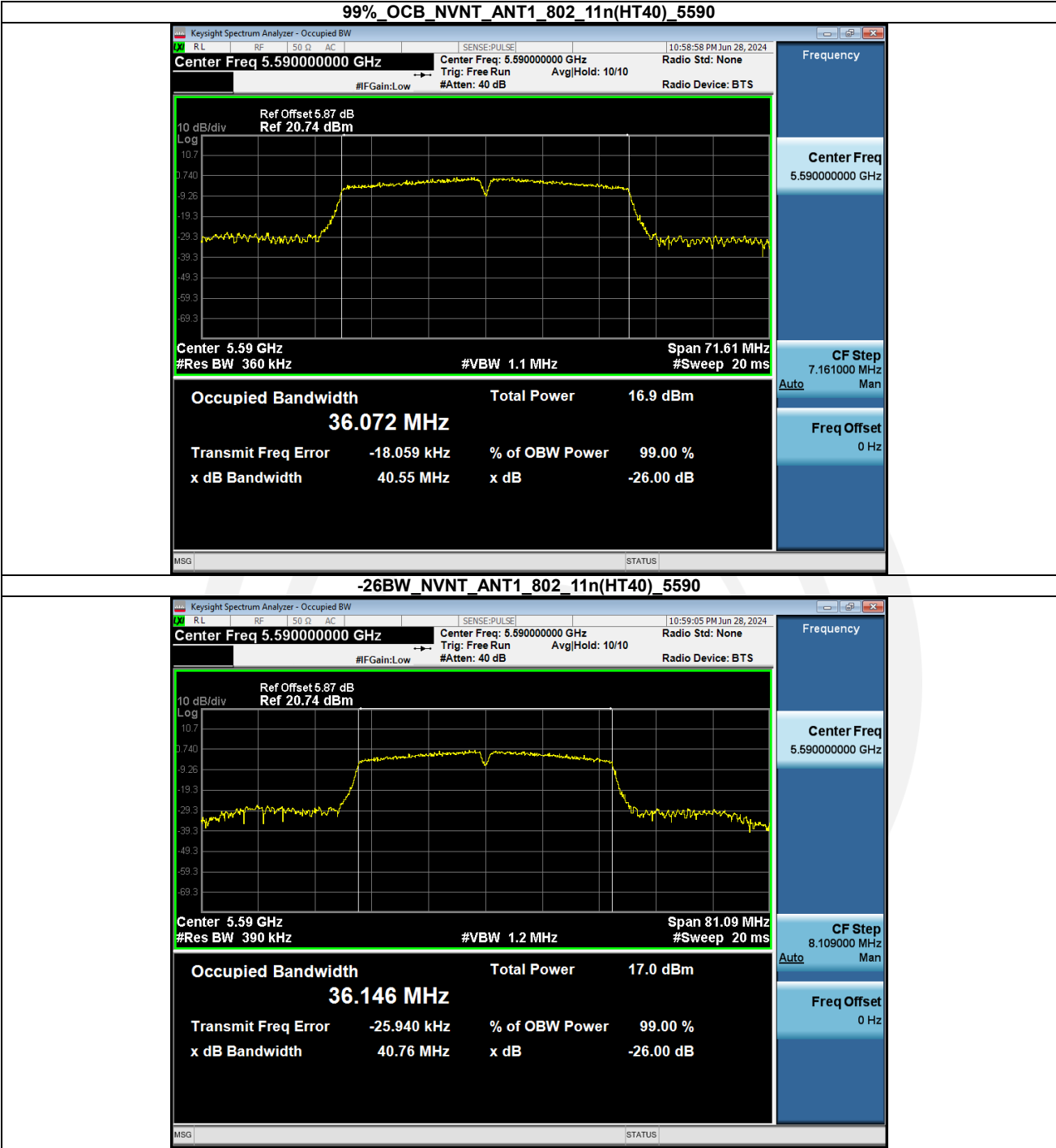
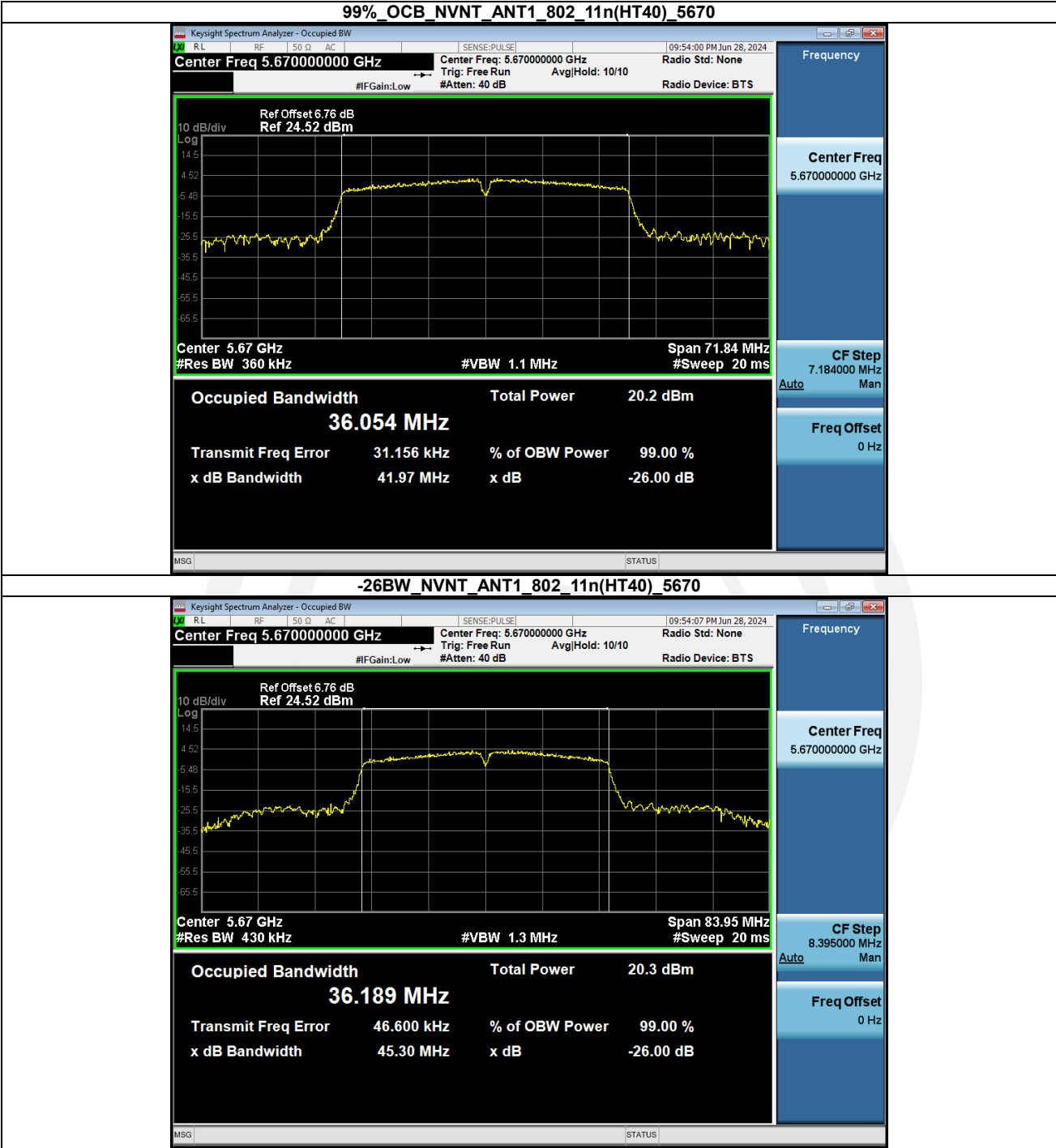
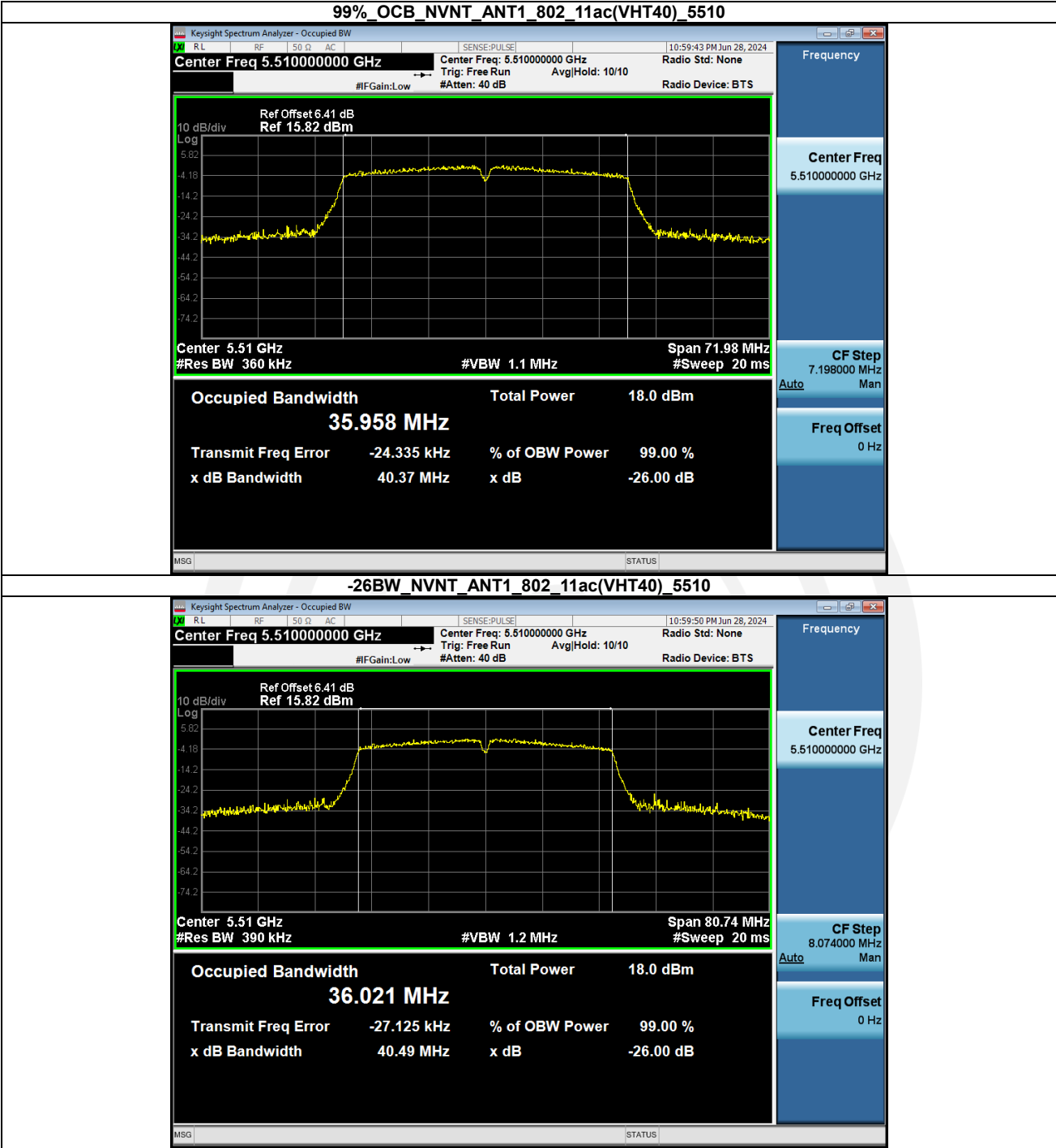
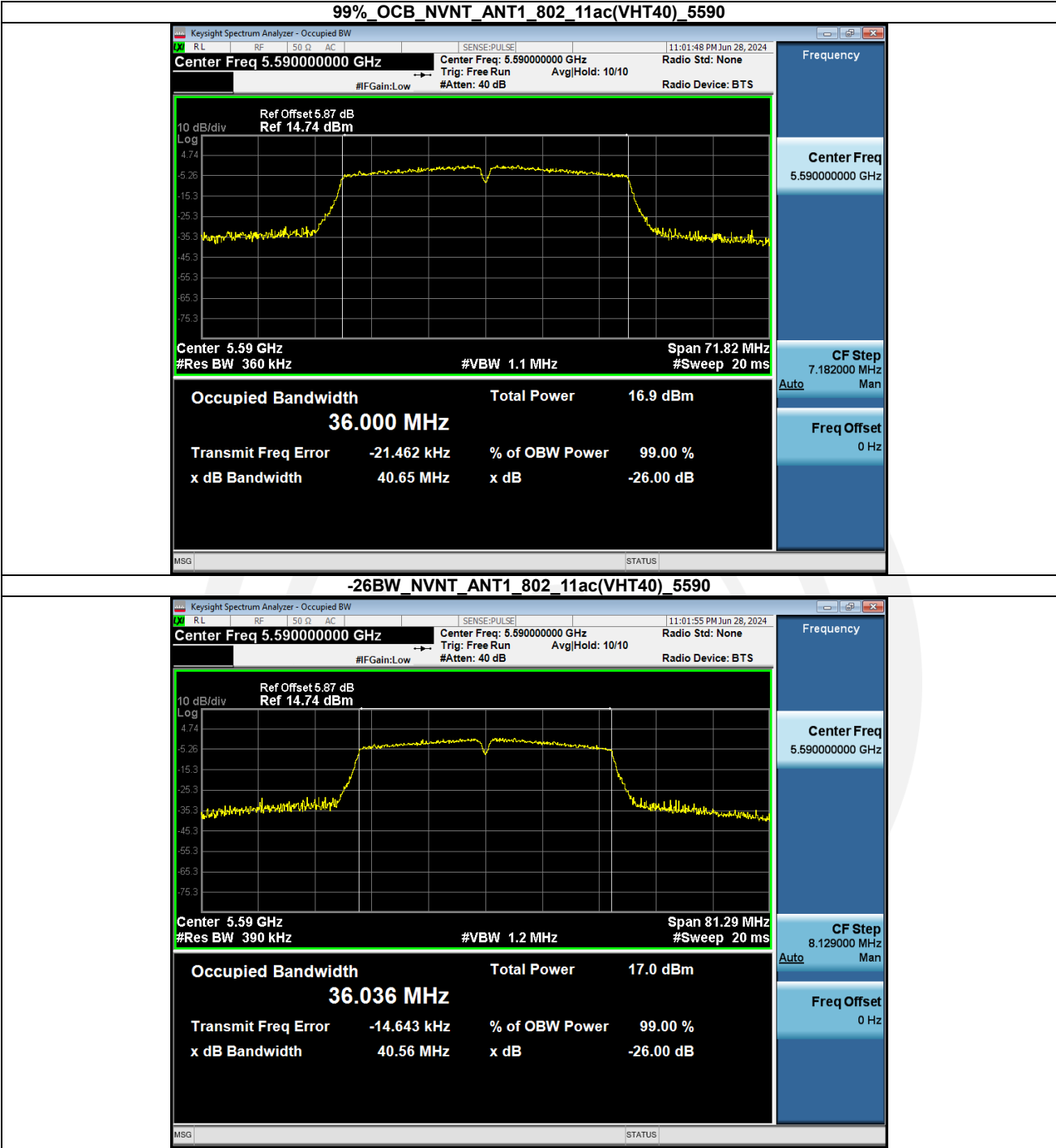
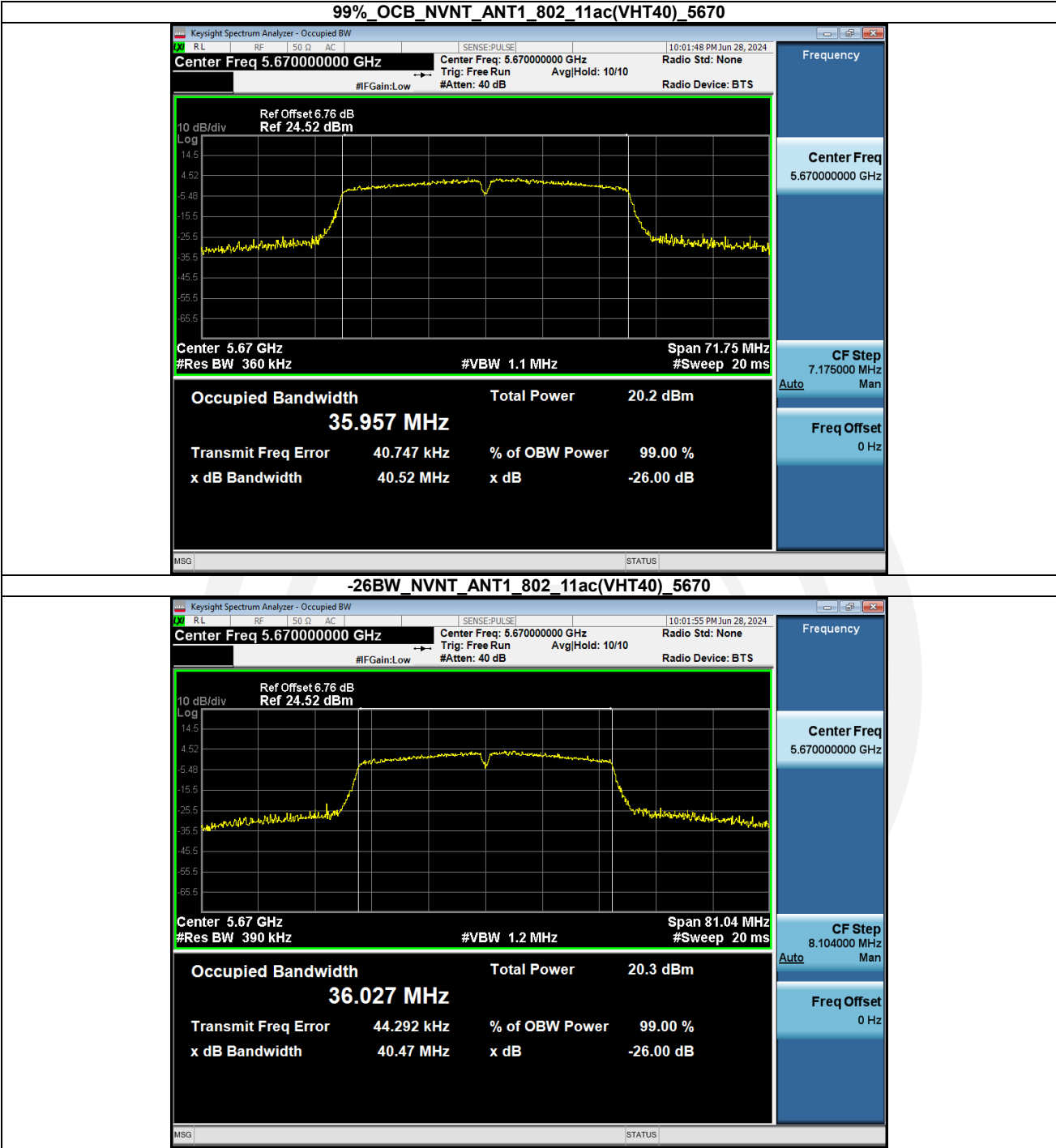


