

**ELEMENT WASHINGTON DC LLC**

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**MEASUREMENT REPORT
FCC PART 15.407 802.11a/n/ac/ax/be (OFDM)****Applicant Name:**

Microsoft Corporation
One Microsoft Way
Redmond, WA 98052
United States

Date of Testing:

12/16/2025 - 02/05/2026

Test Report Issue Date:

02/13/2026

Test Site/Location:

Element lab., Columbia, MD, USA

Test Report Serial No.:

1M2511200095-06-R3.C3K

FCC ID:

C3K2085

APPLICANT:

Microsoft Corporation

Application Type:

Class II Permissive Change

Model:

2085

EUT Type:

Portable Computing Device

Frequency Range:

5180 – 5885MHz

Modulation Type:

OFDM

FCC Equipment Class:

Unlicensed National Information Infrastructure TX (NII)

FCC Rule Part(s):

Part 15 Subpart E (15.407)

FCC Test Procedure(s):

ANSI C63.10:2020 + Cor. 1:2023, KDB 558074 D01 v05r02

Class II Permissive Change:

Please see FCC change document

Original Grant Date:

05/14/2024

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. Test results reported herein relate only to the item(s) tested.

This revised Test Report (S/N: 1M2511200095-06-R3.C3K) supersedes and replaces the previously issued test report (S/N: 1M2511200095-06-R2.C3K) on the same subject device for the same type of testing as indicated. Please discard and destroy the previously issued test report(s) and dispose of it 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 REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	3/16/2026	WKR0000005826
1	Addressed comments made by TCB reviewer	3/19/2026	WKR0000005874
2	Addressed comments made by TCB reviewer	3/23/2026	WKR0000005874
3	Addressed comments made by TCB reviewer	3/24/2026	WKR0000005874

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Channel Bandwidth [MHz]	UNII Band	Tx Frequency [MHz]	MIMO	
			Max. Power [mW]	Max. Power [dBm]
20	1	5180 - 5240	110.92	20.45
	2A	5260 - 5320	111.17	20.46
	2C	5500 - 5720	125.47	20.99
	3	5745 - 5825	222.76	23.48
	4	5845 - 5885	95.67	19.81
40	1	5190 - 5230	62.81	17.98
	2A	5270 - 5310	60.81	17.84
	2C	5510 - 5710	62.66	17.97
	3	5755 - 5795	124.45	20.95
	4	5835 - 5875	157.46	21.97
80	1	5210	52.72	17.22
	2A	5290	51.64	17.13
	2C	5530 - 5690	119.97	20.79
	3	5775	42.66	16.30
	4	5855	60.98	17.85
160	1/2A	5250	46.45	16.67
	2C	5570	39.26	15.94
	3/4	5815	51.07	17.08

EUT Overview

Note: The UNII Band 4 max power values shown in the above table are e.i.r.p values.

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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 Test Location

These measurement tests were conducted at the Element laboratory located at 7185 Oakland Mills Road, Columbia, MD 21046. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014.

1.3 Test Facility / Accreditations

Measurements were performed at Element lab located in Columbia, MD 21046, U.S.A.

- Element Washington DC LLC is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 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 Washington DC LLC facility is a registered (2451B) 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 **Microsoft Corporation Portable Computing Device FCC ID: C3K2085**. The test data contained in this report pertains only to the emissions due to the EUT's UNII transmitter.

This report is being issued as a Class II Permissive Change due to new antenna design due to enclosure changes near the antenna and higher antenna gains. Full details are provided in the change description. The test data in this report demonstrates the continued compliance to FCC Part 15.407.

Test Device Serial No.: 343V2, 96T92, DM332, 96T82, DM392, 34342

2.2 Device Capabilities

This device contains the following capabilities:

802.11b/g/n/ac/ax/be WLAN, 802.11a/n/ac/ax/be UNII (5GHz and 6GHz), Bluetooth (1x, EDR, LE), NFC

Band 1		Band 2A		Band 2C		Band 3		Band 3/4	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745	169	5845
:	:	:	:	:	:	:	:	:	:
40	5200	56	5280	120	5600	157	5785	173	5865
:	:	:	:	:	:	:	:	:	:
48	5240	64	5320	144	5720	165	5825	177	5885

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

Band 1		Band 2A		Band 2C		Band 3		Band 3/4	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755	167	5835
:	:	:	:	:	:	:	:	:	:
46	5230	62	5310	118	5590	159	5795	175	5875
				:	:				
				142	5710				

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

Band 1		Band 2A		Band 2C		Band 3		Band 3/4	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
42	5210	58	5290	106	5530	155	5775	171	5855
				:	:				
				122	5610				
				:	:				
				138	5690				

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

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Band 1/2A		Band 2C		Band 3/4	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
50	5250	114	5570	163	5815

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

Notes:

- 5GHz 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) of 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		MIMO (1+2)
		Duty Cycle [%]
5GHz	a	98.96
	n (HT20)	99.04
	ac (VHT20)	98.47
	ax (HE20)	98.44
	be (EHT20)	98.52
	n (HT40)	98.31
	ac (VHT40)	98.38
	ax (HE40)	98.31
	be (EHT40)	98.16
	ac (VHT80)	97.97
	ax (HE80)	98.00
	be (EHT80)	98.11
	be (EHT80, 20MHz Puncture)	98.53
	ac (VHT160)	97.87
	ax (HE160)	96.77
	be (EHT160)	97.05
	be (EHT160, 20MHz Puncture)	98.23
	be (EHT160, 40MHz Puncture)	98.23

Table 2-5. Measured Duty Cycles

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

WiFi Configurations		SISO		SDM		CDD	
		ANT1	ANT2	ANT1	ANT2	ANT1	ANT2
5GHz	11a	✓	✓	✗	✗	✓	✓
	11n	✓	✓	✓	✓	✓	✓
	11ac	✓	✓	✓	✓	✓	✓
	11ax	✓	✓	✓	✓	✓	✓
	11be	✓	✓	✓	✓	✓	✓

Table 2-6. Antenna / Technology Configuration

✓ = Support ; ✗ = NOT Support

SISO = Single Input Single Output

SDM = Spatial Diversity Multiplexing – MIMO function

CDD = Cyclic Delay Diversity – 2Tx Function

3. 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		
	HT	VHT	HE	EHT		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
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
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
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
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	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
		9	9	9	1	N/A	N/A	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
				12	1									154.9	146.3	131.6	309.7	292.5	263.3	648.5	612.5	551.3	1297.1	1225	1102.5
				13	1									172.1	162.5	146.3	344.1	325	292.5	720.6	680.6	612.5	1441.2	1361.1	1225
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
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
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
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	N/A	N/A	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	2288.5	2041.7
				12	2									309.7	292.5	263.3	619.4	585	526.5	1297.1	1225	1102.5	2594.1	2450	2205
				13	2									344.1	325	292.5	688.2	650	585	1441.2	1361.1	1225	2882.4	2722.2	2450

Table 2-7. Supported Data Rates

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MCS Index	Spatial Stream	OFDM (802.11be)								
		80MHz_20MHz Puncture			160MHz_40MHz Puncture			160MHz_20MHz Puncture		
		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	1	25.8	24.4	21.9	53.2	50.3	45.3	61.8	58.4	52.6
1	1	51.6	48.8	43.9	106.5	100.6	90.5	123.7	116.8	105.1
2	1	77.4	73.1	65.8	159.7	150.8	135.8	185.5	175.2	157.7
3	1	103.2	97.5	87.8	212.9	201.1	181	247.4	233.6	210.3
4	1	154.9	146.3	131.6	319.4	301.7	271.5	371	350.4	315.4
5	1	206.5	195	175.5	425.9	402.2	362	494.7	467.2	420.5
6	1	232.3	219.4	197.4	479.1	452.5	407.3	556.5	525.6	473.1
7	1	258.1	243.8	219.4	532.4	502.8	452.5	618.4	584	525.6
8	1	309.7	292.5	263.3	638.8	603.3	543	742.1	700.8	630.8
9	1	344.1	325	292.5	709.8	670.4	603.3	824.5	778.7	700.8
10	1	387.1	365.6	329.1	798.5	754.2	678.8	927.6	876	788.4
11	1	430.1	406.3	365.6	887.3	838	754.2	1030.6	973.4	876
12	1	464.6	438.8	394.9	958.2	905	814.5	1113.1	1051.3	946.1
13	1	516.2	487.5	438.8	1064.7	1005.6	905	1236.8	1168.1	1051.3
0	2	51.6	48.8	43.9	106.5	100.6	90.5	123.7	116.8	105.1
1	2	103.2	97.5	87.8	212.9	201.1	181	247.4	233.6	210.3
2	2	154.9	146.3	131.6	319.4	301.7	271.5	371	350.4	315.4
3	2	206.5	195	175.5	425.9	402.2	362	494.7	467.2	420.5
4	2	309.7	292.5	263.3	638.8	603.3	543	742.1	700.8	630.8
5	2	412.9	390	351	851.8	804.4	724	989.4	934.4	841
6	2	464.6	438.8	394.9	958.2	905	814.5	1113.1	1051.3	946.1
7	2	516.2	487.5	438.8	1064.7	1005.6	905	1236.8	1168.1	1051.3
8	2	619.4	585	526.5	1277.6	1206.7	1086	1484.1	1401.7	1261.5
9	2	688.2	650	585	1419.6	1340.7	1206.7	1649	1557.4	1401.7
10	2	774.3	731.3	658.1	1597.1	1508.3	1357.5	1855.1	1752.1	1576.9
11	2	860.3	812.5	731.3	1774.5	1675.9	1508.3	2061.3	1946.8	1752.1
12	2	929.1	877.5	789.8	1916.5	1810	1629	2226.2	2102.5	1892.3
13	2	1032.4	975	877.5	2129.4	2011.1	1810	2473.5	2336.1	2102.5

Table 2-8. Supported Data Rates – Channel Puncturing

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2.3 Antenna Description

The following antenna gains were used for the testing.

Frequency [MHz]	Antenna 1 Gain (dBi)	Antenna 2 Gain (dBi)	Directional Gain (dBi)
5200	4.3	4.13	7.23
5300	4.15	3.96	7.07
5500	4.59	3.34	7.02
5800	4.91	3.48	7.26
5850	5.84	4.14	8.08

Table 2-9. Antenna Peak Gain

The manufacturer provided the antenna gains which can affect the validity of test results used for determination of compliance. The following antenna gains are used in this device per the "Unlicensed Band Antenna Gain" document provided by the client. This document is also included in the filing as a public exhibit.

2.4 Test Configuration

The device has either an OLED or LCD display type. Testing was performed with both display types and only worst-case emissions are reported.

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, 7.6 for radiated emissions test setups, and 7.2, 7.3, 7.4, and 7.5 for antenna port conducted emissions test setups.

2.5 Software and Firmware

The test was conducted with firmware version/software 2025.1111.11121401 installed on the EUT.

2.6 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) was 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 10'x16'x9' shielded enclosure. The shielded enclosure is manufactured by ETS Lindgren RF Enclosures. The shielding effectiveness of the shielded room is in accordance with MIL-Std-285 or NSA 65-5. 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 an ETS Lindgren Model LPRX-4X30 (100dB Attenuation, 14kHz-18GHz) and the two EMI/RFI filters are ETS Lindgren Model LRW-2030-S1 (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 groundplane. 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 7.7. The EMI Receiver mode of the Agilent MXE was used to perform AC line conducted emissions testing.

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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.

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.

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4-2014. Additionally, radiated emissions below 30MHz are also validated on an Open Area Test Site to assert correlation with the chamber measurements per the requirements of KDB 414788 D01 v01r01.

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 C63.10-2020. 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	1.13
Line Conducted Disturbance	3.09
Radiated Disturbance (<1GHz)	4.98
Radiated Disturbance (>1GHz)	5.07
Radiated Disturbance (>18GHz)	5.09

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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 to the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	MD 1M 18-40	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	MD 1M 40
-	AP2-001	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	AP2-001
-	AP2-002	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	AP2-002
-	ETS-001	EMC Cable and Switch System	1/29/2026	Annual	1/29/2027	ETS-001
-	ETS-002	EMC Cable and Switch System	1/29/2026	Annual	1/29/2027	ETS-002
-	WL25-1	Conducted Cable Set (25GHz)	2/25/2025	Annual	2/25/2026	WL25-1
-	WL40-1	Conducted Cable Set (40GHz)	2/25/2025	Annual	2/25/2026	WL40-1
Rohde & Schwarz	ESU40	EMI Test Receiver (40GHz)	1/16/2026	Annual	1/16/2027	100348
Rohde & Schwarz	ESW44	EMI Test Receiver 2Hz to 44 GHz	3/25/2025	Annual	3/25/2026	101716
Agilent	N9038A	MXE EMI Receiver	11/10/2025	Annual	11/10/2026	MY51210133
Agilent	N9030A	3Hz-44GHz PXA Signal Analyzer	9/15/2025	Annual	9/15/2026	MY49430494
Rohde & Schwarz	ENV216	Two-Line V-Network	3/21/2025	Biennial	3/21/2027	101380
ETS Lindgren	3117	1-18 GHz DRG Horn (Medium)	6/4/2025	Biennial	6/4/2027	125518
Rohde & Schwarz	TC-TA18	Cross Polarized Vivaldi Test Antenna	4/15/2024	Biennial	4/15/2026	101058
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	9/11/2024	Biennial	9/11/2026	A051107
Sunol	JB6	Bi-Log Antenna (30M - 6GHz)	3/24/2025	Biennial	3/24/2027	A082816
Keysight Technologies	N9030A	PXA Signal Analyzer (44GHz)	6/6/2025	Annual	6/6/2026	MY52350166
Keysight Technologies	N9020A	MXA Signal Analyzer	5/7/2025	Annual	5/7/2026	US46470561
Keysight Technologies	N9020A	MXA Signal Analyzer	6/4/2025	Annual	6/4/2026	MY54500644
EMCO	3116	Horn Antenna (18-40GHz)	7/5/2024	Biennial	7/5/2026	9203-2178
Sunol Sciences	DRH-118	Horn Antenna (1-18GHz)	3/19/2025	Biennial	3/19/2027	A102416-2
Anritsu	MA24408A	Microwave Peak Power Sensor	5/30/2025	Annual	5/30/2026	11675
Anritsu	MA24406A	Microwave Peak Power Sensor	5/30/2025	Annual	5/30/2026	11240

Table 6-1. Annual Test Equipment Calibration Schedule

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.

Component	Serial Number
MegaPhase Cable TM26-S1S1-36	18160103 003
Pasternack 6dB Attenuator PE7005-6	N/A

Table 6-2. WL25-1 Conducted Cable Set Components

Component	Serial Number
MegaPhase Cable TM40K1K1-36	18160102 001
MCL 10dB Attenuator BW-K10 2W44+	1902

Table 6-3. WL40-1 Conducted Cable Set Components

Component	Serial Number
Pasternak Cable RG214/U	111815
Sucoflex Cable 106A	246420-001
Rohde & Schwarz SF Unit	102134

Table 6-4. ETS-001 EMC Cable and Switch System Components

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Component	Serial Number
MiniCircuits Cable CBL-0.5M-SMNM+	47261
Micro-Coax Utiflex Cable UFB311A-Q-3346-50U50U MFR 64639	231978-001
Micro-Coax Utiflex Cable UFB311A-1-0629-50U50U MFR 64639	231986-002
MegaPhase Cable NC29-N1N1-324	19046401 001
MegaPhase Flex Cable 10511-1	15044701-006
Micro-Coas Utiflex Cable UFB311A-Q-3446-50U50U MFR 64639	231978-002
Micro-Coas Utiflex Cable UFB311A-1-0629-50U50U MFR 64639	231986-001
Micro-Coas Utiflex Cable UFB142A-0-0659-50U50U MFR 64639	232069-001
Rohde & Schwarz SF Unit	102138

Table 6-5. AP2-001 EMC Cable and Switch System Components

Component	Serial Number
MegaPhase Cable TM40-K1K1-30	20233002-004
UTIPLEX Cable	64639 232063-001
Rohde & Schwarz Pre-amp RS-PR1840 18G-40G	9037.7670.02

Table 6-6. MD 1M 18-40 EMC Cable and Switch System Components

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7.0 TEST RESULTS

7.1 Summary

Company Name: Microsoft Corporation
 FCC ID: C3K2085
 FCC Classification: Unlicensed National Information Infrastructure (UNII)

FCC Part Section(s)	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
N/A	RSS-Gen [6.6]	26dB Bandwidth	N/A	CONDUCTED	PASS	Section 7.2
15.407(e)	RSS-247 [7.3.4.2]	6dB Bandwidth	>500kHz(5725-5850MHz and 5850 – 5895MHz)		PASS	Section 7.3
15.407 (a)(1)(iv), (a)(2), (a)(3)(i)	RSS-247 [7.3]	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)(3)(iii)	RSS-247 [7.3]	Maximum e.i.r.p. (UNII-4, 5.85 – 5.895GHz)	< 30dBm		PASS	Section 7.4
15.407 (a)(1)(iv), (a)(2), (a)(3)(i)/(iii)	RSS-247 [7.3]	Maximum Power Spectral Density	Maximum power spectral density must meet the limits detailed in 15.407 (a) and RSS-247 [6.2] (UNII-1 through -3) <14dBm/MHz (UNII-4)		PASS	Section 7.5
15.407(h)	RSS-247 [7.3.6]	Dynamic Frequency Selection	See DFS Test Report		PASS	See DFS Test Report
15.407(b)(1) – (b)(5)	RSS-247 [7.3]	Undesirable Emissions	Undesirable emissions must meet the limits detailed in 15.407(b) (RSS-247 [6.2])	RADIATED	PASS	Section 7.6
15.205, 15.407(b)(1) – (b)(5)	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
15.407	RSS-Gen [8.8]	AC Conducted Emissions 150kHz – 30MHz	< FCC 15.207 (RSS-Gen [8.8]) limits	LINE CONDUCTED	PASS	Section 7.7

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 “UNII Automation,” Version 4.7.
- 5) For radiated band edge, 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 1.5.0.

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7.2 26dB Bandwidth Measurement

Test Overview and Limit

The bandwidth at 26dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020, 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 12.4

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 = approximately 1% 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

All cases were investigated; a subset of the taken plots were included to represent relevant settings and measurements.

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MIMO 26dB Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Antenna-1 26dB Bandwidth [MHz]	Antenna-2 26dB Bandwidth [MHz]
Band 1	5180	36	a	22.55	21.31
	5200	40	a	21.71	21.53
	5240	48	a	22.13	21.23
	5180	36	n	23.22	22.88
	5200	40	n	22.92	22.14
	5240	48	n	23.18	22.34
	5180	36	be SU	22.97	23.12
	5200	40	be SU	22.32	23.33
	5240	48	be SU	22.18	22.97
	5190	38	n	46.48	45.92
	5230	46	n	46.80	46.09
	5190	38	be SU	46.45	45.20
	5230	46	be SU	44.61	44.53
	5210	42	ac	95.04	93.12
	5210	42	be SU	91.47	91.15
Band 1/2A	5250	50	ac	178.90	176.40
	5250	50	be SU	176.50	173.90
Band 2A	5260	52	a	22.23	21.87
	5280	56	a	22.30	21.61
	5320	64	a	21.92	21.26
	5260	52	n	22.18	22.76
	5280	56	n	22.91	23.05
	5320	64	n	23.02	22.80
	5260	52	be SU	23.06	22.87
	5280	56	be SU	22.81	22.87
	5320	64	be SU	22.82	23.04
	5270	54	n	46.15	46.22
	5310	62	n	47.36	46.35
	5270	54	be SU	43.67	45.65
	5310	62	be SU	45.05	44.37
	5290	58	ac	96.11	94.10
	5290	58	be SU	91.62	90.24
Band 2C	5500	100	a	22.54	21.68
	5600	120	a	22.11	21.28
	5720	144	a	23.76	21.35
	5500	100	n	22.92	22.73
	5600	120	n	22.41	23.06
	5720	144	n	22.94	23.28
	5500	100	be SU	22.61	23.48
	5600	120	be SU	22.68	23.19
	5720	144	be SU	22.26	23.66
	5510	102	n	46.66	46.18
	5590	118	n	47.26	46.71
	5710	142	n	46.60	46.12
	5510	102	be SU	44.36	44.17
	5590	118	be SU	44.71	44.94
	5710	142	be SU	44.90	44.52
	5530	106	ac	95.16	93.12
	5610	122	ac	94.14	93.05
	5690	138	ac	95.79	93.94
	5530	106	be SU	9.33	90.76
	5610	122	be SU	90.91	90.61
	5690	138	be SU	92.37	91.41
	5570	114	ac	178.20	187.70
	5570	114	ax SU	175.30	175.90
	5570	114	be SU	176.50	174.60

Table 7-2. Bands 1, 2A, 2C Conducted 26dB Bandwidth Measurements MIMO

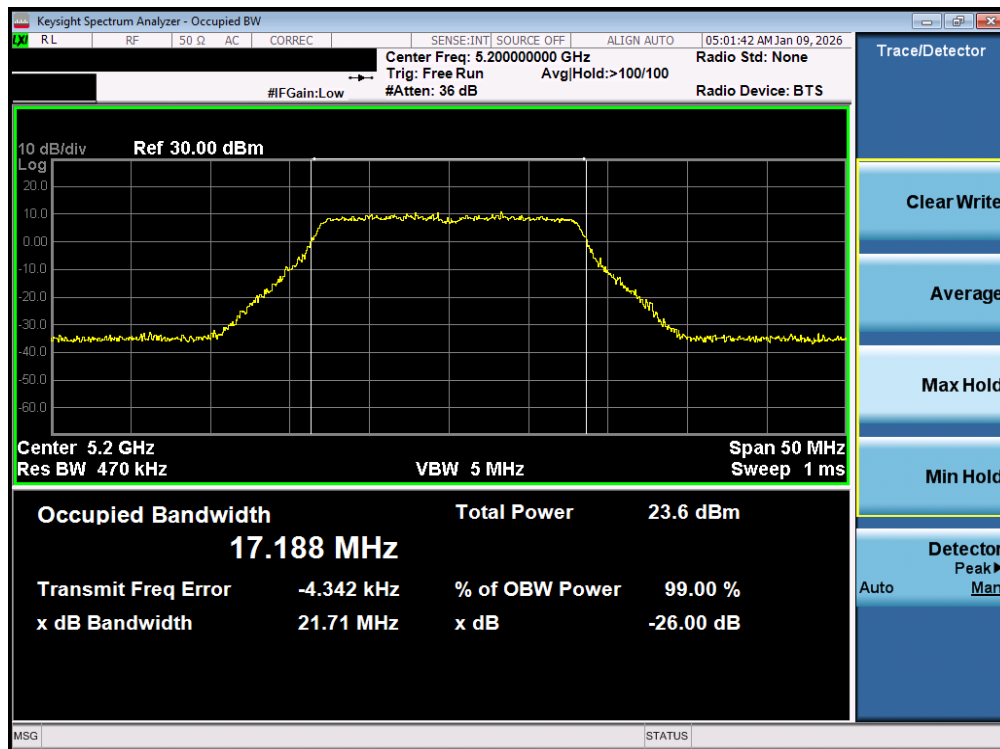
FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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MIMO 26dB Bandwidth Measurements – Puncture

	Frequency [MHz]	Channel	802.11 MODE	Puncture Size [MHz]	Antenna-1 26dB Bandwidth [MHz]	Antenna-2 26dB Bandwidth [MHz]
Band 1	5210	42	be	20	78.98	80.83
Band 1/2A	5250	50	be	20	165.40	159.80
	5250	50	be	40	143.90	147.60
Band 2A	5290	58	be	20	86.32	81.12
Band 2C	5610	122	be	20	81.55	83.33
	5570	114	be	20	171.20	162.50
	5570	114	be	40	147.50	143.50

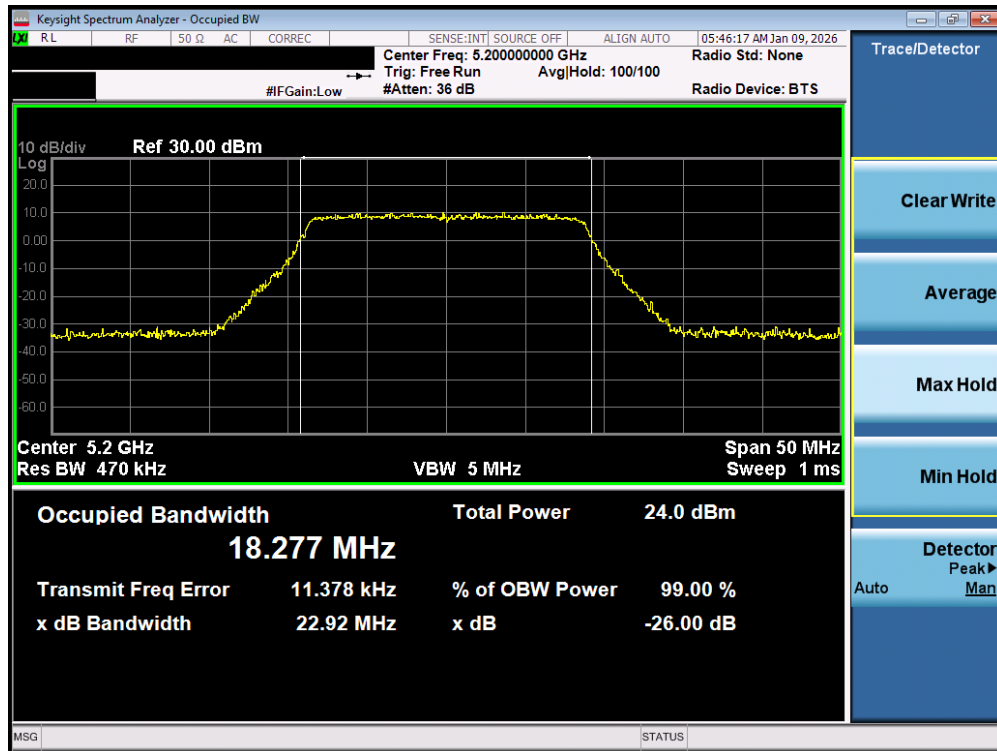
Table 7-3. Bands 1, 2A, 2C Conducted 26dB Bandwidth Measurements MIMO – Puncture

7.2.1 MIMO Antenna-1 26dB Bandwidth Measurements

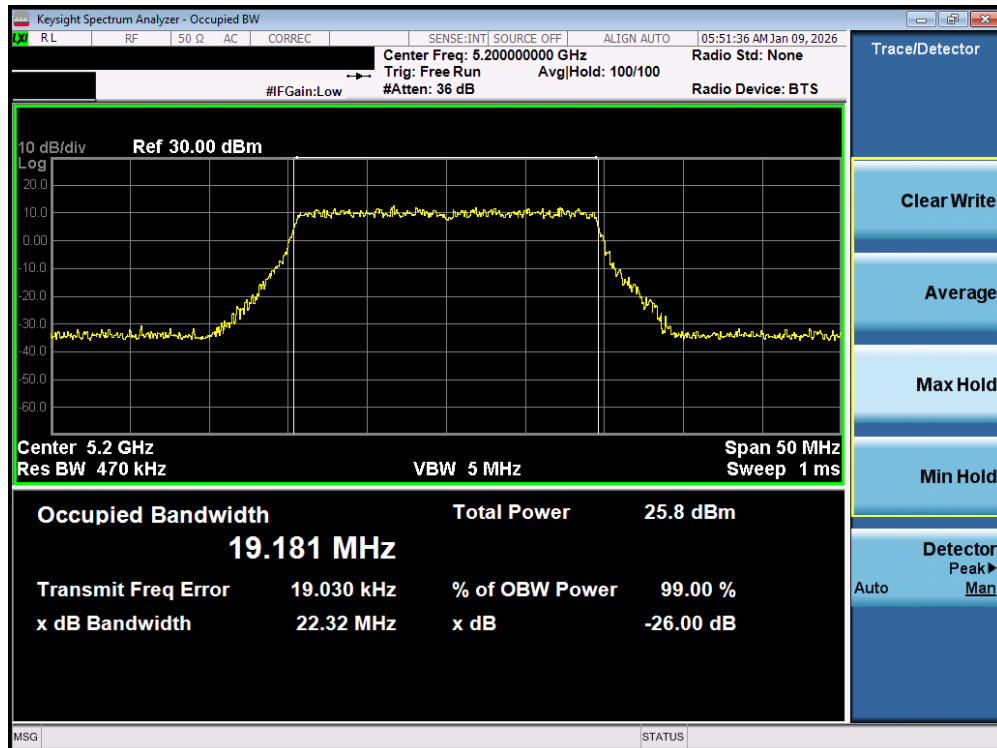


Plot 7-1. 26dB Bandwidth Plot MIMO ANT1 (802.11a (UNII Band 1) – Ch. 40)

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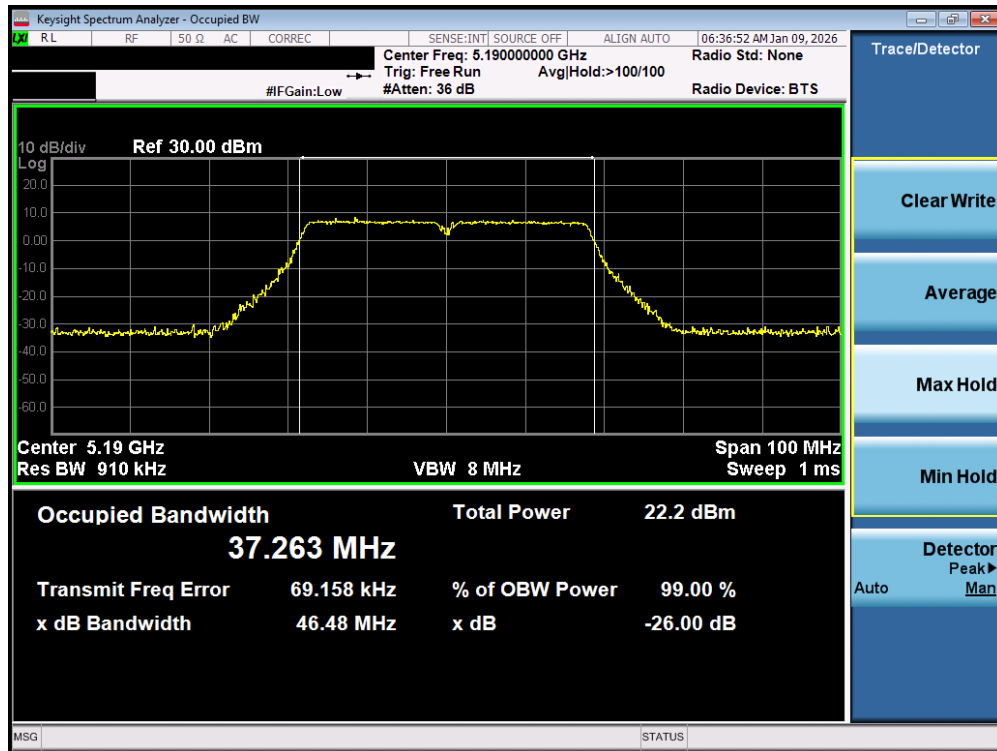


Plot 7-2. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

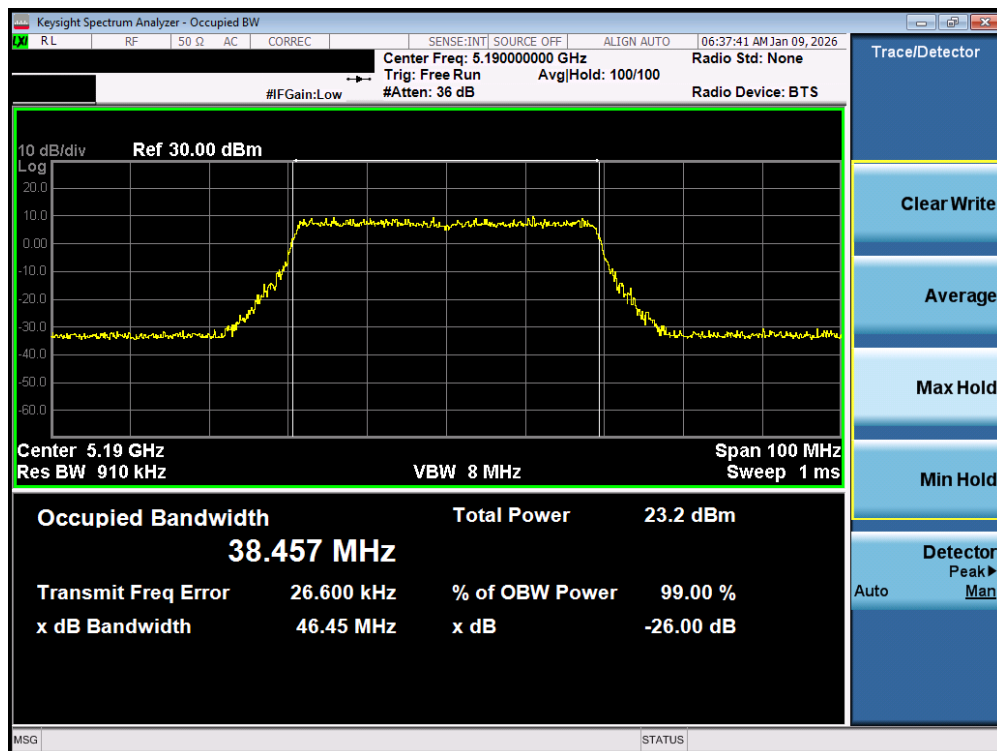


Plot 7-3. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802. 11ax/be (UNII Band 1) – Ch. 40)

