

MEASUREMENT REPORT

FCC PART 15.407 / ISD RSS-247 UNII 5GHz 802.11a/n/ac/ax (OFDM)

Applicant Name:

Apple Inc.
One Apple Park Way
Cupertino, CA 95014
United States

Date of Testing:

05/15/2025 - 2/10/2026

Test Report Issue Date:

9/18/2026

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2505300067-07-R3.BCG

FCC ID:

BCGA3374

IC:

579C-A3374

APPLICANT:

Apple Inc.

Application Type:

Certification

Model/HVIN:

A3374

EUT Type:

Smart Speaker

Frequency Range:

5180 – 5825MHz

Modulation Type:

OFDM

FCC Classification:

Unlicensed National Information Infrastructure (UNII)

FCC Rule Part(s):

Part 15 Subpart E (15.407)

ISED Specification:

RSS-247 Issue 4

Test Procedure(s):

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to
C63.10a:2024, KDB 789033 D02 v02r01
KDB 662911 D01 v02r01

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01. Test results reported herein relate only to the item(s) tested.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.



RJ Ortanez

Executive Vice President



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

Revision Summary

Revision	Date	Comments	Revised By
-	4/22/2026	Initial Release	WKR005811
R1	7/30/2026	Addressed comments editorial comments in cover page, footer, and header	WKR007077
R2	8/11/2026	Addressed editorial comment in cover page and footer	WKR016622
R3	9/16/2026	Addressed comments in Section 7.6.	WKR007077

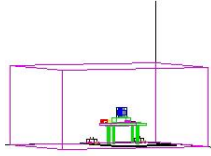
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on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

V 12.0 03/03/2026

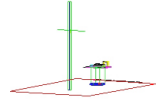
TABLE OF CONTENTS

1.0	INTRODUCTION	5
1.1	Scope.....	5
1.2	Element Materials Technology Test Location	5
1.3	Test Facility / Accreditations.....	5
2.0	PRODUCT INFORMATION	6
2.1	Equipment Description	6
2.2	Device Capabilities.....	6
2.3	Antenna Description.....	10
2.4	Test Support Equipment.....	10
2.5	Test Configuration.....	11
2.6	Software and Firmware	11
2.7	EMI Suppression Device(s)/Modifications.....	11
3.0	DESCRIPTION OF TESTS	12
3.1	Evaluation Procedure	12
3.2	AC Line Conducted Emissions	12
3.3	Radiated Emissions.....	13
3.4	Environmental Conditions.....	13
4.0	ANTENNA REQUIREMENTS	14
5.0	MEASUREMENT UNCERTAINTY	15
6.0	TEST EQUIPMENT CALIBRATION DATA.....	16
7.0	TEST RESULTS	17
7.1	Summary.....	17
7.2	26dB & 99% Bandwidth Measurement	18
7.3	6 dB Bandwidth Measurement.....	31
7.4	Conducted Output Power and Max EIRP Measurement	38
7.5	Maximum Power Spectral Density	54
7.6	Radiated Spurious Emissions – Above 1GHz	86
7.7	Radiated Spurious Emissions – Below 1GHz	146
7.8	AC Line-Conducted Emissions Measurement.....	152
8.0	CONCLUSION.....	158

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 3 of 158



MEASUREMENT REPORT



UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO				CDD/SDM	
				Antenna 0		Antenna 1		Summed	
				Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)
1	20	802.11a/n	5180 - 5240	43.873	16.42	43.551	16.39	75.858	18.80
2A		802.11a/n	5260 - 5320	42.364	16.27	44.668	16.50	72.946	18.63
2C		802.11a/n	5500 - 5700	44.066	16.44	44.638	16.50	78.343	18.94
2C		802.11a/n	5500 - 5720	44.566	16.49	44.638	16.50	78.524	18.95
3		802.11a/n	5745 - 5825	43.954	16.43	44.484	16.48	79.250	18.99
1	40	802.11n	5190 - 5230	53.333	17.27	56.234	17.50	106.660	20.28
2A		802.11n	5270 - 5310	57.412	17.59	62.661	17.97	123.595	20.92
2C		802.11n	5510 - 5670	58.749	17.69	63.096	18.00	121.619	20.85
2C		802.11n	5510 - 5710	62.087	17.93	63.096	18.00	121.619	20.85
3		802.11n	5755 - 5795	60.534	17.82	62.230	17.94	119.674	20.78
1	80	802.11ac	5210	15.031	11.77	14.655	11.66	23.227	13.66
2A		802.11ac	5290	15.631	11.94	15.031	11.77	23.714	13.75
2C		802.11ac	5530 - 5610	60.814	17.84	57.148	17.57	91.411	19.61
2C		802.11ac	5530 - 5690	61.944	17.92	59.020	17.71	119.124	20.76
3		802.11ac	5775	44.259	16.46	44.259	16.46	78.343	18.94
1	20	802.11ax (SU)	5180 - 5240	44.463	16.48	44.668	16.50	78.705	18.96
2A		802.11ax (SU)	5260 - 5320	43.652	16.40	41.783	16.21	78.886	18.97
2C		802.11ax (SU)	5500 - 5700	44.463	16.48	43.752	16.41	77.983	18.92
2C		802.11ax (SU)	5500 - 5720	44.463	16.48	43.752	16.41	77.983	18.92
3		802.11ax (SU)	5745 - 5825	44.361	16.47	44.361	16.47	77.804	18.91
1	40	802.11ax (SU)	5190 - 5230	56.234	17.50	52.845	17.23	106.170	20.26
2A		802.11ax (SU)	5270 - 5310	60.395	17.81	60.117	17.79	116.413	20.66
2C		802.11ax (SU)	5510 - 5670	62.373	17.95	60.674	17.83	121.339	20.84
2C		802.11ax (SU)	5510 - 5710	62.373	17.95	61.660	17.90	124.165	20.94
3		802.11ax (SU)	5755 - 5795	62.373	17.95	62.661	17.97	122.180	20.87
1	80	802.11ax (SU)	5210	14.093	11.49	13.677	11.36	21.928	13.41
2A		802.11ax (SU)	5290	12.882	11.10	12.647	11.02	24.434	13.88
2C		802.11ax (SU)	5530 - 5610	41.591	16.19	42.560	16.29	74.131	18.70
2C		802.11ax (SU)	5530 - 5690	61.094	17.86	62.806	17.98	118.577	20.74
3		802.11ax (SU)	5775	37.497	15.74	37.154	15.70	73.790	18.68

FCC EUT Overview

UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO				CDD/SDM	
				Antenna 0		Antenna 1		Summed	
				Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)
1	20	802.11a/n	5180 - 5240	31.405	14.97	30.627	14.86	35.400	15.49
2A		802.11a/n	5260 - 5320	42.364	16.27	44.668	16.50	72.946	18.63
2C		802.11a/n	5500 - 5700	44.055	16.44	44.638	16.50	78.343	18.94
2C		802.11a/n	5500 - 5720	44.566	16.49	44.638	16.50	78.524	18.95
3		802.11a/n	5745 - 5825	43.954	16.43	44.484	16.48	79.250	18.99
1	40	802.11n	5190 - 5230	53.333	17.27	56.221	17.50	54.828	17.39
2A		802.11n	5270 - 5310	57.412	17.59	62.661	17.97	123.595	20.92
2C		802.11n	5510 - 5670	58.749	17.69	63.096	18.00	121.619	20.85
2C		802.11n	5510 - 5710	62.087	17.93	63.096	18.00	121.619	20.85
3		802.11n	5755 - 5795	60.548	17.82	62.230	17.94	119.674	20.78
1	80	802.11ac	5210	15.031	11.77	14.655	11.66	23.227	13.66
2A		802.11ac	5290	15.631	11.94	15.031	11.77	23.714	13.75
2C		802.11ac	5530 - 5610	60.814	17.84	57.148	17.57	91.411	19.61
2C		802.11ac	5530 - 5690	61.944	17.92	59.020	17.71	119.124	20.76
3		802.11ac	5775	44.259	16.46	44.259	16.46	78.343	18.94
1	20	802.11ax (SU)	5180 - 5240	35.400	15.49	34.674	15.40	34.914	15.43
2A		802.11ax (SU)	5260 - 5320	43.652	16.40	41.783	16.21	78.886	18.97
2C		802.11ax (SU)	5500 - 5700	44.463	16.48	43.752	16.41	77.983	18.92
2C		802.11ax (SU)	5500 - 5720	44.463	16.48	43.752	16.41	77.983	18.92
3		802.11ax (SU)	5745 - 5825	44.361	16.47	44.361	16.47	77.804	18.91
1	40	802.11ax (SU)	5190 - 5230	56.234	17.50	52.845	17.23	54.702	17.38
2A		802.11ax (SU)	5270 - 5310	60.395	17.81	60.117	17.79	116.413	20.66
2C		802.11ax (SU)	5510 - 5670	62.373	17.95	60.674	17.83	121.339	20.84
2C		802.11ax (SU)	5510 - 5710	62.373	17.95	61.660	17.90	124.165	20.94
3		802.11ax (SU)	5755 - 5795	62.373	17.95	62.661	17.97	122.180	20.87
1	80	802.11ax (SU)	5210	14.093	11.49	13.677	11.36	24.604	13.91
2A		802.11ax (SU)	5290	12.882	11.10	12.647	11.02	24.434	13.88
2C		802.11ax (SU)	5530 - 5610	41.591	16.19	42.560	16.29	74.131	18.70
2C		802.11ax (SU)	5530 - 5690	61.094	17.86	62.806	17.98	118.577	20.74
3		802.11ax (SU)	5775	37.497	15.74	37.154	15.70	73.790	18.68

ISED EUT Overview

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 4 of 158

1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2 Element Materials Technology Test Location

These measurement tests were conducted at the Element Materials Technology facility located at 18855 Adams Court, Morgan Hill, CA 95037. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014 and KDB 414788 D01 v01r01.

1.3 Test Facility / Accreditations

Measurements were performed at Element Materials Technology located in Morgan Hill, CA 95037, U.S.A.

- Element Materials Technology is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.02 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- Element Materials Technology facility is a registered test laboratory with the site description on file with ISED (Wireless Test Lab number 22831) and FCC (Designation Number US1163).
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 5 of 158

2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Apple Smart Speaker FCC ID: BCGA3374** and **IC: 579C-A3374**. The test data contained in this report pertains only to the emissions due to the EUT's UNII 802.11a/n/ac/ax-(SU) transmitter.

Test Device Serial No.: DWPYQ17WGN, F4Y3LP2074, G59KG4D2LL, GXC9HHV20W, DLWP4MKXKL, DMWY056GXX, JQW7TJGXT3

2.2 Device Capabilities

This device contains the following capabilities:

802.11b/g/n/ax WLAN, 802.11a/n/ac/ax UNII (5GHz and 6GHz), 802.15.4, Bluetooth (1x, EDR, LE1M, LE2M), UWB

Band 1		Band 2A		Band 2C		Band 3	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745
:	:	:	:	:	:	:	:
42	5210	56	5280	116	5580	157	5785
:	:	:	:	:	:	:	:
48	5240	64	5320	144	5720	165	5825

Table 2-1. 802.11a/n/ac/ax (20MHz) Frequency / Channel Operations

Band 1		Band 2A		Band 2C		Band 3	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755
:	:	:	:	:	:	:	:
46	5230	62	5310	110	5550	159	5795
				:	:		
				142	5710		

Table 2-2. 802.11n/ac/ax (40MHz BW) Frequency / Channel Operations

Band 1		Band 2A		Band 2C		Band 3	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
42	5210	58	5290	106	5530	155	5775
				:	:		
				138	5690		

Table 2-3. 802.11ac/ax (80MHz BW) Frequency / Channel Operations

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 6 of 158

Notes:

- 5GHz NII operation is possible in 20MHz, 40MHz, and 80MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = peak per the guidance of Section B)2)b) KDB 789033 D02 v02r01 and ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

802.11 Mode/Band	Duty Cycle [%]					
	Antenna 1		Antenna 0		CDD/SDM	
	Duty Cycle [%]	Radiated DCCF [dB]	Duty Cycle [%]	Radiated DCCF [dB]	Duty Cycle [%]	Radiated DCCF [dB]
a (Low Data Rate)	98.651	0.059	98.446	0.068	-	-
a (Mid Data Rate)	97.230	0.122	97.409	0.114	-	-
a (High Data Rate)	83.119	0.803	83.119	0.803	-	-
n (HT20) (Low Data Rate)	98.719	0.056	98.810	0.052	98.017	0.087
n (HT20) (Mid Data Rate)	98.810	0.052	97.972	0.089	97.972	0.089
n (HT20) (High Data Rate)	98.742	0.055	98.469	0.067	98.424	0.069
n (HT40) (Low Data Rate)	98.152	0.081	100.000	0.000	98.107	0.083
n (HT40) (Mid Data Rate)	98.446	0.068	100.000	0.000	98.107	0.083
n (HT40) (High Data Rate)	98.265	0.076	98.492	0.066	96.962	0.134
ac (VHT80) (Low Data Rate)	98.537	0.064	98.878	0.049	98.333	0.073
ac (VHT80) (Mid Data Rate)	98.130	0.082	97.499	0.110	97.769	0.098
ac (VHT80) (High Data Rate)	96.095	0.173	95.918	0.181	96.095	0.173
ax(SU) (HE20) (Low Data Rate)	98.424	0.069	98.220	0.078	98.651	0.059
ax(SU) (HE20) (Mid Data Rate)	98.651	0.059	98.446	0.068	98.492	0.066
ax(SU) (HE20) (High Data Rate)	97.949	0.090	98.175	0.080	97.949	0.090
ax(SU) (HE40) (Low Data Rate)	98.651	0.059	98.446	0.068	98.651	0.059
ax(SU) (HE40) (Mid Data Rate)	98.288	0.075	98.537	0.064	98.855	0.050
ax(SU) (HE40) (High Data Rate)	96.627	0.149	97.029	0.131	97.029	0.131
ax(SU) (HE80) (Low Data Rate)	98.265	0.076	98.628	0.060	98.719	0.056
ax(SU) (HE80) (Mid Data Rate)	97.409	0.114	97.409	0.114	97.409	0.114
ax(SU) (HE80) (High Data Rate)	93.994	0.269	93.994	0.269	94.081	0.265
ax(SU) (HE20) (Low Data Rate)	98.424	0.069	98.220	0.078	98.651	0.059
ax(SU) (HE20) (Mid Data Rate)	98.651	0.059	98.446	0.068	98.492	0.066
ax(SU) (HE20) (High Data Rate)	97.949	0.090	98.175	0.080	97.949	0.090
ax(SU) (HE40) (Low Data Rate)	98.651	0.059	98.446	0.068	98.651	0.059
ax(SU) (HE40) (Mid Data Rate)	98.288	0.075	98.537	0.064	98.855	0.050
ax(SU) (HE40) (High Data Rate)	96.627	0.149	97.029	0.131	97.029	0.131
ax(SU) (HE80) (Low Data Rate)	98.265	0.076	98.628	0.060	98.719	0.056
ax(SU) (HE80) (Mid Data Rate)	97.409	0.114	97.409	0.114	97.409	0.114
ax(SU) (HE80) (High Data Rate)	93.994	0.269	93.994	0.269	94.081	0.265

Table 2-4. Measured Duty Cycles

CDD/SDM = Antenna 0 + Antenna 1

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 7 of 158

2. The device employs MIMO technology. Below are the possible configurations.

WiFi Configurations		SISO		CDD		SDM		STBC	
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1
5GHz	11a	✓	✓	✗	✗	✗	✗	✗	✗
	11n (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓
	11n (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓
	11ac (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓

Table 2-5. WIFI Configurations

✓ = Support ; ✗ = NOT Support

SISO = Single Input Single Output

SDM = Spatial Diversity Multiplexing – MIMO function

CDD = Cyclic Delay Diversity - 2Tx Function

STBC = Space-Time Block Coding – 2Tx Function

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 8 of 158

3. The device supports the following data rates (shown in Mbps):

802.11a 20MHz	MCS Index			Spatial Stream	OFDM (802.11n/802.11ac)				OFDM (802.11ac)		OFDM (802.11ax)									
					20MHz		40MHz		80MHz		20MHz			40MHz			80MHz			
	HT	VHT	HE		0.8μs GI	0.4μs GI	0.8μs GI	0.4μs GI	0.8μs GI	0.4μs GI	0.8μs GI	1.6μs GI	3.2μs GI	0.8μs GI	1.6μs GI	3.2μs GI	0.8μs GI	1.6μs GI	3.2μs GI	
6	0	0	0	1	6.5	7.2	13.5	15	29.3	32.5	8.6	8.1	7.3	17.2	16.3	14.6	36	34	30.6	Low Rate
9	1	1	1	1	13	14.4	27	30	58.5	65	17.2	16.3	14.6	34.4	32.5	29.3	72.1	68.1	61.3	
12	2	2	2	1	19.5	21.7	40.5	45	87.8	97.5	25.8	24.4	21.9	51.6	48.8	43.9	108.1	102.1	91.9	
18	3	3	3	1	26	28.9	54	60	117	130	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	122.5	Mid rate
24	4	4	4	1	39	43.3	81	90	175.5	195	51.6	48.8	43.9	103.2	97.5	87.8	216.2	204.2	183.8	
36	5	5	5	1	52	57.8	108	120	234	260	68.8	65	58.5	137.6	130	117	288.2	272.2	245	
48	6	6	6	1	58.5	65	121.5	135	263.3	292.5	77.4	73.1	65.8	154.9	146.3	131.6	324.3	306.3	275.6	High Rate
54	7	7	7	1	65	72.2	135	150	292.5	325	86	81.3	73.1	172.1	162.5	146.3	360.3	340.3	306.3	
-	-	8	8	1	-	-	162	180	351	390	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	367.5	
-	-	9	9	1	-	-	180	200	390	433.3	114.7	108.3	97.5	229.4	216.7	195	480.4	453.7	408.3	Low Rate
-	-	-	10	1	-	-	-	-	-	-	129	121.9	109.7	258.1	243.8	219.4	540.4	510.4	459.4	
-	-	-	11	1	-	-	-	-	-	-	143.4	135.4	121.9	286.8	270.8	243.8	600.5	567.1	510.4	
-	8	0	0	2	13	14.4	27	30	58.5	65	17.2	16.3	14.6	34.4	32.5	29.3	72.1	68.1	61.3	Mid rate
-	9	1	1	2	26	28.9	54	60	117	130	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	122.5	
-	10	2	2	2	39	43.3	81	90	175.5	195	51.6	48.8	43.9	103.2	97.5	87.8	216.2	204.2	183.8	
-	11	3	3	2	52	57.8	108	120	234	260	68.8	65	58.5	137.6	130	117	288.2	272.2	245	High Rate
-	12	4	4	2	78	86.7	162	180	351	390	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	367.5	
-	13	5	5	2	104	115.6	216	240	468	520	137.6	130	117	275.3	260	234	576.5	544.4	490	
-	14	6	6	2	117	130	243	270	526.5	585	154.9	146.3	131.6	309.7	292.5	263.3	648.5	612.5	551.3	High Rate
-	15	7	7	2	130	144.4	270	300	585	650	172.1	162.5	146.3	344.1	325	292.5	720.6	680.6	612.5	
-	-	8	8	2	156	173.3	324	360	702	780	206.5	195	175.5	412.9	390	351	864.7	816.7	735	
-	-	9	9	2	-	-	360	400	780	866.7	229.4	216.7	195	458.8	433.3	390	960.8	907.4	816.7	High Rate
-	-	-	10	2	-	-	-	-	-	-	258.1	243.8	219.4	516.2	487.5	438.8	1080.9	1020.8	918.8	
-	-	-	11	2	-	-	-	-	-	-	286.8	270.8	243.8	573.5	541.7	487.5	1201	1134.3	1020.8	

Table 2-6. Supported Data Rates

4. This device supports simultaneous transmission operations, which allows multiple transmitters to transmit simultaneously on the same antenna. The table below shows all configurations possible.

Antenna	Simultaneous Tx Config	Bluetooth 2.4GHz	Thread	WLAN	WIFI 5GHz	WIFI 6GHz
		BDR, EDR, LE	802.15.4	802.11 b/g/n/ax	802.11 a/n/ac/ax	802.11 a/ax
Antenna 0	Config 1	✓	✗	✗	✓	✗
	Config 2	✓	✗	✗	✗	✓
Antenna 1	Config 3	✗	✓	✗	✓	✗
	Config 4	✗	✓	✗	✗	✓

Table 2-7. Simultaneous Transmission Configurations

✓ = Support; ✗ = Not Support

Note:

All the above simultaneous transmission configurations have been tested and the worst-case configuration was found to be Config 1.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 9 of 158

2.3 Antenna Description

Following antennas gains provided by manufacturer were used for testing. The validity of the calculated results is based on the accuracy of the information provided.

Frequency [GHz]	Antenna Gain (dBi)	
	Antenna 0	Antenna 1
5.150 – 5.250	4.24	3.98
5.250 – 5.350	5.29	3.66
5.470 – 5.725	4.88	4.05
5.725 – 5.850	4.60	4.59

Table 2-8. Highest Antenna Gain

2.4 Test Support Equipment

1	Apple MacBook Pro	Model:	A2141	S/N:	C02H604EQ05D
	w/AC/DC Adapter	Model:	A2166	S/N:	C4H042705ZNP00WA6
2	Apple USB-C Cable	Model:	Chimp Cable	S/N:	304323
3	USB-C Cable	Model:	A2905	S/N:	FTLH3N00N3S000002J
	w/ AC Adapter	Model:	A3228	S/N:	C4HHAU000PD0000EWV

Table 2-9. Test Support Equipment List

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

2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01. ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing. See Sections 3.2 for AC line conducted emissions test setups, 3.3 for radiated emissions test setups, and 7.2, 7.3, 7.4, and 7.5 for antenna port conducted emissions test setups.

For emissions from 1GHz – 18GHz, low, mid, and high channels were tested with highest power and worst case configuration. The emissions below 1GHz and above 18GHz were tested with the highest transmitting power and the worst case channel was reported.

The EUT was manipulated through one orthogonal plane of X-orientation (flatbed) during the testing. Only the worst case emissions were reported in this test report.

For AC line conducted and radiated test below 1GHz, following configuration was investigated and EUT powered by AC/DC was the worst case.

- EUT powered by AC/DC adaptor via USB-C cable.

802.11n HT20/40, 11ax(SU) HE20/40/80 and 11ac VHT80 2TX CDD/SDM mode test data provided in this report covers 802.11n HT20/40, 11ax(SU) HE20/40/80 and 802.11ac VHT80 2TX STBC mode

802.11ac VHT20 and VHT40 mode are different from 802.11n HT20 and HT40 only in control messages and have the same power settings.

The data rates have been categorized into three groups: low, middle, and high data rates (see Table 2-6). All three groups have been investigated, and only the worst-case data rate has been reported.

For 802.11ax (OFDMA) test result, see separate UNII 802.11ax (OFDMA) report, 1C2505300067-08-R2.BCG.

All possible simultaneous transmission configurations have been investigated and the worst case config has been reported.

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

Table 2-10. Worst Case Simultaneous Transmission Configuration

2.6 Software and Firmware

The test was conducted with firmware version 23J215 installed on the EUT.

2.7 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 11 of 158

3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices (ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024) and the guidance provided in KDB 789033 D02 v02r01 were used in the measurement of the EUT.

Deviation from measurement procedure.....None

3.2 AC Line Conducted Emissions

The line-conducted facility is located inside a 7m x 3.66m x 2.7m shielded enclosure. The shielded enclosure is manufactured by AP Americas. The shielding effectiveness of the shielded room is in accordance with MIL-Std-285 or NSA 65-6. A 1m x 1.5m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50μH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. The external power line filter is EPCOS 2X60A Power Line Filter (100dB Attenuation, 14kHz-18GHz) and the two EPCOs 2X48A filters (100dB Minimum Insertion Loss, 14kHz - 10GHz). These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply line(s) will be connected to the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The spectrum was scanned from 150kHz to 30MHz with a spectrum analyzer. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 10kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions is used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

Line conducted emissions test results are shown in Section 7.8. Automated test software was used to perform the AC line conducted emissions testing. Automated measurement software utilized is Rohde & Schwarz EMC32, Version 10.50.40.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 12 of 158

3.3 Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4-2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. An 80cm tall test table made of Styrodur is placed on top of the turn table. For measurements above 1GHz, an additional Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

Per KDB 414788, radiated emission test sites other than open-field test sites (e.g., shielded anechoic chambers), may be employed for emission measurements below 30MHz if characterized so that the measurements correspond to those obtained at an open-field test site. To determine test site equivalency, a reference sample transmitting at 149kHz was measured on an open field test site (asphalt with no ground plane) and then measured in the 3m semi-anechoic chamber. A calibrated 60cm loop antenna was used while the reference device was rotated through the X, Y and Z axis in order to capture the worst case level. A maximum deviation of 2.77dB at 149kHz was measured when comparing the 3 meter semi-anechoic chamber to the open field site.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33 depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, mode of operation, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through one orthogonal plane and changing the polarity of the receive antenna, whichever produced the worst-case emissions.

3.4 Environmental Conditions

The temperature is controlled within range of 15°C to 35°C. The relative humidity is controlled within range of 10% to 75%. The atmospheric pressure is monitored within the range 86-106kPa (860-1060mbar).

