**MEASUREMENT REPORT****FCC PART 15.407 / ISED RSS-247 UNII 802.11a/n/ac/ax(SU)****Applicant Name:**

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

Date of Testing:

10/25/2024 - 1/30/2025

Test Report Issue Date:

1/30/2025

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2410210077-20.BCG

FCC ID:

BCGA3355

IC:

579C-A3355

APPLICANT:

Apple Inc.

Application Type:

Certification

Model/HVIN:

A3355, A3356

EUT Type:

Tablet Device

Frequency Range:

5180 – 5825MHz

Modulation Type:

OFDM

FCC Classification:

Unlicensed National Information Infrastructure (UNII)

FCC Rule Part(s):

Part 15 Subpart E (15.407)

ISED Specification:

RSS-247 Issue 3

Test Procedure(s):

ANSI C63.10-2020, 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 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: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 1 of 249

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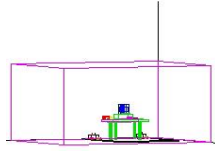
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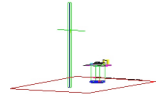
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MEASUREMENT REPORT



UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO						CDD/SDM Primary		CDD/SDM Diversity	
				Antenna 3c		Antenna 3a		Antenna 1b		Summed		Summed	
				Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)
1	20	802.11a/n	5180 - 5240	94.842	19.77	99.770	19.99	77.090	18.87	98.175	19.92	86.298	19.36
2A		802.11a/n	5260 - 5320	95.280	19.79	97.724	19.90	78.705	18.96	98.401	19.93	88.512	19.47
2C		802.11a/n	5500 - 5720	97.724	19.90	98.628	19.94	77.446	18.89	99.083	19.96	88.512	19.47
3		802.11a/n	5745 - 5825	109.396	20.39	111.429	20.47	87.902	19.44	218.776	23.40	196.336	22.93
1	40	802.11n	5190 - 5230	83.753	19.23	84.333	19.26	66.222	18.21	171.396	22.34	154.525	21.89
2A		802.11n	5270 - 5310	87.902	19.44	83.368	19.21	66.681	18.24	164.816	22.17	148.594	21.72
2C		802.11n	5510 - 5710	88.105	19.45	85.704	19.33	70.146	18.46	171.002	22.33	155.597	21.92
3		802.11n	5755 - 5795	84.333	19.26	87.902	19.44	69.343	18.41	168.267	22.26	152.405	21.83
1	80	802.11ac	5210	33.343	15.23	31.623	15.00	26.303	14.20	48.306	16.84	43.652	16.40
2A		802.11ac	5290	19.770	12.96	19.815	12.97	15.524	11.91	35.156	15.46	31.769	15.02
2C		802.11ac	5530 - 5690	98.175	19.92	95.280	19.79	73.451	18.66	184.077	22.65	167.109	22.23
3		802.11ac	5775	76.736	18.85	74.817	18.74	60.534	17.82	119.399	20.77	107.399	20.31
1	20	802.11ax (SU)	5180 - 5240	97.051	19.87	97.051	19.87	78.163	18.93	97.499	19.89	87.700	19.43
2A		802.11ax (SU)	5260 - 5320	93.972	19.73	97.499	19.89	75.858	18.80	96.605	19.85	87.297	19.41
2C		802.11ax (SU)	5500 - 5720	99.770	19.99	96.828	19.86	79.433	19.00	97.724	19.90	87.297	19.41
3		802.11ax (SU)	5745 - 5825	108.393	20.35	108.643	20.36	88.716	19.48	216.770	23.36	197.242	22.95
1	40	802.11ax (SU)	5190 - 5230	84.528	19.27	85.507	19.32	66.527	18.23	159.956	22.04	145.546	21.63
2A		802.11ax (SU)	5270 - 5310	87.096	19.40	83.946	19.24	67.143	18.27	167.880	22.25	151.705	21.81
2C		802.11ax (SU)	5510 - 5710	88.105	19.45	87.096	19.40	69.024	18.39	170.216	22.31	154.882	21.90
3		802.11ax (SU)	5755 - 5795	88.512	19.47	89.125	19.50	66.374	18.22	173.780	22.40	153.815	21.87
1	80	802.11ax (SU)	5210	27.542	14.40	26.607	14.25	21.979	13.42	43.752	16.41	38.459	15.85
2A		802.11ax (SU)	5290	18.197	12.60	18.707	12.72	13.740	11.38	26.853	14.29	24.774	13.94
2C		802.11ax (SU)	5530 - 5690	97.724	19.90	91.833	19.63	74.302	18.71	194.089	22.88	171.002	22.33
3		802.11ax (SU)	5775	61.660	17.90	64.863	18.12	51.168	17.09	103.753	20.16	92.897	19.68

FCC EUT Overview

UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO						CDD/SDM Primary		CDD/SDM Diversity	
				Antenna 3c		Antenna 3a		Antenna 1b		Summed		Summed	
				Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)	Max. Power (mW)	Max. Power (dBm)
1	20	802.11a/n	5180 - 5240	43.451	16.38	44.463	16.48	38.994	15.91	55.208	17.42	49.204	16.92
2A		802.11a/n	5260 - 5320	95.280	19.79	97.724	19.90	78.705	18.96	98.401	19.93	88.512	19.47
2C		802.11a/n	5500 - 5700	97.724	19.90	98.628	19.94	77.446	18.89	98.855	19.95	88.512	19.47
3		802.11a/n	5745 - 5825	109.396	20.39	111.429	20.47	87.902	19.44	218.776	23.40	196.336	22.93
1	40	802.11n	5190 - 5230	75.858	18.80	75.162	18.76	57.943	17.63	85.507	19.32	94.189	19.74
2A		802.11n	5270 - 5310	87.902	19.44	83.368	19.21	66.681	18.24	164.816	22.17	148.594	21.72
2C		802.11n	5510 - 5670	88.105	19.45	83.368	19.21	70.146	18.46	146.218	21.65	133.968	21.27
3		802.11n	5755 - 5795	84.333	19.26	87.902	19.44	69.343	18.41	168.267	22.26	152.405	21.83
1	80	802.11ac	5210	31.769	15.02	31.696	15.01	25.704	14.10	47.534	16.77	42.855	16.32
2A		802.11ac	5290	19.770	12.96	19.815	12.97	15.524	11.91	35.156	15.46	31.769	15.02
2C		802.11ac	5530 - 5610	26.485	14.23	26.546	14.24	22.029	13.43	37.670	15.76	34.198	15.34
3		802.11ac	5775	76.736	18.85	74.817	18.74	60.534	17.82	119.399	20.77	107.399	20.31
1	20	802.11ax (SU)	5180 - 5240	44.463	16.48	43.152	16.35	34.198	15.34	55.719	17.46	49.659	16.96
2A		802.11ax (SU)	5260 - 5320	93.972	19.73	97.499	19.89	75.858	18.80	96.605	19.85	87.297	19.41
2C		802.11ax (SU)	5500 - 5700	99.770	19.99	96.828	19.86	79.433	19.00	96.828	19.86	87.297	19.41
3		802.11ax (SU)	5745 - 5825	108.393	20.35	108.643	20.36	88.716	19.48	216.770	23.36	197.242	22.95
1	40	802.11ax (SU)	5190 - 5230	86.696	19.38	86.497	19.37	64.714	18.11	106.660	20.28	96.383	19.84
2A		802.11ax (SU)	5270 - 5310	87.096	19.40	83.946	19.24	67.143	18.27	167.880	22.25	151.705	21.81
2C		802.11ax (SU)	5510 - 5670	75.858	18.80	76.033	18.81	59.429	17.74	121.339	20.84	111.173	20.46
3		802.11ax (SU)	5755 - 5795	88.512	19.47	89.125	19.50	66.374	18.22	173.780	22.40	153.815	21.87
1	80	802.11ax (SU)	5210	24.946	13.97	24.660	13.92	21.330	13.29	43.954	16.43	38.548	15.86
2A		802.11ax (SU)	5290	18.197	12.60	18.707	12.72	13.740	11.38	26.853	14.29	24.774	13.94
2C		802.11ax (SU)	5530 - 5610	23.823	13.77	24.155	13.83	19.055	12.80	31.623	15.00	28.510	14.55
3		802.11ax (SU)	5775	61.660	17.90	64.863	18.12	51.168	17.09	103.753	20.16	92.897	19.68

ISED EUT Overview

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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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 Tablet Device FCC ID: BCGA3355** and **IC: 579C-A3355**. The test data contained in this report pertains only to the emissions due to the EUT's UNII 802.11a/n/ac/ax(SU) transmitter.

Test Device Serial No.: C2X2G3NXNP, HCR6Q0VMD4, F32954TTVM, H9HHAF0008U0000VYQ

2.2 Device Capabilities

This device contains the following capabilities:

850/1700/1900 WCDMA/HSPA, Multi-band LTE, 5G NR (FR1), 802.11b/g/n/ax WLAN, 802.11a/n/ac/ax UNII, Bluetooth (1x, EDR, LE1M, LE2M, HDR4, HDR8)

This device supports BT Beamforming

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 / 802.11n / 802.11ac / 802.11ax (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 / 802.11ac / 802.11ax (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 / 802.11ax (80MHz BW) Frequency / Channel Operations

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Notes:

1. TDWR channels are not supported for ISED.
2. 5GHz NII operation is possible in 20MHz, and 40MHz, and 80MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = peak per the guidance of Section B)2)b) KDB 789033 D02 v02r01 and ANSI C63.10-2020. 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:

Measured Duty Cycles						
802.11 Mode/Band		Duty Cycle [%]				
		Antenna 3c	Antenna 3a	Antenna 1b	CDD/SDM (Primary)	CDD/SDM (Diversity)
5GHz	a (Low Rate)	97.34	97.34	97.34	97.66	97.66
	a (Mid Rate)	95.30	95.30	95.30	95.50	95.50
	a (High Rate)	91.39	91.39	91.39	91.64	91.64
	n (HT20) (Low Rate)	96.38	96.38	96.38	94.04	94.04
	n (HT20) (Mid Rate)	93.80	93.80	93.80	89.87	89.87
	n (HT20) (High Rate)	91.01	91.01	91.01	86.26	86.26
	ax(SU) (HT20 Low Rate)	95.70	95.70	95.70	95.74	95.74
	ax(SU) (HT20 Mid Rate)	92.73	92.73	92.73	92.73	92.73
	ax(SU) (HT20 High Rate)	86.90	86.90	86.90	85.64	85.64
	n (HT40 Low Rate)	95.94	95.94	95.94	93.61	93.61
	n (HT40 Mid Rate)	93.95	93.95	93.95	88.84	88.84
	n (HT40 High Rate)	90.89	90.89	90.89	85.86	85.86
	ax(SU) (HT40 Low Rate)	95.30	95.30	95.30	95.19	95.19
	ax(SU) (HT40 Mid Rate)	92.43	92.43	92.43	92.36	92.36
	ax(SU) (HT40 High Rate)	86.84	86.84	86.84	85.78	85.78
	ac (HT80 Low Rate)	95.10	95.10	95.10	95.10	95.10
	ac (HT80 Mid Rate)	91.77	91.77	91.77	92.13	92.13
	ac (HT80 High Rate)	85.00	85.00	85.00	85.78	85.78
	ax(SU) (HT80 Low Rate)	95.59	95.59	95.59	92.79	92.79
	ax(SU) (HT80 Mid Rate)	92.70	92.70	92.70	88.76	88.76
	ax(SU) (HT80 High Rate)	87.76	87.76	87.76	81.51	81.51

Table 2-4. Measured Duty Cycles

CDD/SDM Primary = Antenna 3c + Antenna 3a
CDD/SDM Diversity = Antenna 3c + Antenna 1b

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

WiFi Configurations		SISO			CDD			SDM			STBC		
		Antenna 3c	Antenna 3a	Antenna 1b	Antenna 3c	Antenna 3a	Antenna 1b	Antenna 3c	Antenna 3a	Antenna 1b	Antenna 3c	Antenna 3a	Antenna 3a
5GHz	11a	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗
	11n (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11n (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ac (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 2-5. WIFI Configurations

✓ = Support ; ✗ = NOT Support

SISO = Single Input Single Output

SDM = Spatial Diversity Multiplexing – MIMO function

CDD = Cyclic Delay Diversity - 2Tx Function

STBC = Space-Time Block Coding – 2Tx Function

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

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

Table 2-6. Supported Data Rates

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5. 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	WLAN	WIFI 5GHz	LTE / FR1 NR		
		BDR, EDR, HDR4/8, LE1/2M	802.11 b/g/n/ax	802.11 a/n/ac/ax	LB	MB/HB	Ultra High Band
Ant 3a	Config 1	✓	✗	✓	✗	✓	✗
Ant 3a	Config 2	✓	✗	✓	✗	✗	✗
Ant 3a	Config 3	✗	✓	✗	✗	✓	✗
Ant 1a	Config 4	✓	✗	✗	✗	✗	✓
Ant 1a	Config 5	✗	✓	✗	✗	✗	✓
Ant 1b	Config 6	✗	✗	✓	✗	✓	✗

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.

Specific 2.4 GHz Wi-Fi antenna that can only transmit simultaneously with 2.4 GHz Bluetooth antenna is listed in the SAR test report. For BT (2.4 GHz), in both connected and disconnected modes, and Wi-Fi (2.4 GHz) – Wi-Fi max power will not exceed minimum of (13.5dBm, SAR max cap, Reg max cap) power. Bluetooth can simultaneously transmit with IEEE 802.11a/n/ac/ax 5 GHz on separate antenna.

2.3 Antenna Description

Following antenna gains provided by manufacturer were used for the testing.

Frequency [GHz]	Antenna Gain (dBi)		
	Antenna 3c	Antenna 3a	Antenna 1b
5.150 – 5.250	2.3	-0.1	-1.6
5.250 – 5.350	2.1	1.6	-1.4
5.470 – 5.725	3.9	0.3	-0.8
5.725 – 5.850	3.1	-0.5	-1.4

Table 2-8. Highest Antenna Gain

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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:	Spartan	S/N:	GXK1336018XKTR024
	USB-C Cable	Model:	A246C	S/N:	DWH80115BK826GV19
3	w/ AC Adapter	Model:	A2305	S/N:	C4H95160004PF4F4V
	DC Power Supply	Model:	KPS3010D	S/N:	N/A

Table 2-9. Test Support Equipment List

2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.10-2020 and KDB 789033 D02 v02r01. ANSI C63.10-2020 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.

There are two vendors of the WiFi/Bluetooth radio modules, variant 1 and variant 2. Both radio modules have the same mechanical outline, same on-board antenna matching circuit, identical antenna structure, and are built and tested to conform to the same specifications and to operate within the same tolerances. The worst case configuration was found between the two variants. The EUT was also investigated with and without charger.

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.

The EUT was manipulated through three orthogonal planes of X-orientation (flatbed), Y-orientation (landscape), and Z-orientation (portrait) 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 with wire charger
- EUT powered by host PC via USB-C cable with wire charger

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

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

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

For 802.11ax (OFDMA) test result, see separate UNII 802.11ax (OFDMA) report, 1C2410210077-21-R1.BCG.

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

Description	LTE (Band 41)	Bluetooth	802.11n 5GHz
Antenna	Antenna 3a	Antenna 3a	Antenna 3a
Channel	40630	79	36
Operating Frequency (MHz)	2595	2480	5180
Mode/Modulation	QPSK/1RB/20MHz	GFSK ePA	802.11n

Table 2-10. Worst Case Simultaneous Transmission Configuration

2.6 Software and Firmware

The test was conducted with firmware version 22D8 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) 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, 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 three orthogonal planes 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	2.07
Line Conducted Disturbance	1.91
Radiated Disturbance (<30MHz)	4.12
Radiated Disturbance (30MHz - 1GHz)	4.85
Radiated Disturbance (1 - 18GHz)	5.08
Radiated Disturbance (>18GHz)	5.22

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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
Anritsu	ML2495A	Power Meter	7/8/2024	Annual	7/8/2025	1039008
Anritsu	MA2411B	Pulse Power Sensor	7/1/2024	Annual	7/1/2025	1911105
Anritsu	MA2411B	Pulse Power Sensor	10/21/2024	Annual	10/21/2025	1027293
ATM	180-442A-KF	20dB Nominal Gain Horn Antenna	3/14/2024	Annual	3/14/2025	T058701-01
ETS-Lindgren	3117	Double Ridged Guide Antenna (1-18 GHz)	4/9/2024	Annual	4/9/2025	00218555
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz RF Cable/Attenuator *	6/10/2024	Annual	6/10/2025	-
Keysight Technology	N9040B	UXA Signal Analyzer	5/28/2024	Annual	5/28/2025	MY57212015
Keysight Technology	N9030A	PXA Signal Analyzer	7/11/2024	Annual	7/11/2025	MY49430244
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/21/2024	Annual	10/21/2025	187423
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	3/1/2024	Annual	3/1/2025	102145
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/14/2024	Annual	8/14/2025	101648
Rohde & Schwarz	FSV40	Signal Analyzer (10Hz-40GHz)	5/29/2024	Annual	5/29/2025	101619
Rohde & Schwarz	ESW44	EMI Test Receiver	5/1/2024	Annual	5/1/2025	101867
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	7/3/2024	Annual	7/3/2025	102356
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	6/10/2024	Annual	6/10/2025	100057
Rohde & Schwarz	HFH2-Z2	Loop Antenna	6/21/2024	Annual	6/21/2025	100519
Rohde & Schwarz	ENV216	Two-Line V-Network	4/24/2024	Annual	4/24/2025	101364
Schwarzbeck	VULB 9162	Bilog Antenna (30MHz - 6GHz)	4/29/2024	Annual	4/29/2025	00304

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: BCGA3355
IC: 579C-A3355
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 [6.7]	26dB Bandwidth	N/A	CONDUCTED	N/A	Section 7.2
15.407(e)	RSS-Gen [6.7]	6dB Bandwidth	>500kHz(5725-5850MHz)		PASS	Section 7.3
2.1049	RSS-Gen [6.7]	Occupied Bandwidth	N/A		PASS	Section 7.2, Section 7.3
15.407 (a.1.iv), (a.2), (a.3.i)	RSS-247 [6.2]	Maximum Conducted Output Power	Maximum conducted powers must meet the limits detailed in 15.407 (a) (RSS-247 [6.2])		PASS	Section 7.4
15.407 (a.1.iv), (a.2), (a.3.i)	RSS-247 [6.2]	Maximum Power Spectral Density	Maximum power spectral density must meet the limits detailed in 15.407 (a) (RSS-247 [6.2])		PASS	Section 7.5
15.407(h)	RSS-247 [6.3]	Dynamic Frequency Selection	See DFS Test Report	RADIATED	PASS	See DFS Test Report (1C24102100 77-19.BCG)
15.407(b.1), (b.2), (b.3), (b.4)	RSS-247 [6.2]	Undesirable Emissions	Undesirable emissions must meet the limits detailed in 15.407(b) (RSS-247 [6.2])		PASS	Section 7.6
15.205, 15.407(b.1), (b.2), (b.3), (b.4)	RSS-Gen [8.9]	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 [8.9])		PASS	Section 7.6, Section 7.7
15.207	RSS-Gen [8.8]	AC Conducted Emissions 150kHz – 30MHz	< FCC 15.207 (RSS-Gen [8.8]) limits	LINE CONDUCTED	PASS	Section 7.8

Table 7-1. Summary of Test Results

Notes:

- 1) All channels, modes, and modulations/data rates were investigated among all UNII bands. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.
- 4) For conducted spurious emissions, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Conducted Automation,” Version 1.1.1.
- 5) For radiated testing, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Chamber Automation,” Version 3.1.0.

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7.2 26dB & 99% Bandwidth Measurement

§2.1049; §15.407; RSS-Gen [6.7]

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 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 26dB bandwidth is used to determine the conducted power limits for FCC.

The 99% occupied bandwidth is used to determine the conducted power limits for ISED.

Test Procedure Used

ANSI C63.10-2020 – Section 12.5.2

KDB 789033 D02 v02r01 – Section C

Test Settings

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

Test Setup

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



Figure 7-1. Test Instrument & Measurement Setup

Test Notes

1. All data rates have been investigated, with tabular data reported for the worst-case data rate. A plot of the mid channel per bandwidth has been included in the report as a representative reference.

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7.2.1 Antenna 3c 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	n (20MHz)	39/43.3 (MCS4)	17.75	21.06
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	17.74	20.66
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	17.73	20.66
	5180	36	ax (SU) (20MHz)	49/51.6 (MCS4)	18.91	20.48
	5200	40	ax (SU) (20MHz)	24/25.8 (MCS2)	18.89	20.76
	5240	48	ax (SU) (20MHz)	24/25.8 (MCS2)	18.92	20.89
	5190	38	n (40MHz)	81/90 (MCS4)	36.26	41.00
	5230	46	n (40MHz)	40/40.5 (MCS2)	36.25	40.80
	5190	38	ax (SU) (40MHz)	271/286 (MCS11)	37.83	40.93
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	37.97	41.06
	5210	42	ac (80MHz)	175.5/195 (MCS4)	75.34	80.82
	5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	77.01	81.64
Band 2A	5260	52	n (20MHz)	39/43.3 (MCS4)	17.76	20.80
	5300	60	n (20MHz)	39/43.3 (MCS4)	17.68	20.72
	5320	64	n (20MHz)	65/72.2 (MCS7)	17.80	20.91
	5260	52	ax (SU) (20MHz)	49/51.6 (MCS4)	18.93	20.84
	5300	60	ax (SU) (20MHz)	49/51.6 (MCS4)	18.97	20.85
	5320	64	ax (SU) (20MHz)	49/51.6 (MCS4)	18.95	20.81
	5270	54	n (40MHz)	40/40.5 (MCS2)	36.26	40.75
	5310	62	n (40MHz)	81/90 (MCS4)	36.24	40.68
	5270	54	ax (SU) (40MHz)	49/51.6 (MCS2)	37.92	41.17
	5310	62	ax (SU) (40MHz)	271/286 (MCS11)	37.83	41.07
	5290	58	ac (80MHz)	175.5/195 (MCS4)	75.42	81.40
	5290	58	ax (SU) (80MHz)	204/216.2 (MCS4)	77.30	81.42
Band 2C	5500	100	n (20MHz)	39/43.3 (MCS4)	17.75	20.71
	5580	116	n (20MHz)	39/43.3 (MCS4)	17.72	20.57
	5720	144	n (20MHz)	19.5/21.7 (MCS2)	17.68	20.80
	5500	100	ax (SU) (20MHz)	49/51.6 (MCS4)	18.97	20.72
	5580	116	ax (SU) (20MHz)	49/51.6 (MCS4)	18.90	20.88
	5720	144	ax (SU) (20MHz)	49/51.6 (MCS4)	18.91	20.67
	5510	102	n (40MHz)	81/90 (MCS4)	36.39	40.92
	5550	110	n (40MHz)	81/90 (MCS4)	36.22	40.86
	5710	142	n (40MHz)	81/90 (MCS4)	36.30	40.44
	5510	102	ax (SU) (40MHz)	271/286 (MCS11)	37.85	41.07
	5550	110	ax (SU) (40MHz)	49/51.6 (MCS2)	37.88	41.09
	5710	142	ax (SU) (40MHz)	98/103.2 (MCS4)	37.91	41.30
	5530	106	ac (80MHz)	175.5/195 (MCS4)	75.50	81.05
	*5610	122	ac (80MHz)	175.5/195 (MCS4)	75.49	80.69
	5690	138	ac (80MHz)	87.8/97.5 (MCS2)	75.22	80.44
	5530	106	ax (SU) (80MHz)	567/600.5 (MCS11)	77.02	81.48
	*5610	122	ax (SU) (80MHz)	567/600.5 (MCS11)	77.04	81.22
	5690	138	ax (SU) (80MHz)	567/600.5 (MCS11)	77.14	81.17

Table 7-2. Conducted Bandwidth Measurements Antenna 3c

*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

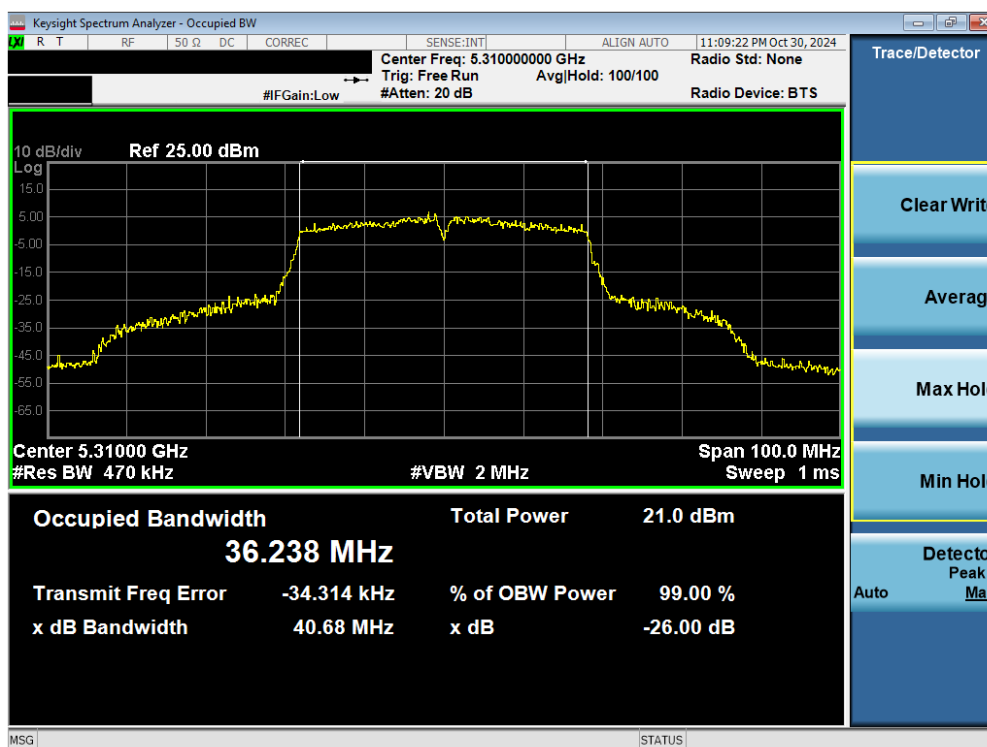
FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1. 26dB BW & 99% OBW Antenna 3c (20MHz BW 802.11n – Ch. 40)

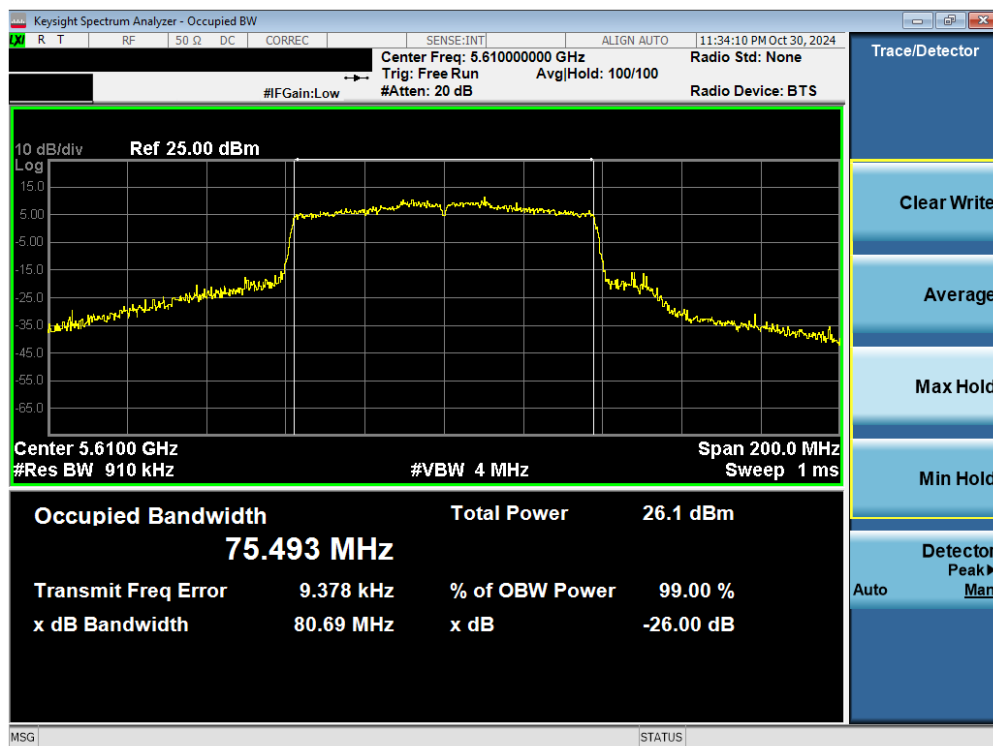


Plot 7-2. 26dB BW & 99% OBW Antenna 3c (40MHz BW 802.11n – Ch. 62)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 19 of 249

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Plot 7-3. 26dB BW & 99% OBW Antenna 3c (80MHz BW 802.11ac – Ch. 122)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.2.2 Antenna 3a 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	n (20MHz)	65/72.2 (MCS7)	17.85	20.79
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	17.79	20.86
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	17.74	20.79
	5180	36	ax (SU) (20MHz)	49/51.6 (MCS4)	18.93	20.90
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	18.92	20.87
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	18.91	20.72
	5190	38	n (40MHz)	81/90 (MCS4)	36.40	41.19
	5230	46	n (40MHz)	40/40.5 (MCS2)	36.36	41.29
	5190	38	ax (SU) (40MHz)	271/286 (MCS11)	37.90	41.29
	5230	46	ax (SU) (40MHz)	49/51.6 (MCS2)	37.93	41.35
	5210	42	ac (80MHz)	175.5/195 (MCS4)	75.39	81.09
	5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	77.15	81.59
Band 2A	5260	52	n (20MHz)	39/43.3 (MCS4)	17.72	20.74
	5300	60	n (20MHz)	39/43.3 (MCS4)	17.75	20.73
	5320	64	n (20MHz)	65/72.2 (MCS7)	17.84	20.70
	5260	52	ax (SU) (20MHz)	24/25.8 (MCS2)	18.89	20.71
	5300	60	ax (SU) (20MHz)	49/51.6 (MCS4)	18.91	20.60
	5320	64	ax (SU) (20MHz)	49/51.6 (MCS4)	18.94	21.03
	5270	54	n (40MHz)	40/40.5 (MCS2)	36.24	41.19
	5310	62	n (40MHz)	81/90 (MCS4)	36.26	40.68
	5270	54	ax (SU) (40MHz)	49/51.6 (MCS2)	37.88	41.81
	5310	62	ax (SU) (40MHz)	271/286 (MCS11)	37.84	41.03
	5290	58	ac (80MHz)	175.5/195 (MCS4)	75.30	80.35
	5290	58	ax (SU) (80MHz)	567/600.5 (MCS11)	77.11	81.30
Band 2C	5500	100	n (20MHz)	39/43.3 (MCS4)	17.74	20.87
	5580	116	n (20MHz)	19.5/21.7 (MCS2)	17.75	20.79
	5720	144	n (20MHz)	39/43.3 (MCS4)	17.70	20.68
	5500	100	ax (SU) (20MHz)	49/51.6 (MCS4)	18.93	20.91
	5580	116	ax (SU) (20MHz)	49/51.6 (MCS4)	18.92	20.87
	5720	144	ax (SU) (20MHz)	49/51.6 (MCS4)	18.91	20.74
	5510	102	n (40MHz)	135/150 (MCS7)	36.45	40.98
	5550	110	n (40MHz)	81/90 (MCS4)	36.29	40.68
	5710	142	n (40MHz)	40/40.5 (MCS2)	36.20	40.84
	5510	102	ax (SU) (40MHz)	271/286 (MCS11)	37.88	41.08
	5550	110	ax (SU) (40MHz)	271/286 (MCS11)	37.84	41.14
	*5590	118	ax (SU) (40MHz)	49/51.6 (MCS2)	37.93	41.75
	5670	134	ax (SU) (40MHz)	271/286 (MCS11)	37.89	41.06
	5710	142	ax (SU) (40MHz)	98/103.2 (MCS4)	38.01	41.34
	5530	106	ac (80MHz)	175.5/195 (MCS4)	75.42	81.00
	*5610	122	ac (80MHz)	175.5/195 (MCS4)	75.48	81.48
	5690	138	ac (80MHz)	175.5/195 (MCS4)	75.38	81.16
	5530	106	ax (SU) (80MHz)	204/216.2 (MCS4)	77.08	81.74
	*5610	122	ax (SU) (80MHz)	567/600.5 (MCS11)	77.05	81.20
	5690	138	ax (SU) (80MHz)	204/216.2 (MCS4)	77.23	81.26

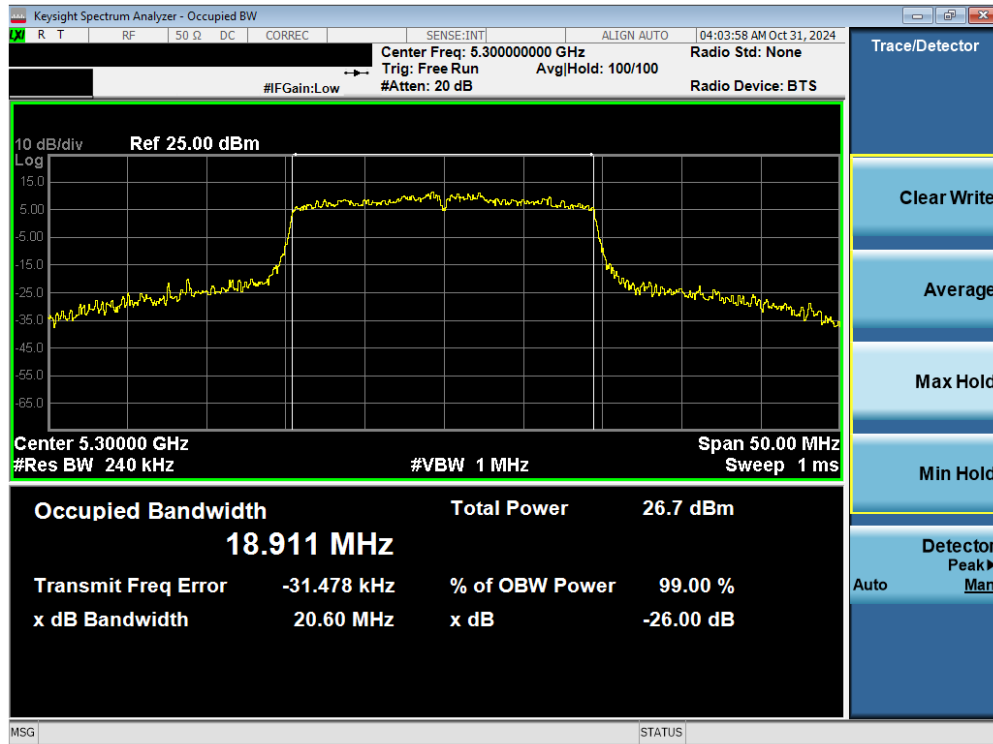
Table 7-3. Conducted Bandwidth Measurements Antenna 3a

*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

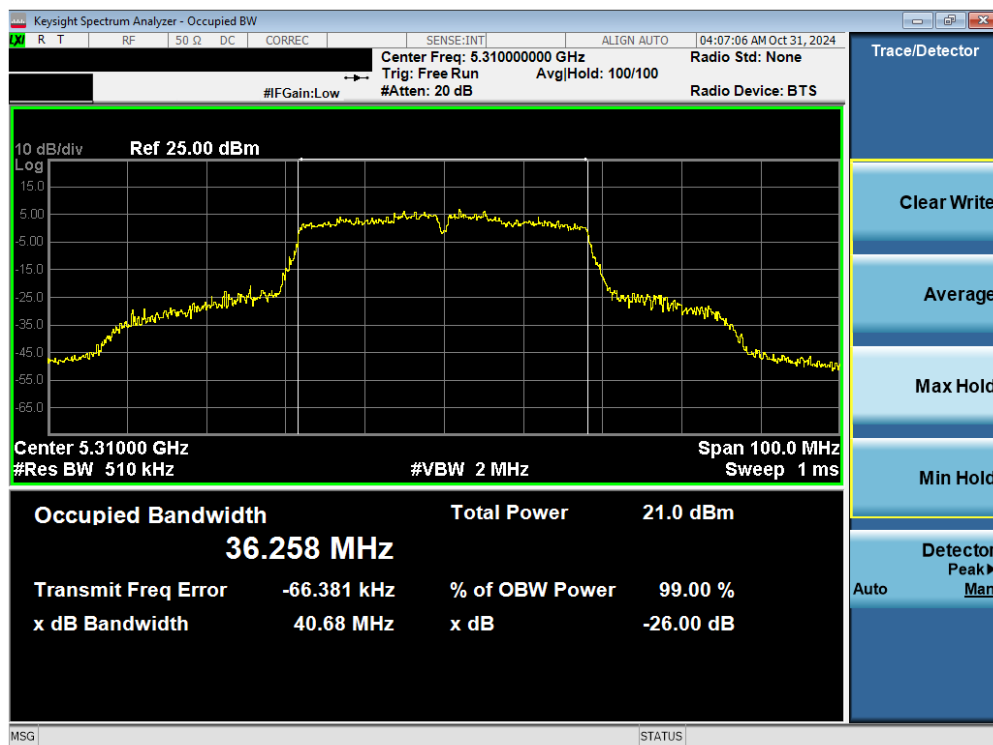
FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 21 of 249

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Plot 7-4. 26dB BW & 99% OBW Antenna 3a (20MHz BW 802.11ax (SU) – Ch. 60)

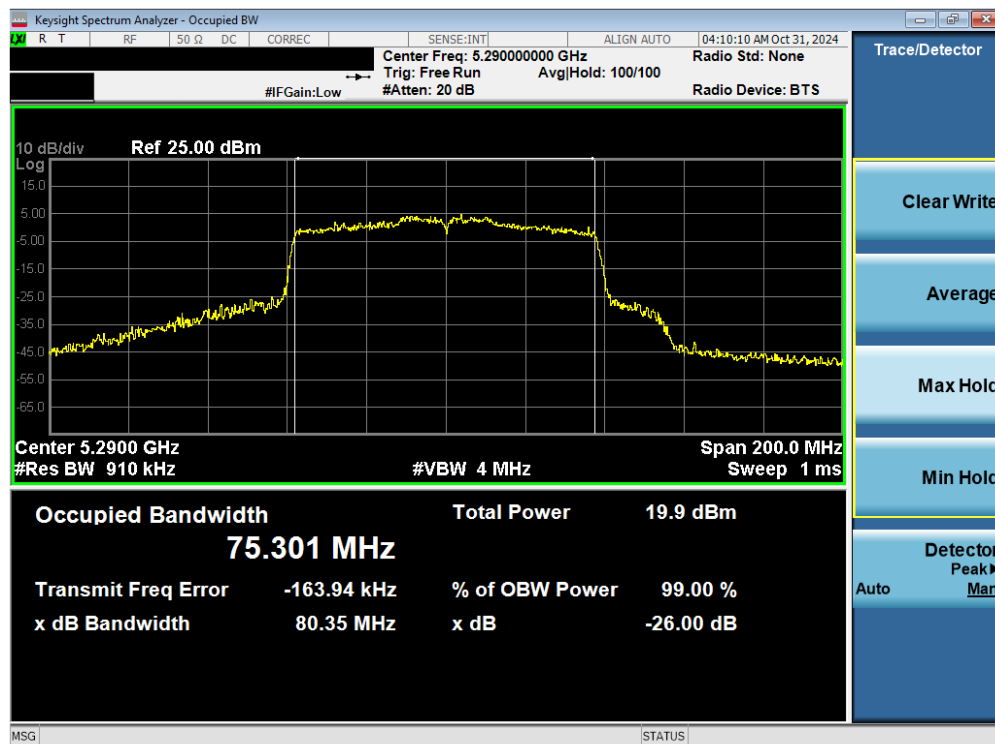


Plot 7-5. 26dB BW & 99% OBW Antenna 3a (40MHz BW 802.11n – Ch. 62)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 22 of 249

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Plot 7-6. 26dB BW & 99% OBW Antenna 3a (80MHz BW 802.11ac – Ch. 58)

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 23 of 249

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7.2.3 Antenna 1b 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	n (20MHz)	39/43.3 (MCS4)	17.75	20.85
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	17.72	20.71
	5240	48	n (20MHz)	39/43.3 (MCS4)	17.75	20.95
	5180	36	ax (SU) (20MHz)	49/51.6 (MCS4)	18.95	20.97
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	18.95	20.96
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	18.89	20.85
	5190	38	n (40MHz)	81/90 (MCS4)	36.25	40.58
	5230	46	n (40MHz)	40/40.5 (MCS2)	36.34	41.17
	5190	38	ax (SU) (40MHz)	271/286 (MCS11)	37.89	40.91
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	38.01	41.10
	5210	42	ac (80MHz)	175.5/195 (MCS4)	75.41	81.24
	5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	77.06	81.02
Band 2A	5260	52	n (20MHz)	19.5/21.7 (MCS2)	17.74	20.61
	5300	60	n (20MHz)	19.5/21.7 (MCS2)	17.73	20.86
	5320	64	n (20MHz)	39/43.3 (MCS4)	17.77	20.82
	5260	52	ax (SU) (20MHz)	49/51.6 (MCS4)	18.88	20.87
	5300	60	ax (SU) (20MHz)	49/51.6 (MCS4)	18.93	20.82
	5320	64	ax (SU) (20MHz)	49/51.6 (MCS4)	18.95	20.77
	5270	54	n (40MHz)	40/40.5 (MCS2)	36.31	40.79
	5310	62	n (40MHz)	81/90 (MCS4)	36.36	40.96
	5270	54	ax (SU) (40MHz)	49/51.6 (MCS2)	37.96	41.57
	5310	62	ax (SU) (40MHz)	271/286 (MCS11)	37.89	40.96
	5290	58	ac (80MHz)	175.5/195 (MCS4)	75.31	80.94
	5290	58	ax (SU) (80MHz)	567/600.5 (MCS11)	77.21	81.21
Band 2C	5500	100	n (20MHz)	65/72.2 (MCS7)	17.80	20.72
	5580	116	n (20MHz)	39/43.3 (MCS4)	17.74	20.98
	5720	144	n (20MHz)	19.5/21.7 (MCS2)	17.75	20.80
	5500	100	ax (SU) (20MHz)	49/51.6 (MCS4)	18.95	20.81
	5580	116	ax (SU) (20MHz)	49/51.6 (MCS4)	18.89	20.70
	5720	144	ax (SU) (20MHz)	24/25.8 (MCS2)	18.93	20.74
	5510	102	n (40MHz)	135/150 (MCS7)	36.44	41.25
	5550	110	n (40MHz)	81/90 (MCS4)	36.27	40.65
	5710	142	n (40MHz)	81/90 (MCS4)	36.42	40.64
	5510	102	ax (SU) (40MHz)	271/286 (MCS11)	37.83	41.08
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS4)	37.86	41.12
	5710	142	ax (SU) (40MHz)	49/51.6 (MCS2)	37.93	41.53
	5530	106	ac (80MHz)	175.5/195 (MCS4)	75.35	80.97
	*5610	122	ac (80MHz)	390/433.3 (MCS9)	75.90	81.92
	5690	138	ac (80MHz)	87.8/97.5 (MCS2)	75.22	81.09
	5530	106	ax (SU) (80MHz)	567/600.5 (MCS11)	77.01	81.42
	*5610	122	ax (SU) (80MHz)	567/600.5 (MCS11)	77.23	81.45
	5690	138	ax (SU) (80MHz)	204/216.2 (MCS4)	77.23	82.38

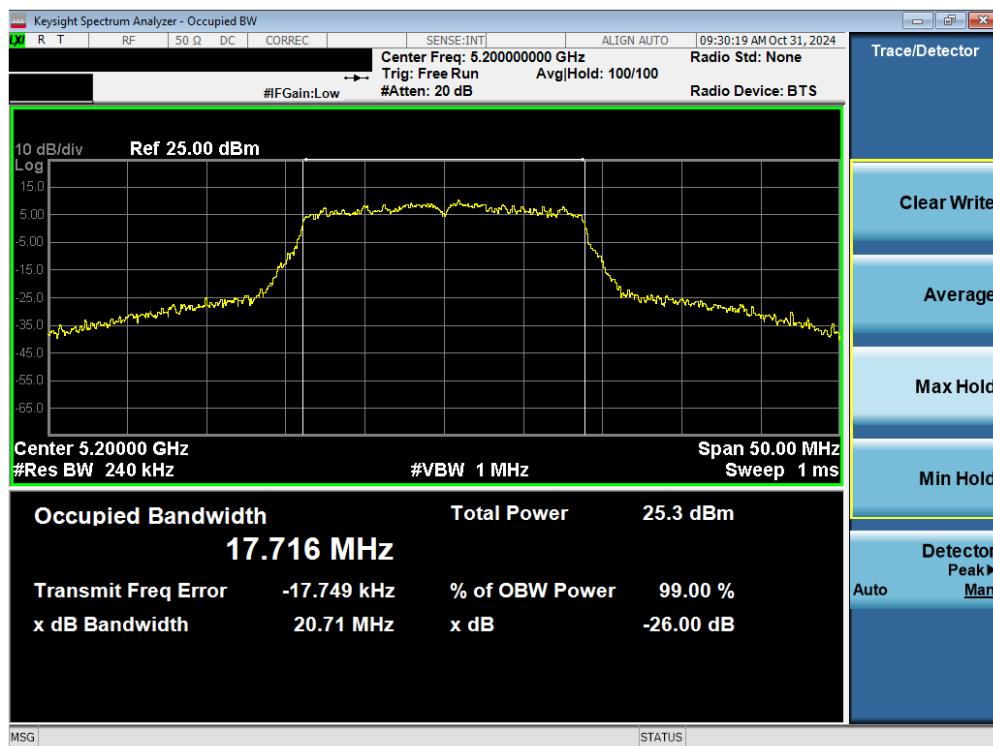
Table 7-4. Conducted Bandwidth Measurements Antenna 1b

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

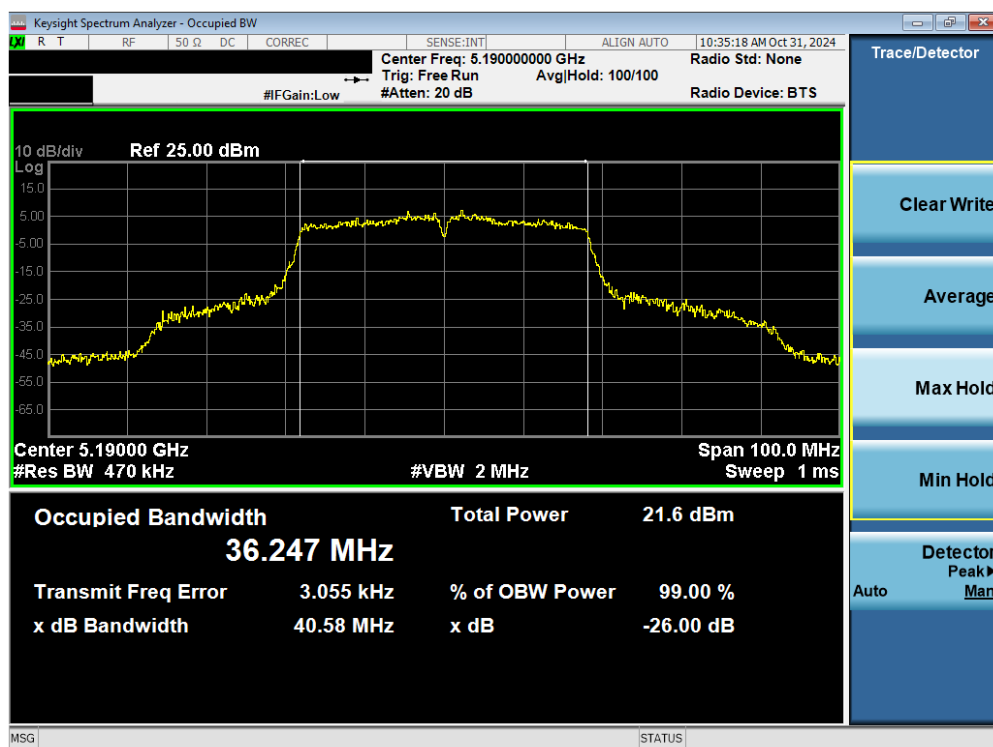
FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-7. 26dB BW & 99% OBW Antenna 1b (20MHz BW 802.11n – Ch. 40)

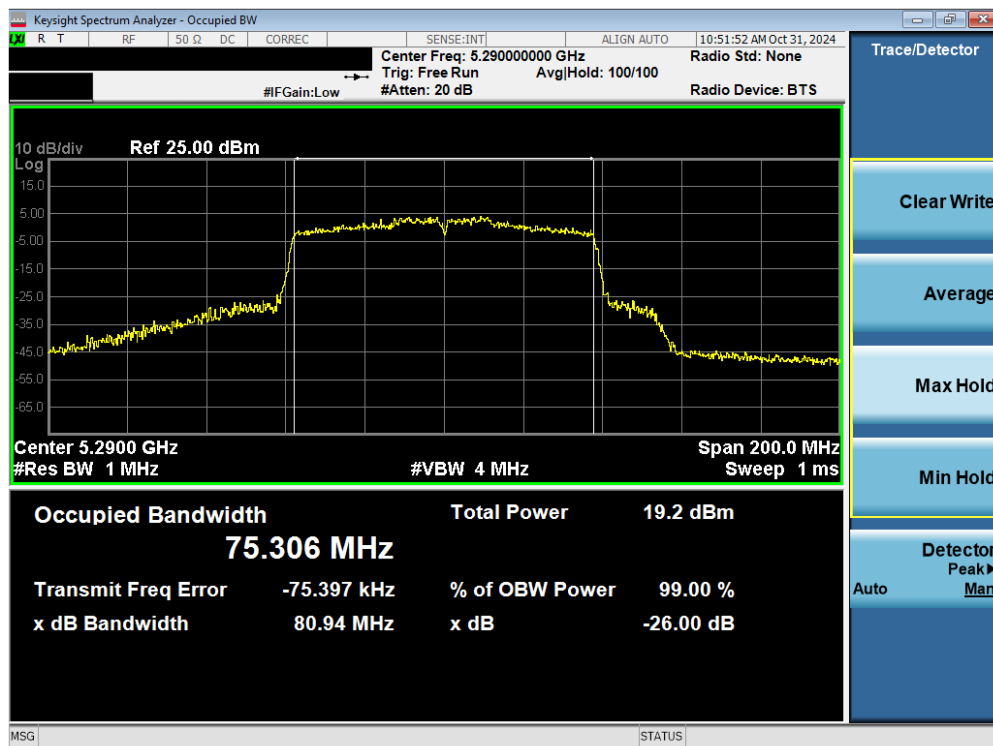


Plot 7-8. 26dB BW & 99% OBW Antenna 1b (40MHz BW 802.11n – Ch. 38)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-9. 26dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ac – Ch. 58)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.3 6dB & 99% Bandwidth Measurement

§2.1049; §15.407 (e); RSS-Gen [6.7]

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 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 – 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 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 = 100 kHz
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

Test Setup

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



Figure 7-2. Test Instrument & Measurement Setup

Test Notes

1. All data rates have been investigated, with tabular data reported for the worst-case data rate. Only the worst case plot was reported per bandwidth which corresponds to the narrowest 6dB bandwidth.

