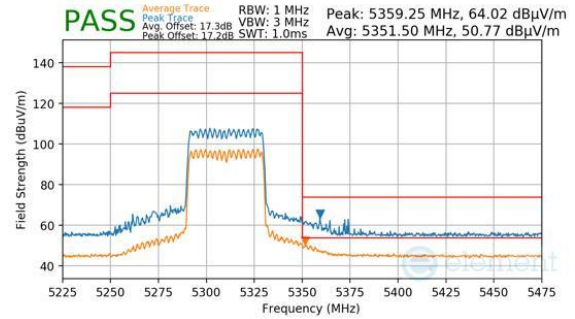


Plot 7-230. CDD (Peak, Ch.159, 802.11n, MCS15)

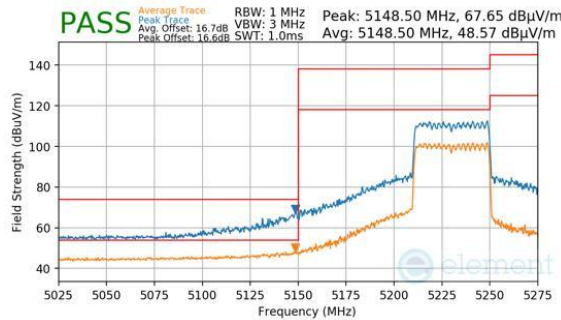
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 140 of 158



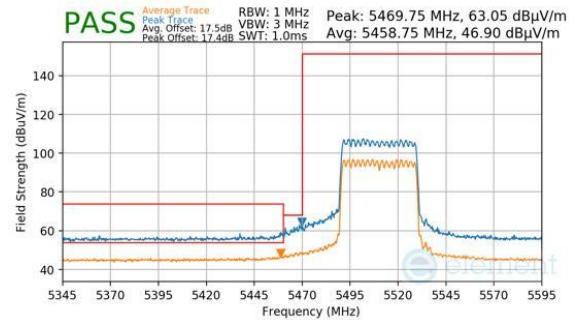
Plot 7-231. CDD (Peak & Average, Ch.38, (SU), MCS11)



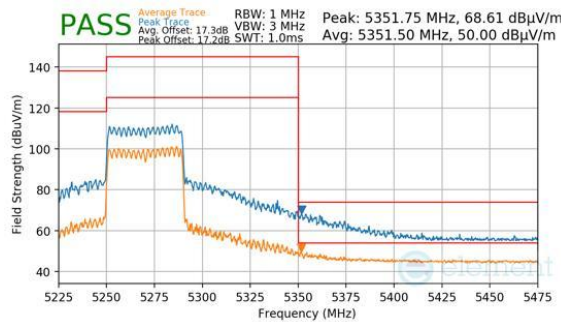
Plot 7-234. CDD (Peak & Average, Ch.62, (SU), MCS11)



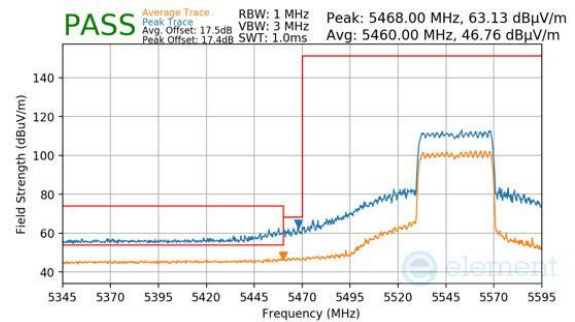
Plot 7-232. CDD (Peak & Average, Ch.46, (SU), MCS11)



Plot 7-235. CDD (Peak & Average, Ch.102, (SU), MCS11)

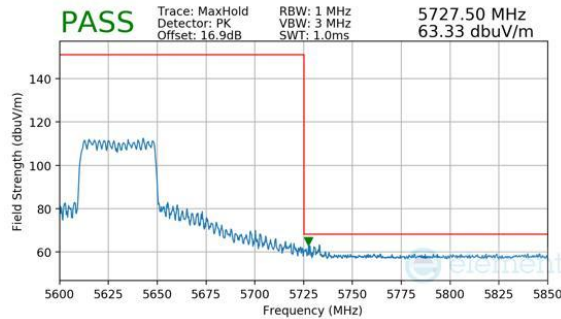


Plot 7-233. CDD (Peak & Average, Ch.54, (SU), MCS11)

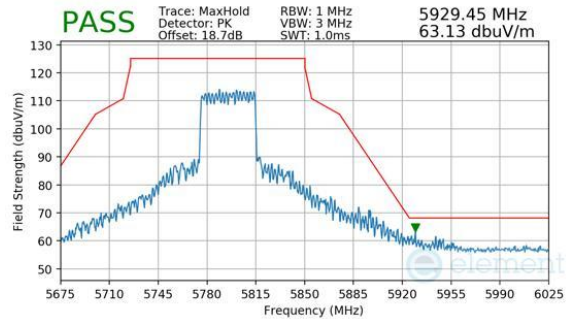


Plot 7-236. CDD (Peak & Average, Ch.110, (SU), MCS11)