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 13 of 158

4.0 ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antennas of the EUT are **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The EUT complies with the requirement of §15.203.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 14 of 158

5.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.23-2012. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty ($\pm$ dB)
Conducted Bench Top Measurements	2.00
Line Conducted Disturbance	1.88
Radiated Disturbance (<30MHz)	4.24
Radiated Disturbance (30MHz - 1GHz)	4.96
Radiated Disturbance (1 - 18GHz)	5.18
Radiated Disturbance (>18GHz)	5.18

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

6.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance with the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	N9020A	MXA Signal Analyzer	7/7/2025	Biennial	7/7/2027	MY56470202
Anritsu	ML2496A	Power Meter	2/10/2025	Annual	2/10/2026	1306009
Anritsu	MA2411B	Pulse Power Sensor	2/10/2025	Annual	2/10/2026	1315051
Anritsu	MA2411B	Pulse Power Sensor	2/10/2025	Annual	2/10/2026	1339027
ATM	180-442-KF	20dB Nominal Gain Horn Antenna	3/24/2025	Annual	3/24/2026	T058601-02
ETS-Lindgren	3117	Double Ridged Guide Horn (1-18 GHz)	4/16/2025	Annual	4/16/2026	218555
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz RF Cable/Attenuator *	6/10/2025	Annual	6/10/2026	-
Keysight Technology	N9040B	UXA Signal Analyzer	6/9/2025	Annual	6/9/2026	MY57212015
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/6/2025	Annual	8/6/2026	101639
Rohde & Schwarz	FSW43	Spectrum Analyzer 2Hz to 43GHz	8/5/2025	Annual	8/5/2026	104093
Rohde & Schwarz	ESW44	EMI Test Receiver 2Hz to 44 GHz	5/13/2025	Annual	5/13/2026	101867
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	10/14/2025	Annual	10/14/2026	102328
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	6/3/2025	Annual	6/3/2026	100052
Rohde & Schwarz	ENV216	Two-Line V-Network	4/24/2025	Annual	4/24/2026	101364
Schwarzbeck	VULB 9162	Bilog Antenna (30MHz - 6GHz)	7/17/2025	Annual	7/17/2026	00302

Table 6-1. Test Equipment List

Note:

- For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.
- * denotes passive equipment that have been internally verified/calibrated.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 16 of 158

7.0 TEST RESULTS

7.1 Summary

Company Name: Apple Inc.
 FCC ID: BCGA3374
 IC: 579C-A3374
 FCC Classification: Unlicensed National Information Infrastructure (UNII)

FCC Part Section(s)	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407	RSS-Gen [5.1]	26dB Bandwidth	N/A	CONDUCTED	N/A	Section 7.2
15.407(e)	RSS-247 [7.3.4.2]	6dB Bandwidth	>500kHz(5725-5850MHz)		PASS	Section 7.3
2.1049	RSS-Gen [5.1]	Occupied Bandwidth	N/A		N/A	Section 7.2
15.407 (a.1.iv), (a.2), (a.3)	RSS-247 [7.3.1.2], [7.3.2.2], [7.3.3.2], [7.3.4.3]	Maximum Conducted Output Power	Maximum conducted powers must meet the limits detailed in 15.407 (a) (RSS-247 [7.3])		PASS	Section 7.4
15.407 (a.1.iv), (a.2), (a.3)	RSS-247 [7.3.1.2], [7.3.2.2], [7.3.3.2], [7.3.4.3]	Maximum Power Spectral Density	Maximum power spectral density must meet the limits detailed in 15.407 (a) (RSS-247 [7.3])		PASS	Section 7.5
15.407(h)	RSS-247 [7.3.6]	Dynamic Frequency Selection	See DFS Test Report	RADIATED	PASS	See DFS Test Report (1C25053000 67-09.BCG)
15.407(b.1), (2), (3), (4)	RSS-247 [7.3.1.3], [7.3.2.3], [7.3.3.3], [7.3.4.4]	Undesirable Emissions	Undesirable emissions must meet the limits detailed in 15.407(b) (RSS-247 [7.3])		PASS	Section 7.6
15.205, 15.407(b.1), (2), (3), (4)	RSS-Gen [7.4.3]	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209 (RSS-Gen [7.4.3])		PASS	Section 7.6, 7.7
15.207	RSS-Gen [7.4.2]	AC Conducted Emissions 150kHz – 30MHz	< FCC 15.207 (RSS-Gen [7.4.2]) limits	LINE CONDUCTED	PASS	Section 7.8

Table 7-1. Summary of Test Results

Notes:

- 1) All channels, modes, and modulations/data rates were investigated among all UNII bands. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.
- 4) For conducted spurious emissions, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Conducted Automation,” Version 1.4.0.
- 5) For radiated testing, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Chamber Automation,” Version 3.4.2.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 17 of 158

7.2 26dB & 99% Bandwidth Measurement

Test Overview and Limit

The bandwidth at 26dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal 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. The spectrum analyzer's bandwidth measurement function is configured to measure the 26dB bandwidth.

The 26 dB bandwidth is used to determine the conducted power limits for the FCC. The 99% OBW bandwidth is used to determine the conducted power limits for the ISSED.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Section 12.5.2
KDB 789033 D02 v02r01 – Section C

Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 26$. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = in the range of 1% to 5% of the emission bandwidth
3. $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Trace mode = max hold

Test Setup

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



Figure 7-1. Test Instrument & Measurement Setup

Test Notes

1. All data rates and channels (low, mid, and high) were investigated, and tabular data provided. Only worst-case plots for each bandwidth are reported.

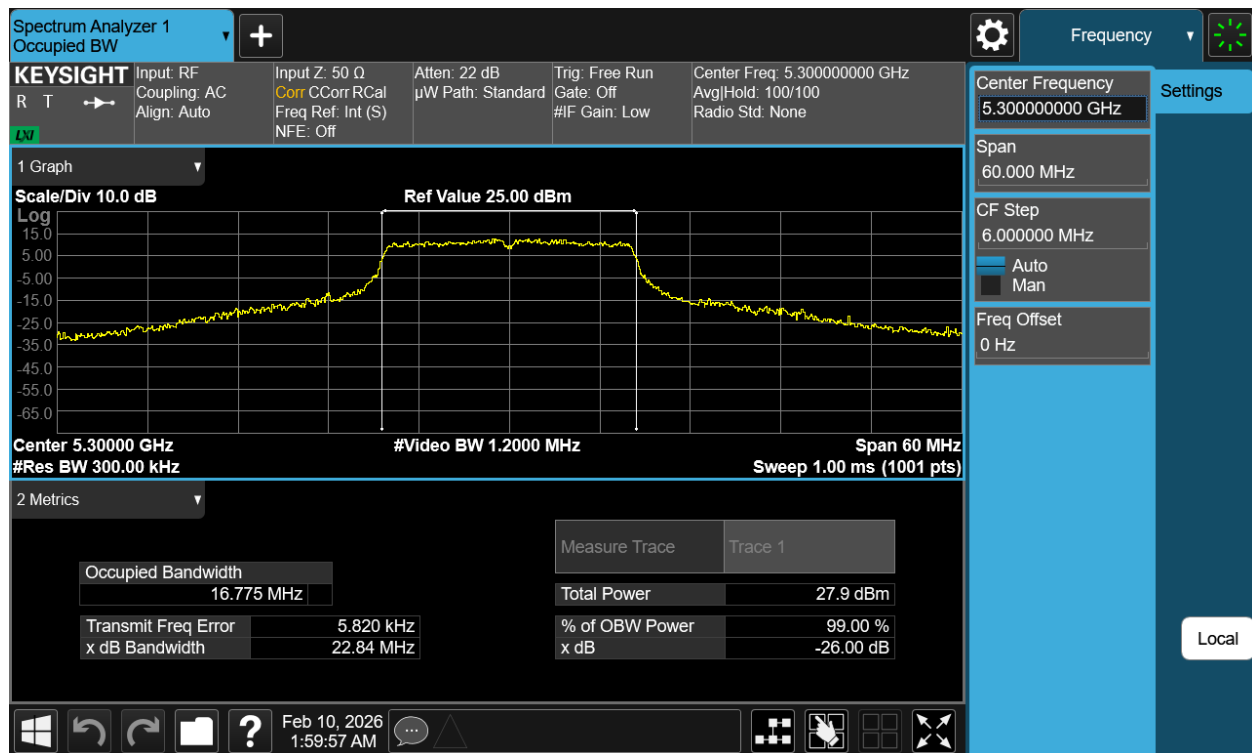
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 18 of 158

7.2.1 Antenna 0 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	a	18Mbps	16.72	23.16
	5200	40	a	18Mbps	16.72	22.66
	5240	48	a	18Mbps	16.67	21.60
	5180	36	n (20MHz)	MCS3	17.88	22.91
	5200	40	n (20MHz)	MCS3	17.94	23.34
	5240	48	n (20MHz)	MCS3	17.82	21.90
	5180	36	ax (SU) (20MHz)	MCS3	19.04	24.91
	5200	40	ax (SU) (20MHz)	MCS3	19.11	23.63
	5240	48	ax (SU) (20MHz)	MCS3	19.04	22.13
	5190	38	n (40MHz)	MCS3	36.32	42.50
	5230	46	n (40MHz)	MCS3	36.22	40.50
	5190	38	ax (SU) (40MHz)	MCS3	37.73	42.36
	5230	46	ax (SU) (40MHz)	MCS3	37.69	45.05
	5210	42	ac (80MHz)	MCS3	75.62	97.92
	5210	42	ax (SU) (80MHz)	MCS3	77.22	91.40
Band 2A	5260	52	a	18Mbps	16.73	26.03
	5300	60	a	18Mbps	16.82	26.32
	5320	64	a	18Mbps	16.80	23.50
	5260	52	n (20MHz)	MCS3	17.87	22.05
	5300	60	n (20MHz)	MCS3	17.98	25.45
	5320	64	n (20MHz)	MCS3	17.96	23.98
	5260	52	ax (SU) (20MHz)	MCS3	19.11	22.19
	5300	60	ax (SU) (20MHz)	MCS3	19.12	23.71
	5320	64	ax (SU) (20MHz)	MCS3	19.11	24.20
	5270	54	n (40MHz)	MCS3	36.45	41.67
	5310	62	n (40MHz)	MCS3	36.51	46.66
	5270	54	ax (SU) (40MHz)	MCS3	37.91	63.62
	5310	62	ax (SU) (40MHz)	MCS3	37.83	48.80
	5290	58	ac (80MHz)	MCS3	75.75	98.14
	5290	58	ax (SU) (80MHz)	MCS3	77.28	84.66
Band 2C	5500	100	a	18Mbps	16.74	23.30
	5580	116	a	18Mbps	16.68	20.69
	5720	144	a	18Mbps	16.73	23.27
	5500	100	n (20MHz)	MCS3	17.88	23.24
	5580	116	n (20MHz)	MCS3	17.81	22.40
	5720	144	n (20MHz)	MCS3	17.82	21.62
	5500	100	ax (SU) (20MHz)	MCS3	19.09	22.69
	5580	116	ax (SU) (20MHz)	MCS3	19.08	22.95
	5720	144	ax (SU) (20MHz)	MCS3	19.05	22.60
	5510	102	n (40MHz)	MCS3	36.37	42.45
	5550	110	n (40MHz)	MCS3	36.45	43.36
	5590	118	n (40MHz)	MCS3	36.35	40.86
	5670	134	n (40MHz)	MCS3	36.53	42.97
	5710	142	n (40MHz)	MCS3	36.34	40.57
	5510	102	ax (SU) (40MHz)	MCS3	37.80	48.53
	5550	110	ax (SU) (40MHz)	MCS3	37.99	73.48
	5590	118	ax (SU) (40MHz)	MCS3	37.80	50.13
	5670	134	ax (SU) (40MHz)	MCS3	37.94	51.67
	5710	142	ax (SU) (40MHz)	MCS3	37.93	72.99
	5530	106	ac (80MHz)	MCS3	75.76	110.32
	5610	122	ac (80MHz)	MCS3	75.80	114.69
	5690	138	ac (80MHz)	MCS3	75.76	111.03
	5530	106	ax (SU) (80MHz)	MCS3	77.27	94.94
	5610	122	ax (SU) (80MHz)	MCS3	77.29	80.87
	5690	138	ax (SU) (80MHz)	MCS3	77.13	80.59

Table 7-2. Conducted Bandwidth Measurements Antenna 0

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



Plot 7-1 26dB BW & 99% OBW Antenna 0 (20MHz BW 802.11a - Ch.60)



Plot 7-2 26dB BW & 99% OBW Antenna 0 (40MHz BW 802.11ax(SU) - Ch.38)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 20 of 158

V 12.0 03/03/2026



Plot 7-3 26dB BW & 99% OBW Antenna 0 (80MHz BW 802.11ac - Ch.42)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 21 of 158

V 12.0 03/03/2026

7.2.2 Antenna 0 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]
Band 3	5745	149	a	18Mbps	17.19
	5785	157	a	18Mbps	17.18
	5825	165	a	36Mbps	17.11
	5745	149	n (20MHz)	MCS5	18.35
	5785	157	n (20MHz)	MCS3	18.29
	5825	165	n (20MHz)	MCS3	18.32
	5745	149	ax (SU) (20MHz)	MCS3	19.34
	5785	157	ax (SU) (20MHz)	MCS3	19.30
	5825	165	ax (SU) (20MHz)	MCS3	19.27
	5755	151	n (40MHz)	MCS3	36.90
	5795	159	n (40MHz)	MCS5	36.87
	5755	151	ax (SU) (40MHz)	MCS0	38.03
	5795	159	ax (SU) (40MHz)	MCS0	38.04
	5775	155	ac (80MHz)	MCS0	76.12
	5775	155	ax (SU) (80MHz)	MCS3	77.96

Table 7-3. Conducted Bandwidth Measurements Antenna 0

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 22 of 158



Plot 7-4 99% OBW Antenna 0 (20MHz BW 802.11a - Ch.165)



Plot 7-5 99% OBW Antenna 0 (40MHz BW 802.11n - Ch.159)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 23 of 158



Plot 7-6 99% OBW Antenna 0 (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 24 of 158

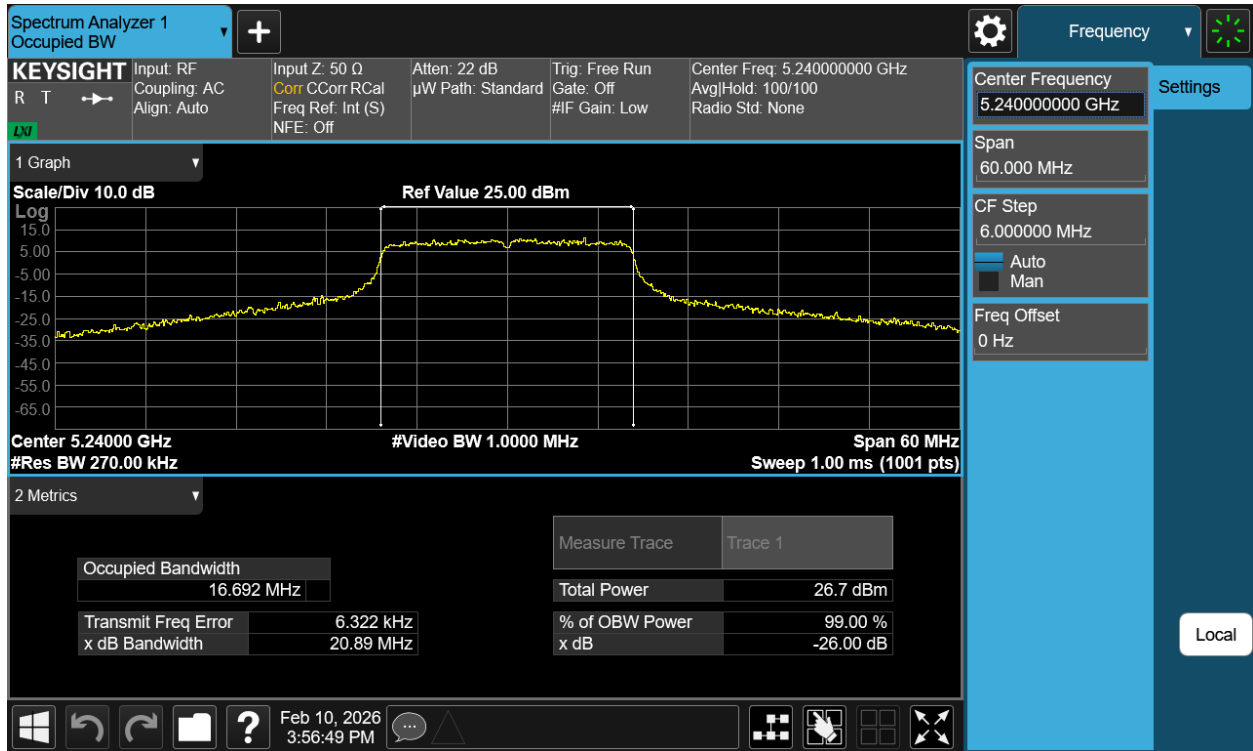
V 12.0 03/03/2026

7.2.3 Antenna 1 26dB & 99% Bandwidth Measurements

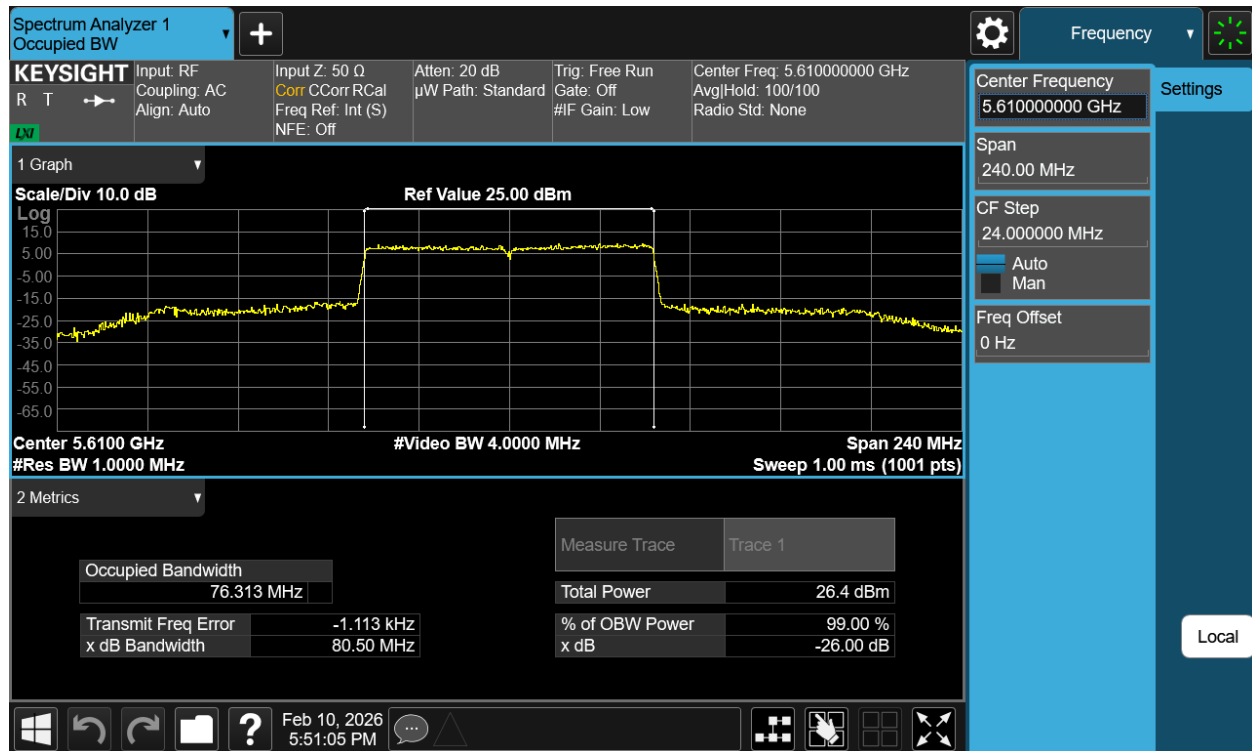
	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	a	36Mbps	16.75	22.82
	5200	40	a	36Mbps	16.73	22.69
	5240	48	a	36Mbps	16.69	20.89
	5180	36	n (20MHz)	MCS5	17.86	21.74
	5200	40	n (20MHz)	MCS5	17.96	21.57
	5240	48	n (20MHz)	MCS5	17.84	22.22
	5180	36	ax (SU) (20MHz)	MCS5	19.16	22.58
	5200	40	ax (SU) (20MHz)	MCS5	19.17	22.73
	5240	48	ax (SU) (20MHz)	MCS5	19.14	22.82
	5190	38	n (40MHz)	MCS5	36.25	40.42
	5230	46	n (40MHz)	MCS5	36.29	40.43
	5190	38	ax (SU) (40MHz)	MCS5	38.01	46.29
	5230	46	ax (SU) (40MHz)	MCS5	38.05	39.90
	5210	42	ac (80MHz)	MCS5	76.40	80.67
	5210	42	ax (SU) (80MHz)	MCS5	77.86	81.24
Band 2A	5260	52	a	36Mbps	16.73	23.47
	5300	60	a	36Mbps	16.81	23.94
	5320	64	a	36Mbps	16.80	24.75
	5260	52	n (20MHz)	MCS5	17.86	22.17
	5300	60	n (20MHz)	MCS5	17.86	21.37
	5320	64	n (20MHz)	MCS5	17.85	21.71
	5260	52	ax (SU) (20MHz)	MCS5	19.18	22.66
	5300	60	ax (SU) (20MHz)	MCS5	19.15	22.40
	5320	64	ax (SU) (20MHz)	MCS5	19.14	22.31
	5270	54	n (40MHz)	MCS5	36.26	41.21
	5310	62	n (40MHz)	MCS5	36.37	41.27
	5270	54	ax (SU) (40MHz)	MCS5	37.99	40.03
	5310	62	ax (SU) (40MHz)	MCS5	38.04	40.09
	5290	58	ac (80MHz)	MCS5	76.31	84.37
	5290	58	ax (SU) (80MHz)	MCS5	77.77	80.70
Band 2C	5500	100	a	36Mbps	16.80	23.81
	5580	116	a	36Mbps	16.83	26.59
	5720	144	a	36Mbps	16.72	24.61
	5500	100	n (20MHz)	MCS5	17.80	21.68
	5580	116	n (20MHz)	MCS5	17.81	21.67
	5720	144	n (20MHz)	MCS5	17.86	21.84
	5500	100	ax (SU) (20MHz)	MCS5	19.13	22.26
	5580	116	ax (SU) (20MHz)	MCS5	19.12	22.53
	5720	144	ax (SU) (20MHz)	MCS5	19.17	22.63
	5510	102	n (40MHz)	MCS5	36.26	43.56
	5550	110	n (40MHz)	MCS5	36.28	41.05
	5590	118	n (40MHz)	MCS5	36.26	40.19
	5670	134	n (40MHz)	MCS5	36.28	40.87
	5710	142	n (40MHz)	MCS5	36.30	42.23
	5510	102	ax (SU) (40MHz)	MCS5	38.01	40.00
	5550	110	ax (SU) (40MHz)	MCS5	38.01	40.06
	5590	118	ax (SU) (40MHz)	MCS5	38.06	39.98
	5670	134	ax (SU) (40MHz)	MCS5	38.00	39.98
	5710	142	ax (SU) (40MHz)	MCS5	38.01	40.00
	5530	106	ac (80MHz)	MCS5	76.26	97.03
	5610	122	ac (80MHz)	MCS5	76.31	80.50
	5690	138	ac (80MHz)	MCS5	76.22	80.53
	5530	106	ax (SU) (80MHz)	MCS5	77.67	80.91
	5610	122	ax (SU) (80MHz)	MCS5	77.87	81.28
	5690	138	ax (SU) (80MHz)	MCS5	77.73	81.09

Table 7-4. Conducted Bandwidth Measurements Antenna 1

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 25 of 158



FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 26 of 158



Plot 7-9 26dB BW & 99% OBW Antenna 1 (80MHz BW 802.11ac - Ch.122)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 27 of 158

V 12.0 03/03/2026

7.2.4 Antenna 1 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]
Band 3	5745	149	a	36Mbps	17.24
	5785	157	a	18Mbps	17.17
	5825	165	a	36Mbps	17.23
	5745	149	n (20MHz)	MCS5	18.27
	5785	157	n (20MHz)	MCS5	18.25
	5825	165	n (20MHz)	MCS5	18.30
	5745	149	ax (SU) (20MHz)	MCS3	19.31
	5785	157	ax (SU) (20MHz)	MCS3	19.29
	5825	165	ax (SU) (20MHz)	MCS3	19.33
	5755	151	n (40MHz)	MCS3	36.69
	5795	159	n (40MHz)	MCS5	36.74
	5755	151	ax (SU) (40MHz)	MCS0	37.96
	5795	159	ax (SU) (40MHz)	MCS0	37.85
	5775	155	ac (80MHz)	MCS0	75.90
	5775	155	ax (SU) (80MHz)	MCS0	77.77

Table 7-5. Conducted Bandwidth Measurements Antenna 1

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 28 of 158

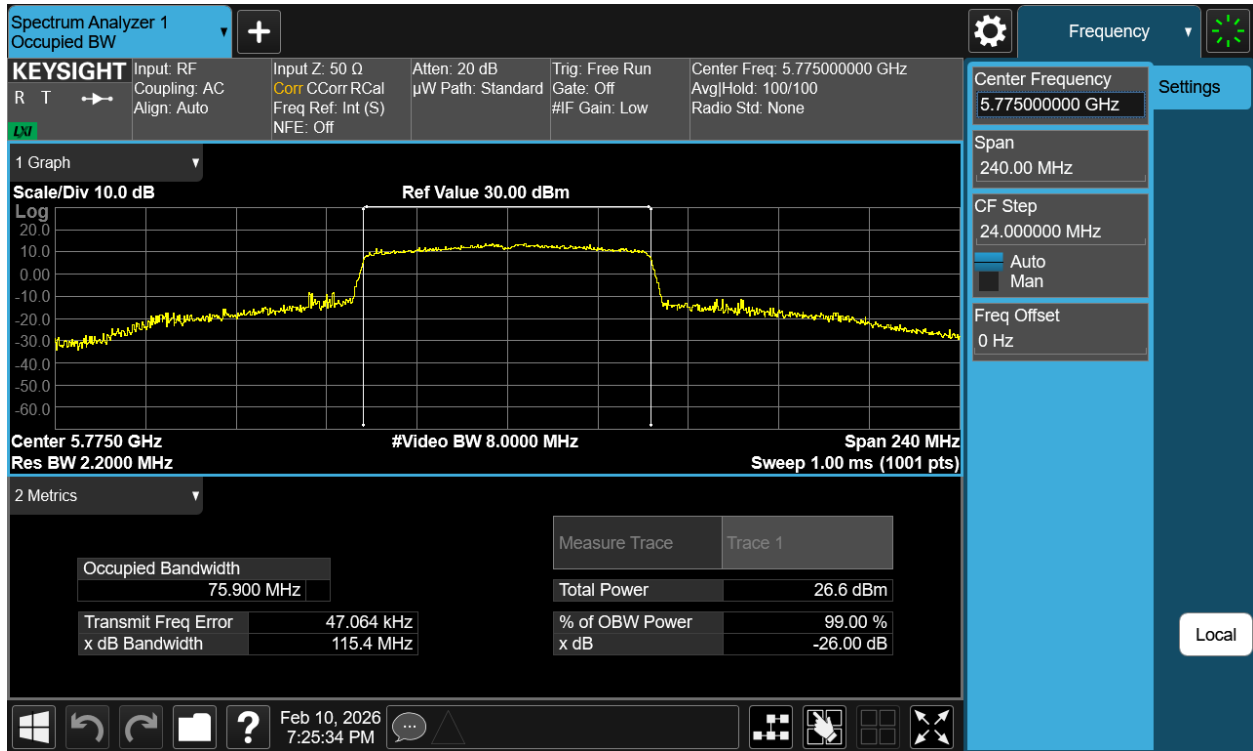


Plot 7-10 99% OBW Antenna 1 (20MHz BW 802.11a - Ch.157)



Plot 7-11 99% OBW Antenna 1 (40MHz BW 802.11n - Ch.151)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 29 of 158



Plot 7-12 99% OBW Antenna 1 (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 30 of 158

7.3 6 dB Bandwidth Measurement

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal 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. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

In the 5.725 – 5.850GHz band, the 6dB bandwidth must be ≥ 500 kHz.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Section 12.5.1
KDB 789033 D02 v02r01 – Section C

Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 6$. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100 kHz
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

Test Setup

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



Figure 7-2. Test Instrument & Measurement Setup

Test Notes

1. All data rates and channels (low, mid, and high) were investigated, and tabular data provided. Only worst-case plots for each bandwidth are reported.

