

TEST REPORT



Dt&C Co., Ltd.

42, Yurim-ro, 154Beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 17042
Tel : 031-321-2664, Fax : 031-321-1664

1. Report No : DRTFCC2507-0038(1)

2. Customer

- Name (FCC) : LG Electronics Inc. / Name (ISED): LG ELECTRONICS INC.
- Address (FCC) : 222 LG-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, South Korea, 17709
Address (ISED) : 222, LG-ro, Jinwi-myeon Pyeongtaek-si, Gyeonggi-do 451-713 Korea (Republic Of)

3. Use of Report : FCC & ISED Original Certification

4. Product Name / Model Name : RF Module / WC1NH25

FCC ID : 2B03L-WC1NH25

IC : 2703H-WC1NH25

5. FCC Regulation(s): Part 15.407

ISED Standard(s): RSS-248 Issue 3, RSS-Gen Issue 5

Test Method used: See appended test report.

6. Date of Test : 2025.06.16 ~ 2025.07.22

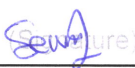
7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

8. Testing Environment : See appended test report.

9. Test Result : Refer to the attached test result.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

This test report is not related to KOLAS accreditation.

Affirmation	Tested by	Technical Manager
	Name : SeungMin Gil 	Name : JaeJin Lee 

2025 . 07 . 29 .

Dt&C Co., Ltd.

If this report is required to confirmation of authenticity, please contact to report@dtnc.net

Test Report Version

Test Report No.	Date	Description	Revised by	Reviewed by
DRTFCC2507-0038	Jul. 22, 2025	Initial issue	SeungMin Gil	JaeJin Lee
DRTFCC2507-0038(1)	Jul. 29, 2025	Update standard	SeungMin Gil	JaeJin Lee

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1. General Information

1.1. Description of EUT

Equipment Class	15E 6 GHz Low Power Indoor Access Point (6ID), 15E 6 GHz Low Power Indoor Client (6XD)
Product Name	RF Module
Model Name	WC1NH25
Add Model Name	NA
Firmware Version Identification Number	V1.0
EUT Serial Number	Conducted: 2504020190000(MAC: 287B11F3990C) Radiated: 2504020190000(MAC: 287B11F38D36)
Power Supply	DC 3.3 V
Modulation Technique	OFDM, OFDMA
Antenna type	Antenna Type: FPC Antenna Antenna Gain: Refer to the clause 3 in test report

Max Output power

6ID(Low-Power indoor access point)

Band	Mode	Tx. frequency(MHz)	e.i.r.p (dBm)	e.i.r.p (W)
U-NII-5	802.11ax(HE20)	5955 ~ 6415	13.06	0.020
	802.11ax(HE40)	5965 ~ 6405	16.67	0.046
	802.11ax(HE80)	5985 ~ 6385	18.64	0.073
U-NII-6	802.11ax(HE20)	6435 ~ 6515	12.68	0.019
	802.11ax(HE40)	6445 ~ 6525	15.73	0.037
	802.11ax(HE80)	6465	17.40	0.055
U-NII-7	802.11ax(HE20)	6535 ~ 6855	12.91	0.020
	802.11ax(HE40)	6565 ~ 6845	16.05	0.040
	802.11ax(HE80)	6545 ~ 6865	17.88	0.061
U-NII-8	802.11ax(HE20)	6875 ~ 7115	12.65	0.018
	802.11ax(HE40)	6885 ~ 7085	15.56	0.036
	802.11ax(HE80)	6945 ~ 7025	17.74	0.059

6XD(Low-power Indoor client)

Band	Mode	Tx. frequency(MHz)	e.i.r.p (dBm)	e.i.r.p (W)
U-NII-5	802.11ax(HE20)	5955 ~ 6415	7.50	0.006
	802.11ax(HE40)	5965 ~ 6405	11.06	0.013
	802.11ax(HE80)	5985 ~ 6385	12.73	0.019
U-NII-6	802.11ax(HE20)	6435 ~ 6515	7.12	0.005
	802.11ax(HE40)	6445 ~ 6525	10.11	0.010
	802.11ax(HE80)	6465	11.41	0.014
U-NII-7	802.11ax(HE20)	6535 ~ 6855	7.35	0.005
	802.11ax(HE40)	6565 ~ 6845	10.35	0.011
	802.11ax(HE80)	6545 ~ 6865	11.96	0.016
U-NII-8	802.11ax(HE20)	6875 ~ 7115	7.06	0.005
	802.11ax(HE40)	6885 ~ 7085	9.81	0.010
	802.11ax(HE80)	6945 ~ 7025	11.83	0.015

1.2. Support Equipment

N/A

1.3. Testing Laboratory

Dt&C Co., Ltd.		
The 3 m test site and conducted measurement facility used to collect the radiated data are located at the 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 17042.		
The test site complies with the requirements of Part 2.948.		
- FCC & ISED MRA Designation No. : KR0034		
- ISED#: 5740A		
www.dtnet.net		
Telephone	:	+ 82-31-321-2664
FAX	:	+ 82-31-321-1664

1.4. Testing Environment

Ambient Condition	
▪ Temperature	+23 °C ~ +25 °C
▪ Relative Humidity	+40 % ~ +45 %

1.5. Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with 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.

Parameter	Measurement uncertainty
Antenna-port conducted emission	1.0 dB (The confidence level is about 95 %, $k = 2$)
AC power-line conducted emission	3.4 dB (The confidence level is about 95 %, $k = 2$)
Radiated emission (1 GHz Below)	5.0 dB (The confidence level is about 95 %, $k = 2$)
Radiated emission (1 GHz ~ 18 GHz)	4.8 dB (The confidence level is about 95 %, $k = 2$)
Radiated emission (18 GHz Above)	5.8 dB (The confidence level is about 95 %, $k = 2$)

1.6. Test Equipment List

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal.Date (yy/mm/dd)	S/N
Spectrum Analyzer	KEYSIGHT	N9020A	24/11/27	25/11/27	MY50410272
Spectrum Analyzer	KEYSIGHT	N9020A	24/11/28	25/11/28	MY53309959
Spectrum Analyzer	Agilent Technologies	N9020A	25/05/26	26/05/26	US47360812
Spectrum Analyzer	Agilent Technologies	N9020A	24/11/26	25/11/26	MY50410399
Spectrum Analyzer	KEYSIGHT	N9030B	24/11/25	25/11/25	MY55480168
Multimeter	FLUKE	17B	24/11/27	25/11/27	26030065WS
Signal Generator	Rohde Schwarz	SMBV100A	24/12/10	25/12/10	255571
Signal Generator	KEYSIGHT	M9383A	24/12/10	25/12/10	E76F804A28
Thermohygrometer	BODYCOM	BJ5478	24/12/17	25/12/17	090205-4
Thermohygrometer	BODYCOM	BJ5478	24/12/05	25/12/05	120612-2
Thermohygrometer	BODYCOM	BJ5478	25/05/29	26/05/29	N/A
Loop Antenna	ETS-Lindgren	6502	24/11/08	26/11/08	00060496
Hybrid Antenna	Schwarzbeck	VULB 9160	24/12/13	25/12/13	3362
Horn Antenna	ETS-Lindgren	3117	25/05/27	26/05/27	00143278
Horn Antenna	A.H.Systems Inc.	SAS-574	25/06/12	26/06/12	155
PreAmplifier	tsj	MLA-0118-B01-40	24/11/26	25/11/26	1852267
PreAmplifier	tsj	MLA-1840-J02-45	25/05/29	26/05/29	16966-10728
PreAmplifier	H.P	8447D	24/12/11	25/12/11	2944A07774
High Pass Filter	Wainwright Instruments	WHKX12-935-1000-15000-40SS	25/05/26	26/05/26	8
High Pass Filter	Wainwright Instruments	WHKX10-2838-3300-18000-60SS	25/05/26	26/05/26	1
High Pass Filter	Wainwright Instruments	WHNX8.0/26.5-6SS	25/05/26	26/05/26	3
Resistive Divider	Clear Microwave	D240	25/05/26	26/05/26	2
Power Splitter	Anritsu	K241B	24/11/26	25/11/26	
Attenuator	Hefei Shunze	SS5T2.92-10-40	25/05/26	26/05/26	16012202
Attenuator	Aeroflex/Weinschel	56-3	25/05/26	26/05/26	Y2370
Attenuator	SMAJK	SMAJK-2-3	25/05/26	26/05/26	3
Attenuator	SMAJK	SMAJK-2-3	25/05/26	26/05/26	2
Attenuator	SMAJK	SMAJK-50-10	25/05/26	26/05/26	3-50-10
Attenuator	Aeroflex/Weinschel	23-10-34	25/05/27	26/05/27	BP4386
Attenuator	Saluki	2.92TS50-30dB-40G	25/05/29	26/05/29	21090701
Attenuator	Saluki	2.92TS50-30dB-40G	25/05/29	26/05/29	21090702
Power Meter & Wide Bandwidth Sensor	Anritsu	ML2496A	24/12/12	25/12/12	1338004
		MA2490A	24/12/11	25/12/11	1249303
		MA2411B	24/12/11	25/12/11	1911481
EMI Receiver	ROHDE&SCHWARZ	ESCi7	25/01/20	26/01/20	100910
PULSE LIMITER	Rohde Schwarz	ESH3-Z2	24/08/21	25/08/21	101333
LISN	SCHWARZBECK	NSLK 8128 RC	24/10/21	25/10/21	8128 RC-387
Digital Thermo Hygrometer	CAS	TE-303N	25/02/13	26/02/13	220502531
Cable	Dt&C	Cable	25/01/02	26/01/02	G-2
Cable	HUBER+SUHNER	SUCOFLEX 100	25/01/02	26/01/02	G-3
Cable	Dt&C	Cable	25/01/02	26/01/02	G-4
Cable	OMT	YSS21S	25/01/02	26/01/02	G-5
Cable	Junkosha	MWX241	25/01/02	26/01/02	mmW-1
Cable	Junkosha	MWX241	25/01/02	26/01/02	mmW-4
Cable	HUBER+SUHNER	SUCOFLEX100	25/01/02	26/01/02	M-01
Cable	HUBER+SUHNER	SUCOFLEX100	25/01/02	26/01/02	M-02
Cable	JUNKOSHA	MWX241/B	25/01/02	26/01/02	M-03
Cable	JUNKOSHA	J12J101757-00	25/01/02	26/01/02	M-07
Cable	HUBER+SUHNER	SUCOFLEX106	25/01/02	26/01/02	M-09
Cable	Dt&C	Cable	25/01/02	26/01/02	RFC-69
Cable	Radiall	TESTPRO3	25/01/02	26/01/02	RFC-70
Cable	Radiall	TESTPRO3	25/01/02	26/01/02	RFC-01
Cable	Radiall	TESTPRO3	25/01/02	26/01/02	RFC-44
Test Software (Radiated)	tsj	EMI Measurement	NA	NA	Version 2.00.0185
Test Software	tsj	Noise Terminal Measurement	NA	NA	Version 2.00.0190
3m Semi Anechoic Chamber	SYC	3m-SAC	25/06/13(NSA) 25/06/19(VSWR)	26/06/13(NSA) 26/06/19(VSWR)	3m-SAC-1
3m Semi Anechoic Chamber	SYC	3m-SAC	25/01/14(NSA) 25/01/17(VSWR)	26/01/14(NSA) 26/01/17(VSWR)	3m-SAC-2

Note1: The measurement antennas were calibrated in accordance to the requirements of ANSI C63.5-2017.

Note2: The cable is not a regular calibration item, so it has been calibrated by Dt&C itself.

2. Test Methodology

The EUT was tested using the following test method.

- 1) ANSI C63.10-2020
- 2) KDB 987594 D02v03
- 3) KDB 789033 D02v02r01
- 4) KDB 662911 D01v02r01

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the test mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

2.3. General Test Procedures

Conducted Emissions

According to the requirements in Section 6.2 of ANSI C63.10-2020, the EUT is placed on the table, which is 0.8 m above ground plane and the conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and Average detector.

Radiated Emissions

The EUT is placed on a non-conductive table, which is 0.8 m above ground plane. For emission measurements above 1 GHz, the table height is 1.5 m. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the highest emission, the relative positions of the EUT were rotated through three orthogonal axis. EUT setup and maximizing procedure were fulfilled with the requirements in Section 5 and 6 of the ANSI C63.10-2020.

2.4. Instrument Calibration

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

2.5. Description of Test Modes

The EUT has been tested with the operating condition for maximizing the emission characteristics. A test program is used to control the EUT for staying in continuous transmitting.

- The EUT does not support channel puncturing and bandwidth reduction mechanisms.
- The EUT supports partial tones RU.

Transmitting Configuration of EUT

Mode	SISO		MIMO (CDD)	MIMO (SDM)
	Ant 1	Ant 2	Ant 1 & 2	Ant 1 & 2
	Data rate			
802.11ax(HE20)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(2SS)
802.11ax(HE40)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(2SS)
802.11ax(HE80)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(1SS)	MCS 0 ~ 11(2SS)

Note1: SDM = Spatial Diversity Multiplexing, CDD = Cycle Delay Diversity, SS = Spatial Streams

Tested Mode

Test Mode	ANT configuration	Worst data rate
802.11ax(HE20)	CDD Multiple transmitting	MCS 0
802.11ax(HE40)	CDD Multiple transmitting	MCS 0
802.11ax(HE80)	CDD Multiple transmitting	MCS 0

Note 1: The worst case data rate is determined as above test mode according to the power measurements.

Note 2: The conducted power of each in MIMO mode is equal or higher than SISO Mode.

Support Band and Tested Frequency

6ID, 6XD

802.11ax(HE20)			802.11ax(HE40)			802.11ax(HE80)		
Band	CH	Freq. (MHz)	Band	CH	Freq. (MHz)	Band	CH	Freq. (MHz)
U-NII 5	1	5955	U-NII 5	3	5965	U-NII 5	7	5985
	45	6175		43	6165		39	6145
	93	6415		91	6405		87	6385
U-NII 6	97	6435	U-NII 6	99	6445	U-NII 6	103	6465
	105	6475		107	6485		-	-
	113	6515		115	6525		-	-
U-NII 7	117	6535	U-NII 7	123	6565	U-NII 7	119	6545
	149	6695		147	6685		151	6705
	181	6855		179	6845		183	6865
U-NII 8	185	6875	U-NII 8	187	6885	U-NII 8	199	6945
	209	6995		211	7005		215	7025
	233	7115		227	7085		-	-

EUT Operation test setup

- Test Software: MT7961 QA 0.0.2.39
- Power setting: Refer to the table below.

6ID

802.11ax(HE20) – 6ID										
Band	CH	Freq. (MHz)	26T	52T	106T	242T	484T	996T	2X996T	SU
U-NII 5	2	5955	-8	-6	-3	0	NA	NA	NA	0
	45	6175	-8	-6	-3	0	NA	NA	NA	0
	93	6415	-8	-6	-3	0	NA	NA	NA	0
U-NII 6	97	6435	-8	-6	-3	0	NA	NA	NA	0
	105	6475	-8	-6	-3	0	NA	NA	NA	0
	113	6515	-8	-6	-3	0	NA	NA	NA	0
U-NII 7	117	6535	-8	-6	-3	0	NA	NA	NA	0
	149	6695	-8	-6	-3	0	NA	NA	NA	0
	181	6855	-8	-6	-3	0	NA	NA	NA	0
U-NII 8	185	6875	-8	-6	-3	0	NA	NA	NA	0
	209	6995	-8	-6	-3	0	NA	NA	NA	0
	233	7115	-8	-6	-3	0	NA	NA	NA	0

802.11ax(HE40) – 6ID										
Band	CH	Freq. (MHz)	26T	52T	106T	242T	484T	996T	2X996T	SU
U-NII 5	3	5965	-8	-6	-3	0	3	NA	NA	3
	43	6165	-8	-6	-3	0	3	NA	NA	3
	91	6405	-8	-6	-3	0	3	NA	NA	3
U-NII 6	99	6445	-8	-6	-3	0	3	NA	NA	3
	107	6485	-8	-6	-3	0	3	NA	NA	3
	115	6525	-8	-6	-3	0	3	NA	NA	3
U-NII 7	123	6565	-8	-6	-3	0	3	NA	NA	3
	147	6685	-8	-6	-3	0	3	NA	NA	3
	179	6845	-8	-6	-3	0	3	NA	NA	3
U-NII 8	187	6885	-8	-6	-3	0	3	NA	NA	3
	211	7005	-8	-6	-3	0	3	NA	NA	3
	227	7085	-8	-6	-3	0	3	NA	NA	3

802.11ax(HE80) – 6ID										
Band	CH	Freq. (MHz)	26T	52T	106T	242T	484T	996T	2X996T	SU
U-NII 5	7	5985	-8	-6	-3	0	3	5	NA	5
	39	6145	-8	-6	-3	0	3	5	NA	5
	87	6385	-8	-6	-3	0	3	5	NA	5
U-NII 6	103	6465	-8	-6	-3	0	3	5	NA	5
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
U-NII 7	119	6545	-8	-6	-3	0	3	5	NA	5
	151	6705	-8	-6	-3	0	3	5	NA	5
	183	6865	-8	-6	-3	0	3	5	NA	5
U-NII 8	199	6945	-8	-6	-3	0	3	5	NA	5
	215	7025	-8	-6	-3	0	3	5	NA	5
	-	-	NA	NA	NA	NA	NA	NA	NA	NA

6ID

802.11ax(HE20) – 6ID										
Band	CH	Freq. (MHz)	26T	52T	106T	242T	484T	996T	2X996T	SU
U-NII 5	2	5955	-14	-12	-9	-6	NA	NA	NA	-6
	45	6175	-14	-12	-9	-6	NA	NA	NA	-6
	93	6415	-14	-12	-9	-6	NA	NA	NA	-6
U-NII 6	97	6435	-14	-12	-9	-6	NA	NA	NA	-6
	105	6475	-14	-12	-9	-6	NA	NA	NA	-6
	113	6515	-14	-12	-9	-6	NA	NA	NA	-6
U-NII 7	117	6535	-14	-12	-9	-6	NA	NA	NA	-6
	149	6695	-14	-12	-9	-6	NA	NA	NA	-6
	181	6855	-14	-12	-9	-6	NA	NA	NA	-6
U-NII 8	185	6875	-14	-12	-9	-6	NA	NA	NA	-6
	209	6995	-14	-12	-9	-6	NA	NA	NA	-6
	233	7115	-14	-12	-9	-6	NA	NA	NA	-6

802.11ax(HE40) – 6ID										
Band	CH	Freq. (MHz)	26T	52T	106T	242T	484T	996T	2X996T	SU
U-NII 5	3	5965	-14	-12	-9	-6	-3	NA	NA	-3
	43	6165	-14	-12	-9	-6	-3	NA	NA	-3
	91	6405	-14	-12	-9	-6	-3	NA	NA	-3
U-NII 6	99	6445	-14	-12	-9	-6	-3	NA	NA	-3
	107	6485	-14	-12	-9	-6	-3	NA	NA	-3
	115	6525	-14	-12	-9	-6	-3	NA	NA	-3
U-NII 7	123	6565	-14	-12	-9	-6	-3	NA	NA	-3
	147	6685	-14	-12	-9	-6	-3	NA	NA	-3
	179	6845	-14	-12	-9	-6	-3	NA	NA	-3
U-NII 8	187	6885	-14	-12	-9	-6	-3	NA	NA	-3
	211	7005	-14	-12	-9	-6	-3	NA	NA	-3
	227	7085	-14	-12	-9	-6	-3	NA	NA	-3

