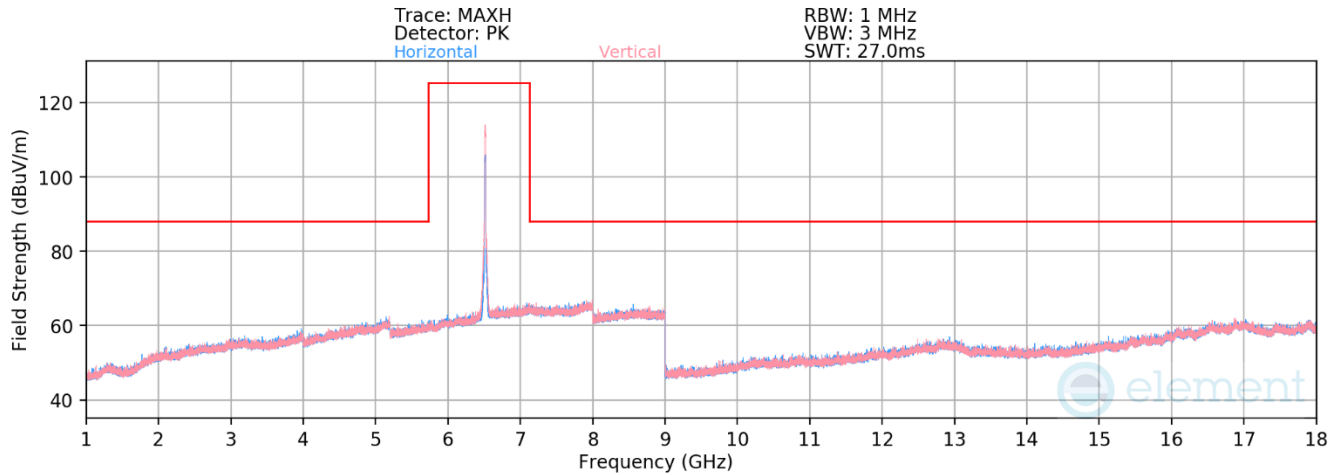




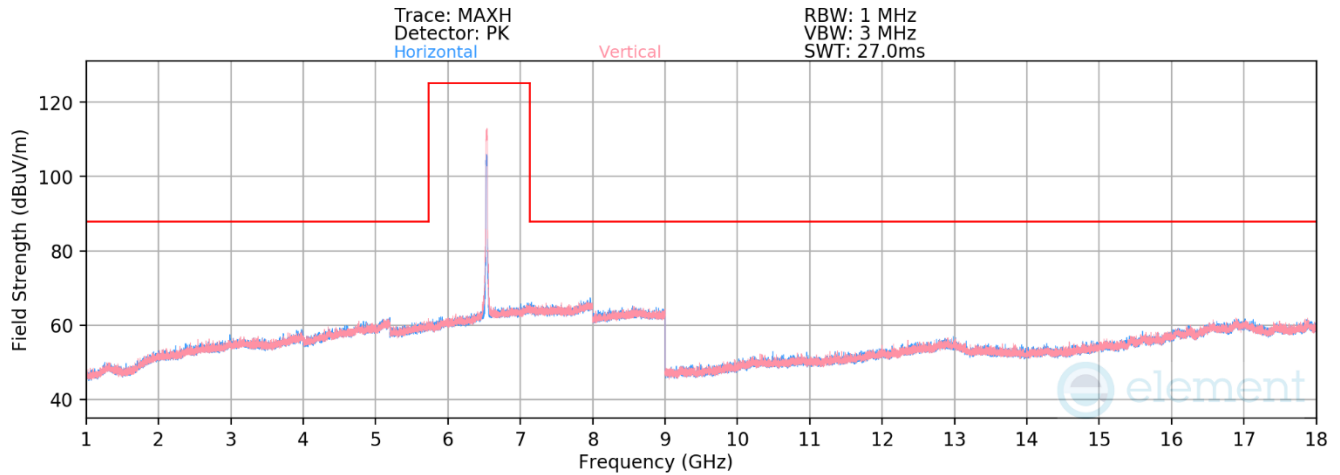
Plot 7-308. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 113)

Mode: 802.11ax
Data Rate: MCS2
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	H	-	-	-85.07	21.75	43.68	68.23	-24.55
13030.00	Peak	H	-	-	-73.53	21.75	55.22	88.23	-33.01

Table 7-48. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171



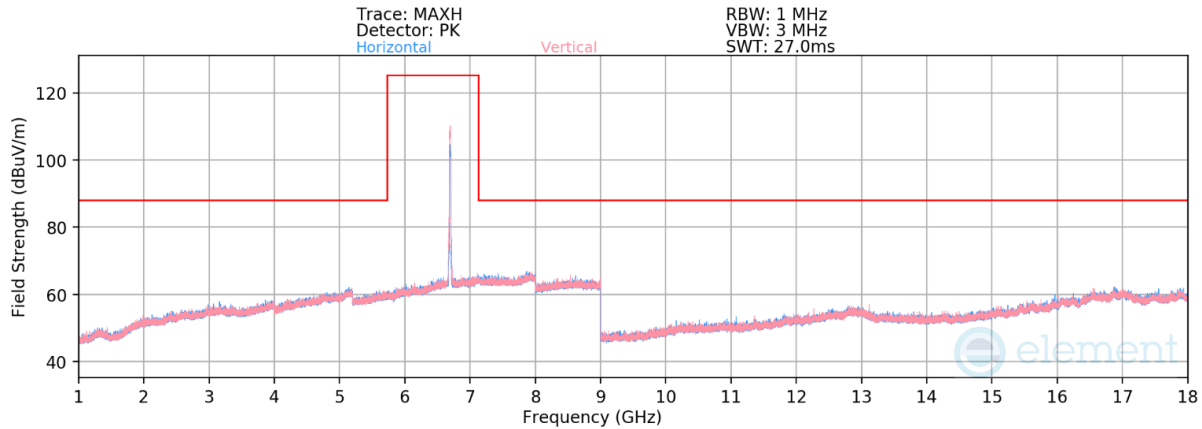
Plot 7-309. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 117)

Mode: 802.11ax
Data Rate: MCS2
Distance of Measurements: 3 Meters
Operating Frequency: 6535MHz
Channel: 117

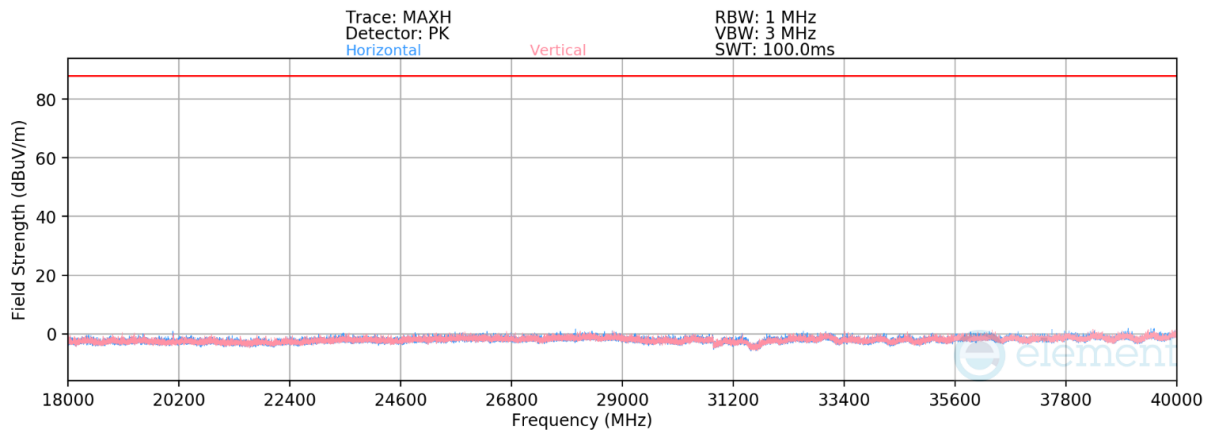
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13070.00	Average	H	-	-	-85.33	22.11	43.78	68.23	-24.45
13070.00	Peak	H	-	-	-74.34	22.11	54.77	88.23	-33.46

Table 7-49. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171



Plot 7-310. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 149)



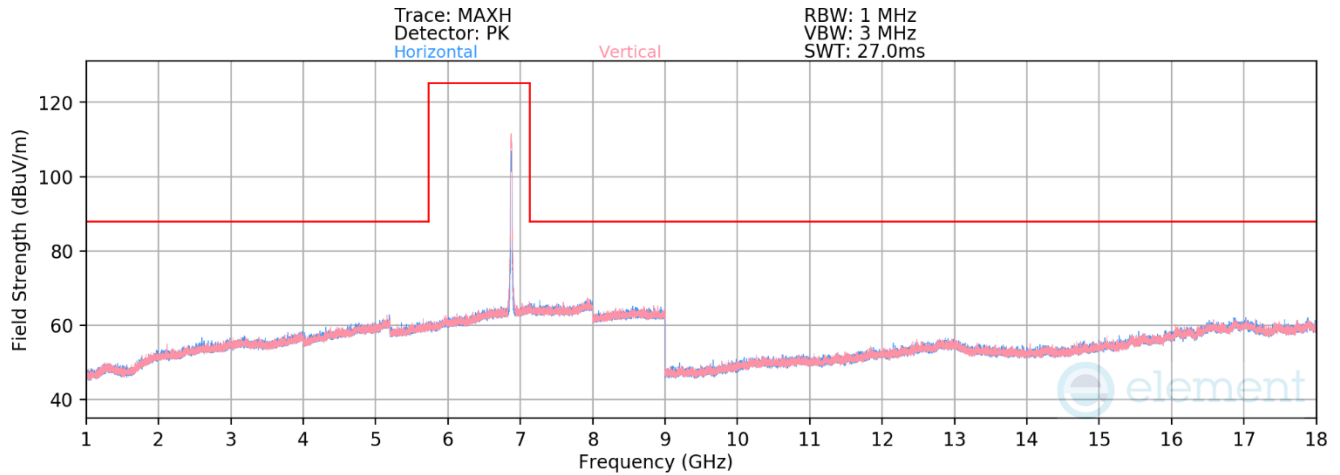
Plot 7-311. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 149)

Mode: 802.11ax
Data Rate: MCS2
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]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 13390.00	Average	H	-	-	-85.21	21.76	43.55	53.98	-10.43
* 13390.00	Peak	H	-	-	-74.00	21.76	54.76	73.98	-19.22