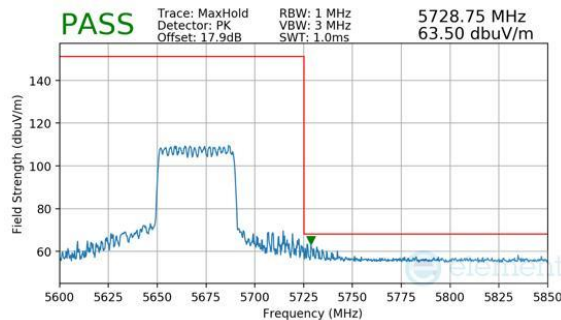
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 141 of 158



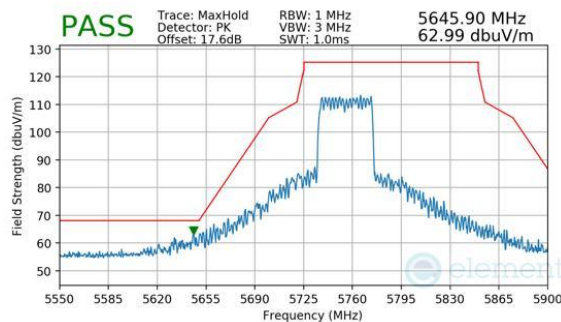
Plot 7-237. CDD (Peak, Ch.126, (SU), MCS11)



Plot 7-240. CDD (Peak, Ch.159, (SU), MCS11)

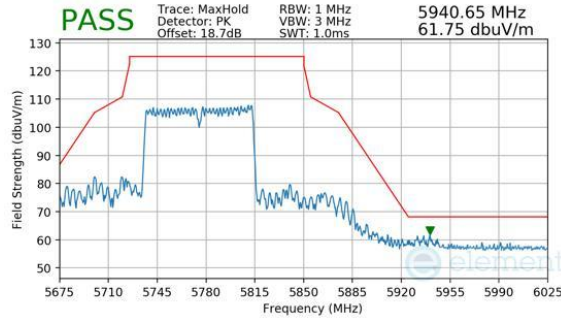


Plot 7-238. CDD (Peak, Ch.134, (SU), MCS11)

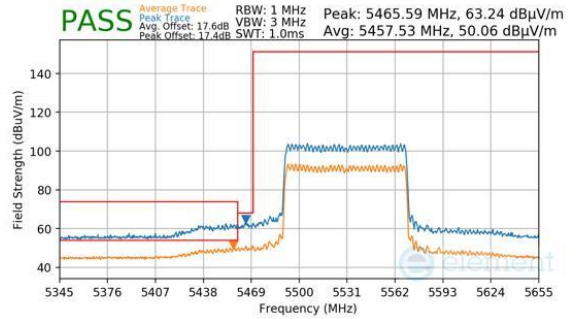


Plot 7-239. CDD (Peak, Ch.151, (SU), MCS11)

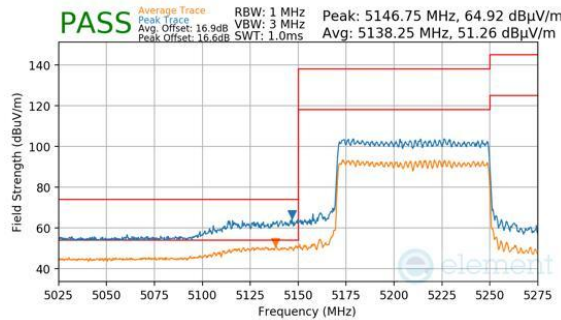
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		



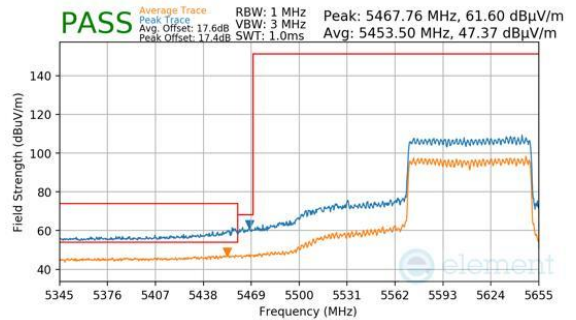
Plot 7-247. CDD (Peak, Ch.155, 802.11ac, MCS8)



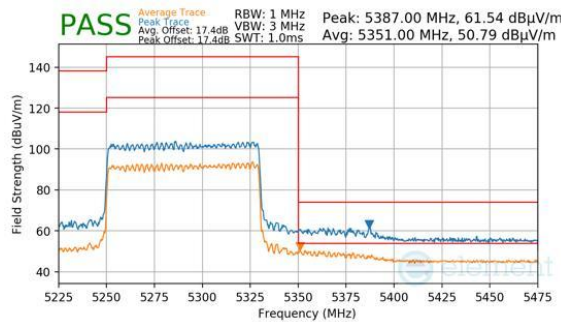
Plot 7-250. CDD (Peak & Average, Ch.106, (SU), MCS11)



