



ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)

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MEASUREMENT REPORT

FCC PART 15.407 / ISSED RSS-248 UNII 6GHz OFDM 802.11a/ax/be (OFDM)

Applicant Name:

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

Date of Testing:

5/12/2025 - 8/27/2025

Test Report Issue Date:

9/2/2025

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2504170039-24-R2.BCG

FCC ID:

BCGA3358

IC:

579C-A3358

APPLICANT:

Apple Inc.

Application Type:

Certification

Model/HVIN:

A3358, A3359

EUT Type:

Tablet Device

Frequency Range:

5955 – 7115MHz

Modulation Type:

OFDM

FCC Classification:

15E 6GHz Low Power Dual Client (6CD)

FCC Rule Part(s):

Part 15 Subpart E (15.407)

ISSED Specification:

RSS-248 Issue 3

Test Procedure(s):

ANSI C63.10-2020, KDB 789033 D02 v02r01

KDB 662911 D01 v02r01, KDB 987594 D02 v03

KDB 987594 D03 v03r04, KDB 987594 D04 v03

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: 1C2504170039-24-R2.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



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Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 1 of 239

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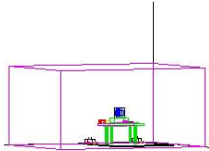
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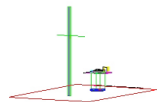
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MEASUREMENT REPORT



UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO						Primary Summed		Diversity Summed	
				Antenna WF5B		Antenna 4a		Antenna 2a		Max e.i.r.p (mW)	Max e.i.r.p (dBm)	Max e.i.r.p (mW)	Max e.i.r.p (dBm)
				Max e.i.r.p (mW)	Max e.i.r.p (dBm)	Max e.i.r.p (mW)	Max e.i.r.p (dBm)	Max e.i.r.p (mW)	Max e.i.r.p (dBm)				
5	20	802.11a/be	5955 - 6415	8.506	9.30	8.692	9.39	6.383	8.05	8.295	9.19	7.114	8.52
6		802.11a/be	6435 - 6515	8.502	9.30	8.433	9.26	5.601	7.48	8.261	9.17	6.670	8.24
7		802.11a/be	6535 - 6875	8.117	9.09	8.624	9.36	5.981	7.77	7.767	8.90	6.743	8.29
8		802.11a/be	6895 - 7115	8.295	9.19	7.925	8.99	3.415	5.33	7.934	9.00	4.604	6.63
5	40	802.11be	5965 - 6405	16.569	12.19	16.680	12.22	12.394	10.93	16.705	12.23	13.799	11.40
6		802.11be	6445 - 6525	16.749	12.24	16.095	12.07	11.631	10.66	15.858	12.00	13.768	11.39
7		802.11be	6565 - 6845	16.368	12.14	16.331	12.13	11.912	10.76	16.042	12.05	14.089	11.49
8		802.11be	6885 - 7085	16.110	12.07	16.055	12.06	6.424	8.08	15.400	11.88	9.123	9.60
5	80	802.11be	5985 - 6385	32.033	15.06	33.838	15.29	25.556	14.08	32.572	15.13	27.933	14.46
6		802.11be	6465	33.060	15.19	32.840	15.16	22.356	13.49	33.809	15.29	27.551	14.40
7		802.11be	6545 - 6865	33.612	15.27	33.806	15.29	24.866	13.96	31.208	14.94	27.219	14.35
8		802.11be	6945 - 7025	33.497	15.25	31.945	15.04	14.028	11.47	31.733	15.02	18.328	12.63
5	160	802.11be	6025 - 6345	64.313	18.08	62.762	17.98	44.607	16.49	63.364	18.02	52.582	17.21
6		802.11be	6505	48.373	16.85	47.435	16.76	31.805	15.03	46.777	16.70	38.382	15.84
7		802.11be	6665 - 6825	59.402	17.74	62.087	17.93	44.422	16.48	58.245	17.65	51.865	17.15
8		802.11be	6985	62.748	17.98	58.210	17.65	25.978	14.15	60.188	17.80	34.843	15.42

EUT Overview Low Power Indoor

UNII Band	Channel Bandwidth (MHz)	Mode	Tx Frequency (MHz)	SISO						Primary Summed		Diversity Summed	
				Antenna WF5B		Antenna 4a		Antenna 2a		Max e.i.r.p (mW)	Max e.i.r.p (dBm)	Max e.i.r.p (mW)	Max e.i.r.p (dBm)
				Max e.i.r.p (mW)	Max e.i.r.p (dBm)	Max e.i.r.p (mW)	Max e.i.r.p (dBm)	Max e.i.r.p (mW)	Max e.i.r.p (dBm)				
5	20	802.11a/be	5955 - 6415	101.859	20.08	111.071	20.46	81.564	19.12	207.491	23.17	202.302	23.06
6		802.11a/be	6435 - 6515	83.138	19.20	89.557	19.52	54.488	17.36	160.694	22.06	136.458	21.35
7		802.11a/be	6535 - 6855	102.070	20.09	114.948	20.61	75.648	18.79	202.768	23.07	188.799	22.76
5	40	802.11be	5965 - 6405	98.833	19.95	114.183	20.58	84.431	19.27	202.768	23.07	199.986	23.01
6		802.11be	6445 - 6525	100.184	20.01	116.708	20.67	71.879	18.57	200.909	23.03	187.932	22.74
7		802.11be	6565 - 6845	102.329	20.10	117.490	20.70	75.457	18.78	200.447	23.02	185.780	22.69
5		802.11be	5985 - 6385	103.086	20.13	113.214	20.54	83.234	19.20	204.174	23.10	195.884	22.92
6	80	802.11be	6465	79.360	19.00	87.136	19.40	51.133	17.09	158.855	22.01	137.088	21.37
7		802.11be	6545 - 6755	101.742	20.08	119.729	20.78	72.929	18.63	198.609	22.98	185.780	22.69
5	160	802.11be	6025 - 6345	102.589	20.11	107.127	20.30	84.217	19.25	204.644	23.11	198.609	22.98
6		802.11be	6505	78.995	18.98	91.180	19.60	54.288	17.35	158.855	22.01	143.549	21.57
7		802.11be	6665	100.832	20.04	115.292	20.62	72.111	18.58	201.837	23.05	186.638	22.71

EUT Overview Standard Power

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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 transmitter while operating in the 6GHz band.

Test Device Serial No.: KX6MJQJFF, X6YW4WNPM9, H9HHG40005J0000X4G, H9HHG40002Q0000X4G, FDJQJ4V2V6

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.

Standard Power (SP) mode is supported in U-NII Bands 5 and 7 for FCC and U-NII Bands 5, 6 and 7 for ISSED. Low Power Indoor (LPI) mode is supported in U-NII Bands 5, 6, 7, 8. Throughout report, data of Standard Power mode is denoted as SP while data of Low Power Indoor mode is denoted as LPI.

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Band 5

Ch.	Frequency (MHz)
1	5955
:	:
45	6175
:	:
93	6415

Band 6

Ch.	Frequency (MHz)
97	6435
:	:
105	6475
:	:
113	6515

Band 7

Ch.	Frequency (MHz)
117	6535
:	:
149	6695
:	:
185	6875

Band 8

Ch.	Frequency (MHz)
189	6895
:	:
209	6995
:	:
233	7115

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

Band 5

Ch.	Frequency (MHz)
3	5965
:	:
43	6165
:	:
91	6405

Band 6

Ch.	Frequency (MHz)
99	6445
:	:
107	6485
:	:
115	6525

Band 7

Ch.	Frequency (MHz)
123	6565
:	:
155	6725
:	:
179	6845

Band 8

Ch.	Frequency (MHz)
187	6885
:	:
211	7005
:	:
227	7085

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

Band 5

Ch.	Frequency (MHz)
7	5985
:	:
39	6145
:	:
87	6385

Band 6

Ch.	Frequency (MHz)
103	6465

Band 7

Ch.	Frequency (MHz)
119	6545
:	:
151	6705
:	:
183	6865

Band 8

Ch.	Frequency (MHz)
199	6945
:	:
215	7025

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

Band 5

Ch.	Frequency (MHz)
15	6025
:	:
47	6185
:	:
79	6345

Band 6

Ch.	Frequency (MHz)
111	6505

Band 7

Ch.	Frequency (MHz)
143	6665
:	:
175	6825

Band 8

Ch.	Frequency (MHz)
207	6985

Table 2-4. 802.11ax/be (160MHz BW) Frequency / Channel Operations

Notes:

- 6GHz NII operation is possible in 20MHz, 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)	97.836	0.095	98.560	0.063	98.378	0.071	97.836	0.095	98.197	0.079
a (Mid Data Rate)	96.383	0.160	96.161	0.170	96.161	0.170	96.139	0.171	96.161	0.170
a (High Data Rate)	93.004	0.315	92.790	0.325	93.004	0.315	93.154	0.308	93.197	0.306
be(SU) (EHT20) (Low Data Rate)	97.814	0.096	97.814	0.096	98.220	0.078	98.469	0.067	98.062	0.085
ax/be(SU) (EHT20) (Mid Data Rate)	94.254	0.257	94.428	0.249	94.016	0.268	94.428	0.249	94.493	0.246
ax/be(SU) (EHT20) (High Data Rate)	90.678	0.425	90.678	0.425	90.365	0.440	90.678	0.425	90.949	0.412
ax/be(SU) (EHT40) (Low Data Rate)	97.073	0.129	96.672	0.147	96.494	0.155	96.872	0.138	96.872	0.138
ax/be(SU) (EHT40) (Mid Data Rate)	91.054	0.407	90.928	0.413	91.096	0.405	91.096	0.405	90.866	0.416
ax/be(SU) (EHT40) (High Data Rate)	86.318	0.639	86.716	0.619	86.278	0.641	86.736	0.618	86.736	0.618
ax/be(SU) (EHT80) (Low Data Rate)	94.384	0.251	93.843	0.276	94.211	0.259	94.384	0.251	94.276	0.256
ax/be(SU) (EHT80) (Mid Data Rate)	86.457	0.632	86.457	0.632	86.417	0.634	86.636	0.623	86.020	0.654
ax/be(SU) (EHT80) (High Data Rate)	81.846	0.870	81.846	0.870	81.846	0.870	81.846	0.870	81.846	0.870
ax/be(SU) (EHT160) (Low Data Rate)	90.740	0.422	90.636	0.427	90.845	0.417	90.573	0.430	90.261	0.445
ax/be(SU) (EHT160) (Mid Data Rate)	81.264	0.901	80.984	0.916	81.846	0.870	81.264	0.901	81.208	0.904
ax/be(SU) (EHT160) (High Data Rate)	78.307	1.062	77.893	1.085	78.307	1.062	78.307	1.062	78.307	1.062

Table 2-5. Measured Duty Cycles

CDD/SDM Primary = Antenna WF5B + Antenna 4a

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

- 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
6GHz	11a	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗
	11be(SU) (20MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11be(SU) (40MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11be(SU) (80MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	11be(SU) (160MHz)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 2-6. 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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3. The device supports the following data rates (shown in Mbps):

802.11a	MCS Index		Spatial Stream	OFDM (802.11ax/be)												
20MHz				20MHz			40MHz			80MHz			160MHz			
	HE	EHT			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	
6	0	0	1	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	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	1	25.8	24.4	21.9	51.6	48.8	43.9	108.1	102.1	91.5	216.2	204.2	183.8	
18	3	3	1	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	1	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	1	68.8	65	58.5	137.6	130	117	288.2	272.2	245	576.5	544.4	490	
48	6	6	1	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	1	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	1	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	367.5	864.7	816.7	735	
-	9	9	1	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	0	0	2	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	1	1	2	34.4	32.5	29.3	68.8	65	58.5	144.1	136.1	122.5	288.2	272.2	245	
12	2	2	2	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	3	3	2	68.8	65	58.5	137.6	130	117	288.2	272.2	245	576.5	544.4	490	Mid Rate
24	4	4	2	103.2	97.5	87.8	206.5	195	175.5	432.4	408.3	367.5	864.7	816.7	735	
36	5	5	2	137.6	130	117	275.3	260	234	576.5	544.4	490	1152.9	1089	980	
48	6	6	2	154.9	146.3	131.6	309.8	292.6	263.3	648.5	612.5	551.3	1296.9	1225	1102.5	High Rate
54	7	7	2	172.1	162.5	146.3	344.1	325	292.5	720.6	680.6	612.5	1441.2	1361.1	1225	
-	8	8	2	206.5	195	175.5	412.9	390	351	864.7	816.7	735	1729.4	1633.3	1470	
-	9	9	2	229.4	216.7	195	458.8	433	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 2-7. Supported Data Rates

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

Antenna	Simultaneous Tx Config	Bluetooth 2.4GHz	Thread	WLAN	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 2-8. Simultaneous Transmission Configurations

✓ = Support; ✗ = Not Support

Note:

All the above simultaneous transmission configurations have been tested and the worst-case configuration was found to be Config 1 and reported in RF Bluetooth and RF UNII OFDM test reports.

