TEST REPORT

Dt&C

Dt&C Co., Ltd.

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Tel : 031-321-2664, Fax : 031-321-1664

1. Report No : DRTFCC2405-0061

2. Customer

- Name (FCC) : Point Mobile Co., LTD.

- Address (FCC) : B-9F Kabul Great Valley, 32, Digital-ro 9-gil, Geumcheon-gu, Seoul, South Korea, 08512

3. Use of Report : FCC Certification

4. Product Name / Model Name : MOBILE COMPUTER / PM95
   FCC ID : V2X-PM95

5. FCC Regulation(s): Part 15.407
   Test Method used: ANSI C63.10-2013, KDB789033 D02v02r01, KDB662911 D01v02r01

6. Date of Test : 2024.02.22 ~ 2024.05.16

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 Name : SeungMin Gil (Signature)	Technical Manager Name : JaeJin Lee (Signature)

2024 . 05 . 30 .

Dt&C Co., Ltd.

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

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Test Report Version

Test Report No.	Date	Description	Revised by	Reviewed by
DRTFCC2405-0061	May. 30, 2024	Initial issue	SeungMin Gil	JaeJin Lee

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1. General Information

1.1. Description of EUT

Equipment Class	Unlicensed National Information Infrastructure TX(NII)
Product Name	MOBILE COMPUTER
Model Name	PM95
Add Model Name	-
Firmware Version Identification Number	95.00xx
EUT Serial Number	Conducted: 4b486b0c, Radiated: 536a3c99
Power Supply	DC 3.87 V
Modulation Technique	OFDM
Antenna Specification	Antenna Type: LDS Antenna Antenna Gain: Refer to the clause 3 in test report

Band	Mode	Tx. frequency(MHz)	Max. conducted power(dBm)
U-NII 1	802.11a	5 180 ~ 5 240	16.55
	802.11n(HT20)	5 180 ~ 5 240	16.46
	802.11ac(VHT20)	5 180 ~ 5 240	16.38
	802.11n(HT40)	5 190 ~ 5 230	**17.46**
	802.11ac(VHT40)	5 190 ~ 5 230	17.19
	802.11ac(VHT80)	5 210	16.71
U-NII 2A	802.11a	5 260 ~ 5 320	16.49
	802.11n(HT20)	5 260 ~ 5 320	16.13
	802.11ac(VHT20)	5 260 ~ 5 320	16.10
	802.11n(HT40)	5 270 ~ 5 310	**17.46**
	802.11ac(VHT40)	5 270 ~ 5 310	17.04
	802.11ac(VHT80)	5 290	16.63
U-NII 2C	802.11a	5 500 ~ 5 720	15.94
	802.11n(HT20)	5 500 ~ 5 720	15.78
	802.11ac(VHT20)	5 500 ~ 5 720	15.72
	802.11n(HT40)	5 510 ~ 5 710	**16.91**
	802.11ac(VHT40)	5 510 ~ 5 710	16.81
	802.11ac(VHT80)	5 530 ~ 5 690	16.31
U-NII 3	802.11a	5 745 ~ 5 825	15.33
	802.11n(HT20)	5 745 ~ 5 825	15.11
	802.11ac(VHT20)	5 745 ~ 5 825	14.99
	802.11n(HT40)	5 755 ~ 5 795	**16.64**
	802.11ac(VHT40)	5 755 ~ 5 795	16.24
	802.11ac(VHT80)	5 775	15.75
U-NII 1, 2A	802.11ac(VHT160)	5 250	16.11
U-NII 2C	802.11ac(VHT160)	5 570	16.43

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1.2. Declaration by the applicant / manufacturer

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 according to ANSI C63.4-2014. **- FCC & IC MRA Designation No. : KR0034** **- ISED#: 5740A**		
www.dtnc.net		
Telephone	:	+ 82-31-321-2664
FAX	:	+ 82-31-321-1664

1.4. Testing Environment

Ambient Condition	
▪ Temperature	+21 ℃ ~ +23 ℃
▪ Relative Humidity	+38 % ~ +42 %

1.5. Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with requirements of ANSI C63.4-2014 and ANSI C63.10-2013. 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)	4.8 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)	5.7 dB (The confidence level is about 95 %, k = 2)

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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	23/12/15	24/12/15	MY50410272
Spectrum Analyzer	KEYSIGHT	N9020A	23/12/15	24/12/15	MY52440526
Spectrum Analyzer	Agilent Technologies	N9020A	23/06/23	24/06/23	US47360812
Spectrum Analyzer	Agilent Technologies	N9020A	23/12/15	24/12/15	MY50110097
Spectrum Analyzer	KEYSIGHT	N9030B	23/12/15	24/12/15	MY55480168
DC Power Supply	Agilent Technologies	66332A	23/12/15	24/12/15	66332A _220926-1
Multimeter	FLUKE	17B+	23/12/15	24/12/15	36390701WS
Signal Generator	Rohde Schwarz	SMBV100A	23/12/15	24/12/15	255571
Signal Generator	ANRITSU	MG3695C	23/12/15	24/12/15	173501
Thermohygrometer	BODYCOM	BJ5478	23/12/15	24/12/15	120612-1
Thermohygrometer	BODYCOM	BJ5478	23/12/15	24/12/15	090205-4
Thermohygrometer	BODYCOM	BJ5478	23/06/23	24/06/23	N/A
Loop Antenna	ETS-Lindgren	6502	23/11/09	24/11/09	00060496
Hybrid Antenna	Schwarzbeck	VULB 9160	23/12/15	24/12/15	3362
Horn Antenna	ETS-Lindgren	3117	23/06/23	24/06/23	00143278
Horn Antenna	A.H.Systems Inc.	SAS-574	23/06/23	24/06/23	155
PreAmplifier	tsj	MLA-0118-B01-40	23/12/15	24/12/15	1852267
PreAmplifier	tsj	MLA-1840-J02-45	23/06/23	24/06/23	16966-10728
PreAmplifier	H.P	8447D	23/12/15	24/12/15	2944A07774
High Pass Filter	Wainwright Instruments	WHKX12-935-1000-15000-40SS	23/06/23	24/06/23	8
High Pass Filter	Wainwright Instruments	WHKX10-2838-3300-18000-60SS	23/06/23	24/06/23	1
High Pass Filter	Wainwright Instruments	WHNX8.0/26.5-6SS	23/06/23	24/06/23	3
Attenuator	Hefei Shunze	SS5T2.92-10-40	23/06/23	24/06/23	16012202
Attenuator	Aeroflex/Weinschel	56-3	23/06/23	24/06/23	Y2370
Attenuator	SMAJK	SMAJK-2-3	23/06/23	24/06/23	3
Attenuator	SMAJK	SMAJK-2-3	23/06/23	24/06/23	2
Attenuator	Aeroflex/Weinschel	86-10-11	23/06/23	24/06/23	408
Attenuator	Aeroflex/Weinschel	86-20-11	23/06/23	24/06/23	432
Power Meter & Wide Bandwidth Sensor	Anritsu	ML2496A MA2490A MA2411B	23/12/15	24/12/15	1338004 1249303 1911481
EMI Test Receiver	Rohde Schwarz	ESCI7	24/01/29	25/01/29	100910
PULSE LIMITER	Rohde Schwarz	ESH3-Z2	23/08/21	24/08/21	101333
LISN	Schwarzbeck	NSLK 8128 RC	23/10/26	24/10/26	8128 RC-387
Digital Thermo Hygrometer	CAS	TE-303N	24/02/07	25/02/07	220502531
Cable	DT&C	Cable	24/01/03	25/01/03	G-2
Cable	HUBER+SUHNER	SUCOFLEX 100	24/01/03	25/01/03	G-3
Cable	DT&C	Cable	24/01/03	25/01/03	G-4
Cable	OMT	YSS21S	24/01/03	25/01/03	G-5
Cable	Junkosha	MWX241	24/01/03	25/01/03	mmW-1
Cable	Junkosha	MWX241	24/01/03	25/01/03	mmW-4
Cable	HUBER+SUHNER	SUCOFLEX100	24/01/03	25/01/03	M-1
Cable	HUBER+SUHNER	SUCOFLEX100	24/01/03	25/01/03	M-2
Cable	JUNKOSHA	MWX241/B	24/01/03	25/01/03	M-3
Cable	JUNKOSHA	J12J101757-00	24/01/03	25/01/03	M-7
Cable	HUBER+SUHNER	SUCOFLEX106	24/01/03	25/01/03	M-9
Cable	Dt&C	Cable	24/01/03	25/01/03	RFC-69
Test Software	tsj	Radiated Emission Measurement	NA	NA	Version 2.00.0185
Test Software	tsj	Noise Terminal Measurement	NA	NA	Version 2.00.0190

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.

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2. Test Methodology

The measurement procedures described in the ANSI C63.10-2013 and the guidance provided in KDB789033 D02v02r01 were used in measurement of the EUT.

The EUT was tested per the guidance of KDB789033 D02v02r01. And ANSI C63.10-2013 was used to reference appropriate EUT setup and maximizing procedures of radiated spurious emission and AC line conducted emission testing.

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

The power-line conducted emission test procedure is not described on the KDB789033 D02v02r01.

So this test was fulfilled with the requirements in Section 6.2 of ANSI C63.10-2013.

The EUT is placed on the wooden 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

Basically the radiated tests were performed with KDB789033 D02v02r01. But some requirements and procedures like test site requirements, EUT setup and maximizing procedure were fulfilled with the requirements in Section 5 and 6 of the ANSI C63.10-2013 as stated on KDB789033 D02v02r01.

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 1 m or 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.

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.

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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.

Transmitting Configuration of EUT

Mode	SISO		MIMO (CDD)	MIMO (SDM)
	Ant 1	Ant 2	Ant 1 & 2	Ant 1 & 2
	Data rate			
802.11a	6 ~ 54 Mbps	6 ~ 54 Mbps	6 ~ 54 Mbps	-
802.11n(HT20)	MCS 0 ~ 7	MCS 0 ~ 7	MCS 0 ~ 7	MCS 8 ~ 15
802.11ac(VHT20)	MCS 0 ~ 8(1SS)	MCS 0 ~ 8(1SS)	MCS 0 ~ 8(1SS)	MCS 0 ~ 8(2SS)
802.11n(HT40)	MCS 0 ~ 7	MCS 0 ~ 7	MCS 0 ~ 7	MCS 8 ~ 15
802.11ac(VHT40)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(2SS)
802.11ac(VHT80)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(2SS)
802.11ac(VHT160)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(1SS)	MCS 0 ~ 9(2SS)

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

EUT Operation test setup

- Test Software: Qualcomm Radio Control Toolkit v4.0
- Power setting: Refer to the table below.

Tested frequency and power setting

Band	Channel	Frequency (MHz)	802.11a
			Power Setting
U-NII 1	36	5 180	13
	40	5 200	13
	48	5 240	13
U-NII 2A	52	5 260	13
	60	5 300	13
	64	5 320	13
U-NII 2C	100	5 500	13
	120	5 600	13
	144	5 720	13
U-NII 3	149	5 745	13
	157	5 785	13
	165	5 825	13

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Band	Channel	Frequency (MHz)	802.11n(HT20), 802.11ac(VHT20)
			Power Setting
U-NII 1	36	5 180	13
	40	5 200	13
	48	5 240	13
U-NII 2A	52	5 260	13
	60	5 300	13
	64	5 320	13
U-NII 2C	100	5 500	13
	120	5 600	13
	144	5 720	13
U-NII 3	149	5 745	13
	157	5 785	13
	165	5 825	13

Band	Channel	Frequency (MHz)	802.11n(HT40), 802.11ac(VHT40)
			Power Setting
U-NII 1	38	5 190	13
	46	5 230	13
U-NII 2A	54	5 270	13
	62	5 310	13
U-NII 2C	102	5 510	13
	118	5 590	13
	142	5 710	13
U-NII 3	151	5 755	13
	159	5 795	13

Band	Channel	Frequency (MHz)	802.11ac(VHT80)
			Power Setting
U-NII 1	42	5 210	13
U-NII 2A	58	5 290	13
U-NII 2C	106	5 530	13
	122	5 610	13
	138	5 690	13
U-NII 3	155	5 775	13

Band	Channel	Frequency (MHz)	802.11ac(VHT160)
			Power Setting
U-NII-1,2A	50	5 250	12.5
U-NII-2C	114	5 570	13

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Tested Mode

Test Mode		ANT configuration	Worst data rate
TM 1	802.11a	CDD Multiple transmitting	6Mbps
TM 2	802.11ac(VHT20)	CDD Multiple transmitting	MCS0
TM 3	802.11ac(VHT40)	CDD Multiple transmitting	MCS0
TM 4	802.11ac(VHT80)	CDD Multiple transmitting	MCS0
TM 5	802.11ac(VHT160)	CDD Multiple transmitting	MCS0

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

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	SISO		MIMO (CDD) Note 1.	MIMO (SDM) Note 2
	ANT 1 [dBi]	ANT 2 [dBi]	Directional Gain[dBi]	Directional Gain[dBi]
U-NII 1	-0.71	2.02	**3.77**	0.87
U-NII 2A	0.03	1.64	**3.88**	0.91
U-NII 2C	0.34	1.23	**3.81**	0.81
U-NII 3	1.83	1.32	**4.59**	1.58

Note 1. Directional gain(correlated signal with unequal antenna gain and equal transmit power)

$10 \log [(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N^{ANT}]$ dBi

Note 2. Directional gain(completely uncorrelated signal with unequal antenna gain and equal transmit power)

$10 \log [(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10}) / N^{ANT}]$ dBi

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4. Summary of Test Result

FCC Part Section(s)	Test Description	Limit	Test Condition	Status Note 1
15.407(a)	Emission Bandwidth (26 dB Bandwidth)	N/A	Conducted	C
15.407(e)	Minimum Emission Bandwidth (6 dB Bandwidth)	> 500 kHz in 5 725 ~ 5 850 MHz		C
15.407(a)	Maximum Conducted Output Power	Part 15.407(a) (Refer to section 5.3)		C
15.407(a)	Peak Power Spectral Density	Part 15.407(a) (Refer to section 5.4)		C
15.407(h)	Dynamic Frequency Selection	Part 15.407(h) (Refer to the DFS test report)		C Note 4
15.205 15.209 15.407(b)	Unwanted Emissions	Part 15.209, 15.407(b) (Refer to section 5.5)	Radiated	C Note 3
15.207	AC Conducted Emissions	Part 15.207 (Refer to section 5.6)	AC Line Conducted	C
15.203	Antenna Requirements	Part 15.203 (Refer to section 3)	-	C

Note 1: **C** = Comply **NC** = Not Comply **NT** = Not Tested **NA** = Not Applicable
Note 2: For radiated emission tests below 30 MHz were performed on semi-anechoic chamber which is correlated with OATS.
Note 3: This test item was performed in three orthogonal EUT positions and the worst case data was reported.
Note 4: Refer to the DFS test report.

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5. TEST RESULT

5.1 Emission Bandwidth (26 dB Bandwidth)

▣ Test Requirements

- 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.

The 26 dB bandwidth is used to determine the conducted output power limit.

▣ Test Configuration

Refer to the APPENDIX I.

▣ Test Procedure

- Emission Bandwidth (26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB789033 D02v02r01**.

1. Set resolution bandwidth (RBW) = approximately **1 %** of the EBW.
2. Set the video bandwidth **(VBW) > RBW**.
3. Detector = **Peak**.
4. Trace mode = **max hold**.

   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 %.

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▣ **Test Results: Comply**

Test Mode	Band	Channel	Frequency(MHz)	26 dB BW(MHz)	
				ANT 1	ANT 2
TM 1	U-NII 1	36	5 180	18.43	18.99
		40	5 200	19.17	19.25
		48	5 240	18.94	18.90
	U-NII 2A	52	5 260	19.22	18.92
		60	5 300	19.51	18.75
		64	5 320	18.50	18.93
	U-NII 2C	100	5 500	18.98	18.86
		120	5 600	18.86	18.80
		144	5 720	19.65	18.90
TM 2	U-NII 1	36	5 180	19.82	19.61
		40	5 200	19.66	19.67
		48	5 240	19.95	19.95
	U-NII 2A	52	5 260	20.13	19.99
		60	5 300	20.46	19.86
		64	5 320	19.92	20.10
	U-NII 2C	100	5 500	20.06	20.22
		120	5 600	19.67	20.16
		144	5 720	20.54	20.18
TM 3	U-NII 1	38	5 190	39.21	39.29
		46	5 230	39.14	38.88
	U-NII 2A	54	5 270	39.11	39.00
		62	5 310	39.21	39.52
	U-NII 2C	102	5 510	39.39	39.29
		118	5 590	39.26	38.75
		142	5 710	39.09	39.57
TM 4	U-NII 1	42	5 210	80.27	80.41
	U-NII 2A	58	5 290	80.38	80.47
	U-NII 2C	106	5 530	80.23	80.30
		122	5 610	80.28	80.60
		138	5 690	80.56	80.00
TM 5	U-NII 1,2A	50	5 250	163.70	162.30
	U-NII 2C	114	5 570	163.50	162.30

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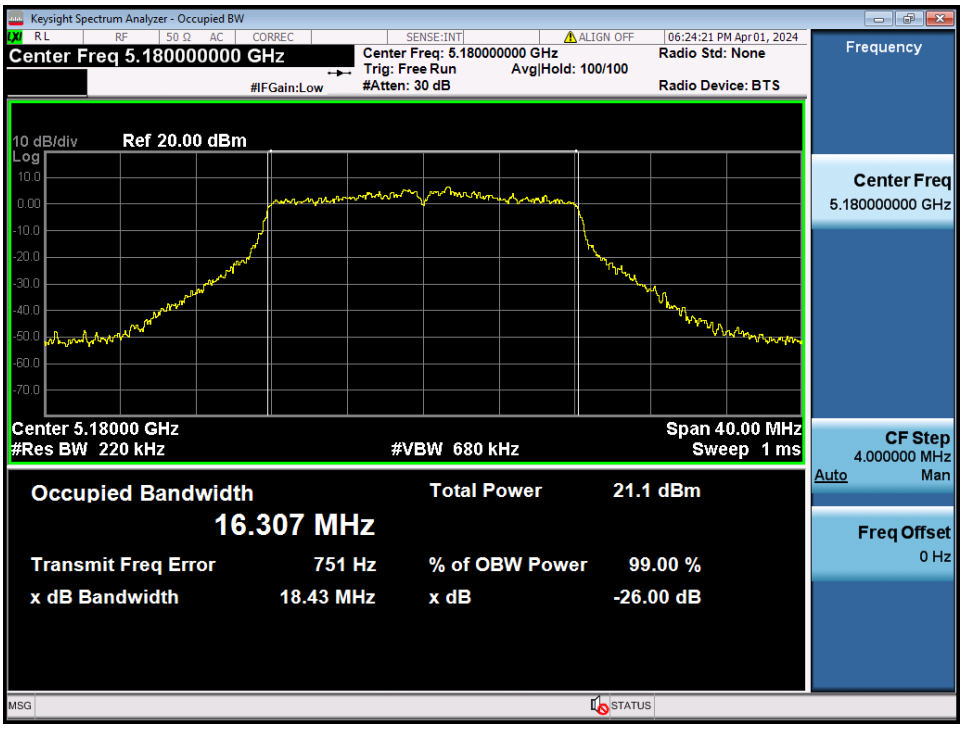
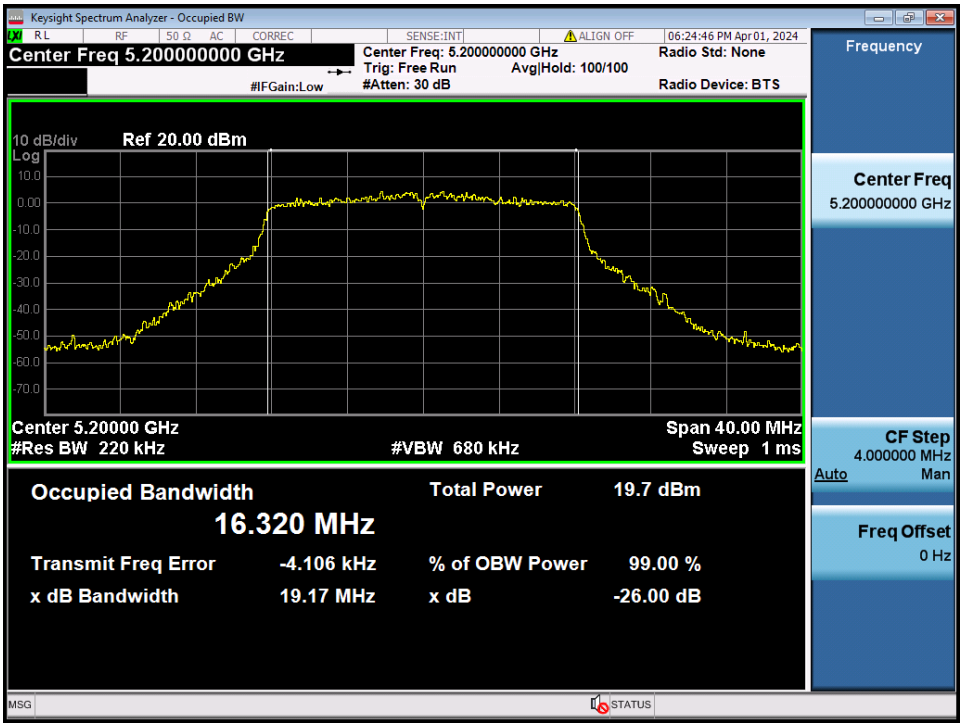
26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.36



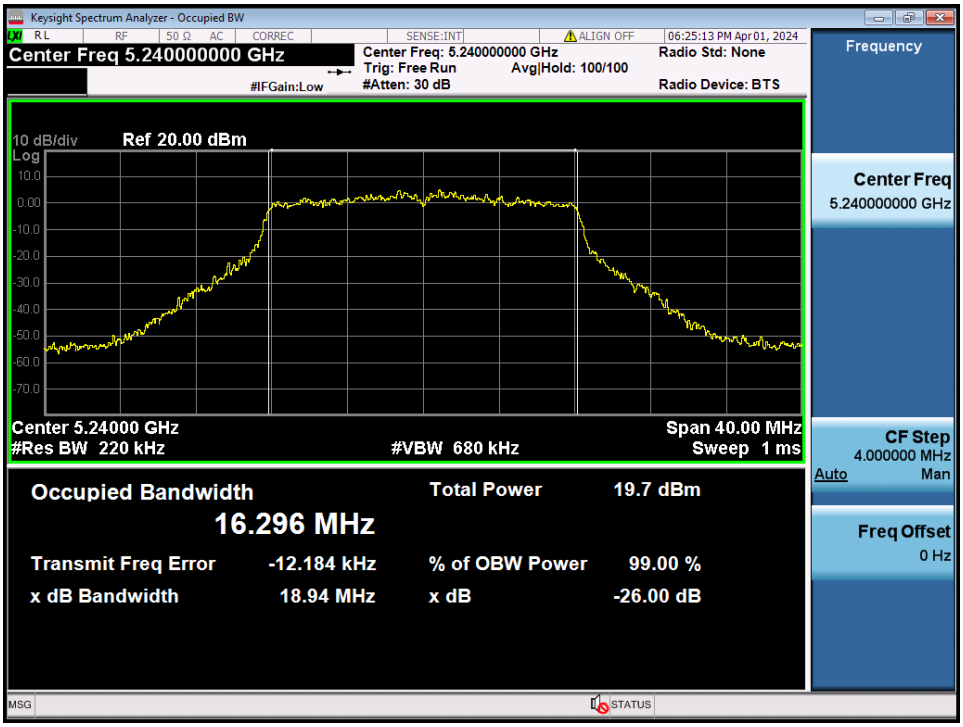
26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.40



