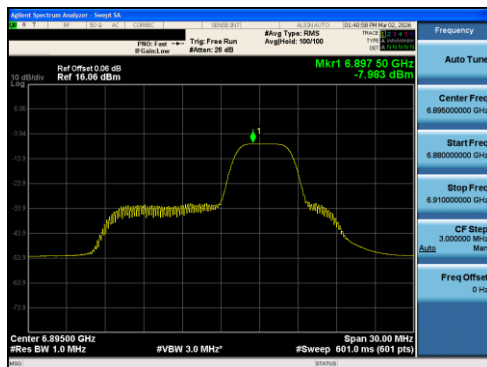
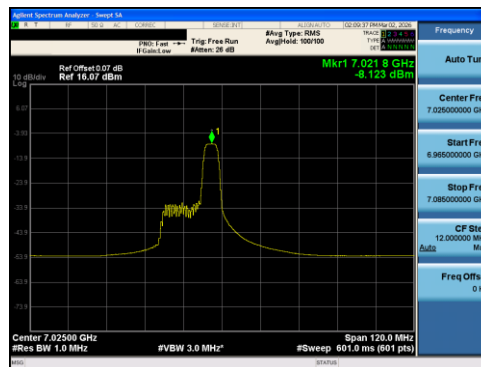
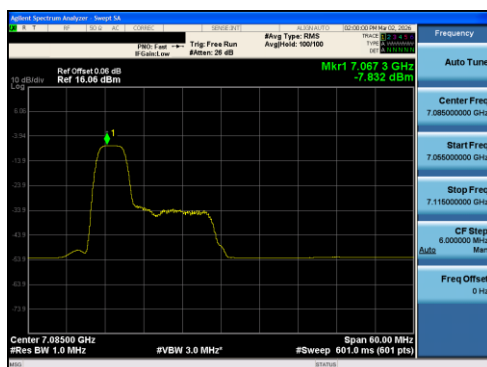




Plot 7-91 PSD Antenna 1 (20MHz BW 802.11ax(RU) RU52 Index39 - Ch.189)

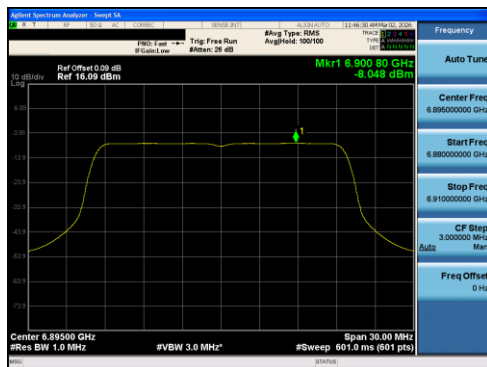


Plot 7-93 PSD Antenna 1 (80MHz BW 802.11ax(RU) RU52 Index44 - Ch.215)

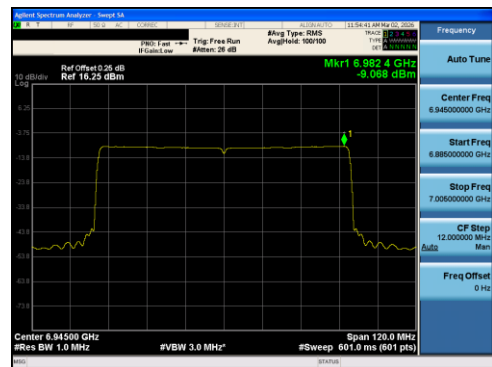


Plot 7-92 PSD Antenna 1 (40MHz BW 802.11ax(RU) RU52 Index37 - Ch.227)

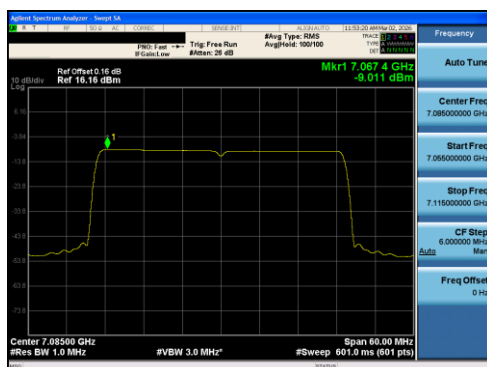
FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 65 of 189



Plot 7-94 PSD Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.189)



Plot 7-96 PSD Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.199)



Plot 7-95 PSD Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.227)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.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 66 of 189

7.4.3 SDM Power Spectral Density Measurements – VLP

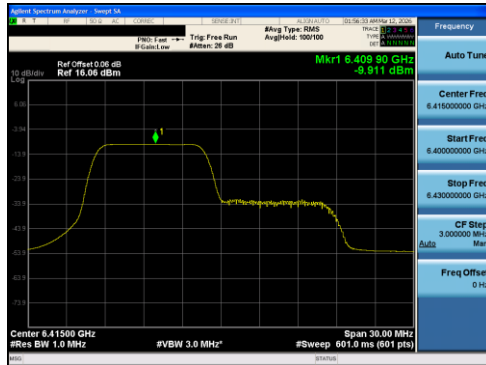
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 Measured Power Density [dBm/MHz]	Antenna 1 Measured Power Density [dBm/MHz]	Summed MIMO Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6115	33	ax (20MHz)	106	53	SDM	MCS11	-11.57	-11.50	-8.53	0.45	-8.08	-5.00	-3.08
	6255	61	ax (20MHz)	106	53	SDM	MCS11	-11.20	-11.37	-8.27	0.45	-7.82	-5.00	-2.82
	6415	93	ax (20MHz)	106	53	SDM	MCS11	-9.91	-10.16	-7.02	-0.17	-7.19	-5.00	-2.19
	6125	35	ax (40MHz)	106	53	SDM	MCS11	-11.10	-10.90	-7.99	0.45	-7.54	-5.00	-2.54
	6245	59	ax (40MHz)	106	53	SDM	MCS11	-10.66	-10.78	-7.71	0.45	-7.26	-5.00	-2.26
	6405	91	ax (40MHz)	106	56	SDM	MCS11	-9.90	-10.15	-7.01	-0.17	-7.18	-5.00	-2.18
	6145	39	ax (80MHz)	106	53	SDM	MCS11	-11.19	-10.82	-7.99	0.45	-7.54	-5.00	-2.54
	6225	55	ax (80MHz)	106	60	SDM	MCS11	-11.13	-11.02	-8.06	0.45	-7.61	-5.00	-2.61
Band 6	6385	87	ax (80MHz)	106	60	SDM	MCS11	-9.93	-10.74	-7.31	-0.17	-7.48	-5.00	-2.48
	6435	97	ax (20MHz)	106	53	SDM	MCS11	-11.05	-11.07	-8.05	0.02	-8.02	-5.00	-3.02
	6475	105	ax (20MHz)	106	54	SDM	MCS11	-10.98	-11.06	-8.01	0.02	-7.98	-5.00	-2.98
	6515	113	ax (20MHz)	106	53	SDM	MCS11	-10.94	-10.91	-7.91	0.02	-7.89	-5.00	-2.89
	6445	99	ax (40MHz)	106	53	SDM	MCS11	-11.01	-11.09	-8.04	0.02	-8.01	-5.00	-3.01
	6485	107	ax (40MHz)	106	56	SDM	MCS11	-10.87	-10.77	-7.81	0.02	-7.78	-5.00	-2.78
	6525	115	ax (40MHz)	106	56	SDM	MCS11	-11.88	-11.93	-8.90	0.02	-8.87	-5.00	-3.87
	6465	103	ax (80MHz)	106	53	SDM	MCS11	-10.77	-10.82	-7.78	0.02	-7.76	-5.00	-2.76
Band 7	6535	117	ax (20MHz)	106	54	SDM	MCS11	-11.91	-11.98	-8.93	0.53	-8.40	-5.00	-3.40
	6695	149	ax (20MHz)	106	53	SDM	MCS11	-11.16	-11.37	-8.25	0.53	-7.72	-5.00	-2.72
	6875	185	ax (20MHz)	106	53	SDM	MCS11	-11.17	-11.43	-8.29	0.53	-7.76	-5.00	-2.76
	6565	123	ax (40MHz)	106	54	SDM	MCS11	-11.09	-11.44	-8.25	0.53	-7.72	-5.00	-2.72
	6725	155	ax (40MHz)	106	53	SDM	MCS11	-10.86	-11.34	-8.08	0.53	-7.55	-5.00	-2.55
	6845	179	ax (40MHz)	106	53	SDM	MCS11	-11.47	-11.95	-8.69	0.53	-8.16	-5.00	-3.16
	6545	119	ax (80MHz)	106	56	SDM	MCS11	-11.51	-11.90	-8.69	0.53	-8.16	-5.00	-3.16
	6705	151	ax (80MHz)	106	56	SDM	MCS11	-10.97	-11.54	-8.24	0.53	-7.71	-5.00	-2.71
Band 8	6865	183	ax (80MHz)	106	53	SDM	MCS11	-11.20	-11.71	-8.43	0.53	-7.90	-5.00	-2.90
	6895	189	ax (20MHz)	106	54	SDM	MCS11	-10.30	-10.48	-7.38	-0.23	-7.61	-5.00	-2.61
	6995	209	ax (20MHz)	106	53	SDM	MCS11	-10.51	-10.64	-7.57	-0.23	-7.80	-5.00	-2.80
	7095	229	ax (20MHz)	106	53	SDM	MCS11	-10.03	-10.64	-7.31	-0.23	-7.54	-5.00	-2.54
	6885	187	ax (40MHz)	106	54	SDM	MCS11	-11.42	-11.55	-8.48	-0.23	-8.70	-5.00	-3.70
	7005	211	ax (40MHz)	106	56	SDM	MCS11	-9.95	-10.23	-7.08	-0.23	-7.30	-5.00	-2.30
	7085	227	ax (40MHz)	106	53	SDM	MCS11	-9.94	-10.45	-7.17	-0.23	-7.40	-5.00	-2.40
	6945	199	ax (80MHz)	106	53	SDM	MCS11	-10.65	-11.08	-7.85	-0.23	-8.08	-5.00	-3.08
	7025	215	ax (80MHz)	106	56	SDM	MCS11	-10.51	-10.62	-7.55	-0.23	-7.78	-5.00	-2.78

Table 7-24. Power Spectral Density Measurements SDM (RU106)

