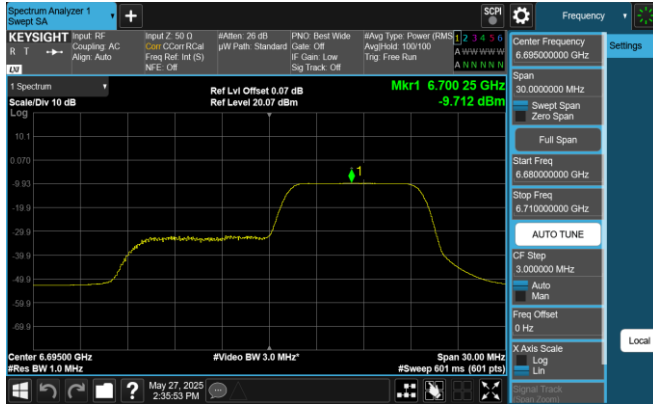
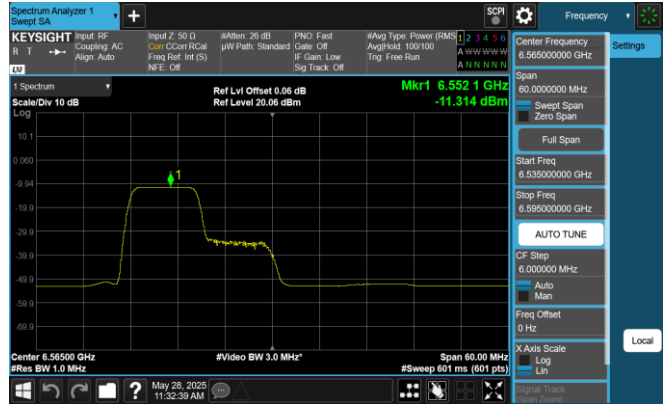
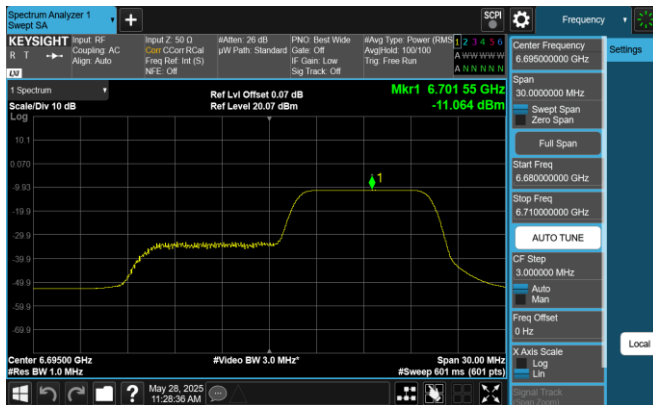




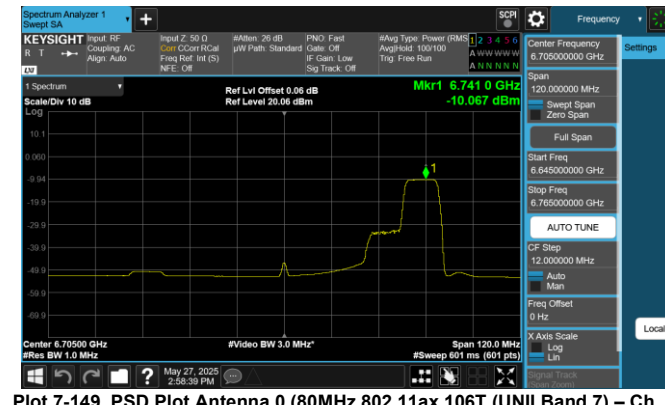
Plot 7-145. PSD Plot Antenna 0 (20MHz 802.11ax RU106 (UNII Band 7) – Ch. 149)



Plot 7-148. PSD Plot Antenna 1 (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 123)



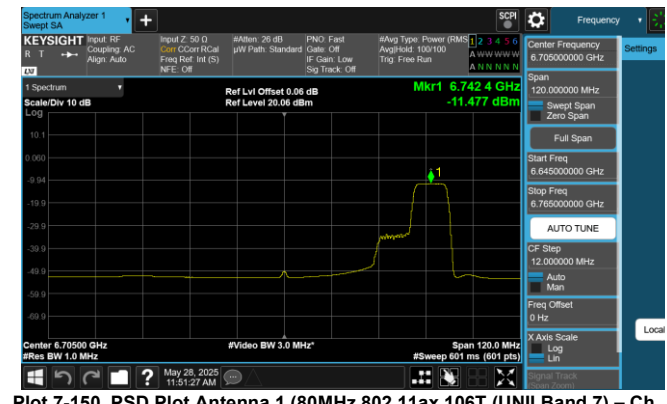
Plot 7-146. PSD Plot Antenna 1 (20MHz 802.11ax RU106 (UNII Band 7) – Ch. 149)



Plot 7-149. PSD Plot Antenna 0 (80MHz 802.11ax 106T (UNII Band 7) – Ch. 151)

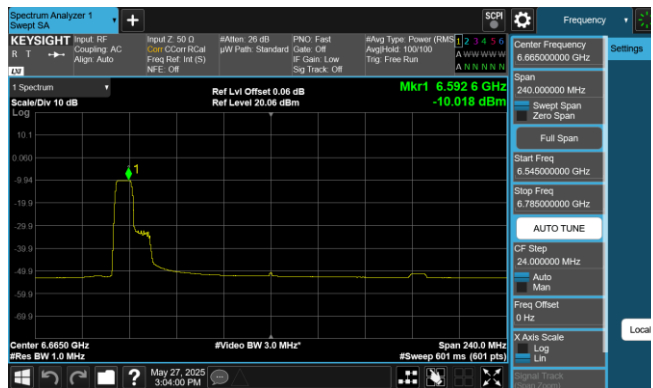


Plot 7-147. PSD Plot Antenna 0 (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 123)



Plot 7-150. PSD Plot Antenna 1 (80MHz 802.11ax 106T (UNII Band 7) – Ch. 151)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 74 of 198

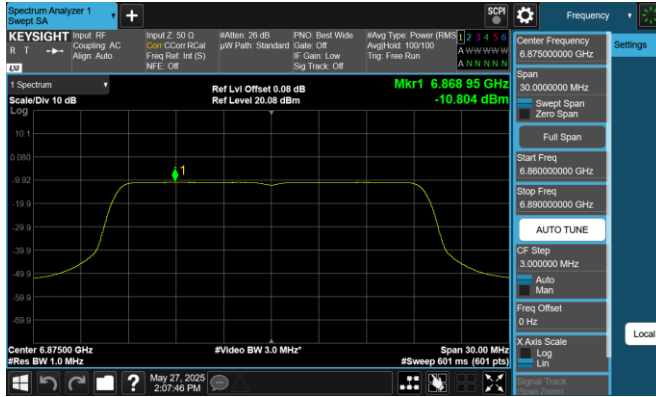


Plot 7-151. PSD Plot Antenna 0 (160MHz 802.11ax 106T (UNII Band 7) – Ch. 143)



Plot 7-152. PSD Plot Antenna 1 (160MHz 802.11ax 106T (UNII Band 7) – Ch. 143)

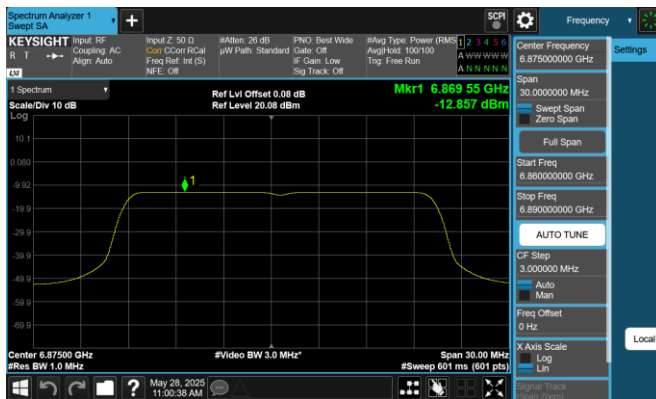
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 75 of 198



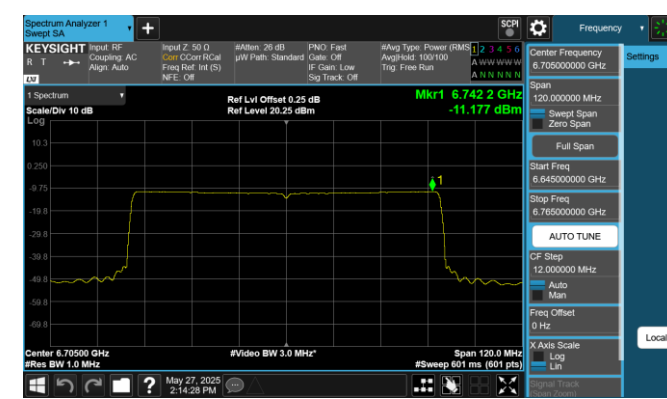
Plot 7-153. PSD Plot Antenna 0 (20MHz 802.11ax RU242 (UNII Band 7) - Ch. 185)



Plot 7-156. PSD Plot Antenna 1 (40MHz 802.11ax RU484 (UNII Band 7) - Ch. 123)



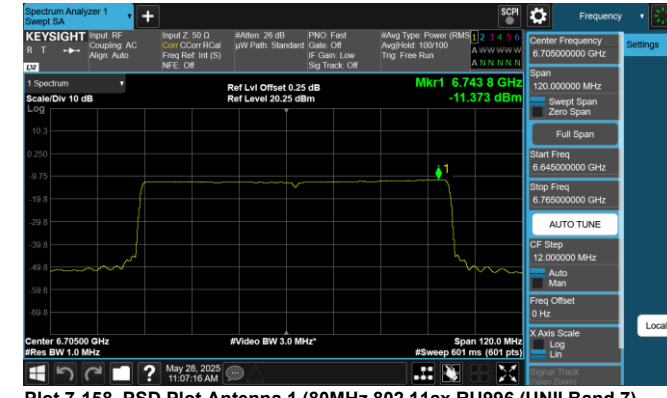
Plot 7-154. PSD Plot Antenna 1 (20MHz 802.11ax RU242 (UNII Band 7) - Ch. 185)



Plot 7-157. PSD Plot Antenna 0 (80MHz 802.11ax RU996 (UNII Band 7) - Ch. 151)

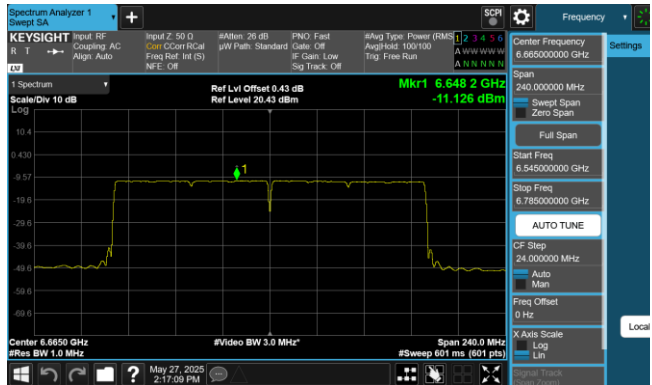


Plot 7-155. PSD Plot Antenna 0 (40MHz 802.11ax RU484 (UNII Band 7) - Ch. 123)

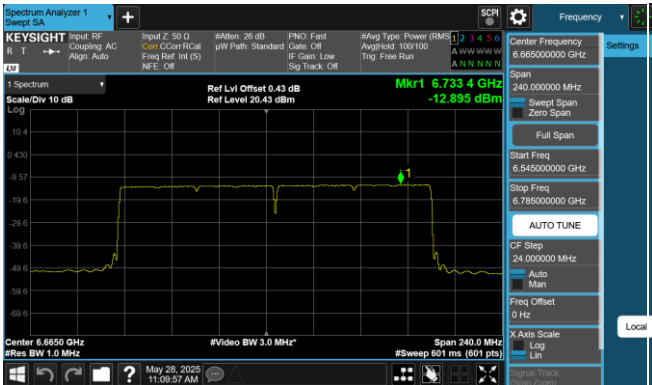


Plot 7-158. PSD Plot Antenna 1 (80MHz 802.11ax RU996 (UNII Band 7) - Ch. 151)

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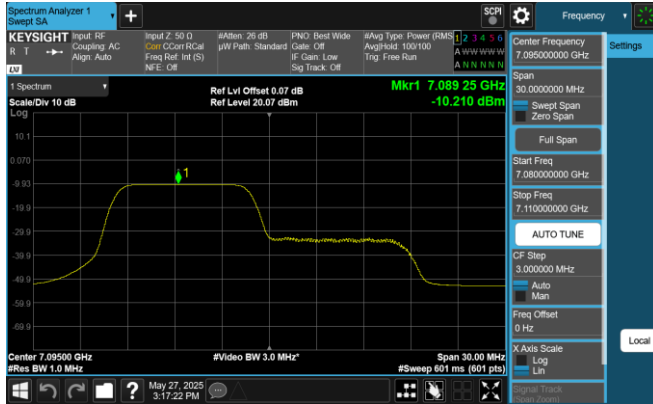


Plot 7-159. PSD Plot Antenna 0 (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)



Plot 7-160. PSD Plot Antenna 1 (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)

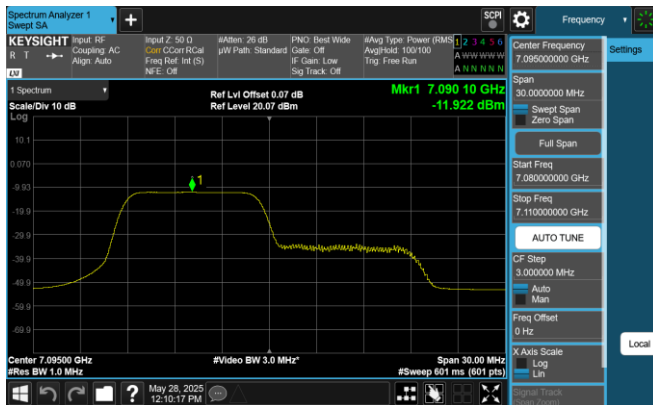
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 77 of 198