802.11ax(HE80) – 6ID										
Band	CH	Freq. (MHz)	26T	52T	106T	242T	484T	996T	2X996T	SU
U-NII 5	7	5985	-14	-12	-9	-6	-3	-1	NA	-1
	39	6145	-14	-12	-9	-6	-3	-1	NA	-1
	87	6385	-14	-12	-9	-6	-3	-1	NA	-1
U-NII 6	103	6465	-14	-12	-9	-6	-3	-1	NA	-1
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
U-NII 7	119	6545	-14	-12	-9	-6	-3	-1	NA	-1
	151	6705	-14	-12	-9	-6	-3	-1	NA	-1
	183	6865	-14	-12	-9	-6	-3	-1	NA	-1
U-NII 8	199	6945	-14	-12	-9	-6	-3	-1	NA	-1
	215	7025	-14	-12	-9	-6	-3	-1	NA	-1
	-	-	NA	NA	NA	NA	NA	NA	NA	NA

3. Antenna Requirements

■ According to Part 15.203

“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 antenna is attached on the device by means of unique coupling method.
Therefore this E.U.T complies with the requirement of Part 15.203**

Directional antenna gain:

Bands	Antenna	SISO		MIMO (CDD) ^{Note 1.}
		ANT 1 (dBi)	ANT 2 (dBi)	Directional Gain(dBi)
U-NII 5	M5(WIFI)	5.01	5.36	8.20
U-NII 6		5.01	5.36	8.20
U-NII 7		5.01	5.36	8.20
U-NII 8		5.01	5.36	8.20
U-NII 5	M3(WIFI)	2.36	3.55	5.99
U-NII 6		2.36	3.55	5.99
U-NII 7		2.36	3.55	5.99
U-NII 8		2.36	3.55	5.99
U-NII 5	S7(WIFI)	2.75	2.98	5.88
U-NII 6		2.75	2.98	5.88
U-NII 7		2.75	2.98	5.88
U-NII 8		2.75	2.98	5.88

Note 1. Directional gain(correlated signal with unequal antenna gain and equal transmit power)
 $10 \log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N^{ANT}]$ dBi

4. Summary of Test Result

FCC Part Section(s)	RSS Section(s)	Test Description	Limit	Test Condition	Status Note 1
2.1049 15.407(a)(11)	RSS-248[4.4] RSS Gen[6.7]	Emission Bandwidth (26 dB Bandwidth) / Occupied Bandwidth (99 %)	Channel bandwidth for FCC ≤ 320 MHz Occupied bandwidth for ISSED ≤ 320 MHz	Conducted	C
15.407(a)(5) 15.407(a)(8)	RSS-248[4.5.2] RSS-248[4.5.3]	Maximum e.i.r.p.	For an indoor access point < 30 dBm e.i.r.p. For client devices operating under the control of an indoor access point: < 24 dBm e.i.r.p.		C
15.407(a)(5) 15.407(a)(8)	RSS-248[4.5.2] RSS-248[4.5.3]	Maximum power spectral density	For an indoor access point < 5 dBm/MHz e.i.r.p. For client devices operating under the control of an indoor access point: < -1 dBm/MHz e.i.r.p.		C
15.407(b)(7)	RSS-248[4.6.2]	In-Band Emissions	Part 15.407(b)(7) (Refer to section 5.4)		C
15.407(d)(6)	RSS-248[4.7]	Contention-based protocol	Low-power indoor devices must detect co-channel energy with 90% or greater certainty.		C
15.407(b)(6) 15.205 15.209	RSS-248[4.6.2] RSS-Gen[8.9] RSS-Gen[8.10]	Unwanted Emissions	Part 15.407(b), Part 15.209 (Refer to section 5.6)	Radiated	C Note 2, 3, 4
15.407(b)(9) 15.207	RSS-Gen[8.8]	AC Power-Line Conducted Emissions	Part 15.207 (Refer to section 5.7)	AC Line Conducted	C Note 4

Note 1: C=Comply NC=Not Comply NT=Not Tested NA=Not Applicable

Note 2: This test item was performed in three orthogonal EUT positions and the worst case data was reported.

Note 3: The radiated emission test was performed using the highest gain antenna(Model: M5), and the results are reported. Spot check testing was performed for antennas with lower gain, and the results were similar to or lower than those of the highest gain antenna.

Note 4: This test item was performed 6ID mode.

5. Test Result

5.1. Emission Bandwidth (26 dB Bandwidth) & Occupied BW (99 %)

■ Test Requirements and limit

Emission Bandwidth (26 dB Bandwidth)

The bandwidth at 26 dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

Occupied BW (99 %)

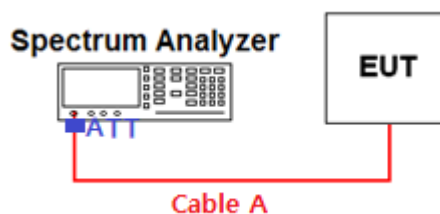
The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

Limit

Part 15.407(a)(11): The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

RSS-248[4.4]: The occupied bandwidth of an RLAN device shall not exceed 320 MHz.

■ Test Configuration



■ Test Procedure

- KDB 987594 D02v03

- KDB 789033 D02v02r01

Emission Bandwidth (26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

- 1) Set RBW = approximately 1% of the emission bandwidth.
- 2) Set the VBW > RBW.
- 3) Detector = Peak.
- 4) Trace mode = max hold.
- 5) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section

99% Occupied Bandwidth

The transmitter output is connected to the Spectrum Analyzer.

- 1) Set center frequency to the nominal EUT channel center frequency.
- 2) Set span = 1.5 times to 5.0 times the OBW.
- 3) Set RBW = 1% to 5% of the OBW
- 4) Set VBW $\geq 3 \times$ RBW
- 5) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- 6) Use the 99% power bandwidth function of the instrument (if available).

Test Results

Test Mode: 6ID & 802.11ax(HE20)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 5	802.11ax(HE20)	2	5955	26T	0	21.33	20.24	18.34	18.46
U-NII 5	802.11ax(HE20)	2	5955	26T	4	18.15	18.04	17.02	17.00
U-NII 5	802.11ax(HE20)	2	5955	26T	8	21.12	20.29	18.66	18.62
U-NII 5	802.11ax(HE20)	2	5955	242T	61	26.16	21.64	18.98	18.95
U-NII 5	802.11ax(HE20)	45	6175	26T	0	20.51	20.19	18.54	18.49
U-NII 5	802.11ax(HE20)	45	6175	26T	4	18.06	18.11	17.06	16.98
U-NII 5	802.11ax(HE20)	45	6175	26T	8	21.20	20.16	18.48	18.36
U-NII 5	802.11ax(HE20)	45	6175	242T	61	22.93	22.35	18.94	18.96
U-NII 5	802.11ax(HE20)	93	6415	26T	0	20.19	20.53	18.57	18.50
U-NII 5	802.11ax(HE20)	93	6415	26T	4	18.04	18.03	17.05	16.93
U-NII 5	802.11ax(HE20)	93	6415	26T	8	20.53	20.19	18.51	18.47
U-NII 5	802.11ax(HE20)	93	6415	242T	61	22.25	23.17	18.93	18.97
U-NII 6	802.11ax(HE20)	97	6435	26T	0	20.36	20.24	18.59	18.44
U-NII 6	802.11ax(HE20)	97	6435	26T	4	18.09	18.00	17.06	16.84
U-NII 6	802.11ax(HE20)	97	6435	26T	8	20.75	20.46	18.68	18.55
U-NII 6	802.11ax(HE20)	97	6435	242T	61	21.69	21.19	18.92	18.93
U-NII 6	802.11ax(HE20)	105	6475	26T	0	20.42	20.06	18.52	18.45
U-NII 6	802.11ax(HE20)	105	6475	26T	4	18.11	18.05	17.01	16.99
U-NII 6	802.11ax(HE20)	105	6475	26T	8	20.40	20.10	18.56	18.43
U-NII 6	802.11ax(HE20)	105	6475	242T	61	21.92	21.03	19.00	18.96
U-NII 6	802.11ax(HE20)	113	6515	26T	0	20.46	20.06	18.59	18.48
U-NII 6	802.11ax(HE20)	113	6515	26T	4	17.99	18.03	16.97	17.07
U-NII 6	802.11ax(HE20)	113	6515	26T	8	20.59	19.74	18.78	18.40
U-NII 6	802.11ax(HE20)	113	6515	242T	61	22.73	22.54	18.96	18.96

Test Mode: 6ID & 802.11ax(HE20)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 7	802.11ax(HE20)	117	6535	26T	0	20.67	20.56	18.65	18.52
U-NII 7	802.11ax(HE20)	117	6535	26T	4	18.22	18.06	17.08	17.05
U-NII 7	802.11ax(HE20)	117	6535	26T	8	20.70	20.40	18.60	18.52
U-NII 7	802.11ax(HE20)	117	6535	242T	61	29.06	23.58	18.92	18.91
U-NII 7	802.11ax(HE20)	149	6695	26T	0	20.46	20.18	18.63	18.48
U-NII 7	802.11ax(HE20)	149	6695	26T	4	18.19	18.15	16.95	17.05
U-NII 7	802.11ax(HE20)	149	6695	26T	8	20.52	20.05	18.63	18.53
U-NII 7	802.11ax(HE20)	149	6695	242T	61	21.67	21.58	19.04	18.96
U-NII 7	802.11ax(HE20)	181	6855	26T	0	20.52	20.18	18.64	18.62
U-NII 7	802.11ax(HE20)	181	6855	26T	4	18.23	18.06	16.98	16.99
U-NII 7	802.11ax(HE20)	181	6855	26T	8	20.34	20.24	18.60	18.37
U-NII 7	802.11ax(HE20)	181	6855	242T	61	21.59	22.31	18.92	18.96
U-NII 8	802.11ax(HE20)	185	6875	26T	0	20.26	20.04	18.59	18.50
U-NII 8	802.11ax(HE20)	185	6875	26T	4	18.14	18.15	16.97	17.05
U-NII 8	802.11ax(HE20)	185	6875	26T	8	20.39	20.32	18.57	18.41
U-NII 8	802.11ax(HE20)	185	6875	242T	61	21.74	22.12	18.95	18.92
U-NII 8	802.11ax(HE20)	209	6995	26T	0	20.76	20.11	18.66	18.34
U-NII 8	802.11ax(HE20)	209	6995	26T	4	18.15	18.11	16.96	16.89
U-NII 8	802.11ax(HE20)	209	6995	26T	8	20.41	20.32	18.57	18.57
U-NII 8	802.11ax(HE20)	209	6995	242T	61	24.38	21.43	18.97	18.92
U-NII 8	802.11ax(HE20)	233	7115	26T	0	20.32	19.99	18.39	18.46
U-NII 8	802.11ax(HE20)	233	7115	26T	4	18.01	18.08	16.82	16.98
U-NII 8	802.11ax(HE20)	233	7115	26T	8	20.70	20.12	18.58	18.42
U-NII 8	802.11ax(HE20)	233	7115	242T	61	21.61	21.41	18.95	18.95

Test Mode: 6ID & 802.11ax(HE40)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 5	802.11ax(HE40)	3	5965	26T	0	19.02	19.12	17.82	17.75
U-NII 5	802.11ax(HE40)	3	5965	26T	8	22.80	21.39	20.51	20.00
U-NII 5	802.11ax(HE40)	3	5965	26T	17	19.13	18.97	17.78	17.79
U-NII 5	802.11ax(HE40)	3	5965	484T	65	39.48	39.06	37.38	37.43
U-NII 5	802.11ax(HE40)	43	6165	26T	0	20.77	20.56	18.91	18.78
U-NII 5	802.11ax(HE40)	43	6165	26T	8	22.71	23.05	20.37	20.28
U-NII 5	802.11ax(HE40)	43	6165	26T	17	19.08	18.95	17.68	17.71
U-NII 5	802.11ax(HE40)	43	6165	484T	65	39.35	39.35	37.50	37.53
U-NII 5	802.11ax(HE40)	91	6405	26T	0	20.87	20.23	18.92	18.82
U-NII 5	802.11ax(HE40)	91	6405	26T	8	22.65	21.89	20.41	20.11
U-NII 5	802.11ax(HE40)	91	6405	26T	17	19.17	19.06	17.85	17.86
U-NII 5	802.11ax(HE40)	91	6405	484T	65	39.22	39.39	37.44	37.50
U-NII 6	802.11ax(HE40)	99	6445	26T	0	19.09	19.15	17.84	17.90
U-NII 6	802.11ax(HE40)	99	6445	26T	8	22.43	21.72	20.59	20.16
U-NII 6	802.11ax(HE40)	99	6445	26T	17	19.15	18.94	17.90	17.82
U-NII 6	802.11ax(HE40)	99	6445	484T	65	39.37	39.32	37.47	37.38
U-NII 6	802.11ax(HE40)	107	6485	26T	0	21.05	20.69	18.87	18.85
U-NII 6	802.11ax(HE40)	107	6485	26T	8	21.74	22.60	20.33	20.46
U-NII 6	802.11ax(HE40)	107	6485	26T	17	19.52	19.26	17.95	17.90
U-NII 6	802.11ax(HE40)	107	6485	484T	65	39.29	39.28	37.56	37.50
U-NII 6	802.11ax(HE40)	115	6525	26T	0	20.62	20.27	18.90	18.75
U-NII 6	802.11ax(HE40)	115	6525	26T	8	21.34	21.97	20.82	20.24
U-NII 6	802.11ax(HE40)	115	6525	26T	17	19.39	19.02	17.90	17.88
U-NII 6	802.11ax(HE40)	115	6525	484T	65	39.45	39.32	37.40	37.40

Test Mode: 6ID & 802.11ax(HE40)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 7	802.11ax(HE40)	123	6565	26T	0	19.07	19.19	17.87	17.78
U-NII 7	802.11ax(HE40)	123	6565	26T	8	22.56	21.67	20.62	19.96
U-NII 7	802.11ax(HE40)	123	6565	26T	17	19.32	19.17	17.91	17.89
U-NII 7	802.11ax(HE40)	123	6565	484T	65	39.21	39.21	37.36	37.43
U-NII 7	802.11ax(HE40)	147	6685	26T	0	20.58	20.24	18.74	18.76
U-NII 7	802.11ax(HE40)	147	6685	26T	8	22.40	21.86	20.51	20.11
U-NII 7	802.11ax(HE40)	147	6685	26T	17	19.26	18.99	17.94	17.83
U-NII 7	802.11ax(HE40)	147	6685	484T	65	39.32	39.33	37.41	37.51
U-NII 7	802.11ax(HE40)	179	6845	26T	0	20.46	20.58	18.90	18.79
U-NII 7	802.11ax(HE40)	179	6845	26T	8	22.85	21.59	20.75	20.02
U-NII 7	802.11ax(HE40)	179	6845	26T	17	19.01	19.13	17.76	17.98
U-NII 7	802.11ax(HE40)	179	6845	484T	65	39.36	39.38	37.49	37.48
U-NII 8	802.11ax(HE40)	187	6885	26T	0	19.21	19.23	17.97	17.90
U-NII 8	802.11ax(HE40)	187	6885	26T	8	22.28	22.06	20.53	19.95
U-NII 8	802.11ax(HE40)	187	6885	26T	17	19.11	19.02	17.89	17.84
U-NII 8	802.11ax(HE40)	187	6885	484T	65	39.29	39.23	37.51	37.54
U-NII 8	802.11ax(HE40)	211	7005	26T	0	19.04	19.05	17.79	17.83
U-NII 8	802.11ax(HE40)	211	7005	26T	8	22.69	21.80	20.51	20.05
U-NII 8	802.11ax(HE40)	211	7005	26T	17	19.05	19.09	17.74	17.87
U-NII 8	802.11ax(HE40)	211	7005	484T	65	39.41	39.42	37.51	37.49
U-NII 8	802.11ax(HE40)	227	7085	26T	0	19.08	19.19	17.86	17.93
U-NII 8	802.11ax(HE40)	227	7085	26T	8	22.36	21.76	20.29	20.17
U-NII 8	802.11ax(HE40)	227	7085	26T	17	19.02	18.98	17.85	17.81
U-NII 8	802.11ax(HE40)	227	7085	484T	65	39.40	39.19	37.44	37.49

Test Mode: 6ID & 802.11ax(HE80)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 5	802.11ax(HE80)	7	5985	26T	0	20.13	19.85	18.58	18.29
U-NII 5	802.11ax(HE80)	7	5985	26T	17	24.23	24.48	22.08	21.48
U-NII 5	802.11ax(HE80)	7	5985	26T	36	20.26	20.80	18.46	18.50
U-NII 5	802.11ax(HE80)	7	5985	996T	67	79.90	79.73	76.93	76.58
U-NII 5	802.11ax(HE80)	39	6145	26T	0	21.36	21.24	19.57	19.48
U-NII 5	802.11ax(HE80)	39	6145	26T	17	22.58	22.21	20.91	21.63
U-NII 5	802.11ax(HE80)	39	6145	26T	36	19.41	19.99	18.22	18.36
U-NII 5	802.11ax(HE80)	39	6145	996T	67	79.81	79.72	76.55	76.75
U-NII 5	802.11ax(HE80)	87	6385	26T	0	21.74	21.84	19.54	19.47
U-NII 5	802.11ax(HE80)	87	6385	26T	17	23.62	22.74	21.54	21.31
U-NII 5	802.11ax(HE80)	87	6385	26T	36	19.72	19.76	18.13	18.43
U-NII 5	802.11ax(HE80)	87	6385	996T	67	80.02	79.80	76.69	76.76
U-NII 6	802.11ax(HE80)	103	6465	26T	0	19.98	19.97	18.46	18.26
U-NII 6	802.11ax(HE80)	103	6465	26T	17	22.03	22.54	21.75	21.56
U-NII 6	802.11ax(HE80)	103	6465	26T	36	20.69	20.38	18.68	18.45
U-NII 6	802.11ax(HE80)	103	6465	996T	67	79.94	79.74	76.71	76.60

Test Mode: 6ID & 802.11ax(HE80)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 7	802.11ax(HE80)	119	6545	26T	0	21.44	20.87	19.35	19.42
U-NII 7	802.11ax(HE80)	119	6545	26T	17	24.46	23.33	21.87	21.40
U-NII 7	802.11ax(HE80)	119	6545	26T	36	20.01	20.41	18.47	18.52
U-NII 7	802.11ax(HE80)	119	6545	996T	67	79.94	79.81	76.69	76.71
U-NII 7	802.11ax(HE80)	151	6705	26T	0	23.16	21.52	19.70	19.34
U-NII 7	802.11ax(HE80)	151	6705	26T	17	24.48	24.59	22.46	21.51
U-NII 7	802.11ax(HE80)	151	6705	26T	36	19.85	20.10	18.55	18.31
U-NII 7	802.11ax(HE80)	151	6705	996T	67	79.84	79.85	76.59	76.72
U-NII 7	802.11ax(HE80)	183	6865	26T	0	21.60	21.10	19.45	19.13
U-NII 7	802.11ax(HE80)	183	6865	26T	17	25.31	21.83	22.28	21.18
U-NII 7	802.11ax(HE80)	183	6865	26T	36	20.05	19.89	18.61	18.53
U-NII 7	802.11ax(HE80)	183	6865	996T	67	79.98	80.05	76.88	76.65
U-NII 8	802.11ax(HE80)	199	6945	26T	0	21.15	21.79	19.34	19.43
U-NII 8	802.11ax(HE80)	199	6945	26T	17	25.59	23.74	22.04	21.76
U-NII 8	802.11ax(HE80)	199	6945	26T	36	20.03	19.75	18.49	18.45
U-NII 8	802.11ax(HE80)	199	6945	996T	67	80.04	80.01	76.81	76.83
U-NII 8	802.11ax(HE80)	215	7025	26T	0	21.40	21.22	19.23	19.48
U-NII 8	802.11ax(HE80)	215	7025	26T	17	25.65	24.50	22.74	21.67
U-NII 8	802.11ax(HE80)	215	7025	26T	36	20.05	19.84	18.35	18.33
U-NII 8	802.11ax(HE80)	215	7025	996T	67	79.89	79.94	76.76	76.75

