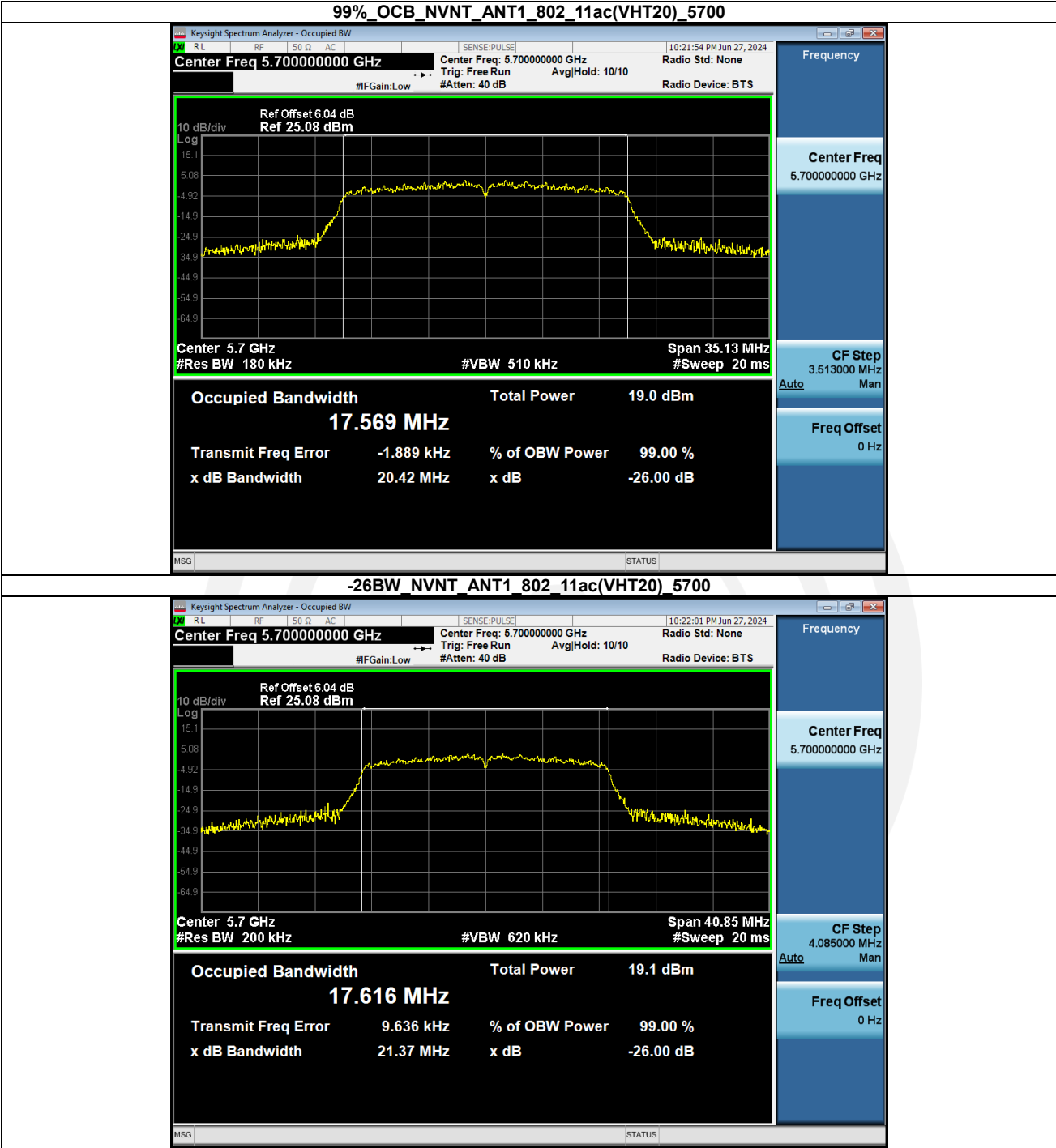
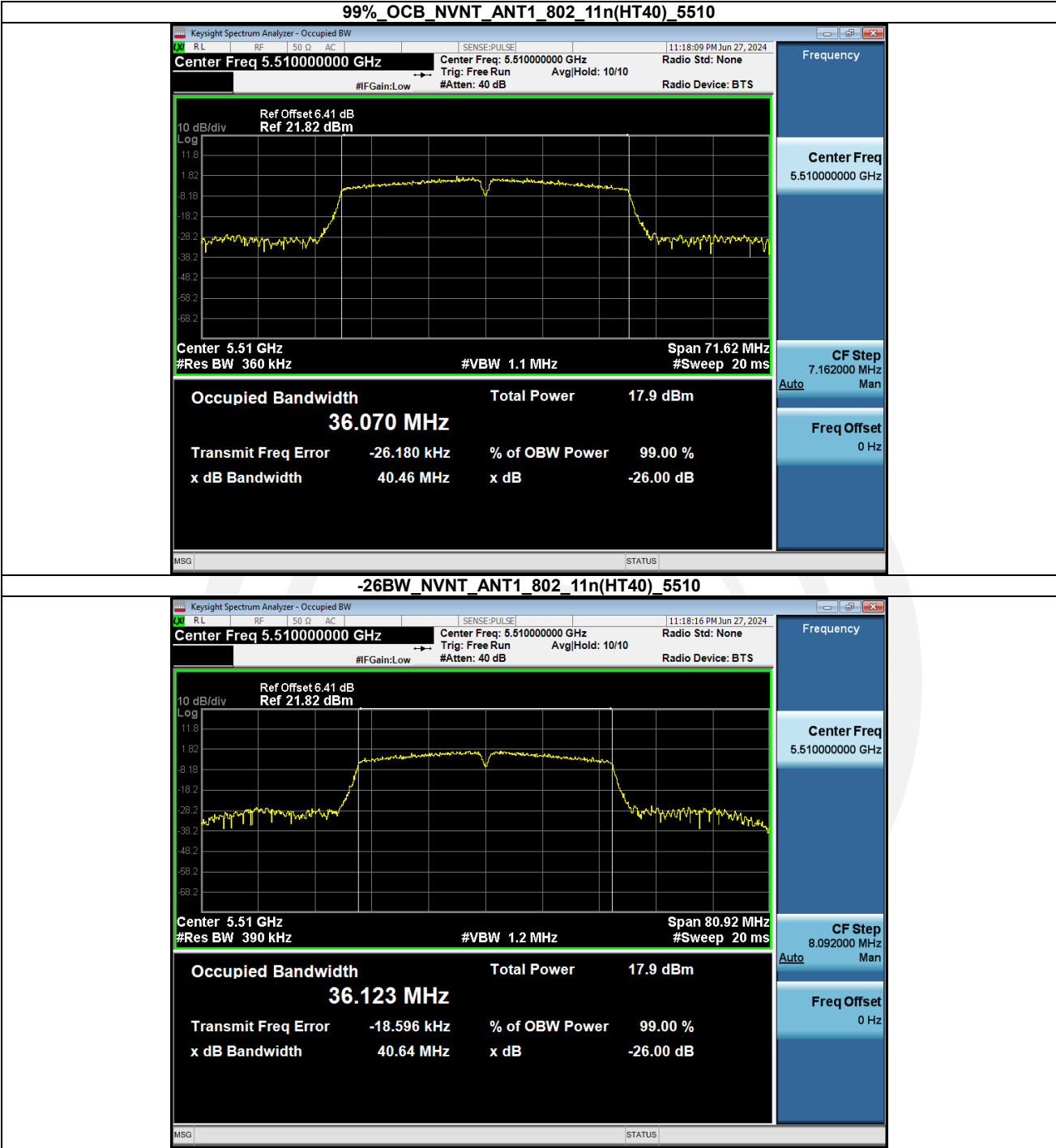
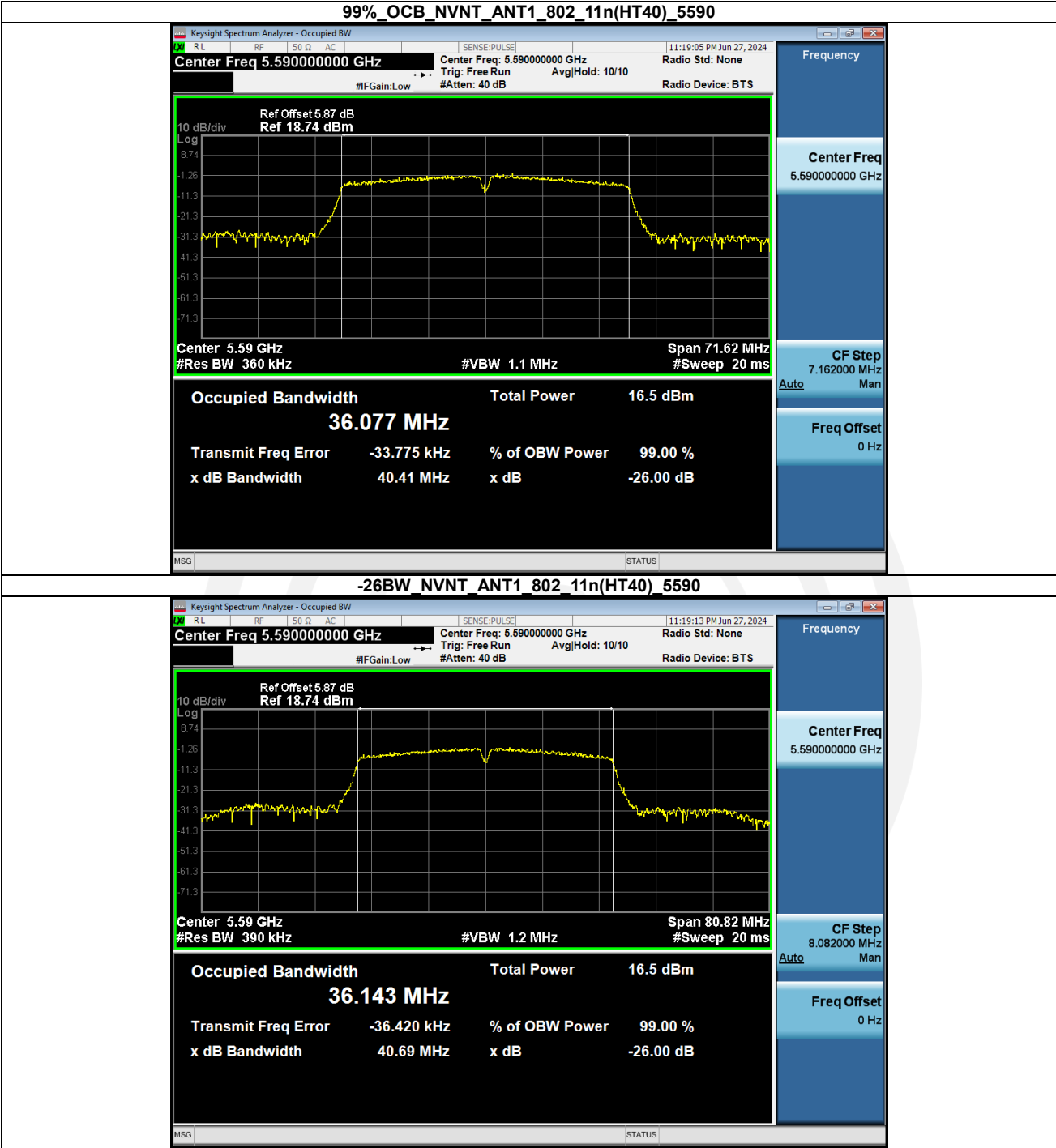
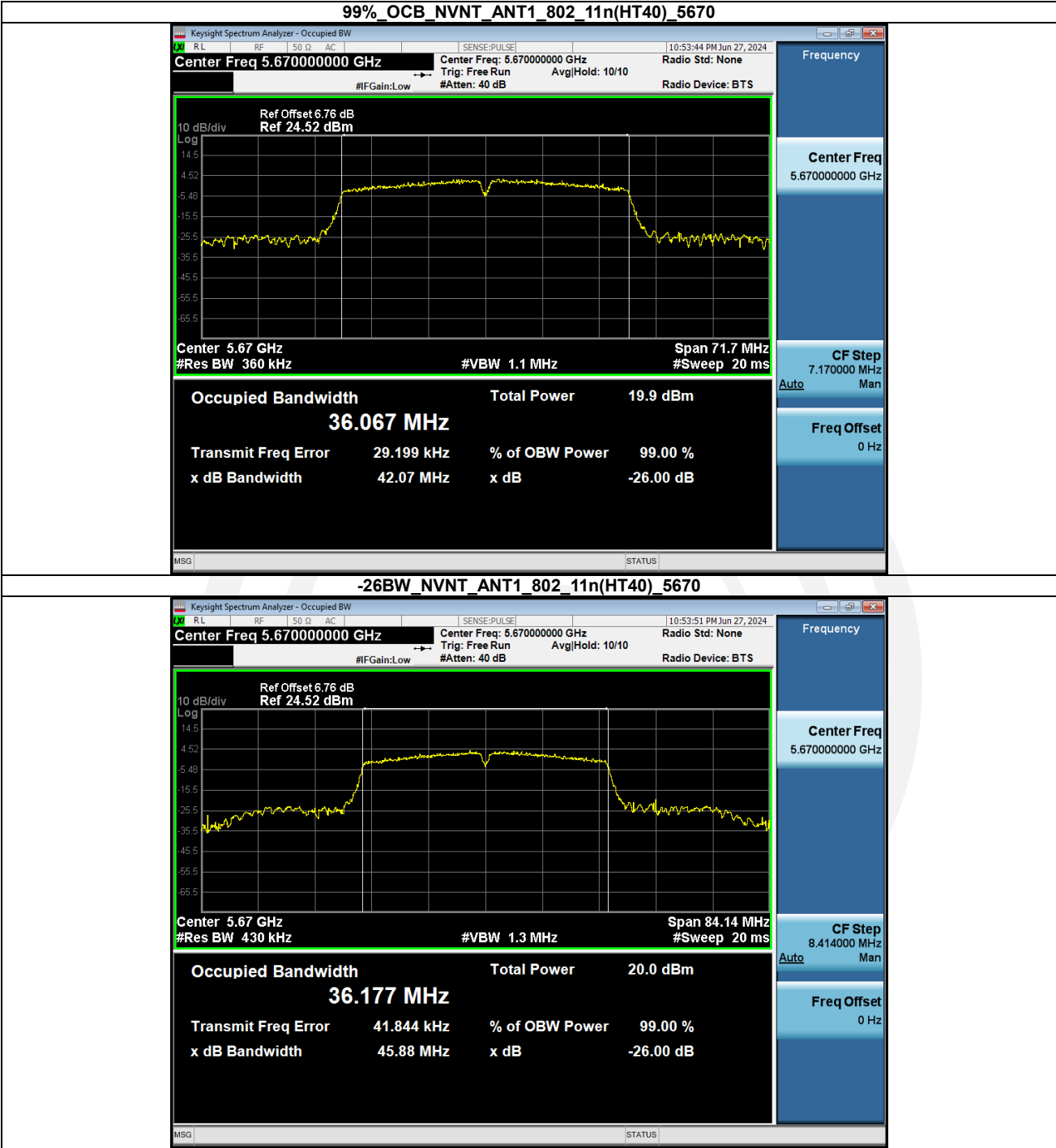
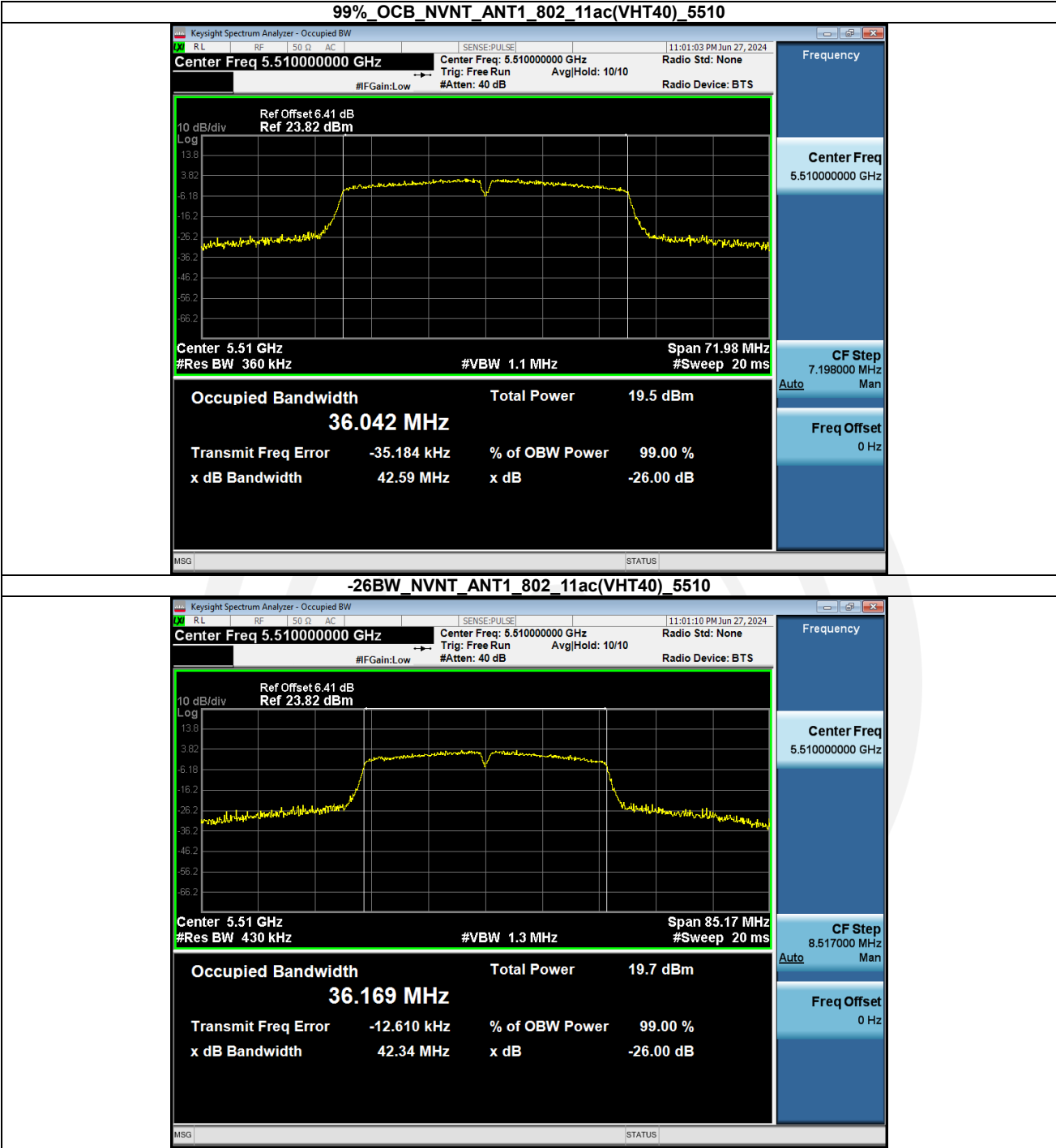