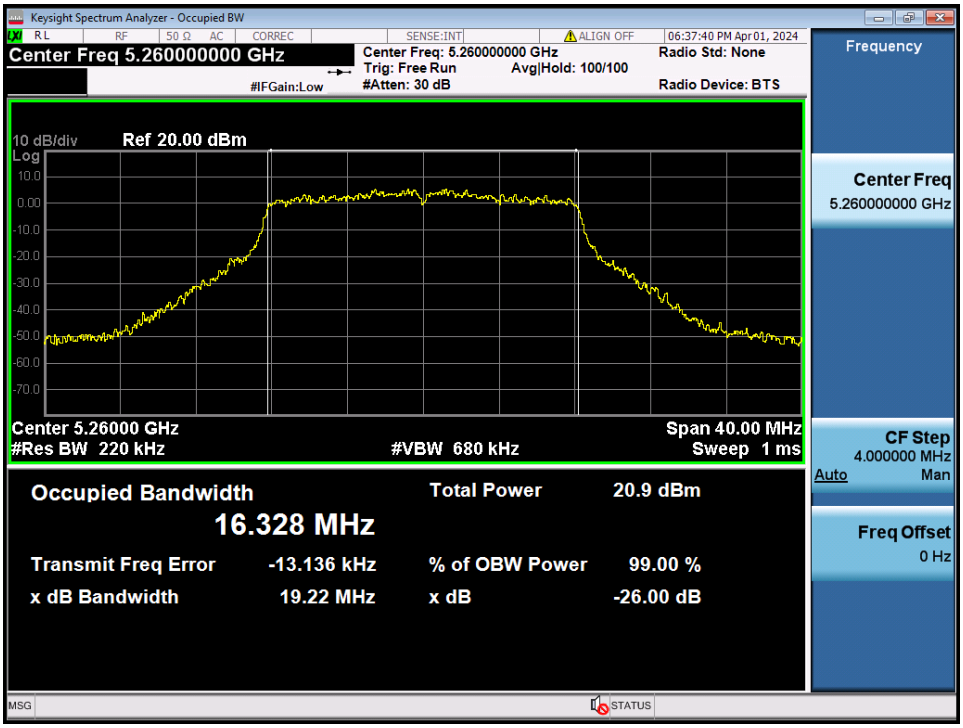
26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.48



26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.52



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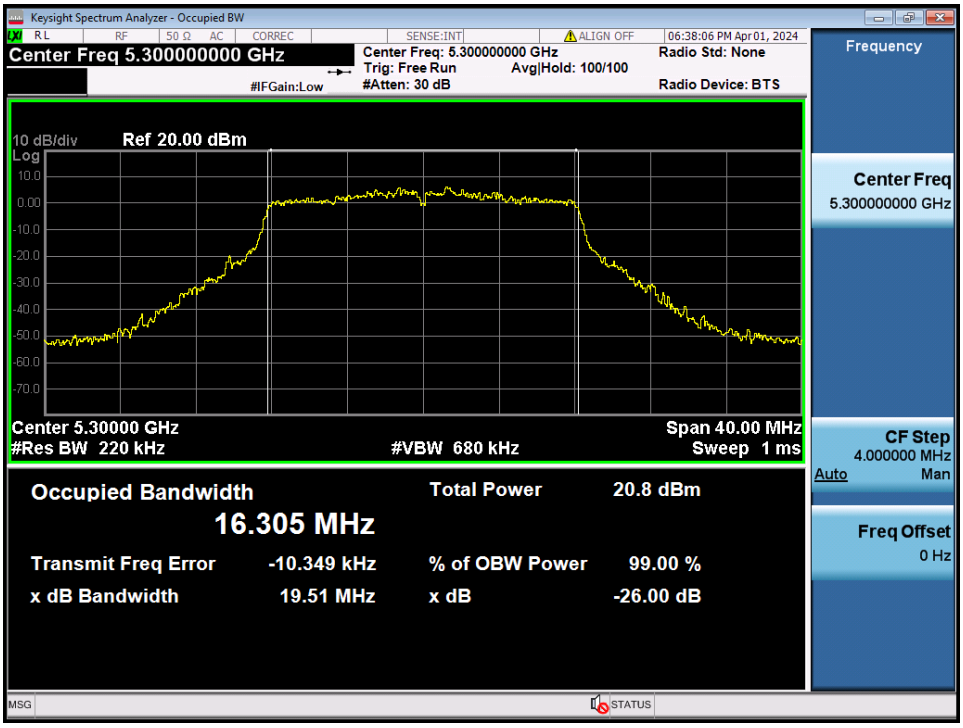
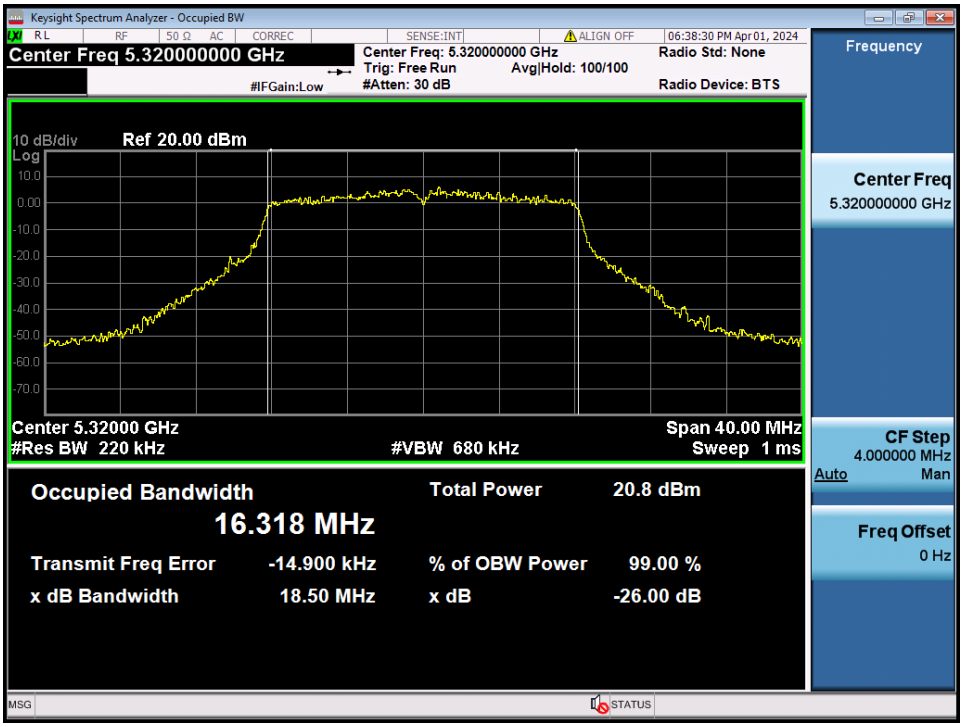
26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.60



26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.64



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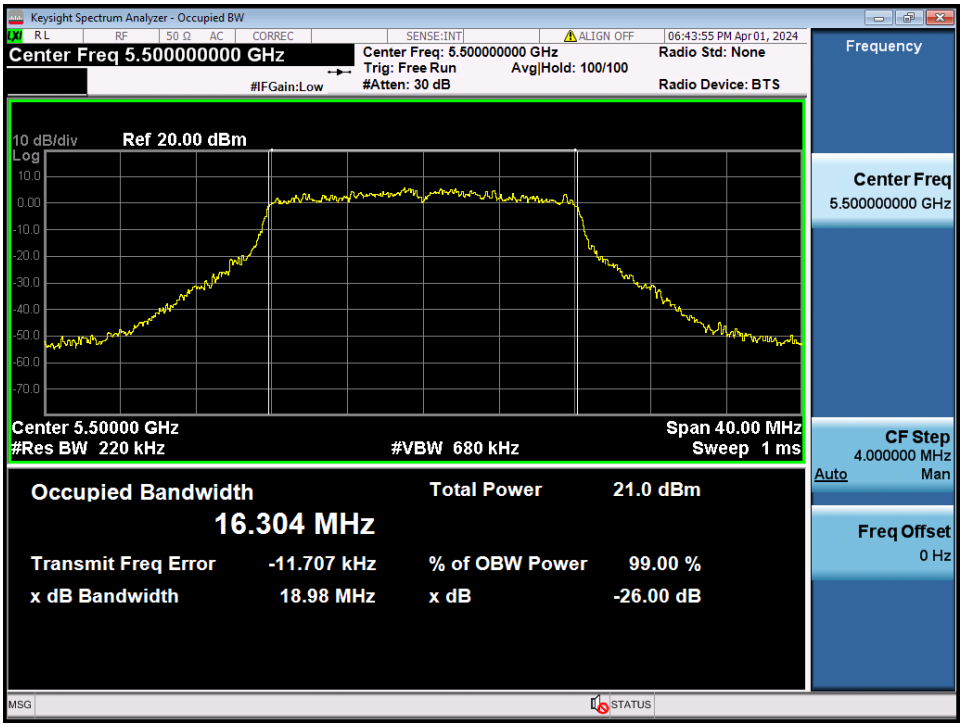
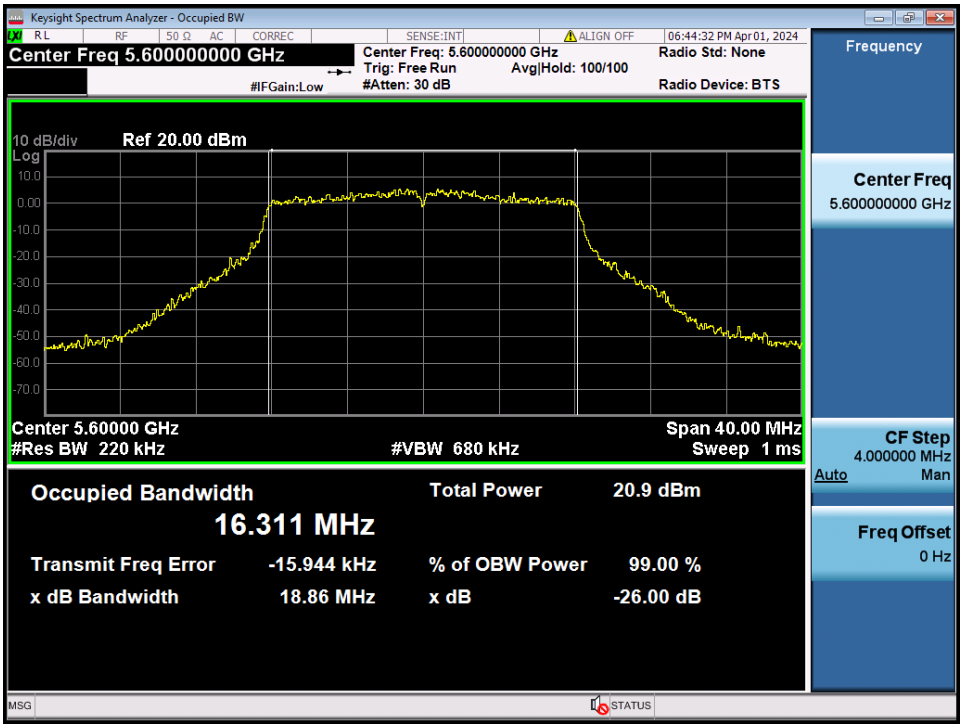
26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.100



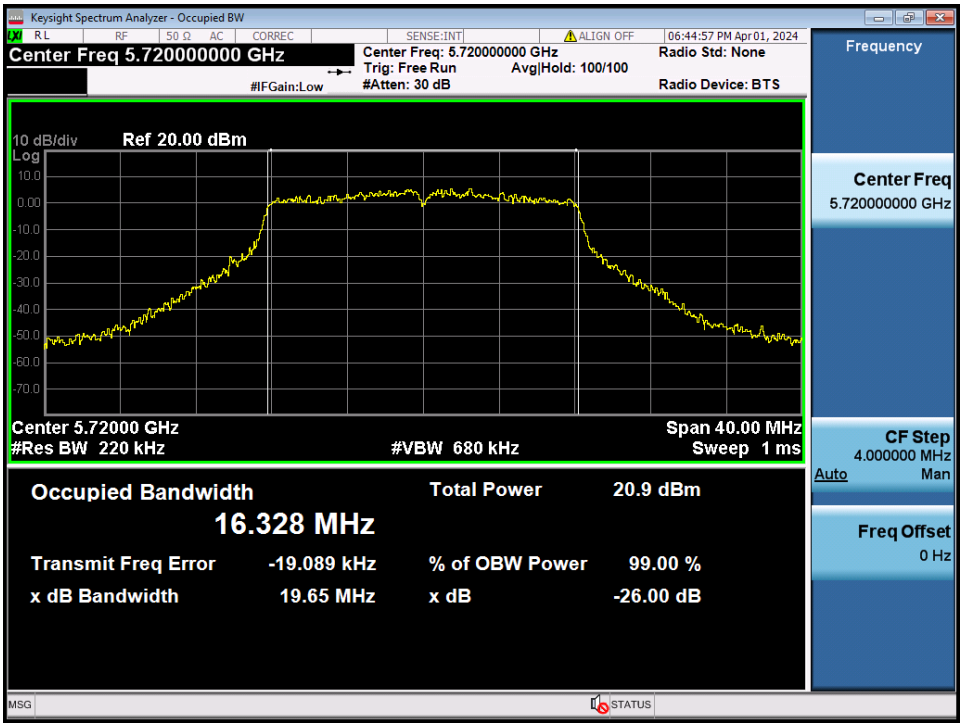
26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.120



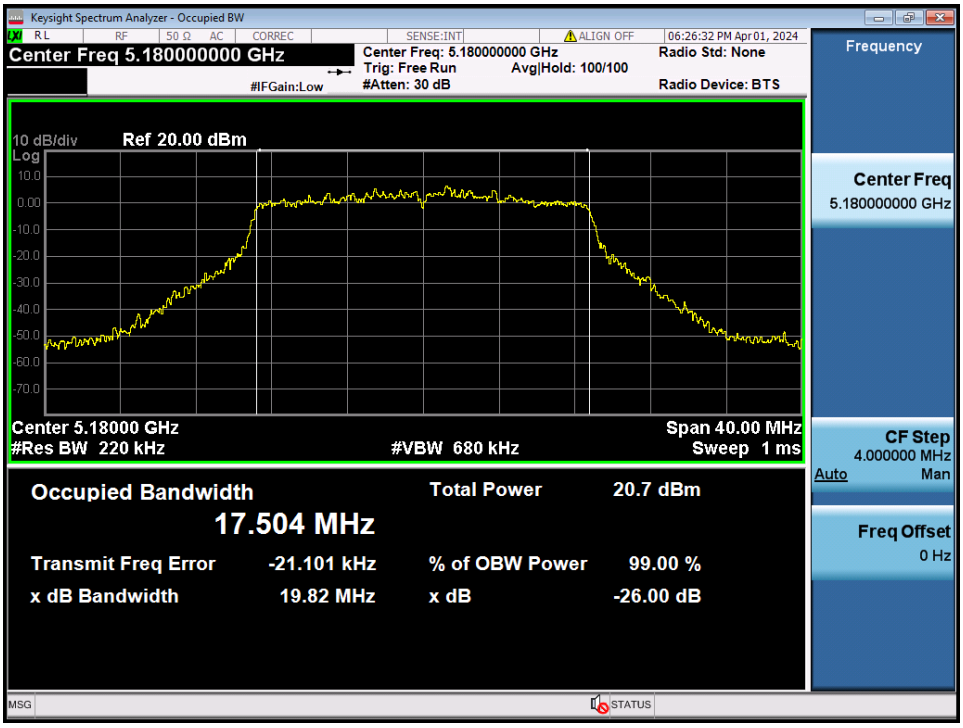
26 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.144



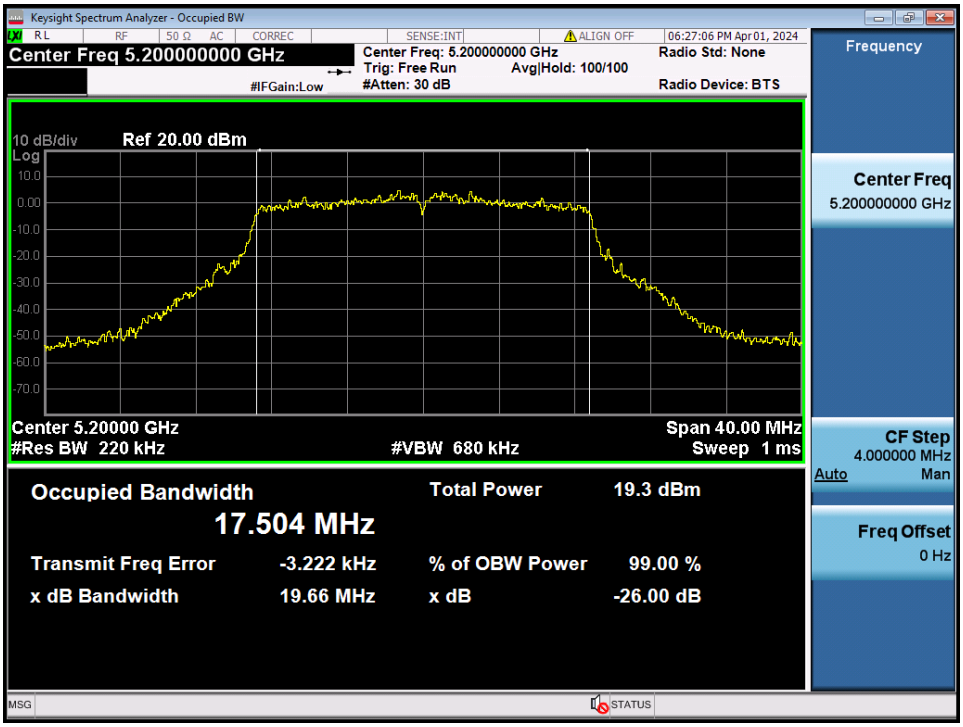
26 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.36



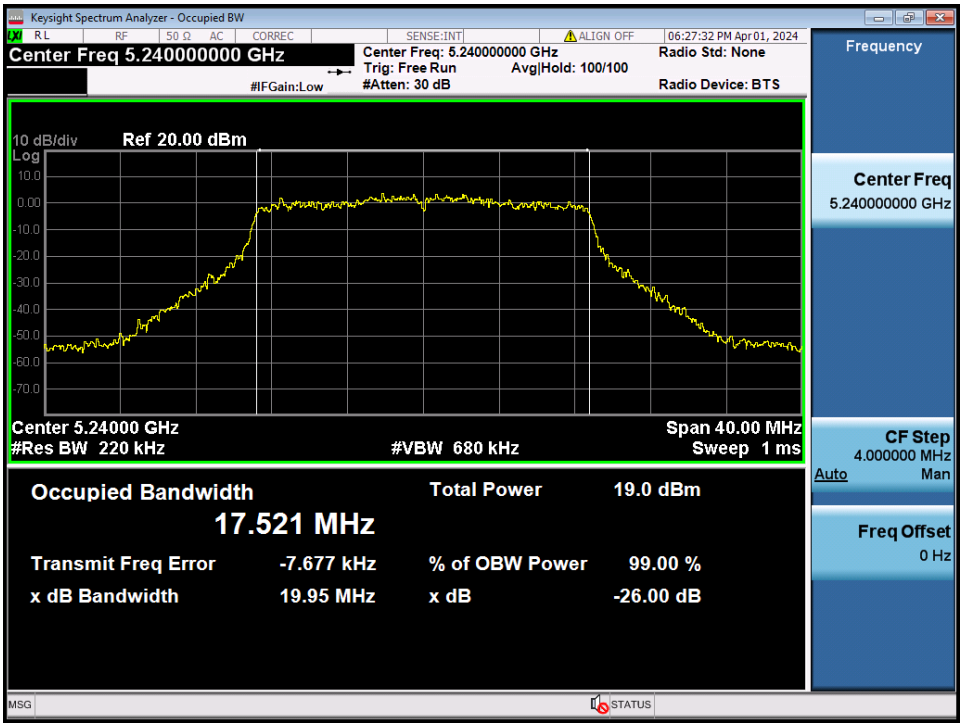
26 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.40



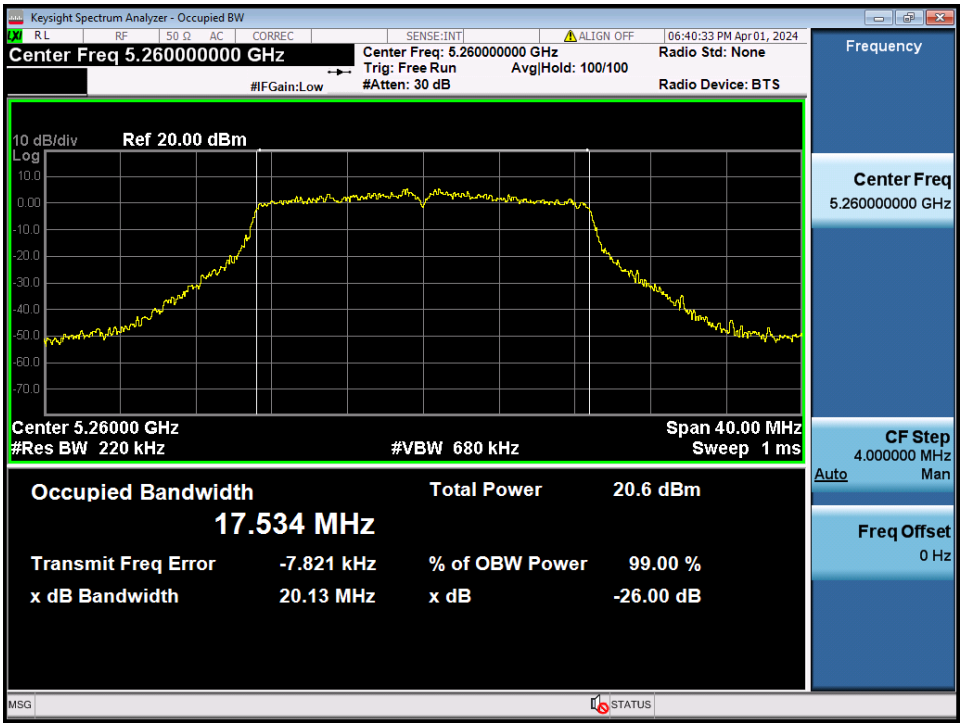
26 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.48



26 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.52



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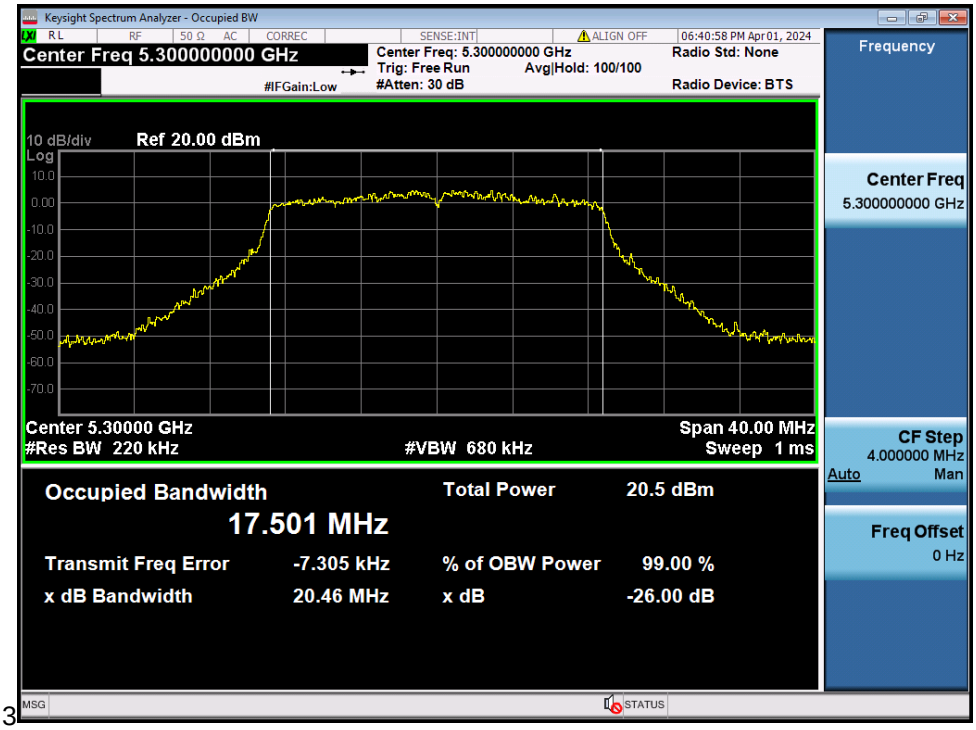
26 dB Bandwidth