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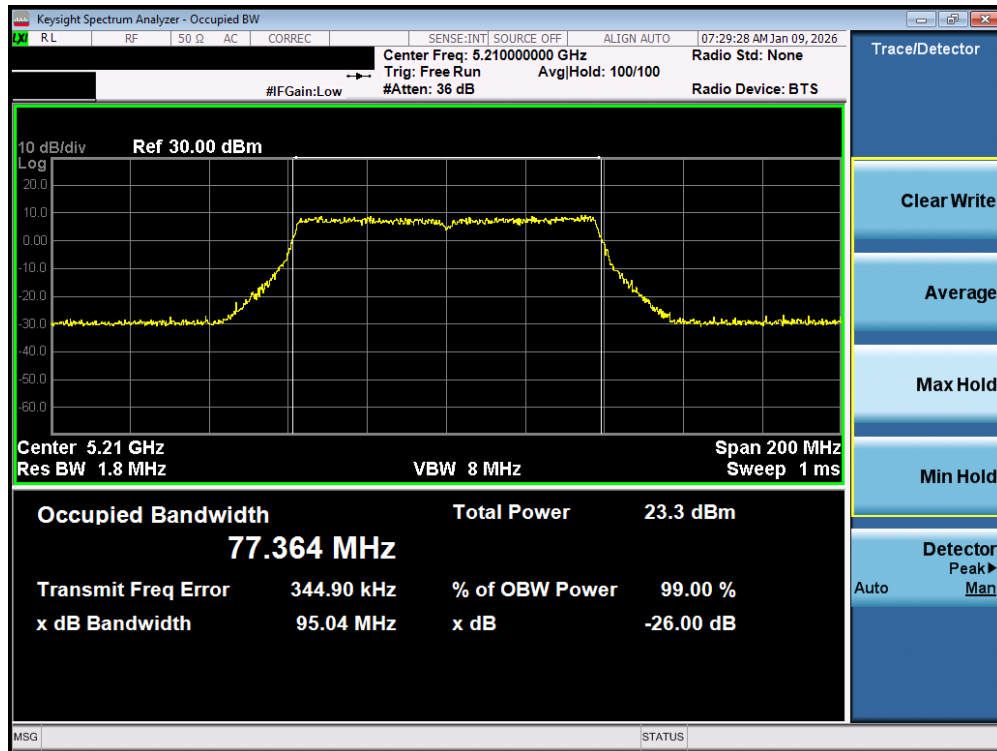


Plot 7-4. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

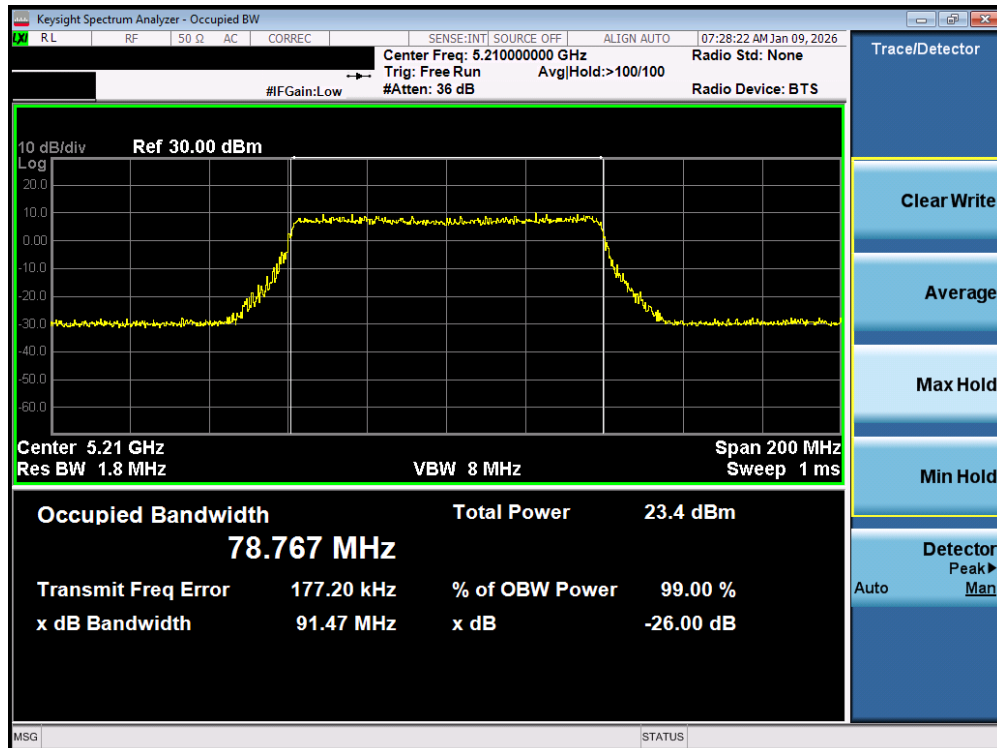


Plot 7-5. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 1) – Ch. 38)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 23 of 171

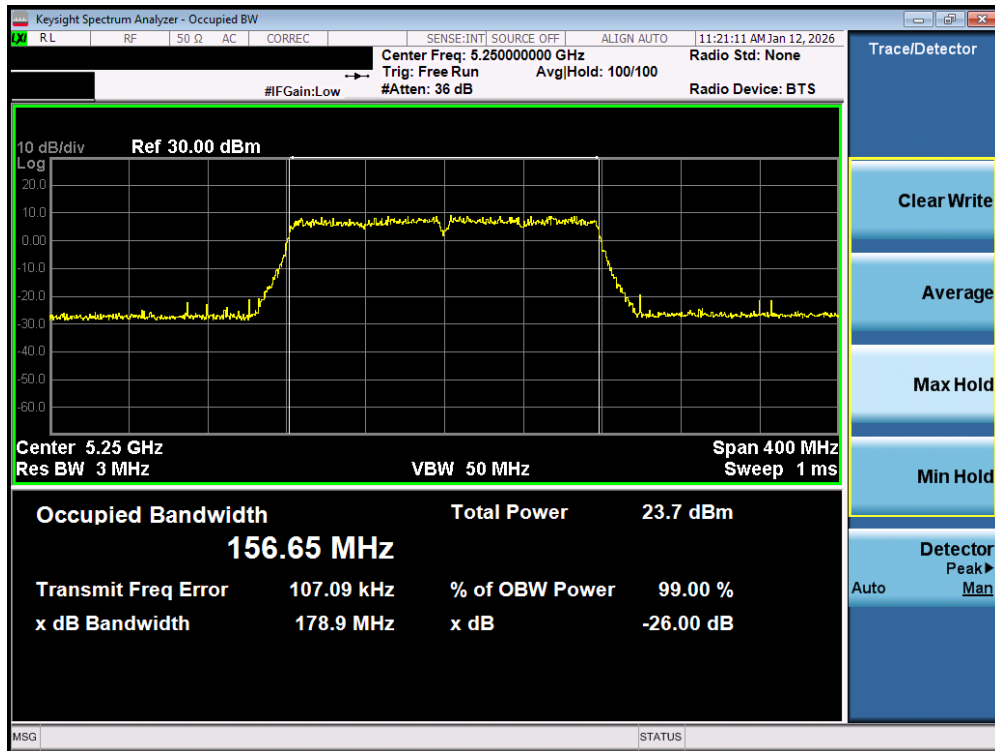


Plot 7-6. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

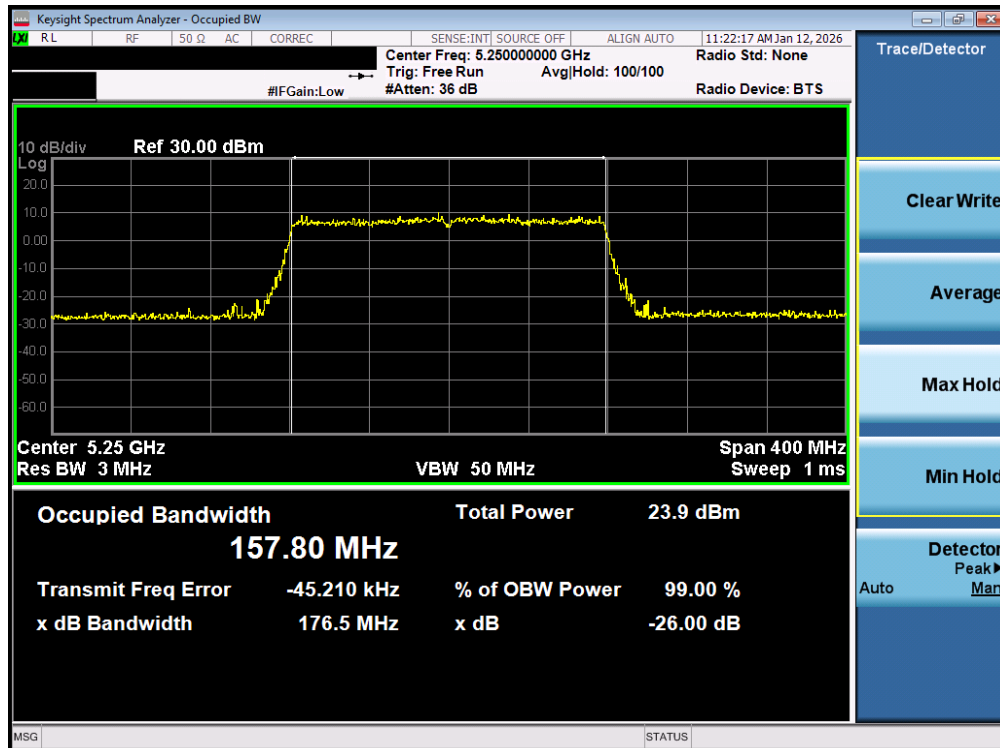


Plot 7-7. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 1) – Ch. 42)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 24 of 171

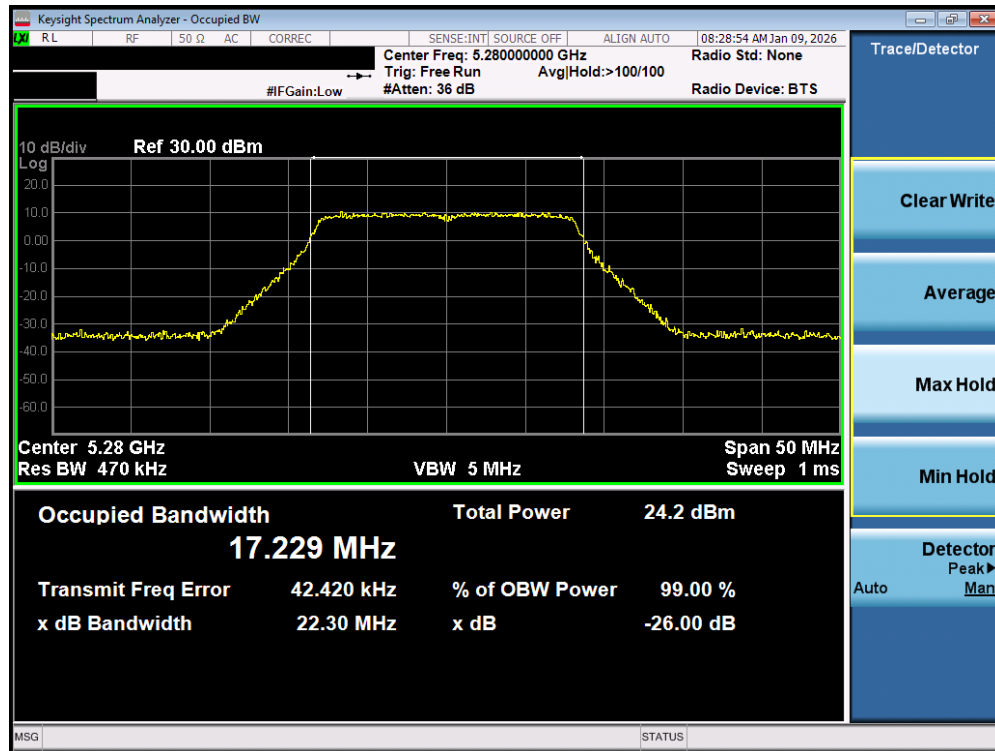


Plot 7-8. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 1/2A) – Ch. 50)

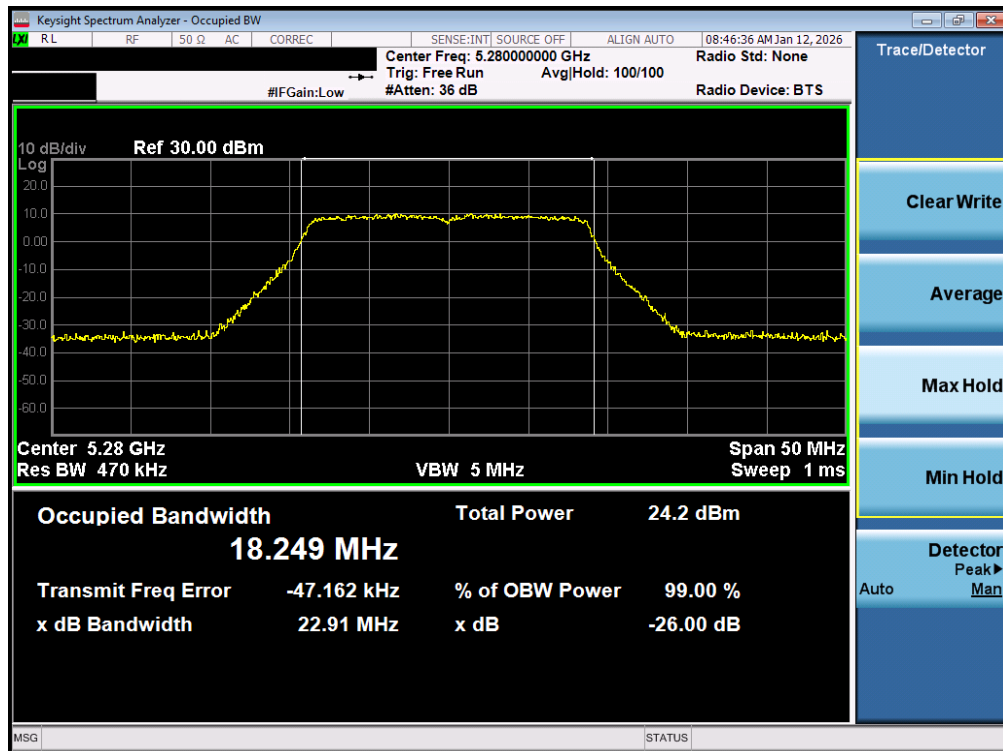


Plot 7-9. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802. 11ax/be (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 25 of 171

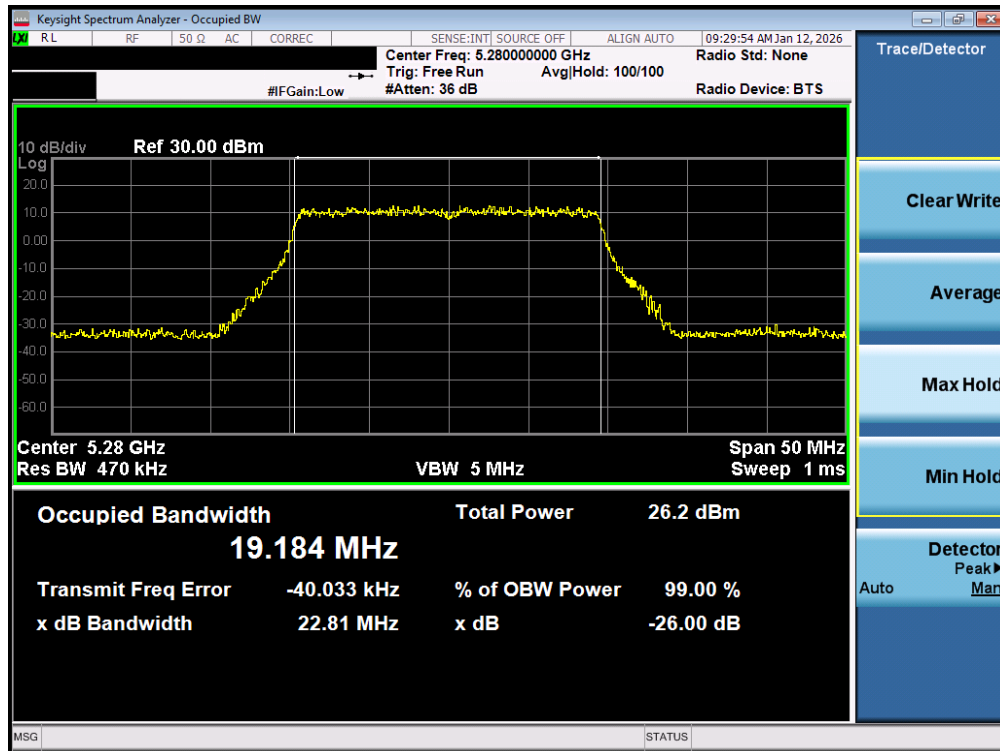


Plot 7-10. 26dB Bandwidth Plot MIMO ANT1 (802.11a (UNII Band 2A) – Ch. 56)

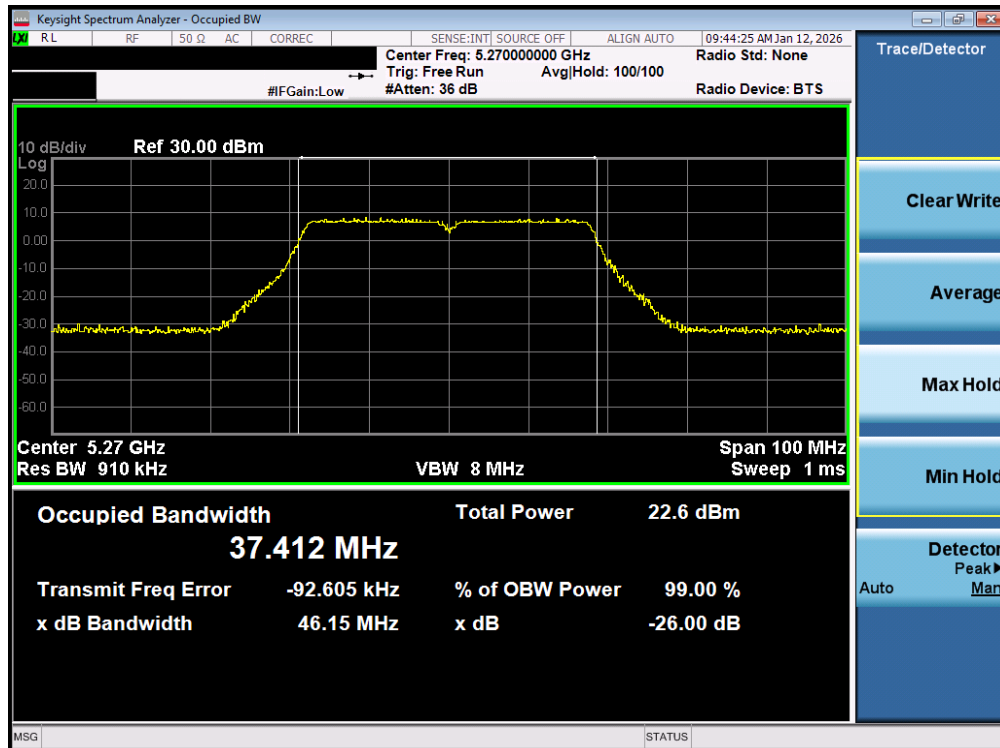


Plot 7-11. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 26 of 171

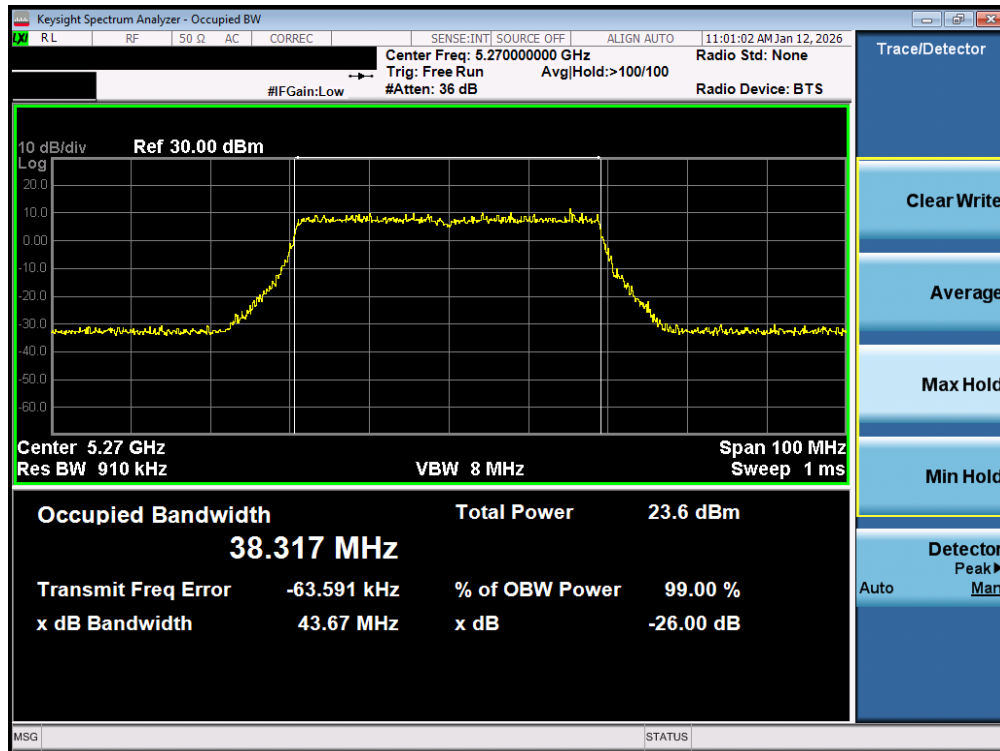


Plot 7-12. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 2A) – Ch. 56)

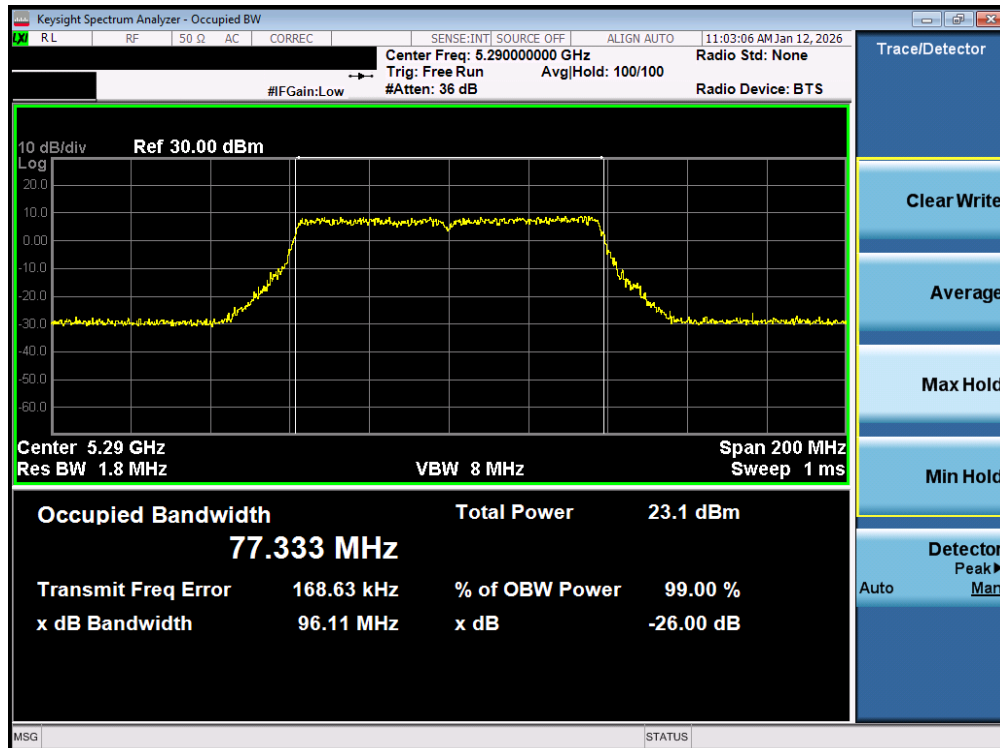


Plot 7-13. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 27 of 171

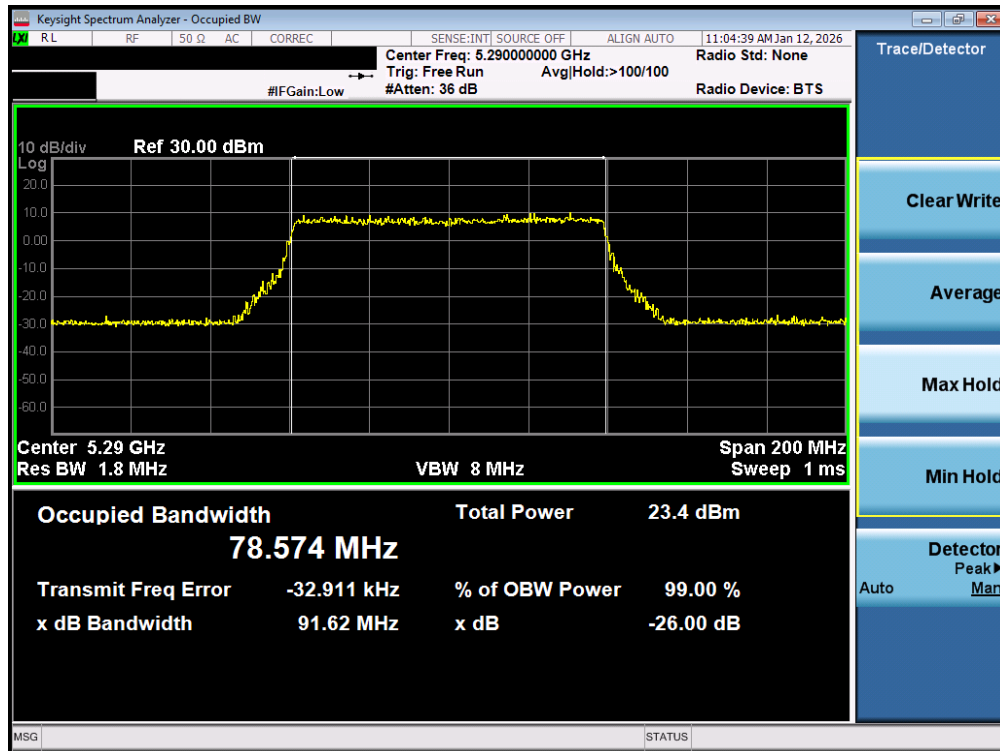


Plot 7-14. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 2A) – Ch. 54)

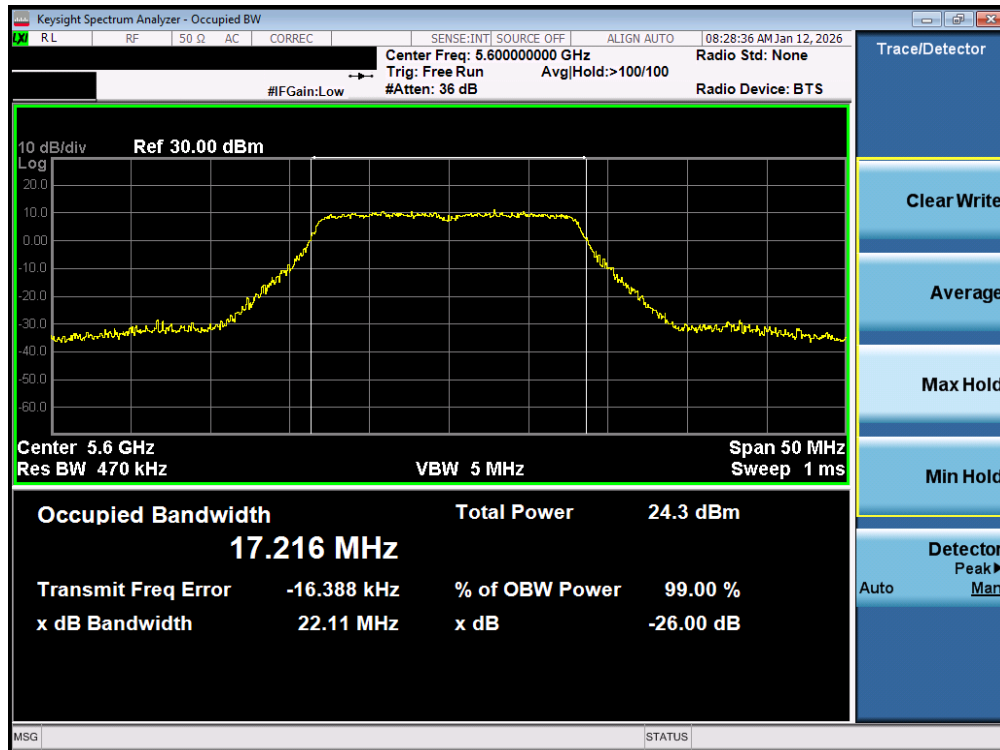


Plot 7-15. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 28 of 171

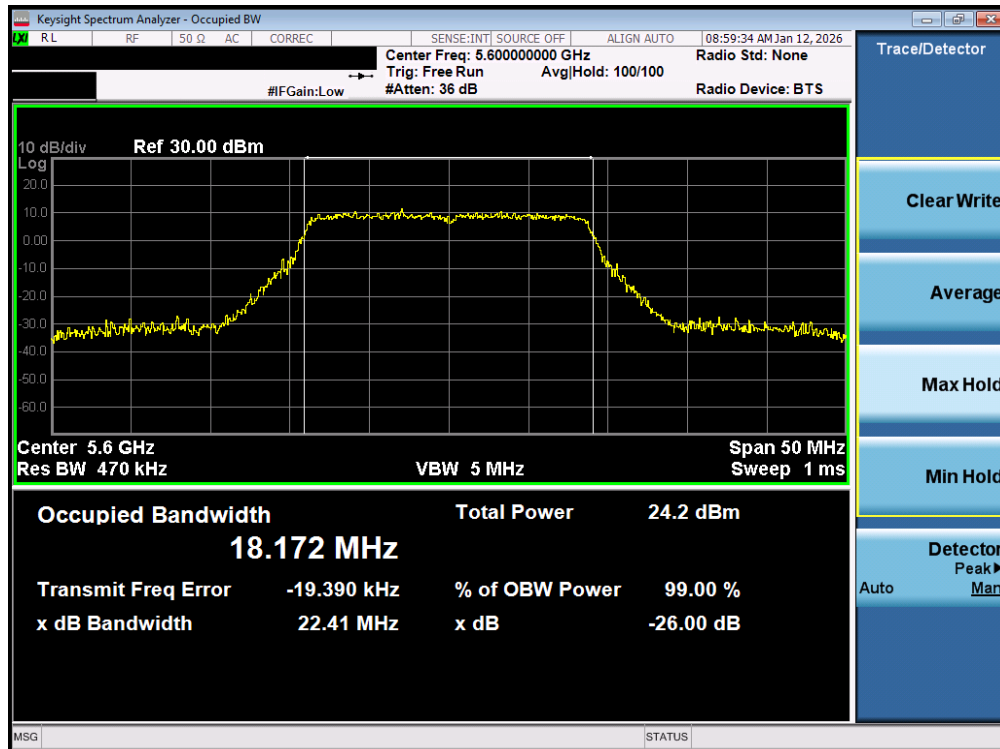


Plot 7-16. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 2A) – Ch. 58)

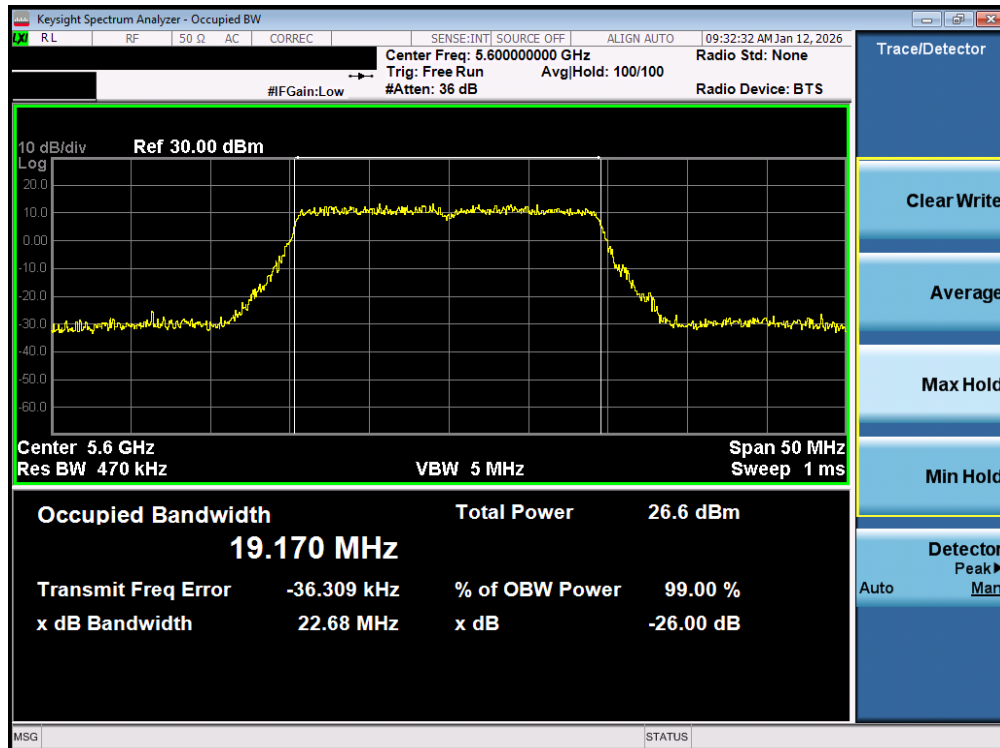


Plot 7-17. 26dB Bandwidth Plot MIMO ANT1 (802.11a (UNII Band 2C) – Ch. 120)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 29 of 171

