



FCC TEST REPORT

FCC ID: AJYSLT12PRO

On Behalf of

Geosolution i Goteborg AB

Total Station

Model No.: SLT12 Pro

Prepared for : Geosolution i Goteborg AB
Address : Stora Avagen 21,436 34 ASKIM.Sweden

Prepared By : Shenzhen PSI Testing Co., Ltd.
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Report Number : psi2607065-C01-R11
Date of Receipt : July 10, 2026
Date of Test : July 11, 2026–August 3, 2026
Date of Report : August 4, 2026
Version Number : V0

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TEST REPORT DECLARATION

Applicant : Geosolution i Goteborg AB
Address : Stora Avagen 21,436 34 ASKIM.Sweden
Manufacturer : Geosolution i Goteborg AB
Address : Stora Avagen 21,436 34 ASKIM.Sweden
EUT Description : Total Station
(A) Model No. : SLT12 Pro

(B) Trademark :



Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart E

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart E limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....:

Jensen Wang

Test Engineer

A handwritten signature in black ink that reads "Jensen Wang".

Approved by (name + signature).....:

Simple Guan

Project Manager

A handwritten signature in black ink that reads "Simple Guan".

Date of issue.....:

August 4, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	August 4, 2026	Initial released Issue	Jensen Wang



1 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	Section 15.203 Section 7.1.4 RSS-Gen Issue 5	PASS
AC Power Line Conducted Emission	Section 15.207 Section 7.2.4 RSS-GEN(8.8), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024	N/A
Occupied bandwidth	Section 15.407 (e)	PASS
Maximum Conducted Output Power	Section 15.407(a), RSS-247 5.4(2)	PASS
Power Spectral Density	Section 15.407(a), RSS-247 5.2(2)	PASS
Undesirable Emission	Section 15.407(b), RSS-247 5.5	PASS
Radiated Emission	Section 15.407(b)&15.209 Section 5.5 RSS-Gen(8.9), RSS-247(5.5), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024	PASS
Band Edge	15.205, RSS-247 Issue 2, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024	PASS
Frequency Stability	15.407(f), RSS-GEN(6.11)	PASS

Remark:

1. Pass: The EUT complies with the essential requirements in the standard.
2. Frequency Stability: The manufacturer stated in the user's manual.
3. The conclusion of this test report is judged by actual test data without considering measurement uncertainty.
4. Measurement-method usage KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and ANSI C63.4:2014, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024

1.1 Measurement Uncertainty

Item	Uncertainty
Power Line Conducted Emissions Test	2.13dB
Radiation Emission test in 3m chamber(below 30MHz)	4.07dB
Radiation Emission test in 3m chamber(30MHz to 1GHz)	4.51dB
Radiation Emission test in 3m chamber(1GHz to 18GHz)	5.07dB
Radiation Emission test in 3m chamber(18GHz to 40GHz)	5.21dB
Radio Frequency	48.24KHz
Conducted RF Power	0.41dB
Power Spectral Density	0.39 dB
Occupied-Bandwidth	968Hz
Duty Cycle	1%
Conducted-Spurious Emission	1.26dB

2 General Information

2.1 General Description of EUT

EUT Name : Total Station
Model : SLT12 Pro
Diff : N/A
Test Voltage : DC 7.2V from battery

Radio Technology : 5G WIFI

Operation frequency : 802.11a/802.11ac20/802.11n(HT20): 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz
802.11ac40/802.11n(HT40): 5190-5230MHz, 5270-5310MHz, 5510-5670MHz, 5755-5795MHz
802.11ac80: 5210MHz, 5290MHz, 5530MHz, 5775MHz
Channel separation : 20MHz for 802.11a/802.11ac20/802.11n(HT20)
40MHz for 802.11ac40/ 802.11n(HT40)
80MHz for 802.11ac80
Modulation technology: : IEEE 802.11n: OFDM (64QAM,16QAM,QPSK,BPSK)
IEEE 802.11a: OFDM (64QAM,16QAM,QPSK,BPSK)
IEEE 802.11ac: OFDM (64QAM,16QAM, 256QAM,QPSK,BPSK)
Antenna Type : Internal antenna , Maximum Gain is 1.54dBi.
PMN : N/A
HVIN : N/A
Software version : N/A
Hardware version : N/A
FVIN : N/A

Note : Antenna information is provided by applicant.
Testing lab is not responsible for the accuracy of the information.

2.2 Test mode

Transmitting mode Keep the EUT in transmitting with modulation.
EUT was test with 99% duty cycle at its maximum power control level.

Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

Note: The product comes with two Battery for use, all of which have been tested. The report reflects the data of the worst Battery (Manufacturer: Hi-Target Surveying Instrument Co.,Ltd.).

2.3 Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission
Registration Number: 916281

September 21, 2023 Certificated by IC
Registration Number: 31123
CAB identifier: CN0158

2.4 Description of Support Units

Accessories : Lithium-ion Battery
Manufacturer : Hi-Target Surveying Instrument Co.,Ltd.
Model : BL-6800
Input : 8.4 V DC
Output : 7.2 V DC

Accessories : Lithium-ion Battery
Manufacturer : Dongguan Large Electronics Co.,Ltd.
Model : BL-6800
Input : 8.4 V DC
Output : 7.2 V DC

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

2.7 Other Information Requested by the Customer

None.

2.8 Additional instructions

Software (Used for test) from client

Channel	Power level
Lowest	Default
Middle	Default
Highest	Default

2.9 Test Conditions

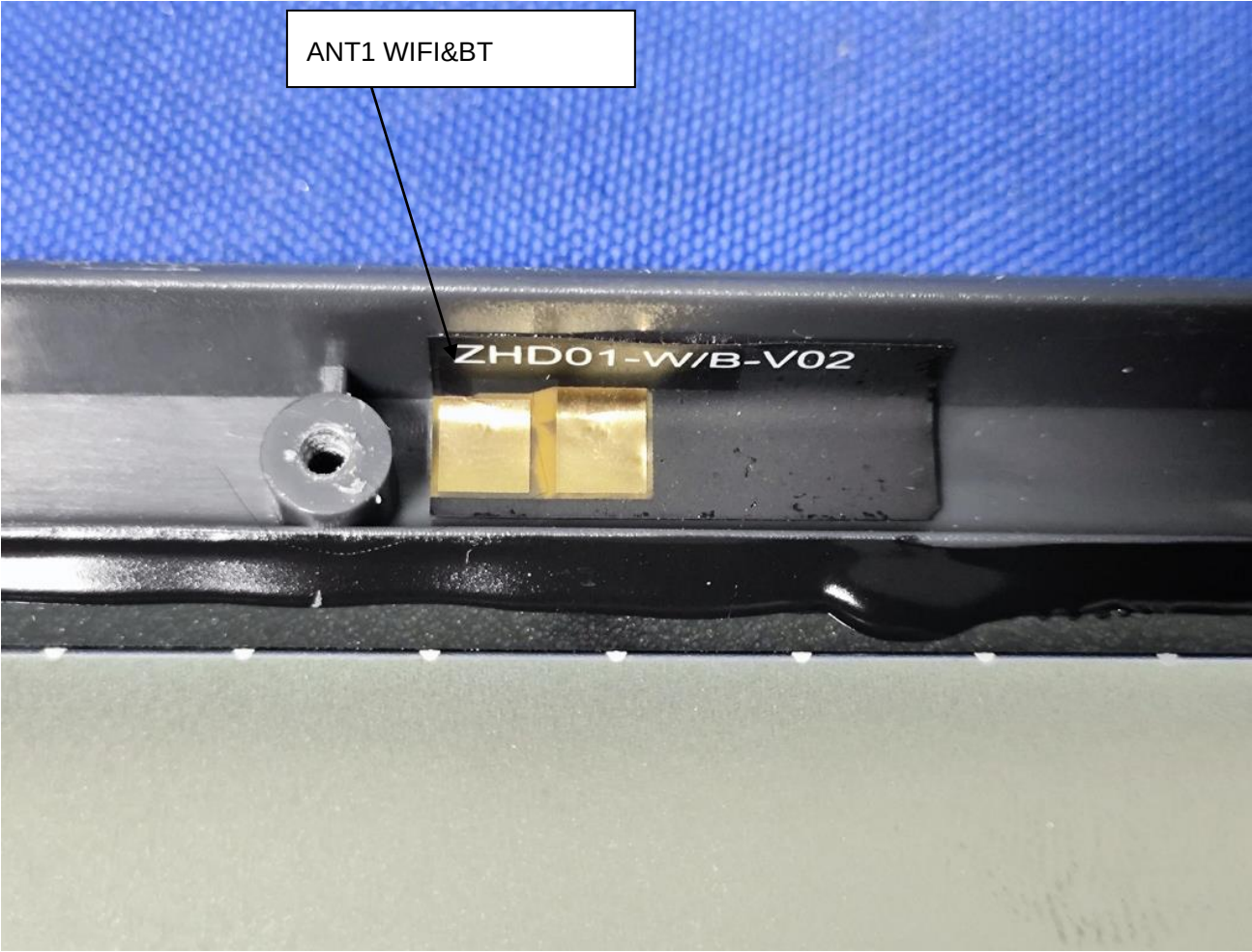
Items	Required	Actual
Temperature range:	15-35℃	26℃
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

3 Test Instruments list

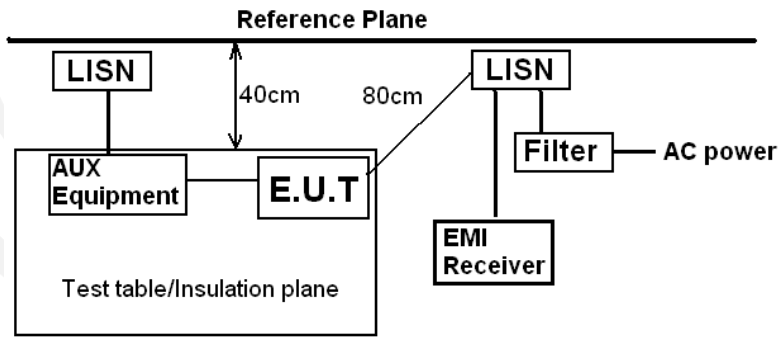
Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2025.12.18	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2025.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV 216	102282	/	2025.12.18	1 Year
4.	L.I.S.N.#2	EMCO	3810-2	00094944	/	2025.12.18	1 Year
5.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
6.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
7.	Spectrum Analyzer	Rohde&Schwarz	FSV40-N	101648	3.70	2025.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
9.	Amplifier	SKET	LNPA_0118 G-50	SK20220329 01	/	2025.12.18	1 Year
10.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
11.	Amplifier	SKET	LNPA_1840 G-50	SK20190403 02	/	2025.12.18	1 Year
12.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02 -1111533-Fz	/	2025.12.18	1 Year
13.	RF Sensor Unit	Tachoy	TR1029-2	20220428P0 08	/	2025.12.18	1 Year
14.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2025.12.18	1 Year
15.	Temp. & Humid Chamber	Auchno	9606	/	/	2025.12.18	1 Year
16.	Regulated DC Power Supply	Xinouhua	ADC120V10 A	20221125163 8	/	2025.12.18	1 Year
17.	Cable	SKET	Cable-RE-1	#02/#03	/	2025.12.18	1 Year
18.	Cable	SKET	Cable-RE-2	#01	/	2025.12.18	1 Year
19.	Cable	SKET	Cable-RE-3	#04	/	2025.12.18	1 Year
20.	Cable	SKET	Cable-CE-1	A-E-24	/	2025.12.18	1 Year
21.	6dB Attenuator	Schwarzbeck	DGA 9552N 6dB	CK4186	/	2025.12.18	1 Year
22.	Power meter	Agilent	E4419B	GB40202121	/	2025.12.18	1 Year
23.	Comprehensive Test Instrument	Rohde&Schwarz	CMW 500	145266	/	2025.12.18	1 Year
For Test Software Information							
Item	Software Name	Manufacturer			Version		
RE	EZ EMC	Farad			PSI-3A1		
CE	EZ EMC	Farad			PSI-3A1		
RF	RTS	TACHOY			V1.0.0		

4 Test results and Measurement Data

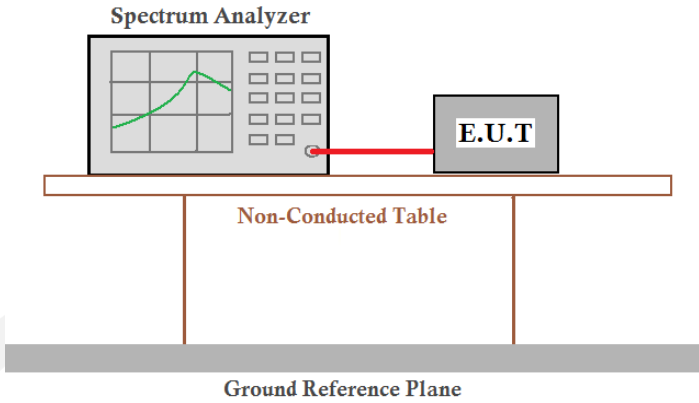
4.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203, RSS-GEN(6.8)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
E.U.T Antenna:	
Internal antenna , Maximum Gain is 1.54dBi, for 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz	
	

4.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207, RSS-Gen §8.8		
Test Method:	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024		
Test Frequency Range:	150KHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9KHz, VBW=30KHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test procedure	The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 on conducted measurement.		
Test setup:	 Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m		
Test Instruments:	Refer to section 3.0 for details		
Test mode:	Refer to section 2.2 for details		
Test results:	N/A		

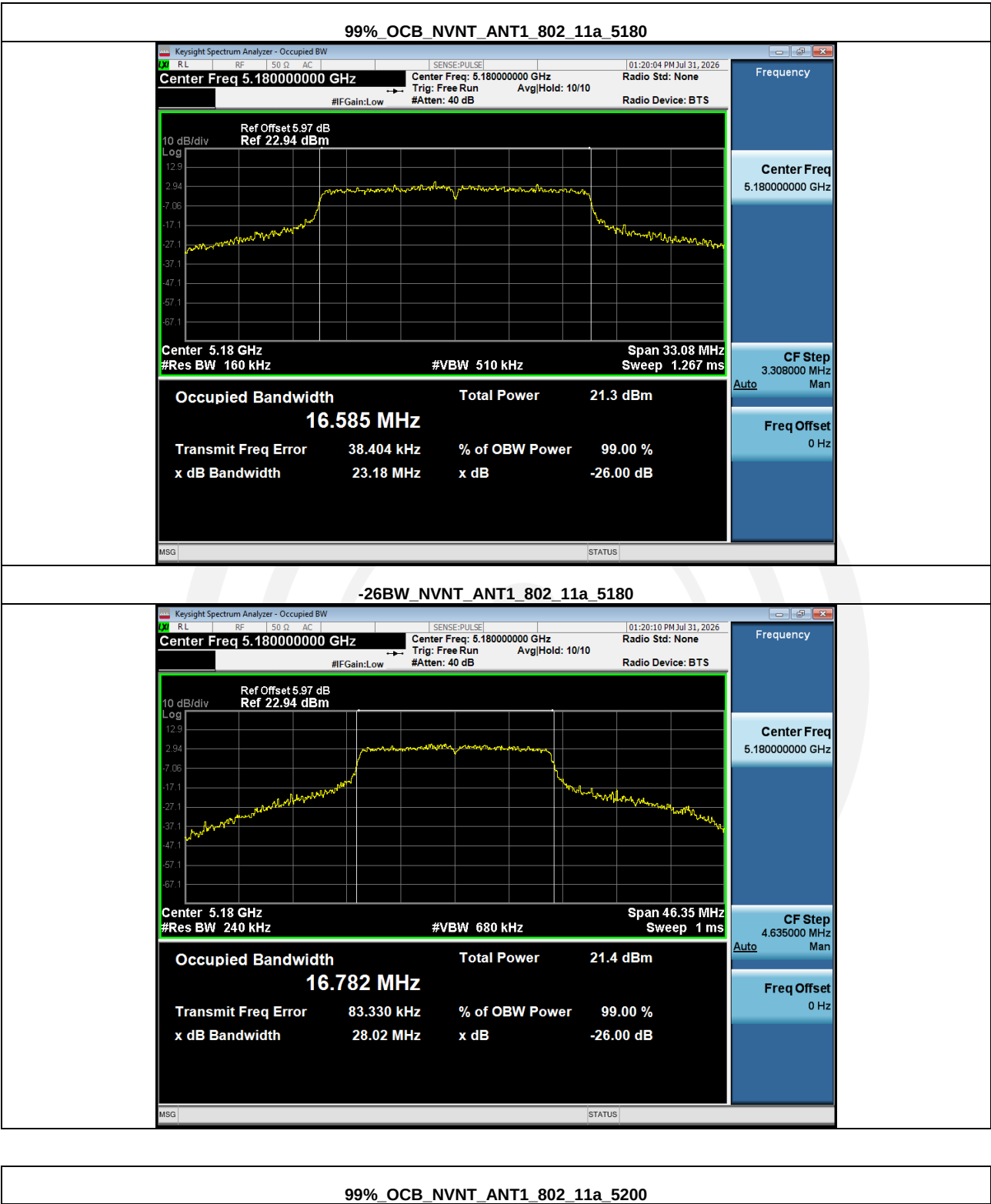
4.3 Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	FCC Part15 E Section 15.407, RSS-Gen §6.7; RSS-247 §6.2
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	N/A
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.
Test procedure:	According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Measurement Data:

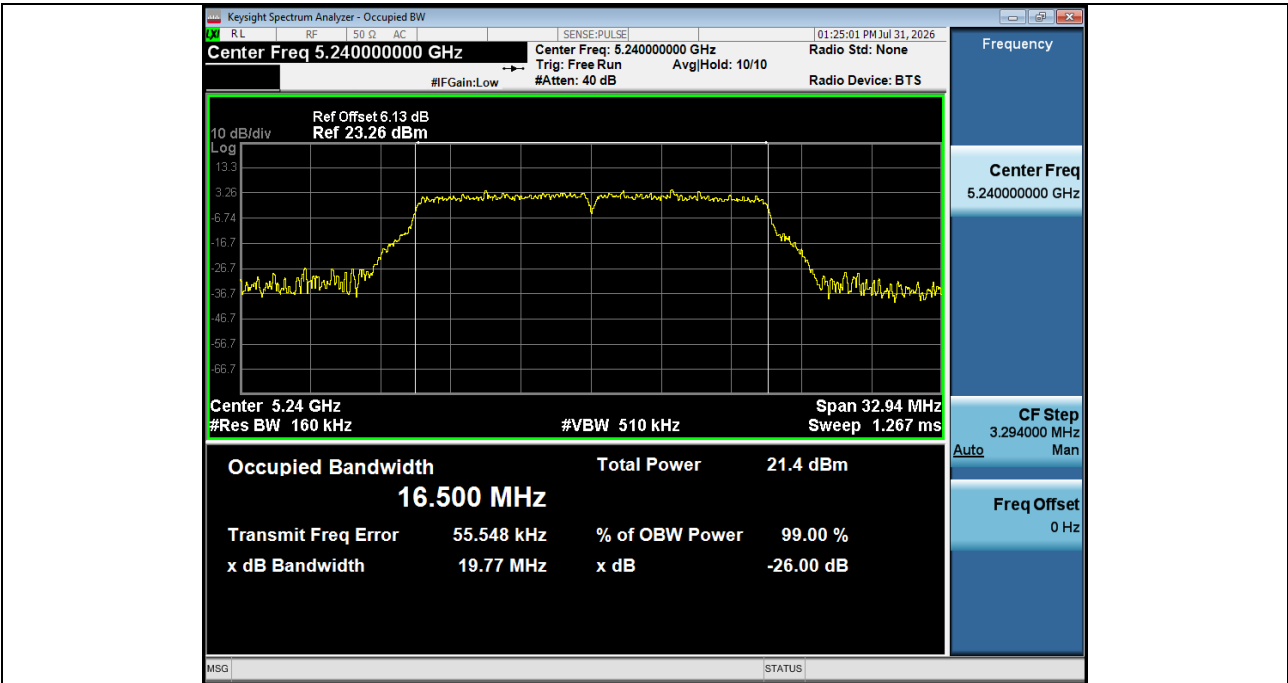
Band 1 (5150-5250 MHz):

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	28.02	16.59
NVNT	ANT1	802.11a	5200.00	27.08	16.64
NVNT	ANT1	802.11a	5240.00	19.91	16.50
NVNT	ANT1	802.11n(HT20)	5180.00	25.48	17.81
NVNT	ANT1	802.11n(HT20)	5200.00	30.28	17.84
NVNT	ANT1	802.11n(HT20)	5240.00	20.19	17.67
NVNT	ANT1	802.11ac(VHT20)	5180.00	29.15	17.81
NVNT	ANT1	802.11ac(VHT20)	5200.00	32.02	17.84
NVNT	ANT1	802.11ac(VHT20)	5240.00	20.25	17.66
NVNT	ANT1	802.11n(HT40)	5190.00	56.55	36.27
NVNT	ANT1	802.11n(HT40)	5230.00	40.05	35.99
NVNT	ANT1	802.11ac(VHT40)	5190.00	55.27	36.34
NVNT	ANT1	802.11ac(VHT40)	5230.00	40.10	36.03
NVNT	ANT1	802.11ac(VHT80)	5210.00	101.41	75.51

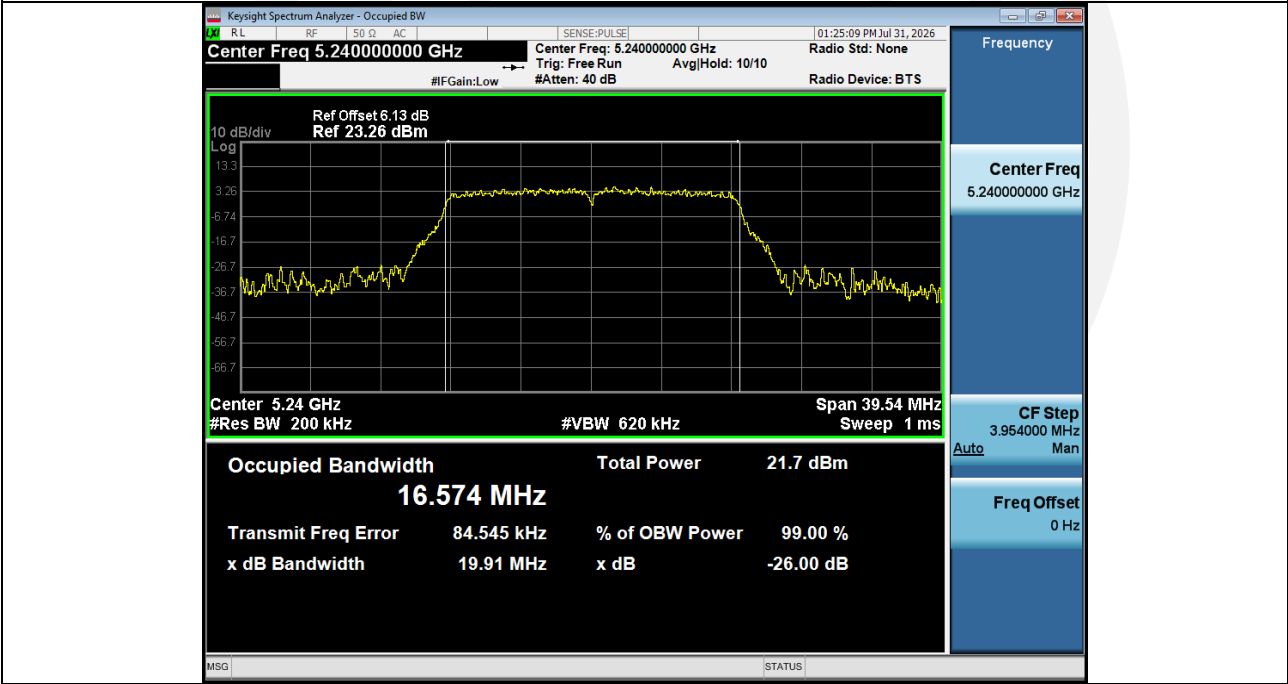




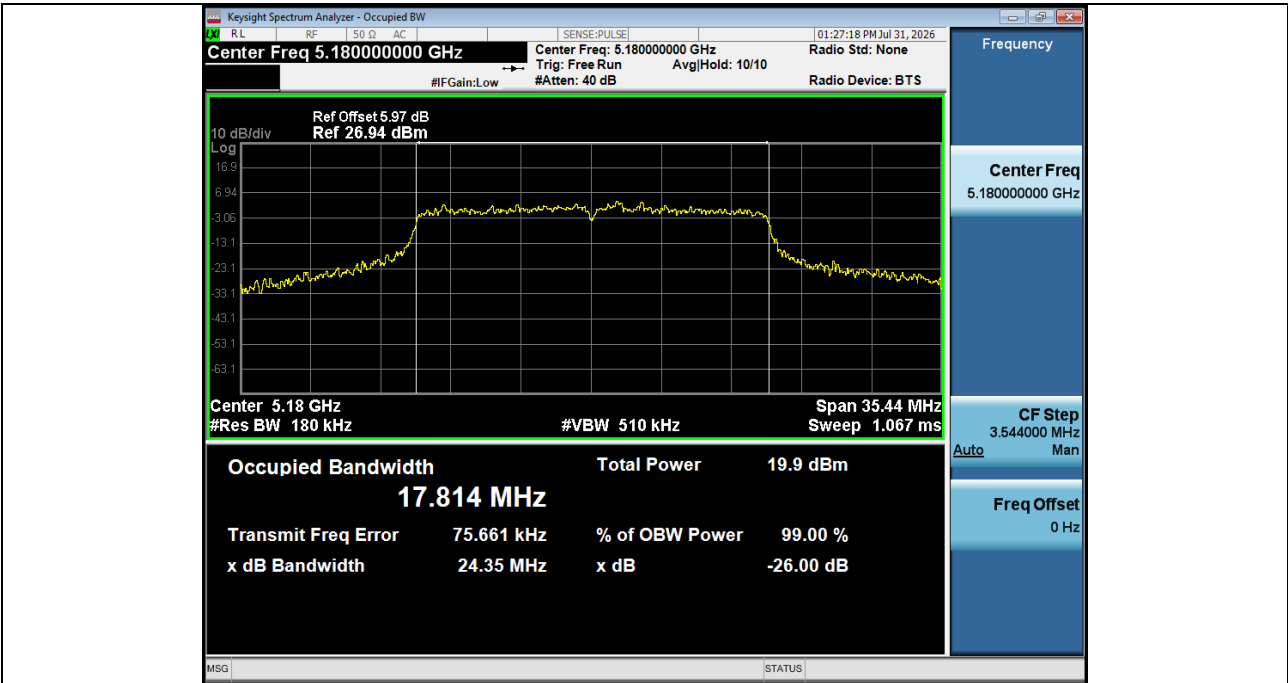
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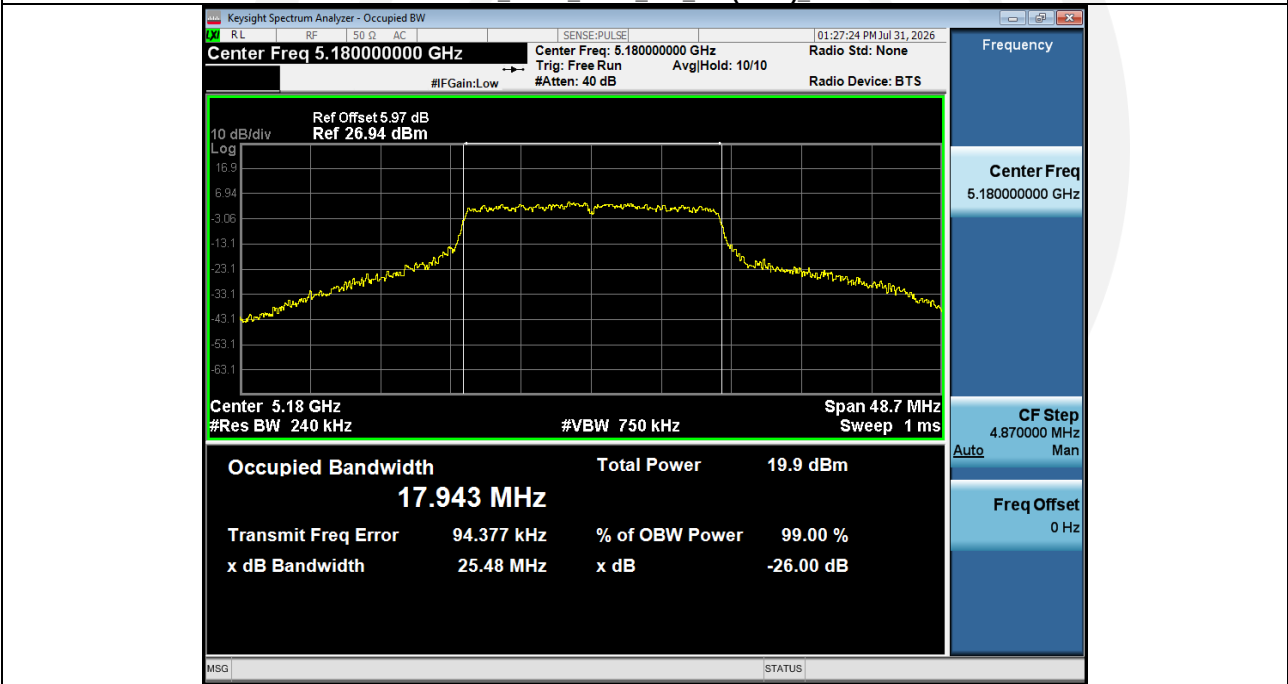
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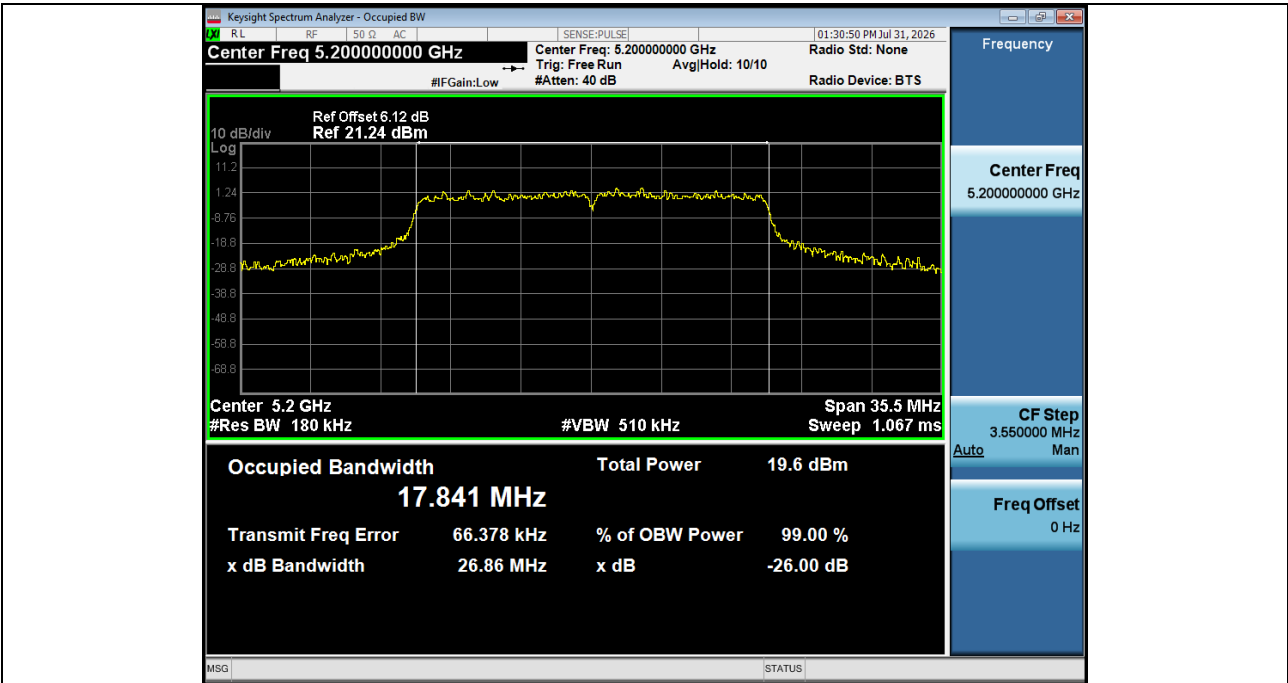
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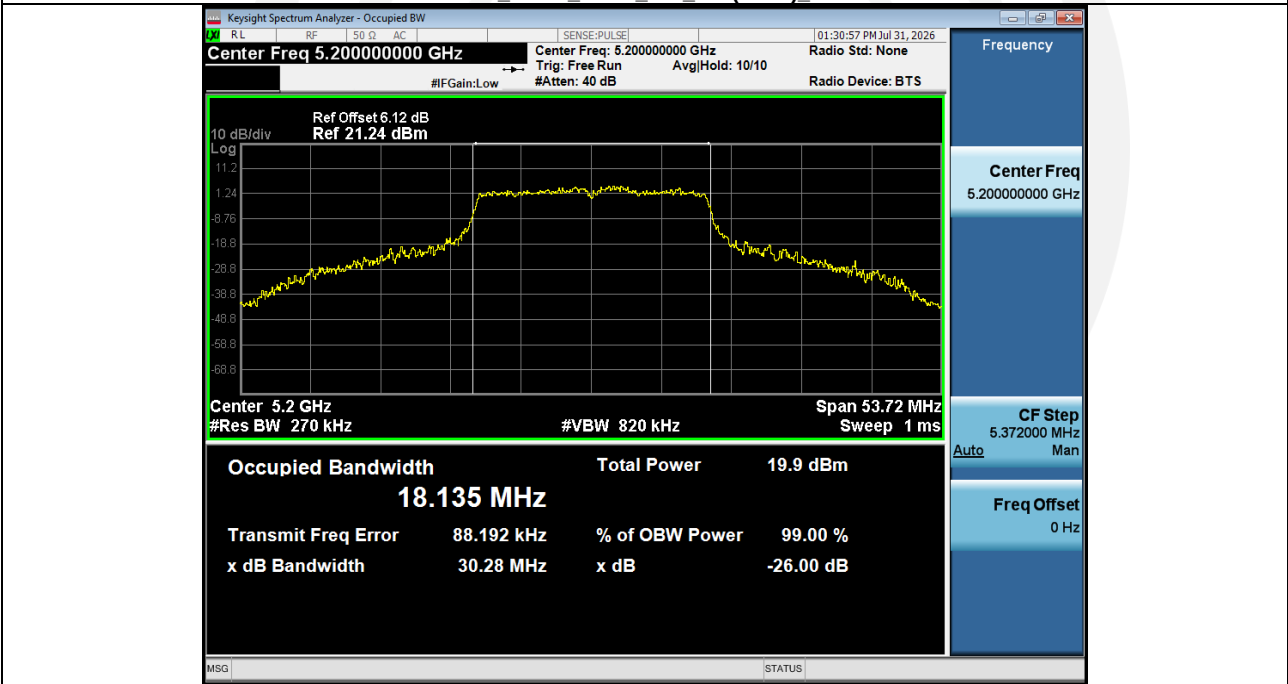
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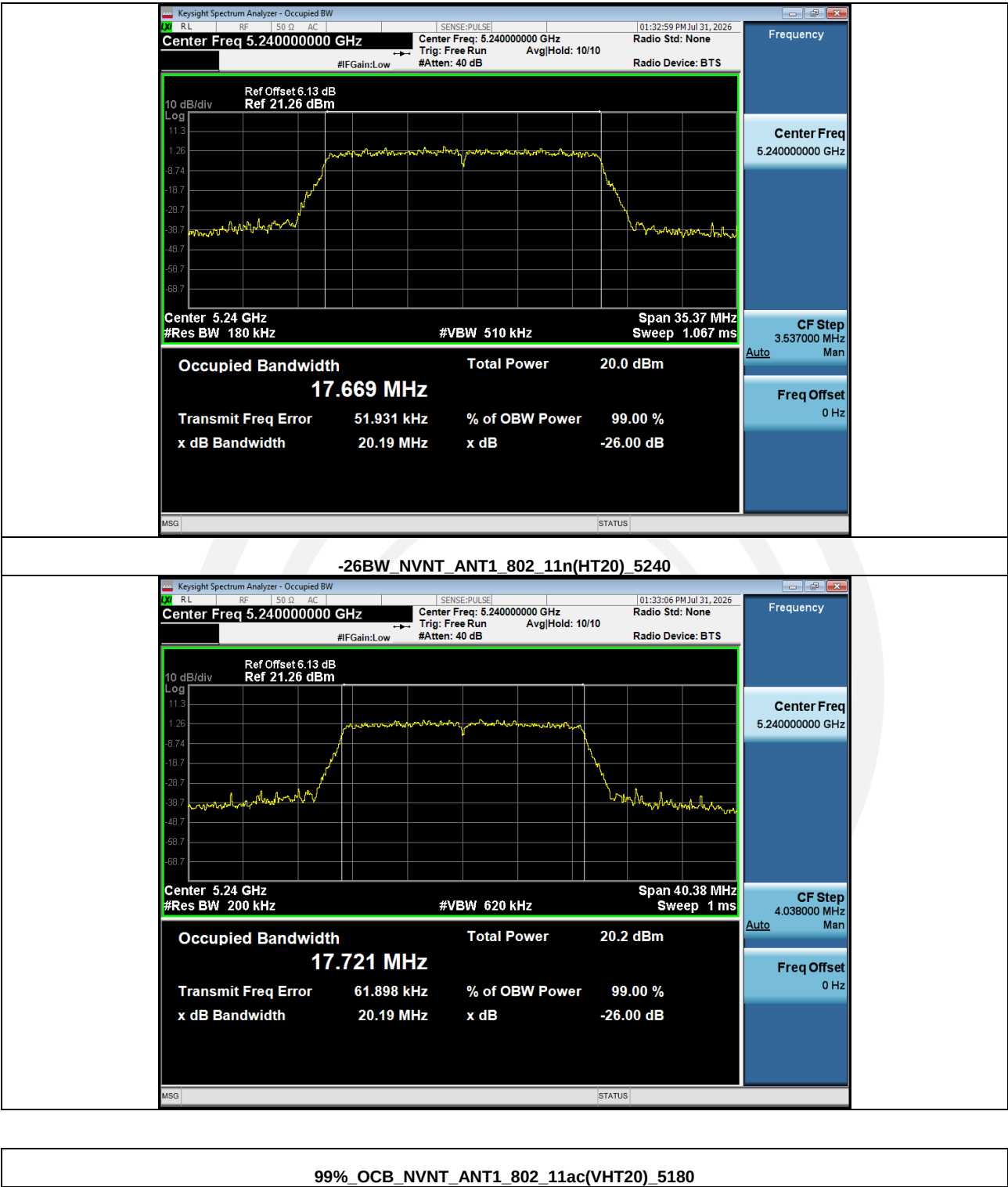
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99%_OCB_NVNT_ANT1_802_11n(HT20)_5240