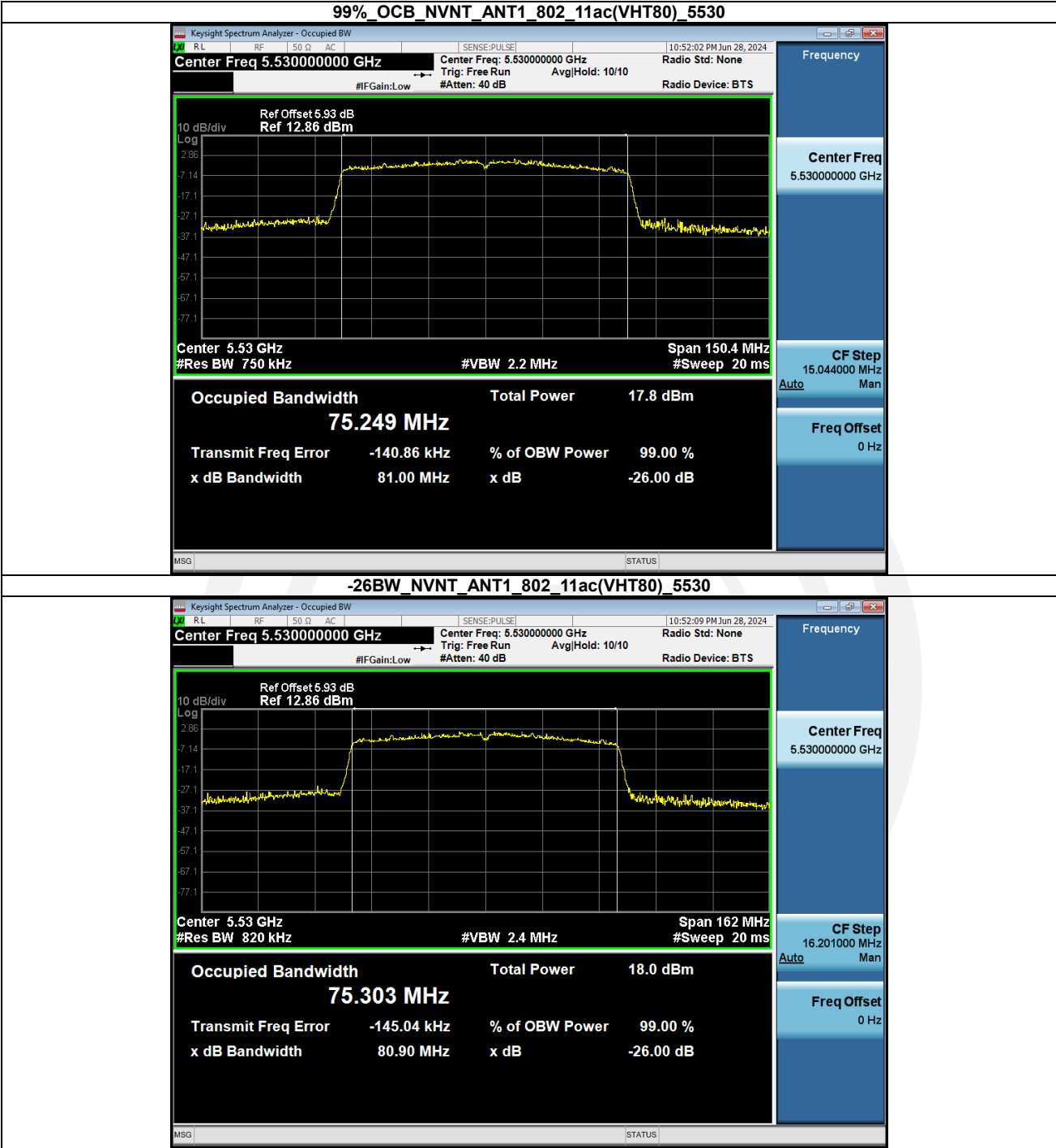


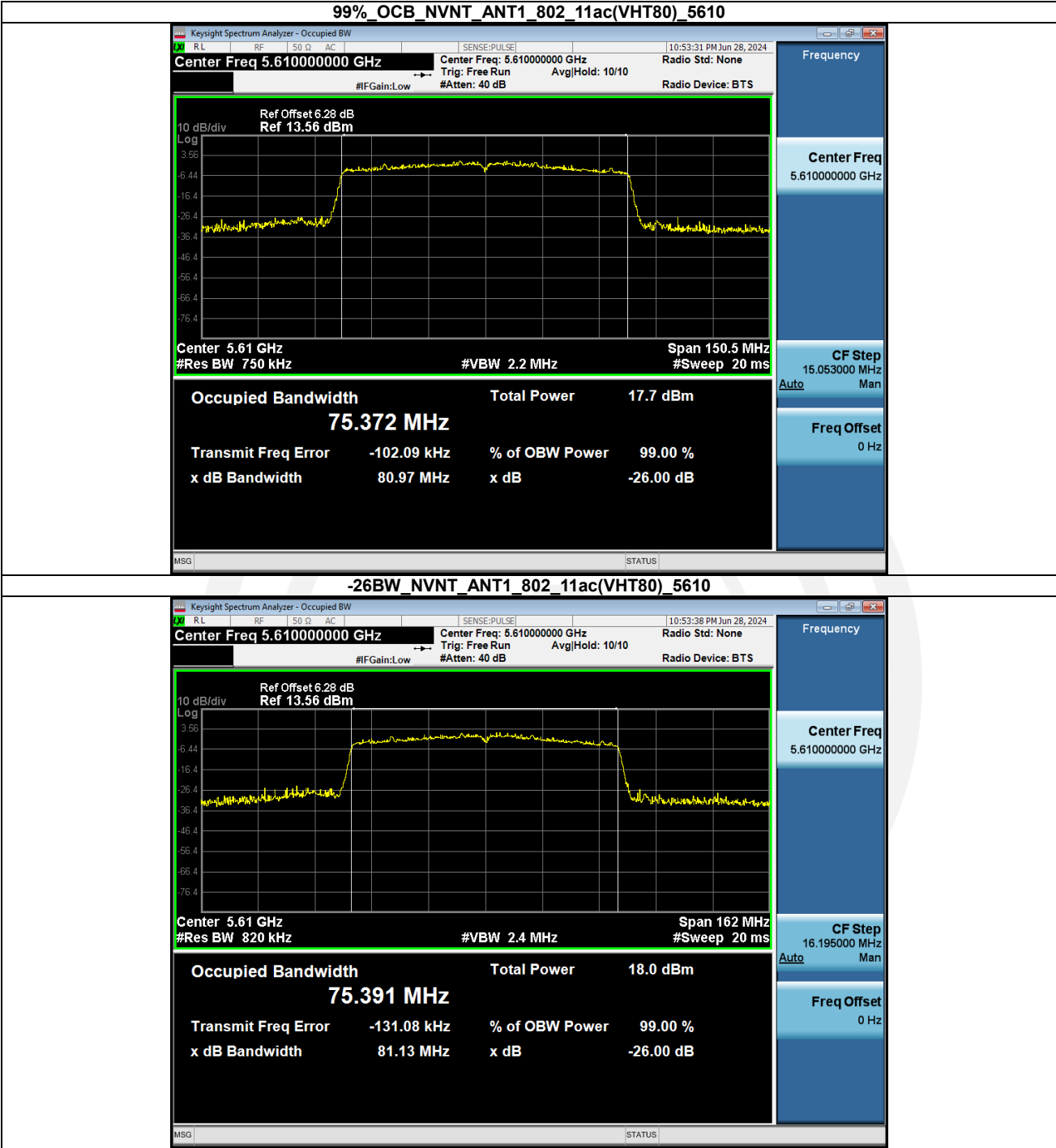


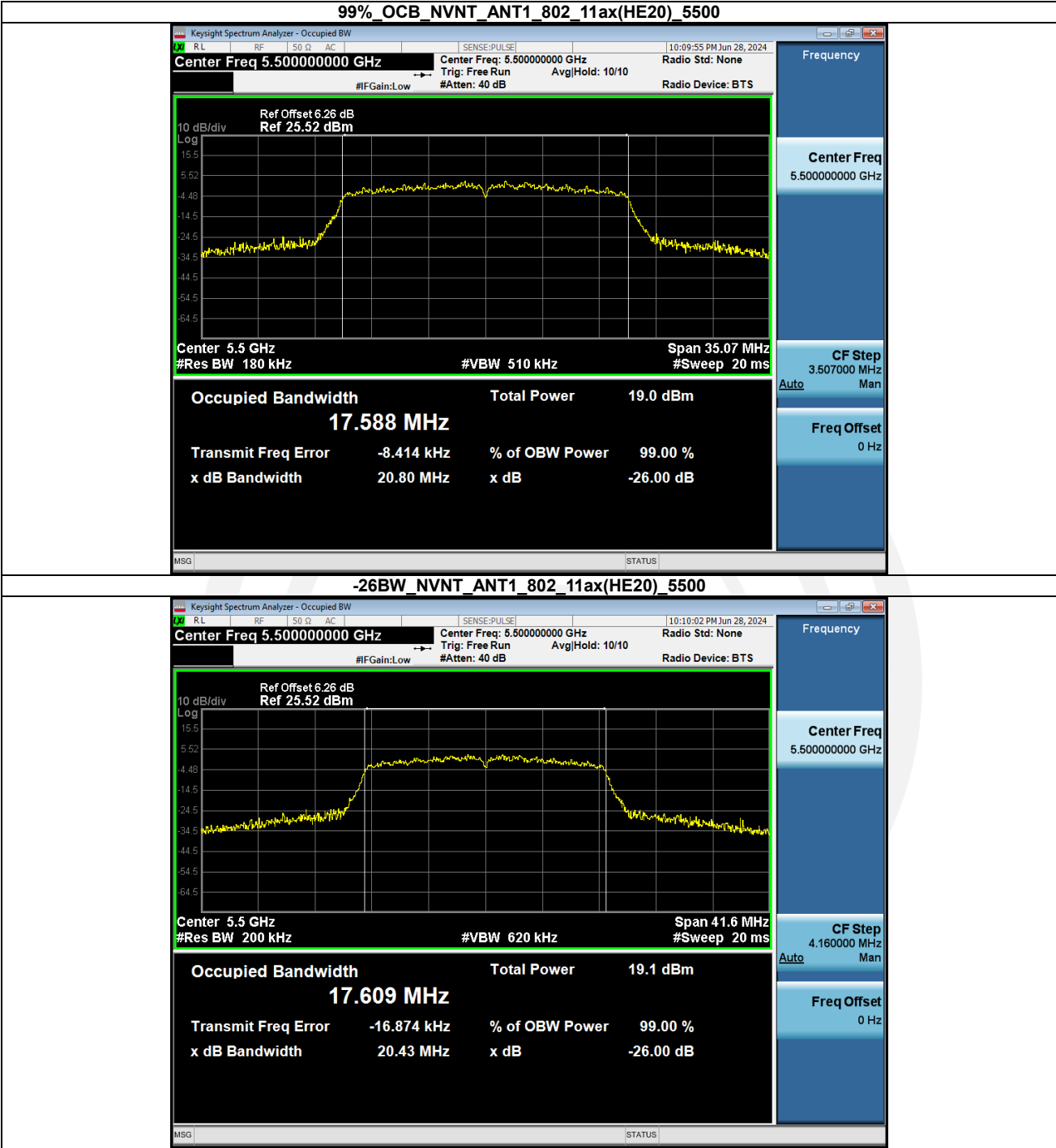


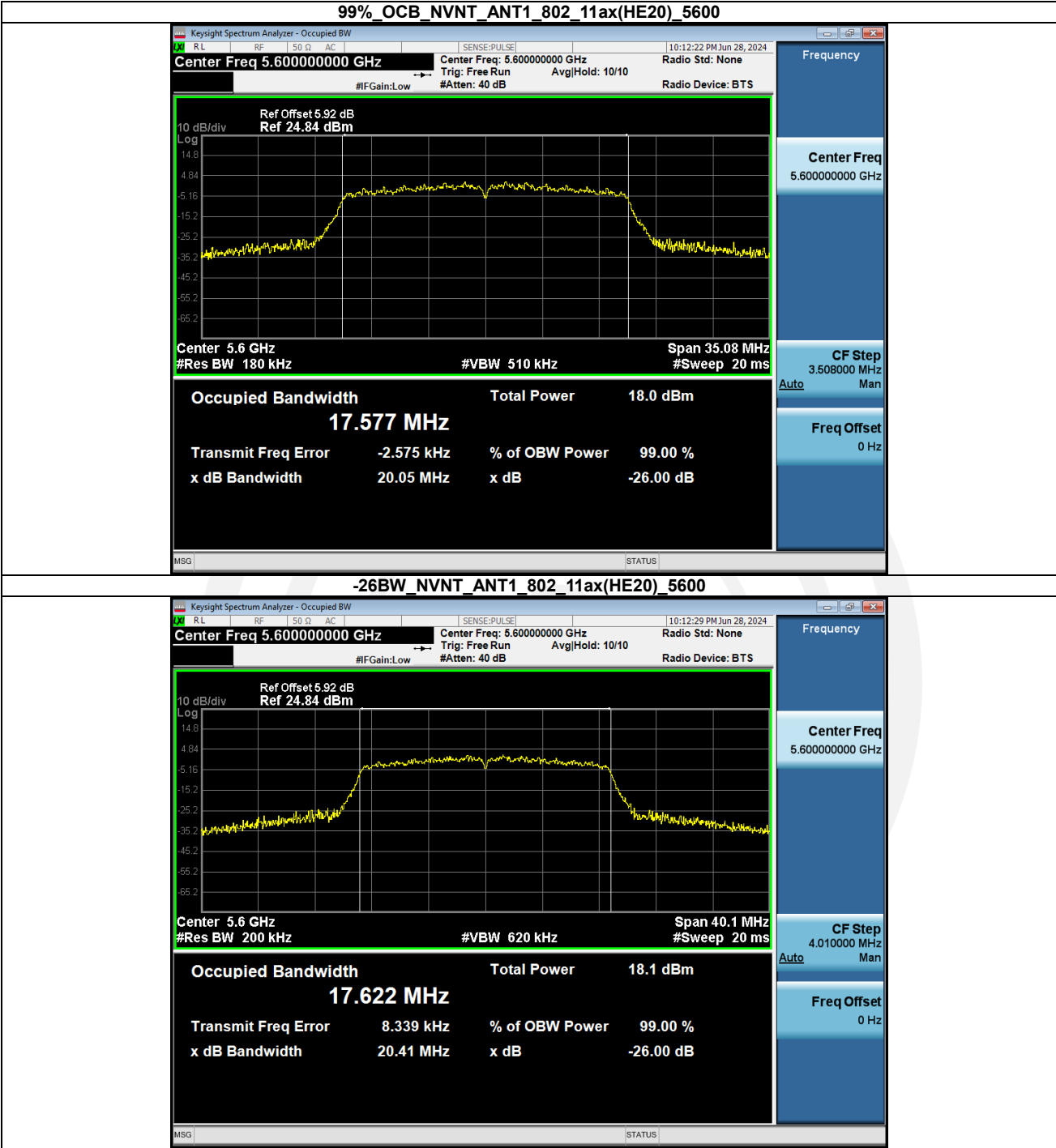


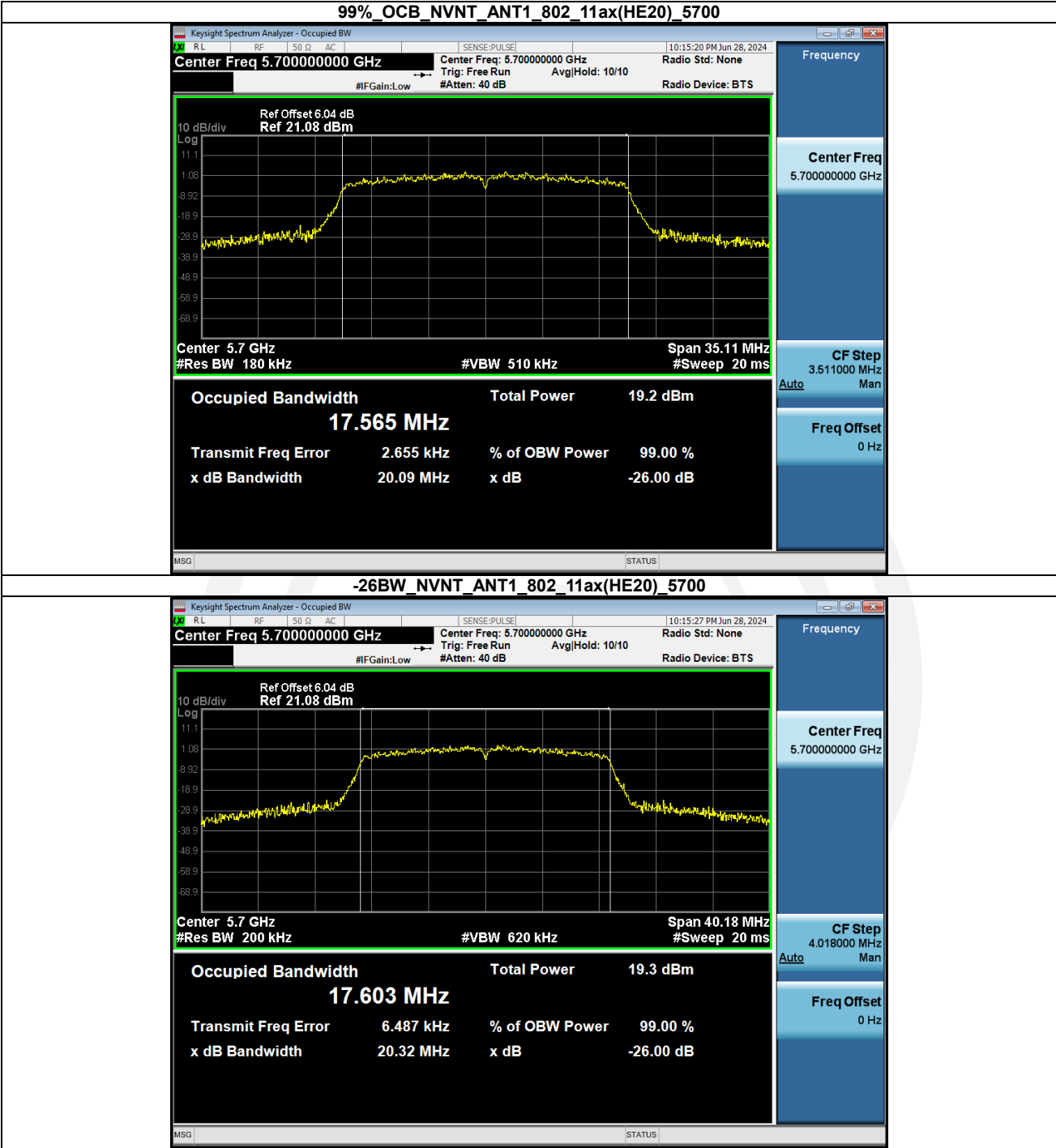


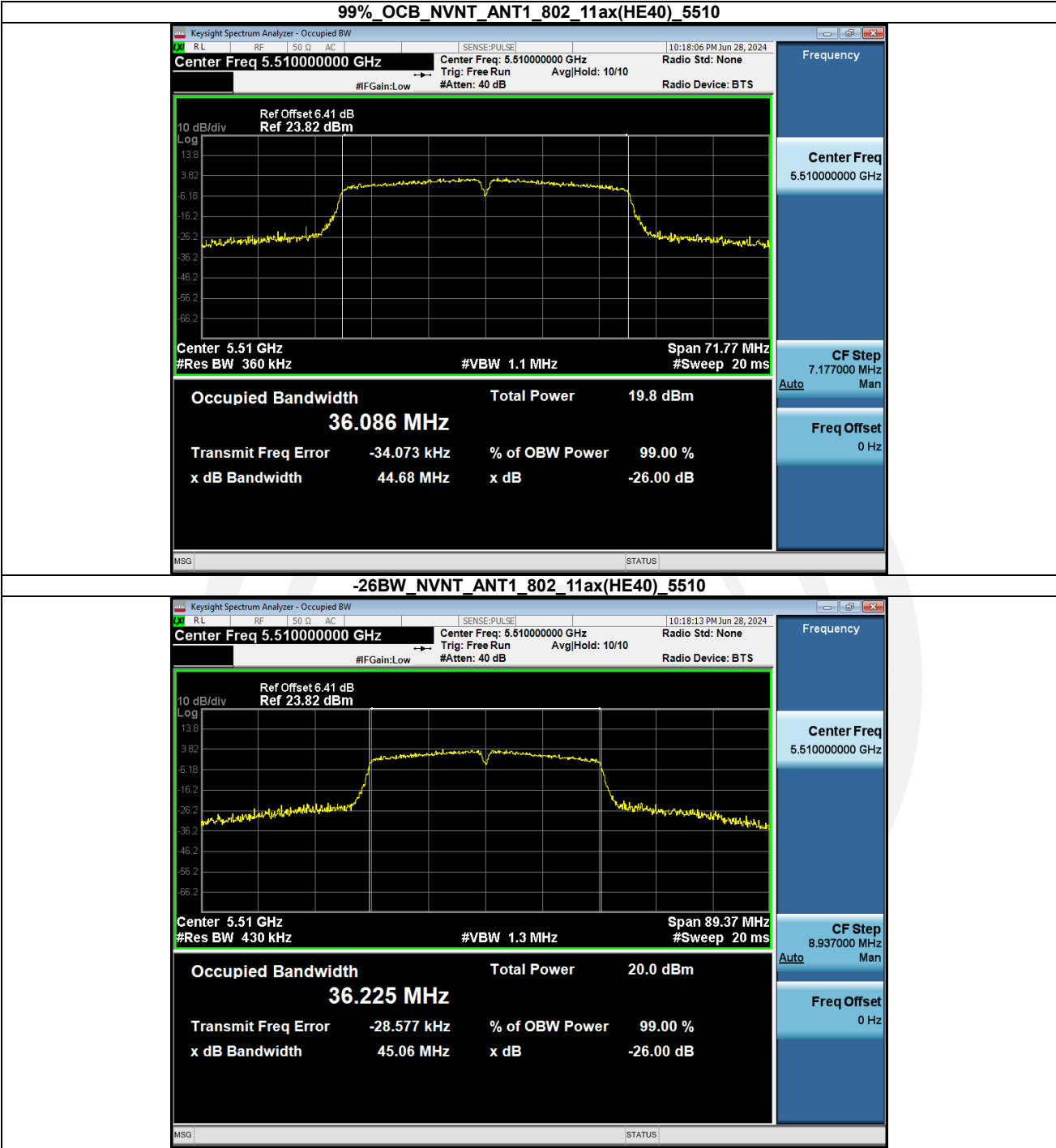


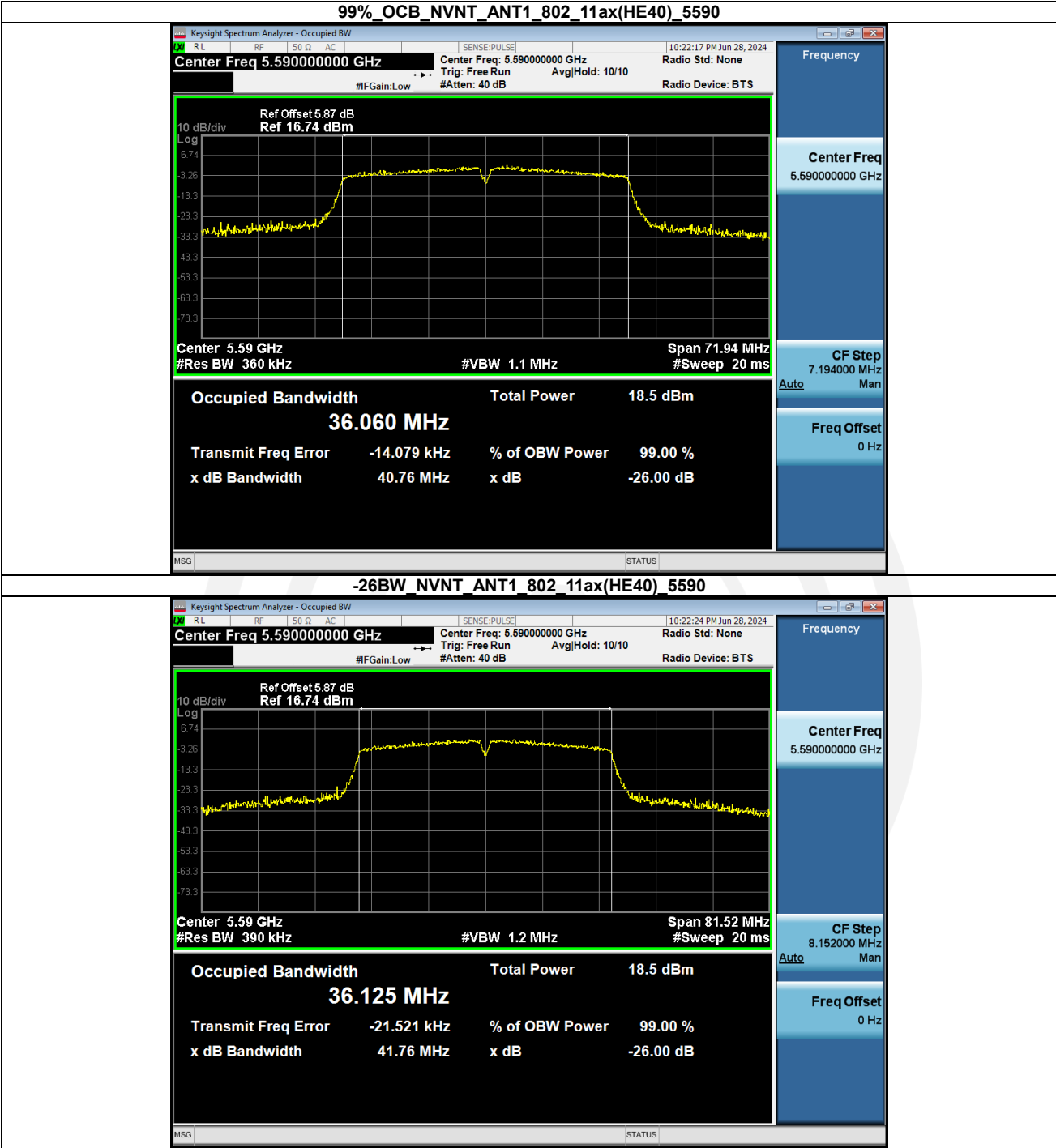


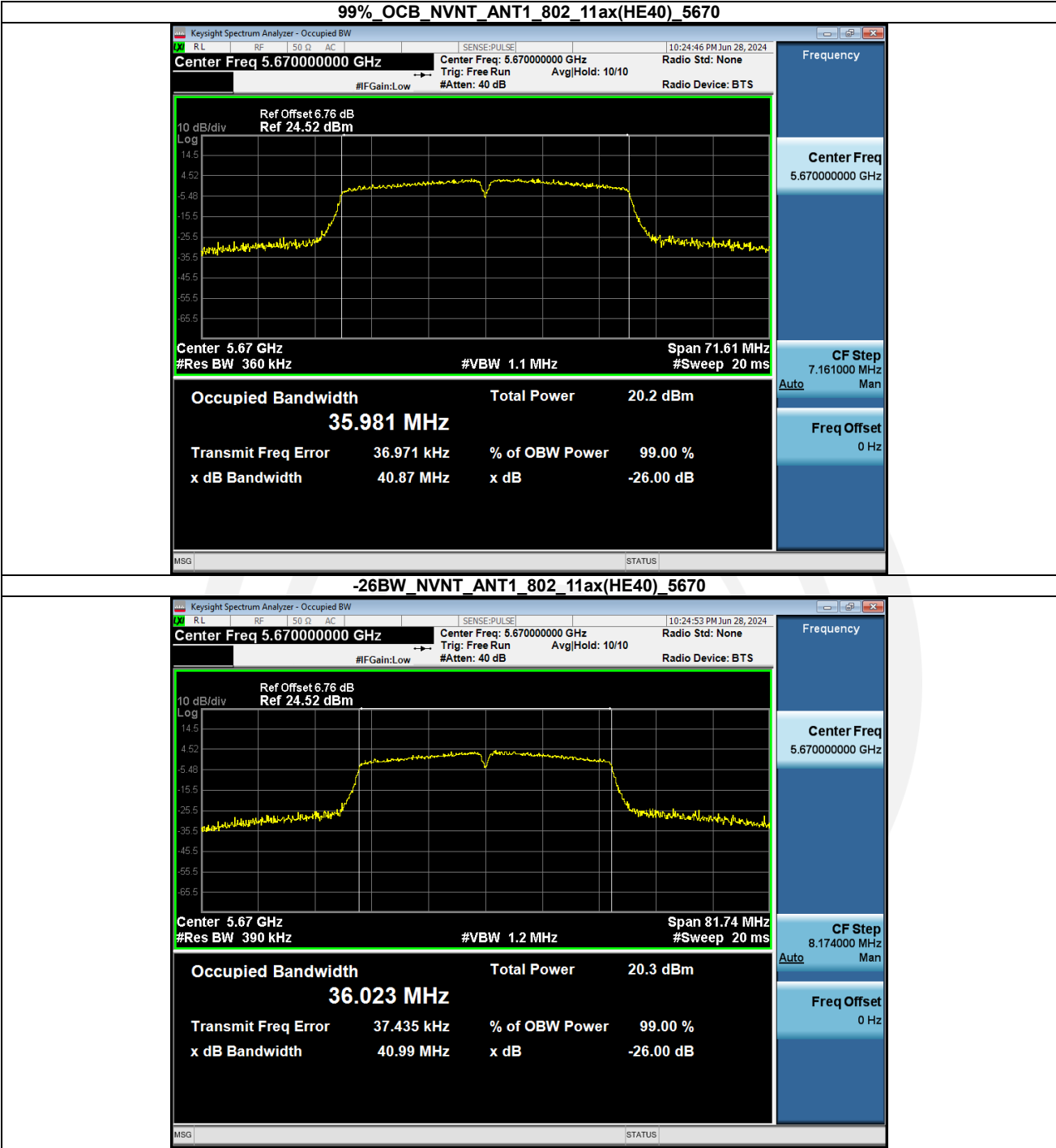


