

Appendix B: Test Results of 5.8GHz Wi-Fi

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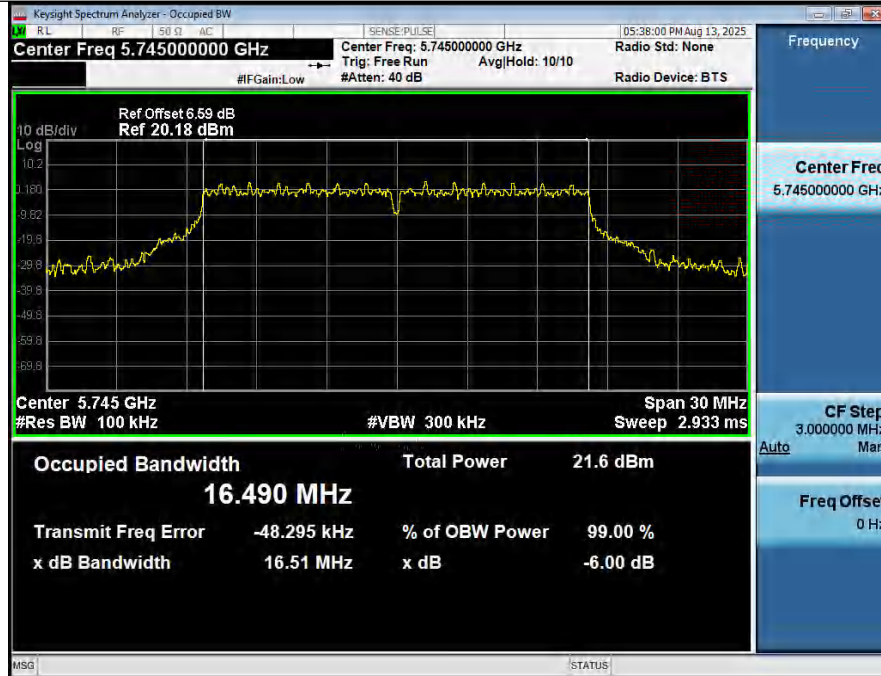
Appendix B.1: Test Results of 6dB Bandwidth

Test Result

Condition	Antenna	Mode	Frequency (MHz)	-6dB Emission Bandwidth (MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.514	0.500	Pass
NVNT	ANT2	802.11a	5745.00	16.516	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.491	0.500	Pass
NVNT	ANT2	802.11a	5785.00	16.453	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.483	0.500	Pass
NVNT	ANT2	802.11a	5825.00	16.471	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.609	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	17.630	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	16.875	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	17.546	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	16.945	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	17.579	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	17.701	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	17.731	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	17.692	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	17.738	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	17.723	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	17.749	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	18.904	0.500	Pass
NVNT	ANT2	802.11ax(HE20)	5745.00	18.920	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	18.739	0.500	Pass
NVNT	ANT2	802.11ax(HE20)	5785.00	18.685	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	18.872	0.500	Pass
NVNT	ANT2	802.11ax(HE20)	5825.00	19.047	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	36.099	0.500	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	35.835	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.255	0.500	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	35.188	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	36.387	0.500	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	36.342	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	36.399	0.500	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	35.875	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	36.484	0.500	Pass
NVNT	ANT2	802.11ax(HE40)	5755.00	36.419	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	36.432	0.500	Pass
NVNT	ANT2	802.11ax(HE40)	5795.00	36.034	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	75.630	0.500	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	75.694	0.500	Pass
NVNT	ANT1	802.11ax(HE80)	5775.00	76.073	0.500	Pass
NVNT	ANT2	802.11ax(HE80)	5775.00	75.716	0.500	Pass

Test Graphs

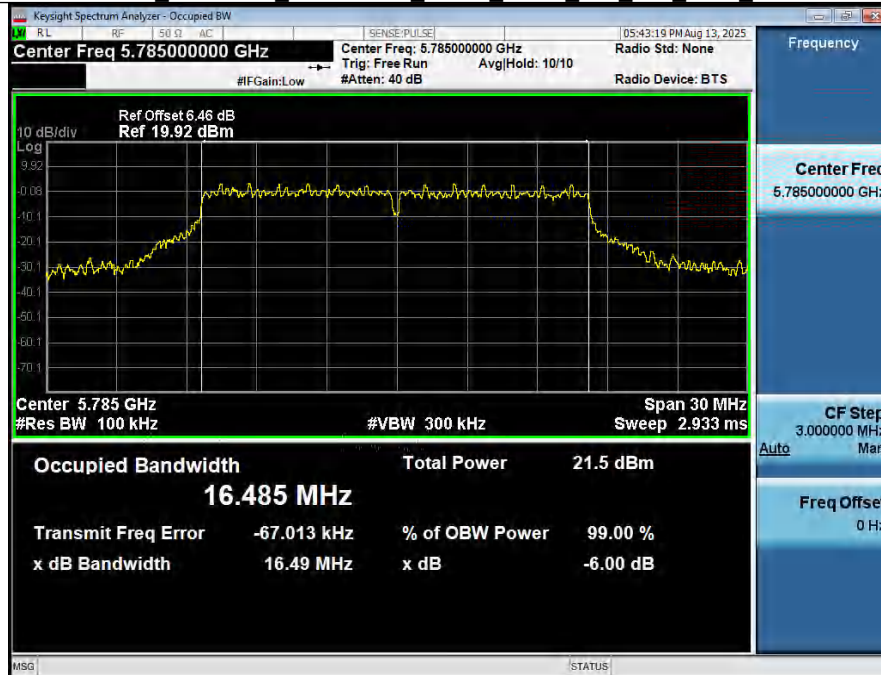
-6dB Emission Bandwidth NVNT_ANT1_802_11a_5745_20M



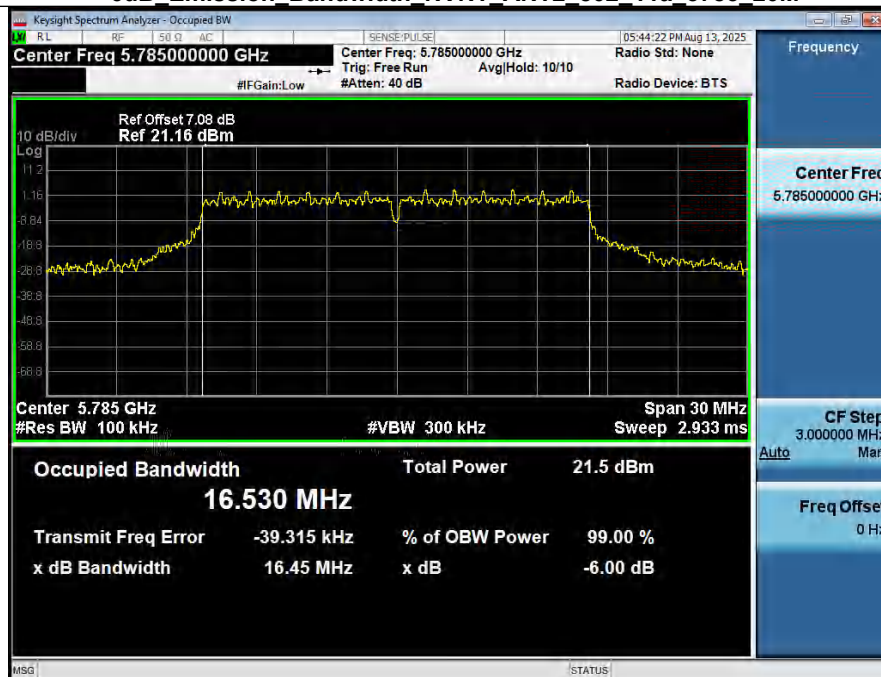
-6dB Emission Bandwidth NVNT_ANT2_802_11a_5745_20M



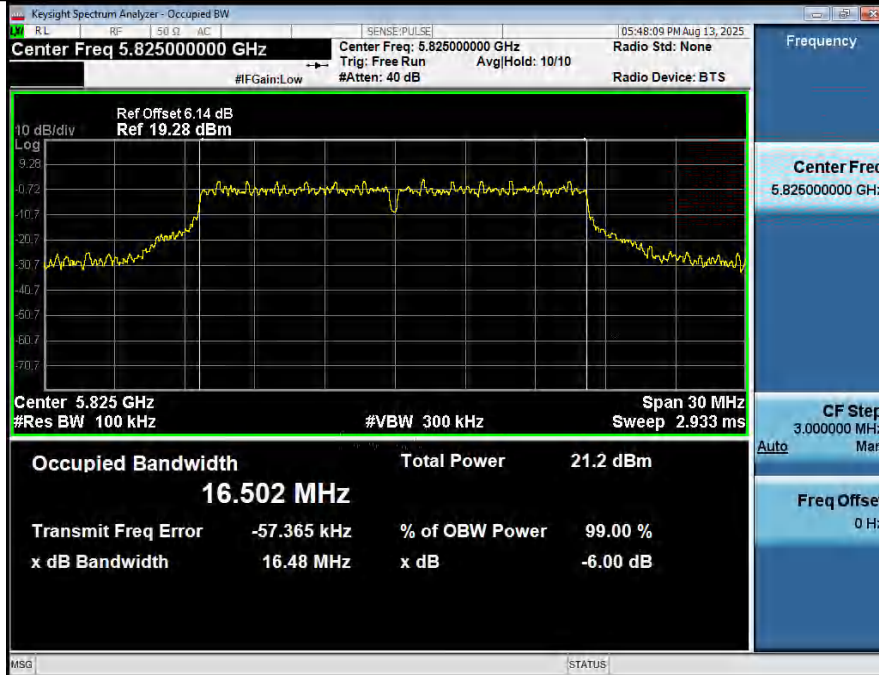
-6dB Emission Bandwidth NVNT ANT1 802 11a 5785 20M



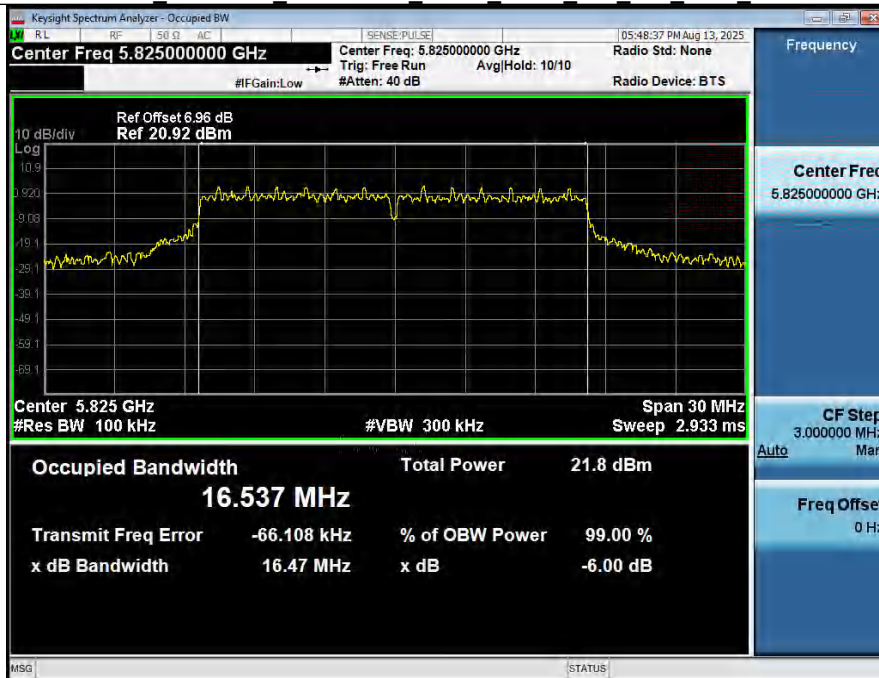
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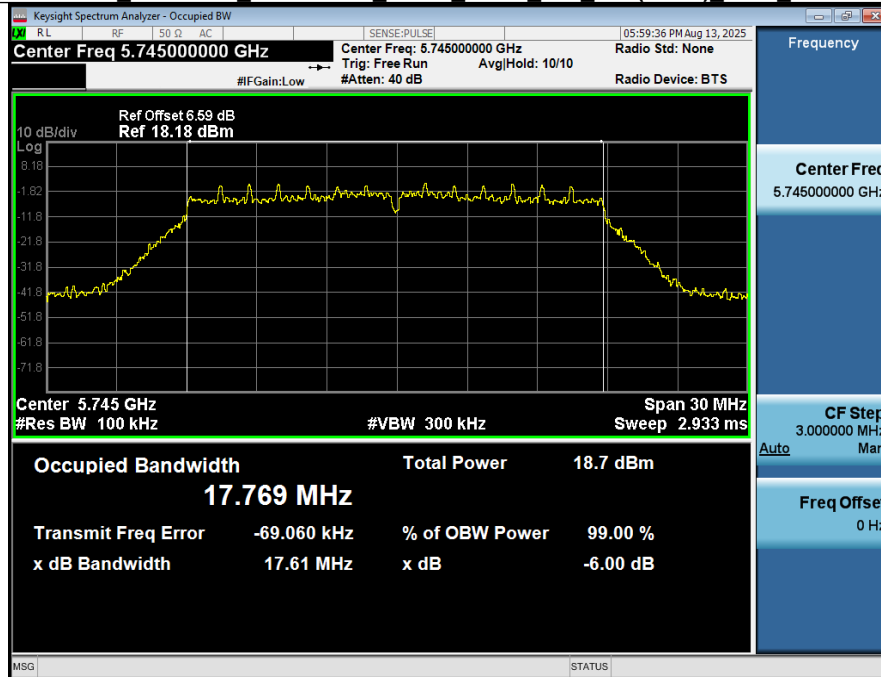
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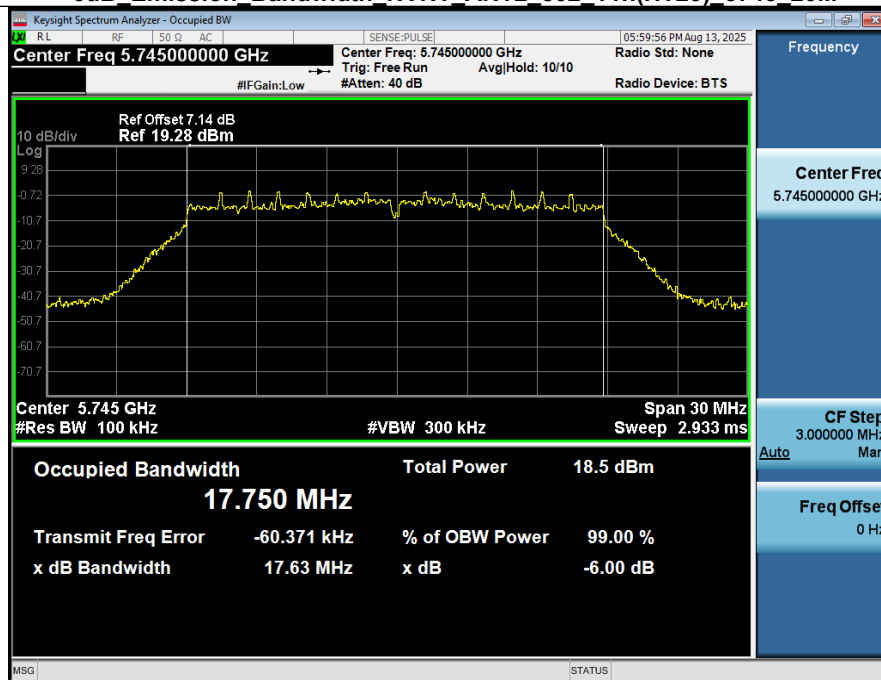
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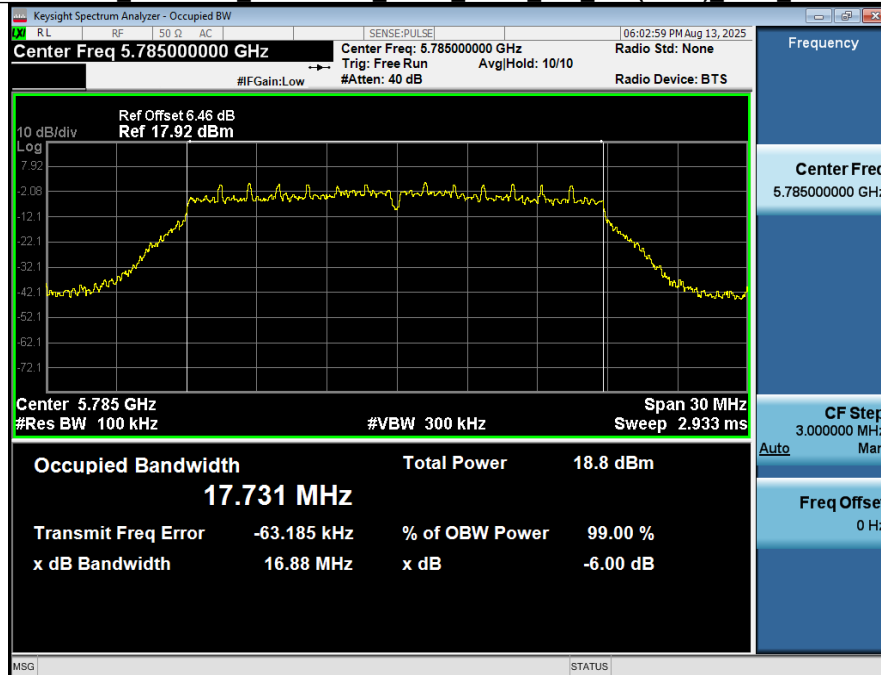
-6dB Emission Bandwidth NVNT ANT1 802 11n(HT20) 5745 20M



