

MEASUREMENT REPORT

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

Applicant Name:

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

Date of Testing:

05/12/2025 - 08/13/2025

Test Report Issue Date:

9/3/2025

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2504170039-22-R1.BCG

FCC ID:

BCGA3358

IC:

579C-A3358

APPLICANT:

Apple Inc.

Application Type:

Certification

Model/HVIN:

A3358, A3359

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)

ISSED 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.

This revised Test Report (S/N: 1C2504170039-22-R1.BCG) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose accordingly.

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: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 1 of 255

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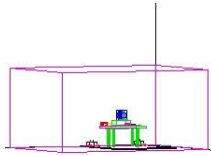
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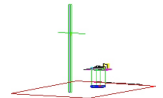
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MEASUREMENT REPORT



UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO						CDD/SDM Primary		CDD/SDM Diversity	
				Antenna WF5B		Antenna 4a		Antenna 2a		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	70.795	18.50	88.920	19.49	69.984	18.45	131.522	21.19	133.968	21.27
2A		802.11a/n	5260 - 5320	69.984	18.45	89.125	19.50	70.469	18.48	128.825	21.10	129.420	21.12
2C		802.11a/n	5500 - 5720	70.632	18.49	89.125	19.50	70.632	18.49	129.718	21.13	130.617	21.16
3		802.11a/n	5745 - 5825	70.632	18.49	89.125	19.50	70.307	18.47	138.995	21.43	140.929	21.49
1	40	802.11n	5190 - 5230	68.865	18.38	87.297	19.41	67.143	18.27	139.316	21.44	136.144	21.34
2A		802.11n	5270 - 5310	68.549	18.36	86.298	19.36	69.343	18.41	136.144	21.34	137.088	21.37
2C		802.11n	5510 - 5710	70.469	18.48	88.308	19.46	69.024	18.39	138.038	21.40	138.038	21.40
3		802.11n	5755 - 5795	69.663	18.43	88.716	19.48	67.920	18.32	138.995	21.43	138.676	21.42
1	80	802.11ac	5210	25.468	14.06	26.669	14.26	26.730	14.27	46.559	16.68	46.559	16.68
2A		802.11ac	5290	32.810	15.16	36.475	15.62	32.434	15.11	64.269	18.08	64.121	18.07
2C		802.11ac	5530 - 5690	67.298	18.28	88.920	19.49	69.984	18.45	138.038	21.40	140.605	21.48
3		802.11ac	5775	65.013	18.13	88.512	19.47	69.183	18.40	118.304	20.73	121.899	20.86
1	20	802.11be (SU)	5180 - 5240	69.502	18.42	88.716	19.48	70.632	18.49	136.458	21.35	133.968	21.27
2A		802.11be (SU)	5260 - 5320	70.146	18.46	88.716	19.48	70.632	18.49	136.458	21.35	137.721	21.39
2C		802.11be (SU)	5500 - 5720	70.469	18.48	88.716	19.48	69.984	18.45	135.831	21.33	135.519	21.32
3		802.11be (SU)	5745 - 5825	69.823	18.44	86.298	19.36	70.469	18.48	140.929	21.49	138.357	21.41
1	40	802.11be (SU)	5190 - 5230	68.707	18.37	88.716	19.48	67.608	18.30	138.676	21.42	137.404	21.38
2A		802.11be (SU)	5270 - 5310	66.374	18.22	82.224	19.15	67.764	18.31	138.995	21.43	136.773	21.36
2C		802.11be (SU)	5510 - 5710	67.608	18.30	88.512	19.47	70.469	18.48	138.357	21.41	138.357	21.41
3		802.11be (SU)	5755 - 5795	70.632	18.49	88.716	19.48	69.502	18.42	141.254	21.50	140.605	21.48
1	80	802.11be (SU)	5210	24.889	13.96	26.485	14.23	25.003	13.98	44.566	16.49	44.771	16.51
2A		802.11be (SU)	5290	32.285	15.09	37.411	15.73	33.651	15.27	54.200	17.34	54.576	17.37
2C		802.11be (SU)	5530 - 5690	68.865	18.38	86.696	19.38	70.307	18.47	139.316	21.44	138.357	21.41
3		802.11be (SU)	5775	59.020	17.71	87.096	19.40	62.806	17.98	110.917	20.45	109.144	20.38
1	160	802.11ac	5250	18.707	12.72	18.967	12.78	19.143	12.82	33.651	15.27	34.198	15.34
2C		802.11ac	5570	19.454	12.89	22.080	13.44	19.543	12.91	34.356	15.36	34.356	15.36
1	160	802.11be (SU)	5250	18.836	12.75	18.750	12.73	19.099	12.81	33.574	15.26	33.729	15.28
2C		802.11be (SU)	5570	19.588	12.92	21.928	13.41	19.187	12.83	34.995	15.44	34.435	15.37

FCC EUT Overview

UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO						CDD/SDM Primary		CDD/SDM Diversity	
				Antenna WF5B		Antenna 4a		Antenna 2a		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	49.431	16.94	89.125	19.50	48.753	16.88	68.707	18.37	67.920	18.32
2A		802.11a/n	5260 - 5320	69.984	18.45	89.125	19.50	70.469	18.48	128.825	21.10	129.420	21.12
2C		802.11a/n	5500 - 5720	70.632	18.49	89.125	19.50	70.632	18.49	129.718	21.13	130.617	21.16
3		802.11a/n	5745 - 5825	70.632	18.49	89.125	19.50	70.307	18.47	138.995	21.43	140.929	21.49
1	40	802.11n	5190 - 5230	68.865	18.38	87.297	19.41	67.143	18.27	100.925	20.04	100.231	20.01
2A		802.11n	5270 - 5310	68.549	18.36	86.298	19.36	69.343	18.41	136.144	21.34	137.088	21.37
2C		802.11n	5510 - 5710	69.984	18.45	88.308	19.46	68.077	18.33	138.038	21.40	138.038	21.40
3		802.11n	5755 - 5795	69.663	18.43	88.716	19.48	67.920	18.32	138.995	21.43	138.676	21.42
1	80	802.11ac	5210	25.468	14.06	25.763	14.11	26.730	14.27	46.666	16.69	46.774	16.70
2A		802.11ac	5290	32.810	15.16	36.475	15.62	32.434	15.11	64.269	18.08	64.121	18.07
2C		802.11ac	5530 - 5690	67.298	18.28	84.333	19.26	69.984	18.45	138.038	21.40	140.605	21.48
3		802.11ac	5775	65.013	18.13	88.512	19.47	69.183	18.40	118.304	20.73	121.899	20.86
1	20	802.11be (SU)	5180 - 5240	50.234	17.01	88.920	19.49	50.816	17.06	71.121	18.52	71.285	18.53
2A		802.11be (SU)	5260 - 5320	70.146	18.46	88.716	19.48	70.632	18.49	136.458	21.35	137.721	21.39
2C		802.11be (SU)	5500 - 5720	70.469	18.48	88.716	19.48	69.984	18.45	135.831	21.33	135.519	21.32
3		802.11be (SU)	5745 - 5825	69.823	18.44	86.298	19.36	70.469	18.48	140.929	21.49	138.357	21.41
1	40	802.11be (SU)	5190 - 5230	68.707	18.37	88.716	19.48	67.608	18.30	101.859	20.08	100.462	20.02
2A		802.11be (SU)	5270 - 5310	66.374	18.22	82.224	19.15	67.764	18.31	138.995	21.43	136.773	21.36
2C		802.11be (SU)	5510 - 5710	67.608	18.30	88.512	19.47	68.865	18.38	138.357	21.41	137.404	21.38
3		802.11be (SU)	5755 - 5795	70.632	18.49	88.716	19.48	69.502	18.42	141.254	21.50	140.605	21.48
1	80	802.11be (SU)	5210	24.889	13.96	26.485	14.23	25.003	13.98	46.881	16.71	45.604	16.59
2A		802.11be (SU)	5290	32.285	15.09	37.411	15.73	33.651	15.27	54.200	17.34	54.576	17.37
2C		802.11be (SU)	5530 - 5690	68.865	18.38	86.298	19.36	68.865	18.38	139.316	21.44	137.404	21.38
3		802.11be (SU)	5775	59.020	17.71	87.096	19.40	62.806	17.98	110.917	20.45	109.144	20.38
1	160	802.11ac	5250	19.770	12.96	19.454	12.89	19.634	12.93	33.884	15.30	33.884	15.30
1	160	802.11be (SU)	5250	18.836	12.75	18.750	12.73	19.099	12.81	33.574	15.26	33.729	15.28

ISED EUT Overview

FCC ID: BCGA3358 IC: 579C-A3358		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: BCGA3358** and **IC: 579C-A3358**. The test data contained in this report pertains only to the emissions due to the EUT's UNII 802.11a/n/ac/ax(SU)/be(SU) transmitter.

Test Device Serial No.: KX6MJQJFF, Y2VHP6TKXW, J3YQD407KJ, H9HHEN0003H0000X4E, H9HHEL0009D0000X4D

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/be WLAN, 802.11a/n/ac/ax/be UNII (5GHz and 6GHz), 802.15.4, Bluetooth (1x, EDR, LE, HDR, HDT), Narrowband (NB) UNII (5GHz and 6GHz), WPT

This device supports BT Beamforming

This device supports channel puncturing and channel bandwidth reduction.

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

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

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

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

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

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

Band 1		Band 2A		Band 2C	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
50	5250	50	5250	114	5570

Table 2-4. 802.11ac/ax/be (160MHz 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, 80MHz, and 160MHz 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:

802.11 Mode/Band	Duty Cycle [%]									
	Antenna WF5B		Antenna 4a		Antenna 2a		CDD/SDM Primary		CDD/SDM Diversity	
	Duty Cycle [%]	DCCF [dB]	Duty Cycle [%]	DCCF [dB]	Duty Cycle [%]	DCCF [dB]	Duty Cycle [%]	DCCF [dB]	Duty Cycle [%]	DCCF [dB]
a (Low Data Rate)	98.175	0.080	98.537	0.064	98.742	0.055	98.651	0.059	98.719	0.056
a (Mid Data Rate)	96.250	0.166	96.073	0.174	95.918	0.181	95.918	0.181	95.918	0.181
a (High Data Rate)	93.304	0.301	93.154	0.308	93.004	0.315	93.004	0.315	93.218	0.305
n (HT20) (Low Data Rate)	98.175	0.080	98.197	0.079	98.401	0.070	98.356	0.072	98.651	0.059
n (HT20) (Mid Data Rate)	94.907	0.227	95.060	0.220	95.192	0.214	95.104	0.218	94.886	0.228
n (HT20) (High Data Rate)	91.306	0.395	91.306	0.395	91.096	0.405	91.643	0.379	91.496	0.386
n (HT40) (Low Data Rate)	97.252	0.121	96.561	0.152	97.297	0.119	97.252	0.121	97.252	0.121
n (HT40) (Mid Data Rate)	90.866	0.416	91.453	0.388	91.411	0.390	91.012	0.409	91.285	0.396
n (HT40) (High Data Rate)	85.783	0.666	85.526	0.679	85.330	0.689	85.743	0.668	85.290	0.691
ac (VHT80) (Low Data Rate)	94.276	0.256	94.755	0.234	94.211	0.259	94.886	0.228	94.667	0.238
ac (VHT80) (Mid Data Rate)	85.408	0.685	85.448	0.683	84.957	0.708	84.996	0.706	85.448	0.683
ac (VHT80) (High Data Rate)	79.141	1.016	78.886	1.030	78.886	1.030	78.397	1.057	78.886	1.030
ac (VHT160) (Low Data Rate)	90.469	0.435	90.866	0.416	90.866	0.416	90.866	0.416	90.469	0.435
ac (VHT160) (Mid Data Rate)	78.542	1.049	78.469	1.053	78.217	1.067	78.886	1.030	78.469	1.053
ac (VHT160) (High Data Rate)	38.388	4.158	72.527	1.395	72.111	1.420	72.111	1.420	72.294	1.409
be(SU) (EHT20) (Low Data Rate)	98.469	0.067	98.062	0.085	98.017	0.087	98.243	0.077	98.469	0.067
be(SU) (EHT20) (Mid Data Rate)	94.276	0.256	94.493	0.246	94.602	0.241	94.602	0.241	94.276	0.256
be(SU) (EHT20) (High Data Rate)	90.949	0.412	90.866	0.416	90.678	0.425	90.803	0.419	90.803	0.419
be(SU) (EHT40) (Low Data Rate)	96.872	0.138	96.472	0.156	96.627	0.149	96.672	0.147	96.895	0.137
be(SU) (EHT40) (Mid Data Rate)	91.054	0.407	90.866	0.416	91.075	0.406	90.866	0.416	90.866	0.416
be(SU) (EHT40) (High Data Rate)	86.318	0.639	86.318	0.639	86.736	0.618	86.517	0.629	86.497	0.630
be(SU) (EHT80) (Low Data Rate)	94.016	0.268	94.037	0.267	94.384	0.251	94.211	0.259	94.037	0.267
be(SU) (EHT80) (Mid Data Rate)	86.238	0.643	86.199	0.645	86.199	0.645	86.199	0.645	86.238	0.643
be(SU) (EHT80) (High Data Rate)	81.790	0.873	81.846	0.870	81.208	0.904	81.846	0.870	80.984	0.916
be(SU) (EHT160) (Low Data Rate)	90.740	0.422	90.845	0.417	90.448	0.436	90.740	0.422	90.448	0.436
be(SU) (EHT160) (Mid Data Rate)	81.264	0.901	81.564	0.885	81.208	0.904	81.264	0.901	81.790	0.873
be(SU) (EHT160) (High Data Rate)	77.625	1.100	78.307	1.062	78.307	1.062	78.235	1.066	77.696	1.096

Table 2-4. Measured Duty Cycles

CDD/SDM Primary = Antenna WF5B + Antenna 4a

CDD/SDM Diversity = Antenna 4a + Antenna 2a

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

WiFi Configurations		SISO			CDD			SDM			STBC		
		Antenna WF5B	Antenna 4A	Antenna 2a	Antenna WF5B	Antenna 4A	Antenna 2a	Antenna WF5B	Antenna 4A	Antenna 2a	Antenna WF5B	Antenna 4A	Antenna 2a
5GHz	11a	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗
	11n (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11be(SU) (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11n (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11be(SU) (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ac (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11be(SU) (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ac (160MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11ax(SU) (160MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11be(SU) (160MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

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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/be)												
						20MHz		40MHz		80MHz		160MHz		20MHz			40MHz			80MHz			160MHz			
	0.8µs GI	0.4µs GI	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	0.8µs GI	1.6µs GI	3.2µs GI	0.8µs GI	1.6µs GI	3.2µs GI		
6	0	0	0	0	1	6.5	7.2	13.5	15	29.3	32.5	58.5	65	8.6	8.1	7.3	17.2	16.3	14.6	36	34	30.6	72.1	68.1	61.3	Low rate
9	1	1	1	1	1	13	14.4	27	30	58.5	65	117	130	17.2	16.3	14.6	34.4	32.5	29.3	72.1	68.1	61.3	144.1	136.1	122.5	
12	2	2	2	2	1	19.5	21.7	40.5	45	87.8	97.5	175.5	195	25.8	24.4	21.9	51.6	48.8	43.9	108.1	102.1	91.9	216.2	204.2	183.8	
18	3	3	3	3	1	26	28.9	54	60	117	130	234	260	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	122.5	288.2	272.2	245	Mid rate
24	4	4	4	4	1	39	43.3	81	90	175.5	195	351	390	51.6	48.8	43.9	103.2	97.5	87.8	216.2	204.2	183.8	432.4	408.3	367.5	
36	5	5	5	5	1	52	57.8	108	120	234	260	468	520	68.8	65	58.5	137.6	130	117	288.2	272.2	245	576.5	544.4	490	
48	6	6	6	6	1	58.5	65	121.5	135	263.3	292.5	526.5	585	77.4	73.1	65.8	154.9	146.3	131.6	324.3	306.3	275.6	648.5	612.5	551.3	High Rate
54	7	7	7	7	1	65	72.2	135	150	292.5	325	585	650	86	81.3	73.1	172.1	162.5	146.3	360.3	340.3	306.3	720.6	680.6	612.5	
-	-	8	8	8	1	-	-	162	180	351	390	702	780	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	367.5	864.7	816.7	735	
-	-	9	9	9	1	-	-	180	200	390	433.3	780	866.7	114.7	108.3	97.5	229.4	216.7	195	480.4	453.7	408.3	960.8	907.4	816.7	
-	-	-	10	10	1	-	-	-	-	-	-	-	-	129	121.9	109.7	258.1	243.8	219.4	540.4	510.4	459.4	1080.9	1020.8	918.8	
-	-	-	11	11	1	-	-	-	-	-	-	-	-	143.4	135.4	121.9	286.8	270.8	243.8	600.5	567.1	510.4	1201	1134.3	1020.8	
6	8	0	0	0	2	13	14.4	27	30	58.5	65	117	130	17.2	16.3	14.6	34.4	32.5	29.3	72.1	68.1	61.3	144.1	136.1	122.5	Low rate
9	9	1	1	1	2	26	28.9	54	60	117	130	234	260	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	122.5	288.2	272.2	245	
12	10	2	2	2	2	39	43.3	81	90	175.5	195	351	390	51.6	48.8	43.9	103.2	97.5	87.8	216.2	204.2	183.8	432.4	408.3	367.5	
18	11	3	3	3	2	52	57.8	108	120	234	260	468	520	68.8	65	58.5	137.6	130	117	288.2	272.2	245	576.5	544.4	490	Mid rate
24	12	4	4	4	2	78	86.7	162	180	351	390	702	780	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	367.5	864.7	816.7	735	
36	13	5	5	5	2	104	115.6	216	240	468	520	936	1040	137.6	130	117	275.3	260	234	576.5	544.4	490	1152.9	1088.9	980	
48	14	6	6	6	2	117	130	243	270	526.5	585	1053	1170	154.9	146.3	131.6	309.7	292.5	263.3	648.5	612.5	551.3	1297.1	1225	1102.5	High Rate
54	15	7	7	7	2	130	144.4	270	300	585	650	1170	1300	172.1	162.5	146.3	344.1	325	292.5	720.6	680.6	612.5	1441.2	1361.1	1225	
-	-	8	8	8	2	156	173.3	324	360	702	780	1404	1560	206.5	195	175.5	412.9	390	351	864.7	816.7	735	1729.4	1633.3	1470	
-	-	9	9	9	2	-	-	360	400	780	866.7	1560	1733.3	229.4	216.7	195	458.8	433.3	390	960.8	907.4	816.7	1921.6	1814.8	1633.3	
-	-	-	10	10	2	-	-	-	-	-	-	-	-	258.1	243.8	219.4	516.2	487.5	438.8	1080.9	1020.8	918.8	2161.8	2041.7	1837.5	
-	-	-	11	11	2	-	-	-	-	-	-	-	-	286.8	270.8	243.8	573.5	541.7	487.5	1201	1134.3	1020.8	2402	2268.5	2041.7	

Table 2-6. Supported Data Rates

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	Thread	WLAN	NB UNII	WIFI 5GHz	WIFI 6GHz	LTE / FR1 NR		
		BDR, EDR, LE HDR, HDT	802.15.4	802.11 b/g/n/ax/be	BDR, EDR, LE HDR, HDT	802.11 a/n/ac/ax/be	802.11 a/ax/be	LB	MB/HB	UHB
Ant 4a	Config 1	✓	✗	✗	✗	✓	✗	✗	✗	✗
Ant 4a	Config 2	✓	✗	✗	✗	✗	✓	✗	✗	✗
Ant 4a	Config 3	✗	✓	✗	✗	✓	✗	✗	✗	✗
Ant 4a	Config 4	✗	✓	✗	✗	✗	✓	✗	✗	✗
Ant 4a	Config 5	✗	✗	✓	✓	✗	✗	✗	✗	✗
Ant 4a	Config 6	✗	✗	✓	✗	✓	✗	✗	✗	✗
Ant 4a	Config 7	✗	✗	✓	✗	✗	✓	✗	✗	✗
Ant 2a	Config 8	✓	✗	✗	✗	✓	✗	✗	✗	✗
Ant 2a	Config 9	✓	✗	✗	✗	✗	✓	✗	✗	✗
Ant 2a	Config 10	✗	✓	✗	✗	✓	✗	✗	✗	✗
Ant 2a	Config 11	✗	✓	✗	✗	✗	✓	✗	✗	✗
Ant 2a	Config 12	✗	✗	✓	✓	✗	✗	✗	✗	✗
Ant 2a	Config 13	✗	✗	✓	✗	✓	✗	✗	✗	✗
Ant 2a	Config 14	✗	✗	✓	✗	✗	✓	✗	✗	✗

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.

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2.3 Antenna Description

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

Frequency [GHz]	Antenna Gain (dBi)		
	Antenna WF5B	Antenna 4a	Antenna 2a
5.150 – 5.250	3.4	-0.9	-1.1
5.250 – 5.350	3.3	-0.4	0.2
5.470 – 5.725	2.1	-0.1	0.7
5.725 – 5.850	0.6	0.1	0.1

Table 2-8. Highest Antenna Gain

2.4 Test Support Equipment

1	Apple MacBook Pro w/AC/DC Adapter	Model: A2141 Model: A2166	S/N: C02H604EQ05D S/N: C4H042705ZNP0M0WA6
2	Apple USB-C Cable	Model: Spartan	S/N: GXK1336018XKTR024
3	USB-C Cable w/ AC Adapter	Model: A2795 Model: A2305	S/N: DWH80115BK826GV19 S/N: C4H95160004PF4F4V
4	Apple Pencil	Model: A2538	S/N: KJ26TCFXJW
5	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, 7.4, 7.5, and 7.6 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 was reported.

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

802.11be-mode test data provided in this report covers 802.11ax as target powers are identical.

802.11n HT20/40, 11ax/be(SU) HE20/40/80/160 and 11ac VHT80/160 2TX CDD/SDM mode test data provided in this report covers 802.11n HT20/40, 11ax/be(SU) HE20/40/80/160 and 802.11ac VHT80/160 2TX STBC mode

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

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

For 802.11ax/be (OFDMA) test result, see separate UNII 802.11ax/be (OFDMA) report, 1C2504170039-23-R1.BCG.

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

Description	Bluetooth	UNII
Antenna	Antenna 4a	Antenna 4a
Channel	78	36
Operating Frequency (MHz)	2480	5180
Mode/Modulation	GFSK ePA	802.11n

Table 2-10. Worst Case Simultaneous Transmission Configuration

2.6 Software and Firmware

The test was conducted with firmware version 23A256 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	ML2496A	Power Meter	2/10/2025	Annual	2/10/2026	1306009
Anritsu	MA2411B	Pulse Power Sensor	2/10/2025	Annual	2/10/2026	1315051
Anritsu	MA2411B	Pulse Power Sensor	2/10/2025	Annual	2/10/2026	1339027
ATM	180-442-KF	20dB Nominal Gain Horn Antenna	3/24/2025	Annual	3/24/2026	T058601-02
ETS-Lindgren	3117	Double Ridged Guide Antenna (1-18 GHz)	9/25/2024	Annual	9/25/2025	00240109
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz RF Cable/Attenuator *	6/10/2025	Annual	6/10/2026	-
Keysight Technology	N9040B	UXA Signal Analyzer	9/5/2024	Annual	9/5/2025	MY61320121
Keysight Technology	N9030A	PXA Signal Analyzer	10/16/2024	Annual	10/16/2025	MY49430494
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/14/2024	Annual	8/14/2025	101648
Rohde & Schwarz	FSW43	Spectrum Analyzer 2Hz to 43GHz	11/21/2024	Annual	11/21/2025	104093
Rohde & Schwarz	ESW44	EMI Test Receiver	10/17/2024	Annual	10/17/2025	101668
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	9/20/2024	Annual	9/20/2025	102327
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	6/3/2025	Annual	6/3/2026	100052
Rohde & Schwarz	HFH2-Z2	Loop Antenna	5/12/2025	Annual	5/12/2026	100546
Rohde & Schwarz	ENV216	Two-Line V-Network	4/24/2025	Annual	4/24/2026	101364
Schwarzbeck	VULB 9162	Bilog Antenna (30MHz - 6GHz)	9/18/2024	Annual	9/18/2025	00358

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: BCGA3358
 IC: 579C-A3358
 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)	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)	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 (1C25041700 39-21.BCG)
15.407(b.1), (2), (3), (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), (2), (3), (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, 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 1.4.0.
- 5) For radiated testing, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Chamber Automation,” Version 3.4.2.

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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.

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

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7.2.1 Antenna WF5B 26dB & 99% Bandwidth Measurements

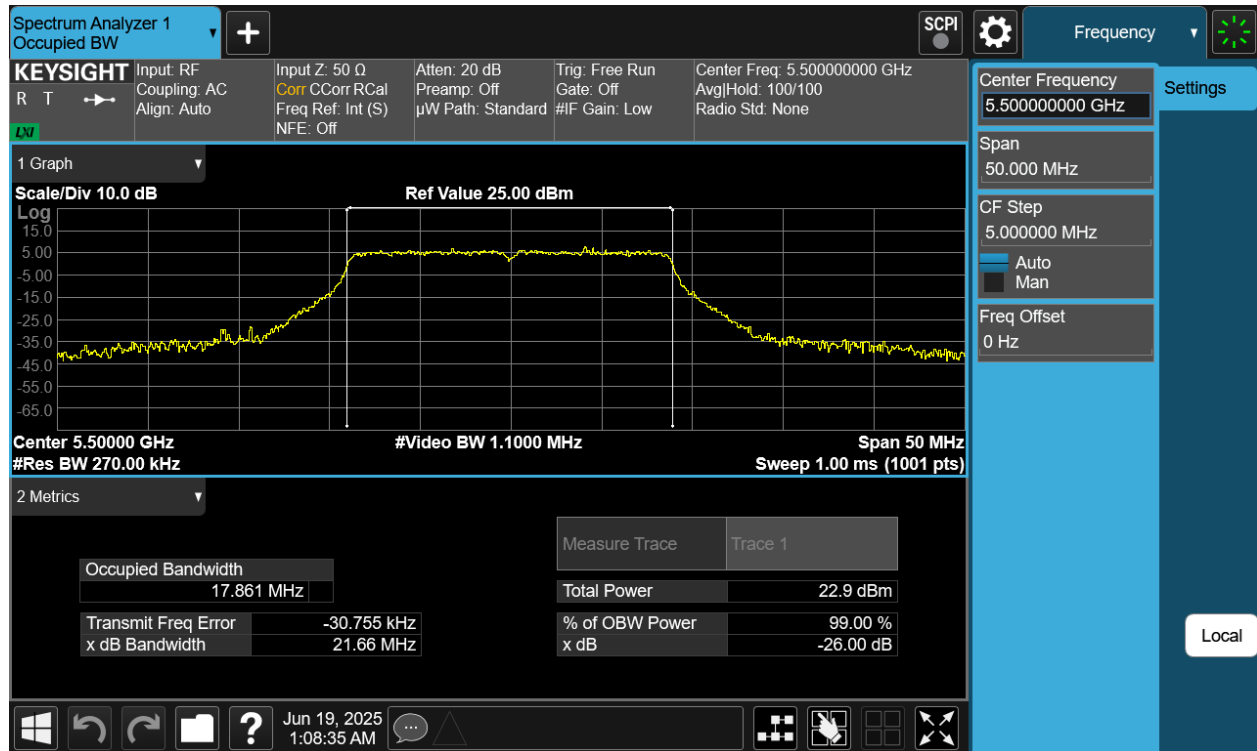
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	a	36Mbps	17.86	22.06
	5200	40	a	36Mbps	17.87	22.23
	5240	48	a	18Mbps	17.88	22.61
	5180	36	n (20MHz)	MCS5	17.86	21.98
	5200	40	n (20MHz)	MCS5	17.87	22.02
	5240	48	n (20MHz)	MCS5	17.91	21.94
	5180	36	be (SU) (20MHz)	MCS5	19.03	22.14
	5200	40	be (SU) (20MHz)	MCS5	19.11	22.79
	5240	48	be (SU) (20MHz)	MCS5	19.04	22.30
	5190	38	n (40MHz)	MCS3	36.60	43.40
	5230	46	n (40MHz)	MCS5	36.62	43.07
	5190	38	be (SU) (40MHz)	MCS5	38.09	43.36
	5230	46	be (SU) (40MHz)	MCS5	38.05	43.67
	5210	42	ac (80MHz)	MCS3	75.86	81.10
Band 1/2	5210	42	be (SU) (80MHz)	MCS0	77.58	82.44
	5250	50	ac (160MHz)	MCS5	154.90	163.00
Band 2A	5250	50	be (SU) (160MHz)	MCS0	156.45	164.33
	5260	52	a	36Mbps	17.88	22.11
	5300	60	a	36Mbps	17.88	22.04
	5320	64	a	36Mbps	17.88	22.04
	5260	52	n (20MHz)	MCS5	17.89	22.14
	5300	60	n (20MHz)	MCS5	17.89	22.09
	5320	64	n (20MHz)	MCS5	17.86	22.08
	5260	52	be (SU) (20MHz)	MCS5	19.06	22.32
	5300	60	be (SU) (20MHz)	MCS3	19.06	22.50
	5320	64	be (SU) (20MHz)	MCS3	19.04	22.58
	5270	54	n (40MHz)	MCS3	36.68	43.16
	5310	62	n (40MHz)	MCS5	36.59	43.40
	5270	54	be (SU) (40MHz)	MCS5	38.00	44.14
	5310	62	be (SU) (40MHz)	MCS3	38.01	43.60
	5290	58	ac (80MHz)	MCS3	75.91	81.17
	5290	58	be (SU) (80MHz)	MCS5	77.53	82.18
Band 2C	5500	100	a	36Mbps	17.86	21.98
	5580	116	a	36Mbps	17.89	22.47
	5720	144	a	36Mbps	17.87	22.41
	5500	100	n (20MHz)	MCS5	17.86	21.66
	5580	116	n (20MHz)	MCS3	17.87	22.28
	5720	144	n (20MHz)	MCS3	17.85	21.96
	5500	100	be (SU) (20MHz)	MCS5	19.06	22.28
	5580	116	be (SU) (20MHz)	MCS3	19.07	22.32
	5720	144	be (SU) (20MHz)	MCS5	19.08	22.56
	5510	102	n (40MHz)	MCS5	36.56	43.36
	5550	110	n (40MHz)	MCS5	36.57	43.68
	*5590	118	n (40MHz)	MCS5	36.66	43.44
	5710	142	n (40MHz)	MCS3	36.70	43.36
	5510	102	be (SU) (40MHz)	MCS0	38.05	43.92
	5550	110	be (SU) (40MHz)	MCS5	38.01	44.14
	5710	142	be (SU) (40MHz)	MCS5	38.02	44.25
	5530	106	ac (80MHz)	MCS5	75.87	81.09
	*5610	122	ac (80MHz)	MCS5	75.93	81.11
	5690	138	ac (80MHz)	MCS5	76.04	81.42
	5530	106	be (SU) (80MHz)	MCS0	77.50	82.37
	*5610	122	be (SU) (80MHz)	MCS5	77.56	82.06
	5690	138	be (SU) (80MHz)	MCS5	77.56	82.30
	*5570	114	ac (160MHz)	MCS0	154.62	162.91
	*5570	114	be (SU) (160MHz)	MCS3	156.32	163.93

Table 7-2. Conducted Bandwidth Measurements Antenna WF5B

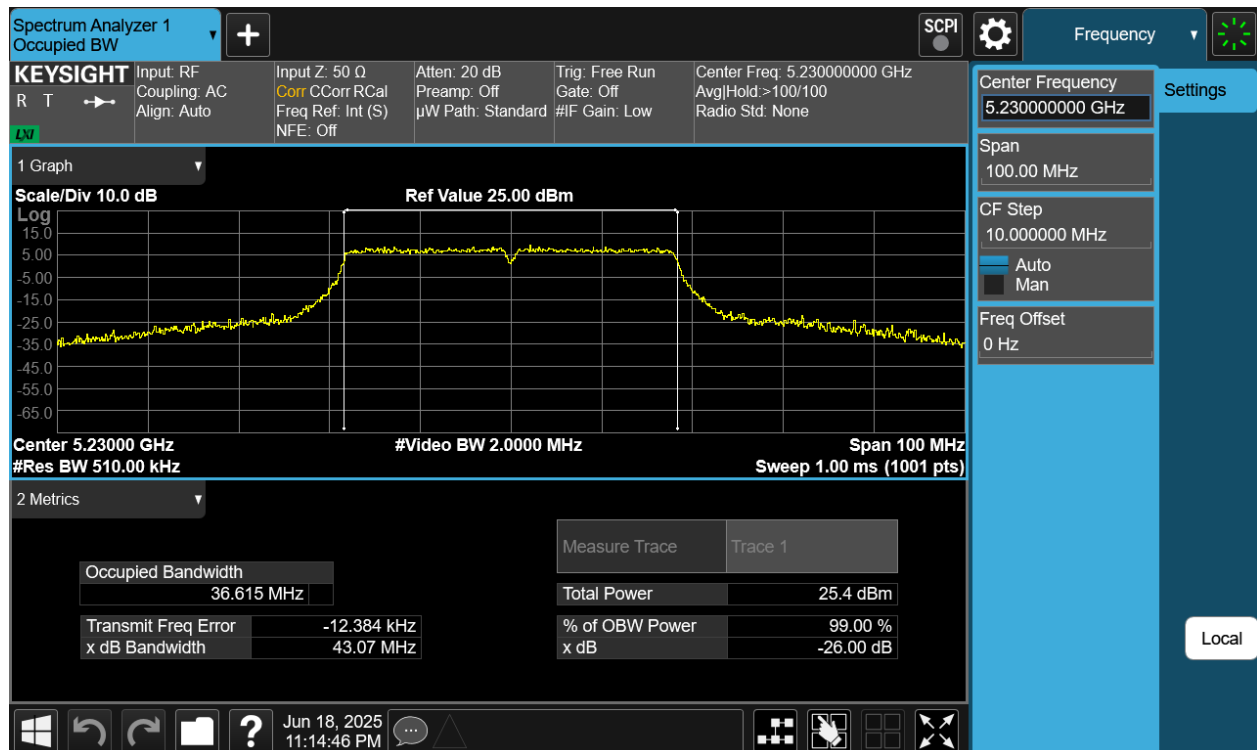
*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

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Plot 7-1 26dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11n - Ch.100)

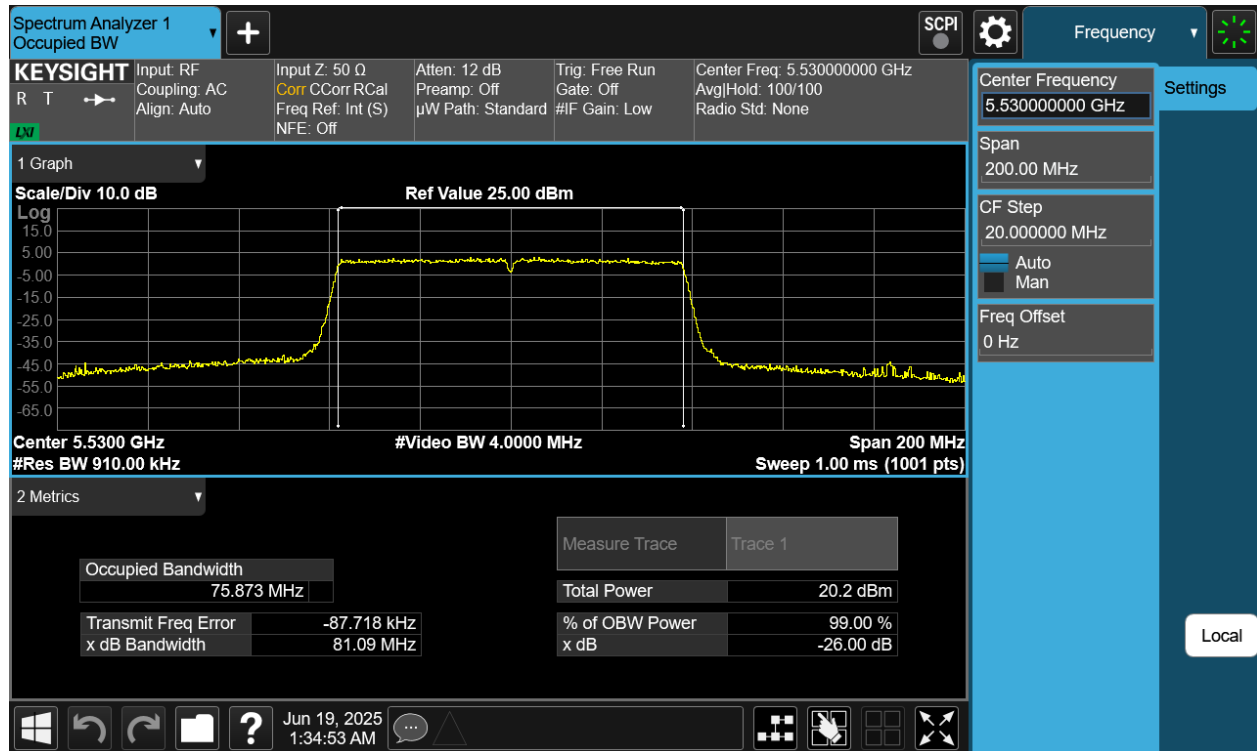


Plot 7-2 26dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11n - Ch.46)