Test Mode: 6XD & 802.11ax(HE20)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 5	802.11ax(HE20)	1	5955	26T	0	20.48	20.31	18.45	18.48
U-NII 5	802.11ax(HE20)	1	5955	26T	4	18.13	18.09	17.04	17.04
U-NII 5	802.11ax(HE20)	1	5955	26T	8	20.78	20.44	18.70	18.58
U-NII 5	802.11ax(HE20)	1	5955	242T	61	23.29	22.19	18.92	18.94
U-NII 5	802.11ax(HE20)	45	6175	26T	0	20.52	20.34	18.64	18.47
U-NII 5	802.11ax(HE20)	45	6175	26T	4	18.08	18.05	17.02	17.02
U-NII 5	802.11ax(HE20)	45	6175	26T	8	20.79	19.98	18.64	18.54
U-NII 5	802.11ax(HE20)	45	6175	242T	61	21.86	21.84	18.92	18.91
U-NII 5	802.11ax(HE20)	93	6415	26T	0	20.28	19.98	18.62	18.44
U-NII 5	802.11ax(HE20)	93	6415	26T	4	18.12	18.11	16.97	16.81
U-NII 5	802.11ax(HE20)	93	6415	26T	8	20.52	20.04	18.51	18.47
U-NII 5	802.11ax(HE20)	93	6415	242T	61	21.72	22.11	18.96	18.99
U-NII 6	802.11ax(HE20)	97	6435	26T	0	20.74	20.70	18.57	18.43
U-NII 6	802.11ax(HE20)	97	6435	26T	4	18.12	18.08	16.97	17.02
U-NII 6	802.11ax(HE20)	97	6435	26T	8	20.62	20.40	18.64	18.60
U-NII 6	802.11ax(HE20)	97	6435	242T	61	22.66	23.42	18.96	18.93
U-NII 6	802.11ax(HE20)	105	6475	26T	0	20.45	20.46	18.43	18.41
U-NII 6	802.11ax(HE20)	105	6475	26T	4	18.06	18.09	17.09	17.03
U-NII 6	802.11ax(HE20)	105	6475	26T	8	20.58	19.93	18.56	18.38
U-NII 6	802.11ax(HE20)	105	6475	242T	61	21.53	22.26	18.96	18.99
U-NII 6	802.11ax(HE20)	113	6515	26T	0	20.40	19.99	18.54	18.25
U-NII 6	802.11ax(HE20)	113	6515	26T	4	18.14	18.09	17.00	17.06
U-NII 6	802.11ax(HE20)	113	6515	26T	8	20.41	20.09	18.69	18.51
U-NII 6	802.11ax(HE20)	113	6515	242T	61	22.68	23.85	18.94	18.91

Test Mode: 6XD & 802.11ax(HE20)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 7	802.11ax(HE20)	117	6535	26T	0	20.63	19.86	18.55	18.42
U-NII 7	802.11ax(HE20)	117	6535	26T	4	18.20	18.11	17.03	17.05
U-NII 7	802.11ax(HE20)	117	6535	26T	8	20.43	20.31	18.53	18.52
U-NII 7	802.11ax(HE20)	117	6535	242T	61	22.03	22.10	18.98	18.97
U-NII 7	802.11ax(HE20)	149	6695	26T	0	21.18	20.28	18.67	18.39
U-NII 7	802.11ax(HE20)	149	6695	26T	4	18.18	18.02	17.07	17.08
U-NII 7	802.11ax(HE20)	149	6695	26T	8	20.38	20.13	18.64	18.53
U-NII 7	802.11ax(HE20)	149	6695	242T	61	22.83	21.32	18.97	18.97
U-NII 7	802.11ax(HE20)	181	6855	26T	0	20.52	20.79	18.68	18.44
U-NII 7	802.11ax(HE20)	181	6855	26T	4	18.21	18.09	16.95	17.05
U-NII 7	802.11ax(HE20)	181	6855	26T	8	20.15	21.24	18.36	18.60
U-NII 7	802.11ax(HE20)	181	6855	242T	61	24.04	21.72	18.96	18.94
U-NII 8	802.11ax(HE20)	185	6875	26T	0	20.42	20.40	18.63	18.48
U-NII 8	802.11ax(HE20)	185	6875	26T	4	18.15	18.06	17.02	17.01
U-NII 8	802.11ax(HE20)	185	6875	26T	8	20.37	19.96	18.54	18.55
U-NII 8	802.11ax(HE20)	185	6875	242T	61	22.29	22.01	18.94	18.93
U-NII 8	802.11ax(HE20)	209	6995	26T	0	20.34	20.00	18.59	18.47
U-NII 8	802.11ax(HE20)	209	6995	26T	4	18.17	18.05	16.97	17.02
U-NII 8	802.11ax(HE20)	209	6995	26T	8	20.82	19.99	18.17	18.55
U-NII 8	802.11ax(HE20)	209	6995	242T	61	23.72	21.53	18.94	18.98
U-NII 8	802.11ax(HE20)	233	7115	26T	0	20.44	19.89	18.57	18.33
U-NII 8	802.11ax(HE20)	233	7115	26T	4	18.06	18.14	16.97	16.88
U-NII 8	802.11ax(HE20)	233	7115	26T	8	20.66	20.03	18.58	18.62
U-NII 8	802.11ax(HE20)	233	7115	242T	61	22.89	21.81	19.00	19.02

Test Mode: 6XD & 802.11ax(HE40)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 5	802.11ax(HE40)	3	5965	26T	0	20.51	20.38	18.89	18.71
U-NII 5	802.11ax(HE40)	3	5965	26T	8	22.42	21.96	20.56	20.14
U-NII 5	802.11ax(HE40)	3	5965	26T	17	19.07	18.98	17.69	17.85
U-NII 5	802.11ax(HE40)	3	5965	484T	65	39.40	39.39	37.50	37.43
U-NII 5	802.11ax(HE40)	43	6165	26T	0	20.56	20.84	18.86	18.79
U-NII 5	802.11ax(HE40)	43	6165	26T	8	22.87	22.23	20.55	19.69
U-NII 5	802.11ax(HE40)	43	6165	26T	17	19.14	19.02	17.82	17.77
U-NII 5	802.11ax(HE40)	43	6165	484T	65	39.44	39.35	37.58	37.42
U-NII 5	802.11ax(HE40)	91	6405	26T	0	20.68	20.36	18.80	18.83
U-NII 5	802.11ax(HE40)	91	6405	26T	8	22.51	22.04	20.53	19.99
U-NII 5	802.11ax(HE40)	91	6405	26T	17	19.16	19.03	17.81	17.83
U-NII 5	802.11ax(HE40)	91	6405	484T	65	39.28	39.30	37.48	37.47
U-NII 6	802.11ax(HE40)	99	6445	26T	0	21.10	20.81	18.98	18.91
U-NII 6	802.11ax(HE40)	99	6445	26T	8	22.09	22.64	20.75	20.53
U-NII 6	802.11ax(HE40)	99	6445	26T	17	19.24	19.00	18.02	17.88
U-NII 6	802.11ax(HE40)	99	6445	484T	65	39.33	39.43	37.53	37.60
U-NII 6	802.11ax(HE40)	107	6485	26T	0	21.13	20.94	19.02	18.93
U-NII 6	802.11ax(HE40)	107	6485	26T	8	22.12	22.16	20.87	20.07
U-NII 6	802.11ax(HE40)	107	6485	26T	17	19.27	19.05	17.89	17.87
U-NII 6	802.11ax(HE40)	107	6485	484T	65	39.38	39.26	37.43	37.41
U-NII 6	802.11ax(HE40)	115	6525	26T	0	20.97	20.46	19.08	18.90
U-NII 6	802.11ax(HE40)	115	6525	26T	8	23.18	22.19	21.13	20.41
U-NII 6	802.11ax(HE40)	115	6525	26T	17	19.28	19.01	17.98	17.87
U-NII 6	802.11ax(HE40)	115	6525	484T	65	39.40	39.37	37.51	37.49

Test Mode: 6XD & 802.11ax(HE40)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 7	802.11ax(HE40)	123	6565	26T	0	19.02	19.28	17.90	17.88
U-NII 7	802.11ax(HE40)	123	6565	26T	8	23.57	21.86	20.94	20.22
U-NII 7	802.11ax(HE40)	123	6565	26T	17	19.19	19.09	18.01	17.93
U-NII 7	802.11ax(HE40)	123	6565	484T	65	39.24	39.27	37.41	37.52
U-NII 7	802.11ax(HE40)	147	6685	26T	0	21.02	20.79	18.98	18.85
U-NII 7	802.11ax(HE40)	147	6685	26T	8	21.87	21.87	20.51	20.25
U-NII 7	802.11ax(HE40)	147	6685	26T	17	19.27	18.92	17.93	17.85
U-NII 7	802.11ax(HE40)	147	6685	484T	65	39.30	39.43	37.40	37.52
U-NII 7	802.11ax(HE40)	179	6845	26T	0	21.01	20.50	18.98	18.86
U-NII 7	802.11ax(HE40)	179	6845	26T	8	21.96	21.58	20.64	20.36
U-NII 7	802.11ax(HE40)	179	6845	26T	17	19.22	19.14	18.00	18.00
U-NII 7	802.11ax(HE40)	179	6845	484T	65	39.38	39.20	37.51	37.50
U-NII 8	802.11ax(HE40)	187	6885	26T	0	19.23	19.23	17.98	17.98
U-NII 8	802.11ax(HE40)	187	6885	26T	8	21.81	21.69	20.34	20.28
U-NII 8	802.11ax(HE40)	187	6885	26T	17	19.29	19.06	17.98	17.97
U-NII 8	802.11ax(HE40)	187	6885	484T	65	39.22	39.33	37.57	37.56
U-NII 8	802.11ax(HE40)	211	7005	26T	0	20.39	20.32	18.93	18.75
U-NII 8	802.11ax(HE40)	211	7005	26T	8	22.42	22.33	20.69	20.60
U-NII 8	802.11ax(HE40)	211	7005	26T	17	19.21	19.04	17.87	17.95
U-NII 8	802.11ax(HE40)	211	7005	484T	65	39.48	39.44	37.55	37.43
U-NII 8	802.11ax(HE40)	227	7085	26T	0	20.34	20.31	18.91	18.97
U-NII 8	802.11ax(HE40)	227	7085	26T	8	21.76	21.81	20.53	20.30
U-NII 8	802.11ax(HE40)	227	7085	26T	17	19.14	19.07	17.96	17.79
U-NII 8	802.11ax(HE40)	227	7085	484T	65	39.42	39.22	37.52	37.43

Test Mode: 6XD & 802.11ax(HE80)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 5	802.11ax(HE80)	7	5985	26T	0	27.99	21.33	19.34	19.23
U-NII 5	802.11ax(HE80)	7	5985	26T	17	22.29	23.12	21.48	20.86
U-NII 5	802.11ax(HE80)	7	5985	26T	36	19.98	19.47	18.40	18.27
U-NII 5	802.11ax(HE80)	7	5985	996T	67	79.96	79.78	76.79	76.67
U-NII 5	802.11ax(HE80)	39	6145	26T	0	20.86	21.21	19.42	19.36
U-NII 5	802.11ax(HE80)	39	6145	26T	17	23.90	22.25	21.68	20.62
U-NII 5	802.11ax(HE80)	39	6145	26T	36	20.11	19.64	18.47	18.20
U-NII 5	802.11ax(HE80)	39	6145	996T	67	79.79	80.03	76.68	76.80
U-NII 5	802.11ax(HE80)	87	6385	26T	0	28.64	20.89	19.32	19.19
U-NII 5	802.11ax(HE80)	87	6385	26T	17	24.13	21.53	21.91	20.79
U-NII 5	802.11ax(HE80)	87	6385	26T	36	20.31	19.96	18.55	18.31
U-NII 5	802.11ax(HE80)	87	6385	996T	67	80.11	79.75	76.52	76.52
U-NII 6	802.11ax(HE80)	103	6465	26T	0	19.92	19.90	18.93	18.62
U-NII 6	802.11ax(HE80)	103	6465	26T	17	23.38	23.86	22.41	22.30
U-NII 6	802.11ax(HE80)	103	6465	26T	36	20.08	20.08	18.87	18.71
U-NII 6	802.11ax(HE80)	103	6465	996T	67	79.74	79.93	76.55	76.75

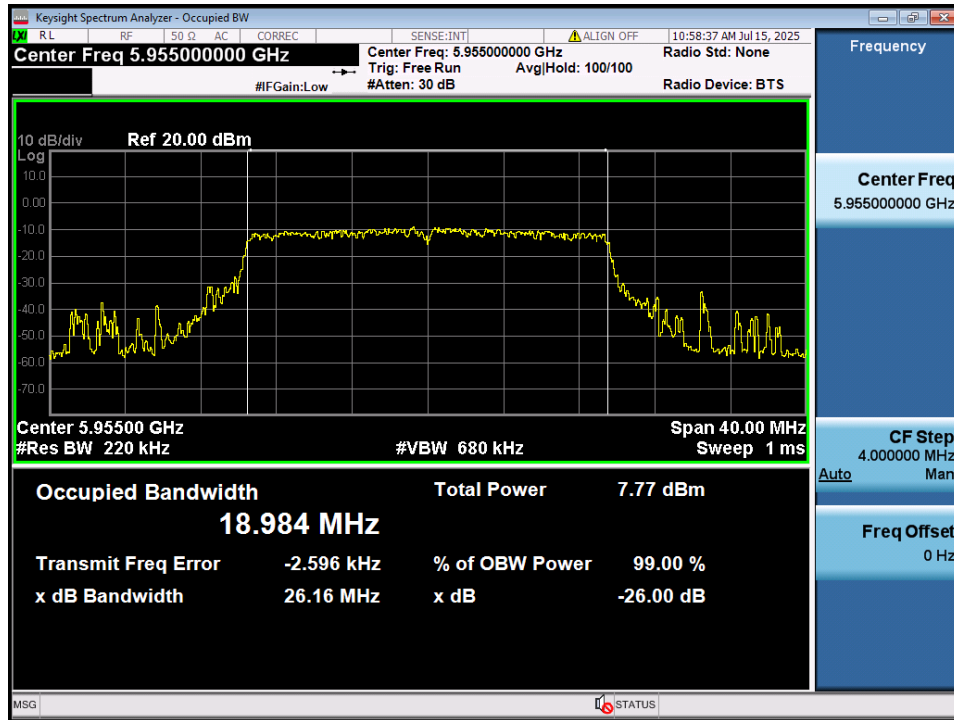
Test Mode: 6XD & 802.11ax(HE80)

Band	Mode	CH	Frequency (MHz)	Tones	RU Index	ANT 1 26dB BW (MHz)	ANT 2 26dB BW (MHz)	ANT 1 99% dB BW (MHz)	ANT 2 99% dB BW (MHz)
U-NII 7	802.11ax(HE80)	119	6545	26T	0	20.43	19.86	19.23	18.53
U-NII 7	802.11ax(HE80)	119	6545	26T	17	25.09	21.38	23.36	21.23
U-NII 7	802.11ax(HE80)	119	6545	26T	36	20.00	20.50	18.77	18.83
U-NII 7	802.11ax(HE80)	119	6545	996T	67	80.05	79.79	76.69	76.75
U-NII 7	802.11ax(HE80)	151	6705	26T	0	21.65	21.37	19.68	19.63
U-NII 7	802.11ax(HE80)	151	6705	26T	17	24.81	22.74	23.87	22.53
U-NII 7	802.11ax(HE80)	151	6705	26T	36	19.70	20.37	18.79	18.56
U-NII 7	802.11ax(HE80)	151	6705	996T	67	79.93	79.89	76.58	76.90
U-NII 7	802.11ax(HE80)	183	6865	26T	0	21.90	21.50	20.27	19.71
U-NII 7	802.11ax(HE80)	183	6865	26T	17	25.06	23.08	23.76	22.82
U-NII 7	802.11ax(HE80)	183	6865	26T	36	20.28	19.68	19.89	18.70
U-NII 7	802.11ax(HE80)	183	6865	996T	67	79.94	79.80	76.71	76.54
U-NII 8	802.11ax(HE80)	199	6945	26T	0	20.72	20.01	19.19	18.63
U-NII 8	802.11ax(HE80)	199	6945	26T	17	23.42	23.72	22.81	22.71
U-NII 8	802.11ax(HE80)	199	6945	26T	36	20.12	20.16	18.71	18.79
U-NII 8	802.11ax(HE80)	199	6945	996T	67	79.88	79.97	76.70	76.99
U-NII 8	802.11ax(HE80)	215	7025	26T	0	21.12	21.00	19.60	19.52
U-NII 8	802.11ax(HE80)	215	7025	26T	17	23.30	23.25	22.99	22.70
U-NII 8	802.11ax(HE80)	215	7025	26T	36	19.70	20.00	18.78	18.59
U-NII 8	802.11ax(HE80)	215	7025	996T	67	79.91	80.01	76.69	76.80

Note: Maximum Occupied bandwidth are attached.