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2.3 Antenna Description

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

UNII Band	Frequency [GHz]	Highest Antenna Gain (dBi)			Lowest Antenna Gain (dBi)		
		Antenna WF5B	Antenna 4a	Antenna 2a	Antenna WF5B	Antenna 4a	Antenna 2a
5	5.925 – 6.105	1.3	1.6	-1.5	0.7	-0.4	-2.6
	6.105 – 6.265	1.8	1.0	0.8	1.3	0.7	-0.9
	6.265 – 6.425	1.3	0.5	-0.3	1.3	0.5	-0.3
6	6.425 – 6.525	1.7	1.1	-0.1	1.7	1.1	-0.1
7	6.525 – 6.875	2.6	2.3	1.3	1.7	-0.6	0.0
8	6.875 – 7.125	3.5	-0.5	-0.3	2.6	-2.3	-1.9

Table 2-9. Antenna Gains

2.4 Test Support Equipment

1	Apple MacBook Pro w/AC/DC Adapter	Model: A2141 Model: A2166	S/N: C02H604EQ05D S/N: C4H042705ZNPM0WA6
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
6	Netgear	Model: RAXE500	S/N: 6JX215GA10A5

Table 2-10. Test Support Equipment List

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2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.10-2020, KDB 789033 D02 v02r01 and KDB 987594 D02 v03. ANSI C63.10-2020 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing. See Sections 3.3 for AC line conducted emissions test setups, 3.3 for radiated emissions test setups, and 7.2, 7.3, 7.4, and 7.5 for antenna port conducted emissions test setups.

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

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

The EUT was manipulated through three orthogonal planes of X-orientation (flatbed), Y-orientation (landscape), and Z-orientation (portrait) during the testing. Only the worst case emissions were reported in this test report.

For AC line conducted and radiated test below 1GHz, following configuration were investigated and the worst cases were reported.

- 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.

802.11be HE20/40/80/160 2TX SDM mode test data provided in this report covers 802.11be HE20/40/80/160 2TX STBC mode.

The data rates have been categorized into three groups: low, middle, and high data rates (see Table 2-7). All three groups have been investigated, and only the worst-case data rate has been reported.

For 802.11be-RU test results, see separate UNII 6GHz OFDMA report 1C2504170039-25.BCG.

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 7.9. 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	-
Fairview Microwave	FM2CP1122-10	Directional Coupler *	6/10/2025	Annual	6/10/2026	1946
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
Mini-Circuits	ZN2PD-9G	Power Splitter*	8/16/2024	Annual	8/16/2025	SF456200530
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
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/21/2024	Annual	10/21/2025	187423
Rohde & Schwarz	CMX500	Wideband Radio Communication Tester	6/21/2024	Annual	6/21/2025	101898
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: 15E 6GHz Low Power Dual Client (6CD)

FCC Part Section(s) / KDB Reference	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
2.1049, 15.407(a)(11)	RSS Gen [6.7], RSS-248 [4.4]	Occupied Bandwidth/ 26dB Bandwidth	99% of the occupied bandwidth of any channel must be contained within each of its respective U-NII sub bands < 320MHz (5.925 - 7.125GHz)	CONDUCTED	PASS	Section 7.2
15.407(a)(8)	RSS-248 [4.5.3]	Maximum Power Spectral Density	< -1dBm/MHz e.i.r.p. for Low Power Indoor		PASS	Section 7.4
15.407(a)(7)	RSS-248 [4.5.5]		< 17dBm/MHz e.i.r.p. for Standard Power		PASS	
15.407(a)(8)	RSS-248 [4.5.3]	Maximum EIRP	< 24dBm over the frequency band of operation		PASS	Section 7.3
15.407(a)(7)	RSS-248 [4.5.5]		< 30dBm over the frequency band of operation		PASS	
15.407(b)(7)	RSS-248 [4.6.2]	In-Band Emissions	EUT must meet the limits detailed in 15.407(b)(7) and RSS-248 [4.6.2] b)		PASS	Section 7.5
15.407(d)(6)	RSS-248 [4.7]	Contention Based Protocol	EUT must detect AWGN signal with 90% (or better) certainty		PASS	Section 7.6
15.407(a)(7)	RSS-248 [4.5.5]	Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point	EUT maintains its power level at least 6 dB lower than that of the standard-power access point		PASS	See UNII 6GHz OFDMA Report 1C25041700 39-25.BCG
987594 D02 v03	987594 D02 v03	Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP	EUT maximum power level shall not exceed 30dBm EIRP when connected to Standard Power AP, and 24dBm EIRP when connected to Low Power Indoor AP		PASS	
15.407(b)(6)	RSS-248 [4.6.2]	Undesirable Emissions	< -27dBm/MHz e.i.r.p. outside of the 5.925 – 7.125GHz band	RADIATED	PASS	Section 7.7
15.205, 15.209	RSS-248 [4.6.2] 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 7.7, 7.8
15.407(b)(9)	RSS-Gen [8.8]	AC Conducted Emissions (150kHz – 30MHz)	< FCC 15.207 (RSS-Gen [8.8]) limits	LINE CONDUCTED	PASS	Section 7.9

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.
- 6) All radiated measurements were tested at the highest supported power setting per band.

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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.

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 were investigated, and tabular data has been reported. Only the worst-case plot was reported.

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 17 of 239

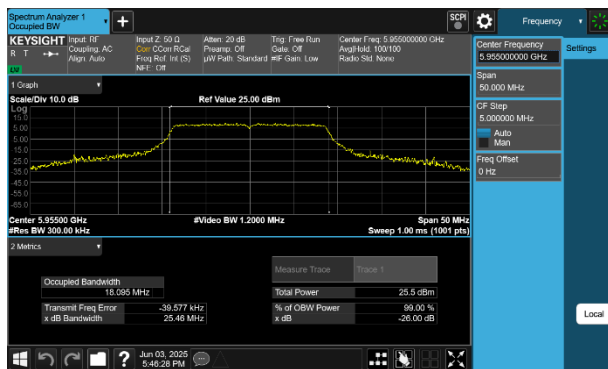
V 11.0 5/2025

7.2.1 Antenna WF5B 26dB & 99% Bandwidth Measurements – SP

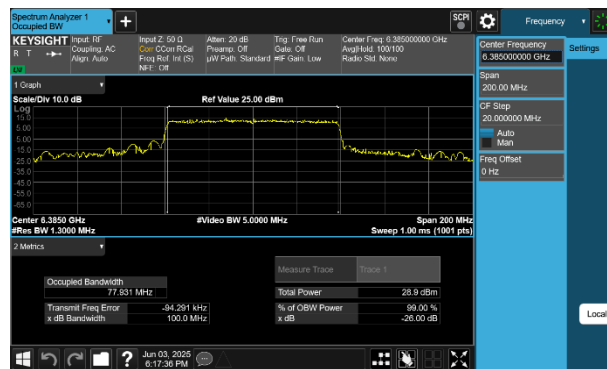
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	6Mbps	18.09	25.46	320	Pass
	6175	45	a	6Mbps	18.06	22.98	320	Pass
	6415	93	a	6Mbps	18.10	25.08	320	Pass
	5955	1	be (20MHz)	MCS0	19.06	23.52	320	Pass
	6175	45	be (20MHz)	MCS0	19.12	24.30	320	Pass
	6415	93	be (20MHz)	MCS0	19.10	24.33	320	Pass
	5965	3	be (40MHz)	MCS0	38.16	47.36	320	Pass
	6165	43	be (40MHz)	MCS5	38.06	45.15	320	Pass
	6405	91	be (40MHz)	MCS3	38.25	60.40	320	Pass
	5985	7	be (80MHz)	MCS0	77.83	97.21	320	Pass
	6145	39	be (80MHz)	MCS0	77.91	99.99	320	Pass
	6385	87	be (80MHz)	MCS0	77.93	100.03	320	Pass
	6025	15	be (160MHz)	MCS5	156.63	177.42	320	Pass
	6185	47	be (160MHz)	MCS5	156.49	176.19	320	Pass
Band 6	6345	79	be (160MHz)	MCS5	156.70	180.15	320	Pass
	6435	97	a	6Mbps	18.01	22.64	320	Pass
	6475	105	a	6Mbps	18.06	23.08	320	Pass
	6515	113	a	6Mbps	18.12	25.26	320	Pass
	6435	97	be (20MHz)	MCS0	19.07	23.03	320	Pass
	6475	105	be (20MHz)	MCS0	19.16	23.15	320	Pass
	6515	113	be (20MHz)	MCS0	19.09	23.48	320	Pass
	6445	99	be (40MHz)	MCS0	38.16	44.68	320	Pass
	6485	107	be (40MHz)	MCS3	38.21	45.14	320	Pass
	6525	115	be (40MHz)	MCS3	38.08	44.76	320	Pass
	6465	103	be (80MHz)	MCS0	77.71	97.26	320	Pass
	6505	111	be (160MHz)	MCS0	156.70	165.30	320	Pass
Band 7	6535	117	a	6Mbps	18.05	23.39	320	Pass
	6695	149	a	6Mbps	18.12	23.68	320	Pass
	6855	181	a	6Mbps	18.31	27.34	320	Pass
	6535	117	be (20MHz)	MCS0	19.06	23.03	320	Pass
	6695	149	be (20MHz)	MCS0	19.09	23.56	320	Pass
	6855	181	be (20MHz)	MCS0	19.13	25.24	320	Pass
	6725	155	be (40MHz)	MCS0	38.12	47.19	320	Pass
	6845	179	be (40MHz)	MCS3	38.26	60.51	320	Pass
	6545	119	be (80MHz)	MCS0	77.88	99.80	320	Pass
	6705	151	be (80MHz)	MCS0	77.90	100.71	320	Pass
	6785	167	be (80MHz)	MCS0	77.91	97.24	320	Pass
	6665	143	be (160MHz)	MCS5	156.63	178.91	320	Pass

Table 7-2. Conducted Bandwidth Measurements Antenna WF5B

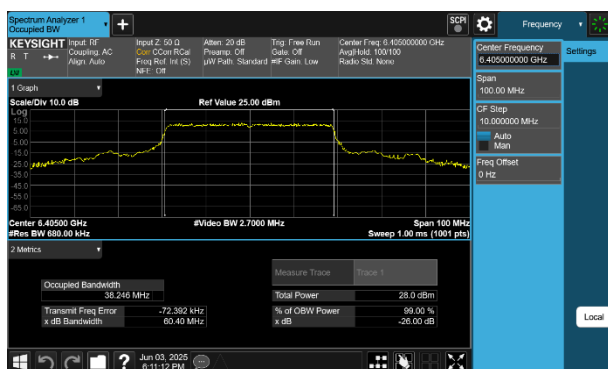
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 18 of 239



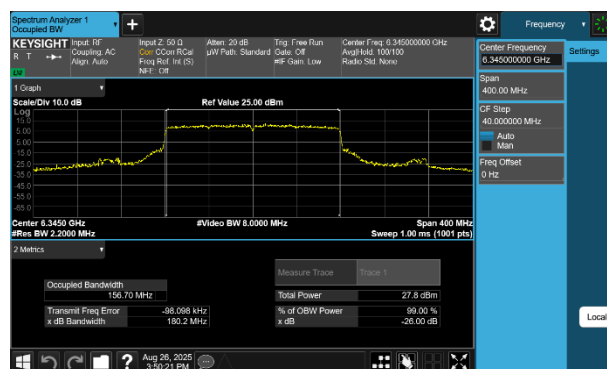
Plot 7-1 26dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11a - Ch.1)



Plot 7-3 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11be(SU) - Ch.87)



Plot 7-2 26dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11be(SU) - Ch.91)

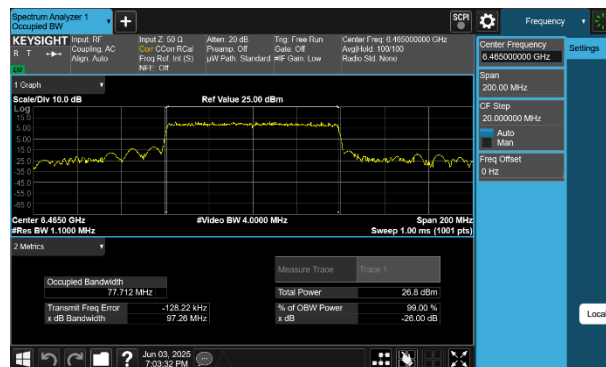


Plot 7-4 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11be(SU) - Ch.79)

