

Table of Contents

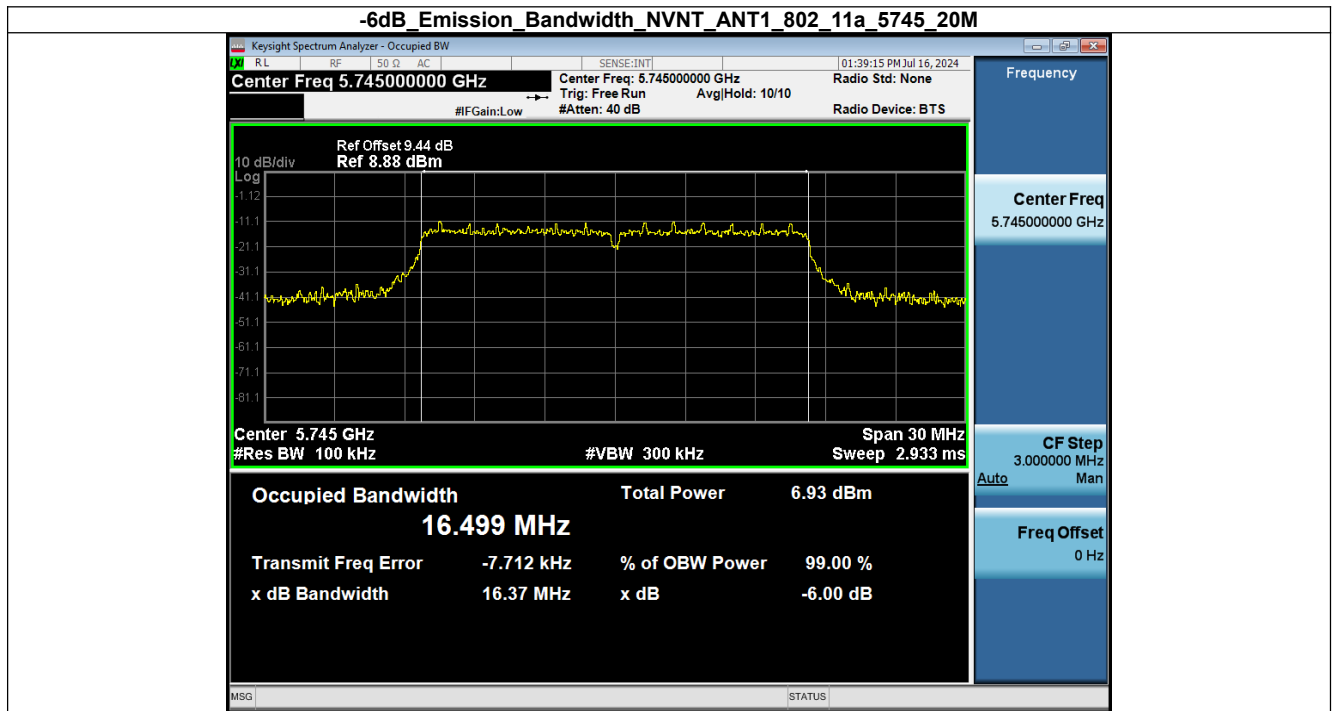
1. -6dB Emission Bandwidth	2
2. -26dB and 99% Emission Bandwidth	13
3. Duty Cycle	34
4. Maximum Conducted Output Power	45
5. Power Spectral Density	56
6. Bandedge	67
7. Spurious Emission	77
8. Frequency Stability	88

FCC ID:2BCAX-HY320MINI

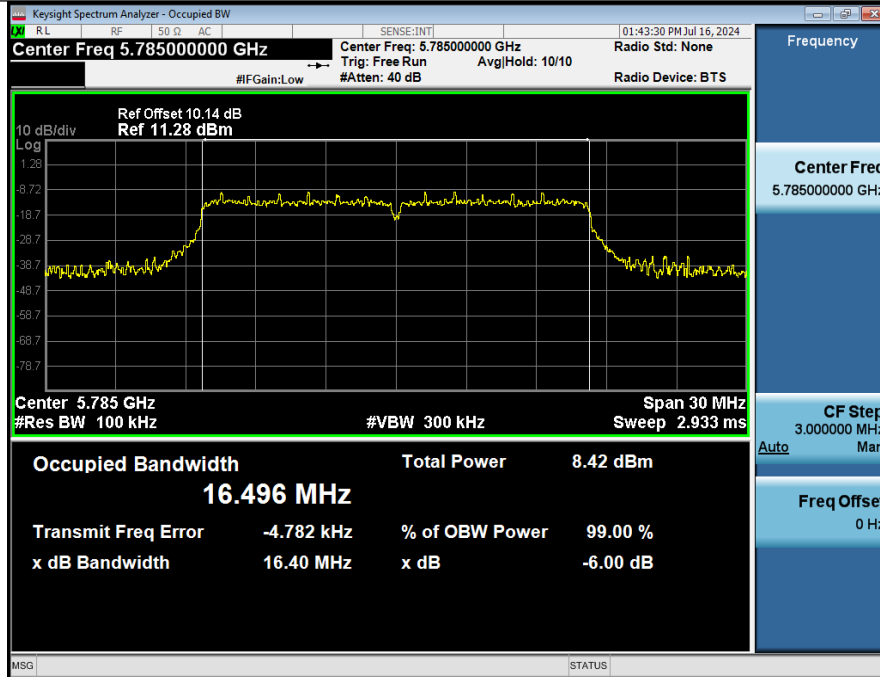
FCC_5.8G_WIFI (Part15.407) Test Data

1. -6dB Emission Bandwidth

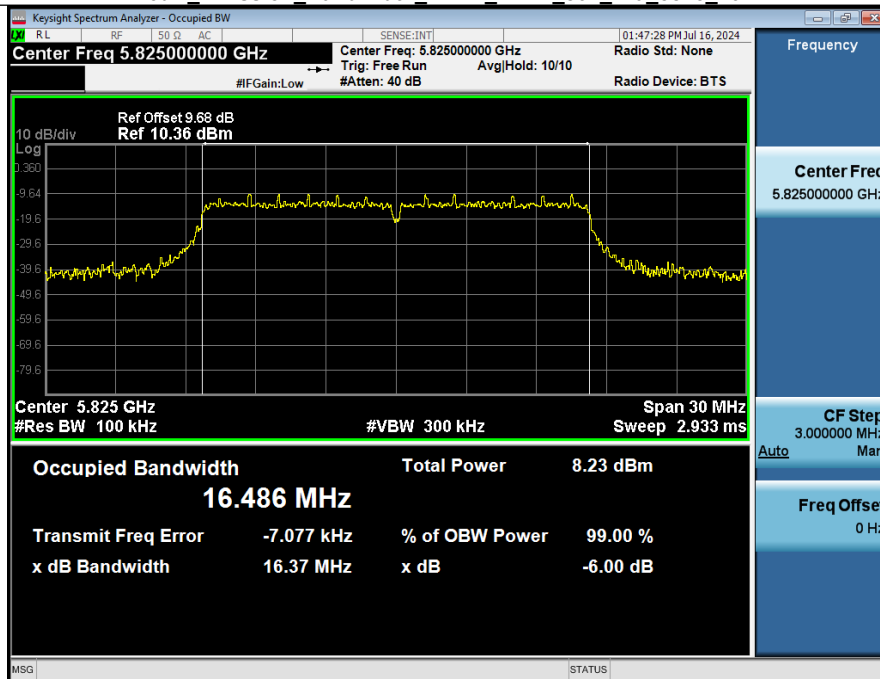
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.373	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.399	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.372	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.450	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	17.597	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	17.445	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	17.458	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	17.293	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	17.411	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	17.557	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	17.472	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	17.442	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	36.189	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	36.274	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	36.284	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	36.403	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	36.041	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	36.390	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	76.456	0.500	Pass
NVNT	ANT1	802.11ax(HE80)	5775.00	76.327	0.500	Pass



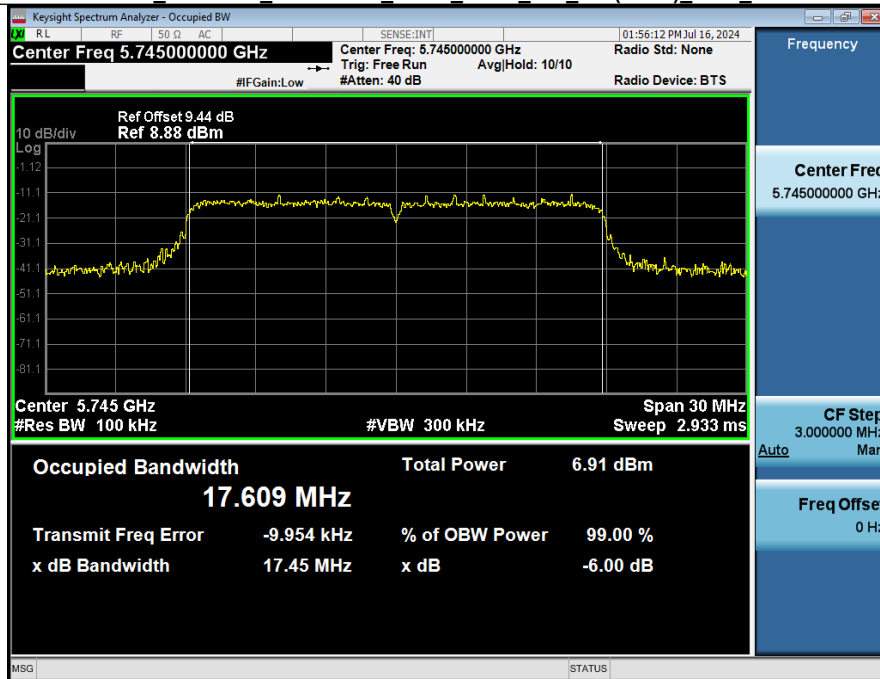
-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5785_20M



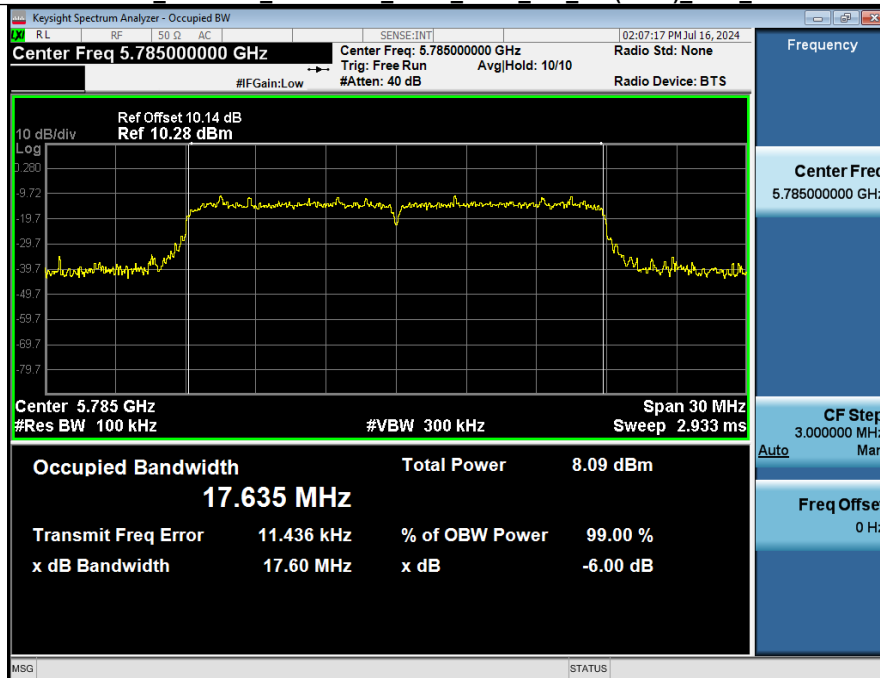
-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5825_20M



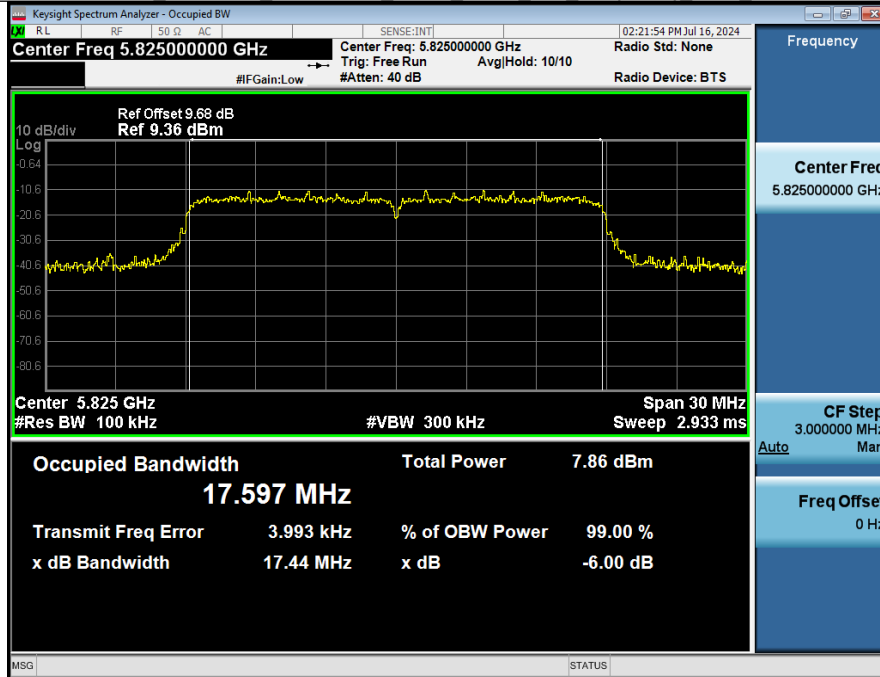
-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT20)_5745_20M



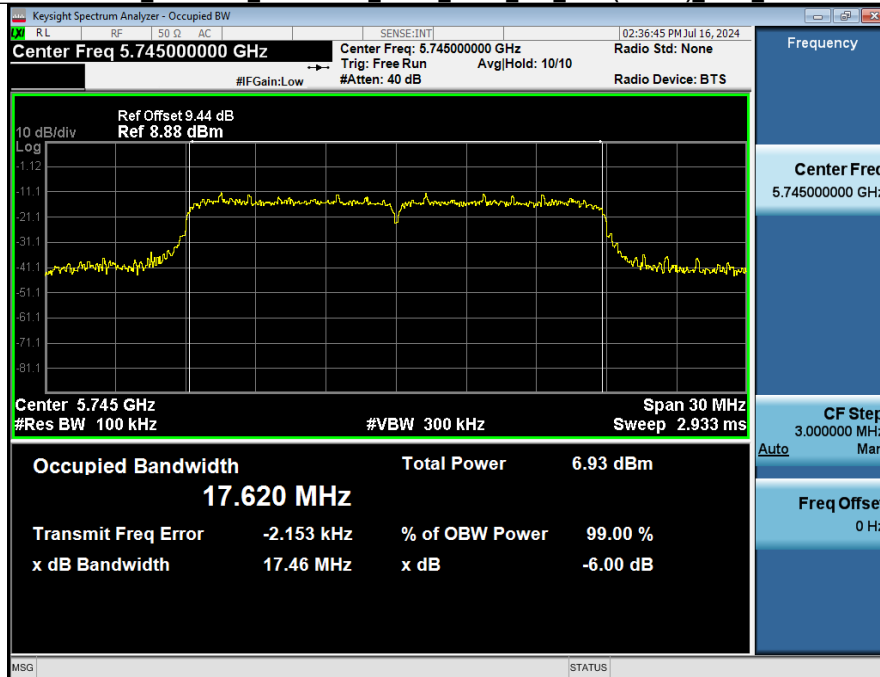
-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT20)_5785_20M



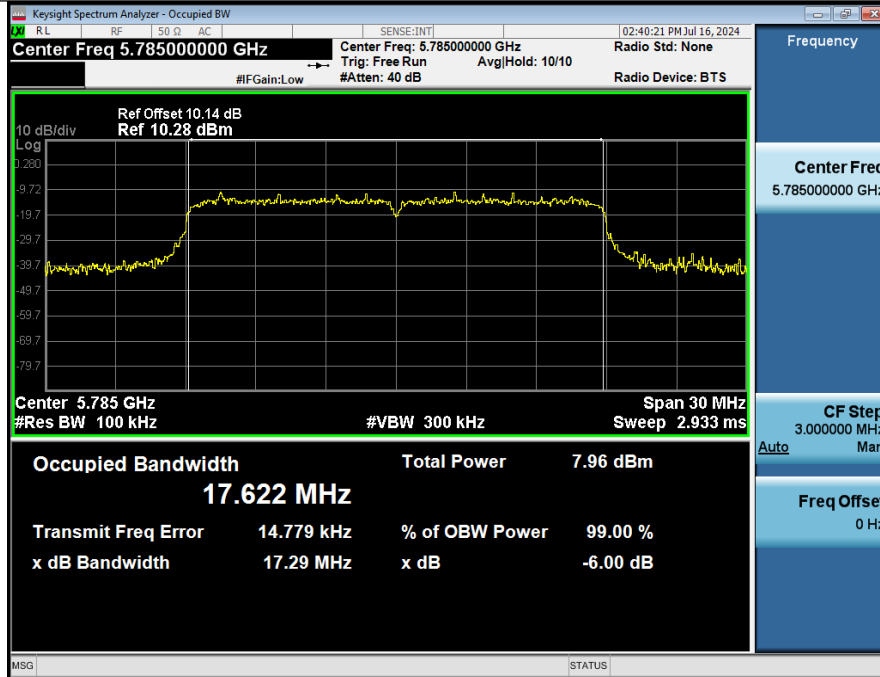
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20)_5825_20M



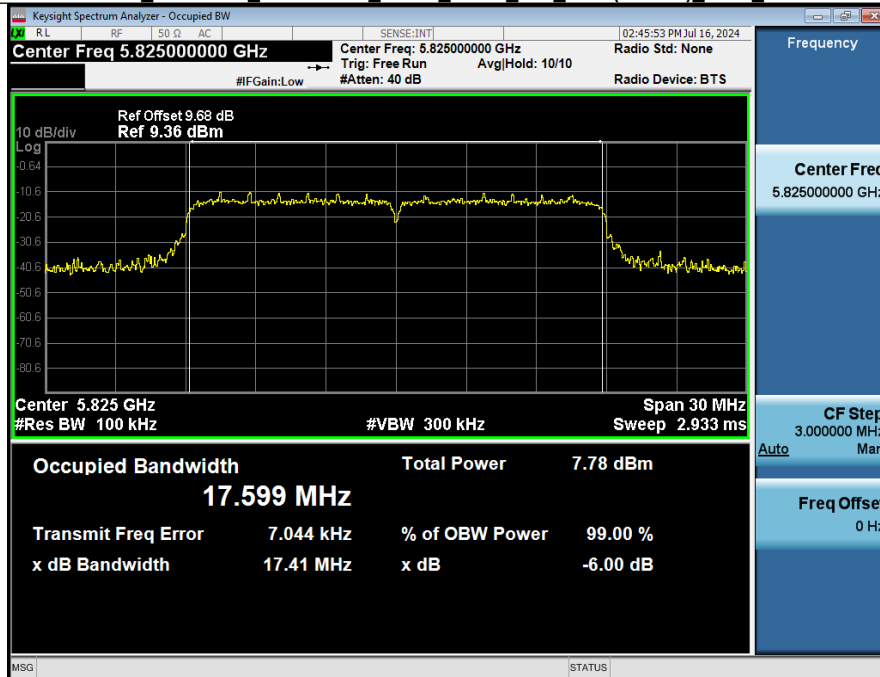
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5745_20M