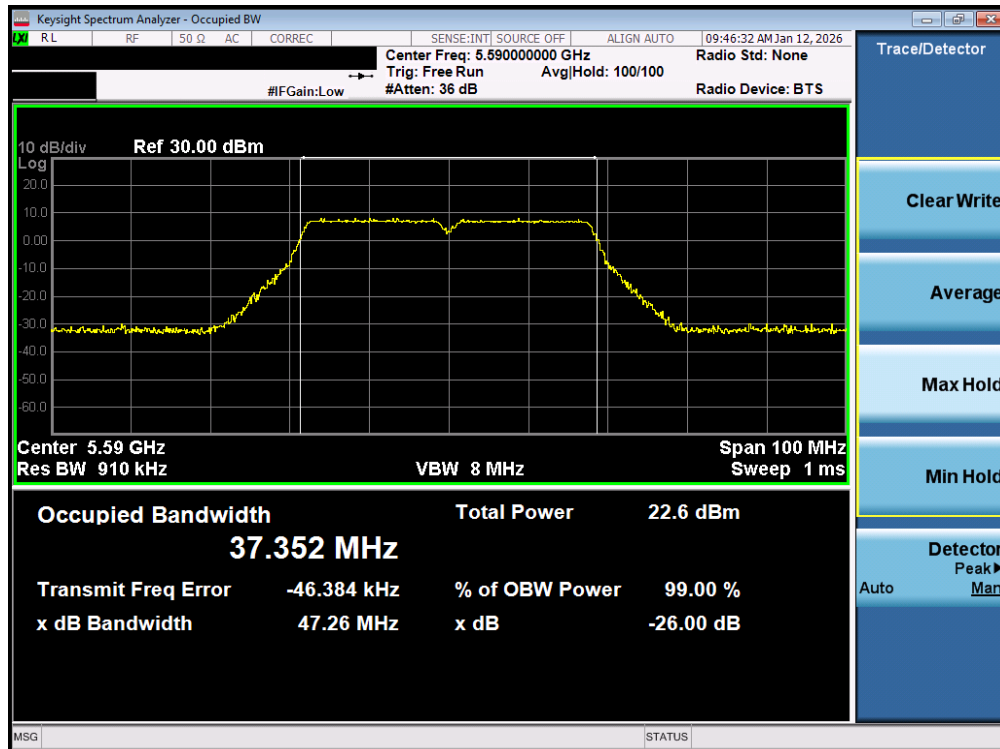


Plot 7-18. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 120)

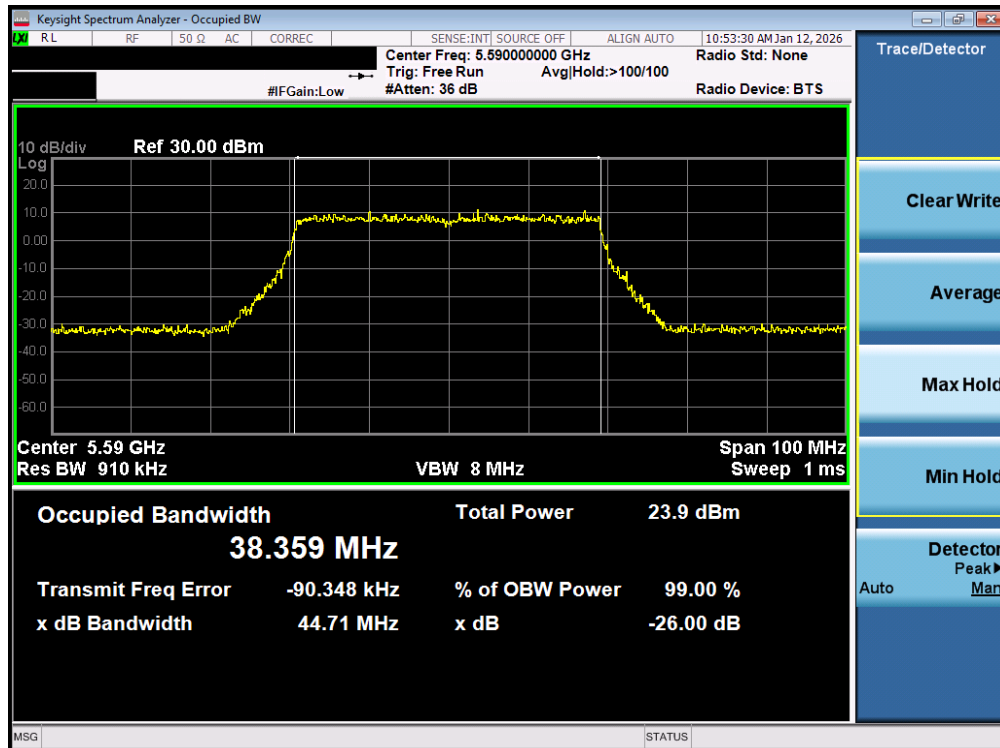


Plot 7-19. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 2C) – Ch. 120)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 30 of 171

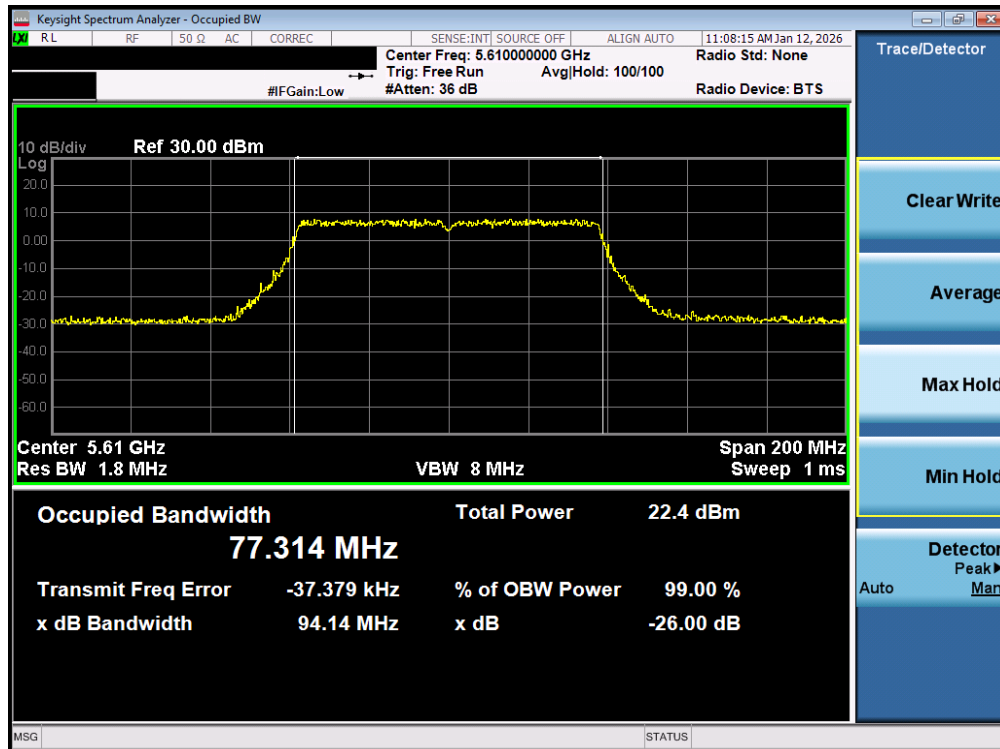


Plot 7-20. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

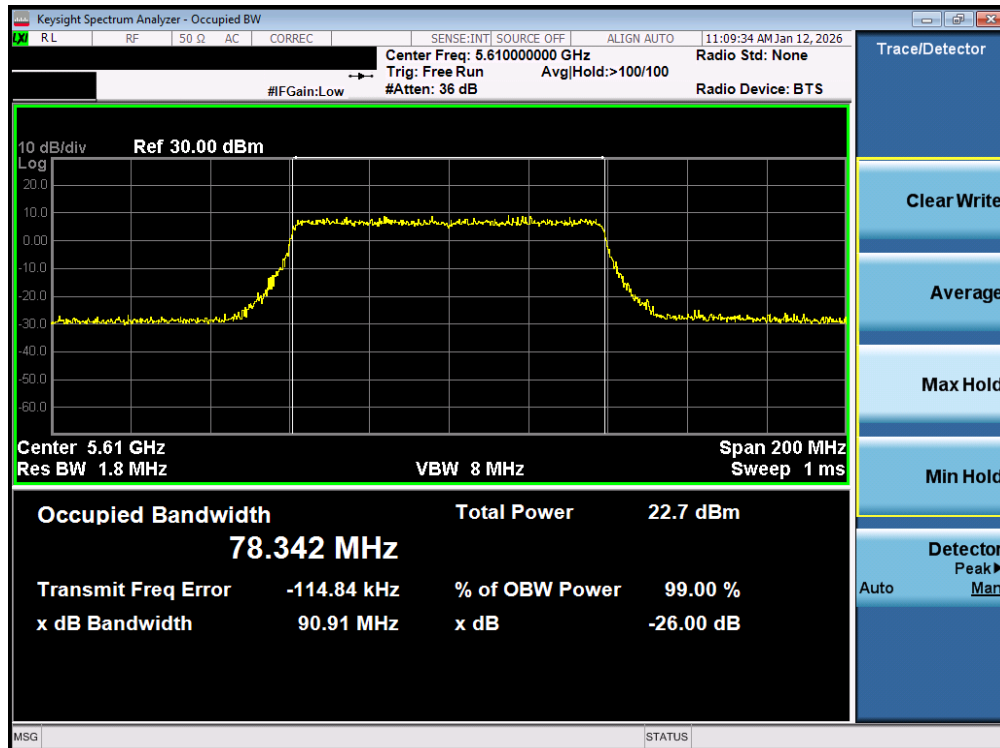


Plot 7-21. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 2C) – Ch. 118)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 31 of 171

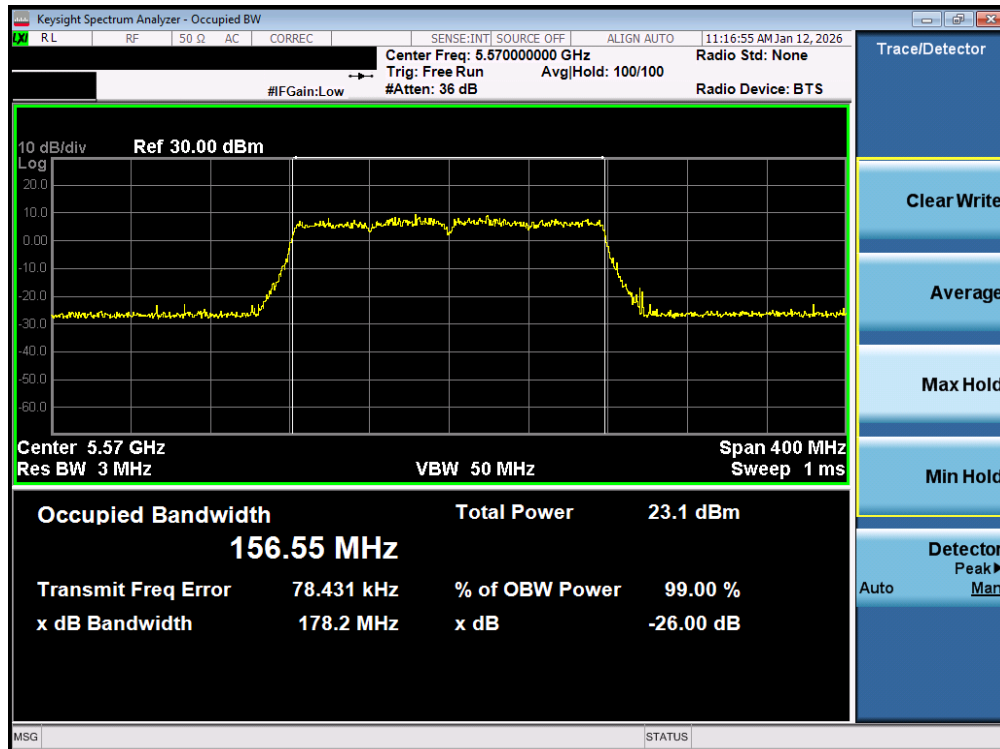


Plot 7-22. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

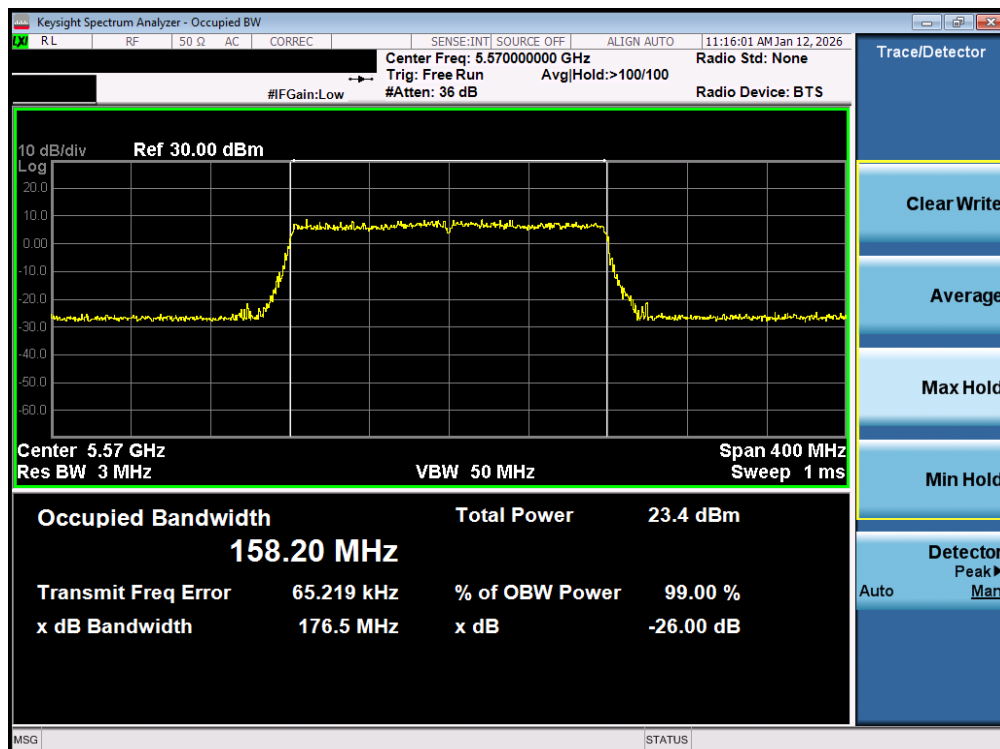


Plot 7-23. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 2C) – Ch. 122)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 32 of 171



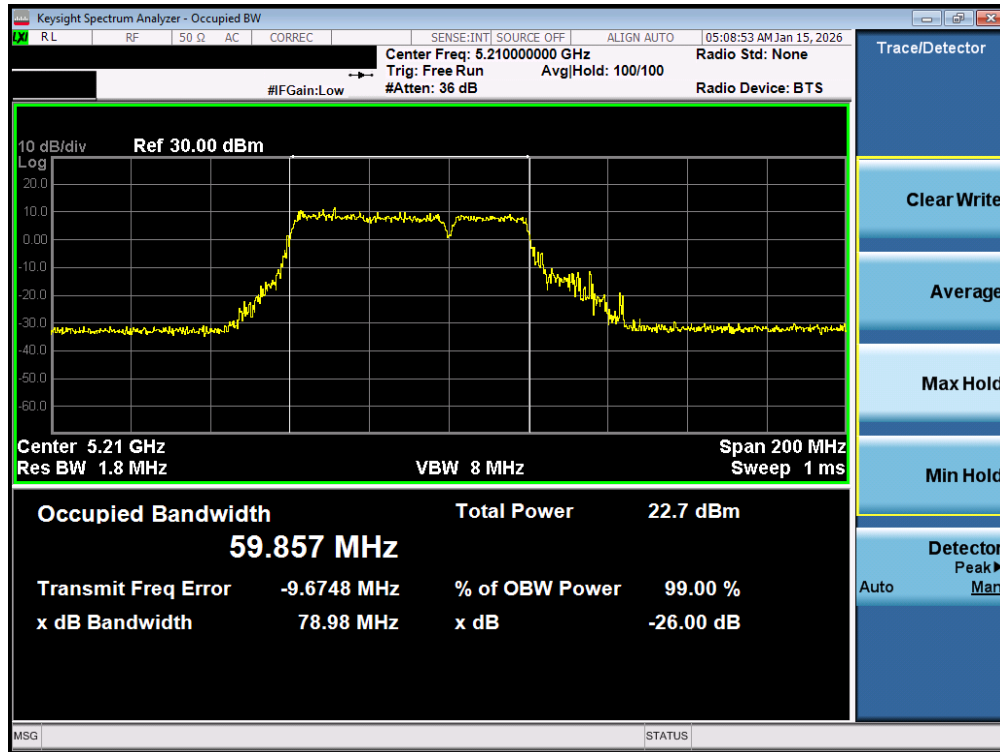
Plot 7-24. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)



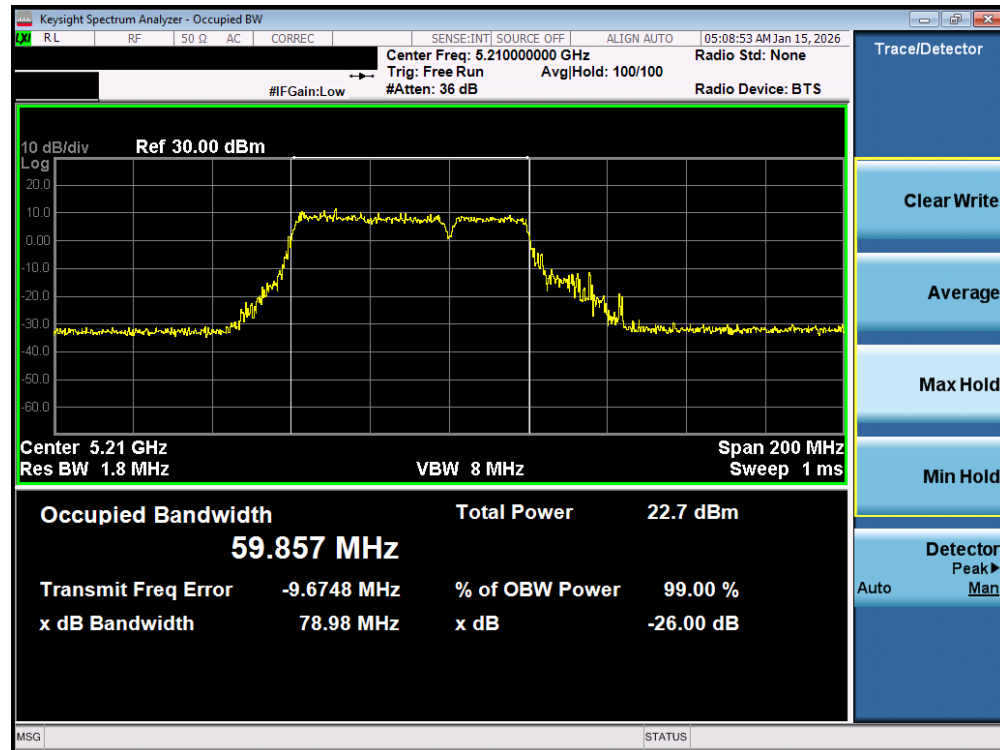
Plot 7-25. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ax/be (UNII Band 2C) – Ch. 114)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 33 of 171

MIMO Antenna-1 26dB Bandwidth Measurements – Puncture

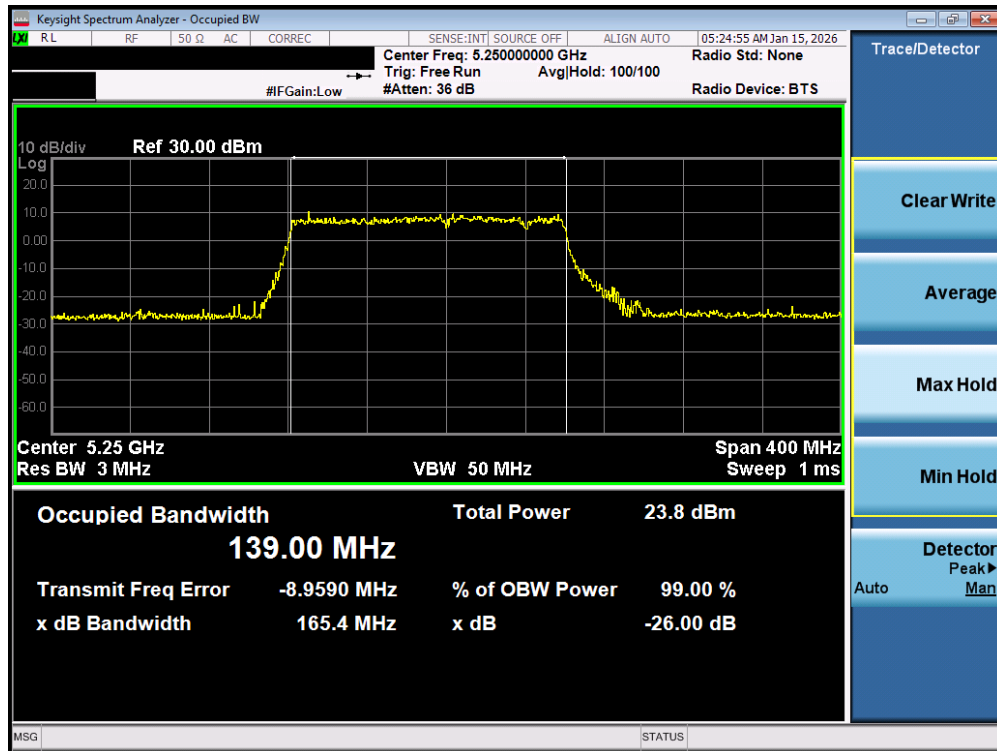


Plot 7-26. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11be (UNII Band 1) – Ch. 42) – 20MHz Puncture

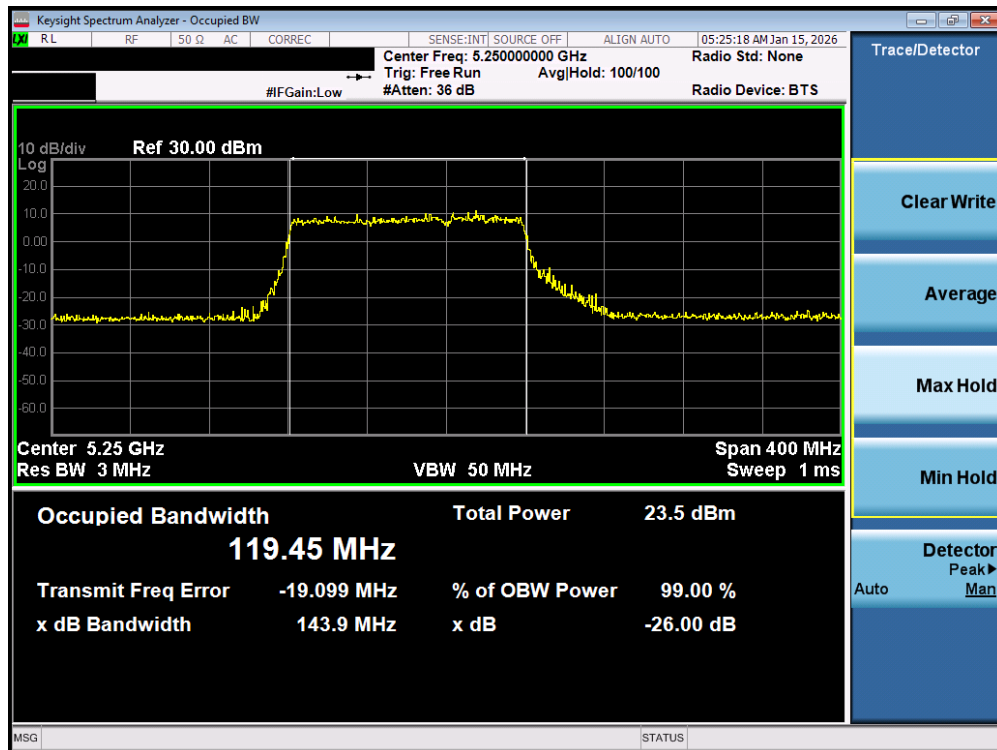


Plot 7-27. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11be (UNII Band 1) – Ch. 42) – 20MHz Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 34 of 171

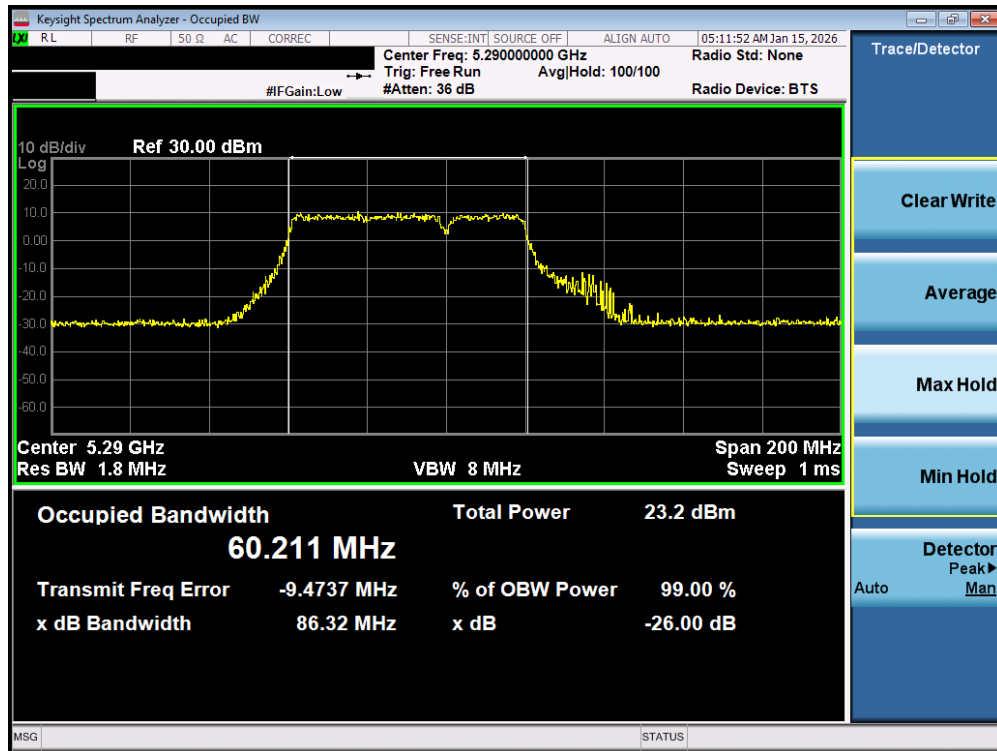


Plot 7-28. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11be (UNII Band 1/2A) – Ch. 50) – 20MHz Puncture

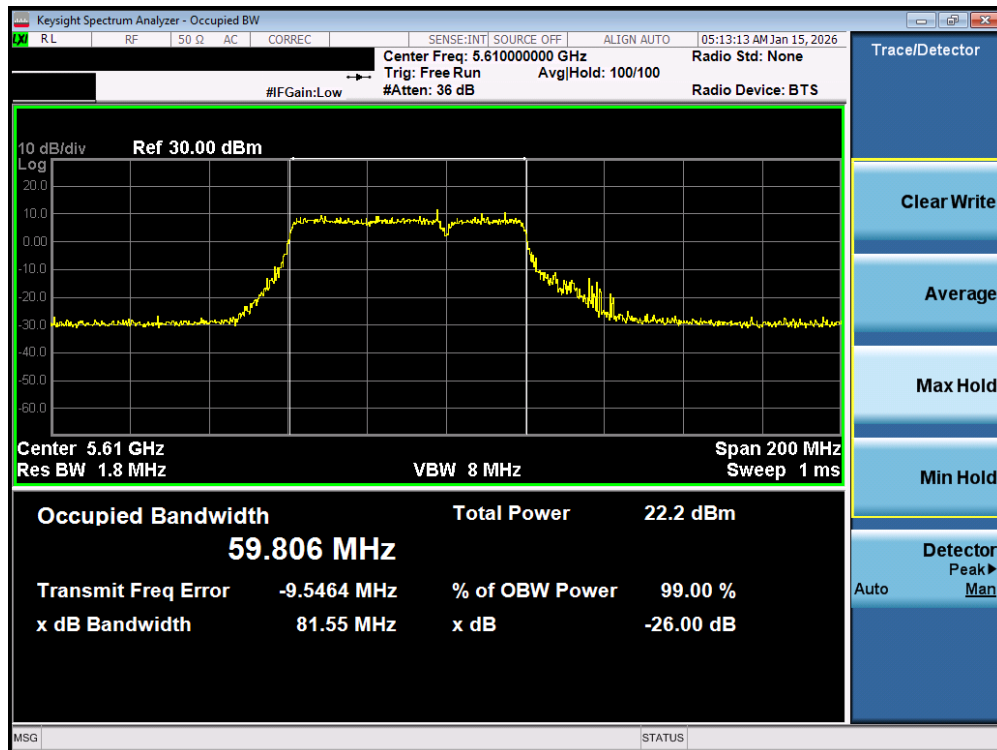


Plot 7-29. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11be (UNII Band 1/2A) – Ch. 50) – 40MHz Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 35 of 171

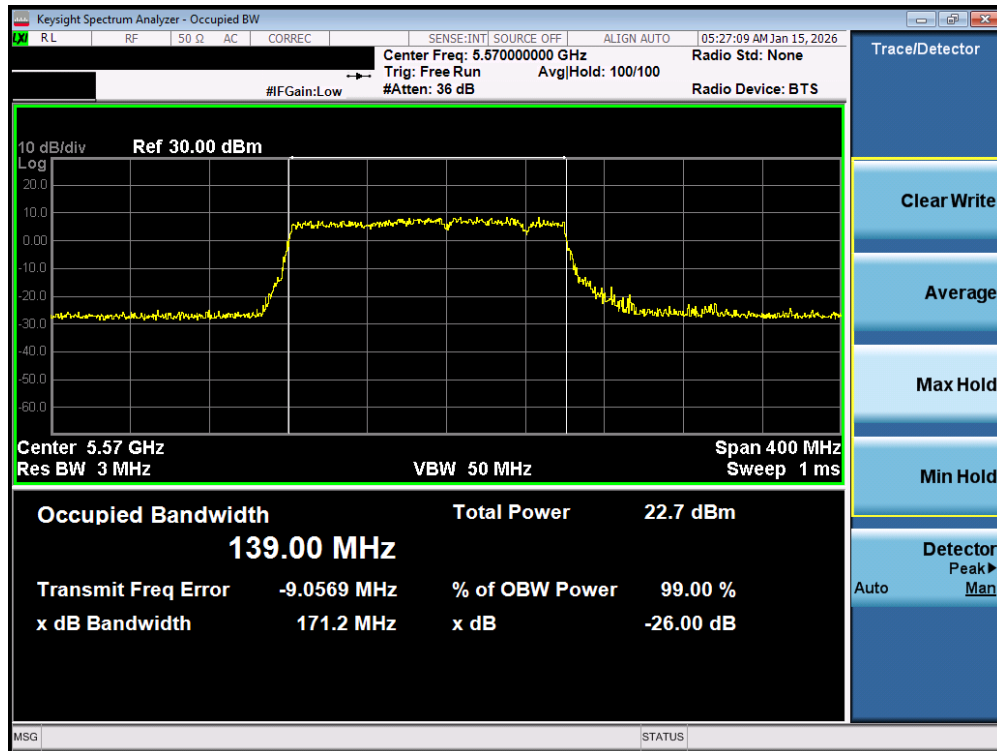


Plot 7-30. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11be (UNII Band 2A) – Ch. 58) – 20MHz Puncture