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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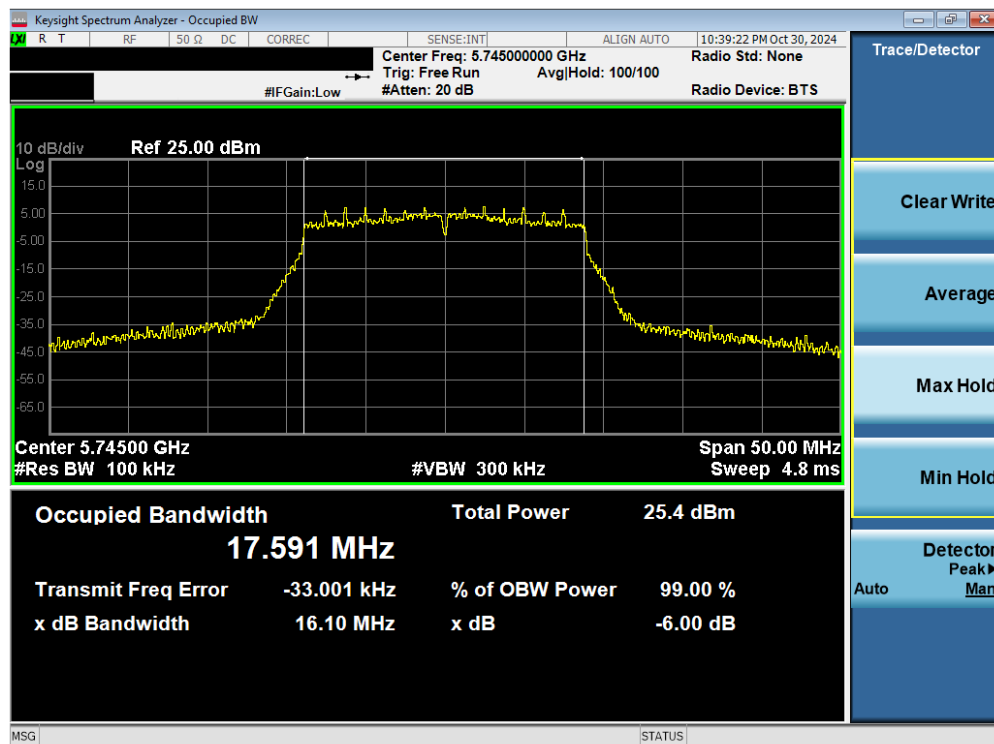
7.3.1 Antenna 3c 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	17.59	16.10	0.50	Pass
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	17.62	16.98	0.50	Pass
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	17.61	17.27	0.50	Pass
	5745	149	ax (SU) (20MHz)	49/51.6 (MCS4)	18.88	18.43	0.50	Pass
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	18.85	18.69	0.50	Pass
	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	18.85	18.78	0.50	Pass
	5755	151	n (40MHz)	40/40.5 (MCS2)	36.00	35.29	0.50	Pass
	5795	159	n (40MHz)	40/40.5 (MCS2)	36.04	35.42	0.50	Pass
	5755	151	ax (SU) (40MHz)	98/103.2 (MCS4)	37.79	38.07	0.50	Pass
	5795	159	ax (SU) (40MHz)	49/51.6 (MCS2)	37.78	38.08	0.50	Pass
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	75.28	75.58	0.50	Pass
	5775	155	ax (SU) (80MHz)	204/216.2 (MCS4)	76.90	77.09	0.50	Pass

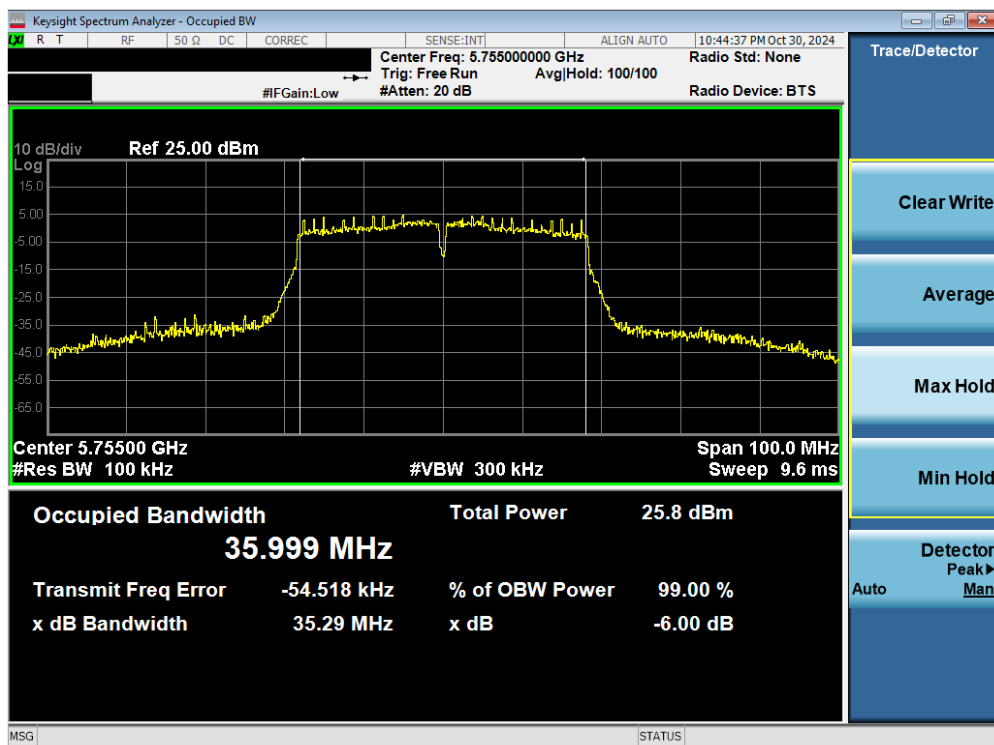
Table 7-5. Conducted Bandwidth Measurements Antenna 3c

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 28 of 249

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Plot 7-10. 6dB BW & 99% OBW Antenna 3c (20MHz BW 802.11n – Ch. 149)

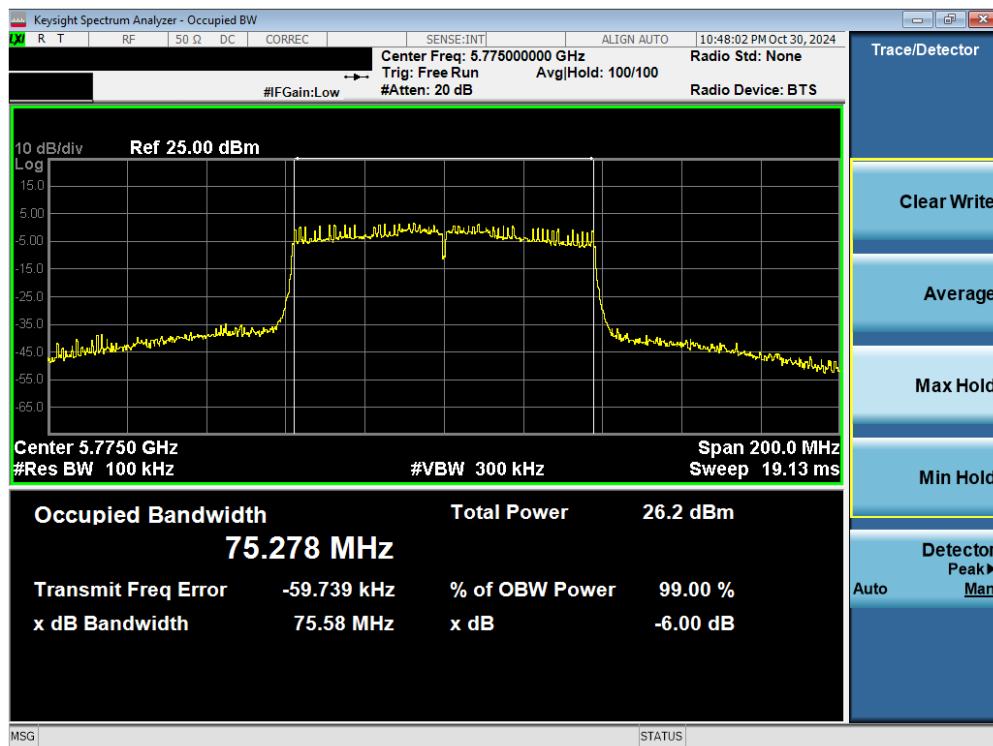


Plot 7-11. 6dB BW & 99% OBW Antenna 3c (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 29 of 249

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Plot 7-12. 6dB BW & 99% OBW Antenna 3c (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 30 of 249

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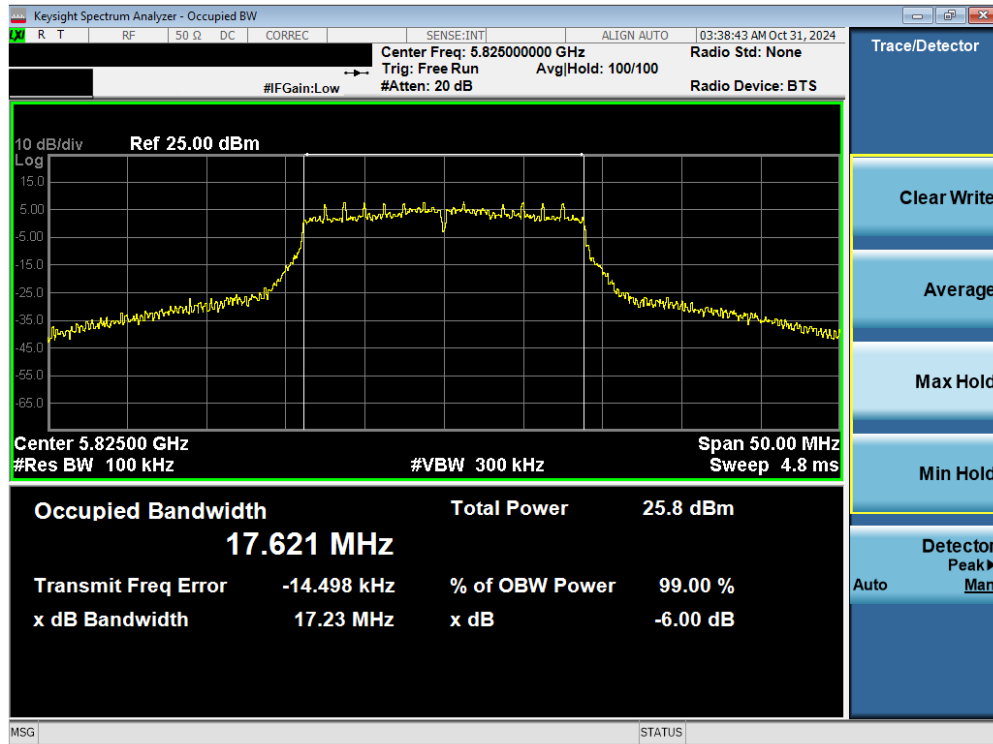
7.3.2 Antenna 3a 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	17.61	17.26	0.50	Pass
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	17.62	17.29	0.50	Pass
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	17.62	17.23	0.50	Pass
	5745	149	ax (SU) (20MHz)	49/51.6 (MCS4)	18.85	18.47	0.50	Pass
	5785	157	ax (SU) (20MHz)	49/51.6 (MCS4)	18.88	18.62	0.50	Pass
	5825	165	ax (SU) (20MHz)	49/51.6 (MCS4)	18.88	18.13	0.50	Pass
	5755	151	n (40MHz)	40/40.5 (MCS2)	36.00	35.32	0.50	Pass
	5795	159	n (40MHz)	40/40.5 (MCS2)	36.05	35.52	0.50	Pass
	5755	151	ax (SU) (40MHz)	49/51.6 (MCS2)	37.73	37.90	0.50	Pass
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	37.85	38.11	0.50	Pass
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	75.29	75.54	0.50	Pass
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	76.95	77.61	0.50	Pass

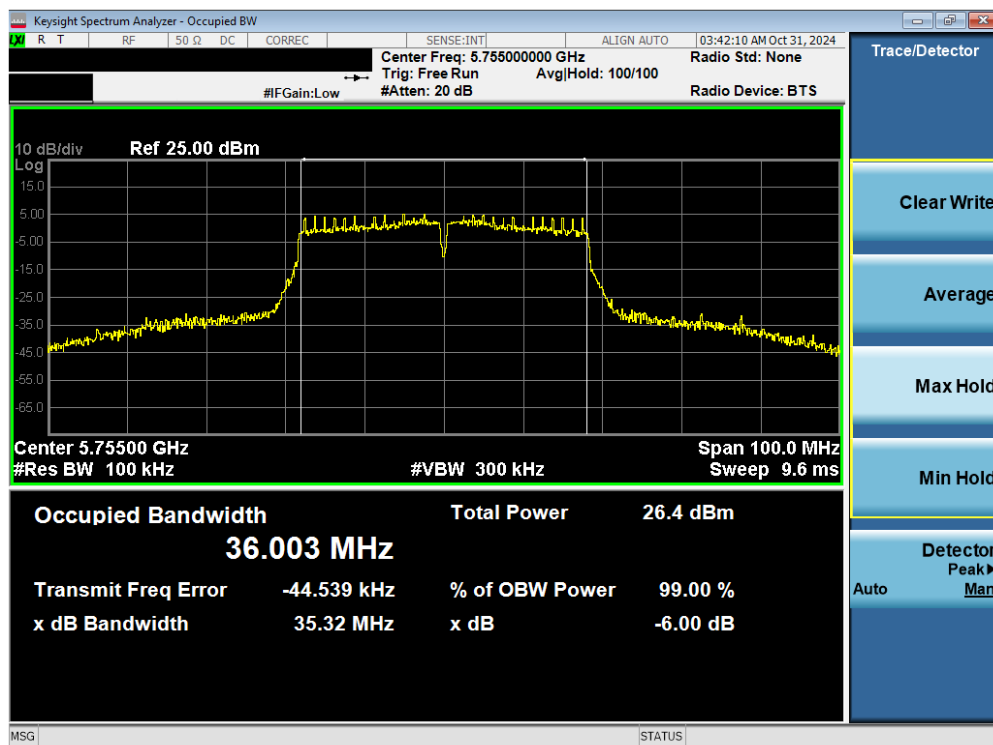
Table 7-6. Conducted Bandwidth Measurements Antenna 3a

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 31 of 249

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Plot 7-13. 6dB BW & 99% OBW Antenna 3a (20MHz BW 802.11n – Ch. 165)

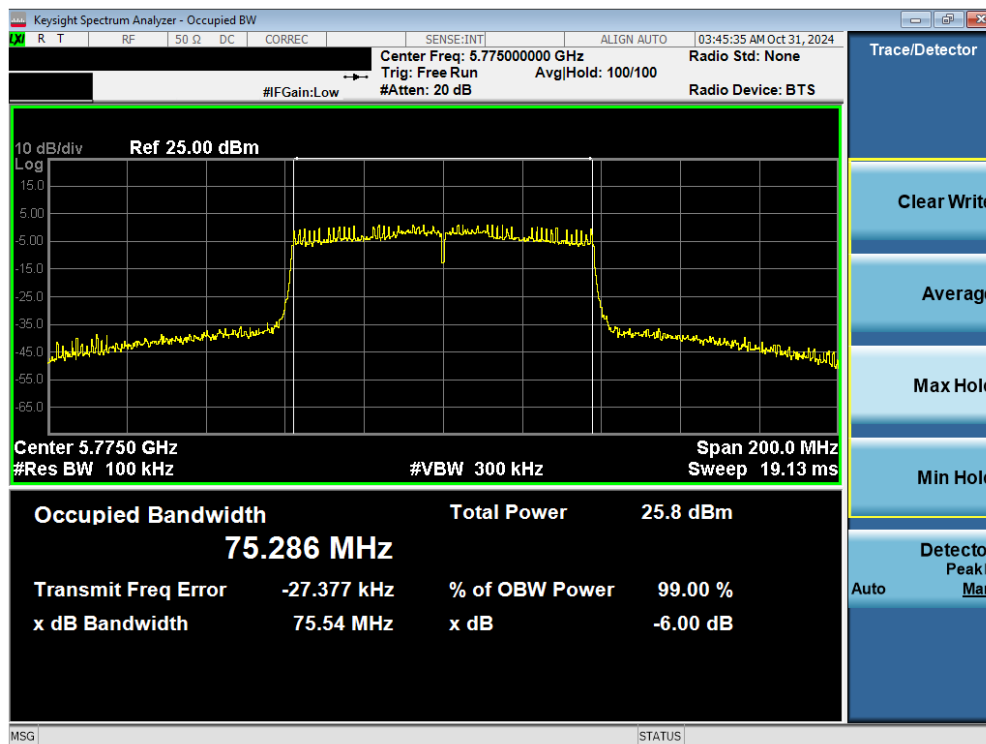


Plot 7-14. 6dB BW & 99% OBW Antenna 3a (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 32 of 249

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Plot 7-15. 6dB BW & 99% OBW Antenna 3a (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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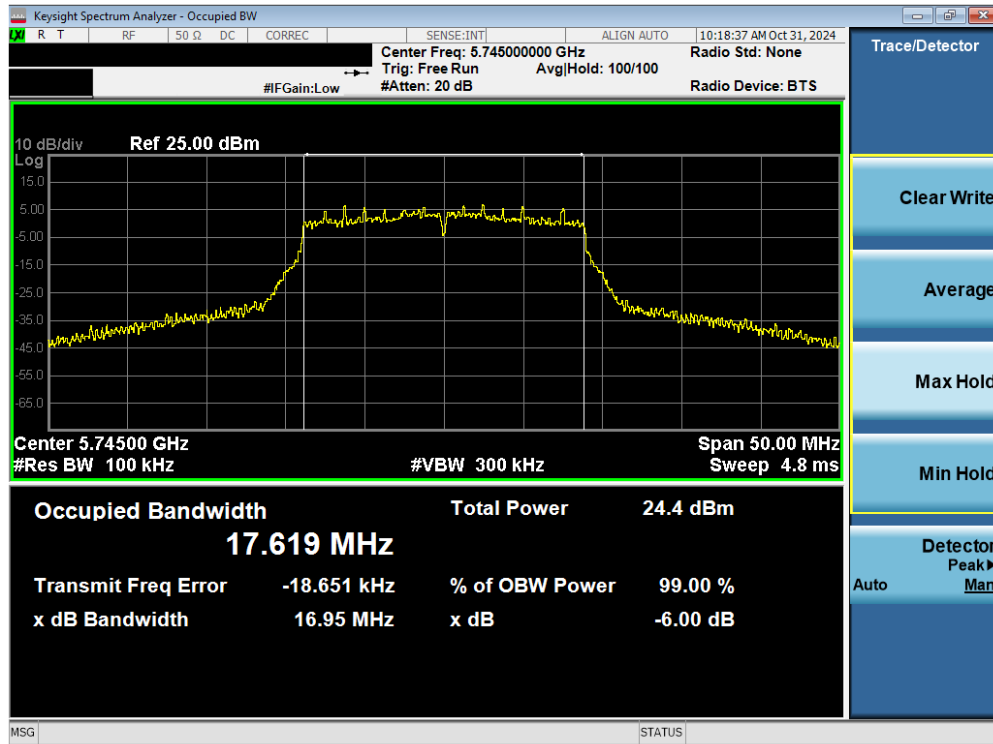
7.3.3 Antenna 1b 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	17.62	16.95	0.50	Pass
	5785	157	n (20MHz)	19.5/21.7 (MCS2)	17.62	17.56	0.50	Pass
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	17.63	16.95	0.50	Pass
	5745	149	ax (SU) (20MHz)	24/25.8 (MCS2)	18.82	18.65	0.50	Pass
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	18.87	18.43	0.50	Pass
	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	18.87	18.50	0.50	Pass
	5755	151	n (40MHz)	40/40.5 (MCS2)	36.06	35.28	0.50	Pass
	5795	159	n (40MHz)	40/40.5 (MCS2)	36.09	35.26	0.50	Pass
	5755	151	ax (SU) (40MHz)	98/103.2 (MCS4)	37.88	38.14	0.50	Pass
	5795	159	ax (SU) (40MHz)	49/51.6 (MCS2)	37.81	38.06	0.50	Pass
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	75.30	75.56	0.50	Pass
	5775	155	ax (SU) (80MHz)	567/600.5 (MCS11)	76.96	77.58	0.50	Pass

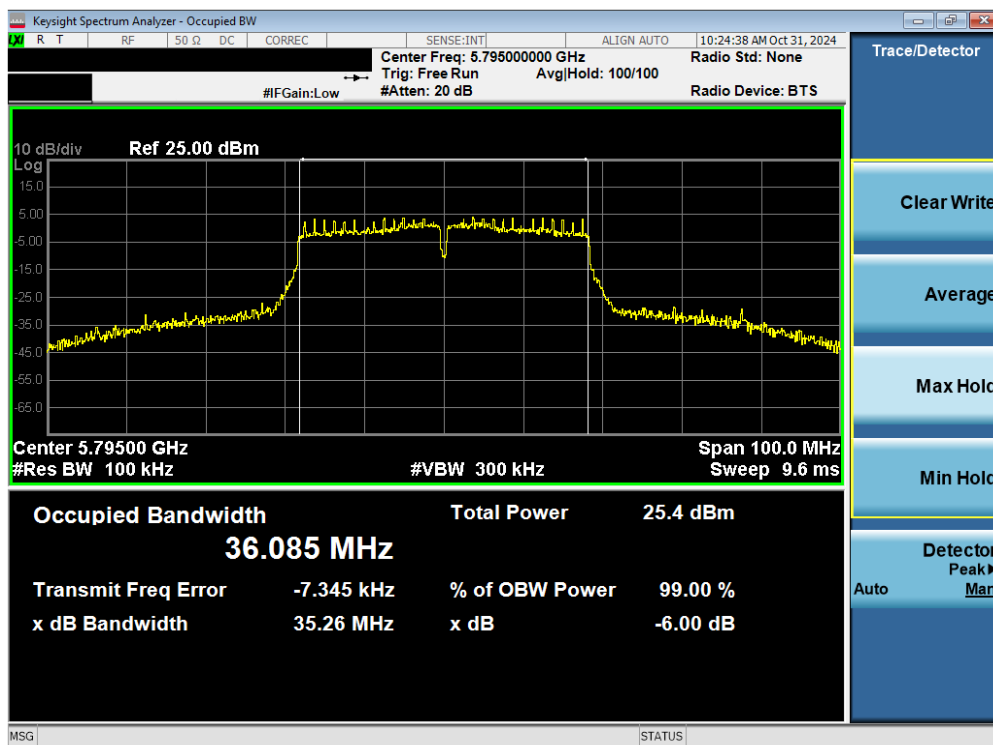
Table 7-7. Conducted Bandwidth Measurements Antenna 1b

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 34 of 249

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Plot 7-16. 6dB BW & 99% OBW Antenna 1b (20MHz BW 802.11n – Ch. 149)

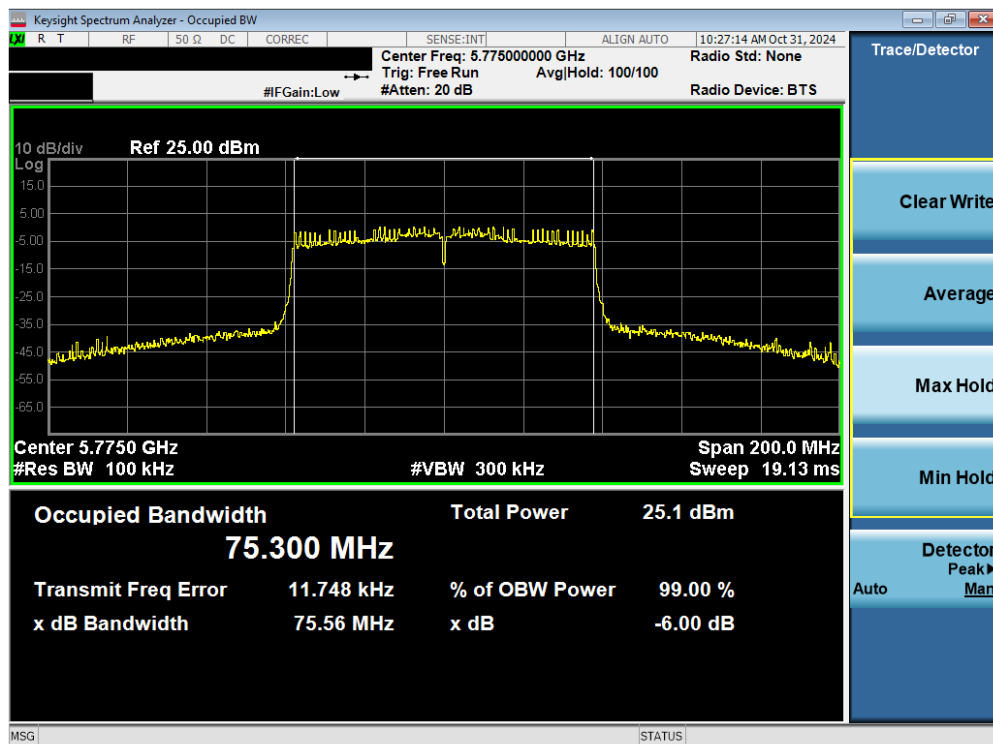


Plot 7-17. 6dB BW & 99% OBW Antenna 1b (40MHz BW 802.11n – Ch. 159)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 35 of 249

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Plot 7-18. 6dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.4 Conducted Output Power and Max EIRP Measurement

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3.i); RSS-247 [6.2]

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 and KDB 789033 D02 v02r01, and at the appropriate frequencies. B is the 99% OBW per ISED RSS-247 and 26dB BW is per FCC 15.407.

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

In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or $11 \text{ dBm} + 10 \log_{10}(B)$. 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 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) 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 – Section 12.4.3.2 Method PM-G

KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G

ANSI C63.10-2020 – 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

- Per RSS-247 Section 6.2.3, transmission on channels which overlap the 5600-5650 MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.4.1 FCC Antenna 3c Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	12 (MCS2)	17.80	23.98	-6.18
	5200	40	12 (MCS2)	19.36	23.98	-4.62
	5240	48	12 (MCS2)	19.48	23.98	-4.50
	5260	52	12 (MCS2)	19.13	23.98	-4.85
	5300	60	12 (MCS2)	19.32	23.98	-4.66
	5320	64	12 (MCS2)	18.68	23.98	-5.30
	5500	100	12 (MCS2)	18.21	23.98	-5.77
	5520	104	12 (MCS2)	19.28	23.98	-4.70
	5540	108	12 (MCS2)	19.19	23.98	-4.79
	5580	116	12 (MCS2)	19.17	23.98	-4.81
	5660	132	12 (MCS2)	19.46	23.98	-4.52
	5680	136	12 (MCS2)	19.12	23.98	-4.86
	5700	140	12 (MCS2)	16.34	23.98	-7.64
	5720	144	12 (MCS2)	19.45	23.98	-4.53
	5745	149	12 (MCS2)	20.35	30.00	-9.66
	5785	157	12 (MCS2)	20.35	30.00	-9.65
	5825	165	12 (MCS2)	20.17	30.00	-9.83

Table 7-8. FCC Antenna 3c 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	19.5/21.7 (MCS2)	17.60	23.98	-6.38
	5200	40	19.5/21.7 (MCS2)	19.75	23.98	-4.23
	5240	48	19.5/21.7 (MCS2)	19.77	23.98	-4.21
	5260	52	19.5/21.7 (MCS2)	19.71	23.98	-4.27
	5300	60	19.5/21.7 (MCS2)	19.79	23.98	-4.19
	5320	64	19.5/21.7 (MCS2)	18.55	23.98	-5.43
	5500	100	19.5/21.7 (MCS2)	18.02	23.98	-5.96
	5520	104	19.5/21.7 (MCS2)	19.89	23.98	-4.09
	5540	108	19.5/21.7 (MCS2)	19.90	23.98	-4.08
	5580	116	19.5/21.7 (MCS2)	19.62	23.98	-4.36
	5660	132	19.5/21.7 (MCS2)	19.90	23.98	-4.08
	5680	136	19.5/21.7 (MCS2)	19.43	23.98	-4.55
	5700	140	19.5/21.7 (MCS2)	16.23	23.98	-7.75
	5720	144	19.5/21.7 (MCS2)	19.63	23.98	-4.35
	5745	149	19.5/21.7 (MCS2)	20.38	30.00	-9.62
	5785	157	19.5/21.7 (MCS2)	20.38	30.00	-9.62
	5825	165	19.5/21.7 (MCS2)	20.39	30.00	-9.61

Table 7-9. FCC Antenna 3c 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	24/25.8 (MCS2)	17.44	23.98	-6.54
	5200	40	24/25.8 (MCS2)	19.87	23.98	-4.11
	5240	48	24/25.8 (MCS2)	19.81	23.98	-4.17
	5260	52	24/25.8 (MCS2)	19.65	23.98	-4.33
	5300	60	24/25.8 (MCS2)	19.73	23.98	-4.25
	5320	64	24/25.8 (MCS2)	18.04	23.98	-5.94
	5500	100	24/25.8 (MCS2)	17.96	23.98	-6.02
	5520	104	24/25.8 (MCS2)	18.98	23.98	-5.00
	5540	108	24/25.8 (MCS2)	19.72	23.98	-4.26
	5580	116	24/25.8 (MCS2)	19.99	23.98	-3.99
	5660	132	24/25.8 (MCS2)	19.90	23.98	-4.08
	5680	136	24/25.8 (MCS2)	18.96	23.98	-5.02
	5700	140	24/25.8 (MCS2)	15.54	23.98	-8.44
	5720	144	24/25.8 (MCS2)	19.70	23.98	-4.28
	5745	149	24/25.8 (MCS2)	20.35	30.00	-9.66
	5785	157	24/25.8 (MCS2)	20.31	30.00	-9.69
	5825	165	24/25.8 (MCS2)	20.27	30.00	-9.73

Table 7-10. FCC Antenna 3c 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	40/40.5 (MCS2)	16.48	23.98	-7.50
	5230	46	40/40.5 (MCS2)	19.23	23.98	-4.75
	5270	54	40/40.5 (MCS2)	19.44	23.98	-4.54
	5310	62	40/40.5 (MCS2)	14.61	23.98	-9.37
	5510	102	40/40.5 (MCS2)	14.99	23.98	-8.99
	5550	110	40/40.5 (MCS2)	19.45	23.98	-4.53
	5590	118	40/40.5 (MCS2)	19.28	23.98	-4.70
	5630	126	40/40.5 (MCS2)	19.22	23.98	-4.76
	5670	134	40/40.5 (MCS2)	18.00	23.98	-5.98
	5710	142	40/40.5 (MCS2)	19.30	23.98	-4.68
	5755	151	40/40.5 (MCS2)	19.26	30.00	-10.74
	5795	159	40/40.5 (MCS2)	19.24	30.00	-10.76

Table 7-11. FCC Antenna 3c 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5190	38	49/51.6 (MCS2)	15.56	23.98	-8.42
	5230	46	49/51.6 (MCS2)	19.32	23.98	-4.66
	5270	54	49/51.6 (MCS2)	19.24	23.98	-4.74
	5310	62	49/51.6 (MCS2)	13.45	23.98	-10.53
	5510	102	49/51.6 (MCS2)	14.27	23.98	-9.71
	5550	110	49/51.6 (MCS2)	18.81	23.98	-5.17
	5590	118	49/51.6 (MCS2)	19.36	23.98	-4.62
	5630	126	49/51.6 (MCS2)	19.40	23.98	-4.58
	5670	134	49/51.6 (MCS2)	17.52	23.98	-6.46
	5710	142	49/51.6 (MCS2)	19.30	23.98	-4.68
	5755	151	49/51.6 (MCS2)	19.50	30.00	-10.50
	5795	159	49/51.6 (MCS2)	19.48	30.00	-10.52

Table 7-12. FCC Antenna 3c 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5210	42	87.8/97.5 (MCS2)	15.23	23.98	-8.75
	5290	58	87.8/97.5 (MCS2)	12.96	23.98	-11.02
	5530	106	87.8/97.5 (MCS2)	14.23	23.98	-9.75
	5610	122	87.8/97.5 (MCS2)	19.27	23.98	-4.71
	5690	138	87.8/97.5 (MCS2)	19.92	23.98	-4.06
	5775	155	87.8/97.5 (MCS2)	18.85	30.00	-11.15

Table 7-13. FCC Antenna 3c 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5210	42	102/108.1 (MCS2)	14.40	23.98	-9.58
	5290	58	102/108.1 (MCS2)	12.60	23.98	-11.38
	5530	106	102/108.1 (MCS2)	13.77	23.98	-10.21
	5610	122	102/108.1 (MCS2)	17.61	23.98	-6.37
	5690	138	102/108.1 (MCS2)	19.90	23.98	-4.08
	5775	155	102/108.1 (MCS2)	17.90	30.00	-12.10

Table 7-14. FCC Antenna 3c 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 41 of 249

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7.4.2 ISED Antenna 3c Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11a						
	5180	36	12 (MCS2)	15.95	-	-	2.30	18.25	23.01	-4.76
	5200	40	12 (MCS2)	16.00	-	-	2.30	18.30	23.01	-4.71
	5240	48	12 (MCS2)	15.69	-	-	2.30	17.99	23.01	-5.02
	5260	52	12 (MCS2)	19.13	23.98	-4.85	2.10	21.23	30.00	-8.77
	5300	60	12 (MCS2)	19.32	23.98	-4.66	2.10	21.42	30.00	-8.58
	5320	64	12 (MCS2)	18.68	23.98	-5.30	2.10	20.78	30.00	-9.22
	5500	100	12 (MCS2)	18.21	23.98	-5.77	3.90	22.11	30.00	-7.89
	5520	104	12 (MCS2)	19.28	23.98	-4.70	3.90	23.18	30.00	-6.82
	5540	108	12 (MCS2)	19.19	23.98	-4.79	3.90	23.09	30.00	-6.91
	5580	116	12 (MCS2)	19.17	23.98	-4.81	3.90	23.07	30.00	-6.94
	5660	132	12 (MCS2)	19.46	23.98	-4.52	3.90	23.36	30.00	-6.64
	5680	136	12 (MCS2)	19.12	23.98	-4.86	3.90	23.02	30.00	-6.98
	5700	140	12 (MCS2)	16.34	23.98	-7.64	3.90	20.24	30.00	-9.76
	5720	144	12 (MCS2)	19.45	23.98	-4.53	3.90	23.35	30.00	-6.65
	5745	149	12 (MCS2)	20.35	30.00	-9.66	3.10	23.45	-	-
	5785	157	12 (MCS2)	20.35	30.00	-9.65	3.10	23.45	-	-
	5825	165	12 (MCS2)	20.17	30.00	-9.83	3.10	23.27	-	-

Table 7-15. ISED Antenna 3c 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11n						
	5180	36	19.5/21.7 (MCS2)	16.38	-	-	2.30	18.68	23.01	-4.33
	5200	40	19.5/21.7 (MCS2)	16.26	-	-	2.30	18.56	23.01	-4.45
	5240	48	19.5/21.7 (MCS2)	16.29	-	-	2.30	18.59	23.01	-4.42
	5260	52	19.5/21.7 (MCS2)	19.71	23.98	-4.27	2.10	21.81	30.00	-8.19
	5300	60	19.5/21.7 (MCS2)	19.79	23.98	-4.19	2.10	21.89	30.00	-8.11
	5320	64	19.5/21.7 (MCS2)	18.55	23.98	-5.43	2.10	20.65	30.00	-9.35
	5500	100	19.5/21.7 (MCS2)	18.02	23.98	-5.96	3.90	21.92	30.00	-8.08
	5520	104	19.5/21.7 (MCS2)	19.89	23.98	-4.09	3.90	23.79	30.00	-6.21
	5540	108	19.5/21.7 (MCS2)	19.90	23.98	-4.08	3.90	23.80	30.00	-6.20
	5580	116	19.5/21.7 (MCS2)	19.62	23.98	-4.36	3.90	23.52	30.00	-6.48
	5660	132	19.5/21.7 (MCS2)	19.90	23.98	-4.08	3.90	23.80	30.00	-6.20
	5680	136	19.5/21.7 (MCS2)	19.43	23.98	-4.55	3.90	23.33	30.00	-6.67
	5700	140	19.5/21.7 (MCS2)	16.23	23.98	-7.75	3.90	20.13	30.00	-9.87
	5720	144	19.5/21.7 (MCS2)	19.63	23.98	-4.35	3.90	23.53	30.00	-6.47
	5745	149	19.5/21.7 (MCS2)	20.38	30.00	-9.62	3.10	23.48	-	-
	5785	157	19.5/21.7 (MCS2)	20.38	30.00	-9.62	3.10	23.48	-	-
	5825	165	19.5/21.7 (MCS2)	20.39	30.00	-9.61	3.10	23.49	-	-

Table 7-16. ISED Antenna 3c 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 42 of 249

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5180	36	24/25.8 (MCS2)	16.48	-	-	2.30	18.78	23.01	-4.23
	5200	40	24/25.8 (MCS2)	16.46	-	-	2.30	18.76	23.01	-4.25
	5240	48	24/25.8 (MCS2)	16.48	-	-	2.30	18.78	23.01	-4.23
	5260	52	24/25.8 (MCS2)	19.65	23.98	-4.33	2.10	21.75	30.00	-8.25
	5300	60	24/25.8 (MCS2)	19.73	23.98	-4.25	2.10	21.83	30.00	-8.17
	5320	64	24/25.8 (MCS2)	18.04	23.98	-5.94	2.10	20.14	30.00	-9.86
	5500	100	24/25.8 (MCS2)	17.96	23.98	-6.02	3.90	21.86	30.00	-8.14
	5520	104	24/25.8 (MCS2)	18.98	23.98	-5.00	3.90	22.88	30.00	-7.12
	5540	108	24/25.8 (MCS2)	19.72	23.98	-4.26	3.90	23.62	30.00	-6.39
	5580	116	24/25.8 (MCS2)	19.99	23.98	-3.99	3.90	23.89	30.00	-6.12
	5660	132	24/25.8 (MCS2)	19.90	23.98	-4.08	3.90	23.80	30.00	-6.20
	5680	136	24/25.8 (MCS2)	18.96	23.98	-5.02	3.90	22.86	30.00	-7.14
	5700	140	24/25.8 (MCS2)	15.54	23.98	-8.44	3.90	19.44	30.00	-10.56
	5720	144	24/25.8 (MCS2)	19.70	23.98	-4.28	3.90	23.60	30.00	-6.40
	5745	149	24/25.8 (MCS2)	20.35	30.00	-9.66	3.10	23.45	-	-
	5785	157	24/25.8 (MCS2)	20.31	30.00	-9.69	3.10	23.41	-	-
	5825	165	24/25.8 (MCS2)	20.27	30.00	-9.73	3.10	23.37	-	-

Table 7-17. ISED Antenna 3c 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11n						
	5190	38	40/40.5 (MCS2)	16.74	-	-	2.30	19.04	23.01	-3.97
	5230	46	40/40.5 (MCS2)	18.80	-	-	2.30	21.10	23.01	-1.91
	5270	54	40/40.5 (MCS2)	19.44	23.98	-4.54	2.10	21.54	30.00	-8.46
	5310	62	40/40.5 (MCS2)	14.61	23.98	-9.37	2.10	16.71	30.00	-13.29
	5510	102	40/40.5 (MCS2)	14.99	23.98	-8.99	3.90	18.89	30.00	-11.11
	5550	110	40/40.5 (MCS2)	19.45	23.98	-4.53	3.90	23.35	30.00	-6.66
	5670	134	40/40.5 (MCS2)	18.00	23.98	-5.98	3.90	21.90	30.00	-8.10
	5710	142	40/40.5 (MCS2)	19.30	23.98	-4.68	3.90	23.20	30.00	-6.80
	5755	151	40/40.5 (MCS2)	19.26	30.00	-10.74	3.10	22.36	-	-
	5795	159	40/40.5 (MCS2)	19.24	30.00	-10.76	3.10	22.34	-	-

Table 7-18. ISED Antenna 3c 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5190	38	49/51.6 (MCS2)	15.37	-	-	2.30	17.67	23.01	-5.34
	5230	46	49/51.6 (MCS2)	19.37	-	-	2.30	21.67	23.01	-1.34
	5270	54	49/51.6 (MCS2)	19.24	23.98	-4.74	2.10	21.34	30.00	-8.66
	5310	62	49/51.6 (MCS2)	13.45	23.98	-10.53	2.10	15.55	30.00	-14.45
	5510	102	49/51.6 (MCS2)	14.27	23.98	-9.71	3.90	18.17	30.00	-11.83
	5550	110	49/51.6 (MCS2)	18.81	23.98	-5.17	3.90	22.71	30.00	-7.29
	5670	134	49/51.6 (MCS2)	17.52	23.98	-6.46	3.90	21.42	30.00	-8.58
	5710	142	49/51.6 (MCS2)	19.30	23.98	-4.68	3.90	23.20	30.00	-6.80
	5755	151	49/51.6 (MCS2)	19.50	30.00	-10.50	3.10	22.60	-	-
	5795	159	49/51.6 (MCS2)	19.48	30.00	-10.52	3.10	22.58	-	-

Table 7-19. ISED Antenna 3c 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 43 of 249

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ac						
	5210	42	87.8/97.5 (MCS2)	15.02	-	-	2.30	17.32	23.01	-5.70
	5290	58	87.8/97.5 (MCS2)	12.96	23.98	-11.02	2.10	15.06	30.00	-14.94
	5530	106	87.8/97.5 (MCS2)	14.23	23.98	-9.75	3.90	18.13	30.00	-11.87
	5690	138	87.8/97.5 (MCS2)	19.92	23.98	-4.06	3.90	23.82	30.00	-6.18
	5775	155	87.8/97.5 (MCS2)	18.85	30.00	-11.15	3.10	21.95	-	-

Table 7-20. ISED Antenna 3c 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5210	42	102/108.1 (MCS2)	13.97	-	-	2.30	16.27	23.01	-6.74
	5290	58	102/108.1 (MCS2)	12.60	23.98	-11.38	2.10	14.70	30.00	-15.30
	5530	106	102/108.1 (MCS2)	13.77	23.98	-10.21	3.90	17.67	30.00	-12.33
	5690	138	102/108.1 (MCS2)	19.90	23.98	-4.08	3.90	23.80	30.00	-6.20
	5775	155	102/108.1 (MCS2)	17.90	30.00	-12.10	3.10	21.00	-	-

Table 7-21. ISED Antenna 3c 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 44 of 249

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7.4.3 FCC Antenna 3a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	12 (MCS2)	17.74	23.98	-6.24
	5200	40	12 (MCS2)	19.25	23.98	-4.73
	5240	48	12 (MCS2)	19.11	23.98	-4.87
	5260	52	12 (MCS2)	19.28	23.98	-4.70
	5300	60	12 (MCS2)	19.13	23.98	-4.85
	5320	64	12 (MCS2)	18.67	23.98	-5.31
	5500	100	12 (MCS2)	18.11	23.98	-5.87
	5520	104	12 (MCS2)	19.12	23.98	-4.86
	5540	108	12 (MCS2)	19.41	23.98	-4.57
	5580	116	12 (MCS2)	19.17	23.98	-4.81
	5660	132	12 (MCS2)	19.13	23.98	-4.85
	5680	136	12 (MCS2)	19.35	23.98	-4.63
	5700	140	12 (MCS2)	16.46	23.98	-7.52
	5720	144	12 (MCS2)	19.39	23.98	-4.59
	5745	149	12 (MCS2)	20.47	30.00	-9.53
	5785	157	12 (MCS2)	20.47	30.00	-9.53
	5825	165	12 (MCS2)	20.22	30.00	-9.78

Table 7-22. FCC Antenna 3a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 45 of 249

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	19.5/21.7 (MCS2)	17.69	23.98	-6.29
	5200	40	19.5/21.7 (MCS2)	19.60	23.98	-4.38
	5240	48	19.5/21.7 (MCS2)	19.99	23.98	-3.99
	5260	52	19.5/21.7 (MCS2)	19.90	23.98	-4.08
	5300	60	19.5/21.7 (MCS2)	19.69	23.98	-4.29
	5320	64	19.5/21.7 (MCS2)	18.67	23.98	-5.31
	5500	100	19.5/21.7 (MCS2)	18.17	23.98	-5.81
	5520	104	19.5/21.7 (MCS2)	19.62	23.98	-4.36
	5540	108	19.5/21.7 (MCS2)	19.70	23.98	-4.28
	5580	116	19.5/21.7 (MCS2)	19.94	23.98	-4.04
	5660	132	19.5/21.7 (MCS2)	19.85	23.98	-4.13
	5680	136	19.5/21.7 (MCS2)	19.38	23.98	-4.60
	5700	140	19.5/21.7 (MCS2)	16.25	23.98	-7.73
	5720	144	19.5/21.7 (MCS2)	19.66	23.98	-4.32
	5745	149	19.5/21.7 (MCS2)	20.40	30.00	-9.60
	5785	157	19.5/21.7 (MCS2)	20.42	30.00	-9.58
	5825	165	19.5/21.7 (MCS2)	20.12	30.00	-9.88

Table 7-23. FCC Antenna 3a 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 46 of 249

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	24/25.8 (MCS2)	17.25	23.98	-6.73
	5200	40	24/25.8 (MCS2)	19.87	23.98	-4.11
	5240	48	24/25.8 (MCS2)	19.71	23.98	-4.27
	5260	52	24/25.8 (MCS2)	19.66	23.98	-4.32
	5300	60	24/25.8 (MCS2)	19.89	23.98	-4.09
	5320	64	24/25.8 (MCS2)	17.98	23.98	-6.00
	5500	100	24/25.8 (MCS2)	17.96	23.98	-6.02
	5520	104	24/25.8 (MCS2)	18.93	23.98	-5.05
	5540	108	24/25.8 (MCS2)	19.86	23.98	-4.12
	5580	116	24/25.8 (MCS2)	19.66	23.98	-4.32
	5660	132	24/25.8 (MCS2)	19.66	23.98	-4.32
	5680	136	24/25.8 (MCS2)	18.76	23.98	-5.22
	5700	140	24/25.8 (MCS2)	15.40	23.98	-8.58
	5720	144	24/25.8 (MCS2)	19.78	23.98	-4.20
	5745	149	24/25.8 (MCS2)	20.31	30.00	-9.69
	5785	157	24/25.8 (MCS2)	20.36	30.00	-9.64
	5825	165	24/25.8 (MCS2)	20.13	30.00	-9.87

Table 7-24. FCC Antenna 3a 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	40/40.5 (MCS2)	16.59	23.98	-7.39
	5230	46	40/40.5 (MCS2)	19.26	23.98	-4.72
	5270	54	40/40.5 (MCS2)	19.21	23.98	-4.77
	5310	62	40/40.5 (MCS2)	14.55	23.98	-9.43
	5510	102	40/40.5 (MCS2)	14.79	23.98	-9.19
	5550	110	40/40.5 (MCS2)	19.21	23.98	-4.77
	5590	118	40/40.5 (MCS2)	19.32	23.98	-4.66
	5630	126	40/40.5 (MCS2)	19.33	23.98	-4.65
	5670	134	40/40.5 (MCS2)	18.10	23.98	-5.88
	5710	142	40/40.5 (MCS2)	19.24	23.98	-4.74
	5755	151	40/40.5 (MCS2)	19.37	30.00	-10.63
	5795	159	40/40.5 (MCS2)	19.44	30.00	-10.56

Table 7-25. FCC Antenna 3a 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 47 of 249