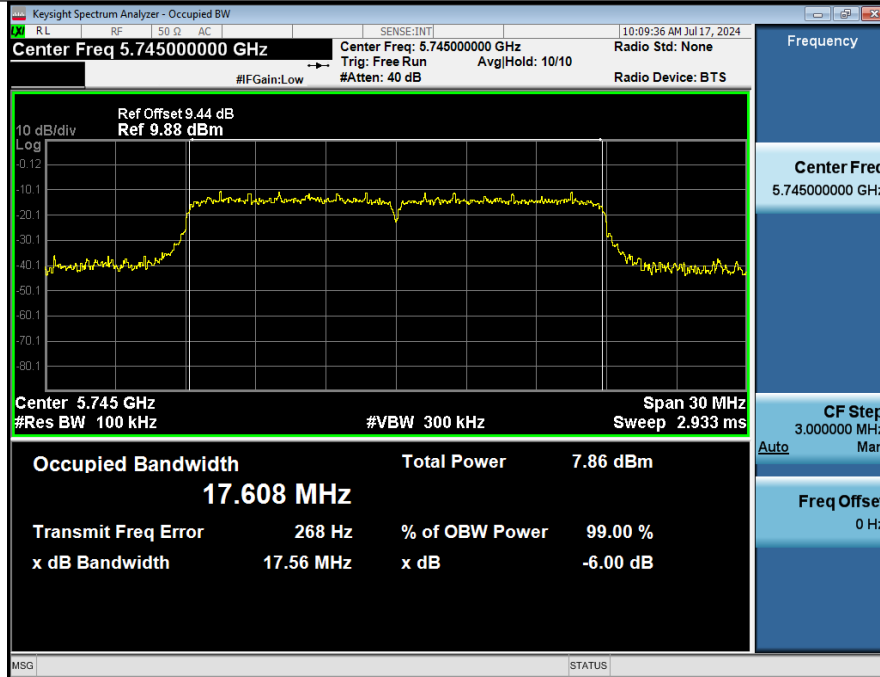
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5785_20M



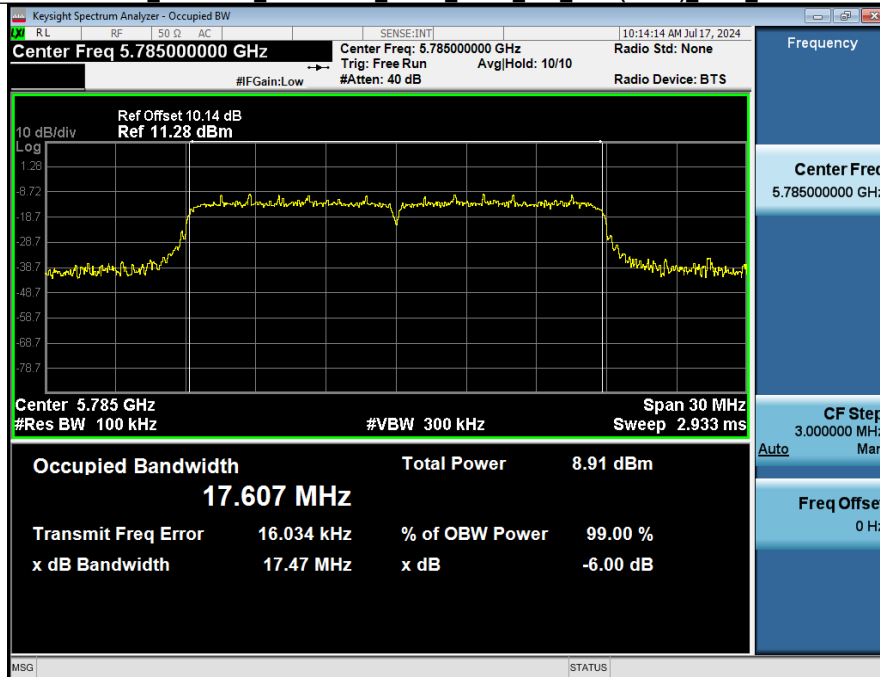
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5825_20M



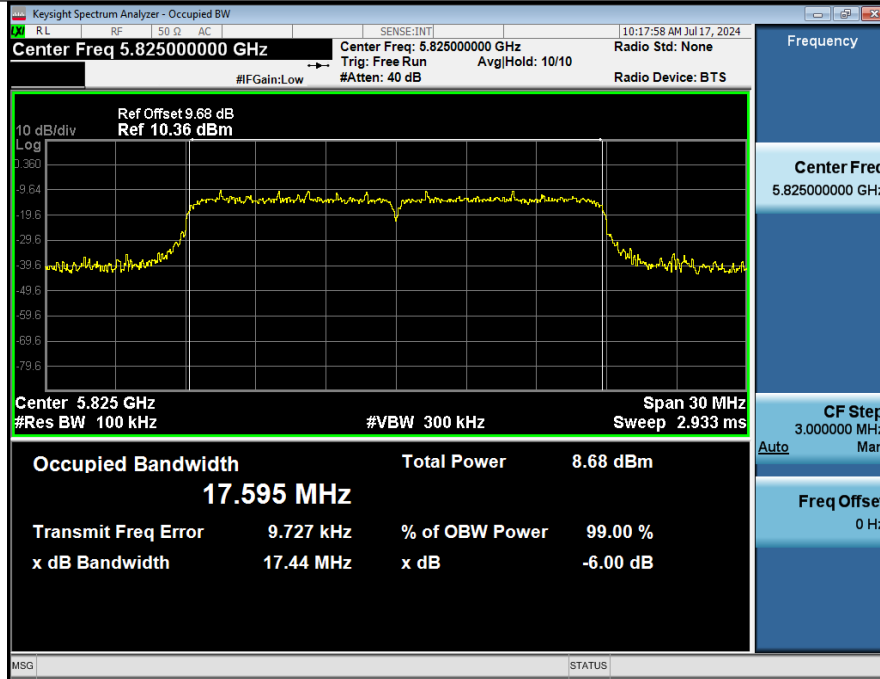
-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE20)_5745_20M



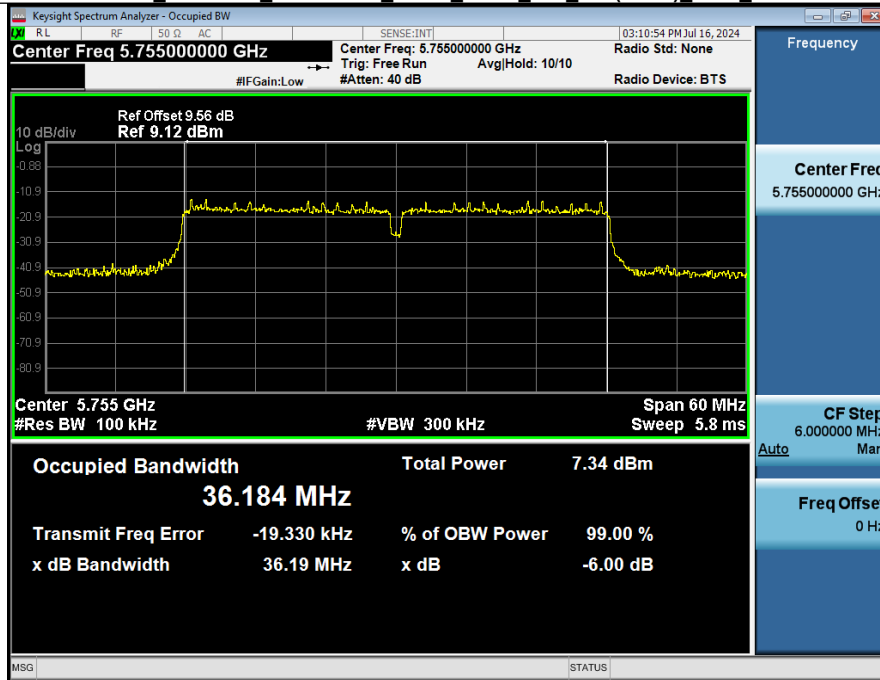
-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE20)_5785_20M



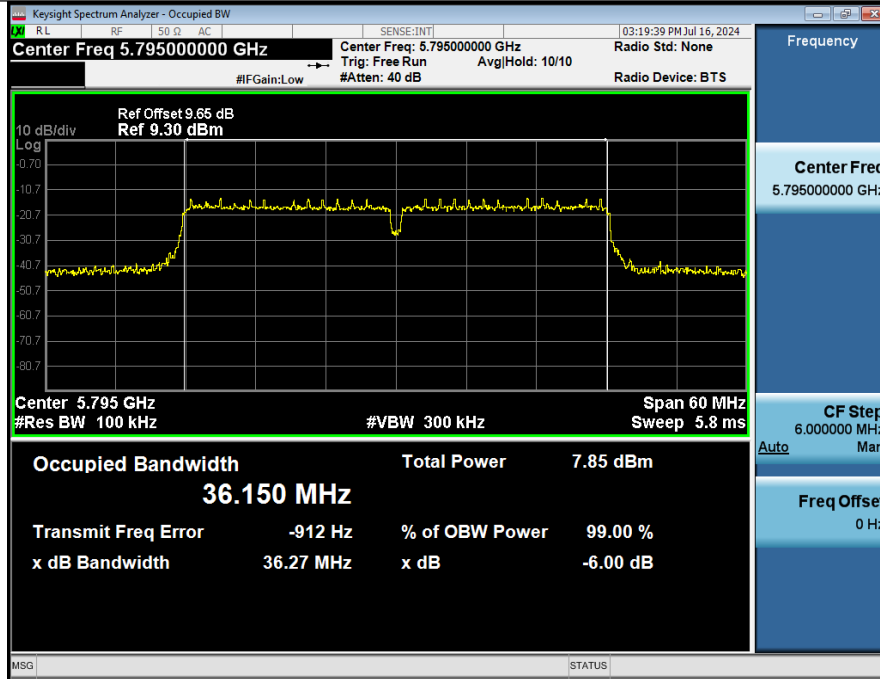
-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE20)_5825_20M



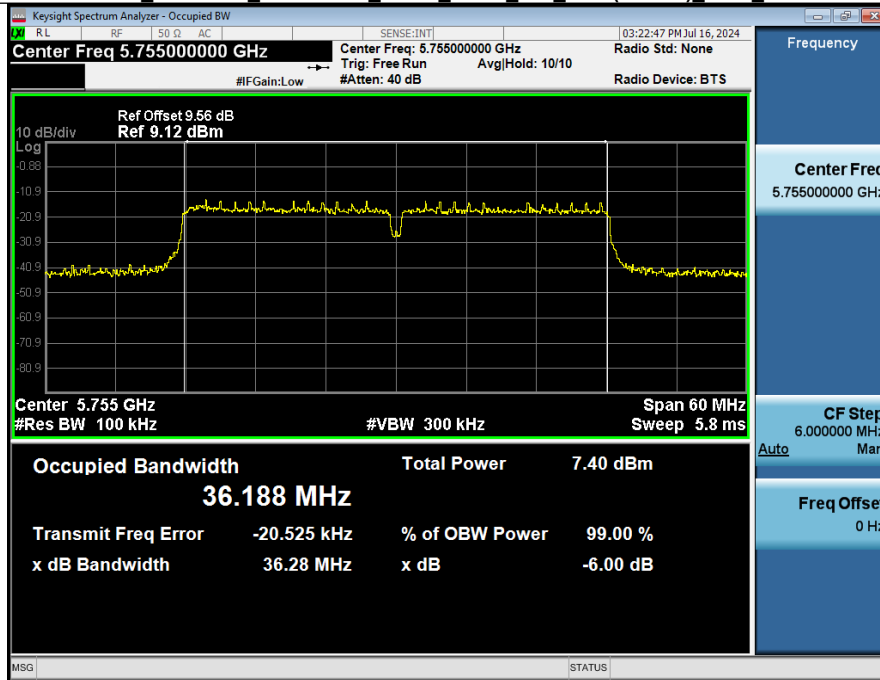
-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT40)_5755_40M



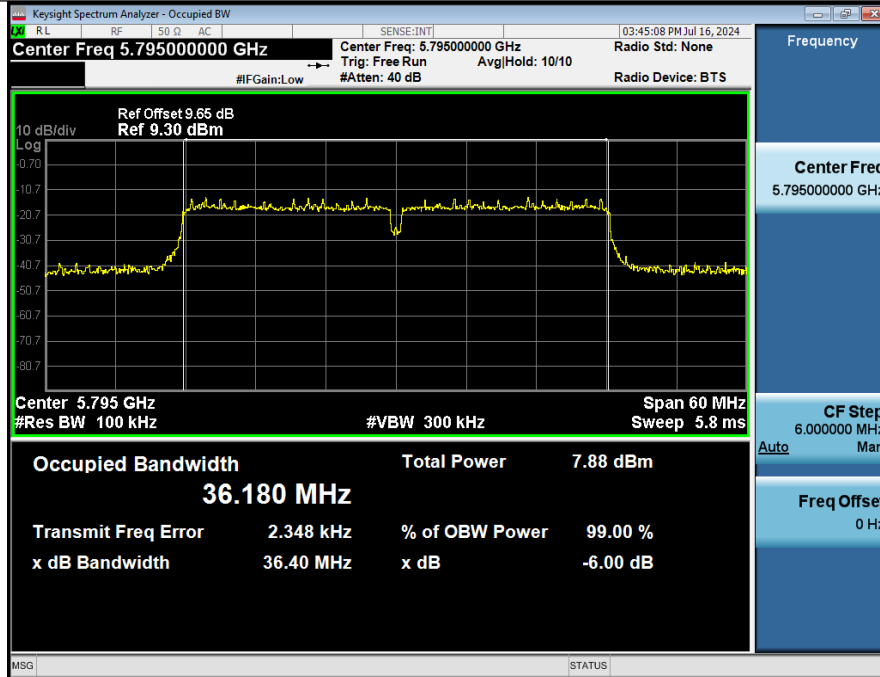
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40)_5795_40M



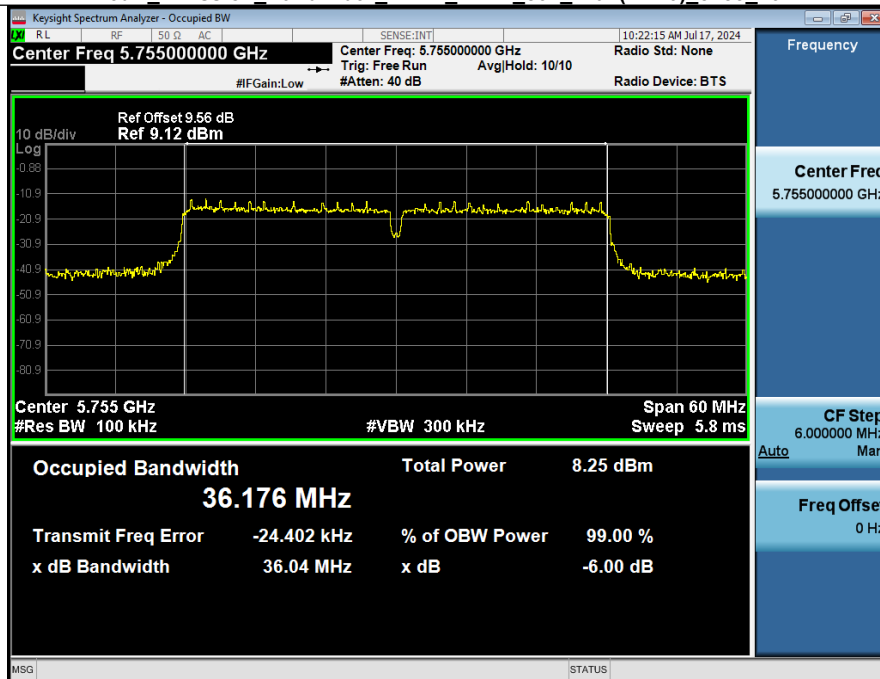
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5755_40M



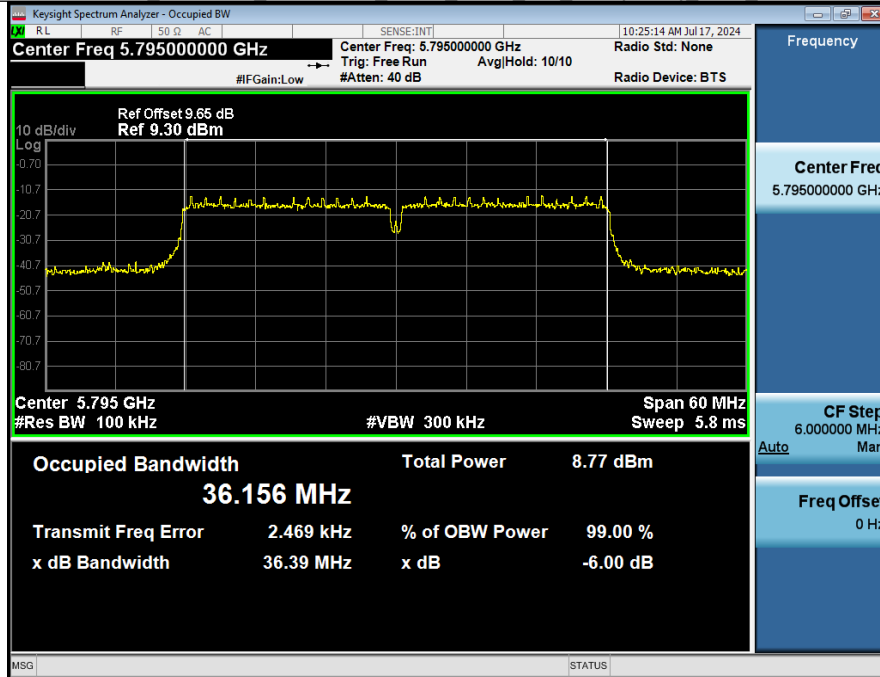
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5795_40M



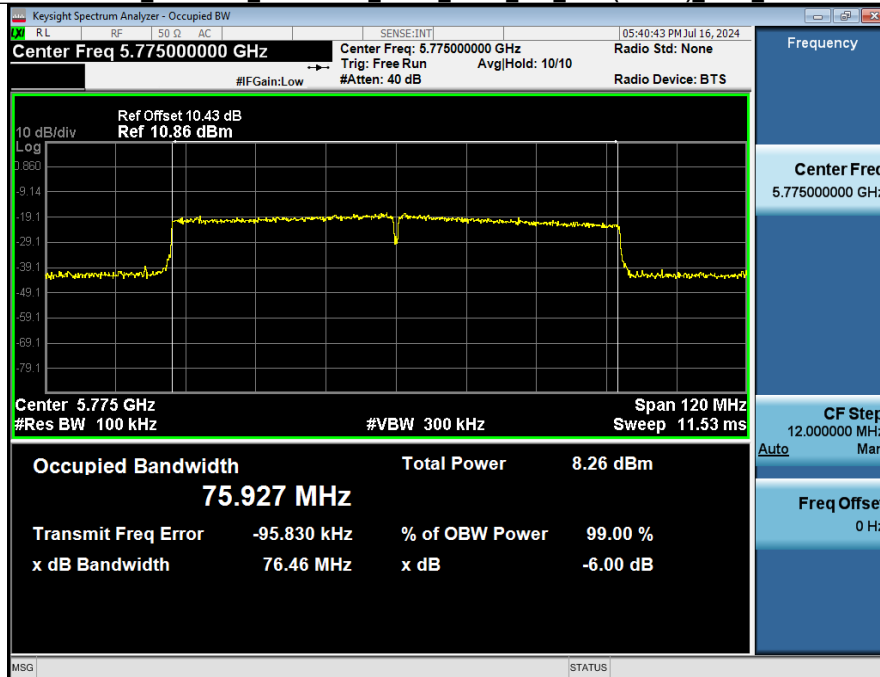
-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE40)_5755_40M



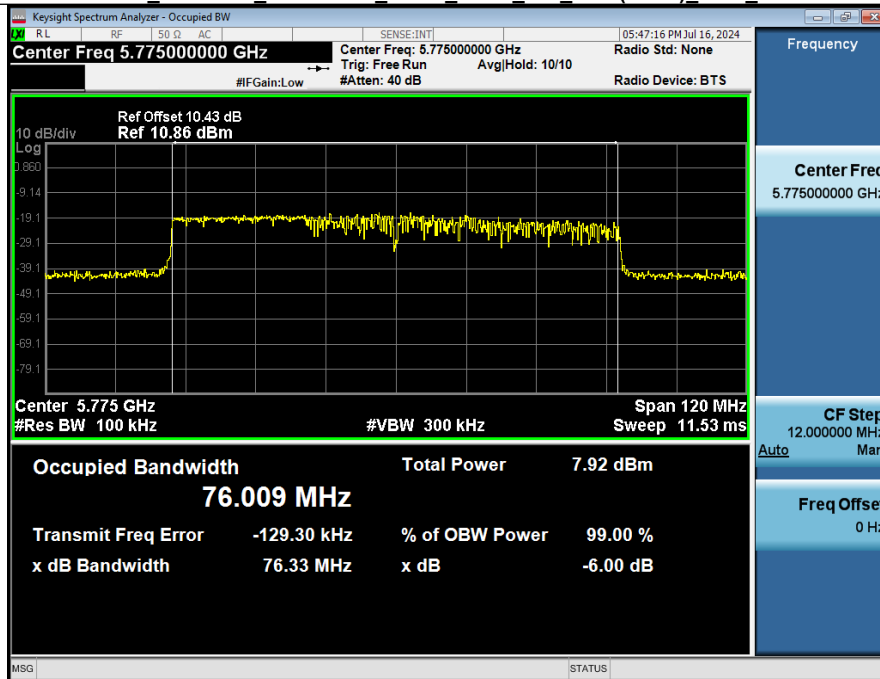
-6dB Emission Bandwidth NVNT_ANT1_802_11ax(HE40)_5795_40M