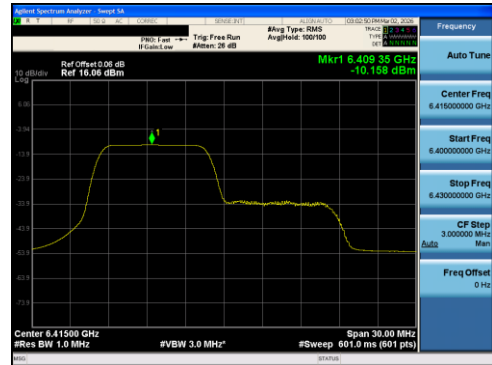
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 Measured Power Density [dBm/MHz]	Antenna 1 Measured Power Density [dBm/MHz]	Summed MIMO Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6115	33	ax (20MHz)	242	61	SDM	MCS11	-11.92	-11.99	-8.94	0.45	-8.49	-5.00	-3.49
	6255	61	ax (20MHz)	242	61	SDM	MCS11	-11.69	-12.01	-8.83	0.45	-8.39	-5.00	-3.39
	6415	93	ax (20MHz)	242	61	SDM	MCS11	-11.58	-11.77	-8.67	-0.17	-8.84	-5.00	-3.84
	6125	35	ax (40MHz)	484	65	SDM	MCS11	-12.78	-13.27	-10.01	0.45	-9.56	-5.00	-4.56
	6245	59	ax (40MHz)	484	65	SDM	MCS11	-12.78	-12.81	-9.79	0.45	-9.34	-5.00	-4.34
	6405	91	ax (40MHz)	484	65	SDM	MCS11	-12.17	-12.15	-9.15	-0.17	-9.32	-5.00	-4.32
	6145	39	ax (80MHz)	996	67	SDM	MCS11	-13.33	-12.92	-10.11	0.45	-9.66	-5.00	-4.66
	6225	55	ax (80MHz)	996	67	SDM	MCS11	-12.24	-12.41	-9.31	0.45	-8.86	-5.00	-3.86
Band 6	6385	87	ax (80MHz)	996	67	SDM	MCS11	-11.27	-11.82	-8.53	-0.17	-8.70	-5.00	-3.70
	6435	97	ax (20MHz)	242	61	SDM	MCS11	-11.66	-11.29	-8.46	0.02	-8.43	-5.00	-3.43
	6475	105	ax (20MHz)	242	61	SDM	MCS11	-12.13	-12.11	-9.11	0.02	-9.08	-5.00	-4.08
	6515	113	ax (20MHz)	242	61	SDM	MCS11	-12.24	-12.07	-9.14	0.02	-9.12	-5.00	-4.12
	6445	99	ax (40MHz)	484	65	SDM	MCS11	-12.60	-12.72	-9.65	0.02	-9.62	-5.00	-4.62
	6485	107	ax (40MHz)	484	65	SDM	MCS11	-12.44	-12.38	-9.40	0.02	-9.37	-5.00	-4.37
	6525	115	ax (40MHz)	484	65	SDM	MCS11	-12.80	-13.30	-10.03	0.02	-10.01	-5.00	-5.01
	6465	103	ax (80MHz)	996	67	SDM	MCS11	-12.30	-12.50	-9.39	0.02	-9.36	-5.00	-4.36
Band 7	6535	117	ax (20MHz)	242	61	SDM	MCS11	-12.64	-12.49	-9.55	0.53	-9.02	-5.00	-4.02
	6695	149	ax (20MHz)	242	61	SDM	MCS11	-11.90	-11.89	-8.88	0.53	-8.35	-5.00	-3.35
	6875	185	ax (20MHz)	242	61	SDM	MCS11	-11.70	-11.43	-8.55	0.53	-8.02	-5.00	-3.02
	6565	123	ax (40MHz)	484	65	SDM	MCS11	-12.61	-13.01	-9.79	0.53	-9.26	-5.00	-4.26
	6725	155	ax (40MHz)	484	65	SDM	MCS11	-12.38	-12.96	-9.65	0.53	-9.12	-5.00	-4.12
	6845	179	ax (40MHz)	484	65	SDM	MCS11	-13.34	-12.93	-10.12	0.53	-9.59	-5.00	-4.59
	6545	119	ax (80MHz)	996	67	SDM	MCS11	-12.57	-13.03	-9.78	0.53	-9.25	-5.00	-4.25
	6705	151	ax (80MHz)	996	67	SDM	MCS11	-12.70	-12.89	-9.78	0.53	-9.25	-5.00	-4.25
Band 8	6865	183	ax (80MHz)	996	67	SDM	MCS11	-13.24	-13.07	-10.15	0.53	-9.62	-5.00	-4.62
	6895	189	ax (20MHz)	242	61	SDM	MCS11	-11.34	-11.01	-8.16	-0.23	-8.39	-5.00	-3.39
	6995	209	ax (20MHz)	242	61	SDM	MCS11	-11.43	-11.33	-8.37	-0.23	-8.60	-5.00	-3.60
	7095	229	ax (20MHz)	242	61	SDM	MCS11	-10.70	-10.99	-7.83	-0.23	-8.06	-5.00	-3.06
	6885	187	ax (40MHz)	484	65	SDM	MCS11	-13.06	-12.81	-9.92	-0.23	-10.15	-5.00	-5.15
	7005	211	ax (40MHz)	484	65	SDM	MCS11	-12.45	-12.36	-9.39	-0.23	-9.62	-5.00	-4.62
	7085	227	ax (40MHz)	484	65	SDM	MCS11	-12.14	-12.20	-9.16	-0.23	-9.39	-5.00	-4.39
	6945	199	ax (80MHz)	996	67	SDM	MCS11	-11.79	-11.89	-8.83	-0.23	-9.06	-5.00	-4.06
	7025	215	ax (80MHz)	996	67	SDM	MCS11	-11.89	-12.12	-8.99	-0.23	-9.22	-5.00	-4.22

Table 7-25. Power Spectral Density Measurements SDM (Fully – Loaded RU)

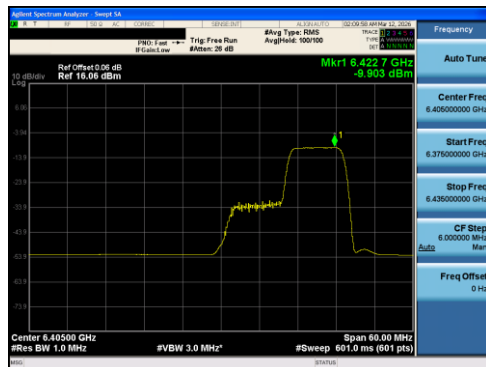
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 67 of 189



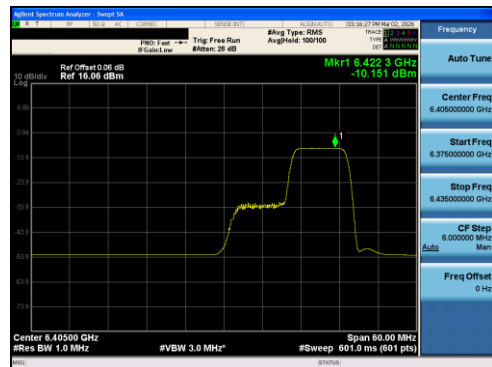
Plot 7-97 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU106 Index53 - Ch.93)



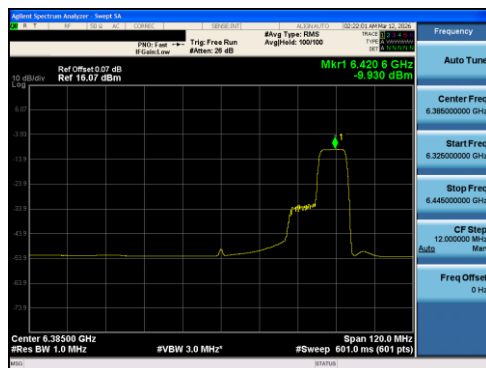
Plot 7-100 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU106 Index53 - Ch.93)



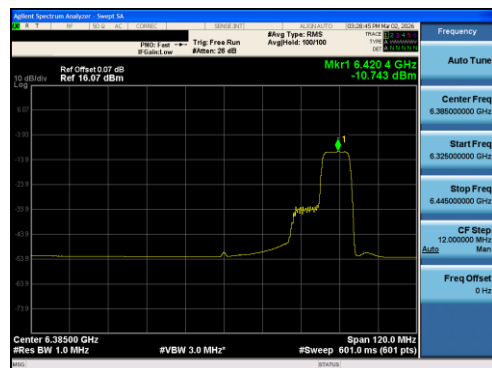
Plot 7-98 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU106 Index56 - Ch.91)



Plot 7-101 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU106 Index56 - Ch.91)

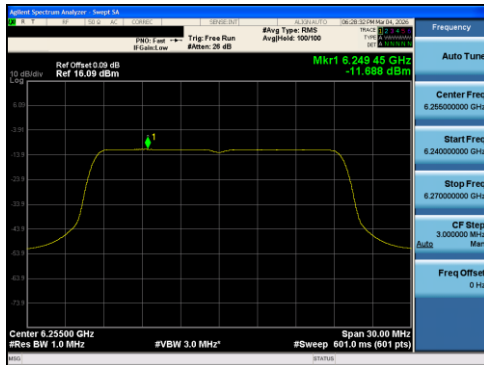


Plot 7-99 PSD SDM Antenna 0 (80MHz BW 802.11ax(RU) RU106 Index60 - Ch.87)

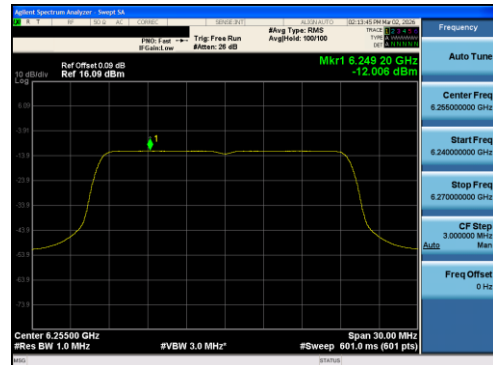


Plot 7-102 PSD SDM Antenna 1 (80MHz BW 802.11ax(RU) RU106 Index60 - Ch.87)

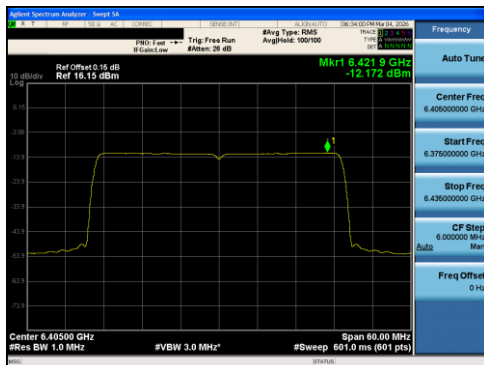
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 68 of 189



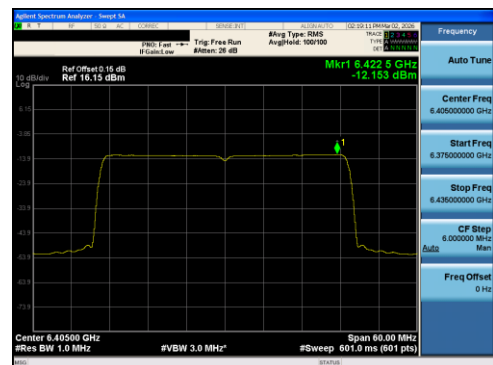
Plot 7-103 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.61)



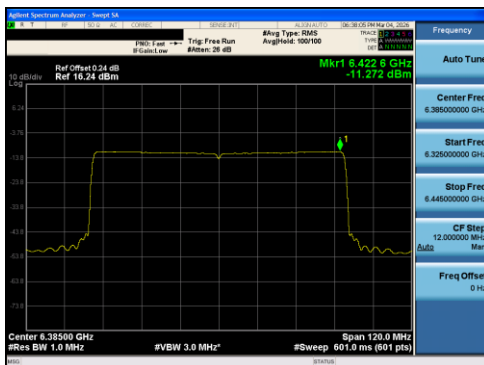
Plot 7-106 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.61)



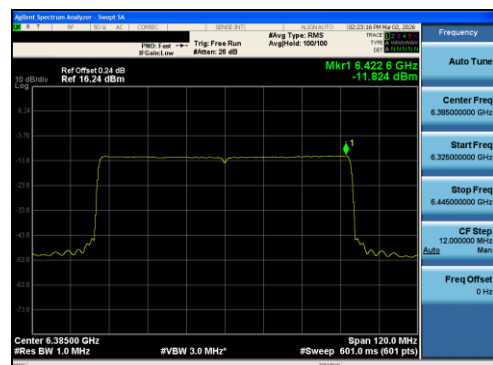
Plot 7-104 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.91)



Plot 7-107 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.91)

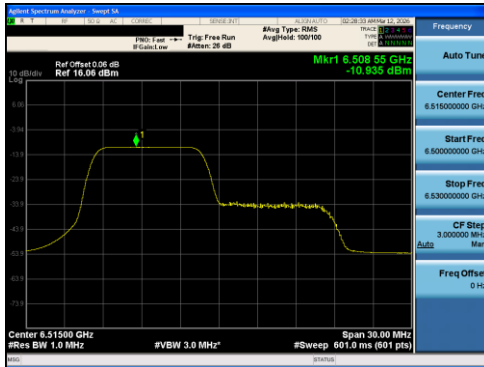


Plot 7-105 PSD SDM Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.87)

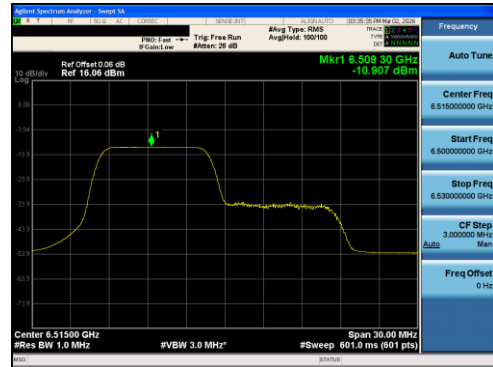


Plot 7-108 PSD SDM Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.87)

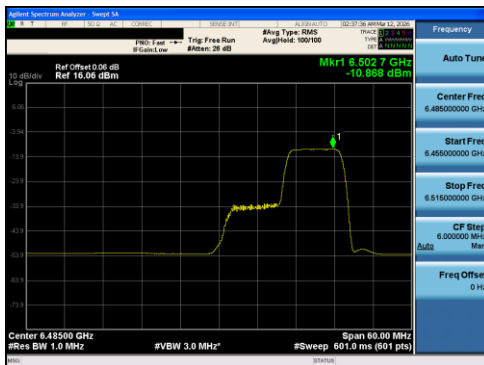
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 69 of 189



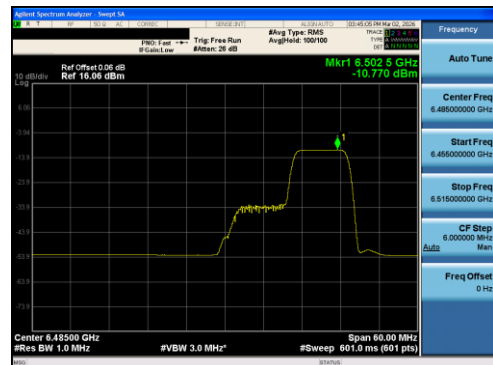
Plot 7-109 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU106 Index53 - Ch.113)