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5190	38	49/51.6 (MCS2)	15.56	23.98	-8.42
	5230	46	49/51.6 (MCS2)	19.32	23.98	-4.66
	5270	54	49/51.6 (MCS2)	19.24	23.98	-4.74
	5310	62	49/51.6 (MCS2)	13.45	23.98	-10.53
	5510	102	49/51.6 (MCS2)	14.27	23.98	-9.71
	5550	110	49/51.6 (MCS2)	18.81	23.98	-5.17
	5590	118	49/51.6 (MCS2)	19.36	23.98	-4.62
	5630	126	49/51.6 (MCS2)	19.40	23.98	-4.58
	5670	134	49/51.6 (MCS2)	17.52	23.98	-6.46
	5710	142	49/51.6 (MCS2)	19.30	23.98	-4.68
	5755	151	49/51.6 (MCS2)	19.50	30.00	-10.50
	5795	159	49/51.6 (MCS2)	19.48	30.00	-10.52

Table 7-26. FCC Antenna 3a 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5210	42	87.8/97.5 (MCS2)	15.00	23.98	-8.98
	5290	58	87.8/97.5 (MCS2)	12.97	23.98	-11.01
	5530	106	87.8/97.5 (MCS2)	14.24	23.98	-9.74
	5610	122	87.8/97.5 (MCS2)	19.15	23.98	-4.83
	5690	138	87.8/97.5 (MCS2)	19.79	23.98	-4.19
	5775	155	87.8/97.5 (MCS2)	18.74	30.00	-11.26

Table 7-27. FCC Antenna 3a 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5210	42	102/108.1 (MCS2)	14.25	23.98	-9.73
	5290	58	102/108.1 (MCS2)	12.72	23.98	-11.26
	5530	106	102/108.1 (MCS2)	13.83	23.98	-10.15
	5610	122	102/108.1 (MCS2)	17.65	23.98	-6.33
	5690	138	102/108.1 (MCS2)	19.63	23.98	-4.35
	5775	155	102/108.1 (MCS2)	18.12	30.00	-11.89

Table 7-28. FCC Antenna 3a 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 48 of 249

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7.4.4 ISED Antenna 3a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11a						
	5180	36	12 (MCS2)	15.97	-	-	-0.10	15.87	23.01	-7.14
	5200	40	12 (MCS2)	15.74	-	-	-0.10	15.64	23.01	-7.37
	5240	48	12 (MCS2)	15.85	-	-	-0.10	15.75	23.01	-7.26
	5260	52	12 (MCS2)	19.28	23.98	-4.70	1.60	20.88	30.00	-9.12
	5300	60	12 (MCS2)	19.13	23.98	-4.85	1.60	20.73	30.00	-9.27
	5320	64	12 (MCS2)	18.67	23.98	-5.31	1.60	20.27	30.00	-9.74
	5500	100	12 (MCS2)	18.11	23.98	-5.87	0.30	18.41	30.00	-11.59
	5520	104	12 (MCS2)	19.12	23.98	-4.86	0.30	19.42	30.00	-10.58
	5540	108	12 (MCS2)	19.41	23.98	-4.57	0.30	19.71	30.00	-10.29
	5580	116	12 (MCS2)	19.17	23.98	-4.81	0.30	19.47	30.00	-10.53
	5660	132	12 (MCS2)	19.13	23.98	-4.85	0.30	19.43	30.00	-10.57
	5680	136	12 (MCS2)	19.35	23.98	-4.63	0.30	19.65	30.00	-10.35
	5700	140	12 (MCS2)	16.46	23.98	-7.52	0.30	16.76	30.00	-13.24
	5720	144	12 (MCS2)	19.39	23.98	-4.59	0.30	19.69	30.00	-10.31
	5745	149	12 (MCS2)	20.47	30.00	-9.53	-0.50	19.97	-	-
	5785	157	12 (MCS2)	20.47	30.00	-9.53	-0.50	19.97	-	-
	5825	165	12 (MCS2)	20.22	30.00	-9.78	-0.50	19.72	-	-

Table 7-29. ISED Antenna 3a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11n						
	5180	36	19.5/21.7 (MCS2)	16.30	-	-	-0.10	16.20	23.01	-6.81
	5200	40	19.5/21.7 (MCS2)	16.27	-	-	-0.10	16.17	23.01	-6.84
	5240	48	19.5/21.7 (MCS2)	16.48	-	-	-0.10	16.38	23.01	-6.63
	5260	52	19.5/21.7 (MCS2)	19.90	23.98	-4.08	1.60	21.50	30.00	-8.51
	5300	60	19.5/21.7 (MCS2)	19.69	23.98	-4.29	1.60	21.29	30.00	-8.71
	5320	64	19.5/21.7 (MCS2)	18.67	23.98	-5.31	1.60	20.27	30.00	-9.73
	5500	100	19.5/21.7 (MCS2)	18.17	23.98	-5.81	0.30	18.47	30.00	-11.53
	5520	104	19.5/21.7 (MCS2)	19.62	23.98	-4.36	0.30	19.92	30.00	-10.08
	5540	108	19.5/21.7 (MCS2)	19.70	23.98	-4.28	0.30	20.00	30.00	-10.00
	5580	116	19.5/21.7 (MCS2)	19.94	23.98	-4.04	0.30	20.24	30.00	-9.76
	5660	132	19.5/21.7 (MCS2)	19.85	23.98	-4.13	0.30	20.15	30.00	-9.85
	5680	136	19.5/21.7 (MCS2)	19.38	23.98	-4.60	0.30	19.68	30.00	-10.32
	5700	140	19.5/21.7 (MCS2)	16.25	23.98	-7.73	0.30	16.55	30.00	-13.45
	5720	144	19.5/21.7 (MCS2)	19.66	23.98	-4.32	0.30	19.96	30.00	-10.04
	5745	149	19.5/21.7 (MCS2)	20.40	30.00	-9.60	-0.50	19.90	-	-
	5785	157	19.5/21.7 (MCS2)	20.42	30.00	-9.58	-0.50	19.92	-	-
	5825	165	19.5/21.7 (MCS2)	20.12	30.00	-9.88	-0.50	19.62	-	-

Table 7-30. ISED Antenna 3a 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5180	36	24/25.8 (MCS2)	16.16	-	-	-0.10	16.06	23.01	-6.95
	5200	40	24/25.8 (MCS2)	16.35	-	-	-0.10	16.25	23.01	-6.76
	5240	48	24/25.8 (MCS2)	16.14	-	-	-0.10	16.04	23.01	-6.97
	5260	52	24/25.8 (MCS2)	19.66	23.98	-4.32	1.60	21.26	30.00	-8.74
	5300	60	24/25.8 (MCS2)	19.89	23.98	-4.09	1.60	21.49	30.00	-8.51
	5320	64	24/25.8 (MCS2)	17.98	23.98	-6.00	1.60	19.58	30.00	-10.42
	5500	100	24/25.8 (MCS2)	17.96	23.98	-6.02	0.30	18.26	30.00	-11.74
	5520	104	24/25.8 (MCS2)	18.93	23.98	-5.05	0.30	19.23	30.00	-10.78
	5540	108	24/25.8 (MCS2)	19.86	23.98	-4.12	0.30	20.16	30.00	-9.84
	5580	116	24/25.8 (MCS2)	19.66	23.98	-4.32	0.30	19.96	30.00	-10.04
	5660	132	24/25.8 (MCS2)	19.66	23.98	-4.32	0.30	19.96	30.00	-10.04
	5680	136	24/25.8 (MCS2)	18.76	23.98	-5.22	0.30	19.06	30.00	-10.94
	5700	140	24/25.8 (MCS2)	15.40	23.98	-8.58	0.30	15.70	30.00	-14.30
	5720	144	24/25.8 (MCS2)	19.78	23.98	-4.20	0.30	20.08	30.00	-9.92
	5745	149	24/25.8 (MCS2)	20.31	30.00	-9.69	-0.50	19.81	-	-
	5785	157	24/25.8 (MCS2)	20.36	30.00	-9.64	-0.50	19.86	-	-
	5825	165	24/25.8 (MCS2)	20.13	30.00	-9.87	-0.50	19.63	-	-

Table 7-31. ISED Antenna 3a 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11n						
	5190	38	40/40.5 (MCS2)	16.52	-	-	-0.10	16.42	23.01	-6.59
	5230	46	40/40.5 (MCS2)	18.76	-	-	-0.10	18.66	23.01	-4.35
	5270	54	40/40.5 (MCS2)	19.21	23.98	-4.77	1.60	20.81	30.00	-9.20
	5310	62	40/40.5 (MCS2)	14.55	23.98	-9.43	1.60	16.15	30.00	-13.85
	5510	102	40/40.5 (MCS2)	14.79	23.98	-9.19	0.30	15.09	30.00	-14.91
	5550	110	40/40.5 (MCS2)	19.21	23.98	-4.77	0.30	19.51	30.00	-10.49
	5670	134	40/40.5 (MCS2)	18.10	23.98	-5.88	0.30	18.40	30.00	-11.60
	5710	142	40/40.5 (MCS2)	19.24	23.98	-4.74	0.30	19.54	30.00	-10.46
	5755	151	40/40.5 (MCS2)	19.37	30.00	-10.63	-0.50	18.87	-	-
	5795	159	40/40.5 (MCS2)	19.44	30.00	-10.56	-0.50	18.94	-	-

Table 7-32. ISED Antenna 3a 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5190	38	49/51.6 (MCS2)	15.37	-	-	-0.10	15.27	23.01	-7.74
	5230	46	49/51.6 (MCS2)	19.37	-	-	-0.10	19.27	23.01	-3.74
	5270	54	49/51.6 (MCS2)	19.24	23.98	-4.74	1.60	20.84	30.00	-9.16
	5310	62	49/51.6 (MCS2)	13.45	23.98	-10.53	1.60	15.05	30.00	-14.95
	5510	102	49/51.6 (MCS2)	14.27	23.98	-9.71	0.30	14.57	30.00	-15.43
	5550	110	49/51.6 (MCS2)	18.81	23.98	-5.17	0.30	19.11	30.00	-10.89
	5670	134	49/51.6 (MCS2)	17.52	23.98	-6.46	0.30	17.82	30.00	-12.18
	5710	142	49/51.6 (MCS2)	19.30	23.98	-4.68	0.30	19.60	30.00	-10.40
	5755	151	49/51.6 (MCS2)	19.50	30.00	-10.50	-0.50	19.00	-	-
	5795	159	49/51.6 (MCS2)	19.48	30.00	-10.52	-0.50	18.98	-	-

Table 7-33. ISED Antenna 3a 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ac						
	5210	42	87.8/97.5 (MCS2)	15.01	-	-	-0.10	14.91	23.01	-8.10
	5290	58	87.8/97.5 (MCS2)	12.97	23.98	-11.01	1.60	14.57	30.00	-15.43
	5530	106	87.8/97.5 (MCS2)	14.24	23.98	-9.74	0.30	14.54	30.00	-15.46
	5690	138	87.8/97.5 (MCS2)	19.79	23.98	-4.19	0.30	20.09	30.00	-9.91
	5775	155	87.8/97.5 (MCS2)	18.74	30.00	-11.26	-0.50	18.24	-	-

Table 7-34. ISED Antenna 3a 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5210	42	102/108.1 (MCS2)	13.92	-	-	-0.10	13.82	23.01	-9.19
	5290	58	102/108.1 (MCS2)	12.72	23.98	-11.26	1.60	14.32	30.00	-15.68
	5530	106	102/108.1 (MCS2)	13.83	23.98	-10.15	0.30	14.13	30.00	-15.87
	5690	138	102/108.1 (MCS2)	19.63	23.98	-4.35	0.30	19.93	30.00	-10.07
	5775	155	102/108.1 (MCS2)	18.12	30.00	-11.89	-0.50	17.62	-	-

Table 7-35. ISED Antenna 3a 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.5 FCC Antenna 1b Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	12 (MCS2)	16.92	23.98	-7.06
	5200	40	12 (MCS2)	18.21	23.98	-5.77
	5240	48	12 (MCS2)	18.41	23.98	-5.57
	5260	52	12 (MCS2)	18.48	23.98	-5.50
	5300	60	12 (MCS2)	18.18	23.98	-5.80
	5320	64	12 (MCS2)	17.66	23.98	-6.32
	5500	100	12 (MCS2)	17.11	23.98	-6.87
	5520	104	12 (MCS2)	18.22	23.98	-5.76
	5540	108	12 (MCS2)	18.37	23.98	-5.61
	5580	116	12 (MCS2)	18.34	23.98	-5.64
	5660	132	12 (MCS2)	18.30	23.98	-5.68
	5680	136	12 (MCS2)	18.16	23.98	-5.82
	5700	140	12 (MCS2)	15.38	23.98	-8.60
	5720	144	12 (MCS2)	18.30	23.98	-5.68
	5745	149	12 (MCS2)	19.44	30.00	-10.56
	5785	157	12 (MCS2)	19.17	30.00	-10.83
	5825	165	12 (MCS2)	19.41	30.00	-10.59

Table 7-36. FCC Antenna 1b 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	19.5/21.7 (MCS2)	16.73	23.98	-7.25
	5200	40	19.5/21.7 (MCS2)	18.76	23.98	-5.22
	5240	48	19.5/21.7 (MCS2)	18.87	23.98	-5.11
	5260	52	19.5/21.7 (MCS2)	18.73	23.98	-5.25
	5300	60	19.5/21.7 (MCS2)	18.96	23.98	-5.02
	5320	64	19.5/21.7 (MCS2)	17.72	23.98	-6.26
	5500	100	19.5/21.7 (MCS2)	17.10	23.98	-6.88
	5520	104	19.5/21.7 (MCS2)	18.81	23.98	-5.17
	5540	108	19.5/21.7 (MCS2)	18.88	23.98	-5.10
	5580	116	19.5/21.7 (MCS2)	18.79	23.98	-5.19
	5660	132	19.5/21.7 (MCS2)	18.89	23.98	-5.09
	5680	136	19.5/21.7 (MCS2)	18.47	23.98	-5.51
	5700	140	19.5/21.7 (MCS2)	15.37	23.98	-8.61
	5720	144	19.5/21.7 (MCS2)	18.87	23.98	-5.11
	5745	149	19.5/21.7 (MCS2)	19.26	30.00	-10.74
	5785	157	19.5/21.7 (MCS2)	19.40	30.00	-10.61
	5825	165	19.5/21.7 (MCS2)	19.14	30.00	-10.86

Table 7-37. FCC Antenna 1b 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11ax	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	24/25.8 (MCS2)	16.16	23.98	-7.82
	5200	40	24/25.8 (MCS2)	18.74	23.98	-5.24
	5240	48	24/25.8 (MCS2)	18.93	23.98	-5.05
	5260	52	24/25.8 (MCS2)	18.80	23.98	-5.18
	5300	60	24/25.8 (MCS2)	18.68	23.98	-5.30
	5320	64	24/25.8 (MCS2)	16.83	23.98	-7.15
	5500	100	24/25.8 (MCS2)	16.86	23.98	-7.12
	5520	104	24/25.8 (MCS2)	17.93	23.98	-6.05
	5540	108	24/25.8 (MCS2)	18.86	23.98	-5.12
	5580	116	24/25.8 (MCS2)	19.00	23.98	-4.98
	5660	132	24/25.8 (MCS2)	18.79	23.98	-5.19
	5680	136	24/25.8 (MCS2)	17.68	23.98	-6.30
	5700	140	24/25.8 (MCS2)	14.37	23.98	-9.61
	5720	144	24/25.8 (MCS2)	18.92	23.98	-5.06
	5745	149	24/25.8 (MCS2)	19.24	30.00	-10.76
	5785	157	24/25.8 (MCS2)	19.48	30.00	-10.52
	5825	165	24/25.8 (MCS2)	19.12	30.00	-10.88

Table 7-38. FCC Antenna 1b 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	40/40.5 (MCS2)	15.46	23.98	-8.52
	5230	46	40/40.5 (MCS2)	18.21	23.98	-5.77
	5270	54	40/40.5 (MCS2)	18.24	23.98	-5.74
	5310	62	40/40.5 (MCS2)	13.45	23.98	-10.53
	5510	102	40/40.5 (MCS2)	13.90	23.98	-10.08
	5550	110	40/40.5 (MCS2)	18.46	23.98	-5.52
	5590	118	40/40.5 (MCS2)	18.35	23.98	-5.63
	5630	126	40/40.5 (MCS2)	18.40	23.98	-5.58
	5670	134	40/40.5 (MCS2)	17.10	23.98	-6.88
	5710	142	40/40.5 (MCS2)	18.45	23.98	-5.53
	5755	151	40/40.5 (MCS2)	18.41	23.98	-5.57
	5795	159	40/40.5 (MCS2)	18.37	23.98	-5.61

Table 7-39. FCC Antenna 1b 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 54 of 249

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5190	38	49/51.6 (MCS2)	14.37	23.98	-9.61
	5230	46	49/51.6 (MCS2)	18.23	23.98	-5.75
	5270	54	49/51.6 (MCS2)	18.27	23.98	-5.71
	5310	62	49/51.6 (MCS2)	12.74	23.98	-11.24
	5510	102	49/51.6 (MCS2)	13.20	23.98	-10.78
	5550	110	49/51.6 (MCS2)	17.74	23.98	-6.24
	5590	118	49/51.6 (MCS2)	18.35	23.98	-5.63
	5630	126	49/51.6 (MCS2)	18.16	23.98	-5.82
	5670	134	49/51.6 (MCS2)	16.45	23.98	-7.53
	5710	142	49/51.6 (MCS2)	18.39	23.98	-5.59
	5755	151	49/51.6 (MCS2)	18.22	30.00	-11.78
	5795	159	49/51.6 (MCS2)	18.18	30.00	-11.82

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

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ac		
	5210	42	87.8/97.5 (MCS2)	14.20	23.98	-9.78
	5290	58	87.8/97.5 (MCS2)	11.91	23.98	-12.07
	5530	106	87.8/97.5 (MCS2)	13.43	23.98	-10.55
	5610	122	87.8/97.5 (MCS2)	18.42	23.98	-5.56
	5690	138	87.8/97.5 (MCS2)	18.66	23.98	-5.32
	5775	155	87.8/97.5 (MCS2)	17.82	30.00	-12.18

Table 7-41. FCC Antenna 1b 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				802.11ax		
	5210	42	102/108.1 (MCS2)	13.42	23.98	-10.56
	5290	58	102/108.1 (MCS2)	11.38	23.98	-12.60
	5530	106	102/108.1 (MCS2)	12.80	23.98	-11.18
	5610	122	102/108.1 (MCS2)	16.80	23.98	-7.18
	5690	138	102/108.1 (MCS2)	18.71	23.98	-5.27
	5775	155	102/108.1 (MCS2)	17.09	30.00	-12.91

Table 7-42. FCC Antenna 1b 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 55 of 249

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7.4.6 ISED Antenna 1b Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11a	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	12 (MCS2)	15.61	-	-	-1.60	14.01	23.01	-9.00
	5200	40	12 (MCS2)	15.91	-	-	-1.60	14.31	23.01	-8.70
	5240	48	12 (MCS2)	15.69	-	-	-1.60	14.09	23.01	-8.92
	5260	52	12 (MCS2)	18.48	23.98	-5.50	-1.40	17.08	30.00	-12.92
	5300	60	12 (MCS2)	18.18	23.98	-5.80	-1.40	16.78	30.00	-13.22
	5320	64	12 (MCS2)	17.66	23.98	-6.32	-1.40	16.26	30.00	-13.74
	5500	100	12 (MCS2)	17.11	23.98	-6.87	-0.80	16.31	30.00	-13.69
	5520	104	12 (MCS2)	18.22	23.98	-5.76	-0.80	17.42	30.00	-12.58
	5540	108	12 (MCS2)	18.37	23.98	-5.61	-0.80	17.57	30.00	-12.43
	5580	116	12 (MCS2)	18.34	23.98	-5.64	-0.80	17.54	30.00	-12.46
	5660	132	12 (MCS2)	18.30	23.98	-5.68	-0.80	17.50	30.00	-12.50
	5680	136	12 (MCS2)	18.16	23.98	-5.82	-0.80	17.36	30.00	-12.64
	5700	140	12 (MCS2)	15.38	23.98	-8.60	-0.80	14.58	30.00	-15.42
	5720	144	12 (MCS2)	18.30	23.98	-5.68	-0.80	17.50	30.00	-12.50
	5745	149	12 (MCS2)	19.44	30.00	-10.56	-1.40	18.04	-	-
	5785	157	12 (MCS2)	19.17	30.00	-10.83	-1.40	17.77	-	-
	5825	165	12 (MCS2)	19.41	30.00	-10.59	-1.40	18.01	-	-

Table 7-43. ISED Antenna 1b 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	Conducted Power [dBm] 802.11n	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	19.5/21.7 (MCS2)	15.29	-	-	-1.60	13.69	23.01	-9.32
	5200	40	19.5/21.7 (MCS2)	15.20	-	-	-1.60	13.60	23.01	-9.41
	5240	48	19.5/21.7 (MCS2)	15.14	-	-	-1.60	13.54	23.01	-9.47
	5260	52	19.5/21.7 (MCS2)	18.73	23.98	-5.25	-1.40	17.33	30.00	-12.68
	5300	60	19.5/21.7 (MCS2)	18.96	23.98	-5.02	-1.40	17.56	30.00	-12.45
	5320	64	19.5/21.7 (MCS2)	17.72	23.98	-6.26	-1.40	16.32	30.00	-13.68
	5500	100	19.5/21.7 (MCS2)	17.10	23.98	-6.88	-0.80	16.30	30.00	-13.70
	5520	104	19.5/21.7 (MCS2)	18.81	23.98	-5.17	-0.80	18.01	30.00	-11.99
	5540	108	19.5/21.7 (MCS2)	18.88	23.98	-5.10	-0.80	18.08	30.00	-11.92
	5580	116	19.5/21.7 (MCS2)	18.79	23.98	-5.19	-0.80	17.99	30.00	-12.01
	5660	132	19.5/21.7 (MCS2)	18.89	23.98	-5.09	-0.80	18.09	30.00	-11.91
	5680	136	19.5/21.7 (MCS2)	18.47	23.98	-5.51	-0.80	17.67	30.00	-12.33
	5700	140	19.5/21.7 (MCS2)	15.37	23.98	-8.61	-0.80	14.57	30.00	-15.43
	5720	144	19.5/21.7 (MCS2)	18.87	23.98	-5.11	-0.80	18.07	30.00	-11.93
	5745	149	19.5/21.7 (MCS2)	19.26	30.00	-10.74	-1.40	17.86	-	-
	5785	157	19.5/21.7 (MCS2)	19.40	30.00	-10.61	-1.40	18.00	-	-
	5825	165	19.5/21.7 (MCS2)	19.14	30.00	-10.86	-1.40	17.74	-	-

Table 7-44. ISED Antenna 1b 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 56 of 249

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5180	36	24/25.8 (MCS2)	15.19	-	-	-1.60	13.59	23.01	-9.42
	5200	40	24/25.8 (MCS2)	15.34	-	-	-1.60	13.74	23.01	-9.27
	5240	48	24/25.8 (MCS2)	15.33	-	-	-1.60	13.73	23.01	-9.28
	5260	52	24/25.8 (MCS2)	18.80	23.98	-5.18	-1.40	17.40	30.00	-12.60
	5300	60	24/25.8 (MCS2)	18.68	23.98	-5.30	-1.40	17.28	30.00	-12.72
	5320	64	24/25.8 (MCS2)	16.83	23.98	-7.15	-1.40	15.43	30.00	-14.57
	5500	100	24/25.8 (MCS2)	16.86	23.98	-7.12	-0.80	16.06	30.00	-13.94
	5520	104	24/25.8 (MCS2)	17.93	23.98	-6.05	-0.80	17.13	30.00	-12.87
	5540	108	24/25.8 (MCS2)	18.86	23.98	-5.12	-0.80	18.06	30.00	-11.94
	5580	116	24/25.8 (MCS2)	19.00	23.98	-4.98	-0.80	18.20	30.00	-11.81
	5660	132	24/25.8 (MCS2)	18.79	23.98	-5.19	-0.80	17.99	30.00	-12.01
	5680	136	24/25.8 (MCS2)	17.68	23.98	-6.30	-0.80	16.88	30.00	-13.12
	5700	140	24/25.8 (MCS2)	14.37	23.98	-9.61	-0.80	13.57	30.00	-16.43
	5720	144	24/25.8 (MCS2)	18.92	23.98	-5.06	-0.80	18.12	30.00	-11.88
	5745	149	24/25.8 (MCS2)	19.24	30.00	-10.76	-1.40	17.84	-	-
	5785	157	24/25.8 (MCS2)	19.48	30.00	-10.52	-1.40	18.08	-	-
	5825	165	24/25.8 (MCS2)	19.12	30.00	-10.88	-1.40	17.72	-	-

Table 7-45. ISED Antenna 1b 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11n						
	5190	38	40/40.5 (MCS2)	15.47	-	-	-1.60	13.87	23.01	-9.14
	5230	46	40/40.5 (MCS2)	17.63	-	-	-1.60	16.03	23.01	-6.98
	5270	54	40/40.5 (MCS2)	18.24	23.98	-5.74	-1.40	16.84	30.00	-13.16
	5310	62	40/40.5 (MCS2)	13.45	23.98	-10.53	-1.40	12.05	30.00	-17.95
	5510	102	40/40.5 (MCS2)	13.90	23.98	-10.08	-0.80	13.10	30.00	-16.90
	5550	110	40/40.5 (MCS2)	18.46	23.98	-5.52	-0.80	17.66	30.00	-12.34
	5670	134	40/40.5 (MCS2)	17.10	23.98	-6.88	-0.80	16.30	30.00	-13.70
	5710	142	40/40.5 (MCS2)	18.45	23.98	-5.53	-0.80	17.65	30.00	-12.35
	5755	151	40/40.5 (MCS2)	18.41	23.98	-5.57	-1.40	17.01	-	-
	5795	159	40/40.5 (MCS2)	18.37	23.98	-5.61	-1.40	16.97	-	-

Table 7-46. ISED Antenna 1b 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5190	38	49/51.6 (MCS2)	14.66	-	-	-1.60	13.06	23.01	-9.96
	5230	46	49/51.6 (MCS2)	18.11	-	-	-1.60	16.51	23.01	-6.51
	5270	54	49/51.6 (MCS2)	18.27	23.98	-5.71	-1.40	16.87	30.00	-13.13
	5310	62	49/51.6 (MCS2)	12.74	23.98	-11.24	-1.40	11.34	30.00	-18.66
	5510	102	49/51.6 (MCS2)	13.20	23.98	-10.78	-0.80	12.40	30.00	-17.60
	5550	110	49/51.6 (MCS2)	17.74	23.98	-6.24	-0.80	16.94	30.00	-13.06
	5670	134	49/51.6 (MCS2)	16.45	23.98	-7.53	-0.80	15.65	30.00	-14.36
	5710	142	49/51.6 (MCS2)	18.39	23.98	-5.59	-0.80	17.59	30.00	-12.42
	5755	151	49/51.6 (MCS2)	18.22	30.00	-11.78	-1.40	16.82	-	-
	5795	159	49/51.6 (MCS2)	18.18	30.00	-11.82	-1.40	16.78	-	-

Table 7-47. ISED Antenna 1b 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 57 of 249

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ac						
	5210	42	87.8/97.5 (MCS2)	14.10	-	-	-1.60	12.50	23.01	-10.51
	5290	58	87.8/97.5 (MCS2)	11.91	23.98	-12.07	-1.40	10.51	30.00	-19.49
	5530	106	87.8/97.5 (MCS2)	13.43	23.98	-10.55	-0.80	12.63	30.00	-17.37
	5690	138	87.8/97.5 (MCS2)	18.66	23.98	-5.32	-0.80	17.86	30.00	-12.14
	5775	155	87.8/97.5 (MCS2)	17.82	30.00	-12.18	-1.40	16.42	-	-

Table 7-48. ISED Antenna 1b 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate [Mbps]	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]
				802.11ax						
	5210	42	102/108.1 (MCS2)	13.29	-	-	-1.60	11.69	23.01	-11.32
	5290	58	102/108.1 (MCS2)	11.38	23.98	-12.60	-1.40	9.98	30.00	-20.02
	5530	106	102/108.1 (MCS2)	12.80	23.98	-11.18	-0.80	12.00	30.00	-18.00
	5690	138	102/108.1 (MCS2)	18.71	23.98	-5.27	-0.80	17.91	30.00	-12.09
	5775	155	102/108.1 (MCS2)	17.09	30.00	-12.91	-1.40	15.69	-	-

Table 7-49. ISED Antenna 1b 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 58 of 249

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7.4.7 FCC CDD Primary Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 3a	Summed		
	5180	36	CDD	12 (MCS2)	16.70	16.86	19.79	23.98	-4.19
	5200	40	CDD	12 (MCS2)	16.73	16.65	19.70	23.98	-4.28
	5240	48	CDD	12 (MCS2)	16.68	16.99	19.85	23.98	-4.13
	5260	52	CDD	12 (MCS2)	16.77	16.67	19.73	23.98	-4.25
	5300	60	CDD	12 (MCS2)	16.90	16.93	19.93	23.98	-4.05
	5320	64	CDD	12 (MCS2)	16.97	16.63	19.81	23.98	-4.17
	5500	100	CDD	12 (MCS2)	16.99	16.65	19.84	23.98	-4.14
	5520	104	CDD	12 (MCS2)	16.88	16.61	19.75	23.98	-4.23
	5540	108	CDD	12 (MCS2)	16.80	16.67	19.74	23.98	-4.24
	5580	116	CDD	12 (MCS2)	16.94	16.89	19.92	23.98	-4.06
	5660	132	CDD	12 (MCS2)	16.79	16.76	19.78	23.98	-4.20
	5680	136	CDD	12 (MCS2)	16.89	16.98	19.94	23.98	-4.04
	5700	140	CDD	12 (MCS2)	15.15	15.41	18.29	23.98	-5.69
	5720	144	CDD	12 (MCS2)	16.96	16.94	19.96	23.98	-4.02
	5745	149	CDD	12 (MCS2)	20.30	20.20	23.26	30.00	-6.74
	5785	157	CDD	12 (MCS2)	20.30	20.17	23.24	30.00	-6.76
	5825	165	CDD	12 (MCS2)	20.29	20.49	23.40	30.00	-6.60

Table 7-50. FCC CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 3a	Summed		
	5180	36	CDD	39/43.4 (MCS2)	16.72	16.70	19.72	23.98	-4.26
	5200	40	CDD	39/43.4 (MCS2)	16.84	16.98	19.92	23.98	-4.06
	5240	48	CDD	39/43.4 (MCS2)	16.69	16.72	19.72	23.98	-4.26
	5260	52	CDD	39/43.4 (MCS2)	16.67	16.88	19.78	23.98	-4.20
	5300	60	CDD	39/43.4 (MCS2)	16.92	16.76	19.85	23.98	-4.13
	5320	64	CDD	39/43.4 (MCS2)	16.70	16.65	19.68	23.98	-4.30
	5500	100	CDD	39/43.4 (MCS2)	16.87	16.89	19.89	23.98	-4.09
	5520	104	CDD	39/43.4 (MCS2)	16.65	16.85	19.76	23.98	-4.22
	5540	108	CDD	39/43.4 (MCS2)	16.74	16.97	19.87	23.98	-4.11
	5580	116	CDD	39/43.4 (MCS2)	16.90	16.98	19.95	23.98	-4.03
	5660	132	CDD	39/43.4 (MCS2)	16.66	16.65	19.66	23.98	-4.32
	5680	136	CDD	39/43.4 (MCS2)	16.61	16.71	19.67	23.98	-4.31
	5700	140	CDD	39/43.4 (MCS2)	15.26	15.28	18.28	23.98	-5.70
	5720	144	CDD	39/43.4 (MCS2)	16.83	16.87	19.86	23.98	-4.12
	5745	149	CDD	39/43.4 (MCS2)	20.46	20.26	23.37	30.00	-6.63
	5785	157	CDD	39/43.4 (MCS2)	20.35	20.22	23.30	30.00	-6.70
	5825	165	CDD	39/43.4 (MCS2)	20.24	20.25	23.25	30.00	-6.75

Table 7-51. FCC CDD 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 59 of 249

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 3a	Summed		
	5180	36	CDD	48/251.6 (MCS2)	15.86	15.78	18.83	23.98	-5.15
	5200	40	CDD	48/251.6 (MCS2)	16.93	16.83	19.89	23.98	-4.09
	5240	48	CDD	48/251.6 (MCS2)	16.61	16.71	19.67	23.98	-4.31
	5260	52	CDD	48/251.6 (MCS2)	16.78	16.69	19.74	23.98	-4.24
	5300	60	CDD	48/251.6 (MCS2)	16.92	16.70	19.82	23.98	-4.16
	5320	64	CDD	48/251.6 (MCS2)	16.78	16.89	19.85	23.98	-4.13
	5500	100	CDD	48/251.6 (MCS2)	16.78	16.80	19.80	23.98	-4.18
	5520	104	CDD	48/251.6 (MCS2)	16.88	16.82	19.86	23.98	-4.12
	5540	108	CDD	48/251.6 (MCS2)	16.61	16.65	19.64	23.98	-4.34
	5580	116	CDD	48/251.6 (MCS2)	16.71	16.79	19.76	23.98	-4.22
	5660	132	CDD	48/251.6 (MCS2)	16.60	16.72	19.67	23.98	-4.31
	5680	136	CDD	48/251.6 (MCS2)	16.68	16.84	19.77	23.98	-4.21
	5700	140	CDD	48/251.6 (MCS2)	14.49	14.74	17.63	23.98	-6.35
	5720	144	CDD	48/251.6 (MCS2)	16.90	16.88	19.90	23.98	-4.08
	5745	149	CDD	48/251.6 (MCS2)	20.31	20.23	23.28	30.00	-6.72
	5785	157	CDD	48/251.6 (MCS2)	20.36	20.35	23.36	30.00	-6.64
	5825	165	CDD	48/251.6 (MCS2)	20.25	20.44	23.35	30.00	-6.65

Table 7-52. FCC CDD 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 3a	Summed		
	5190	38	CDD	80/81 (MCS2)	14.45	14.12	17.30	23.98	-6.68
	5230	46	CDD	80/81 (MCS2)	19.44	19.22	22.34	23.98	-1.64
	5270	54	CDD	80/81 (MCS2)	19.18	19.14	22.17	23.98	-1.81
	5310	62	CDD	80/81 (MCS2)	12.63	12.68	15.66	23.98	-8.32
	5510	102	CDD	80/81 (MCS2)	13.29	13.38	16.34	23.98	-7.64
	5550	110	CDD	80/81 (MCS2)	18.63	18.66	21.65	23.98	-2.33
	5590	118	CDD	80/81 (MCS2)	19.18	19.26	22.23	23.98	-1.75
	5630	126	CDD	80/81 (MCS2)	19.42	19.22	22.33	23.98	-1.65
	5670	134	CDD	80/81 (MCS2)	18.24	18.03	21.15	23.98	-2.83
	5710	142	CDD	80/81 (MCS2)	19.20	19.12	22.17	23.98	-1.81
	5755	151	CDD	80/81 (MCS2)	19.19	19.32	22.26	30.00	-7.74
	5795	159	CDD	80/81 (MCS2)	19.16	19.29	22.23	30.00	-7.77

Table 7-53. FCC CDD 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 60 of 249

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 3a	Summed		
	5190	38	CDD	98/103.2 (MCS2)	13.10	13.40	16.26	23.98	-7.72
	5230	46	CDD	98/103.2 (MCS2)	19.13	18.93	22.04	23.98	-1.94
	5270	54	CDD	98/103.2 (MCS2)	19.32	19.15	22.25	23.98	-1.73
	5310	62	CDD	98/103.2 (MCS2)	11.96	11.88	14.93	23.98	-9.05
	5510	102	CDD	98/103.2 (MCS2)	12.33	12.45	15.40	23.98	-8.58
	5550	110	CDD	98/103.2 (MCS2)	17.89	17.77	20.84	23.98	-3.14
	5590	118	CDD	98/103.2 (MCS2)	19.23	19.27	22.26	23.98	-1.72
	5630	126	CDD	98/103.2 (MCS2)	19.18	19.28	22.24	23.98	-1.74
	5670	134	CDD	98/103.2 (MCS2)	15.72	15.87	18.81	23.98	-5.17
	5710	142	CDD	98/103.2 (MCS2)	19.36	19.24	22.31	23.98	-1.67
	5755	151	CDD	98/103.2 (MCS2)	19.12	19.48	22.31	30.00	-7.69
	5795	159	CDD	98/103.2 (MCS2)	19.38	19.40	22.40	30.00	-7.60

Table 7-54. FCC CDD 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 3a	Summed		
	5210	42	CDD	175.6/195 (MCS2)	13.81	13.86	16.84	23.98	-7.14
	5290	58	CDD	175.6/195 (MCS2)	12.50	12.40	15.46	23.98	-8.52
	5530	106	CDD	175.6/195 (MCS2)	12.78	12.72	15.76	23.98	-8.22
	5610	122	CDD	175.6/195 (MCS2)	18.20	18.16	21.19	23.98	-2.79
	5690	138	CDD	175.6/195 (MCS2)	19.71	19.57	22.65	23.98	-1.33
	5775	155	CDD	175.6/195 (MCS2)	17.61	17.91	20.77	30.00	-9.23

Table 7-55. FCC CDD 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 3a	Summed		
	5210	42	CDD	204/216.2 (MCS2)	13.39	13.42	16.41	23.98	-7.57
	5290	58	CDD	204/216.2 (MCS2)	11.43	11.12	14.29	23.98	-9.69
	5530	106	CDD	204/216.2 (MCS2)	11.96	12.01	15.00	23.98	-8.98
	5610	122	CDD	204/216.2 (MCS2)	17.00	17.02	20.02	23.98	-3.96
	5690	138	CDD	204/216.2 (MCS2)	19.76	19.98	22.88	23.98	-1.10
	5775	155	CDD	204/216.2 (MCS2)	17.10	17.20	20.16	30.00	-9.84

Table 7-56. FCC CDD 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 61 of 249

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7.4.8 ISED CDD/SDM Primary Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 3a	Summed						
	5180	36	CDD	12 (MCS2)	11.74	11.41	14.59	-	-	2.30	16.89	23.01	-6.12
	5200	40	CDD	12 (MCS2)	11.56	11.58	14.58	-	-	2.30	16.88	23.01	-6.13
	5240	48	CDD	12 (MCS2)	11.60	11.47	14.54	-	-	2.30	16.84	23.01	-6.17
	5260	52	CDD	12 (MCS2)	16.77	16.67	19.73	23.98	-4.25	2.10	21.83	30.00	-8.17
	5300	60	CDD	12 (MCS2)	16.90	16.93	19.93	23.98	-4.05	2.10	22.03	30.00	-7.97
	5320	64	CDD	12 (MCS2)	16.97	16.63	19.81	23.98	-4.17	2.10	21.91	30.00	-8.09
	5500	100	CDD	12 (MCS2)	16.99	16.65	19.84	23.98	-4.14	3.90	23.74	30.00	-6.26
	5520	104	CDD	12 (MCS2)	16.88	16.61	19.75	23.98	-4.23	3.90	23.65	30.00	-6.35
	5540	108	CDD	12 (MCS2)	16.80	16.67	19.74	23.98	-4.24	3.90	23.64	30.00	-6.36
	5580	116	CDD	12 (MCS2)	16.94	16.89	19.92	23.98	-4.06	3.90	23.82	30.00	-6.18
	5660	132	CDD	12 (MCS2)	16.79	16.76	19.78	23.98	-4.20	3.90	23.68	30.00	-6.32
	5680	136	CDD	12 (MCS2)	16.89	16.98	19.94	23.98	-4.04	3.90	23.84	30.00	-6.16
	5700	140	CDD	12 (MCS2)	15.15	15.41	18.29	23.98	-5.69	3.90	22.19	30.00	-7.81
	5720	144	CDD	12 (MCS2)	16.96	16.94	19.96	23.98	-4.02	3.90	23.86	30.00	-6.14
	5745	149	CDD	12 (MCS2)	20.30	20.20	23.26	30.00	-6.74	3.10	26.36	-	-
	5785	157	CDD	12 (MCS2)	20.30	20.17	23.24	30.00	-6.76	3.10	26.34	-	-
	5825	165	CDD	12 (MCS2)	20.29	20.49	23.40	30.00	-6.60	3.10	26.50	-	-

Table 7-57. ISED CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 3a	Summed						
	5180	36	SDM	39/43.4 (MCS2)	14.45	14.37	17.42	-	-	1.26	18.68	23.01	-4.33
	5200	40	SDM	39/43.4 (MCS2)	14.16	14.34	17.26	-	-	1.26	18.52	23.01	-4.49
	5240	48	SDM	39/43.4 (MCS2)	14.24	14.20	17.23	-	-	1.26	18.49	23.01	-4.52
	5260	52	CDD	39/43.4 (MCS2)	16.67	16.88	19.78	23.98	-4.20	2.10	21.88	30.00	-8.12
	5300	60	CDD	39/43.4 (MCS2)	16.92	16.76	19.85	23.98	-4.13	2.10	21.95	30.00	-8.05
	5320	64	CDD	39/43.4 (MCS2)	16.70	16.65	19.68	23.98	-4.30	2.10	21.78	30.00	-8.22
	5500	100	CDD	39/43.4 (MCS2)	16.87	16.89	19.89	23.98	-4.09	3.90	23.79	30.00	-6.21
	5520	104	CDD	39/43.4 (MCS2)	16.65	16.85	19.76	23.98	-4.22	3.90	23.66	30.00	-6.34
	5540	108	CDD	39/43.4 (MCS2)	16.74	16.97	19.87	23.98	-4.11	3.90	23.77	30.00	-6.23
	5580	116	CDD	39/43.4 (MCS2)	16.90	16.98	19.95	23.98	-4.03	3.90	23.85	30.00	-6.15
	5660	132	CDD	39/43.4 (MCS2)	16.66	16.65	19.66	23.98	-4.32	3.90	23.56	30.00	-6.44
	5680	136	CDD	39/43.4 (MCS2)	16.61	16.71	19.67	23.98	-4.31	3.90	23.57	30.00	-6.43
	5700	140	CDD	39/43.4 (MCS2)	15.26	15.28	18.28	23.98	-5.70	3.90	22.18	30.00	-7.82
	5720	144	CDD	39/43.4 (MCS2)	16.83	16.87	19.86	23.98	-4.12	3.90	23.76	30.00	-6.24
	5745	149	CDD	39/43.4 (MCS2)	20.46	20.26	23.37	30.00	-6.63	3.10	26.47	-	-
	5785	157	CDD	39/43.4 (MCS2)	20.35	20.22	23.30	30.00	-6.70	3.10	26.40	-	-
	5825	165	CDD	39/43.4 (MCS2)	20.24	20.25	23.25	30.00	-6.75	3.10	26.35	-	-

Table 7-58. ISED CDD/SDM 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 3a	Summed						
	5180	36	SDM	48/251.6 (MCS2)	14.11	14.37	17.26	-	-	1.26	18.52	23.01	-4.49
	5200	40	SDM	48/251.6 (MCS2)	14.49	14.41	17.46	-	-	1.26	18.72	23.01	-4.29
	5240	48	SDM	48/251.6 (MCS2)	14.30	14.28	17.30	-	-	1.26	18.56	23.01	-4.45
	5260	52	CDD	48/251.6 (MCS2)	16.78	16.69	19.74	23.98	-4.24	2.10	21.84	30.00	-8.16
	5300	60	CDD	48/251.6 (MCS2)	16.92	16.70	19.82	23.98	-4.16	2.10	21.92	30.00	-8.08
	5320	64	CDD	48/251.6 (MCS2)	16.78	16.89	19.85	23.98	-4.13	2.10	21.95	30.00	-8.05
	5500	100	CDD	48/251.6 (MCS2)	16.78	16.80	19.80	23.98	-4.18	3.90	23.70	30.00	-6.30
	5520	104	CDD	48/251.6 (MCS2)	16.88	16.82	19.86	23.98	-4.12	3.90	23.76	30.00	-6.24
	5540	108	CDD	48/251.6 (MCS2)	16.61	16.65	19.64	23.98	-4.34	3.90	23.54	30.00	-6.46
	5580	116	CDD	48/251.6 (MCS2)	16.71	16.79	19.76	23.98	-4.22	3.90	23.66	30.00	-6.34
	5660	132	CDD	48/251.6 (MCS2)	16.60	16.72	19.67	23.98	-4.31	3.90	23.57	30.00	-6.43
	5680	136	CDD	48/251.6 (MCS2)	16.68	16.84	19.77	23.98	-4.21	3.90	23.67	30.00	-6.33
	5700	140	CDD	48/251.6 (MCS2)	14.49	14.74	17.63	23.98	-6.35	3.90	21.53	30.00	-8.47
	5720	144	CDD	48/251.6 (MCS2)	16.90	16.88	19.90	23.98	-4.08	3.90	23.80	30.00	-6.20
	5745	149	CDD	48/251.6 (MCS2)	20.31	20.23	23.28	30.00	-6.72	3.10	26.38	-	-
	5785	157	CDD	48/251.6 (MCS2)	20.36	20.35	23.36	30.00	-6.64	3.10	26.46	-	-
	5825	165	CDD	48/251.6 (MCS2)	20.25	20.44	23.35	30.00	-6.65	3.10	26.45	-	-

Table 7-59. ISED CDD/SDM 20MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 62 of 249

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 3a	Summed						
	5190	38	SDM	80/81 (MCS2)	14.34	13.45	16.93	-	-	1.26	18.19	23.01	-4.82
	5230	46	SDM	80/81 (MCS2)	16.62	15.98	19.32	-	-	1.26	20.58	23.01	-2.43
	5270	54	CDD	80/81 (MCS2)	19.18	19.14	22.17	23.98	-1.81	2.10	24.27	30.00	-5.73
	5310	62	CDD	80/81 (MCS2)	12.63	12.68	15.66	23.98	-8.32	2.10	17.76	30.00	-12.24
	5510	102	CDD	80/81 (MCS2)	13.29	13.38	16.34	23.98	-7.64	3.90	20.24	30.00	-9.76
	5550	110	CDD	80/81 (MCS2)	18.63	18.66	21.65	23.98	-2.33	3.90	25.55	30.00	-4.45
	5670	134	CDD	80/81 (MCS2)	18.24	18.03	21.15	23.98	-2.83	3.90	25.05	30.00	-4.95
	5710	142	CDD	80/81 (MCS2)	19.20	19.12	22.17	23.98	-1.81	3.90	26.07	30.00	-3.93
	5755	151	CDD	80/81 (MCS2)	19.19	19.32	22.26	30.00	-7.74	3.10	25.36	-	-
	5795	159	CDD	80/81 (MCS2)	19.16	19.29	22.23	30.00	-7.77	3.10	25.33	-	-

Table 7-60. ISED CDD/SDM 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 3a	Summed						
	5190	38	CDD	98/103.2 (MCS2)	13.05	13.46	16.27	-	-	2.30	18.57	23.01	-4.44
	5230	46	SDM	98/103.2 (MCS2)	17.33	17.21	20.28	-	-	1.26	21.54	23.01	-1.47
	5270	54	CDD	98/103.2 (MCS2)	19.32	19.15	22.25	23.98	-1.73	2.10	24.35	30.00	-5.65
	5310	62	CDD	98/103.2 (MCS2)	11.96	11.88	14.93	23.98	-9.05	2.10	17.03	30.00	-12.97
	5510	102	CDD	98/103.2 (MCS2)	12.33	12.45	15.40	23.98	-8.58	3.90	19.30	30.00	-10.70
	5550	110	CDD	98/103.2 (MCS2)	17.89	17.77	20.84	23.98	-3.14	3.90	24.74	30.00	-5.26
	5670	134	CDD	98/103.2 (MCS2)	15.72	15.87	18.81	23.98	-5.17	3.90	22.71	30.00	-7.29
	5710	142	CDD	98/103.2 (MCS2)	19.36	19.24	22.31	23.98	-1.67	3.90	26.21	30.00	-3.79
	5755	151	CDD	98/103.2 (MCS2)	19.12	19.48	22.31	30.00	-7.69	3.10	25.41	-	-
	5795	159	CDD	98/103.2 (MCS2)	19.38	19.40	22.40	30.00	-7.60	3.10	25.50	-	-

Table 7-61. ISED CDD/SDM 40MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 3a	Summed						
	5210	42	CDD	175.6/195 (MCS2)	13.65	13.87	16.77	-	-	2.30	19.07	23.01	-3.94
	5290	58	CDD	175.6/195 (MCS2)	12.50	12.40	15.46	23.98	-8.52	2.10	17.56	30.00	-12.44
	5530	106	CDD	175.6/195 (MCS2)	12.78	12.72	15.76	23.98	-8.22	3.90	19.66	30.00	-10.34
	5690	138	CDD	175.6/195 (MCS2)	19.71	19.57	22.65	23.98	-1.33	3.90	26.55	30.00	-3.45
	5775	155	CDD	175.6/195 (MCS2)	17.61	17.91	20.77	30.00	-9.23	3.10	23.87	-	-

Table 7-62. ISED CDD 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 3a	Summed						
	5210	42	CDD	204/216.2 (MCS2)	13.38	13.47	16.43	-	-	2.30	18.73	23.01	-4.28
	5290	58	CDD	204/216.2 (MCS2)	11.43	11.12	14.29	23.98	-9.69	2.10	16.39	30.00	-13.61
	5530	106	CDD	204/216.2 (MCS2)	11.96	12.01	15.00	23.98	-8.98	3.90	18.90	30.00	-11.10
	5690	138	CDD	204/216.2 (MCS2)	19.76	19.98	22.88	23.98	-1.10	3.90	26.78	30.00	-3.22
	5775	155	CDD	204/216.2 (MCS2)	17.10	17.20	20.16	30.00	-9.84	3.10	23.26	-	-

Table 7-63. ISED CDD 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 63 of 249