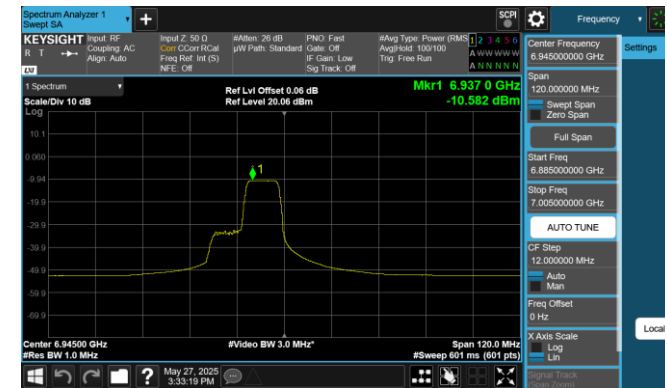
Plot 7-161. PSD Plot Antenna 0 (20MHz 802.11ax RU106 (UNII Band 8) - Ch. 229)



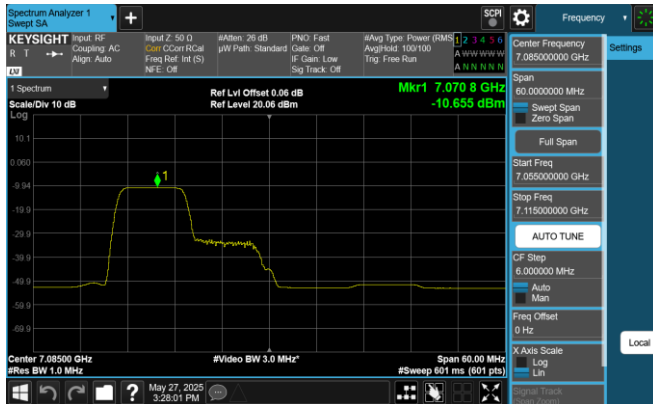
Plot 7-164. PSD Plot Antenna 1 (40MHz 802.11ax RU106 (UNII Band 8) - Ch. 227)



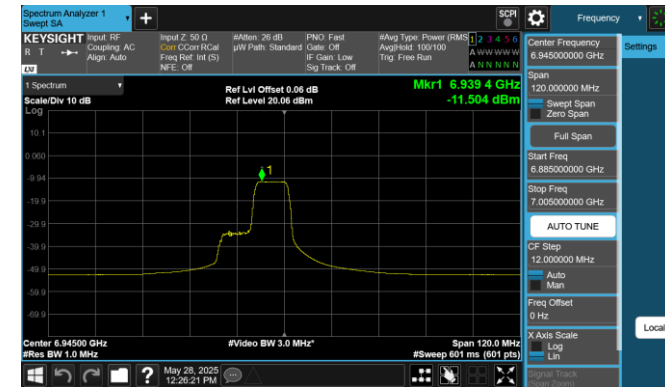
Plot 7-162. PSD Plot Antenna 1 (20MHz 802.11ax RU106 (UNII Band 8) - Ch. 229)



Plot 7-165. PSD Plot Antenna 0 (80MHz 802.11ax RU106 (UNII Band 8) - Ch. 199)

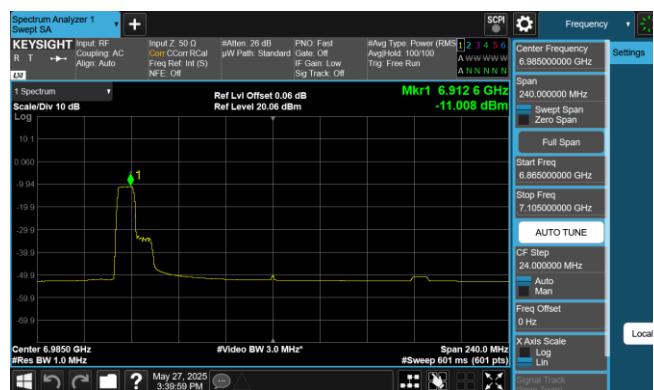


Plot 7-163. PSD Plot Antenna 0 (40MHz 802.11ax RU242 (UNII Band 8) - Ch. 227)



Plot 7-166. PSD Plot Antenna 1 (80MHz 802.11ax RU106 (UNII Band 8) - Ch. 199)

FCC ID: BCGA3300 IC: 579C-A3300	element	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 78 of 198

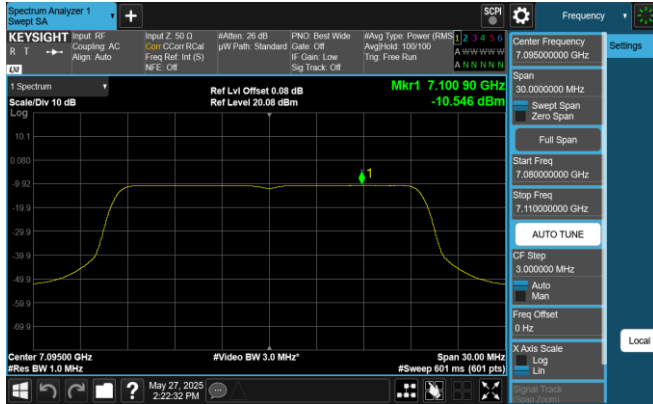


Plot 7-167. PSD Plot Antenna 0 (160MHz 802.11ax RU106 (UNII Band 8) – Ch. 207)



Plot 7-168. PSD Plot Antenna 1 (160MHz 802.11ax RU106 (UNII Band 8) – Ch. 207)

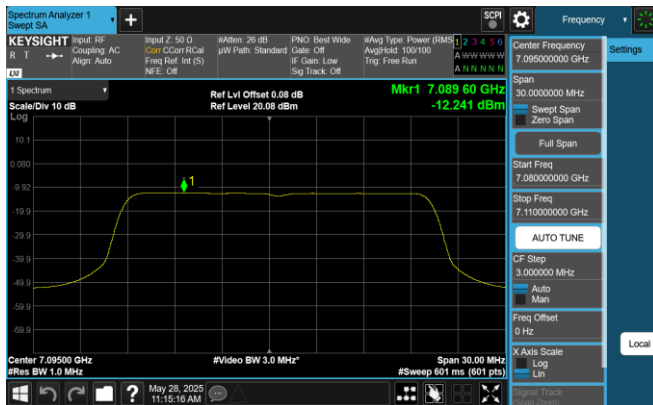
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 79 of 198



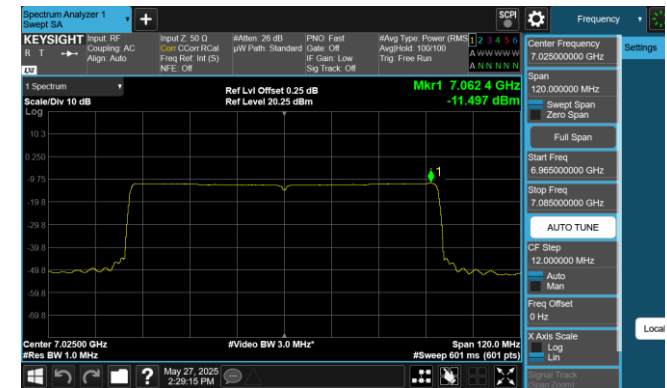
Plot 7-169. PSD Plot Antenna 0 (20MHz 802.11ax RU242 (UNII Band 8) - Ch. 229)



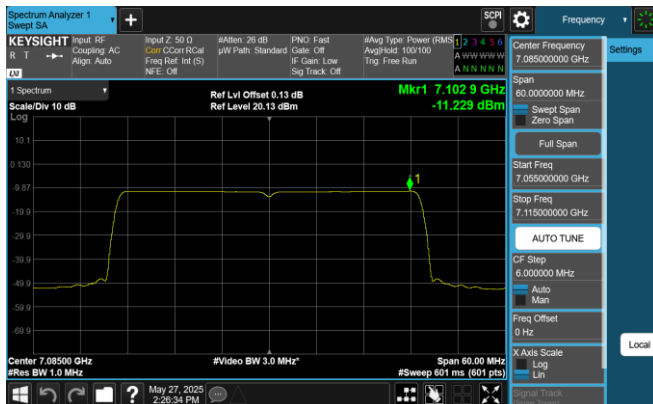
Plot 7-172. PSD Plot Antenna 1 (40MHz 802.11ax RU484 (UNII Band 8) - Ch. 227)



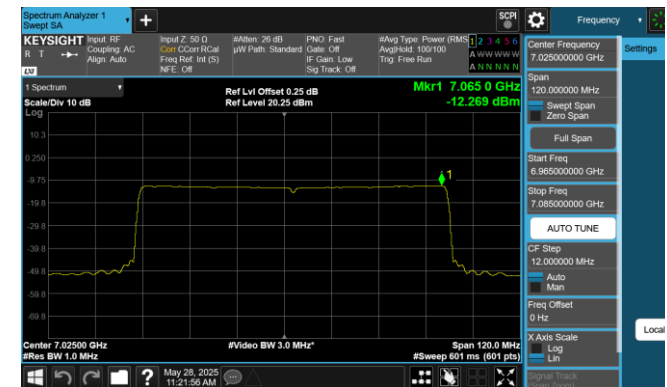
Plot 7-170. PSD Plot Antenna 1 (20MHz 802.11ax RU242 (UNII Band 8) - Ch. 229)



Plot 7-173. PSD Plot Antenna 0 (80MHz 802.11ax RU996 (UNII Band 8) - Ch. 215)

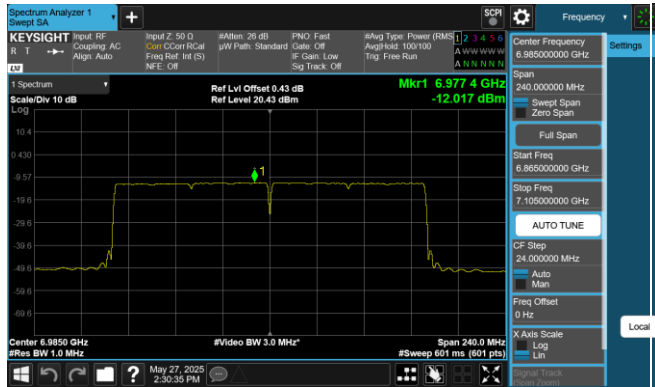


Plot 7-171. PSD Plot Antenna 0 (40MHz 802.11ax RU484 (UNII Band 8) - Ch. 227)

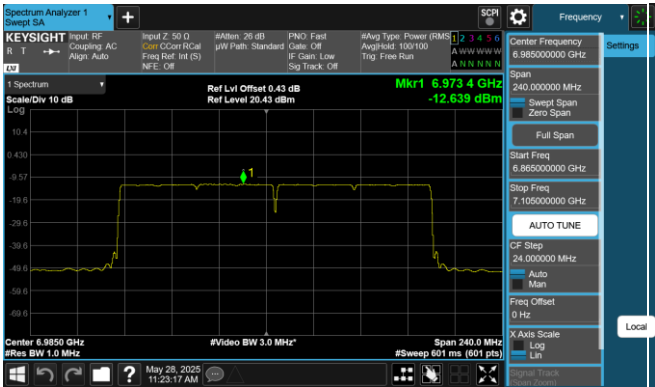


Plot 7-174. PSD Plot Antenna 1 (80MHz 802.11ax RU996 (UNII Band 8) - Ch. 215)

FCC ID: BCGA3300 IC: 579C-A3300	element	Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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Plot 7-175. PSD Plot Antenna 0 (160MHz 802.11ax RU996x2 (UNII Band 8) – Ch. 207)



Plot 7-176. PSD Plot Antenna 1 (160MHz 802.11ax RU996x2 (UNII Band 8) – Ch. 207)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 81 of 198

Note:

Per ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 Section 14.5.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 0 and Antenna 1 were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample Directional Gain Calculation:

For correlated signals, assuming the antenna gain is 1.87 dBi for Antenna 0 and 2.14 dBi for Antenna 1.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{1.87/20} + 10^{2.14/20})^2 / 2] \text{ dBi} \\ &= 5.02 \text{ dBi}\end{aligned}$$

For uncorrelated signals, assuming the antenna gain is 1.87 dBi for Antenna 0 and 2.14 dBi for Antenna 1.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{1.87/10} + 10^{2.14/10}) / 2] \text{ dBi} \\ &= 2.01 \text{ dBi}\end{aligned}$$

Sample SDM Calculation:

At 6115MHz in 802.11ax (20MHz BW) mode, the average conducted power spectral density was measured to be -12.27 dBm for Antenna 0 and -15.44 dBm for Antenna 1.

$$\text{Antenna 0} + \text{Antenna 1} = \text{SDM}$$

$$(-12.27 \text{ dBm} + -15.44 \text{ dBm}) = (0.059 \text{ mW} + 0.029 \text{ mW}) = 0.088 \text{ mW} = -10.56 \text{ dBm}$$

Sample e.i.r.p Power Spectral Density Calculation:

At 6115MHz in 802.11ax (20MHz BW) mode, the average SDM power density was calculated to be -10.56 dBm with directional gain of 2.01 dBi.

$$\text{e.i.r.p. Power Spectral Density(dBm)} = \text{Power Spectral Density (dBm)} + \text{Ant gain (dBi)}$$

$$-10.56 \text{ dBm} + 2.01 \text{ dBi} = -8.56 \text{ dBm}$$

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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7.5 In-Band Emissions

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was 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.

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Section 12.4.2.2
KDB 987594 D02 v03 – Section J

Test Settings

1. Connect output of the antenna port to a spectrum analyzer or EMI receiver, with appropriate attenuation, as to not damage the instrumentation.
2. Set the reference level of the measuring equipment in accordance with procedure 4.1.6.2 of ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024.
3. Measure the 26 dB EBW using the test procedure 12.5.2 of ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024. (This will be used to determine the channel edge.)
4. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - i) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - j) Suppressed by 28 dB at one channel bandwidth from the channel center.
 - k) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary.
8. Clear trace.
9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

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Test Setup

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



Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All RU's were investigated and only worst case partially loaded and fully loaded RU's were reported.
2. Low, mid, and high channels were tested and only worst case channel In-band plots have been reported.