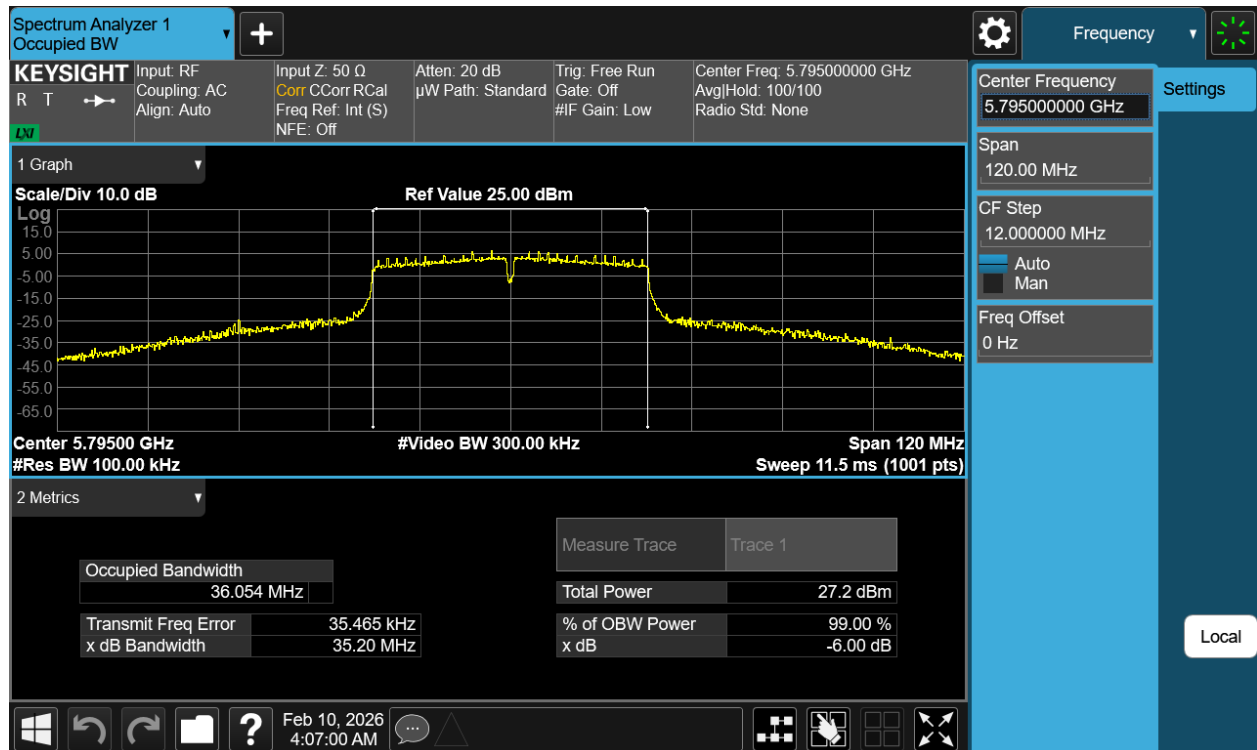
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 31 of 158

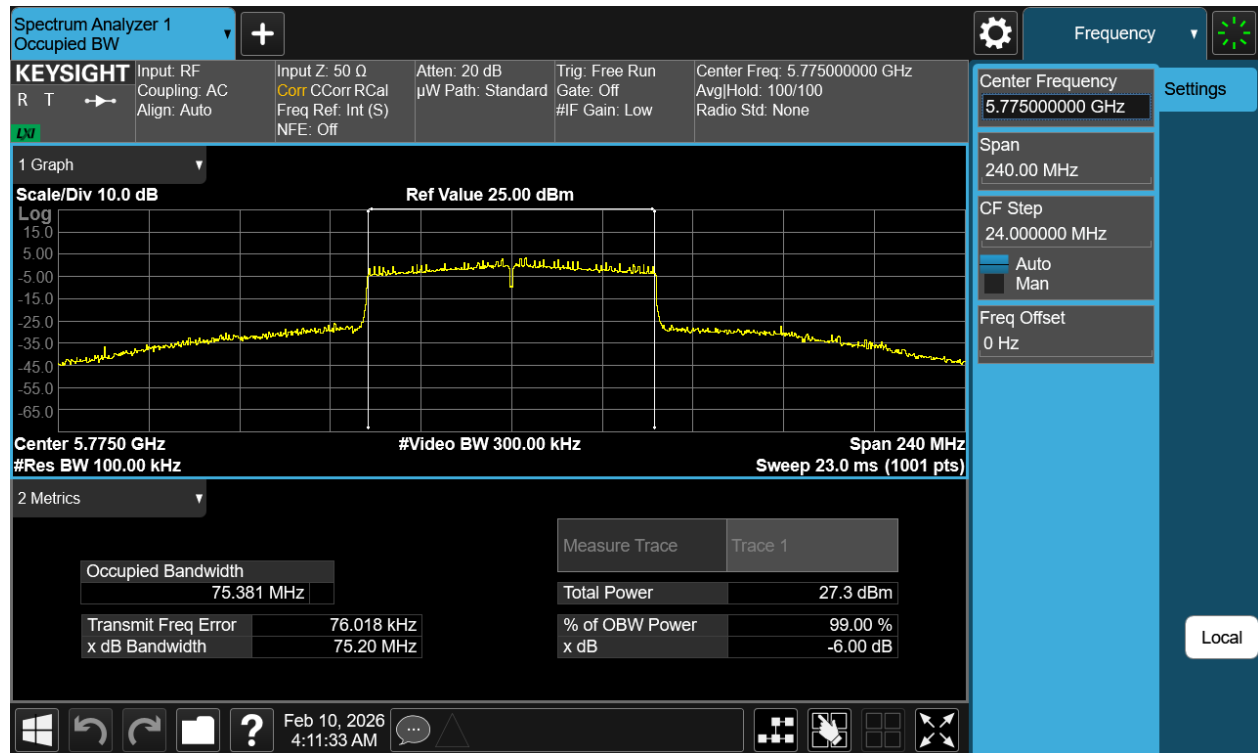
7.3.1 Antenna 0 6dB Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	a	6Mbps	16.41	0.50	Pass
	5785	157	a	6Mbps	16.43	0.50	Pass
	5825	165	a	6Mbps	16.45	0.50	Pass
	5745	149	n (20MHz)	MCS0	17.67	0.50	Pass
	5785	157	n (20MHz)	MCS0	17.63	0.50	Pass
	5825	165	n (20MHz)	MCS0	17.61	0.50	Pass
	5745	149	ax (SU) (20MHz)	MCS0	19.05	0.50	Pass
	5785	157	ax (SU) (20MHz)	MCS0	18.94	0.50	Pass
	5825	165	ax (SU) (20MHz)	MCS0	19.01	0.50	Pass
	5755	151	n (40MHz)	MCS0	35.21	0.50	Pass
	5795	159	n (40MHz)	MCS0	35.20	0.50	Pass
	5755	151	ax (SU) (40MHz)	MCS0	37.00	0.50	Pass
	5795	159	ax (SU) (40MHz)	MCS3	37.32	0.50	Pass
	5775	155	ac (80MHz)	MCS0	75.20	0.50	Pass
	5775	155	ax (SU) (80MHz)	MCS0	76.41	0.50	Pass

Table 7-6. Conducted Bandwidth Measurements Antenna 0

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 32 of 158





Plot 7-15 6dB OBW Antenna 0 (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 34 of 158

7.3.2 Antenna 1 6dB Bandwidth Measurements

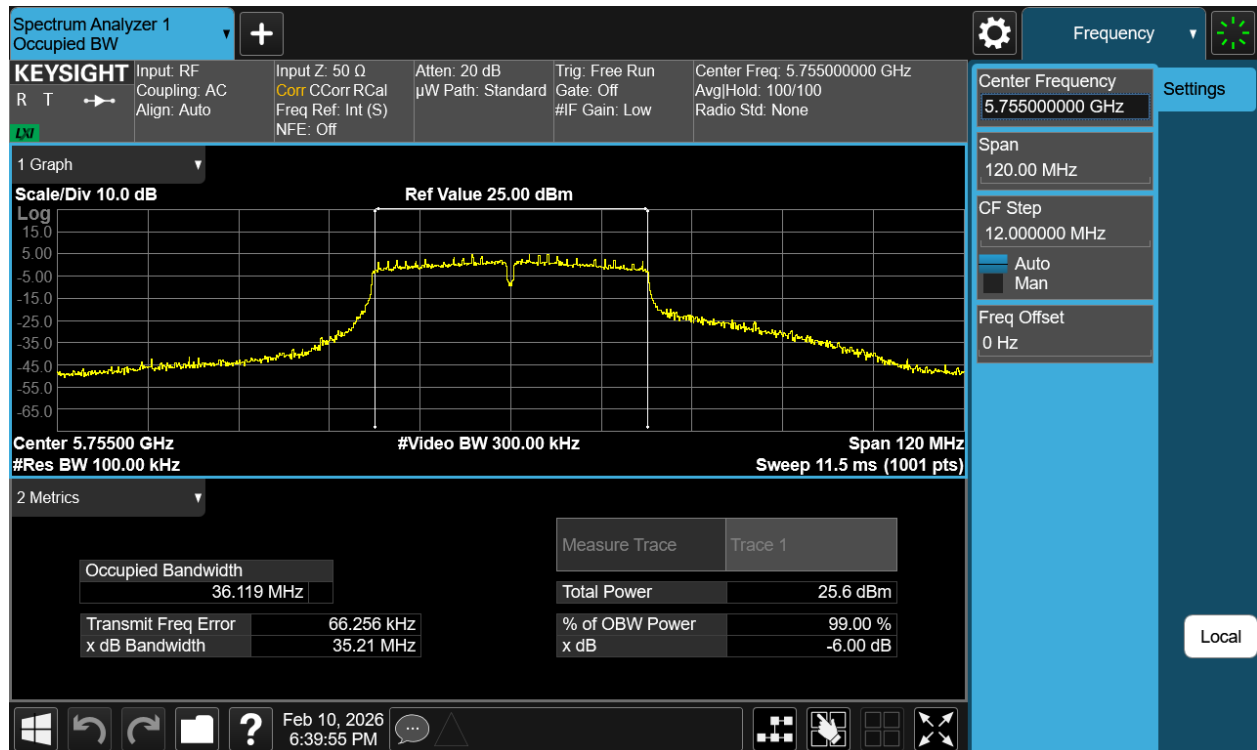
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	a	6Mbps	16.40	0.50	Pass
	5785	157	a	6Mbps	16.40	0.50	Pass
	5825	165	a	6Mbps	16.44	0.50	Pass
	5745	149	n (20MHz)	MCS0	17.57	0.50	Pass
	5785	157	n (20MHz)	MCS0	17.56	0.50	Pass
	5825	165	n (20MHz)	MCS0	17.22	0.50	Pass
	5745	149	ax (SU) (20MHz)	MCS0	18.97	0.50	Pass
	5785	157	ax (SU) (20MHz)	MCS0	19.02	0.50	Pass
	5825	165	ax (SU) (20MHz)	MCS0	18.92	0.50	Pass
	5755	151	n (40MHz)	MCS0	35.21	0.50	Pass
	5795	159	n (40MHz)	MCS0	35.21	0.50	Pass
	5755	151	ax (SU) (40MHz)	MCS0	36.37	0.50	Pass
	5795	159	ax (SU) (40MHz)	MCS0	36.24	0.50	Pass
	5775	155	ac (80MHz)	MCS0	75.11	0.50	Pass
	5775	155	ax (SU) (80MHz)	MCS3	76.07	0.50	Pass

Table 7-7. Conducted Bandwidth Measurements Antenna 1

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 35 of 158



Plot 7-16 6dB OBW Antenna 1 (20MHz BW 802.11a - Ch.149)



Plot 7-17 6dB OBW Antenna 1 (40MHz BW 802.11n - Ch.151)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 36 of 158

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.4 Conducted Output Power and Max EIRP Measurement

Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter 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. B is the 99% OBW per ISSED RSS-247 and 26dB BW is per FCC 15.407.

In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm). The maximum e.i.r.p. shall not exceed the lesser of 200 mW or $10 + 10 \log_{10}(B)$, dBm.

In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or 11 dBm + $10 \log_{10}(B)$. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or $17 + 10 \log_{10}(B)$, dBm.

In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or 11 dBm + $10 \log_{10}(B)$. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or $17 + 10 \log_{10}(B)$, dBm.

In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm). The maximum e.i.r.p. is 36 dBm.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Section 12.4.3.2 Method PM-G

KDB 789033 D02 v02r01 – Section E3)b) Method PM-G

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Section 14.4 Measure-and-Sum Technique

KDB 662911 v02r01 – Section E1) Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

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



Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 38 of 158

7.4.1 FCC Antenna 0 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	18Mbps	16.30	23.98	-7.68
	5200	40	6Mbps	16.34	23.98	-7.64
	5240	48	36Mbps	16.42	23.98	-7.56
	5260	52	36Mbps	16.23	23.98	-7.75
	5300	60	18Mbps	14.13	23.98	-9.85
	5320	64	18Mbps	16.27	23.98	-7.71
	5500	100	18Mbps	16.31	23.98	-7.67
	5580	116	36Mbps	16.44	23.98	-7.54
	5680	136	18Mbps	16.36	23.98	-7.62
	5700	140	6Mbps	14.70	23.98	-9.28
	5720	144	6Mbps	16.43	23.98	-7.55
	5745	149	18Mbps	16.42	30.00	-13.58
	5785	157	6Mbps	16.40	30.00	-13.60
	5825	165	6Mbps	16.43	30.00	-13.57

Table 7-8. FCC Antenna 0 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS3	16.23	23.98	-7.75
	5200	40	MCS0	16.26	23.98	-7.72
	5240	48	MCS5	16.36	23.98	-7.62
	5260	52	MCS5	16.18	23.98	-7.80
	5300	60	MCS5	14.48	23.98	-9.50
	5320	64	MCS3	16.23	23.98	-7.75
	5500	100	MCS3	16.25	23.98	-7.73
	5580	116	MCS5	16.38	23.98	-7.60
	5680	136	MCS3	16.30	23.98	-7.68
	5700	140	MCS0	14.66	23.98	-9.32
	5720	144	MCS5	16.49	23.98	-7.49
	5745	149	MCS3	16.28	30.00	-13.73
	5785	157	MCS3	16.40	30.00	-13.60
	5825	165	MCS5	16.33	30.00	-13.67

Table 7-9. FCC Antenna 0 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		
				Page 39 of 158

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS3	16.42	23.98	-7.56
	5200	40	MCS3	16.48	23.98	-7.50
	5240	48	MCS5	16.31	23.98	-7.67
	5260	52	MCS0	16.30	23.98	-7.68
	5300	60	MCS5	14.41	23.98	-9.57
	5320	64	MCS3	16.40	23.98	-7.58
	5500	100	MCS0	16.48	23.98	-7.50
	5580	116	MCS3	16.39	23.98	-7.59
	5680	136	MCS3	16.40	23.98	-7.58
	5700	140	MCS3	13.95	23.98	-10.03
	5720	144	MCS0	16.05	23.98	-7.93
	5745	149	MCS3	16.47	30.00	-13.53
	5785	157	MCS5	16.25	30.00	-13.75
	5825	165	MCS5	16.27	30.00	-13.73

Table 7-10. FCC Antenna 0 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	14.06	23.98	-9.92
	5230	46	MCS0	17.20	23.98	-6.78
	5270	54	MCS0	17.59	23.98	-6.39
	5310	62	MCS0	14.12	23.98	-9.86
	5510	102	MCS0	13.08	23.98	-10.90
	5550	110	MCS0	17.36	23.98	-6.62
	5590	118	MCS0	17.69	23.98	-6.29
	5670	134	MCS0	16.68	23.98	-7.30
	5710	142	MCS3	17.93	23.98	-6.05
	5755	151	MCS3	17.82	30.00	-12.18
	5795	159	MCS3	17.98	30.00	-12.03

Table 7-11. FCC Antenna 0 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 40 of 158

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	12.68	23.98	-11.30
	5230	46	MCS0	17.44	23.98	-6.54
	5270	54	MCS3	17.81	23.98	-6.17
	5310	62	MCS0	13.19	23.98	-10.79
	5510	102	MCS0	12.23	23.98	-11.75
	5550	110	MCS3	16.61	23.98	-7.37
	5590	118	MCS3	17.95	23.98	-6.03
	5670	134	MCS0	16.43	23.98	-7.55
	5710	142	MCS5	17.57	23.98	-6.41
	5755	151	MCS0	17.93	30.00	-12.08
	5795	159	MCS5	17.95	30.00	-12.05

Table 7-12. FCC Antenna 0 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS0	11.71	23.98	-12.27
	5290	58	MCS0	11.94	23.98	-12.04
	5530	106	MCS0	12.16	23.98	-11.82
	5610	122	MCS0	17.84	23.98	-6.14
	5690	138	MCS3	17.92	23.98	-6.06
	5775	155	MCS0	16.46	30.00	-13.54

Table 7-13. FCC Antenna 0 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS3	11.50	23.98	-12.48
	5290	58	MCS3	11.10	23.98	-12.88
	5530	106	MCS0	11.37	23.98	-12.61
	5610	122	MCS0	16.19	23.98	-7.79
	5690	138	MCS5	17.86	23.98	-6.12
	5775	155	MCS0	15.74	30.00	-14.26

Table 7-14. FCC Antenna 0 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 41 of 158

7.4.2 ISED Antenna 0 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	6Mbps	14.96	-	-	4.24	19.20	23.01	-3.81
	5200	40	6Mbps	14.97	-	-	4.24	19.21	23.01	-3.80
	5240	48	36Mbps	14.83	-	-	4.24	19.07	23.01	-3.94
	5260	52	36Mbps	16.23	23.98	-7.75	5.29	21.52	30.00	-8.48
	5300	60	18Mbps	14.13	23.98	-9.85	5.29	19.42	30.00	-10.58
	5320	64	18Mbps	16.27	23.98	-7.71	5.29	21.56	30.00	-8.44
	5500	100	18Mbps	16.31	23.98	-7.67	4.88	21.19	30.00	-8.81
	5580	116	36Mbps	16.44	23.98	-7.54	4.88	21.32	30.00	-8.68
	5680	136	18Mbps	16.36	23.98	-7.62	4.88	21.24	30.00	-8.76
	5700	140	6Mbps	14.70	23.98	-9.28	4.88	19.58	30.00	-10.42
	5720	144	6Mbps	16.43	23.98	-7.55	4.88	21.31	30.00	-8.69
	5745	149	18Mbps	16.42	30.00	-13.58	4.60	21.02	-	-
	5785	157	6Mbps	16.40	30.00	-13.60	4.60	21.00	-	-
	5825	165	6Mbps	16.43	30.00	-13.57	4.60	21.03	-	-

Table 7-15. ISED Antenna 0 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS3	14.85	-	-	4.24	19.09	23.01	-3.92
	5200	40	MCS3	14.91	-	-	4.24	19.15	23.01	-3.86
	5240	48	MCS3	14.89	-	-	4.24	19.13	23.01	-3.88
	5260	52	MCS5	16.18	23.98	-7.80	5.29	21.47	30.00	-8.53
	5300	60	MCS5	14.48	23.98	-9.50	5.29	19.77	30.00	-10.23
	5320	64	MCS3	16.23	23.98	-7.75	5.29	21.52	30.00	-8.48
	5500	100	MCS3	16.25	23.98	-7.73	4.88	21.13	30.00	-8.88
	5580	116	MCS5	16.38	23.98	-7.60	4.88	21.26	30.00	-8.74
	5680	136	MCS3	16.30	23.98	-7.68	4.88	21.18	30.00	-8.82
	5700	140	MCS0	14.66	23.98	-9.32	4.88	19.54	30.00	-10.46
	5720	144	MCS5	16.49	23.98	-7.49	4.88	21.37	30.00	-8.63
	5745	149	MCS3	16.28	30.00	-13.73	4.60	20.88	-	-
	5785	157	MCS3	16.40	30.00	-13.60	4.60	21.00	-	-
	5825	165	MCS5	16.33	30.00	-13.67	4.60	20.93	-	-

Table 7-16. ISED Antenna 0 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS5	15.49	-	-	4.24	19.73	23.01	-3.28
	5200	40	MCS0	15.36	-	-	4.24	19.60	23.01	-3.41
	5240	48	MCS0	15.49	-	-	4.24	19.73	23.01	-3.28
	5260	52	MCS0	16.30	23.98	-7.68	5.29	21.59	30.00	-8.41
	5300	60	MCS5	14.41	23.98	-9.57	5.29	19.70	30.00	-10.30
	5320	64	MCS3	16.40	23.98	-7.58	5.29	21.69	30.00	-8.31
	5500	100	MCS0	16.48	23.98	-7.50	4.88	21.36	30.00	-8.64
	5580	116	MCS3	16.39	23.98	-7.59	4.88	21.27	30.00	-8.73
	5680	136	MCS3	16.40	23.98	-7.58	4.88	21.28	30.00	-8.72
	5700	140	MCS3	13.95	23.98	-10.03	4.88	18.83	30.00	-11.17
	5720	144	MCS0	16.05	23.98	-7.93	4.88	20.93	30.00	-9.07
	5745	149	MCS3	16.47	30.00	-13.53	4.60	21.07	-	-
	5785	157	MCS5	16.25	30.00	-13.75	4.60	20.85	-	-
	5825	165	MCS5	16.27	30.00	-13.73	4.60	20.87	-	-

Table 7-17. ISED Antenna 0 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 42 of 158

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	14.07	-	-	4.24	18.31	23.01	-4.70
	5230	46	MCS3	17.27	-	-	4.24	21.51	23.01	-1.50
	5270	54	MCS0	17.59	23.98	-6.39	5.29	22.88	30.00	-7.12
	5310	62	MCS0	14.12	23.98	-9.86	5.29	19.41	30.00	-10.59
	5510	102	MCS0	13.08	23.98	-10.90	4.88	17.96	30.00	-12.04
	5550	110	MCS0	17.36	23.98	-6.62	4.88	22.24	30.00	-7.76
	5590	118	MCS0	17.69	23.98	-6.29	4.88	22.57	30.00	-7.43
	5670	134	MCS0	16.68	23.98	-7.30	4.88	21.56	30.00	-8.44
	5710	142	MCS3	17.93	23.98	-6.05	4.88	22.81	30.00	-7.19
	5755	151	MCS3	17.82	30.00	-12.18	4.60	22.42	-	-
	5795	159	MCS3	17.98	30.00	-12.03	4.60	22.58	-	-

Table 7-18. ISED Antenna 0 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	12.78	-	-	4.24	17.02	23.01	-5.99
	5230	46	MCS3	17.50	-	-	4.24	21.74	23.01	-1.27
	5270	54	MCS3	17.81	23.98	-6.17	5.29	23.10	30.00	-6.90
	5310	62	MCS0	13.19	23.98	-10.79	5.29	18.48	30.00	-11.52
	5510	102	MCS0	12.23	23.98	-11.75	4.88	17.11	30.00	-12.89
	5550	110	MCS3	16.61	23.98	-7.37	4.88	21.49	30.00	-8.51
	5590	118	MCS3	17.95	23.98	-6.03	4.88	22.83	30.00	-7.18
	5670	134	MCS0	16.43	23.98	-7.55	4.88	21.31	30.00	-8.69
	5710	142	MCS5	17.57	23.98	-6.41	4.88	22.45	30.00	-7.56
	5755	151	MCS0	17.93	30.00	-12.08	4.60	22.53	-	-
	5795	159	MCS5	17.95	30.00	-12.05	4.60	22.55	-	-

Table 7-19. ISED Antenna 0 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS0	11.77	-	-	4.24	16.01	23.01	-7.00
	5290	58	MCS0	11.94	23.98	-12.04	5.29	17.23	30.00	-12.77
	5530	106	MCS0	12.16	23.98	-11.82	4.88	17.04	30.00	-12.96
	5610	122	MCS0	17.84	23.98	-6.14	4.88	22.72	30.00	-7.28
	5690	138	MCS3	17.92	23.98	-6.06	4.88	22.80	30.00	-7.20
	5775	155	MCS0	16.46	30.00	-13.54	4.60	21.06	-	-

Table 7-20. ISED Antenna 0 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS0	11.49	-	-	4.24	15.73	23.01	-7.28
	5290	58	MCS3	11.10	23.98	-12.88	5.29	16.39	30.00	-13.61
	5530	106	MCS0	11.37	23.98	-12.61	4.88	16.25	30.00	-13.75
	5610	122	MCS0	16.19	23.98	-7.79	4.88	21.07	30.00	-8.93
	5690	138	MCS5	17.86	23.98	-6.12	4.88	22.74	30.00	-7.26
	5775	155	MCS0	15.74	30.00	-14.26	4.60	20.34	-	-

Table 7-21. ISED Antenna 0 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 43 of 158

7.4.3 FCC Antenna 1 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	18Mbps	16.29	23.98	-7.69
	5200	40	18Mbps	16.39	23.98	-7.59
	5240	48	36Mbps	16.21	23.98	-7.77
	5260	52	36Mbps	16.13	23.98	-7.85
	5300	60	18Mbps	14.36	23.98	-9.62
	5320	64	18Mbps	16.50	23.98	-7.48
	5500	100	18Mbps	16.33	23.98	-7.65
	5580	116	36Mbps	16.08	23.98	-7.90
	5680	136	18Mbps	16.28	23.98	-7.70
	5700	140	6Mbps	14.65	23.98	-9.33
	5720	144	36Mbps	16.25	23.98	-7.73
	5745	149	18Mbps	16.20	30.00	-13.80
	5785	157	6Mbps	16.43	30.00	-13.57
	5825	165	18Mbps	16.32	30.00	-13.68

Table 7-22. FCC Antenna 1 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS3	16.24	23.98	-7.74
	5200	40	MCS0	16.33	23.98	-7.65
	5240	48	MCS5	16.16	23.98	-7.82
	5260	52	MCS5	16.13	23.98	-7.85
	5300	60	MCS3	14.38	23.98	-9.60
	5320	64	MCS0	16.45	23.98	-7.53
	5500	100	MCS3	16.26	23.98	-7.72
	5580	116	MCS5	16.50	23.98	-7.48
	5680	136	MCS3	16.24	23.98	-7.74
	5700	140	MCS0	14.65	23.98	-9.33
	5720	144	MCS5	16.17	23.98	-7.81
	5745	149	MCS5	16.48	30.00	-13.52
	5785	157	MCS5	16.47	30.00	-13.53
	5825	165	MCS0	16.32	30.00	-13.69

Table 7-23. FCC Antenna 1 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 44 of 158

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS3	16.36	23.98	-7.62
	5200	40	MCS3	16.40	23.98	-7.58
	5240	48	MCS5	16.50	23.98	-7.48
	5260	52	MCS0	16.21	23.98	-7.77
	5300	60	MCS0	14.50	23.98	-9.48
	5320	64	MCS3	16.19	23.98	-7.79
	5500	100	MCS0	16.32	23.98	-7.66
	5580	116	MCS5	16.19	23.98	-7.79
	5680	136	MCS3	16.41	23.98	-7.57
	5700	140	MCS3	13.86	23.98	-10.12
	5720	144	MCS0	16.26	23.98	-7.72
	5745	149	MCS5	16.45	30.00	-13.55
	5785	157	MCS5	16.41	30.00	-13.59
	5825	165	MCS5	16.47	30.00	-13.54

Table 7-24. FCC Antenna 1 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	14.45	23.98	-9.53
	5230	46	MCS5	17.50	23.98	-6.48
	5270	54	MCS3	17.97	23.98	-6.01
	5310	62	MCS0	14.33	23.98	-9.65
	5510	102	MCS0	13.12	23.98	-10.86
	5550	110	MCS0	17.38	23.98	-6.60
	5590	118	MCS0	18.00	23.98	-5.98
	5670	134	MCS3	16.97	23.98	-7.01
	5710	142	MCS5	17.64	23.98	-6.34
	5755	151	MCS0	17.94	30.00	-12.06
	5795	159	MCS3	17.94	30.00	-12.06