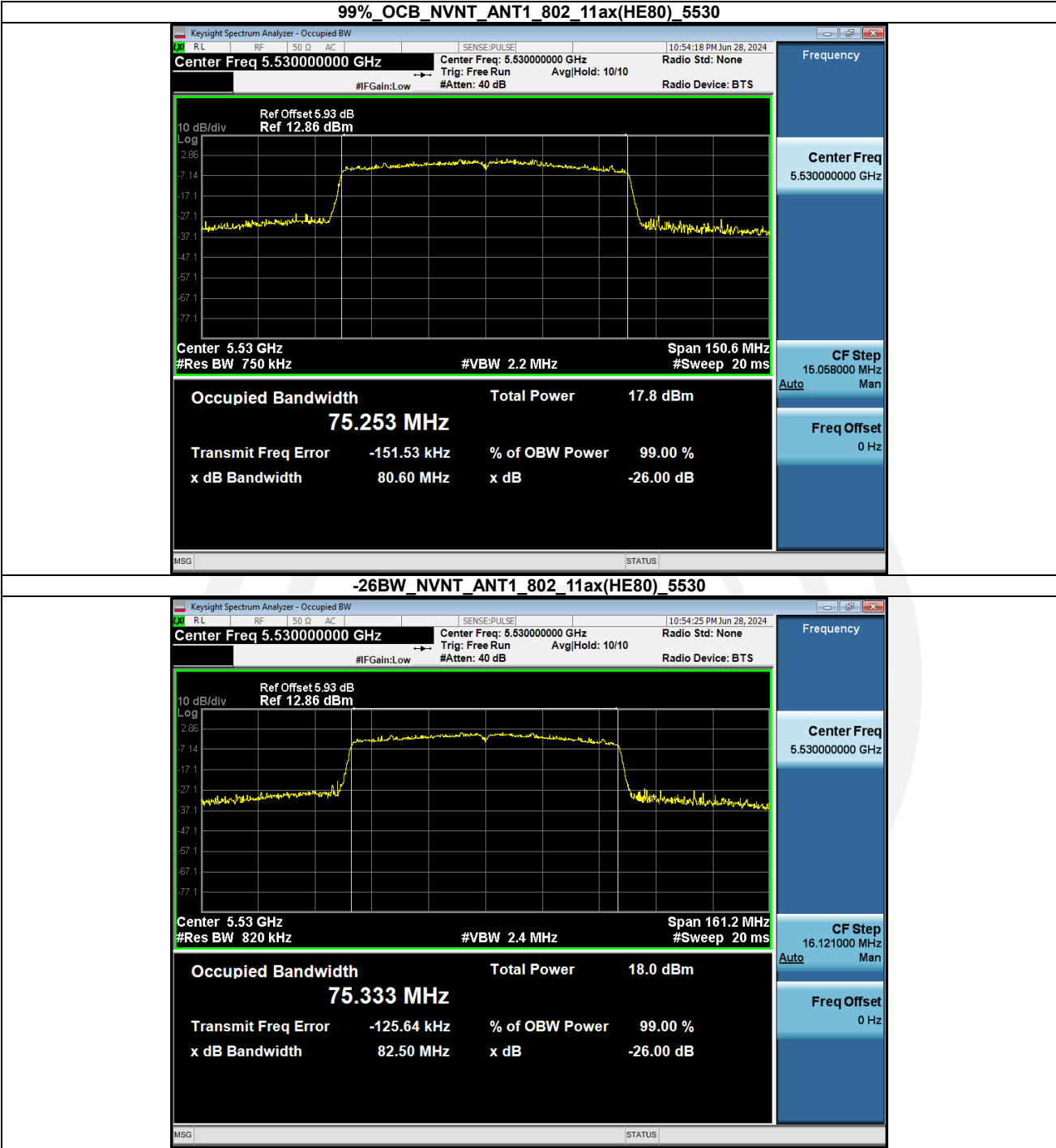


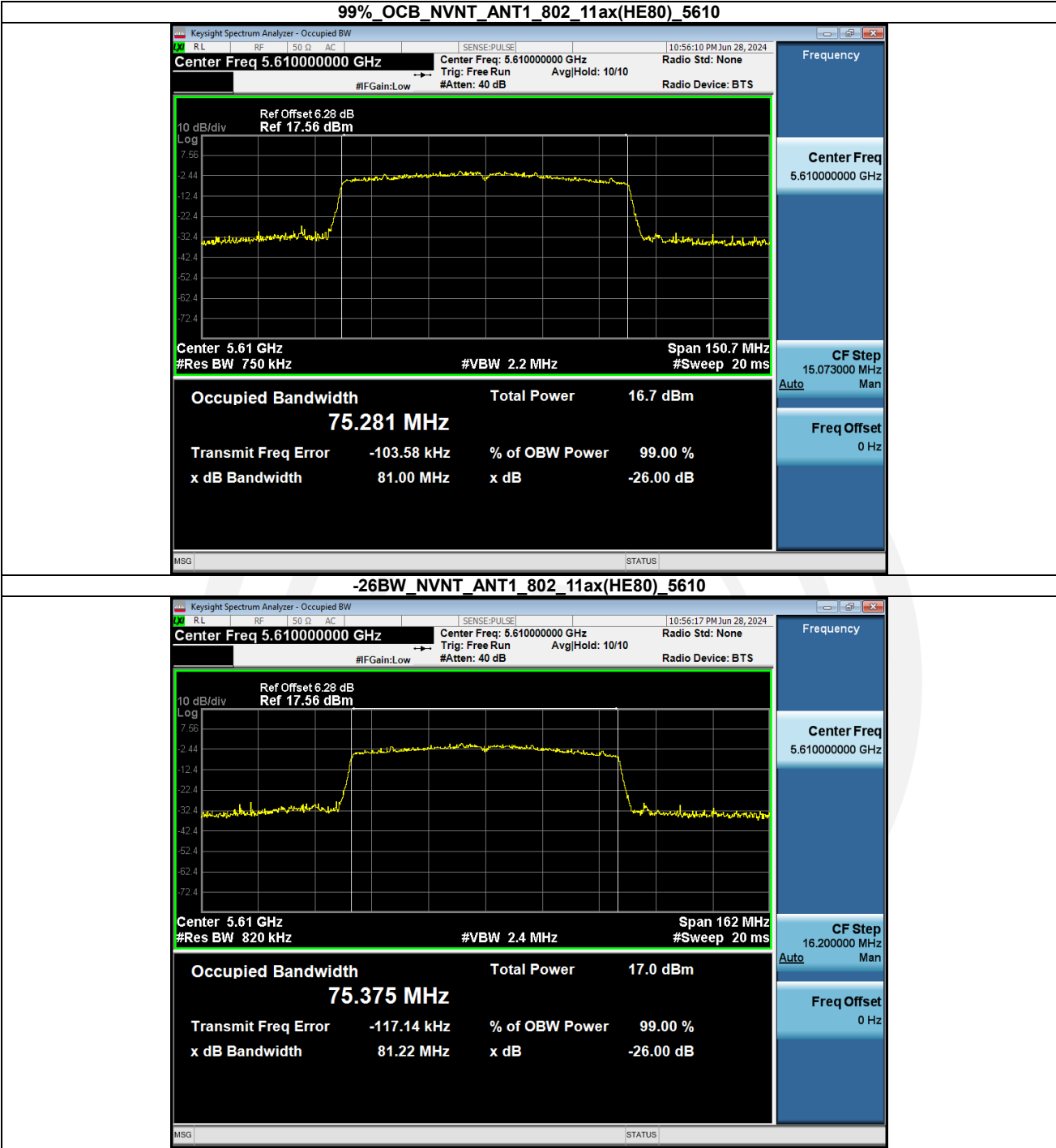






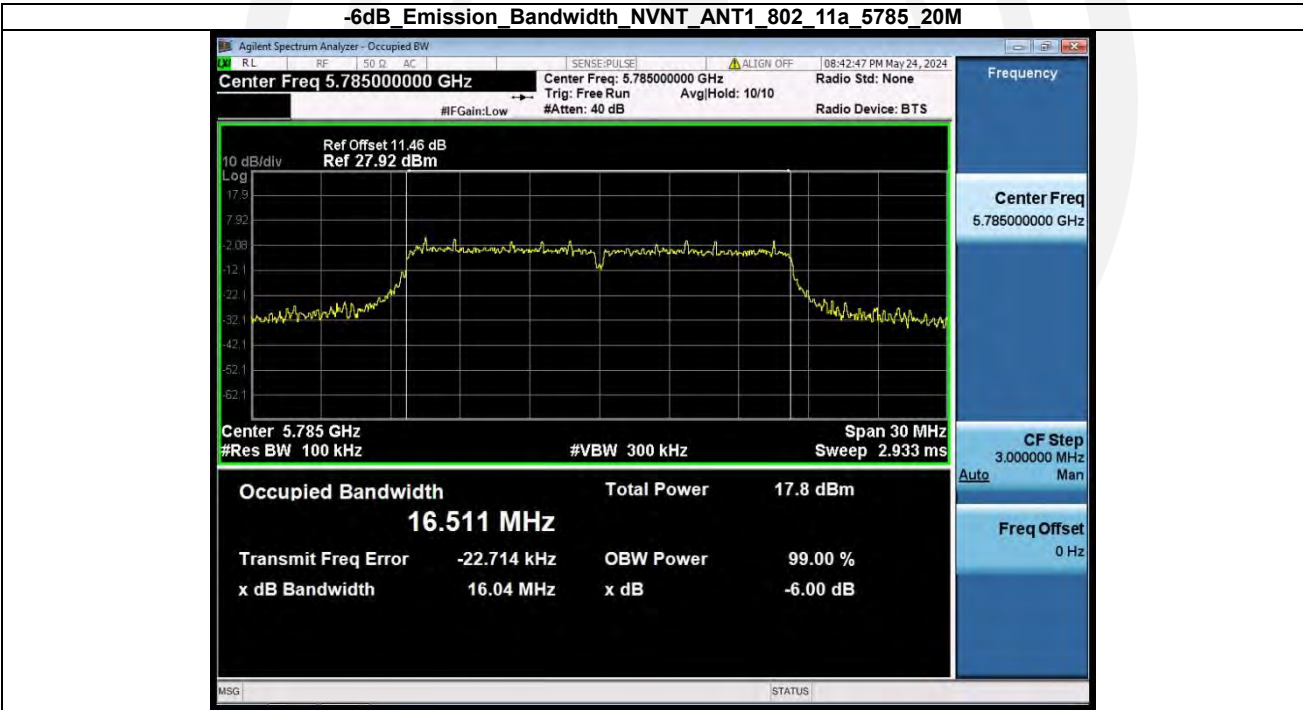


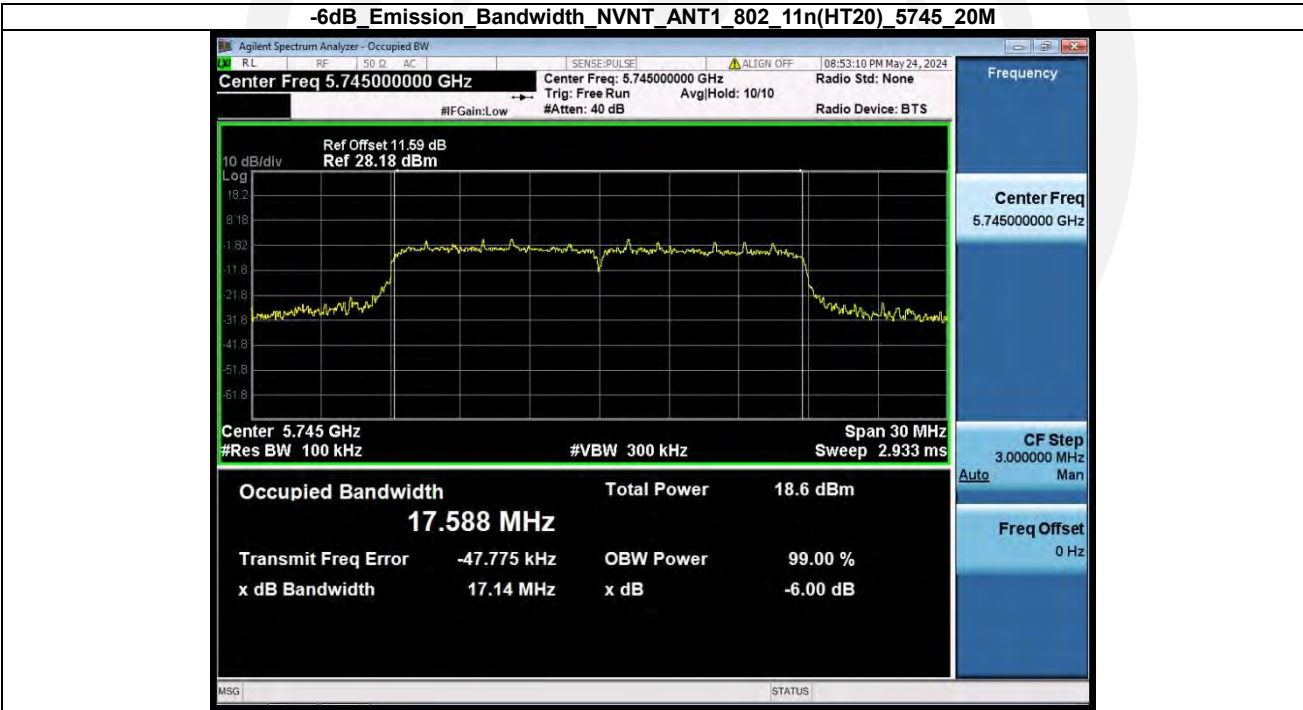


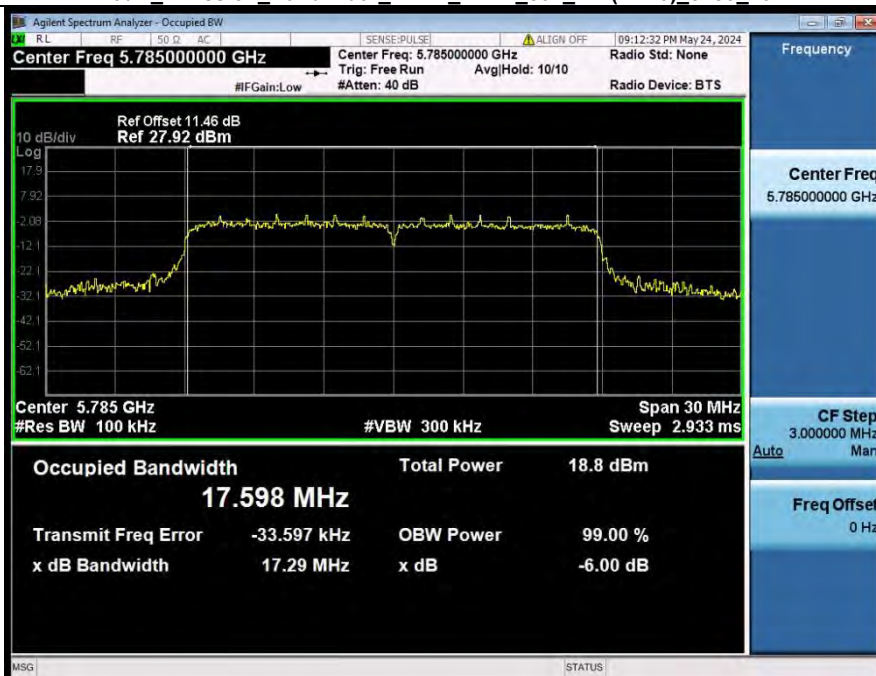
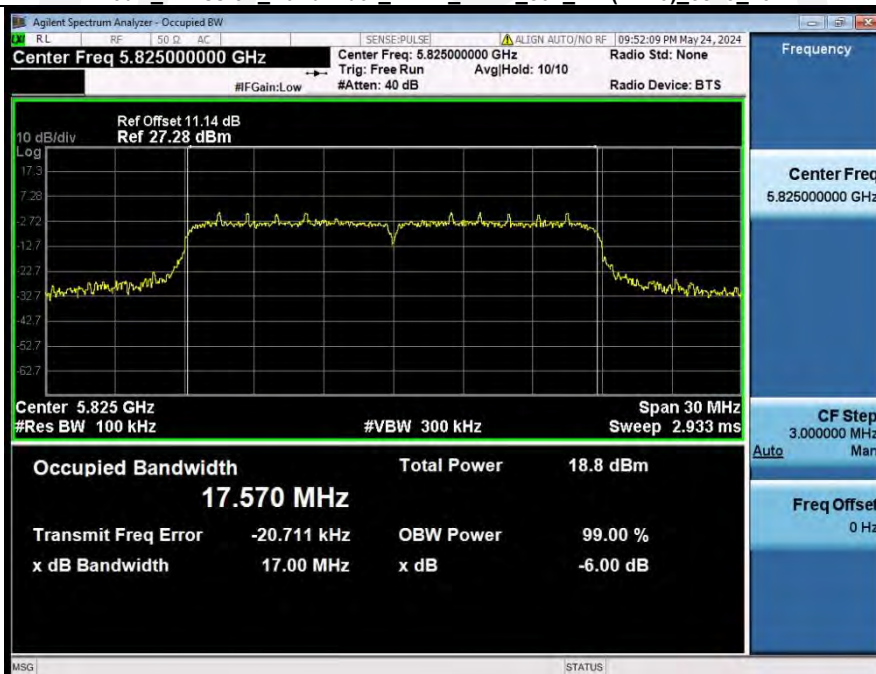


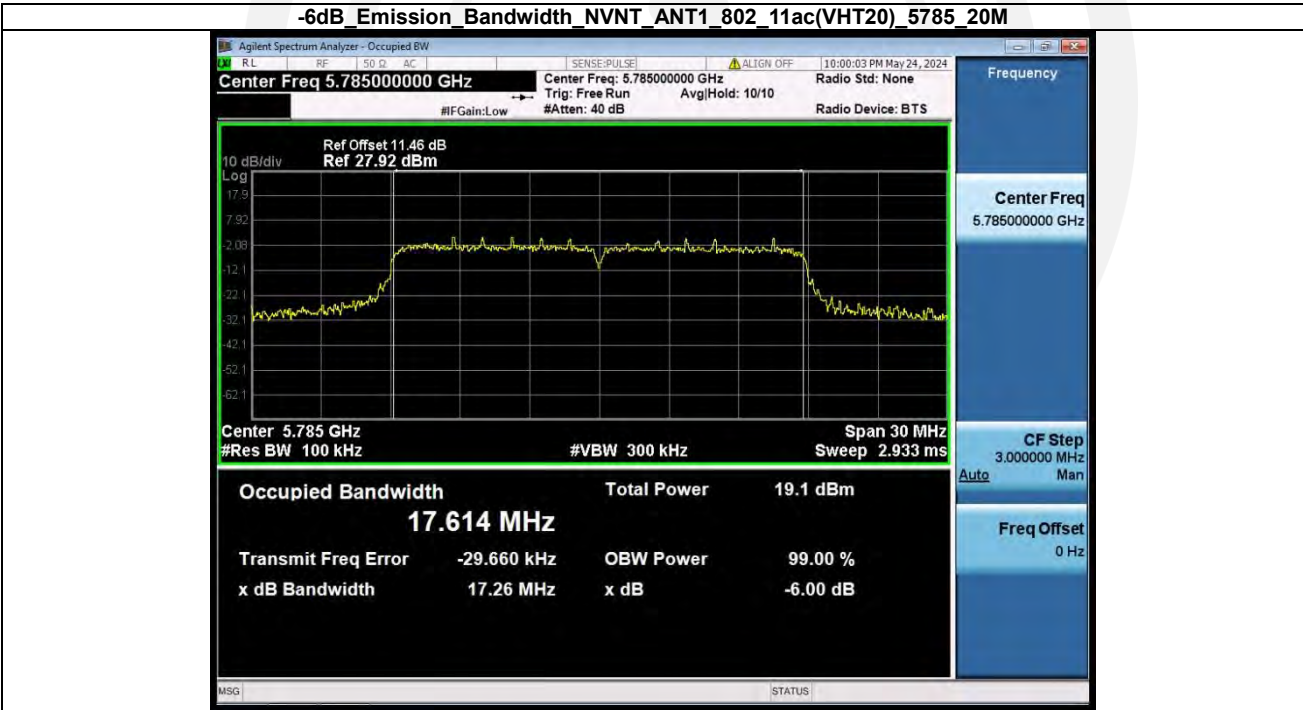
Band 4 (5725-5850 MHz):