-26BW_NVNT_ANT1_802_11n(HT20)_5240

Keysight Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:PULSE

01:33:06 PM Jul 31, 2026

Center Freq 5.240000000 GHz

Center Freq: 5.240000000 GHz

Radio Std: None

#FGain:Low

Trig: Free Run

Avg/Hold: 10/10

Radio Device: BTS

Ref Offset 6.13 dB

Ref 21.26 dBm

10 dB/div

Log

11.3

1.26

-8.74

-18.7

-28.7

-38.7

-48.7

-58.7

-68.7

Center 5.24 GHz

#Res BW 200 kHz

#VBW 620 kHz

Span 40.38 MHz

Sweep 1 ms

Occupied Bandwidth

17.721 MHz

Total Power

20.2 dBm

Transmit Freq Error

61.898 kHz

% of OBW Power

99.00 %

x dB Bandwidth

20.19 MHz

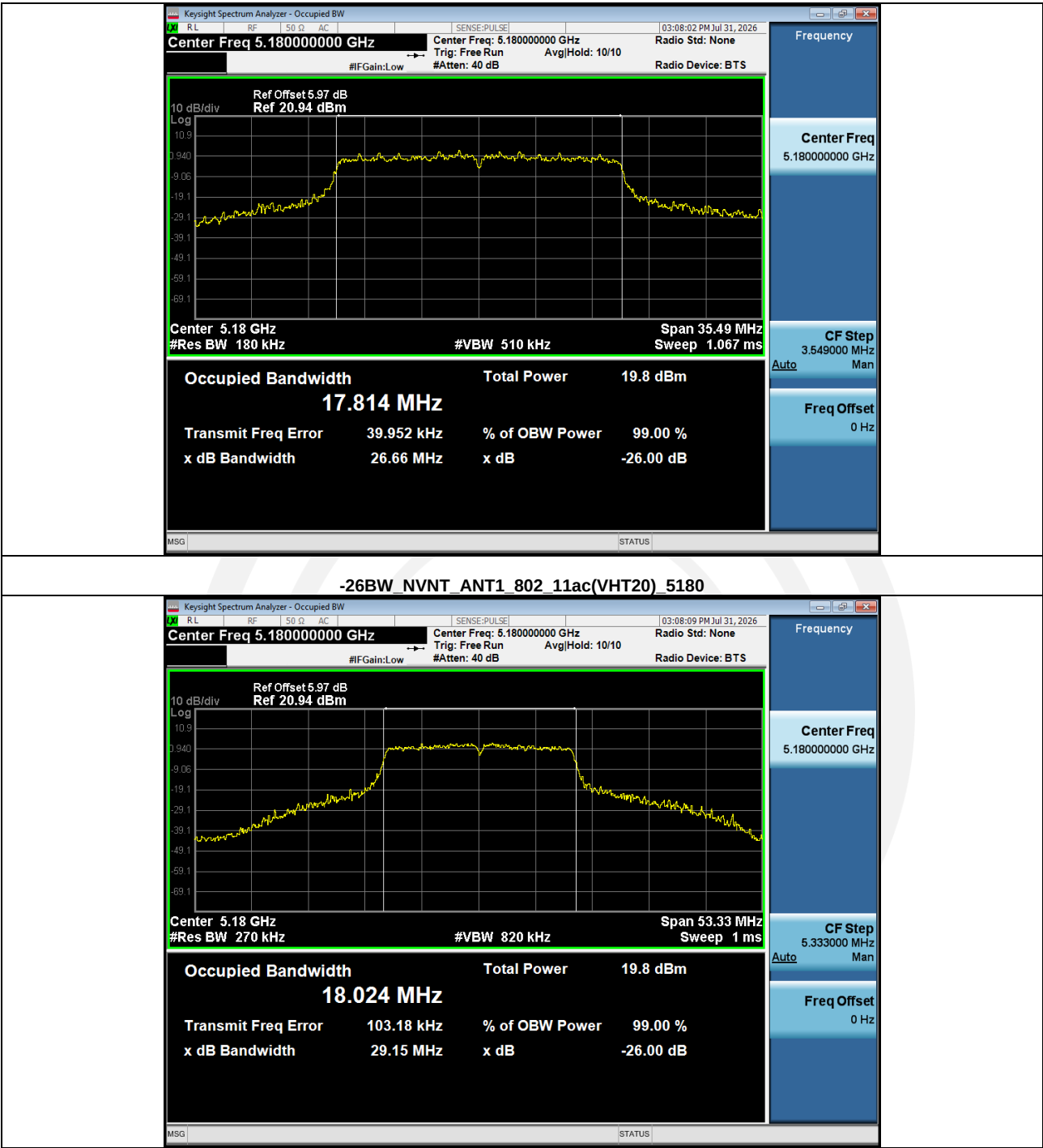
x dB

-26.00 dB

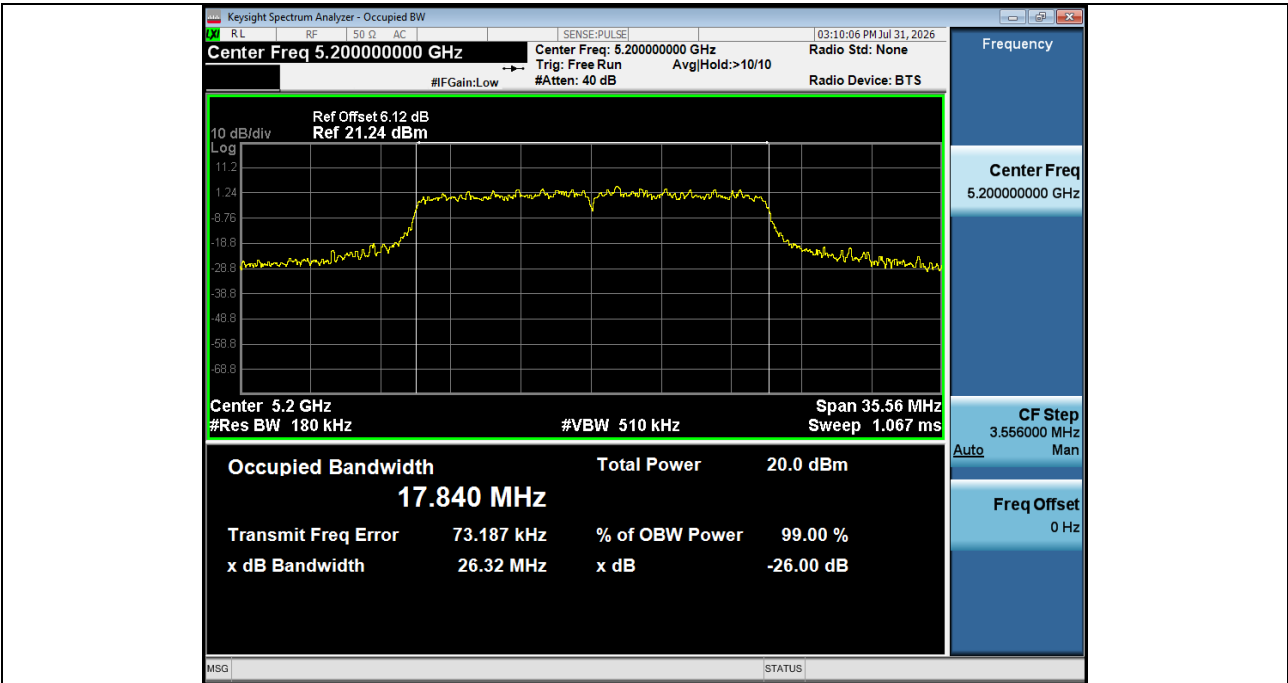
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STATUS

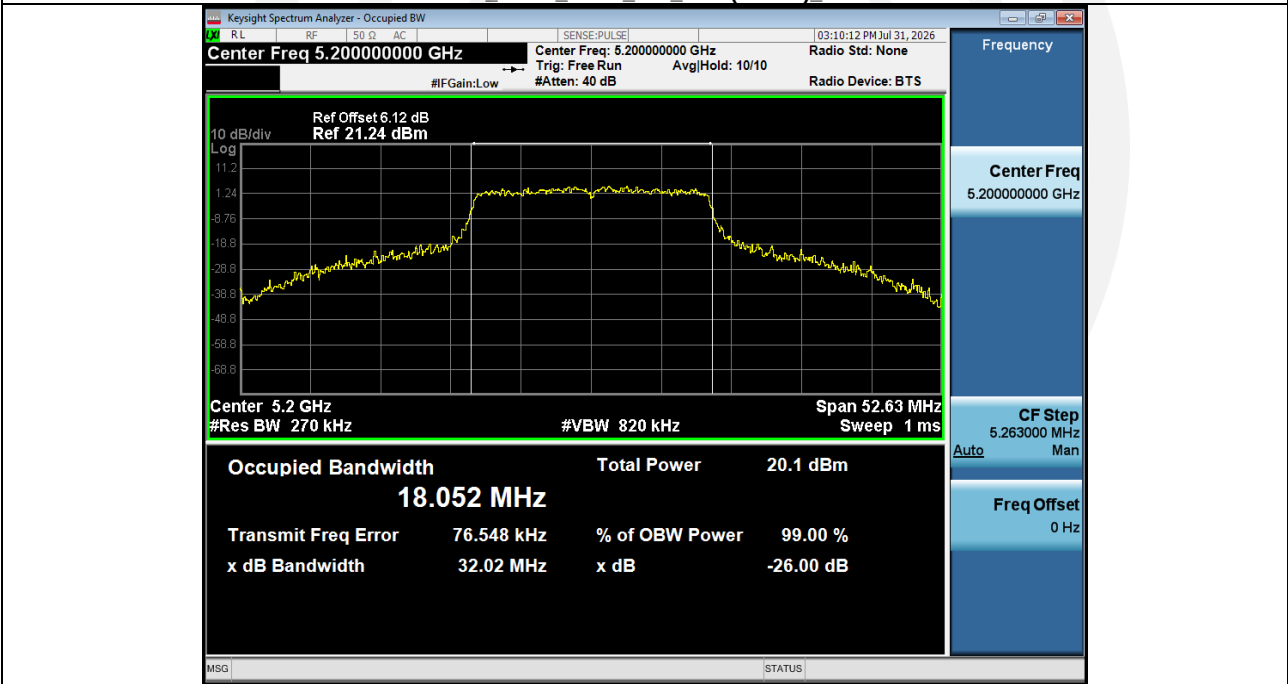
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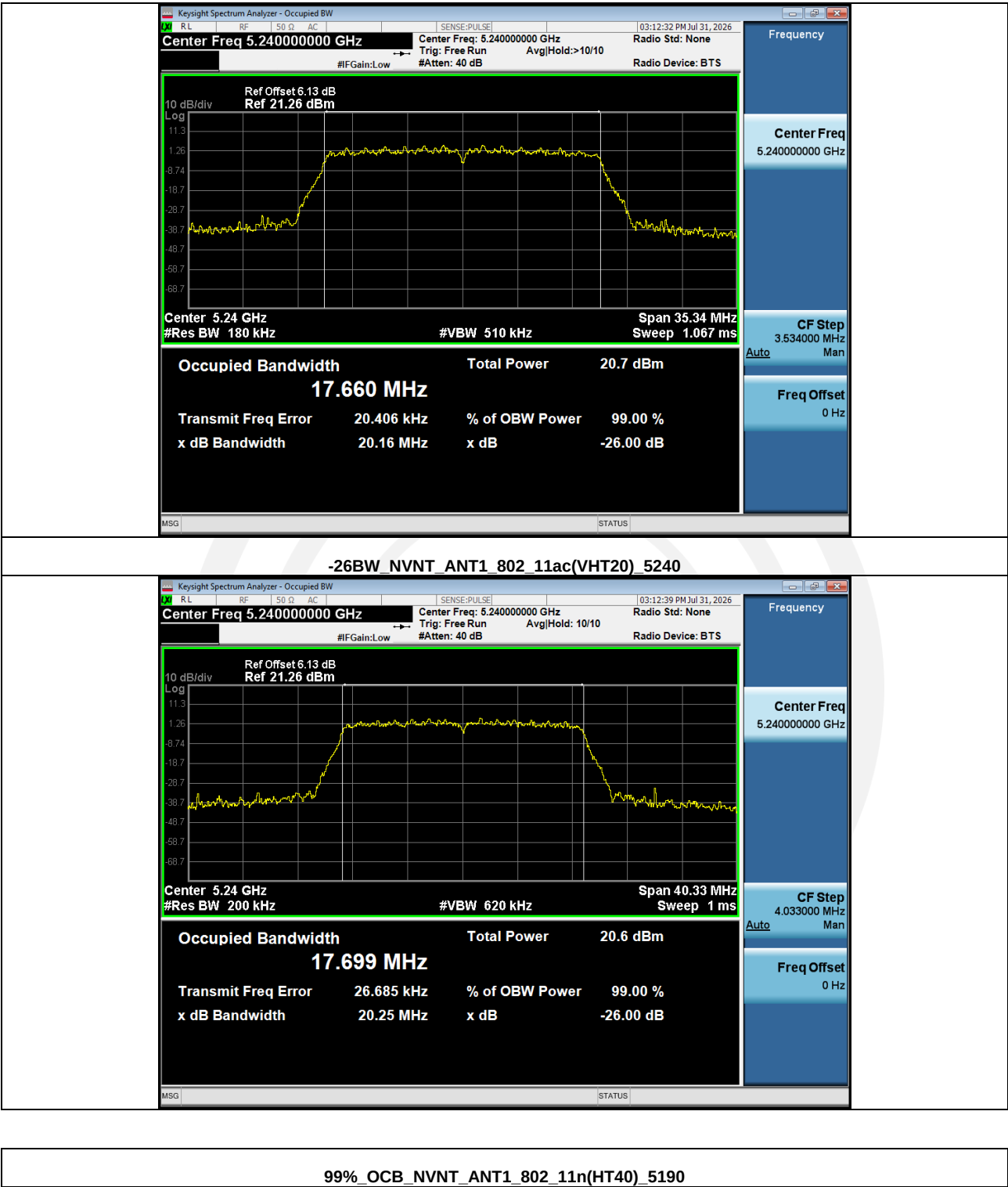
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-26BW_NVNT_ANT1_802_11ac(VHT20)_5200