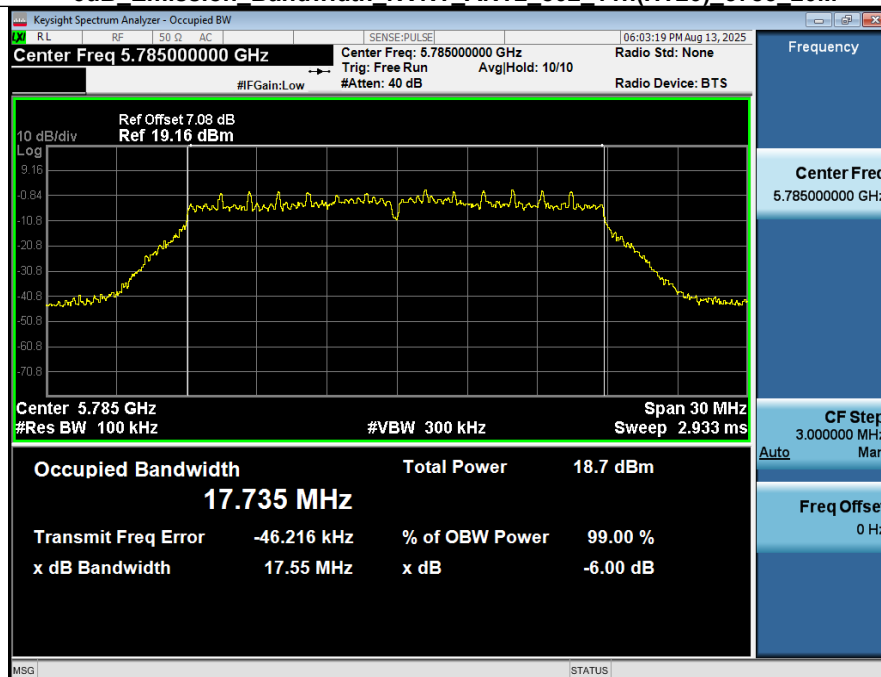
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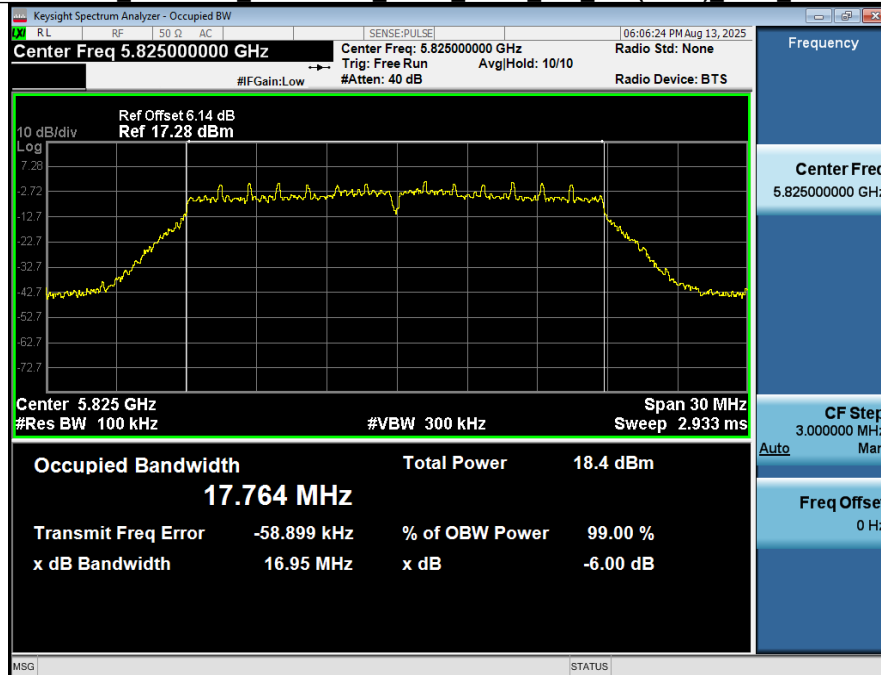
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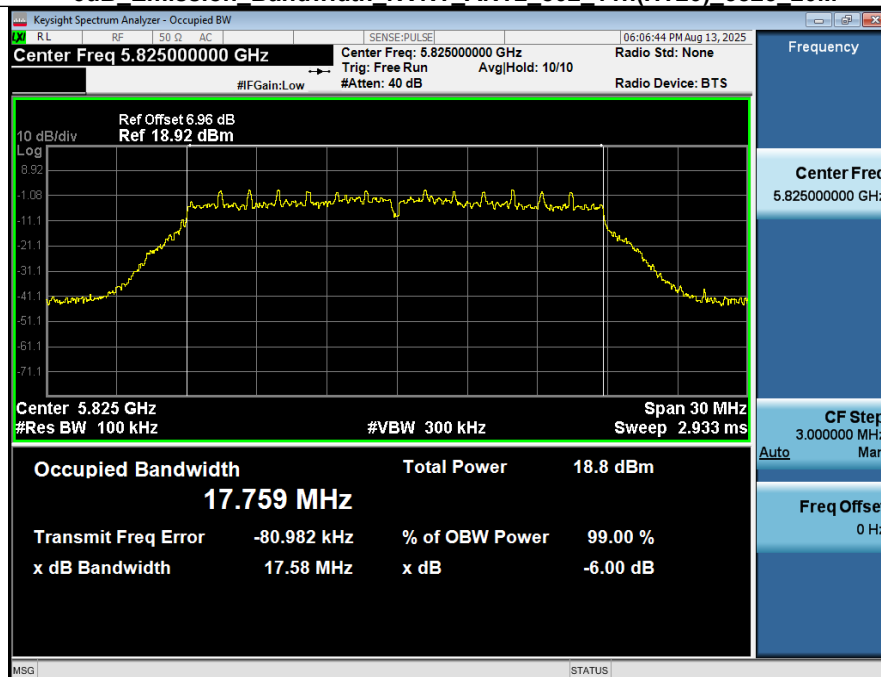
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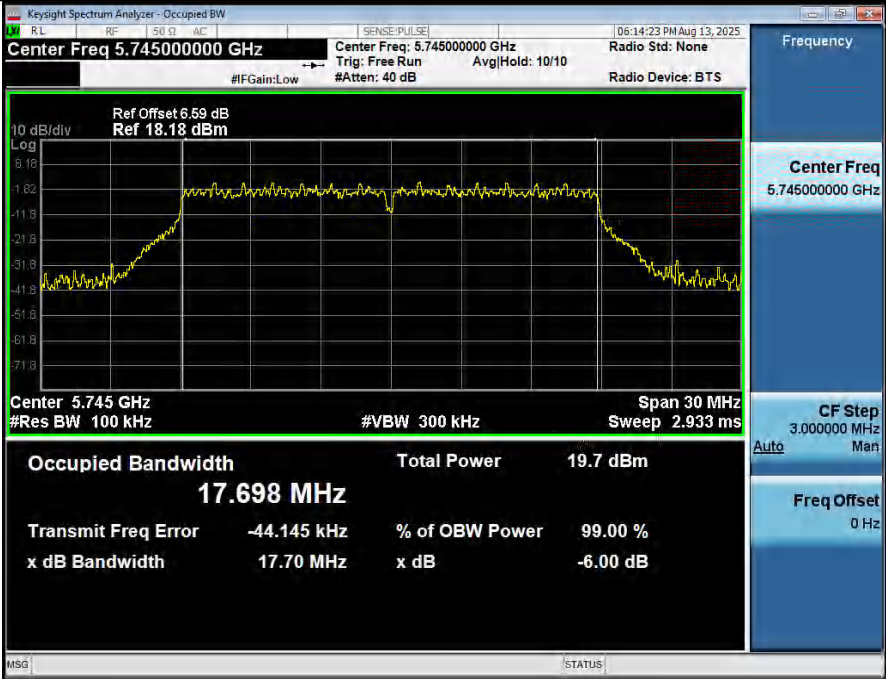
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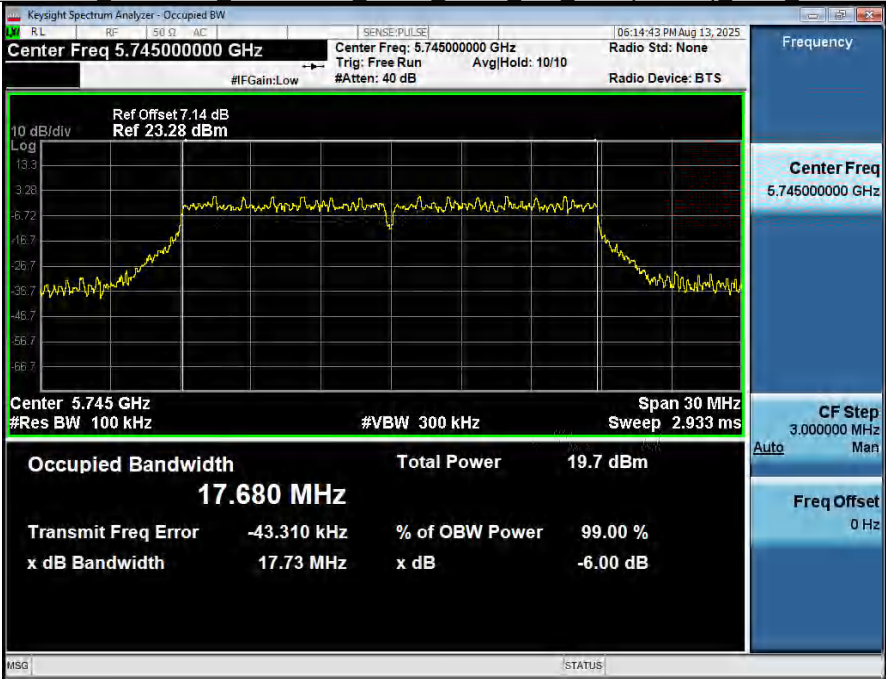
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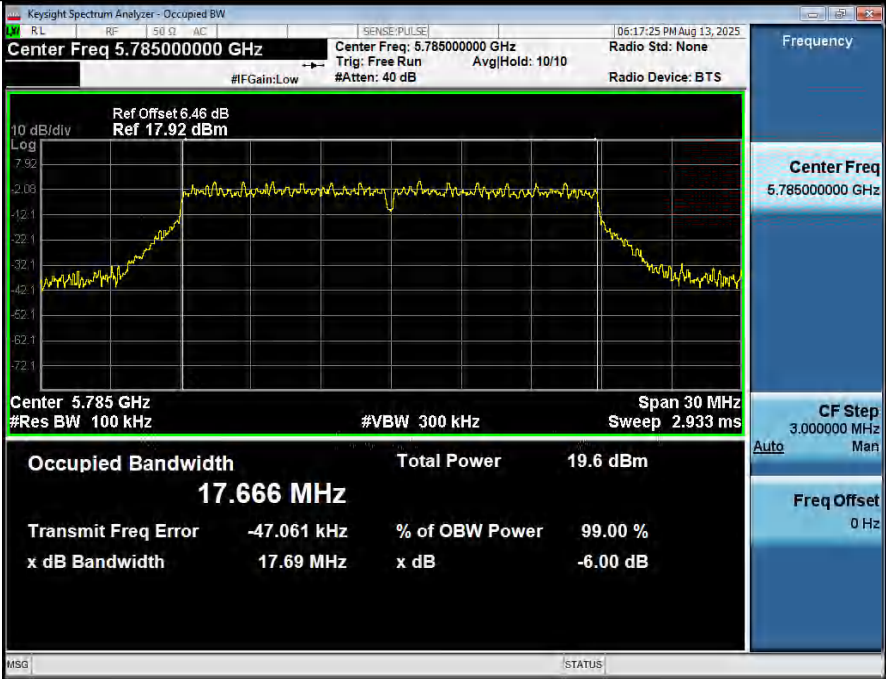
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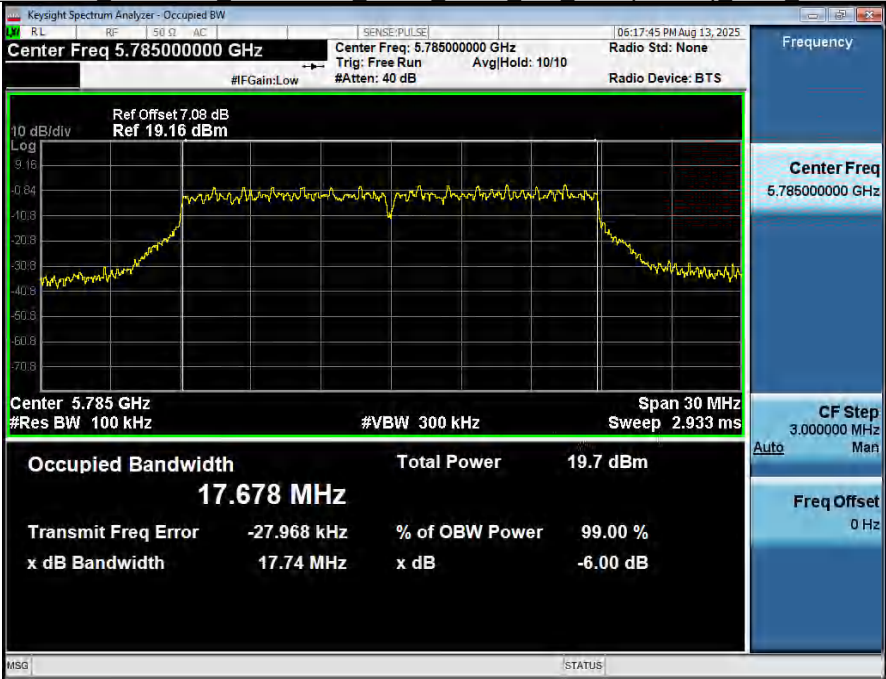
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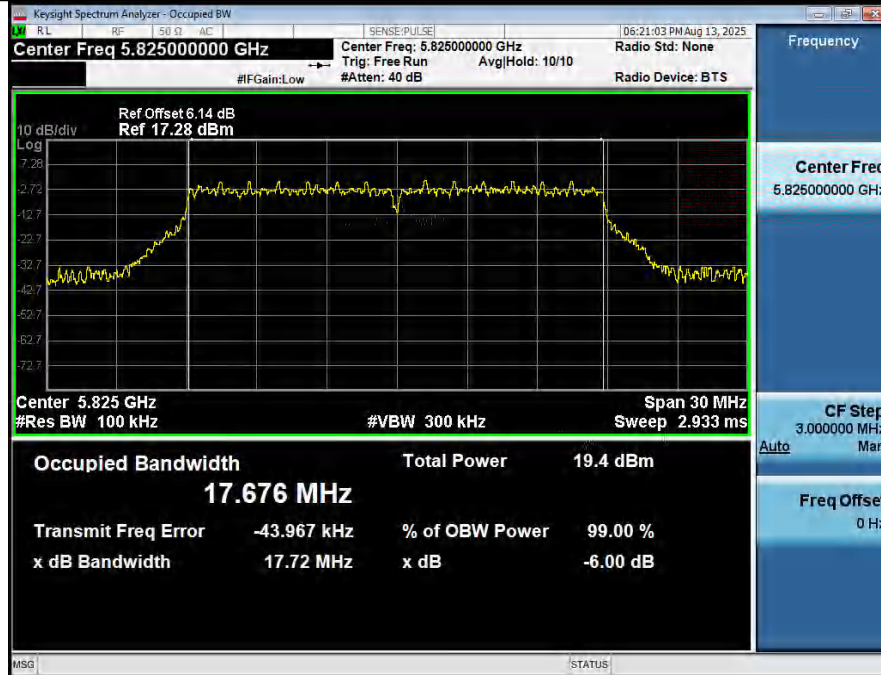
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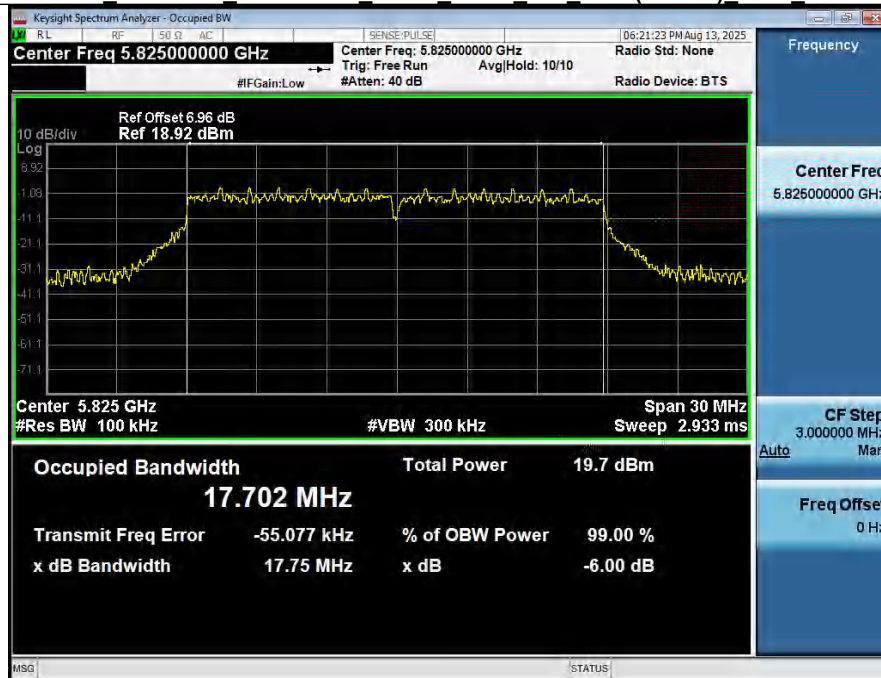
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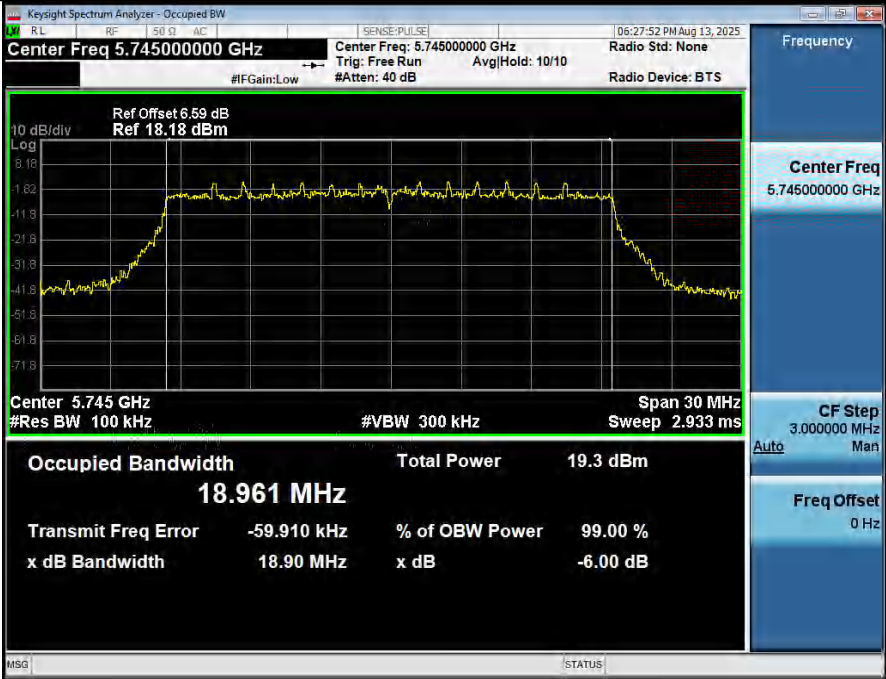
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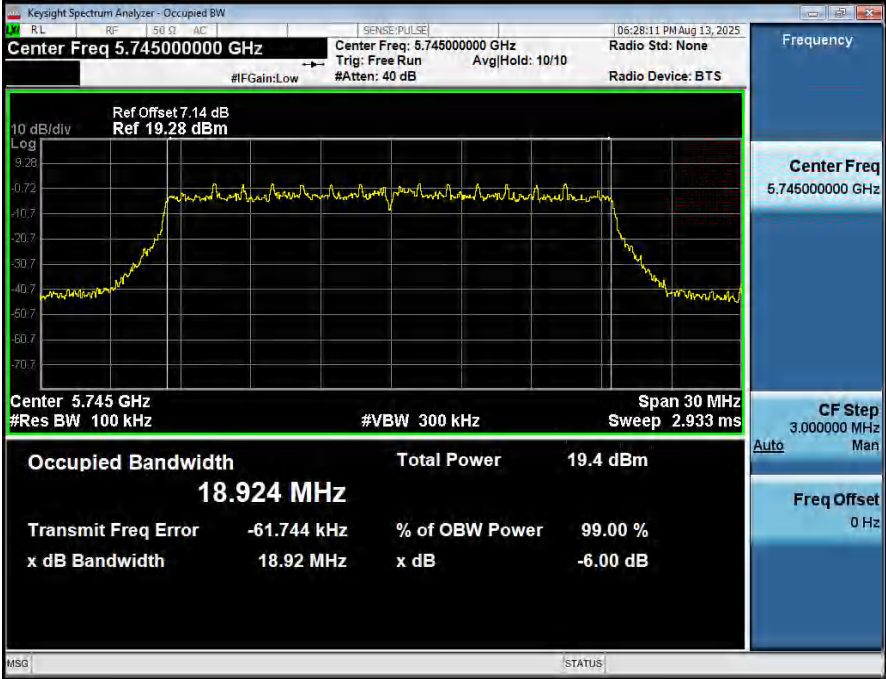
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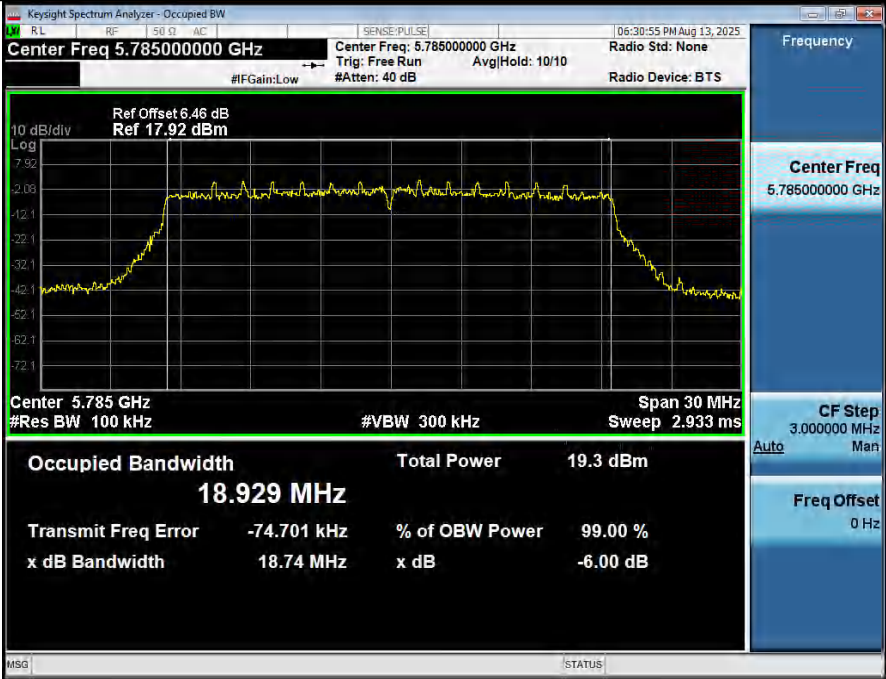
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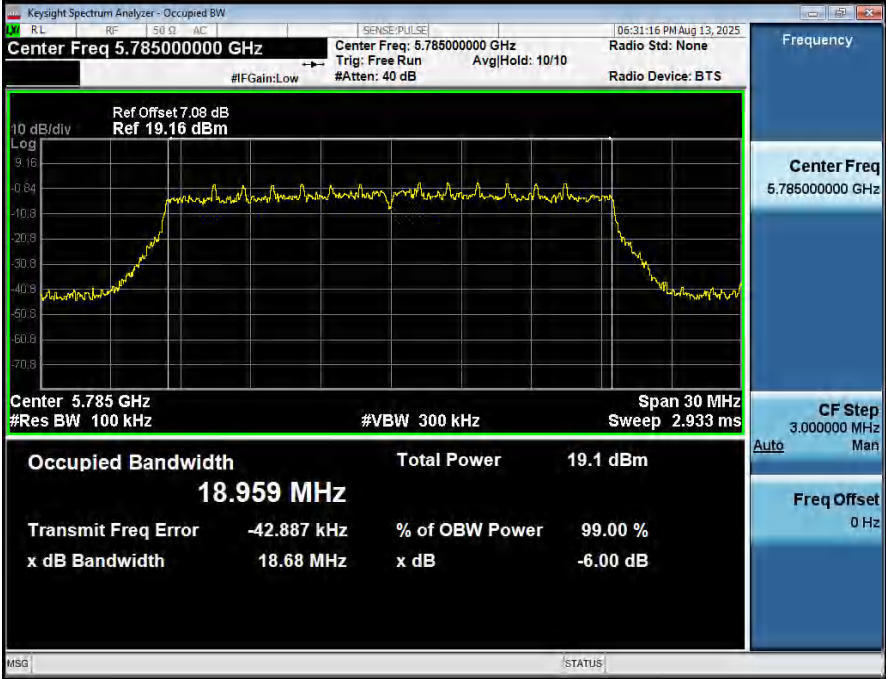
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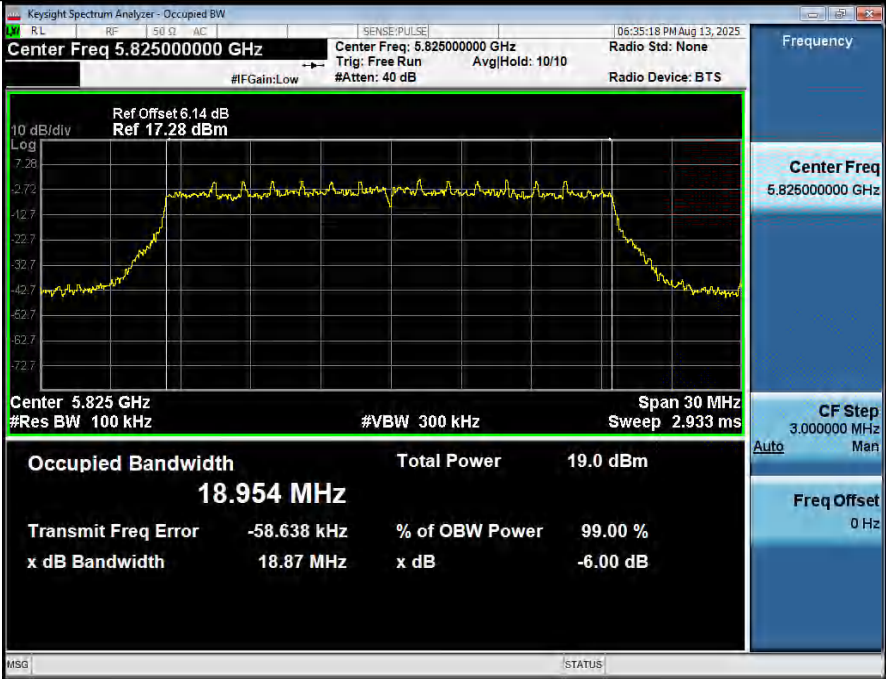
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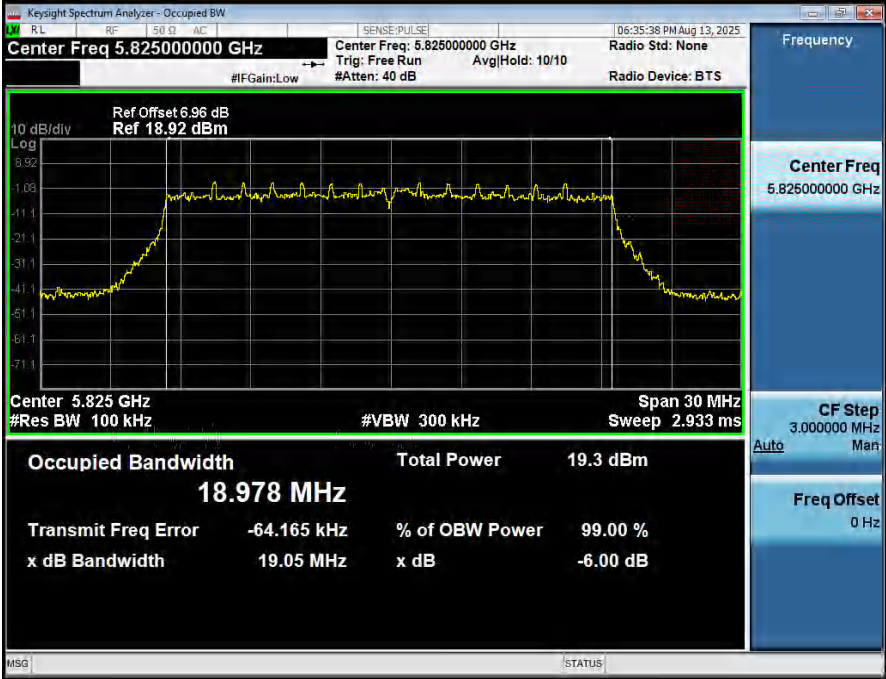
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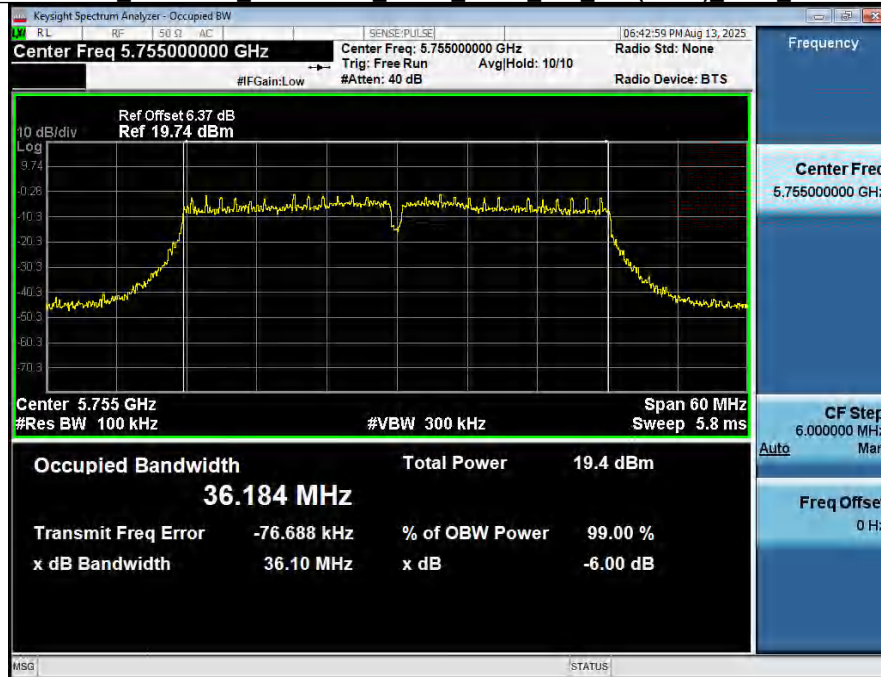
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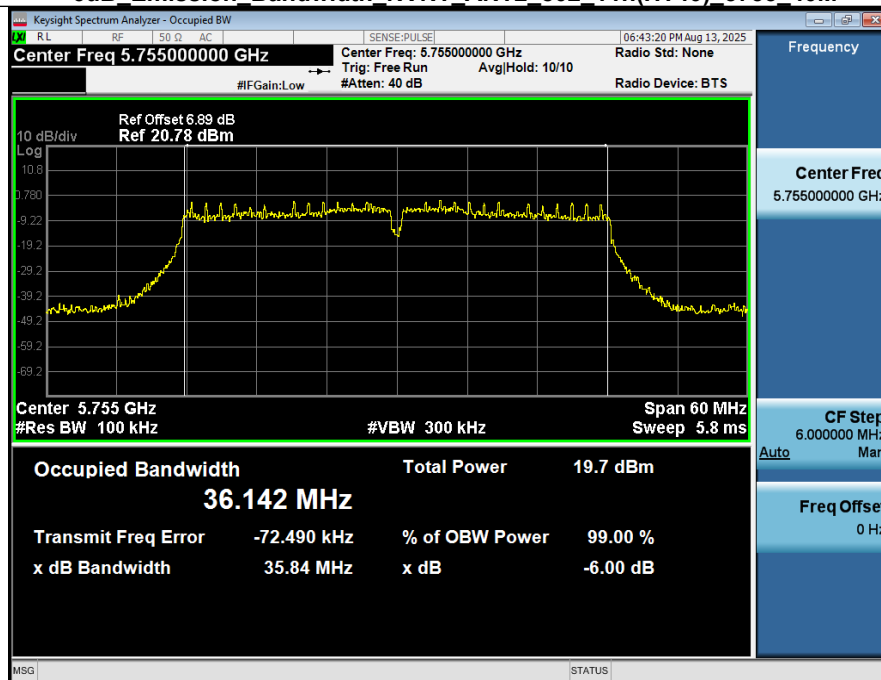
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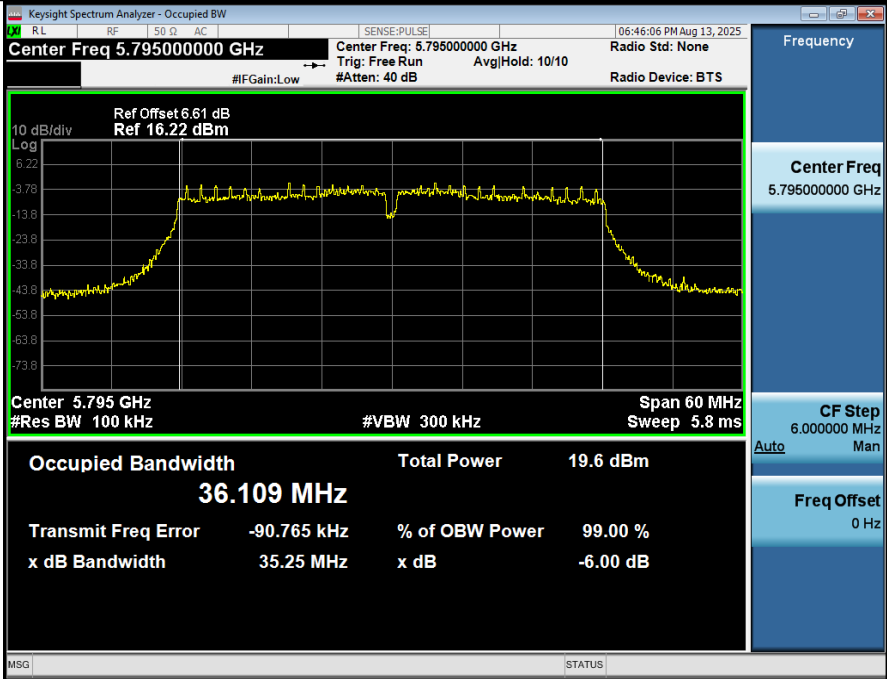
-6dB Emission Bandwidth NVNT ANT1 802 11n(HT40) 5755 40M



