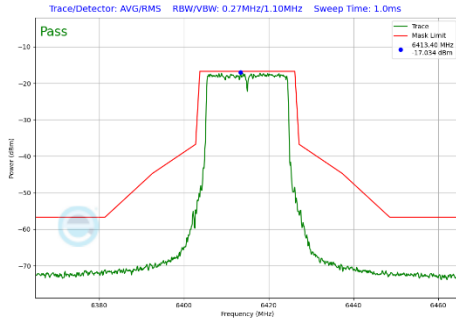
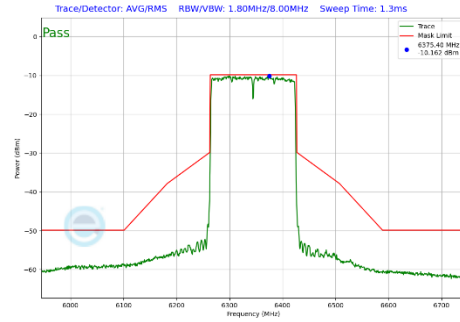
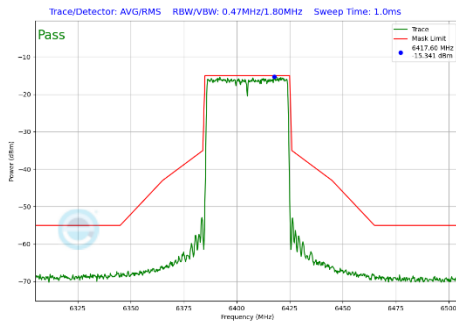




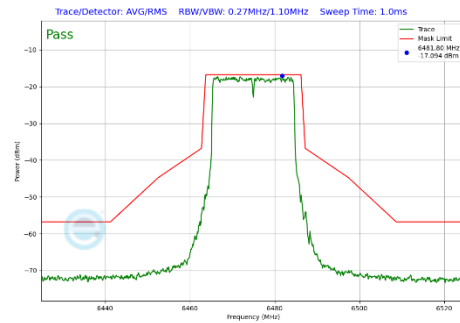
Plot 7-299 In-Band Emission Plot SDM Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 5) - Ch.93)



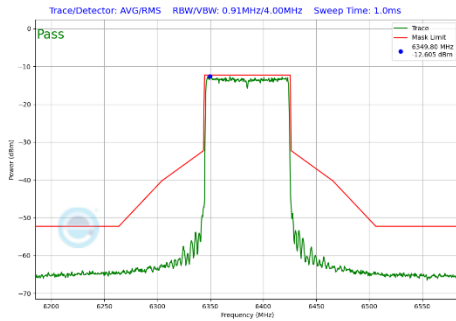
Plot 7-302 In-Band Emission Plot SDM Antenna 1 (160MHz BW 802.11ax(RU) RU996X2 Index68 (UNII Band 5) - Ch.79)



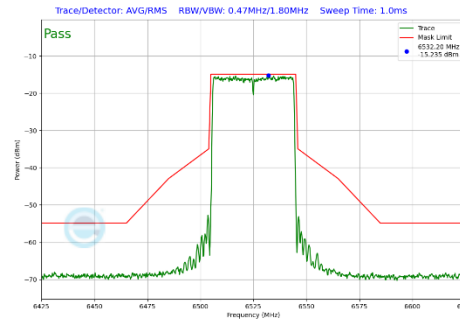
Plot 7-300 In-Band Emission Plot SDM Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 5) - Ch.91)



Plot 7-303 In-Band Emission Plot SDM Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 6) - Ch.105)

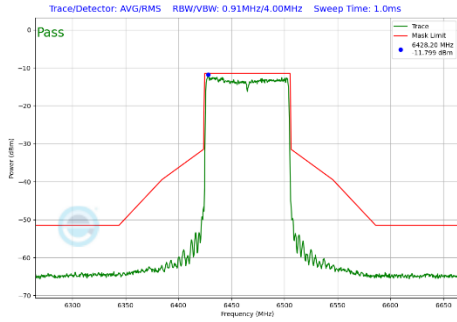


Plot 7-301 In-Band Emission Plot SDM Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 5) - Ch.87)

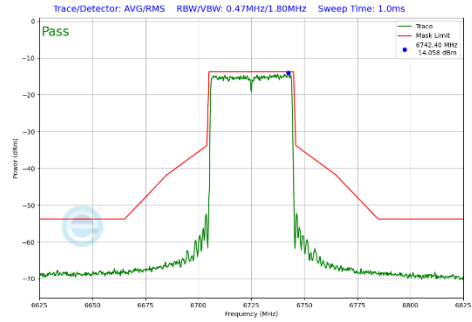


Plot 7-304 In-Band Emission Plot SDM Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 6) - Ch.115)

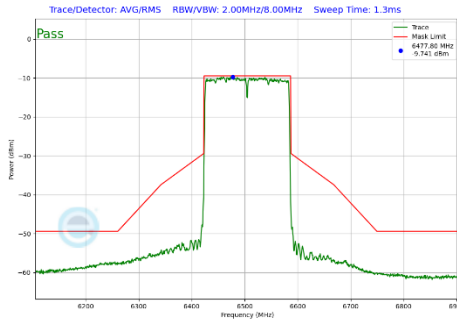
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 99 of 195



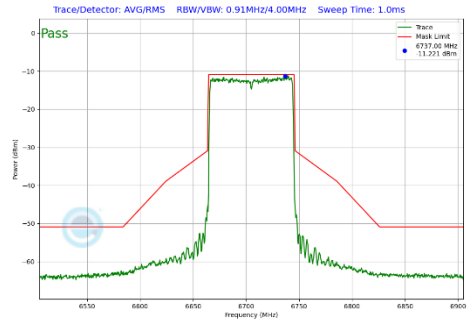
Plot 7-305 In-Band Emission Plot SDM Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 6) - Ch.103)



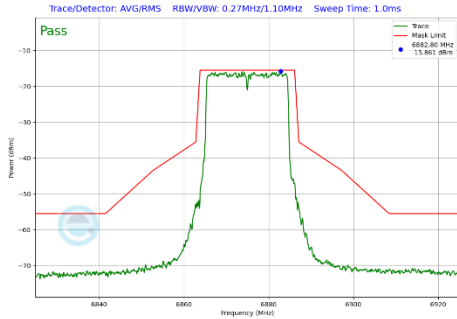
Plot 7-308 In-Band Emission Plot SDM Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 (UNII Band 7) - Ch.155)



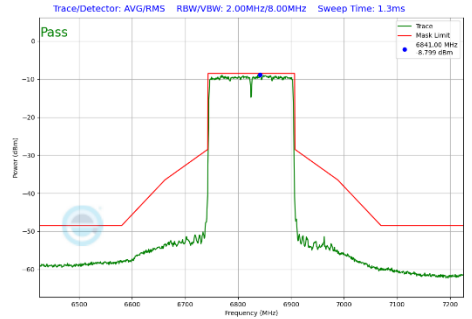
Plot 7-306 In-Band Emission Plot SDM Antenna 1 (160MHz BW 802.11ax(RU) RU996X2 Index68 (UNII Band 6) - Ch.111)



Plot 7-309 In-Band Emission Plot SDM Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 (UNII Band 7) - Ch.151)

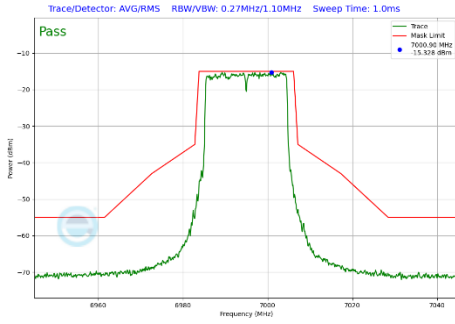


Plot 7-307 In-Band Emission Plot SDM Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 (UNII Band 7) - Ch.185)

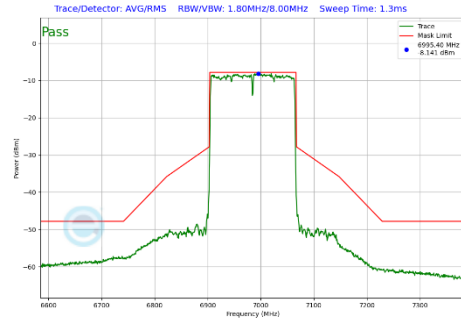


Plot 7-310 In-Band Emission Plot SDM Antenna 1 (160MHz BW 802.11ax(RU) RU996X2 Index68 (UNII Band 7) - Ch.175)

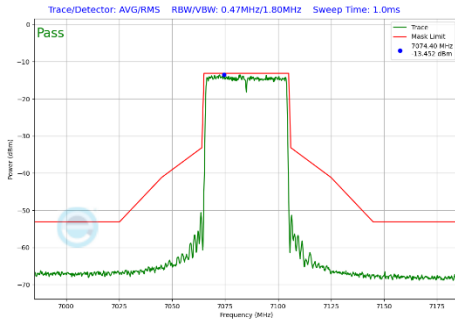
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 100 of 195



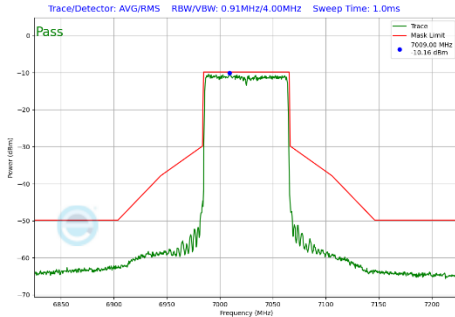
**Plot 7-311 In-Band Emission Plot SDM Antenna 1 (20MHz BW
802.11ax(RU) RU242 Index61 (UNII Band 8) - Ch.209)**



**Plot 7-314 In-Band Emission Plot SDM Antenna 1 (160MHz BW
802.11ax(RU) RU996X2 Index68 (UNII Band 8) - Ch.207)**



**Plot 7-312 In-Band Emission Plot SDM Antenna 1 (40MHz BW
802.11ax(RU) RU484 Index65 (UNII Band 8) - Ch.227)**



**Plot 7-313 In-Band Emission Plot SDM Antenna 1 (80MHz BW
802.11ax(RU) RU996 Index67 (UNII Band 8) - Ch.215)**

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 195

7.6 Contention Based Protocol

Test Overview and Limit

Indoor access points, subordinate devices and all client devices (except for Fixed clients), and VLP devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) must use a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, unlicensed devices must detect RF energy throughout their intended operating channel.

Test Procedure Used

KDB 987594 D02 v03 – Section I

Test Settings

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
9. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
10. Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 195

Test Setup

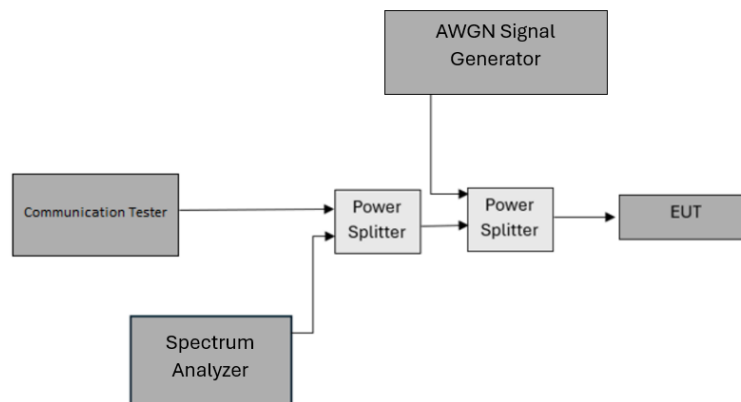


Figure 2. Contention-based protocol test setup, conducted method

Test Notes

1. The EUT does not support channel puncturing.
2. Per guidance from KDB 987594 D02 v03, contention-based protocol was tested using an AWGN signal with a bandwidth of 10MHz. The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission, marker indicates the point at which the AWGN signal is introduced.
3. Per Guidance from KDB 987594 D04 v03, contention-based protocol was tested with receiver with the lowest antenna gain.
4. The Channel Power (AWGN) plots do not account for the cable loss at the antenna connector. This loss is added separately in the Incumbent Detection Results table. Across UNII-5 to UNII-8, the antenna connectors loss ranges from 1.1 dB to 1.3 dB.
5. 15 trials were ran in order to assure that at least 90% of certainty was met.

$$\text{Detection Level} = \text{Injected AWGN Power (dBm)} - \text{Antenna Gain (dBi)} + \text{Path Loss (dB)}$$

Equation 7-1. Incumbent Detection Level Calculation

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 195

Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]
UNII Band 5	53	6215	20	6215	-66.21	-2.50	-63.71	-62.0	-1.71
	47	6185	160	6112	-66.18	-2.50	-63.68	-62.0	-1.68
				6185	-66.21	-2.50	-63.71	-62.0	-1.71
				6258	-66.20	-2.50	-63.70	-62.0	-1.70
UNII Band 6	101	6455	20	6455	-66.29	-2.50	-63.79	-62.0	-1.79
	111	6505	160	6432	-66.22	-2.50	-63.72	-62.0	-1.72
				6505	-66.27	-2.50	-63.77	-62.0	-1.77
				6578	-66.38	-2.50	-63.88	-62.0	-1.88
UNII Band 7	149	6695	20	6695	-66.60	-2.50	-64.10	-62.0	-2.10
	143	6665	160	6592	-66.45	-2.50	-63.95	-62.0	-1.95
				6665	-66.47	-2.50	-63.97	-62.0	-1.97
				6738	-66.58	-2.50	-64.08	-62.0	-2.08
UNII Band 8	197	6935	20	6935	-66.53	-2.50	-64.03	-62.0	-2.03
	207	6985	160	6912	-66.56	-2.50	-64.06	-62.0	-2.06
				6985	-66.83	-2.50	-64.33	-62.0	-2.33
				7058	-66.49	-2.50	-63.99	-62.0	-1.99

Table 7-33. Contention Based Protocol – Incumbent Detection Results

Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	EUT Transmission Status		
					Adjusted AWGN Power (dBm)		
					Normal	Minimal	Ceased
UNII Band 5	53	6215	20	6215	-74.89	-64.96	-63.71
	47	6185	160	6112	-74.86	-64.93	-63.68
				6185	-74.89	-64.96	-63.71
				6258	-74.88	-64.95	-63.70
UNII Band 6	101	6455	20	6455	-74.97	-65.04	-63.79
	111	6505	160	6432	-74.90	-64.97	-63.72
				6505	-74.95	-65.02	-63.77
				6578	-75.06	-65.13	-63.88
UNII Band 7	149	6695	20	6695	-75.08	-65.32	-64.10
	143	6665	160	6592	-74.93	-65.17	-63.95
				6665	-74.95	-65.19	-63.97
				6738	-75.06	-65.30	-64.08
UNII Band 8	197	6935	20	6935	-75.01	-65.25	-64.03
	207	6985	160	6912	-75.04	-65.28	-64.06
				6985	-75.31	-65.55	-64.33
				7058	-74.97	-65.21	-63.99

Table 7-34. Contention Based Protocol – Detection Results – All Tx Cases

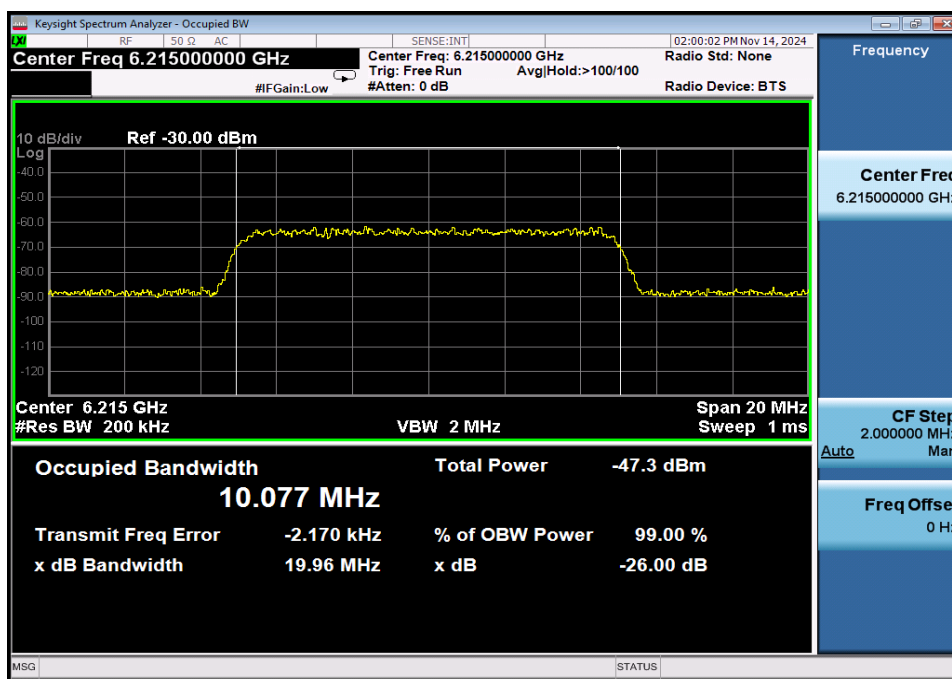
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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CBP Detection (1 = Detection, Blank = No Detection)																					
Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Detection Rate [%]	Limit [%]	Pass/Fail
UNII Band 5	53	6215	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
	47	6185	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
UNII Band 6	101	6455	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
	111	6505	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
UNII Band 7	149	6695	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
	143	6665	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
UNII Band 8	197	6935	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
	207	6985	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass

Table 7-35. Contention Based Protocol – Incumbent Detection Trial Results

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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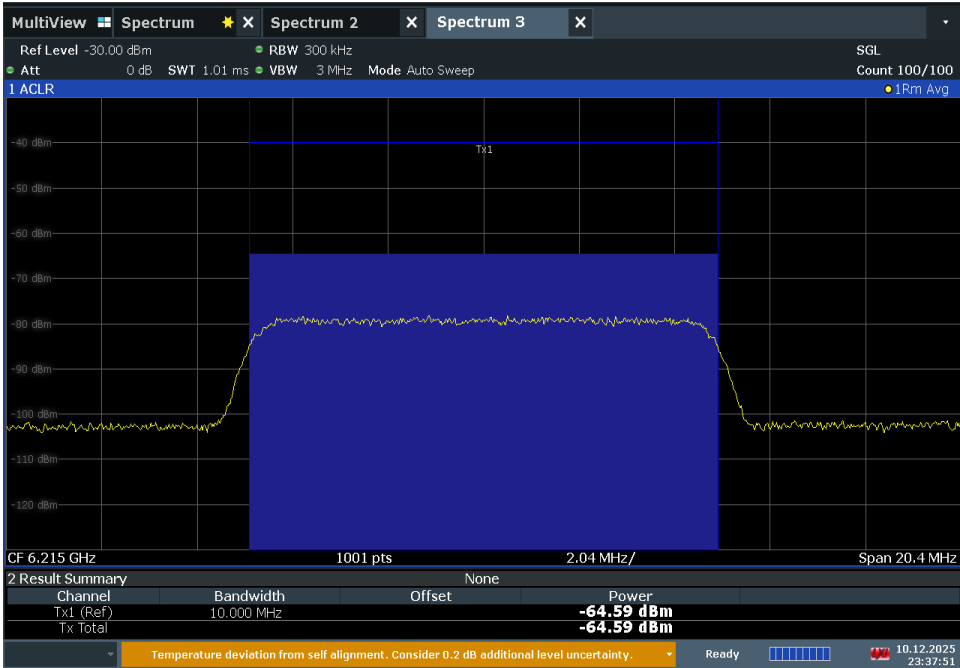
AWGN Plot