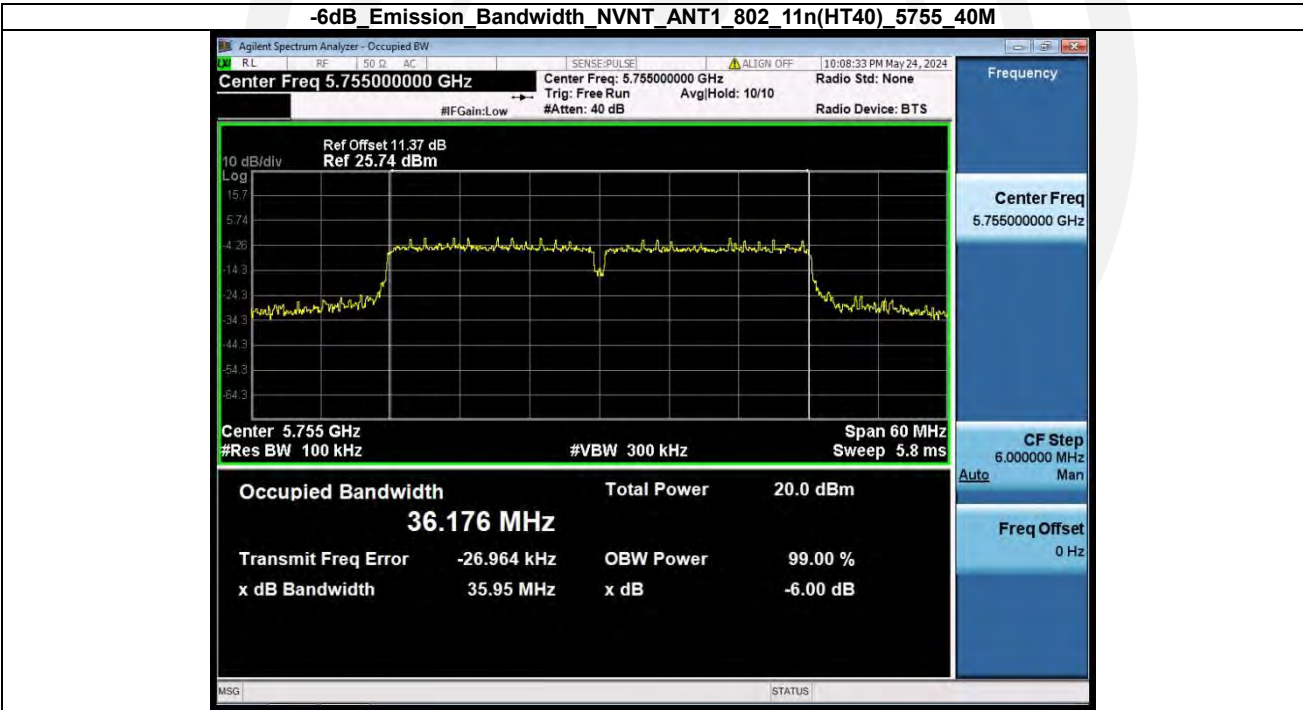
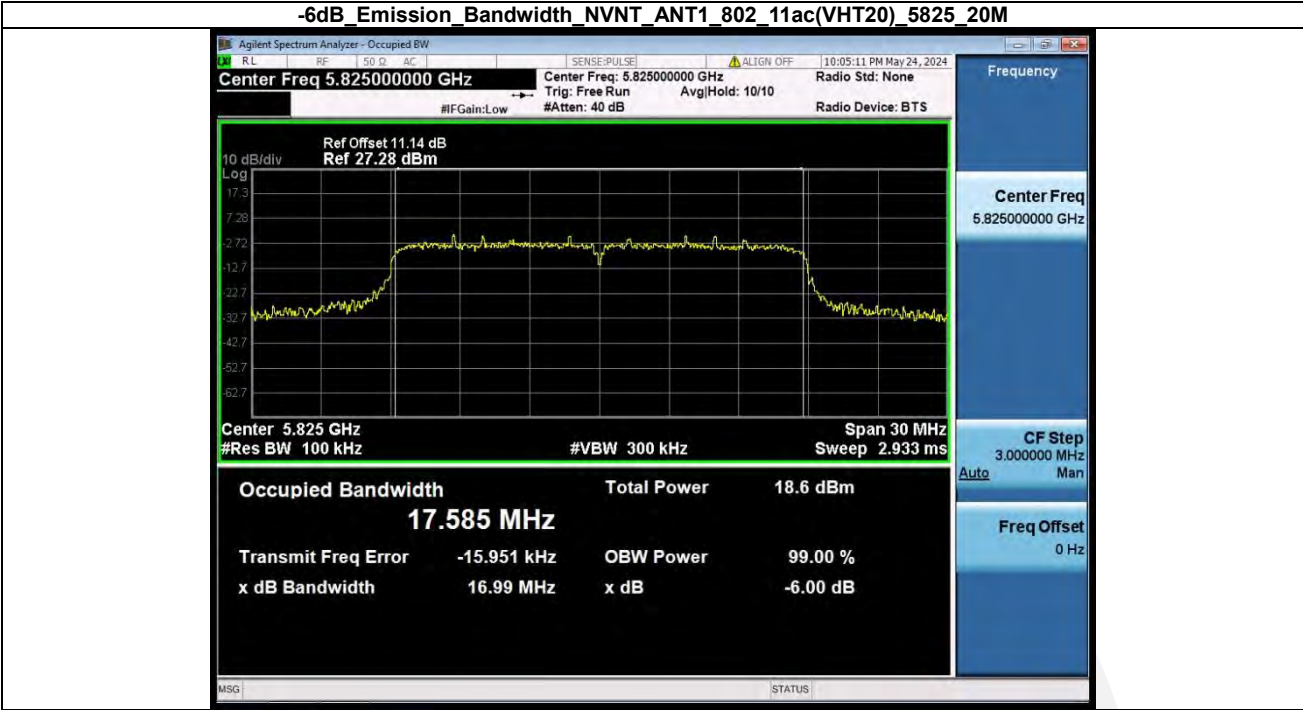
Condition	Antenna	Mode	Frequency(MHz)	6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.338	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.043	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.350	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.136	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	17.287	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	17.000	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	16.585	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	17.265	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	16.994	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.951	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	36.035	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	35.951	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	36.225	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	75.655	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	16.879	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	17.169	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	17.064	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	35.437	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	35.963	0.500	Pass
NVNT	ANT1	802.11ax(HE80)	5775.00	75.727	0.500	Pass

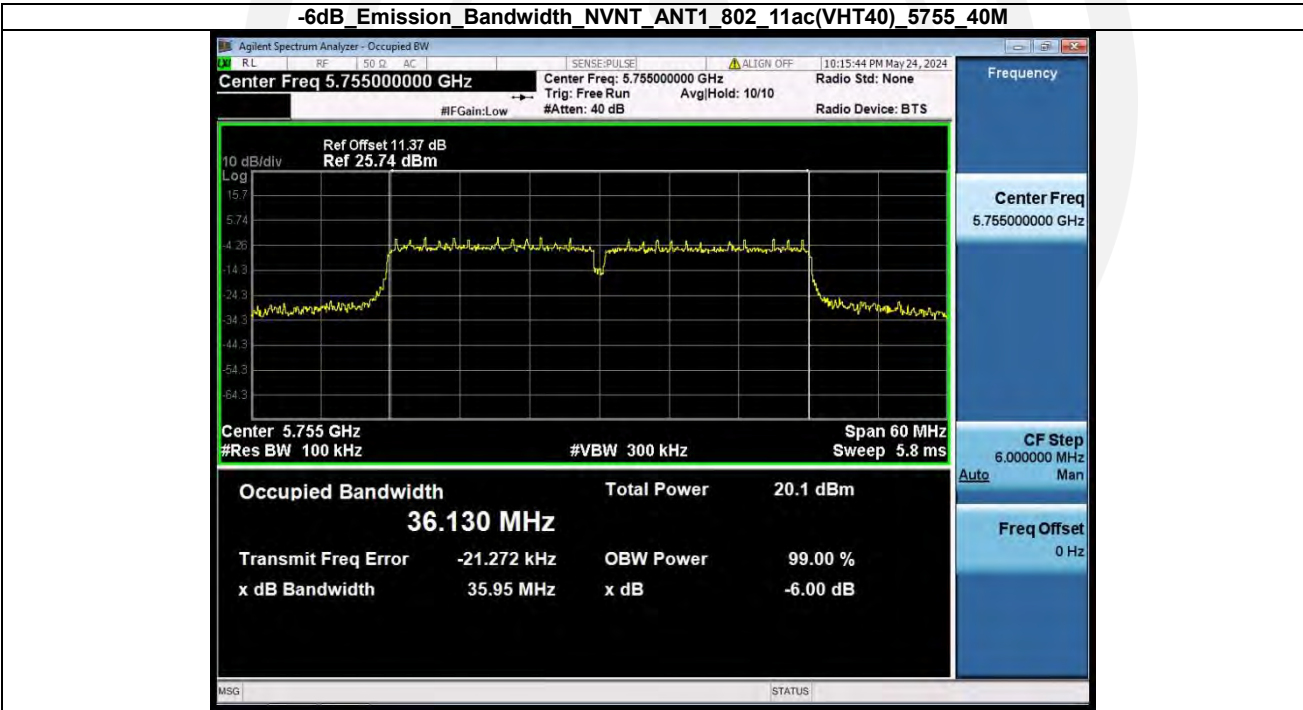
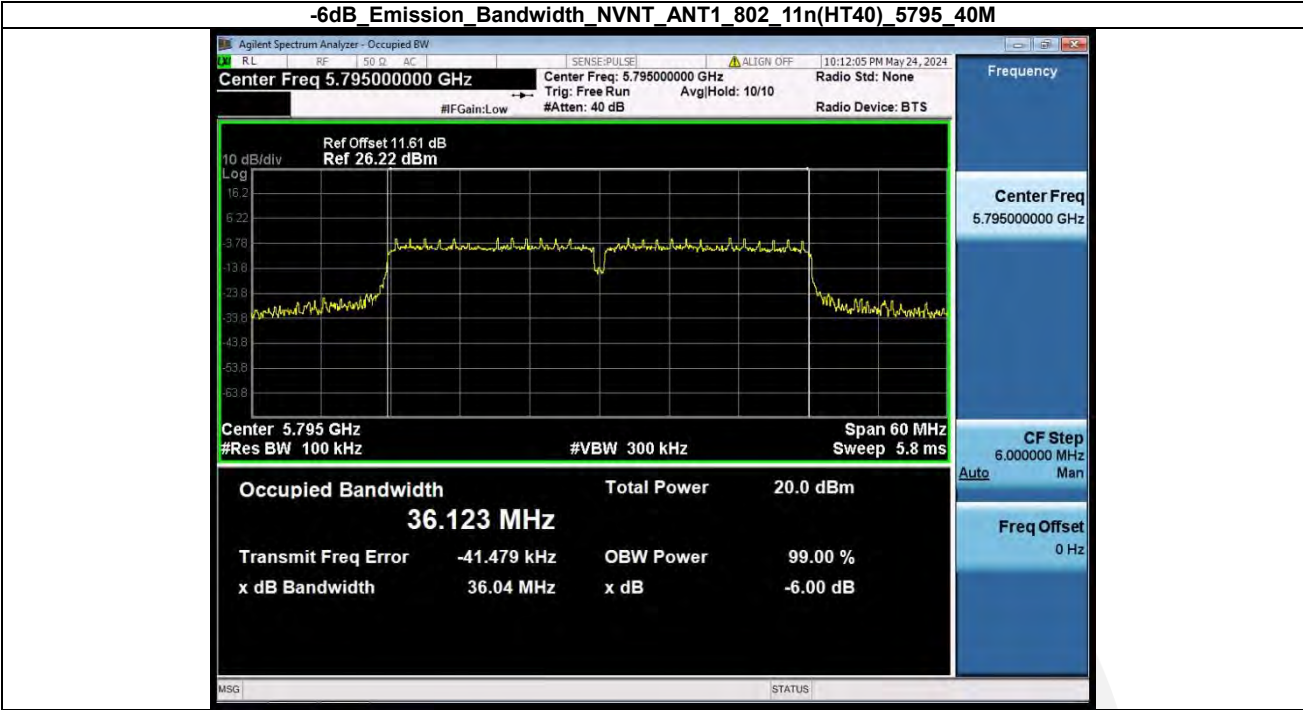


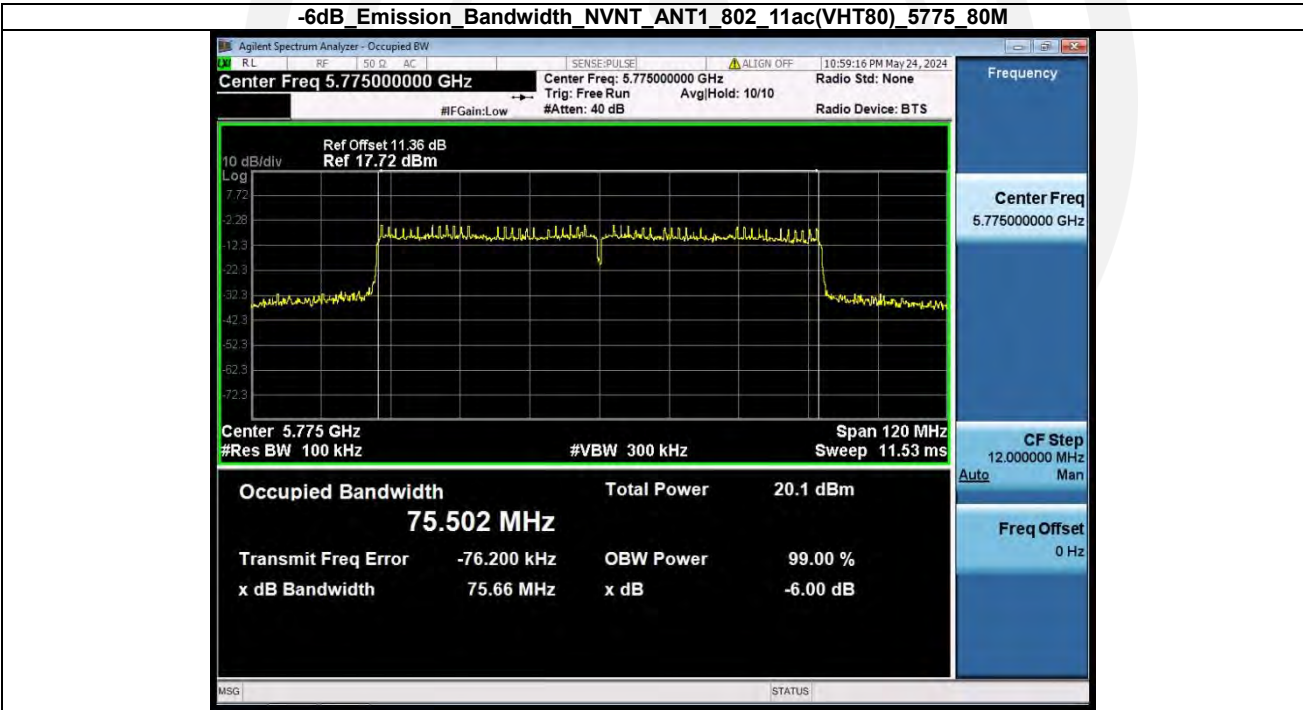
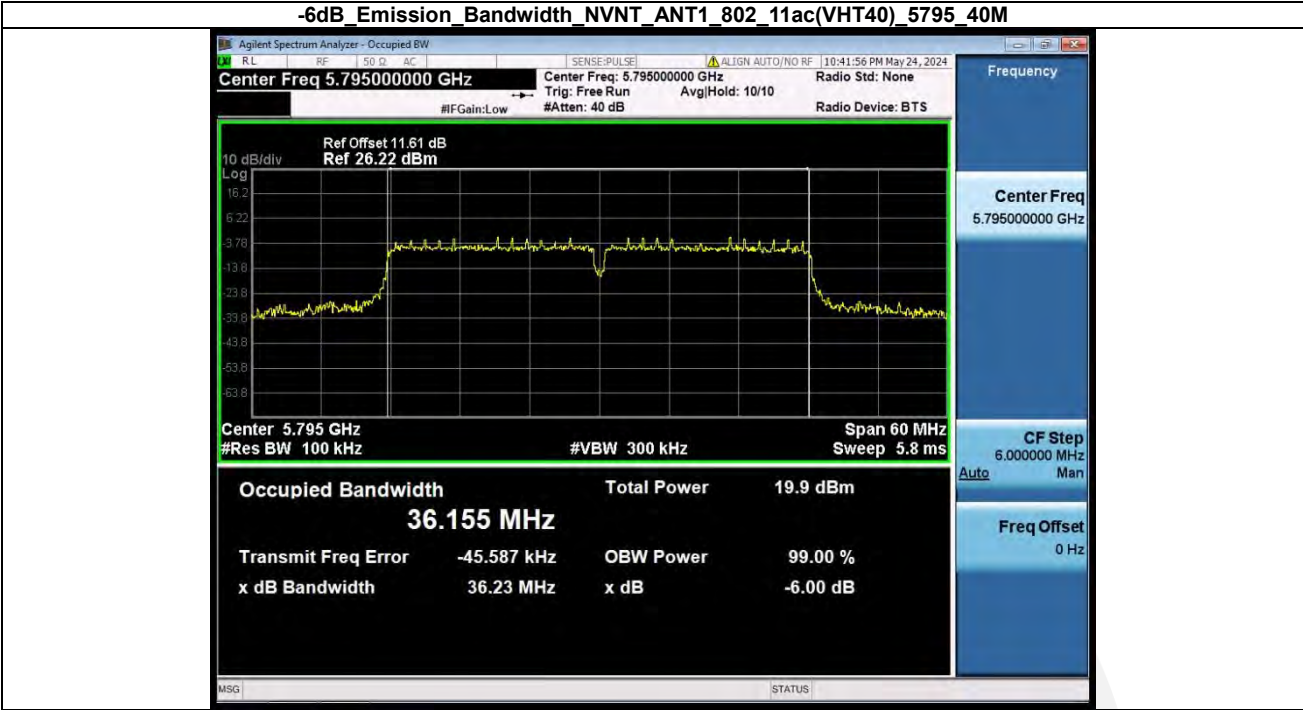


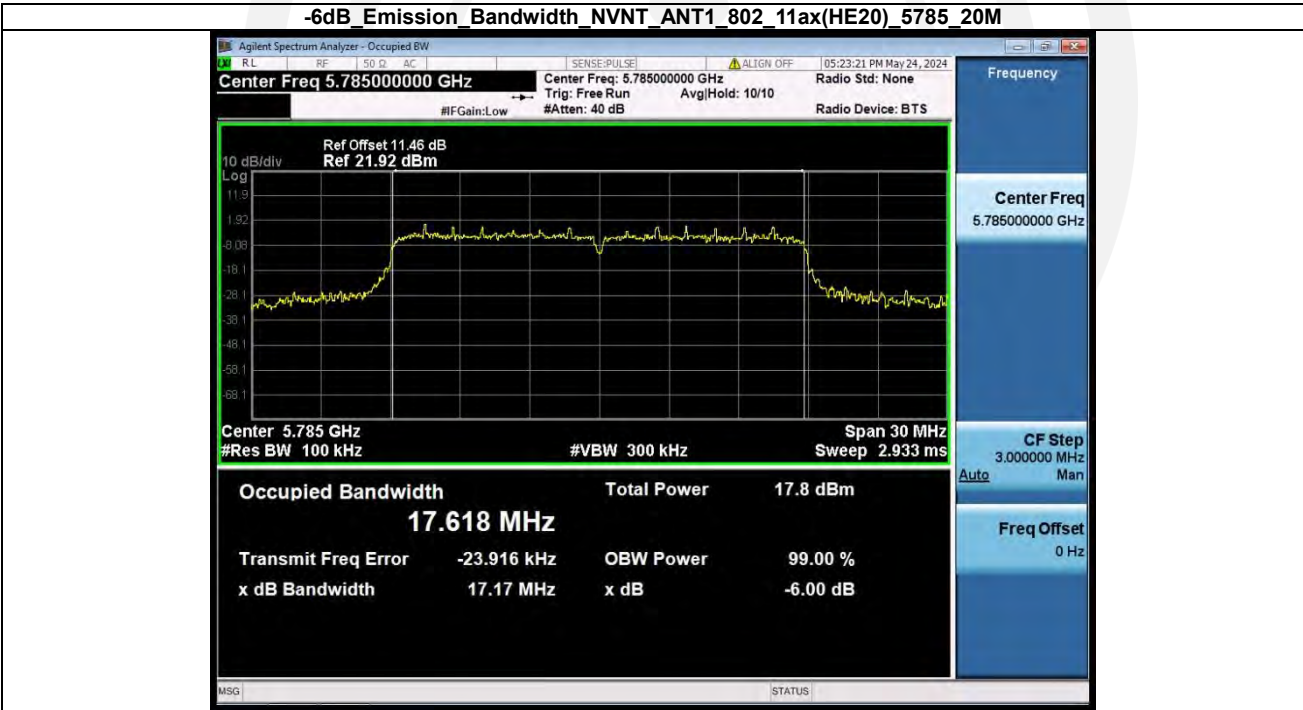
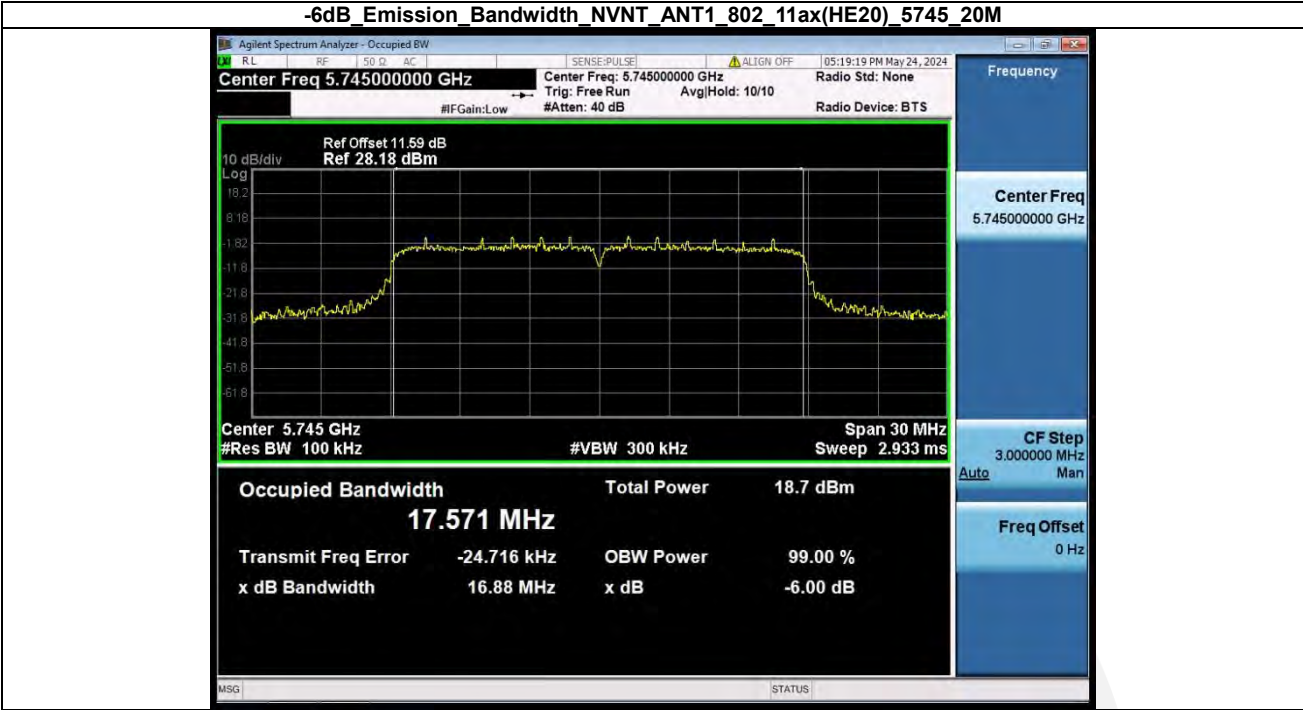
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20)_5785_20M**-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20)_5825_20M**