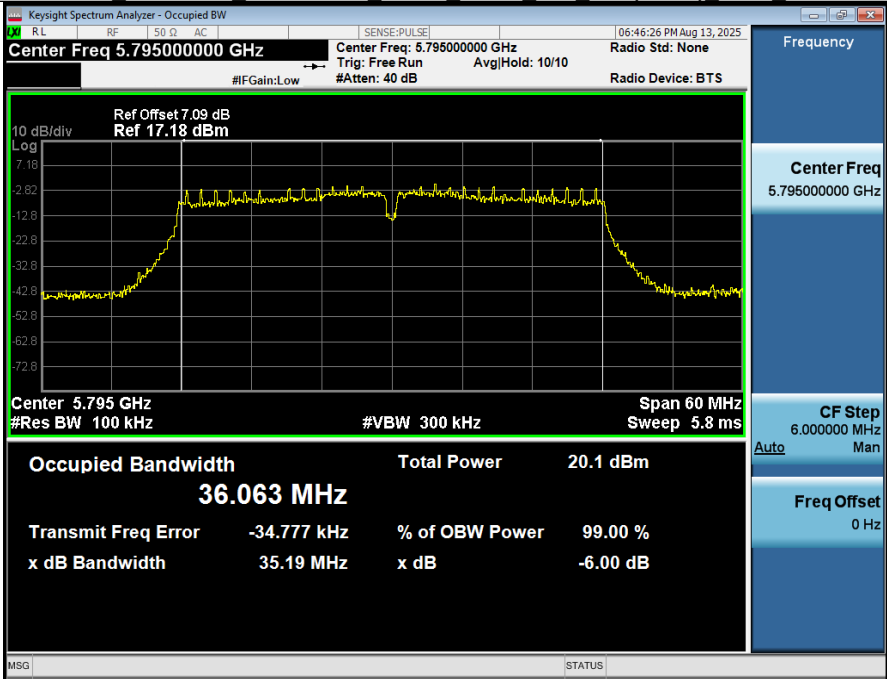
-6dB Emission Bandwidth NVNT ANT2 802 11n(HT40) 5755 40M



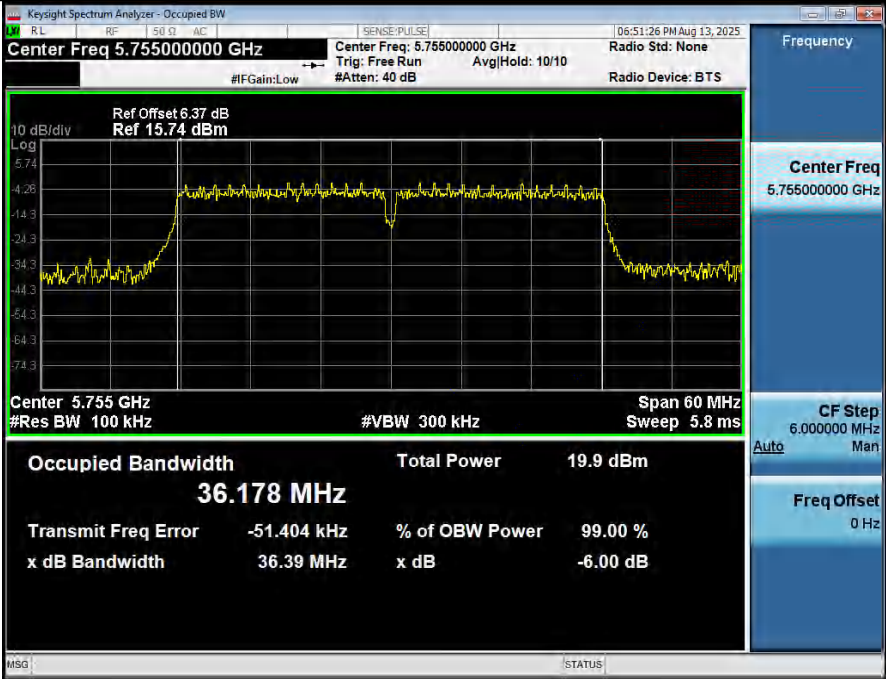
-6dB Emission Bandwidth NVNT ANT1 802 11n(HT40) 5795 40M



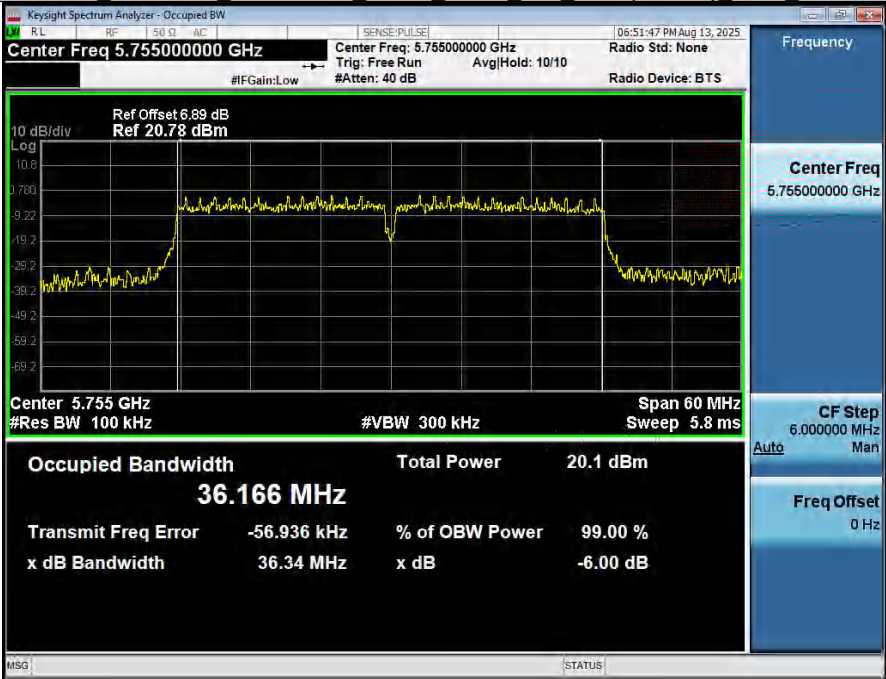
-6dB Emission Bandwidth NVNT ANT2 802 11n(HT40) 5795 40M