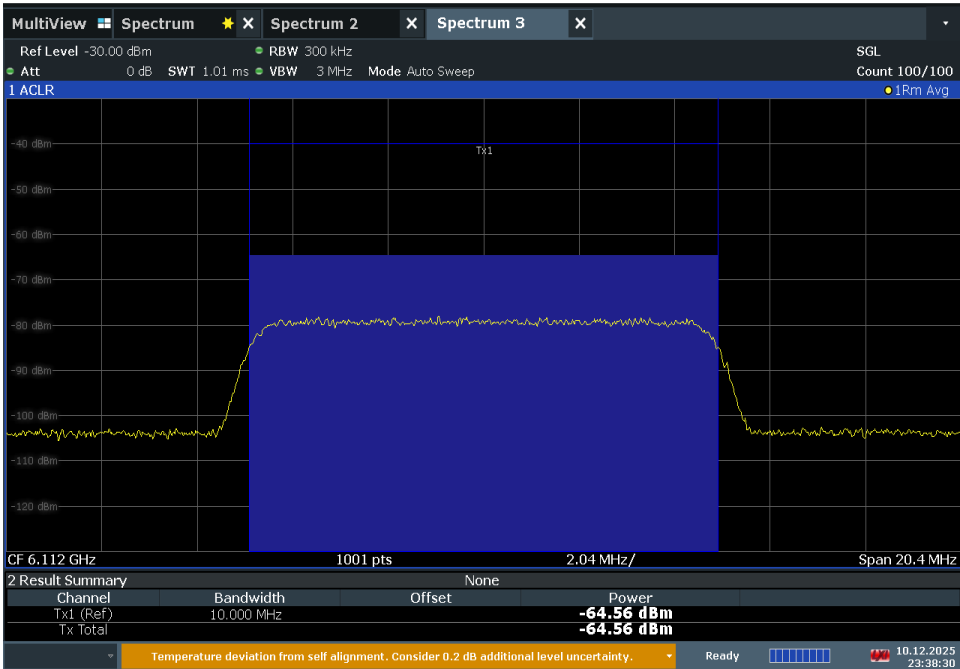
Plot 7-315. AWGN Signal – UNII 5 – 20MHz