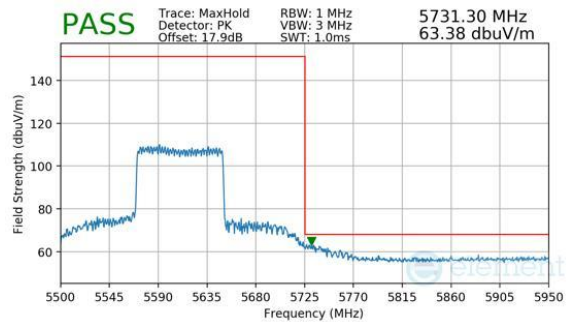
Plot 7-248. CDD (Peak & Average, Ch.42, (SU), MCS11)



Plot 7-251. CDD (Peak & Average, Ch.122, (SU), MCS11)

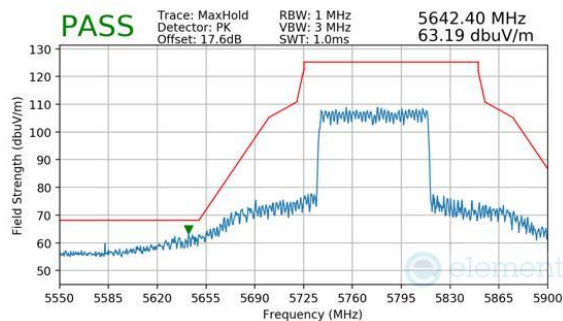


Plot 7-249. CDD (Peak & Average, Ch.58, (SU), MCS11)

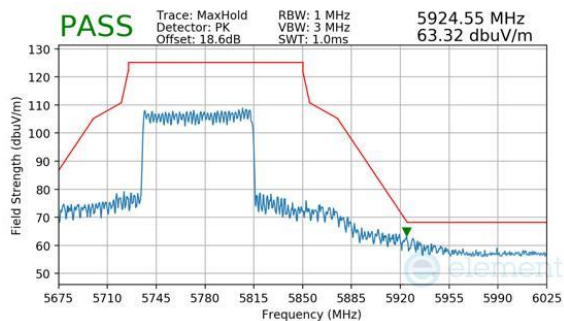


Plot 7-252. CDD (Peak, Ch.122, (SU), MCS11)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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Plot 7-253. CDD (Peak, Ch.155, (SU), MCS11)



Plot 7-254. CDD (Peak, Ch.155, (SU), MCS11)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-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 158

7.7 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 6 of RSS-Gen (7.5) must not exceed the limits shown in Table 7-85 per Section 15.209 and RSS-Gen (7.4.3).