-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT80)_5775_80M

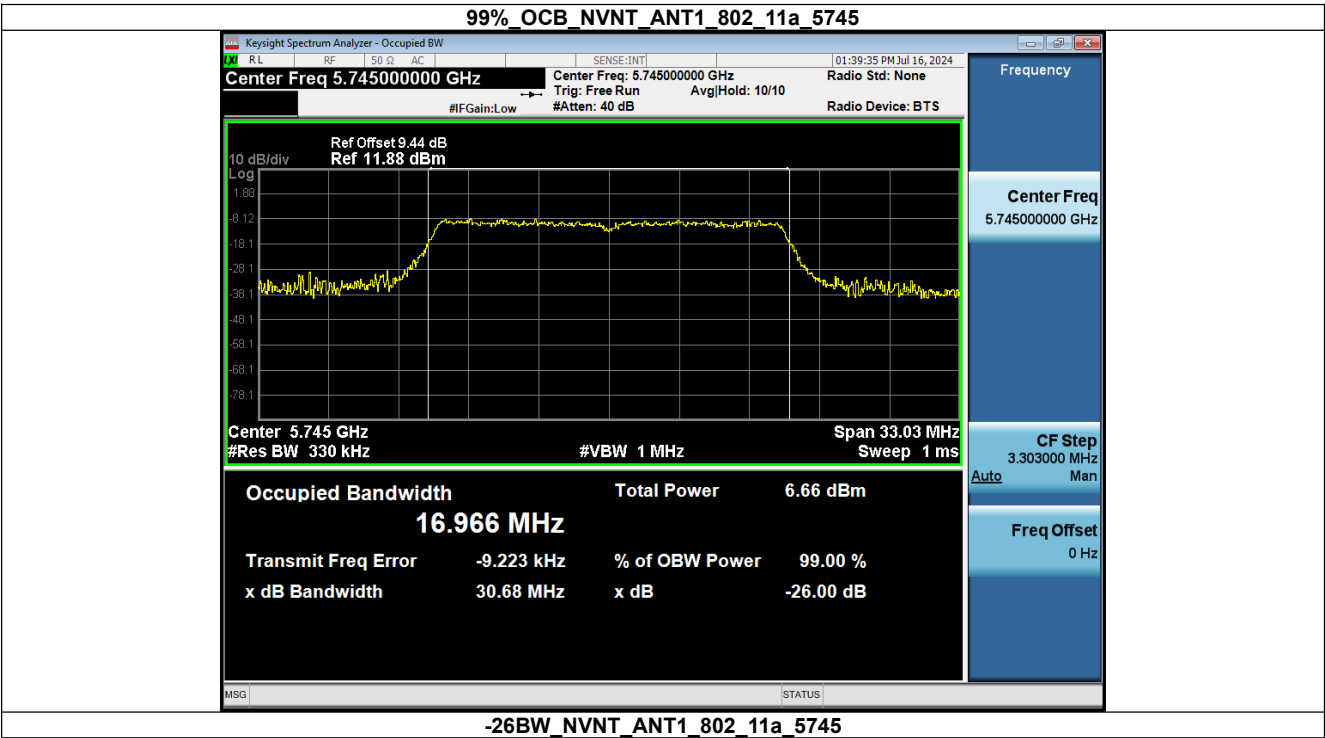


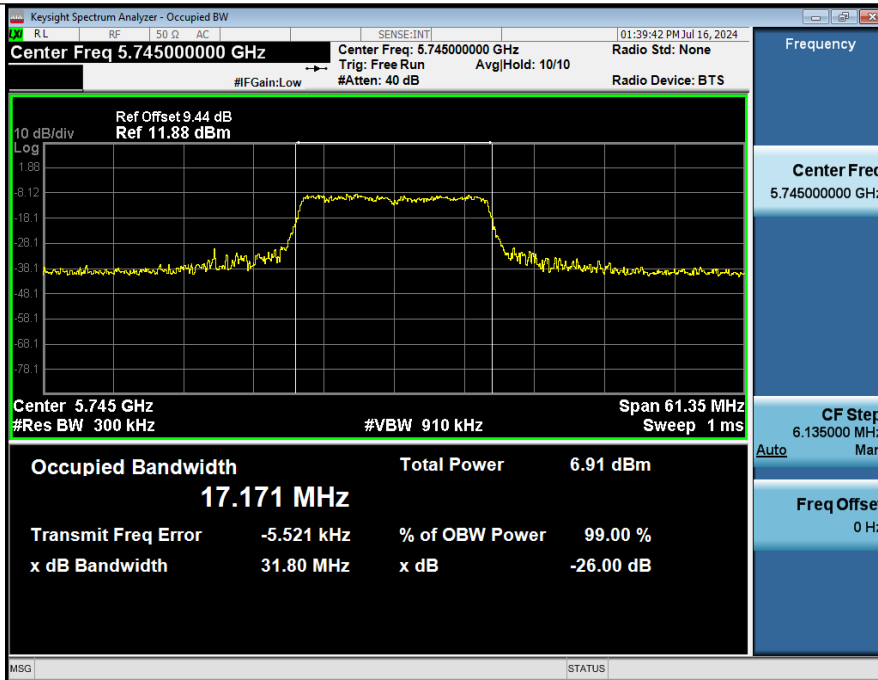
-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE80)_5775_80M



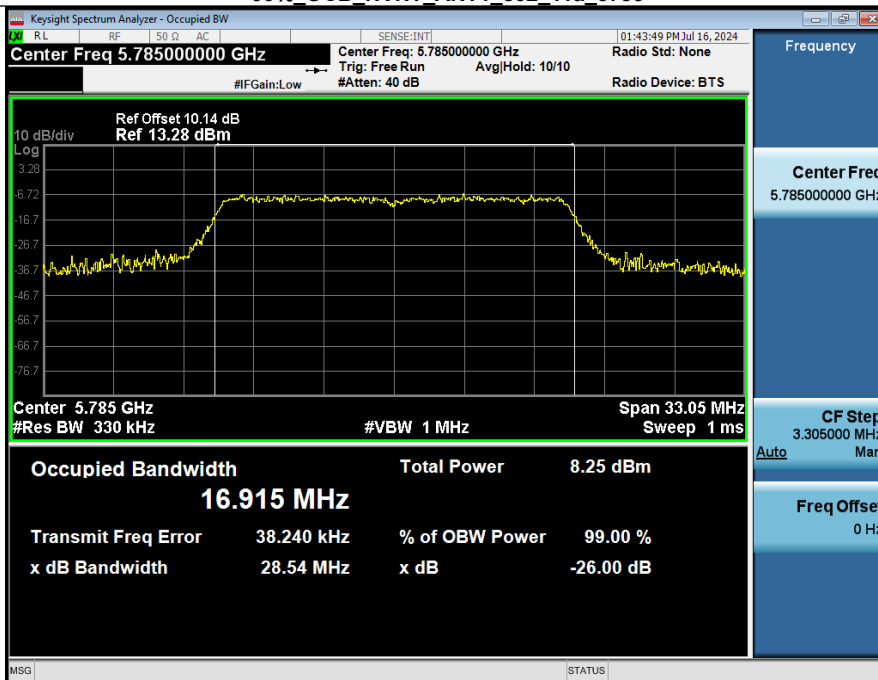
2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	31.80	16.97
NVNT	ANT1	802.11a	5785.00	31.32	16.91
NVNT	ANT1	802.11a	5825.00	28.14	16.94
NVNT	ANT1	802.11n(HT20)	5745.00	35.21	17.91
NVNT	ANT1	802.11n(HT20)	5785.00	37.73	17.88
NVNT	ANT1	802.11n(HT20)	5825.00	31.60	17.91
NVNT	ANT1	802.11ac(VHT20)	5745.00	31.31	18.00
NVNT	ANT1	802.11ac(VHT20)	5785.00	33.91	17.91
NVNT	ANT1	802.11ac(VHT20)	5825.00	33.73	17.93
NVNT	ANT1	802.11ax(HE20)	5745.00	32.05	17.95
NVNT	ANT1	802.11ax(HE20)	5785.00	37.40	17.92
NVNT	ANT1	802.11ax(HE20)	5825.00	37.35	17.88
NVNT	ANT1	802.11n(HT40)	5755.00	60.37	36.78
NVNT	ANT1	802.11n(HT40)	5795.00	54.61	36.64
NVNT	ANT1	802.11ac(VHT40)	5755.00	67.52	36.69
NVNT	ANT1	802.11ac(VHT40)	5795.00	58.05	36.73
NVNT	ANT1	802.11ax(HE40)	5755.00	58.54	36.66
NVNT	ANT1	802.11ax(HE40)	5795.00	54.43	36.58
NVNT	ANT1	802.11ac(VHT80)	5775.00	301.94	76.46
NVNT	ANT1	802.11ax(HE80)	5775.00	247.64	76.56

