



FCC TEST REPORT

FCC ID: 2A9JS-NR00

On Behalf of

Halo Technologies Europe Ltd

NANO Receiver

Model No.: NR-00

Prepared for : Halo Technologies Europe Ltd
Address : Unit 11a Weavers Business Park, Linfield Road Belfast, United Kingdom

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 : psi2605031-C01-R09
Date of Receipt : May 11, 2026
Date of Test : May 20, 2026-May 28, 2026
Date of Report : May 29, 2026
Version Number : V0

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TEST REPORT DECLARATION

Applicant : Halo Technologies Europe Ltd
Address : Unit 11a Weavers Business Park, Linfield Road Belfast, United Kingdom
Manufacturer : Halo Technologies Europe Ltd
Address : Unit 11a Weavers Business Park, Linfield Road Belfast, United Kingdom
EUT Description : NANO Receiver
(A) Model No. : NR-00
(B) Trademark : HALOS

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart E

ANSI C63.4:2014, ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024

Test Result: PASS

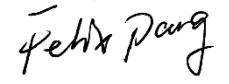
The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart E limits both conducted and radiated emissions. The test results are contained in this test report 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).....:

Felix Pang
Test Engineer



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

Simple Guan
Project Manager



Date of issue.....:

May 29, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	May 29, 2026	Initial released Issue	Felix Pang



1 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203 Section 7.1.4	PASS
AC Power Line Conducted Emission	15.207 Section 7.2.4, 15.407(b)(9)	PASS
Occupied bandwidth	15.407(a)(12), 15.407(e)	PASS
Duty Cycle	15.407(a)(1)(iv)-(B1), (a)(2)-(B2/3), (a)(3)(i)-(B4)	PASS
Maximum Conducted Output Power	15.407(a)(1)(iv)-(B1), (a)(2)-(B2/3), (a)(3)(i)-(B4)	PASS
Power Spectral Density	15.407(a)(1)(iv)-(B1), (a)(2)-(B2/3), (a)(3)(i)-(B4)	PASS
Radiated Emission	15.205, 15.209, 15.407(b)(1) - (B1), (2) -(B2), (3) - (B3), (4) -(B4), (9), (10)	PASS
Band Edge	15.205, 15.209, 15.407(b)(1) - (B1), (2) -(B2), (3) - (B3), (4) -(B4), (9), (10)	PASS
Frequency Stability	15.407(g)	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
5. All tests are according to ANSI C63.10-2020.

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 : NANO Receiver
Model : NR-00
Diff : N/A
Test Voltage : DC 5V from Type-C input

Radio Technology : 5G WIFI

Operation frequency : 802.11a/802.11ac20/802.11n(HT20): 5180-5240MHz, 5745-5845MHz
802.11ac40/802.11n(HT40): 5190-5230MHz, 5755-5795MHz
802.11ac80: 5210MHz, 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 : External antenna, Maximum Gain is 1.91dBi.

PMN : N/A

HVIN : N/A

Software version : V1.0.2-2025110718

Hardware version/FVIN : V10

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

2.2 Test mode

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Operation frequency: 5150 MHz – 5250 MHz 802.11b/g/n-HT20/ac-VHT20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
36	5180	40	5200	48	5240
802.11n-HT40/ac-VHT40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
38	5190	/	/	46	5230
802.11ac-VHT80					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
/	/	42	5210	/	/

Operation frequency: 5725 MHz – 5850 MHz 802.11b/g/n-HT20/ac-VHT20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
149	5745	157	5785	165	5825
802.11n-HT40/ac-VHT40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
151	5755	/	/	159	5795
802.11ac-VHT80					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
/	/	155	5775	/	/

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 Accessories of Device (EUT)

Accessories 1 : Type-C cable (1m)

Manufacturer : N/A

Model : N/A

2.5 Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number
1	Notebook PC	Dell	Latitude 3490	N/A
2	USB cable	UGREEN	1m	N/A

2.6 Test Software Description

Software name	CMD.exe	
Mode	The client 's preset testing software is used to control the operation of EUT in continuous transmission mode and select the testing channel, wireless mode:	
Power level setup by client		
Mode	Channel	Soft Set
Tx Mode	Lowest	The TX level is set to the default value.
	Middle	The TX level is set to the default value.
	Highest	The TX level is set to the default value.

2.7 Test Conditions

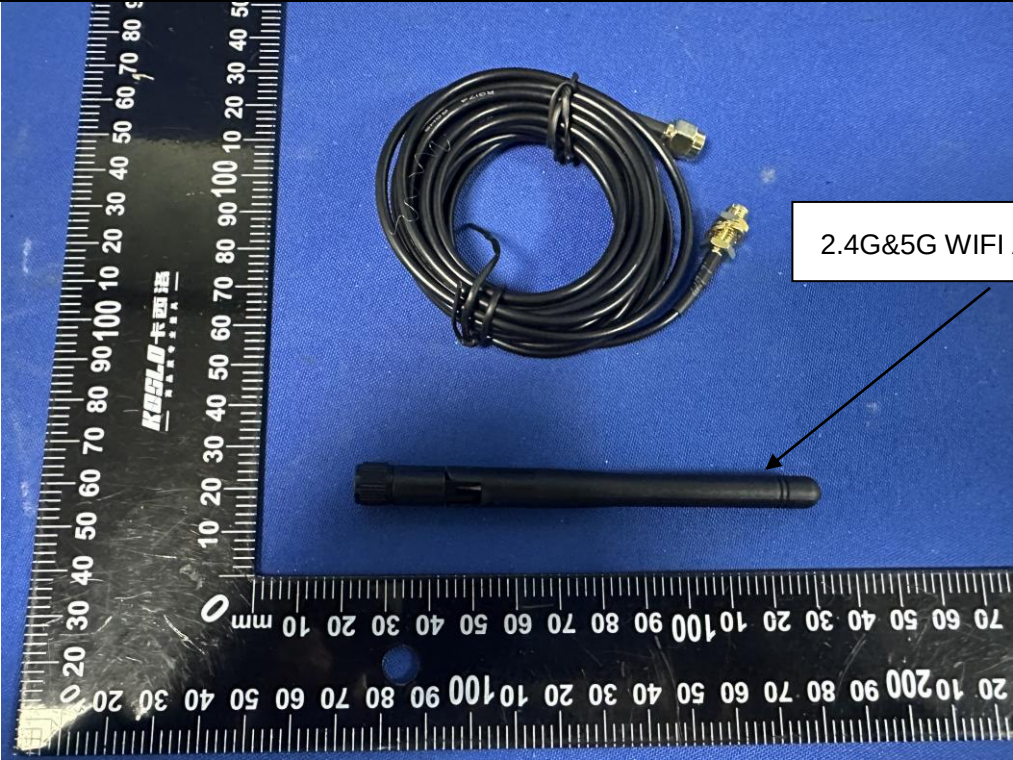
Items	Required	Actual
Temperature range:	15-35℃	26℃
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

3 Test Instruments list

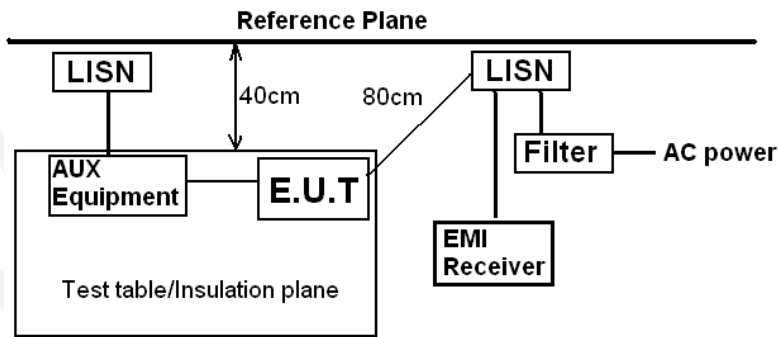
Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2025.12.18	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2025.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV 216	102282	/	2025.12.18	1 Year
4.	L.I.S.N.#2	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	#01/#02	/	2025.12.18	1 Year
18.	Cable	SKET	Cable-RE-2	#01/#03/#0 4	/	2025.12.18	1 Year
19.	Cable	SKET	Cable-RE-3	#05/#06/#0 7	/	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:	
External antenna, Maximum Gain is 1.91dBi for 5180-5240MHz, 5745-5845MHz.	
	

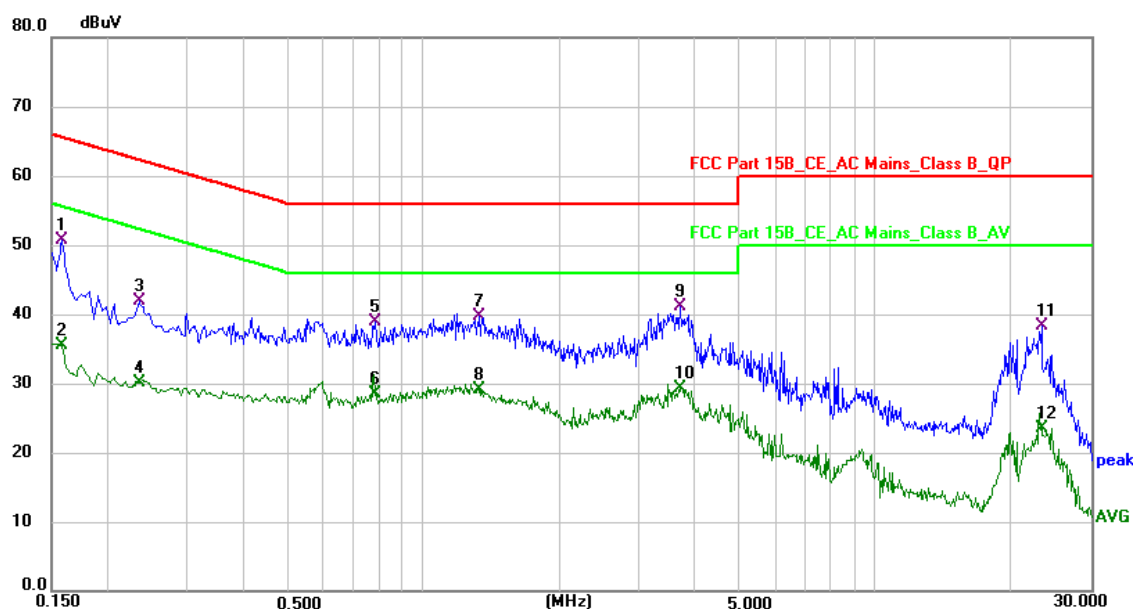
4.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207, RSS-Gen §8.8		
Test Method:	ANSI C63.10:2020		
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 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:	Pass		

Measurement Data

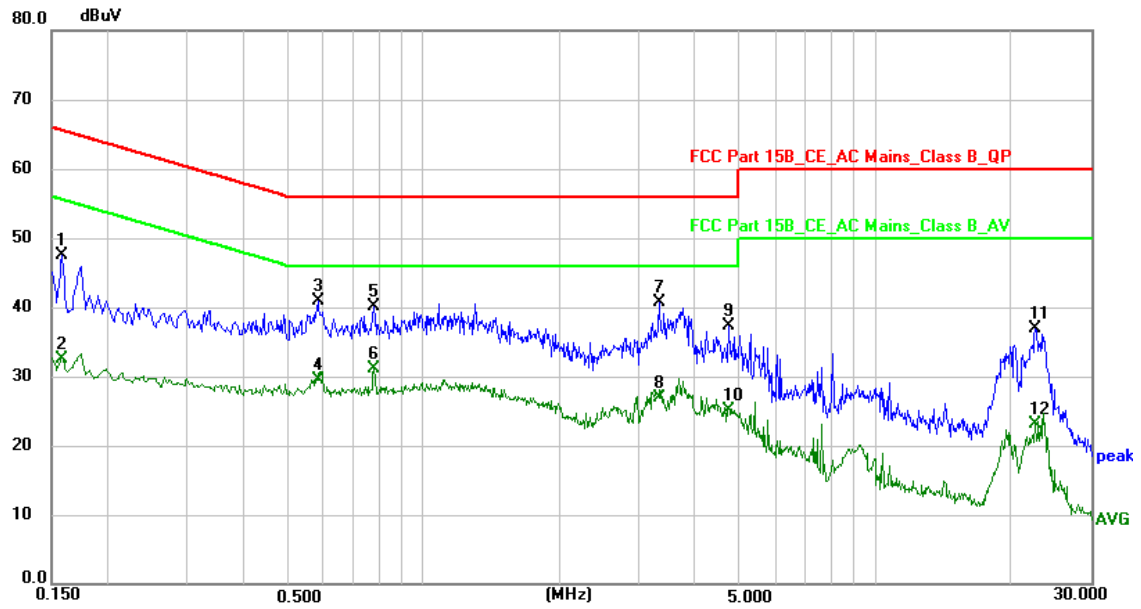
An initial pre-scan was performed on the line and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Line:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1 *	0.1580	41.08	9.65	50.73	65.57	-14.84	QP	P
2	0.1580	25.94	9.65	35.59	55.57	-19.98	AVG	P
3	0.2340	32.48	9.40	41.88	62.31	-20.43	QP	P
4	0.2340	20.79	9.40	30.19	52.31	-22.12	AVG	P
5	0.7820	29.32	9.51	38.83	56.00	-17.17	QP	P
6	0.7820	18.95	9.51	28.46	46.00	-17.54	AVG	P
7	1.3300	29.97	9.83	39.80	56.00	-16.20	QP	P
8	1.3300	19.28	9.83	29.11	46.00	-16.89	AVG	P
9	3.6940	31.23	9.83	41.06	56.00	-14.94	QP	P
10	3.6940	19.51	9.83	29.34	46.00	-16.66	AVG	P
11	23.3500	28.76	9.60	38.36	60.00	-21.64	QP	P
12	23.3500	13.88	9.60	23.48	50.00	-26.52	AVG	P

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

Neutral:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1580	37.95	9.57	47.52	65.57	-18.05	QP	P
2	0.1580	23.01	9.57	32.58	55.57	-22.99	AVG	P
3	0.5820	31.13	9.78	40.91	56.00	-15.09	QP	P
4	0.5820	19.73	9.78	29.51	46.00	-16.49	AVG	P
5	0.7780	30.36	9.82	40.18	56.00	-15.82	QP	P
6 *	0.7780	21.33	9.82	31.15	46.00	-14.85	AVG	P
7	3.3260	31.25	9.45	40.70	56.00	-15.30	QP	P
8	3.3260	17.47	9.45	26.92	46.00	-19.08	AVG	P
9	4.7460	27.73	9.66	37.39	56.00	-18.61	QP	P
10	4.7460	15.54	9.66	25.20	46.00	-20.80	AVG	P
11	22.6220	27.42	9.56	36.98	60.00	-23.02	QP	P
12	22.6220	13.61	9.56	23.17	50.00	-26.83	AVG	P

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

All modes and channels have been tested and only the A 5180MHz mode with the worst data is listed.

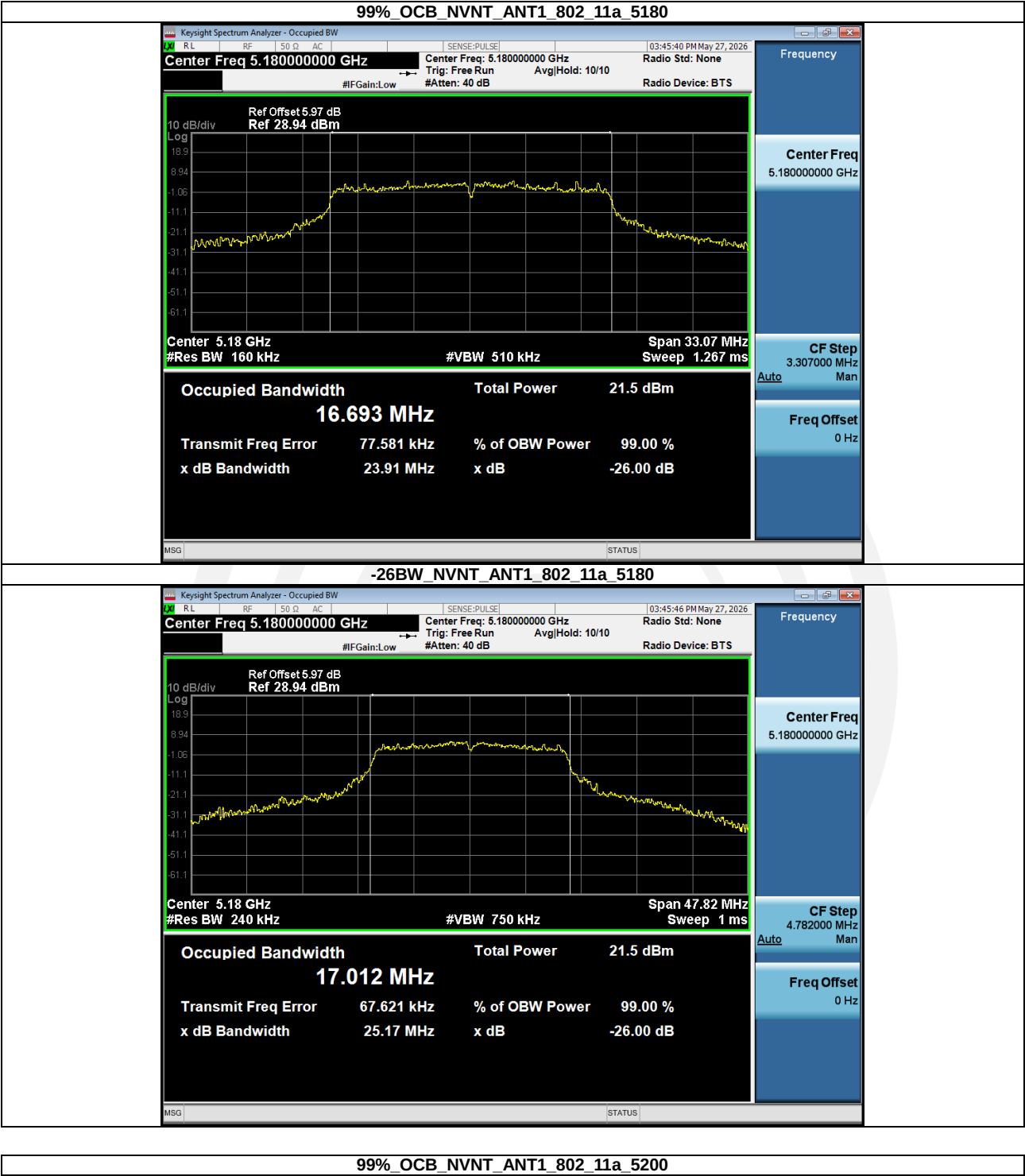
4.3 Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	FCC Part15 E Section 15.407(a), 15.407(e)
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	N/A
Test setup:	 The diagram illustrates the test setup. On the left is a green box labeled 'Spectrum Analyzer' with a blue screen and two small circles representing ports. A black cable connects one of these ports to a yellow box on the right labeled 'EUT' (Equipment Under Test), which also has two small circles representing ports.
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

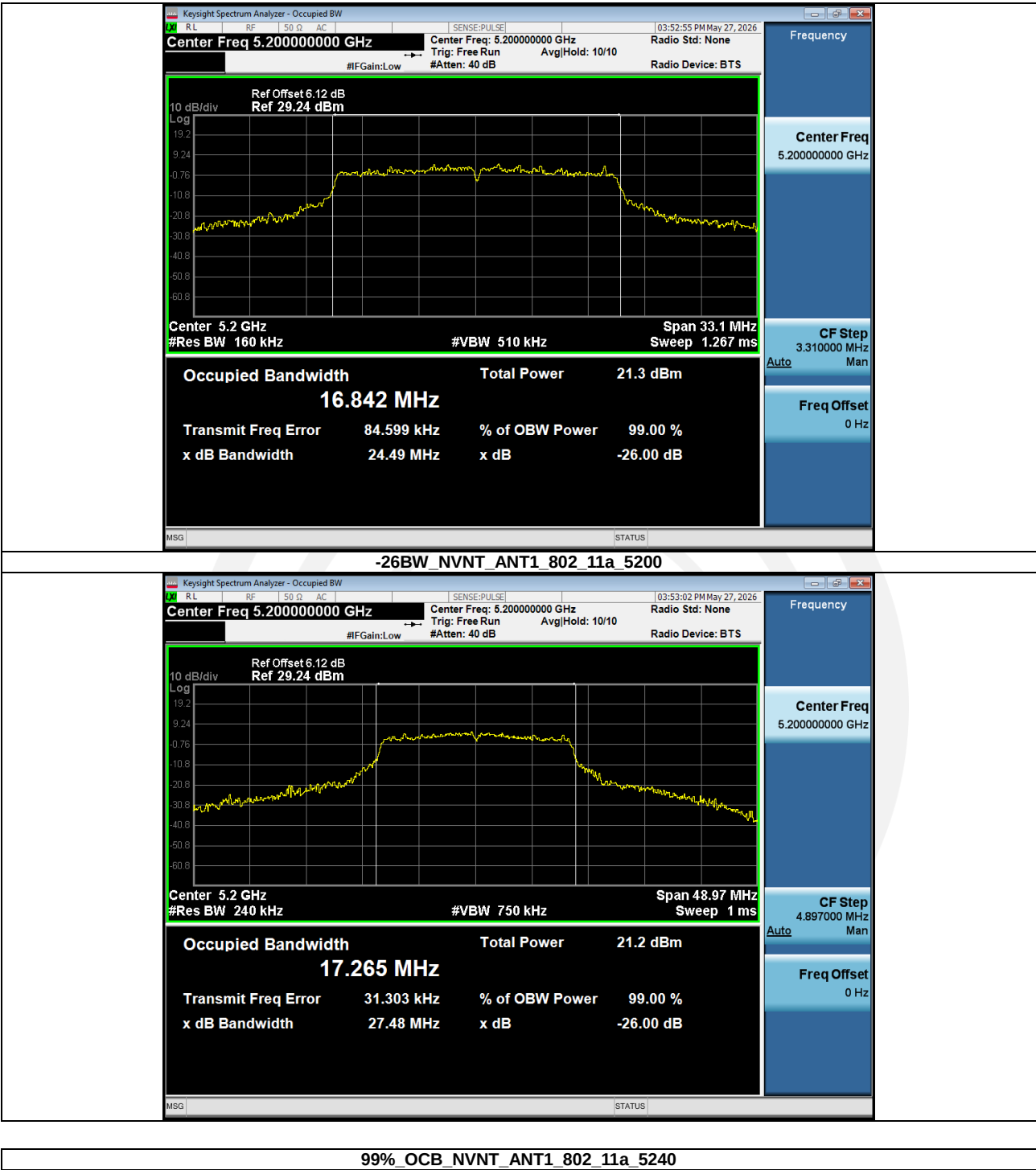
Measurement Data:

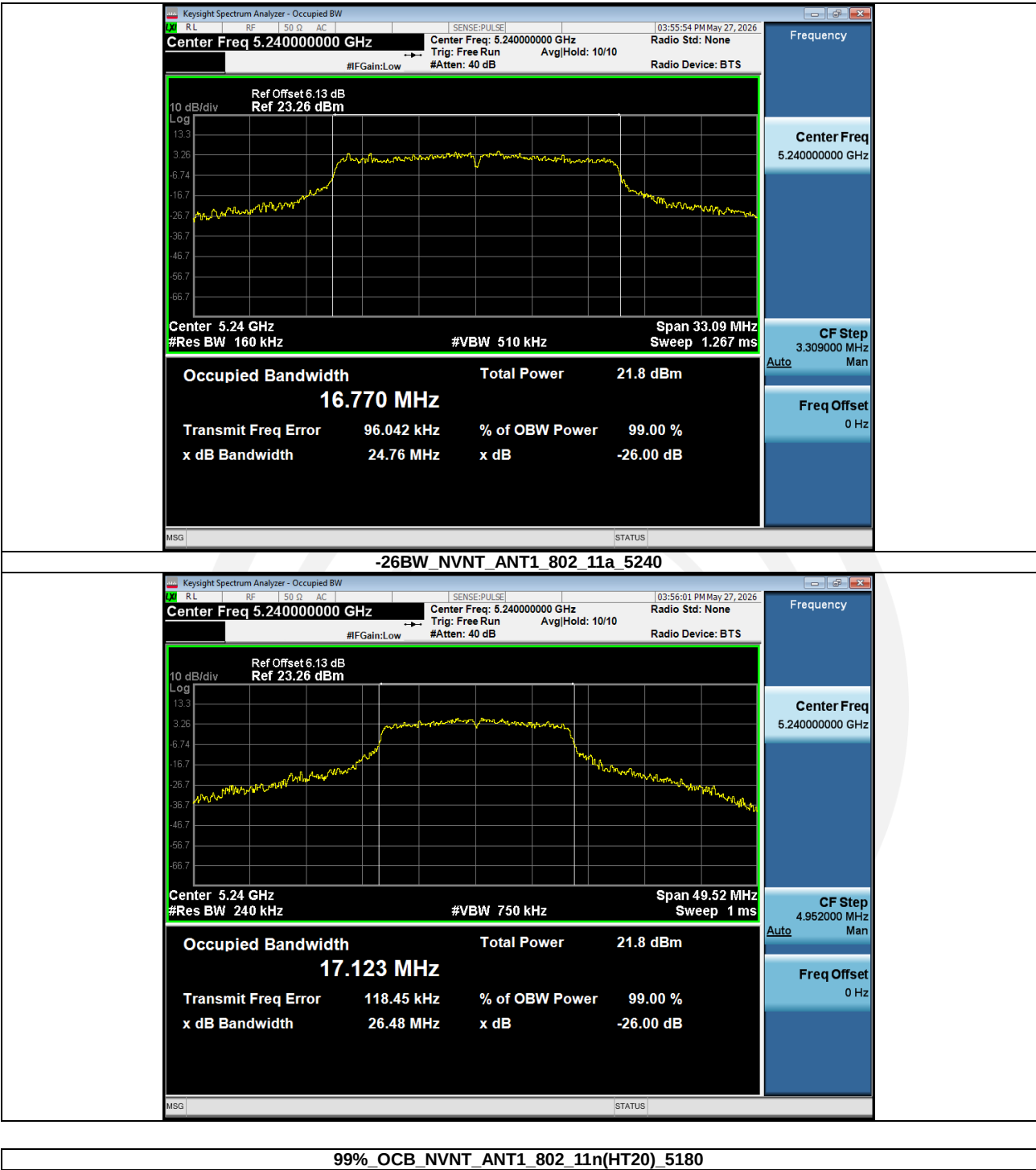
Band 1 (5150-5250 MHz):