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

Table 7-85. 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

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Test Setup

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

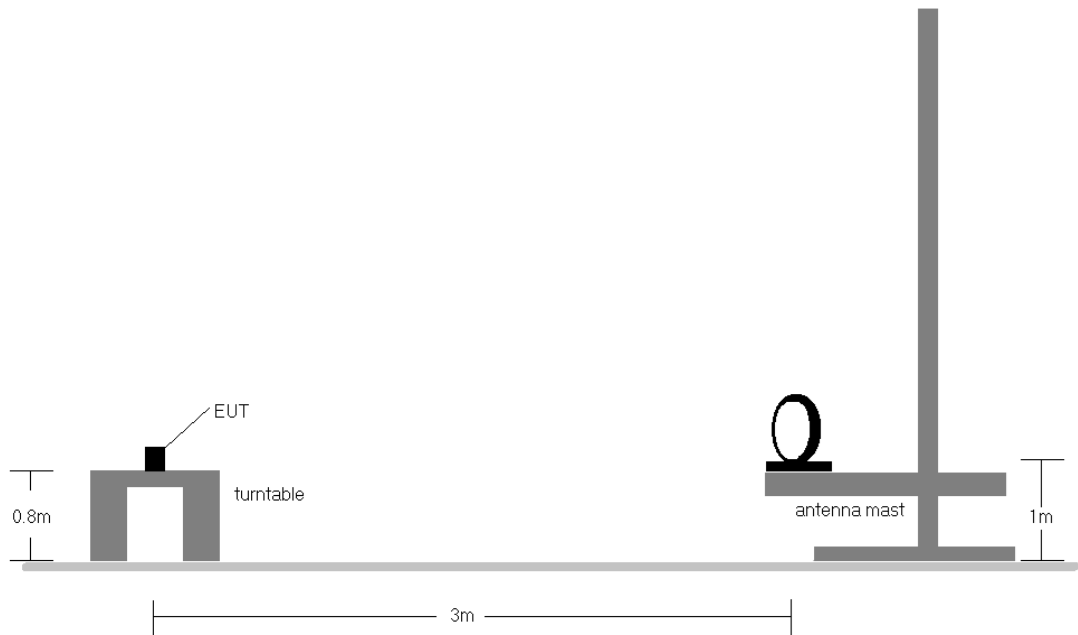


Figure 7-6. Radiated Test Setup < 30MHz

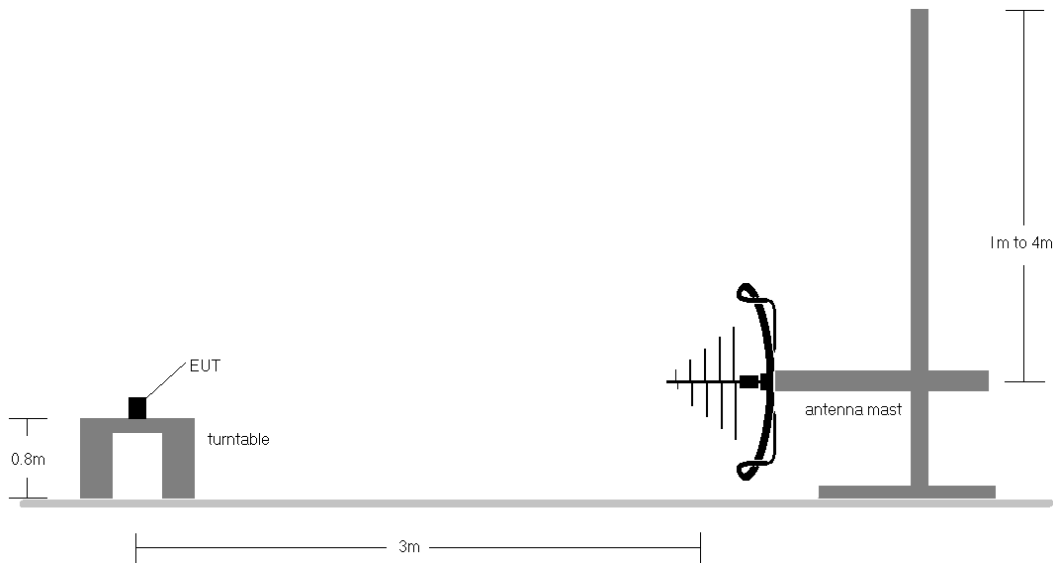


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	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 7-85.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through one orthogonal plane. 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 while powered by an AC power source.
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.

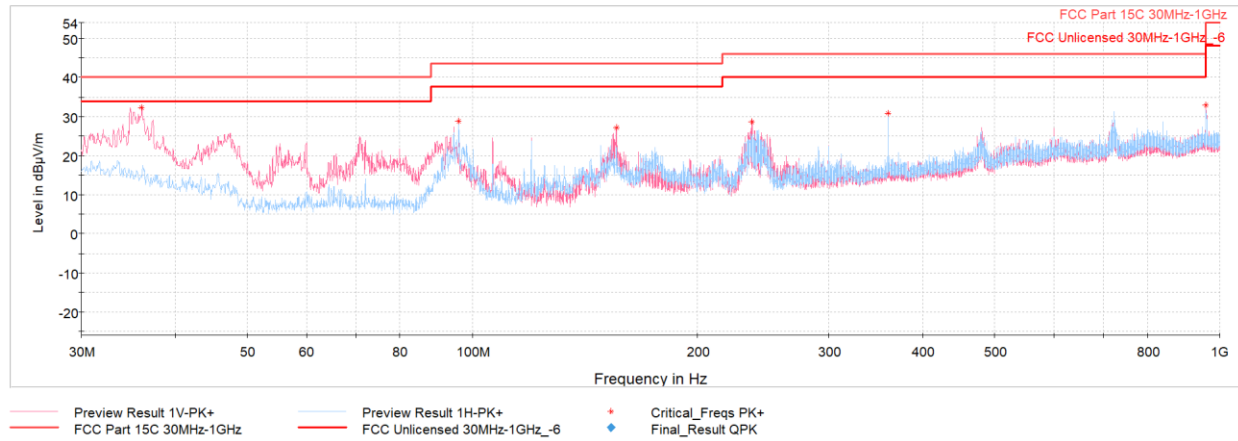
Sample Calculations

Determining Spurious Emissions Levels

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

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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7.7.1 CDD Radiated Spurious Emissions Measurements (Below 1GHz)

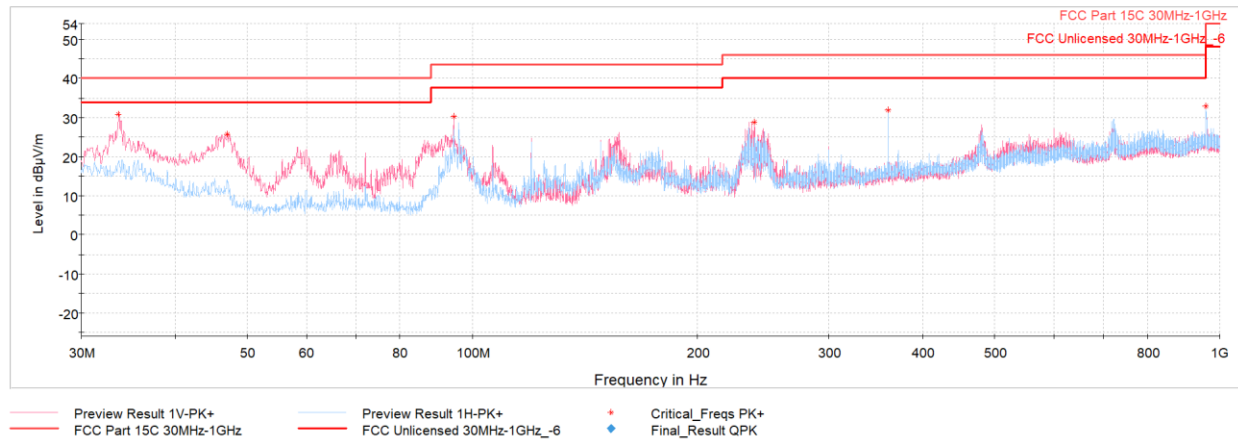


Plot 7-255. Radiated Spurious Emissions below 1GHz CDD , 802.11n, Ch.36 with AC/DC Adapter