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 195

Channel Power Plots

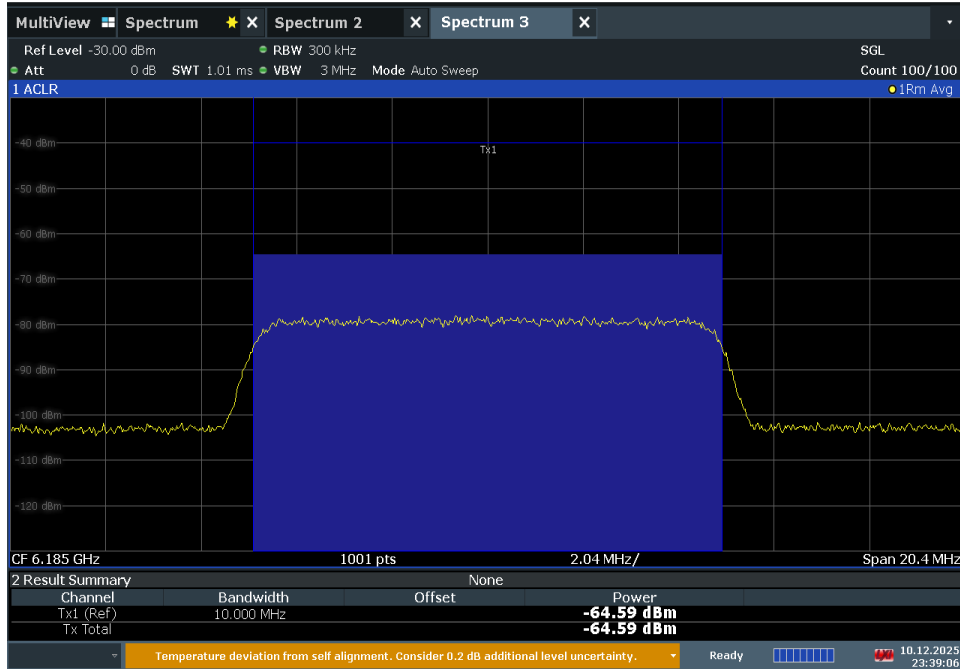


Plot 7-316. Channel Power – UNII 5 – 20MHz

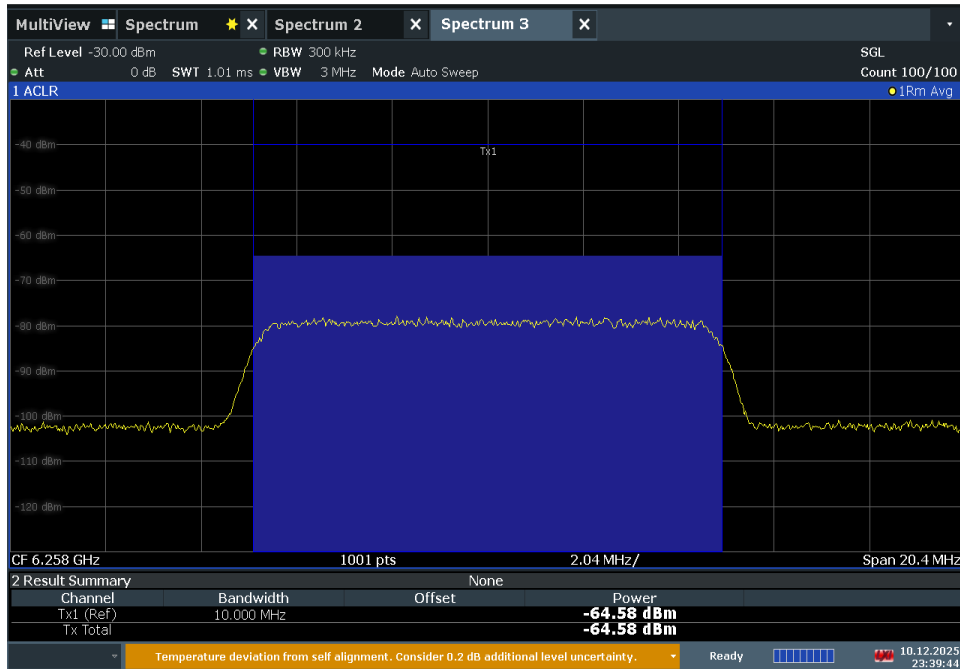


Plot 7-317. Channel Power – UNII 5 – 160MHz - Low

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 195

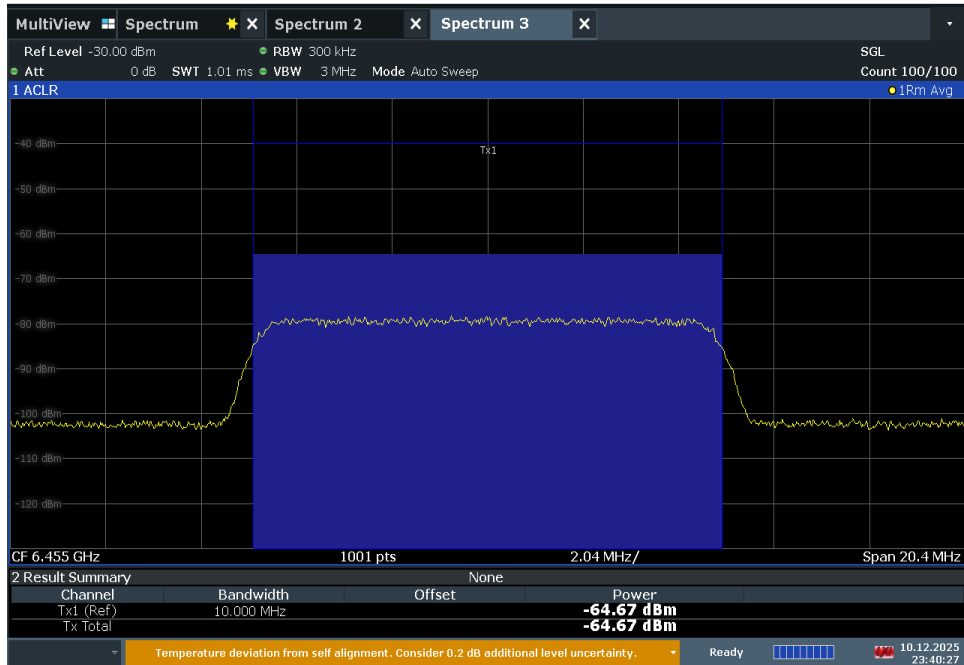


Plot 7-318. Channel Power – UNII 5 – 160MHz - Mid

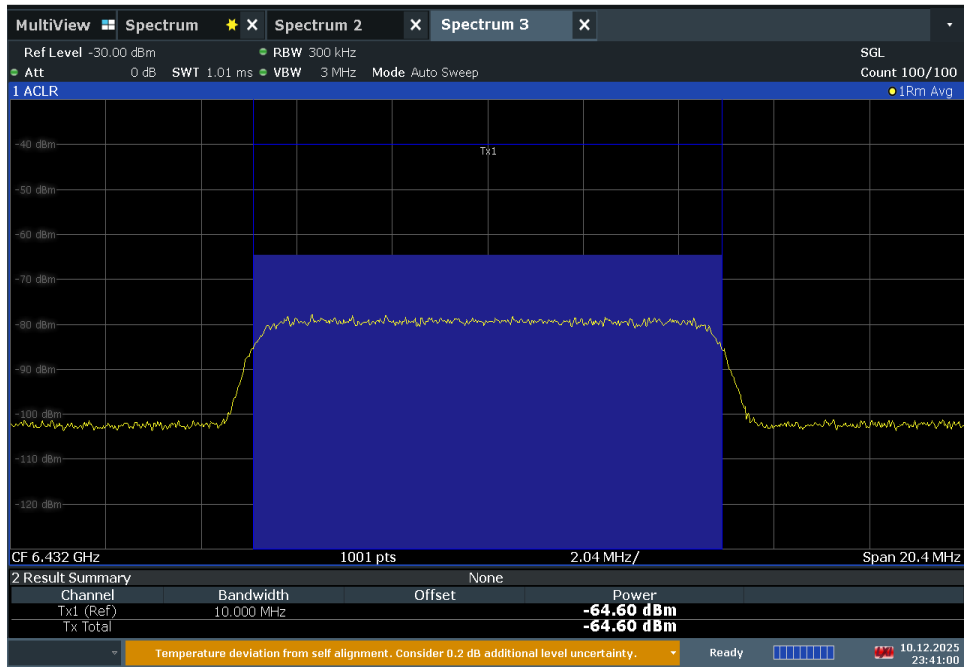


Plot 7-319. Channel Power – UNII 5 – 160MHz - High

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 195

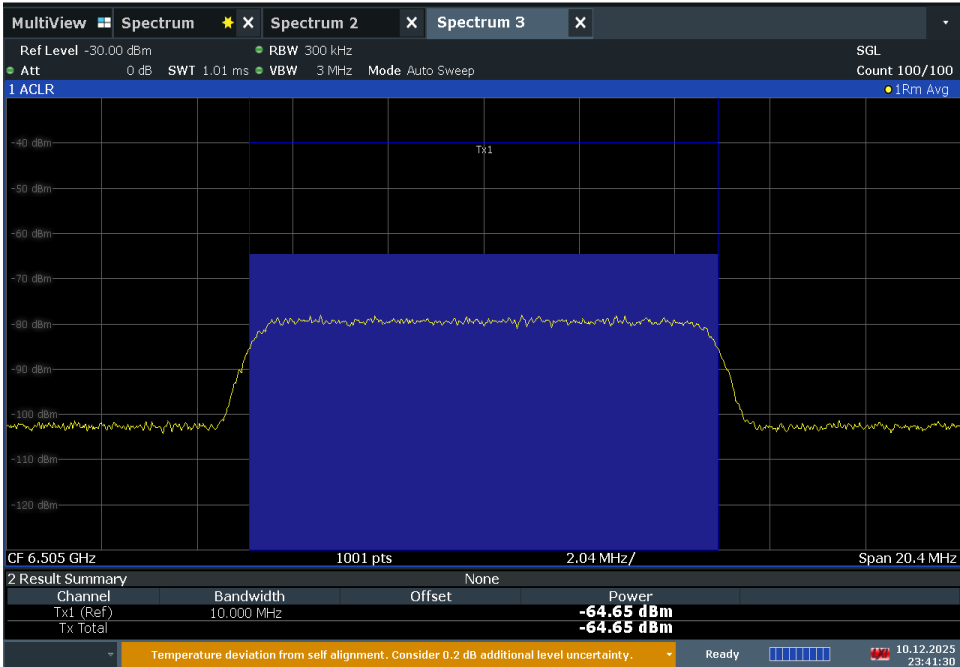


Plot 7-320. Channel Power – UNII 6 – 20MHz

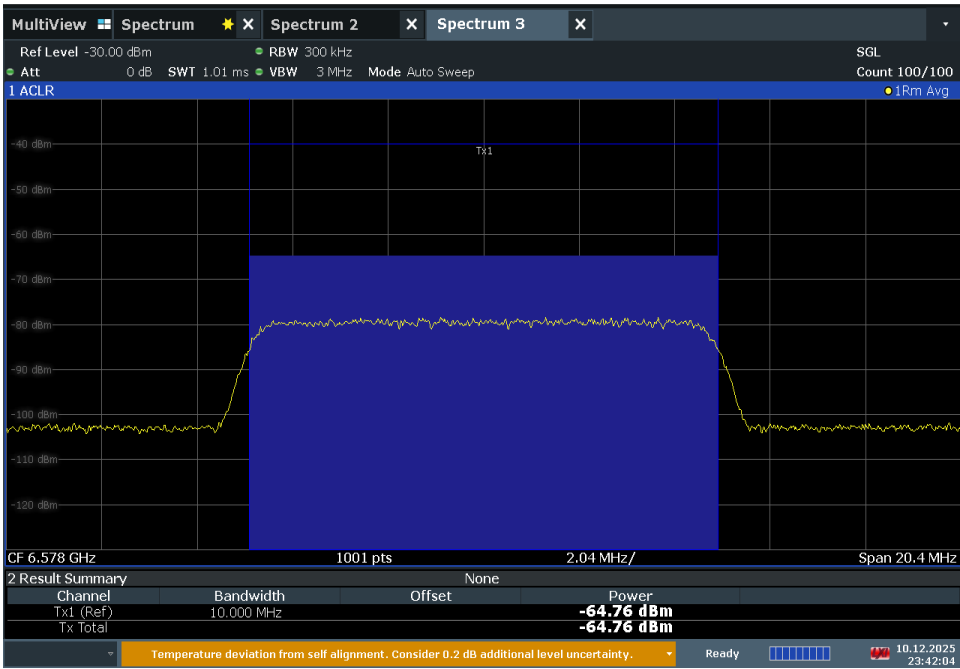


Plot 7-321. Channel Power – UNII 6 – 160MHz - Low

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 109 of 195



Plot 7-322. Channel Power – UNII 6 – 160MHz - Mid

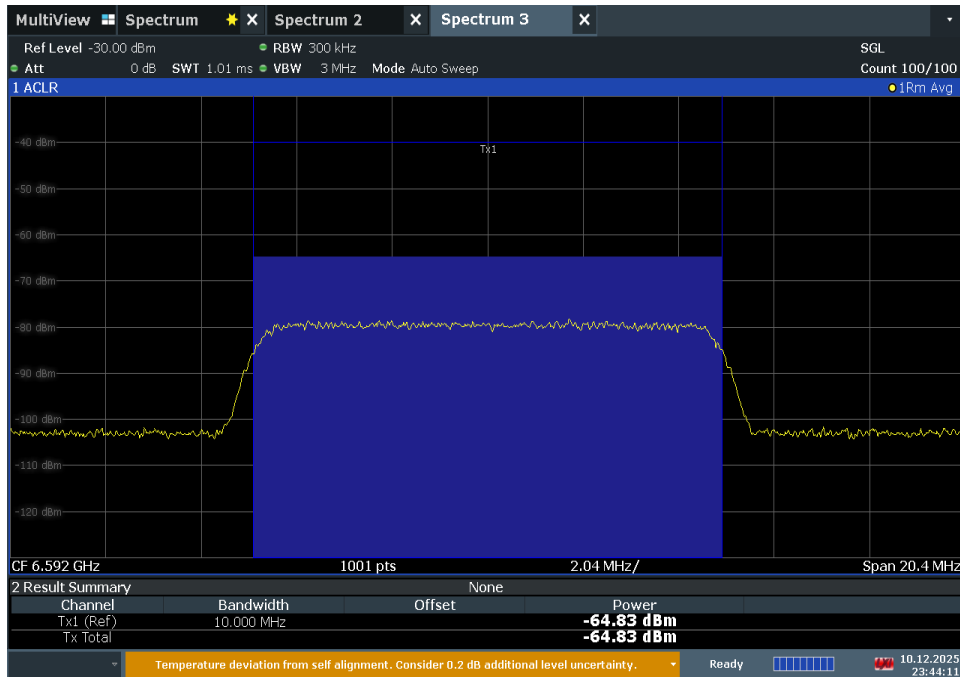


Plot 7-323. Channel Power – UNII 6 – 160MHz - High

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 110 of 195

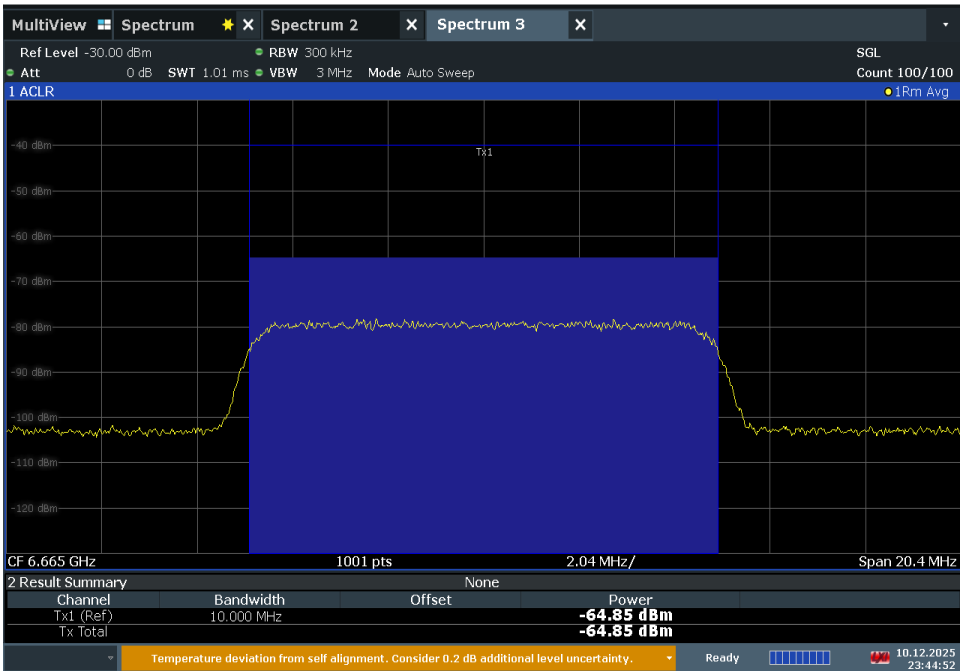


Plot 7-324. Channel Power – UNII 7 – 20MHz

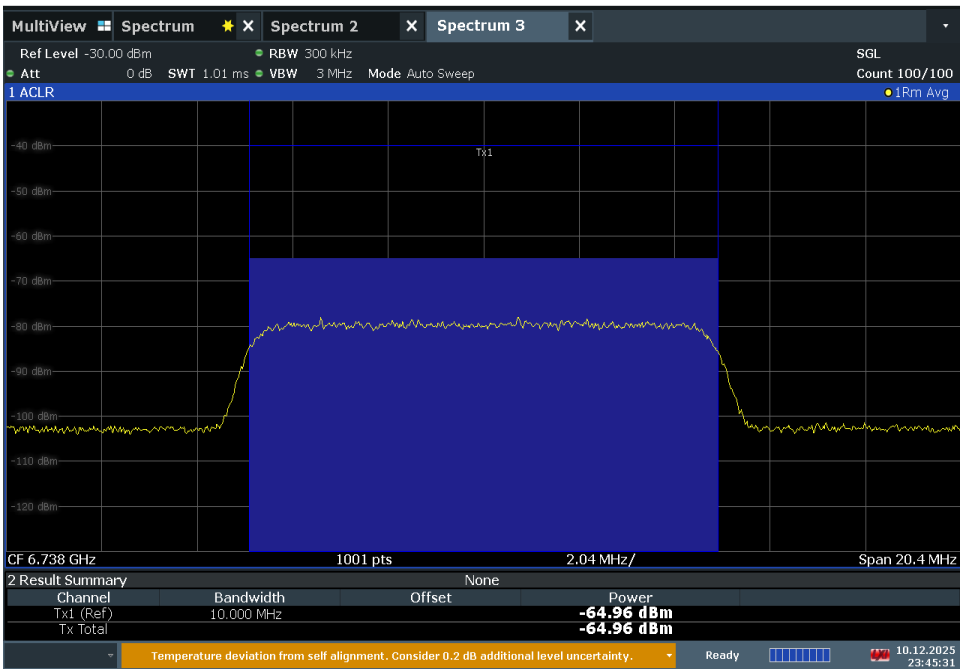


Plot 7-325. Channel Power – UNII 7 – 160MHz - Low

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 111 of 195

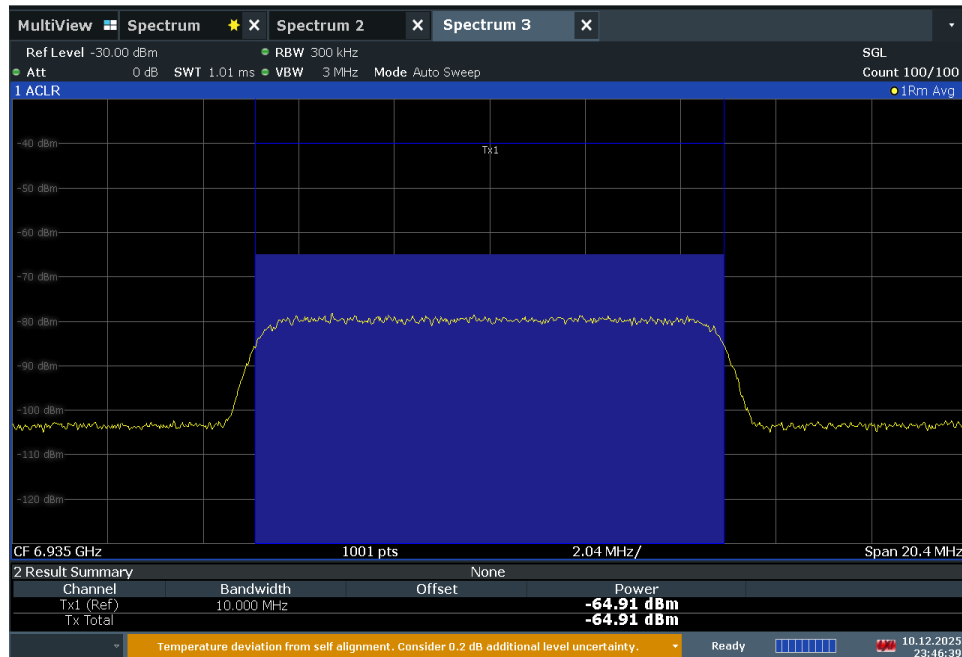


Plot 7-326. Channel Power – UNII 7 – 160MHz - Mid

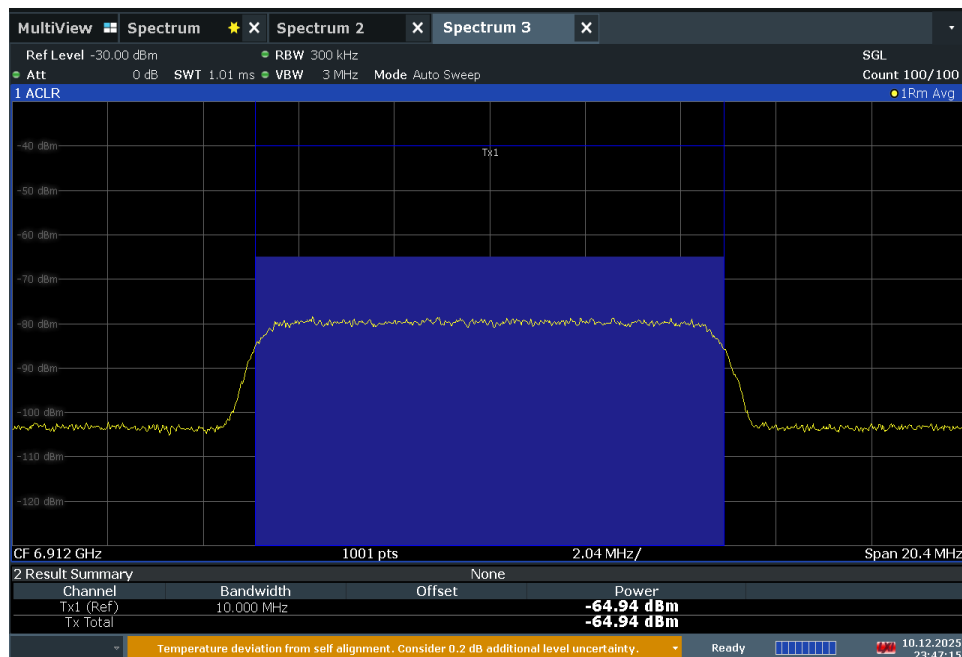


Plot 7-327. Channel Power – UNII 7 – 160MHz - High

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 112 of 195

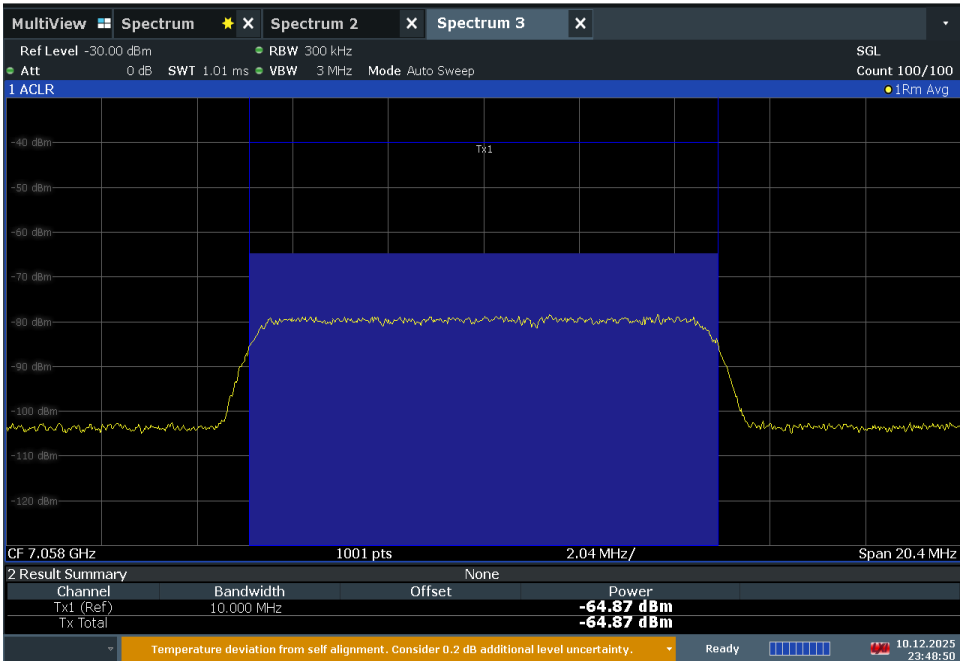


Plot 7-328. Channel Power – UNII 8 – 20MHz

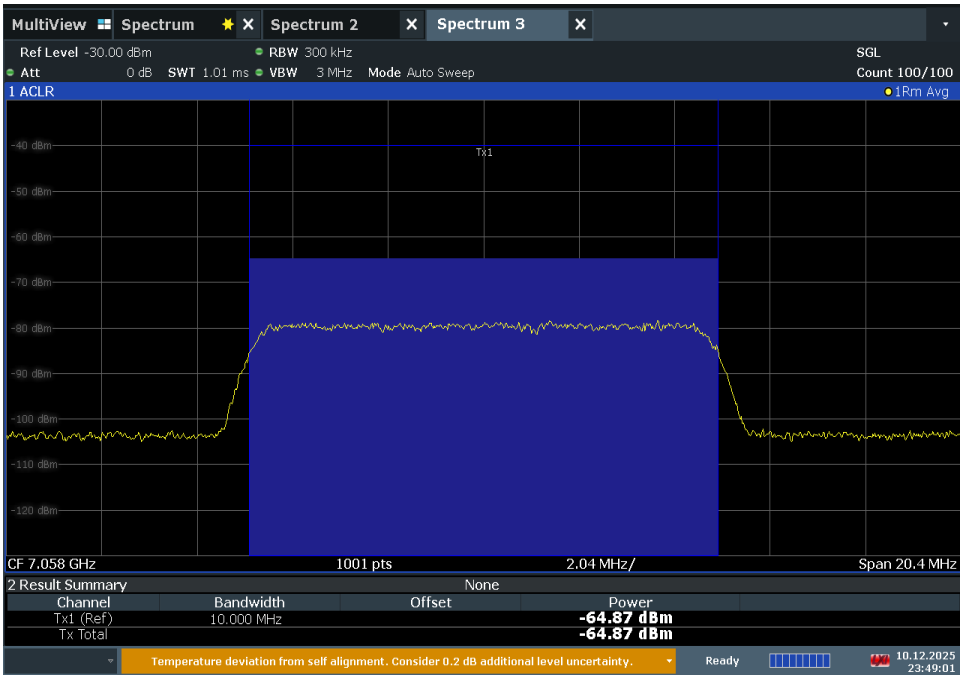


Plot 7-329. Channel Power – UNII 8 – 160MHz - Low

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 113 of 195



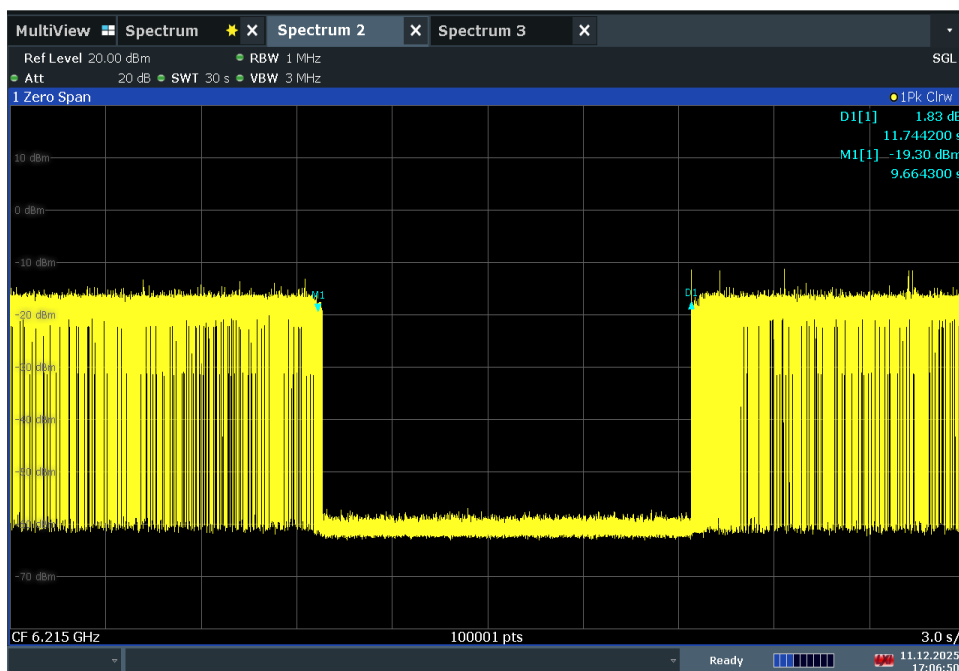
Plot 7-330. Channel Power – UNII 8 – 160MHz - Mid



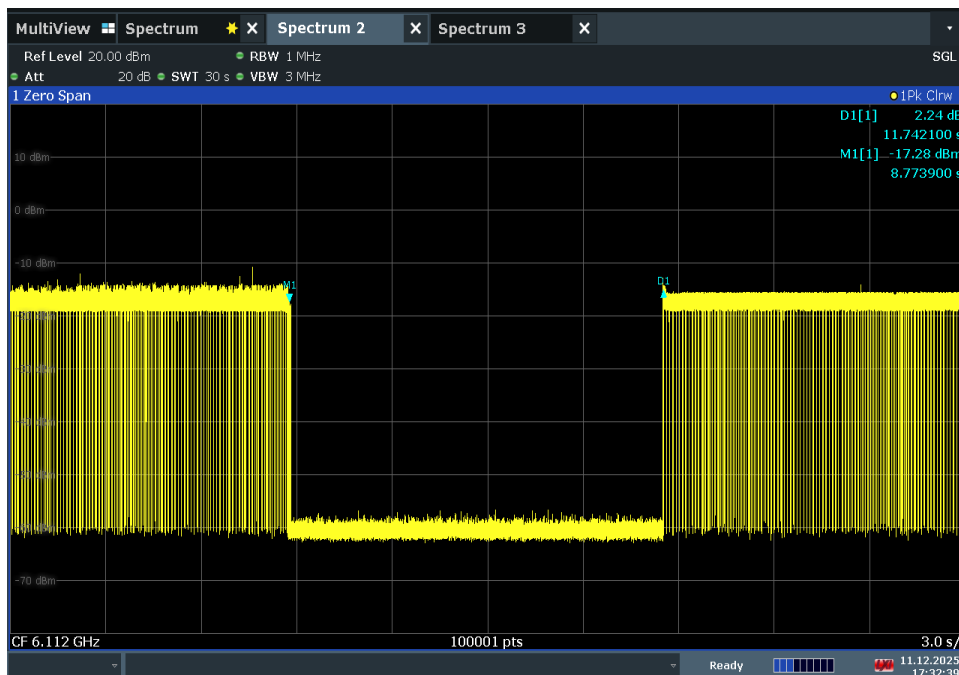
Plot 7-331. Channel Power – UNII 8 – 160MHz - High

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 114 of 195

Contention-Based Protocol Timing Plots

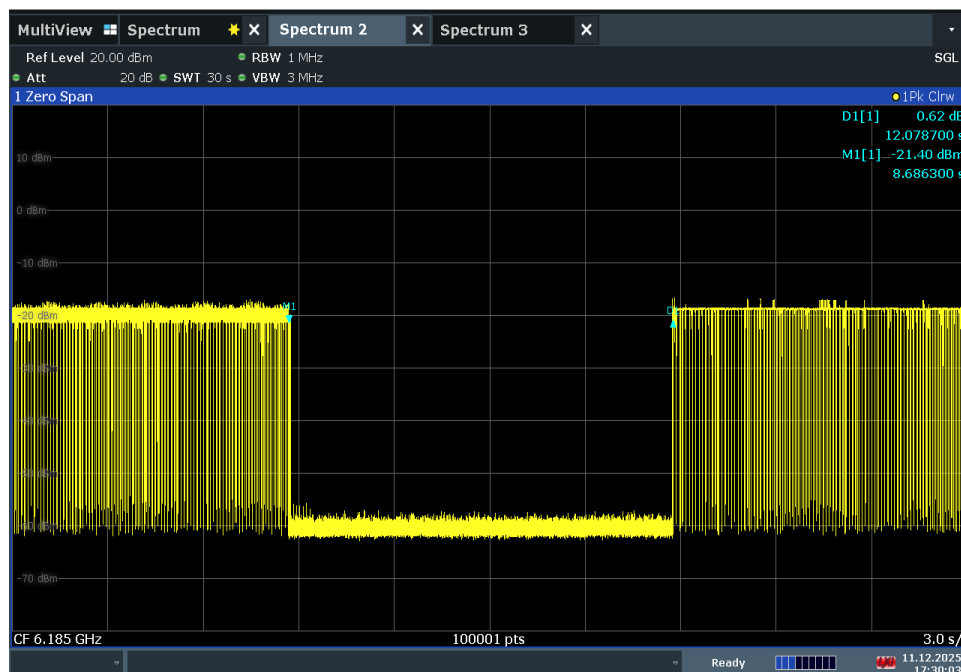


Plot 7-332. Contention Based Protocol Timing Plot – UNII 5 – 20MHz Channel 53

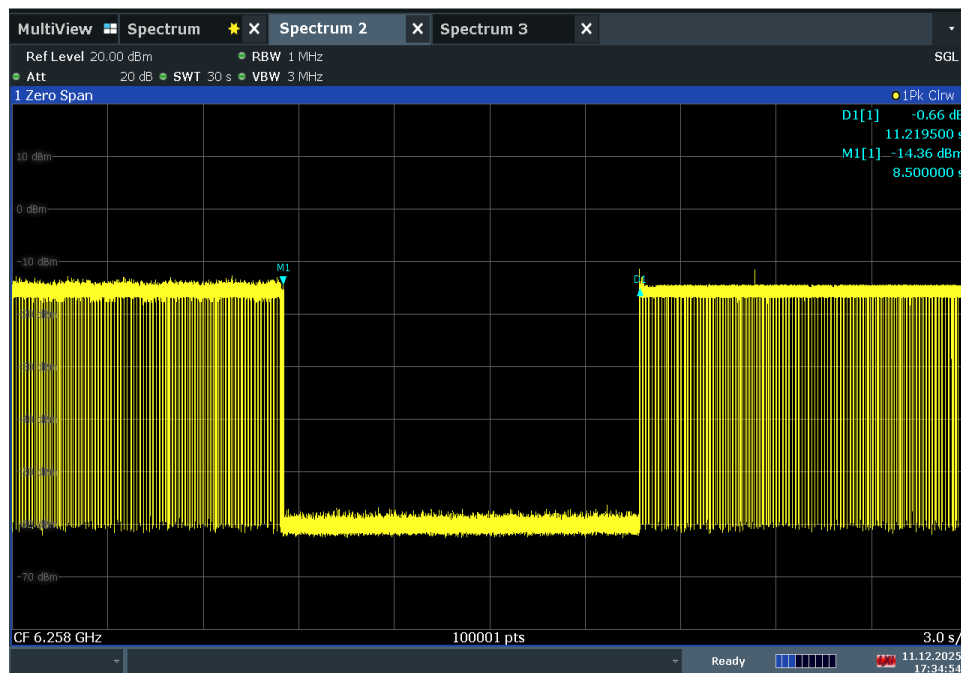


Plot 7-333. Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – Low

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 115 of 195



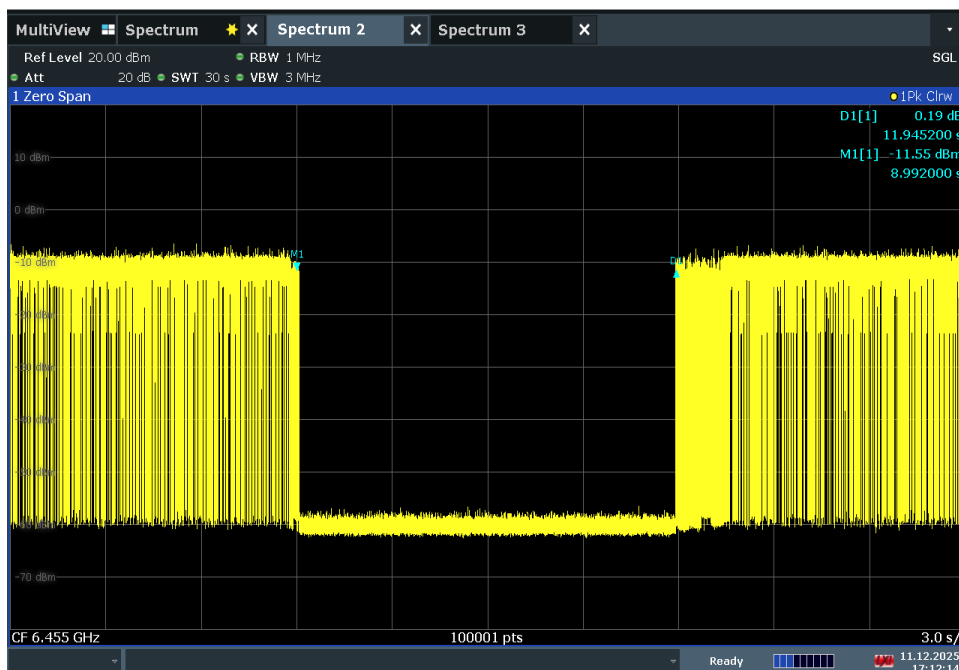
Plot 7-334. Contention Based Protocol Timing Plot –UNII 5 – 160MHz Channel 47 – Mid