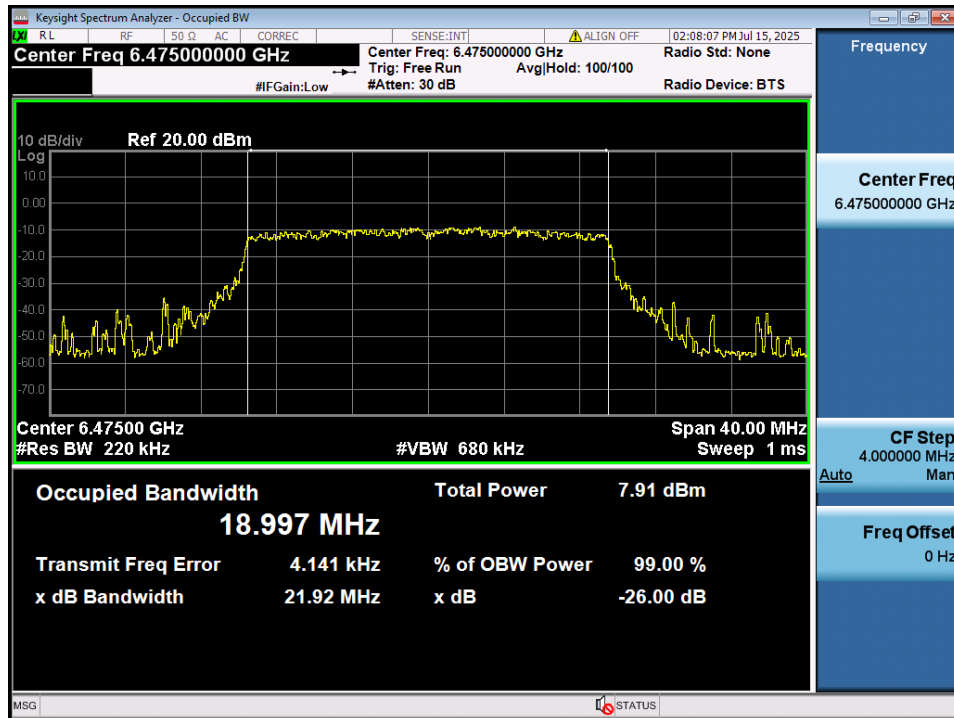
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 5 & 802.11ax(HE20) & 5955 MHz & 242T(61) & ANT1



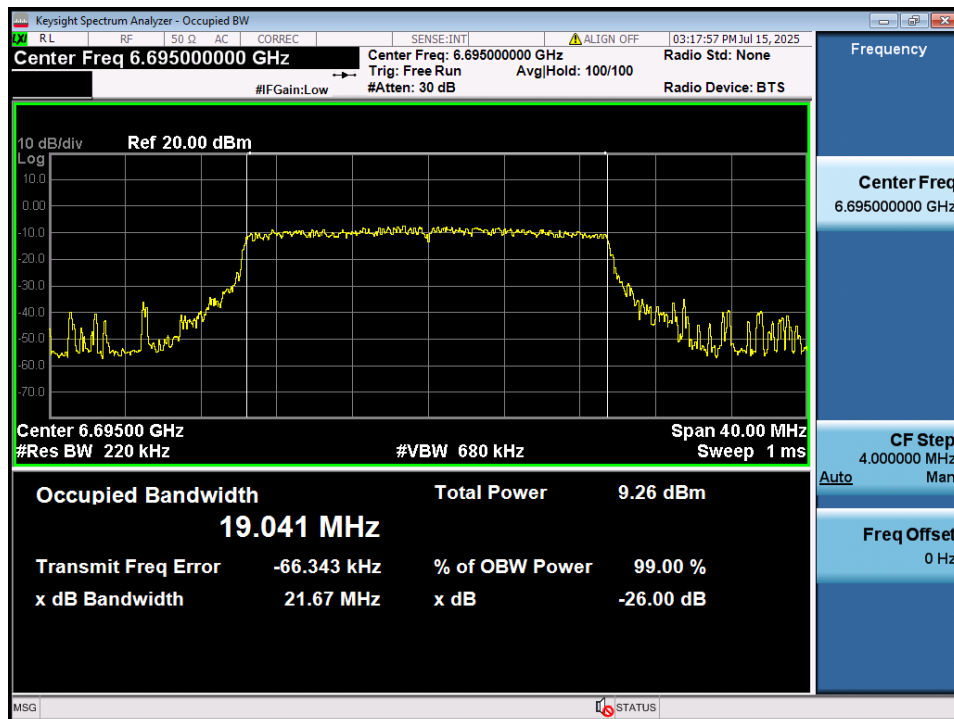
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 6 & 802.11ax(HE20) & 6475 MHz & 242T(61) & ANT1



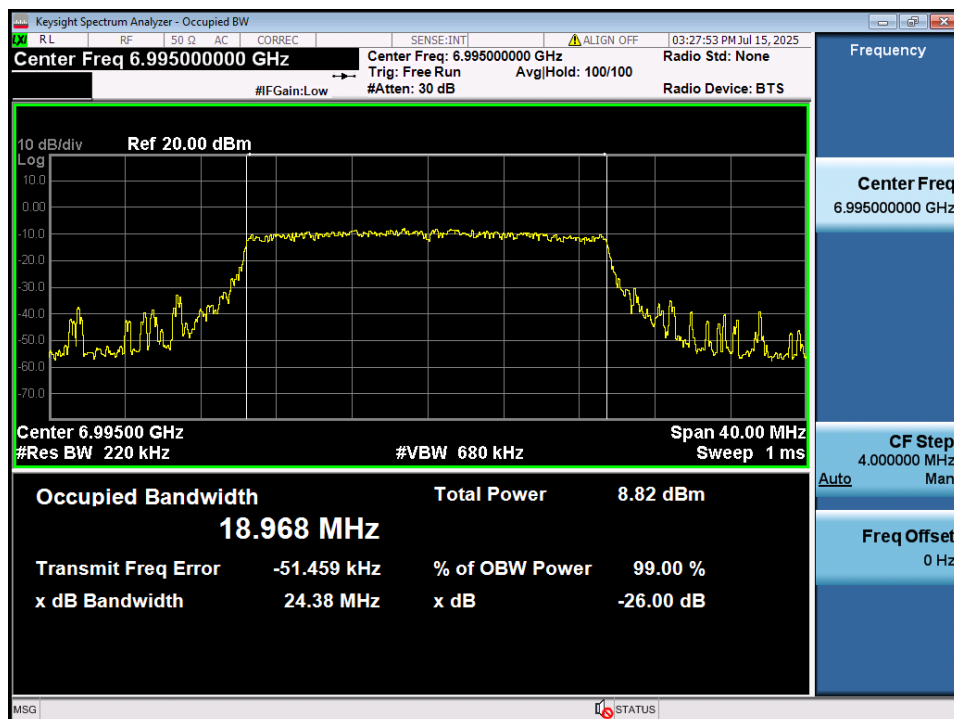
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 7 & 802.11ax(HE20) & 6695 MHz & 242T(61) & ANT1



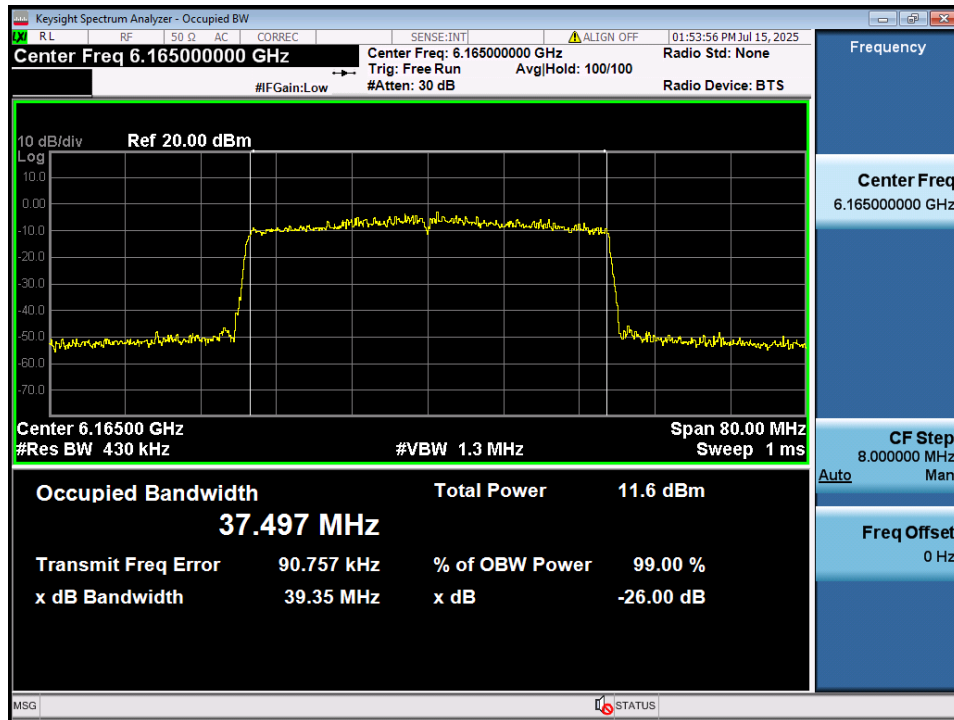
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 8 & 802.11ax(HE20) & 6995 MHz & 242T(61) & ANT1



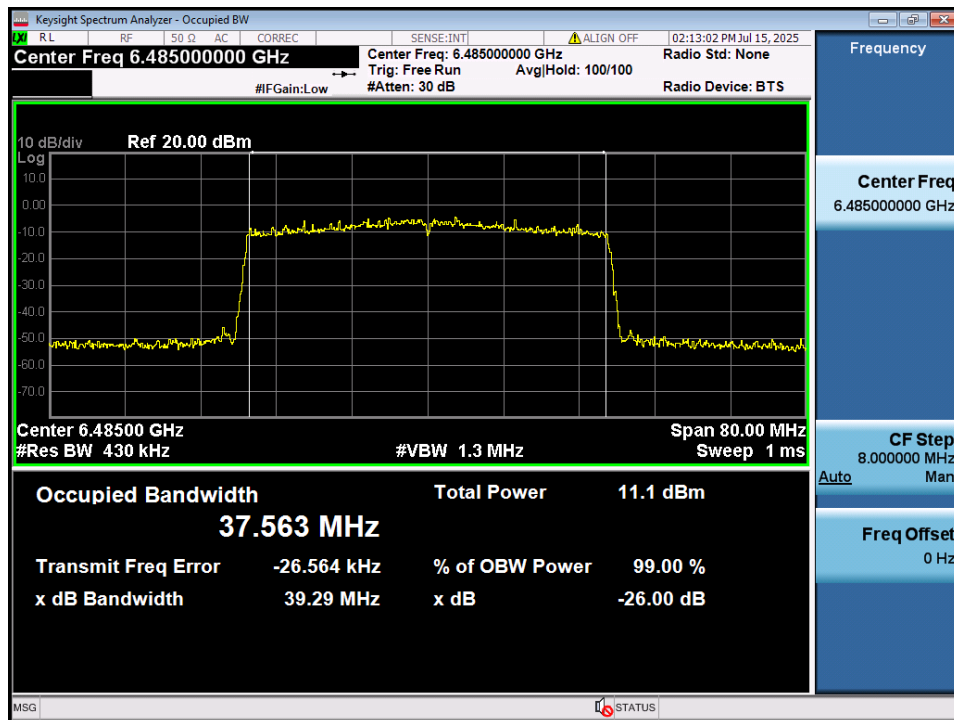
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 5 & 802.11ax(HE40) & 6165 MHz & 484T(65) & ANT1



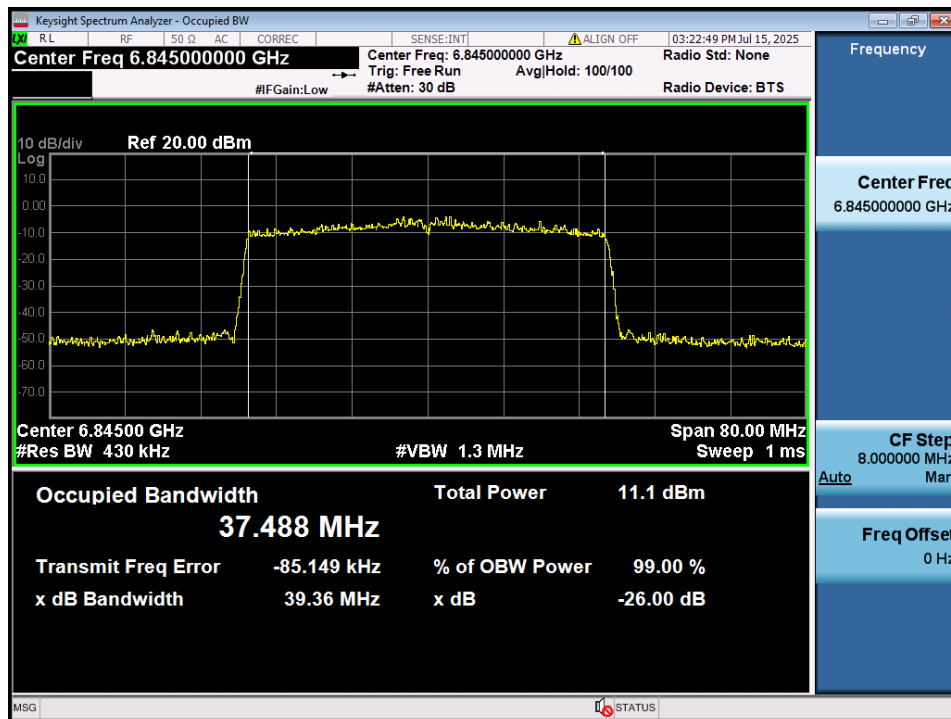
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 6 & 802.11ax(HE40) & 6485 MHz & 484T(65) & ANT1



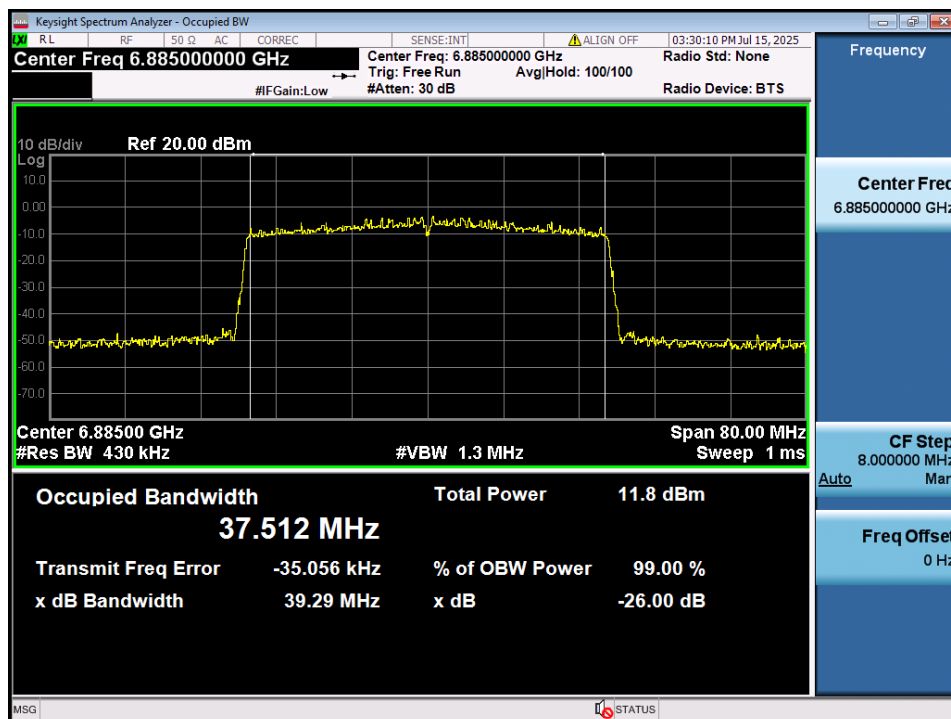
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 7 & 802.11ax(HE40) & 6845 MHz & 484T(65) & ANT1



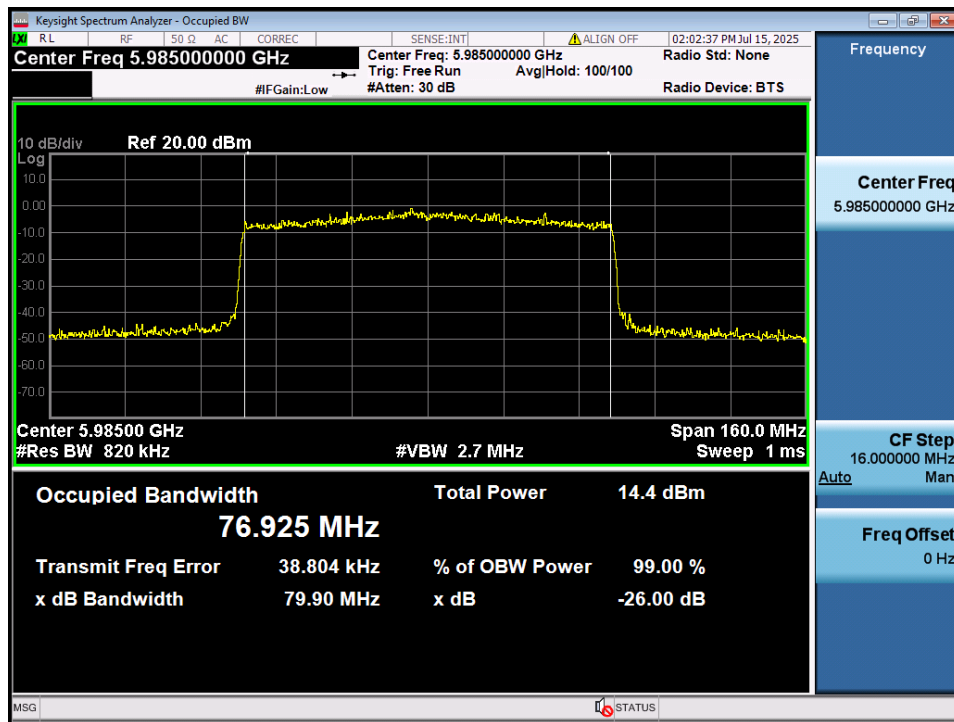
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 8 & 802.11ax(HE40) & 6885 MHz & 484T(65) & ANT1



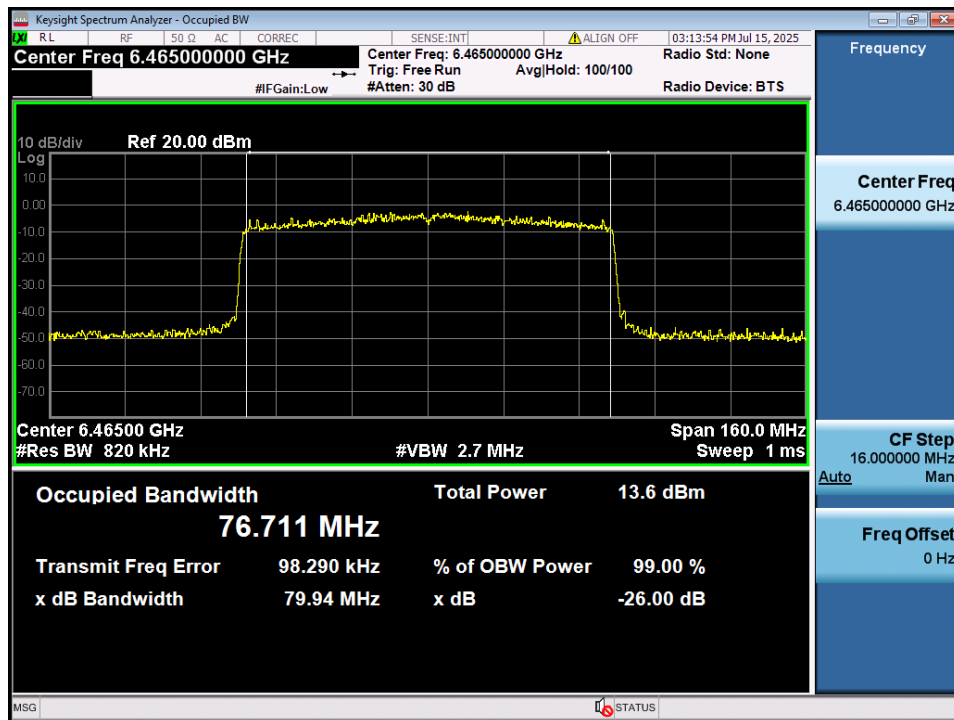
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 5 & 802.11ax(HE80) & 5985 MHz & 996T(67) & ANT1



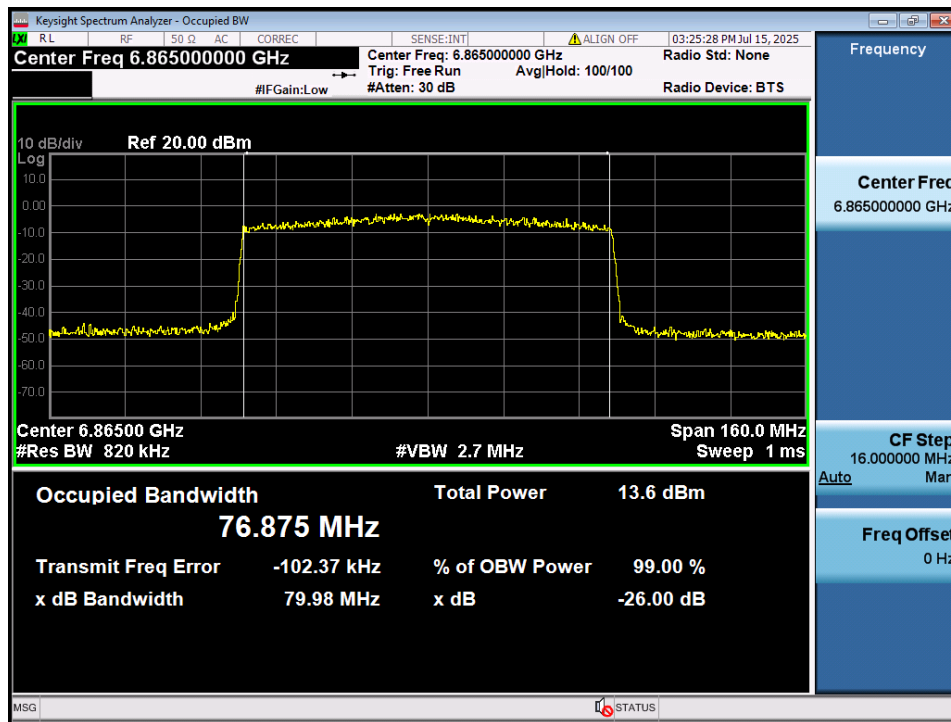
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 6 & 802.11ax(HE80) & 6465 MHz & 996T(67) & ANT1