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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7.5.1 Antenna 0 In-Band Emission Measurements – VLP

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	In-Band Emission
Band 5	6115	33	ax (20MHz)	106	53	MCS11	Pass
	6115	33	ax (20MHz)	106	54	MCS11	Pass
	6275	65	ax (20MHz)	106	53	MCS11	Pass
	6275	65	ax (20MHz)	106	54	MCS11	Pass
	6415	93	ax (20MHz)	106	53	MCS11	Pass
	6415	93	ax (20MHz)	106	54	MCS11	Pass
	6125	35	ax (40MHz)	106	53	MCS11	Pass
	6125	35	ax (40MHz)	106	54	MCS11	Pass
	6125	35	ax (40MHz)	106	56	MCS11	Pass
	6285	67	ax (40MHz)	106	53	MCS11	Pass
	6285	67	ax (40MHz)	106	54	MCS11	Pass
	6285	67	ax (40MHz)	106	56	MCS11	Pass
	6405	91	ax (40MHz)	106	53	MCS11	Pass
	6405	91	ax (40MHz)	106	54	MCS11	Pass
	6405	91	ax (40MHz)	106	56	MCS11	Pass
	6145	39	ax (80MHz)	106	53	MCS11	Pass
	6145	39	ax (80MHz)	106	56	MCS11	Pass
	6145	39	ax (80MHz)	106	60	MCS11	Pass
	6305	71	ax (80MHz)	106	53	MCS11	Pass
	6305	71	ax (80MHz)	106	56	MCS11	Pass
	6305	71	ax (80MHz)	106	60	MCS11	Pass
	6385	87	ax (80MHz)	106	53	MCS11	Pass
	6385	87	ax (80MHz)	106	56	MCS11	Pass
	6385	87	ax (80MHz)	106	60	MCS11	Pass
	6185	47(L)	ax (160MHz)	106	53	MCS11	Pass
	6185	47(L)	ax (160MHz)	106	60	MCS11	Pass
	6185	47(L)	ax (160MHz)	106	60	MCS11	Pass
	6333	79(L)	ax (160MHz)	106	53	MCS11	Pass
	6333	79(L)	ax (160MHz)	106	60	MCS11	Pass
	6333	79(U)	ax (160MHz)	106	60	MCS11	Pass
Band 6	6435	97	ax (20MHz)	106	53	MCS11	Pass
	6435	97	ax (20MHz)	106	54	MCS11	Pass
	6475	105	ax (20MHz)	106	53	MCS11	Pass
	6475	105	ax (20MHz)	106	54	MCS11	Pass
	6515	113	ax (20MHz)	106	53	MCS11	Pass
	6515	113	ax (20MHz)	106	54	MCS11	Pass
	6445	99	ax (40MHz)	106	53	MCS11	Pass
	6445	99	ax (40MHz)	106	54	MCS11	Pass
	6445	99	ax (40MHz)	106	56	MCS11	Pass
	6485	107	ax (40MHz)	106	53	MCS11	Pass
	6485	107	ax (40MHz)	106	54	MCS11	Pass
	6485	107	ax (40MHz)	106	56	MCS11	Pass
	6525	115	ax (40MHz)	106	53	MCS11	Pass
	6525	115	ax (40MHz)	106	54	MCS11	Pass
	6525	115	ax (40MHz)	106	56	MCS11	Pass
	6465	103	ax (80MHz)	106	53	MCS11	Pass
	6465	103	ax (80MHz)	106	56	MCS11	Pass
	6465	103	ax (80MHz)	106	60	MCS11	Pass
	6505	111(L)	ax (160MHz)	106	53	MCS11	Pass
	6505	111(L)	ax (160MHz)	106	60	MCS11	Pass
	6505	111(U)	ax (160MHz)	106	60	MCS11	Pass
	6535	117	ax (20MHz)	52	37	MCS11	Pass
	6535	117	ax (20MHz)	52	39	MCS11	Pass
Band 7	6695	149	ax (20MHz)	52	37	MCS11	Pass
	6695	149	ax (20MHz)	52	39	MCS11	Pass
	6875	185	ax (20MHz)	52	37	MCS11	Pass
	6875	185	ax (20MHz)	52	39	MCS11	Pass
	6565	123	ax (40MHz)	52	37	MCS11	Pass
	6565	123	ax (40MHz)	52	40	MCS11	Pass
	6565	123	ax (40MHz)	52	44	MCS11	Pass
	6725	155	ax (40MHz)	52	37	MCS11	Pass
	6725	155	ax (40MHz)	52	40	MCS11	Pass
	6725	155	ax (40MHz)	52	44	MCS11	Pass
	6845	179	ax (40MHz)	52	37	MCS11	Pass
	6845	179	ax (40MHz)	52	40	MCS11	Pass
	6845	179	ax (40MHz)	52	44	MCS11	Pass
	6545	119	ax (80MHz)	106	53	MCS11	Pass
	6545	119	ax (80MHz)	106	56	MCS11	Pass
	6545	119	ax (80MHz)	106	60	MCS11	Pass
	6705	151	ax (80MHz)	52	37	MCS11	Pass
	6705	151	ax (80MHz)	52	44	MCS11	Pass
	6865	183	ax (80MHz)	52	37	MCS11	Pass
	6865	183	ax (80MHz)	52	44	MCS11	Pass
	6865	183	ax (80MHz)	52	52	MCS11	Pass
	6665	143(L)	ax (160MHz)	52	37	MCS11	Pass
	6665	143(L)	ax (160MHz)	52	52	MCS11	Pass
	6665	143(U)	ax (160MHz)	52	52	MCS11	Pass
	6825	175(L)	ax (160MHz)	52	37	MCS11	Pass
	6825	175(L)	ax (160MHz)	52	52	MCS11	Pass
	6825	175(U)	ax (160MHz)	52	52	MCS11	Pass
Band 8	6895	189	ax (20MHz)	52	37	MCS11	Pass
	6895	189	ax (20MHz)	52	39	MCS11	Pass
	6895	189	ax (20MHz)	52	40	MCS11	Pass
	6995	209	ax (20MHz)	52	37	MCS11	Pass
	6995	209	ax (20MHz)	52	39	MCS11	Pass
	6995	209	ax (20MHz)	52	40	MCS11	Pass
	7095	229	ax (20MHz)	52	37	MCS11	Pass
	7095	229	ax (20MHz)	52	39	MCS11	Pass
	7095	229	ax (20MHz)	52	40	MCS11	Pass
	6885	187	ax (40MHz)	52	37	MCS11	Pass
	6885	187	ax (40MHz)	52	40	MCS11	Pass
	6885	187	ax (40MHz)	52	44	MCS11	Pass
	7005	211	ax (40MHz)	52	37	MCS11	Pass
	7005	211	ax (40MHz)	52	40	MCS11	Pass
	7005	211	ax (40MHz)	52	44	MCS11	Pass
	7085	227	ax (40MHz)	52	37	MCS11	Pass
	7085	227	ax (40MHz)	52	40	MCS11	Pass
	7085	227	ax (40MHz)	52	44	MCS11	Pass
	6945	199	ax (80MHz)	52	37	MCS11	Pass
	6945	199	ax (80MHz)	52	44	MCS11	Pass
	6945	199	ax (80MHz)	52	52	MCS11	Pass
	7025	215	ax (80MHz)	52	37	MCS11	Pass
	7025	215	ax (80MHz)	52	44	MCS11	Pass
	7025	215	ax (80MHz)	52	52	MCS11	Pass
	6985	207(L)	ax (160MHz)	52	37	MCS11	Pass
	6985	207(L)	ax (160MHz)	52	52	MCS11	Pass
	6985	207(U)	ax (160MHz)	52	52	MCS11	Pass

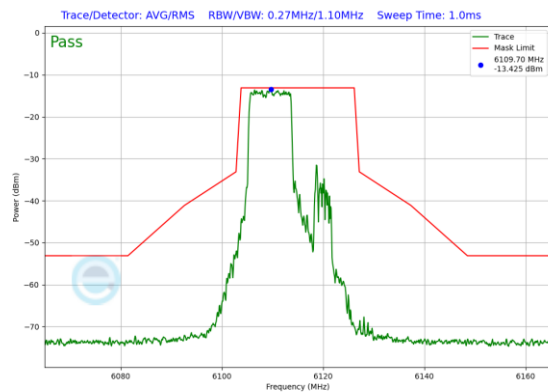
Table 7-29. Power Spectral Density Measurements Antenna 0 (Partially Loaded RU)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 85 of 198

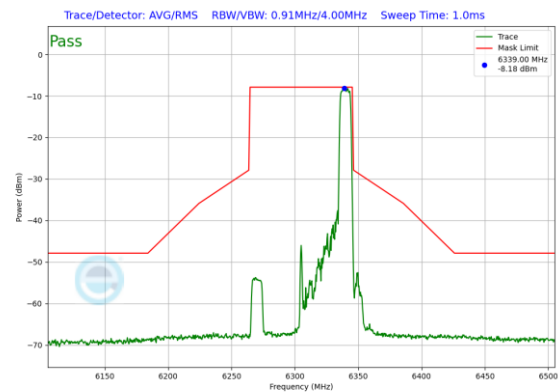
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	In-Band Emission
Band 5	6115	33	ax (20MHz)	242	61	MCS11	Pass
	6275	65	ax (20MHz)	242	61	MCS11	Pass
	6415	93	ax (20MHz)	242	61	MCS11	Pass
	6125	35	ax (40MHz)	484	65	MCS11	Pass
	6285	67	ax (40MHz)	484	65	MCS11	Pass
	6405	91	ax (40MHz)	484	65	MCS11	Pass
	6145	39	ax (80MHz)	996	67	MCS11	Pass
	6305	71	ax (80MHz)	996	67	MCS11	Pass
	6385	87	ax (80MHz)	996	67	MCS11	Pass
	6185	47	ax (160MHz)	996	68	MCS11	Pass
	6333	79	ax (160MHz)	996	68	MCS11	Pass
Band 6	6435	97	ax (20MHz)	242	61	MCS11	Pass
	6475	105	ax (20MHz)	242	61	MCS11	Pass
	6515	113	ax (20MHz)	242	61	MCS11	Pass
	6445	99	ax (40MHz)	484	65	MCS11	Pass
	6485	107	ax (40MHz)	484	65	MCS11	Pass
	6525	115	ax (40MHz)	484	65	MCS11	Pass
	6465	103	ax (80MHz)	996	67	MCS11	Pass
	6505	111	ax (160MHz)	996	68	MCS11	Pass
Band 7	6535	117	ax (20MHz)	242	61	MCS11	Pass
	6695	149	ax (20MHz)	242	61	MCS11	Pass
	6875	185	ax (20MHz)	242	61	MCS11	Pass
	6565	123	ax (40MHz)	484	65	MCS11	Pass
	6725	155	ax (40MHz)	484	65	MCS11	Pass
	6845	179	ax (40MHz)	484	65	MCS11	Pass
	6545	119	ax (80MHz)	996	67	MCS11	Pass
	6705	151	ax (80MHz)	996	67	MCS11	Pass
	6865	183	ax (80MHz)	996	67	MCS11	Pass
	6665	143	ax (160MHz)	996	68	MCS11	Pass
	6825	175	ax (160MHz)	996	68	MCS11	Pass
Band 8	6895	189	ax (20MHz)	242	61	MCS11	Pass
	6995	209	ax (20MHz)	242	61	MCS11	Pass
	7115	229	ax (20MHz)	242	61	MCS11	Pass
	6885	187	ax (40MHz)	484	65	MCS11	Pass
	7005	211	ax (40MHz)	484	65	MCS11	Pass
	7085	227	ax (40MHz)	484	65	MCS11	Pass
	6945	199	ax (80MHz)	996	67	MCS11	Pass
	7025	215	ax (80MHz)	996	67	MCS11	Pass
	6985	207	ax (160MHz)	996	68	MCS11	Pass

Table 7-30. Power Spectral Density Measurements Antenna 0 (Fully – Loaded RU)

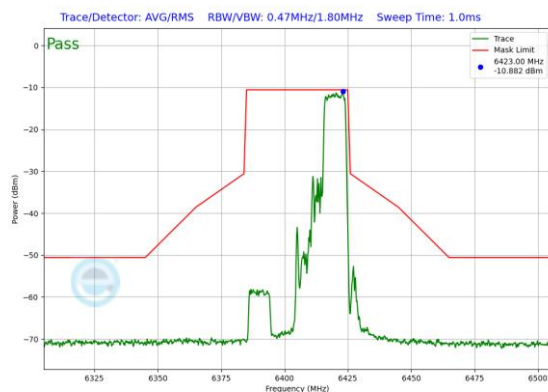
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 86 of 198



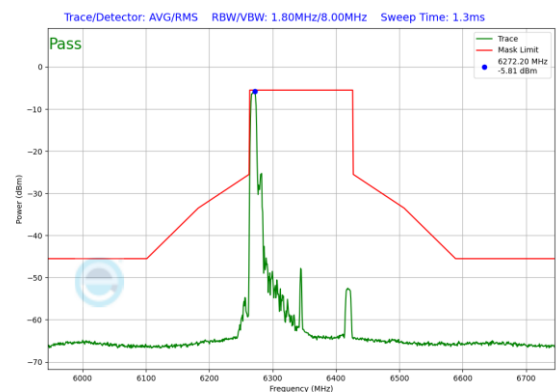
Plot 7-177. GEM Plot Antenna 0 (20MHz 802.11ax RU106 (UNII Band 5) – Ch. 33)



Plot 7-179. GEM Plot Antenna 0 (80MHz 802.11ax RU106 (UNII Band 5) – Ch. 71)

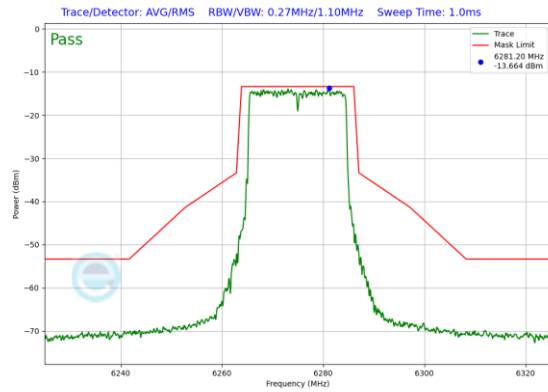


Plot 7-178. GEM Plot Antenna 0 (40MHz 802.11ax RU106 (UNII Band 5) – Ch. 91)