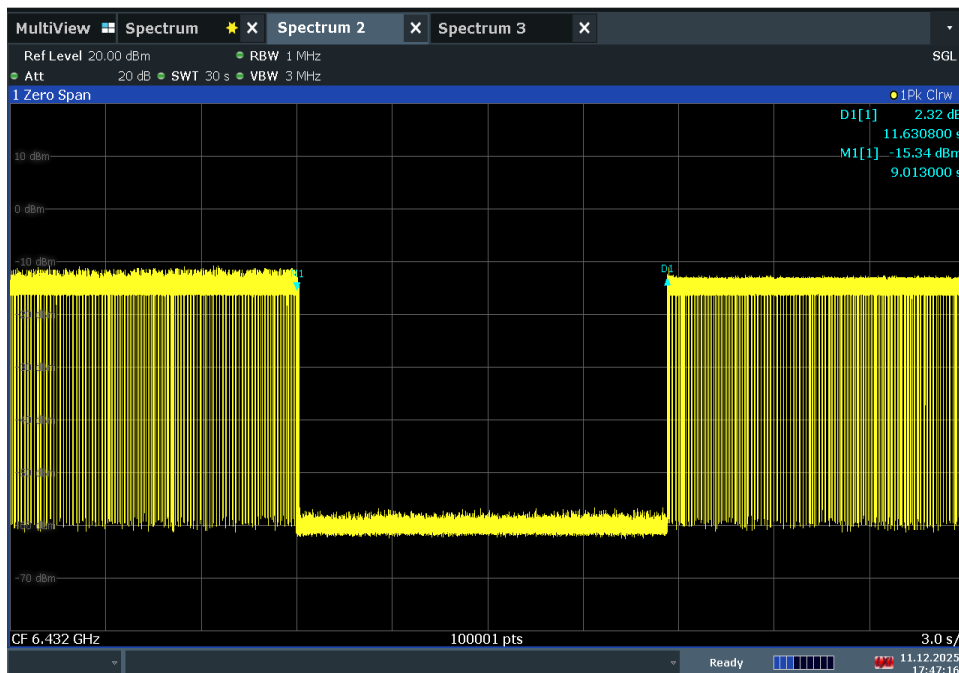
Plot 7-335. Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – High

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 116 of 195

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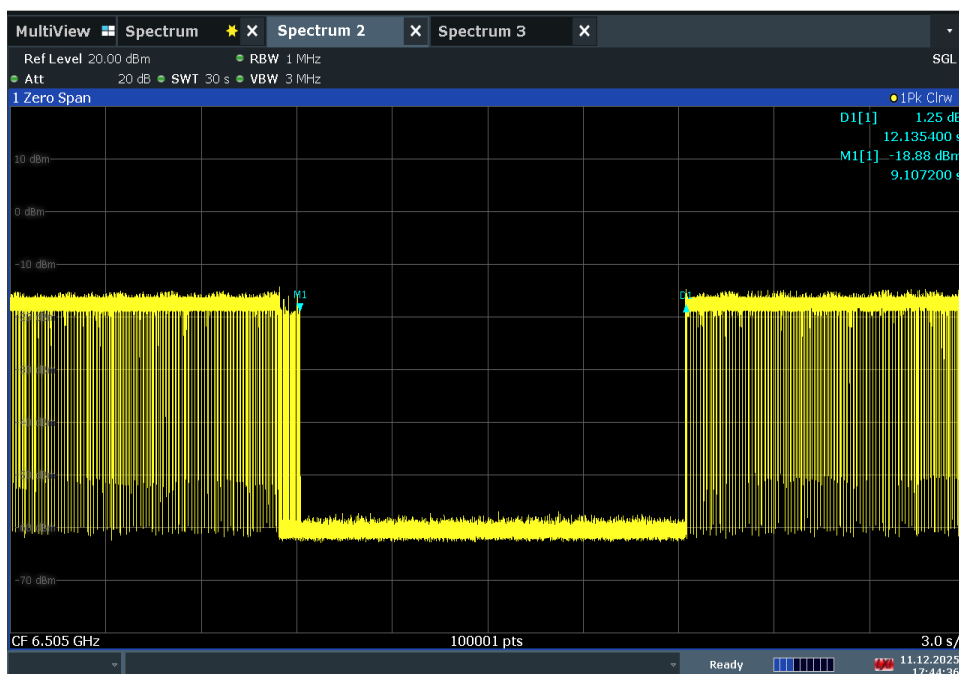
Plot 7-336. Contention Based Protocol Timing Plot – UNII 6 – 20MHz Channel 101



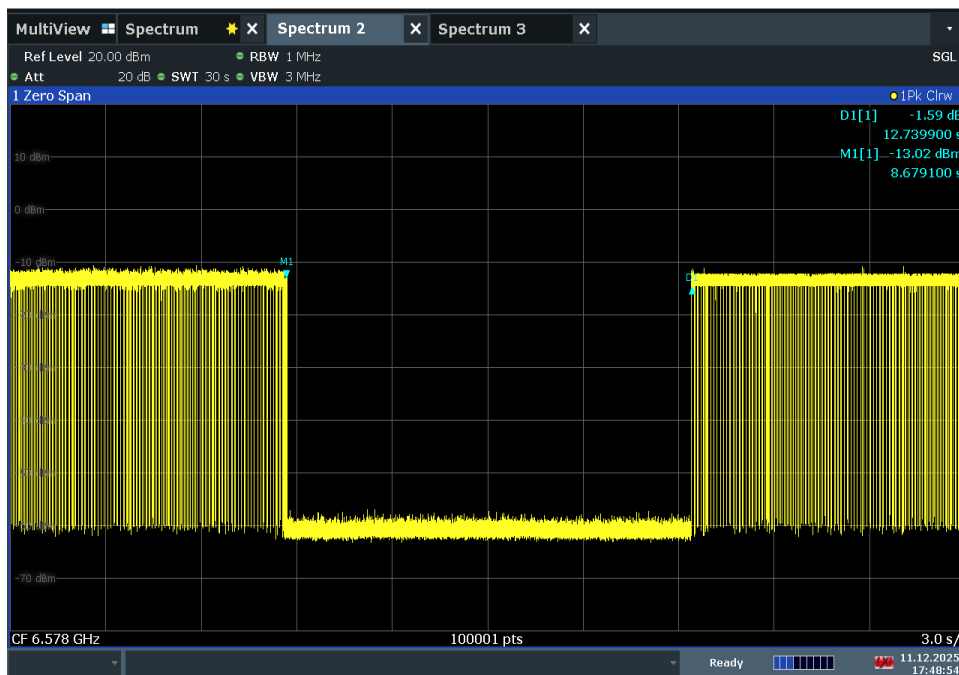
Plot 7-337. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – Low

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 117 of 195

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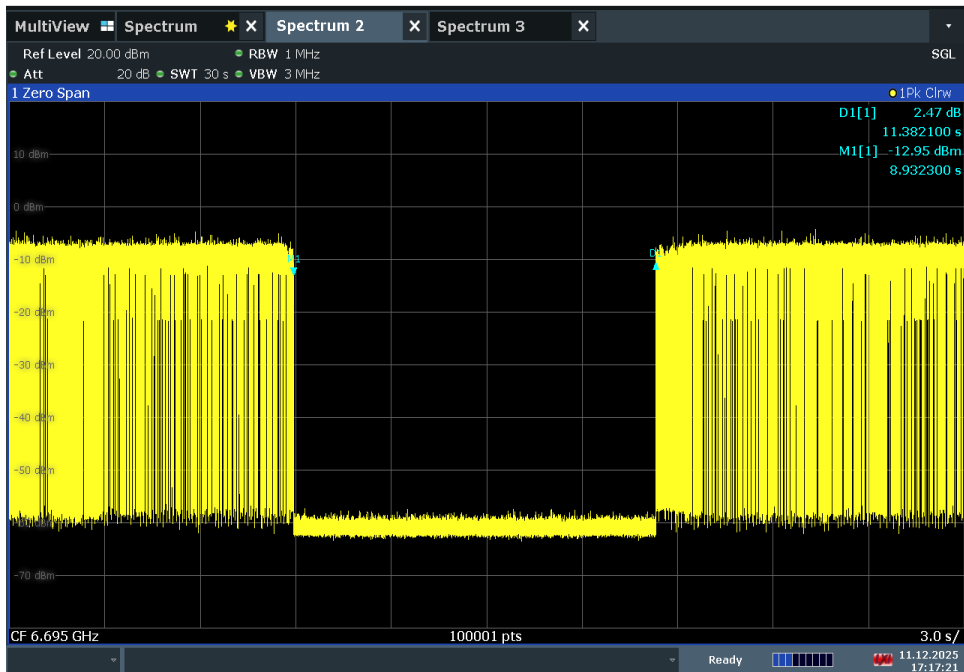
Plot 7-338. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – Mid



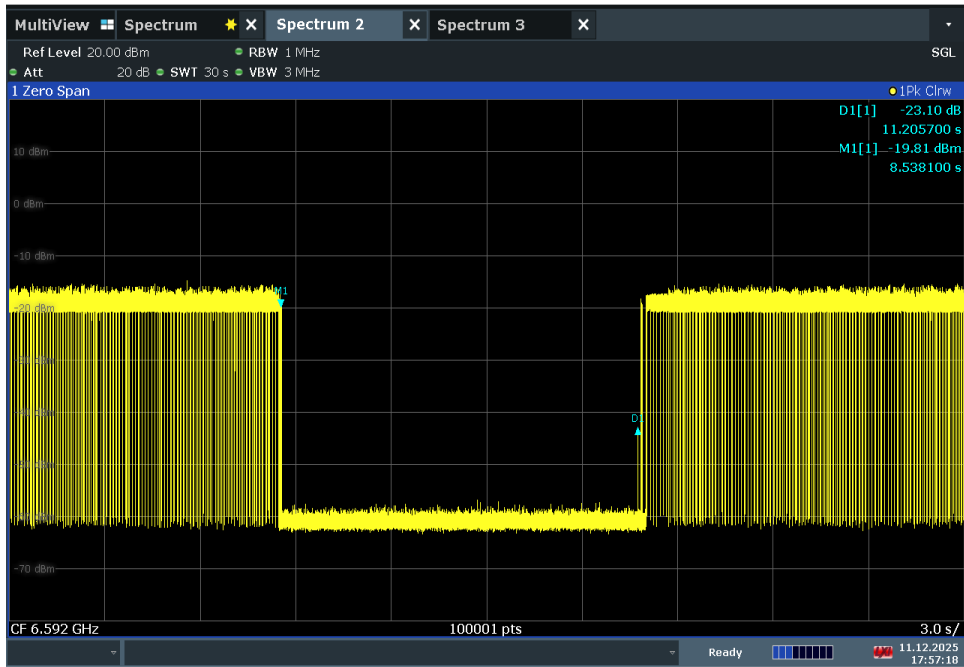
Plot 7-339. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – High

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 118 of 195

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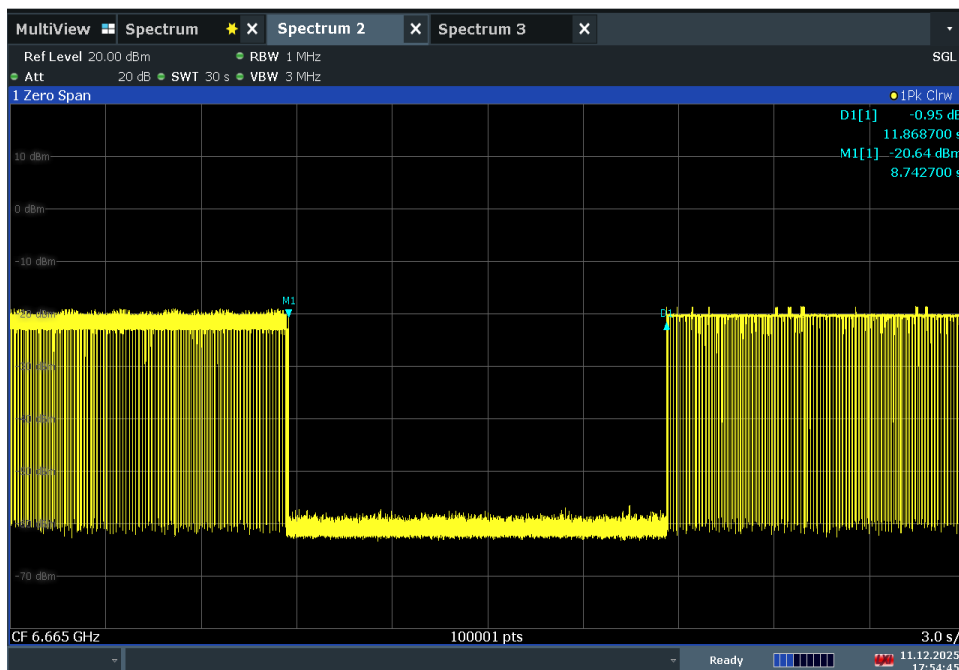


Plot 7-340. Contention Based Protocol Timing Plot – UNII 7 – 20MHz Channel 149

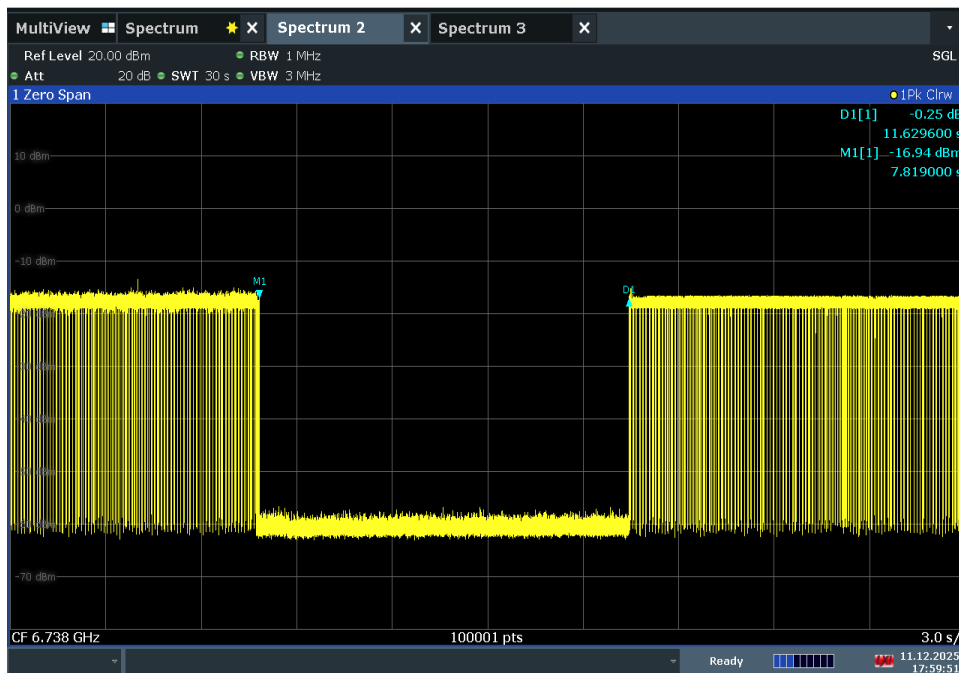


Plot 7-341. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Low

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 119 of 195



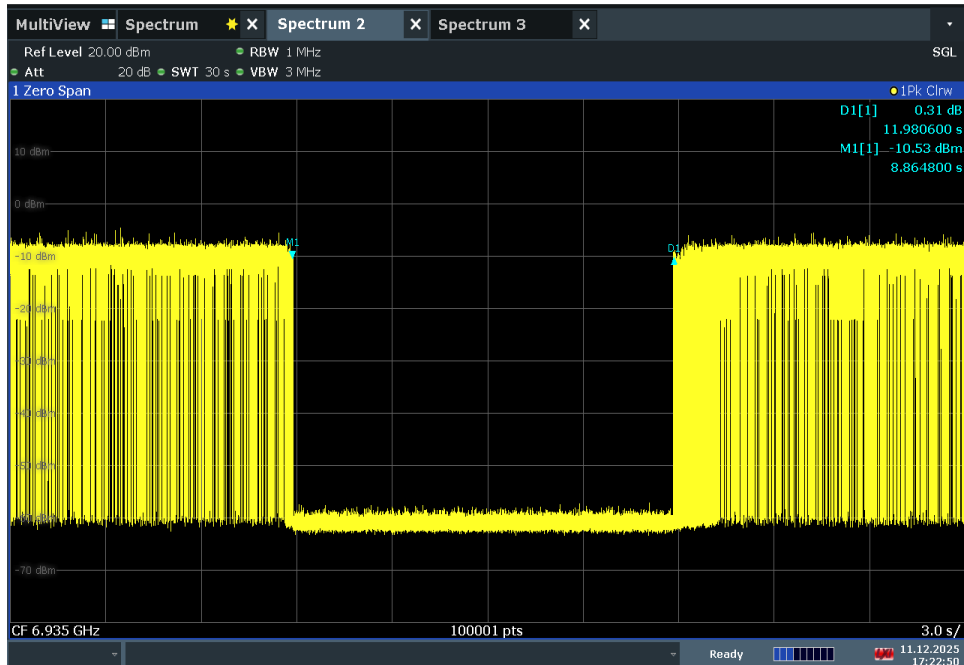
Plot 7-342. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Mid