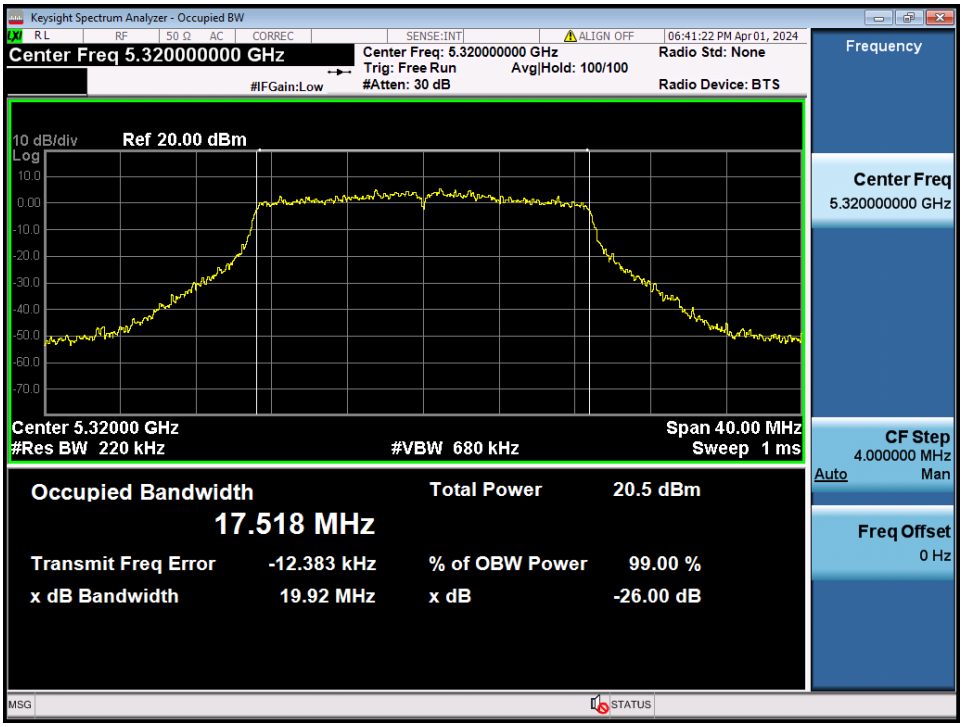
Test Mode: TM 2 & ANT 1 & Ch.60



3

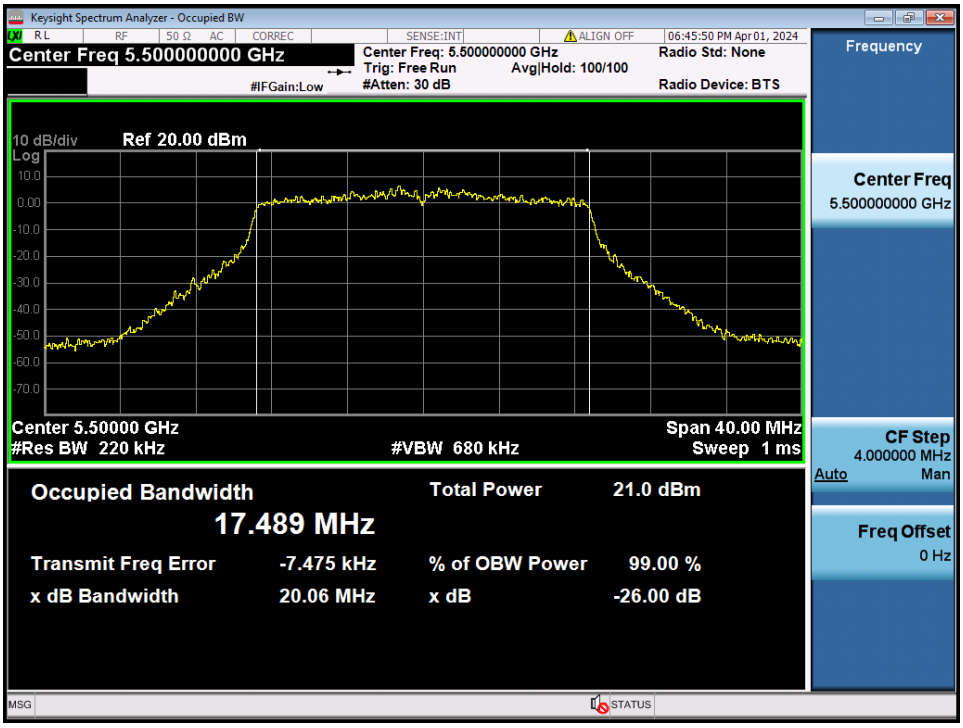
26 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.64



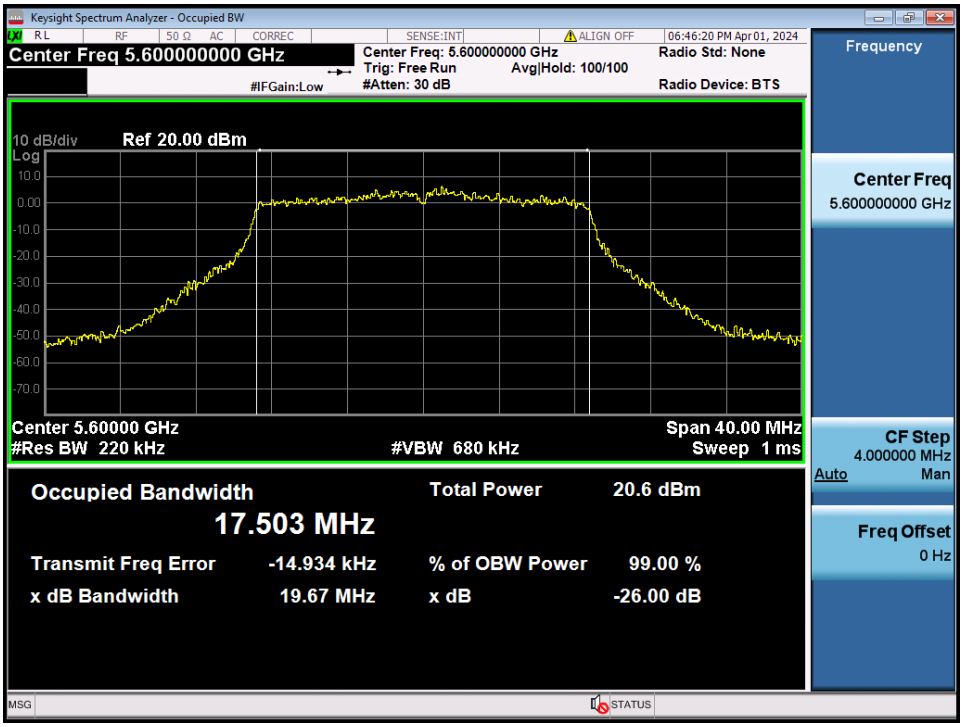
26 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.100



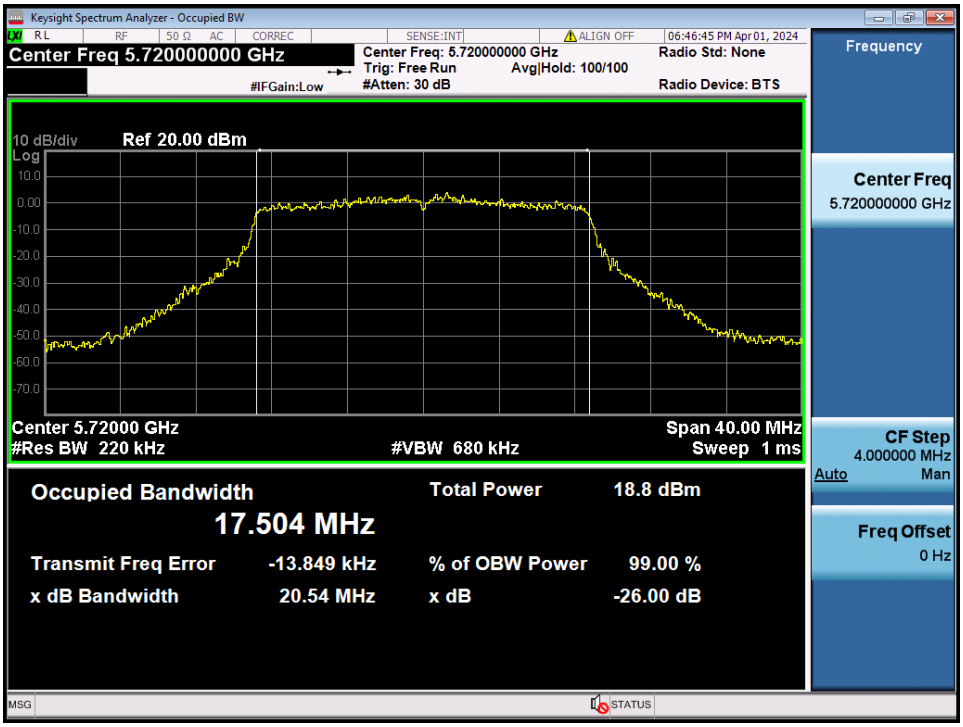
26 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.120



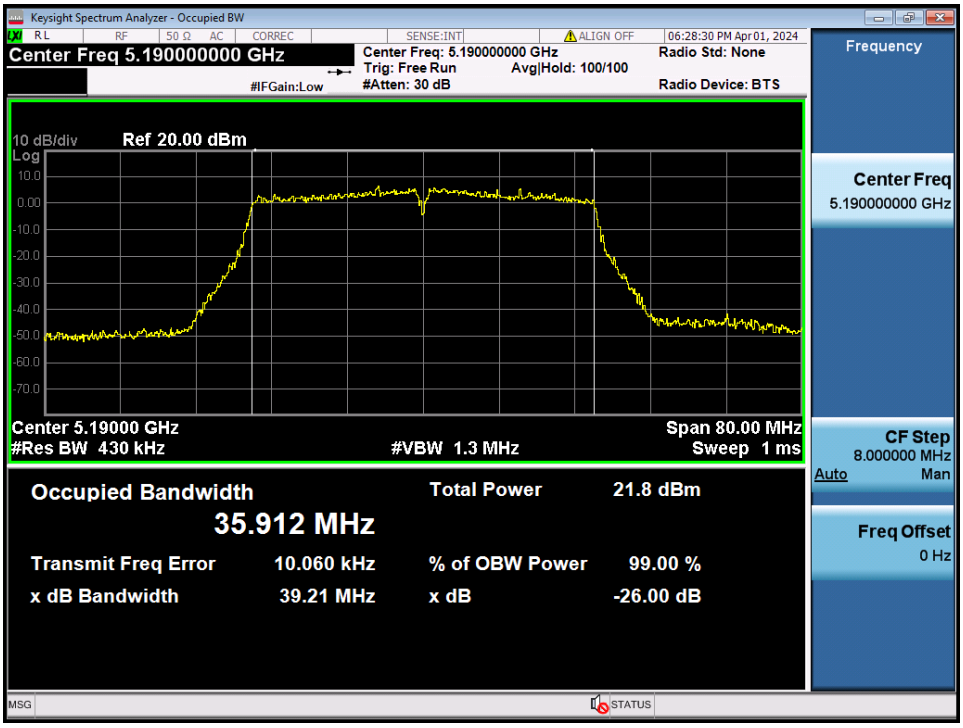
26 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.144



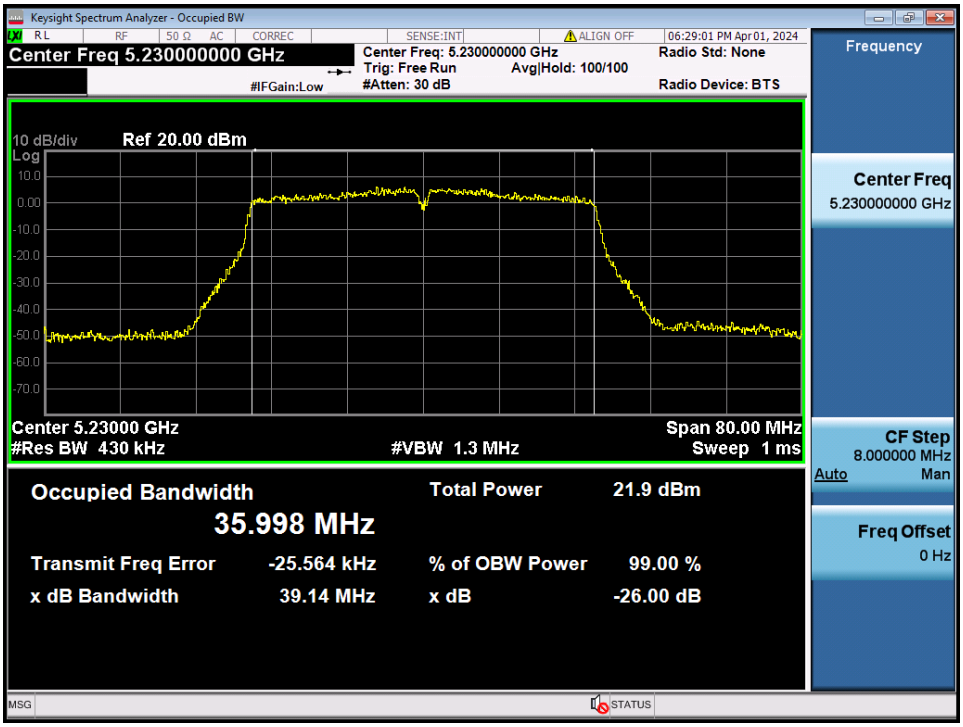
26 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.38



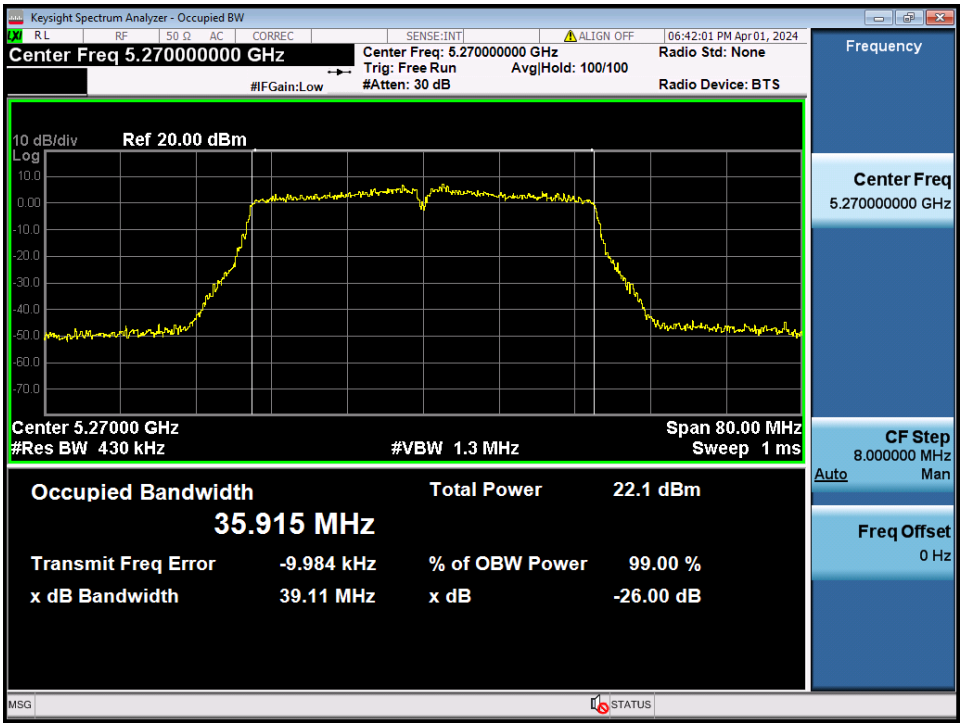
26 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.46



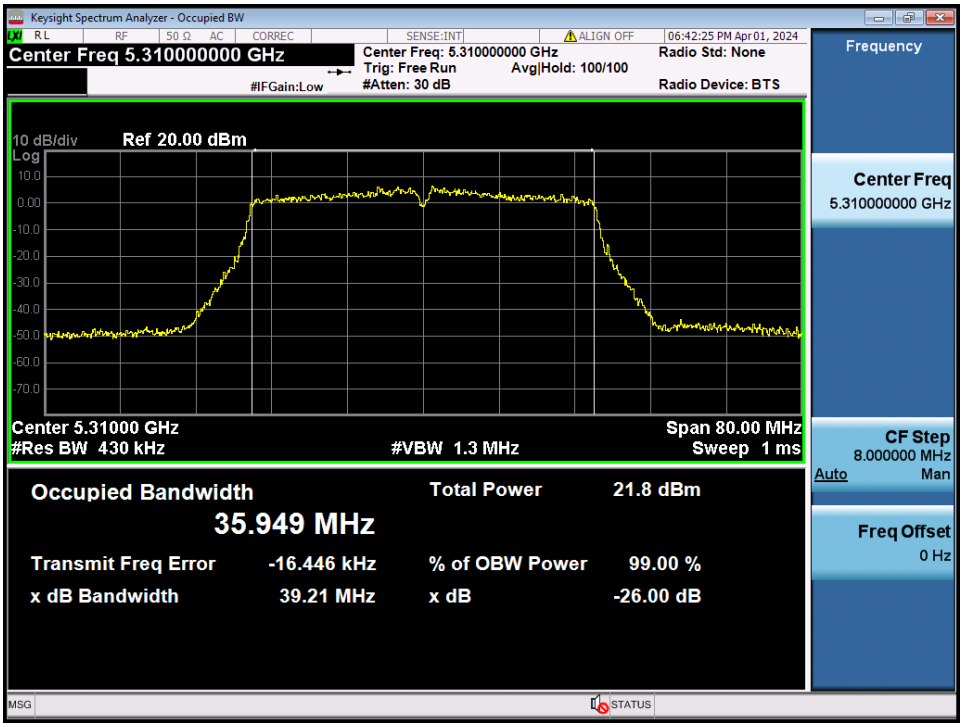
26 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.54



26 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.62



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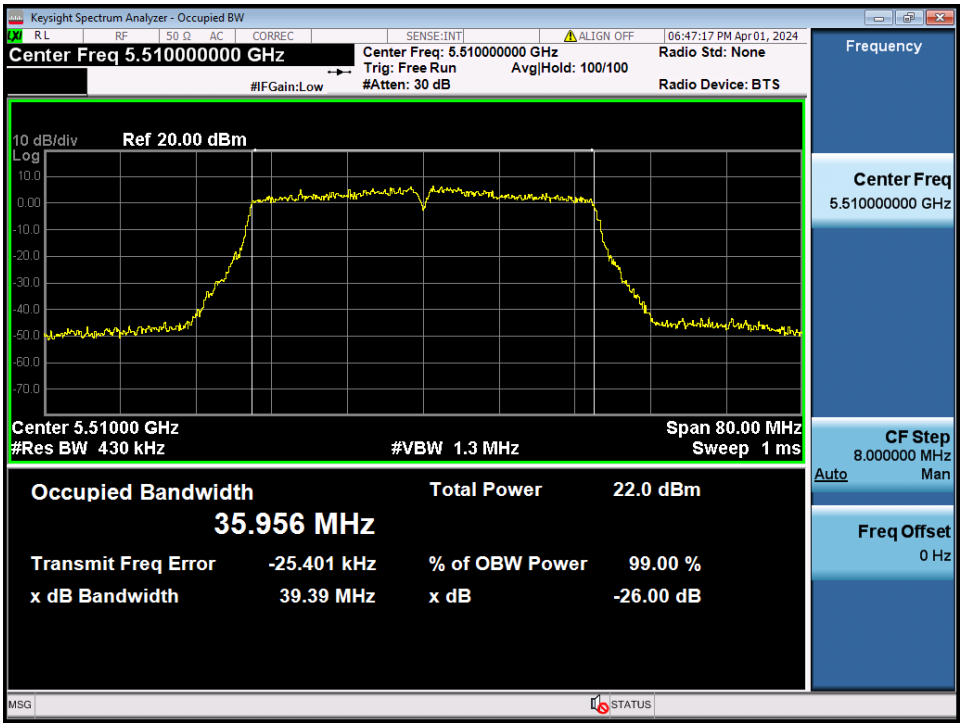
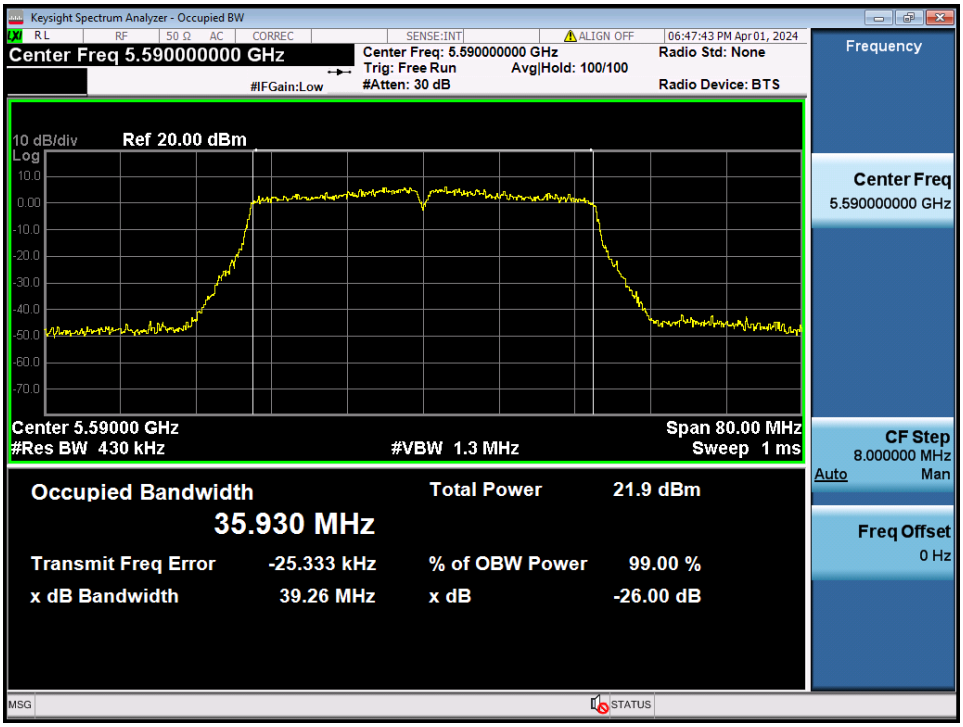
26 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.102



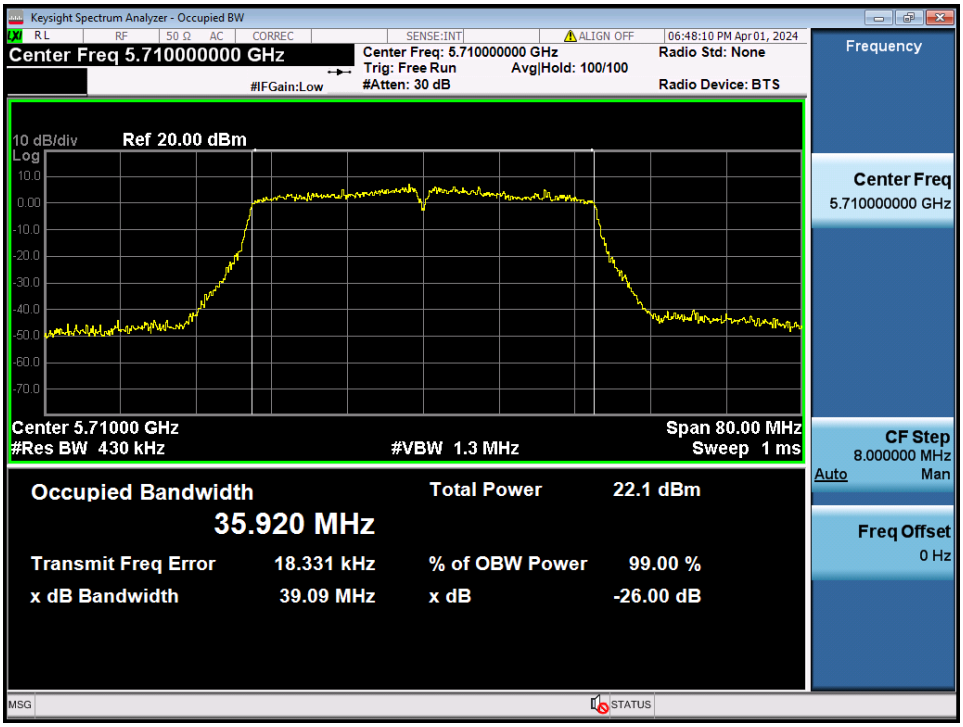
26 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.118