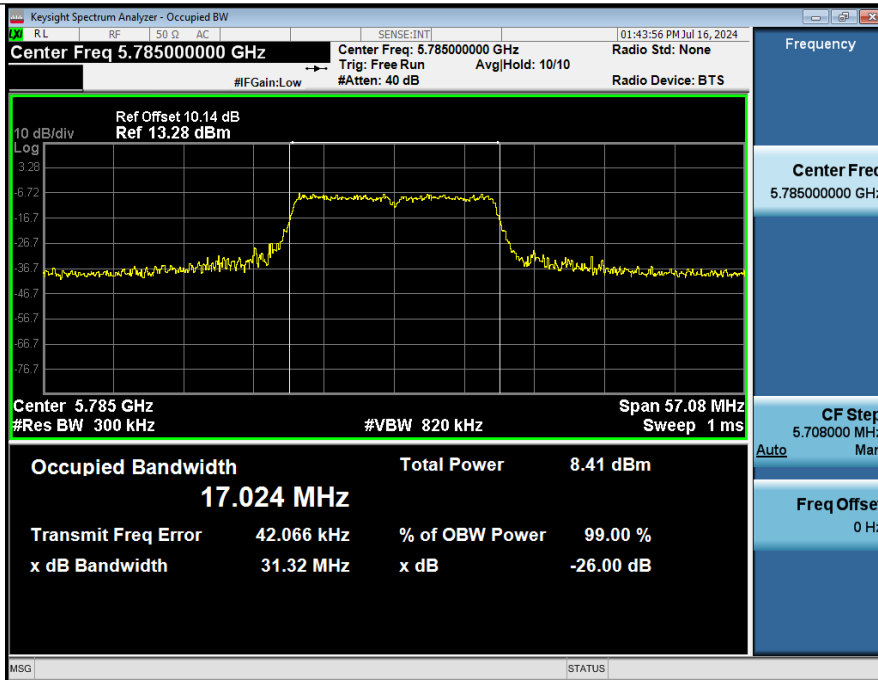




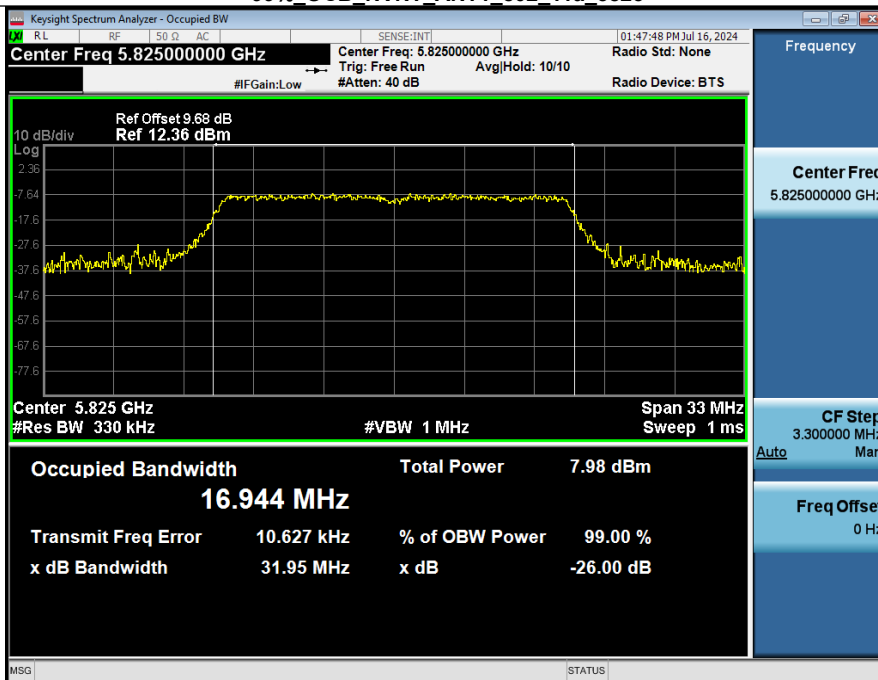
99% OCB NVNT_ANT1_802_11a_5785



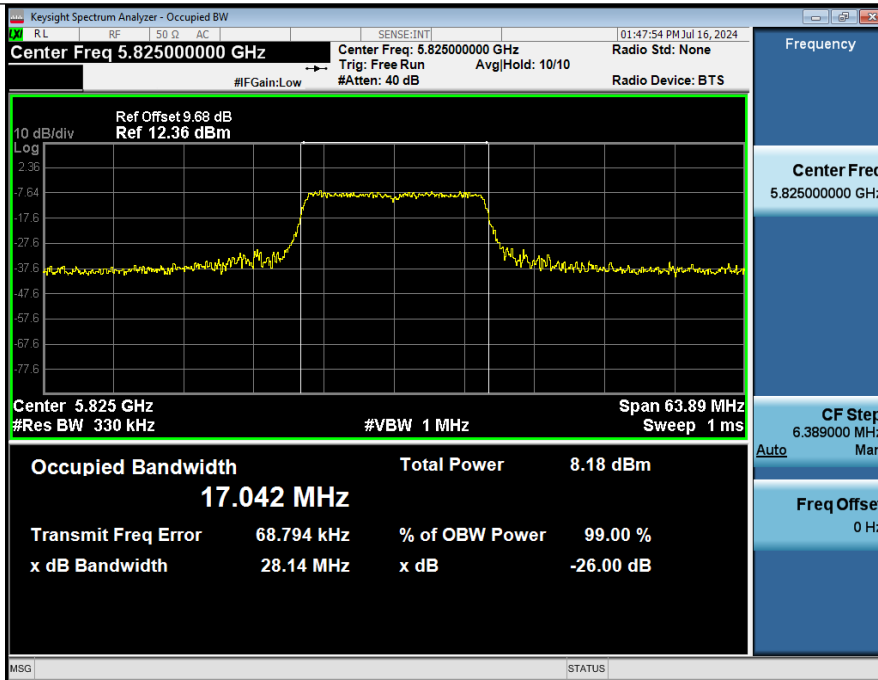
-26BW_NVNT_ANT1_802_11a_5785



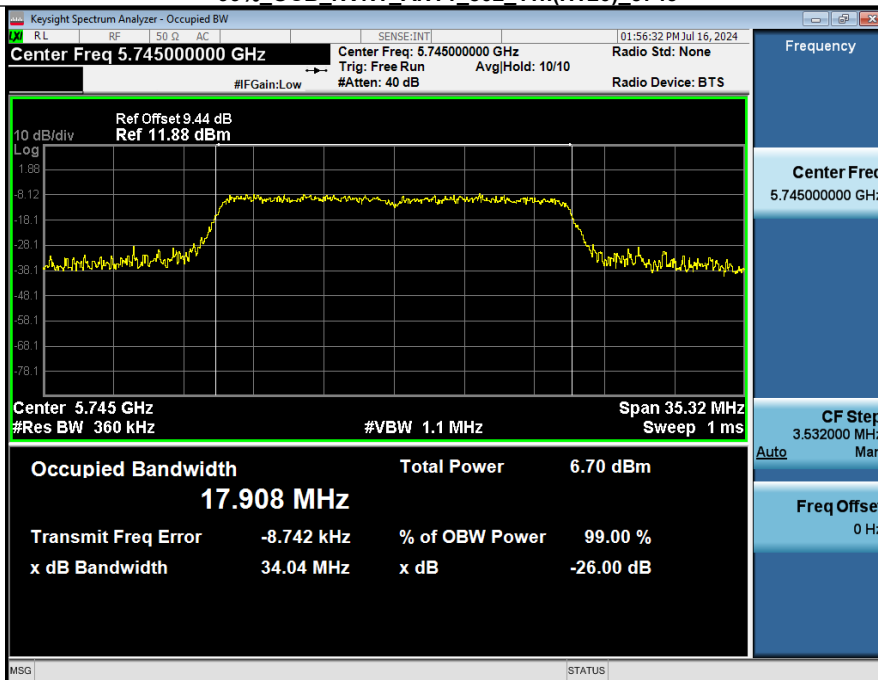
99% OCB NVNT_ANT1_802_11a_5825



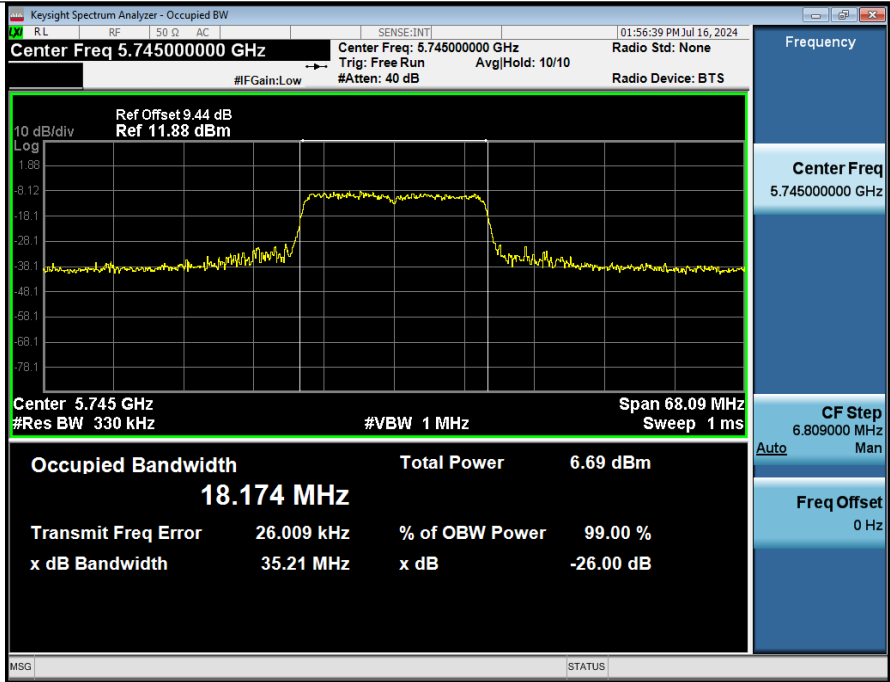
-26BW_NVNT_ANT1_802_11a_5825



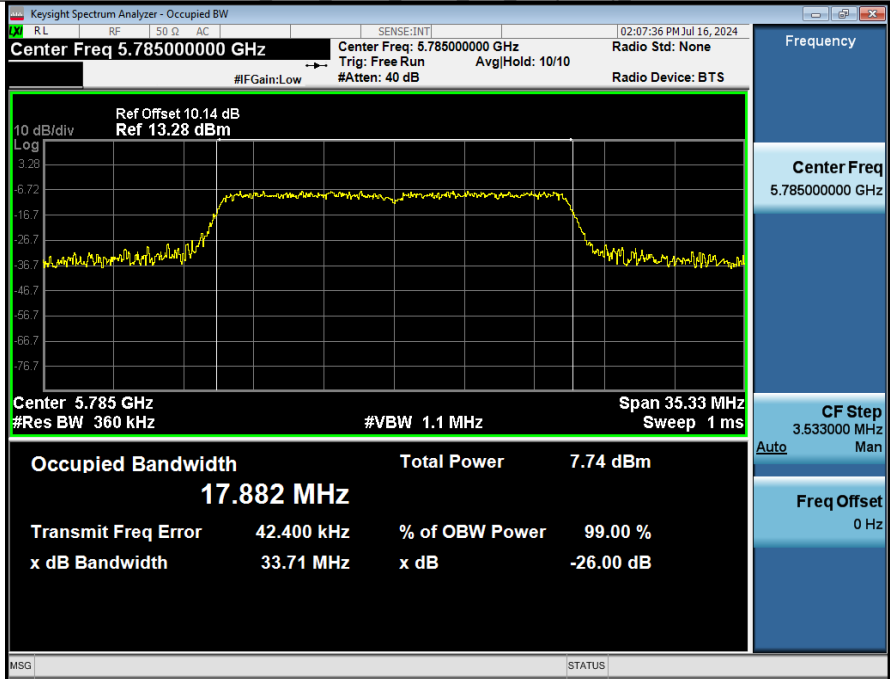
99%_OCB_NVNT_ANT1_802_11n(HT20)_5745



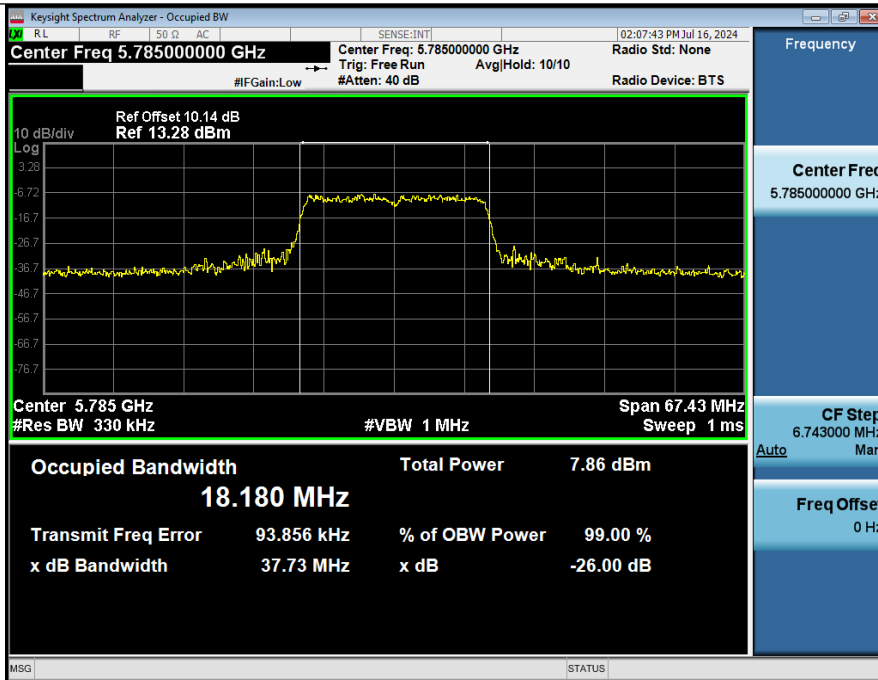
-26BW_NVNT_ANT1_802_11n(HT20)_5745



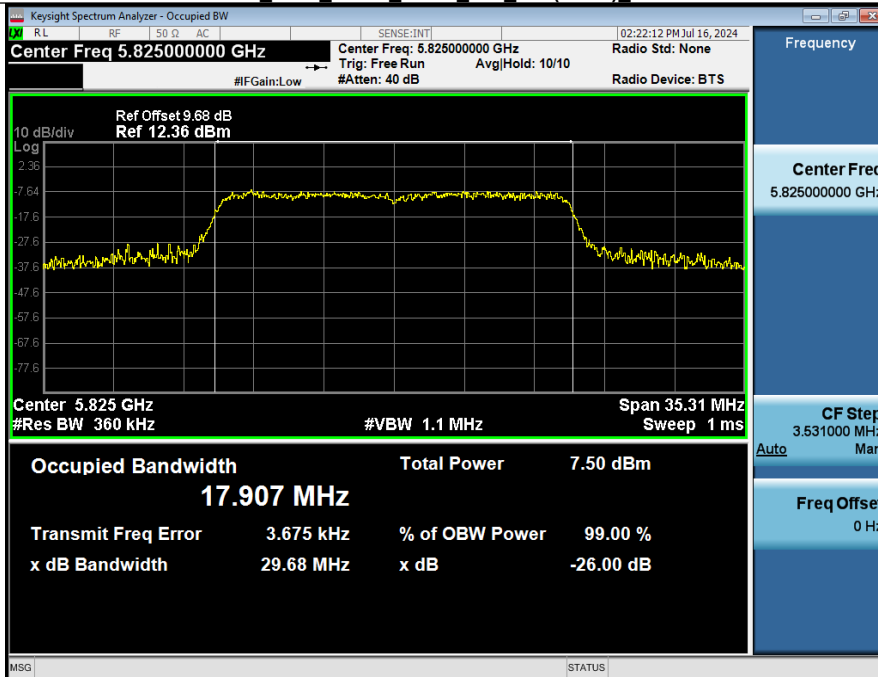
99%_OCB_NVNT_ANT1_802_11n(HT20)_5785



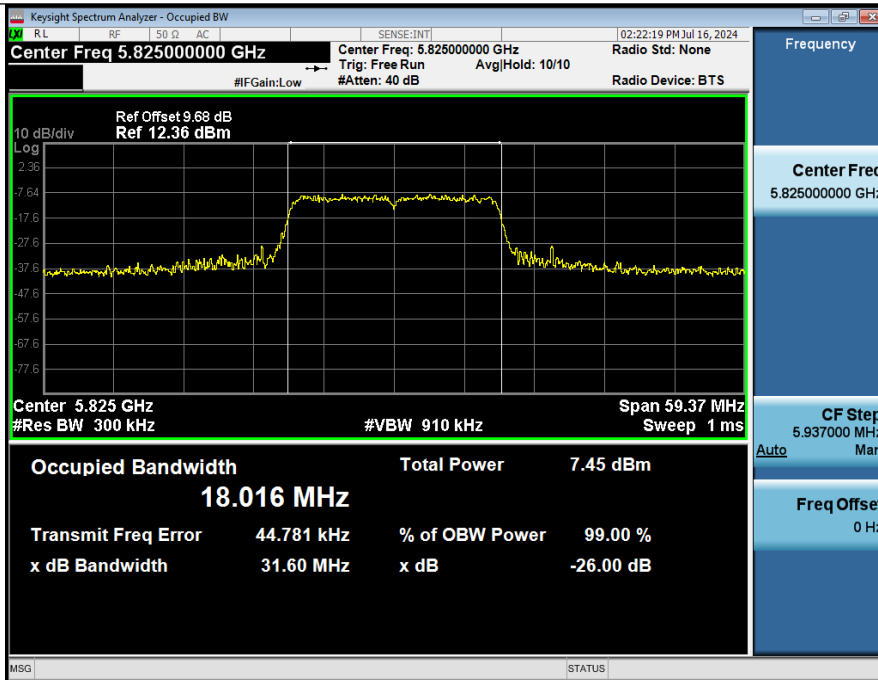
-26BW_NVNT_ANT1_802_11n(HT20)_5785



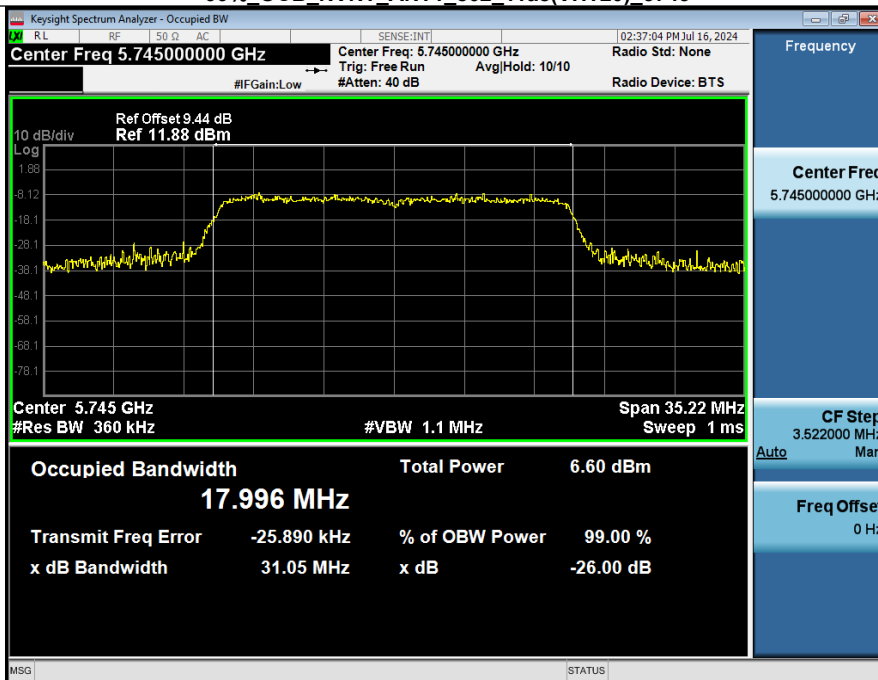
99%_OCB_NVNT_ANT1_802_11n(HT20)_5825



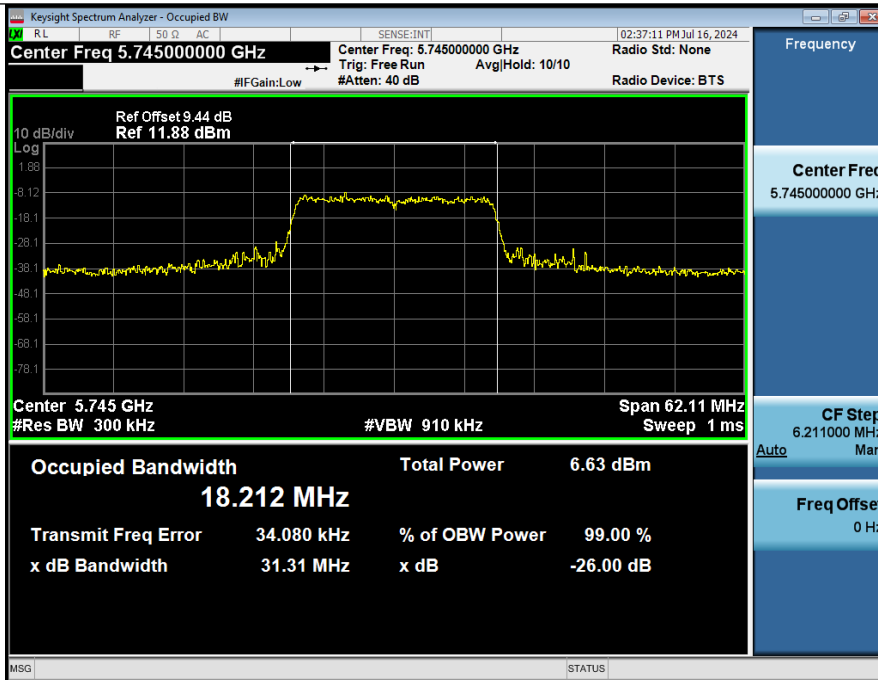
-26BW_NVNT_ANT1_802_11n(HT20)_5825



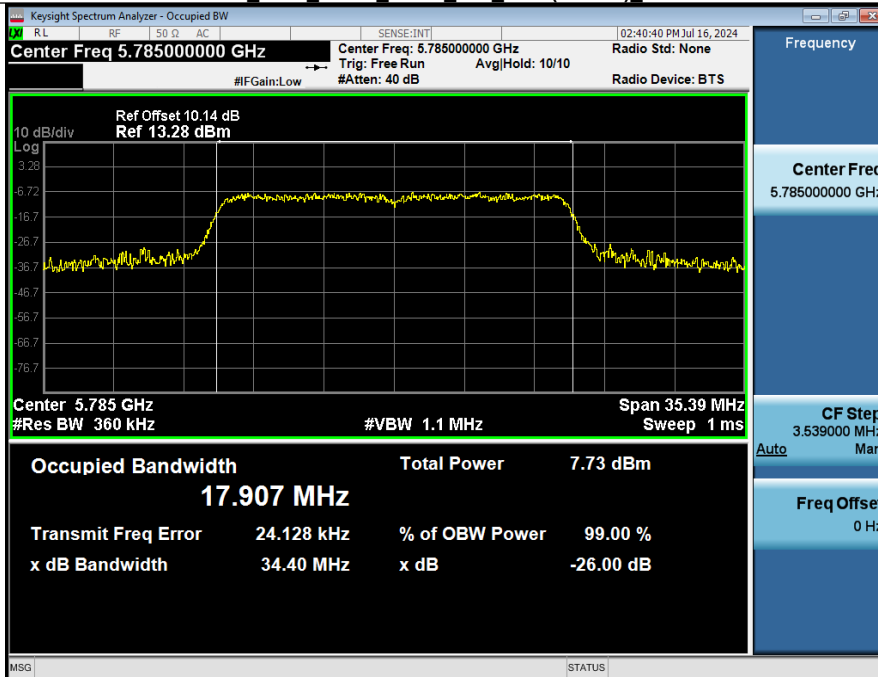
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5745



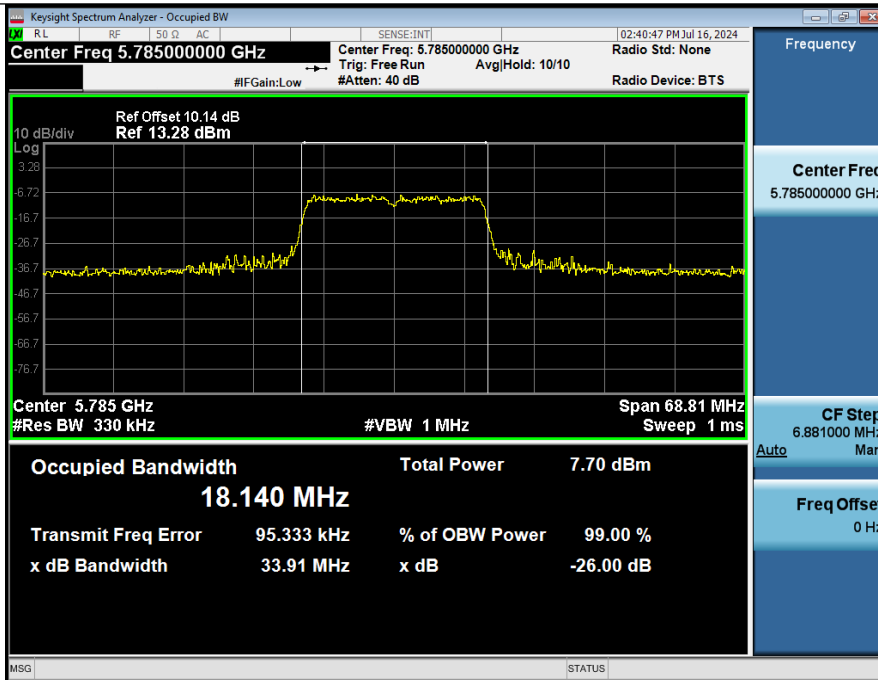
-26BW_NVNT_ANT1_802_11ac(VHT20)_5745



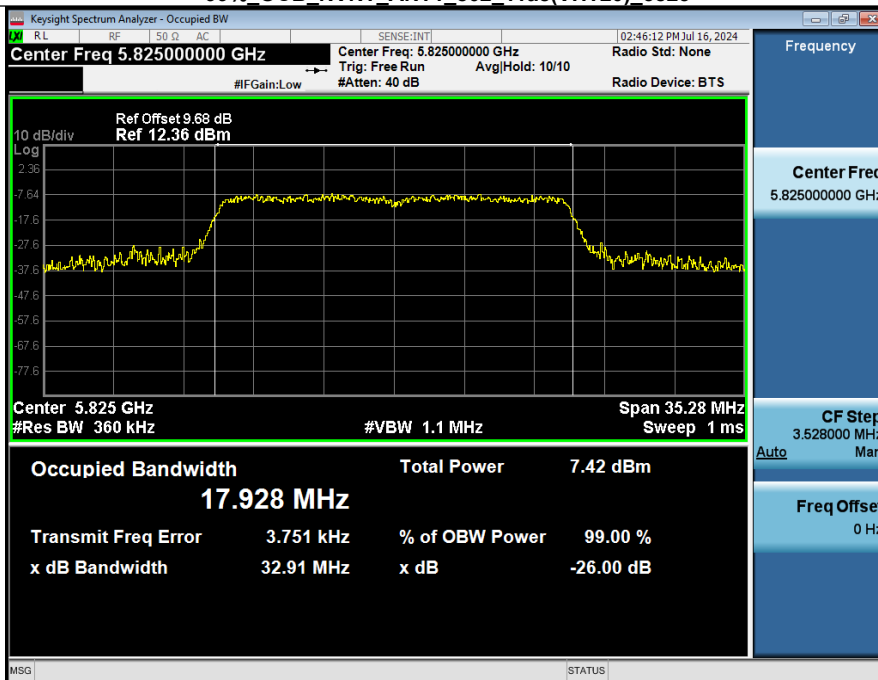
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5785



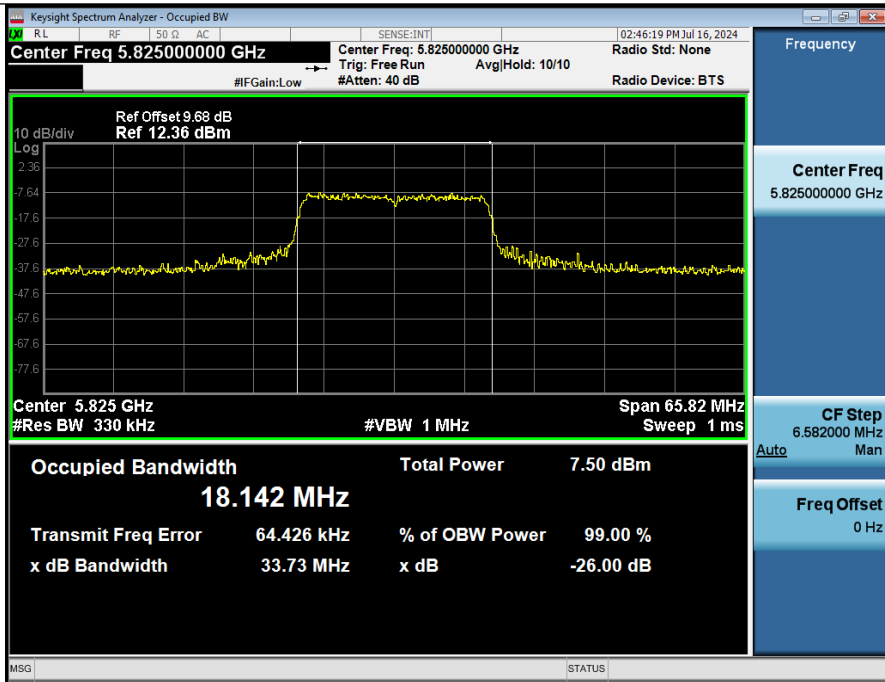
-26BW_NVNT_ANT1_802_11ac(VHT20)_5785



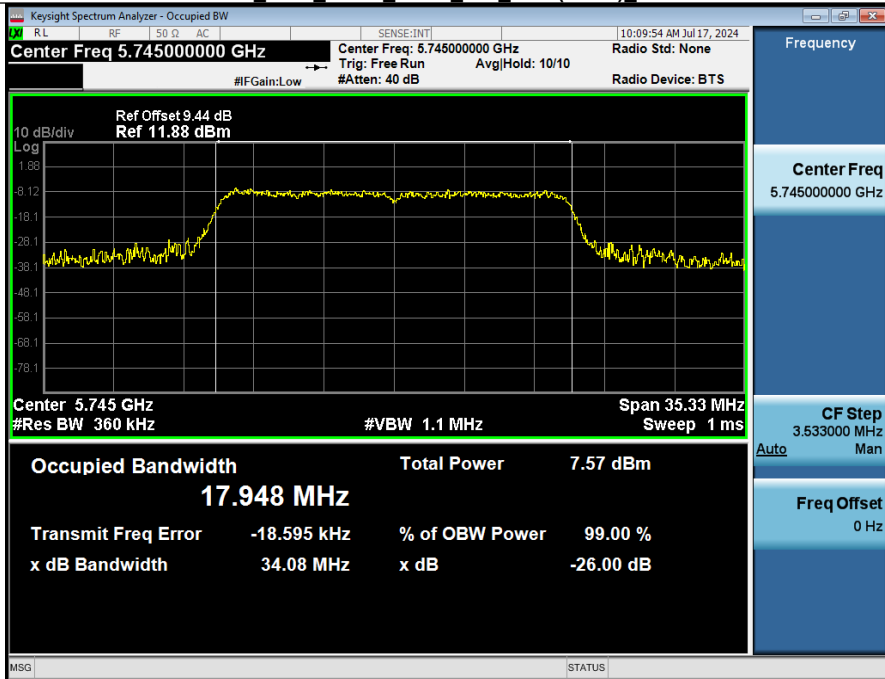
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5825