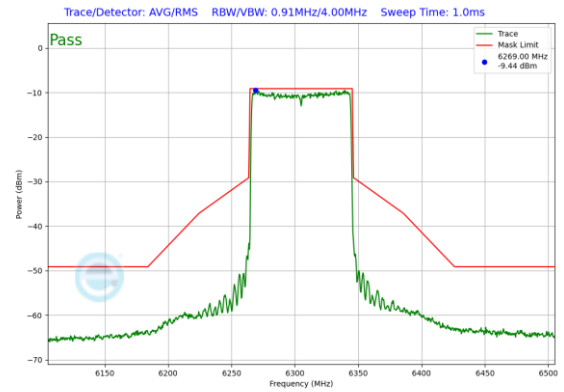


Plot 7-180. GEM Plot Antenna 0 (160MHz 802.11ax RU106 (UNII Band 5) – Ch. 79)

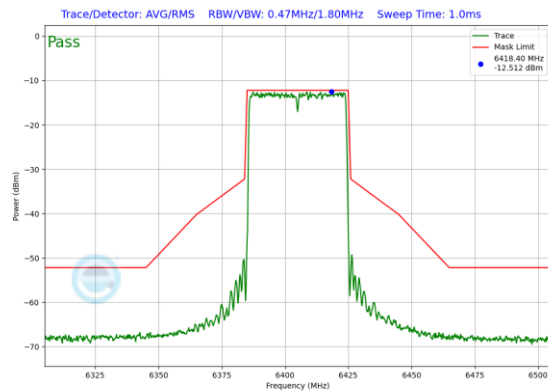
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 87 of 198



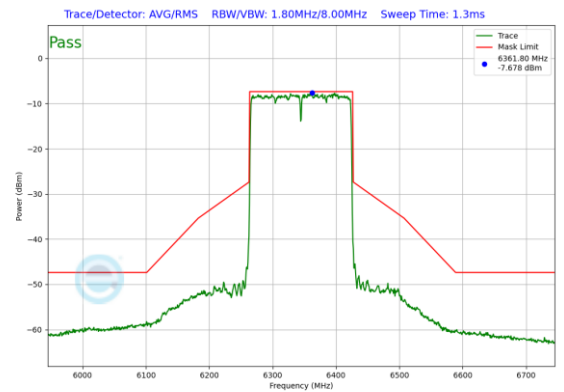
Plot 7-181. GEM Plot Antenna 0 (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 65)



Plot 7-183. GEM Plot Antenna 0 (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 71)

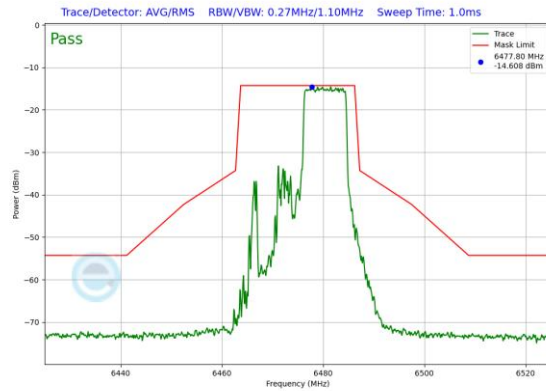


Plot 7-182. GEM Plot Antenna 0 (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 91)

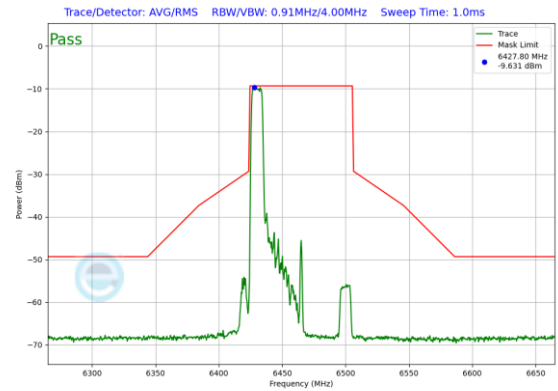


Plot 7-184. GEM Plot Antenna 0 (160MHz 802.11ax RU996x2 (UNII Band 5) – Ch. 79)

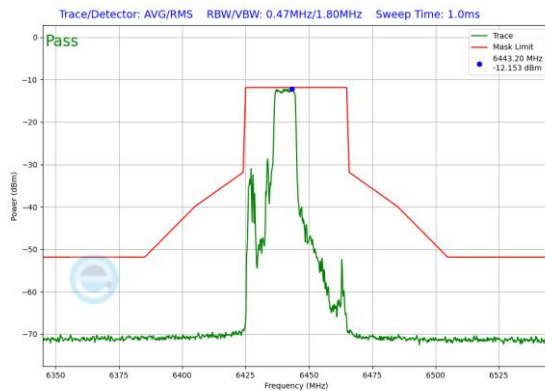
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		



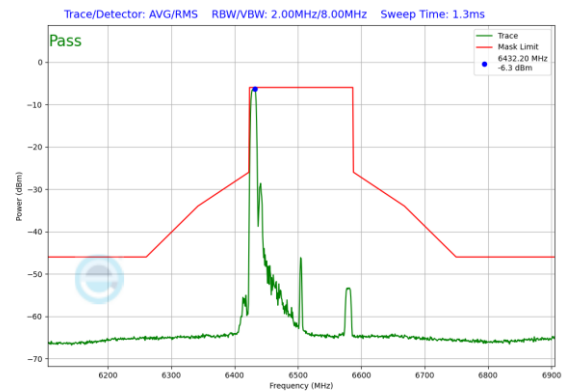
Plot 7-185. GEM Plot Antenna 0 (20MHz 802.11ax RU106 (UNII Band 6) – Ch. 105)



Plot 7-187. GEM Plot Antenna 0 (80MHz 802.11ax RU106 (UNII Band 6) – Ch. 103)

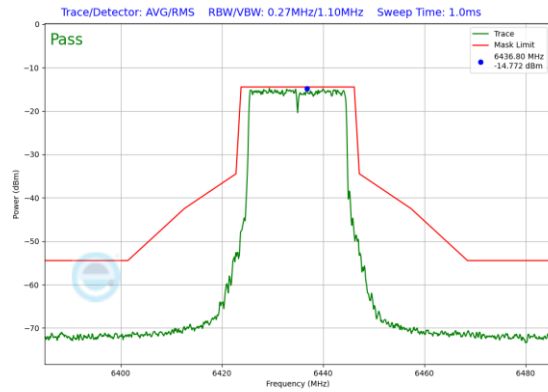


Plot 7-186. GEM Plot Antenna 0 (40MHz 802.11ax RU106 (UNII Band 6) – Ch. 99)

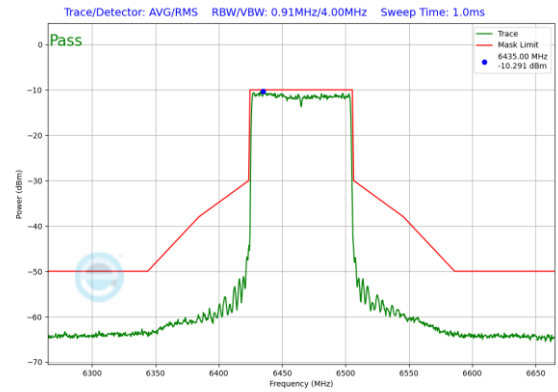


Plot 7-188. GEM Plot Antenna 0 (160MHz 802.11ax RU106 (UNII Band 6) – Ch. 111)

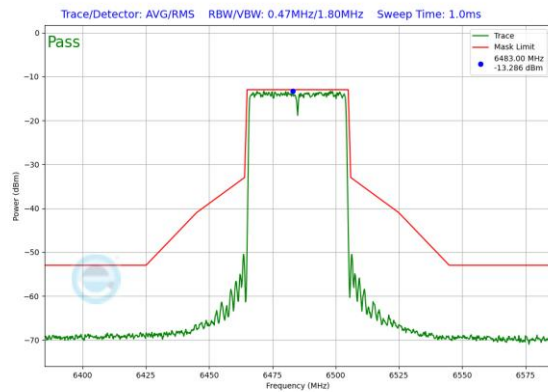
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 89 of 198



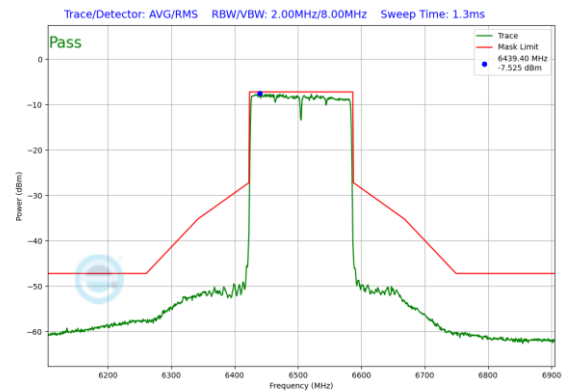
Plot 7-189. GEM Plot Antenna 0 (20MHz 802.11ax RU242 (UNII Band 6) – Ch. 97)



Plot 7-191. GEM Plot Antenna 0 (80MHz 802.11ax RU996 (UNII Band 6) – Ch. 103)

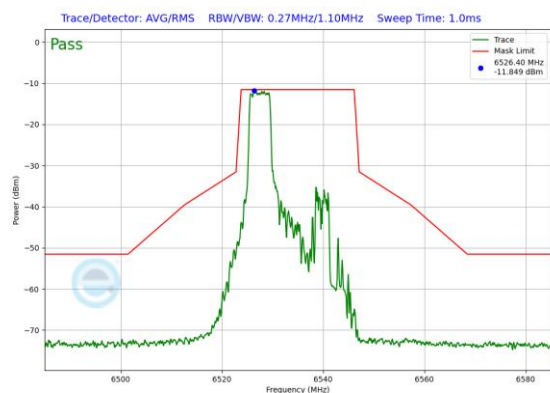


Plot 7-190. GEM Plot Antenna 0 (40MHz 802.11ax RU484 (UNII Band 6) – Ch. 107)

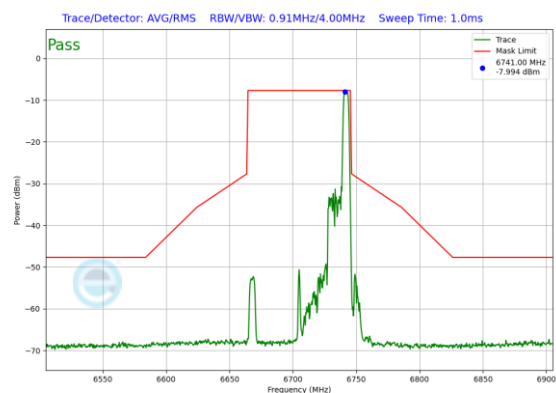


Plot 7-192. GEM Plot Antenna 0 (160MHz 802.11ax RU996x2 (UNII Band 6) – Ch. 111)

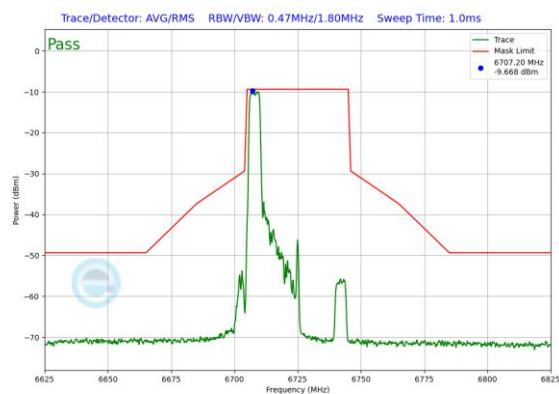
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 90 of 198



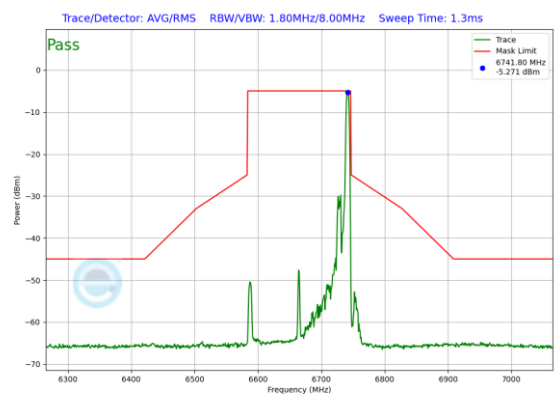
Plot 7-193. GEM Plot Antenna 0 (20MHz 802.11ax RU106 (UNII Band 7) – Ch. 117)



Plot 7-195. GEM Plot Antenna 0 (80MHz 802.11ax RU106 (UNII Band 7) – Ch. 151)

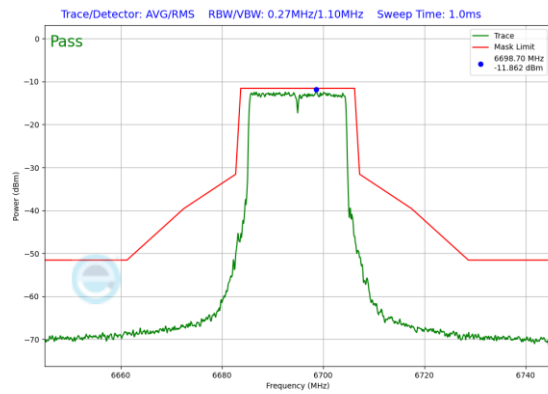


Plot 7-194. GEM Plot Antenna 0 (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 155)

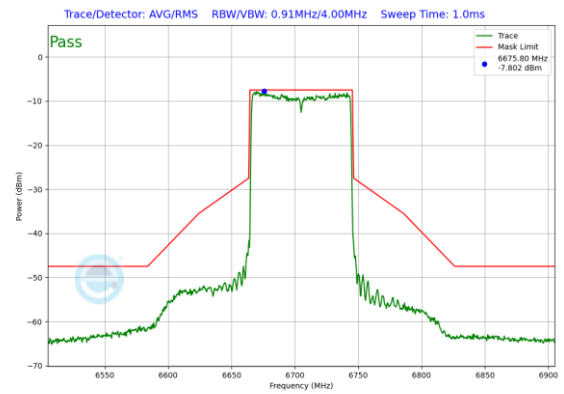


Plot 7-196. GEM Plot Antenna 0 (160MHz 802.11ax RU106 (UNII Band 7) – Ch. 143)