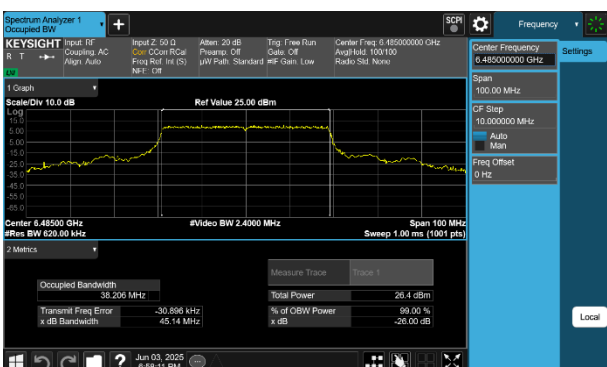
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 19 of 239



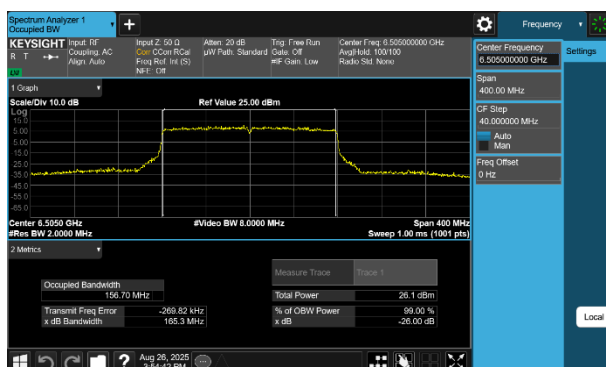
Plot 7-5 26dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11a - Ch.113)



Plot 7-7 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-6 26dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11be(SU) - Ch.107)

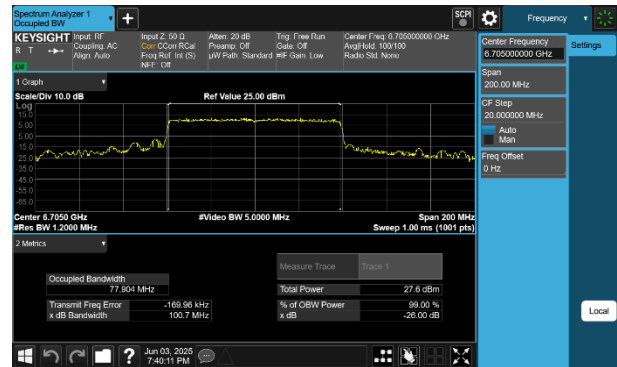


Plot 7-8 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11be(SU) - Ch.111)

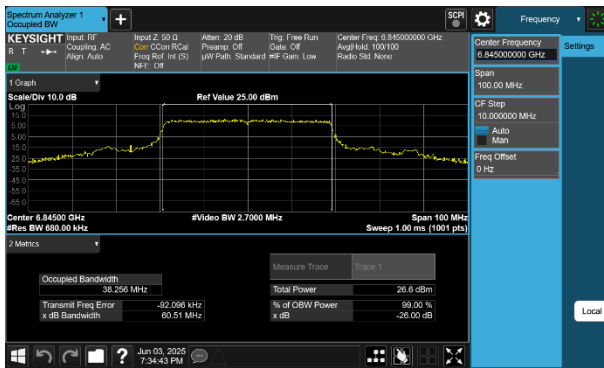
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 20 of 239



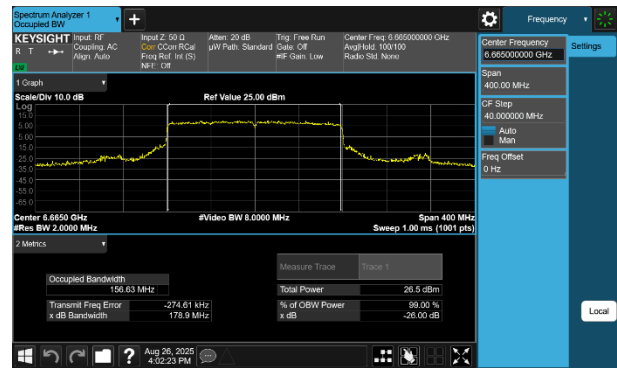
Plot 7-9 26dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11a - Ch.181)



Plot 7-11 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-10 26dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11be(SU) - Ch.179)



Plot 7-12 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11be(SU) - Ch.143)

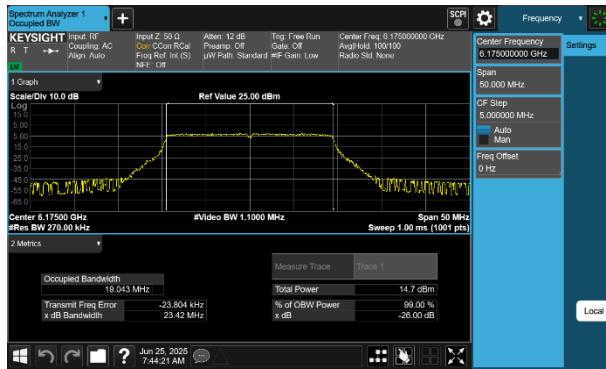
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 21 of 239	

7.2.2 Antenna WF5B 26dB & 99% Bandwidth Measurements – LPI

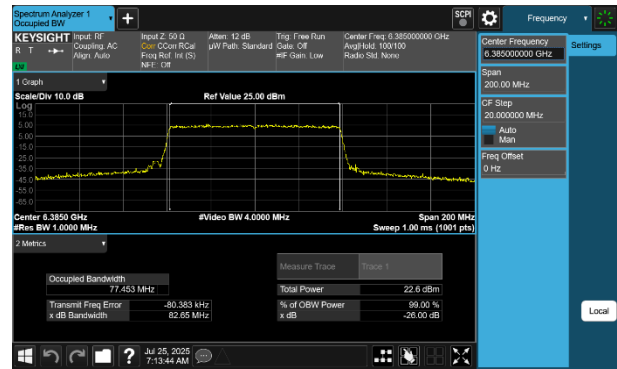
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	12Mbps	17.85	22.41	320	Pass
	6175	45	a	12Mbps	17.83	22.62	320	Pass
	6415	93	a	6Mbps	17.96	22.56	320	Pass
	5955	1	be (20MHz)	MCS0	19.04	22.89	320	Pass
	6175	45	be (20MHz)	MCS0	19.04	23.42	320	Pass
	6415	93	be (20MHz)	MCS0	19.06	22.59	320	Pass
	5965	3	be (40MHz)	MCS5	38.00	44.12	320	Pass
	6165	43	be (40MHz)	MCS0	38.02	44.51	320	Pass
	6405	91	be (40MHz)	MCS0	38.02	44.35	320	Pass
	5985	7	be (80MHz)	MCS5	77.46	82.58	320	Pass
	6145	39	be (80MHz)	MCS3	77.50	82.64	320	Pass
	6385	87	be (80MHz)	MCS3	77.45	82.65	320	Pass
	6025	15	be (160MHz)	MCS5	156.59	175.11	320	Pass
	6185	47	be (160MHz)	MCS5	156.69	175.43	320	Pass
Band 6	6345	79	be (160MHz)	MCS5	156.47	174.55	320	Pass
	6435	97	a	6Mbps	17.94	23.08	320	Pass
	6475	105	a	6Mbps	17.97	22.56	320	Pass
	6515	113	a	6Mbps	17.95	23.12	320	Pass
	6435	97	be (20MHz)	MCS0	19.11	22.92	320	Pass
	6475	105	be (20MHz)	MCS0	19.06	22.94	320	Pass
	6515	113	be (20MHz)	MCS0	19.04	22.56	320	Pass
	6445	99	be (40MHz)	MCS0	38.02	44.82	320	Pass
	6485	107	be (40MHz)	MCS0	38.03	44.47	320	Pass
	6525	115	be (40MHz)	MCS0	38.02	44.12	320	Pass
	6465	103	be (80MHz)	MCS5	77.56	82.50	320	Pass
	6505	111	be (160MHz)	MCS5	156.59	174.64	320	Pass
	6535	117	a	6Mbps	17.97	22.70	320	Pass
	6695	149	a	6Mbps	17.97	22.73	320	Pass
Band 7	6875	185	a	6Mbps	17.95	22.66	320	Pass
	6535	117	be (20MHz)	MCS0	19.07	22.82	320	Pass
	6695	149	be (20MHz)	MCS0	19.08	23.02	320	Pass
	6875	185	be (20MHz)	MCS0	19.04	22.90	320	Pass
	6725	155	be (40MHz)	MCS5	38.02	44.08	320	Pass
	6845	179	be (40MHz)	MCS0	38.01	44.56	320	Pass
	6545	119	be (80MHz)	MCS3	77.50	82.61	320	Pass
	6705	151	be (80MHz)	MCS0	77.42	82.74	320	Pass
	6865	183	be (80MHz)	MCS3	77.47	82.62	320	Pass
	6665	143	be (160MHz)	MCS5	156.45	174.16	320	Pass
	6825	175	be (160MHz)	MCS5	156.63	171.96	320	Pass
	6895	189	a	6Mbps	17.96	23.06	320	Pass
	6995	209	a	6Mbps	17.98	22.53	320	Pass
	7115	233	a	6Mbps	17.98	23.00	320	Pass
Band 8	6895	189	be (20MHz)	MCS0	19.04	22.66	320	Pass
	6995	209	be (20MHz)	MCS0	19.02	22.79	320	Pass
	7115	233	be (20MHz)	MCS0	19.07	22.95	320	Pass
	6885	187	be (40MHz)	MCS5	37.99	44.55	320	Pass
	7005	211	be (40MHz)	MCS0	38.12	44.35	320	Pass
	7085	227	be (40MHz)	MCS0	38.10	44.37	320	Pass
	6945	199	be (80MHz)	MCS3	77.56	82.45	320	Pass
	7025	215	be (80MHz)	MCS5	77.47	82.65	320	Pass
	6985	207	be (160MHz)	MCS5	156.71	177.16	320	Pass

Table 7-3. Conducted Bandwidth Measurements Antenna WF5B

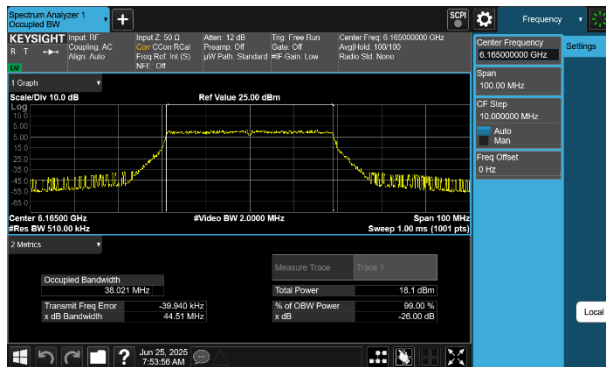
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 22 of 239



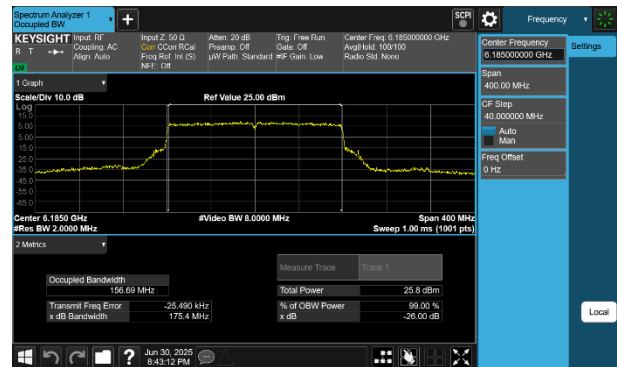
Plot 7-13 26dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11be(SU) - Ch.45)



Plot 7-15 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11be(SU) - Ch.87)



Plot 7-14 26dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11be(SU) - Ch.43)

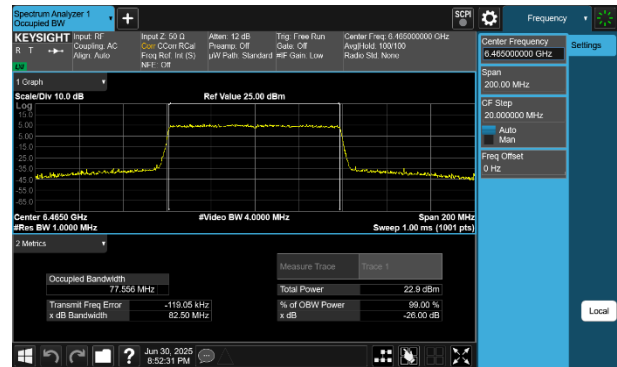


Plot 7-16 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11be(SU) - Ch.47)