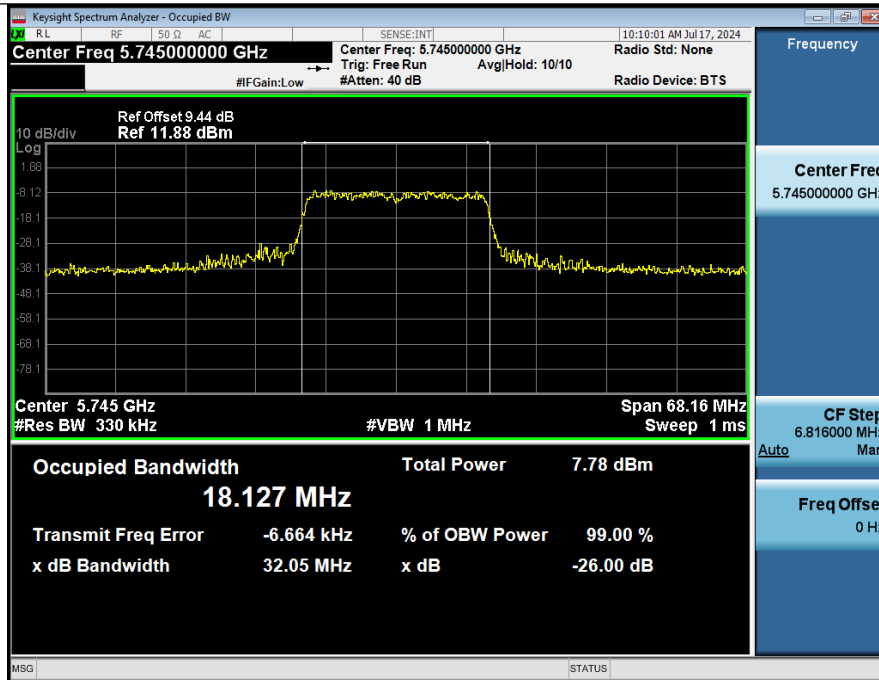
-26BW_NVNT_ANT1_802_11ac(VHT20)_5825



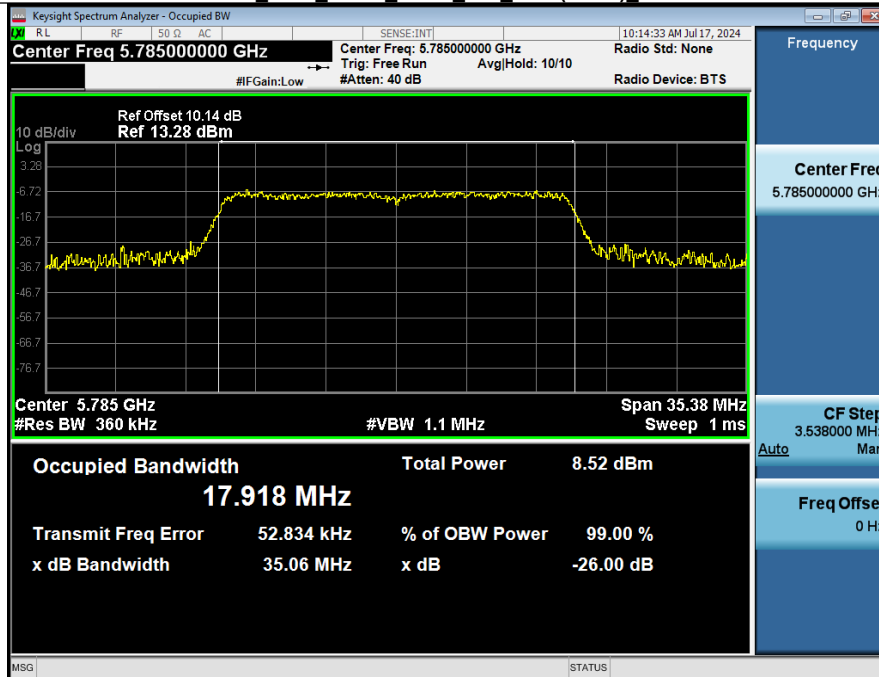
99%_OCB_NVNT_ANT1_802_11ax(HE20)_5745



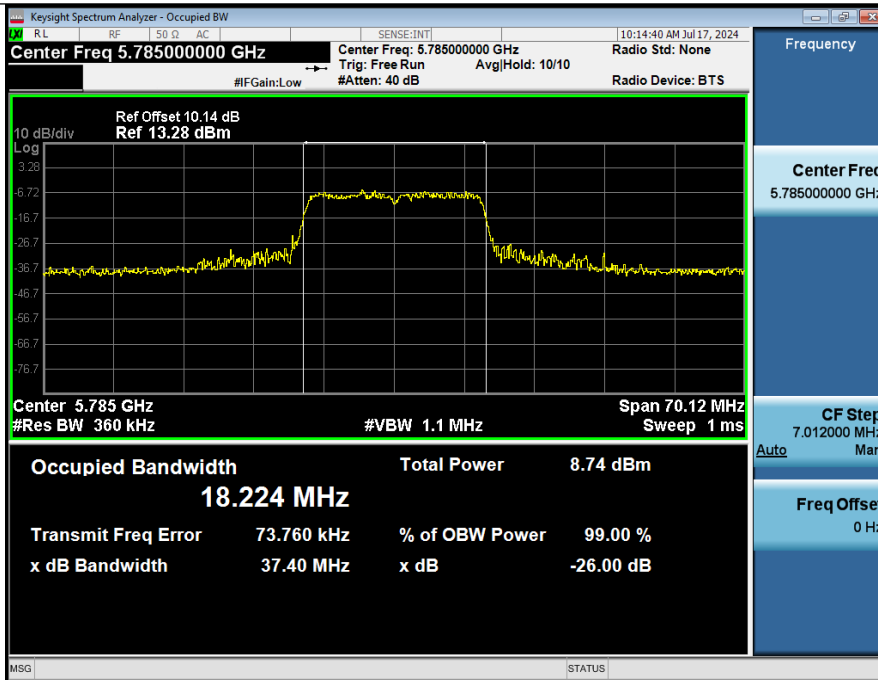
-26BW_NVNT_ANT1_802_11ax(HE20)_5745



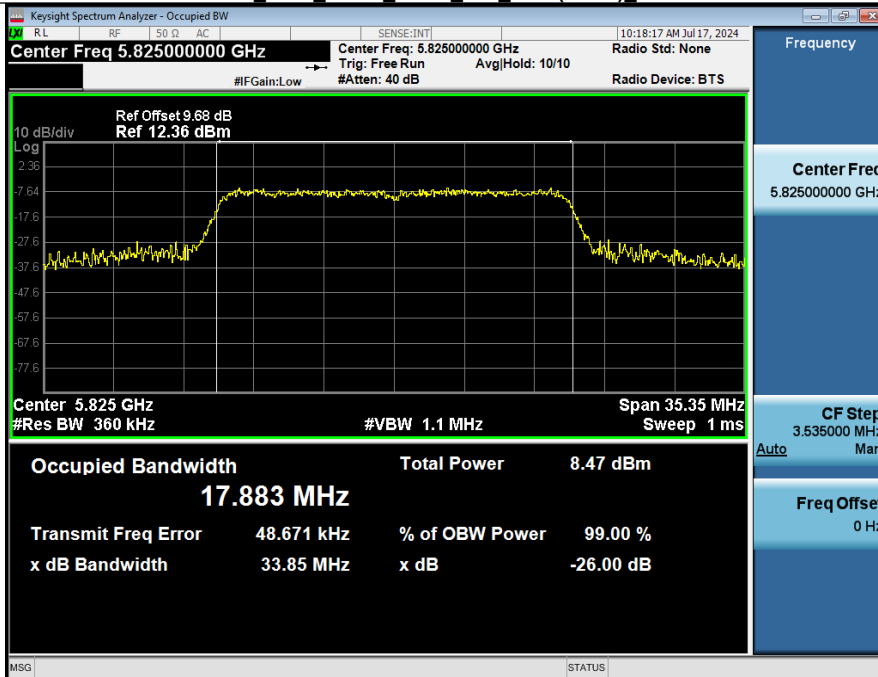
99%_OCB_NVNT_ANT1_802_11ax(HE20)_5785



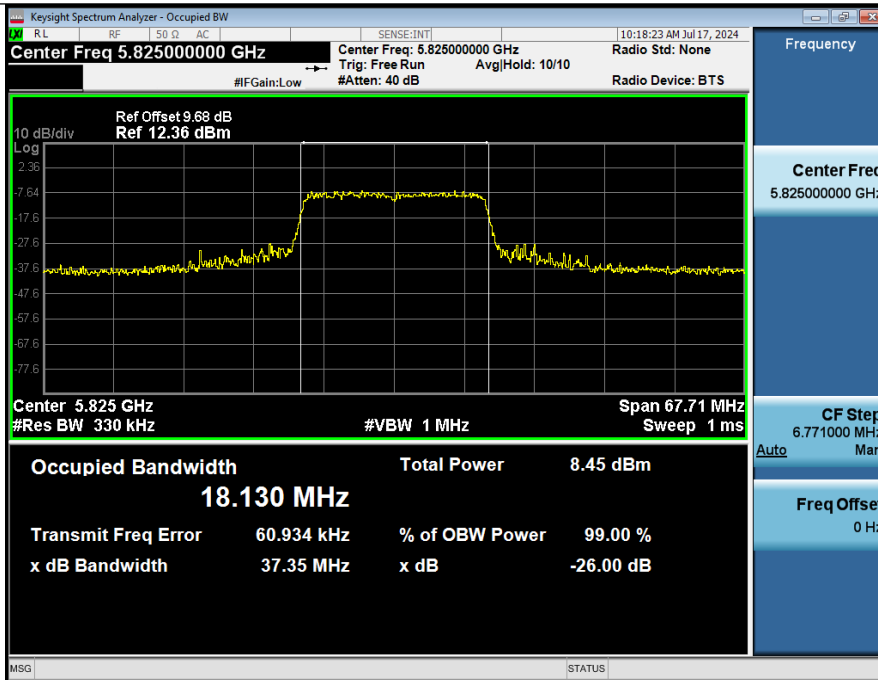
-26BW_NVNT_ANT1_802_11ax(HE20)_5785



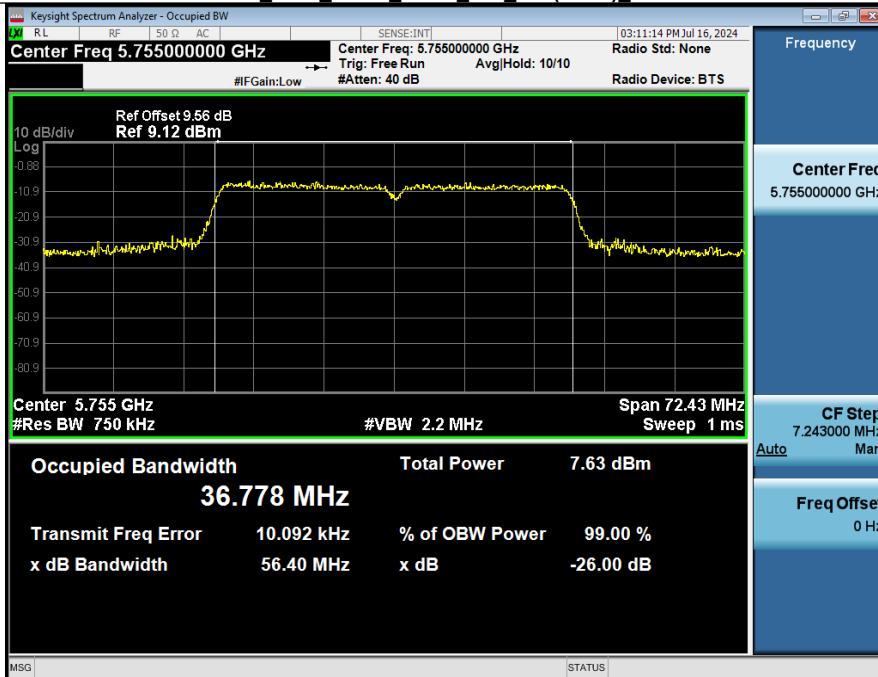
99%_OCB_NVNT_ANT1_802_11ax(HE20)_5825



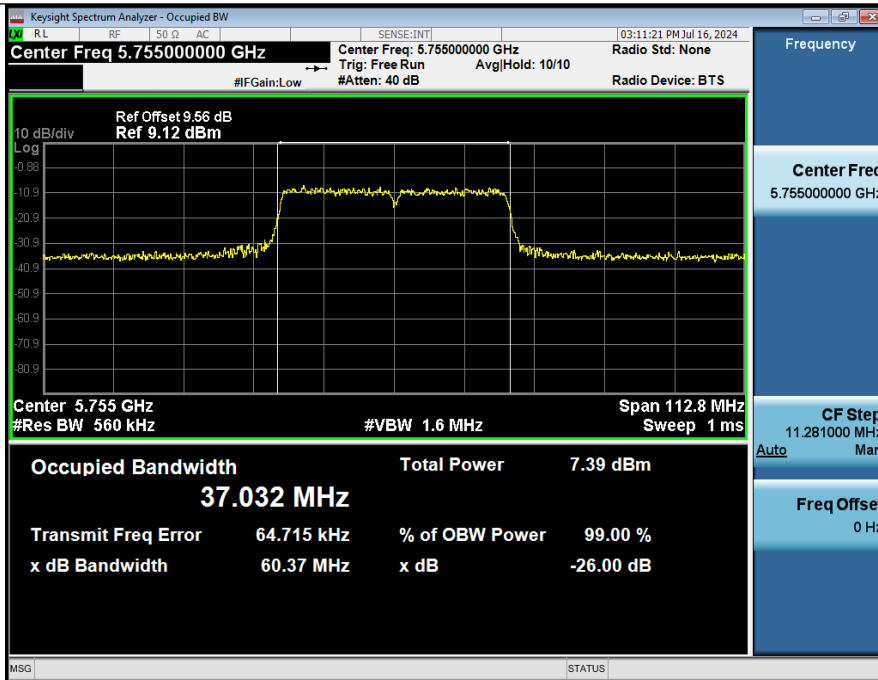
-26BW_NVNT_ANT1_802_11ax(HE20)_5825



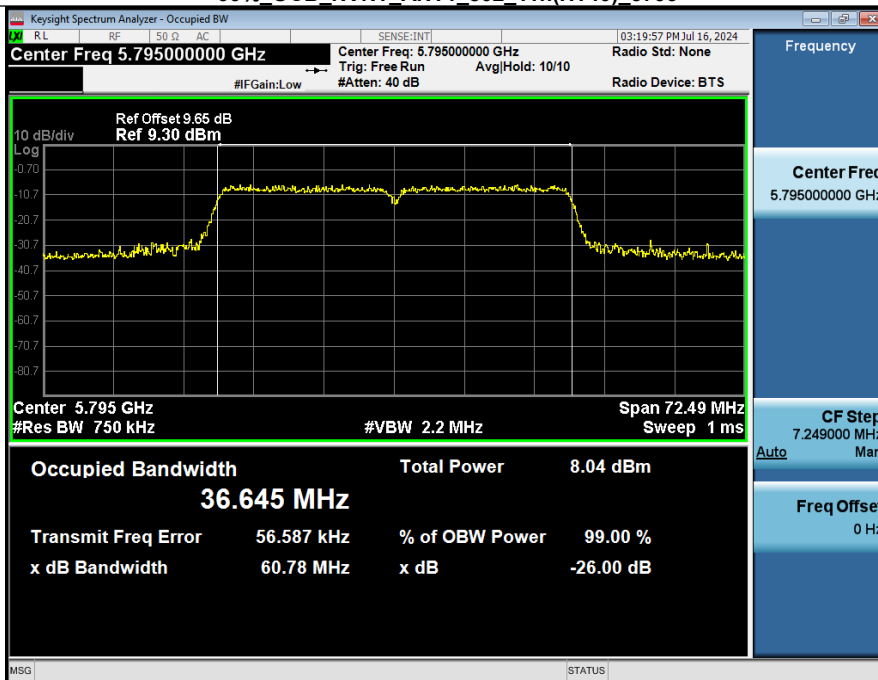
99%_OCB_NVNT_ANT1_802_11n(HT40)_5755



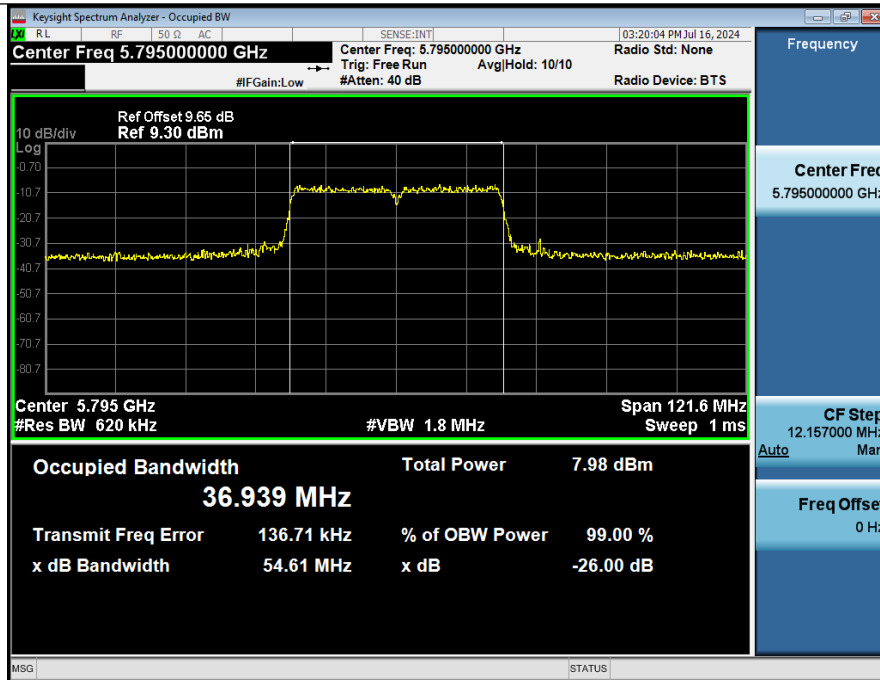
-26BW_NVNT_ANT1_802_11n(HT40)_5755



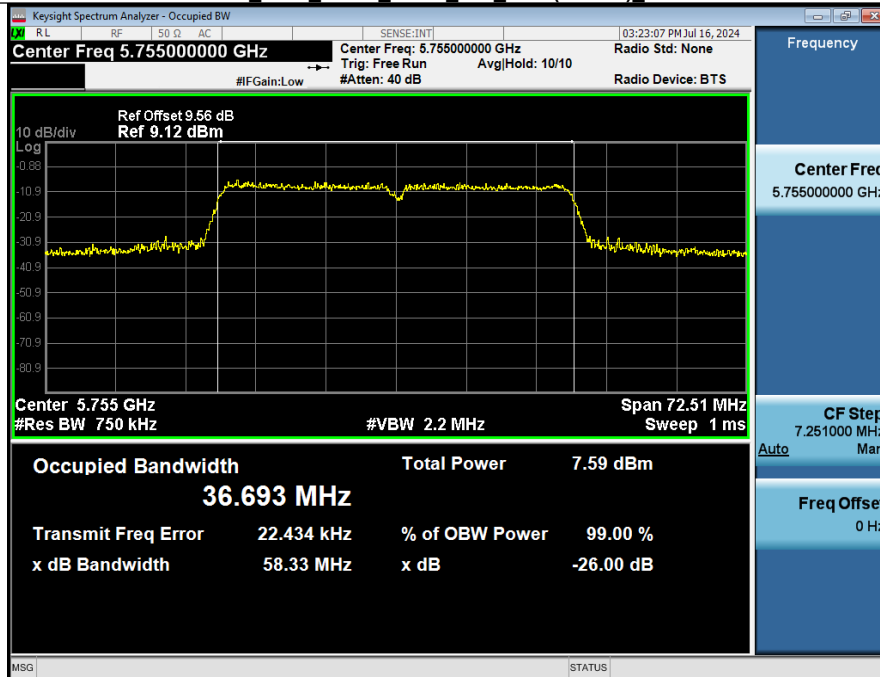
99%_OCB_NVNT_ANT1_802_11n(HT40)_5795



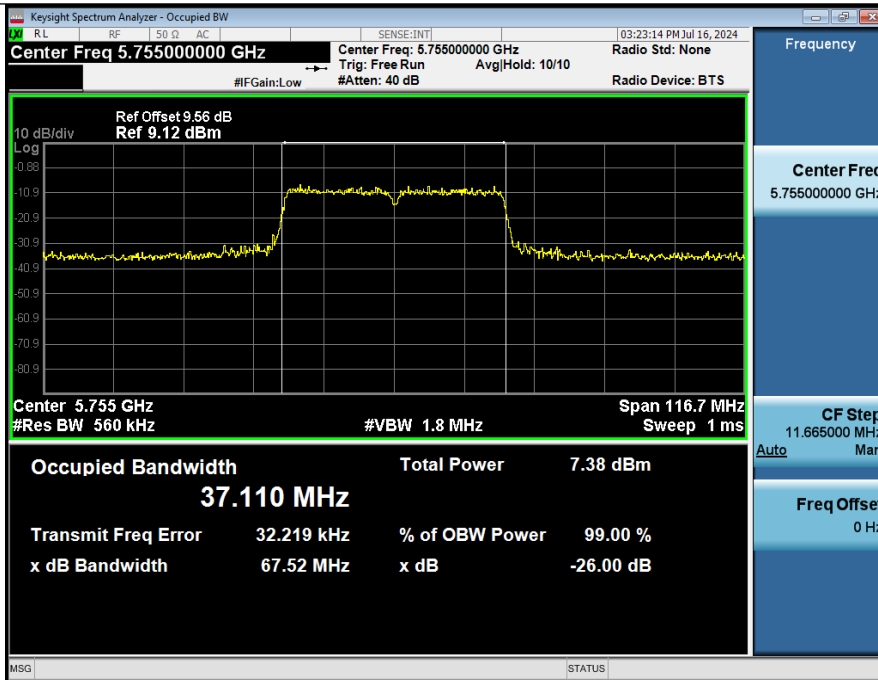
-26BW_NVNT_ANT1_802_11n(HT40)_5795



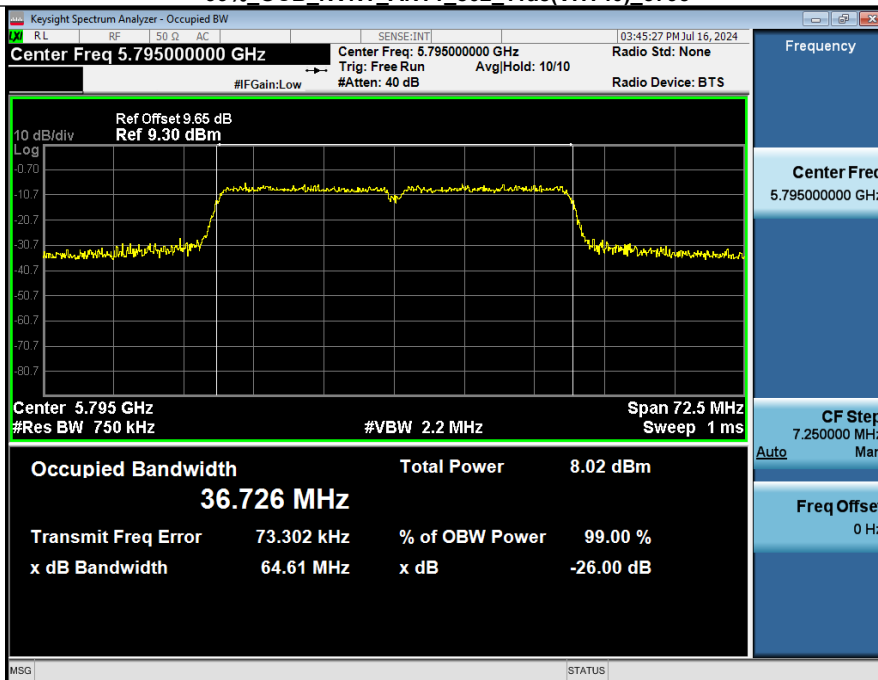
99% OCB_NVNT_ANT1_802_11ac(VHT40)_5755



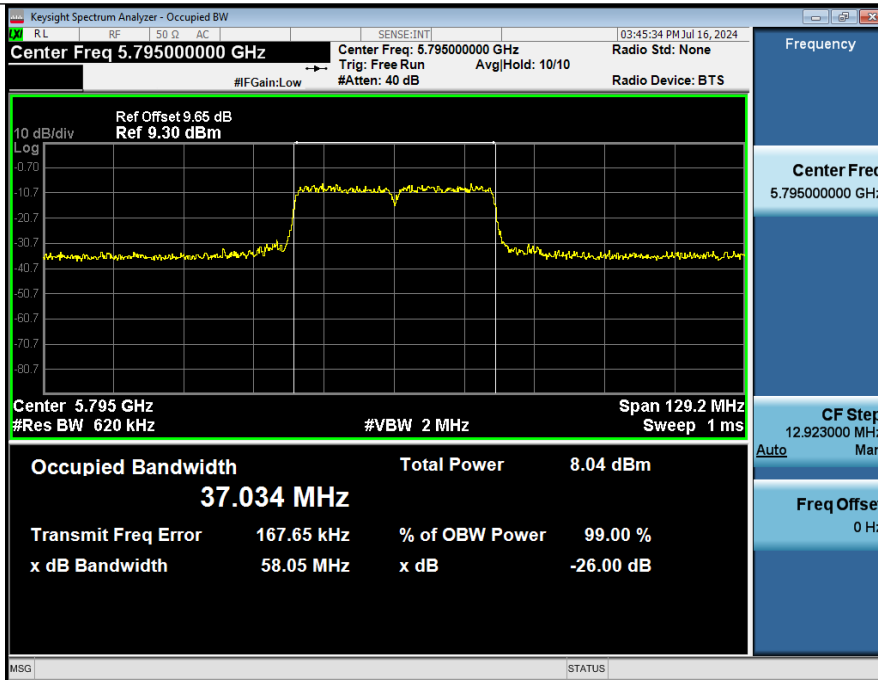
-26BW_NVNT_ANT1_802_11ac(VHT40)_5755



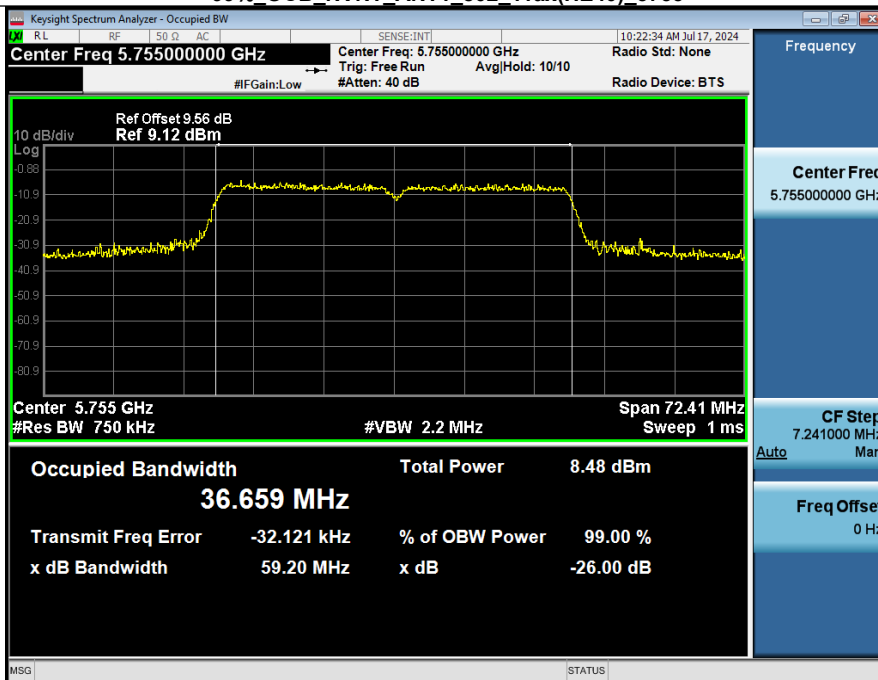