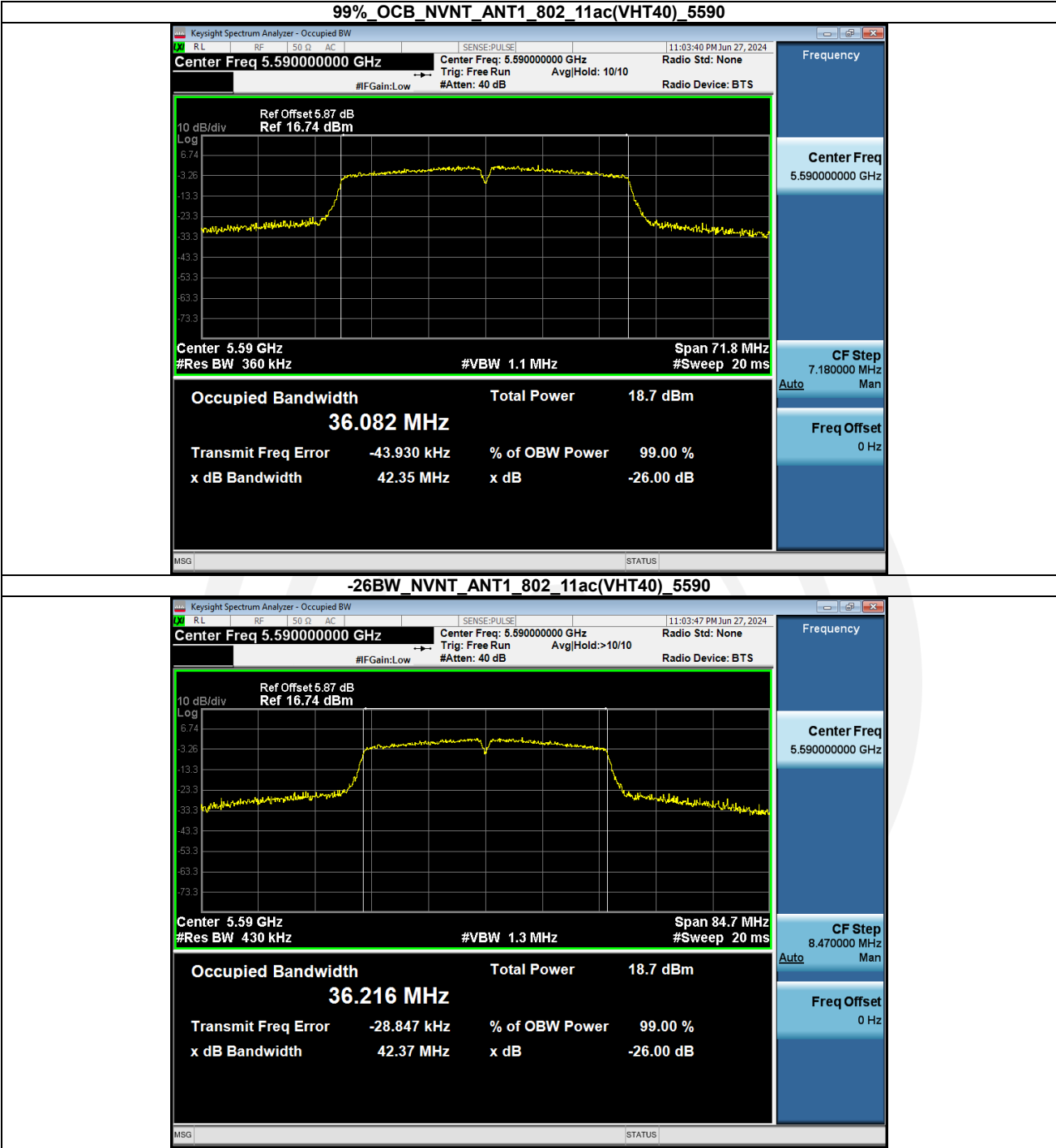


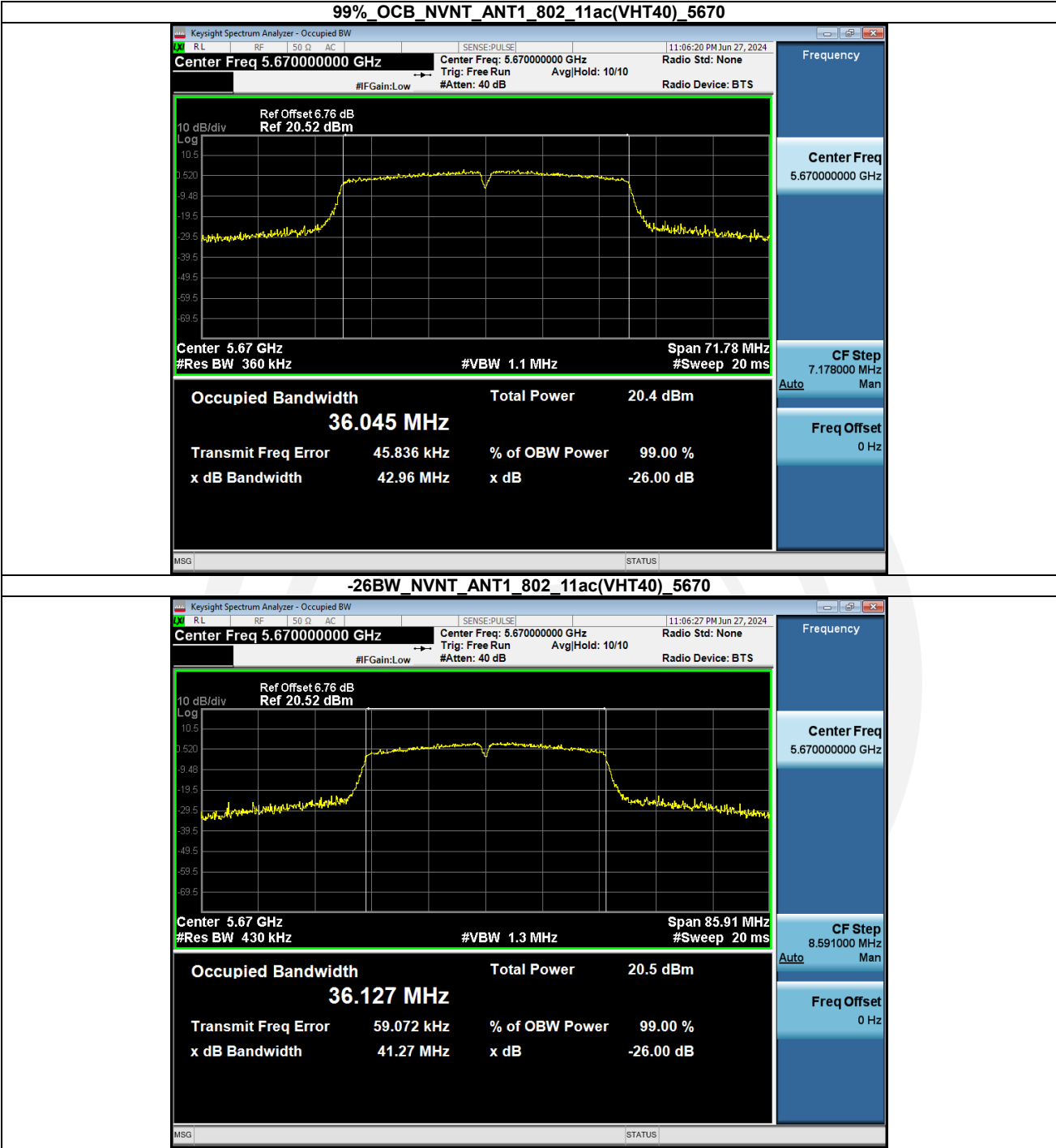


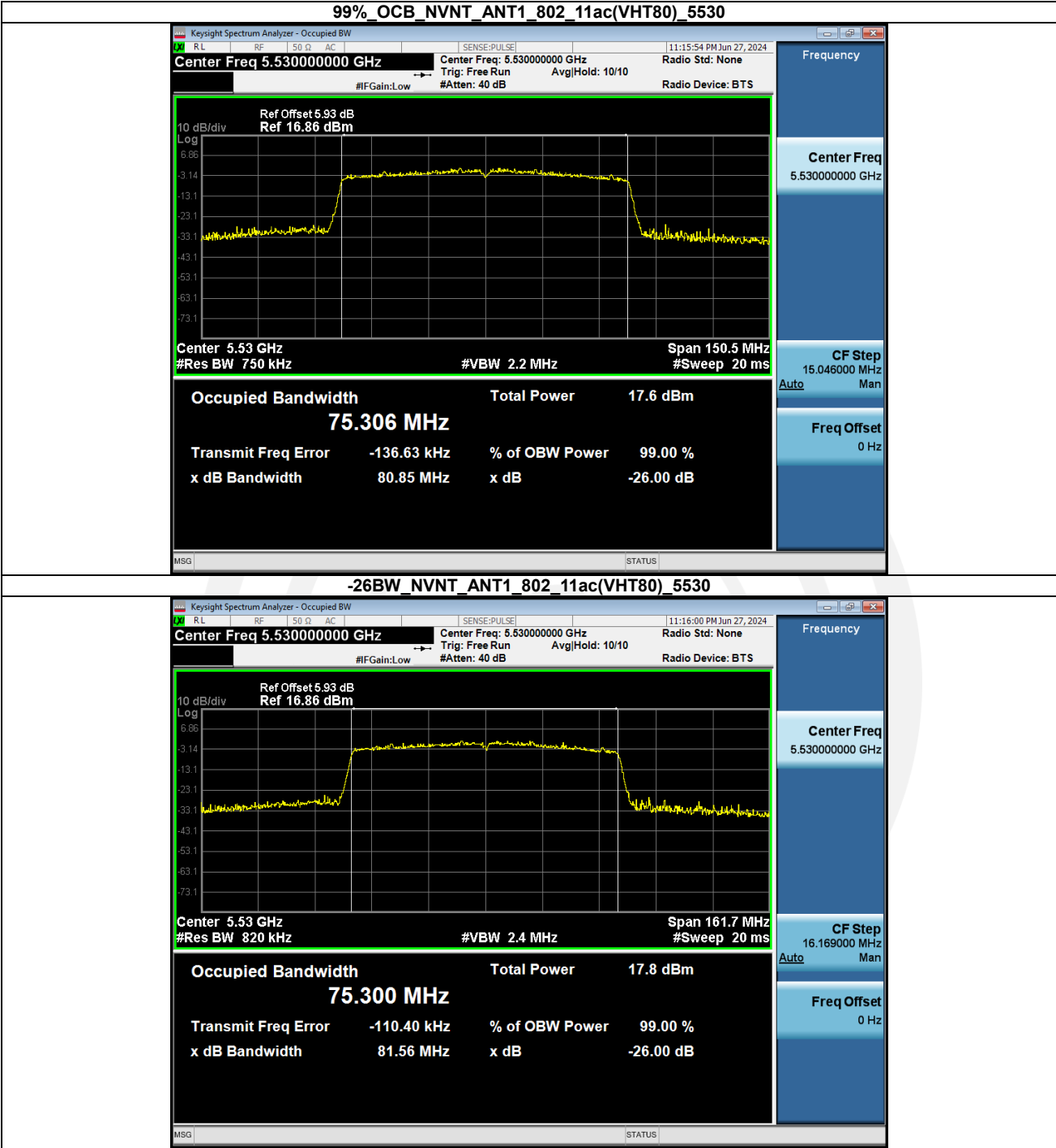


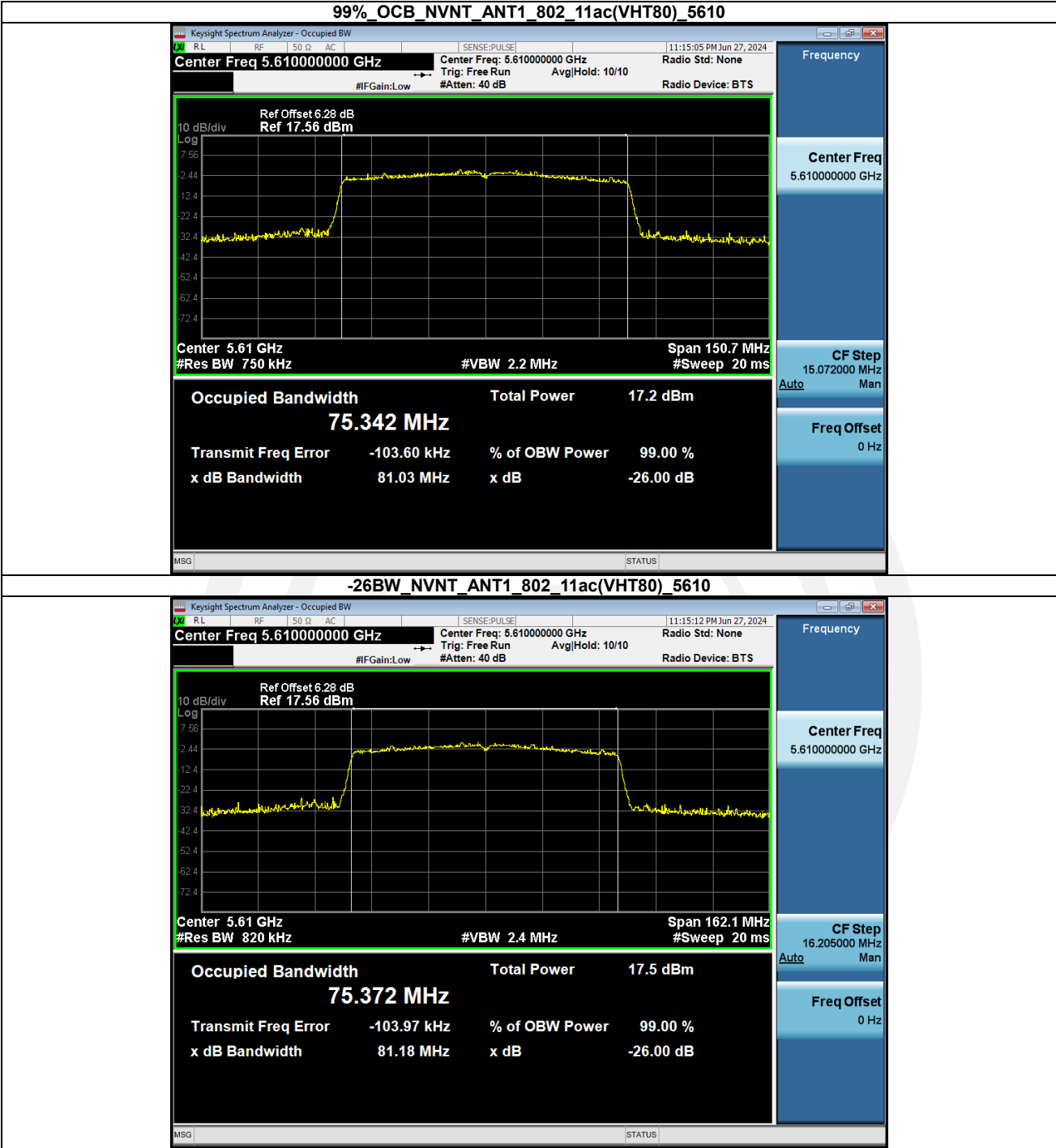


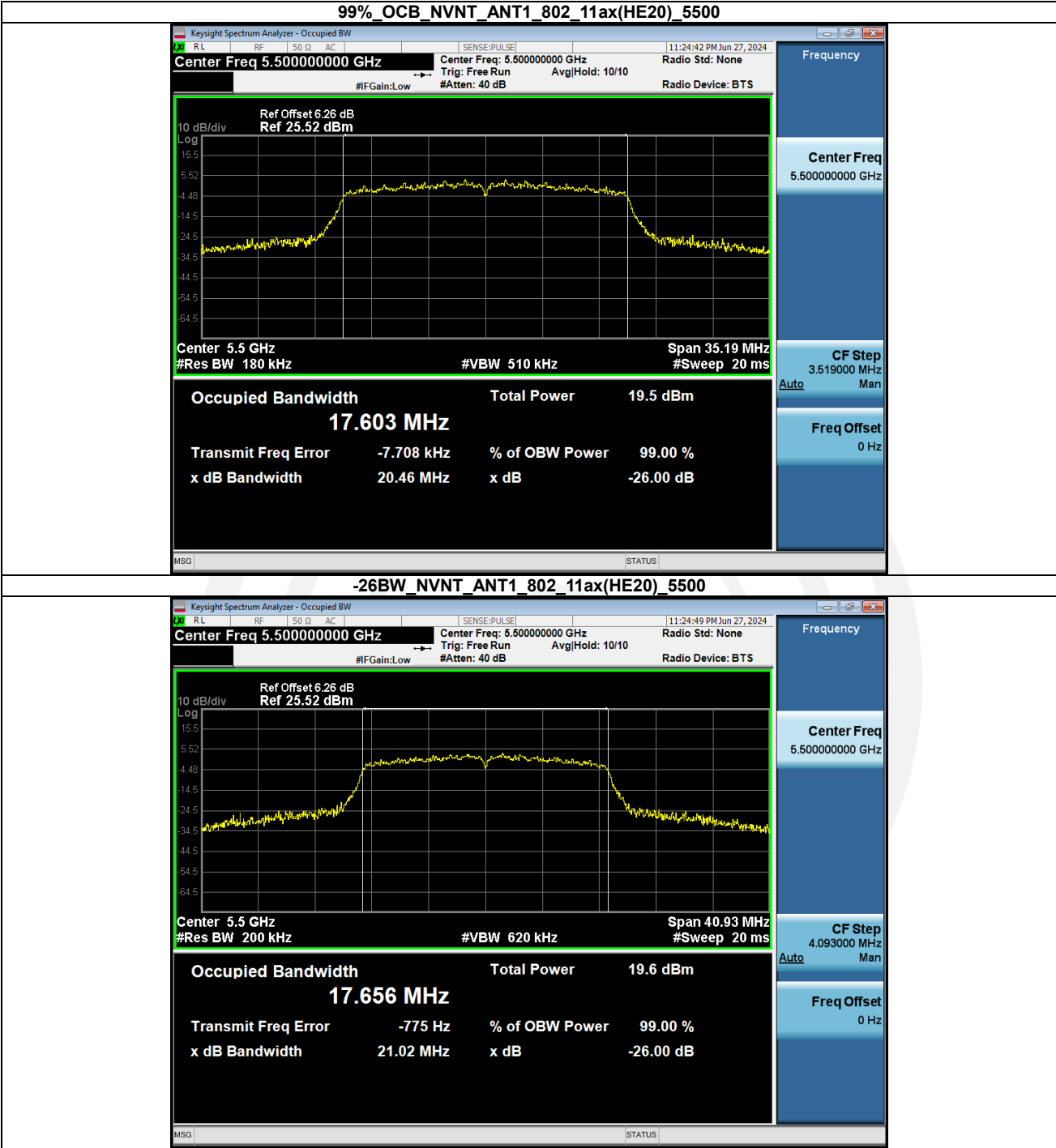


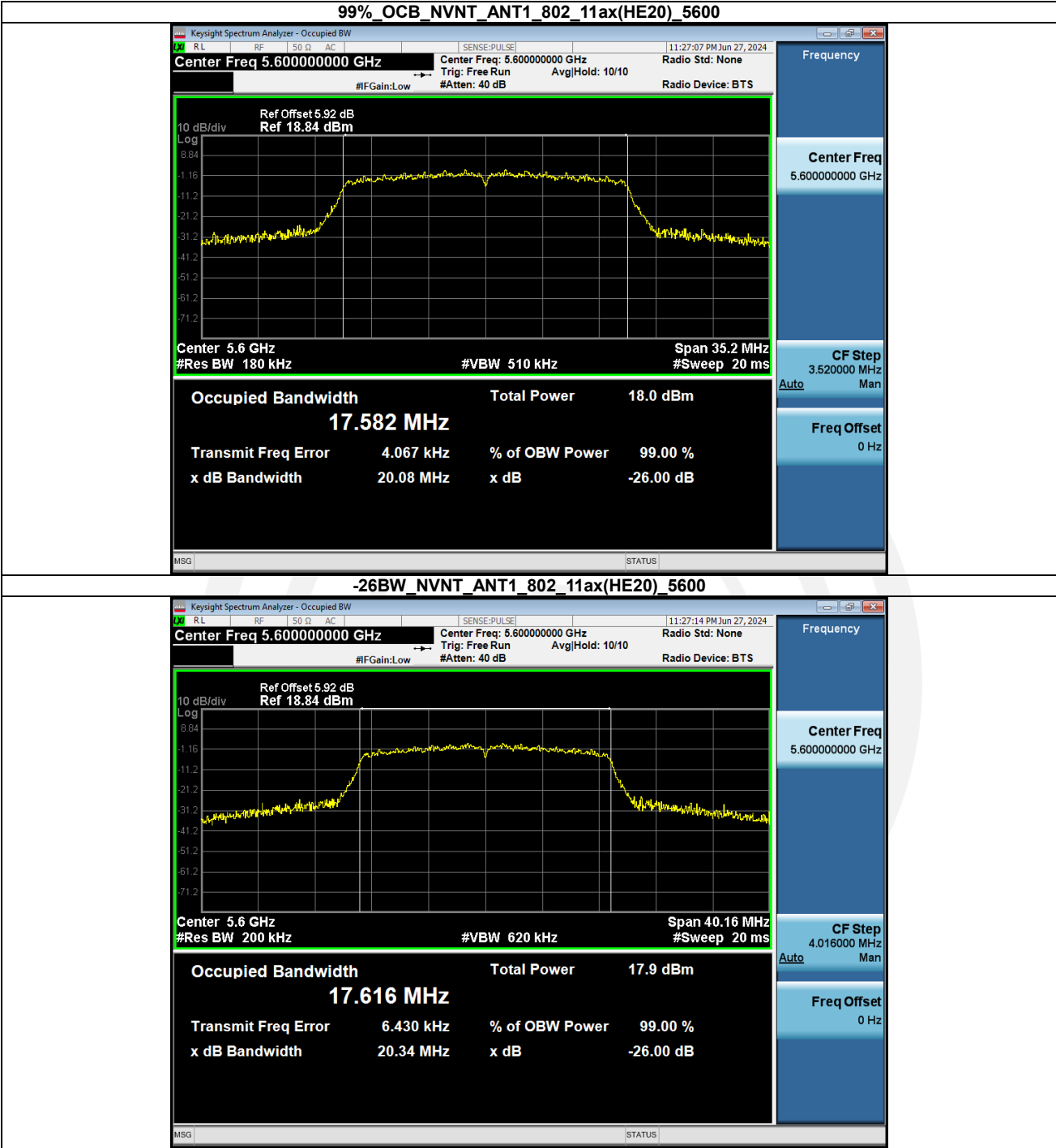


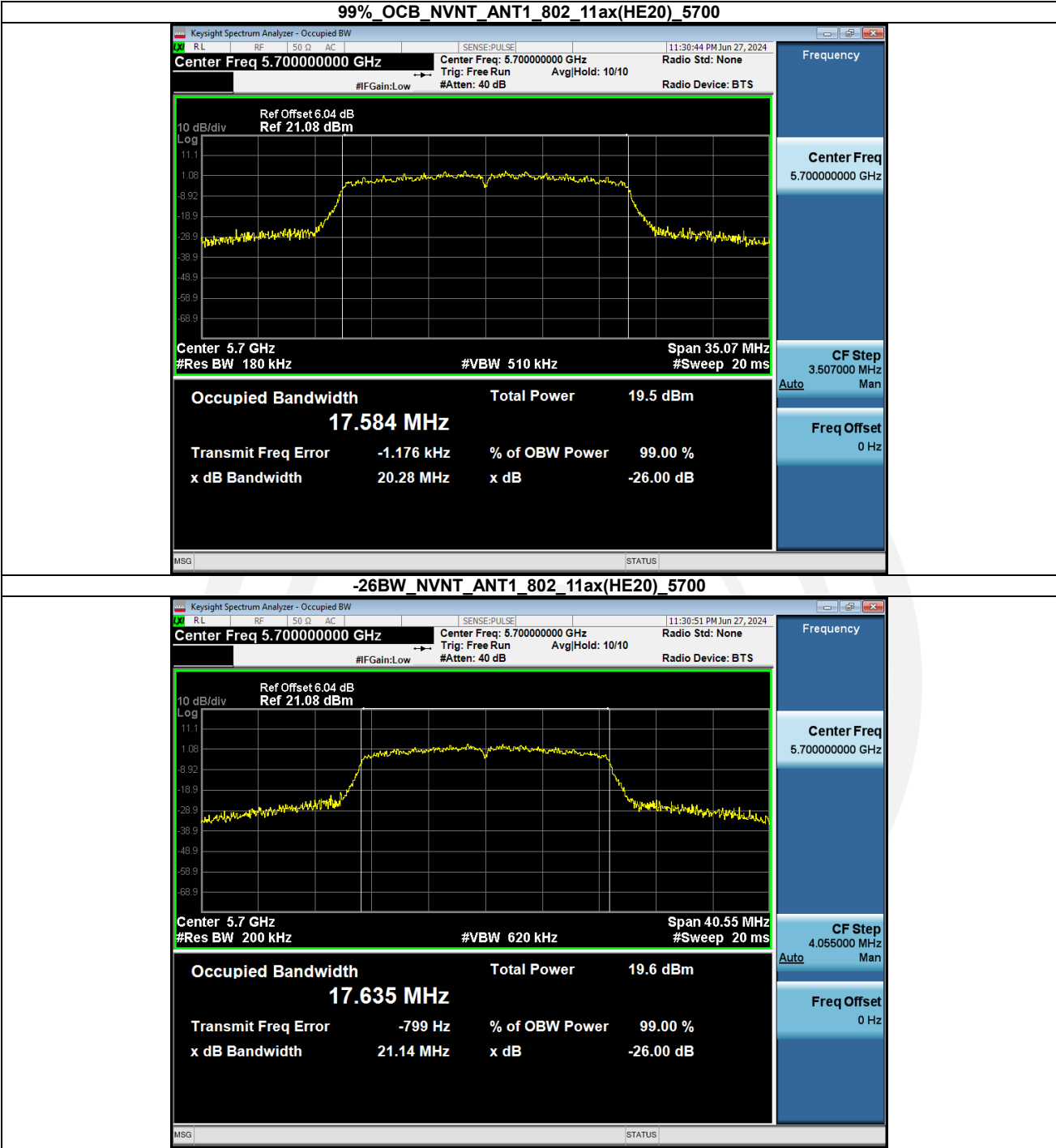


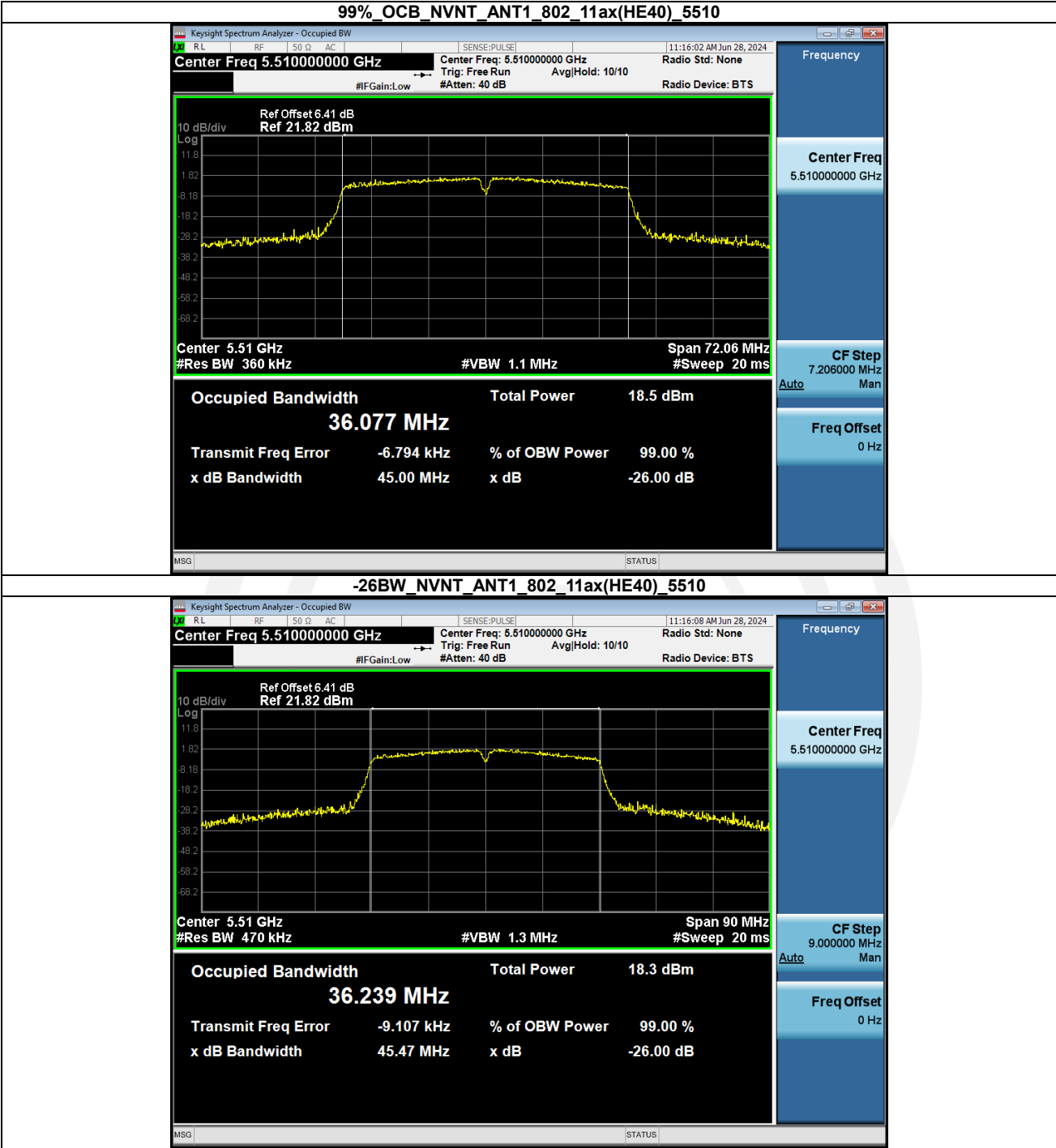


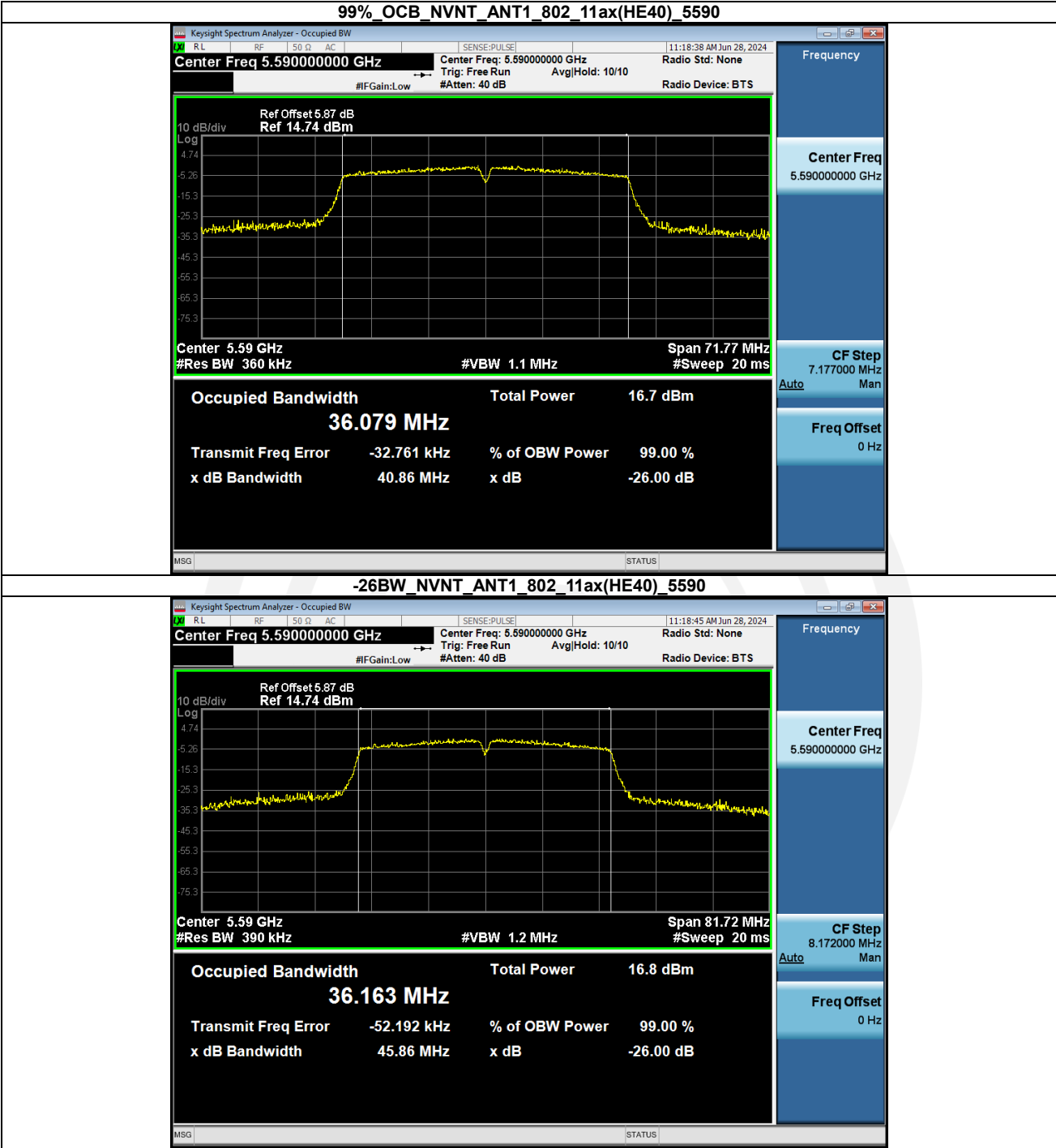


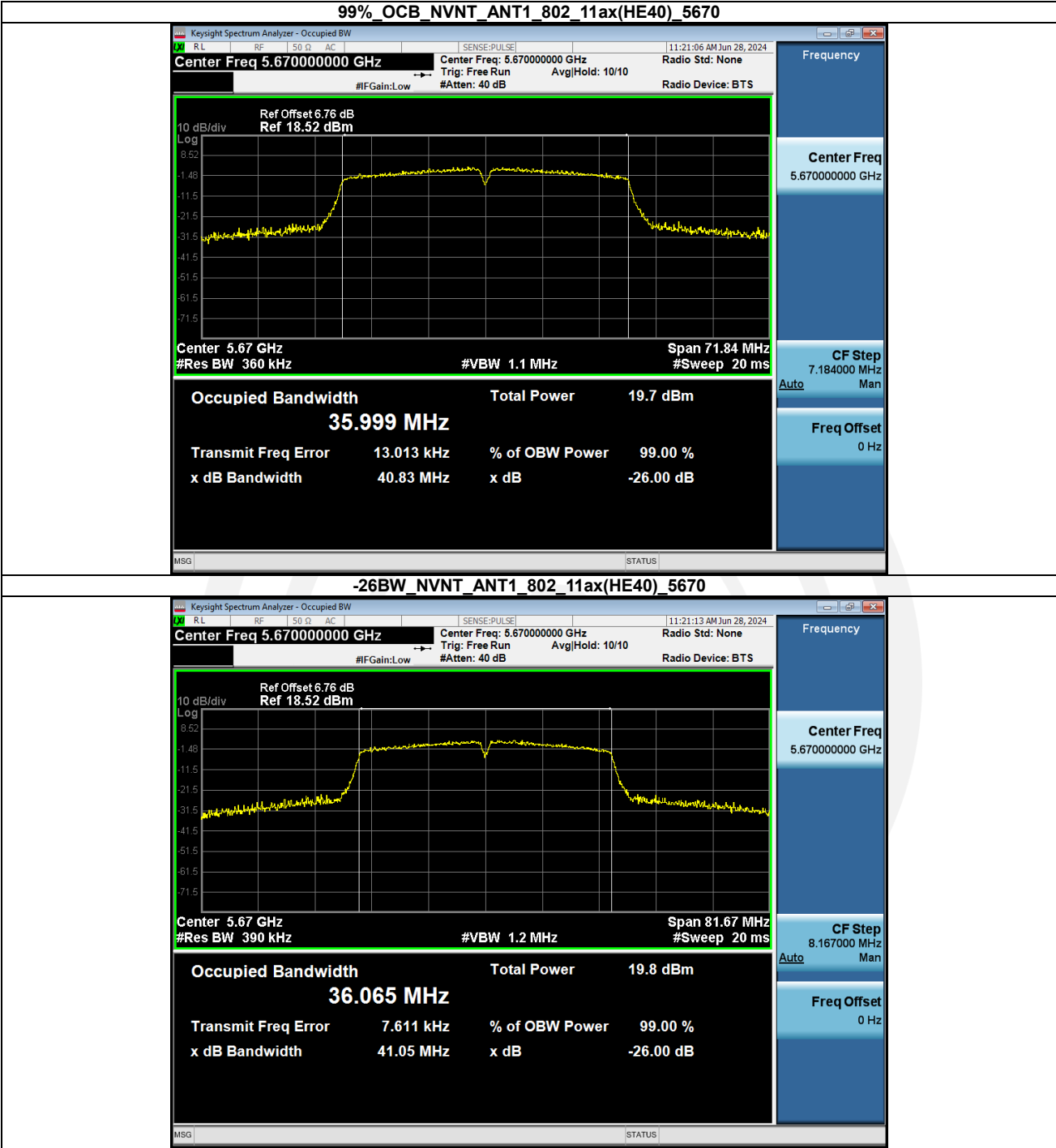


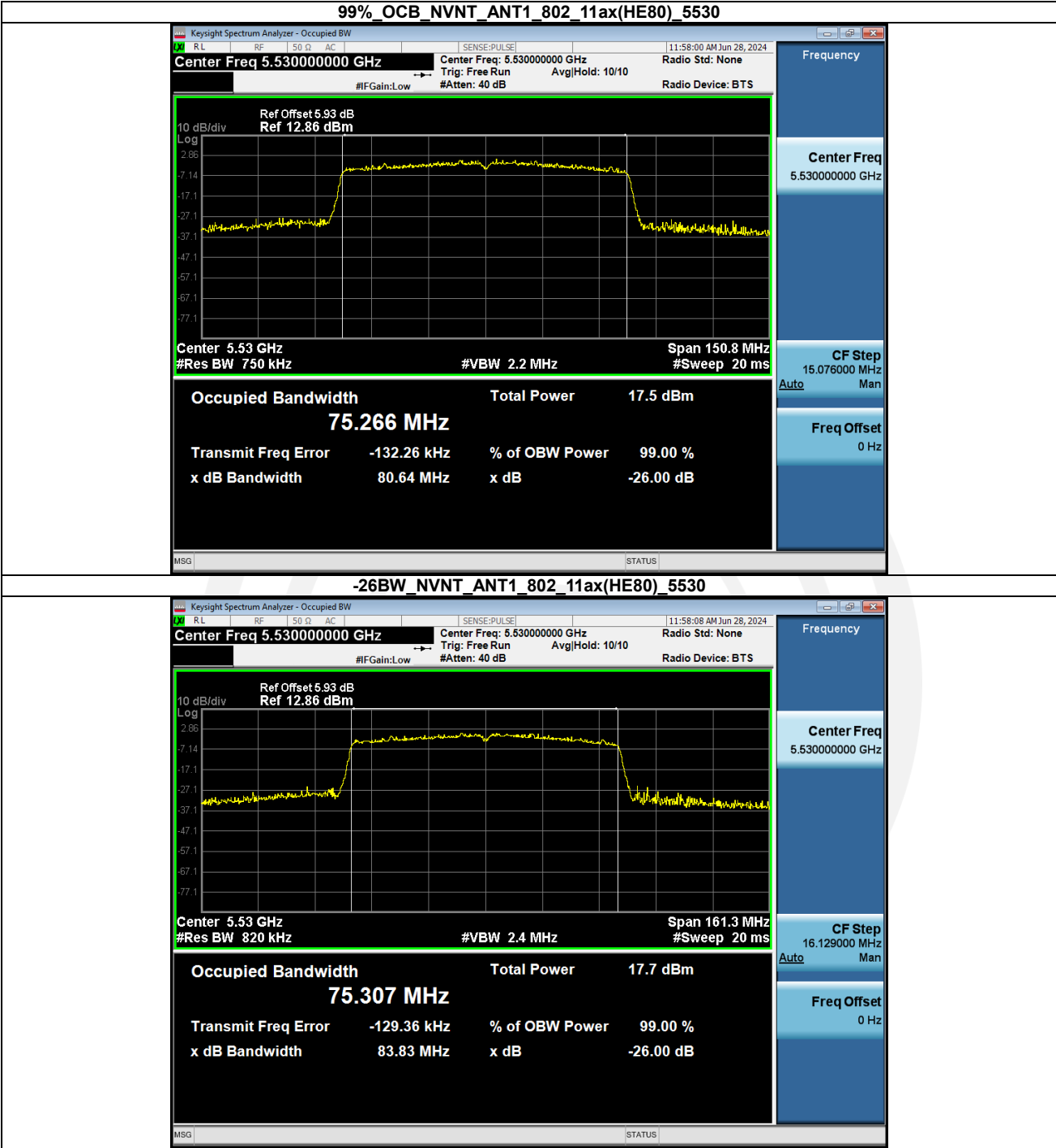


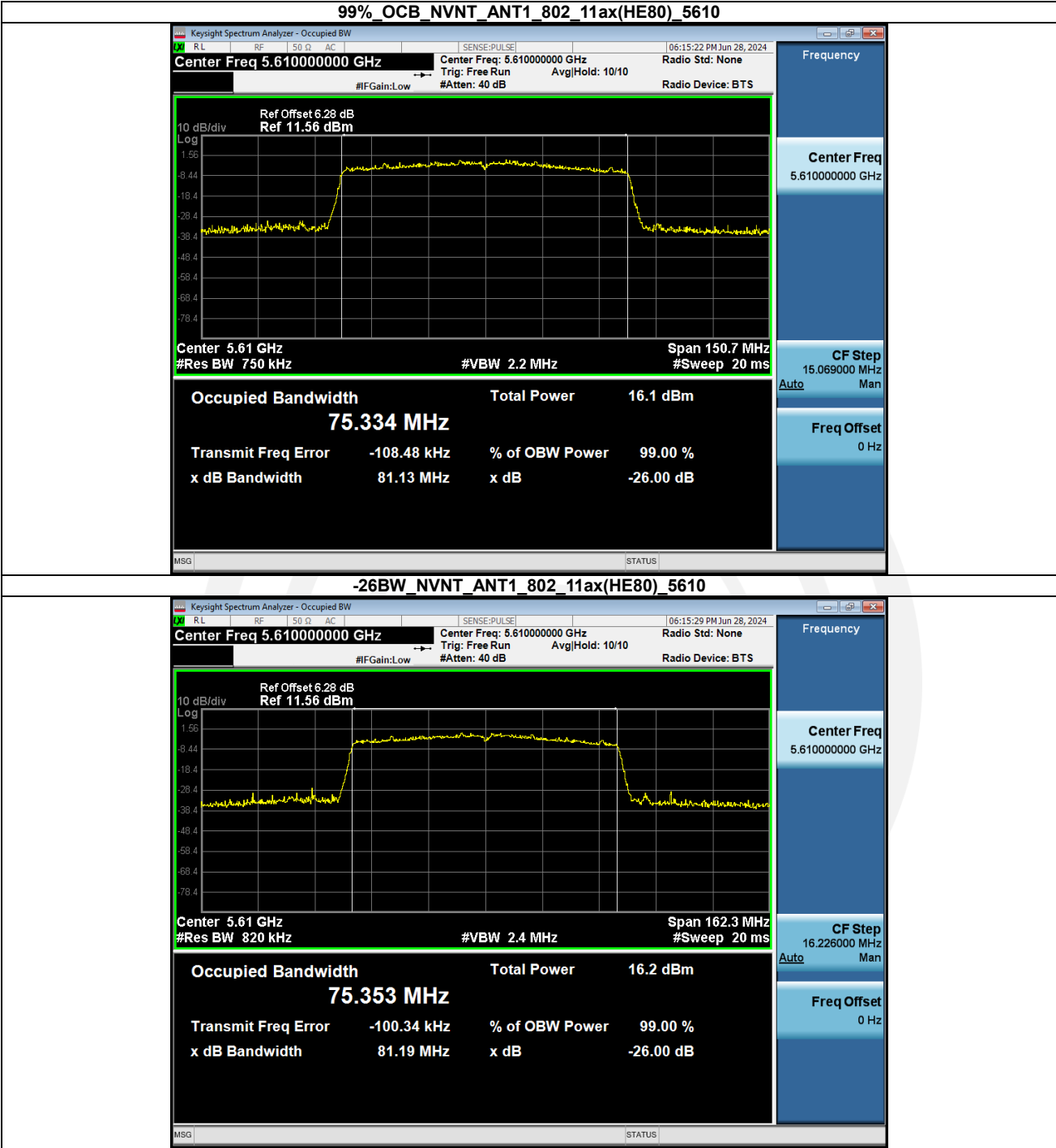






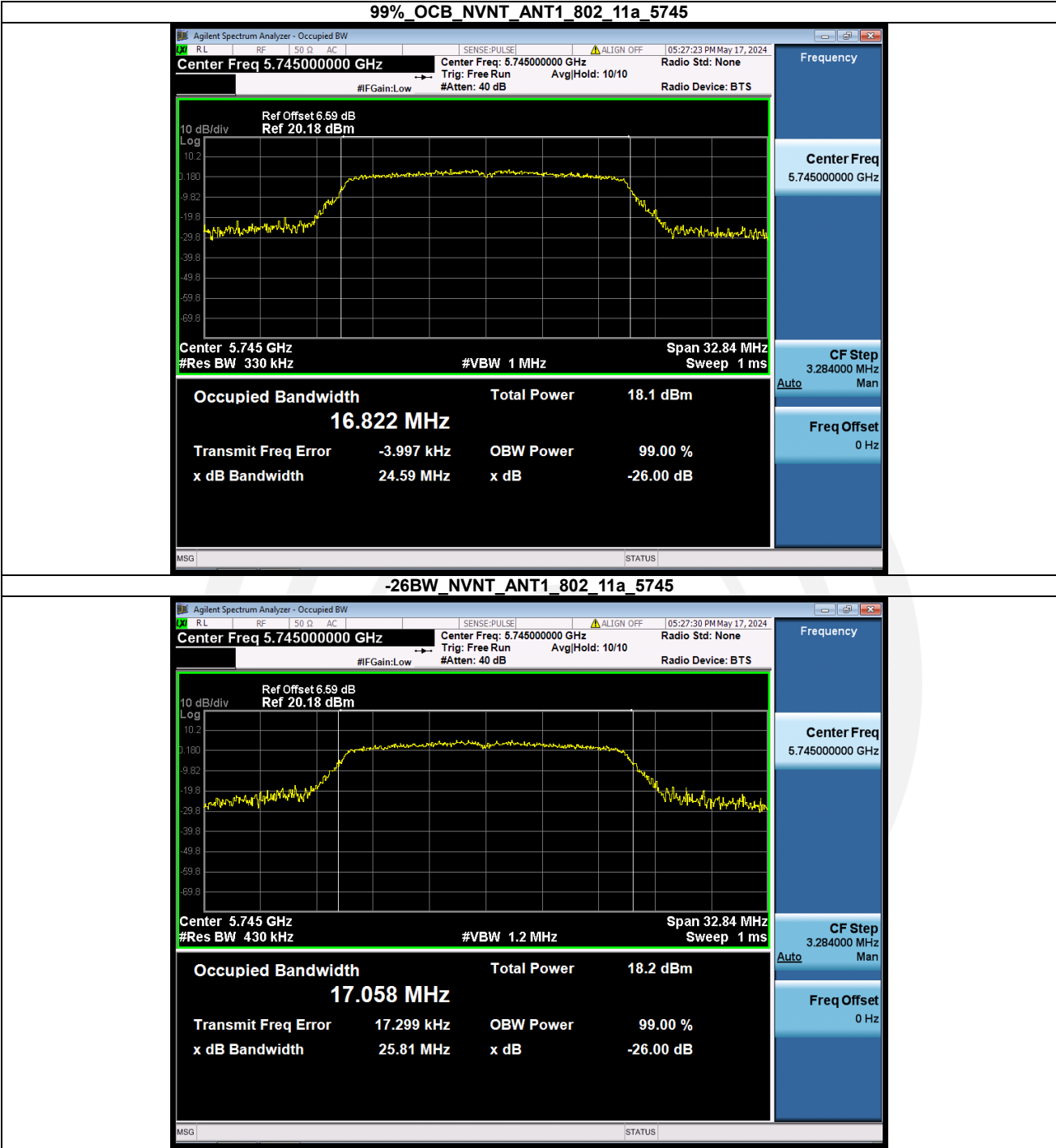