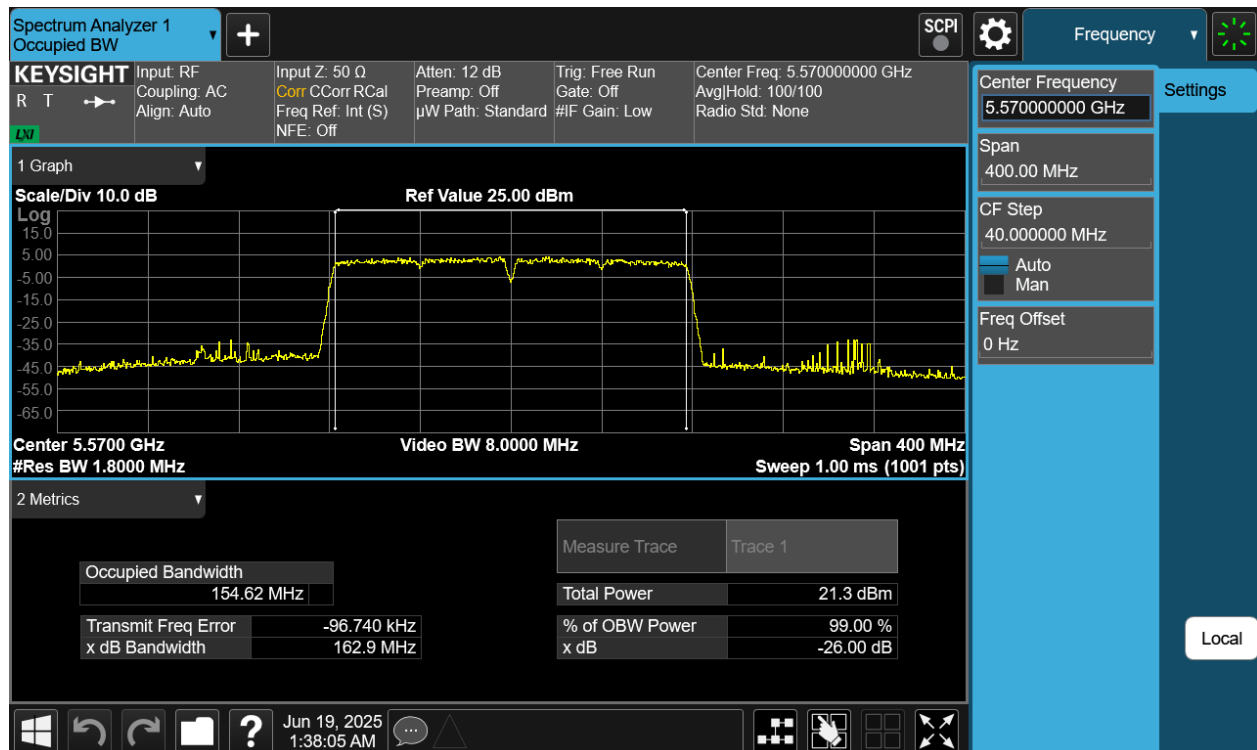
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-3 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11ac - Ch.106)



Plot 7-4 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11ac - Ch.114 FCC ONLY)

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7.2.2 Antenna 4a 26dB & 99% Bandwidth Measurements

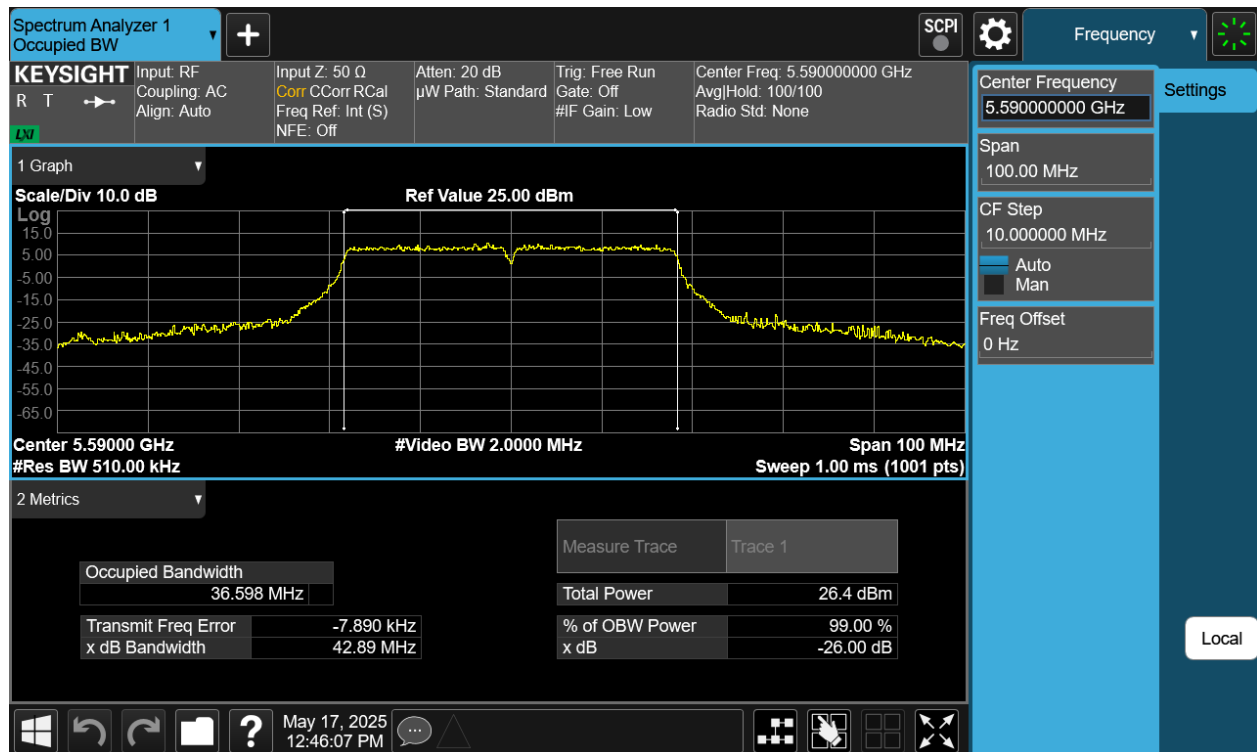
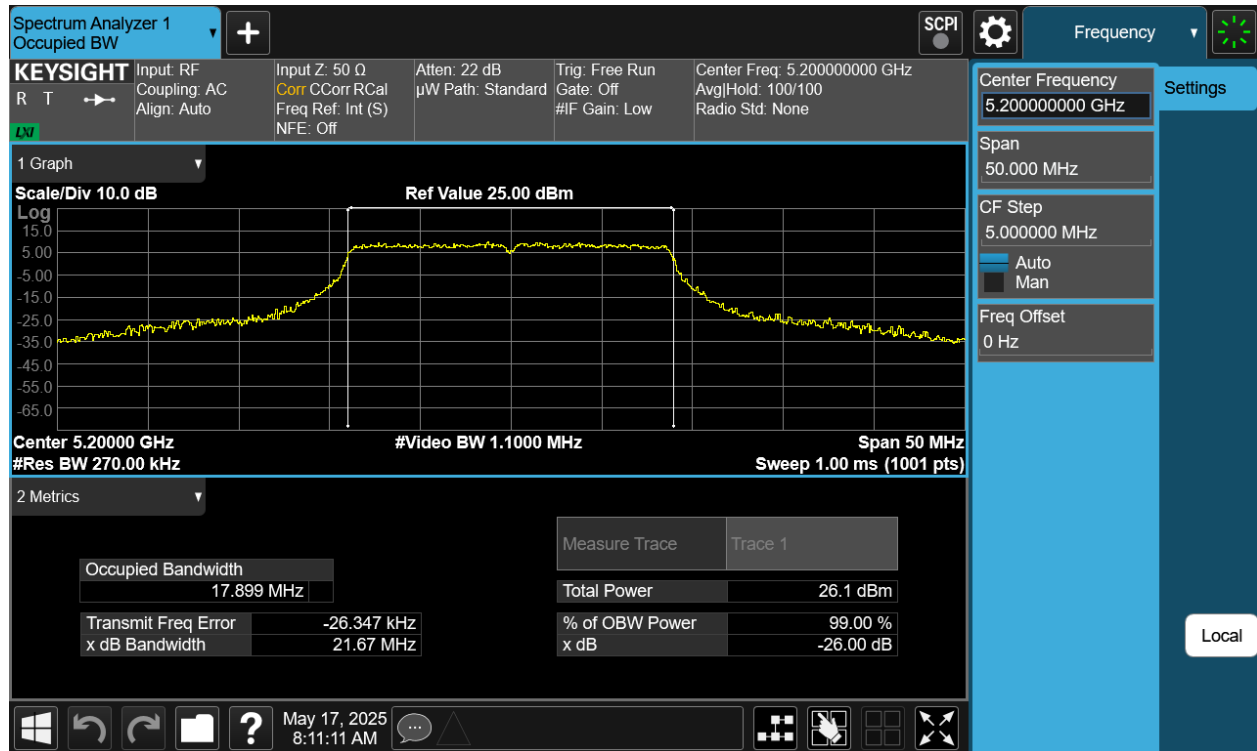
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	a	6Mbps	18.01	22.42
	5200	40	a	36Mbps	17.90	21.67
	5240	48	a	36Mbps	17.89	21.98
	5180	36	n (20MHz)	MCS3	17.88	21.92
	5200	40	n (20MHz)	MCS5	17.86	22.35
	5240	48	n (20MHz)	MCS5	17.86	21.79
	5180	36	be (SU) (20MHz)	MCS3	19.05	22.17
	5200	40	be (SU) (20MHz)	MCS5	19.05	22.38
	5240	48	be (SU) (20MHz)	MCS5	19.04	22.43
	5190	38	n (40MHz)	MCS5	36.65	43.42
	5230	46	n (40MHz)	MCS3	36.65	43.29
	5190	38	be (SU) (40MHz)	MCS5	38.04	43.69
	5230	46	be (SU) (40MHz)	MCS5	38.01	43.82
	5210	42	ac (80MHz)	MCS5	76.20	81.40
Band 1/2	5210	42	be (SU) (80MHz)	MCS5	77.50	82.43
	5250	50	ac (160MHz)	MCS0	158.67	310.47
Band 2A	5250	50	be (SU) (160MHz)	MCS5	156.71	164.80
	5260	52	a	36Mbps	17.86	22.01
	5300	60	a	36Mbps	17.87	21.89
	5320	64	a	36Mbps	17.88	22.12
	5260	52	n (20MHz)	MCS5	17.88	22.14
	5300	60	n (20MHz)	MCS3	17.85	21.97
	5320	64	n (20MHz)	MCS3	17.87	22.01
	5260	52	be (SU) (20MHz)	MCS3	19.06	22.46
	5300	60	be (SU) (20MHz)	MCS3	19.06	22.09
	5320	64	be (SU) (20MHz)	MCS3	19.05	22.34
	5270	54	n (40MHz)	MCS5	36.63	43.81
	5310	62	n (40MHz)	MCS3	36.62	43.65
	5270	54	be (SU) (40MHz)	MCS0	38.09	43.79
	5310	62	be (SU) (40MHz)	MCS5	38.07	43.61
	5290	58	ac (80MHz)	MCS5	76.10	81.07
	5290	58	be (SU) (80MHz)	MCS3	77.65	82.31
Band 2C	5500	100	a	36Mbps	17.88	21.86
	5580	116	a	36Mbps	17.85	22.28
	5720	144	a	36Mbps	17.87	22.11
	5500	100	n (20MHz)	MCS3	17.85	21.94
	5580	116	n (20MHz)	MCS3	17.91	22.04
	5720	144	n (20MHz)	MCS5	17.87	22.09
	5500	100	be (SU) (20MHz)	MCS5	19.02	22.29
	5580	116	be (SU) (20MHz)	MCS5	19.05	22.36
	5720	144	be (SU) (20MHz)	MCS3	19.08	22.10
	5510	102	n (40MHz)	MCS5	36.59	43.48
	5550	110	n (40MHz)	MCS3	36.64	43.16
	*5590	118	n (40MHz)	MCS5	36.60	42.89
	5710	142	n (40MHz)	MCS5	36.62	43.69
	5510	102	be (SU) (40MHz)	MCS5	38.05	43.55
	5550	110	be (SU) (40MHz)	MCS5	37.99	43.64
	5710	142	be (SU) (40MHz)	MCS5	38.02	43.66
	5530	106	ac (80MHz)	MCS5	76.03	80.90
	*5610	122	ac (80MHz)	MCS3	76.05	80.94
	5690	138	ac (80MHz)	MCS5	76.07	81.60
	5530	106	be (SU) (80MHz)	MCS3	77.64	82.37
	*5610	122	be (SU) (80MHz)	MCS5	77.53	82.51
	5690	138	be (SU) (80MHz)	MCS5	77.47	82.59
	*5570	114	ac (160MHz)	MCS0	158.08	308.59
	*5570	114	be (SU) (160MHz)	MCS5	156.54	164.92

Table 7-3. Conducted Bandwidth Measurements Antenna 4a

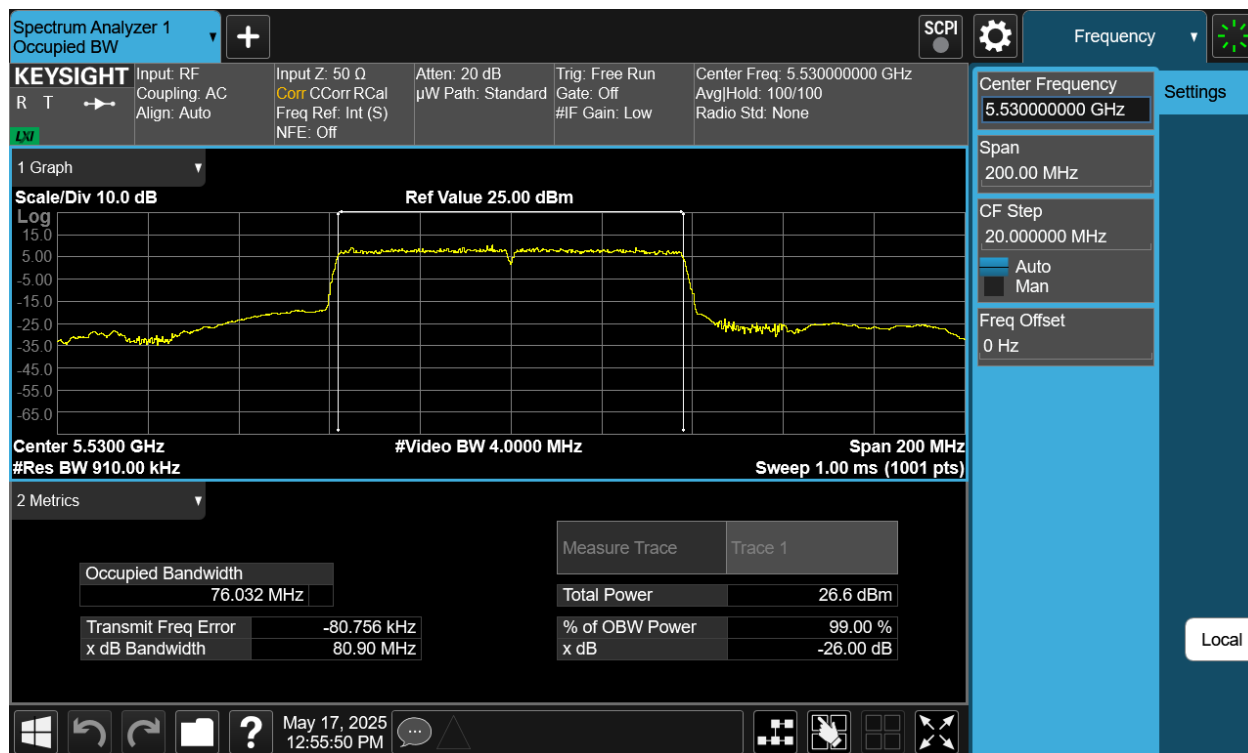
*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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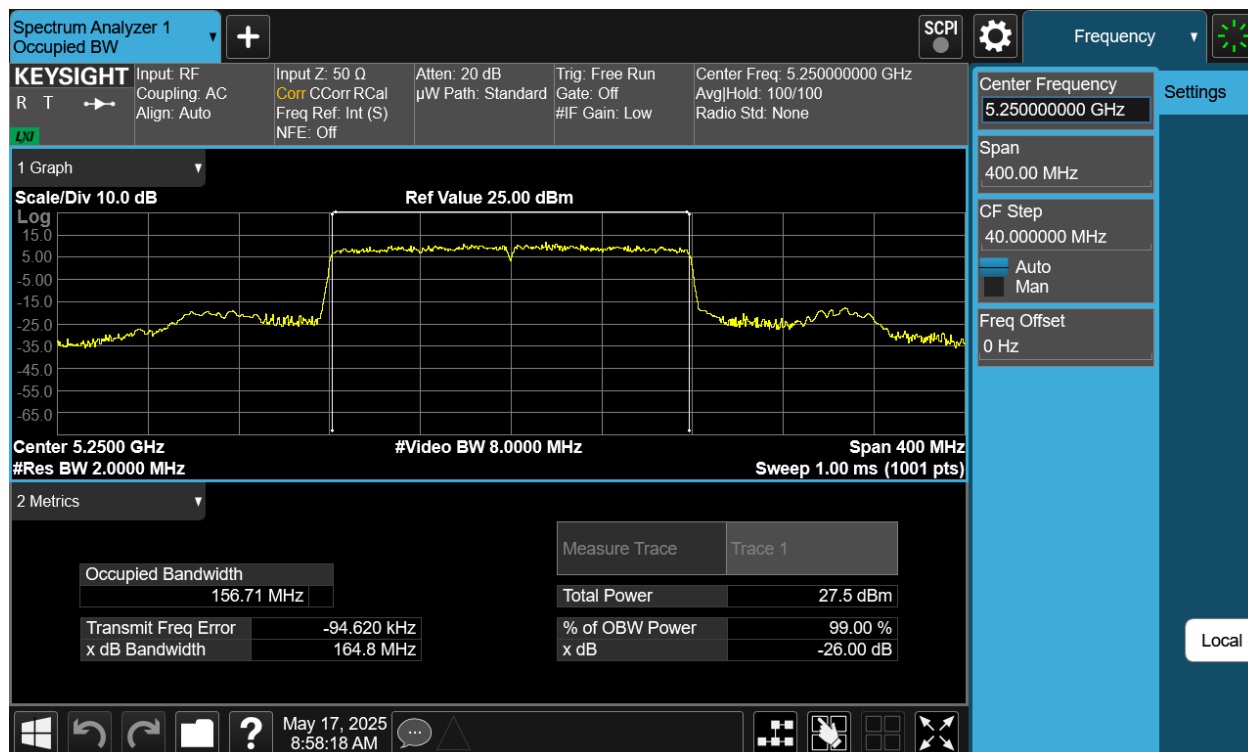
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Plot 7-7 26dB BW & 99% OBW Antenna 4a (80MHz BW 802.11ac - Ch.106)



Plot 7-8 26dB BW & 99% OBW Antenna 4a (160MHz BW 802.11be(SU) - Ch.50)

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7.2.3 Antenna 2a 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	a	36Mbps	17.85	22.39
	5200	40	a	18Mbps	17.87	22.14
	5240	48	a	36Mbps	17.92	22.82
	5180	36	n (20MHz)	MCS5	17.87	21.94
	5200	40	n (20MHz)	MCS5	17.87	22.09
	5240	48	n (20MHz)	MCS3	17.87	22.19
	5180	36	be (SU) (20MHz)	MCS5	19.06	22.50
	5200	40	be (SU) (20MHz)	MCS5	19.04	22.42
	5240	48	be (SU) (20MHz)	MCS5	19.06	22.47
	5190	38	n (40MHz)	MCS5	36.56	42.76
	5230	46	n (40MHz)	MCS3	36.66	43.25
	5190	38	be (SU) (40MHz)	MCS3	37.99	43.69
	5230	46	be (SU) (40MHz)	MCS5	38.08	43.48
	5210	42	ac (80MHz)	MCS5	75.90	81.29
Band 1/2	5210	42	be (SU) (80MHz)	MCS0	77.54	82.41
	5250	50	ac (160MHz)	MCS0	154.65	163.08
Band 2A	5250	50	be (SU) (160MHz)	MCS3	156.41	164.25
	5260	52	a	36Mbps	17.87	22.18
	5300	60	a	18Mbps	17.88	22.42
	5320	64	a	18Mbps	17.87	22.08
	5260	52	n (20MHz)	MCS3	17.87	22.04
	5300	60	n (20MHz)	MCS5	17.87	21.81
	5320	64	n (20MHz)	MCS3	17.87	21.91
	5260	52	be (SU) (20MHz)	MCS5	19.03	22.25
	5300	60	be (SU) (20MHz)	MCS3	19.05	22.38
	5320	64	be (SU) (20MHz)	MCS5	19.04	21.98
	5270	54	n (40MHz)	MCS5	36.68	43.26
	5310	62	n (40MHz)	MCS3	36.67	43.47
	5270	54	be (SU) (40MHz)	MCS5	38.06	44.39
	5310	62	be (SU) (40MHz)	MCS3	38.03	43.98
	5290	58	ac (80MHz)	MCS5	75.91	81.09
	5290	58	be (SU) (80MHz)	MCS3	77.47	82.26
Band 2C	5500	100	a	36Mbps	17.90	22.01
	5580	116	a	18Mbps	17.86	22.37
	5720	144	a	36Mbps	17.91	21.91
	5500	100	n (20MHz)	MCS3	17.87	21.49
	5580	116	n (20MHz)	MCS3	17.87	22.02
	5720	144	n (20MHz)	MCS3	17.85	21.84
	5500	100	be (SU) (20MHz)	MCS5	19.06	22.49
	5580	116	be (SU) (20MHz)	MCS3	19.07	22.56
	5720	144	be (SU) (20MHz)	MCS3	19.07	22.61
	5510	102	n (40MHz)	MCS5	36.59	43.30
	5550	110	n (40MHz)	MCS5	36.62	42.87
	5710	142	n (40MHz)	MCS3	36.67	43.10
	5510	102	be (SU) (40MHz)	MCS0	38.05	43.88
	5550	110	be (SU) (40MHz)	MCS5	38.04	43.74
	5710	142	be (SU) (40MHz)	MCS3	38.06	43.34
	5530	106	ac (80MHz)	MCS3	75.91	81.05
	*5610	122	ac (80MHz)	MCS5	75.96	81.06
	5690	138	ac (80MHz)	MCS5	75.96	81.26
	5530	106	be (SU) (80MHz)	MCS5	77.44	82.11
	*5610	122	be (SU) (80MHz)	MCS3	77.58	82.30
	5690	138	be (SU) (80MHz)	MCS5	77.64	82.62
	*5570	114	ac (160MHz)	MCS5	154.84	163.11
	*5570	114	be (SU) (160MHz)	MCS3	156.34	164.03

Table 7-4. Conducted Bandwidth Measurements Antenna 2a

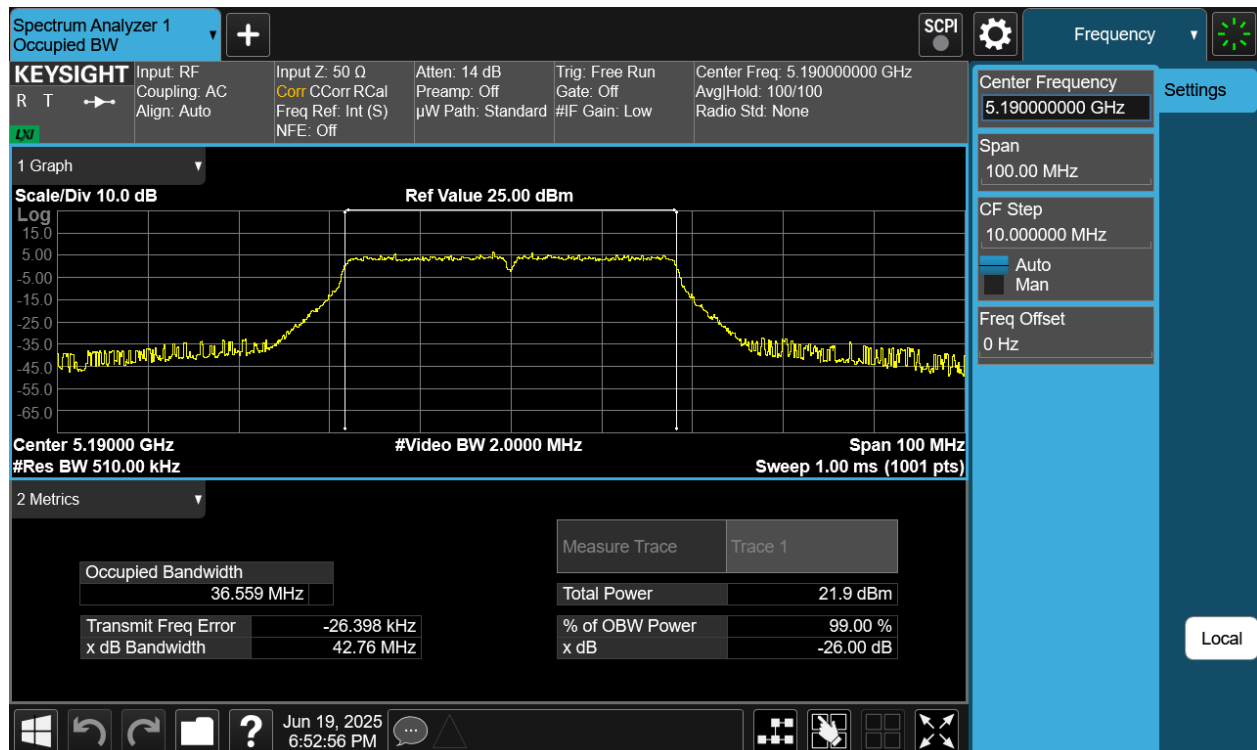
*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

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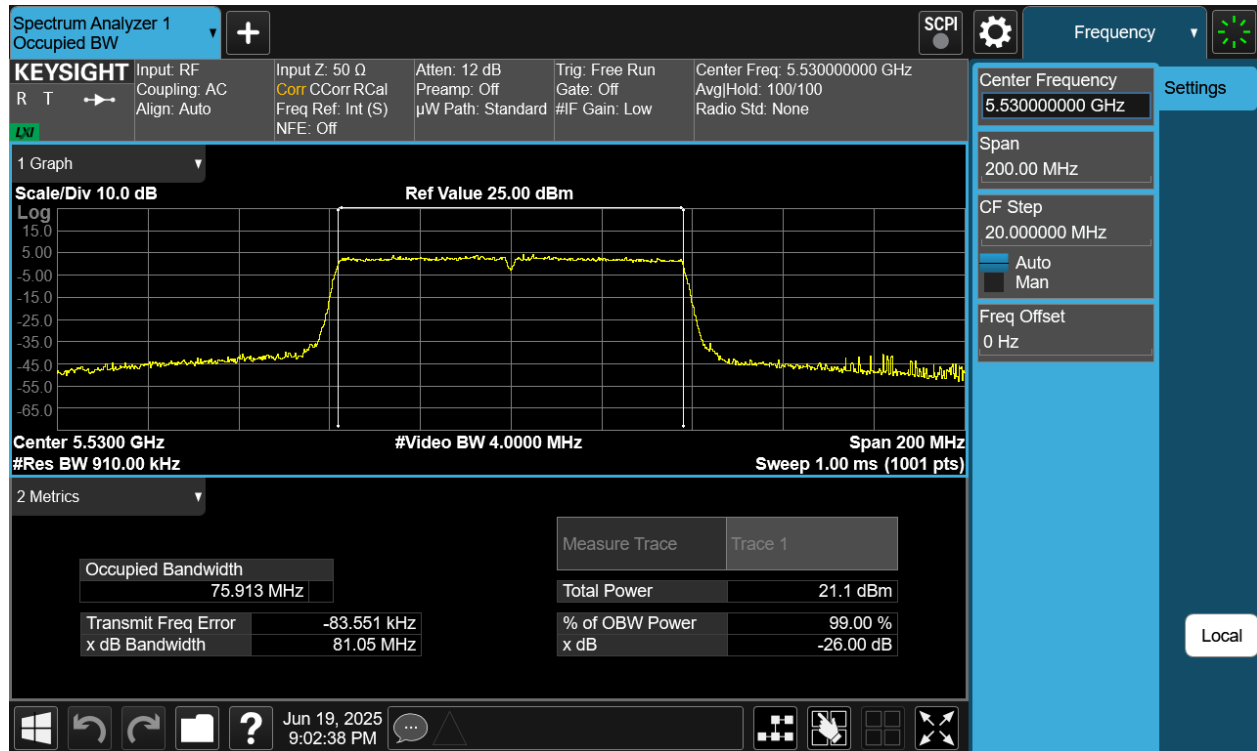


Plot 7-9 26dB BW & 99% OBW Antenna 2a (20MHz BW 802.11n - Ch.100)

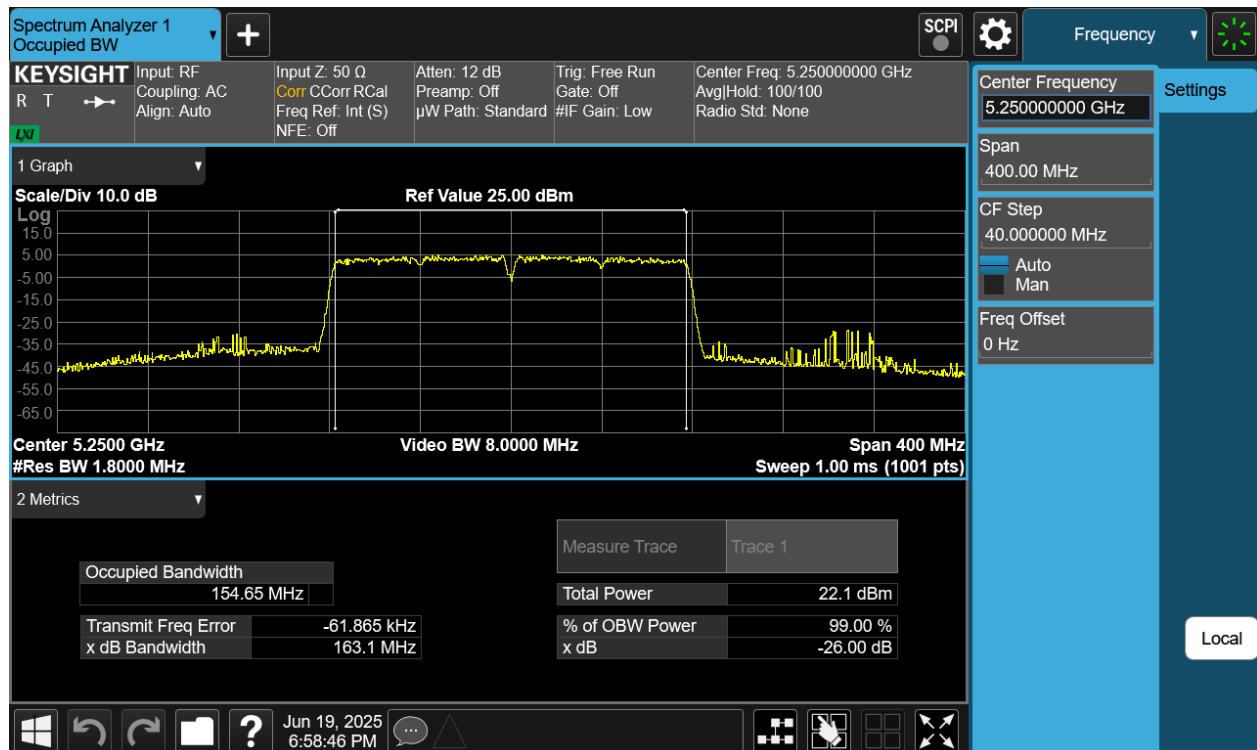


Plot 7-10 26dB BW & 99% OBW Antenna 2a (40MHz BW 802.11n - Ch.38)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-11 26dB BW & 99% OBW Antenna 2a (80MHz BW 802.11ac - Ch.106)



Plot 7-12 26dB BW & 99% OBW Antenna 2a (160MHz BW 802.11ac - Ch.50)

FCC ID: BCGA3358 IC: 579C-A3358		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 and channels (low, mid, and high) were investigated, and tabular data provided. Only worst-case plots for each bandwidth are reported.

