

MEASUREMENT REPORT

FCC PART 15.407 / ISSED RSS-247 UNII 5GHz 802.11ax (OFDMA)

Applicant Name:

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

Date of Testing:

05/15/2025 - 3/18/2026

Test Report Issue Date:

9/15/2026

Test Site/Location:

Element Materials Technology, Morgan Hill, CA USA

Test Report Serial No.:

1C2505300067-08-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:

OFDMA

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 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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V 12.0 03/03/2026

Revision Summary

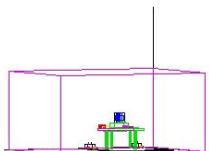
Revision	Date	Comments	Revised By
-	04/07/2026	Initial Release	WKR016696
R1	05/26/2026	Addressed comment in section 2.2	WKR016696
R2	07/29/2026	Addressed comments in 7.2-7.6	WKR07203
R3	08/11/2026	Addressed comments in cover page, footer, and section 2.1	WKR016622

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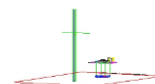
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UNII Band	Channel Bandwidth (MHz)	Tx Frequency (MHz)	SISO				CDD/SDM	
			Antenna 0		Antenna 1		Summed	
			Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)
1	20	5180 - 5240	42.855	16.32	43.351	16.37	75.509	18.78
2A		5260 - 5320	43.954	16.43	43.551	16.39	74.302	18.71
2C		5500 - 5720	41.210	16.15	44.668	16.50	75.858	18.80
3		5745 - 5825	44.157	16.45	43.652	16.40	77.268	18.88
1	40	5190 - 5230	41.115	16.14	44.361	16.47	76.033	18.81
2A		5270 - 5310	42.462	16.28	42.462	16.28	80.353	19.05
2C		5510 - 5710	60.117	17.79	60.814	17.84	123.595	20.92
3		5755 - 5795	61.094	17.86	56.234	17.50	117.490	20.70
1	80	5210	11.482	10.60	11.940	10.77	19.011	12.79
2A		5290	12.106	10.83	12.445	10.95	18.880	12.76
2C		5530 - 5690	59.429	17.74	62.087	17.93	119.950	20.79
3		5775	31.117	14.93	30.200	14.80	53.088	17.25

FCC EUT Overview

UNII Band	Channel Bandwidth (MHz)	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	5180 - 5240	34.356	15.36	34.834	15.42	34.198	15.34
2A		5260 - 5320	43.954	16.43	43.551	16.39	74.302	18.71
2C		5500 - 5720	41.210	16.15	44.668	16.50	75.858	18.80
3		5745 - 5825	44.157	16.45	43.652	16.40	77.268	18.88
1	40	5190 - 5230	41.020	16.13	44.361	16.47	53.333	17.27
2A		5270 - 5310	42.462	16.28	42.462	16.28	80.353	19.05
2C		5510 - 5710	59.566	17.75	60.814	17.84	119.674	20.78
3		5755 - 5795	61.094	17.86	56.234	17.50	117.490	20.70
1	80	5210	17.061	12.32	11.940	10.77	18.664	12.71
2A		5290	12.106	10.83	12.445	10.95	18.880	12.76
2C		5530 - 5690	59.429	17.74	62.087	17.93	119.950	20.79
3		5775	31.117	14.93	30.200	14.80	53.088	17.25

ISED EUT Overview

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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 (22831) test laboratory with the site description on file with ISED.
- 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).

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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 802.11ax - RU 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

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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) of 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 0		Antenna 1		CDD/SDM Primary	
	Duty Cycle [%]	Radiated DCCF [dB]	Duty Cycle [%]	Radiated DCCF [dB]	Duty Cycle [%]	Radiated DCCF [dB]
(RU) 26T HE20	98.855	0.050	98.537	0.064	98.742	0.055
(RU) 52T HE20	98.583	0.062	98.583	0.062	98.719	0.056
(RU) 106T HE20	98.311	0.074	98.855	0.050	98.742	0.055
(RU) 242T HE20	98.492	0.066	97.859	0.094	98.062	0.085
(RU) 26T HE40	98.311	0.074	98.514	0.065	98.311	0.074
(RU) 52T HE40	98.583	0.062	98.537	0.064	98.742	0.055
(RU) 106T HE40	98.946	0.046	98.855	0.050	98.311	0.074
(RU) 242T HE40	98.130	0.082	98.062	0.085	97.859	0.094
(RU) 484T HE40	96.627	0.149	96.405	0.159	96.805	0.141
(RU) 26T HE80	98.583	0.062	98.583	0.062	81.809	0.872
(RU) 52T HE80	98.537	0.064	98.855	0.050	98.537	0.064
(RU) 106T HE80	98.719	0.056	98.742	0.055	98.719	0.056
(RU) 242T HE80	98.265	0.076	98.492	0.066	98.265	0.076
(RU) 484T HE80	97.185	0.124	96.805	0.141	96.805	0.141
(RU) 996T HE80	93.929	0.272	94.493	0.246	94.450	0.248

Table 2-4. Measured Duty Cycles

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2. The device employs CDD/SDM 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	11ax (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓
	11ax (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓
	11ax (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓
	11ax (160MHz)	✗	✗	✗	✗	✗	✗	✗	✗

Table 2-5. WIFI Configurations

✓ = Support ; ✗ = NOT Support

SISO = Single Input Single Output

CDD = Cyclic Delay Diversity – 2Tx Function

SDM = Spatial Diversity Multiplexing – CDD/SDM function

STBC = Space-Time Block Coding – 2Tx Function

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

MCS Index	MU-OFDMA (802.11ax)																	
	26-tone RU			52-tone RU			106-tone RU			242-tone RU			484-tone RU			996-tone RU		
	1.6μs GI	3.2μs 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	0.8μs GI	1.6μs GI	3.2μs GI	0.8μs GI	1.6μs GI	3.2μs GI	
HE	0.8	0.8	1.8	1.7	1.5	3.8	3.5	3.2	8.6	8.1	7.3	17.2	16.3	14.6	36	34	30.6	
0	1.7	1.5	3.5	3.3	3	7.5	7.1	6.4	17.2	16.3	14.6	34.4	32.5	29.3	72.1	68.1	61.3	
1	2.5	2.3	5.3	5	4.5	11.3	10.6	9.6	25.8	24.4	21.9	51.6	48.8	43.9	108.1	102.1	91.9	
2	3.3	3	7.1	6.7	6	15	14.2	12.8	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	122.5	
3	5	4.5	10.6	10	9	22.5	21.3	19.1	51.6	48.8	43.9	103.2	97.5	87.8	216.2	204.2	183.8	
4	6.7	6	14.1	13.3	12	30	28.3	25.5	68.8	65	58.5	137.6	130	117	288.2	272.2	245	
5	7.5	6.8	15.9	15	13.5	33.8	31.9	28.7	77.4	73.1	65.8	154.9	146.3	131.6	324.3	306.3	275.6	
6	8.3	7.5	17.6	16.7	15	37.5	35.4	31.9	86	81.3	73.1	172.1	162.5	146.3	360.3	340.3	306.3	
7	10	9	21.2	20	18	45	42.5	38.3	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	367.5	
8	11.1	10	23.5	22.2	20	50	47.2	42.5	114.7	108.3	97.5	229.4	216.7	195	480.4	453.7	408.3	
9	12.5	11.3	26.5	25	22.5	56.3	53.1	47.8	129	121.9	109.7	258.1	243.8	219.4	540.4	510.4	459.4	
10	13.9	12.5	29.4	27.8	25	62.5	59	53.1	143.4	135.4	121.9	286.8	270.8	243.8	600.5	567.1	510.4	
11	1.7	1.5	3.5	3.3	3	7.5	7.1	6.4	17.2	16.3	14.6	34.4	32.5	29.3	72.1	68.1	61.3	
0	3.3	3	7.1	6.7	6	15	14.2	12.8	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	122.5	
1	5	4.5	10.6	10	9	22.5	21.3	19.1	51.6	48.8	43.9	103.2	97.5	87.8	216.2	204.2	183.8	
2	6.7	6	14.1	13.3	12	30	28.3	25.5	68.8	65	58.5	137.6	130	117	288.2	272.2	245	
3	10	9	21.2	20	18	45	42.5	38.3	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	367.5	
4	13.3	12	28.2	26.7	24	60	56.7	51	137.6	130	117	275.3	260	234	576.5	544.4	490	
5	15	13.5	31.8	30	27	67.5	63.8	57.4	154.9	146.3	131.6	309.7	292.5	263.3	648.5	612.5	551.3	
6	16.7	15	35.3	33.3	30	75	70.8	63.8	172.1	162.5	146.3	344.1	325	292.5	720.6	680.6	612.5	
7	20	18	42.4	40	36	90	85	76.5	206.5	195	175.5	412.9	390	351	864.7	816.7	735	
8	22.2	20	47.1	44.4	40	100	94.4	85	229.4	216.7	195	458.8	433.3	390	960.8	907.4	816.7	
9	25	22.5	52.9	50	45	112.5	106.3	95.6	258.1	243.8	219.4	516.2	487.5	438.8	1080.9	1020.8	918.8	
10	27.8	25	58.8	55.6	50	125	118.1	106.3	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 and reported in RF Bluetooth and RF UNII 5GHz OFDM test reports.

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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:	C4H042705ZNPM0WA6
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

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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 were investigated and EUT powered by AC/DC was the worst case.

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

802.11ax-RU HE20/40/80 2TX CDD/SDM mode test data provided in this report covers 802.11ax-RU HE20/40/80 2TX STBC mode.

For 802.11a/n/ac/ax-SU test results, see separate UNII report, 1C2505300067-07-R2.BCG

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.

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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.

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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 D01 v01r01, 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).

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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.

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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

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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.

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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 (N/A)
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 0
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 0, 7.7
15.207	RSS-Gen [7.4.2]	AC Conducted Emissions 150kHz – 30MHz	< FCC 15.207 (RSS-Gen [7.4.2]) limits	AC LINE CONDUCTED	PASS	Section 7.8

Table 7-1. Summary of Test Results

Notes:

- 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.
- 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.
- 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.
- 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 1.5.0.
- 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 3.6.1.
- 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.
- Only one RU index could be selected at a time so no contiguous or non-contiguous RU's were considered for testing.
- 802.11ax OFDMA testing was performed for all signal tone configurations as specified by the 802.11ax standard. Worst case results are determined and reported per the guidance provided at the October 2018 TCB Workshop.

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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 ISED.

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 antenna configs were investigated and only the worst case is reported.
2. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's were reported
3. Low, mid, and high channels were tested and tabular data has been reported. Only worst case channel bandwidth plots have been reported.

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7.2.1 Antenna 0 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	ax (20MHz)	26	4	MCS5	17.02	18.27
	5200	40	ax (20MHz)	26	4	MCS5	17.04	18.26
	5240	48	ax (20MHz)	26	4	MCS5	16.73	18.36
	5190	38	ax (40MHz)	26	0	MCS5	17.63	19.38
	5230	46	ax (40MHz)	26	0	MCS5	17.85	19.04
	5210	42	ax (80MHz)	26	36	MCS5	18.10	19.28
Band 2A	5260	52	ax (20MHz)	52	39	MCS5	16.60	18.41
	5280	60	ax (20MHz)	52	39	MCS5	16.95	18.31
	5320	64	ax (20MHz)	52	39	MCS5	16.99	18.23
	5270	54	ax (40MHz)	52	44	MCS5	17.61	19.45
	5310	62	ax (40MHz)	52	44	MCS5	17.63	19.05
	5290	58	ax (80MHz)	52	52	MCS5	17.96	19.86
Band 2C	5500	100	ax (20MHz)	52	39	MCS5	16.99	18.39
	5580	116	ax (20MHz)	52	39	MCS5	17.06	18.45
	5720	144	ax (20MHz)	52	39	MCS5	16.92	18.47
	5510	102	ax (40MHz)	52	37	MCS5	17.61	20.10
	5550	110	ax (40MHz)	52	37	MCS5	17.84	20.56
	5590	118	ax (40MHz)	52	44	MCS5	17.66	20.17
	5670	134	ax (40MHz)	52	44	MCS5	17.83	20.37
	5710	142	ax (40MHz)	52	37	MCS5	17.78	19.85
	5530	106	ax (80MHz)	52	37	MCS5	18.06	20.75
	5610	122	ax (80MHz)	52	52	MCS5	18.09	20.67
	5690	138	ax (80MHz)	52	52	MCS5	17.83	20.13

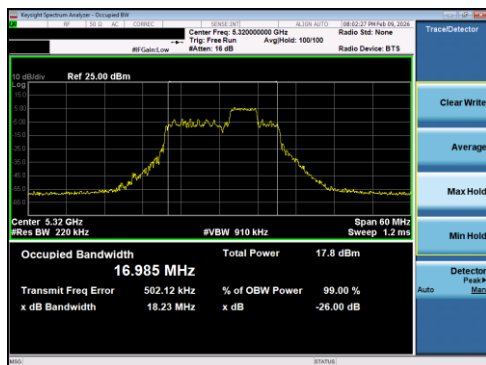
Table 7-2. Conducted BW Measurements Antenna 0 (Lowest Partial RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	ax (20MHz)	242	61	MCS5	19.12	22.33
	5200	40	ax (20MHz)	242	61	MCS5	19.14	22.96
	5240	48	ax (20MHz)	242	61	MCS5	19.14	22.33
	5190	38	ax (40MHz)	484	65	MCS5	39.14	89.71
	5230	46	ax (40MHz)	484	65	MCS5	38.23	57.32
	5210	42	ax (80MHz)	996	67	MCS5	79.06	178.81
Band 2A	5260	52	ax (20MHz)	242	61	MCS5	19.11	22.91
	5280	60	ax (20MHz)	242	61	MCS5	19.13	22.51
	5320	64	ax (20MHz)	242	61	MCS5	19.12	22.22
	5270	54	ax (40MHz)	484	65	MCS5	37.99	40.00
	5310	62	ax (40MHz)	484	65	MCS5	37.90	39.96
	5290	58	ax (80MHz)	996	67	MCS5	77.51	80.83
Band 2C	5500	100	ax (20MHz)	242	61	MCS5	19.11	22.29
	5580	116	ax (20MHz)	242	61	MCS5	19.13	22.35
	5720	144	ax (20MHz)	242	61	MCS5	19.13	22.23
	5510	102	ax (40MHz)	484	65	MCS5	37.95	39.95
	5550	110	ax (40MHz)	484	65	MCS5	37.96	39.99
	5590	118	ax (40MHz)	484	65	MCS5	38.05	40.58
	5670	134	ax (40MHz)	484	65	MCS5	37.98	39.95
	5710	142	ax (40MHz)	484	65	MCS5	37.91	39.97
	5530	106	ax (80MHz)	996	67	MCS5	78.54	166.45
	5610	122	ax (80MHz)	996	67	MCS5	77.51	80.84
	5690	138	ax (80MHz)	996	67	MCS5	77.72	80.83

Table 7-3. Conducted BW Measurements Antenna 0 (Fully – Loaded RU)

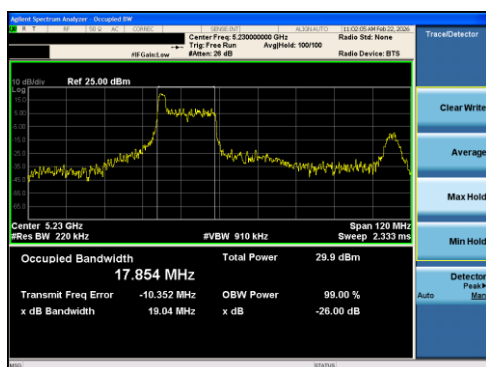
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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Plot 7-1 26dB BW & 99% OBW Antenna 0 (20MHz BW 802.11ax(RU) RU52 Index39 - Ch.64)



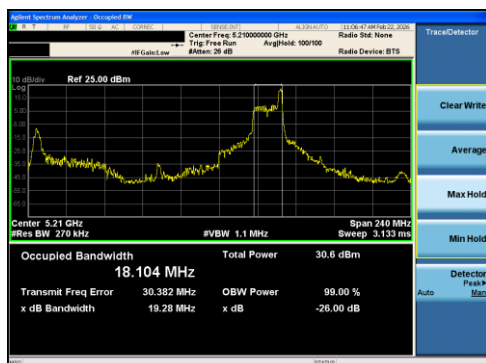
Plot 7-4 26dB BW & 99% OBW Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.64)



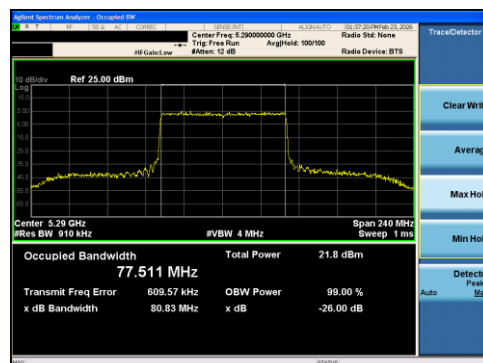
Plot 7-2 26dB BW & 99% OBW Antenna 0 (40MHz BW 802.11ax(RU) RU26 Index0 - Ch.46)



Plot 7-5 26dB BW & 99% OBW Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.102)



Plot 7-3 26dB BW & 99% OBW Antenna 0 (80MHz BW 802.11ax(RU) RU26 Index36 - Ch.42)



Plot 7-6 26dB BW & 99% OBW Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.58)

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7.2.2 Antenna 1 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	ax (20MHz)	26	4	MCS5	16.91	18.17
	5200	40	ax (20MHz)	26	4	MCS5	17.01	18.09
	5240	48	ax (20MHz)	26	4	MCS5	17.03	18.13
	5190	38	ax (40MHz)	26	0	MCS5	17.68	18.89
	5230	46	ax (40MHz)	26	0	MCS5	17.65	18.92
	5210	42	ax (80MHz)	26	36	MCS5	18.08	19.32
Band 2A	5260	52	ax (20MHz)	52	39	MCS5	17.10	18.17
	5280	60	ax (20MHz)	52	39	MCS5	17.09	18.22
	5320	64	ax (20MHz)	52	39	MCS5	17.00	18.11
	5270	54	ax (40MHz)	52	44	MCS5	17.53	19.04
	5310	62	ax (40MHz)	52	44	MCS5	17.38	18.87
	5290	58	ax (80MHz)	52	52	MCS5	17.72	19.50
Band 2C	5500	100	ax (20MHz)	52	39	MCS5	16.38	18.10
	5580	116	ax (20MHz)	52	39	MCS5	16.95	18.17
	5720	144	ax (20MHz)	52	39	MCS5	16.69	18.10
	5510	102	ax (40MHz)	52	37	MCS5	17.60	18.97
	5550	110	ax (40MHz)	52	44	MCS5	17.56	18.86
	5590	118	ax (40MHz)	52	44	MCS5	17.56	18.96
	5670	134	ax (40MHz)	52	44	MCS5	17.59	18.91
	5710	142	ax (40MHz)	52	44	MCS5	17.56	19.03
	5530	106	ax (80MHz)	52	52	MCS5	17.82	19.53
	5610	122	ax (80MHz)	52	52	MCS5	17.90	19.40
	5690	138	ax (80MHz)	52	52	MCS5	17.75	19.22

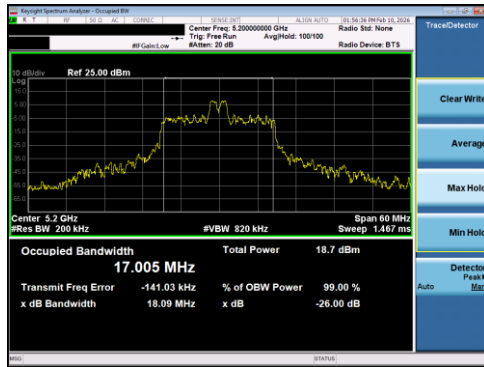
Table 7-4. Conducted BW Measurements Antenna 1 (Lowest Partial RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