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]
36.11	Max-Peak	V	100	24	-54.92	-19.82	32.26	40.00	-7.74
95.96	Max-Peak	H	200	159	-56.55	-21.76	28.69	43.52	-14.83
155.86	Max-Peak	V	100	206	-61.63	-18.20	27.17	43.52	-16.35
236.80	Max-Peak	V	100	346	-62.48	-15.90	28.62	46.02	-17.40
359.95	Max-Peak	H	100	296	-63.65	-12.55	30.80	46.02	-15.22
960.04	Max-Peak	V	100	218	-70.15	-3.89	32.96	53.98	-21.02

Table 7-86. Radiated Spurious Emissions below 1GHz CDD , 802.11n, Ch.36 with AC/DC Adapter

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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Plot 7-256. Radiated Spurious Emissions below 1GHz CDD , 802.11ax (SU), Ch.116 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]
33.64	Max-Peak	V	100	79	-57.41	-18.69	30.90	40.00	-9.10
46.98	Max-Peak	V	100	159	-58.32	-23.00	25.68	40.00	-14.32
94.46	Max-Peak	V	100	204	-55.23	-21.54	30.23	43.52	-13.29
238.45	Max-Peak	V	100	0	-62.30	-15.85	28.85	46.02	-17.17
359.99	Max-Peak	H	100	278	-62.67	-12.55	31.78	46.02	-14.24
960.04	Max-Peak	H	100	98	-71.06	-2.98	32.96	53.98	-21.02

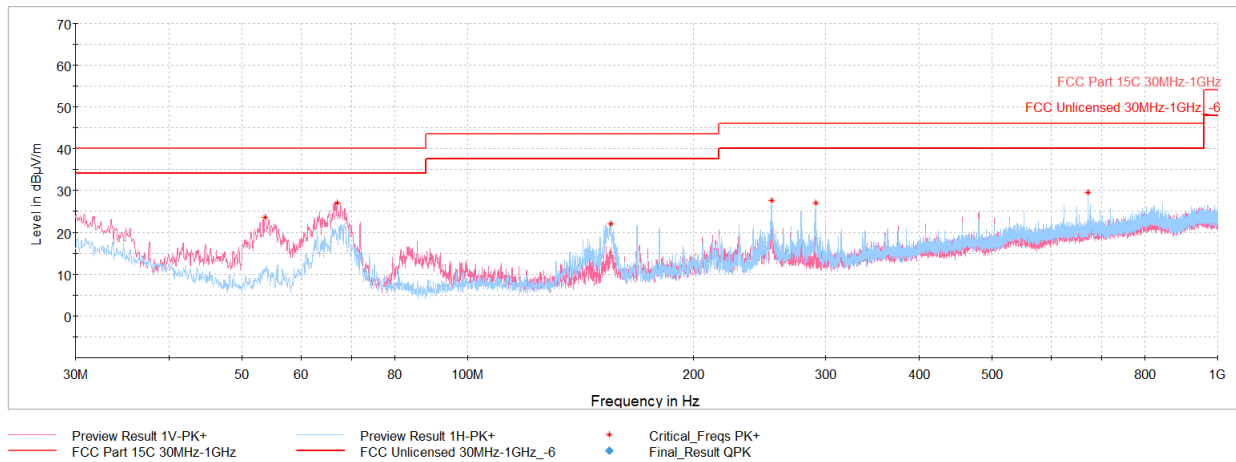
Table 7-87. Radiated Spurious Emissions below 1GHz CDD , 802.11ax (SU), Ch.116 with AC/DC Adapter

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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7.7.2 Simultaneous TX Radiated Spurious Emissions Measurements (Below 1GHz)

Description	Bluetooth	UNII
Antenna	Antenna 0	Antenna 0
Channel	78	36
Operating Frequency (MHz)	2480	5180
Mode/Modulation	GFSK iPA	802.11n

Table 7-88. Worst Case Simultaneous Transmission Configuration



Plot 7-257. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 1GHz, 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]
53.77	Max-Peak	V	100	356	-61.21	-22.19	23.60	40.00	-16.40
67.01	Max-Peak	V	200	137	-57.12	-23.05	26.83	40.00	-13.17
155.18	Max-Peak	H	200	225	-66.43	-18.44	22.13	43.52	-21.39
254.31	Max-Peak	H	100	221	-63.64	-15.81	27.55	46.02	-18.47
290.74	Max-Peak	H	100	234	-64.64	-15.48	26.88	46.02	-19.14
671.95	Max-Peak	H	200	159	-71.40	-6.20	29.40	46.02	-16.62

Table 7-89. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 1GHz, with AC/DC Adapter)

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7.8 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 7-90. 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.