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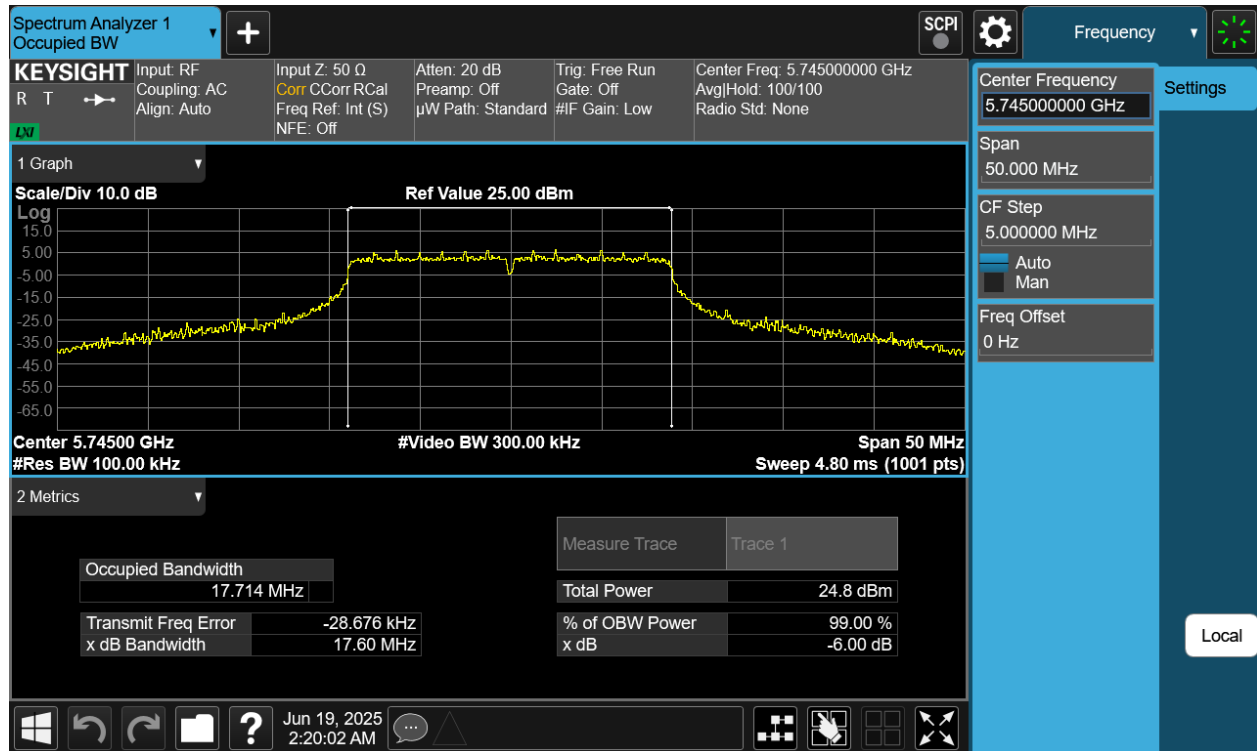
7.3.1 Antenna WF5B 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	a	6Mbps	17.71	17.60	0.50	Pass
	5785	157	a	6Mbps	17.71	17.60	0.50	Pass
	5825	165	a	6Mbps	17.69	17.61	0.50	Pass
	5745	149	n (20MHz)	MCS0	17.70	17.62	0.50	Pass
	5785	157	n (20MHz)	MCS0	17.71	17.61	0.50	Pass
	5825	165	n (20MHz)	MCS0	17.72	17.60	0.50	Pass
	5745	149	be (SU) (20MHz)	MCS0	18.95	19.04	0.50	Pass
	5785	157	be (SU) (20MHz)	MCS3	18.94	19.06	0.50	Pass
	5825	165	be (SU) (20MHz)	MCS0	18.95	18.99	0.50	Pass
	5755	151	n (40MHz)	MCS0	36.26	36.40	0.50	Pass
	5795	159	n (40MHz)	MCS0	36.26	36.42	0.50	Pass
	5755	151	be (SU) (40MHz)	MCS0	37.87	38.20	0.50	Pass
	5795	159	be (SU) (40MHz)	MCS0	37.85	38.19	0.50	Pass
	5775	155	ac (80MHz)	MCS0	75.74	76.48	0.50	Pass
	5775	155	be (SU) (80MHz)	MCS0	77.43	78.27	0.50	Pass

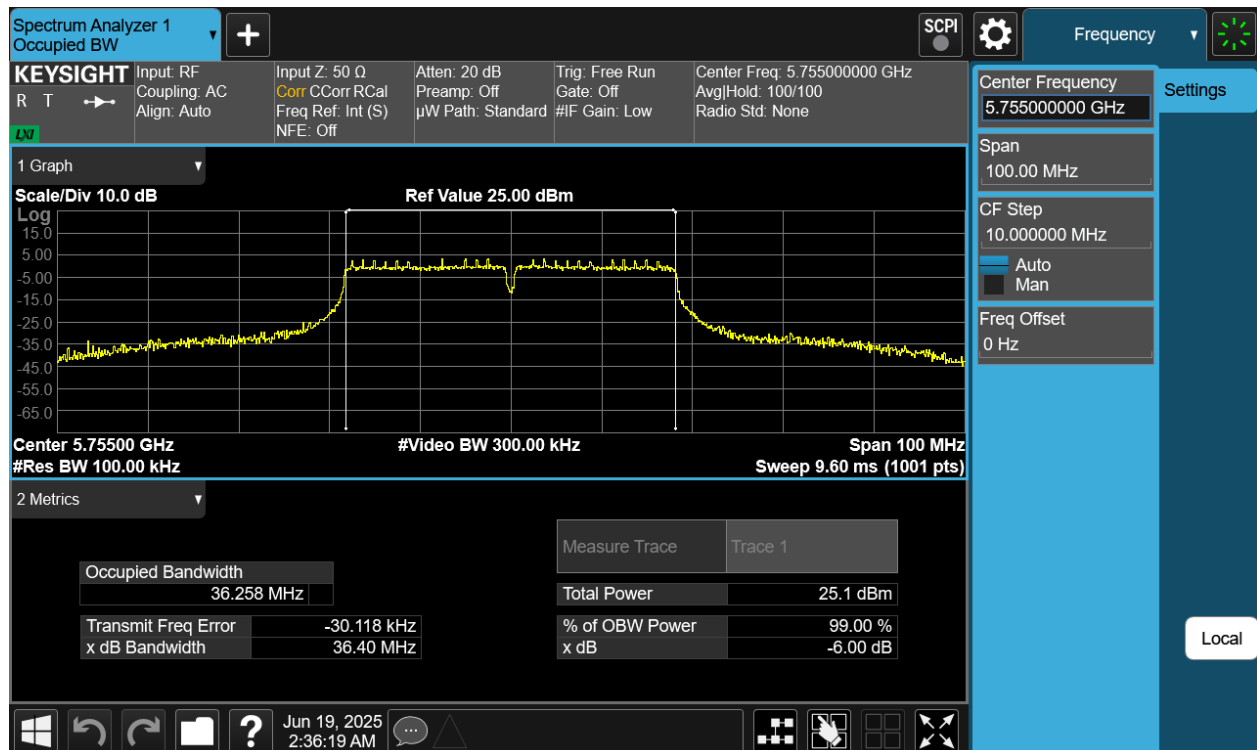
Table 7-5. Conducted Bandwidth Measurements Antenna WF5B

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-13 6dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11a - Ch.149)

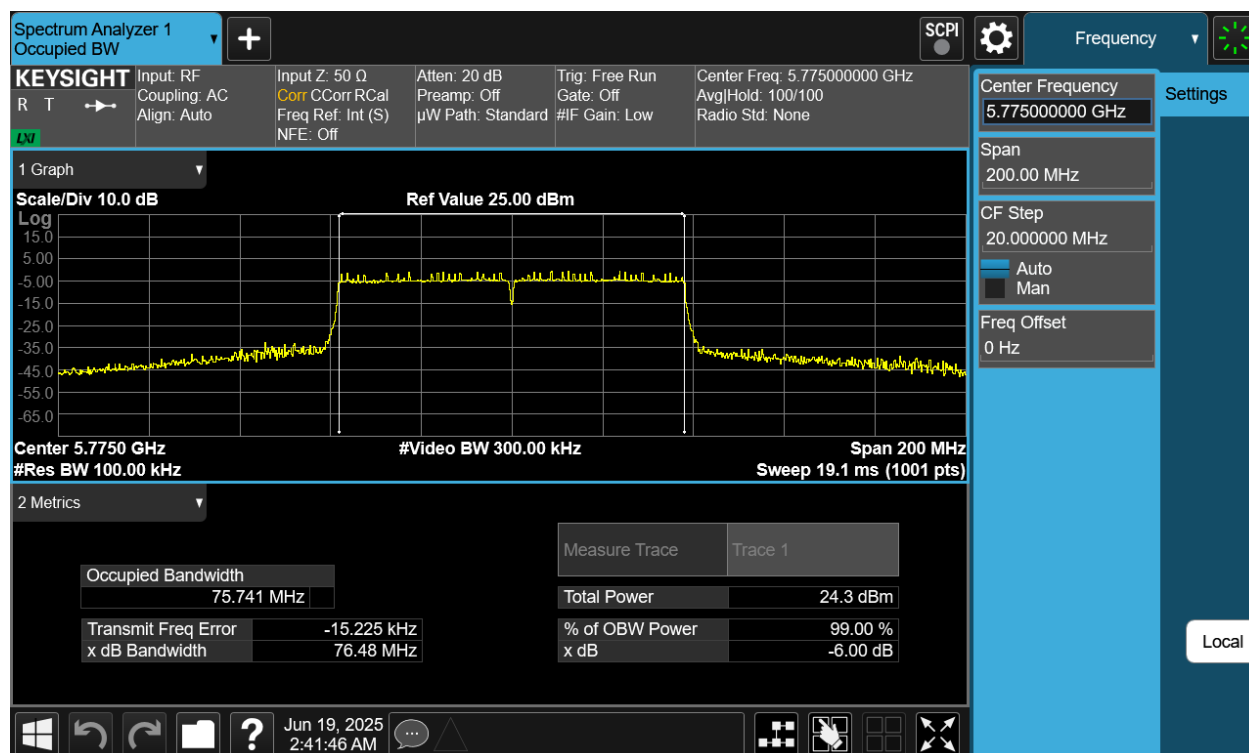


Plot 7-14 6dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11n - Ch.151)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-15 6dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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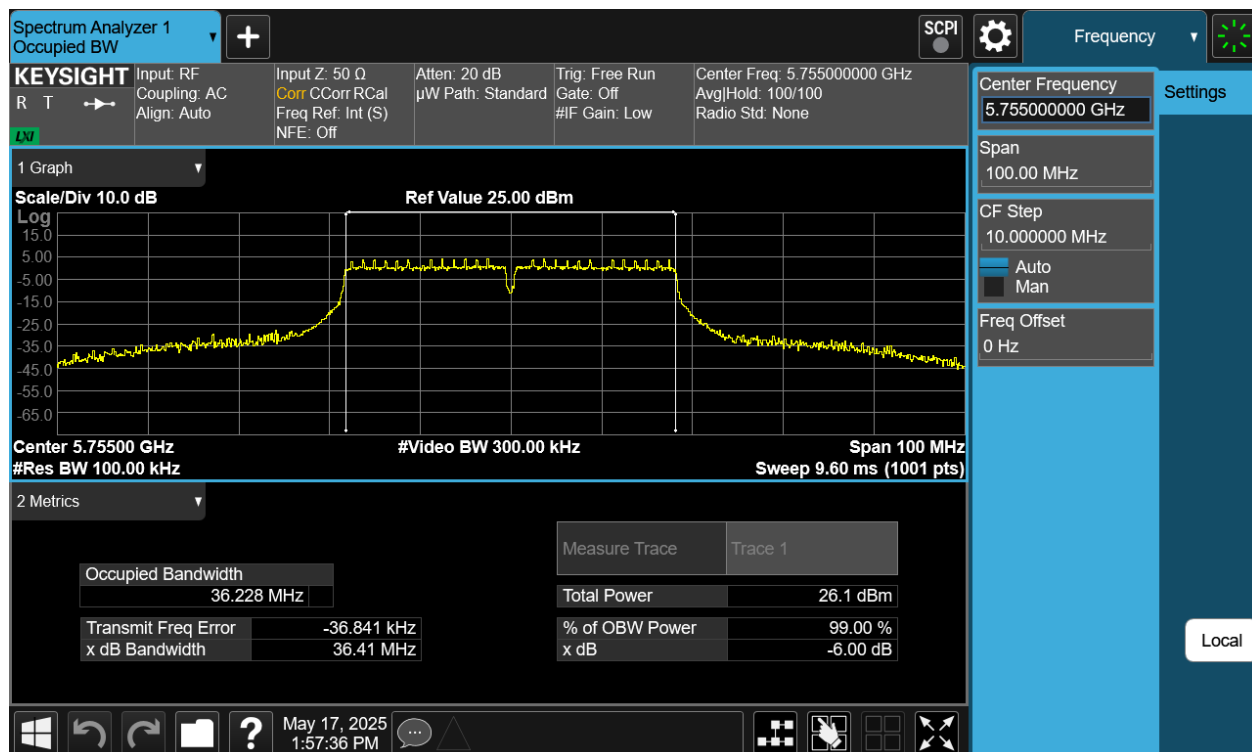
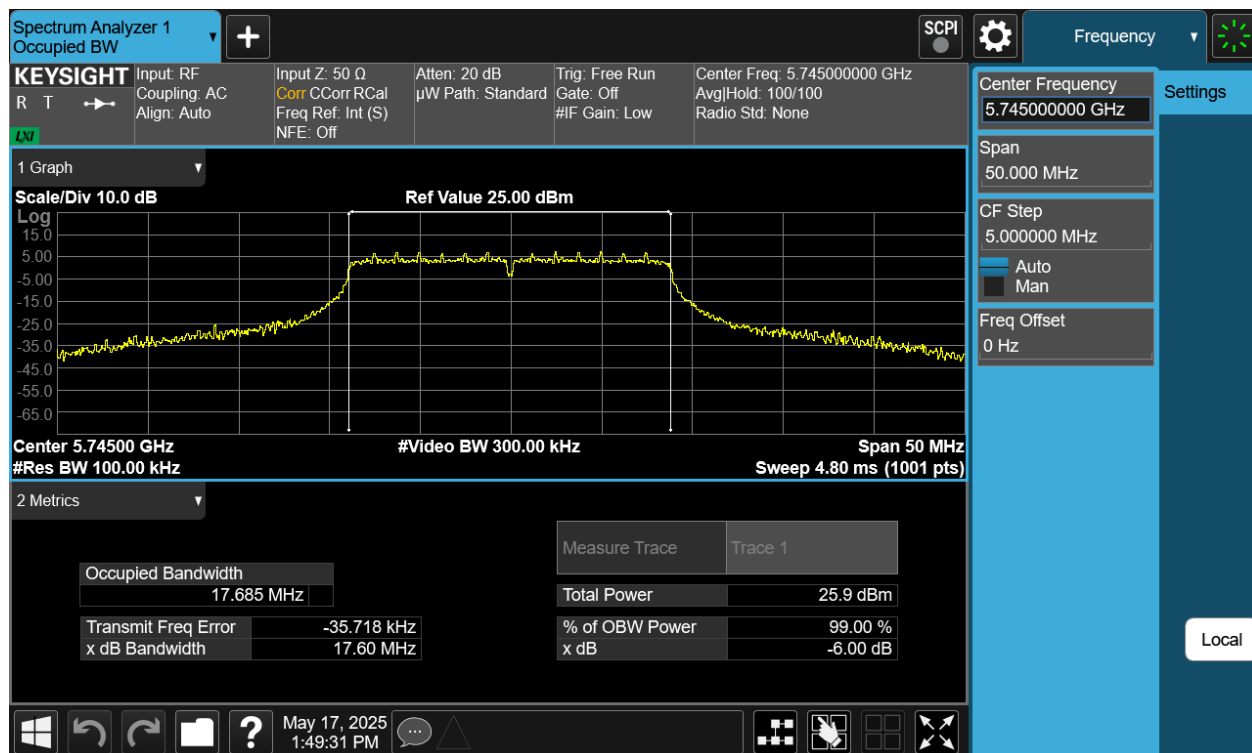
7.3.2 Antenna 4a 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	a	6Mbps	17.67	17.61	0.50	Pass
	5785	157	a	6Mbps	17.67	17.62	0.50	Pass
	5825	165	a	6Mbps	17.69	17.60	0.50	Pass
	5745	149	n (20MHz)	MCS0	17.68	17.60	0.50	Pass
	5785	157	n (20MHz)	MCS0	17.69	17.61	0.50	Pass
	5825	165	n (20MHz)	MCS0	17.70	17.61	0.50	Pass
	5745	149	be (SU) (20MHz)	MCS0	18.94	19.03	0.50	Pass
	5785	157	be (SU) (20MHz)	MCS0	18.94	19.04	0.50	Pass
	5825	165	be (SU) (20MHz)	MCS0	18.95	19.02	0.50	Pass
	5755	151	n (40MHz)	MCS0	36.23	36.41	0.50	Pass
	5795	159	n (40MHz)	MCS0	36.25	36.41	0.50	Pass
	5755	151	be (SU) (40MHz)	MCS0	37.86	38.19	0.50	Pass
	5795	159	be (SU) (40MHz)	MCS0	37.84	38.18	0.50	Pass
	5775	155	ac (80MHz)	MCS0	75.65	76.46	0.50	Pass
	5775	155	be (SU) (80MHz)	MCS5	77.25	78.17	0.50	Pass

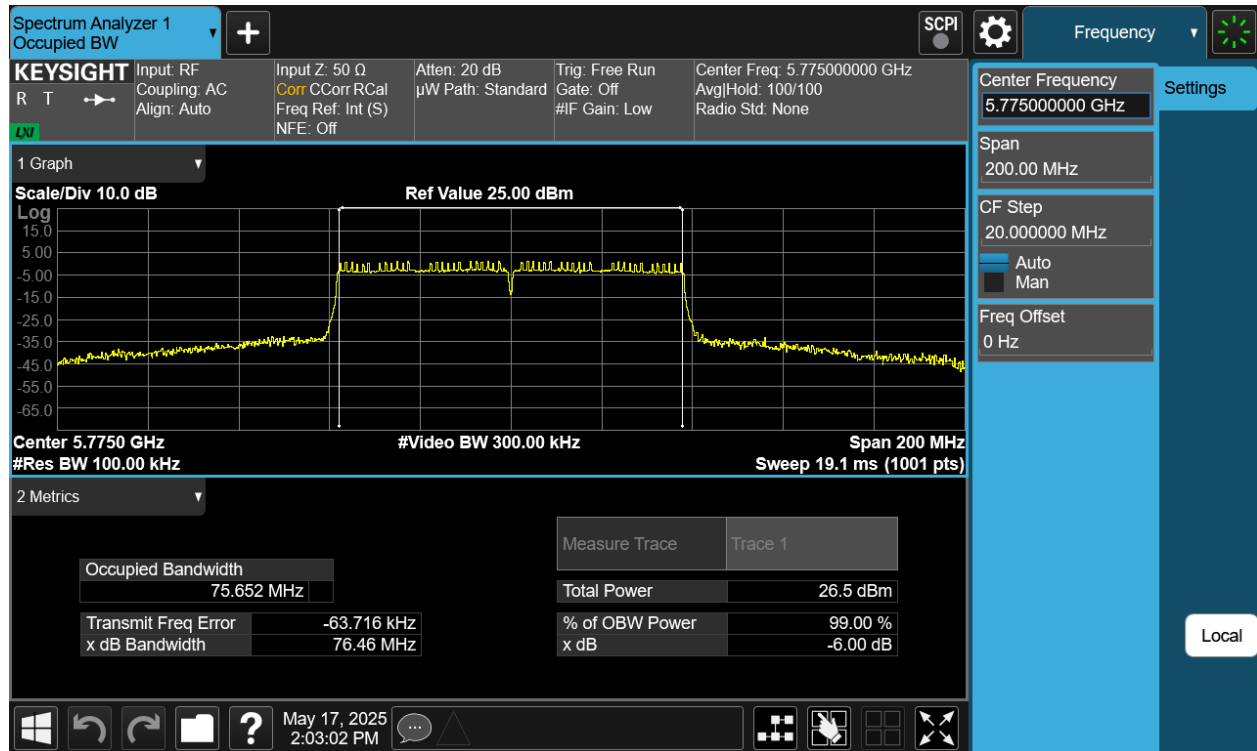
Table 7-6. Conducted Bandwidth Measurements Antenna 4a

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-18 6dB BW & 99% OBW Antenna 4a (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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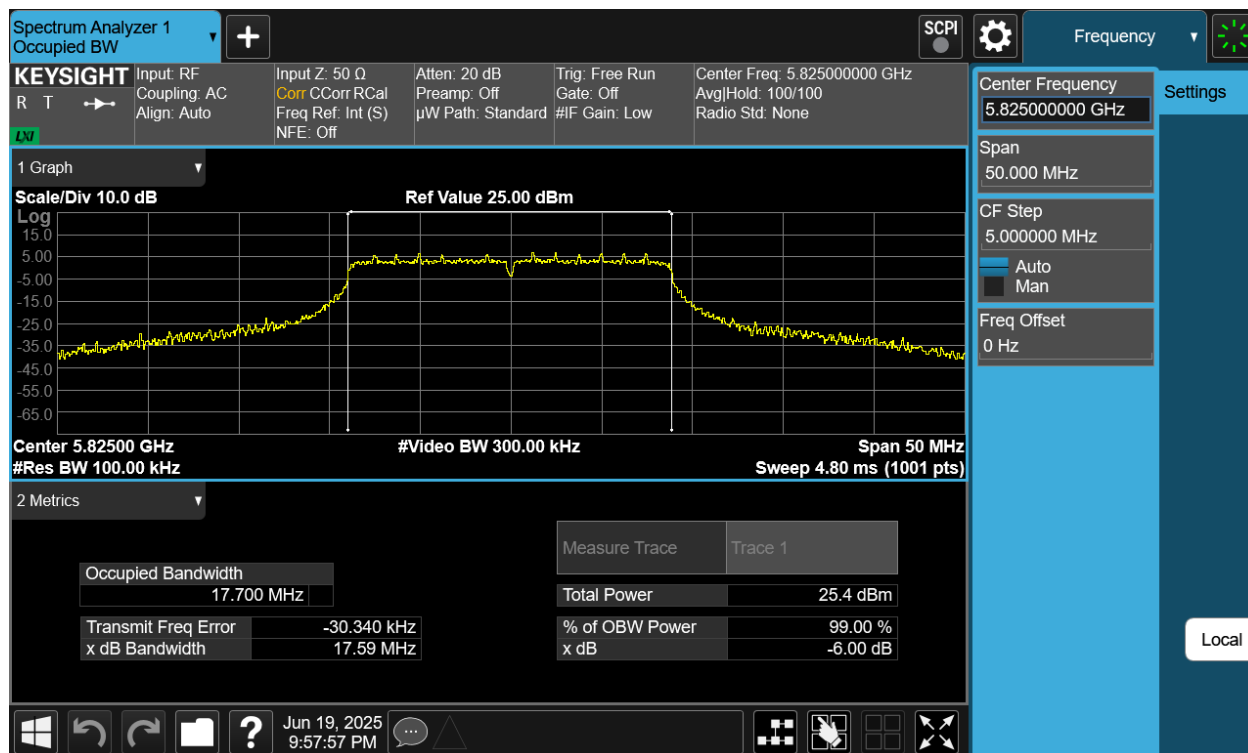
7.3.3 Antenna 2a 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	a	6Mbps	17.69	17.61	0.50	Pass
	5785	157	a	6Mbps	17.69	17.60	0.50	Pass
	5825	165	a	6Mbps	17.70	17.59	0.50	Pass
	5745	149	n (20MHz)	MCS0	17.70	17.60	0.50	Pass
	5785	157	n (20MHz)	MCS0	17.69	17.61	0.50	Pass
	5825	165	n (20MHz)	MCS0	17.71	17.62	0.50	Pass
	5745	149	be (SU) (20MHz)	MCS0	18.95	19.01	0.50	Pass
	5785	157	be (SU) (20MHz)	MCS0	18.95	19.05	0.50	Pass
	5825	165	be (SU) (20MHz)	MCS0	18.94	19.01	0.50	Pass
	5755	151	n (40MHz)	MCS0	36.25	36.42	0.50	Pass
	5795	159	n (40MHz)	MCS0	36.24	36.41	0.50	Pass
	5755	151	be (SU) (40MHz)	MCS0	37.85	38.18	0.50	Pass
	5795	159	be (SU) (40MHz)	MCS0	37.85	38.19	0.50	Pass
	5775	155	ac (80MHz)	MCS0	75.74	76.50	0.50	Pass
	5775	155	be (SU) (80MHz)	MCS3	77.39	78.19	0.50	Pass

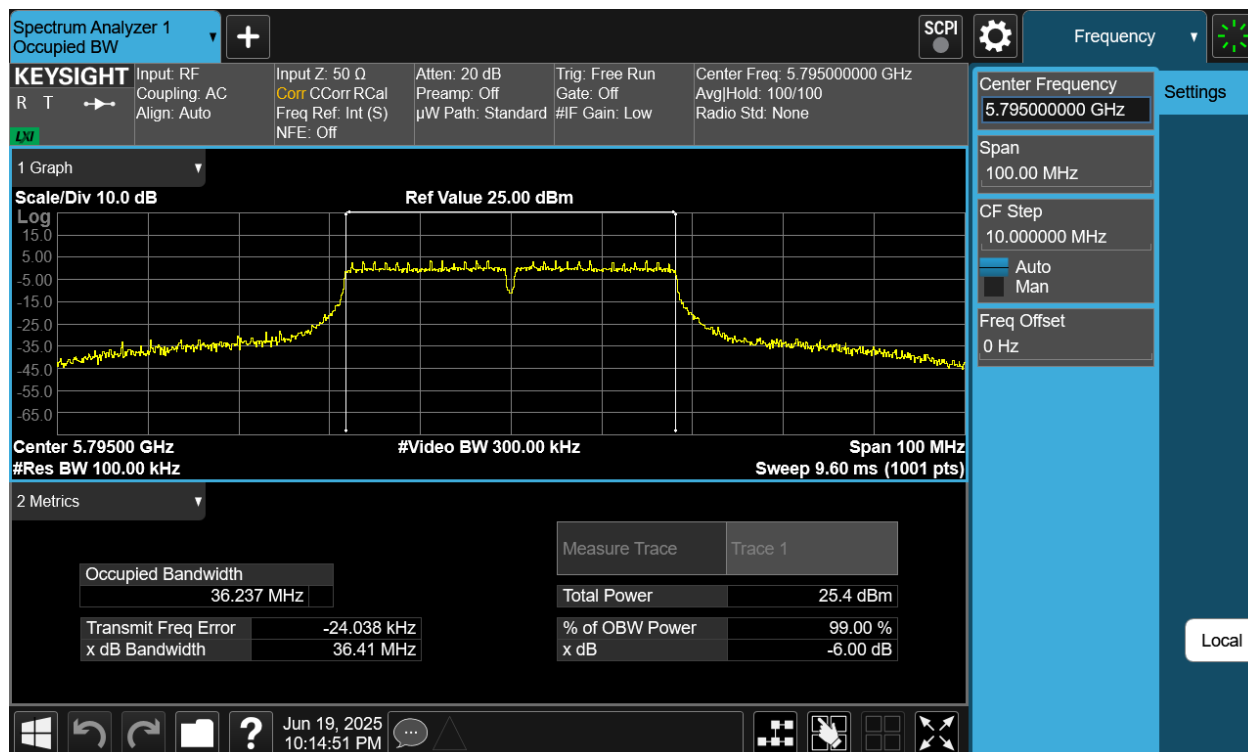
Table 7-7. Conducted Bandwidth Measurements Antenna 2a

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-19 6dB BW & 99% OBW Antenna 2a (20MHz BW 802.11a - Ch.165)

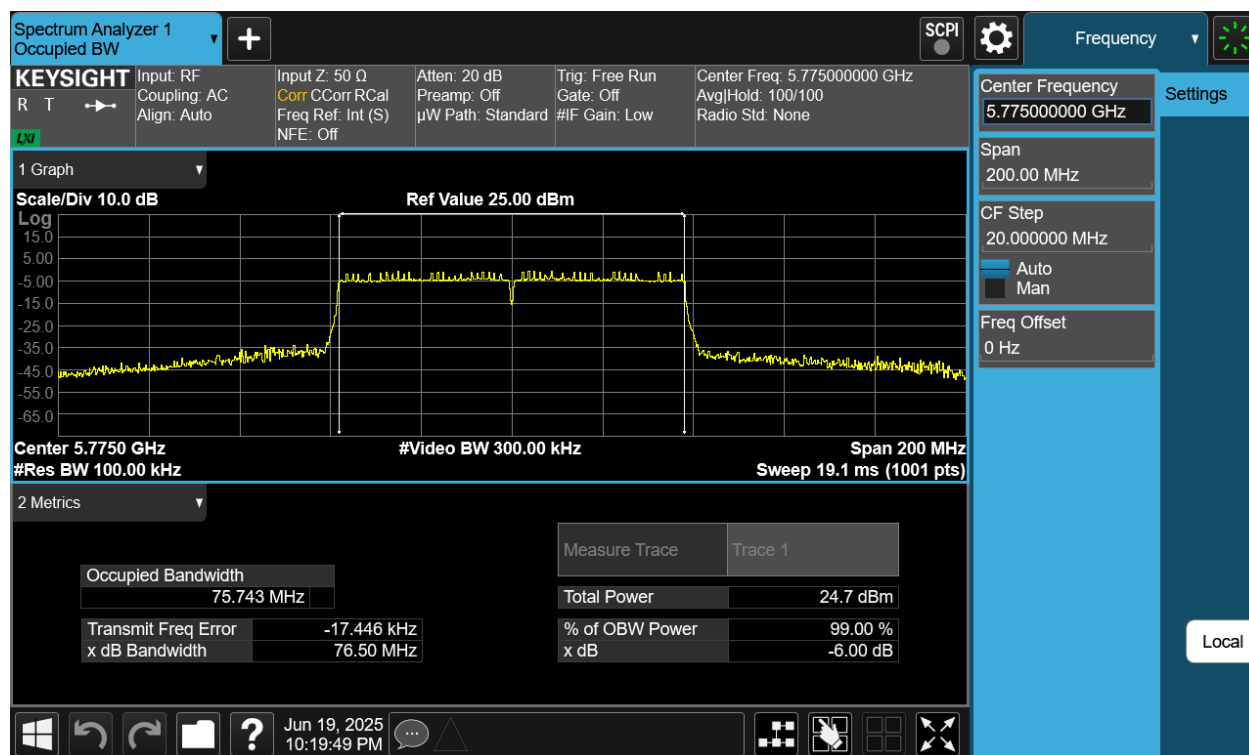


Plot 7-20 6dB BW & 99% OBW Antenna 2a (40MHz BW 802.11n - Ch.159)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-21 6dB BW & 99% OBW Antenna 2a (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3358 IC: 579C-A3358		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.

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7.4.1 FCC Antenna WF5B Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	6Mbps	17.70	23.98	-6.28
	5200	40	6Mbps	18.35	23.98	-5.63
	5240	48	18Mbps	18.50	23.98	-5.48
	5260	52	18Mbps	18.38	23.98	-5.60
	5300	60	6Mbps	18.42	23.98	-5.56
	5320	64	18Mbps	17.38	23.98	-6.60
	5500	100	18Mbps	15.92	23.98	-8.06
	5520	104	18Mbps	18.36	23.98	-5.62
	5540	108	18Mbps	18.40	23.98	-5.58
	5580	116	18Mbps	18.41	23.98	-5.57
	5660	132	18Mbps	18.29	23.98	-5.69
	5680	136	18Mbps	18.24	23.98	-5.74
	5700	140	18Mbps	15.49	23.98	-8.49
	5720	144	18Mbps	18.34	23.98	-5.64
	5745	149	18Mbps	18.44	30.00	-11.56
	5785	157	18Mbps	18.47	30.00	-11.53
	5825	165	18Mbps	18.46	30.00	-11.54

Table 7-8. FCC Antenna WF5B 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS0	17.69	23.98	-6.29
	5200	40	MCS3	18.36	23.98	-5.62
	5240	48	MCS3	18.40	23.98	-5.58
	5260	52	MCS3	18.45	23.98	-5.53
	5300	60	MCS0	18.43	23.98	-5.55
	5320	64	MCS3	17.41	23.98	-6.57
	5500	100	MCS3	15.92	23.98	-8.06
	5520	104	MCS3	18.43	23.98	-5.55
	5540	108	MCS3	18.41	23.98	-5.57
	5580	116	MCS3	18.49	23.98	-5.49
	5660	132	MCS3	18.37	23.98	-5.61
	5680	136	MCS3	18.45	23.98	-5.53
	5700	140	MCS0	15.40	23.98	-8.58
	5720	144	MCS3	18.37	23.98	-5.61
	5745	149	MCS3	18.49	30.00	-11.51
	5785	157	MCS3	18.42	30.00	-11.58
	5825	165	MCS3	18.47	30.00	-11.53

Table 7-9. FCC Antenna WF5B 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS0	16.96	23.98	-7.02
	5200	40	MCS3	18.38	23.98	-5.60
	5240	48	MCS3	18.42	23.98	-5.56
	5260	52	MCS3	18.46	23.98	-5.52
	5300	60	MCS3	18.39	23.98	-5.59
	5320	64	MCS0	17.29	23.98	-6.69
	5500	100	MCS0	15.56	23.98	-8.42
	5520	104	MCS3	17.97	23.98	-6.01
	5540	108	MCS0	18.48	23.98	-5.50
	5580	116	MCS0	18.48	23.98	-5.50
	5660	132	MCS0	18.41	23.98	-5.57
	5680	136	MCS0	18.40	23.98	-5.58
	5700	140	MCS0	15.08	23.98	-8.90
	5720	144	MCS0	18.40	23.98	-5.58
	5745	149	MCS0	18.41	30.00	-11.59
	5785	157	MCS0	18.44	30.00	-11.56
	5825	165	MCS0	18.43	30.00	-11.57

Table 7-10. FCC Antenna WF5B 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	14.92	23.98	-9.06
	5230	46	MCS0	18.38	23.98	-5.60
	5270	54	MCS3	18.36	23.98	-5.62
	5310	62	MCS0	15.67	23.98	-8.31
	5510	102	MCS3	13.60	23.98	-10.38
	5550	110	MCS3	18.30	23.98	-5.68
	5590	118	MCS3	18.48	23.98	-5.50
	5630	126	MCS0	18.32	23.98	-5.66
	5670	134	MCS0	18.26	23.98	-5.72
	5710	142	MCS3	18.45	23.98	-5.53
	5755	151	MCS3	18.34	30.00	-11.66
	5795	159	MCS3	18.43	30.00	-11.57

Table 7-11. FCC Antenna WF5B 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 40 of 255

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	14.11	23.98	-9.87
	5230	46	MCS3	18.37	23.98	-5.61
	5270	54	MCS3	18.22	23.98	-5.76
	5310	62	MCS0	14.94	23.98	-9.04
	5510	102	MCS0	13.36	23.98	-10.62
	5550	110	MCS0	18.08	23.98	-5.90
	5590	118	MCS3	18.15	23.98	-5.83
	5630	126	MCS3	18.12	23.98	-5.86
	5670	134	MCS0	18.27	23.98	-5.71
	5710	142	MCS3	18.30	23.98	-5.68
	5755	151	MCS0	18.49	30.00	-11.51
	5795	159	MCS3	18.30	30.00	-11.70

Table 7-12. FCC Antenna WF5B 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS0	14.06	23.98	-9.92
	5290	58	MCS0	15.16	23.98	-8.82
	5530	106	MCS0	14.13	23.98	-9.85
	5610	122	MCS3	18.25	23.98	-5.73
	5690	138	MCS0	18.28	23.98	-5.70
	5775	155	MCS0	18.13	30.00	-11.87

Table 7-13. FCC Antenna WF5B 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS0	13.96	23.98	-10.02
	5290	58	MCS0	15.09	23.98	-8.89
	5530	106	MCS0	13.46	23.98	-10.52
	5610	122	MCS3	18.30	23.98	-5.68
	5690	138	MCS3	18.38	23.98	-5.60
	5775	155	MCS0	17.71	30.00	-12.29

Table 7-14. FCC Antenna WF5B 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5250	50	MCS0	12.72	23.98	-11.26
	5570	114	MCS0	12.89	23.98	-11.09

Table 7-15. FCC Antenna WF5B 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5250	50	MCS0	12.75	23.98	-11.23
	5570	114	MCS0	12.92	23.98	-11.06

Table 7-16. FCC Antenna WF5B 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 41 of 255

7.4.2 ISED Antenna WF5B Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	18Mbps	16.14	-	-	3.40	19.54	23.01	-3.48
	5200	40	6Mbps	16.89	-	-	3.40	20.29	23.01	-2.73
	5240	48	18Mbps	16.66	-	-	3.40	20.06	23.01	-2.95
	5260	52	18Mbps	18.38	23.98	-5.60	3.30	21.68	30.00	-8.32
	5300	60	6Mbps	18.42	23.98	-5.56	3.30	21.72	30.00	-8.28
	5320	64	18Mbps	17.38	23.98	-6.60	3.30	20.68	30.00	-9.32
	5500	100	18Mbps	15.92	23.98	-8.06	2.10	18.02	30.00	-11.99
	5520	104	18Mbps	18.36	23.98	-5.62	2.10	20.46	30.00	-9.54
	5540	108	18Mbps	18.40	23.98	-5.58	2.10	20.50	30.00	-9.50
	5580	116	18Mbps	18.41	23.98	-5.57	2.10	20.51	30.00	-9.49
	5660	132	18Mbps	18.29	23.98	-5.69	2.10	20.39	30.00	-9.61
	5680	136	18Mbps	18.24	23.98	-5.74	2.10	20.34	30.00	-9.66
	5700	140	18Mbps	15.49	23.98	-8.49	2.10	17.59	30.00	-12.41
	5720	144	18Mbps	18.34	23.98	-5.64	2.10	20.44	30.00	-9.56
	5745	149	18Mbps	18.44	30.00	-11.56	0.60	19.04	-	-
	5785	157	18Mbps	18.47	30.00	-11.53	0.60	19.07	-	-
	5825	165	18Mbps	18.46	30.00	-11.54	0.60	19.06	-	-