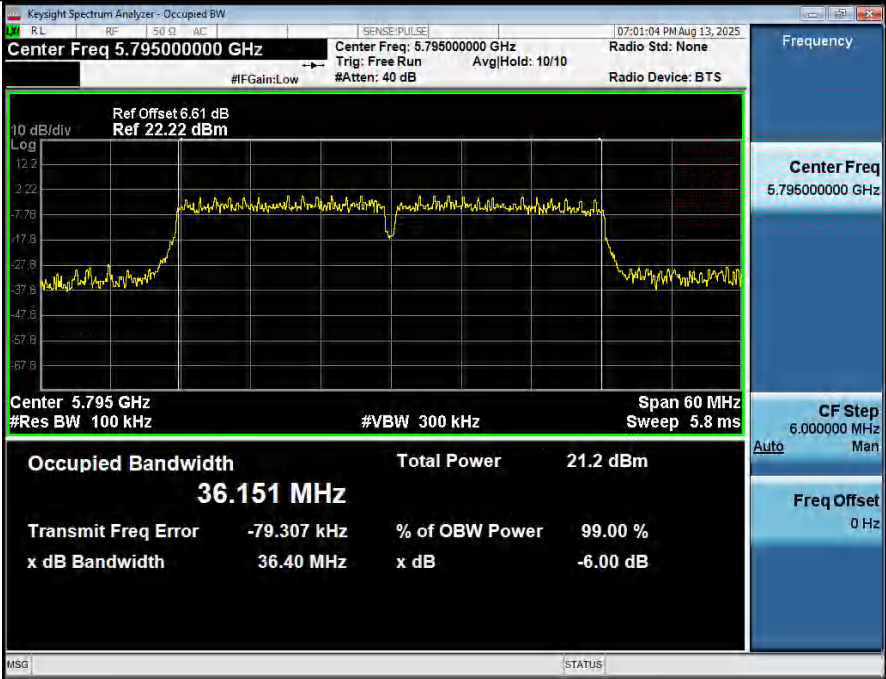
-6dB Emission Bandwidth NVNT ANT1 802 11ac(VHT40) 5755 40M



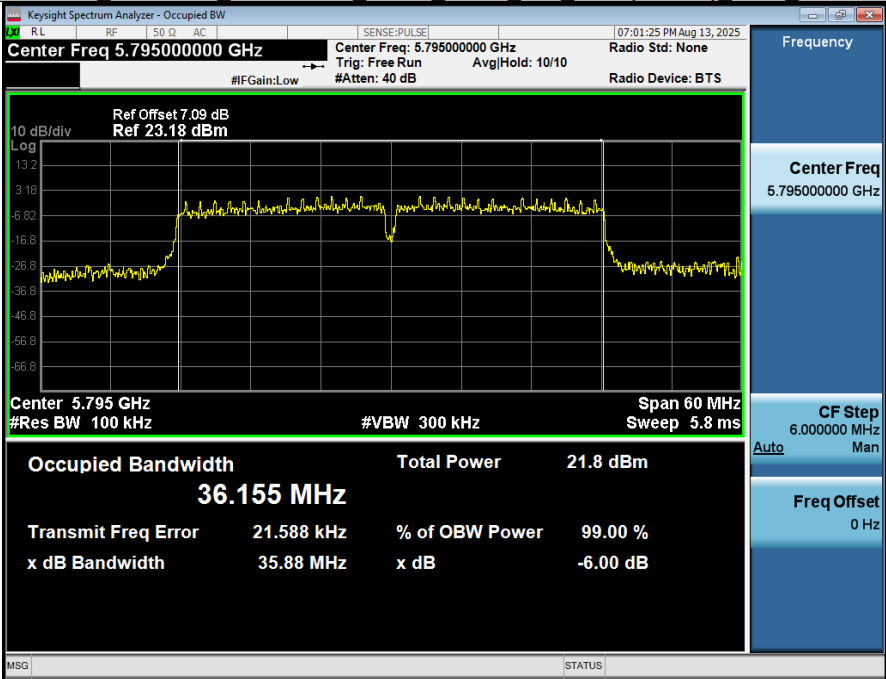
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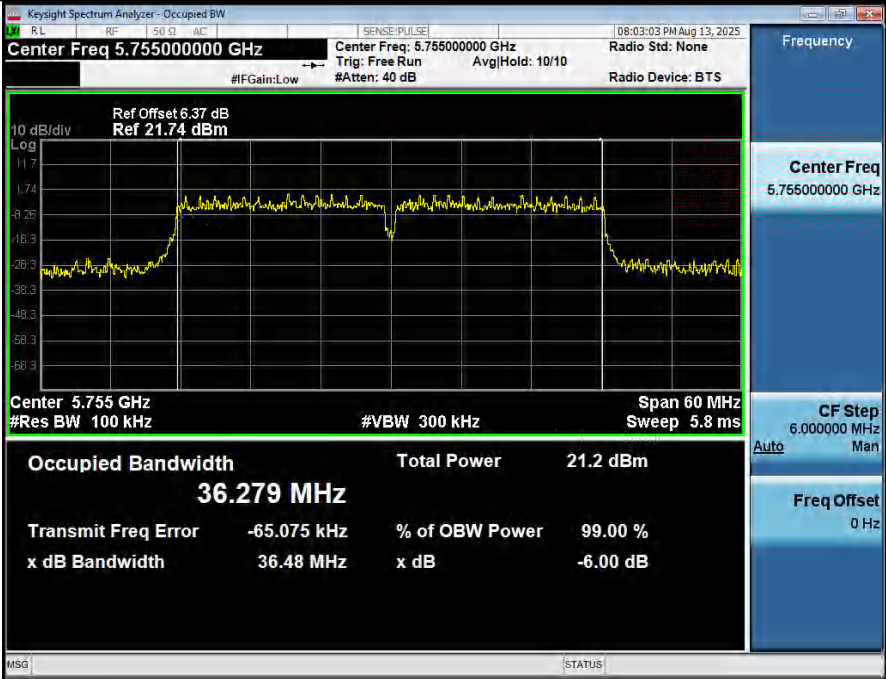
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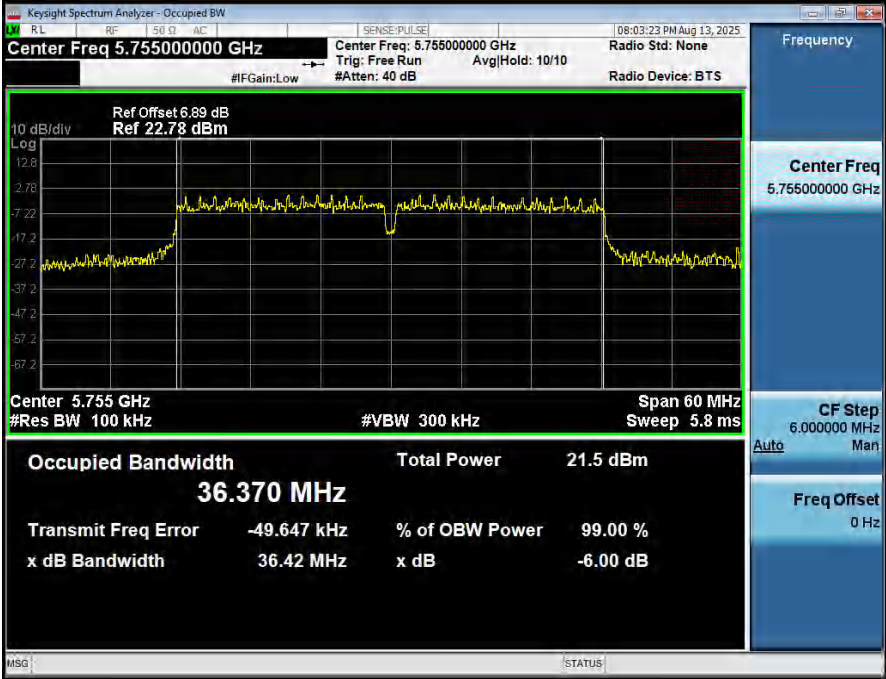
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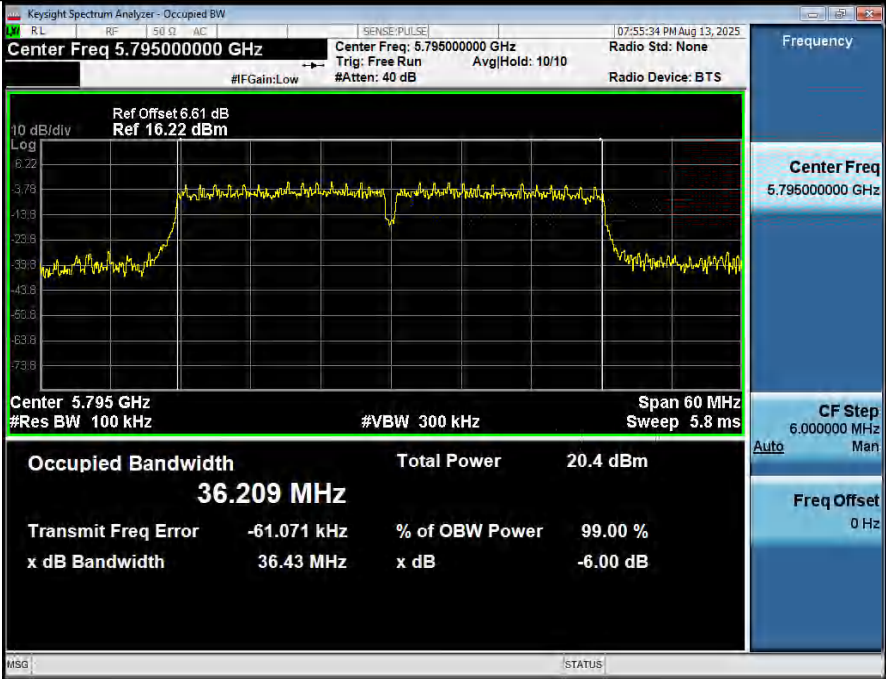
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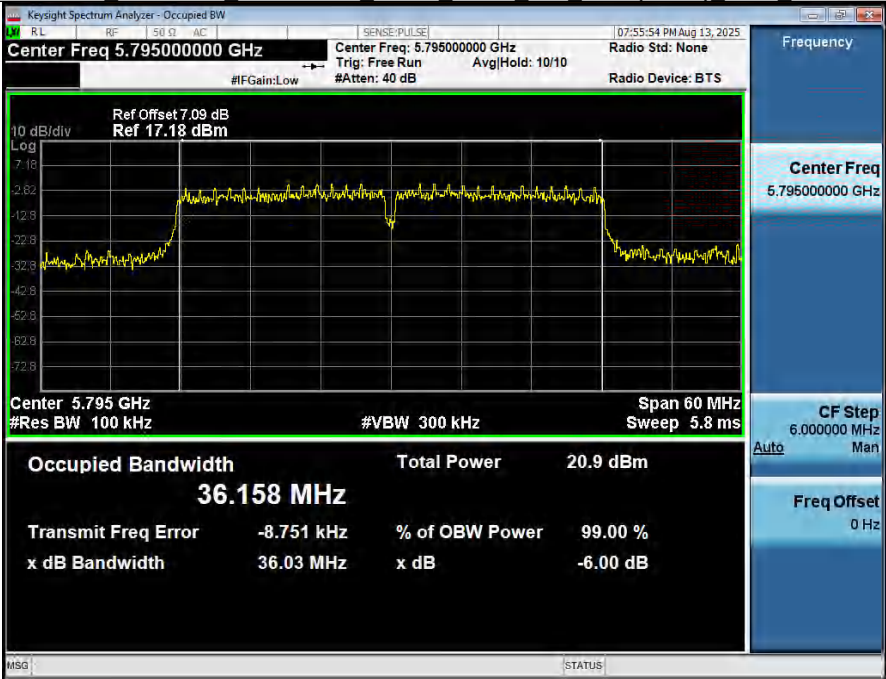
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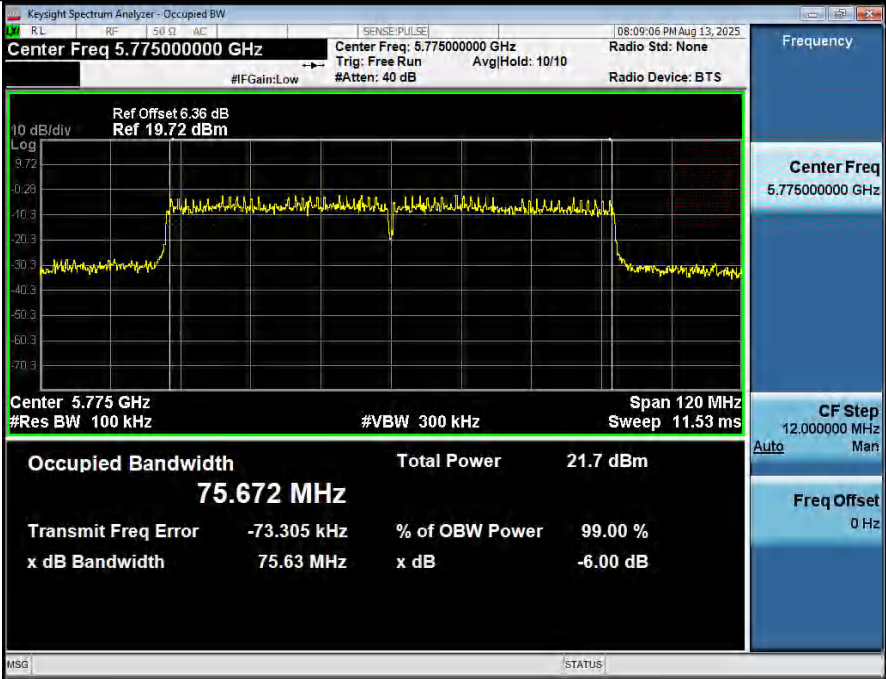
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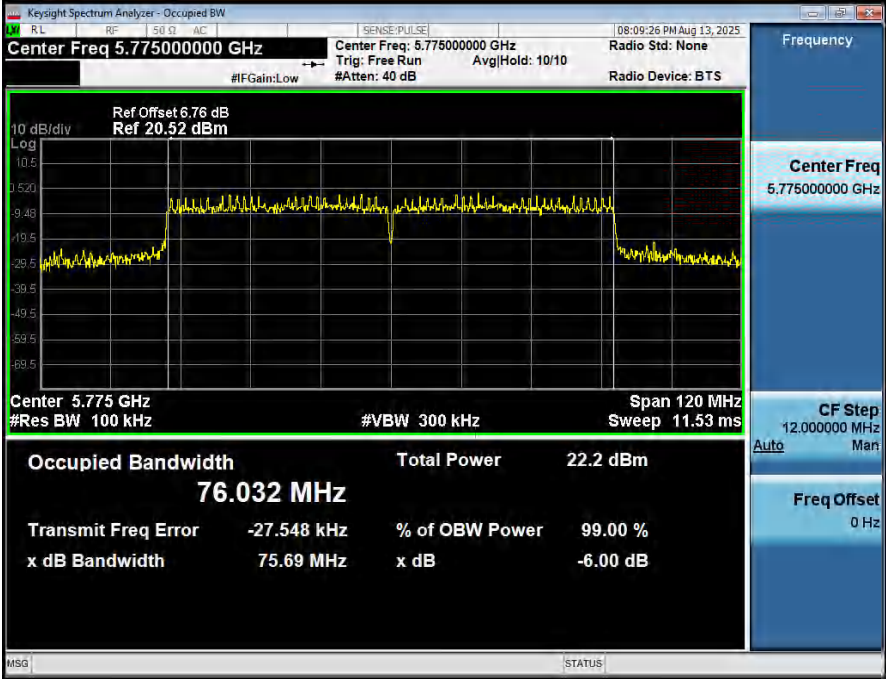
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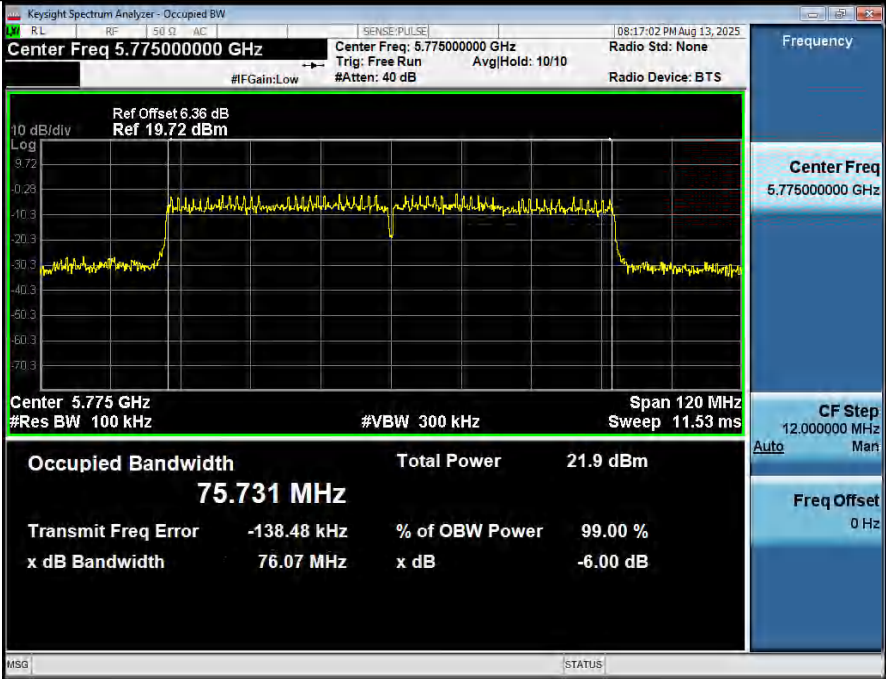
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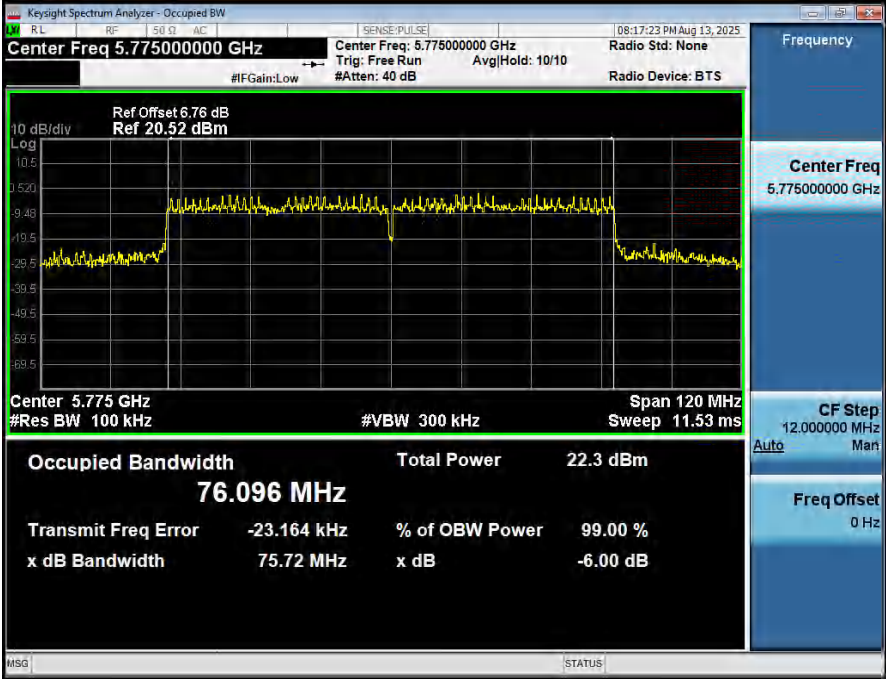
-6dB Emission Bandwidth NVNT_ANT2_802_11ac(VHT80)_5775_80M