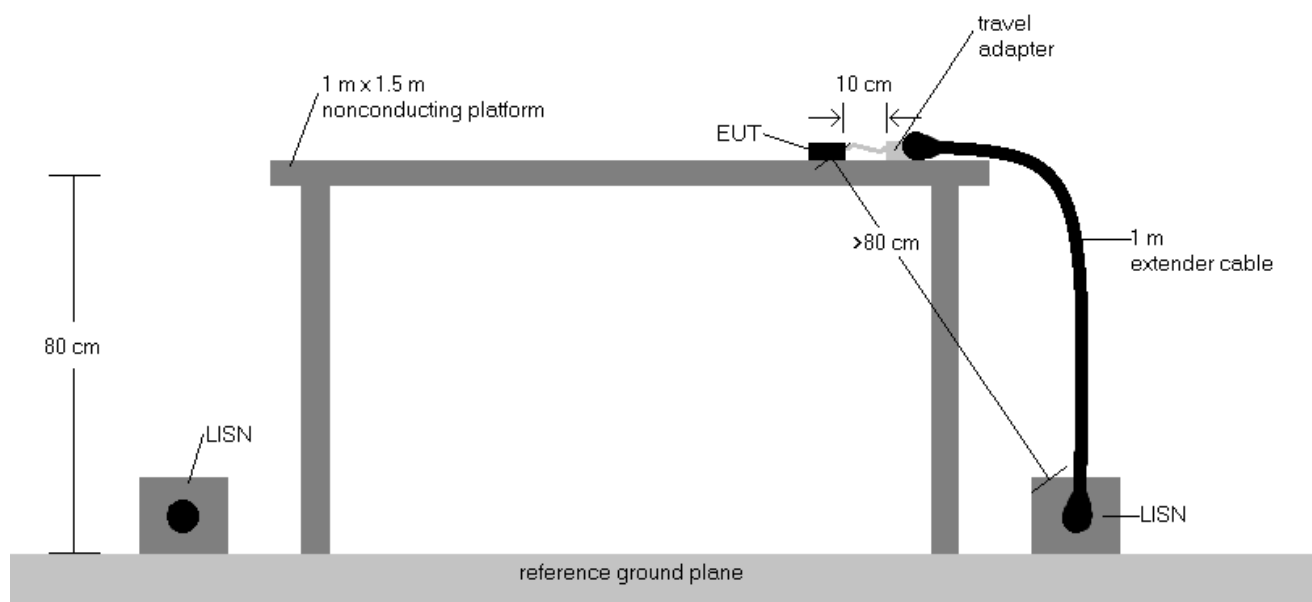


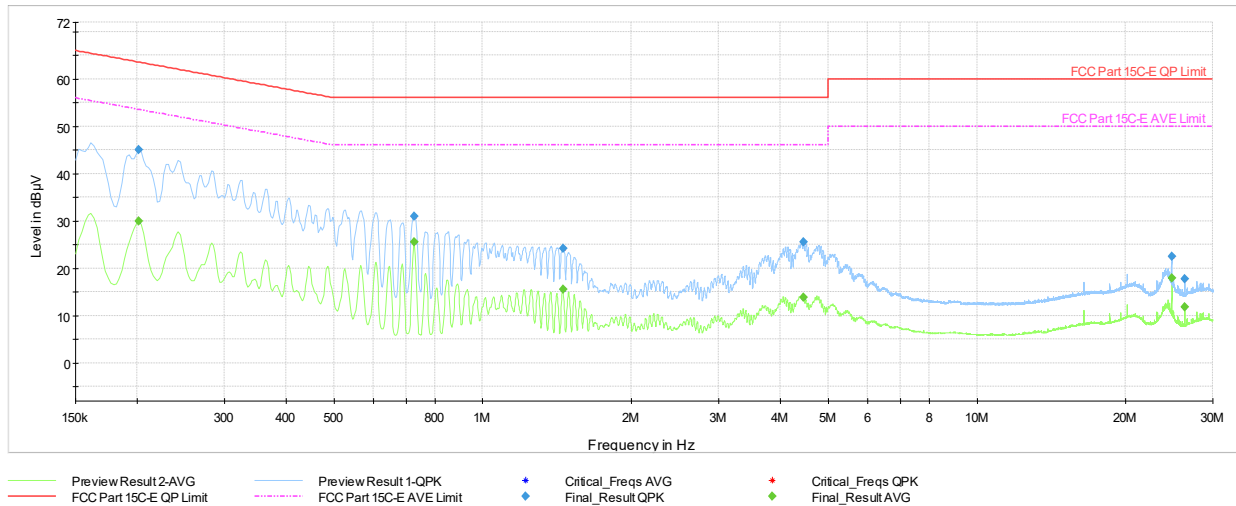
Figure 7-8. Test Instrument & Measurement Setup

Test Notes

- 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.
- Both configurations below were investigated, and the worst case has been reported.
 - EUT powered by AC/DC adaptor via USB-C cable.
- The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (7.4.2).
- $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
- $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
- $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
- Traces shown in plots are made using quasi-peak and average detectors.
- Deviations to the Specifications: None.
- The unit was tested with all possible modes and only the highest emission is reported.