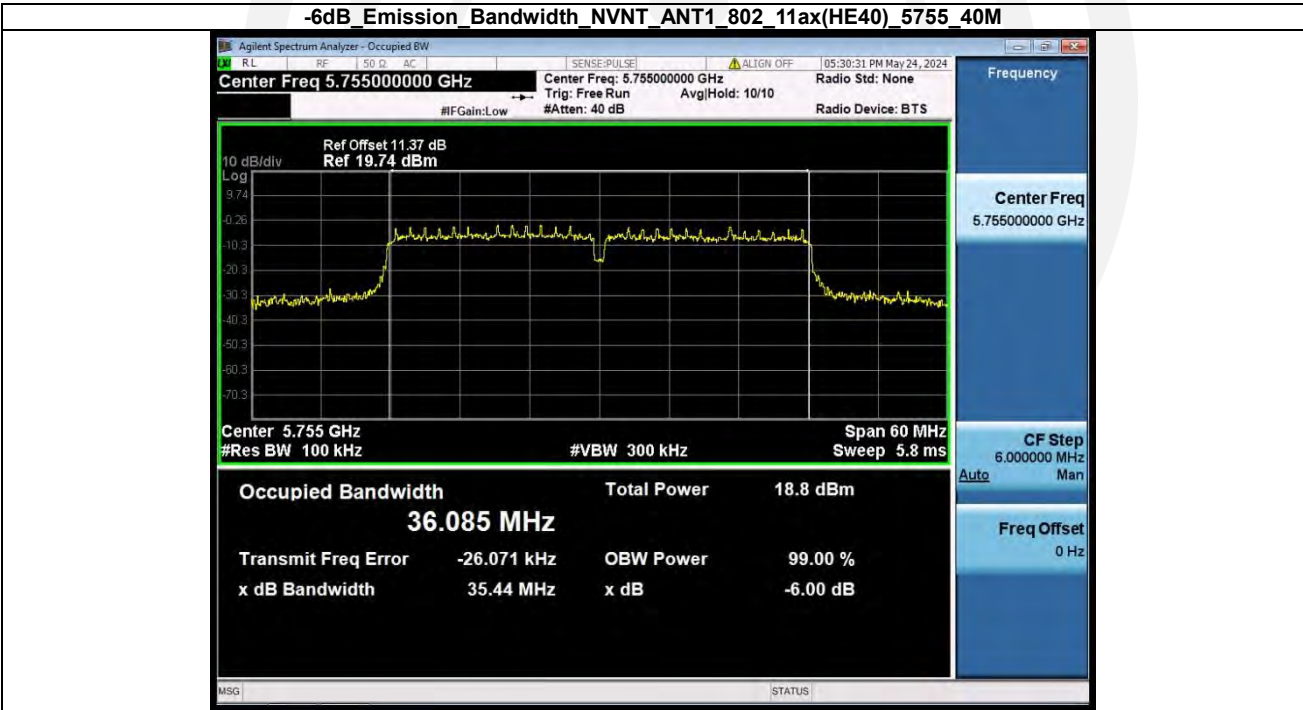


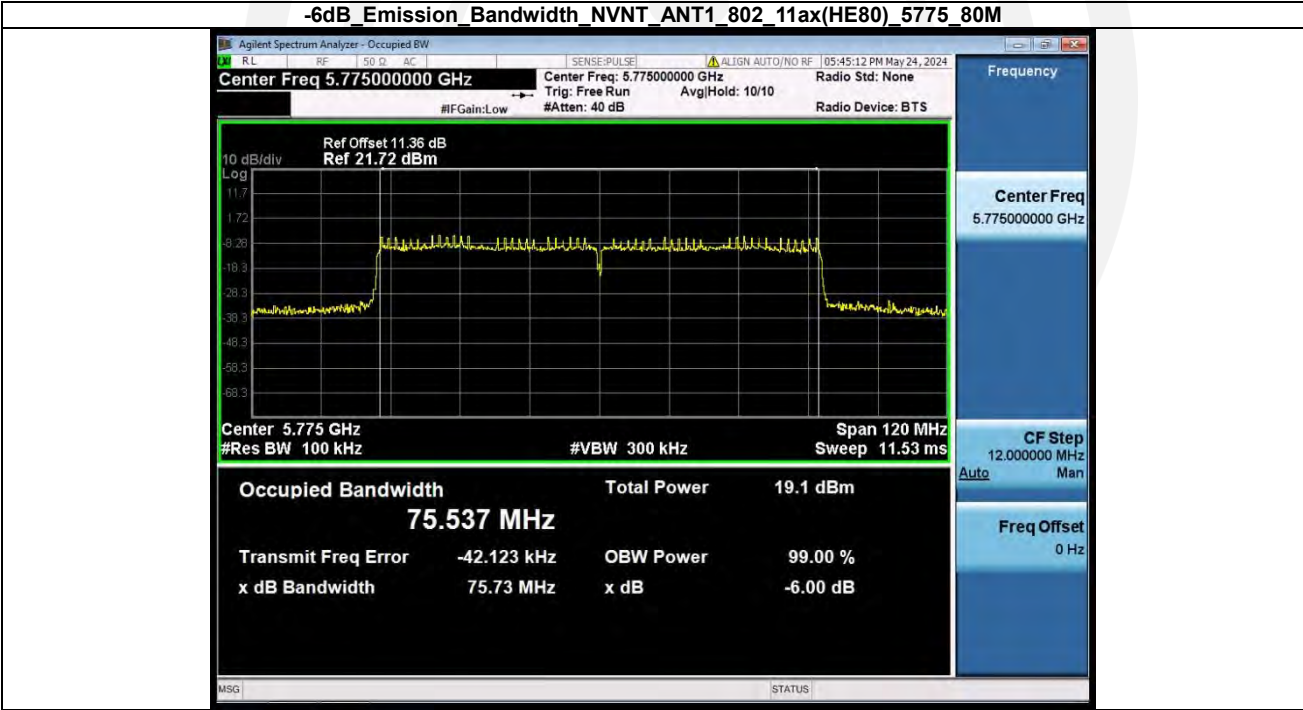
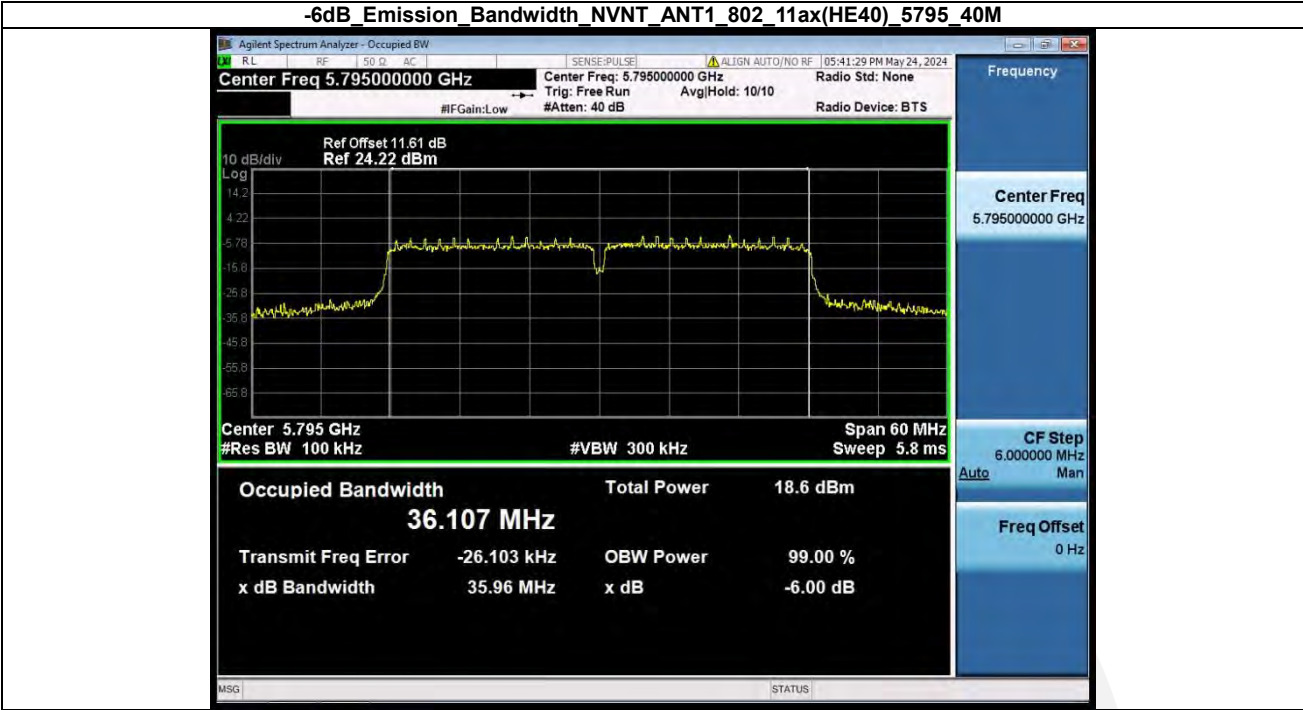