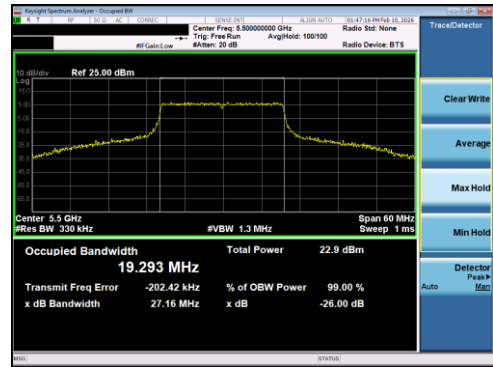
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	ax (20MHz)	242	61	MCS5	23.71	49.69
	5200	40	ax (20MHz)	242	61	MCS5	20.28	43.16
	5240	48	ax (20MHz)	242	61	MCS5	20.54	46.67
	5190	38	ax (40MHz)	484	65	MCS5	38.24	52.98
	5230	46	ax (40MHz)	484	65	MCS5	38.79	88.86
	5210	42	ax (80MHz)	996	67	MCS5	77.67	80.61
Band 2A	5260	52	ax (20MHz)	242	61	MCS5	20.29	44.60
	5280	60	ax (20MHz)	242	61	MCS5	19.81	43.84
	5320	64	ax (20MHz)	242	61	MCS5	19.47	35.41
	5270	54	ax (40MHz)	484	65	MCS5	38.63	74.82
	5310	62	ax (40MHz)	484	65	MCS5	38.09	40.18
	5290	58	ax (80MHz)	996	67	MCS5	77.61	80.65
Band 2C	5500	100	ax (20MHz)	242	61	MCS5	19.29	27.16
	5580	116	ax (20MHz)	242	61	MCS5	19.74	37.34
	5720	144	ax (20MHz)	242	61	MCS5	19.57	33.68
	5510	102	ax (40MHz)	484	65	MCS5	38.03	39.92
	5550	110	ax (40MHz)	484	65	MCS5	38.51	74.63
	5590	118	ax (40MHz)	484	65	MCS5	39.11	85.22
	5670	134	ax (40MHz)	484	65	MCS5	39.41	89.59
	5710	142	ax (40MHz)	484	65	MCS5	37.99	39.87
	5530	106	ax (80MHz)	996	67	MCS5	80.72	196.54
	5610	122	ax (80MHz)	996	67	MCS5	77.51	80.75
	5690	138	ax (80MHz)	996	67	MCS5	79.72	197.90

Table 7-5. Conducted BW Measurements Antenna 1 (Fully – loaded RU)

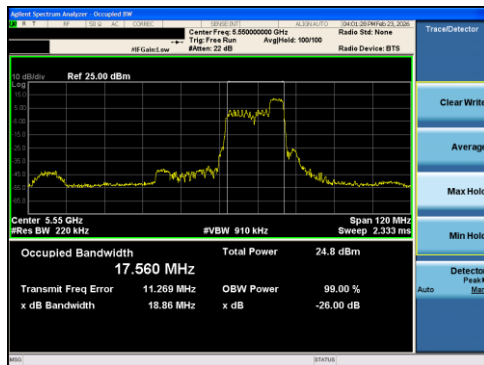
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 23 of 160



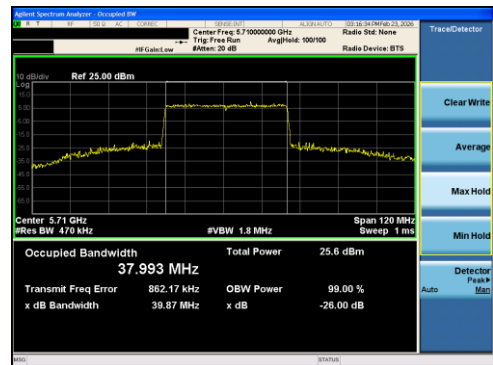
Plot 7-7 26dB BW & 99% OBW Antenna 1 (20MHz BW 802.11ax(RU) RU26 Index4 - Ch.40)



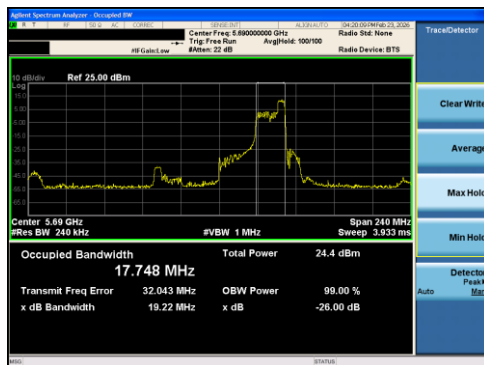
Plot 7-10 26dB BW & 99% OBW Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.100)



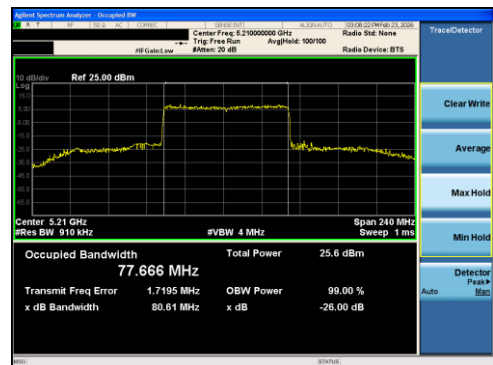
Plot 7-8 26dB BW & 99% OBW Antenna 1 (40MHz BW 802.11ax(RU) RU52 Index44 - Ch.110)



Plot 7-11 26dB BW & 99% OBW Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.142)



Plot 7-9 26dB BW & 99% OBW Antenna 1 (80MHz BW 802.11ax(RU) RU52 Index52 - Ch.138)



Plot 7-12 26dB BW & 99% OBW Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.42)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

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 antenna configurations were investigated and only the worst case is reported
2. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's were reported.
3. Low, mid, and high channels were tested and tabular data has been reported. Only worst case channel bandwidth plots have been reported.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.3.1 Antenna 0 6dB Bandwidth Measurements

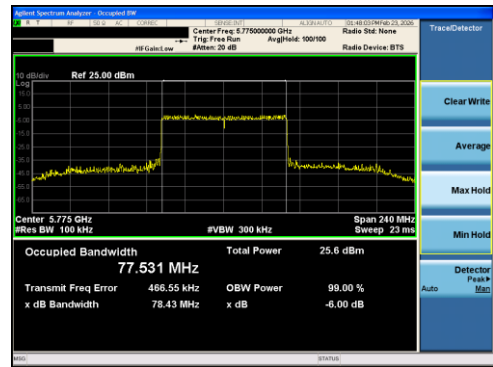
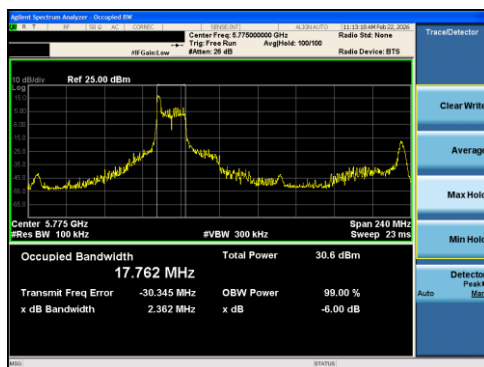
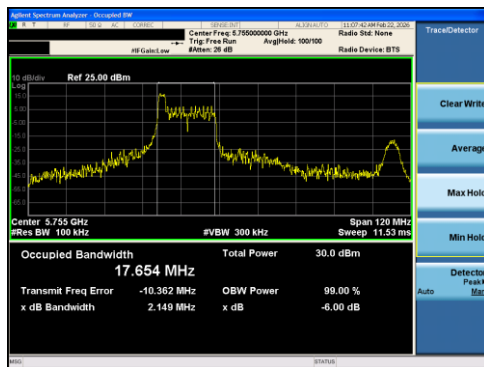
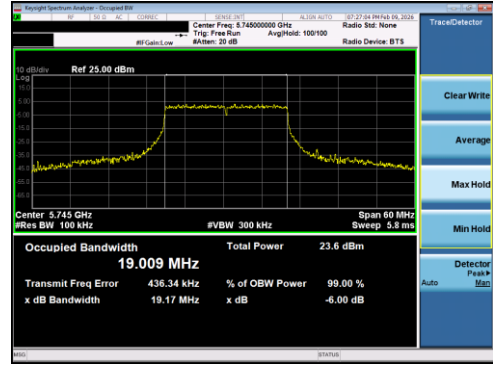
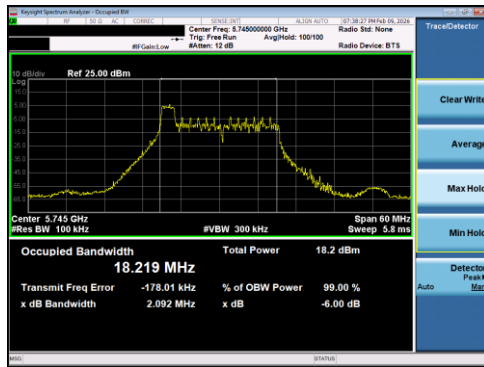
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	26	0	MCS5	2.09	0.50	Pass
	5785	157	ax (20MHz)	26	0	MCS5	2.12	0.50	Pass
	5825	165	ax (20MHz)	26	0	MCS5	2.10	0.50	Pass
	5755	151	ax (40MHz)	26	0	MCS5	2.15	0.50	Pass
	5795	159	ax (40MHz)	26	0	MCS5	2.16	0.50	Pass
	5775	155	ax (80MHz)	26	0	MCS5	2.36	0.50	Pass

Table 7-6. Conducted Bandwidth Measurements Antenna 0 (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	242	61	MCS5	19.17	0.50	Pass
	5785	157	ax (20MHz)	242	61	MCS5	19.18	0.50	Pass
	5825	165	ax (20MHz)	242	61	MCS5	19.20	0.50	Pass
	5755	151	ax (40MHz)	484	65	MCS5	38.30	0.50	Pass
	5795	159	ax (40MHz)	484	65	MCS5	38.28	0.50	Pass
	5775	155	ax (80MHz)	996	67	MCS5	78.43	0.50	Pass

Table 7-7. Conducted Bandwidth Measurements Antenna 0 (Fully- loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160



FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.3.2 Antenna 1 6dB Bandwidth Measurements

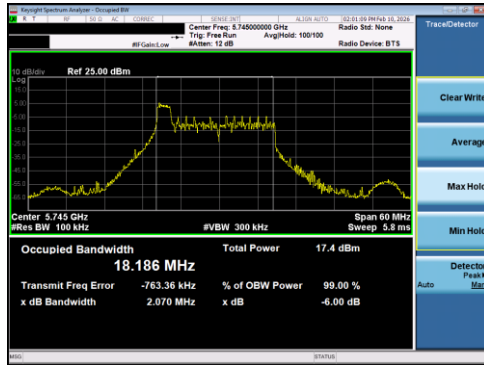
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	26	0	MCS5	2.07	0.50	Pass
	5785	157	ax (20MHz)	26	0	MCS5	2.12	0.50	Pass
	5825	165	ax (20MHz)	26	8	MCS5	2.13	0.50	Pass
	5755	151	ax (40MHz)	26	17	MCS5	2.16	0.50	Pass
	5795	159	ax (40MHz)	26	0	MCS5	2.17	0.50	Pass
	5775	155	ax (80MHz)	26	36	MCS5	2.42	0.50	Pass

Table 7-8. Conducted Bandwidth Measurements Antenna 1 (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	242	61	MCS5	19.16	0.50	Pass
	5785	157	ax (20MHz)	242	61	MCS5	19.15	0.50	Pass
	5825	165	ax (20MHz)	242	61	MCS5	19.16	0.50	Pass
	5755	151	ax (40MHz)	484	65	MCS5	38.29	0.50	Pass
	5795	159	ax (40MHz)	484	65	MCS5	38.28	0.50	Pass
	5775	155	ax (80MHz)	996	67	MCS5	78.42	0.50	Pass

Table 7-9. Conducted Bandwidth Measurements Antenna 1 (Fully- loaded RU)

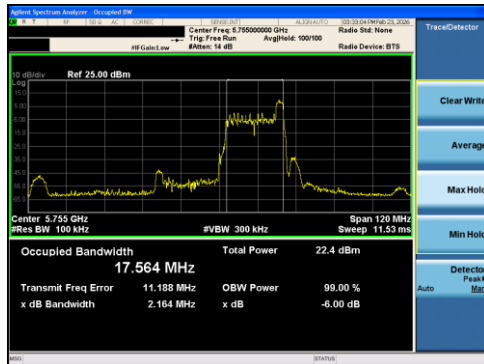
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 28 of 160



Plot 7-19 6dB OBW Antenna 1 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.149)



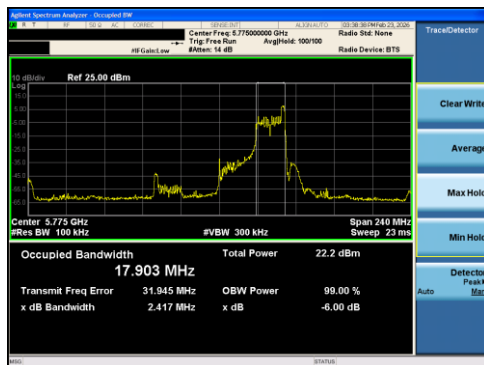
Plot 7-22 6dB OBW Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.157)



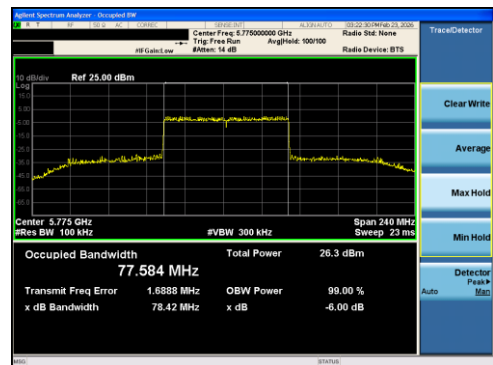
Plot 7-20 6dB OBW Antenna 1 (40MHz BW 802.11ax(RU) RU26 Index17 - Ch.151)



Plot 7-23 6dB OBW Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.159)



Plot 7-21 6dB OBW Antenna 1 (80MHz BW 802.11ax(RU) RU26 Index36 - Ch.155)



Plot 7-24 6dB OBW Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.155)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

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 – 5.35 GHz band, the maximum permissible conducted output power is the lesser of 250 mW (23.98 dBm) or $11 \text{ dBm} + 10 \log_{10}(B)$. 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 – 5.725 GHz band, the maximum permissible conducted output power is the lesser of 250 mW (23.98 dBm) or $11 \text{ dBm} + 10 \log_{10}(B)$. 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 E)3)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 E)1) 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.
2. For MIMO output power measurements, uncorrelated directional gain was applied to both CDD and SDM EIRP calculations.

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.4.1 FCC Antenna 0 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	26	0	MCS11	9.77	23.98	-14.21
			26	4	MCS11	9.69	23.98	-14.29
			26	8	MCS11	9.80	23.98	-14.18
	5200	40	26	0	MCS11	9.78	23.98	-14.20
			26	4	MCS11	9.68	23.98	-14.30
			26	8	MCS11	9.78	23.98	-14.20
	5240	48	26	0	MCS11	9.55	23.98	-14.43
			26	4	MCS11	9.94	23.98	-14.04
			26	8	MCS11	9.62	23.98	-14.36
	5745	149	26	0	MCS11	9.95	30.00	-20.05
			26	4	MCS11	9.88	30.00	-20.12
			26	8	MCS11	10.00	30.00	-20.00
	5785	157	26	0	MCS11	9.99	30.00	-20.01
			26	4	MCS11	9.86	30.00	-20.14
			26	8	MCS11	9.92	30.00	-20.08
	5825	165	26	0	MCS11	9.96	30.00	-20.04
			26	4	MCS11	9.89	30.00	-20.11
			26	8	MCS11	9.98	30.00	-20.02

Table 7-10. FCC Antenna 0 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	52	37	MCS11	10.65	23.98	-13.33
			52	39	MCS11	10.65	23.98	-13.33
			52	40	MCS11	10.71	23.98	-13.27
	5200	40	52	37	MCS11	10.69	23.98	-13.29
			52	39	MCS11	10.67	23.98	-13.31
			52	40	MCS11	10.71	23.98	-13.27
	5240	48	52	37	MCS11	10.62	23.98	-13.36
			52	39	MCS11	10.63	23.98	-13.35
			52	40	MCS11	10.52	23.98	-13.46
	5260	52	52	37	MCS11	10.54	23.59	-13.05
			52	39	MCS11	10.56	23.59	-13.03
			52	40	MCS11	10.63	23.59	-12.96
	5300	60	52	37	MCS11	10.55	23.59	-13.04
			52	39	MCS11	10.56	23.59	-13.03
			52	40	MCS11	10.62	23.59	-12.97
	5320	64	52	37	MCS11	10.64	23.59	-12.95
			52	39	MCS11	10.61	23.59	-12.98
			52	40	MCS11	10.67	23.59	-12.92
	5500	100	52	37	MCS11	10.79	23.57	-12.78
			52	39	MCS11	10.72	23.57	-12.85
			52	40	MCS11	10.76	23.57	-12.81
	5580	116	52	37	MCS11	10.75	23.57	-12.82
			52	39	MCS11	10.76	23.57	-12.81
			52	40	MCS11	10.84	23.57	-12.73
	5720	144	52	37	MCS11	10.56	23.57	-13.01
			52	39	MCS11	10.60	23.57	-12.97
			52	40	MCS11	10.71	23.57	-12.86
	5745	149	52	37	MCS11	10.92	30.00	-19.08
			52	39	MCS11	10.89	30.00	-19.11
			52	40	MCS11	10.57	30.00	-19.43
	5785	157	52	37	MCS11	10.54	30.00	-19.46
			52	39	MCS11	10.97	30.00	-19.03
			52	40	MCS11	11.00	30.00	-19.00
	5825	165	52	37	MCS11	10.92	30.00	-19.08
			52	39	MCS11	10.93	30.00	-19.07
			52	40	MCS11	10.50	30.00	-19.50

Table 7-11. FCC Antenna 0 20MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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.		

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	106	53	MCS11	11.76	23.98	-12.22
			106	54	MCS11	11.81	23.98	-12.17
	5200	40	106	53	MCS11	11.79	23.98	-12.19
			106	54	MCS11	11.83	23.98	-12.15
	5240	48	106	53	MCS11	11.98	23.98	-12.00
			106	54	MCS11	11.52	23.98	-12.46
	5260	52	106	53	MCS11	11.52	23.59	-12.08
			106	54	MCS11	11.57	23.59	-12.02
	5300	60	106	53	MCS11	11.67	23.59	-11.92
			106	54	MCS11	11.71	23.59	-11.88
	5320	64	106	53	MCS11	11.70	23.59	-11.90
			106	54	MCS11	11.72	23.59	-11.87
	5500	100	106	53	MCS11	11.81	23.57	-11.76
			106	54	MCS11	11.70	23.57	-11.87
	5520	104	106	53	MCS11	11.82	23.57	-11.75
			106	54	MCS11	11.73	23.57	-11.84
	5580	116	106	53	MCS11	11.77	23.57	-11.80
			106	54	MCS11	11.81	23.57	-11.77
	5660	132	106	53	MCS11	11.91	23.57	-11.66
			106	54	MCS11	11.84	23.57	-11.73
	5680	136	106	53	MCS11	11.74	23.57	-11.83
			106	54	MCS11	11.86	23.57	-11.71
	5700	140	106	53	MCS11	11.56	23.57	-12.01
			106	54	MCS11	11.66	23.57	-11.91
	5720	144	106	53	MCS11	11.56	23.57	-12.01
			106	54	MCS11	11.66	23.57	-11.91
	5745	149	106	53	MCS11	11.91	30.00	-18.10
			106	54	MCS11	11.93	30.00	-18.07
	5785	157	106	53	MCS11	11.96	30.00	-18.04
			106	54	MCS11	11.92	30.00	-18.08
	5825	165	106	53	MCS11	11.90	30.00	-18.10
			106	54	MCS11	11.94	30.00	-18.06

Table 7-12. FCC Antenna 0 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	242	61	MCS11	15.06	23.98	-8.92
	5200	40	242	61	MCS11	16.08	23.98	-7.90
	5240	48	242	61	MCS11	16.32	23.98	-7.66
	5260	52	242	61	MCS11	16.43	23.58	-7.16
	5300	60	242	61	MCS11	14.46	23.58	-9.12
	5320	64	242	61	MCS11	15.44	23.58	-8.14
	5500	100	242	61	MCS11	13.57	23.58	-10.02
	5520	104	242	61	MCS11	15.69	23.58	-7.90
	5540	108	242	61	MCS11	16.15	23.58	-7.44
	5580	116	242	61	MCS11	16.10	23.58	-7.48
	5660	132	242	61	MCS11	16.12	23.58	-7.46
	5680	136	242	61	MCS11	15.10	23.58	-8.48
	5700	140	242	61	MCS11	15.23	23.58	-8.35
	5720	144	242	61	MCS11	16.05	23.58	-7.54
	5745	149	242	61	MCS11	16.31	30.00	-13.70
	5785	157	242	61	MCS11	16.33	30.00	-13.67
	5825	165	242	61	MCS11	16.45	30.00	-13.55