7.4.9 FCC CDD Diversity Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 1b	Summed		
	5180	36	CDD	12 (MCS2)	16.70	15.95	19.35	23.98	-4.63
	5200	40	CDD	12 (MCS2)	16.73	15.85	19.32	23.98	-4.66
	5240	48	CDD	12 (MCS2)	16.68	16.00	19.36	23.98	-4.62
	5260	52	CDD	12 (MCS2)	16.77	15.87	19.35	23.98	-4.63
	5300	60	CDD	12 (MCS2)	16.90	15.96	19.47	23.98	-4.51
	5320	64	CDD	12 (MCS2)	16.97	15.68	19.39	23.98	-4.59
	5500	100	CDD	12 (MCS2)	16.99	15.77	19.44	23.98	-4.54
	5520	104	CDD	12 (MCS2)	16.88	15.98	19.46	23.98	-4.52
	5540	108	CDD	12 (MCS2)	16.80	15.80	19.33	23.98	-4.65
	5580	116	CDD	12 (MCS2)	16.94	15.83	19.43	23.98	-4.55
	5660	132	CDD	12 (MCS2)	16.79	15.87	19.36	23.98	-4.62
	5680	136	CDD	12 (MCS2)	16.89	15.99	19.47	23.98	-4.51
	5700	140	CDD	12 (MCS2)	15.15	14.47	17.83	23.98	-6.15
	5720	144	CDD	12 (MCS2)	16.96	15.68	19.38	23.98	-4.60
	5745	149	CDD	12 (MCS2)	20.30	19.21	22.80	30.00	-7.20
	5785	157	CDD	12 (MCS2)	20.30	19.37	22.87	30.00	-7.13
	5825	165	CDD	12 (MCS2)	20.29	19.48	22.92	30.00	-7.08

Table 7-64. FCC CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 1b	Summed		
	5180	36	CDD	39/43.4 (MCS2)	16.72	15.71	19.25	23.98	-4.73
	5200	40	CDD	39/43.4 (MCS2)	16.84	15.64	19.30	23.98	-4.68
	5240	48	CDD	39/43.4 (MCS2)	16.69	15.78	19.27	23.98	-4.71
	5260	52	CDD	39/43.4 (MCS2)	16.67	15.64	19.20	23.98	-4.78
	5300	60	CDD	39/43.4 (MCS2)	16.92	15.74	19.38	23.98	-4.60
	5320	64	CDD	39/43.4 (MCS2)	16.70	15.75	19.26	23.98	-4.72
	5500	100	CDD	39/43.4 (MCS2)	16.87	15.85	19.40	23.98	-4.58
	5520	104	CDD	39/43.4 (MCS2)	16.65	15.63	19.18	23.98	-4.80
	5540	108	CDD	39/43.4 (MCS2)	16.74	15.87	19.34	23.98	-4.64
	5580	116	CDD	39/43.4 (MCS2)	16.90	15.79	19.39	23.98	-4.59
	5660	132	CDD	39/43.4 (MCS2)	16.66	15.94	19.33	23.98	-4.65
	5680	136	CDD	39/43.4 (MCS2)	16.61	15.70	19.19	23.98	-4.79
	5700	140	CDD	39/43.4 (MCS2)	15.26	14.11	17.73	23.98	-6.25
	5720	144	CDD	39/43.4 (MCS2)	16.83	15.73	19.32	23.98	-4.66
	5745	149	CDD	39/43.4 (MCS2)	20.46	19.16	22.87	30.00	-7.13
	5785	157	CDD	39/43.4 (MCS2)	20.35	19.44	22.93	30.00	-7.07
	5825	165	CDD	39/43.4 (MCS2)	20.24	19.46	22.88	30.00	-7.12

Table 7-65. FCC CDD 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 64 of 249

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 1b	Summed		
	5180	36	CDD	48/251.6 (MCS2)	15.86	14.64	18.30	23.98	-5.68
	5200	40	CDD	48/251.6 (MCS2)	16.93	15.84	19.43	23.98	-4.55
	5240	48	CDD	48/251.6 (MCS2)	16.61	15.61	19.15	23.98	-4.83
	5260	52	CDD	48/251.6 (MCS2)	16.78	15.72	19.29	23.98	-4.69
	5300	60	CDD	48/251.6 (MCS2)	16.92	15.82	19.41	23.98	-4.57
	5320	64	CDD	48/251.6 (MCS2)	16.78	15.72	19.29	23.98	-4.69
	5500	100	CDD	48/251.6 (MCS2)	16.78	15.98	19.41	23.98	-4.57
	5520	104	CDD	48/251.6 (MCS2)	16.88	15.69	19.33	23.98	-4.65
	5540	108	CDD	48/251.6 (MCS2)	16.61	15.84	19.25	23.98	-4.73
	5580	116	CDD	48/251.6 (MCS2)	16.71	15.86	19.32	23.98	-4.66
	5660	132	CDD	48/251.6 (MCS2)	16.60	15.86	19.26	23.98	-4.72
	5680	136	CDD	48/251.6 (MCS2)	16.68	15.87	19.30	23.98	-4.68
	5700	140	CDD	48/251.6 (MCS2)	14.49	13.42	17.00	23.98	-6.98
	5720	144	CDD	48/251.6 (MCS2)	16.90	15.73	19.36	23.98	-4.62
	5745	149	CDD	48/251.6 (MCS2)	20.31	19.42	22.90	30.00	-7.10
	5785	157	CDD	48/251.6 (MCS2)	20.36	19.47	22.95	30.00	-7.05
	5825	165	CDD	48/251.6 (MCS2)	20.25	19.07	22.71	30.00	-7.29

Table 7-66. FCC CDD 20MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 1b	Summed		
	5190	38	CDD	80/81 (MCS2)	14.45	13.38	16.96	23.98	-7.02
	5230	46	CDD	80/81 (MCS2)	19.44	18.25	21.89	23.98	-2.09
	5270	54	CDD	80/81 (MCS2)	19.18	18.19	21.72	23.98	-2.26
	5310	62	CDD	80/81 (MCS2)	12.63	11.87	15.28	23.98	-8.70
	5510	102	CDD	80/81 (MCS2)	13.29	12.11	15.75	23.98	-8.23
	5550	110	CDD	80/81 (MCS2)	18.63	17.86	21.27	23.98	-2.71
	5590	118	CDD	80/81 (MCS2)	19.18	18.42	21.83	23.98	-2.15
	5630	126	CDD	80/81 (MCS2)	19.42	18.33	21.92	23.98	-2.06
	5670	134	CDD	80/81 (MCS2)	18.24	17.14	20.74	23.98	-3.24
	5710	142	CDD	80/81 (MCS2)	19.20	18.29	21.78	23.98	-2.20
	5755	151	CDD	80/81 (MCS2)	19.19	18.42	21.83	30.00	-8.17
	5795	159	CDD	80/81 (MCS2)	19.16	18.18	21.71	30.00	-8.29

Table 7-67. FCC CDD 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 65 of 249

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 1b	Summed		
	5190	38	CDD	98/103.2 (MCS2)	13.10	12.19	15.68	23.98	-8.30
	5230	46	CDD	98/103.2 (MCS2)	19.13	18.05	21.63	23.98	-2.35
	5270	54	CDD	98/103.2 (MCS2)	19.32	18.20	21.81	23.98	-2.17
	5310	62	CDD	98/103.2 (MCS2)	11.96	10.69	14.38	23.98	-9.60
	5510	102	CDD	98/103.2 (MCS2)	12.33	11.39	14.90	23.98	-9.08
	5550	110	CDD	98/103.2 (MCS2)	17.89	16.97	20.46	23.98	-3.52
	5590	118	CDD	98/103.2 (MCS2)	19.23	18.46	21.87	23.98	-2.11
	5630	126	CDD	98/103.2 (MCS2)	19.18	18.40	21.82	23.98	-2.16
	5670	134	CDD	98/103.2 (MCS2)	15.72	14.80	18.29	23.98	-5.69
	5710	142	CDD	98/103.2 (MCS2)	19.36	18.37	21.90	23.98	-2.08
	5755	151	CDD	98/103.2 (MCS2)	19.12	18.39	21.78	30.00	-8.22
	5795	159	CDD	98/103.2 (MCS2)	19.38	18.28	21.87	30.00	-8.13

Table 7-68. FCC CDD 40MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 1b	Summed		
	5210	42	CDD	175.6/195 (MCS2)	13.81	12.92	16.40	23.98	-7.58
	5290	58	CDD	175.6/195 (MCS2)	12.50	11.45	15.02	23.98	-8.96
	5530	106	CDD	175.6/195 (MCS2)	12.78	11.82	15.34	23.98	-8.64
	5610	122	CDD	175.6/195 (MCS2)	18.20	17.28	20.77	23.98	-3.21
	5690	138	CDD	175.6/195 (MCS2)	19.71	18.67	22.23	23.98	-1.75
	5775	155	CDD	175.6/195 (MCS2)	17.61	16.96	20.31	30.00	-9.69

Table 7-69. FCC CDD 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 3c	Antenna 1b	Summed		
	5210	42	CDD	204/216.2 (MCS2)	13.39	12.21	15.85	23.98	-8.13
	5290	58	CDD	204/216.2 (MCS2)	11.43	10.37	13.94	23.98	-10.04
	5530	106	CDD	204/216.2 (MCS2)	11.96	11.07	14.55	23.98	-9.43
	5610	122	CDD	204/216.2 (MCS2)	17.00	15.98	19.53	23.98	-4.45
	5690	138	CDD	204/216.2 (MCS2)	19.76	18.83	22.33	23.98	-1.65
	5775	155	CDD	204/216.2 (MCS2)	17.10	16.19	19.68	30.00	-10.32

Table 7-70. FCC CDD 80MHz BW 802.11ax (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.4.10 ISED CDD/SDM Diversity Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 1b	Summed						
	5180	36	CDD	12 (MCS2)	11.74	10.51	14.18	-	-	2.30	16.48	23.01	-6.53
	5200	40	CDD	12 (MCS2)	11.56	10.44	14.04	-	-	2.30	16.34	23.01	-6.67
	5240	48	CDD	12 (MCS2)	11.60	10.37	14.04	-	-	2.30	16.34	23.01	-6.67
	5260	52	CDD	12 (MCS2)	16.77	15.87	19.35	23.98	-4.63	2.10	21.45	30.00	-8.55
	5300	60	CDD	12 (MCS2)	16.90	15.96	19.47	23.98	-4.51	2.10	21.57	30.00	-8.43
	5320	64	CDD	12 (MCS2)	16.97	15.68	19.39	23.98	-4.59	2.10	21.49	30.00	-8.51
	5500	100	CDD	12 (MCS2)	16.99	15.77	19.44	23.98	-4.54	3.90	23.34	30.00	-6.66
	5520	104	CDD	12 (MCS2)	16.88	15.98	19.46	23.98	-4.52	3.90	23.36	30.00	-6.64
	5540	108	CDD	12 (MCS2)	16.80	15.80	19.33	23.98	-4.65	3.90	23.23	30.00	-6.77
	5580	116	CDD	12 (MCS2)	16.94	15.83	19.43	23.98	-4.55	3.90	23.33	30.00	-6.67
	5660	132	CDD	12 (MCS2)	16.79	15.87	19.36	23.98	-4.62	3.90	23.26	30.00	-6.74
	5680	136	CDD	12 (MCS2)	16.89	15.99	19.47	23.98	-4.51	3.90	23.37	30.00	-6.63
	5700	140	CDD	12 (MCS2)	15.15	14.47	17.83	23.98	-6.15	3.90	21.73	30.00	-8.27
	5720	144	CDD	12 (MCS2)	16.96	15.68	19.38	23.98	-4.60	3.90	23.28	30.00	-6.72
	5745	149	CDD	12 (MCS2)	20.30	19.21	22.80	30.00	-7.20	3.10	25.90	-	-
	5785	157	CDD	12 (MCS2)	20.30	19.37	22.87	30.00	-7.13	3.10	25.97	-	-
	5825	165	CDD	12 (MCS2)	20.29	19.48	22.92	30.00	-7.08	3.10	26.02	-	-

Table 7-71. ISED CDD 20MHz BW 802.11a (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 1b	Summed						
	5180	36	SDM	39/43.4 (MCS2)	14.45	13.29	16.92	-	-	0.77	17.69	23.01	-5.32
	5200	40	SDM	39/43.4 (MCS2)	14.16	13.32	16.77	-	-	0.77	17.54	23.01	-5.47
	5240	48	SDM	39/43.4 (MCS2)	14.24	13.38	16.84	-	-	0.77	17.61	23.01	-5.40
	5260	52	CDD	39/43.4 (MCS2)	16.67	15.64	19.20	23.98	-4.78	2.10	21.30	30.00	-8.70
	5300	60	CDD	39/43.4 (MCS2)	16.92	15.74	19.38	23.98	-4.60	2.10	21.48	30.00	-8.52
	5320	64	CDD	39/43.4 (MCS2)	16.70	15.75	19.26	23.98	-4.72	2.10	21.36	30.00	-8.64
	5500	100	CDD	39/43.4 (MCS2)	16.87	15.85	19.40	23.98	-4.58	3.90	23.30	30.00	-6.70
	5520	104	CDD	39/43.4 (MCS2)	16.65	15.63	19.18	23.98	-4.80	3.90	23.08	30.00	-6.92
	5540	108	CDD	39/43.4 (MCS2)	16.74	15.87	19.34	23.98	-4.64	3.90	23.24	30.00	-6.76
	5580	116	CDD	39/43.4 (MCS2)	16.90	15.79	19.39	23.98	-4.59	3.90	23.29	30.00	-6.71
	5660	132	CDD	39/43.4 (MCS2)	16.66	15.94	19.33	23.98	-4.65	3.90	23.23	30.00	-6.77
	5680	136	CDD	39/43.4 (MCS2)	16.61	15.70	19.19	23.98	-4.79	3.90	23.09	30.00	-6.91
	5700	140	CDD	39/43.4 (MCS2)	15.26	14.11	17.73	23.98	-6.25	3.90	21.63	30.00	-8.37
	5720	144	CDD	39/43.4 (MCS2)	16.83	15.73	19.32	23.98	-4.66	3.90	23.22	30.00	-6.78
	5745	149	CDD	39/43.4 (MCS2)	20.46	19.16	22.87	30.00	-7.13	3.10	25.97	-	-
	5785	157	CDD	39/43.4 (MCS2)	20.35	19.44	22.93	30.00	-7.07	3.10	26.03	-	-
	5825	165	CDD	39/43.4 (MCS2)	20.24	19.46	22.88	30.00	-7.12	3.10	25.98	-	-

Table 7-72. ISED CDD 20MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 1b	Summed						
	5180	36	SDM	48/251.6 (MCS2)	14.11	13.13	16.66	-	-	0.77	17.43	23.01	-5.58
	5200	40	SDM	48/251.6 (MCS2)	14.49	13.33	16.96	-	-	0.77	17.73	23.01	-5.28
	5240	48	SDM	48/251.6 (MCS2)	14.30	13.49	16.92	-	-	0.77	17.69	23.01	-5.32
	5260	52	CDD	48/251.6 (MCS2)	16.78	15.72	19.29	23.98	-4.69	2.10	21.39	30.00	-8.61
	5300	60	CDD	48/251.6 (MCS2)	16.92	15.82	19.41	23.98	-4.57	2.10	21.51	30.00	-8.49
	5320	64	CDD	48/251.6 (MCS2)	16.78	15.72	19.29	23.98	-4.69	2.10	21.39	30.00	-8.61
	5500	100	CDD	48/251.6 (MCS2)	16.78	15.98	19.41	23.98	-4.57	3.90	23.31	30.00	-6.69
	5520	104	CDD	48/251.6 (MCS2)	16.88	15.69	19.33	23.98	-4.65	3.90	23.23	30.00	-6.77
	5540	108	CDD	48/251.6 (MCS2)	16.61	15.84	19.25	23.98	-4.73	3.90	23.15	30.00	-6.85
	5580	116	CDD	48/251.6 (MCS2)	16.71	15.86	19.32	23.98	-4.66	3.90	23.22	30.00	-6.78
	5660	132	CDD	48/251.6 (MCS2)	16.60	15.86	19.26	23.98	-4.72	3.90	23.16	30.00	-6.84
	5680	136	CDD	48/251.6 (MCS2)	16.68	15.87	19.30	23.98	-4.68	3.90	23.20	30.00	-6.80
	5700	140	CDD	48/251.6 (MCS2)	14.49	13.42	17.00	23.98	-6.98	3.90	20.90	30.00	-9.10
	5720	144	CDD	48/251.6 (MCS2)	16.90	15.73	19.36	23.98	-4.62	3.90	23.26	30.00	-6.74
	5745	149	CDD	48/251.6 (MCS2)	20.31	19.42	22.90	30.00	-7.10	3.10	26.00	-	-
	5785	157	CDD	48/251.6 (MCS2)	20.36	19.47	22.95	30.00	-7.05	3.10	26.05	-	-
	5825	165	CDD	48/251.6 (MCS2)	20.25	19.07	22.71	30.00	-7.29	3.10	25.81	-	-

Table 7-73. ISED CDD 20MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 1b	Summed						
	5190	38	SDM	80/81 (MCS2)	14.34	14.18	17.28	-	-	0.77	18.05	23.01	-4.96
	5230	46	SDM	80/81 (MCS2)	16.62	16.83	19.74	-	-	0.77	20.51	23.01	-2.50
	5270	54	CDD	80/81 (MCS2)	19.18	18.19	21.72	23.98	-2.26	2.10	23.82	30.00	-6.18
	5310	62	CDD	80/81 (MCS2)	12.63	11.87	15.28	23.98	-8.70	2.10	17.38	30.00	-12.62
	5510	102	CDD	80/81 (MCS2)	13.29	12.11	15.75	23.98	-8.23	3.90	19.65	30.00	-10.35
	5550	110	CDD	80/81 (MCS2)	18.63	17.86	21.27	23.98	-2.71	3.90	25.17	30.00	-4.83
	5670	134	CDD	80/81 (MCS2)	18.24	17.14	20.74	23.98	-3.24	3.90	24.64	30.00	-5.36
	5710	142	CDD	80/81 (MCS2)	19.20	18.29	21.78	23.98	-2.20	3.90	25.68	30.00	-4.32
	5755	151	CDD	80/81 (MCS2)	19.19	18.42	21.83	30.00	-8.17	3.10	24.93	-	-
	5795	159	CDD	80/81 (MCS2)	19.16	18.18	21.71	30.00	-8.29	3.10	24.81	-	-

Table 7-74. ISED CDD 40MHz BW 802.11n (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 1b	Summed						
	5190	38	CDD	98/103.2 (MCS2)	13.05	12.17	15.64	-	-	2.30	17.94	23.01	-5.07
	5230	46	SDM	98/103.2 (MCS2)	17.33	16.25	19.84	-	-	0.77	20.61	23.01	-2.40
	5270	54	CDD	98/103.2 (MCS2)	19.32	18.20	21.81	23.98	-2.17	2.10	23.91	30.00	-6.09
	5310	62	CDD	98/103.2 (MCS2)	11.96	10.69	14.38	23.98	-9.60	2.10	16.48	30.00	-13.52
	5510	102	CDD	98/103.2 (MCS2)	12.33	11.39	14.90	23.98	-9.08	3.90	18.80	30.00	-11.20
	5550	110	CDD	98/103.2 (MCS2)	17.89	16.97	20.46	23.98	-3.52	3.90	24.36	30.00	-5.64
	5670	134	CDD	98/103.2 (MCS2)	15.72	14.80	18.29	23.98	-5.69	3.90	22.19	30.00	-7.81
	5710	142	CDD	98/103.2 (MCS2)	19.36	18.37	21.90	23.98	-2.08	3.90	25.80	30.00	-4.20
	5755	151	CDD	98/103.2 (MCS2)	19.12	18.39	21.78	30.00	-8.22	3.10	24.88	-	-
	5795	159	CDD	98/103.2 (MCS2)	19.38	18.28	21.87	30.00	-8.13	3.10	24.97	-	-

Table 7-75. ISED CDD 40MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 1b	Summed						
	5210	42	CDD	175.6/195 (MCS2)	13.65	12.94	16.32	-	-	2.30	18.62	23.01	-4.39
	5290	58	CDD	175.6/195 (MCS2)	12.50	11.45	15.02	23.98	-8.96	2.10	17.12	30.00	-12.88
	5530	106	CDD	175.6/195 (MCS2)	12.78	11.82	15.34	23.98	-8.64	3.90	19.24	30.00	-10.76
	5690	138	CDD	175.6/195 (MCS2)	19.71	18.67	22.23	23.98	-1.75	3.90	26.13	30.00	-3.87
	5775	155	CDD	175.6/195 (MCS2)	17.61	16.96	20.31	30.00	-9.69	3.10	23.41	-	-

Table 7-76. ISED CDD 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power and Max EIRP

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate [Mbps]	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 3c	Antenna 1b	Summed						
	5210	42	CDD	204/216.2 (MCS2)	13.38	12.26	15.86	-	-	2.30	18.16	23.01	-4.85
	5290	58	CDD	204/216.2 (MCS2)	11.43	10.37	13.94	23.98	-10.04	2.10	16.04	30.00	-13.96
	5530	106	CDD	204/216.2 (MCS2)	11.96	11.07	14.55	23.98	-9.43	3.90	18.45	30.00	-11.55
	5690	138	CDD	204/216.2 (MCS2)	19.76	18.83	22.33	23.98	-1.65	3.90	26.23	30.00	-3.77
	5775	155	CDD	204/216.2 (MCS2)	17.10	16.19	19.68	30.00	-10.32	3.10	22.78	-	-

Table 7-77. ISED CDD 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power and Max EIRP

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Note:

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna 3c and Antenna 3a were first measured separately during CDD/SDM 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 Section 14.6.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = G_{ANT} + \text{Array Gain dBi}$$

Per ANSI C63.10-2020 Section 14.6.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

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

Sample CDD/SDM Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 14.45 dBm for Antenna 3c and 14.37 dBm for Antenna 3a.

$$\text{Antenna 3c} + \text{Antenna 3a} = \text{CDD/SDM}$$

$$(14.45 \text{ dBm} + 14.37 \text{ dBm}) = (27.86 \text{ mW} + 27.35 \text{ mW}) = 55.21 \text{ mW} = 17.42 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 17.42 dBm with directional gain of 1.26 dBi.

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

$$17.42 \text{ dBm} + 1.26 \text{ dBi} = 18.68 \text{ dBm}$$

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7.5 Maximum Power Spectral Density

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3.i); RSS-247 [6.2]

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 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2020 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 – Section 12.4.2.2

KDB 789033 D02 v02r01 – Section F

ANSI C63.10-2020 – 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.

Test Setup

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



Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All data rates were investigated, and tabular data has been reported. Only the worst-case plot per bandwidth was reported.

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7.5.1 Antenna 3c Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	8.34	11.00	-2.66
	5200	40	n (20MHz)	39/43.3 (MCS4)	10.08	11.00	-0.92
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	10.24	11.00	-0.76
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	7.98	11.00	-3.03
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	10.36	11.00	-0.65
	5240	48	ax (SU) (20MHz)	24/25.8 (MCS2)	9.85	11.00	-1.15
	5190	38	n (40MHz)	40/40.5 (MCS2)	4.78	11.00	-6.22
	5230	46	n (40MHz)	81/90 (MCS4)	8.17	11.00	-2.83
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	2.56	11.00	-8.44
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	6.61	11.00	-4.39
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	0.48	11.00	-10.53
Band 2A	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-1.79	11.00	-12.79
	5260	52	n (20MHz)	19.5/21.7 (MCS2)	9.94	11.00	-1.07
	5300	60	n (20MHz)	39/43.3 (MCS4)	9.95	11.00	-1.05
	5320	64	n (20MHz)	19.5/21.7 (MCS2)	8.76	11.00	-2.24
	5260	52	ax (SU) (20MHz)	49/51.6 (MCS4)	9.70	11.00	-1.30
	5300	60	ax (SU) (20MHz)	49/51.6 (MCS4)	9.70	11.00	-1.30
	5320	64	ax (SU) (20MHz)	24/25.8 (MCS2)	7.93	11.00	-3.07
	5270	54	n (40MHz)	40/40.5 (MCS2)	7.57	11.00	-3.44
	5310	62	n (40MHz)	40/40.5 (MCS2)	2.16	11.00	-8.84
	5270	54	ax (SU) (40MHz)	271/286 (MCS11)	6.46	11.00	-4.54
	5310	62	ax (SU) (40MHz)	49/51.6 (MCS2)	0.11	11.00	-10.89
Band 2C	5290	58	ac (80MHz)	87.8/97.5 (MCS2)	-2.25	11.00	-13.25
	5290	58	ax (SU) (80MHz)	102/108.1 (MCS2)	-3.63	11.00	-14.63
	5500	100	n (20MHz)	19.5/21.7 (MCS2)	8.20	11.00	-2.80
	5580	116	n (20MHz)	39/43.3 (MCS4)	10.17	11.00	-0.83
	5700	140	n (20MHz)	19.5/21.7 (MCS2)	7.10	11.00	-3.90
	5720	144	n (20MHz)	39/43.3 (MCS4)	10.48	11.00	-0.52
	5500	100	ax (SU) (20MHz)	24/25.8 (MCS2)	7.74	11.00	-3.26
	5580	116	ax (SU) (20MHz)	24/25.8 (MCS2)	10.05	11.00	-0.95
	5700	140	ax (SU) (20MHz)	24/25.8 (MCS2)	6.06	11.00	-4.94
	5720	144	ax (SU) (20MHz)	49/51.6 (MCS4)	10.30	11.00	-0.70
	5510	102	n (40MHz)	40/40.5 (MCS2)	3.11	11.00	-7.89
	5550	110	n (40MHz)	40/40.5 (MCS2)	7.20	11.00	-3.80
	*5590	118	n (40MHz)	40/40.5 (MCS2)	6.80	11.00	-4.20
	5670	134	n (40MHz)	40/40.5 (MCS2)	5.94	11.00	-5.06
	5710	142	n (40MHz)	81/90 (MCS4)	7.83	11.00	-3.17
	5510	102	ax (SU) (40MHz)	49/51.6 (MCS2)	1.20	11.00	-9.80
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS4)	5.71	11.00	-5.29
	*5590	118	ax (SU) (40MHz)	271/286 (MCS11)	6.28	11.00	-4.72
	5670	134	ax (SU) (40MHz)	49/51.6 (MCS2)	4.10	11.00	-6.90
	5710	142	ax (SU) (40MHz)	271/286 (MCS11)	6.55	11.00	-4.45
	5530	106	ac (80MHz)	87.8/97.5 (MCS2)	-0.71	11.00	-11.71
	*5610	122	ac (80MHz)	87.8/97.5 (MCS2)	4.13	11.00	-6.88
	5690	138	ac (80MHz)	87.8/97.5 (MCS2)	5.11	11.00	-5.89
	5530	106	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.23	11.00	-13.23
	*5610	122	ax (SU) (80MHz)	204/216.2 (MCS4)	1.44	11.00	-9.56
	5690	138	ax (SU) (80MHz)	204/216.2 (MCS4)	3.79	11.00	-7.21

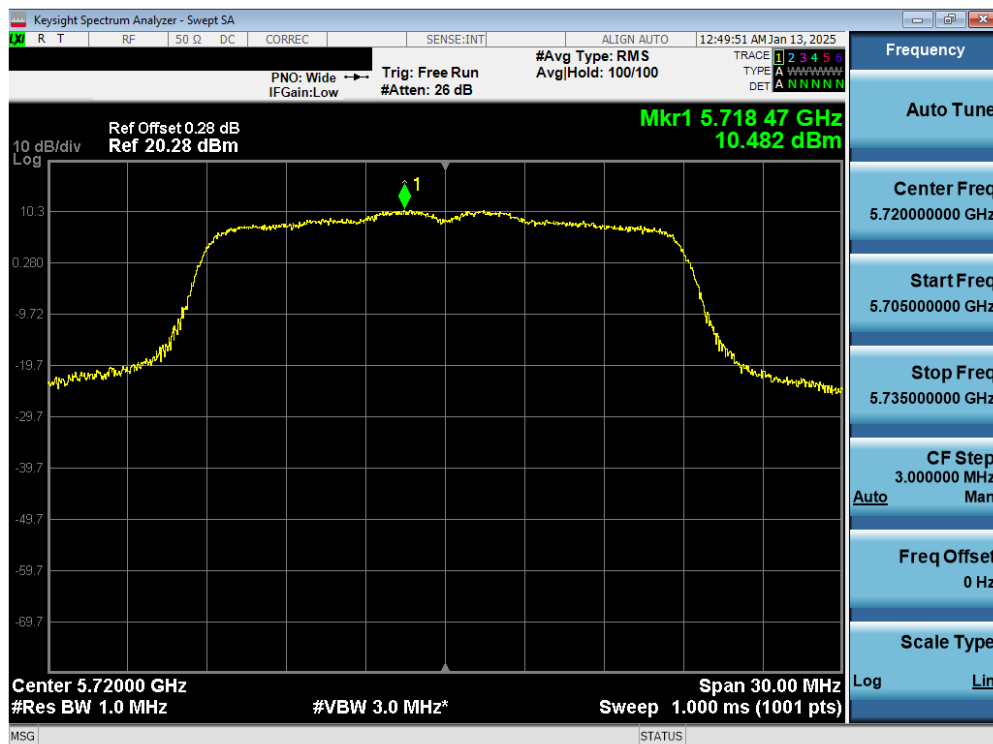
Table 7-78. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 3c

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

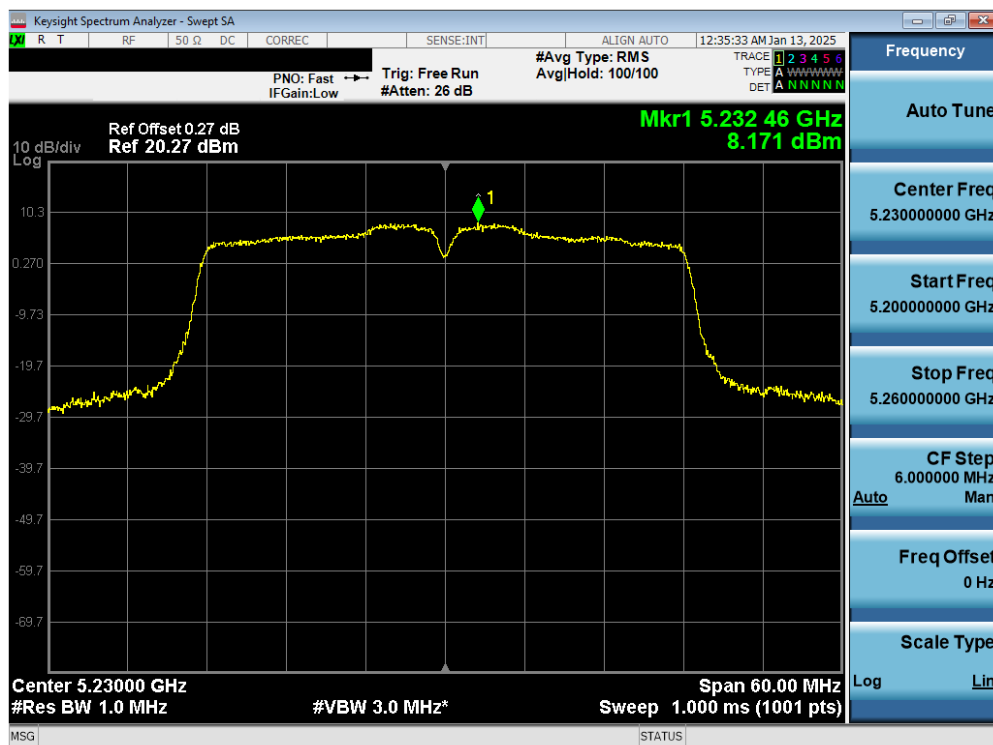
FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 71 of 249

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Plot 7-19. PSD Antenna 3c (20MHz BW 802.11n – Ch.144)

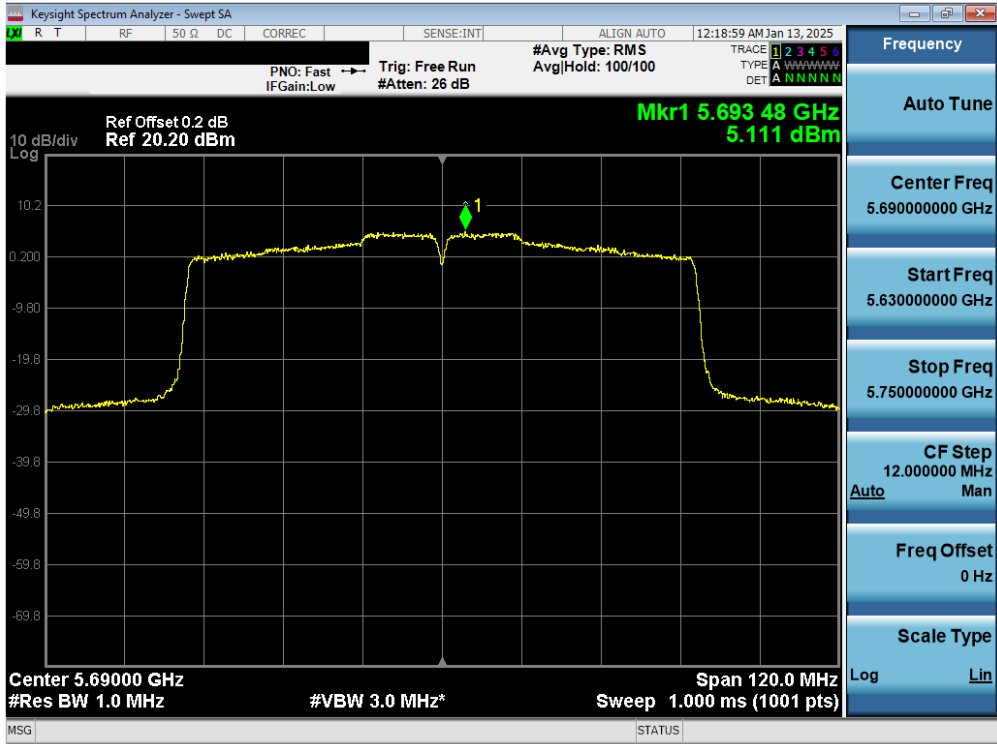


Plot 7-20. PSD Antenna 3c (40MHz BW 802.11n – Ch. 46)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 72 of 249

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Plot 7-21. PSD Antenna 3c (80MHz BW 802.11ac – Ch. 138)

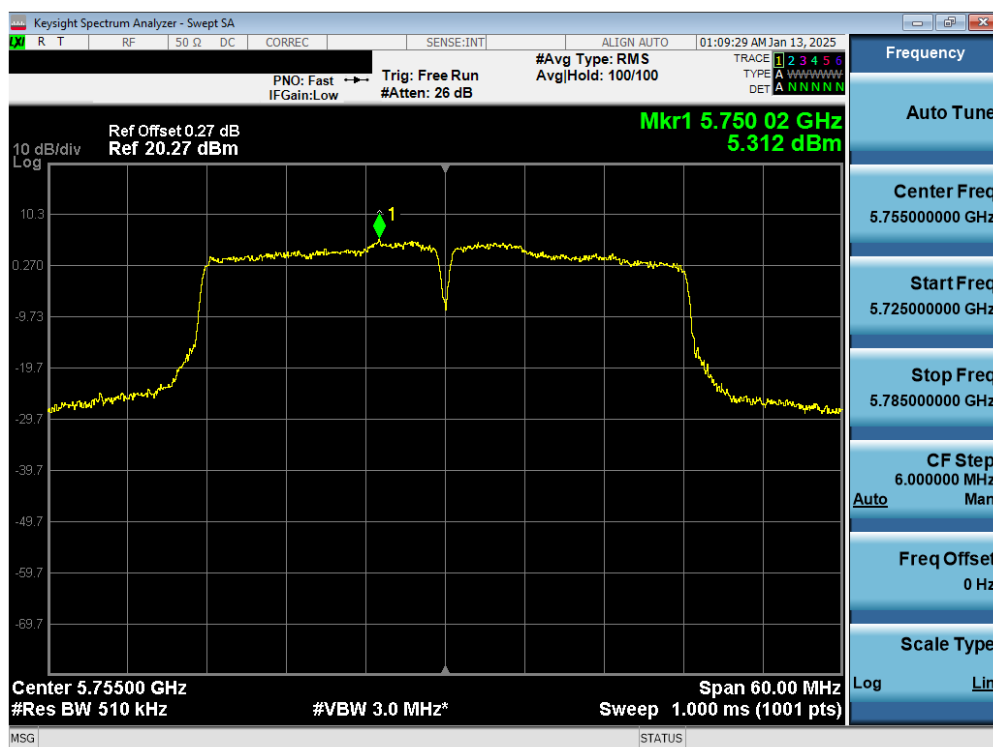
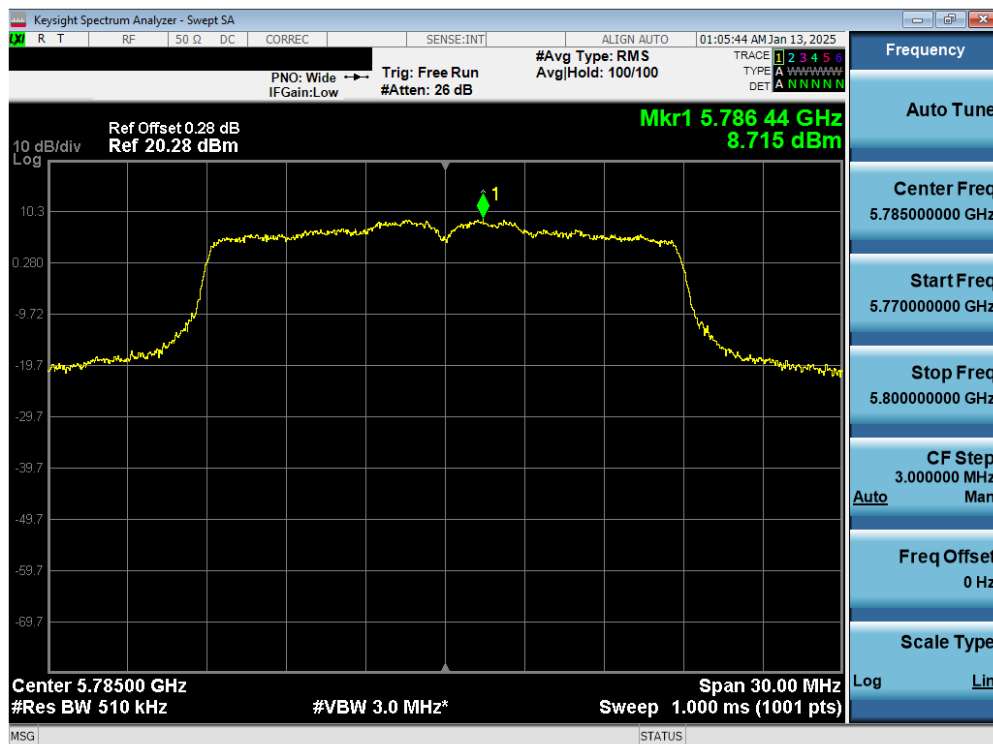
FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 73 of 249

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	39/43.3 (MCS4)	8.04	30.0	-21.96
	5785	157	n (20MHz)	39/43.3 (MCS4)	8.72	30.0	-21.29
	5825	165	n (20MHz)	19.5/21.7 (MCS2)	8.10	30.0	-21.90
	5745	149	ax (SU) (20MHz)	24/25.8 (MCS2)	8.28	30.0	-21.72
	5785	157	ax (SU) (20MHz)	49/51.6 (MCS4)	7.99	30.0	-22.01
	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	7.92	30.0	-22.08
	5755	151	n (40MHz)	81/90 (MCS4)	5.31	30.0	-24.69
	5795	159	n (40MHz)	40/40.5 (MCS2)	4.64	30.0	-25.36
	5755	151	ax (SU) (40MHz)	271/286 (MCS11)	4.40	30.0	-25.60
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	3.86	30.0	-26.14
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	1.43	30.0	-28.57
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	-0.40	30.0	-30.40

Table 7-79. Band 3 Power Spectral Density Measurements Antenna 3c

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 74 of 249

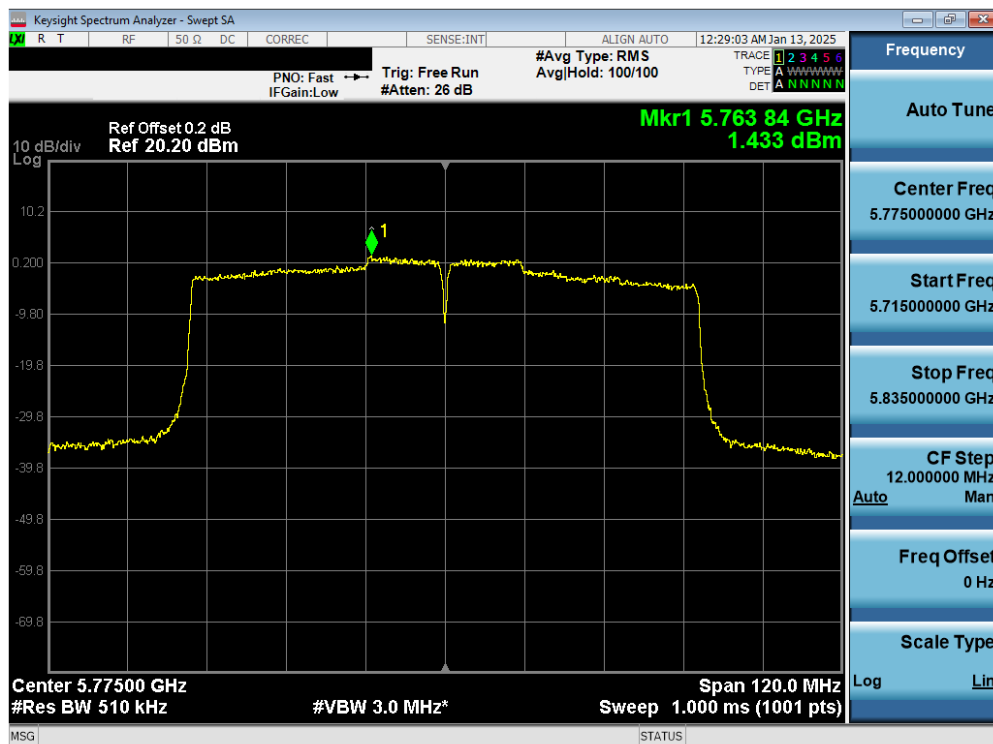
V 10.6 10/27/2023



FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 75 of 249

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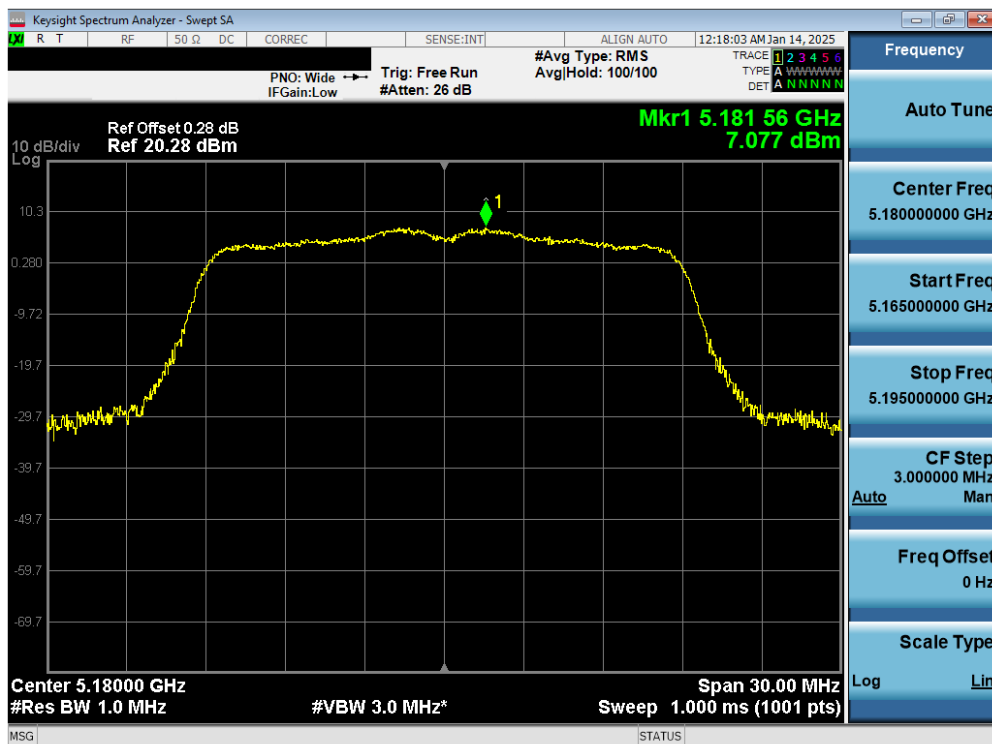


	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	39/43.3 (MCS4)	7.08	2.30	9.38	10.0	-0.62
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	6.63	2.30	8.93	10.0	-1.07
	5240	48	n (20MHz)	39/43.3 (MCS4)	6.60	2.30	8.90	10.0	-1.10
	5180	36	ax (SU) (20MHz)	49/51.6 (MCS4)	6.59	2.30	8.89	10.0	-1.11
	5200	40	ax (SU) (20MHz)	24/25.8 (MCS2)	6.53	2.30	8.83	10.0	-1.17
	5240	48	ax (SU) (20MHz)	24/25.8 (MCS2)	6.21	2.30	8.51	10.0	-1.49
	5190	38	n (40MHz)	40/40.5 (MCS2)	4.54	2.30	6.84	10.0	-3.16
	5230	46	n (40MHz)	81/90 (MCS4)	6.92	2.30	9.22	10.0	-0.78
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	2.42	2.30	4.72	10.0	-5.28
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	6.28	2.30	8.58	10.0	-1.42
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	0.10	2.30	2.40	10.0	-7.60
	5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	-1.76	2.30	0.54	10.0	-9.46

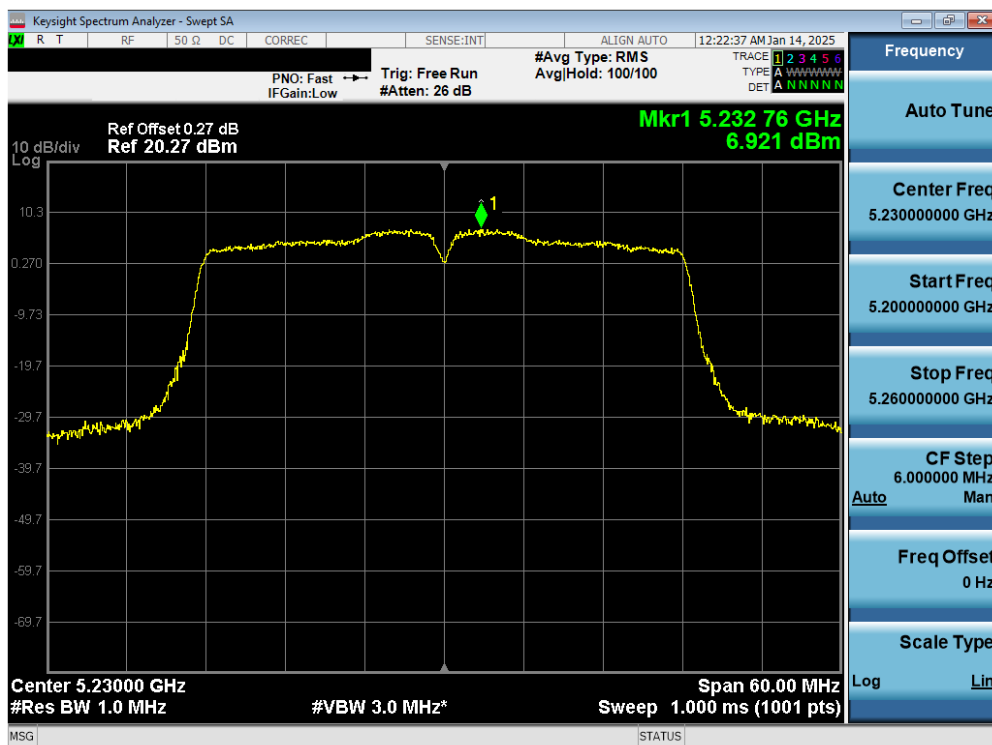
Table 7-80. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3c

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 77 of 249

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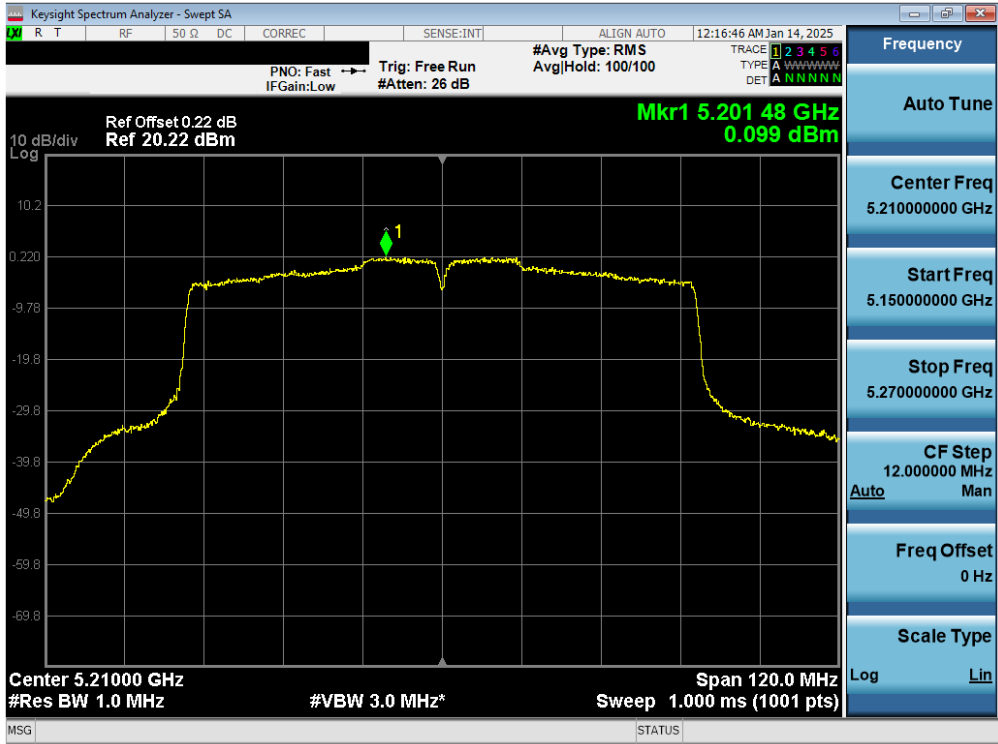