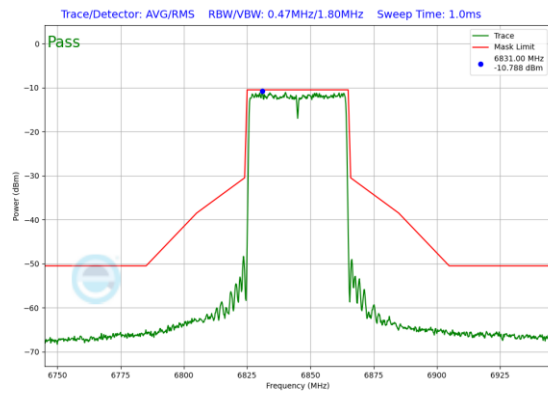
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 91 of 198



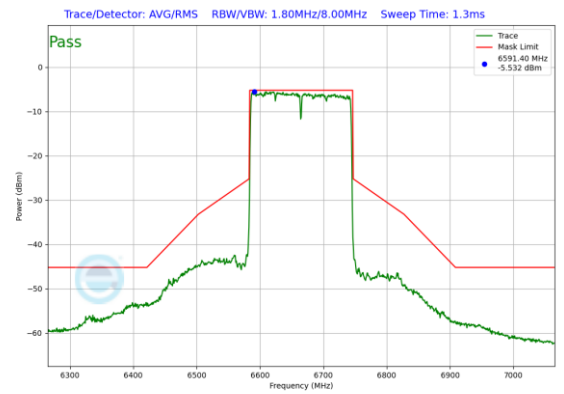
Plot 7-197. GEM Plot Antenna 0 (20MHz 802.11ax RU242 (UNII Band 7) – Ch. 149)



Plot 7-199. GEM Plot Antenna 0 (80MHz 802.11ax RU996 (UNII Band 7) – Ch. 151)

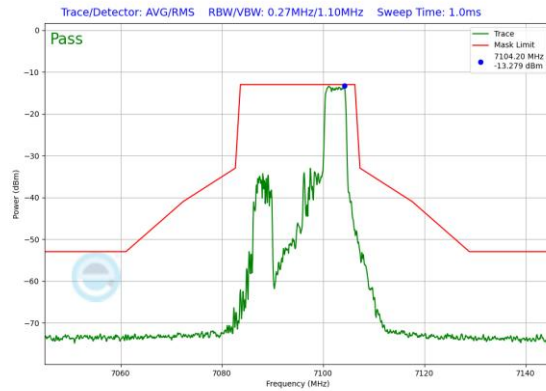


Plot 7-198. GEM Plot Antenna 0 (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 123)

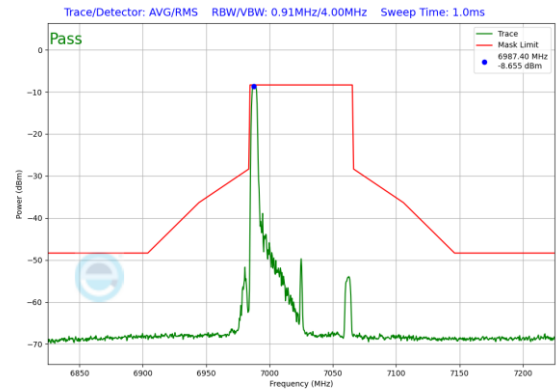


Plot 7-200. GEM Plot Antenna 0 (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)

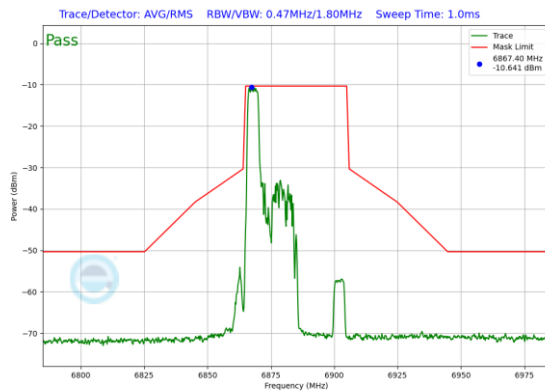
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 92 of 198



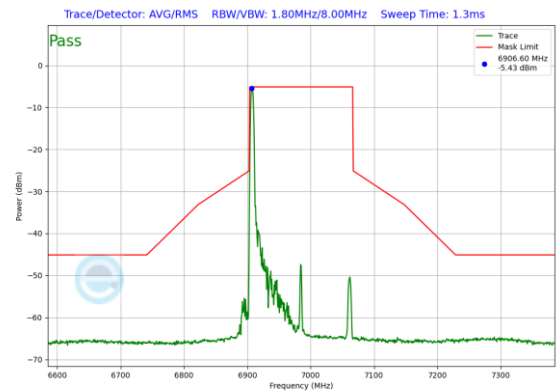
Plot 7-201. GEM Plot Antenna 0 (20MHz 802.11ax RU106 (UNII Band 8) – Ch. 229)



Plot 7-203. GEM Plot Antenna 0 (80MHz 802.11ax RU106 (UNII Band 8) – Ch. 215)

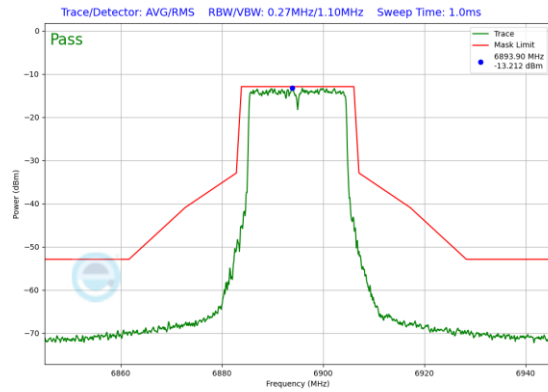


Plot 7-202. GEM Plot Antenna 0 (40MHz 802.11ax RU106 (UNII Band 8) – Ch. 187)

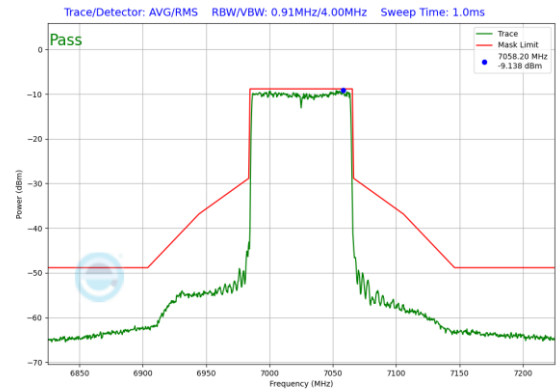


Plot 7-204. GEM Plot Antenna 0 (160MHz 802.11ax RU106 (UNII Band 8) – Ch. 207)

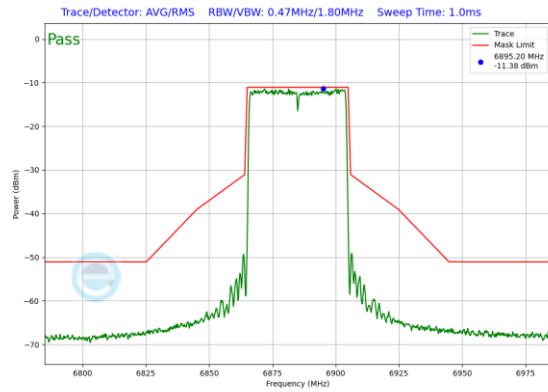
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 93 of 198



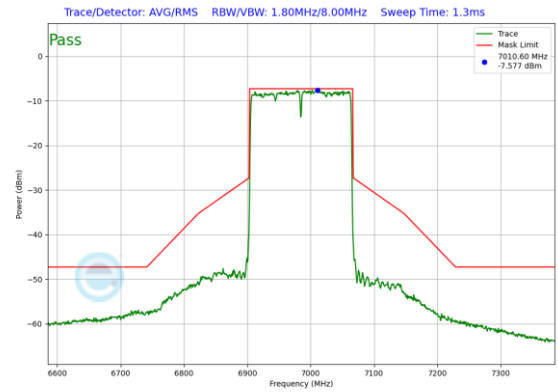
Plot 7-205. GEM Plot Antenna 0 (20MHz 802.11ax RU242 (UNII Band 8) – Ch. 189)



Plot 7-207. GEM Plot Antenna 0 (80MHz 802.11ax RU996 (UNII Band 8) – Ch. 215)



Plot 7-206. GEM Plot Antenna 0 (40MHz 802.11ax RU484 (UNII Band 8) – Ch. 187)



Plot 7-208. GEM Plot Antenna 0 (160MHz 802.11ax RU996x2 (UNII Band 8) – Ch. 207)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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.		

7.5.2 Antenna 1 In-Band Emission Measurements – VLP

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU index	Data Rate	In-Band Emission
Band 5	6115	33	ax (20MHz)	106	53	MCS11	Pass
	6115	33	ax (20MHz)	106	54	MCS11	Pass
	6275	65	ax (20MHz)	106	53	MCS11	Pass
	6275	65	ax (20MHz)	106	54	MCS11	Pass
	6415	93	ax (20MHz)	106	53	MCS11	Pass
	6415	93	ax (20MHz)	106	54	MCS11	Pass
	6125	35	ax (40MHz)	106	53	MCS11	Pass
	6125	35	ax (40MHz)	106	54	MCS11	Pass
	6125	35	ax (40MHz)	106	56	MCS11	Pass
	6285	67	ax (40MHz)	106	53	MCS11	Pass
	6285	67	ax (40MHz)	106	54	MCS11	Pass
	6285	67	ax (40MHz)	106	56	MCS11	Pass
	6405	91	ax (40MHz)	106	53	MCS11	Pass
	6405	91	ax (40MHz)	106	54	MCS11	Pass
	6405	91	ax (40MHz)	106	56	MCS11	Pass
	6145	39	ax (80MHz)	106	53	MCS11	Pass
	6145	39	ax (80MHz)	106	56	MCS11	Pass
	6145	39	ax (80MHz)	106	60	MCS11	Pass
	6305	71	ax (80MHz)	106	53	MCS11	Pass
	6305	71	ax (80MHz)	106	56	MCS11	Pass
	6305	71	ax (80MHz)	106	60	MCS11	Pass
	6385	87	ax (80MHz)	106	53	MCS11	Pass
	6385	87	ax (80MHz)	106	56	MCS11	Pass
	6385	87	ax (80MHz)	106	60	MCS11	Pass
	6185	47(L)	ax (160MHz)	106	53	MCS11	Pass
	6185	47(L)	ax (160MHz)	106	60	MCS11	Pass
	6185	47(U)	ax (160MHz)	106	60	MCS11	Pass
	6333	79(L)	ax (160MHz)	106	53	MCS11	Pass
	6333	79(L)	ax (160MHz)	106	60	MCS11	Pass
	6333	79(U)	ax (160MHz)	106	60	MCS11	Pass
Band 6	6435	97	ax (20MHz)	106	53	MCS11	Pass
	6435	97	ax (20MHz)	106	54	MCS11	Pass
	6475	105	ax (20MHz)	106	53	MCS11	Pass
	6475	105	ax (20MHz)	106	54	MCS11	Pass
	6515	113	ax (20MHz)	106	53	MCS11	Pass
	6515	113	ax (20MHz)	106	54	MCS11	Pass
	6445	99	ax (40MHz)	106	53	MCS11	Pass
	6445	99	ax (40MHz)	106	54	MCS11	Pass
	6445	99	ax (40MHz)	106	56	MCS11	Pass
	6485	107	ax (40MHz)	106	53	MCS11	Pass
	6485	107	ax (40MHz)	106	54	MCS11	Pass
	6485	107	ax (40MHz)	106	56	MCS11	Pass
	6525	115	ax (40MHz)	106	53	MCS11	Pass
	6525	115	ax (40MHz)	106	54	MCS11	Pass
	6525	115	ax (40MHz)	106	56	MCS11	Pass
	6465	103	ax (80MHz)	106	53	MCS11	Pass
	6465	103	ax (80MHz)	106	56	MCS11	Pass
	6465	103	ax (80MHz)	106	60	MCS11	Pass
	6505	111(L)	ax (160MHz)	106	53	MCS11	Pass
	6505	111(L)	ax (160MHz)	106	60	MCS11	Pass
	6505	111(U)	ax (160MHz)	106	60	MCS11	Pass
Band 7	6535	117	ax (20MHz)	52	37	MCS11	Pass
	6535	117	ax (20MHz)	52	39	MCS11	Pass
	6695	149	ax (20MHz)	52	37	MCS11	Pass
	6695	149	ax (20MHz)	52	39	MCS11	Pass
	6875	185	ax (20MHz)	52	37	MCS11	Pass
	6875	185	ax (20MHz)	52	39	MCS11	Pass
	6565	123	ax (40MHz)	52	37	MCS11	Pass
	6565	123	ax (40MHz)	52	40	MCS11	Pass
	6565	123	ax (40MHz)	52	44	MCS11	Pass
	6725	155	ax (40MHz)	52	37	MCS11	Pass
	6725	155	ax (40MHz)	52	40	MCS11	Pass
	6725	155	ax (40MHz)	52	44	MCS11	Pass
	6845	179	ax (40MHz)	52	37	MCS11	Pass
	6845	179	ax (40MHz)	52	40	MCS11	Pass
	6845	179	ax (40MHz)	52	44	MCS11	Pass
	6545	119	ax (80MHz)	106	53	MCS11	Pass
	6545	119	ax (80MHz)	106	56	MCS11	Pass
	6545	119	ax (80MHz)	106	60	MCS11	Pass
	6705	151	ax (80MHz)	52	37	MCS11	Pass
	6705	151	ax (80MHz)	52	44	MCS11	Pass
	6705	151	ax (80MHz)	52	52	MCS11	Pass
	6865	183	ax (80MHz)	52	37	MCS11	Pass
	6865	183	ax (80MHz)	52	44	MCS11	Pass
	6865	183	ax (80MHz)	52	52	MCS11	Pass
Band 8	6665	143(L)	ax (160MHz)	52	37	MCS11	Pass
	6665	143(L)	ax (160MHz)	52	52	MCS11	Pass
	6665	143(U)	ax (160MHz)	52	52	MCS11	Pass
	6825	175(L)	ax (160MHz)	52	37	MCS11	Pass
	6825	175(L)	ax (160MHz)	52	52	MCS11	Pass
	6825	175(U)	ax (160MHz)	52	52	MCS11	Pass
	6895	189	ax (20MHz)	52	37	MCS11	Pass
	6895	189	ax (20MHz)	52	39	MCS11	Pass
	6895	189	ax (20MHz)	52	40	MCS11	Pass
	6995	209	ax (20MHz)	52	37	MCS11	Pass
	6995	209	ax (20MHz)	52	39	MCS11	Pass
	6995	209	ax (20MHz)	52	40	MCS11	Pass
	7095	229	ax (20MHz)	52	37	MCS11	Pass
	7095	229	ax (20MHz)	52	39	MCS11	Pass
	7095	229	ax (20MHz)	52	40	MCS11	Pass
	6885	187	ax (40MHz)	52	37	MCS11	Pass
	6885	187	ax (40MHz)	52	40	MCS11	Pass
	6885	187	ax (40MHz)	52	44	MCS11	Pass
	7005	211	ax (40MHz)	52	37	MCS11	Pass
	7005	211	ax (40MHz)	52	40	MCS11	Pass
	7005	211	ax (40MHz)	52	44	MCS11	Pass
	7085	227	ax (40MHz)	52	37	MCS11	Pass
	7085	227	ax (40MHz)	52	40	MCS11	Pass
	7085	227	ax (40MHz)	52	44	MCS11	Pass
	6945	199	ax (80MHz)	52	37	MCS11	Pass
	6945	199	ax (80MHz)	52	44	MCS11	Pass
	6945	199	ax (80MHz)	52	52	MCS11	Pass
	7025	215	ax (80MHz)	52	37	MCS11	Pass
	7025	215	ax (80MHz)	52	44	MCS11	Pass
	7025	215	ax (80MHz)	52	52	MCS11	Pass
	6985	207(L)	ax (160MHz)	52	37	MCS11	Pass
	6985	207(L)	ax (160MHz)	52	52	MCS11	Pass
	6985	207(U)	ax (160MHz)	52	52	MCS11	Pass