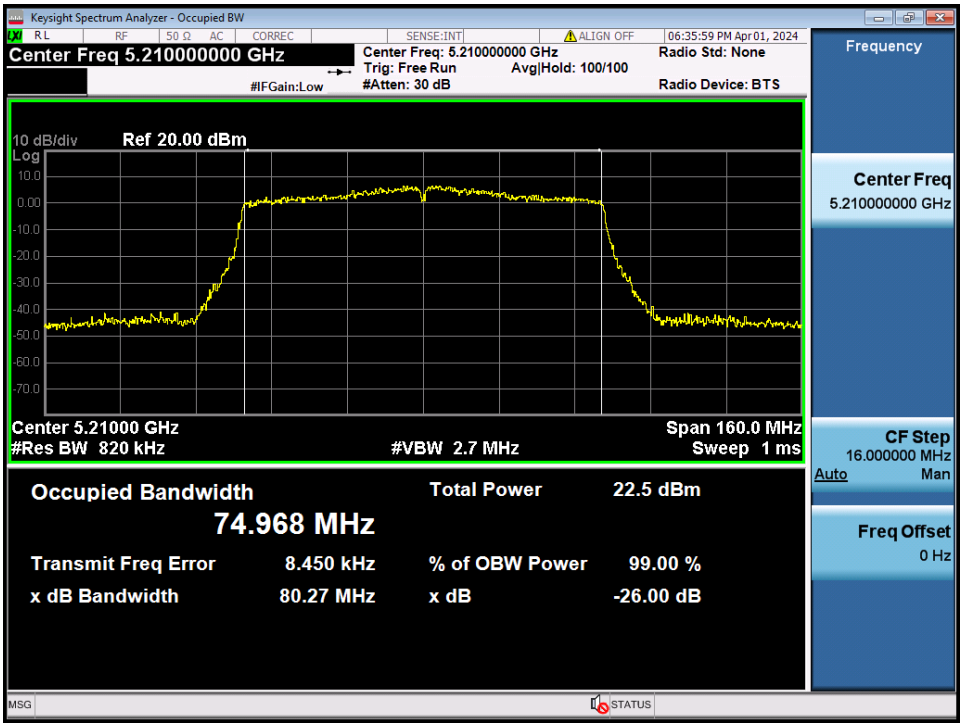
26 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.142



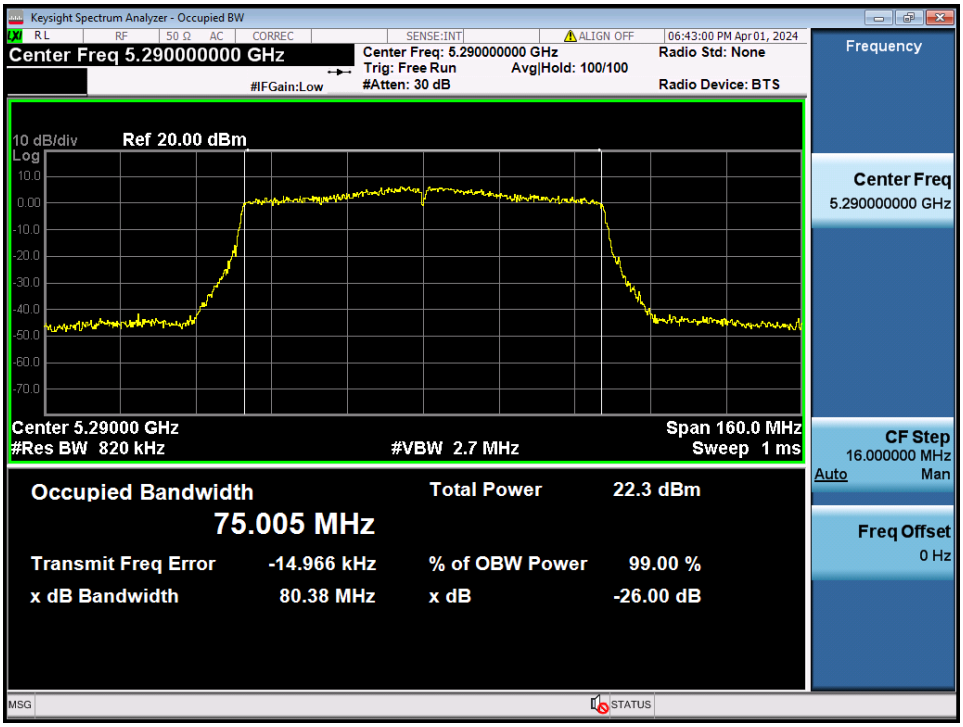
26 dB Bandwidth

Test Mode: TM 4 & ANT 1 & Ch.42



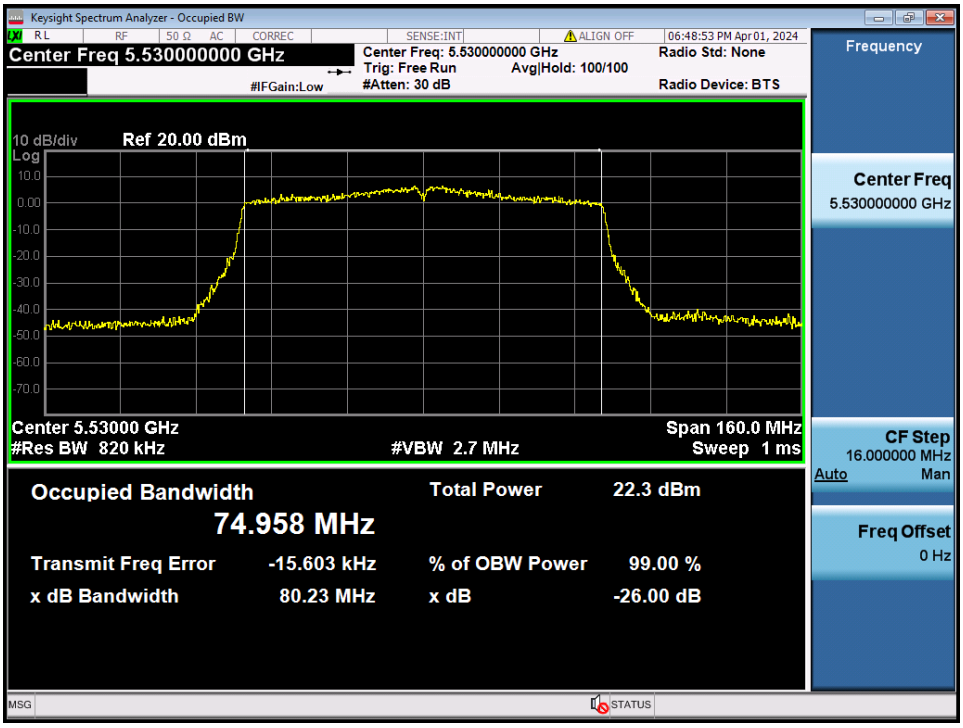
26 dB Bandwidth

Test Mode: TM 4 & ANT 1 & Ch.58



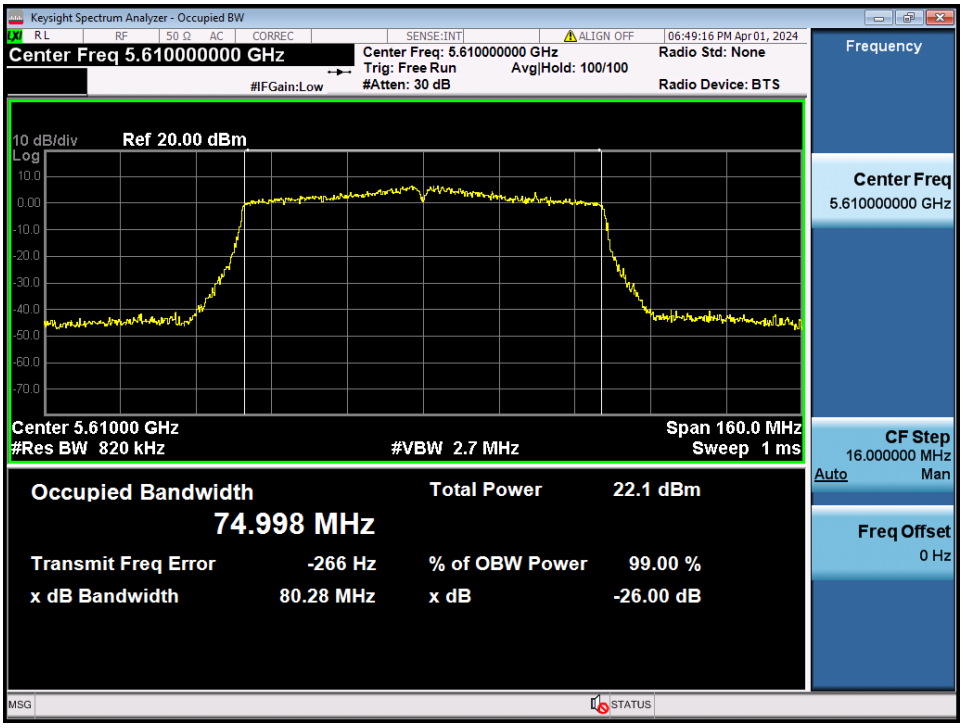
26 dB Bandwidth

Test Mode: TM 4 & ANT 1 & Ch.106



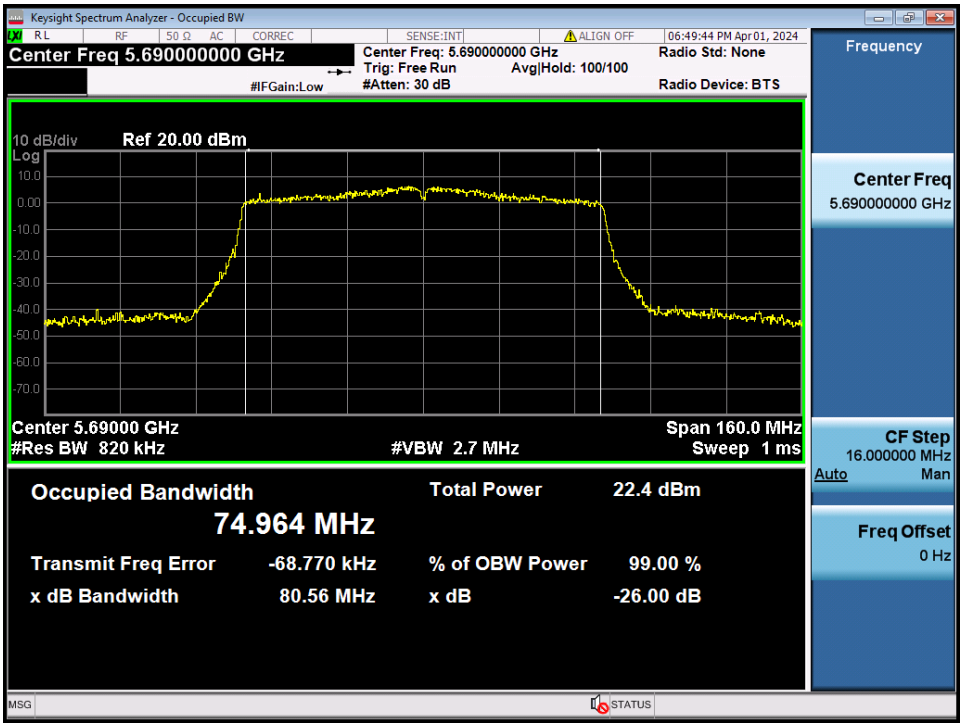
26 dB Bandwidth

Test Mode: TM 4 & ANT 1 & Ch.122



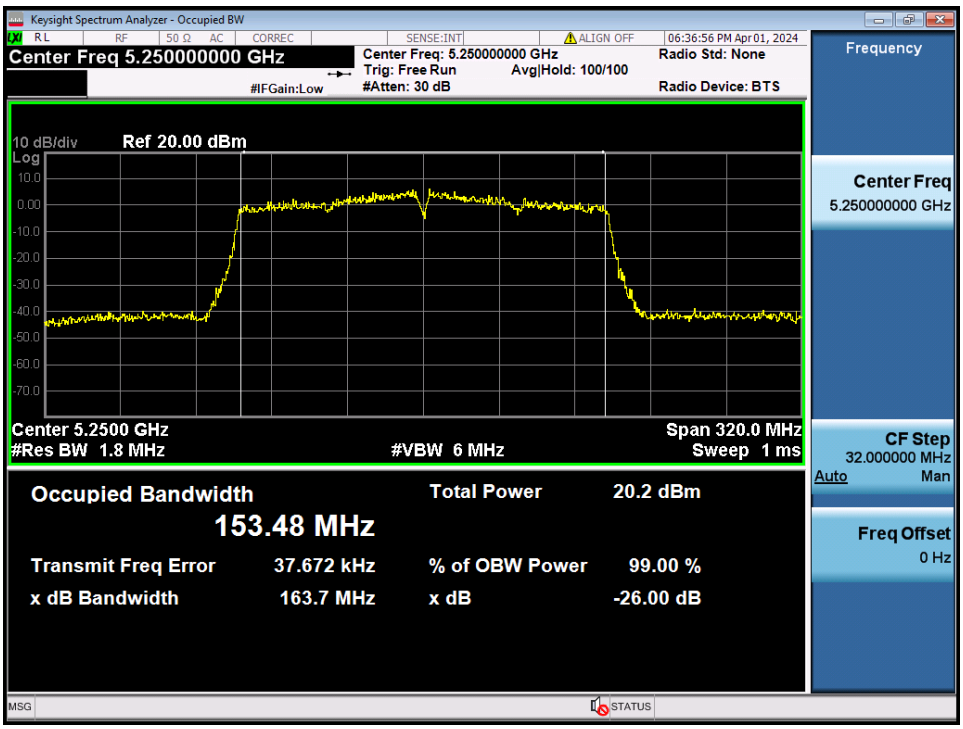
26 dB Bandwidth

Test Mode: TM 4 & ANT 1 & Ch.138



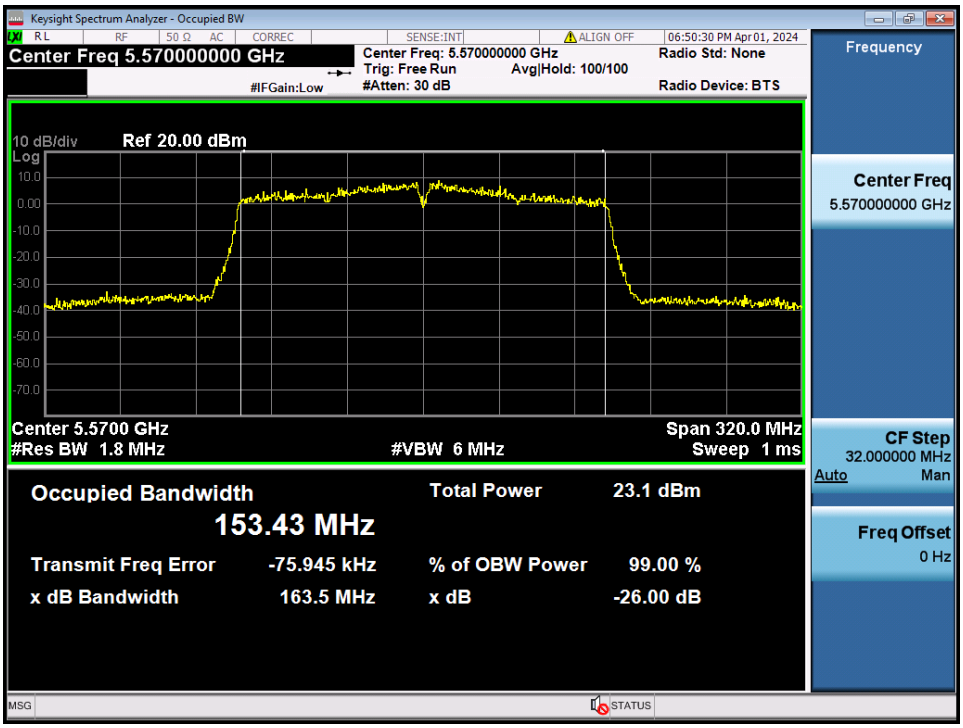
26 dB Bandwidth

Test Mode: TM 5 & ANT 1 & Ch.50



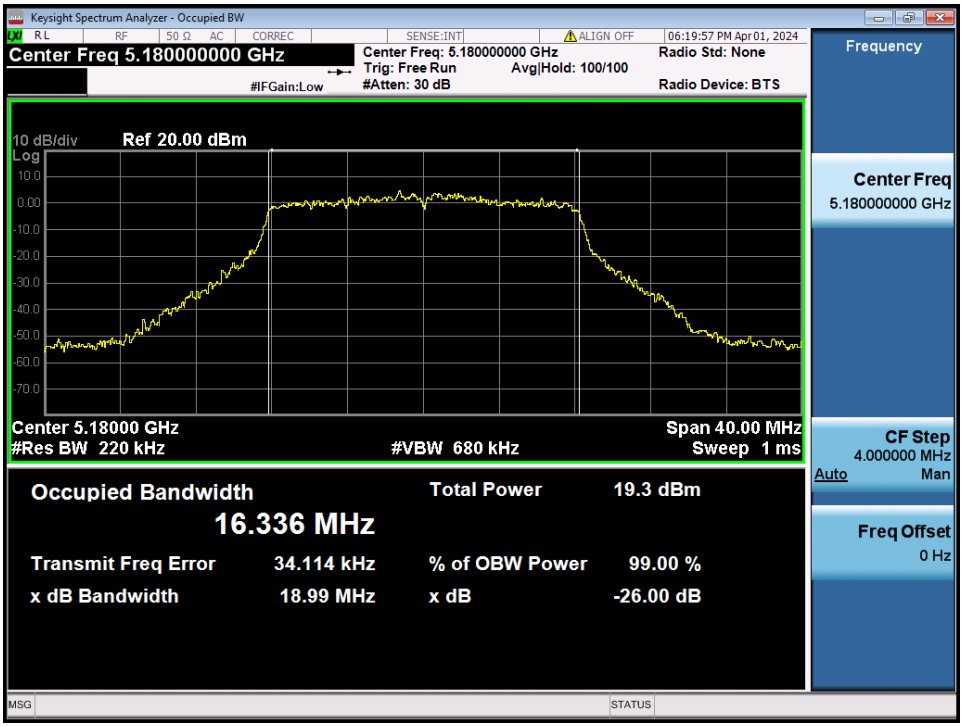
26 dB Bandwidth

Test Mode: TM 5 & ANT 1 & Ch.114



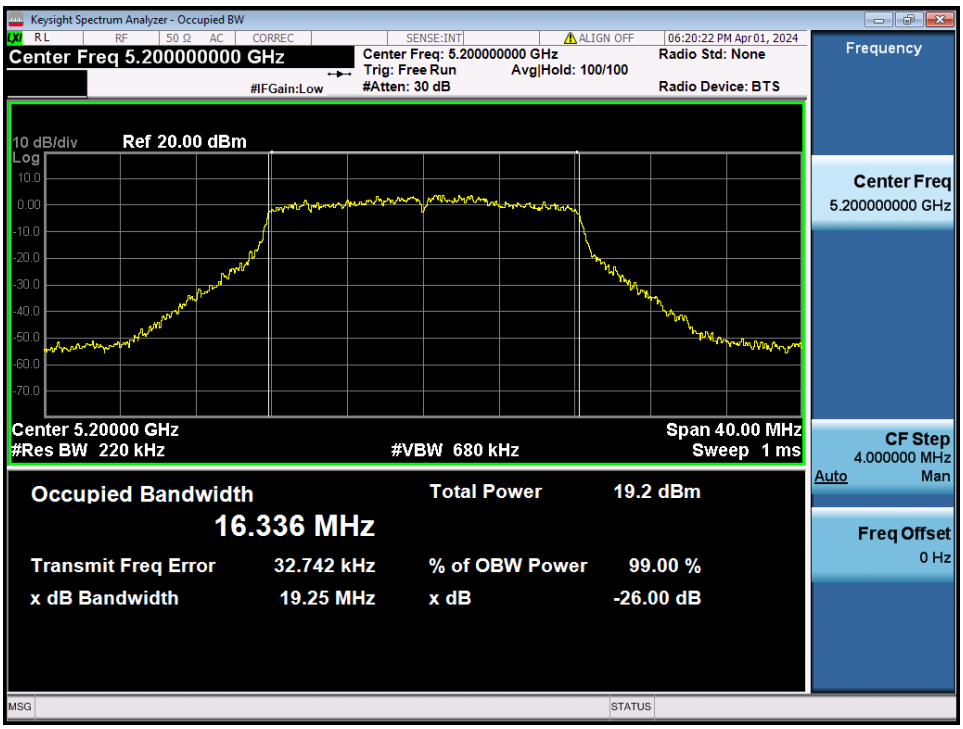
26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.36



26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.40



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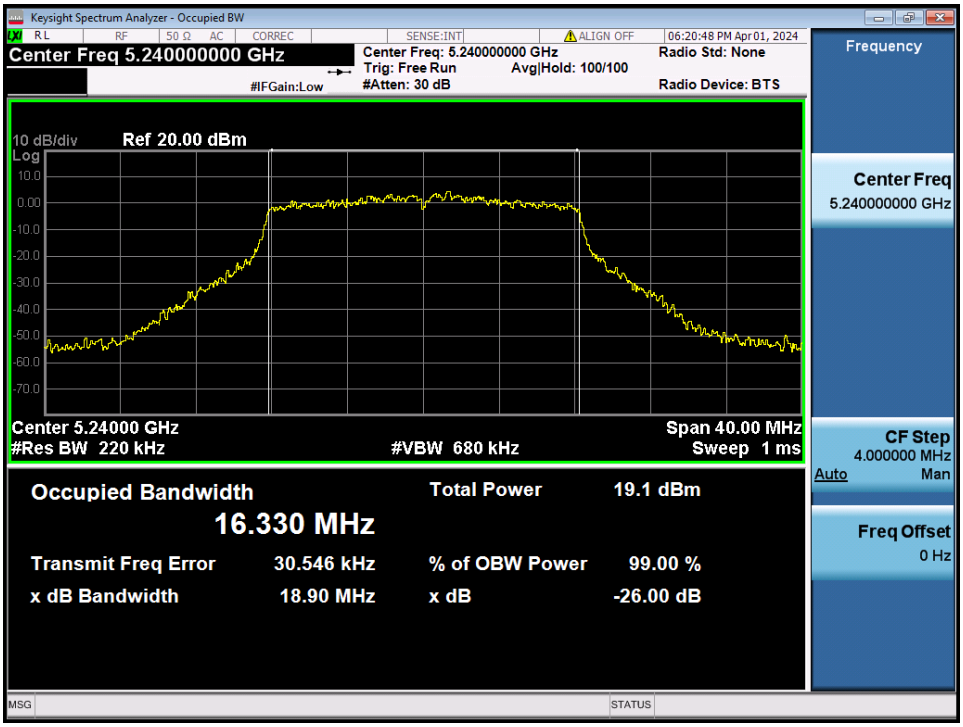
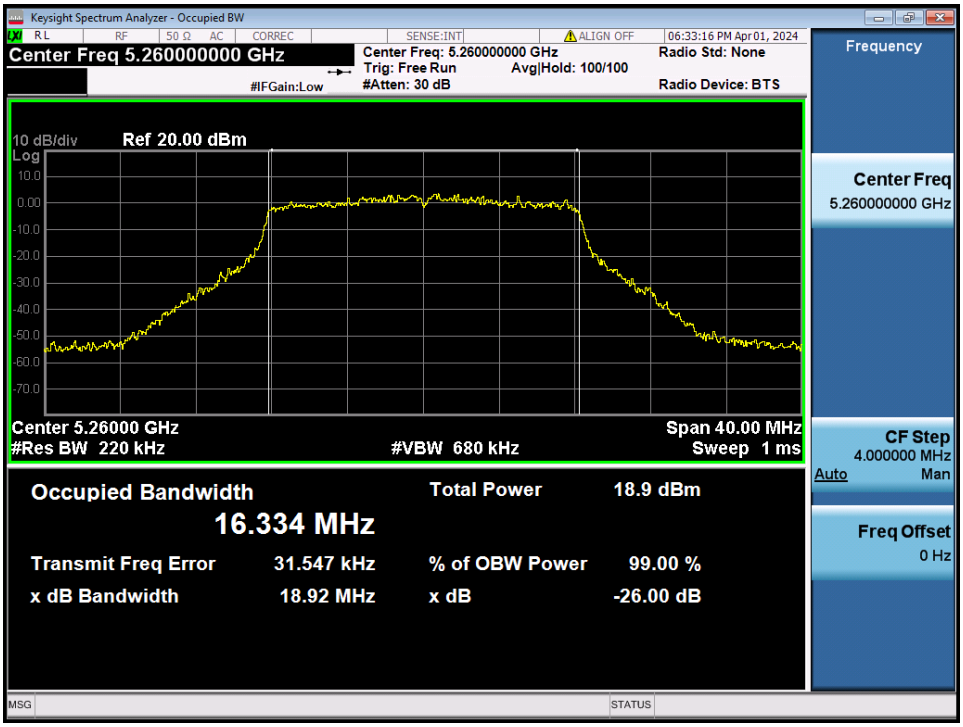
26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.48