Table 7-25. FCC Antenna 1 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 45 of 158

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	12.66	23.98	-11.32
	5230	46	MCS3	17.23	23.98	-6.75
	5270	54	MCS3	17.79	23.98	-6.19
	5310	62	MCS0	13.42	23.98	-10.56
	5510	102	MCS0	12.24	23.98	-11.74
	5550	110	MCS0	16.62	23.98	-7.36
	5590	118	MCS5	17.83	23.98	-6.15
	5670	134	MCS0	15.94	23.98	-8.04
	5710	142	MCS5	17.90	23.98	-6.08
	5755	151	MCS0	17.97	30.00	-12.03
	5795	159	MCS3	17.84	30.00	-12.16

Table 7-26. FCC Antenna 1 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS0	11.66	23.98	-12.32
	5290	58	MCS0	11.77	23.98	-12.21
	5530	106	MCS0	12.19	23.98	-11.79
	5610	122	MCS0	17.57	23.98	-6.41
	5690	138	MCS5	17.71	23.98	-6.27
	5775	155	MCS0	16.46	30.00	-13.54

Table 7-27. FCC Antenna 1 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS3	11.36	23.98	-12.62
	5290	58	MCS3	11.02	23.98	-12.96
	5530	106	MCS0	11.45	23.98	-12.53
	5610	122	MCS0	16.29	23.98	-7.69
	5690	138	MCS0	17.98	23.98	-6.00
	5775	155	MCS0	15.70	30.00	-14.30

Table 7-28. FCC Antenna 1 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 46 of 158

7.4.4 ISED Antenna 1 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	18Mbps	14.77	-	-	3.98	18.75	23.01	-4.27
	5200	40	36Mbps	14.86	-	-	3.98	18.84	23.01	-4.17
	5240	48	6Mbps	14.84	-	-	3.98	18.82	23.01	-4.19
	5260	52	36Mbps	16.13	23.98	-7.85	3.66	19.79	30.00	-10.21
	5300	60	18Mbps	14.36	23.98	-9.62	3.66	18.02	30.00	-11.98
	5320	64	18Mbps	16.50	23.98	-7.48	3.66	20.16	30.00	-9.84
	5500	100	18Mbps	16.33	23.98	-7.65	4.05	20.38	30.00	-9.62
	5580	116	36Mbps	16.08	23.98	-7.90	4.05	20.13	30.00	-9.88
	5680	136	18Mbps	16.28	23.98	-7.70	4.05	20.33	30.00	-9.67
	5700	140	6Mbps	14.65	23.98	-9.33	4.05	18.70	30.00	-11.30
	5720	144	36Mbps	16.25	23.98	-7.73	4.05	20.30	30.00	-9.70
	5745	149	18Mbps	16.20	30.00	-13.80	4.59	20.79	-	-
	5785	157	6Mbps	16.43	30.00	-13.57	4.59	21.02	-	-
	5825	165	18Mbps	16.32	30.00	-13.68	4.59	20.91	-	-

Table 7-29. ISED Antenna 1 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS3	14.76	-	-	3.98	18.74	23.01	-4.27
	5200	40	MCS0	14.81	-	-	3.98	18.79	23.01	-4.22
	5240	48	MCS3	14.60	-	-	3.98	18.58	23.01	-4.43
	5260	52	MCS5	16.13	23.98	-7.85	3.66	19.79	30.00	-10.21
	5300	60	MCS3	14.38	23.98	-9.60	3.66	18.04	30.00	-11.96
	5320	64	MCS0	16.45	23.98	-7.53	3.66	20.11	30.00	-9.89
	5500	100	MCS3	16.26	23.98	-7.72	4.05	20.31	30.00	-9.69
	5580	116	MCS5	16.50	23.98	-7.48	4.05	20.55	30.00	-9.45
	5680	136	MCS3	16.24	23.98	-7.74	4.05	20.29	30.00	-9.71
	5700	140	MCS0	14.65	23.98	-9.33	4.05	18.70	30.00	-11.30
	5720	144	MCS5	16.17	23.98	-7.81	4.05	20.22	30.00	-9.78
	5745	149	MCS5	16.48	30.00	-13.52	4.59	21.07	-	-
	5785	157	MCS5	16.47	30.00	-13.53	4.59	21.06	-	-
	5825	165	MCS0	16.32	30.00	-13.69	4.59	20.91	-	-

Table 7-30. ISED Antenna 1 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS3	15.39	-	-	3.98	19.37	23.01	-3.64
	5200	40	MCS3	15.40	-	-	3.98	19.38	23.01	-3.63
	5240	48	MCS0	15.16	-	-	3.98	19.14	23.01	-3.87
	5260	52	MCS0	16.21	23.98	-7.77	3.66	19.87	30.00	-10.13
	5300	60	MCS0	14.50	23.98	-9.48	3.66	18.16	30.00	-11.84
	5320	64	MCS3	16.19	23.98	-7.79	3.66	19.85	30.00	-10.15
	5500	100	MCS0	16.32	23.98	-7.66	4.05	20.37	30.00	-9.63
	5580	116	MCS5	16.19	23.98	-7.79	4.05	20.24	30.00	-9.76
	5680	136	MCS3	16.41	23.98	-7.57	4.05	20.46	30.00	-9.54
	5700	140	MCS3	13.86	23.98	-10.12	4.05	17.91	30.00	-12.09
	5720	144	MCS0	16.26	23.98	-7.72	4.05	20.31	30.00	-9.69
	5745	149	MCS5	16.45	30.00	-13.55	4.59	21.04	-	-
	5785	157	MCS5	16.41	30.00	-13.59	4.59	21.00	-	-
	5825	165	MCS5	16.47	30.00	-13.54	4.59	21.06	-	-

Table 7-31. ISED Antenna 1 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 47 of 158

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	14.45	-	-	3.98	18.43	23.01	-4.58
	5230	46	MCS5	17.50	-	-	3.98	21.48	23.01	-1.53
	5270	54	MCS3	17.97	23.98	-6.01	3.66	21.63	30.00	-8.37
	5310	62	MCS0	14.33	23.98	-9.65	3.66	17.99	30.00	-12.01
	5510	102	MCS0	13.12	23.98	-10.86	4.05	17.17	30.00	-12.83
	5550	110	MCS0	17.38	23.98	-6.60	4.05	21.43	30.00	-8.57
	5590	118	MCS0	18.00	23.98	-5.98	4.05	22.05	30.00	-7.95
	5670	134	MCS3	16.97	23.98	-7.01	4.05	21.02	30.00	-8.98
	5710	142	MCS5	17.64	23.98	-6.34	4.05	21.69	30.00	-8.32
	5755	151	MCS0	17.94	30.00	-12.06	4.59	22.53	-	-
	5795	159	MCS3	17.94	30.00	-12.06	4.59	22.53	-	-

Table 7-32. ISED Antenna 1 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	12.66	-	-	3.98	16.64	23.01	-6.37
	5230	46	MCS0	17.23	-	-	3.98	21.21	23.01	-1.80
	5270	54	MCS3	17.79	23.98	-6.19	3.66	21.45	30.00	-8.55
	5310	62	MCS0	13.42	23.98	-10.56	3.66	17.08	30.00	-12.92
	5510	102	MCS0	12.24	23.98	-11.74	4.05	16.29	30.00	-13.71
	5550	110	MCS0	16.62	23.98	-7.36	4.05	20.67	30.00	-9.33
	5590	118	MCS5	17.83	23.98	-6.15	4.05	21.88	30.00	-8.12
	5670	134	MCS0	15.94	23.98	-8.04	4.05	19.99	30.00	-10.01
	5710	142	MCS5	17.90	23.98	-6.08	4.05	21.95	30.00	-8.05
	5755	151	MCS0	17.97	30.00	-12.03	4.59	22.56	-	-
	5795	159	MCS3	17.84	30.00	-12.16	4.59	22.43	-	-

Table 7-33. ISED Antenna 1 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS0	11.66	-	-	3.98	15.64	23.01	-7.37
	5290	58	MCS0	11.77	23.98	-12.21	3.66	15.43	30.00	-14.57
	5530	106	MCS0	12.19	23.98	-11.79	4.05	16.24	30.00	-13.76
	5610	122	MCS0	17.57	23.98	-6.41	4.05	21.62	30.00	-8.38
	5690	138	MCS5	17.71	23.98	-6.27	4.05	21.76	30.00	-8.24
	5775	155	MCS0	16.46	30.00	-13.54	4.59	21.05	-	-

Table 7-34. ISED Antenna 1 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS3	11.36	-	-	3.98	15.34	23.01	-7.67
	5290	58	MCS3	11.02	23.98	-12.96	3.66	14.68	30.00	-15.32
	5530	106	MCS0	11.45	23.98	-12.53	4.05	15.50	30.00	-14.50
	5610	122	MCS0	16.29	23.98	-7.69	4.05	20.34	30.00	-9.66
	5690	138	MCS0	17.98	23.98	-6.00	4.05	22.03	30.00	-7.97
	5775	155	MCS0	15.70	30.00	-14.30	4.59	20.29	-	-

Table 7-35. ISED Antenna 1 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 48 of 158

7.4.5 FCC CDD/SDM Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 0	Antenna 1	Summed		
	5180	36	CDD	MCS3	15.90	15.65	18.79	23.98	-5.19
	5200	40	CDD	MCS0	15.65	15.92	18.80	23.98	-5.18
	5240	48	CDD	MCS3	15.99	15.42	18.72	23.98	-5.26
	5260	52	CDD	MCS5	15.61	15.59	18.61	23.98	-5.37
	5300	60	CDD	MCS5	13.90	13.63	16.78	23.98	-7.20
	5320	64	CDD	MCS3	15.73	15.51	18.63	23.98	-5.35
	5500	100	CDD	MCS3	15.71	15.81	18.77	23.98	-5.21
	5580	116	CDD	MCS0	15.88	15.46	18.69	23.98	-5.29
	5680	136	CDD	MCS3	15.79	15.72	18.77	23.98	-5.21
	5700	140	CDD	MCS0	14.11	14.10	17.12	23.98	-6.86
	5720	144	CDD	MCS5	15.93	15.68	18.82	23.98	-5.16
	5745	149	CDD	MCS5	15.97	15.97	18.98	30.00	-11.02
	5785	157	CDD	MCS0	15.84	15.93	18.90	30.00	-11.10
	5825	165	CDD	MCS0	15.97	15.70	18.84	30.00	-11.16

Table 7-36. FCC CDD 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 0	Antenna 1	Summed		
	5180	36	CDD	MCS3	15.86	15.86	18.87	23.98	-5.11
	5200	40	CDD	MCS3	15.94	15.96	18.96	23.98	-5.02
	5240	48	CDD	MCS5	15.78	15.98	18.89	23.98	-5.09
	5260	52	CDD	MCS5	15.92	16.00	18.97	23.98	-5.01
	5300	60	CDD	MCS0	13.77	14.00	16.90	23.98	-7.08
	5320	64	CDD	MCS3	15.68	15.66	18.68	23.98	-5.30
	5500	100	CDD	MCS0	15.25	15.36	18.32	23.98	-5.66
	5520	104	CDD	MCS0	15.72	15.91	18.83	23.98	-5.15
	5580	116	CDD	MCS0	15.83	15.60	18.73	23.98	-5.25
	5680	136	CDD	MCS3	15.93	15.89	18.92	23.98	-5.06
	5700	140	CDD	MCS3	13.28	13.35	16.32	23.98	-7.66
	5720	144	CDD	MCS3	15.99	15.81	18.91	23.98	-5.07
	5745	149	CDD	MCS3	15.92	15.89	18.91	30.00	-11.09
	5785	157	CDD	MCS5	15.71	15.94	18.84	30.00	-11.16
	5825	165	CDD	MCS3	15.68	15.93	18.82	30.00	-11.18

Table 7-37. FCC CDD 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 0	Antenna 1	Summed		
	5190	38	CDD	MCS0	13.66	14.00	16.84	23.98	-7.14
	5230	46	CDD	MCS3	17.05	17.47	20.28	23.98	-3.70
	5270	54	CDD	MCS3	17.81	18.00	20.92	23.98	-3.06
	5310	62	CDD	MCS3	13.84	13.78	16.82	23.98	-7.16
	5510	102	CDD	MCS0	13.00	12.61	15.82	23.98	-8.16
	5550	110	CDD	MCS0	16.90	16.87	19.89	23.98	-4.09
	5590	118	CDD	MCS3	17.75	17.92	20.85	23.98	-3.13
	5670	134	CDD	MCS3	16.49	16.33	19.42	23.98	-4.56
	5710	142	CDD	MCS5	17.66	17.62	20.65	23.98	-3.33
	5755	151	CDD	MCS5	17.66	17.88	20.78	30.00	-9.22
	5795	159	CDD	MCS0	17.96	17.96	20.97	30.00	-9.03

Table 7-38. FCC CDD 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 49 of 158

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 0	Antenna 1	Summed		
	5190	38	CDD	MCS0	12.14	12.21	15.19	23.98	-8.79
	5230	46	CDD	MCS0	17.33	17.17	20.26	23.98	-3.72
	5270	54	CDD	MCS0	17.52	17.79	20.66	23.98	-3.32
	5310	62	CDD	MCS0	12.56	12.86	15.72	23.98	-8.26
	5510	102	CDD	MCS0	11.65	11.79	14.73	23.98	-9.25
	5550	110	CDD	MCS0	16.46	16.08	19.28	23.98	-4.70
	5590	118	CDD	MCS3	17.74	17.92	20.84	23.98	-3.14
	5670	134	CDD	MCS0	15.57	15.94	18.77	23.98	-5.21
	5710	142	CDD	MCS5	17.96	17.91	20.94	23.98	-3.04
	5755	151	CDD	MCS3	17.84	17.57	20.71	30.00	-9.29
	5795	159	CDD	MCS0	17.99	17.73	20.87	30.00	-9.13

Table 7-39. FCC CDD 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 0	Antenna 1	Summed		
	5210	42	CDD	MCS0	10.64	10.66	13.66	23.98	-10.32
	5290	58	CDD	MCS0	10.65	10.82	13.75	23.98	-10.23
	5530	106	CDD	MCS3	10.67	10.90	13.80	23.98	-10.18
	5610	122	CDD	MCS0	16.66	16.55	19.61	23.98	-4.37
	5690	138	CDD	MCS3	17.81	17.69	20.76	23.98	-3.22
	5775	155	CDD	MCS0	15.90	15.96	18.94	30.00	-11.06

Table 7-40. FCC CDD 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 0	Antenna 1	Summed		
	5210	42	CDD	MCS0	10.42	10.38	13.41	23.98	-10.57
	5290	58	CDD	MCS0	10.75	10.99	13.88	23.98	-10.10
	5530	106	CDD	MCS0	10.32	10.36	13.35	23.98	-10.63
	5610	122	CDD	MCS0	15.66	15.73	18.70	23.98	-5.28
	5690	138	CDD	MCS0	17.51	17.95	20.74	23.98	-3.24
	5775	155	CDD	MCS3	15.60	15.73	18.68	30.00	-11.32

Table 7-41. FCC CDD 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 50 of 158

7.4.6 ISED CDD/SDM Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 0	Antenna 1	Summed						
	5180	36	SDM	MCS5	12.46	12.43	15.46	-	-	4.11	19.57	23.01	-3.44
	5200	40	SDM	MCS5	12.48	12.04	15.28	-	-	4.11	19.39	23.01	-3.62
	5240	48	SDM	MCS0	12.35	12.49	15.43	-	-	4.11	19.54	23.01	-3.47
	5260	52	CDD	MCS5	15.61	15.59	18.61	23.98	-5.37	5.29	23.90	30.00	-6.10
	5300	60	CDD	MCS5	13.90	13.63	16.78	23.98	-7.20	5.29	22.07	30.00	-7.93
	5320	64	CDD	MCS3	15.73	15.51	18.63	23.98	-5.35	5.29	23.92	30.00	-6.08
	5500	100	CDD	MCS3	15.71	15.81	18.77	23.98	-5.21	4.88	23.65	30.00	-6.35
	5580	116	CDD	MCS0	15.88	15.46	18.69	23.98	-5.29	4.88	23.57	30.00	-6.43
	5680	136	CDD	MCS3	15.79	15.72	18.77	23.98	-5.21	4.88	23.65	30.00	-6.35
	5700	140	CDD	MCS0	14.11	14.10	17.12	23.98	-6.86	4.88	22.00	30.00	-8.00
	5720	144	CDD	MCS5	15.93	15.68	18.82	23.98	-5.16	4.88	23.70	30.00	-6.30
	5745	149	CDD	MCS5	15.97	15.97	18.98	30.00	-11.02	4.60	23.58	-	-
	5785	157	CDD	MCS0	15.84	15.93	18.90	30.00	-11.10	4.60	23.50	-	-
	5825	165	CDD	MCS0	15.97	15.70	18.85	30.00	-11.15	4.60	23.45	-	-

Table 7-42. ISED CDD/SDM 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 0	Antenna 1	Summed						
	5180	36	SDM	MCS3	12.35	12.32	15.35	-	-	4.11	19.46	23.01	-3.55
	5200	40	SDM	MCS5	12.47	12.37	15.43	-	-	4.11	19.54	23.01	-3.47
	5240	48	SDM	MCS5	12.27	12.45	15.37	-	-	4.11	19.48	23.01	-3.53
	5260	52	CDD	MCS5	15.92	16.00	18.97	23.98	-5.01	5.29	24.26	30.00	-5.74
	5300	60	CDD	MCS0	13.77	14.00	16.90	23.98	-7.08	5.29	22.19	30.00	-7.81
	5320	64	CDD	MCS3	15.68	15.66	18.68	23.98	-5.30	5.29	23.97	30.00	-6.03
	5500	100	CDD	MCS0	15.25	15.36	18.32	23.98	-5.66	4.88	23.20	30.00	-6.80
	5520	104	CDD	MCS0	15.72	15.91	18.83	23.98	-5.15	4.88	23.71	30.00	-6.29
	5580	116	CDD	MCS0	15.83	15.60	18.73	23.98	-5.25	4.88	23.61	30.00	-6.39
	5680	136	CDD	MCS3	15.93	15.89	18.92	23.98	-5.06	4.88	23.80	30.00	-6.20
	5700	140	CDD	MCS3	13.28	13.35	16.33	23.98	-7.65	4.88	21.21	30.00	-8.79
	5720	144	CDD	MCS3	15.99	15.81	18.91	23.98	-5.07	4.88	23.79	30.00	-6.21
	5745	149	CDD	MCS3	15.92	15.89	18.92	30.00	-11.08	4.60	23.52	-	-
	5785	157	CDD	MCS5	15.71	15.94	18.84	30.00	-11.16	4.60	23.44	-	-
	5825	165	CDD	MCS3	15.68	15.93	18.82	30.00	-11.18	4.60	23.42	-	-

Table 7-43. ISED CDD/SDM 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 0	Antenna 1	Summed						
	5190	38	CDD	MCS0	13.52	14.00	16.78	-	-	4.24	21.02	23.01	-1.99
	5230	46	CDD	MCS3	14.47	14.29	17.39	-	-	4.24	21.63	23.01	-1.38
	5270	54	CDD	MCS3	17.81	18.00	20.92	23.98	-3.06	5.29	26.21	30.00	-3.79
	5310	62	CDD	MCS3	13.84	13.78	16.82	23.98	-7.16	5.29	22.11	30.00	-7.89
	5510	102	CDD	MCS0	13.00	12.61	15.82	23.98	-8.16	4.88	20.70	30.00	-9.30
	5550	110	CDD	MCS0	16.90	16.87	19.89	23.98	-4.09	4.88	24.77	30.00	-5.23
	5590	118	CDD	MCS3	17.75	17.92	20.85	23.98	-3.13	4.88	25.73	30.00	-4.27
	5670	134	CDD	MCS3	16.49	16.33	19.42	23.98	-4.56	4.88	24.30	30.00	-5.70
	5710	142	CDD	MCS5	17.66	17.62	20.65	23.98	-3.33	4.88	25.53	30.00	-4.47
	5755	151	CDD	MCS5	17.66	17.88	20.78	30.00	-9.22	4.60	25.38	-	-
	5795	159	CDD	MCS0	17.96	17.96	20.97	30.00	-9.03	4.60	25.57	-	-

Table 7-44. ISED CDD/SDM 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 51 of 158

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 0	Antenna 1	Summed						
	5190	38	CDD	MCS0	12.22	12.15	15.20	-	-	4.24	19.44	23.01	-3.57
	5230	46	CDD	MCS0	14.25	14.49	17.38	-	-	4.24	21.62	23.01	-1.39
	5270	54	CDD	MCS0	17.52	17.79	20.66	23.98	-3.32	5.29	25.95	30.00	-4.05
	5310	62	CDD	MCS0	12.56	12.86	15.72	23.98	-8.26	5.29	21.01	30.00	-8.99
	5510	102	CDD	MCS0	11.65	11.79	14.73	23.98	-9.25	4.88	19.61	30.00	-10.39
	5550	110	CDD	MCS0	16.46	16.08	19.28	23.98	-4.70	4.88	24.16	30.00	-5.84
	5590	118	CDD	MCS3	17.74	17.92	20.84	23.98	-3.14	4.88	25.72	30.00	-4.28
	5670	134	CDD	MCS0	15.57	15.94	18.77	23.98	-5.21	4.88	23.65	30.00	-6.35
	5710	142	CDD	MCS5	17.96	17.91	20.94	23.98	-3.04	4.88	25.82	30.00	-4.18
	5755	151	CDD	MCS3	17.84	17.57	20.71	30.00	-9.29	4.60	25.31	-	-
	5795	159	CDD	MCS0	17.99	17.73	20.87	30.00	-9.13	4.60	25.47	-	-

Table 7-45. ISED CDD/SDM 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 0	Antenna 1	Summed						
	5210	42	CDD	MCS0	10.68	10.62	13.66	-	-	4.24	17.90	23.01	-5.11
	5290	58	CDD	MCS0	10.65	10.82	13.75	23.98	-10.23	5.29	19.04	30.00	-10.96
	5530	106	CDD	MCS3	10.67	10.90	13.80	23.98	-10.18	4.88	18.68	30.00	-11.32
	5610	122	CDD	MCS5	16.66	16.55	19.62	23.98	-4.36	4.88	24.50	30.00	-5.50
	5690	138	CDD	MCS3	17.81	17.69	20.76	23.98	-3.22	4.88	25.64	30.00	-4.36
	5775	155	CDD	MCS0	15.90	15.96	18.94	30.00	-11.06	4.60	23.54	-	-

Table 7-46. ISED CDD/SDM 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 0	Antenna 1	Summed						
	5210	42	CDD	MCS0	10.97	10.82	13.91	-	-	4.24	18.15	23.01	-4.86
	5290	58	CDD	MCS0	10.75	10.99	13.88	23.98	-10.10	5.29	19.17	30.00	-10.83
	5530	106	CDD	MCS0	10.32	10.36	13.35	23.98	-10.63	4.88	18.23	30.00	-11.77
	5610	122	CDD	MCS5	15.66	15.73	18.71	23.98	-5.27	4.88	23.59	30.00	-6.41
	5690	138	CDD	MCS0	17.51	17.95	20.74	23.98	-3.24	4.88	25.62	30.00	-4.38
	5775	155	CDD	MCS3	15.60	15.73	18.68	30.00	-11.32	4.60	23.28	-	-

Table 7-47. ISED CDD/SDM 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 52 of 158

Notes:

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

Per ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 Section 14.6.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample CDD/SDM Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted power was measured to be 12.46 dBm for Antenna 0 and 12.43 dBm for Antenna 1.

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

$$(12.46 \text{ dBm} + 12.43 \text{ dBm}) = (17.62 \text{ mW} + 17.50 \text{ mW}) = 35.12 \text{ mW} = 15.46 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 15.46 dBm with directional gain of 4.11 dBi.

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

$$15.46 \text{ dBm} + 4.11 \text{ dBi} = 19.57 \text{ dBm}$$

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 53 of 158

7.5 Maximum Power Spectral Density

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.15 – 5.25GHz, 5.25 – 5.35GHz, 5.47 – 5.725GHz bands, the maximum permissible power spectral density is 11dBm/MHz.

In the 5.15 – 5.25GHz band, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1 MHz band.

In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Section 12.4.2.2

KDB 789033 D02 v02r01 – Section F

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Section 14.5.2.2 Measure-and-Sum Technique

KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Set span to encompass the entire 99% OBW of the signal
3. RBW = 1MHz for U-NII 1, U-NII 2A, U-NII 2C; 500kHz for U-NII 3
4. VBW $\geq$ 3MHz for U-NII 1, U-NII 2A, U-NII 2C; $\geq 3 \times$ RBW for U-NII 3
5. Number of sweep points $\geq 2 \times$ (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

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 data rates and channels (low, mid, and high) were investigated, and tabular data provided. Only worst-case plots for each bandwidth are reported.
2. The duty cycle correction factor (DCCF) has been applied as an amplitude offset in the spectrum analyzer to ensure the required correction is accurately reflected in the measured Power Spectral Density (PSD). The offset value is indicated on each PSD plot.