Table 7-50. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171



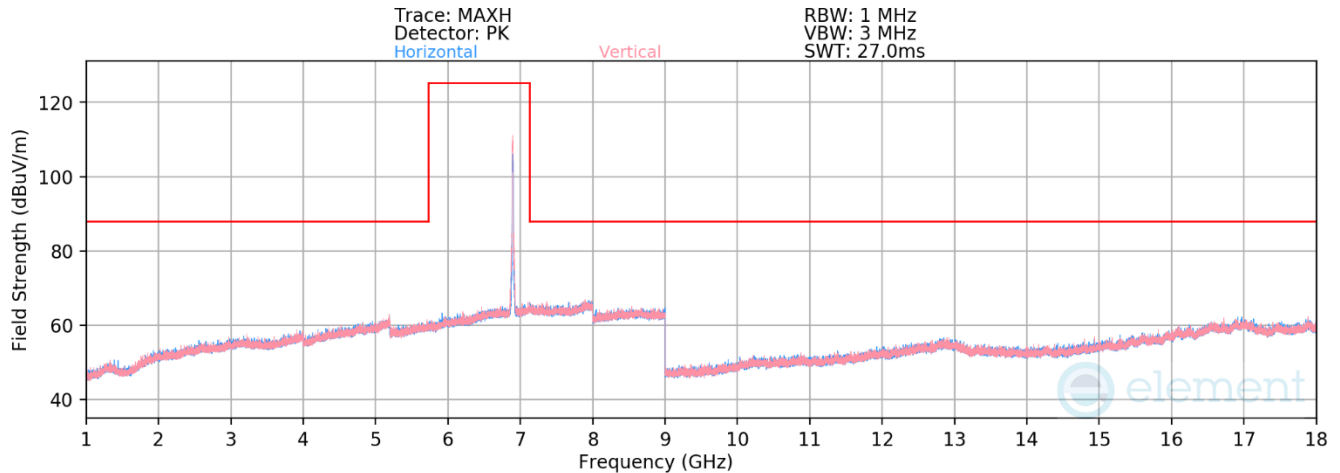
Plot 7-312. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 185)

Mode: 802.11ax
Data Rate: MCS2
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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13750.00	Average	V	-	-	-85.96	21.78	42.82	68.23	-25.41
13750.00	Peak	V	-	-	-73.94	21.78	54.84	88.23	-33.39

Table 7-51. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171



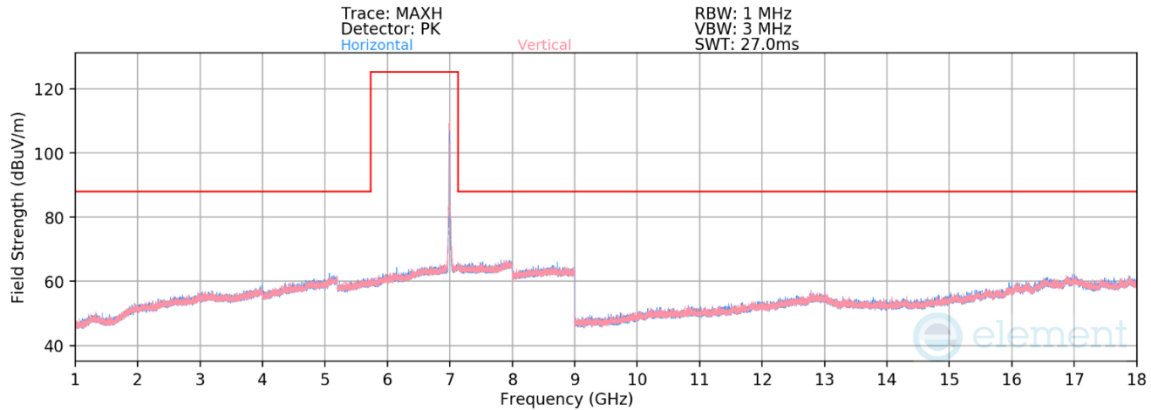
Plot 7-313. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 189)

Mode: 802.11ax
Data Rate: MCS2
Distance of Measurements: 3 Meters
Operating Frequency: 6895MHz
Channel: 189

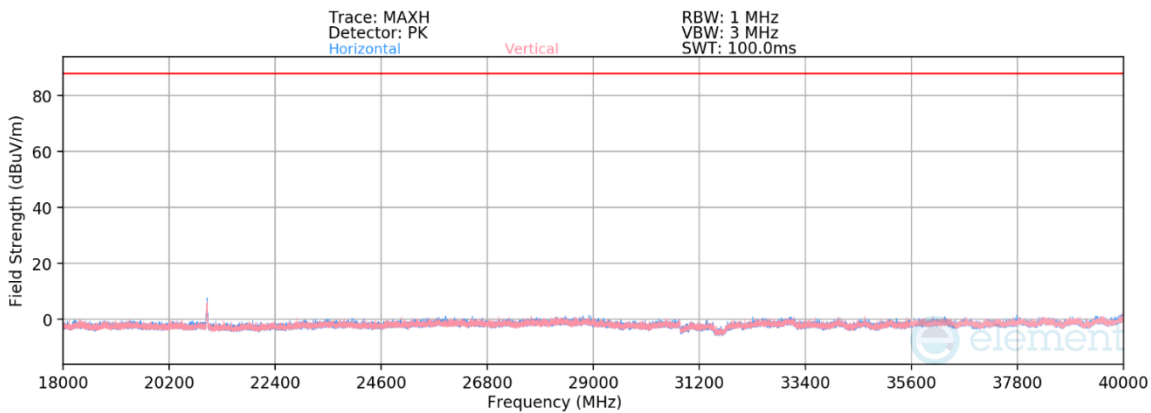
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13790.00	Average	H	-	-	-85.65	21.78	43.13	68.23	-25.10
13790.00	Peak	H	-	-	-74.51	21.78	54.27	88.23	-33.96

Table 7-52. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171



Plot 7-314. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 209)



Plot 7-315. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 209)

Mode: 802.11ax

Data Rate: MCS2

Distance of Measurements: 3 Meters

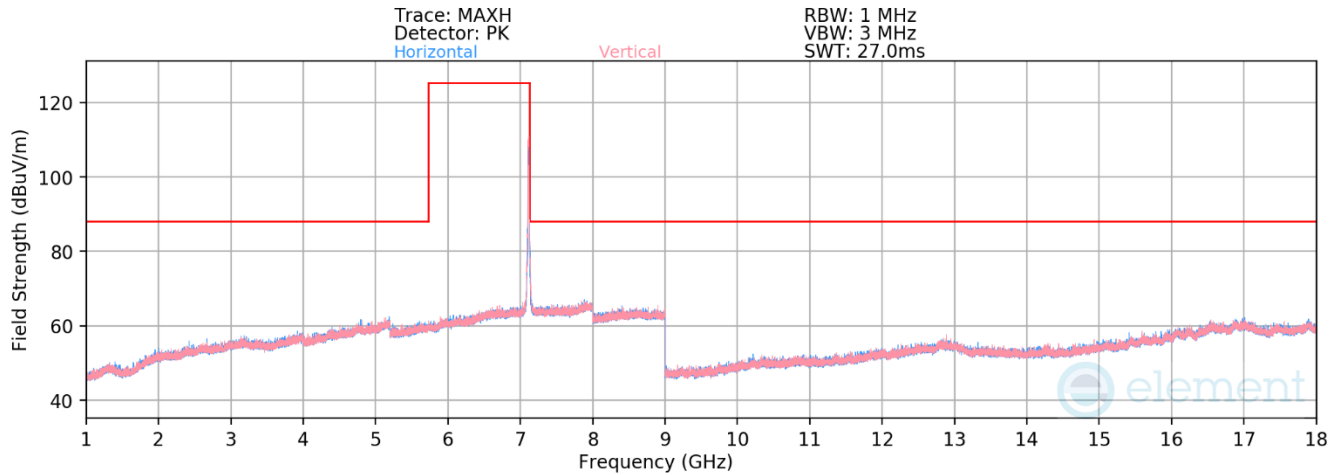
Operating Frequency: 6995MHz

Channel: 209

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13990.00	Average	V	-	-	-86.47	22.12	42.65	68.23	-25.58
13990.00	Peak	V	-	-	-74.61	22.12	54.51	88.23	-33.72
* 20985.00	Average	H	361	198	-50.54	-9.54	46.92	53.98	-7.06
* 20985.00	Peak	H	361	198	-38.58	-9.54	58.88	73.98	-15.10

Table 7-53. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171



Plot 7-316. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 233)

Mode: 802.11ax
Data Rate: MCS2
Distance of Measurements: 3 Meters
Operating Frequency: 7115MHz
Channel: 233

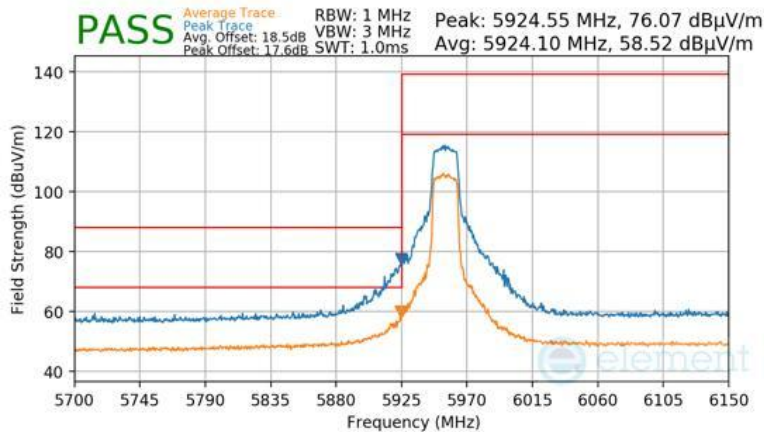
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
14230.00	Average	H	-	-	-86.03	22.48	43.45	68.23	-24.78
14230.00	Peak	H	-	-	-74.47	22.48	55.01	88.23	-33.22