-6dB Emission Bandwidth NVNT ANT1 802 11ax(HE80) 5775 80M



-6dB Emission Bandwidth NVNT ANT2 802 11ax(HE80) 5775 80M

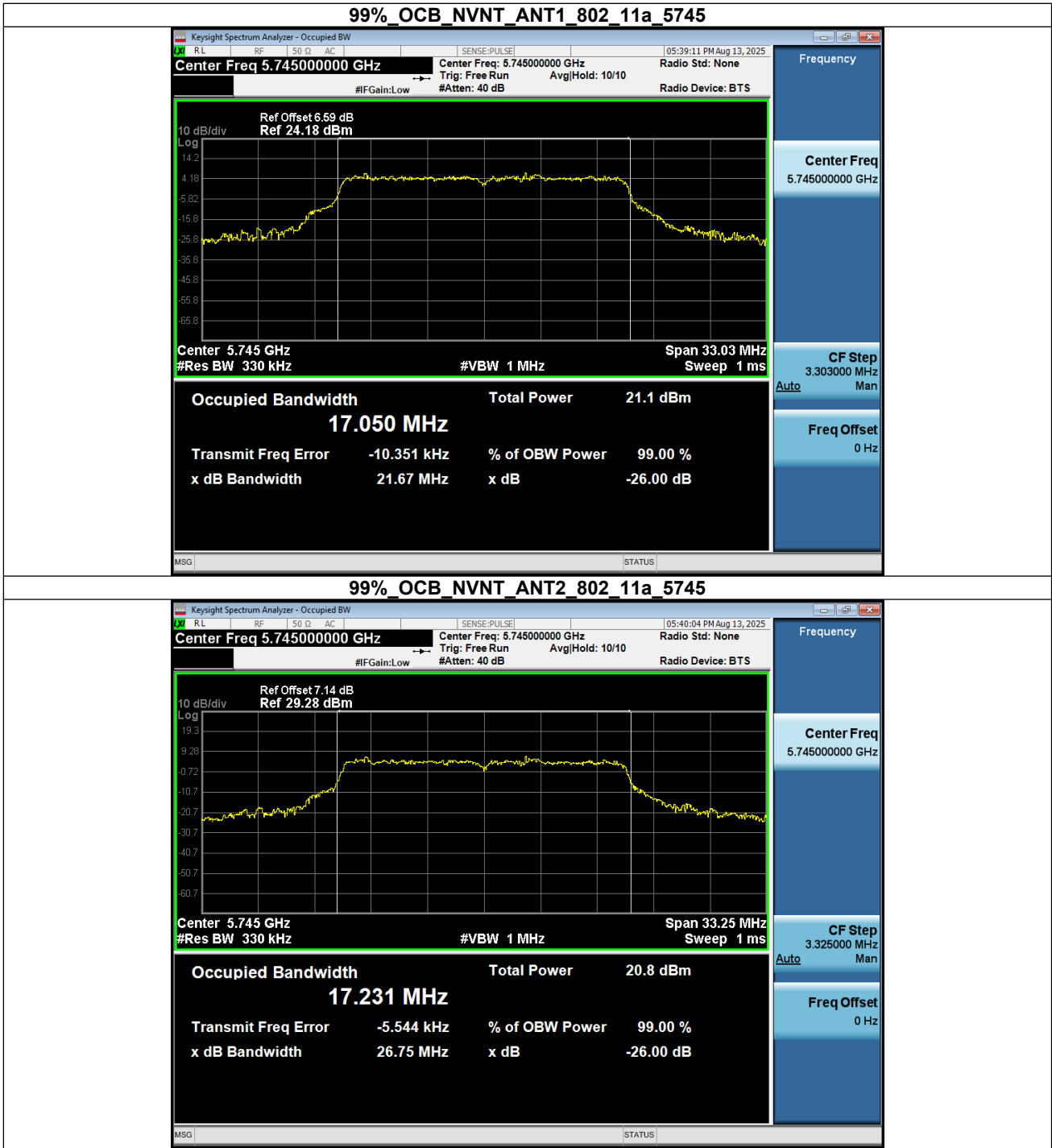


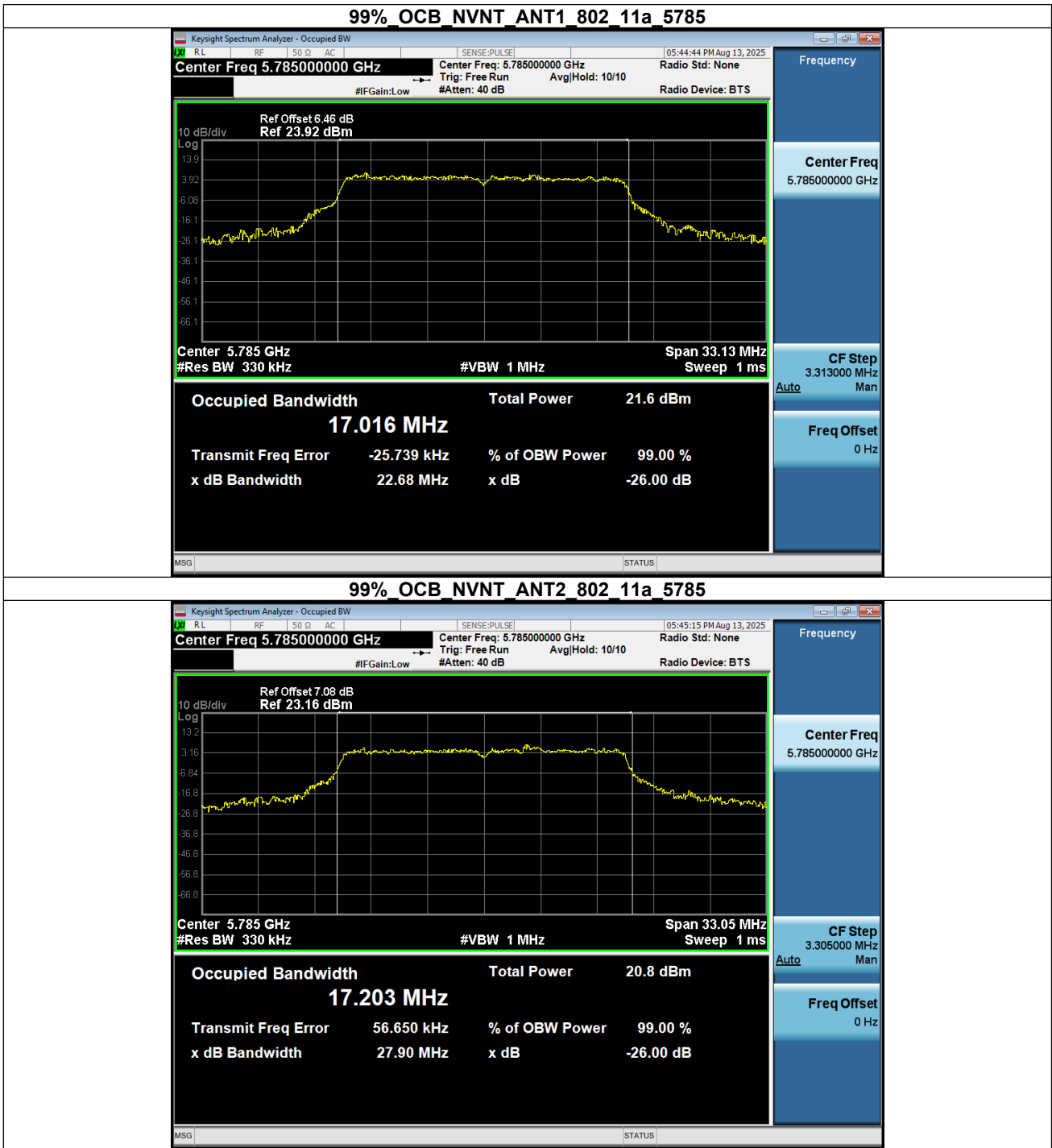
Appendix B.2: Test Results of 99% Bandwidth

Test Result

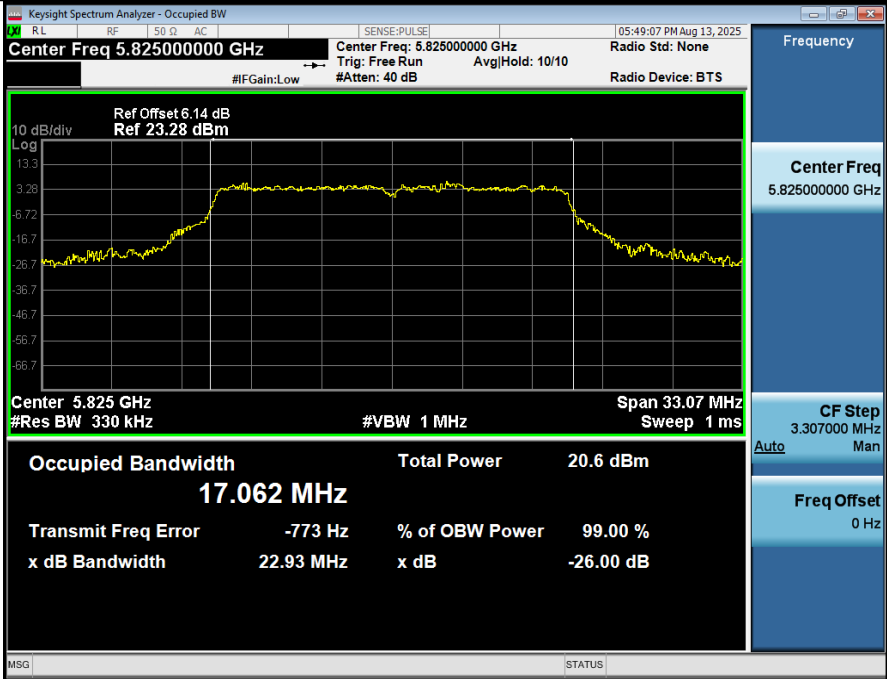
Condition	Antenna	Modulation	Frequency (MHz)	Occupied Bandwidth (MHz)
NVNT	ANT1	802.11a	5745.00	17.05
NVNT	ANT2	802.11a	5745.00	17.23
NVNT	ANT1	802.11a	5785.00	17.02
NVNT	ANT2	802.11a	5785.00	17.20
NVNT	ANT1	802.11a	5825.00	17.06
NVNT	ANT2	802.11a	5825.00	17.31
NVNT	ANT1	802.11n(HT20)	5745.00	18.37
NVNT	ANT2	802.11n(HT20)	5745.00	18.35
NVNT	ANT1	802.11n(HT20)	5785.00	18.32
NVNT	ANT2	802.11n(HT20)	5785.00	18.36
NVNT	ANT1	802.11n(HT20)	5825.00	18.35
NVNT	ANT2	802.11n(HT20)	5825.00	18.44
NVNT	ANT1	802.11ac(VHT20)	5745.00	18.12
NVNT	ANT2	802.11ac(VHT20)	5745.00	18.18
NVNT	ANT1	802.11ac(VHT20)	5785.00	18.03
NVNT	ANT2	802.11ac(VHT20)	5785.00	18.17
NVNT	ANT1	802.11ac(VHT20)	5825.00	18.15
NVNT	ANT2	802.11ac(VHT20)	5825.00	18.14
NVNT	ANT1	802.11ax(HE20)	5745.00	19.13
NVNT	ANT2	802.11ax(HE20)	5745.00	19.12
NVNT	ANT1	802.11ax(HE20)	5785.00	19.11
NVNT	ANT2	802.11ax(HE20)	5785.00	19.15
NVNT	ANT1	802.11ax(HE20)	5825.00	19.12
NVNT	ANT2	802.11ax(HE20)	5825.00	19.14
NVNT	ANT1	802.11n(HT40)	5755.00	36.73
NVNT	ANT2	802.11n(HT40)	5755.00	36.45
NVNT	ANT1	802.11n(HT40)	5795.00	36.56
NVNT	ANT2	802.11n(HT40)	5795.00	36.45
NVNT	ANT1	802.11ac(VHT40)	5755.00	36.62
NVNT	ANT2	802.11ac(VHT40)	5755.00	36.60
NVNT	ANT1	802.11ac(VHT40)	5795.00	36.57
NVNT	ANT2	802.11ac(VHT40)	5795.00	36.71
NVNT	ANT1	802.11ax(HE40)	5755.00	36.95
NVNT	ANT2	802.11ax(HE40)	5755.00	37.64
NVNT	ANT1	802.11ax(HE40)	5795.00	36.58
NVNT	ANT2	802.11ax(HE40)	5795.00	36.78
NVNT	ANT1	802.11ac(VHT80)	5775.00	76.95
NVNT	ANT1	802.11ax(HE80)	5775.00	76.95
NVNT	ANT2	802.11ax(HE80)	5775.00	78.32