Plot 7-25. ISED PSD Antenna 3c (20MHz BW 11n – Ch.36)



Plot 7-26. ISED PSD Antenna 3c (40MHz BW 11n – Ch.46)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 78 of 249



Plot 7-27. ISED PSD Antenna 3c (80MHz BW 11ac – Ch.42)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 79 of 249

7.5.2 Antenna 3a Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	8.24	11.00	-2.76
	5200	40	n (20MHz)	39/43.3 (MCS4)	10.28	11.00	-0.72
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	10.33	11.00	-0.67
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	7.70	11.00	-3.30
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	10.23	11.00	-0.77
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	9.70	11.00	-1.30
	5190	38	n (40MHz)	40/40.5 (MCS2)	4.78	11.00	-6.22
	5230	46	n (40MHz)	40/40.5 (MCS2)	7.48	11.00	-3.52
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	2.64	11.00	-8.37
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	6.09	11.00	-4.91
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-0.09	11.00	-11.09
Band 2A	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.13	11.00	-13.13
	5260	52	n (20MHz)	19.5/21.7 (MCS2)	10.02	11.00	-0.98
	5300	60	n (20MHz)	19.5/21.7 (MCS2)	10.04	11.00	-0.96
	5320	64	n (20MHz)	19.5/21.7 (MCS2)	8.95	11.00	-2.05
	5260	52	ax (SU) (20MHz)	49/51.6 (MCS4)	9.79	11.00	-1.21
	5300	60	ax (SU) (20MHz)	49/51.6 (MCS4)	10.07	11.00	-0.94
	5320	64	ax (SU) (20MHz)	24/25.8 (MCS2)	7.97	11.00	-3.03
	5270	54	n (40MHz)	40/40.5 (MCS2)	7.21	11.00	-3.79
	5310	62	n (40MHz)	40/40.5 (MCS2)	2.36	11.00	-8.64
	5270	54	ax (SU) (40MHz)	271/286 (MCS11)	6.13	11.00	-4.87
	5310	62	ax (SU) (40MHz)	271/286 (MCS11)	-0.11	11.00	-11.11
Band 2C	5290	58	ac (80MHz)	87.8/97.5 (MCS2)	-2.27	11.00	-13.27
	5290	58	ax (SU) (80MHz)	102/108.1 (MCS2)	-3.72	11.00	-14.72
	5500	100	n (20MHz)	19.5/21.7 (MCS2)	8.11	11.00	-2.89
	5580	116	n (20MHz)	39/43.3 (MCS4)	10.17	11.00	-0.83
	5700	140	n (20MHz)	19.5/21.7 (MCS2)	6.48	11.00	-4.52
	5720	144	n (20MHz)	39/43.3 (MCS4)	9.70	11.00	-1.30
	5500	100	ax (SU) (20MHz)	24/25.8 (MCS2)	7.79	11.00	-3.21
	5580	116	ax (SU) (20MHz)	49/51.6 (MCS4)	9.90	11.00	-1.10
	5700	140	ax (SU) (20MHz)	24/25.8 (MCS2)	5.40	11.00	-5.60
	5720	144	ax (SU) (20MHz)	49/51.6 (MCS4)	9.89	11.00	-1.11
	5510	102	n (40MHz)	81/90 (MCS4)	2.76	11.00	-8.24
	5550	110	n (40MHz)	40/40.5 (MCS2)	7.19	11.00	-3.81
	*5590	118	n (40MHz)	81/90 (MCS4)	6.79	11.00	-4.21
	5670	134	n (40MHz)	40/40.5 (MCS2)	5.98	11.00	-5.02
	5710	142	n (40MHz)	81/90 (MCS4)	6.86	11.00	-4.14
	5510	102	ax (SU) (40MHz)	49/51.6 (MCS2)	0.57	11.00	-10.44
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS4)	5.31	11.00	-5.69
	*5590	118	ax (SU) (40MHz)	271/286 (MCS11)	5.97	11.00	-5.03
	5670	134	ax (SU) (40MHz)	49/51.6 (MCS2)	3.90	11.00	-7.10
	5710	142	ax (SU) (40MHz)	271/286 (MCS11)	5.83	11.00	-5.17
	5530	106	ac (80MHz)	87.8/97.5 (MCS2)	-0.78	11.00	-11.78
	*5610	122	ac (80MHz)	87.8/97.5 (MCS2)	3.84	11.00	-7.16
	5690	138	ac (80MHz)	175.5/195 (MCS4)	5.06	11.00	-5.94
	5530	106	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.63	11.00	-13.63
	*5610	122	ax (SU) (80MHz)	102/108.1 (MCS2)	1.49	11.00	-9.51
	5690	138	ax (SU) (80MHz)	204/216.2 (MCS4)	3.78	11.00	-7.22

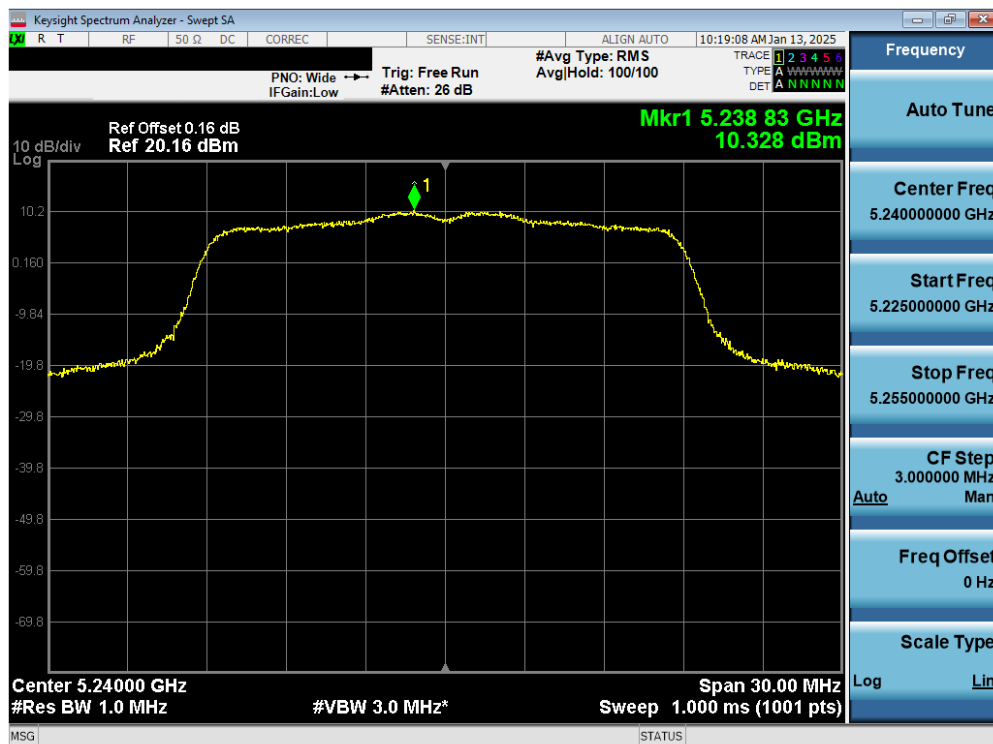
Table 7-81. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 3a

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

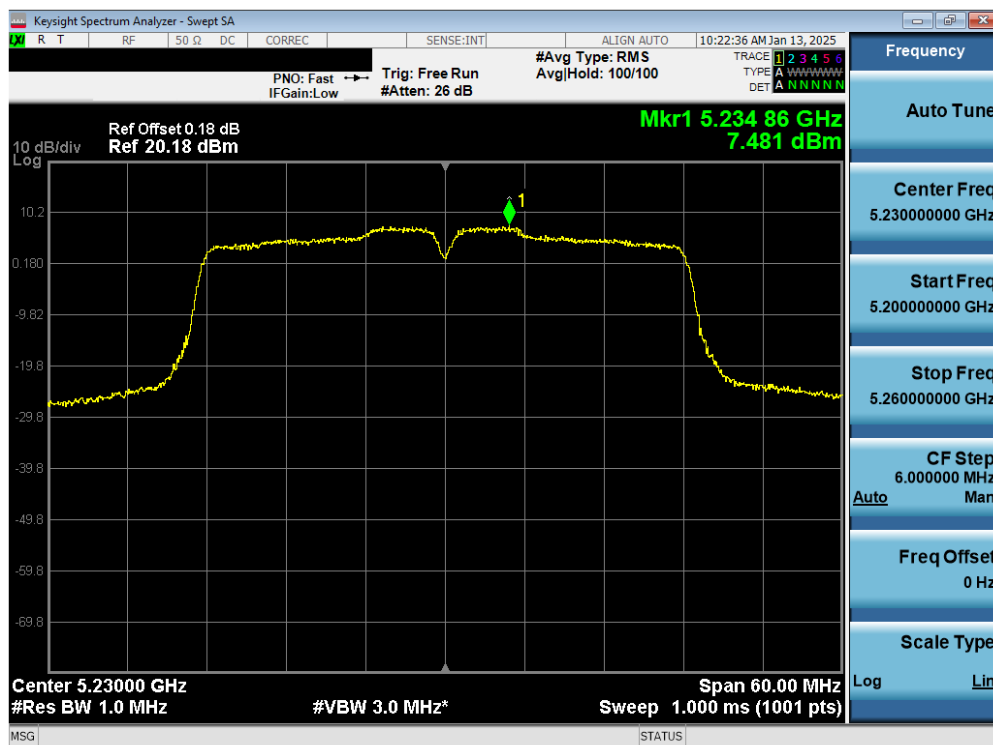
FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 80 of 249

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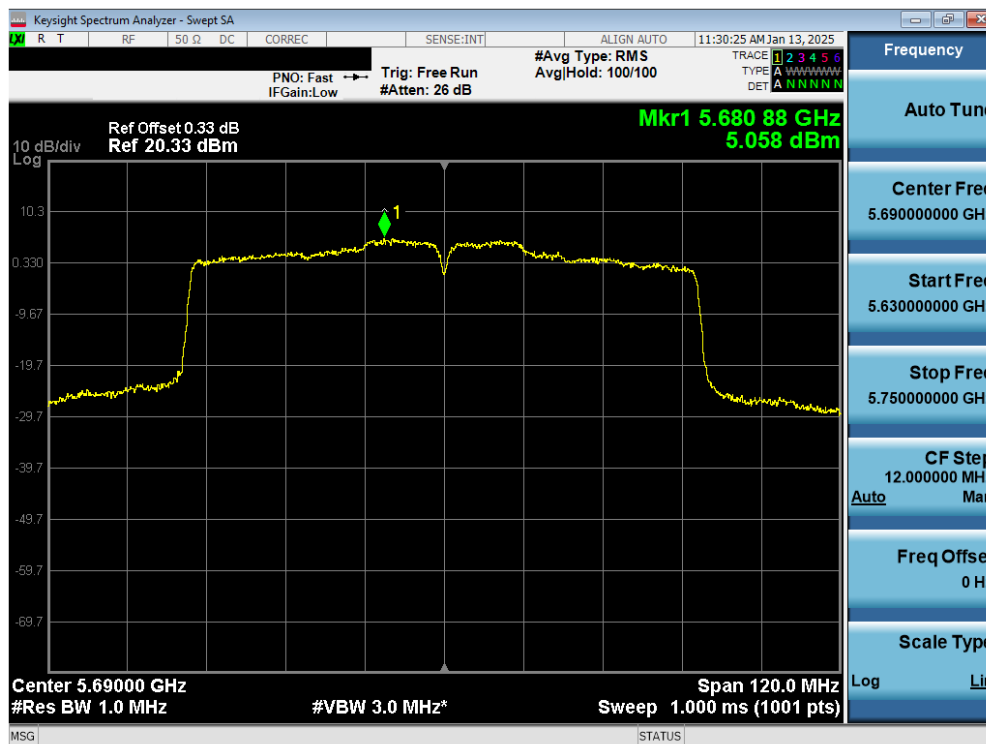
Plot 7-28. PSD Antenna 3a (20MHz BW 802.11n – Ch.48)



Plot 7-29. PSD Antenna 3a (40MHz BW 802.11n – Ch. 46)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 81 of 249

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Plot 7-30. PSD Antenna 3a (80MHz BW 802.11ac – Ch. 138)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 82 of 249

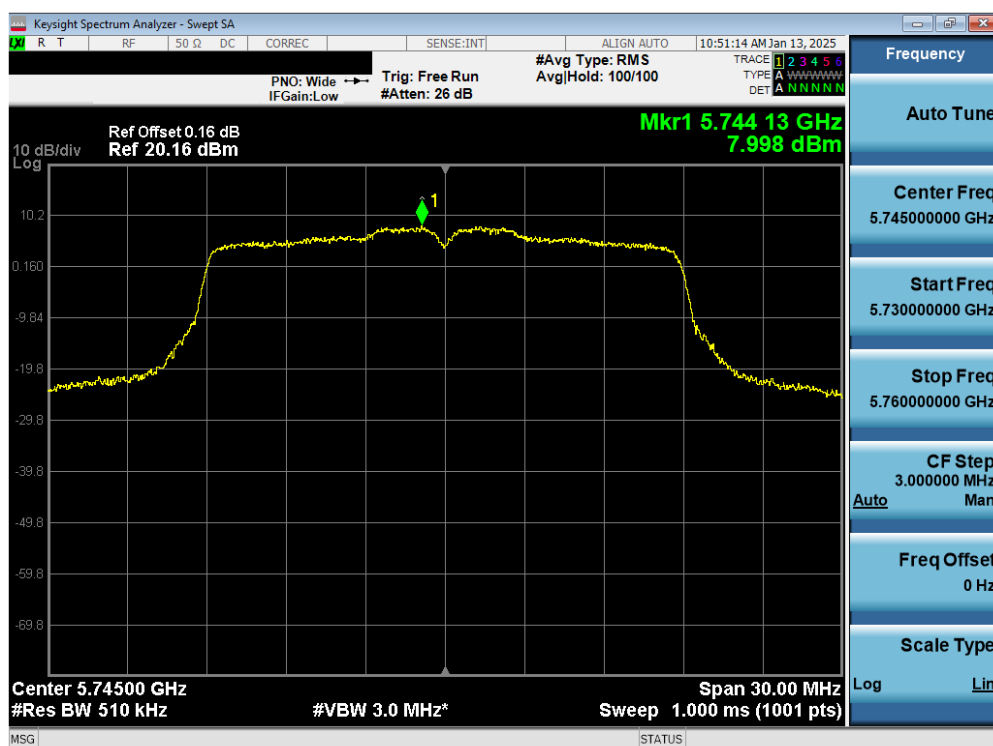
V 10.6 10/27/2023

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	19.5/21.7 (MCS2)	8.00	30.0	-22.00
	5785	157	n (20MHz)	39/43.3 (MCS4)	7.28	30.0	-22.72
	5825	165	n (20MHz)	39/43.3 (MCS4)	7.58	30.0	-22.42
	5745	149	ax (SU) (20MHz)	49/51.6 (MCS4)	7.54	30.0	-22.46
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	7.20	30.0	-22.80
	5825	165	ax (SU) (20MHz)	24/25.8 (MCS2)	7.54	30.0	-22.46
	5755	151	n (40MHz)	81/90 (MCS4)	4.19	30.0	-25.81
	5795	159	n (40MHz)	81/90 (MCS4)	3.93	30.0	-26.07
	5755	151	ax (SU) (40MHz)	271/286 (MCS11)	3.44	30.0	-26.56
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	2.94	30.0	-27.06
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	0.33	30.0	-29.67
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	-1.14	30.0	-31.14

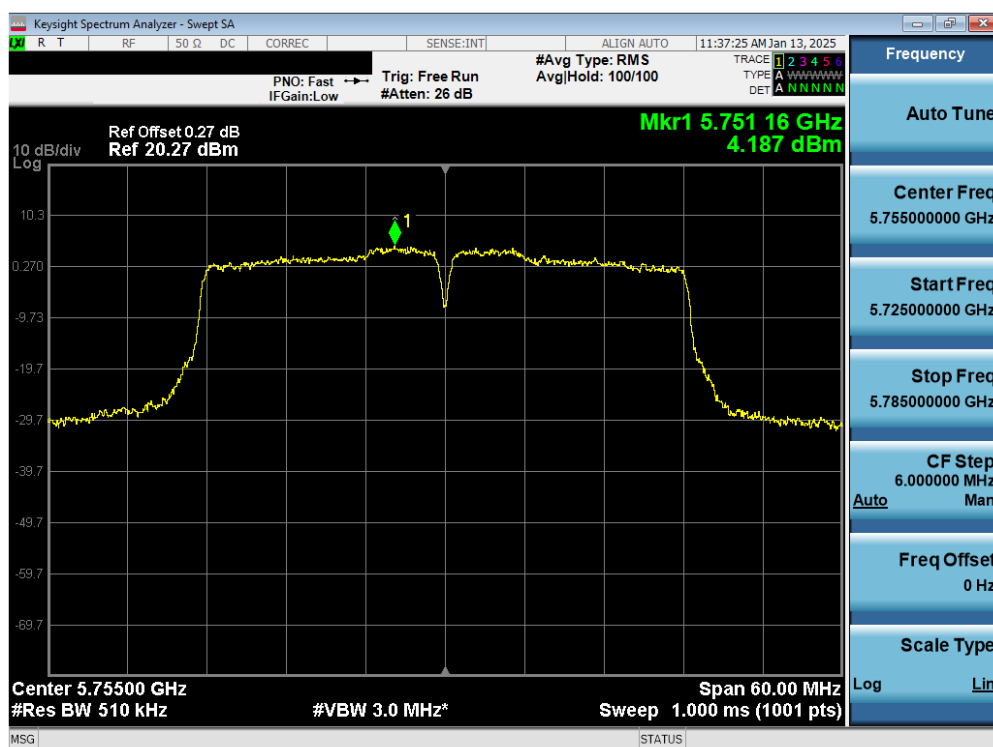
Table 7-82. Band 3 Power Spectral Density Measurements Antenna 3a

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 83 of 249

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Plot 7-31. PSD Antenna 3a (20MHz BW 802.11n – Ch. 149)

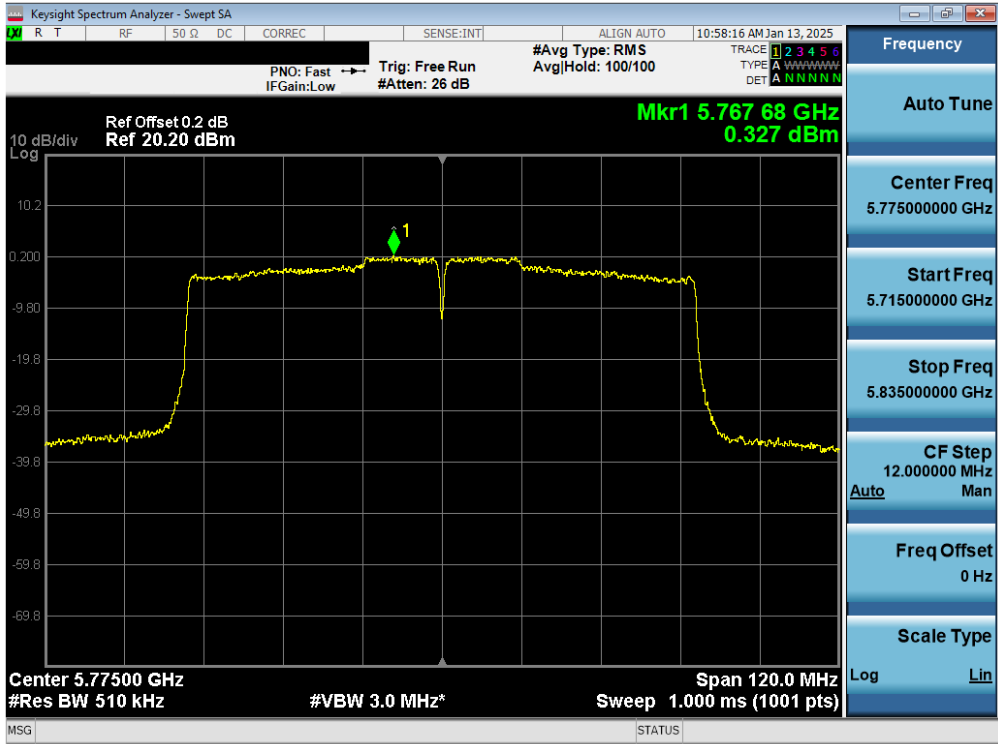


Plot 7-32. PSD Antenna 3a (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 84 of 249

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Plot 7-33. PSD Antenna 3a (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 85 of 249

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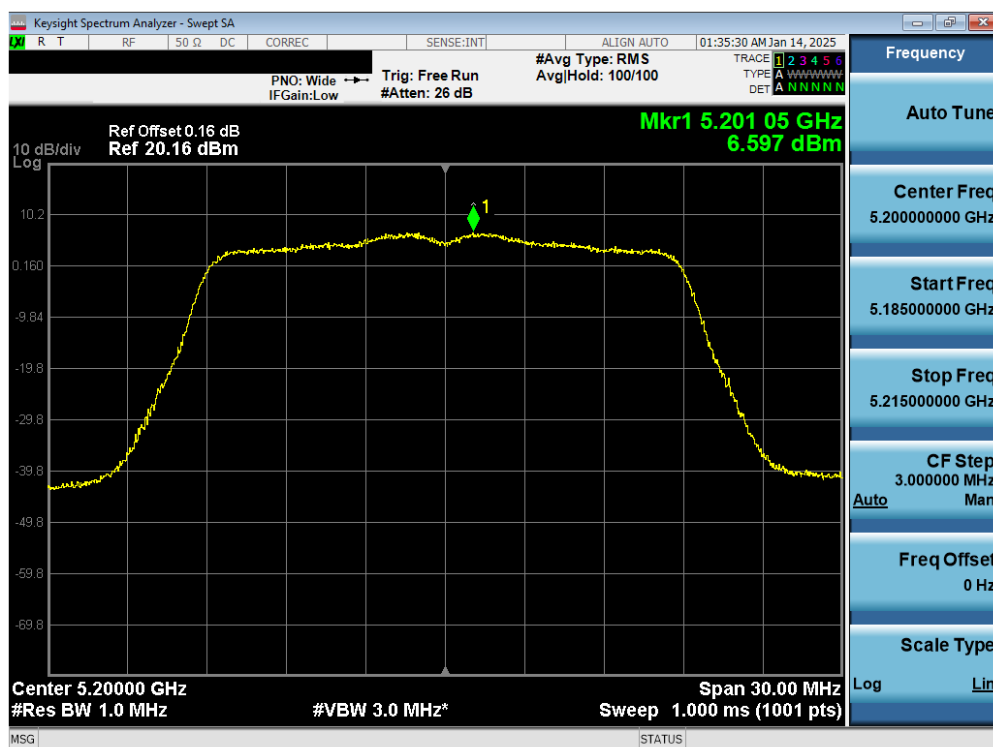
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	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	6.60	-0.10	6.50	10.0	-3.51
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	6.60	-0.10	6.50	10.0	-3.50
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	6.49	-0.10	6.39	10.0	-3.61
	5180	36	ax (SU) (20MHz)	49/51.6 (MCS4)	6.35	-0.10	6.25	10.0	-3.75
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	6.41	-0.10	6.31	10.0	-3.69
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	6.03	-0.10	5.93	10.0	-4.07
	5190	38	n (40MHz)	40/40.5 (MCS2)	4.27	-0.10	4.17	10.0	-5.83
	5230	46	n (40MHz)	81/90 (MCS4)	6.69	-0.10	6.59	10.0	-3.42
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	1.98	-0.10	1.88	10.0	-8.12
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	6.01	-0.10	5.91	10.0	-4.09
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	0.06	-0.10	-0.04	10.0	-10.04
	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.07	-0.10	-2.17	10.0	-12.17

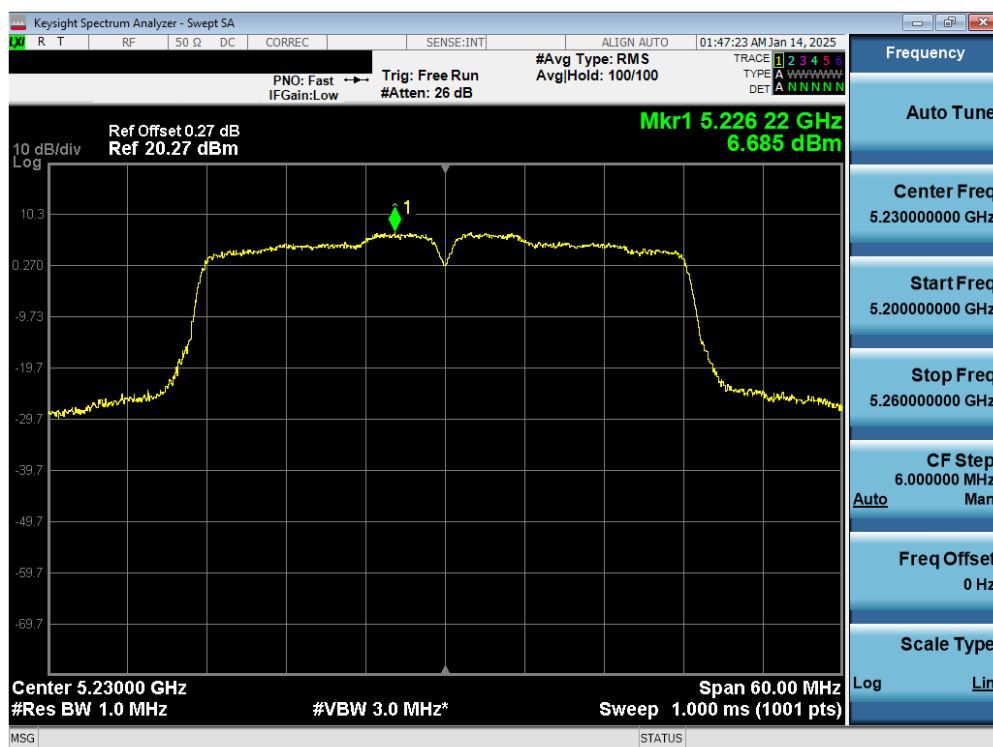
Table 7-83. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3a

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 86 of 249

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Plot 7-34. ISED PSD Antenna 3a (20MHz BW 11n – Ch.40)

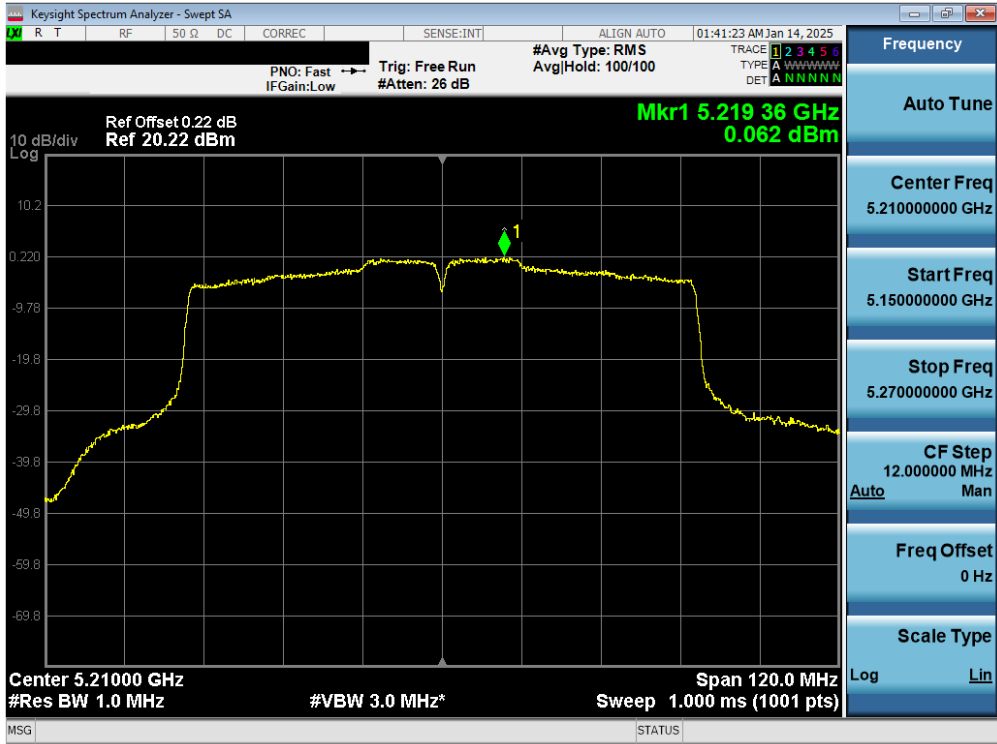


Plot 7-35. ISED PSD Antenna 3a (40MHz BW 11n – Ch.46)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 87 of 249

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Plot 7-36. ISED PSD Antenna 3a (80MHz BW 11ac – Ch.42)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 88 of 249

7.5.3 Antenna 1b Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	19.5/21.7 (MCS2)	7.06	11.00	-3.94
	5200	40	n (20MHz)	19.5/21.7 (MCS2)	9.04	11.00	-1.96
	5240	48	n (20MHz)	19.5/21.7 (MCS2)	9.13	11.00	-1.87
	5180	36	ax (SU) (20MHz)	24/25.8 (MCS2)	6.30	11.00	-4.70
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	9.38	11.00	-1.62
	5240	48	ax (SU) (20MHz)	24/25.8 (MCS2)	8.70	11.00	-2.30
	5190	38	n (40MHz)	40/40.5 (MCS2)	3.47	11.00	-7.53
	5230	46	n (40MHz)	81/90 (MCS4)	6.30	11.00	-4.70
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	0.84	11.00	-10.16
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	4.98	11.00	-6.02
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-0.94	11.00	-11.94
Band 2A	5210	42	ax (SU) (80MHz)	204/216.2 (MCS4)	-2.79	11.00	-13.79
	5260	52	n (20MHz)	19.5/21.7 (MCS2)	8.82	11.00	-2.18
	5300	60	n (20MHz)	19.5/21.7 (MCS2)	8.92	11.00	-2.08
	5320	64	n (20MHz)	19.5/21.7 (MCS2)	7.94	11.00	-3.07
	5260	52	ax (SU) (20MHz)	49/51.6 (MCS4)	8.93	11.00	-2.07
	5300	60	ax (SU) (20MHz)	49/51.6 (MCS4)	8.71	11.00	-2.29
	5320	64	ax (SU) (20MHz)	24/25.8 (MCS2)	6.66	11.00	-4.34
	5270	54	n (40MHz)	40/40.5 (MCS2)	6.01	11.00	-4.99
	5310	62	n (40MHz)	40/40.5 (MCS2)	1.15	11.00	-9.85
	5270	54	ax (SU) (40MHz)	271/286 (MCS11)	5.27	11.00	-5.73
	5310	62	ax (SU) (40MHz)	271/286 (MCS11)	-1.03	11.00	-12.03
Band 2C	5290	58	ac (80MHz)	87.8/97.5 (MCS2)	-3.23	11.00	-14.23
	5290	58	ax (SU) (80MHz)	102/108.1 (MCS2)	-4.97	11.00	-15.97
	5500	100	n (20MHz)	19.5/21.7 (MCS2)	7.30	11.00	-3.70
	5580	116	n (20MHz)	39/43.3 (MCS4)	8.80	11.00	-2.20
	5700	140	n (20MHz)	19.5/21.7 (MCS2)	5.62	11.00	-5.39
	5720	144	n (20MHz)	39/43.3 (MCS4)	9.05	11.00	-1.95
	5500	100	ax (SU) (20MHz)	24/25.8 (MCS2)	6.74	11.00	-4.26
	5580	116	ax (SU) (20MHz)	24/25.8 (MCS2)	8.60	11.00	-2.40
	5700	140	ax (SU) (20MHz)	24/25.8 (MCS2)	4.56	11.00	-6.44
	5720	144	ax (SU) (20MHz)	24/25.8 (MCS2)	8.75	11.00	-2.25
	5510	102	n (40MHz)	81/90 (MCS4)	2.00	11.00	-9.00
	5550	110	n (40MHz)	40/40.5 (MCS2)	5.88	11.00	-5.12
	*5590	118	n (40MHz)	81/90 (MCS4)	5.66	11.00	-5.34
	5670	134	n (40MHz)	40/40.5 (MCS2)	4.35	11.00	-6.65
	5710	142	n (40MHz)	40/40.5 (MCS2)	6.11	11.00	-4.89
	5510	102	ax (SU) (40MHz)	49/51.6 (MCS2)	-0.32	11.00	-11.32
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS4)	4.28	11.00	-6.73
	*5590	118	ax (SU) (40MHz)	271/286 (MCS11)	4.46	11.00	-6.54
	5670	134	ax (SU) (40MHz)	49/51.6 (MCS2)	2.36	11.00	-8.64
	5710	142	ax (SU) (40MHz)	271/286 (MCS11)	4.84	11.00	-6.16
	5530	106	ac (80MHz)	87.8/97.5 (MCS2)	-1.68	11.00	-12.68
	*5610	122	ac (80MHz)	87.8/97.5 (MCS2)	2.79	11.00	-8.22
	5690	138	ac (80MHz)	175.5/195 (MCS4)	3.56	11.00	-7.44
	5530	106	ax (SU) (80MHz)	102/108.1 (MCS2)	-3.67	11.00	-14.67
	*5610	122	ax (SU) (80MHz)	204/216.2 (MCS4)	0.23	11.00	-10.77
	5690	138	ax (SU) (80MHz)	567/600.5 (MCS11)	2.42	11.00	-8.58

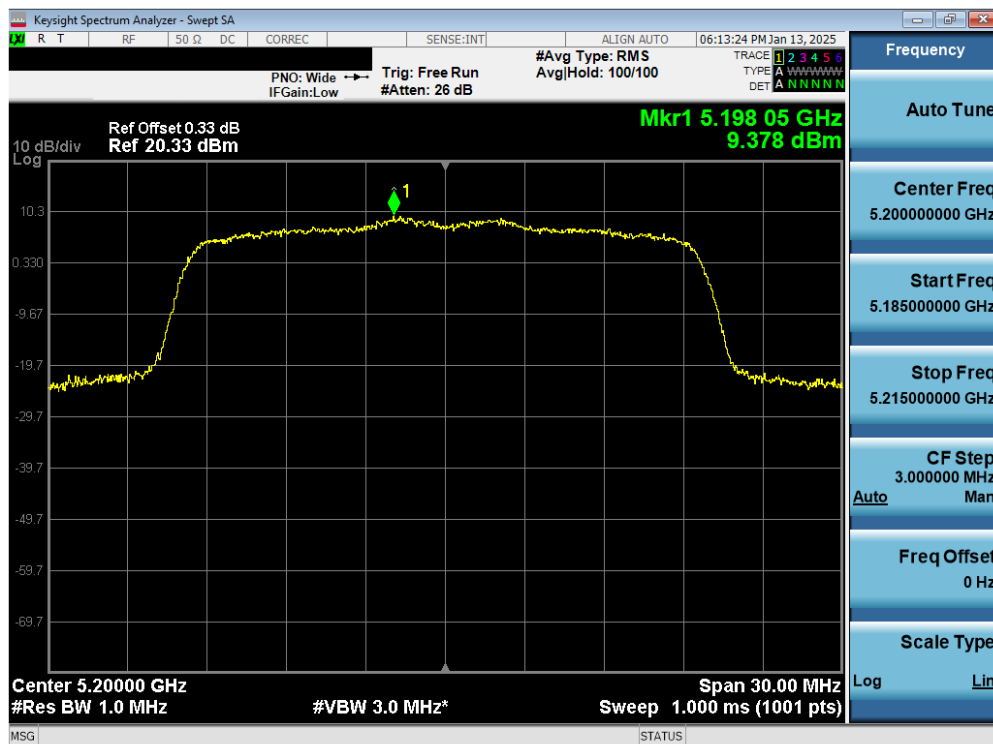
Table 7-84. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 1b

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

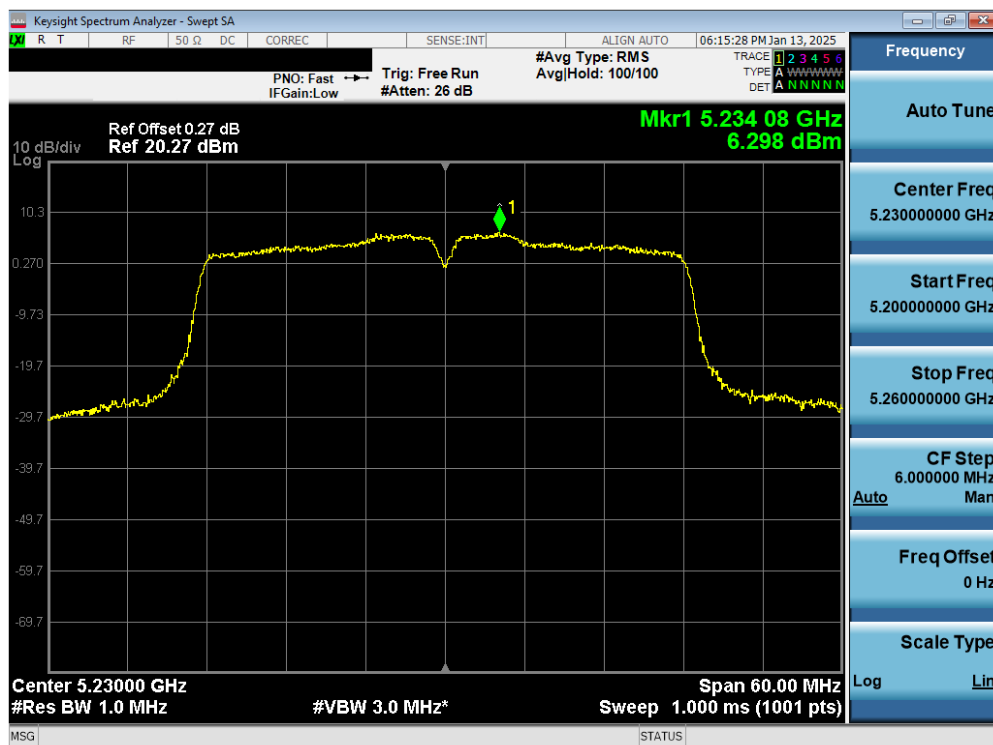
FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 89 of 249

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Plot 7-37. PSD Antenna 1b (20MHz BW 802.11ax (SU) – Ch.40)

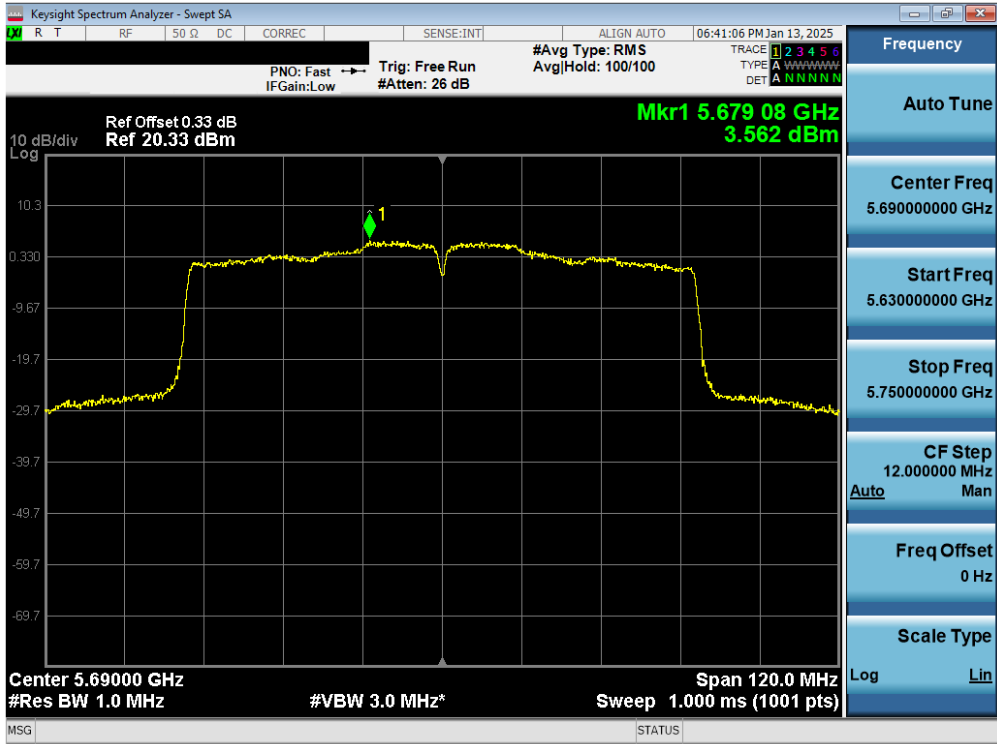


Plot 7-38. PSD Antenna 1b (40MHz BW 802.11n – Ch. 46)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 90 of 249

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Plot 7-39. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 138)

FCC ID: BCGA3355 IC: 579C-A3355	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 91 of 249

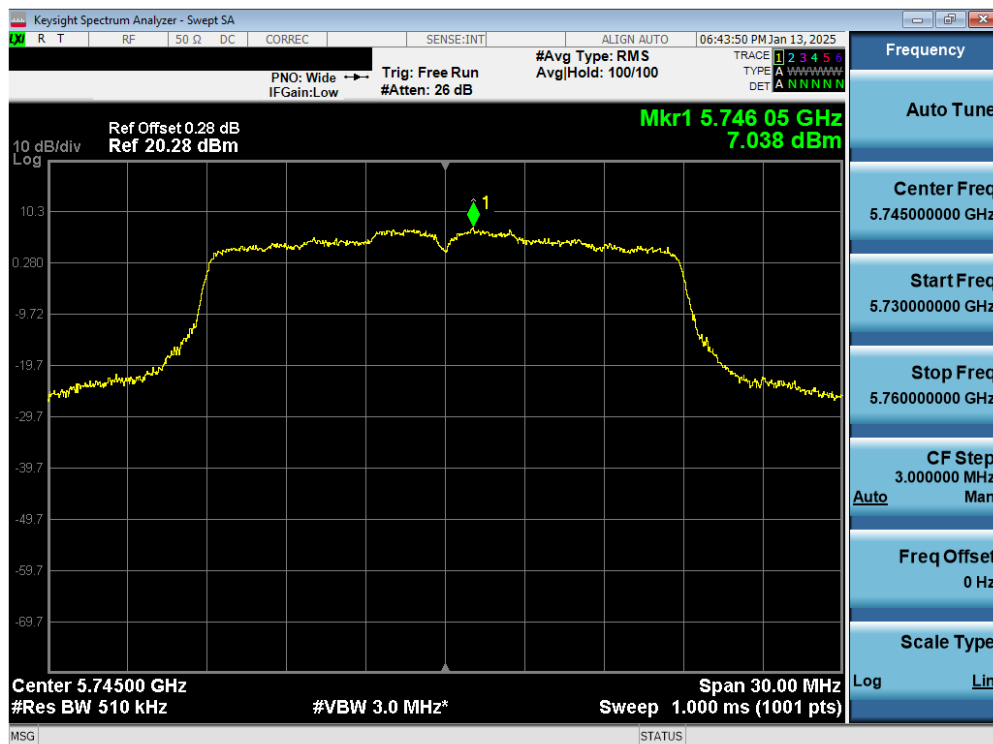
V 10.6 10/27/2023

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	39/43.3 (MCS4)	7.04	30.0	-22.96
	5785	157	n (20MHz)	39/43.3 (MCS4)	6.83	30.0	-23.17
	5825	165	n (20MHz)	39/43.3 (MCS4)	6.53	30.0	-23.47
	5745	149	ax (SU) (20MHz)	49/51.6 (MCS4)	6.92	30.0	-23.08
	5785	157	ax (SU) (20MHz)	24/25.8 (MCS2)	6.62	30.0	-23.38
	5825	165	ax (SU) (20MHz)	49/51.6 (MCS4)	6.58	30.0	-23.42
	5755	151	n (40MHz)	81/90 (MCS4)	3.70	30.0	-26.31
	5795	159	n (40MHz)	40/40.5 (MCS2)	3.01	30.0	-26.99
	5755	151	ax (SU) (40MHz)	271/286 (MCS11)	2.48	30.0	-27.52
	5795	159	ax (SU) (40MHz)	271/286 (MCS11)	2.37	30.0	-27.63
	5775	155	ac (80MHz)	87.8/97.5 (MCS2)	-0.65	30.0	-30.65
	5775	155	ax (SU) (80MHz)	102/108.1 (MCS2)	-2.62	30.0	-32.62

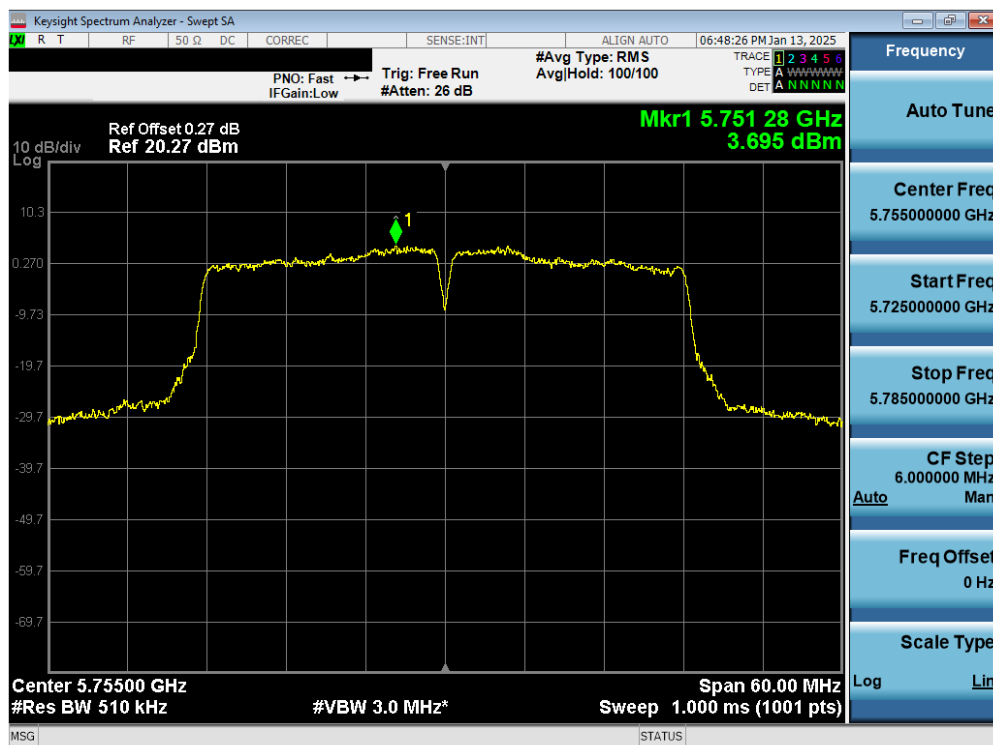
Table 7-85. Band 3 Power Spectral Density Measurements Antenna 1b

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 92 of 249

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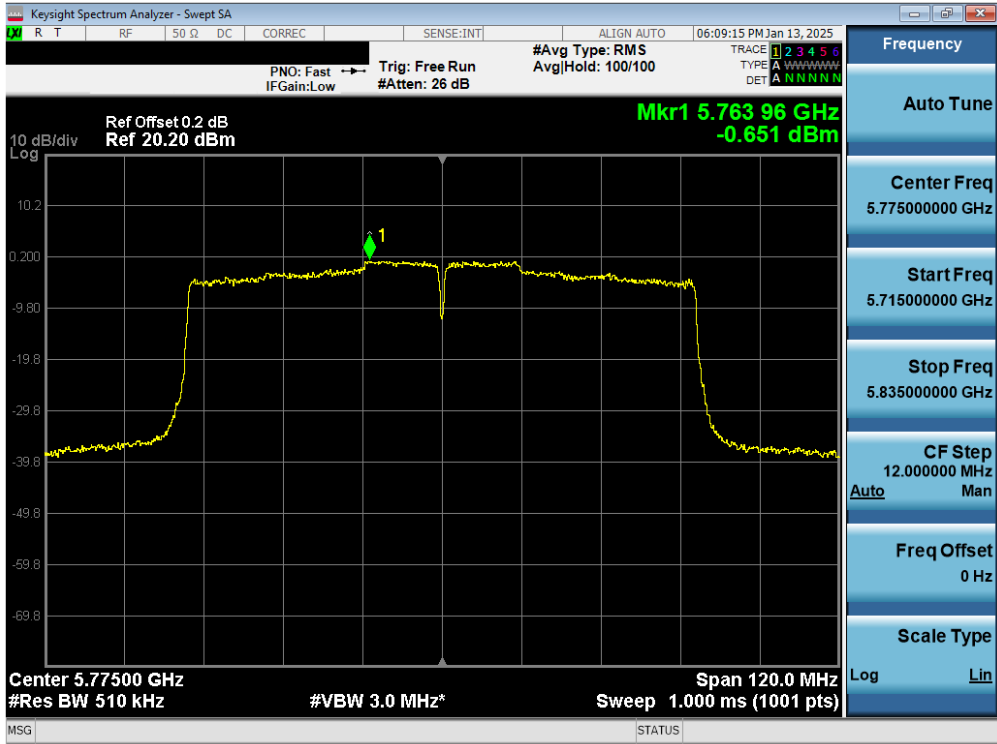