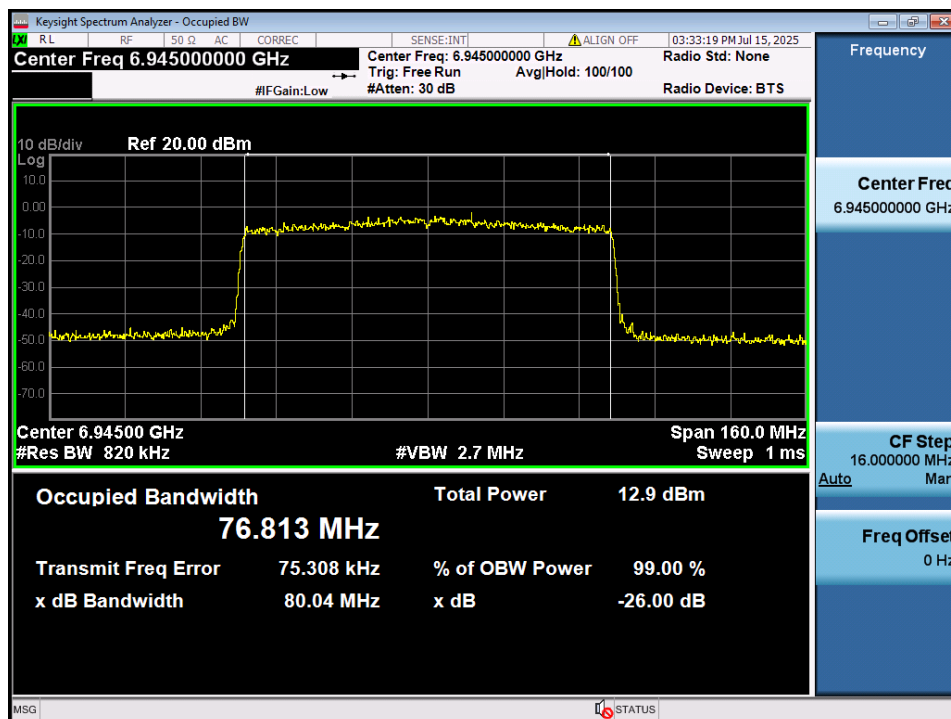
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 7 & 802.11ax(HE80) & 6865 MHz & 996T(67) & ANT1



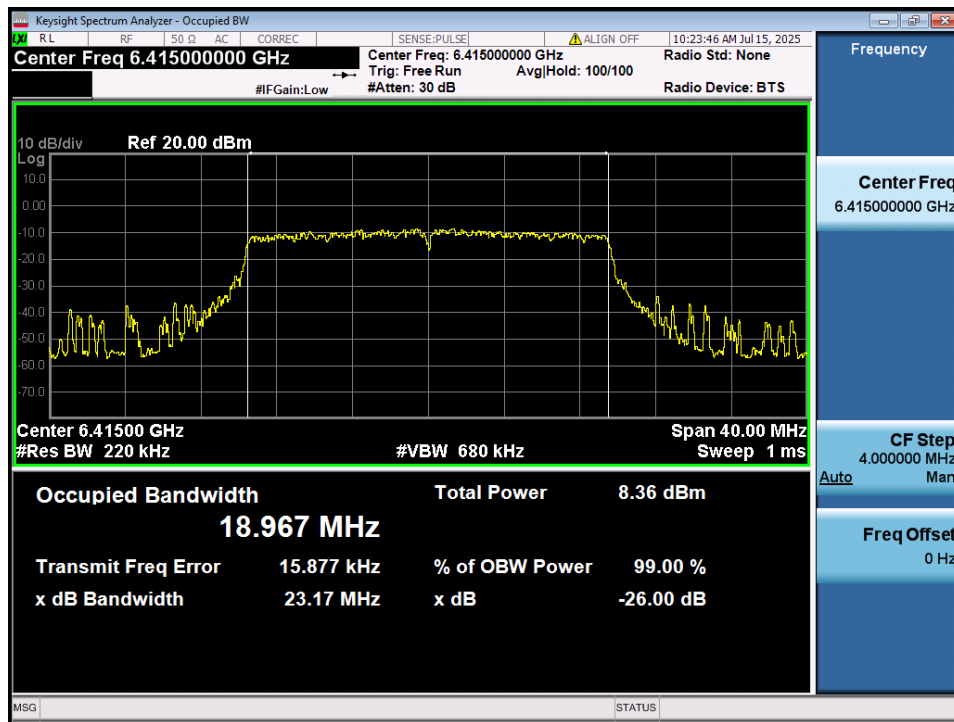
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 8 & 802.11ax(HE80) & 6945 MHz & 996T(67) & ANT1



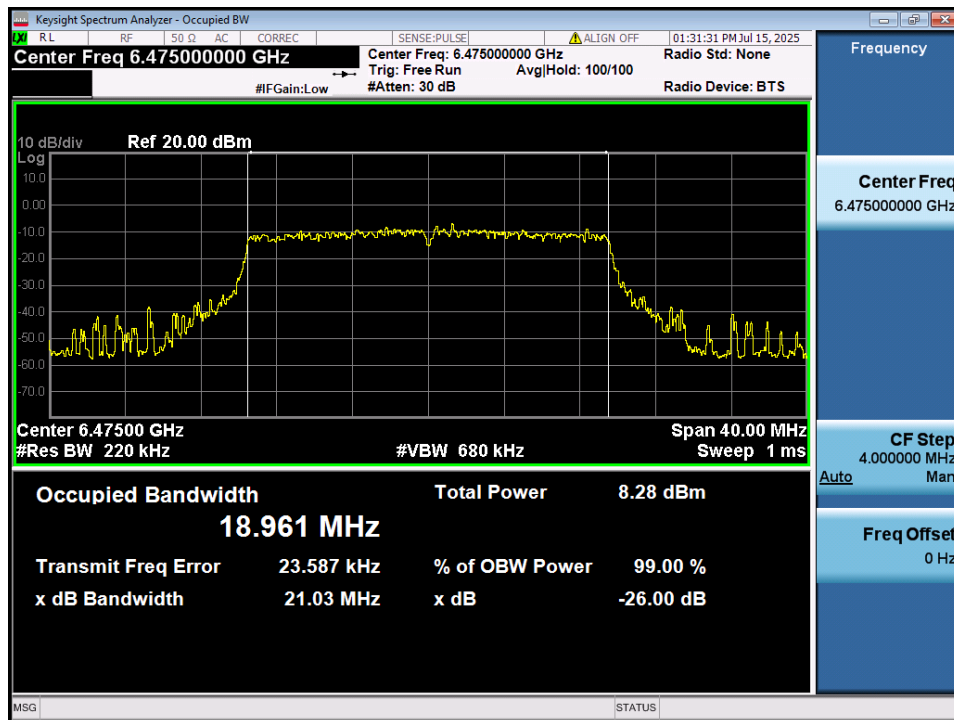
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 5 & 802.11ax(HE20) & 6415 MHz & 242T(61) & ANT2



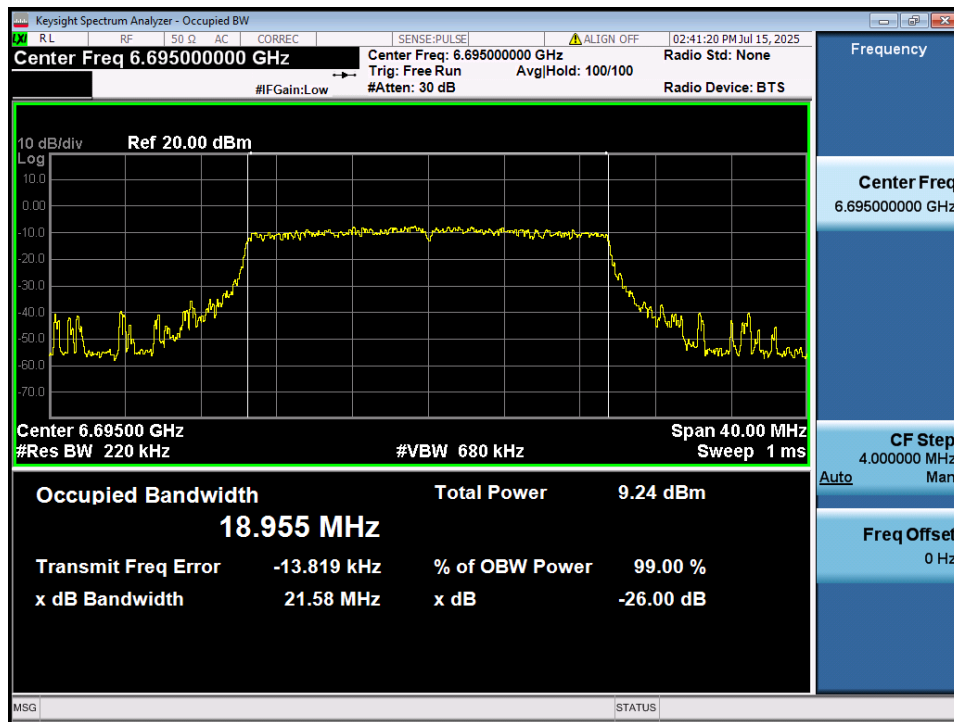
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 6 & 802.11ax(HE20) & 6475 MHz & 242T(61) & ANT2



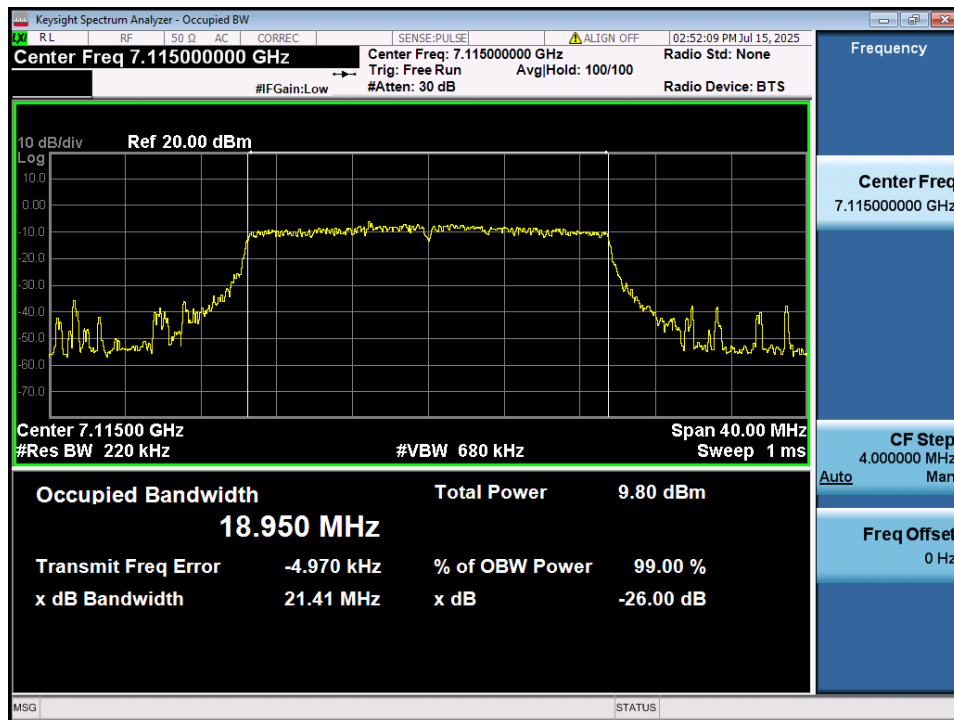
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 7 & 802.11ax(HE20) & 6695 MHz & 242T(61) & ANT2



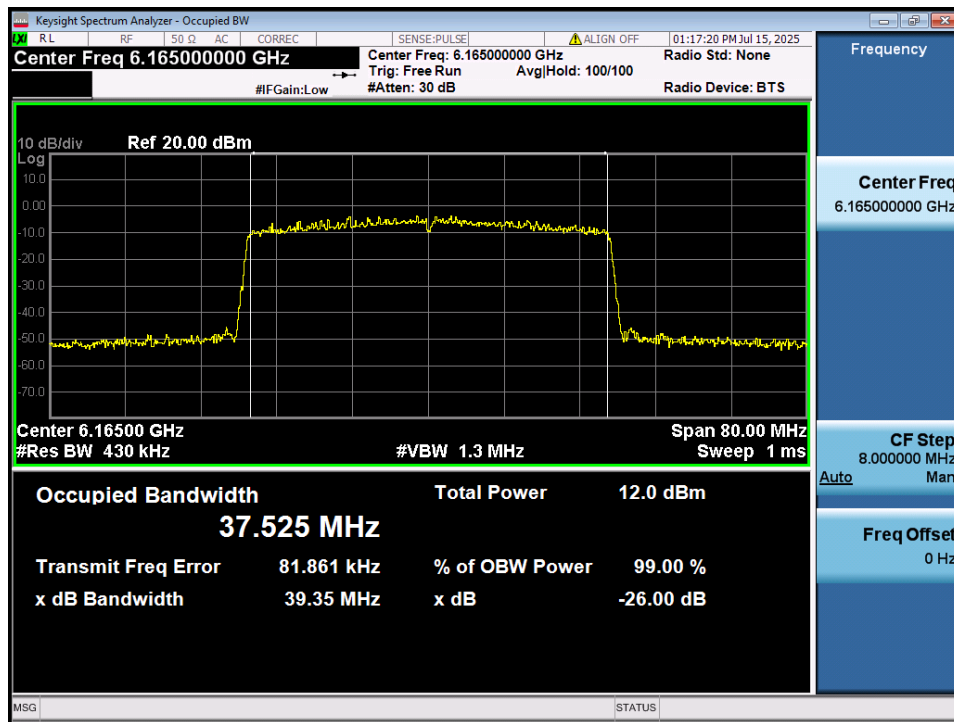
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 8 & 802.11ax(HE20) & 7115 MHz & 242T(61) & ANT2



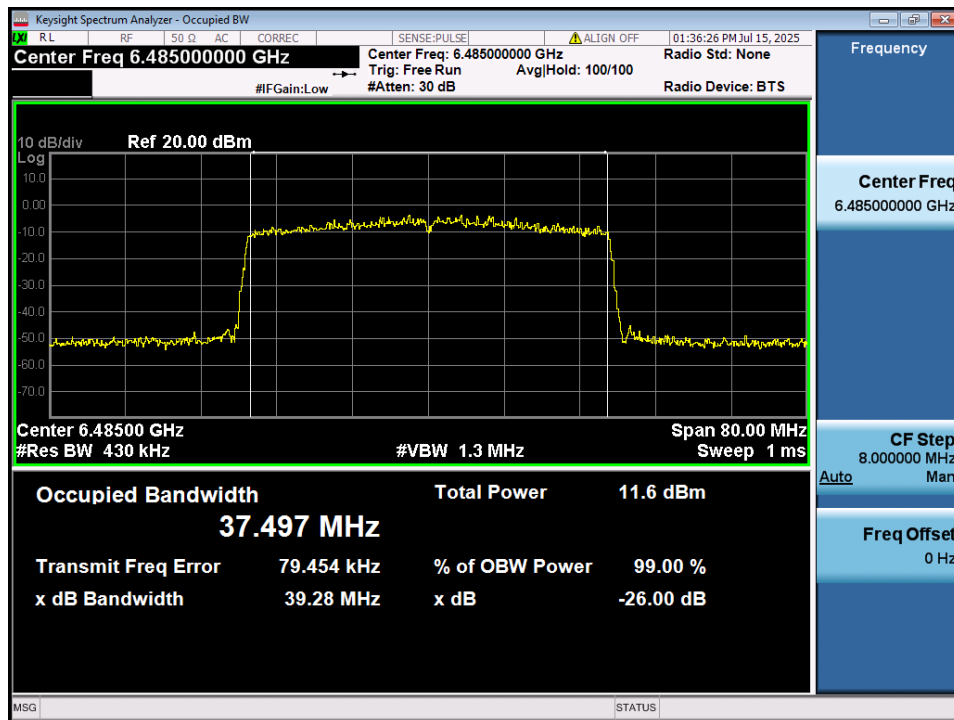
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 5 & 802.11ax(HE40) & 6165 MHz & 484T(65) & ANT2



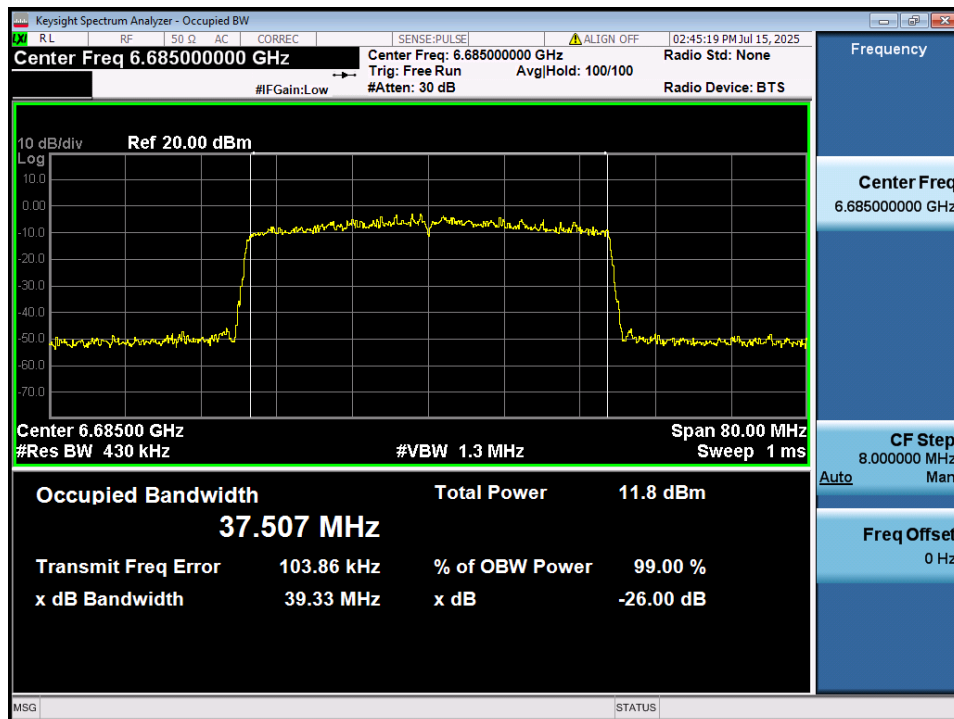
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 6 & 802.11ax(HE40) & 6485 MHz & 484T(65) & ANT2