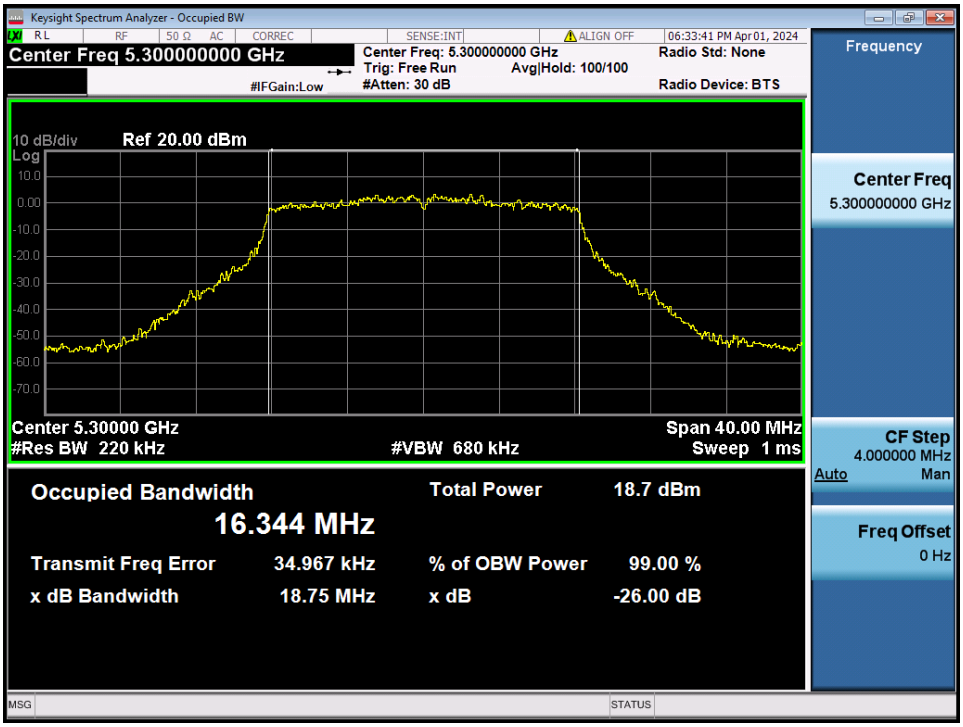
26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.52



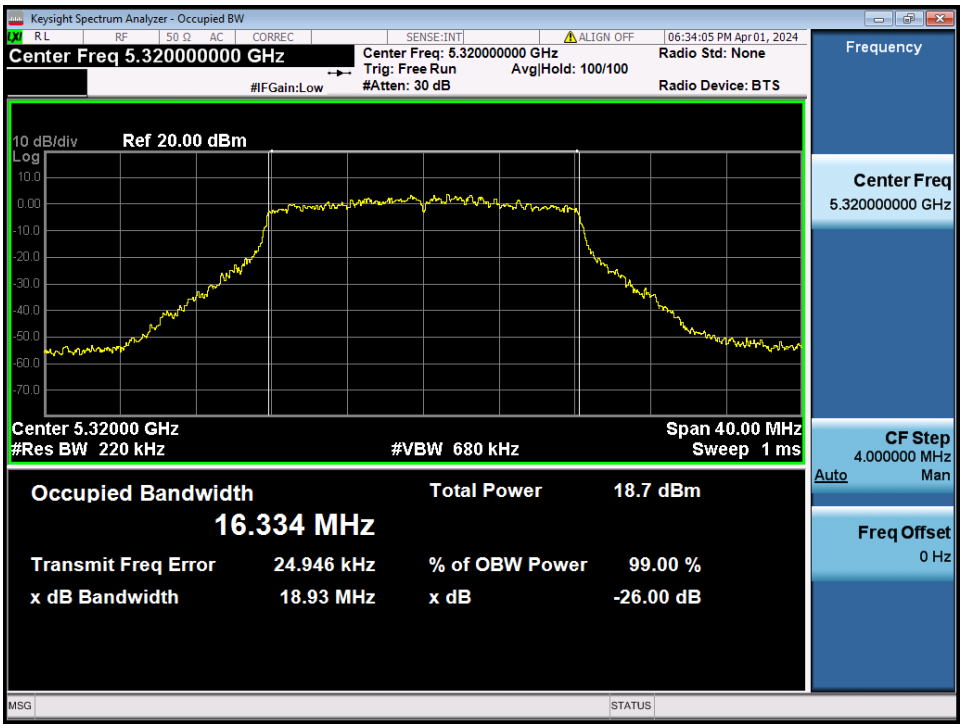
26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.60



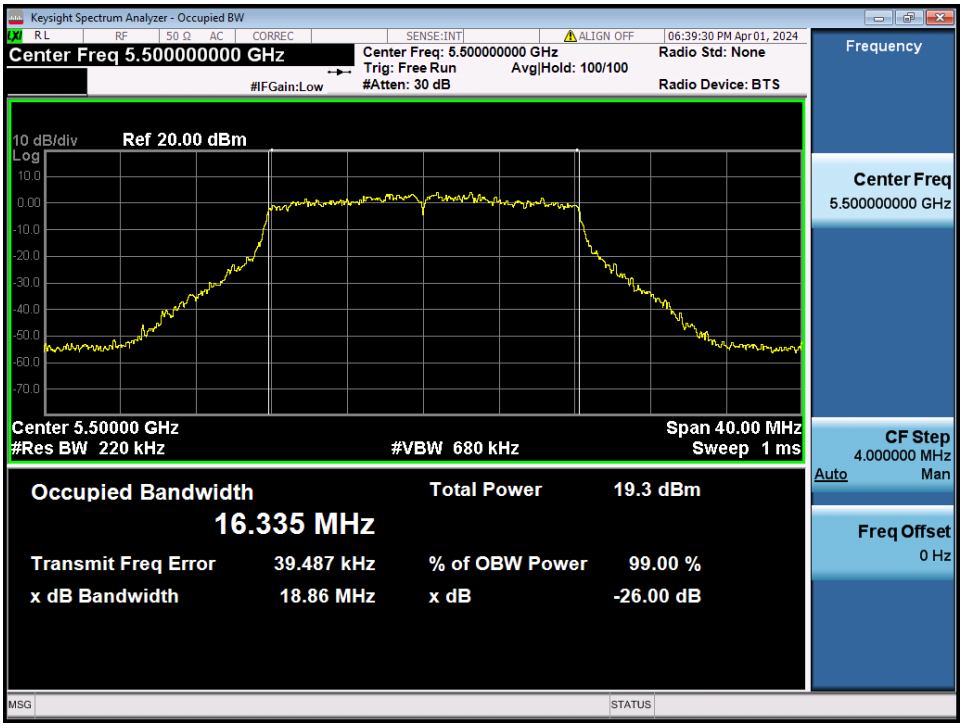
26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.64



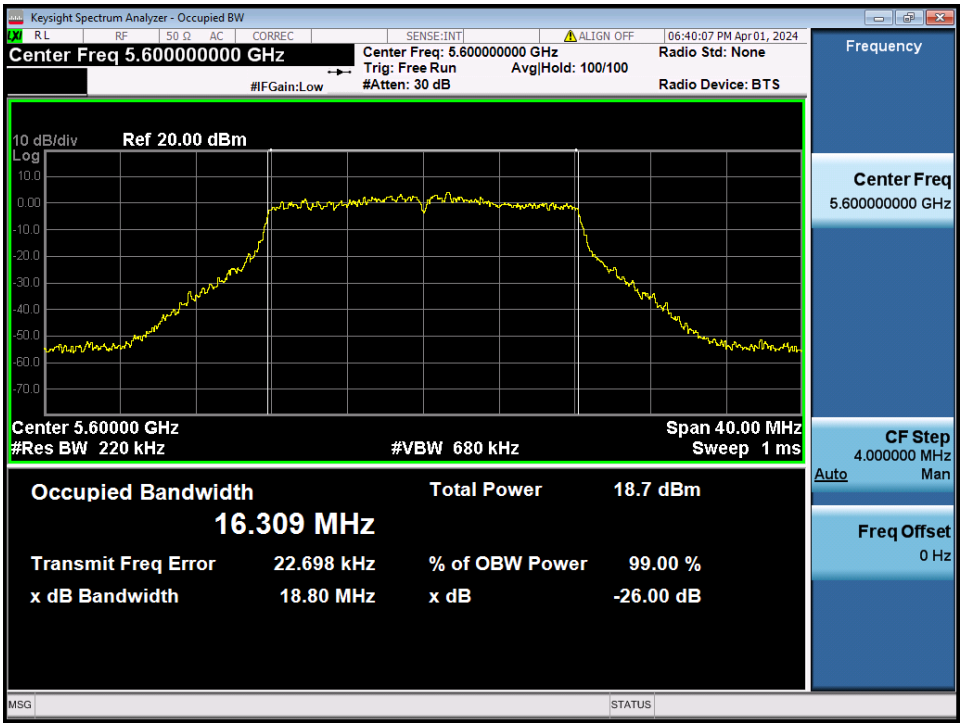
26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.100



26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.120



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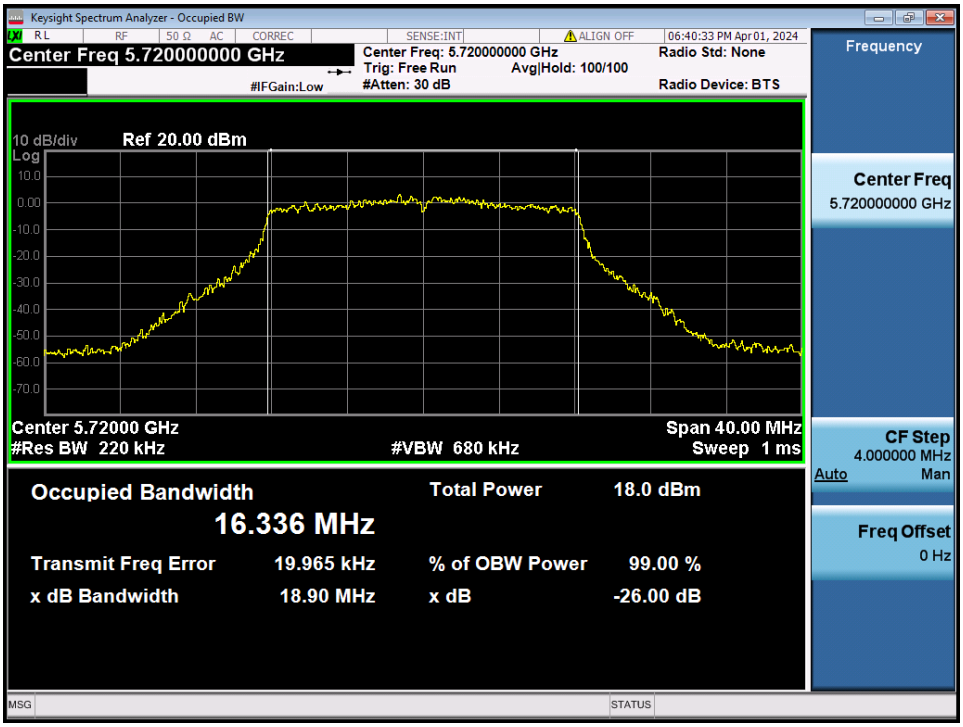
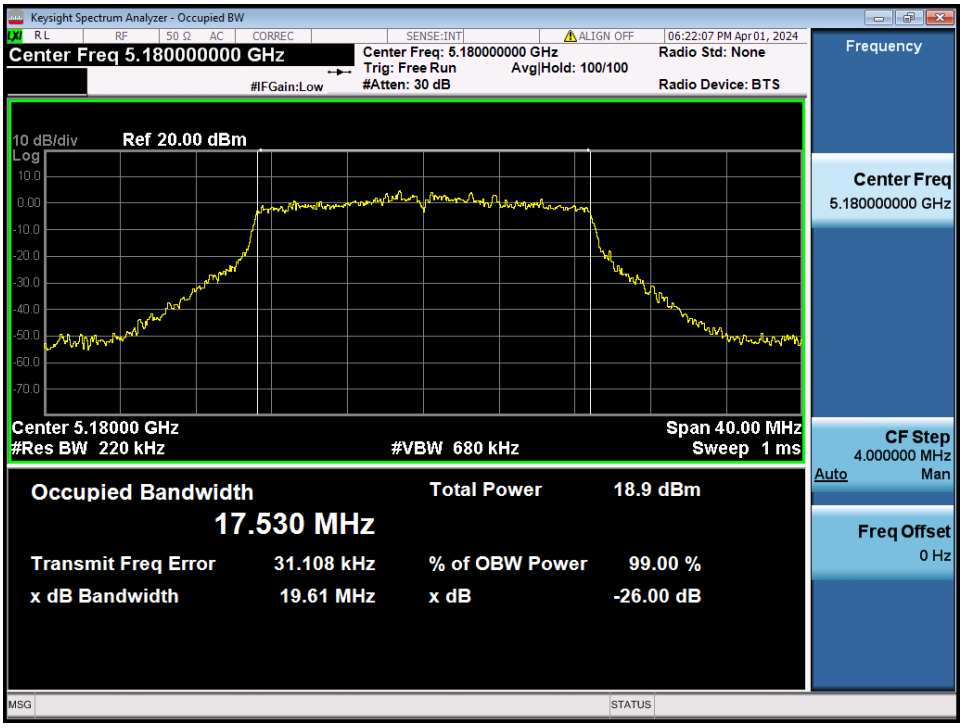
26 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.144



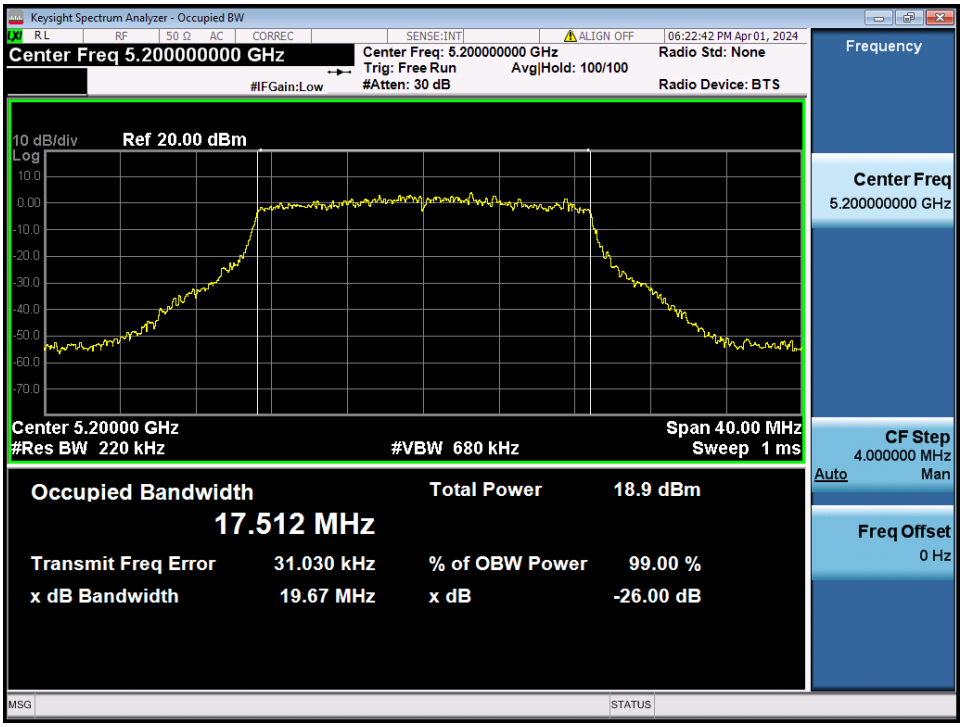
26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.36



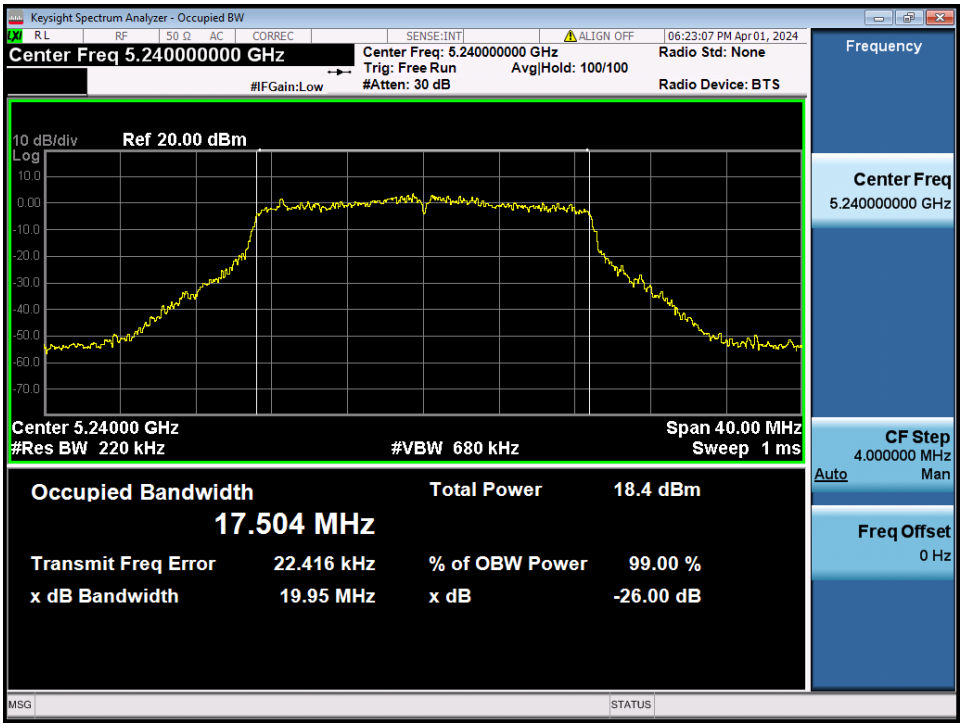
26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.40



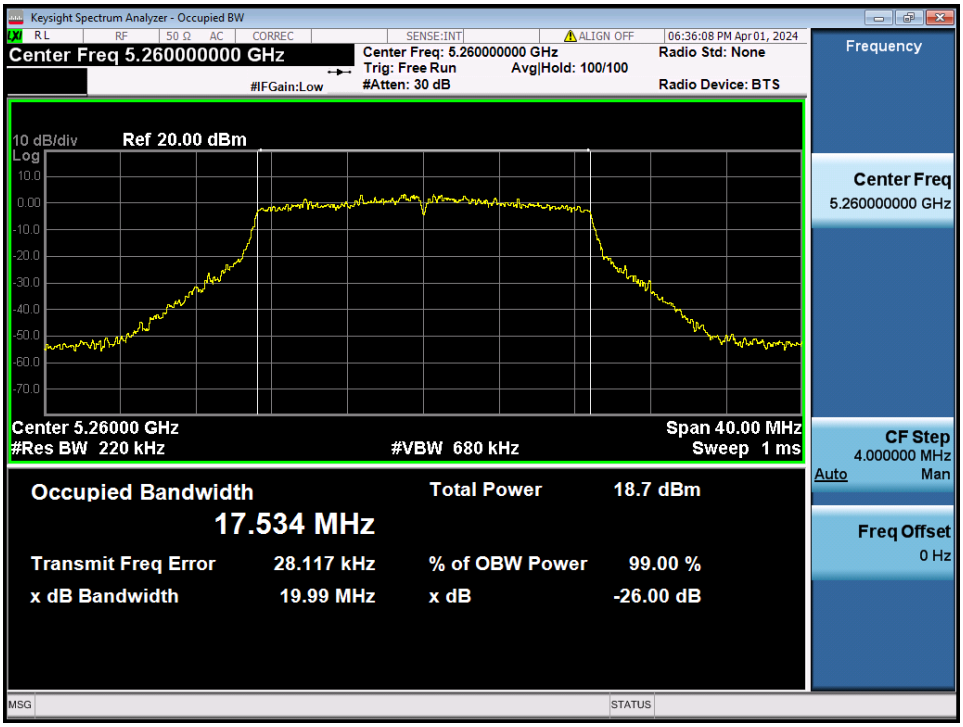
26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.48



26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.52



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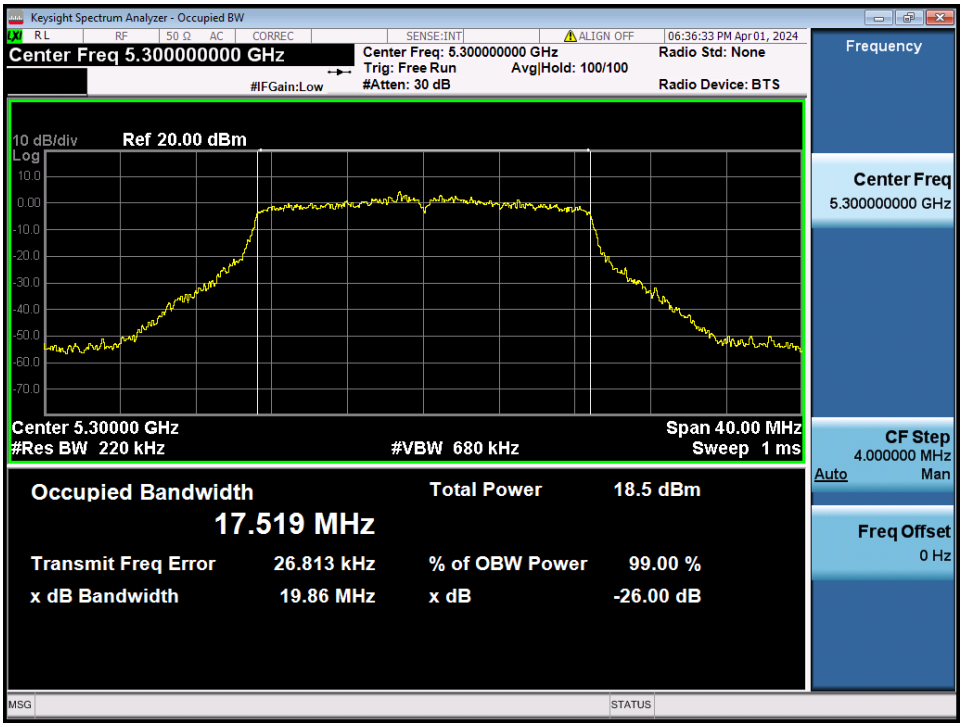
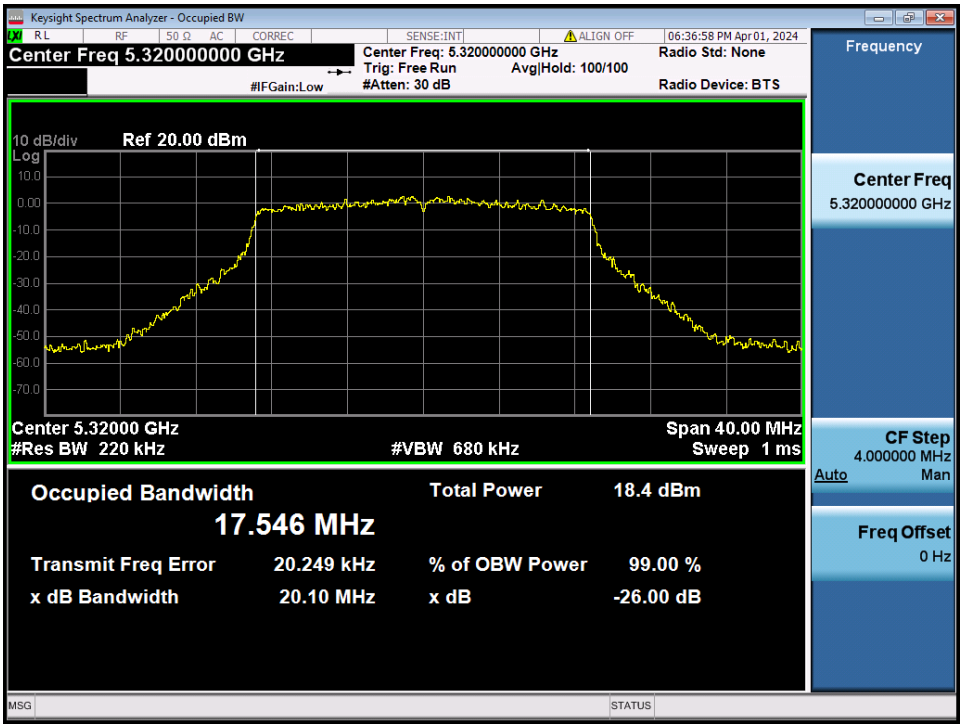
26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.60