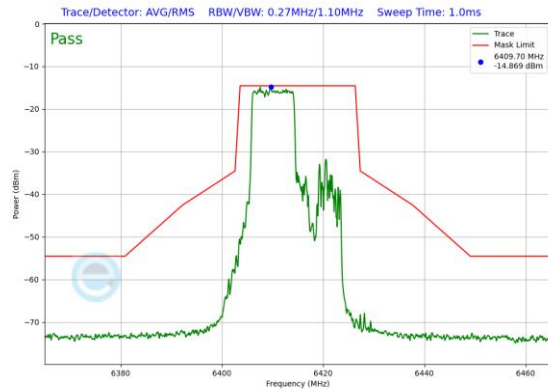
Table 7-31. Power Spectral Density Measurements Antenna 1 (Partially Loaded RU)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 95 of 198

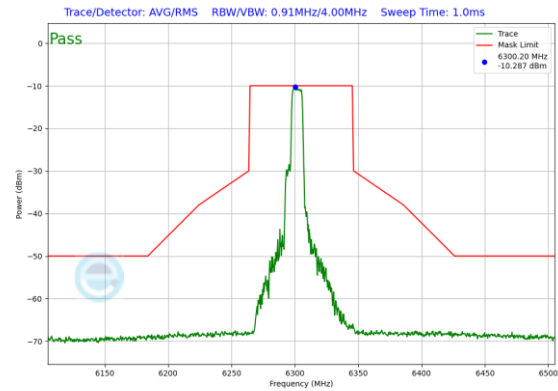
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	In-Band Emission
Band 5	6115	33	ax (20MHz)	242	61	MCS11	Pass
	6275	65	ax (20MHz)	242	61	MCS11	Pass
	6415	93	ax (20MHz)	242	61	MCS11	Pass
	6125	35	ax (40MHz)	484	65	MCS11	Pass
	6285	67	ax (40MHz)	484	65	MCS11	Pass
	6405	91	ax (40MHz)	484	65	MCS11	Pass
	6145	39	ax (80MHz)	996	67	MCS11	Pass
	6305	71	ax (80MHz)	996	67	MCS11	Pass
	6385	87	ax (80MHz)	996	67	MCS11	Pass
	6185	47	ax (160MHz)	996	68	MCS11	Pass
Band 6	6333	79	ax (160MHz)	996	68	MCS11	Pass
	6435	97	ax (20MHz)	242	61	MCS11	Pass
	6475	105	ax (20MHz)	242	61	MCS11	Pass
	6515	113	ax (20MHz)	242	61	MCS11	Pass
	6445	99	ax (40MHz)	484	65	MCS11	Pass
	6485	107	ax (40MHz)	484	65	MCS11	Pass
	6525	115	ax (40MHz)	484	65	MCS11	Pass
	6465	103	ax (80MHz)	996	67	MCS11	Pass
Band 7	6505	111	ax (160MHz)	996	68	MCS11	Pass
	6535	117	ax (20MHz)	242	61	MCS11	Pass
	6695	149	ax (20MHz)	242	61	MCS11	Pass
	6875	185	ax (20MHz)	242	61	MCS11	Pass
	6565	123	ax (40MHz)	484	65	MCS11	Pass
	6725	155	ax (40MHz)	484	65	MCS11	Pass
	6845	179	ax (40MHz)	484	65	MCS11	Pass
	6545	119	ax (80MHz)	996	67	MCS11	Pass
	6705	151	ax (80MHz)	996	67	MCS11	Pass
	6865	183	ax (80MHz)	996	67	MCS11	Pass
	6665	143	ax (160MHz)	996	68	MCS11	Pass
	6825	175	ax (160MHz)	996	68	MCS11	Pass
Band 8	6895	189	ax (20MHz)	242	61	MCS11	Pass
	6995	209	ax (20MHz)	242	61	MCS11	Pass
	7115	229	ax (20MHz)	242	61	MCS11	Pass
	6885	187	ax (40MHz)	484	65	MCS11	Pass
	7005	211	ax (40MHz)	484	65	MCS11	Pass
	7085	227	ax (40MHz)	484	65	MCS11	Pass
	6945	199	ax (80MHz)	996	67	MCS11	Pass
	7025	215	ax (80MHz)	996	67	MCS11	Pass
	6985	207	ax (160MHz)	996	68	MCS11	Pass

Table 7-32. Power Spectral Density Measurements Antenna 1 (Fully – Loaded RU)

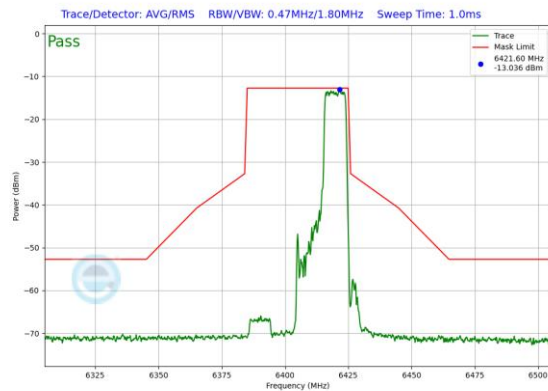
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 96 of 198



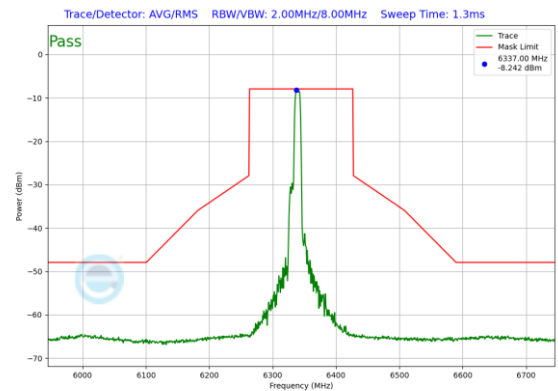
Plot 7-209. GEM Plot Antenna 1 (20MHz 802.11ax RU106 (UNII Band 5) – Ch. 93)



Plot 7-211. GEM Plot Antenna 1 (80MHz 802.11ax RU106 (UNII Band 5) – Ch. 71)

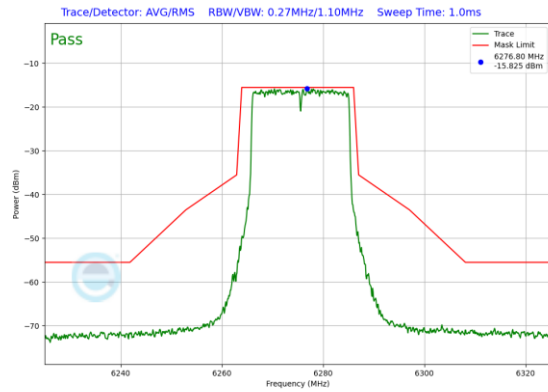


Plot 7-210. GEM Plot Antenna 1 (40MHz 802.11ax RU106 (UNII Band 5) – Ch. 91)

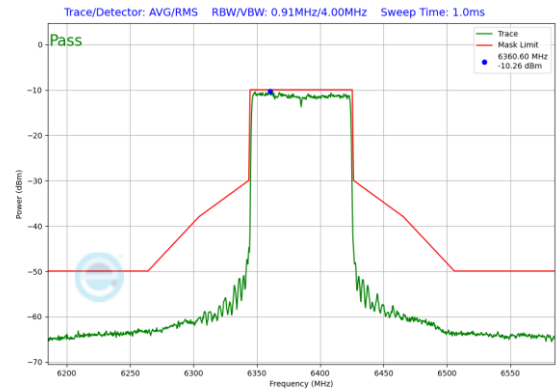


Plot 7-212. GEM Plot Antenna 1 (160MHz 802.11ax RU106 (UNII Band 5) – Ch. 79)

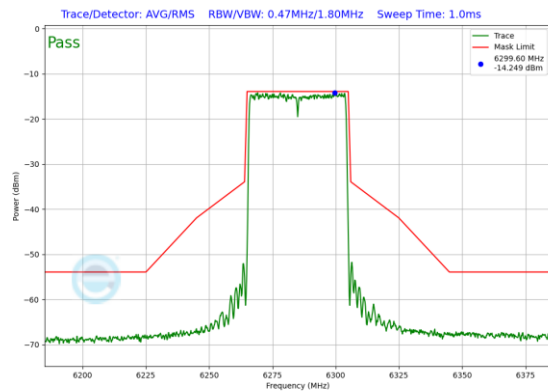
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 97 of 198



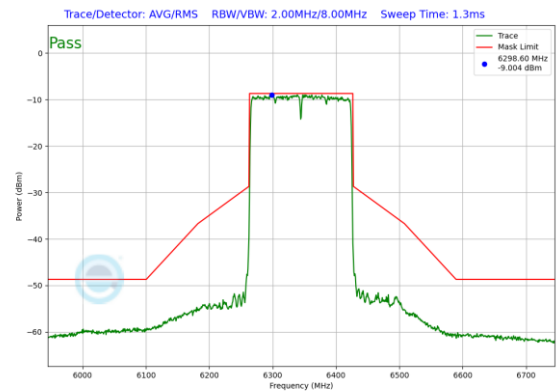
Plot 7-213. GEM Plot Antenna 1 (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 65)



Plot 7-215. GEM Plot Antenna 1 (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 87)

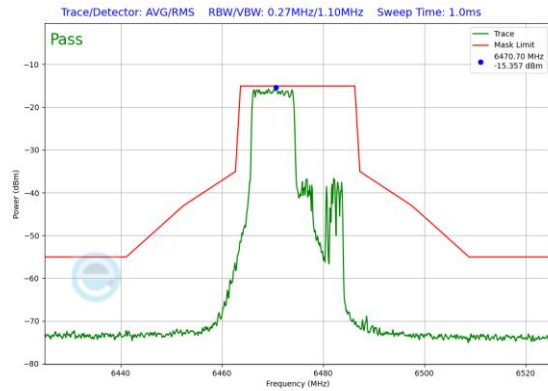


Plot 7-214. GEM Plot Antenna 1 (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 67)

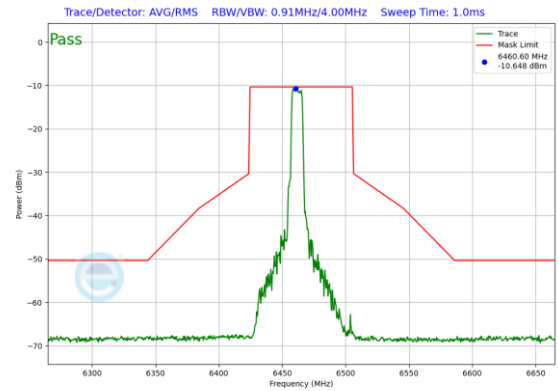


Plot 7-216. GEM Plot Antenna 1 (160MHz 802.11ax RU996x2 (UNII Band 5) – Ch. 79)

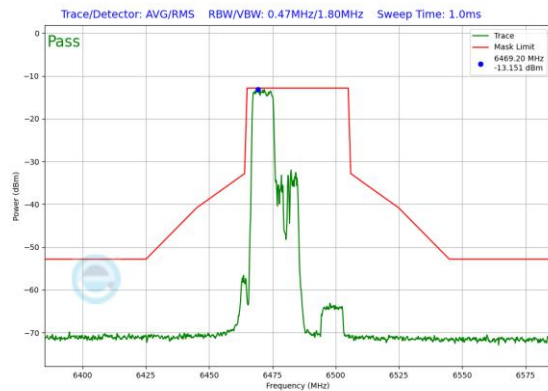
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 98 of 198



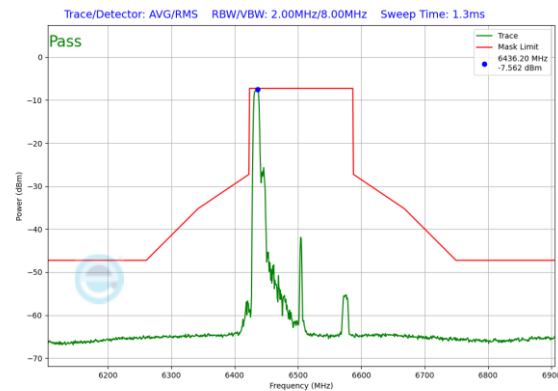
Plot 7-217. GEM Plot Antenna 1 (20MHz 802.11ax RU106 (UNII Band 6) – Ch. 105)