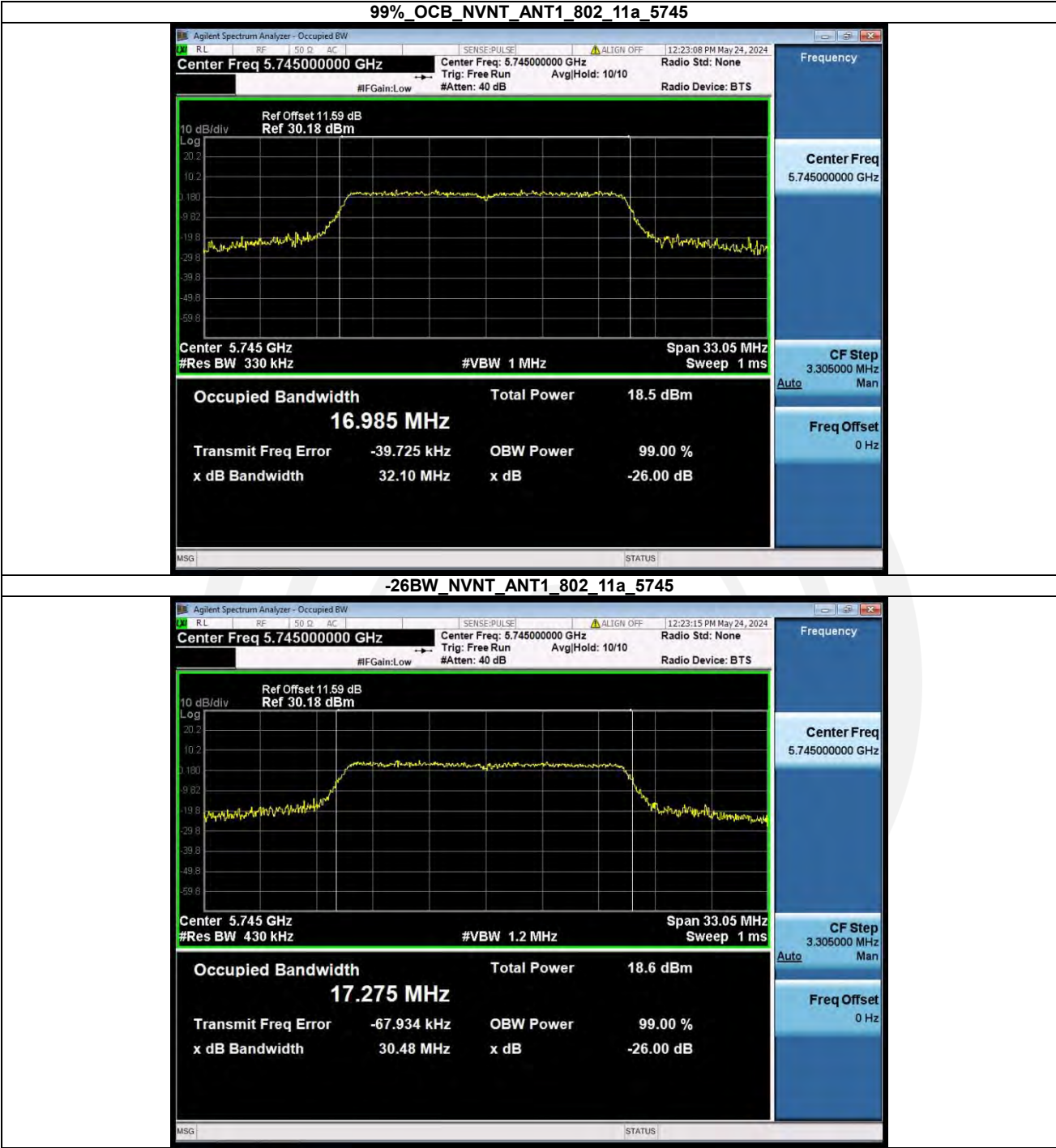


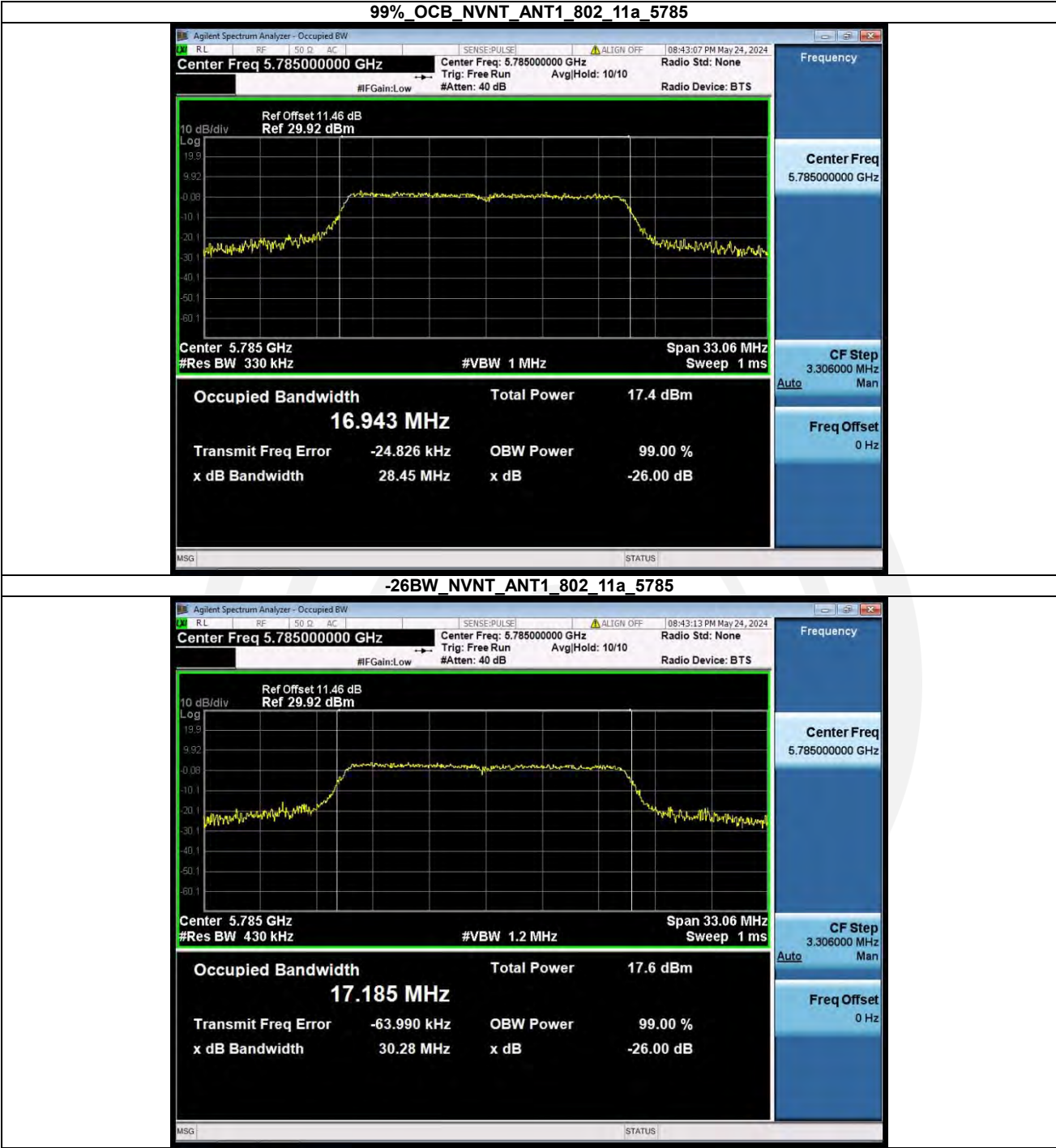


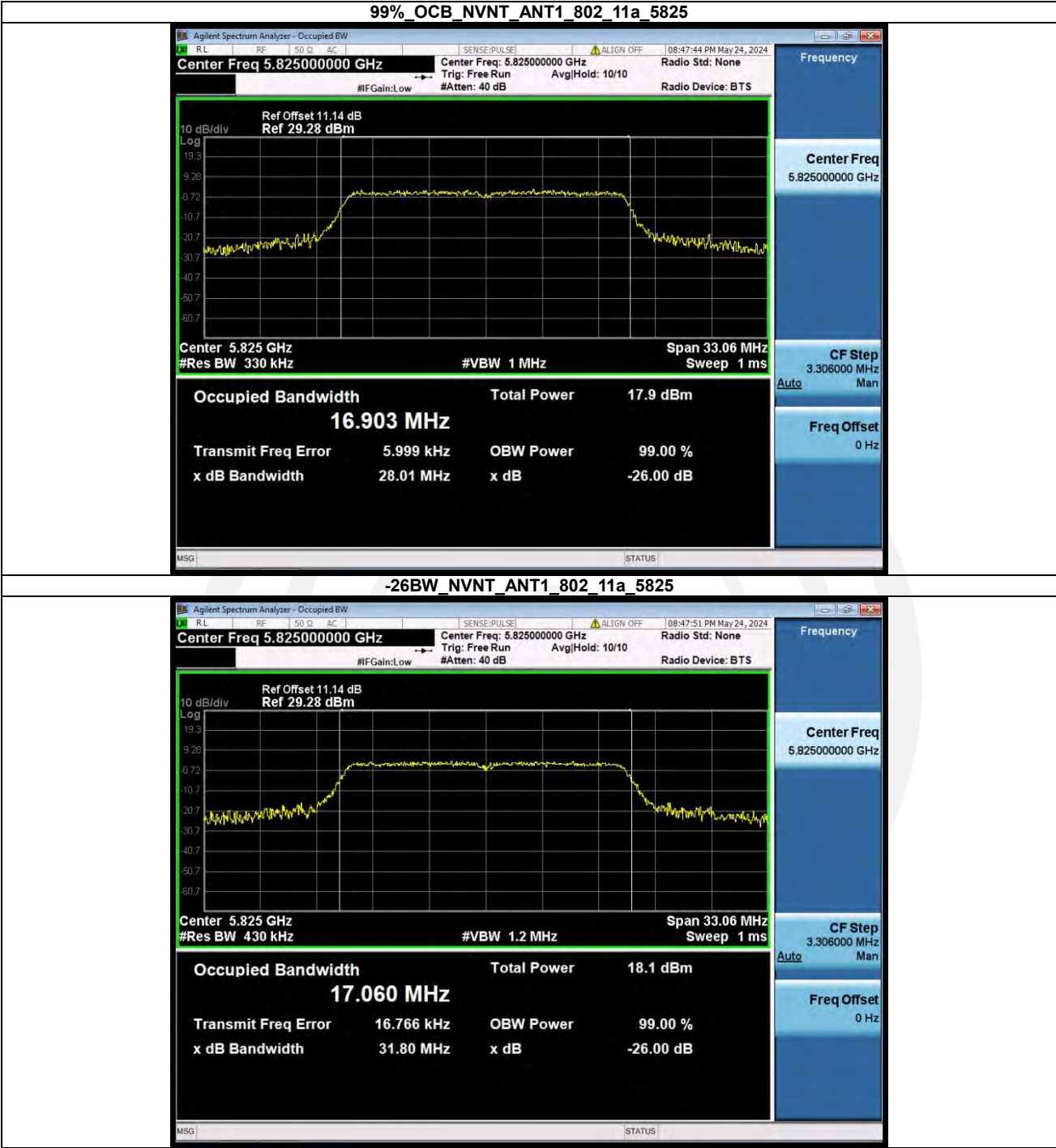


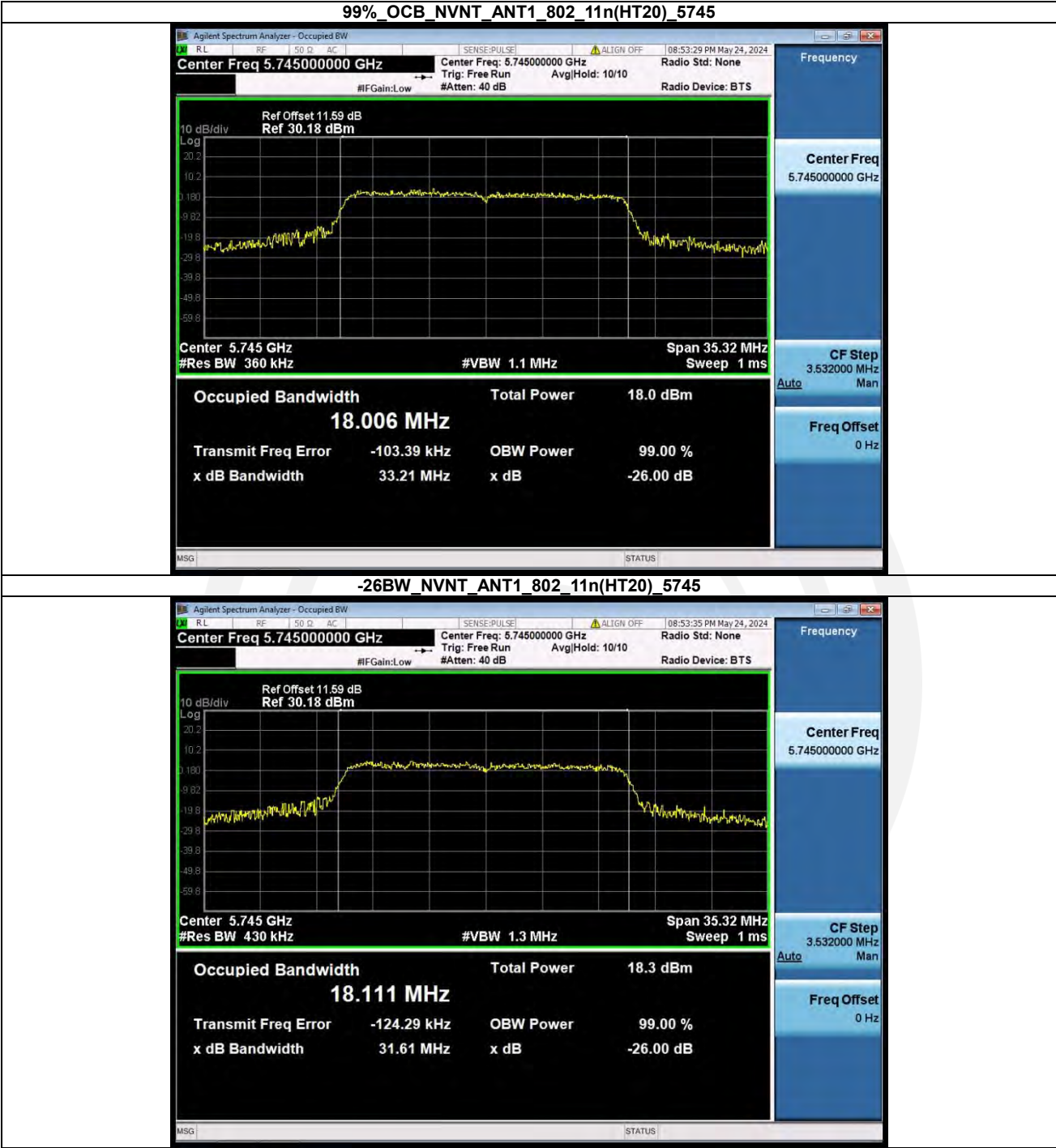


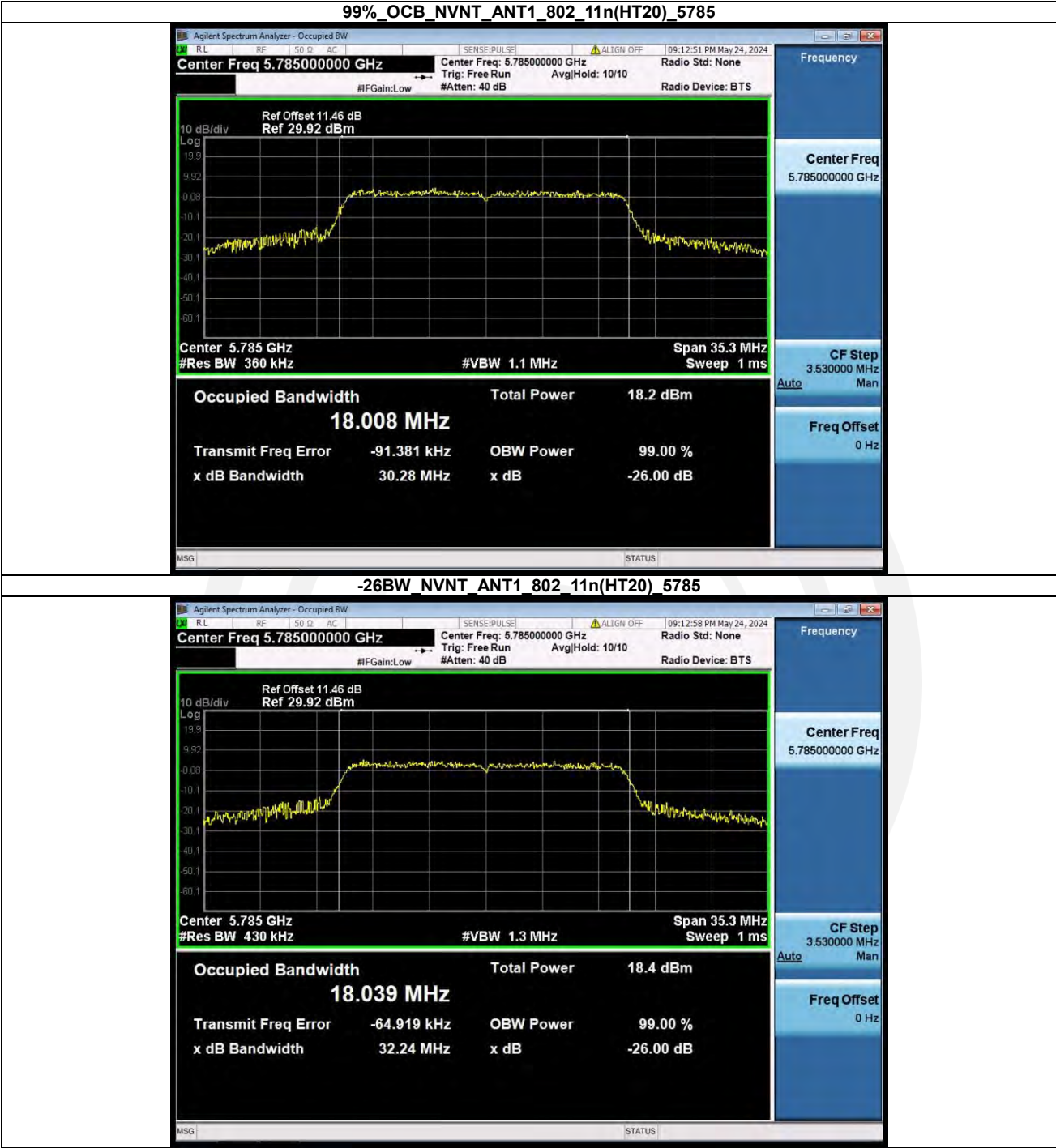
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	30.48	16.99
NVNT	ANT1	802.11a	5785.00	30.28	16.94
NVNT	ANT1	802.11a	5825.00	31.80	16.90
NVNT	ANT1	802.11n(HT20)	5745.00	31.61	18.01
NVNT	ANT1	802.11n(HT20)	5785.00	32.24	18.01
NVNT	ANT1	802.11n(HT20)	5825.00	32.27	17.89
NVNT	ANT1	802.11ac(VHT20)	5745.00	34.52	17.89
NVNT	ANT1	802.11ac(VHT20)	5785.00	31.67	17.90
NVNT	ANT1	802.11ac(VHT20)	5825.00	34.11	17.84
NVNT	ANT1	802.11n(HT40)	5755.00	67.54	36.78
NVNT	ANT1	802.11n(HT40)	5795.00	64.56	36.60
NVNT	ANT1	802.11ac(VHT40)	5755.00	71.45	36.80
NVNT	ANT1	802.11ac(VHT40)	5795.00	70.89	36.63
NVNT	ANT1	802.11ac(VHT80)	5775.00	107.60	76.04
NVNT	ANT1	802.11ax(HE20)	5745.00	29.46	17.83
NVNT	ANT1	802.11ax(HE20)	5785.00	34.11	17.94
NVNT	ANT1	802.11ax(HE20)	5825.00	33.68	17.83
NVNT	ANT1	802.11ax(HE40)	5755.00	70.45	36.57
NVNT	ANT1	802.11ax(HE40)	5795.00	71.76	36.70
NVNT	ANT1	802.11ax(HE80)	5775.00	116.70	76.10



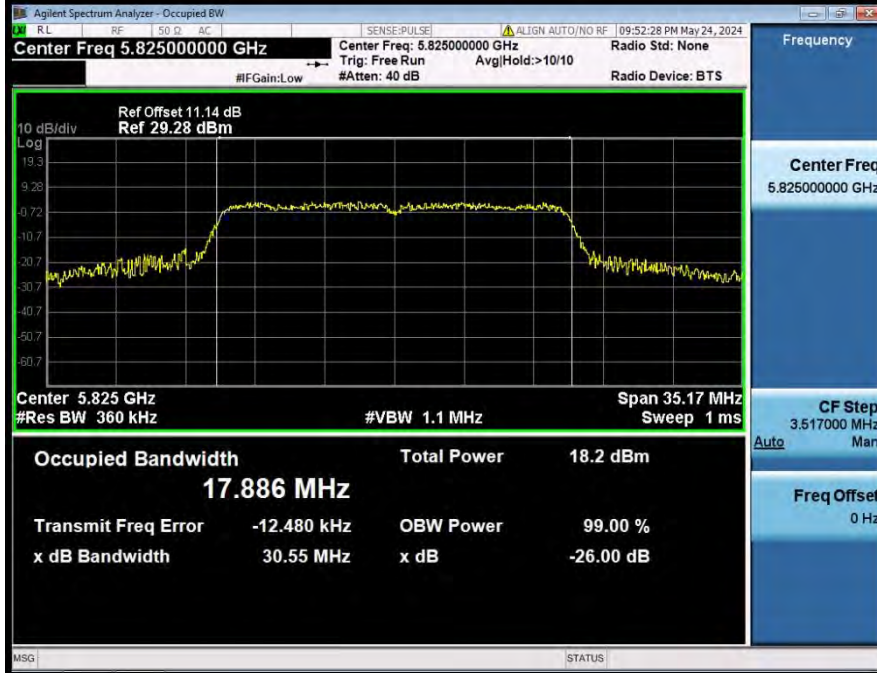






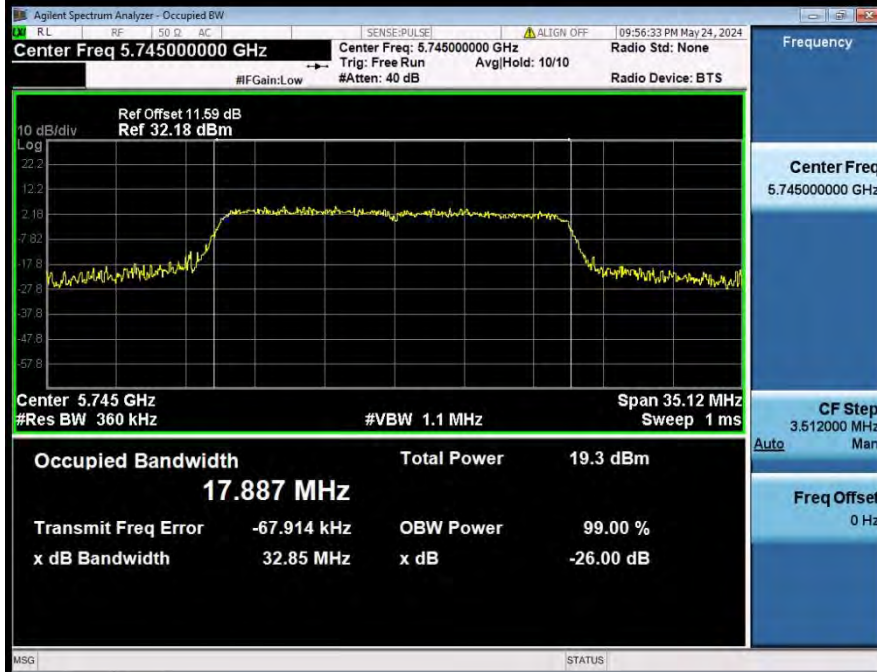
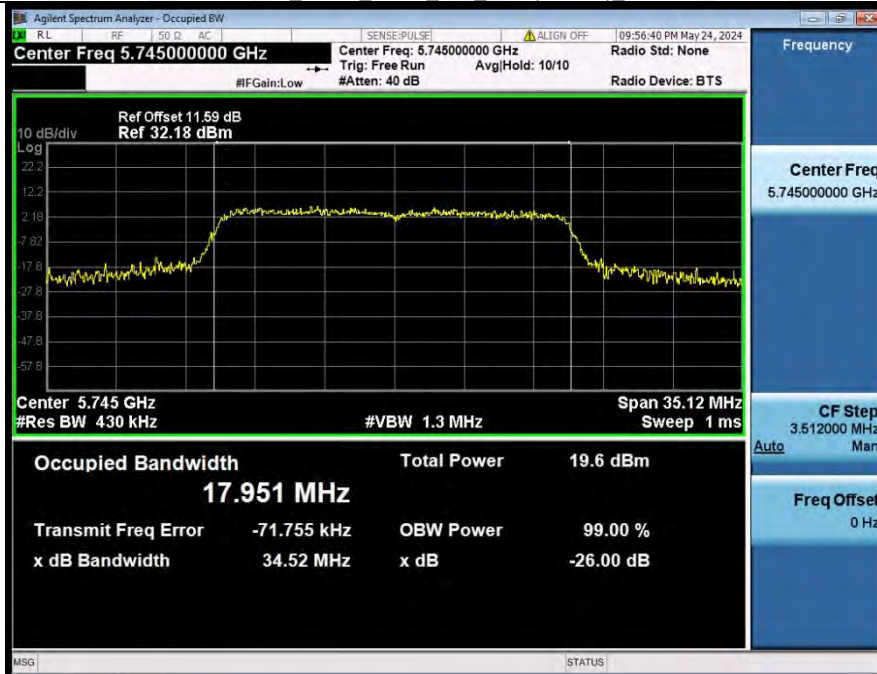


99%_OCB_NVNT_ANT1_802_11n(HT20)_5825

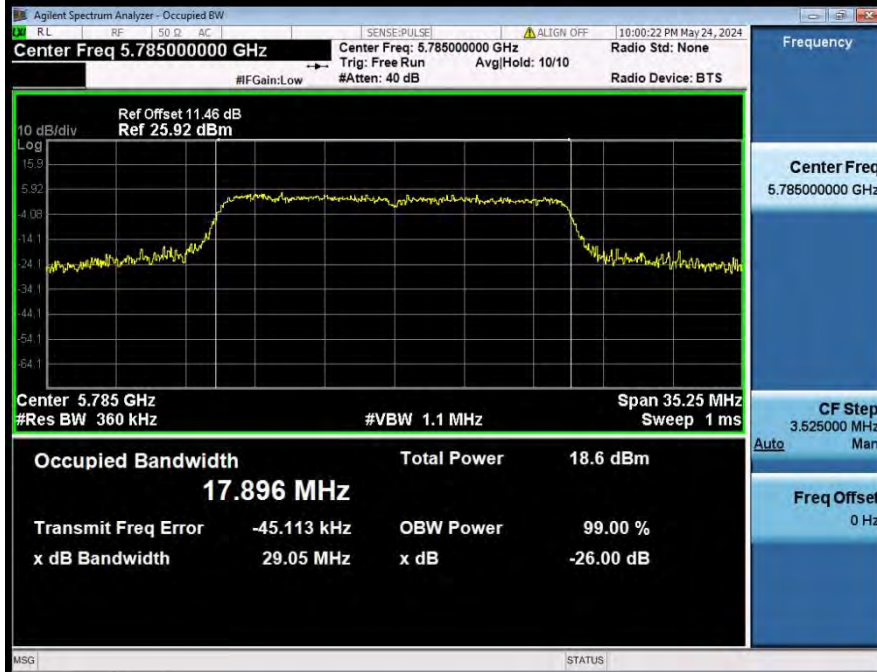


-26BW_NVNT_ANT1_802_11n(HT20)_5825

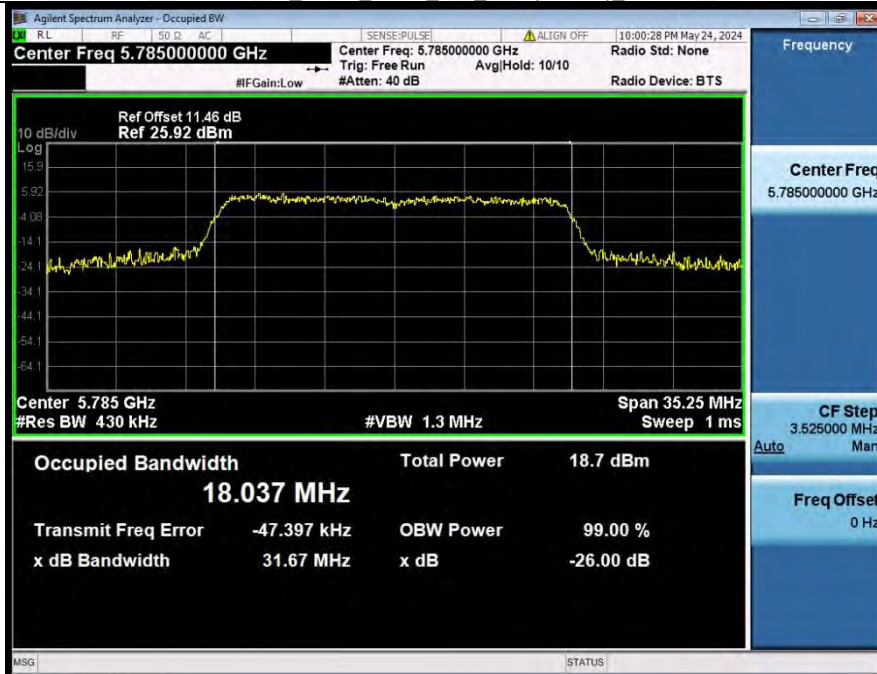


99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5745**-26BW_NVNT_ANT1_802_11ac(VHT20)_5745**

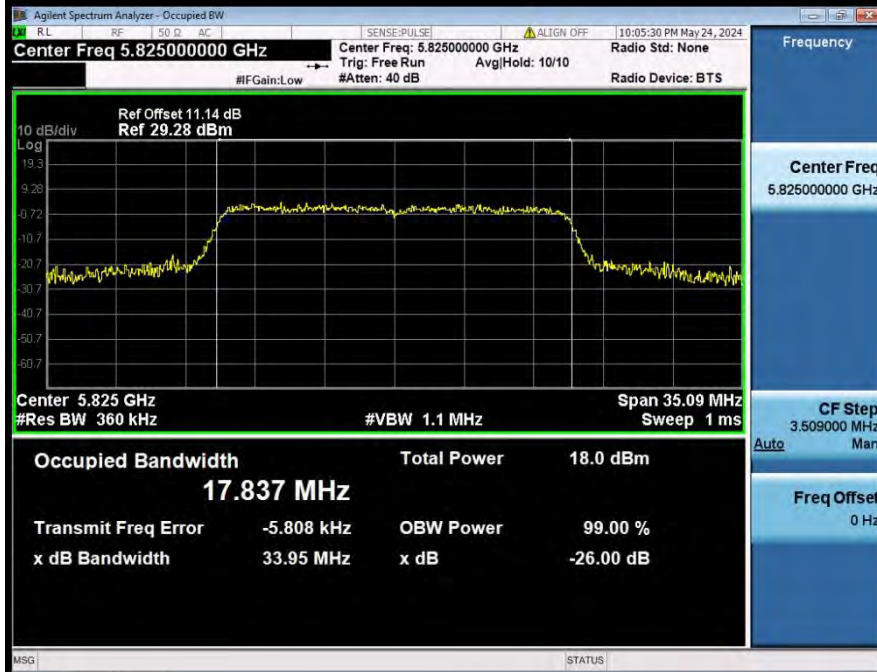
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5785



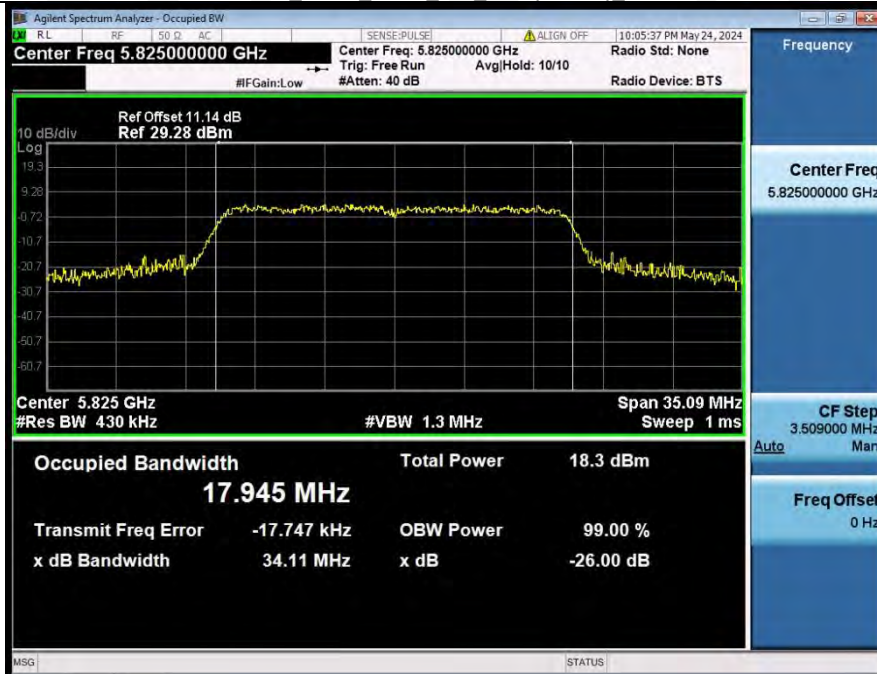
-26BW_NVNT_ANT1_802_11ac(VHT20)_5785



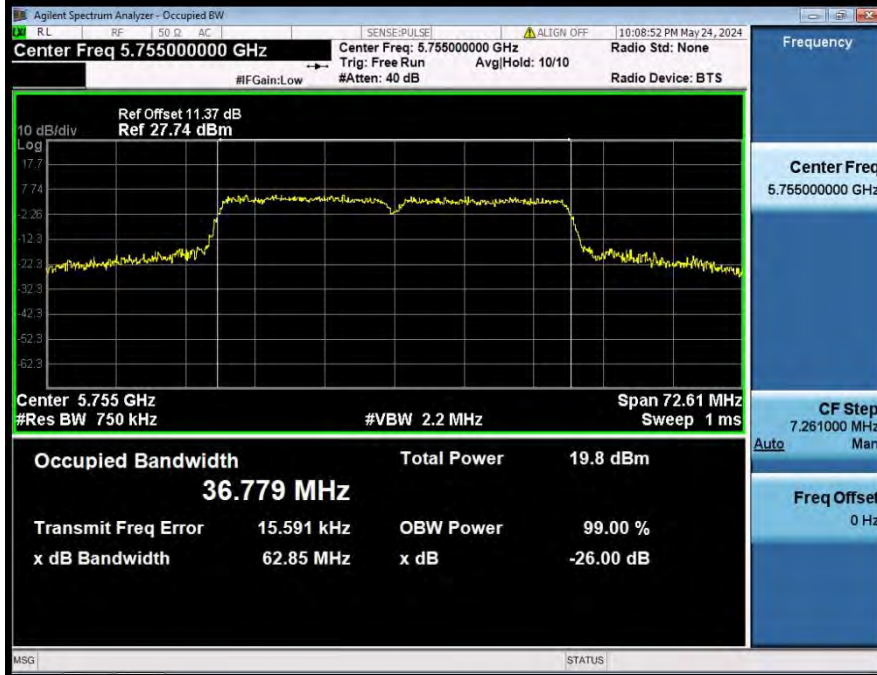
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5825