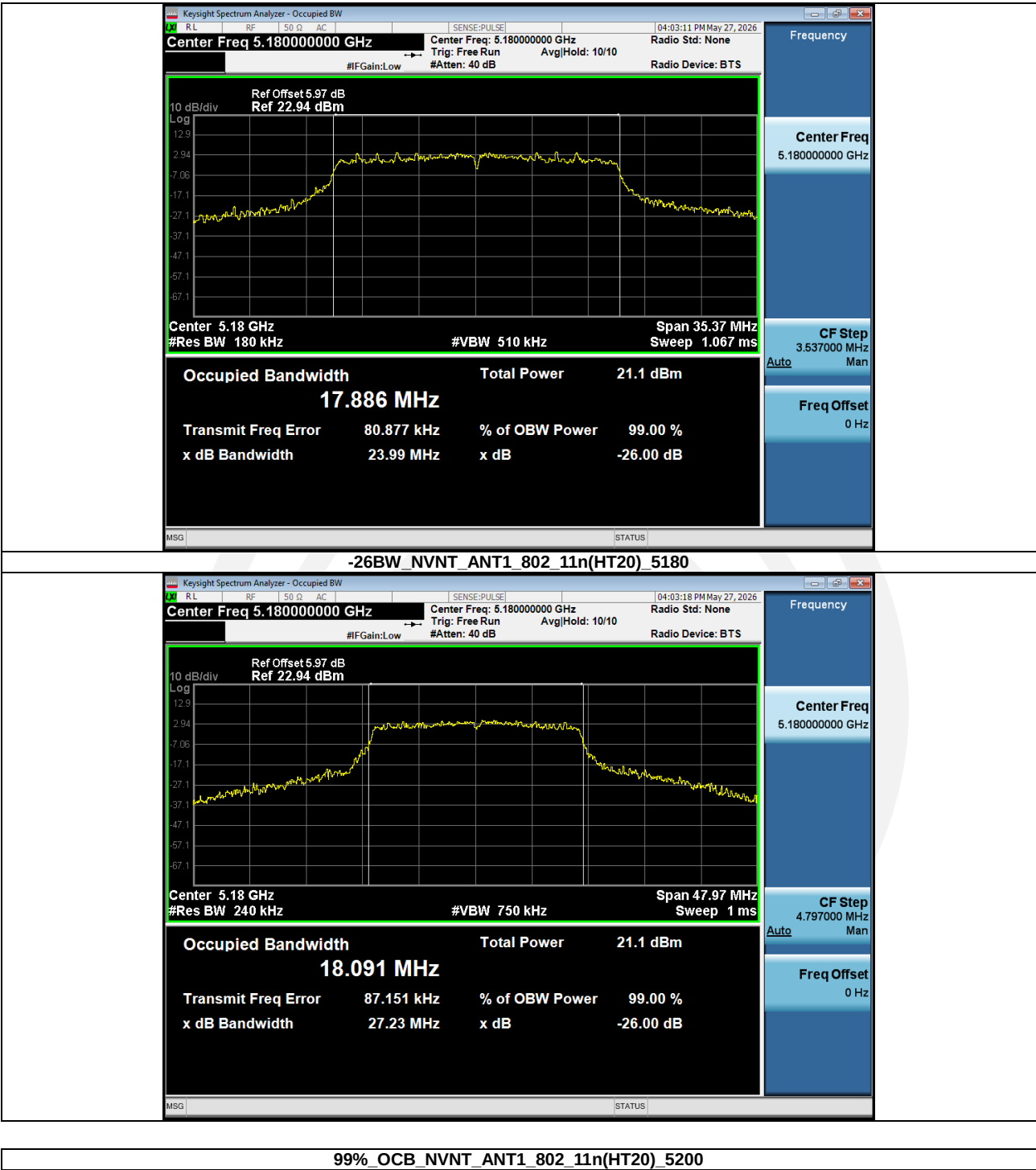
Condition	Antenna	Modulation	Frequency(MHz)	26dB Emission Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	25.17	16.69
NVNT	ANT1	802.11a	5200.00	27.48	16.84
NVNT	ANT1	802.11a	5240.00	26.48	16.77
NVNT	ANT1	802.11n(HT20)	5180.00	27.23	17.89
NVNT	ANT1	802.11n(HT20)	5200.00	28.20	17.95
NVNT	ANT1	802.11n(HT20)	5240.00	26.43	17.92
NVNT	ANT1	802.11ac(VHT20)	5180.00	28.74	17.91
NVNT	ANT1	802.11ac(VHT20)	5200.00	28.85	17.91
NVNT	ANT1	802.11ac(VHT20)	5240.00	27.02	17.83
NVNT	ANT1	802.11n(HT40)	5190.00	74.56	36.47
NVNT	ANT1	802.11n(HT40)	5230.00	75.01	36.52
NVNT	ANT1	802.11ac(VHT40)	5190.00	62.36	36.47
NVNT	ANT1	802.11ac(VHT40)	5230.00	61.72	36.45
NVNT	ANT1	802.11ac(VHT80)	5210.00	112.61	76.18