Table 7-54. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

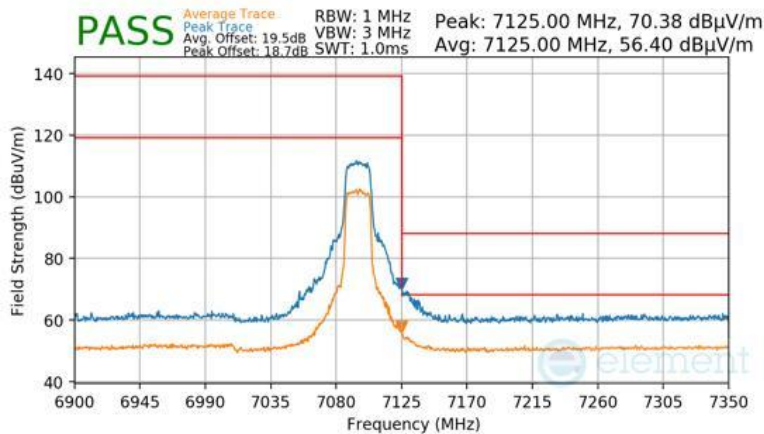
7.7.2 Antenna 0 Radiated Band Edge Measurements (20MHz BW)

Mode	802.11a
Data Rate	MCS54
Distance of Measurement	3 Meters
Operating Frequency	5955MHz
Channel	1



Plot 7-317 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

Mode	802.11a
Data Rate	MCS54
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

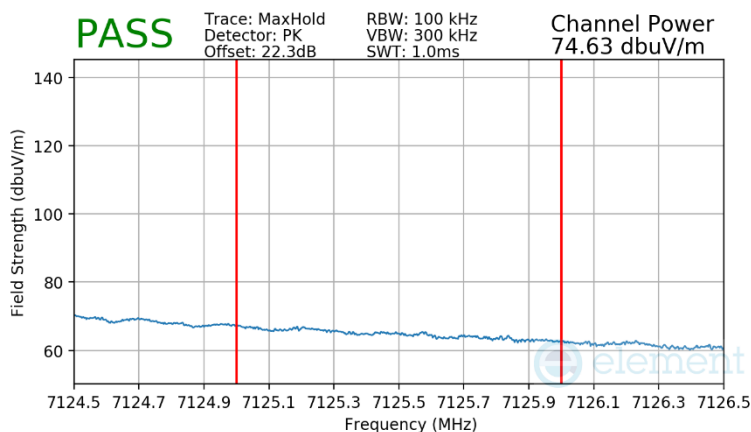


Plot 7-318 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

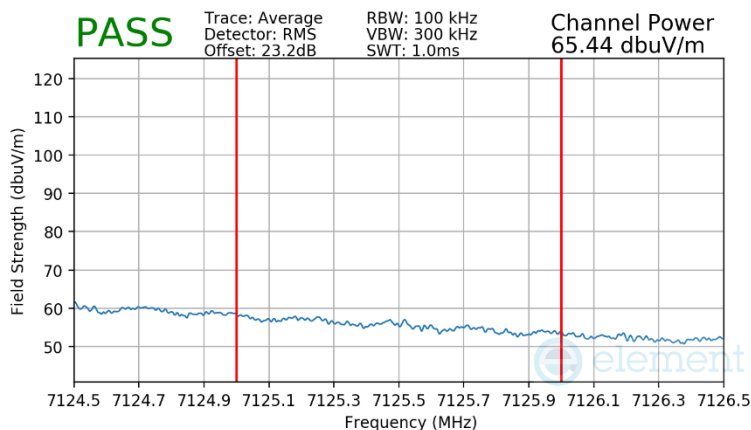
FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 142 of 171

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11a
 MCS54
 3 Meters
 7115MHz
 233



Plot 7-319 Antenna 0 Radiated Upper Band Edge (Peak – UNII Band 8)

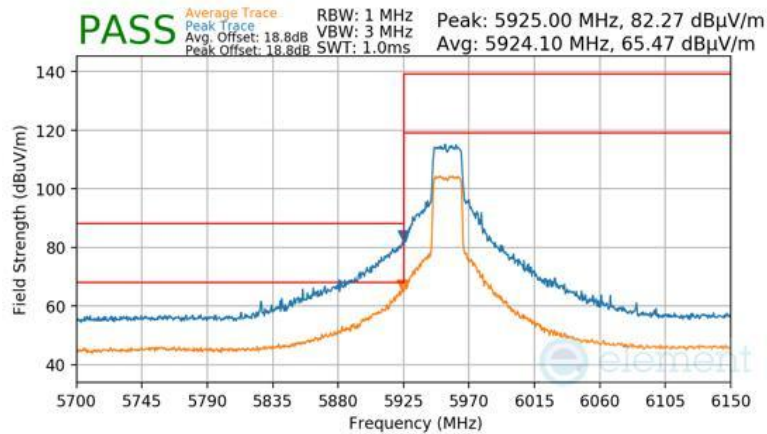


Plot 7-320 Antenna 0 Radiated Upper Band Edge (Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

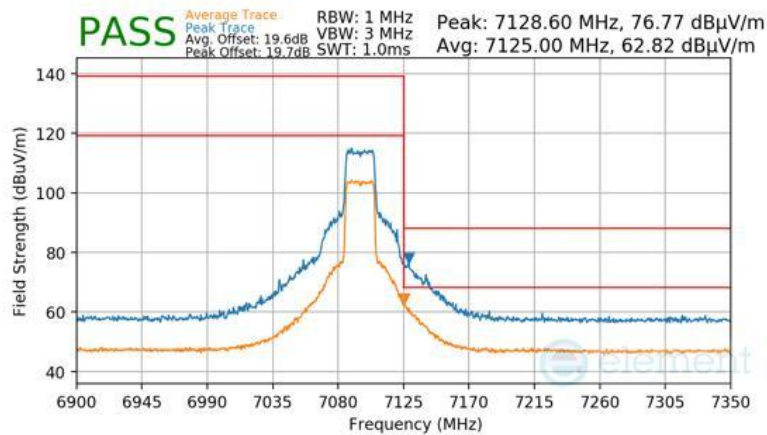
802.11ax-SU
 MCS11
 3 Meters
 5955MHz
 1



Plot 7-321 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS11
 3 Meters
 7095MHz
 229

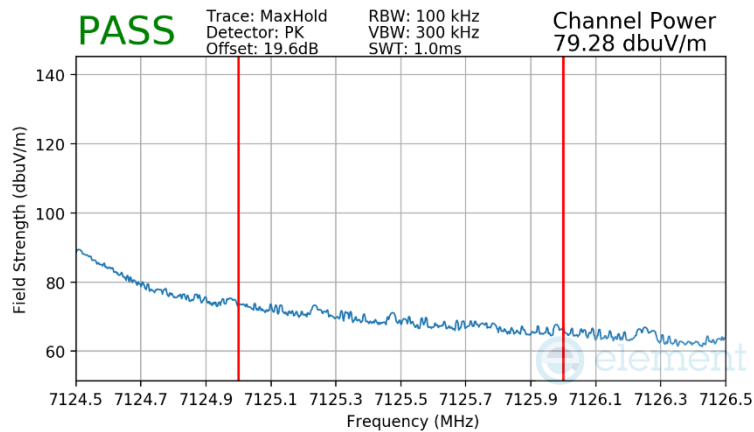


Plot 7-322 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

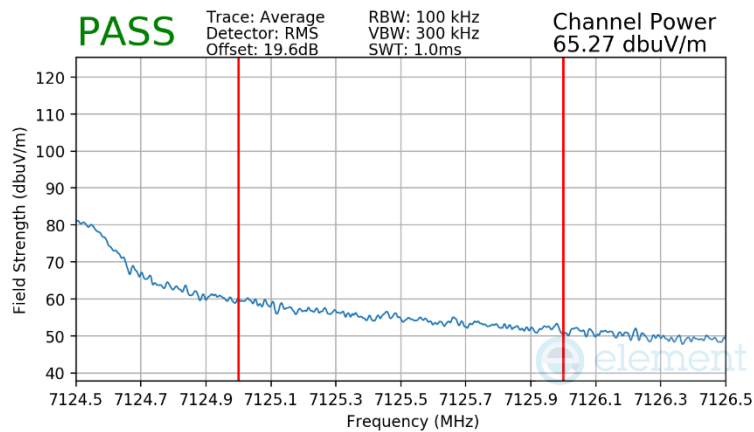
FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 144 of 171

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS11
 3 Meters
 7115MHz
 233



Plot 7-323 Antenna 0 Radiated Upper Band Edge (Peak- UNII Band 8)

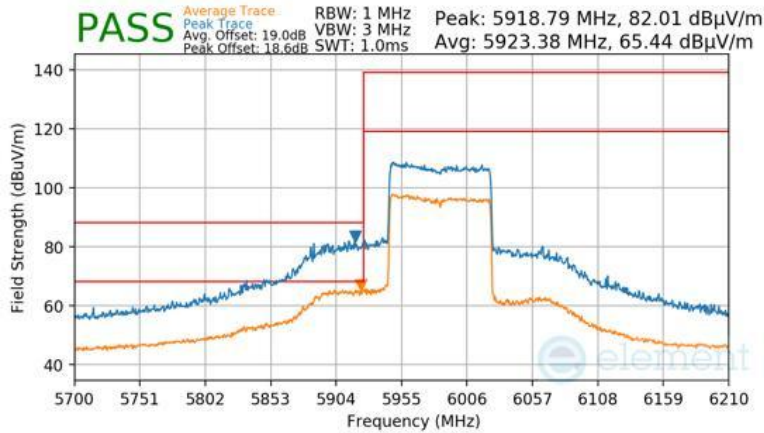


Plot 7-324 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

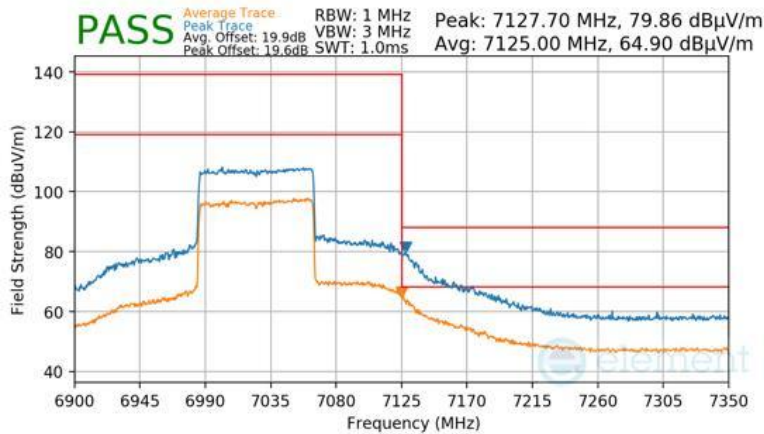
7.7.4 Antenna 0 Radiated Band Edge Measurements (80MHz BW)