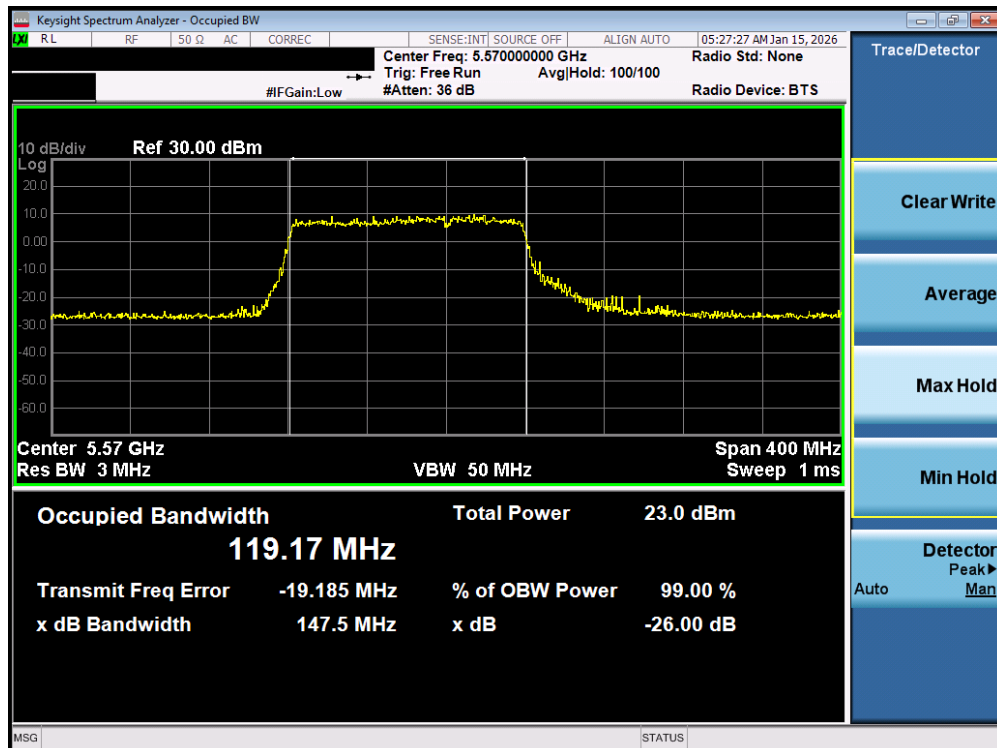


Plot 7-31. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11be (UNII Band 2C) – Ch. 122) – 20MHz Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 36 of 171



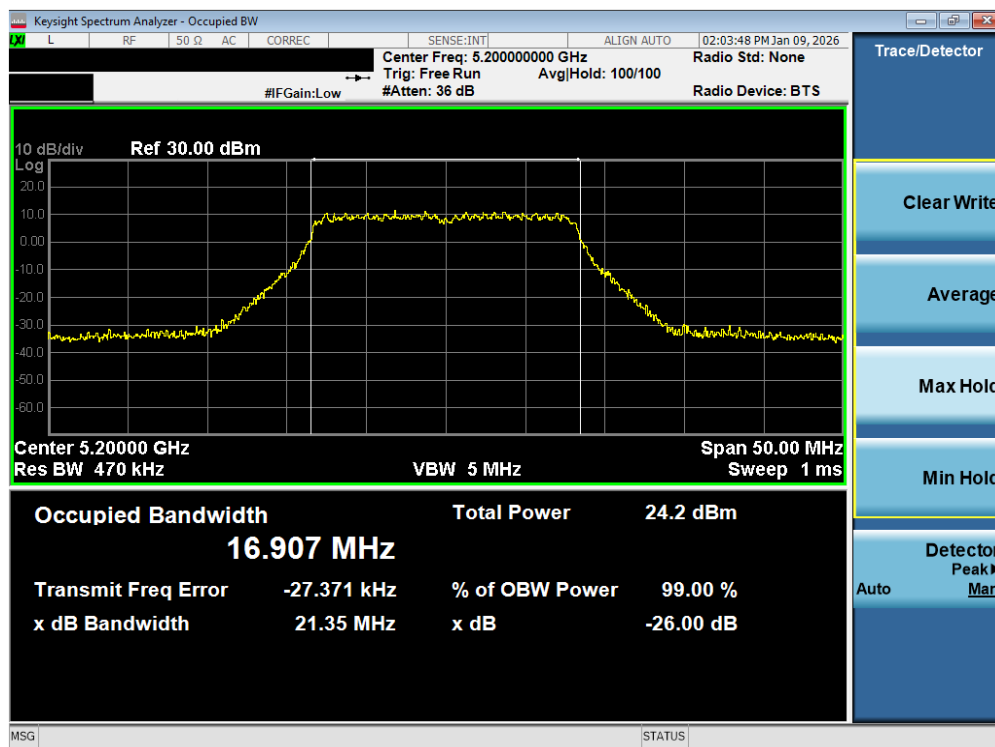
Plot 7-32. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11be (UNII Band 2C) – Ch. 114) – 20MHz Puncture



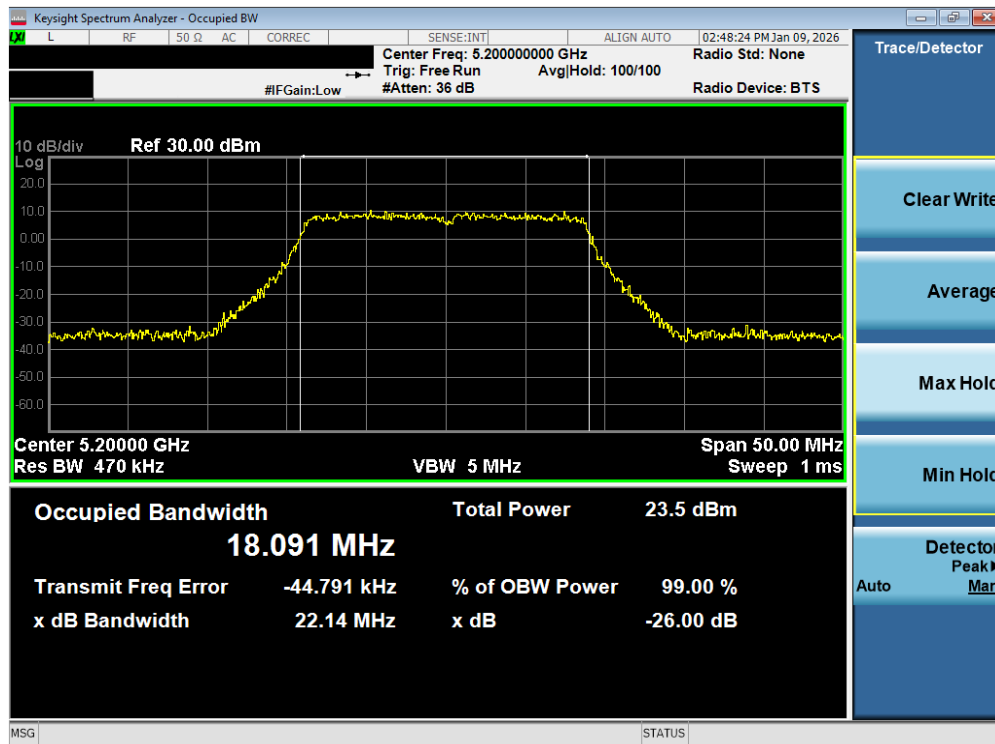
Plot 7-33. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11be (UNII Band 2C) – Ch. 114) – 40MHz Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 37 of 171

7.2.2 MIMO Antenna-2 26dB Bandwidth Measurements

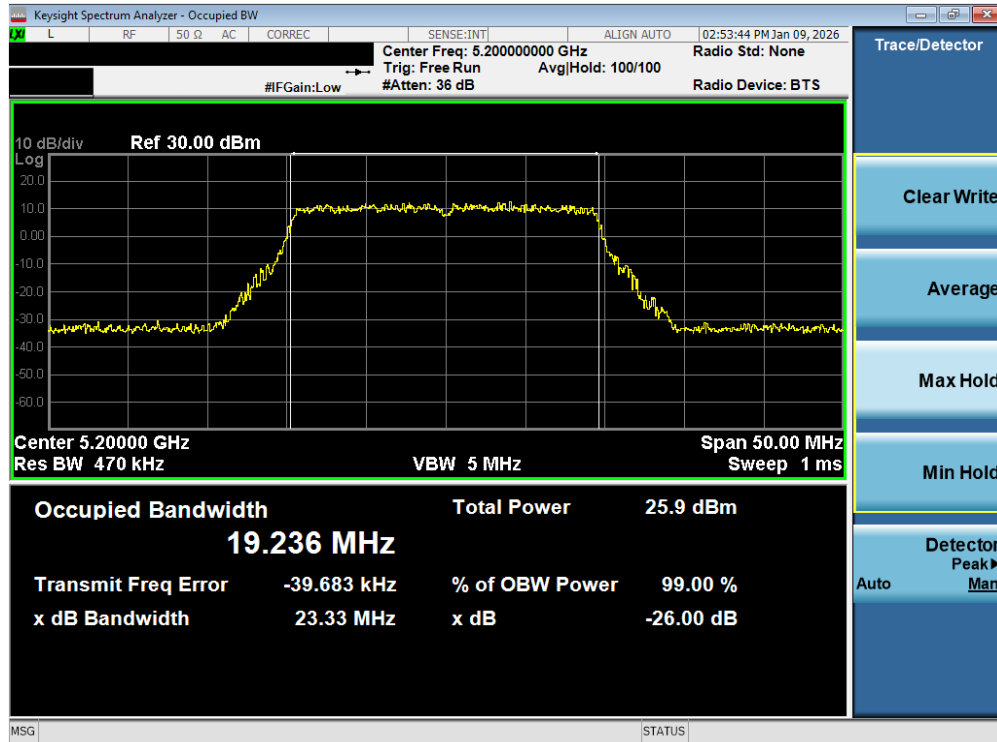


Plot 7-34. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 1) – Ch. 40)

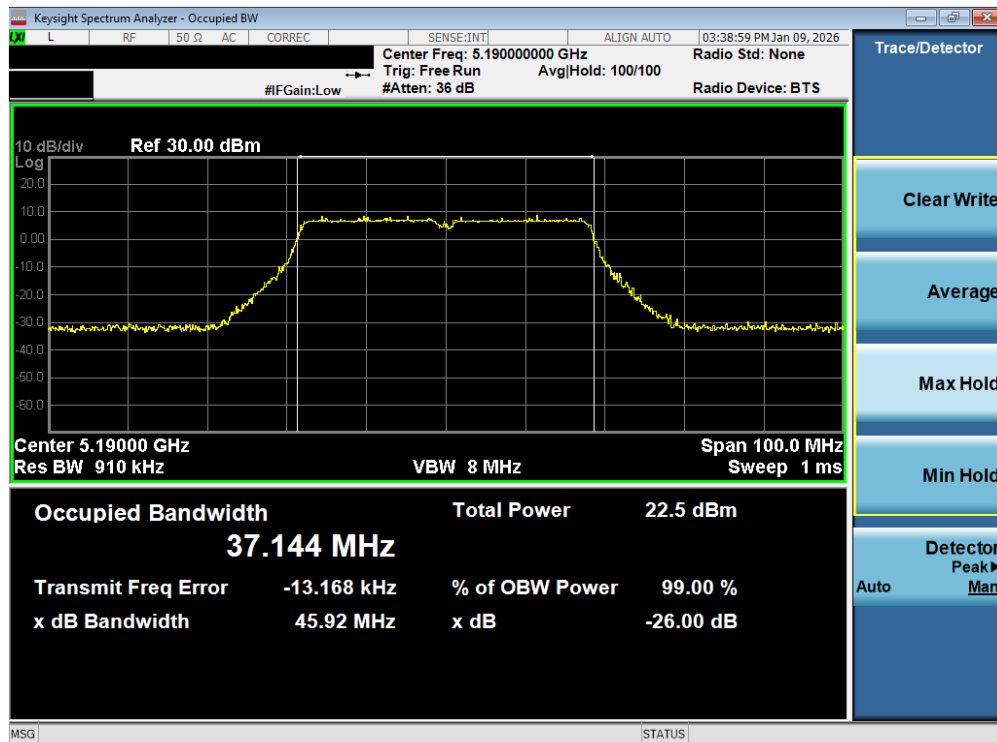


Plot 7-35. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 38 of 171

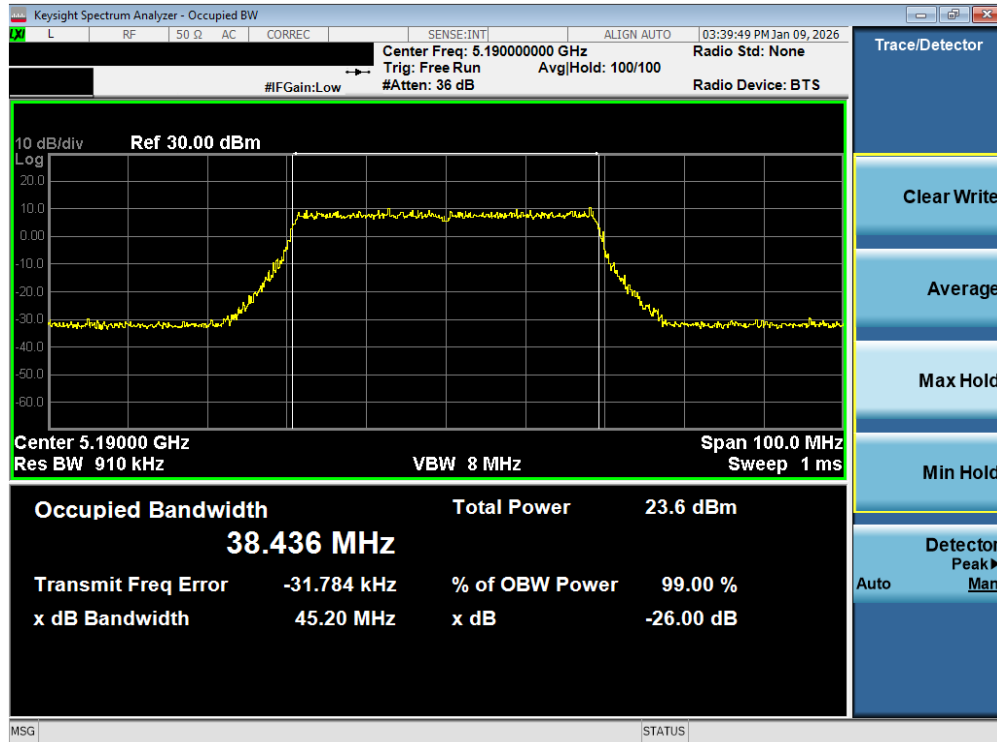


Plot 7-36. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 1) – Ch. 40)

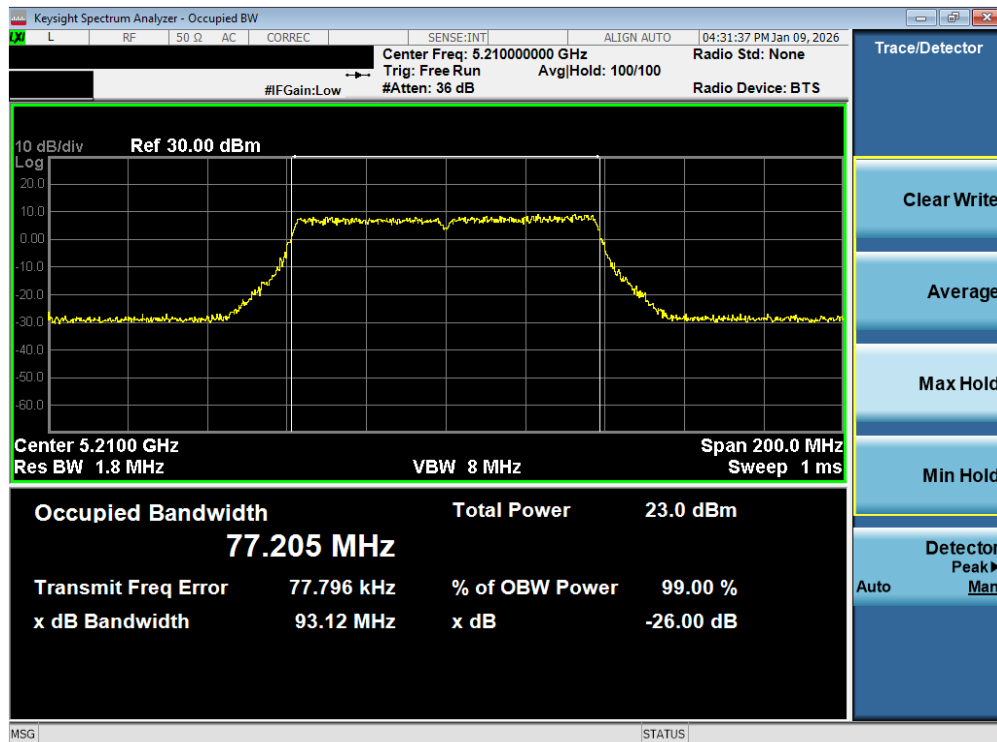


Plot 7-37. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 39 of 171

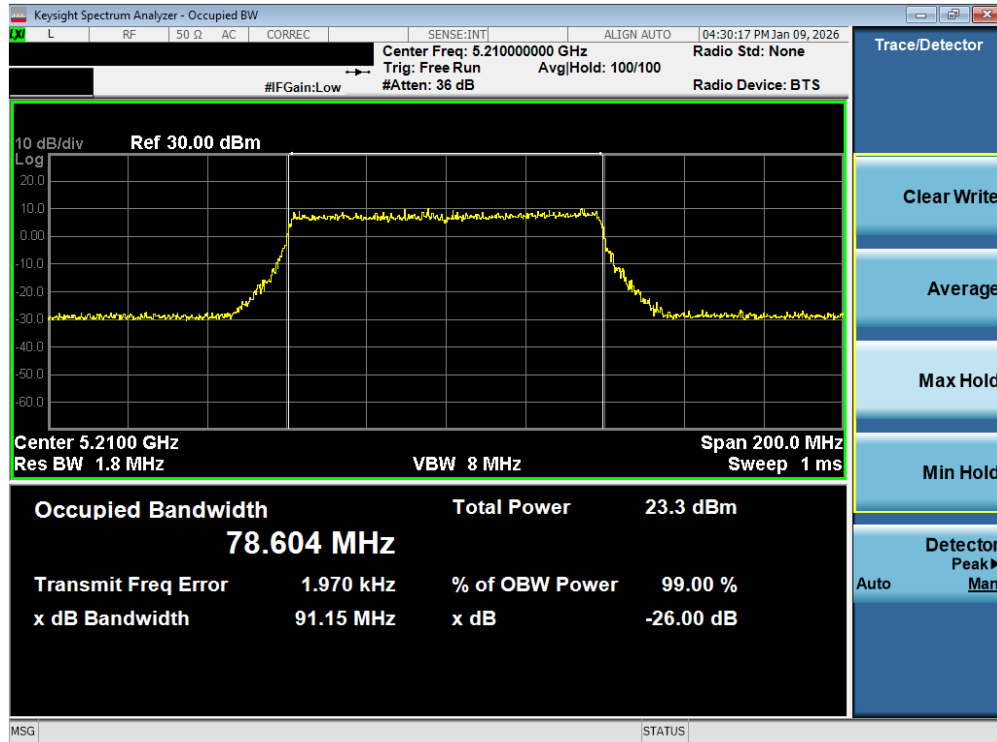


Plot 7-38. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 1) – Ch. 38)

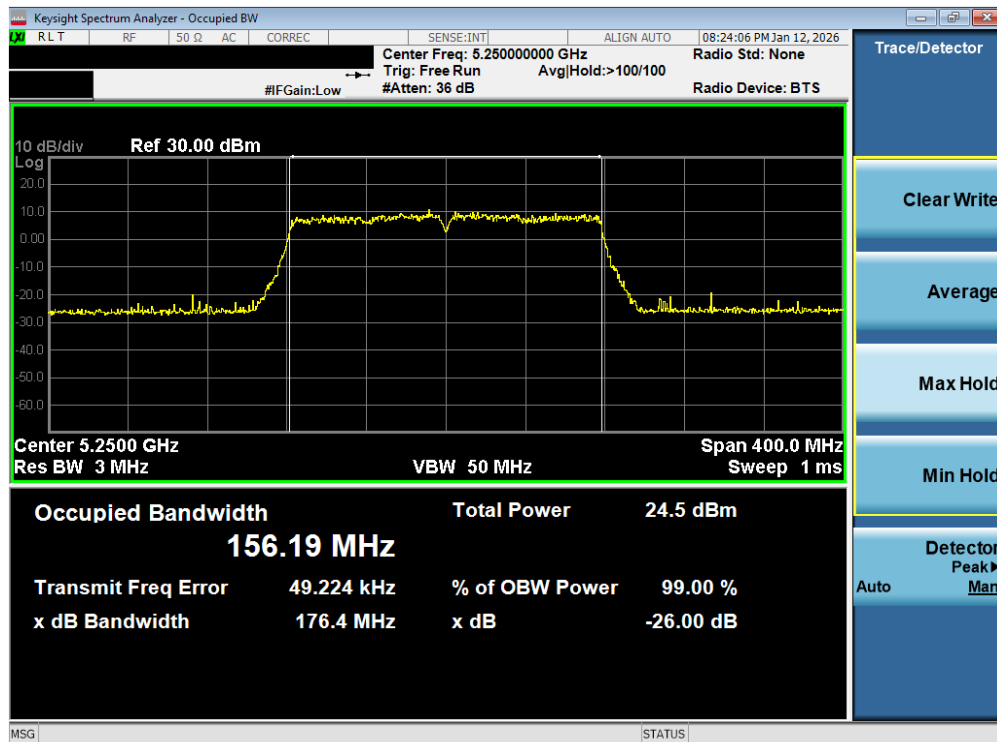


Plot 7-39. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 40 of 171

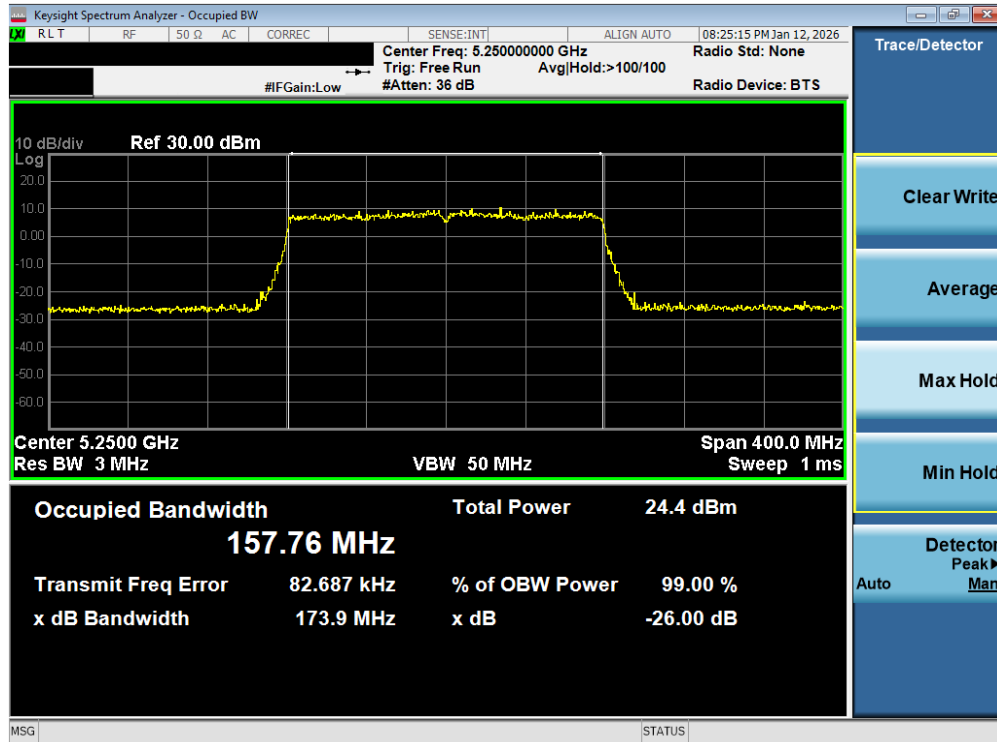


Plot 7-40. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 1) – Ch. 42)

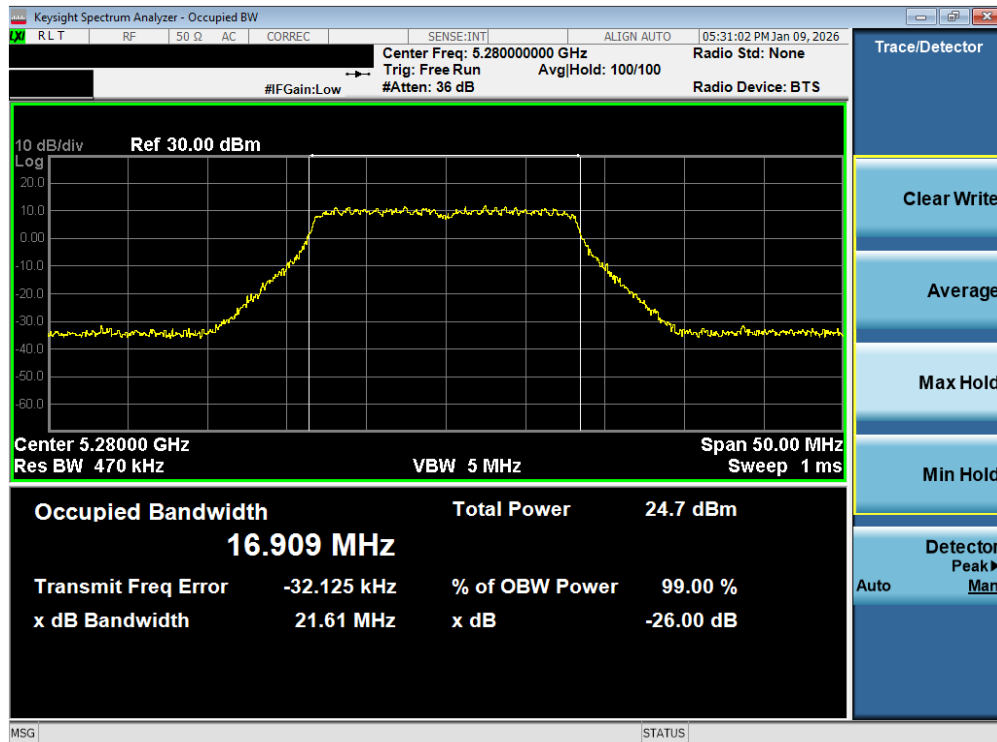


Plot 7-41. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 41 of 171

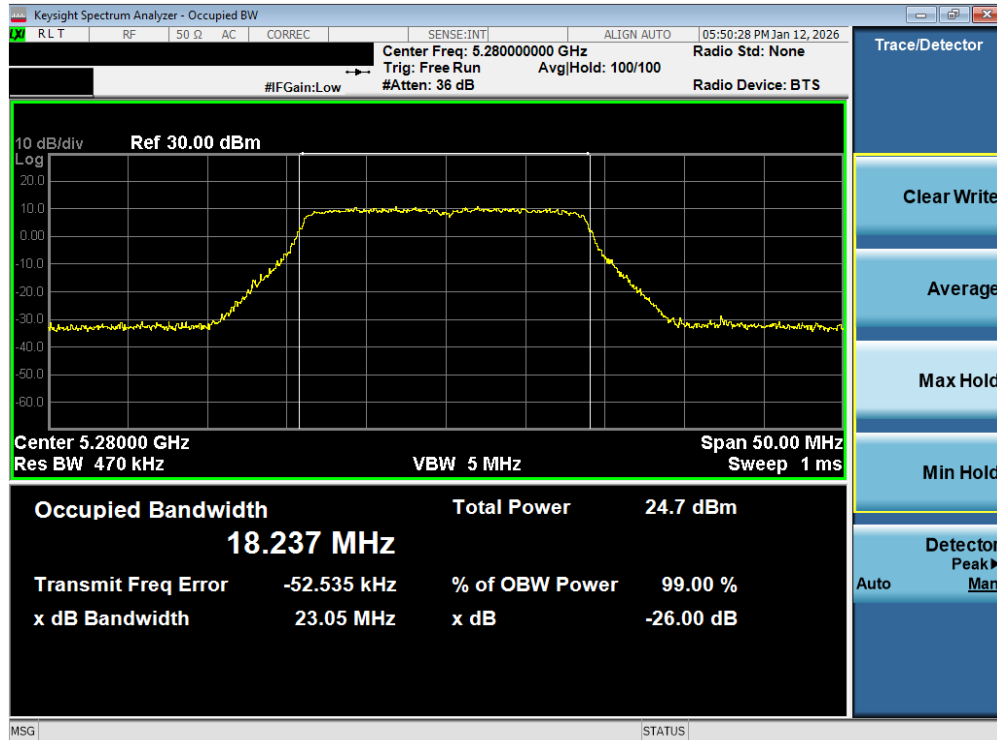


Plot 7-42. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax/be (UNII Band 1/2A) – Ch. 50)

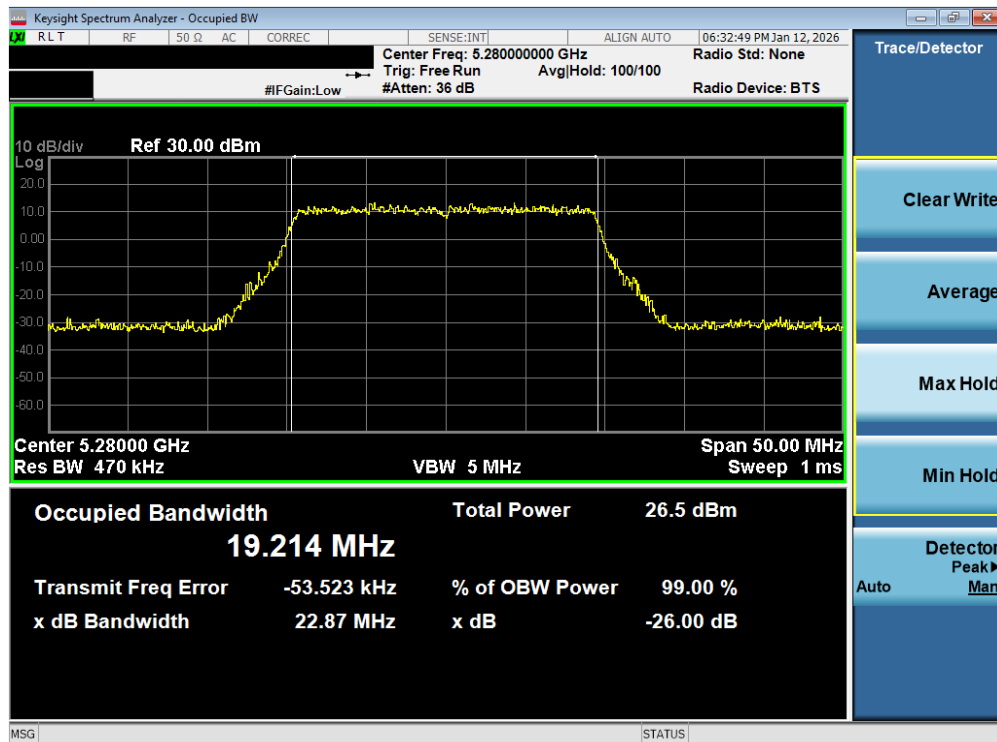


Plot 7-43. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 2A) – Ch. 56)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 42 of 171