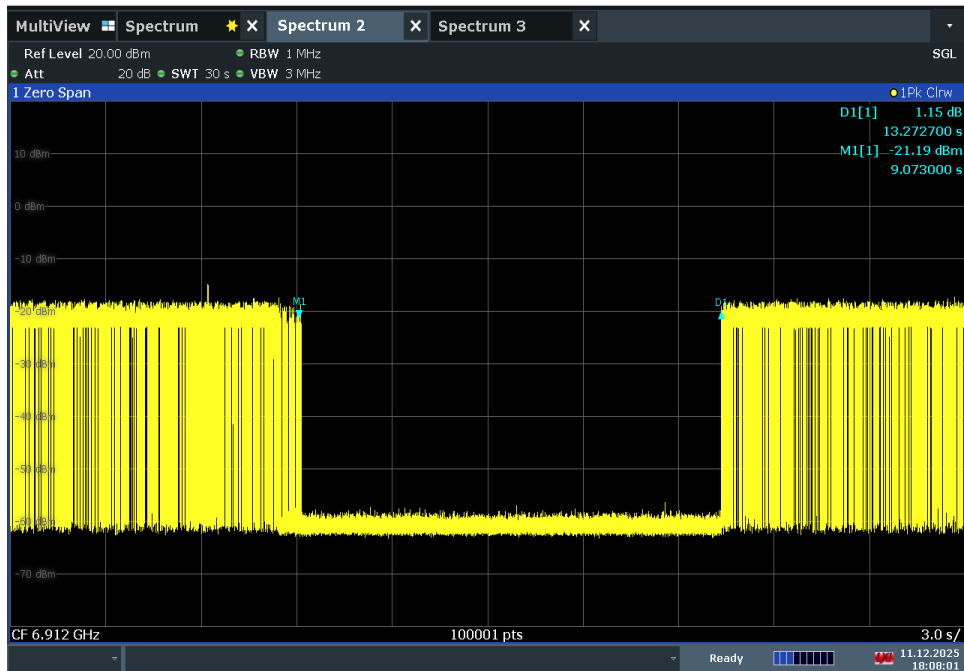
Plot 7-343. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – High

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 120 of 195

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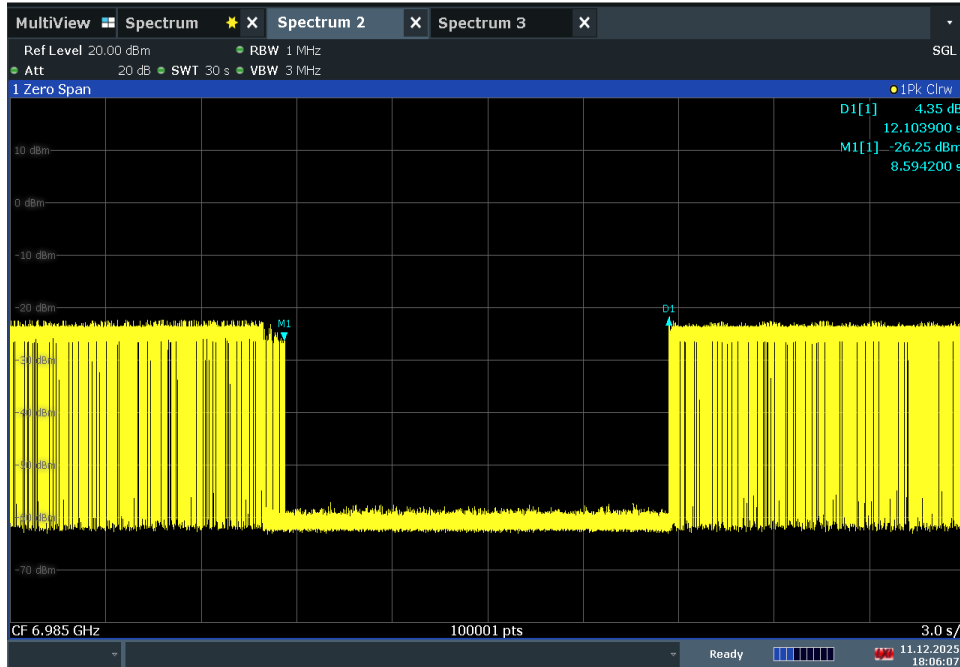


Plot 7-344. Contention Based Protocol Timing Plot – UNII 8 – 20MHz Channel 197

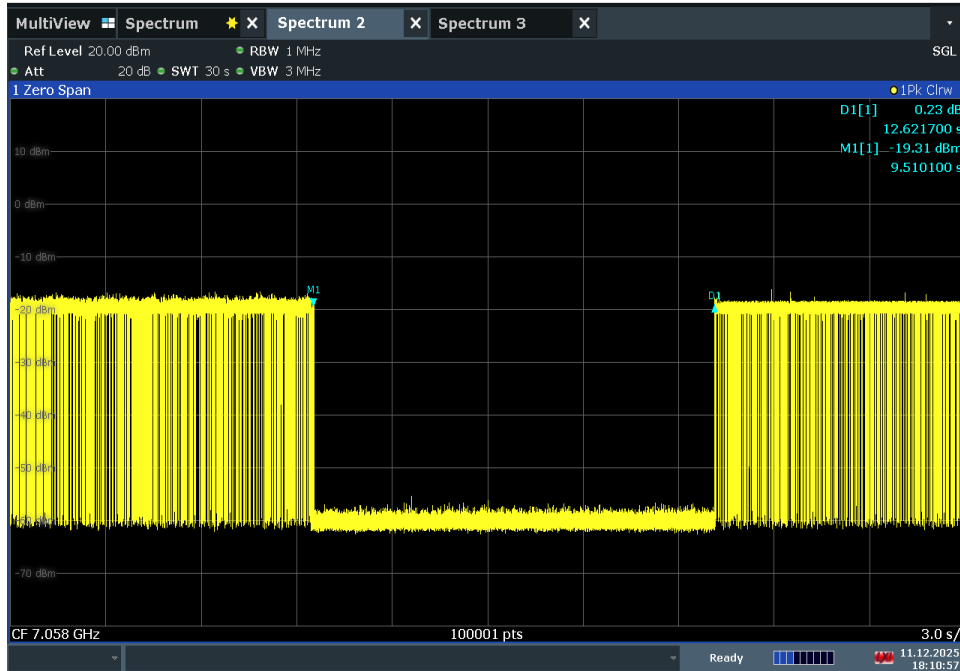


Plot 7-345. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – Low

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 121 of 195



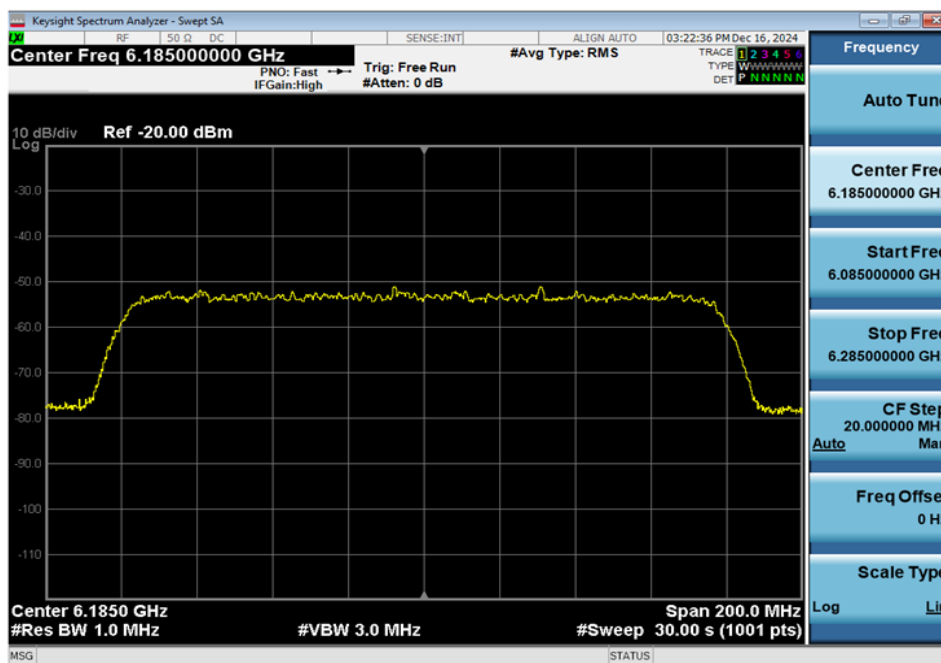
Plot 7-346. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – Mid



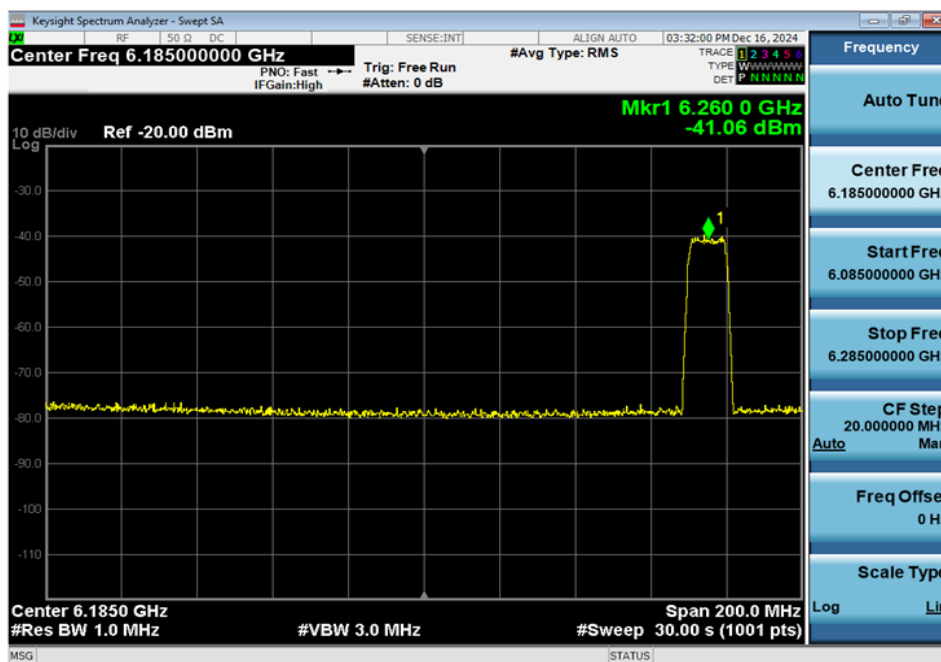
Plot 7-347. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – High

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 122 of 195

CBP Bandwidth Reduction Plots

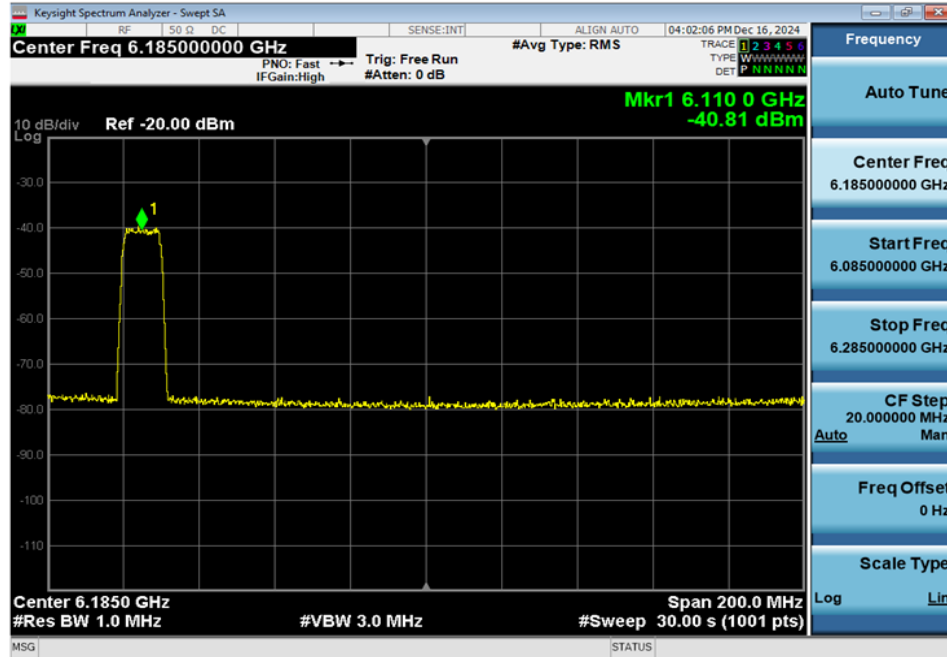


Plot 7-348. 160MHz Bandwidth, Before AWGN Signal Injected – Channel 47

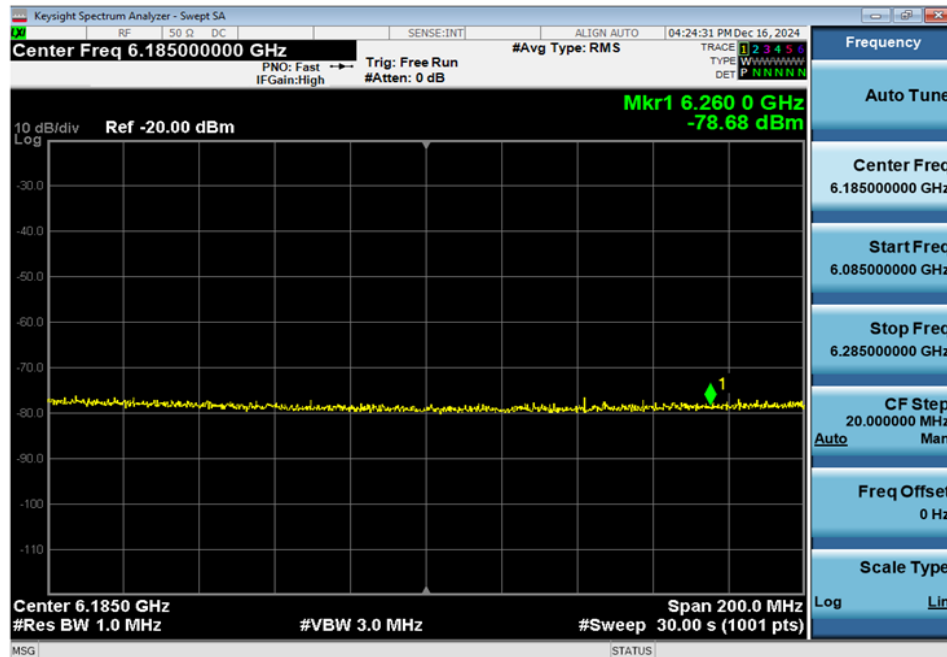


Plot 7-349. 160MHz Bandwidth, AWGN Signal Injected at Low End – Channel 47

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 123 of 195



Plot 7-350. 160MHz Bandwidth, AWGN Signal Injected at Center – Channel 47



Plot 7-351. 160MHz Bandwidth, AWGN Signal Injected at High End – Channel 47

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 124 of 195

7.7 Radiated Spurious Emissions – Above 1GHz

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10:2020 + Cor. 1:2023 + C63.10A:2024 + Errata to C63.10A:2024 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. RU26, RU52, RU106, RU242, RU484, RU996 and RU996x2) and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.925-7.125 GHz band: All emissions outside of the 5.925-7.125 GHz band shall not exceed an EIRP of -27 dBm/MHz. Emissions found in a restricted band are subject to the limits of 15.209 and RSS-Gen (7.4.3) as shown in the table below.

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-36. Radiated Limits

Test Procedures Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10A:2024 + Errata to C63.10A:2024 – Sections 12.7.7, 12.7.6
KDB 789033 D02 v02r01 – Section G

Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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Test Setup

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

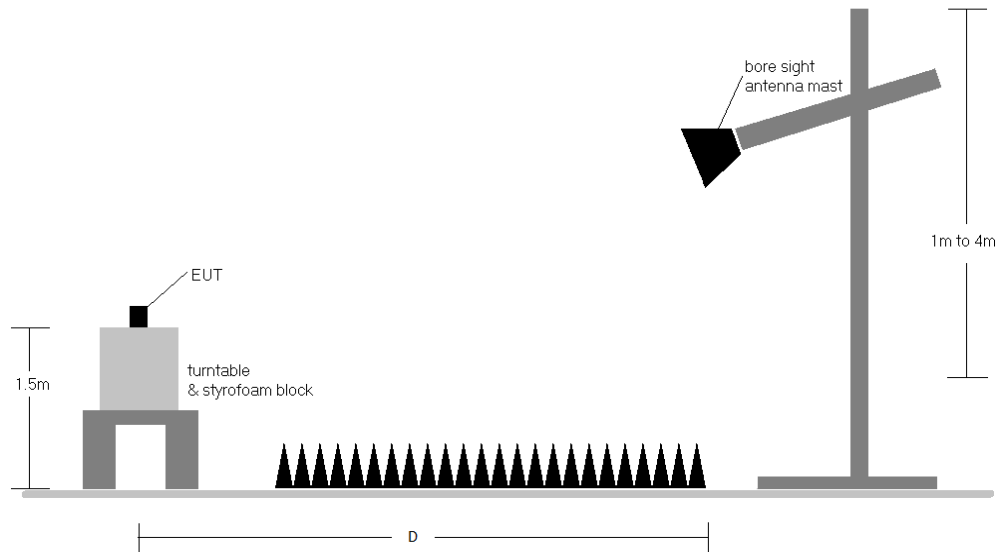


Figure 7-5. Test Instrument & Measurement Setup

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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Test Notes

1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and section 7.5 of RSS-Gen are below the limit shown in Table 7-36.
2. All spurious emissions lying in restricted bands specified in §15.205 and section 7.5 of RSS-Gen are below the limit shown in Table 7-36. All spurious emissions that do not lie in a restricted band are subject to a limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
5. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
7. All data rates were investigated and only the worse case is reported
8. The unit was tested with all possible modes and only the highest emission is reported.
9. The “-” shown in the following RSE tables are used to denote a noise floor measurement.
10. All radiated measurements were tested at the highest supported power setting per band.