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



Plot 7-327 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

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

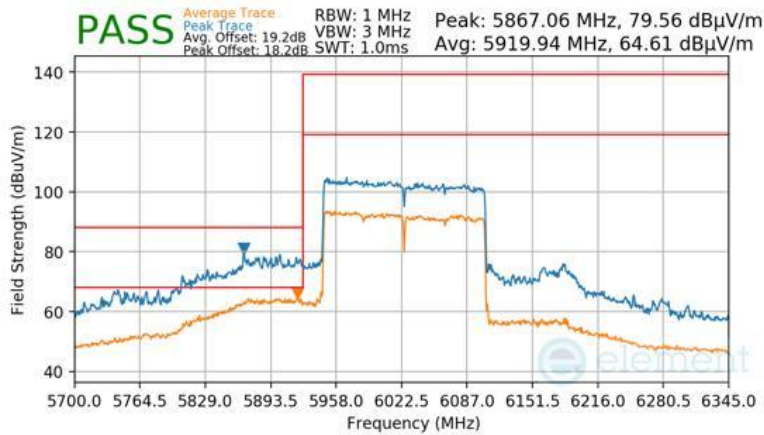


Plot 7-328 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

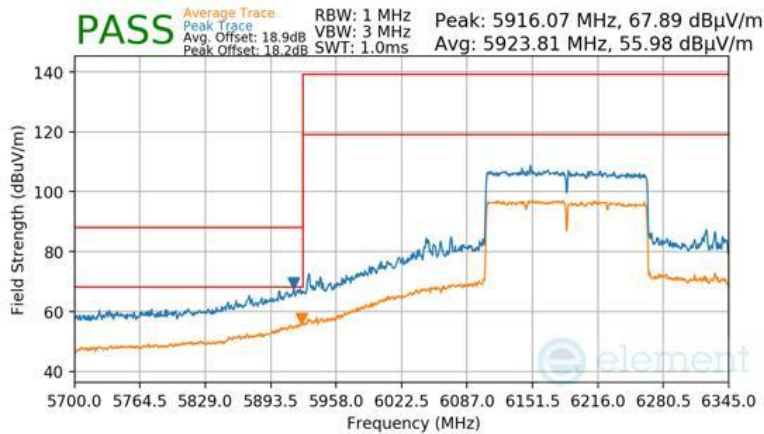
7.7.5 Antenna 0 Radiated Band Edge Measurements (160MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6025MHz
Channel	15



Plot 7-329 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6185MHz
Channel	47

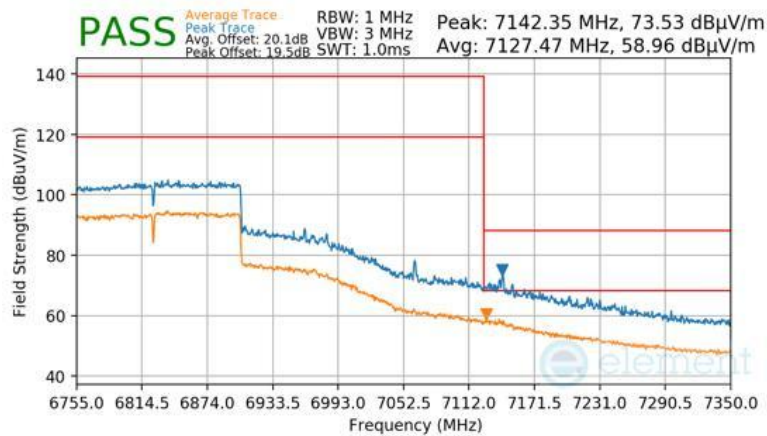


Plot 7-330 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

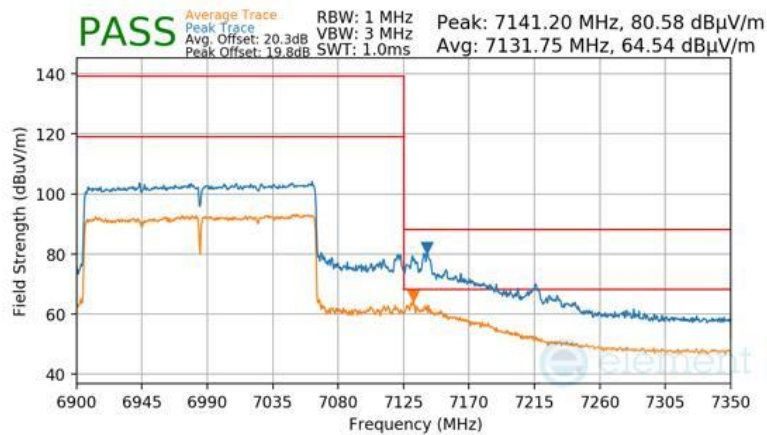
802.11ax-SU
 MCS11
 3 Meters
 6825MHz
 175



Plot 7-331 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 7)

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS11
 3 Meters
 6985MHz
 207

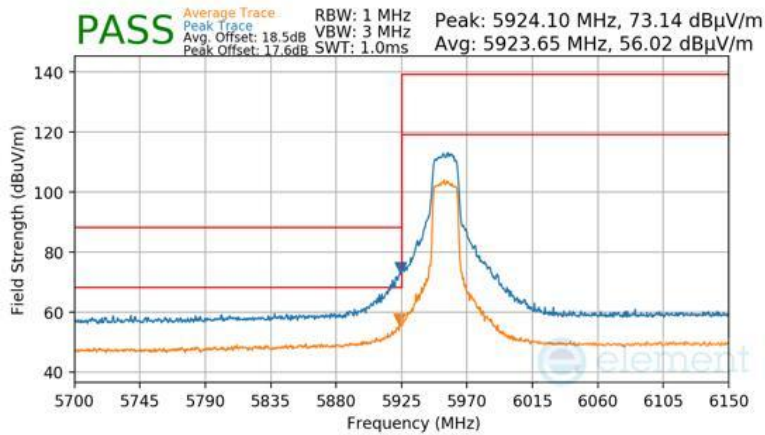


Plot 7-332 Antenna 0 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

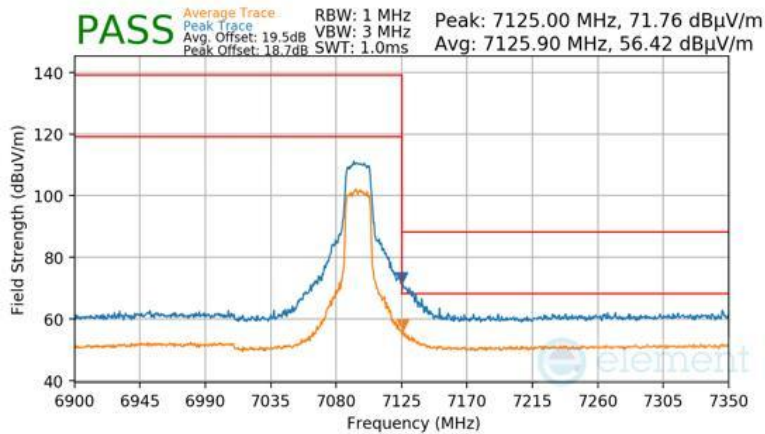
7.7.6 Antenna 1 Radiated Band Edge Measurements (20MHz BW)

Mode	802.11a
Data Rate	MCS54
Distance of Measurement	3 Meters
Operating Frequency	5955MHz
Channel	1



Plot 7-333 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

Mode	802.11a
Data Rate	MCS54
Distance of Measurement	3 Meters
Operating Frequency	7095MHz
Channel	229

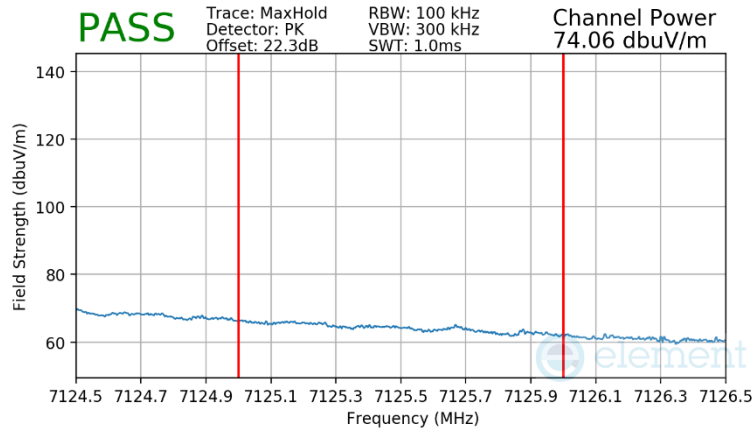


Plot 7-334 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

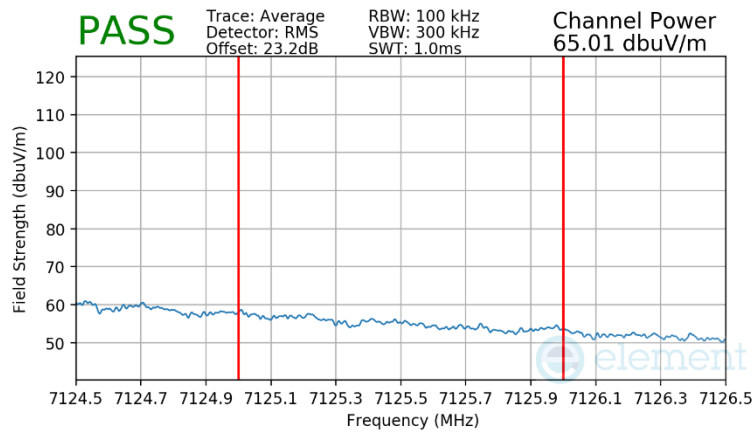
FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 150 of 171

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11a
 MCS54
 3 Meters
 7115MHz
 233



Plot 7-335 Antenna 1 Radiated Upper Band Edge (Peak – UNII Band 8)