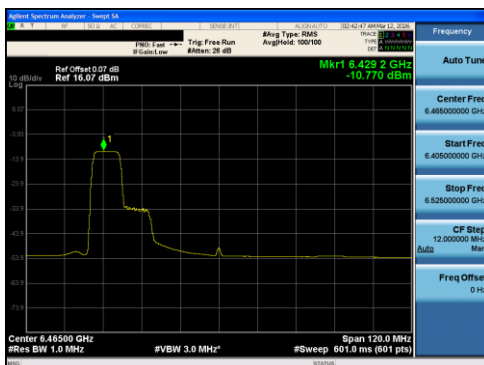
Plot 7-112 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU106 Index53 - Ch.113)



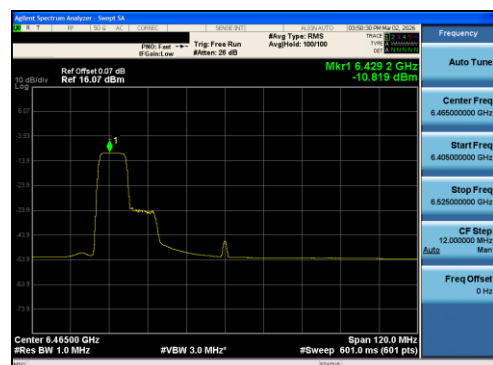
Plot 7-110 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU106 Index56 - Ch.107)



Plot 7-113 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU106 Index56 - Ch.107)

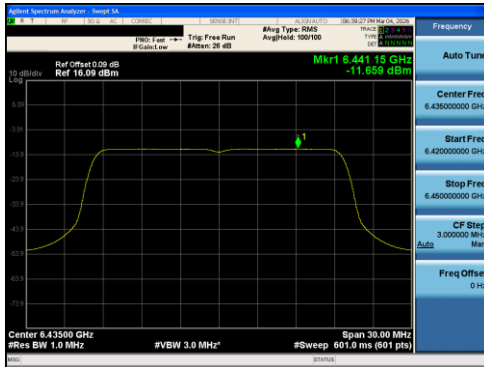


Plot 7-111 PSD SDM Antenna 0 (80Mhz BW 802.11ax(RU) RU106 Index53 - Ch.103)

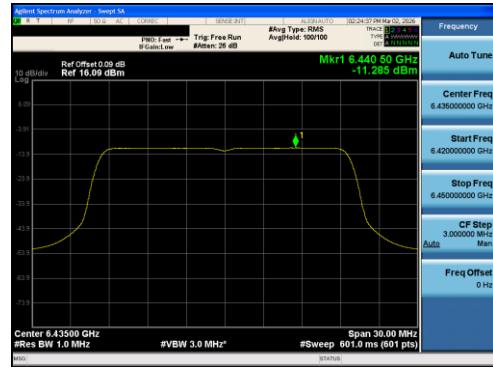


Plot 7-114 PSD SDM Antenna 1 (80Mhz BW 802.11ax(RU) RU106 Index53 - Ch.103)

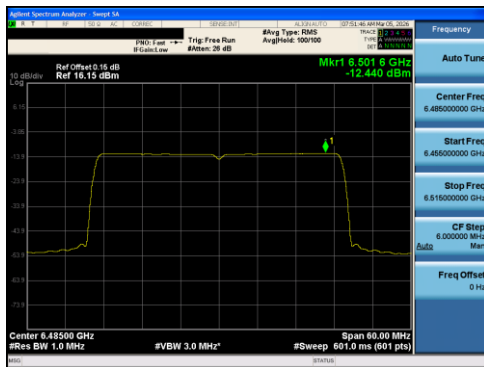
FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 70 of 189



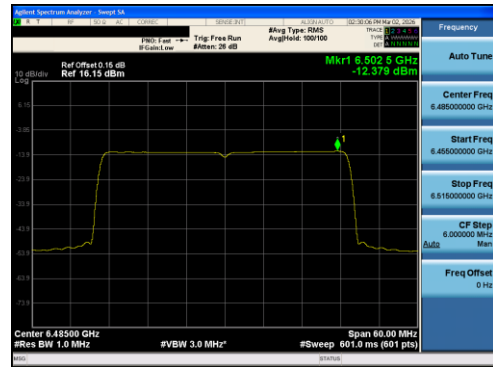
Plot 7-115 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.97)



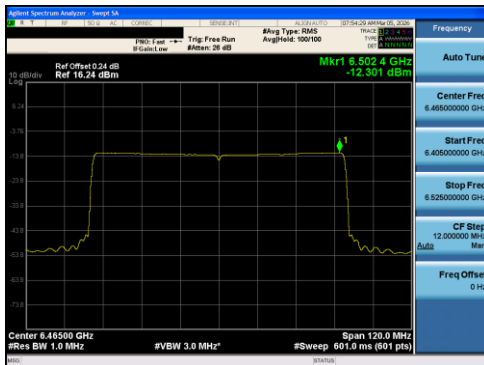
Plot 7-118 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.97)



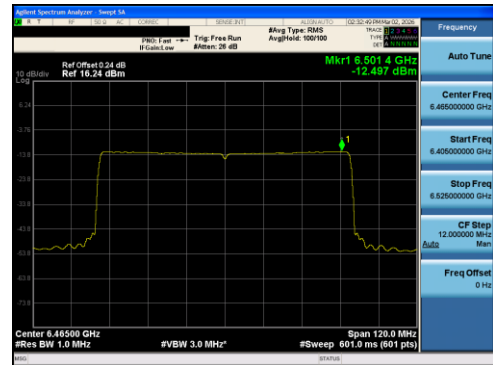
Plot 7-116 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.107)



Plot 7-119 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.107)

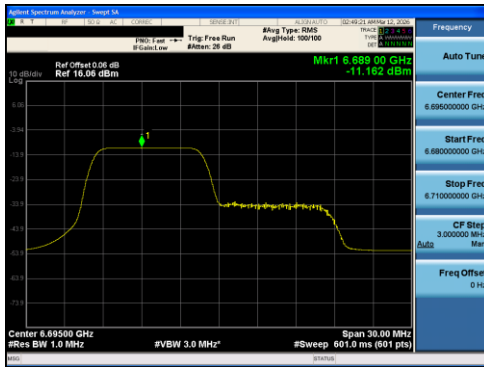


Plot 7-117 PSD SDM Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.103)

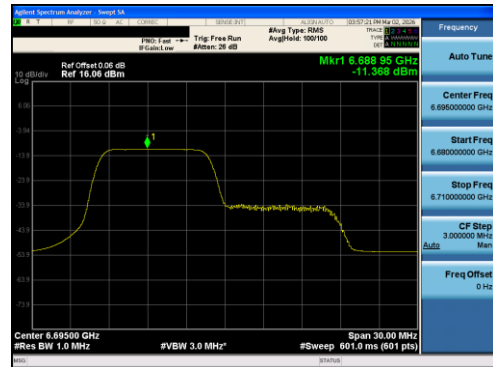


Plot 7-120 PSD SDM Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.103)

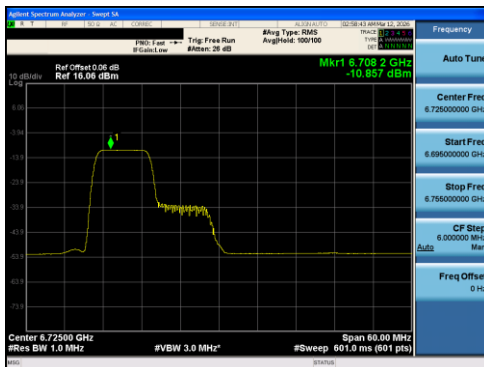
FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 71 of 189



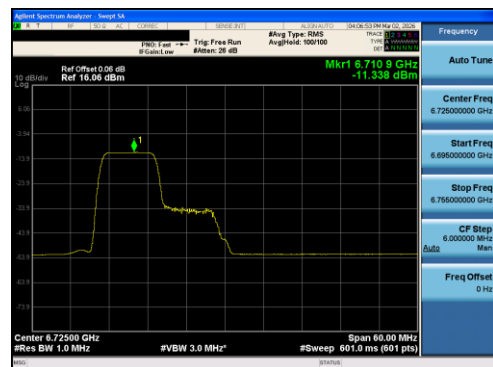
Plot 7-121 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU106 Index53 - Ch.149)



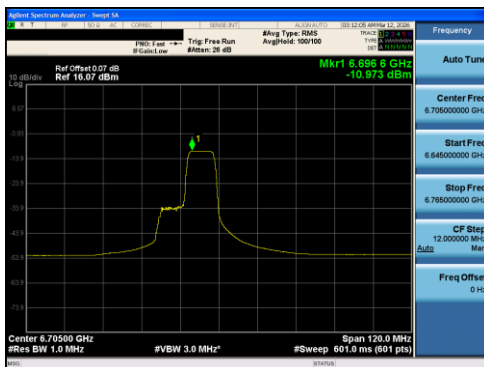
Plot 7-124 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU106 Index53 - Ch.149)



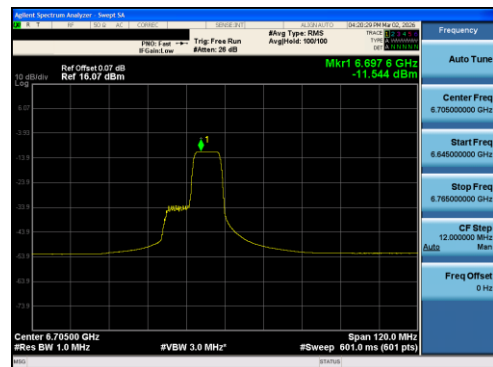
Plot 7-122 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU106 Index53 - Ch.155)



Plot 7-125 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU106 Index53 - Ch.155)

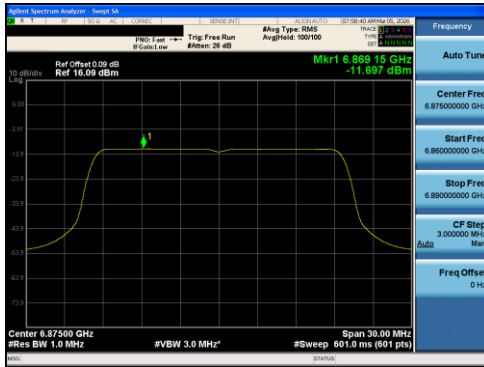


Plot 7-123 PSD SDM Antenna 0 (80MHz BW 802.11ax(RU) RU106 Index56 - Ch.151)

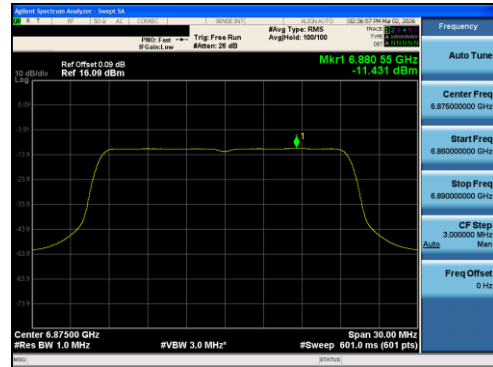


Plot 7-126 PSD SDM Antenna 1 (80MHz BW 802.11ax(RU) RU106 Index56 - Ch.151)

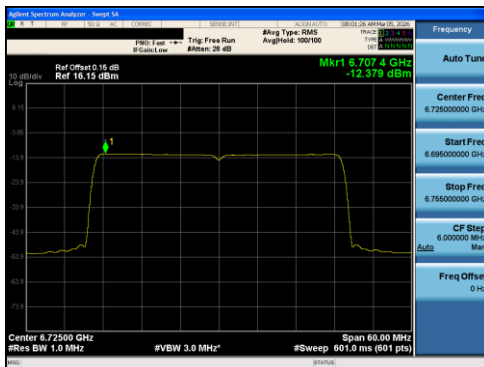
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 72 of 189



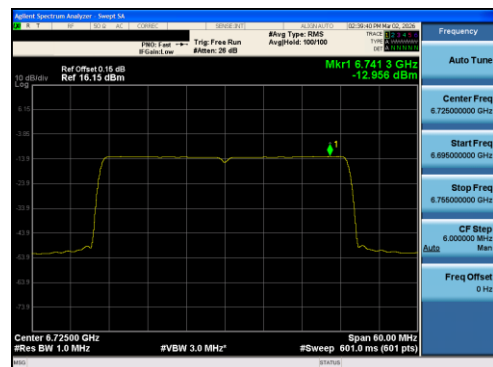
Plot 7-127 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.185)



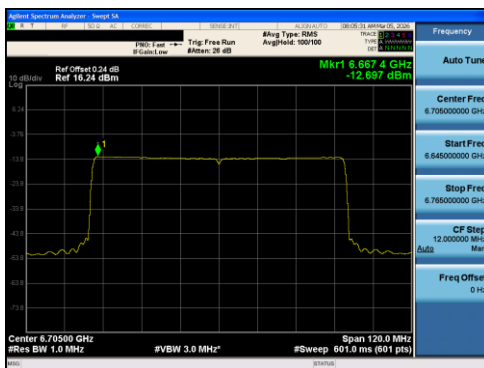
Plot 7-130 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.185)