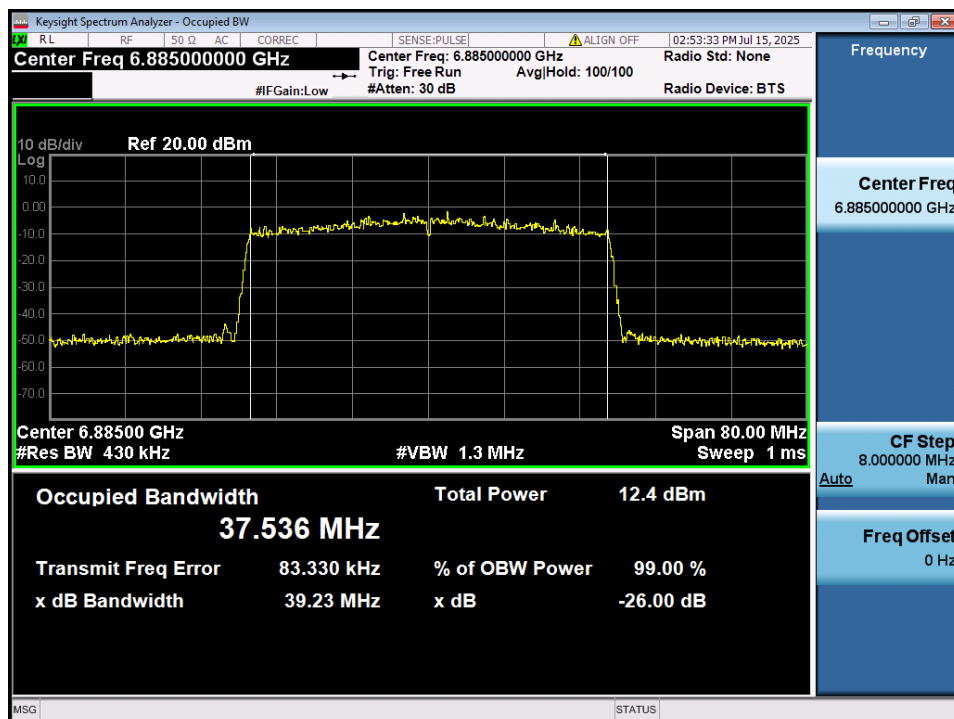
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 7 & 802.11ax(HE40) & 6685 MHz & 484T(65) & ANT2



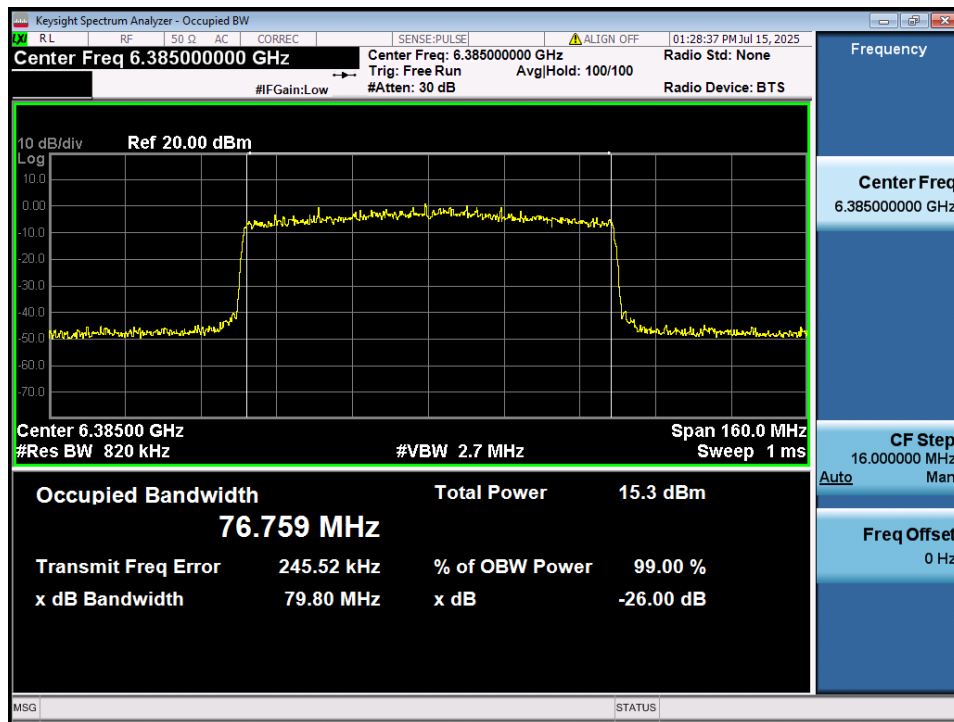
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 8 & 802.11ax(HE40) & 6885 MHz & 484T(65) & ANT2



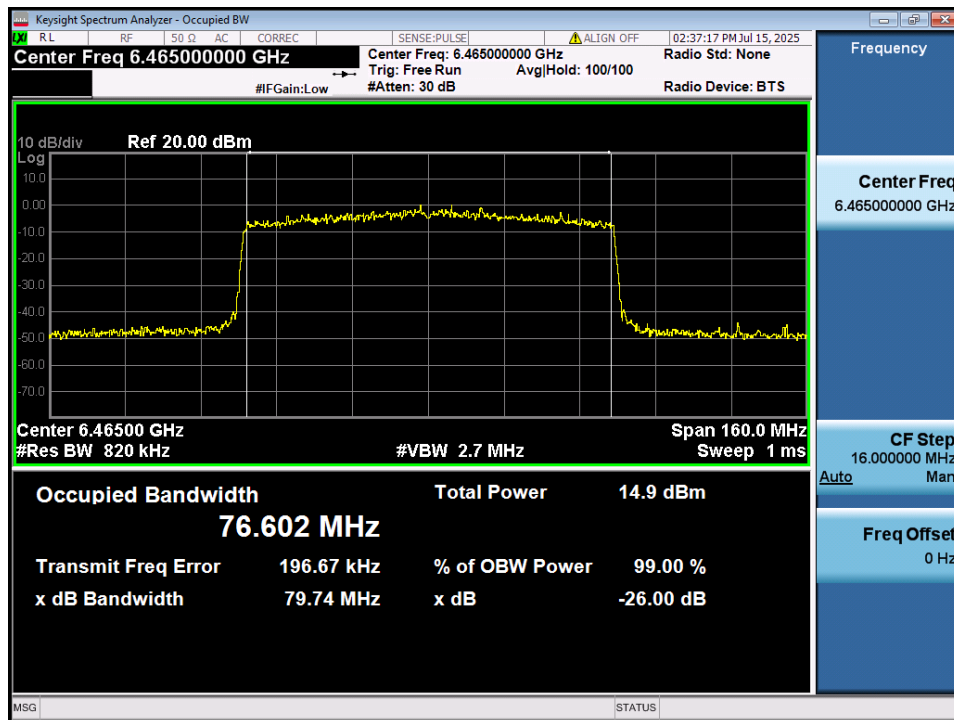
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 5 & 802.11ax(HE80) & 6385 MHz & 996T(67) & ANT2



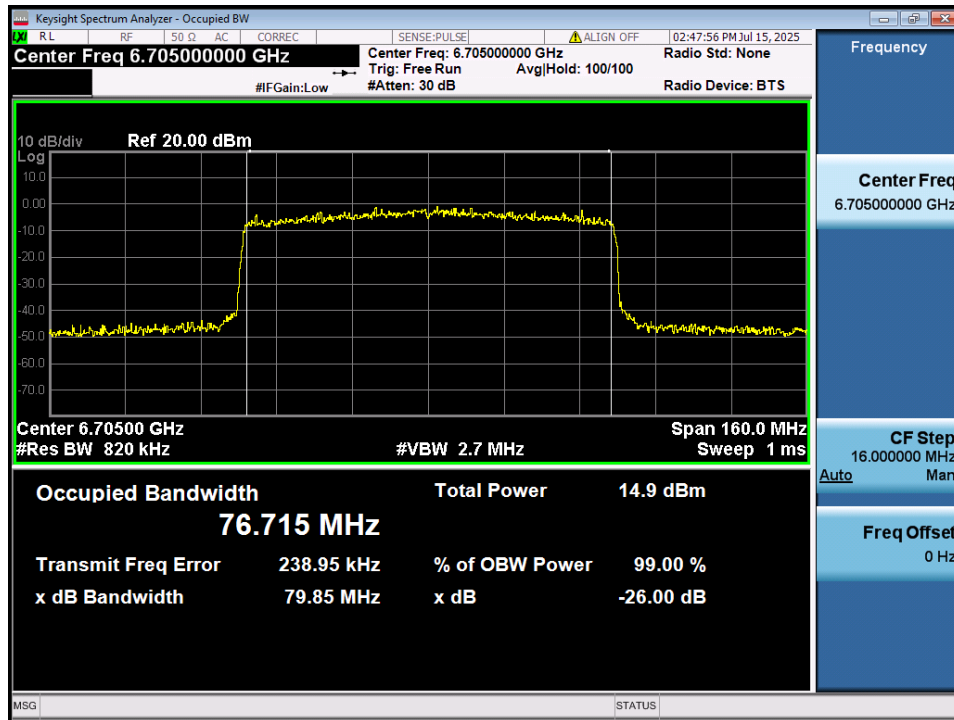
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 6 & 802.11ax(HE80) & 6465 MHz & 996T(67) & ANT2



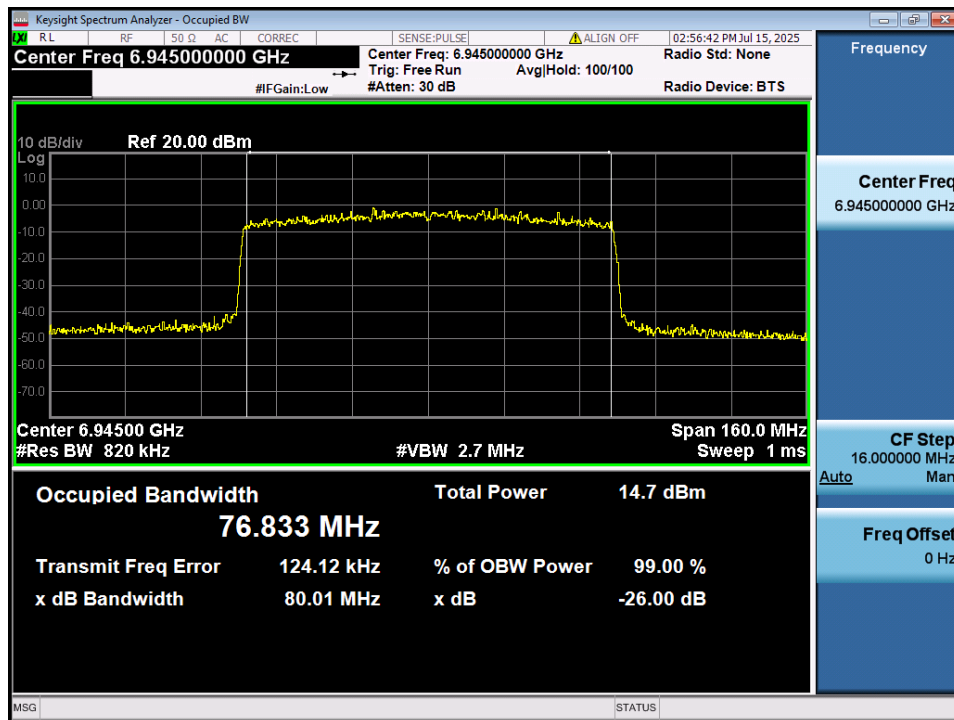
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 7 & 802.11ax(HE80) & 6705 MHz & 996T(67) & ANT2



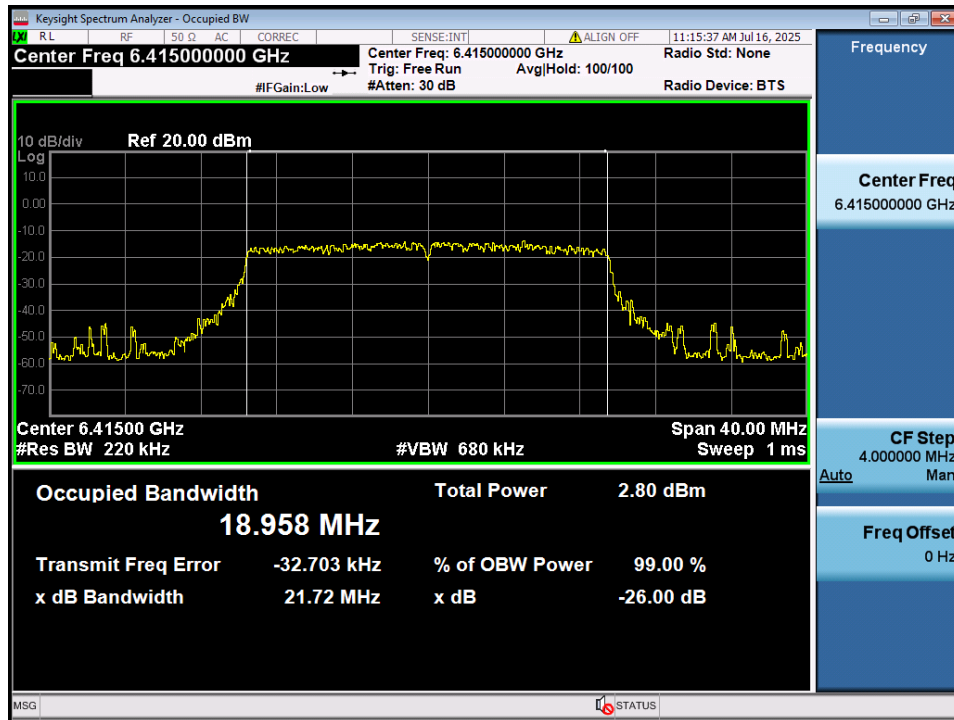
26 dB Bandwidth & Occupied BW

Test Mode: 6ID & U-NII 8 & 802.11ax(HE80) & 6945 MHz & 996T(67) & ANT2



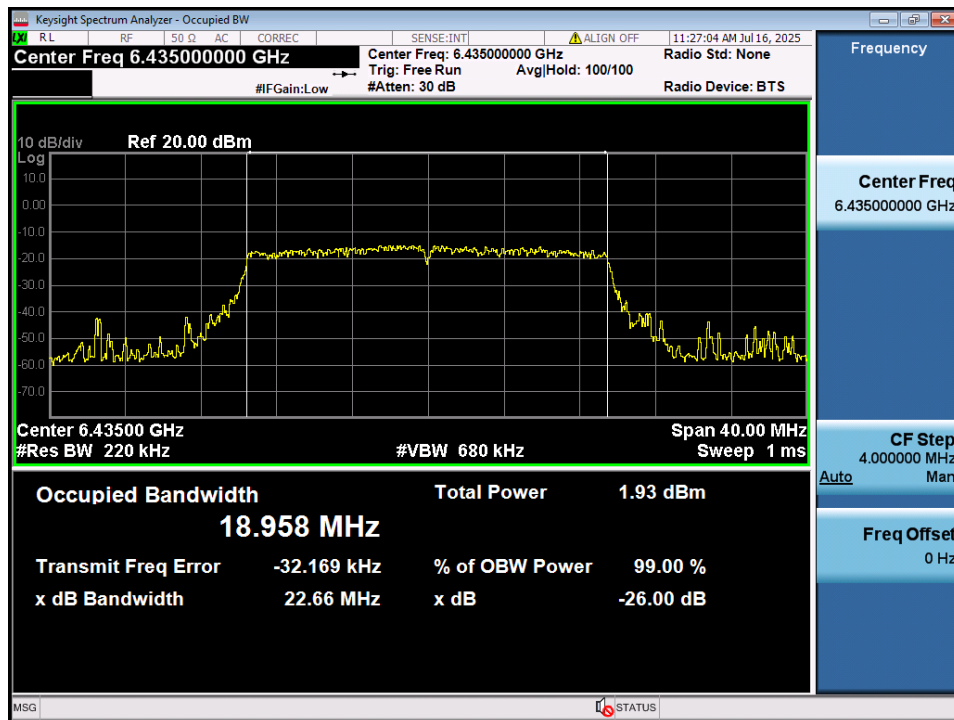
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 5 & 802.11ax(HE20) & 6415 MHz & 242T(61) & ANT1



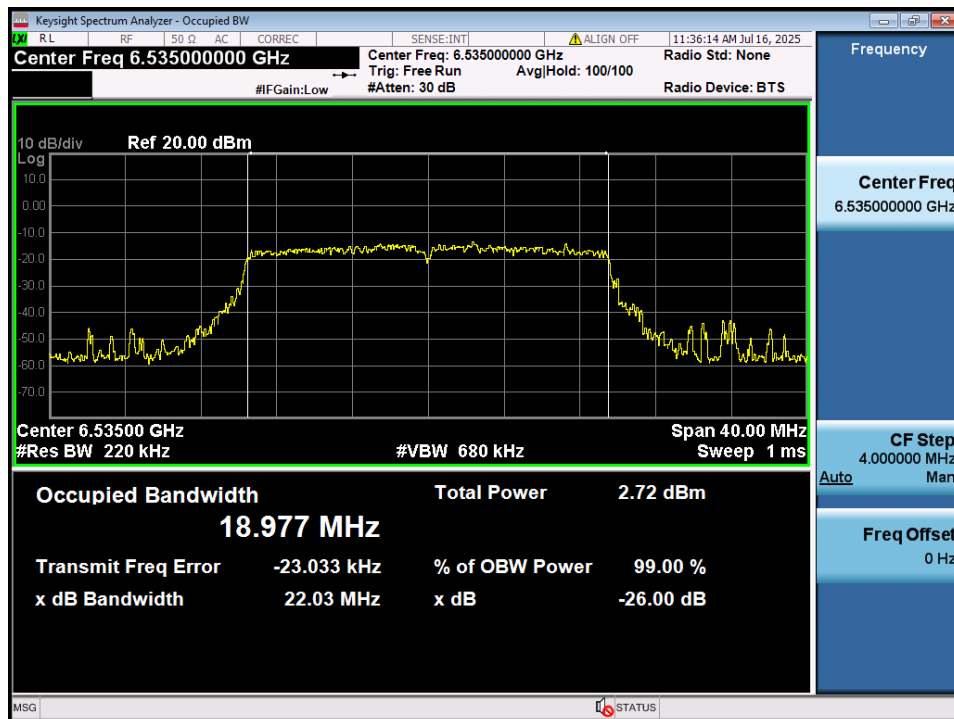
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 6 & 802.11ax(HE20) & 6435 MHz & 242T(61) & ANT1



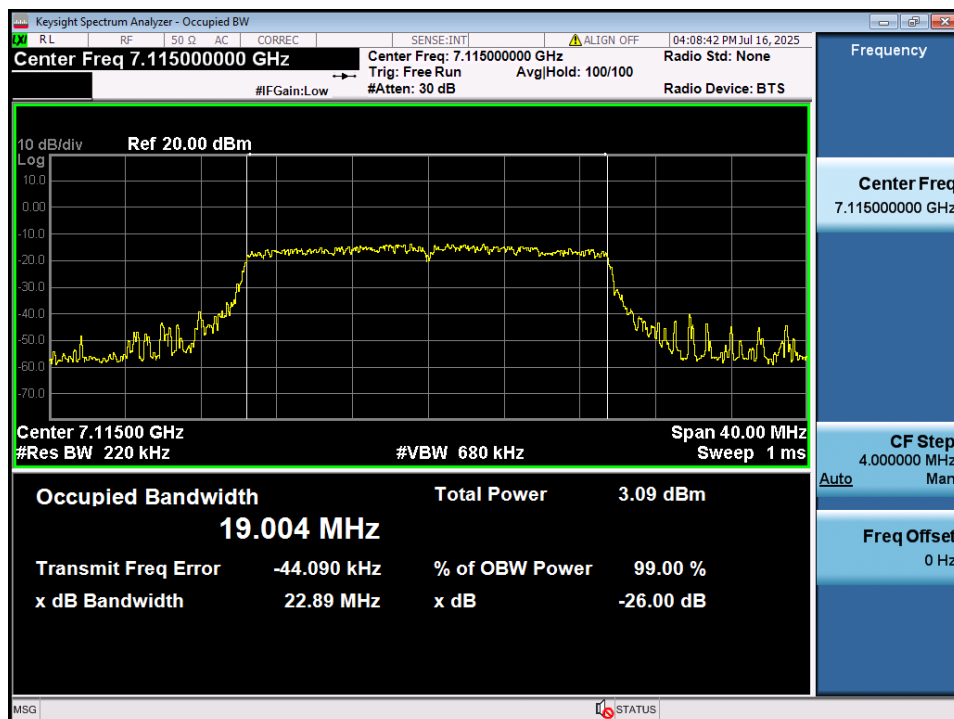
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 7 & 802.11ax(HE20) & 6535 MHz & 242T(61) & ANT1