99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5240



-26BW_NVNT_ANT1_802_11ac(VHT20)_5240

Keysight Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:PULSE

03:12:39 PM Jul 31, 2026

Center Freq 5.240000000 GHz

Center Freq: 5.240000000 GHz

Radio Std: None

#FGain:Low

Trig: Free Run

Avg/Hold: 10/10

Radio Device: BTS

Ref Offset 6.13 dB

Ref 21.26 dBm

10 dB/div

Log

11.3

1.26

-8.74

-18.7

-28.7

-38.7

-48.7

-58.7

-68.7

Center 5.24 GHz

#Res BW 200 kHz

#VBW 620 kHz

Span 40.33 MHz

Sweep 1 ms

Occupied Bandwidth

17.699 MHz

Total Power

20.6 dBm

Transmit Freq Error

26.685 kHz

% of OBW Power

99.00 %

x dB Bandwidth

20.25 MHz

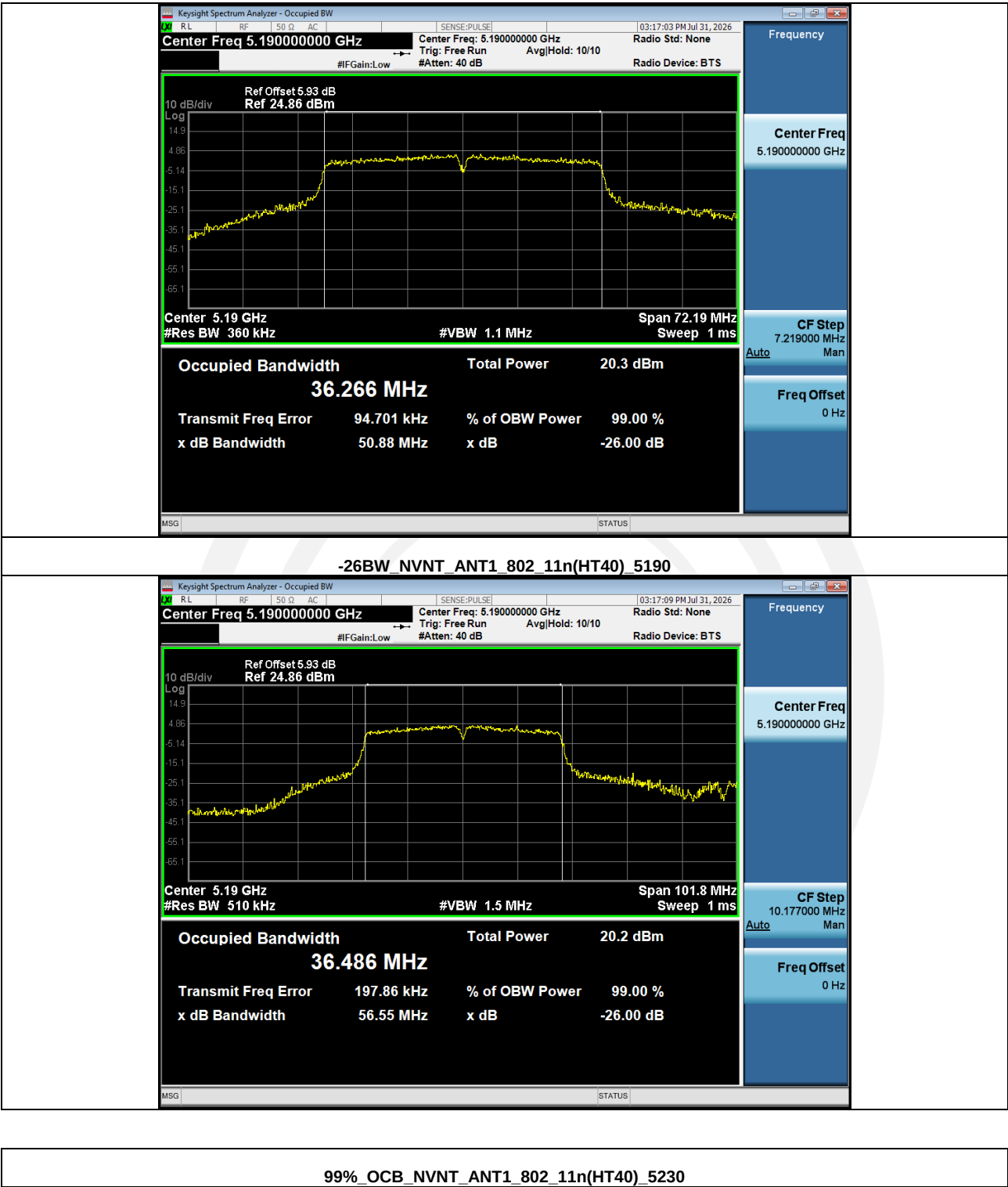
x dB

-26.00 dB

MSG

STATUS

99%_OCB_NVNT_ANT1_802_11n(HT40)_5190



-26BW_NVNT_ANT1_802_11n(HT40)_5190

Keysight Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:PULSE

03:17:09 PM Jul 31, 2026

Center Freq 5.190000000 GHz

Center Freq: 5.190000000 GHz

Radio Std: None

#FGain:Low

Trig: Free Run

Avg/Hold: 10/10

Radio Device: BTS

Ref Offset 5.93 dB

Ref 24.86 dBm

10 dB/div

Log

14.9

4.86

-5.14

-15.1

-25.1

-35.1

-45.1

-55.1

-65.1

Center 5.19 GHz

#Res BW 510 kHz

#VBW 1.5 MHz

Span 101.8 MHz

Sweep 1 ms

Occupied Bandwidth

36.486 MHz

Total Power

20.2 dBm

Transmit Freq Error

197.86 kHz

% of OBW Power

99.00 %

x dB Bandwidth

56.55 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.190000000 GHz

CF Step

10.177000 MHz

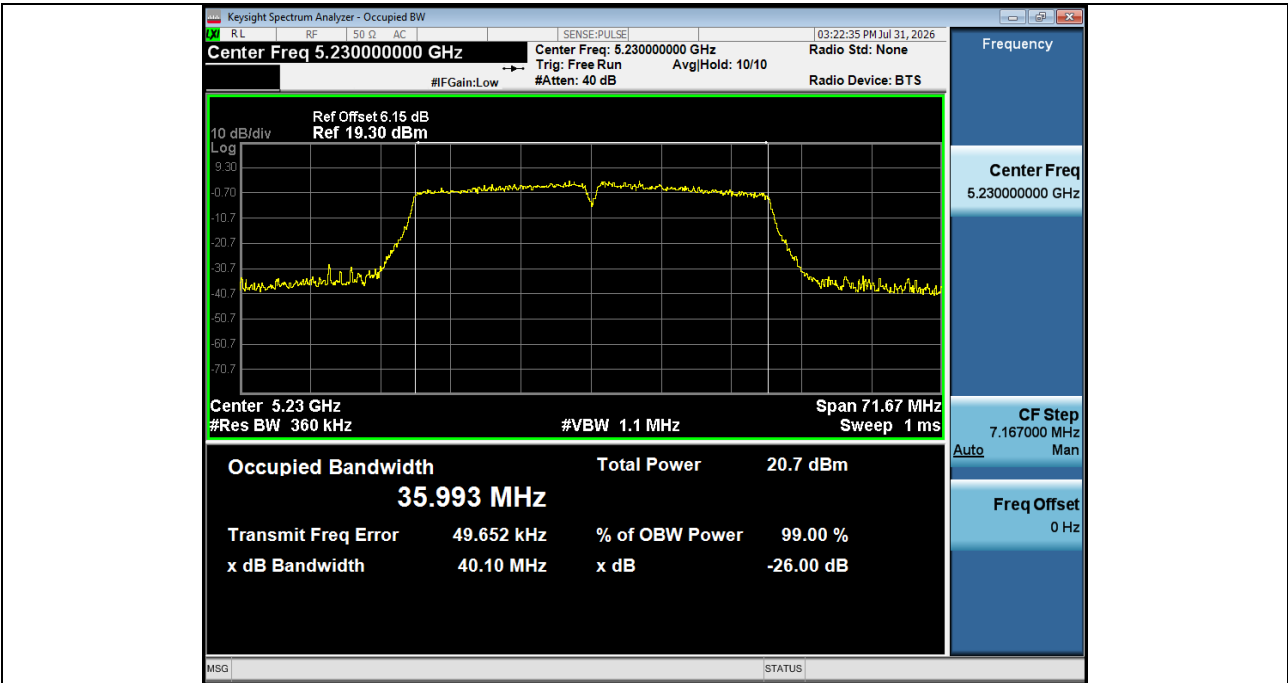
Auto

Man

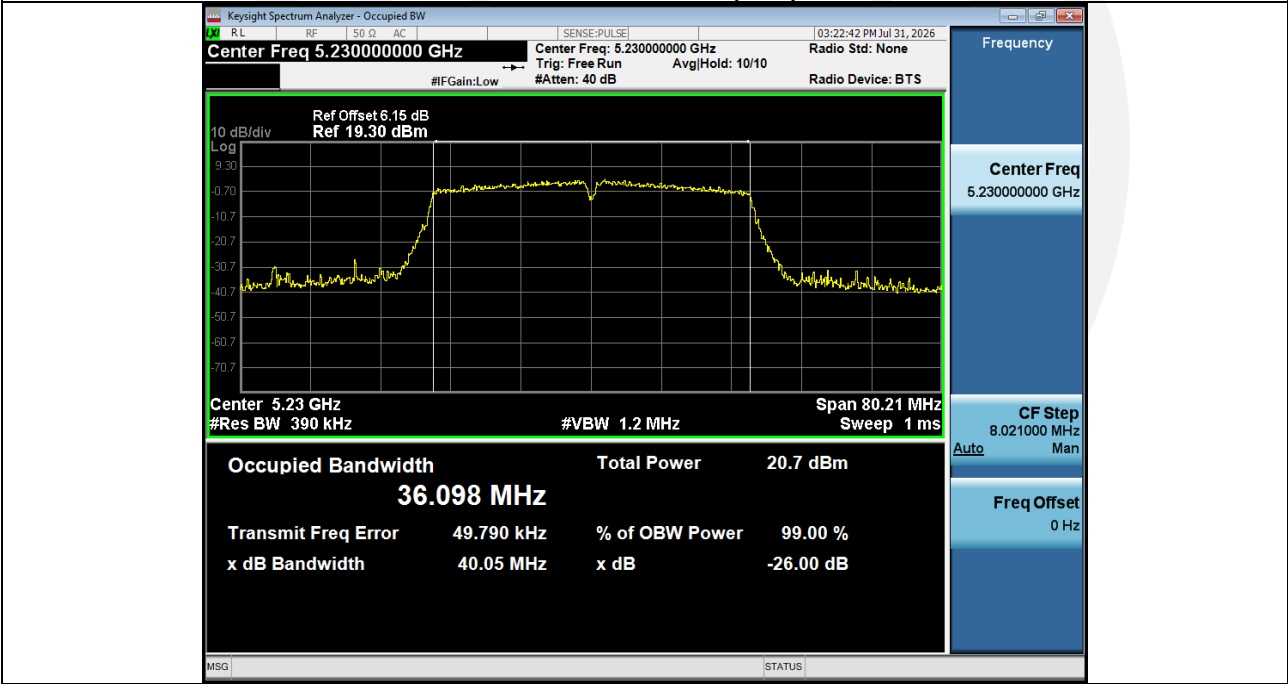
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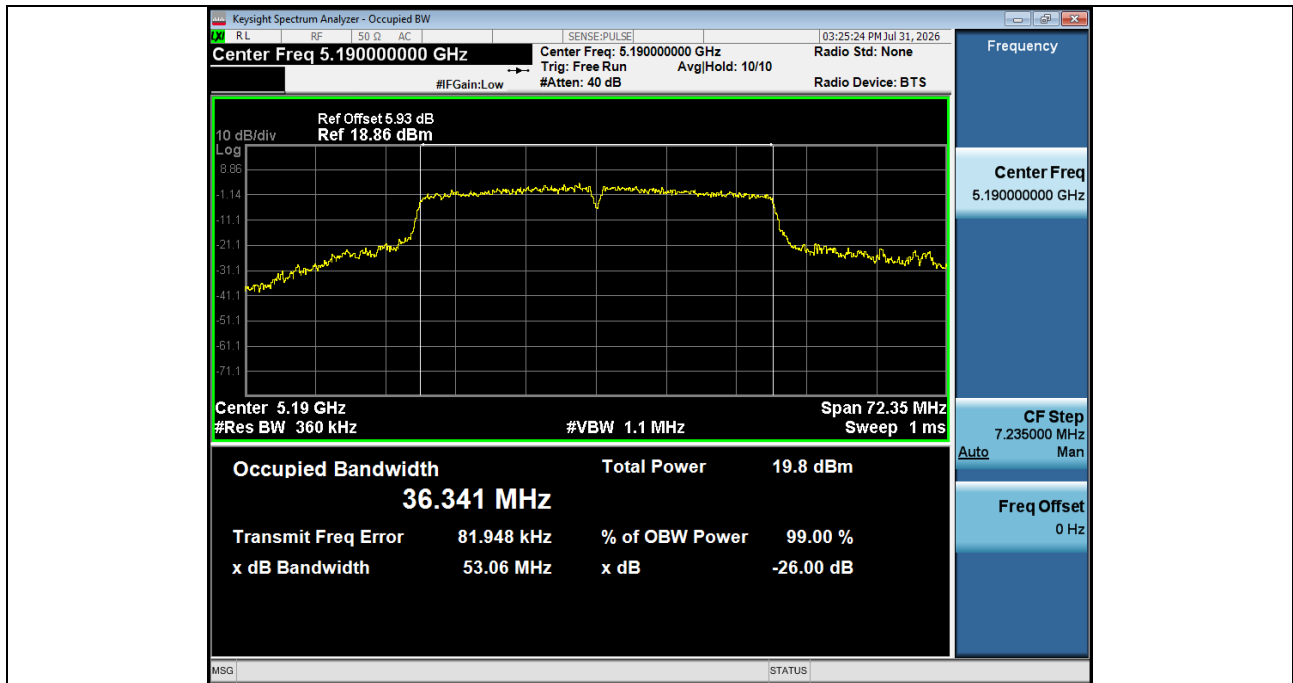
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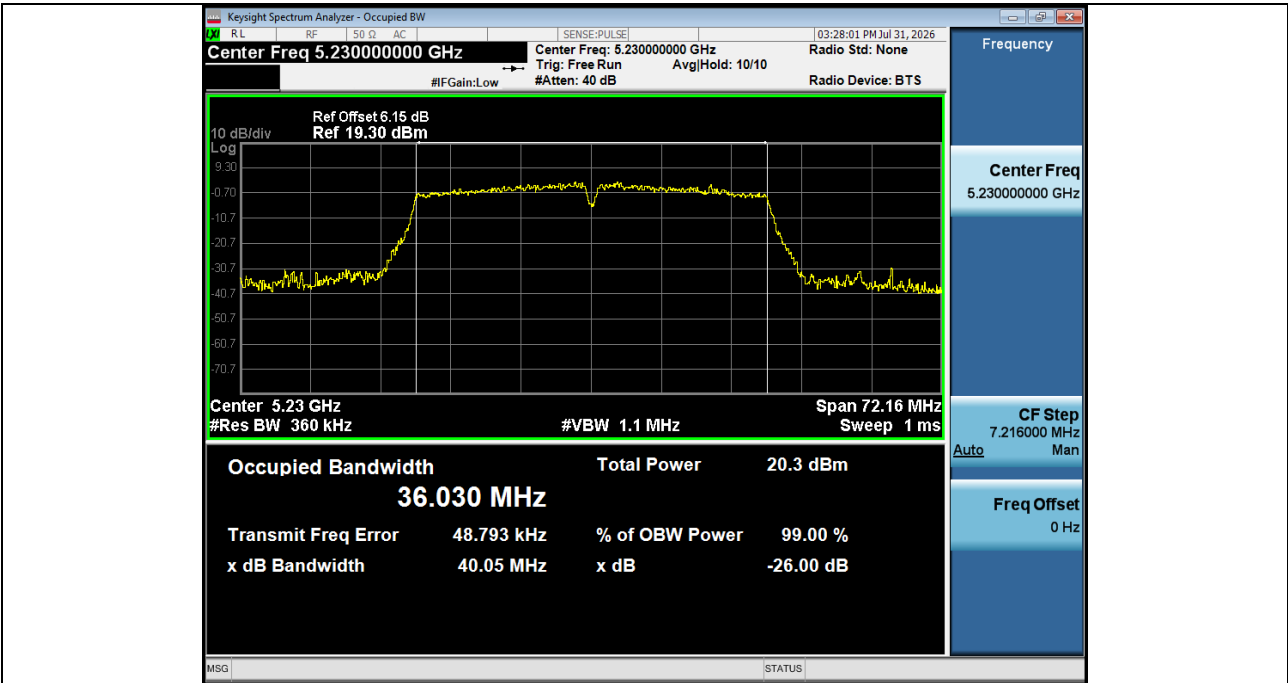
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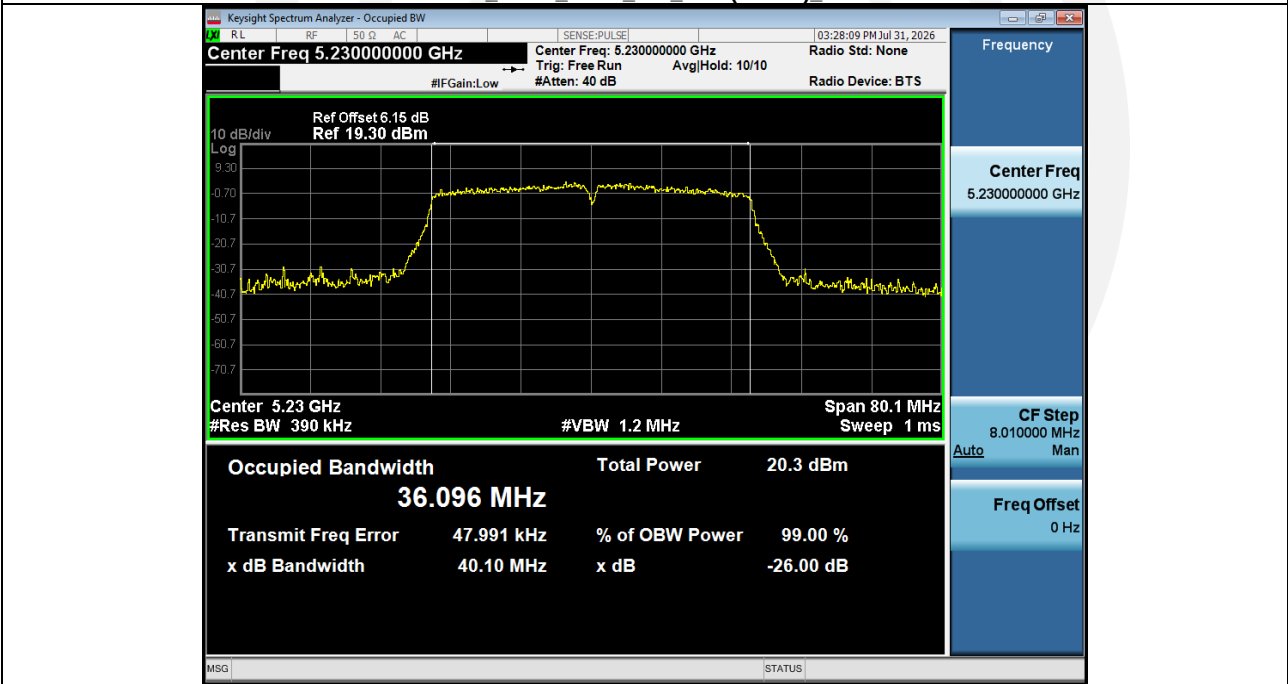
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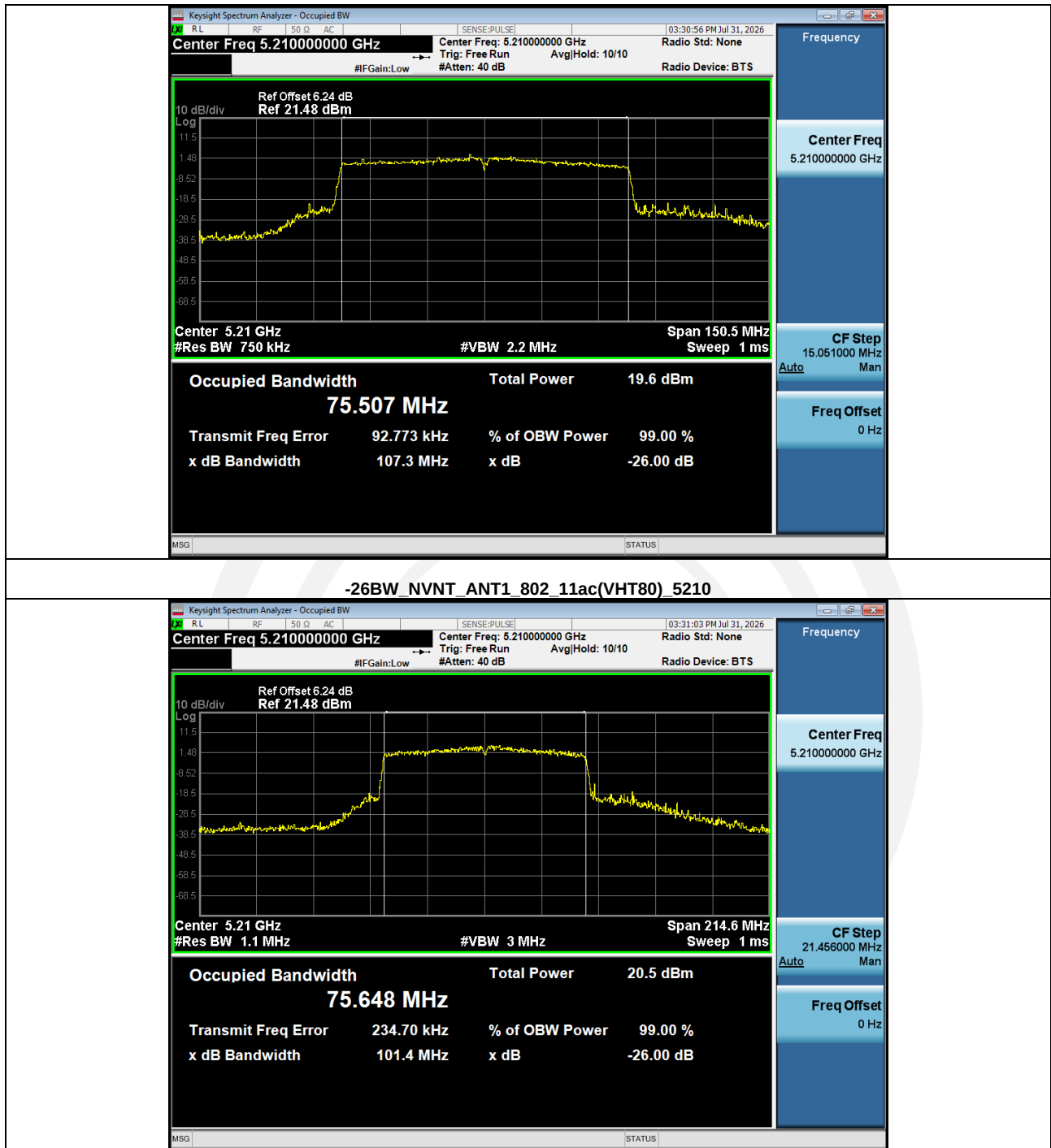
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-26BW_NVNT_ANT1_802_11ac(VHT40)_5230



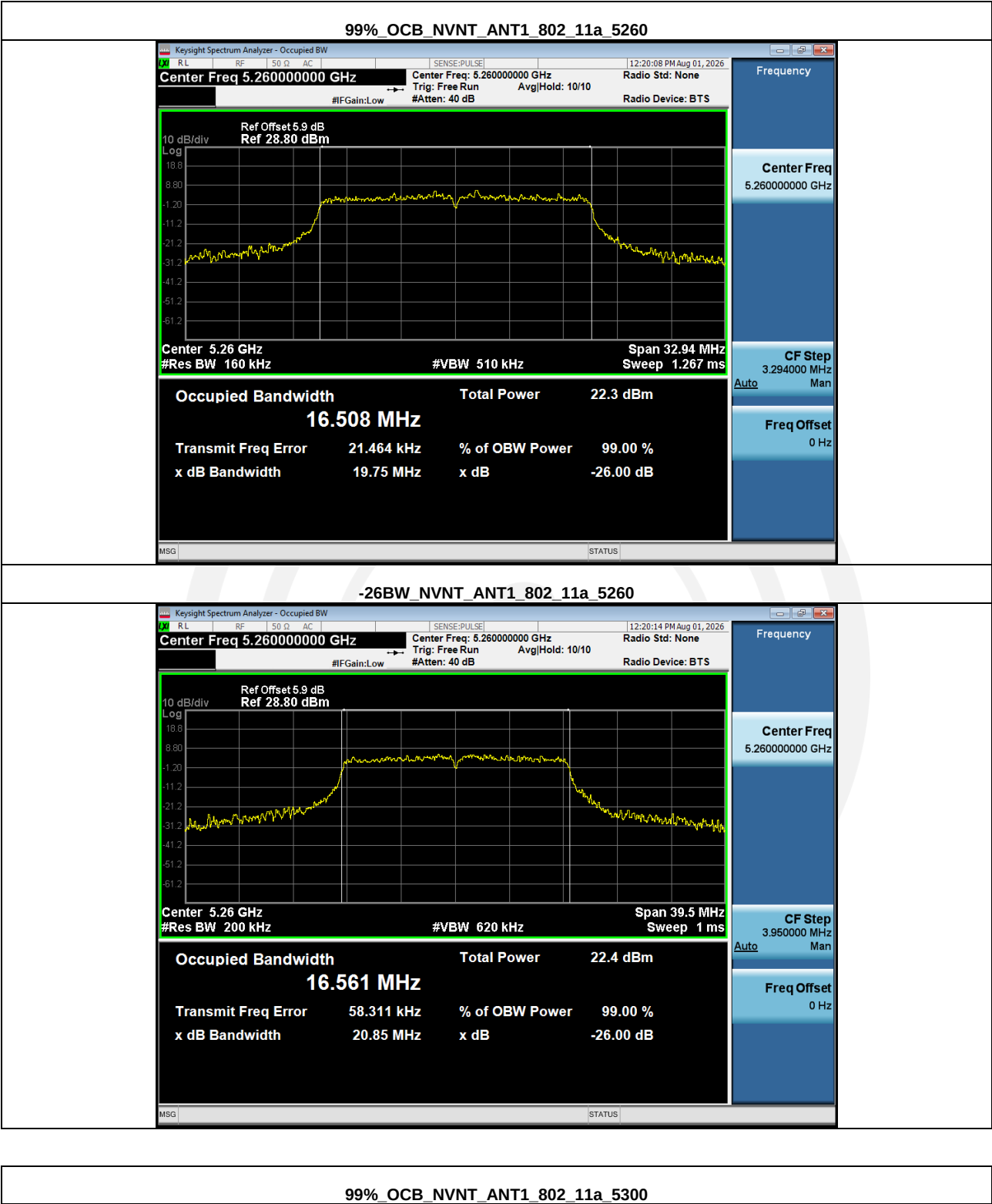
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5210

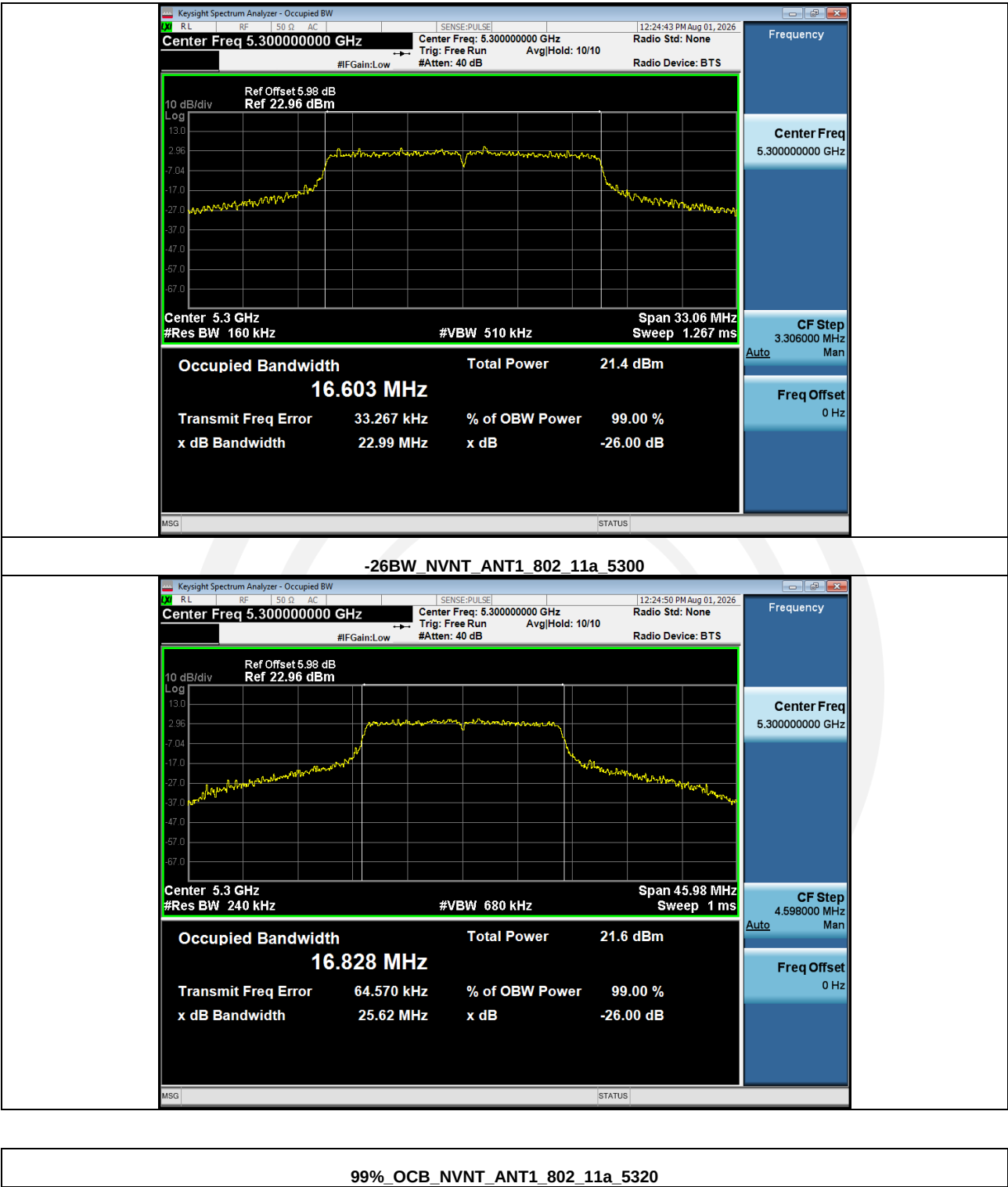


Band 2 (5260-5320 MHz):

Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5260.00	20.85	16.51
NVNT	ANT1	802.11a	5300.00	25.62	16.60
NVNT	ANT1	802.11a	5320.00	26.36	16.57
NVNT	ANT1	802.11n(HT20)	5260.00	21.29	17.68
NVNT	ANT1	802.11n(HT20)	5300.00	27.92	17.83
NVNT	ANT1	802.11n(HT20)	5320.00	31.71	17.83
NVNT	ANT1	802.11ac(VHT20)	5260.00	21.23	17.68
NVNT	ANT1	802.11ac(VHT20)	5300.00	27.04	17.80
NVNT	ANT1	802.11ac(VHT20)	5320.00	29.52	17.78
NVNT	ANT1	802.11n(HT40)	5270.00	40.43	36.05
NVNT	ANT1	802.11n(HT40)	5310.00	55.40	36.25
NVNT	ANT1	802.11ac(VHT40)	5270.00	45.62	36.06
NVNT	ANT1	802.11ac(VHT40)	5310.00	56.02	36.23
NVNT	ANT1	802.11ac(VHT80)	5290.00	106.20	75.52