99% OCB_NVNT_ANT1_802_11ac(VHT40)_5795



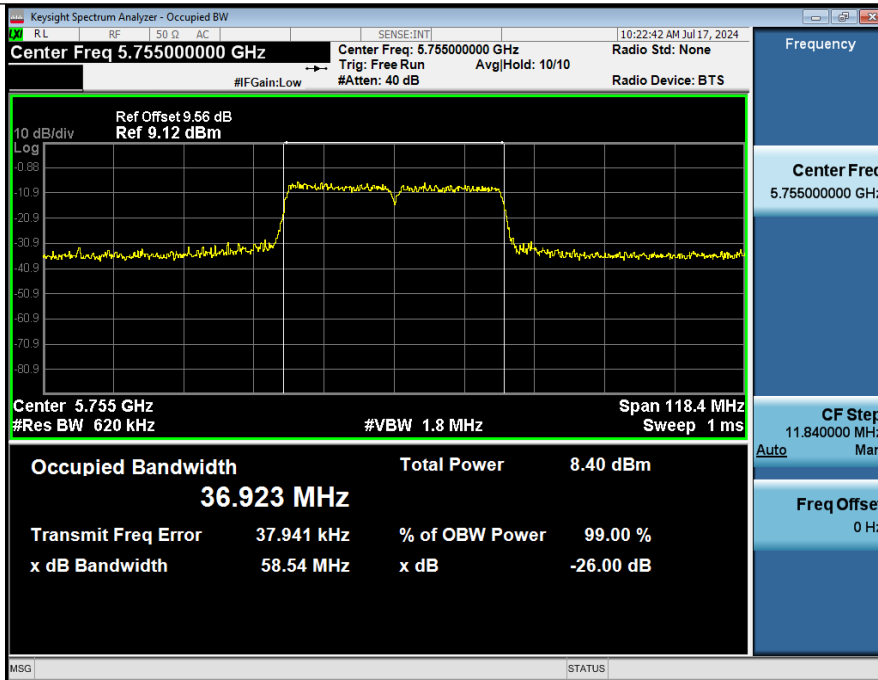
-26BW_NVNT_ANT1_802_11ac(VHT40)_5795



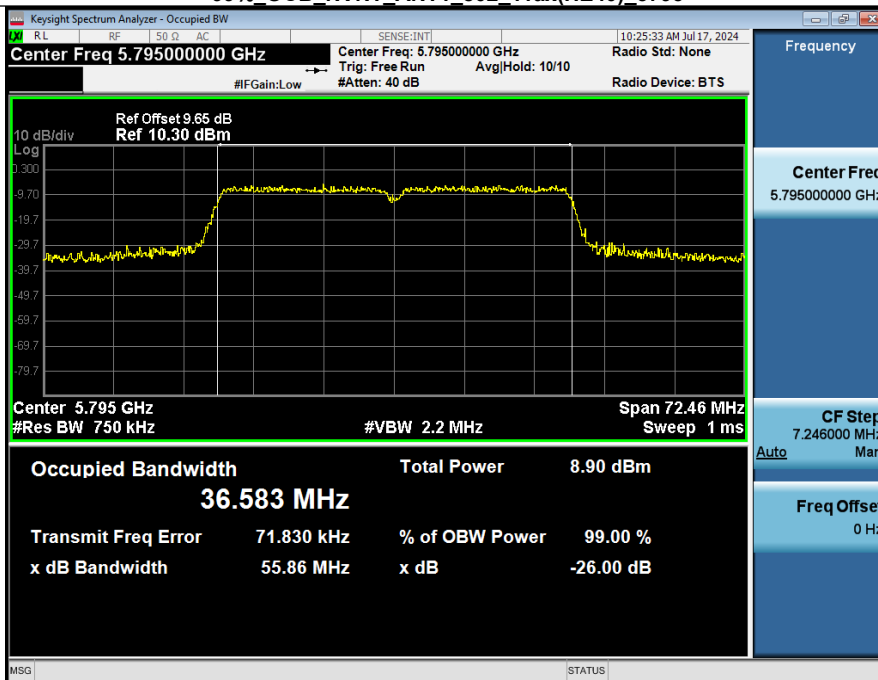
99%_OCB_NVNT_ANT1_802_11ax(HE40)_5755



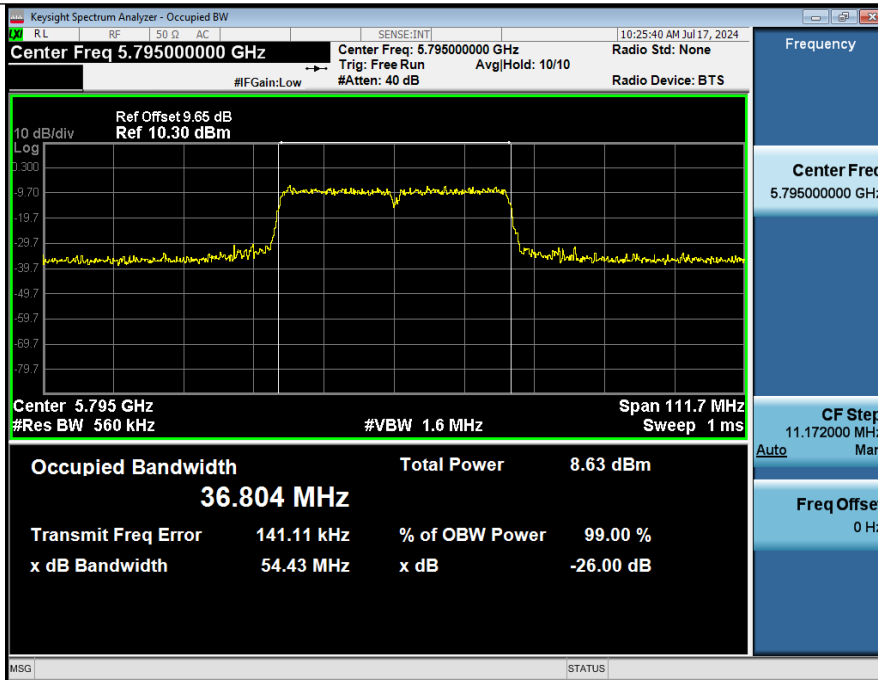
-26BW_NVNT_ANT1_802_11ax(HE40)_5755



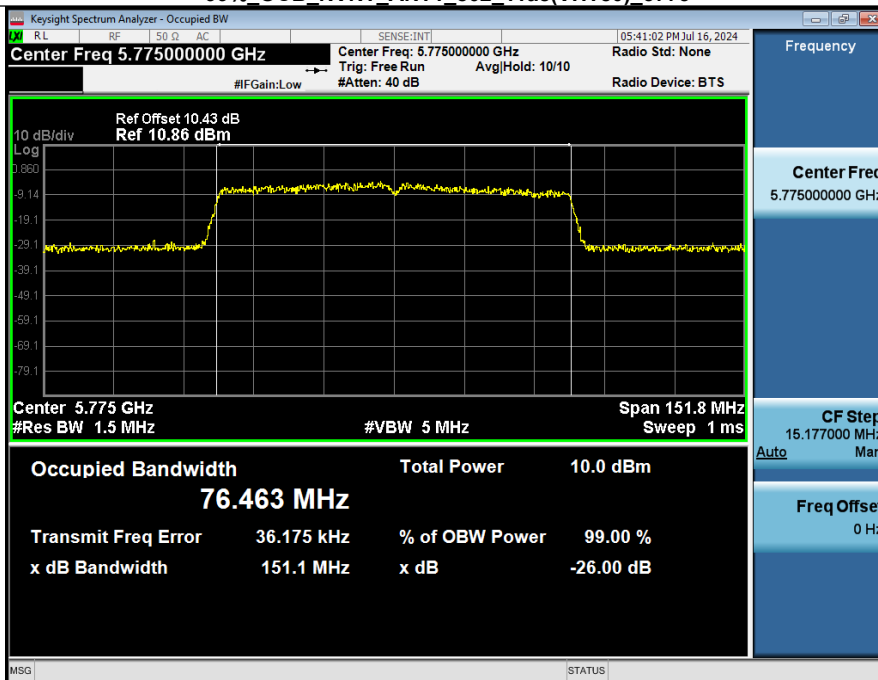
99%_OCB_NVNT_ANT1_802_11ax(HE40)_5795



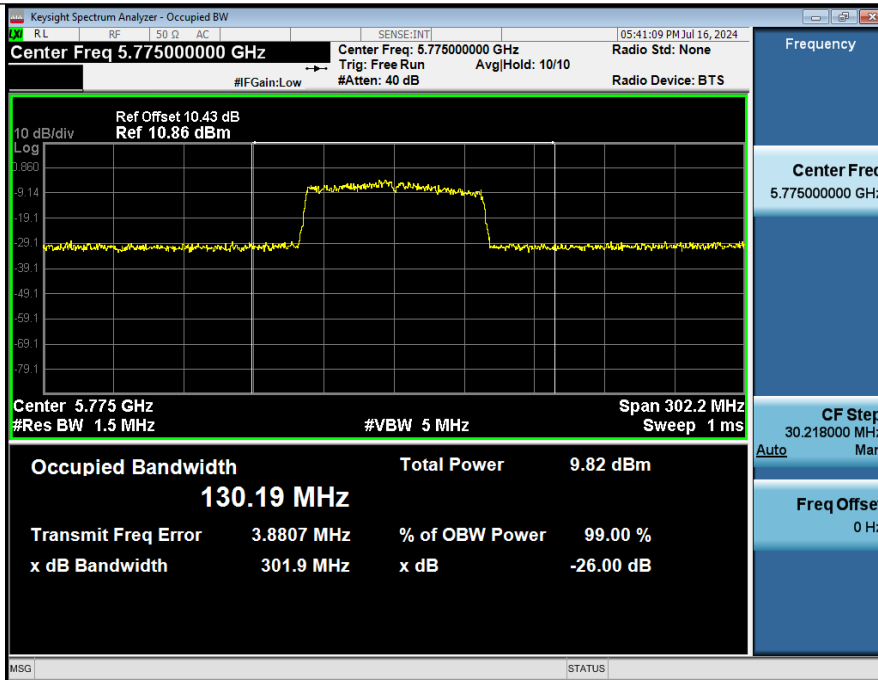
-26BW_NVNT_ANT1_802_11ax(HE40)_5795



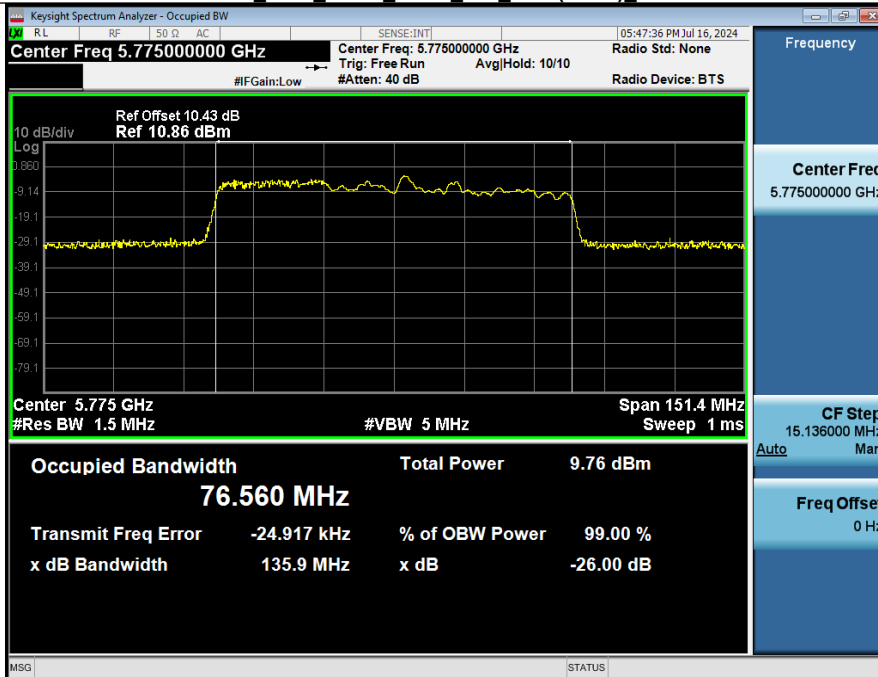
99% OCB_NVNT_ANT1_802_11ac(VHT80)_5775



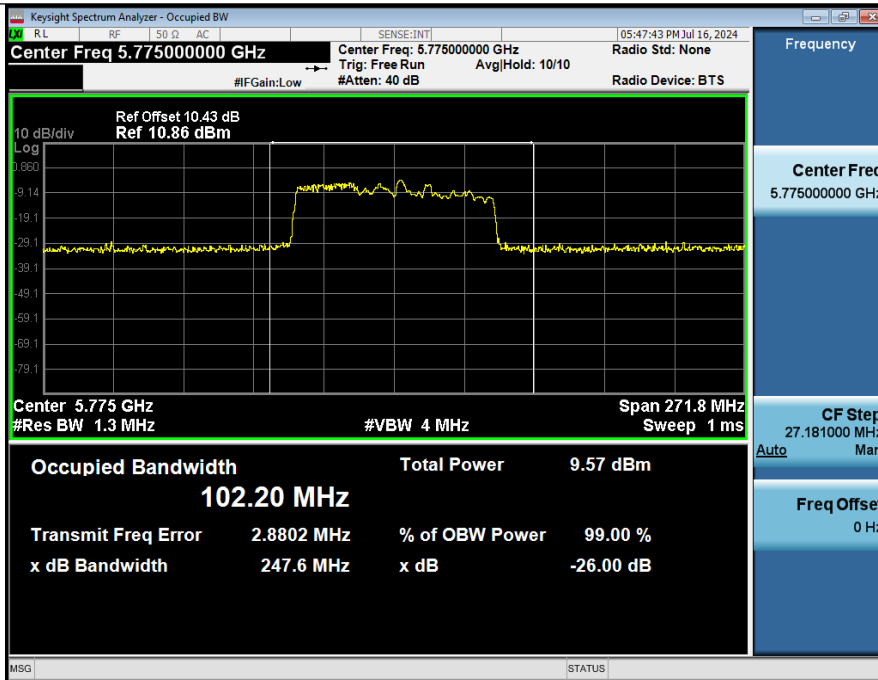
-26BW_NVNT_ANT1_802_11ac(VHT80)_5775



99%_OCB_NVNT_ANT1_802_11ax(HE80)_5775

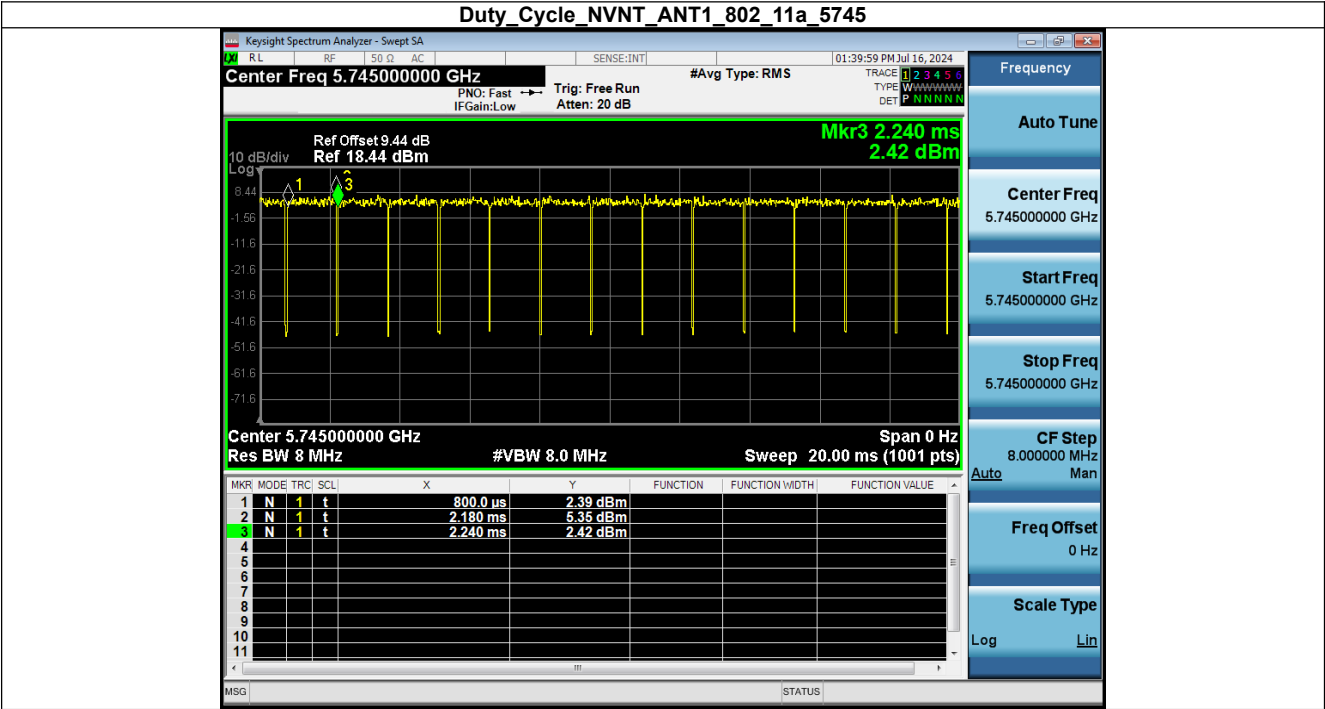


-26BW_NVNT_ANT1_802_11ax(HE80)_5775

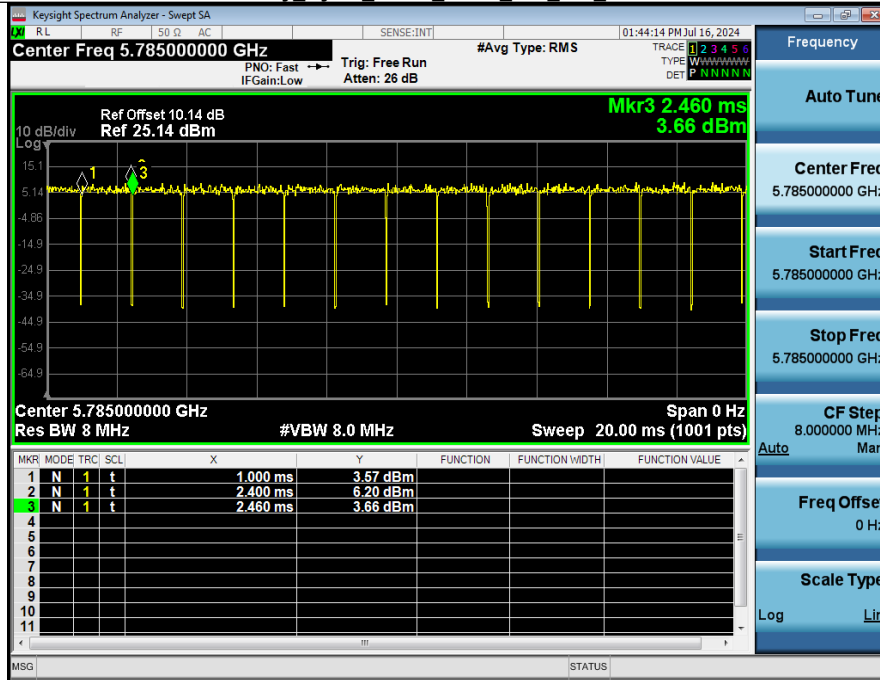


3. Duty Cycle

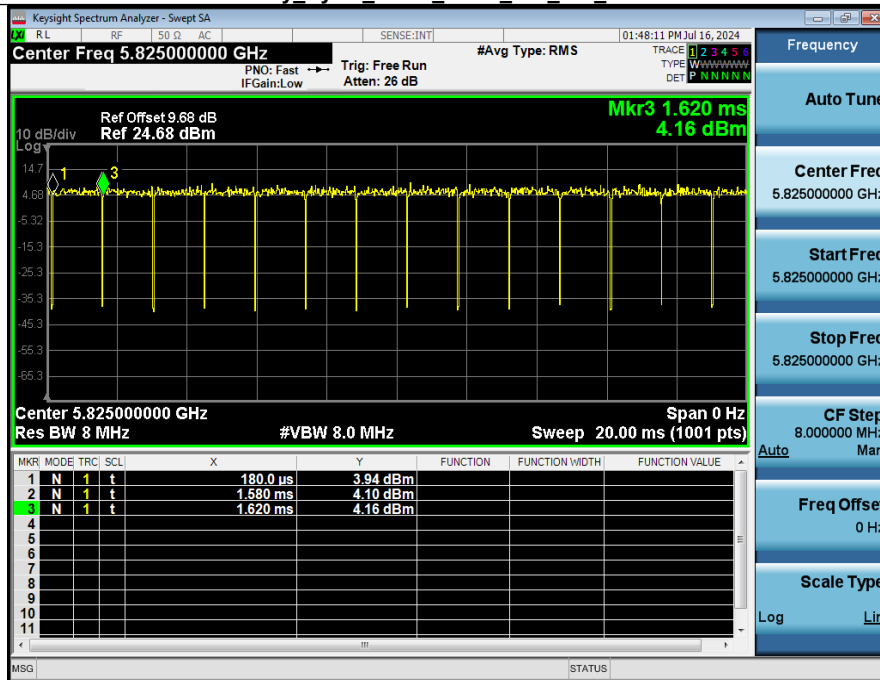
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	95.83	0.18
NVNT	ANT1	802.11a	5785.00	95.89	0.18
NVNT	ANT1	802.11a	5825.00	97.22	0.12
NVNT	ANT1	802.11n(HT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	5785.00	96.72	0.14
NVNT	ANT1	802.11n(HT20)	5825.00	96.72	0.14