Table 7-12. FCC Antenna 0 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	484	65	MCS11	12.26	23.98	-11.72
	5230	46	484	65	MCS11	16.14	23.98	-7.84
	5270	54	484	65	MCS11	16.28	23.98	-7.70
	5310	62	484	65	MCS11	12.25	23.98	-11.74
	5510	102	484	65	MCS11	11.79	23.98	-12.19
	5550	110	484	65	MCS11	15.28	23.98	-8.70
	5590	118	484	65	MCS11	17.79	23.98	-6.19
	5630	126	484	65	MCS11	15.93	23.98	-8.05
	5670	134	484	65	MCS11	13.38	23.98	-10.61
	5710	142	484	65	MCS11	17.75	23.98	-6.23
	5755	151	484	65	MCS11	16.58	30.00	-13.42
	5795	159	484	65	MCS11	17.86	30.00	-12.14

Table 7-11. FCC Antenna 0 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	996	67	MCS11	10.60	23.98	-13.38
	5290	58	996	67	MCS11	10.83	23.98	-13.15
	5530	106	996	67	MCS11	9.51	23.98	-14.47
	5610	122	996	67	MCS11	14.94	23.98	-9.04
	5690	138	996	67	MCS11	17.74	23.98	-6.24
	5775	155	996	67	MCS11	14.93	30.00	-15.08

Table 7-12. FCC Antenna 0 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 33 of 160

7.4.2 ISED Antenna 0 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	26	0	MCS11	6.18	-	-	4.24	10.42	22.55	-12.13
			26	4	MCS11	6.09	-	-	4.24	10.33	22.55	-12.22
			26	8	MCS11	6.34	-	-	4.24	10.58	22.55	-11.96
	5200	40	26	0	MCS11	6.17	-	-	4.24	10.41	22.55	-12.14
			26	4	MCS11	6.14	-	-	4.24	10.38	22.55	-12.17
			26	8	MCS11	6.20	-	-	4.24	10.44	22.55	-12.11
	5240	48	26	0	MCS11	6.47	-	-	4.24	10.71	22.55	-11.84
			26	4	MCS11	6.44	-	-	4.24	10.68	22.55	-11.87
			26	8	MCS11	6.47	-	-	4.24	10.71	22.55	-11.84
	5745	149	26	0	MCS11	9.95	30.00	-20.05	4.60	14.55	-	-
			26	4	MCS11	9.88	30.00	-20.12	4.60	14.48	-	-
			26	8	MCS11	10.00	30.00	-20.00	4.60	14.60	-	-
	5785	157	26	0	MCS11	9.99	30.00	-20.01	4.60	14.59	-	-
			26	4	MCS11	9.86	30.00	-20.14	4.60	14.46	-	-
			26	8	MCS11	9.92	30.00	-20.08	4.60	14.52	-	-
	5825	165	26	0	MCS11	9.96	30.00	-20.04	4.60	14.56	-	-
			26	4	MCS11	9.89	30.00	-20.11	4.60	14.49	-	-
			26	8	MCS11	9.98	30.00	-20.02	4.60	14.58	-	-

Table 7-13. ISED Antenna 0 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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]
	5260	52	52	37	MCS11	10.60	23.59	-12.99	5.29	15.89	29.59	-13.70
			52	39	MCS11	10.57	23.59	-13.02	5.29	15.86	29.59	-13.73
			52	40	MCS11	10.71	23.59	-12.88	5.29	16.00	29.59	-13.59
	5300	60	52	37	MCS11	10.93	23.59	-12.66	5.29	16.22	29.59	-13.37
			52	39	MCS11	10.94	23.59	-12.65	5.29	16.23	29.59	-13.36
			52	40	MCS11	10.61	23.59	-12.98	5.29	15.90	29.59	-13.69
	5320	64	52	37	MCS11	10.96	23.59	-12.63	5.29	16.25	29.59	-13.34
			52	39	MCS11	10.47	23.59	-13.12	5.29	15.76	29.59	-13.83
			52	40	MCS11	10.64	23.59	-12.95	5.29	15.93	29.59	-13.66
	5500	100	52	37	MCS11	10.73	23.57	-12.85	4.88	15.61	29.57	-13.97
			52	39	MCS11	10.64	23.57	-12.93	4.88	15.52	29.57	-14.05
			52	40	MCS11	10.75	23.57	-12.83	4.88	15.63	29.57	-13.95
	5520	104	52	37	MCS11	10.76	23.57	-12.81	4.88	15.64	29.57	-13.93
			52	39	MCS11	10.71	23.57	-12.86	4.88	15.59	29.57	-13.98
			52	40	MCS11	10.78	23.57	-12.79	4.88	15.66	29.57	-13.91
	5580	116	52	37	MCS11	10.65	23.57	-12.93	4.88	15.53	29.57	-14.05
			52	39	MCS11	10.63	23.57	-12.94	4.88	15.51	29.57	-14.06
			52	40	MCS11	10.66	23.57	-12.91	4.88	15.54	29.57	-14.03
	5660	132	52	37	MCS11	10.87	23.57	-12.70	4.88	15.75	29.57	-13.82
			52	39	MCS11	10.78	23.57	-12.79	4.88	15.66	29.57	-13.91
			52	40	MCS11	10.73	23.57	-12.84	4.88	15.61	29.57	-13.96
	5680	136	52	37	MCS11	10.85	23.57	-12.72	4.88	15.73	29.57	-13.84
			52	39	MCS11	10.78	23.57	-12.79	4.88	15.66	29.57	-13.91
			52	40	MCS11	10.78	23.57	-12.79	4.88	15.66	29.57	-13.91
	5700	140	52	37	MCS11	10.78	23.57	-12.79	4.88	15.66	29.57	-13.91
			52	39	MCS11	10.74	23.57	-12.83	4.88	15.62	29.57	-13.95
			52	40	MCS11	10.86	23.57	-12.71	4.88	15.74	29.57	-13.83
	5720	144	52	37	MCS11	10.75	23.57	-12.83	4.88	15.63	29.57	-13.95
			52	39	MCS11	10.67	23.57	-12.90	4.88	15.55	29.57	-14.02
			52	40	MCS11	10.79	23.57	-12.78	4.88	15.67	29.57	-13.90

Table 7-14. ISED Antenna 0 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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.		

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	106	53	MCS11	11.60	23.58	-11.98	4.24	15.84	22.55	-6.71
			106	54	MCS11	11.77	23.58	-11.81	4.24	16.01	22.55	-6.54
	5200	40	106	53	MCS11	11.71	23.58	-11.88	4.24	15.95	22.55	-6.60
			106	54	MCS11	11.85	23.58	-11.74	4.24	16.09	22.55	-6.46
	5240	48	106	53	MCS11	11.94	23.58	-11.64	4.24	16.18	22.55	-6.36
			106	54	MCS11	11.56	23.58	-12.02	4.24	15.80	22.55	-6.74
	5260	52	106	53	MCS11	11.52	23.58	-12.07	5.29	16.81	29.58	-12.78
			106	54	MCS11	11.57	23.58	-12.02	5.29	16.86	29.58	-12.73
	5300	60	106	53	MCS11	11.67	23.58	-11.92	5.29	16.96	29.58	-12.63
			106	54	MCS11	11.71	23.58	-11.88	5.29	17.00	29.58	-12.59
	5320	64	106	53	MCS11	11.70	23.58	-11.89	5.29	16.99	29.58	-12.60
			106	54	MCS11	11.72	23.58	-11.86	5.29	17.01	29.58	-12.57
	5500	100	106	53	MCS11	11.81	23.58	-11.77	4.88	16.69	29.58	-12.89
			106	54	MCS11	11.70	23.58	-11.88	4.88	16.58	29.58	-13.00
	5520	104	106	53	MCS11	11.82	23.58	-11.76	4.88	16.70	29.58	-12.88
			106	54	MCS11	11.73	23.58	-11.86	4.88	16.61	29.58	-12.98
	5580	116	106	53	MCS11	11.77	23.58	-11.82	4.88	16.65	29.58	-12.94
			106	54	MCS11	11.81	23.58	-11.78	4.88	16.69	29.58	-12.90
	5660	132	106	53	MCS11	11.91	23.58	-11.68	4.88	16.79	29.58	-12.80
			106	54	MCS11	11.84	23.58	-11.74	4.88	16.72	29.58	-12.86
	5680	136	106	53	MCS11	11.74	23.58	-11.85	4.88	16.62	29.58	-12.97
			106	54	MCS11	11.86	23.58	-11.73	4.88	16.74	29.58	-12.85
	5700	140	106	53	MCS11	11.56	23.58	-12.03	4.88	16.44	29.58	-13.15
			106	54	MCS11	11.66	23.58	-11.93	4.88	16.54	29.58	-13.05
	5720	144	106	53	MCS11	11.56	23.58	-12.03	4.88	16.44	29.58	-13.15
			106	54	MCS11	11.66	23.58	-11.93	4.88	16.54	29.58	-13.05
	5745	149	106	53	MCS11	11.91	30.00	-18.10	4.60	16.51	36.00	-19.50
			106	54	MCS11	11.93	30.00	-18.07	4.60	16.53	36.00	-19.47
	5785	157	106	53	MCS11	11.96	30.00	-18.04	4.60	16.56	36.00	-19.44
			106	54	MCS11	11.92	30.00	-18.08	4.60	16.52	36.00	-19.48
	5825	165	106	53	MCS11	11.90	30.00	-18.10	4.60	16.50	36.00	-19.50
			106	54	MCS11	11.94	30.00	-18.06	4.60	16.54	36.00	-19.46

Table 7-15. ISED Antenna 0 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU106)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	242	61	MCS11	15.02	23.58	-8.57	4.24	19.26	22.55	-3.29
			242	61	MCS11	15.14	23.58	-8.45	4.24	19.38	22.55	-3.17
	5240	48	242	61	MCS11	15.36	23.58	-8.22	4.24	19.60	22.55	-2.94
			242	61	MCS11	16.43	23.58	-7.16	5.29	21.72	22.55	-0.83
	5300	60	242	61	MCS11	14.46	23.58	-9.12	5.29	19.75	22.55	-2.80
			242	61	MCS11	15.44	23.58	-8.14	5.29	20.73	22.55	-1.82
	5500	100	242	61	MCS11	13.57	23.58	-10.02	4.88	18.45	22.55	-4.10
			242	61	MCS11	15.69	23.58	-7.90	4.88	20.57	22.55	-1.98
	5540	108	242	61	MCS11	16.15	23.58	-7.44	4.88	21.03	22.55	-1.52
			242	61	MCS11	16.10	23.58	-7.48	4.88	20.98	22.55	-1.57
	5720	144	242	61	MCS11	16.05	23.58	-7.54	4.88	20.93	22.55	-1.62
			242	61	MCS11	16.31	23.58	-7.28	4.60	20.91	22.55	-1.64
	5785	157	242	61	MCS11	16.33	23.58	-7.26	4.60	20.93	22.55	-1.62
			242	61	MCS11	16.45	23.58	-7.14	4.60	21.05	22.55	-1.50

Table 7-16. ISED Antenna 0 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	484	65	MCS11	12.44	23.58	-11.15	4.24	16.68	22.55	-5.87
			484	65	MCS11	16.13	23.58	-7.46	4.24	20.37	22.55	-2.18
	5270	54	484	65	MCS11	16.28	23.58	-7.31	5.29	21.57	29.58	-8.02
			484	65	MCS11	12.25	23.58	-11.34	5.29	17.54	29.58	-12.05
	5510	102	484	65	MCS11	11.79	23.58	-11.79	4.88	16.67	29.58	-12.91
			484	65	MCS11	15.28	23.58	-8.31	4.88	20.16	29.58	-9.43
	5670	134	484	65	MCS11	13.38	23.58	-10.21	4.88	18.26	29.58	-11.33
			484	65	MCS11	17.75	23.58	-5.83	4.88	22.63	29.58	-6.95
	5755	151	484	65	MCS11	16.58	30.00	-13.42	4.60	21.18	36.00	-14.82
			484	65	MCS11	17.86	30.00	-12.14	4.60	22.46	36.00	-13.54

Table 7-14. ISED Antenna 0 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	996	67	MCS11	12.32	23.58	-11.26	4.24	16.56	22.55	-5.98
			996	67	MCS11	10.83	23.58	-12.76	5.29	16.12	29.58	-13.47
	5530	106	996	67	MCS11	9.51	23.58	-14.07	4.88	14.39	29.58	-15.19
			996	67	MCS11	14.94	23.58	-8.65	4.88	19.82	29.58	-9.77
	5690	138	996	67	MCS11	17.74	23.58	-5.85	4.88	22.62	29.58	-6.97
			996	67	MCS11	14.93	30.00	-15.08	4.60	19.53	36.00	-16.48

Table 7-15. ISED Antenna 0 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.4.3 FCC Antenna 1 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	26	0	MCS11	9.96	23.98	-14.02
			26	4	MCS11	9.83	23.98	-14.15
			26	8	MCS11	9.88	23.98	-14.10
	5200	40	26	0	MCS11	9.93	23.98	-14.05
			26	4	MCS11	9.85	23.98	-14.13
			26	8	MCS11	9.90	23.98	-14.08
	5240	48	26	0	MCS11	9.96	23.98	-14.02
			26	4	MCS11	9.98	23.98	-14.00
			26	8	MCS11	9.68	23.98	-14.30
	5745	149	26	0	MCS11	9.60	30.00	-20.40
			26	4	MCS11	9.54	30.00	-20.46
			26	8	MCS11	9.69	30.00	-20.31
	5785	157	26	0	MCS11	9.76	30.00	-20.25
			26	4	MCS11	9.73	30.00	-20.27
			26	8	MCS11	9.86	30.00	-20.14
	5825	165	26	0	MCS11	9.73	30.00	-20.27
			26	4	MCS11	9.72	30.00	-20.28
			26	8	MCS11	9.87	30.00	-20.13

Table 7-16. FCC Antenna 1 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5260	52	52	37	MCS11	10.90	23.59	-12.69
			52	39	MCS11	10.53	23.59	-13.06
			52	40	MCS11	10.61	23.59	-12.98
	5300	60	52	37	MCS11	10.78	23.59	-12.82
			52	39	MCS11	10.95	23.59	-12.65
			52	40	MCS11	10.89	23.59	-12.70
	5320	64	52	37	MCS11	10.79	23.59	-12.80
			52	39	MCS11	10.99	23.59	-12.60
			52	40	MCS11	10.52	23.59	-13.07
	5500	100	52	37	MCS11	10.98	23.57	-12.59
			52	39	MCS11	10.96	23.57	-12.61
			52	40	MCS11	11.00	23.57	-12.58
	5520	104	52	37	MCS11	10.98	23.57	-12.59
			52	39	MCS11	10.95	23.57	-12.62
			52	40	MCS11	10.75	23.57	-12.82
	5580	116	52	37	MCS11	10.80	23.57	-12.77
			52	39	MCS11	10.78	23.57	-12.79
			52	40	MCS11	10.76	23.57	-12.81
	5660	132	52	37	MCS11	10.52	23.57	-13.06
			52	39	MCS11	10.54	23.57	-13.03
			52	40	MCS11	10.62	23.57	-12.95
	5680	136	52	37	MCS11	10.73	23.57	-12.84
			52	39	MCS11	10.79	23.57	-12.78
			52	40	MCS11	10.84	23.57	-12.74
	5700	140	52	37	MCS11	10.67	23.57	-12.90
			52	39	MCS11	10.73	23.57	-12.84
			52	40	MCS11	10.79	23.57	-12.78
	5720	144	52	37	MCS11	10.83	23.57	-12.74
			52	39	MCS11	10.90	23.57	-12.67
			52	40	MCS11	10.95	23.57	-12.62

Table 7-17. FCC Antenna 1 20MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	106	53	MCS11	11.91	23.98	-12.07
			106	54	MCS11	11.89	23.98	-12.09
	5200	40	106	53	MCS11	11.90	23.98	-12.08
			106	54	MCS11	12.00	23.98	-11.98
	5240	48	106	53	MCS11	12.00	23.98	-11.98
			106	54	MCS11	11.61	23.98	-12.37
	5260	52	106	53	MCS11	11.55	23.58	-12.03
			106	54	MCS11	11.66	23.58	-11.92
	5300	60	106	53	MCS11	11.81	23.58	-11.77
			106	54	MCS11	11.54	23.58	-12.04
	5320	64	106	53	MCS11	11.83	23.58	-11.75
			106	54	MCS11	11.56	23.58	-12.02
	5500	100	106	53	MCS11	11.92	23.58	-11.66
			106	54	MCS11	11.86	23.58	-11.72
	5580	116	106	53	MCS11	11.67	23.58	-11.91
			106	54	MCS11	11.68	23.58	-11.90
	5720	144	106	53	MCS11	11.90	23.58	-11.68
			106	54	MCS11	11.93	23.58	-11.65
	5745	149	106	53	MCS11	11.54	30.00	-18.46
			106	54	MCS11	11.65	30.00	-18.35
	5785	157	106	53	MCS11	11.71	30.00	-18.29
			106	54	MCS11	11.77	30.00	-18.23
	5825	165	106	53	MCS11	11.72	30.00	-18.28
			106	54	MCS11	11.79	30.00	-18.21

Table 7-18. FCC Antenna 1 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	242	61	MCS11	15.42	23.98	-8.56
	5200	40	242	61	MCS11	16.37	23.98	-7.61
	5240	48	242	61	MCS11	16.20	23.98	-7.78
	5260	52	242	61	MCS11	16.39	23.58	-7.19
	5300	60	242	61	MCS11	14.25	23.58	-9.33
	5320	64	242	61	MCS11	15.40	23.58	-8.18
	5500	100	242	61	MCS11	13.99	23.58	-9.59
	5520	104	242	61	MCS11	15.85	23.58	-7.73
	5540	108	242	61	MCS11	16.01	23.58	-7.57
	5580	116	242	61	MCS11	16.44	23.58	-7.14
	5660	132	242	61	MCS11	16.50	23.58	-7.08
	5680	136	242	61	MCS11	15.49	23.58	-8.09
	5700	140	242	61	MCS11	12.22	23.58	-11.36
	5720	144	242	61	MCS11	16.31	23.58	-7.27
	5745	149	242	61	MCS11	13.39	30.00	-16.61
	5785	157	242	61	MCS11	16.40	30.00	-13.60
	5825	165	242	61	MCS11	16.11	30.00	-13.89

Table 7-12. FCC Antenna 1 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	484	65	MCS11	12.48	23.98	-11.50
	5230	46	484	65	MCS11	16.47	23.98	-7.51
	5270	54	484	65	MCS11	16.28	23.58	-7.30
	5310	62	484	65	MCS11	12.44	23.58	-11.14
	5510	102	484	65	MCS11	12.00	23.58	-11.58
	5550	110	484	65	MCS11	15.33	23.58	-8.25
	5590	118	484	65	MCS11	17.84	23.58	-5.74
	5630	126	484	65	MCS11	16.30	23.58	-7.28
	5670	134	484	65	MCS11	13.22	23.58	-10.36
	5710	142	484	65	MCS11	17.56	23.58	-6.02
	5755	151	484	65	MCS11	16.69	30.00	-13.31
	5795	159	484	65	MCS11	17.50	30.00	-12.50

Table 7-19. FCC Antenna 1 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	996	67	MCS11	10.77	23.98	-13.21
	5290	58	996	67	MCS11	10.95	23.58	-12.63
	5530	106	996	67	MCS11	9.72	23.58	-13.86
	5610	122	996	67	MCS11	14.80	23.58	-8.78
	5690	138	996	67	MCS11	17.93	23.58	-5.65
	5775	155	996	67	MCS11	14.80	30.00	-15.20

Table 7-20. FCC Antenna 1 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.4.4 ISED Antenna 1 Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	26	0	MCS11	6.30	-	-	3.98	10.28	22.55	-12.27
			26	4	MCS11	6.07	-	-	3.98	10.05	22.55	-12.50
			26	8	MCS11	6.17	-	-	3.98	10.15	22.55	-12.40
	5200	40	26	0	MCS11	6.25	-	-	3.98	10.23	22.55	-12.32
			26	4	MCS11	6.09	-	-	3.98	10.07	22.55	-12.48
			26	8	MCS11	6.23	-	-	3.98	10.21	22.55	-12.34
	5240	48	26	0	MCS11	6.16	-	-	3.98	10.14	22.55	-12.41
			26	4	MCS11	6.17	-	-	3.98	10.15	22.55	-12.40
			26	8	MCS11	6.44	-	-	3.98	10.42	22.55	-12.13
	5745	149	26	0	MCS11	9.60	30.00	-20.40	4.59	14.19	-	-
			26	4	MCS11	9.54	30.00	-20.46	4.59	14.13	-	-
			26	8	MCS11	9.69	30.00	-20.31	4.59	14.28	-	-
	5785	157	26	0	MCS11	9.76	30.00	-20.25	4.59	14.35	-	-
			26	4	MCS11	9.73	30.00	-20.27	4.59	14.32	-	-
			26	8	MCS11	9.86	30.00	-20.14	4.59	14.45	-	-
	5825	165	26	0	MCS11	9.73	30.00	-20.27	4.59	14.32	-	-
			26	4	MCS11	9.72	30.00	-20.28	4.59	14.31	-	-
			26	8	MCS11	9.87	30.00	-20.13	4.59	14.46	-	-