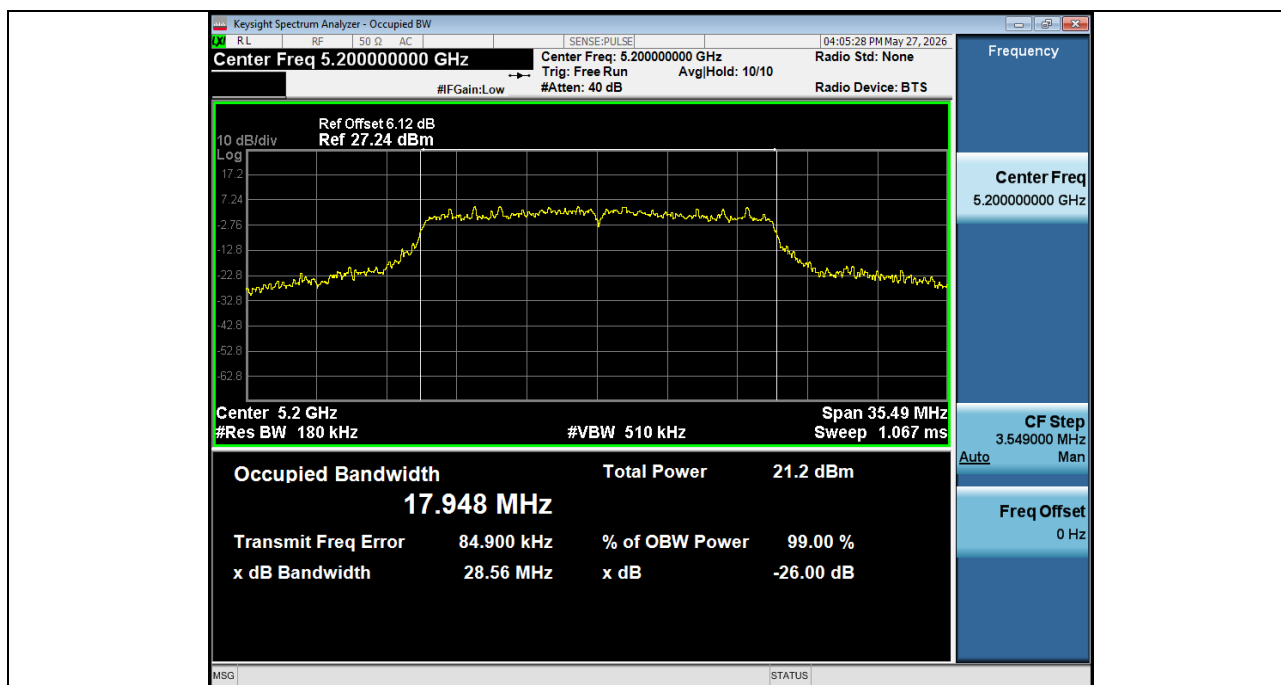


99%_OCB_NVNT_ANT1_802_11a_5200

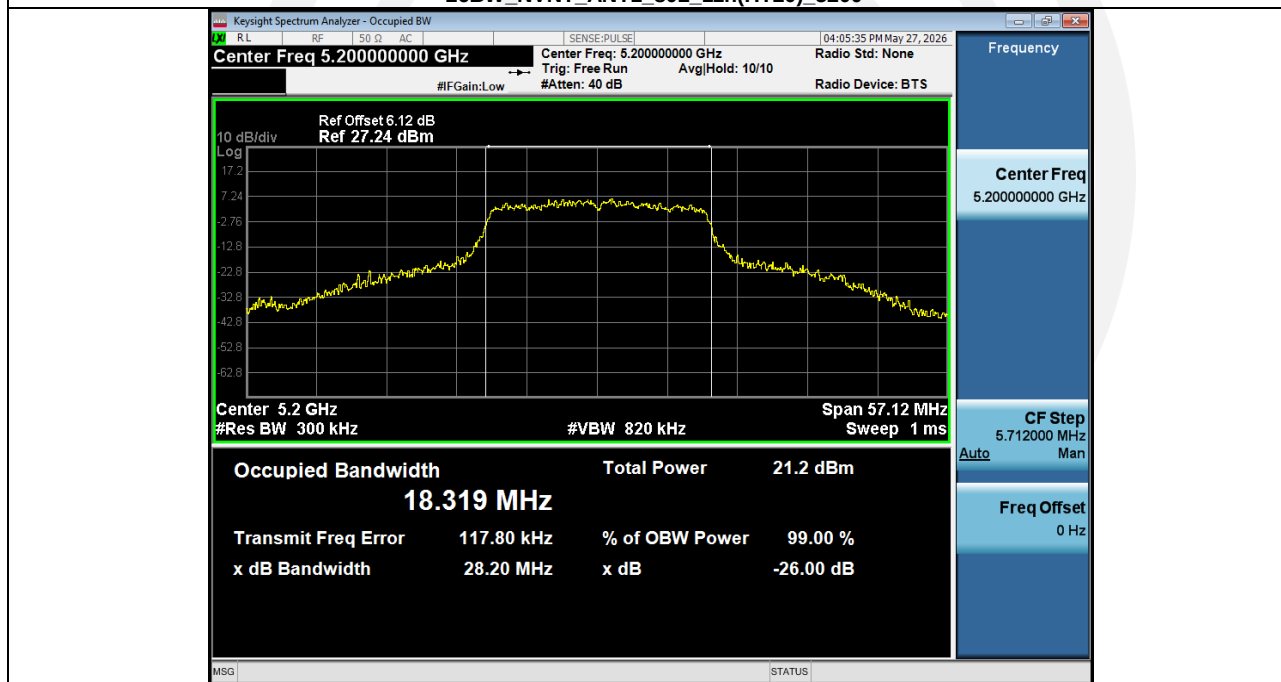




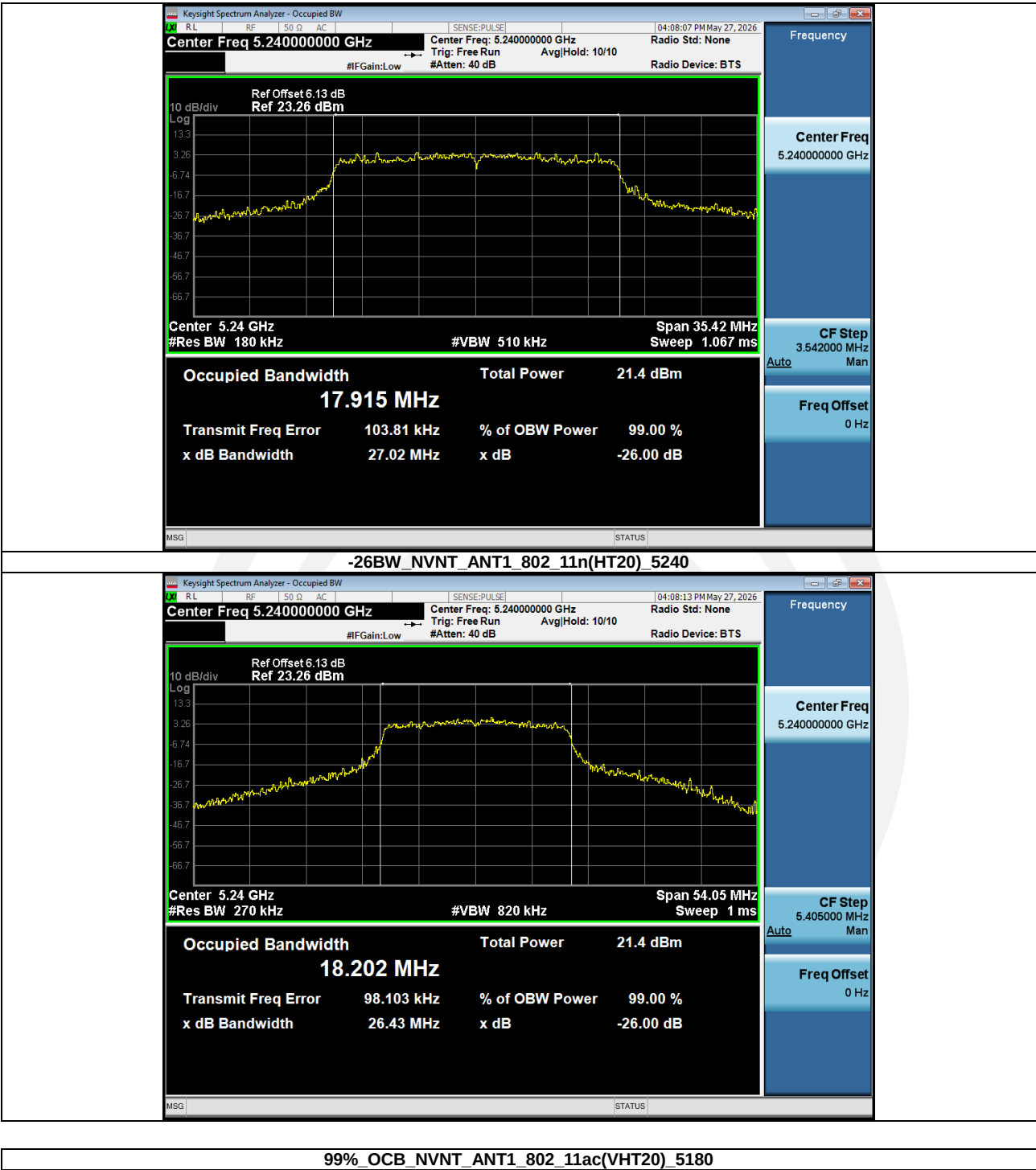


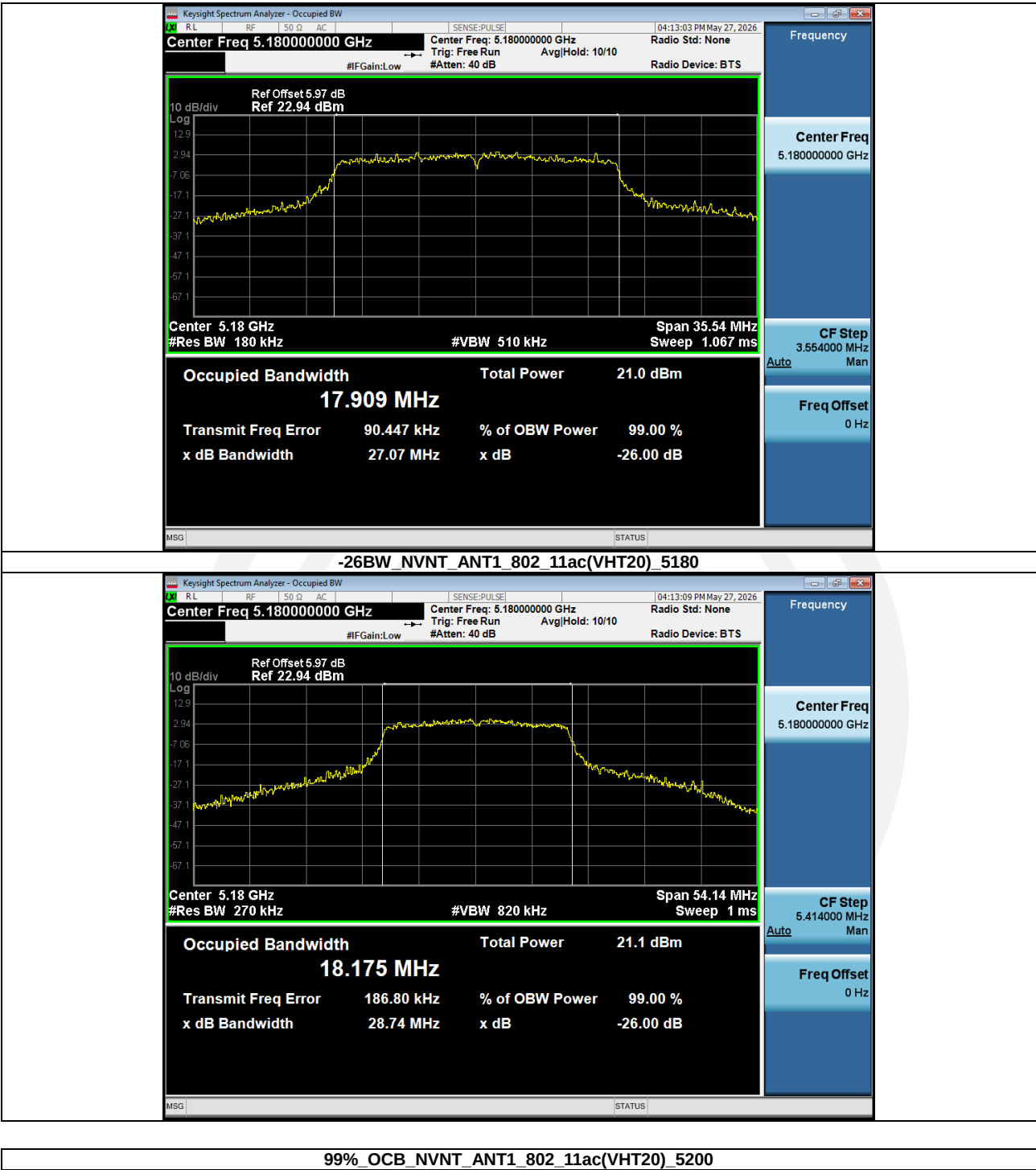


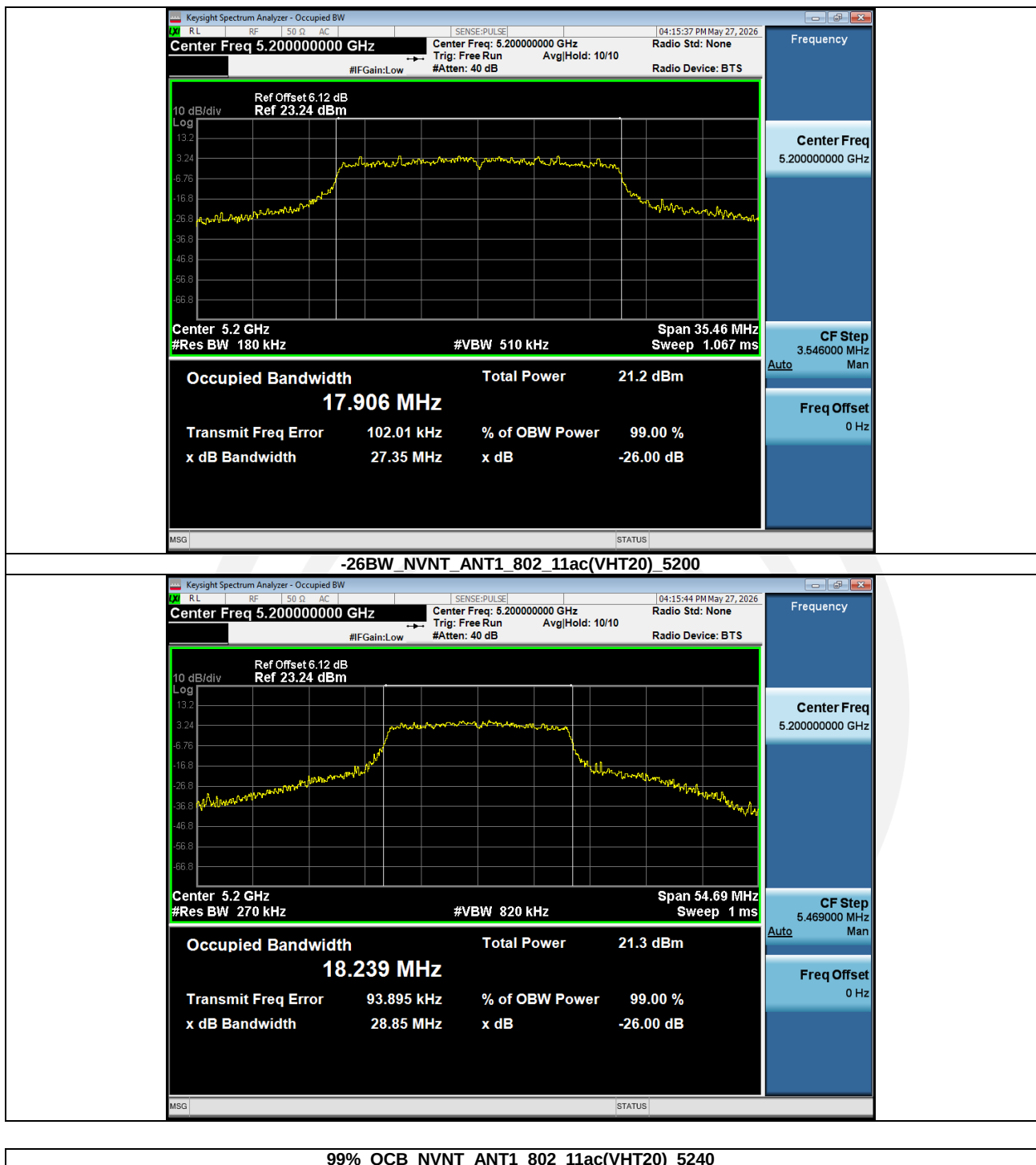
-26BW NVNT ANT1 802 11n(HT20) 5200

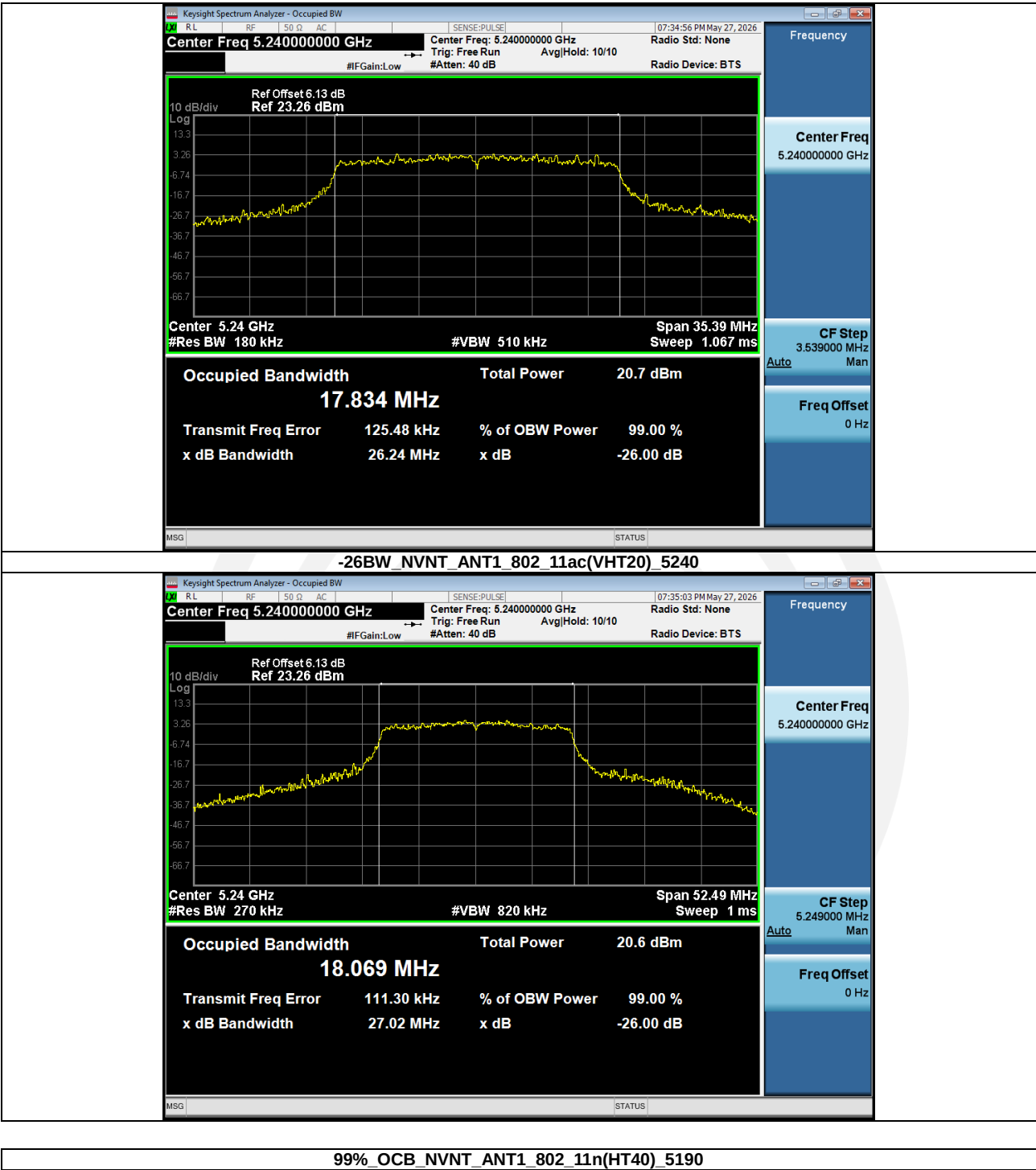


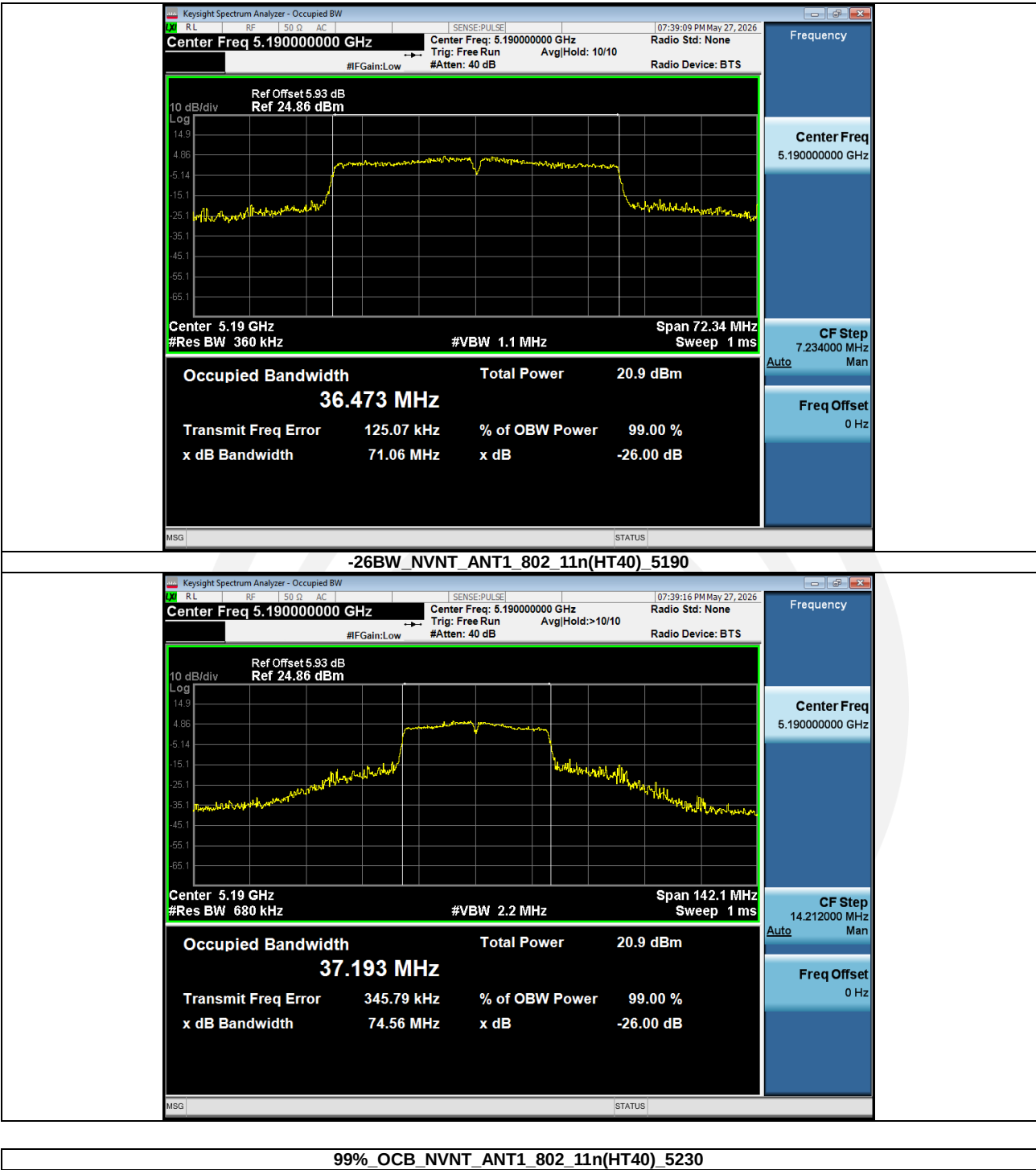
99%_OCB_NVNT_ANT1_802_11n(HT20)_5240

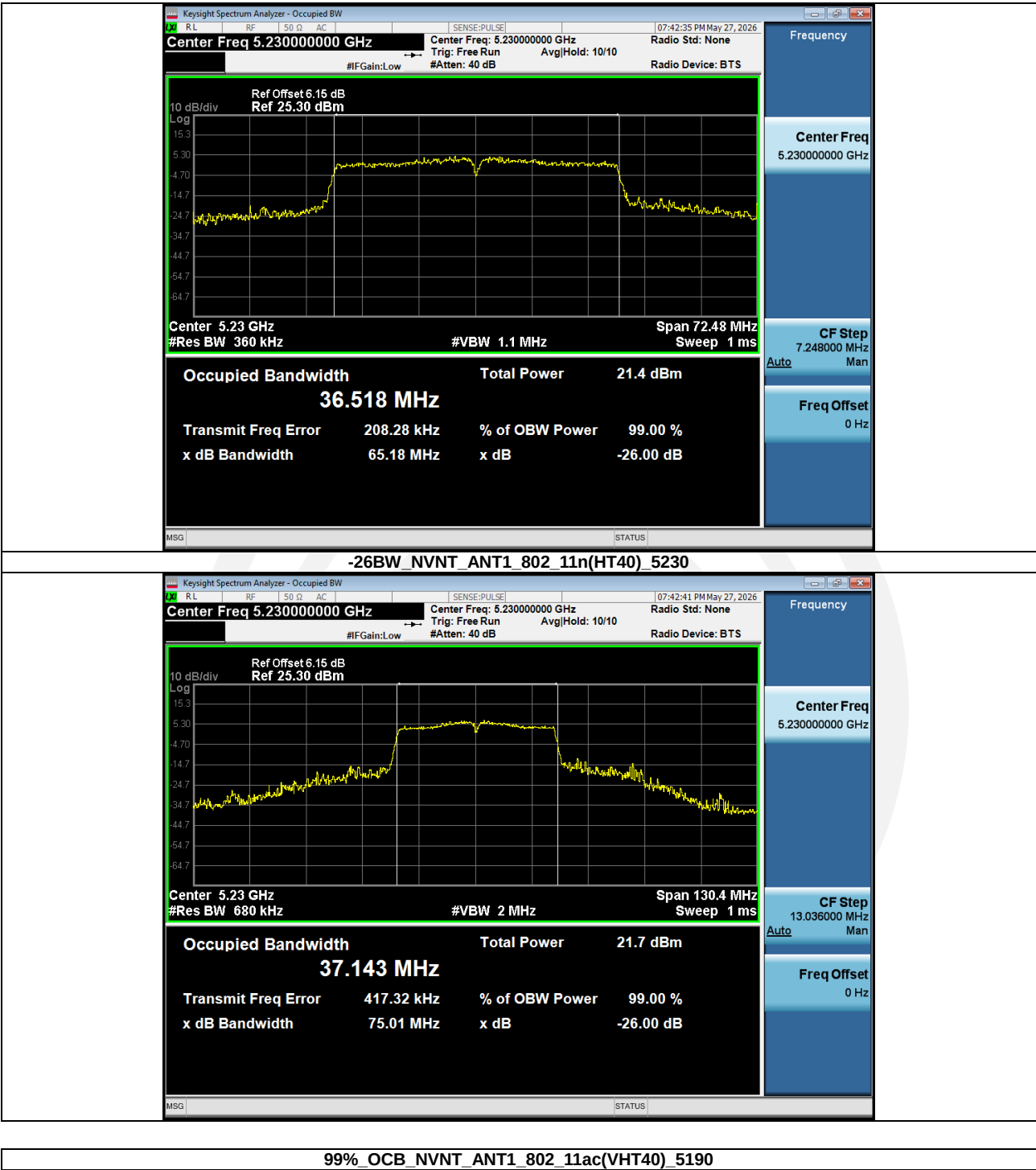












-26BW_NVNT_ANT1_802_11n(HT40)_5230

Keysight Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:PULSE

07:42:41 PM May 27, 2026

Center Freq 5.230000000 GHz

Center Freq: 5.230000000 GHz

Radio Std: None

#FGain:Low

Trig: Free Run

Avg/Hold: 10/10

Radio Device: BTS

Ref Offset 6.15 dB

Ref 25.30 dBm

10 dB/div

Log

15.3

5.30

-4.70

-14.7

-24.7

-34.7

-44.7

-54.7

-64.7

Center 5.23 GHz

#Res BW 680 kHz

#VBW 2 MHz

Span 130.4 MHz

Sweep 1 ms

Occupied Bandwidth

Total Power

21.7 dBm

37.143 MHz

Transmit Freq Error

417.32 kHz

% of OBW Power

99.00 %

x dB Bandwidth

75.01 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.230000000 GHz

CF Step

13.036000 MHz

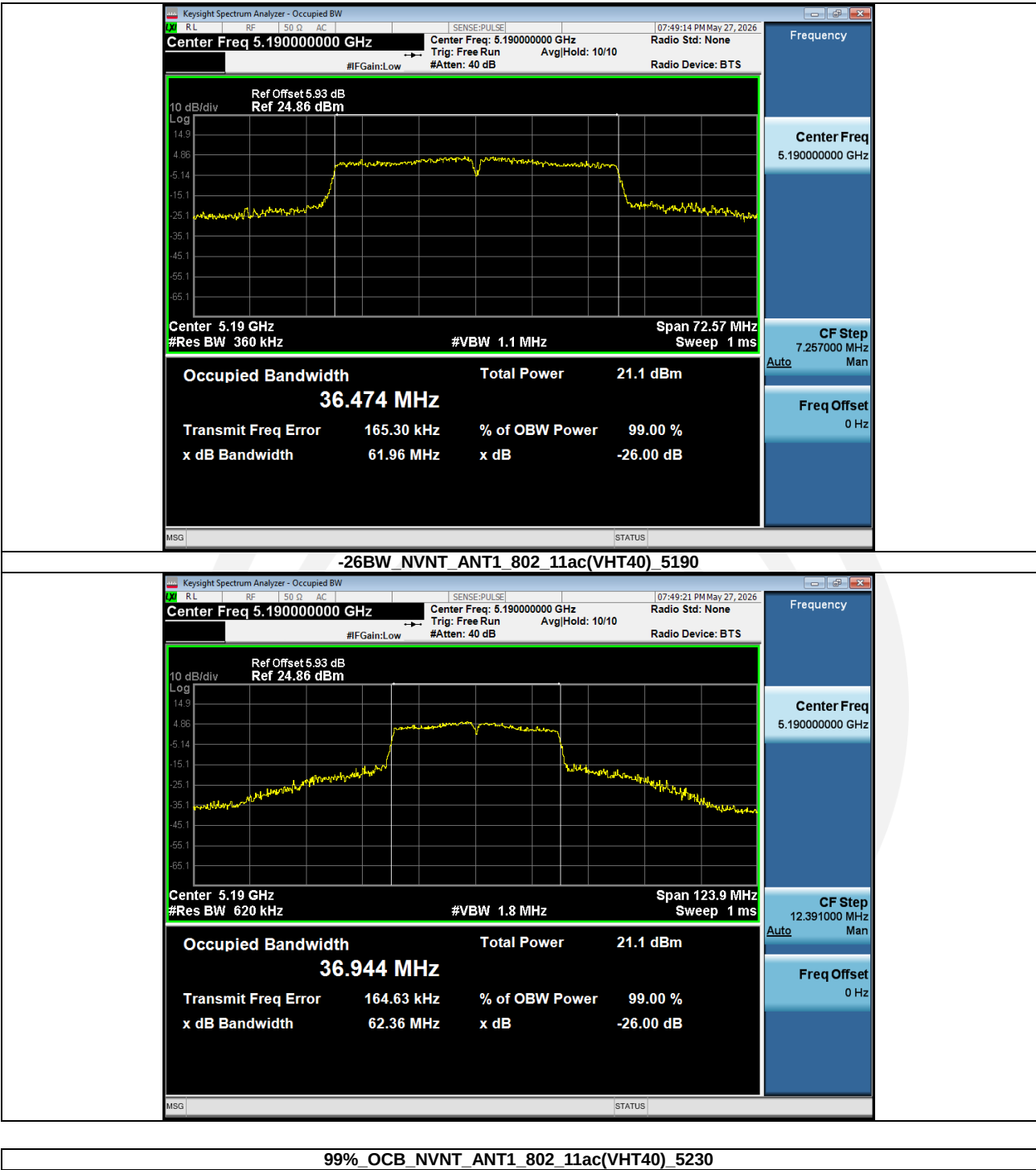
Auto

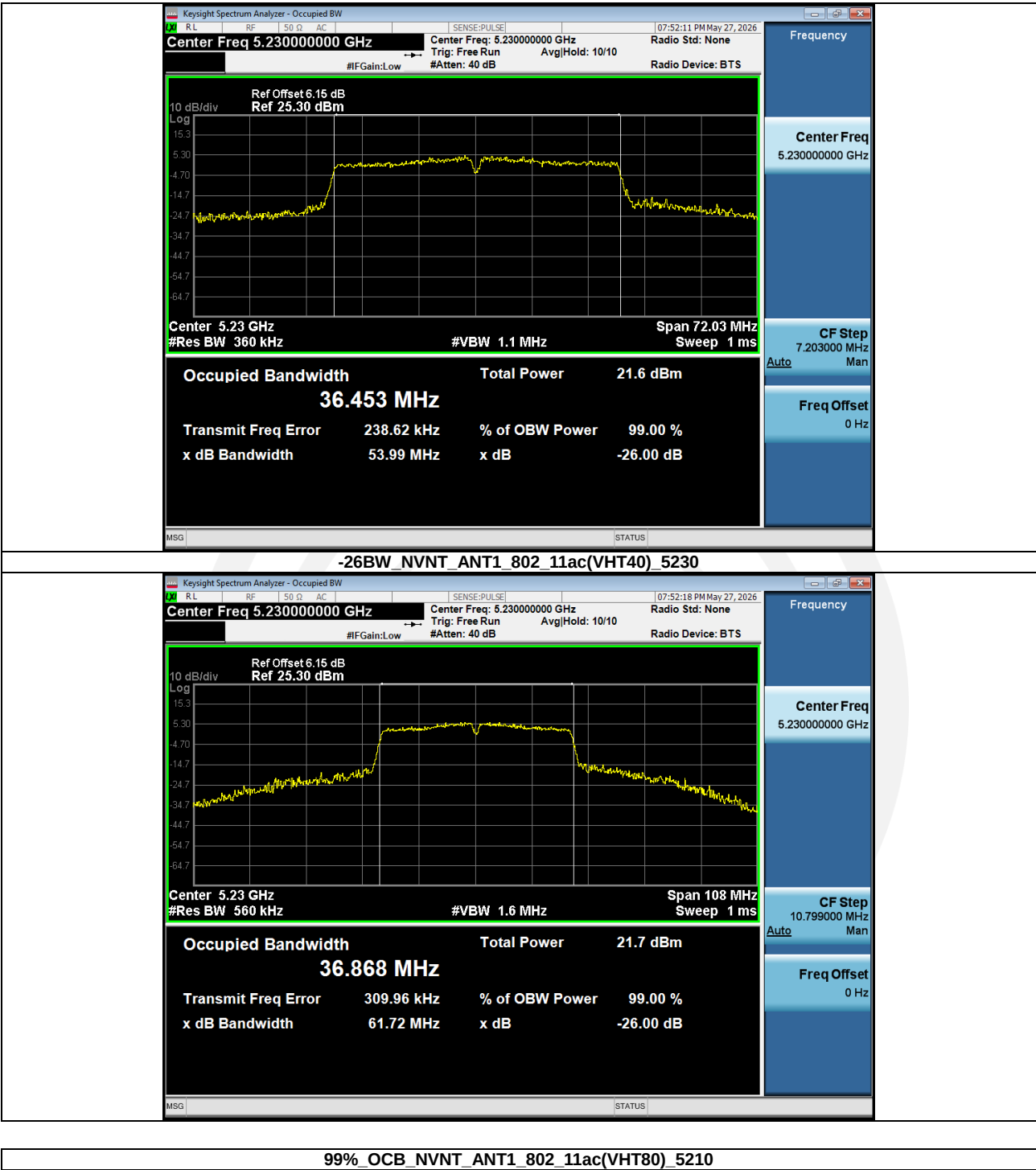
Man

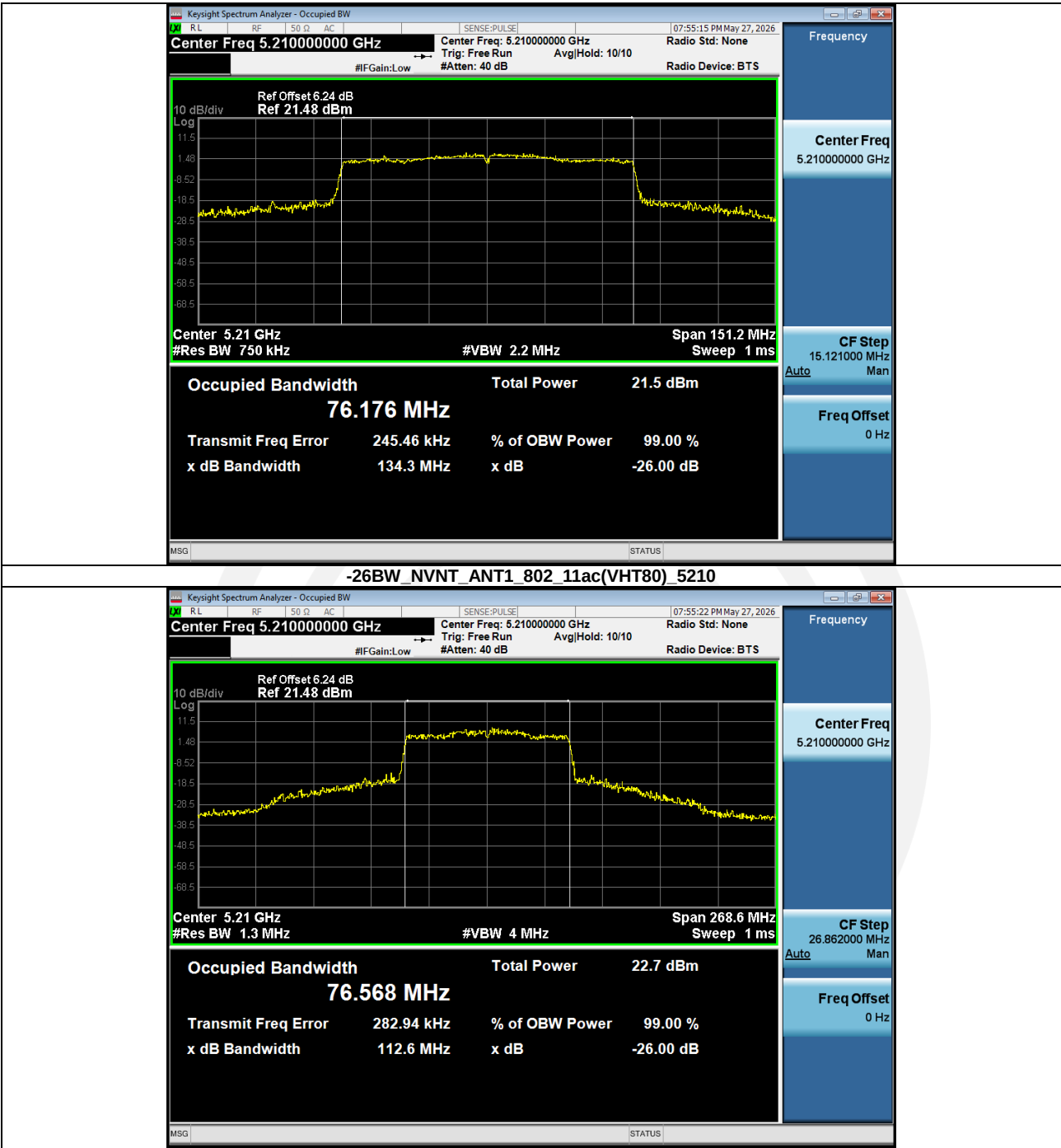
Freq Offset

0 Hz

99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5190

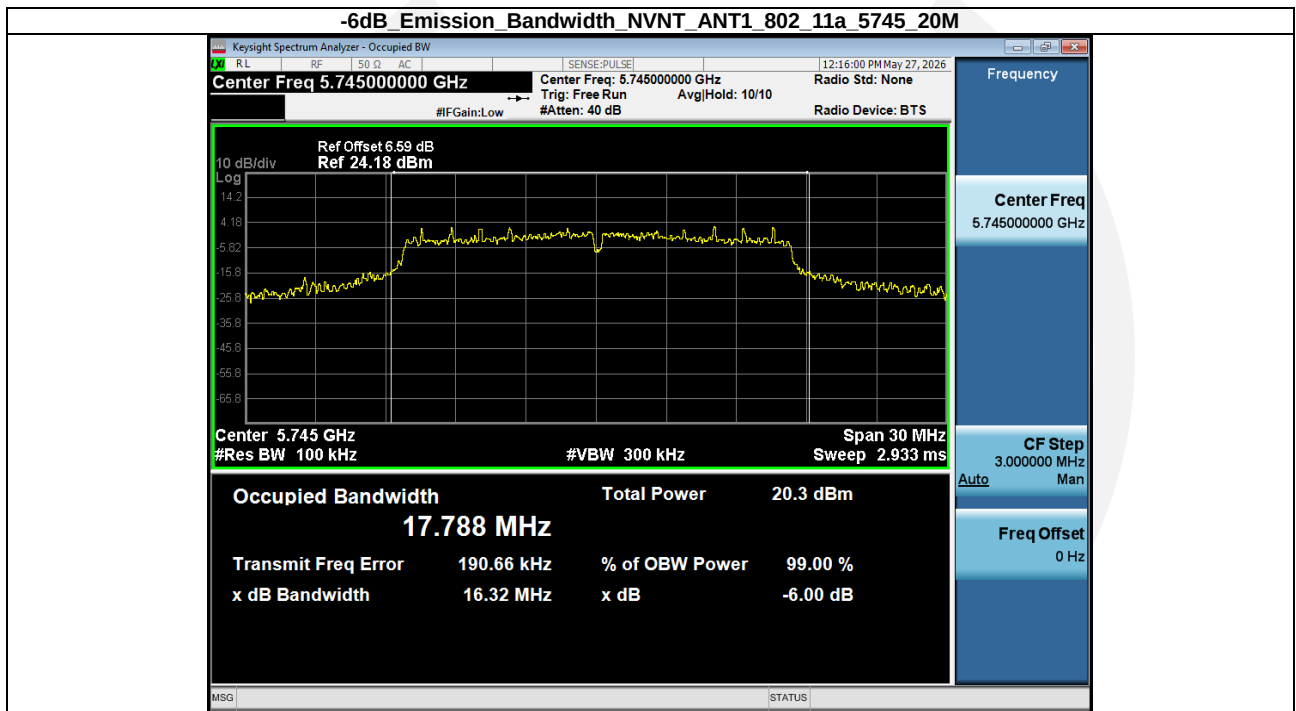


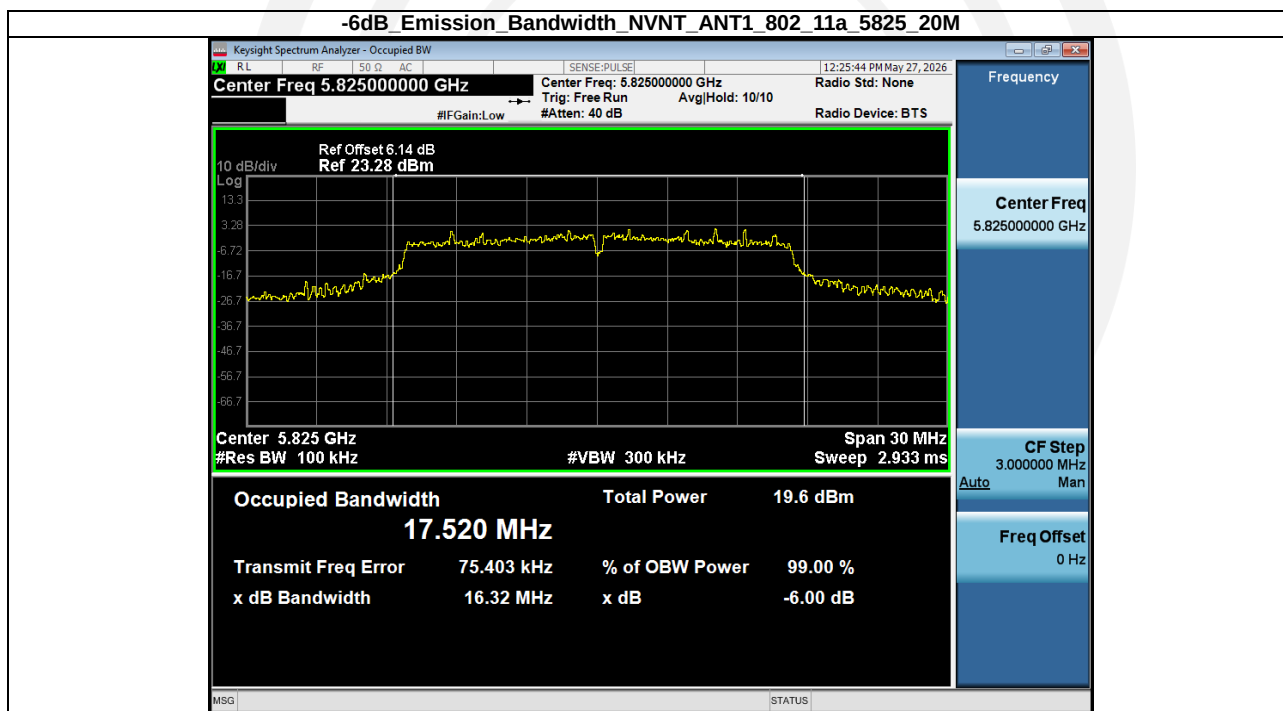
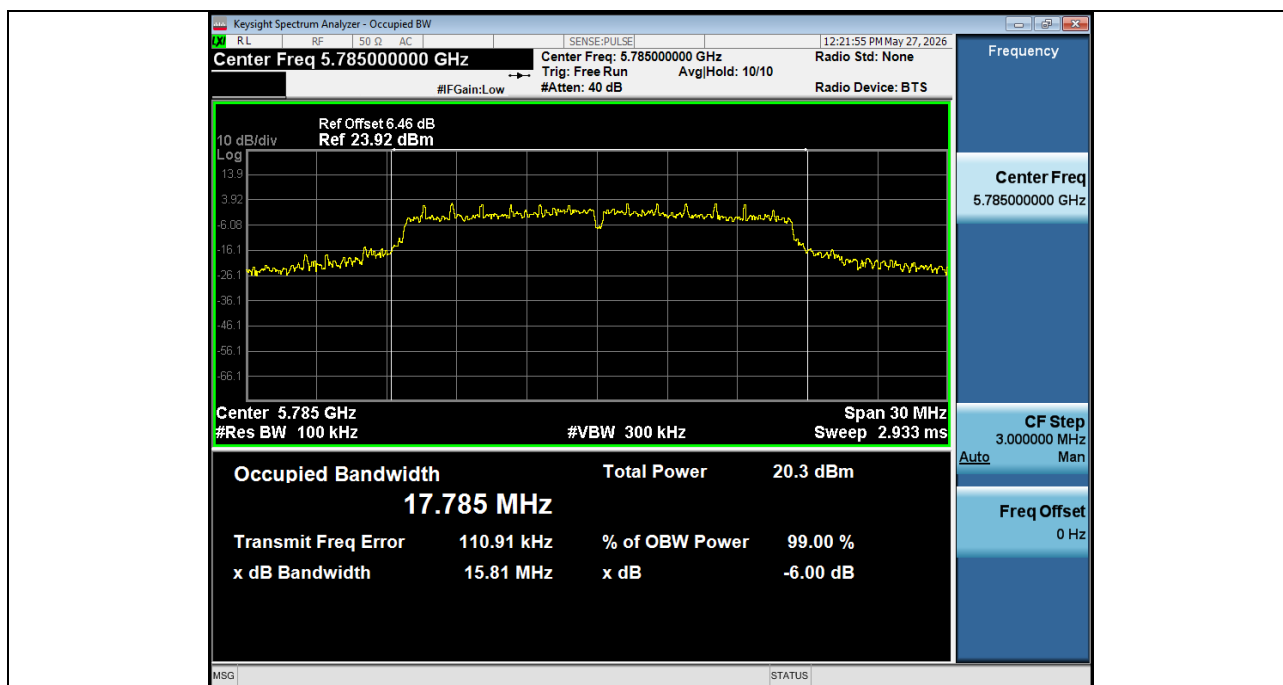