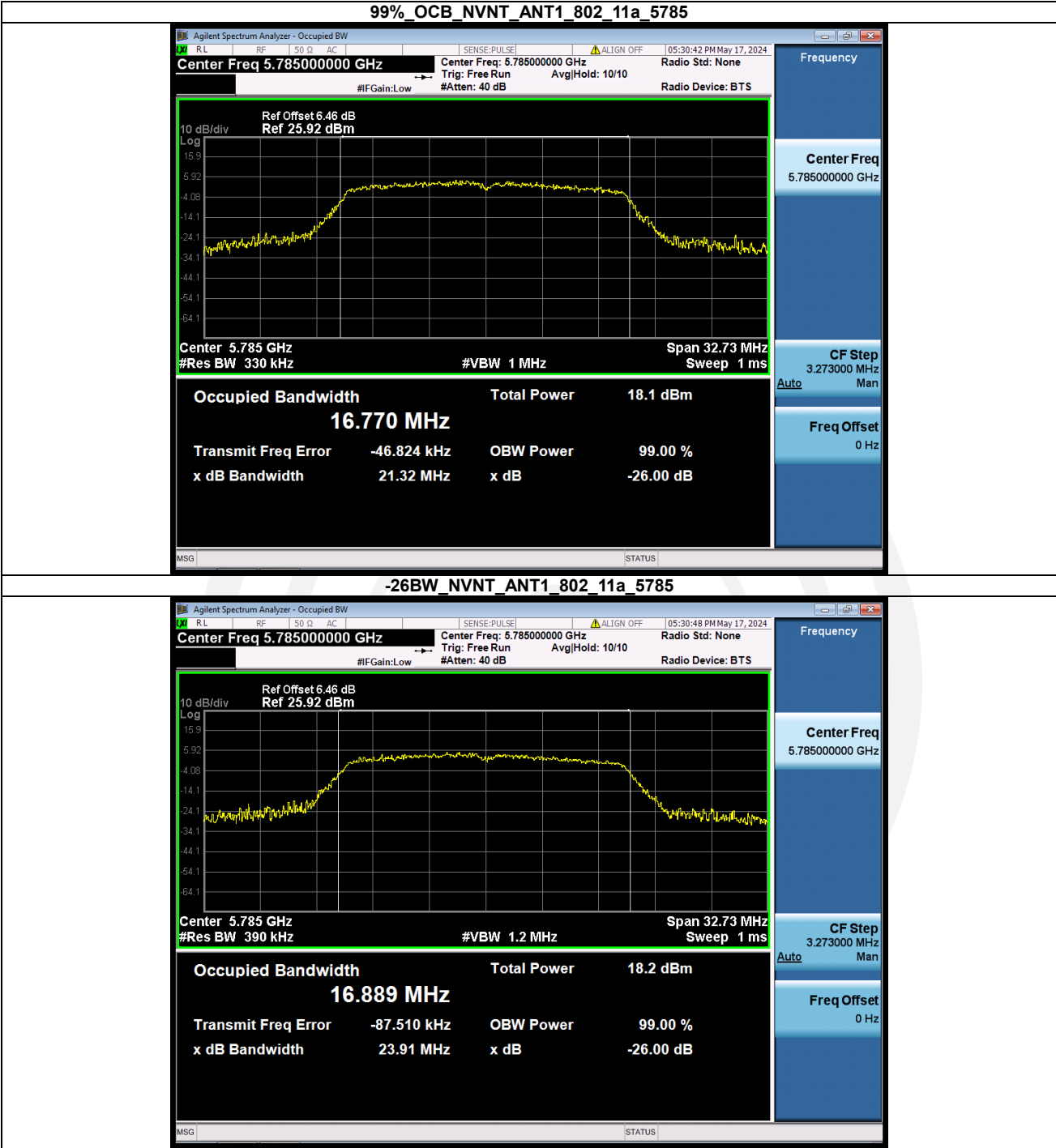


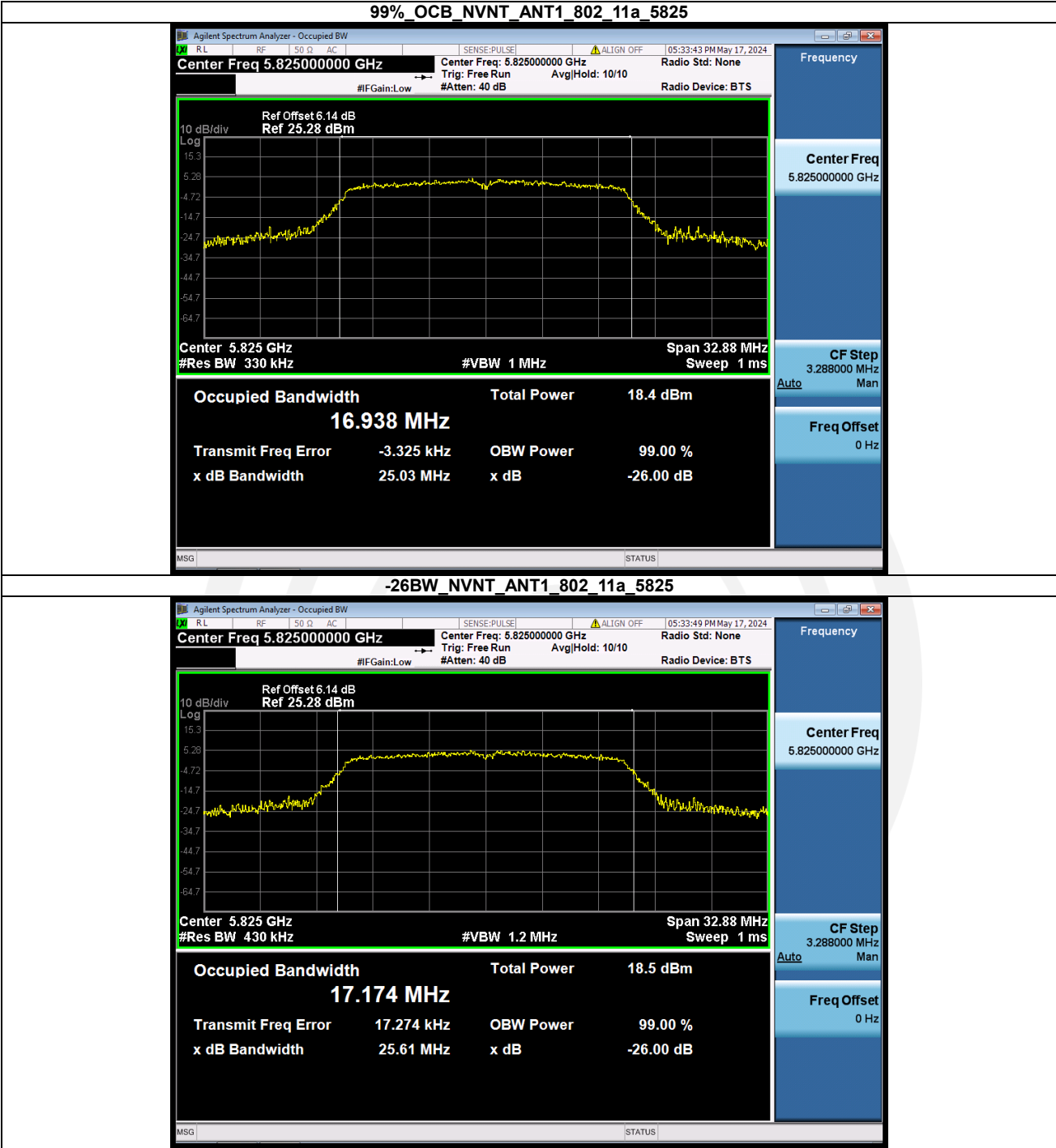


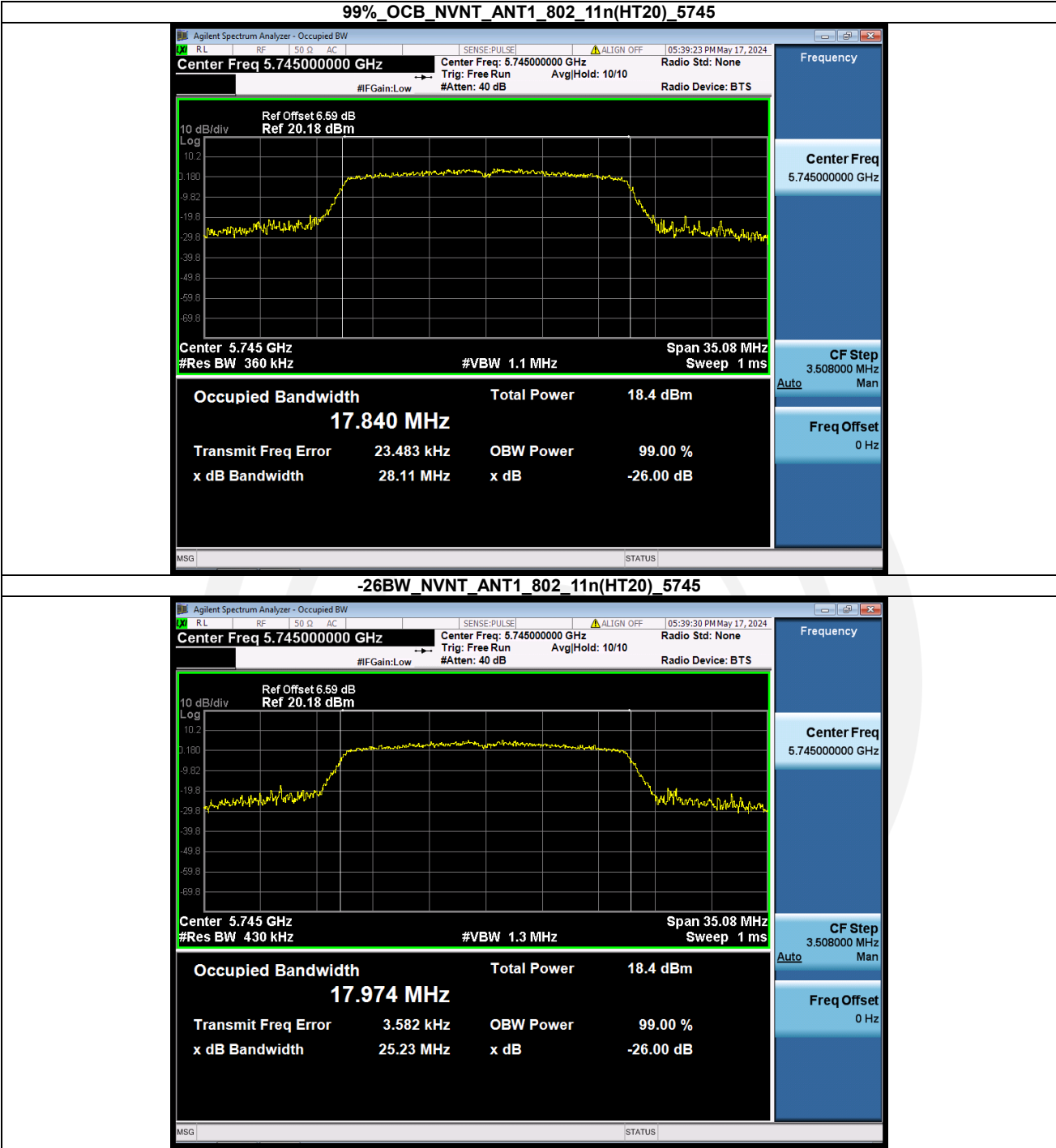
Band 4 (5725-5850 MHz):

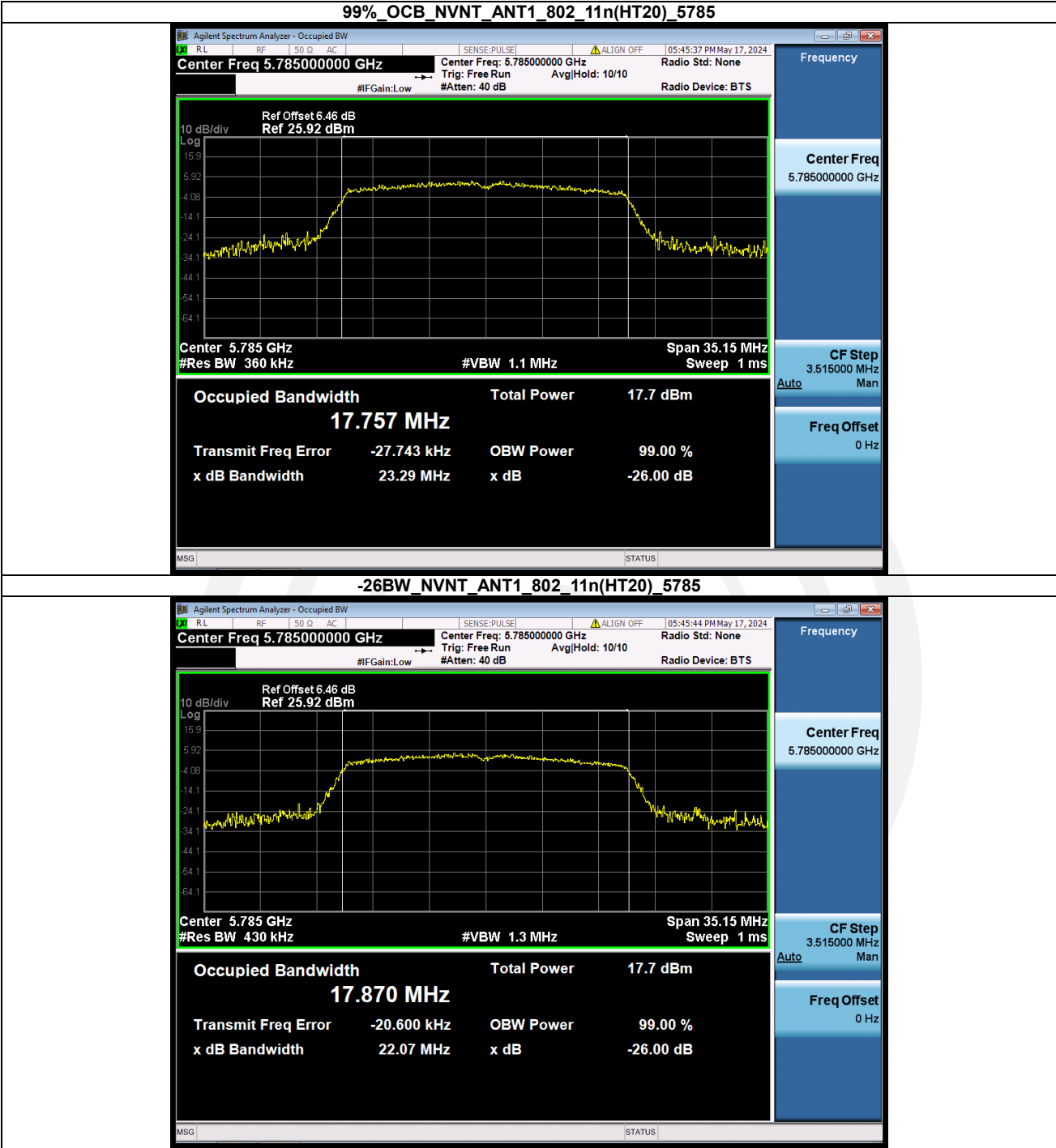
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	25.81	16.82
NVNT	ANT1	802.11a	5785.00	23.91	16.77
NVNT	ANT1	802.11a	5825.00	25.61	16.94
NVNT	ANT1	802.11n(HT20)	5745.00	25.23	17.84
NVNT	ANT1	802.11n(HT20)	5785.00	22.07	17.76
NVNT	ANT1	802.11n(HT20)	5825.00	28.04	17.89
NVNT	ANT1	802.11ac(VHT20)	5745.00	26.46	17.88
NVNT	ANT1	802.11ac(VHT20)	5785.00	24.14	17.75
NVNT	ANT1	802.11ac(VHT20)	5825.00	24.58	17.93
NVNT	ANT1	802.11ax(HE20)	5745.00	23.54	17.81
NVNT	ANT1	802.11ax(HE20)	5785.00	23.06	17.81
NVNT	ANT1	802.11ax(HE20)	5825.00	28.04	17.86
NVNT	ANT1	802.11n(HT40)	5755.00	50.48	36.44
NVNT	ANT1	802.11n(HT40)	5795.00	51.96	36.46
NVNT	ANT1	802.11ac(VHT40)	5755.00	49.44	36.43
NVNT	ANT1	802.11ac(VHT40)	5795.00	51.21	36.50
NVNT	ANT1	802.11ax(HE40)	5755.00	54.71	36.44
NVNT	ANT1	802.11ax(HE40)	5795.00	60.73	36.48
NVNT	ANT1	802.11ac(VHT80)	5775.00	93.80	75.75
NVNT	ANT1	802.11ax(HE80)	5775.00	93.92	75.76