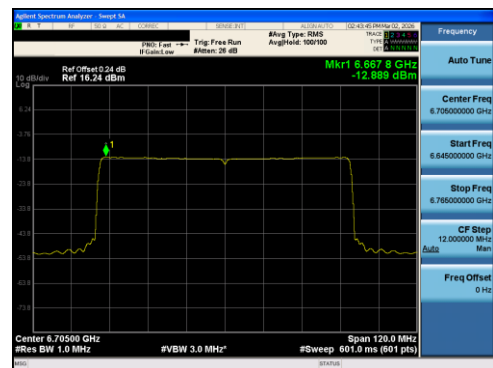
Plot 7-128 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.155)



Plot 7-131 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.155)

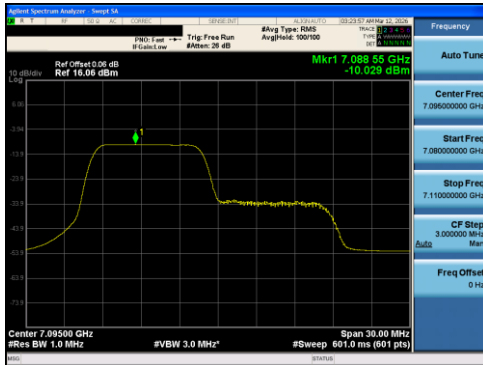


Plot 7-129 PSD SDM Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.151)

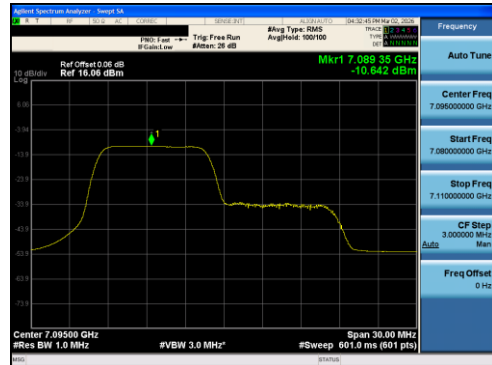


Plot 7-132 PSD SDM Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.151)

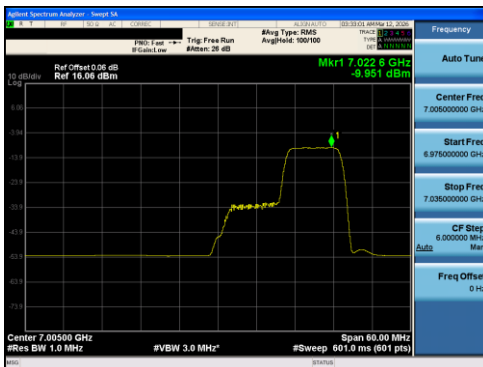
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 73 of 189



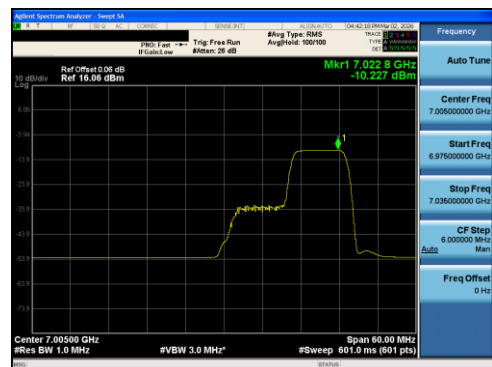
Plot 7-133 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU106 Index53 - Ch.229)



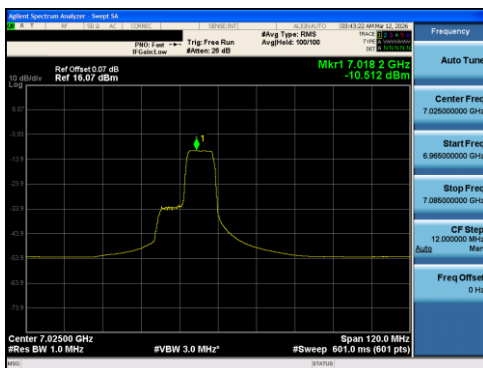
Plot 7-136 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU106 Index53 - Ch.229)



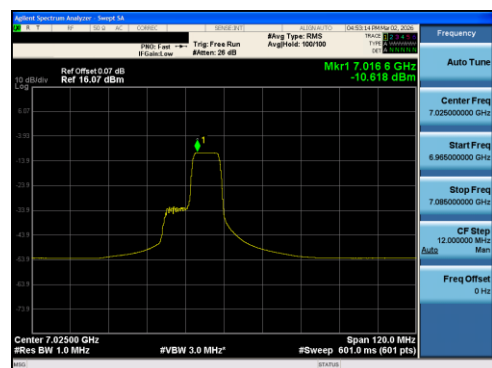
Plot 7-134 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU106 Index56 - Ch.211)



Plot 7-137 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU106 Index56 - Ch.211)

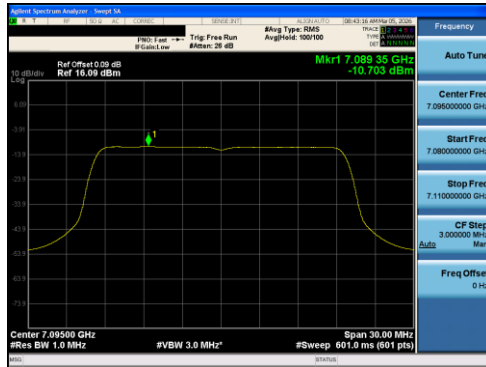


Plot 7-135 PSD SDM Antenna 0 (80MHz BW 802.11ax(RU) RU106 Index56 - Ch.215)

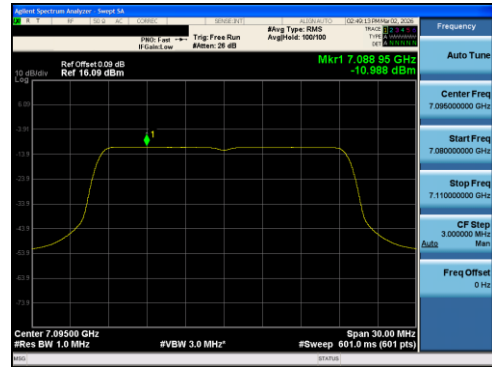


Plot 7-138 PSD SDM Antenna 1 (80MHz BW 802.11ax(RU) RU106 Index56 - Ch.215)

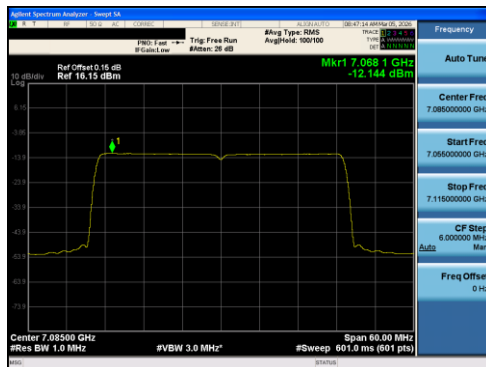
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 74 of 189



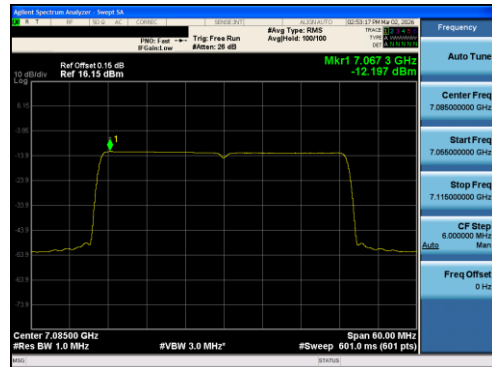
Plot 7-139 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.229)



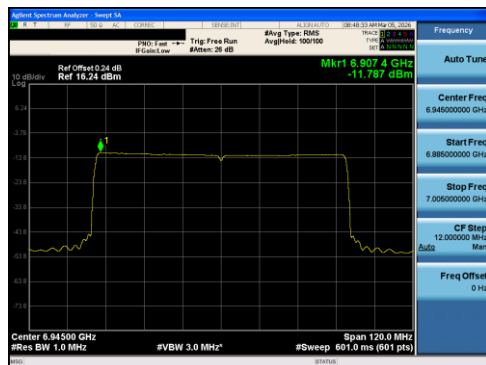
Plot 7-142 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.229)



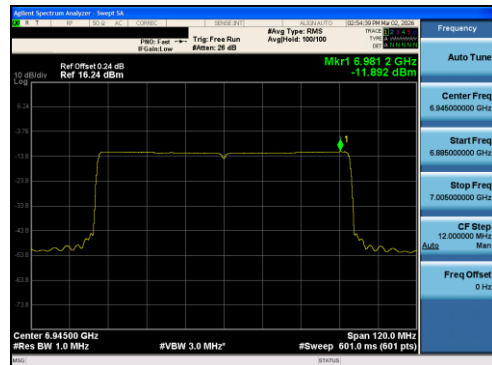
Plot 7-140 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.227)



Plot 7-143 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.227)



Plot 7-141 PSD SDM Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.199)



Plot 7-144 PSD SDM Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.199)

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Note:

Per ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 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 0.83 dBi for Antenna 0 and 0.03 dBi for Antenna 1.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{0.83/20} + 10^{0.03/20} / 2] \text{ dBi} \\ &= 3.45 \text{ dBi}\end{aligned}$$

For uncorrelated signals, assuming the antenna gain is 0.83 dBi for Antenna 0 and 0.03 dBi for Antenna 1.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{0.83/10} + 10^{0.03/10} / 2] \text{ dBi} \\ &= 0.45 \text{ dBi}\end{aligned}$$

Sample SDM Calculation:

At 6115MHz in 802.11ax (20MHz BW) mode, the average conducted power spectral density was measured to be -11.57 dBm for Antenna 0 and -11.50 dBm for Antenna 1.

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

$$(-11.57 \text{ dBm} + -11.50 \text{ dBm}) = (0.0697 \text{ mW} + 0.0707 \text{ mW}) = 0.1404 \text{ mW} = -8.53 \text{ dBm}$$

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

At 6115MHz in 802.11be (20MHz BW) mode, the average SDM power density was calculated to be -8.53 dBm with directional gain of 0.45 dBi.

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

$$-8.53 \text{ dBm} + 0.45 \text{ dBi} = -8.08 \text{ dBm}$$

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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. 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 solely in 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. 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. 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. 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.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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Test Setup

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



Figure 7-4. 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: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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7.5.1 Antenna 0 In-Band Emissions Measurements – VLP

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	In-Band Emission
Band 5	6115	33	ax (20MHz)	52	37	MCS11	Pass
	6255	61	ax (20MHz)	52	37	MCS11	Pass
	6415	93	ax (20MHz)	52	37	MCS11	Pass
	6125	35	ax (40MHz)	52	44	MCS11	Pass
	6245	59	ax (40MHz)	52	44	MCS11	Pass
	6405	91	ax (40MHz)	52	44	MCS11	Pass
	6145	39	ax (80MHz)	52	52	MCS11	Pass
	6225	55	ax (80MHz)	52	52	MCS11	Pass
	6385	87	ax (80MHz)	52	44	MCS11	Pass
Band 6	6435	97	ax (20MHz)	52	40	MCS11	Pass
	6475	105	ax (20MHz)	52	40	MCS11	Pass
	6515	113	ax (20MHz)	52	37	MCS11	Pass
	6445	99	ax (40MHz)	52	37	MCS11	Pass
	6485	107	ax (40MHz)	52	40	MCS11	Pass
	6525	115	ax (40MHz)	52	44	MCS11	Pass
	6465	103	ax (80MHz)	52	37	MCS11	Pass
Band 7	6535	117	ax (20MHz)	52	37	MCS11	Pass
	6695	149	ax (20MHz)	52	40	MCS11	Pass
	6875	185	ax (20MHz)	52	37	MCS11	Pass
	6565	123	ax (40MHz)	52	40	MCS11	Pass
	6725	155	ax (40MHz)	52	44	MCS11	Pass
	6845	179	ax (40MHz)	52	37	MCS11	Pass
	6545	119	ax (80MHz)	52	52	MCS11	Pass
	6705	151	ax (80MHz)	52	44	MCS11	Pass
	6865	183	ax (80MHz)	52	37	MCS11	Pass
Band 8	6895	189	ax (20MHz)	52	37	MCS11	Pass
	6995	209	ax (20MHz)	52	37	MCS11	Pass
	7095	229	ax (20MHz)	52	37	MCS11	Pass
	6885	187	ax (40MHz)	52	37	MCS11	Pass
	7005	211	ax (40MHz)	52	40	MCS11	Pass
	7085	227	ax (40MHz)	52	37	MCS11	Pass
	6945	199	ax (80MHz)	52	37	MCS11	Pass
	7025	215	ax (80MHz)	52	44	MCS11	Pass