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7.8.1 CDD AC Line-Conducted Emissions Measurement

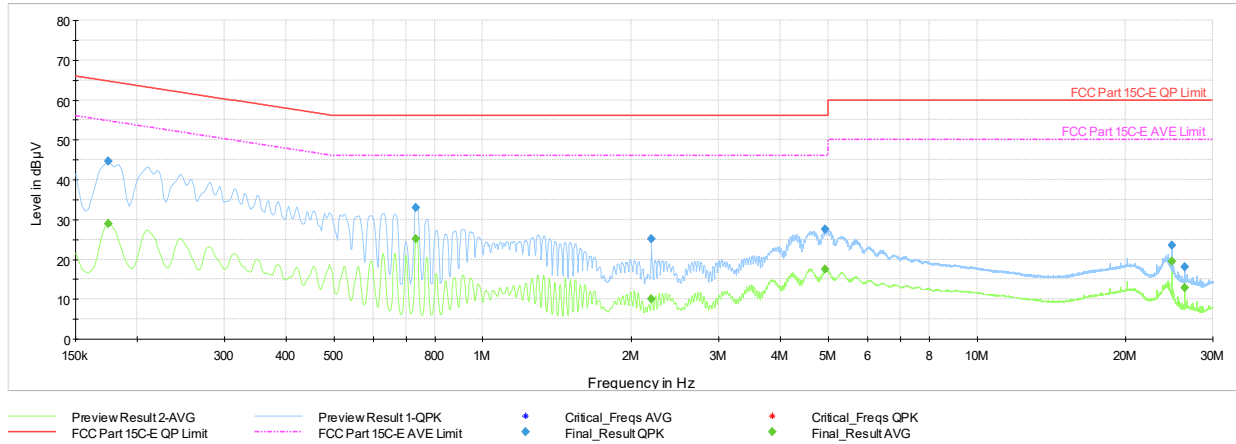


Plot 7-258. AC Line Conducted Plot with 802.11n CDD – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.202	FINAL	---	30.04	53.54	-23.5	L1	GND
0.202	FINAL	45.09	---	63.54	-18.4	L1	GND
0.726	FINAL	---	25.55	46.00	-20.5	L1	GND
0.726	FINAL	30.99	---	56.00	-25.0	L1	GND
1.453	FINAL	---	15.62	46.00	-30.4	L1	GND
1.453	FINAL	24.16	---	56.00	-31.8	L1	GND
4.466	FINAL	25.55	---	56.00	-30.5	L1	GND
4.466	FINAL	---	13.94	46.00	-32.1	L1	GND
24.761	FINAL	22.45	---	60.00	-37.6	L1	GND
24.761	FINAL	---	17.96	50.00	-32.1	L1	GND
26.309	FINAL	---	11.86	50.00	-38.1	L1	GND
26.309	FINAL	17.74	---	60.00	-42.3	L1	GND

Table 7-91. AC Line Conducted Data with 802.11n CDD – Ch.36 (L1) with AC/DC adapter

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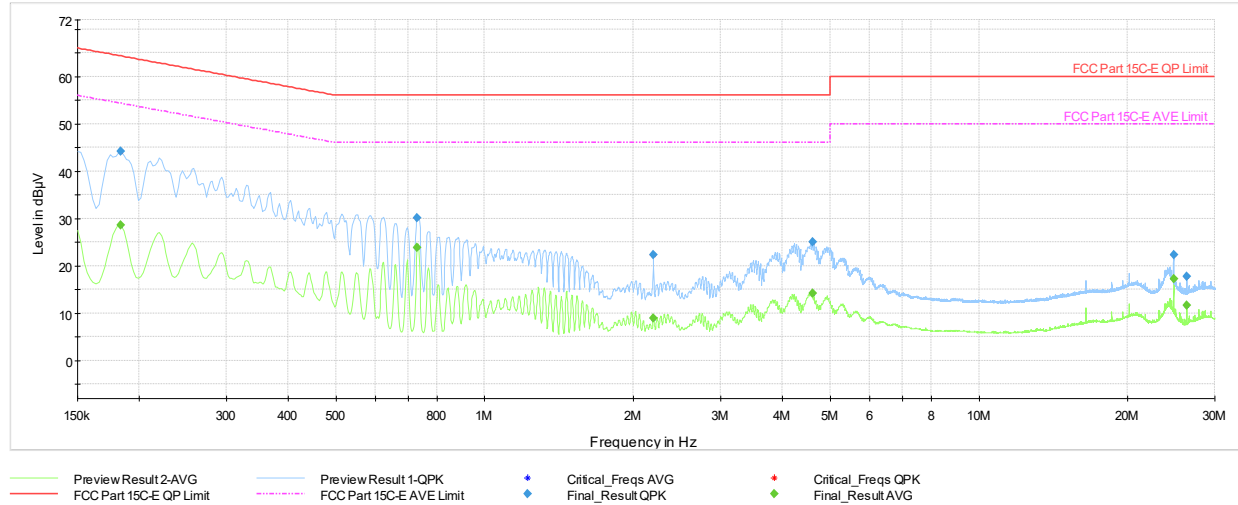