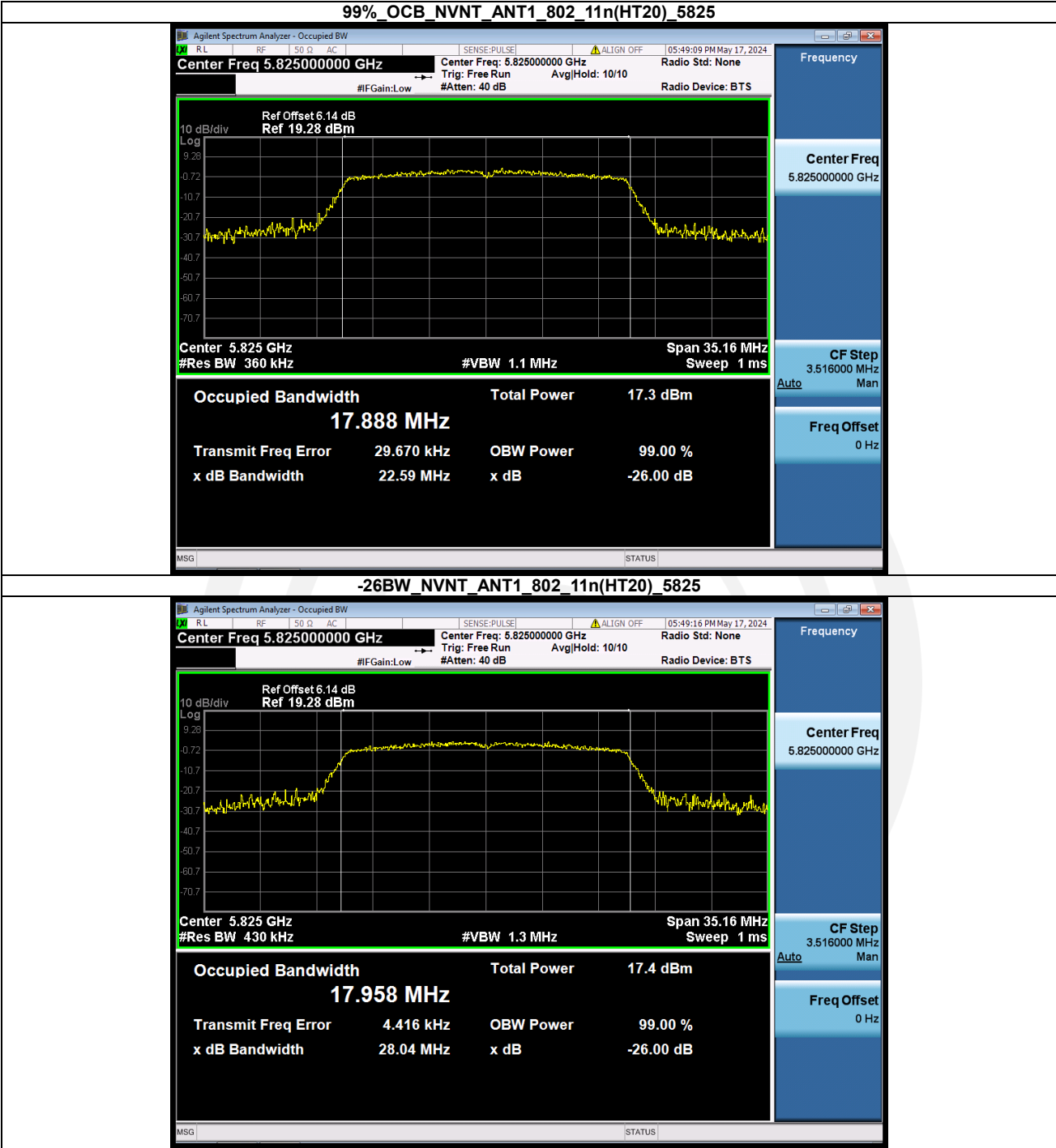


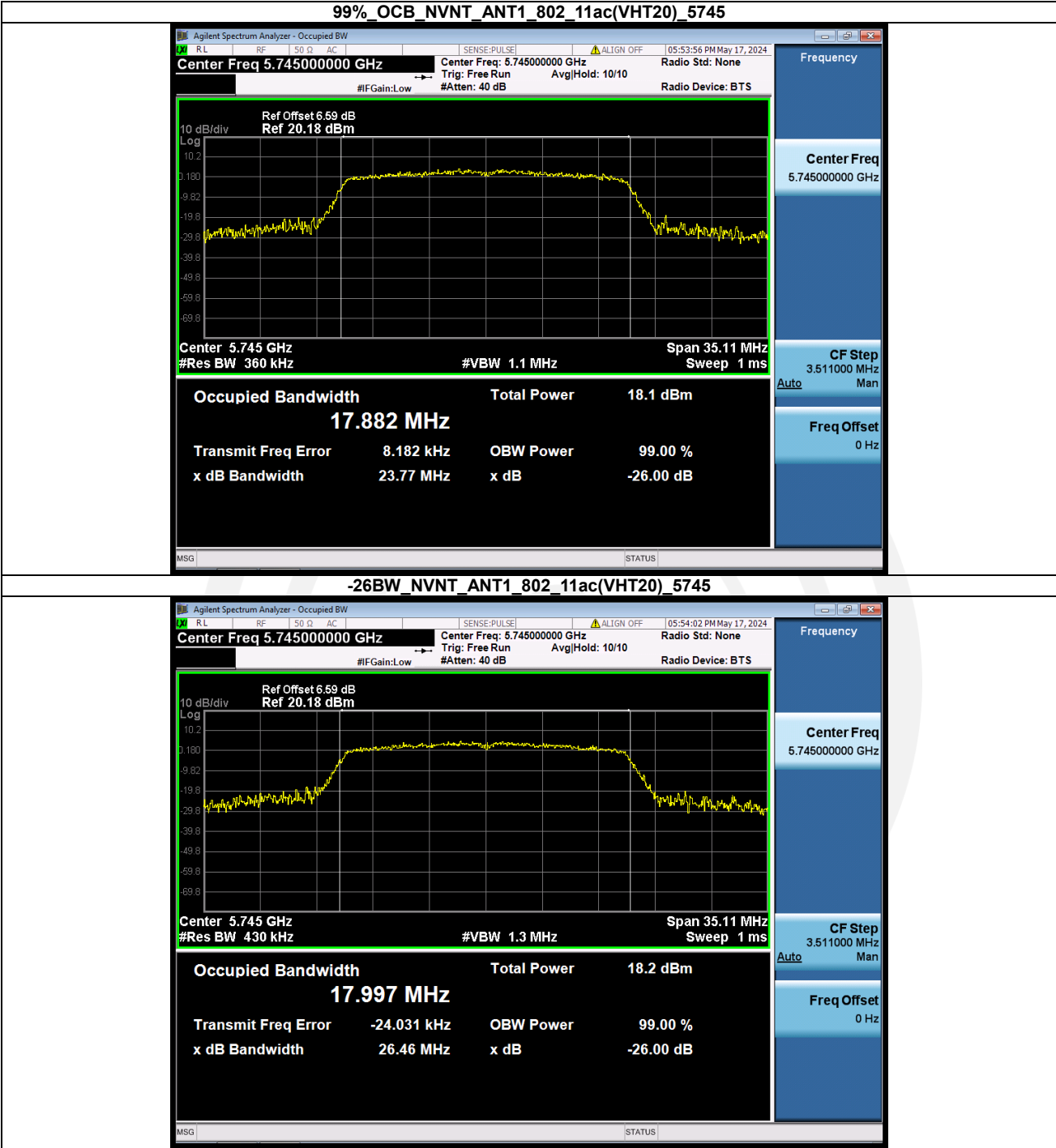


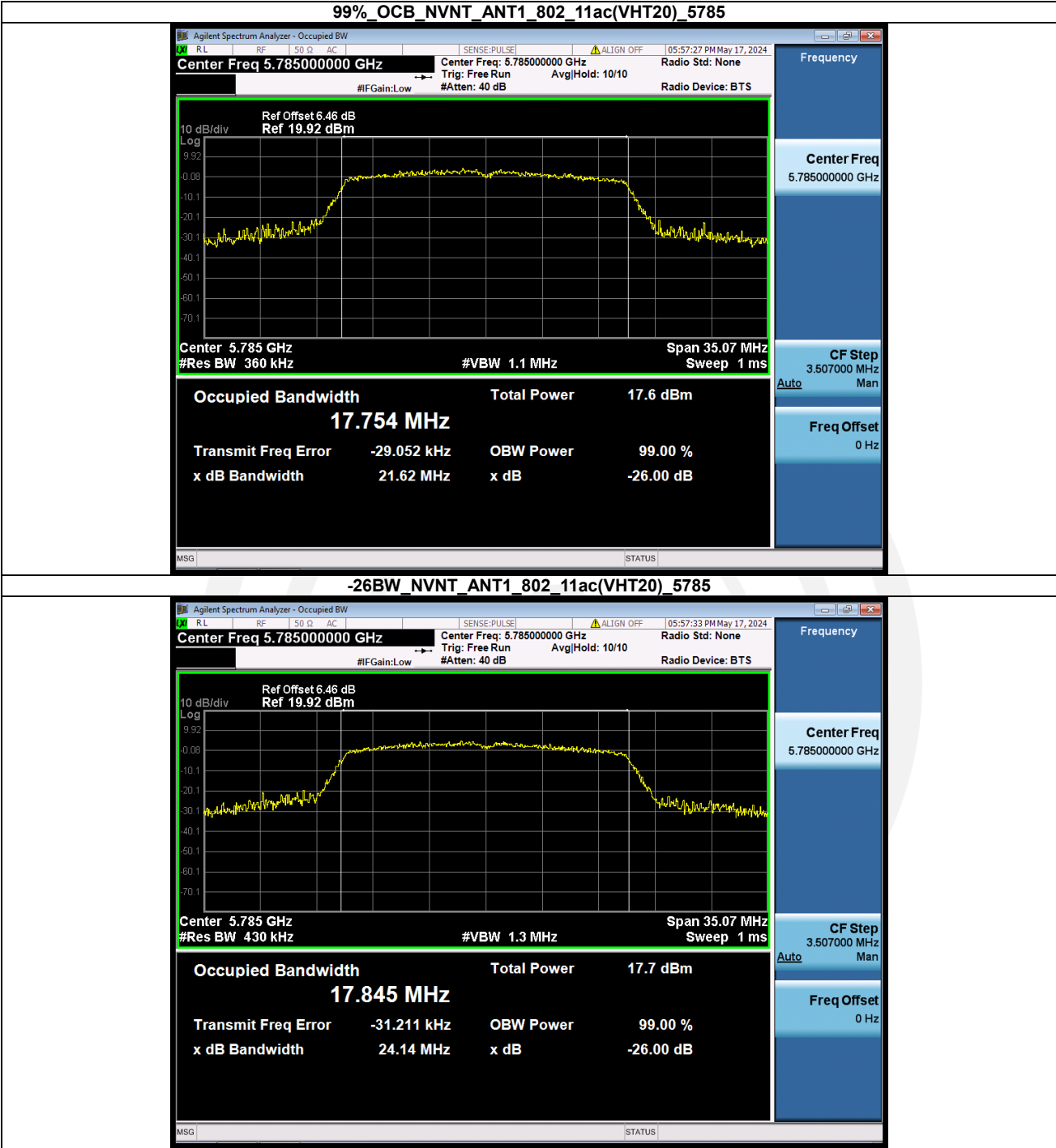


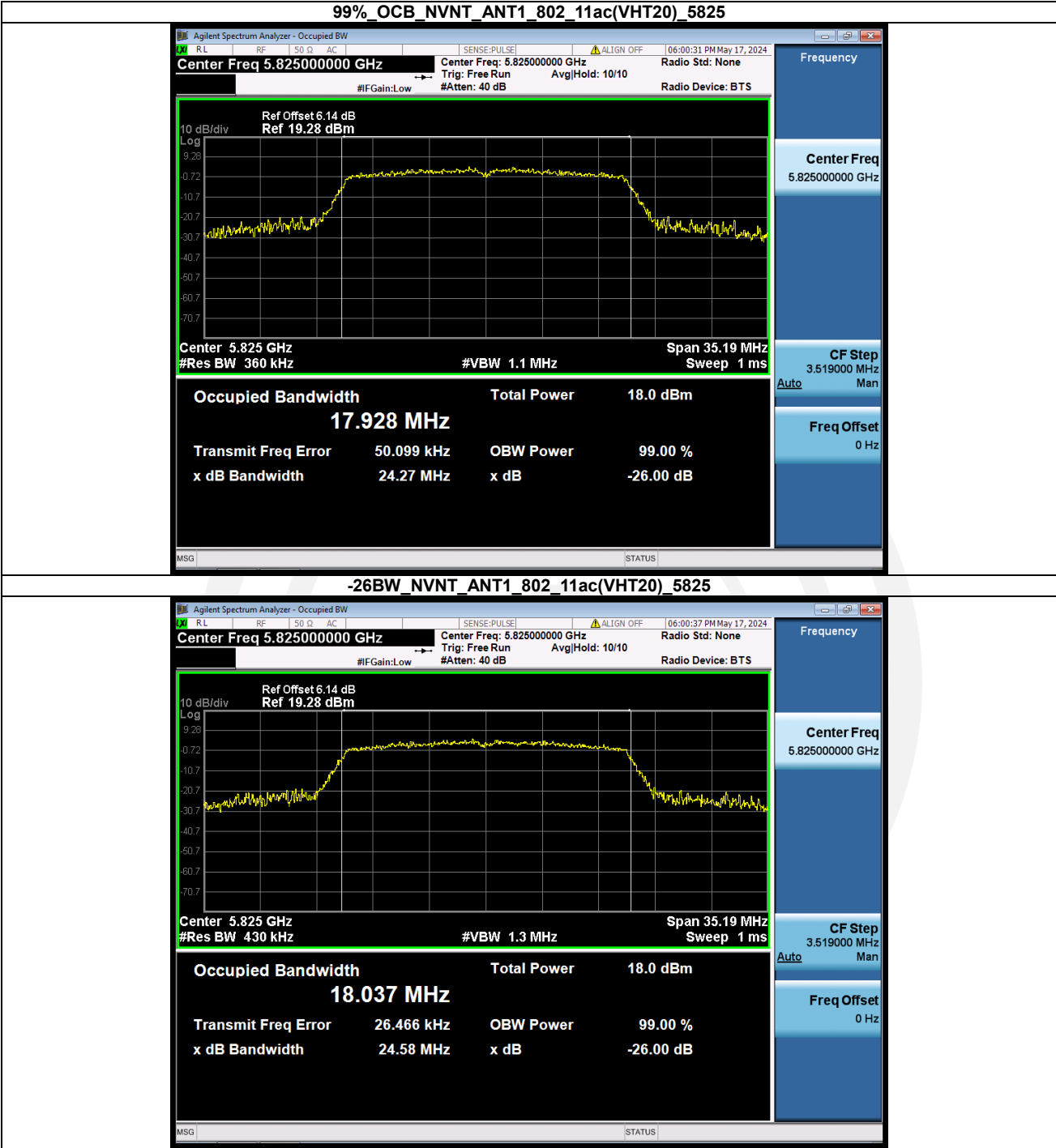


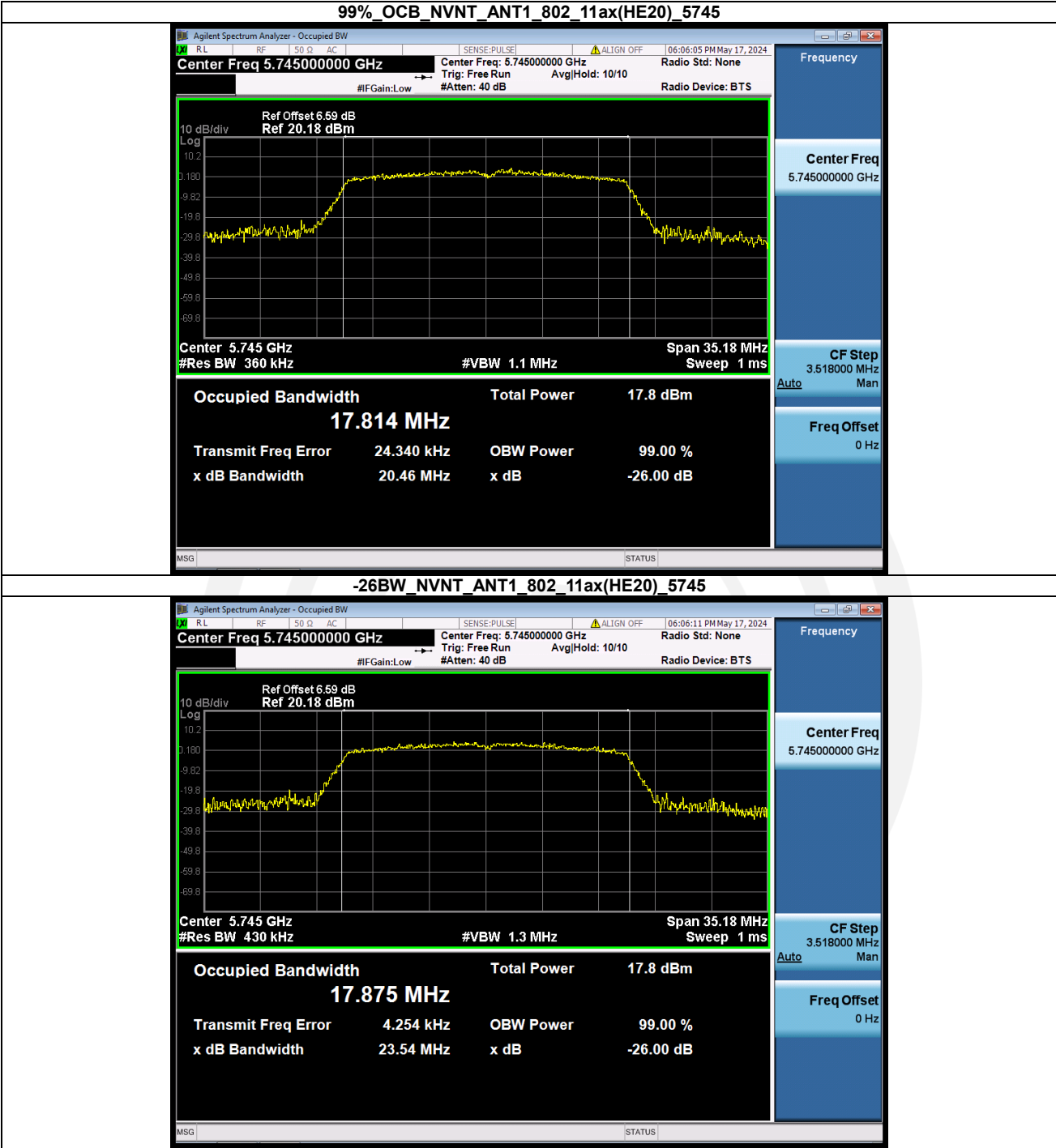


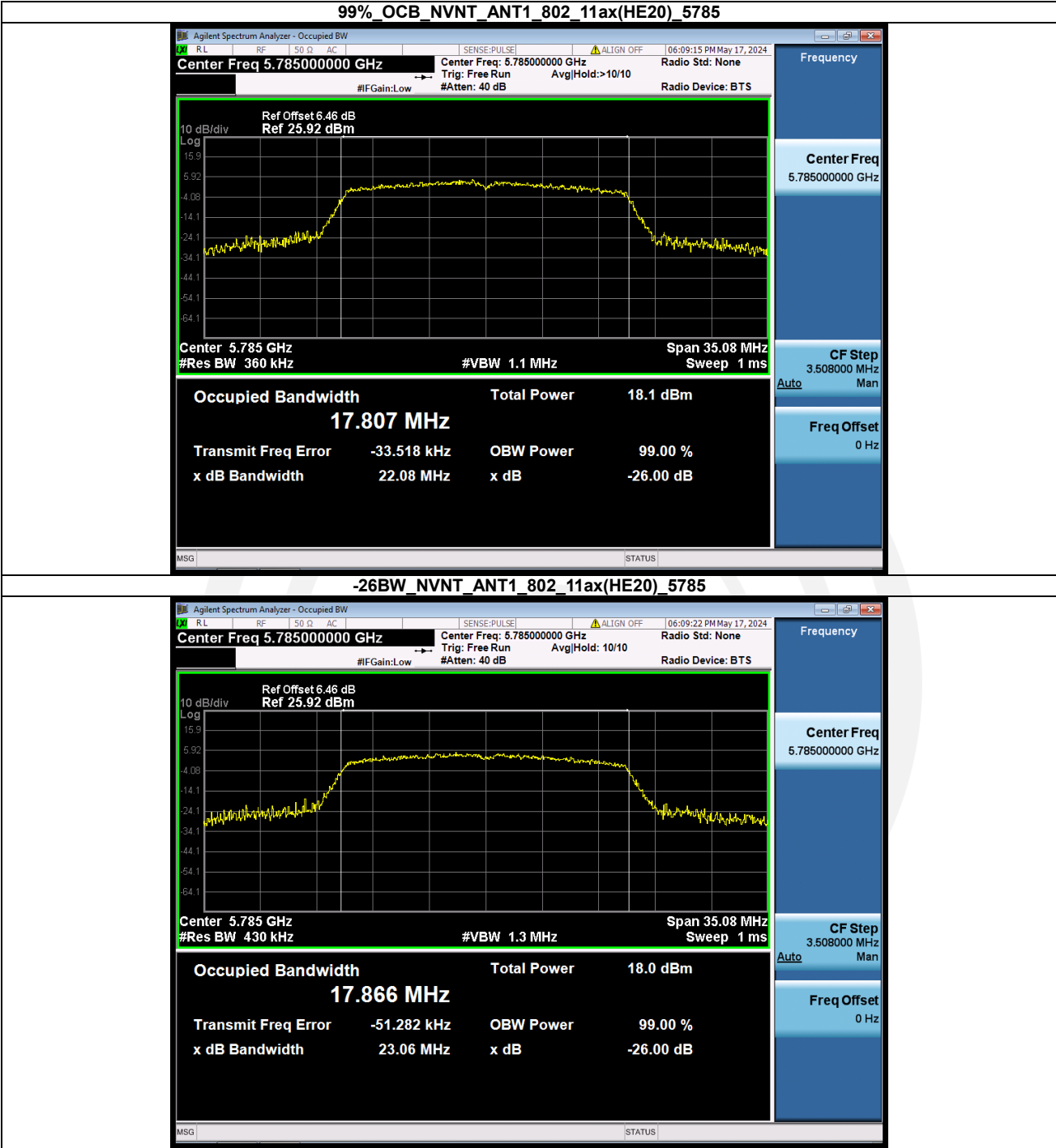


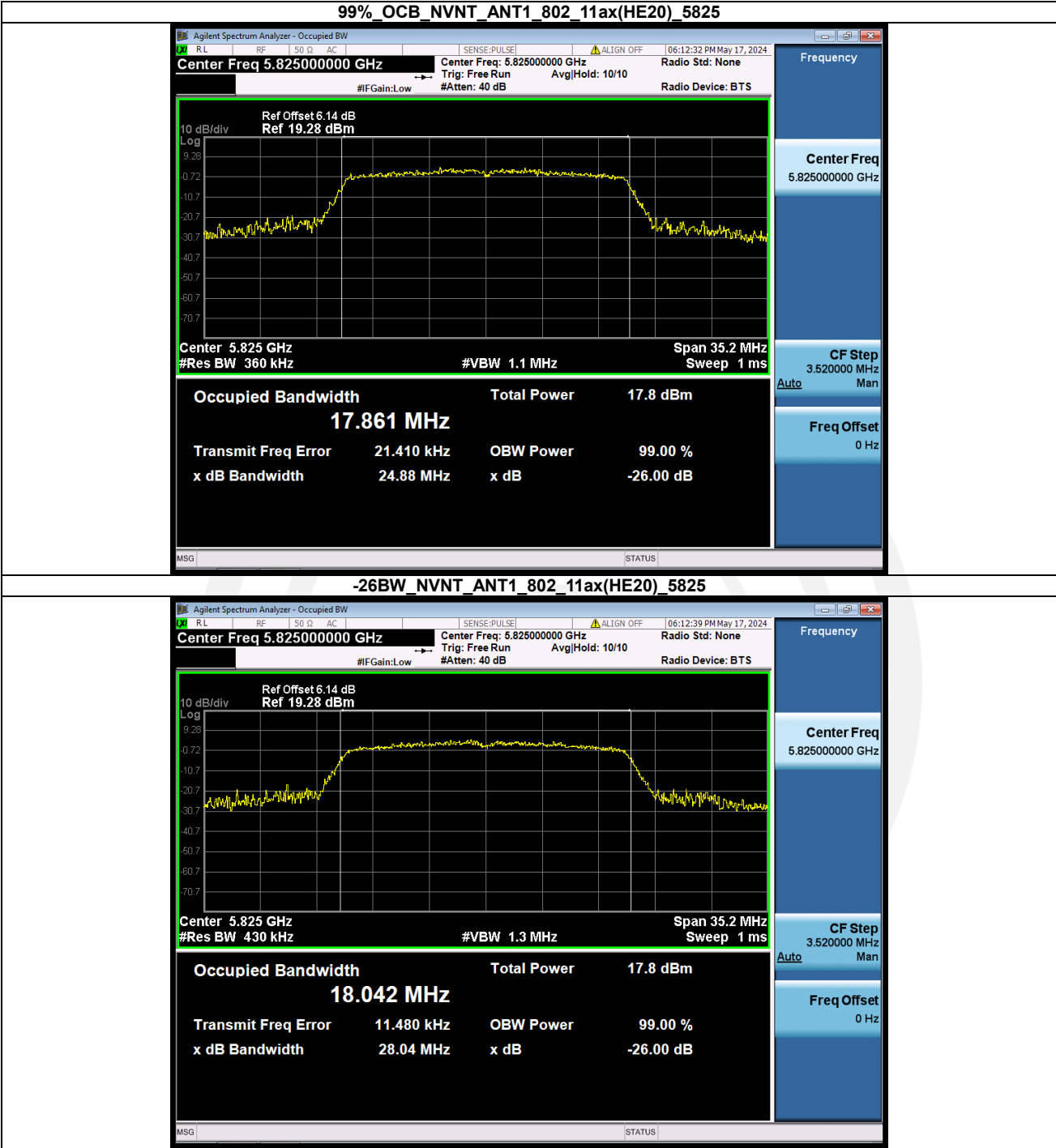


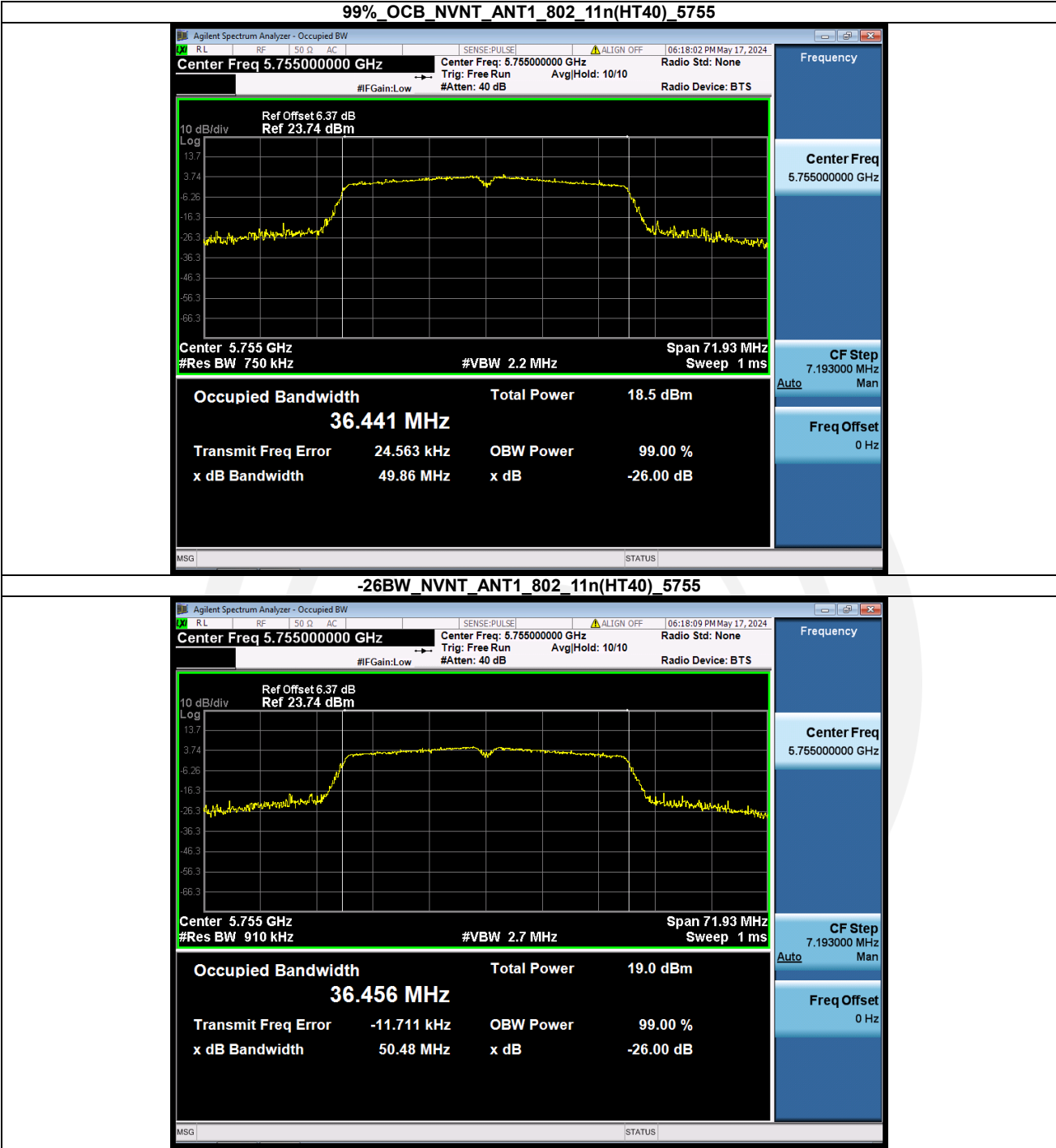


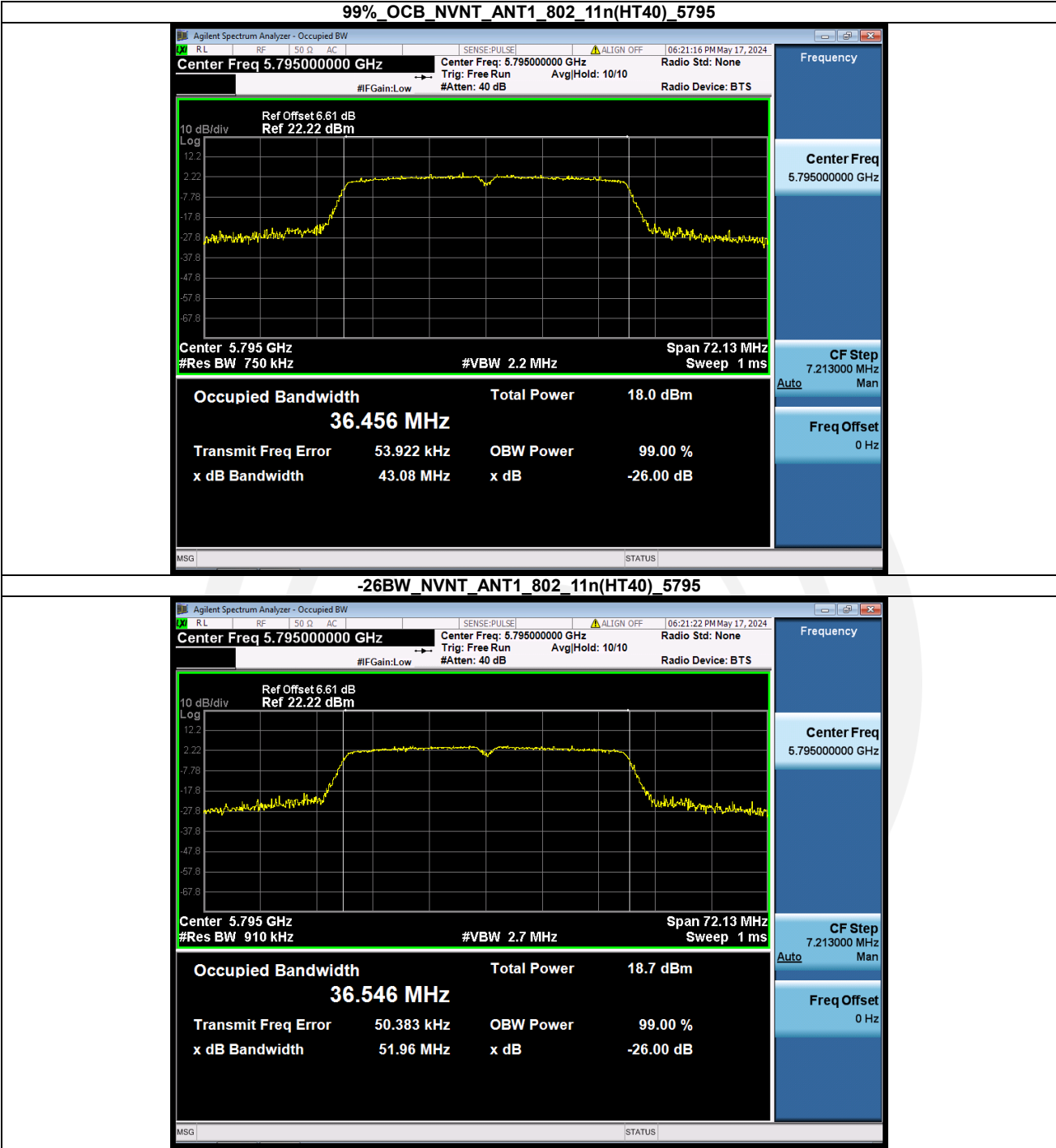


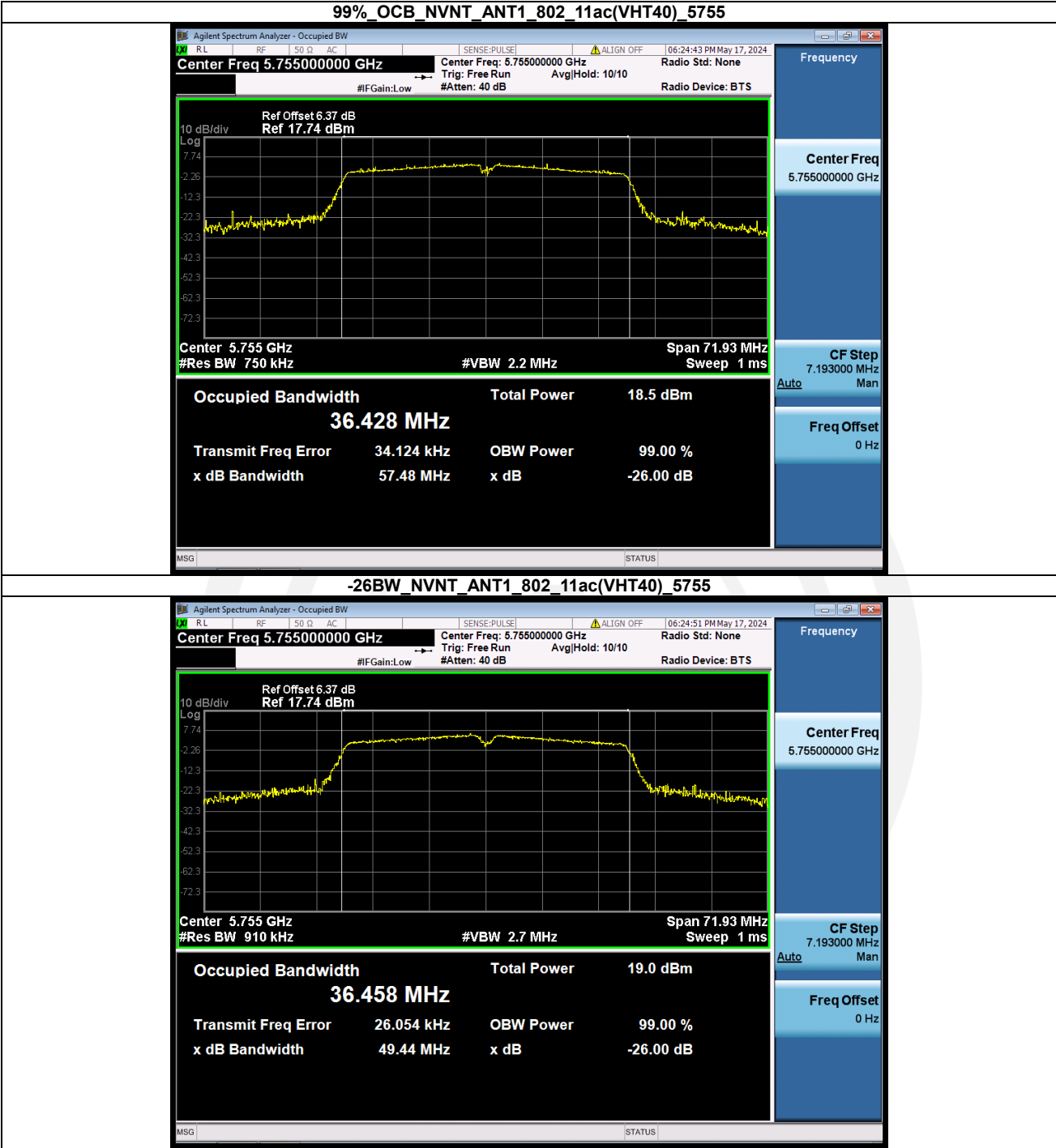


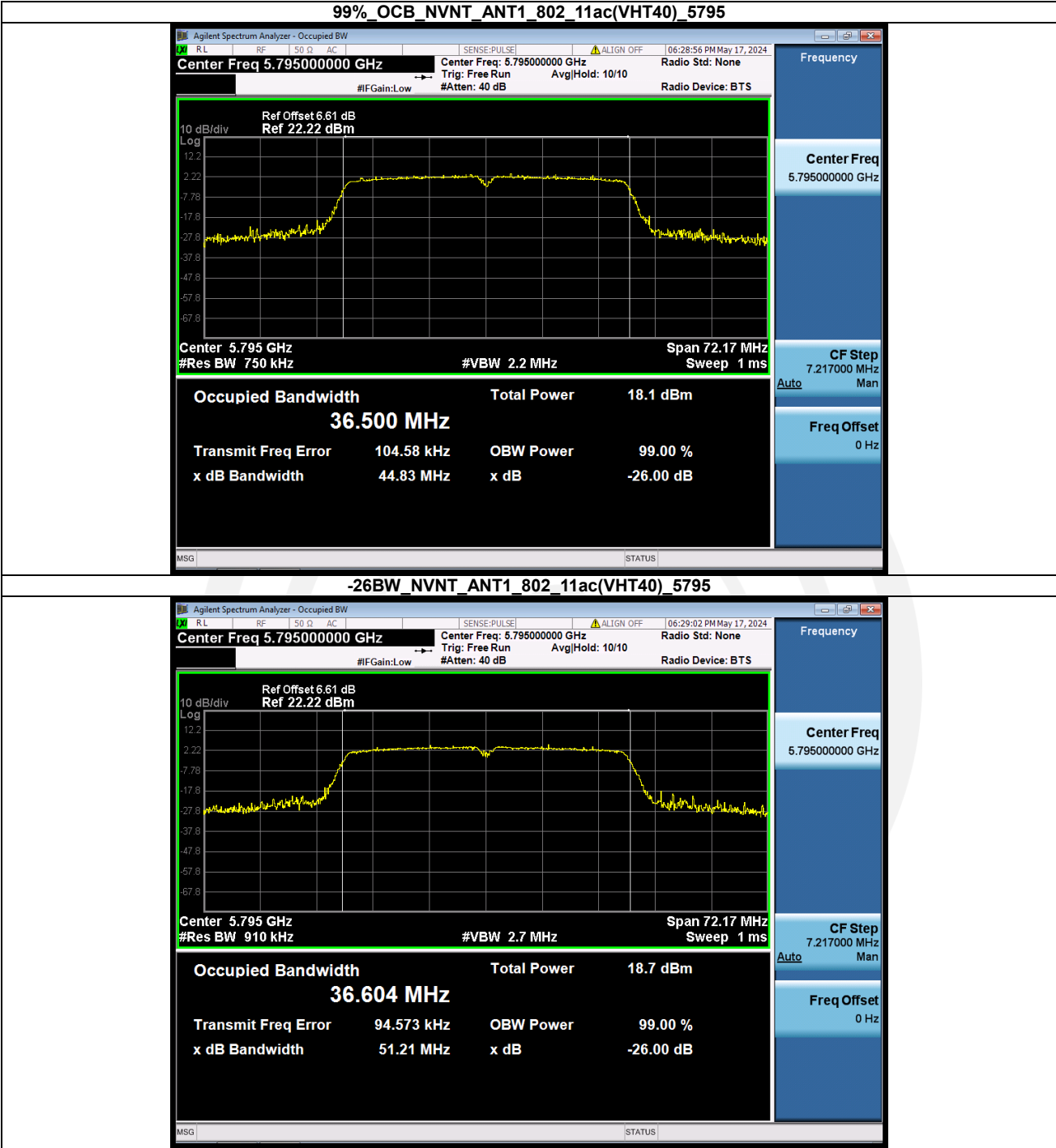