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dB μ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] – Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [dB μ V/m] – Limit [dB μ V/m]

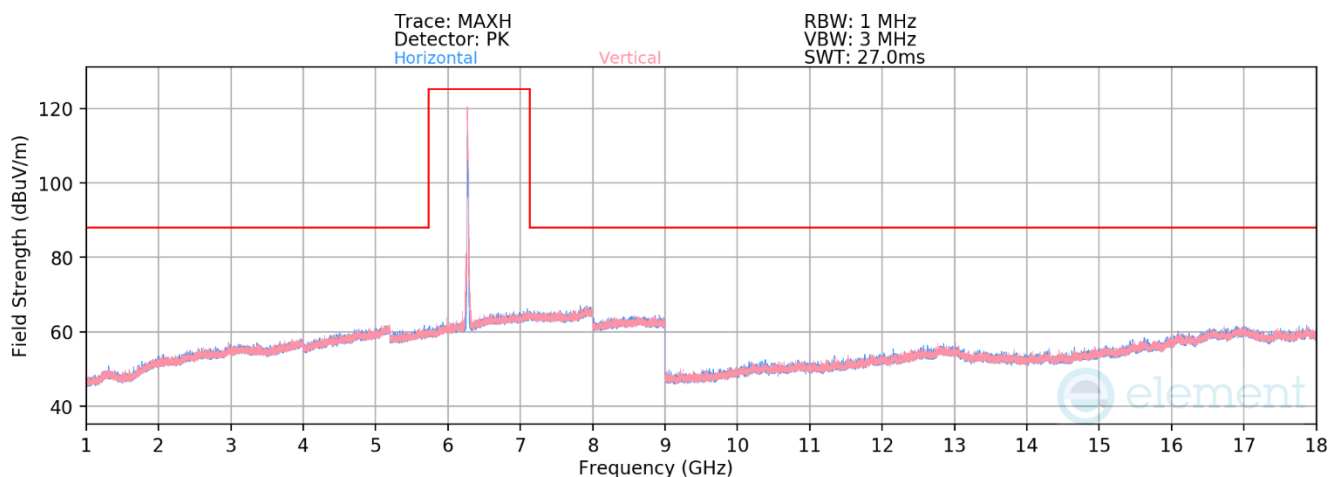
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.2 to 7.7.13 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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7.7.1 SDM Radiated Spurious Emission

RU106



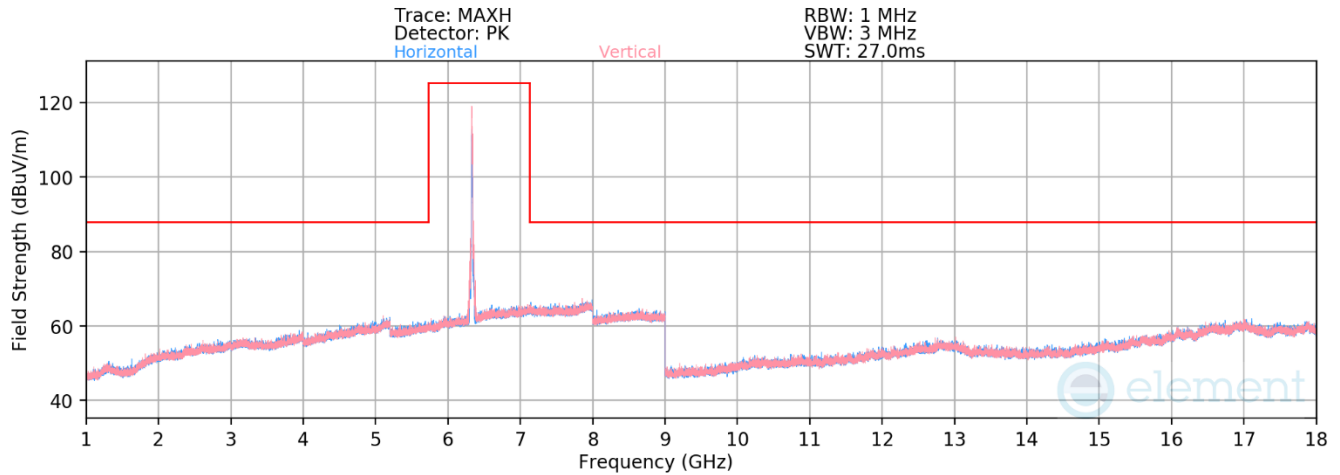
Plot 7-352. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 65)

Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6275MHz
Channel: 65

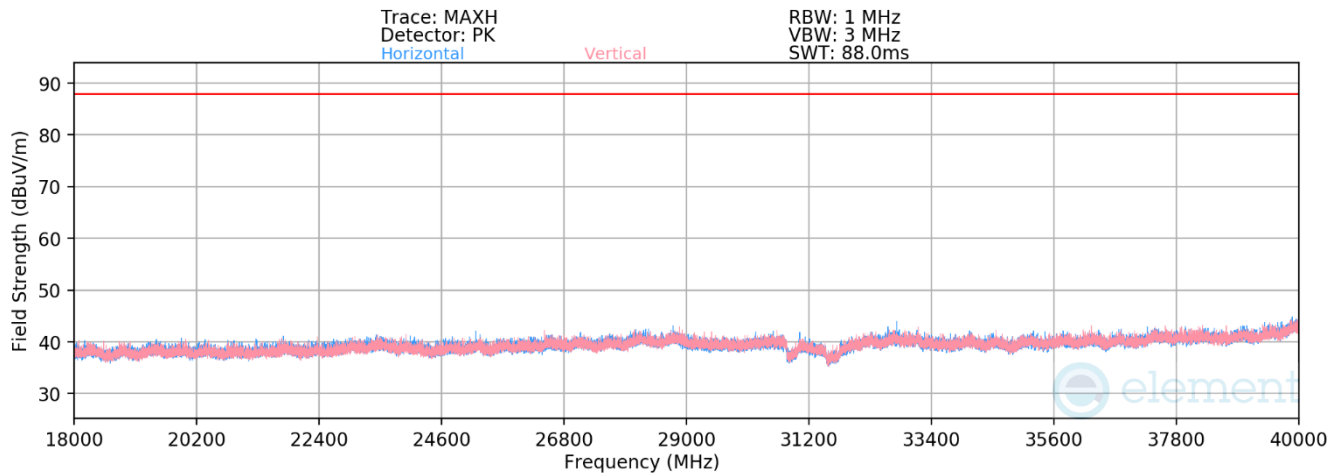
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 12550.00	Average	V	-	-	-84.71	20.98	43.27	53.98	-10.71
* 12550.00	Peak	V	-	-	-72.89	20.98	55.09	73.98	-18.89

Table 7-37. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 128 of 195



Plot 7-353. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 77)



Plot 7-354. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 77)

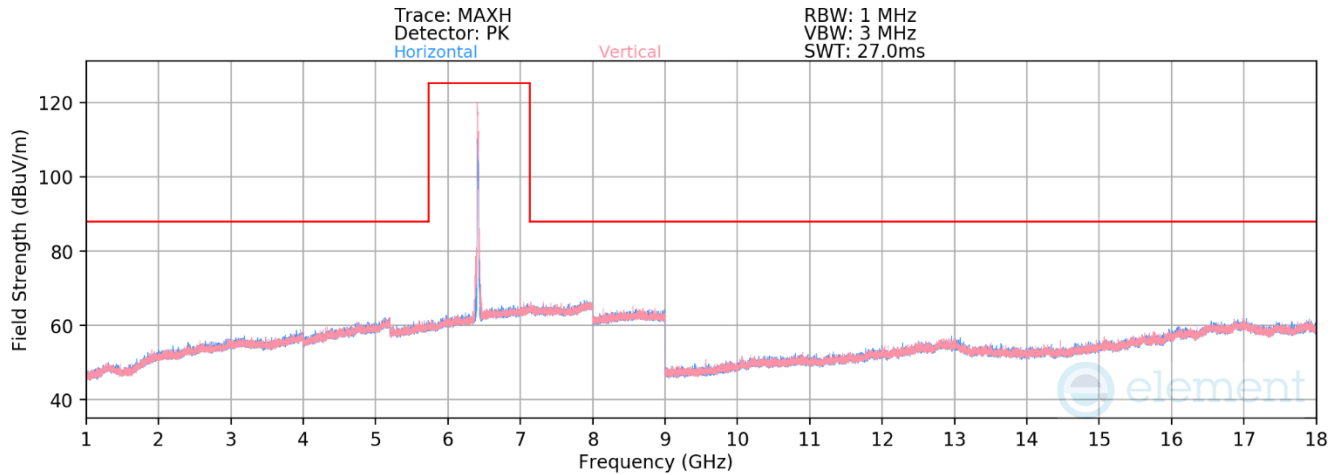
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6335MHz
 Channel: 77

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 12670.00	Average	V	-	-	-85.02	21.45	0.00	43.43	53.98	-10.55
* 12670.00	Peak	V	-	-	-73.85	21.45	0.00	54.60	73.98	-19.38
* 19005.00	Average	V	-	-	-62.01	-5.96	-9.54	29.49	53.98	-24.49
* 19005.00	Peak	V	-	-	-49.06	-5.96	-9.54	42.44	73.98	-31.54
25340.00	Average	V	-	-	-61.85	-5.57	-9.54	30.04	68.23	-38.19
25340.00	Peak	V	-	-	-50.64	-5.57	-9.54	41.25	88.23	-46.98
* 31675.00	Average	V	-	-	-64.67	-3.63	-9.54	29.16	53.98	-24.82
* 31675.00	Peak	V	-	-	-52.24	-3.63	-9.54	41.59	73.98	-32.39

Table 7-38. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 130 of 195



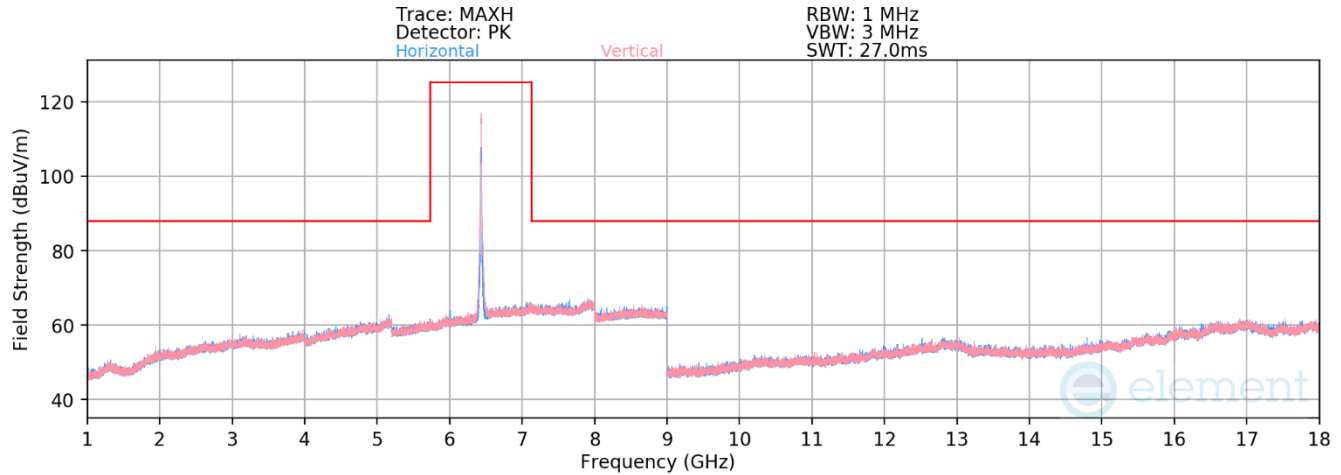
Plot 7-355. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 93)

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 12830.00	Average	V	-	-	-84.59	22.26	44.67	53.98	-9.31
* 12830.00	Peak	V	-	-	-73.95	22.26	55.30	73.98	-18.68

Table 7-39. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
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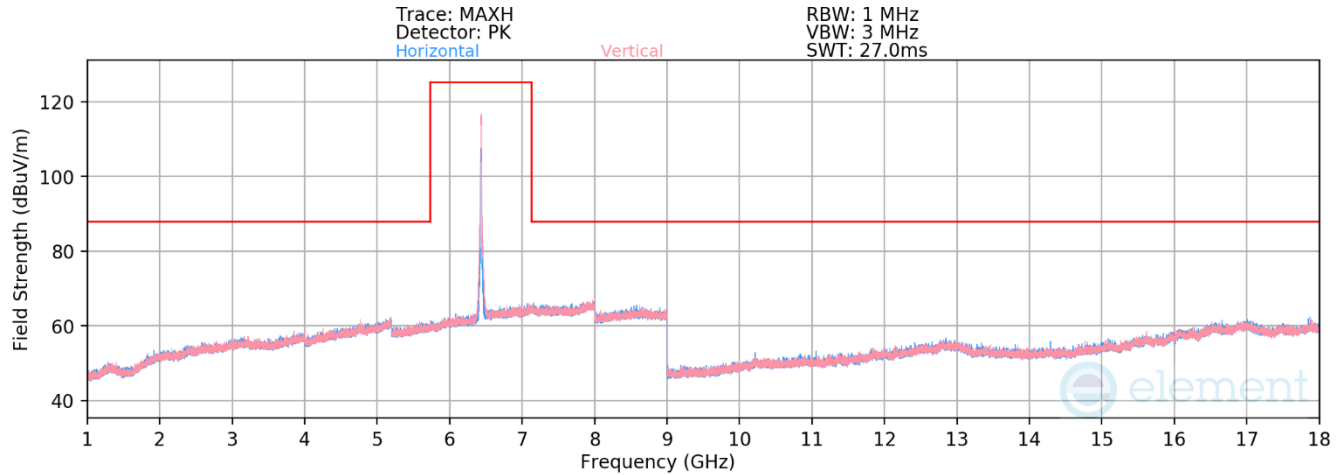
Plot 7-356. Radiated Spurious Emissions above 1GHz SDM (802.11ax – Ch. 97)

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

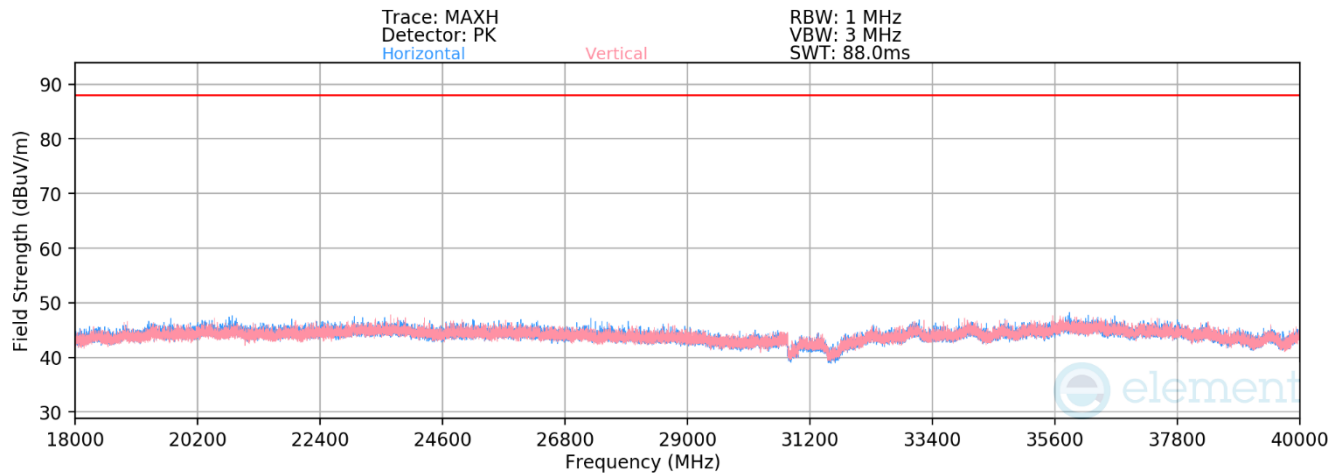
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
12870.00	Average	V	-	-	-84.66	21.66	44.00	68.23	-24.23
12870.00	Peak	V	-	-	-73.13	21.66	55.53	88.23	-32.70

Table 7-40. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 132 of 195



Plot 7-357. Radiated Spurious Emissions above 1GHz SDM (802.11ax – Ch. 105)



Plot 7-358. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 105)

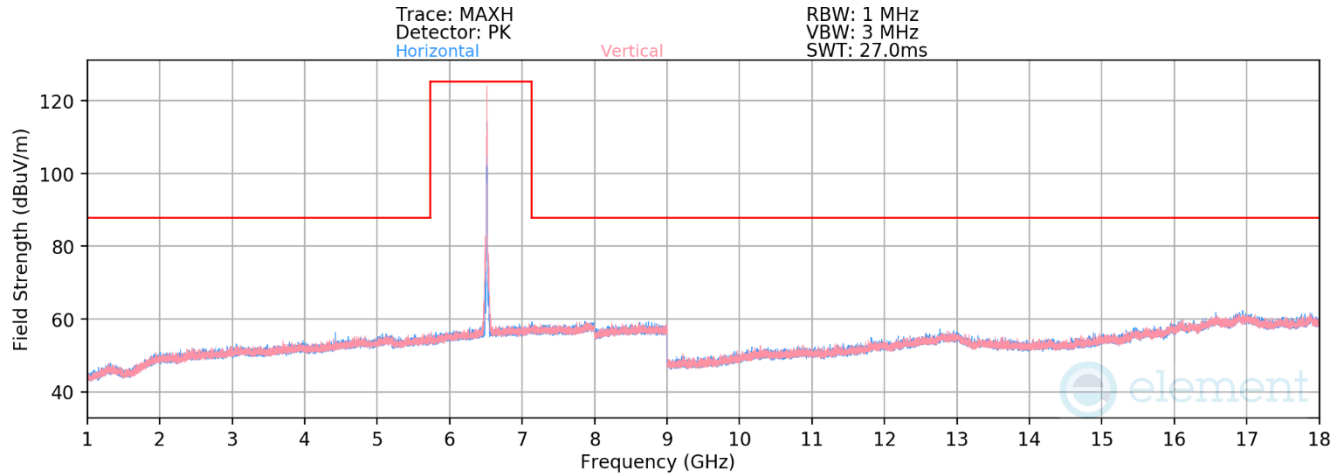
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 133 of 195

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
12950.00	Average	V	-	-	-84.65	21.66	0.00	44.01	68.23	-24.22
12950.00	Peak	V	-	-	-72.99	21.66	0.00	55.67	88.23	-32.56
* 19425.00	Average	V	-	-	-61.52	-5.96	-9.54	29.98	53.98	-24.00
* 19425.00	Peak	V	-	-	-50.24	-5.96	-9.54	41.26	73.98	-32.72
25900.00	Average	V	-	-	-62.24	-5.57	-9.54	29.64	68.23	-38.59
25900.00	Peak	V	-	-	-50.55	-5.57	-9.54	41.34	88.23	-46.89
32375.00	Average	V	-	-	-62.49	-3.63	-9.54	31.34	68.23	-36.89
32375.00	Peak	V	-	-	-51.19	-3.63	-9.54	42.64	88.23	-45.59

Table 7-41. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 134 of 195	



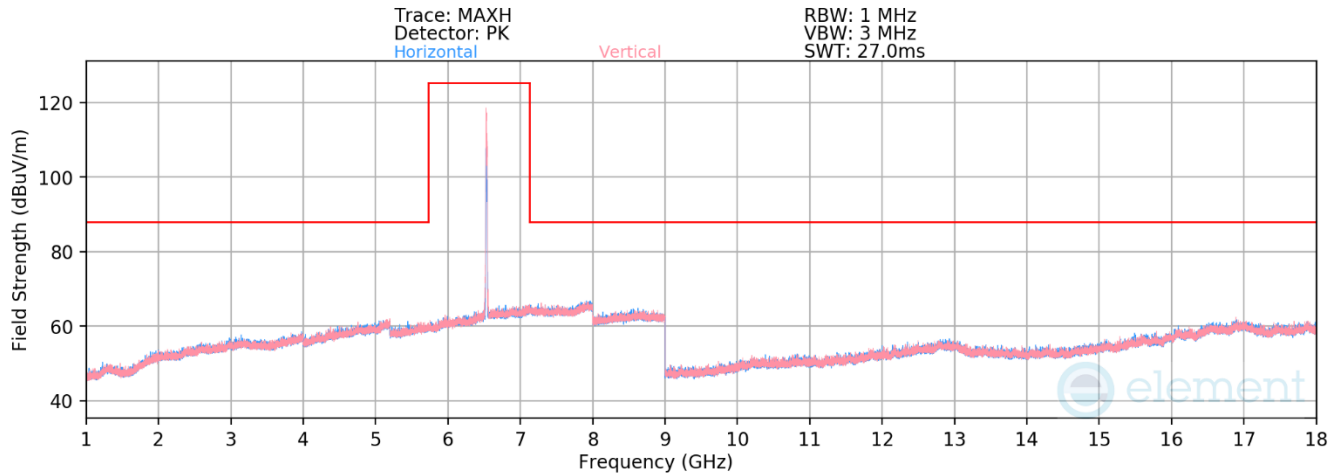
Plot 7-359. Radiated Spurious Emissions above 1GHz SDM (802.11ax – Ch. 113)

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13030.00	Average	V	-	-	-84.41	22.36	44.94	68.23	-23.29
13030.00	Peak	V	-	-	-73.75	22.36	55.61	88.23	-32.62