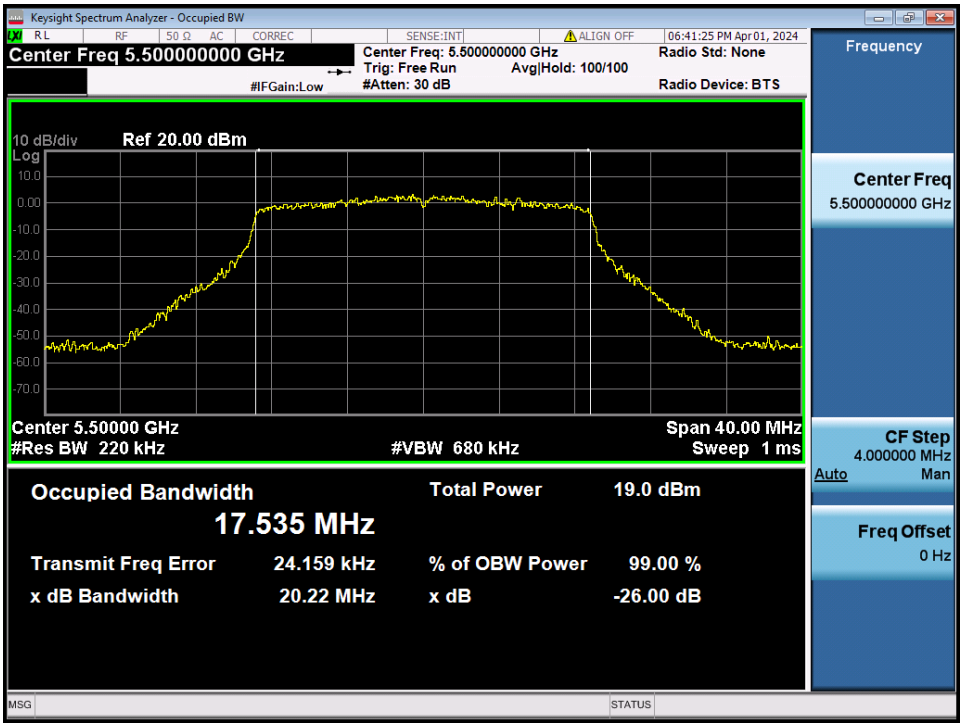
26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.64



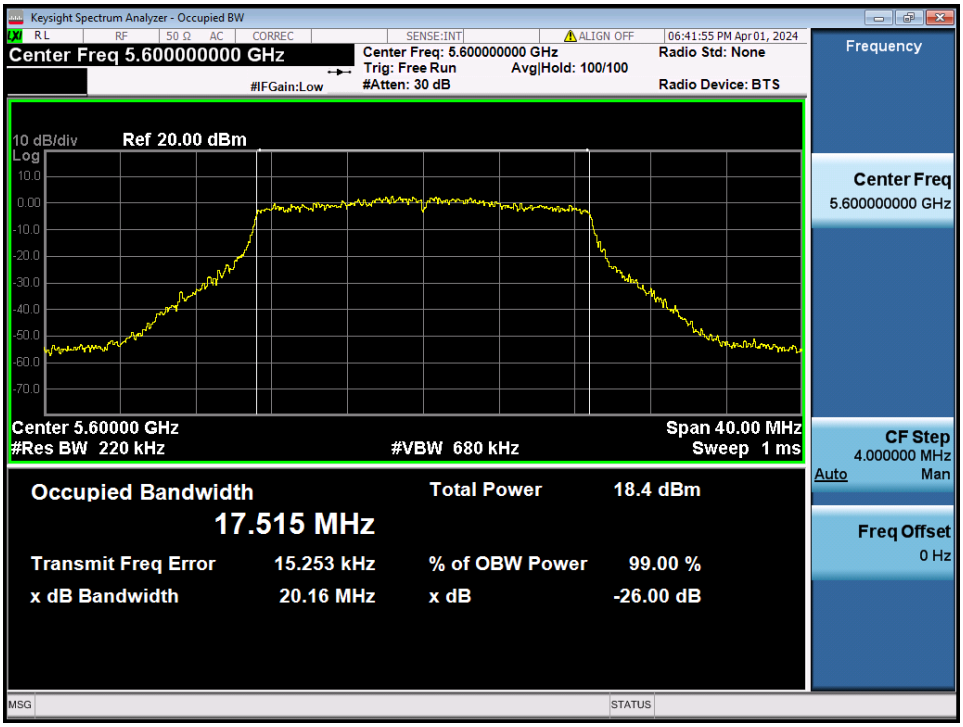
26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.100



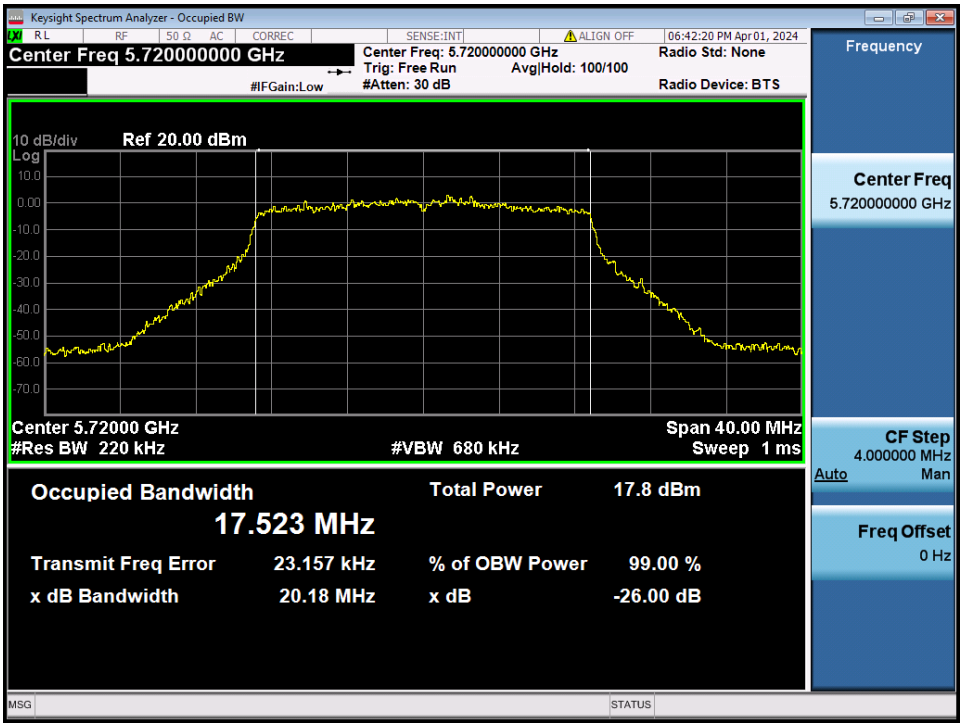
26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.120



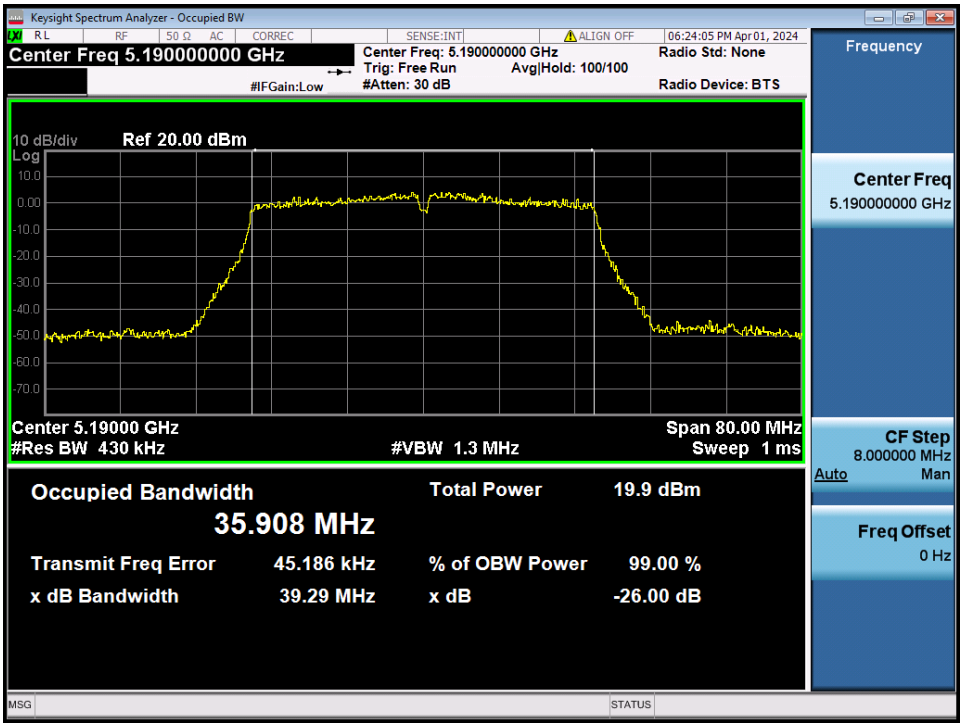
26 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.144