Table 7-26. In-Band Emission Measurements Antenna 0 (RU52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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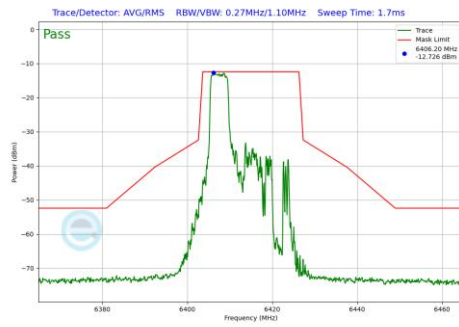
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	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	In-Band Emission
Band 5	6115	33	ax (20MHz)	242	61	MCS11	Pass
	6255	61	ax (20MHz)	242	61	MCS11	Pass
	6415	93	ax (20MHz)	242	61	MCS11	Pass
	6125	35	ax (40MHz)	484	65	MCS11	Pass
	6245	59	ax (40MHz)	484	65	MCS11	Pass
	6405	91	ax (40MHz)	484	65	MCS11	Pass
	6145	39	ax (80MHz)	996	67	MCS11	Pass
	6225	55	ax (80MHz)	996	67	MCS11	Pass
Band 6	6385	87	ax (80MHz)	996	67	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
Band 7	6465	103	ax (80MHz)	996	67	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
Band 8	6865	183	ax (80MHz)	996	67	MCS11	Pass
	6895	189	ax (20MHz)	242	61	MCS11	Pass
	6995	209	ax (20MHz)	242	61	MCS11	Pass
	7115	233	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

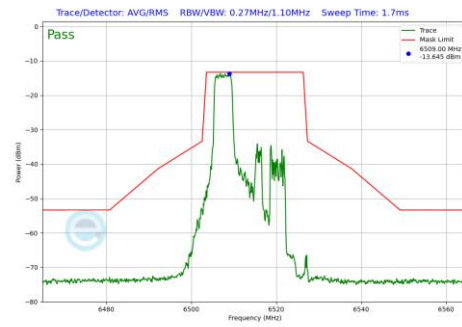
Table 7-27. In-Band Emission Measurements Antenna 0 (Fully – Loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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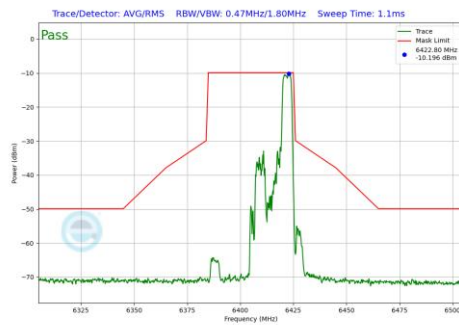
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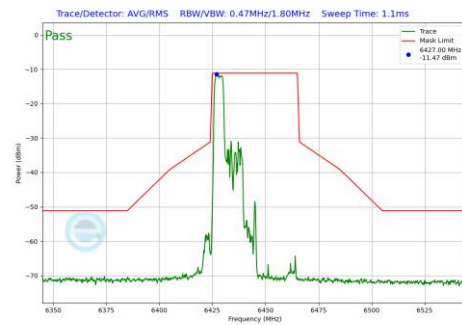
Plot 7-145 In-Band Emission Plot Antenna 0 (20MHz BW 802.11ax(RU) RU52 Index37 (UNII Band 5) - Ch.93)



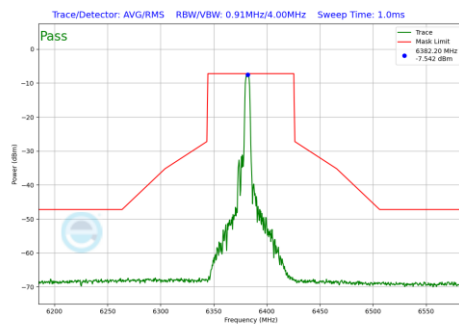
Plot 7-148 In-Band Emission Plot Antenna 0 (20MHz BW 802.11ax(RU) RU52 Index37 (UNII Band 6) - Ch.113)



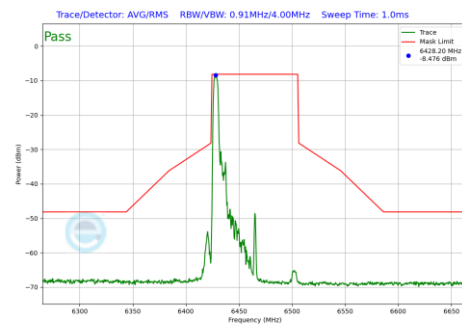
Plot 7-146 In-Band Emission Plot Antenna 0 (40MHz BW 802.11ax(RU) RU52 Index44 (UNII Band 5) - Ch.91)



Plot 7-149 In-Band Emission Plot Antenna 0 (40MHz BW 802.11ax(RU) RU52 Index37 (UNII Band 6) - Ch.99)

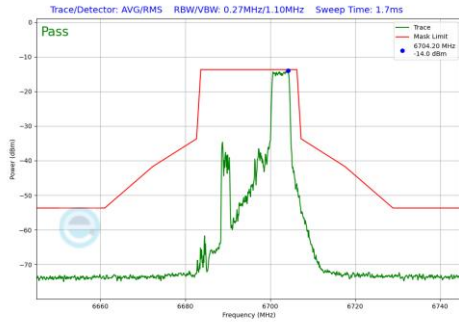


Plot 7-147 In-Band Emission Plot Antenna 0 (80MHz BW 802.11ax(RU) RU52 Index44 (UNII Band 5) - Ch.87)

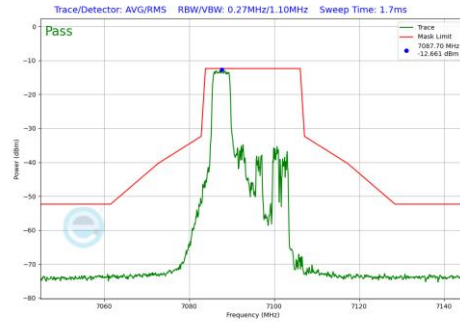


Plot 7-150 In-Band Emission Plot Antenna 0 (80MHz BW 802.11ax(RU) RU52 Index37 (UNII Band 6) - Ch.103)

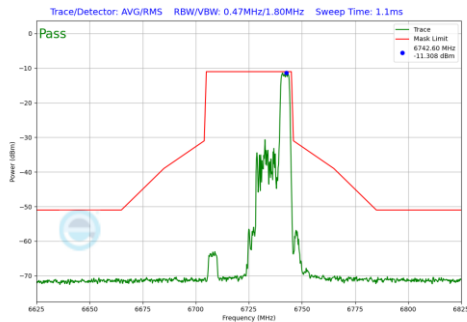
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 81 of 189



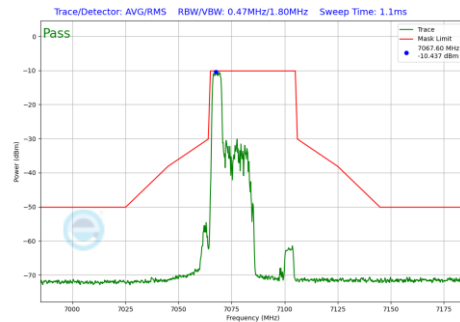
Plot 7-151 In-Band Emission Plot Antenna 0 (20MHz BW 802.11ax(RU) RU52 Index40 (UNII Band 7) - Ch.149)



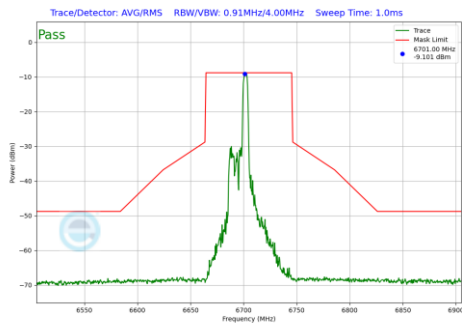
Plot 7-154 In-Band Emission Plot Antenna 0 (20MHz BW 802.11ax(RU) RU52 Index37 (UNII Band 8) - Ch.229)



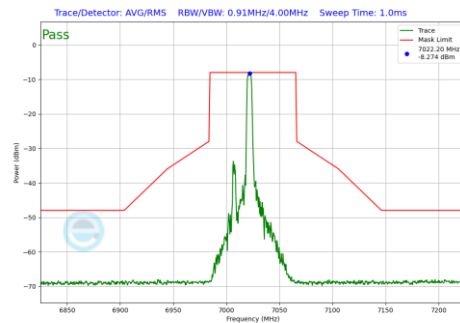
Plot 7-152 In-Band Emission Plot Antenna 0 (40MHz BW 802.11ax(RU) RU52 Index44 (UNII Band 7) - Ch.155)



Plot 7-155 In-Band Emission Plot Antenna 0 (40MHz BW 802.11ax(RU) RU52 Index37 (UNII Band 8) - Ch.227)

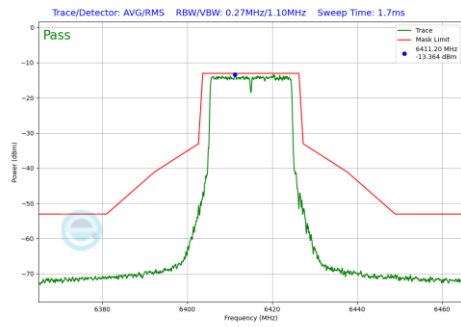


Plot 7-153 In-Band Emission Plot Antenna 0 (80MHz BW 802.11ax(RU) RU52 Index44 (UNII Band 7) - Ch.151)

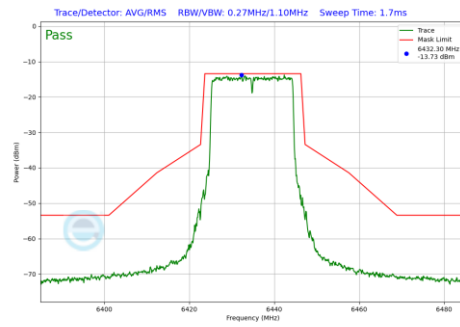


Plot 7-156 In-Band Emission Plot Antenna 0 (80MHz BW 802.11ax(RU) RU52 Index44 (UNII Band 8) - Ch.215)

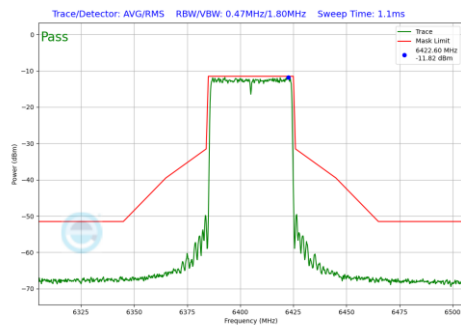
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 82 of 189



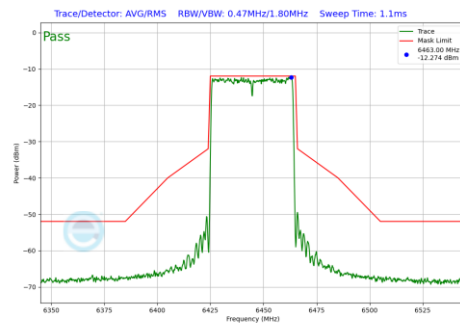
Plot 7-157 In-Band Emission Plot Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 5) - Ch.93)



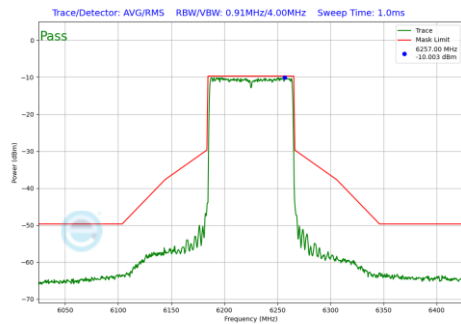
Plot 7-160 In-Band Emission Plot Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 6) - Ch.97)



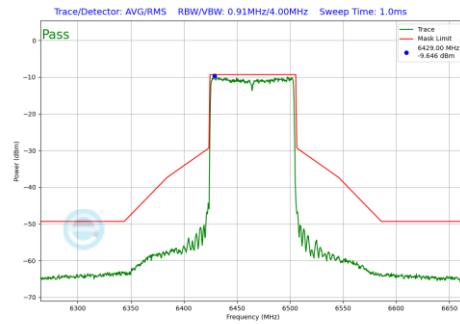
Plot 7-158 In-Band Emission Plot Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 5) - Ch.91)



Plot 7-161 In-Band Emission Plot Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 6) - Ch.99)

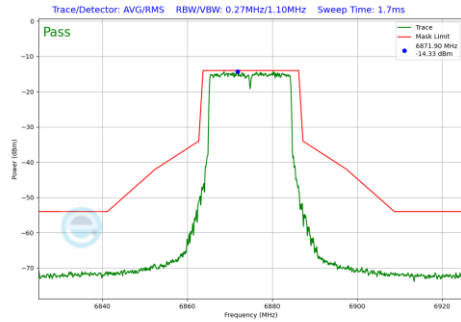


Plot 7-159 In-Band Emission Plot Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 5) - Ch.55)