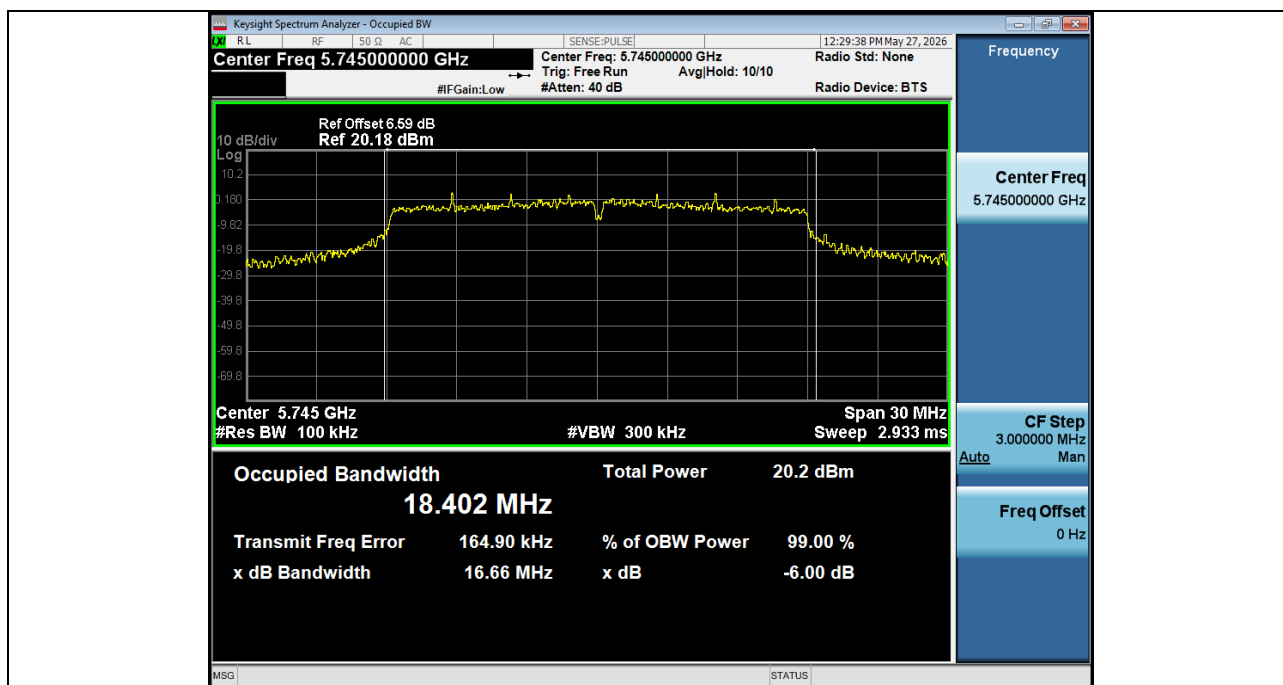
Band 4 (5725-5850 MHz):

Condition	Antenna	Mode	Frequency(MHz)	6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.315	0.500	Pass
NVNT	ANT1	802.11a	5785.00	15.814	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.318	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	16.656	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	17.020	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	16.633	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	16.569	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	15.980	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	17.067	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.401	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.789	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	36.094	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	36.070	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	75.364	0.500	Pass

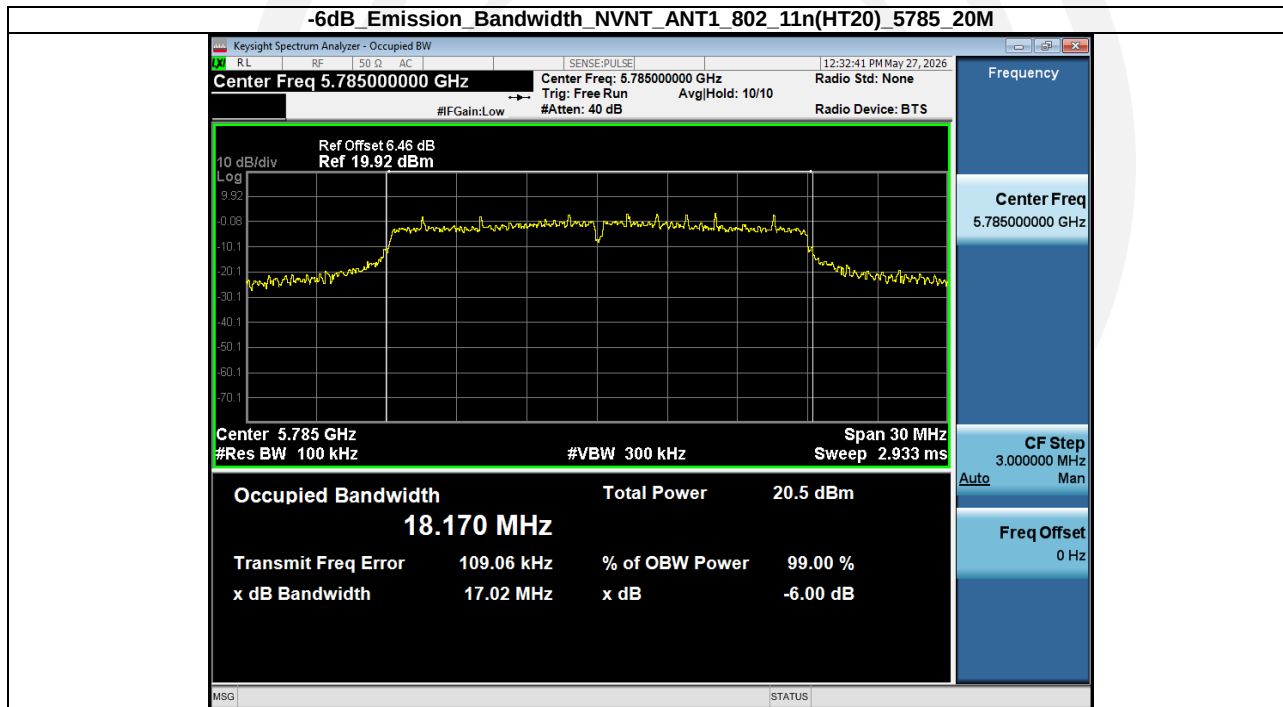
**-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5785_20M**



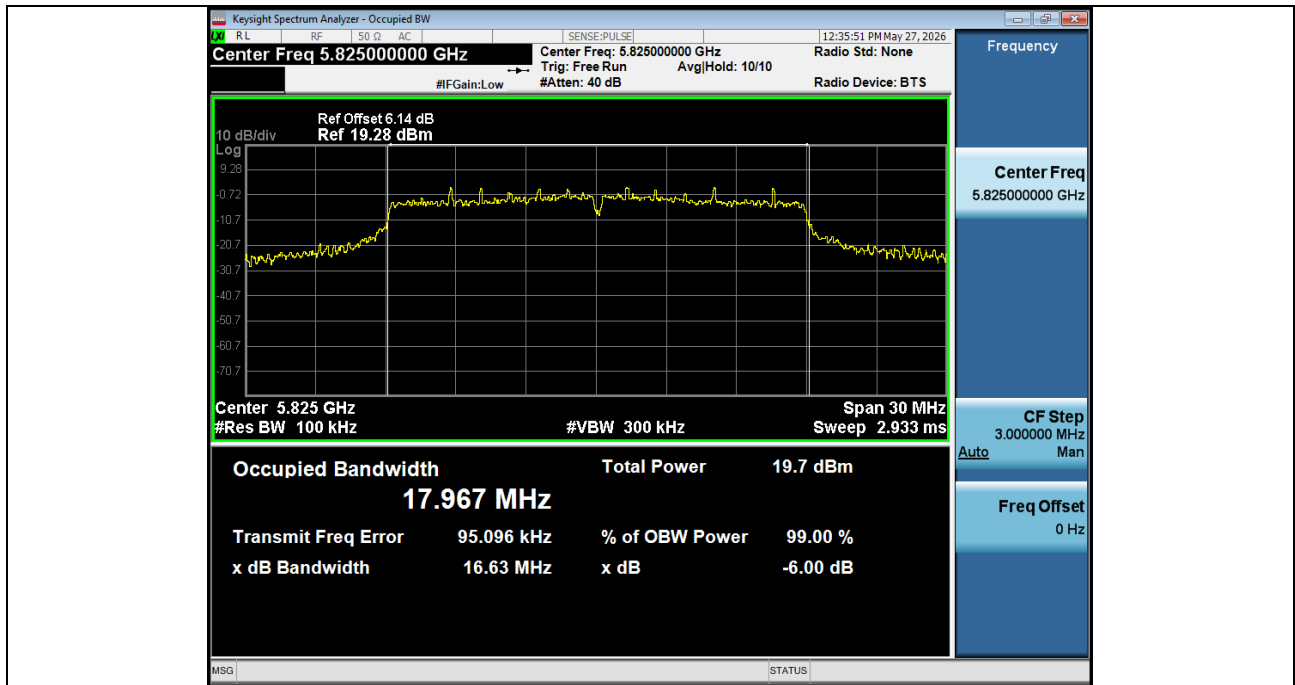
-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT20)_5745_20M



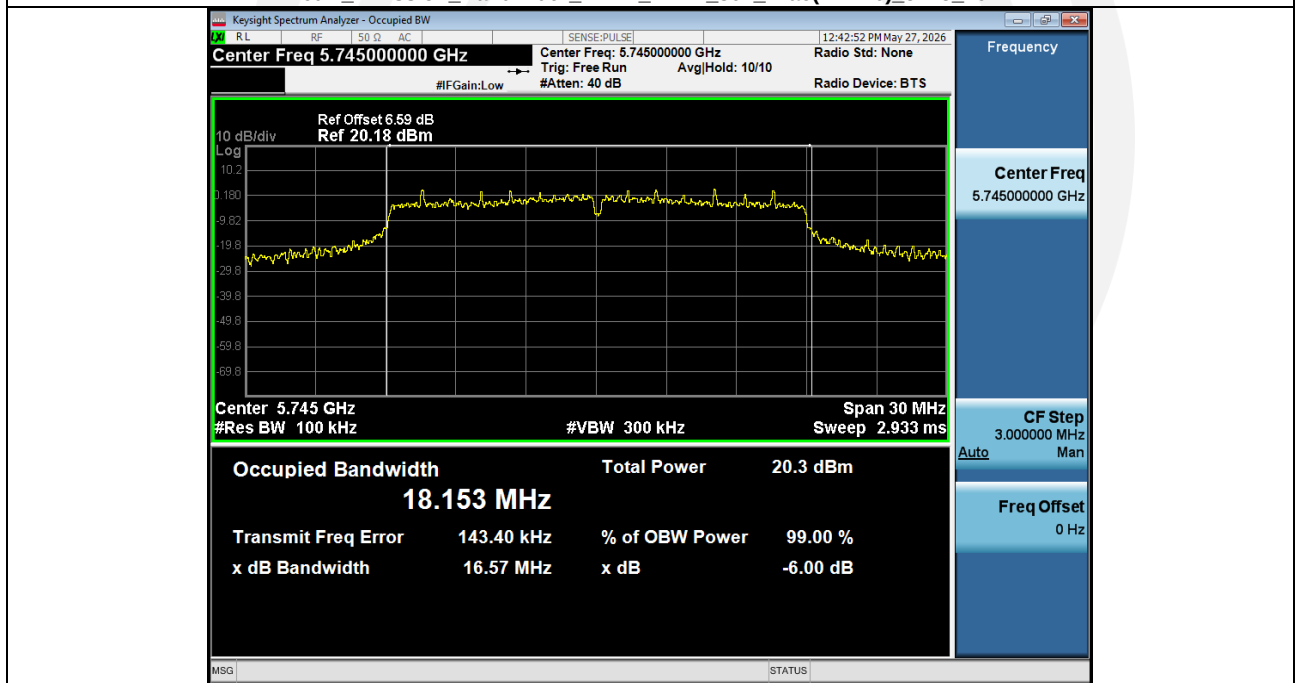
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5785_20M



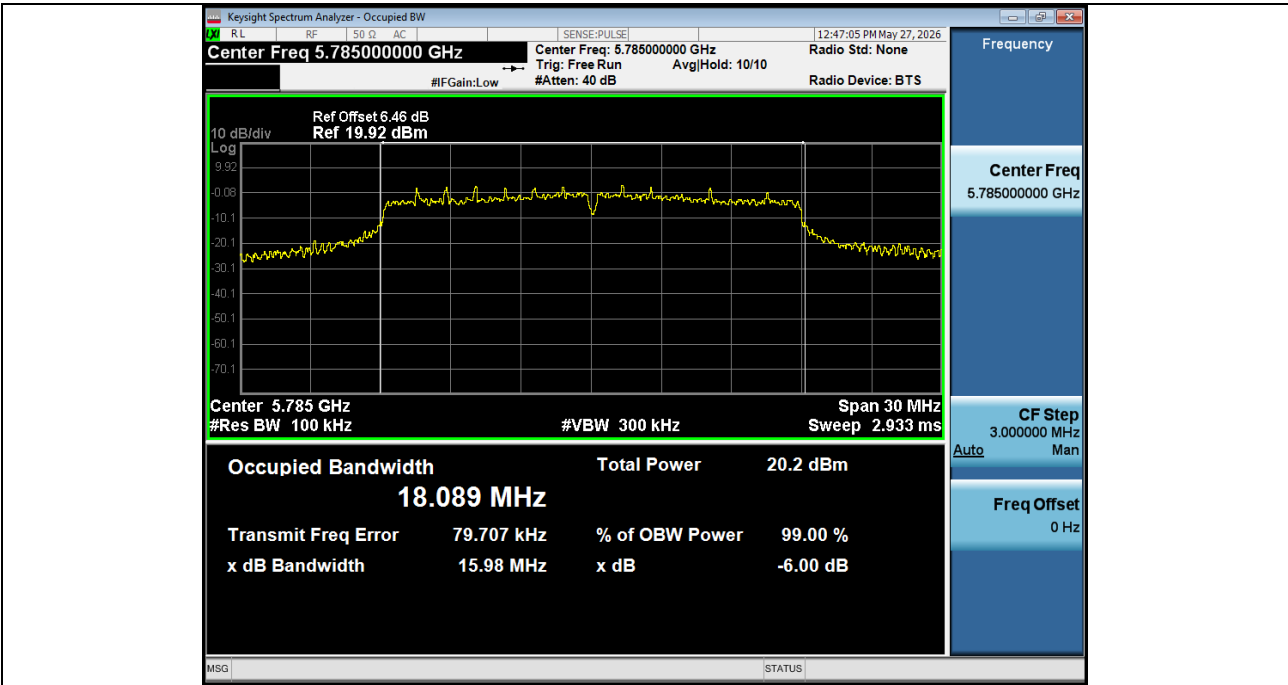
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5825_20M



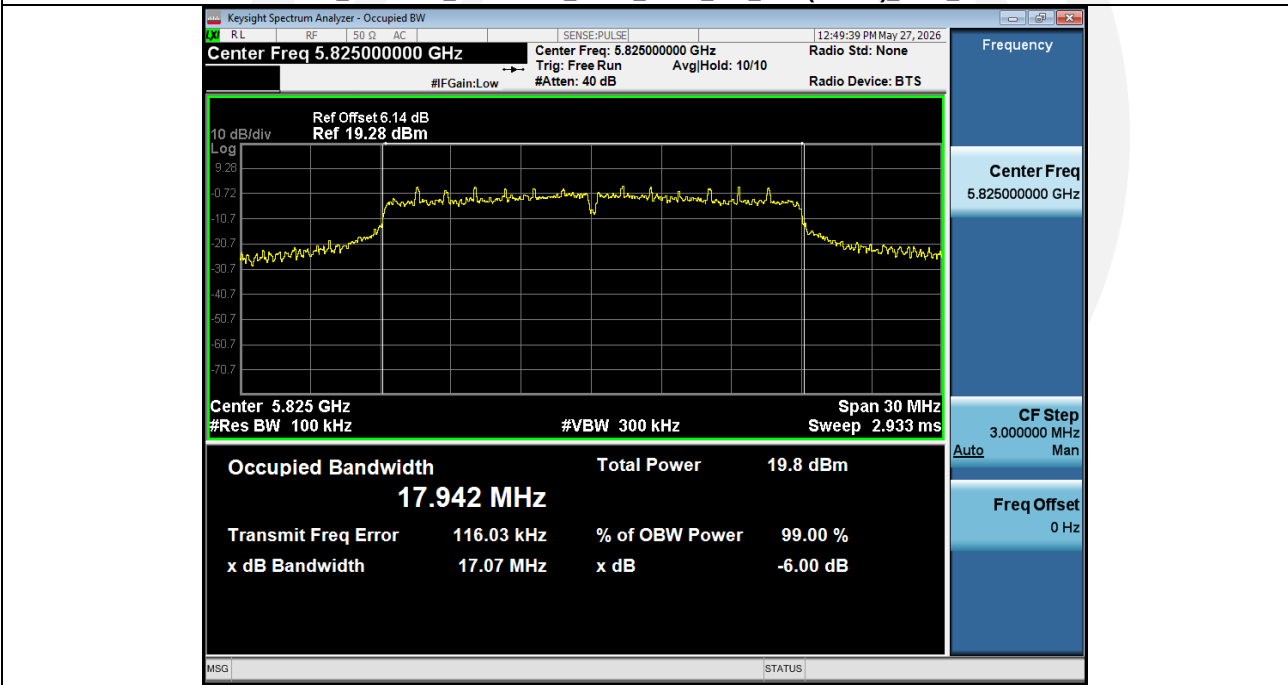
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5745_20M



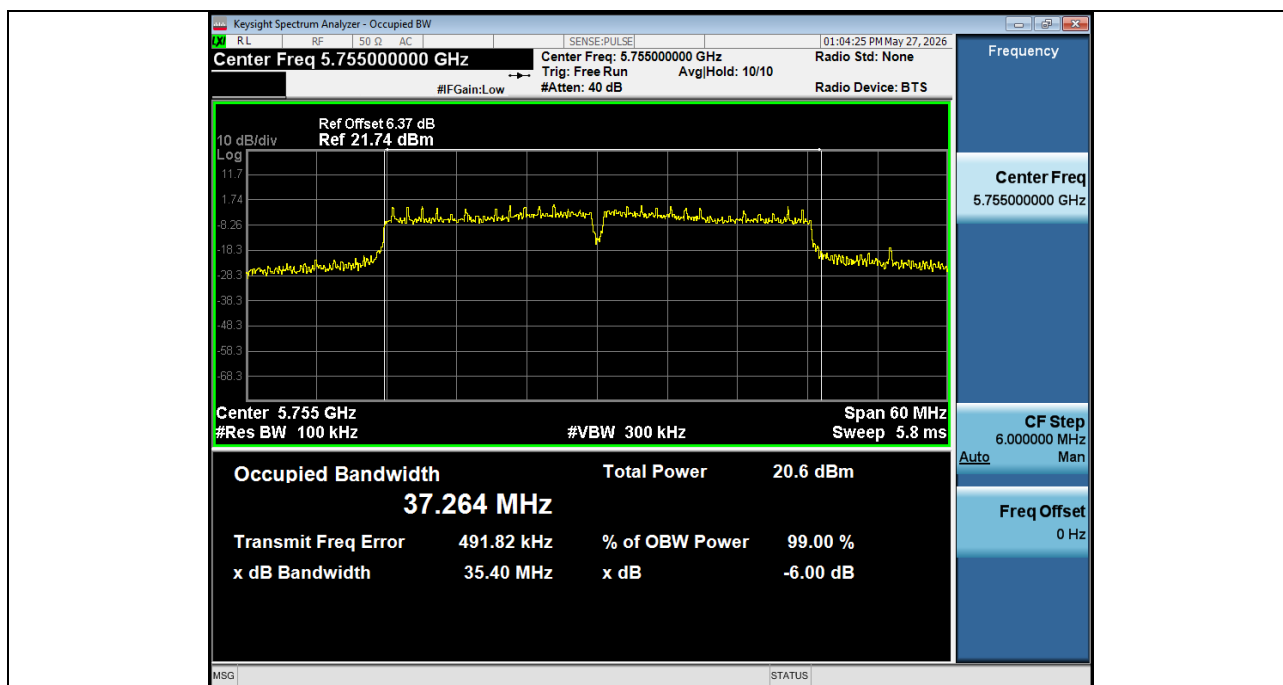
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5785_20M



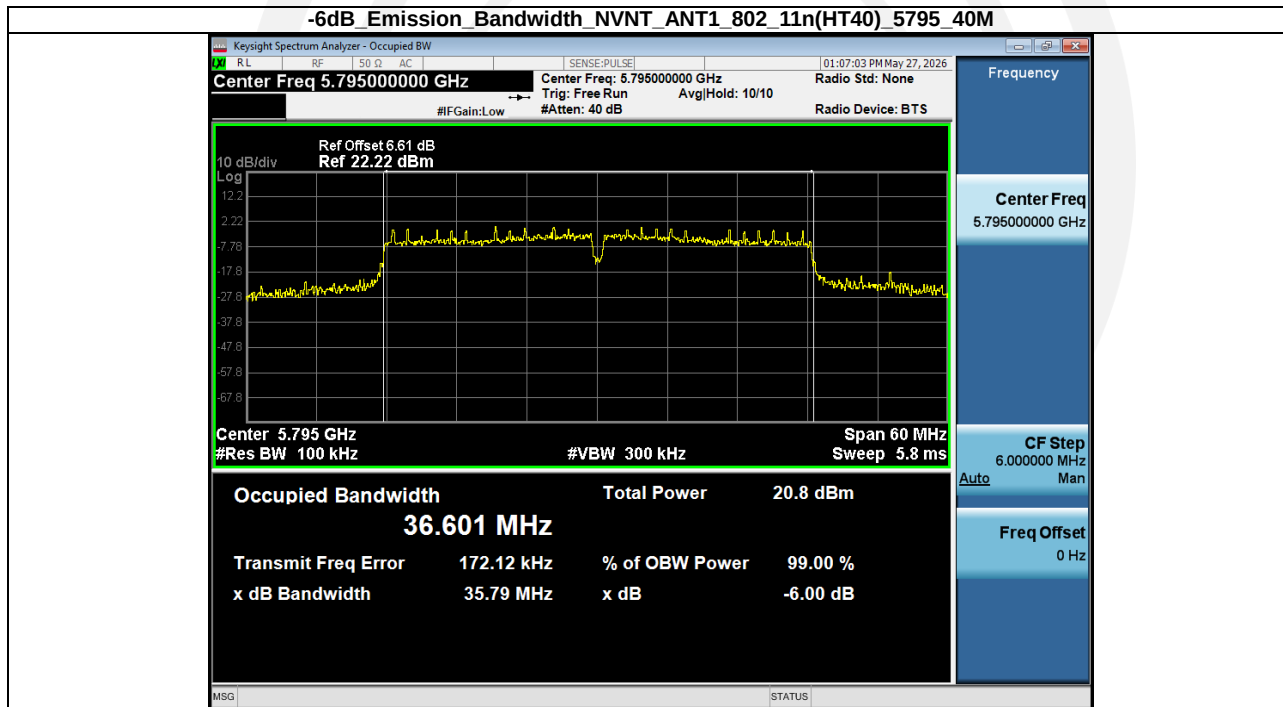
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5825_20M