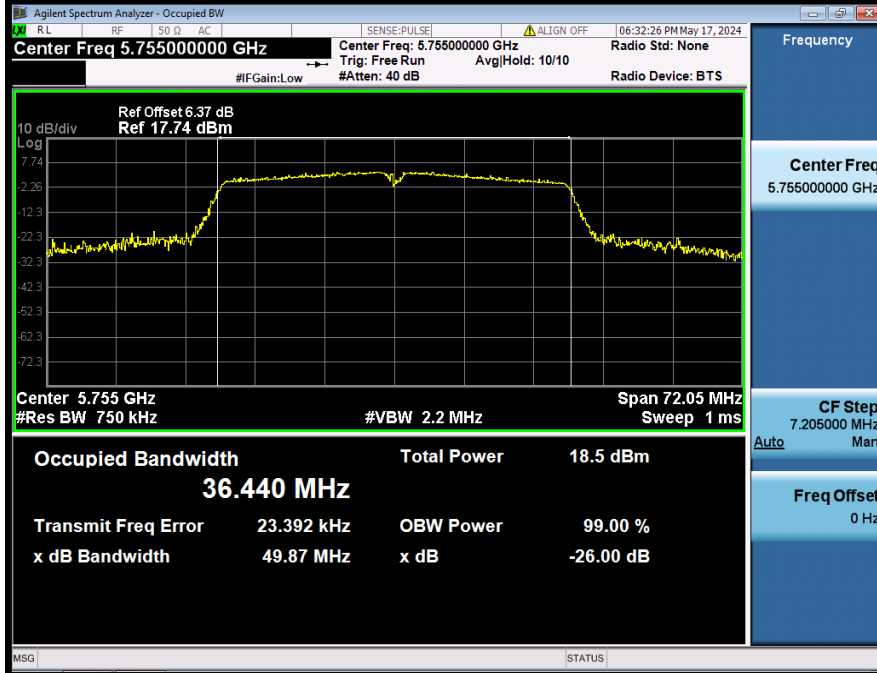




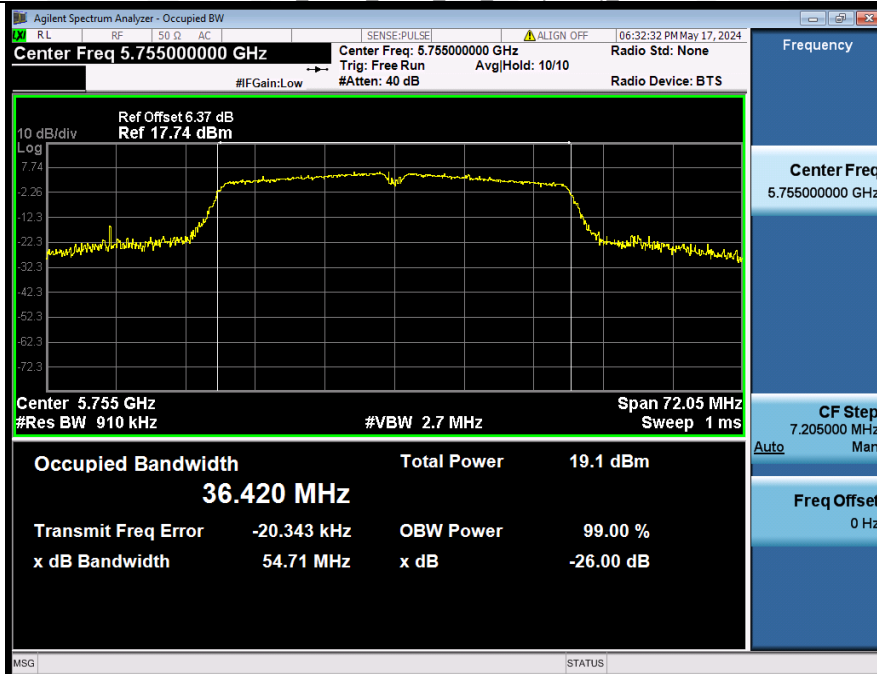




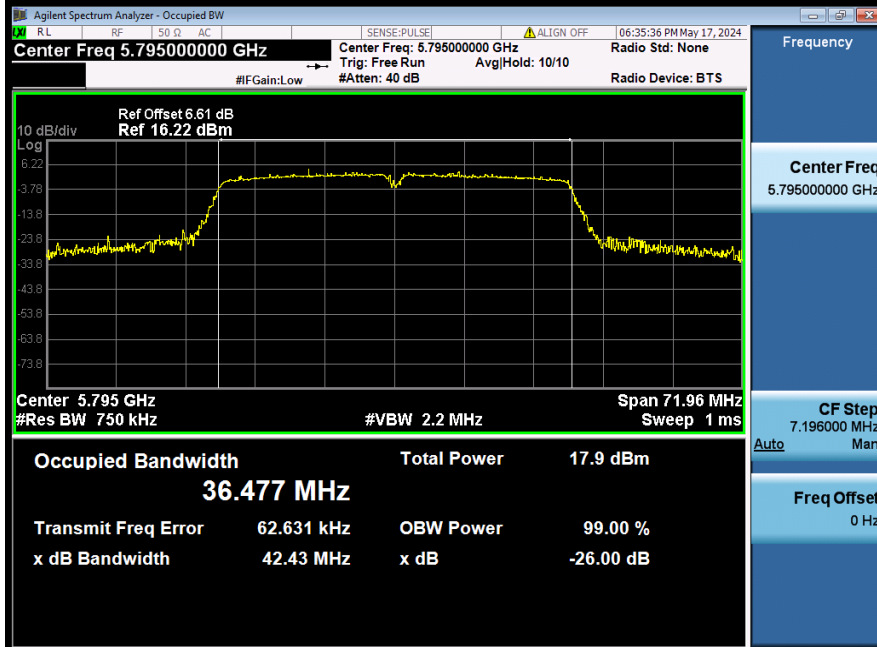
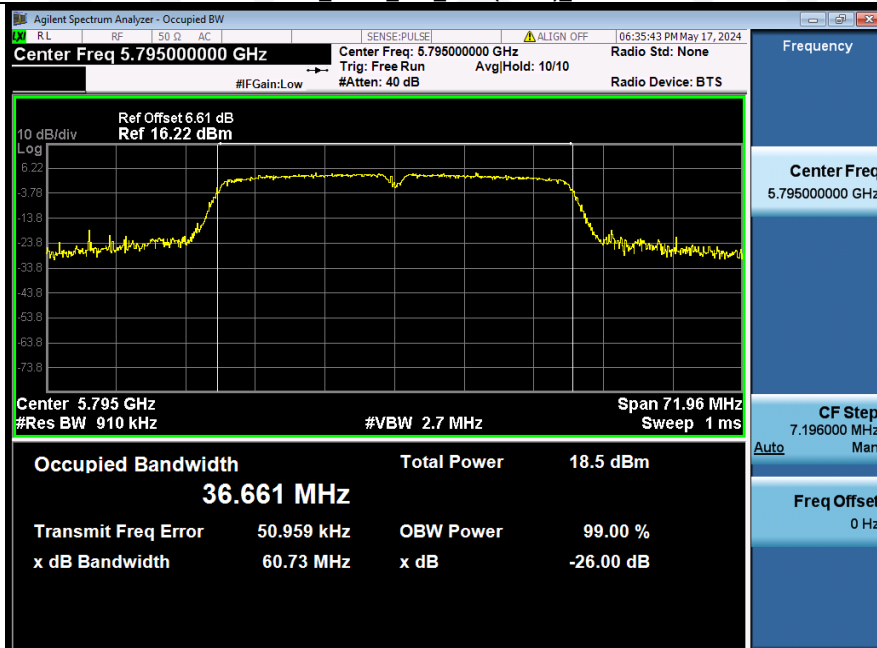
99%_OCB_NVNT_ANT1_802_11ax(HE40)_5755



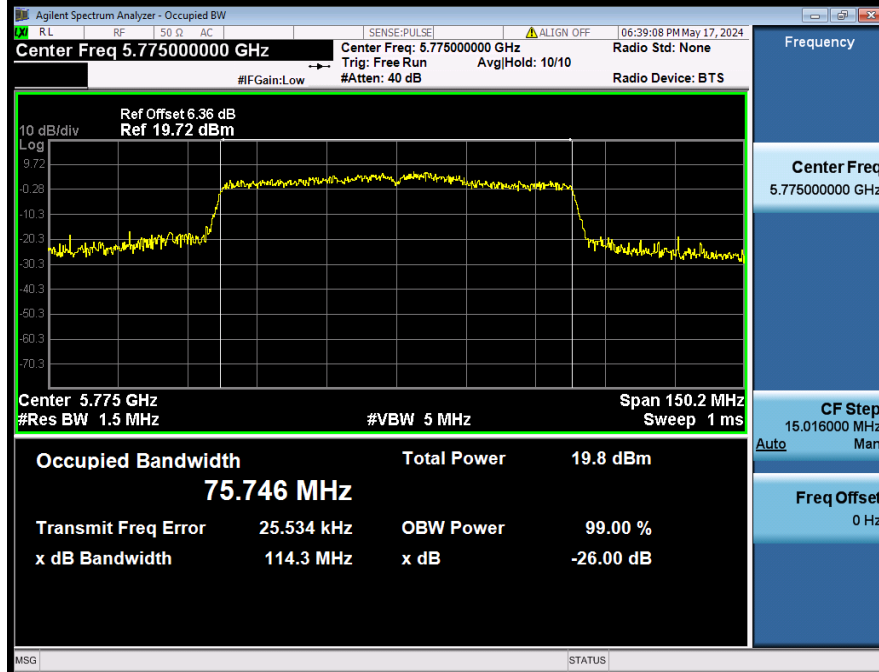
-26BW_NVNT_ANT1_802_11ax(HE40)_5755



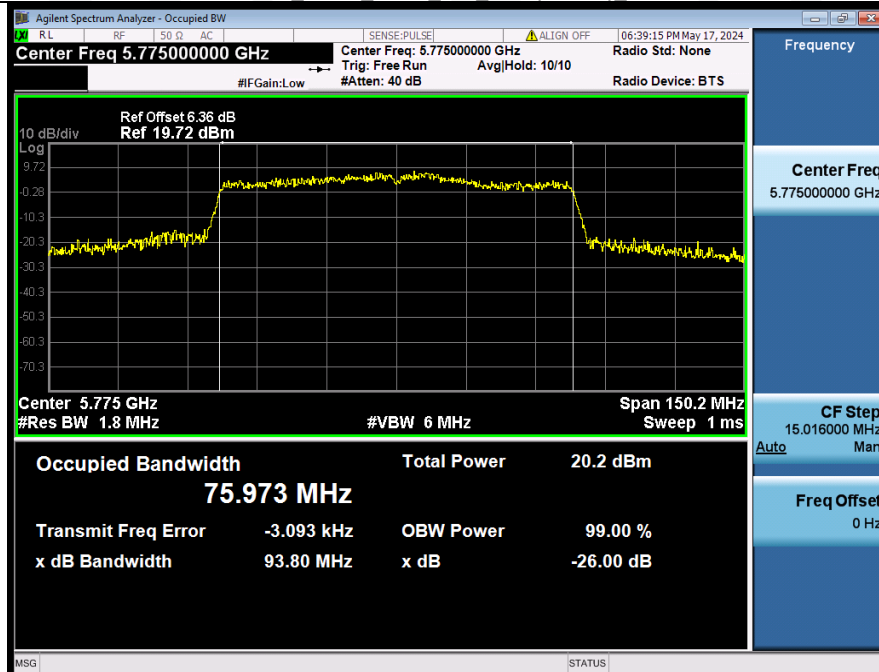
99%_OCB_NVNT_ANT1_802_11ax(HE40)_5795

-26BW_N
VNT_ANT1_802_11ax(HE40)_5795

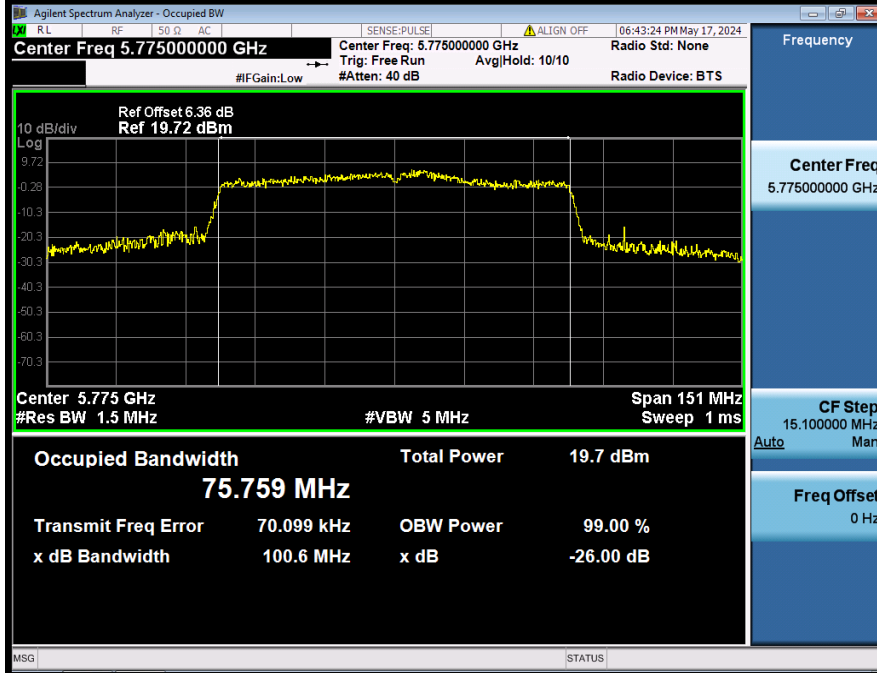
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5775