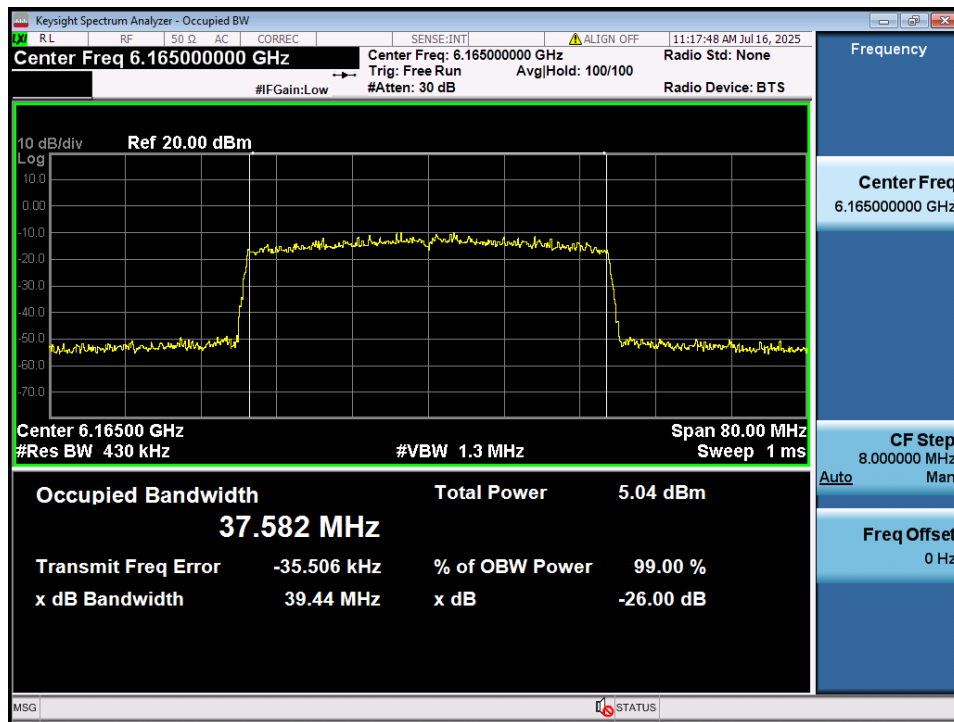
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 8 & 802.11ax(HE20) & 7115 MHz & 242T(61) & ANT1



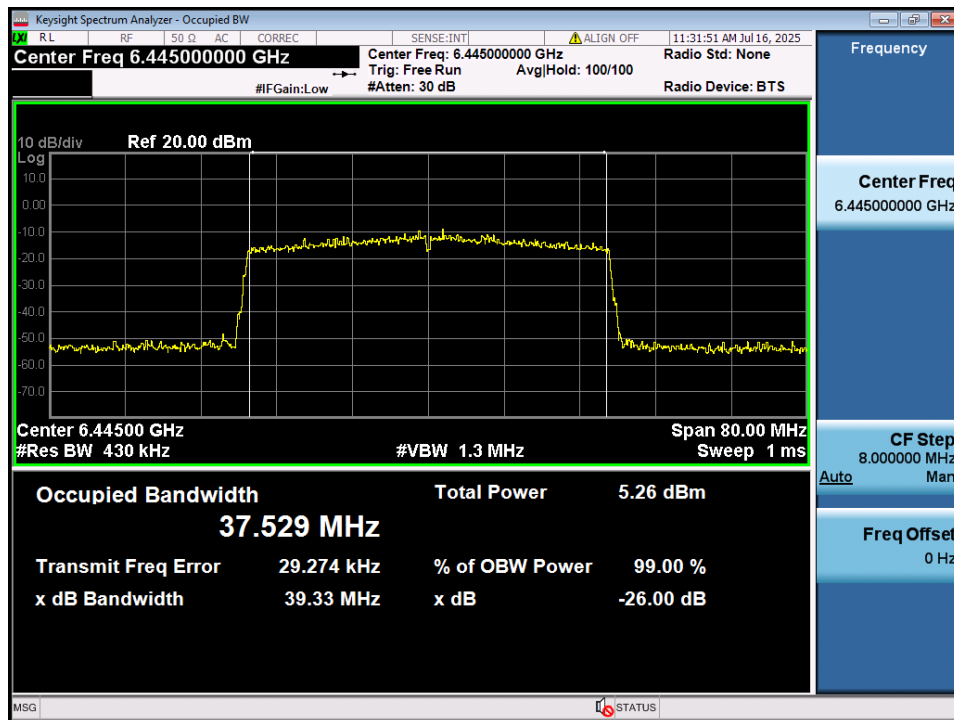
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 5 & 802.11ax(HE40) & 6165 MHz & 484T(65) & ANT1



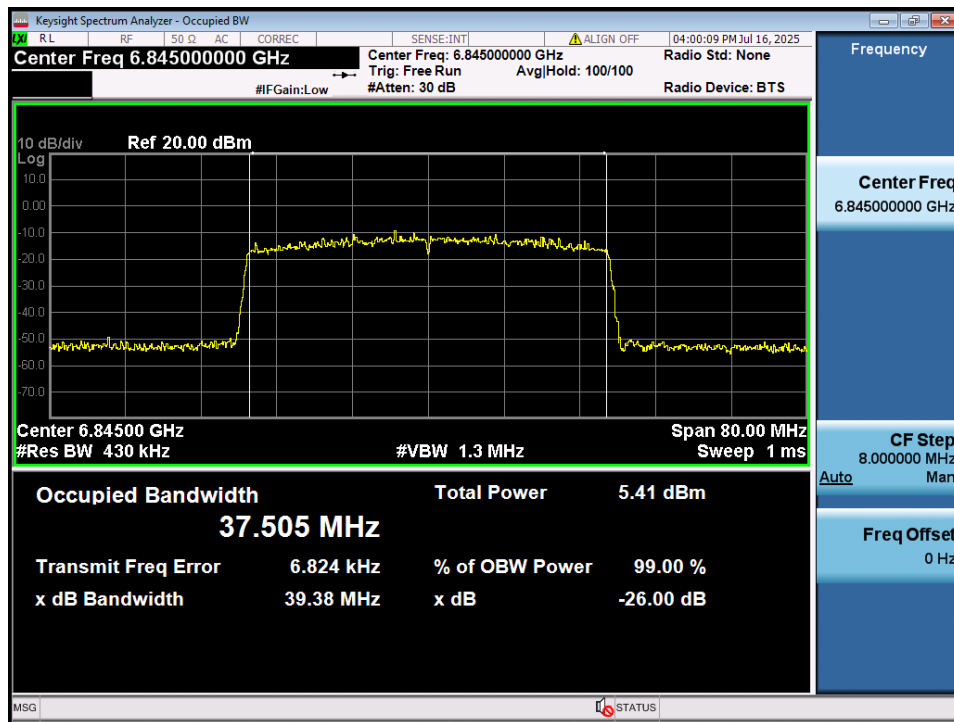
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 6 & 802.11ax(HE40) & 6445 MHz & 484T(65) & ANT1



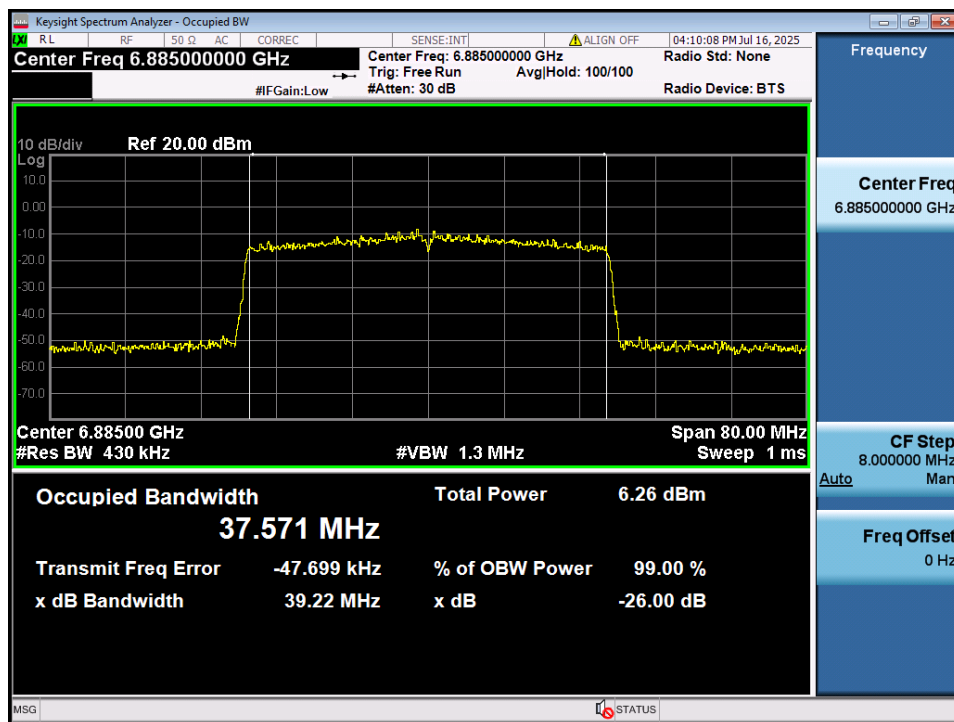
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 7 & 802.11ax(HE40) & 6845 MHz & 484T(65) & ANT1



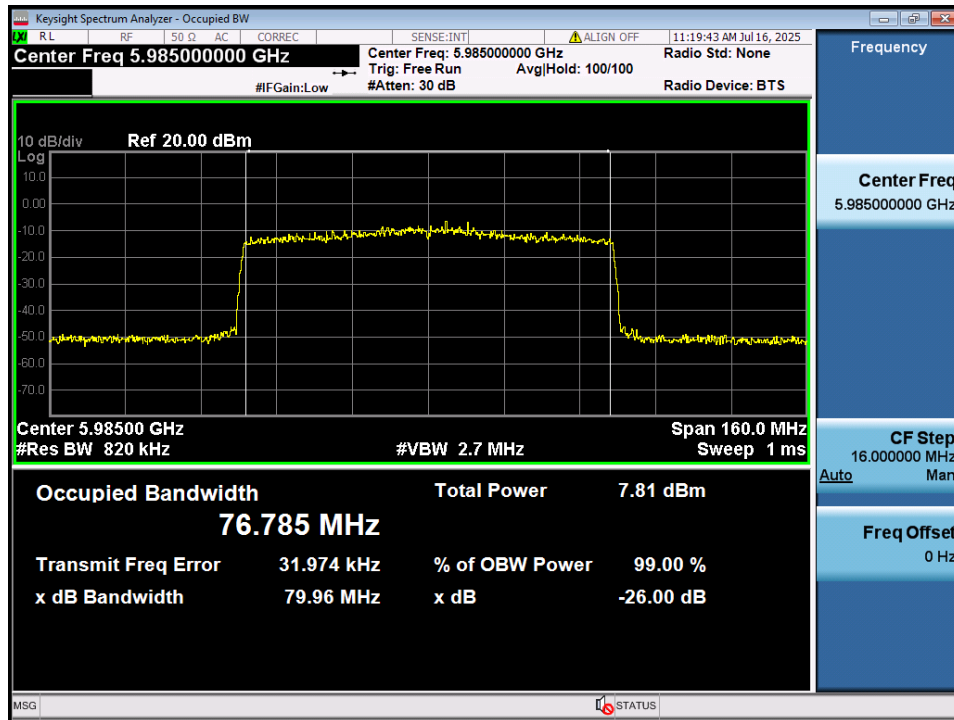
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 8 & 802.11ax(HE40) & 6885 MHz & 484T(65) & ANT1



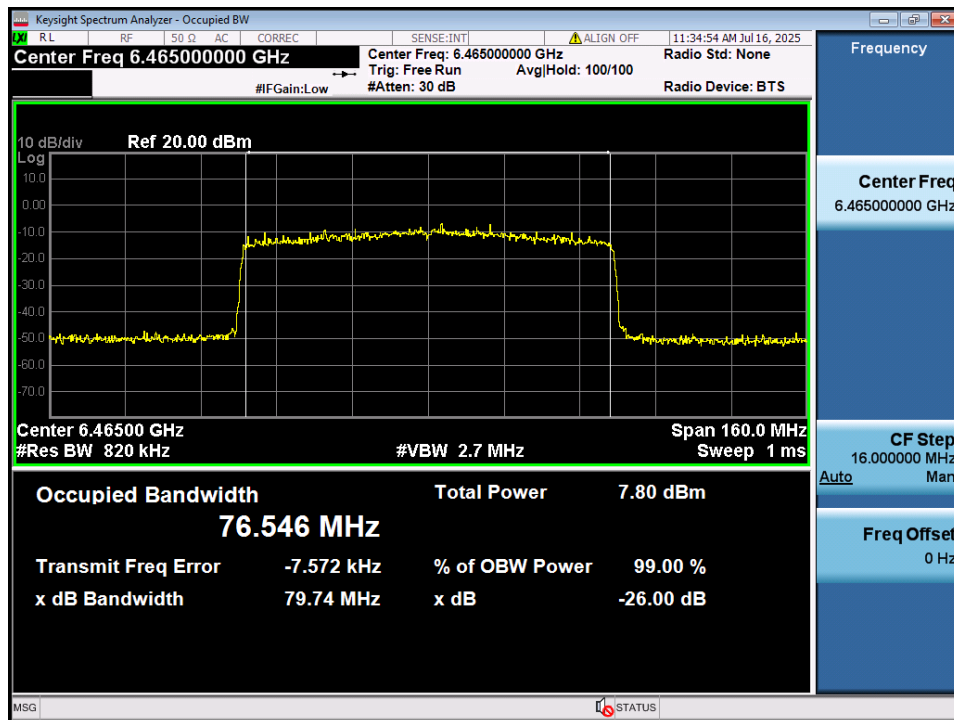
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 5 & 802.11ax(HE80) & 5985 MHz & 996T(67) & ANT1



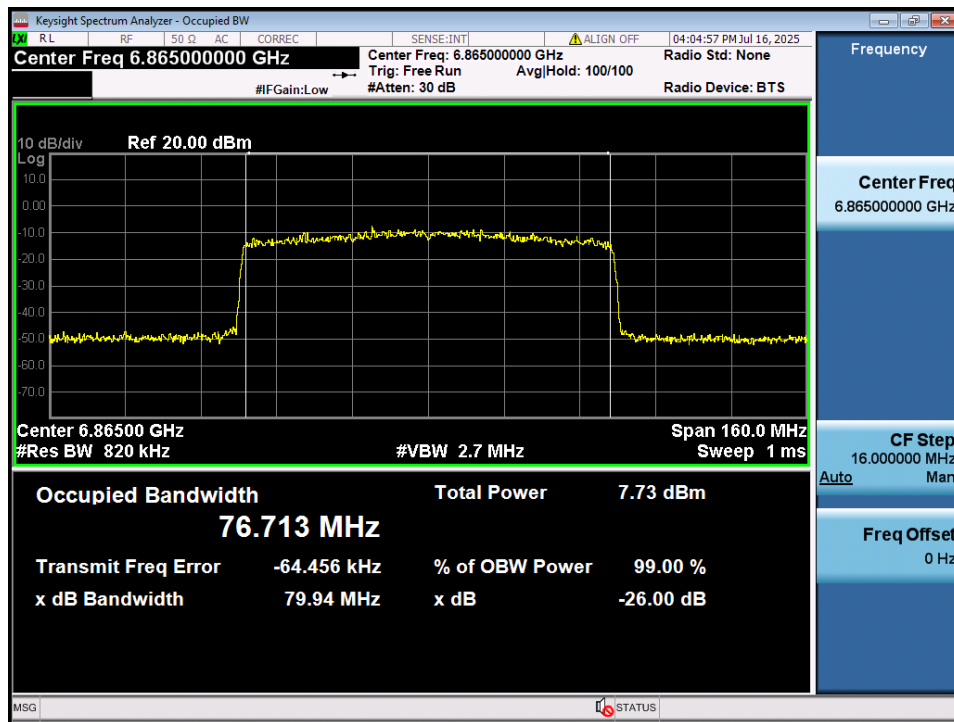
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 6 & 802.11ax(HE80) & 6465 MHz & 996T(67) & ANT1



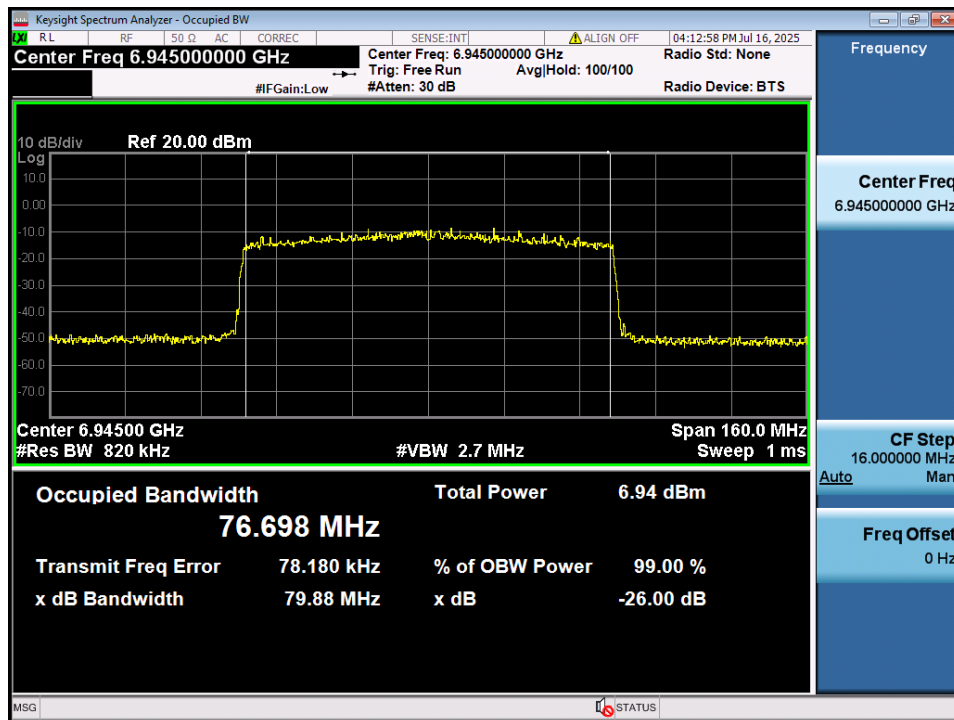
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 7 & 802.11ax(HE80) & 6865 MHz & 996T(67) & ANT1



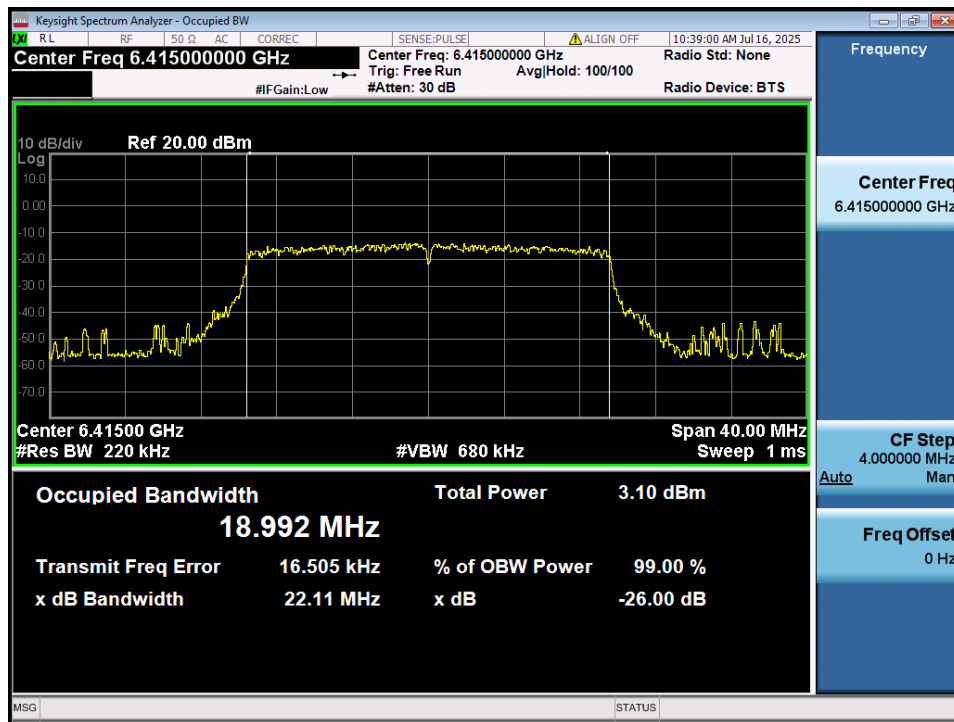
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 8 & 802.11ax(HE80) & 6945 MHz & 996T(67) & ANT1