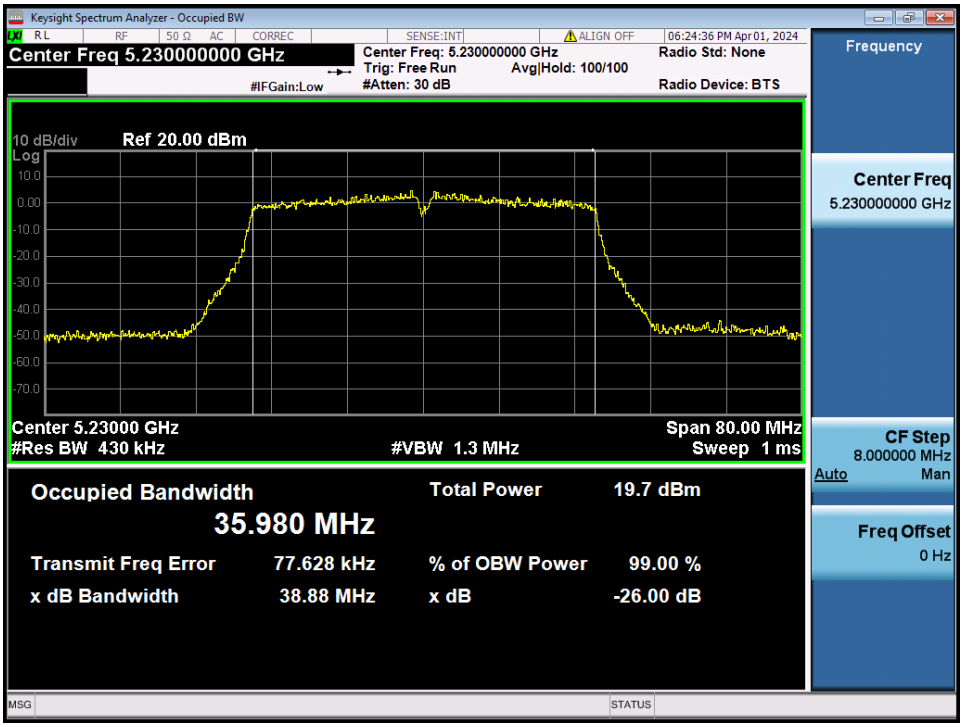
26 dB Bandwidth

Test Mode: TM 3 & ANT 2 & Ch.38



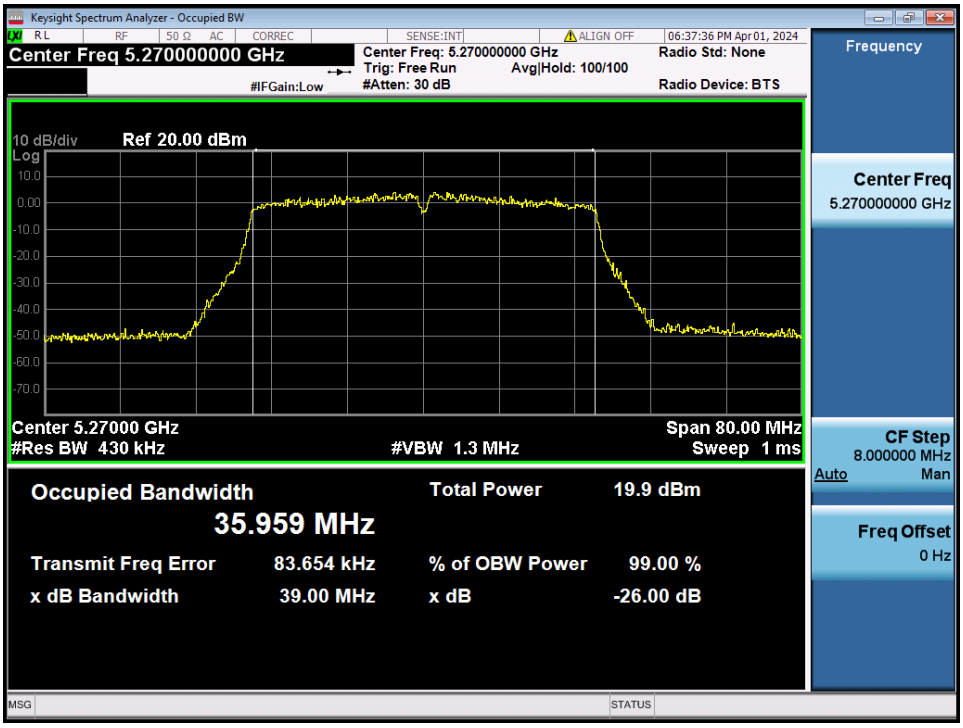
26 dB Bandwidth

est Mode: TM 3 & ANT 2 & Ch.46



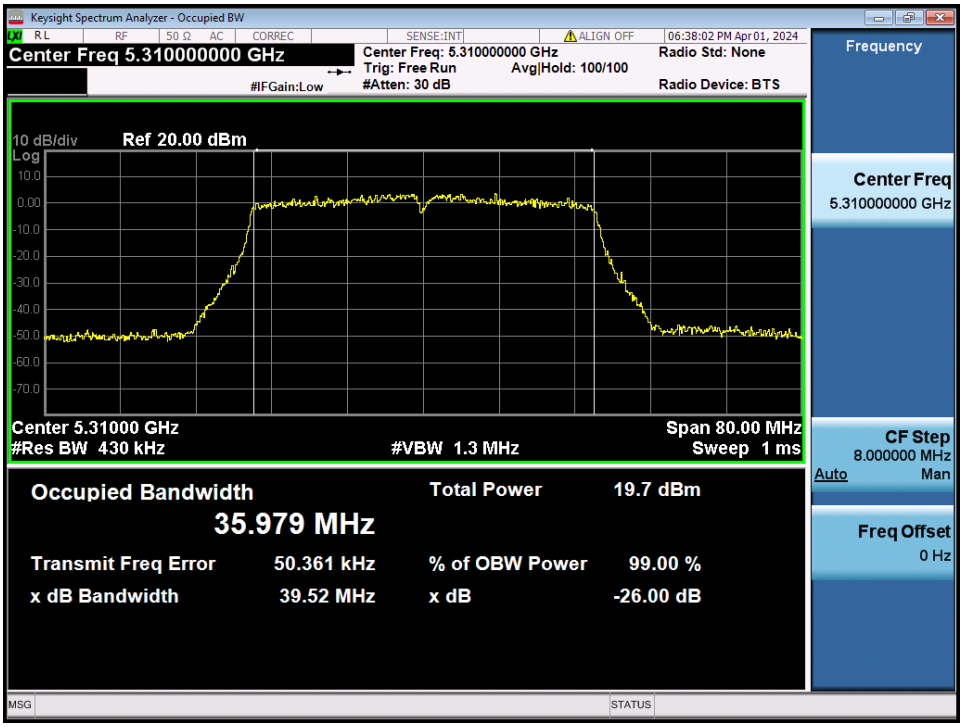
26 dB Bandwidth

Test Mode: TM 3 & ANT 2 & Ch.54



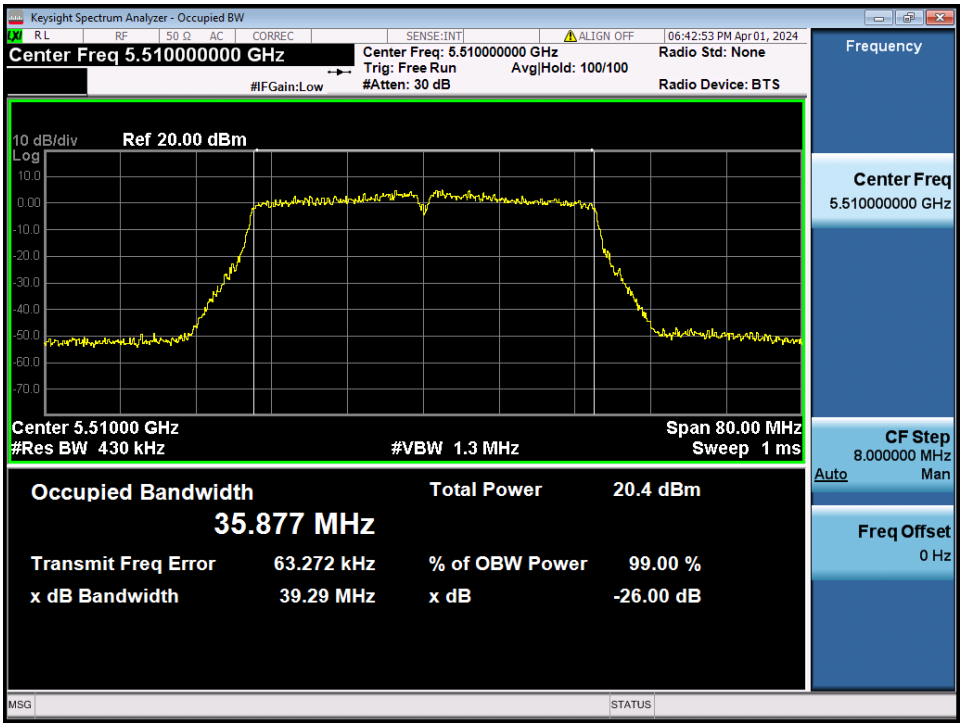
26 dB Bandwidth

Test Mode: TM 3 & ANT 2 & Ch.62



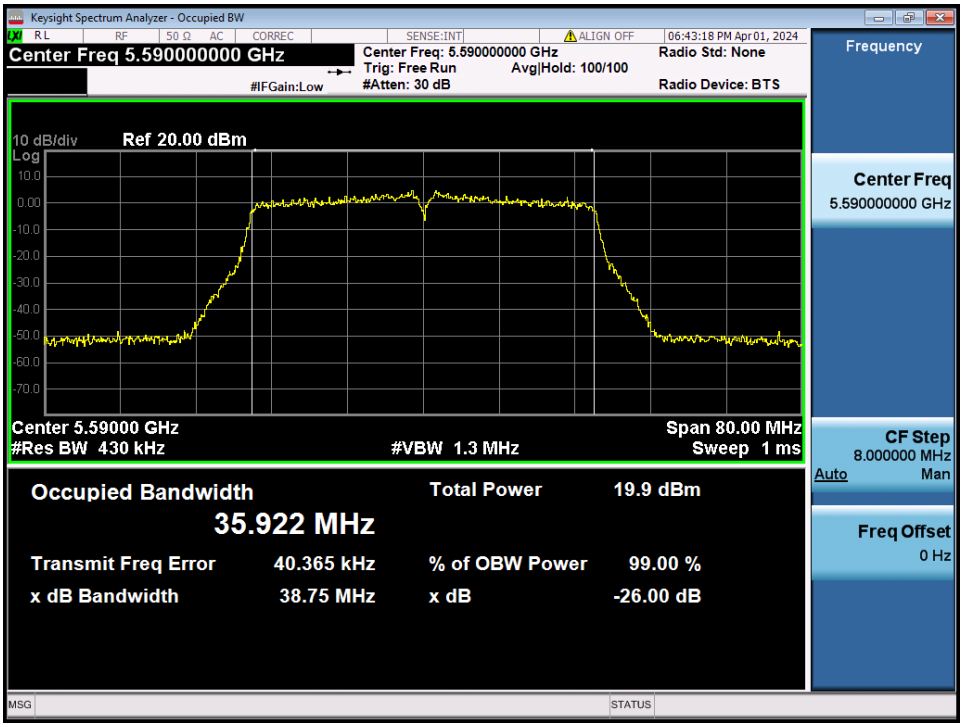
26 dB Bandwidth

Test Mode: TM 3 & ANT 2 & Ch.102



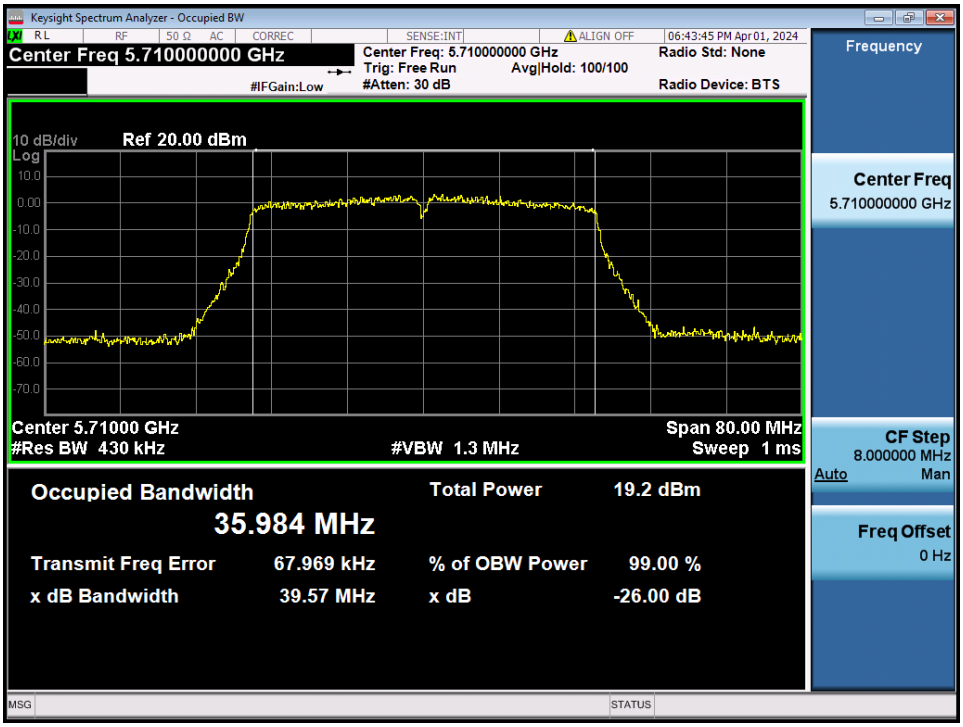
26 dB Bandwidth

Test Mode: TM 3 & ANT 2 & Ch.118



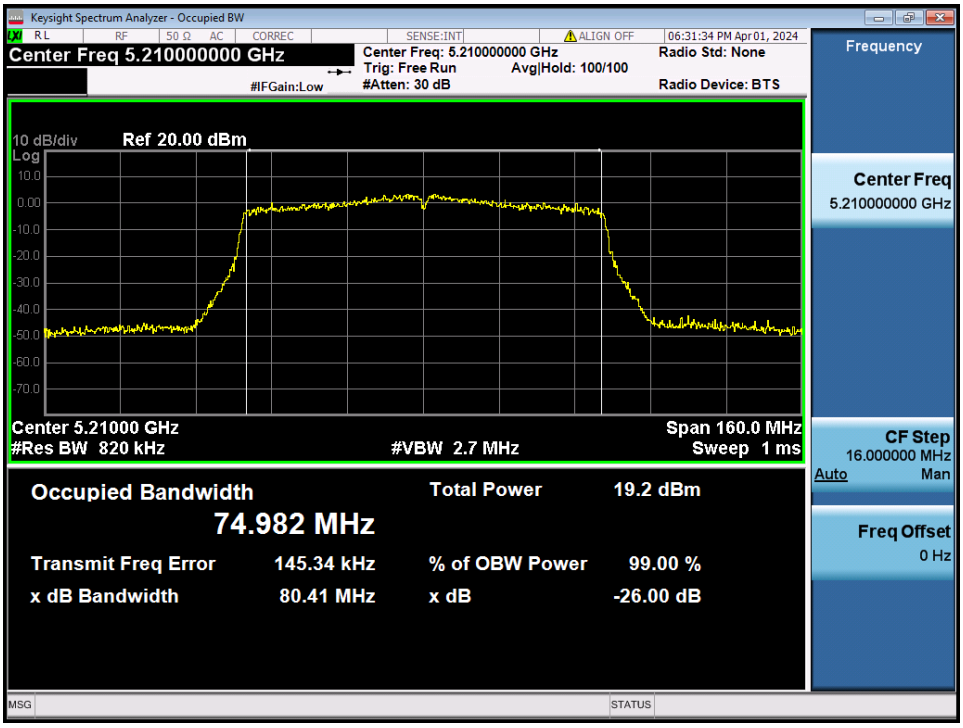
26 dB Bandwidth

Test Mode: TM 3 & ANT 2 & Ch.142



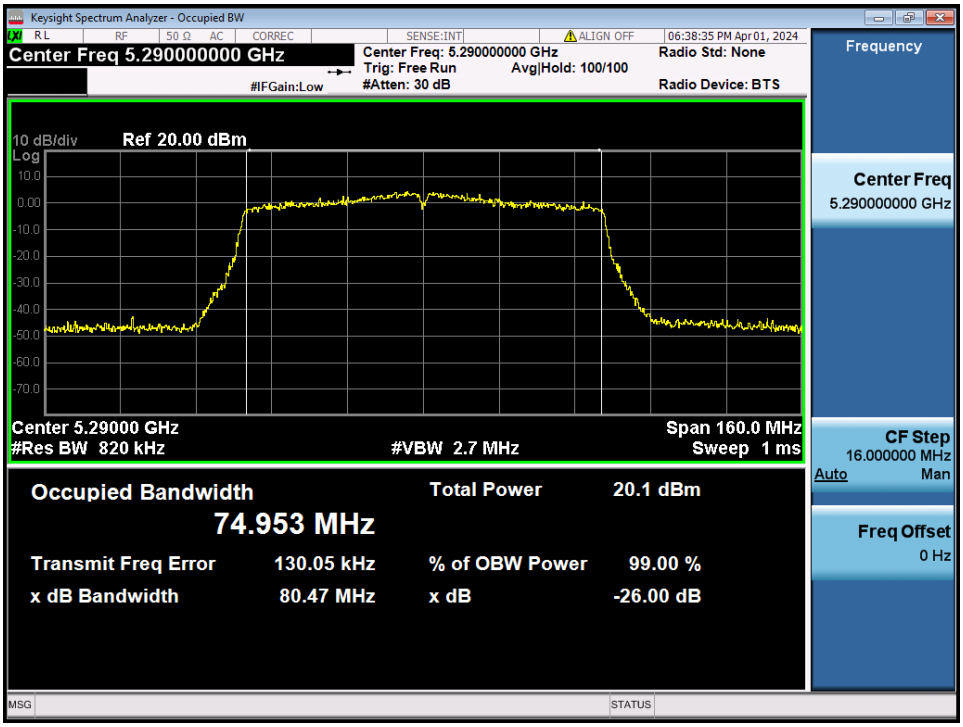
26 dB Bandwidth

Test Mode: TM 4 & ANT 2 & Ch.42



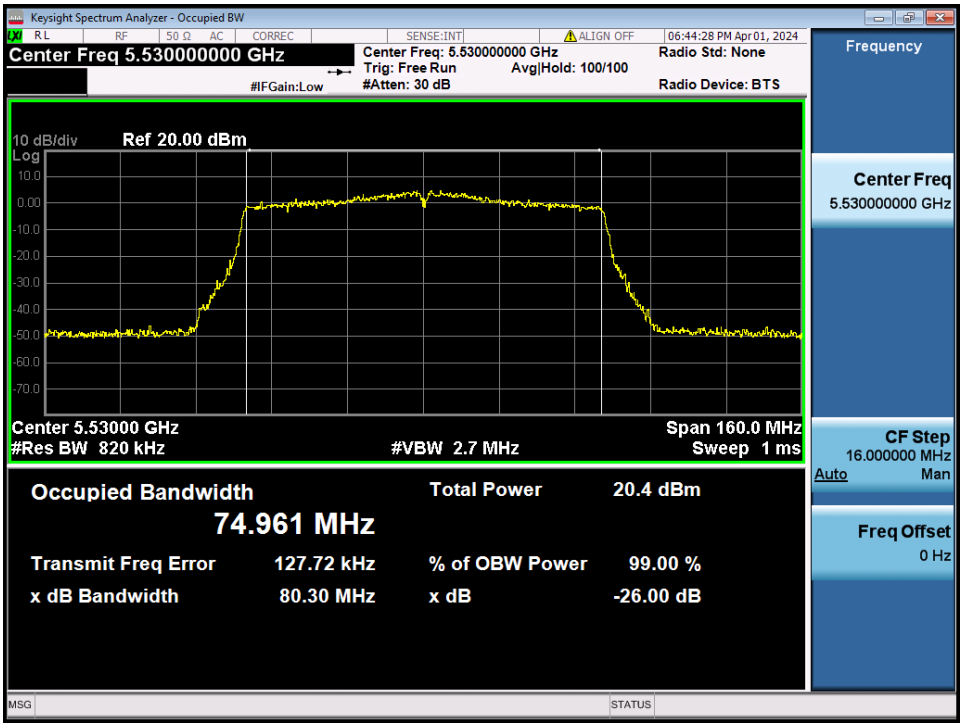
26 dB Bandwidth

Test Mode: TM 4 & ANT 2 & Ch.58



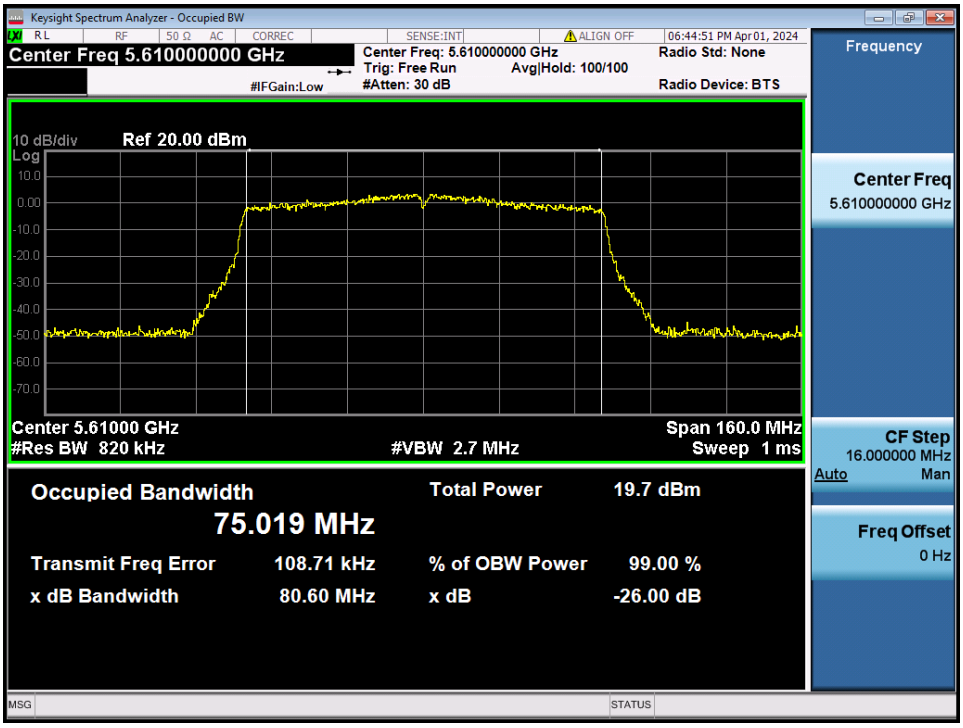
26 dB Bandwidth

Test Mode: TM 4 & ANT 2 & Ch.106



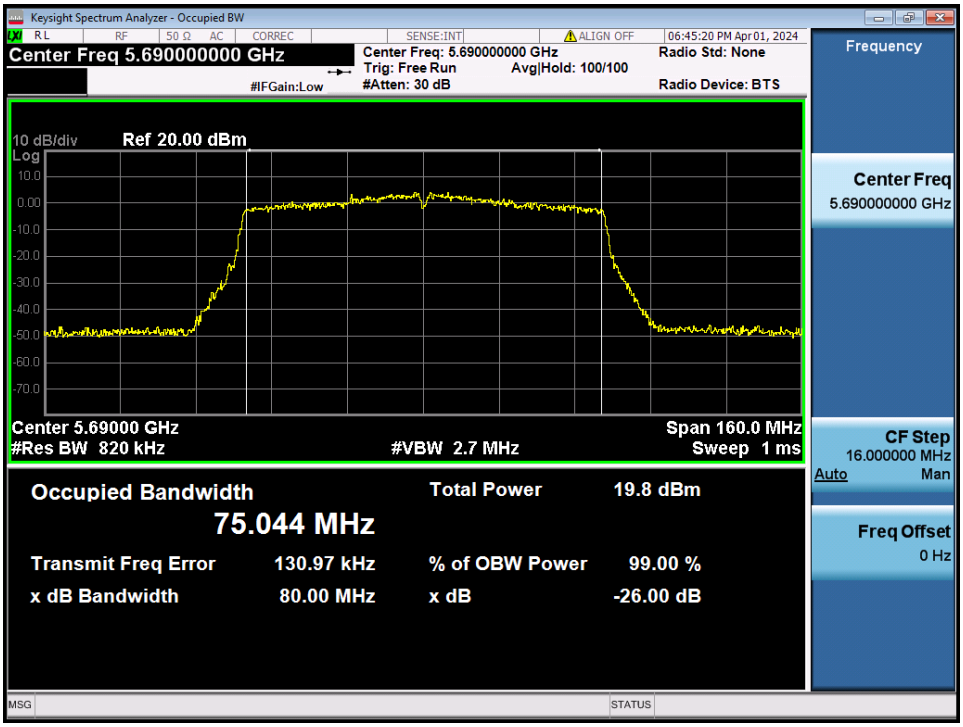
26 dB Bandwidth

Test Mode: TM 4 & ANT 2 & Ch.122



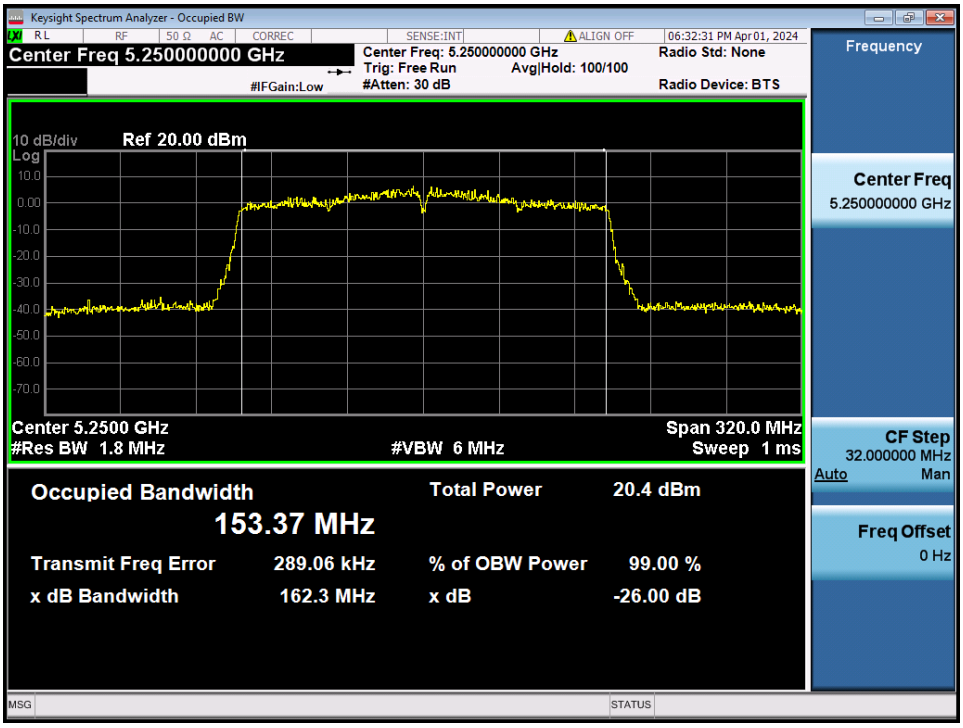
26 dB Bandwidth

Test Mode: TM 4 & ANT 2 & Ch.138



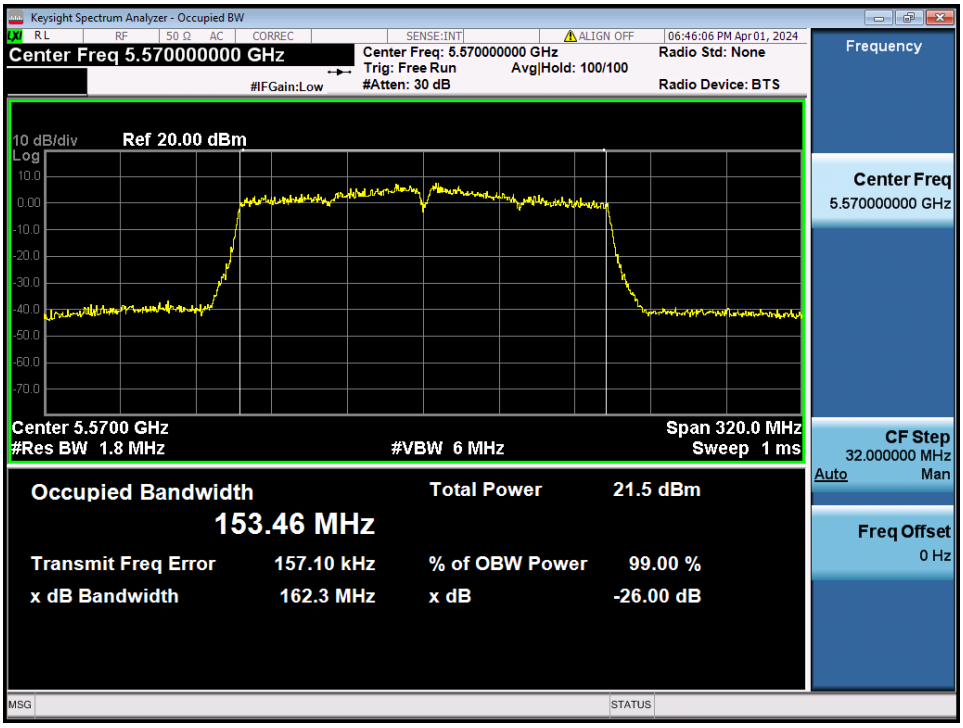
26 dB Bandwidth

Test Mode: TM 5 & ANT 2 & Ch.50



26 dB Bandwidth

Test Mode: TM 5 & ANT 2 & Ch.114



5.2 Minimum Emission Bandwidth (6 dB Bandwidth)

▣ Test Requirements

- Emission Bandwidth (6 dB Bandwidth)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

▣ Test Configuration

Refer to the APPENDIX I.

▣ Test Procedure

- Emission Bandwidth (6 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB789033 D02v02r01**.

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth **≥ 3 x RBW**.
3. Detector = **Peak**.
4. Trace mode = **max hold**.

   Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

▣ **Test Results: Comply**

Test Mode	Band	Channel	Frequency(MHz)	6 dB BW(MHz)	
				ANT 1	ANT 2
TM 1	U-NII 3	149	5 745	15.93	14.96
		157	5 785	15.14	15.13
		165	5 825	15.16	15.11
TM 2	U-NII 3	149	5 745	17.34	17.58
		157	5 785	17.57	17.33
		165	5 825	17.28	16.32
TM 3	U-NII 3	151	5 755	35.09	35.86
		159	5 795	35.88	35.46
TM 4	U-NII 3	155	5 775	75.11	75.08

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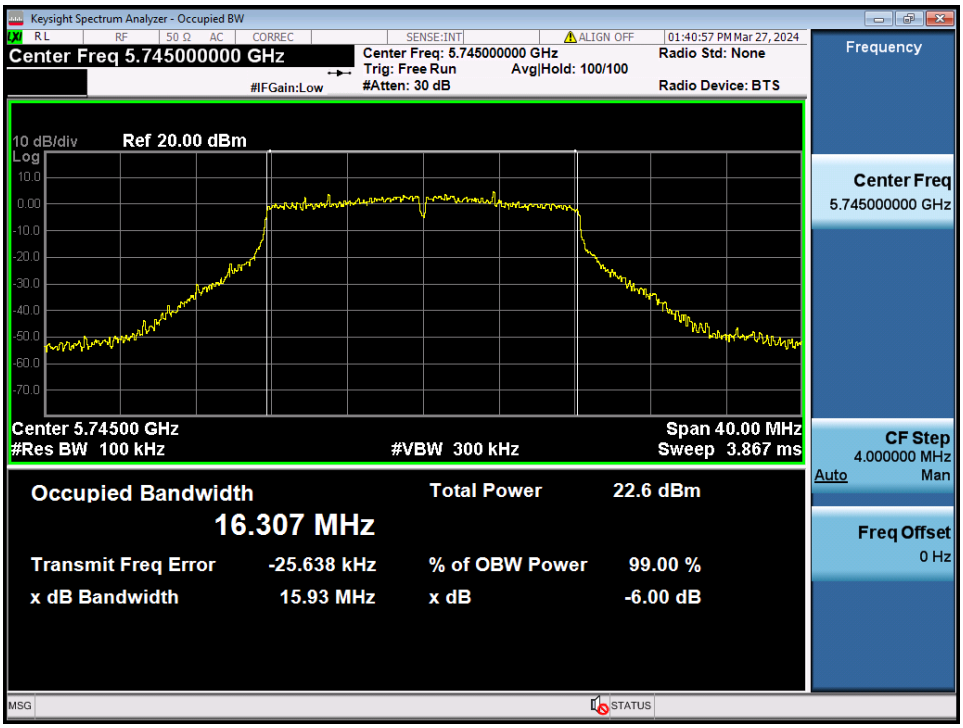
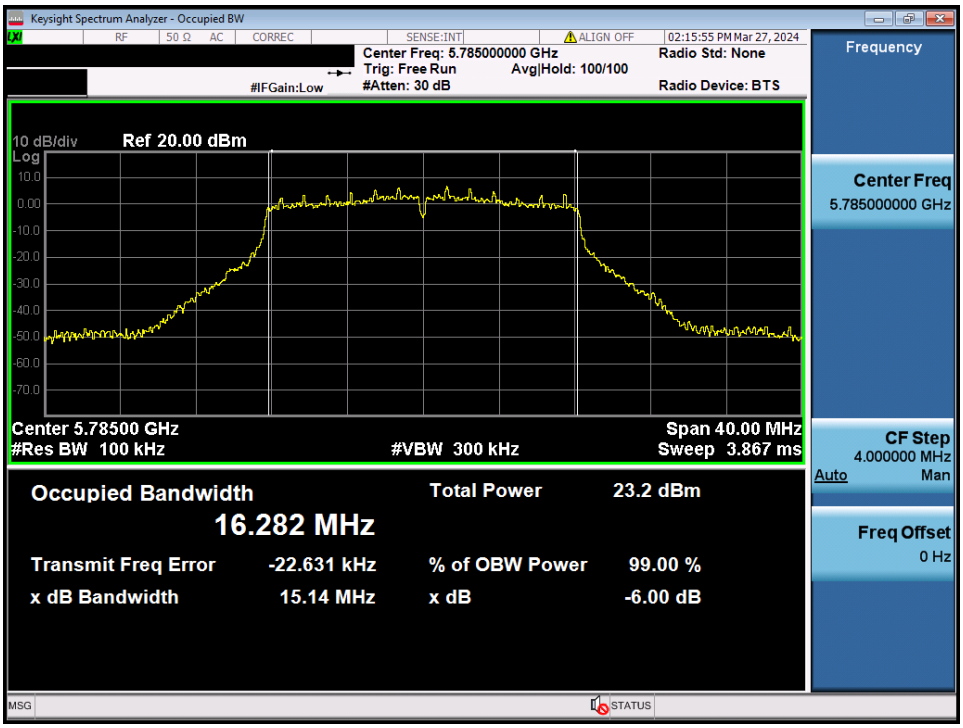
6 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.149



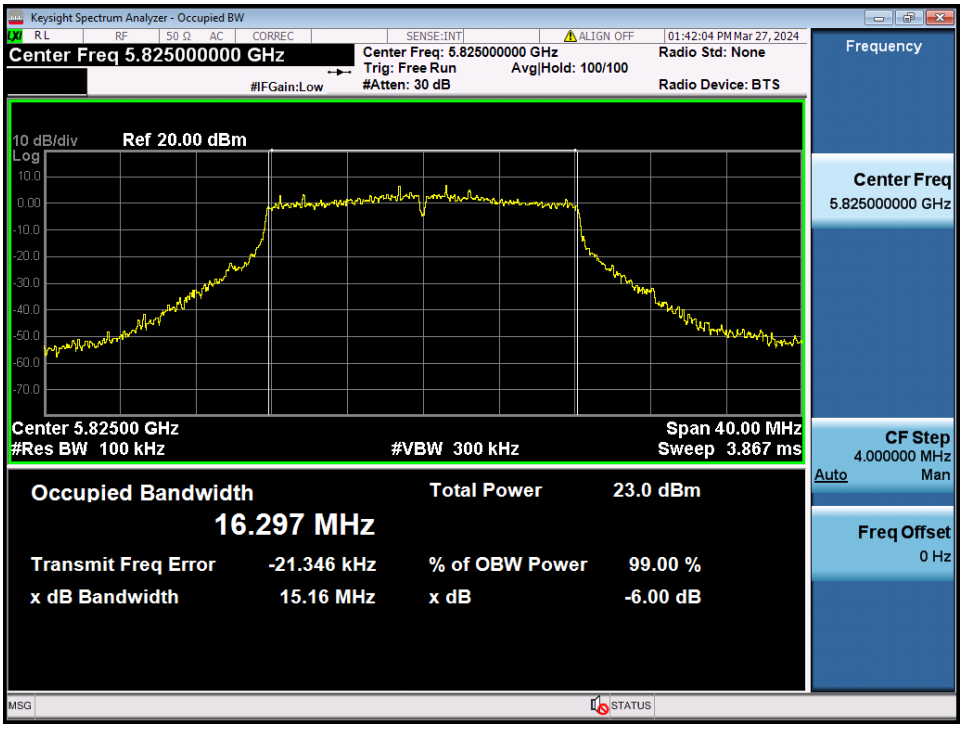
6 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.157