Table 7-17. ISED Antenna WF5B 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS3	15.92	-	-	3.40	19.32	23.01	-3.69
	5200	40	MCS3	16.94	-	-	3.40	20.34	23.01	-2.67
	5240	48	MCS0	16.67	-	-	3.40	20.07	23.01	-2.95
	5260	52	MCS3	18.45	23.98	-5.53	3.30	21.75	30.00	-8.25
	5300	60	MCS0	18.43	23.98	-5.55	3.30	21.73	30.00	-8.27
	5320	64	MCS3	17.41	23.98	-6.57	3.30	20.71	30.00	-9.29
	5500	100	MCS3	15.92	23.98	-8.06	2.10	18.02	30.00	-11.98
	5520	104	MCS3	18.43	23.98	-5.55	2.10	20.53	30.00	-9.47
	5540	108	MCS3	18.41	23.98	-5.57	2.10	20.51	30.00	-9.49
	5580	116	MCS3	18.49	23.98	-5.49	2.10	20.59	30.00	-9.41
	5660	132	MCS3	18.37	23.98	-5.61	2.10	20.47	30.00	-9.53
	5680	136	MCS3	18.45	23.98	-5.53	2.10	20.55	30.00	-9.46
	5700	140	MCS0	15.40	23.98	-8.58	2.10	17.50	30.00	-12.51
	5720	144	MCS3	18.37	23.98	-5.61	2.10	20.47	30.00	-9.53
	5745	149	MCS3	18.49	30.00	-11.51	0.60	19.09	-	-
	5785	157	MCS3	18.42	30.00	-11.58	0.60	19.02	-	-
	5825	165	MCS3	18.47	30.00	-11.53	0.60	19.07	-	-

Table 7-18. ISED Antenna WF5B 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS0	16.02	-	-	3.40	19.42	23.01	-3.60
	5200	40	MCS3	17.01	-	-	3.40	20.41	23.01	-2.60
	5240	48	MCS3	16.79	-	-	3.40	20.19	23.01	-2.82
	5260	52	MCS3	18.46	23.98	-5.52	3.30	21.76	30.00	-8.24
	5300	60	MCS3	18.39	23.98	-5.59	3.30	21.69	30.00	-8.31
	5320	64	MCS0	17.29	23.98	-6.69	3.30	20.59	30.00	-9.41
	5500	100	MCS0	15.56	23.98	-8.42	2.10	17.66	30.00	-12.34
	5520	104	MCS3	17.97	23.98	-6.01	2.10	20.07	30.00	-9.93
	5540	108	MCS0	18.48	23.98	-5.50	2.10	20.58	30.00	-9.42
	5580	116	MCS0	18.48	23.98	-5.50	2.10	20.58	30.00	-9.42
	5660	132	MCS0	18.41	23.98	-5.57	2.10	20.51	30.00	-9.49
	5680	136	MCS0	18.40	23.98	-5.58	2.10	20.50	30.00	-9.50
	5700	140	MCS0	15.08	23.98	-8.90	2.10	17.18	30.00	-12.82
	5720	144	MCS0	18.40	23.98	-5.58	2.10	20.50	30.00	-9.50
	5745	149	MCS0	18.41	30.00	-11.59	0.60	19.01	-	-
	5785	157	MCS0	18.44	30.00	-11.56	0.60	19.04	-	-
	5825	165	MCS0	18.43	30.00	-11.57	0.60	19.03	-	-

Table 7-19. ISED Antenna WF5B 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 42 of 255

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	14.92	-	-	3.40	18.32	23.01	-4.69
	5230	46	MCS3	18.38	-	-	3.40	21.78	23.01	-1.23
	5270	54	MCS3	18.36	23.98	-5.62	3.30	21.66	30.00	-8.34
	5310	62	MCS0	15.67	23.98	-8.31	3.30	18.97	30.00	-11.03
	5510	102	MCS3	13.60	23.98	-10.38	2.10	15.70	30.00	-14.30
	5550	110	MCS3	18.30	23.98	-5.68	2.10	20.40	30.00	-9.60
	5670	134	MCS0	18.26	23.98	-5.72	2.10	20.36	30.00	-9.64
	5710	142	MCS3	18.45	23.98	-5.53	2.10	20.55	30.00	-9.45
	5755	151	MCS3	18.34	30.00	-11.66	0.60	18.94	-	-
	5795	159	MCS3	18.43	30.00	-11.57	0.60	19.03	-	-

Table 7-20. ISED Antenna WF5B 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	14.11	-	-	3.40	17.51	23.01	-5.50
	5230	46	MCS0	18.37	-	-	3.40	21.77	23.01	-1.24
	5270	54	MCS0	18.22	23.98	-5.76	3.30	21.52	30.00	-8.48
	5310	62	MCS0	14.94	23.98	-9.04	3.30	18.24	30.00	-11.76
	5510	102	MCS0	13.36	23.98	-10.62	2.10	15.46	30.00	-14.54
	5550	110	MCS0	18.08	23.98	-5.90	2.10	20.18	30.00	-9.82
	5670	134	MCS0	18.27	23.98	-5.71	2.10	20.37	30.00	-9.63
	5710	142	MCS3	18.30	23.98	-5.68	2.10	20.40	30.00	-9.60
	5755	151	MCS0	18.49	30.00	-11.51	0.60	19.09	-	-
	5795	159	MCS3	18.30	30.00	-11.70	0.60	18.90	-	-

Table 7-21. ISED Antenna WF5B 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS0	14.06	-	-	3.40	17.46	23.01	-5.55
	5290	58	MCS0	15.16	23.98	-8.82	3.30	18.46	30.00	-11.54
	5530	106	MCS0	14.13	23.98	-9.85	2.10	16.23	30.00	-13.77
	5690	138	MCS0	18.28	23.98	-5.70	2.10	20.38	30.00	-9.62
	5775	155	MCS0	18.13	30.00	-11.87	0.60	18.73	-	-

Table 7-22. ISED Antenna WF5B 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS0	13.96	-	-	3.40	17.36	23.01	-5.65
	5290	58	MCS0	15.09	23.98	-8.89	3.30	18.39	30.00	-11.61
	5530	106	MCS0	13.46	23.98	-10.52	2.10	15.56	30.00	-14.44
	5690	138	MCS3	18.38	23.98	-5.60	2.10	20.48	30.00	-9.52
	5775	155	MCS0	17.71	30.00	-12.29	0.60	18.31	-	-

Table 7-23. ISED Antenna WF5B 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5250	50	MCS0	12.96	23.98	-11.02	3.40	16.36	23.01	-6.65

Table 7-24. ISED Antenna WF5B 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5250	50	MCS0	12.75	23.98	-11.23	3.40	16.15	23.01	-6.86

Table 7-25. ISED Antenna WF5B 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.4.3 FCC Antenna 4a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	6Mbps	17.43	23.98	-6.55
	5200	40	6Mbps	19.42	23.98	-4.56
	5240	48	18Mbps	19.48	23.98	-4.50
	5260	52	18Mbps	19.43	23.98	-4.55
	5300	60	18Mbps	19.26	23.98	-4.72
	5320	64	6Mbps	18.46	23.98	-5.52
	5500	100	6Mbps	19.49	23.98	-4.49
	5520	104	18Mbps	19.50	23.98	-4.48
	5540	108	18Mbps	19.47	23.98	-4.51
	5580	116	6Mbps	19.46	23.98	-4.52
	5660	132	6Mbps	19.31	23.98	-4.67
	5680	136	18Mbps	19.28	23.98	-4.70
	5700	140	18Mbps	16.41	23.98	-7.57
	5720	144	18Mbps	19.33	23.98	-4.65
	5745	149	18Mbps	19.36	30.00	-10.64
	5785	157	6Mbps	19.42	30.00	-10.58
	5825	165	18Mbps	19.41	30.00	-10.59

Table 7-26. FCC Antenna 4a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS0	17.63	23.98	-6.35
	5200	40	MCS3	19.49	23.98	-4.49
	5240	48	MCS3	19.44	23.98	-4.54
	5260	52	MCS3	19.50	23.98	-4.48
	5300	60	MCS3	19.45	23.98	-4.53
	5320	64	MCS0	18.41	23.98	-5.57
	5500	100	MCS0	19.26	23.98	-4.72
	5520	104	MCS0	19.49	23.98	-4.49
	5540	108	MCS0	19.47	23.98	-4.51
	5580	116	MCS0	19.47	23.98	-4.51
	5660	132	MCS3	19.47	23.98	-4.51
	5680	136	MCS3	19.41	23.98	-4.57
	5700	140	MCS3	16.44	23.98	-7.54
	5720	144	MCS3	19.48	23.98	-4.50
	5745	149	MCS3	19.49	30.00	-10.51
	5785	157	MCS3	19.50	30.00	-10.50
	5825	165	MCS3	19.32	30.00	-10.68

Table 7-27. FCC Antenna 4a 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 44 of 255

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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS0	16.98	23.98	-7.00
	5200	40	MCS3	19.48	23.98	-4.50
	5240	48	MCS3	19.44	23.98	-4.54
	5260	52	MCS3	19.48	23.98	-4.50
	5300	60	MCS3	19.43	23.98	-4.55
	5320	64	MCS0	18.14	23.98	-5.84
	5500	100	MCS0	16.07	23.98	-7.91
	5520	104	MCS0	19.47	23.98	-4.51
	5540	108	MCS0	19.44	23.98	-4.54
	5580	116	MCS0	19.43	23.98	-4.55
	5660	132	MCS3	19.48	23.98	-4.50
	5680	136	MCS3	19.41	23.98	-4.57
	5700	140	MCS0	15.57	23.98	-8.41
	5720	144	MCS3	19.47	23.98	-4.51
	5745	149	MCS3	19.28	30.00	-10.72
	5785	157	MCS3	19.36	30.00	-10.64
	5825	165	MCS3	19.34	30.00	-10.66

Table 7-28. FCC Antenna 4a 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	14.79	23.98	-9.19
	5230	46	MCS3	19.41	23.98	-4.57
	5270	54	MCS3	19.36	23.98	-4.62
	5310	62	MCS0	16.27	23.98	-7.71
	5510	102	MCS0	14.83	23.98	-9.15
	5550	110	MCS3	19.46	23.98	-4.52
	5590	118	MCS3	19.30	23.98	-4.68
	5630	126	MCS3	19.42	23.98	-4.56
	5670	134	MCS0	19.28	23.98	-4.70
	5710	142	MCS3	19.30	23.98	-4.68
	5755	151	MCS0	19.37	30.00	-10.64
	5795	159	MCS3	19.48	30.00	-10.52

Table 7-29. FCC Antenna 4a 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 45 of 255

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS3	14.15	23.98	-9.83
	5230	46	MCS3	19.48	23.98	-4.50
	5270	54	MCS3	19.15	23.98	-4.83
	5310	62	MCS0	16.11	23.98	-7.87
	5510	102	MCS0	14.80	23.98	-9.18
	5550	110	MCS3	19.46	23.98	-4.52
	5590	118	MCS0	19.33	23.98	-4.65
	5630	126	MCS0	19.44	23.98	-4.54
	5670	134	MCS0	19.22	23.98	-4.76
	5710	142	MCS3	19.47	23.98	-4.51
	5755	151	MCS3	19.48	30.00	-10.52
	5795	159	MCS3	19.34	30.00	-10.66

Table 7-30. FCC Antenna 4a 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS0	14.26	23.98	-9.72
	5290	58	MCS0	15.62	23.98	-8.36
	5530	106	MCS0	15.16	23.98	-8.82
	5610	122	MCS3	19.49	23.98	-4.49
	5690	138	MCS0	19.26	23.98	-4.72
	5775	155	MCS3	19.47	30.00	-10.53

Table 7-31. FCC Antenna 4a 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS3	14.23	23.98	-9.75
	5290	58	MCS0	15.73	23.98	-8.25
	5530	106	MCS0	14.30	23.98	-9.68
	5610	122	MCS3	19.38	23.98	-4.60
	5690	138	MCS3	19.36	23.98	-4.62
	5775	155	MCS0	19.40	30.00	-10.60

Table 7-32. FCC Antenna 4a 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5250	50	MCS0	12.78	23.98	-11.20
	5570	114	MCS3	13.44	23.98	-10.54

Table 7-33. FCC Antenna 4a 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5250	50	MCS0	12.73	23.98	-11.25
	5570	114	MCS3	13.41	23.98	-10.57

Table 7-34. FCC Antenna 4a 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 46 of 255

7.4.4 ISED Antenna 4a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	6Mbps	17.67	-	-	-0.90	16.77	23.01	-6.24
	5200	40	6Mbps	19.43	-	-	-0.90	18.53	23.01	-4.48
	5240	48	18Mbps	19.40	-	-	-0.90	18.50	23.01	-4.51
	5260	52	18Mbps	19.43	23.98	-4.55	-0.40	19.03	30.00	-10.97
	5300	60	18Mbps	19.26	23.98	-4.72	-0.40	18.86	30.00	-11.14
	5320	64	6Mbps	18.46	23.98	-5.52	-0.40	18.06	30.00	-11.94
	5500	100	6Mbps	19.49	23.98	-4.49	-0.10	19.39	30.00	-10.62
	5520	104	18Mbps	19.50	23.98	-4.48	-0.10	19.40	30.00	-10.60
	5540	108	18Mbps	19.47	23.98	-4.51	-0.10	19.37	30.00	-10.63
	5580	116	6Mbps	19.46	23.98	-4.52	-0.10	19.36	30.00	-10.64
	5660	132	6Mbps	19.31	23.98	-4.67	-0.10	19.21	30.00	-10.79
	5680	136	18Mbps	19.28	23.98	-4.70	-0.10	19.18	30.00	-10.82
	5700	140	18Mbps	16.41	23.98	-7.57	-0.10	16.31	30.00	-13.69
	5720	144	18Mbps	19.33	23.98	-4.65	-0.10	19.23	30.00	-10.77
	5745	149	18Mbps	19.36	30.00	-10.64	0.10	19.46	-	-
	5785	157	6Mbps	19.42	30.00	-10.58	0.10	19.52	-	-
	5825	165	18Mbps	19.41	30.00	-10.59	0.10	19.51	-	-

Table 7-35. ISED Antenna 4a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS0	17.71	-	-	-0.90	16.81	23.01	-6.20
	5200	40	MCS3	19.50	-	-	-0.90	18.60	23.01	-4.42
	5240	48	MCS3	19.36	-	-	-0.90	18.46	23.01	-4.56
	5260	52	MCS3	19.50	23.98	-4.48	-0.40	19.10	30.00	-10.90
	5300	60	MCS3	19.45	23.98	-4.53	-0.40	19.05	30.00	-10.95
	5320	64	MCS0	18.41	23.98	-5.57	-0.40	18.01	30.00	-11.99
	5500	100	MCS0	19.26	23.98	-4.72	-0.10	19.16	30.00	-10.84
	5520	104	MCS0	19.49	23.98	-4.49	-0.10	19.39	30.00	-10.61
	5540	108	MCS0	19.47	23.98	-4.51	-0.10	19.37	30.00	-10.63
	5580	116	MCS0	19.47	23.98	-4.51	-0.10	19.37	30.00	-10.63
	5660	132	MCS3	19.47	23.98	-4.51	-0.10	19.37	30.00	-10.63
	5680	136	MCS3	19.41	23.98	-4.57	-0.10	19.31	30.00	-10.69
	5700	140	MCS3	16.44	23.98	-7.54	-0.10	16.34	30.00	-13.66
	5720	144	MCS3	19.48	23.98	-4.50	-0.10	19.38	30.00	-10.62
	5745	149	MCS3	19.49	30.00	-10.51	0.10	19.59	-	-
	5785	157	MCS3	19.50	30.00	-10.50	0.10	19.60	-	-
	5825	165	MCS3	19.32	30.00	-10.68	0.10	19.42	-	-

Table 7-36. ISED Antenna 4a 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS0	16.96	-	-	-0.90	16.06	23.01	-6.95
	5200	40	MCS3	19.46	-	-	-0.90	18.56	23.01	-4.45
	5240	48	MCS0	19.49	-	-	-0.90	18.59	23.01	-4.42
	5260	52	MCS3	19.48	23.98	-4.50	-0.40	19.08	30.00	-10.92
	5300	60	MCS3	19.43	23.98	-4.55	-0.40	19.03	30.00	-10.97
	5320	64	MCS0	18.14	23.98	-5.84	-0.40	17.74	30.00	-12.26
	5500	100	MCS0	16.07	23.98	-7.91	-0.10	15.97	30.00	-14.03
	5520	104	MCS0	19.47	23.98	-4.51	-0.10	19.37	30.00	-10.63
	5540	108	MCS0	19.44	23.98	-4.54	-0.10	19.34	30.00	-10.66
	5580	116	MCS0	19.43	23.98	-4.55	-0.10	19.33	30.00	-10.67
	5660	132	MCS3	19.48	23.98	-4.50	-0.10	19.38	30.00	-10.62
	5680	136	MCS3	19.41	23.98	-4.57	-0.10	19.31	30.00	-10.69
	5700	140	MCS0	15.57	23.98	-8.41	-0.10	15.47	30.00	-14.53
	5720	144	MCS3	19.47	23.98	-4.51	-0.10	19.37	30.00	-10.63
	5745	149	MCS3	19.28	30.00	-10.72	0.10	19.38	-	-
	5785	157	MCS3	19.36	30.00	-10.64	0.10	19.46	-	-
	5825	165	MCS3	19.34	30.00	-10.66	0.10	19.44	-	-

Table 7-37. ISED Antenna 4a 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 47 of 255

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	14.79	-	-	-0.90	13.89	23.01	-9.12
	5230	46	MCS0	19.41	-	-	-0.90	18.51	23.01	-4.50
	5270	54	MCS3	19.36	23.98	-4.62	-0.40	18.96	30.00	-11.04
	5310	62	MCS0	16.27	23.98	-7.71	-0.40	15.87	30.00	-14.13
	5510	102	MCS0	14.83	23.98	-9.15	-0.10	14.73	30.00	-15.27
	5550	110	MCS3	19.46	23.98	-4.52	-0.10	19.36	30.00	-10.64
	5670	134	MCS0	19.28	23.98	-4.70	-0.10	19.18	30.00	-10.82
	5710	142	MCS3	19.30	23.98	-4.68	-0.10	19.20	30.00	-10.80
	5755	151	MCS0	19.37	30.00	-10.64	0.10	19.47	-	-
	5795	159	MCS3	19.48	30.00	-10.52	0.10	19.58	-	-

Table 7-38. ISED Antenna 4a 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	14.15	-	-	-0.90	13.25	23.01	-9.76
	5230	46	MCS3	19.48	-	-	-0.90	18.58	23.01	-4.44
	5270	54	MCS0	19.15	23.98	-4.83	-0.40	18.75	30.00	-11.25
	5310	62	MCS0	16.11	23.98	-7.87	-0.40	15.71	30.00	-14.29
	5510	102	MCS0	14.80	23.98	-9.18	-0.10	14.70	30.00	-15.31
	5550	110	MCS3	19.46	23.98	-4.52	-0.10	19.36	30.00	-10.64
	5670	134	MCS0	19.22	23.98	-4.76	-0.10	19.12	30.00	-10.88
	5710	142	MCS3	19.47	23.98	-4.51	-0.10	19.37	30.00	-10.63
	5755	151	MCS3	19.48	30.00	-10.52	0.10	19.58	-	-
	5795	159	MCS3	19.34	30.00	-10.66	0.10	19.44	-	-

Table 7-39. ISED Antenna 4a 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS0	14.11	-	-	-0.90	13.21	23.01	-9.81
	5290	58	MCS0	15.62	23.98	-8.36	-0.40	15.22	30.00	-14.78
	5530	106	MCS0	15.16	23.98	-8.82	-0.10	15.06	30.00	-14.94
	5690	138	MCS0	19.26	23.98	-4.72	-0.10	19.16	30.00	-10.84
	5775	155	MCS3	19.47	30.00	-10.53	0.10	19.57	-	-

Table 7-40. ISED Antenna 4a 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS0	14.23	-	-	-0.90	13.33	23.01	-9.68
	5290	58	MCS0	15.73	23.98	-8.25	-0.40	15.33	30.00	-14.67
	5530	106	MCS0	14.30	23.98	-9.68	-0.10	14.20	30.00	-15.80
	5690	138	MCS3	19.36	23.98	-4.62	-0.10	19.26	30.00	-10.74
	5775	155	MCS0	19.40	30.00	-10.60	0.10	19.50	-	-

Table 7-41. ISED Antenna 4a 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5250	50	MCS0	12.89	23.98	-11.09	-0.40	12.49	23.01	-10.52

Table 7-42. ISED Antenna 4a 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5250	50	MCS0	12.73	23.98	-11.25	-0.40	12.33	23.01	-10.69

Table 7-43. ISED Antenna 4a 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.4.5 FCC Antenna 2a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	6Mbps	17.67	23.98	-6.31
	5200	40	18Mbps	18.44	23.98	-5.54
	5240	48	18Mbps	18.45	23.98	-5.53
	5260	52	18Mbps	18.39	23.98	-5.59
	5300	60	18Mbps	18.48	23.98	-5.50
	5320	64	18Mbps	17.29	23.98	-6.69
	5500	100	18Mbps	16.03	23.98	-7.95
	5520	104	18Mbps	18.47	23.98	-5.51
	5540	108	18Mbps	18.43	23.98	-5.55
	5580	116	18Mbps	18.46	23.98	-5.52
	5660	132	18Mbps	18.47	23.98	-5.51
	5680	136	18Mbps	18.49	23.98	-5.49
	5700	140	18Mbps	15.41	23.98	-8.57
	5720	144	18Mbps	18.42	23.98	-5.56
	5745	149	18Mbps	18.47	30.00	-11.53
	5785	157	18Mbps	18.31	30.00	-11.69
	5825	165	18Mbps	18.47	30.00	-11.53

Table 7-44. FCC Antenna 2a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS0	17.68	23.98	-6.30
	5200	40	MCS3	18.32	23.98	-5.66
	5240	48	MCS3	18.45	23.98	-5.53
	5260	52	MCS3	18.46	23.98	-5.52
	5300	60	MCS3	18.40	23.98	-5.58
	5320	64	MCS3	17.30	23.98	-6.68
	5500	100	MCS3	16.05	23.98	-7.93
	5520	104	MCS0	18.36	23.98	-5.62
	5540	108	MCS0	18.43	23.98	-5.55
	5580	116	MCS3	18.35	23.98	-5.63
	5660	132	MCS3	18.35	23.98	-5.63
	5680	136	MCS3	18.49	23.98	-5.49
	5700	140	MCS3	15.48	23.98	-8.50
	5720	144	MCS3	18.33	23.98	-5.65
	5745	149	MCS3	18.26	30.00	-11.74
	5785	157	MCS3	18.46	30.00	-11.54
	5825	165	MCS0	18.44	30.00	-11.56

Table 7-45. FCC Antenna 2a 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	MCS0	16.62	23.98	-7.36
	5200	40	MCS3	18.49	23.98	-5.49
	5240	48	MCS3	18.47	23.98	-5.51
	5260	52	MCS0	18.45	23.98	-5.53
	5300	60	MCS0	18.49	23.98	-5.49
	5320	64	MCS0	17.41	23.98	-6.57
	5500	100	MCS0	15.66	23.98	-8.32
	5520	104	MCS3	17.99	23.98	-5.99
	5540	108	MCS0	18.40	23.98	-5.58
	5580	116	MCS3	18.42	23.98	-5.56
	5660	132	MCS0	18.45	23.98	-5.53
	5680	136	MCS3	18.45	23.98	-5.53
	5700	140	MCS0	15.08	23.98	-8.90
	5720	144	MCS3	18.39	23.98	-5.59
	5745	149	MCS3	18.46	30.00	-11.54
	5785	157	MCS3	18.48	30.00	-11.52
	5825	165	MCS3	18.45	30.00	-11.55

Table 7-46. FCC Antenna 2a 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	14.94	23.98	-9.04
	5230	46	MCS3	18.27	23.98	-5.71
	5270	54	MCS3	18.41	23.98	-5.57
	5310	62	MCS0	15.76	23.98	-8.22
	5510	102	MCS3	13.76	23.98	-10.22
	5550	110	MCS3	18.19	23.98	-5.79
	5590	118	MCS3	18.36	23.98	-5.62
	5630	126	MCS3	18.39	23.98	-5.59
	5670	134	MCS0	18.20	23.98	-5.78
	5710	142	MCS3	18.33	23.98	-5.65
	5755	151	MCS3	18.30	30.00	-11.70
	5795	159	MCS3	18.32	30.00	-11.68

Table 7-47. FCC Antenna 2a 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 50 of 255

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	MCS0	14.03	23.98	-9.95
	5230	46	MCS3	18.30	23.98	-5.68
	5270	54	MCS3	18.31	23.98	-5.67
	5310	62	MCS0	14.83	23.98	-9.15
	5510	102	MCS0	13.30	23.98	-10.68
	5550	110	MCS0	18.18	23.98	-5.80
	5590	118	MCS0	18.48	23.98	-5.50
	5630	126	MCS0	18.40	23.98	-5.58
	5670	134	MCS0	18.27	23.98	-5.71
	5710	142	MCS3	18.38	23.98	-5.60
	5755	151	MCS0	18.42	30.00	-11.58
	5795	159	MCS0	18.41	30.00	-11.59

Table 7-48. FCC Antenna 2a 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS0	14.27	23.98	-9.71
	5290	58	MCS0	15.11	23.98	-8.87
	5530	106	MCS0	14.12	23.98	-9.86
	5610	122	MCS3	18.37	23.98	-5.61
	5690	138	MCS0	18.45	23.98	-5.53
	5775	155	MCS0	18.40	30.00	-11.60

Table 7-49. FCC Antenna 2a 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	MCS0	13.98	23.98	-10.00
	5290	58	MCS0	15.27	23.98	-8.71
	5530	106	MCS0	13.43	23.98	-10.55
	5610	122	MCS0	18.47	23.98	-5.51
	5690	138	MCS0	18.38	23.98	-5.60
	5775	155	MCS0	17.98	30.00	-12.03

Table 7-50. FCC Antenna 2a 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5250	50	MCS0	12.82	23.98	-11.16
	5570	114	MCS0	12.91	23.98	-11.07

Table 7-51. FCC Antenna 2a 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5250	50	MCS0	12.81	23.98	-11.17
	5570	114	MCS0	12.83	23.98	-11.15

Table 7-52. FCC Antenna 2a 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 51 of 255

7.4.6 ISED Antenna 2a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	18Mbps	16.09	-	-	-1.10	14.99	23.01	-8.02
	5200	40	18Mbps	16.87	-	-	-1.10	15.77	23.01	-7.25
	5240	48	6Mbps	16.70	-	-	-1.10	15.60	23.01	-7.41
	5260	52	18Mbps	18.39	23.98	-5.59	0.20	18.59	30.00	-11.41
	5300	60	18Mbps	18.48	23.98	-5.50	0.20	18.68	30.00	-11.32
	5320	64	18Mbps	17.29	23.98	-6.69	0.20	17.49	30.00	-12.51
	5500	100	18Mbps	16.03	23.98	-7.95	0.70	16.73	30.00	-13.27
	5520	104	18Mbps	18.47	23.98	-5.51	0.70	19.17	30.00	-10.83
	5540	108	18Mbps	18.43	23.98	-5.55	0.70	19.13	30.00	-10.88
	5580	116	18Mbps	18.46	23.98	-5.52	0.70	19.16	30.00	-10.84
	5660	132	18Mbps	18.47	23.98	-5.51	0.70	19.17	30.00	-10.83
	5680	136	18Mbps	18.49	23.98	-5.49	0.70	19.19	30.00	-10.81
	5700	140	18Mbps	15.41	23.98	-8.57	0.70	16.11	30.00	-13.89
	5720	144	18Mbps	18.42	23.98	-5.56	0.70	19.12	30.00	-10.88
	5745	149	18Mbps	18.47	30.00	-11.53	0.10	18.57	-	-
	5785	157	18Mbps	18.31	30.00	-11.69	0.10	18.41	-	-
	5825	165	18Mbps	18.47	30.00	-11.53	0.10	18.57	-	-

Table 7-53. ISED Antenna 2a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS3	16.03	-	-	-1.10	14.93	23.01	-8.08
	5200	40	MCS3	16.88	-	-	-1.10	15.78	23.01	-7.23
	5240	48	MCS3	16.57	-	-	-1.10	15.47	23.01	-7.54
	5260	52	MCS3	18.46	23.98	-5.52	0.20	18.66	30.00	-11.34
	5300	60	MCS3	18.40	23.98	-5.58	0.20	18.60	30.00	-11.40
	5320	64	MCS3	17.30	23.98	-6.68	0.20	17.50	30.00	-12.50
	5500	100	MCS3	16.05	23.98	-7.93	0.70	16.75	30.00	-13.25
	5520	104	MCS0	18.36	23.98	-5.62	0.70	19.06	30.00	-10.94
	5540	108	MCS0	18.43	23.98	-5.55	0.70	19.13	30.00	-10.87
	5580	116	MCS3	18.35	23.98	-5.63	0.70	19.05	30.00	-10.95
	5660	132	MCS3	18.35	23.98	-5.63	0.70	19.05	30.00	-10.95
	5680	136	MCS3	18.49	23.98	-5.49	0.70	19.19	30.00	-10.81
	5700	140	MCS3	15.48	23.98	-8.50	0.70	16.18	30.00	-13.82
	5720	144	MCS3	18.33	23.98	-5.65	0.70	19.03	30.00	-10.97
	5745	149	MCS3	18.26	30.00	-11.74	0.10	18.36	-	-
	5785	157	MCS3	18.46	30.00	-11.54	0.10	18.56	-	-
	5825	165	MCS0	18.44	30.00	-11.56	0.10	18.54	-	-

Table 7-54. ISED Antenna 2a 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	MCS3	16.00	-	-	-1.10	14.90	23.01	-8.11
	5200	40	MCS3	17.06	-	-	-1.10	15.96	23.01	-7.05
	5240	48	MCS3	16.79	-	-	-1.10	15.69	23.01	-7.32
	5260	52	MCS0	18.45	23.98	-5.53	0.20	18.65	30.00	-11.35
	5300	60	MCS0	18.49	23.98	-5.49	0.20	18.69	30.00	-11.31
	5320	64	MCS0	17.41	23.98	-6.57	0.20	17.61	30.00	-12.39
	5500	100	MCS0	15.66	23.98	-8.32	0.70	16.36	30.00	-13.64
	5520	104	MCS3	17.99	23.98	-5.99	0.70	18.69	30.00	-11.31
	5540	108	MCS0	18.40	23.98	-5.58	0.70	19.10	30.00	-10.90
	5580	116	MCS3	18.42	23.98	-5.56	0.70	19.12	30.00	-10.88
	5660	132	MCS0	18.45	23.98	-5.53	0.70	19.15	30.00	-10.85
	5680	136	MCS3	18.45	23.98	-5.53	0.70	19.15	30.00	-10.85
	5700	140	MCS0	15.08	23.98	-8.90	0.70	15.78	30.00	-14.22
	5720	144	MCS3	18.39	23.98	-5.59	0.70	19.09	30.00	-10.91
	5745	149	MCS3	18.46	30.00	-11.54	0.10	18.56	-	-
	5785	157	MCS3	18.48	30.00	-11.52	0.10	18.58	-	-
	5825	165	MCS3	18.45	30.00	-11.55	0.10	18.55	-	-

Table 7-55. ISED Antenna 2a 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 52 of 255

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	14.94	-	-	-1.10	13.84	23.01	-9.18
	5230	46	MCS3	18.27	-	-	-1.10	17.17	23.01	-5.84
	5270	54	MCS3	18.41	23.98	-5.57	0.20	18.61	30.00	-11.39
	5310	62	MCS0	15.76	23.98	-8.22	0.20	15.96	30.00	-14.04
	5510	102	MCS3	13.76	23.98	-10.22	0.70	14.46	30.00	-15.54
	5550	110	MCS3	18.19	23.98	-5.79	0.70	18.89	30.00	-11.11
	5670	134	MCS0	18.20	23.98	-5.78	0.70	18.90	30.00	-11.10
	5710	142	MCS3	18.33	23.98	-5.65	0.70	19.03	30.00	-10.97
	5755	151	MCS3	18.30	30.00	-11.70	0.10	18.40	-	-
	5795	159	MCS3	18.32	30.00	-11.68	0.10	18.42	-	-

Table 7-56. ISED Antenna 2a 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	MCS0	14.03	-	-	-1.10	12.93	23.01	-10.08
	5230	46	MCS0	18.30	-	-	-1.10	17.20	23.01	-5.81
	5270	54	MCS0	18.31	23.98	-5.67	0.20	18.51	30.00	-11.49
	5310	62	MCS0	14.83	23.98	-9.15	0.20	15.03	30.00	-14.97
	5510	102	MCS0	13.30	23.98	-10.68	0.70	14.00	30.00	-16.00
	5550	110	MCS0	18.18	23.98	-5.80	0.70	18.88	30.00	-11.12
	5670	134	MCS0	18.27	23.98	-5.71	0.70	18.97	30.00	-11.04
	5710	142	MCS0	18.38	23.98	-5.60	0.70	19.08	30.00	-10.92
	5755	151	MCS0	18.42	30.00	-11.58	0.10	18.52	-	-
	5795	159	MCS0	18.41	30.00	-11.59	0.10	18.51	-	-

Table 7-57. ISED Antenna 2a 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS0	14.27	-	-	-1.10	13.17	23.01	-9.84
	5290	58	MCS0	15.11	23.98	-8.87	0.20	15.31	30.00	-14.69
	5530	106	MCS0	14.12	23.98	-9.86	0.70	14.82	30.00	-15.18
	5690	138	MCS0	18.45	23.98	-5.53	0.70	19.15	30.00	-10.86
	5775	155	MCS0	18.40	30.00	-11.60	0.10	18.50	-	-

Table 7-58. ISED Antenna 2a 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	MCS3	13.98	-	-	-1.10	12.88	23.01	-10.14
	5290	58	MCS0	15.27	23.98	-8.71	0.20	15.47	30.00	-14.53
	5530	106	MCS0	13.43	23.98	-10.55	0.70	14.13	30.00	-15.87
	5690	138	MCS0	18.38	23.98	-5.60	0.70	19.08	30.00	-10.92
	5775	155	MCS0	17.98	30.00	-12.03	0.10	18.08	-	-

Table 7-59. ISED Antenna 2a 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5250	50	MCS0	12.93	23.98	-11.05	0.20	13.13	23.01	-9.88

Table 7-60. ISED Antenna 2a 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Data Rate	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5250	50	MCS0	12.81	23.98	-11.17	0.20	13.01	23.01	-10.00

Table 7-61. ISED Antenna 2a 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 53 of 255