Table 7-21. ISED Antenna 1 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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]
	5260	52	52	37	MCS11	10.90	23.58	-12.69	3.66	14.56	29.58	-15.03
			52	39	MCS11	10.53	23.58	-13.06	3.66	14.19	29.58	-15.40
			52	40	MCS11	10.61	23.58	-12.98	3.66	14.27	29.58	-15.32
	5300	60	52	37	MCS11	10.78	23.58	-12.81	3.66	14.44	29.58	-15.15
			52	39	MCS11	10.95	23.58	-12.64	3.66	14.61	29.58	-14.98
			52	40	MCS11	10.89	23.58	-12.70	3.66	14.55	29.58	-15.04
	5320	64	52	37	MCS11	10.79	23.58	-12.80	3.66	14.45	29.58	-15.14
			52	39	MCS11	10.99	23.58	-12.59	3.66	14.65	29.58	-14.93
			52	40	MCS11	10.52	23.58	-13.06	3.66	14.18	29.58	-15.40
	5500	100	52	37	MCS11	10.98	23.58	-12.60	4.05	15.03	29.58	-14.55
			52	39	MCS11	10.96	23.58	-12.63	4.05	15.01	29.58	-14.58
			52	40	MCS11	11.00	23.58	-12.59	4.05	15.05	29.58	-14.54
	5520	104	52	37	MCS11	10.98	23.58	-12.60	4.05	15.03	29.58	-14.55
			52	39	MCS11	10.95	23.58	-12.63	4.05	15.00	29.58	-14.58
			52	40	MCS11	10.75	23.58	-12.83	4.05	14.80	29.58	-14.78
	5580	116	52	37	MCS11	10.80	23.58	-12.78	4.05	14.85	29.58	-14.73
			52	39	MCS11	10.78	23.58	-12.80	4.05	14.83	29.58	-14.75
			52	40	MCS11	10.76	23.58	-12.82	4.05	14.81	29.58	-14.77
	5700	140	52	37	MCS11	10.67	23.58	-12.91	4.05	14.72	29.58	-14.86
			52	39	MCS11	10.73	23.58	-12.86	4.05	14.78	29.58	-14.81
			52	40	MCS11	10.79	23.58	-12.79	4.05	14.84	29.58	-14.74
	5720	144	52	37	MCS11	10.83	23.58	-12.75	4.05	14.88	29.58	-14.70
			52	39	MCS11	10.90	23.58	-12.68	4.05	14.95	29.58	-14.63
			52	40	MCS11	10.95	23.58	-12.64	4.05	15.00	29.58	-14.59

Table 7-22. ISED Antenna 1 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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.		

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	106	53	MCS11	11.91	23.98	-12.07
			106	54	MCS11	11.89	23.98	-12.09
	5200	40	106	53	MCS11	11.90	23.98	-12.08
			106	54	MCS11	12.00	23.98	-11.98
	5240	48	106	53	MCS11	12.00	23.98	-11.98
			106	54	MCS11	11.61	23.98	-12.37
	5260	52	106	53	MCS11	11.55	23.58	-12.03
			106	54	MCS11	11.66	23.58	-11.92
	5300	60	106	53	MCS11	11.81	23.58	-11.77
			106	54	MCS11	11.54	23.58	-12.04
	5320	64	106	53	MCS11	11.83	23.58	-11.75
			106	54	MCS11	11.56	23.58	-12.02
	5500	100	106	53	MCS11	11.92	23.58	-11.66
			106	54	MCS11	11.86	23.58	-11.72
	5580	116	106	53	MCS11	11.67	23.58	-11.91
			106	54	MCS11	11.68	23.58	-11.90
	5720	144	106	53	MCS11	11.90	23.58	-11.68
			106	54	MCS11	11.93	23.58	-11.65
	5745	149	106	53	MCS11	11.54	30.00	-18.46
			106	54	MCS11	11.65	30.00	-18.35
	5785	157	106	53	MCS11	11.71	30.00	-18.29
			106	54	MCS11	11.77	30.00	-18.23
	5825	165	106	53	MCS11	11.72	30.00	-18.28
			106	54	MCS11	11.79	30.00	-18.21

Table 7-23. ISED Antenna 1 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU106)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	242	61	MCS11	15.42	23.98	-8.56	3.98	19.40	22.55	-3.15
	5200	40	242	61	MCS11	15.36	23.98	-8.62	3.98	19.34	22.55	-3.21
	5240	48	242	61	MCS11	15.35	23.98	-8.63	3.98	19.33	22.55	-3.22
	5260	52	242	61	MCS11	16.39	23.58	-7.19	3.66	20.05	29.58	-9.53
	5300	60	242	61	MCS11	14.25	23.58	-9.33	3.66	17.91	29.58	-11.67
	5320	64	242	61	MCS11	15.40	23.58	-8.18	3.66	19.06	29.58	-10.52
	5500	100	242	61	MCS11	13.99	23.58	-9.59	4.05	18.04	29.58	-11.54
	5520	104	242	61	MCS11	15.85	23.58	-7.73	4.05	19.90	29.58	-9.68
	5540	108	242	61	MCS11	16.01	23.58	-7.57	4.05	20.06	29.58	-9.52
	5580	116	242	61	MCS11	16.44	23.58	-7.14	4.05	20.49	29.58	-9.09
	5660	132	242	61	MCS11	16.50	23.58	-7.08	4.05	20.55	29.58	-9.03
	5680	136	242	61	MCS11	15.49	23.58	-8.09	4.05	19.54	29.58	-10.04
	5700	140	242	61	MCS11	12.22	23.58	-11.36	4.05	16.27	29.58	-13.31
	5720	144	242	61	MCS11	16.31	23.58	-7.27	4.05	20.36	29.58	-9.22
	5745	149	242	61	MCS11	16.39	30.00	-13.61	4.59	20.98	36.00	-15.02
	5785	157	242	61	MCS11	16.40	30.00	-13.60	4.59	20.99	36.00	-15.01
	5825	165	242	61	MCS11	16.11	30.00	-13.89	4.59	20.70	36.00	-15.30

Table 7-12. ISED Antenna 1 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	484	65	MCS11	12.48	23.98	-11.50	3.98	16.46	22.55	-6.09
	5230	46	484	65	MCS11	16.47	23.98	-7.51	3.98	20.45	22.55	-2.10
	5270	54	484	65	MCS11	16.28	23.58	-7.30	3.66	19.94	29.58	-9.64
	5310	62	484	65	MCS11	12.44	23.58	-11.14	3.66	16.10	29.58	-13.48
	5310	102	484	65	MCS11	12.00	23.58	-11.58	4.05	16.05	29.58	-13.53
	5550	110	484	65	MCS11	15.33	23.58	-8.25	4.05	19.38	29.58	-10.20
	5590	118	484	65	MCS11	17.84	23.58	-5.74	4.05	21.89	29.58	-7.69
	5630	126	484	65	MCS11	16.30	23.58	-7.28	4.05	20.35	29.58	-9.23
	5670	134	484	65	MCS11	13.22	23.58	-10.36	4.05	17.27	29.58	-12.31
	5710	142	484	65	MCS11	17.56	23.58	-6.02	4.05	21.61	29.58	-7.97
	5755	151	484	65	MCS11	16.69	30.00	-13.31	4.59	21.28	36.00	-14.72
	5795	159	484	65	MCS11	17.50	30.00	-12.50	4.59	22.09	36.00	-13.91

Table 7-24. ISED Antenna 1 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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.		

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	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	996	67	MCS11	10.77	23.98	-13.21	3.98	14.75	22.55	-7.80
	5290	58	996	67	MCS11	10.95	23.58	-12.63	3.66	14.61	29.58	-14.97
	5530	106	996	67	MCS11	9.72	23.58	-13.86	4.05	13.77	29.58	-15.81
	5610	122	996	67	MCS11	14.80	23.58	-8.78	4.05	18.85	29.58	-10.73
	5690	138	996	67	MCS11	17.93	23.58	-5.65	4.05	21.98	29.58	-7.60
	5775	155	996	67	MCS11	14.80	30.00	-15.20	4.59	19.39	36.00	-16.61

Table 7-25. ISED Antenna 1 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.4.5 FCC CDD/SDM Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
						Antenna 0	Antenna 1	Summed		
	5180	36	26	0	MCS11	8.68	8.78	11.74	23.98	-12.24
			26	4	MCS11	8.60	8.71	11.67	23.98	-12.31
			26	8	MCS11	8.73	8.84	11.80	23.98	-12.18
	5200	40	26	0	MCS11	8.70	8.91	11.82	23.98	-12.16
			26	4	MCS11	8.64	8.67	11.67	23.98	-12.31
			26	8	MCS11	8.77	8.78	11.79	23.98	-12.19
	5240	48	26	0	MCS11	8.55	8.67	11.62	23.98	-12.36
			26	4	MCS11	8.97	8.78	11.89	23.98	-12.09
			26	8	MCS11	8.56	8.55	11.57	23.98	-12.41
	5745	149	26	0	MCS11	8.53	8.66	11.61	30.00	-18.39
			26	4	MCS11	8.91	8.61	11.77	30.00	-18.23
			26	8	MCS11	8.54	8.83	11.70	30.00	-18.30
	5785	157	26	0	MCS11	8.99	8.86	11.94	30.00	-18.06
			26	4	MCS11	8.90	8.83	11.88	30.00	-18.12
			26	8	MCS11	8.98	8.98	11.99	30.00	-18.01
	5825	165	26	0	MCS11	8.95	8.74	11.86	30.00	-18.14
			26	4	MCS11	8.91	8.70	11.82	30.00	-18.18
			26	8	MCS11	8.54	8.93	11.75	30.00	-18.25

Table 7-26. FCC CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
						Antenna 0	Antenna 1	Summed		
	5260	52	52	37	MCS11	9.55	9.83	12.70	23.58	-10.88
			52	39	MCS11	9.55	9.93	12.75	23.58	-10.83
			52	40	MCS11	9.65	9.60	12.64	23.58	-10.94
	5300	60	52	37	MCS11	9.60	9.65	12.64	23.58	-10.94
			52	39	MCS11	9.58	9.91	12.76	23.58	-10.82
			52	40	MCS11	9.64	9.50	12.58	23.58	-11.00
	5320	64	52	37	MCS11	9.80	9.84	12.83	23.58	-10.75
			52	39	MCS11	9.59	9.28	12.45	23.58	-11.13
			52	40	MCS11	9.67	9.62	12.66	23.58	-10.92
	5500	100	52	37	MCS11	9.71	9.89	12.81	23.58	-10.77
			52	39	MCS11	9.63	9.98	12.82	23.58	-10.76
			52	40	MCS11	9.71	9.98	12.86	23.58	-10.72
	5520	104	52	37	MCS11	9.72	9.55	12.65	23.58	-10.93
			52	39	MCS11	9.71	9.81	12.77	23.58	-10.81
			52	40	MCS11	9.79	9.82	12.82	23.58	-10.76
	5580	116	52	37	MCS11	9.72	9.71	12.73	23.58	-10.85
			52	39	MCS11	9.71	9.79	12.76	23.58	-10.82
			52	40	MCS11	9.79	9.78	12.80	23.58	-10.78
	5660	132	52	37	MCS11	9.72	9.96	12.85	23.58	-10.73
			52	39	MCS11	9.64	9.93	12.80	23.58	-10.78
			52	40	MCS11	9.64	9.51	12.59	23.58	-10.99
	5680	136	52	37	MCS11	9.54	9.69	12.63	23.58	-10.95
			52	39	MCS11	9.88	9.74	12.82	23.58	-10.76
			52	40	MCS11	9.74	9.85	12.81	23.58	-10.77
	5700	140	52	37	MCS11	9.88	9.65	12.78	23.58	-10.80
			52	39	MCS11	9.83	9.98	12.92	23.58	-10.66
			52	40	MCS11	9.64	9.95	12.81	23.58	-10.77
	5720	144	52	37	MCS11	9.74	9.52	12.64	23.58	-10.94
			52	39	MCS11	9.60	9.93	12.78	23.58	-10.80
			52	40	MCS11	9.70	9.64	12.68	23.58	-10.90

Table 7-27. FCC CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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.		

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
						Antenna 0	Antenna 1	Summed		
5180	36		106	53	MCS11	10.97	10.83	13.91	23.98	-10.07
			106	54	MCS11	10.74	10.83	13.80	23.98	-10.18
5200	40		106	53	MCS11	10.53	10.86	13.71	23.98	-10.27
			106	54	MCS11	10.60	10.83	13.73	23.98	-10.25
5240	48		106	53	MCS11	10.81	10.90	13.87	23.98	-10.11
			106	54	MCS11	10.52	10.47	13.51	23.98	-10.47
5260	52		106	53	MCS11	10.60	10.97	13.80	23.58	-9.78
			106	54	MCS11	10.89	10.62	13.77	23.58	-9.81
5300	60		106	53	MCS11	10.81	10.76	13.80	23.58	-9.78
			106	54	MCS11	10.95	10.93	13.95	23.58	-9.63
5320	64		106	53	MCS11	10.91	10.90	13.92	23.58	-9.66
			106	54	MCS11	10.97	10.57	13.78	23.58	-9.80
5500	100		106	53	MCS11	10.65	10.89	13.78	23.58	-9.80
			106	54	MCS11	10.61	10.91	13.77	23.58	-9.81
5520	104		106	53	MCS11	10.71	10.91	13.82	23.58	-9.76
			106	54	MCS11	10.72	10.69	13.72	23.58	-9.86
5580	116		106	53	MCS11	10.81	10.87	13.85	23.58	-9.73
			106	54	MCS11	10.67	10.68	13.69	23.58	-9.89
5660	132		106	53	MCS11	10.92	10.84	13.89	23.58	-9.69
			106	54	MCS11	10.72	10.84	13.79	23.58	-9.79
5680	136		106	53	MCS11	10.80	10.46	13.64	23.58	-9.94
			106	54	MCS11	10.54	10.83	13.70	23.58	-9.88
5700	140		106	53	MCS11	10.62	10.62	13.63	23.58	-9.95
			106	54	MCS11	10.80	10.55	13.69	23.58	-9.89
5720	144		106	53	MCS11	10.94	10.92	13.94	23.58	-9.64
			106	54	MCS11	10.58	10.99	13.80	23.58	-9.78
5745	149		106	53	MCS11	10.80	10.64	13.73	30.00	-16.27
			106	54	MCS11	10.89	10.67	13.79	30.00	-16.21
5785	157		106	53	MCS11	10.86	10.79	13.84	30.00	-16.16
			106	54	MCS11	10.81	10.98	13.91	30.00	-16.09
5825	165		106	53	MCS11	10.88	10.66	13.78	30.00	-16.22
			106	54	MCS11	10.86	10.85	13.87	30.00	-16.13

Table 7-28. FCC CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
						Antenna 0	Antenna 1	Summed		
5180	36		242	61	MCS11	14.96	14.65	17.82	23.98	-6.16
5200	40		242	61	MCS11	15.98	15.67	18.84	23.98	-5.14
5240	48		242	61	MCS11	15.73	15.81	18.78	23.98	-5.20
5260	52		242	61	MCS11	15.87	15.52	18.71	23.58	-4.87
5300	60		242	61	MCS11	13.90	13.66	16.79	23.58	-6.79
5320	64		242	61	MCS11	14.43	14.42	17.44	23.58	-6.14
5500	100		242	61	MCS11	12.64	12.83	15.75	23.58	-7.83
5520	104		242	61	MCS11	14.61	14.63	17.63	23.58	-5.95
5540	108		242	61	MCS11	15.61	15.16	18.40	23.58	-5.18
5580	116		242	61	MCS11	15.65	15.52	18.60	23.58	-4.98
5660	132		242	61	MCS11	15.74	15.83	18.80	23.58	-4.78
5680	136		242	61	MCS11	15.62	15.62	18.63	23.58	-4.95
5700	140		242	61	MCS11	15.55	15.74	18.66	23.58	-4.92
5720	144		242	61	MCS11	15.51	15.97	18.76	23.58	-4.82
5745	149		242	61	MCS11	15.83	15.52	18.69	30.00	-11.31
5785	157		242	61	MCS11	15.75	15.75	18.76	30.00	-11.24
5825	165		242	61	MCS11	15.81	15.92	18.88	30.00	-11.12

Table 7-29. FCC CDD 20MHz BW (UNII) Maximum Conducted Output Power (Fully-Loaded RU's)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
						Antenna 0	Antenna 1	Summed		
	5190	38	484	65	MCS11	11.66	11.71	14.70	23.98	-9.28
	5230	46	484	65	MCS11	15.98	15.60	18.80	23.98	-5.18
	5270	54	484	65	MCS11	16.02	16.07	19.06	23.58	-4.52
	5310	62	484	65	MCS11	11.60	11.70	14.66	23.58	-8.92
	5510	102	484	65	MCS11	11.31	11.36	14.35	23.58	-9.23
	5550	110	484	65	MCS11	14.64	14.99	17.83	23.58	-5.75
	5590	118	484	65	MCS11	17.97	17.87	20.93	23.58	-2.65
	5630	126	484	65	MCS11	15.41	15.08	18.26	23.58	-5.32
	5670	134	484	65	MCS11	12.74	12.66	15.71	23.58	-7.87
	5710	142	484	65	MCS11	17.89	17.65	20.78	23.58	-2.80
	5755	151	484	65	MCS11	16.42	16.05	19.25	30.00	-10.75
	5795	159	484	65	MCS11	17.62	17.75	20.70	30.00	-9.30

Table 7-30. FCC CDD 40MHz BW (UNII) Maximum Conducted Output Power (Fully-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
						Antenna 0	Antenna 1	Summed		
	5210	42	996	67	MCS11	9.94	9.61	12.79	23.98	-11.19
	5290	58	996	67	MCS11	9.75	9.74	12.76	23.58	-10.82
	5530	106	996	67	MCS11	9.45	9.30	12.39	23.58	-11.19
	5610	122	996	67	MCS11	14.40	14.15	17.29	23.58	-6.29
	5690	138	996	67	MCS11	17.97	17.58	20.79	23.58	-2.79
	5775	155	996	67	MCS11	14.24	14.25	17.26	30.00	-12.74

Table 7-31. FCC CDD 80MHz BW (UNII) Maximum Conducted Output Power (Fully-Loaded RU's)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.4.6 ISED CDD/SDM Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [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]
						Antenna 0	Antenna 1	Summed						
	5180	36	26	0	MCS11	3.22	3.26	6.25	-	-	4.11	10.36	22.55	-12.19
			26	4	MCS11	3.21	3.21	6.22	-	-	4.11	10.33	22.55	-12.22
			26	8	MCS11	3.45	3.20	6.34	-	-	4.11	10.45	22.55	-12.10
	5200	40	26	0	MCS11	3.30	3.22	6.27	-	-	4.11	10.38	22.55	-12.17
			26	4	MCS11	3.27	3.21	6.25	-	-	4.11	10.36	22.55	-12.19
			26	8	MCS11	3.50	3.25	6.39	-	-	4.11	10.50	22.55	-12.05
	5240	48	26	0	MCS11	3.11	3.22	6.18	-	-	4.11	10.29	22.55	-12.26
			26	4	MCS11	3.08	3.19	6.15	-	-	4.11	10.26	22.55	-12.29
			26	8	MCS11	3.30	3.41	6.37	-	-	4.11	10.48	22.55	-12.07
	5745	149	26	0	MCS11	8.53	8.66	11.61	30.00	-18.39	4.11	15.72	-	-
			26	4	MCS11	8.91	8.61	11.77	30.00	-18.23	4.11	15.88	-	-
			26	8	MCS11	8.54	8.83	11.70	30.00	-18.30	4.11	15.81	-	-
	5785	157	26	0	MCS11	8.99	8.86	11.94	30.00	-18.06	4.11	16.05	-	-
			26	4	MCS11	8.90	8.83	11.88	30.00	-18.12	4.11	15.99	-	-
			26	8	MCS11	8.98	8.98	11.99	30.00	-18.01	4.11	16.10	-	-
	5825	165	26	0	MCS11	8.95	8.74	11.86	30.00	-18.14	4.11	15.97	-	-
			26	4	MCS11	8.91	8.70	11.82	30.00	-18.18	4.11	15.93	-	-
			26	8	MCS11	8.54	8.93	11.75	30.00	-18.25	4.11	15.86	-	-