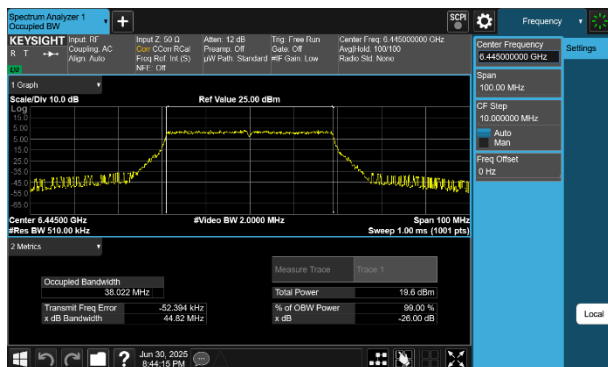
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 23 of 239



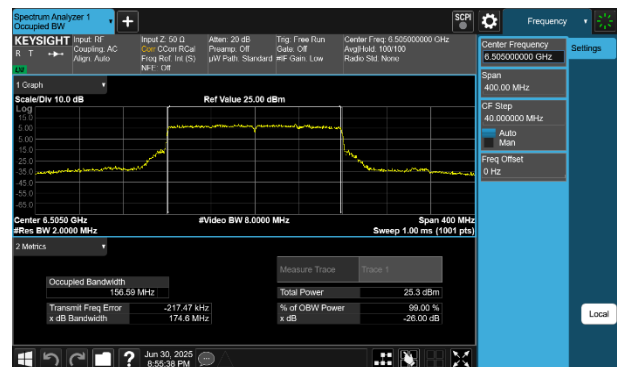
Plot 7-17 26dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11a - Ch.113)



Plot 7-19 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11be(SU) - Ch.103)

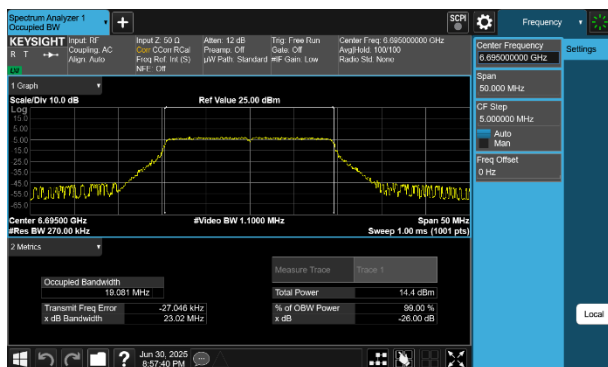


Plot 7-18 26dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11be(SU) - Ch.99)

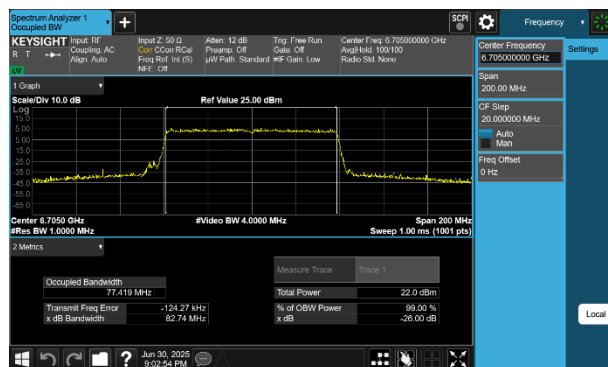


Plot 7-20 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11be(SU) - Ch.111)

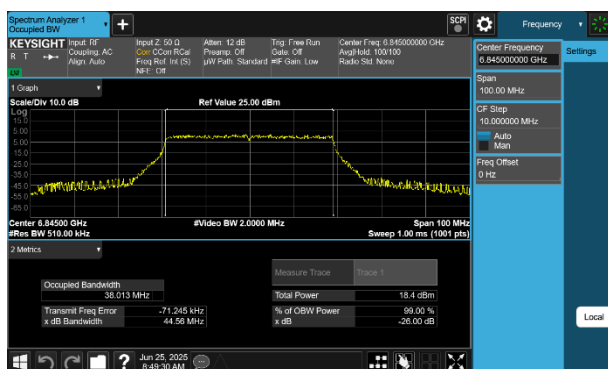
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 24 of 239



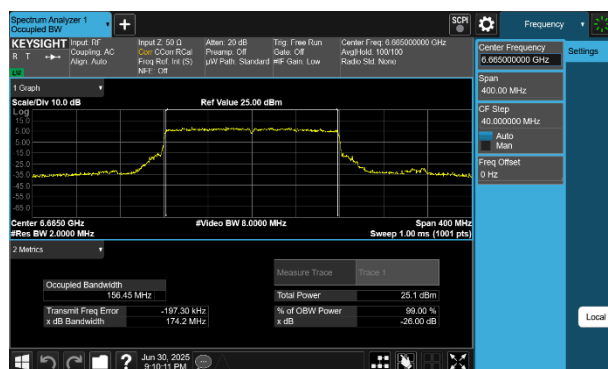
Plot 7-21 26dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11be(SU) - Ch.149)



Plot 7-23 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11be(SU) - Ch.151)

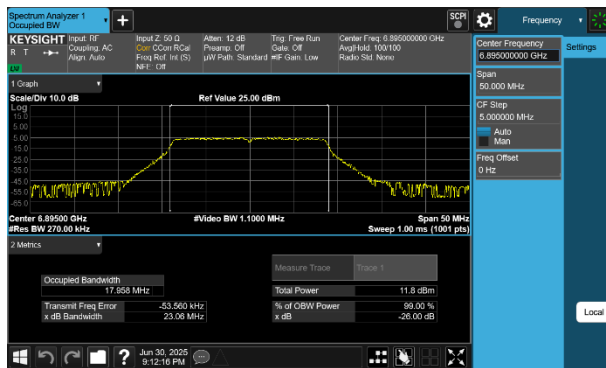


Plot 7-22 26dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11be(SU) - Ch.179)

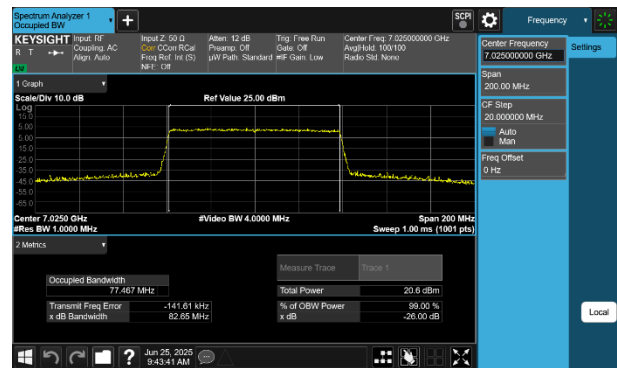


Plot 7-24 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11be(SU) - Ch.143)

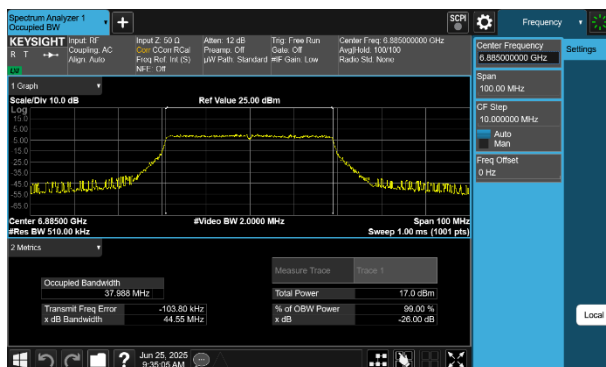
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 25 of 239	



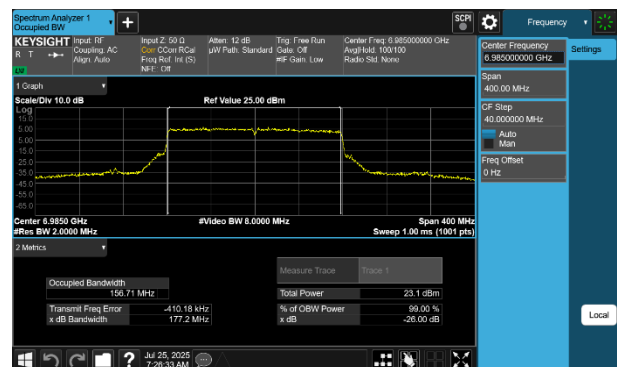
Plot 7-25 26dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11a - Ch.189)



Plot 7-27 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-26 26dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11be(SU) - Ch.187)



Plot 7-28 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11be(SU) - Ch.207)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 26 of 239

7.2.3 Antenna 4a 26dB & 99% Bandwidth Measurements – SP

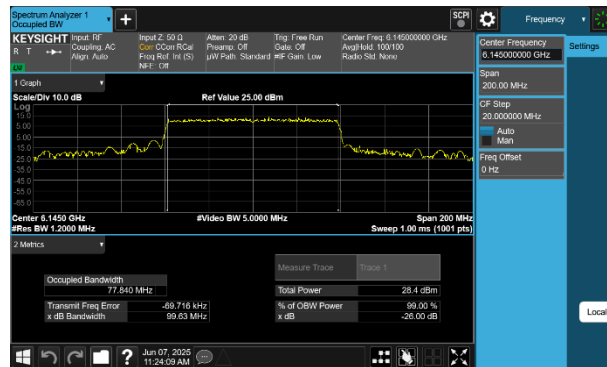
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	6Mbps	18.05	24.18	320	Pass
	6175	45	a	6Mbps	18.03	24.24	320	Pass
	6415	93	a	6Mbps	18.12	25.15	320	Pass
	5955	1	be (20MHz)	MCS0	19.09	23.53	320	Pass
	6175	45	be (20MHz)	MCS0	19.11	23.33	320	Pass
	6415	93	be (20MHz)	MCS0	19.09	23.19	320	Pass
	5965	3	be (40MHz)	MCS3	38.22	45.03	320	Pass
	6165	43	be (40MHz)	MCS3	38.18	44.39	320	Pass
	6405	91	be (40MHz)	MCS5	38.09	44.95	320	Pass
	5985	7	be (80MHz)	MCS0	77.96	98.64	320	Pass
	6145	39	be (80MHz)	MCS0	77.84	99.63	320	Pass
	6385	87	be (80MHz)	MCS0	77.71	97.00	320	Pass
	6025	15	be (160MHz)	MCS5	156.91	165.43	320	Pass
	6185	47	be (160MHz)	MCS5	156.77	179.98	320	Pass
Band 6	6345	79	be (160MHz)	MCS5	156.78	181.12	320	Pass
	6435	97	a	6Mbps	18.09	22.86	320	Pass
	6475	105	a	6Mbps	18.04	24.15	320	Pass
	6515	113	a	6Mbps	18.01	22.83	320	Pass
	6435	97	be (20MHz)	MCS0	19.03	23.05	320	Pass
	6475	105	be (20MHz)	MCS0	19.05	23.40	320	Pass
	6515	113	be (20MHz)	MCS0	19.10	23.34	320	Pass
	6445	99	be (40MHz)	MCS0	38.23	44.58	320	Pass
	6485	107	be (40MHz)	MCS3	38.09	44.03	320	Pass
	6525	115	be (40MHz)	MCS0	38.10	47.66	320	Pass
	6465	103	be (80MHz)	MCS0	77.94	97.35	320	Pass
	6505	111	be (160MHz)	MCS5	156.73	180.61	320	Pass
Band 7	6535	117	a	6Mbps	17.99	22.68	320	Pass
	6695	149	a	6Mbps	18.07	23.78	320	Pass
	6855	181	a	6Mbps	18.10	24.10	320	Pass
	6535	117	be (20MHz)	MCS0	19.12	23.27	320	Pass
	6695	149	be (20MHz)	MCS0	19.08	22.77	320	Pass
	6855	181	be (20MHz)	MCS5	19.05	22.81	320	Pass
	6725	155	be (40MHz)	MCS0	38.25	48.55	320	Pass
	6845	179	be (40MHz)	MCS5	38.11	45.01	320	Pass
	6545	119	be (80MHz)	MCS0	77.73	96.82	320	Pass
	6705	151	be (80MHz)	MCS0	77.79	96.50	320	Pass
	6785	167	be (80MHz)	MCS0	77.81	97.15	320	Pass
	6665	143	be (160MHz)	MCS5	156.54	179.67	320	Pass