Table 7-42. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 135 of 195



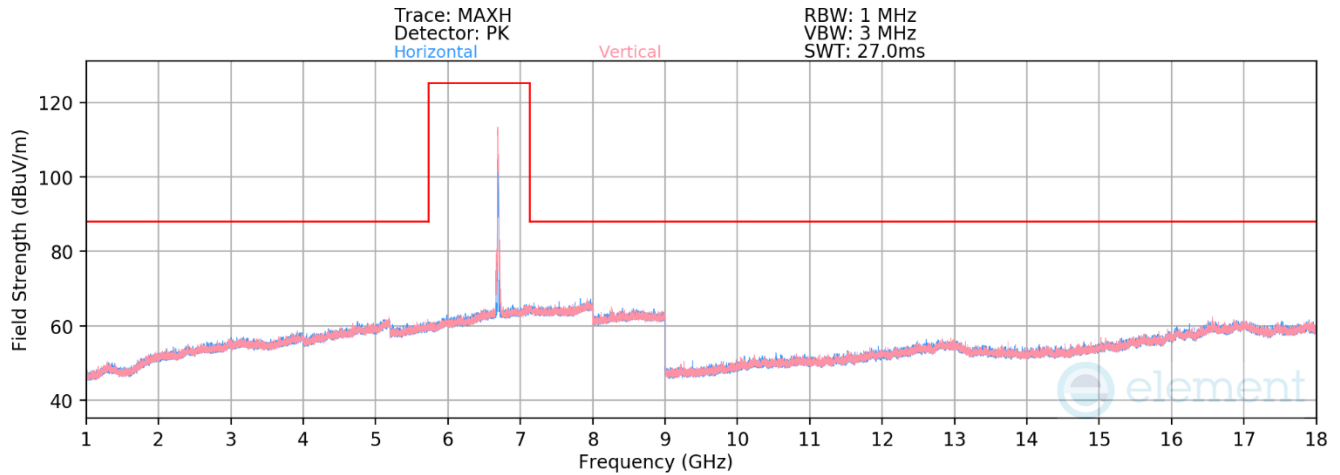
Plot 7-360. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 117)

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

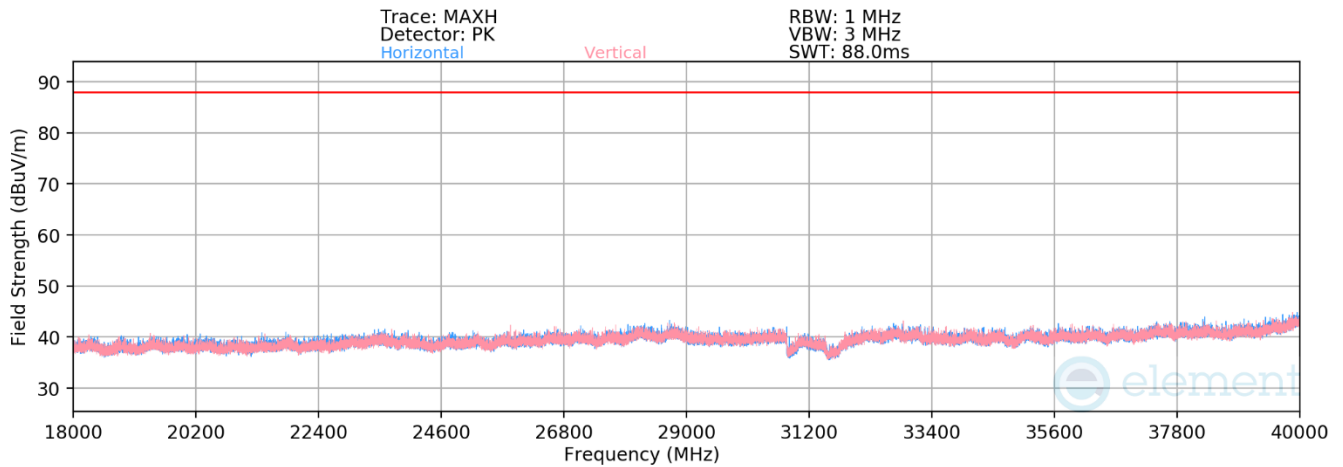
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13070.00	Average	V	-	-	-85.52	22.15	43.63	68.23	-24.60
13070.00	Peak	V	-	-	-73.72	22.15	55.43	88.23	-32.80

Table 7-43. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 136 of 195



Plot 7-361. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 149)



Plot 7-362. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 149)

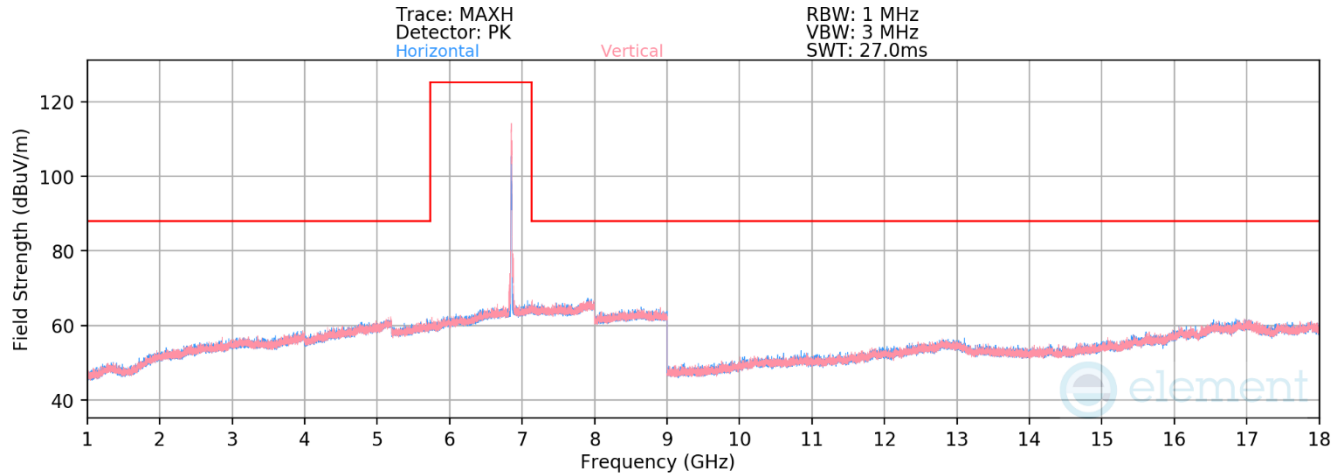
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 137 of 195

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 13390.00	Average	V	-	-	-85.68	21.77	0.00	43.09	53.98	-10.89
* 13390.00	Peak	V	-	-	-72.90	21.99	0.00	56.09	73.98	-17.89
* 20085.00	Average	V	-	-	-61.89	-6.33	-9.54	29.24	53.98	-24.74
* 20085.00	Peak	V	-	-	-50.26	-6.33	-9.54	40.87	73.98	-33.11
26780.00	Average	V	-	-	-62.32	-4.68	-9.54	30.46	68.23	-37.77
26780.00	Peak	V	-	-	-51.28	-4.68	-9.54	41.49	88.23	-46.74
33475.00	Average	V	-	-	-61.90	-4.37	-9.54	31.19	68.23	-37.04
33475.00	Peak	V	-	-	-50.35	-4.37	-9.54	42.74	88.23	-45.49

Table 7-44. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 138 of 195



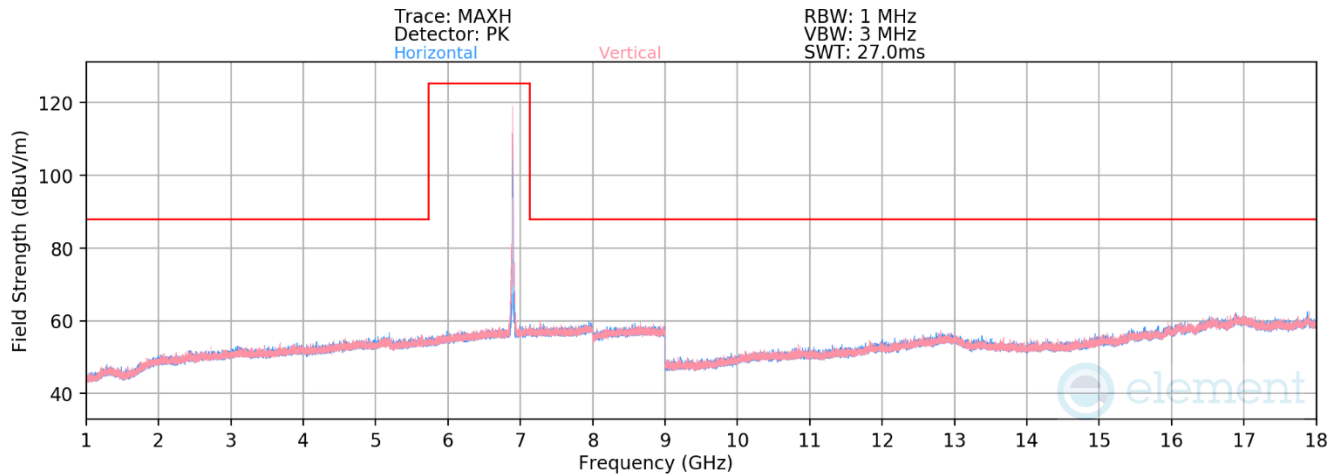
Plot 7-363. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 185)

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13750.00	Average	V	-	-	-85.86	22.25	43.39	68.23	-24.84
13750.00	Peak	V	-	-	-74.43	22.25	54.81	88.23	-33.42

Table 7-45. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 139 of 195



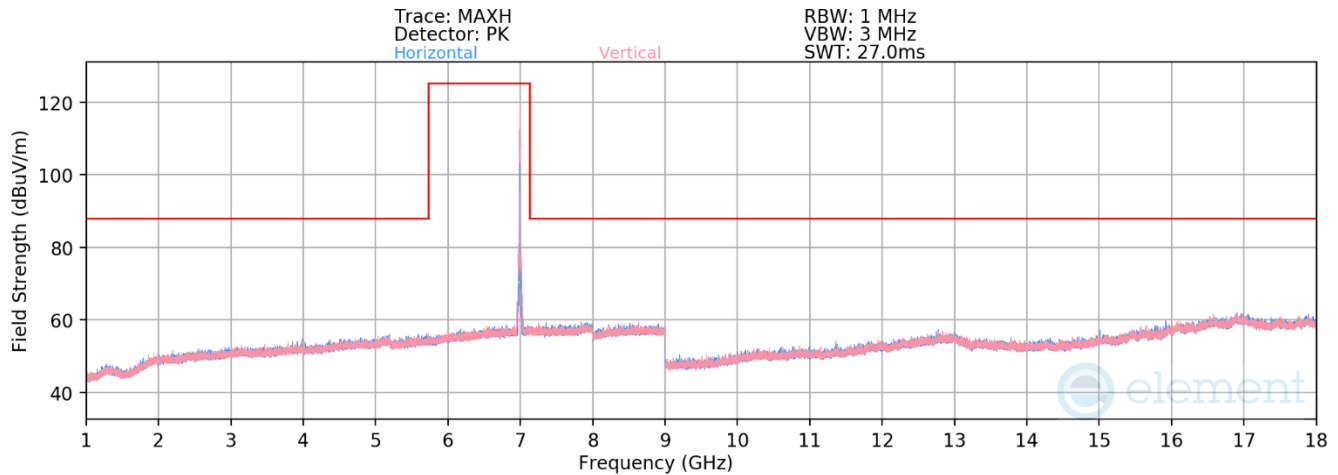
Plot 7-364. Radiated Spurious Emissions above 1GHz SDM (802.11ax – Ch. 189)

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

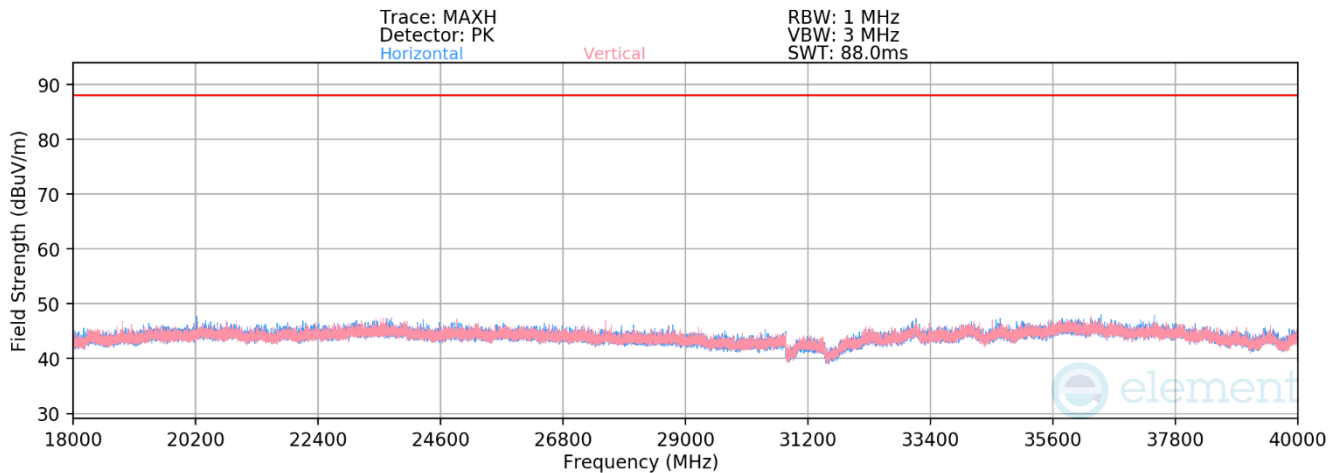
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13790.00	Average	H	-	-	-85.83	21.80	42.97	68.23	-25.26
13790.00	Peak	H	-	-	-74.63	21.80	54.18	88.23	-34.05

Table 7-46. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 140 of 195



Plot 7-365. Radiated Spurious Emissions above 1GHz SDM (802.11ax – Ch. 209)



Plot 7-366. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 209)

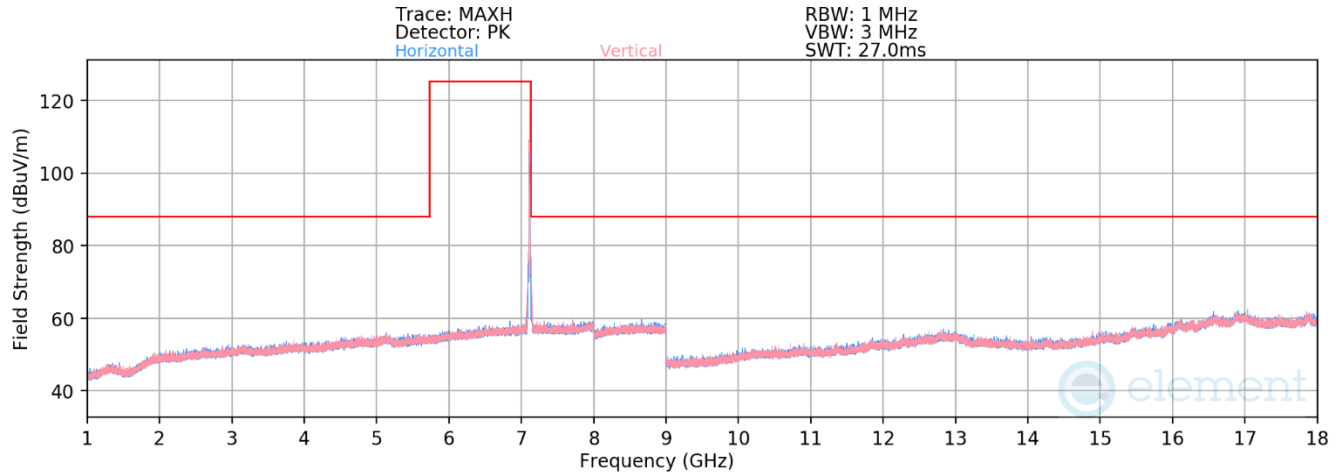
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 141 of 195

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13990.00	Average	H	-	-	-86.50	22.05	0.00	42.55	68.23	-25.68
13990.00	Peak	H	-	-	-74.45	22.05	0.00	54.60	88.23	-33.63
* 20985.00	Average	H	-	-	-61.72	-6.41	-9.54	29.33	53.98	-24.65
* 20985.00	Peak	H	-	-	-50.34	-6.41	-9.54	40.71	73.98	-33.27
27980.00	Average	H	-	-	-63.10	-3.89	-9.54	30.47	68.23	-37.76
27980.00	Peak	H	-	-	-51.59	-3.89	-9.54	41.98	88.23	-46.25
34975.00	Average	H	-	-	-61.76	-4.82	-9.54	30.88	68.23	-37.35
34975.00	Peak	H	-	-	-50.60	-4.82	-9.54	42.03	88.23	-46.20

Table 7-47. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 142 of 195	



Plot 7-367. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 229)

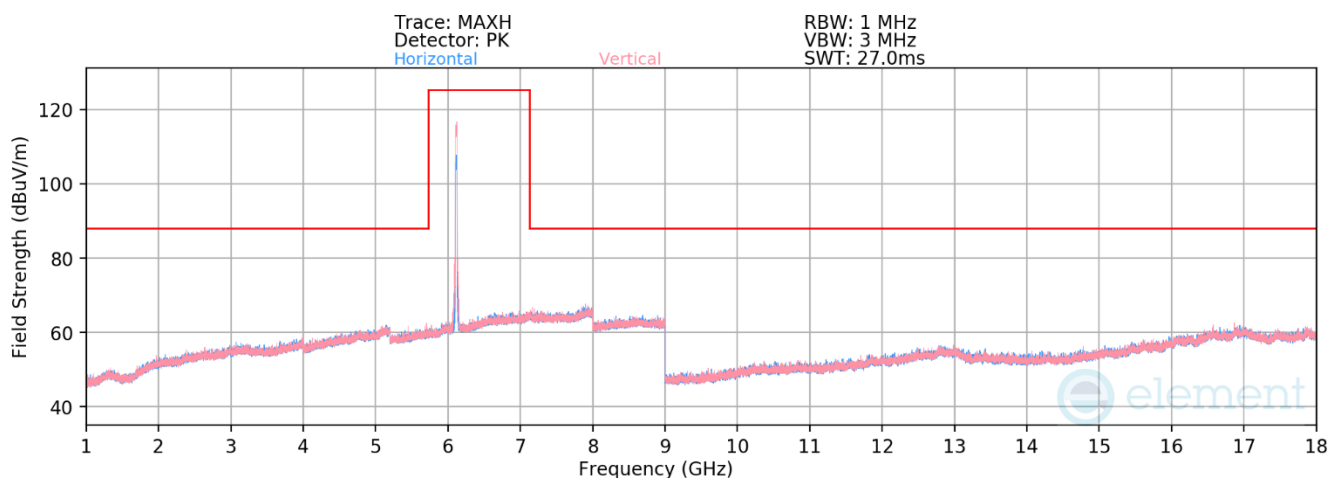
Mode:	802.11ax
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	7095MHz
Channel:	229

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
14190.00	Average	V	-	-	-86.49	22.75	43.27	68.23	-24.96
14190.00	Peak	V	-	-	-75.11	22.75	54.64	88.23	-33.59

Table 7-48. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 143 of 195

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Plot 7-368. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 33)