NVNT	ANT1	802.11ac(VHT20)	5745.00	96.77	0.14
NVNT	ANT1	802.11ac(VHT20)	5785.00	96.77	0.14
NVNT	ANT1	802.11ac(VHT20)	5825.00	95.16	0.22
NVNT	ANT1	802.11ax(HE20)	5745.00	96.72	0.14
NVNT	ANT1	802.11ax(HE20)	5785.00	95.16	0.22
NVNT	ANT1	802.11ax(HE20)	5825.00	95.16	0.22
NVNT	ANT1	802.11n(HT40)	5755.00	90.63	0.43
NVNT	ANT1	802.11n(HT40)	5795.00	93.75	0.28
NVNT	ANT1	802.11ac(VHT40)	5755.00	90.91	0.41
NVNT	ANT1	802.11ac(VHT40)	5795.00	90.91	0.41
NVNT	ANT1	802.11ax(HE40)	5755.00	90.63	0.43
NVNT	ANT1	802.11ax(HE40)	5795.00	90.63	0.43
NVNT	ANT1	802.11ac(VHT80)	5775.00	100	0.00
NVNT	ANT1	802.11ax(HE80)	5775.00	100	0.00



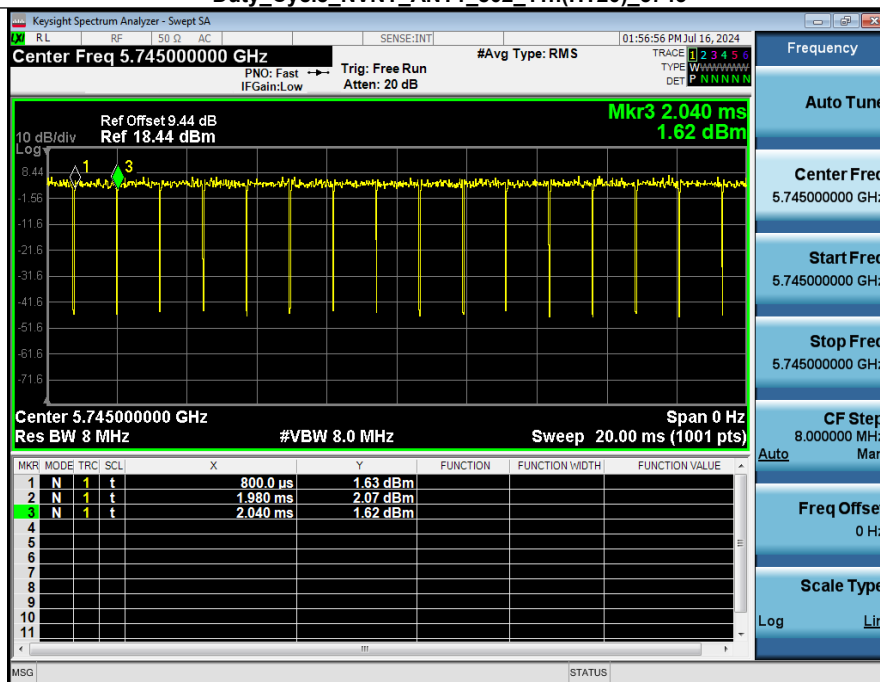
Duty Cycle NVNT_ANT1_802_11a_5785



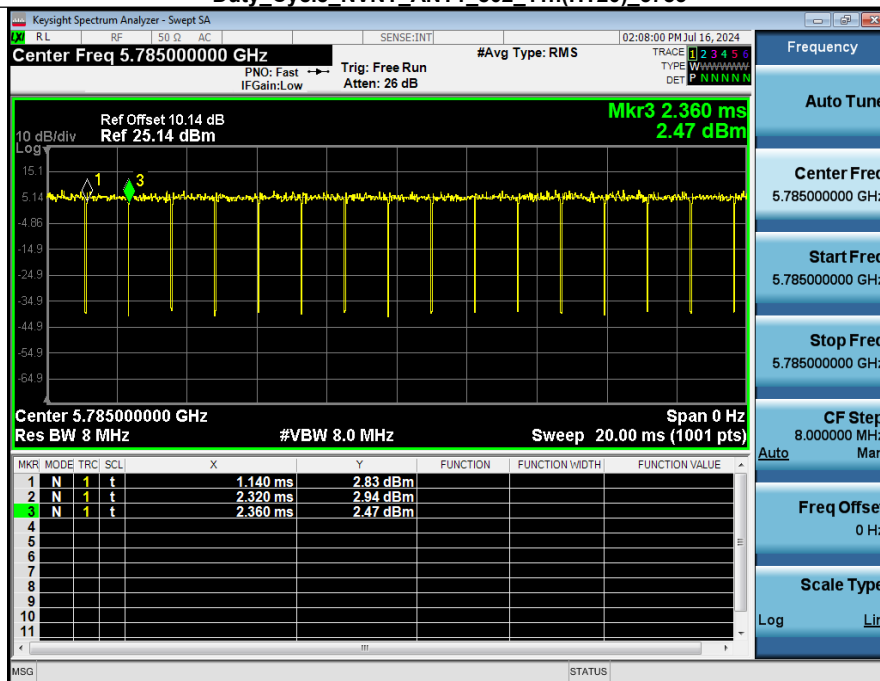
Duty Cycle NVNT_ANT1_802_11a_5825



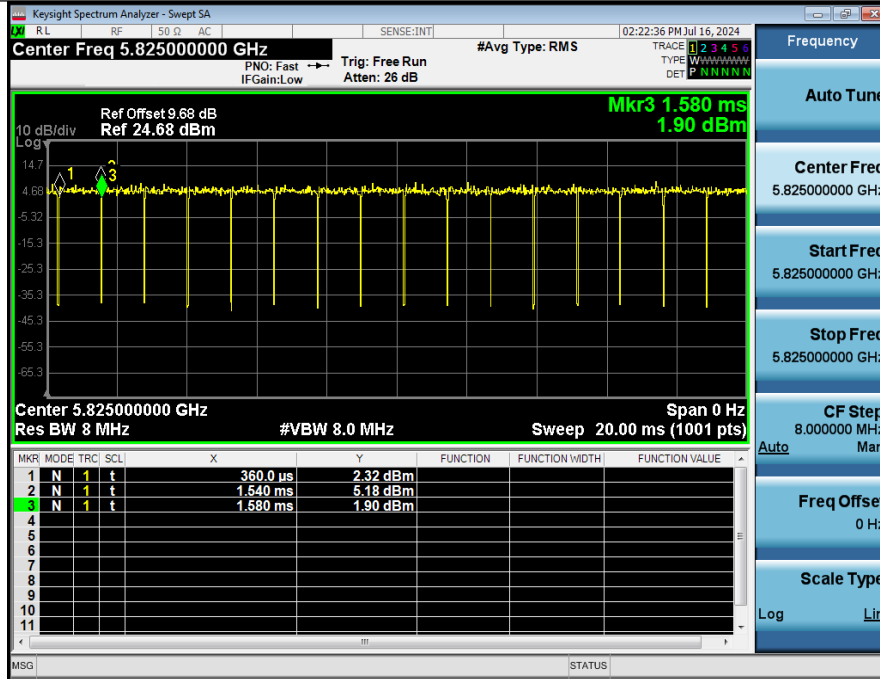
Duty Cycle NVNT_ANT1_802_11n(HT20)_5745



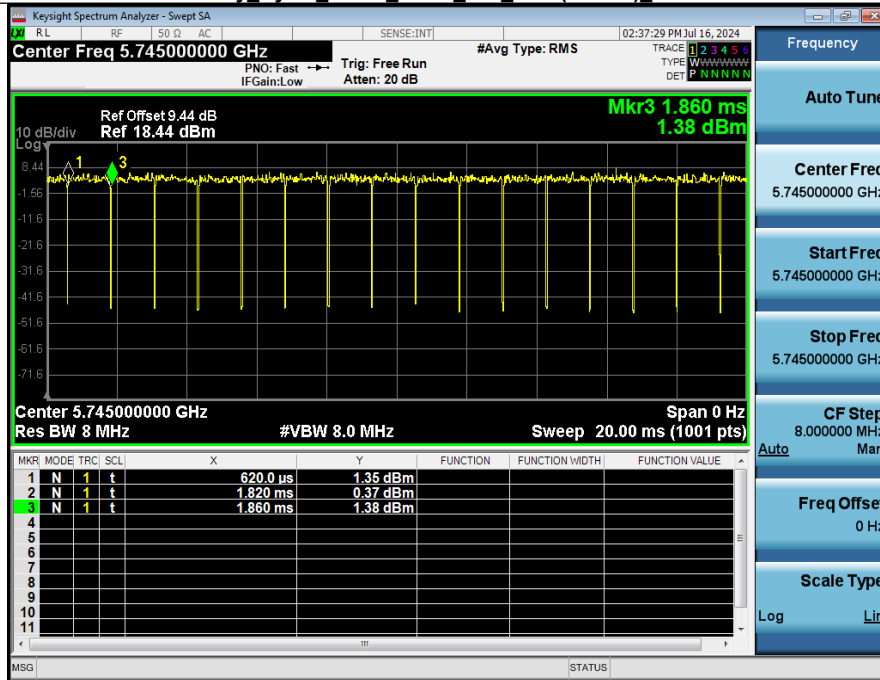
Duty Cycle NVNT_ANT1_802_11n(HT20)_5785



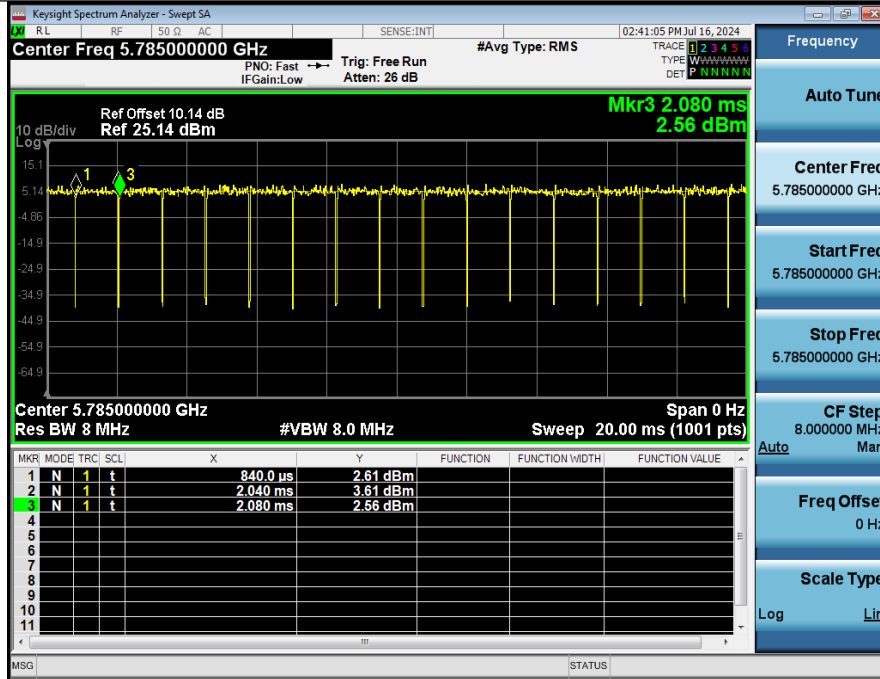
Duty Cycle NVNT_ANT1_802_11n(HT20)_5825



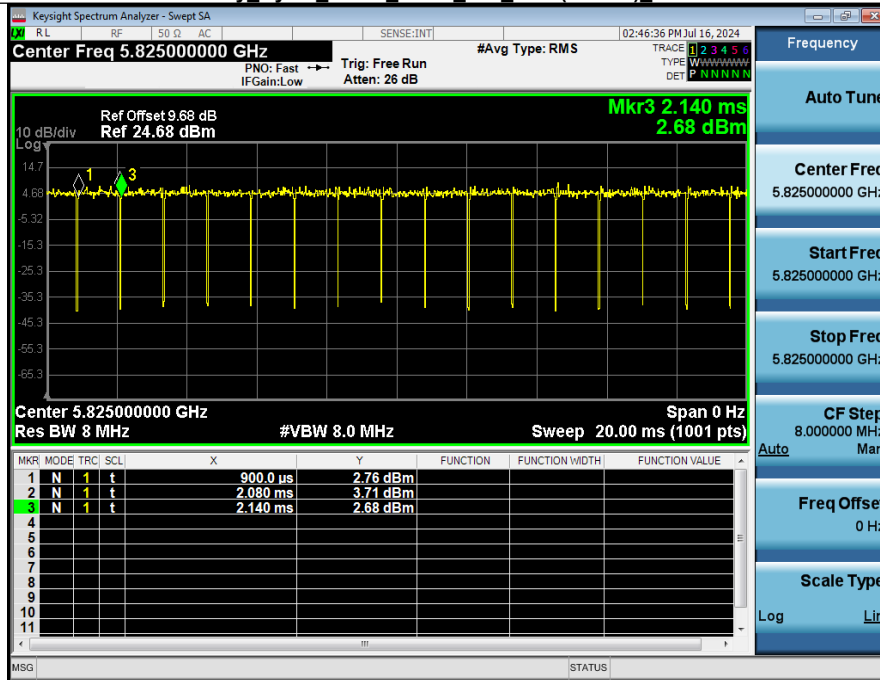
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5745