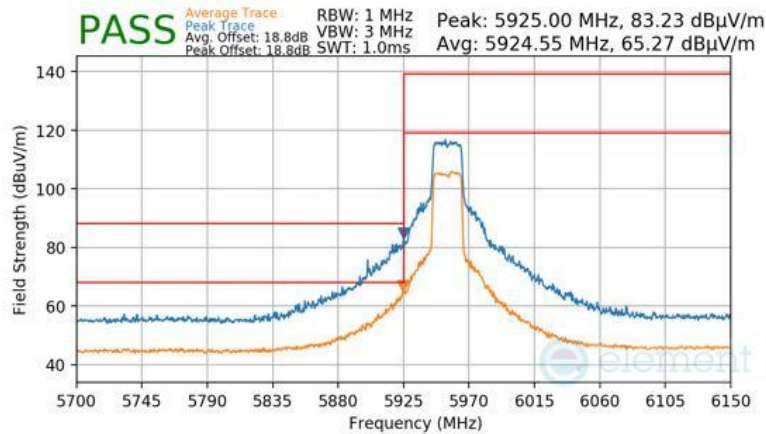


Plot 7-336 Antenna 1 Radiated Upper Band Edge (Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

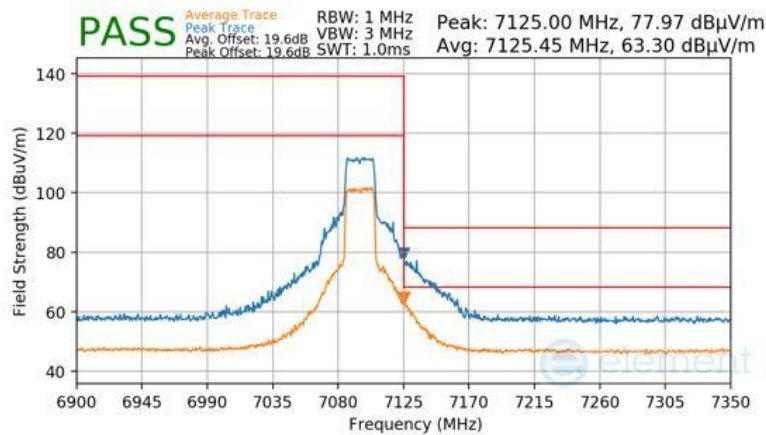
802.11ax-SU
MCS11
3 Meters
5955MHz
1



Plot 7-337 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
MCS11
3 Meters
7095MHz
229

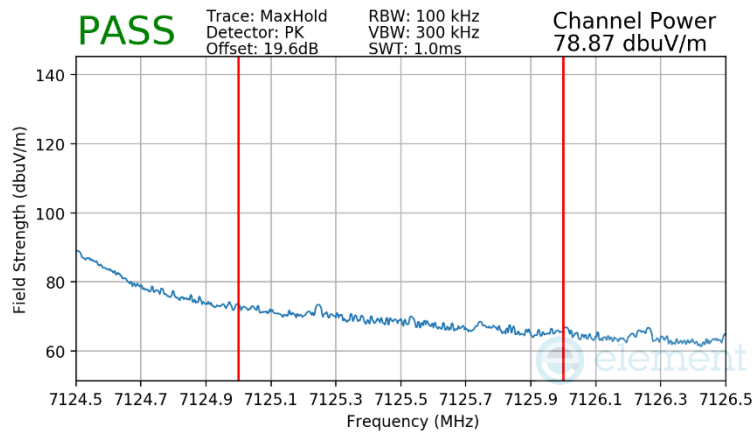


Plot 7-338 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

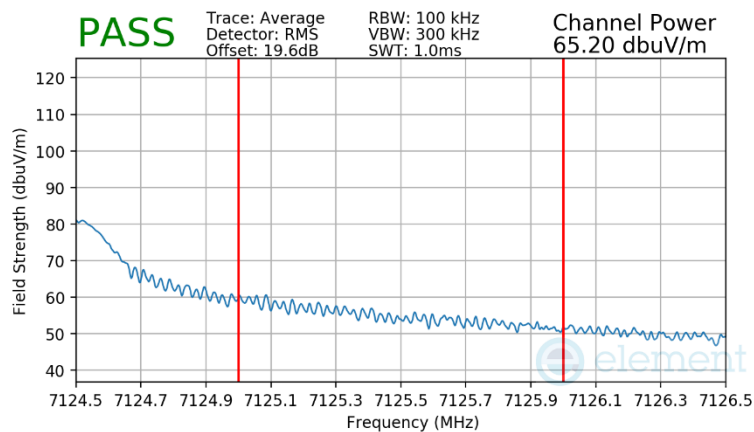
FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 152 of 171

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS11
 3 Meters
 7115MHz
 233



Plot 7-339 Antenna 1 Radiated Upper Band Edge (Peak- UNII Band 8)

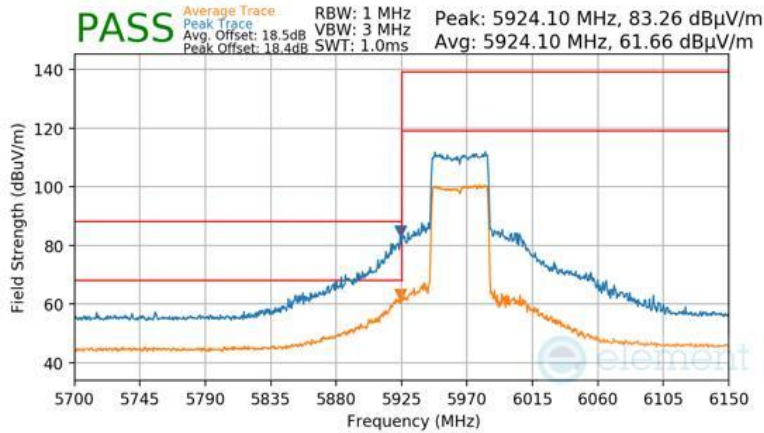


Plot 7-340 Antenna 1 Radiated Upper Band Edge (Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

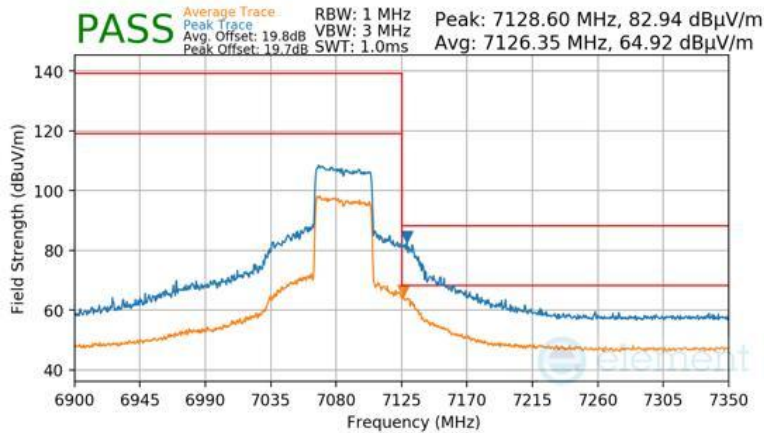
7.7.7 Antenna 1 Radiated Band Edge Measurements (40MHz BW)

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



Plot 7-341 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

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

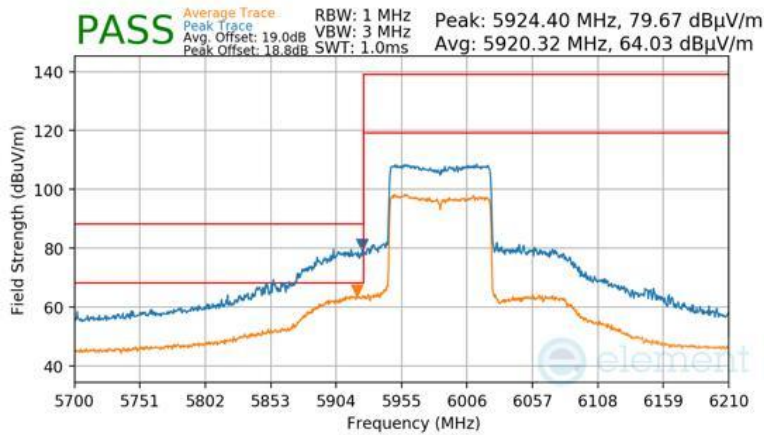


Plot 7-342 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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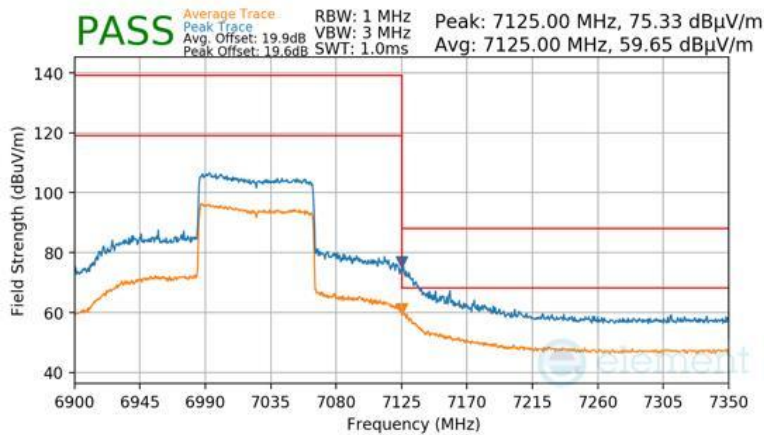
7.7.8 Antenna 1 Radiated Band Edge Measurements (80MHz BW)

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



Plot 7-343 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

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

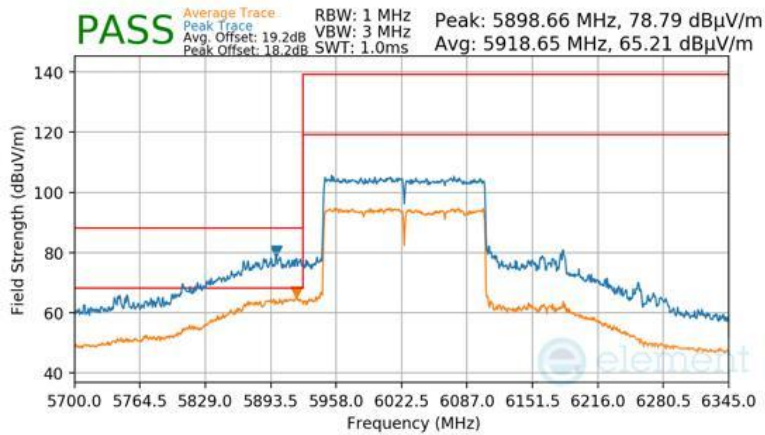


Plot 7-344 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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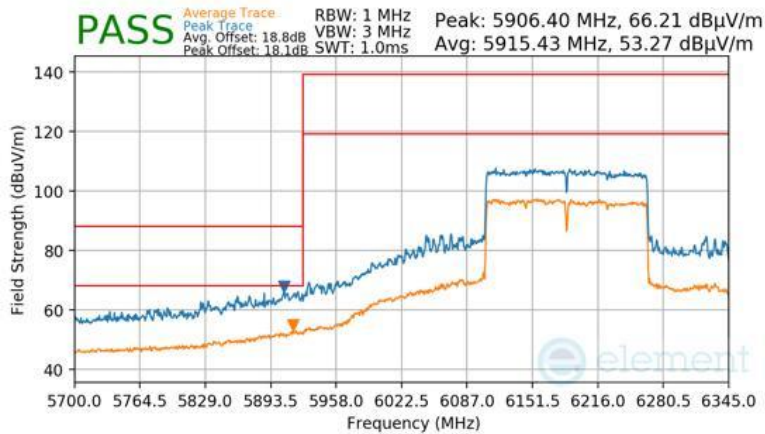
7.7.9 Antenna 1 Radiated Band Edge Measurements (160MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6025MHz
Channel	15