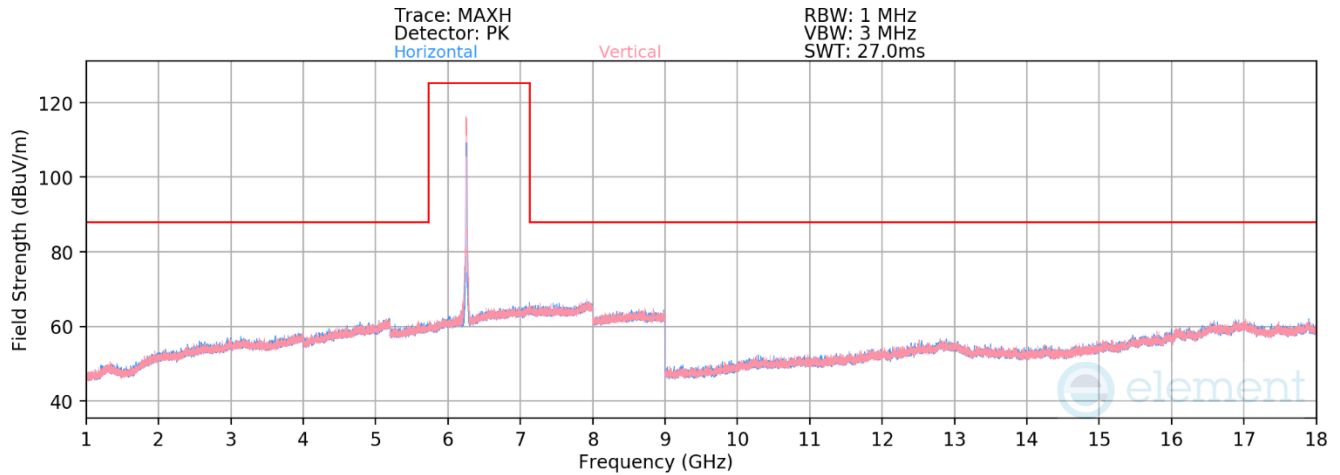
Mode: 802.11ax
Data Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 6115MHz
Channel: 33

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	12230.00	Average	V	-	-	-85.47	20.62	42.14	53.98	-11.84
*	12230.00	Peak	V	-	-	-74.29	20.62	53.33	73.98	-20.65

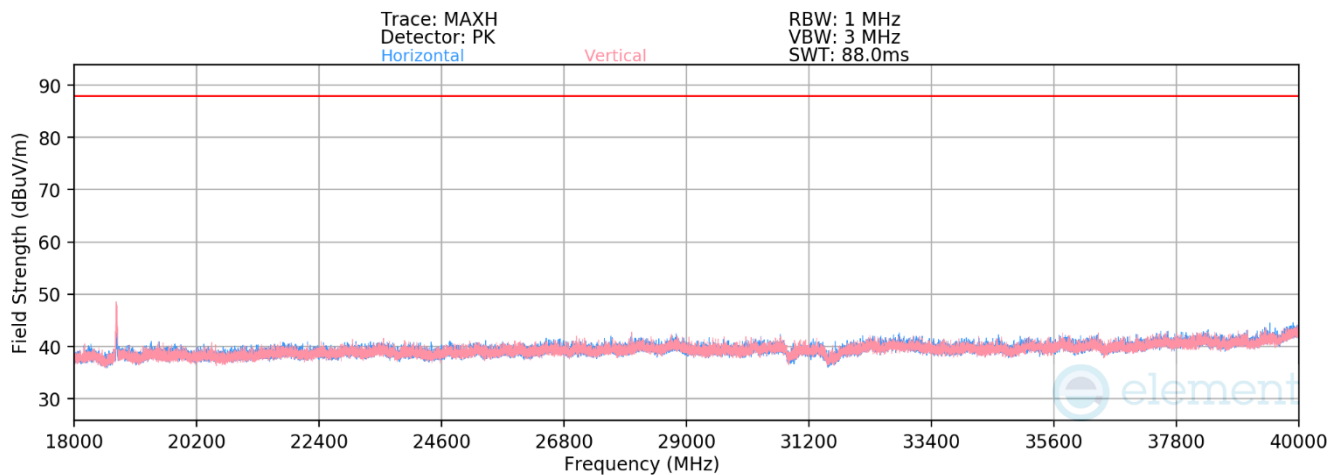
Table 7-49. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 144 of 195

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Plot 7-369. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 61)



Plot 7-370. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 61)

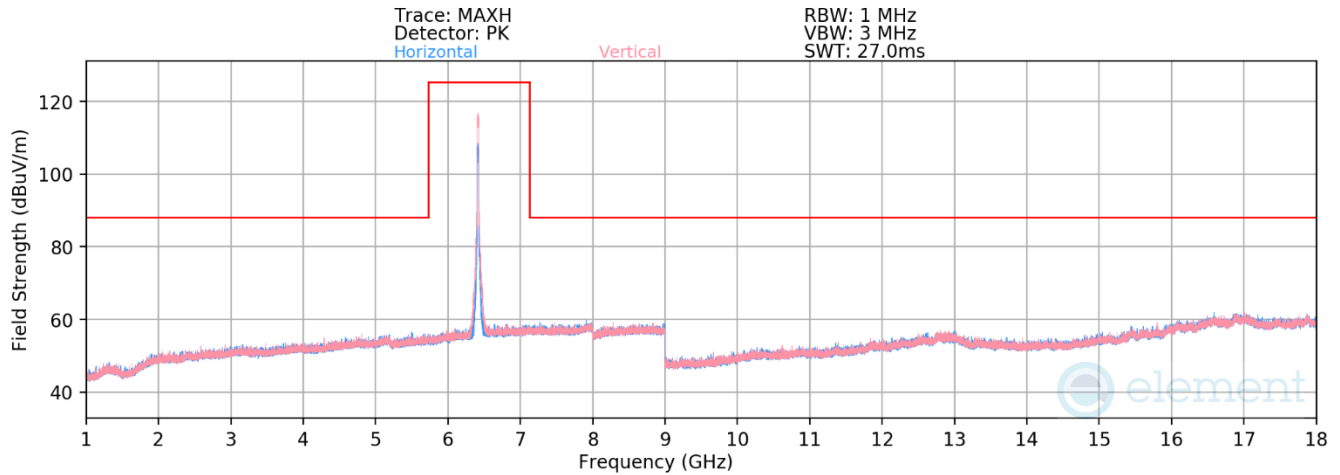
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 145 of 195

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6255MHz
 Channel: 61

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 12510.00	Average	V	-	-	-85.10	21.26	0.00	43.16	53.98	-10.82
* 12510.00	Peak	V	-	-	-73.33	21.26	0.00	54.93	73.98	-19.05
* 18765.00	Average	V	277	325	-53.55	-5.80	-9.54	38.11	53.98	-15.87
* 18765.00	Peak	V	277	325	-40.89	-5.80	-9.54	50.78	73.98	-23.20
25020.00	Average	V	-	-	-61.77	-5.80	-9.54	29.90	68.23	-38.33
25020.00	Peak	V	-	-	-50.20	-5.80	-9.54	41.46	88.23	-46.77
* 31275.00	Average	V	-	-	-62.78	-3.63	-9.54	31.05	53.98	-22.93
* 31275.00	Peak	V	-	-	-51.52	-3.63	-9.54	42.31	73.98	-31.67
37530.00	Average	V	-	-	-61.97	-3.74	-9.54	31.75	68.23	-36.48
37530.00	Peak	V	-	-	-50.88	-3.74	-9.54	42.84	88.23	-45.39

Table 7-50. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 146 of 195



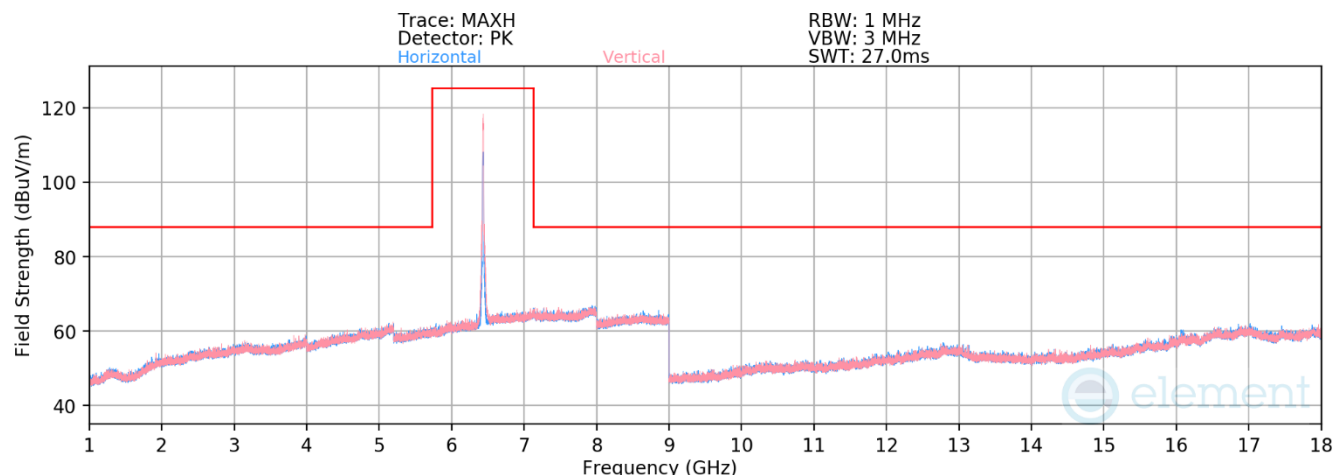
Plot 7-371. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 93)

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
12830.00	Average	V	-	-	-84.20	21.79	44.59	68.23	-23.64
12830.00	Peak	V	-	-	-73.21	22.00	55.79	88.23	-32.44

Table 7-51. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 147 of 195



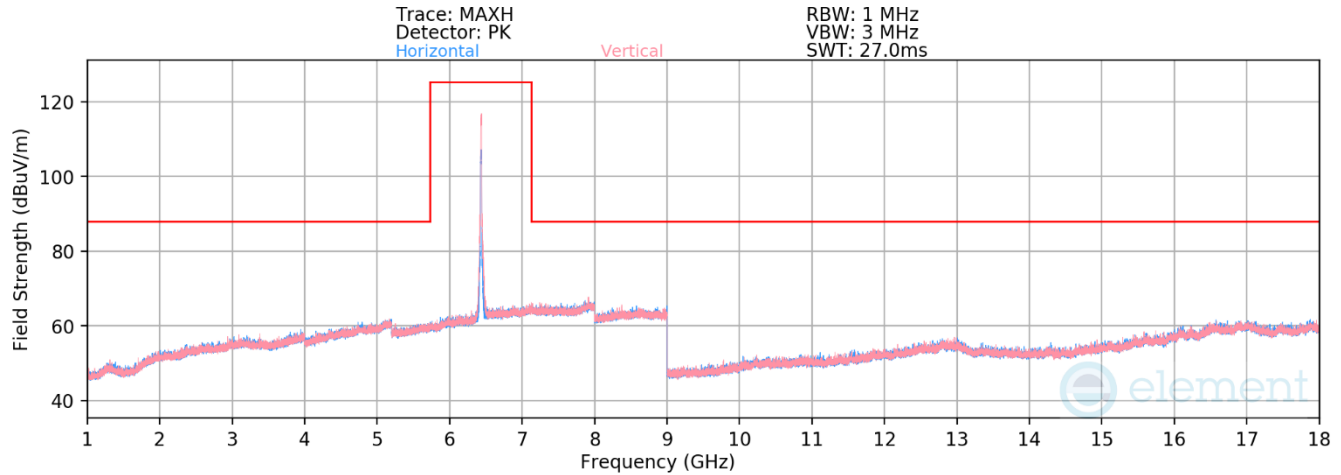
Plot 7-372. Radiated Spurious Emissions above 1GHz SDM (802.11ax – Ch. 97)

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
12870.00	Average	V	-	-	-84.28	21.66	44.37	68.23	-23.86
12870.00	Peak	V	-	-	-73.42	21.66	55.24	88.23	-32.99

Table 7-52. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 148 of 195



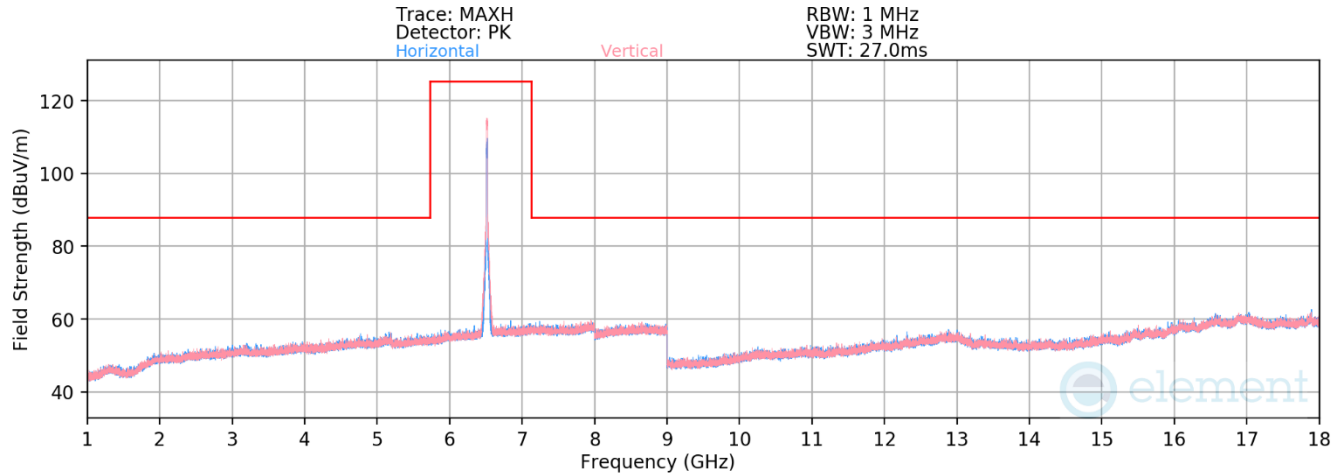
Plot 7-373. Radiated Spurious Emissions above 1GHz SDM (802.11ax – Ch. 105)

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

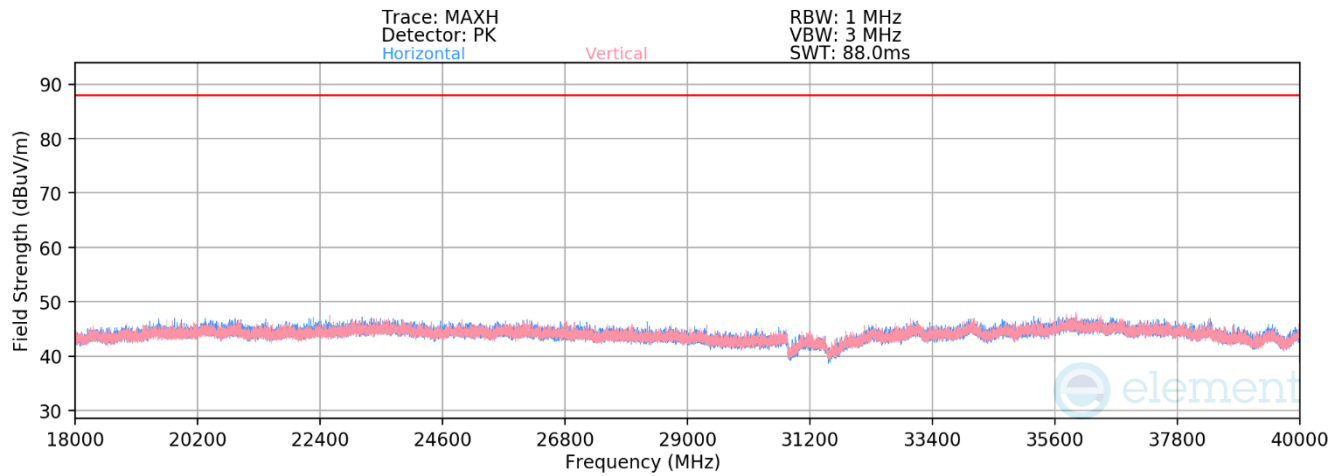
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
12950.00	Average	V	-	-	-84.47	21.67	44.20	68.23	-24.03
12950.00	Peak	V	-	-	-73.59	21.67	55.08	88.23	-33.15

Table 7-53. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 149 of 195



Plot 7-374. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 113)



Plot 7-375. Radiated Spurious Emissions 18-40GHz SDM (802.11ax – Ch. 113)

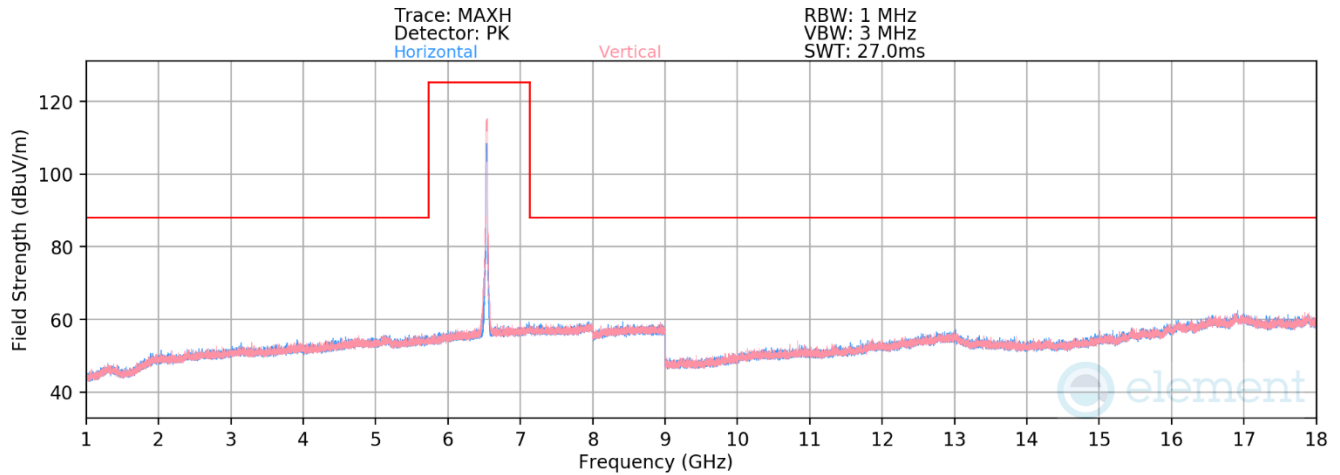
FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-R3.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 150 of 195

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13030.00	Average	V	-	-	-85.15	22.36	0.00	44.20	68.23	-24.03
13030.00	Peak	V	-	-	-74.11	22.34	0.00	55.23	88.23	-33.00
* 19545.00	Average	V	-	-	-61.18	-5.92	-9.54	30.37	53.98	-23.61
* 19545.00	Peak	V	-	-	-49.92	-5.92	-9.54	41.63	73.98	-32.35
26060.00	Average	V	-	-	-61.68	-5.33	-9.54	30.45	68.23	-37.78
26060.00	Peak	V	-	-	-50.52	-5.33	-9.54	41.62	88.23	-46.61
32575.00	Average	V	-	-	-62.32	-3.79	-9.54	31.35	68.23	-36.88
32575.00	Peak	V	-	-	-50.21	-3.79	-9.54	43.46	88.23	-44.77

Table 7-54. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 151 of 195



Plot 7-376. Radiated Spurious Emissions 1-18GHz SDM (802.11ax – Ch. 117)

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13070.00	Average	V	-	-	-85.41	22.36	43.95	68.23	-24.28
13070.00	Peak	V	-	-	-72.75	21.84	56.09	88.23	-32.14

Table 7-55. Radiated Spurious Emission Measurements SDM

FCC ID: BCGA3218 IC: 579C-A3218	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 10/14/2024 - 12/12/2025	EUT Type: Smart Speaker with Display	Approved by: Technical Manager
Test Report S/N: 1C2410280081-12-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 152 of 195