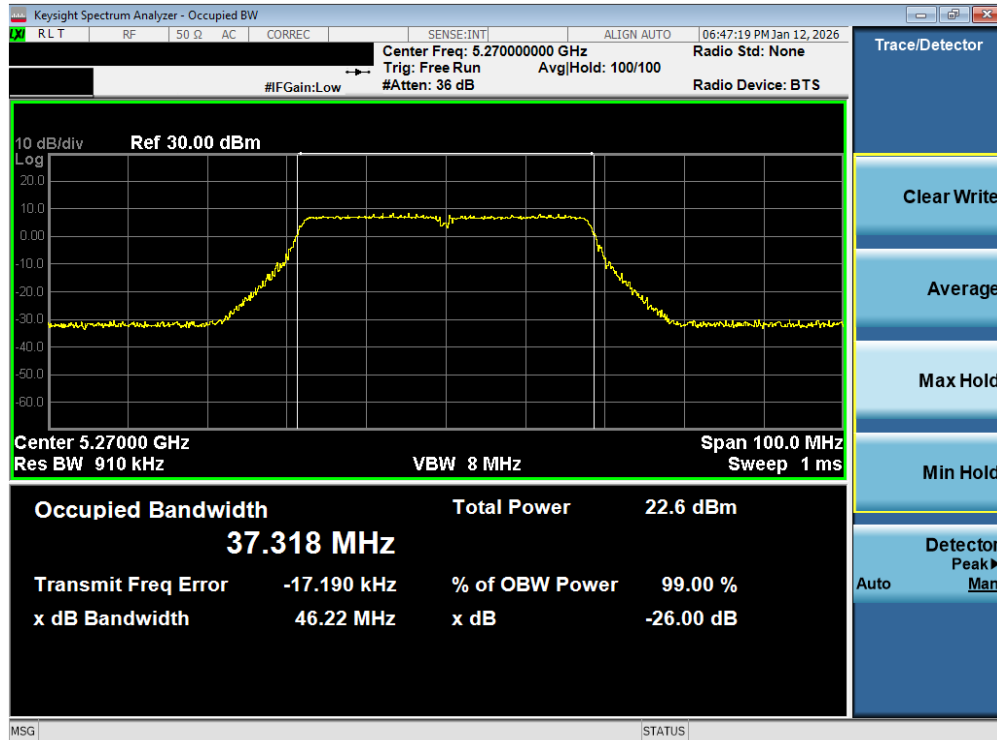


Plot 7-44. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

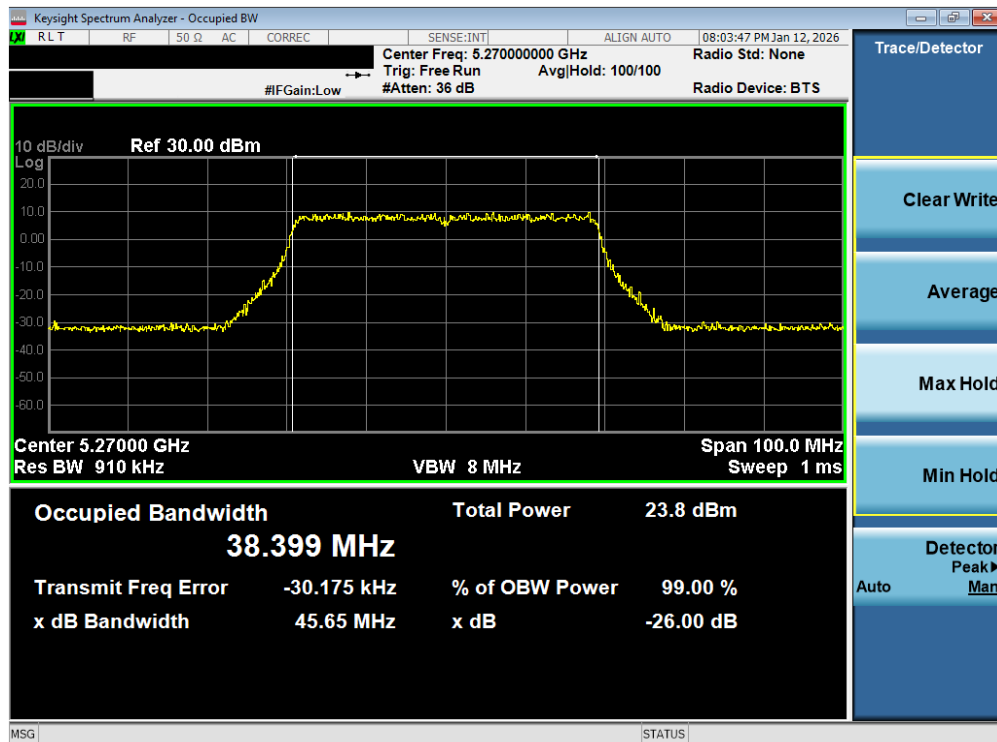


Plot 7-45. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 2A) – Ch. 56)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 43 of 171

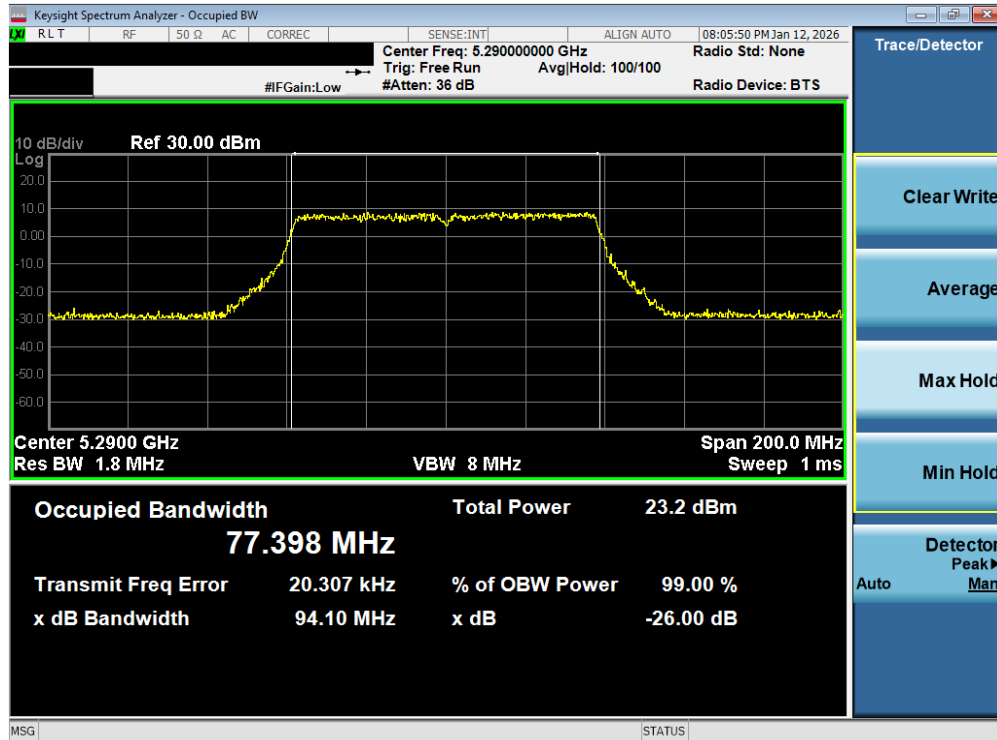


Plot 7-46. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

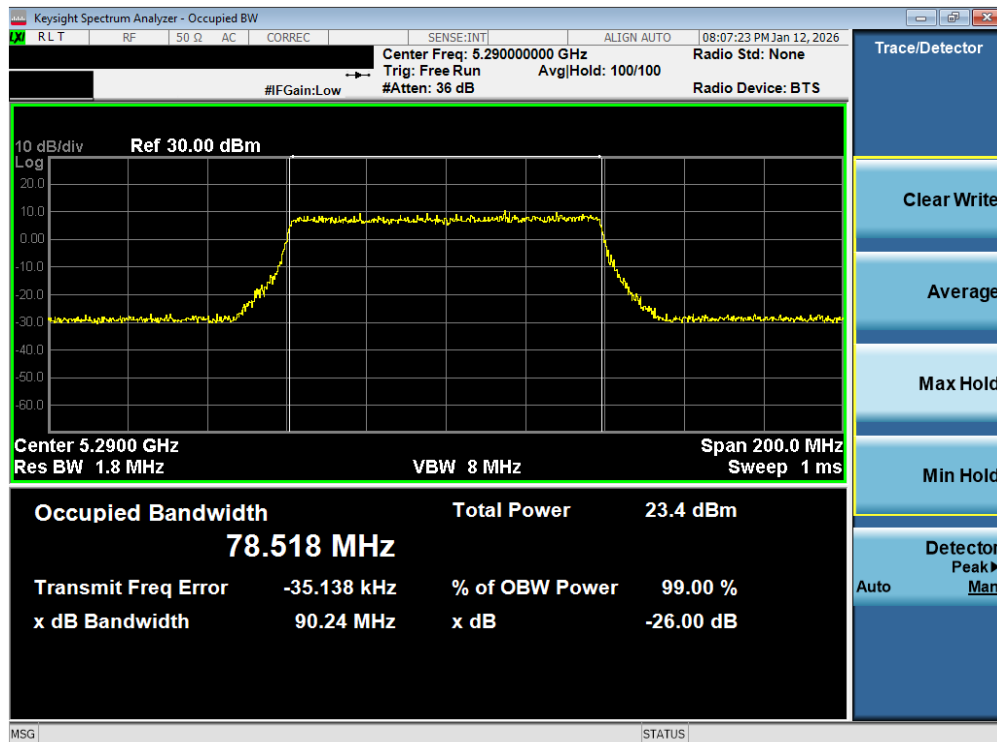


Plot 7-47. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 2A) – Ch. 54)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 44 of 171

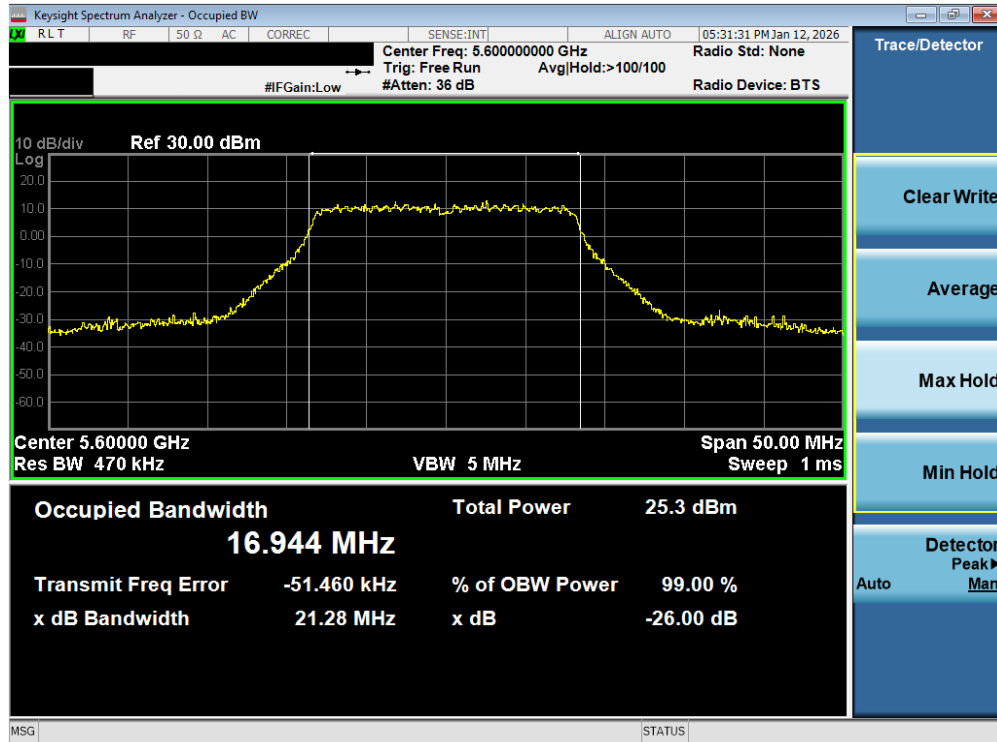


Plot 7-48. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

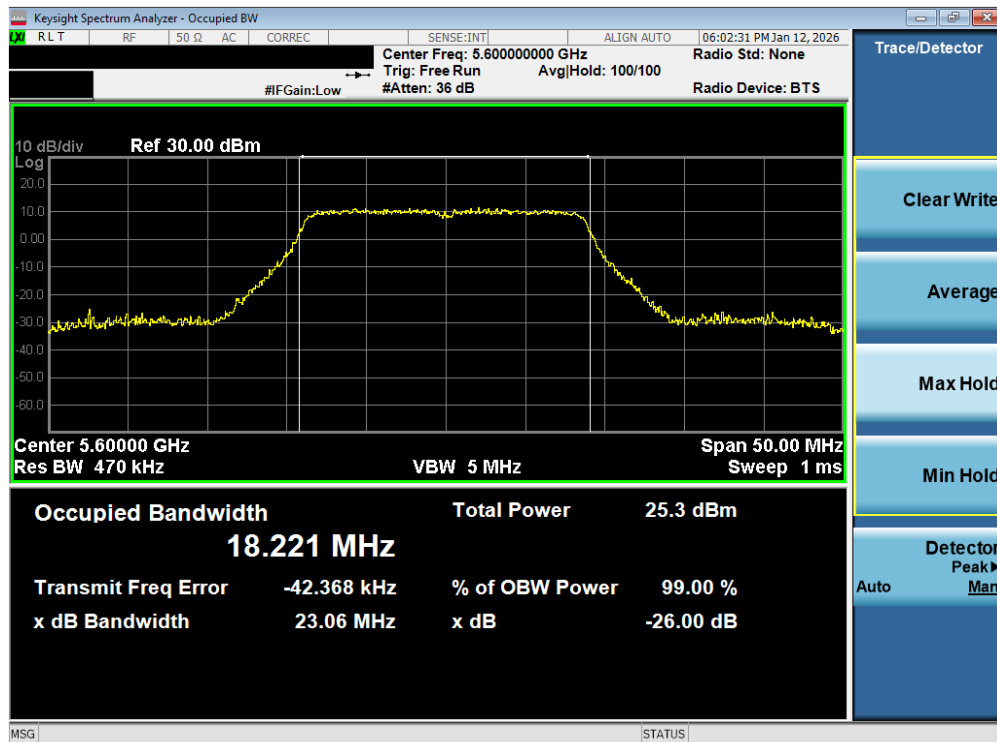


Plot 7-49. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 2A) – Ch. 58)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 45 of 171

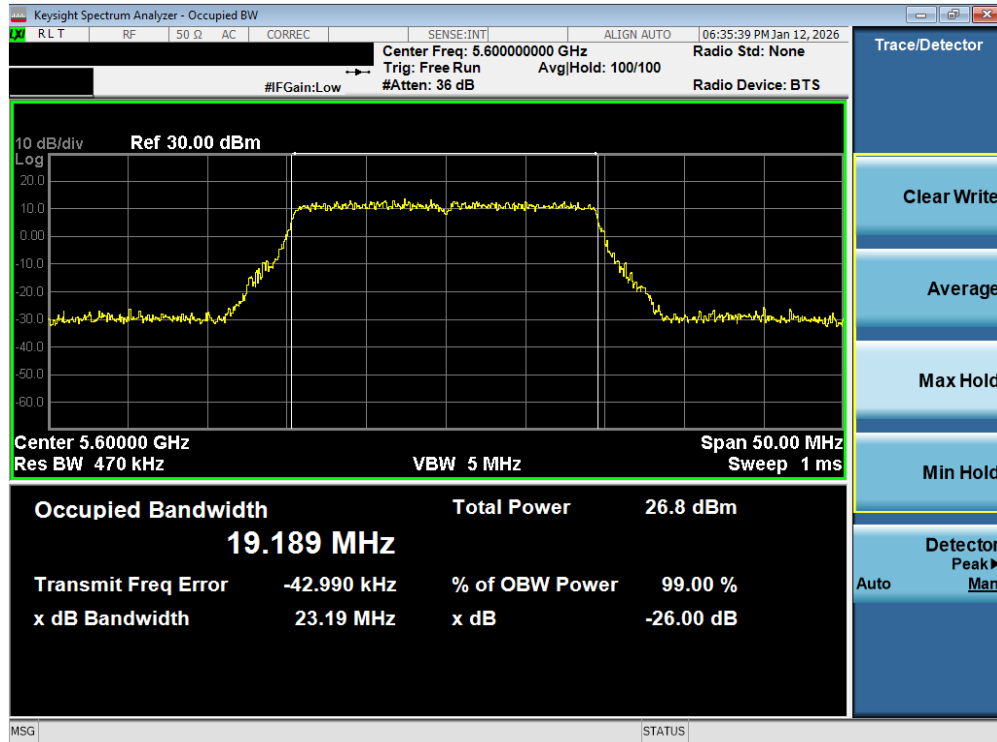


Plot 7-50. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 2C) – Ch. 120)

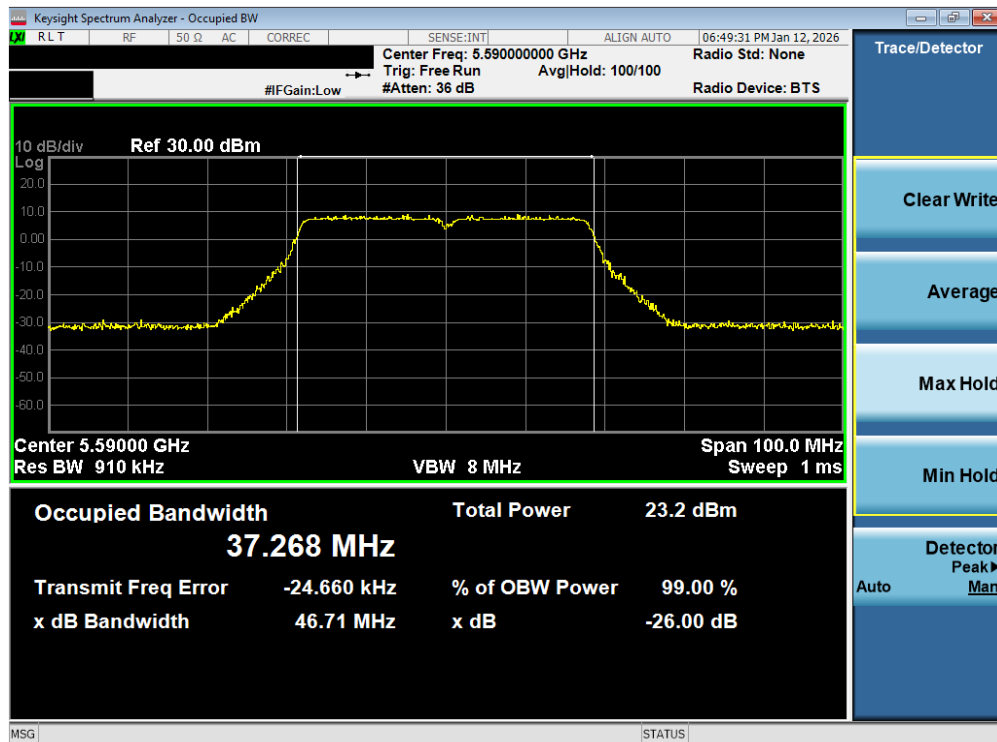


Plot 7-51. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 120)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 46 of 171

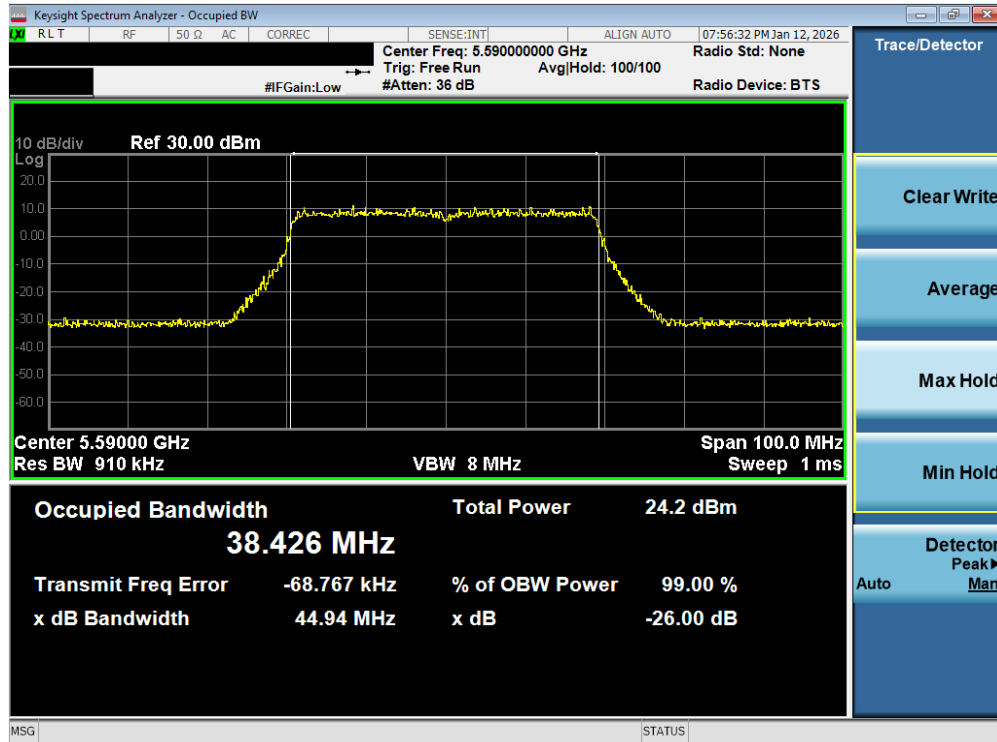


Plot 7-52. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 2C) – Ch. 120)

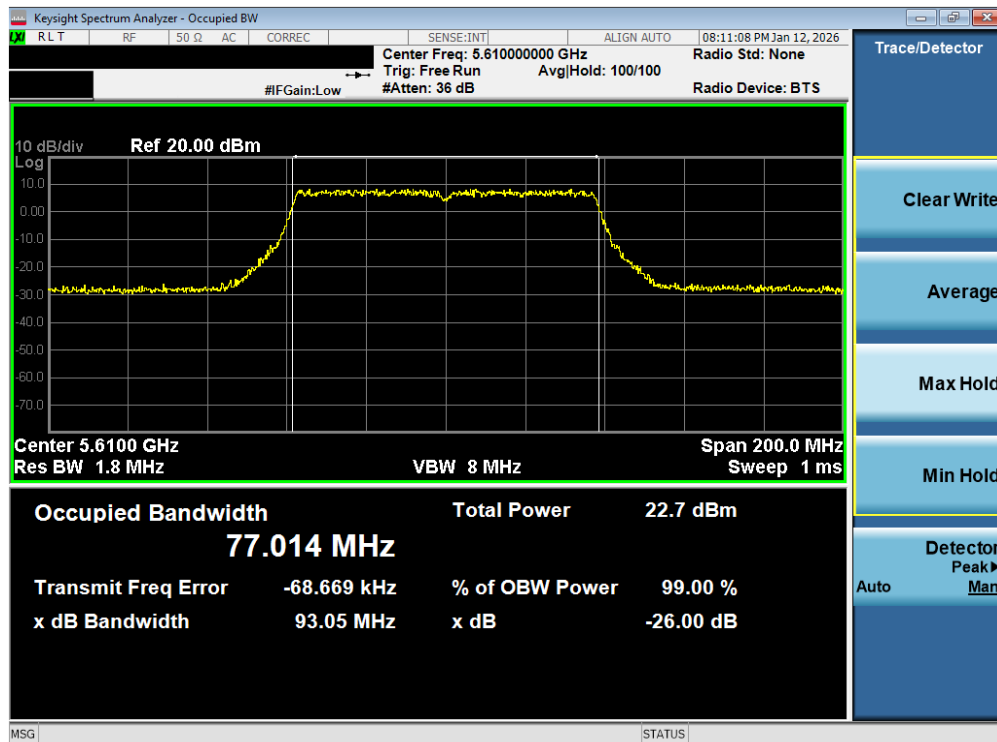


Plot 7-53. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 47 of 171

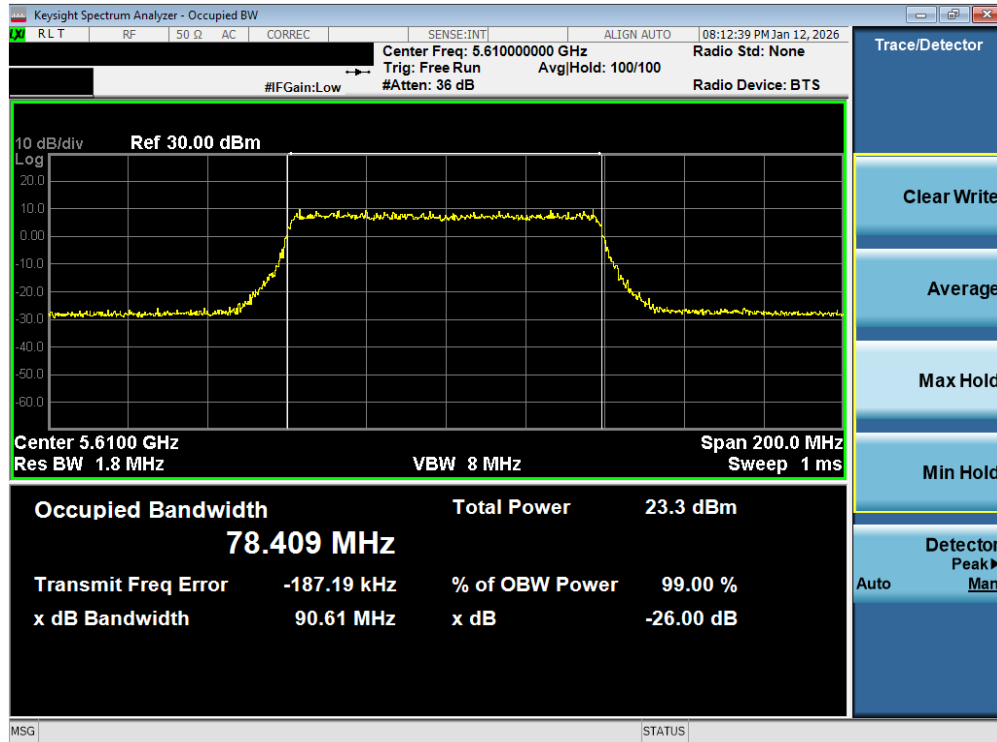


Plot 7-54. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 2C) – Ch. 118)

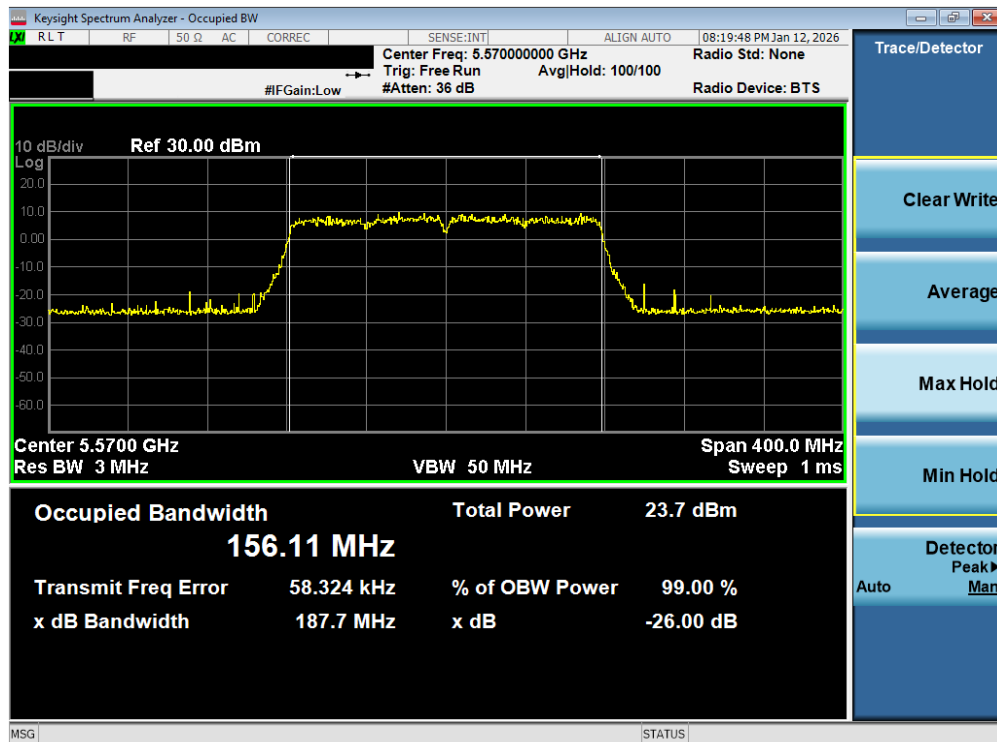


Plot 7-55. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 48 of 171

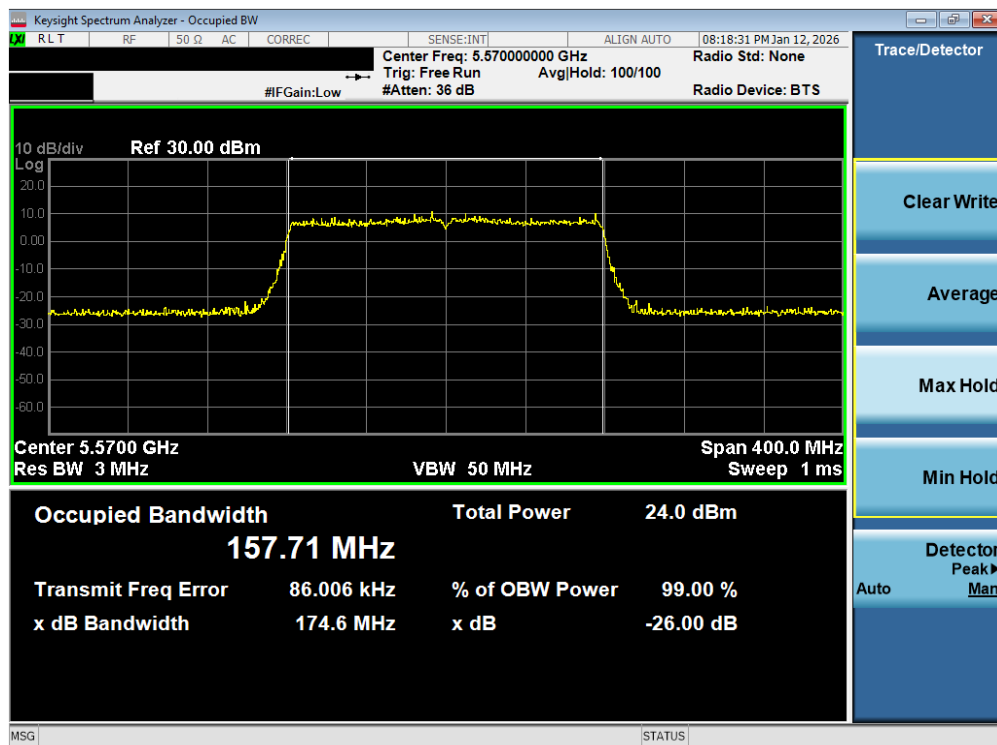


Plot 7-56. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 2C) – Ch. 122)



Plot 7-57. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)

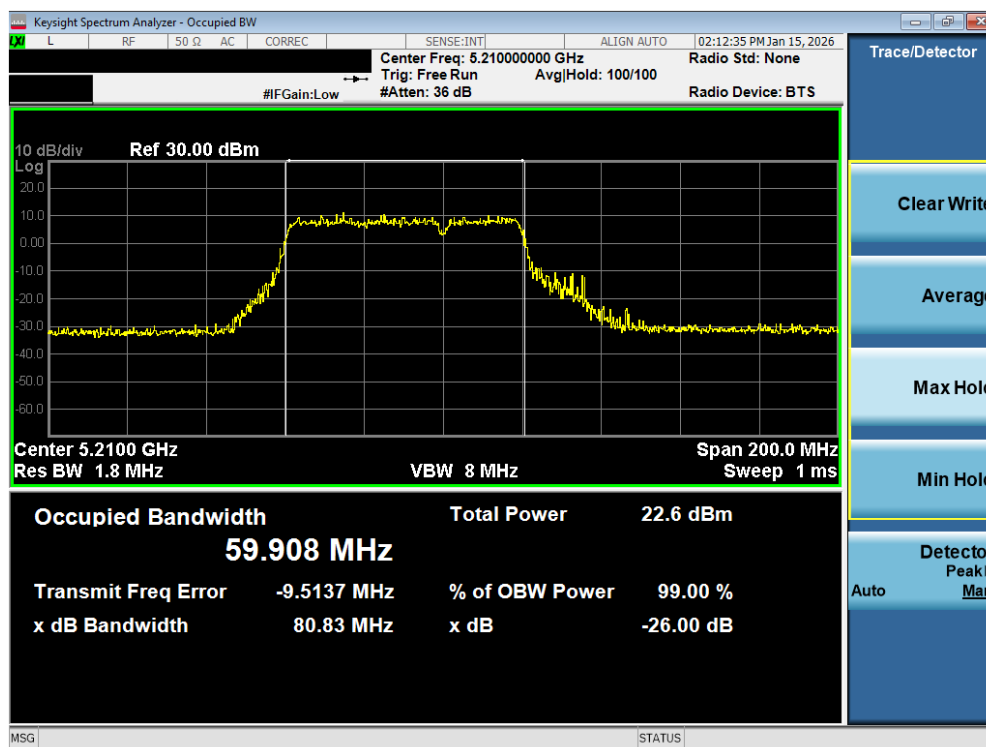
FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 49 of 171



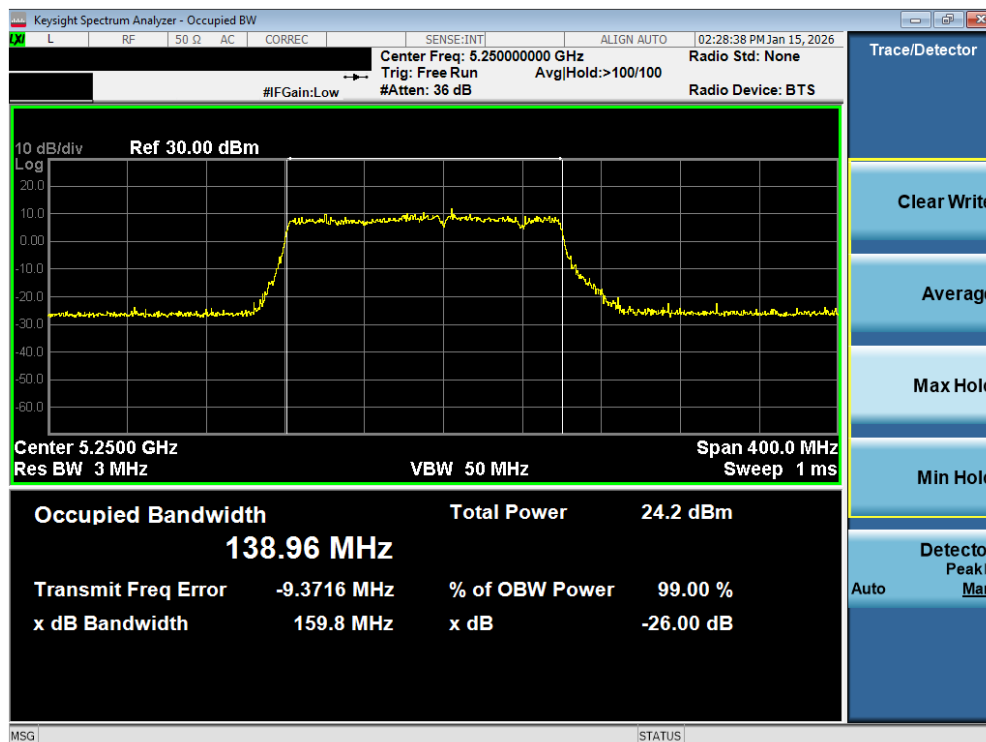
Plot 7-58. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax/be (UNII Band 2C) – Ch. 114)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 50 of 171