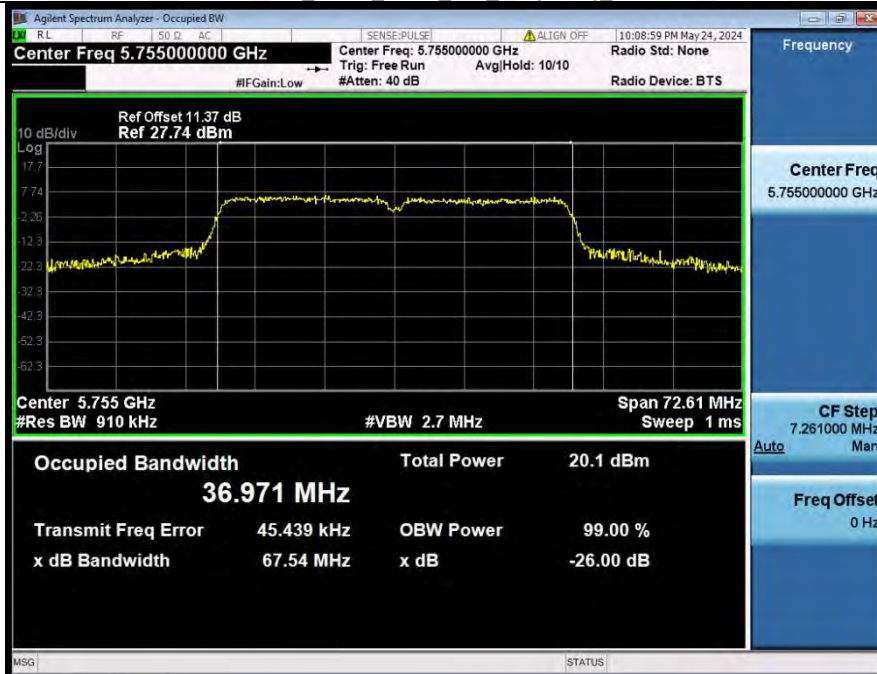
-26BW_NVNT_ANT1_802_11ac(VHT20)_5825



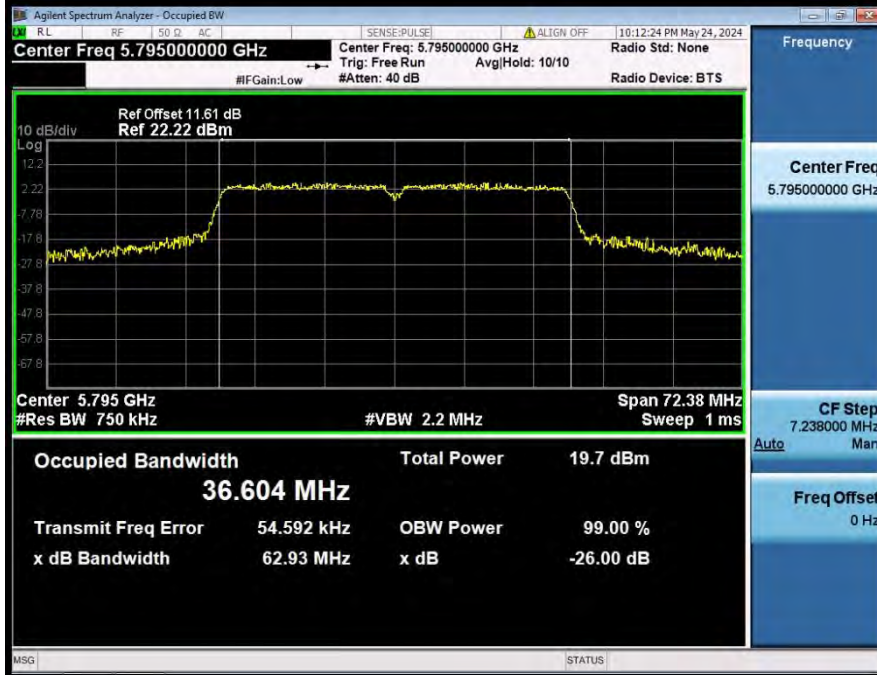
99%_OCB_NVNT_ANT1_802_11n(HT40)_5755



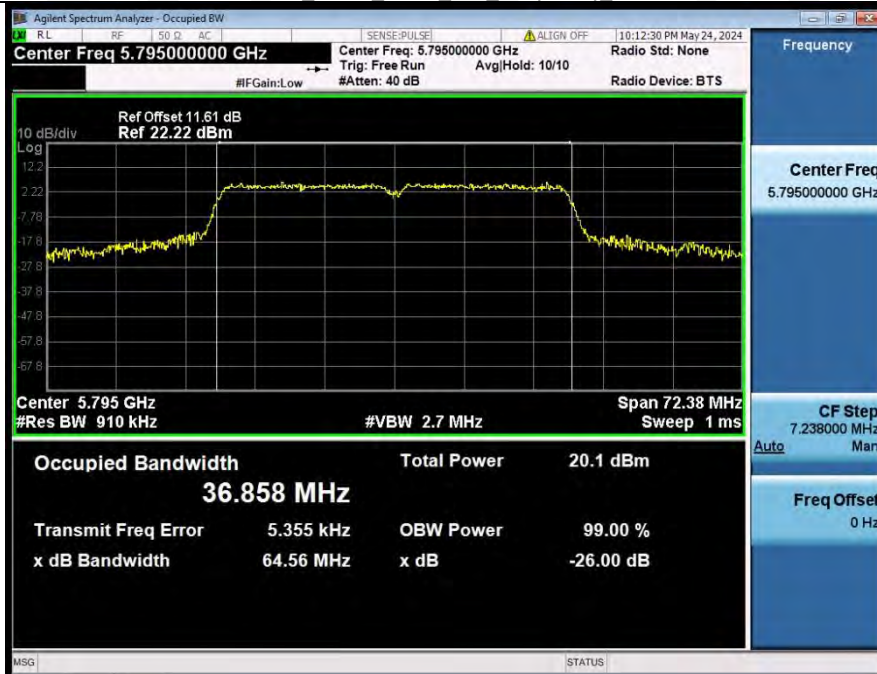
-26BW_NVNT_ANT1_802_11n(HT40)_5755



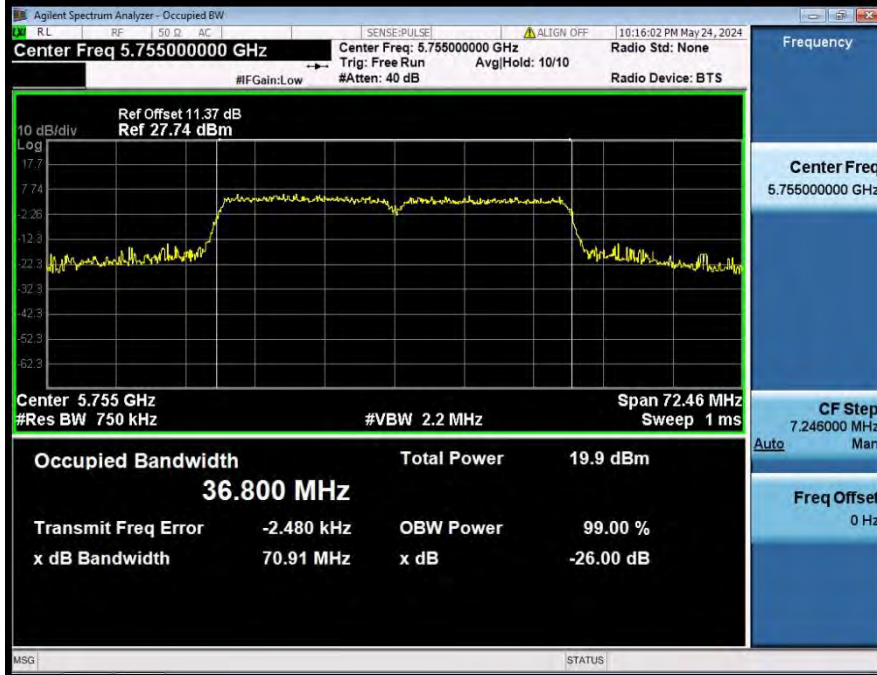
99%_OCB_NVNT_ANT1_802_11n(HT40)_5795



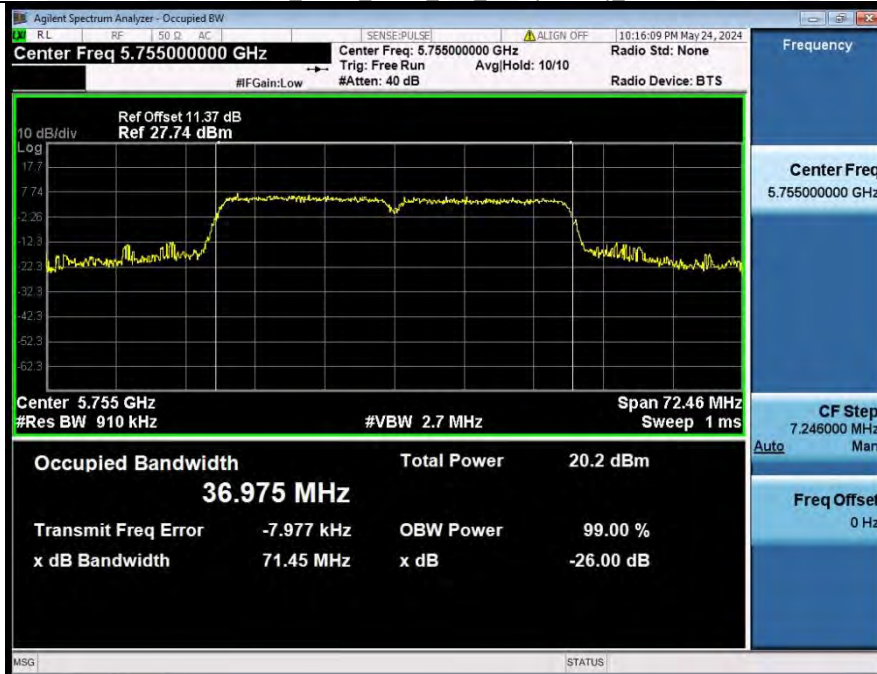
-26BW_NVNT_ANT1_802_11n(HT40)_5795



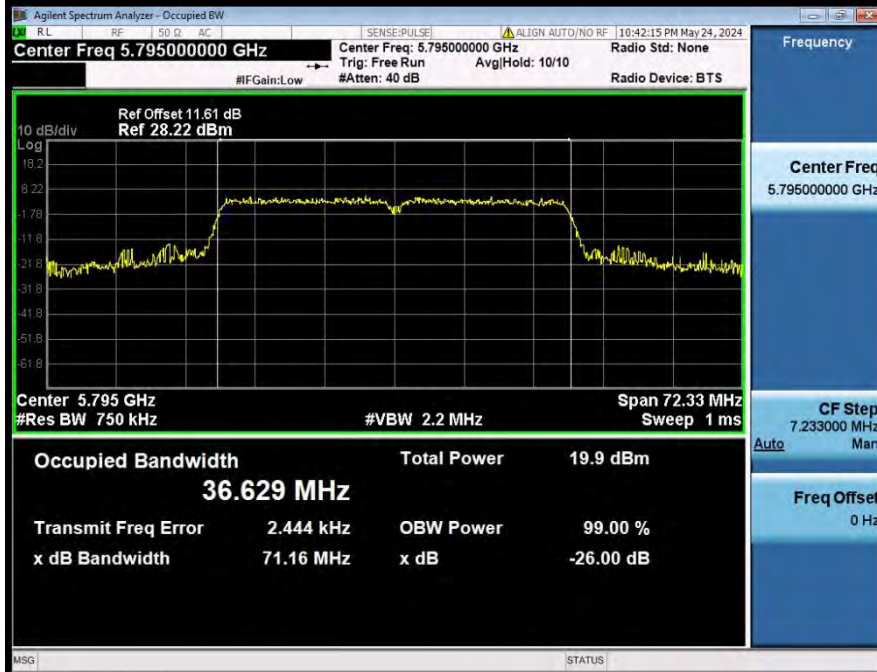
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5755



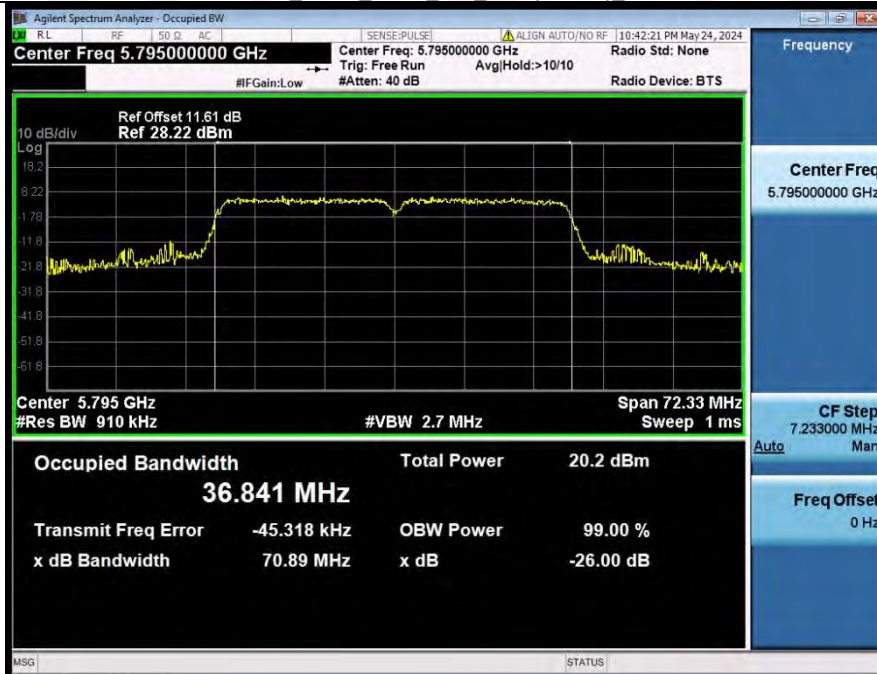
-26BW_NVNT_ANT1_802_11ac(VHT40)_5755



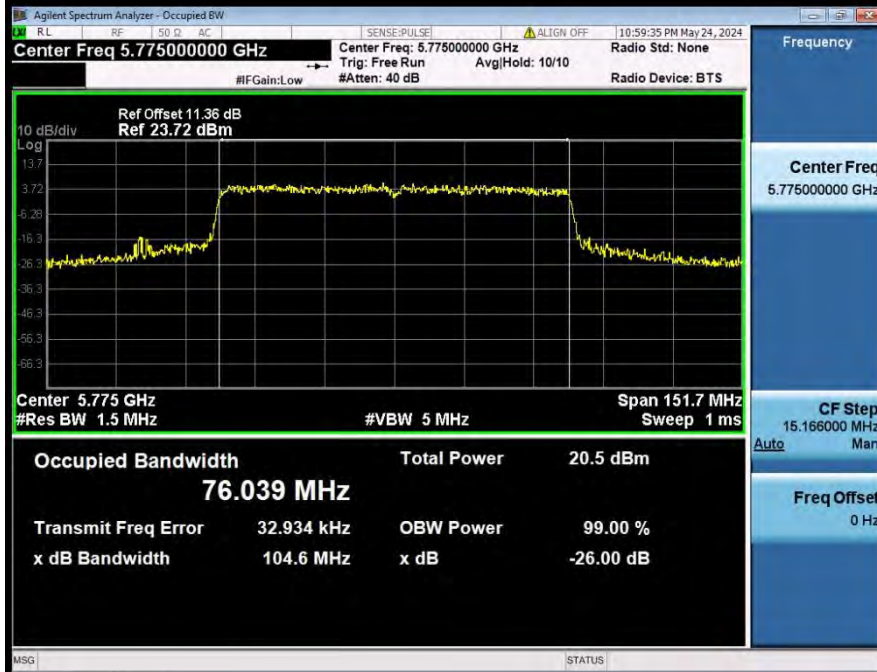
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5795



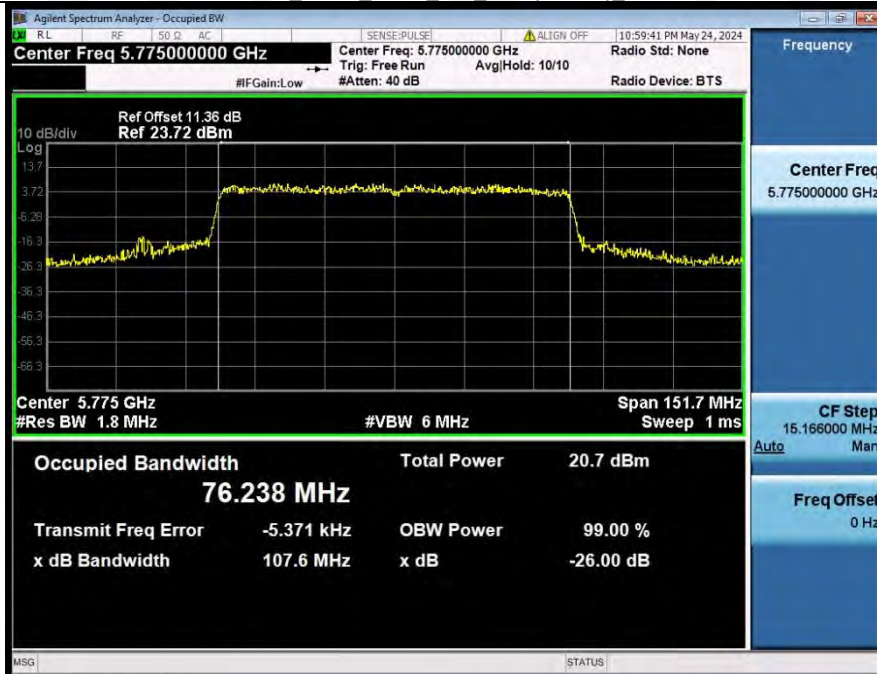
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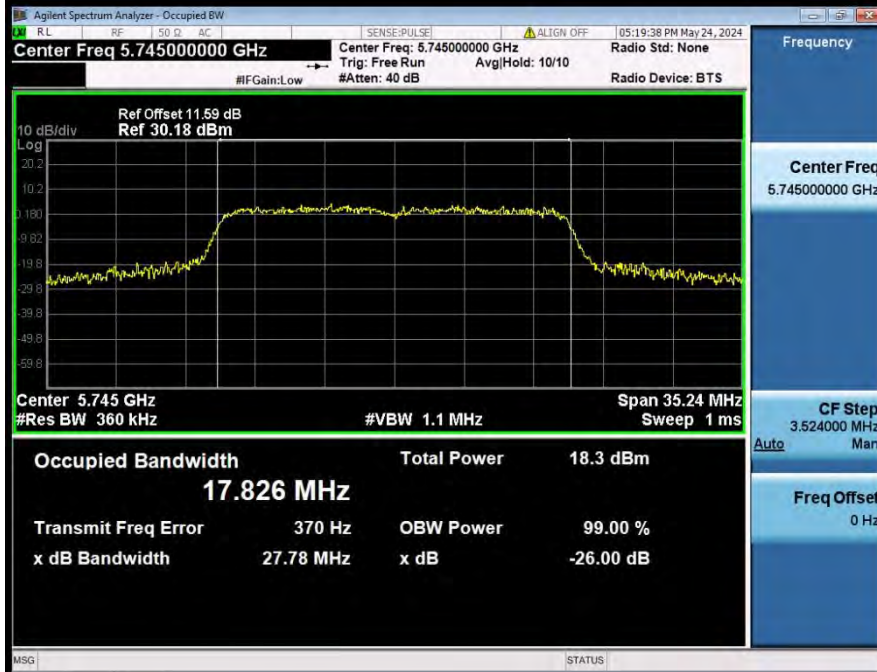
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5775