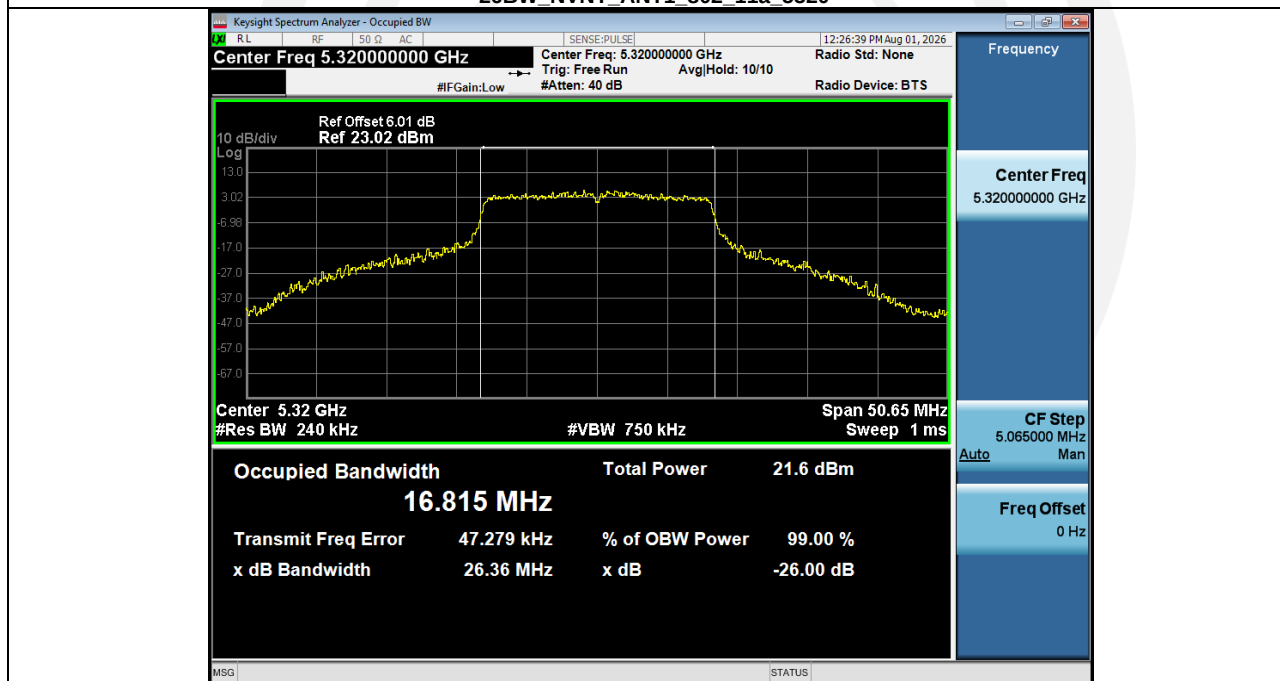




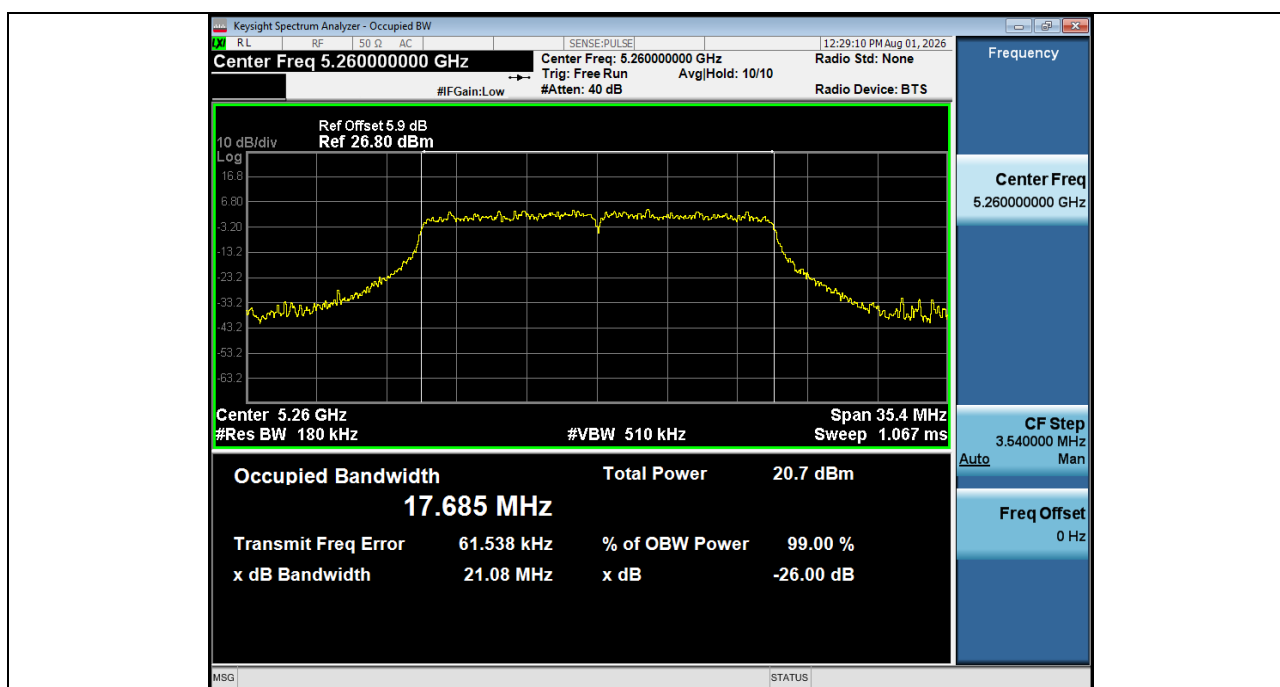




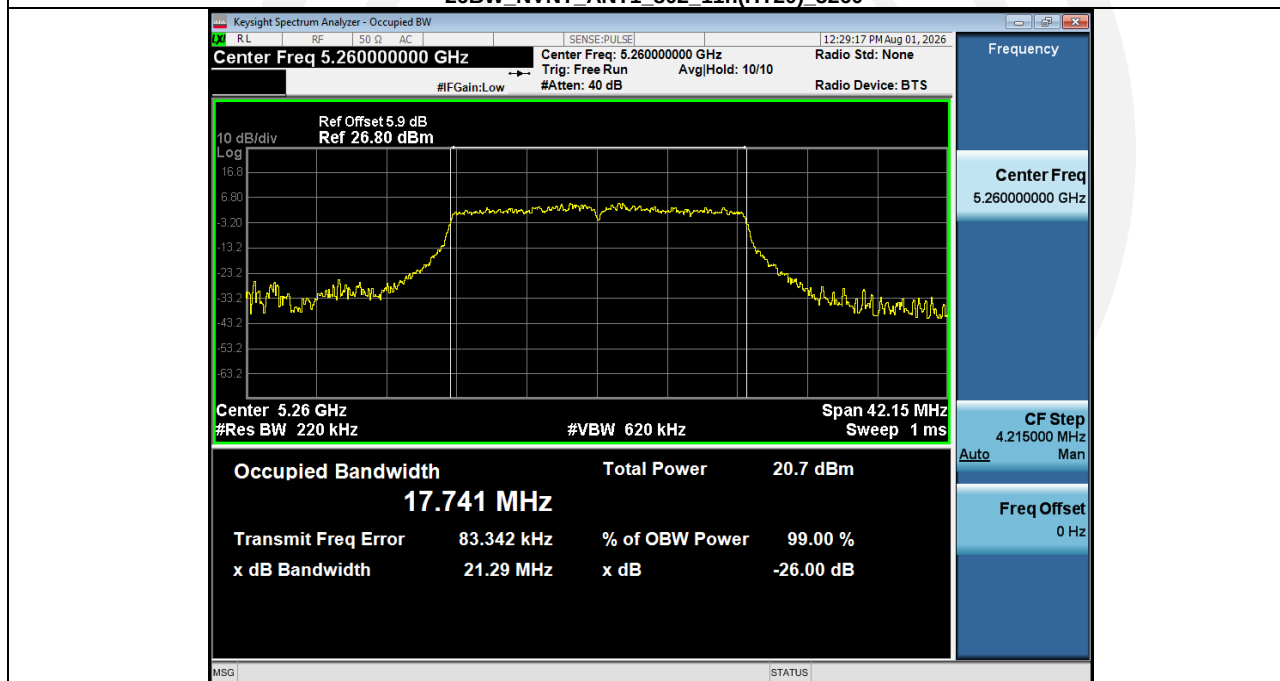
-26BW NVNT ANT1 802 11a 5320



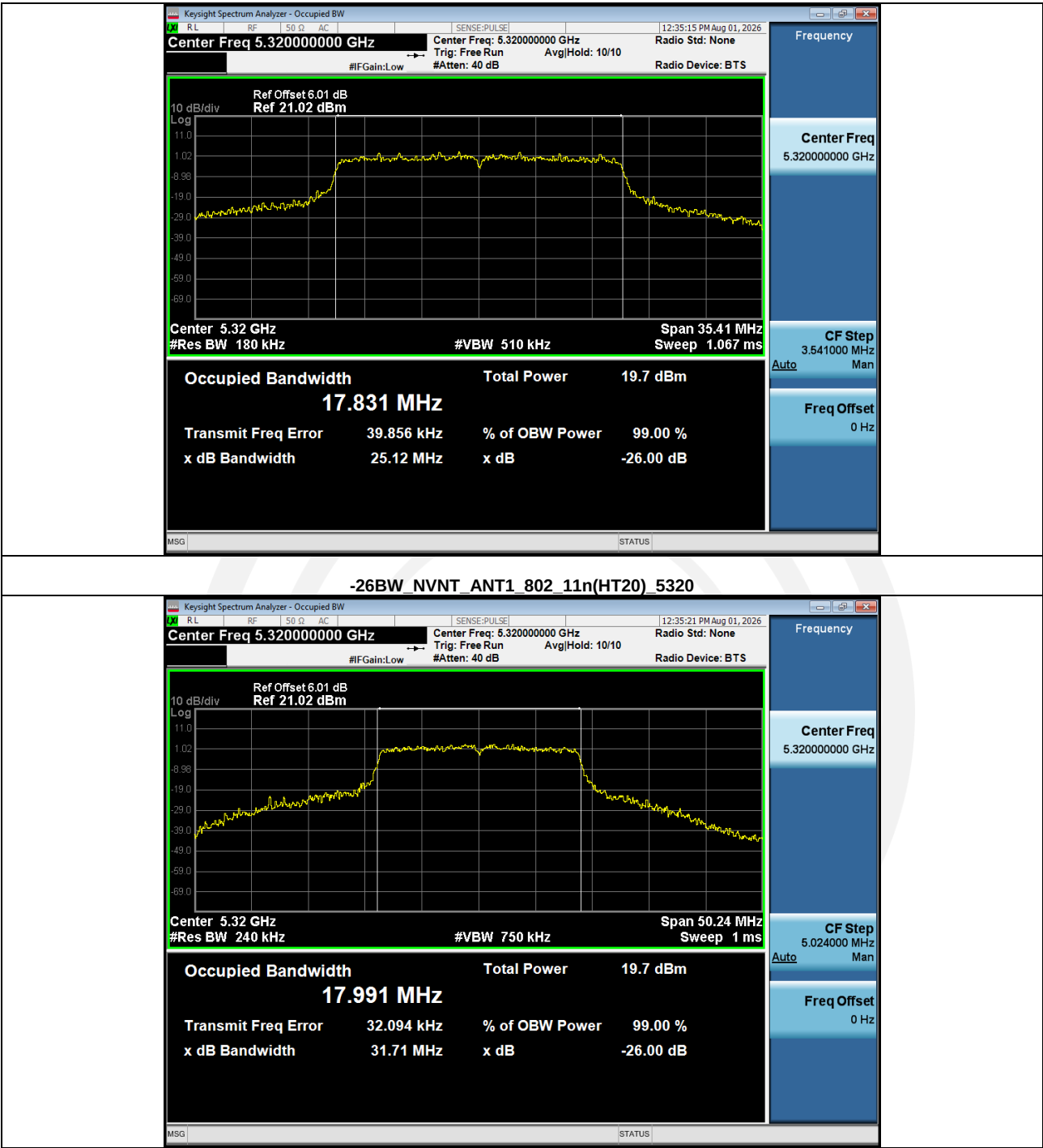
99%_OCB_NVNT_ANT1_802_11n(HT20)_5260



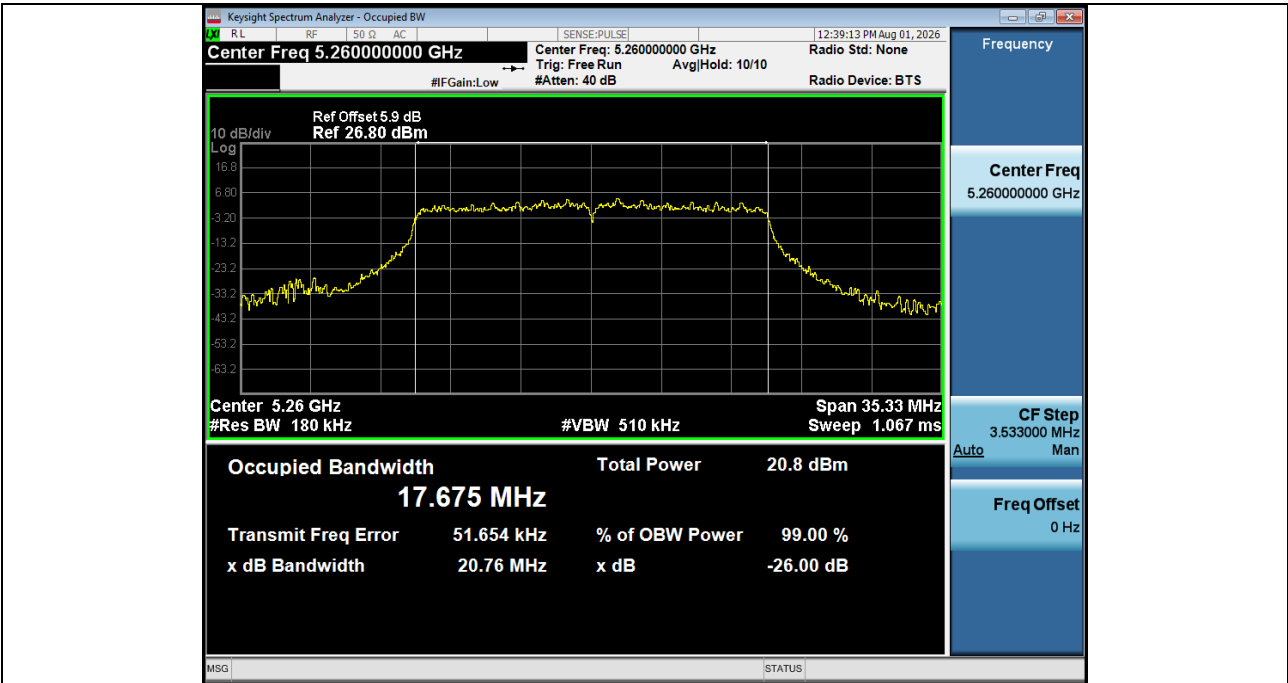
-26BW NVNT ANT1 802 11n(HT20) 5260



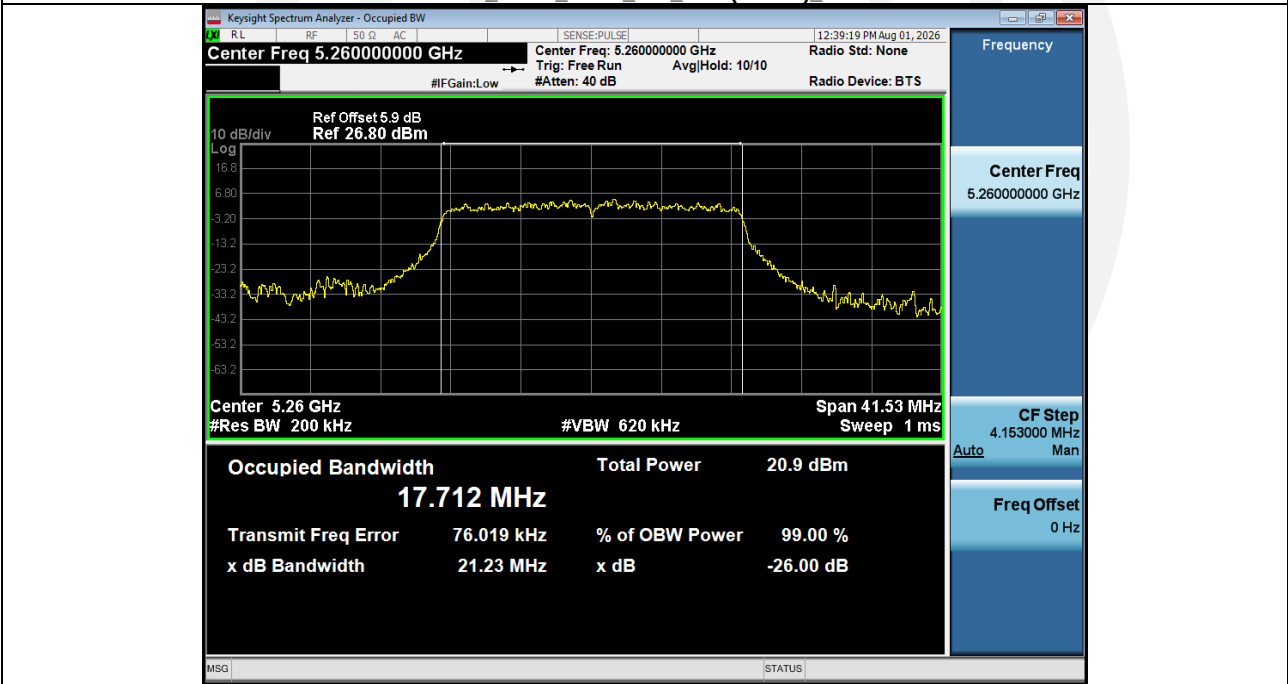
99%_OCB_NVNT_ANT1_802_11n(HT20)_5300



99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5260



-26BW_NVNT_ANT1_802_11ac(VHT20)_5260



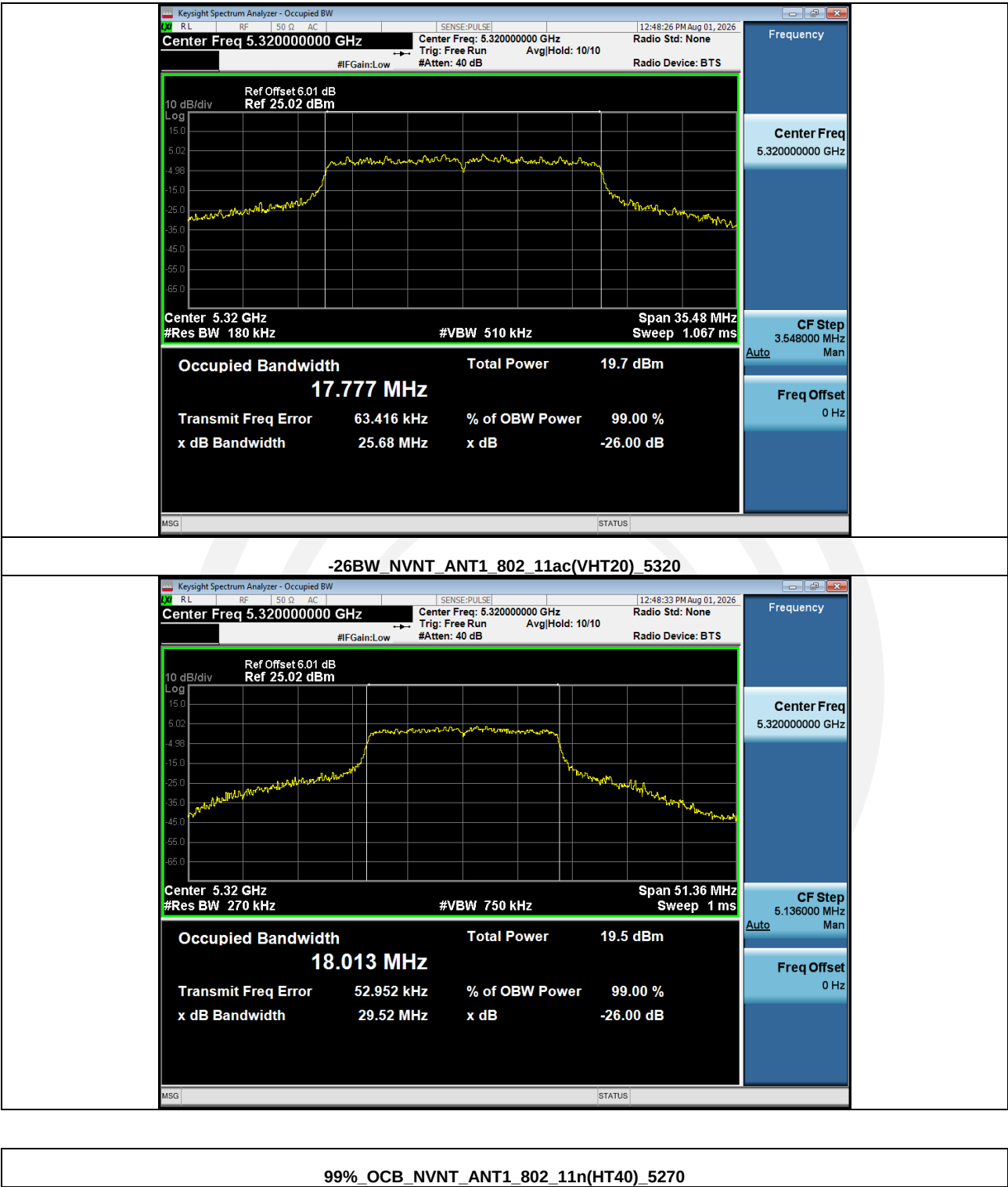
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5300



-26BW NVNT ANT1 802 11ac(VHT20) 5300



99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5320



-26BW_NVNT_ANT1_802_11ac(VHT20)_5320

Keysight Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:PULSE

12:48:33 PM Aug 01, 2026

Center Freq 5.320000000 GHz

Center Freq: 5.320000000 GHz

Radio Std: None

#FGain:Low

Trig: Free Run

Avg/Hold: 10/10

Radio Device: BTS

Ref Offset 6.01 dB

Ref 25.02 dBm

10 dB/div

Log

15.0

5.02

-4.98

-15.0

-25.0

-35.0

-45.0

-55.0

-65.0

Center 5.32 GHz

#Res BW 270 kHz

#VBW 750 kHz

Span 51.36 MHz

Sweep 1 ms

Occupied Bandwidth

Total Power

19.5 dBm

18.013 MHz

Transmit Freq Error

52.952 kHz

% of OBW Power

99.00 %

x dB Bandwidth

29.52 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.320000000 GHz

CF Step

5.136000 MHz

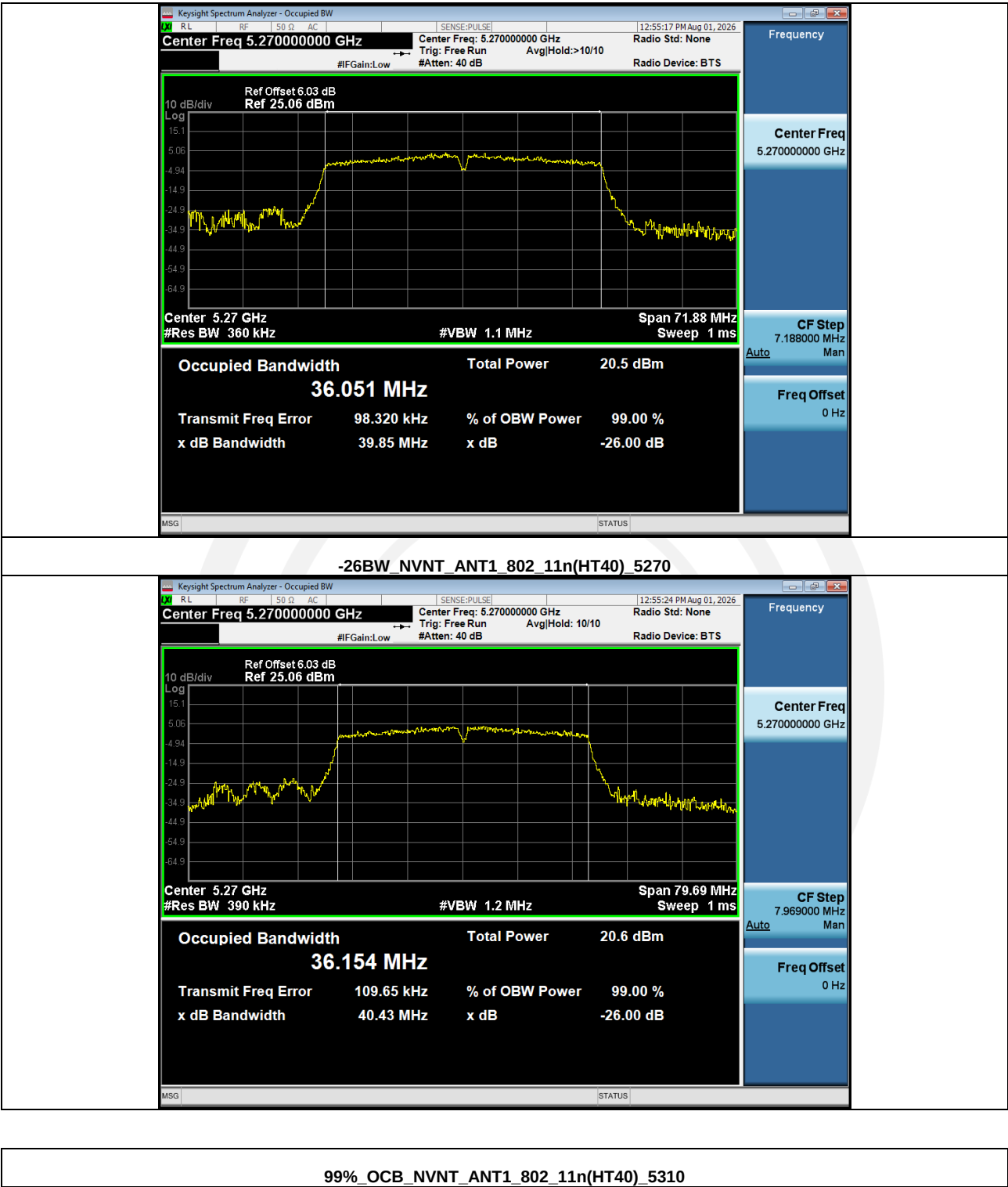
Auto

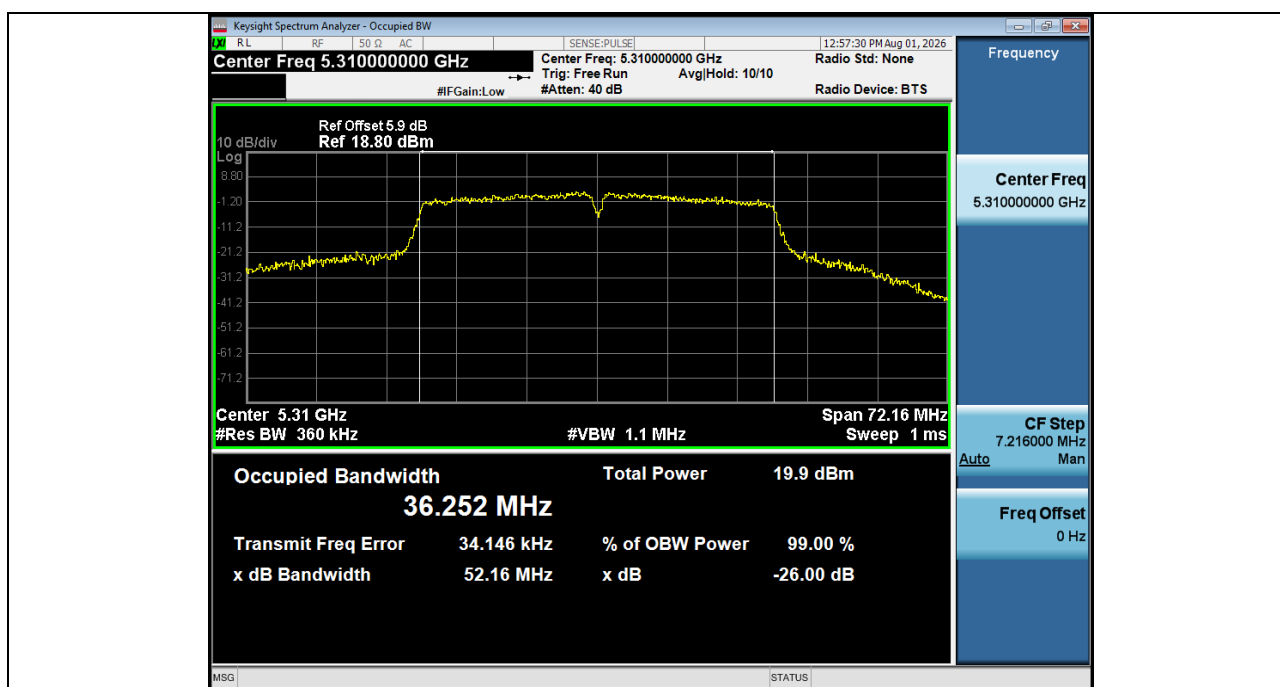
Man

Freq Offset

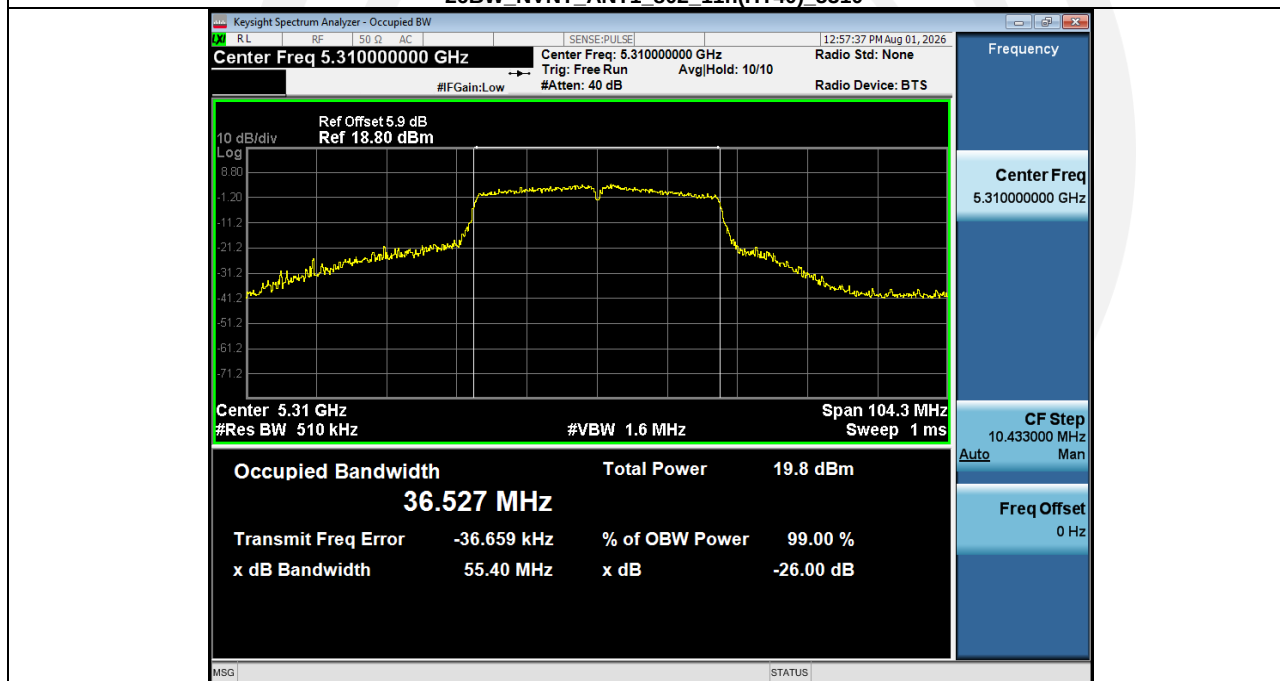
0 Hz

99%_OCB_NVNT_ANT1_802_11n(HT40)_5270

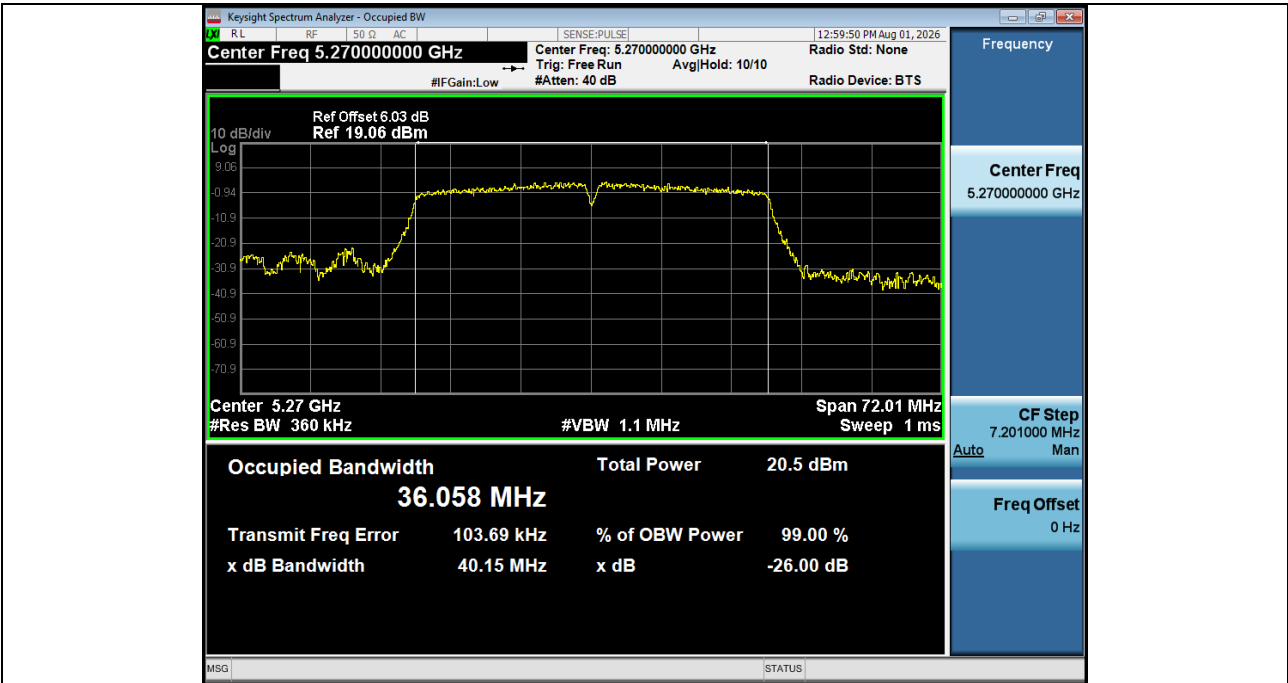




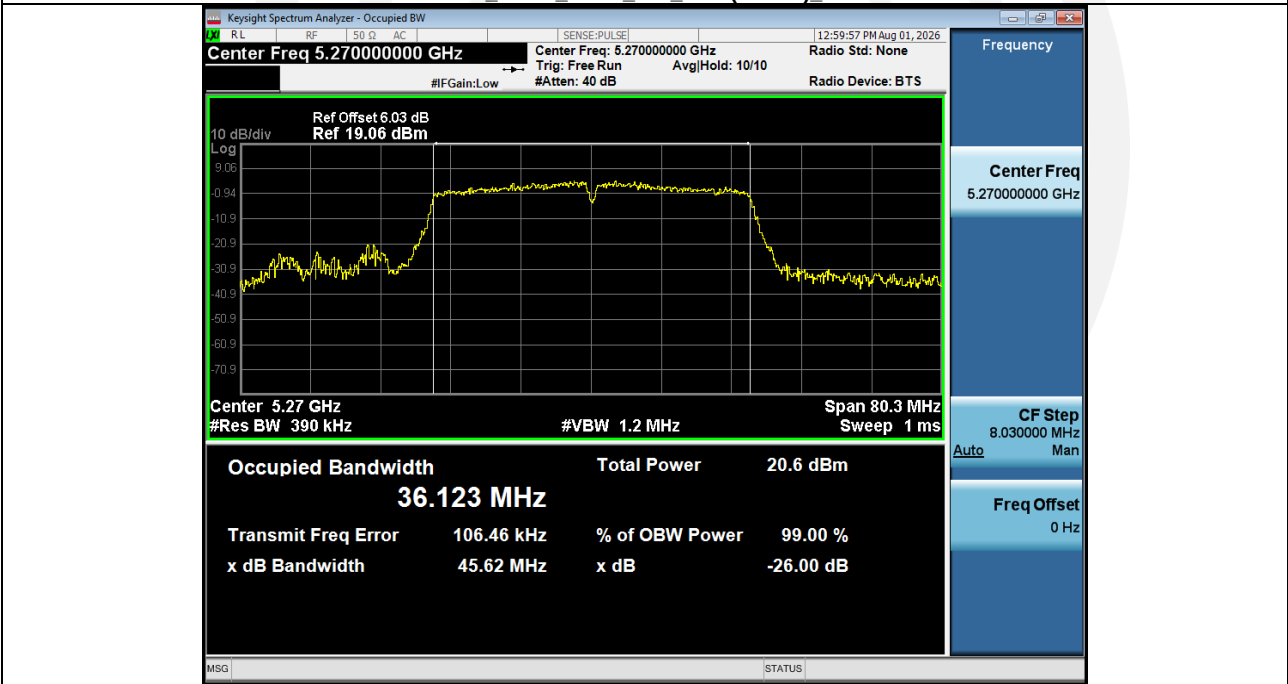
-26BW NVNT ANT1 802 11n(HT40) 5310



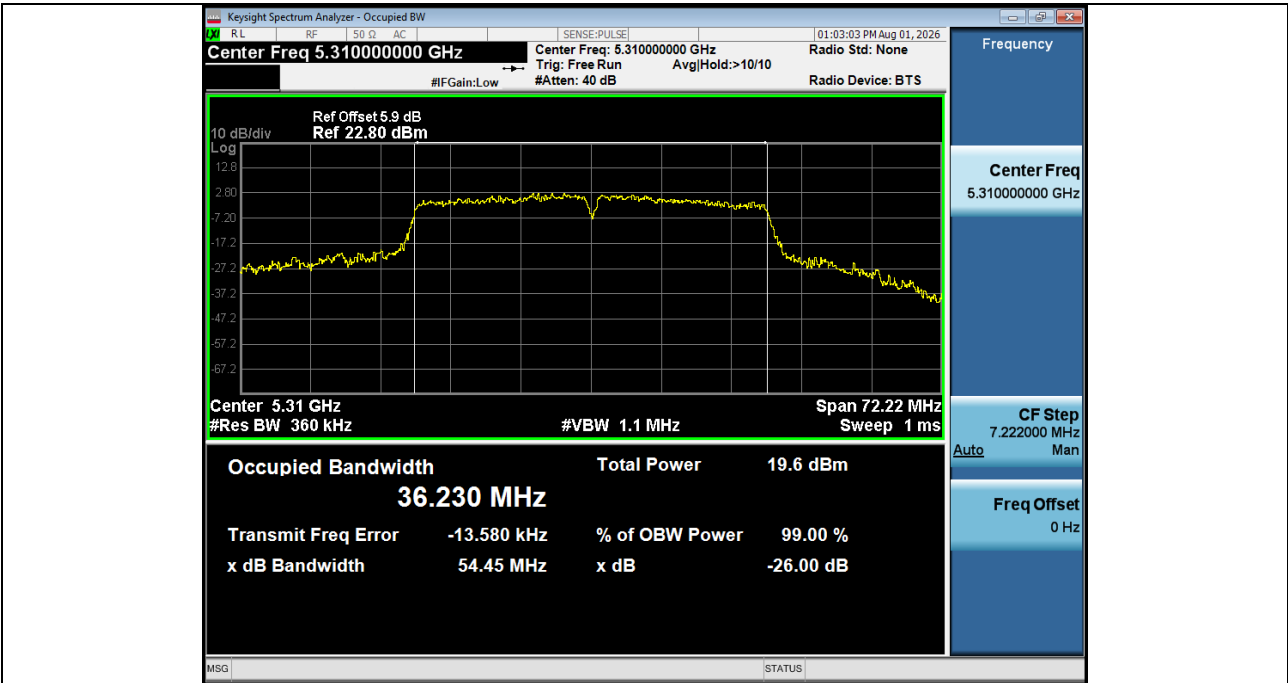
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5270



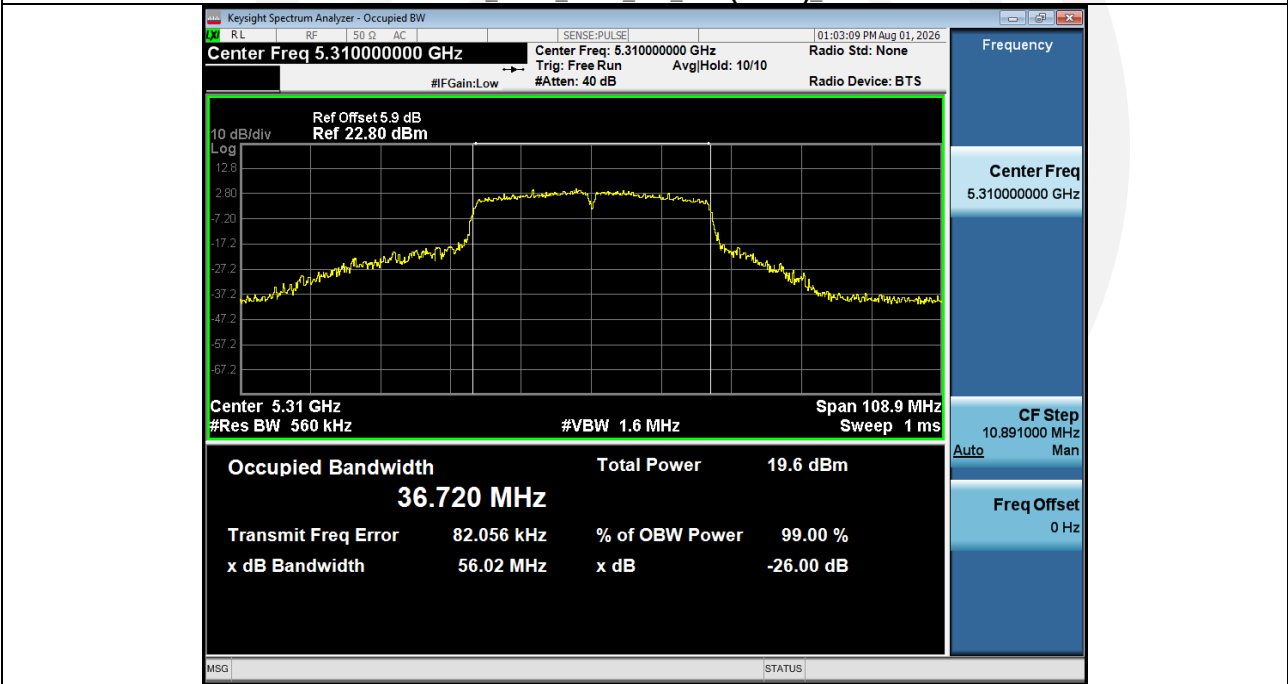
-26BW_NVNT_ANT1_802_11ac(VHT40)_5270



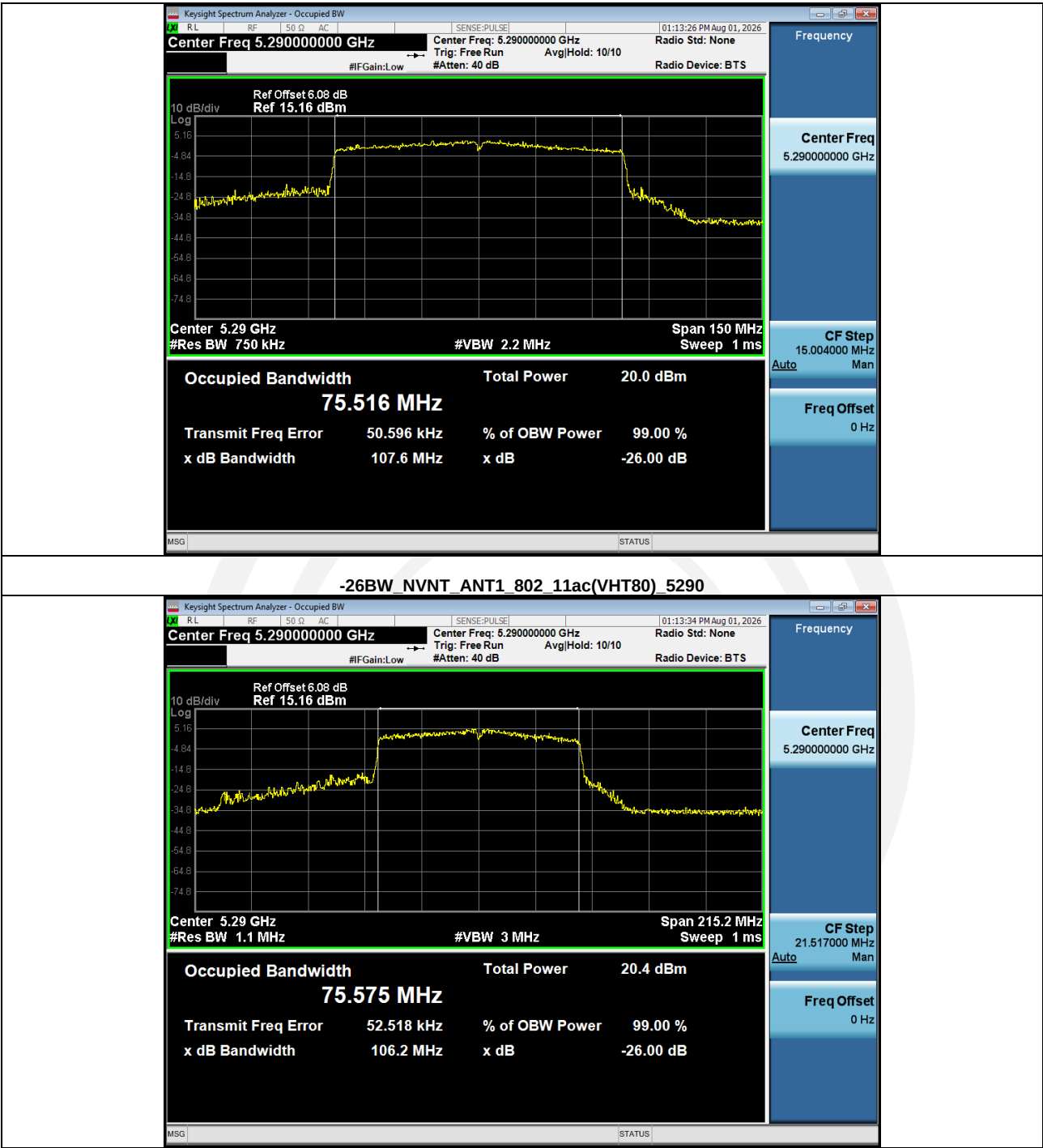
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5310