Table 7-32. ISED CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [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]
						Antenna 0	Antenna 1	Summed						
	5260	52	52	37	MCS11	9.55	9.83	12.70	23.58	-10.88	4.11	16.81	29.58	-12.77
			52	39	MCS11	9.55	9.93	12.75	23.58	-10.83	4.11	16.86	29.58	-12.72
			52	40	MCS11	9.65	9.60	12.64	23.58	-10.94	4.11	16.75	29.58	-12.83
	5300	60	52	37	MCS11	9.60	9.65	12.64	23.58	-10.94	4.11	16.75	29.58	-12.83
			52	39	MCS11	9.58	9.91	12.76	23.58	-10.82	4.11	16.87	29.58	-12.71
			52	40	MCS11	9.64	9.50	12.58	23.58	-11.00	4.11	16.69	29.58	-12.89
	5320	64	52	37	MCS11	9.80	9.84	12.83	23.58	-10.75	4.11	16.94	29.58	-12.64
			52	39	MCS11	9.59	9.28	12.45	23.58	-11.13	4.11	16.56	29.58	-13.02
			52	40	MCS11	9.67	9.62	12.66	23.58	-10.92	4.11	16.77	29.58	-12.81
	5500	100	52	37	MCS11	9.71	9.89	12.81	23.58	-10.77	4.11	16.92	29.58	-12.66
			52	39	MCS11	9.63	9.98	12.82	23.58	-10.76	4.11	16.93	29.58	-12.65
			52	40	MCS11	9.71	9.98	12.86	23.58	-10.72	4.11	16.97	29.58	-12.61
	5520	104	52	37	MCS11	9.72	9.55	12.65	23.58	-10.93	4.11	16.76	29.58	-12.82
			52	39	MCS11	9.71	9.81	12.77	23.58	-10.81	4.11	16.88	29.58	-12.70
			52	40	MCS11	9.79	9.82	12.82	23.58	-10.76	4.11	16.93	29.58	-12.65
	5580	116	52	37	MCS11	9.72	9.71	12.73	23.58	-10.85	4.11	16.84	29.58	-12.74
			52	39	MCS11	9.71	9.79	12.76	23.58	-10.82	4.11	16.87	29.58	-12.71
			52	40	MCS11	9.79	9.78	12.80	23.58	-10.78	4.11	16.91	29.58	-12.67
	5660	132	52	37	MCS11	9.72	9.96	12.85	23.58	-10.73	4.11	16.96	29.58	-12.62
			52	39	MCS11	9.64	9.93	12.80	23.58	-10.78	4.11	16.91	29.58	-12.67
			52	40	MCS11	9.64	9.51	12.59	23.58	-10.99	4.11	16.70	29.58	-12.88
	5680	136	52	37	MCS11	9.54	9.69	12.63	23.58	-10.95	4.11	16.74	29.58	-12.84
			52	39	MCS11	9.88	9.74	12.82	23.58	-10.76	4.11	16.93	29.58	-12.65
			52	40	MCS11	9.74	9.85	12.81	23.58	-10.77	4.11	16.92	29.58	-12.66
	5700	140	52	37	MCS11	9.88	9.65	12.78	23.58	-10.80	4.11	16.89	29.58	-12.69
			52	39	MCS11	9.83	9.98	12.92	23.58	-10.66	4.11	17.03	29.58	-12.55
			52	40	MCS11	9.64	9.95	12.81	23.58	-10.77	4.11	16.92	29.58	-12.66
	5720	144	52	37	MCS11	9.74	9.52	12.64	23.58	-10.94	4.11	16.75	29.58	-12.83
			52	39	MCS11	9.60	9.93	12.78	23.58	-10.80	4.11	16.89	29.58	-12.69
			52	40	MCS11	9.70	9.64	12.68	23.58	-10.90	4.11	16.79	29.58	-12.79

Table 7-33. ISED CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [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]
						Antenna 0	Antenna 1	Summed						
	5180	36	106	53	MCS11	10.97	10.83	13.91	-	-	4.11	18.02	22.55	-4.53
			106	54	MCS11	10.74	10.83	13.80	-	-	4.11	17.91	22.55	-4.64
	5200	40	106	53	MCS11	10.53	10.86	13.71	-	-	4.11	17.82	22.55	-4.73
			106	54	MCS11	10.60	10.83	13.73	-	-	4.11	17.84	22.55	-4.71
	5240	48	106	53	MCS11	10.81	10.90	13.87	-	-	4.11	17.98	22.55	-4.57
			106	54	MCS11	10.52	10.47	13.51	-	-	4.11	17.62	22.55	-4.93
	5260	52	106	53	MCS11	10.60	10.97	13.80	23.58	-9.78	4.11	17.91	29.58	-11.67
			106	54	MCS11	10.89	10.62	13.77	23.58	-9.81	4.11	17.88	29.58	-11.70
	5300	60	106	53	MCS11	10.81	10.76	13.80	23.58	-9.78	4.11	17.91	29.58	-11.67
			106	54	MCS11	10.95	10.93	13.95	23.58	-9.63	4.11	18.06	29.58	-11.52
	5320	64	106	53	MCS11	10.91	10.90	13.92	23.58	-9.66	4.11	18.03	29.58	-11.55
			106	54	MCS11	10.97	10.57	13.78	23.58	-9.80	4.11	17.89	29.58	-11.69
	5500	100	106	53	MCS11	10.65	10.89	13.78	23.58	-9.80	4.11	17.89	29.58	-11.69
			106	54	MCS11	10.61	10.91	13.77	23.58	-9.81	4.11	17.88	29.58	-11.70
	5520	104	106	53	MCS11	10.71	10.91	13.82	23.58	-9.76	4.11	17.93	29.58	-11.65
			106	54	MCS11	10.72	10.69	13.72	23.58	-9.86	4.11	17.83	29.58	-11.75
	5580	116	106	53	MCS11	10.81	10.87	13.85	23.58	-9.73	4.11	17.96	29.58	-11.62
			106	54	MCS11	10.67	10.68	13.69	23.58	-9.89	4.11	17.80	29.58	-11.78
	5660	132	106	53	MCS11	10.92	10.84	13.89	23.58	-9.69	4.11	18.00	29.58	-11.58
			106	54	MCS11	10.72	10.84	13.79	23.58	-9.79	4.11	17.90	29.58	-11.68
	5680	136	106	53	MCS11	10.80	10.46	13.64	23.58	-9.94	4.11	17.75	29.58	-11.83
			106	54	MCS11	10.54	10.83	13.70	23.58	-9.88	4.11	17.81	29.58	-11.77
	5700	140	106	53	MCS11	10.62	10.62	13.63	23.58	-9.95	4.11	17.74	29.58	-11.84
			106	54	MCS11	10.80	10.55	13.69	23.58	-9.89	4.11	17.80	29.58	-11.78
	5720	144	106	53	MCS11	10.94	10.92	13.94	23.58	-9.64	4.11	18.05	29.58	-11.53
			106	54	MCS11	10.58	10.99	13.80	23.58	-9.78	4.11	17.91	29.58	-11.67
	5745	149	106	53	MCS11	10.80	10.64	13.73	30.00	-16.27	4.11	17.84	36.00	-18.16
			106	54	MCS11	10.89	10.67	13.79	30.00	-16.21	4.11	17.90	36.00	-18.10
	5785	157	106	53	MCS11	10.86	10.79	13.84	30.00	-16.16	4.11	17.95	36.00	-18.05
			106	54	MCS11	10.81	10.98	13.91	30.00	-16.09	4.11	18.02	36.00	-17.98
	5825	165	106	53	MCS11	10.88	10.66	13.78	30.00	-16.22	4.11	17.89	36.00	-18.11
			106	54	MCS11	10.86	10.85	13.87	30.00	-16.13	4.11	17.98	36.00	-18.02

Table 7-34. ISED CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [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]
						Antenna 0	Antenna 1	Summed						
	5180	36	242	61	MCS11	12.02	12.26	15.15	-	-	4.11	19.26	22.55	-3.29
	5200	40	242	61	MCS11	12.02	12.21	15.13	-	-	4.11	19.24	22.55	-3.31
	5240	48	242	61	MCS11	12.34	12.32	15.34	-	-	4.11	19.45	22.55	-3.10
	5260	52	242	61	MCS11	15.87	15.52	18.71	23.58	-4.87	4.11	22.82	29.58	-6.76
	5300	60	242	61	MCS11	13.90	13.66	16.79	23.58	-6.79	4.11	20.90	29.58	-8.68
	5320	64	242	61	MCS11	14.43	14.42	17.44	23.58	-6.14	4.11	21.55	29.58	-8.03
	5500	100	242	61	MCS11	12.64	12.83	15.75	23.58	-7.83	4.11	19.86	29.58	-9.72
	5520	104	242	61	MCS11	14.61	14.63	17.63	23.58	-5.95	4.11	21.74	29.58	-7.84
	5540	108	242	61	MCS11	15.61	15.16	18.40	23.58	-5.18	4.11	22.51	29.58	-7.07
	5580	116	242	61	MCS11	15.65	15.52	18.60	23.58	-4.98	4.11	22.71	29.58	-6.87
	5660	132	242	61	MCS11	15.74	15.83	18.80	23.58	-4.78	4.11	22.91	29.58	-6.67
	5680	136	242	61	MCS11	15.62	15.62	18.63	23.58	-4.95	4.11	22.74	29.58	-6.84
	5700	140	242	61	MCS11	15.55	15.74	18.66	23.58	-4.92	4.11	22.77	29.58	-6.81
	5720	144	242	61	MCS11	15.51	15.97	18.76	23.58	-4.82	4.11	22.87	29.58	-6.71
	5745	149	242	61	MCS11	15.83	15.52	18.69	30.00	-11.31	4.11	22.80	36.00	-12.71
	5785	157	242	61	MCS11	15.75	15.75	18.76	30.00	-11.24	4.11	22.87	-	-
	5825	165	242	61	MCS11	15.81	15.92	18.88	30.00	-11.12	4.11	22.99	-	-

Table 7-35. ISED CDD 20MHz BW (UNII) Maximum Conducted Output Power (Fully-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [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]
						Antenna 0	Antenna 1	Summed						
	5190	38	484	65	MCS11	11.68	11.87	14.79	-	-	4.11	18.90	22.55	-3.65
	5230	46	484	65	MCS11	14.30	14.21	17.27	-	-	4.11	21.38	22.55	-1.17
	5270	54	484	65	MCS11	16.02	16.07	19.06	23.58	-4.52	4.11	23.17	29.58	-6.41
	5310	62	484	65	MCS11	11.60	11.70	14.66	23.58	-8.92	4.11	18.77	29.58	-10.81
	5510	102	484	65	MCS11	11.31	11.36	14.35	23.58	-9.23	4.11	18.46	29.58	-11.12
	5550	110	484	65	MCS11	14.64	14.99	17.83	23.58	-5.75	4.11	21.94	29.58	-7.64
	5590	118	484	65	MCS11	17.97	17.87	20.93	23.58	-2.65	4.11	25.04	29.58	-4.54
	5630	126	484	65	MCS11	15.41	15.08	18.26	23.58	-5.32	4.11	22.37	29.58	-7.21
	5670	134	484	65	MCS11	12.74	12.66	15.71	23.58	-7.87	4.11	19.82	29.58	-9.76
	5710	142	484	65	MCS11	17.89	17.65	20.78	23.58	-2.80	4.11	24.89	29.58	-4.69
	5755	151	484	65	MCS11	16.42	16.05	19.25	30.00	-10.75	4.11	23.36	-	-
	5795	159	484	65	MCS11	17.62	17.75	20.70	30.00	-9.30	4.11	24.81	-	-

Table 7-36. ISED CDD 40MHz BW (UNII) Maximum Conducted Output Power (Fully-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	RU Size	RU Index	Data Rate	Conducted Powers [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]
						Antenna 0	Antenna 1	Summed						
	5210	42	996	67	MCS11	9.82	9.59	12.72	-	-	4.11	16.83	22.55	-5.72
	5290	58	996	67	MCS11	9.75	9.74	12.76	23.58	-10.82	4.11	16.87	29.58	-12.71
	5530	106	996	67	MCS11	9.45	9.30	12.39	23.58	-11.19	4.11	16.50	29.58	-13.08
	5610	122	996	67	MCS11	14.40	14.15	17.29	23.58	-6.29	4.11	21.40	29.58	-8.18
	5690	138	996	67	MCS11	17.97	17.58	20.79	23.58	-2.79	4.11	24.90	29.58	-4.68
	5775	155	996	67	MCS11	14.24	14.25	17.26	30.00	-12.74	4.11	21.37	-	-

Table 7-37. ISED CDD 80MHz BW (UNII) Maximum Conducted Output Power (Fully-Loaded RU's)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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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 powers 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 n th 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 output power was measured to be 3.22 dBm for Antenna 0 and 3.26 dBm for Antenna 1.

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

$$(3.22 \text{ dBm} + 3.26 \text{ dBm}) = (2.10 \text{ mW} + 2.12 \text{ mW}) = 4.22 \text{ mW} = 6.25 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 6.25 dBm with directional gain of 4.11 dBi.

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

$$6.25 \text{ dBm} + 4.11 \text{ dBi} = 10.36 \text{ dBm}$$

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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 ≥ 3MHz for U-NII 1, U-NII 2A, U-NII 2C; ≥ 3 x RBW for U-NII 3
5. Number of sweep points ≥ 2 x (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.

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Test Setup

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

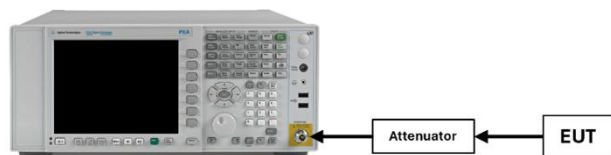


Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All partially loaded RU configurations were evaluated for Power Spectral Density, and among them, the RU26 and RU52 configurations were identified as the worst case. Therefore, only the RU26/52 (Partially-loaded RU) and RU242 (fully-loaded RU) data are included in this report.
2. Low, mid, and high channels were tested and tabular data has been reported. Only worst case PSD plots have been reported.
3. 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

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7.5.1 Antenna 0 Power Spectral Density Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	MCS11	6.58	11.0	-4.42
	5200	40	ax (20MHz)	26	8	MCS11	6.06	11.0	-4.94
	5240	48	ax (20MHz)	26	0	MCS11	6.11	11.0	-4.89
	5190	38	ax (40MHz)	26	8	MCS11	6.41	11.0	-4.59
	5230	46	ax (40MHz)	26	8	MCS11	6.33	11.0	-4.67
	5210	42	ax (80MHz)	26	0	MCS11	4.82	11.0	-6.18
Band 2A	5260	52	ax (20MHz)	52	37	MCS11	4.43	11.0	-6.57
	5280	60	ax (20MHz)	52	40	MCS11	4.02	11.0	-6.98
	5320	64	ax (20MHz)	52	39	MCS11	3.97	11.0	-7.03
	5270	54	ax (40MHz)	52	37	MCS11	4.61	11.0	-6.39
	5310	62	ax (40MHz)	52	40	MCS11	4.31	11.0	-6.69
	5290	58	ax (80MHz)	52	37	MCS11	4.19	11.0	-6.81
Band 2C	5500	100	ax (20MHz)	52	40	MCS11	4.09	11.0	-6.91
	5580	116	ax (20MHz)	52	39	MCS11	4.22	11.0	-6.78
	5720	144	ax (20MHz)	52	40	MCS11	3.88	11.0	-7.12
	5510	102	ax (40MHz)	52	44	MCS11	4.24	11.0	-6.76
	5550	110	ax (40MHz)	52	44	MCS11	4.30	11.0	-6.70
	5590	118	ax (40MHz)	52	37	MCS11	4.36	11.0	-6.64
	5670	134	ax (40MHz)	52	40	MCS11	3.99	11.0	-7.01
	5710	142	ax (40MHz)	52	44	MCS11	3.93	11.0	-7.07
	5530	106	ax (80MHz)	52	44	MCS11	3.31	11.0	-7.69
	5610	122	ax (80MHz)	52	44	MCS11	4.35	11.0	-6.65
	5690	138	ax (80MHz)	52	52	MCS11	4.27	11.0	-6.73

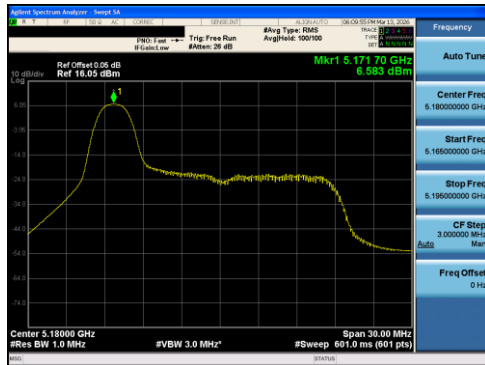
Table 7-38. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 0 (RU26/52)

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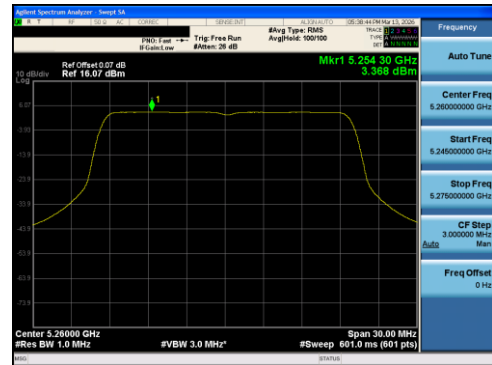
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	MCS11	2.72	11.0	-8.28
	5200	40	ax (20MHz)	242	61	MCS11	3.08	11.0	-7.92
	5240	48	ax (20MHz)	242	61	MCS11	3.23	11.0	-7.78
	5190	38	ax (40MHz)	484	65	MCS11	-3.68	11.0	-14.68
	5230	46	ax (40MHz)	484	65	MCS11	0.32	11.0	-10.68
	5210	42	ax (80MHz)	996	67	MCS11	-7.75	11.0	-18.75
Band 2A	5260	52	ax (20MHz)	242	61	MCS11	3.37	11.0	-7.63
	5280	60	ax (20MHz)	242	61	MCS11	0.95	11.0	-10.05
	5320	64	ax (20MHz)	242	61	MCS11	1.87	11.0	-9.13
	5270	54	ax (40MHz)	484	65	MCS11	0.04	11.0	-10.96
	5310	62	ax (40MHz)	484	65	MCS11	-3.50	11.0	-14.50
	5290	58	ax (80MHz)	996	67	MCS11	-8.02	11.0	-19.02
Band 2C	5500	100	ax (20MHz)	242	61	MCS11	0.52	11.0	-10.48
	5580	116	ax (20MHz)	242	61	MCS11	3.16	11.0	-7.85
	5720	144	ax (20MHz)	242	61	MCS11	2.96	11.0	-8.04
	5510	102	ax (40MHz)	484	65	MCS11	-4.25	11.0	-15.25
	5550	110	ax (40MHz)	484	65	MCS11	-0.72	11.0	-11.72
	5590	118	ax (40MHz)	484	65	MCS11	1.94	11.0	-9.06
	5670	134	ax (40MHz)	484	65	MCS11	-2.99	11.0	-13.99
	5710	142	ax (40MHz)	484	65	MCS11	1.80	11.0	-9.21
	5530	106	ax (80MHz)	996	67	MCS11	-8.74	11.0	-19.74
	5610	122	ax (80MHz)	996	67	MCS11	-4.36	11.0	-15.36
	5690	138	ax (80MHz)	996	67	MCS11	-1.26	11.0	-12.26

Table 7-39. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 0 (Full Loaded RU)

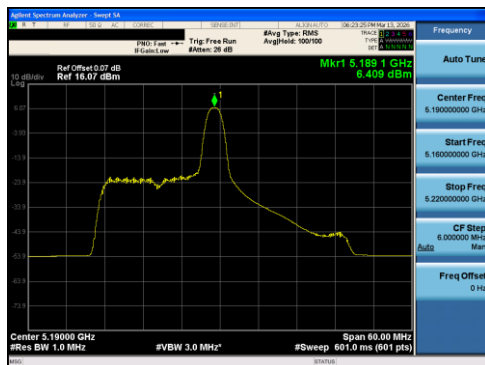
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 51 of 160