Plot 7-219. GEM Plot Antenna 1 (80MHz 802.11ax RU106 (UNII Band 6) – Ch. 103)

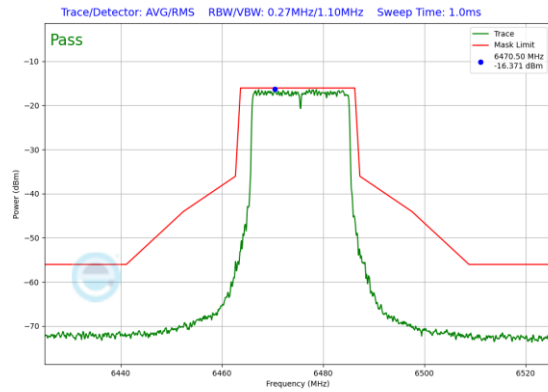


Plot 7-218. GEM Plot Antenna 1 (40MHz 802.11ax RU106 (UNII Band 6) – Ch. 107)

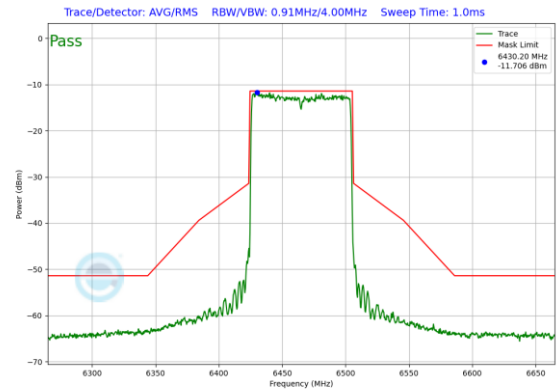


Plot 7-220. GEM Plot Antenna 1 (160MHz 802.11ax RU106 (UNII Band 6) – Ch. 111)

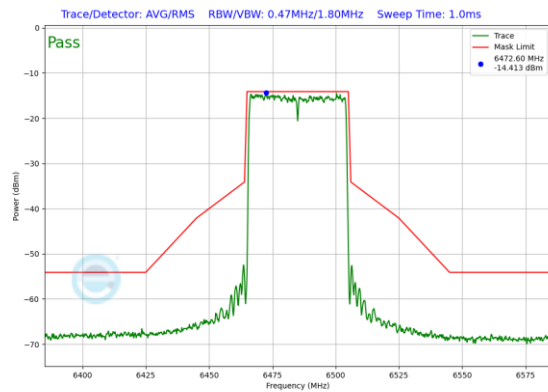
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 99 of 198



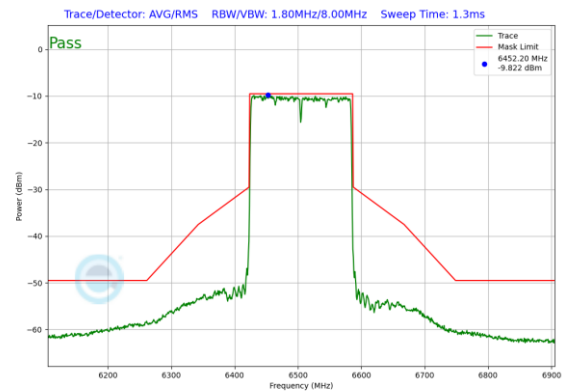
Plot 7-221. GEM Plot Antenna 1 (20MHz 802.11ax RU242 (UNII Band 6) – Ch. 105)



Plot 7-223. GEM Plot Antenna 1 (80MHz 802.11ax RU996 (UNII Band 6) – Ch. 103)

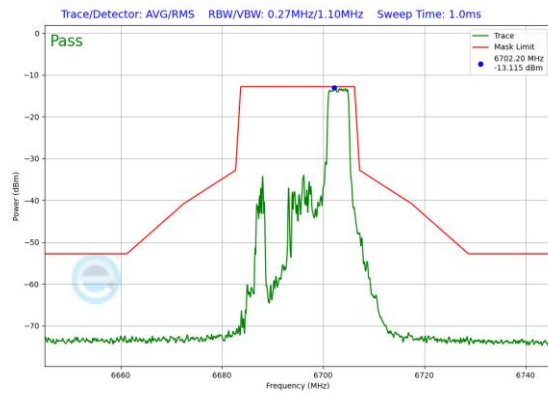


Plot 7-222. GEM Plot Antenna 1 (40MHz 802.11ax RU484 (UNII Band 6) – Ch. 107)

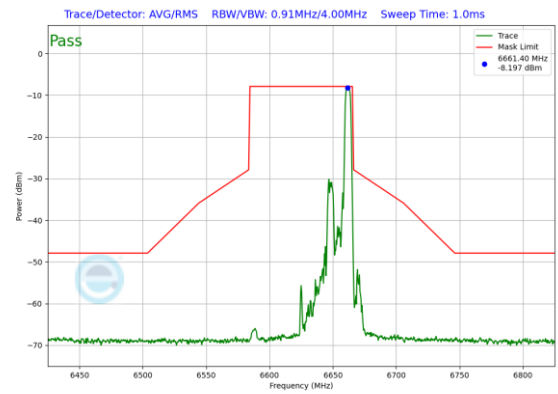


Plot 7-224. GEM Plot Antenna 1 (160MHz 802.11ax RU996x2 (UNII Band 6) – Ch. 111)

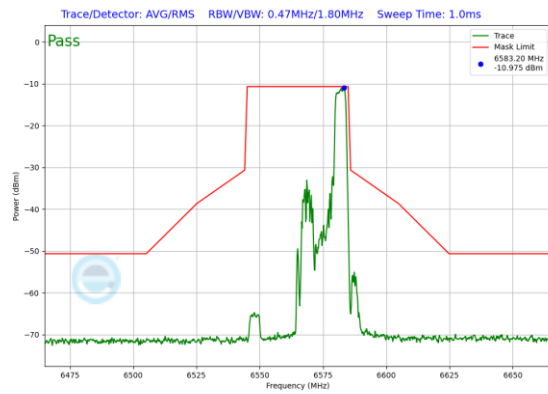
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 100 of 198



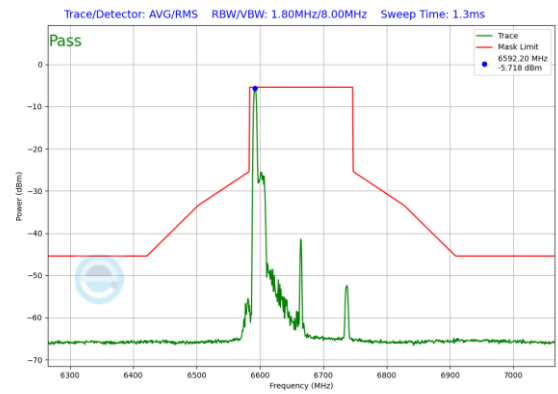
Plot 7-225. GEM Plot Antenna 1 (20MHz 802.11ax RU106 (UNII Band 7) – Ch. 149)



Plot 7-227. GEM Plot Antenna 1 (80MHz 802.11ax RU106 (UNII Band 7) – Ch. 135)

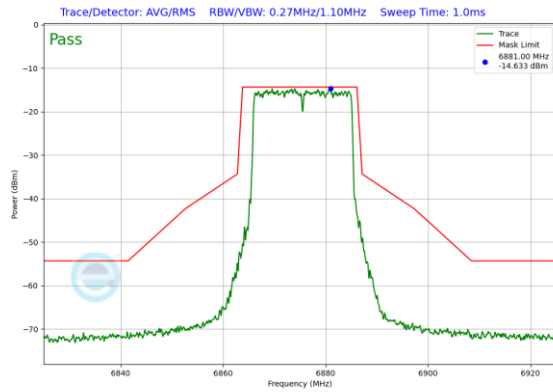


Plot 7-226. GEM Plot Antenna 1 (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 123)

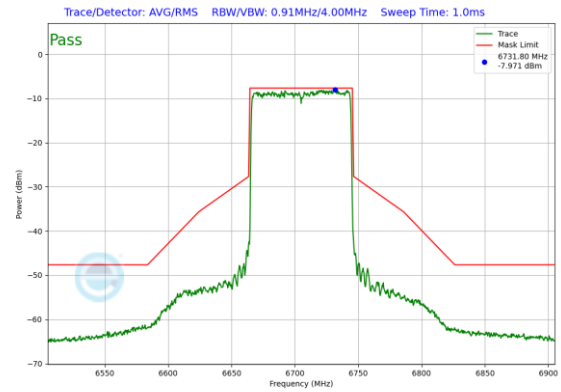


Plot 7-228. GEM Plot Antenna 1 (160MHz 802.11ax RU106 (UNII Band 7) – Ch. 143)

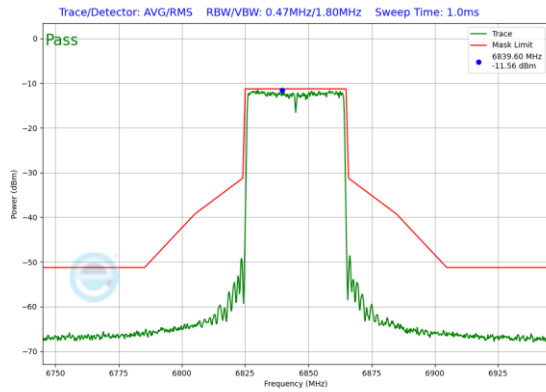
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 101 of 198



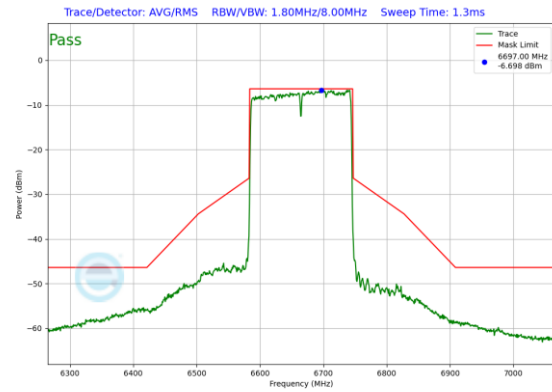
Plot 7-229. GEM Plot Antenna 1 (20MHz 802.11ax RU242 (UNII Band 7) – Ch. 185)



Plot 7-231. GEM Plot Antenna 1 (80MHz 802.11ax RU996 (UNII Band 7) – Ch. 151)

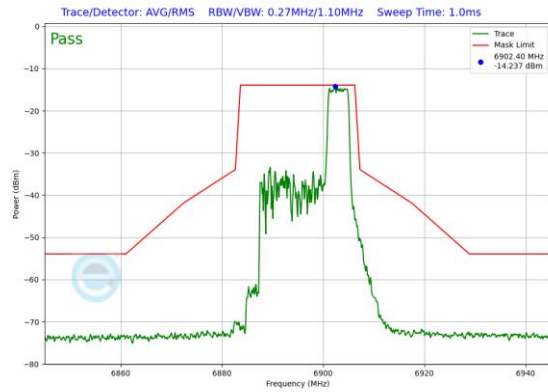


Plot 7-230. GEM Plot Antenna 1 (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 179)

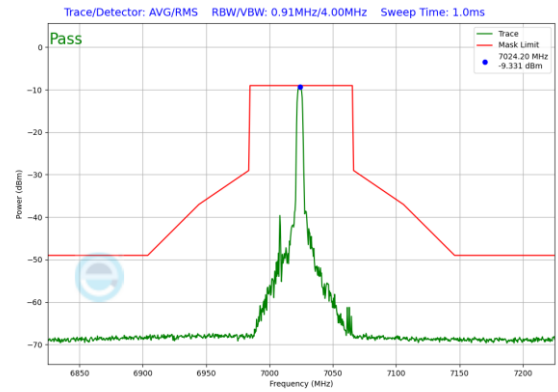


Plot 7-232. GEM Plot Antenna 1 (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)

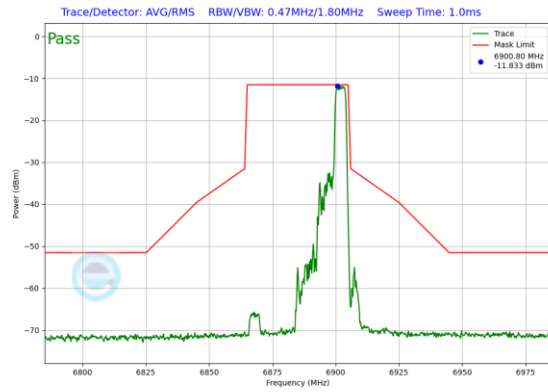
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 102 of 198



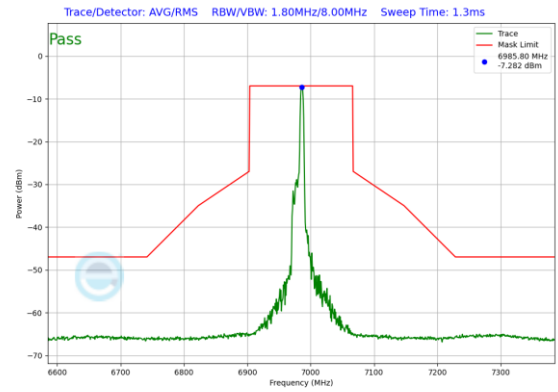
Plot 7-233. GEM Plot Antenna 1 (20MHz 802.11ax RU106 (UNII Band 8) – Ch. 189)



Plot 7-235. GEM Plot Antenna 1 (80MHz 802.11ax RU106 (UNII Band 8) – Ch. 215)

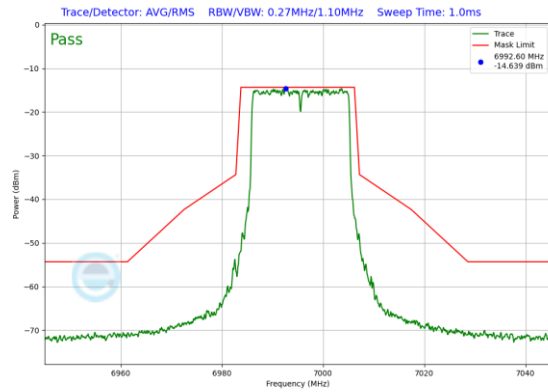


Plot 7-234. GEM Plot Antenna 1 (40MHz 802.11ax RU106 (UNII Band 8) – Ch. 187)