Plot 7-40. PSD Antenna 1b (20MHz BW 802.11n – Ch. 149)



Plot 7-41. PSD Antenna 1b (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 93 of 249



Plot 7-42. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 155)

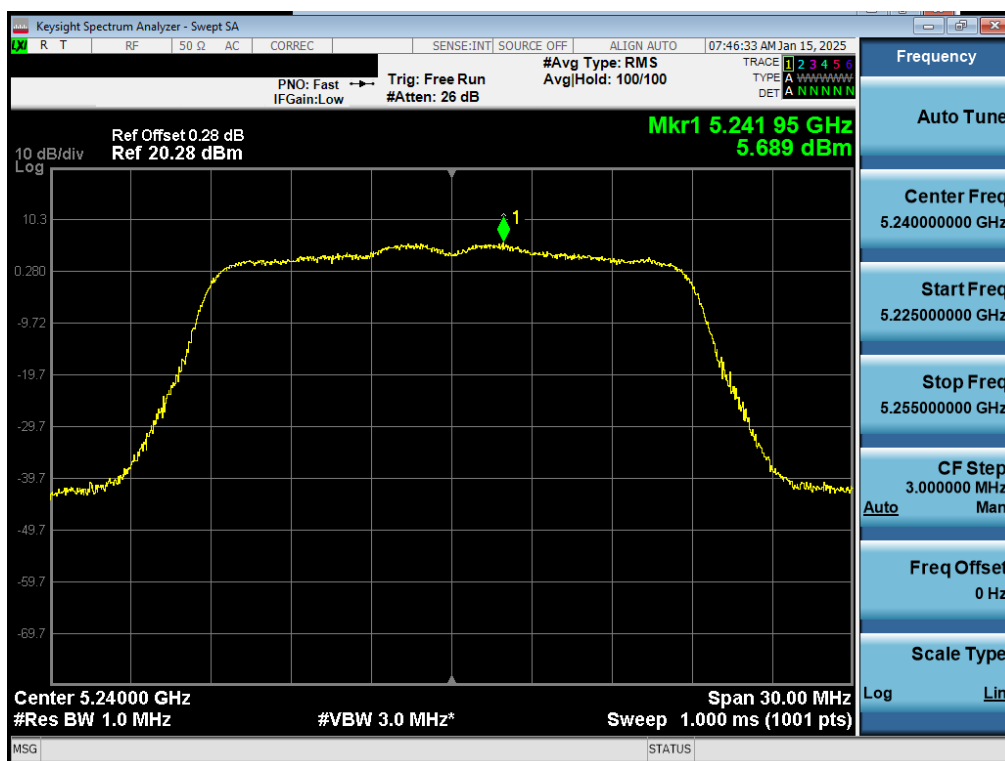
FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 94 of 249

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	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	n (20MHz)	19.5/21.7 (MCS2)	5.31	-1.60	3.71	10.0	-6.29
	5200	40	n (20MHz)	39/43.3 (MCS4)	5.34	-1.60	3.74	10.0	-6.26
	5240	48	n (20MHz)	39/43.3 (MCS4)	5.69	-1.60	4.09	10.0	-5.91
	5180	36	ax (SU) (20MHz)	49/51.6 (MCS4)	5.09	-1.60	3.49	10.0	-6.51
	5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	5.24	-1.60	3.64	10.0	-6.36
	5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	5.52	-1.60	3.92	10.0	-6.08
	5190	38	n (40MHz)	40/40.5 (MCS2)	2.56	-1.60	0.96	10.0	-9.04
	5230	46	n (40MHz)	81/90 (MCS4)	5.07	-1.60	3.47	10.0	-6.53
	5190	38	ax (SU) (40MHz)	49/51.6 (MCS2)	0.24	-1.60	-1.36	10.0	-11.36
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	4.26	-1.60	2.66	10.0	-7.34
	5210	42	ac (80MHz)	87.8/97.5 (MCS2)	-1.60	-1.60	-3.20	10.0	-13.20
	5210	42	ax (SU) (80MHz)	102/108.1 (MCS2)	-3.35	-1.60	-4.95	10.0	-14.95

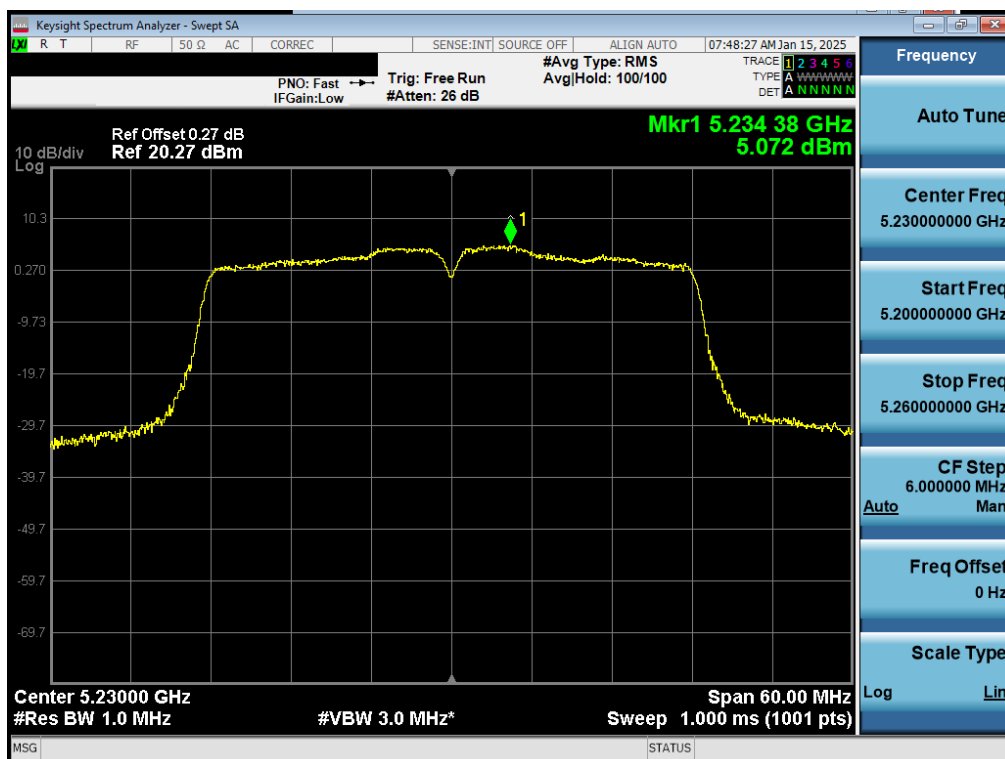
Table 7-86. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1b

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 95 of 249

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Plot 7-43. ISED PSD Antenna 1b (20MHz BW 11n – Ch.48)

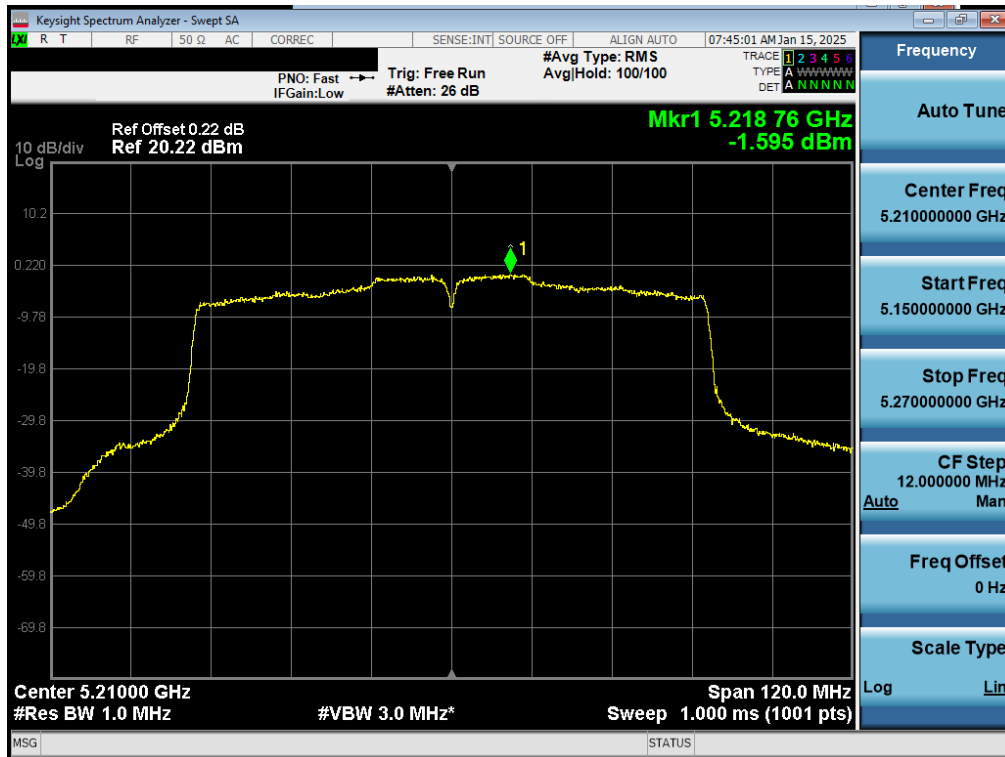


Plot 7-44. ISED PSD Antenna 1b (40MHz BW 11n – Ch.46)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 96 of 249

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Plot 7-45. ISED PSD Antenna 1b (80MHz BW 11ac – Ch.42)

FCC ID: BCGA3355 IC: 579C-A3355	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 97 of 249

7.5.4 Summed CDD Primary Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Mode	Antenna 3c Power Density [dBm/MHz]	Antenna 3a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	39/43.3 (MCS10)	CDD	7.25	7.63	10.45	11.00	-0.55
	5200	40	n (20MHz)	78/86.7 (MCS12)	CDD	7.67	7.23	10.46	11.00	-0.54
	5240	48	n (20MHz)	78/86.7 (MCS12)	CDD	7.10	7.13	10.13	11.00	-0.87
	5180	36	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.59	6.41	9.51	11.00	-1.49
	5200	40	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	7.56	6.97	10.28	11.00	-0.72
	5240	48	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	7.27	6.90	10.10	11.00	-0.90
	5190	38	n (40MHz)	81/60 (MCS10)	CDD	3.02	2.45	5.75	11.00	-5.25
	5230	46	n (40MHz)	162/180 (MCS12)	CDD	7.46	7.21	10.35	11.00	-0.65
	5190	38	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	0.00	0.24	3.14	11.00	-7.86
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	6.49	5.97	9.25	11.00	-1.75
	5210	42	ac (80MHz)	175.5/195 (MCS2)	CDD	-1.26	-1.30	1.73	11.00	-9.27
	5210	42	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-2.70	-2.75	0.28	11.00	-10.72
Band 2A	5260	52	n (20MHz)	78/86.7 (MCS12)	CDD	7.29	7.13	10.22	11.00	-0.78
	5300	60	n (20MHz)	39/43.3 (MCS10)	CDD	7.23	7.00	10.12	11.00	-0.88
	5320	64	n (20MHz)	78/86.7 (MCS12)	CDD	6.69	7.33	10.03	11.00	-0.97
	5260	52	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.98	6.79	9.90	11.00	-1.10
	5300	60	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	7.15	6.53	9.86	11.00	-1.14
	5320	64	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	6.68	7.21	9.96	11.00	-1.04
	5270	54	n (40MHz)	81/60 (MCS10)	CDD	7.38	7.59	10.50	11.00	-0.50
	5310	62	n (40MHz)	162/180 (MCS12)	CDD	0.64	0.83	3.74	11.00	-7.26
	5270	54	ax (SU) (40MHz)	196/206.5 (MCS4)	CDD	6.20	6.01	9.11	11.00	-1.89
	5310	62	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	-1.96	-1.62	1.22	11.00	-9.78
	5290	58	ac (80MHz)	175.5/195 (MCS2)	CDD	-2.70	-2.58	0.37	11.00	-10.63
	5290	58	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-5.20	-5.33	-2.25	11.00	-13.25
Band 2C	5500	100	n (20MHz)	78/86.7 (MCS12)	CDD	6.90	7.30	10.11	11.00	-0.89
	5580	116	n (20MHz)	78/86.7 (MCS12)	CDD	7.20	7.04	10.13	11.00	-0.87
	5700	140	n (20MHz)	39/43.3 (MCS10)	CDD	5.95	5.49	8.74	11.00	-2.26
	5720	144	n (20MHz)	78/86.7 (MCS12)	CDD	7.81	6.90	10.39	11.00	-0.61
	5500	100	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.74	6.76	9.76	11.00	-1.24
	5580	116	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	7.02	6.86	9.95	11.00	-1.05
	5700	140	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	4.91	4.75	7.84	11.00	-3.16
	5720	144	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.99	6.83	9.92	11.00	-1.08
	5510	102	n (40MHz)	162/180 (MCS12)	CDD	1.76	1.52	4.65	11.00	-6.35
	5550	110	n (40MHz)	81/60 (MCS10)	CDD	6.32	6.23	9.29	11.00	-1.71
	5590	118	n (40MHz)	162/180 (MCS12)	CDD	6.94	7.00	9.98	11.00	-1.02
	5670	134	n (40MHz)	81/60 (MCS10)	CDD	6.28	5.87	9.09	11.00	-1.91
	5710	142	n (40MHz)	162/180 (MCS12)	CDD	7.78	7.11	10.47	11.00	-0.53
	5510	102	ax (SU) (40MHz)	196/206.5 (MCS4)	CDD	-1.02	-0.97	2.02	11.00	-8.98
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	4.32	4.48	7.41	11.00	-3.59
	5590	118	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	6.10	5.57	8.85	11.00	-2.15
	5670	134	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	2.38	1.83	5.13	11.00	-5.87
	5710	142	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	6.37	5.87	9.14	11.00	-1.86
	5530	106	ac (80MHz)	351/390 (MCS4)	CDD	-2.13	-2.09	0.90	11.00	-10.10
	5610	122	ac (80MHz)	175.5/195 (MCS2)	CDD	2.66	2.64	5.66	11.00	-5.34
	5690	138	ac (80MHz)	351/390 (MCS4)	CDD	5.10	4.75	7.94	11.00	-3.06
	5530	106	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-4.03	-4.04	-1.03	11.00	-12.03
	5610	122	ax (SU) (80MHz)	408/432.4 (MCS4)	CDD	0.75	0.62	3.69	11.00	-7.31
	5690	138	ax (SU) (80MHz)	1134/1201 (MCS11)	CDD	4.24	3.63	6.95	11.00	-4.05

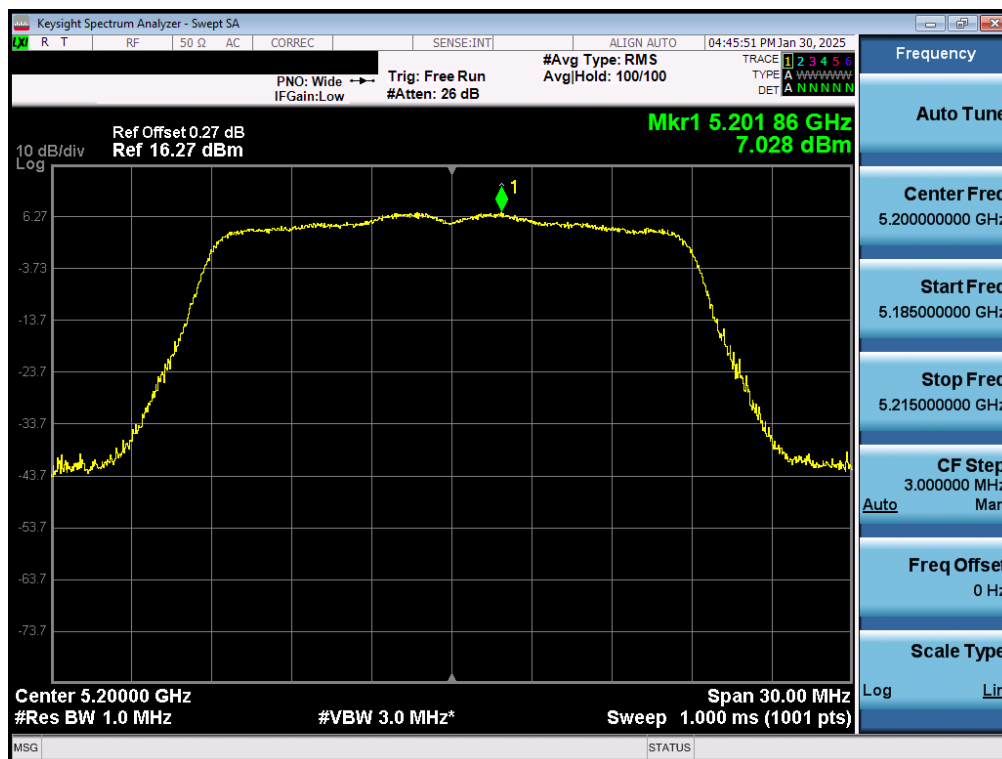
Table 7-87. Bands 1, 2A, 2C CDD Primary Power Spectral Density Measurements

*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

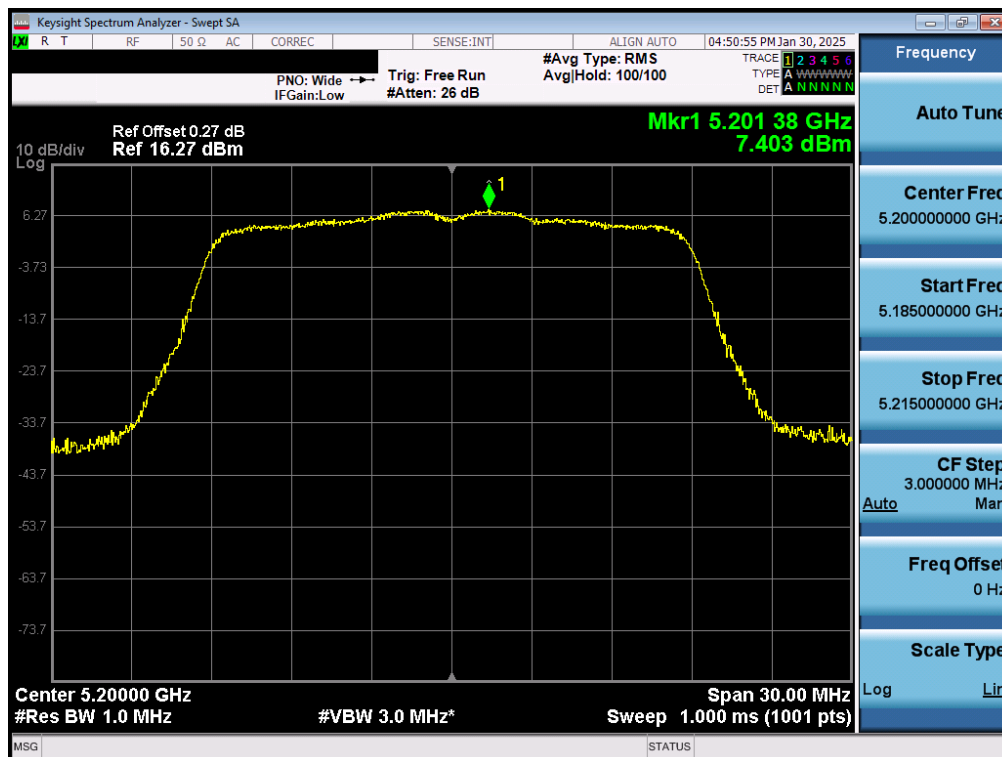
FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 98 of 249

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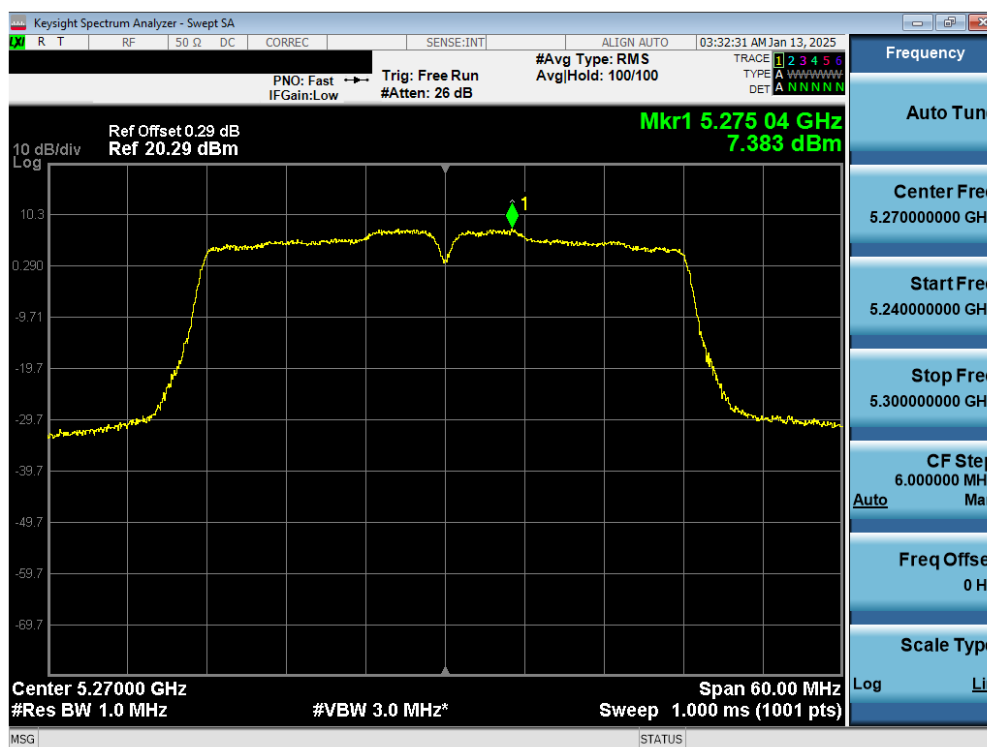
Plot 7-46. PSD CDD Primary Antenna 3c (20MHz BW 802.11n – Ch. 40)



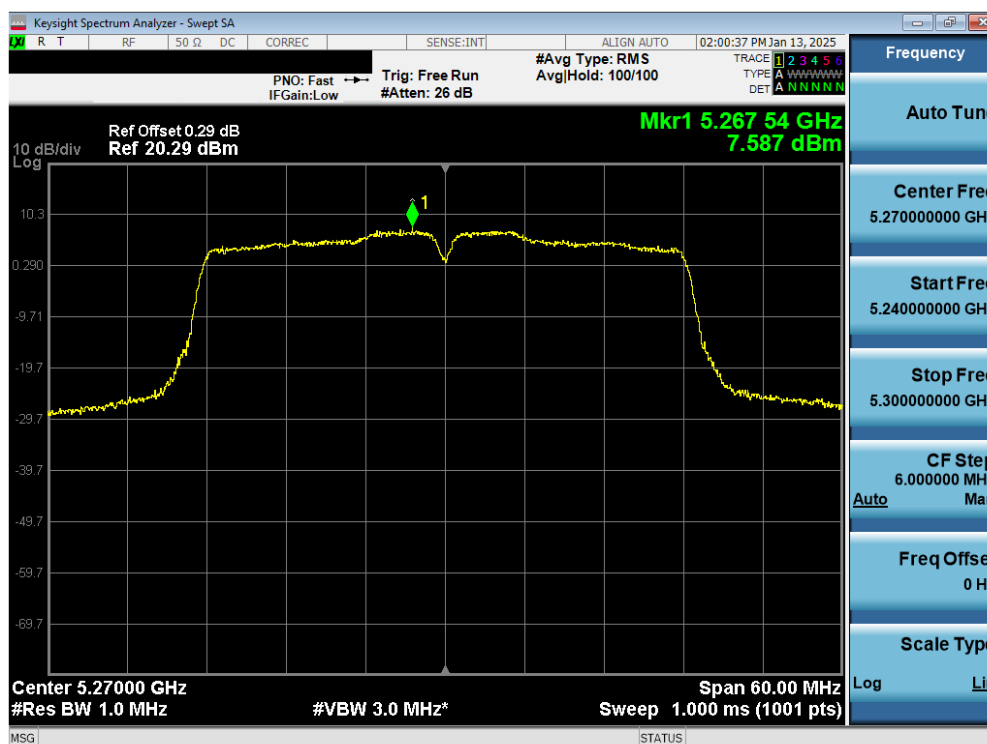
Plot 7-47. PSD CDD Primary Antenna 3a (20MHz BW 802.11n – Ch. 40)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 99 of 249

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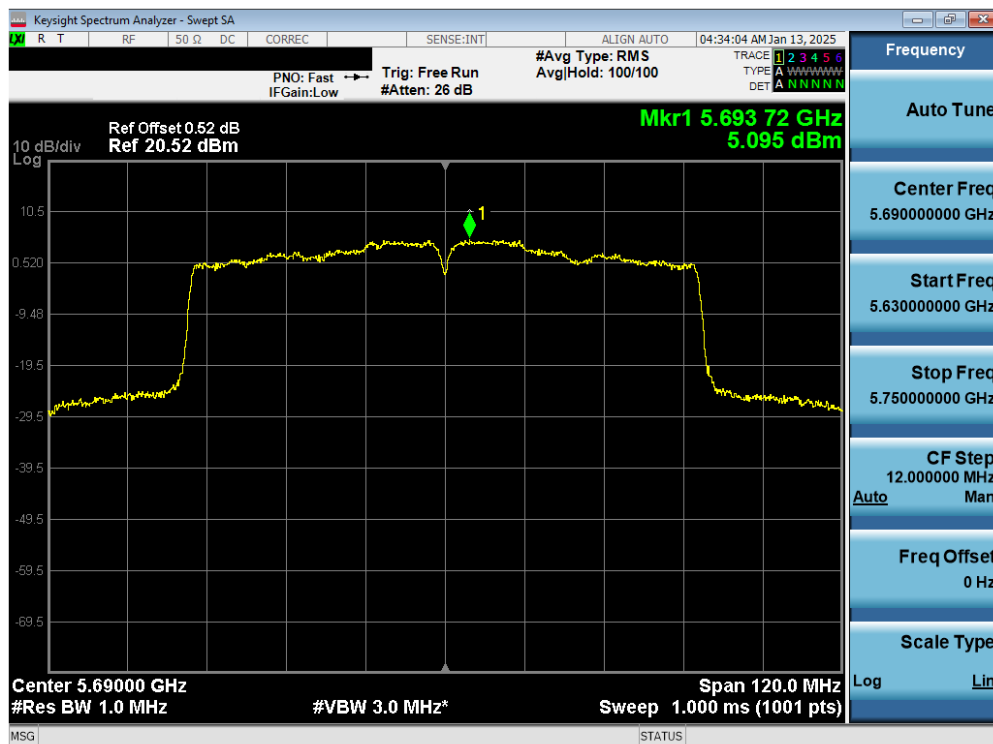
Plot 7-48. PSD CDD Primary Antenna 3c (40MHz BW 802.11n – Ch. 54)



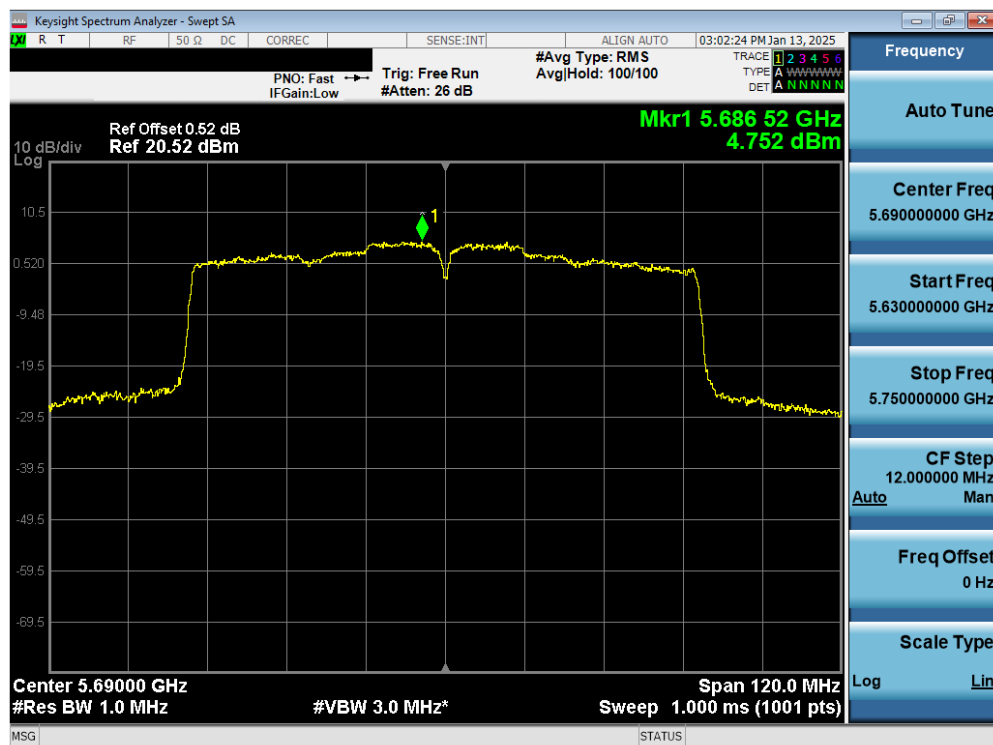
Plot 7-49. PSD CDD Primary Antenna 3a (40MHz BW 802.11n – Ch. 54)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 100 of 249

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Plot 7-50. PSD CDD Primary Antenna 3c (80MHz BW 802.11ac – Ch. 138)



Plot 7-51. PSD CDD Primary Antenna 3a (80MHz BW 802.11ac – Ch. 138)

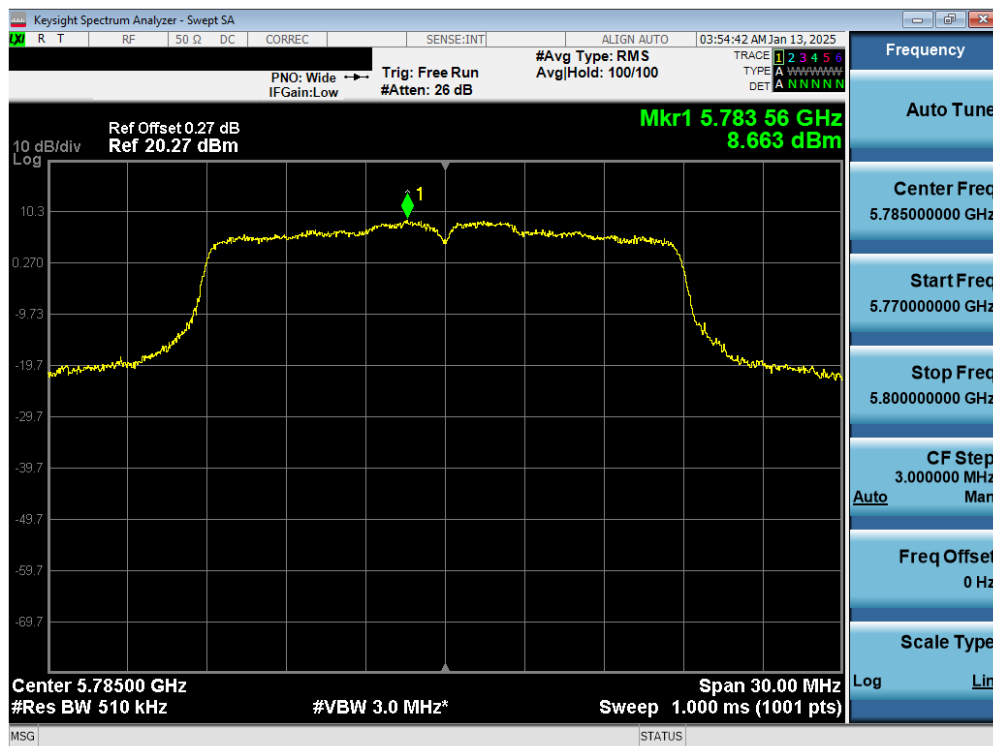
FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 101 of 249

	Frequency [MHz]	Channel	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 3c Power Density [dBm/500kHz]	Antenna 3a Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	CDD	78/86.7 (MCS12)	8.02	7.87	10.95	30.0	-19.05
	5785	157	n (20MHz)	CDD	39/43.3 (MCS10)	8.66	7.10	10.96	30.0	-19.04
	5825	165	n (20MHz)	CDD	78/86.7 (MCS12)	8.01	7.43	10.74	30.0	-19.26
	5745	149	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	7.79	7.57	10.70	30.0	-19.30
	5785	157	ax (SU) (20MHz)	CDD	48/51.6 (MCS2)	8.16	7.09	10.67	30.0	-19.33
	5825	165	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	8.05	7.21	10.66	30.0	-19.34
	5755	151	n (40MHz)	CDD	162/180 (MCS12)	5.23	4.68	7.97	30.0	-22.03
	5795	159	n (40MHz)	CDD	162/180 (MCS12)	4.81	3.89	7.38	30.0	-22.62
	5755	151	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	4.28	3.22	6.79	30.0	-23.21
	5795	159	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	3.50	2.78	6.16	30.0	-23.84
	5775	155	ac (80MHz)	CDD	175.5/195 (MCS2)	-0.09	-0.49	2.73	30.0	-27.27
	5775	155	ax (SU) (80MHz)	CDD	204/216.2 (MCS2)	-1.66	-1.96	1.20	30.0	-28.80

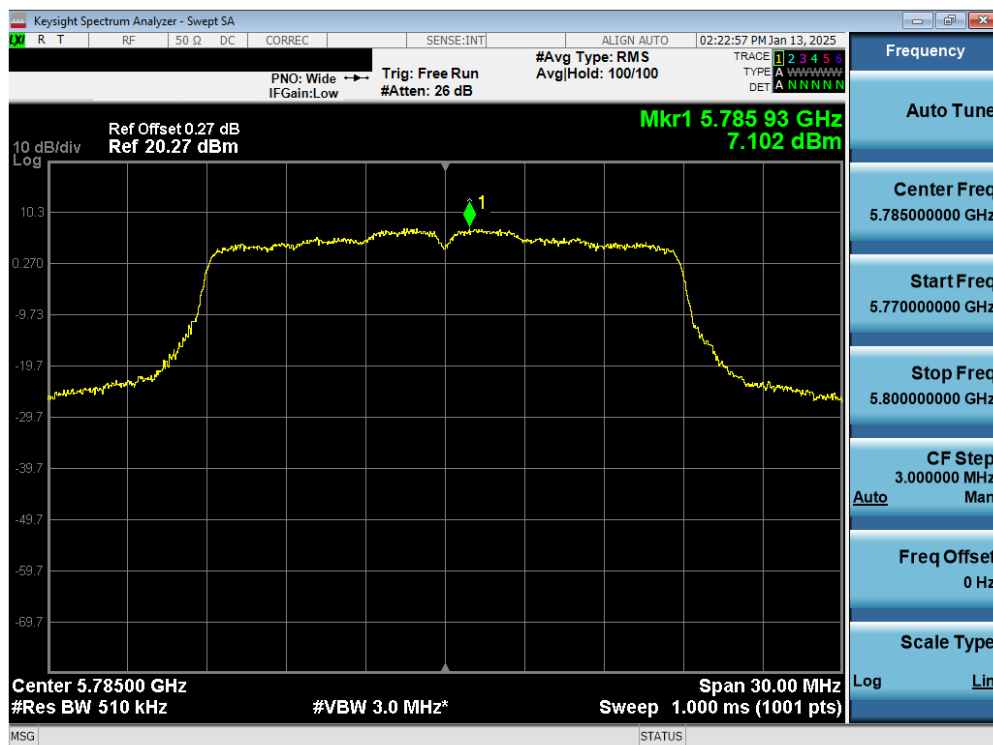
Table 7-88. Band 3 Power Spectral Density Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 102 of 249

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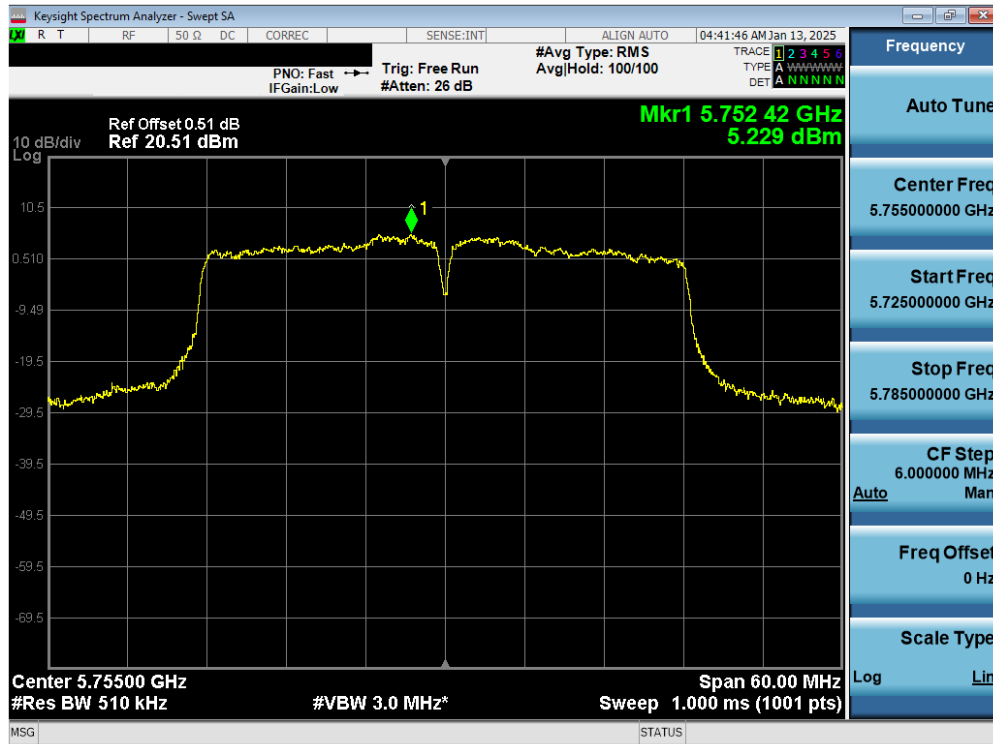
Plot 7-52. PSD CDD Primary Antenna 3c (20MHz BW 802.11n – Ch. 157)



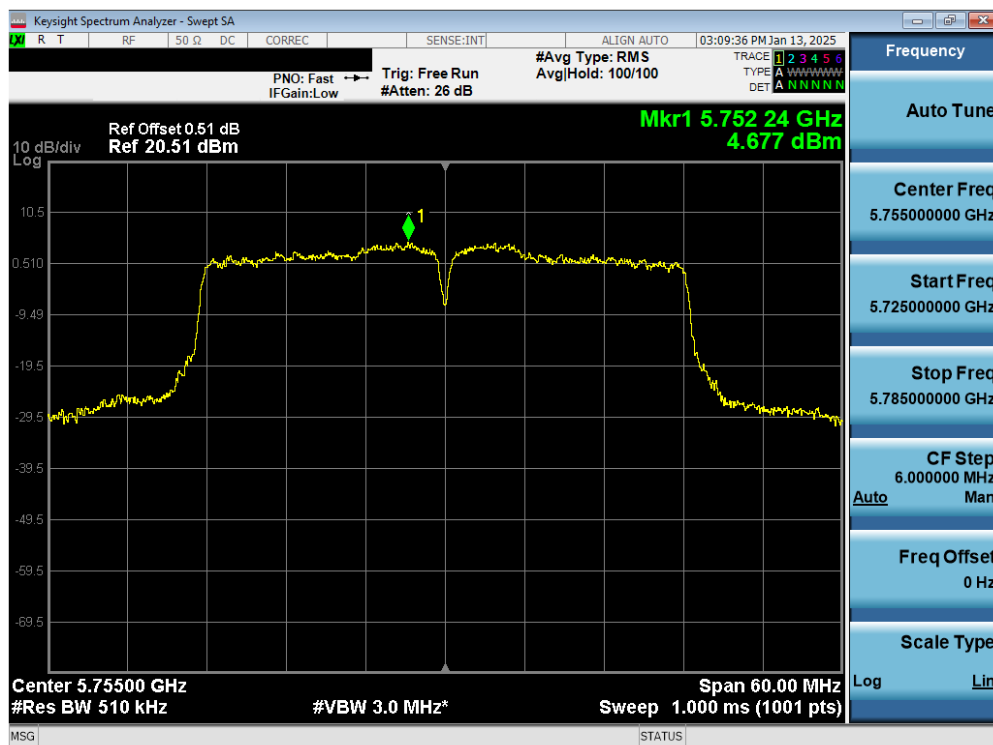
Plot 7-53. PSD CDD Primary Antenna 3a (20MHz BW 802.11n – Ch. 165)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 103 of 249

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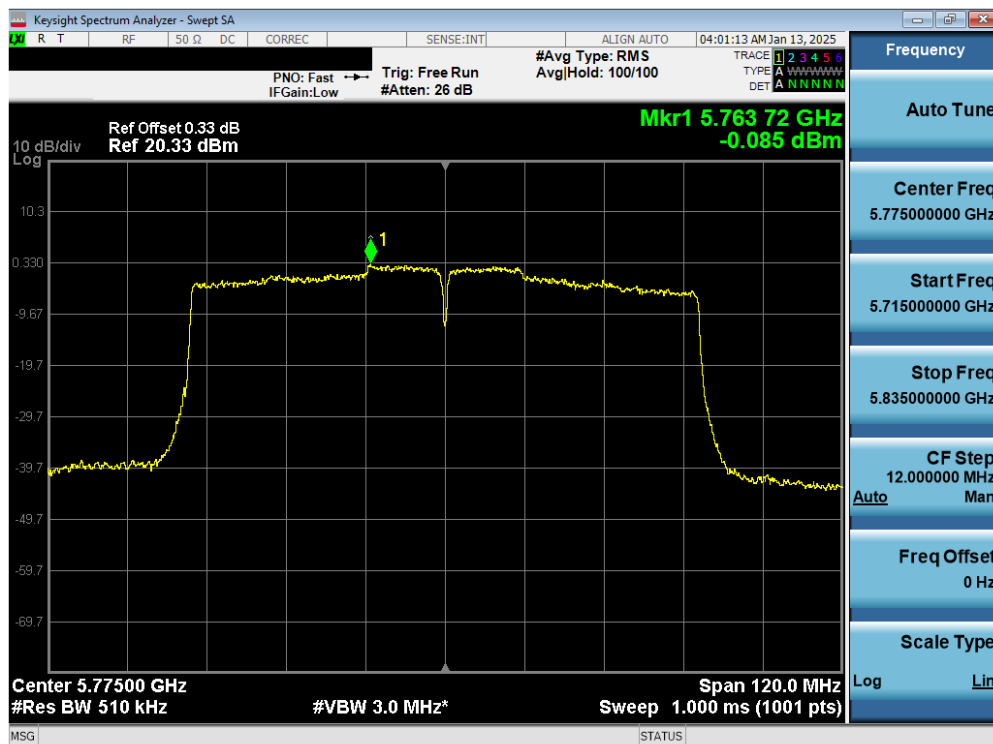


Plot 7-54. PSD CDD Primary Antenna 3c (40MHz BW 802.11n – Ch. 151)

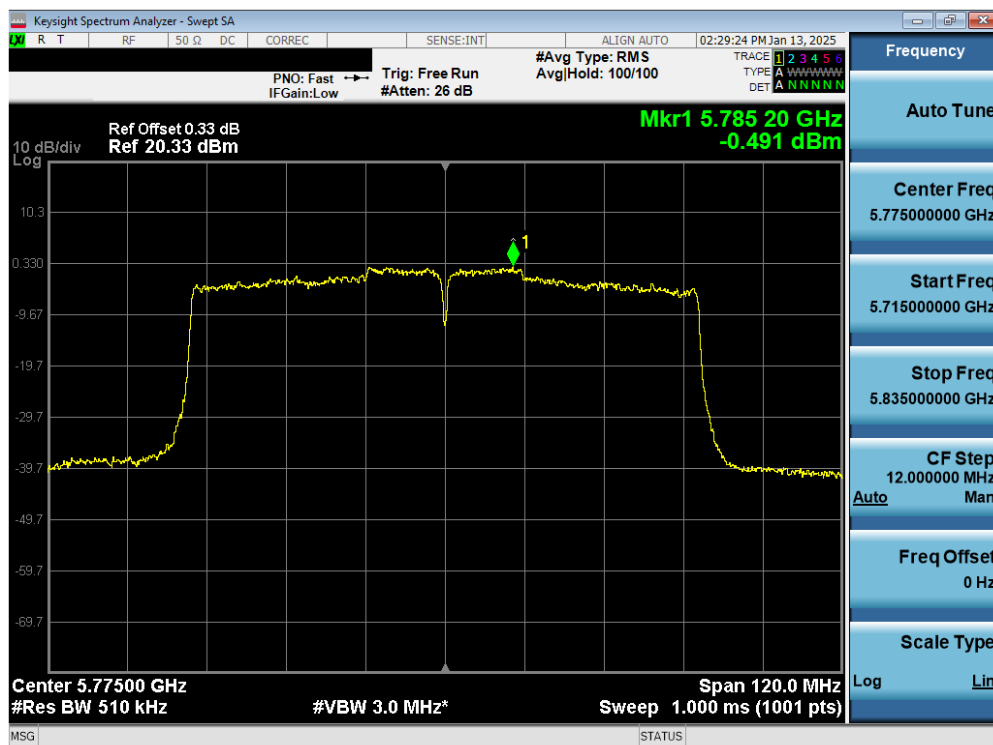


Plot 7-55. PSD CDD Primary Antenna 3a (40MHz BW 802.11n – Ch. 151)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 104 of 249



Plot 7-56. PSD CDD Primary Antenna 3c (80MHz BW 802.11ac – Ch. 155)



Plot 7-57. PSD CDD Primary Antenna 3a (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 105 of 249

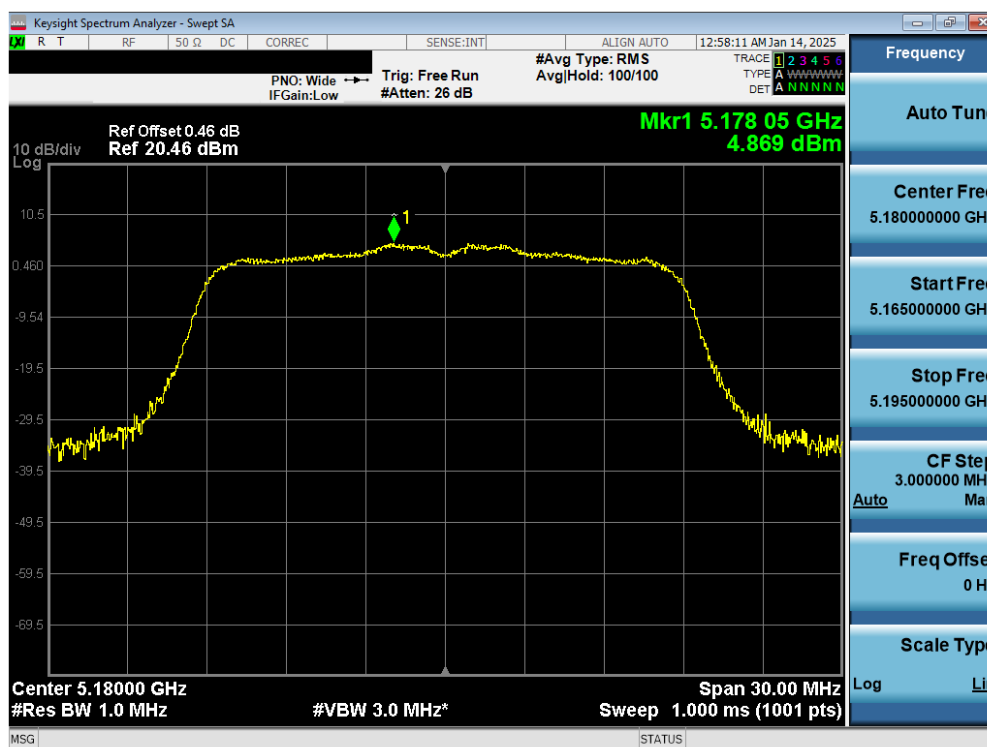
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	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 3c Power Density [dBm/MHz]	Antenna 3a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directioinal Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	SDM	78/86.7 (MCS12)	4.87	4.63	7.76	1.26	9.03	10.0	-0.97
	5200	40	n (20MHz)	SDM	78/86.7 (MCS12)	4.78	4.39	7.60	1.26	8.86	10.0	-1.14
	5240	48	n (20MHz)	SDM	78/86.7 (MCS12)	4.92	4.33	7.65	1.26	8.91	10.0	-1.09
	5180	36	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	4.72	4.32	7.53	1.26	8.79	10.0	-1.21
	5200	40	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	4.51	4.30	7.41	1.26	8.68	10.0	-1.32
	5240	48	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	4.15	4.27	7.22	1.26	8.48	10.0	-1.52
	5190	38	n (40MHz)	SDM	81/60 (MCS10)	2.10	1.76	4.94	1.26	6.20	10.0	-3.80
	5230	46	n (40MHz)	SDM	162/180 (MCS12)	4.86	4.80	7.84	1.26	9.10	10.0	-0.90
	5190	38	ax (SU) (40MHz)	CDD	98/103.2 (MCS2)	-0.22	-0.10	2.85	4.19	7.04	10.0	-2.96
	5230	46	ax (SU) (40MHz)	SDM	271/286.8 (MCS11)	4.61	3.94	7.30	1.26	8.56	10.0	-1.44
	5210	42	ac (80MHz)	CDD	175.5/195 (MCS2)	-1.26	-1.42	1.67	4.19	5.87	10.0	-4.13
	5210	42	ax (SU) (80MHz)	CDD	204/216.2 (MCS2)	-2.85	-2.73	0.22	4.19	4.41	10.0	-5.59