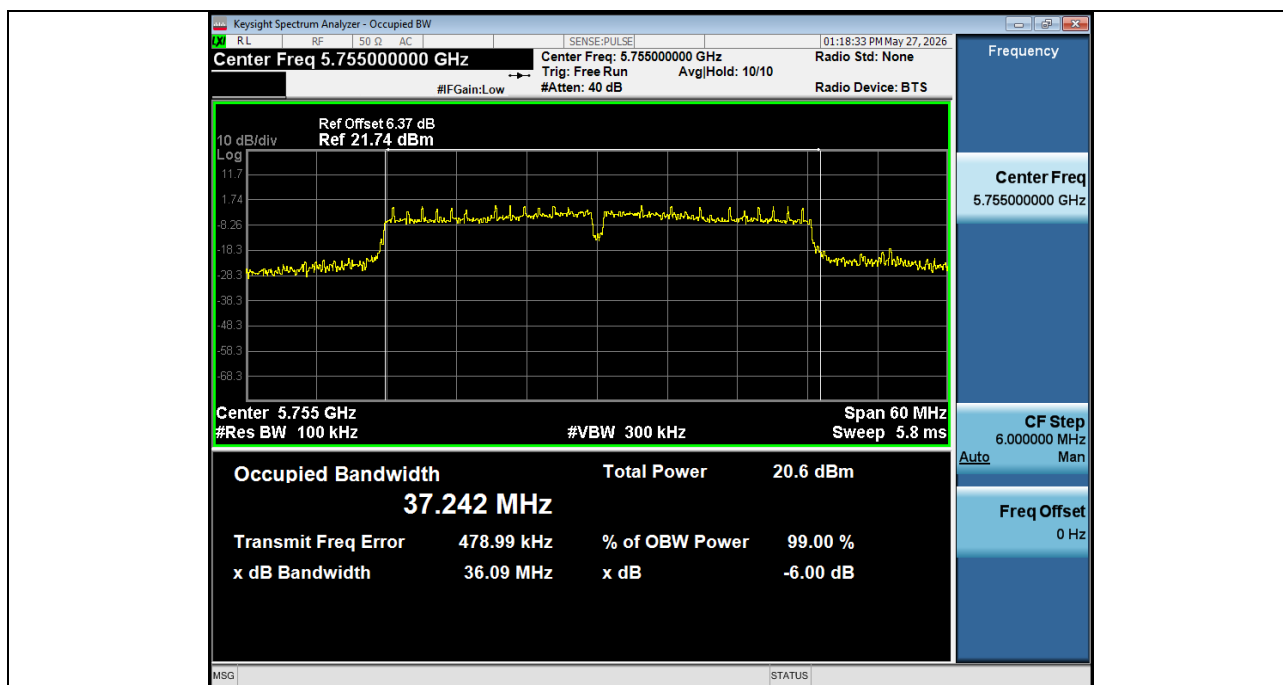
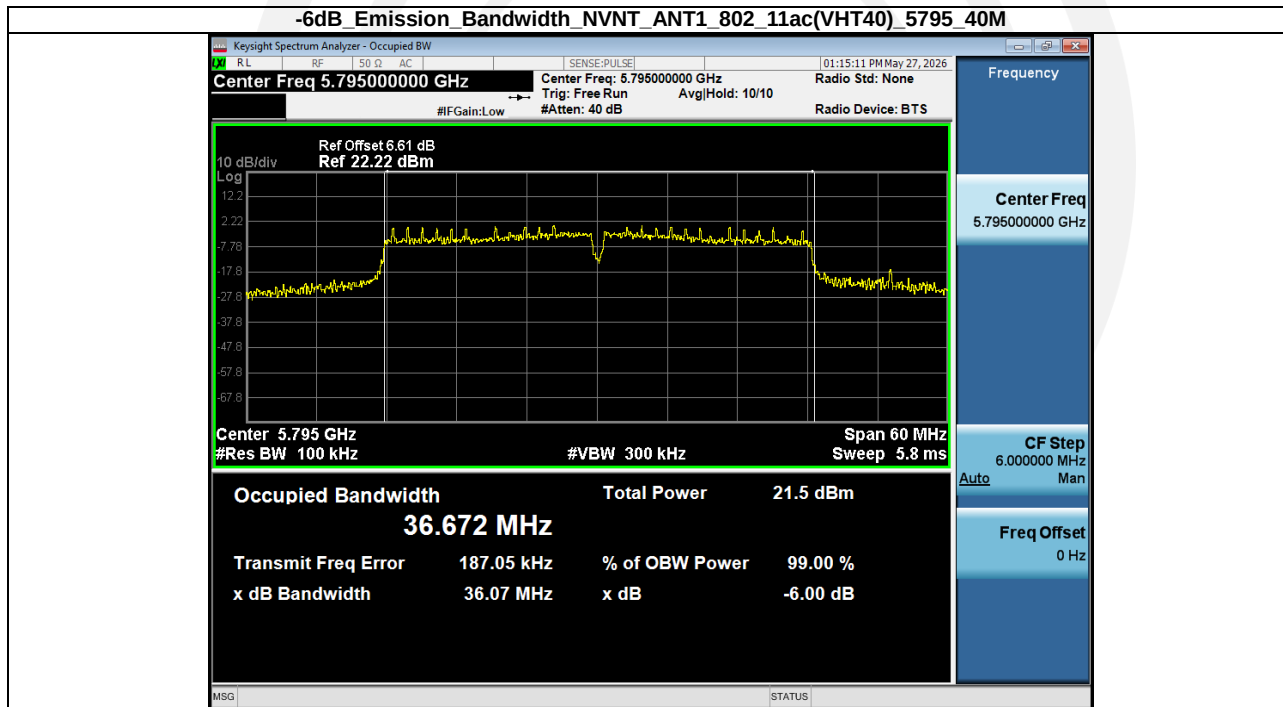
-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT40)_5755_40M

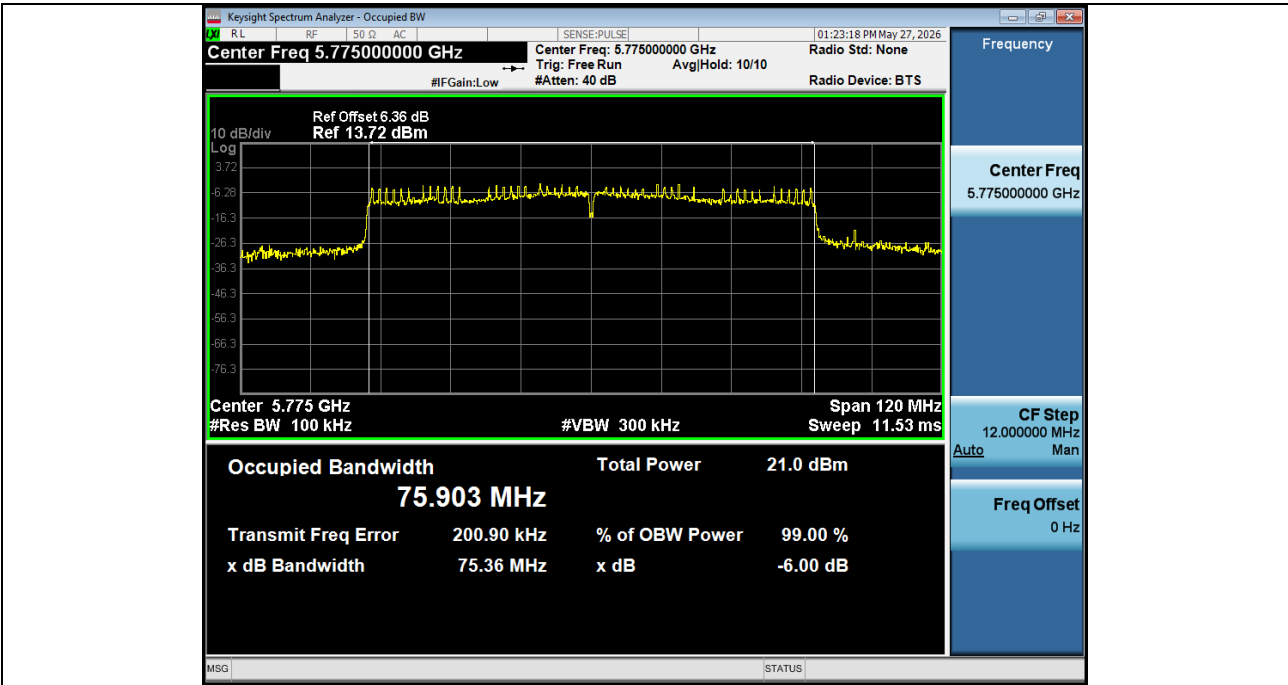


-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT40)_5795_40M



-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5755_40M

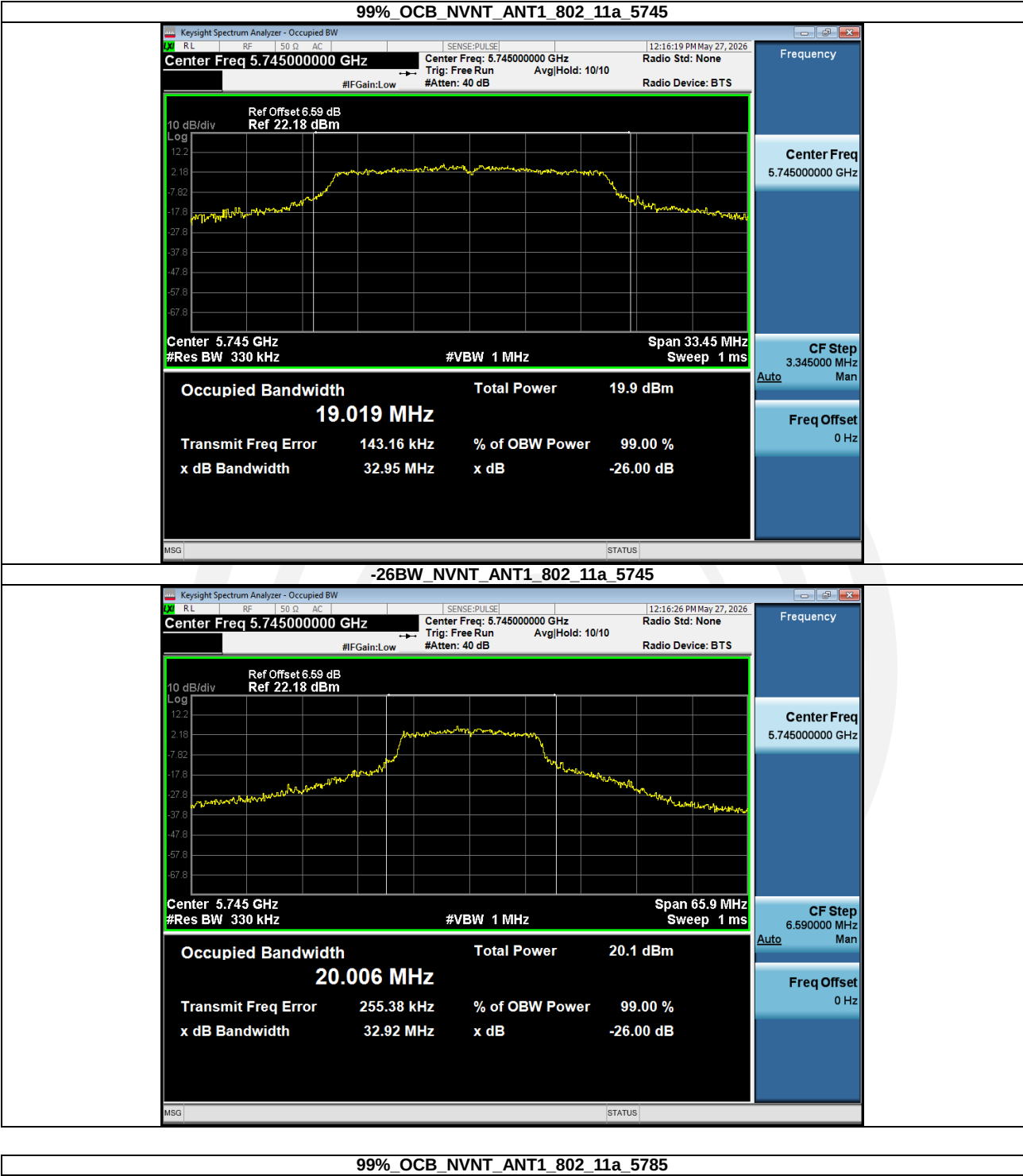
**-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5795_40M****-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT80)_5775_80M**



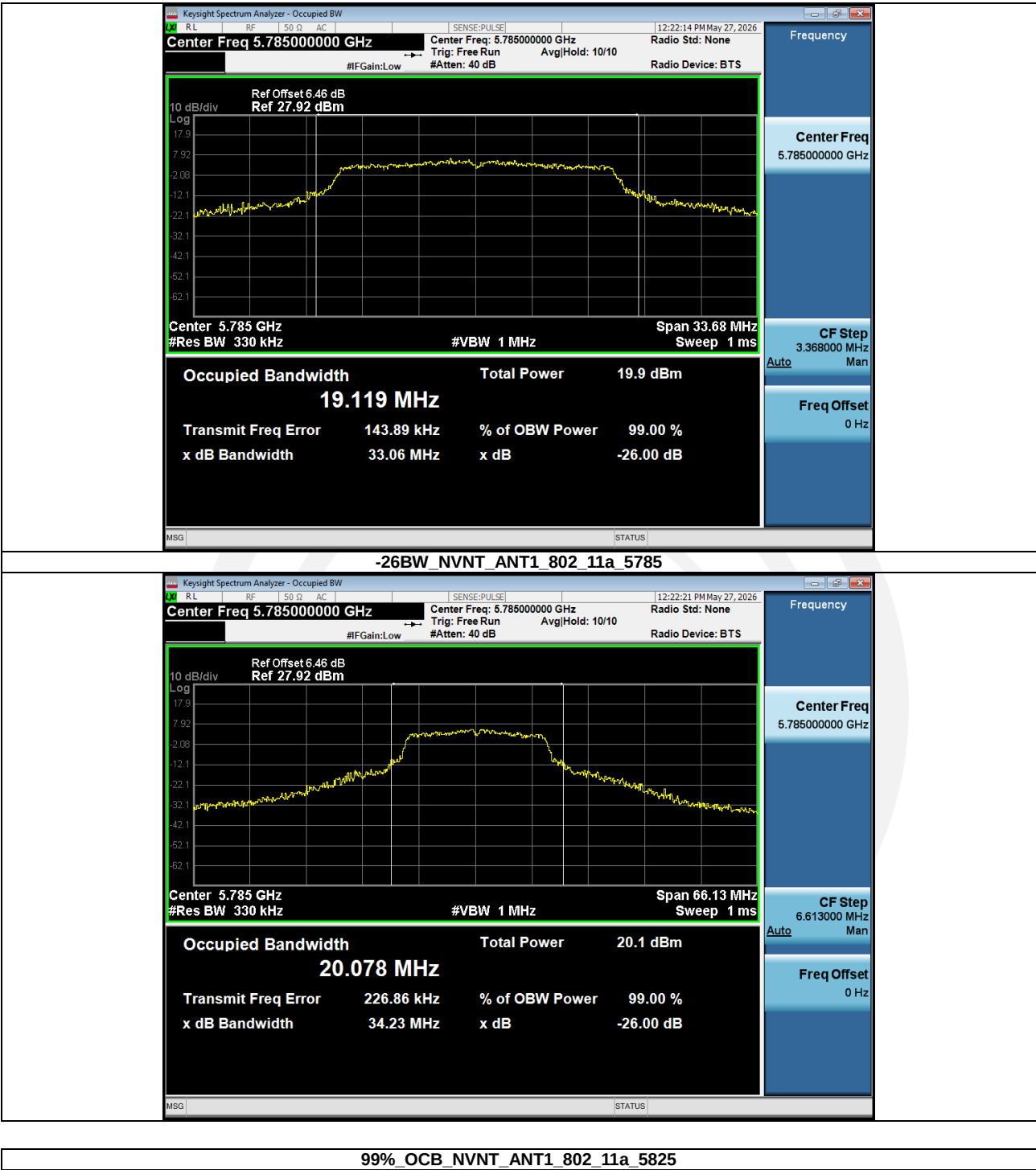
-26dB and 99% Emission Bandwidth

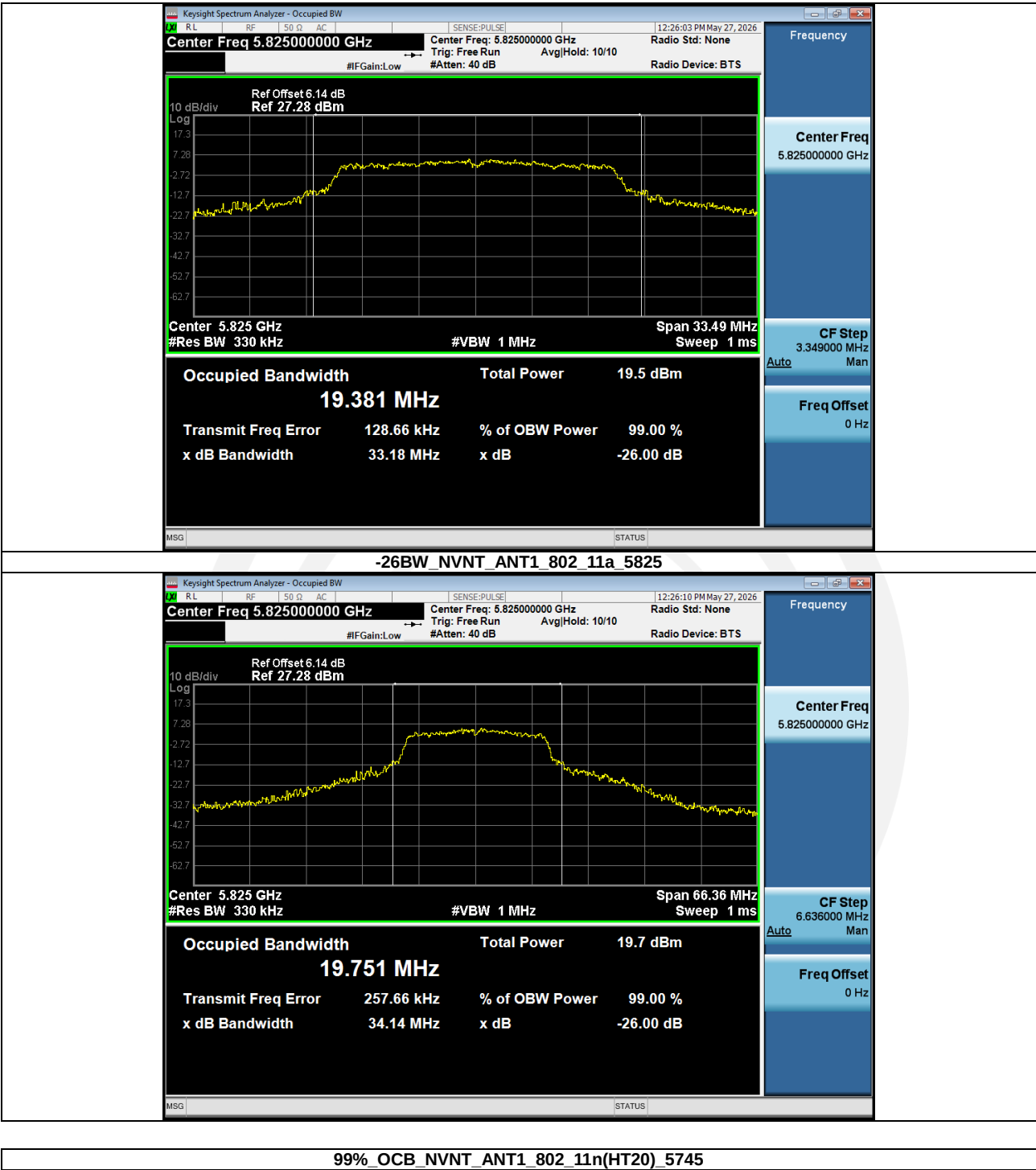
Condition	Antenna	Modulation	Frequency(MHz)	-26dB Emission Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	32.92	19.02
NVNT	ANT1	802.11a	5785.00	34.23	19.12
NVNT	ANT1	802.11a	5825.00	34.14	19.38
NVNT	ANT1	802.11n(HT20)	5745.00	37.19	19.65
NVNT	ANT1	802.11n(HT20)	5785.00	34.58	19.42
NVNT	ANT1	802.11n(HT20)	5825.00	35.28	19.07
NVNT	ANT1	802.11ac(VHT20)	5745.00	37.01	19.99
NVNT	ANT1	802.11ac(VHT20)	5785.00	35.62	19.35
NVNT	ANT1	802.11ac(VHT20)	5825.00	34.08	19.15
NVNT	ANT1	802.11n(HT40)	5755.00	79.63	40.99
NVNT	ANT1	802.11n(HT40)	5795.00	79.09	38.89
NVNT	ANT1	802.11ac(VHT40)	5755.00	80.79	40.72
NVNT	ANT1	802.11ac(VHT40)	5795.00	78.53	39.40
NVNT	ANT1	802.11ac(VHT80)	5775.00	125.51	77.19