MIMO Antenna-2 26dB Bandwidth Measurements – Puncture

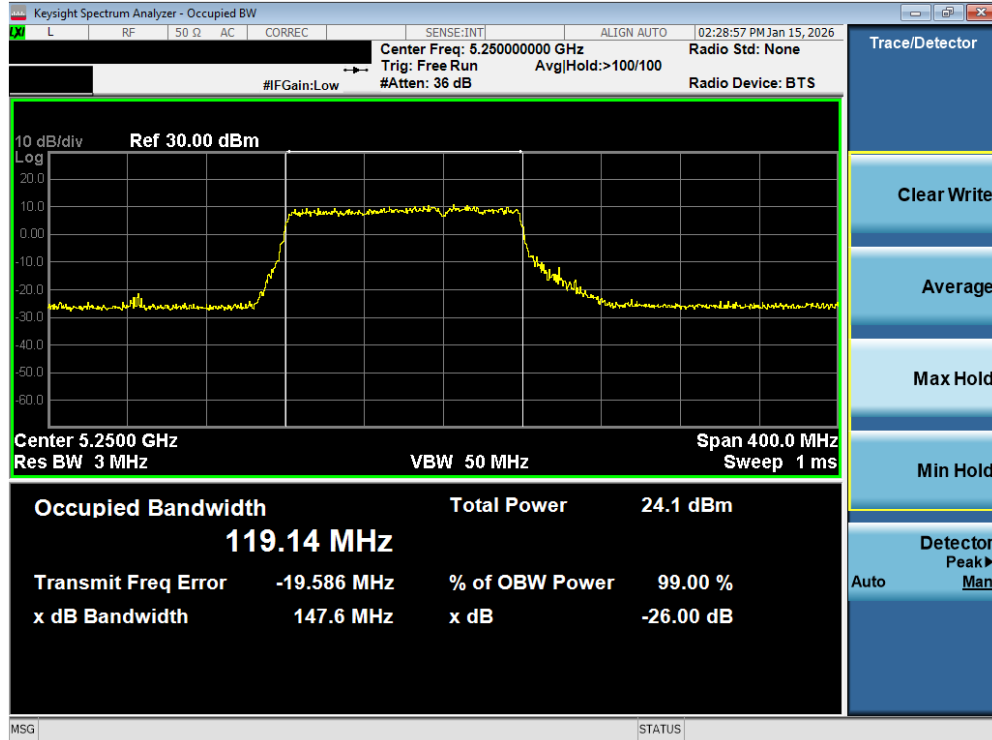


Plot 7-59. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11be (UNII Band 1) – Ch. 42) – 20MHz Puncture

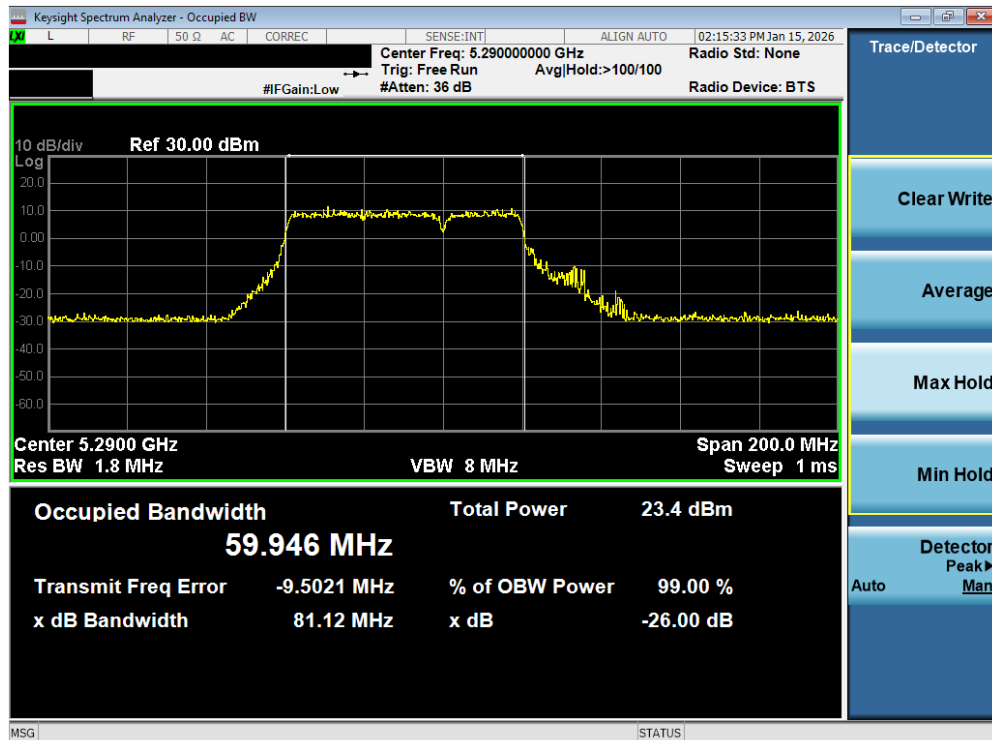


Plot 7-60. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11be (UNII Band 1/2A) – Ch. 50) – 20MHz Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 51 of 171

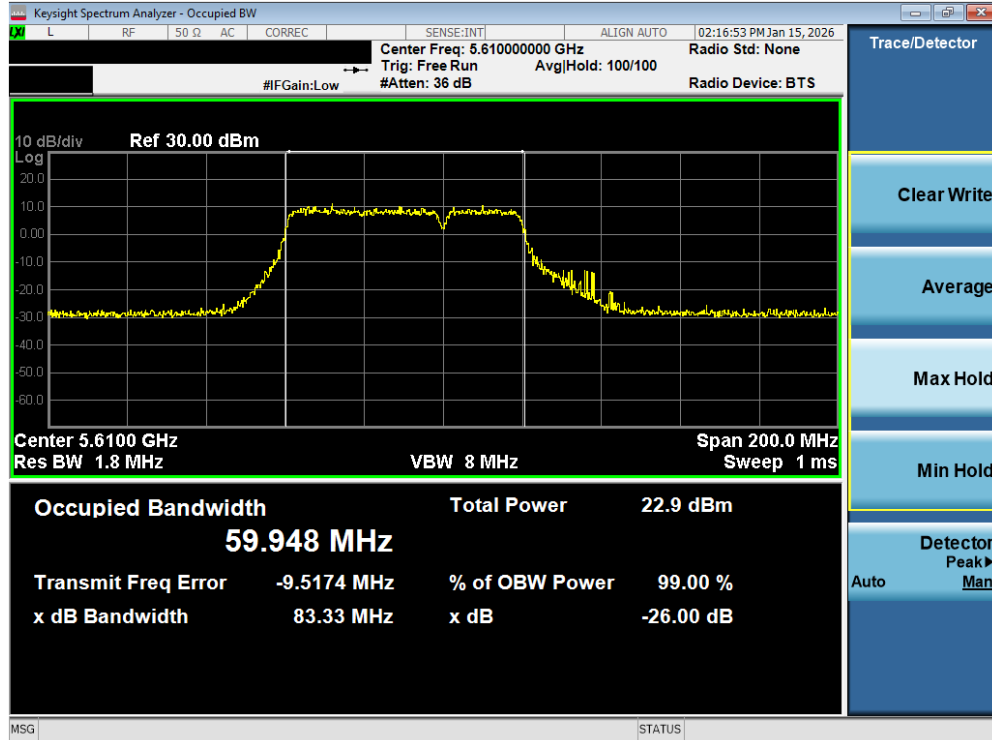


Plot 7-61. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11be (UNII Band 1/2A) – Ch. 50) – 40MHz Puncture

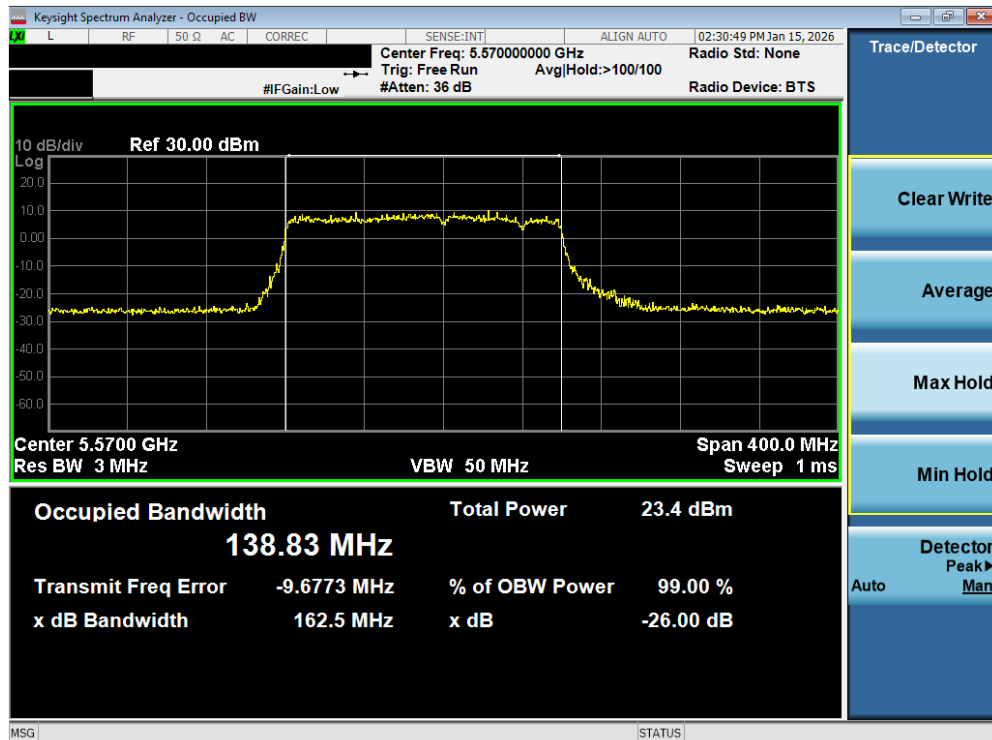


Plot 7-62. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11be (UNII Band 2A) – Ch. 58) – 20MHz Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 52 of 171

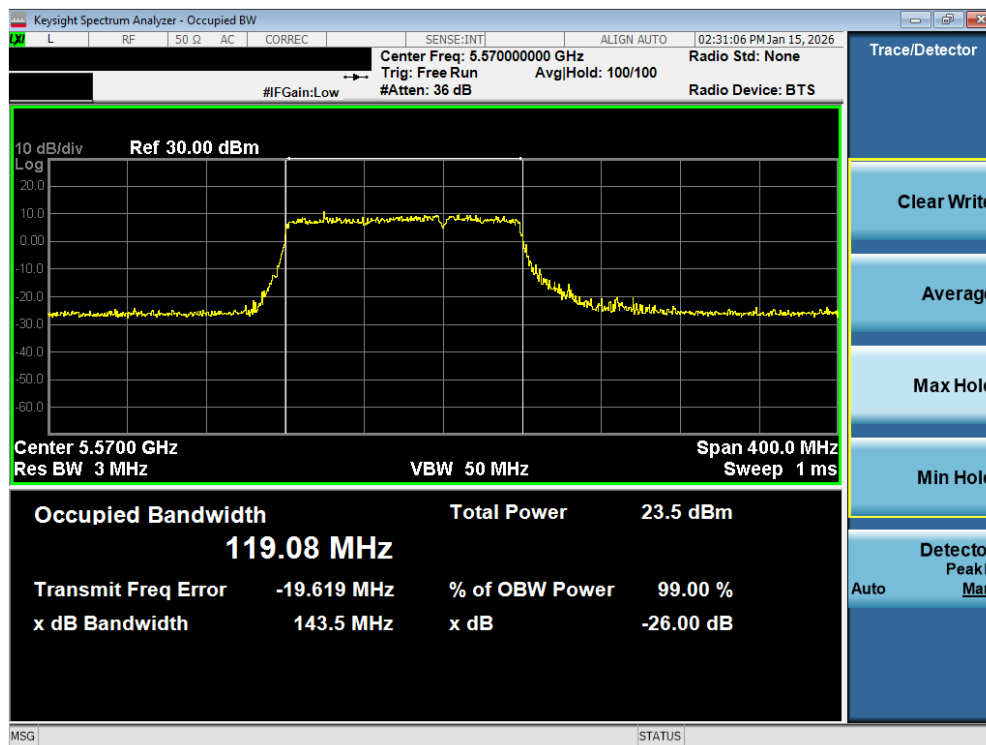


Plot 7-63. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11be (UNII Band 2C) – Ch. 122) – 20MHz Puncture



Plot 7-64. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11be (UNII Band 2C) – Ch. 114) – 20MHz Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 53 of 171



Plot 7-65. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11be (UNII Band 2C) – Ch. 114) – 40MHz Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 54 of 171

7.3 6dB Bandwidth Measurement

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020, 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 and 5.850 – 5.895GHz band, the 6dB bandwidth must be ≥ 500 kHz.

Test Procedure Used

ANSI C63.10-2020 – Section 6.9.2

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

All cases were investigated; a subset of the taken plots were included to represent relevant settings and measurements.

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 55 of 171

MIMO 6dB Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Antenna-1 6dB Bandwidth [MHz]	Antenna-2 6dB Bandwidth [MHz]
Band 3	5745	149	a	16.39	16.40
	5785	157	a	16.41	16.40
	5825	165	a	16.40	16.41
	5745	149	n	17.61	17.62
	5785	157	n	17.61	17.63
	5825	165	n	17.61	17.61
	5745	149	be SU	18.96	18.98
	5785	157	be SU	18.97	19.02
	5825	165	be SU	18.93	18.94
	5755	151	n	36.49	36.43
	5795	159	n	36.43	36.46
	5755	151	be SU	38.17	38.26
	5795	159	be SU	38.13	38.13
	5775	155	ac	76.55	76.49
	5775	155	be SU	78.22	78.15

Table 7-4. Band 3 Conducted 6dB Bandwidth Measurements MIMO

	Frequency [MHz]	Channel	802.11 MODE	Antenna-1 6dB Bandwidth [MHz]	Antenna-2 6dB Bandwidth [MHz]
Band 3/4	5845	169	a	16.39	16.41
Band 4	5865	173	a	16.38	16.42
	5885	177	a	17.62	17.63
Band 3/4	5845	169	n	17.63	17.62
Band 4	5865	173	n	17.62	17.61
	5885	177	n	17.62	17.64
Band 3/4	5845	169	be SU	18.91	19.01
Band 4	5865	173	be SU	18.97	18.98
	5885	177	be SU	18.96	19.04
Band 3/4	5835	167	n	36.48	36.43
Band 4	5875	175	n	36.47	36.47
Band 3/4	5835	167	be SU	38.13	38.11
Band 4	5875	175	be SU	38.12	38.11
Band 3/4	5855	171	ac	76.51	76.55
	5855	171	be SU	78.20	77.99
	5815	163	ac	156.30	156.10
	5815	163	be SU	158.30	158.30

Table 7-5. Bands 3/4 Conducted 6dB Bandwidth Measurements MIMO

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 56 of 171

MIMO 6dB Bandwidth Measurements - Puncture

	Frequency [MHz]	Channel	802.11 MODE	Puncture Size [MHz]	Antenna-1 6dB Bandwidth [MHz]	Antenna-2 6dB Bandwidth [MHz]	Antenna-1 OBW [MHz]	Antenna-2 OBW [MHz]
Band 3	5775	155	be	20	58.94	58.92	58.54	58.57
Band 3/4	5855	171	be	20	59.00	58.97	58.51	58.39
	5815	163	be	20	138.80	138.40	137.52	137.35
	5815	163	be	40	118.20	117.70	117.22	117.15

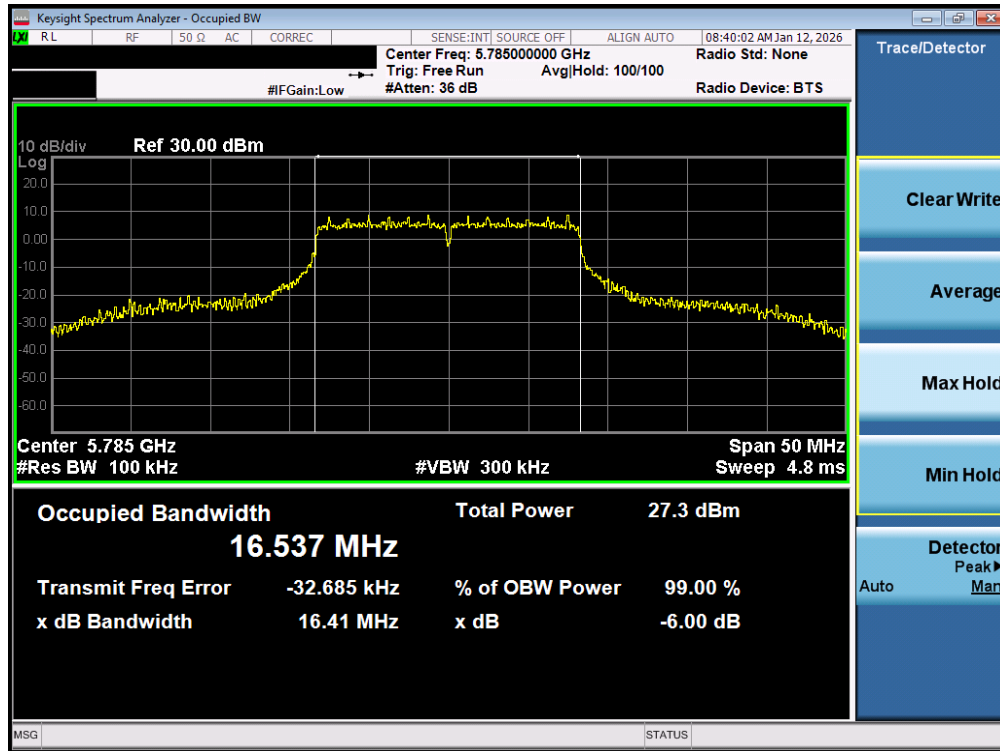
Table 7-6. Band 3/4 Conducted 6dB Bandwidth Measurements MIMO – Puncture

	Frequency [MHz]	Channel	802.11 MODE	Puncture Size [MHz]	Antenna-1 6dB Bandwidth [MHz]	Antenna-2 6dB Bandwidth [MHz]	Antenna-1 OBW [MHz]	Antenna-2 OBW [MHz]
Band 3	5775	155	be	20	77.50	79.15	78.97	79.23
Band 3/4	5855	171	be	20	78.41	79.24	79.04	79.36
	5815	163	be	20	158.20	159.40	158.82	158.99
	5815	163	be	40	118.20	117.30	121.92	118.71

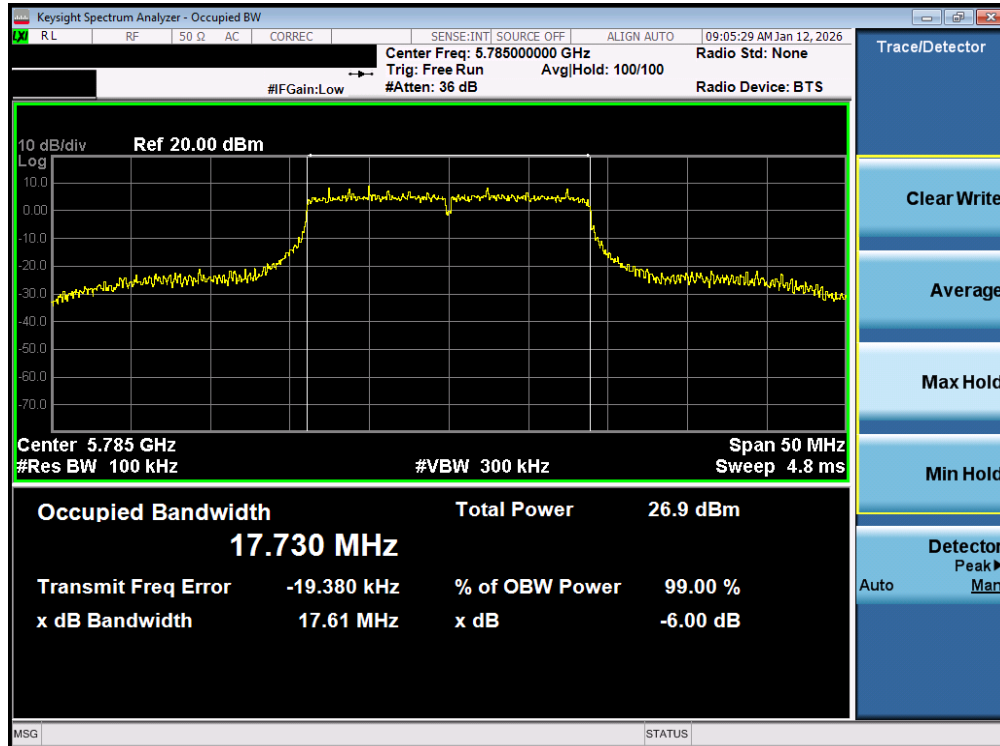
Table 7-7. Band 3/4 Conducted OBW Measurements MIMO - Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 57 of 171

7.3.1 MIMO Antenna-1 6dB Bandwidth Measurements

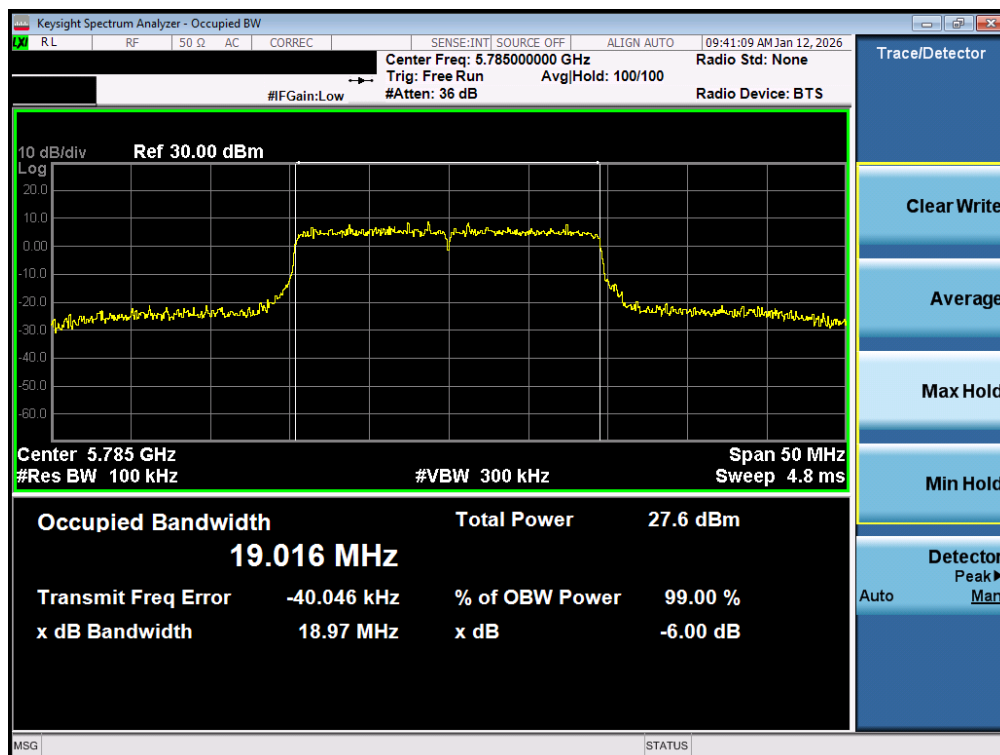


Plot 7-66. 6dB Bandwidth Plot MIMO ANT1 (802.11a (UNII Band 3) – Ch. 157)

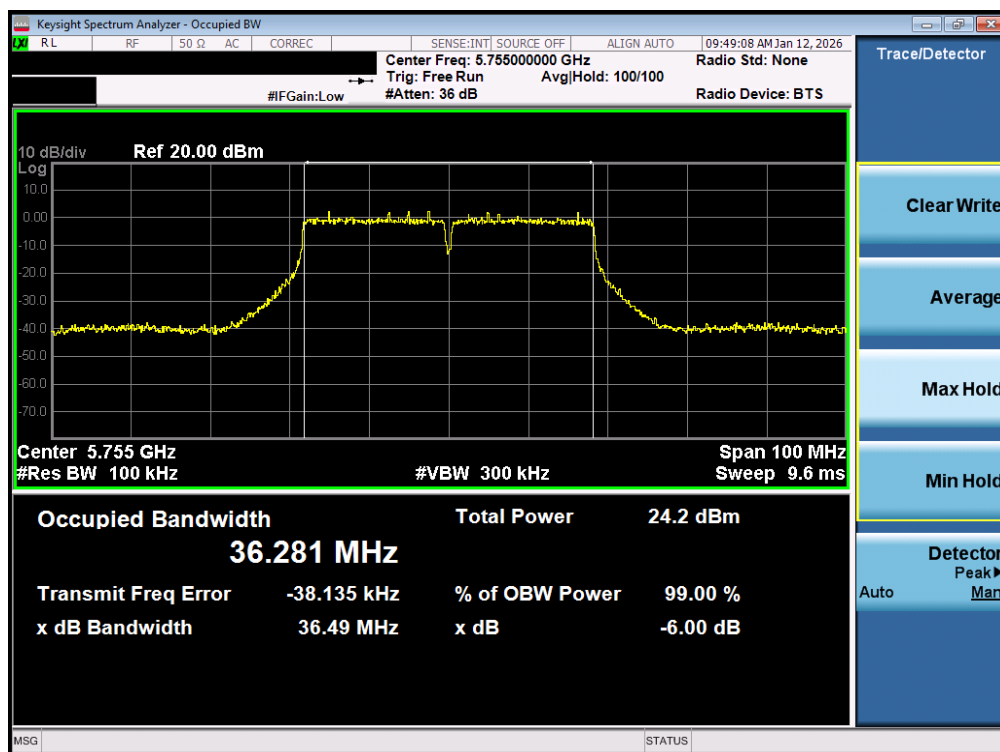


Plot 7-67. 6dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 58 of 171

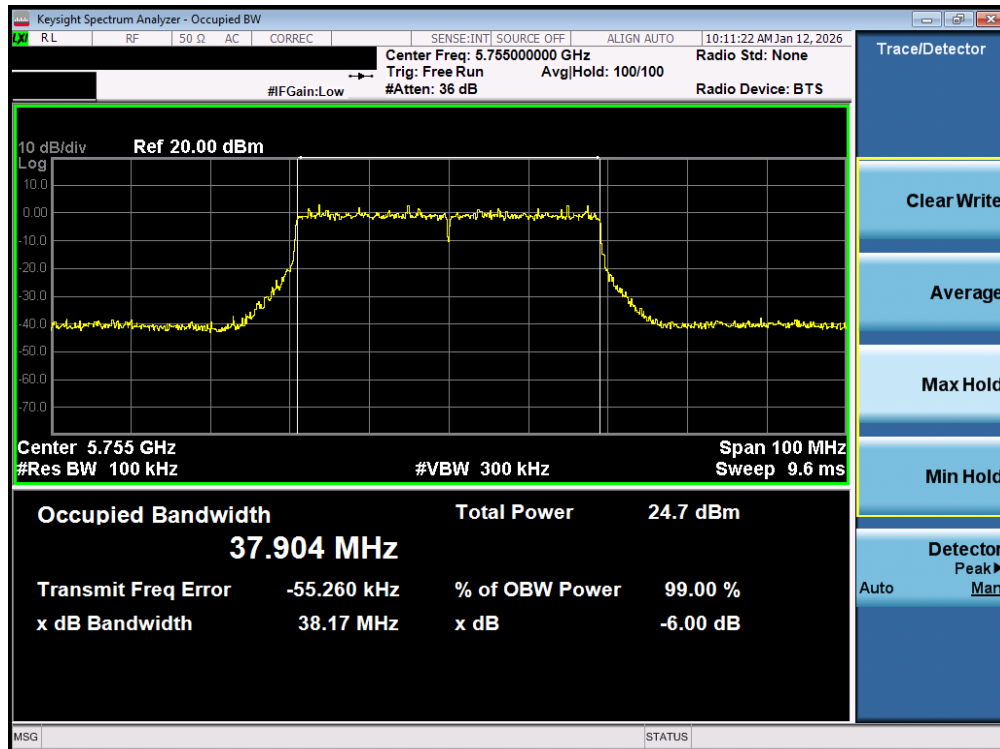


Plot 7-68. 6dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 3) – Ch. 157)

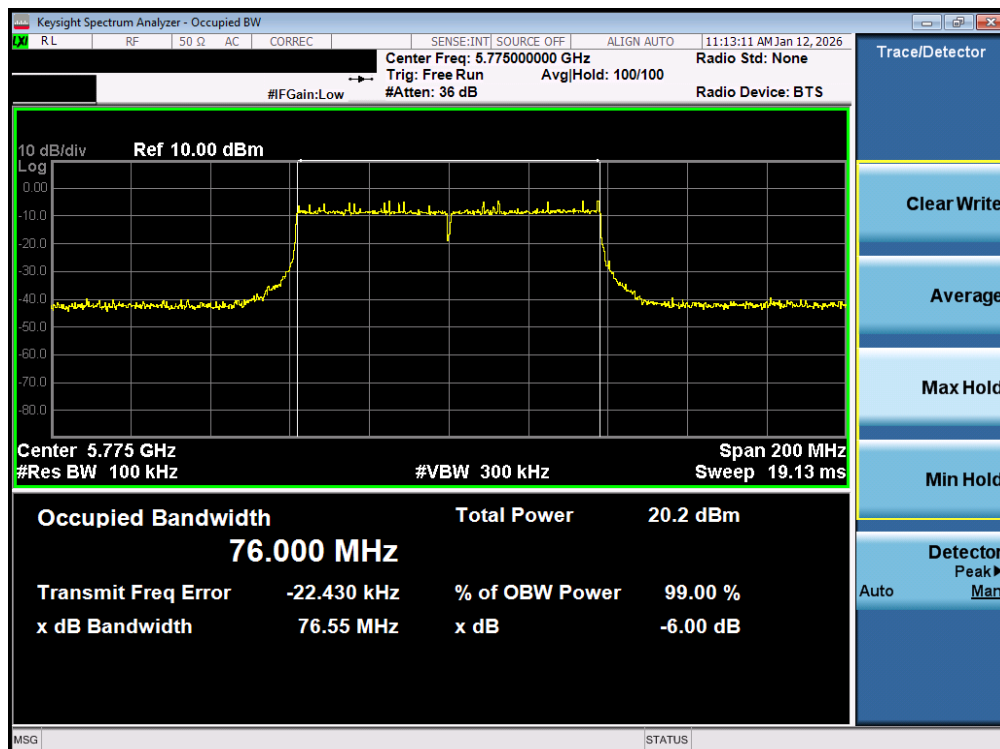


Plot 7-69. 6dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 59 of 171

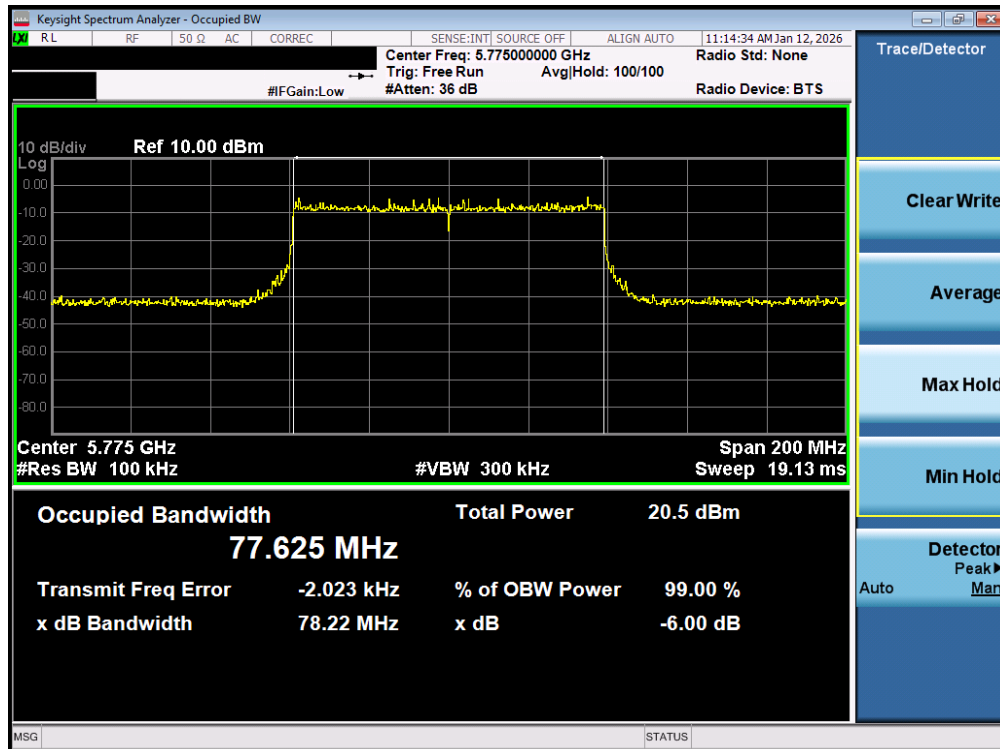


Plot 7-70. 6dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 3) – Ch. 151)