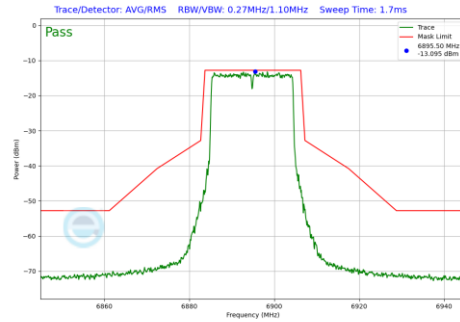


Plot 7-162 In-Band Emission Plot Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 6) - Ch.103)

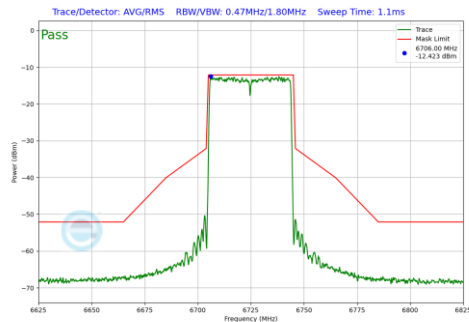
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 83 of 189



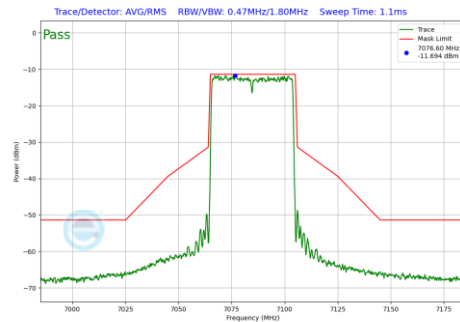
Plot 7-163 In-Band Emission Plot Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 7) - Ch.185)



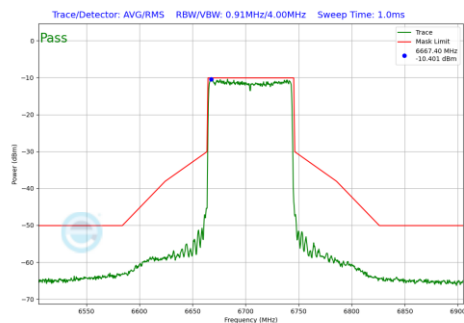
Plot 7-166 In-Band Emission Plot Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 8) - Ch.189)



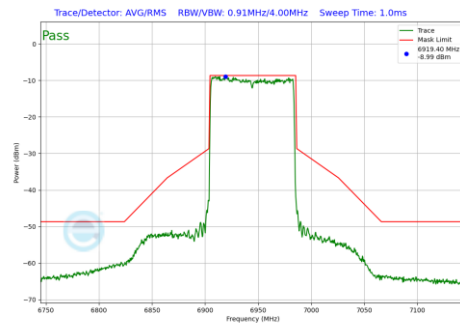
Plot 7-164 In-Band Emission Plot Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 7) - Ch.155)



Plot 7-167 In-Band Emission Plot Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 8) - Ch.227)



Plot 7-165 In-Band Emission Plot Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 7) - Ch.151)



Plot 7-168 In-Band Emission Plot Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 8) - Ch.199)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.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 84 of 189

7.5.2 Antenna 1 In-Band Emissions Measurements – VLP

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	In-Band Emission
Band 5	6115	33	ax (20MHz)	52	37	MCS11	Pass
	6255	61	ax (20MHz)	52	40	MCS11	Pass
	6415	93	ax (20MHz)	52	39	MCS11	Pass
	6125	35	ax (40MHz)	52	44	MCS11	Pass
	6245	59	ax (40MHz)	52	44	MCS11	Pass
	6405	91	ax (40MHz)	52	44	MCS11	Pass
	6145	39	ax (80MHz)	52	52	MCS11	Pass
	6225	55	ax (80MHz)	52	52	MCS11	Pass
Band 6	6385	87	ax (80MHz)	52	44	MCS11	Pass
	6435	97	ax (20MHz)	52	40	MCS11	Pass
	6475	105	ax (20MHz)	52	40	MCS11	Pass
	6515	113	ax (20MHz)	52	37	MCS11	Pass
	6445	99	ax (40MHz)	52	37	MCS11	Pass
	6485	107	ax (40MHz)	52	40	MCS11	Pass
	6525	115	ax (40MHz)	52	44	MCS11	Pass
Band 7	6465	103	ax (80MHz)	52	37	MCS11	Pass
	6535	117	ax (20MHz)	52	39	MCS11	Pass
	6695	149	ax (20MHz)	52	40	MCS11	Pass
	6875	185	ax (20MHz)	52	40	MCS11	Pass
	6565	123	ax (40MHz)	52	40	MCS11	Pass
	6725	155	ax (40MHz)	52	37	MCS11	Pass
	6845	179	ax (40MHz)	52	44	MCS11	Pass
	6545	119	ax (80MHz)	52	37	MCS11	Pass
	6705	151	ax (80MHz)	52	44	MCS11	Pass
Band 8	6865	183	ax (80MHz)	52	37	MCS11	Pass
	6895	189	ax (20MHz)	52	39	MCS11	Pass
	6995	209	ax (20MHz)	52	39	MCS11	Pass
	7095	229	ax (20MHz)	52	37	MCS11	Pass
	6885	187	ax (40MHz)	52	44	MCS11	Pass
	7005	211	ax (40MHz)	52	40	MCS11	Pass
	7085	227	ax (40MHz)	52	37	MCS11	Pass
	6945	199	ax (80MHz)	52	37	MCS11	Pass
	7025	215	ax (80MHz)	52	44	MCS11	Pass

Table 7-28. In-Band Emission Measurements Antenna 1 (RU52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.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 189

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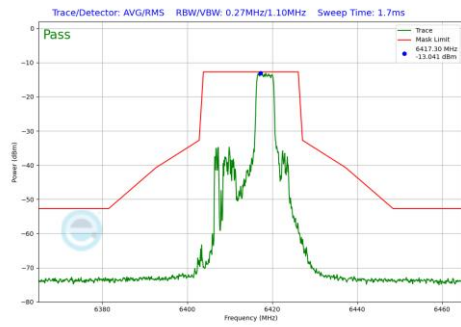
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	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	In-Band Emission
Band 5	6115	33	ax (20MHz)	242	61	MCS11	Pass
	6255	61	ax (20MHz)	242	61	MCS11	Pass
	6415	93	ax (20MHz)	242	61	MCS11	Pass
	6125	35	ax (40MHz)	484	65	MCS11	Pass
	6245	59	ax (40MHz)	484	65	MCS11	Pass
	6405	91	ax (40MHz)	484	65	MCS11	Pass
	6145	39	ax (80MHz)	996	67	MCS11	Pass
	6225	55	ax (80MHz)	996	67	MCS11	Pass
Band 6	6385	87	ax (80MHz)	996	67	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
Band 7	6465	103	ax (80MHz)	996	67	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
Band 8	6865	183	ax (80MHz)	996	67	MCS11	Pass
	6895	189	ax (20MHz)	242	61	MCS11	Pass
	6995	209	ax (20MHz)	242	61	MCS11	Pass
	7115	233	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

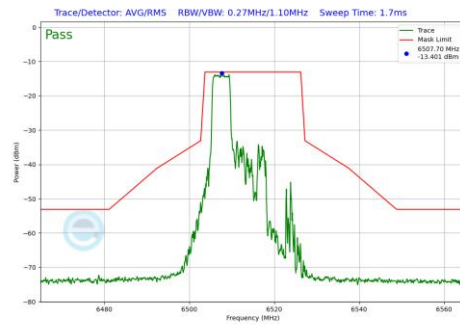
Table 7-29. In-Band Emission Measurements Antenna 1 (Fully – Loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.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 189

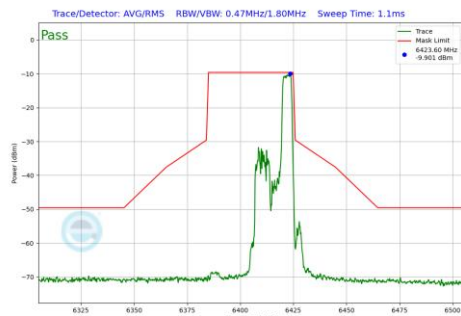
V 12.0 03/03/2026



Plot 7-169 In-Band Emission Plot Antenna 1 (20MHz BW 802.11ax(RU)
RU52 Index39 (UNII Band 5) - Ch.93)



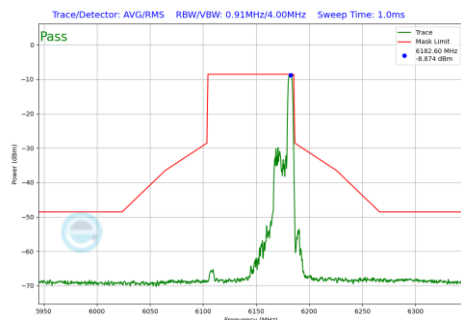
Plot 7-172 In-Band Emission Plot Antenna 1 (20MHz BW 802.11ax(RU)
RU52 Index37 (UNII Band 6) - Ch.113)



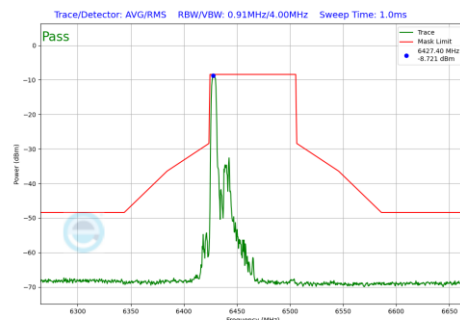
Plot 7-170 In-Band Emission Plot Antenna 1 (40MHz BW 802.11ax(RU)
RU52 Index44 (UNII Band 5) - Ch.91)



Plot 7-173 In-Band Emission Plot Antenna 1 (40MHz BW 802.11ax(RU)
RU52 Index37 (UNII Band 6) - Ch.99)

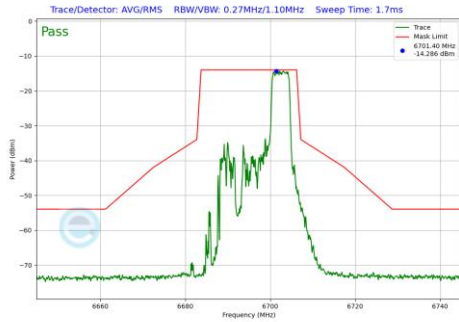


Plot 7-171 In-Band Emission Plot Antenna 1 (80MHz BW 802.11ax(RU)
RU52 Index52 (UNII Band 5) - Ch.39)

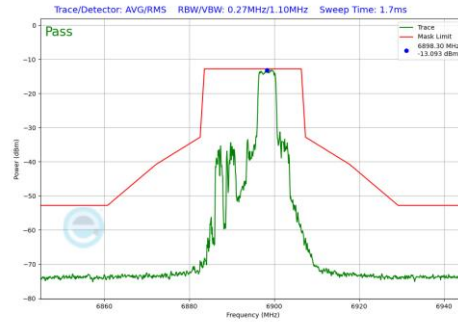


Plot 7-174 In-Band Emission Plot Antenna 1 (80MHz BW 802.11ax(RU)
RU52 Index37 (UNII Band 6) - Ch.103)

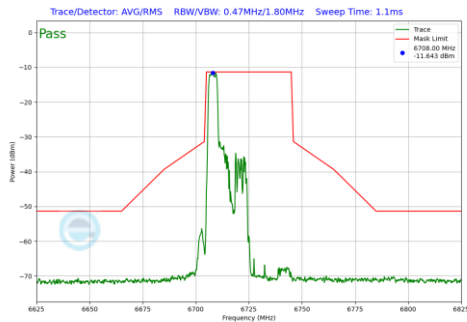
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 87 of 189



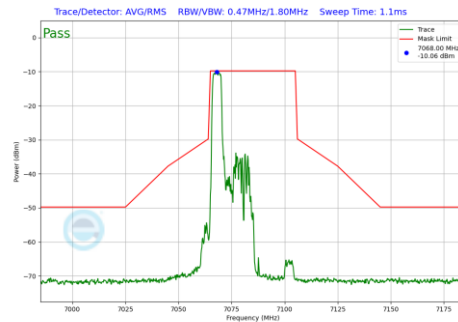
Plot 7-175 In-Band Emission Plot Antenna 1 (20MHz BW 802.11ax(RU) RU52 Index40 (UNII Band 7) - Ch.149)



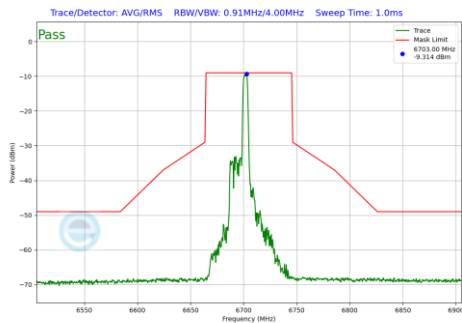
Plot 7-178 In-Band Emission Plot Antenna 1 (20MHz BW 802.11ax(RU) RU52 Index39 (UNII Band 8) - Ch.189)