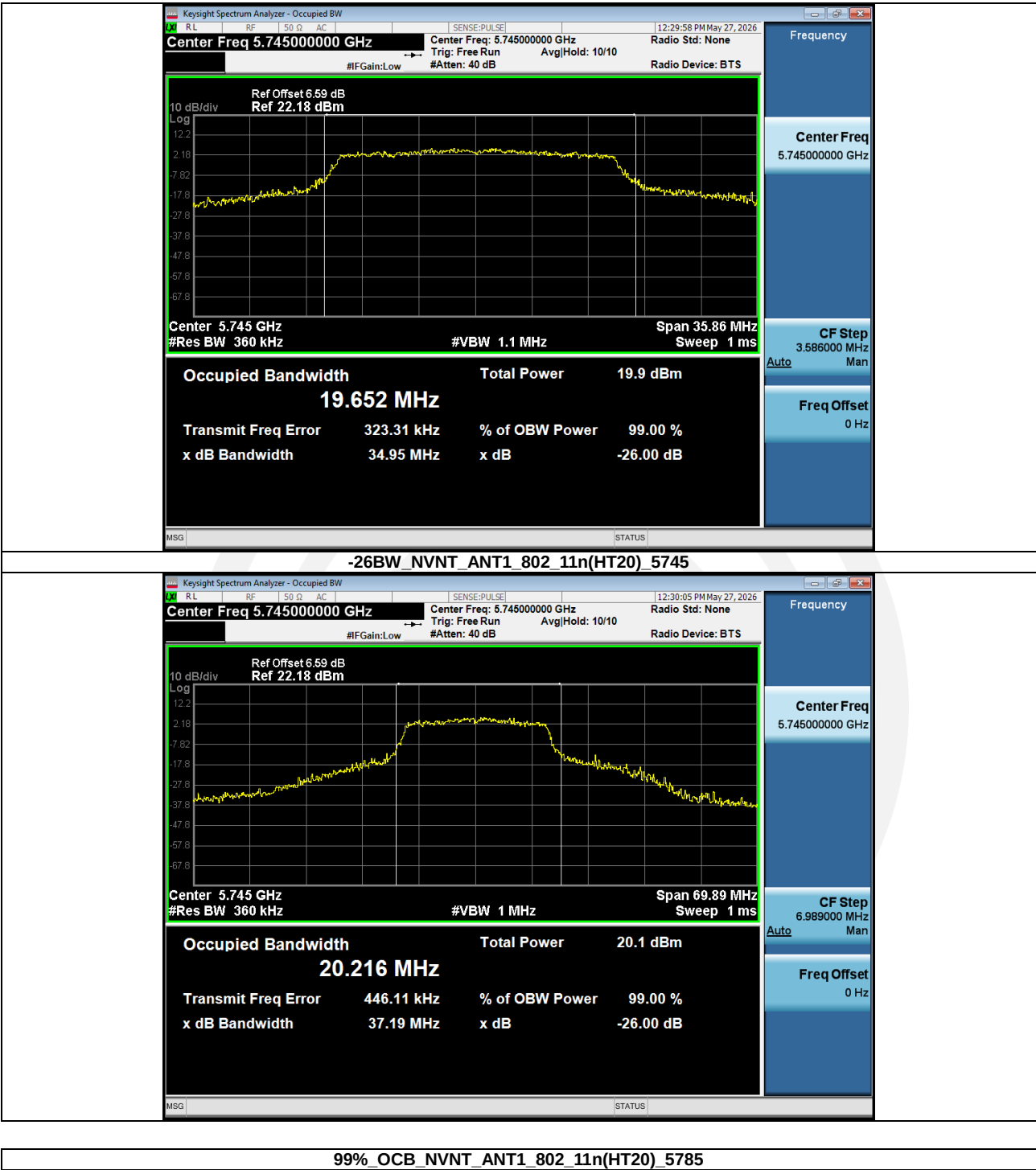


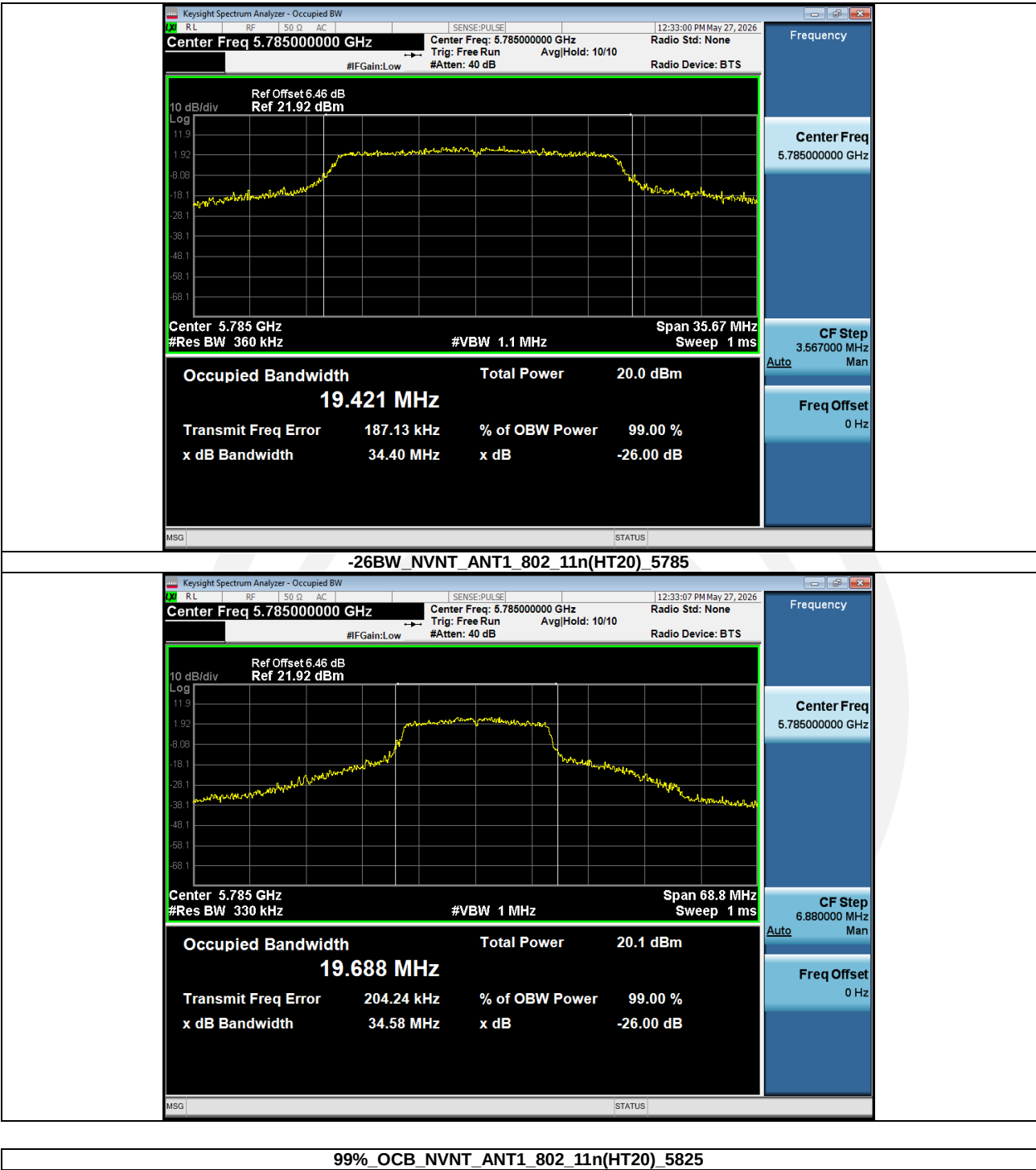


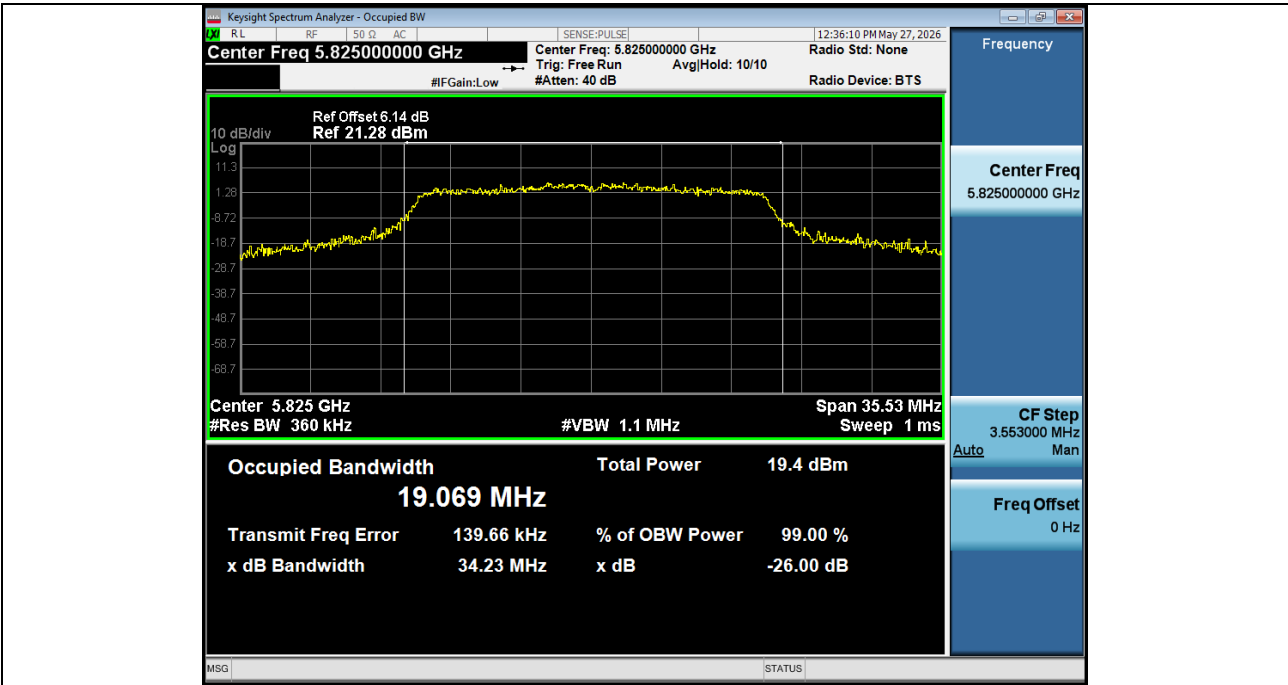
99%_OCB_NVNT_ANT1_802_11a_5785



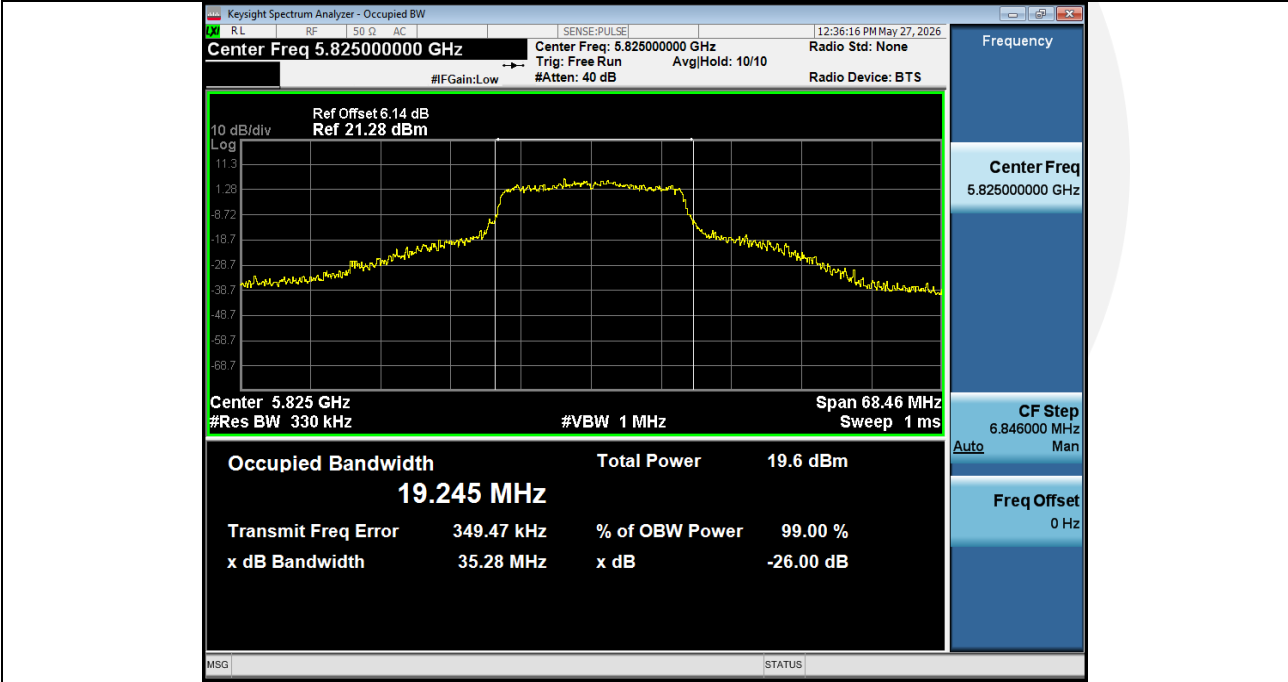




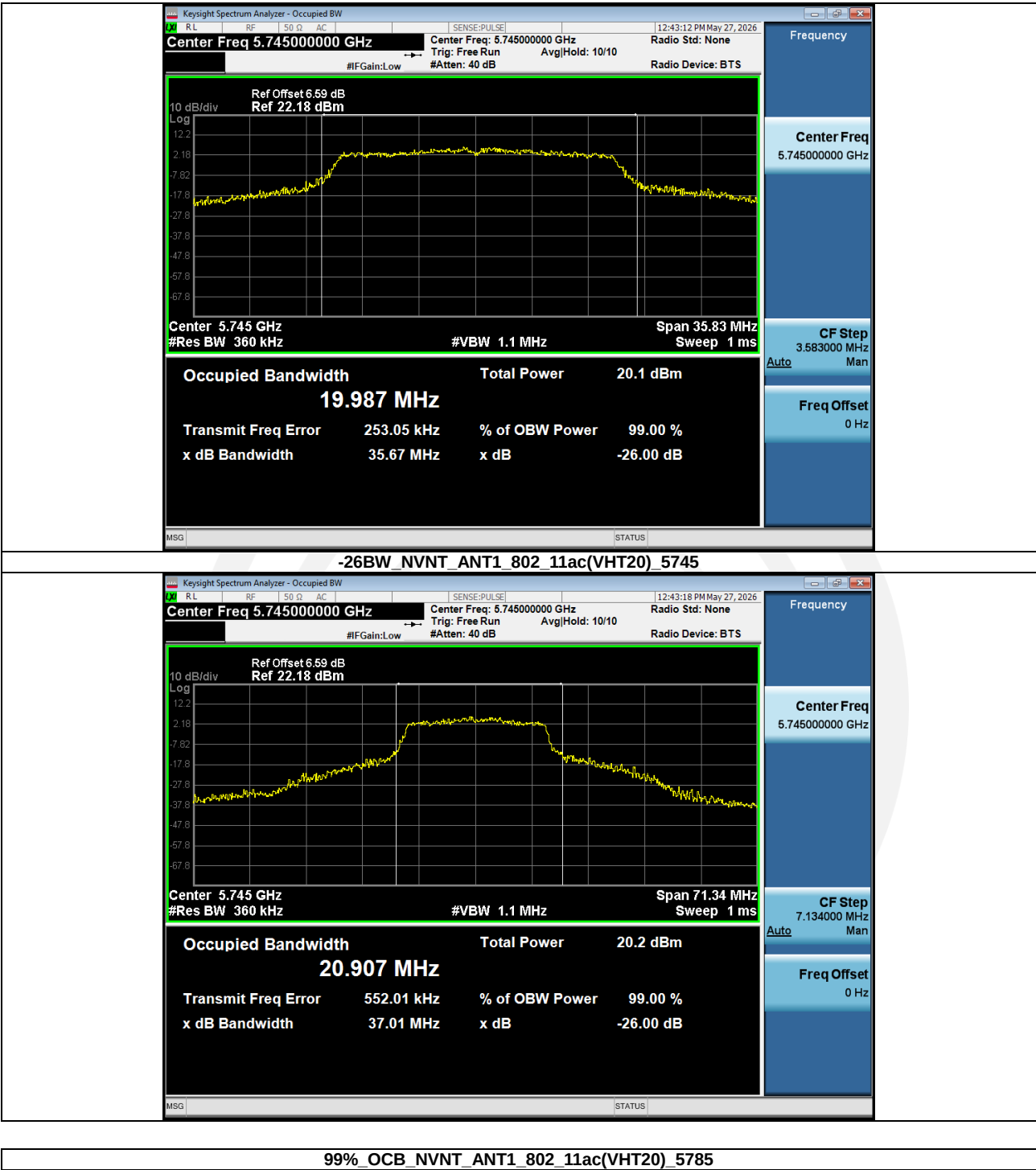


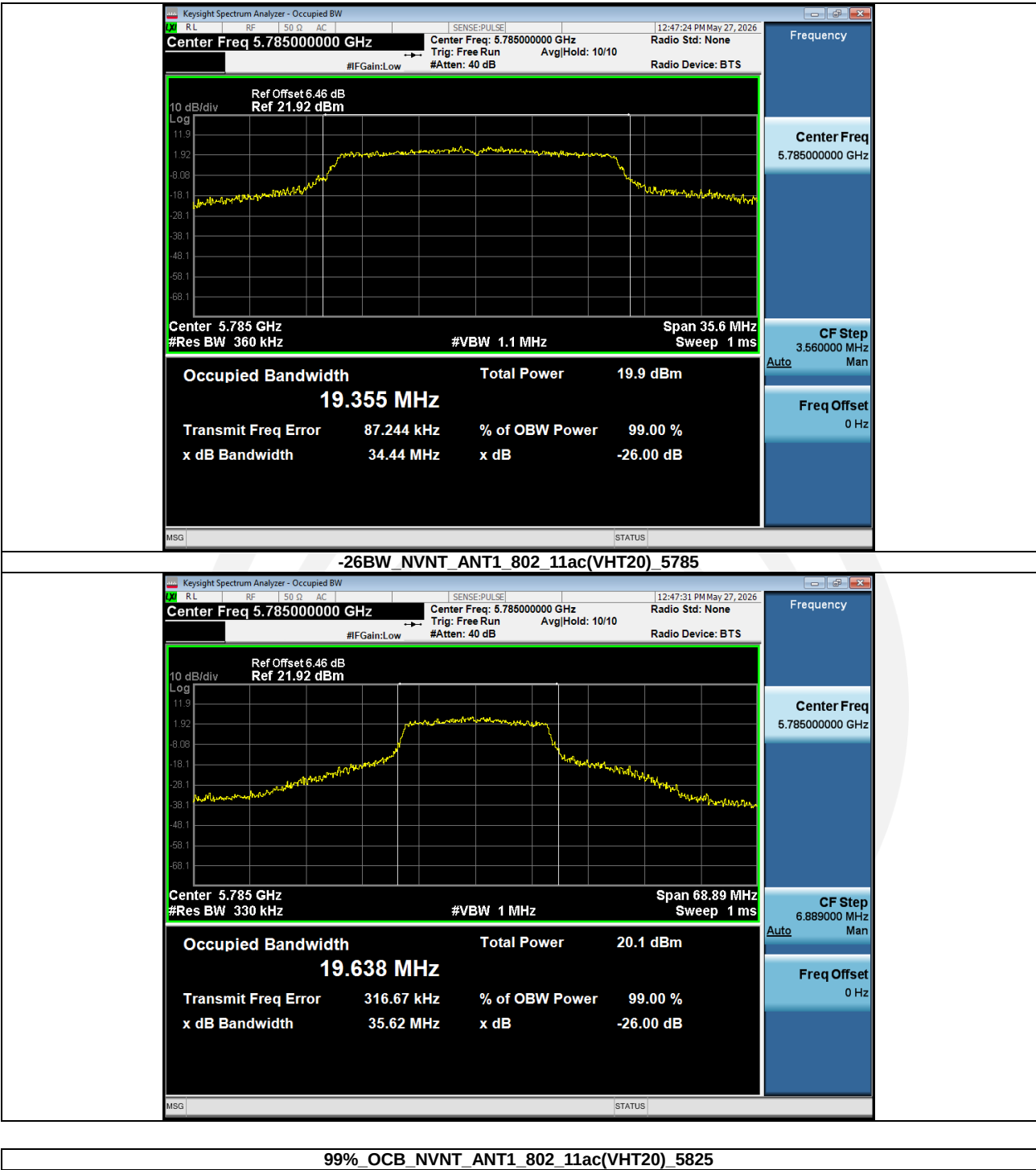


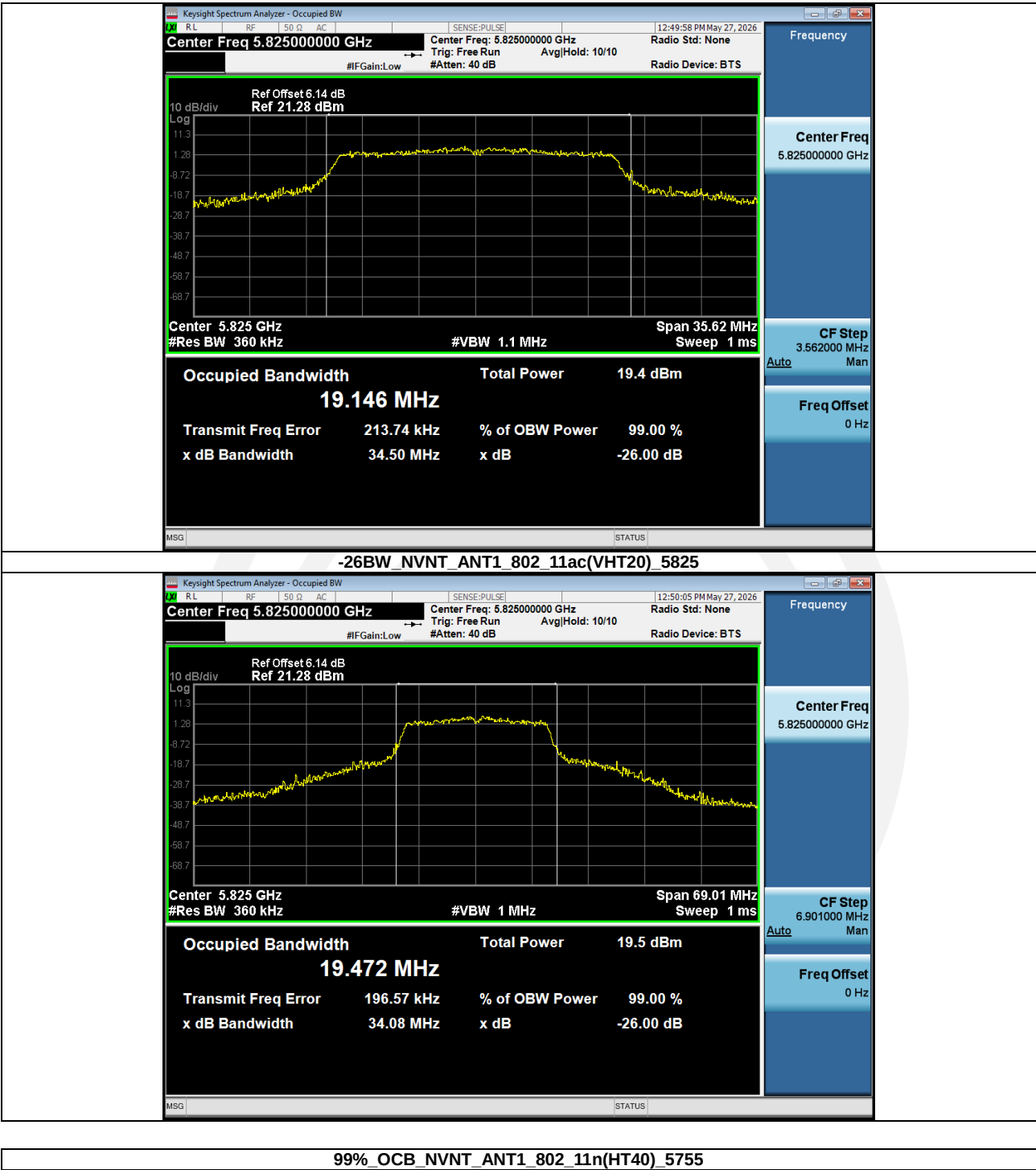
-26BW_NVNT_ANT1_802_11n(HT20)_5825

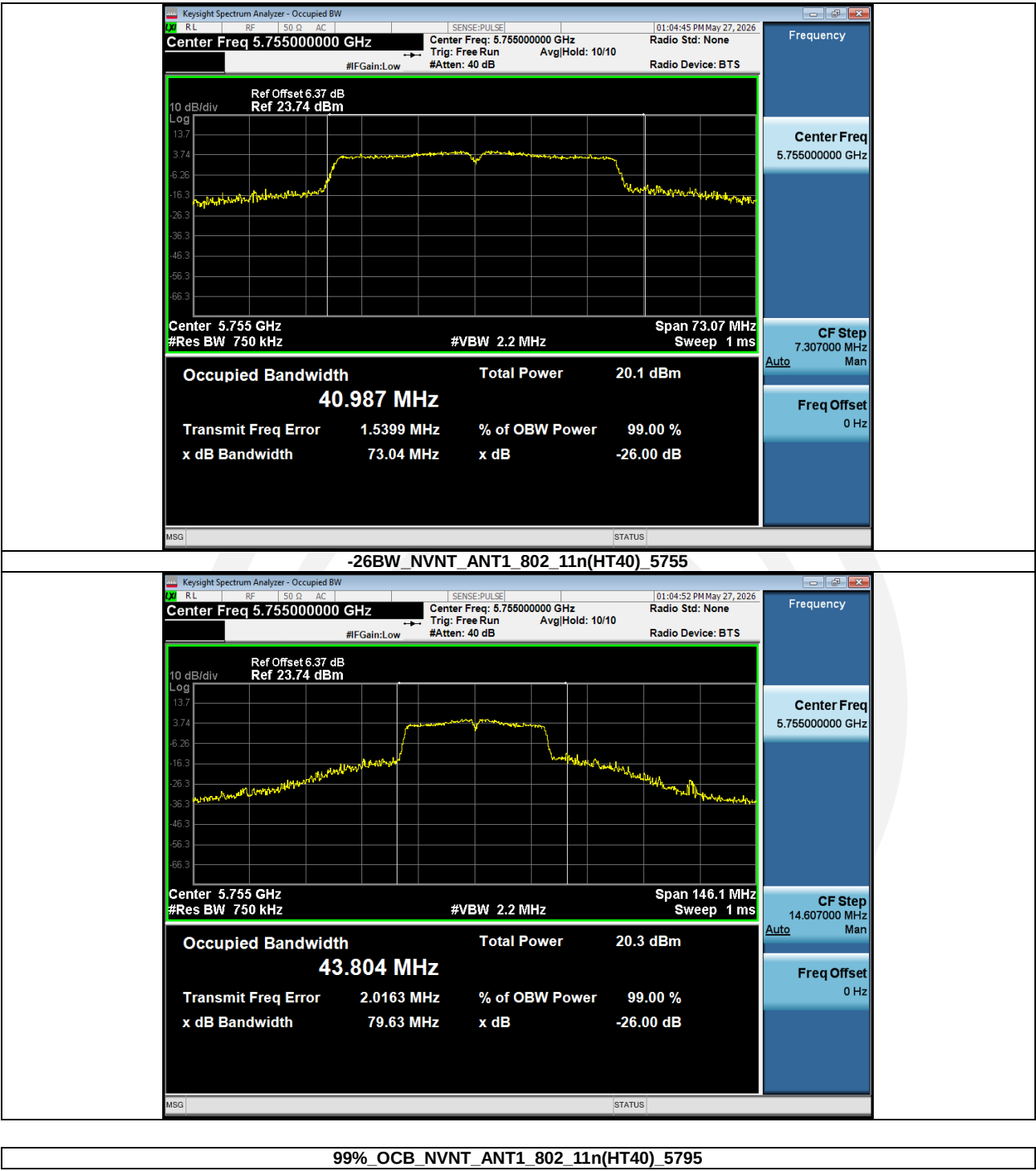


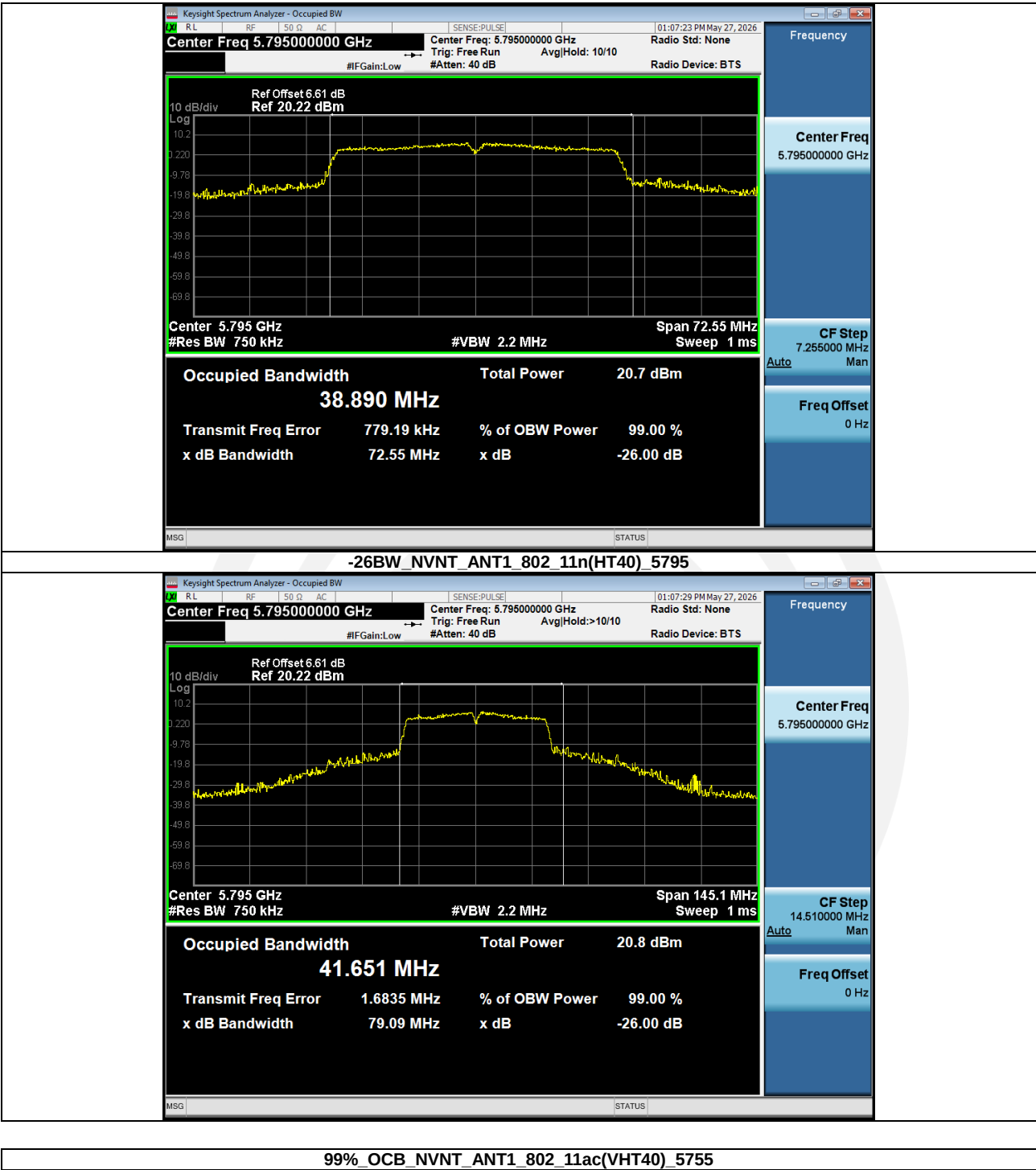
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5745