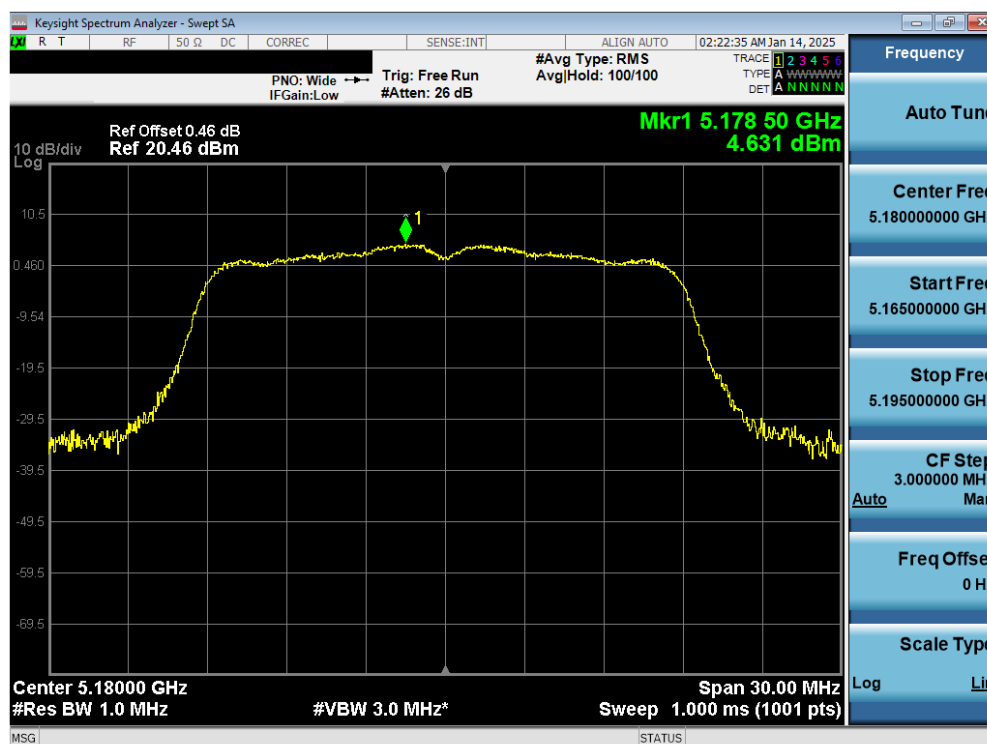
Table 7-89. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Primary

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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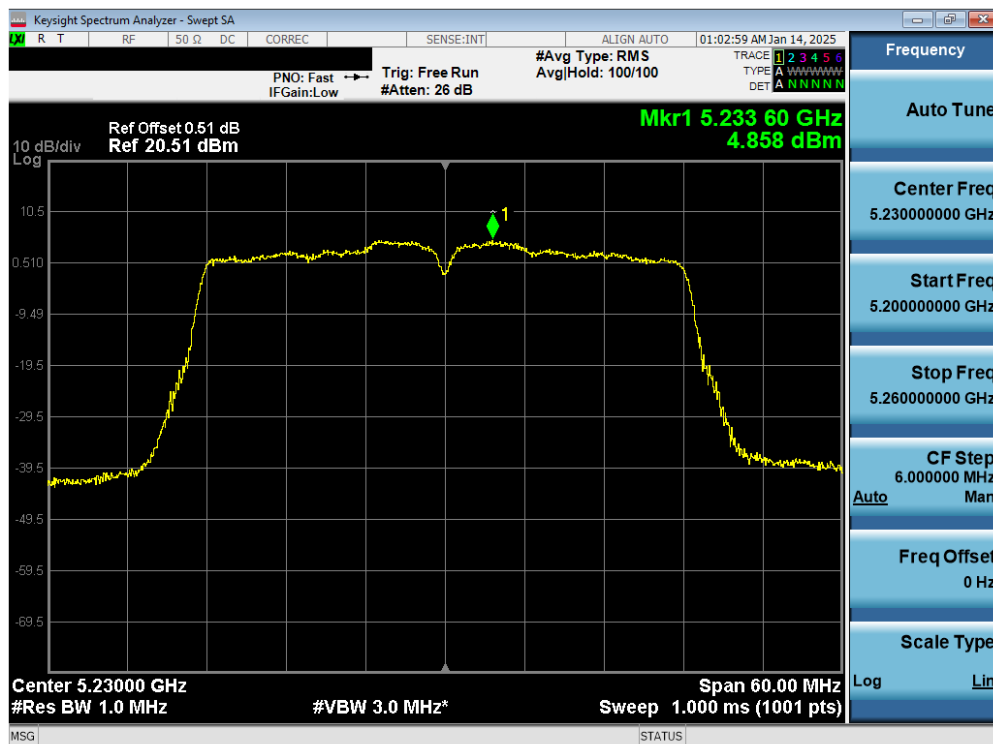
Plot 7-58. ISED PSD SDM Primary Antenna 3c (20MHz BW 11n – Ch.36)



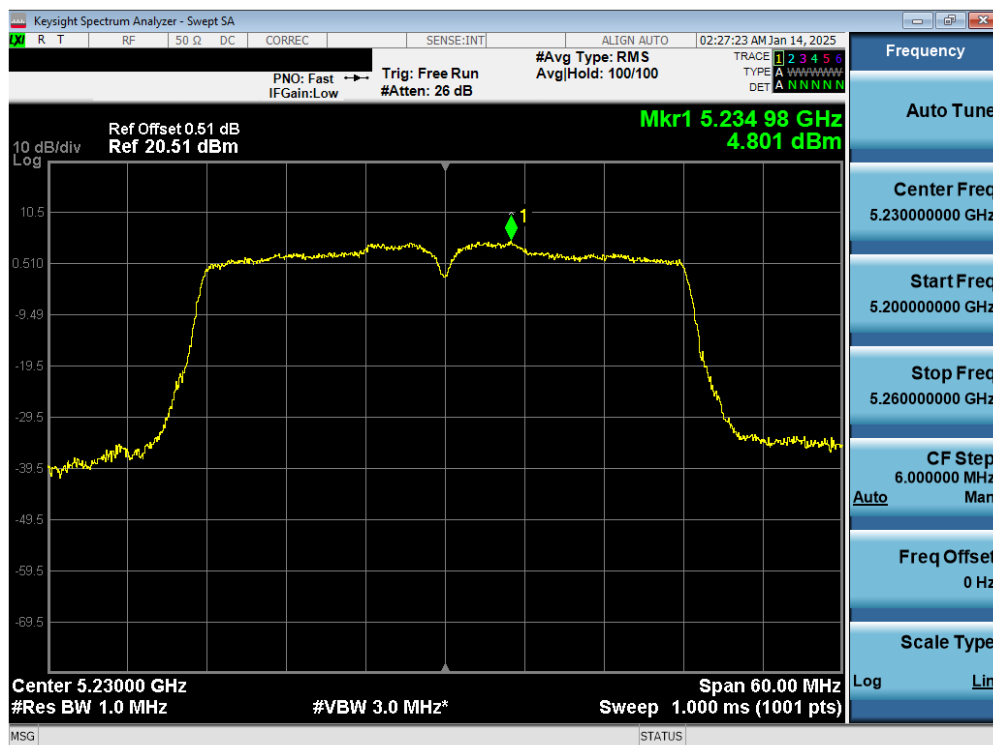
Plot 7-59. ISED PSD SDM Primary Antenna 3a (20MHz BW 11n – Ch.36)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 107 of 249

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Plot 7-60. ISED PSD SDM Primary Antenna 3c (40MHz BW 11n – Ch.46)

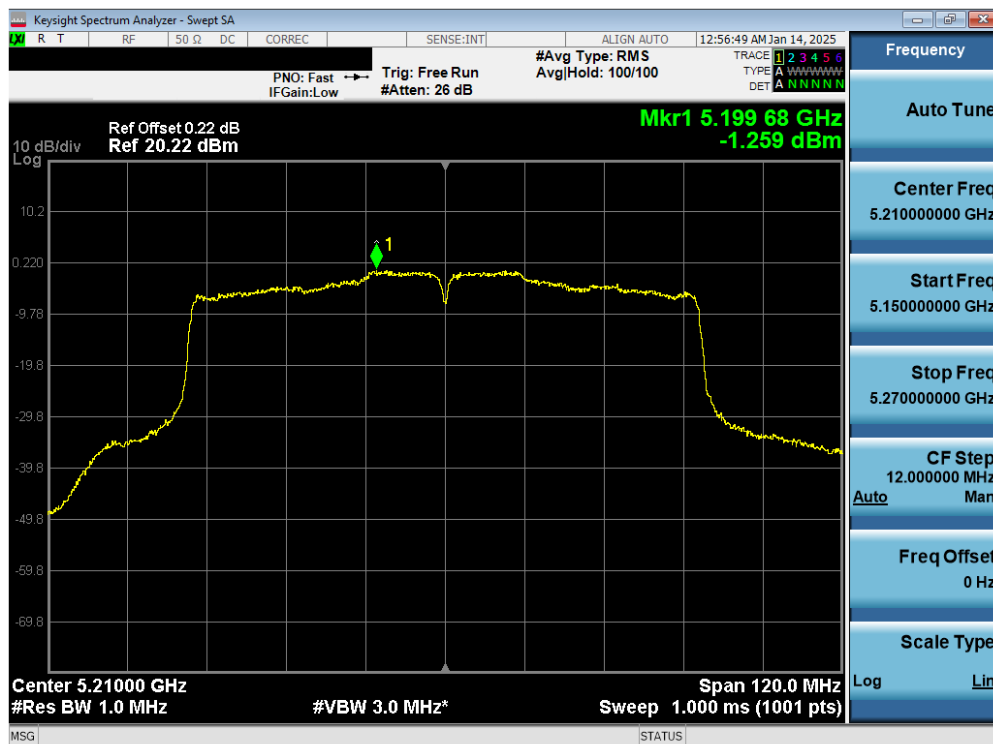


Plot 7-61. ISED PSD SDM Primary Antenna 3a (40MHz BW 11n – Ch.46)

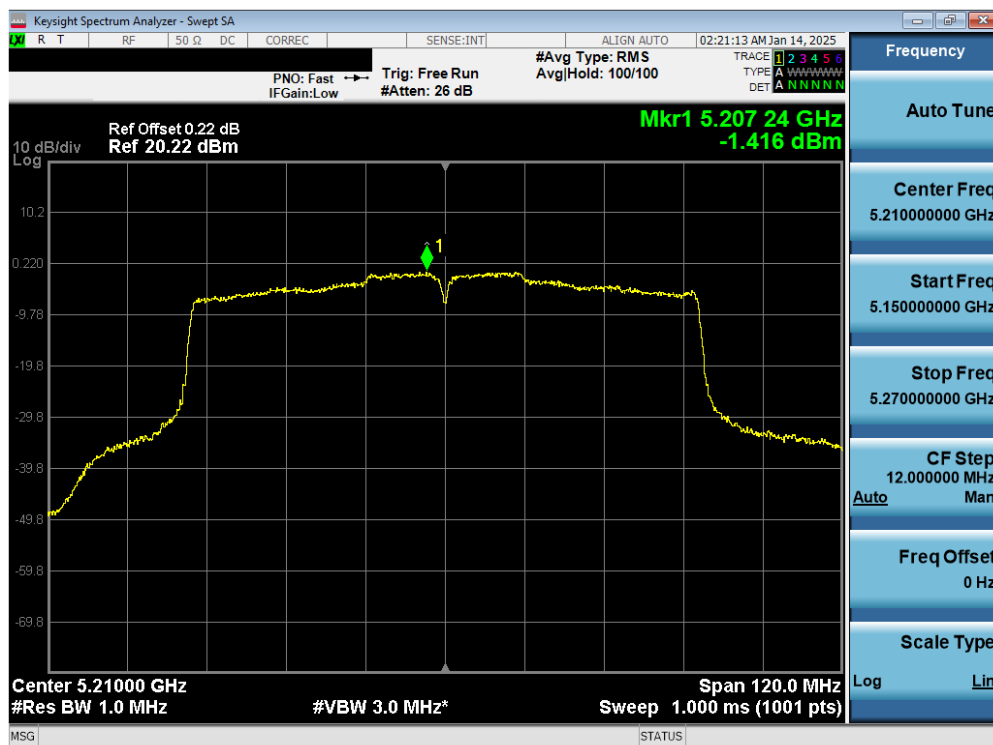
FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 108 of 249

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Plot 7-62. ISED PSD SDM Primary Antenna 3c (80MHz BW 11ac – Ch.42)



Plot 7-63. ISED PSD SDM Primary Antenna 3a (80MHz BW 11ac – Ch.42)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 109 of 249

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7.5.5 Summed CDD/SDM Diversity Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate [Mbps]	Mode	Antenna 3c Power Density [dBm/MHz]	Antenna 1b Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	39/43.3 (MCS10)	CDD	7.25	5.99	9.67	11.00	-1.33
	5200	40	n (20MHz)	39/43.3 (MCS10)	CDD	7.66	6.31	10.05	11.00	-0.95
	5240	48	n (20MHz)	39/43.3 (MCS10)	CDD	6.99	5.80	9.45	11.00	-1.55
	5180	36	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	6.58	4.63	8.72	11.00	-2.28
	5200	40	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	7.56	5.83	9.79	11.00	-1.21
	5240	48	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	7.27	5.64	9.54	11.00	-1.46
	5190	38	n (40MHz)	81/60 (MCS10)	CDD	3.02	1.00	5.13	11.00	-5.87
	5230	46	n (40MHz)	81/60 (MCS10)	CDD	8.34	6.26	10.43	11.00	-0.57
	5190	38	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	0.00	-1.36	2.39	11.00	-8.61
	5230	46	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	6.49	4.53	8.63	11.00	-2.37
	5210	42	ac (80MHz)	175.5/195 (MCS2)	CDD	-1.26	-2.21	1.30	11.00	-9.70
	5210	42	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-2.70	-4.08	-0.33	11.00	-11.33
Band 2A	5260	52	n (20MHz)	78/86.7 (MCS12)	CDD	7.29	5.63	9.55	11.00	-1.45
	5300	60	n (20MHz)	39/43.3 (MCS10)	CDD	7.23	5.58	9.49	11.00	-1.51
	5320	64	n (20MHz)	39/43.3 (MCS10)	CDD	7.08	5.84	9.51	11.00	-1.49
	5260	52	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.98	5.34	9.25	11.00	-1.75
	5300	60	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	6.76	5.89	9.36	11.00	-1.64
	5320	64	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	6.68	5.71	9.23	11.00	-1.77
	5270	54	n (40MHz)	81/60 (MCS10)	CDD	7.38	5.88	9.71	11.00	-1.29
	5310	62	n (40MHz)	162/180 (MCS12)	CDD	0.64	-0.36	3.18	11.00	-7.82
	5270	54	ax (SU) (40MHz)	196/206.5 (MCS4)	CDD	6.20	4.52	8.45	11.00	-2.55
	5310	62	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	-1.79	-3.12	0.60	11.00	-10.40
	5290	58	ac (80MHz)	175.5/195 (MCS2)	CDD	-2.70	-3.80	-0.21	11.00	-11.21
	5290	58	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-5.20	-6.22	-2.67	11.00	-13.67
Band 2C	5500	100	n (20MHz)	78/86.7 (MCS12)	CDD	6.90	6.06	9.51	11.00	-1.49
	5580	116	n (20MHz)	78/86.7 (MCS12)	CDD	7.20	5.77	9.55	11.00	-1.45
	5700	140	n (20MHz)	39/43.3 (MCS10)	CDD	5.95	4.32	8.22	11.00	-2.78
	5720	144	n (20MHz)	78/86.7 (MCS12)	CDD	7.81	6.09	10.04	11.00	-0.96
	5500	100	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	6.74	6.11	9.45	11.00	-1.55
	5580	116	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	7.02	5.55	9.36	11.00	-1.64
	5700	140	ax (SU) (20MHz)	48/51.6 (MCS2)	CDD	4.91	3.17	7.14	11.00	-3.86
	5720	144	ax (SU) (20MHz)	98/103.2 (MCS4)	CDD	6.92	5.99	9.49	11.00	-1.51
	5510	102	n (40MHz)	162/180 (MCS12)	CDD	1.76	0.43	4.16	11.00	-6.84
	5550	110	n (40MHz)	81/60 (MCS10)	CDD	6.32	5.49	8.94	11.00	-2.06
	5590	118	n (40MHz)	162/180 (MCS12)	CDD	6.94	5.48	9.28	11.00	-1.72
	5670	134	n (40MHz)	81/60 (MCS10)	CDD	6.28	4.45	8.47	11.00	-2.53
	5710	142	n (40MHz)	162/180 (MCS12)	CDD	7.78	5.93	9.97	11.00	-1.03
	5510	102	ax (SU) (40MHz)	196/206.5 (MCS4)	CDD	-1.02	-2.22	1.43	11.00	-9.57
	5550	110	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	4.32	3.01	6.72	11.00	-4.28
	5590	118	ax (SU) (40MHz)	271/286.8 (MCS11)	CDD	6.10	4.46	8.37	11.00	-2.63
	5670	134	ax (SU) (40MHz)	98/103.2 (MCS2)	CDD	2.38	1.03	4.77	11.00	-6.23
	5710	142	ax (SU) (40MHz)	196/206.5 (MCS4)	CDD	6.43	4.76	8.69	11.00	-2.31
	5530	106	ac (80MHz)	351/390 (MCS4)	CDD	-2.13	-3.95	0.06	11.00	-10.94
	5610	122	ac (80MHz)	175.5/195 (MCS2)	CDD	2.66	1.57	5.16	11.00	-5.84
	5690	138	ac (80MHz)	351/390 (MCS4)	CDD	5.10	3.58	7.41	11.00	-3.59
	5530	106	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	-4.03	-5.67	-1.76	11.00	-12.76
	5610	122	ax (SU) (80MHz)	204/216.2 (MCS2)	CDD	0.64	-0.99	2.91	11.00	-8.09
	5690	138	ax (SU) (80MHz)	1134/1201 (MCS11)	CDD	4.24	1.99	6.27	11.00	-4.73

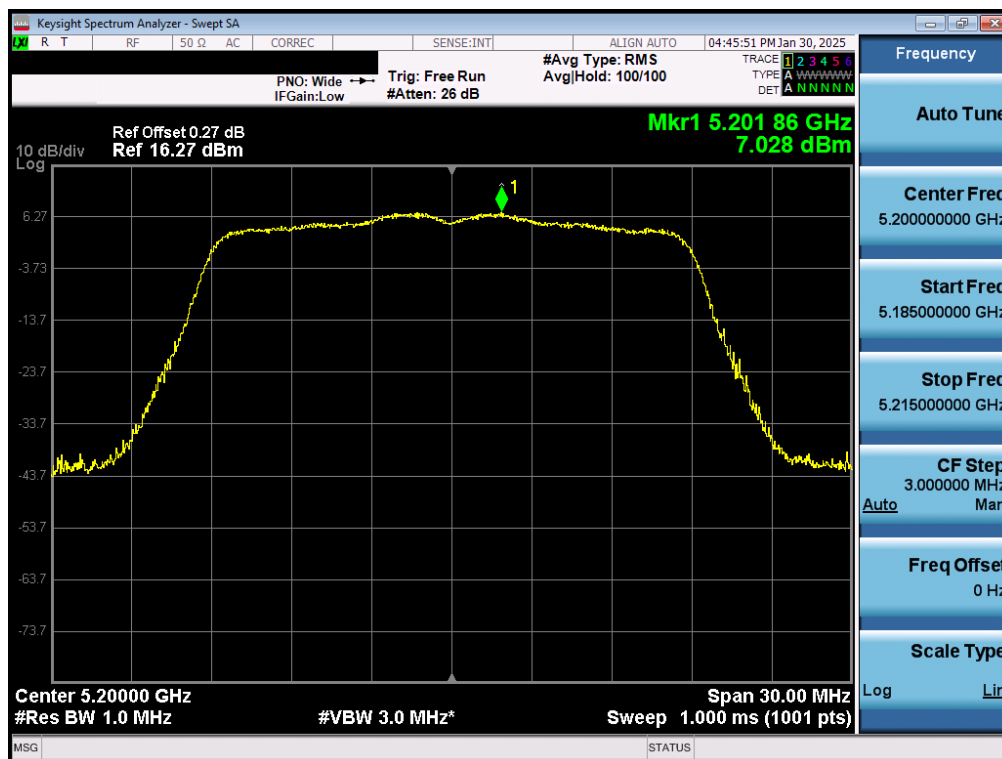
Table 7-90. Bands 1, 2A, 2C CDD Diversity Power Spectral Density Measurements

*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

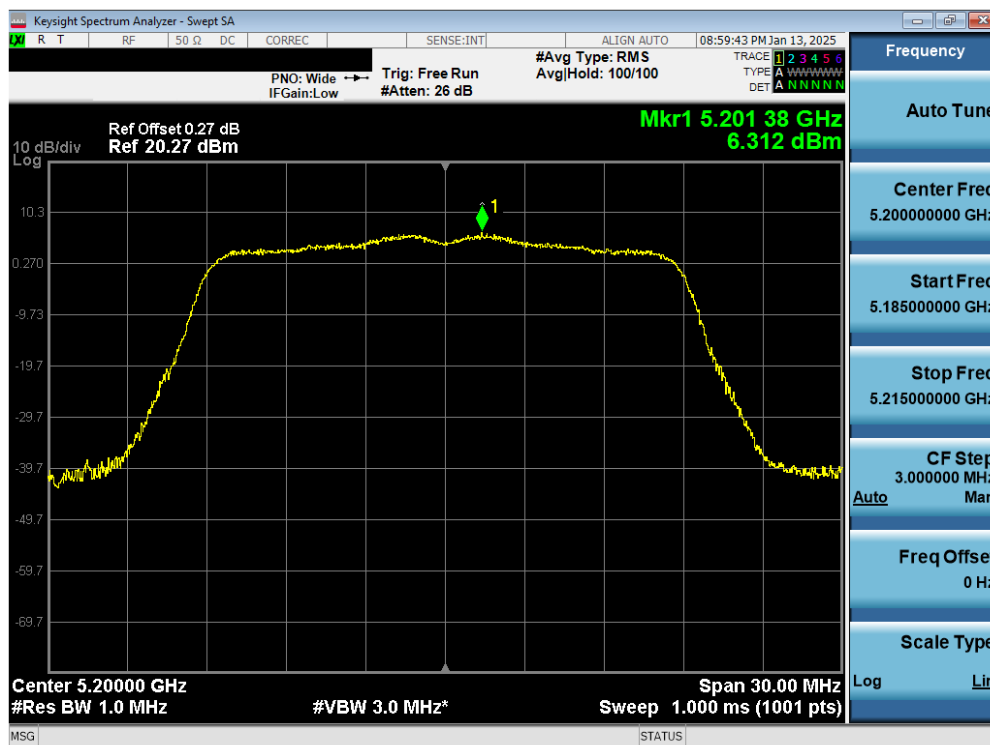
FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 110 of 249

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Plot 7-64. PSD CDD Diversity Antenna 3c (20MHz BW 802.11n – Ch. 40)

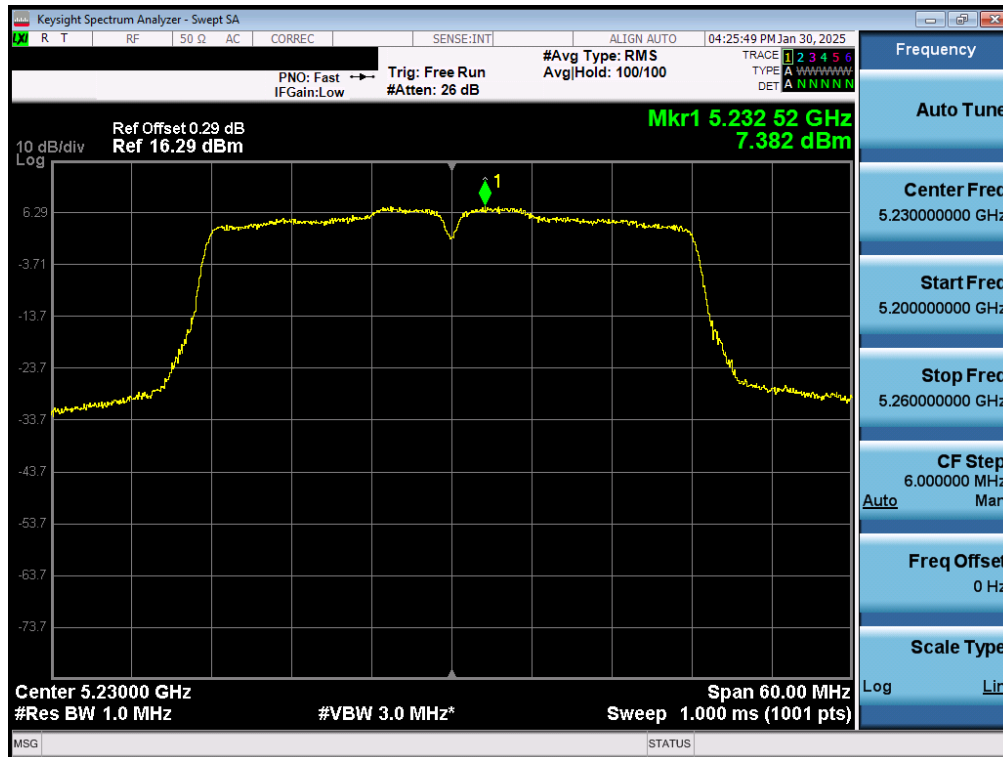


Plot 7-65. PSD CDD Diversity Antenna 1b (20MHz BW 802.11n – Ch. 40)

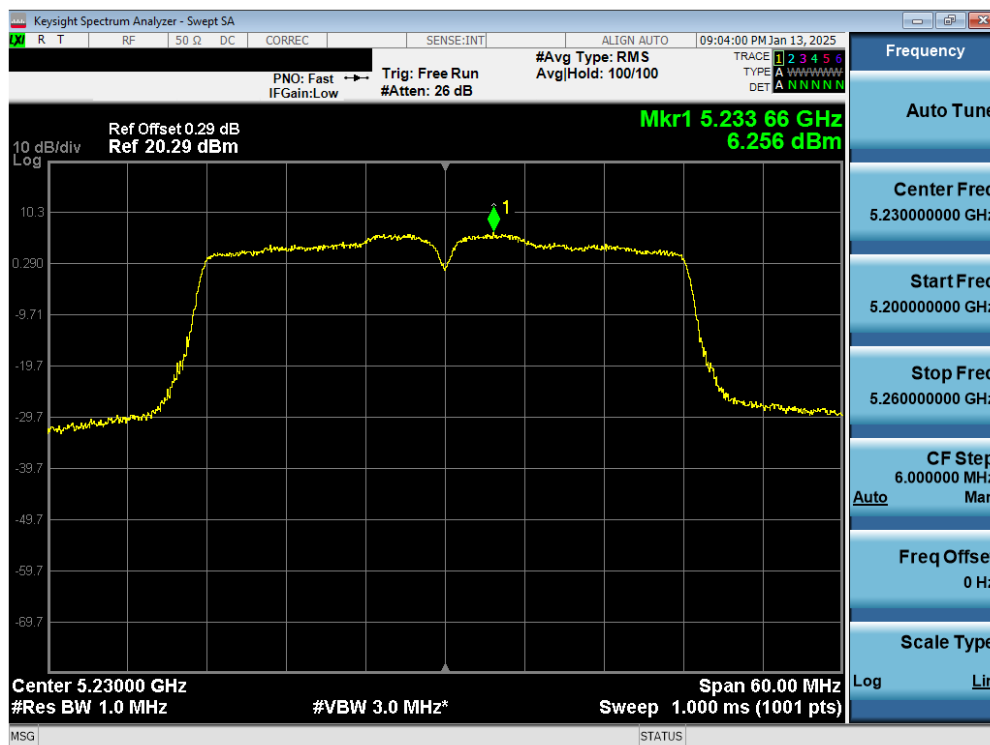
FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 111 of 249

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Plot 7-66. PSD CDD Diversity Antenna 3c (40MHz BW 802.11n – Ch. 46)

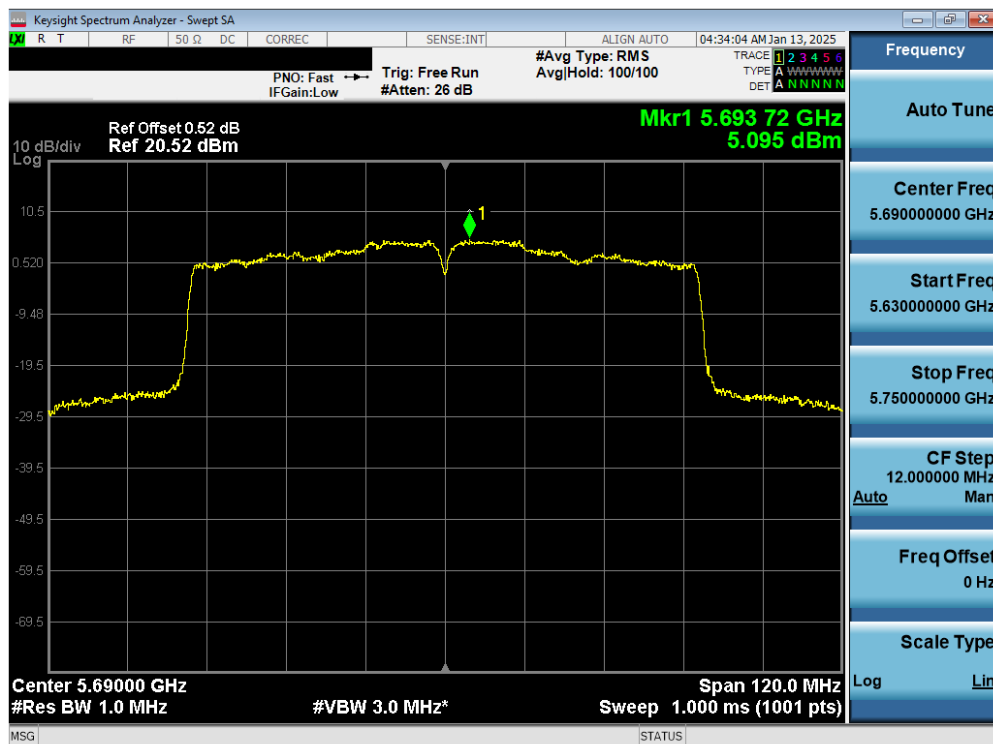


Plot 7-67. PSD CDD Diversity Antenna 1b (40MHz BW 802.11n – Ch. 46)

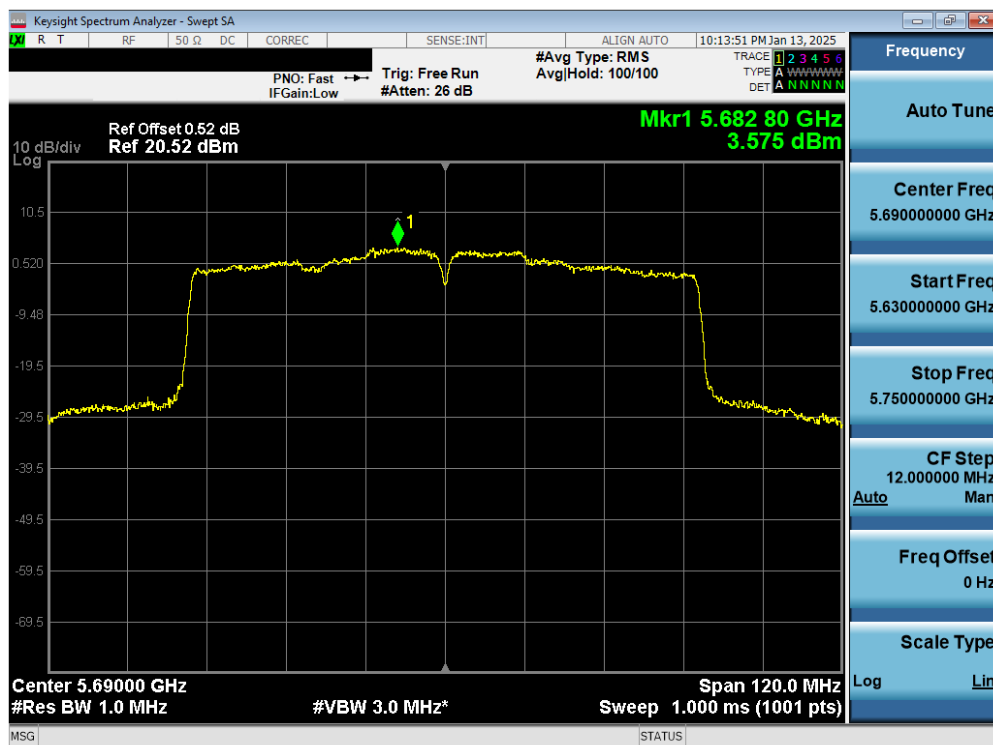
FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 112 of 249

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Plot 7-68. PSD CDD Diversity Antenna 3c (80MHz BW 802.11ac – Ch. 138)



Plot 7-69. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ac – Ch. 138)

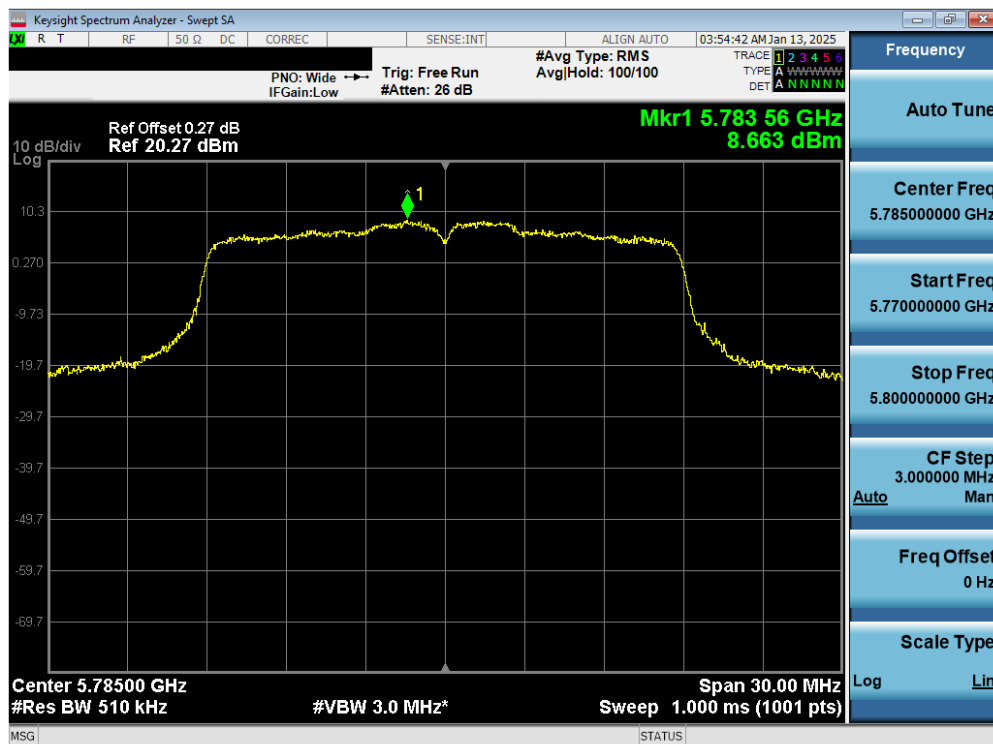
FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	Frequency [MHz]	Channel	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 3c Power Density [dBm/500kHz]	Antenna 1b Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	CDD	78/86.7 (MCS12)	8.02	6.64	10.39	30.0	-19.61
	5785	157	n (20MHz)	CDD	39/43.3 (MCS10)	8.66	6.42	10.70	30.0	-19.30
	5825	165	n (20MHz)	CDD	39/43.3 (MCS10)	8.01	6.68	10.40	30.0	-19.60
	5745	149	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	7.79	6.42	10.17	30.0	-19.83
	5785	157	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	8.13	6.39	10.36	30.0	-19.64
	5825	165	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	8.05	6.50	10.36	30.0	-19.64
	5755	151	n (40MHz)	CDD	162/180 (MCS12)	5.23	3.63	7.51	30.0	-22.49
	5795	159	n (40MHz)	CDD	162/180 (MCS12)	4.81	3.12	7.06	30.0	-22.94
	5755	151	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	4.28	2.55	6.51	30.0	-23.49
	5795	159	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	3.50	1.99	5.82	30.0	-24.18
	5775	155	ac (80MHz)	CDD	175.5/195 (MCS2)	-0.09	-1.26	2.38	30.0	-27.62
	5775	155	ax (SU) (80MHz)	CDD	204/216.2 (MCS2)	-1.66	-3.42	0.55	30.0	-29.45

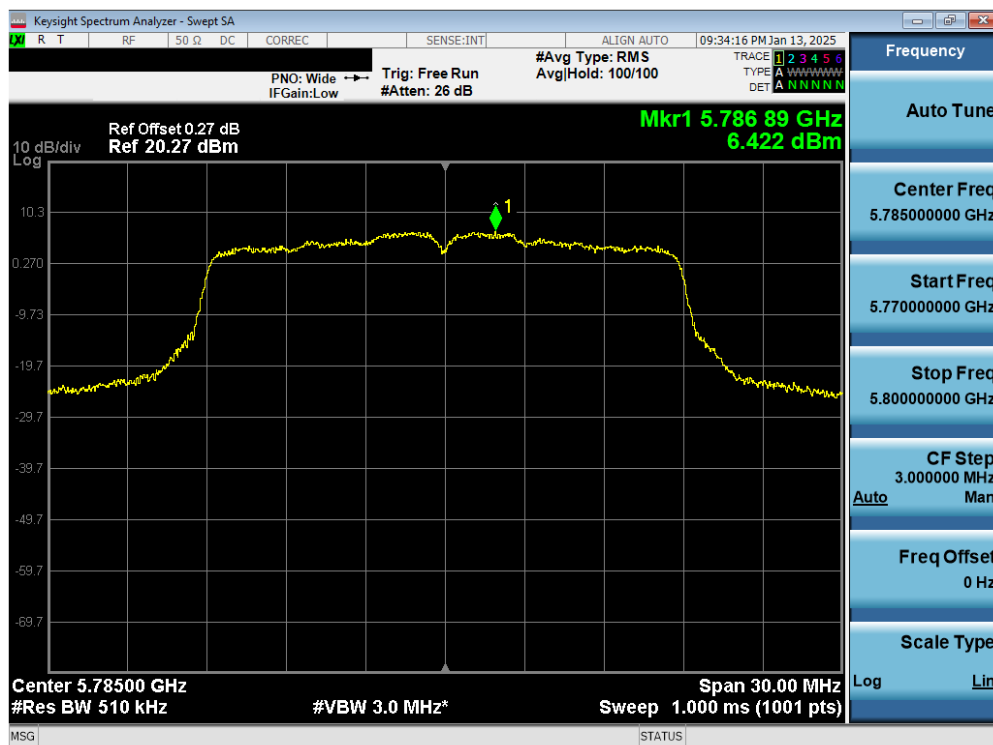
Table 7-91. Band 3 Power Spectral Density Measurements CDD Diversity

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 114 of 249

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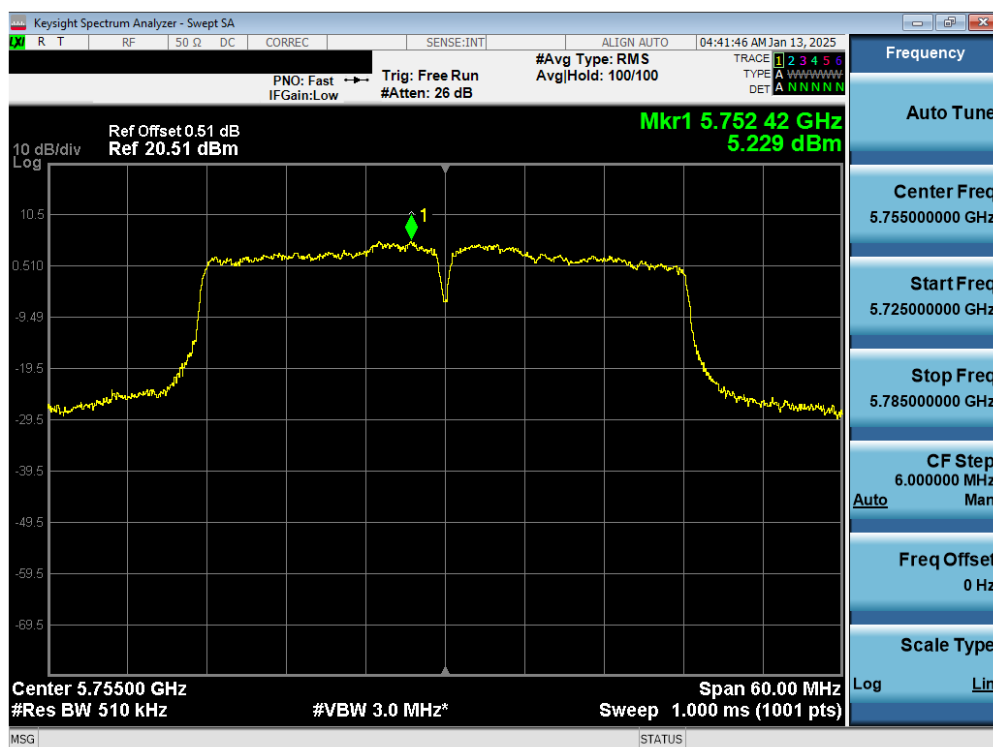


Plot 7-70. PSD CDD Diversity Antenna 3c (20MHz BW 802.11n – Ch. 157)

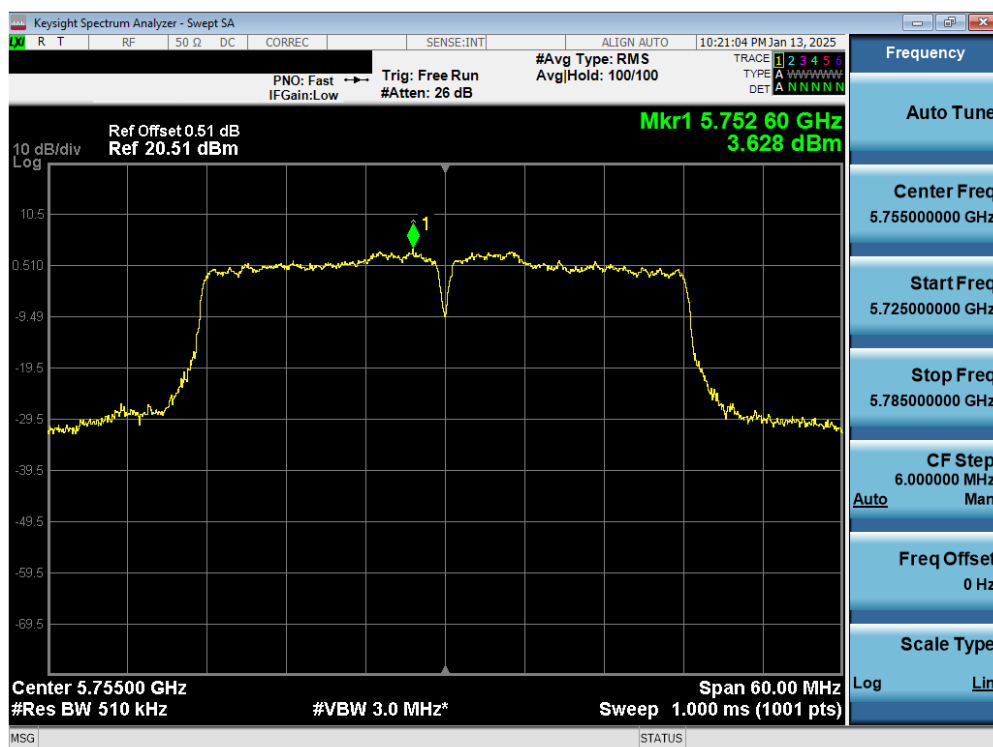


Plot 7-71. PSD CDD Diversity Antenna 1b (20MHz BW 802.11n – Ch. 157)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 115 of 249



Plot 7-72. PSD CDD Diversity Antenna 3c (40MHz BW 802.11n – Ch. 151)

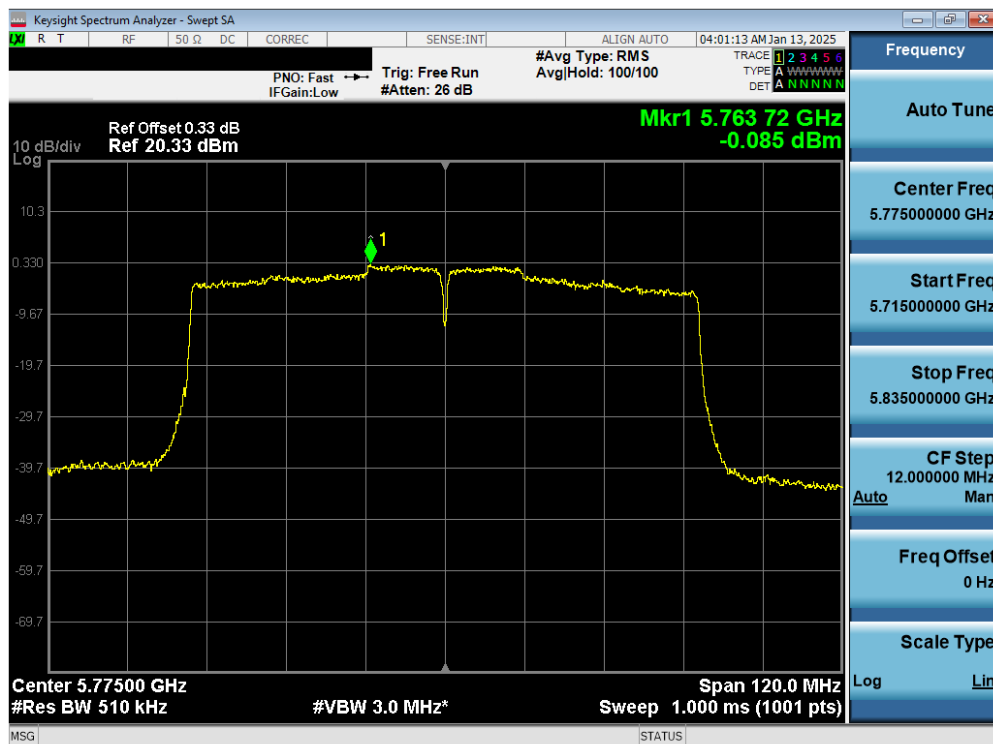


Plot 7-73. PSD CDD Diversity Antenna 1b (40MHz BW 802.11n – Ch. 151)

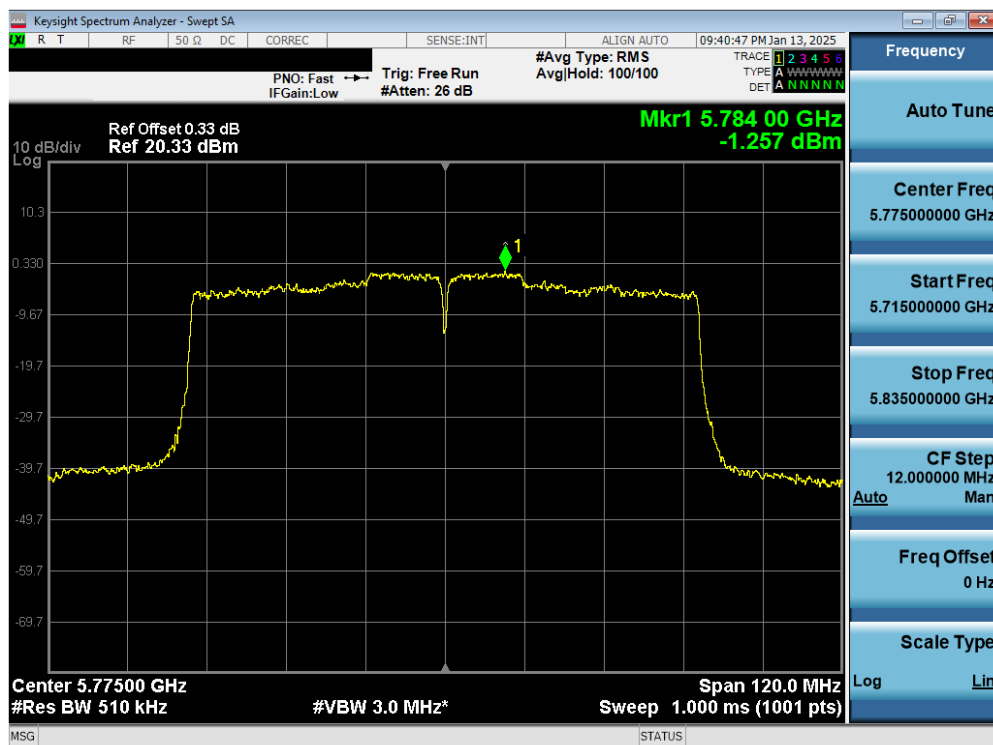
FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 116 of 249