Table 7-4. Conducted Bandwidth Measurements Antenna 4a

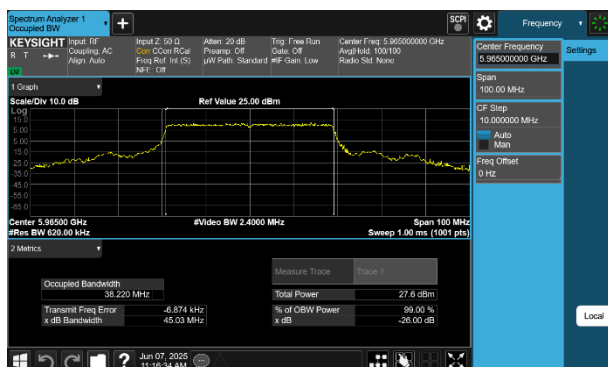
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 27 of 239



Plot 7-29 26dB BW & 99% OBW Antenna 4a (20MHz BW 802.11a - Ch.93)



Plot 7-31 26dB BW & 99% OBW Antenna 4a (80MHz BW 802.11be(SU) - Ch.39)

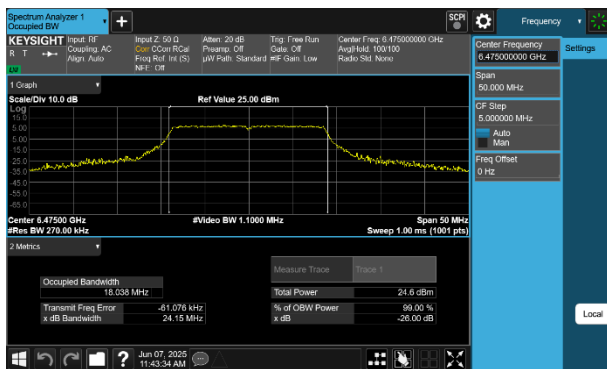


Plot 7-30 26dB BW & 99% OBW Antenna 4a (40MHz BW 802.11be(SU) - Ch.3)

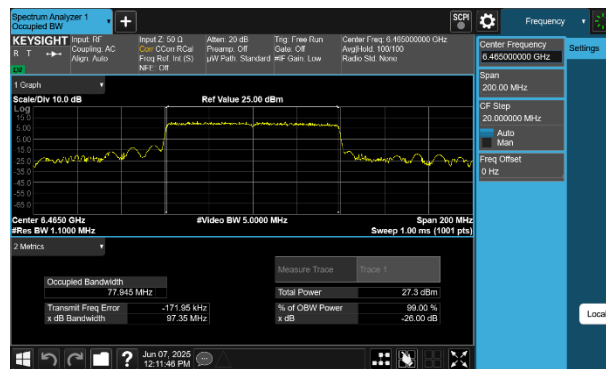


Plot 7-32 26dB BW & 99% OBW Antenna 4a (160MHz BW 802.11be(SU) - Ch.79)

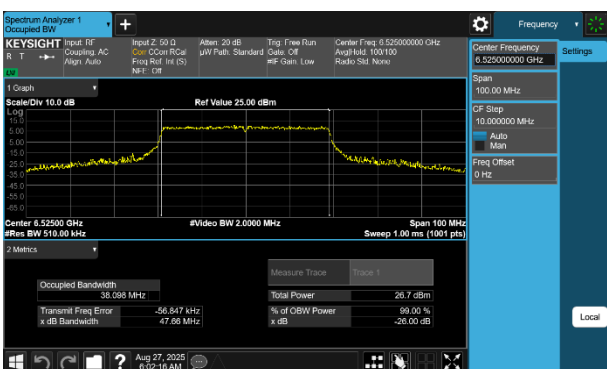
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 28 of 239



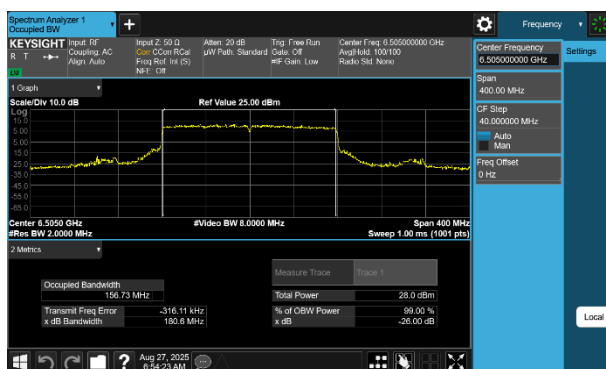
Plot 7-33 26dB BW & 99% OBW Antenna 4a (20MHz BW 802.11a - Ch.105)



Plot 7-35 26dB BW & 99% OBW Antenna 4a (80MHz BW 802.11be(SU) - Ch.103)

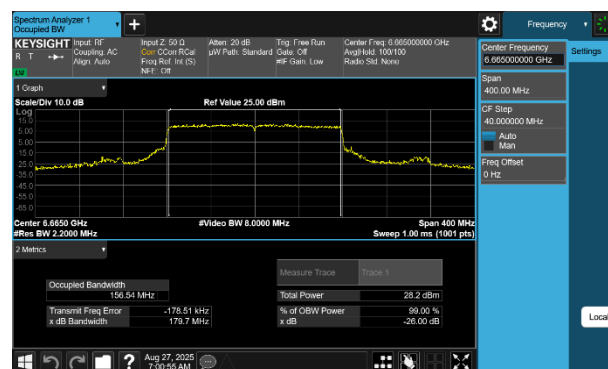
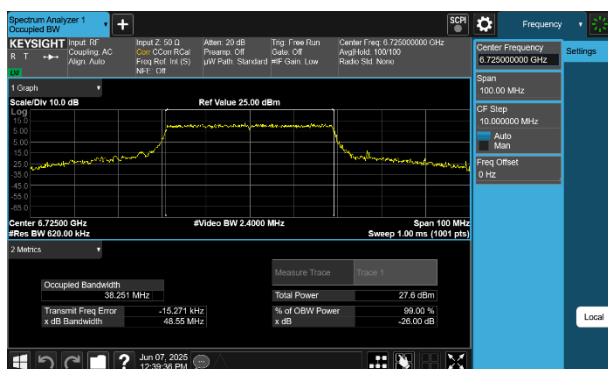
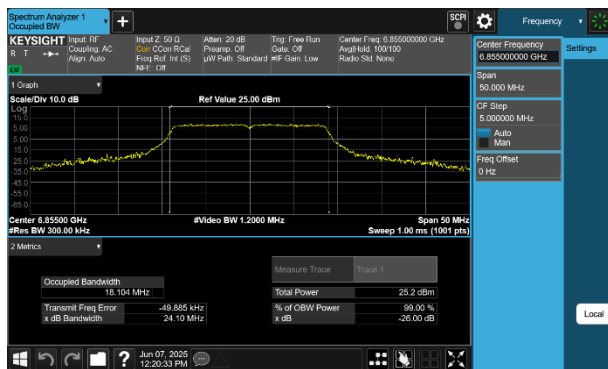


Plot 7-34 26dB BW & 99% OBW Antenna 4a (40MHz BW 802.11be(SU) - Ch.115)



Plot 7-36 26dB BW & 99% OBW Antenna 4a (160MHz BW 802.11be(SU) - Ch.111)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 29 of 239



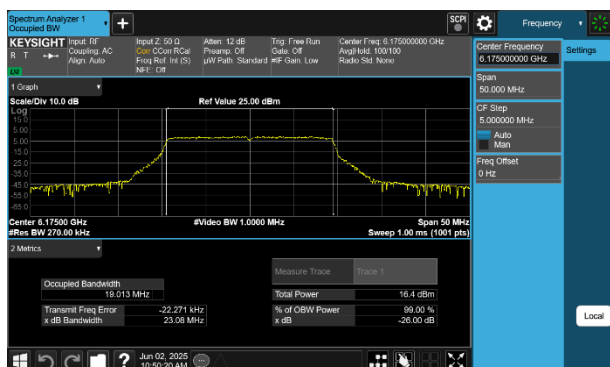
FCC ID: BCGA3358 IC: 579C-A3358	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 30 of 239

7.2.4 Antenna 4a 26dB & 99% Bandwidth Measurements – LPI

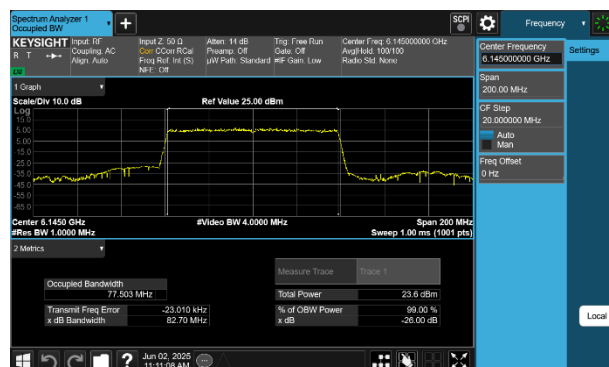
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	6Mbps	17.97	22.89	320	Pass
	6175	45	a	6Mbps	17.96	23.04	320	Pass
	6415	93	a	6Mbps	17.95	22.83	320	Pass
	5955	1	be (20MHz)	MCS0	19.04	22.91	320	Pass
	6175	45	be (20MHz)	MCS0	19.01	23.08	320	Pass
	6415	93	be (20MHz)	MCS0	19.07	22.68	320	Pass
	5965	3	be (40MHz)	MCS5	38.04	44.27	320	Pass
	6165	43	be (40MHz)	MCS0	38.02	44.54	320	Pass
	6405	91	be (40MHz)	MCS3	38.05	44.54	320	Pass
	5985	7	be (80MHz)	MCS0	77.48	82.67	320	Pass
	6145	39	be (80MHz)	MCS0	77.50	82.70	320	Pass
	6385	87	be (80MHz)	MCS0	77.53	82.41	320	Pass
	6025	15	be (160MHz)	MCS5	156.47	169.88	320	Pass
	6185	47	be (160MHz)	MCS0	156.54	165.24	320	Pass
Band 6	6345	79	be (160MHz)	MCS5	156.58	165.19	320	Pass
	6435	97	a	6Mbps	17.96	22.39	320	Pass
	6475	105	a	6Mbps	17.98	22.70	320	Pass
	6515	113	a	6Mbps	17.95	22.70	320	Pass
	6435	97	be (20MHz)	MCS0	19.07	22.77	320	Pass
	6475	105	be (20MHz)	MCS0	19.08	23.43	320	Pass
	6515	113	be (20MHz)	MCS0	19.02	22.85	320	Pass
	6445	99	be (40MHz)	MCS5	38.03	44.24	320	Pass
	6485	107	be (40MHz)	MCS0	38.02	44.09	320	Pass
	6525	115	be (40MHz)	MCS0	38.04	44.40	320	Pass
	6465	103	be (80MHz)	MCS0	77.48	82.59	320	Pass
	6505	111	be (160MHz)	MCS0	156.63	165.12	320	Pass
	6535	117	a	6Mbps	17.97	22.85	320	Pass
	6695	149	a	6Mbps	17.95	22.40	320	Pass
Band 7	6875	185	a	6Mbps	17.99	22.98	320	Pass
	6535	117	be (20MHz)	MCS0	19.04	22.99	320	Pass
	6695	149	be (20MHz)	MCS0	19.02	22.80	320	Pass
	6875	185	be (20MHz)	MCS0	19.01	22.83	320	Pass
	6725	155	be (40MHz)	MCS0	38.07	44.44	320	Pass
	6845	179	be (40MHz)	MCS0	38.01	44.04	320	Pass
	6545	119	be (80MHz)	MCS3	77.58	82.58	320	Pass
	6705	151	be (80MHz)	MCS3	77.61	82.42	320	Pass
	6865	183	be (80MHz)	MCS3	77.44	82.75	320	Pass
	6665	143	be (160MHz)	MCS3	156.58	164.38	320	Pass
	6825	175	be (160MHz)	MCS5	156.57	174.21	320	Pass
	6895	189	a	6Mbps	17.97	22.73	320	Pass
	6995	209	a	6Mbps	17.99	23.11	320	Pass
	7115	233	a	6Mbps	17.95	23.06	320	Pass
Band 8	6895	189	be (20MHz)	MCS0	19.09	22.91	320	Pass
	6995	209	be (20MHz)	MCS0	19.08	22.89	320	Pass
	7115	233	be (20MHz)	MCS0	19.09	22.93	320	Pass
	6885	187	be (40MHz)	MCS0	38.03	44.14	320	Pass
	7005	211	be (40MHz)	MCS0	38.01	44.35	320	Pass
	7085	227	be (40MHz)	MCS5	38.04	43.98	320	Pass
	6945	199	be (80MHz)	MCS5	77.50	82.38	320	Pass
	7025	215	be (80MHz)	MCS0	77.56	82.74	320	Pass
	6985	207	be (160MHz)	MCS5	156.88	182.81	320	Pass