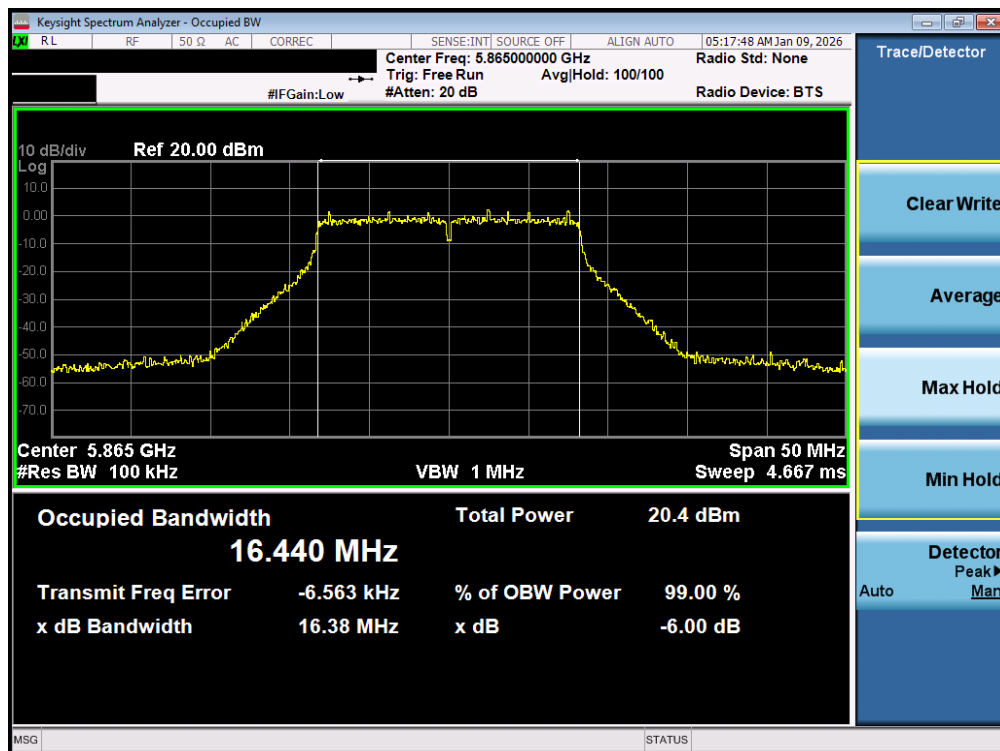


Plot 7-71. 6dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 60 of 171

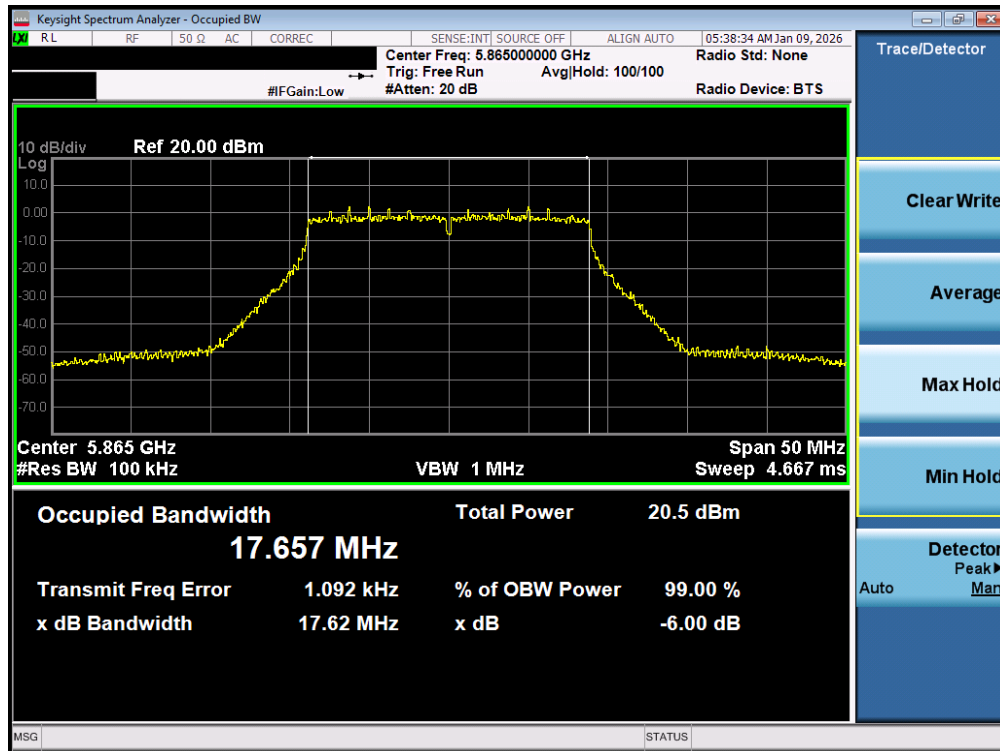


Plot 7-72. 6dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 3) – Ch. 155)

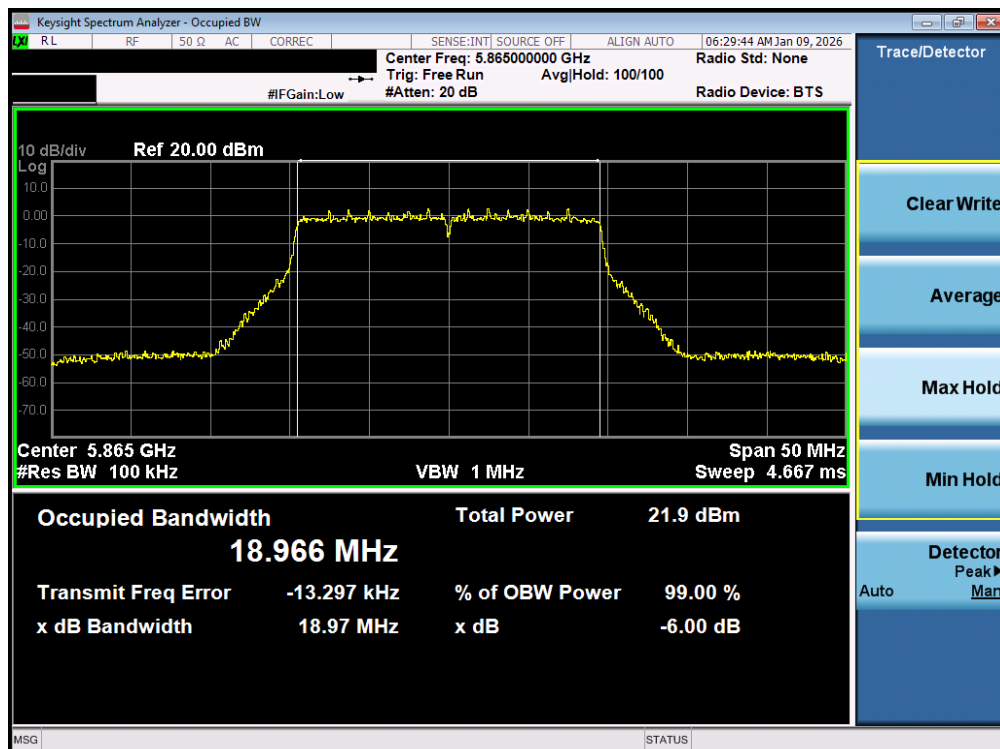


Plot 7-73. 6dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11a (UNII Band 4) – Ch. 173)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 61 of 171

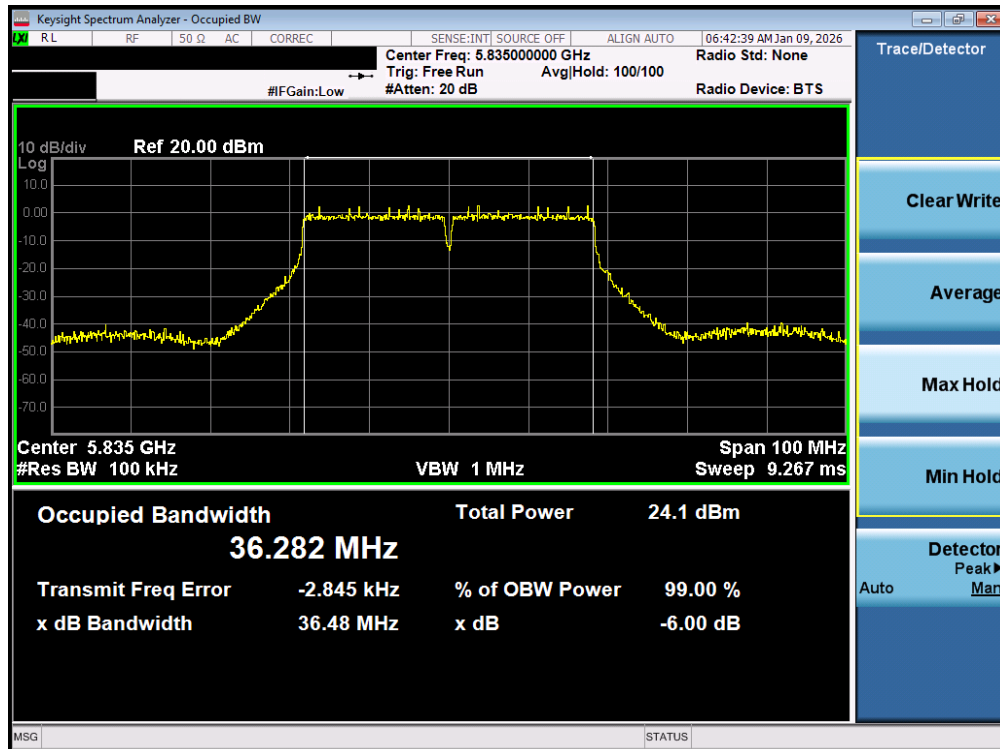


Plot 7-74. 6dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 4) – Ch. 173)

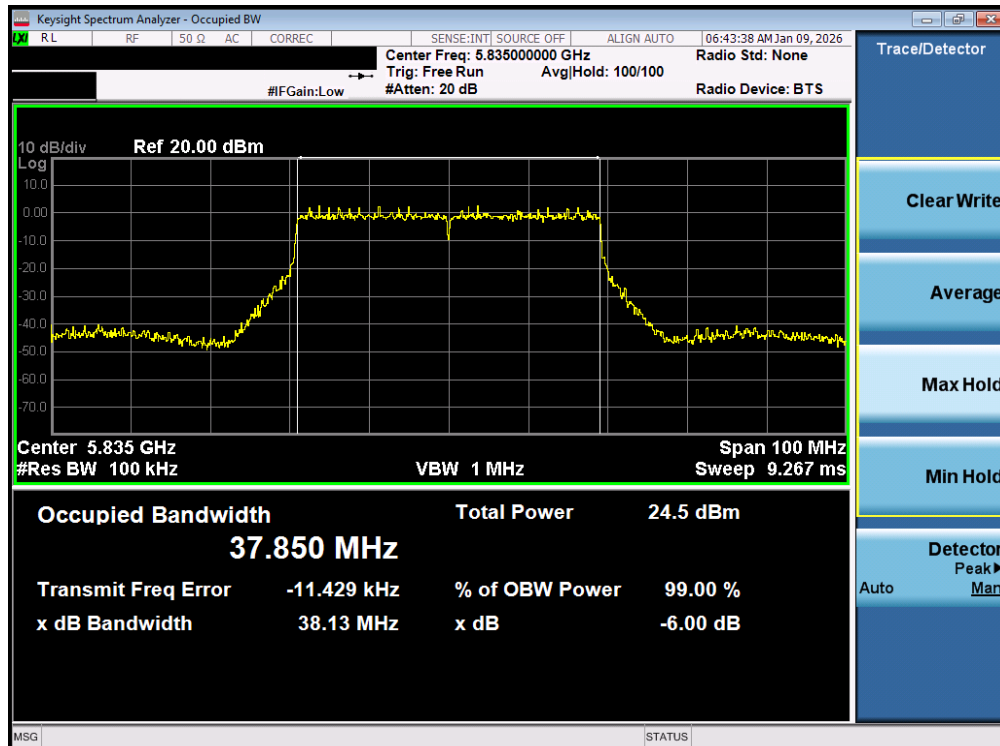


Plot 7-75. 6dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 4) – Ch. 173)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 62 of 171

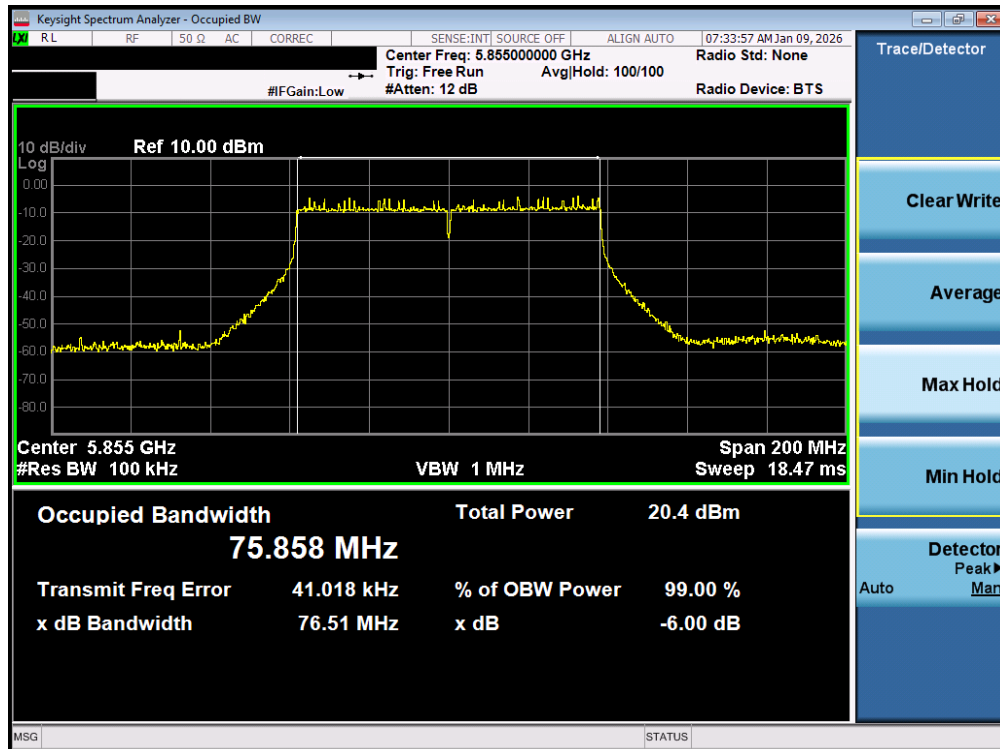


Plot 7-76. 6dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3/4) – Ch. 167)

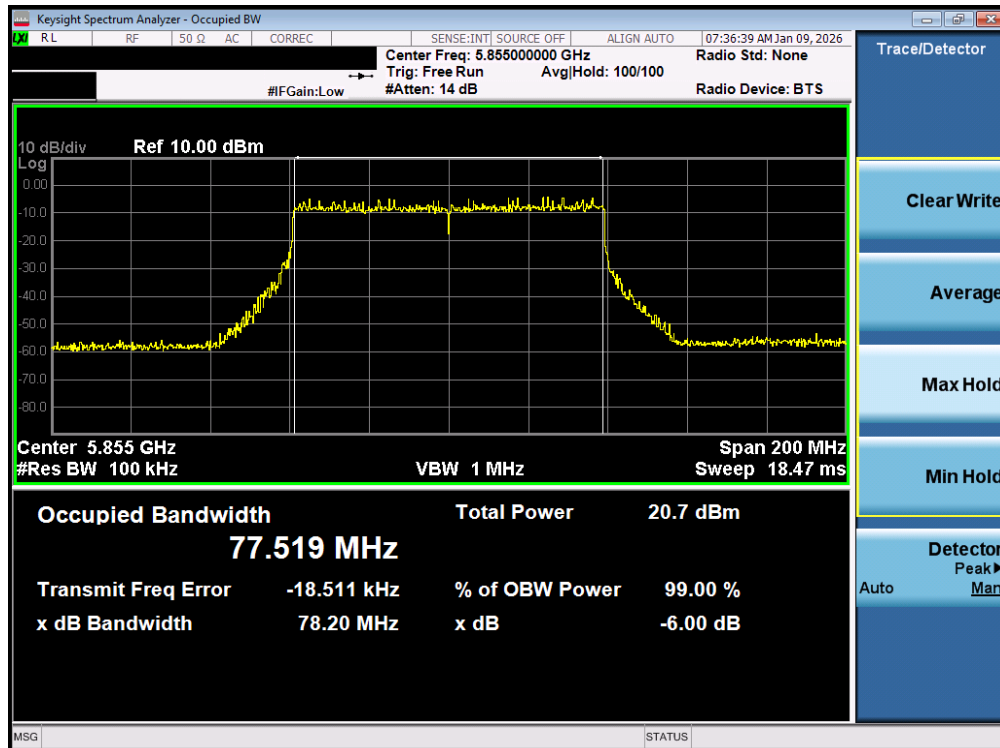


Plot 7-77. 6dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 167)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 63 of 171

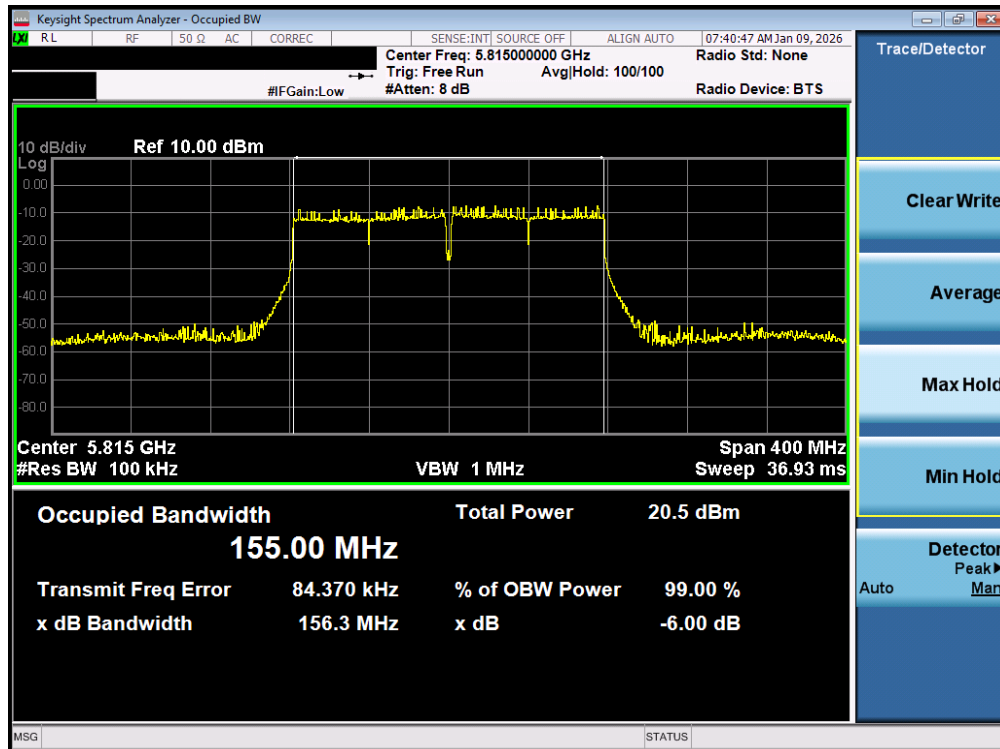


Plot 7-78. 6dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3/4) – Ch. 171)

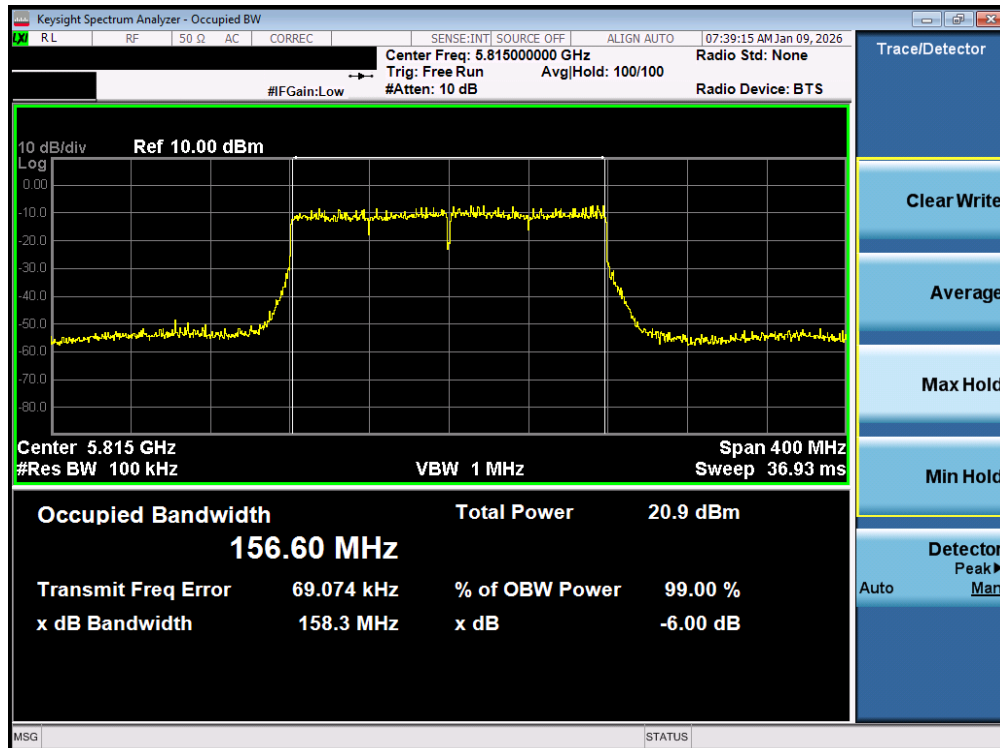


Plot 7-79. 6dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 171)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 64 of 171

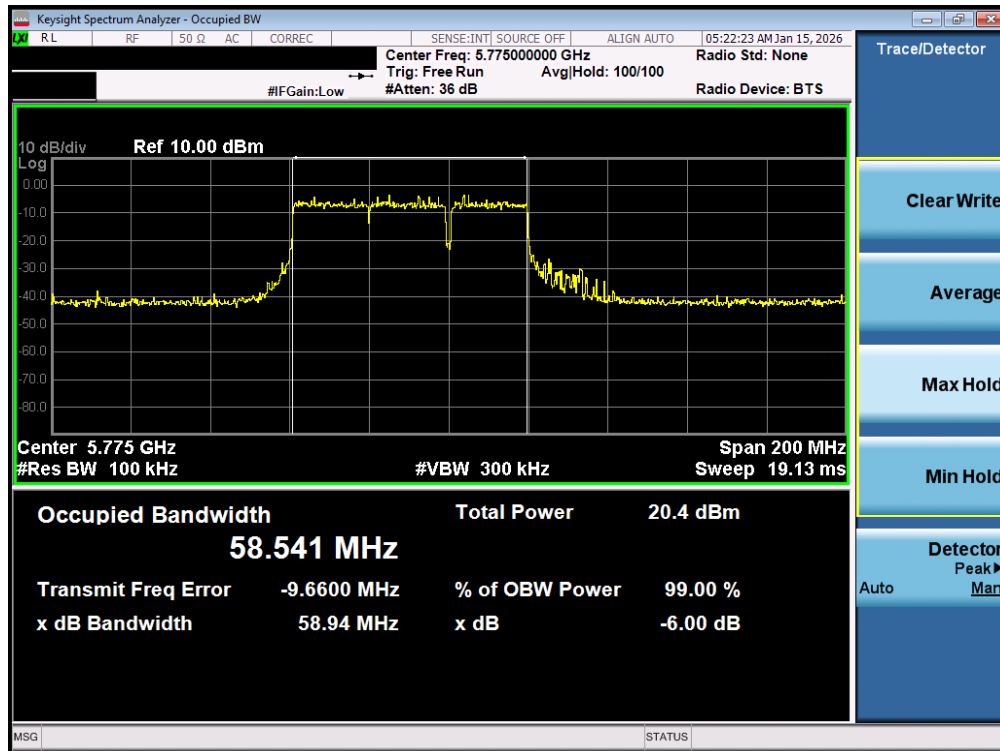


Plot 7-80. 6dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 3/4) – Ch. 163)

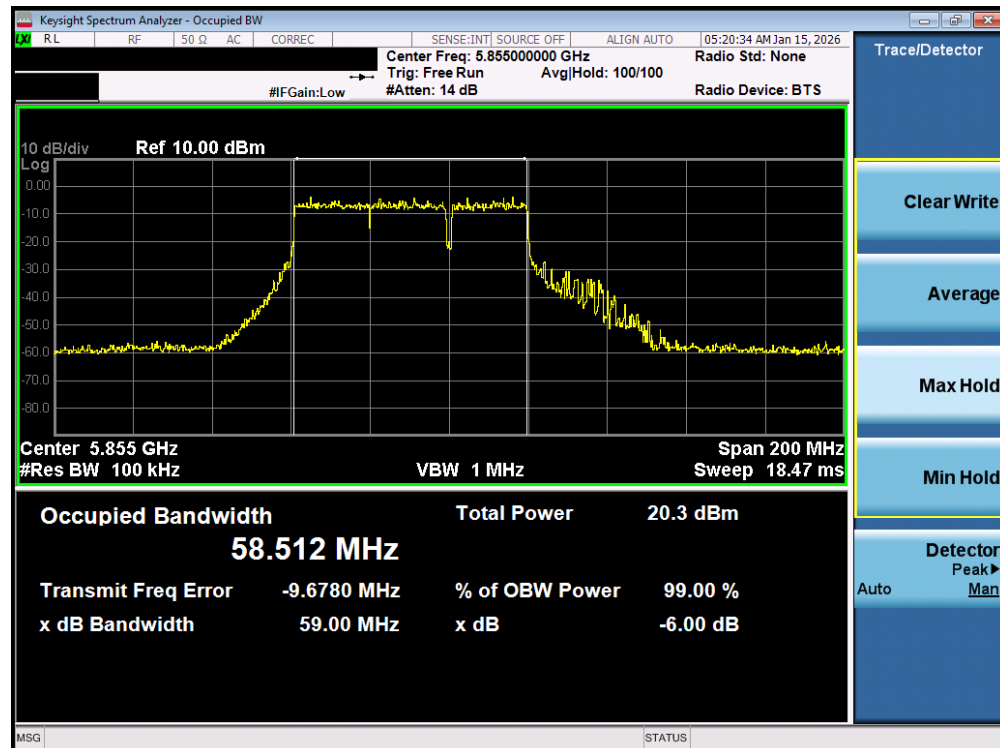


Plot 7-81. 6dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 163)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 65 of 171

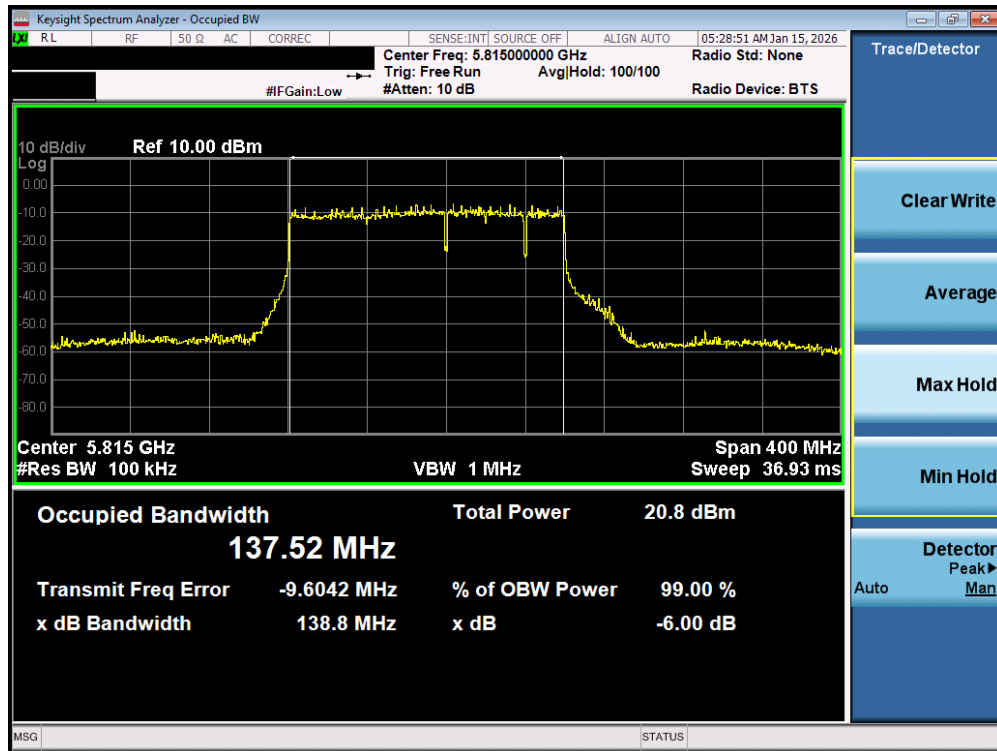


Plot 7-82. 6dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 3) – Ch. 155) – Puncture

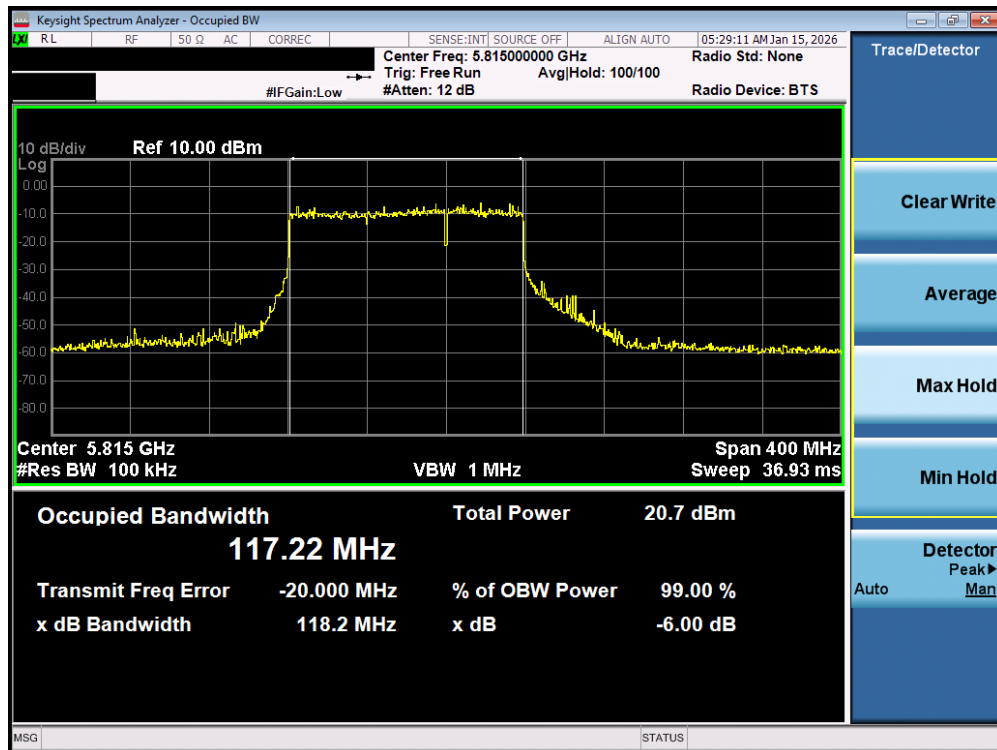


Plot 7-83. 6dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 4) – Ch. 171) – Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 66 of 171

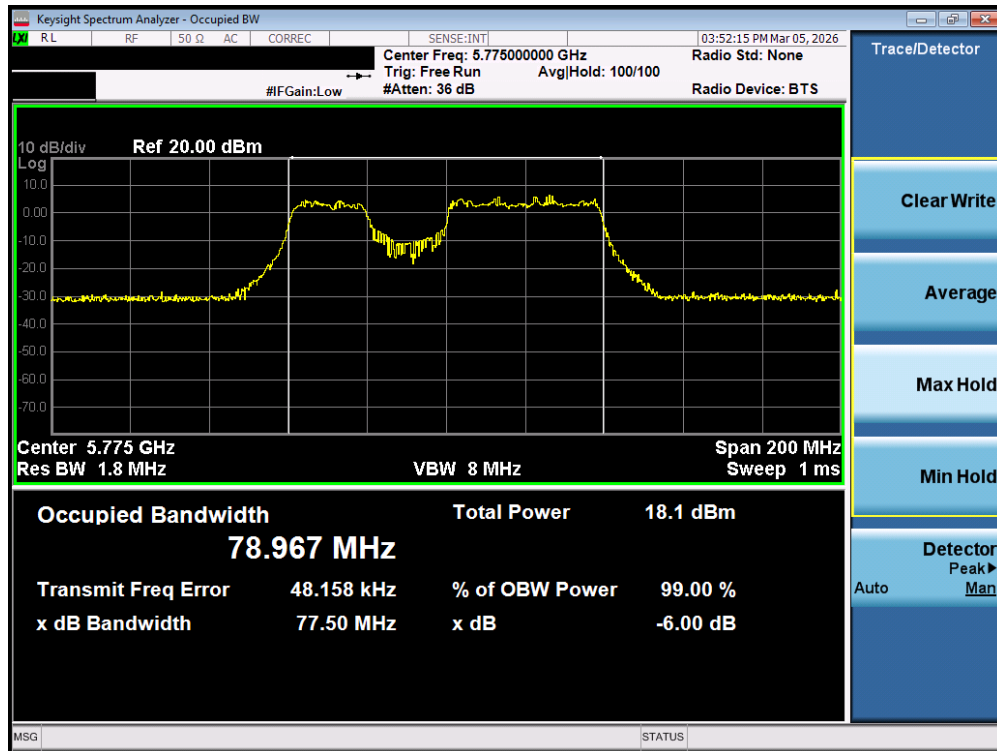


Plot 7-84. 6dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ax/be (UNII Band 4) – Ch. 163) – Puncture