Test Graphs

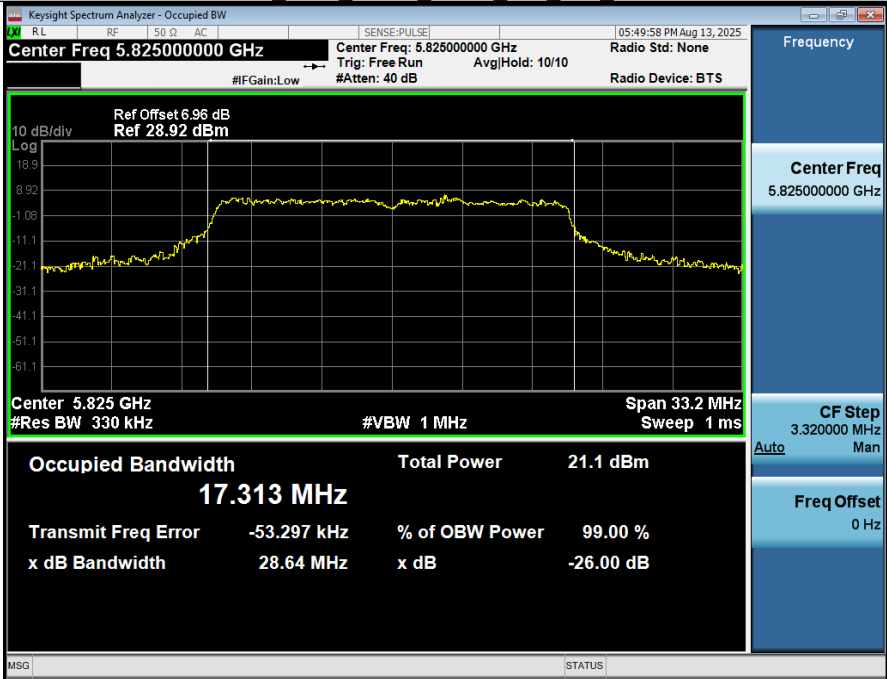


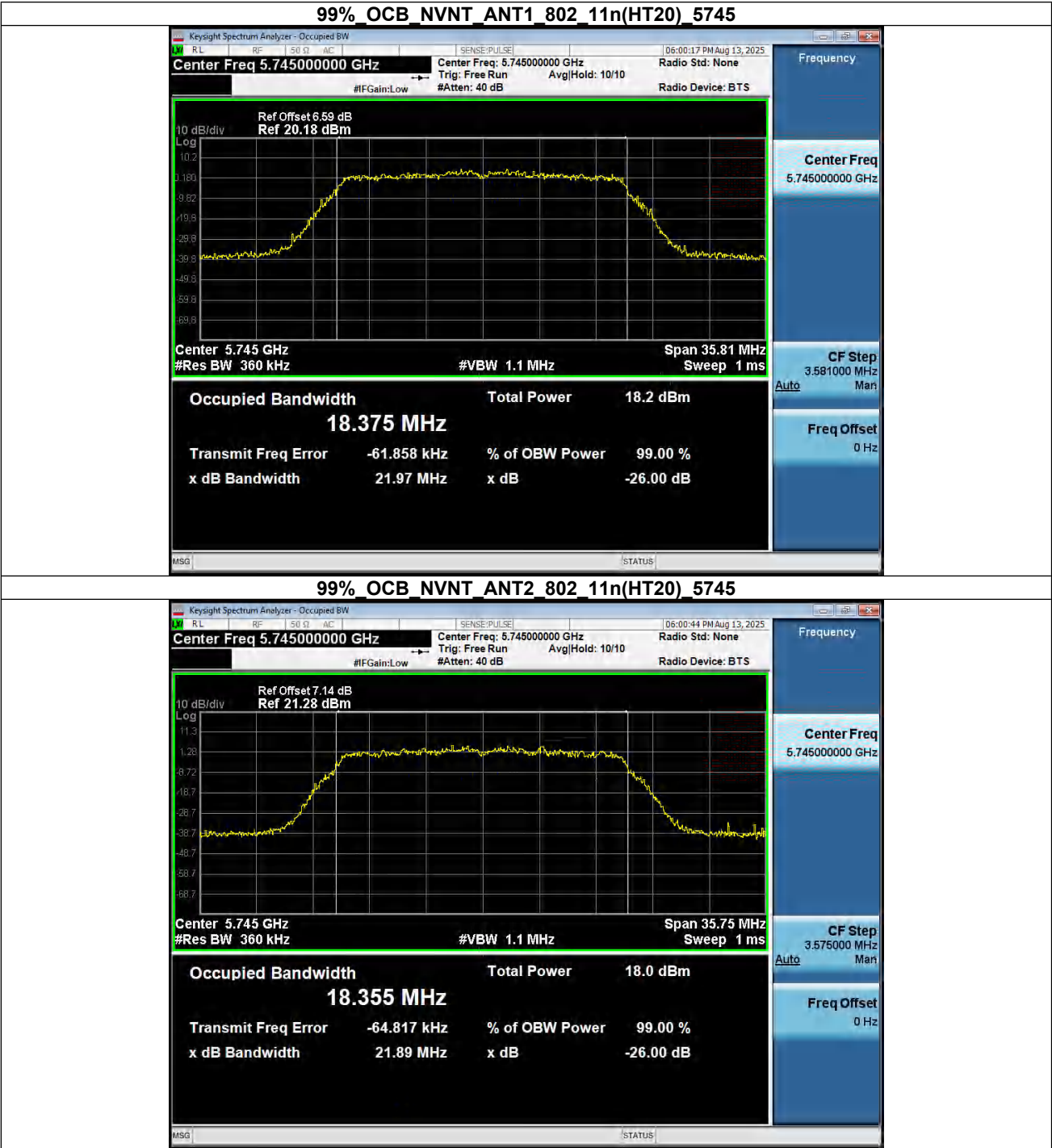


99% OCB NVNT ANT1 802 11a 5825

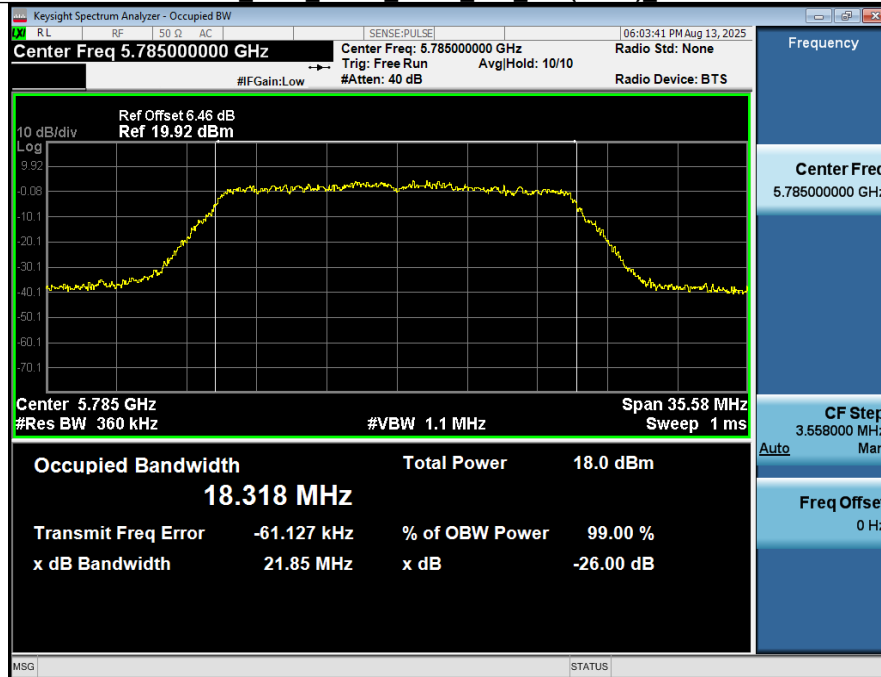


99% OCB NVNT ANT2 802 11a 5825



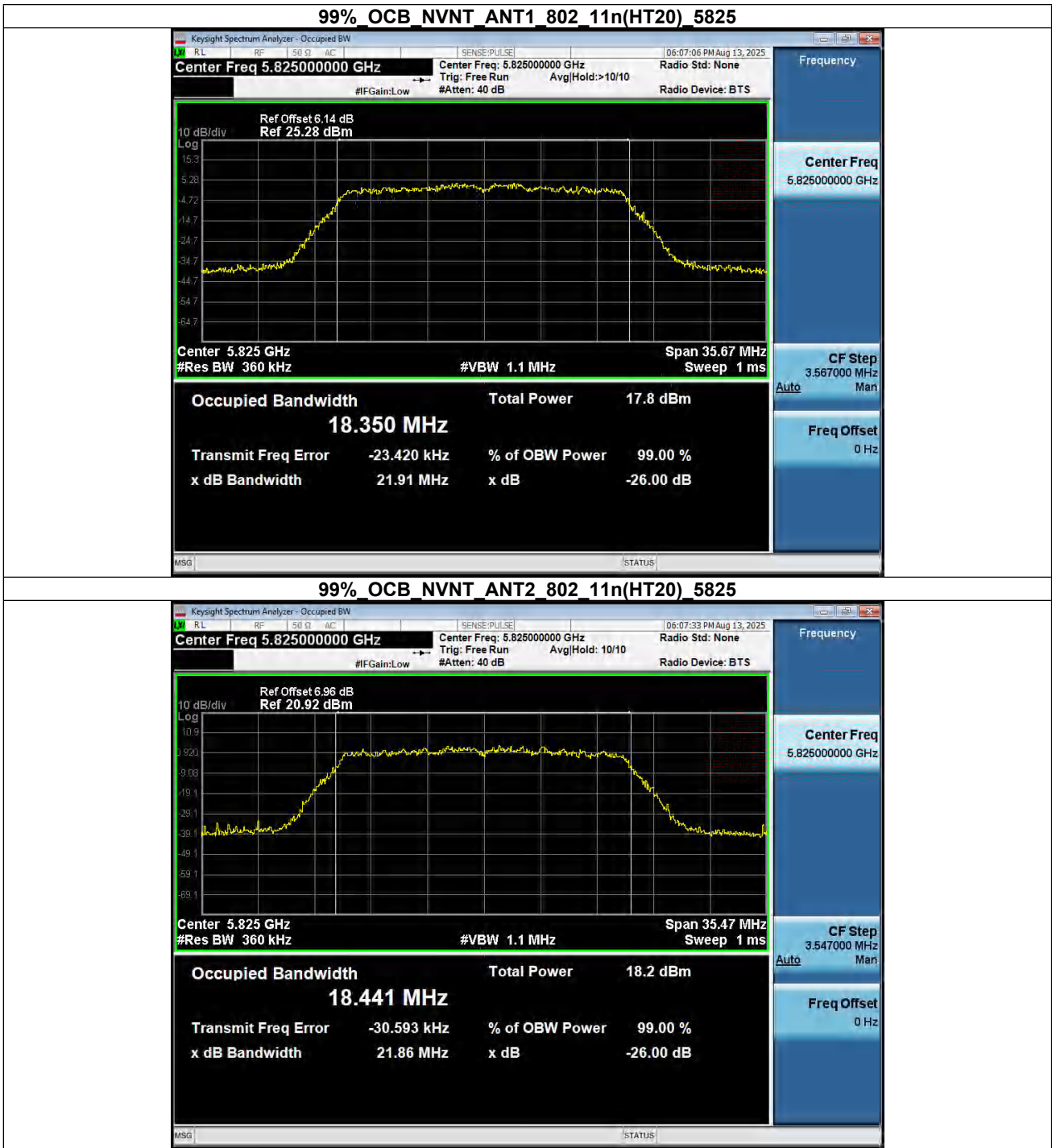


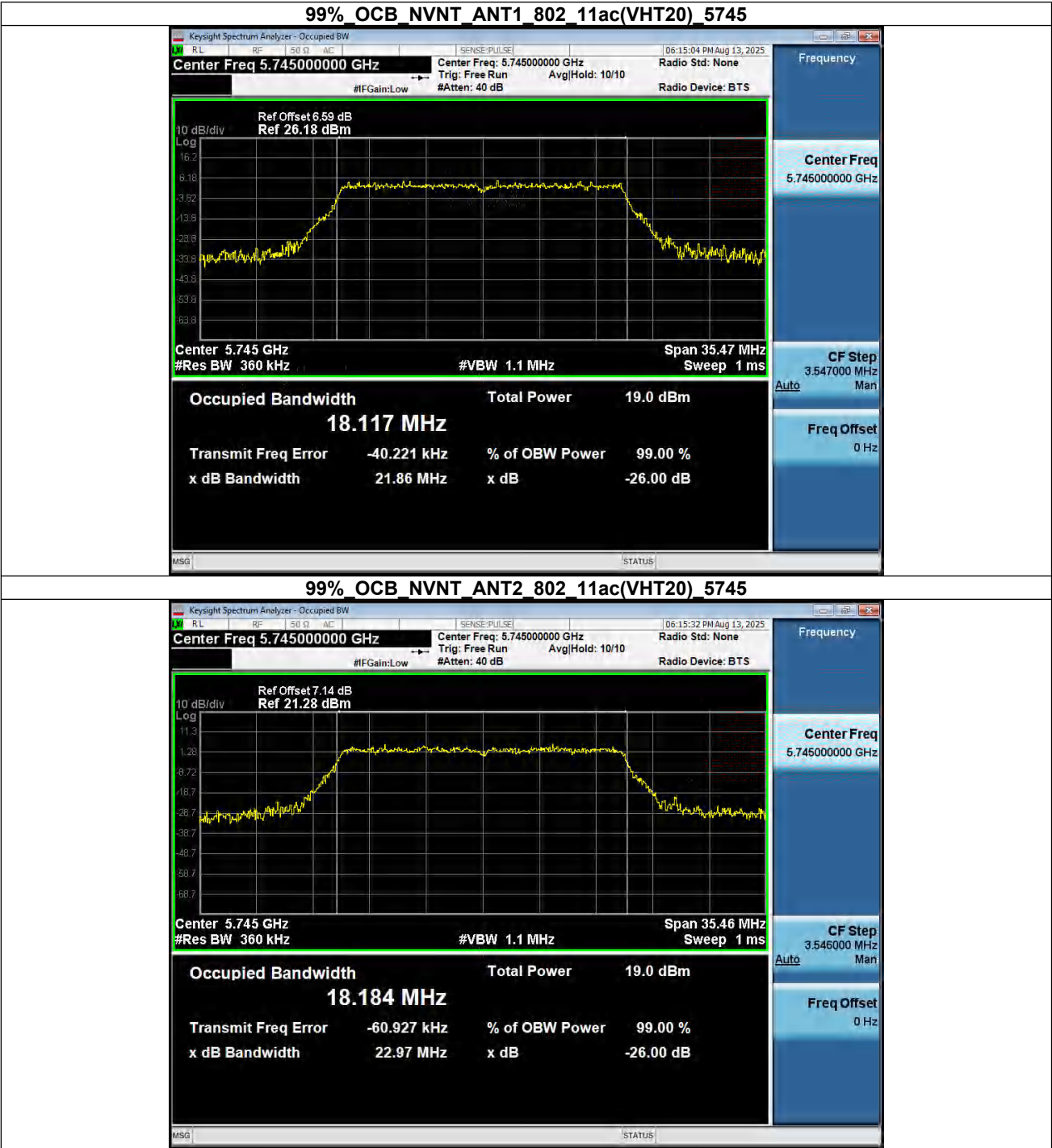
99% OCB NVNT ANT1 802_11n(HT20)_5785

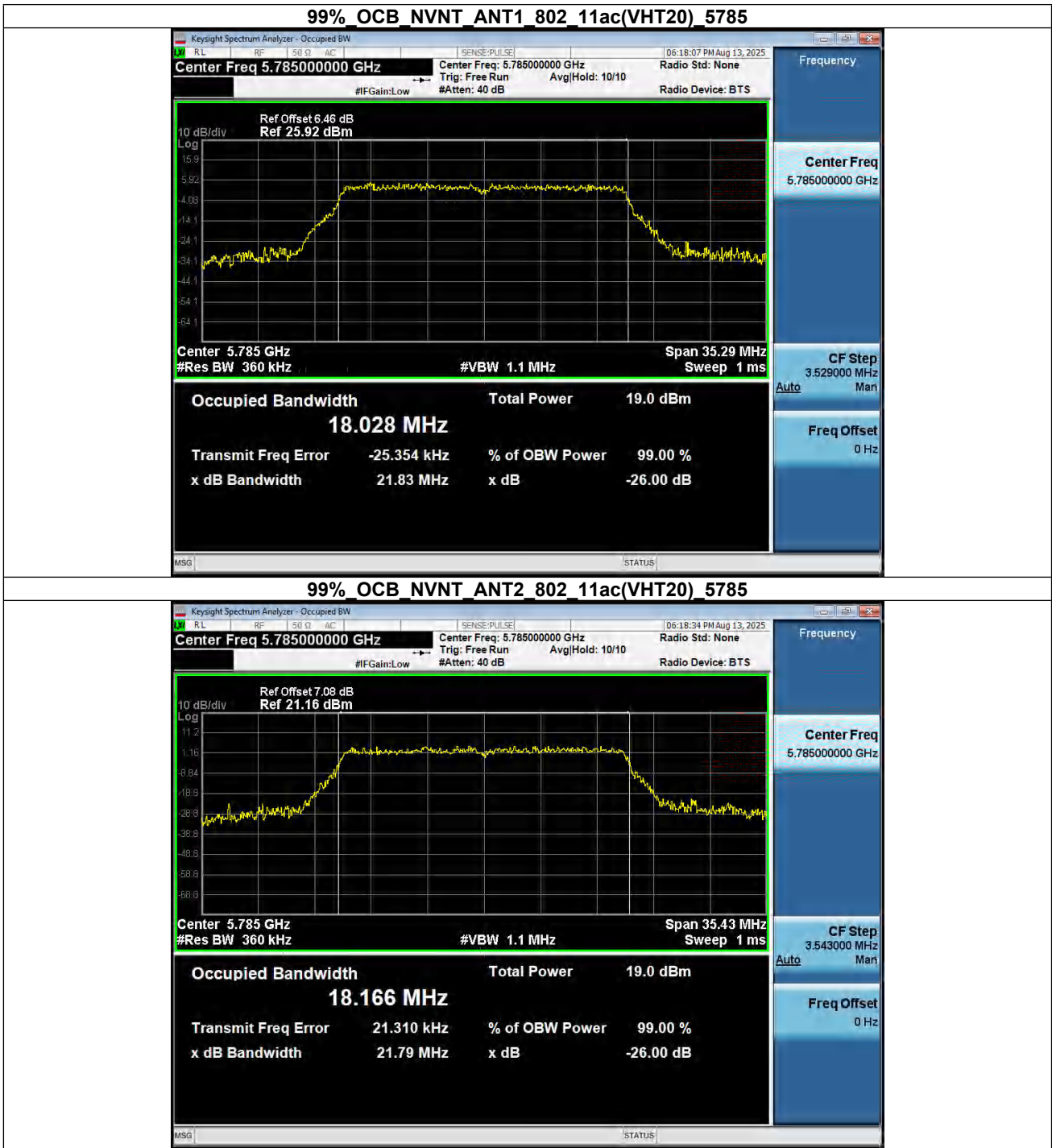


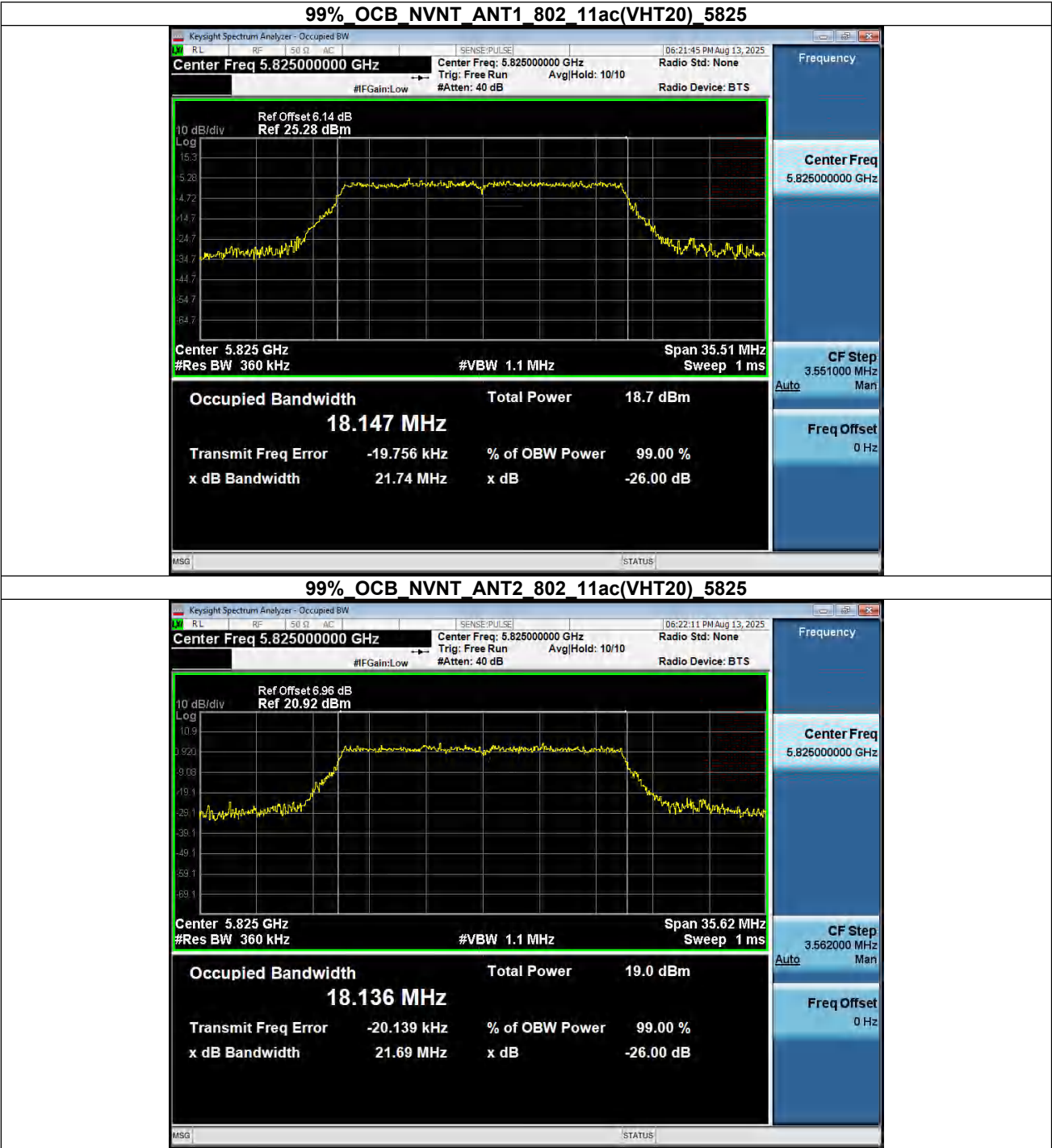
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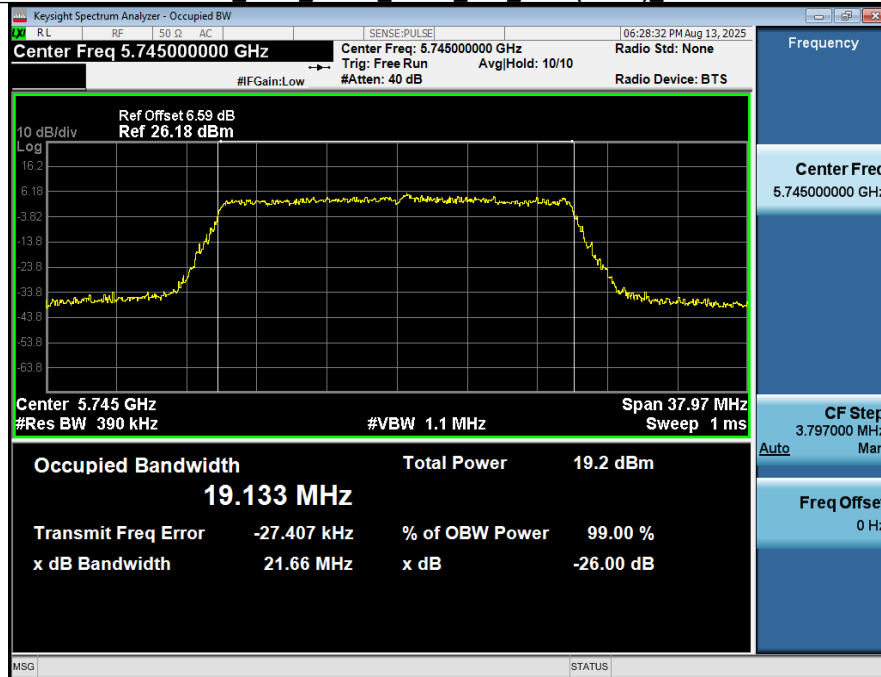