Table 7-5. Conducted Bandwidth Measurements Antenna 4a

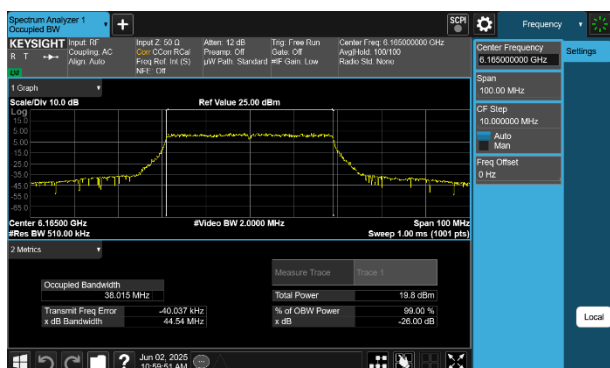
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 31 of 239



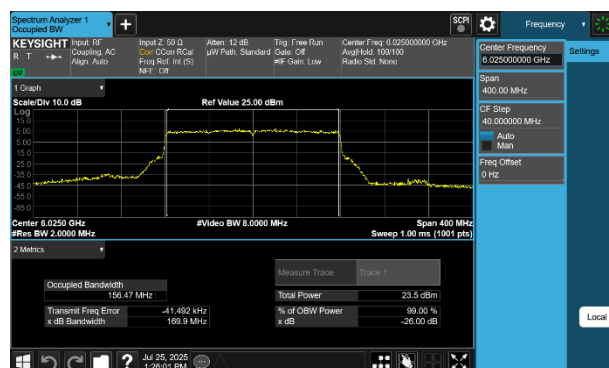
Plot 7-41 26dB BW & 99% OBW Antenna 4a (20MHz BW 802.11be(SU) - Ch.45)



Plot 7-43 26dB BW & 99% OBW Antenna 4a (80MHz BW 802.11be(SU) - Ch.39)

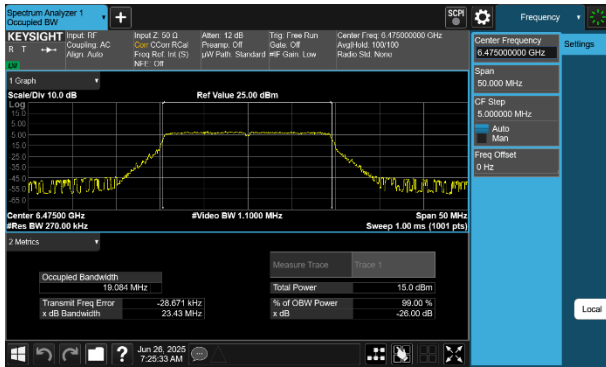


Plot 7-42 26dB BW & 99% OBW Antenna 4a (40MHz BW 802.11be(SU) - Ch.43)

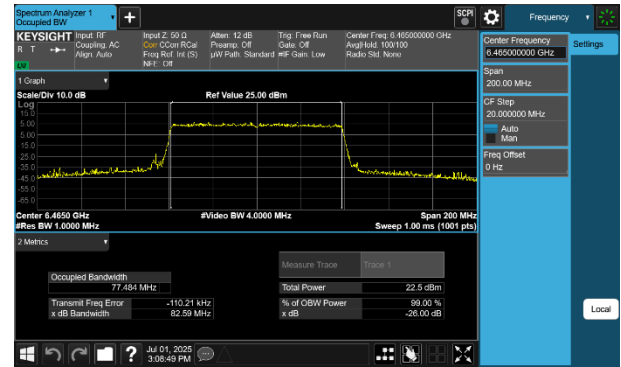


Plot 7-44 26dB BW & 99% OBW Antenna 4a (160MHz BW 802.11be(SU) - Ch.15)

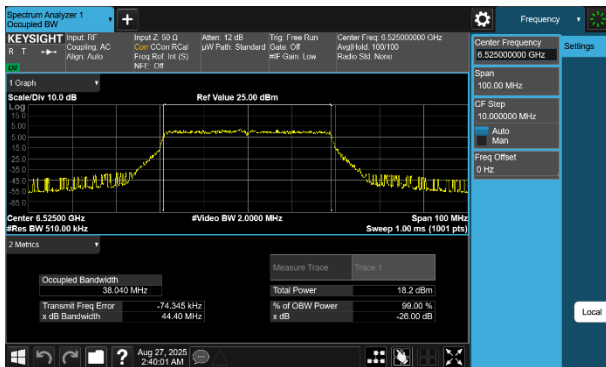
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 32 of 239	



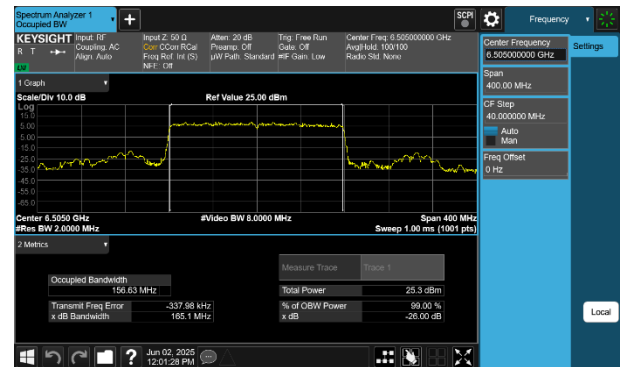
Plot 7-45 26dB BW & 99% OBW Antenna 4a (20MHz BW 802.11be(SU) - Ch.105)



Plot 7-47 26dB BW & 99% OBW Antenna 4a (80MHz BW 802.11be(SU) - Ch.103)

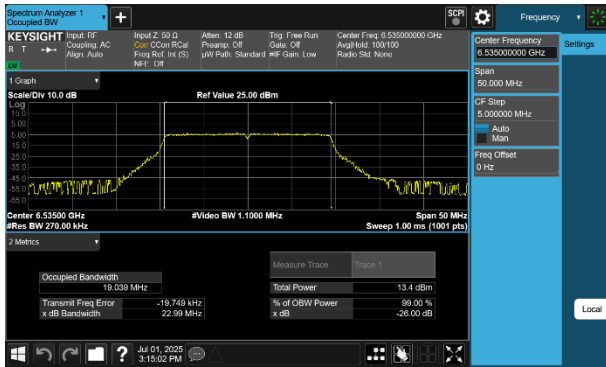


Plot 7-46 26dB BW & 99% OBW Antenna 4a (40MHz BW 802.11be(SU) - Ch.115)

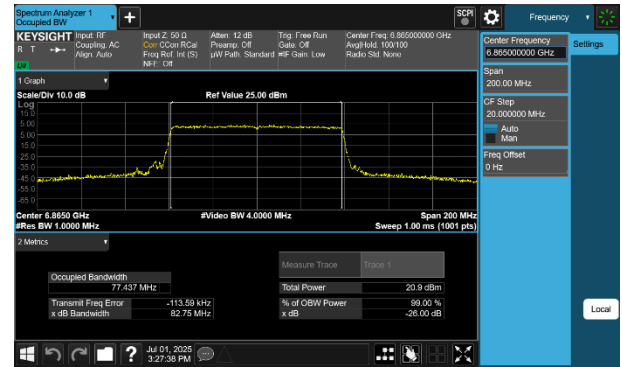


Plot 7-48 26dB BW & 99% OBW Antenna 4a (160MHz BW 802.11be(SU) - Ch.111)

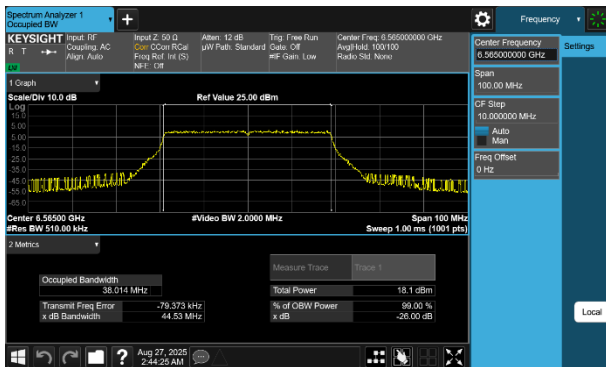
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 33 of 239	



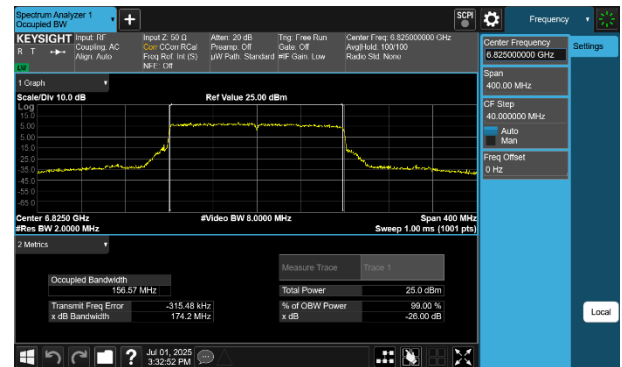
Plot 7-49 26dB BW & 99% OBW Antenna 4a (20MHz BW 802.11be(SU) - Ch.117)



Plot 7-51 26dB BW & 99% OBW Antenna 4a (80MHz BW 802.11be(SU) - Ch.183)

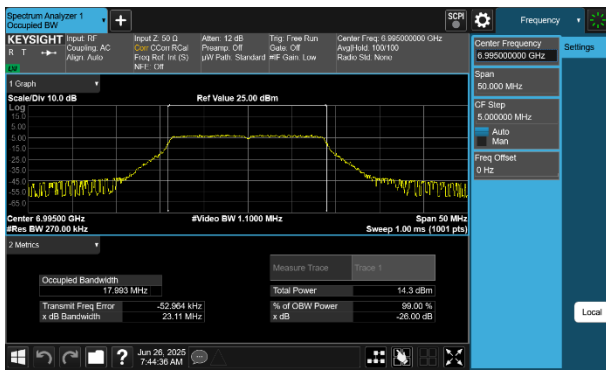


Plot 7-50 26dB BW & 99% OBW Antenna 4a (40MHz BW 802.11be(SU) - Ch.123)

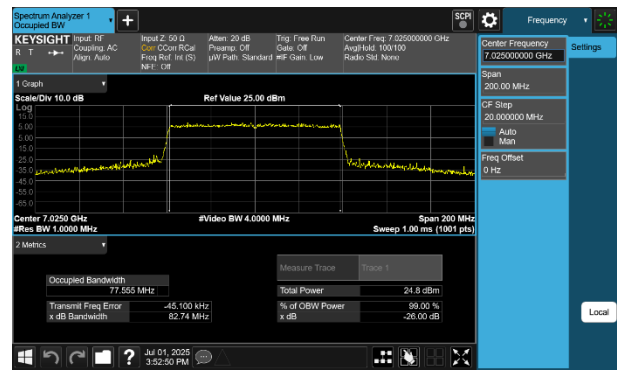


Plot 7-52 26dB BW & 99% OBW Antenna 4a (160MHz BW 802.11be(SU) - Ch.175)

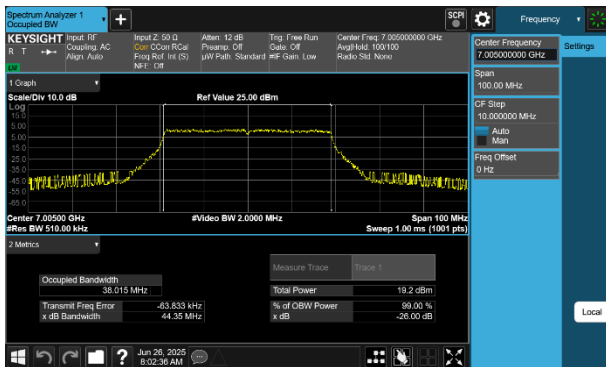
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 34 of 239	



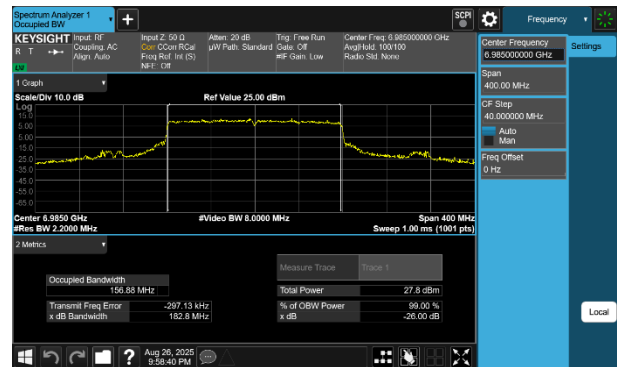
Plot 7-53 26dB BW & 99% OBW Antenna 4a (20MHz BW 802.11a - Ch.209)



Plot 7-55 26dB BW & 99% OBW Antenna 4a (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-54 26dB BW & 99% OBW Antenna 4a (40MHz BW 802.11be(SU) - Ch.211)