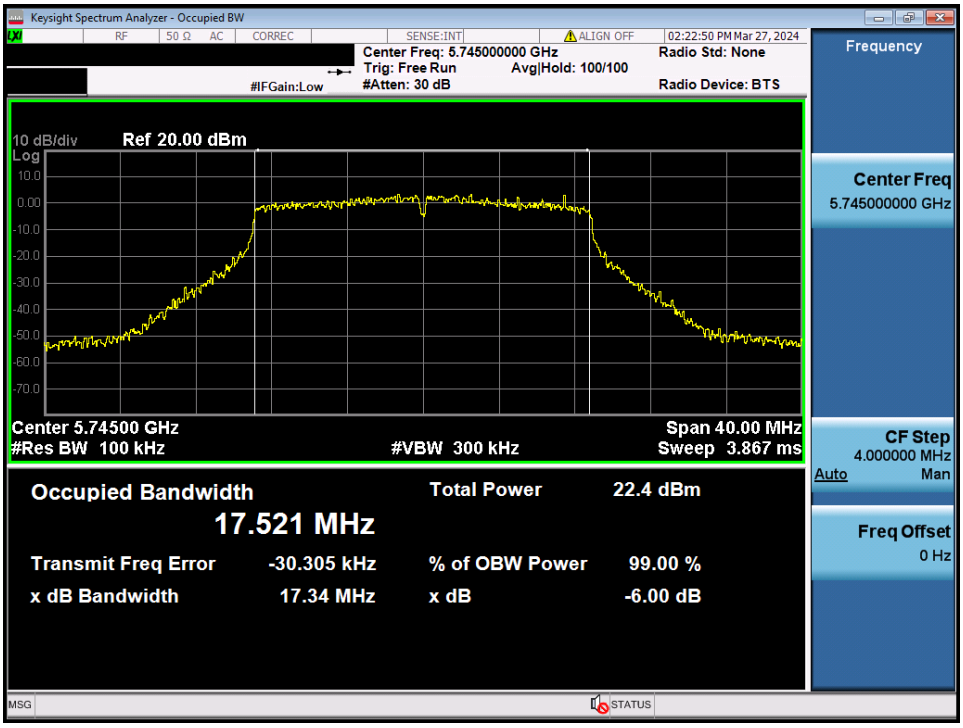
6 dB Bandwidth

Test Mode: TM 1 & ANT 1 & Ch.165



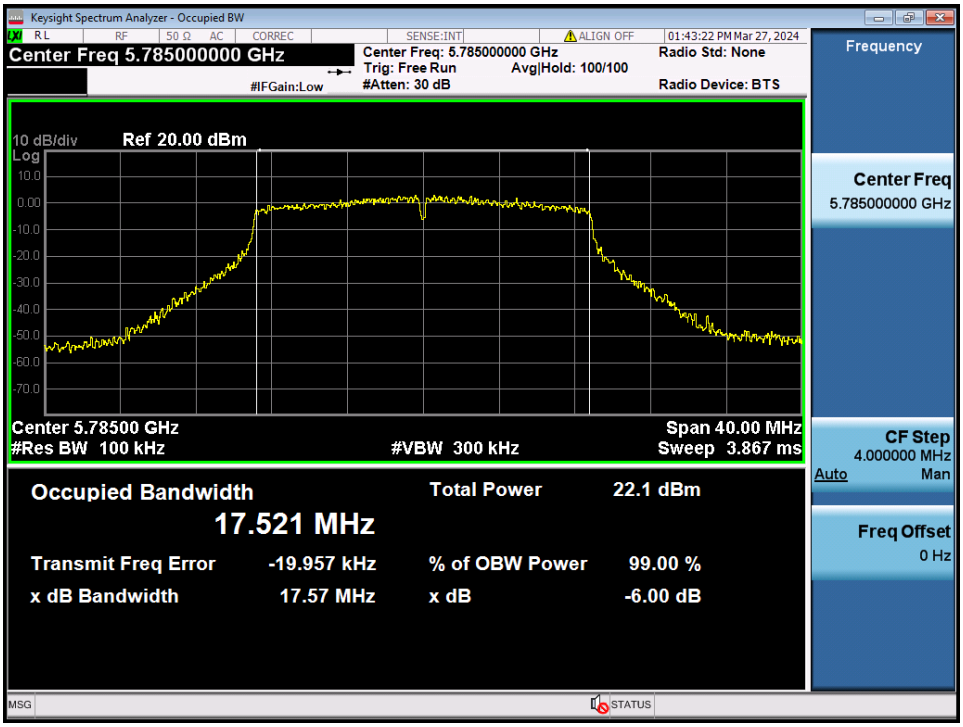
6 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.149



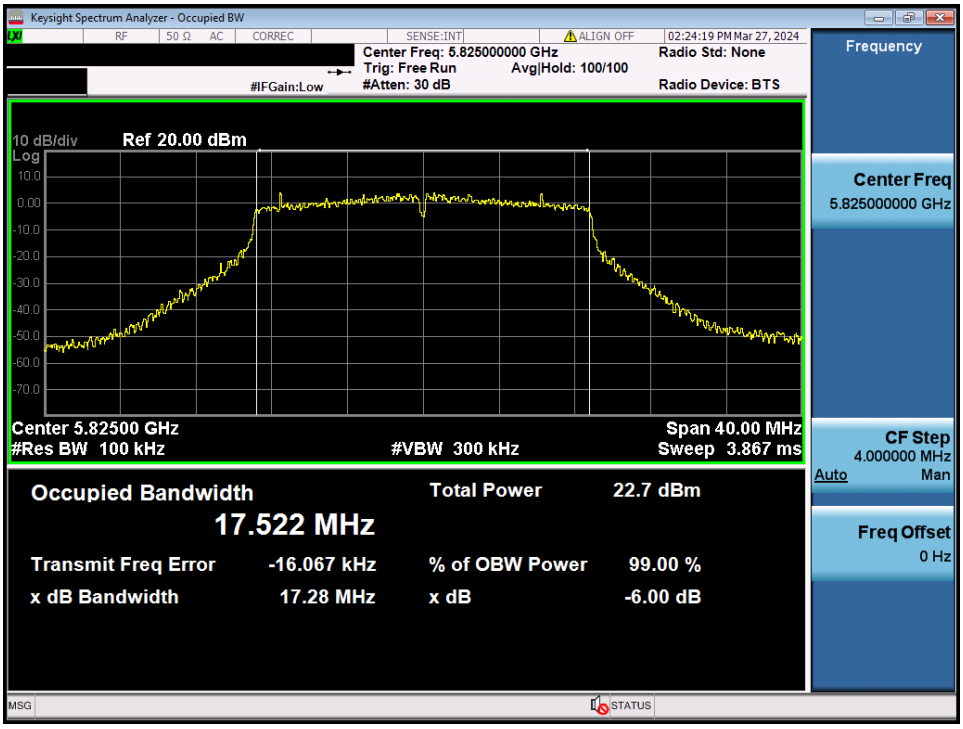
6 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.157



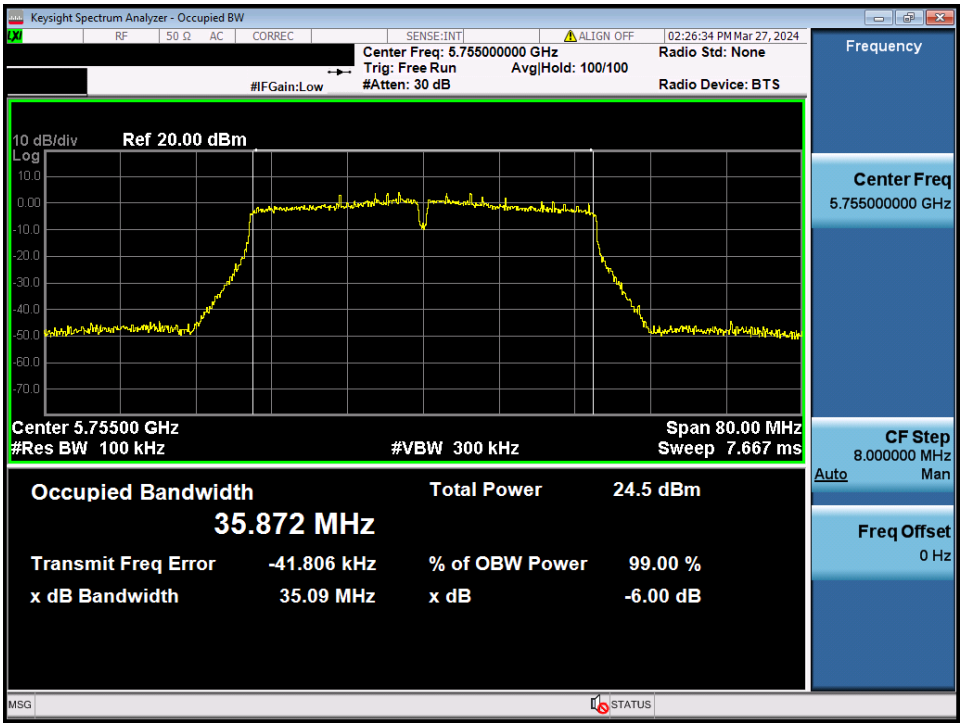
6 dB Bandwidth

Test Mode: TM 2 & ANT 1 & Ch.165



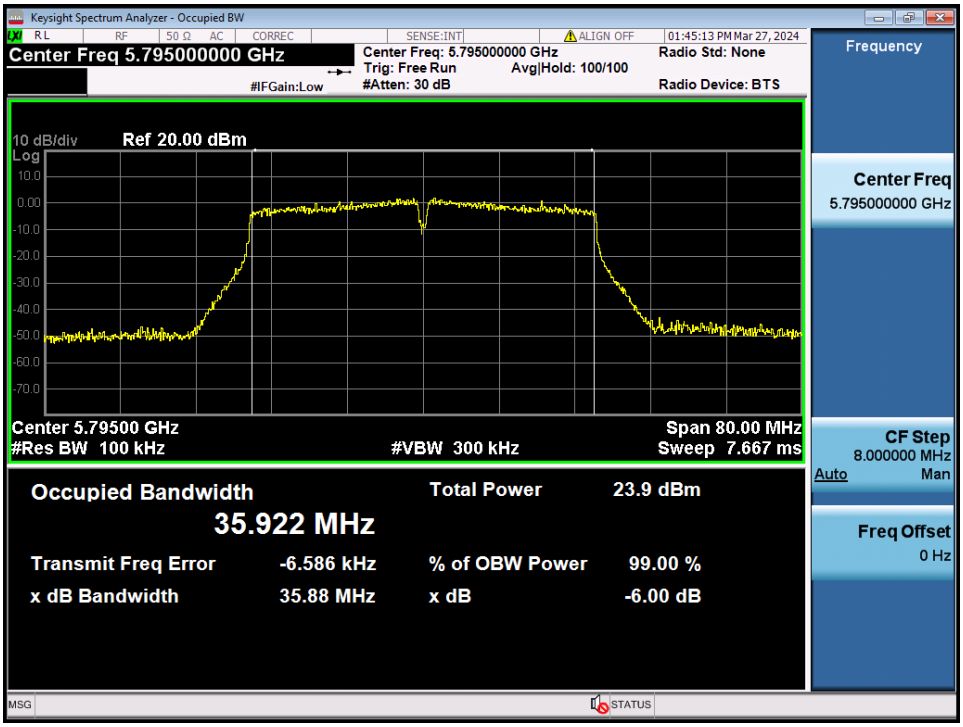
6 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.151



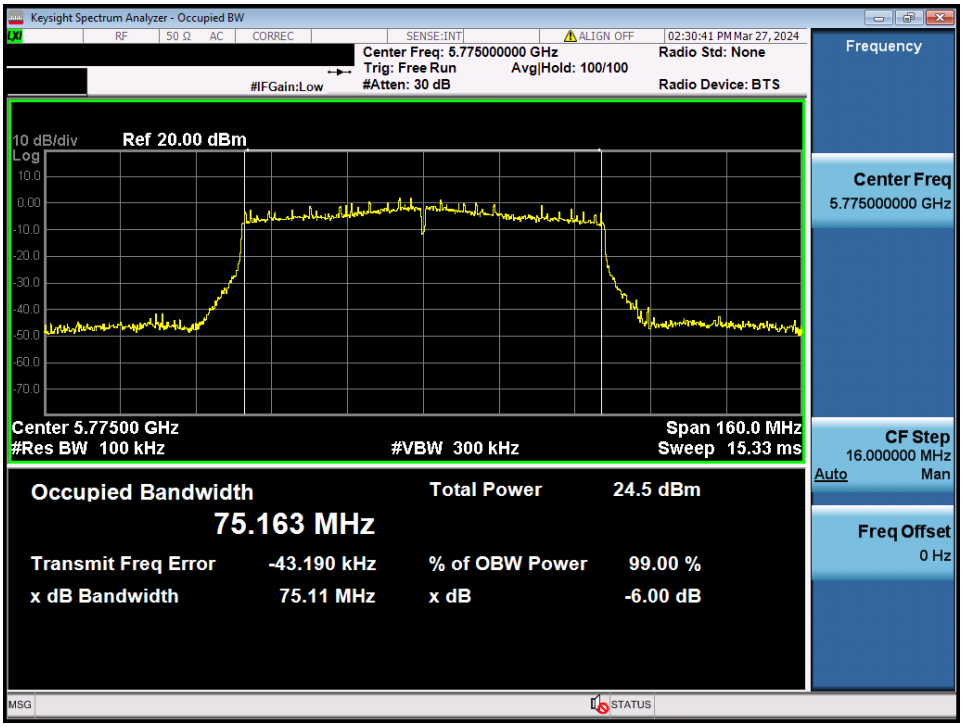
6 dB Bandwidth

Test Mode: TM 3 & ANT 1 & Ch.159



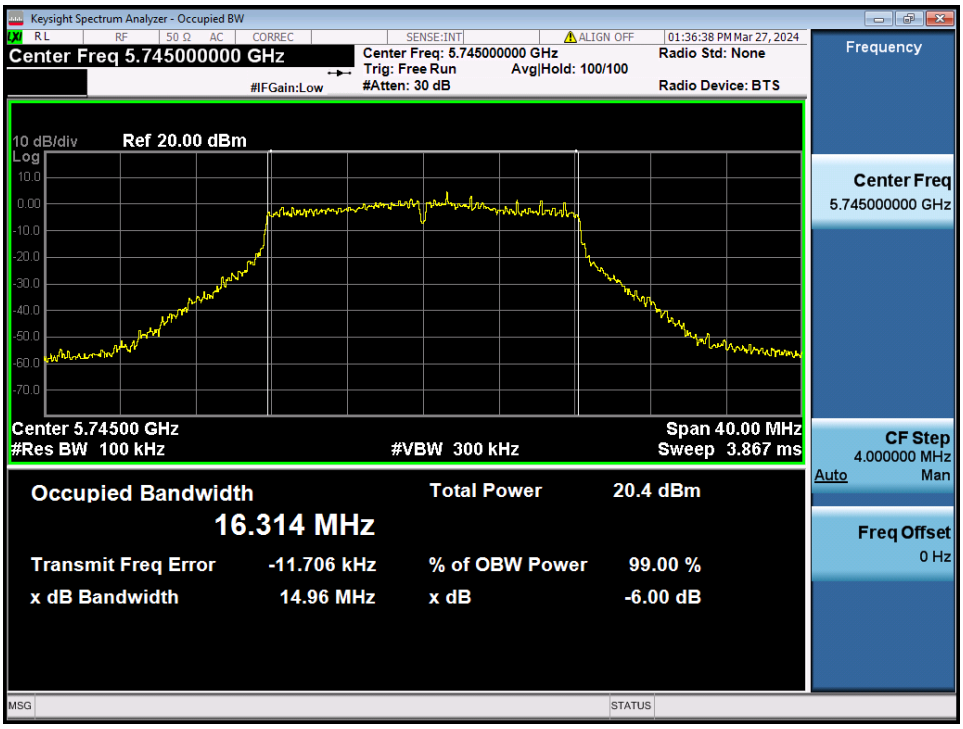
6 dB Bandwidth

Test Mode: TM 4 & ANT 1 & Ch.155



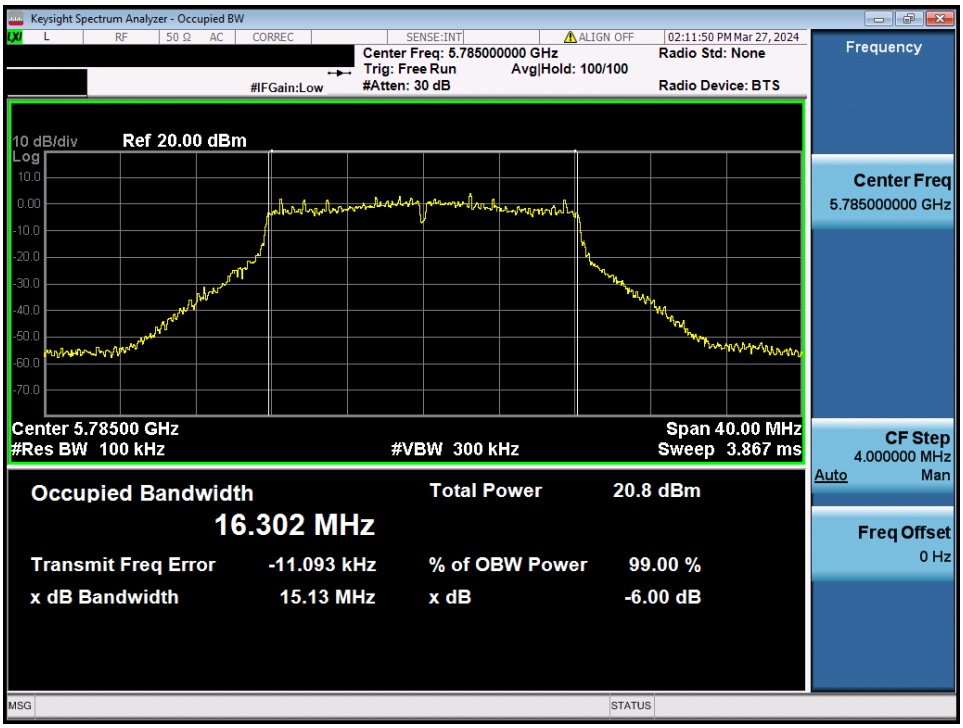
6 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.149



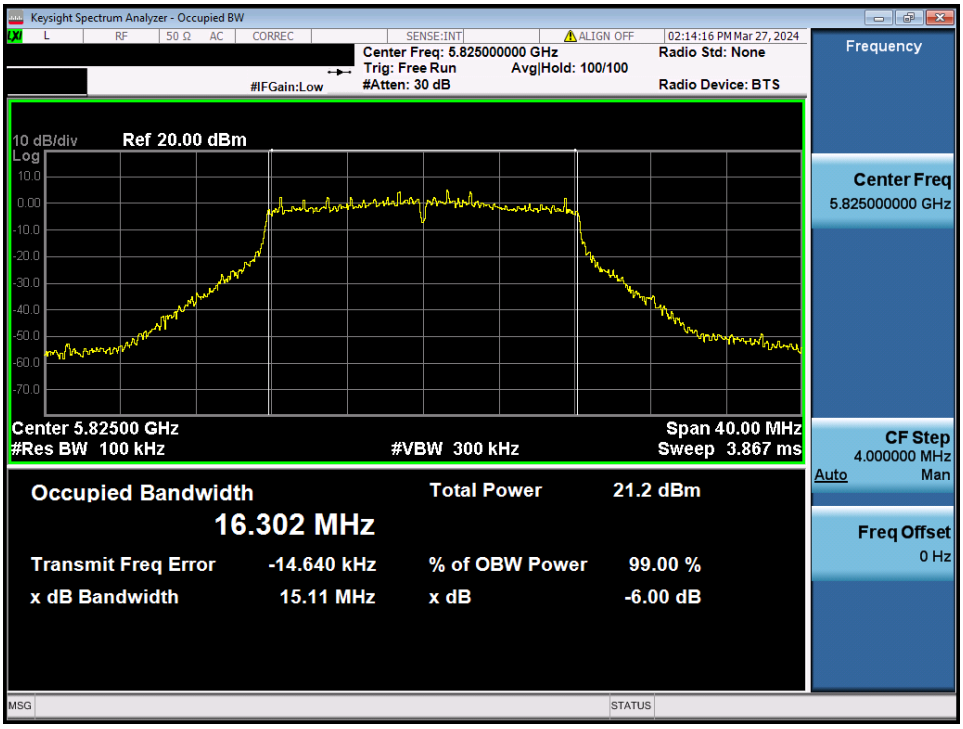
6 dB Bandwidth

Test Mode: TM 1 & ANT 2 & Ch.157



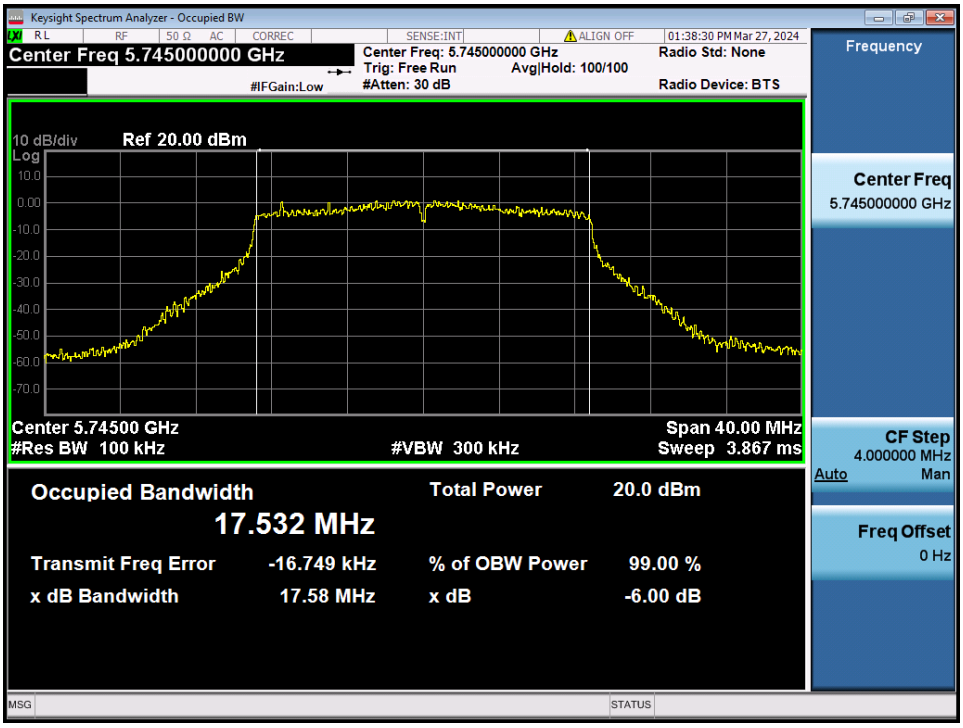
6 dB Bandwidth

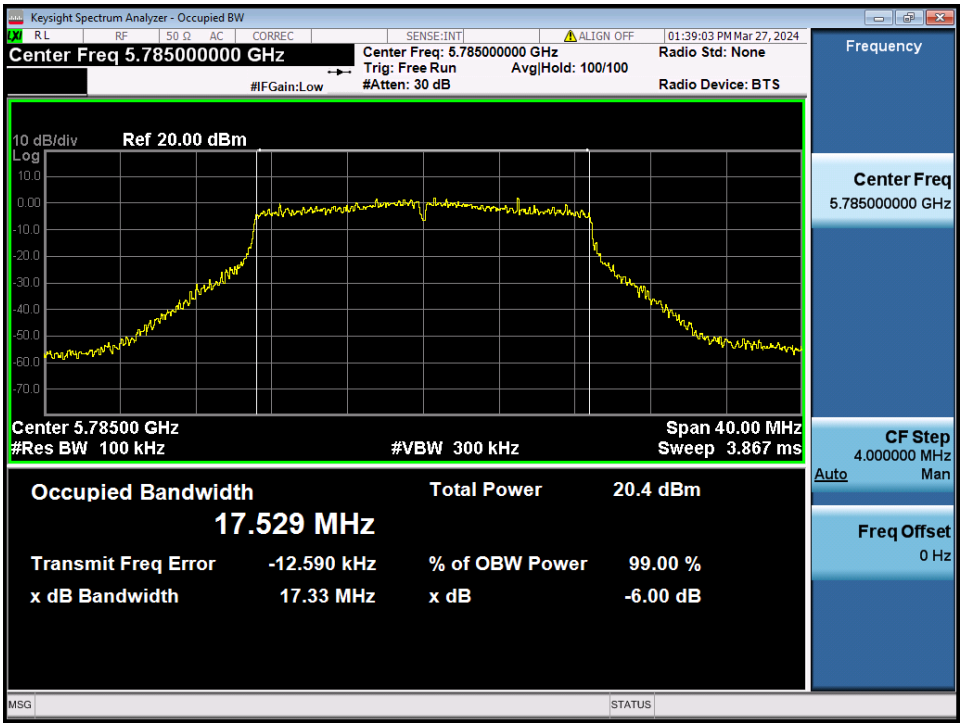
Test Mode: TM 1 & ANT 2 & Ch.165



6 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.149



6 dB Bandwidth

Test Mode: TM 2 & ANT 2 & Ch.157