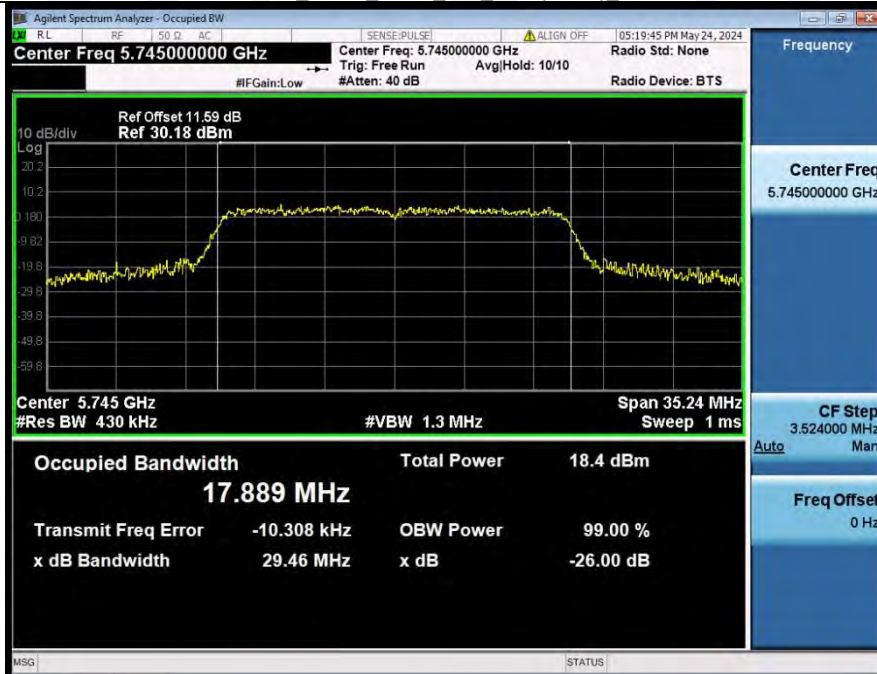
-26BW_NVNT_ANT1_802_11ac(VHT80)_5775



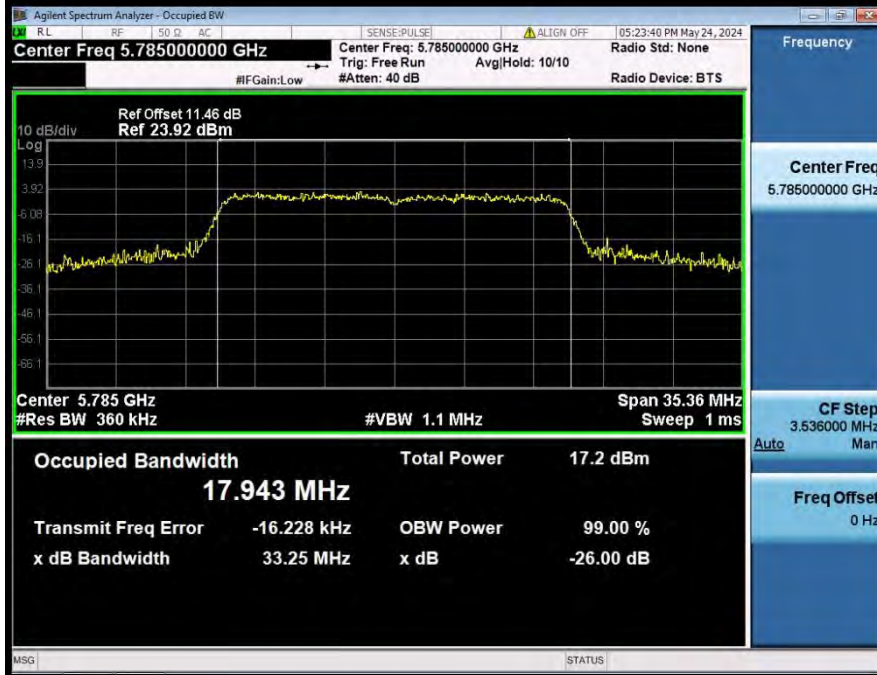
99%_OCB_NVNT_ANT1_802_11ax(HE20)_5745



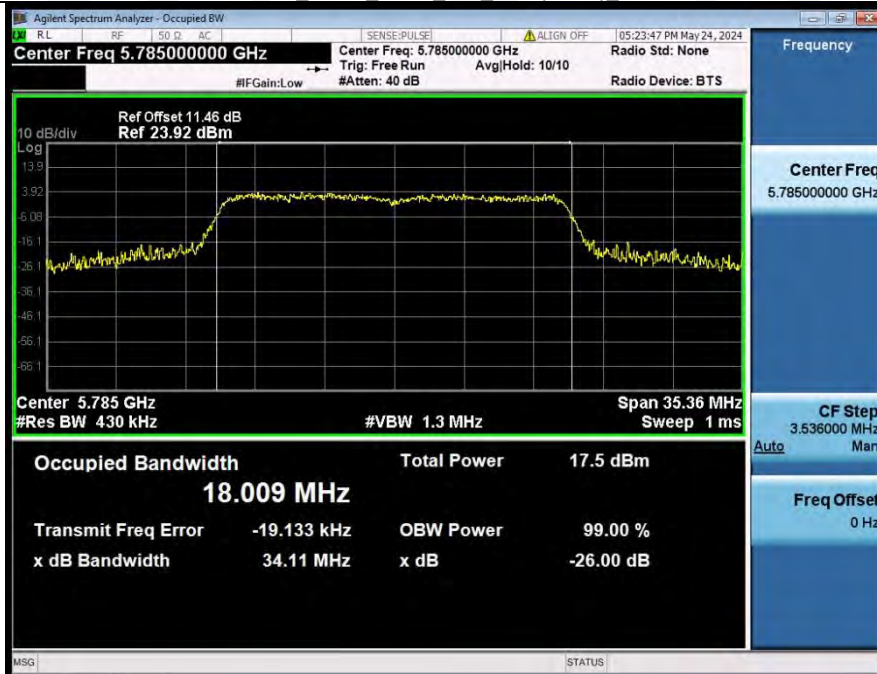
-26BW_NVNT_ANT1_802_11ax(HE20)_5745



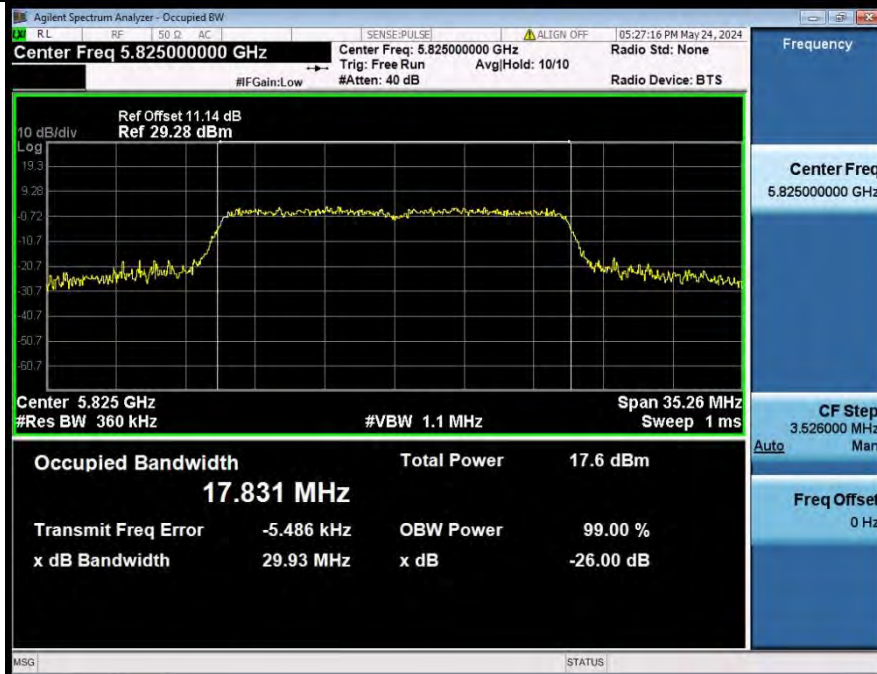
99%_OCB_NVNT_ANT1_802_11ax(HE20)_5785



-26BW_NVNT_ANT1_802_11ax(HE20)_5785

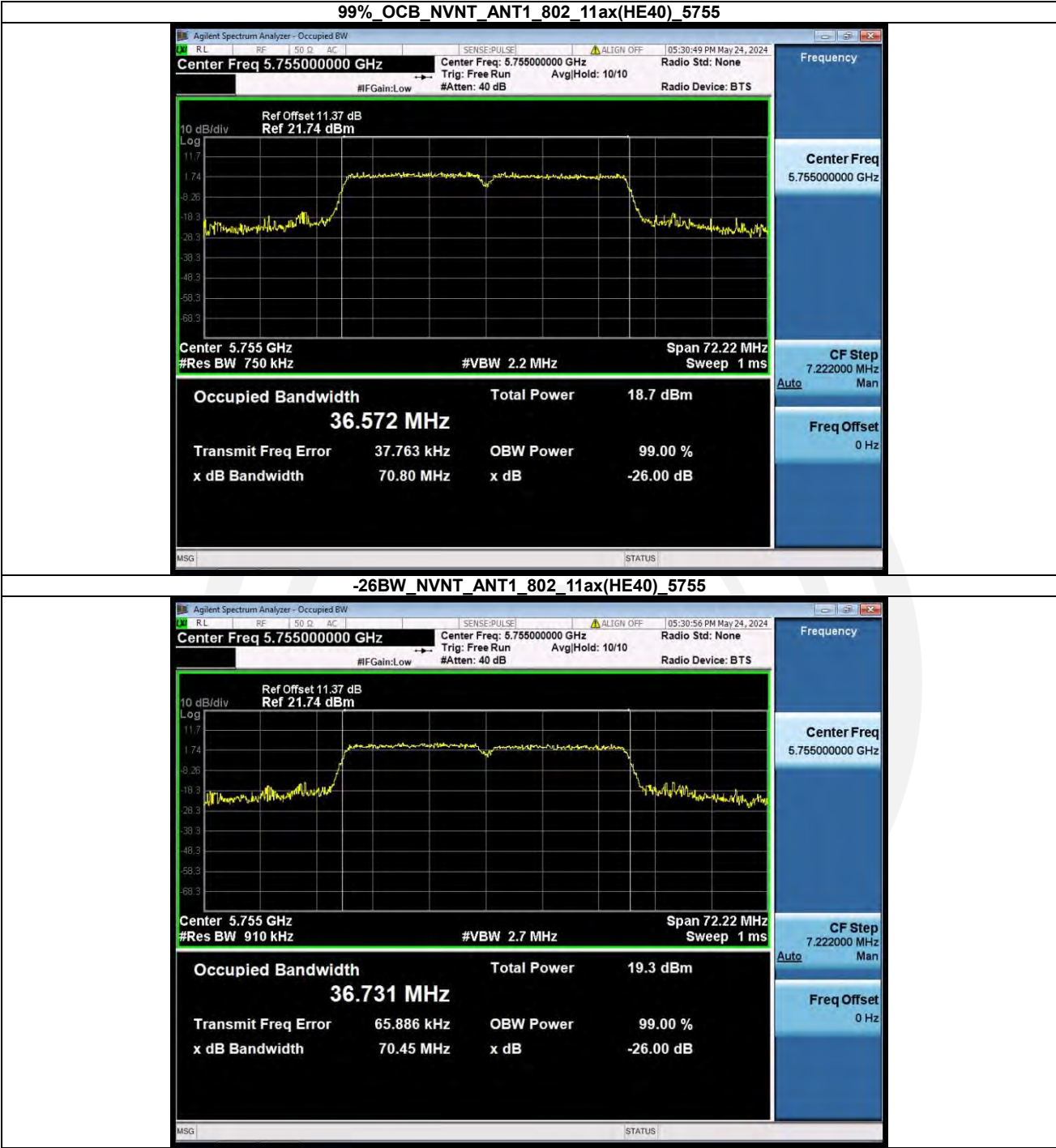


99%_OCB_NVNT_ANT1_802_11ax(HE20)_5825

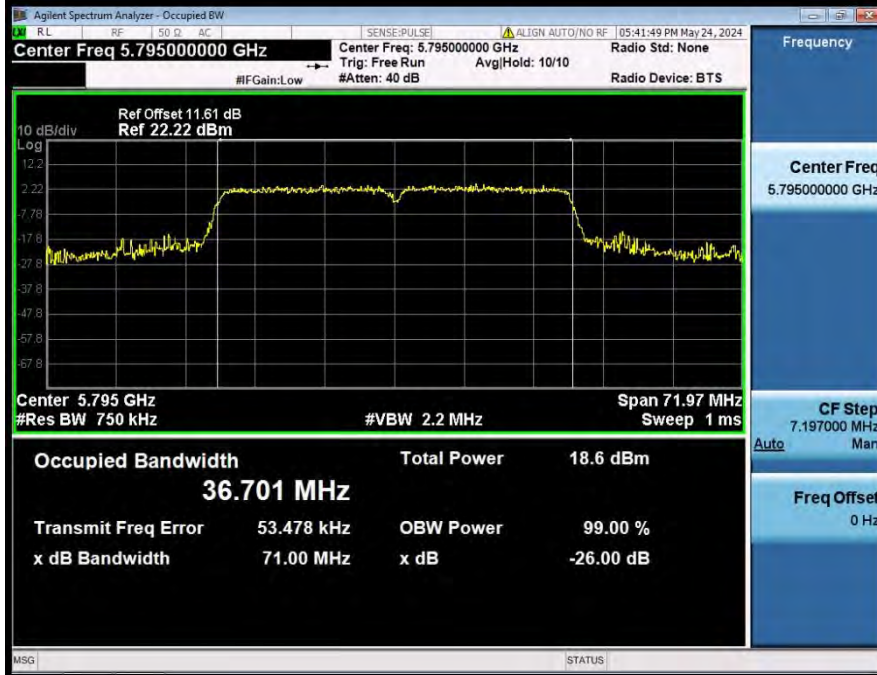


-26BW_NVNT_ANT1_802_11ax(HE20)_5825

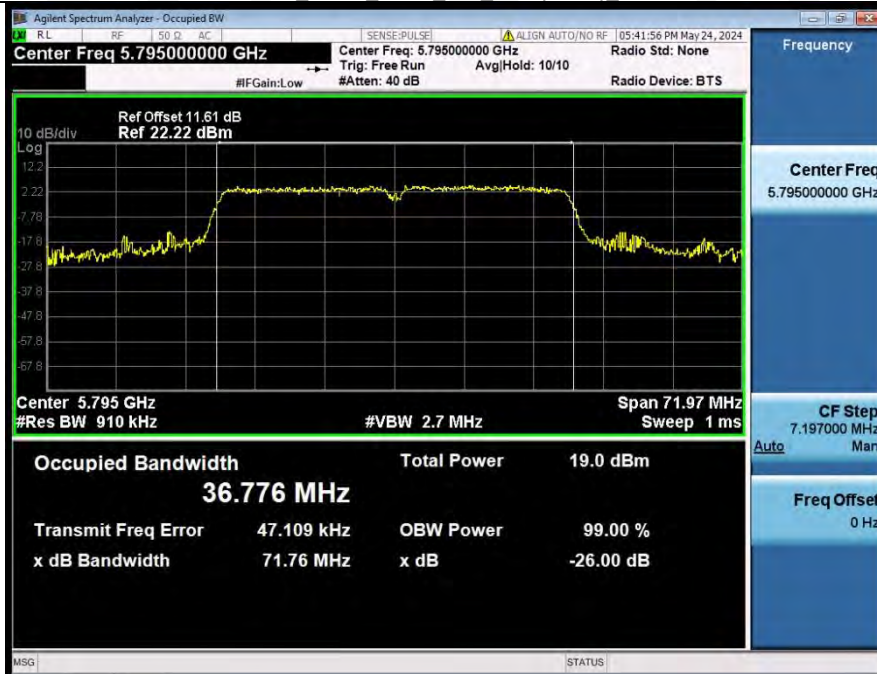




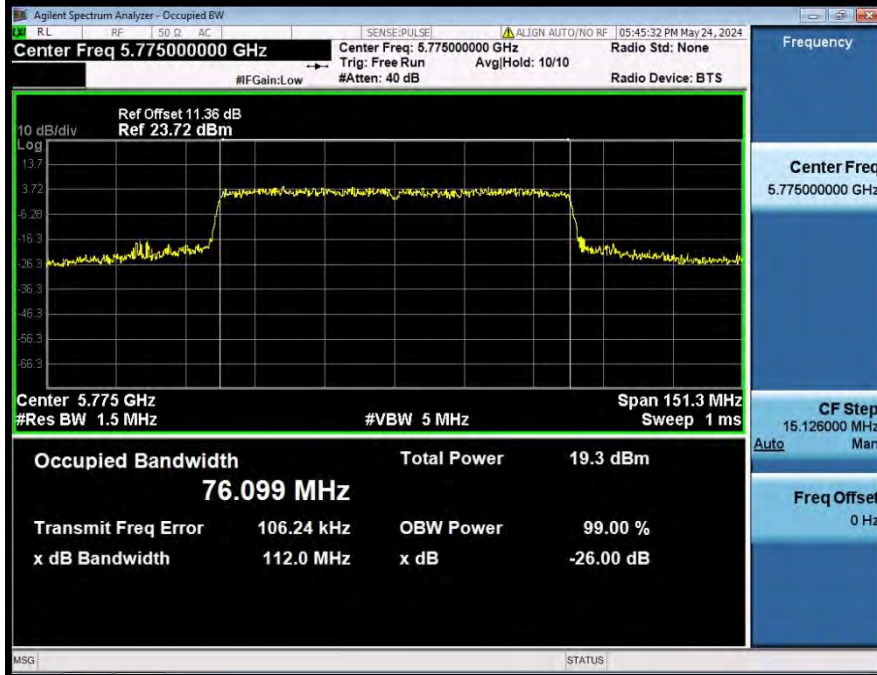
99%_OCB_NVNT_ANT1_802_11ax(HE40)_5795



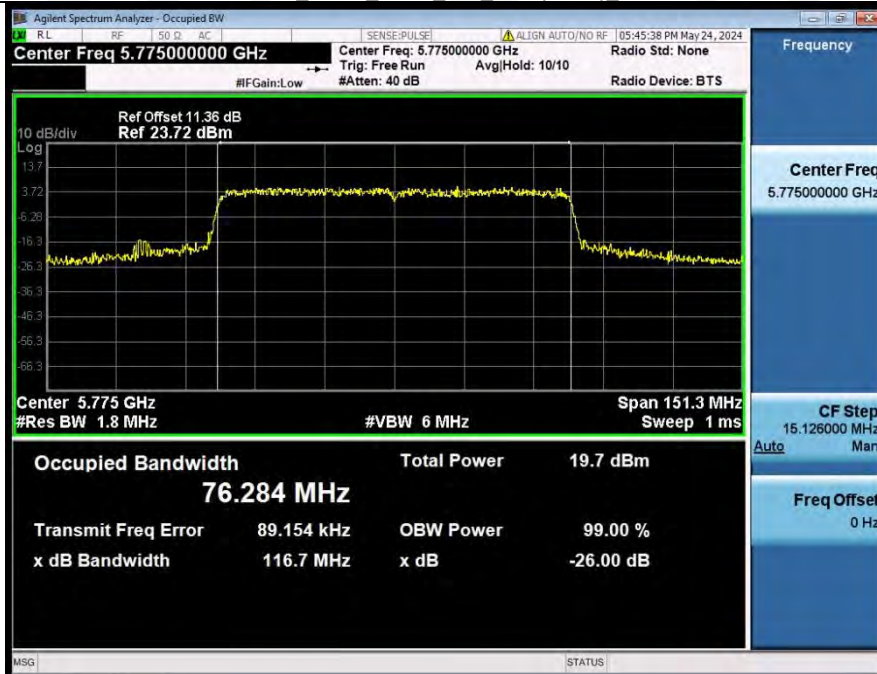
-26BW_NVNT_ANT1_802_11ax(HE40)_5795



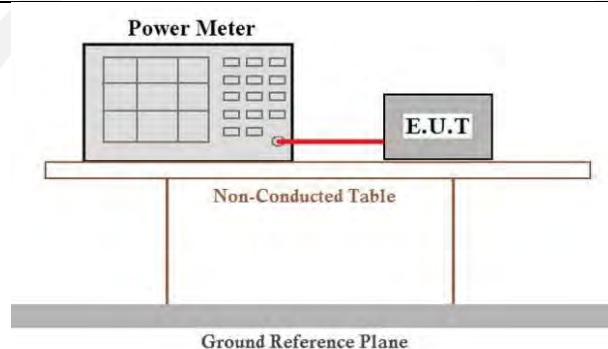
99%_OCB_NVNT_ANT1_802_11ax(HE80)_5775



-26BW_NVNT_ANT1_802_11ax(HE80)_5775



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><tr><th>Section</th><th>Test Item</th><th>Limit</th><th>Frequency Range (MHz)</th><th>Result</th></tr><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>1 watt</td><td>5725-5825</td></tr></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	1 watt	5725-5825
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			1 watt		5725-5825														
Test setup:	 The diagram illustrates the test setup. A Power Meter and an E.U.T. (Equipment Under Test) are connected by a red cable. They are positioned on a Non-Conducted Table, which 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)**

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	12.70	0.41	13.11	24	23.01	Pass
ANT1	802.11a	5200.00	13.28	0.41	13.69	24	23.01	Pass
ANT1	802.11a	5240.00	13.02	0.48	13.50	24	23.01	Pass
ANT1	802.11n(HT20)	5180.00	12.61	0.56	13.17	24	23.01	Pass
ANT1	802.11n(HT20)	5200.00	13.03	0.55	13.58	24	23.01	Pass
ANT1	802.11n(HT20)	5240.00	12.94	0.55	13.49	24	23.01	Pass
ANT1	802.11ac(VHT20)	5180.00	12.71	0.55	13.26	24	23.01	Pass
ANT1	802.11ac(VHT20)	5200.00	9.04	0.55	9.59	24	23.01	Pass
ANT1	802.11ac(VHT20)	5240.00	9.65	0.55	10.20	24	23.01	Pass
ANT1	802.11n(HT40)	5190.00	8.69	1.06	9.75	24	23.01	Pass
ANT1	802.11n(HT40)	5230.00	9.91	0.94	10.85	24	23.01	Pass
ANT1	802.11ac(VHT40)	5190.00	9.05	0.91	9.96	24	23.01	Pass
ANT1	802.11ac(VHT40)	5230.00	10.24	0.29	10.53	24	23.01	Pass
ANT1	802.11ac(VHT80)	5210.00	11.60	1.66	13.26	24	23.01	Pass
ANT1	802.11ax(HE20)	5180.00	11.56	0.13	11.69	24	23.01	Pass
ANT1	802.11ax(HE20)	5200.00	12.08	0.13	12.21	24	23.01	Pass
ANT1	802.11ax(HE20)	5240.00	11.97	0.13	12.10	24	23.01	Pass
ANT1	802.11ax(HE40)	5190.00	12.02	0.26	12.28	24	23.01	Pass
ANT1	802.11ax(HE40)	5230.00	12.04	0.26	12.30	24	23.01	Pass
ANT1	802.11ax(HE80)	5210.00	11.31	0.51	11.82	24	23.01	Pass

Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5180.00	90.91	0.41
ANT1	802.11a	5200.00	90.91	0.41
ANT1	802.11a	5240.00	89.61	0.48
ANT1	802.11n(HT20)	5180.00	87.88	0.56
ANT1	802.11n(HT20)	5200.00	88.06	0.55
ANT1	802.11n(HT20)	5240.00	88.06	0.55
ANT1	802.11ac(VHT20)	5180.00	88.06	0.55
ANT1	802.11ac(VHT20)	5200.00	88.06	0.55
ANT1	802.11ac(VHT20)	5240.00	88.06	0.55
ANT1	802.11n(HT40)	5190.00	78.38	1.06
ANT1	802.11n(HT40)	5230.00	80.56	0.94
ANT1	802.11ac(VHT40)	5190.00	81.08	0.91
ANT1	802.11ac(VHT40)	5230.00	93.55	0.29
ANT1	802.11ac(VHT80)	5210.00	68.18	1.66
ANT1	802.11ax(HE20)	5180.00	97.01	0.13
ANT1	802.11ax(HE20)	5200.00	97.01	0.13
ANT1	802.11ax(HE20)	5240.00	97.01	0.13
ANT1	802.11ax(HE40)	5190.00	94.12	0.26
ANT1	802.11ax(HE40)	5230.00	94.12	0.26
ANT1	802.11ax(HE80)	5210.00	88.89	0.51