Plot 7-56 26dB BW & 99% OBW Antenna 4a (160MHz BW 802.11be(SU) - Ch.207)

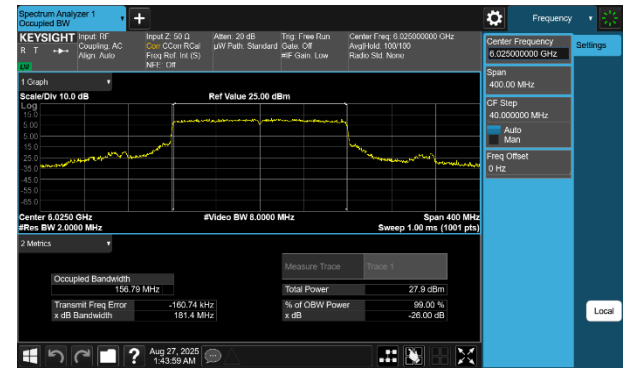
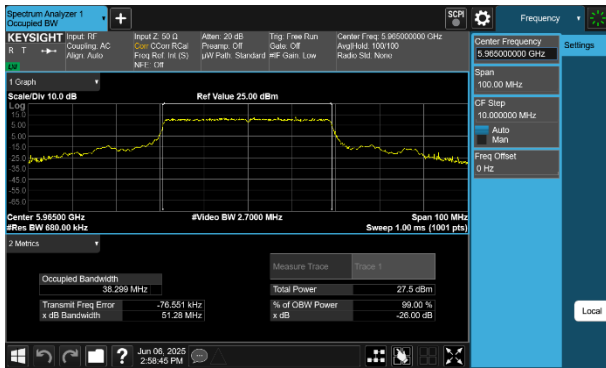
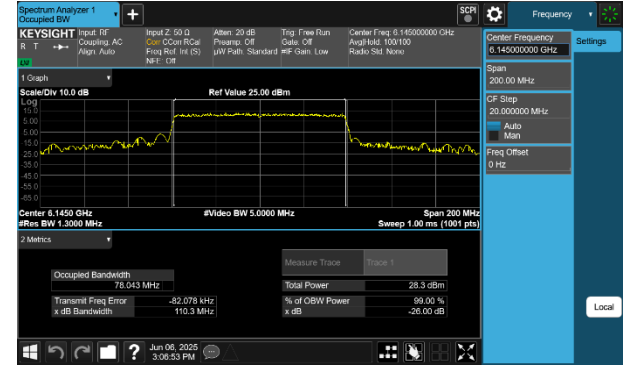
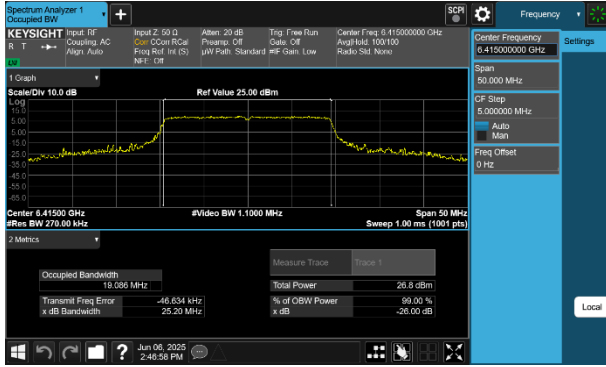
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 35 of 239	

7.2.5 Antenna 2a 26dB & 99% Bandwidth Measurements – SP

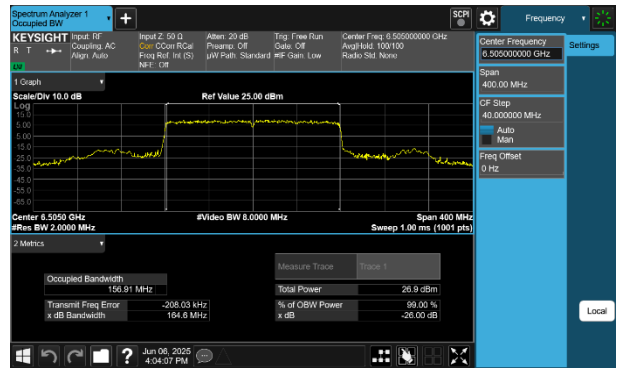
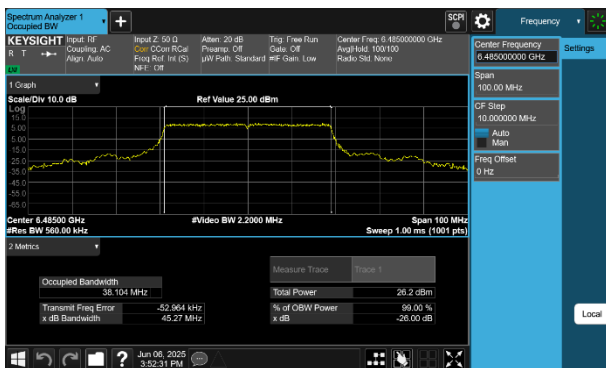
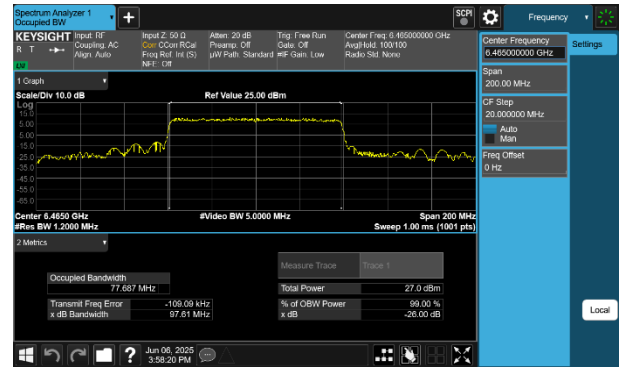
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	6Mbps	18.12	24.56	320	Pass
	6175	45	a	6Mbps	18.13	24.76	320	Pass
	6415	93	a	6Mbps	18.10	24.62	320	Pass
	5955	1	be (20MHz)	MCS0	19.08	23.64	320	Pass
	6175	45	be (20MHz)	MCS3	19.07	23.52	320	Pass
	6415	93	be (20MHz)	MCS0	19.09	25.20	320	Pass
	5965	3	be (40MHz)	MCS3	38.30	51.28	320	Pass
	6165	43	be (40MHz)	MCS0	38.28	47.27	320	Pass
	6405	91	be (40MHz)	MCS3	38.11	45.07	320	Pass
	5985	7	be (80MHz)	MCS0	77.98	100.25	320	Pass
	6145	39	be (80MHz)	MCS0	78.04	110.33	320	Pass
	6385	87	be (80MHz)	MCS0	77.77	97.48	320	Pass
	6025	15	be (160MHz)	MCS5	156.79	181.36	320	Pass
	6185	47	be (160MHz)	MCS5	156.81	180.94	320	Pass
Band 6	6345	79	be (160MHz)	MCS5	156.73	179.33	320	Pass
	6435	97	a	6Mbps	18.03	23.60	320	Pass
	6475	105	a	6Mbps	17.98	22.78	320	Pass
	6515	113	a	6Mbps	18.03	23.07	320	Pass
	6435	97	be (20MHz)	MCS0	19.11	23.21	320	Pass
	6475	105	be (20MHz)	MCS0	19.06	22.99	320	Pass
	6515	113	be (20MHz)	MCS0	19.06	23.46	320	Pass
	6445	99	be (40MHz)	MCS3	38.05	44.37	320	Pass
	6485	107	be (40MHz)	MCS3	38.10	45.27	320	Pass
	6525	115	be (40MHz)	MCS0	38.02	44.04	320	Pass
	6465	103	be (80MHz)	MCS0	77.69	97.61	320	Pass
	6505	111	be (160MHz)	MCS5	156.91	164.56	320	Pass
Band 7	6535	117	a	12Mbps	17.85	22.49	320	Pass
	6695	149	a	6Mbps	18.08	22.88	320	Pass
	6855	181	a	6Mbps	18.21	23.94	320	Pass
	6535	117	be (20MHz)	MCS0	19.04	23.03	320	Pass
	6695	149	be (20MHz)	MCS0	19.11	23.16	320	Pass
	6855	181	be (20MHz)	MCS0	19.10	23.44	320	Pass
	6725	155	be (40MHz)	MCS0	38.12	45.29	320	Pass
	6845	179	be (40MHz)	MCS3	38.20	45.84	320	Pass
	6545	119	be (80MHz)	MCS0	77.74	96.71	320	Pass
	6705	151	be (80MHz)	MCS0	77.94	97.33	320	Pass
	6785	167	be (80MHz)	MCS3	77.58	95.53	320	Pass
	6665	143	be (160MHz)	MCS0	156.41	164.86	320	Pass

Table 7-6. Conducted Bandwidth Measurements Antenna 2a

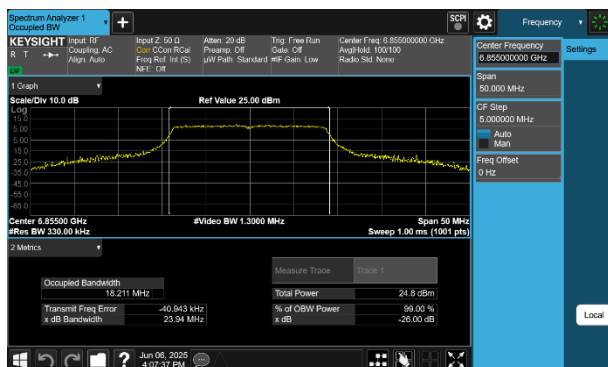
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 36 of 239



FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 37 of 239



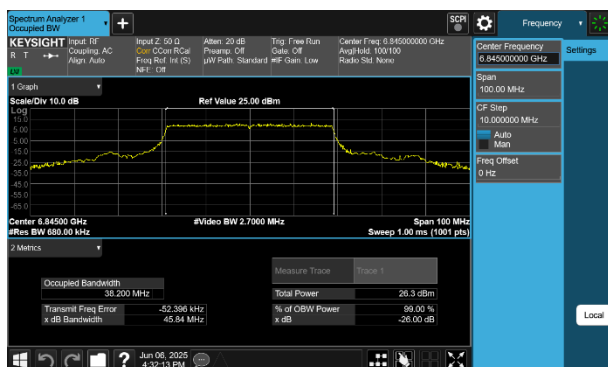
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 38 of 239



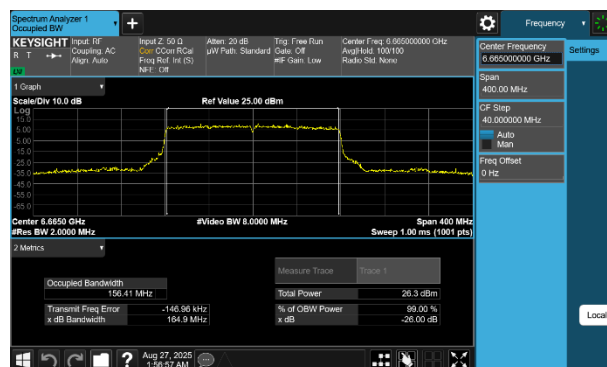
Plot 7-65 26dB BW & 99% OBW Antenna 2a (20MHz BW 802.11a - Ch.181)



Plot 7-67 26dB BW & 99% OBW Antenna 2a (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-66 26dB BW & 99% OBW Antenna 2a (40MHz BW 802.11be(SU) - Ch.179)



Plot 7-68 26dB BW & 99% OBW Antenna 2a (160MHz BW 802.11be(SU) - Ch.143)

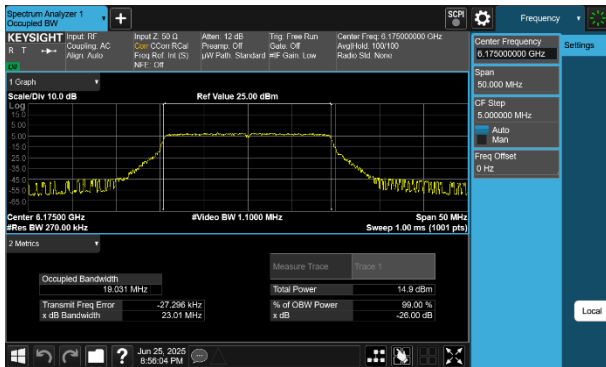
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 39 of 239	