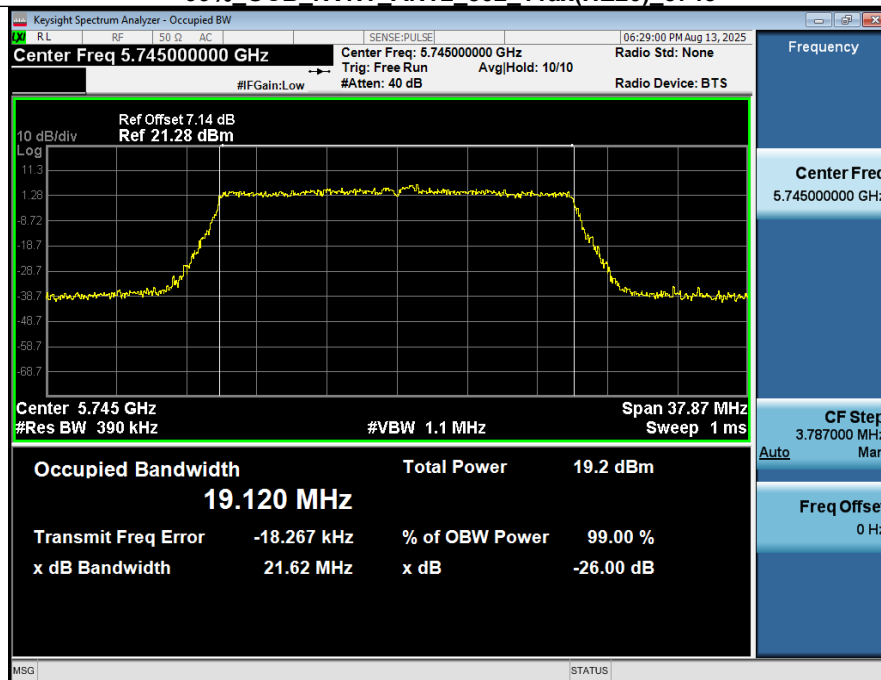




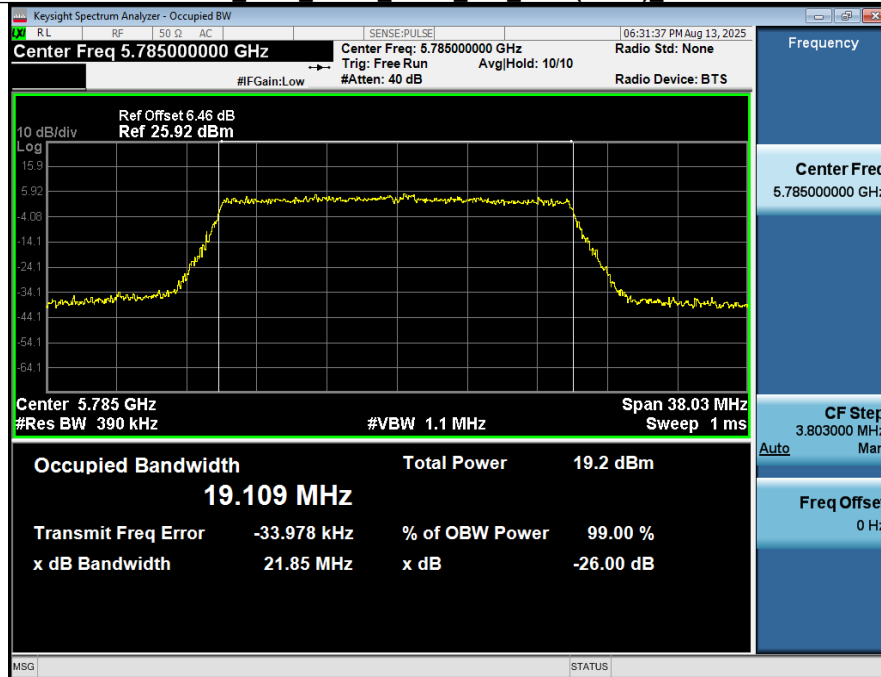
99% OCB NVNT ANT1_802_11ax(HE20)_5745



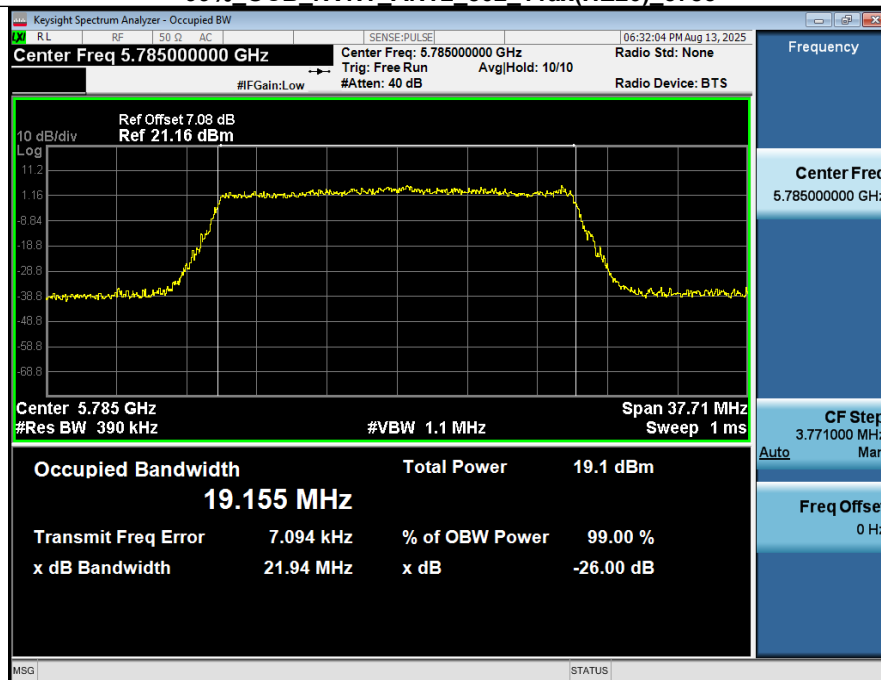
99% OCB NVNT ANT2_802_11ax(HE20)_5745



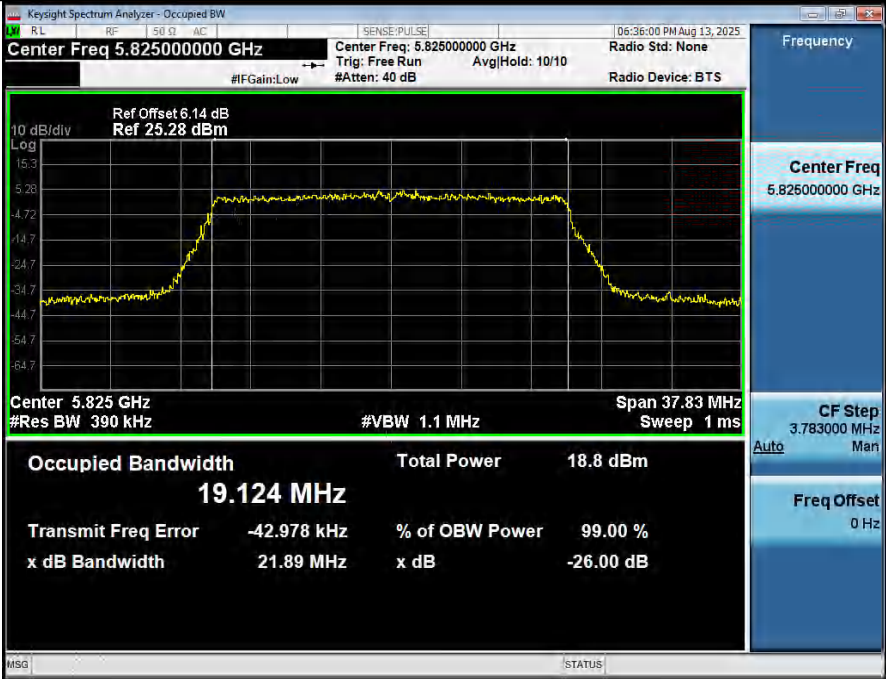
99% OCB NVNT ANT1_802_11ax(HE20) 5785



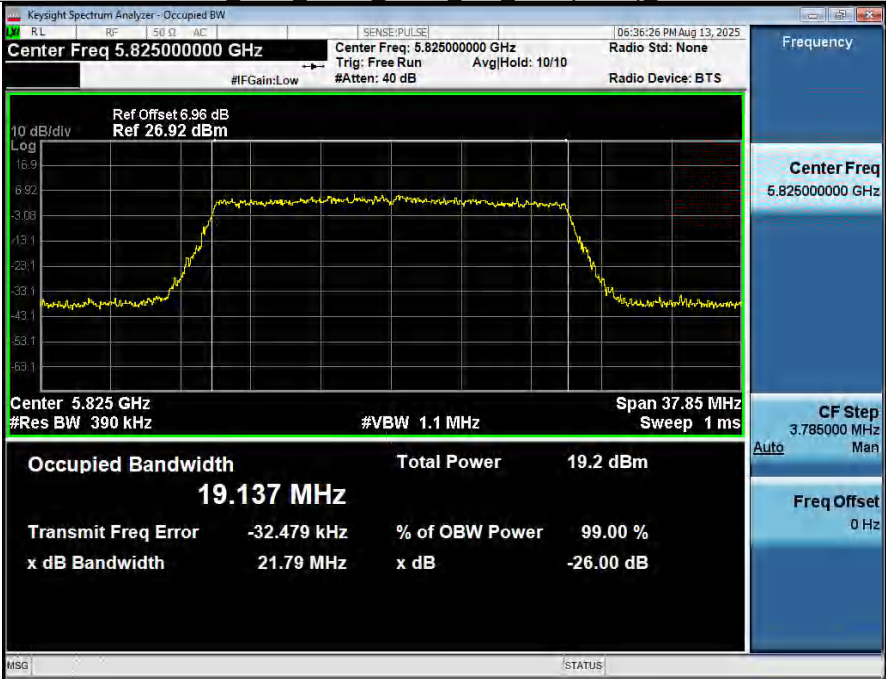
99% OCB NVNT ANT2_802_11ax(HE20) 5785

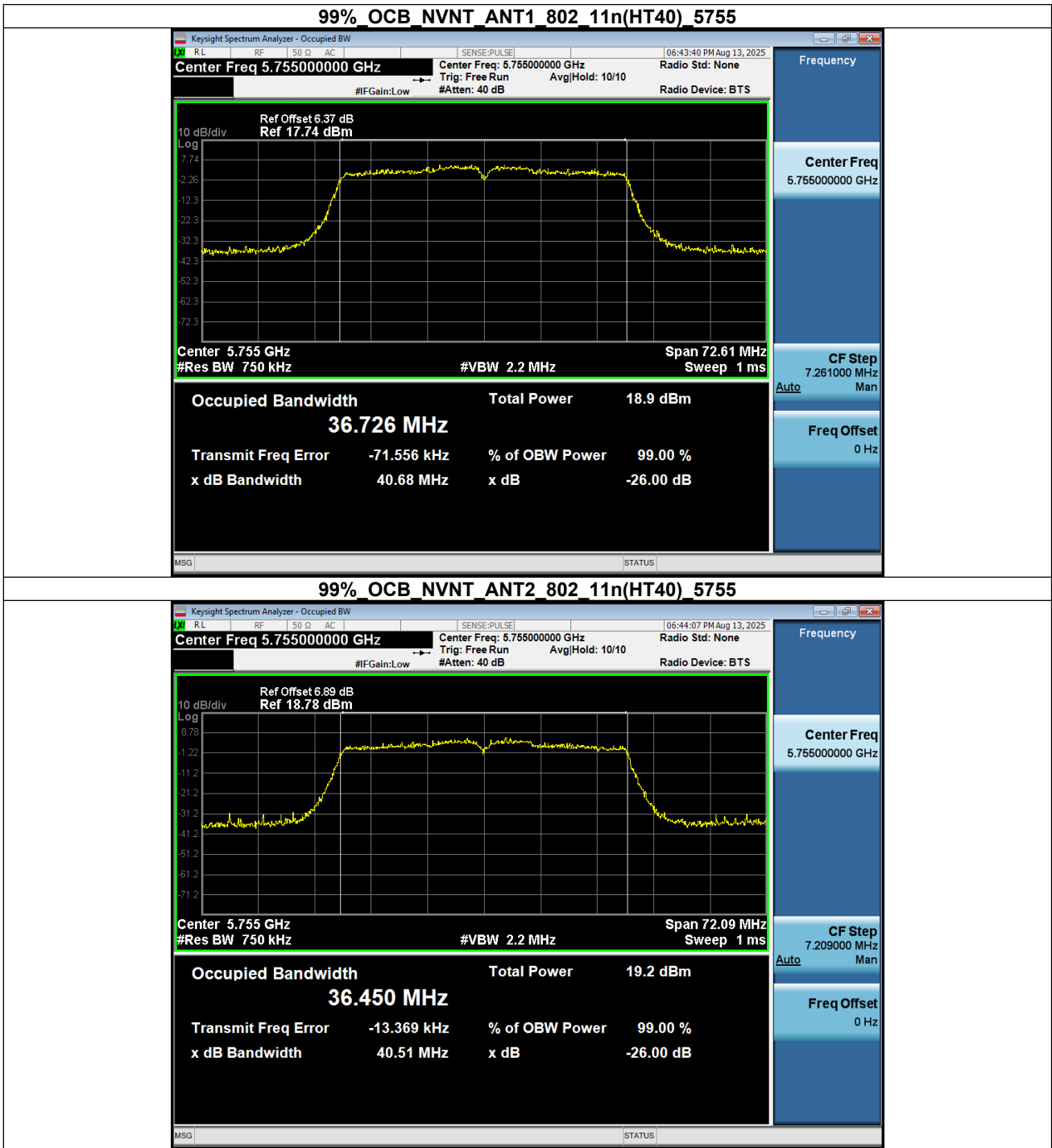


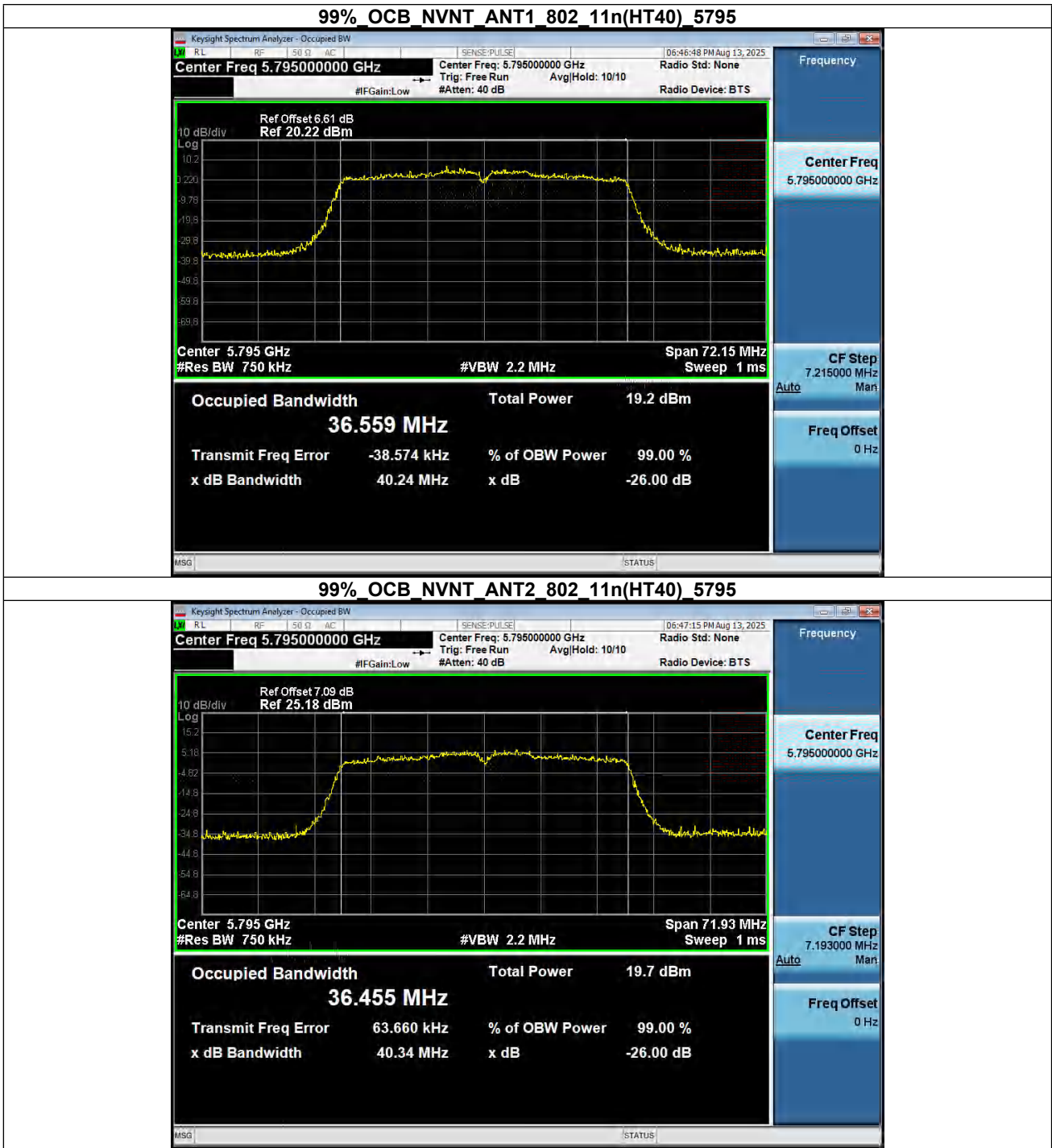
99% OCB NVNT ANT1_802_11ax(HE20)_5825



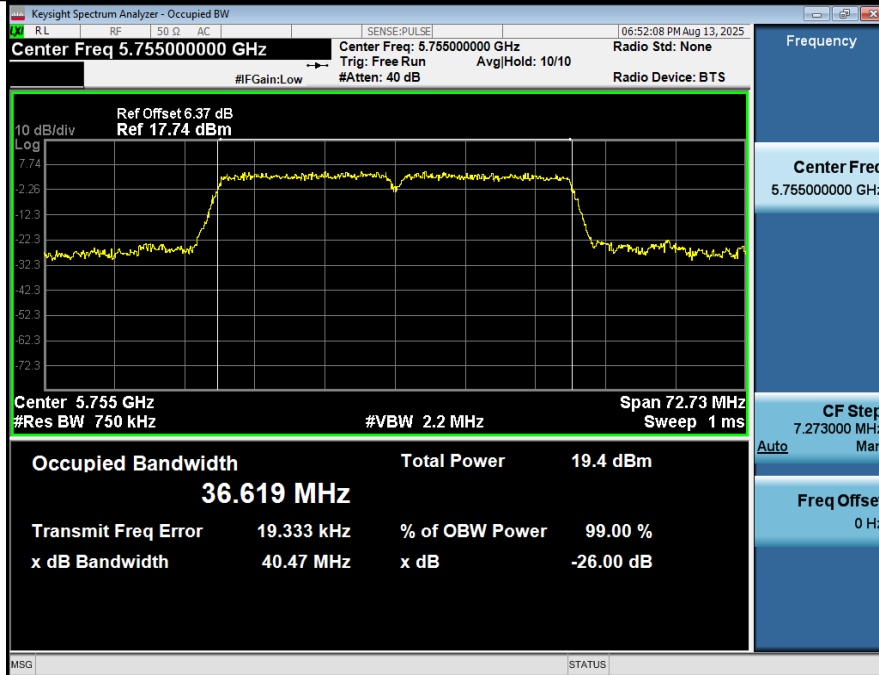
99% OCB NVNT ANT2_802_11ax(HE20)_5825



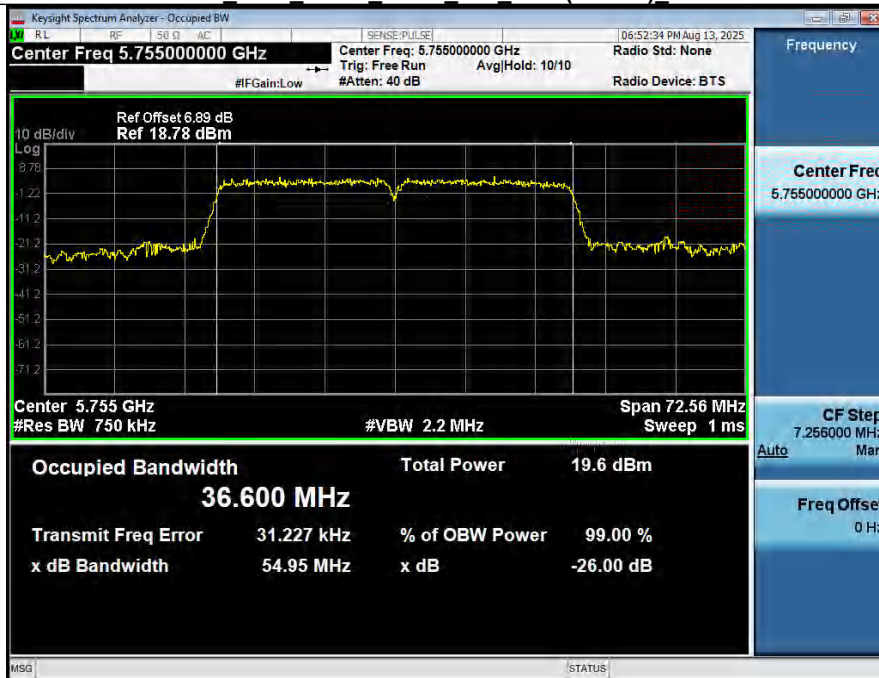


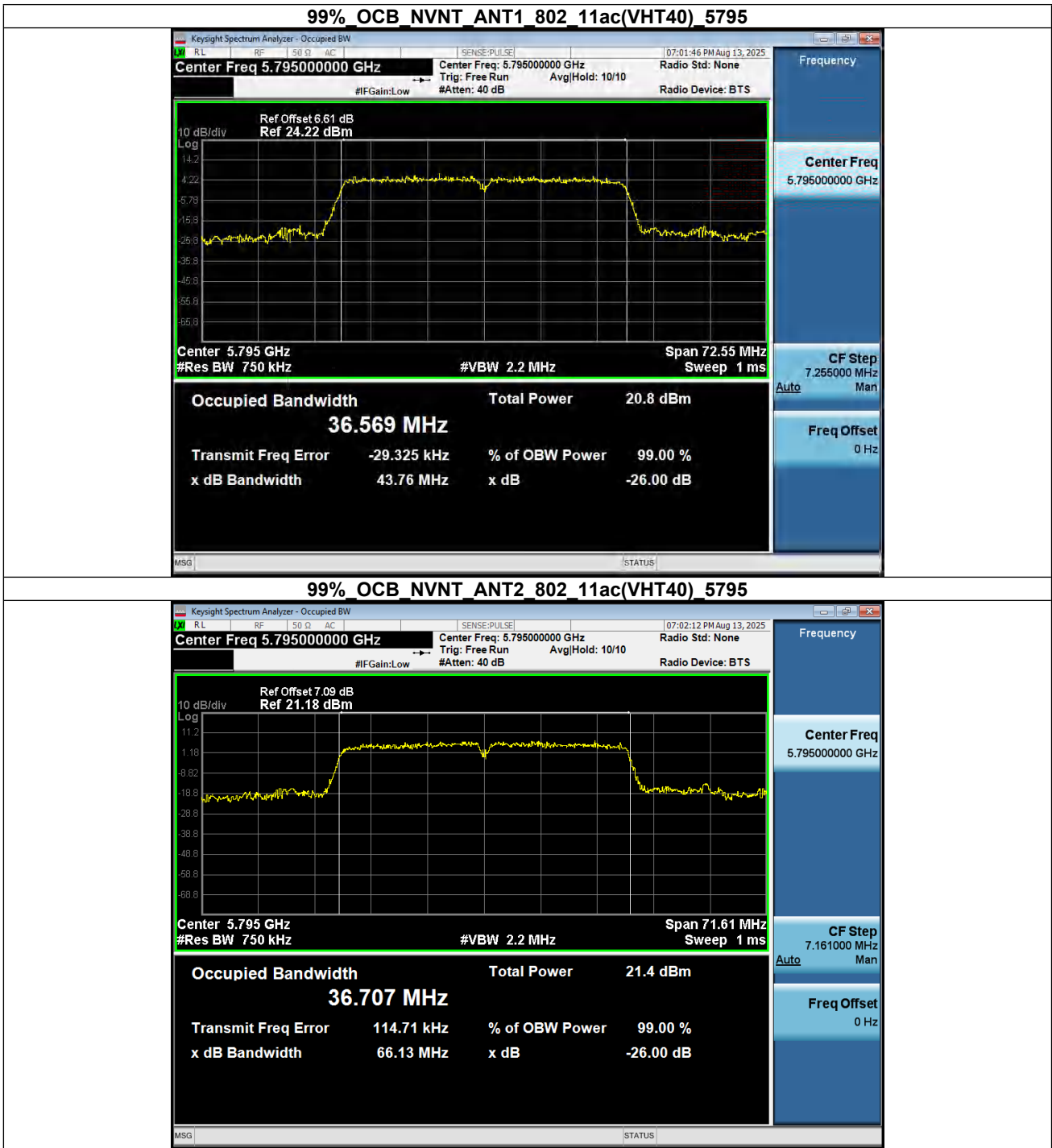


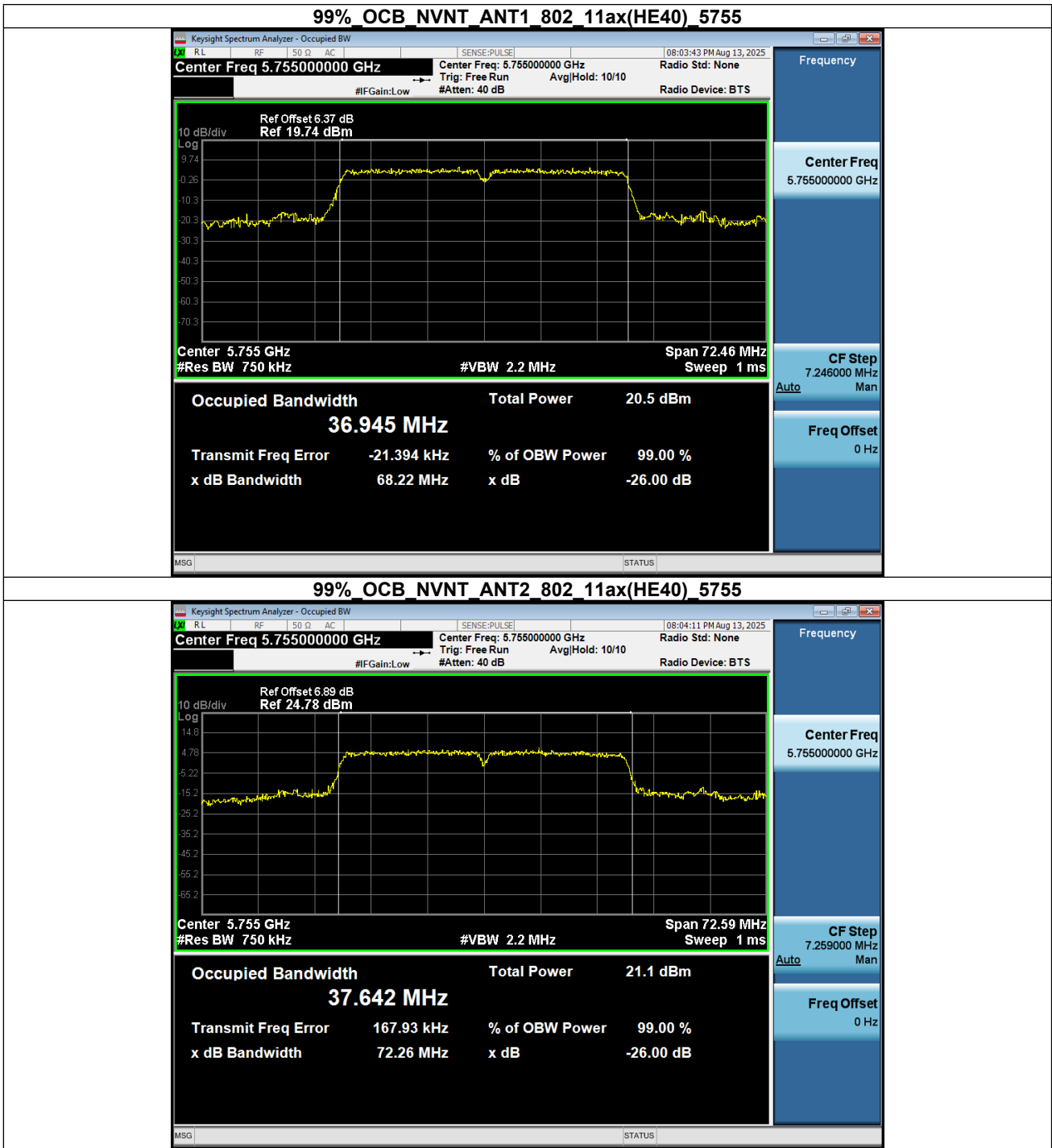
99% OCB NVNT ANT1 802_11ac(VHT40) 5755

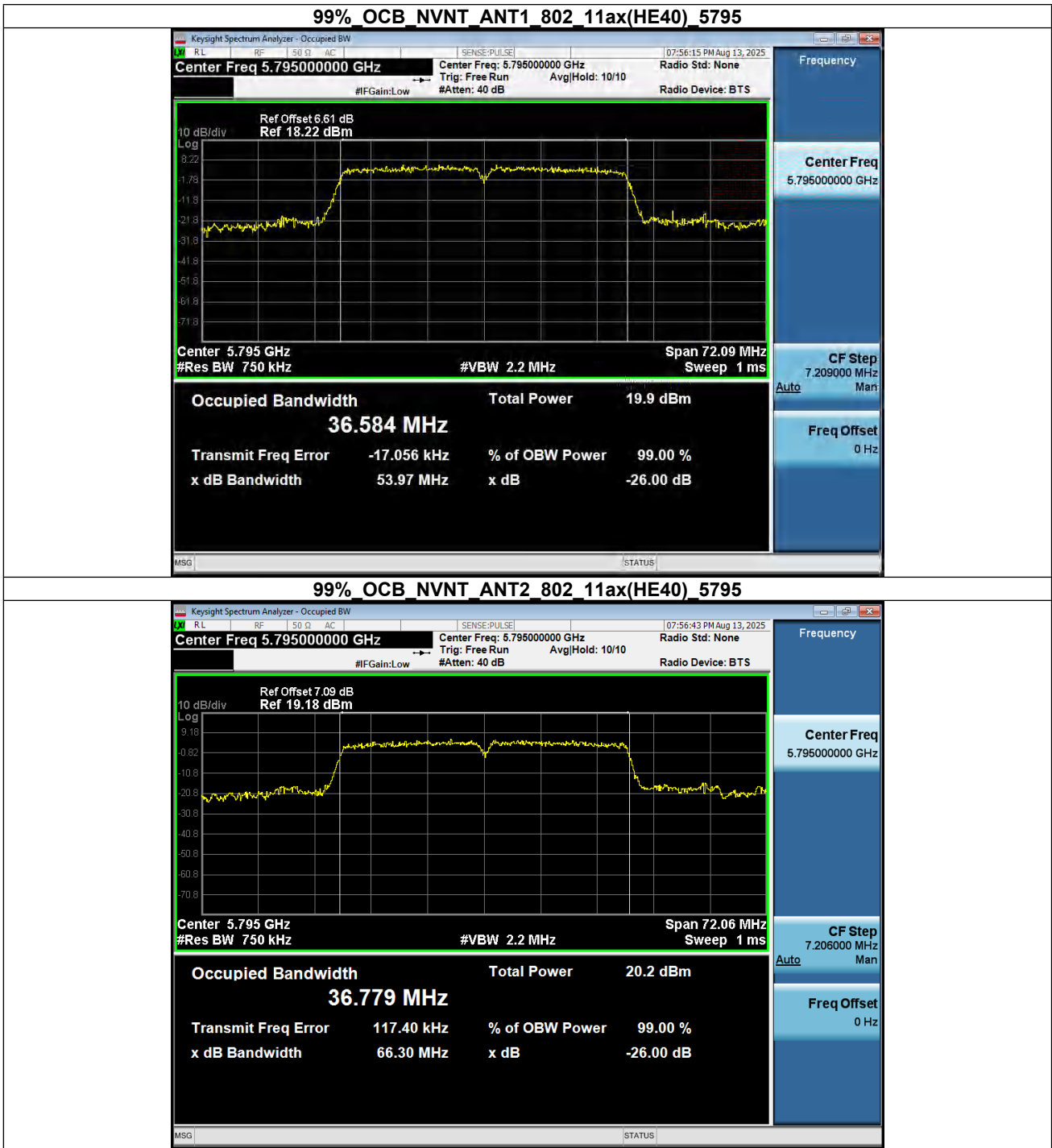


99% OCB NVNT ANT2 802_11ac(VHT40) 5755

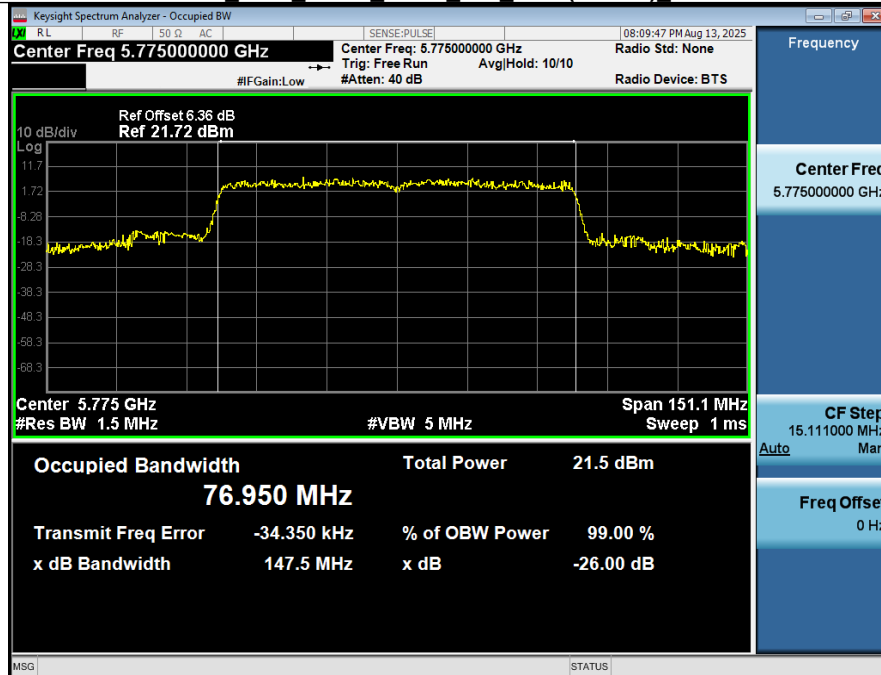






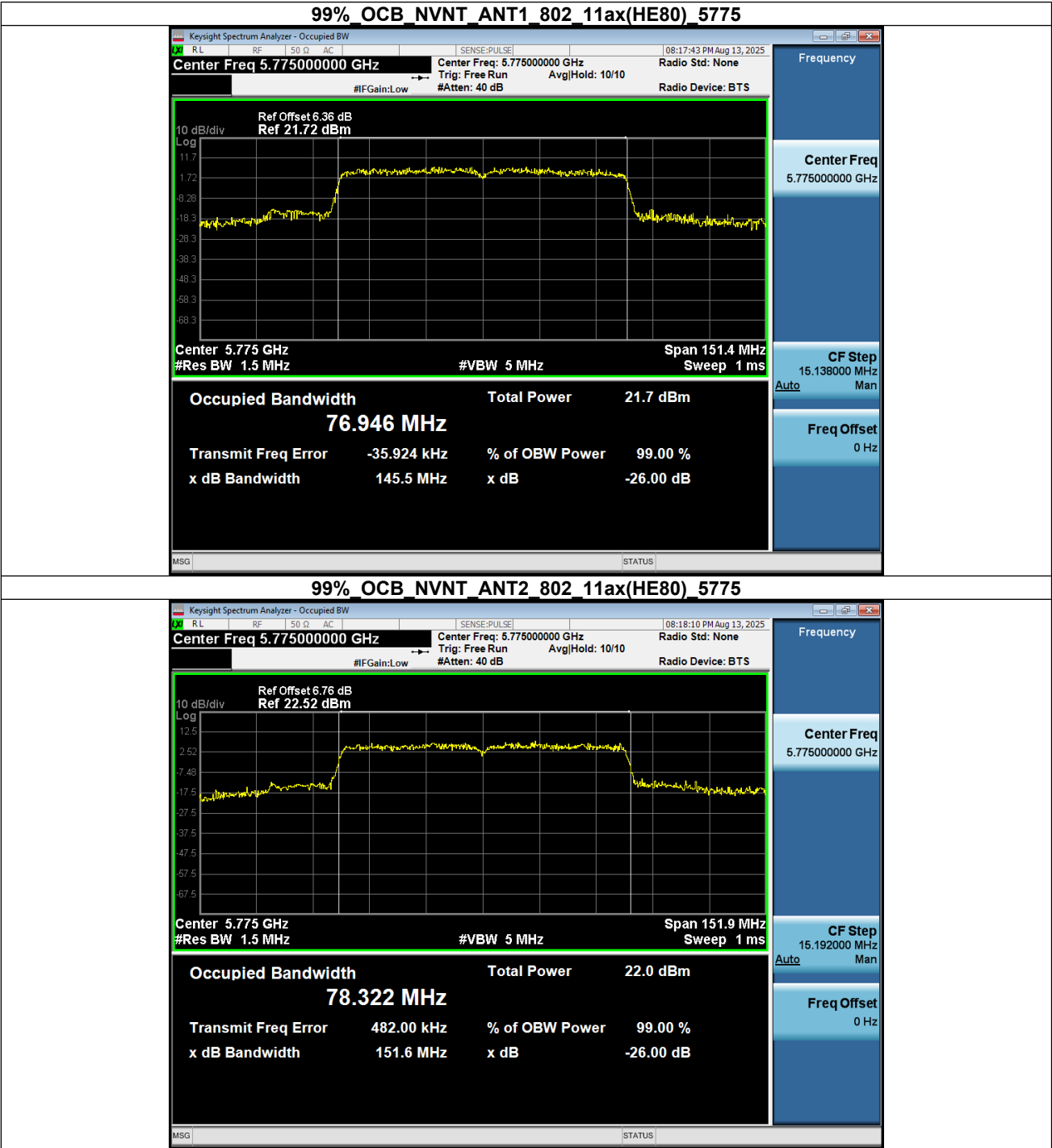


99% OCB NVNT ANT1 802_11ac(VHT80)_5775



99% OCB NVNT ANT2 802_11ac(VHT80)_5775





Appendix B.3: Test Results of Maximum output power

Test Result, SISO mode

Condition	Antenna	Modulation	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Result
NVNT	ANT1	802.11a	5745.00	14.16	30	Pass
NVNT	ANT2	802.11a	5745.00	13.79	30	Pass
NVNT	ANT1	802.11a	5785.00	13.98	30	Pass
NVNT	ANT2	802.11a	5785.00	13.66	30	Pass
NVNT	ANT1	802.11a	5825.00	13.77	30	Pass
NVNT	ANT2	802.11a	5825.00	13.76	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	10.95	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	10.78	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	10.90	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	10.87	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	10.56	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	10.88	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	10.25	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	10.29	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	10.34	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	10.27	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	10.04	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	10.32	30	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	10.69	30	Pass
NVNT	ANT2	802.11ax(HE20)	5745.00	10.64	30	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	10.77	30	Pass
NVNT	ANT2	802.11ax(HE20)	5785.00	10.50	30	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	10.31	30	Pass
NVNT	ANT2	802.11ax(HE20)	5825.00	10.66	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	10.56	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	10.87	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	11.04	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	11.40	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	10.62	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	10.92	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	10.80	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	11.35	30	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	10.51	30	Pass
NVNT	ANT2	802.11ax(HE40)	5755.00	10.88	30	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	9.73	30	Pass
NVNT	ANT2	802.11ax(HE40)	5795.00	10.19	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	10.18	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	10.45	30	Pass
NVNT	ANT1	802.11ax(HE80)	5775.00	10.15	30	Pass
NVNT	ANT2	802.11ax(HE80)	5775.00	10.49	30	Pass