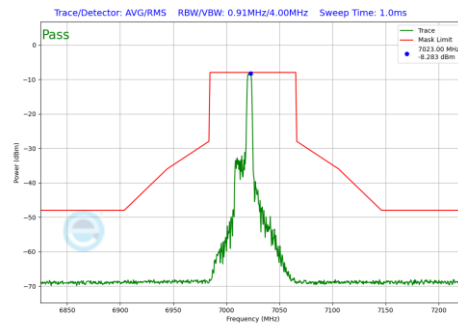
Plot 7-176 In-Band Emission Plot Antenna 1 (40MHz BW 802.11ax(RU) RU52 Index37 (UNII Band 7) - Ch.155)



Plot 7-179 In-Band Emission Plot Antenna 1 (40MHz BW 802.11ax(RU) RU52 Index37 (UNII Band 8) - Ch.227)

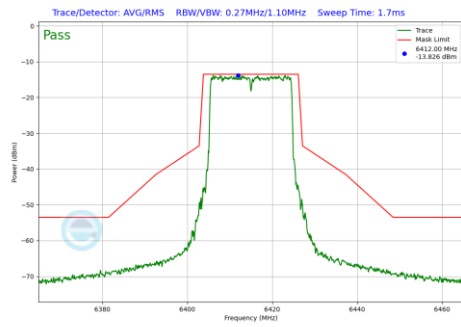


Plot 7-177 In-Band Emission Plot Antenna 1 (80MHz BW 802.11ax(RU) RU52 Index44 (UNII Band 7) - Ch.151)

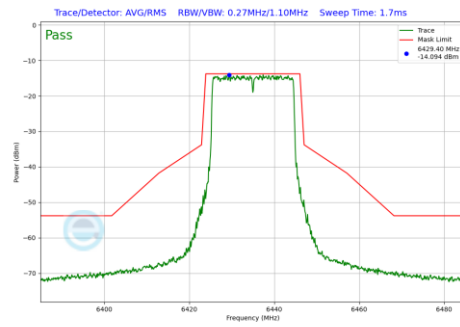


Plot 7-180 In-Band Emission Plot Antenna 1 (80MHz BW 802.11ax(RU) RU52 Index44 (UNII Band 8) - Ch.215)

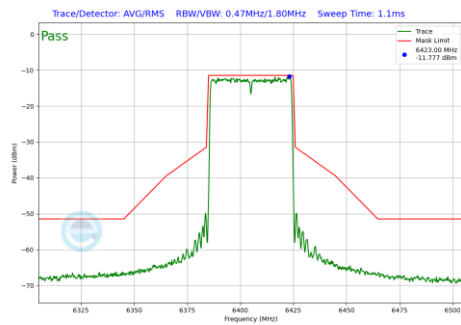
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 88 of 189



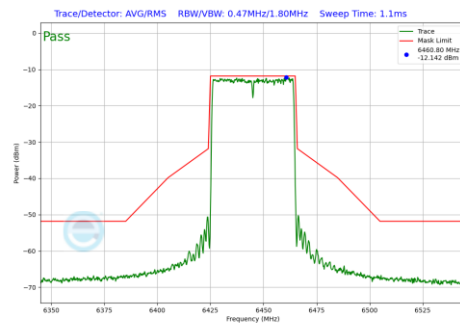
Plot 7-181 In-Band Emission Plot Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 5) - Ch.93)



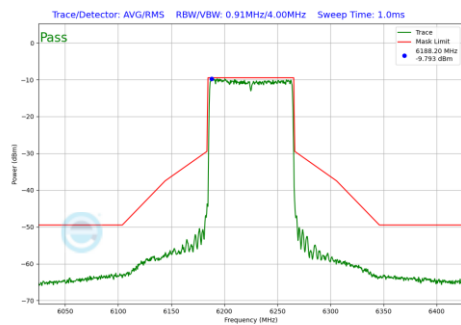
Plot 7-184 In-Band Emission Plot Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 6) - Ch.97)



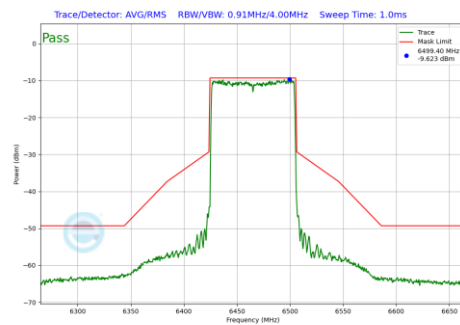
Plot 7-182 In-Band Emission Plot Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 5) - Ch.91)



Plot 7-185 In-Band Emission Plot Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 6) - Ch.99)

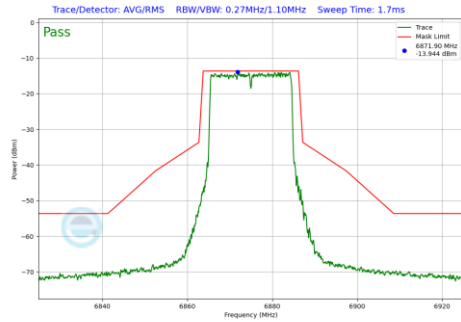


Plot 7-183 In-Band Emission Plot Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 5) - Ch.55)

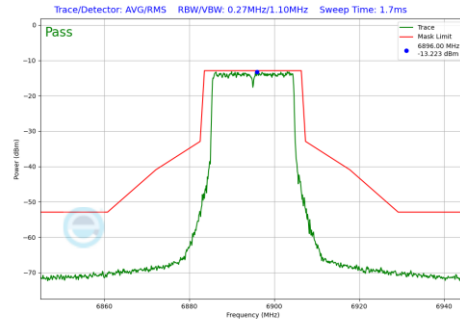


Plot 7-186 In-Band Emission Plot Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 6) - Ch.103)

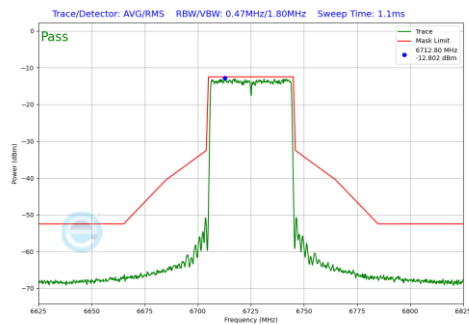
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 89 of 189



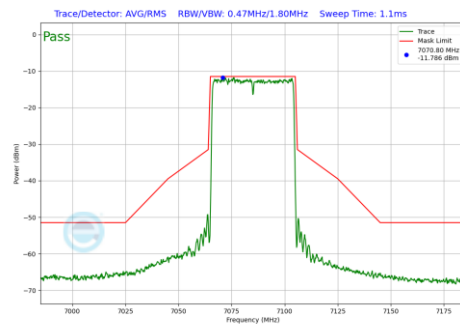
Plot 7-187 In-Band Emission Plot Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 7) - Ch.185)



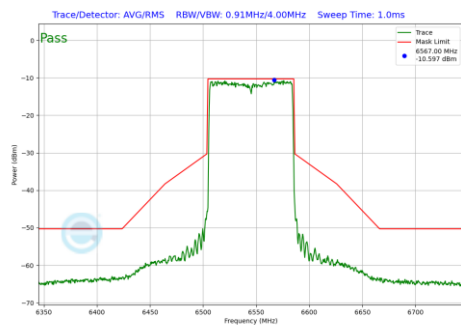
Plot 7-190 In-Band Emission Plot Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 8) - Ch.189)



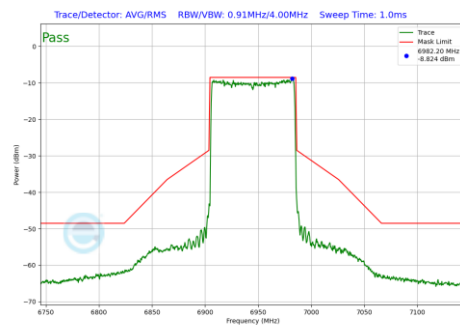
Plot 7-188 In-Band Emission Plot Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 7) - Ch.155)



Plot 7-191 In-Band Emission Plot Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 8) - Ch.227)



Plot 7-189 In-Band Emission Plot Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 7) - Ch.119)



Plot 7-192 In-Band Emission Plot Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 8) - Ch.199)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.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 189

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 5	5935	33	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6175	61	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6415	93	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	5965	35	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6165	59	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6165	91	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	5985	39	ax (80MHz)	106	53	SDM	MCS11	Pass	Pass
	6145	55	ax (80MHz)	106	60	SDM	MCS11	Pass	Pass
Band 6	6385	87	ax (80MHz)	106	60	SDM	MCS11	Pass	Pass
	6345	97	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6475	105	ax (20MHz)	106	54	SDM	MCS11	Pass	Pass
	6515	113	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6445	99	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6485	107	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	6525	115	ax (40MHz)	106	56	SDM	MCS11	Pass	Pass
	6465	103	ax (80MHz)	106	53	SDM	MCS11	Pass	Pass
Band 7	6535	117	ax (20MHz)	106	54	SDM	MCS11	Pass	Pass
	6695	149	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6875	185	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6565	123	ax (40MHz)	106	54	SDM	MCS11	Pass	Pass
	6725	155	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6845	179	ax (40MHz)	106	53	SDM	MCS11	Pass	Pass
	6545	119	ax (80MHz)	106	56	SDM	MCS11	Pass	Pass
	6705	151	ax (80MHz)	106	56	SDM	MCS11	Pass	Pass
Band 8	6865	183	ax (80MHz)	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
	7115	229	ax (20MHz)	106	53	SDM	MCS11	Pass	Pass
	6885	187	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
	6945	199	ax (80MHz)	106	53	SDM	MCS11	Pass	Pass
	7025	215	ax (80MHz)	106	56	SDM	MCS11	Pass	Pass

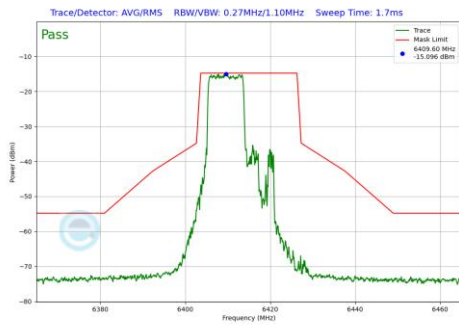
Table 7-30. In-Band Emission Measurements SDM (RU106)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.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 189

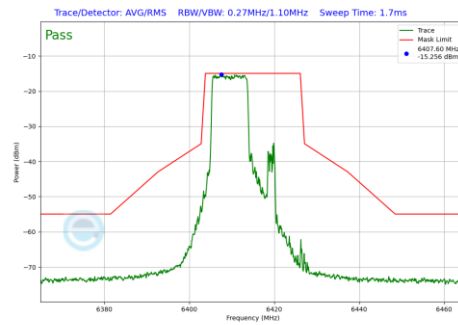
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 In-Band Emission	Antenna 1 In-Band Emission
Band 5	6115	33	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6255	61	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6415	93	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6125	35	ax (40MHz)	484	65	SDM	MCS11	Pass	Pass
	6245	59	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
	6225	55	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
Band 6	6385	87	ax (80MHz)	996	67	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	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
	6545	119	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	6705	151	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
Band 8	6865	183	ax (80MHz)	996	67	SDM	MCS11	Pass	Pass
	6895	189	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	6995	209	ax (20MHz)	242	61	SDM	MCS11	Pass	Pass
	7115	233	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

Table 7-31. In-Band Emission Measurements SDM (Fully – Loaded RU)

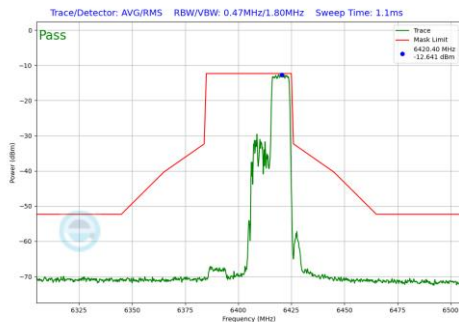
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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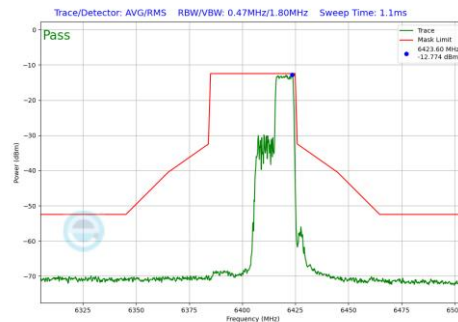
Plot 7-193 In-Band Emission Plot SDM Antenna 0 (20MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 5) - Ch.93)