Plot 7-345 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6185MHz
Channel	47

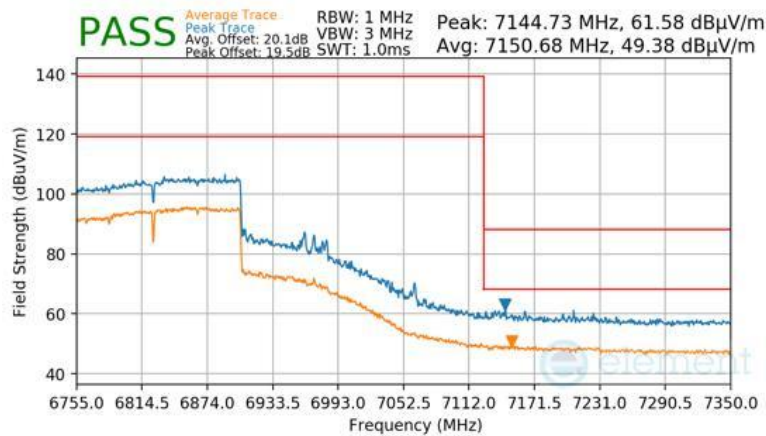


Plot 7-346 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 5)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

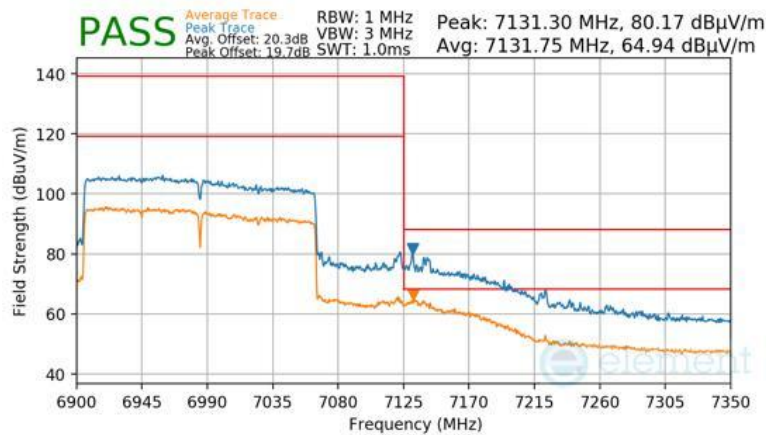
802.11ax-SU
 MCS11
 3 Meters
 6825MHz
 175



Plot 7-347 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 7)

Mode
Data Rate
Distance of Measurement
Operating Frequency
Channel

802.11ax-SU
 MCS11
 3 Meters
 6985MHz
 207

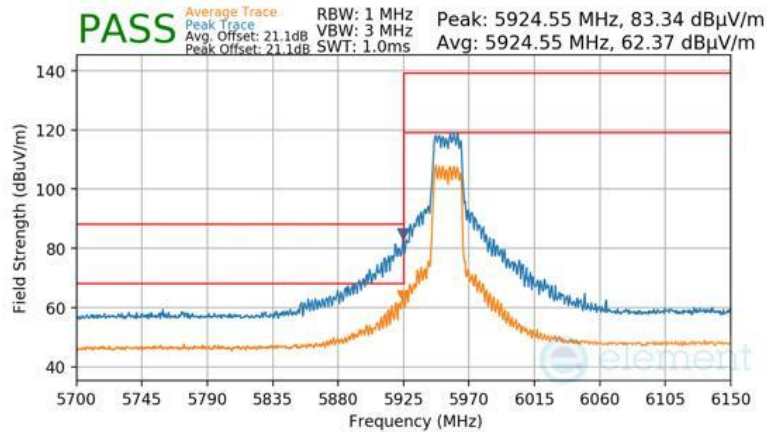


Plot 7-348 Antenna 1 Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

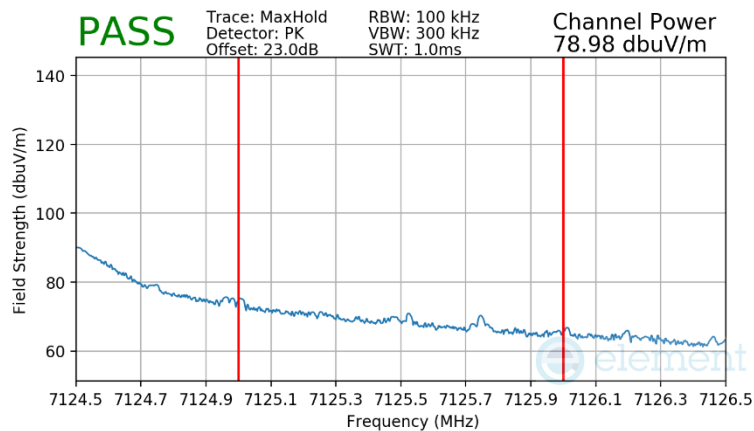
7.7.10 SDM Radiated Band Edge Measurements (20MHz BW)

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



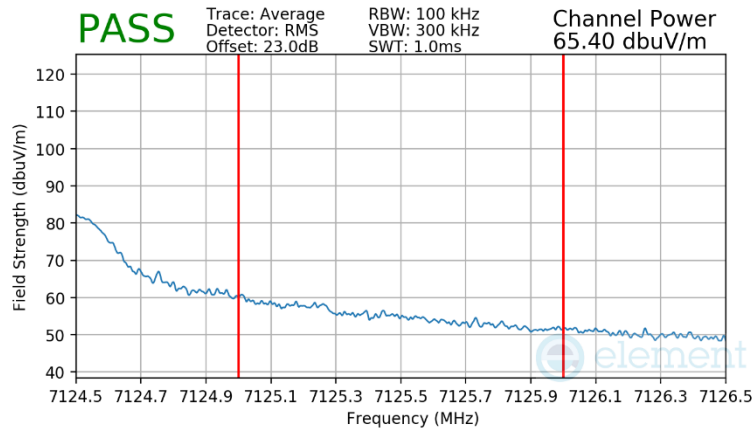
Plot 7-349 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 5)

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



Plot 7-350 SDM Radiated Upper Band Edge (Peak – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171



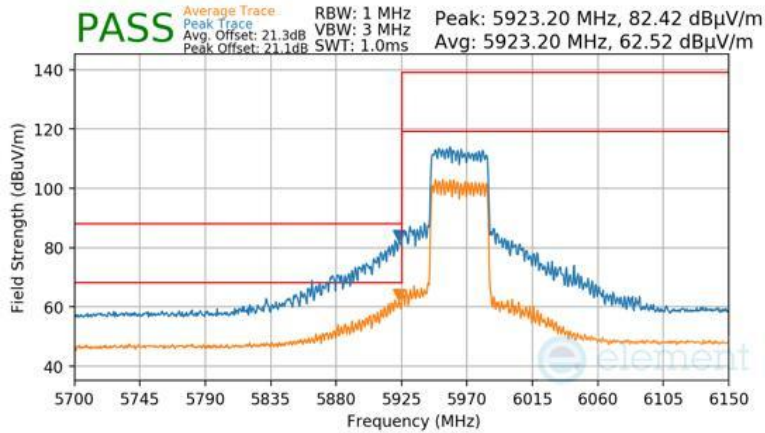
Plot 7-351 SDM Radiated Upper Band Edge (Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 159 of 171

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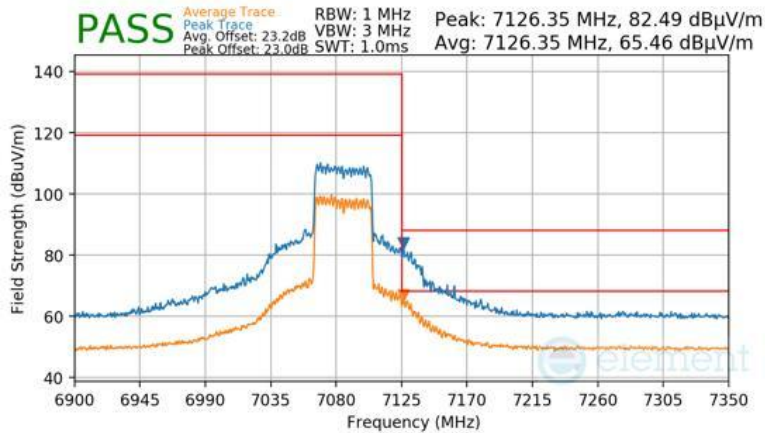
7.7.11 SDM Radiated Band Edge Measurements (40MHz BW)

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



Plot 7-352 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 5)