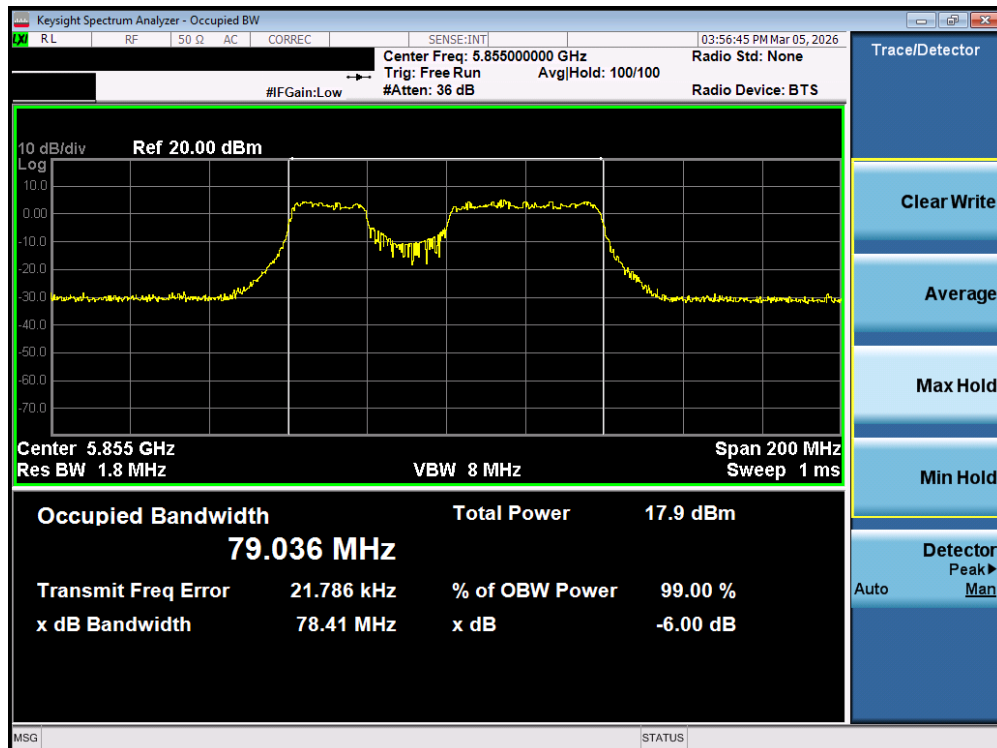


Plot 7-85. 6dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ax/be (UNII Band 4) – Ch. 163) – Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 67 of 171

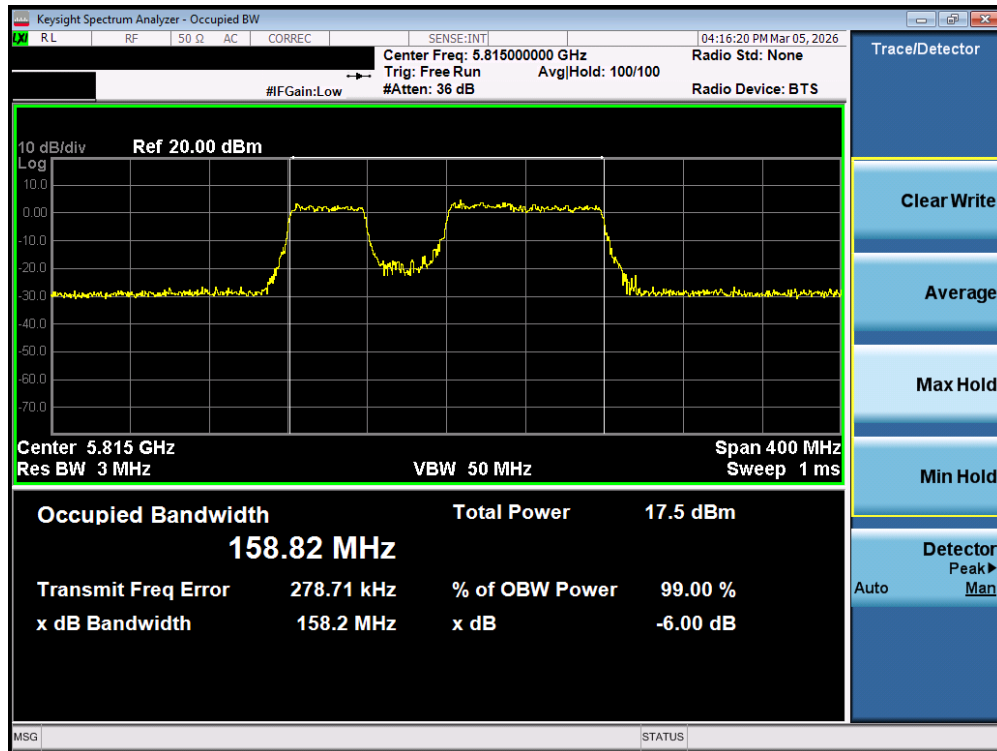


Plot 7-86. OBW Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 3) – Ch. 155) – Puncture

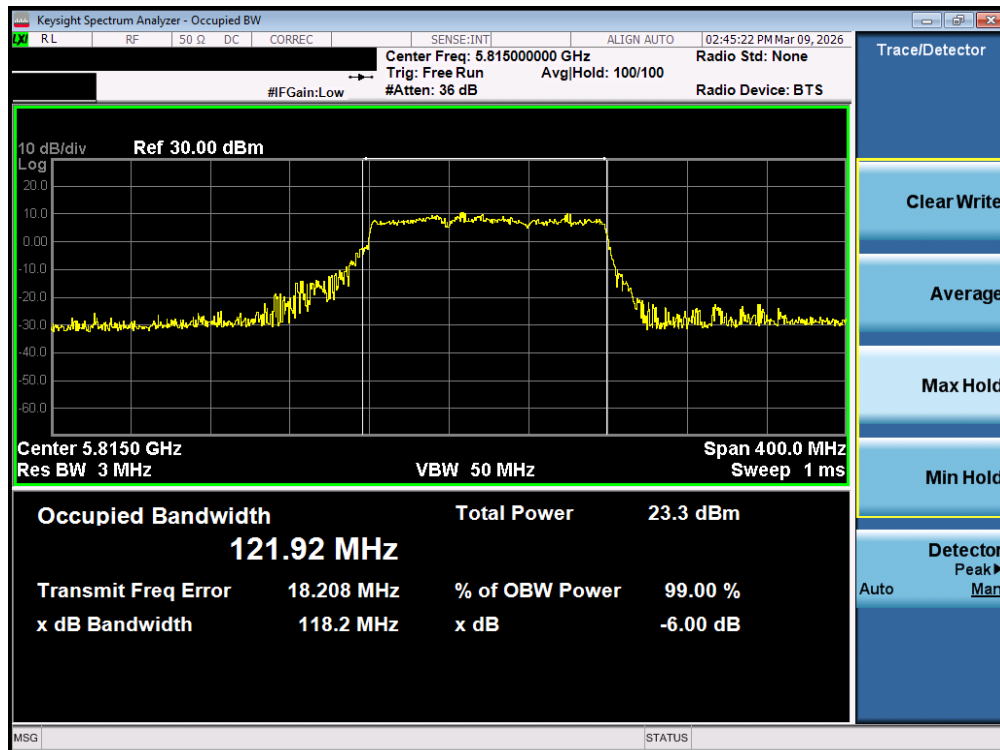


Plot 7-87. OBW Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 4) – Ch. 171) – Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 68 of 171



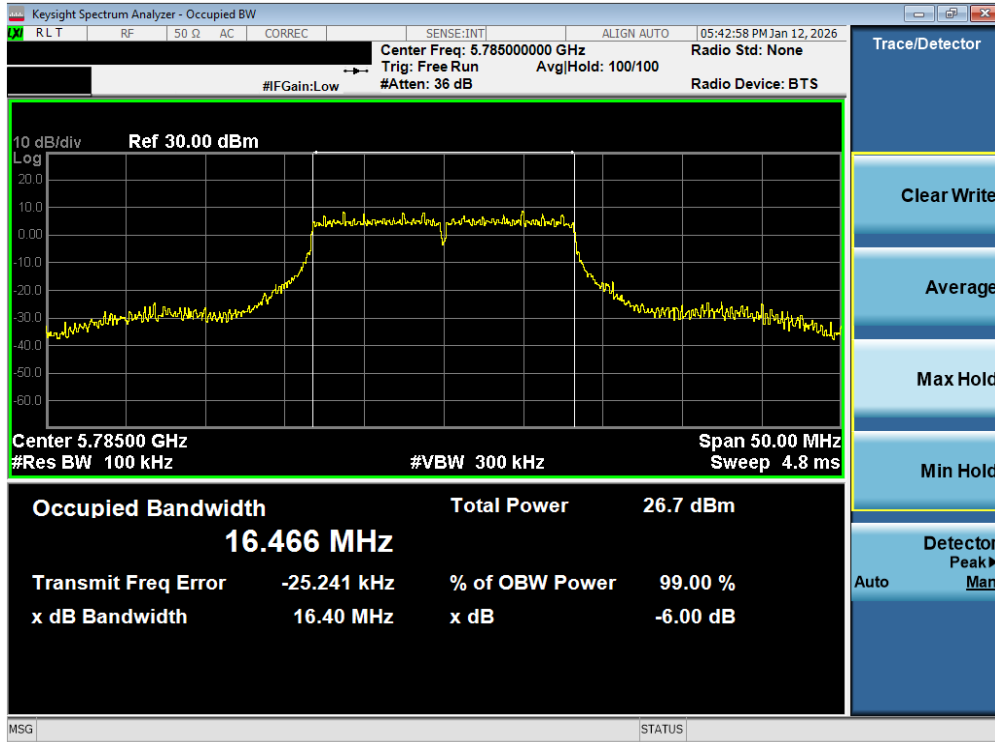
Plot 7-88. OBW Plot MIMO ANT1 (160MHz BW 802.11ax/be (UNII Band 4) – Ch. 171) – Puncture



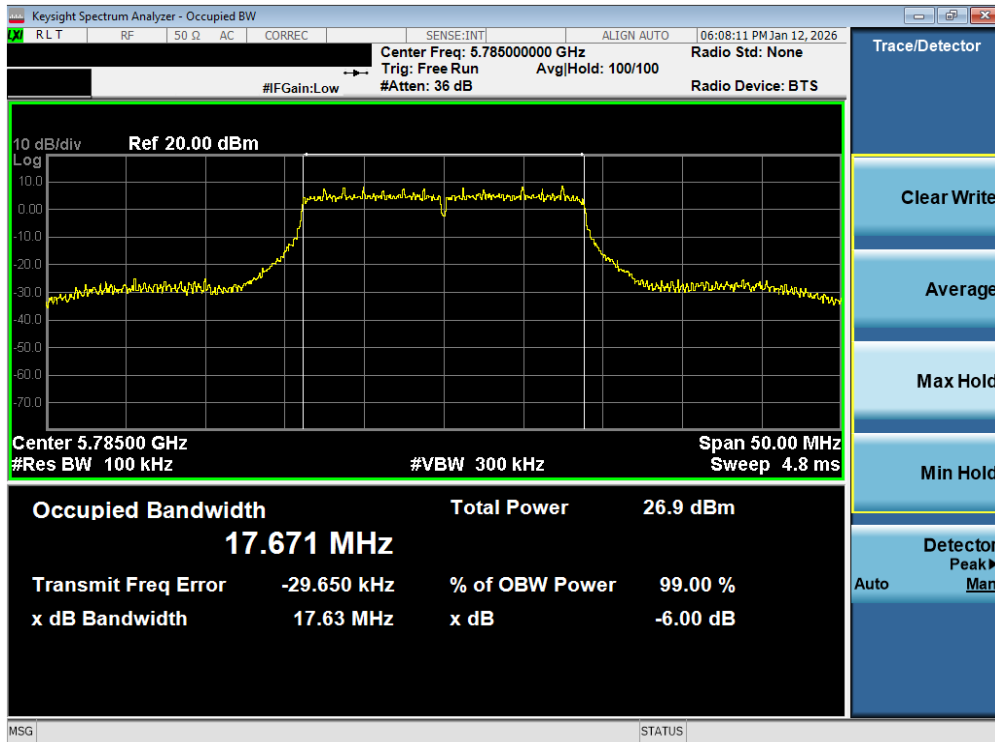
Plot 7-89. OBW Plot MIMO ANT1 (160MHz BW 802.11ax/be (UNII Band 4) – Ch. 171) - Puncture

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 69 of 171

7.3.2 MIMO Antenna-2 6dB Bandwidth Measurements

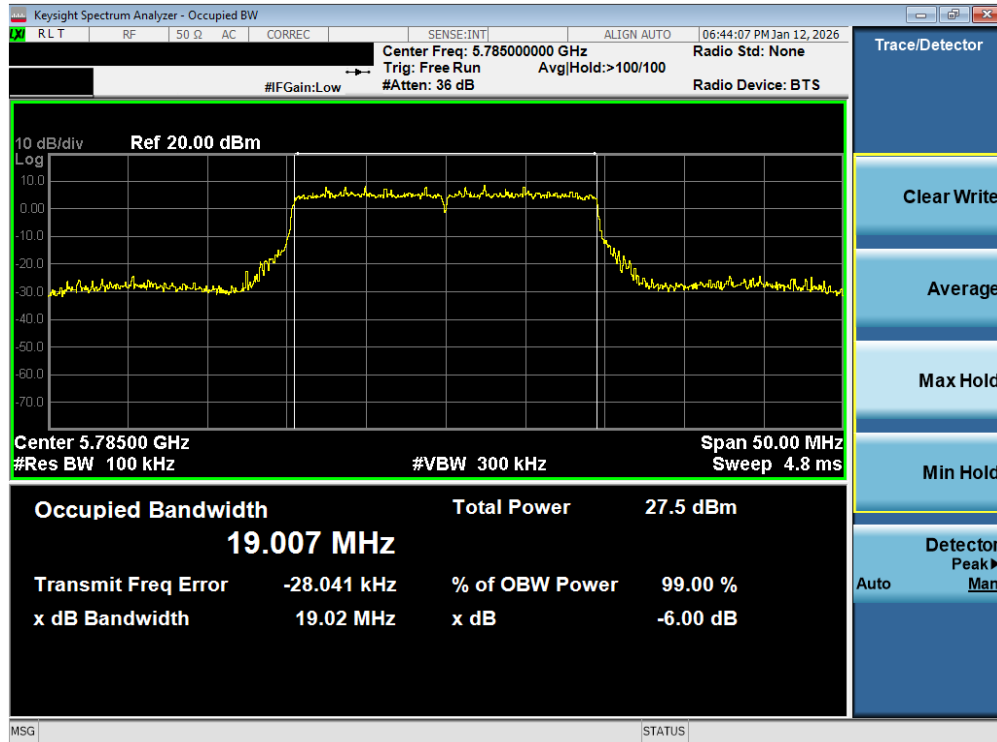


Plot 7-90. 6dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 3) – Ch. 157)

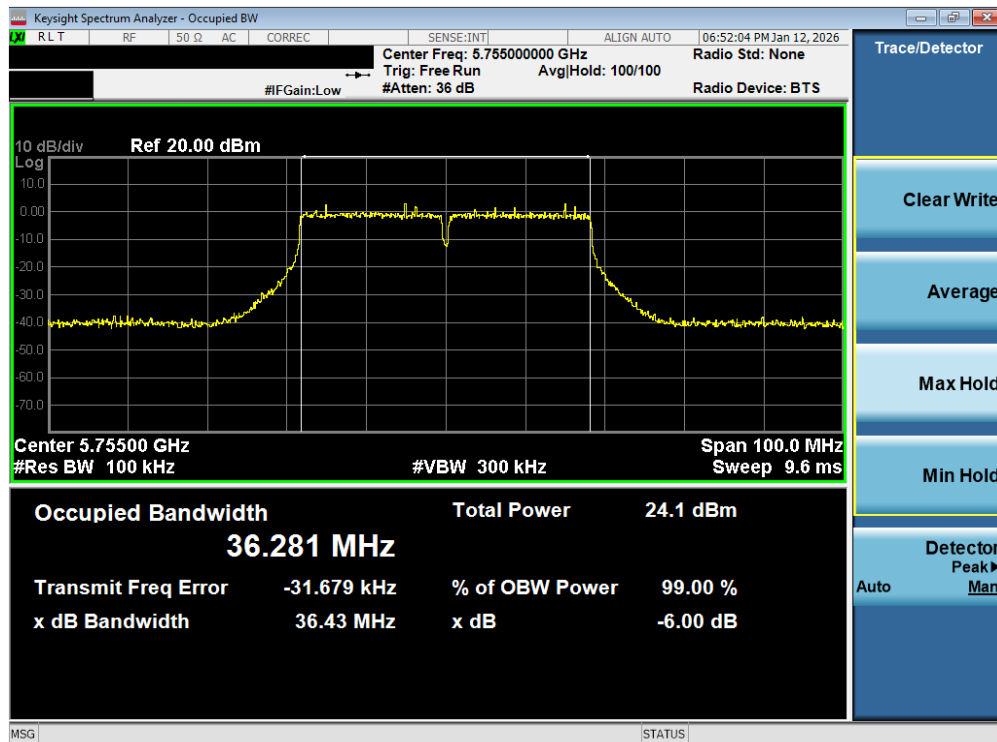


Plot 7-91. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 70 of 171

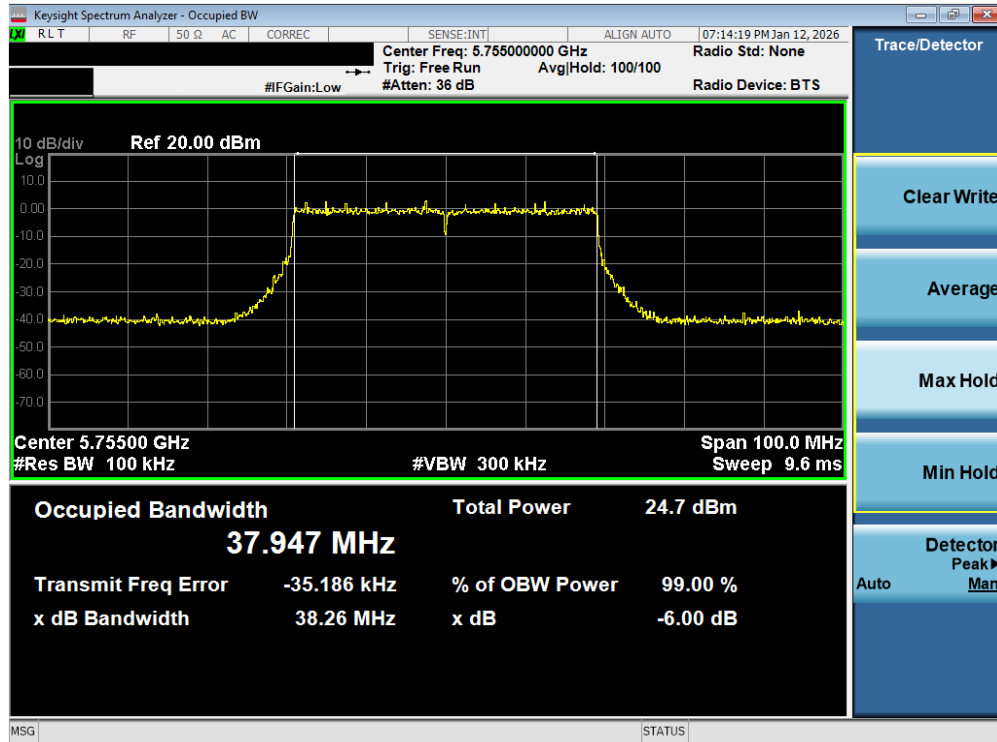


Plot 7-92. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 3) – Ch. 157)

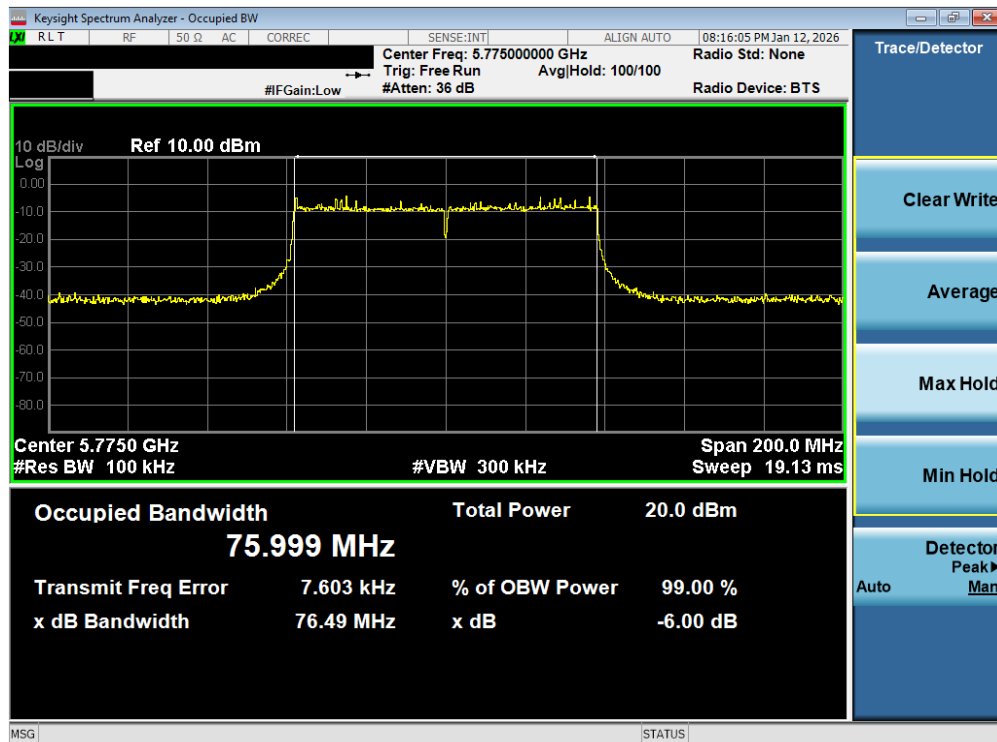


Plot 7-93. 6dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 71 of 171

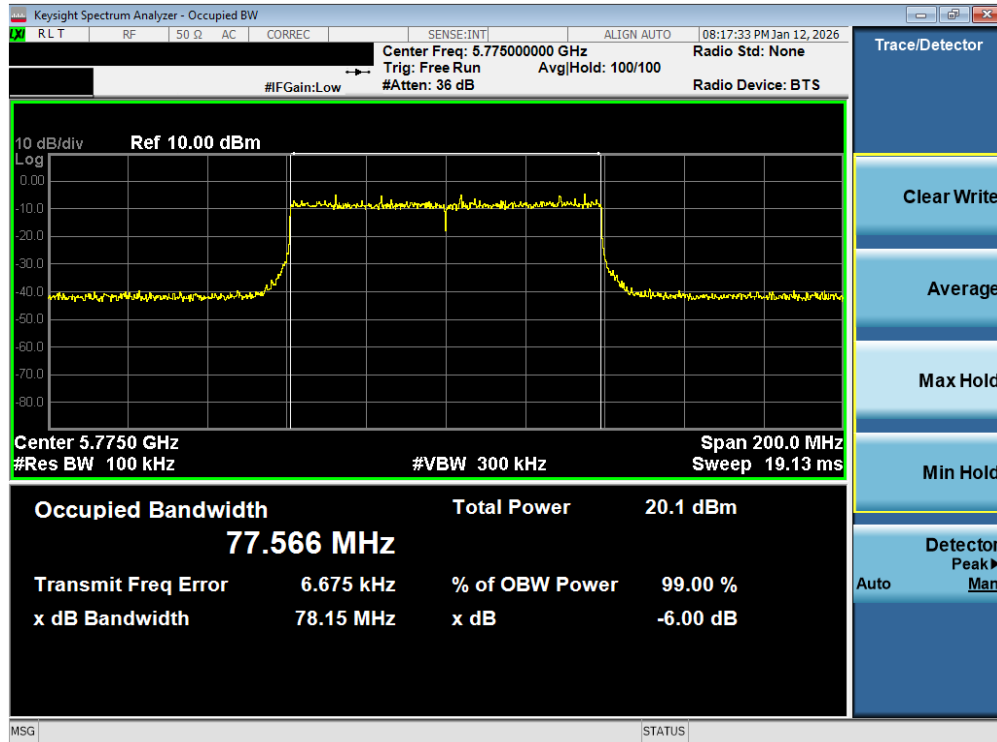


Plot 7-94. 6dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 3) – Ch. 151)

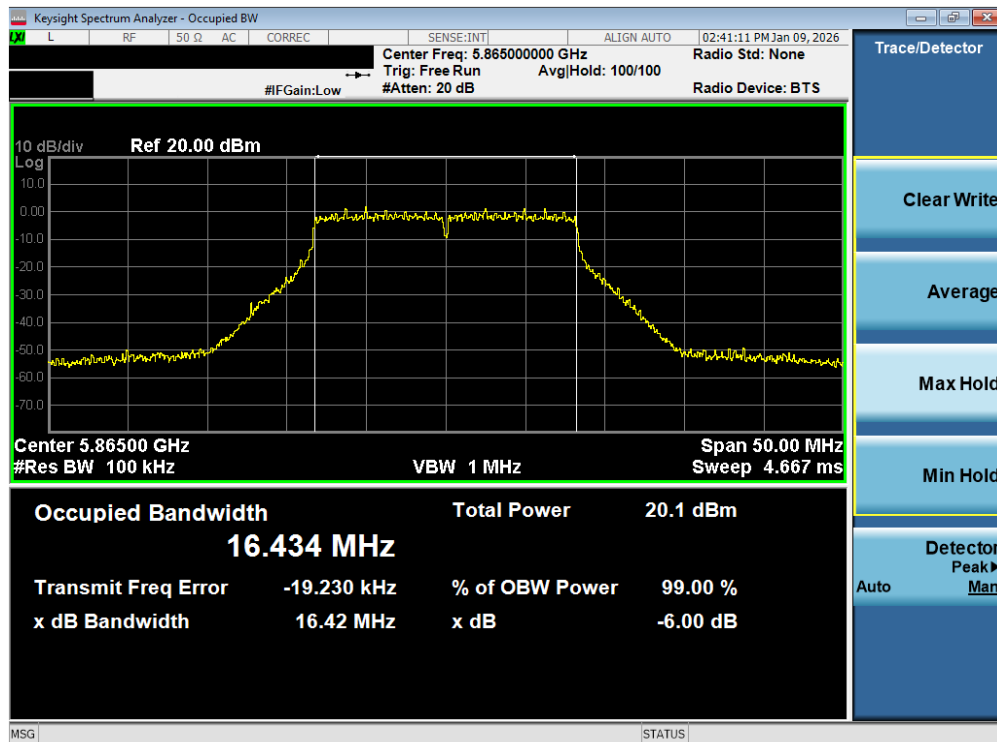


Plot 7-95. 6dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 72 of 171

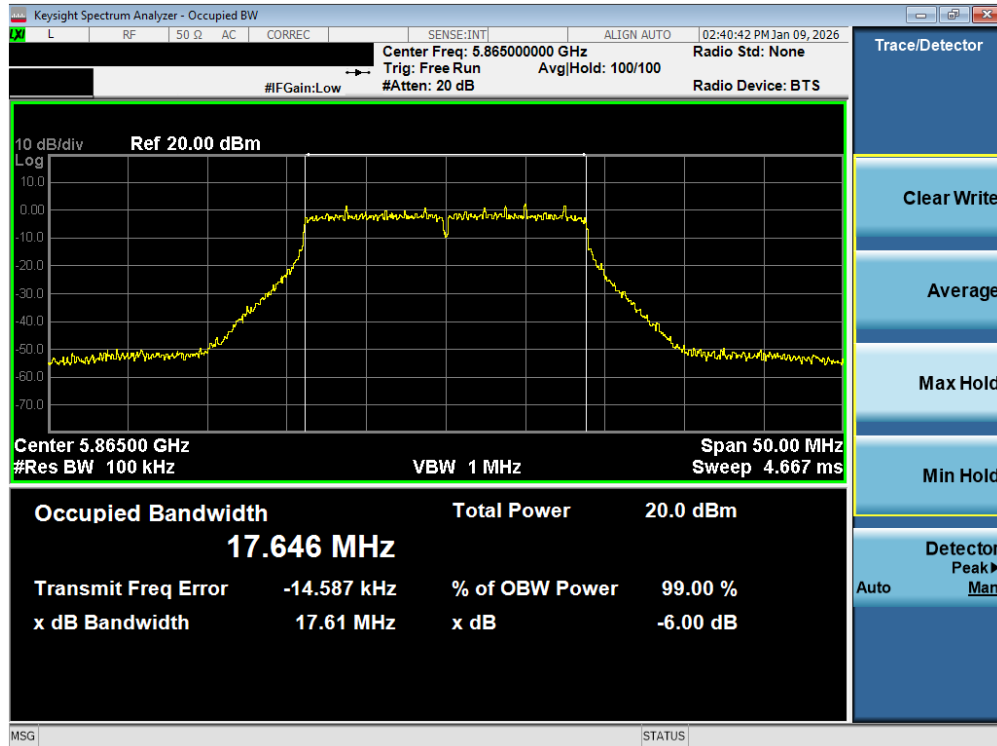


Plot 7-96. 6dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 3) – Ch. 155)

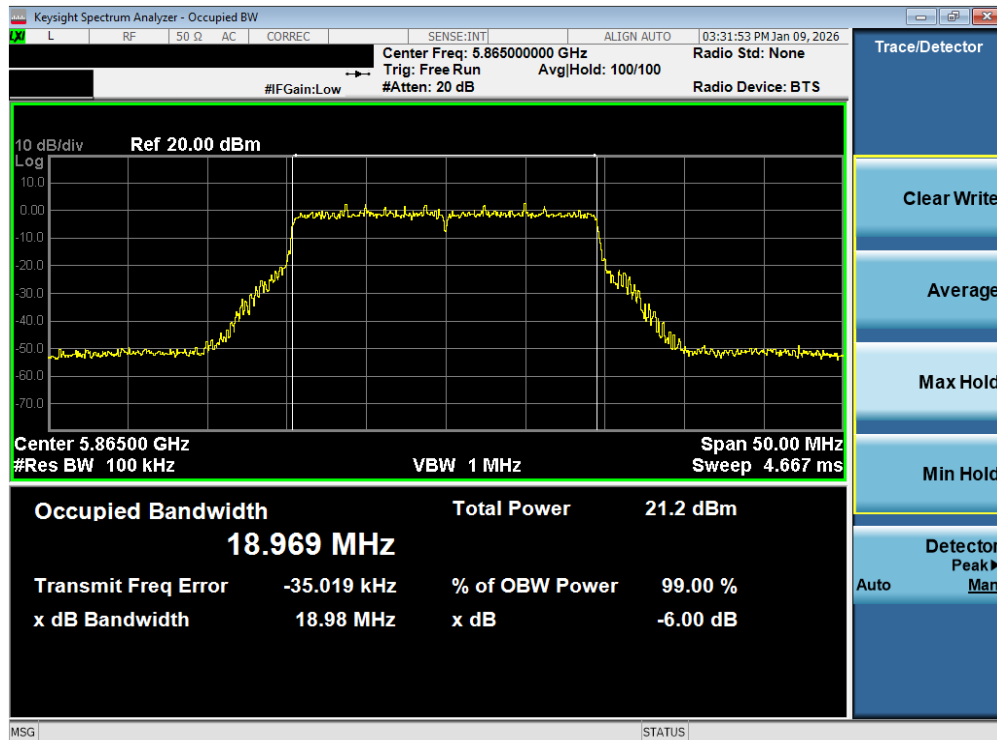


Plot 7-97. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11a (UNII Band 4) – Ch. 173)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 73 of 171



Plot 7-98. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 4) – Ch. 173)



Plot 7-99. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 4) – Ch. 173)

FCC ID: C3K2085	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511200095-06-R3.C3K	Test Dates: 12/16/2025 - 02/05/2026	EUT Type: Portable Computing Device	Page 74 of 171