Plot 7-259. AC Line Conducted Plot with 802.11n CDD – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.175	FINAL	---	29.00	54.73	-25.7	N	GND
0.175	FINAL	44.53	---	64.73	-20.2	N	GND
0.733	FINAL	---	25.20	46.00	-20.8	N	GND
0.733	FINAL	32.99	---	56.00	-23.0	N	GND
2.195	FINAL	---	10.08	46.00	-35.9	N	GND
2.195	FINAL	25.03	---	56.00	-31.0	N	GND
4.934	FINAL	27.58	---	56.00	-28.4	N	GND
4.934	FINAL	---	17.42	46.00	-28.6	N	GND
24.767	FINAL	23.59	---	60.00	-36.4	N	GND
24.767	FINAL	---	19.40	50.00	-30.6	N	GND
26.318	FINAL	---	12.86	50.00	-37.1	N	GND
26.318	FINAL	18.13	---	60.00	-41.9	N	GND

Table 7-92. AC Line Conducted Data with 802.11n CDD – Ch.36 (N), with AC/DC adapter

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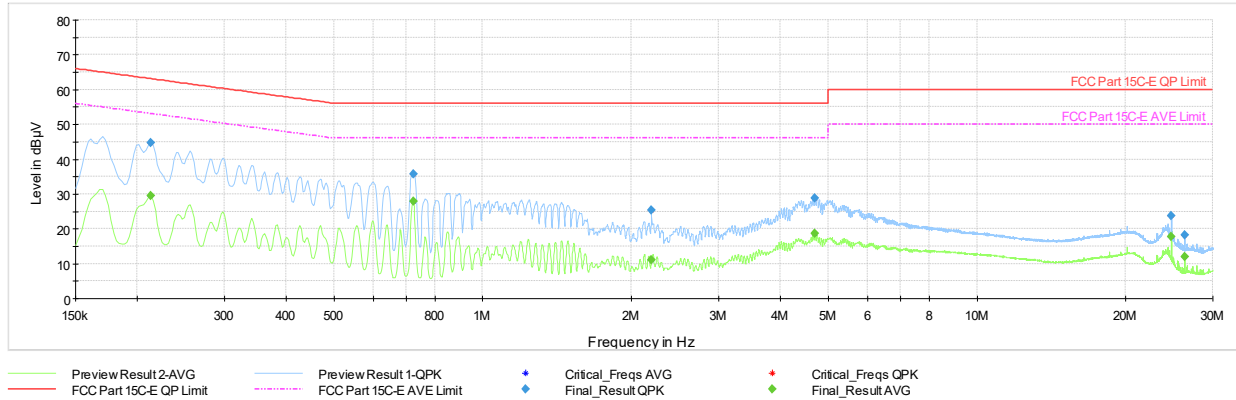


Plot 7-260. AC Line Conducted Plot with 802.11ax(SU) CDD – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.184	FINAL	---	28.58	54.31	-25.7	L1	GND
0.184	FINAL	44.27	---	64.31	-20.0	L1	GND
0.731	FINAL	---	23.92	46.00	-22.1	L1	GND
0.731	FINAL	30.06	---	56.00	-25.9	L1	GND
2.193	FINAL	---	8.91	46.00	-37.1	L1	GND
2.193	FINAL	22.32	---	56.00	-33.7	L1	GND
4.603	FINAL	25.00	---	56.00	-31.0	L1	GND
4.603	FINAL	---	14.13	46.00	-31.9	L1	GND
24.758	FINAL	22.25	---	60.00	-37.8	L1	GND
24.758	FINAL	---	17.28	50.00	-32.7	L1	GND
26.309	FINAL	---	11.68	50.00	-38.3	L1	GND
26.309	FINAL	17.74	---	60.00	-42.3	L1	GND

Table 7-93. AC Line Conducted Data with 802.11ax(SU) CDD – Ch.36 (L1) with AC/DC adapter

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Plot 7-261. AC Line Conducted Plot with 802.11ax(SU) CDD – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.213	FINAL	---	29.51	53.09	-23.6	N	GND
0.213	FINAL	44.81	---	63.09	-18.3	N	GND
0.724	FINAL	---	27.98	46.00	-18.0	N	GND
0.724	FINAL	35.85	---	56.00	-20.2	N	GND
2.195	FINAL	---	11.04	46.00	-35.0	N	GND
2.195	FINAL	25.32	---	56.00	-30.7	N	GND
4.702	FINAL	28.86	---	56.00	-27.1	N	GND
4.702	FINAL	---	18.61	46.00	-27.4	N	GND
24.754	FINAL	23.64	---	60.00	-36.4	N	GND
24.754	FINAL	---	17.78	50.00	-32.2	N	GND
26.306	FINAL	---	12.07	50.00	-37.9	N	GND
26.306	FINAL	18.13	---	60.00	-41.9	N	GND

Table 7-94. AC Line Conducted Data with 802.11ax(SU) CDD – Ch.36 (N), with AC/DC adapter

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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-247 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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V 12.0 03/03/2026

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