-26BW_NVNT_ANT1_802_11ac(VHT40)_5310



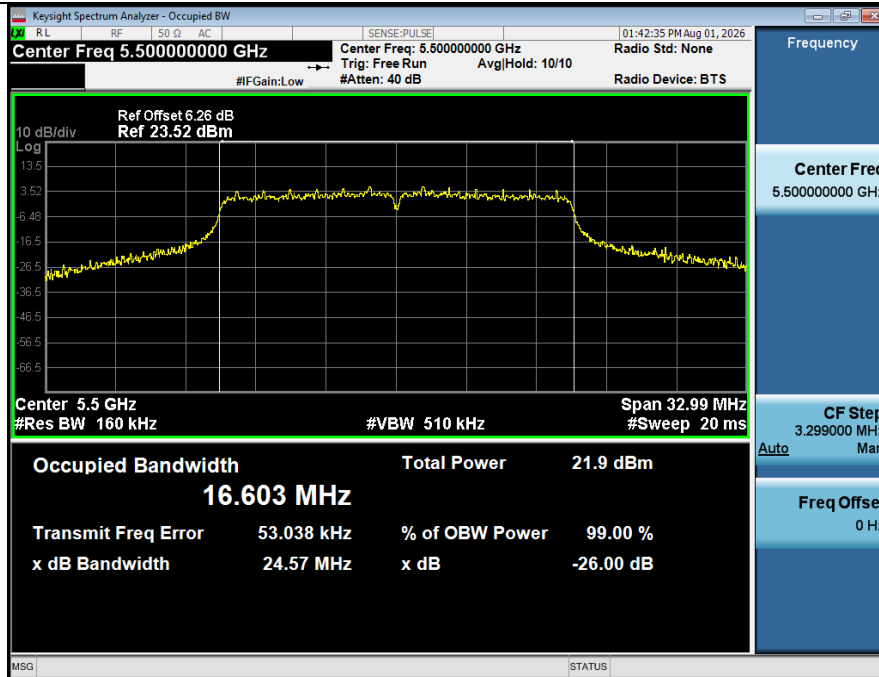
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5290



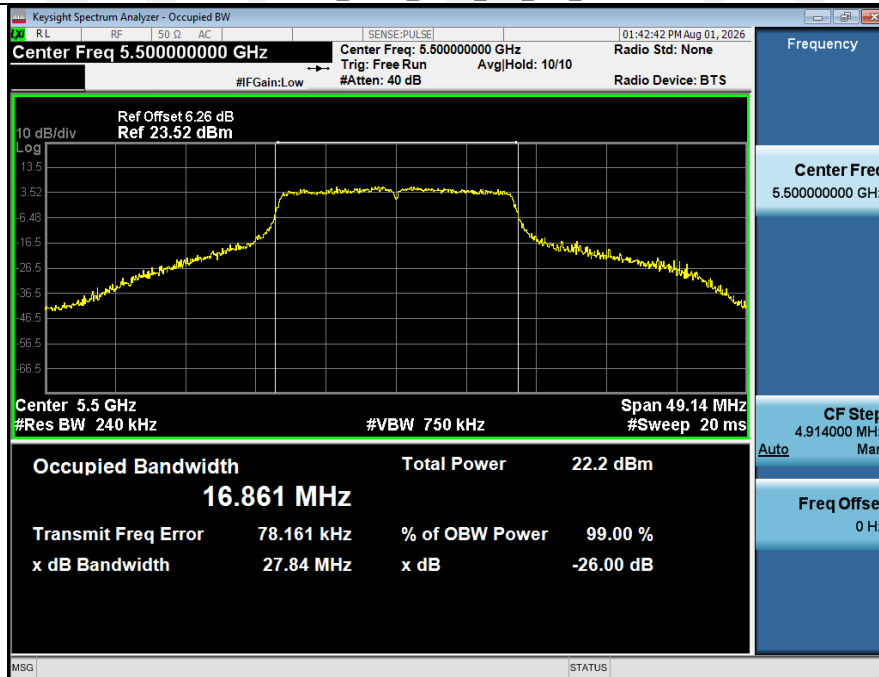
Band 3 (5500-5570 MHz):

Condition	Antenna	Modulation	Frequency(MHz)	26dB Emission Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5500.00	27.84	16.60
NVNT	ANT1	802.11a	5600.00	21.15	16.45
NVNT	ANT1	802.11a	5700.00	25.25	16.61
NVNT	ANT1	802.11n(HT20)	5500.00	28.63	17.84
NVNT	ANT1	802.11n(HT20)	5600.00	21.92	17.67
NVNT	ANT1	802.11n(HT20)	5700.00	21.57	17.70
NVNT	ANT1	802.11ac(VHT20)	5500.00	29.34	17.80
NVNT	ANT1	802.11ac(VHT20)	5600.00	21.90	17.68
NVNT	ANT1	802.11ac(VHT20)	5700.00	26.49	17.79
NVNT	ANT1	802.11n(HT40)	5510.00	58.77	36.24
NVNT	ANT1	802.11n(HT40)	5590.00	40.78	36.10
NVNT	ANT1	802.11n(HT40)	5670.00	60.91	36.36
NVNT	ANT1	802.11ac(VHT40)	5510.00	53.38	36.23
NVNT	ANT1	802.11ac(VHT40)	5590.00	40.54	36.09
NVNT	ANT1	802.11ac(VHT40)	5670.00	64.68	36.40
NVNT	ANT1	802.11ac(VHT80)	5530.00	108.60	75.62
NVNT	ANT1	802.11ac(VHT80)	5610.00	79.99	75.30