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Plot 7-74. PSD CDD Diversity Antenna 3c (80MHz BW 802.11ac – Ch. 155)



Plot 7-75. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ac – Ch. 155)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 117 of 249

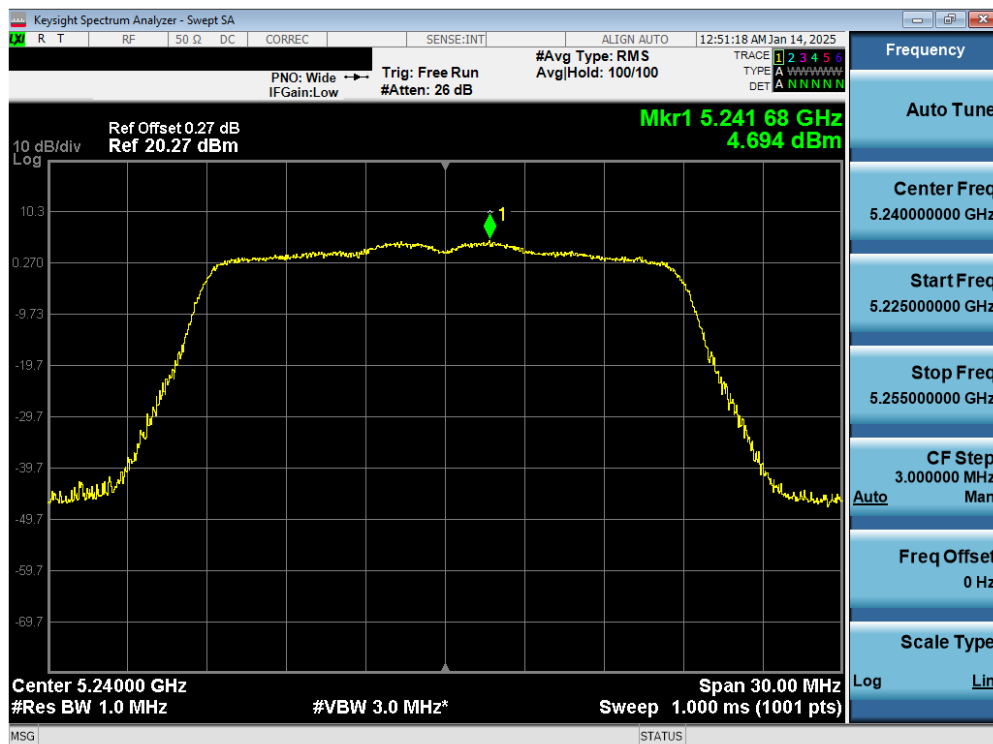
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	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 3c Power Density [dBm/MHz]	Antenna 1b Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directioinal Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	SDM	78/86.7 (MCS12)	4.87	3.17	7.11	0.77	7.89	10.0	-2.11
	5200	40	n (20MHz)	SDM	78/86.7 (MCS12)	4.78	3.33	7.12	0.77	7.90	10.0	-2.10
	5240	48	n (20MHz)	SDM	39/43.3 (MCS10)	4.69	3.97	7.36	0.77	8.13	10.0	-1.87
	5180	36	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	4.72	3.33	7.09	0.77	7.86	10.0	-2.14
	5200	40	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	4.51	3.13	6.89	0.77	7.66	10.0	-2.34
	5240	48	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	4.17	3.49	6.85	0.77	7.63	10.0	-2.37
	5190	38	n (40MHz)	SDM	81/60 (MCS10)	2.10	0.40	4.34	3.58	7.92	10.0	-2.08
	5230	46	n (40MHz)	SDM	162/180 (MCS12)	4.86	3.12	7.08	0.77	7.86	10.0	-2.14
	5190	38	ax (SU) (40MHz)	CDD	98/103.2 (MCS2)	-0.22	-2.22	1.91	3.58	5.49	10.0	-4.51
	5230	46	ax (SU) (40MHz)	SDM	271/286.8 (MCS11)	4.61	2.52	6.70	0.77	7.47	10.0	-2.53
	5210	42	ac (80MHz)	CDD	175.5/195 (MCS2)	-1.26	-2.33	1.25	3.58	4.83	10.0	-5.17
	5210	42	ax (SU) (80MHz)	CDD	204/216.2 (MCS2)	-2.85	-4.59	-0.63	3.58	2.95	10.0	-7.05

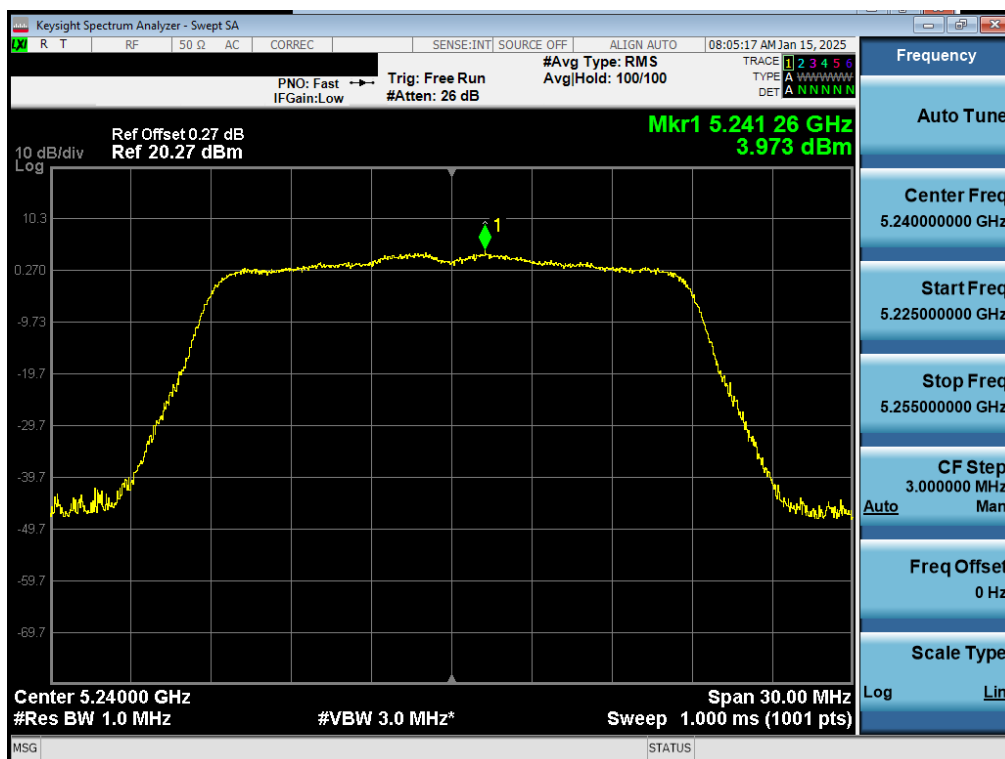
Table 7-92. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Diversity

FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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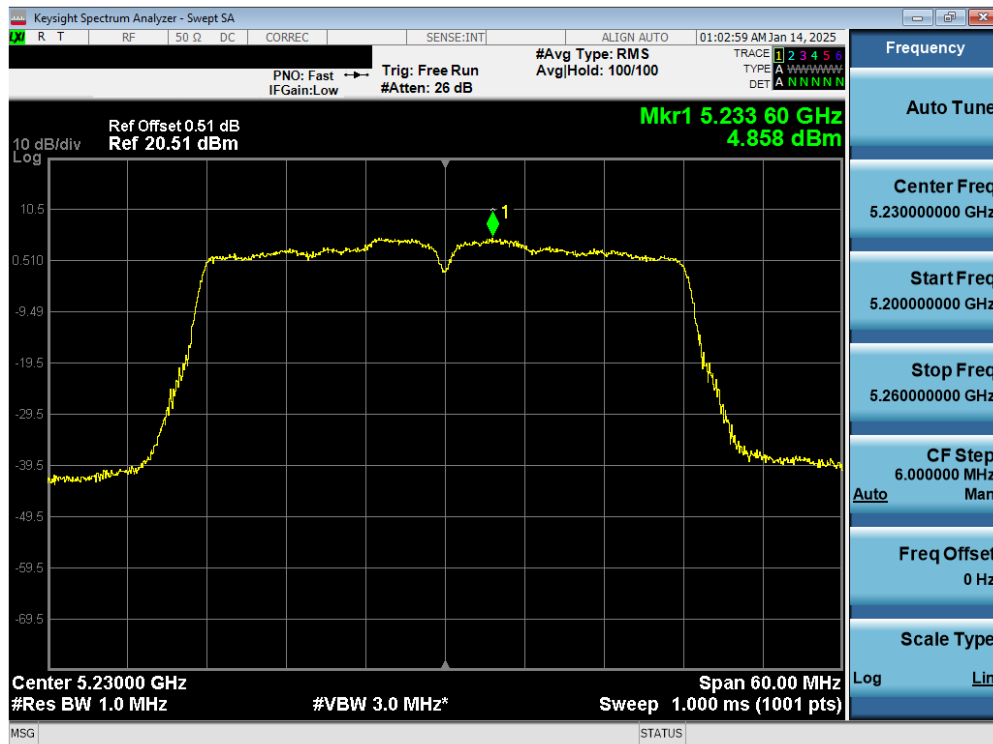
Plot 7-76. ISED PSD SDM Diversity Antenna 3c (20MHz BW 11n – Ch.48)



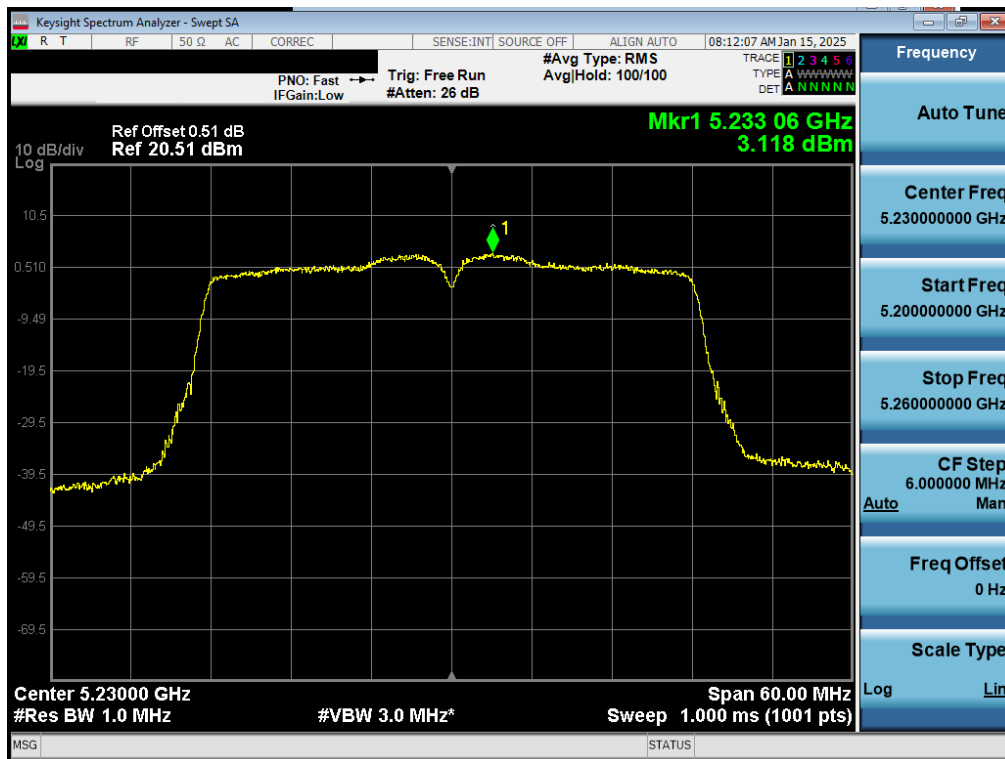
Plot 7-77. ISED PSD SDM Diversity Antenna 1b (20MHz BW 11n – Ch.48)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-78. ISED PSD SDM Primary Antenna 3c (40MHz BW 11n – Ch.46)

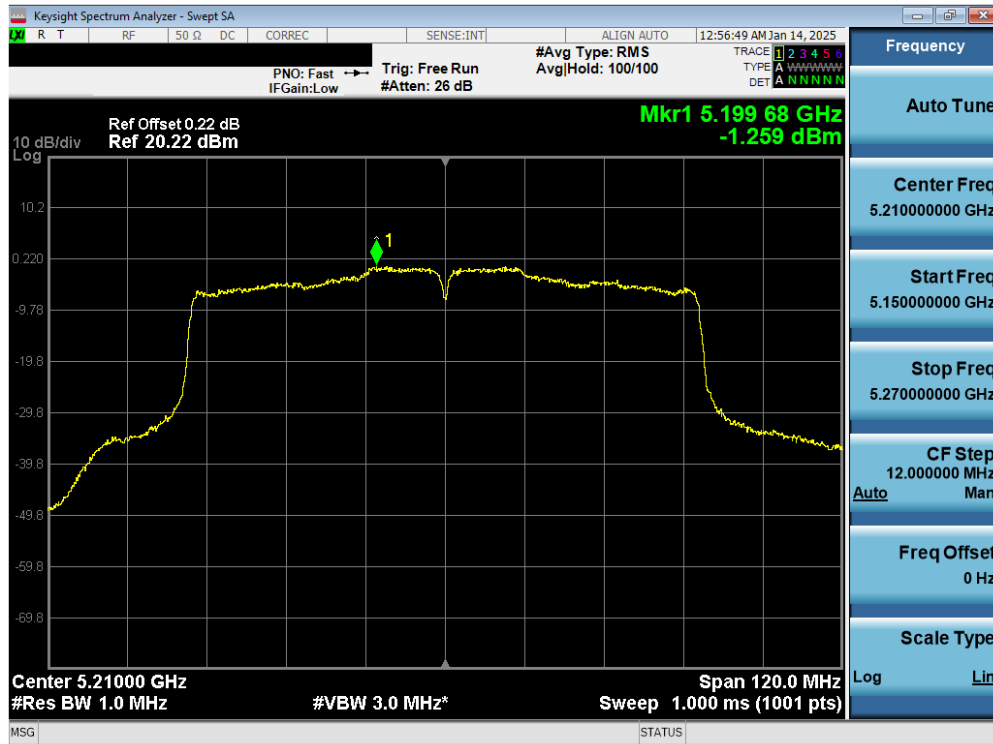


Plot 7-79. ISED PSD SDM Primary Antenna 3a (40MHz BW 11n – Ch.46)

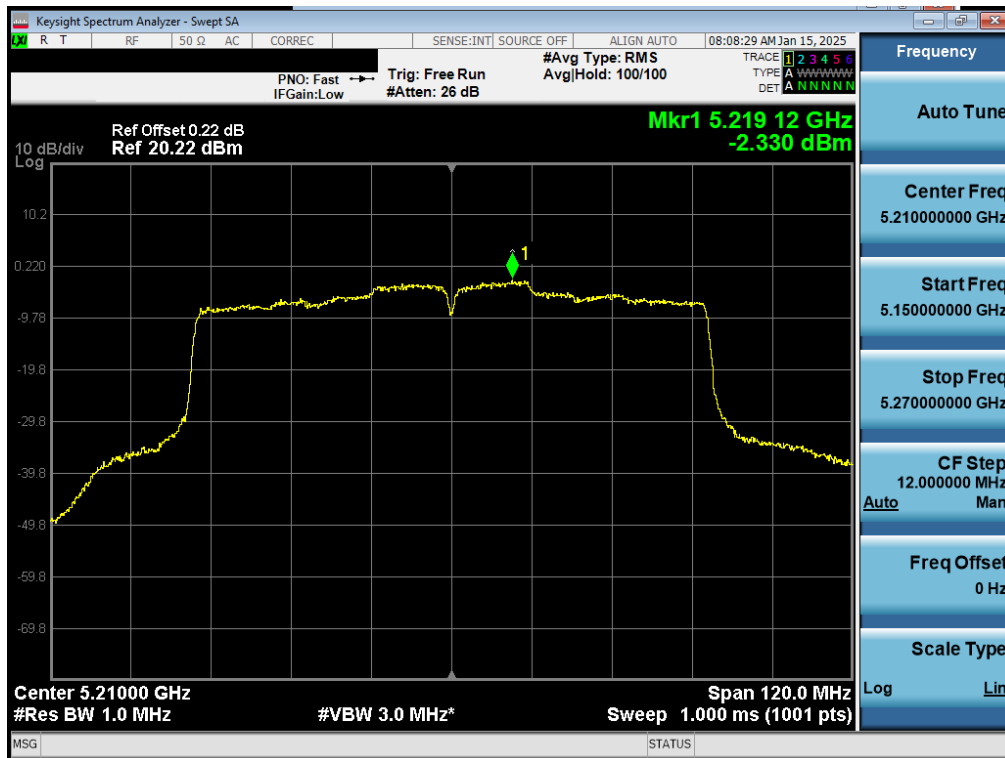
FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-80. ISED PSD SDM Primary Antenna 3c (80MHz BW 11ac – Ch.42)



Plot 7-81. ISED PSD SDM Primary Antenna 3a (80MHz BW 11ac – Ch.42)

FCC ID: BCGA3355 IC: 579C-A3355	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Note:

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna 3c and Antenna 3a were first measured separately during CDD/SDM 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 Section 14.6.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

Per ANSI C63.10-2020 Section 14.6.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

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

Sample CDD/SDM Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 4.87 dBm for Antenna 3c and 4.63 dBm for Antenna 3a.

$$\text{Antenna 3c} + \text{Antenna 3a} = \text{CDD/SDM}$$

$$(4.87 \text{ dBm} + 4.63 \text{ dBm}) = (3.07\text{mW} + 2.90\text{mW}) = 5.97\text{mW} = 7.76\text{dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 7.76 dBm with directional gain of 1.26 dBi.

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

$$7.76 \text{ dBm} + 1.26 \text{ dBi} = 9.03 \text{ dBm}$$

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7.6 Radiated Spurious Emissions – Above 1GHz

§15.407(b) §15.205 §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11n, 802.11ax(SU) (20MHz BW), 802.11n, 802.11ax(SU) (40MHz BW), and 802.11ac, 802.11ax(SU) (80MHz), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-93 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-93. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Sections 12.7.7, 12.7.6
KDB 789033 D02 v02r01 – Section G

Test Settings

Average Field Strength Measurements

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

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Peak Field Strength Measurements

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

Test Setup

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

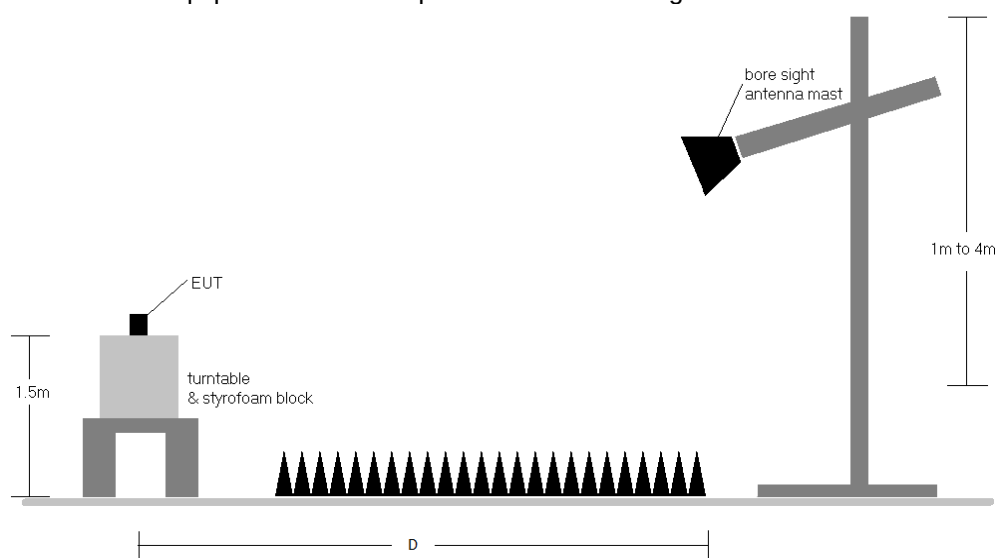


Figure 7-5. Test Instrument & Measurement Setup

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Test Notes

1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-93.
2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-93. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. All data rates and antenna configurations were investigated and only the worst case is reported.
9. The unit was tested with all possible modes and only the highest emission is reported.
10. The unit was tested at its highest output power.
11. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level}_{[dBm]} + 107 + \text{AFCL}_{[dB/m]}$
- $\text{AFCL}_{[dB/m]} = \text{Antenna Factor}_{[dB/m]} + \text{Cable Loss}_{[dB]} - \text{Preamplifier Gain}_{[dB]}$
- $\text{Margin}_{[dB]} = \text{Field Strength Level}_{[dB\mu V/m]} - \text{Limit}_{[dB\mu V/m]}$

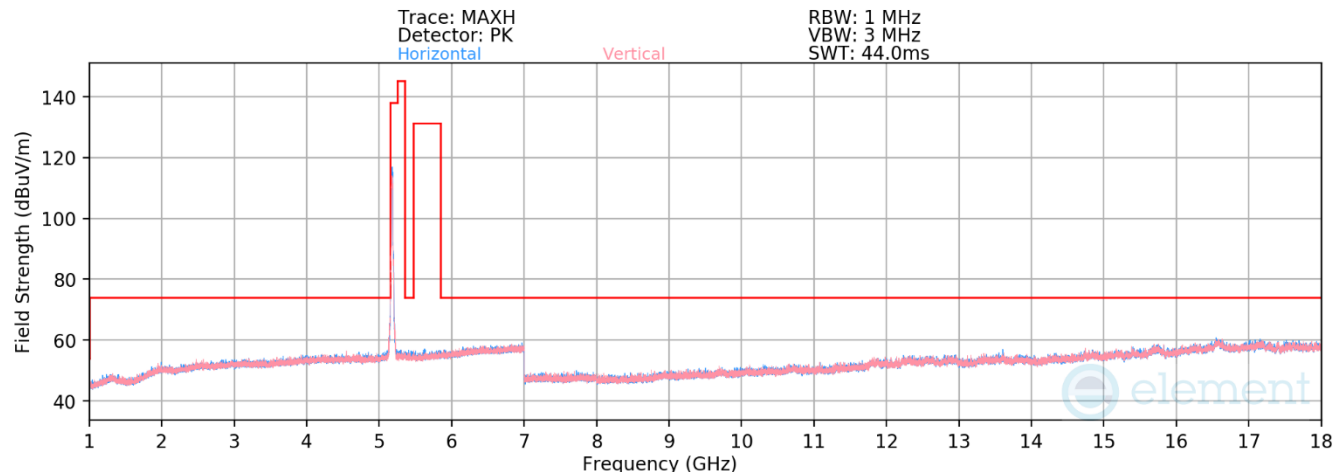
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6.4 to 7.6.18 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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7.6.1 CDD Primary Radiated Spurious Emission



Plot 7-82. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 36)

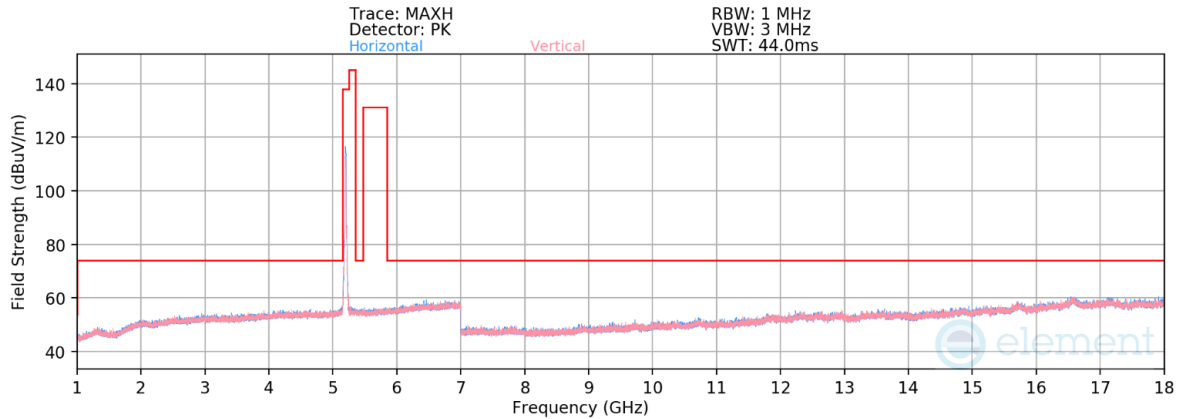
Mode: 802.11n
Data Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5180MHz
Channel: 36

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
	10360.00	Peak	V	-	-	-69.98	15.15	52.17	68.23	-16.06
*	15540.00	Average	H	-	-	-84.12	22.94	45.82	53.98	-8.16
*	15540.00	Peak	H	-	-	-72.75	22.76	57.00	73.98	-16.98

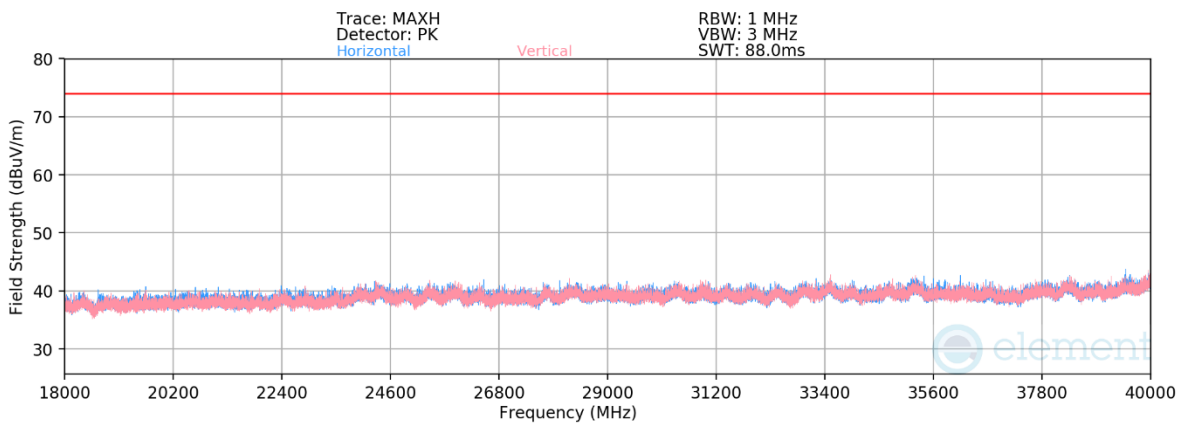
Table 7-94. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 126 of 249

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Plot 7-83. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 40)



Plot 7-84. Radiated Spurious Emissions above 18GHz CDD Primary (802.11n – Ch. 40)

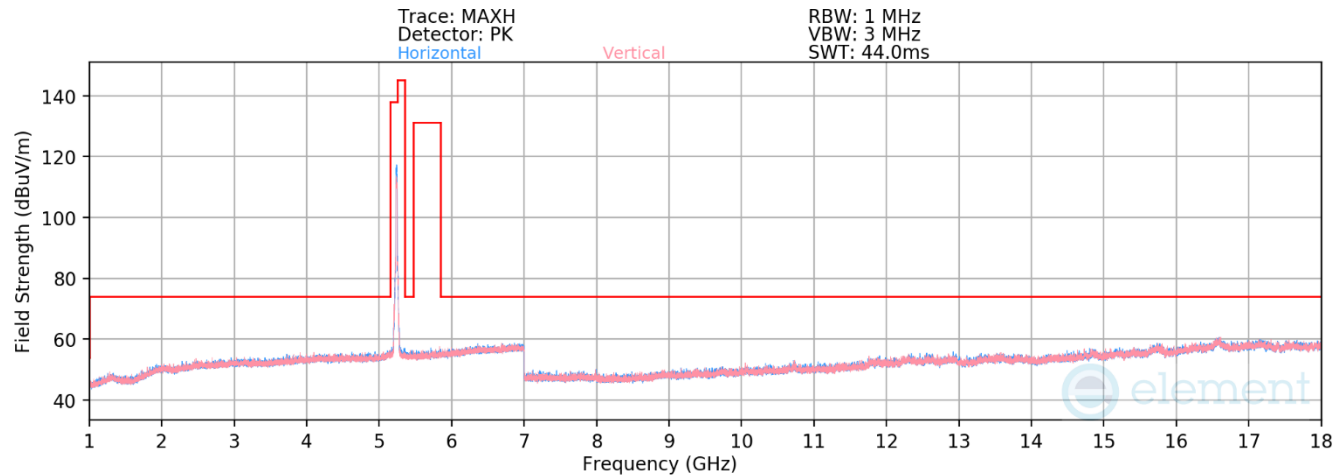
Mode:	802.11n
Data Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	5200MHz
Channel:	40

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10400.00	Peak	H	-	-	-69.93	15.10	52.18	68.23	-16.05
* 15600.00	Average	H	-	-	-83.21	22.68	46.47	53.98	-7.51
* 15600.00	Peak	H	-	-	-72.69	22.68	56.99	73.98	-16.99

Table 7-95. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 127 of 249

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Plot 7-85. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 48)

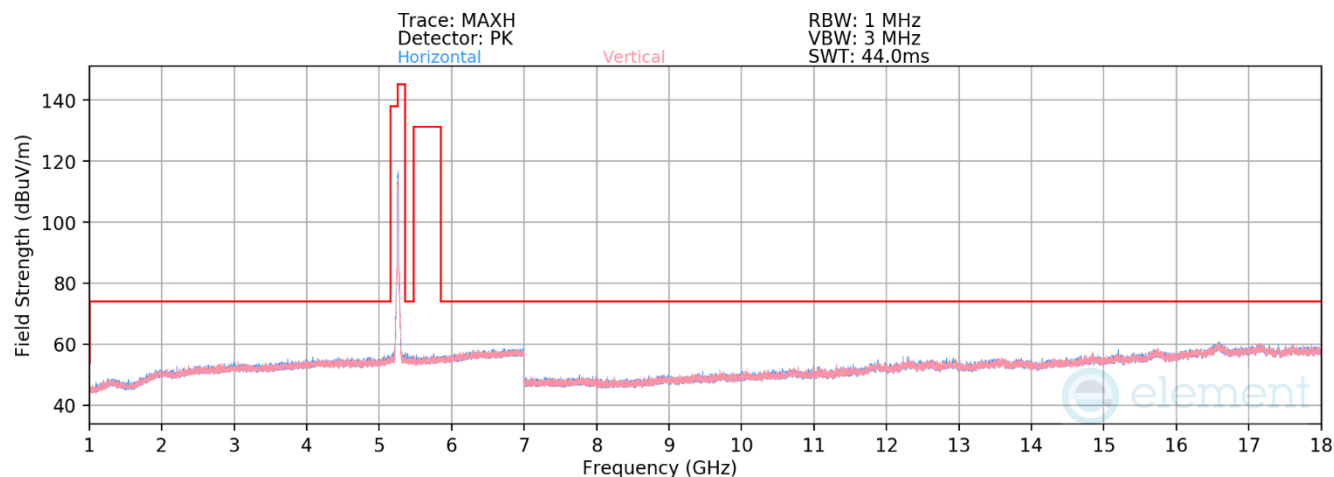
Mode:	802.11n
Data Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	5240MHz
Channel:	48

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
	10480.00	Peak	H	-	-	-70.56	14.76	51.21	68.23	-17.02
*	15720.00	Average	V	-	-	-84.47	24.36	46.89	53.98	-7.09
*	15720.00	Peak	V	-	-	-72.99	24.21	58.23	73.98	-15.75

Table 7-96. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355	element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device		Page 128 of 249

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Plot 7-86. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 52)

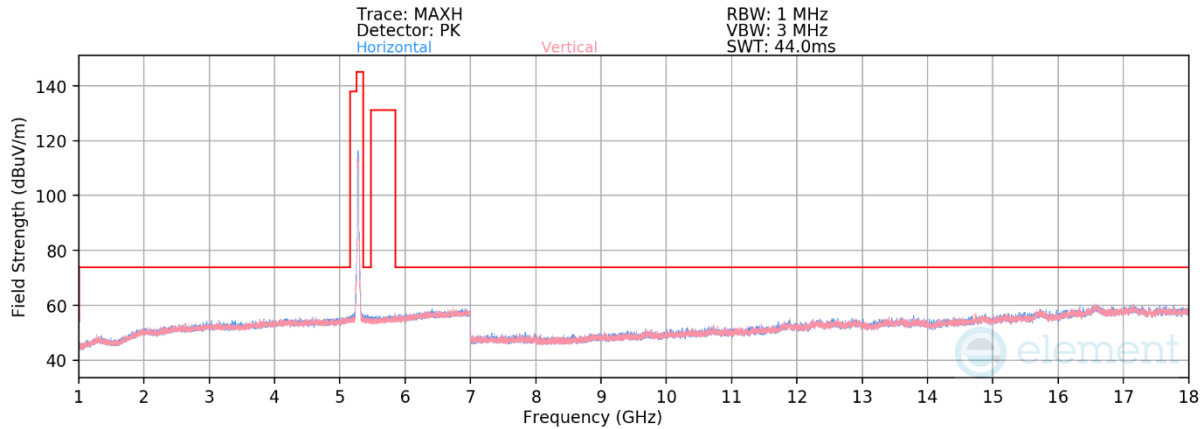
Mode: 802.11n
Data Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5260MHz
Channel: 52

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10520.00	Peak	H	-	-	-69.79	14.60	51.81	68.23	-16.42
*	15780.00	Average	V	-	-	-84.61	24.42	46.82	53.98	-7.16
*	15780.00	Peak	V	-	-	-74.06	24.99	57.92	73.98	-16.06

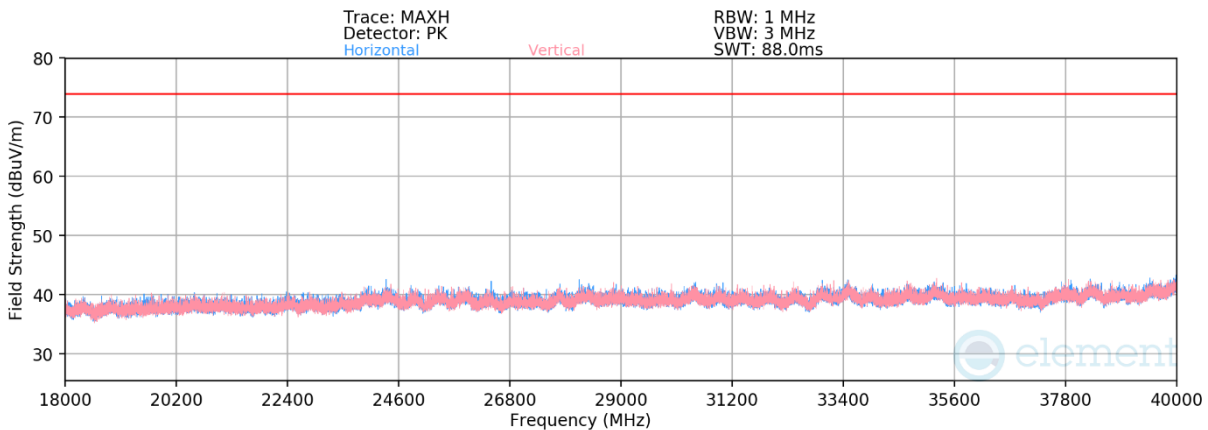
Table 7-97. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 129 of 249

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Plot 7-87. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 56)



Plot 7-88. Radiated Spurious Emissions above 18GHz CDD Primary (802.11n – Ch. 56)

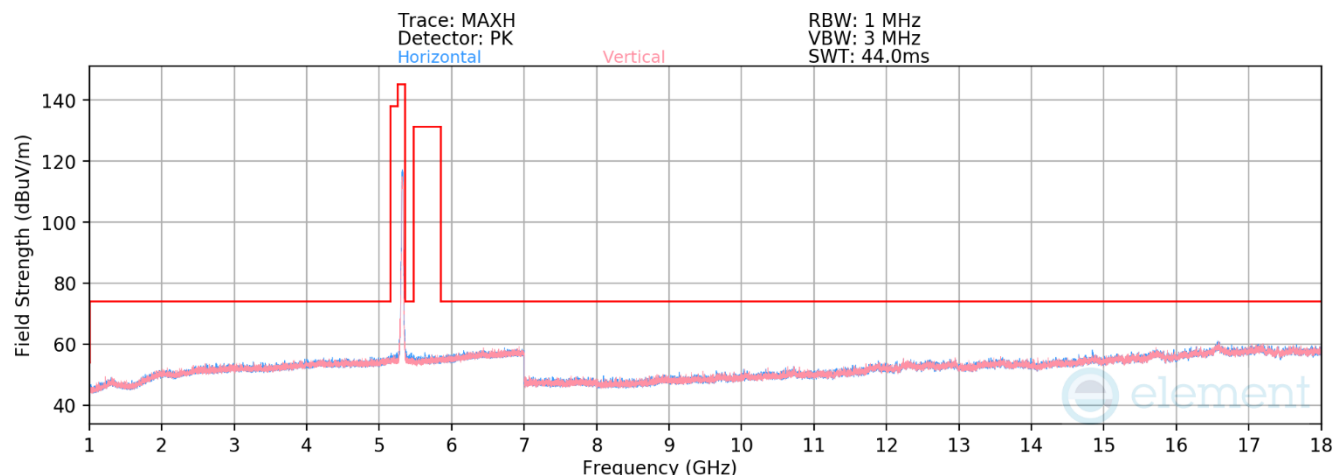
Mode:	802.11n
Data Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	5280MHz
Channel:	56

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10560.00	Peak	H	-	-	-69.21	14.82	52.61	68.23	-15.62
* 15840.00	Average	V	-	-	-84.64	24.28	46.64	53.98	-7.34
* 15840.00	Peak	V	-	-	-73.36	24.28	57.92	73.98	-16.06

Table 7-98. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 130 of 249

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Plot 7-89. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 64)

Mode: 802.11n

Data Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5320MHz

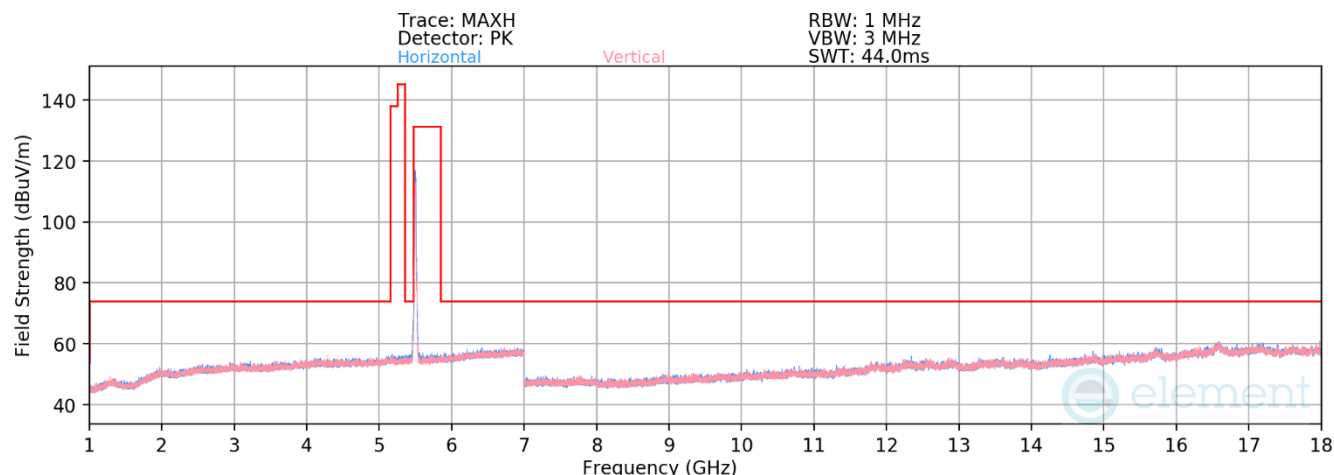
Channel: 64

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	10640.00	Average	H	-	-	-81.56	15.82	41.26	53.98	-12.72
*	10640.00	Peak	H	-	-	-70.48	15.82	52.34	73.98	-21.64
*	15960.00	Average	H	-	-	-83.82	23.73	46.91	53.98	-7.07
*	15960.00	Peak	H	-	-	-72.73	23.73	58.00	73.98	-15.98

Table 7-99. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 131 of 249

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Plot 7-90. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 100)

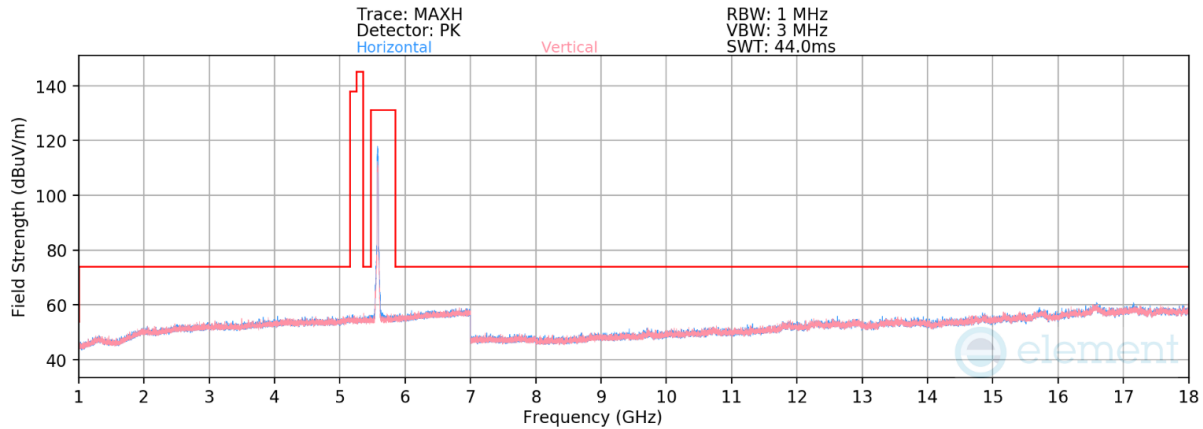
Mode: 802.11n
Data Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5500MHz
Channel: 100

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11000.00	Average	H	-	-	-81.88	15.69	40.81	53.98	-13.17
*	11000.00	Peak	H	-	-	-70.75	15.97	52.22	73.98	-21.76
	16500.00	Peak	V	-	-	-71.17	24.00	59.83	68.23	-8.40

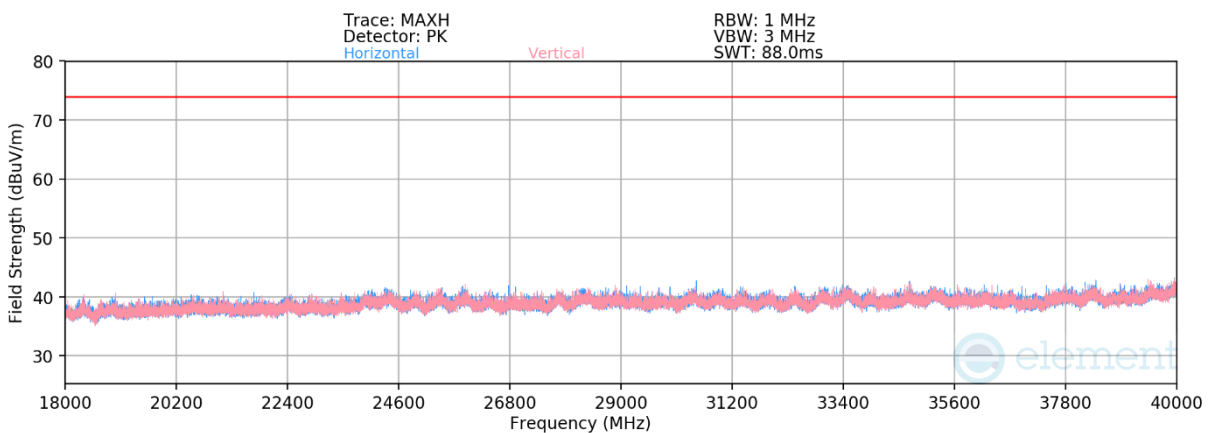
Table 7-100. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 132 of 249

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Plot 7-91. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 116)



Plot 7-92. Radiated Spurious Emissions above 18GHz CDD Primary (802.11n – Ch. 116)

Mode:	802.11n
Data Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	5580MHz
Channel:	116

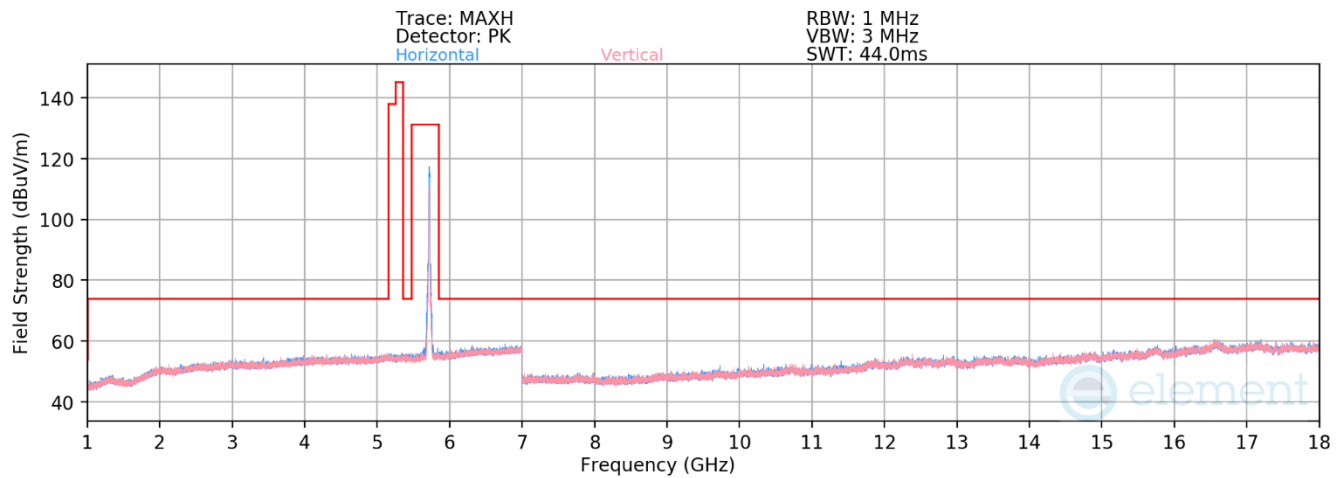
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11160.00	Average	H	-	-	-82.22	16.72	41.50	53.98	-12.48
*	11160.00	Peak	H	-	-	-70.02	15.92	52.91	73.98	-21.07
	16740.00	Peak	V	-	-	-71.60	23.80	59.20	68.23	-9.03

Table 7-101. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 133 of 249

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Plot 7-93. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 144)

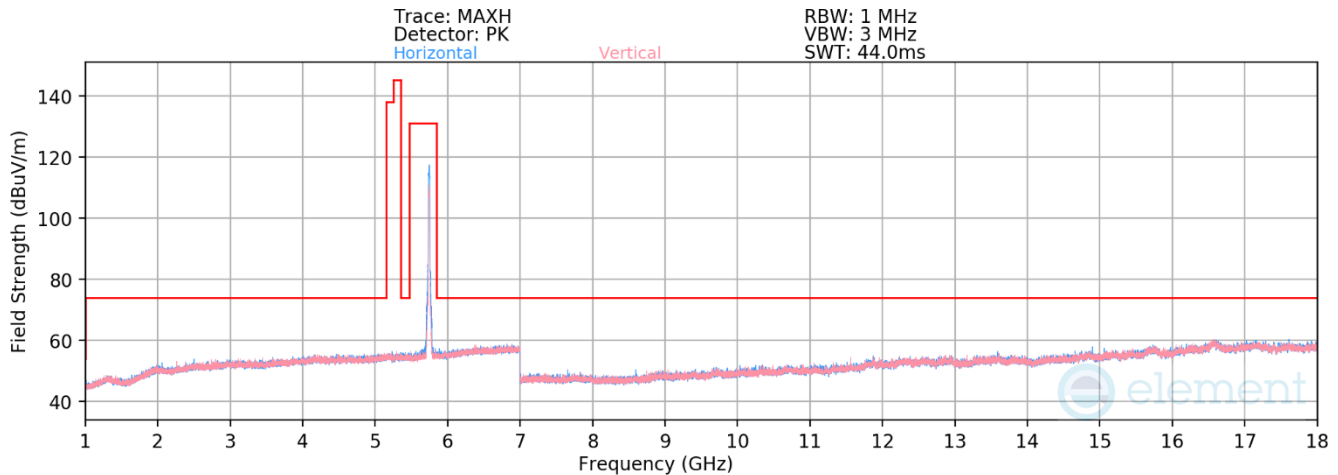
Mode: 802.11n
Data Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5720MHz
Channel: 144

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11440.00	Average	H	-	-	-82.20	16.34	41.14	53.98	-12.84
*	11440.00	Peak	H	-	-	-70.95	16.89	52.93	73.98	-21.05
	17160.00	Peak	V	-	-	-73.04	24.54	58.50	68.23	-9.73

Table 7-102. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 134 of 249

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Plot 7-94. Radiated Spurious Emissions above 1GHz CDD Primary (802.11n – Ch. 149)

Mode: 802.11n
Data Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5745MHz
Channel: 149

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11490.00	Average	H	-	-	-82.56	16.84	41.27	53.98	-12.71
*	11490.00	Peak	H	-	-	-70.30	16.70	53.41	73.98	-20.57
	17235.00	Peak	V	-	-	-72.19	23.64	58.44	68.23	-9.79

Table 7-103. Radiated Measurements CDD Primary

FCC ID: BCGA3355 IC: 579C-A3355	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210077-20.BCG	Test Dates: 10/25/2024 - 1/30/2025	EUT Type: Tablet Device	Page 135 of 249

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