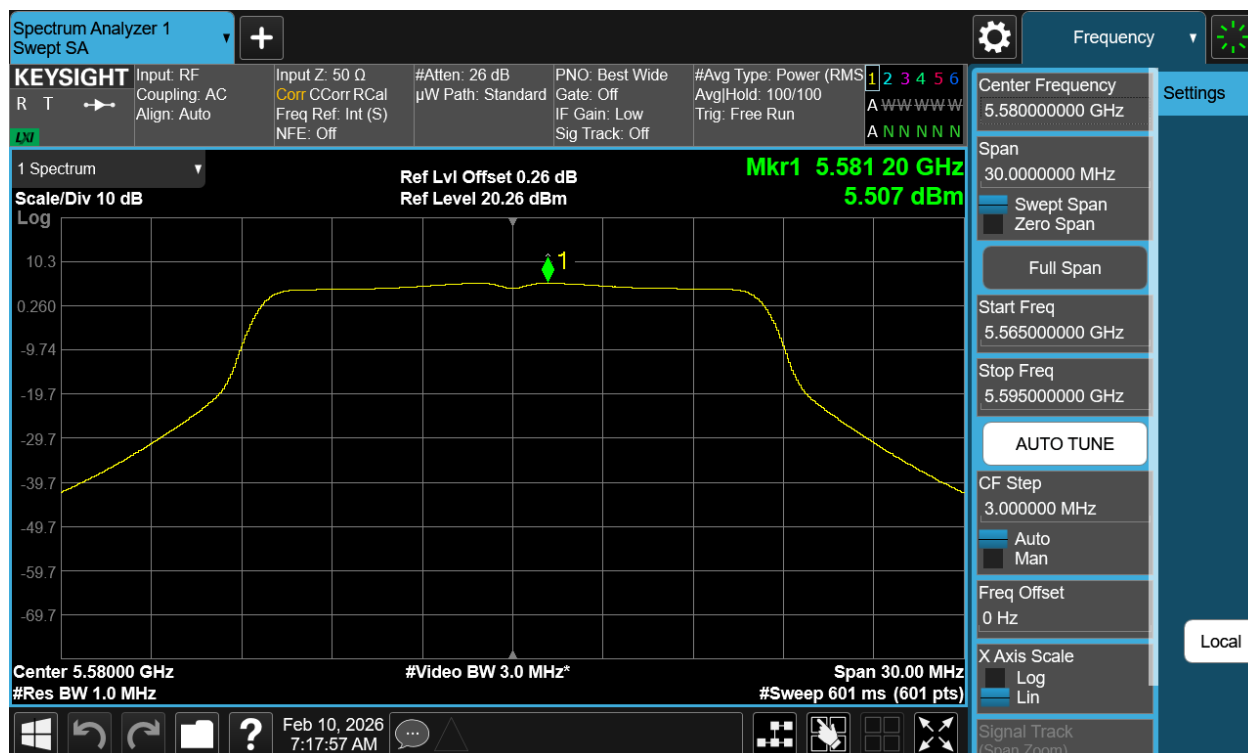
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 54 of 158

7.5.1 Antenna 0 Power Spectral Density Measurements

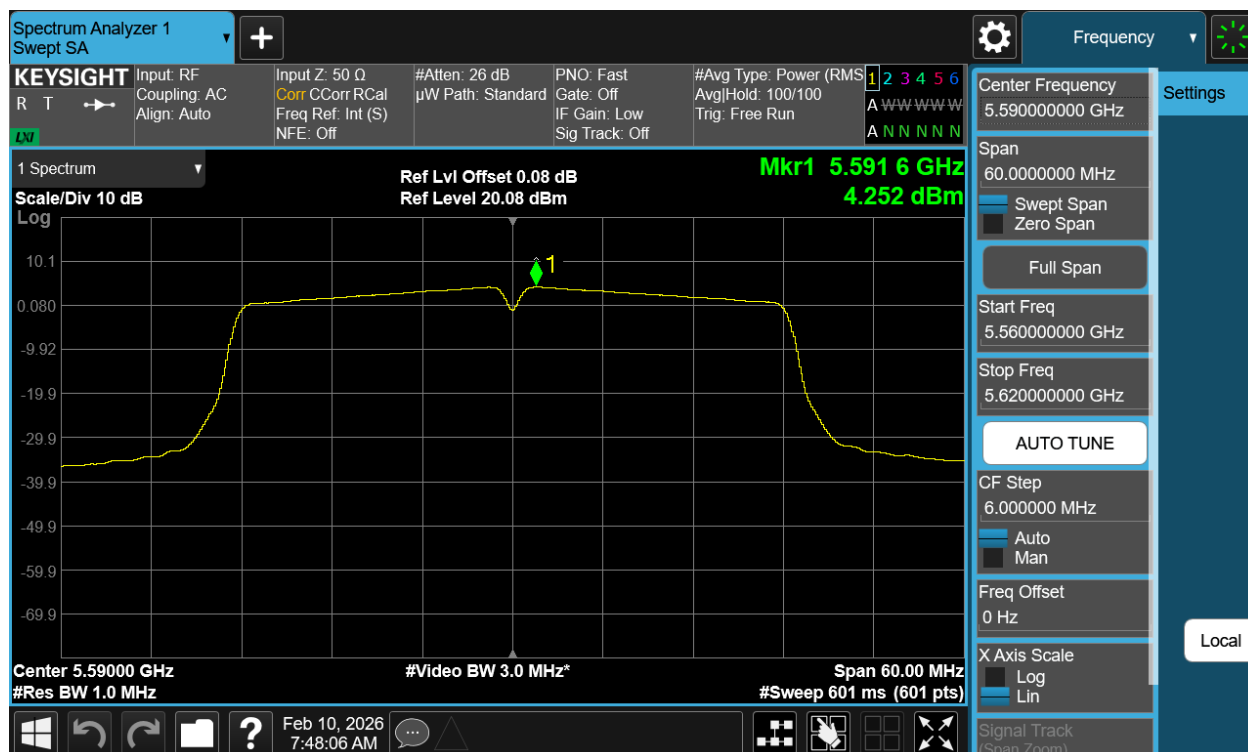
	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	18Mbps	5.32	11.00	-5.69
	5200	40	a	18Mbps	5.33	11.00	-5.68
	5240	48	a	36Mbps	5.42	11.00	-5.59
	5180	36	n (20MHz)	MCS3	4.86	11.00	-6.14
	5200	40	n (20MHz)	MCS3	4.84	11.00	-6.16
	5240	48	n (20MHz)	MCS5	5.04	11.00	-5.96
	5180	36	ax (SU) (20MHz)	MCS3	4.79	11.00	-6.21
	5200	40	ax (SU) (20MHz)	MCS3	4.87	11.00	-6.13
	5240	48	ax (SU) (20MHz)	MCS0	4.38	11.00	-6.62
	5190	38	n (40MHz)	MCS0	0.39	11.00	-10.61
	5230	46	n (40MHz)	MCS5	3.57	11.00	-7.43
	5190	38	ax (SU) (40MHz)	MCS0	-1.22	11.00	-12.22
	5230	46	ax (SU) (40MHz)	MCS3	3.59	11.00	-7.41
Band 2A	5210	42	ac (80MHz)	MCS0	-5.15	11.00	-16.15
	5210	42	ax (SU) (80MHz)	MCS3	-5.41	11.00	-16.41
	5260	52	a	6Mbps	5.17	11.00	-5.84
	5300	60	a	18Mbps	3.14	11.00	-7.86
	5320	64	a	18Mbps	5.14	11.00	-5.86
	5260	52	n (20MHz)	MCS5	4.89	11.00	-6.11
	5300	60	n (20MHz)	MCS5	3.15	11.00	-7.85
	5320	64	n (20MHz)	MCS3	4.81	11.00	-6.19
	5260	52	ax (SU) (20MHz)	MCS0	4.51	11.00	-6.49
	5300	60	ax (SU) (20MHz)	MCS3	2.60	11.00	-8.40
	5320	64	ax (SU) (20MHz)	MCS3	4.63	11.00	-6.38
	5270	54	n (40MHz)	MCS3	3.95	11.00	-7.05
	5310	62	n (40MHz)	MCS0	0.37	11.00	-10.63
Band 2C	5270	54	ax (SU) (40MHz)	MCS3	4.04	11.00	-6.96
	5310	62	ax (SU) (40MHz)	MCS0	-0.76	11.00	-11.76
	5290	58	ac (80MHz)	MCS0	-5.17	11.00	-16.17
	5290	58	ax (SU) (80MHz)	MCS3	-5.90	11.00	-16.90
	5500	100	a	18Mbps	5.21	11.00	-5.79
	5580	116	a	36Mbps	5.51	11.00	-5.49
	5720	144	a	18Mbps	5.32	11.00	-5.68
	5500	100	n (20MHz)	MCS0	5.00	11.00	-6.00
	5580	116	n (20MHz)	MCS5	5.20	11.00	-5.81
	5720	144	n (20MHz)	MCS5	5.15	11.00	-5.85
	5500	100	ax (SU) (20MHz)	MCS0	4.62	11.00	-6.38
	5580	116	ax (SU) (20MHz)	MCS3	4.77	11.00	-6.23
	5720	144	ax (SU) (20MHz)	MCS0	4.26	11.00	-6.75
	5510	102	n (40MHz)	MCS0	-0.56	11.00	-11.56
	5550	110	n (40MHz)	MCS0	3.79	11.00	-7.21
	5590	118	n (40MHz)	MCS5	4.25	11.00	-6.75
	5670	134	n (40MHz)	MCS3	3.00	11.00	-8.00
	5710	142	n (40MHz)	MCS3	4.13	11.00	-6.87
	5510	102	ax (SU) (40MHz)	MCS0	-1.45	11.00	-12.45
	5550	110	ax (SU) (40MHz)	MCS0	2.91	11.00	-8.09
	5590	118	ax (SU) (40MHz)	MCS3	4.23	11.00	-6.77
	5670	134	ax (SU) (40MHz)	MCS0	2.51	11.00	-8.49
	5710	142	ax (SU) (40MHz)	MCS0	3.77	11.00	-7.23
	5530	106	ac (80MHz)	MCS0	-4.71	11.00	-15.71
	5610	122	ac (80MHz)	MCS0	1.04	11.00	-9.96
	5690	138	ac (80MHz)	MCS0	0.94	11.00	-10.06
	5530	106	ax (SU) (80MHz)	MCS0	-5.46	11.00	-16.46
	5610	122	ax (SU) (80MHz)	MCS0	-0.71	11.00	-11.71
	5690	138	ax (SU) (80MHz)	MCS3	0.82	11.00	-10.18

Table 7-48. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 0

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 55 of 158



Plot 7-19 PSD Antenna 0 (20MHz BW 802.11a - Ch.116)



Plot 7-20 PSD Antenna 0 (40MHz BW 802.11n - Ch.118)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 56 of 158

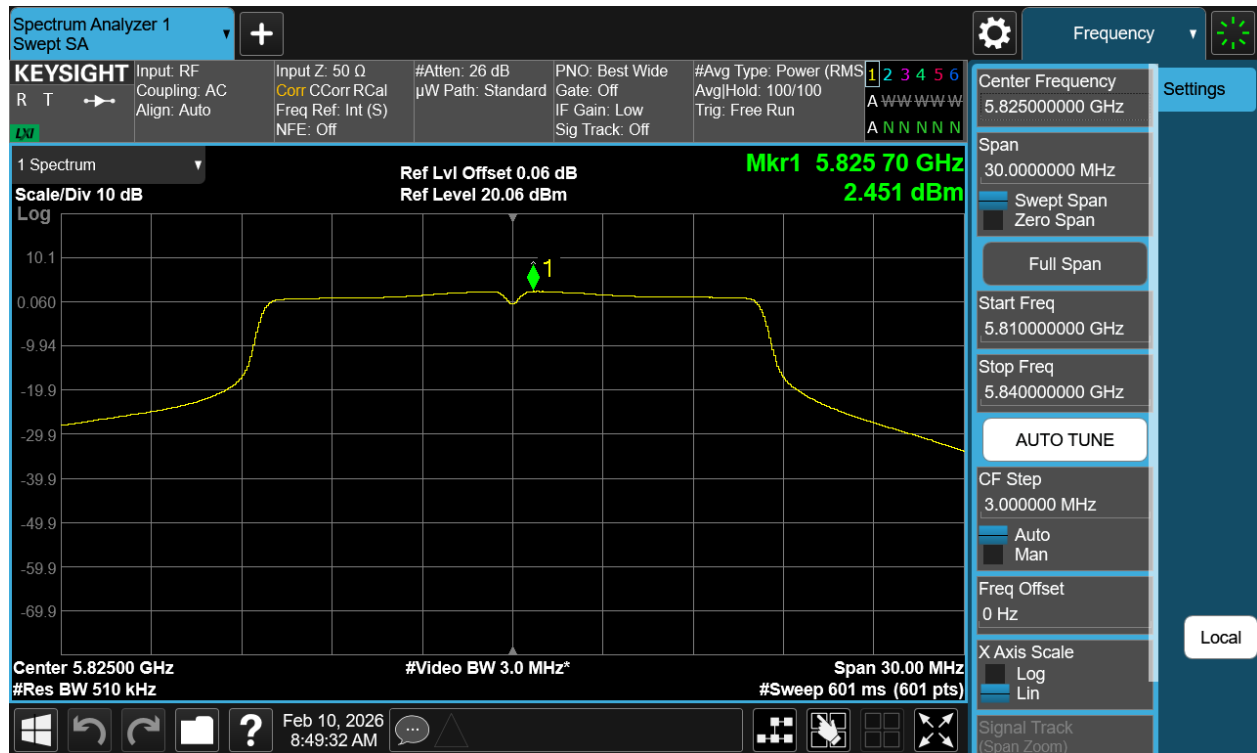
V 12.0 03/03/2026

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

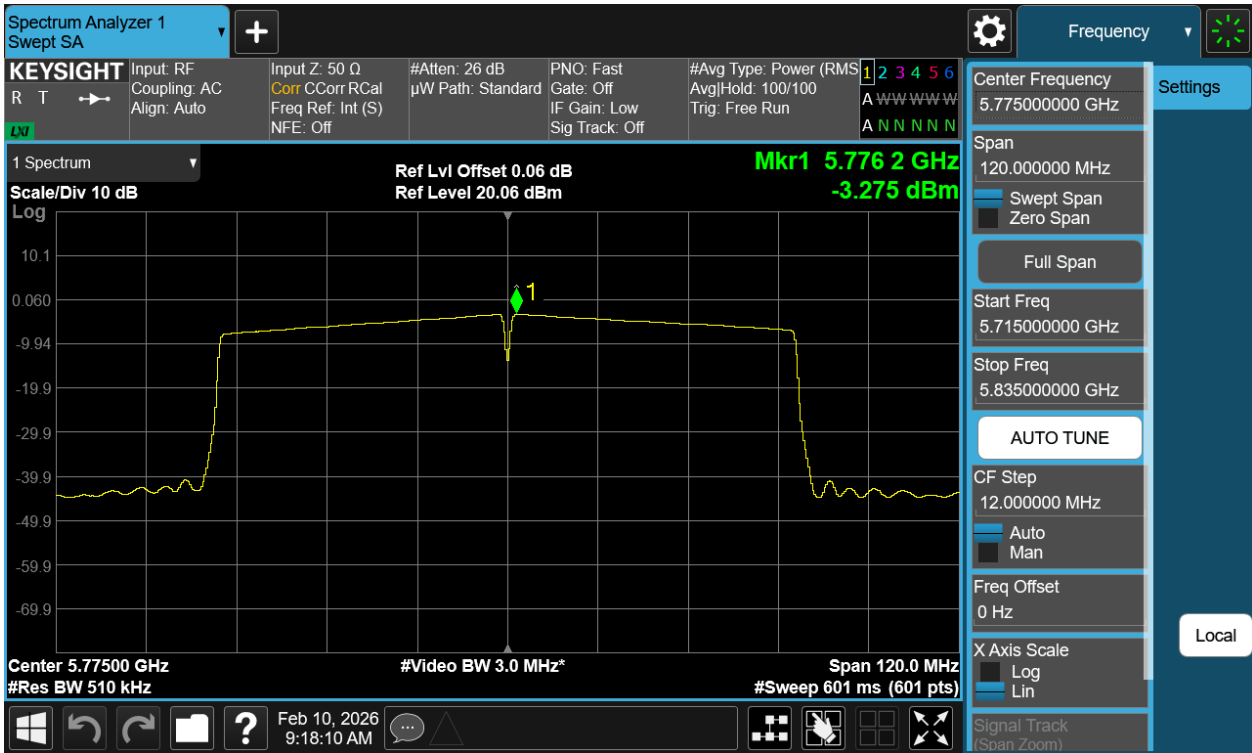
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	a	18Mbps	2.20	30.0	-27.8
	5785	157	a	6Mbps	2.45	30.0	-27.6
	5825	165	a	6Mbps	2.45	30.0	-27.5
	5745	149	n (20MHz)	MCS3	1.96	30.0	-28.04
	5785	157	n (20MHz)	MCS3	2.17	30.0	-27.83
	5825	165	n (20MHz)	MCS5	2.07	30.0	-27.93
	5745	149	ax (SU) (20MHz)	MCS3	1.80	30.0	-28.20
	5785	157	ax (SU) (20MHz)	MCS0	1.53	30.0	-28.47
	5825	165	ax (SU) (20MHz)	MCS3	1.60	30.0	-28.41
	5755	151	n (40MHz)	MCS5	1.29	30.0	-28.71
	5795	159	n (40MHz)	MCS5	1.37	30.0	-28.63
	5755	151	ax (SU) (40MHz)	MCS0	1.06	30.0	-28.94
	5795	159	ax (SU) (40MHz)	MCS3	0.92	30.0	-29.08
	5775	155	ac (80MHz)	MCS0	-3.28	30.0	-33.28
	5775	155	ax (SU) (80MHz)	MCS0	-4.13	30.0	-34.13

Table 7-49. Band 3 Power Spectral Density Measurements Antenna 0

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 58 of 158



FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 59 of 158

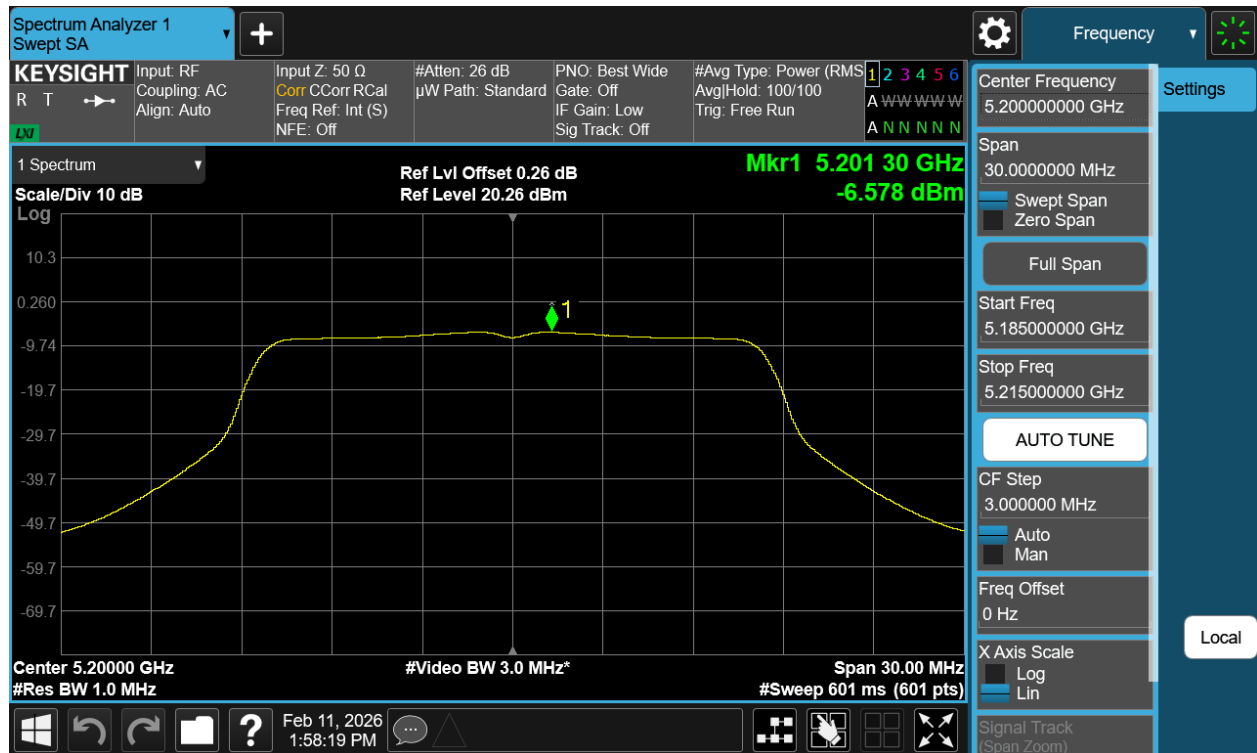


FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 60 of 158

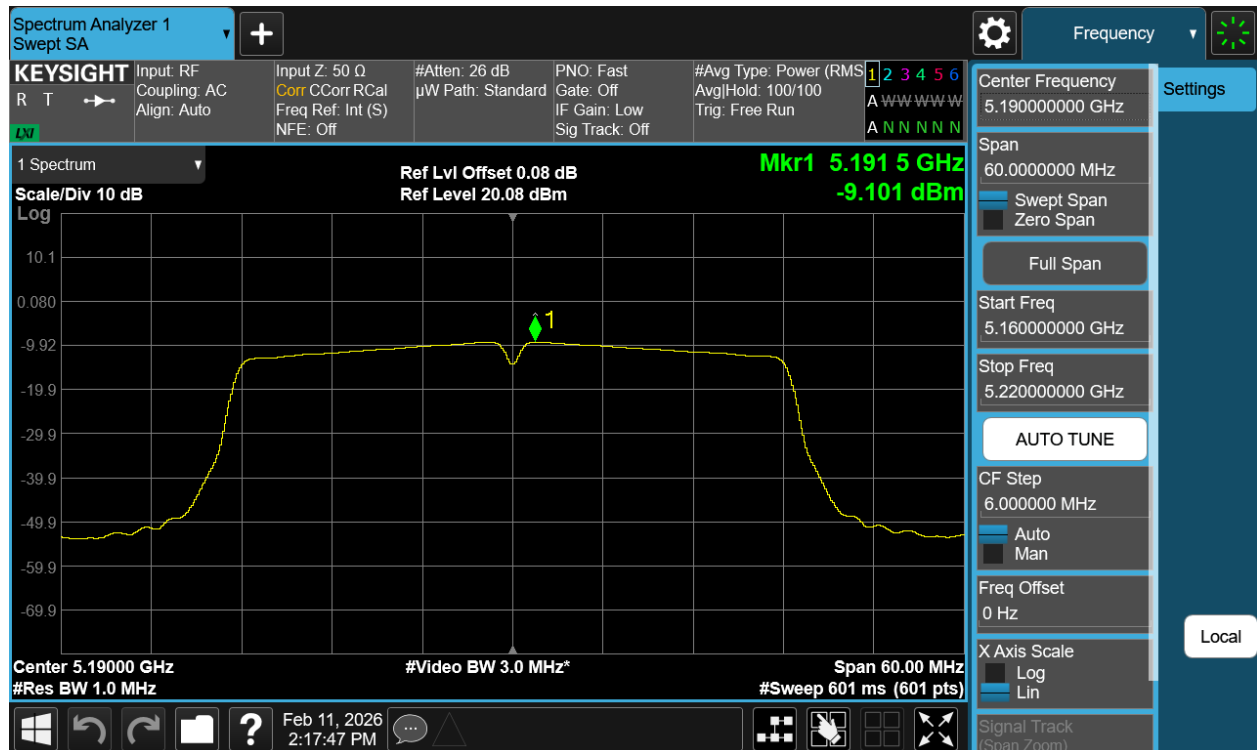
	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	36Mbps	-6.67	4.24	-2.43	10.0	-12.43
	5200	40	a	36Mbps	-6.58	4.24	-2.34	10.0	-12.34
	5240	48	a	6Mbps	-6.79	4.24	-2.55	10.0	-12.55
	5180	36	n (20MHz)	MCS5	-7.01	4.24	-2.77	10.0	-12.77
	5200	40	n (20MHz)	MCS5	-6.97	4.24	-2.73	10.0	-12.73
	5240	48	n (20MHz)	MCS5	-7.04	4.24	-2.80	10.0	-12.80
	5180	36	ax (SU) (20MHz)	MCS0	-7.52	4.24	-3.28	10.0	-13.28
	5200	40	ax (SU) (20MHz)	MCS3	-7.48	4.24	-3.24	10.0	-13.24
	5240	48	ax (SU) (20MHz)	MCS3	-7.25	4.24	-3.01	10.0	-13.01
	5190	38	n (40MHz)	MCS5	-9.10	4.24	-4.86	10.0	-14.86
	5230	46	n (40MHz)	MCS0	-9.35	4.24	-5.11	10.0	-15.11
	5190	38	ax (SU) (40MHz)	MCS3	-9.73	4.24	-5.49	10.0	-15.49
	5230	46	ax (SU) (40MHz)	MCS0	-9.26	4.24	-5.02	10.0	-15.02
	5210	42	ac (80MHz)	MCS3	-13.25	4.24	-9.01	10.0	-19.01
	5210	42	ax (SU) (80MHz)	MCS0	-12.95	4.24	-8.71	10.0	-18.71

Table 7-50. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 0

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 61 of 158

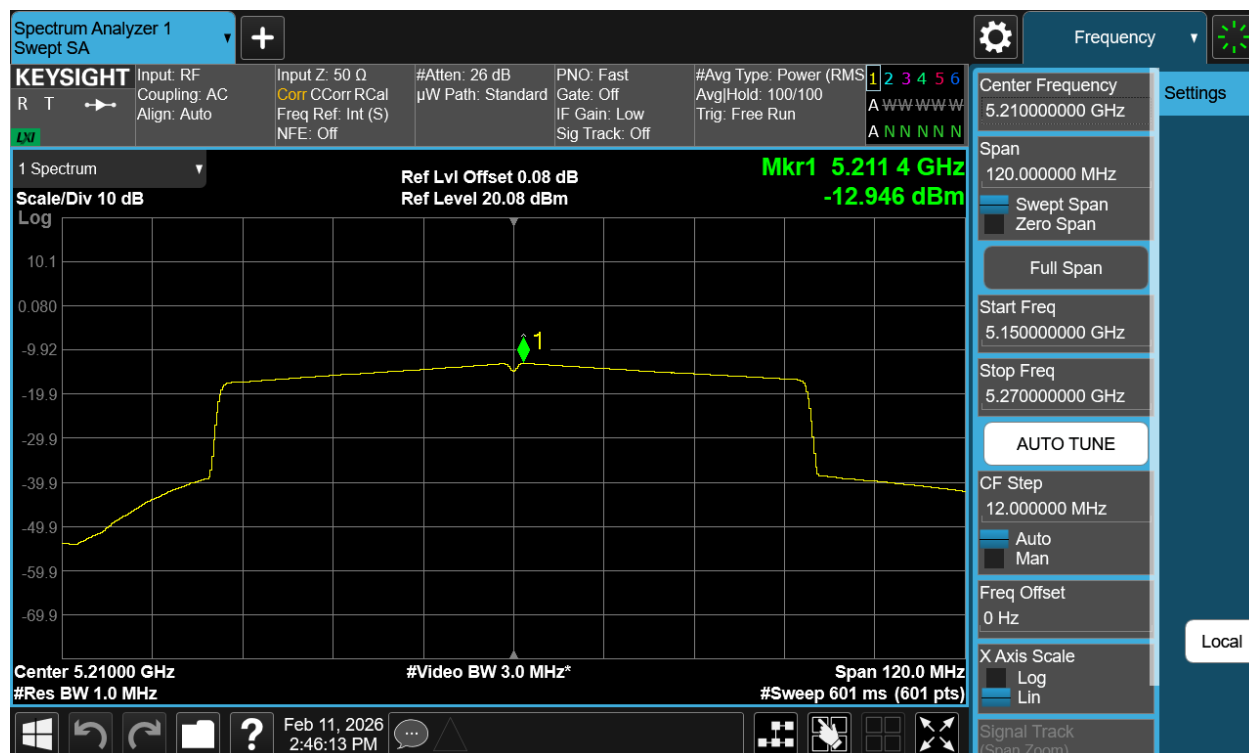


Plot 7-25 PSD Antenna 0 (20MHz BW 802.11a - Ch.40)



Plot 7-26 PSD Antenna 0 (40MHz BW 802.11n - Ch.38)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 62 of 158



Plot 7-27 PSD Antenna 0 (80MHz BW 802.11ax(SU) - Ch.42)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 63 of 158