99%_OCB_NVNT_ANT1_802_11a_5500



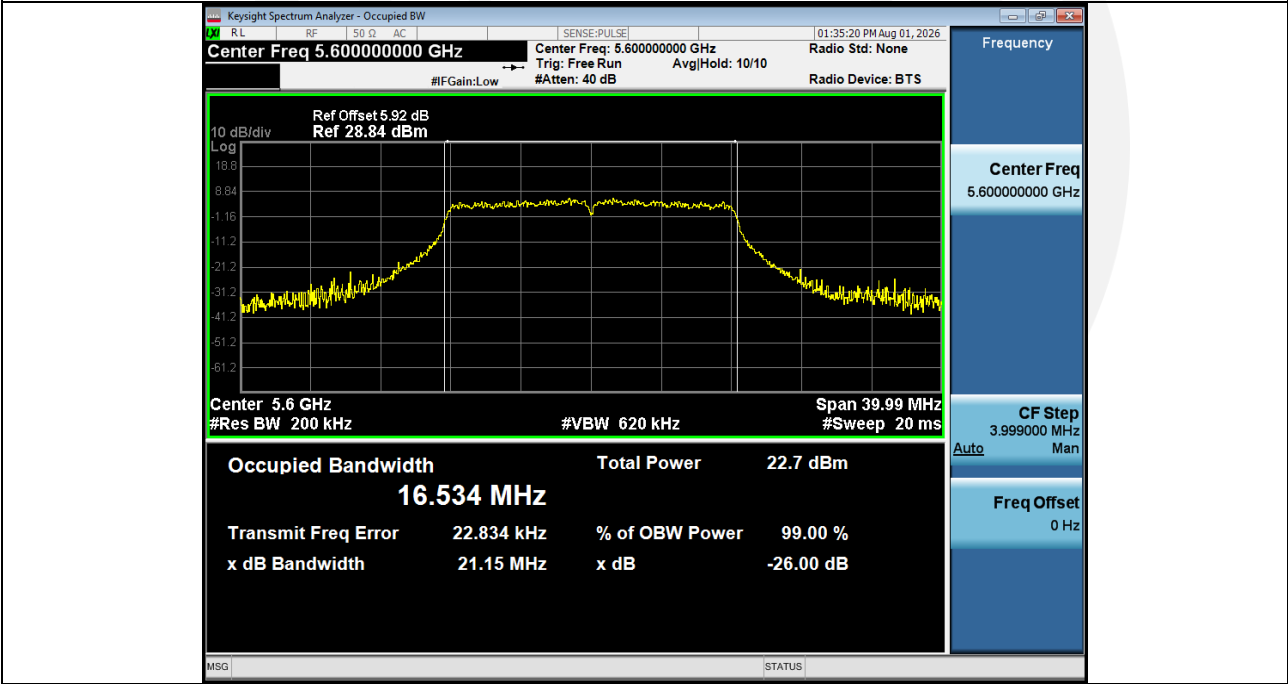
-26BW_NVNT_ANT1_802_11a_5500



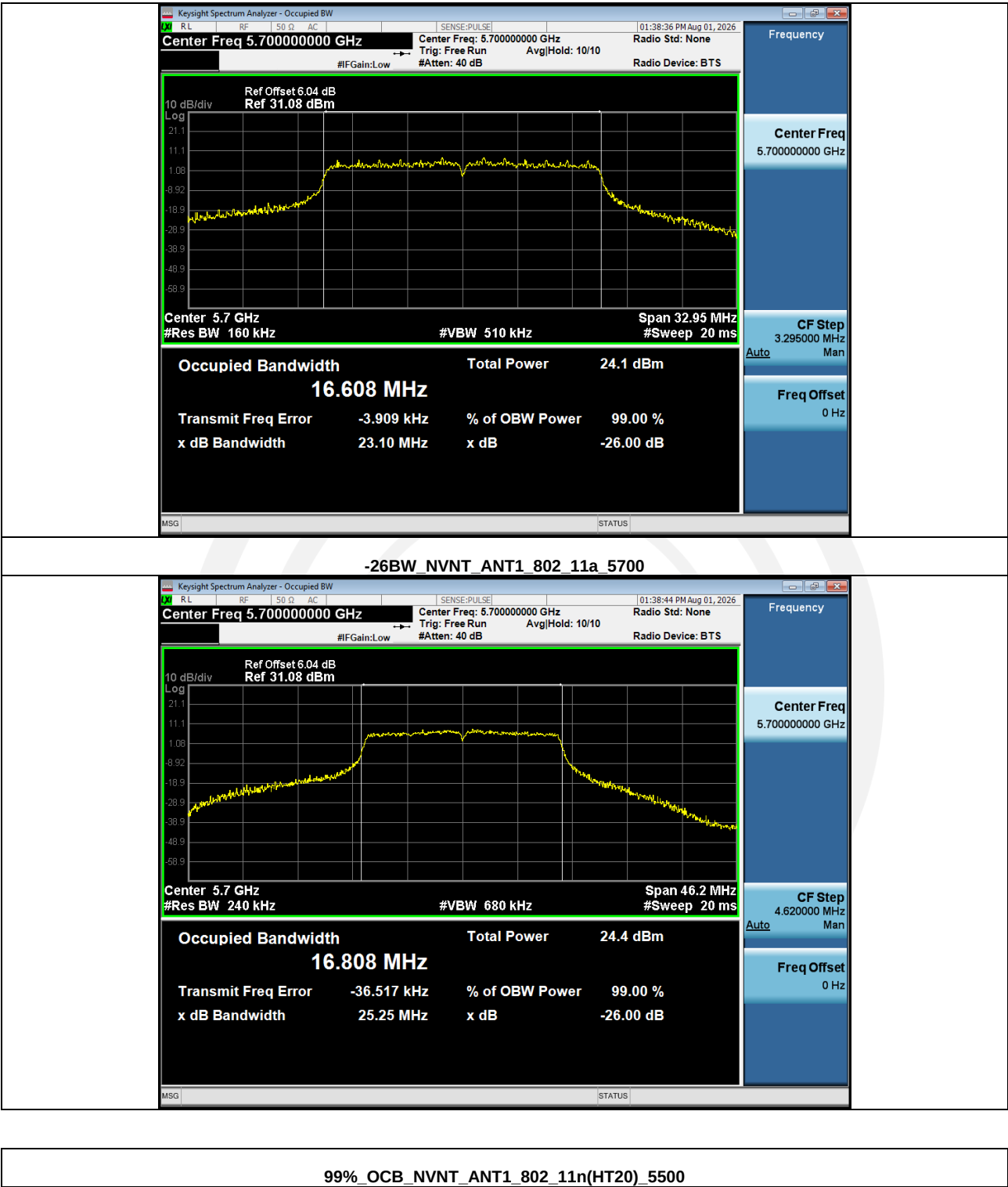
99%_OCB_NVNT_ANT1_802_11a_5600

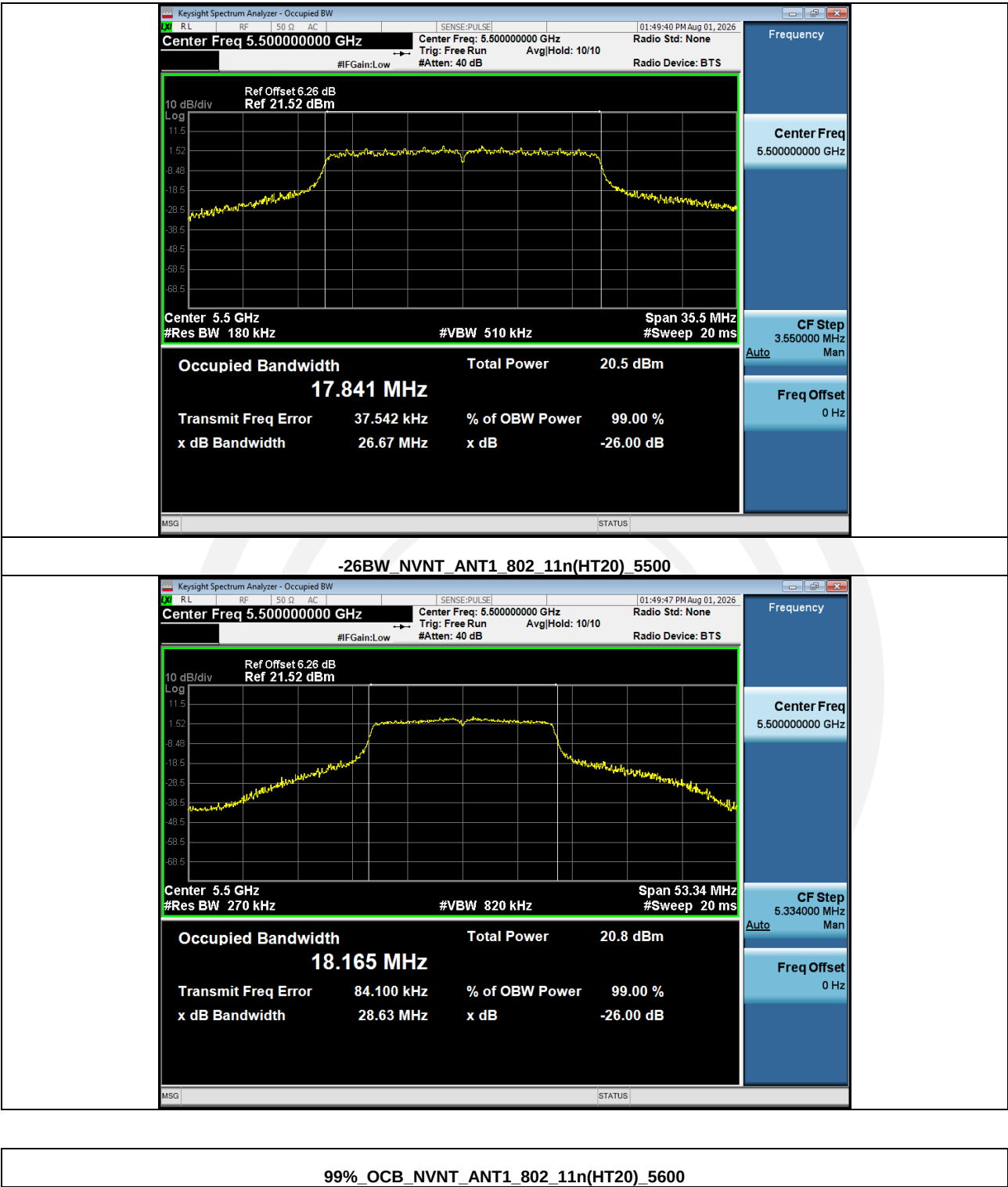


-26BW_NVNT_ANT1_802_11a_5600



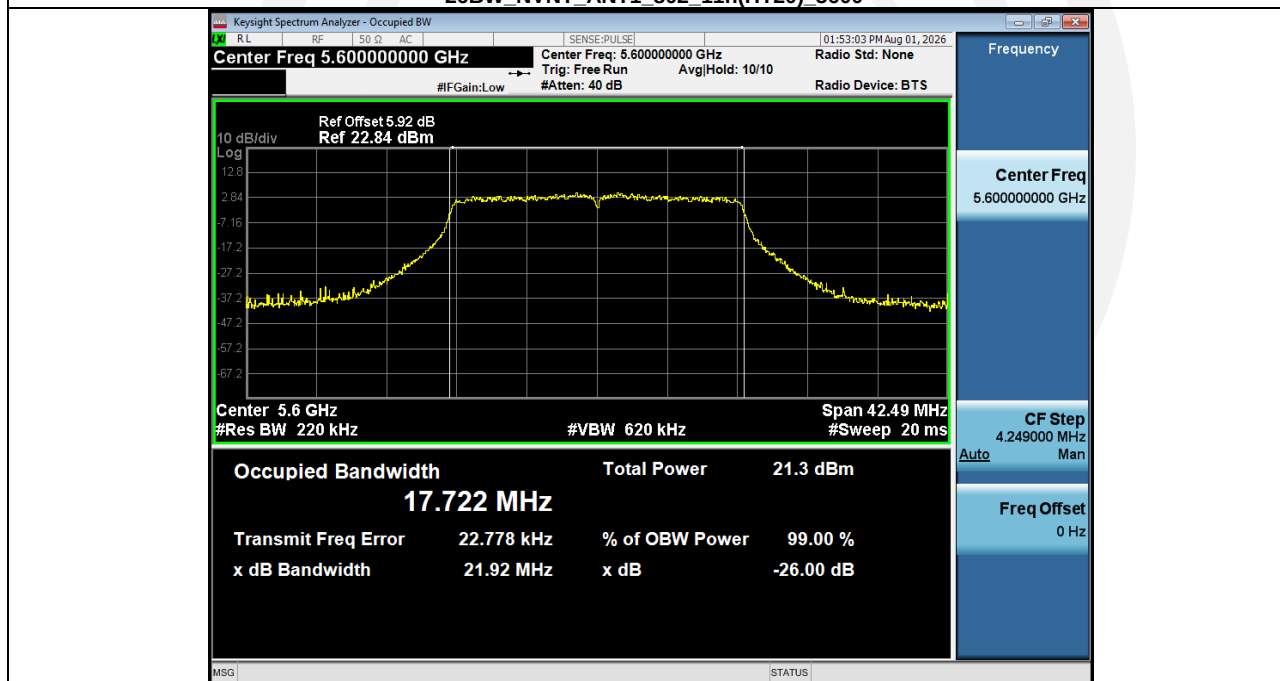
99%_OCB_NVNT_ANT1_802_11a_5700



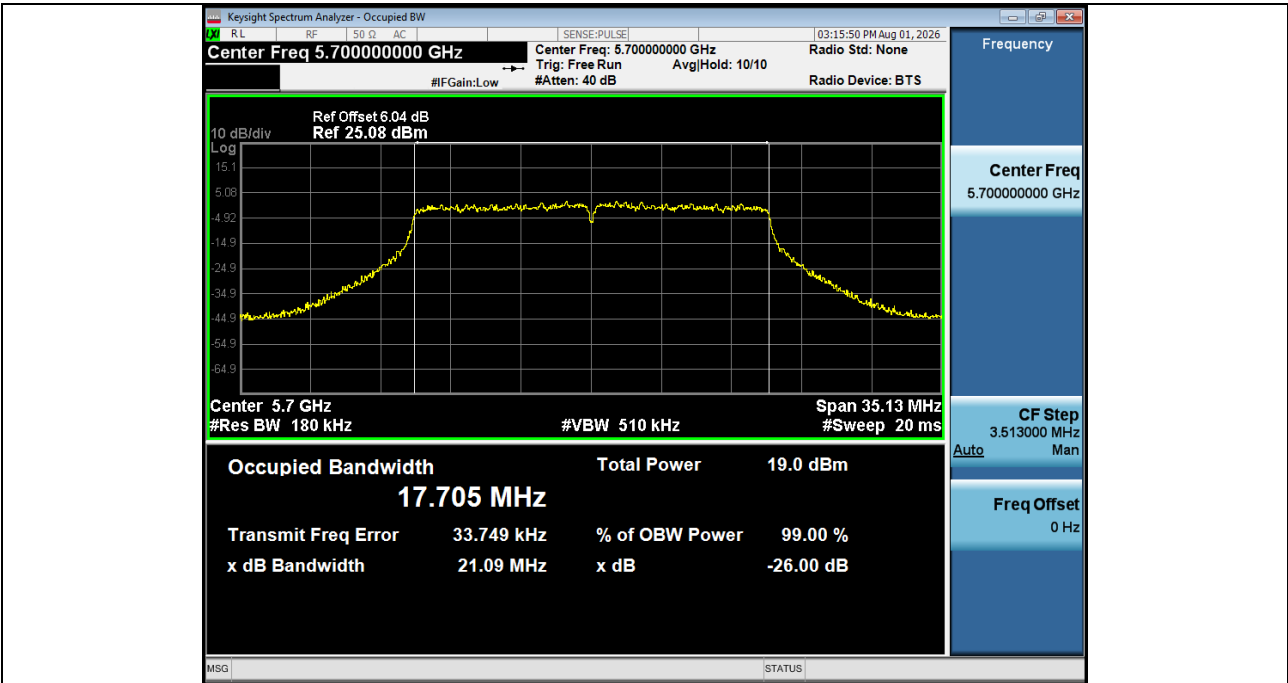




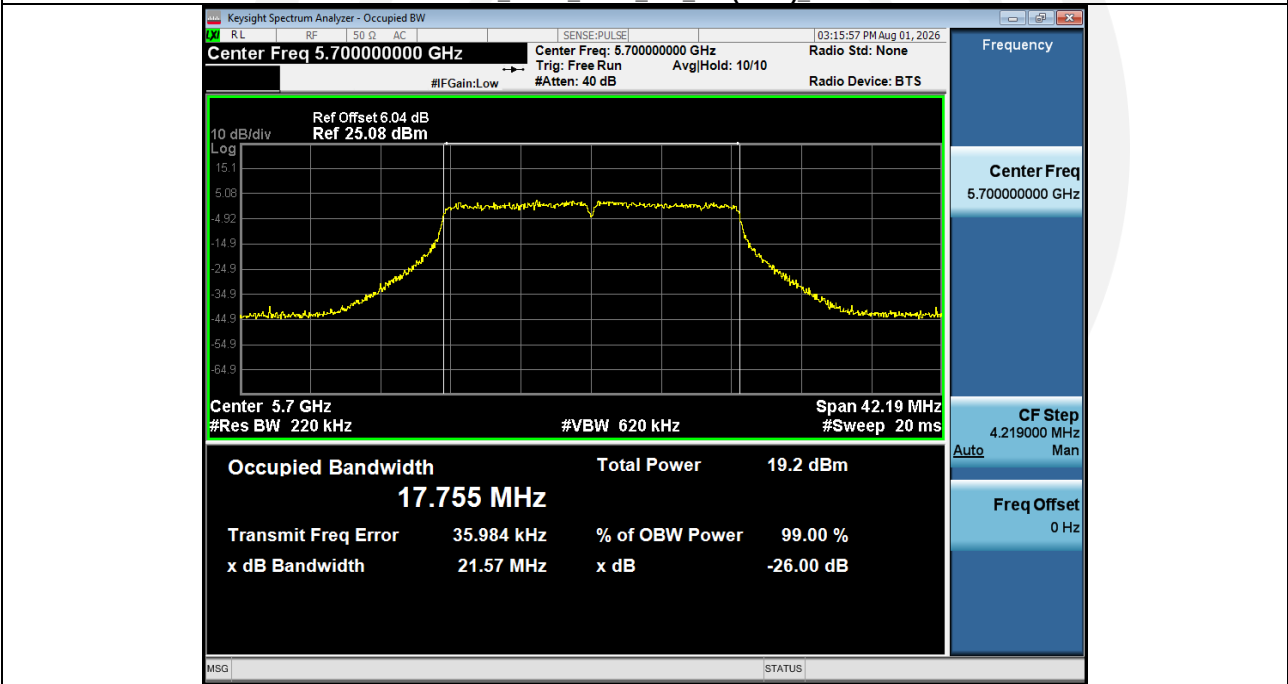
-26BW NVNT ANT1 802 11n(HT20) 5600



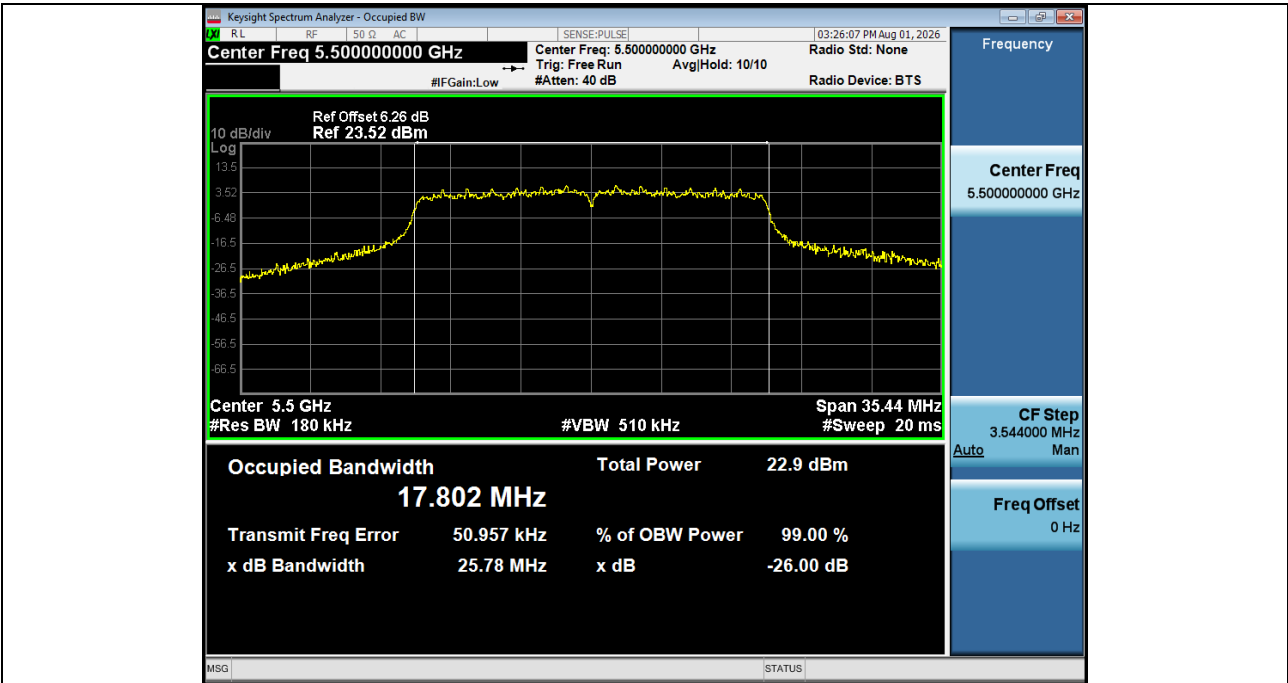
99%_OCB_NVNT_ANT1_802_11n(HT20)_5700



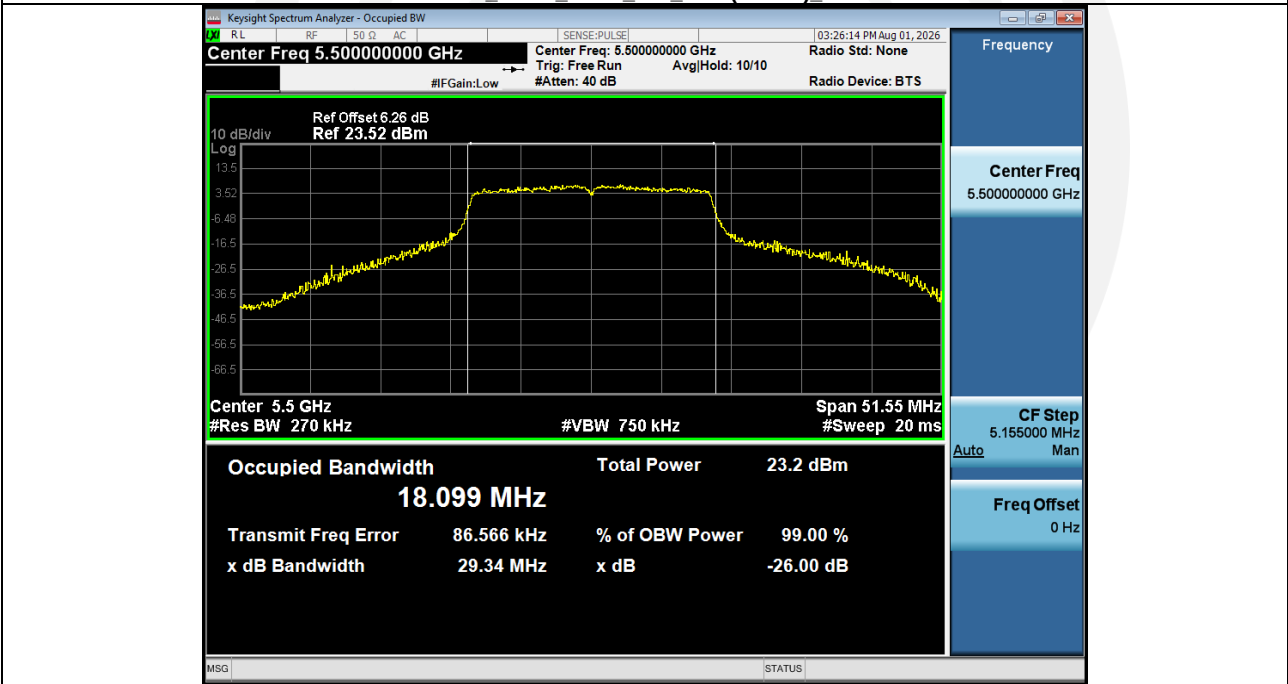
-26BW_NVNT_ANT1_802_11n(HT20)_5700



99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5500



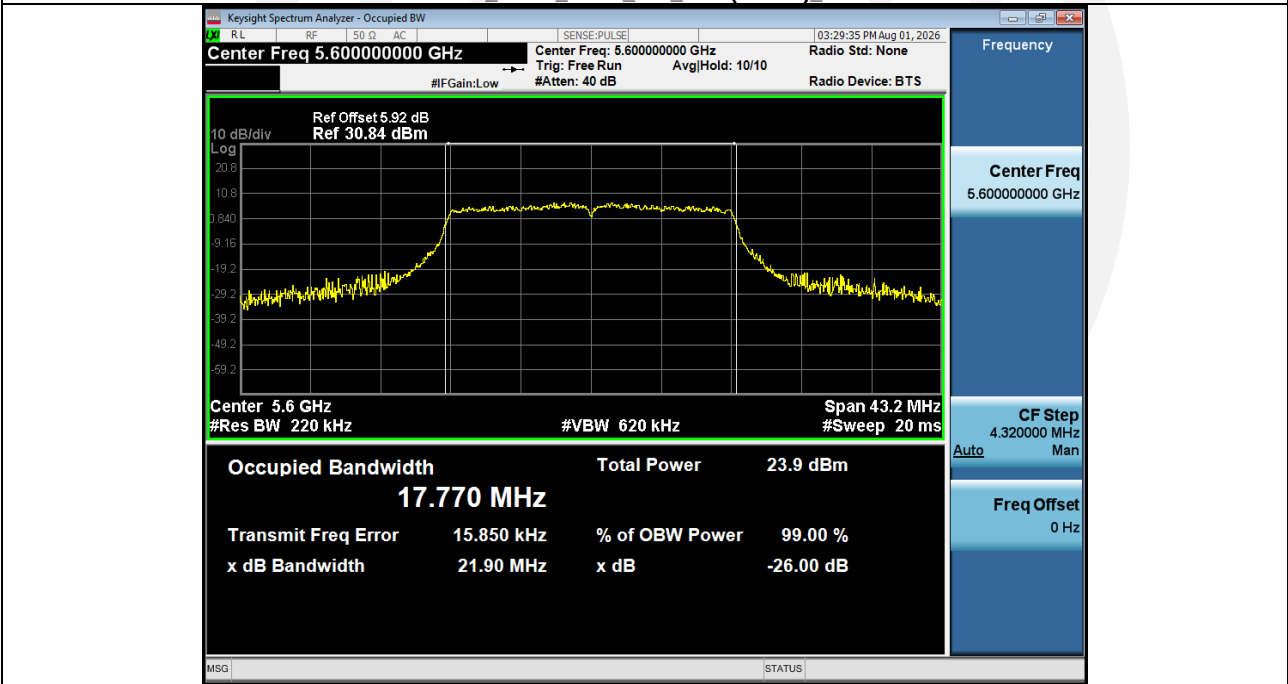
-26BW_NVNT_ANT1_802_11ac(VHT20)_5500



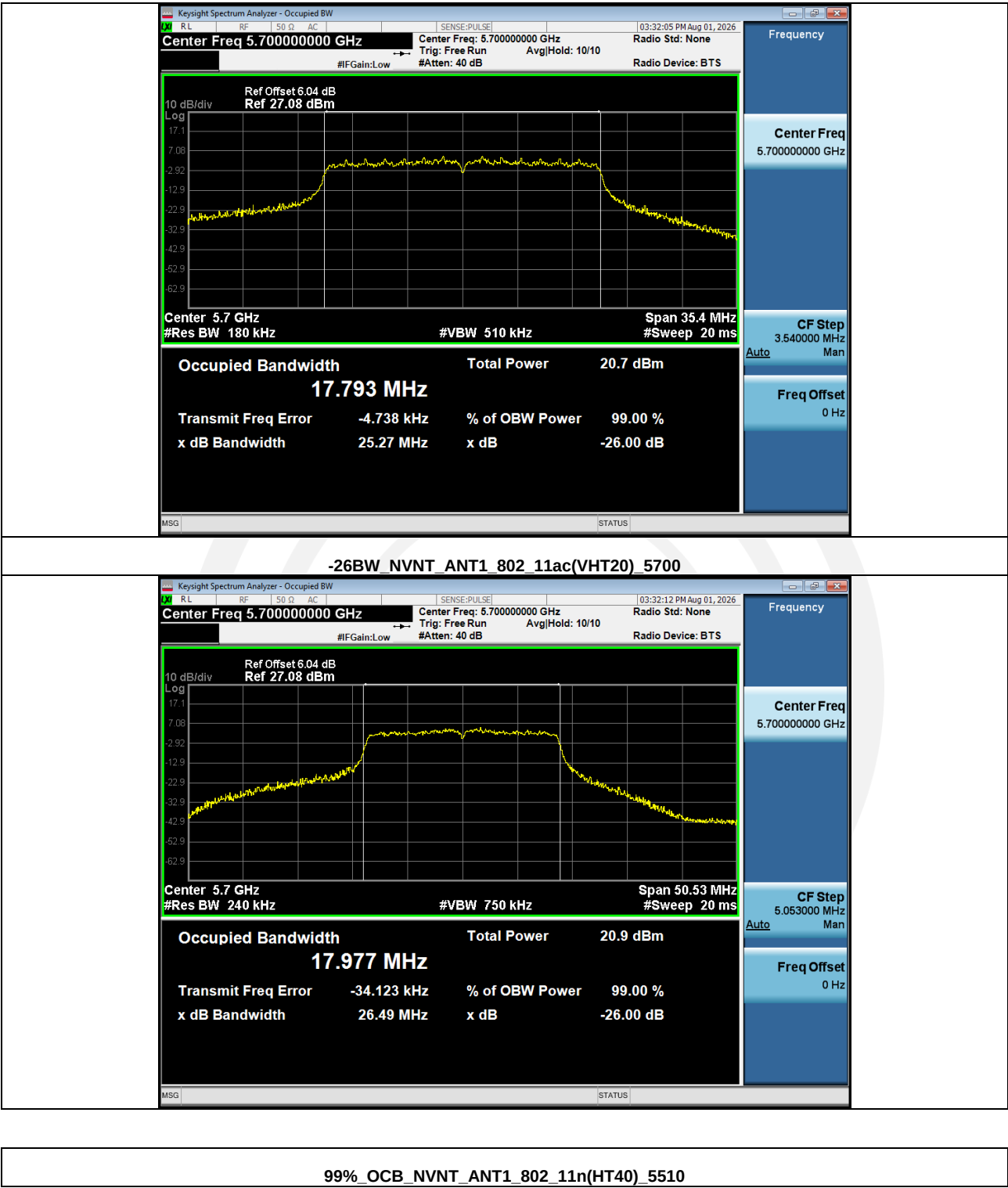
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5600



-26BW_NVNT_ANT1_802_11ac(VHT20)_5600



99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5700



-26BW_NVNT_ANT1_802_11ac(VHT20)_5700

Keysight Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:PULSE

03:32:12 PM Aug 01, 2026

Center Freq 5.700000000 GHz

Center Freq: 5.700000000 GHz

Radio Std: None

#FGain:Low

Trig: Free Run

Avg/Hold: 10/10

Radio Device: BTS

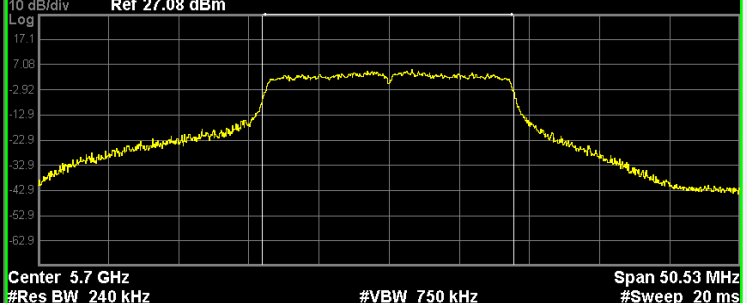
#Atten: 40 dB

10 dB/div

Log

Ref Offset 6.04 dB

Ref 27.08 dBm



Center 5.7 GHz

#Res BW 240 kHz

#VBW 750 kHz

Span 50.53 MHz

#Sweep 20 ms

Occupied Bandwidth

17.977 MHz

Total Power

20.9 dBm

Transmit Freq Error

-34.123 kHz

% of OBW Power

99.00 %

x dB Bandwidth

26.49 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.700000000 GHz

CF Step

5.053000 MHz

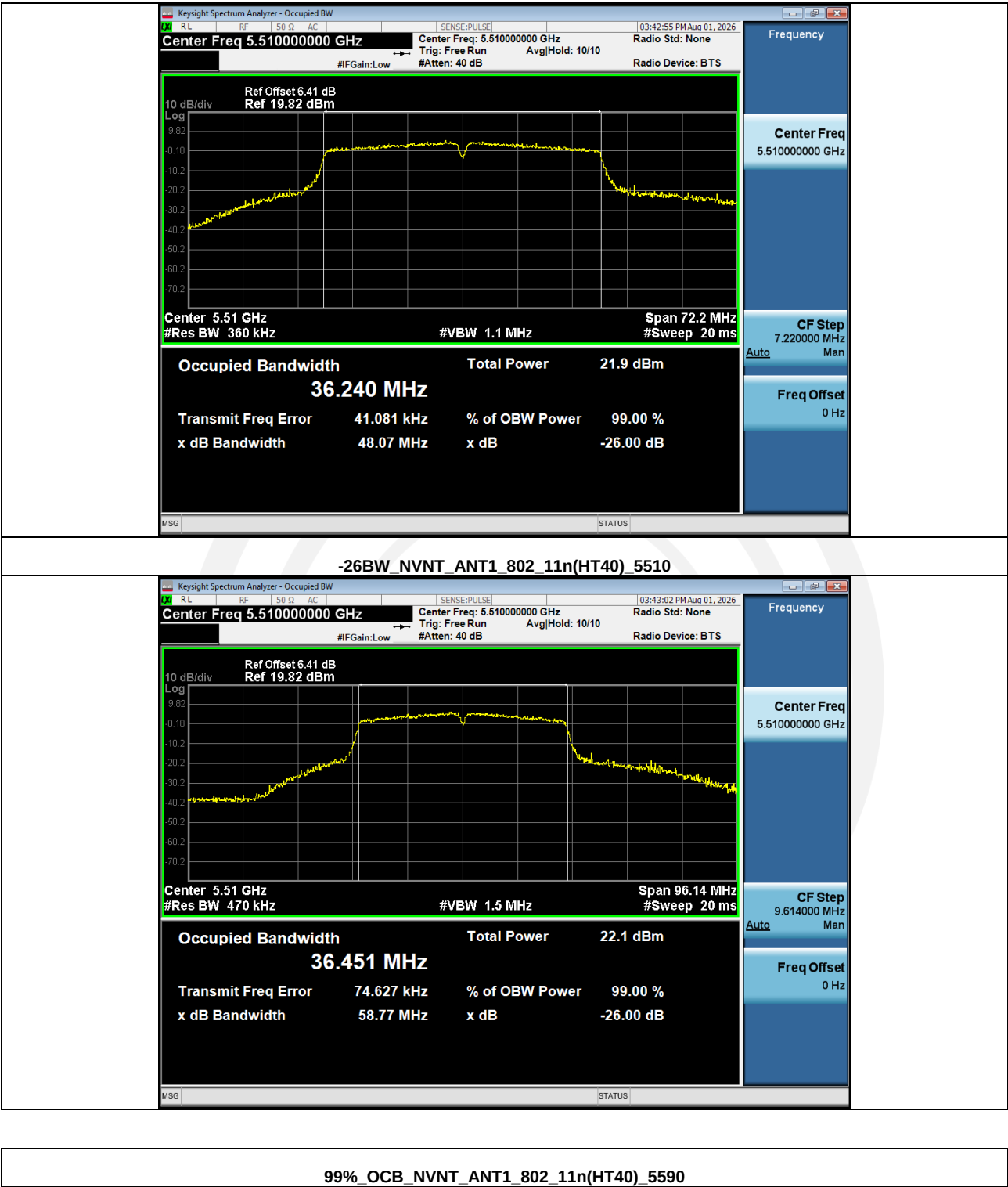
Auto

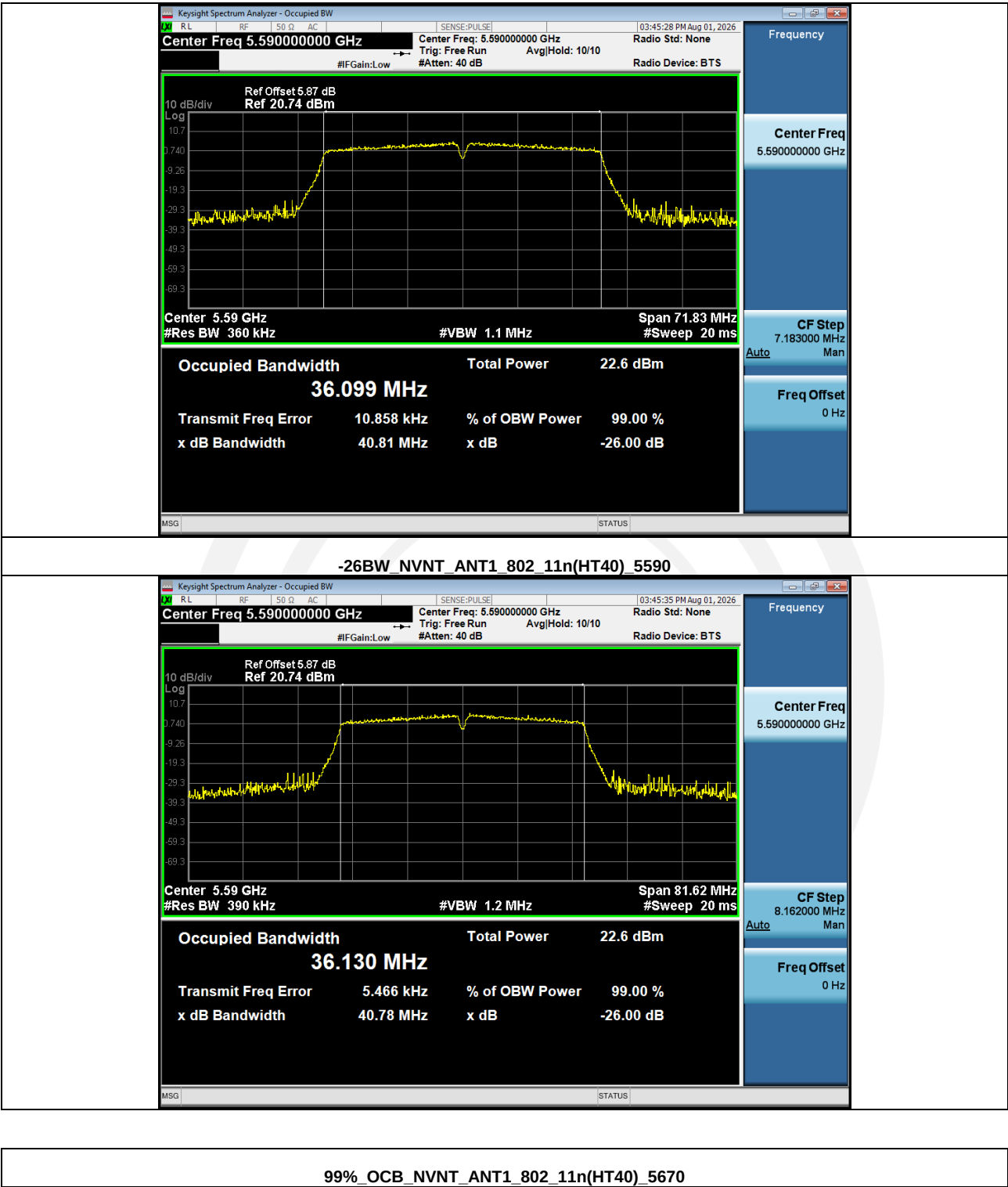
Man

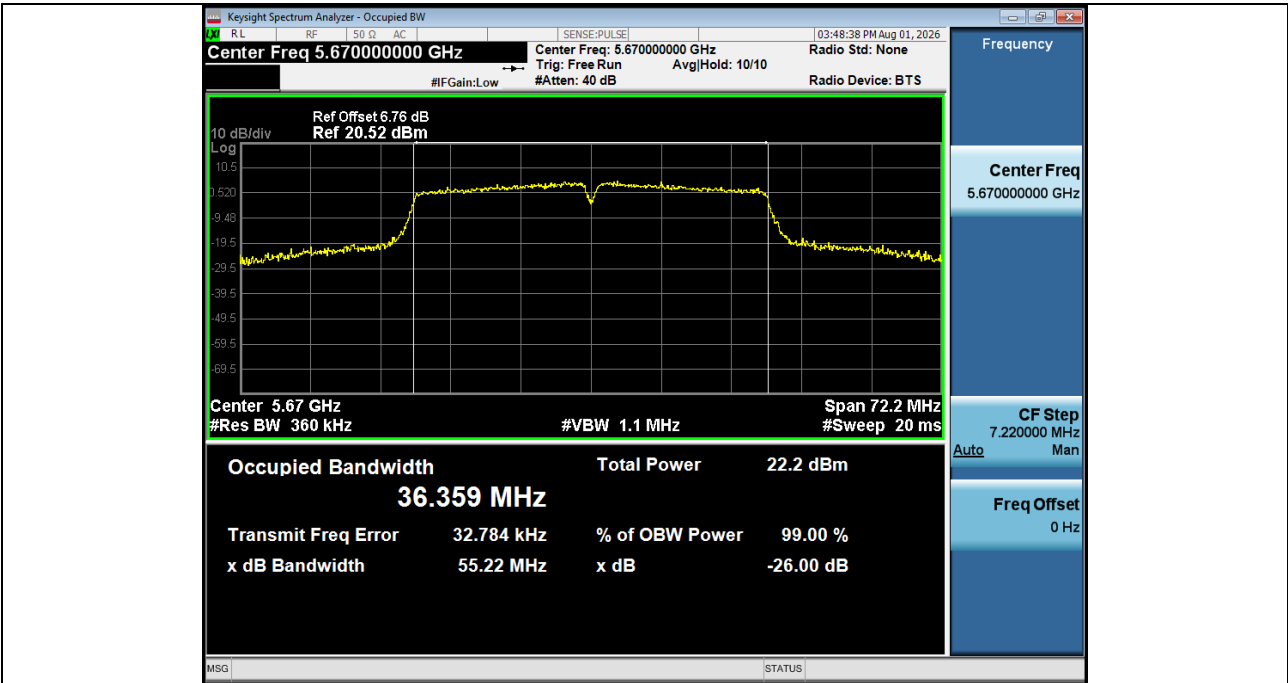
Freq Offset

0 Hz

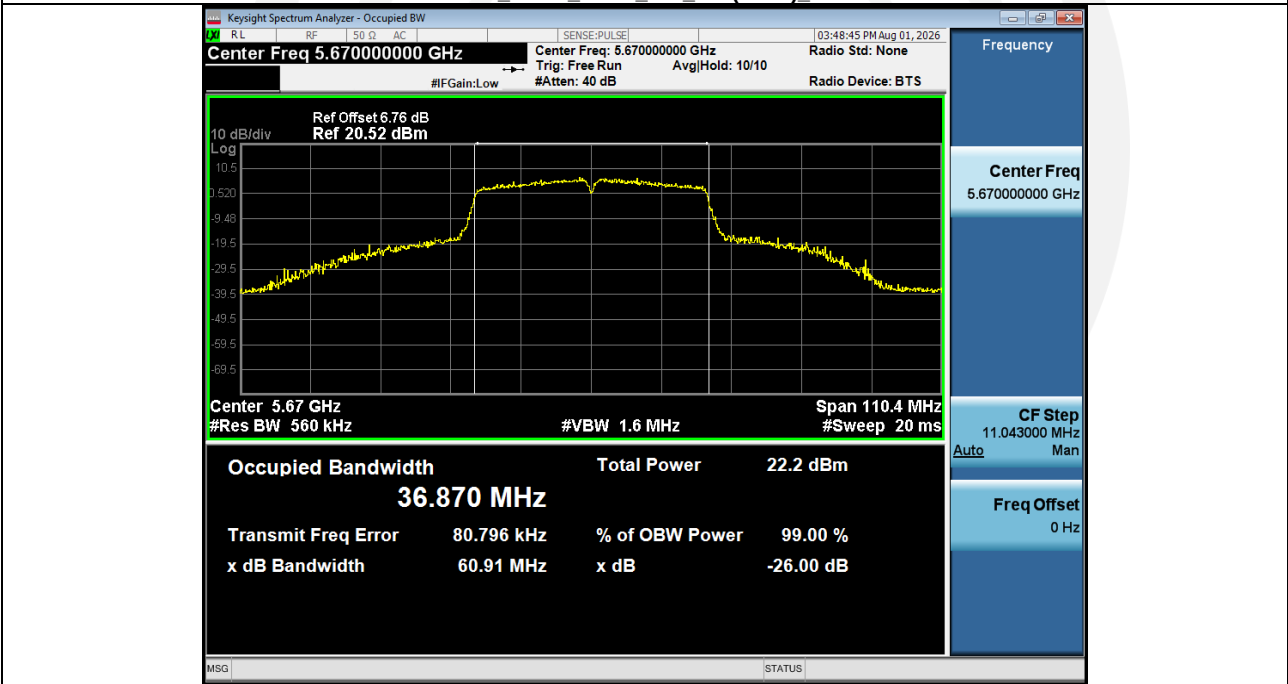
99%_OCB_NVNT_ANT1_802_11n(HT40)_5510



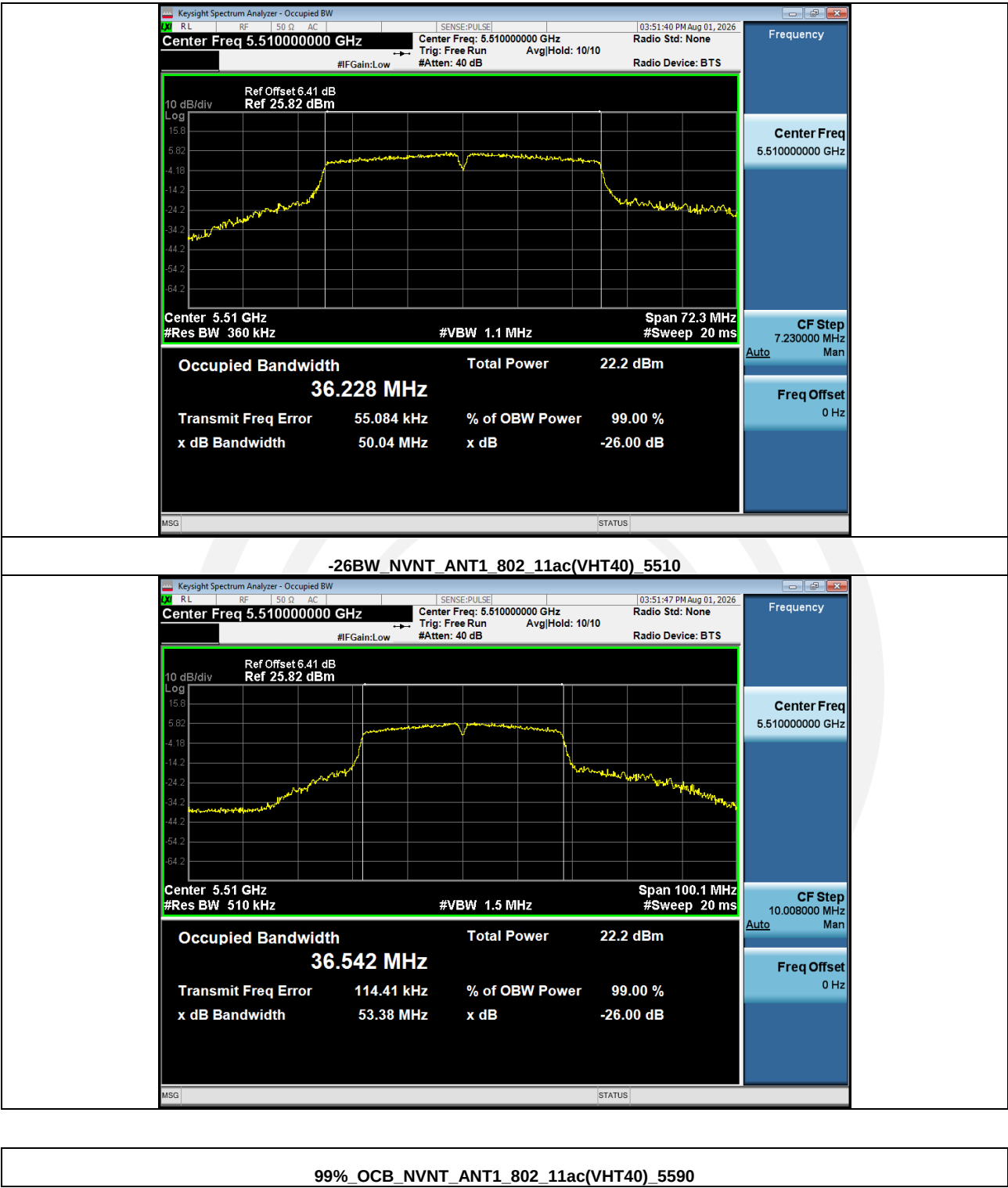




-26BW_NVNT_ANT1_802_11n(HT40)_5670



99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5510



-26BW_NVNT_ANT1_802_11ac(VHT40)_5510

Keysight Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:PULSE

03:51:47 PM Aug 01, 2026

Center Freq 5.510000000 GHz

Center Freq: 5.510000000 GHz

Radio Std: None

#FGain:Low

Trig: Free Run

Avg/Hold: 10/10

Radio Device: BTS

Ref Offset 6.41 dB

Ref 25.82 dBm

10 dB/div

Log

15.8

5.82

-4.18

-14.2

-24.2

-34.2

-44.2

-54.2

-64.2

Center 5.51 GHz

#Res BW 510 kHz

#VBW 1.5 MHz

Span 100.1 MHz

#Sweep 20 ms

Occupied Bandwidth

Total Power

22.2 dBm

36.542 MHz

Transmit Freq Error

114.41 kHz

% of OBW Power

99.00 %

x dB Bandwidth

53.38 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.510000000 GHz

CF Step

10.008000 MHz

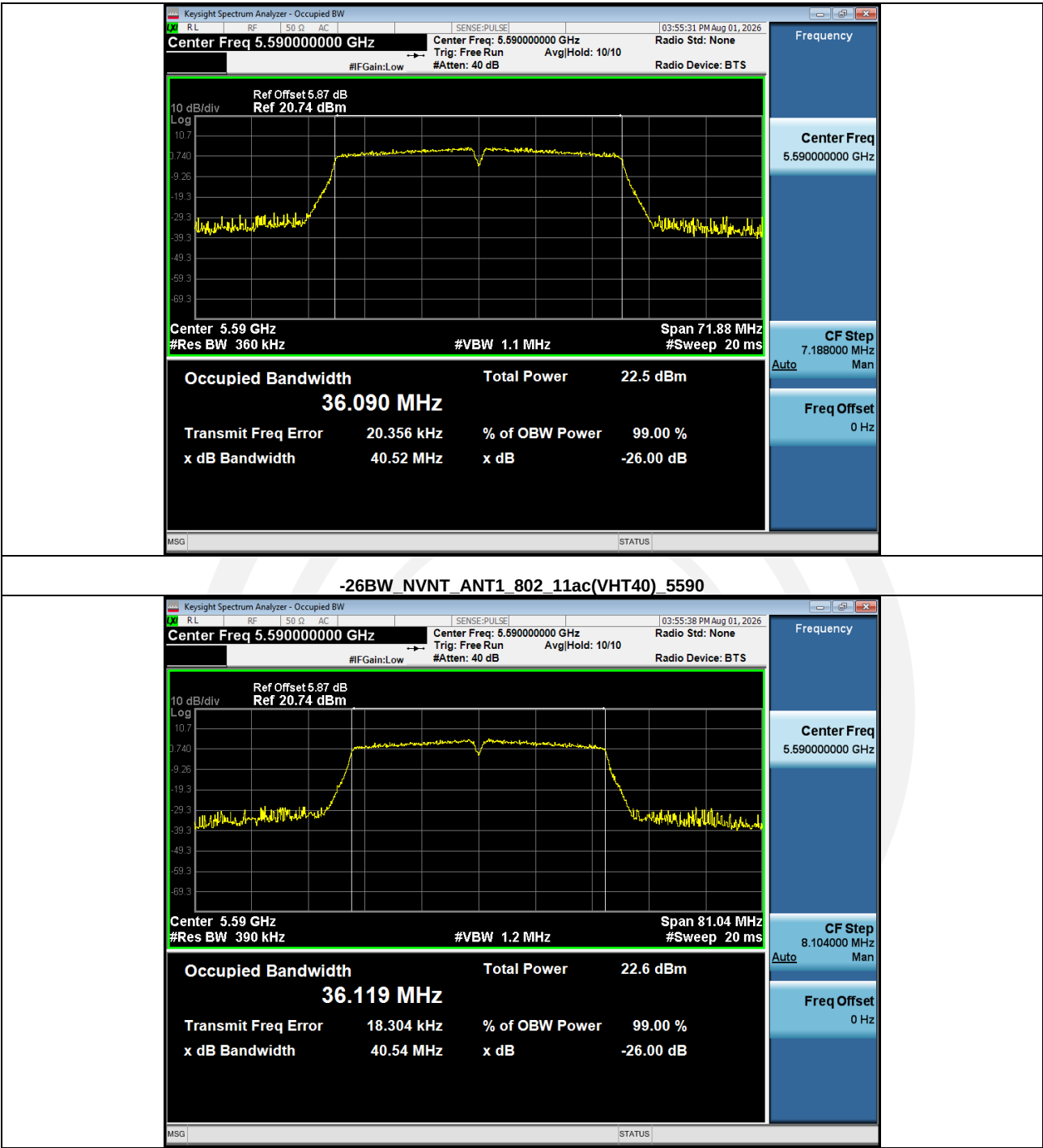
Auto

Man

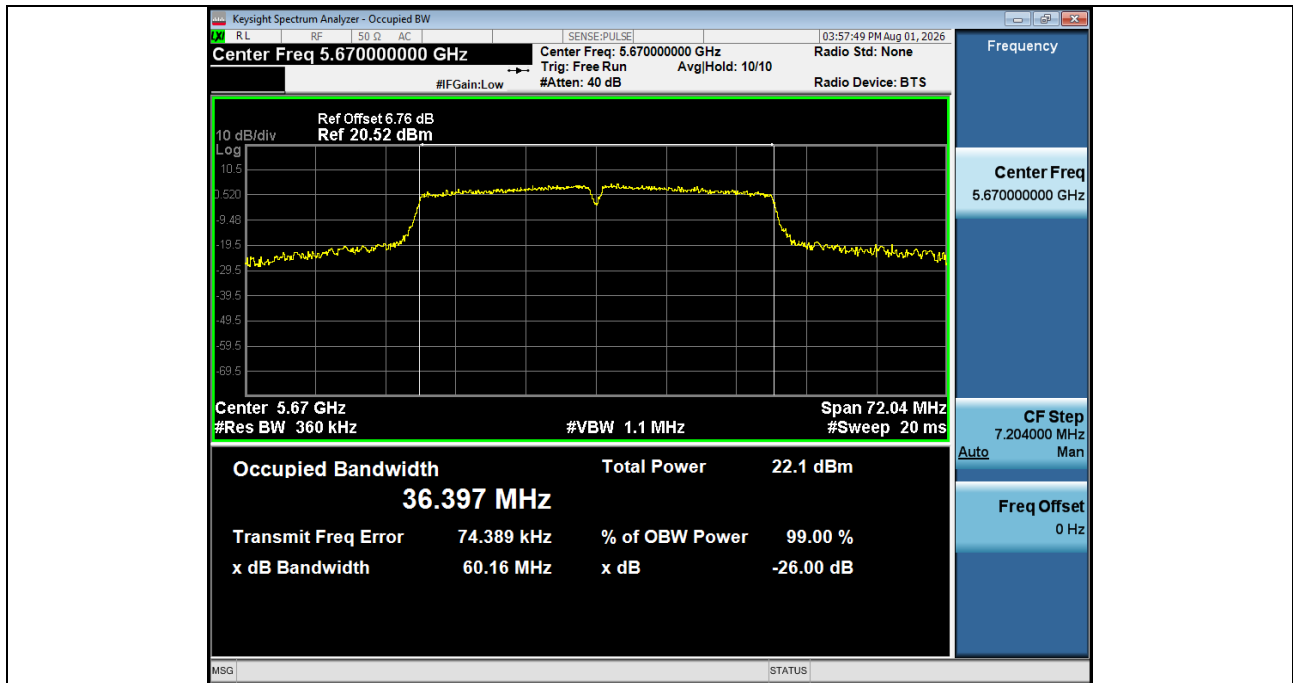
Freq Offset

0 Hz

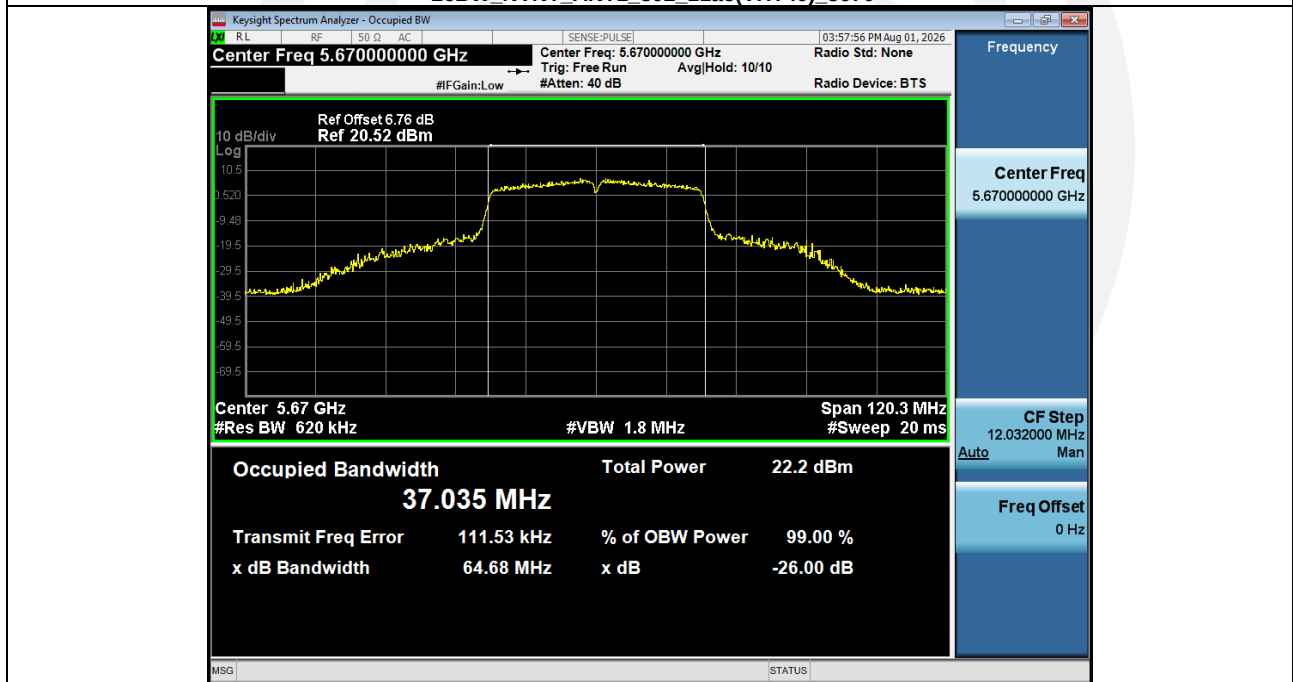
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5590