7.4.7 FCC CDD Primary Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5180	36	CDD	6Mbps	16.62	16.75	19.70	23.98	-4.28
	5200	40	CDD	18Mbps	18.12	18.22	21.18	23.98	-2.80
	5240	48	CDD	6Mbps	18.11	18.13	21.13	23.98	-2.85
	5260	52	CDD	6Mbps	18.09	18.02	21.07	23.98	-2.91
	5300	60	CDD	6Mbps	18.07	17.82	20.96	23.98	-3.02
	5320	64	CDD	6Mbps	16.96	16.83	19.91	23.98	-4.07
	5500	100	CDD	6Mbps	15.34	15.25	18.31	23.98	-5.67
	5520	104	CDD	6Mbps	17.34	17.49	20.42	23.98	-3.56
	5540	108	CDD	6Mbps	18.05	17.97	21.02	23.98	-2.96
	5580	116	CDD	18Mbps	17.96	18.19	21.09	23.98	-2.89
	5660	132	CDD	6Mbps	18.03	18.09	21.07	23.98	-2.91
	5680	136	CDD	18Mbps	18.16	18.08	21.13	23.98	-2.85
	5700	140	CDD	6Mbps	15.11	15.32	18.23	23.98	-5.75
	5720	144	CDD	6Mbps	17.89	18.09	21.00	23.98	-2.98
	5745	149	CDD	18Mbps	18.32	18.47	21.41	30.00	-8.59
	5785	157	CDD	6Mbps	18.34	18.48	21.42	30.00	-8.58
	5825	165	CDD	18Mbps	18.47	18.37	21.43	30.00	-8.57

Table 7-62. FCC CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5180	36	CDD	MCS0	16.61	16.74	19.68	23.98	-4.30
	5200	40	CDD	MCS3	18.11	18.25	21.19	23.98	-2.79
	5240	48	CDD	MCS3	18.08	17.99	21.05	23.98	-2.93
	5260	52	CDD	MCS0	18.14	18.04	21.10	23.98	-2.88
	5300	60	CDD	MCS0	18.13	18.05	21.10	23.98	-2.88
	5320	64	CDD	MCS0	16.94	16.84	19.90	23.98	-4.08
	5500	100	CDD	MCS0	15.40	15.30	18.36	23.98	-5.62
	5520	104	CDD	MCS3	17.45	17.40	20.43	23.98	-3.55
	5540	108	CDD	MCS3	17.90	18.10	21.01	23.98	-2.97
	5580	116	CDD	MCS3	18.08	18.13	21.11	23.98	-2.87
	5660	132	CDD	MCS3	18.16	18.02	21.10	23.98	-2.88
	5680	136	CDD	MCS0	17.90	18.08	21.00	23.98	-2.98
	5700	140	CDD	MCS0	15.38	15.36	18.38	23.98	-5.60
	5720	144	CDD	MCS0	18.13	18.04	21.09	23.98	-2.89
	5745	149	CDD	MCS3	18.38	18.28	21.34	30.00	-8.66
	5785	157	CDD	MCS3	18.42	18.33	21.39	30.00	-8.61
	5825	165	CDD	MCS3	18.43	18.39	21.42	30.00	-8.58

Table 7-63. FCC CDD Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5180	36	CDD	MCS0	16.29	16.28	19.29	23.98	-4.69
	5200	40	CDD	MCS0	18.34	18.34	21.35	23.98	-2.63
	5240	48	CDD	MCS3	18.20	18.04	21.13	23.98	-2.85
	5260	52	CDD	MCS0	18.09	18.26	21.19	23.98	-2.79
	5300	60	CDD	MCS0	18.34	18.34	21.35	23.98	-2.63
	5320	64	CDD	MCS0	16.83	16.81	19.83	23.98	-4.15
	5500	100	CDD	MCS0	15.14	15.04	18.10	23.98	-5.88
	5520	104	CDD	MCS0	16.84	16.98	19.92	23.98	-4.06
	5540	108	CDD	MCS0	18.27	18.20	21.24	23.98	-2.74
	5580	116	CDD	MCS3	18.09	17.91	21.01	23.98	-2.97
	5660	132	CDD	MCS0	18.20	18.06	21.14	23.98	-2.84
	5680	136	CDD	MCS0	17.42	17.28	20.36	23.98	-3.62
	5700	140	CDD	MCS3	14.80	15.00	17.91	23.98	-6.07
	5720	144	CDD	MCS0	18.34	18.29	21.33	23.98	-2.65
	5745	149	CDD	MCS0	18.41	18.42	21.43	30.00	-8.57
	5785	157	CDD	MCS0	18.46	18.43	21.46	30.00	-8.54
	5825	165	CDD	MCS0	18.46	18.50	21.49	30.00	-8.51

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

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 54 of 255

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5190	38	CDD	MCS0	14.46	14.48	17.48	23.98	-6.50
	5230	46	CDD	MCS0	18.49	18.37	21.44	23.98	-2.54
	5270	54	CDD	MCS0	18.35	18.31	21.34	23.98	-2.64
	5310	62	CDD	MCS0	15.41	15.10	18.27	23.98	-5.71
	5510	102	CDD	MCS3	13.74	13.41	16.59	23.98	-7.39
	5550	110	CDD	MCS0	18.40	18.39	21.40	23.98	-2.58
	5590	118	CDD	MCS0	18.48	18.23	21.37	23.98	-2.61
	5630	126	CDD	MCS3	18.37	18.36	21.38	23.98	-2.60
	5670	134	CDD	MCS0	18.34	18.15	21.25	23.98	-2.73
	5710	142	CDD	MCS0	18.42	18.23	21.34	23.98	-2.64
	5755	151	CDD	MCS3	18.35	18.49	21.43	30.00	-8.57
	5795	159	CDD	MCS3	18.44	18.32	21.39	30.00	-8.61

Table 7-65. FCC CDD Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5190	38	CDD	MCS0	13.99	13.72	16.87	23.98	-7.11
	5230	46	CDD	MCS0	18.42	18.40	21.42	23.98	-2.56
	5270	54	CDD	MCS3	18.45	18.38	21.43	23.98	-2.55
	5310	62	CDD	MCS3	14.77	14.91	17.85	23.98	-6.13
	5510	102	CDD	MCS0	13.25	13.37	16.32	23.98	-7.66
	5550	110	CDD	MCS0	17.70	17.79	20.76	23.98	-3.22
	5590	118	CDD	MCS0	18.41	18.27	21.35	23.98	-2.63
	5630	126	CDD	MCS0	18.39	18.39	21.40	23.98	-2.58
	5670	134	CDD	MCS0	17.18	17.29	20.25	23.98	-3.73
	5710	142	CDD	MCS0	18.34	18.47	21.41	23.98	-2.57
	5755	151	CDD	MCS3	18.49	18.49	21.50	30.00	-8.50
	5795	159	CDD	MCS3	18.33	18.35	21.35	30.00	-8.65

Table 7-66. FCC CDD Primary 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5210	42	CDD	MCS0	13.73	13.60	16.68	23.98	-7.30
	5290	58	CDD	MCS0	14.96	15.18	18.08	23.98	-5.90
	5530	106	CDD	MCS0	13.60	13.85	16.74	23.98	-7.24
	5610	122	CDD	MCS3	18.42	18.27	21.35	23.98	-2.63
	5690	138	CDD	MCS0	18.30	18.49	21.40	23.98	-2.58
	5775	155	CDD	MCS0	17.62	17.81	20.73	30.00	-9.27

Table 7-67. FCC CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5210	42	CDD	MCS0	13.55	13.41	16.49	23.98	-7.49
	5290	58	CDD	MCS3	14.28	14.38	17.34	23.98	-6.64
	5530	106	CDD	MCS0	13.90	13.88	16.90	23.98	-7.08
	5610	122	CDD	MCS0	18.30	18.31	21.31	23.98	-2.67
	5690	138	CDD	MCS3	18.40	18.46	21.44	23.98	-2.54
	5775	155	CDD	MCS0	17.47	17.41	20.45	30.00	-9.55

Table 7-68. FCC CDD Primary 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5250	50	CDD	MCS0	12.22	12.30	15.27	23.98	-8.71
	5570	114	CDD	MCS0	12.24	12.30	15.36	23.98	-8.62

Table 7-69. FCC CDD Primary 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna WF5B	Antenna 4a	Summed		
	5250	50	CDD	MCS0	12.29	12.21	15.26	23.98	-8.72
	5570	114	CDD	MCS0	12.50	12.35	15.44	23.98	-8.54

Table 7-70. FCC CDD Primary 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 55 of 255

7.4.8 ISED CDD/SDM Primary Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WFSB	Antenna 4a	Summed						
	5180	36	CDD	18Mbps	14.52	14.61	17.58	-	-	3.40	20.98	23.01	-2.03
	5200	40	CDD	6Mbps	15.19	15.40	18.31	-	-	3.40	21.71	23.01	-1.30
	5240	48	CDD	6Mbps	15.22	15.16	18.20	-	-	3.40	21.60	23.01	-1.41
	5260	52	CDD	6Mbps	18.09	18.02	21.07	23.98	-2.91	3.30	24.37	30.00	-5.63
	5300	60	CDD	6Mbps	18.07	17.82	20.96	23.98	-3.02	3.30	24.26	30.00	-5.74
	5320	64	CDD	6Mbps	16.96	16.83	19.91	23.98	-4.07	3.30	23.21	30.00	-6.79
	5500	100	CDD	6Mbps	15.34	15.25	18.31	23.98	-5.67	2.10	20.41	30.00	-9.59
	5520	104	CDD	6Mbps	17.34	17.49	20.42	23.98	-3.56	2.10	22.52	30.00	-7.48
	5540	108	CDD	6Mbps	18.05	17.97	21.02	23.98	-2.96	2.10	23.12	30.00	-6.88
	5580	116	CDD	18Mbps	17.96	18.19	21.09	23.98	-2.89	2.10	23.19	30.00	-6.81
	5660	132	CDD	6Mbps	18.03	18.09	21.07	23.98	-2.91	2.10	23.17	30.00	-6.83
	5680	136	CDD	18Mbps	18.16	18.08	21.13	23.98	-2.85	2.10	23.23	30.00	-6.77
	5700	140	CDD	6Mbps	15.11	15.32	18.23	23.98	-5.75	2.10	20.33	30.00	-9.67
	5720	144	CDD	6Mbps	17.89	18.09	21.00	23.98	-2.98	2.10	23.10	30.00	-6.90
	5745	149	CDD	18Mbps	18.32	18.47	21.41	30.00	-8.59	0.60	22.01	-	-
	5785	157	CDD	6Mbps	18.34	18.48	21.42	30.00	-8.58	0.60	22.02	-	-
	5825	165	CDD	18Mbps	18.47	18.37	21.43	30.00	-8.57	0.60	22.03	-	-

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

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WFSB	Antenna 4a	Summed						
	5180	36	SDM	MCS3	14.45	14.50	17.48	-	-	1.76	19.24	23.01	-3.77
	5200	40	SDM	MCS3	15.35	15.37	18.37	-	-	1.76	20.13	23.01	-2.88
	5240	48	SDM	MCS3	15.14	15.12	18.14	-	-	1.76	19.90	23.01	-3.11
	5260	52	CDD	MCS0	18.14	18.04	21.10	23.98	-2.88	3.30	24.40	30.00	-5.60
	5300	60	CDD	MCS0	18.13	18.05	21.10	23.98	-2.88	3.30	24.40	30.00	-5.60
	5320	64	CDD	MCS0	16.94	16.84	19.90	23.98	-4.08	3.30	23.20	30.00	-6.80
	5500	100	CDD	MCS0	15.40	15.30	18.36	23.98	-5.62	2.10	20.46	30.00	-9.54
	5520	104	CDD	MCS3	17.45	17.40	20.43	23.98	-3.55	2.10	22.53	30.00	-7.47
	5540	108	CDD	MCS3	17.90	18.10	21.01	23.98	-2.97	2.10	23.11	30.00	-6.89
	5580	116	CDD	MCS3	18.08	18.13	21.11	23.98	-2.87	2.10	23.21	30.00	-6.79
	5660	132	CDD	MCS3	18.16	18.02	21.10	23.98	-2.88	2.10	23.20	30.00	-6.80
	5680	136	CDD	MCS0	17.90	18.08	21.00	23.98	-2.98	2.10	23.10	30.00	-6.90
	5700	140	CDD	MCS0	15.38	15.36	18.38	23.98	-5.60	2.10	20.48	30.00	-9.52
	5720	144	CDD	MCS0	18.13	18.04	21.09	23.98	-2.89	2.10	23.19	30.00	-6.81
	5745	149	CDD	MCS3	18.38	18.28	21.34	30.00	-8.66	0.60	21.94	-	-
	5785	157	CDD	MCS3	18.42	18.33	21.39	30.00	-8.61	0.60	21.99	-	-
	5825	165	CDD	MCS3	18.43	18.39	21.42	30.00	-8.58	0.60	22.02	-	-

Table 7-72. ISED CDD/SDM Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WFSB	Antenna 4a	Summed						
	5180	36	SDM	MCS0	14.76	14.66	17.72	-	-	1.76	19.48	23.01	-3.53
	5200	40	SDM	MCS3	15.50	15.51	18.52	-	-	1.76	20.28	23.01	-2.73
	5240	48	SDM	MCS0	15.20	15.37	18.30	-	-	1.76	20.06	23.01	-2.95
	5260	52	CDD	MCS0	18.09	18.26	21.19	23.98	-2.79	3.30	24.49	30.00	-5.51
	5300	60	CDD	MCS0	18.34	18.34	21.35	23.98	-2.63	3.30	24.65	30.00	-5.35
	5320	64	CDD	MCS0	16.83	16.81	19.83	23.98	-4.15	3.30	23.13	30.00	-6.87
	5500	100	CDD	MCS0	15.14	15.04	18.10	23.98	-5.88	2.10	20.20	30.00	-9.80
	5520	104	CDD	MCS0	16.84	16.98	19.92	23.98	-4.06	2.10	22.02	30.00	-7.98
	5540	108	CDD	MCS0	18.27	18.20	21.24	23.98	-2.74	2.10	23.34	30.00	-6.66
	5580	116	CDD	MCS3	18.09	17.91	21.01	23.98	-2.97	2.10	23.11	30.00	-6.89
	5660	132	CDD	MCS0	18.20	18.06	21.14	23.98	-2.84	2.10	23.24	30.00	-6.76
	5680	136	CDD	MCS0	17.42	17.28	20.36	23.98	-3.62	2.10	22.46	30.00	-7.54
	5700	140	CDD	MCS3	14.80	15.00	17.91	23.98	-6.07	2.10	20.01	30.00	-9.99
	5720	144	CDD	MCS0	18.34	18.29	21.33	23.98	-2.65	2.10	23.43	30.00	-6.57
	5745	149	CDD	MCS0	18.41	18.42	21.43	30.00	-8.57	0.60	22.03	-	-
	5785	157	CDD	MCS0	18.46	18.43	21.46	30.00	-8.54	0.60	22.06	-	-
	5825	165	CDD	MCS0	18.46	18.50	21.49	30.00	-8.51	0.60	22.09	-	-

Table 7-73. ISED CDD/SDM Primary 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WFSB	Antenna 4a	Summed						
	5190	38	CDD	MCS0	14.31	14.34	17.33	-	-	3.40	20.73	23.01	-2.28
	5230	46	SDM	MCS0	17.07	16.99	20.04	-	-	1.76	21.80	23.01	-1.21
	5270	54	CDD	MCS0	18.35	18.31	21.34	23.98	-2.64	3.30	24.64	30.00	-5.36
	5310	62	CDD	MCS0	15.41	15.10	18.27	23.98	-5.71	3.30	21.57	30.00	-8.43
	5510	102	CDD	MCS3	13.74	13.41	16.69	23.98	-7.39	2.10	18.69	30.00	-11.31
	5550	110	CDD	MCS0	18.40	18.39	21.40	23.98	-2.58	2.10	23.50	30.00	-6.50
	5670	134	CDD	MCS0	18.34	18.15	21.25	23.98	-2.73	2.10	23.35	30.00	-6.65
	5710	142	CDD	MCS0	18.42	18.23	21.34	23.98	-2.64	2.10	23.44	30.00	-6.56
	5755	151	CDD	MCS3	18.35	18.49	21.43	30.00	-8.57	0.60	22.03	-	-
	5795	159	CDD	MCS3	18.44	18.32	21.39	30.00	-8.61	0.60	21.99	-	-

Table 7-74. ISED CDD/SDM Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 56 of 255

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed						
	5190	38	CDD	MCS0	13.68	13.76	16.73	-	-	3.40	20.13	23.01	-2.88
	5230	46	SDM	MCS3	16.97	17.17	20.08	-	-	1.76	21.84	23.01	-1.17
	5270	54	CDD	MCS3	18.45	18.38	21.43	23.98	-2.55	3.30	24.73	30.00	-5.27
	5310	62	CDD	MCS3	14.77	14.91	17.85	23.98	-6.13	3.30	21.15	30.00	-8.85
	5510	102	CDD	MCS0	13.25	13.37	16.32	23.98	-7.66	2.10	18.42	30.00	-11.58
	5550	110	CDD	MCS0	17.70	17.79	20.76	23.98	-3.22	2.10	22.86	30.00	-7.14
	5670	134	CDD	MCS0	17.18	17.29	20.25	23.98	-3.73	2.10	22.35	30.00	-7.65
	5710	142	CDD	MCS0	18.34	18.47	21.41	23.98	-2.57	2.10	23.51	30.00	-6.49
	5755	151	CDD	MCS3	18.49	18.49	21.50	30.00	-8.50	0.60	22.10	-	-
	5795	159	CDD	MCS3	18.33	18.35	21.35	30.00	-8.65	0.60	21.95	-	-

Table 7-75. ISED CDD/SDM Primary 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed						
	5210	42	CDD	MCS0	13.77	13.59	16.69	-	-	3.40	20.09	23.01	-2.92
	5290	58	CDD	MCS0	14.96	15.18	18.08	23.98	-5.90	3.30	21.38	30.00	-8.62
	5530	106	CDD	MCS0	13.60	13.85	16.74	23.98	-7.24	2.10	18.84	30.00	-11.16
	5690	138	CDD	MCS0	18.30	18.49	21.40	23.98	-2.58	2.10	23.50	30.00	-6.50
	5775	155	CDD	MCS0	17.62	17.81	20.73	30.00	-9.27	0.60	21.33	-	-

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

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed						
	5210	42	CDD	MCS0	13.69	13.72	16.71	-	-	3.40	20.11	23.01	-2.90
	5290	58	CDD	MCS3	14.28	14.38	17.34	23.98	-6.64	3.30	20.64	30.00	-9.36
	5530	106	CDD	MCS0	13.90	13.88	16.90	23.98	-7.08	2.10	19.00	30.00	-11.00
	5690	138	CDD	MCS3	18.40	18.46	21.44	23.98	-2.54	2.10	23.54	30.00	-6.46
	5775	155	CDD	MCS0	17.47	17.41	20.45	30.00	-9.55	0.60	21.05	-	-

Table 7-77. ISED CDD Primary 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed						
	5250	50	CDD	MCS0	12.43	12.14	15.30	23.98	-8.68	3.40	18.70	23.01	-4.31

Table 7-78. ISED CDD Primary 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed						
	5250	50	CDD	MCS0	12.29	12.21	15.26	23.98	-8.72	3.40	18.66	23.01	-4.35

Table 7-79. ISED CDD Primary 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 57 of 255

7.4.9 FCC CDD Diversity Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5180	36	CDD	6Mbps	16.75	16.78	19.78	23.98	-4.20
	5200	40	CDD	18Mbps	18.22	18.30	21.27	23.98	-2.71
	5240	48	CDD	6Mbps	18.13	18.09	21.12	23.98	-2.86
	5260	52	CDD	6Mbps	18.02	18.15	21.09	23.98	-2.89
	5300	60	CDD	18Mbps	17.92	18.10	21.02	23.98	-2.96
	5320	64	CDD	6Mbps	16.83	16.87	19.86	23.98	-4.12
	5500	100	CDD	6Mbps	15.25	15.41	18.34	23.98	-5.64
	5520	104	CDD	18Mbps	17.31	17.45	20.39	23.98	-3.59
	5540	108	CDD	18Mbps	18.10	17.83	20.97	23.98	-3.01
	5580	116	CDD	18Mbps	18.19	18.09	21.15	23.98	-2.83
	5660	132	CDD	18Mbps	18.15	17.99	21.08	23.98	-2.90
	5680	136	CDD	6Mbps	18.05	18.13	21.10	23.98	-2.88
	5700	140	CDD	6Mbps	15.32	15.31	18.33	23.98	-5.65
	5720	144	CDD	6Mbps	18.09	18.06	21.08	23.98	-2.90
	5745	149	CDD	18Mbps	18.47	18.48	21.49	30.00	-8.51
	5785	157	CDD	6Mbps	18.48	18.34	21.42	30.00	-8.58
	5825	165	CDD	18Mbps	18.32	18.50	21.42	30.00	-8.58

Table 7-80. FCC CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5180	36	CDD	MCS0	16.74	16.76	19.76	23.98	-4.22
	5200	40	CDD	MCS3	18.25	18.27	21.27	23.98	-2.71
	5240	48	CDD	MCS0	18.02	18.09	21.06	23.98	-2.92
	5260	52	CDD	MCS3	18.19	18.04	21.12	23.98	-2.86
	5300	60	CDD	MCS3	17.99	18.16	21.09	23.98	-2.89
	5320	64	CDD	MCS0	16.84	16.86	19.86	23.98	-4.12
	5500	100	CDD	MCS0	15.30	15.38	18.35	23.98	-5.63
	5520	104	CDD	MCS0	17.50	17.19	20.35	23.98	-3.63
	5540	108	CDD	MCS3	18.10	18.04	21.08	23.98	-2.90
	5580	116	CDD	MCS3	18.13	18.16	21.16	23.98	-2.82
	5660	132	CDD	MCS3	18.02	18.19	21.11	23.98	-2.87
	5680	136	CDD	MCS0	18.08	17.83	20.97	23.98	-3.01
	5700	140	CDD	MCS0	15.36	15.30	18.34	23.98	-5.64
	5720	144	CDD	MCS3	18.13	18.17	21.16	23.98	-2.82
	5745	149	CDD	MCS0	18.46	18.25	21.37	30.00	-8.63
	5785	157	CDD	MCS0	18.46	18.34	21.41	30.00	-8.59
	5825	165	CDD	MCS3	18.42	18.41	21.43	30.00	-8.57

Table 7-81. FCC CDD Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5180	36	CDD	MCS0	16.28	16.10	19.20	23.98	-4.78
	5200	40	CDD	MCS0	18.34	18.17	21.27	23.98	-2.71
	5240	48	CDD	MCS3	18.18	18.18	21.19	23.98	-2.79
	5260	52	CDD	MCS0	18.26	18.29	21.28	23.98	-2.70
	5300	60	CDD	MCS3	18.38	18.37	21.39	23.98	-2.59
	5320	64	CDD	MCS0	16.81	16.99	19.91	23.98	-4.07
	5500	100	CDD	MCS0	15.04	14.91	17.98	23.98	-6.00
	5520	104	CDD	MCS3	16.93	16.78	19.87	23.98	-4.11
	5540	108	CDD	MCS3	18.07	18.27	21.18	23.98	-2.80
	5580	116	CDD	MCS3	17.88	18.09	20.99	23.98	-2.99
	5660	132	CDD	MCS0	18.06	18.20	21.14	23.98	-2.84
	5680	136	CDD	MCS3	17.47	17.32	20.40	23.98	-3.58
	5700	140	CDD	MCS3	15.00	14.99	18.00	23.98	-5.98
	5720	144	CDD	MCS0	18.29	18.33	21.32	23.98	-2.66
	5745	149	CDD	MCS0	18.42	18.25	21.35	30.00	-8.65
	5785	157	CDD	MCS0	18.43	18.15	21.30	30.00	-8.70
	5825	165	CDD	MCS0	18.50	18.30	21.41	30.00	-8.59

Table 7-82. FCC CDD Diversity 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 58 of 255

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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5190	38	CDD	MCS0	14.48	14.36	17.43	23.98	-6.55
	5230	46	CDD	MCS3	18.45	18.22	21.34	23.98	-2.64
	5270	54	CDD	MCS0	18.31	18.41	21.37	23.98	-2.61
	5310	62	CDD	MCS0	15.10	15.45	18.29	23.98	-5.69
	5510	102	CDD	MCS3	13.41	13.80	16.62	23.98	-7.36
	5550	110	CDD	MCS0	18.39	18.11	21.26	23.98	-2.72
	5590	118	CDD	MCS3	18.26	18.19	21.24	23.98	-2.74
	5630	126	CDD	MCS3	18.36	18.41	21.40	23.98	-2.58
	5670	134	CDD	MCS0	18.15	18.48	21.33	23.98	-2.65
	5710	142	CDD	MCS3	18.49	18.29	21.40	23.98	-2.58
	5755	151	CDD	MCS3	18.49	18.33	21.42	30.00	-8.58
	5795	159	CDD	MCS3	18.35	18.36	21.36	30.00	-8.64

Table 7-83. FCC CDD Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5190	38	CDD	MCS0	13.72	13.88	16.81	23.98	-7.17
	5230	46	CDD	MCS3	18.44	18.31	21.38	23.98	-2.60
	5270	54	CDD	MCS3	18.38	18.32	21.36	23.98	-2.62
	5310	62	CDD	MCS3	14.91	14.94	17.93	23.98	-6.05
	5510	102	CDD	MCS0	13.37	13.42	16.41	23.98	-7.57
	5550	110	CDD	MCS0	17.79	17.49	20.65	23.98	-3.33
	5590	118	CDD	MCS3	18.32	18.47	21.41	23.98	-2.57
	5630	126	CDD	MCS0	18.39	18.39	21.40	23.98	-2.58
	5670	134	CDD	MCS0	17.29	17.24	20.28	23.98	-3.70
	5710	142	CDD	MCS3	18.29	18.44	21.38	23.98	-2.60
	5755	151	CDD	MCS0	18.49	18.45	21.48	30.00	-8.52
	5795	159	CDD	MCS3	18.32	18.39	21.36	30.00	-8.64

Table 7-84. FCC CDD Diversity 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5210	42	CDD	MCS0	13.60	13.74	16.68	23.98	-7.30
	5290	58	CDD	MCS0	15.18	14.93	18.07	23.98	-5.91
	5530	106	CDD	MCS0	13.85	13.64	16.76	23.98	-7.22
	5610	122	CDD	MCS3	18.27	18.34	21.31	23.98	-2.67
	5690	138	CDD	MCS0	18.49	18.46	21.48	23.98	-2.50
	5775	155	CDD	MCS0	17.81	17.89	20.86	30.00	-9.14

Table 7-85. FCC CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5210	42	CDD	MCS0	13.41	13.58	16.51	23.98	-7.47
	5290	58	CDD	MCS0	14.45	14.26	17.37	23.98	-6.61
	5530	106	CDD	MCS0	13.88	13.62	16.76	23.98	-7.22
	5610	122	CDD	MCS0	18.31	18.48	21.41	23.98	-2.57
	5690	138	CDD	MCS0	18.34	18.41	21.38	23.98	-2.60
	5775	155	CDD	MCS0	17.41	17.33	20.38	30.00	-9.62

Table 7-86. FCC CDD Diversity 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5250	50	CDD	MCS0	12.30	12.37	15.34	23.98	-8.64
	5570	114	CDD	MCS0	12.30	12.39	15.36	23.98	-8.62

Table 7-87. FCC CDD Diversity 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					Antenna 4a	Antenna 2a	Summed		
	5250	50	CDD	MCS0	12.21	12.33	15.28	23.98	-8.70
	5570	114	CDD	MCS0	12.35	12.37	15.37	23.98	-8.61

Table 7-88. FCC CDD Diversity 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 59 of 255

7.4.10 ISED CDD/SDM Diversity Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5180	36	CDD	18Mbps	14.61	14.62	17.62	-	-	-0.90	16.72	23.01	-6.29
	5200	40	CDD	6Mbps	15.40	15.02	18.22	-	-	-0.90	17.32	23.01	-5.69
	5240	48	CDD	6Mbps	15.16	15.18	18.18	-	-	-0.90	17.28	23.01	-5.73
	5260	52	CDD	6Mbps	18.02	18.15	21.09	23.98	-2.89	0.20	21.29	30.00	-8.71
	5300	60	CDD	18Mbps	17.92	18.10	21.02	23.98	-2.96	0.20	21.22	30.00	-8.78
	5320	64	CDD	6Mbps	16.83	16.87	19.86	23.98	-4.12	0.20	20.06	30.00	-9.94
	5500	100	CDD	6Mbps	15.25	15.41	18.34	23.98	-5.64	0.70	19.04	30.00	-10.96
	5520	104	CDD	18Mbps	17.31	17.45	20.39	23.98	-3.59	0.70	21.09	30.00	-8.91
	5540	108	CDD	18Mbps	18.10	17.83	20.97	23.98	-3.01	0.70	21.67	30.00	-8.33
	5580	116	CDD	18Mbps	18.19	18.09	21.15	23.98	-2.83	0.70	21.85	30.00	-8.15
	5660	132	CDD	18Mbps	18.15	17.99	21.08	23.98	-2.90	0.70	21.78	30.00	-8.22
	5680	136	CDD	6Mbps	18.05	18.13	21.10	23.98	-2.88	0.70	21.80	30.00	-8.20
	5700	140	CDD	6Mbps	15.32	15.31	18.33	23.98	-5.65	0.70	19.03	30.00	-10.97
	5720	144	CDD	6Mbps	18.09	18.06	21.08	23.98	-2.90	0.70	21.78	30.00	-8.22
	5745	149	CDD	18Mbps	18.47	18.48	21.49	30.00	-8.51	0.10	21.59	-	-
	5785	157	CDD	6Mbps	18.48	18.34	21.42	30.00	-8.58	0.10	21.52	-	-
	5825	165	CDD	18Mbps	18.32	18.50	21.42	30.00	-8.58	0.10	21.52	-	-

Table 7-89. ISED CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5180	36	SDM	MCS3	14.45	14.69	17.58	-	-	-1.00	16.58	23.01	-6.43
	5200	40	SDM	MCS3	15.28	15.34	18.32	-	-	-1.00	17.32	23.01	-5.69
	5240	48	SDM	MCS3	15.18	15.25	18.22	-	-	-1.00	17.22	23.01	-5.79
	5260	52	CDD	MCS3	18.19	18.04	21.12	23.98	-2.86	0.20	21.32	30.00	-8.68
	5300	60	CDD	MCS3	17.99	18.16	21.09	23.98	-2.89	0.20	21.29	30.00	-8.71
	5320	64	CDD	MCS0	16.84	16.86	19.86	23.98	-4.12	0.20	20.06	30.00	-9.94
	5500	100	CDD	MCS0	15.30	15.38	18.35	23.98	-5.63	0.70	19.05	30.00	-10.95
	5520	104	CDD	MCS0	17.50	17.19	20.35	23.98	-3.63	0.70	21.05	30.00	-8.95
	5540	108	CDD	MCS3	18.10	18.04	21.08	23.98	-2.90	0.70	21.78	30.00	-8.22
	5580	116	CDD	MCS3	18.13	18.16	21.16	23.98	-2.82	0.70	21.86	30.00	-8.14
	5660	132	CDD	MCS3	18.02	18.19	21.11	23.98	-2.87	0.70	21.81	30.00	-8.19
	5680	136	CDD	MCS0	18.08	17.83	20.97	23.98	-3.01	0.70	21.67	30.00	-8.33
	5700	140	CDD	MCS0	15.36	15.30	18.34	23.98	-5.64	0.70	19.04	30.00	-10.96
	5720	144	CDD	MCS3	18.13	18.17	21.16	23.98	-2.82	0.70	21.86	30.00	-8.14
	5745	149	CDD	MCS0	18.46	18.25	21.37	30.00	-8.63	0.10	21.47	-	-
	5785	157	CDD	MCS0	18.46	18.34	21.41	30.00	-8.59	0.10	21.51	-	-
	5825	165	CDD	MCS3	18.42	18.41	21.43	30.00	-8.57	0.10	21.53	-	-

Table 7-90. ISED CDD/SDM Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5180	36	SDM	MCS3	14.80	14.77	17.79	-	-	-1.00	16.79	23.01	-6.22
	5200	40	SDM	MCS3	15.51	15.52	18.53	-	-	-1.00	17.53	23.01	-5.48
	5240	48	SDM	MCS0	15.37	15.14	18.27	-	-	-1.00	17.27	23.01	-5.74
	5260	52	CDD	MCS0	18.26	18.29	21.28	23.98	-2.70	0.20	21.48	30.00	-8.52
	5300	60	CDD	MCS3	18.38	18.37	21.39	23.98	-2.59	0.20	21.59	30.00	-8.41
	5320	64	CDD	MCS0	16.81	16.99	19.91	23.98	-4.07	0.20	20.11	30.00	-9.89
	5500	100	CDD	MCS0	15.04	14.91	17.98	23.98	-6.00	0.70	18.68	30.00	-11.32
	5520	104	CDD	MCS3	16.93	16.78	19.87	23.98	-4.11	0.70	20.57	30.00	-9.43
	5540	108	CDD	MCS3	18.07	18.27	21.18	23.98	-2.80	0.70	21.88	30.00	-8.12
	5580	116	CDD	MCS3	17.88	18.09	20.99	23.98	-2.99	0.70	21.69	30.00	-8.31
	5660	132	CDD	MCS0	18.06	18.20	21.14	23.98	-2.84	0.70	21.84	30.00	-8.16
	5680	136	CDD	MCS3	17.47	17.32	20.40	23.98	-3.58	0.70	21.10	30.00	-8.90
	5700	140	CDD	MCS3	15.00	14.99	18.00	23.98	-5.98	0.70	18.70	30.00	-11.30
	5720	144	CDD	MCS0	18.29	18.33	21.32	23.98	-2.66	0.70	22.02	30.00	-7.98
	5745	149	CDD	MCS0	18.42	18.25	21.35	30.00	-8.65	0.10	21.45	-	-
	5785	157	CDD	MCS0	18.43	18.15	21.30	30.00	-8.70	0.10	21.40	-	-
	5825	165	CDD	MCS0	18.50	18.30	21.41	30.00	-8.59	0.10	21.51	-	-

Table 7-91. ISED CDD/SDM Diversity 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5190	38	CDD	MCS0	14.34	14.47	17.41	-	-	-0.90	16.51	23.01	-6.50
	5230	46	SDM	MCS3	16.84	17.15	20.01	-	-	-1.00	19.01	23.01	-4.00
	5270	54	CDD	MCS0	18.31	18.41	21.37	23.98	-2.61	0.20	21.57	30.00	-8.43
	5310	62	CDD	MCS0	15.10	15.45	18.29	23.98	-5.69	0.20	18.49	30.00	-11.51
	5510	102	CDD	MCS3	13.41	13.80	16.62	23.98	-7.36	0.70	17.32	30.00	-12.68
	5550	110	CDD	MCS0	18.39	18.11	21.26	23.98	-2.72	0.70	21.96	30.00	-8.04
	5670	134	CDD	MCS0	18.15	18.48	21.33	23.98	-2.65	0.70	22.03	30.00	-7.97
	5710	142	CDD	MCS3	18.49	18.29	21.40	23.98	-2.58	0.70	22.10	30.00	-7.90
	5755	151	CDD	MCS3	18.49	18.33	21.42	30.00	-8.58	0.10	21.52	-	-
	5795	159	CDD	MCS3	18.35	18.36	21.36	30.00	-8.64	0.10	21.46	-	-

Table 7-92. ISED CDD/SDM Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5190	38	CDD	MCS0	13.76	13.62	16.70	-	-	-0.90	15.80	23.01	-7.21
	5230	46	SDM	MCS3	17.17	16.83	20.02	-	-	-1.00	19.02	23.01	-3.99
	5270	54	CDD	MCS3	18.38	18.32	21.36	23.98	-2.62	0.20	21.56	30.00	-8.44
	5310	62	CDD	MCS3	14.91	14.94	17.93	23.98	-6.05	0.20	18.13	30.00	-11.87
	5510	102	CDD	MCS0	13.37	13.42	16.41	23.98	-7.57	0.70	17.11	30.00	-12.89
	5550	110	CDD	MCS0	17.79	17.49	20.65	23.98	-3.33	0.70	21.35	30.00	-8.65
	5670	134	CDD	MCS0	17.29	17.24	20.28	23.98	-3.70	0.70	20.98	30.00	-9.02
	5710	142	CDD	MCS3	18.29	18.44	21.38	23.98	-2.60	0.70	22.08	30.00	-7.92
	5755	151	CDD	MCS0	18.49	18.45	21.48	30.00	-8.52	0.10	21.58	-	-
	5795	159	CDD	MCS3	18.32	18.39	21.36	30.00	-8.64	0.10	21.46	-	-

Table 7-93. ISED CDD/SDM Diversity 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5210	42	CDD	MCS0	13.59	13.79	16.70	-	-	-0.90	15.80	23.01	-7.21
	5290	58	CDD	MCS0	15.18	14.93	18.07	23.98	-5.91	0.20	18.27	30.00	-11.73
	5530	106	CDD	MCS0	13.85	13.64	16.76	23.98	-7.22	0.70	17.46	30.00	-12.54
	5690	138	CDD	MCS0	18.49	18.46	21.48	23.98	-2.50	0.70	22.18	30.00	-7.82
	5775	155	CDD	MCS0	17.81	17.89	20.86	30.00	-9.14	0.10	20.96	-	-

Table 7-94. ISED CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5210	42	CDD	MCS0	13.72	13.43	16.59	-	-	-0.90	15.69	23.01	-7.32
	5290	58	CDD	MCS0	14.45	14.26	17.37	23.98	-6.61	0.20	17.57	30.00	-12.43
	5530	106	CDD	MCS0	13.88	13.62	16.76	23.98	-7.22	0.70	17.46	30.00	-12.54
	5690	138	CDD	MCS0	18.34	18.41	21.38	23.98	-2.60	0.70	22.08	30.00	-7.92
	5775	155	CDD	MCS0	17.41	17.33	20.38	30.00	-9.62	0.10	20.48	-	-

Table 7-95. ISED CDD Diversity 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5250	50	CDD	MCS0	12.14	12.45	15.30	23.98	-8.68	0.20	15.50	23.01	-7.51

Table 7-96. ISED CDD Diversity 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed						
	5250	50	CDD	MCS0	12.21	12.33	15.28	23.98	-8.70	0.20	15.48	23.01	-7.53

Table 7-97. ISED CDD Diversity 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			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 WF5B and Antenna 4a 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 WF5B and 14.5 dBm for Antenna 4a.

$$\text{Antenna WF5B} + \text{Antenna 4a} = \text{CDD/SDM}$$

$$(14.45 \text{ dBm} + 14.50 \text{ dBm}) = (27.861 \text{ mW} + 28.184 \text{ mW}) = 56.045 \text{ mW} = 17.48 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 17.48 dBm with directional gain of 1.76 dBi.