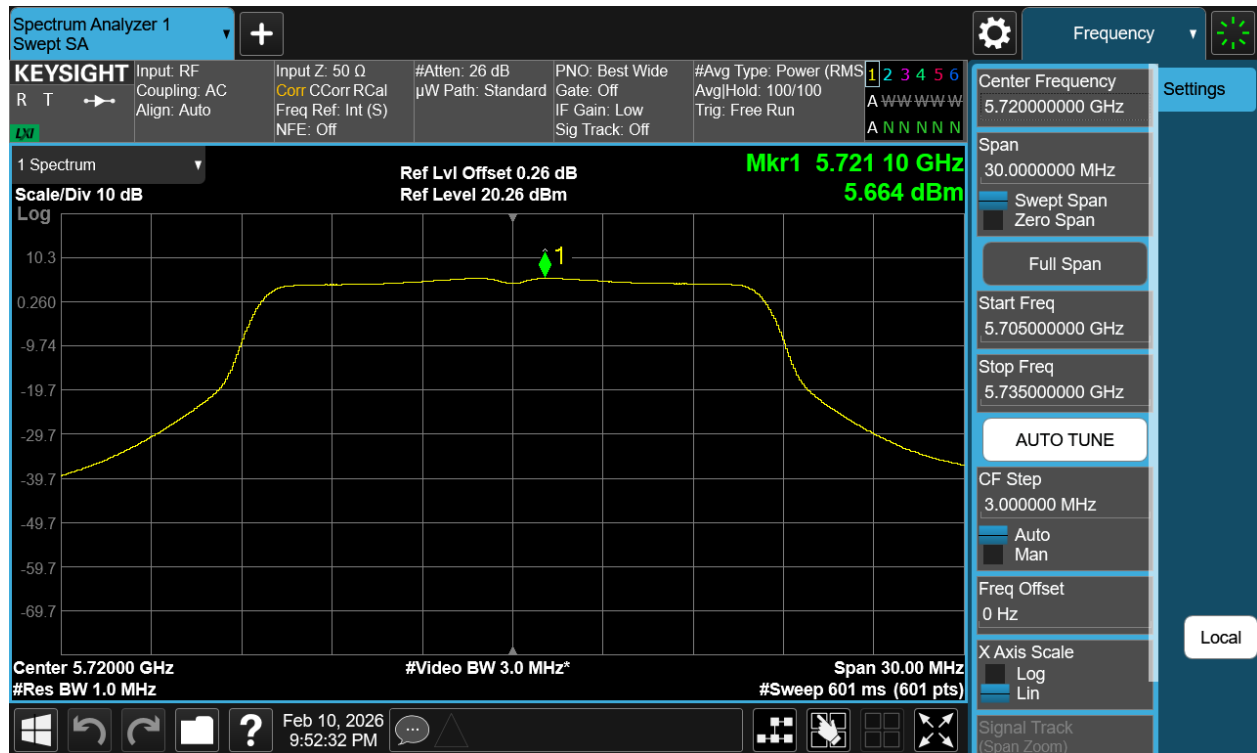
V 12.0 03/03/2026

7.5.2 Antenna 1 Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	18Mbps	5.21	11.00	-5.79
	5200	40	a	18Mbps	5.43	11.00	-5.57
	5240	48	a	6Mbps	5.37	11.00	-5.63
	5180	36	n (20MHz)	MCS3	5.05	11.00	-5.95
	5200	40	n (20MHz)	MCS3	5.18	11.00	-5.82
	5240	48	n (20MHz)	MCS5	5.09	11.00	-5.91
	5180	36	ax (SU) (20MHz)	MCS3	4.31	11.00	-6.69
	5200	40	ax (SU) (20MHz)	MCS3	4.44	11.00	-6.56
	5240	48	ax (SU) (20MHz)	MCS3	4.79	11.00	-6.21
	5190	38	n (40MHz)	MCS0	0.46	11.00	-10.54
	5230	46	n (40MHz)	MCS5	3.57	11.00	-7.43
	5190	38	ax (SU) (40MHz)	MCS0	-0.92	11.00	-11.92
	5230	46	ax (SU) (40MHz)	MCS3	3.60	11.00	-7.40
	5210	42	ac (80MHz)	MCS0	-4.99	11.00	-15.99
	5210	42	ax (SU) (80MHz)	MCS3	-5.79	11.00	-16.79
Band 2A	5260	52	a	36Mbps	5.28	11.00	-5.72
	5300	60	a	18Mbps	3.38	11.00	-7.62
	5320	64	a	6Mbps	5.45	11.00	-5.55
	5260	52	n (20MHz)	MCS5	4.99	11.00	-6.01
	5300	60	n (20MHz)	MCS3	3.16	11.00	-7.85
	5320	64	n (20MHz)	MCS0	5.17	11.00	-5.83
	5260	52	ax (SU) (20MHz)	MCS3	4.65	11.00	-6.35
	5300	60	ax (SU) (20MHz)	MCS0	2.83	11.00	-8.17
	5320	64	ax (SU) (20MHz)	MCS3	4.56	11.00	-6.44
	5270	54	n (40MHz)	MCS3	4.43	11.00	-6.57
	5310	62	n (40MHz)	MCS3	0.61	11.00	-10.39
	5270	54	ax (SU) (40MHz)	MCS3	4.06	11.00	-6.94
	5310	62	ax (SU) (40MHz)	MCS0	-0.80	11.00	-11.80
	5290	58	ac (80MHz)	MCS0	-5.00	11.00	-16.00
	5290	58	ax (SU) (80MHz)	MCS0	-5.25	11.00	-16.25
Band 2C	5500	100	a	18Mbps	5.38	11.00	-5.62
	5580	116	a	36Mbps	5.35	11.00	-5.66
	5720	144	a	36Mbps	5.66	11.00	-5.34
	5500	100	n (20MHz)	MCS3	5.13	11.00	-5.87
	5580	116	n (20MHz)	MCS5	5.05	11.00	-5.95
	5720	144	n (20MHz)	MCS0	5.33	11.00	-5.67
	5500	100	ax (SU) (20MHz)	MCS0	4.70	11.00	-6.30
	5580	116	ax (SU) (20MHz)	MCS0	4.59	11.00	-6.41
	5720	144	ax (SU) (20MHz)	MCS0	4.44	11.00	-6.57
	5510	102	n (40MHz)	MCS3	-0.42	11.00	-11.42
	5550	110	n (40MHz)	MCS0	3.85	11.00	-7.15
	5590	118	n (40MHz)	MCS3	4.44	11.00	-6.56
	5670	134	n (40MHz)	MCS3	3.02	11.00	-7.98
	5710	142	n (40MHz)	MCS0	4.22	11.00	-6.78
	5510	102	ax (SU) (40MHz)	MCS0	-1.40	11.00	-12.40
	5550	110	ax (SU) (40MHz)	MCS0	2.89	11.00	-8.11
	5590	118	ax (SU) (40MHz)	MCS0	3.98	11.00	-7.02
	5670	134	ax (SU) (40MHz)	MCS0	2.49	11.00	-8.51
	5710	142	ax (SU) (40MHz)	MCS0	3.77	11.00	-7.23
	5530	106	ac (80MHz)	MCS0	-4.62	11.00	-15.62
	5610	122	ac (80MHz)	MCS0	0.92	11.00	-10.08
	5690	138	ac (80MHz)	MCS3	1.14	11.00	-9.86
	5530	106	ax (SU) (80MHz)	MCS0	-5.43	11.00	-16.43
	5610	122	ax (SU) (80MHz)	MCS0	-0.40	11.00	-11.40
	5690	138	ax (SU) (80MHz)	MCS0	0.76	11.00	-10.24

Table 7-51. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 1

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 64 of 158

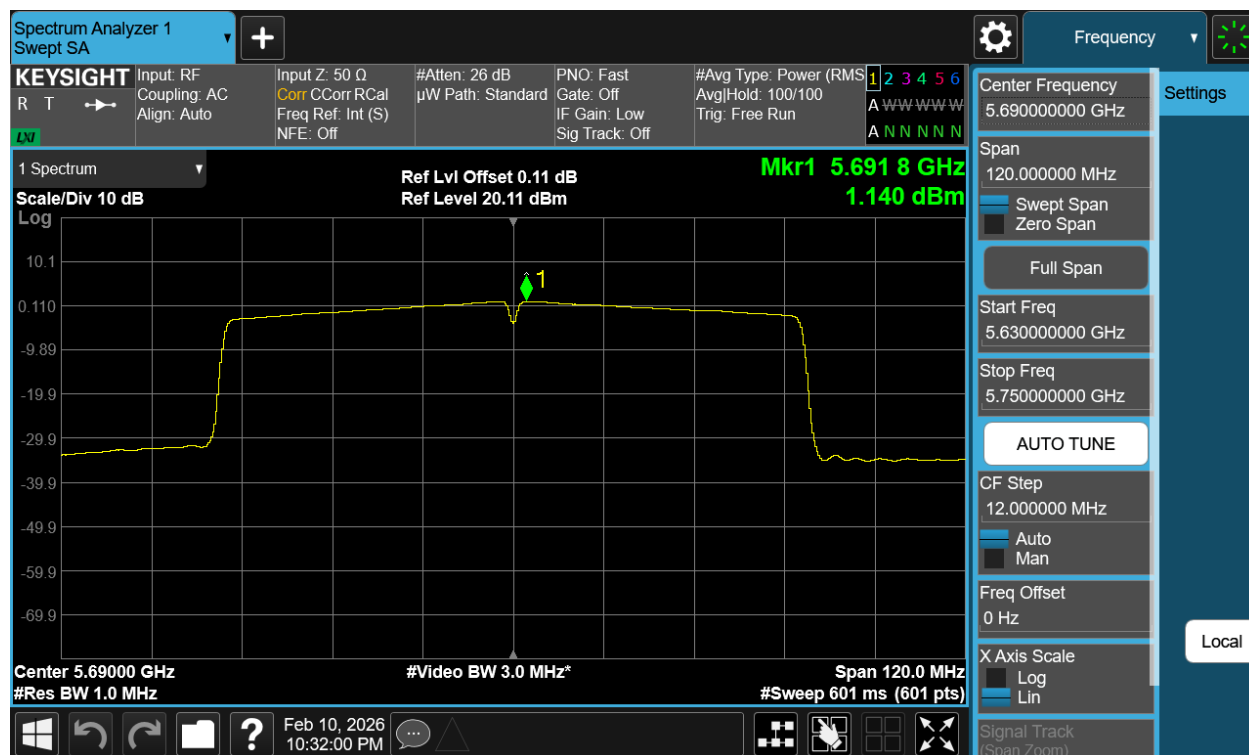


Plot 7-28 PSD Antenna 1 (20MHz BW 802.11a - Ch.144)



Plot 7-29 PSD Antenna 1 (40MHz BW 802.11n - Ch.118)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 65 of 158



Plot 7-30 PSD Antenna 1 (80MHz BW 802.11ac - Ch.138)

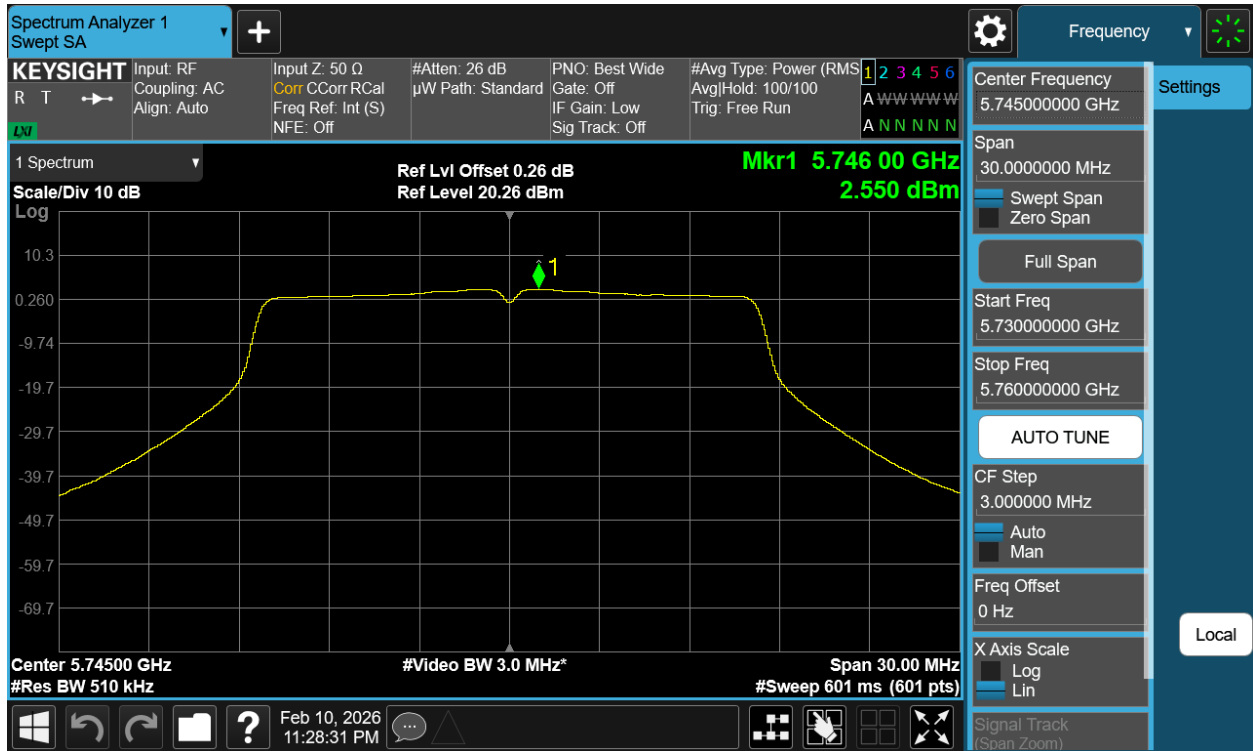
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on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

V 12.0 03/03/2026

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	a	36Mbps	2.55	30.0	-27.5
	5785	157	a	6Mbps	2.54	30.0	-27.5
	5825	165	a	18Mbps	2.33	30.0	-27.7
	5745	149	n (20MHz)	MCS5	2.46	30.0	-27.54
	5785	157	n (20MHz)	MCS3	2.30	30.0	-27.70
	5825	165	n (20MHz)	MCS3	2.22	30.0	-27.78
	5745	149	ax (SU) (20MHz)	MCS3	1.77	30.0	-28.23
	5785	157	ax (SU) (20MHz)	MCS3	1.51	30.0	-28.49
	5825	165	ax (SU) (20MHz)	MCS3	1.79	30.0	-28.21
	5755	151	n (40MHz)	MCS5	1.26	30.0	-28.75
	5795	159	n (40MHz)	MCS5	1.40	30.0	-28.61
	5755	151	ax (SU) (40MHz)	MCS3	1.25	30.0	-28.75
	5795	159	ax (SU) (40MHz)	MCS0	0.95	30.0	-29.05
	5775	155	ac (80MHz)	MCS3	-3.25	30.0	-33.25
	5775	155	ax (SU) (80MHz)	MCS0	-4.06	30.0	-34.06

Table 7-52. Band 3 Power Spectral Density Measurements Antenna 1

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 67 of 158

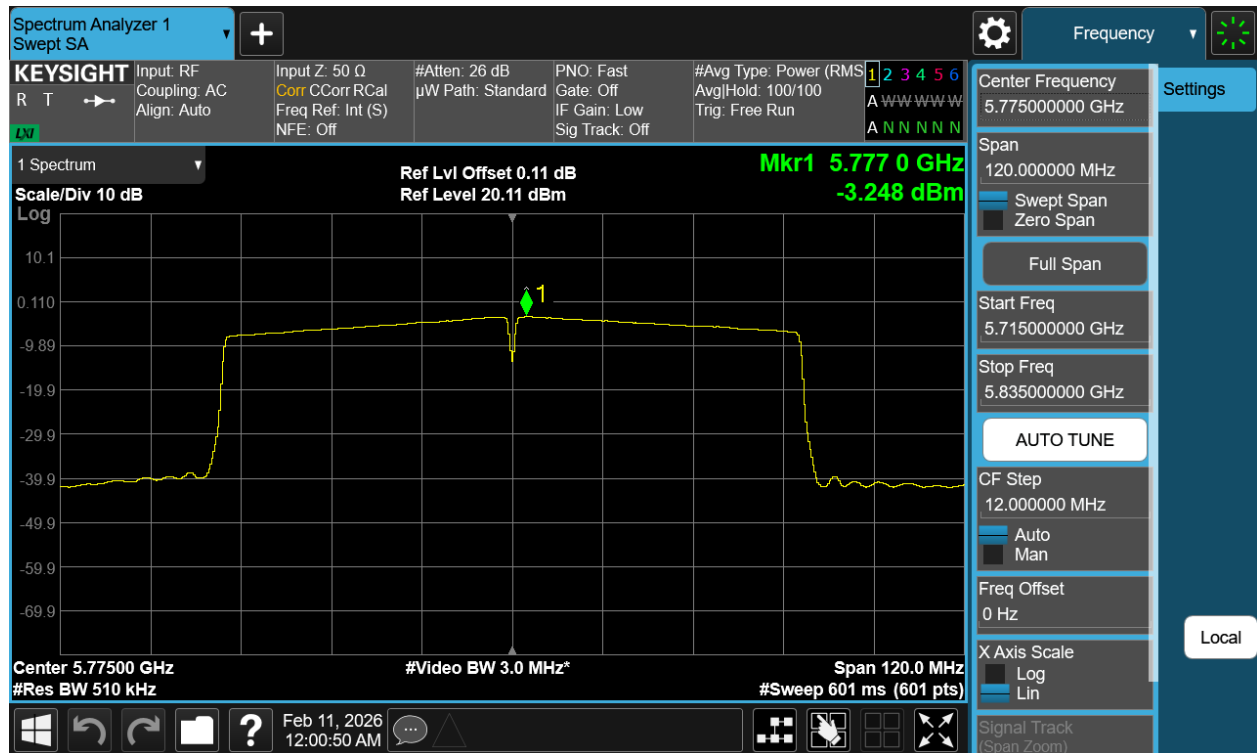


Plot 7-31 PSD Antenna 1 (20MHz BW 802.11a - Ch.149)



Plot 7-32 PSD Antenna 1 (40MHz BW 802.11n - Ch.159)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 68 of 158



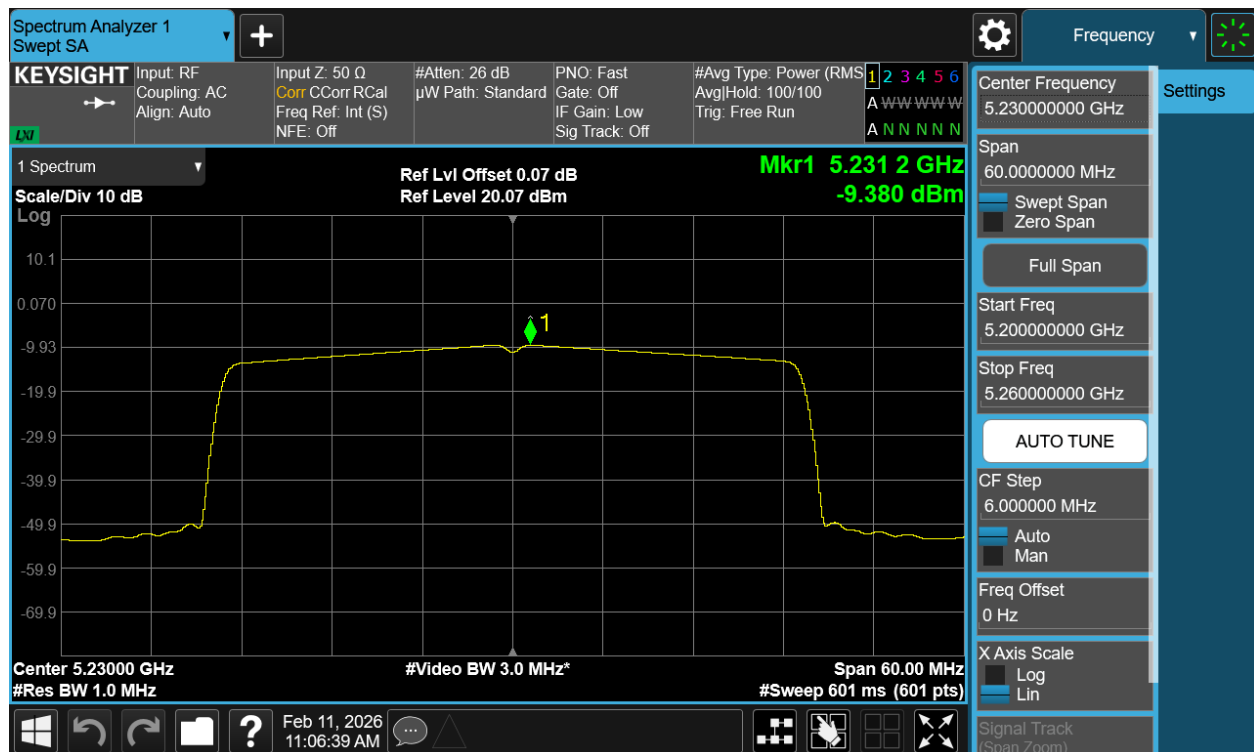
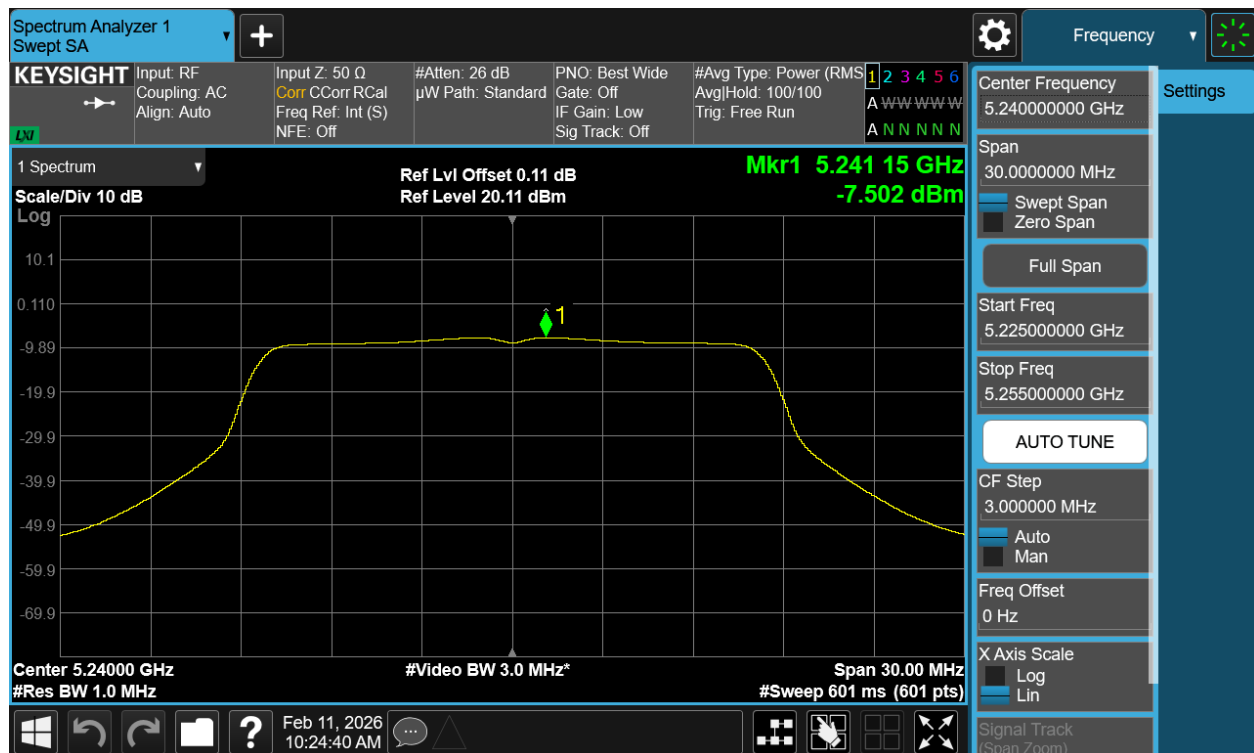
Plot 7-33 PSD Antenna 1 (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 69 of 158

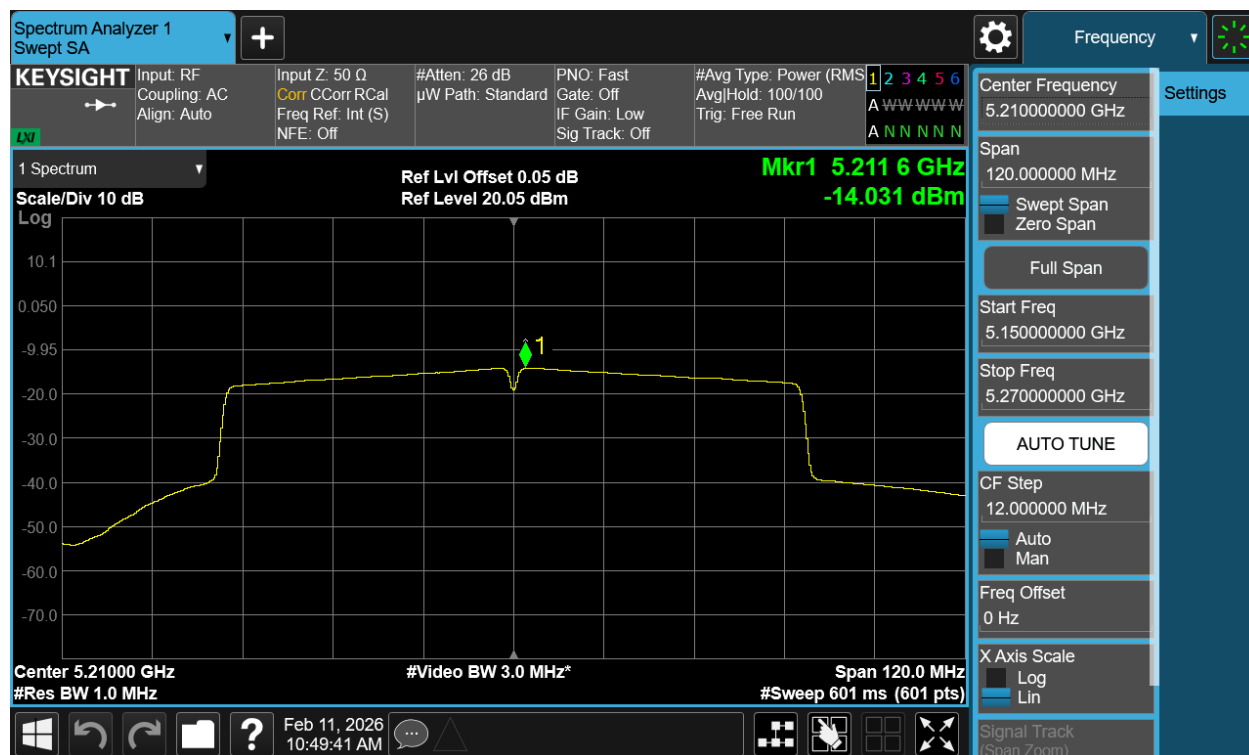
	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	36Mbps	-7.89	3.98	-3.91	10.0	-13.91
	5200	40	a	36Mbps	-7.65	3.98	-3.67	10.0	-13.67
	5240	48	a	18Mbps	-7.50	3.98	-3.52	10.0	-13.52
	5180	36	n (20MHz)	MCS5	-8.03	3.98	-4.05	10.0	-14.05
	5200	40	n (20MHz)	MCS5	-7.88	3.98	-3.90	10.0	-13.90
	5240	48	n (20MHz)	MCS3	-7.78	3.98	-3.80	10.0	-13.80
	5180	36	ax (SU) (20MHz)	MCS3	-8.52	3.98	-4.54	10.0	-14.54
	5200	40	ax (SU) (20MHz)	MCS3	-8.43	3.98	-4.45	10.0	-14.45
	5240	48	ax (SU) (20MHz)	MCS0	-7.99	3.98	-4.01	10.0	-14.01
	5190	38	n (40MHz)	MCS3	-10.33	3.98	-6.35	10.0	-16.35
	5230	46	n (40MHz)	MCS5	-9.54	3.98	-5.56	10.0	-15.56
	5190	38	ax (SU) (40MHz)	MCS3	-10.72	3.98	-6.74	10.0	-16.74
	5230	46	ax (SU) (40MHz)	MCS0	-9.38	3.98	-5.40	10.0	-15.40
	5210	42	ac (80MHz)	MCS0	-14.03	3.98	-10.05	10.0	-20.05
	5210	42	ax (SU) (80MHz)	MCS3	-14.34	3.98	-10.36	10.0	-20.36