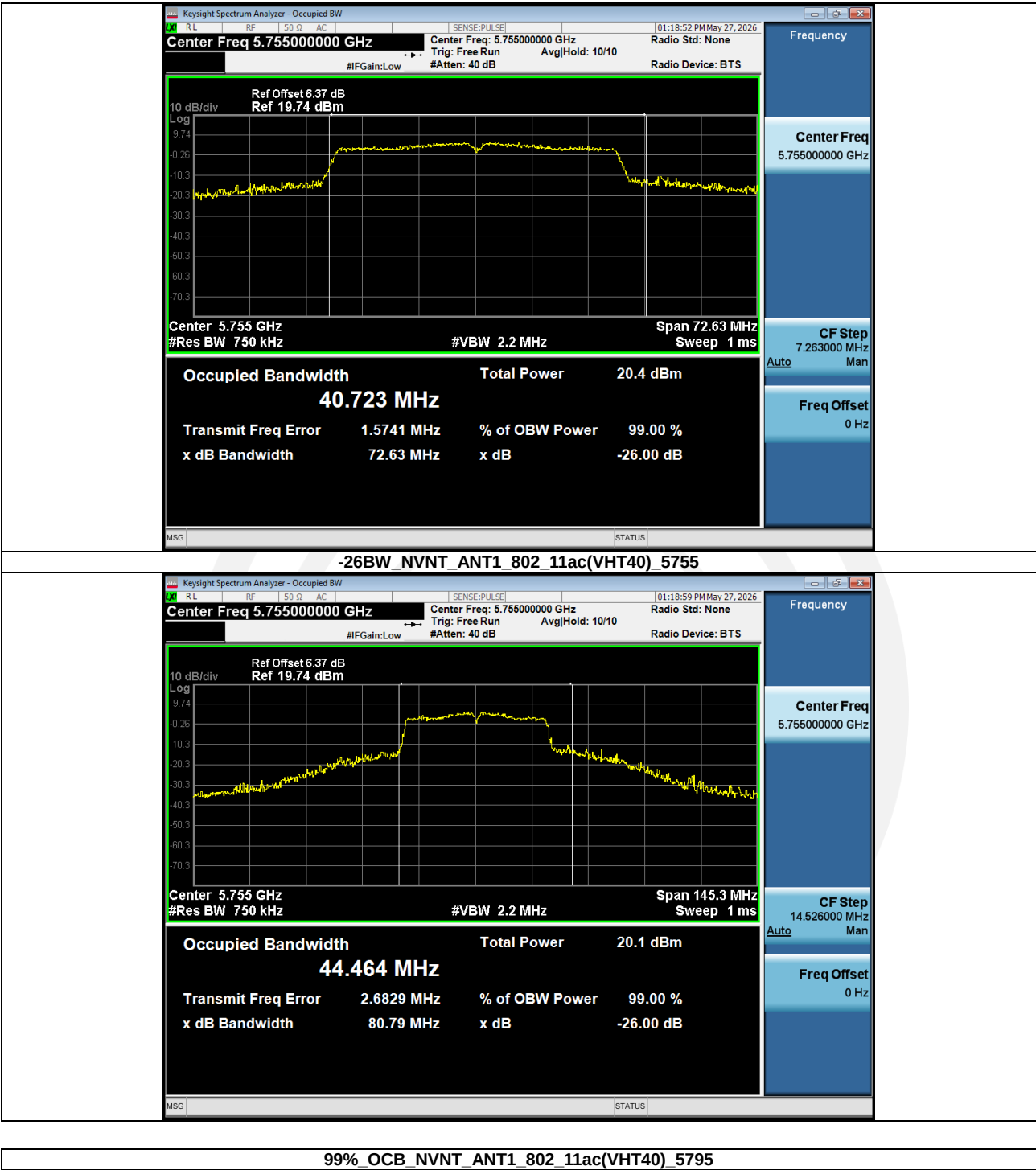


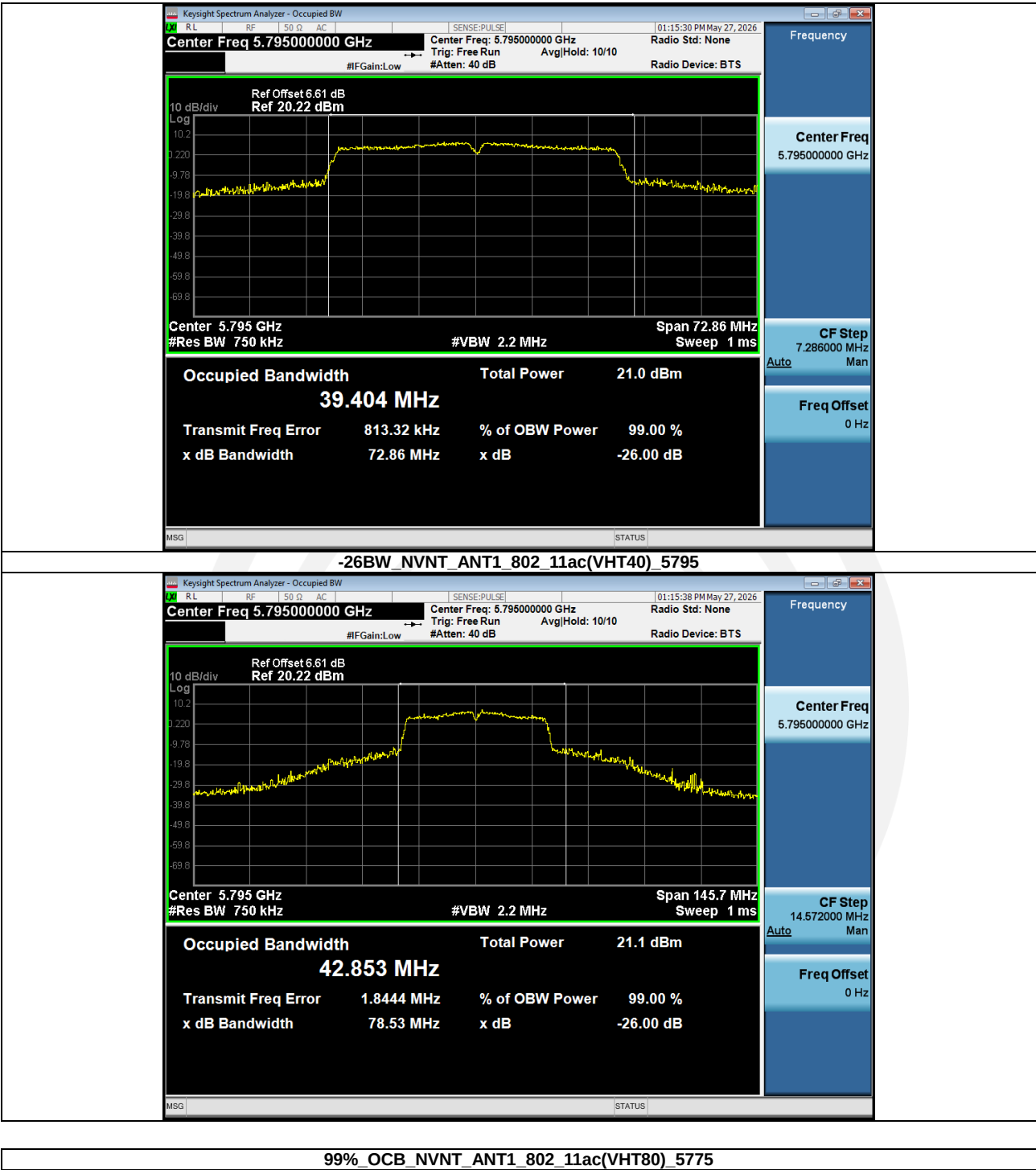


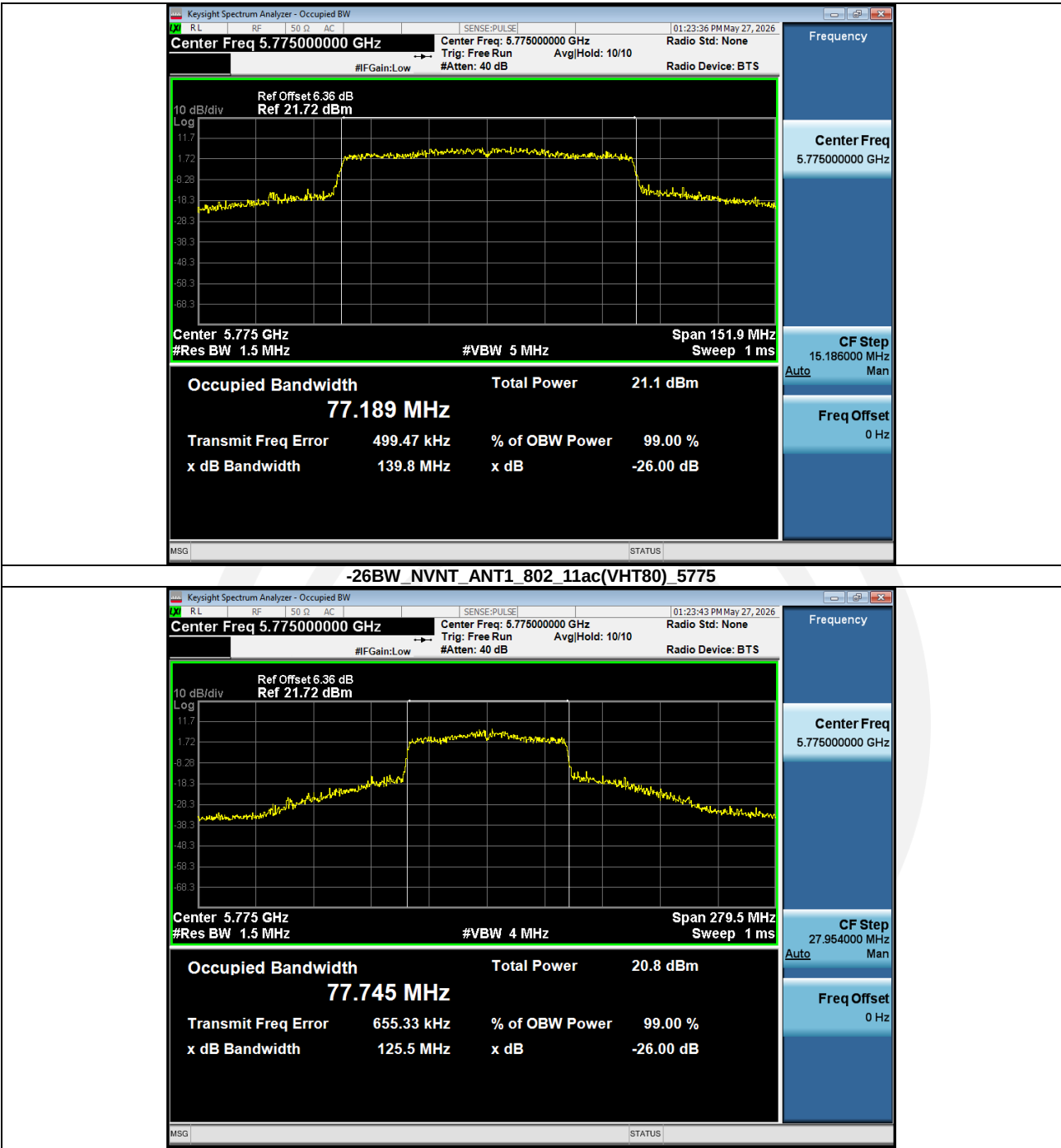












4.4 Duty Cycle

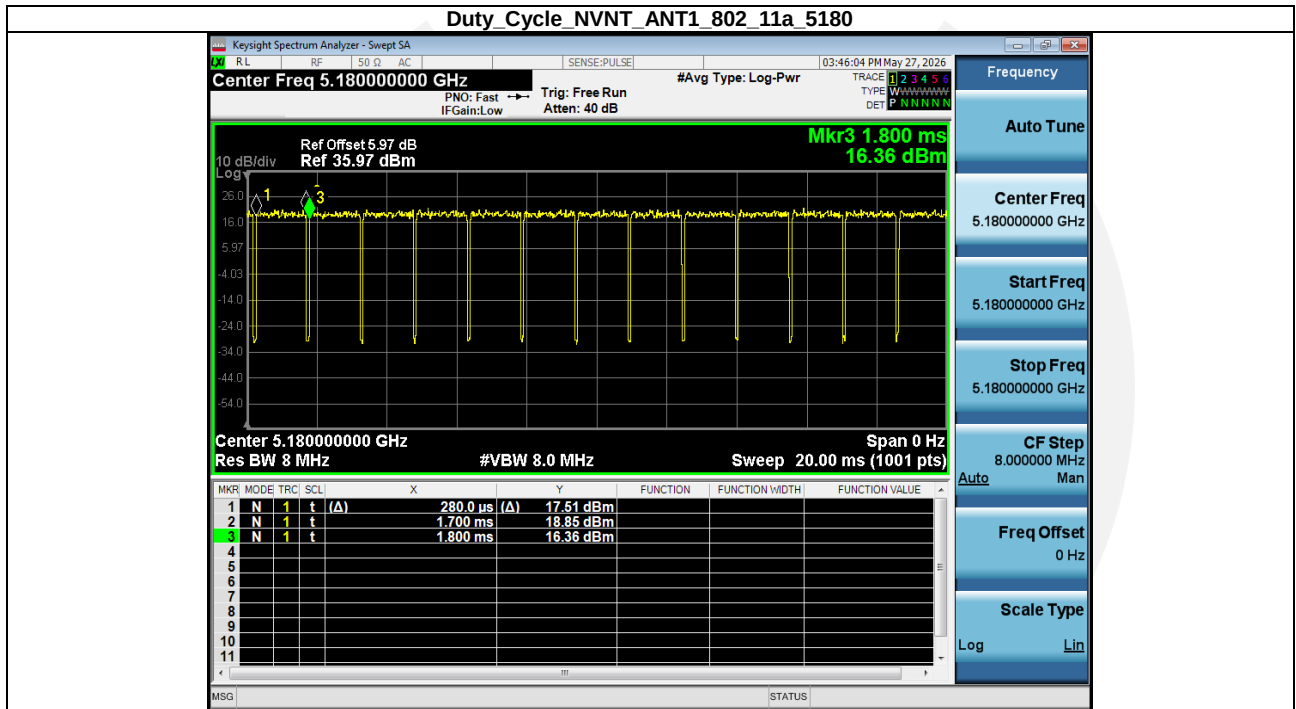
Test Requirement:	All measurements are to be performed with the EUT transmitting at 100% duty cycle at its maximum power control level; however, if 100% duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, T, are required for each tested mode of operation.
Test Method:	Please refer to ANSI C63.10-2020 Section 12.2
Limit:	No limits
Test setup:	 The diagram illustrates the test setup. On the left is a green rectangular box labeled 'Spectrum Analyzer' with a screen and two small circles. A horizontal line connects it to a yellow rectangular box on the right labeled 'EUT' with a single circle on its left side.
Test procedure:	i) Set the center frequency of the instrument to the center frequency of the transmission. ii) Set RBW $\geq$ EBW if possible; otherwise, set RBW to the largest available value. iii) Set VBW $\geq$ RBW. iv) Set detector = peak. v) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$, where T is defined in item a1) of 12.2, and the number of sweep points across duration T exceeds 100.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Measurement Data

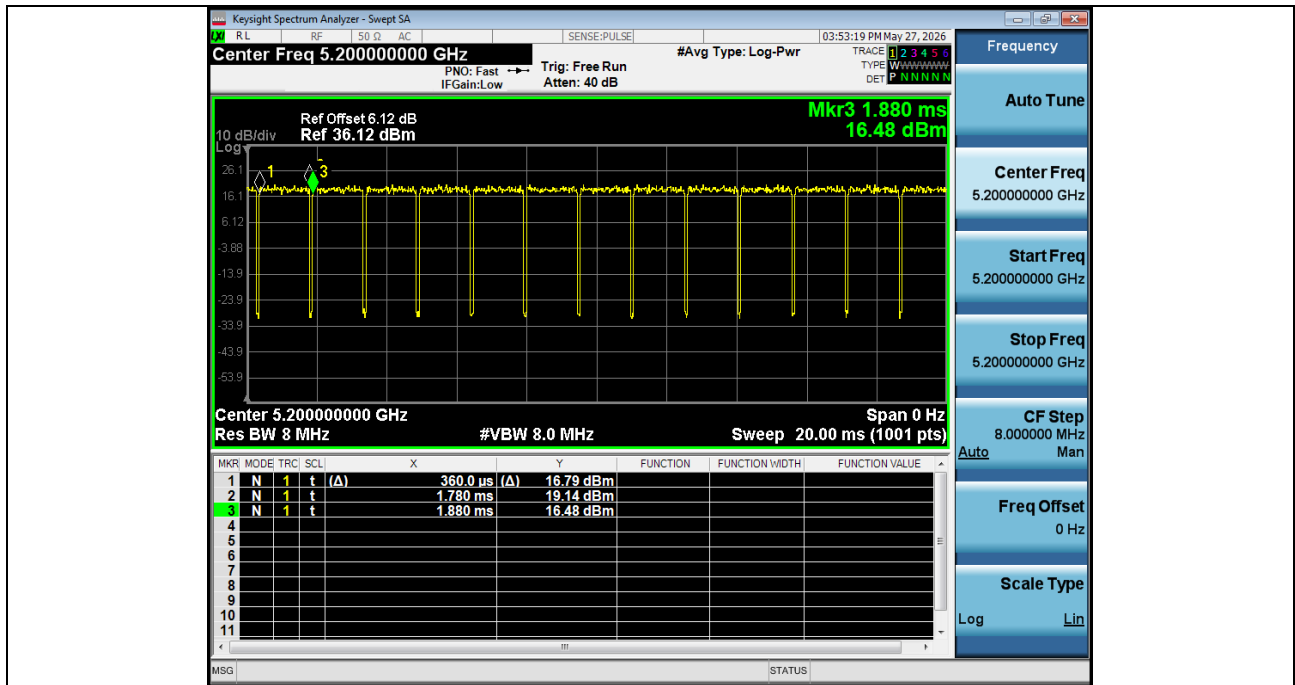
Band 1 (5150-5250 MHz):

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	93.42	0.30
NVNT	ANT1	802.11a	5200.00	93.42	0.30
NVNT	ANT1	802.11a	5240.00	93.51	0.29
NVNT	ANT1	802.11n(HT20)	5180.00	93.06	0.31
NVNT	ANT1	802.11n(HT20)	5200.00	93.06	0.31
NVNT	ANT1	802.11n(HT20)	5240.00	93.06	0.31
NVNT	ANT1	802.11ac(VHT20)	5180.00	93.06	0.31
NVNT	ANT1	802.11ac(VHT20)	5200.00	93.06	0.31
NVNT	ANT1	802.11ac(VHT20)	5240.00	93.06	0.31
NVNT	ANT1	802.11n(HT40)	5190.00	86.84	0.61
NVNT	ANT1	802.11n(HT40)	5230.00	86.84	0.61
NVNT	ANT1	802.11ac(VHT40)	5190.00	87.18	0.60
NVNT	ANT1	802.11ac(VHT40)	5230.00	86.84	0.61
NVNT	ANT1	802.11ac(VHT80)	5210.00	76.19	1.18