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

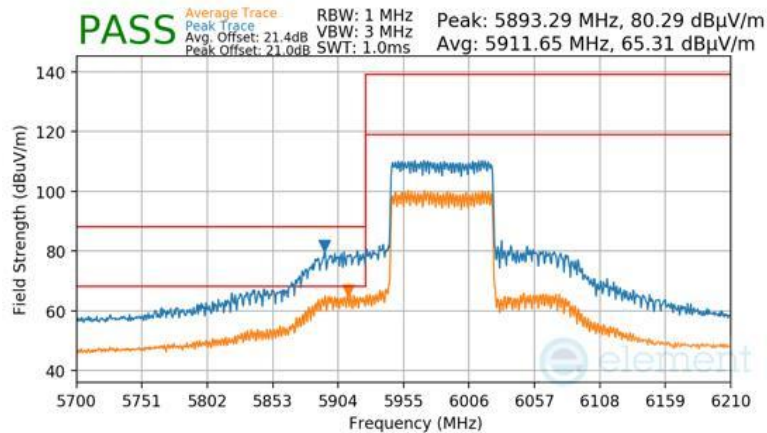


Plot 7-353 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171

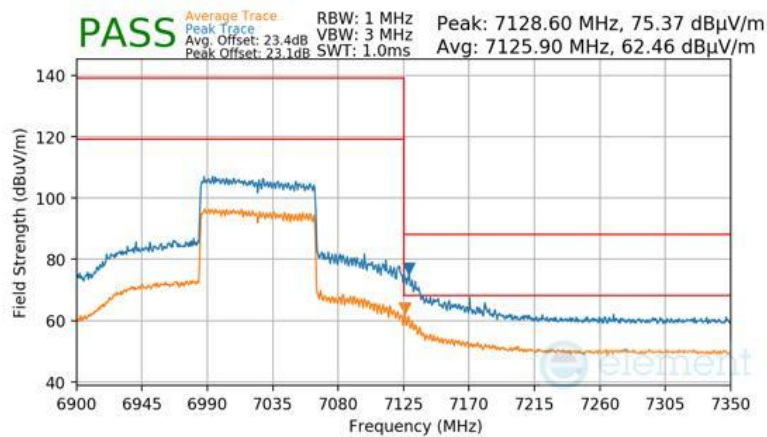
7.7.12 SDM Radiated Band Edge Measurements (80MHz BW)

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



Plot 7-354 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 5)

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

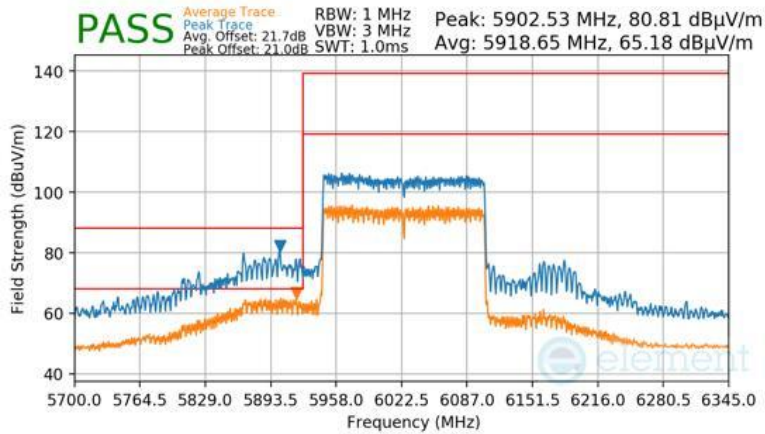


Plot 7-355 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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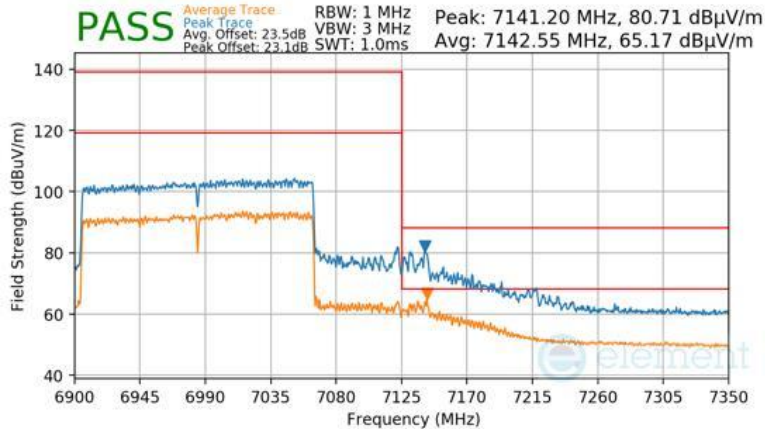
7.7.13 SDM Radiated Band Edge Measurements (160MHz BW)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6025MHz
Channel	15



Plot 7-356 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 5)

Mode	802.11ax-SU
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	6985MHz
Channel	207



Plot 7-357 SDM Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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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 6 of RSS-Gen (7.5) must not exceed the limits shown in Table 7-55 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 7-55. Radiated Limits

Test Procedures Used

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

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.

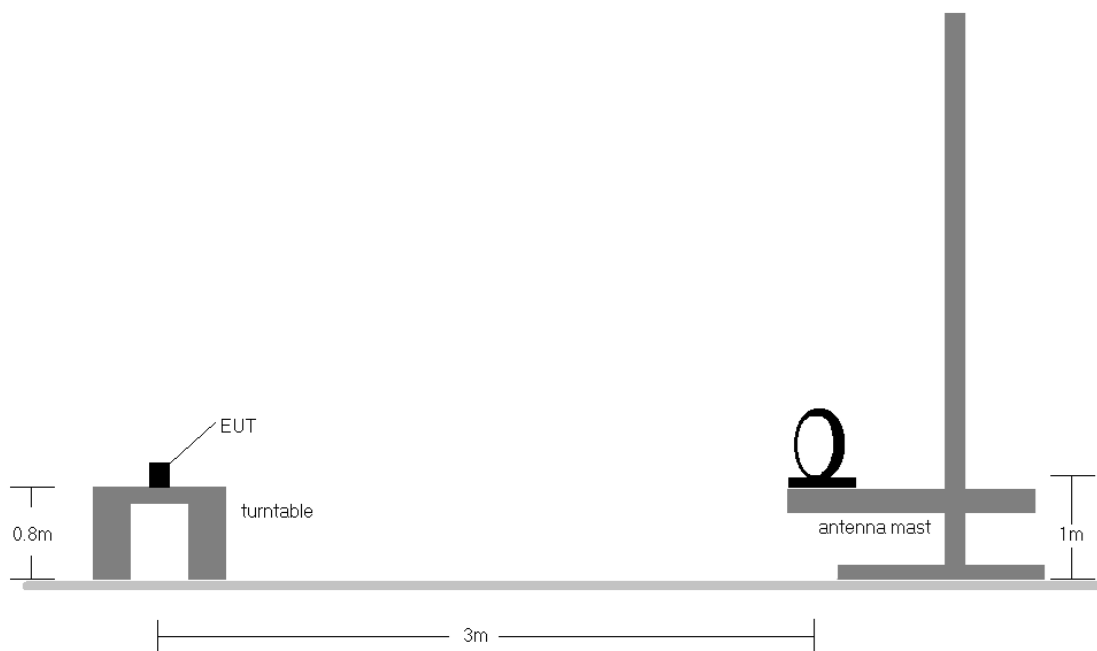


Figure 7-7. Radiated Test Setup < 30MHz

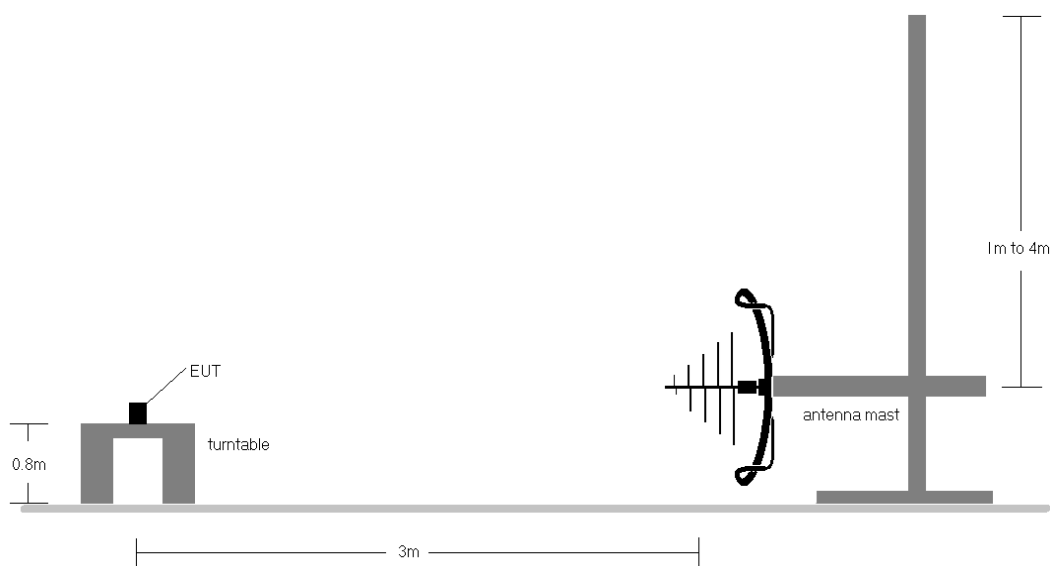


Figure 7-8. Radiated Test Setup < 1GHz

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	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 7-55.
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/DC Adapter via USB-C Cable.
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. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.
10. The configuration below was investigated, and the worst case has been reported.
 - a. EUT powered by an AC/DC Adapter via USB-C cable
11. All antenna configurations were investigated and only the worst case is reported.
12. The unit was tested with all possible modes and only the highest emission is reported.

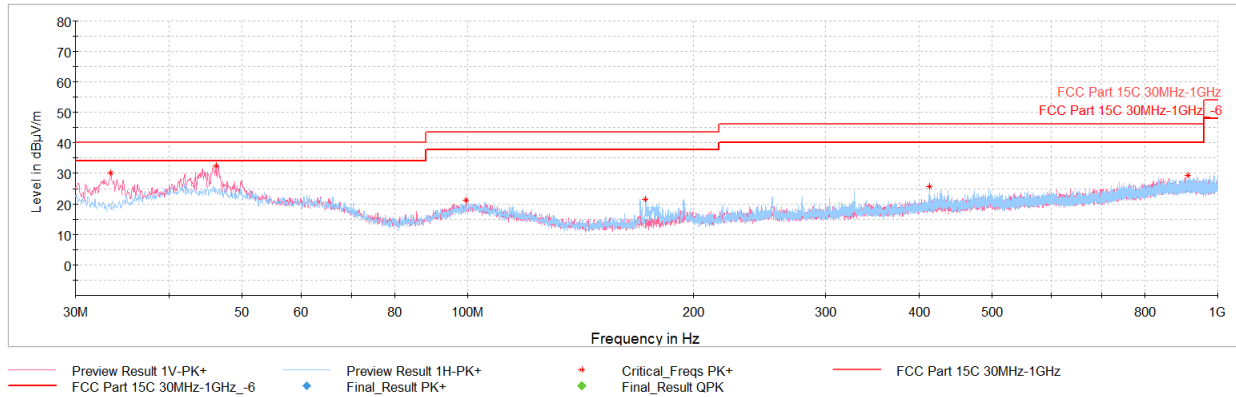
Sample Calculations

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: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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7.8.1 SDM Radiated Spurious Emissions Measurements (Below 1GHz)