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

$$17.48 \text{ dBm} + 1.76 \text{ dBi} = 19.24 \text{ dBm}$$

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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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 $\geq$ 3MHz for U-NII 1, U-NII 2A, U-NII 2C; $\geq 3 \times$ RBW for U-NII 3
5. Number of sweep points $\geq 2 \times$ (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

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



Figure 7-4. Test Instrument & Measurement Setup

Test Notes

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

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7.5.1 Antenna WF5B Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	6Mbps	5.00	11.00	-6.01
	5200	40	a	6Mbps	5.36	11.00	-5.64
	5240	48	a	36Mbps	6.25	11.00	-4.75
	5180	36	n (20MHz)	MCS0	5.00	11.00	-6.00
	5200	40	n (20MHz)	MCS3	5.35	11.00	-5.65
	5240	48	n (20MHz)	MCS3	6.15	11.00	-4.85
	5180	36	be (SU) (20MHz)	MCS0	4.48	11.00	-6.52
	5200	40	be (SU) (20MHz)	MCS5	5.19	11.00	-5.81
	5240	48	be (SU) (20MHz)	MCS5	6.00	11.00	-5.00
	5190	38	n (40MHz)	MCS0	-0.38	11.00	-11.38
	5230	46	n (40MHz)	MCS0	3.23	11.00	-7.77
	5190	38	be (SU) (40MHz)	MCS0	-1.31	11.00	-12.31
	5230	46	be (SU) (40MHz)	MCS3	3.06	11.00	-7.94
	5210	42	ac (80MHz)	MCS0	-3.90	11.00	-14.90
Band 1/2	5210	42	be (SU) (80MHz)	MCS0	-4.65	11.00	-15.65
	5250	50	ac (160MHz)	MCS0	-8.05	11.00	-19.05
Band 2A	5250	50	be (SU) (160MHz)	MCS0	-7.58	11.00	-18.58
	5260	52	a	18Mbps	6.17	11.00	-4.83
	5300	60	a	36Mbps	5.29	11.00	-5.71
	5320	64	a	6Mbps	4.91	11.00	-6.09
	5260	52	n (20MHz)	MCS3	6.19	11.00	-4.81
	5300	60	n (20MHz)	MCS3	5.16	11.00	-5.84
	5320	64	n (20MHz)	MCS0	4.83	11.00	-6.17
	5260	52	be (SU) (20MHz)	MCS5	6.10	11.00	-4.90
	5300	60	be (SU) (20MHz)	MCS0	4.98	11.00	-6.02
	5320	64	be (SU) (20MHz)	MCS0	4.77	11.00	-6.23
	5270	54	n (40MHz)	MCS5	3.16	11.00	-7.84
	5310	62	n (40MHz)	MCS0	0.34	11.00	-10.66
	5270	54	be (SU) (40MHz)	MCS3	3.24	11.00	-7.76
	5310	62	be (SU) (40MHz)	MCS0	-0.47	11.00	-11.47
	5290	58	ac (80MHz)	MCS0	-3.02	11.00	-14.02
	5290	58	be (SU) (80MHz)	MCS0	-4.05	11.00	-15.05
Band 2C	5500	100	a	6Mbps	5.14	11.00	-5.86
	5580	116	a	6Mbps	6.08	11.00	-4.92
	5720	144	a	36Mbps	5.88	11.00	-5.12
	5500	100	n (20MHz)	MCS0	5.17	11.00	-5.83
	5580	116	n (20MHz)	MCS5	6.17	11.00	-4.83
	5720	144	n (20MHz)	MCS5	6.03	11.00	-4.97
	5500	100	be (SU) (20MHz)	MCS0	4.63	11.00	-6.37
	5580	116	be (SU) (20MHz)	MCS0	5.98	11.00	-5.02
	5720	144	be (SU) (20MHz)	MCS0	5.80	11.00	-5.20
	5510	102	n (40MHz)	MCS0	-0.34	11.00	-11.34
	5550	110	n (40MHz)	MCS0	2.66	11.00	-8.35
	*5590	118	n (40MHz)	MCS3	3.18	11.00	-7.83
	5670	134	n (40MHz)	MCS0	2.49	11.00	-8.51
	5710	142	n (40MHz)	MCS3	3.02	11.00	-7.98
	5510	102	be (SU) (40MHz)	MCS0	-1.72	11.00	-12.72
	5550	110	be (SU) (40MHz)	MCS0	1.72	11.00	-9.28
	5710	142	be (SU) (40MHz)	MCS0	2.81	11.00	-8.20
	5530	106	ac (80MHz)	MCS0	-4.27	11.00	-15.27
	*5610	122	ac (80MHz)	MCS0	-0.55	11.00	-11.55
	5690	138	ac (80MHz)	MCS0	-0.21	11.00	-11.21
	5530	106	be (SU) (80MHz)	MCS0	-4.59	11.00	-15.59
	*5610	122	be (SU) (80MHz)	MCS0	-0.56	11.00	-11.56
	5690	138	be (SU) (80MHz)	MCS5	-0.23	11.00	-11.23
	*5570	114	ac (160MHz)	MCS0	-8.63	11.00	-19.63
	*5570	114	be (SU) (160MHz)	MCS0	-8.27	11.00	-19.27

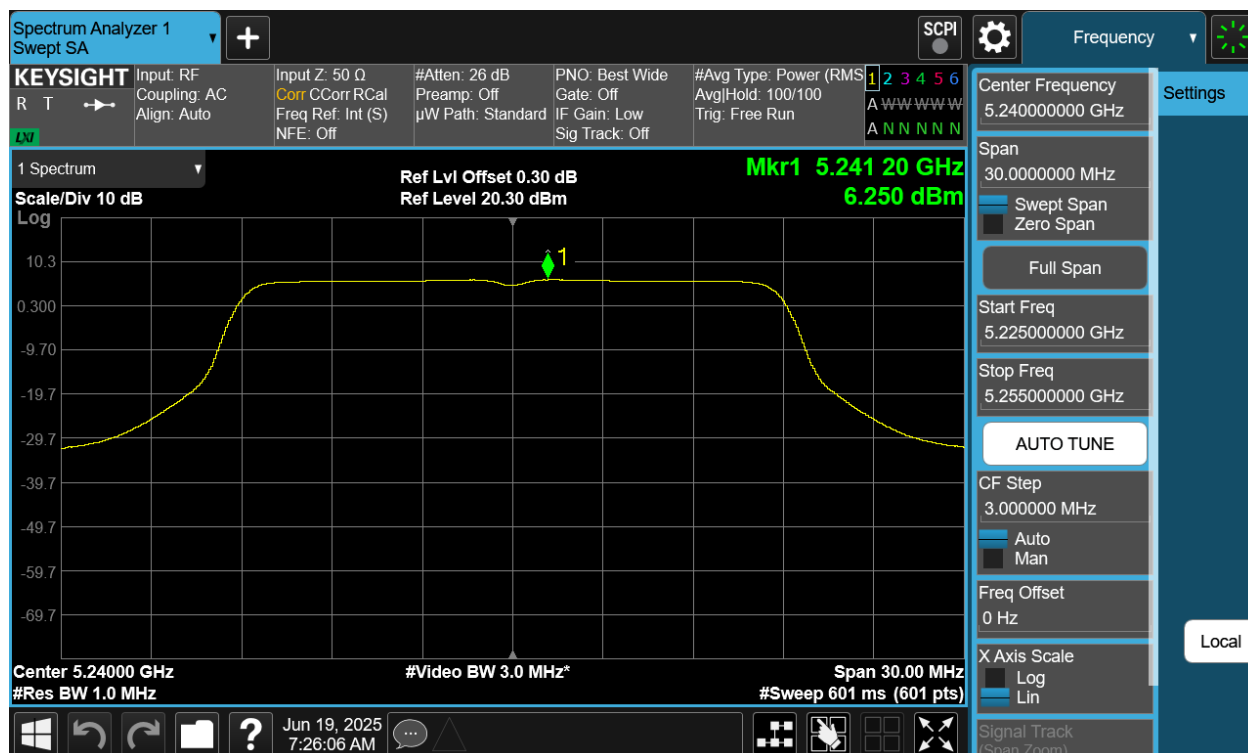
Table 7-98. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF5B

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

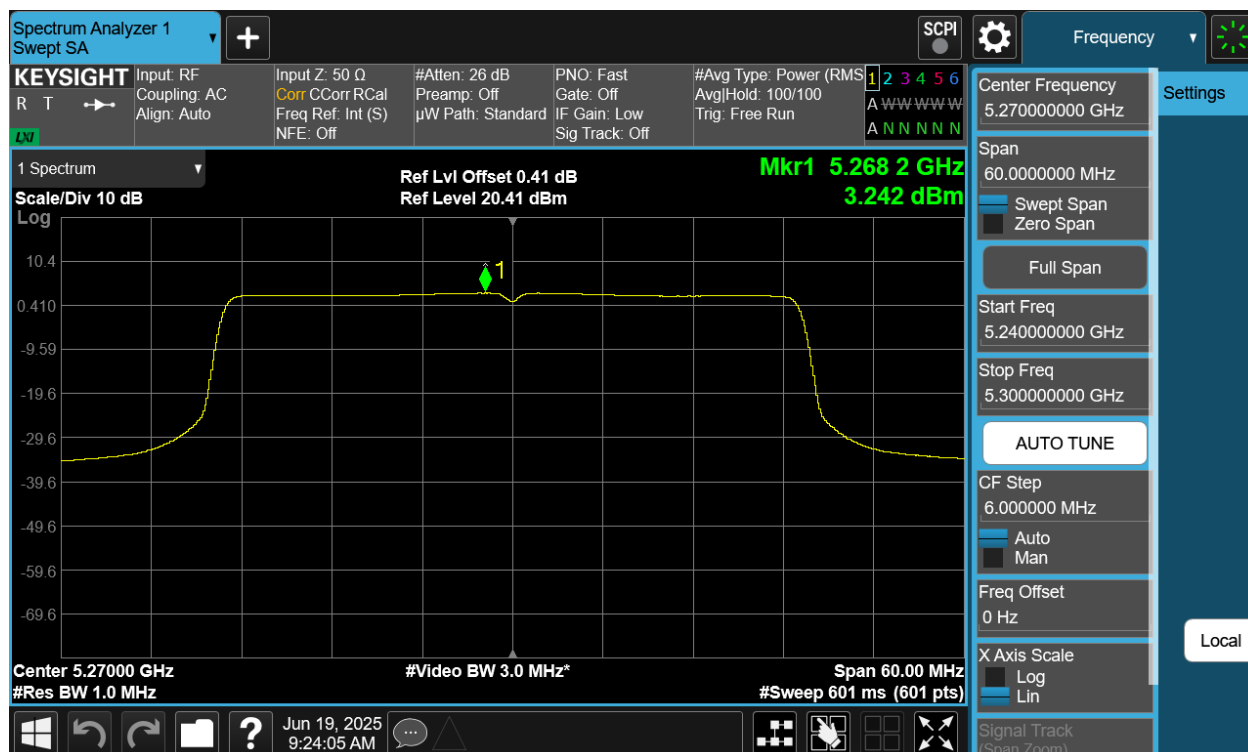
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-22 PSD Antenna WF5B (20MHz BW 802.11a - Ch.48)

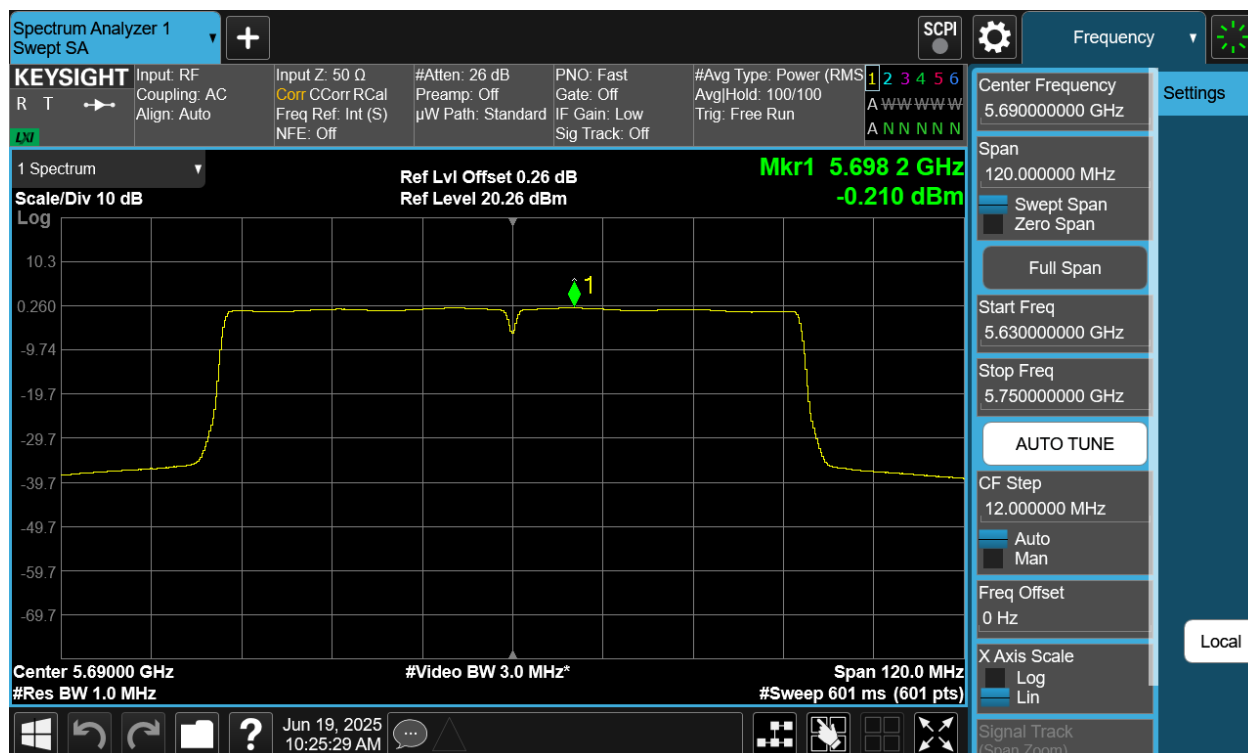


Plot 7-23 PSD Antenna WF5B (40MHz BW 802.11be(SU) - Ch.54)

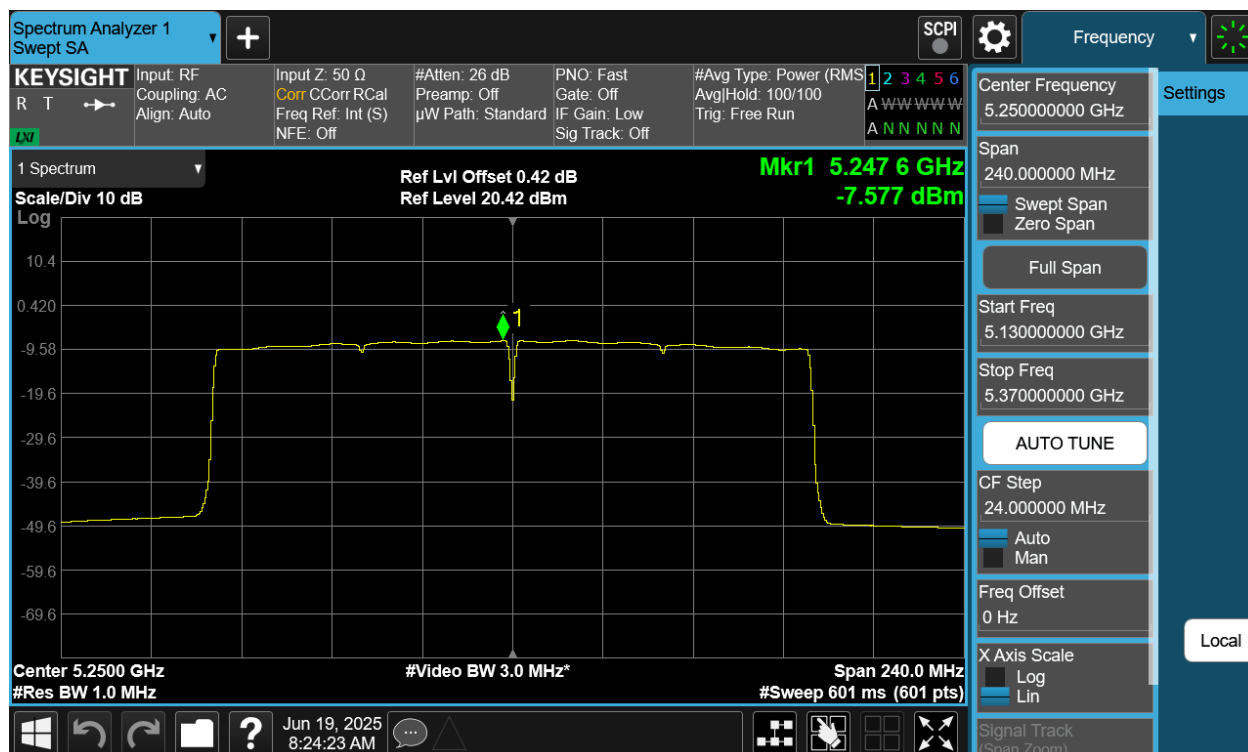
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 65 of 255

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Plot 7-24 PSD Antenna WF5B (80MHz BW 802.11ac - Ch.138)



Plot 7-25 PSD Antenna WF5B (160MHz BW 802.11be(SU) - Ch.50)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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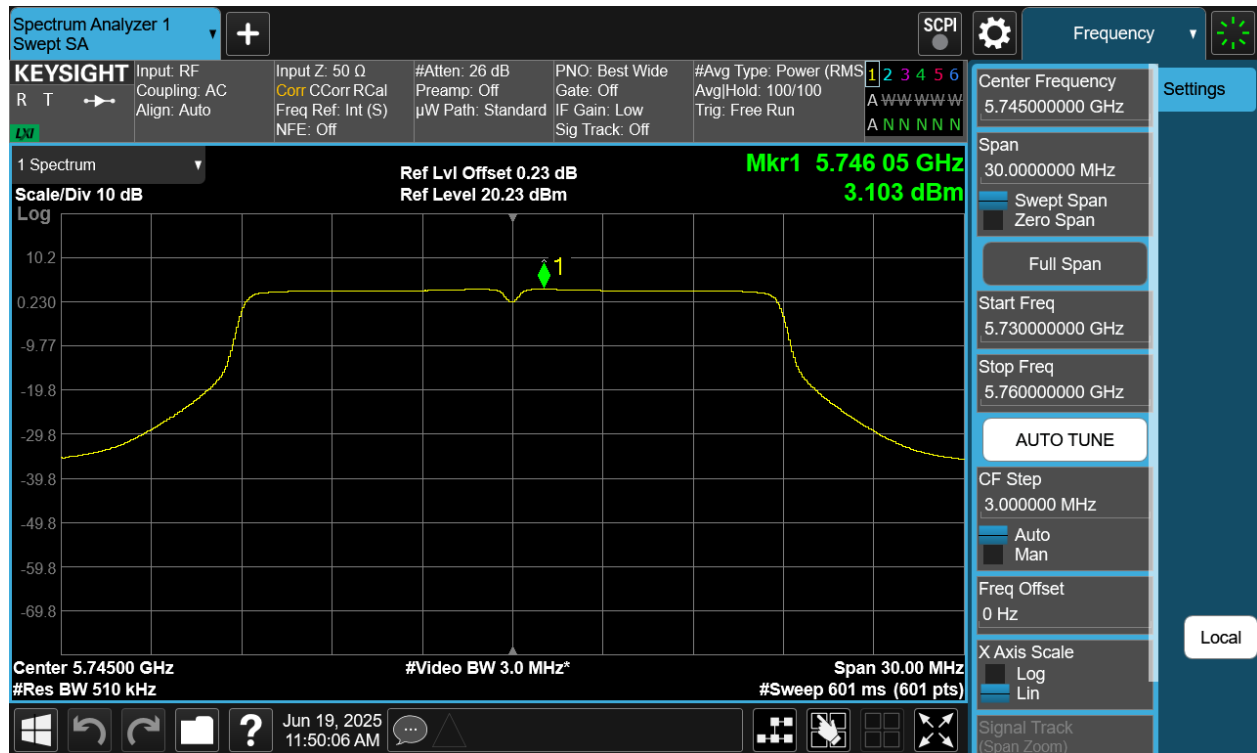
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	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	a	18Mbps	2.94	30.0	-27.1
	5785	157	a	18Mbps	3.01	30.0	-27.0
	5825	165	a	18Mbps	3.06	30.0	-26.9
	5745	149	n (20MHz)	MCS3	3.10	30.0	-26.90
	5785	157	n (20MHz)	MCS5	3.06	30.0	-26.94
	5825	165	n (20MHz)	MCS5	3.07	30.0	-26.93
	5745	149	be (SU) (20MHz)	MCS0	2.80	30.0	-27.20
	5785	157	be (SU) (20MHz)	MCS0	2.87	30.0	-27.13
	5825	165	be (SU) (20MHz)	MCS0	2.84	30.0	-27.16
	5755	151	n (40MHz)	MCS5	-0.06	30.0	-30.06
	5795	159	n (40MHz)	MCS3	0.04	30.0	-29.96
	5755	151	be (SU) (40MHz)	MCS3	-0.04	30.0	-30.04
	5795	159	be (SU) (40MHz)	MCS0	-0.18	30.0	-30.18
	5775	155	ac (80MHz)	MCS0	-4.27	30.0	-34.27
	5775	155	be (SU) (80MHz)	MCS0	-4.86	30.0	-34.86

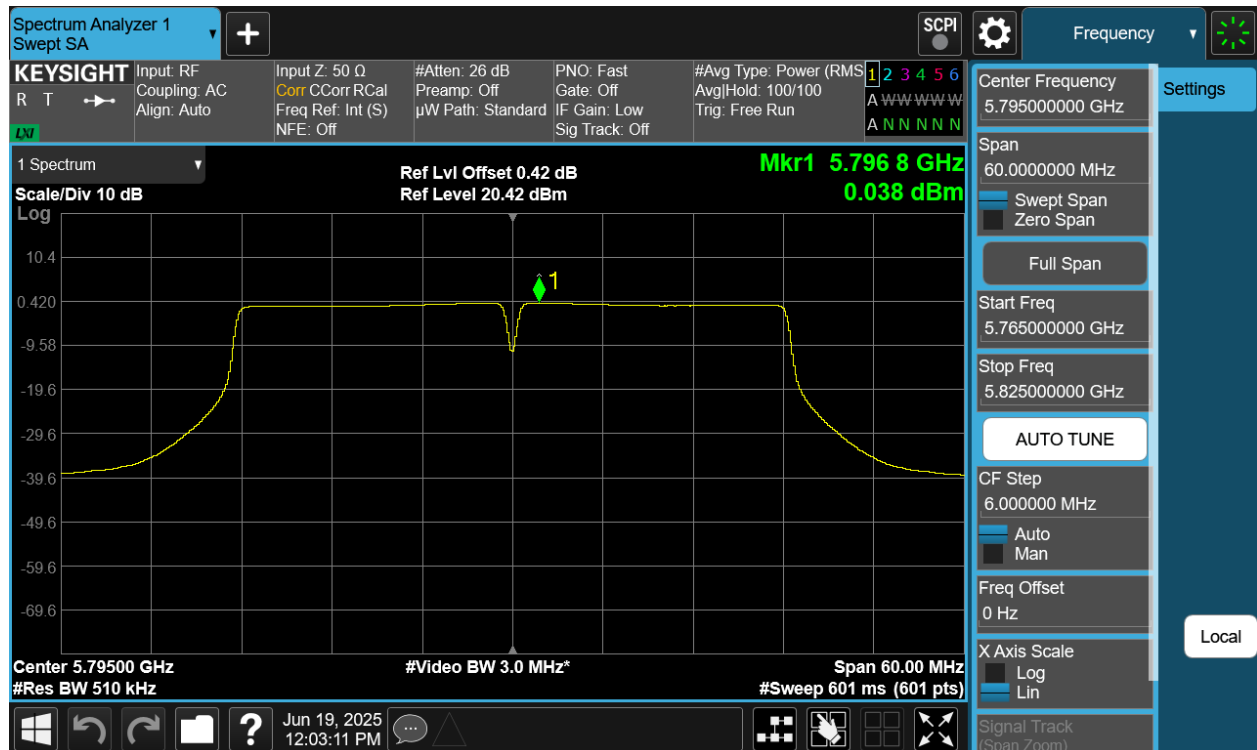
Table 7-99. Band 3 Power Spectral Density Measurements Antenna WF5B

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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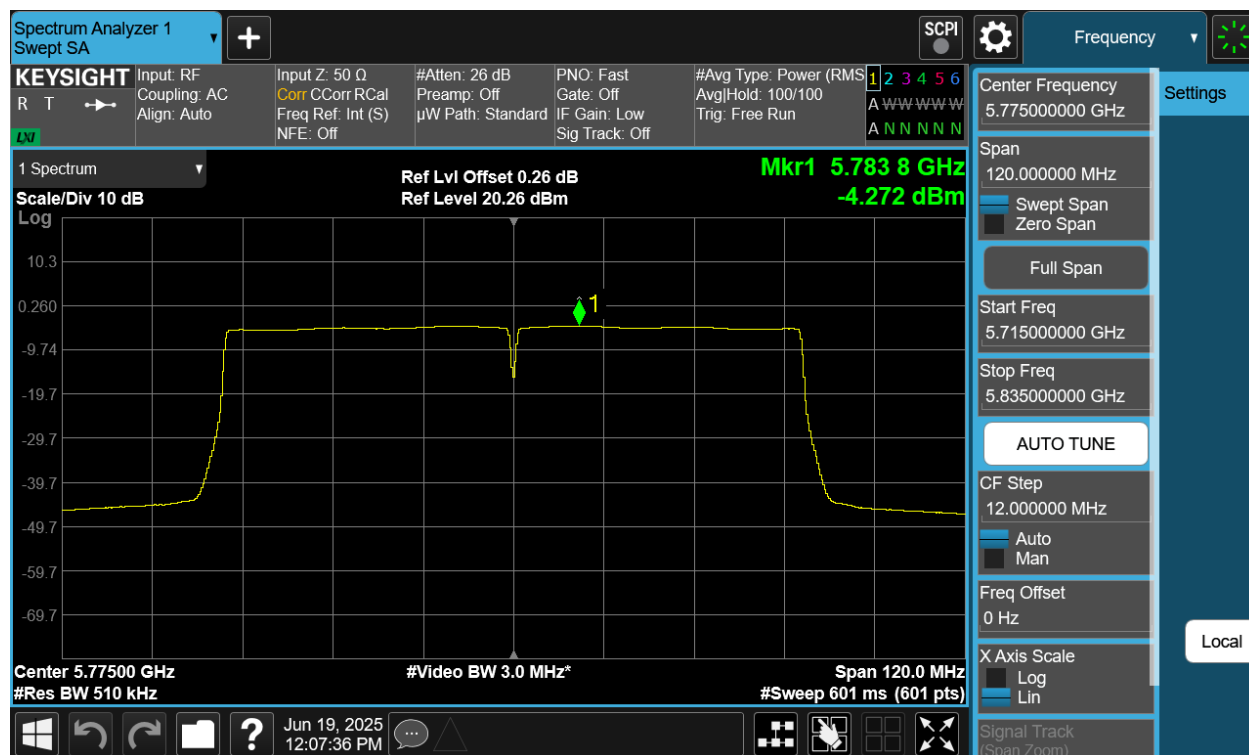


Plot 7-26 PSD Antenna WF5B (20MHz BW 802.11n - Ch.149)



Plot 7-27 PSD Antenna WF5B (40MHz BW 802.11n - Ch.159)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-28 PSD Antenna WF5B (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 69 of 255

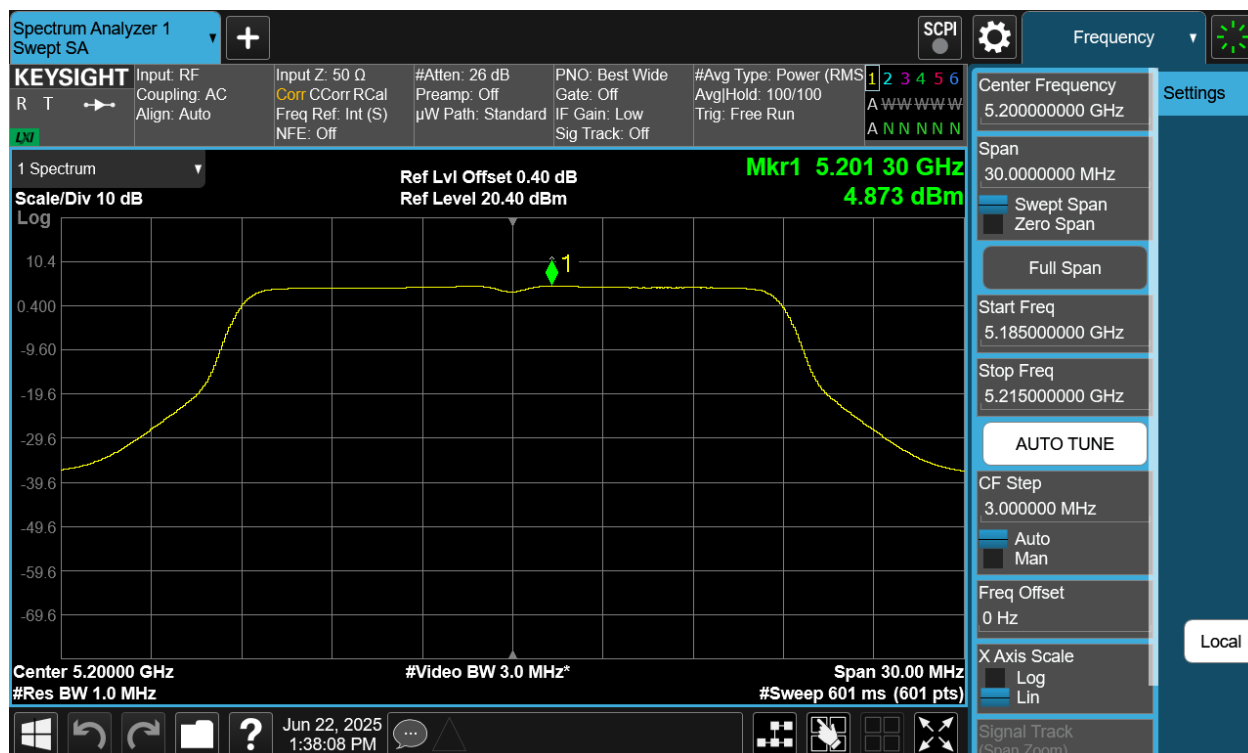
V 11.0 5/2025

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	18Mbps	4.03	3.40	7.43	10.0	-2.57
	5200	40	a	36Mbps	4.78	3.40	8.18	10.0	-1.82
	5240	48	a	36Mbps	4.57	3.40	7.97	10.0	-2.03
	5180	36	n (20MHz)	MCS3	3.86	3.40	7.26	10.0	-2.74
	5200	40	n (20MHz)	MCS5	4.87	3.40	8.27	10.0	-1.73
	5240	48	n (20MHz)	MCS0	4.61	3.40	8.01	10.0	-1.99
	5180	36	be (SU) (20MHz)	MCS0	3.73	3.40	7.13	10.0	-2.87
	5200	40	be (SU) (20MHz)	MCS5	4.80	3.40	8.20	10.0	-1.80
	5240	48	be (SU) (20MHz)	MCS5	4.47	3.40	7.87	10.0	-2.13
	5190	38	n (40MHz)	MCS0	-0.06	3.40	3.35	10.0	-6.66
	5230	46	n (40MHz)	MCS3	3.37	3.40	6.77	10.0	-3.23
	5190	38	be (SU) (40MHz)	MCS0	-1.15	3.40	2.25	10.0	-7.75
	5230	46	be (SU) (40MHz)	MCS0	3.11	3.40	6.51	10.0	-3.49
	5210	42	ac (80MHz)	MCS0	-3.81	3.40	-0.41	10.0	-10.41
	5210	42	be (SU) (80MHz)	MCS3	-3.90	3.40	-0.50	10.0	-10.50
Band 1/2	5250	50	ac (160MHz)	MCS3	-7.94	3.40	-4.54	10.0	-14.54
	5250	50	be (SU) (160MHz)	MCS0	-7.48	3.40	-4.08	10.0	-14.08