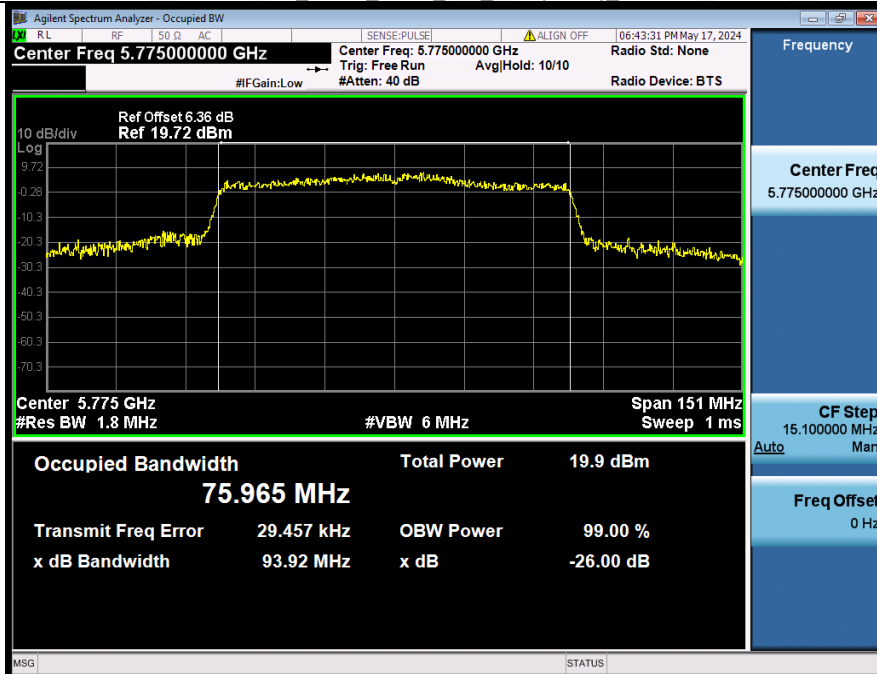
-26BW_NVNT_ANT1_802_11ac(VHT80)_5775



99%_OCB_NVNT_ANT1_802_11ax(HE80)_5775

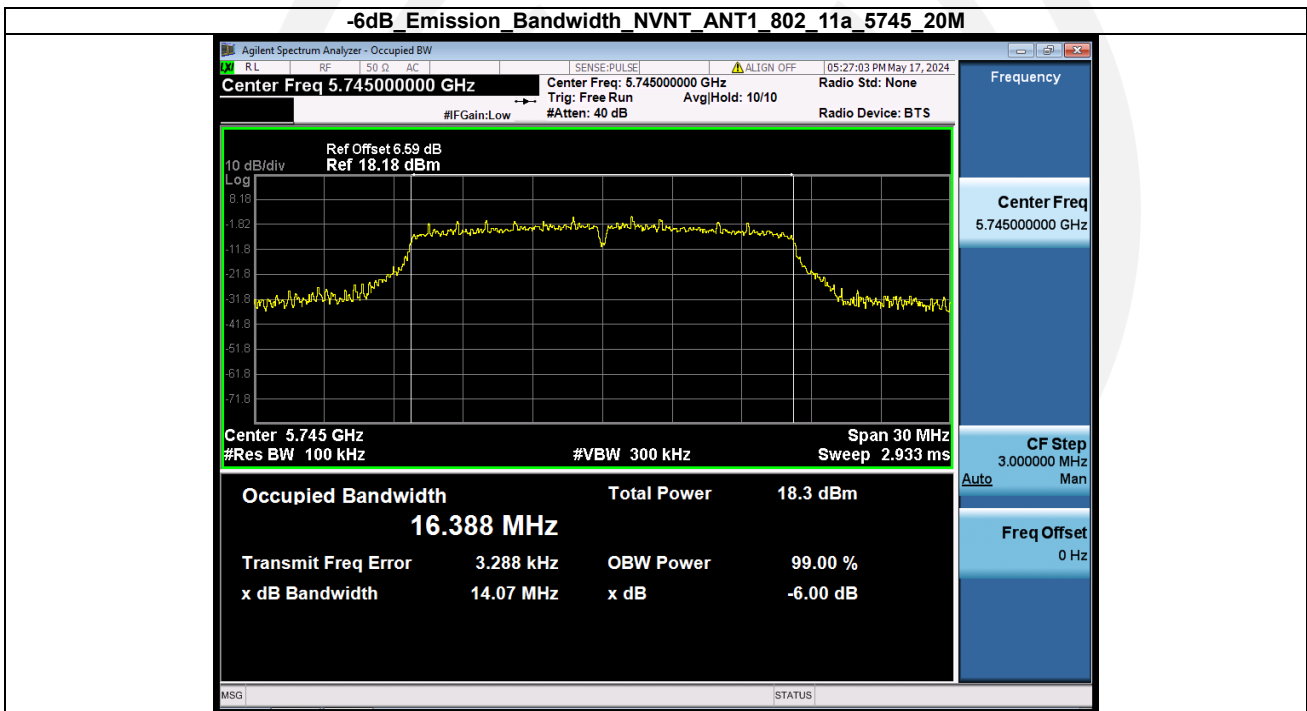


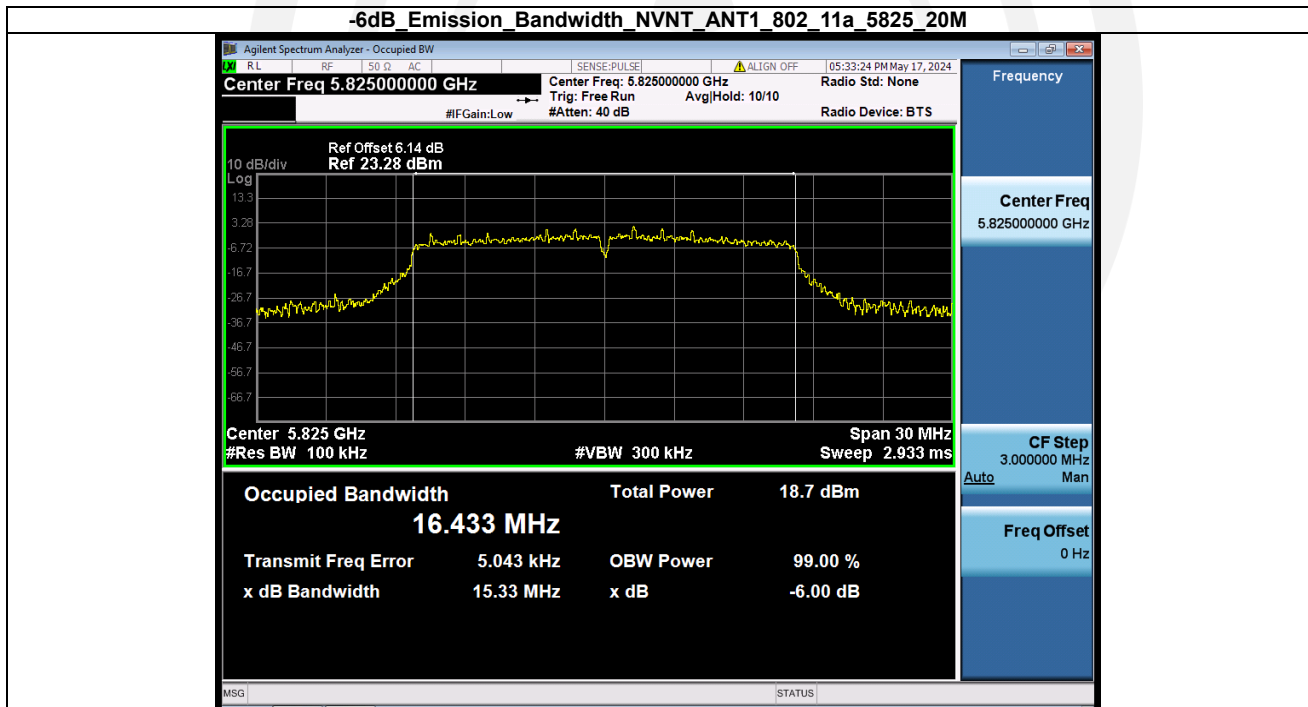
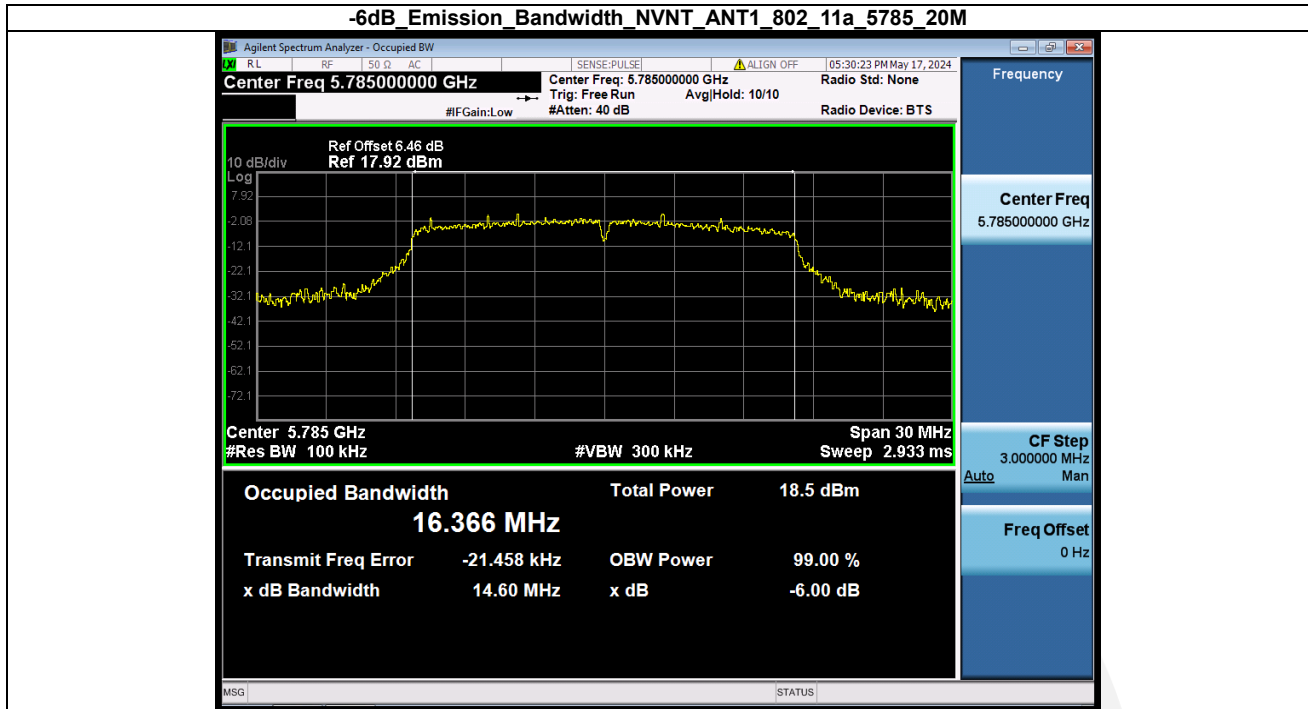
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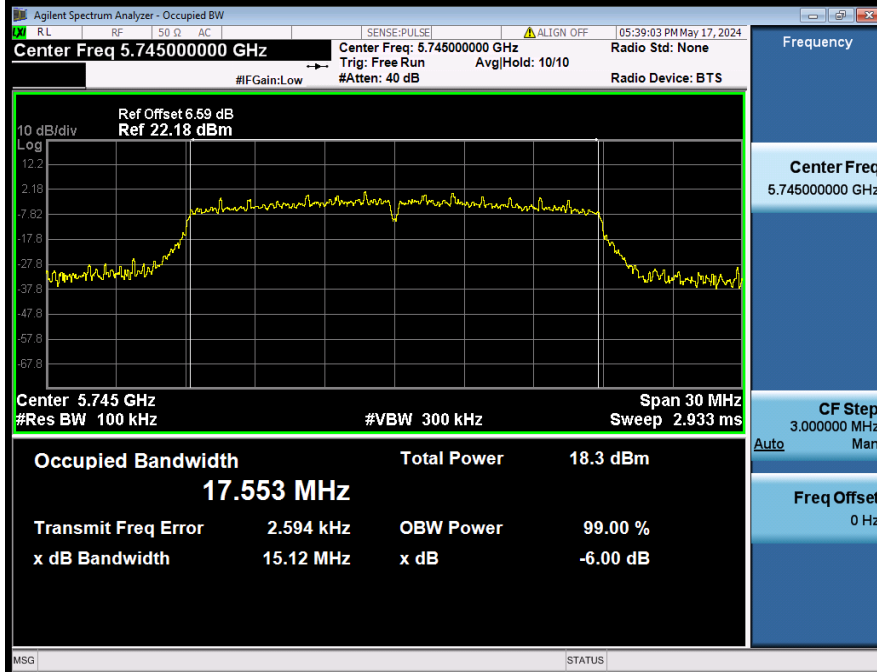
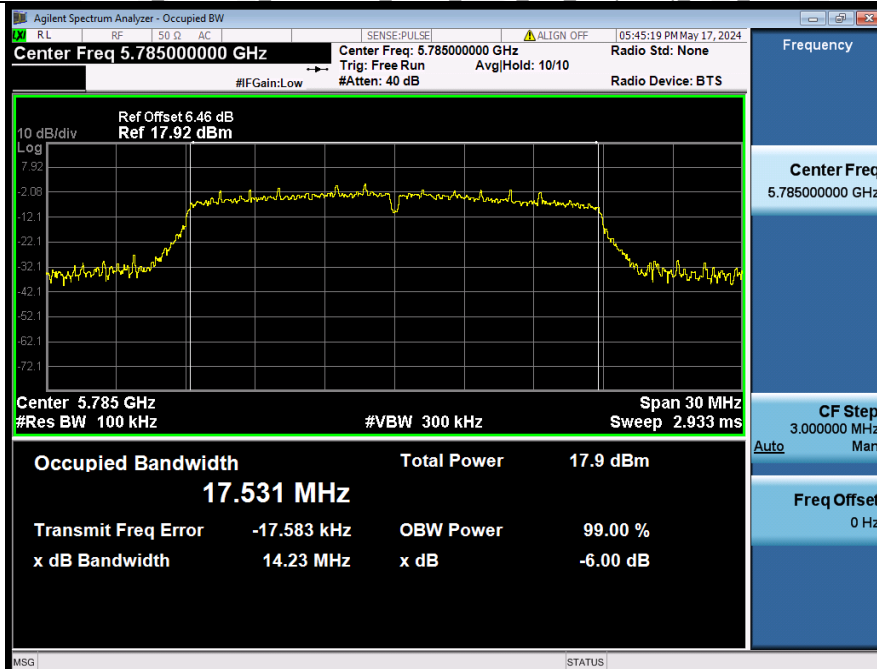


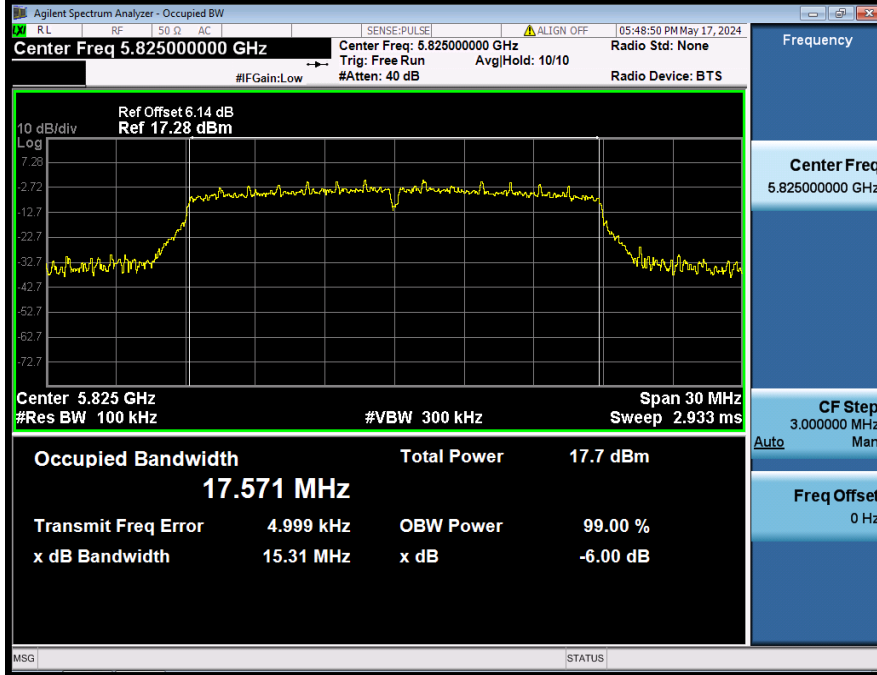
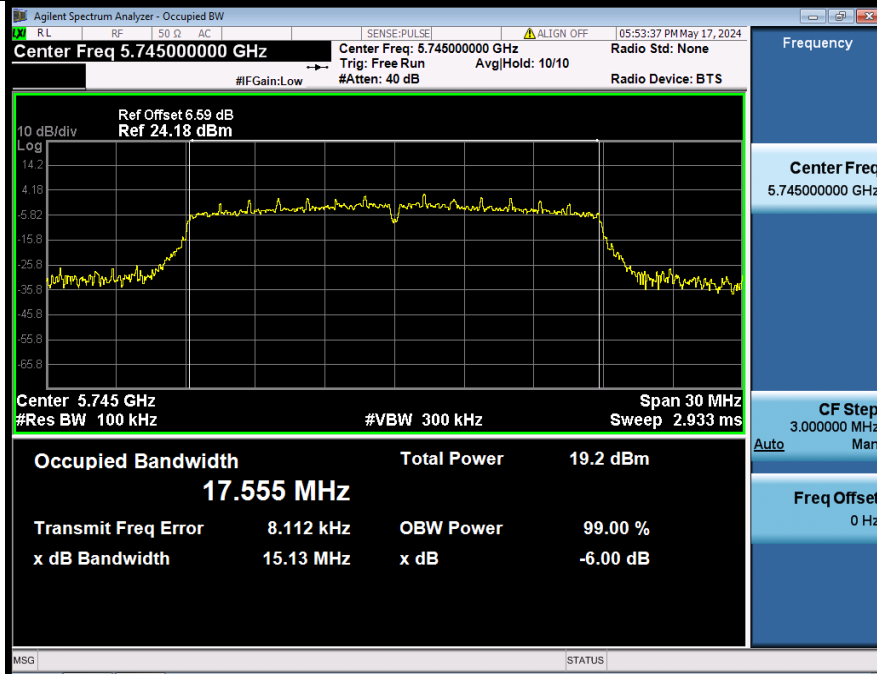
Condition	Antenna	Mode	Frequency(MHz)	- 6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	14.071	0.500	Pass
NVNT	ANT1	802.11a	5785.00	14.600	0.500	Pass
NVNT	ANT1	802.11a	5825.00	15.330	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	15.123	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	14.232	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	15.314	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	15.130	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	15.081	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	15.102	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	15.122	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	13.897	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	15.136	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.165	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.244	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	35.120	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	35.225	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	35.178	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	35.376	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	75.244	0.500	Pass
NVNT	ANT1	802.11ax(HE80)	5775.00	75.238	0.500	Pass

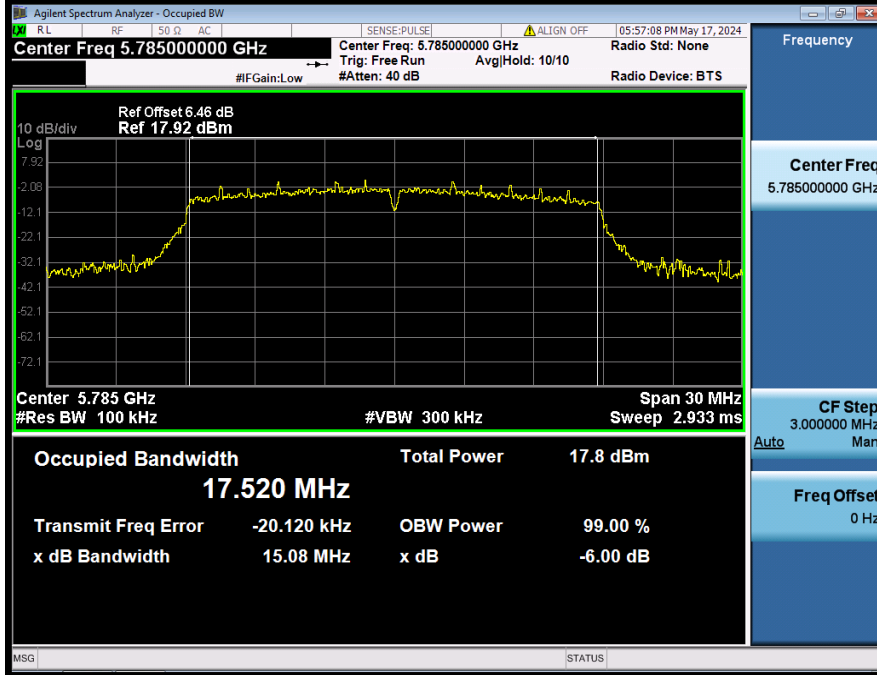
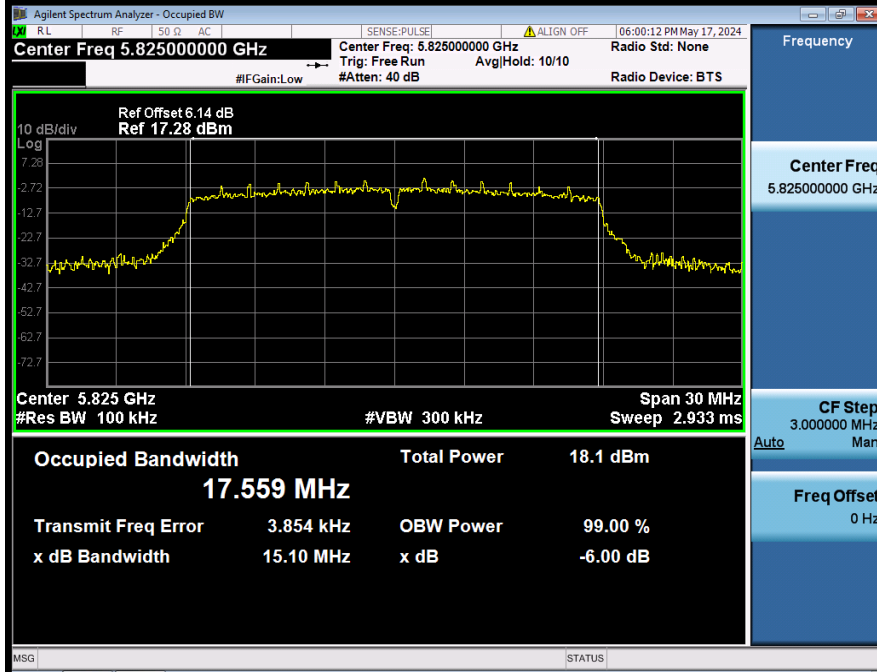
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5745_20M

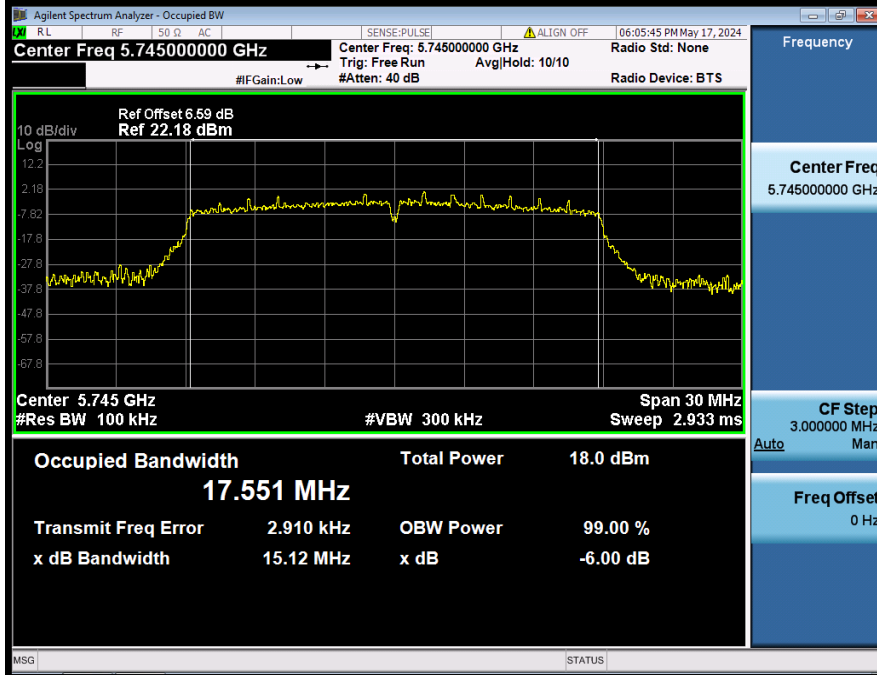
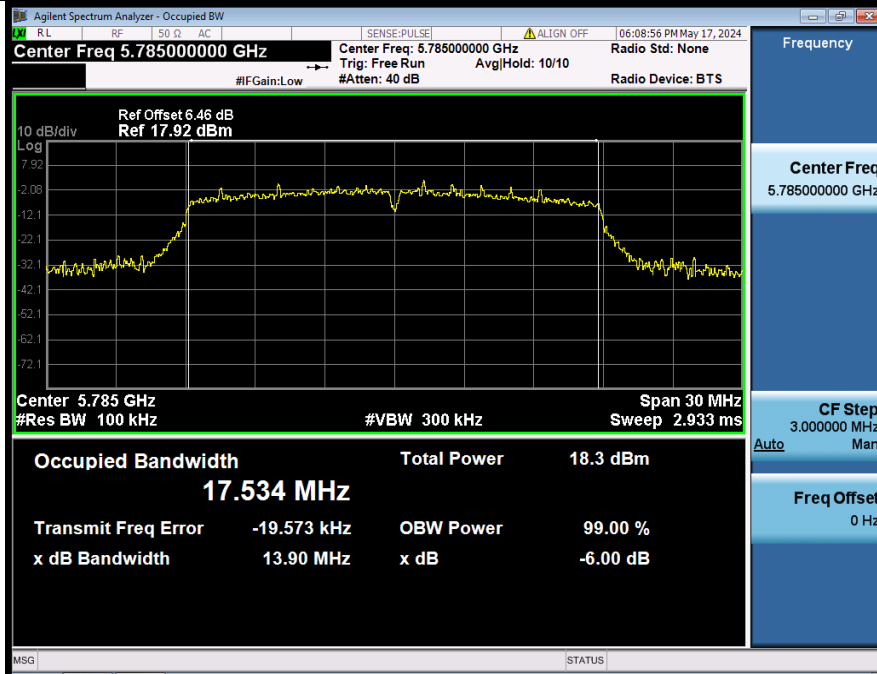


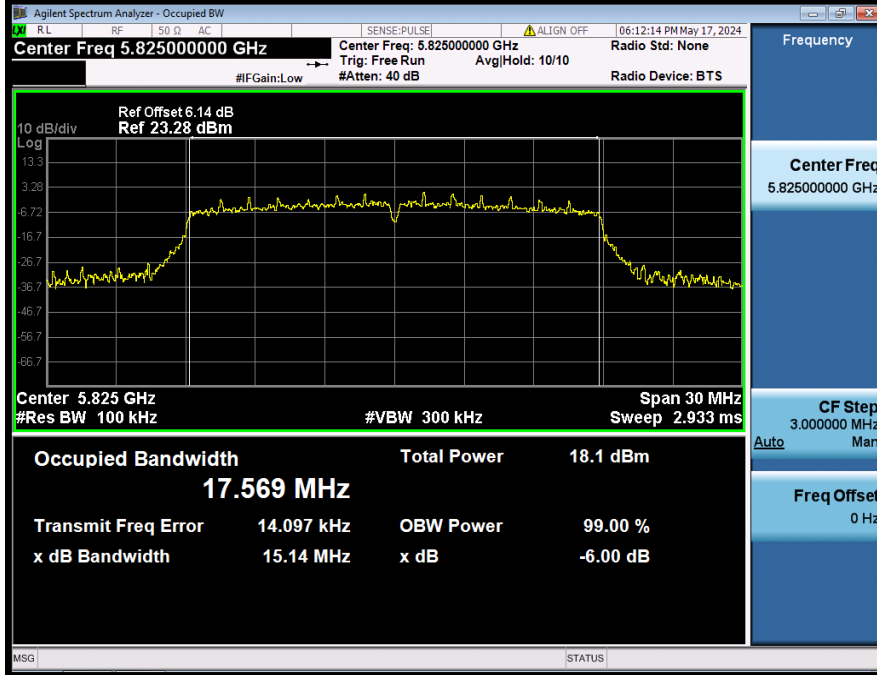
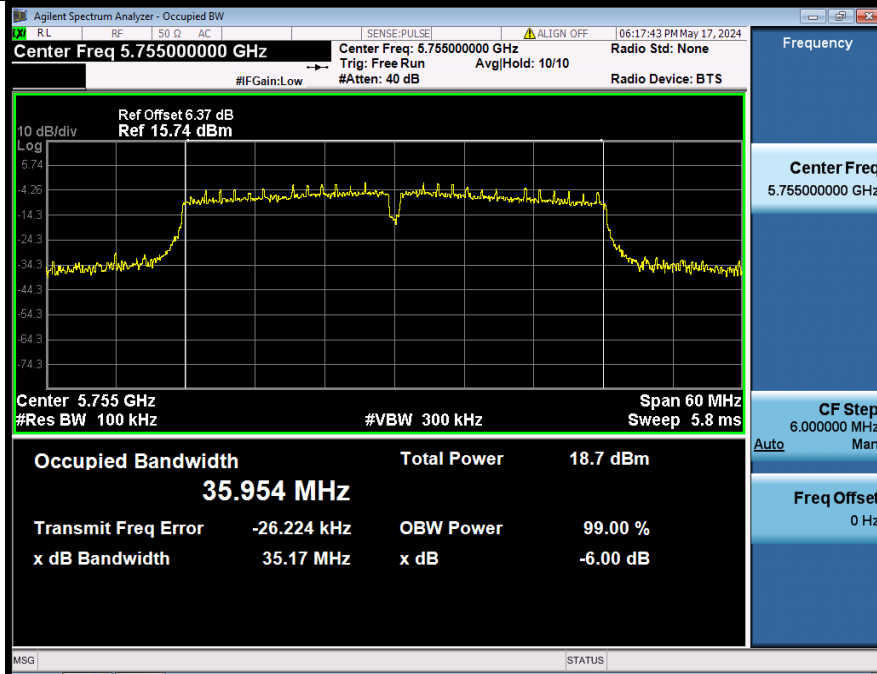