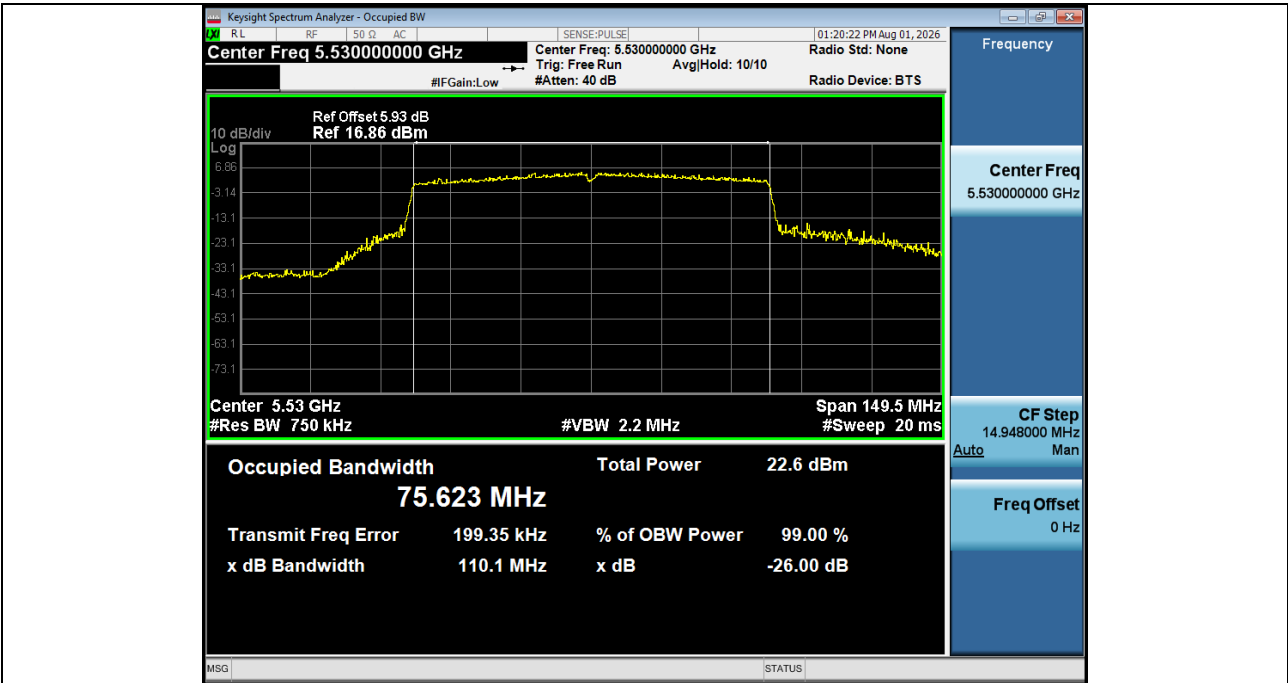
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5670



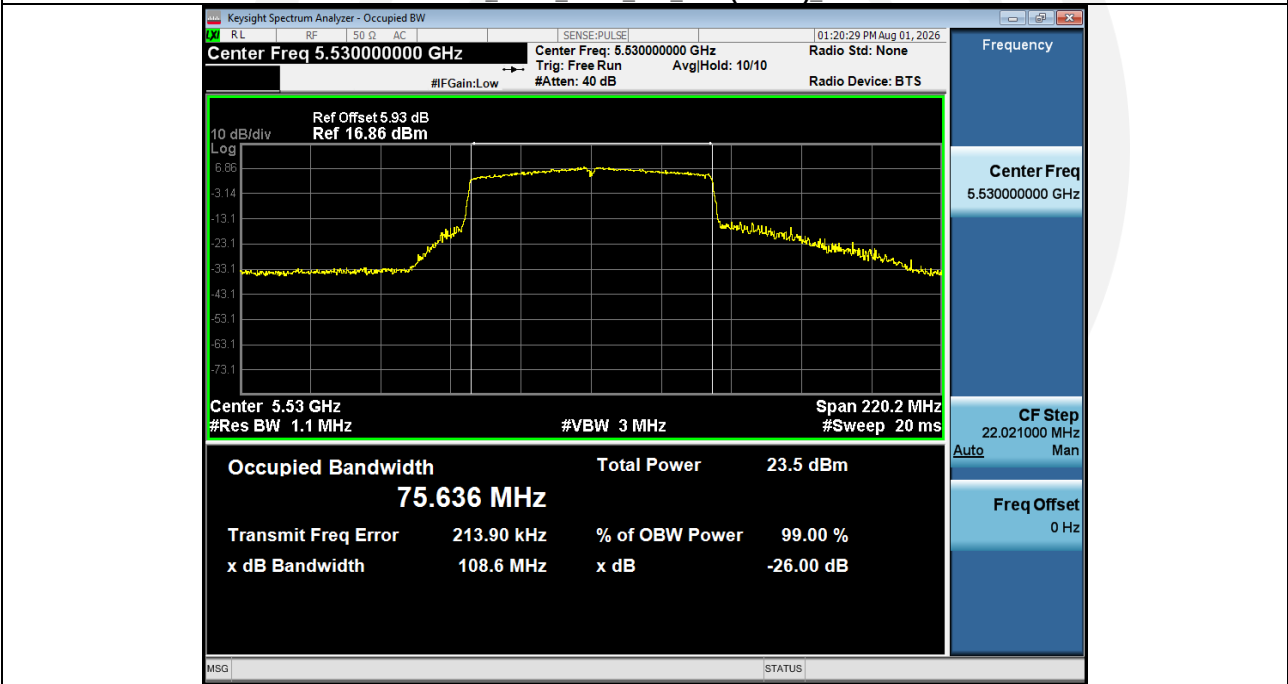
-26BW_NVNT_ANT1_802_11ac(VHT40)_5670



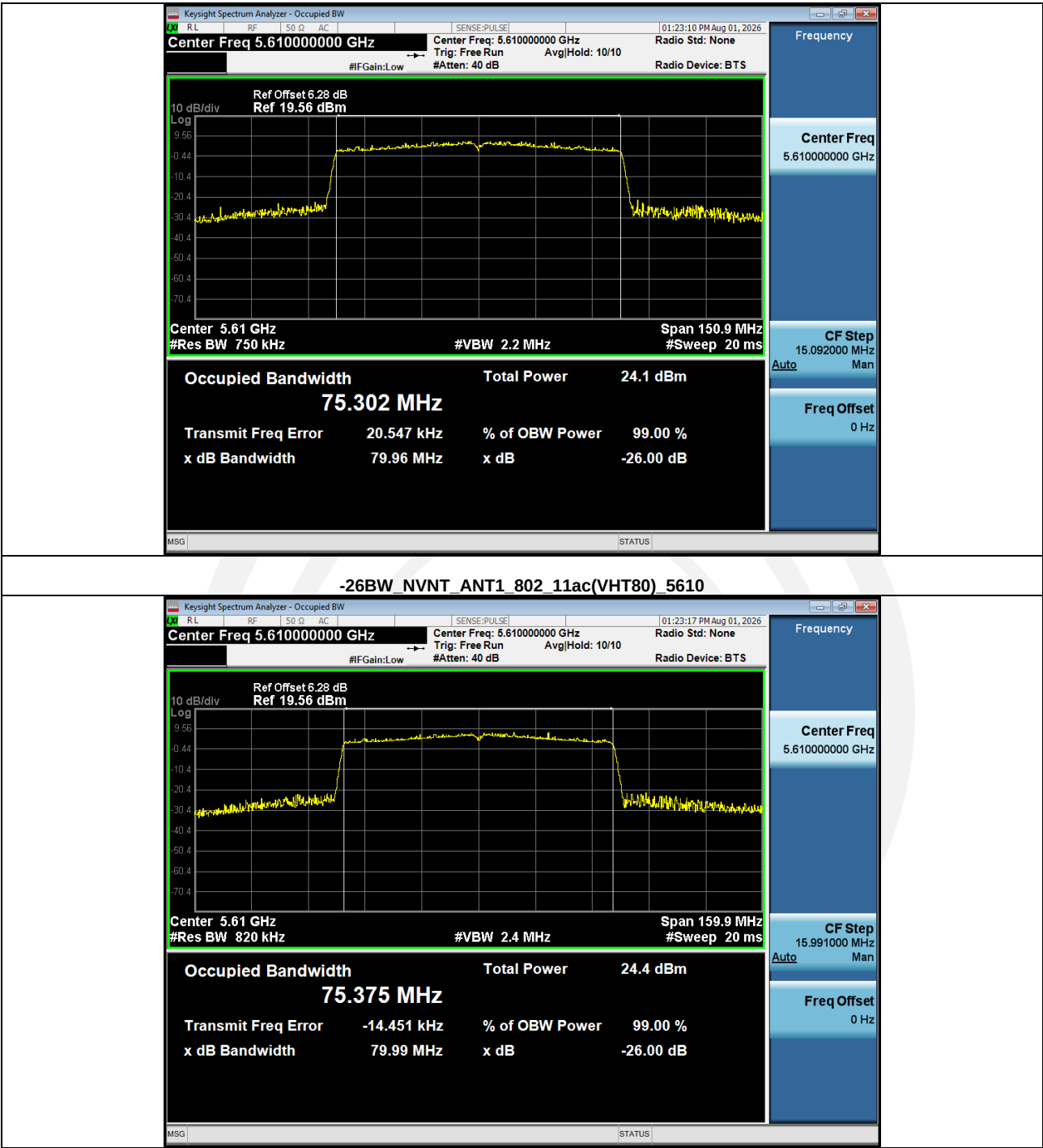
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5530



-26BW_NVNT_ANT1_802_11ac(VHT80)_5530



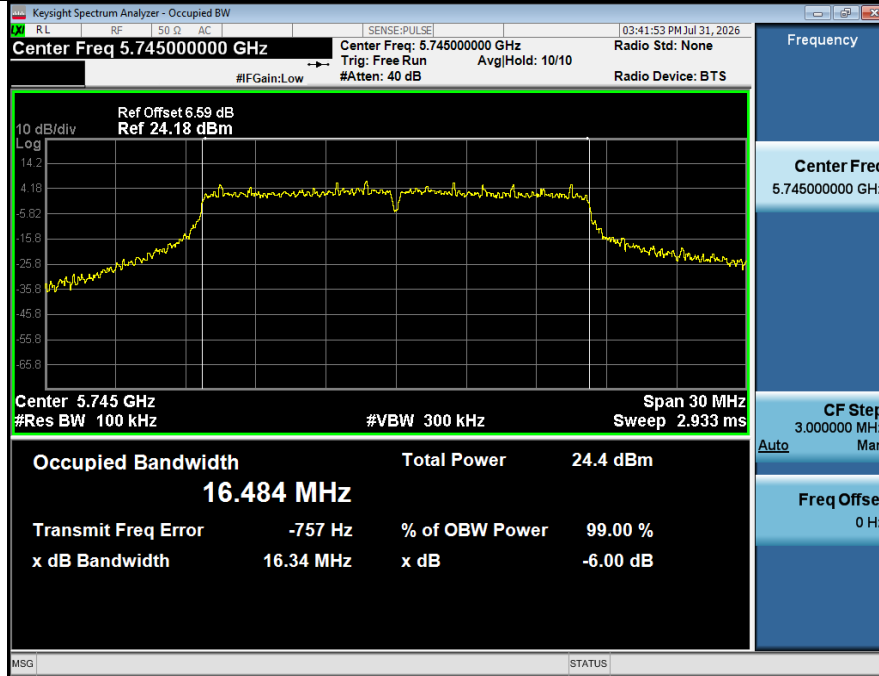
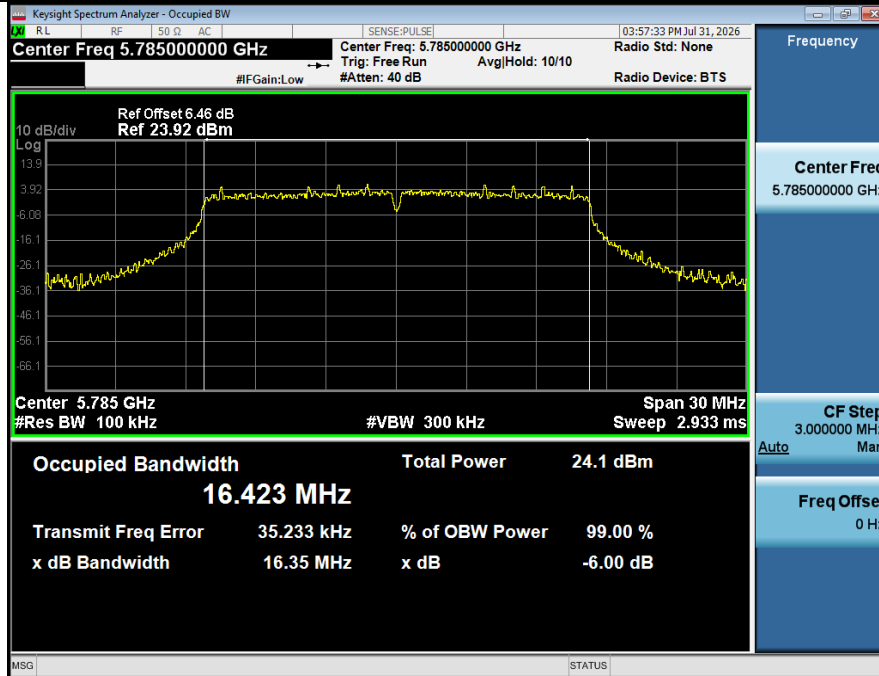
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5610

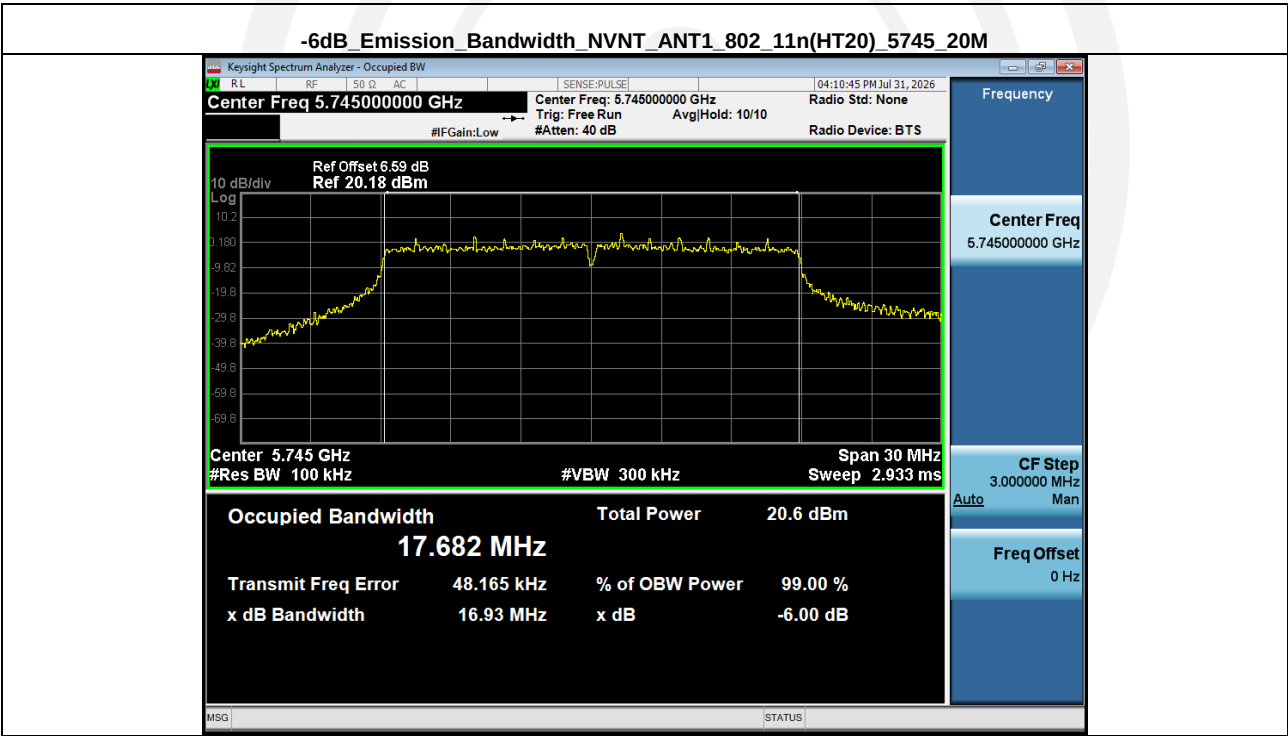
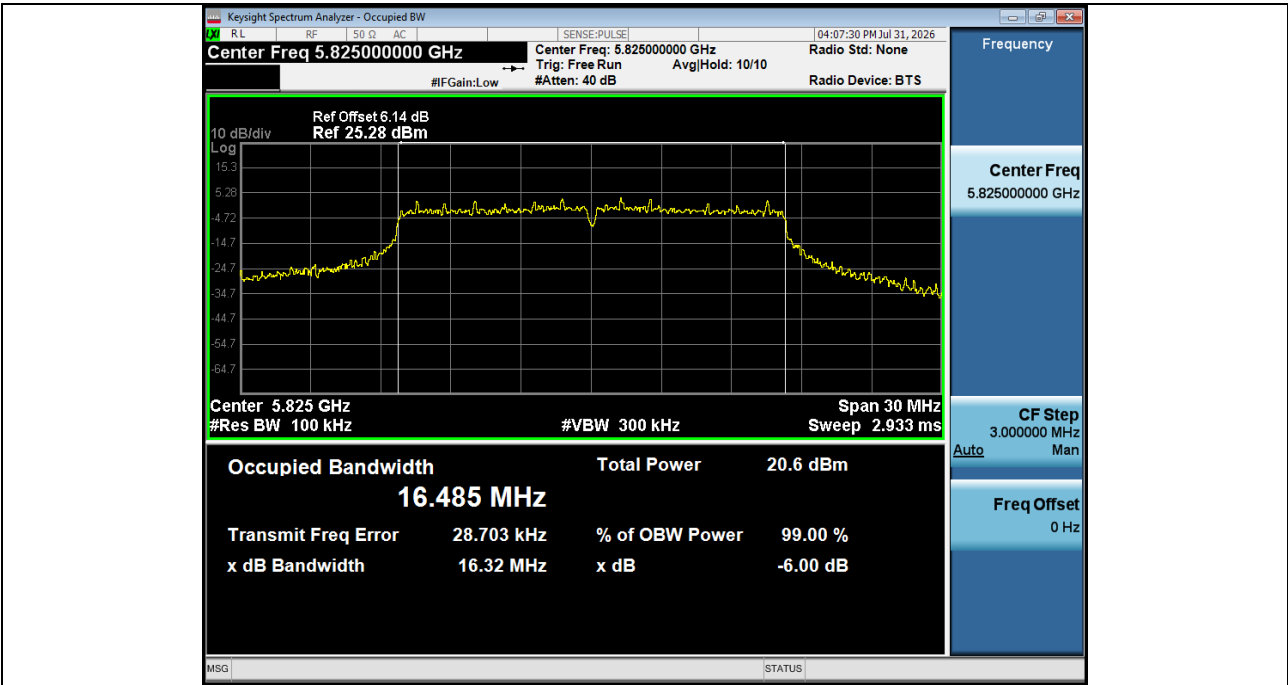


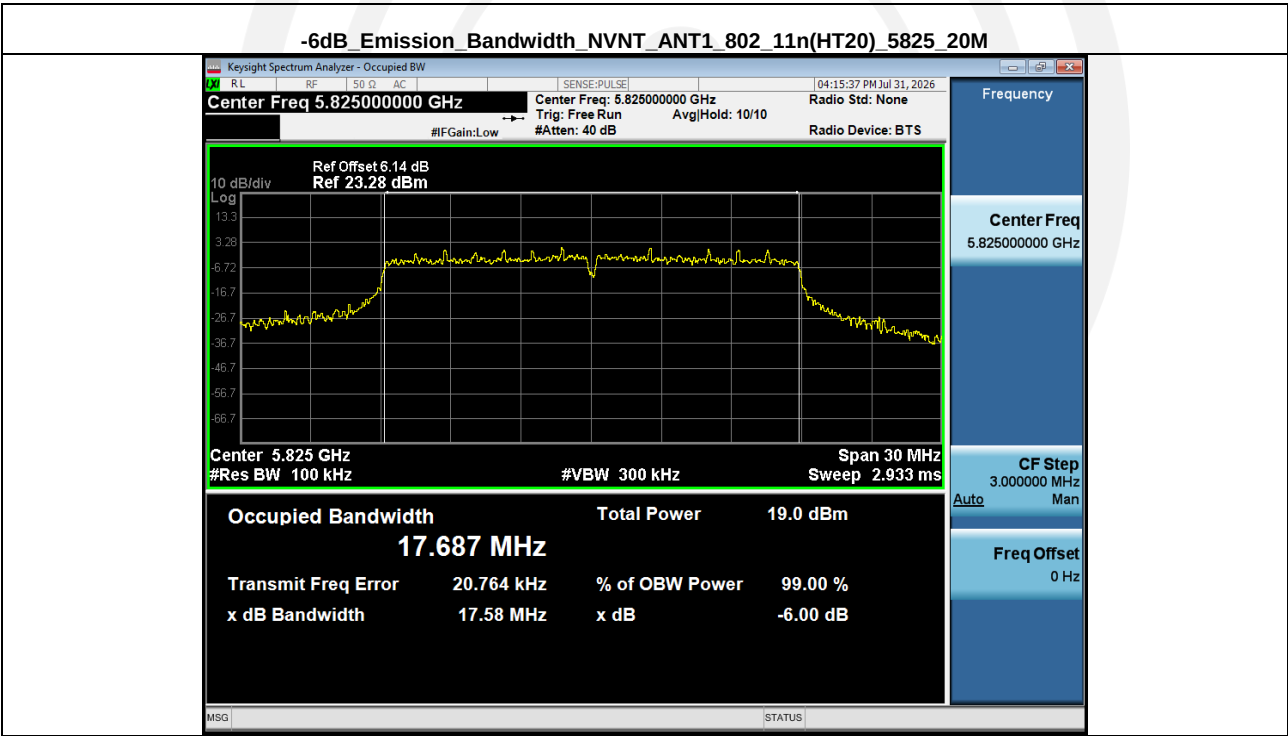
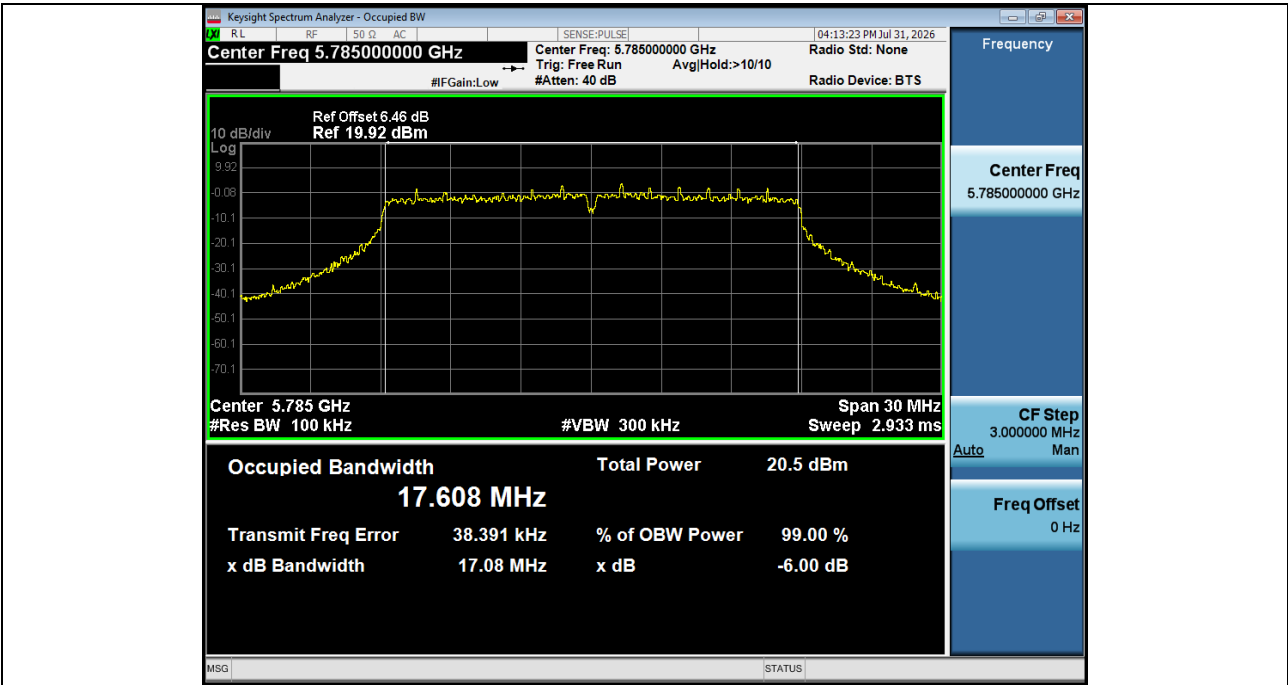
Band 4 (5725-5850 MHz):

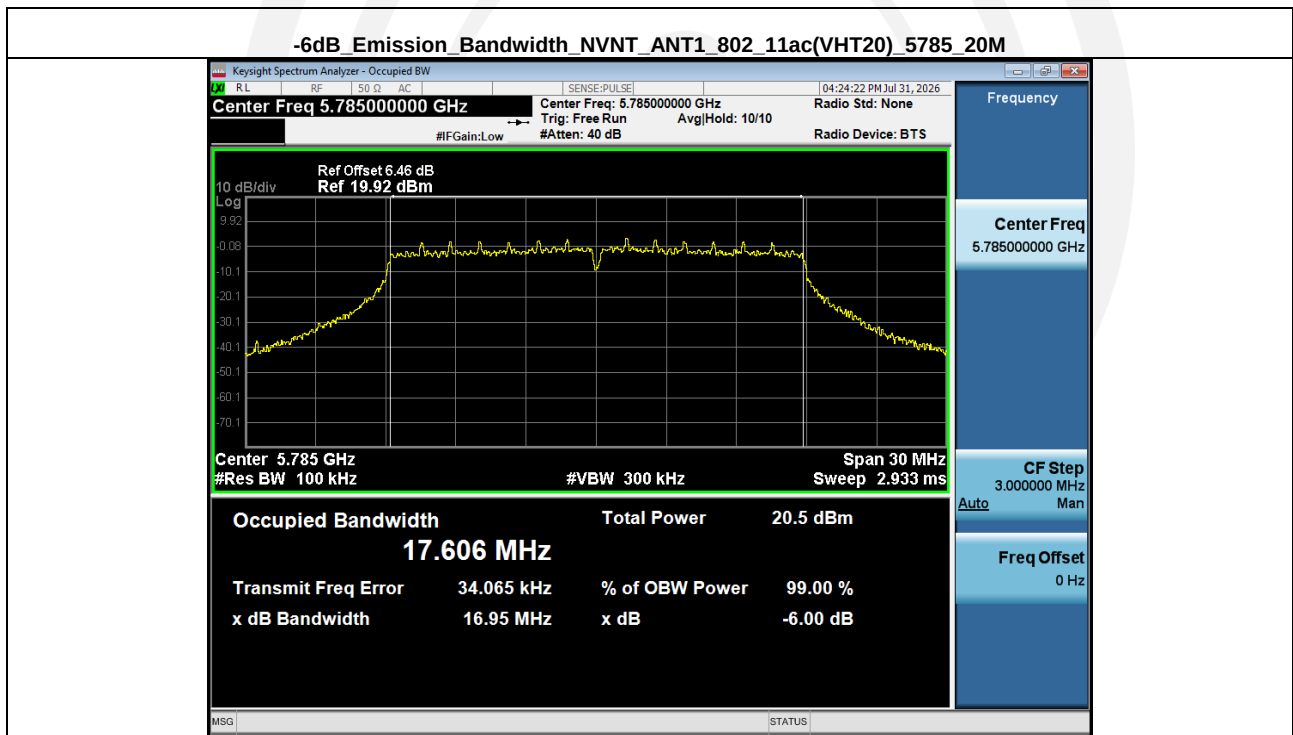
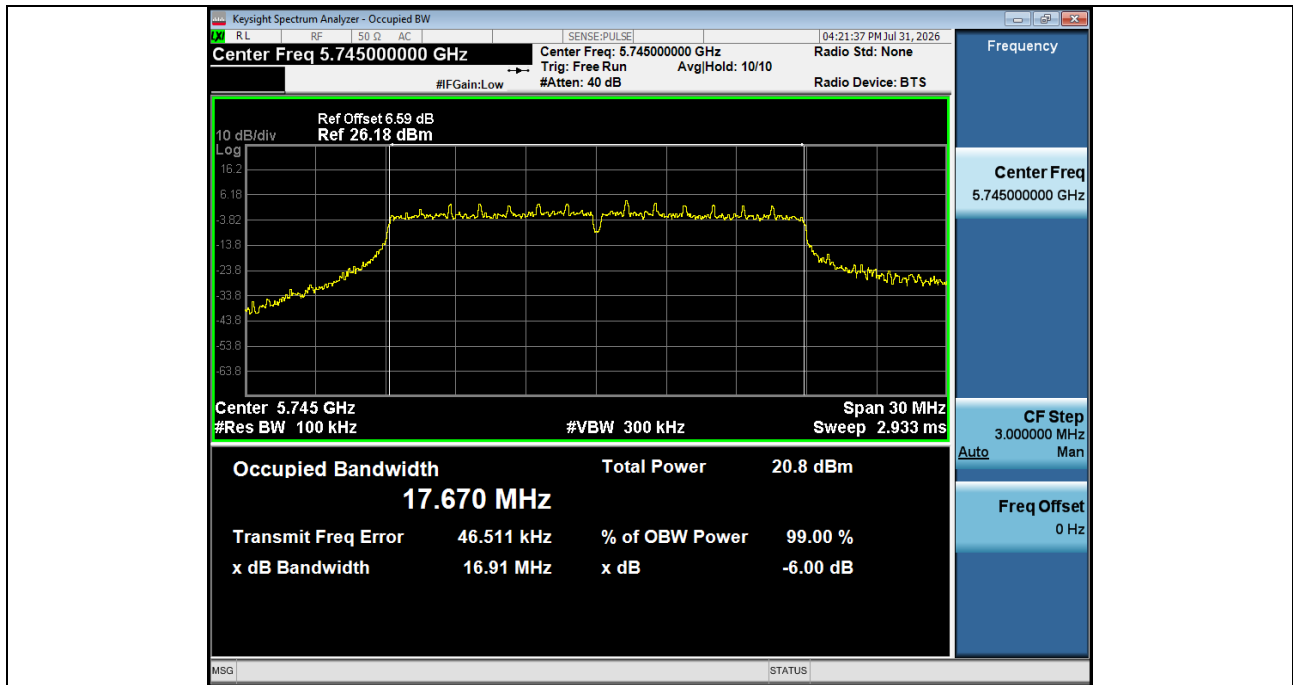
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.342	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.353	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.325	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	16.934	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	17.080	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	17.575	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	16.909	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	16.945	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	17.587	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.128	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.085	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	35.170	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	35.180	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	75.287	0.500	Pass