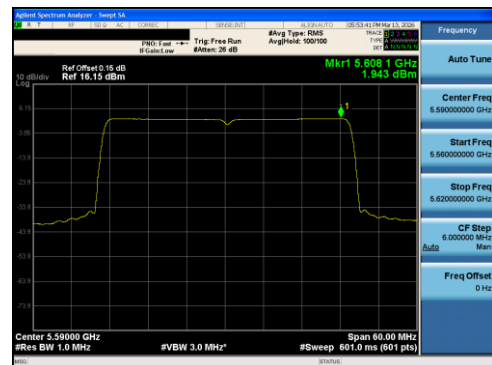
Plot 7-25 PSD Antenna 0 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.36)



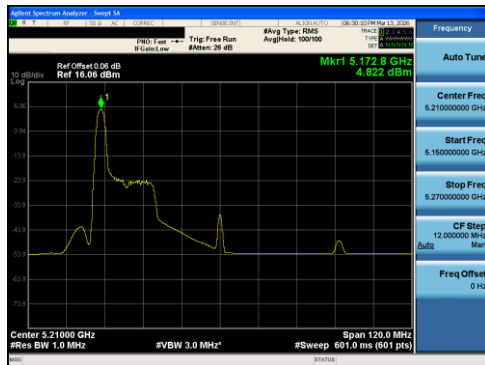
Plot 7-26 PSD Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.52)



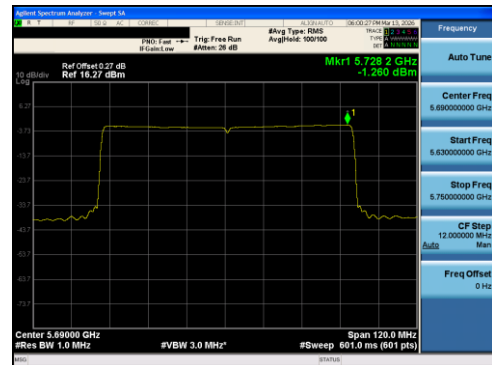
Plot 7-27 PSD Antenna 0 (40MHz BW 802.11ax(RU) RU26 Index8 - Ch.38)



Plot 7-28 PSD Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.118)



Plot 7-29 PSD Antenna 0 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.42)



Plot 7-30 PSD Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.138)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

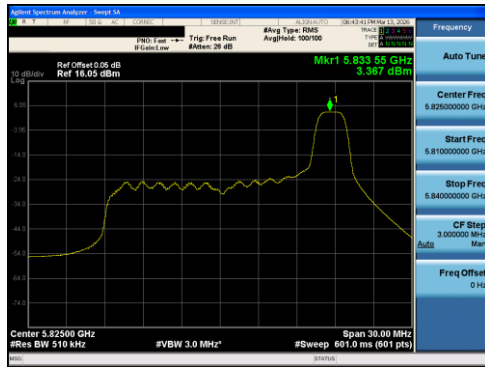
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/500kHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 3	5180	149	ax (20MHz)	26	0	MCS11	3.22	30.0	-26.78
	5200	157	ax (20MHz)	26	0	MCS11	2.85	30.0	-27.15
	5240	165	ax (20MHz)	26	8	MCS11	3.37	30.0	-26.63
	5190	151	ax (40MHz)	26	0	MCS11	3.32	30.0	-26.68
	5230	159	ax (40MHz)	26	0	MCS11	3.05	30.0	-26.95
	5210	155	ax (80MHz)	26	0	MCS11	1.43	30.0	-28.57

Table 7-40. Band 3 Power Spectral Density Measurements Antenna 0 (RU26)

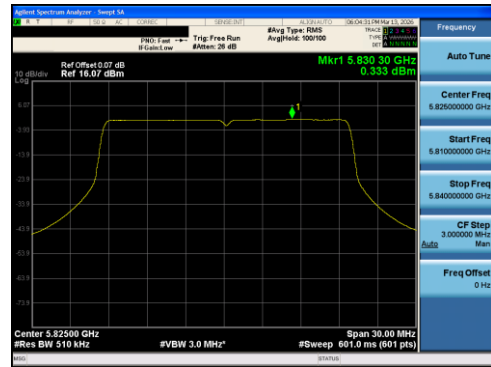
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	242	61	MCS11	0.23	30.0	-29.77
	5785	157	ax (20MHz)	242	61	MCS11	-0.12	30.0	-30.12
	5825	165	ax (20MHz)	242	61	MCS11	0.33	30.0	-29.67
	5755	151	ax (40MHz)	484	65	MCS11	-2.50	30.0	-32.50
	5795	159	ax (40MHz)	484	65	MCS11	-1.21	30.0	-31.21
	5775	155	ax (80MHz)	996	67	MCS11	-7.07	30.0	-37.07

Table 7-41. Band 3 Power Spectral Density Measurements Antenna 0 (Fully-loaded RU)

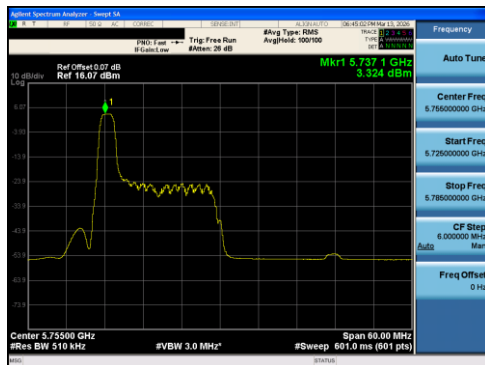
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 53 of 160



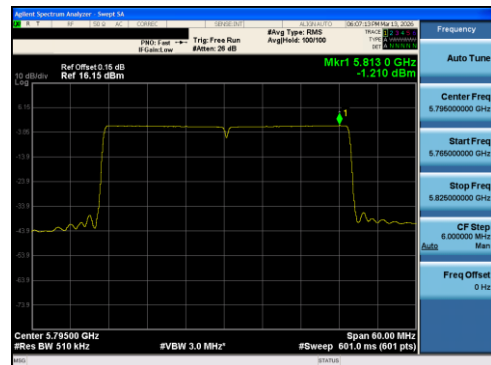
Plot 7-31 PSD Antenna 0 (20MHz BW 802.11ax(RU) RU26 Index8 - Ch.165)



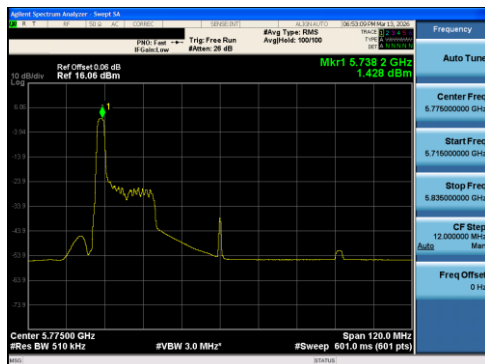
Plot 7-32 PSD Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.165)



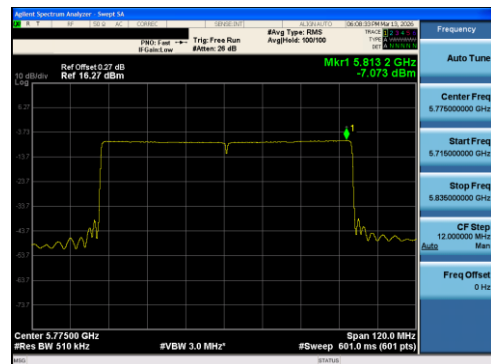
Plot 7-33 PSD Antenna 0 (40MHz BW 802.11ax(RU) RU26 Index0 - Ch.151)



Plot 7-34 PSD Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.159)



Plot 7-35 PSD Antenna 0 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.155)



Plot 7-36 PSD Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.155)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

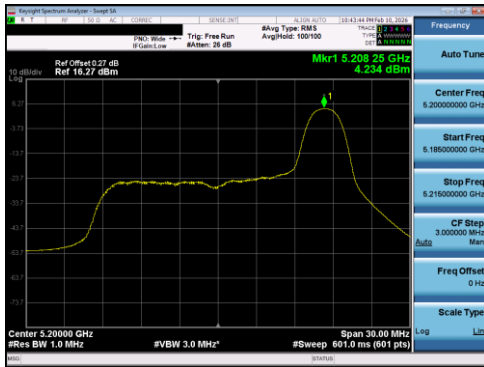
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	8	MCS11	4.04	4.24	8.28	10.0	-1.72
	5200	40	ax (20MHz)	26	8	MCS11	4.23	4.24	8.47	10.0	-1.53
	5240	48	ax (20MHz)	26	8	MCS11	3.83	4.24	8.07	10.0	-1.93
	5190	38	ax (40MHz)	26	0	MCS11	3.64	4.24	7.88	10.0	-2.12
	5230	46	ax (40MHz)	26	8	MCS11	3.07	4.24	7.31	10.0	-2.69
	5210	42	ax (80MHz)	26	0	MCS11	1.76	4.24	6.00	10.0	-4.00

Table 7-42. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 0 (RU26)

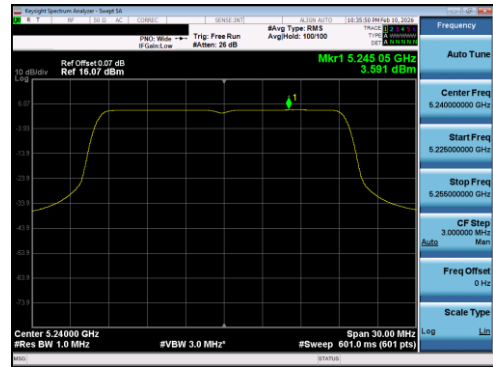
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	MCS11	3.30	4.24	7.54	10.0	-2.46
	5200	40	ax (20MHz)	242	61	MCS11	3.33	4.24	7.57	10.0	-2.43
	5240	48	ax (20MHz)	242	61	MCS11	3.59	4.24	7.83	10.0	-2.17
	5190	38	ax (40MHz)	484	65	MCS11	-3.02	4.24	1.22	10.0	-8.78
	5230	46	ax (40MHz)	484	65	MCS11	0.65	4.24	4.89	10.0	-5.11
	5210	42	ax (80MHz)	996	67	MCS11	-7.58	4.24	-3.34	10.0	-13.34

Table 7-43. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 0 (Fully-loaded RU)

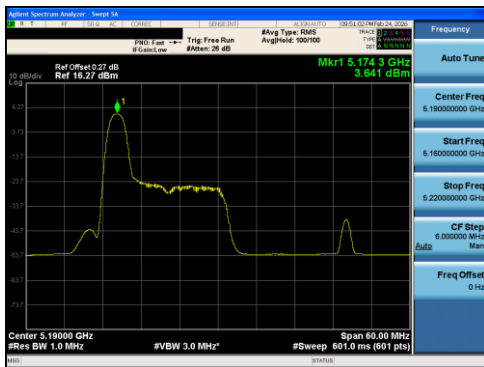
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 55 of 160



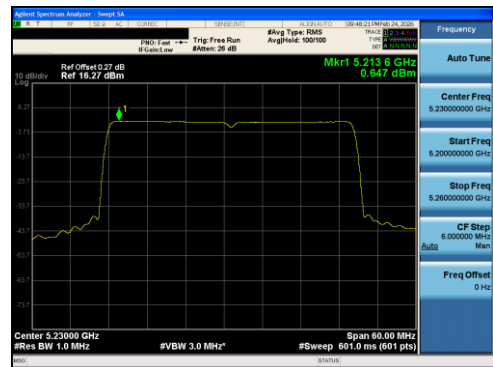
Plot 7-37 PSD Antenna 0 (20MHz BW 802.11ax(RU) RU26 Index8 - Ch.40)



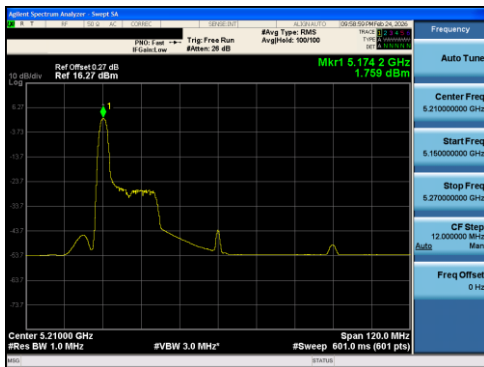
Plot 7-40 PSD Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.48)



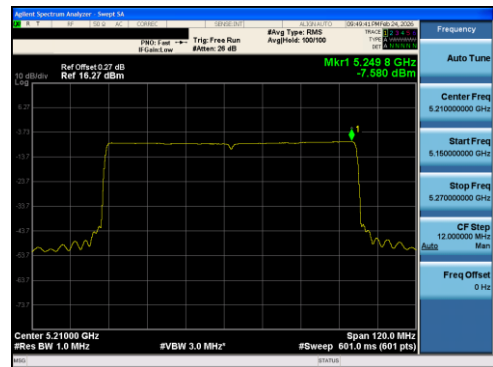
Plot 7-38 PSD Antenna 0 (40MHz BW 802.11ax(RU) RU26 Index0 - Ch.38)



Plot 7-41 PSD Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.46)



Plot 7-39 PSD Antenna 0 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.42)



Plot 7-42 PSD Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.42)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.5.2 Antenna 1 Power Spectral Density Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	MCS11	7.01	11.0	-3.99
	5200	40	ax (20MHz)	26	8	MCS11	6.46	11.0	-4.54
	5240	48	ax (20MHz)	26	0	MCS11	6.45	11.0	-4.55
	5190	38	ax (40MHz)	26	8	MCS11	6.78	11.0	-4.22
	5230	46	ax (40MHz)	26	8	MCS11	6.85	11.0	-4.15
Band 2A	5210	42	ax (80MHz)	26	0	MCS11	5.20	11.0	-5.80
	5260	52	ax (20MHz)	52	39	MCS11	4.51	11.0	-6.49
	5280	60	ax (20MHz)	52	40	MCS11	4.72	11.0	-6.28
	5320	64	ax (20MHz)	52	40	MCS11	4.75	11.0	-6.25
	5270	54	ax (40MHz)	52	44	MCS11	4.62	11.0	-6.38
	5310	62	ax (40MHz)	52	44	MCS11	4.74	11.0	-6.26
	5290	58	ax (80MHz)	52	37	MCS11	4.79	11.0	-6.21
Band 2C	5500	100	ax (20MHz)	52	37	MCS11	4.30	11.0	-6.71
	5580	116	ax (20MHz)	52	39	MCS11	4.74	11.0	-6.26
	5720	144	ax (20MHz)	52	39	MCS11	4.42	11.0	-6.58
	5510	102	ax (40MHz)	52	40	MCS11	4.51	11.0	-6.49
	5550	110	ax (40MHz)	52	40	MCS11	4.62	11.0	-6.38
	5590	118	ax (40MHz)	52	37	MCS11	4.76	11.0	-6.24
	5670	134	ax (40MHz)	52	40	MCS11	4.47	11.0	-6.53
	5710	142	ax (40MHz)	52	37	MCS11	4.44	11.0	-6.56
	5530	106	ax (80MHz)	52	52	MCS11	3.67	11.0	-7.33
	5610	122	ax (80MHz)	52	37	MCS11	4.45	11.0	-6.55
	5690	138	ax (80MHz)	52	37	MCS11	4.67	11.0	-6.33

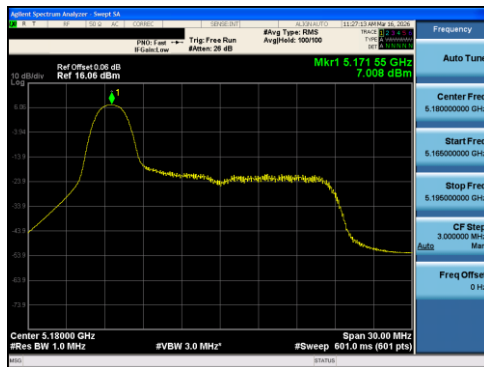
Table 7-44. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 1 (RU26/52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 57 of 160

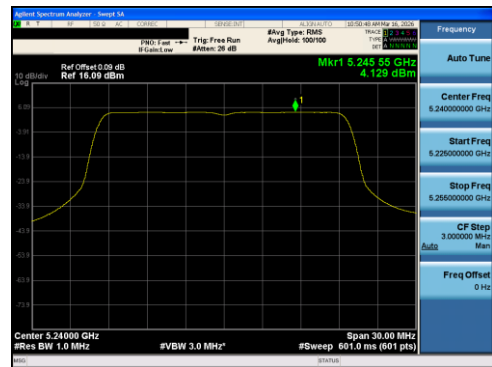
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	MCS11	2.81	11.0	-8.19
	5200	40	ax (20MHz)	242	61	MCS11	3.90	11.0	-7.10
	5240	48	ax (20MHz)	242	61	MCS11	4.13	11.0	-6.87
	5190	38	ax (40MHz)	484	65	MCS11	-2.89	11.0	-13.89
	5230	46	ax (40MHz)	484	65	MCS11	0.90	11.0	-10.10
	5210	42	ax (80MHz)	996	67	MCS11	-7.39	11.0	-18.39
Band 2A	5260	52	ax (20MHz)	242	61	MCS11	3.97	11.0	-7.03
	5280	60	ax (20MHz)	242	61	MCS11	1.66	11.0	-9.34
	5320	64	ax (20MHz)	242	61	MCS11	2.67	11.0	-8.33
	5270	54	ax (40MHz)	484	65	MCS11	0.90	11.0	-10.10
	5310	62	ax (40MHz)	484	65	MCS11	-3.13	11.0	-14.13
	5290	58	ax (80MHz)	996	67	MCS11	-7.23	11.0	-18.23
Band 2C	5500	100	ax (20MHz)	242	61	MCS11	1.31	11.0	-9.69
	5580	116	ax (20MHz)	242	61	MCS11	3.64	11.0	-7.36
	5720	144	ax (20MHz)	242	61	MCS11	3.62	11.0	-7.38
	5510	102	ax (40MHz)	484	65	MCS11	-4.08	11.0	-15.08
	5550	110	ax (40MHz)	484	65	MCS11	-0.48	11.0	-11.48
	5590	118	ax (40MHz)	484	65	MCS11	2.53	11.0	-8.47
	5670	134	ax (40MHz)	484	65	MCS11	-2.59	11.0	-13.59
	5710	142	ax (40MHz)	484	65	MCS11	2.48	11.0	-8.52
	5530	106	ax (80MHz)	996	67	MCS11	-8.64	11.0	-19.64
	5610	122	ax (80MHz)	996	67	MCS11	-3.93	11.0	-14.93
	5690	138	ax (80MHz)	996	67	MCS11	-0.72	11.0	-11.72

Table 7-45. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 1 (Full Loaded RU)

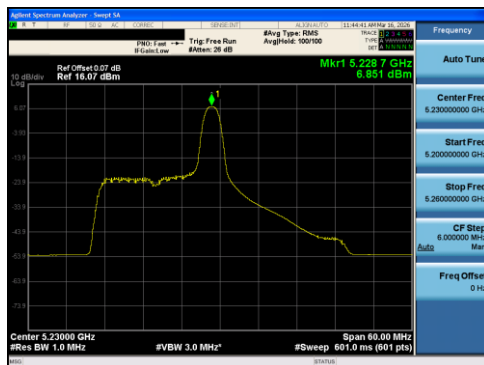
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 58 of 160



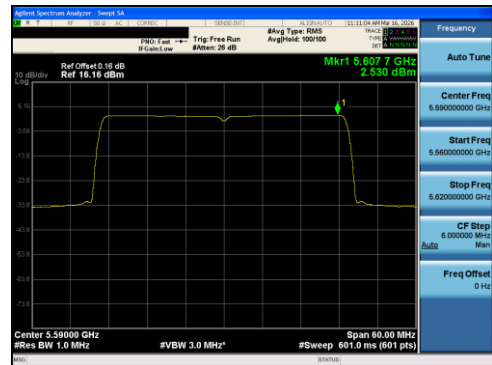
Plot 7-43 PSD Antenna 1 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.36)



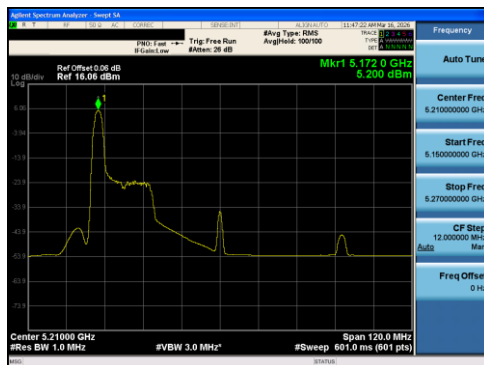
Plot 7-46 PSD Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.48)