Table 7-53. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 70 of 158



FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 71 of 158



Plot 7-36 PSD Antenna 1 (80MHz BW 802.11ac - Ch.42)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 72 of 158

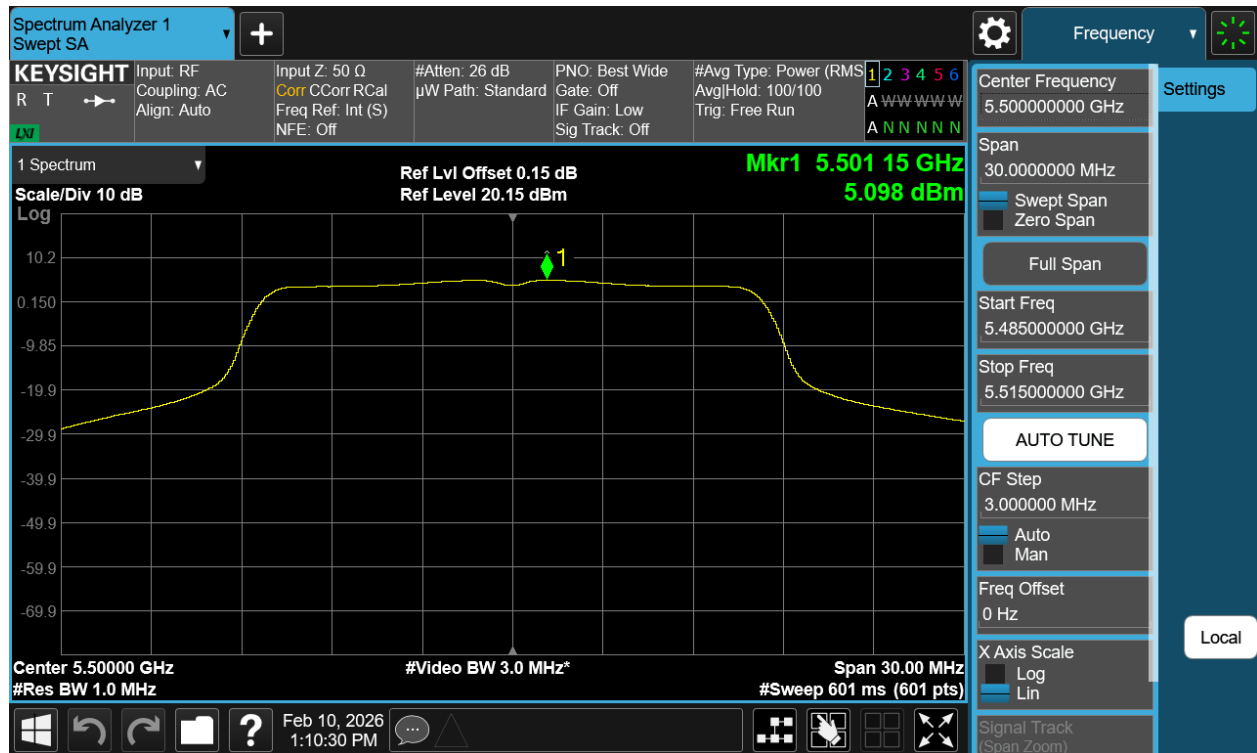
V 12.0 03/03/2026

7.5.3 Summed CDD/SDM Power Spectral Density Measurements

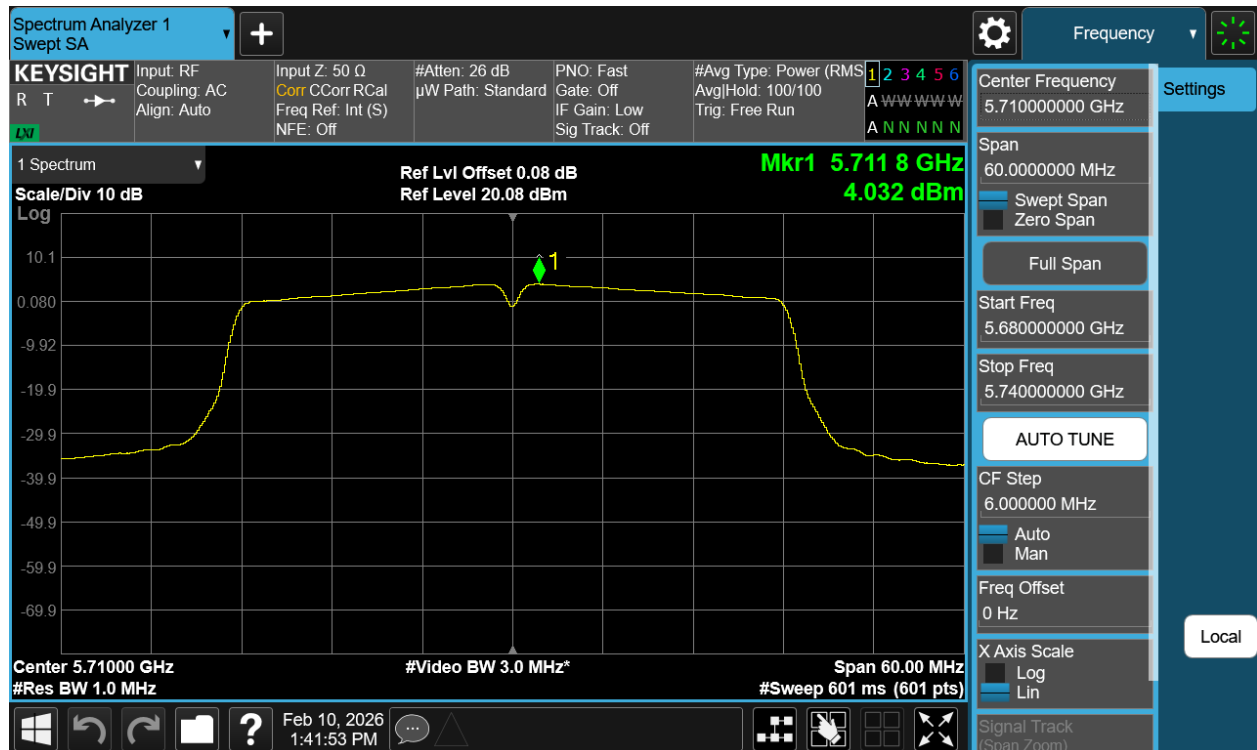
	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate	Antenna 0 Measured Power Density [dBm/MHz]	Antenna 1 Measured Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	CDD	6Mbps	4.94	4.83	7.90	11.00	-3.10
	5200	40	a	CDD	36Mbps	5.05	4.75	7.91	11.00	-3.09
	5240	48	a	CDD	18Mbps	4.68	5.10	7.91	11.00	-3.09
	5180	36	n (20MHz)	CDD	MCS0	4.17	4.48	7.34	11.00	-3.66
	5200	40	n (20MHz)	CDD	MCS0	4.23	4.81	7.54	11.00	-3.46
	5240	48	n (20MHz)	CDD	MCS0	4.31	4.76	7.55	11.00	-3.45
	5180	36	ax (SU) (20MHz)	CDD	MCS3	4.09	3.79	6.95	11.00	-4.05
	5200	40	ax (SU) (20MHz)	CDD	MCS3	4.13	3.92	7.03	11.00	-3.97
	5240	48	ax (SU) (20MHz)	CDD	MCS0	4.11	3.69	6.92	11.00	-4.08
	5190	38	n (40MHz)	CDD	MCS0	-0.39	0.03	2.84	11.00	-8.16
	5230	46	n (40MHz)	CDD	MCS3	3.60	3.47	6.55	11.00	-4.45
	5190	38	ax (SU) (40MHz)	CDD	MCS0	-1.74	-1.42	1.44	11.00	-9.56
	5230	46	ax (SU) (40MHz)	CDD	MCS3	3.82	3.91	6.87	11.00	-4.13
Band 2A	5210	42	ac (80MHz)	CDD	MCS0	-6.22	-5.94	-3.07	11.00	-14.07
	5210	42	ax (SU) (80MHz)	CDD	MCS0	-6.51	-6.27	-3.38	11.00	-14.38
	5260	52	a	CDD	36Mbps	4.66	4.80	7.74	11.00	-3.26
	5300	60	a	CDD	36Mbps	2.33	2.73	5.54	11.00	-5.46
	5320	64	a	CDD	18Mbps	4.65	4.56	7.62	11.00	-3.38
	5260	52	n (20MHz)	CDD	MCS5	4.29	4.63	7.48	11.00	-3.52
	5300	60	n (20MHz)	CDD	MCS5	2.61	2.47	5.55	11.00	-5.45
	5320	64	n (20MHz)	CDD	MCS3	4.33	4.27	7.31	11.00	-3.69
	5260	52	ax (SU) (20MHz)	CDD	MCS3	4.24	3.88	7.07	11.00	-3.93
	5300	60	ax (SU) (20MHz)	CDD	MCS3	2.25	1.73	5.01	11.00	-5.99
	5320	64	ax (SU) (20MHz)	CDD	MCS3	4.14	3.94	7.05	11.00	-3.95
	5270	54	n (40MHz)	CDD	MCS3	4.27	3.81	7.05	11.00	-3.95
	5310	62	n (40MHz)	CDD	MCS0	0.19	0.14	3.18	11.00	-7.82
Band 2C	5270	54	ax (SU) (40MHz)	CDD	MCS0	3.88	3.87	6.88	11.00	-4.12
	5310	62	ax (SU) (40MHz)	CDD	MCS0	-1.22	-1.41	1.70	11.00	-9.30
	5290	58	ac (80MHz)	CDD	MCS0	-6.07	-6.60	-3.32	11.00	-14.32
	5290	58	ax (SU) (80MHz)	CDD	MCS0	-5.87	-6.33	-3.08	11.00	-14.08
	5500	100	a	CDD	18Mbps	5.10	4.82	7.97	11.00	-3.03
	5580	116	a	CDD	36Mbps	5.14	4.76	7.96	11.00	-3.04
	5720	144	a	CDD	6Mbps	5.25	4.43	7.87	11.00	-3.13
	5500	100	n (20MHz)	CDD	MCS3	4.63	4.54	7.60	11.00	-3.40
	5580	116	n (20MHz)	CDD	MCS5	4.72	4.41	7.58	11.00	-3.42
	5720	144	n (20MHz)	CDD	MCS5	4.73	4.16	7.46	11.00	-3.54
	5500	100	ax (SU) (20MHz)	CDD	MCS0	3.69	3.67	6.69	11.00	-4.31
	5580	116	ax (SU) (20MHz)	CDD	MCS0	4.47	4.08	7.29	11.00	-3.71
	5720	144	ax (SU) (20MHz)	CDD	MCS3	4.42	4.13	7.28	11.00	-3.72
	5510	102	n (40MHz)	CDD	MCS0	-0.45	-1.05	2.27	11.00	-8.73
	5550	110	n (40MHz)	CDD	MCS0	3.27	3.28	6.29	11.00	-4.71
	5590	118	n (40MHz)	CDD	MCS3	4.12	4.07	7.10	11.00	-3.90
	5670	134	n (40MHz)	CDD	MCS3	3.03	2.69	5.87	11.00	-5.13
	5710	142	n (40MHz)	CDD	MCS3	4.03	4.20	7.13	11.00	-3.87
	5510	102	ax (SU) (40MHz)	CDD	MCS0	-1.80	-1.91	1.16	11.00	-9.84
	5550	110	ax (SU) (40MHz)	CDD	MCS0	2.91	2.28	5.61	11.00	-5.39
	5590	118	ax (SU) (40MHz)	CDD	MCS3	4.24	3.94	7.10	11.00	-3.90
	5670	134	ax (SU) (40MHz)	CDD	MCS0	1.99	1.99	5.00	11.00	-6.00
	5710	142	ax (SU) (40MHz)	CDD	MCS3	4.35	3.70	7.05	11.00	-3.95
	5530	106	ac (80MHz)	CDD	MCS0	-6.01	-6.12	-3.05	11.00	-14.05
	5610	122	ac (80MHz)	CDD	MCS0	0.43	-0.22	3.13	11.00	-7.87
	5690	138	ac (80MHz)	CDD	MCS0	1.10	0.51	3.82	11.00	-7.18
	5530	106	ax (SU) (80MHz)	CDD	MCS0	-6.48	-6.92	-3.68	11.00	-14.68
	5610	122	ax (SU) (80MHz)	CDD	MCS0	-1.23	-0.64	2.09	11.00	-8.91
	5690	138	ax (SU) (80MHz)	CDD	MCS0	0.79	1.14	3.98	11.00	-7.02

Table 7-54. Bands 1, 2A, 2C CDD Power Spectral Density Measurements

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 73 of 158

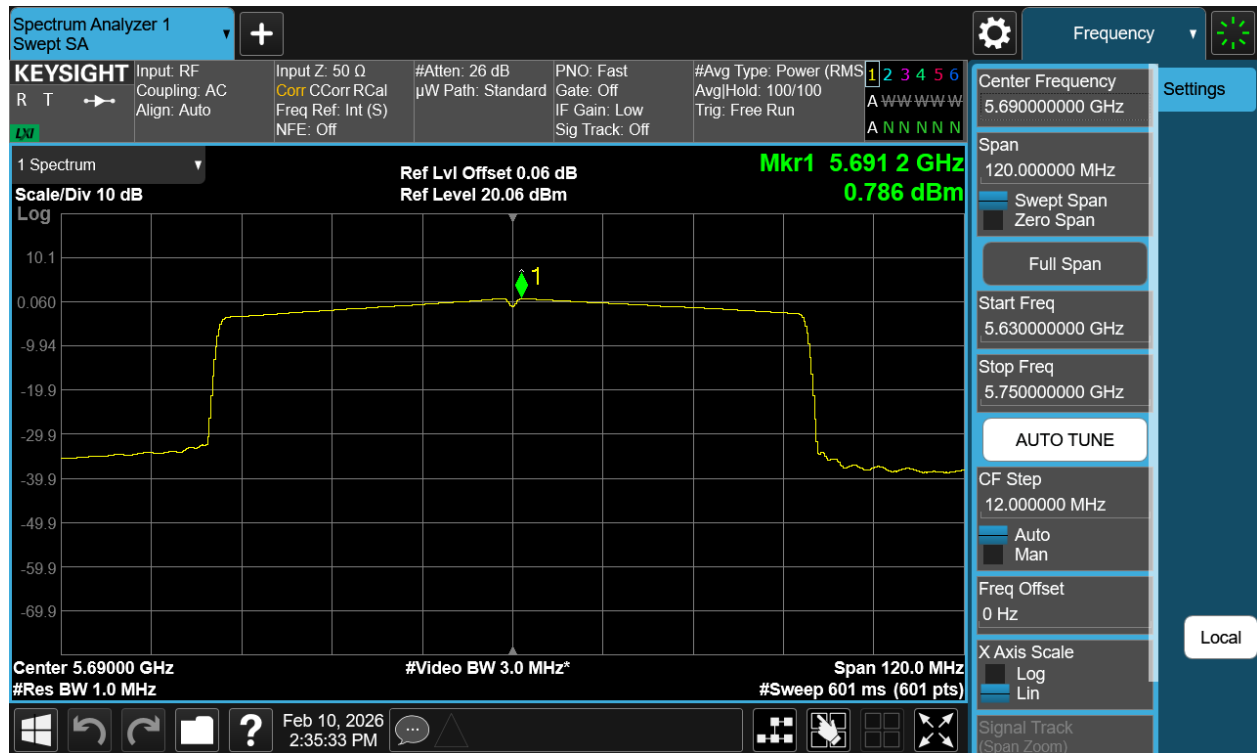


Plot 7-37 PSD CDD Antenna 0 (20MHz BW 802.11a - Ch.100)

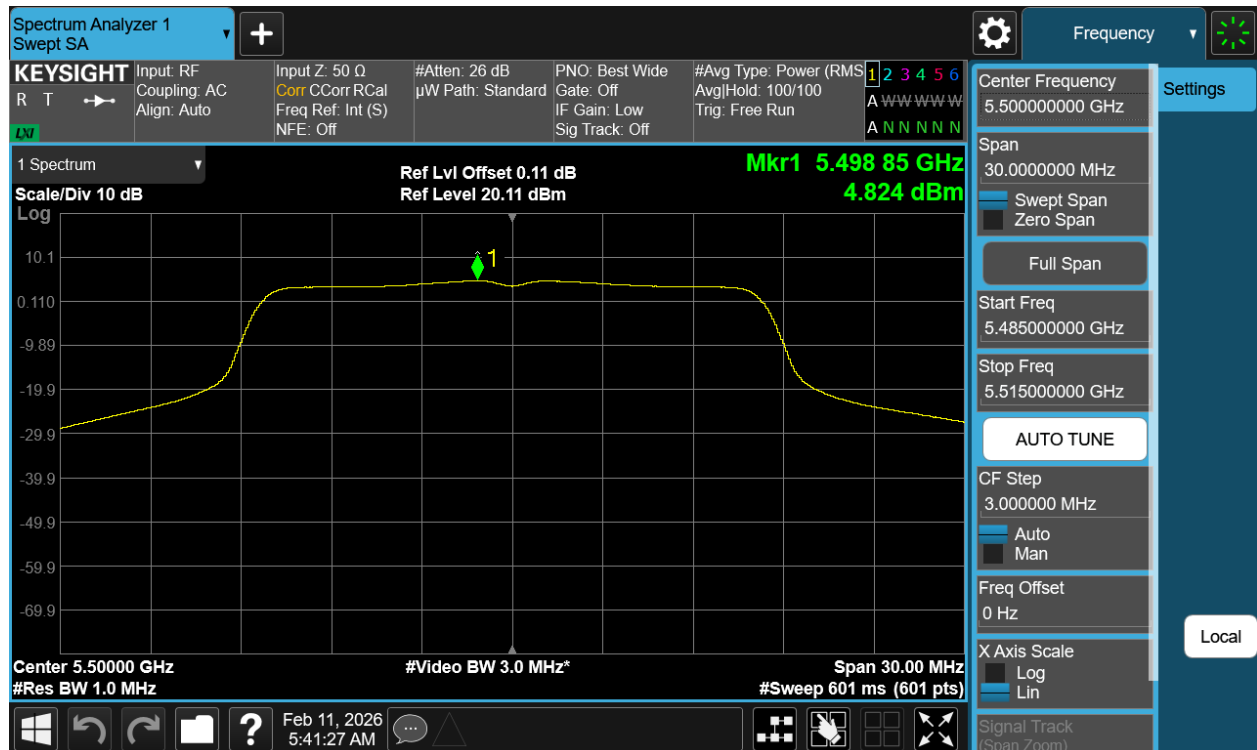


Plot 7-38 PSD CDD Antenna 0 (40MHz BW 802.11n - Ch.142)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 74 of 158

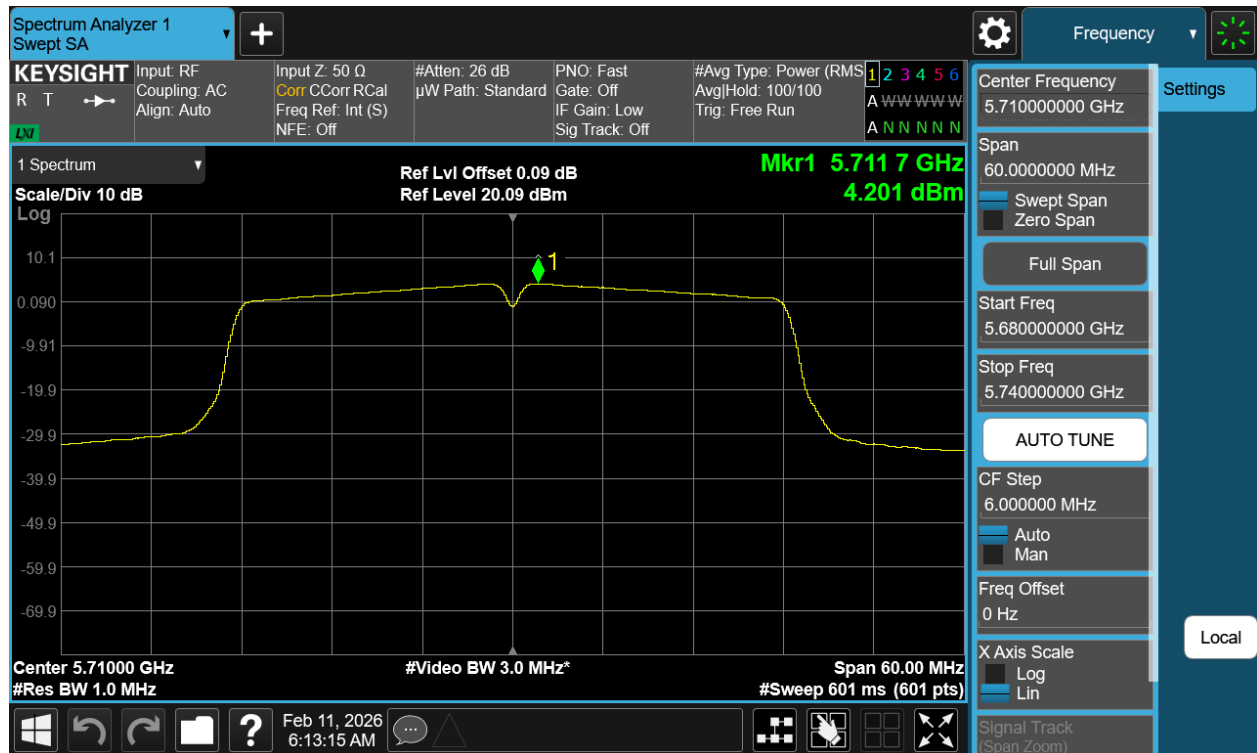


Plot 7-39 PSD CDD Antenna 0 (80MHz BW 802.11ax(SU) - Ch.138)

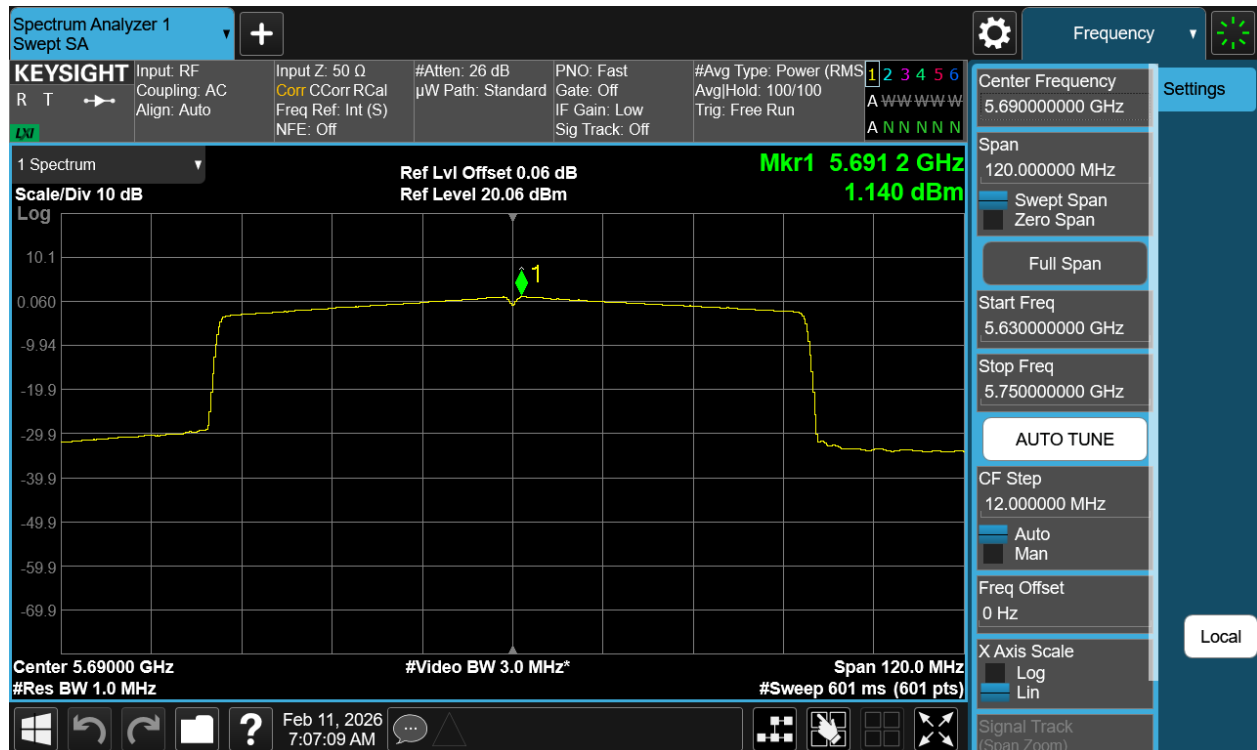


Plot 7-40 PSD CDD Antenna 1 (20MHz BW 802.11a - Ch.100)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 75 of 158



Plot 7-41 PSD CDD Antenna 1 (40MHz BW 802.11n - Ch.142)