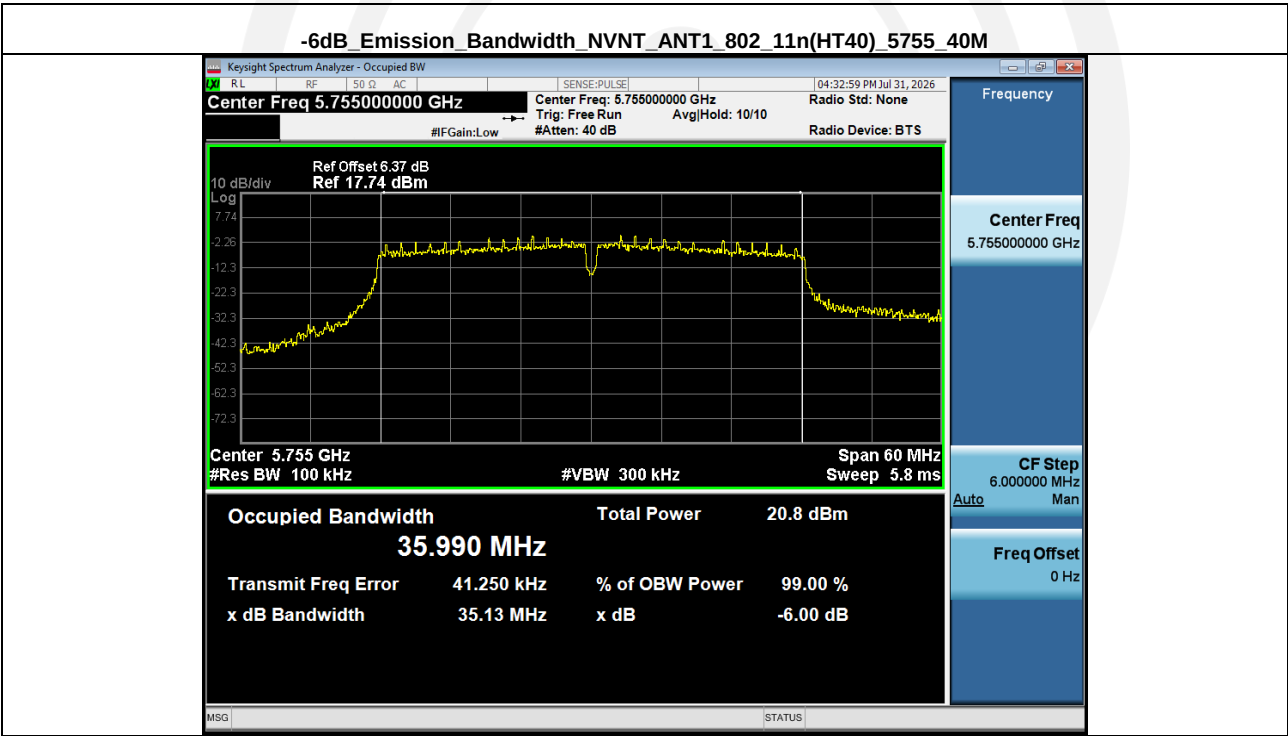
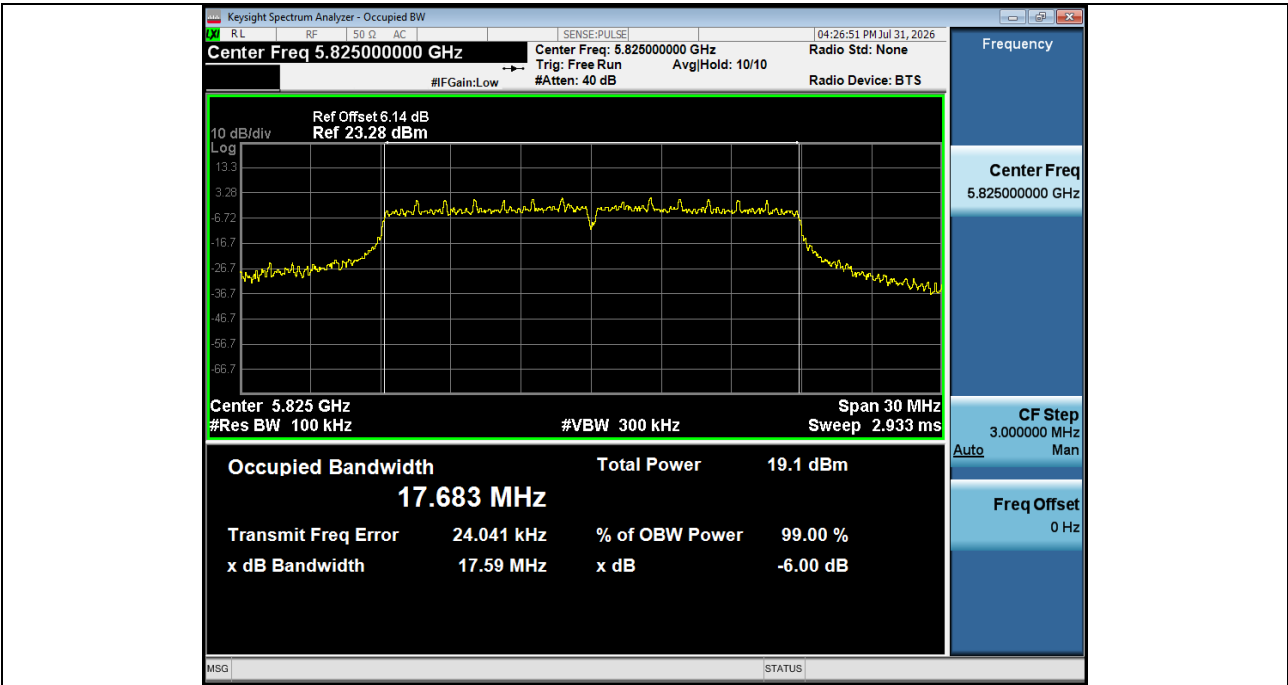
-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5745_20M**-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5785_20M****-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5825_20M**



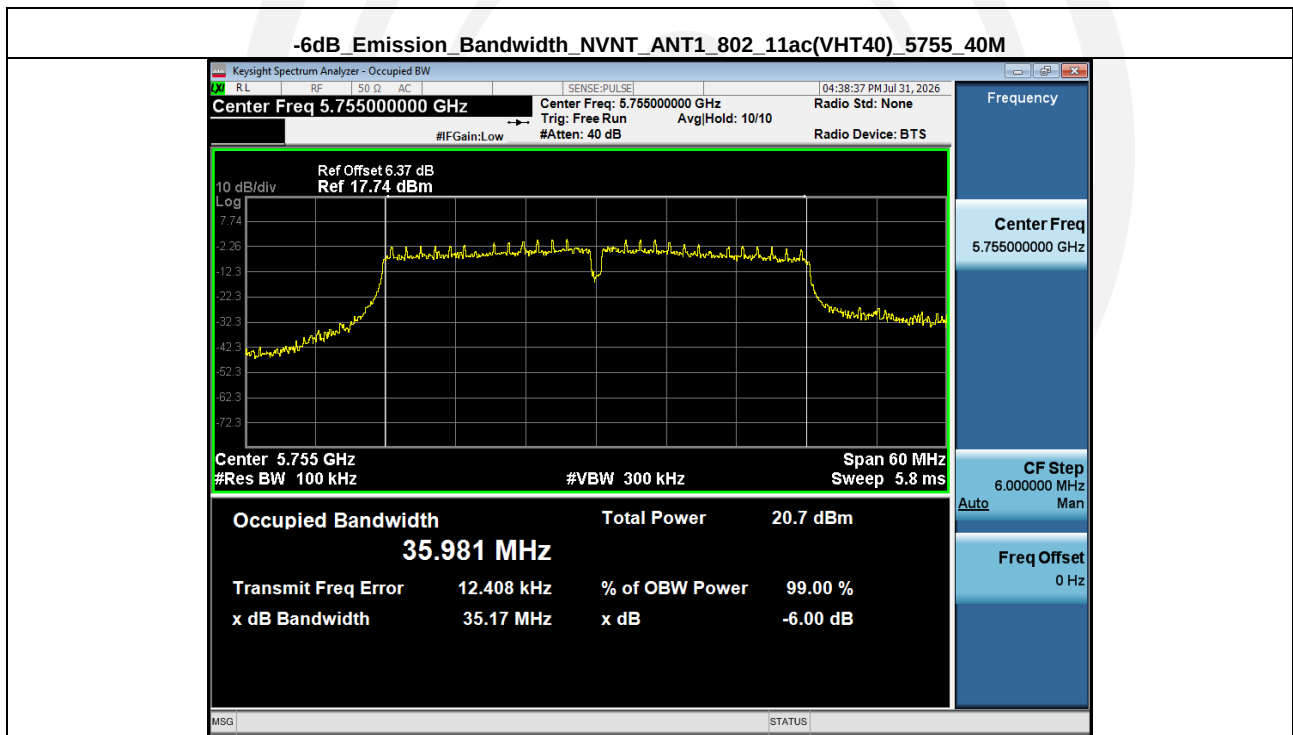
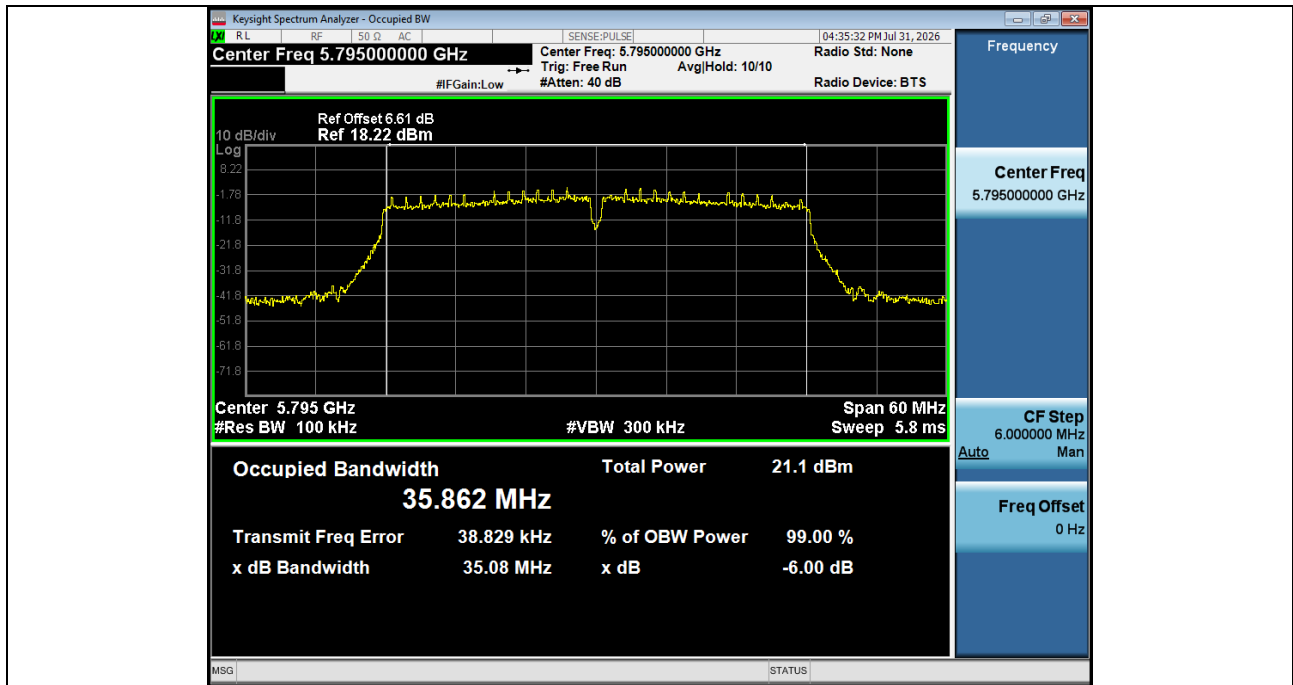




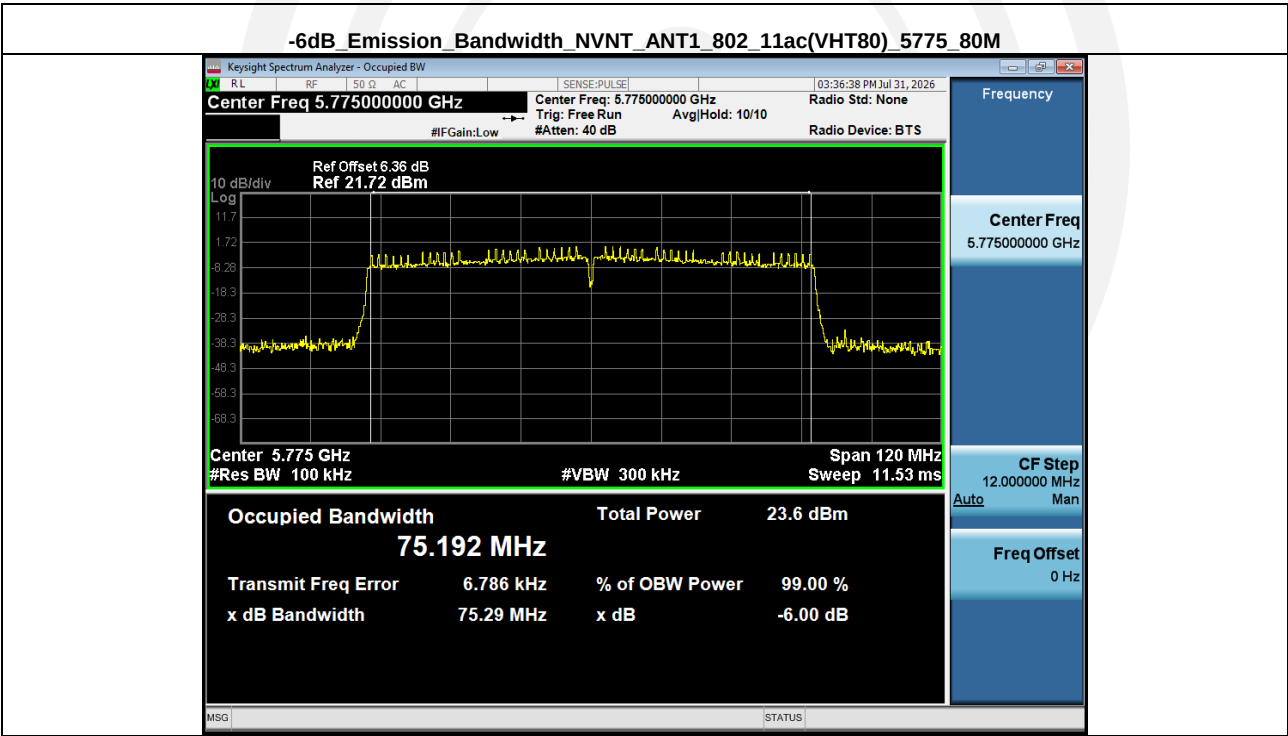
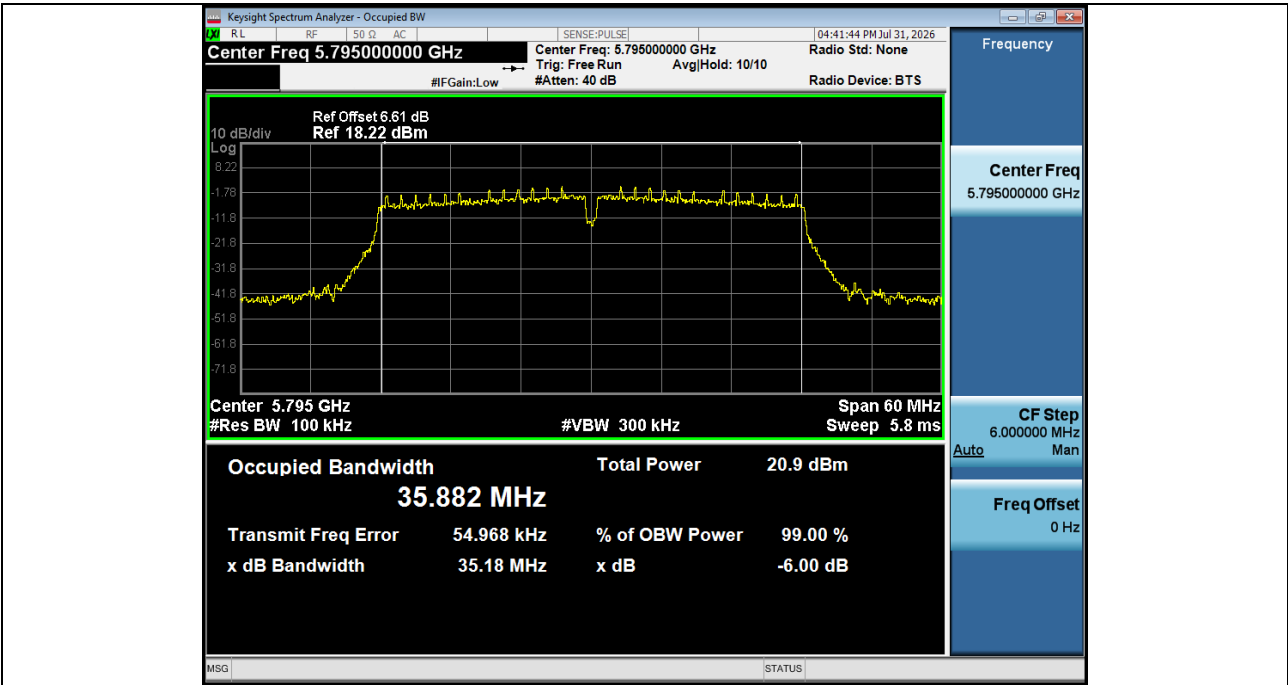
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5825_20M



-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT40)_5795_40M

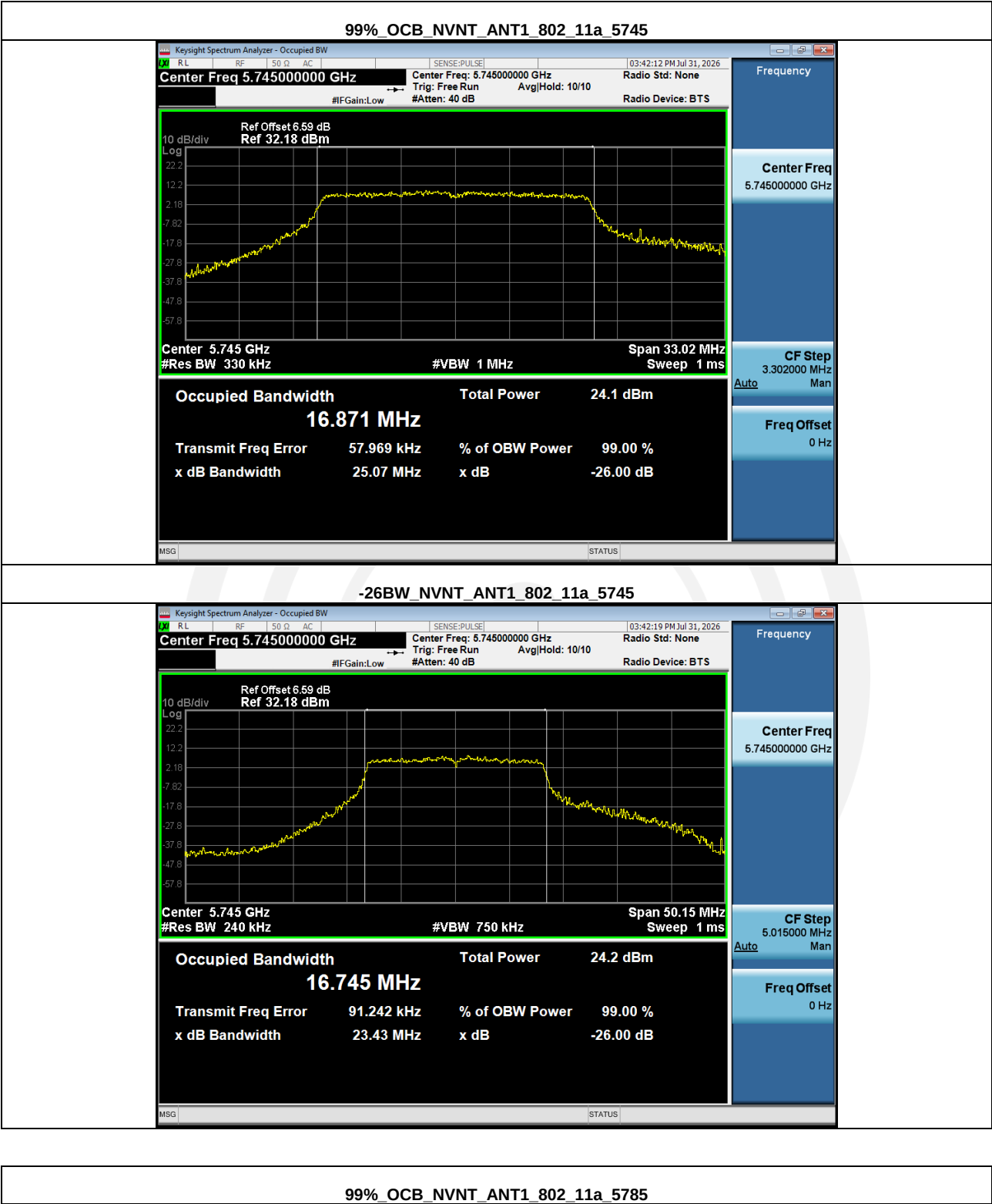


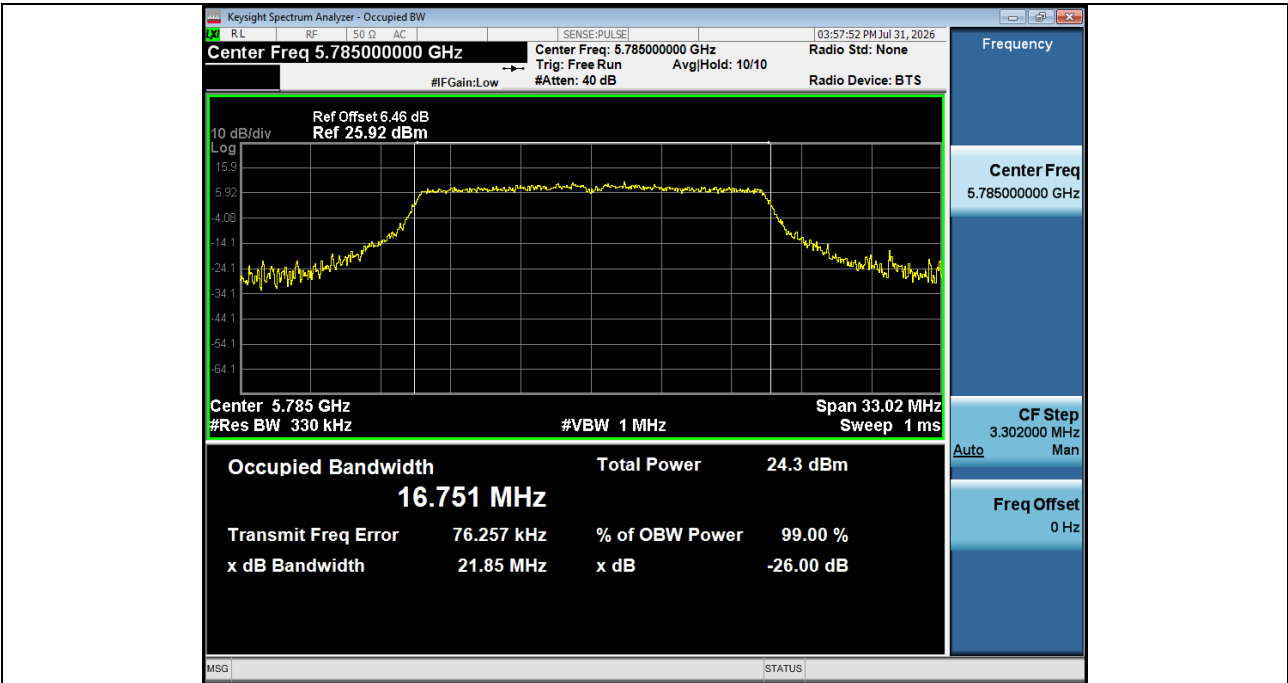
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5795_40M



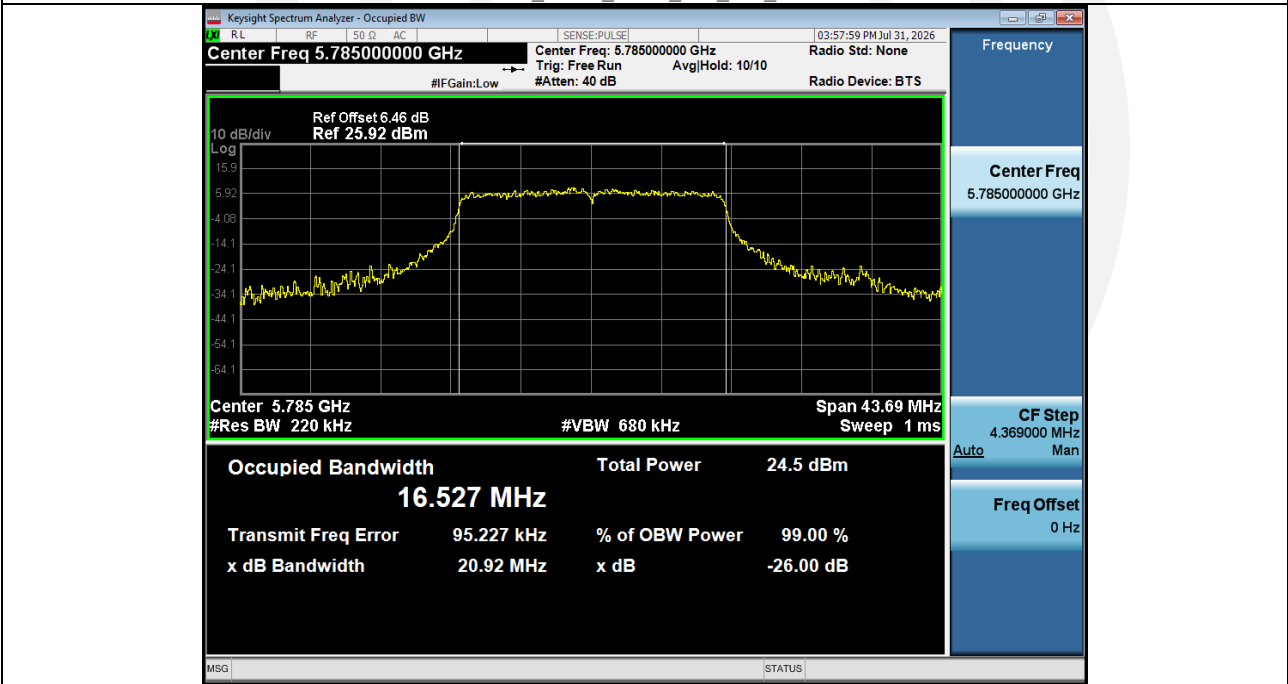
Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	23.43	16.87
NVNT	ANT1	802.11a	5785.00	20.92	16.75
NVNT	ANT1	802.11a	5825.00	25.31	16.93
NVNT	ANT1	802.11n(HT20)	5745.00	25.10	18.09
NVNT	ANT1	802.11n(HT20)	5785.00	21.47	17.92
NVNT	ANT1	802.11n(HT20)	5825.00	25.93	18.10
NVNT	ANT1	802.11ac(VHT20)	5745.00	25.66	18.11
NVNT	ANT1	802.11ac(VHT20)	5785.00	21.28	17.94
NVNT	ANT1	802.11ac(VHT20)	5825.00	26.03	18.15
NVNT	ANT1	802.11n(HT40)	5755.00	46.98	36.46
NVNT	ANT1	802.11n(HT40)	5795.00	40.19	36.24
NVNT	ANT1	802.11ac(VHT40)	5755.00	49.84	36.52
NVNT	ANT1	802.11ac(VHT40)	5795.00	40.36	36.22
NVNT	ANT1	802.11ac(VHT80)	5775.00	86.22	75.37







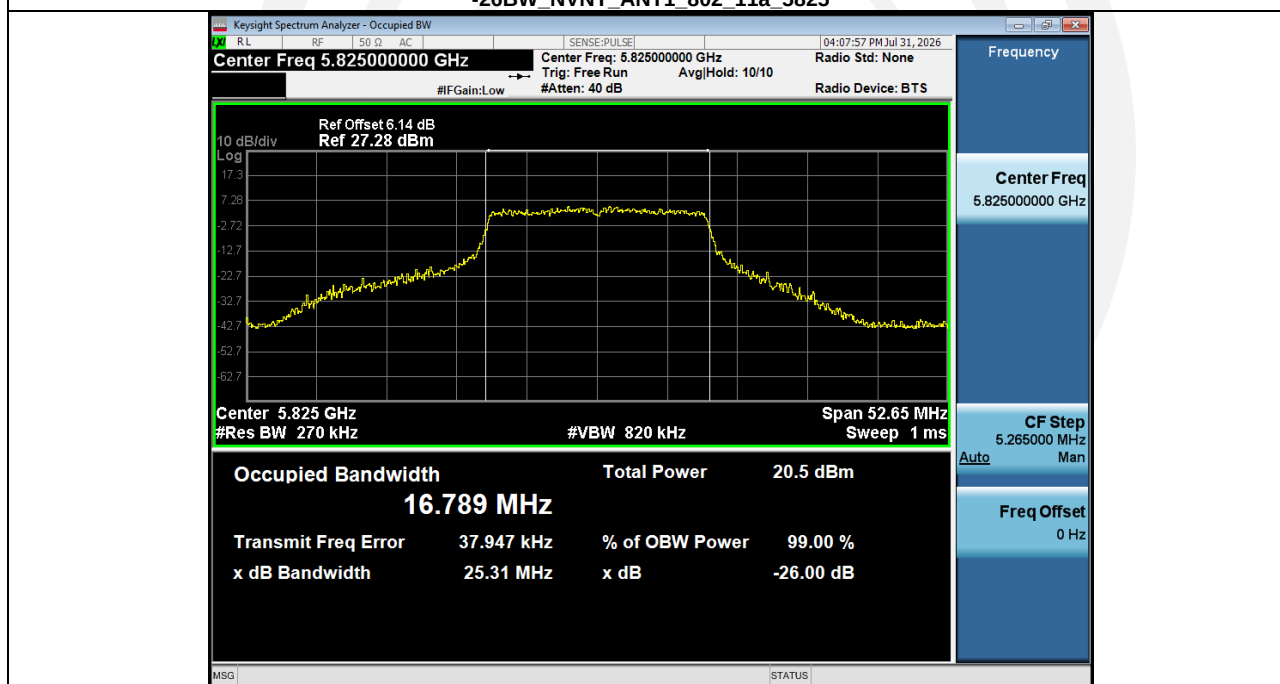
-26BW_NVNT_ANT1_802_11a_5785



99%_OCB_NVNT_ANT1_802_11a_5825



-26BW NVNT ANT1 802 11a 5825



99%_OCB_NVNT_ANT1_802_11n(HT20)_5745