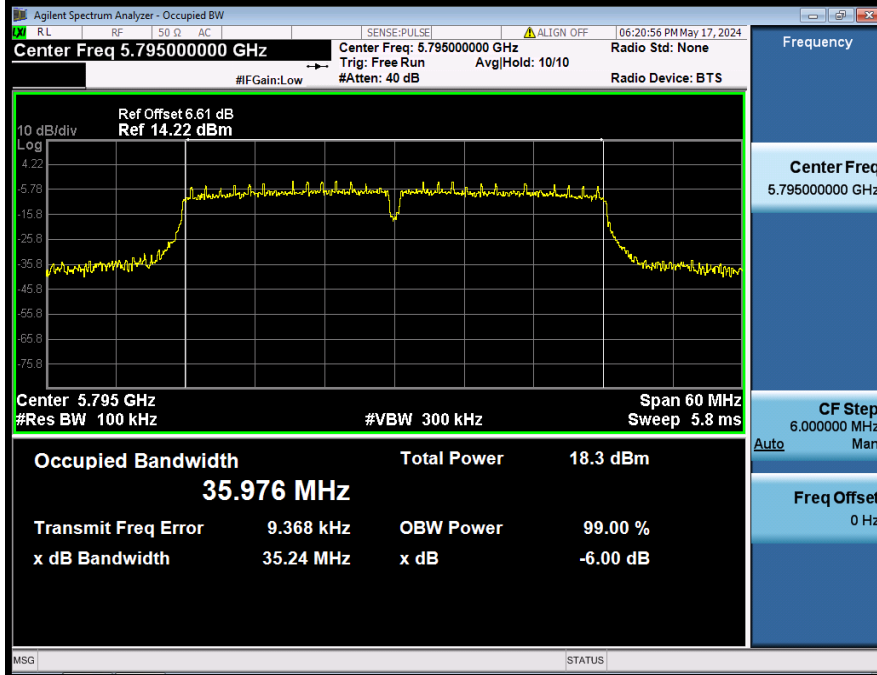
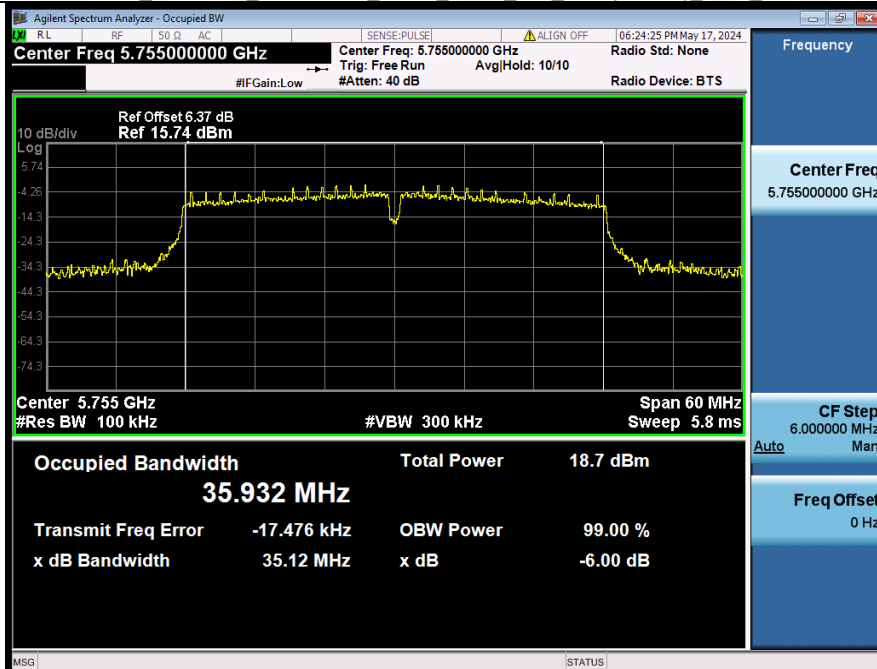
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20)_5745_20M**-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20)_5785_20M**

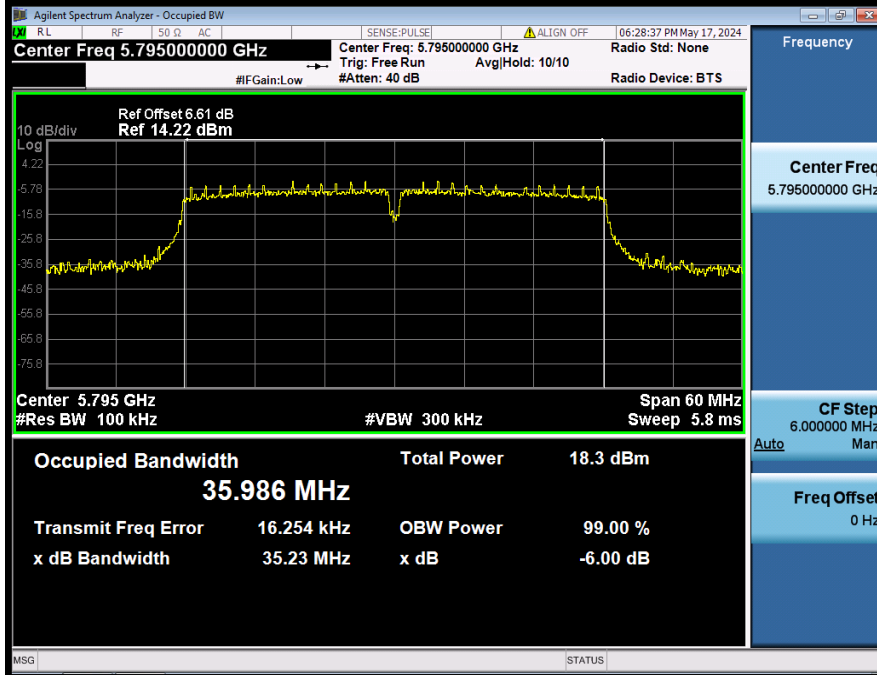
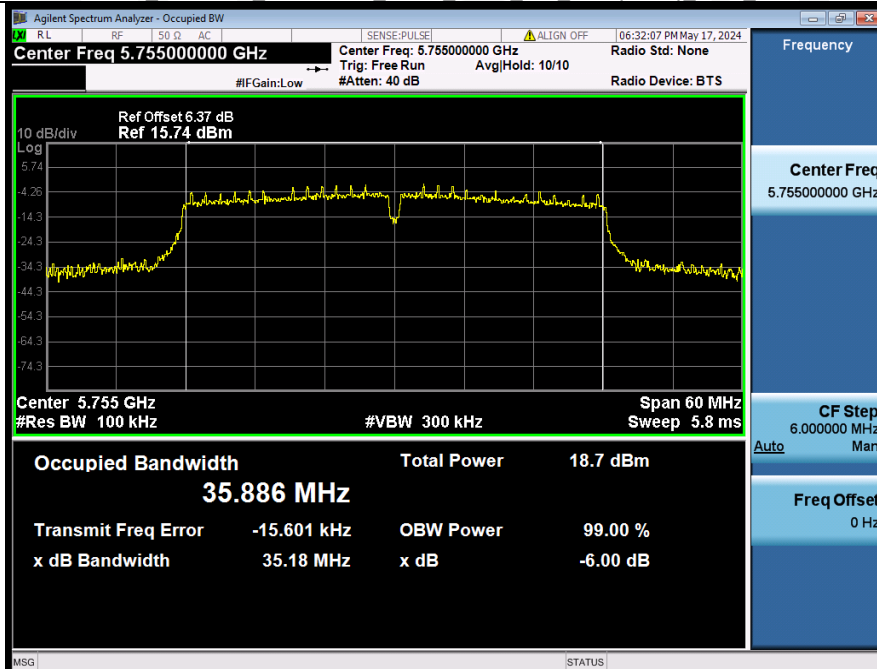
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20)_5825_20M**-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5745_20M**

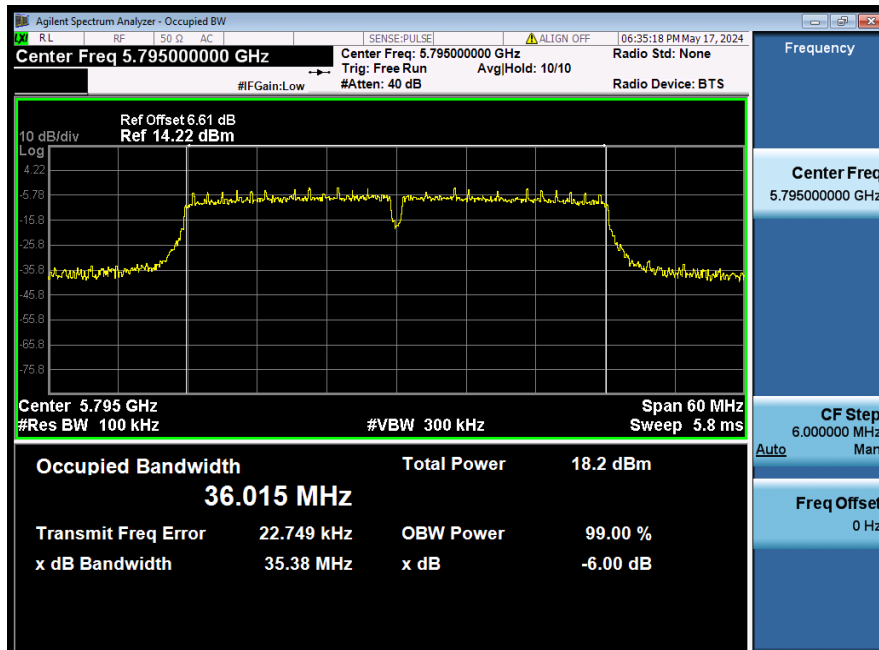
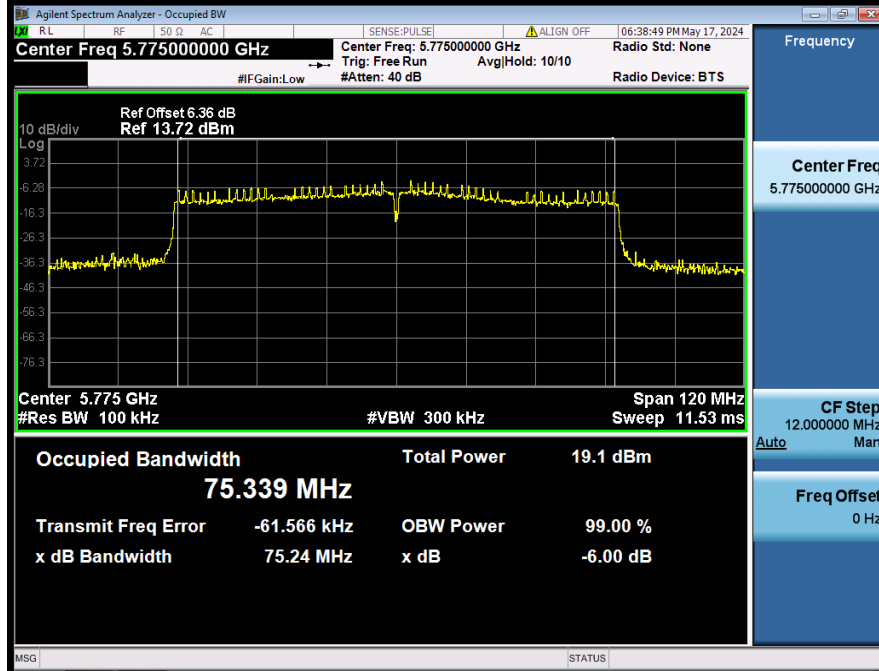
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5785_20M**-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5825_20M**

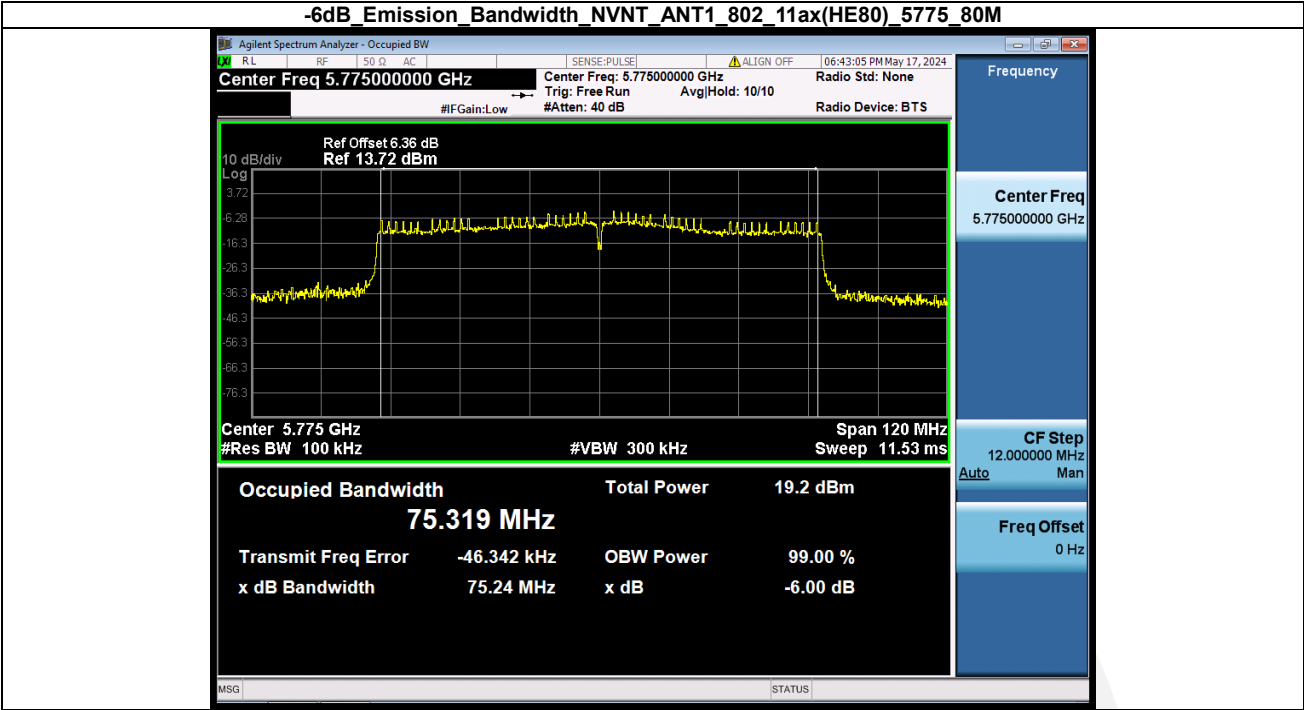
-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE20)_5745_20M**-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE20)_5785_20M**

-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE20)_5825_20M**-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT40)_5755_40M**

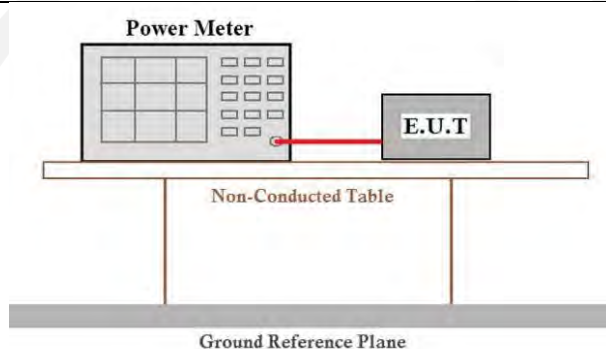
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40)_5795_40M**-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5755_40M**

-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5795_40M**-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE40)_5755_40M**

-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ax(HE40)_5795_40M**-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT80)_5775_80M**



4.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 §6.2																					
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01																					
Limit:	For the band 5.15-5.25GHz, 5.25-5.35GHz, 5.47-5.725GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW. For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W. IC: <table><thead><tr><th>Section</th><th>Test Item</th><th>Limit</th><th>Frequency Range (MHz)</th><th>Result</th></tr></thead><tbody><tr><td>6.2.1.1</td><td rowspan="4">Peak Output Power</td><td>200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.</td><td>5150-5250</td><td rowspan="4">PASS</td></tr><tr><td>6.2.2.1</td><td rowspan="3">The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.</td><td>5250-5350</td></tr><tr><td>6.2.3.1</td><td>5470-5725</td></tr><tr><td>6.2.4.1</td><td>5725-5825</td></tr><tr><td></td><td></td><td>1 watt</td><td></td></tr></tbody></table>	Section	Test Item	Limit	Frequency Range (MHz)	Result	6.2.1.1	Peak Output Power	200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.	5150-5250	PASS	6.2.2.1	The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.	5250-5350	6.2.3.1	5470-5725	6.2.4.1	5725-5825			1 watt	
Section	Test Item	Limit	Frequency Range (MHz)	Result																		
6.2.1.1	Peak Output Power	200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.	5150-5250	PASS																		
6.2.2.1		The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.	5250-5350																			
6.2.3.1			5470-5725																			
6.2.4.1			5725-5825																			
		1 watt																				
Test setup:	 The diagram illustrates the test setup. A Power Meter is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Power Meter and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.																					
Test procedure:	Measurement using an RF average power meter (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding $10 \log(1/x)$ where x is the duty cycle (e.g., $10 \log(1/0.25)$ if the duty cycle is 25 percent).																					
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) SISO:

Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	FCC Limit (dBm)	IC Limit (dBm)	Result
ANT1	802.11a	5180.00	13.94	0.47	14.41	24	23.01	Pass
ANT1	802.11a	5200.00	13.90	0.41	14.31	24	23.01	Pass
ANT1	802.11a	5240.00	14.01	0.47	14.48	24	23.01	Pass
ANT1	802.11n(HT20)	5180.00	13.54	0.56	14.10	24	23.01	Pass
ANT1	802.11n(HT20)	5200.00	13.18	0.49	13.67	24	23.01	Pass
ANT1	802.11n(HT20)	5240.00	13.45	0.55	14.00	24	23.01	Pass
ANT1	802.11ac(VHT20)	5180.00	12.95	0.48	13.43	24	23.01	Pass
ANT1	802.11ac(VHT20)	5200.00	13.23	0.55	13.78	24	23.01	Pass
ANT1	802.11ac(VHT20)	5240.00	13.58	0.14	13.72	24	23.01	Pass
ANT1	802.11n(HT40)	5190.00	13.08	0.91	13.99	24	23.01	Pass
ANT1	802.11n(HT40)	5230.00	12.88	0.94	13.82	24	23.01	Pass
ANT1	802.11ac(VHT40)	5190.00	13.06	1.06	14.12	24	23.01	Pass
ANT1	802.11ac(VHT40)	5230.00	12.86	1.06	13.92	24	23.01	Pass
ANT1	802.11ac(VHT80)	5210.00	12.93	1.66	14.59	24	23.01	Pass
ANT1	802.11ax(HE20)	5180.00	12.88	0.55	13.43	24	23.01	Pass
ANT1	802.11ax(HE20)	5200.00	12.81	0.62	13.43	24	23.01	Pass
ANT1	802.11ax(HE20)	5240.00	13.04	0.55	13.59	24	23.01	Pass
ANT1	802.11ax(HE40)	5190.00	13.08	1.06	14.14	24	23.01	Pass
ANT1	802.11ax(HE40)	5230.00	12.19	0.91	13.10	24	23.01	Pass
ANT1	802.11ax(HE80)	5210.00	12.08	1.66	13.74	24	23.01	Pass

Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	FCC Limit (dBm)	IC Limit (dBm)	Result
ANT2	802.11a	5180.00	12.39	0.47	12.69	24	23.01	Pass
ANT2	802.11a	5200.00	12.22	0.41	12.68	24	23.01	Pass
ANT2	802.11a	5240.00	12.27	0.47	11.79	24	23.01	Pass
ANT2	802.11n(HT20)	5180.00	11.32	0.56	12.16	24	23.01	Pass
ANT2	802.11n(HT20)	5200.00	11.60	0.49	12.03	24	23.01	Pass
ANT2	802.11n(HT20)	5240.00	11.54	0.55	11.92	24	23.01	Pass
ANT2	802.11ac(VHT20)	5180.00	11.37	0.48	12.12	24	23.01	Pass
ANT2	802.11ac(VHT20)	5200.00	11.64	0.55	12.24	24	23.01	Pass
ANT2	802.11ac(VHT20)	5240.00	11.69	0.14	11.70	24	23.01	Pass
ANT2	802.11n(HT40)	5190.00	11.56	0.91	12.25	24	23.01	Pass
ANT2	802.11n(HT40)	5230.00	11.34	0.94	12.41	24	23.01	Pass
ANT2	802.11ac(VHT40)	5190.00	11.47	1.06	12.36	24	23.01	Pass
ANT2	802.11ac(VHT40)	5230.00	11.30	1.06	12.06	24	23.01	Pass
ANT2	802.11ac(VHT80)	5210.00	11.00	1.66	13.13	24	23.01	Pass
ANT2	802.11ax(HE20)	5180.00	11.47	0.55	12.29	24	23.01	Pass
ANT2	802.11ax(HE20)	5200.00	11.74	0.62	12.21	24	23.01	Pass
ANT2	802.11ax(HE20)	5240.00	11.59	0.55	12.14	24	23.01	Pass
ANT2	802.11ax(HE40)	5190.00	11.59	1.06	12.39	24	23.01	Pass
ANT2	802.11ax(HE40)	5230.00	11.33	0.91	12.00	24	23.01	Pass
ANT2	802.11ax(HE80)	5210.00	11.09	1.66	13.74	24	23.01	Pass

Condition	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	802.11a	5180.00	89.74	0.47
NVNT	802.11a	5200.00	90.91	0.41
NVNT	802.11a	5240.00	89.74	0.47
NVNT	802.11n(HT20)	5180.00	87.88	0.56
NVNT	802.11n(HT20)	5200.00	89.23	0.49
NVNT	802.11n(HT20)	5240.00	88.06	0.55
NVNT	802.11ac(VHT20)	5180.00	89.55	0.48
NVNT	802.11ac(VHT20)	5200.00	88.06	0.55
NVNT	802.11ac(VHT20)	5240.00	96.72	0.14
NVNT	802.11n(HT40)	5190.00	81.08	0.91
NVNT	802.11n(HT40)	5230.00	80.56	0.94
NVNT	802.11ac(VHT40)	5190.00	78.38	1.06
NVNT	802.11ac(VHT40)	5230.00	78.38	1.06
NVNT	802.11ac(VHT80)	5210.00	68.18	1.66
NVNT	802.11ax(HE20)	5180.00	88.06	0.55
NVNT	802.11ax(HE20)	5200.00	86.76	0.62
NVNT	802.11ax(HE20)	5240.00	88.06	0.55
NVNT	802.11ax(HE40)	5190.00	78.38	1.06
NVNT	802.11ax(HE40)	5230.00	81.08	0.91
NVNT	802.11ax(HE80)	5210.00	68.18	1.66

MIMO:

Antenna	Modulation	Frequency (MHz)	ANT1 Power(dBm)	ANT2 Power(dBm)	Total Power(dBm)	FCC Limit (dBm)	IC Limit (dBm)	Result
ANT1+2	802.11n(HT20)	5180.00	14.10	12.16	16.25	24	23.01	Pass
ANT1+2	802.11n(HT20)	5200.00	13.67	12.03	15.94	24	23.01	Pass
ANT1+2	802.11n(HT20)	5240.00	14.00	11.92	16.09	24	23.01	Pass
ANT1+2	802.11ac(VHT20)	5180.00	13.43	12.12	15.83	24	23.01	Pass
ANT1+2	802.11ac(VHT20)	5200.00	13.78	12.24	16.09	24	23.01	Pass
ANT1+2	802.11ac(VHT20)	5240.00	13.72	11.70	15.84	24	23.01	Pass
ANT1+2	802.11n(HT40)	5190.00	13.99	12.25	16.22	24	23.01	Pass
ANT1+2	802.11n(HT40)	5230.00	13.82	12.41	16.18	24	23.01	Pass
ANT1+2	802.11ac(VHT40)	5190.00	14.12	12.36	16.34	24	23.01	Pass
ANT1+2	802.11ac(VHT40)	5230.00	13.92	12.06	16.10	24	23.01	Pass
ANT1+2	802.11ac(VHT80)	5210.00	14.59	13.13	16.93	24	23.01	Pass
ANT1+2	802.11ax(HE20)	5180.00	13.43	12.29	15.91	24	23.01	Pass
ANT1+2	802.11ax(HE20)	5200.00	13.43	12.21	15.87	24	23.01	Pass
ANT1+2	802.11ax(HE20)	5240.00	13.59	12.14	15.94	24	23.01	Pass
ANT1+2	802.11ax(HE40)	5190.00	14.14	12.39	16.36	24	23.01	Pass
ANT1+2	802.11ax(HE40)	5230.00	13.10	12.00	15.60	24	23.01	Pass
ANT1+2	802.11ax(HE80)	5210.00	13.74	13.74	16.75	24	23.01	Pass