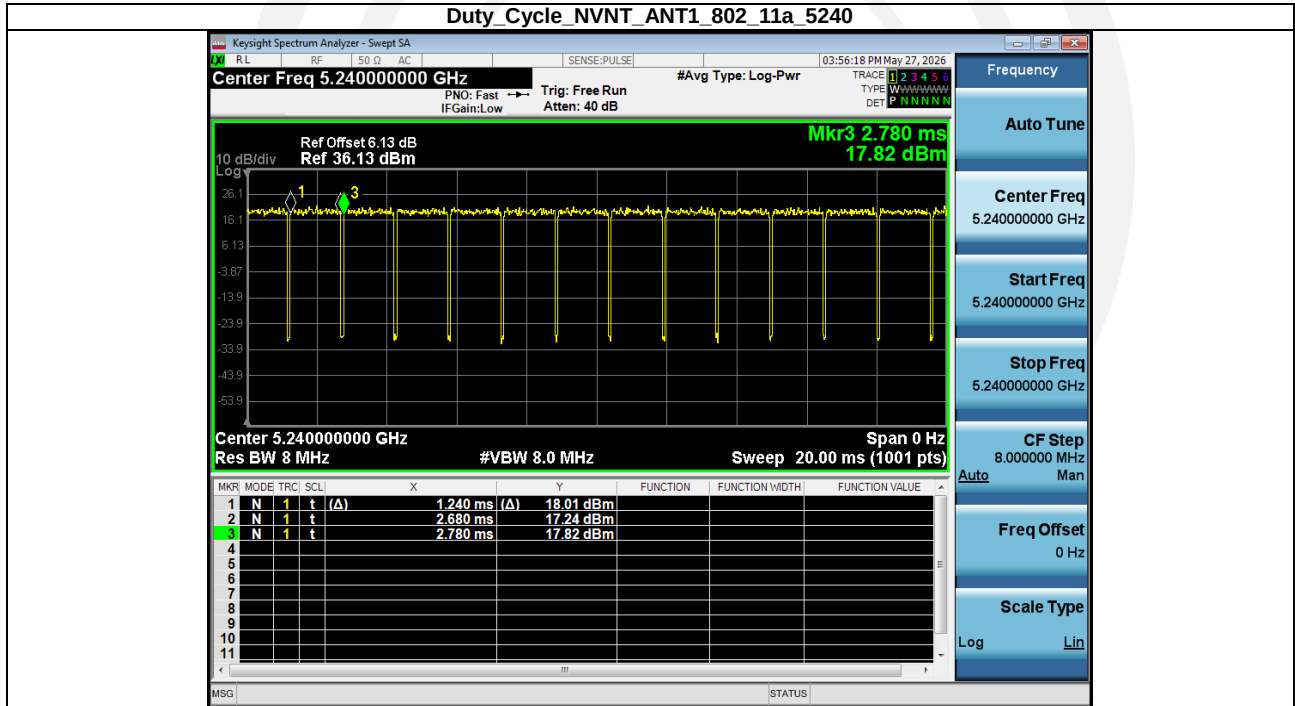
Duty Cycle NVNT_ANT1_802_11a_5180



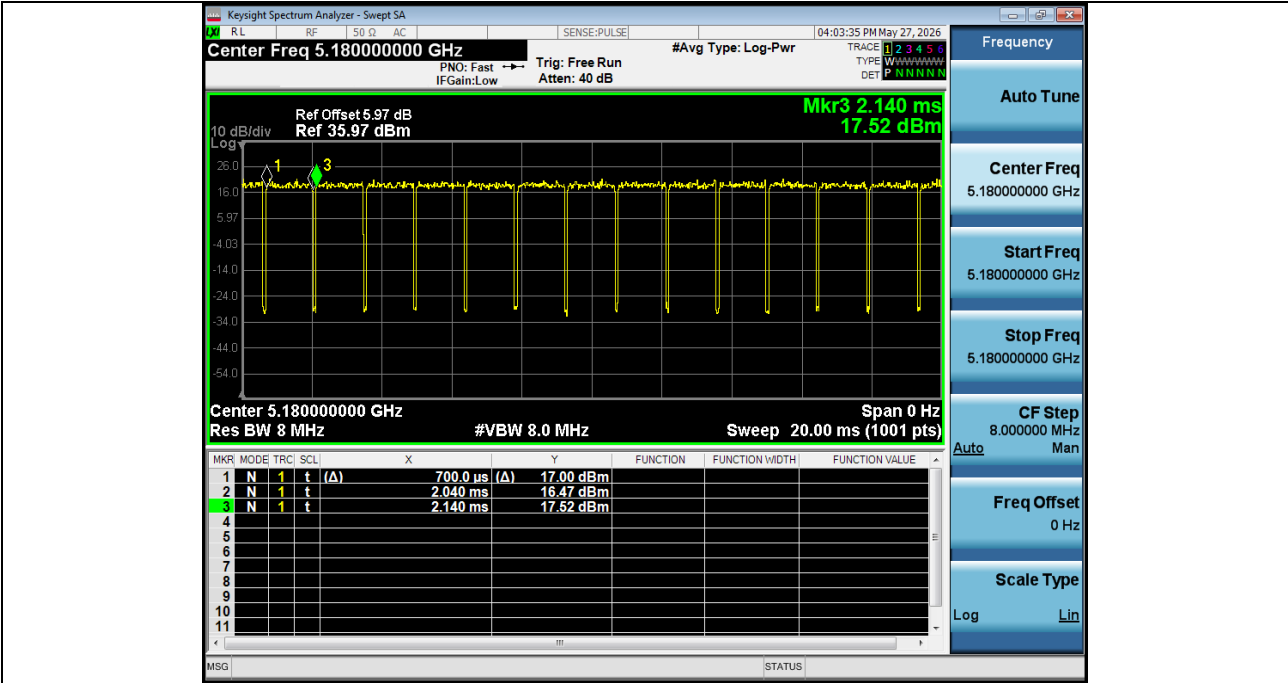
Duty Cycle NVNT_ANT1_802_11a_5200



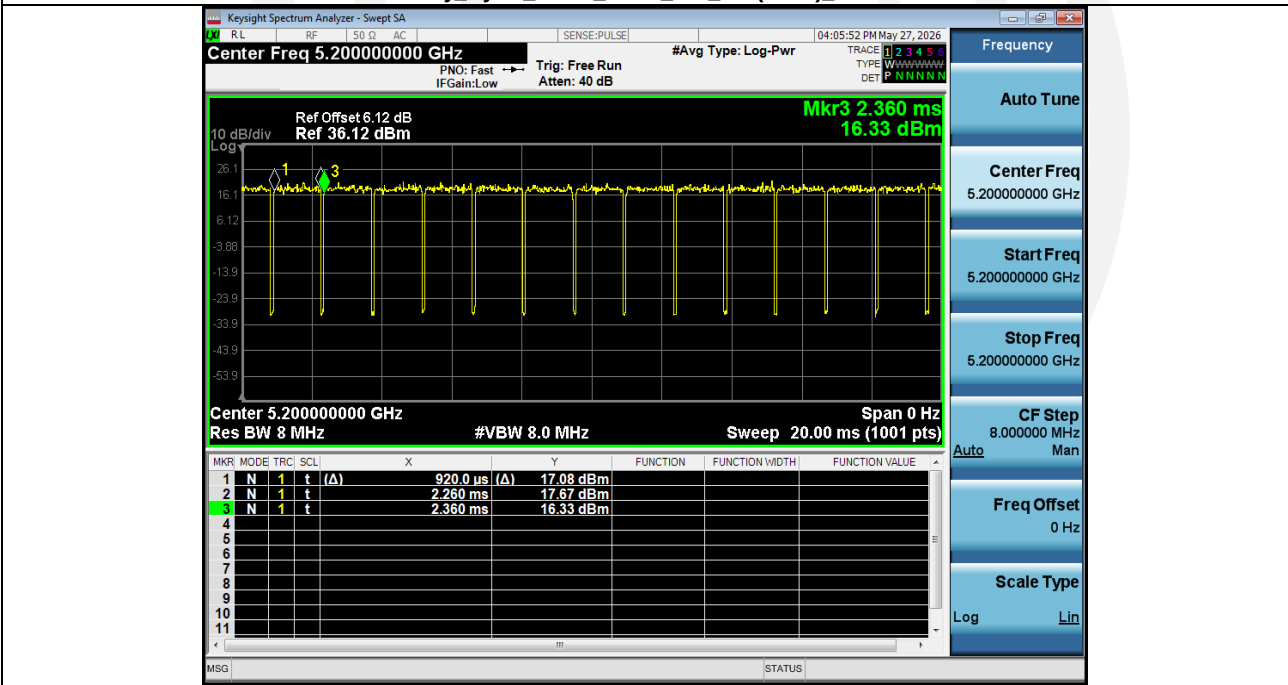
Duty Cycle NVNT_ANT1_802_11a_5240



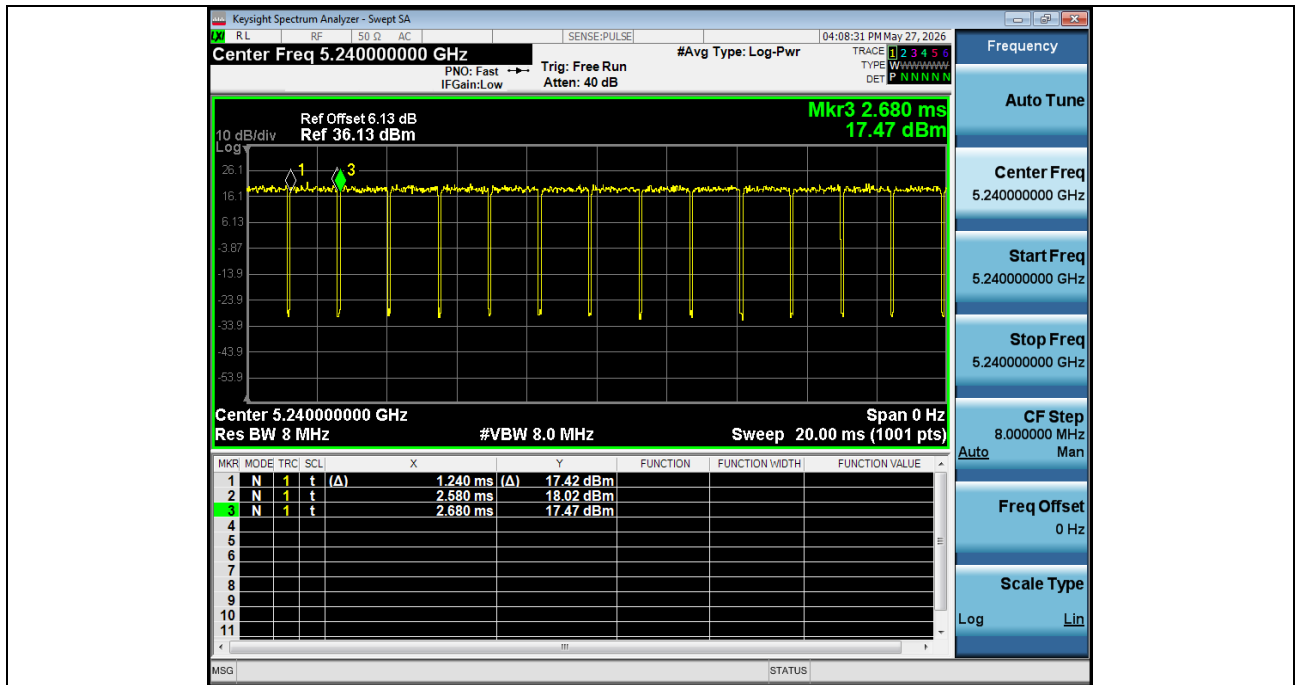
Duty Cycle NVNT_ANT1_802_11n(HT20)_5180



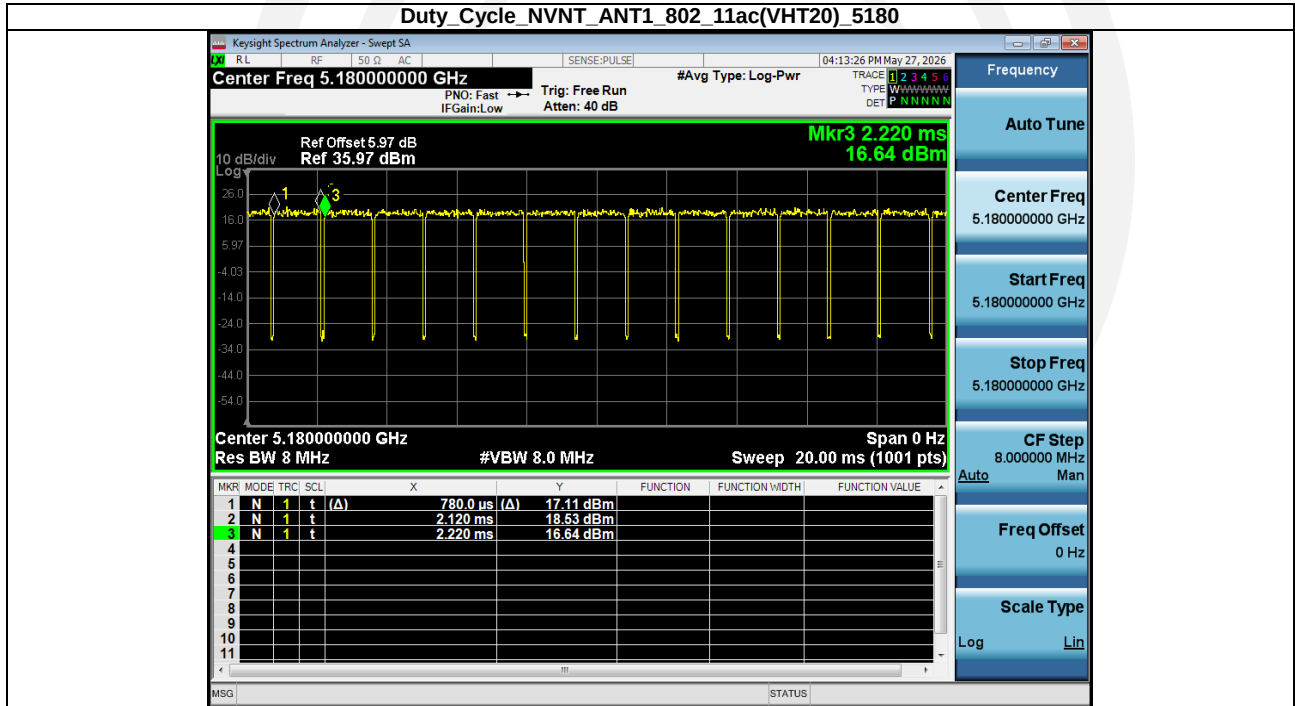
Duty Cycle_NVNT_ANT1_802_11n(HT20)_5200



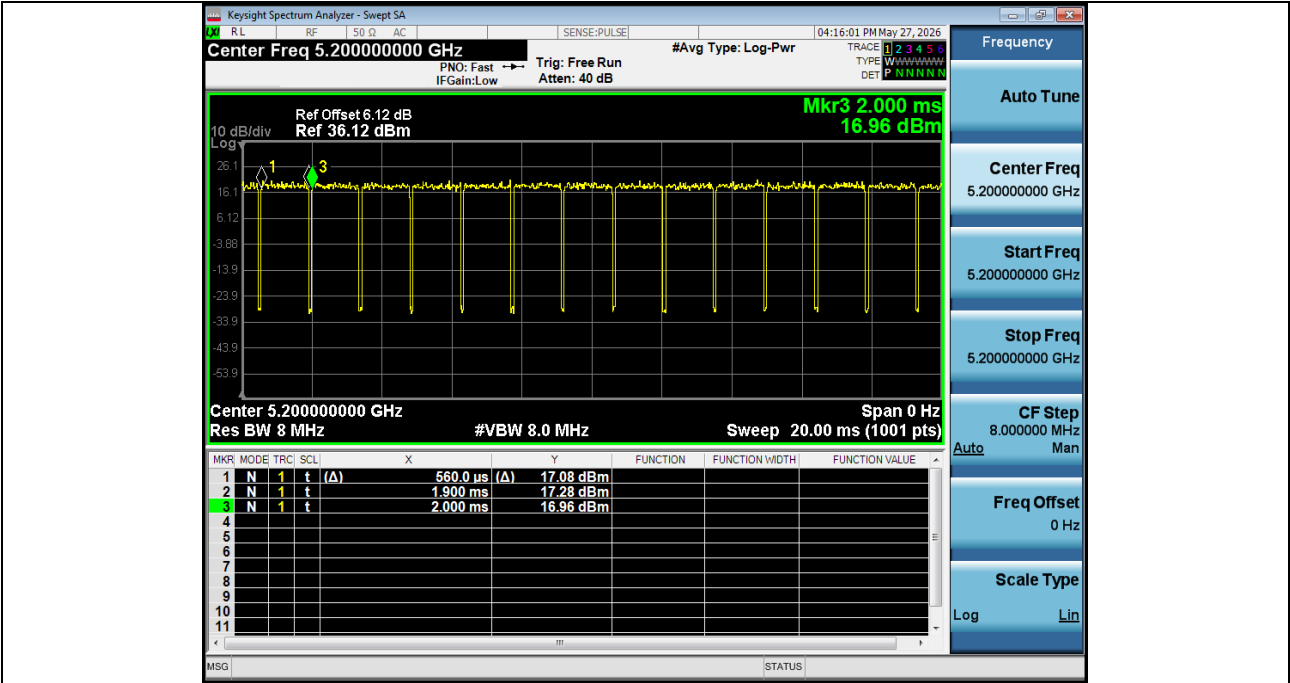
Duty Cycle_NVNT_ANT1_802_11n(HT20)_5240



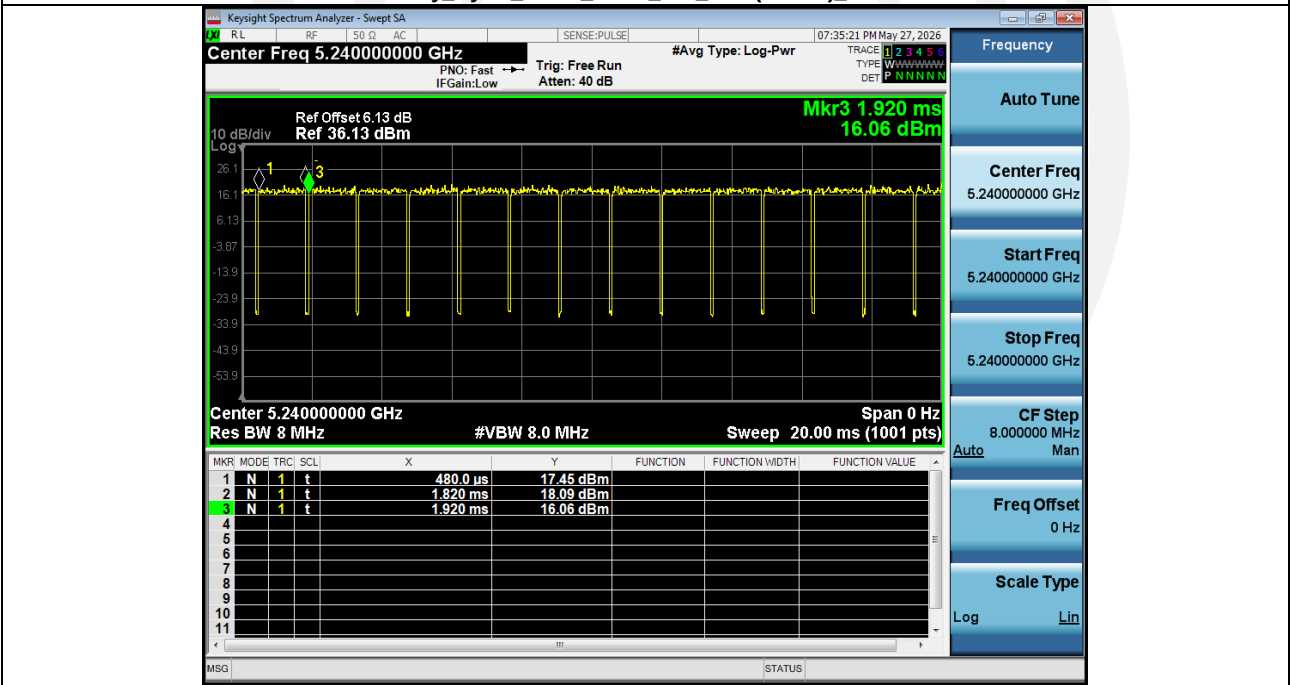
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5180



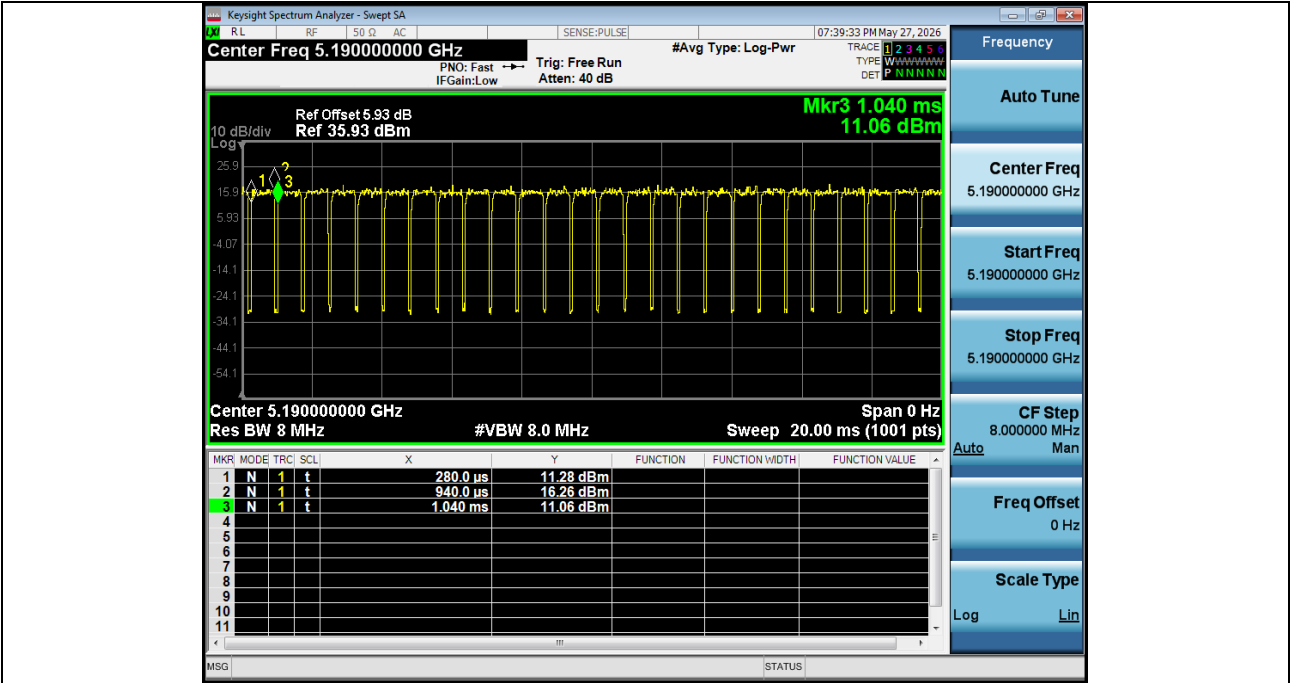
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5200



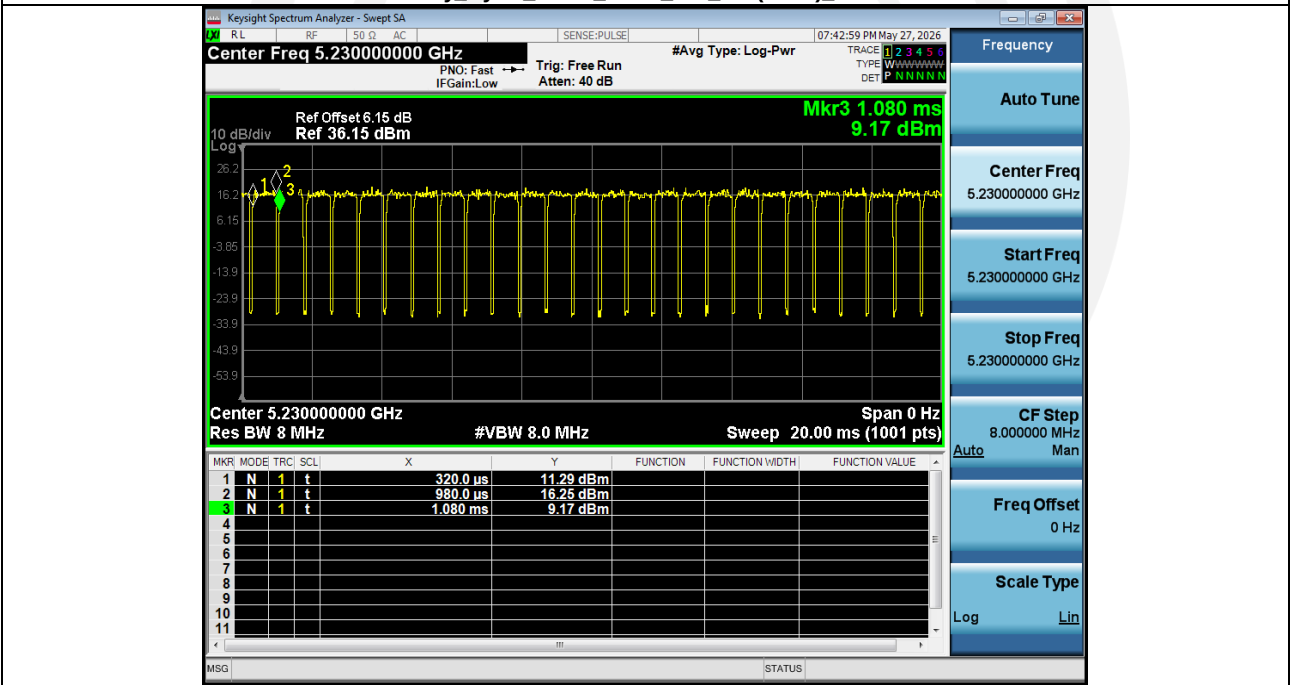
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5240



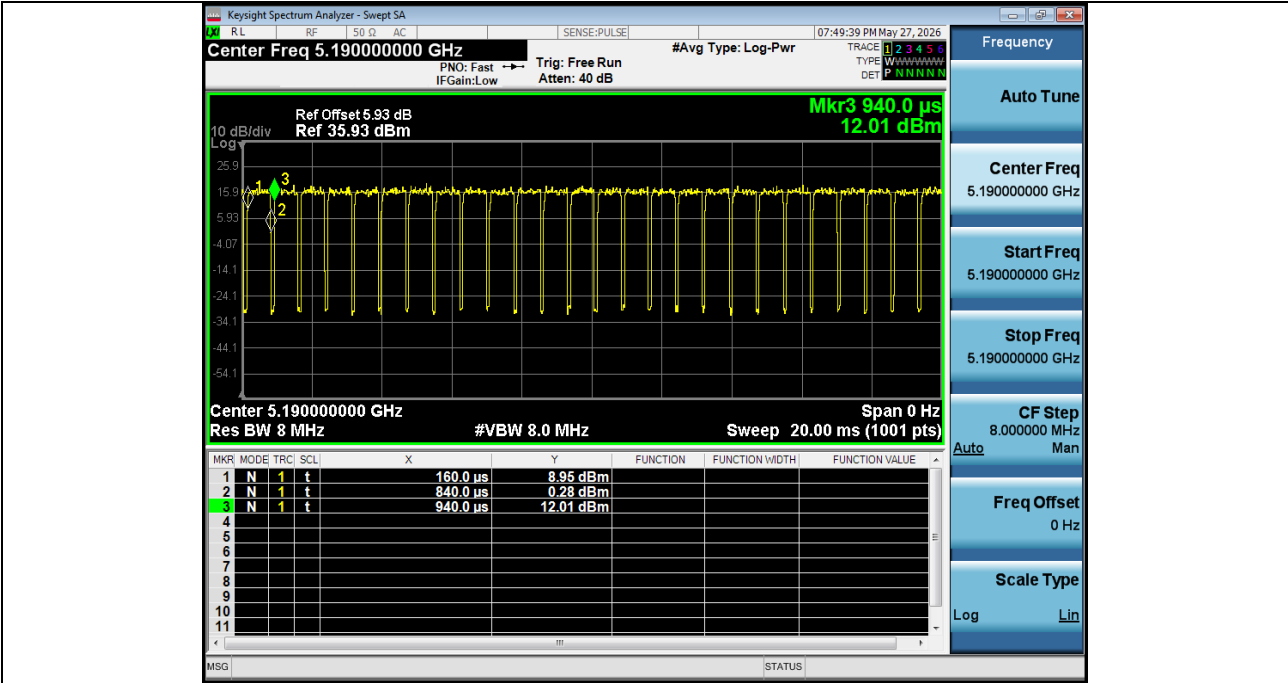
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5190



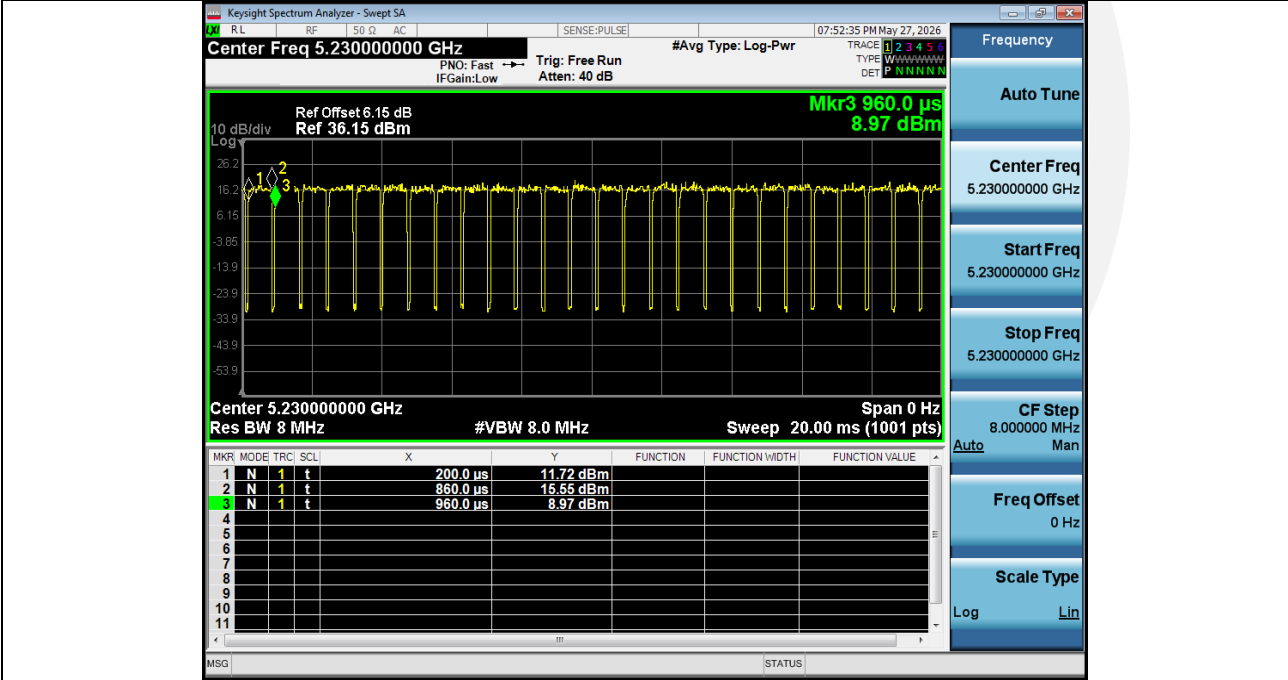
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5230



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5190



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5230



Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5210