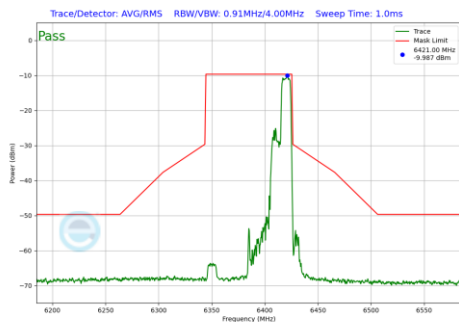
Plot 7-196 In-Band Emission Plot SDM Antenna 1 (20MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 5) - Ch.93)



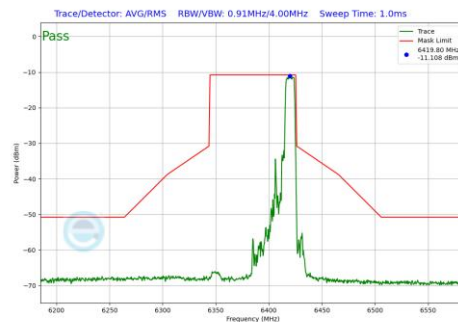
Plot 7-194 In-Band Emission Plot SDM Antenna 0 (40MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 5) - Ch.91)



Plot 7-197 In-Band Emission Plot SDM Antenna 1 (40MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 5) - Ch.91)

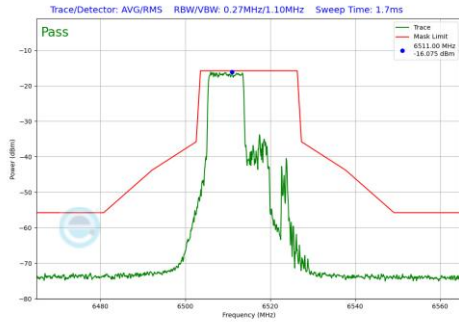


Plot 7-195 In-Band Emission Plot SDM Antenna 0 (80MHz BW 802.11ax(RU) RU106 Index60 (UNII Band 5) - Ch.87)

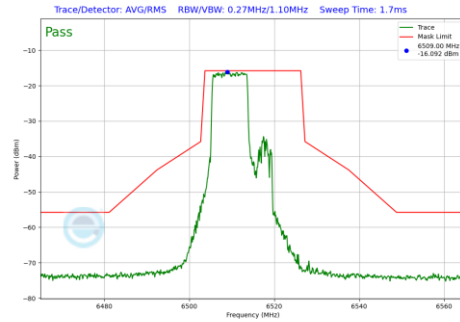


Plot 7-198 In-Band Emission Plot SDM Antenna 1 (80MHz BW 802.11ax(RU) RU106 Index60 (UNII Band 5) - Ch.87)

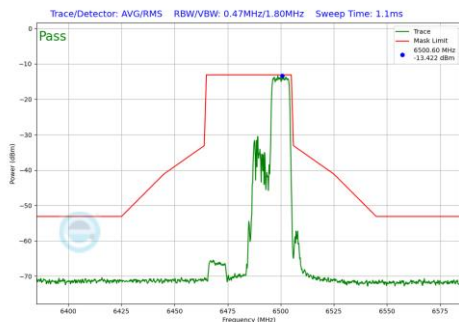
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 93 of 189



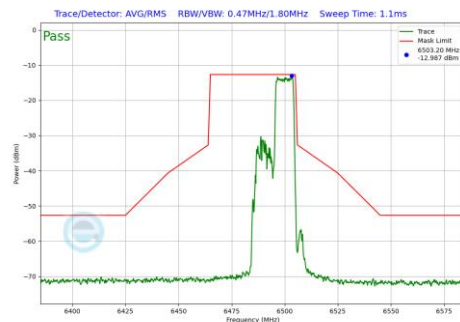
Plot 7-199 In-Band Emission Plot SDM Antenna 0 (20MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 6) - Ch.113)



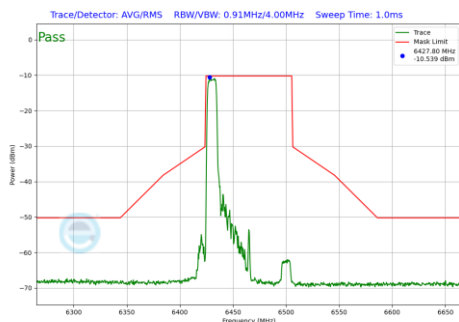
Plot 7-202 In-Band Emission Plot SDM Antenna 1 (20MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 6) - Ch.113)



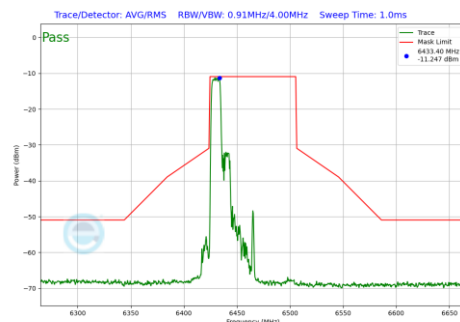
Plot 7-200 In-Band Emission Plot SDM Antenna 0 (40MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 6) - Ch.107)



Plot 7-203 In-Band Emission Plot SDM Antenna 1 (40MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 6) - Ch.107)

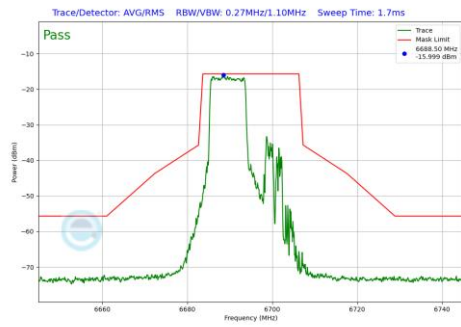


Plot 7-201 In-Band Emission Plot SDM Antenna 0 (80MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 6) - Ch.103)

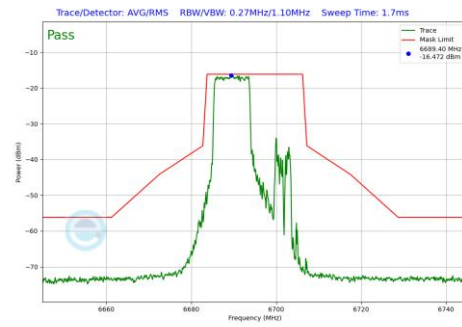


Plot 7-204 In-Band Emission Plot SDM Antenna 1 (80MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 6) - Ch.103)

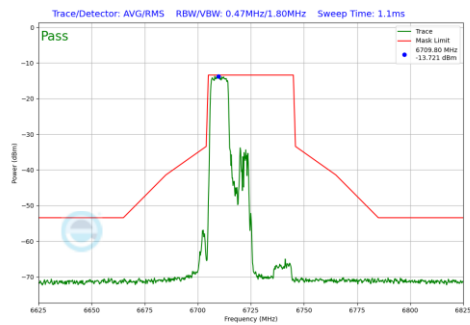
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 94 of 189



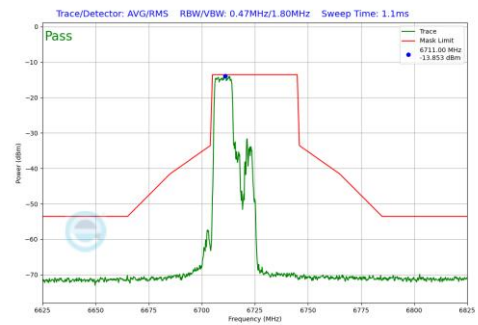
Plot 7-205 In-Band Emission Plot SDM Antenna 0 (20MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 7) - Ch.149)



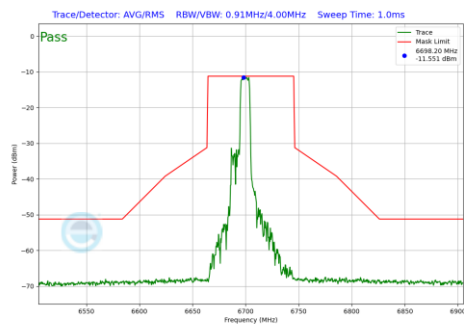
Plot 7-208 In-Band Emission Plot SDM Antenna 1 (20MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 7) - Ch.149)



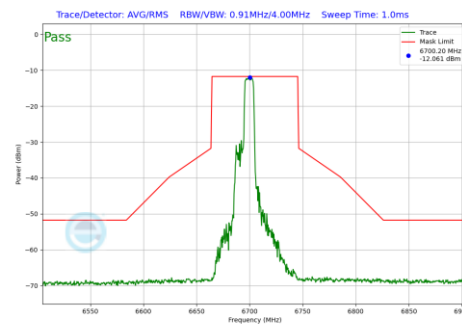
Plot 7-206 In-Band Emission Plot SDM Antenna 0 (40MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 7) - Ch.155)



Plot 7-209 In-Band Emission Plot SDM Antenna 1 (40MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 7) - Ch.155)

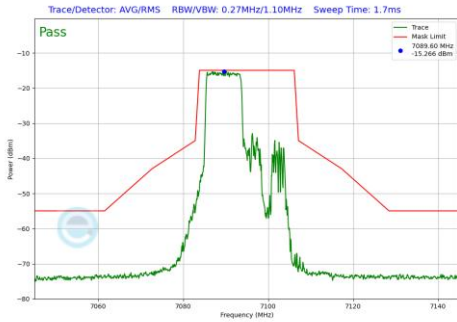


Plot 7-207 In-Band Emission Plot SDM Antenna 0 (80MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 7) - Ch.151)

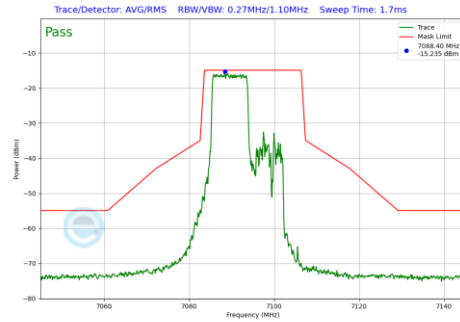


Plot 7-210 In-Band Emission Plot SDM Antenna 1 (80MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 7) - Ch.151)

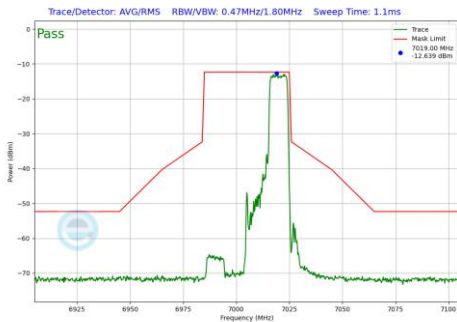
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/19/2025 - 03/12/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-13-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 95 of 189



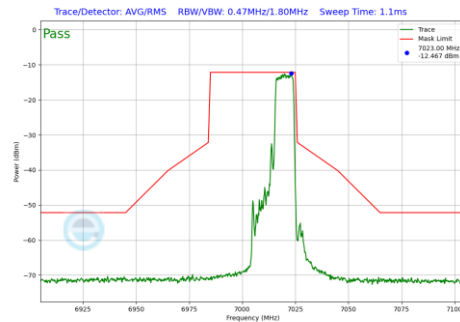
Plot 7-211 In-Band Emission Plot SDM Antenna 0 (20MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 8) - Ch.229)



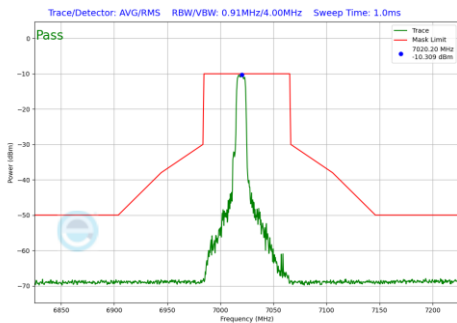
Plot 7-214 In-Band Emission Plot SDM Antenna 1 (20MHz BW 802.11ax(RU) RU106 Index53 (UNII Band 8) - Ch.229)



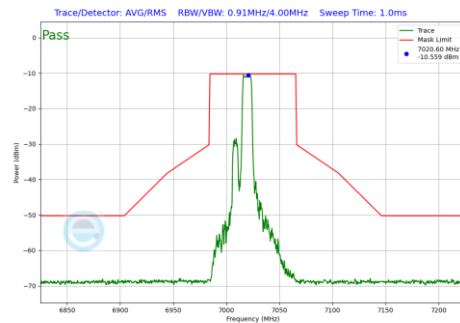
Plot 7-212 In-Band Emission Plot SDM Antenna 0 (40MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 8) - Ch.211)



Plot 7-215 In-Band Emission Plot SDM Antenna 1 (40MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 8) - Ch.211)



Plot 7-213 In-Band Emission Plot SDM Antenna 0 (80MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 8) - Ch.215)



Plot 7-216 In-Band Emission Plot SDM Antenna 1 (80MHz BW 802.11ax(RU) RU106 Index56 (UNII Band 8) - Ch.215)

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Test Report S/N: 1C2505300067-13-R2.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 189