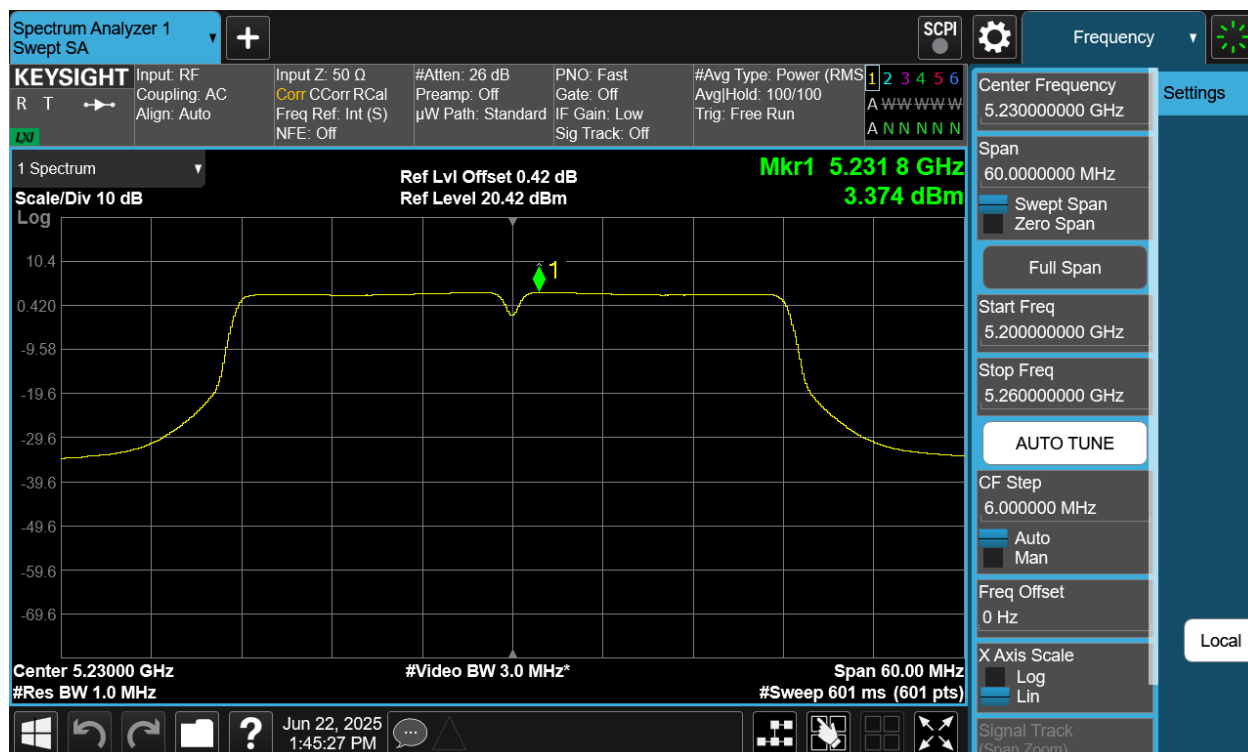
Table 7-100. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF5B

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 70 of 255

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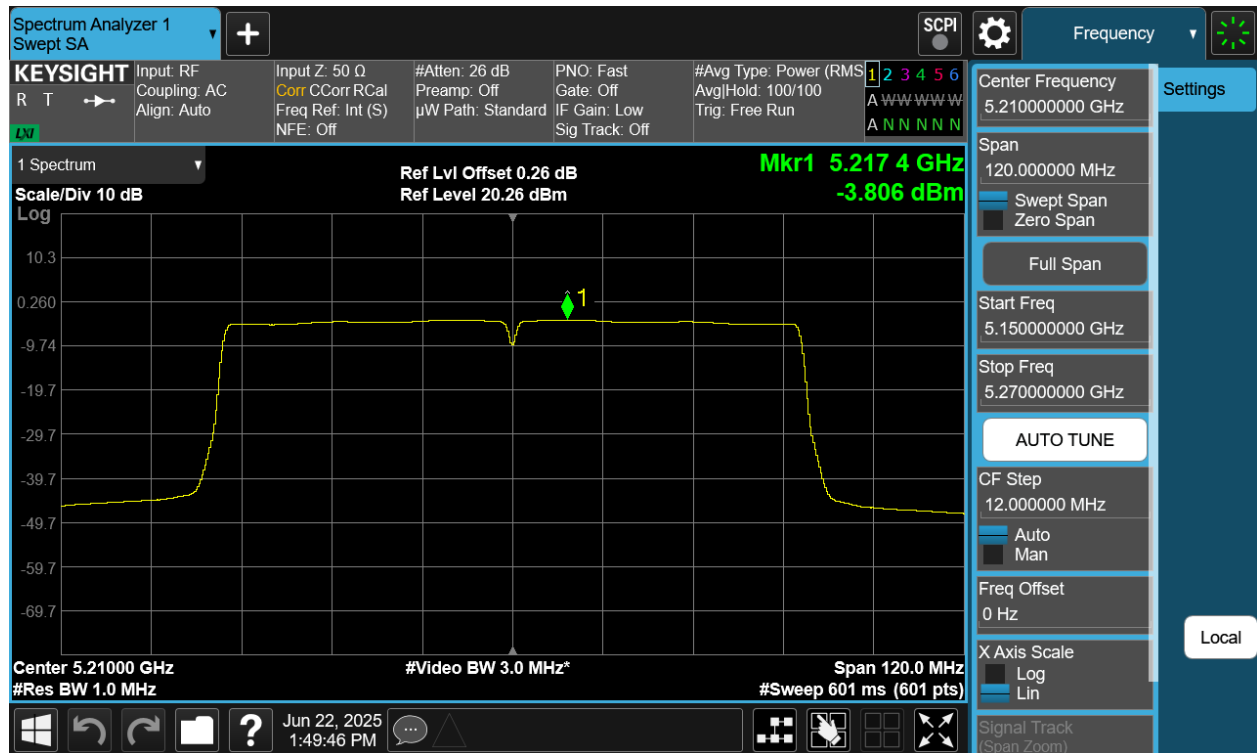


Plot 7-29 PSD Antenna WF5B (20MHz BW 802.11n - Ch.40)

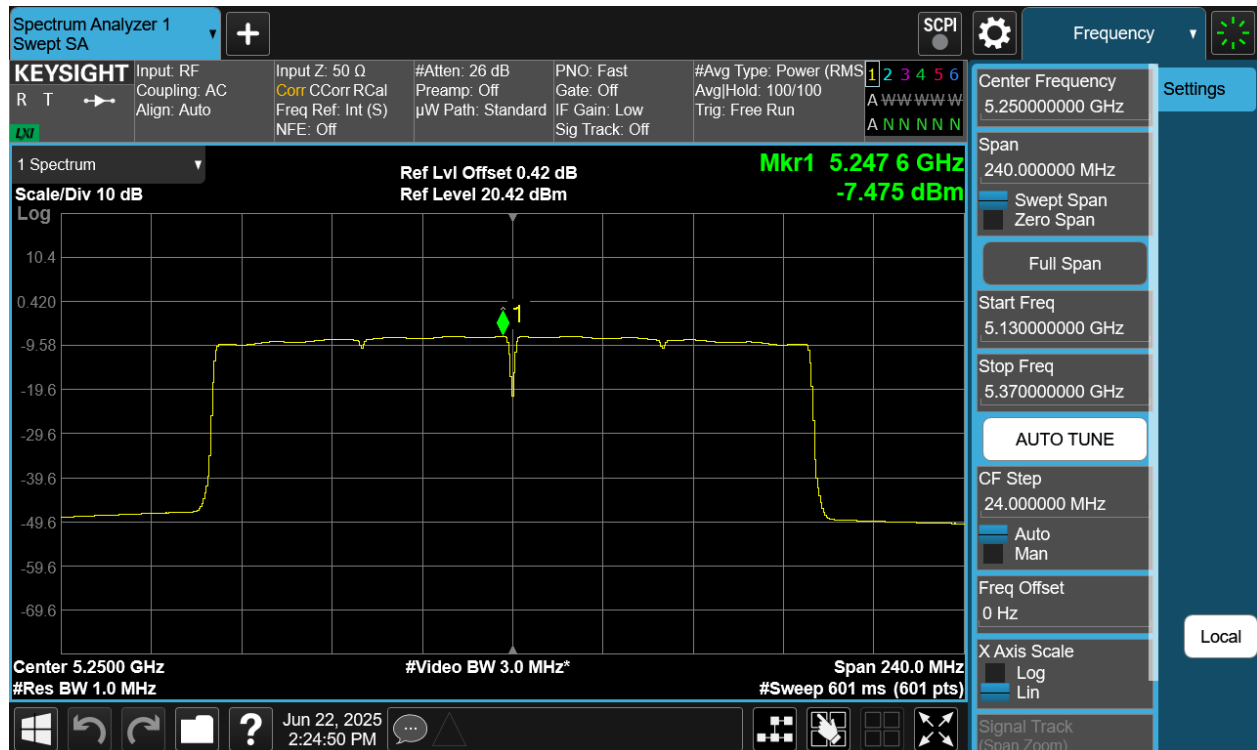


Plot 7-30 PSD Antenna WF5B (40MHz BW 802.11n - Ch.46)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 71 of 255



Plot 7-31 PSD Antenna WF5B (80MHz BW 802.11ac - Ch.42)



Plot 7-32 PSD Antenna WF5B (160MHz BW 802.11be(SU) - Ch.50)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 72 of 255

7.5.2 Antenna 4a Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	6Mbps	5.17	11.00	-5.83
	5200	40	a	36Mbps	5.53	11.00	-5.47
	5240	48	a	18Mbps	7.40	11.00	-3.60
	5180	36	n (20MHz)	MCS0	5.20	11.00	-5.80
	5200	40	n (20MHz)	MCS3	5.42	11.00	-5.58
	5240	48	n (20MHz)	MCS5	7.36	11.00	-3.64
	5180	36	be (SU) (20MHz)	MCS0	4.59	11.00	-6.41
	5200	40	be (SU) (20MHz)	MCS0	5.35	11.00	-5.65
	5240	48	be (SU) (20MHz)	MCS5	7.11	11.00	-3.89
	5190	38	n (40MHz)	MCS0	-0.17	11.00	-11.17
	5230	46	n (40MHz)	MCS3	4.31	11.00	-6.69
	5190	38	be (SU) (40MHz)	MCS3	-1.35	11.00	-12.35
	5230	46	be (SU) (40MHz)	MCS3	4.12	11.00	-6.88
	5210	42	ac (80MHz)	MCS0	-3.93	11.00	-14.93
Band 1/2	5210	42	be (SU) (80MHz)	MCS0	-4.64	11.00	-15.64
	5250	50	ac (160MHz)	MCS0	-7.90	11.00	-18.90
Band 2A	5250	50	be (SU) (160MHz)	MCS0	-7.95	11.00	-18.95
	5260	52	a	18Mbps	7.38	11.00	-3.62
	5300	60	a	36Mbps	5.57	11.00	-5.43
	5320	64	a	6Mbps	5.16	11.00	-5.84
	5260	52	n (20MHz)	MCS3	7.42	11.00	-3.58
	5300	60	n (20MHz)	MCS3	5.45	11.00	-5.55
	5320	64	n (20MHz)	MCS0	5.19	11.00	-5.81
	5260	52	be (SU) (20MHz)	MCS3	7.10	11.00	-3.91
	5300	60	be (SU) (20MHz)	MCS0	5.23	11.00	-5.77
	5320	64	be (SU) (20MHz)	MCS0	4.86	11.00	-6.15
	5270	54	n (40MHz)	MCS0	3.74	11.00	-7.26
	5310	62	n (40MHz)	MCS0	0.70	11.00	-10.30
	5270	54	be (SU) (40MHz)	MCS5	3.54	11.00	-7.46
	5310	62	be (SU) (40MHz)	MCS0	-0.52	11.00	-11.52
	5290	58	ac (80MHz)	MCS0	-3.04	11.00	-14.04
	5290	58	be (SU) (80MHz)	MCS5	-4.07	11.00	-15.07
Band 2C	5500	100	a	6Mbps	5.09	11.00	-5.91
	5580	116	a	36Mbps	7.28	11.00	-3.72
	5720	144	a	36Mbps	7.10	11.00	-3.90
	5500	100	n (20MHz)	MCS0	5.13	11.00	-5.87
	5580	116	n (20MHz)	MCS0	7.28	11.00	-3.72
	5720	144	n (20MHz)	MCS3	7.21	11.00	-3.79
	5500	100	be (SU) (20MHz)	MCS0	4.92	11.00	-6.08
	5580	116	be (SU) (20MHz)	MCS0	7.09	11.00	-3.91
	5720	144	be (SU) (20MHz)	MCS3	7.09	11.00	-3.91
	5510	102	n (40MHz)	MCS0	-0.48	11.00	-11.48
	5550	110	n (40MHz)	MCS0	2.43	11.00	-8.57
	*5590	118	n (40MHz)	MCS5	4.22	11.00	-6.79
	5670	134	n (40MHz)	MCS0	2.72	11.00	-8.28
	5710	142	n (40MHz)	MCS5	4.03	11.00	-6.97
	5510	102	be (SU) (40MHz)	MCS0	-1.52	11.00	-12.52
	5550	110	be (SU) (40MHz)	MCS0	1.95	11.00	-9.05
	5710	142	be (SU) (40MHz)	MCS5	4.19	11.00	-6.81
	5530	106	ac (80MHz)	MCS0	-4.07	11.00	-15.07
	*5610	122	ac (80MHz)	MCS0	-0.36	11.00	-11.36
	5690	138	ac (80MHz)	MCS5	1.05	11.00	-9.95
	5530	106	be (SU) (80MHz)	MCS0	-4.18	11.00	-15.18
	*5610	122	be (SU) (80MHz)	MCS0	-0.25	11.00	-11.25
	5690	138	be (SU) (80MHz)	MCS5	1.20	11.00	-9.80
	*5570	114	ac (160MHz)	MCS0	-8.44	11.00	-19.44
	*5570	114	be (SU) (160MHz)	MCS0	-8.18	11.00	-19.18

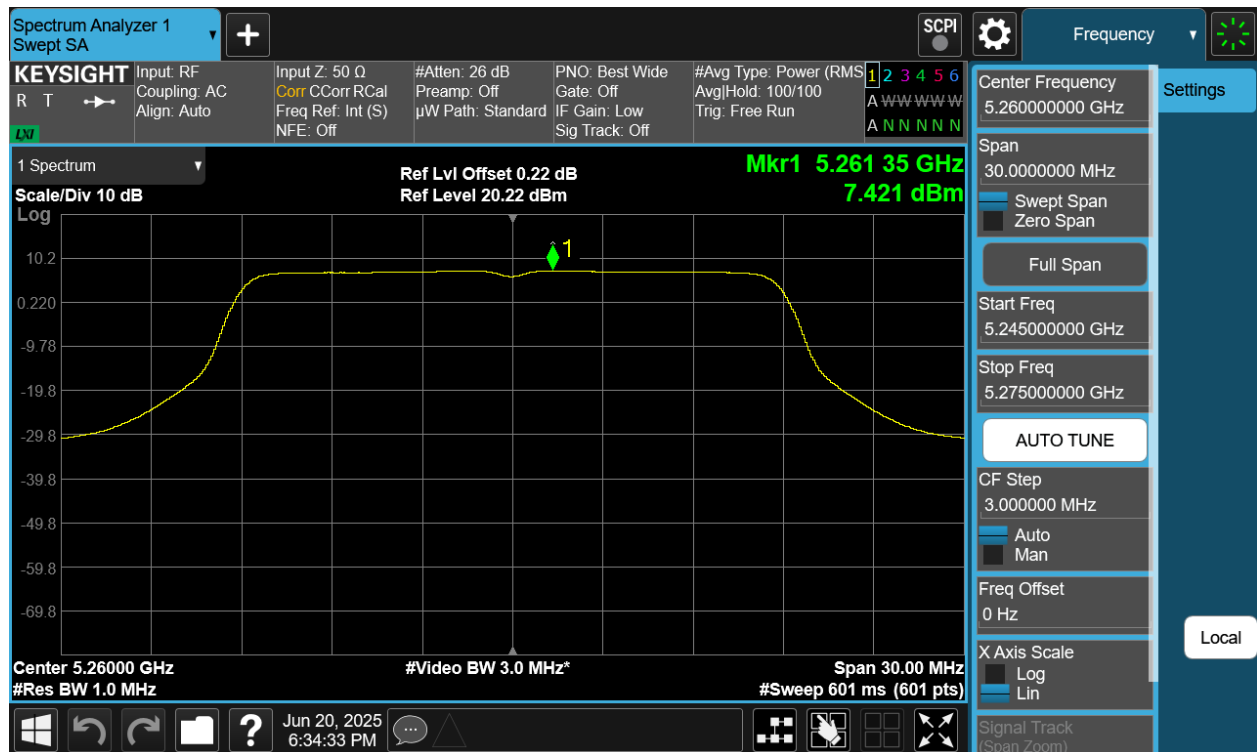
Table 7-101. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 4a

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

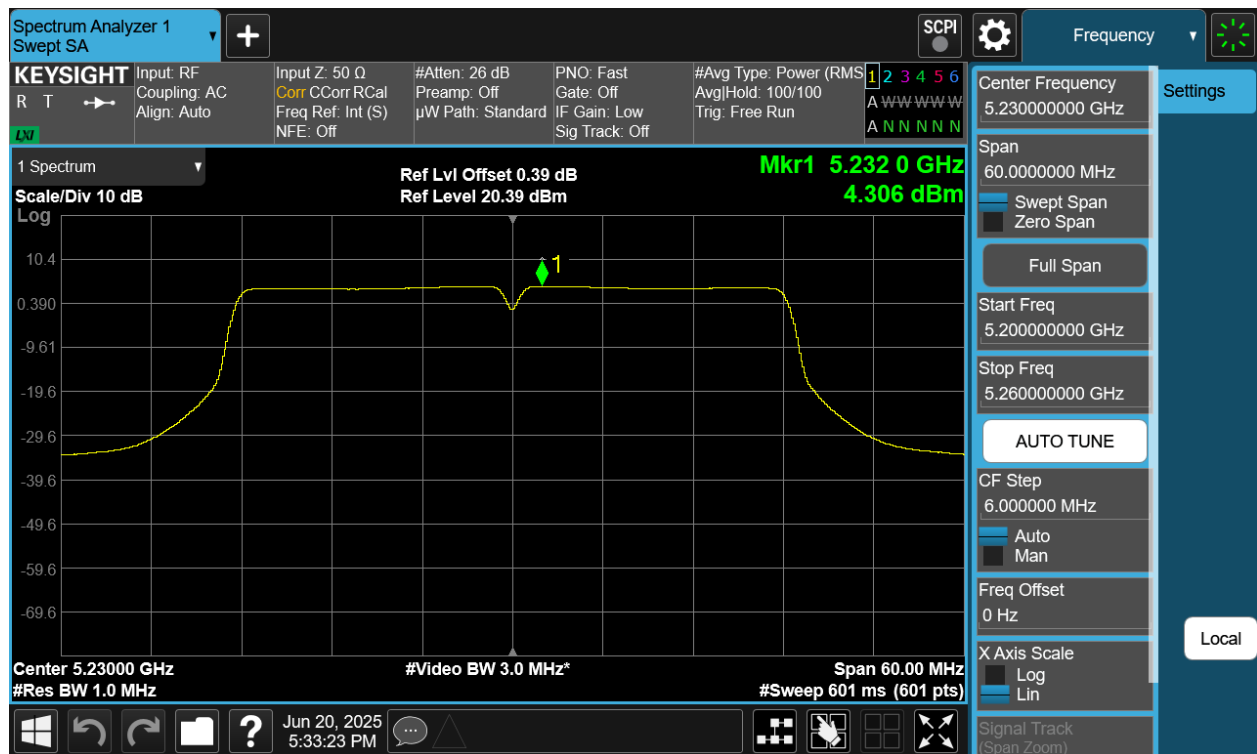
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 73 of 255

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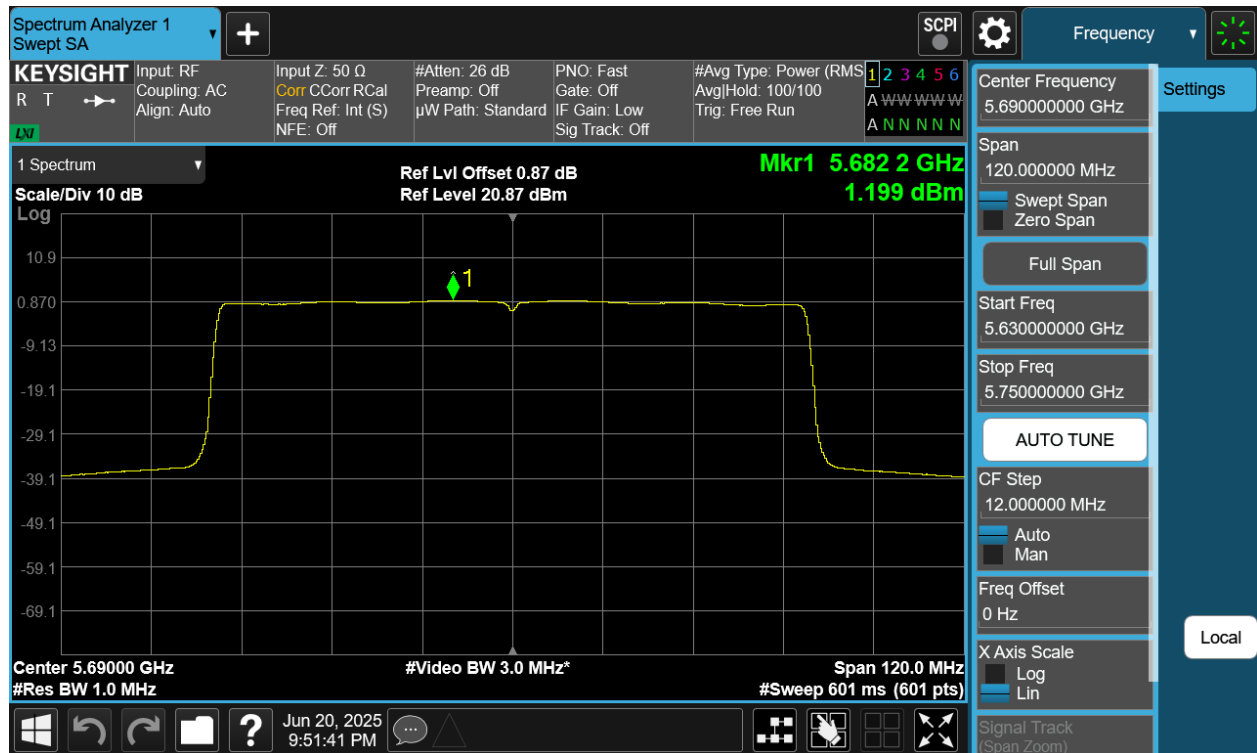


Plot 7-33 PSD Antenna 4a (20MHz BW 802.11n - Ch.52)

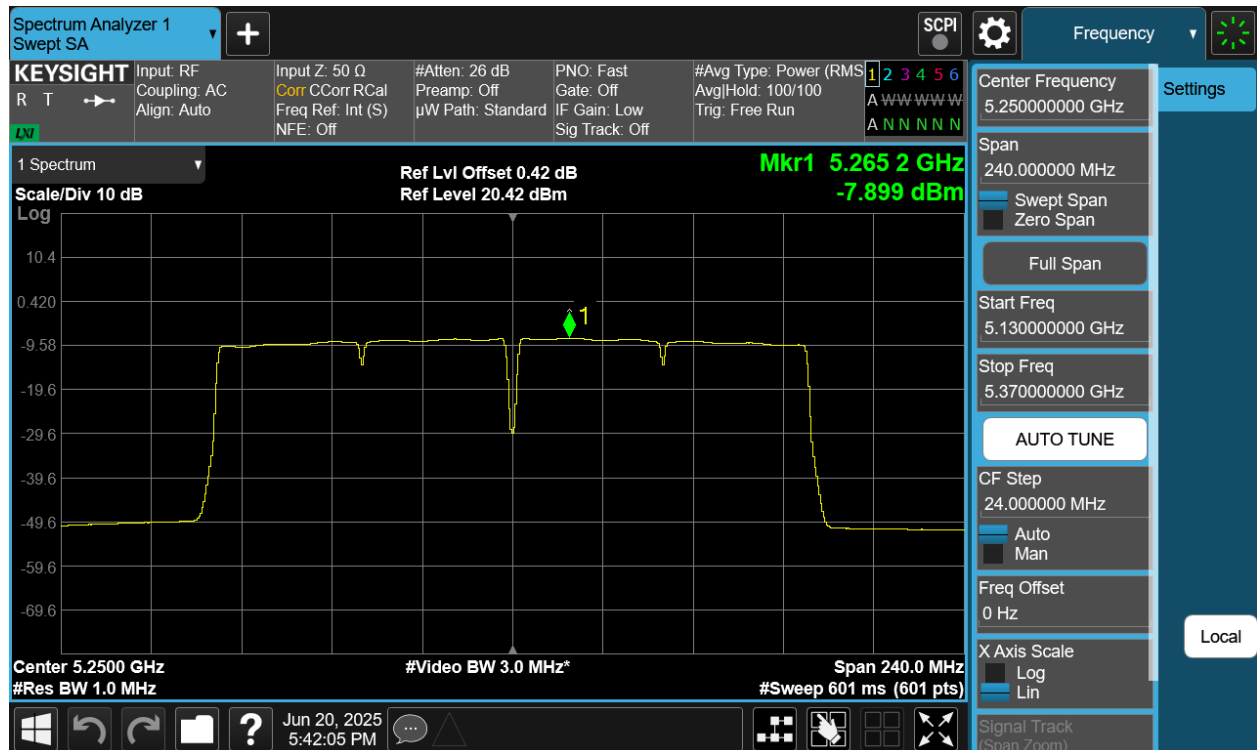


Plot 7-34 PSD Antenna 4a (40MHz BW 802.11n - Ch.46)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 74 of 255



Plot 7-35 PSD Antenna 4a (80MHz BW 802.11be(SU) - Ch.138)



Plot 7-36 PSD Antenna 4a (160MHz BW 802.11ac - Ch.50)

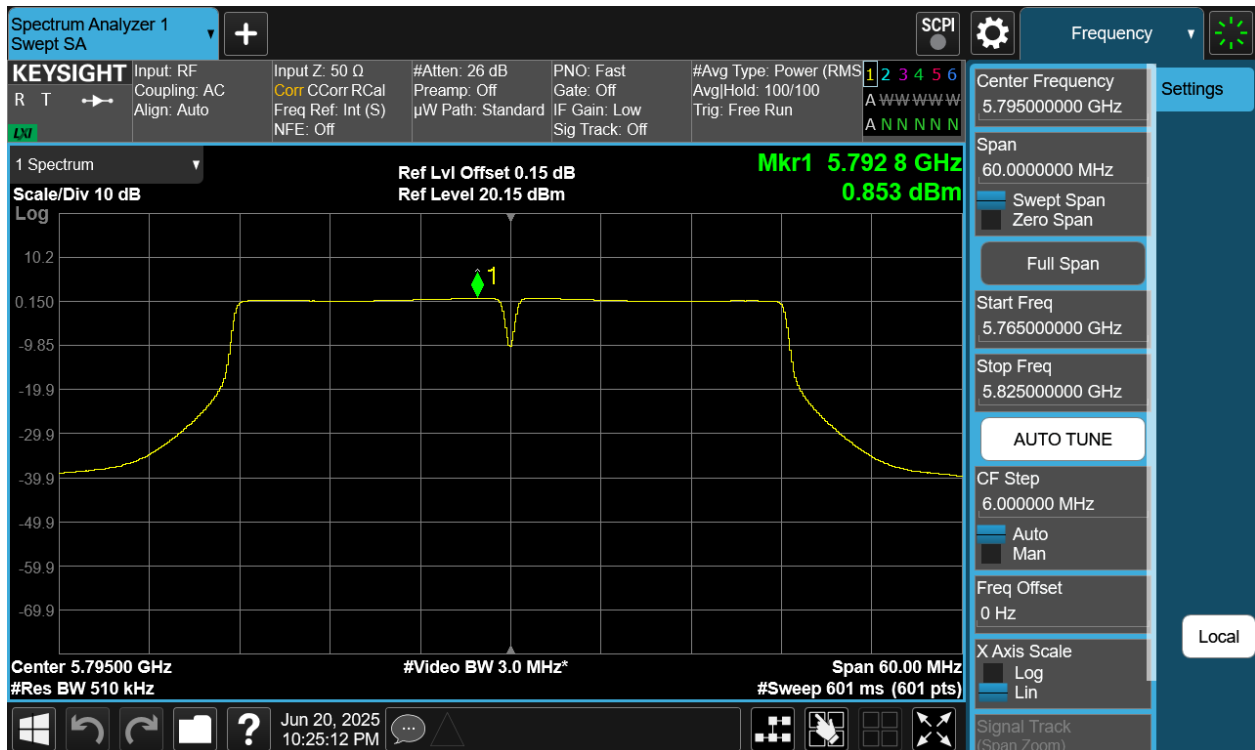
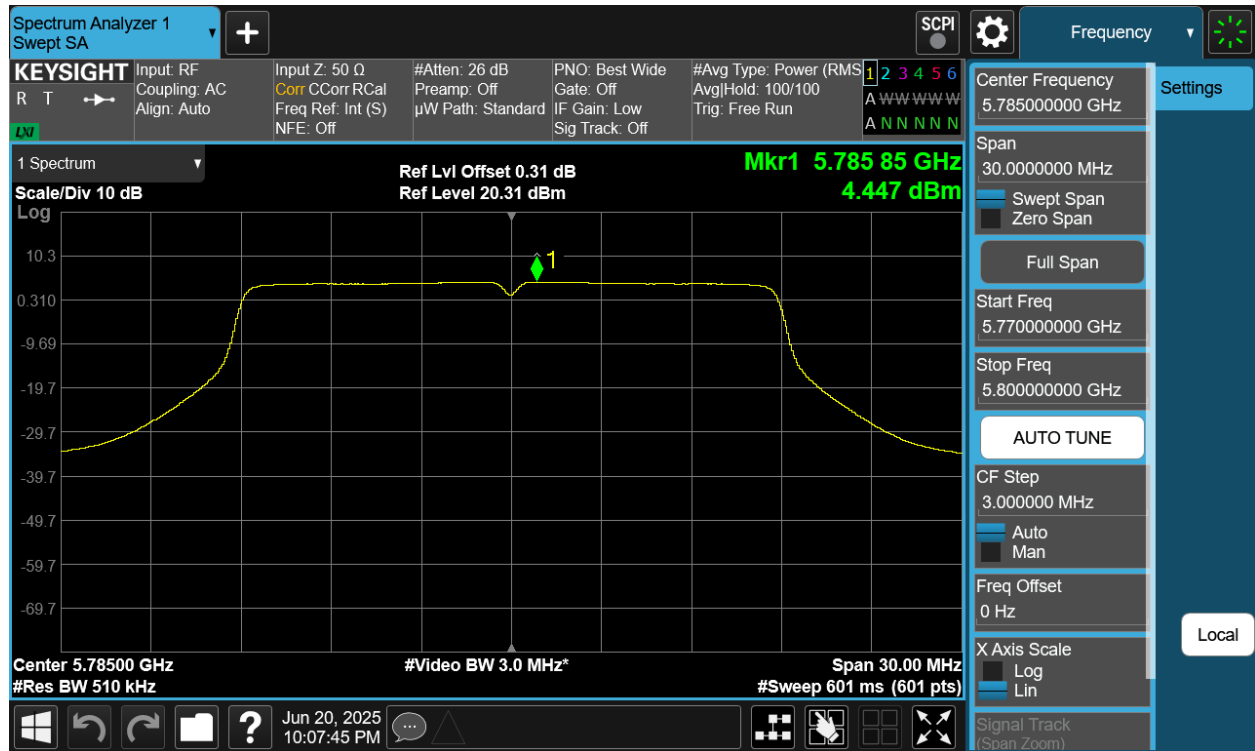
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 75 of 255

	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	a	36Mbps	3.99	30.0	-26.0
	5785	157	a	36Mbps	4.45	30.0	-25.6
	5825	165	a	36Mbps	4.02	30.0	-26.0
	5745	149	n (20MHz)	MCS5	3.99	30.0	-26.01
	5785	157	n (20MHz)	MCS5	4.44	30.0	-25.56
	5825	165	n (20MHz)	MCS3	3.85	30.0	-26.15
	5745	149	be (SU) (20MHz)	MCS0	3.65	30.0	-26.35
	5785	157	be (SU) (20MHz)	MCS3	4.04	30.0	-25.96
	5825	165	be (SU) (20MHz)	MCS0	3.69	30.0	-26.31
	5755	151	n (40MHz)	MCS3	0.77	30.0	-29.24
	5795	159	n (40MHz)	MCS0	0.85	30.0	-29.15
	5755	151	be (SU) (40MHz)	MCS5	0.78	30.0	-29.22
	5795	159	be (SU) (40MHz)	MCS3	0.64	30.0	-29.36
	5775	155	ac (80MHz)	MCS0	-3.73	30.0	-33.73
	5775	155	be (SU) (80MHz)	MCS0	-4.41	30.0	-34.41

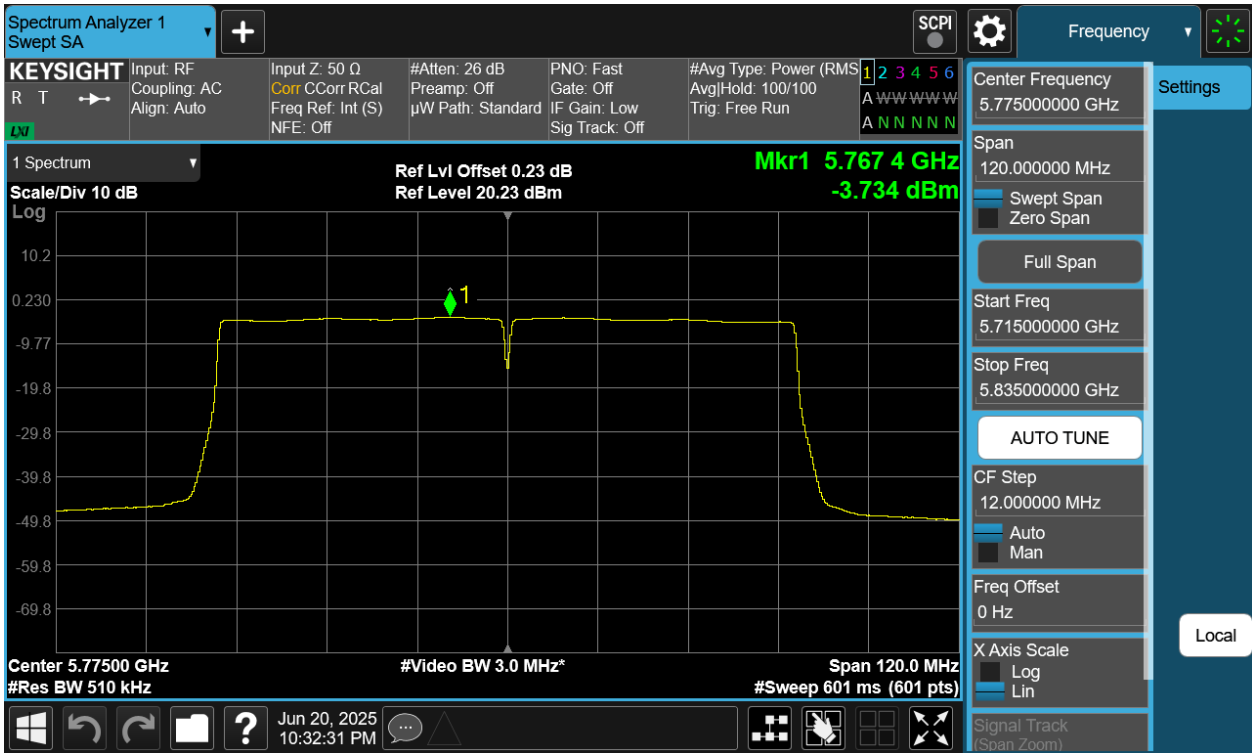
Table 7-102. Band 3 Power Spectral Density Measurements Antenna 4a

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 76 of 255

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FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 77 of 255