Plot 7-358. Radiated Spurious Emissions below 1GHz SDM, 802.11ax, Ch.209 with AC/DC Adapter via USB-C cable

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]
33.44	MaxPeak	V	100	71	-58.84	-18.26	29.90	40.00	-10.10
46.20	MaxPeak	V	100	313	-60.12	-14.45	32.43	40.00	-7.57
99.70	MaxPeak	V	300	73	-69.12	-16.61	21.27	43.52	-22.25
172.45	MaxPeak	H	100	192	-67.06	-18.40	21.54	43.52	-21.98
412.67	MaxPeak	H	200	220	-71.12	-10.08	25.80	46.02	-20.22
912.80	MaxPeak	H	300	139	-76.32	-1.37	29.31	46.02	-16.71

Table 7-56. Radiated Spurious Emissions Measurement below 1GHz SDM, 802.11ax, Ch.209 with AC/DC Adapter via USB-C cable

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	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 7-57. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

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

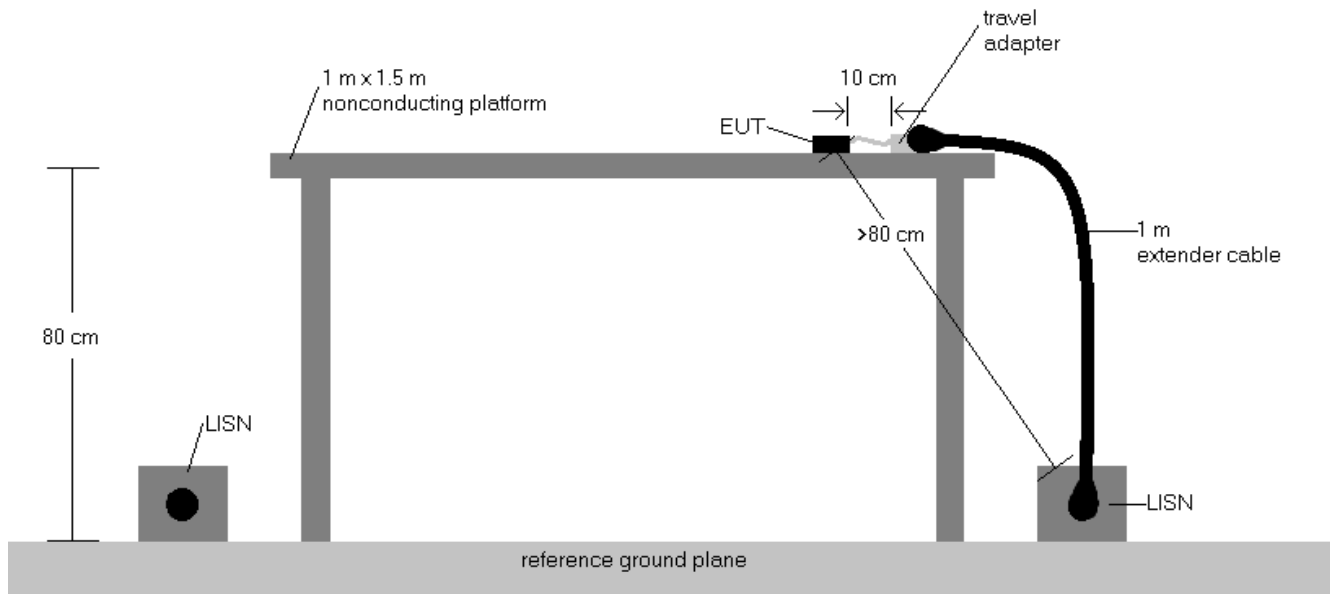
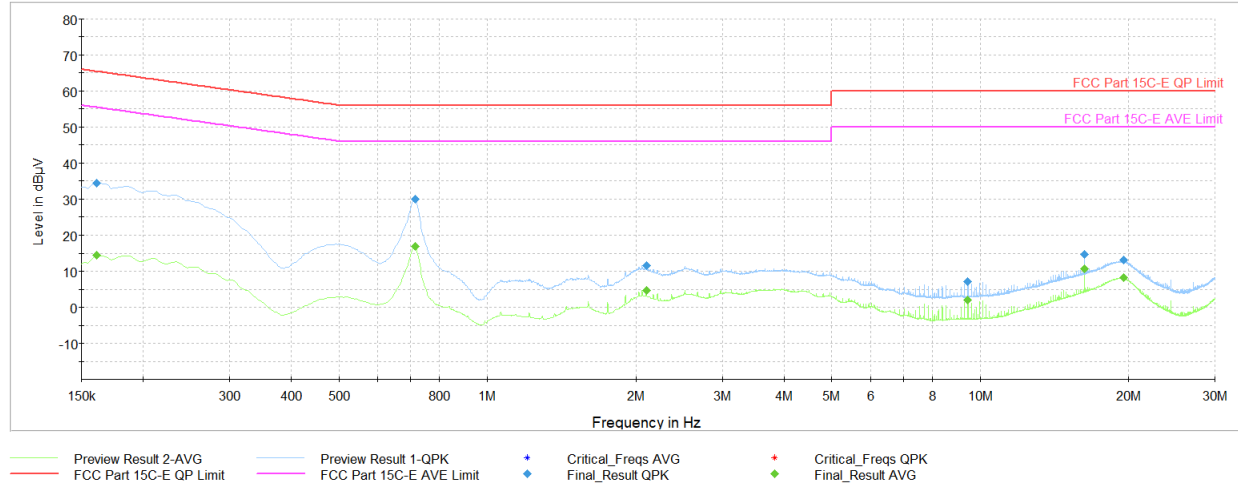


Figure 7-9. Test Instrument & Measurement Setup

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. The configuration below was investigated, and the worst case has been reported.
 - a. EUT powered by an AC/DC Adapter 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.

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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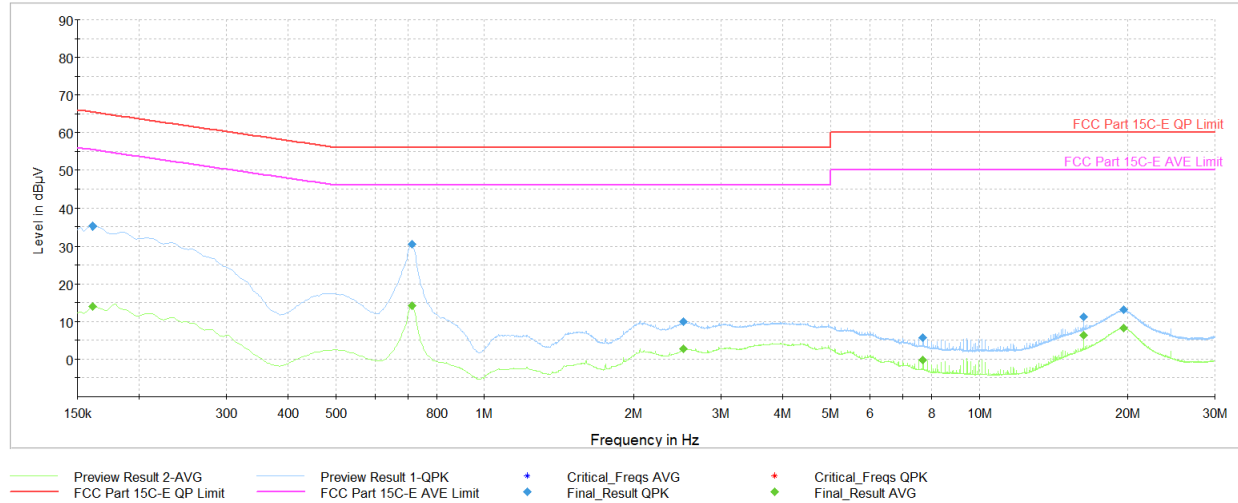


Plot 7-359. AC Line Conducted Plot with 802.11ax SDM – Ch. 209 (L1), with AC/DC Adapter via USB-C cable

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	—	14.53	55.40	-40.87	L1	ON
0.161	FINAL	34.5	—	65.40	-30.95	L1	ON
0.715	FINAL	—	16.97	46.00	-29.03	L1	ON
0.715	FINAL	29.9	—	56.00	-26.13	L1	ON
2.099	FINAL	—	4.83	46.00	-41.17	L1	ON
2.099	FINAL	11.7	—	56.00	-44.33	L1	ON
9.449	FINAL	7.1	—	60.00	-52.90	L1	ON
9.449	FINAL	—	2.11	50.00	-47.89	L1	ON
16.278	FINAL	14.8	—	60.00	-45.25	L1	ON
16.278	FINAL	—	10.84	50.00	-39.16	L1	ON
19.583	FINAL	—	8.36	50.00	-41.64	L1	ON
19.583	FINAL	13.2	—	60.00	-46.76	L1	ON

Table 7-58. AC Line Conducted Data with 802.11ax SDM – Ch. 209 (L1) with AC/DC Adapter via USB-C cable

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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Plot 7-360. AC Line Conducted Plot with 802.11ax SDM – Ch. 209 (N), with AC/DC Adapter via USB-C cable

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	—	13.93	55.40	-41.47	N	ON
0.161	FINAL	35.3	—	65.40	-30.10	N	ON
0.713	FINAL	—	14.13	46.00	-31.87	N	ON
0.713	FINAL	30.5	—	56.00	-25.54	N	ON
2.515	FINAL	—	2.84	46.00	-43.16	N	ON
2.515	FINAL	10.0	—	56.00	-45.99	N	ON
7.697	FINAL	5.7	—	60.00	-54.31	N	ON
7.697	FINAL	—	-0.20	50.00	-50.20	N	ON
16.271	FINAL	11.3	—	60.00	-48.70	N	ON
16.271	FINAL	—	6.42	50.00	-43.58	N	ON
19.588	FINAL	—	8.31	50.00	-41.69	N	ON
19.588	FINAL	13.1	—	60.00	-46.88	N	ON

Table 7-59. AC Line Conducted Data with 802.11ax SDM – Ch. 209 (N), with AC/DC Adapter via USB-C cable

FCC ID: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 170 of 171

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Smart Speaker with Display FCC ID: BCGA3300** and **IC: 579C-A3300** 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: BCGA3300 IC: 579C-A3300	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-09-R1.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 171 of 171

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