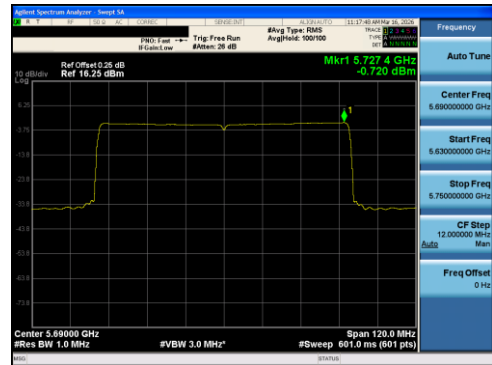
Plot 7-44 PSD Antenna 1 (40MHz BW 802.11ax(RU) RU26 Index8 - Ch.46)



Plot 7-47 PSD Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.118)



Plot 7-45 PSD Antenna 1 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.42)



Plot 7-48 PSD Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.138)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

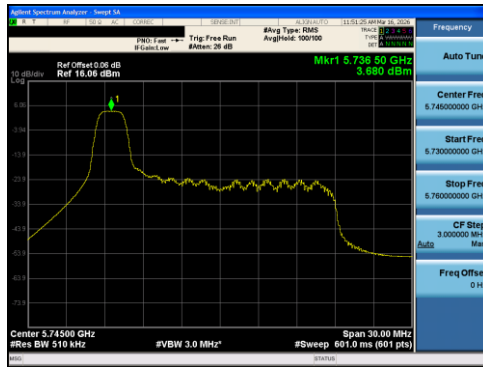
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/500kHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 3	5180	149	ax (20MHz)	26	0	MCS11	3.68	30.0	-26.32
	5200	157	ax (20MHz)	26	0	MCS11	3.63	30.0	-26.37
	5240	165	ax (20MHz)	26	4	MCS11	3.61	30.0	-26.39
	5190	151	ax (40MHz)	26	8	MCS11	3.61	30.0	-26.39
	5230	159	ax (40MHz)	26	8	MCS11	3.46	30.0	-26.54
	5210	155	ax (80MHz)	26	0	MCS11	2.00	30.0	-28.00

Table 7-46. Band 3 Power Spectral Density Measurements Antenna 1 (RU26)

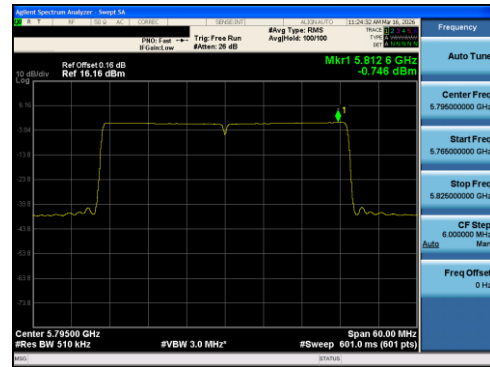
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	242	61	MCS11	0.71	30.0	-29.30
	5785	157	ax (20MHz)	242	61	MCS11	0.64	30.0	-29.36
	5825	165	ax (20MHz)	242	61	MCS11	0.87	30.0	-29.13
	5755	151	ax (40MHz)	484	65	MCS11	-1.93	30.0	-31.93
	5795	159	ax (40MHz)	484	65	MCS11	-0.75	30.0	-30.75
	5775	155	ax (80MHz)	996	67	MCS11	-6.76	30.0	-36.76

Table 7-47. Band 3 Power Spectral Density Measurements Antenna 1 (Fully-loaded RU)

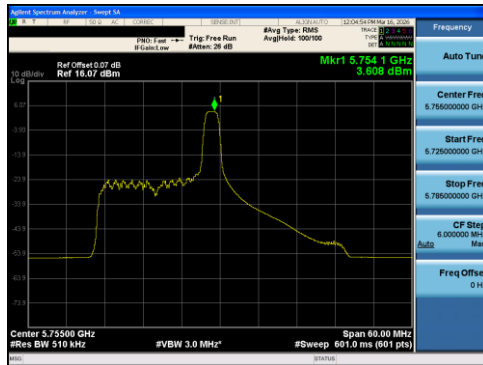
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 60 of 160



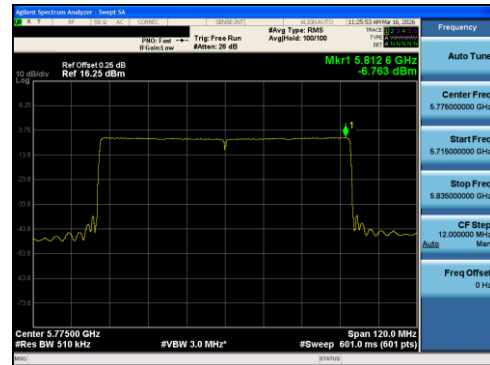
Plot 7-49 PSD Antenna 1 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.149)



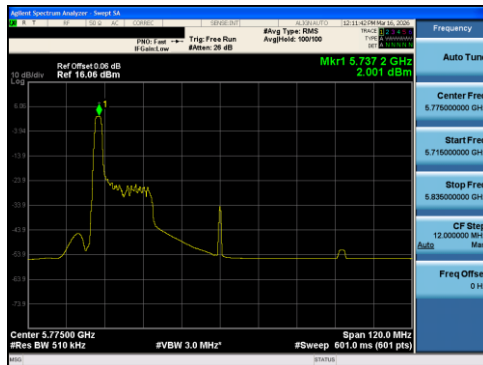
Plot 7-50 PSD Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.159)



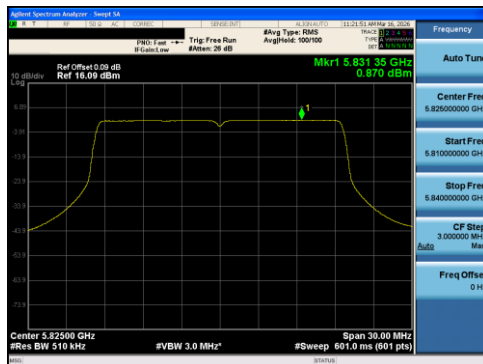
Plot 7-51 PSD Antenna 1 (40MHz BW 802.11ax(RU) RU26 Index8 - Ch.151)



Plot 7-52 PSD Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.155)



Plot 7-53 PSD Antenna 1 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.155)



Plot 7-54 PSD Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.165)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

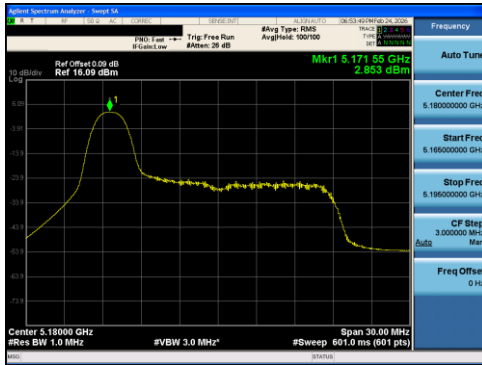
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	MCS11	2.85	3.98	6.83	10.0	-3.17
	5200	40	ax (20MHz)	26	8	MCS11	2.42	3.98	6.40	10.0	-3.60
	5240	48	ax (20MHz)	26	0	MCS11	2.37	3.98	6.35	10.0	-3.65
	5190	38	ax (40MHz)	26	0	MCS11	3.23	3.98	7.21	10.0	-2.80
	5230	46	ax (40MHz)	26	0	MCS11	3.16	3.98	7.14	10.0	-2.86
	5210	42	ax (80MHz)	26	0	MCS11	1.51	3.98	5.49	10.0	-4.51

Table 7-48. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1 (RU26)

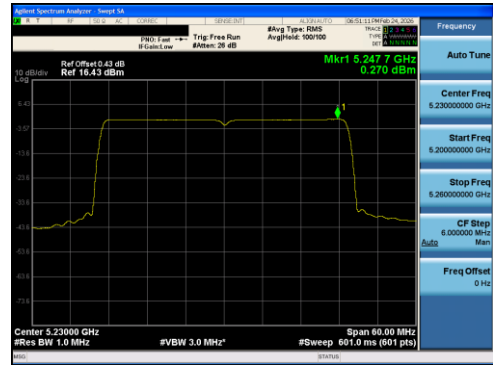
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	MCS11	2.25	3.98	6.23	10.0	-3.77
	5200	40	ax (20MHz)	242	61	MCS11	2.31	3.98	6.29	10.0	-3.71
	5240	48	ax (20MHz)	242	61	MCS11	2.25	3.98	6.23	10.0	-3.77
	5190	38	ax (40MHz)	484	65	MCS11	-3.31	3.98	0.67	10.0	-9.33
	5230	46	ax (40MHz)	484	65	MCS11	0.27	3.98	4.25	10.0	-5.75
	5210	42	ax (80MHz)	996	67	MCS11	-8.00	3.98	-4.02	10.0	-14.02

Table 7-49. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1 (Fully-loaded RU)

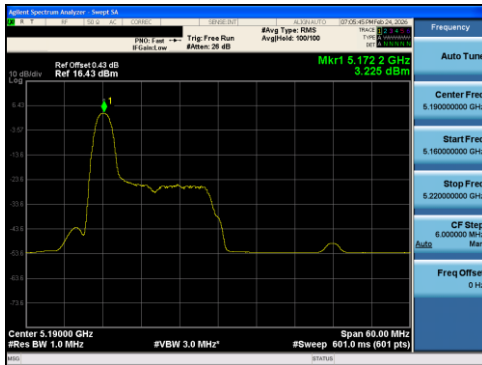
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 62 of 160



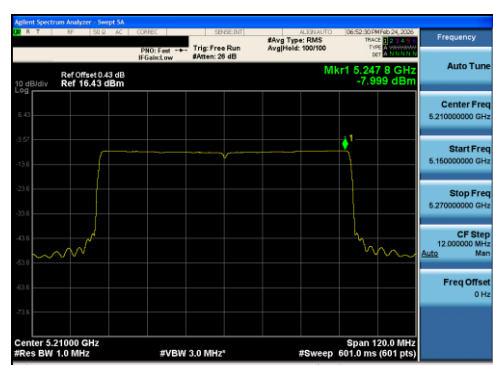
Plot 7-55 PSD Antenna 1 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.36)



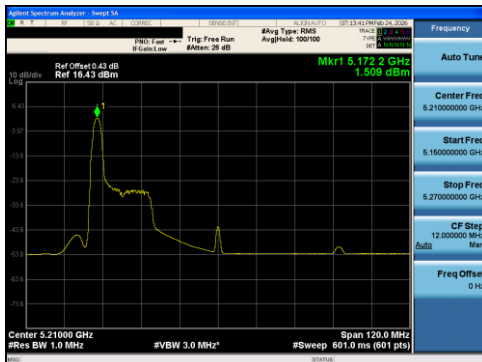
Plot 7-59 PSD Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.46)



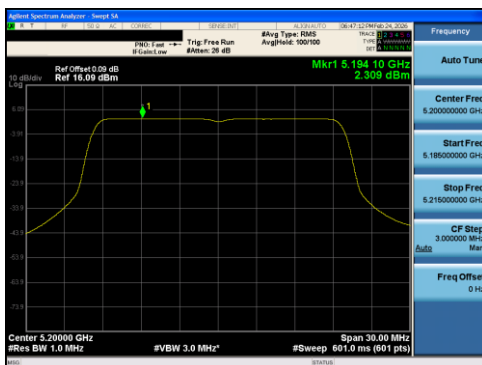
Plot 7-56 PSD Antenna 1 (40MHz BW 802.11ax(RU) RU26 Index0 - Ch.38)



Plot 7-60 PSD Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.42)



Plot 7-57 PSD Antenna 1 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.42)



Plot 7-58 PSD Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.40)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

7.5.3 Summed CDD/SDM Power Spectral Density Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 Measured Power Density [dBm/MHz]	Antenna 1 Measured Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	CDD	MCS11	5.72	5.95	8.85	11.0	-2.15
	5200	40	ax (20MHz)	26	8	CDD	MCS11	5.06	5.37	8.23	11.0	-2.77
	5240	48	ax (20MHz)	26	8	CDD	MCS11	5.02	5.45	8.25	11.0	-2.75
	5190	38	ax (40MHz)	26	8	CDD	MCS11	5.25	5.74	8.51	11.0	-2.49
	5230	46	ax (40MHz)	26	8	CDD	MCS11	5.24	5.76	8.52	11.0	-2.48
Band 2A	5210	42	ax (80MHz)	26	0	CDD	MCS11	5.12	5.55	8.35	11.0	-2.65
	5260	52	ax (20MHz)	52	37	CDD	MCS11	3.18	3.59	6.40	11.0	-4.60
	5280	60	ax (20MHz)	52	40	CDD	MCS11	3.04	3.84	6.47	11.0	-4.53
	5320	64	ax (20MHz)	52	40	CDD	MCS11	3.05	3.89	6.50	11.0	-4.50
	5270	54	ax (40MHz)	52	44	CDD	MCS11	2.94	3.71	6.35	11.0	-4.65
Band 2C	5310	62	ax (40MHz)	52	37	CDD	MCS11	2.96	3.95	6.49	11.0	-4.51
	5290	58	ax (80MHz)	52	37	CDD	MCS11	3.19	3.87	6.55	11.0	-4.45
	5500	100	ax (20MHz)	52	37	CDD	MCS11	3.13	3.46	6.31	11.0	-4.69
	5580	116	ax (20MHz)	52	40	CDD	MCS11	3.27	3.84	6.58	11.0	-4.42
	5720	144	ax (20MHz)	52	37	CDD	MCS11	3.05	3.51	6.30	11.0	-4.70
	5510	102	ax (40MHz)	52	37	CDD	MCS11	3.39	3.36	6.38	11.0	-4.62
	5550	110	ax (40MHz)	52	44	CDD	MCS11	3.28	3.44	6.37	11.0	-4.63
	5590	118	ax (40MHz)	52	44	CDD	MCS11	3.35	3.78	6.58	11.0	-4.42
	5670	134	ax (40MHz)	52	37	CDD	MCS11	2.80	2.00	5.43	11.0	-5.57
	5710	142	ax (40MHz)	52	44	CDD	MCS11	3.00	3.62	6.33	11.0	-4.67
	5530	106	ax (80MHz)	52	52	CDD	MCS11	3.06	3.20	6.14	11.0	-4.86
	5610	122	ax (80MHz)	52	44	CDD	MCS11	3.38	3.86	6.64	11.0	-4.36
	5690	138	ax (80MHz)	52	37	CDD	MCS11	3.43	3.64	6.55	11.0	-4.45

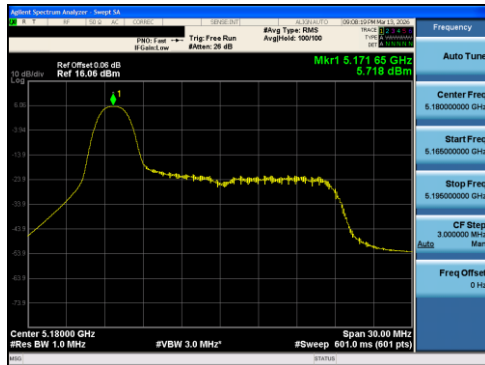
Table 7-50. Bands 1, 2A, 2C Power Spectral Density Measurements CDD (RU26/52)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

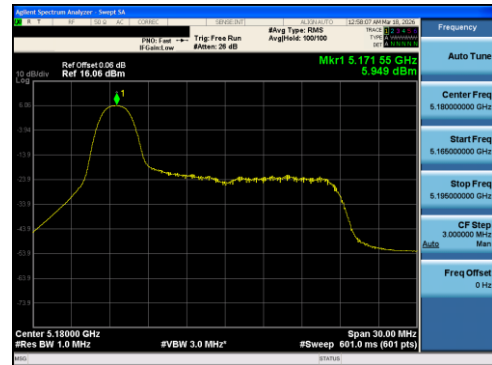
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 Measured Power Density [dBm/MHz]	Antenna 1 Measured Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	CDD	MCS11	2.07	2.37	5.24	11.0	-5.76
	5200	40	ax (20MHz)	242	61	CDD	MCS11	2.46	3.14	5.82	11.0	-5.18
	5240	48	ax (20MHz)	242	61	CDD	MCS11	2.80	2.99	5.90	11.0	-5.10
	5190	38	ax (40MHz)	484	65	CDD	MCS11	-3.87	-3.48	-0.66	11.0	-11.66
	5230	46	ax (40MHz)	484	65	CDD	MCS11	-0.26	0.32	3.05	11.0	-7.95
Band 2A	5210	42	ax (80MHz)	996	67	CDD	MCS11	-8.81	-8.42	-5.60	11.0	-16.60
	5260	52	ax (20MHz)	242	61	CDD	MCS11	2.63	2.90	5.77	11.0	-5.23
	5280	60	ax (20MHz)	242	61	CDD	MCS11	0.32	1.15	3.76	11.0	-7.24
	5320	64	ax (20MHz)	242	61	CDD	MCS11	0.84	1.65	4.28	11.0	-6.72
	5270	54	ax (40MHz)	484	65	CDD	MCS11	-0.02	1.18	3.63	11.0	-7.37
Band 2C	5310	62	ax (40MHz)	484	65	CDD	MCS11	-4.60	-3.71	-1.12	11.0	-12.12
	5290	58	ax (80MHz)	996	67	CDD	MCS11	-9.10	-8.30	-5.67	11.0	-16.67
	5500	100	ax (20MHz)	242	61	CDD	MCS11	-0.53	-0.23	2.63	11.0	-8.37
	5580	116	ax (20MHz)	242	61	CDD	MCS11	2.60	3.13	5.88	11.0	-5.12
	5720	144	ax (20MHz)	242	61	CDD	MCS11	2.40	3.37	5.92	11.0	-5.08
	5510	102	ax (40MHz)	484	65	CDD	MCS11	-4.84	-4.58	-1.70	11.0	-12.70
	5550	110	ax (40MHz)	484	65	CDD	MCS11	-1.34	-1.01	1.84	11.0	-9.16
	5590	118	ax (40MHz)	484	65	CDD	MCS11	1.93	2.77	5.38	11.0	-5.62
	5670	134	ax (40MHz)	484	65	CDD	MCS11	-3.54	-3.13	-0.32	11.0	-11.32
	5710	142	ax (40MHz)	484	65	CDD	MCS11	1.70	2.41	5.08	11.0	-5.92
	5530	106	ax (80MHz)	996	67	CDD	MCS11	-9.38	-9.28	-6.32	11.0	-17.32
	5610	122	ax (80MHz)	996	67	CDD	MCS11	-4.58	-4.26	-1.41	11.0	-12.41
	5690	138	ax (80MHz)	996	67	CDD	MCS11	-1.32	-0.52	2.11	11.0	-8.89

Table 7-51. Bands 1, 2A, 2C Power Spectral Density Measurements CDD (Fully-loaded RU)

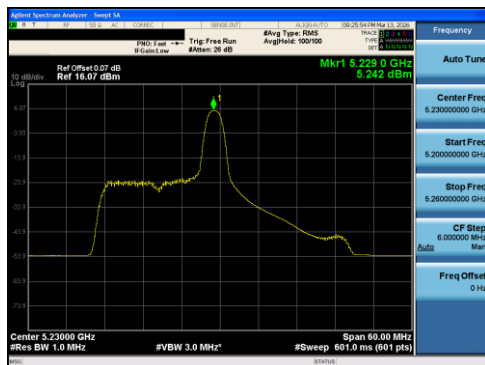
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 65 of 160



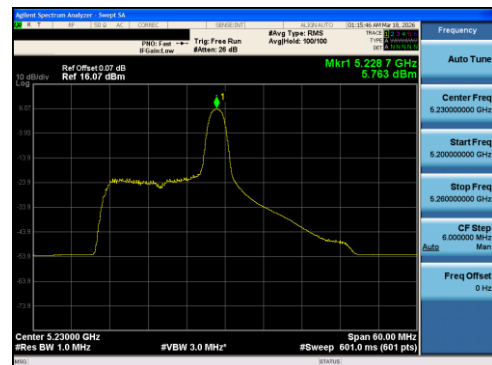
Plot 7-61 PSD CDD Antenna 0 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.36)



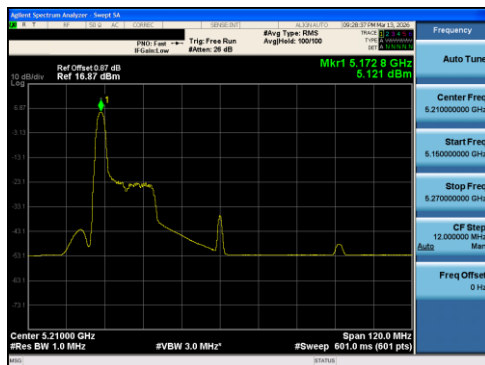
Plot 7-62 PSD CDD Antenna 1 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.36)