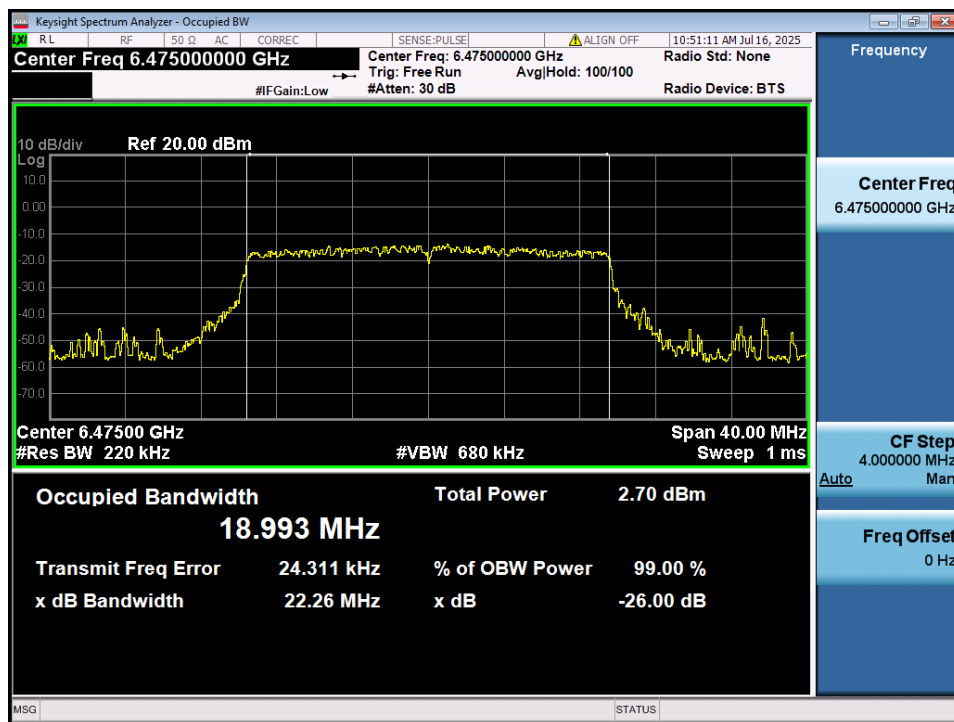
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 5 & 802.11ax(HE20) & 6415 MHz & 242T(61) & ANT2



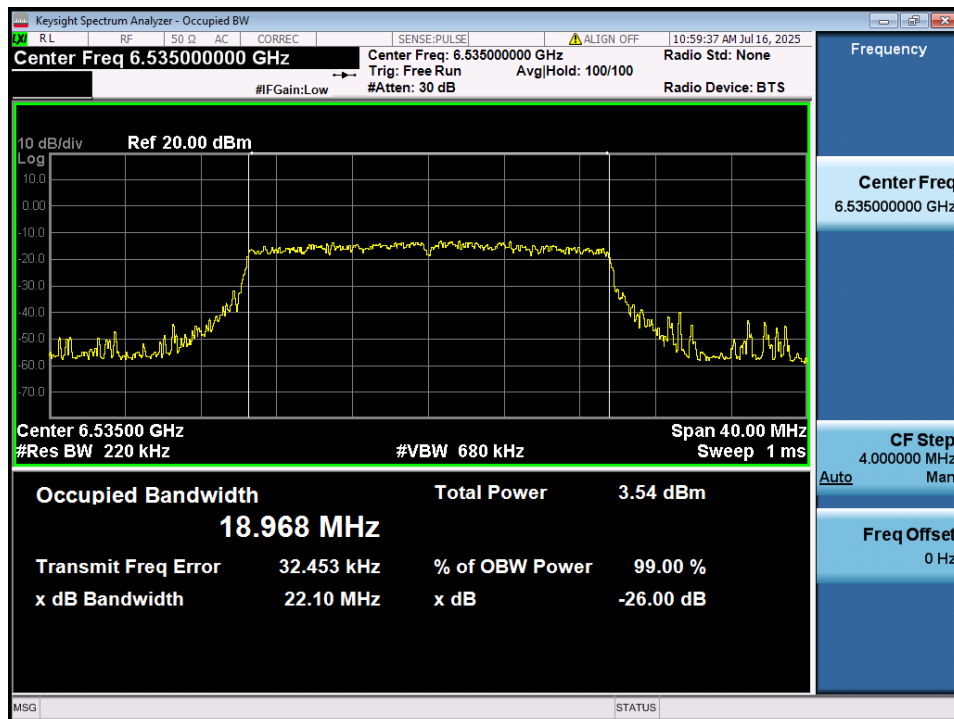
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 6 & 802.11ax(HE20) & 6475 MHz & 242T(61) & ANT2



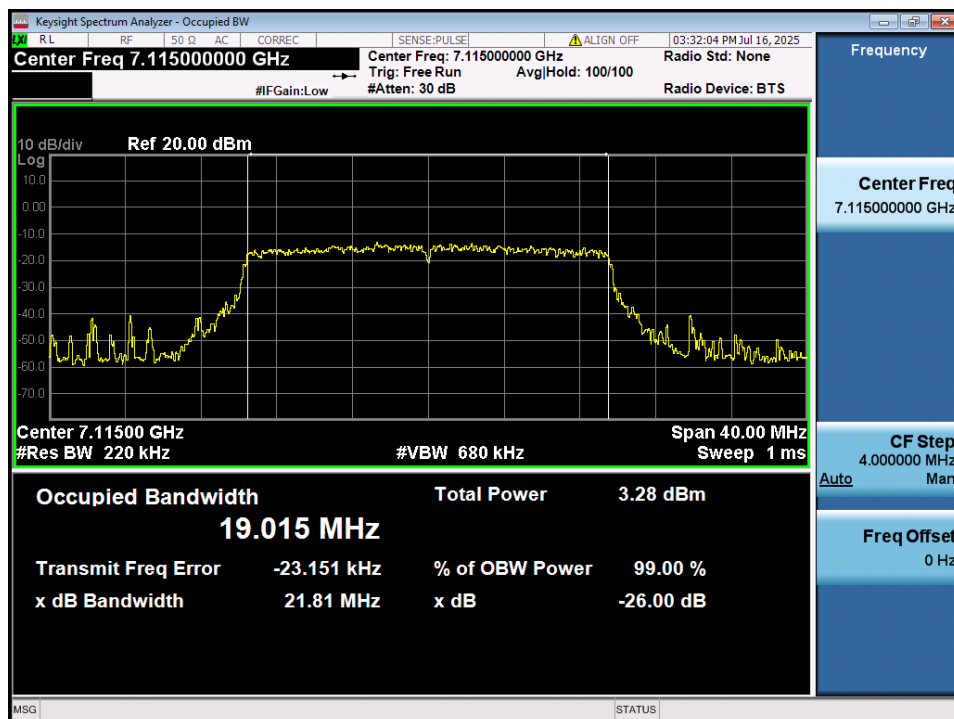
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 7 & 802.11ax(HE20) & 6535 MHz & 242T(61) & ANT2



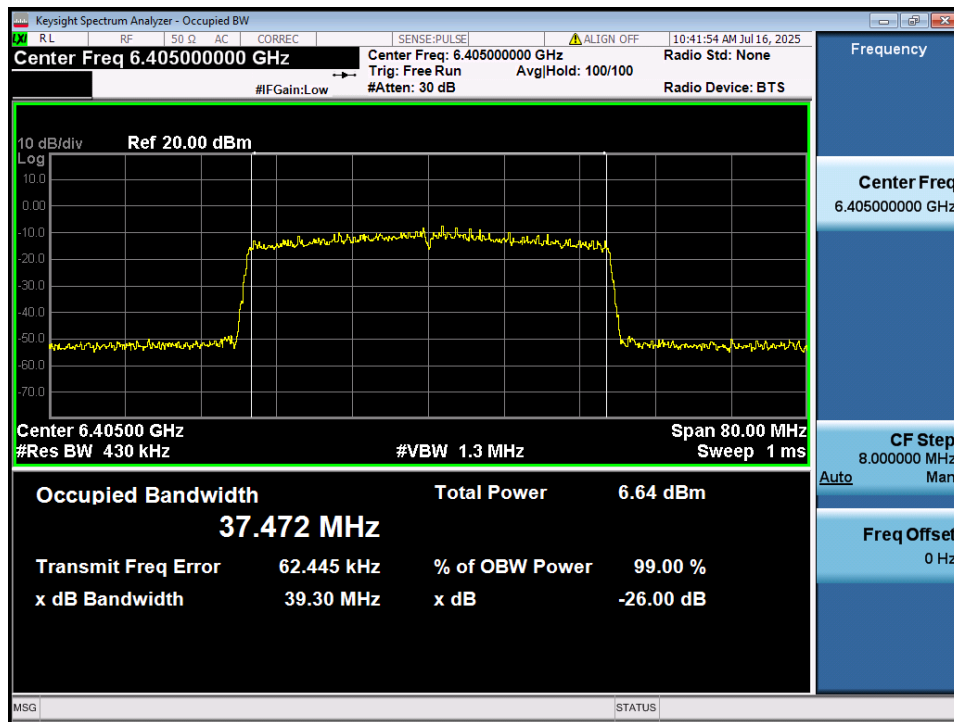
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 8 & 802.11ax(HE20) & 7115 MHz & 242T(61) & ANT2



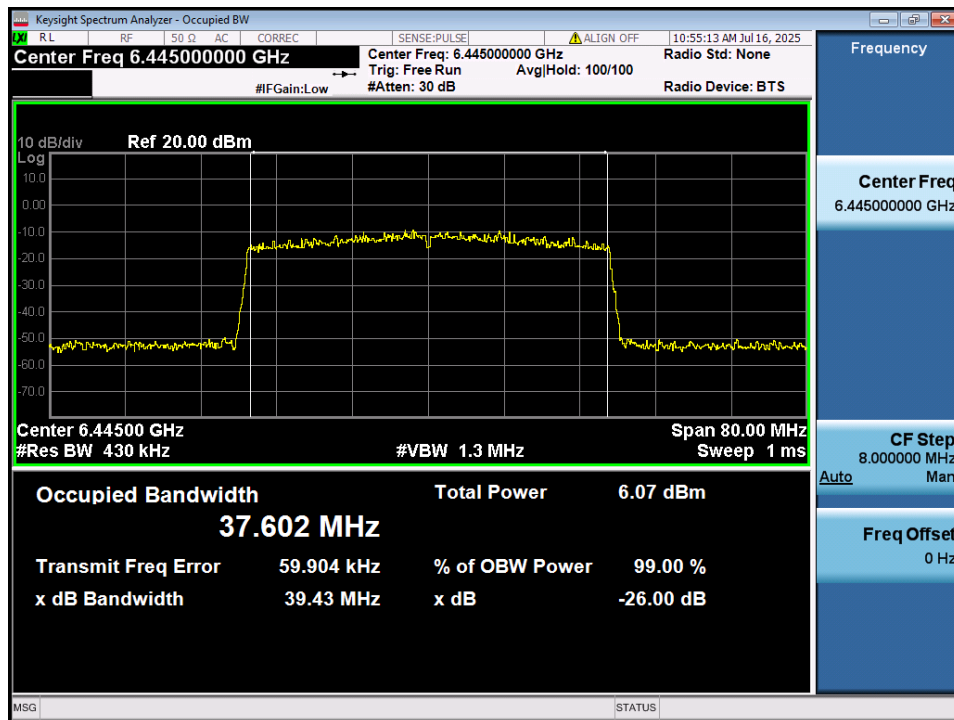
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 5 & 802.11ax(HE40) & 6405 MHz & 484T(65) & ANT2



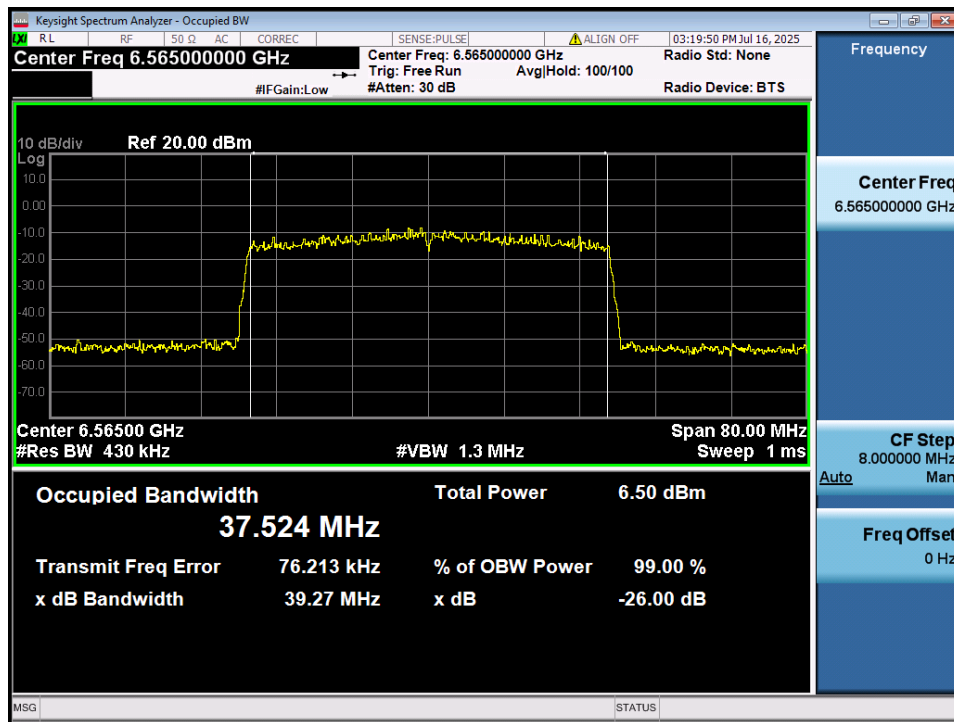
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 6 & 802.11ax(HE40) & 6445 MHz & 484T(65) & ANT2



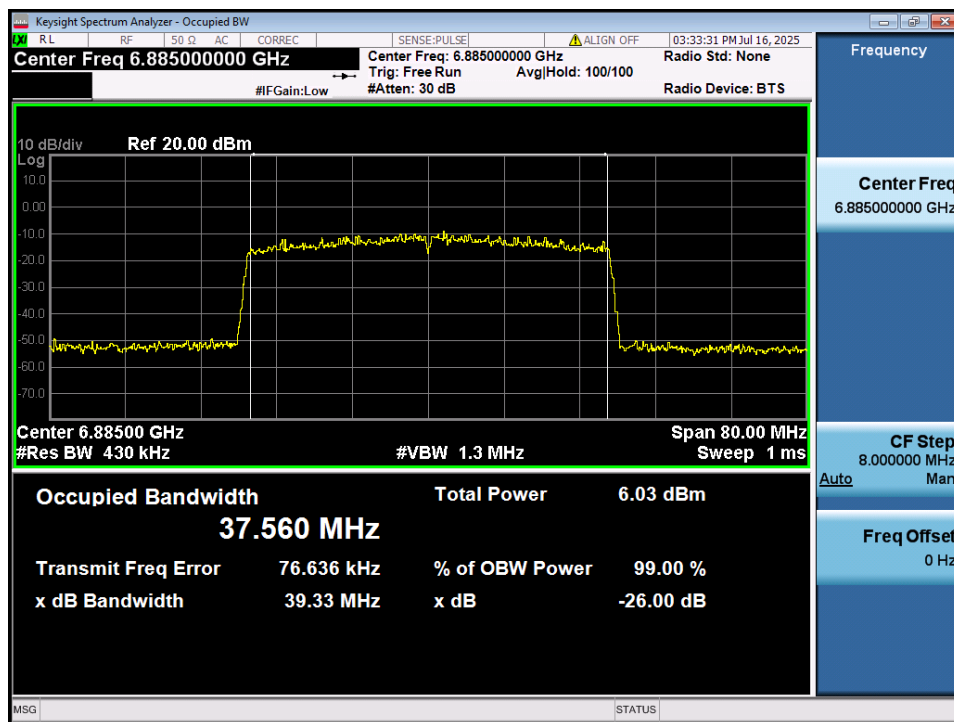
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 7 & 802.11ax(HE40) & 6565 MHz & 484T(65) & ANT2



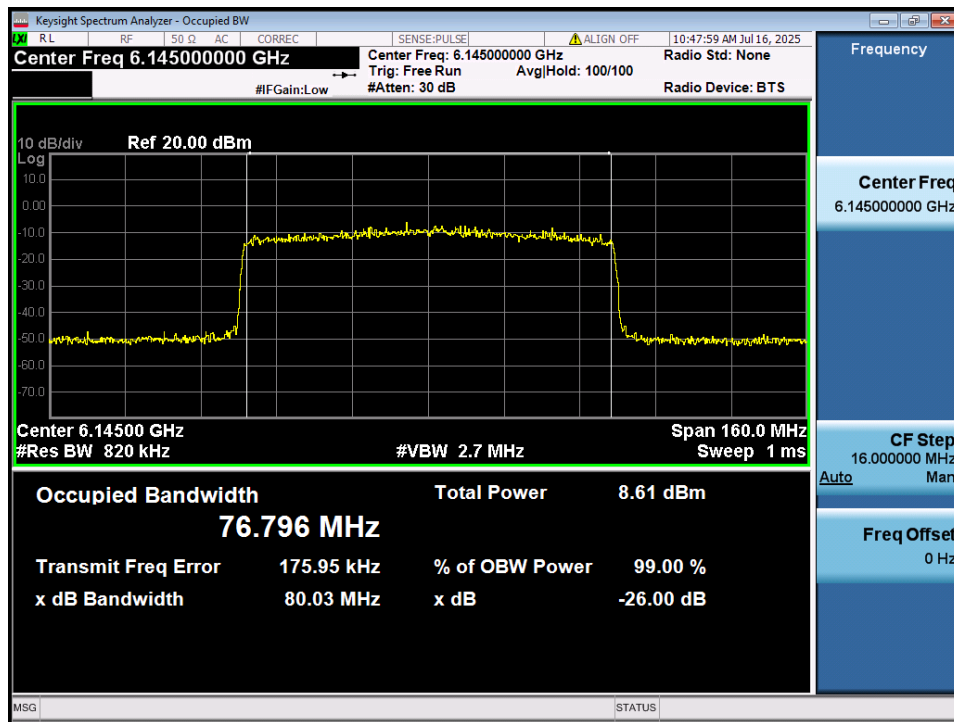
26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 8 & 802.11ax(HE40) & 6885 MHz & 484T(65) & ANT2



26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 5 & 802.11ax(HE80) & 6145 MHz & 996T(67) & ANT2



26 dB Bandwidth & Occupied BW

Test Mode: 6XD & U-NII 6 & 802.11ax(HE80) & 6465 MHz & 996T(67) & ANT2