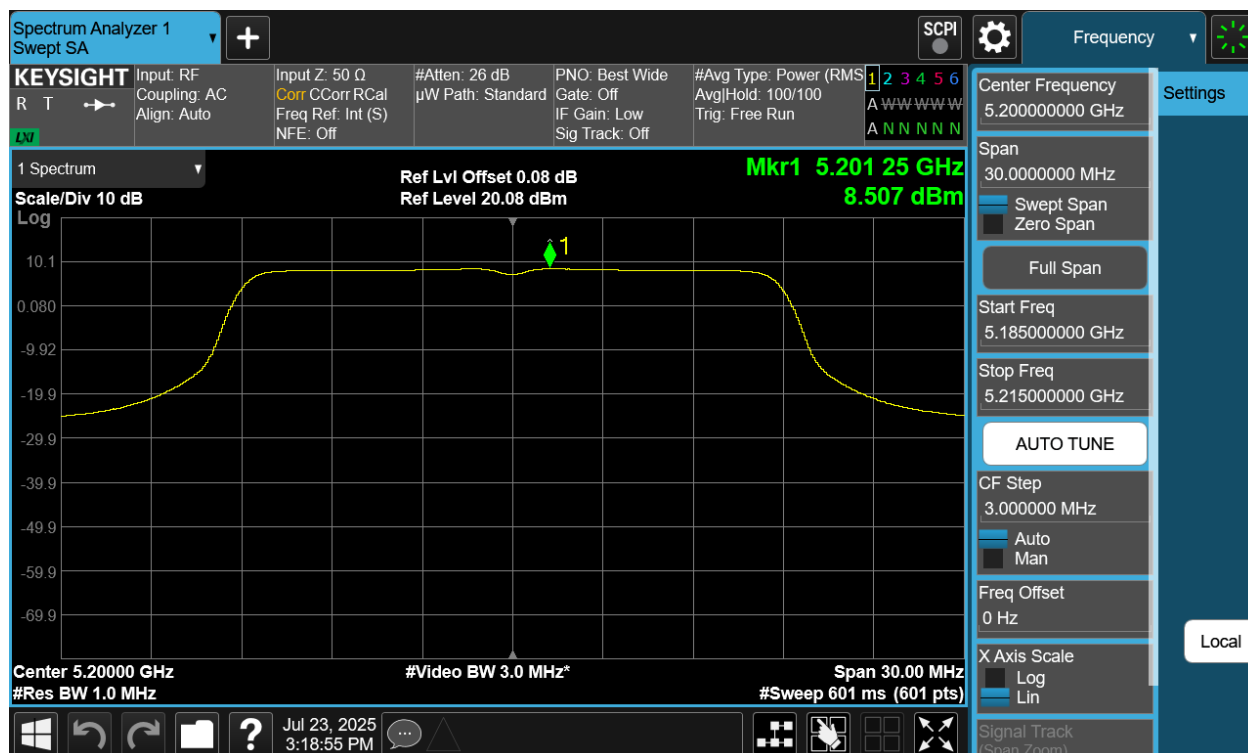
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 78 of 255

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	6Mbps	6.74	-0.90	5.84	10.0	-4.16
	5200	40	a	6Mbps	8.50	-0.90	7.60	10.0	-2.40
	5240	48	a	6Mbps	8.35	-0.90	7.45	10.0	-2.55
	5180	36	n (20MHz)	MCS0	6.73	-0.90	5.83	10.0	-4.17
	5200	40	n (20MHz)	MCS0	8.51	-0.90	7.61	10.0	-2.39
	5240	48	n (20MHz)	MCS3	8.13	-0.90	7.23	10.0	-2.77
	5180	36	be (SU) (20MHz)	MCS0	5.62	-0.90	4.72	10.0	-5.28
	5200	40	be (SU) (20MHz)	MCS0	8.18	-0.90	7.28	10.0	-2.72
	5240	48	be (SU) (20MHz)	MCS0	8.00	-0.90	7.10	10.0	-2.90
	5190	38	n (40MHz)	MCS0	0.12	-0.90	-0.78	10.0	-10.78
	5230	46	n (40MHz)	MCS0	5.54	-0.90	4.64	10.0	-5.37
	5190	38	be (SU) (40MHz)	MCS0	-1.14	-0.90	-2.04	10.0	-12.04
	5230	46	be (SU) (40MHz)	MCS0	5.20	-0.90	4.30	10.0	-5.70
	5210	42	ac (80MHz)	MCS0	-3.65	-0.90	-4.55	10.0	-14.55
	5210	42	be (SU) (80MHz)	MCS0	-3.07	-0.90	-3.97	10.0	-13.97
Band 1/2	5250	50	ac (160MHz)	MCS0	-7.94	-0.90	-8.84	10.0	-18.84
	5250	50	be (SU) (160MHz)	MCS0	-7.56	-0.90	-8.46	10.0	-18.46

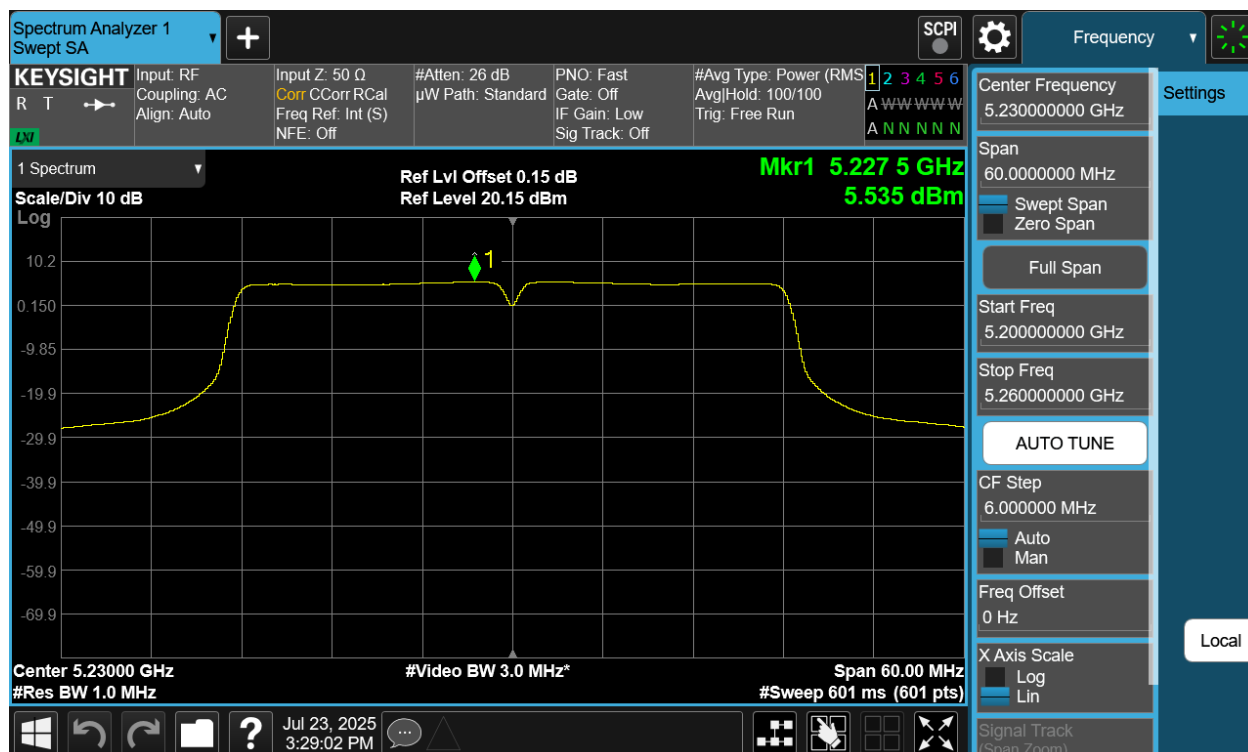
Table 7-103. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 4a

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 79 of 255

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Plot 7-40 PSD Antenna 4a (20MHz BW 802.11n - Ch.40)

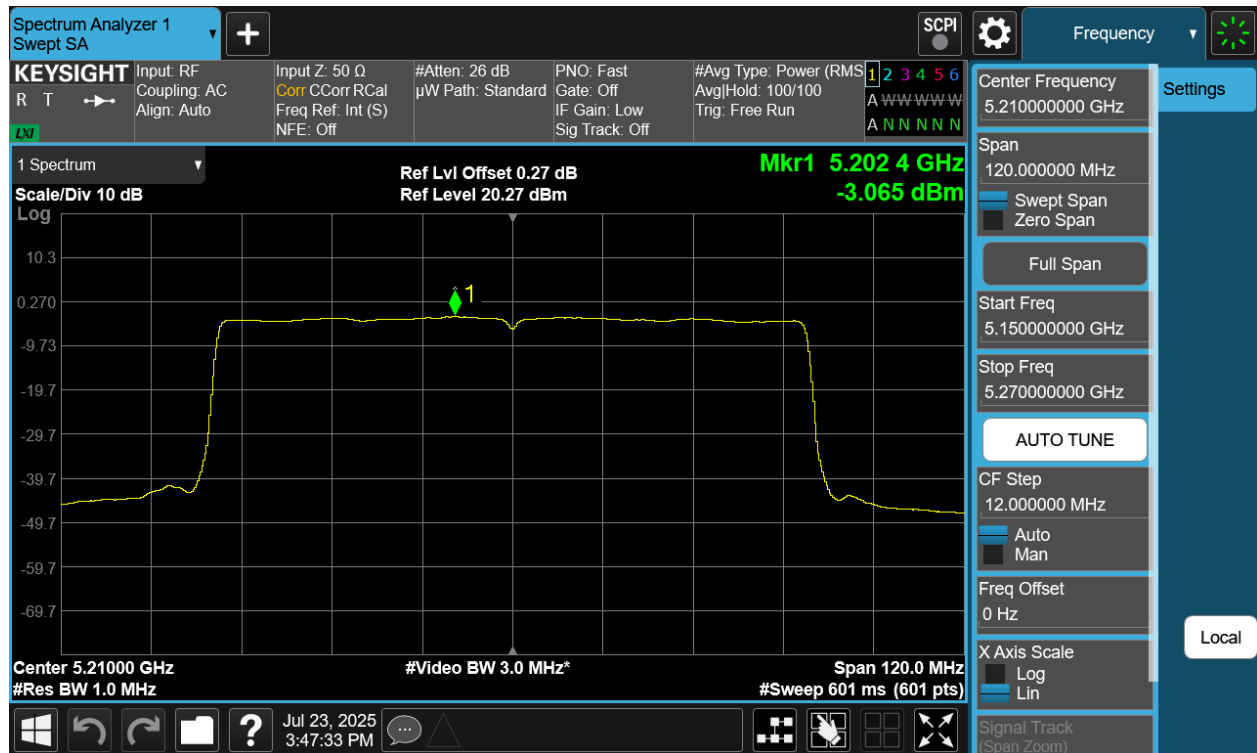


Plot 7-41 PSD Antenna 4a (40MHz BW 802.11n - Ch.46)

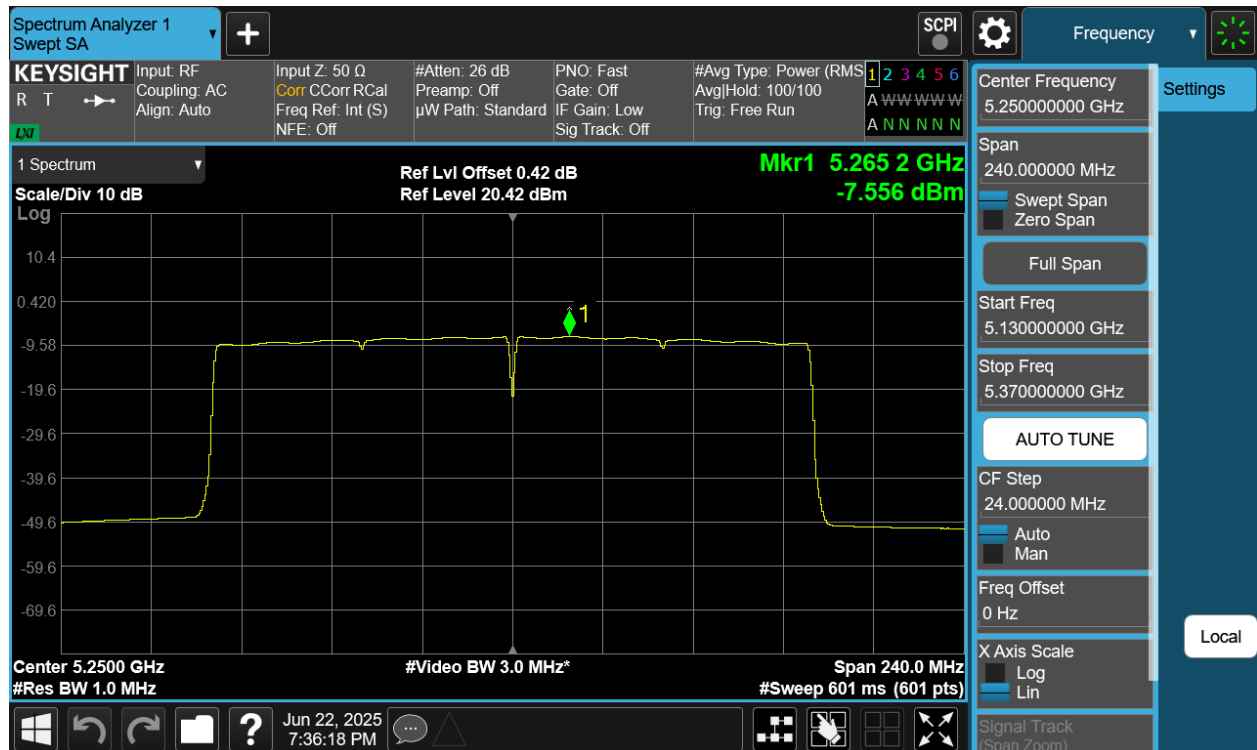
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 80 of 255

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Plot 7-42 PSD Antenna 4a (80MHz BW 802.11be(SU) - Ch.42)



Plot 7-43 PSD Antenna 4a (160MHz BW 802.11be(SU) - Ch.50)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 81 of 255

7.5.3 Antenna 2a Power Spectral Density Measurements

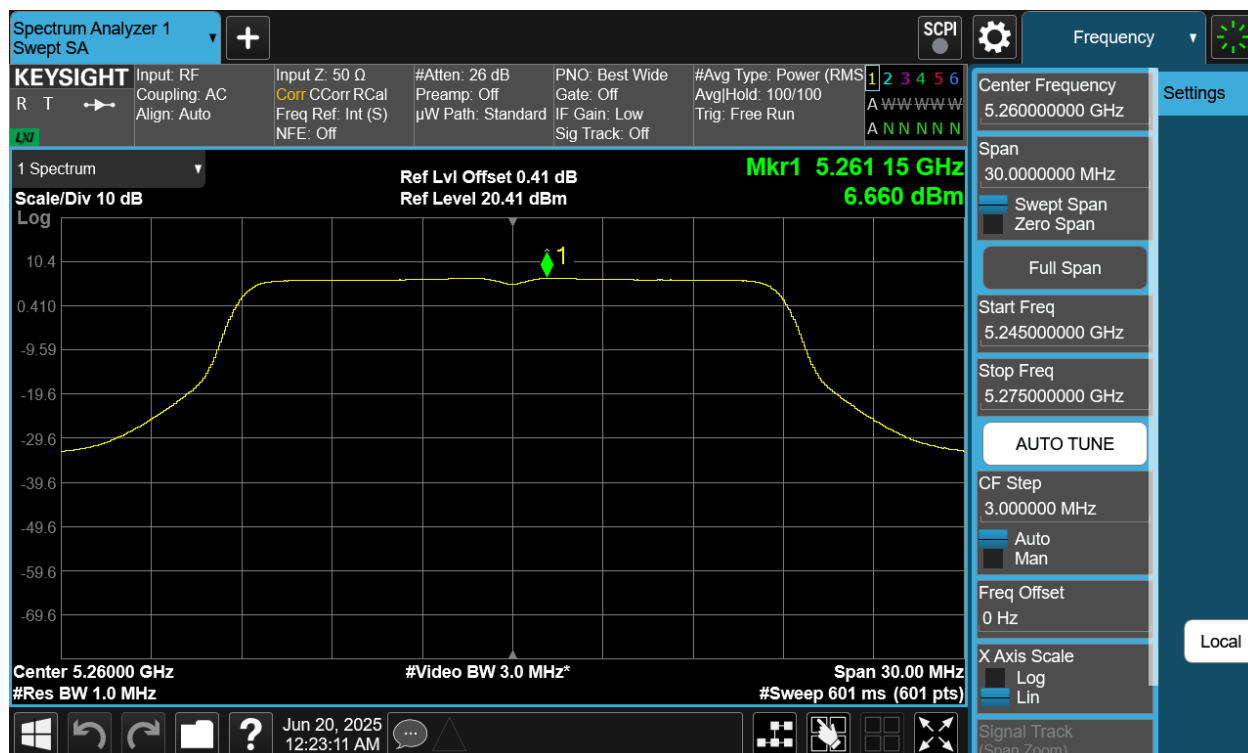
	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	6Mbps	5.63	11.00	-5.37
	5200	40	a	36Mbps	5.79	11.00	-5.22
	5240	48	a	18Mbps	6.55	11.00	-4.45
	5180	36	n (20MHz)	MCS0	5.63	11.00	-5.37
	5200	40	n (20MHz)	MCS3	5.73	11.00	-5.27
	5240	48	n (20MHz)	MCS5	6.58	11.00	-4.42
	5180	36	be (SU) (20MHz)	MCS3	4.76	11.00	-6.24
	5200	40	be (SU) (20MHz)	MCS0	5.73	11.00	-5.27
	5240	48	be (SU) (20MHz)	MCS5	6.49	11.00	-4.51
	5190	38	n (40MHz)	MCS0	0.21	11.00	-10.79
	5230	46	n (40MHz)	MCS3	3.54	11.00	-7.46
	5190	38	be (SU) (40MHz)	MCS3	-0.93	11.00	-11.93
	5230	46	be (SU) (40MHz)	MCS5	3.50	11.00	-7.50
	5210	42	ac (80MHz)	MCS0	-3.54	11.00	-14.54
Band 1/2	5210	42	be (SU) (80MHz)	MCS0	-4.11	11.00	-15.11
	5250	50	ac (160MHz)	MCS0	-7.63	11.00	-18.63
Band 2A	5250	50	be (SU) (160MHz)	MCS0	-7.25	11.00	-18.25
	5260	52	a	36Mbps	6.54	11.00	-4.46
	5300	60	a	6Mbps	5.91	11.00	-5.09
	5320	64	a	6Mbps	5.24	11.00	-5.77
	5260	52	n (20MHz)	MCS5	6.66	11.00	-4.34
	5300	60	n (20MHz)	MCS3	5.81	11.00	-5.19
	5320	64	n (20MHz)	MCS0	5.23	11.00	-5.77
	5260	52	be (SU) (20MHz)	MCS0	6.54	11.00	-4.46
	5300	60	be (SU) (20MHz)	MCS5	5.68	11.00	-5.32
	5320	64	be (SU) (20MHz)	MCS0	5.46	11.00	-5.54
	5270	54	n (40MHz)	MCS3	3.66	11.00	-7.34
	5310	62	n (40MHz)	MCS0	1.11	11.00	-9.89
	5270	54	be (SU) (40MHz)	MCS5	3.69	11.00	-7.31
	5310	62	be (SU) (40MHz)	MCS0	-0.04	11.00	-11.04
	5290	58	ac (80MHz)	MCS0	-2.83	11.00	-13.83
	5290	58	be (SU) (80MHz)	MCS0	-3.63	11.00	-14.63
Band 2C	5500	100	a	6Mbps	5.32	11.00	-5.68
	5580	116	a	36Mbps	6.55	11.00	-4.45
	5720	144	a	36Mbps	6.61	11.00	-4.39
	5500	100	n (20MHz)	MCS0	5.31	11.00	-5.69
	5580	116	n (20MHz)	MCS3	6.40	11.00	-4.60
	5720	144	n (20MHz)	MCS3	6.48	11.00	-4.52
	5500	100	be (SU) (20MHz)	MCS0	5.10	11.00	-5.90
	5580	116	be (SU) (20MHz)	MCS3	6.38	11.00	-4.62
	5720	144	be (SU) (20MHz)	MCS3	6.36	11.00	-4.64
	5510	102	n (40MHz)	MCS0	-0.12	11.00	-11.12
	5550	110	n (40MHz)	MCS0	2.82	11.00	-8.18
	*5590	118	n (40MHz)	MCS3	3.56	11.00	-7.44
	5670	134	n (40MHz)	MCS0	3.25	11.00	-7.75
	5710	142	n (40MHz)	MCS0	3.48	11.00	-7.52
	5510	102	be (SU) (40MHz)	MCS0	-1.07	11.00	-12.07
	5550	110	be (SU) (40MHz)	MCS0	2.17	11.00	-8.83
	5710	142	be (SU) (40MHz)	MCS0	3.50	11.00	-7.50
	5530	106	ac (80MHz)	MCS0	-3.89	11.00	-14.89
	*5610	122	ac (80MHz)	MCS0	-0.14	11.00	-11.14
	5690	138	ac (80MHz)	MCS3	0.46	11.00	-10.54
	5530	106	be (SU) (80MHz)	MCS0	-3.94	11.00	-14.94
	*5610	122	be (SU) (80MHz)	MCS0	0.06	11.00	-10.94
	5690	138	be (SU) (80MHz)	MCS3	0.46	11.00	-10.55
	*5570	114	ac (160MHz)	MCS0	-8.02	11.00	-19.02
	*5570	114	be (SU) (160MHz)	MCS0	-7.81	11.00	-18.81

Table 7-104. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 2a

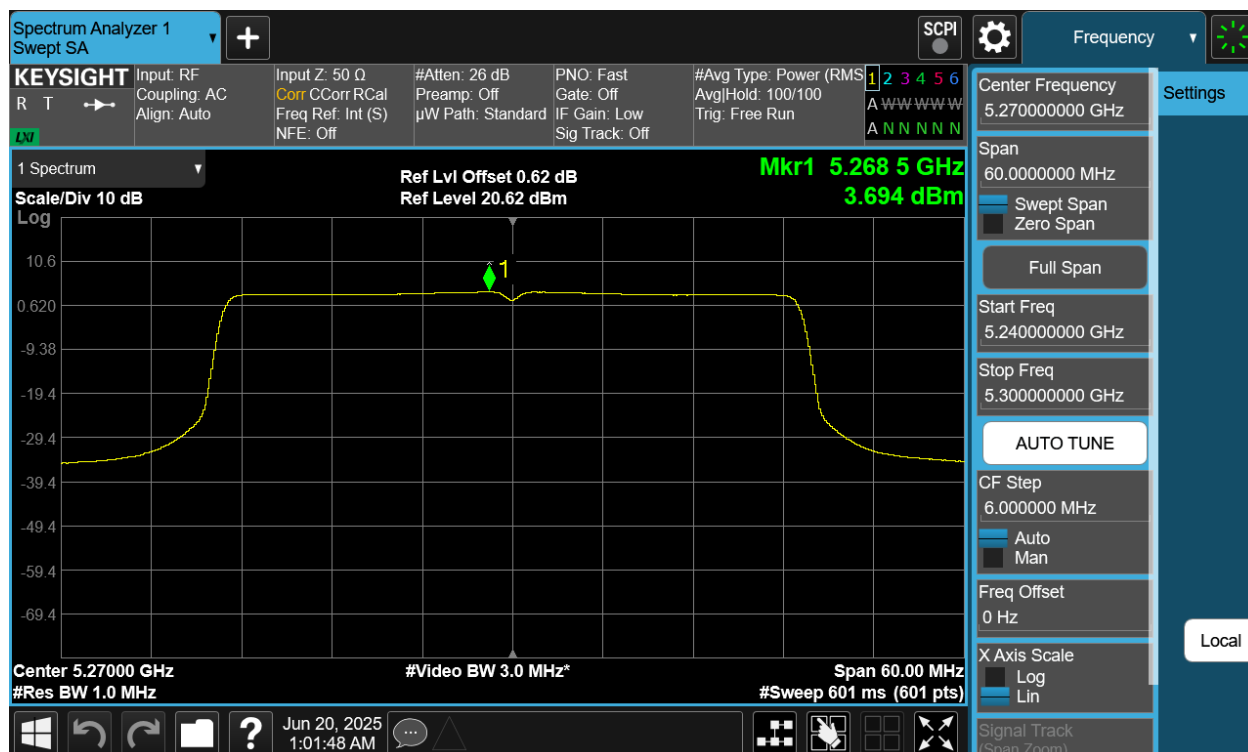
*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

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Plot 7-44 PSD Antenna 2a (20MHz BW 802.11n - Ch.52)

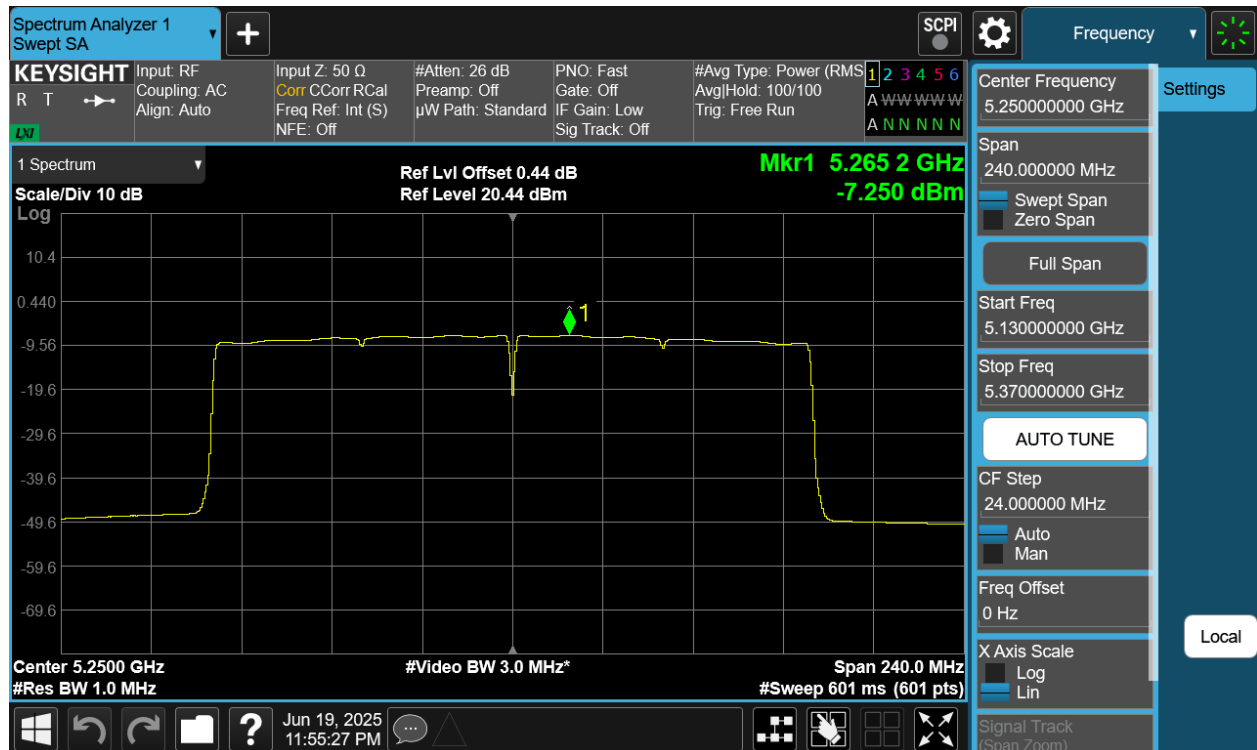
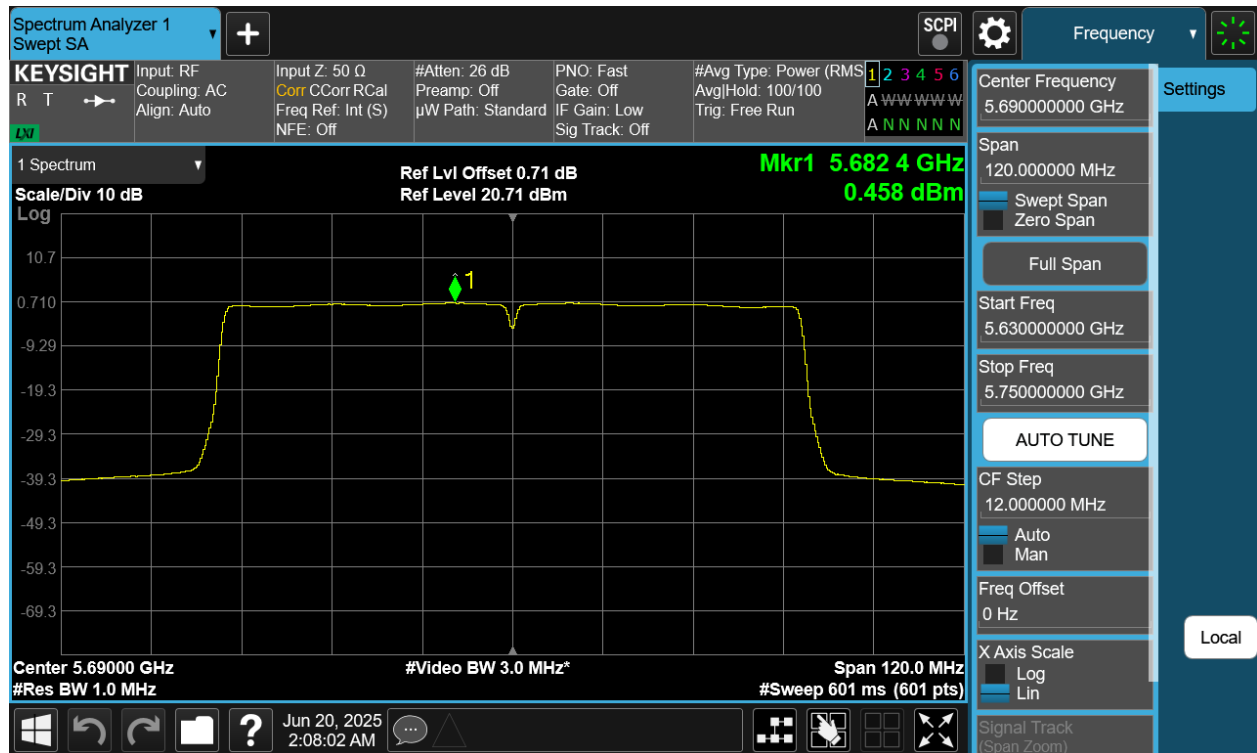


Plot 7-45 PSD Antenna 2a (40MHz BW 802.11be(SU) - Ch.54)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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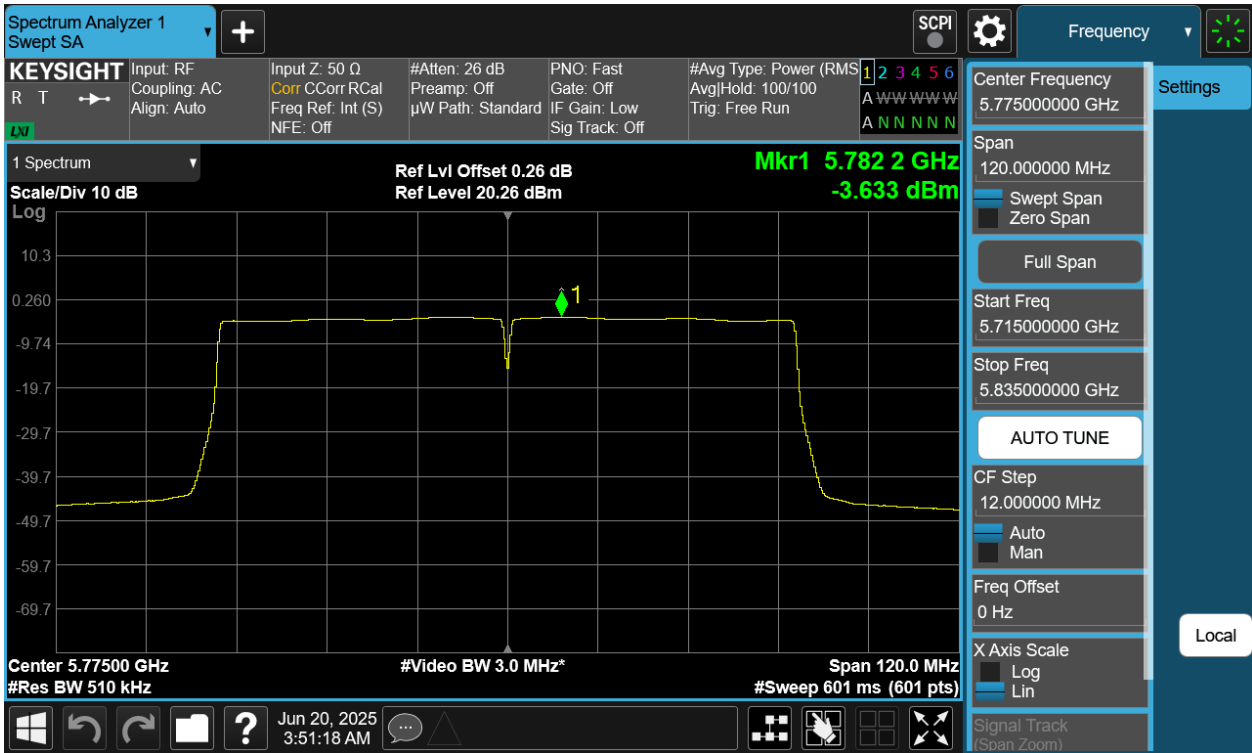
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	a	36Mbps	3.69	30.0	-26.3
	5785	157	a	36Mbps	3.52	30.0	-26.5
	5825	165	a	36Mbps	3.68	30.0	-26.3
	5745	149	n (20MHz)	MCS5	3.50	30.0	-26.50
	5785	157	n (20MHz)	MCS3	3.64	30.0	-26.36
	5825	165	n (20MHz)	MCS0	3.65	30.0	-26.35
	5745	149	be (SU) (20MHz)	MCS3	3.52	30.0	-26.49
	5785	157	be (SU) (20MHz)	MCS5	3.59	30.0	-26.41
	5825	165	be (SU) (20MHz)	MCS3	3.54	30.0	-26.46
	5755	151	n (40MHz)	MCS5	0.52	30.0	-29.48
	5795	159	n (40MHz)	MCS5	0.50	30.0	-29.50
	5755	151	be (SU) (40MHz)	MCS0	0.55	30.0	-29.45
	5795	159	be (SU) (40MHz)	MCS0	0.54	30.0	-29.46
	5775	155	ac (80MHz)	MCS0	-3.63	30.0	-33.63
	5775	155	be (SU) (80MHz)	MCS0	-4.15	30.0	-34.15

Table 7-105. Band 3 Power Spectral Density Measurements Antenna 2a

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-50 PSD Antenna 2a (80MHz BW 802.11ac - Ch.155)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-22-R1.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 87 of 255

	Frequency [MHz]	Channel No.	802.11 MODE	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	6Mbps	4.09	-1.10	2.99	10.0	-7.01
	5200	40	a	18Mbps	4.89	-1.10	3.79	10.0	-6.21
	5240	48	a	6Mbps	4.73	-1.10	3.63	10.0	-6.37
	5180	36	n (20MHz)	MCS5	4.43	-1.10	3.33	10.0	-6.67
	5200	40	n (20MHz)	MCS3	4.93	-1.10	3.83	10.0	-6.17
	5240	48	n (20MHz)	MCS3	4.63	-1.10	3.53	10.0	-6.47
	5180	36	be (SU) (20MHz)	MCS3	3.72	-1.10	2.62	10.0	-7.39
	5200	40	be (SU) (20MHz)	MCS0	5.37	-1.10	4.27	10.0	-5.73
	5240	48	be (SU) (20MHz)	MCS5	4.54	-1.10	3.44	10.0	-6.57
	5190	38	n (40MHz)	MCS0	-0.02	-1.10	-1.12	10.0	-11.12
	5230	46	n (40MHz)	MCS5	3.31	-1.10	2.21	10.0	-7.79
	5190	38	be (SU) (40MHz)	MCS0	-1.26	-1.10	-2.36	10.0	-12.36
	5230	46	be (SU) (40MHz)	MCS0	3.07	-1.10	1.97	10.0	-8.03
	5210	42	ac (80MHz)	MCS0	-3.78	-1.10	-4.88	10.0	-14.88
	5210	42	be (SU) (80MHz)	MCS3	-4.04	-1.10	-5.14	10.0	-15.14
Band 1/2	5250	50	ac (160MHz)	MCS0	-7.96	-1.10	-9.06	10.0	-19.06
	5250	50	be (SU) (160MHz)	MCS0	-7.50	-1.10	-8.60	10.0	-18.60

Table 7-106. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 2a

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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