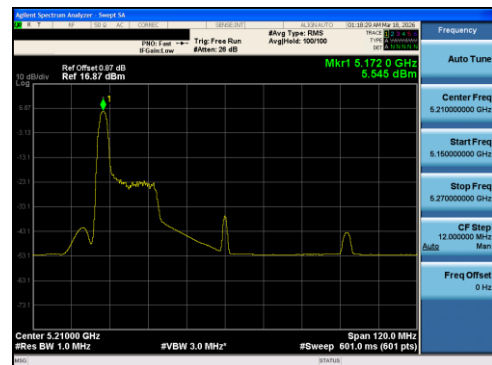
Plot 7-63 PSD CDD Antenna 0 (40MHz BW 802.11ax(RU) RU26 Index8 - Ch.46)



Plot 7-64 PSD CDD Antenna 1 (40MHz BW 802.11ax(RU) RU26 Index8 - Ch.46)

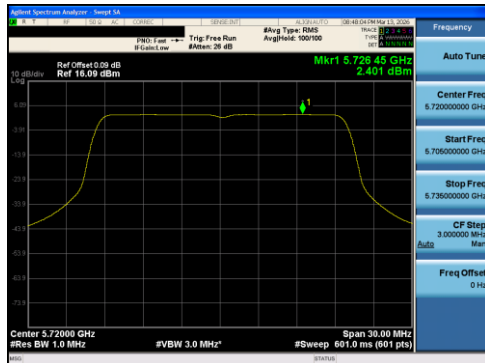


Plot 7-65 PSD CDD Antenna 0 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.42)

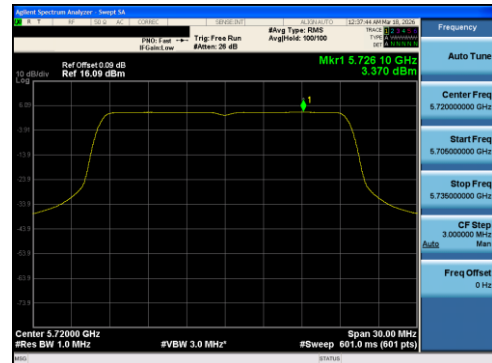


Plot 7-66 PSD CDD Antenna 1 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.42)

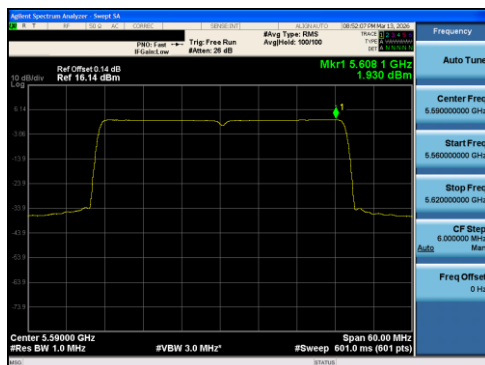
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 66 of 160



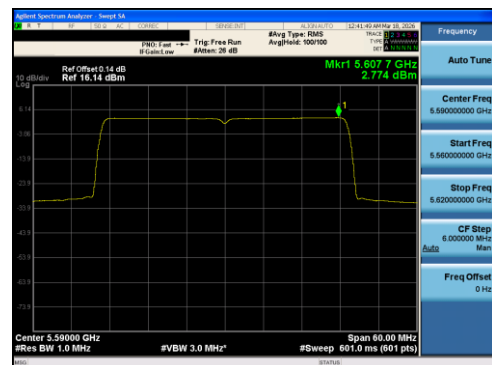
Plot 7-67 PSD CDD Antenna 0 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.144)



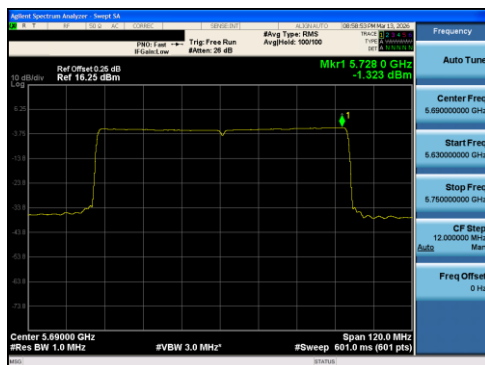
Plot 7-68 PSD CDD Antenna 1 (20MHz BW 802.11ax(RU) RU242 Index61 - Ch.144)



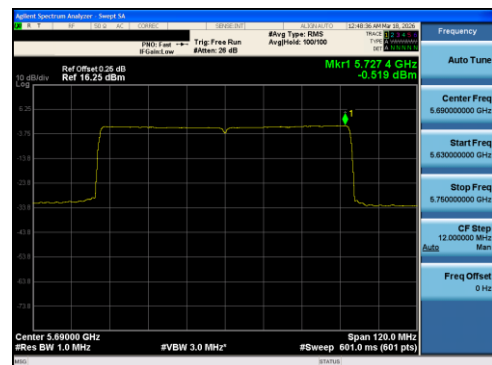
Plot 7-69 PSD CDD Antenna 0 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.118)



Plot 7-70 PSD CDD Antenna 1 (40MHz BW 802.11ax(RU) RU484 Index65 - Ch.118)



Plot 7-71 PSD CDD Antenna 0 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.138)



Plot 7-72 PSD CDD Antenna 1 (80MHz BW 802.11ax(RU) RU996 Index67 - Ch.138)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160

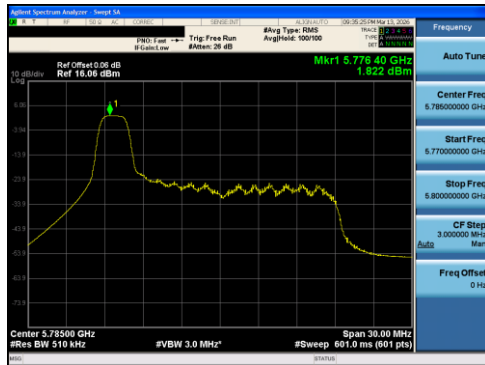
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 Power Density [dBm/500kHz]	Antenna 1 Power Density [dBm/500kHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 3	5180	149	ax (20MHz)	26	0	CDD	MCS11	2.15	3.28	5.76	30.0	-24.24
	5200	157	ax (20MHz)	26	0	CDD	MCS11	1.82	3.75	5.90	30.0	-24.10
	5240	165	ax (20MHz)	26	8	CDD	MCS11	1.93	3.56	5.83	30.0	-24.17
	5190	151	ax (40MHz)	26	0	CDD	MCS11	2.36	1.08	4.78	30.0	-25.22
	5230	159	ax (40MHz)	26	17	CDD	MCS11	2.05	1.43	4.76	30.0	-25.24
	5210	155	ax (80MHz)	26	0	CDD	MCS11	3.41	1.09	5.41	30.0	-24.59

Table 7-52. Band 3 Power Spectral Density Measurements CDD (RU26)

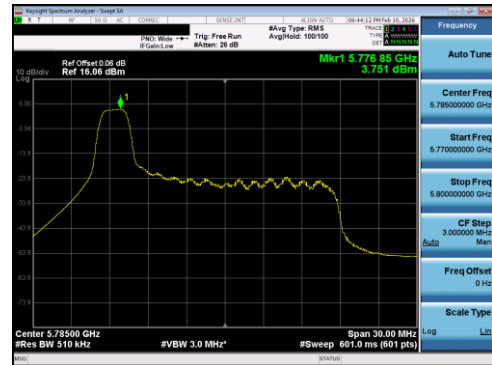
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate	Antenna 0 Power Density [dBm/500kHz]	Antenna 1 Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	242	61	CDD	MCS11	-0.25	0.31	3.05	30.0	-26.95
	5785	157	ax (20MHz)	242	61	CDD	MCS11	-0.63	-0.35	2.52	30.0	-27.48
	5825	165	ax (20MHz)	242	61	CDD	MCS11	-0.67	0.13	2.76	30.0	-27.24
	5755	151	ax (40MHz)	484	65	CDD	MCS11	-3.09	-2.42	0.27	30.0	-29.73
	5795	159	ax (40MHz)	484	65	CDD	MCS11	-1.31	-0.57	2.09	30.0	-27.91
	5775	155	ax (80MHz)	996	67	CDD	MCS11	-7.68	-7.24	-4.44	30.0	-34.44

Table 7-53. Band 3 Power Spectral Density Measurements CDD (Fully-loaded RU)

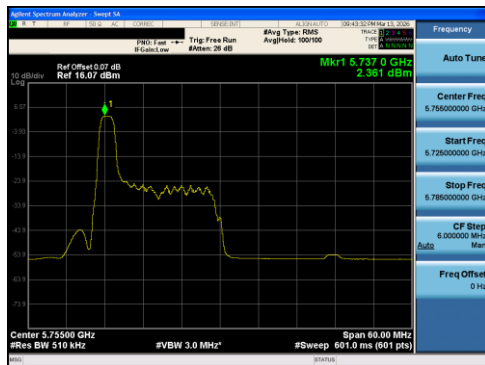
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-R3.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 68 of 160



Plot 7-73 PSD CDD Antenna 0 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.157)



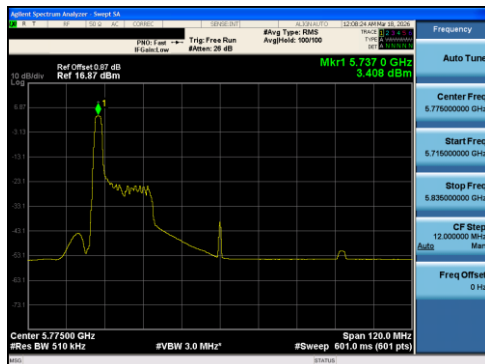
Plot 7-74 PSD CDD Antenna 1 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.157)



Plot 7-75 PSD CDD Antenna 0 (40MHz BW 802.11ax(RU) RU26 Index0 - Ch.151)



Plot 7-76 PSD CDD Antenna 1 (40MHz BW 802.11ax(RU) RU26 Index0 - Ch.151)

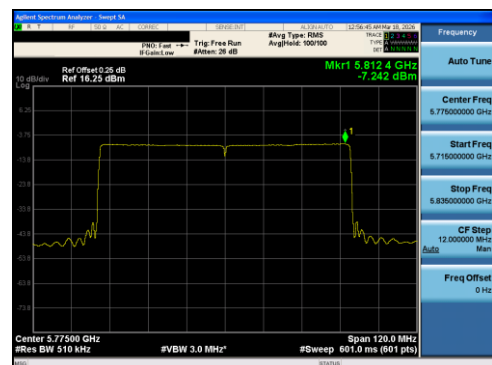
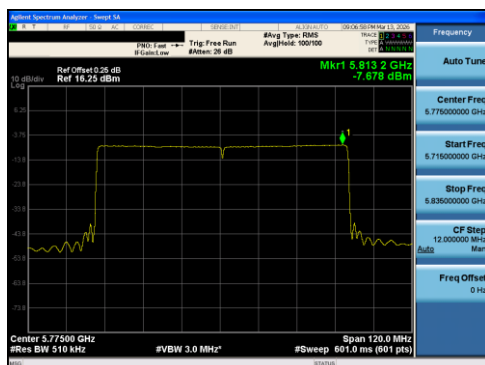
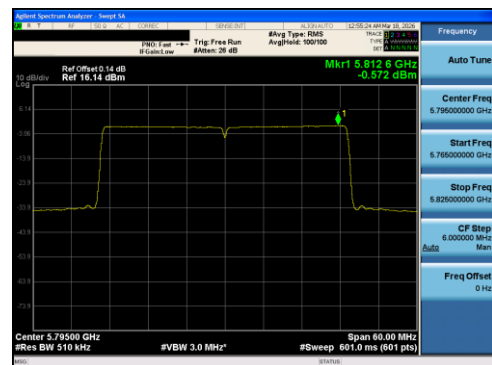
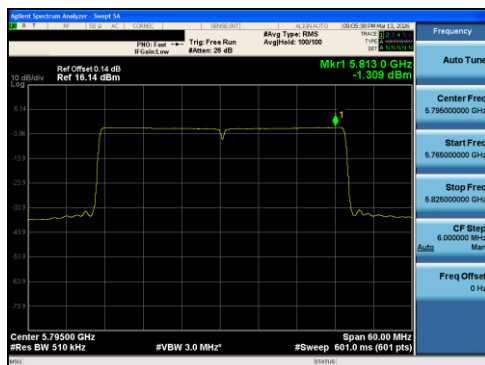
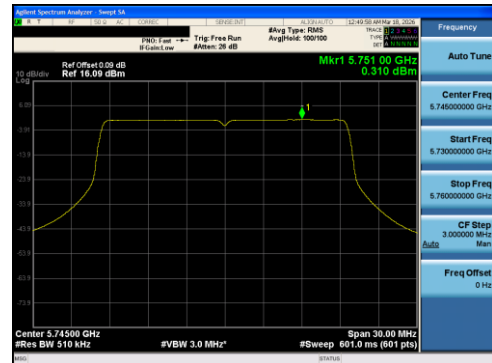
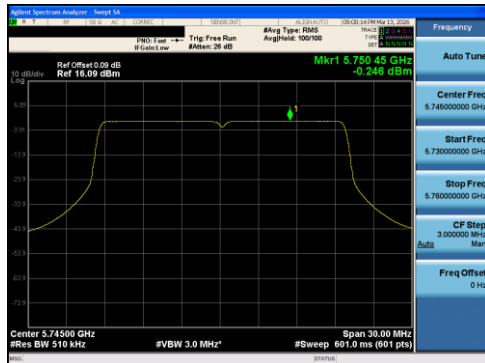


Plot 7-77 PSD CDD Antenna 0 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.155)



Plot 7-78 PSD CDD Antenna 1 (80MHz BW 802.11ax(RU) RU26 Index0 - Ch.155)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160



FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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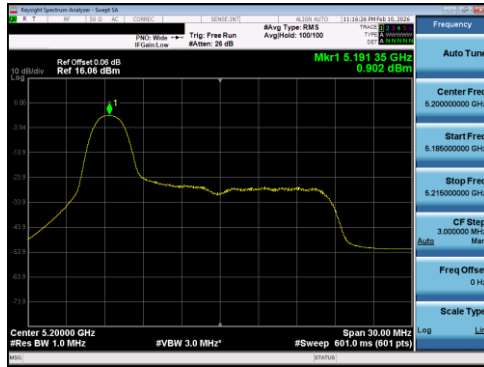
	Frequency [MHz]	Channel	802.11 MODE	Mode	RU Size	RU Index	Data Rate	Antenna 0 Measured Power Density [dBm/MHz]	Antenna 1 Measured Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directional Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	SDM	26	0	MCS11	0.72	-0.35	3.23	4.11	7.34	10.0	-2.66
	5200	40	ax (20MHz)	SDM	26	0	MCS11	0.90	-0.40	3.31	4.11	7.42	10.0	-2.58
	5240	48	ax (20MHz)	SDM	26	0	MCS11	0.82	-0.40	3.26	4.11	7.37	10.0	-2.63
	5190	38	ax (40MHz)	SDM	26	0	MCS11	0.10	-0.31	2.91	4.11	7.02	10.0	-2.98
	5230	46	ax (40MHz)	SDM	26	8	MCS11	-0.22	-0.69	2.56	4.11	6.68	10.0	-3.32
	5210	42	ax (80MHz)	SDM	26	36	MCS11	-0.13	-1.80	2.12	4.11	6.24	10.0	-3.76

Table 7-54. ISED Band 1 e.i.r.p. Power Spectral Density Measurements SDM (RU26)

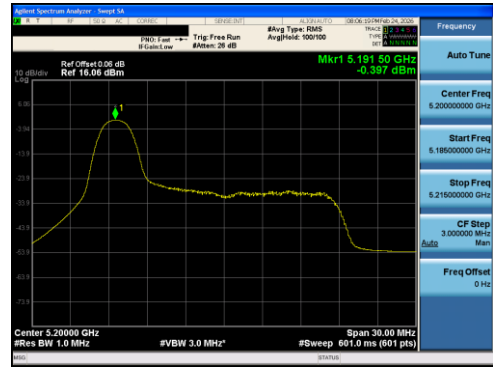
	Frequency [MHz]	Channel	802.11 MODE	Mode	RU Size	RU Index	Data Rate	Antenna 0 Measured Power Density [dBm/MHz]	Antenna 1 Measured Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directional Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	SDM	242	61	MCS11	0.30	-0.69	2.84	4.11	6.95	10.0	-3.05
	5200	40	ax (20MHz)	SDM	242	61	MCS11	0.30	-1.24	2.61	4.11	6.72	10.0	-3.28
	5240	48	ax (20MHz)	SDM	242	61	MCS11	0.58	-0.81	2.95	4.11	7.06	10.0	-2.94
	5190	38	ax (40MHz)	SDM	484	65	MCS11	-3.35	-4.20	-0.75	4.11	3.36	10.0	-6.64
	5230	46	ax (40MHz)	CDD	484	65	MCS11	-1.11	-2.25	1.37	7.12	8.49	10.0	-1.51
	5210	42	ax (80MHz)	CDD	996	67	MCS11	-8.86	-9.54	-6.18	7.12	0.95	10.0	-9.05

Table 7-55. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM (Fully-loaded RU)

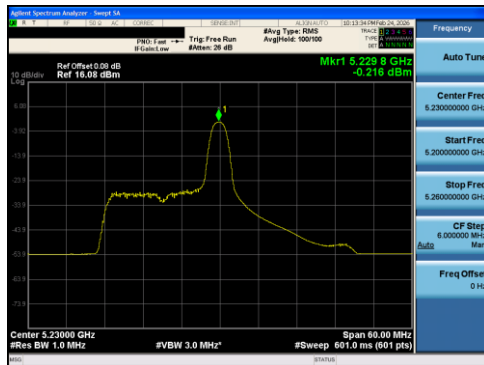
FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
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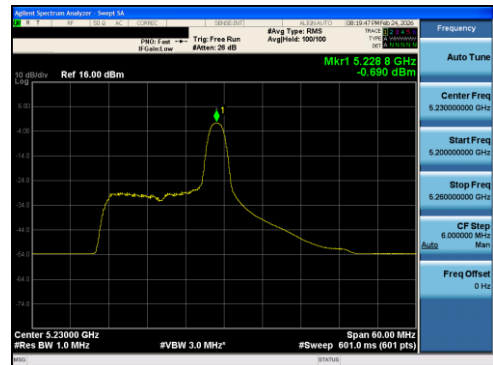
Plot 7-85 PSD SDM Antenna 0 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.40)



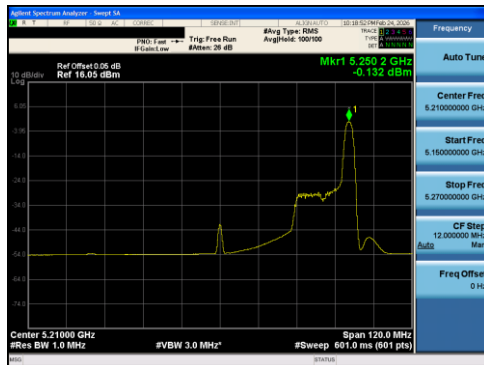
Plot 7-88 PSD SDM Antenna 1 (20MHz BW 802.11ax(RU) RU26 Index0 - Ch.40)



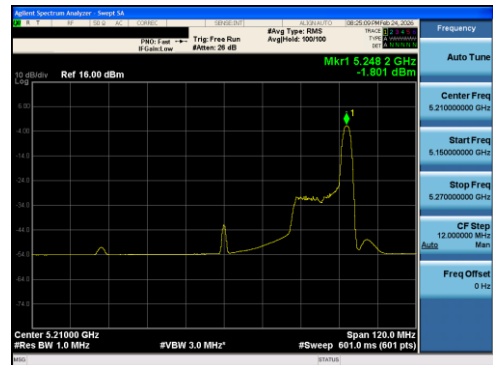
Plot 7-86 PSD SDM Antenna 0 (40MHz BW 802.11ax(RU) RU26 Index8 - Ch.46)



Plot 7-89 PSD SDM Antenna 1 (40MHz BW 802.11ax(RU) RU26 Index8 - Ch.46)



Plot 7-87 PSD SDM Antenna 0 (80MHz BW 802.11ax(RU) RU26 Index36 - Ch.42)



Plot 7-90 PSD SDM Antenna 1 (80MHz BW 802.11ax(RU) RU26 Index36 - Ch.42)

FCC ID: BCGA3374 IC: 579C-A3374		Test Dates: 05/15/2025 - 3/18/2026	EUT Type: Smart Speaker	Approved by: Technical Manager
Test Report S/N: 1C2505300067-08-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 160