7.2.6 Antenna 2a 26dB & 99% Bandwidth Measurements – LPI

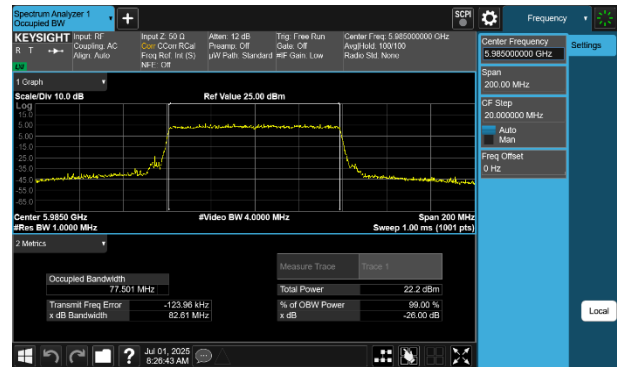
	Frequency [MHz]	Channel	802.11 MODE	Data Rate	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	12Mbps	17.88	22.50	320	Pass
	6175	45	a	6Mbps	17.96	22.62	320	Pass
	6415	93	a	6Mbps	17.97	22.81	320	Pass
	5955	1	be (20MHz)	MCS0	19.05	22.81	320	Pass
	6175	45	be (20MHz)	MCS0	19.03	23.01	320	Pass
	6415	93	be (20MHz)	MCS0	19.03	22.96	320	Pass
	5965	3	be (40MHz)	MCS3	37.99	43.84	320	Pass
	6165	43	be (40MHz)	MCS3	38.00	44.49	320	Pass
	6405	91	be (40MHz)	MCS0	37.96	44.23	320	Pass
	5985	7	be (80MHz)	MCS0	77.50	82.61	320	Pass
	6145	39	be (80MHz)	MCS5	77.49	82.47	320	Pass
	6385	87	be (80MHz)	MCS3	77.51	82.46	320	Pass
	6025	15	be (160MHz)	MCS5	156.59	172.10	320	Pass
	6185	47	be (160MHz)	MCS5	156.42	172.80	320	Pass
Band 6	6345	79	be (160MHz)	MCS5	156.80	175.79	320	Pass
	6435	97	a	6Mbps	17.98	22.94	320	Pass
	6475	105	a	6Mbps	17.96	22.69	320	Pass
	6515	113	a	6Mbps	17.94	22.91	320	Pass
	6435	97	be (20MHz)	MCS0	19.04	22.79	320	Pass
	6475	105	be (20MHz)	MCS0	19.04	22.85	320	Pass
	6515	113	be (20MHz)	MCS0	19.04	22.84	320	Pass
	6445	99	be (40MHz)	MCS0	38.05	44.24	320	Pass
	6485	107	be (40MHz)	MCS0	37.98	45.06	320	Pass
	6525	115	be (40MHz)	MCS0	38.05	44.31	320	Pass
	6465	103	be (80MHz)	MCS0	77.63	82.51	320	Pass
	6505	111	be (160MHz)	MCS5	156.61	173.15	320	Pass
	6535	117	a	6Mbps	18.01	22.61	320	Pass
	6695	149	a	6Mbps	17.98	22.83	320	Pass
Band 7	6875	185	a	6Mbps	17.97	22.88	320	Pass
	6535	117	be (20MHz)	MCS0	19.06	22.62	320	Pass
	6695	149	be (20MHz)	MCS0	19.10	23.24	320	Pass
	6875	185	be (20MHz)	MCS0	19.03	22.93	320	Pass
	6725	155	be (40MHz)	MCS0	38.00	44.33	320	Pass
	6845	179	be (40MHz)	MCS0	38.00	45.03	320	Pass
	6545	119	be (80MHz)	MCS0	77.49	82.55	320	Pass
	6705	151	be (80MHz)	MCS3	77.47	82.64	320	Pass
	6865	183	be (80MHz)	MCS0	77.40	82.54	320	Pass
	6665	143	be (160MHz)	MCS5	156.52	169.71	320	Pass
	6825	175	be (160MHz)	MCS5	156.68	166.83	320	Pass
	6895	189	a	6Mbps	17.96	22.89	320	Pass
	6995	209	a	6Mbps	17.97	22.82	320	Pass
	7115	233	a	6Mbps	17.95	23.07	320	Pass
Band 8	6895	189	be (20MHz)	MCS3	19.04	22.93	320	Pass
	6995	209	be (20MHz)	MCS0	19.04	22.95	320	Pass
	7115	233	be (20MHz)	MCS0	19.08	23.13	320	Pass
	6885	187	be (40MHz)	MCS3	37.99	43.83	320	Pass
	7005	211	be (40MHz)	MCS3	38.01	44.50	320	Pass
	7085	227	be (40MHz)	MCS0	38.08	44.30	320	Pass
	6945	199	be (80MHz)	MCS3	77.54	82.60	320	Pass
	7025	215	be (80MHz)	MCS5	77.42	82.53	320	Pass
	6985	207	be (160MHz)	MCS5	156.58	174.11	320	Pass

Table 7-7. Conducted Bandwidth Measurements Antenna 2a

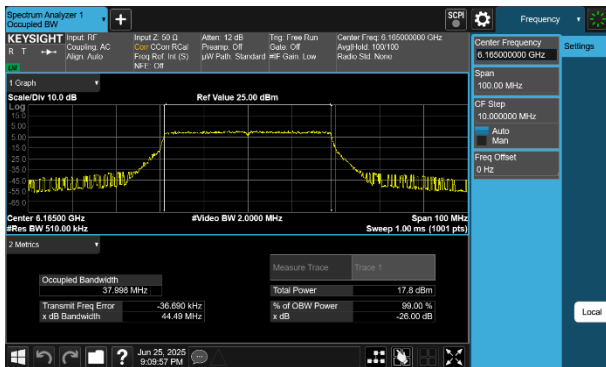
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 40 of 239



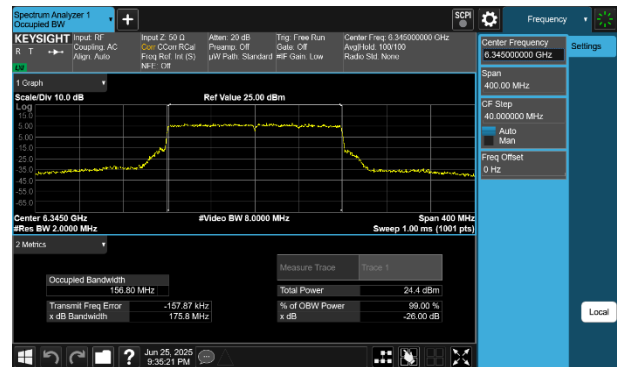
Plot 7-69 26dB BW & 99% OBW Antenna 2a (20MHz BW 802.11be(SU) - Ch.45)



Plot 7-71 26dB BW & 99% OBW Antenna 2a (80MHz BW 802.11be(SU) - Ch.7)

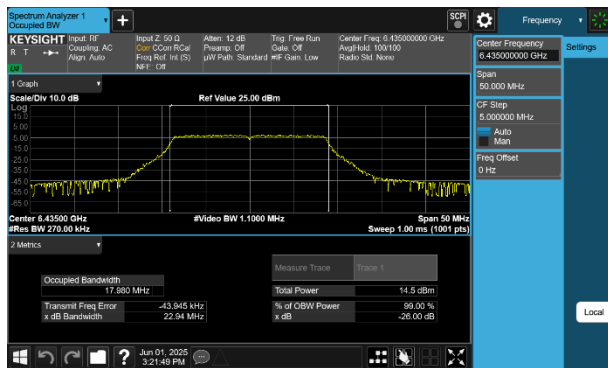


Plot 7-70 26dB BW & 99% OBW Antenna 2a (40MHz BW 802.11be(SU) - Ch.43)

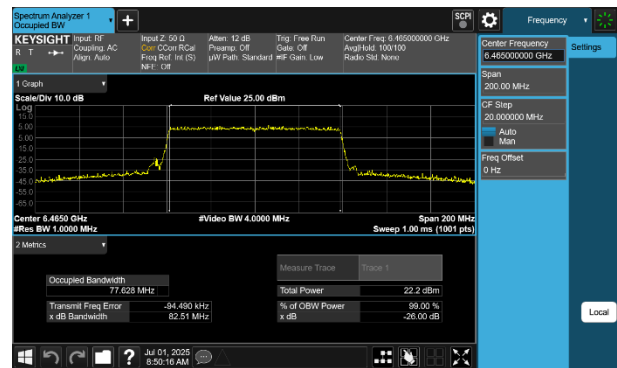


Plot 7-72 26dB BW & 99% OBW Antenna 2a (160MHz BW 802.11be(SU) - Ch.79)

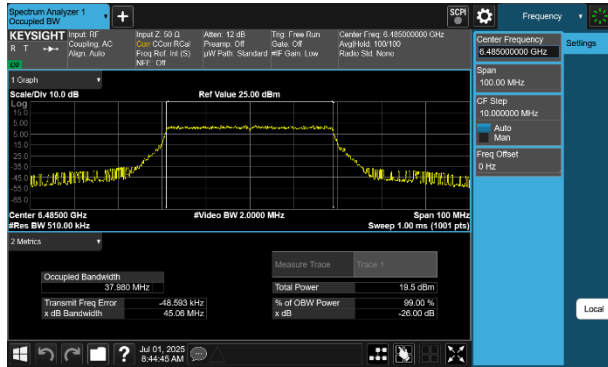
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 41 of 239



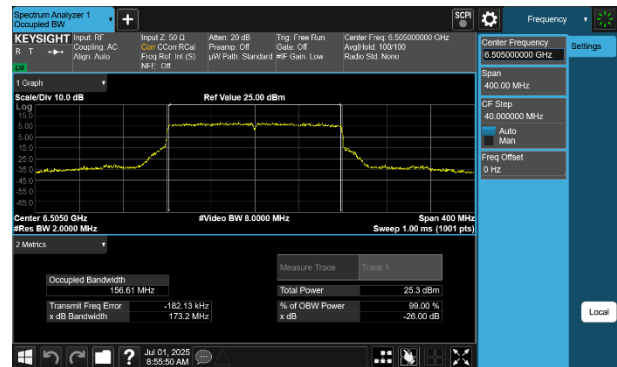
Plot 7-73 26dB BW & 99% OBW Antenna 2a (20MHz BW 802.11a - Ch.97)



Plot 7-75 26dB BW & 99% OBW Antenna 2a (80MHz BW 802.11be(SU) - Ch.103)

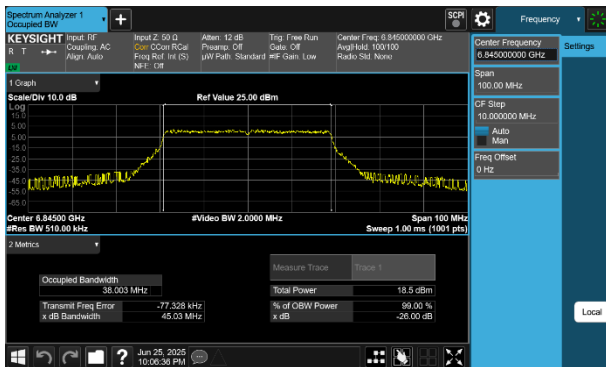
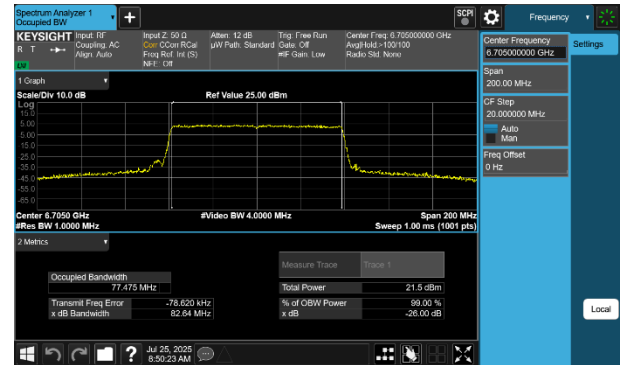
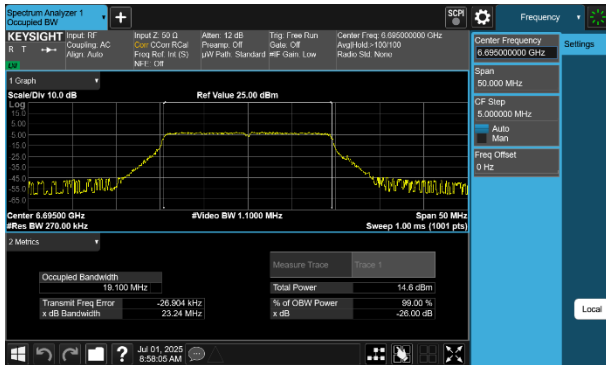


Plot 7-74 26dB BW & 99% OBW Antenna 2a (40MHz BW 802.11be(SU) - Ch.107)



Plot 7-76 26dB BW & 99% OBW Antenna 2a (160MHz BW 802.11be(SU) - Ch.111)

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 42 of 239



FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 43 of 239	