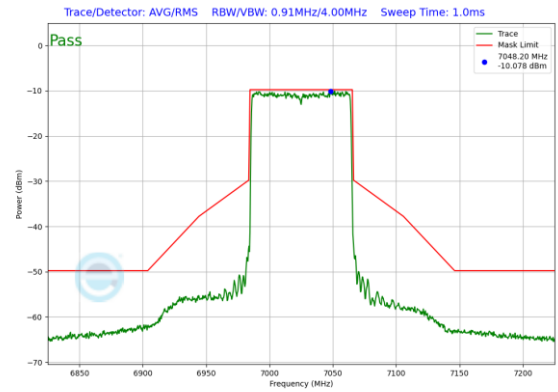


Plot 7-236. GEM Plot Antenna 1 (160MHz 802.11ax RU106 (UNII Band 8) – Ch. 207)

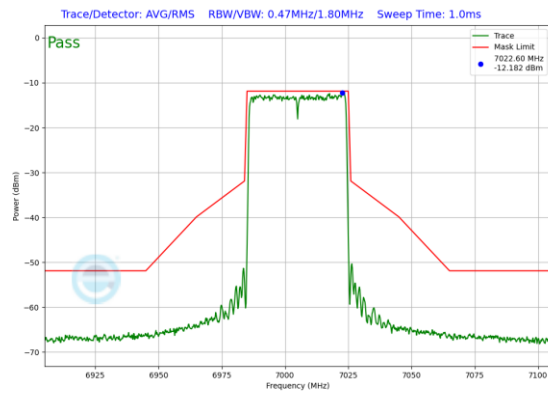
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 103 of 198



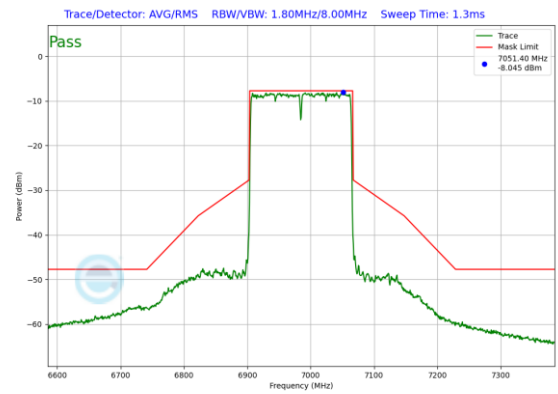
Plot 7-237. GEM Plot Antenna 1 (20MHz 802.11ax RU242 (UNII Band 8) – Ch. 209)



Plot 7-239. GEM Plot Antenna 1 (80MHz 802.11ax RU996 (UNII Band 8) – Ch. 215)



Plot 7-238. GEM Plot Antenna 1 (40MHz 802.11ax RU484 (UNII Band 8) – Ch. 211)



Plot 7-240. GEM Plot Antenna 1 (160MHz 802.11ax RU996x2 (UNII Band 8) – Ch. 207)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 104 of 198

7.5.3 SDM In-Band Emission Measurements – VLP

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 In-Band Emission	Antenna 1 In-Band Emission
Band 7	6535	117	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6535	117	ax (20MHz)	106	54	SDM	MCS11	Pass	Pass
	6695	149	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6695	149	ax (20MHz)	106	54	SDM	MCS11	Pass	Pass
	6875	185	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6875	185	ax (20MHz)	106	54	SDM	MCS11	Pass	Pass
	6565	123	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6565	123	ax (40MHz)	106	54	SDM	MCS11	Pass	Pass
	6565	123	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	6725	155	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6725	155	ax (40MHz)	106	54	SDM	MCS11	Pass	Pass
	6725	155	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	6845	179	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6845	179	ax (40MHz)	106	54	SDM	MCS11	Pass	Pass
	6845	179	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	6625	135	ax (80MHz)	106	53	SDM	MCS11	Pass	Pass
	6625	135	ax (80MHz)	106	56	SDM	MCS11	Pass	Pass
	6625	135	ax (80MHz)	106	60	SDM	MCS11	Pass	Pass
	6705	151	ax (80MHz)	106	53	SDM	MCS11	Pass	Pass
	6705	151	ax (80MHz)	106	56	SDM	MCS11	Pass	Pass
	6705	151	ax (80MHz)	106	60	SDM	MCS11	Pass	Pass
	6865	183	ax (80MHz)	106	53	SDM	MCS11	Pass	Pass
	6865	183	ax (80MHz)	106	56	SDM	MCS11	Pass	Pass
	6865	183	ax (80MHz)	106	60	SDM	MCS11	Pass	Pass
	6665	143(L)	ax (160MHz)	106	53	SDM	MCS11	Pass	Pass
	6665	143(L)	ax (160MHz)	106	60	SDM	MCS11	Pass	Pass
	6665	143(U)	ax (160MHz)	106	60	SDM	MCS11	Pass	Pass
	6825	175(L)	ax (160MHz)	106	53	SDM	MCS11	Pass	Pass
	6825	175(L)	ax (160MHz)	106	60	SDM	MCS11	Pass	Pass
	6825	175(U)	ax (160MHz)	106	60	SDM	MCS11	Pass	Pass
Band 8	6895	189	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6895	189	ax (20MHz)	106	54	SDM	MCS11	Pass	Pass
	6995	209	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6995	209	ax (20MHz)	106	54	SDM	MCS11	Pass	Pass
	7095	229	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	7095	229	ax (20MHz)	106	54	SDM	MCS11	Pass	Pass
	6885	187	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6885	187	ax (40MHz)	106	54	SDM	MCS11	Pass	Pass
	6885	187	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	7005	211	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	7005	211	ax (40MHz)	106	54	SDM	MCS11	Pass	Pass
	7005	211	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	7085	227	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	7085	227	ax (40MHz)	106	54	SDM	MCS11	Pass	Pass
	7085	227	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	6945	199	ax (80MHz)	106	53	SDM	MCS11	Pass	Pass
	6945	199	ax (80MHz)	106	56	SDM	MCS11	Pass	Pass
	6945	199	ax (80MHz)	106	60	SDM	MCS11	Pass	Pass
	7025	215	ax (80MHz)	106	53	SDM	MCS11	Pass	Pass
	7025	215	ax (80MHz)	106	56	SDM	MCS11	Pass	Pass
	7025	215	ax (80MHz)	106	60	SDM	MCS11	Pass	Pass
	6985	207(L)	ax (160MHz)	106	53	SDM	MCS11	Pass	Pass
	6985	207(L)	ax (160MHz)	106	60	SDM	MCS11	Pass	Pass
	6985	207(U)	ax (160MHz)	106	60	SDM	MCS11	Pass	Pass

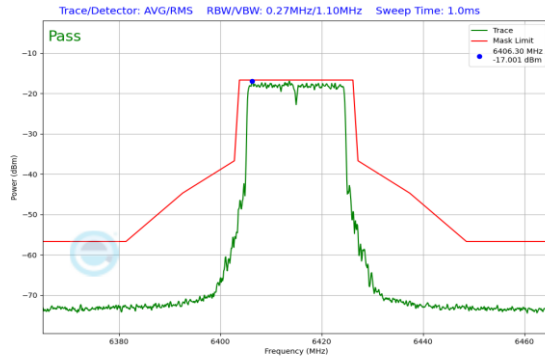
Table 7-33. Power Spectral Density Measurements SDM (Partially-Loaded RU)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 105 of 198

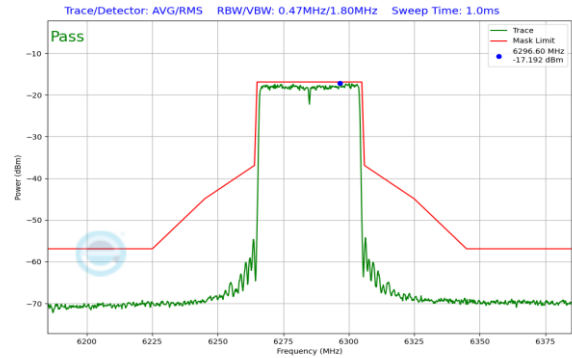
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 In-Band Emission	Antenna 1 In-Band Emission
Band 5	6115	33	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6275	65	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6415	93	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6125	35	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6285	67	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6405	91	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6145	39	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	6305	71	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	6385	87	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	6185	47	ax (160MHz)	996	68	SDM	MCS11	Pass	Pass
Band 6	6345	79	ax (160MHz)	996	68	SDM	MCS11	Pass	Pass
	6435	97	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6475	105	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6515	113	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6445	99	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6485	107	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6525	115	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6465	103	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
Band 7	6505	111	ax (160MHz)	996	68	SDM	MCS11	Pass	Pass
	6535	117	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6695	149	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6875	185	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6565	123	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6725	155	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6845	179	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6625	135	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	6705	151	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	6865	183	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
Band 8	6665	143	ax (160MHz)	996	68	SDM	MCS11	Pass	Pass
	6825	175	ax (160MHz)	996	68	SDM	MCS11	Pass	Pass
	6895	189	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6995	209	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	7095	229	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6885	187	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	7005	211	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	7085	227	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6945	199	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	7025	215	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	6985	207	ax (160MHz)	996	68	SDM	MCS11	Pass	Pass

Table 7-34. Power Spectral Density Measurements SDM (Fully-loaded RU)

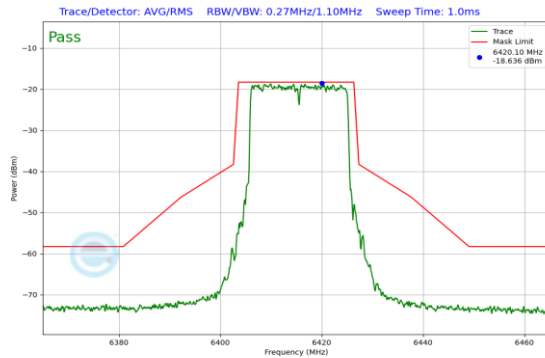
FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 106 of 198



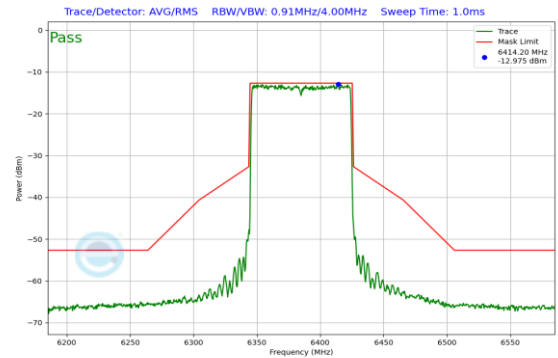
Plot 7-241. GEM Plot Antenna 0 (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 93)



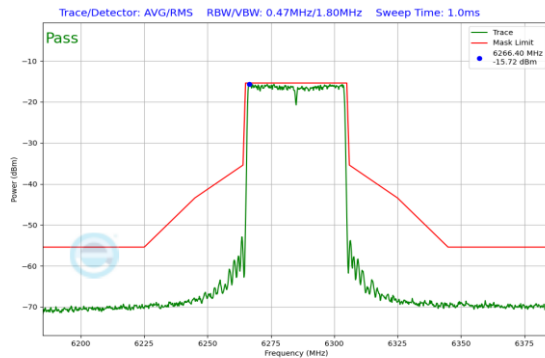
Plot 7-244. GEM Plot Antenna 1 (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 67)



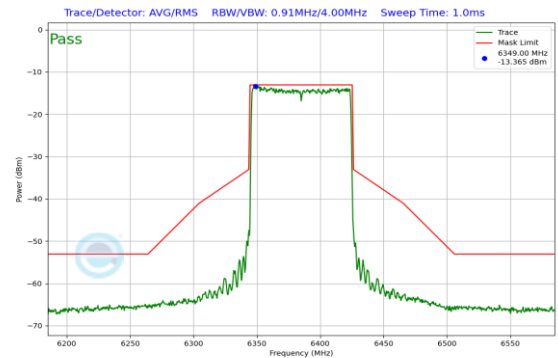
Plot 7-242. GEM Plot Antenna 1 (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 93)



Plot 7-245. GEM Plot Antenna 0 (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 87)

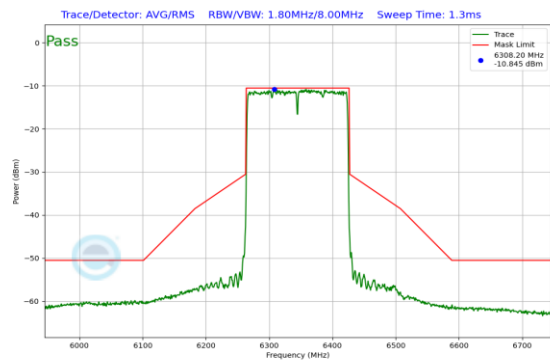


Plot 7-243. GEM Plot Antenna 0 (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 93)

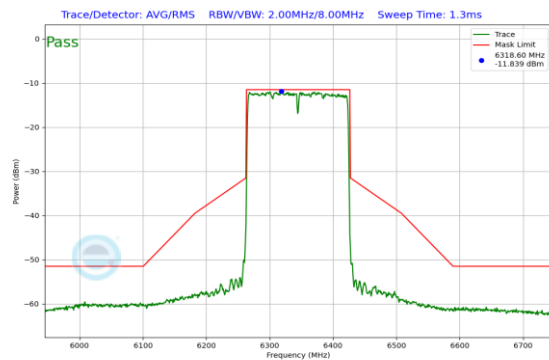


Plot 7-246. GEM Plot Antenna 1 (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 87)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 107 of 198



Plot 7-247. GEM Plot Antenna 0 (160MHz 802.11ax RU996x2 (UNII Band 5) – Ch. 79)



Plot 7-248. GEM Plot Antenna 1 (160MHz 802.11ax RU996x2 (UNII Band 5) – Ch. 79)

FCC ID: BCGA3300 IC: 579C-A3300		Test Dates: 3/24/2025 - 6/20/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2503170028-12-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 108 of 198