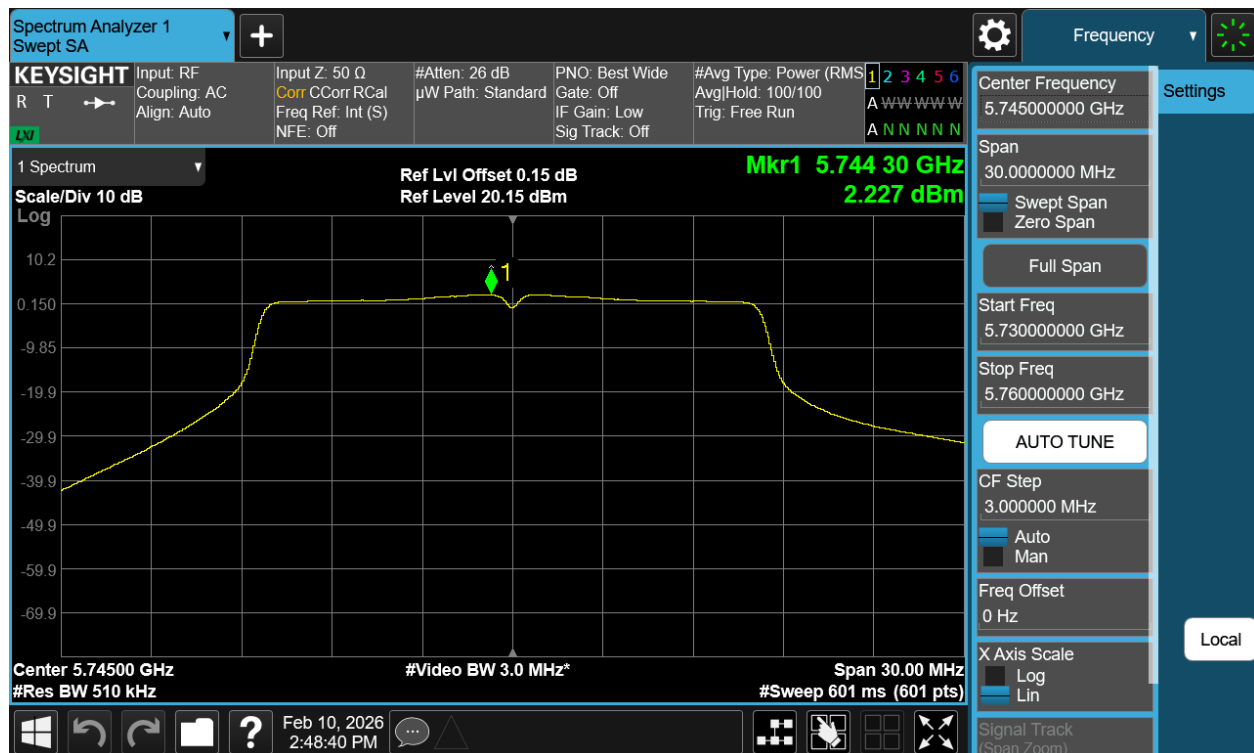
Plot 7-42 PSD CDD Antenna 1 (80MHz BW 802.11ax(SU) - Ch.138)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 76 of 158

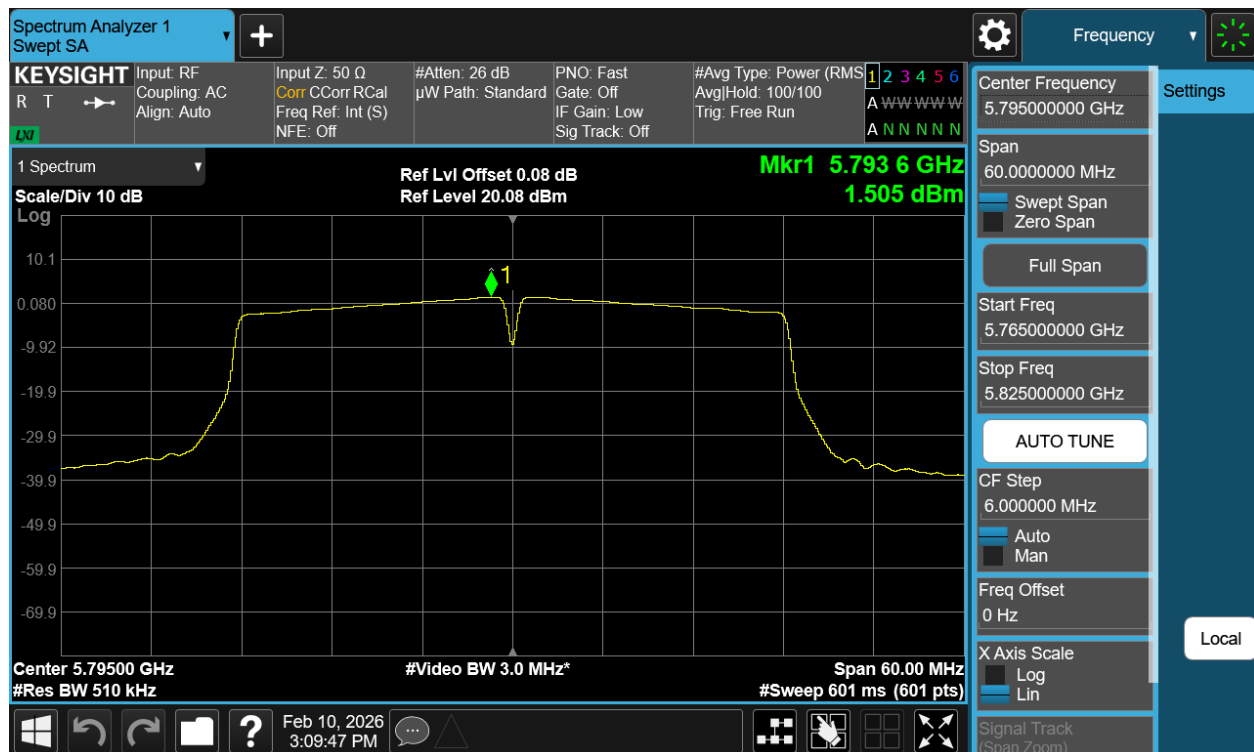
	Frequency [MHz]	Channel	802.11 MODE	Mode	Data Rate	Antenna 0 Power Density [dBm/500kHz]	Antenna 1 Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	a	CDD	18Mbps	2.23	1.75	5.01	30.0	-24.99
	5785	157	a	CDD	36Mbps	2.27	1.64	4.97	30.0	-25.03
	5825	165	a	CDD	6Mbps	2.10	1.59	4.86	30.0	-25.14
	5745	149	n (20MHz)	CDD	MCS5	2.00	1.36	4.70	30.0	-25.30
	5785	157	n (20MHz)	CDD	MCS0	1.76	1.43	4.60	30.0	-25.40
	5825	165	n (20MHz)	CDD	MCS0	1.70	1.40	4.57	30.0	-25.43
	5745	149	ax (SU) (20MHz)	CDD	MCS3	1.34	1.46	4.41	30.0	-25.59
	5785	157	ax (SU) (20MHz)	CDD	MCS0	1.00	1.04	4.03	30.0	-25.97
	5825	165	ax (SU) (20MHz)	CDD	MCS0	1.01	1.46	4.25	30.0	-25.75
	5755	151	n (40MHz)	CDD	MCS3	1.33	1.05	4.20	30.0	-25.80
	5795	159	n (40MHz)	CDD	MCS0	1.51	1.21	4.37	30.0	-25.63
	5755	151	ax (SU) (40MHz)	CDD	MCS3	1.59	0.83	4.24	30.0	-25.76
	5795	159	ax (SU) (40MHz)	CDD	MCS0	1.74	0.87	4.34	30.0	-25.66
	5775	155	ac (80MHz)	CDD	MCS0	-3.70	-4.33	-0.99	30.0	-30.99
	5775	155	ax (SU) (80MHz)	CDD	MCS3	-4.12	-4.02	-1.06	30.0	-31.06

Table 7-55. Band 3 Power Spectral Density Measurements CDD

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 77 of 158

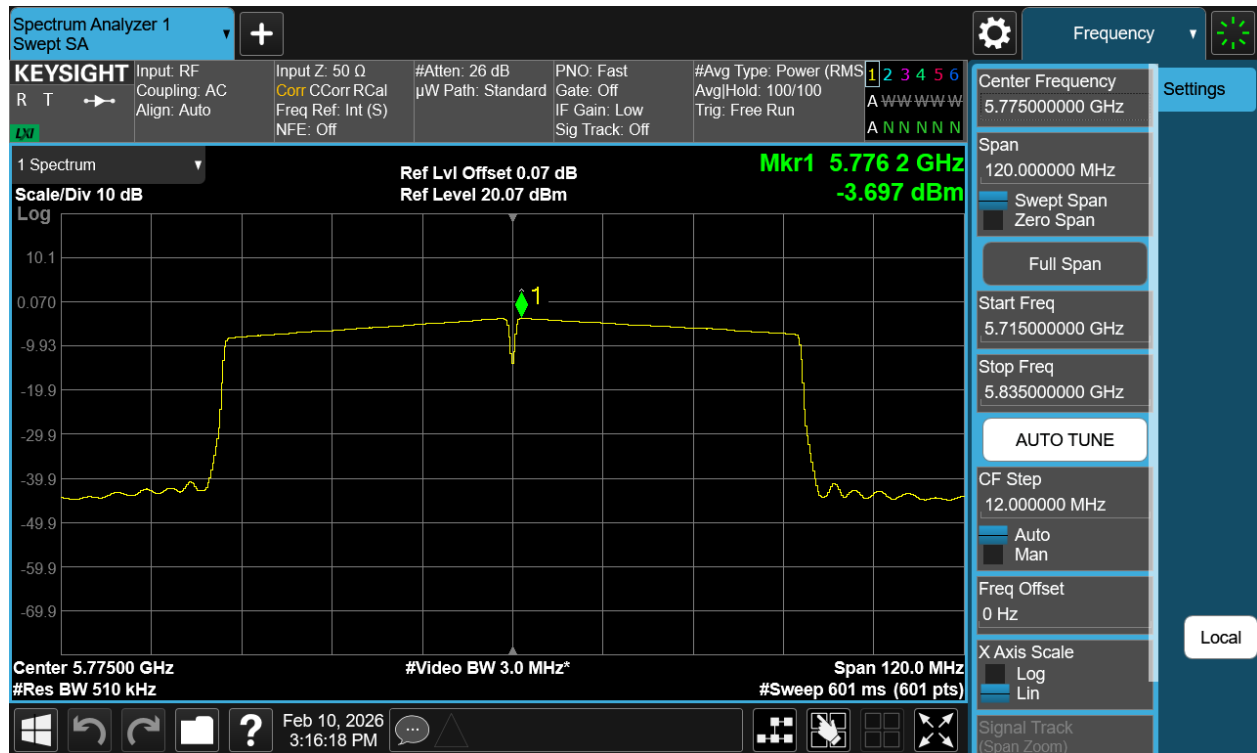


Plot 7-43 PSD CDD Antenna 0 (20MHz BW 802.11a - Ch.149)

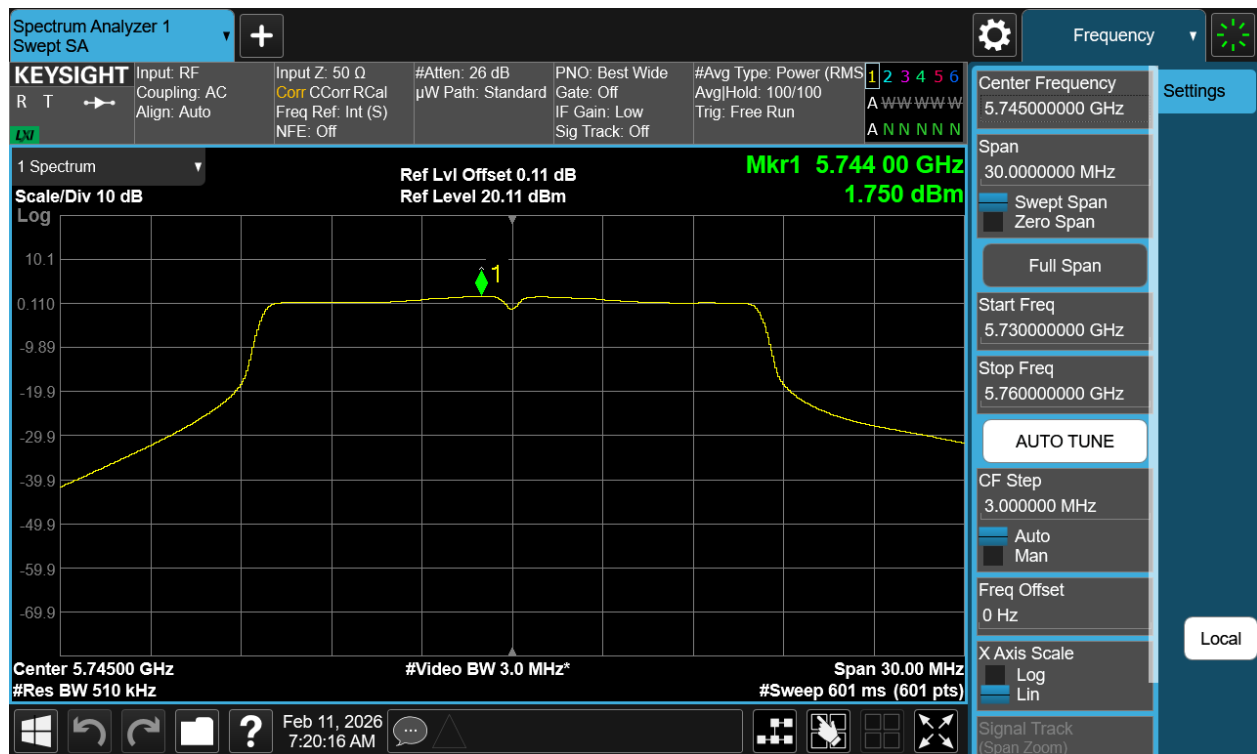


Plot 7-44 PSD CDD Antenna 0 (40MHz BW 802.11n - Ch.159)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 78 of 158

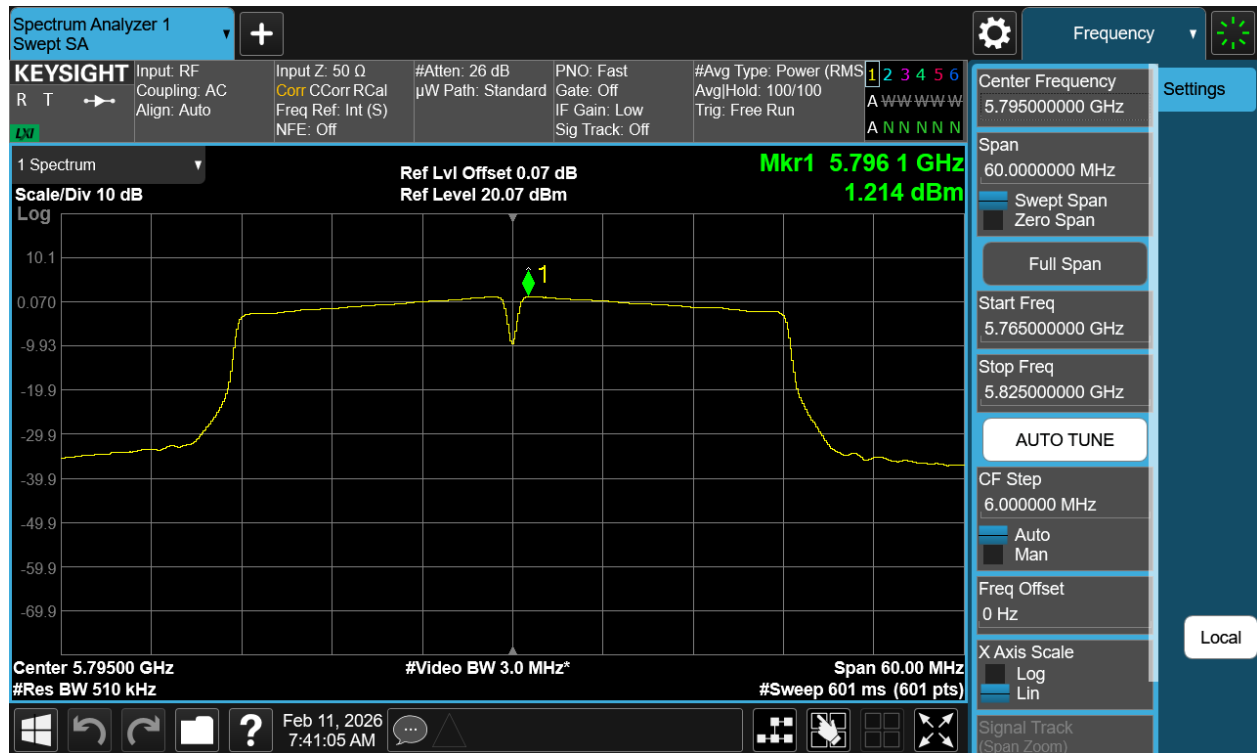


Plot 7-45 PSD CDD Antenna 0 (80MHz BW 802.11ac - Ch.155)

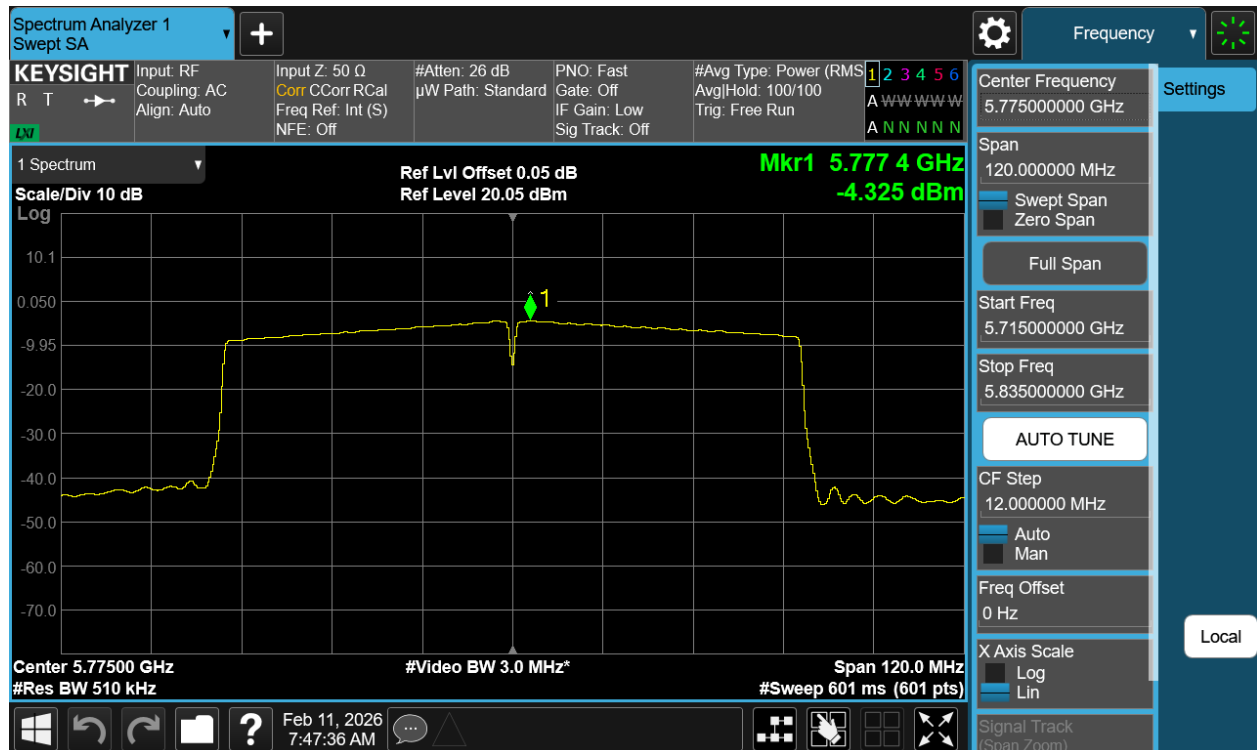


Plot 7-46 PSD CDD Antenna 1 (20MHz BW 802.11a - Ch.149)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 79 of 158



Plot 7-47 PSD CDD Antenna 1 (40MHz BW 802.11n - Ch.159)



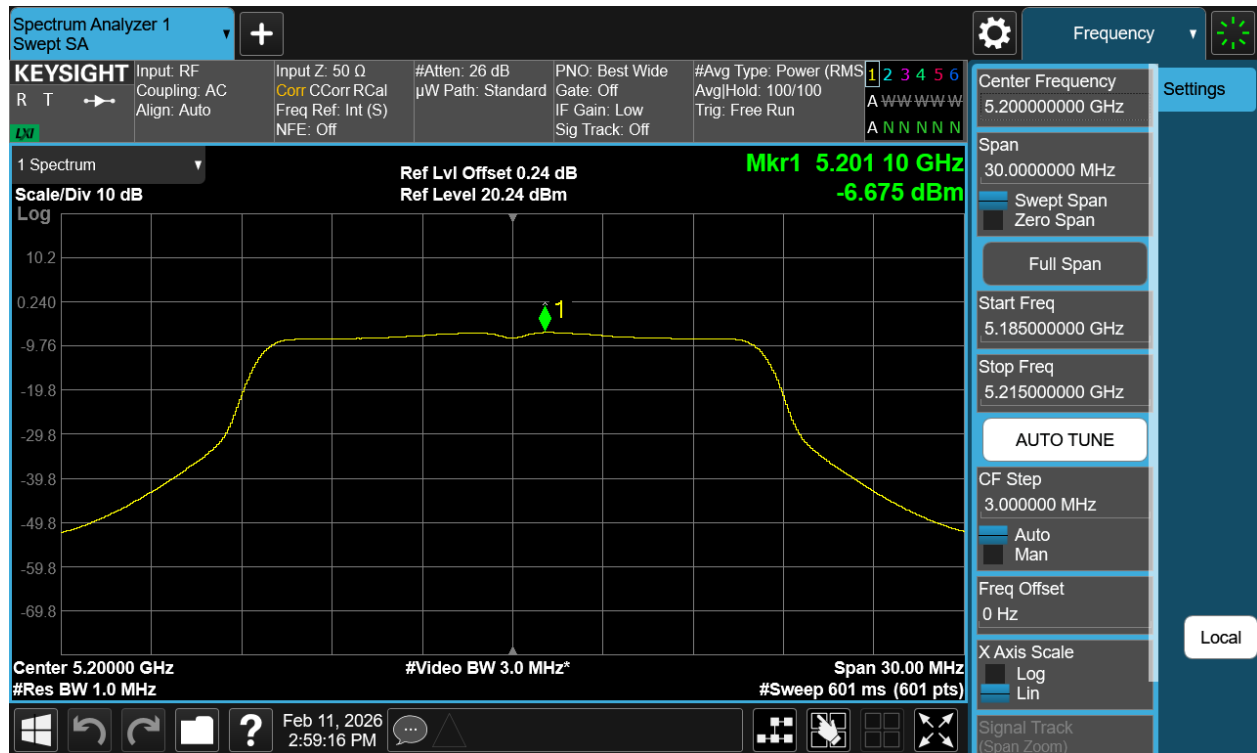
Plot 7-48 PSD CDD Antenna 1 (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 80 of 158

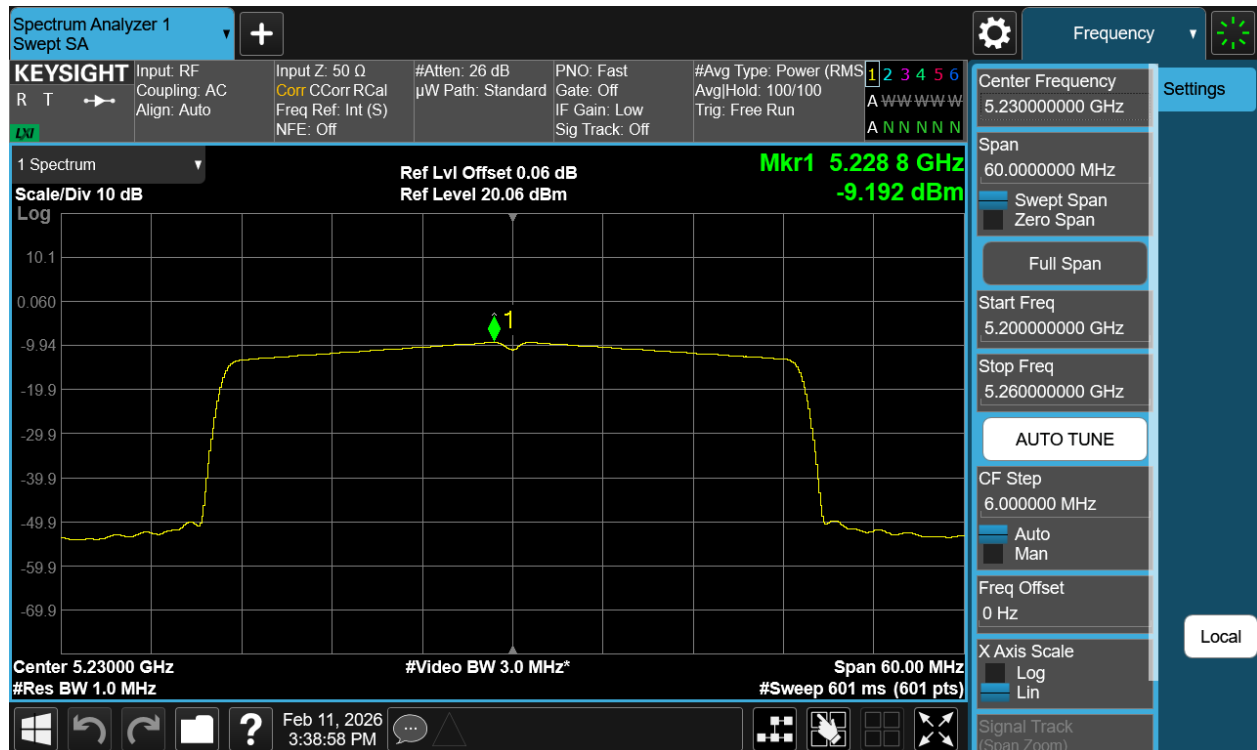
	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate	Antenna 0 Measured Power Density [dBm/MHz]	Antenna 1 Measured Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directoinal Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	CDD	36Mbps	-6.68	-8.02	-4.29	7.12	2.83	10.0	-7.17
	5200	40	a	CDD	36Mbps	-6.68	-7.97	-4.26	7.12	2.86	10.0	-7.14
	5240	48	a	CDD	18Mbps	-6.77	-7.86	-4.27	7.12	2.85	10.0	-7.15
	5180	36	n (20MHz)	CDD	MCS5	-7.00	-8.42	-4.64	7.12	2.48	10.0	-7.52
	5200	40	n (20MHz)	CDD	MCS5	-6.95	-8.28	-4.55	7.12	2.57	10.0	-7.43
	5240	48	n (20MHz)	CDD	MCS5	-7.09	-8.25	-4.62	7.12	2.50	10.0	-7.50
	5180	36	ax (SU) (20MHz)	CDD	MCS3	-8.02	-8.97	-5.46	7.12	1.66	10.0	-8.34
	5200	40	ax (SU) (20MHz)	CDD	MCS3	-7.95	-8.84	-5.36	7.12	1.76	10.0	-8.24
	5240	48	ax (SU) (20MHz)	CDD	MCS3	-7.07	-8.44	-4.69	7.12	2.43	10.0	-7.57
	5190	38	n (40MHz)	CDD	MCS0	-9.85	-10.28	-7.05	7.12	0.07	10.0	-9.93
	5230	46	n (40MHz)	CDD	MCS5	-9.42	-10.06	-6.72	7.12	0.40	10.0	-9.60
	5190	38	ax (SU) (40MHz)	CDD	MCS0	-9.76	-10.68	-7.19	7.12	-0.07	10.0	-10.07
	5230	46	ax (SU) (40MHz)	CDD	MCS0	-9.19	-9.83	-6.49	7.12	0.63	10.0	-9.37
	5210	42	ac (80MHz)	CDD	MCS3	-13.16	-14.38	-10.72	7.12	-3.60	10.0	-13.60
	5210	42	ax (SU) (80MHz)	CDD	MCS3	-13.09	-14.23	-10.61	7.12	-3.49	10.0	-13.49

Table 7-56. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 81 of 158



Plot 7-49 PSD CDD Antenna 0 (20MHz BW 802.11a - Ch.40)



Plot 7-50 PSD CDD Antenna 0 (40MHz BW 802.11ax(SU) - Ch.46)

FCC ID: BCGA3374 IC: 579C-A3374	element	Test Dates: 05/15/2025 - 2/10/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-07-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 82 of 158