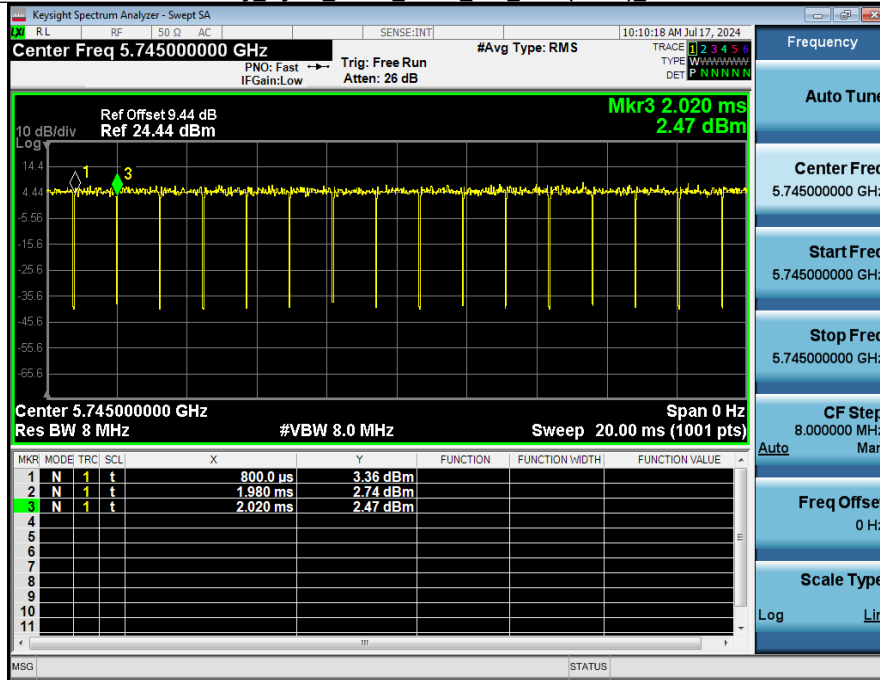
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5785



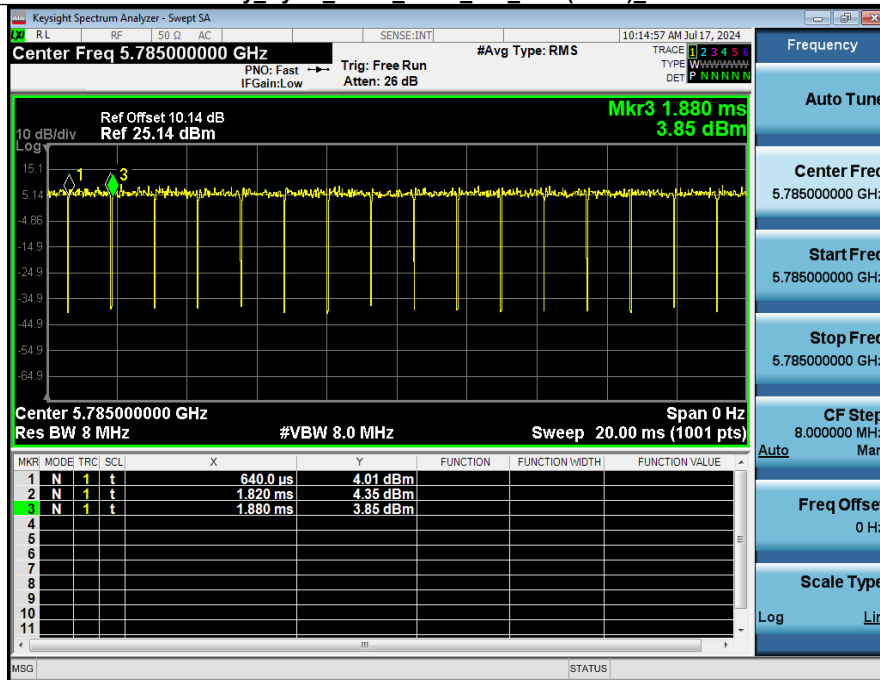
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5825



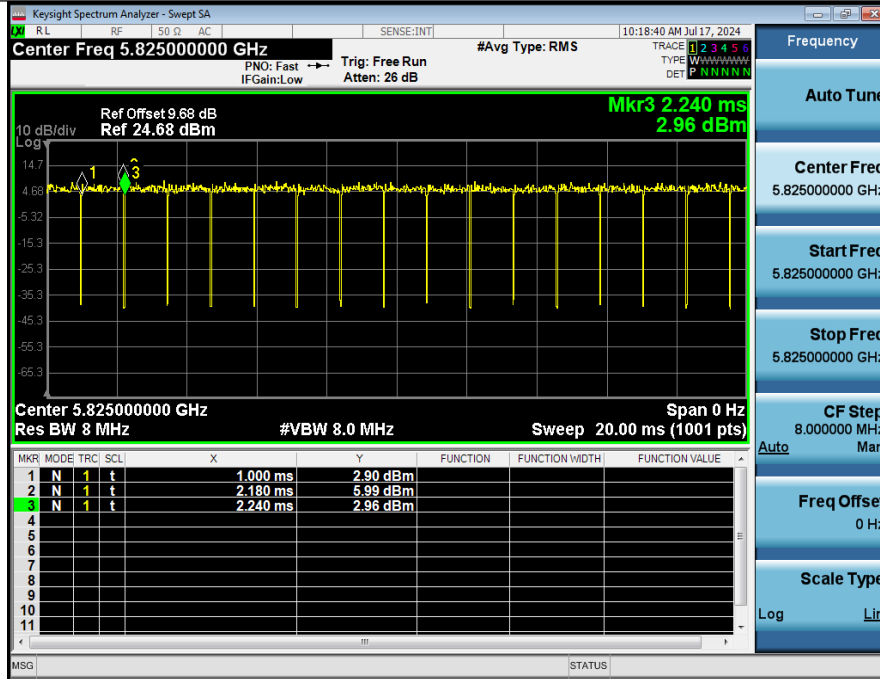
Duty Cycle NVNT_ANT1_802_11ax(HE20)_5745



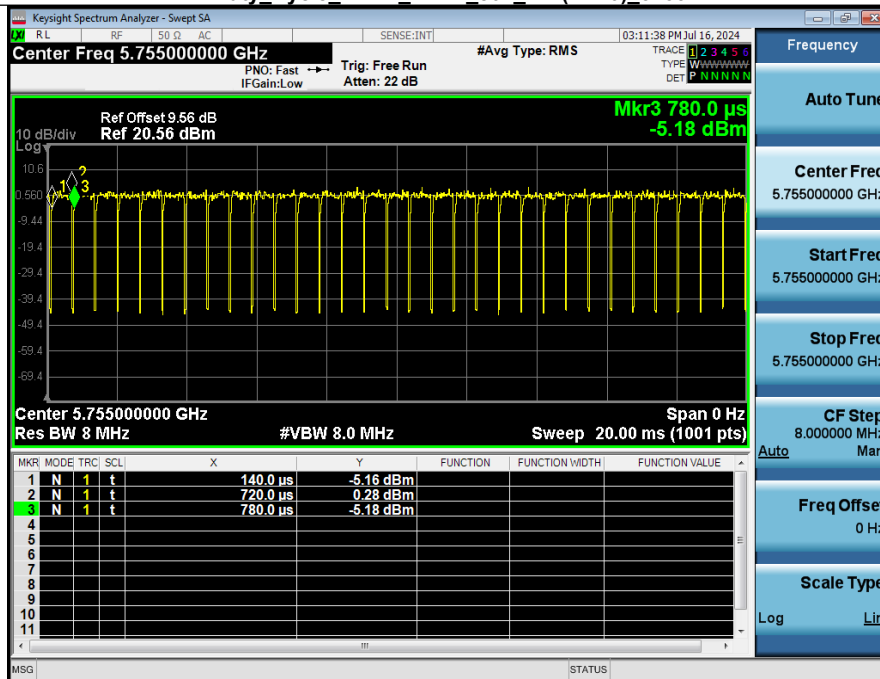
Duty Cycle NVNT_ANT1_802_11ax(HE20)_5785



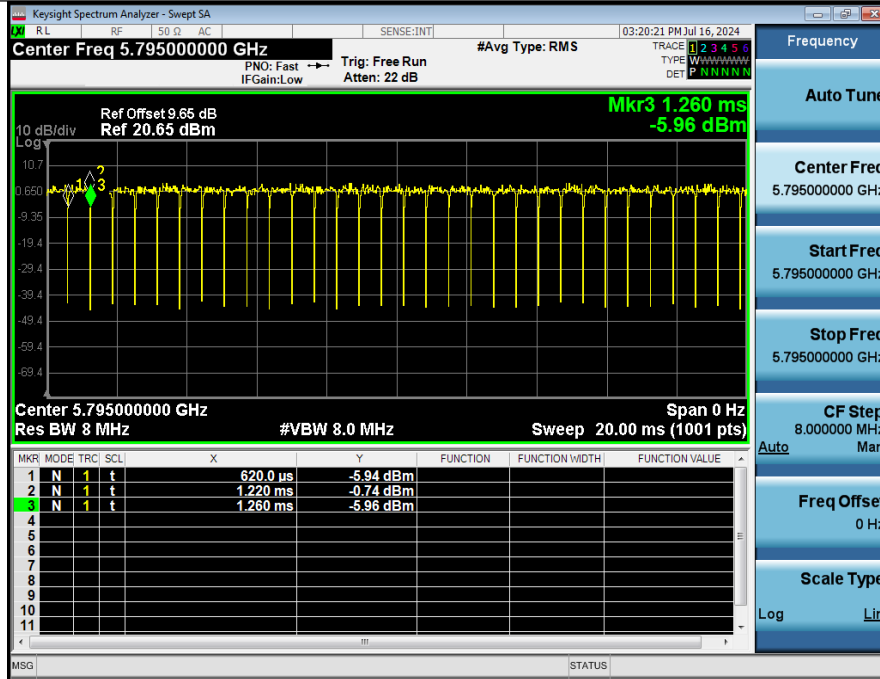
Duty Cycle NVNT_ANT1_802_11ax(HE20)_5825



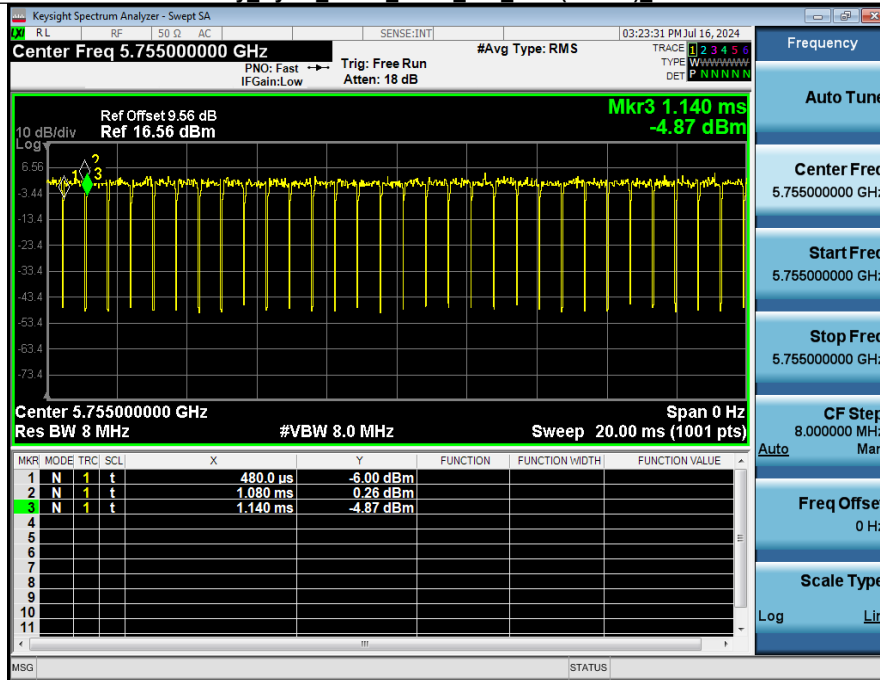
Duty Cycle NVNT_ANT1_802_11n(HT40)_5755



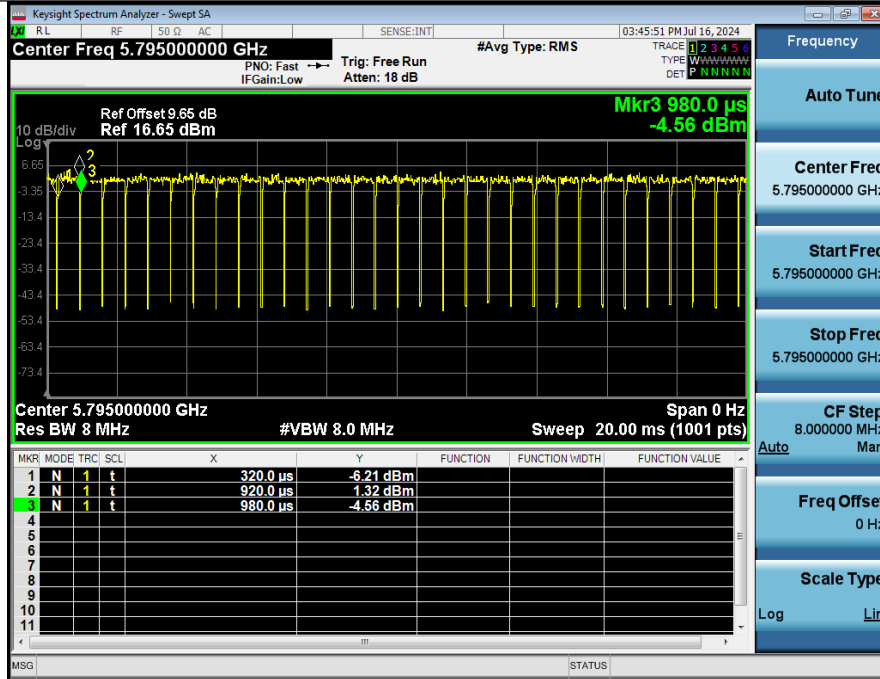
Duty Cycle NVNT_ANT1_802_11n(HT40)_5795



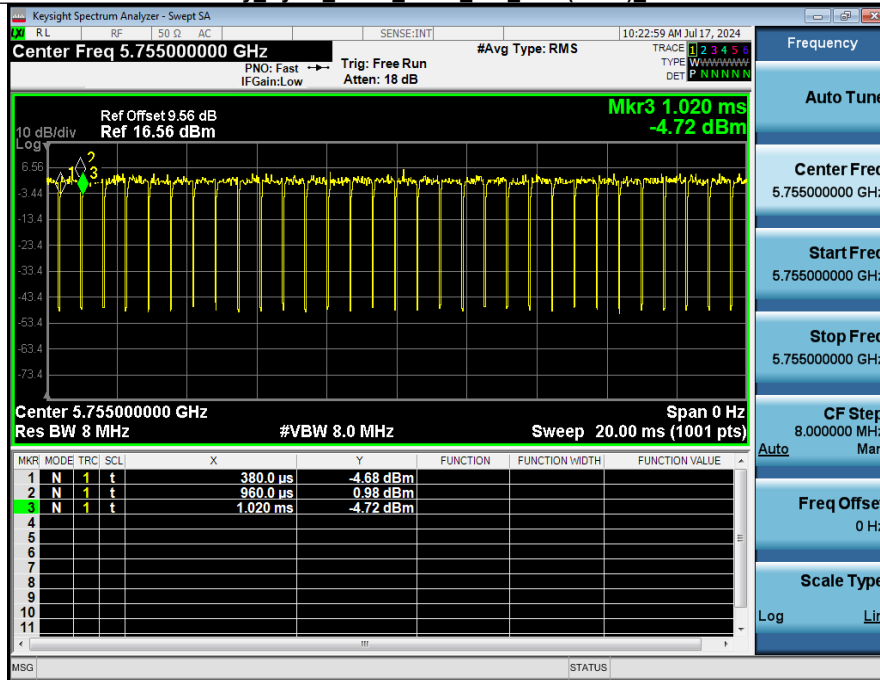
Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5755



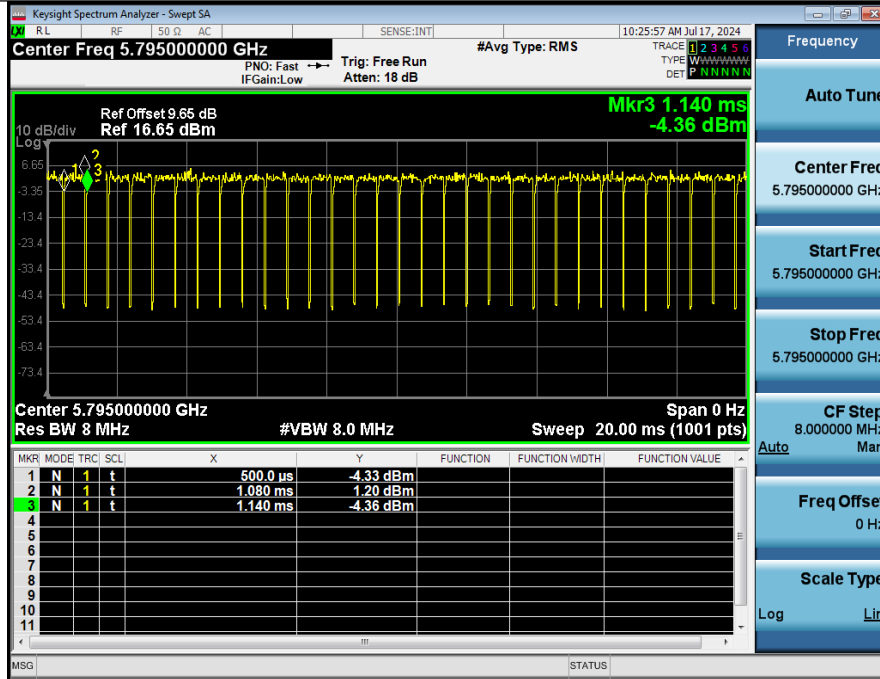
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5795



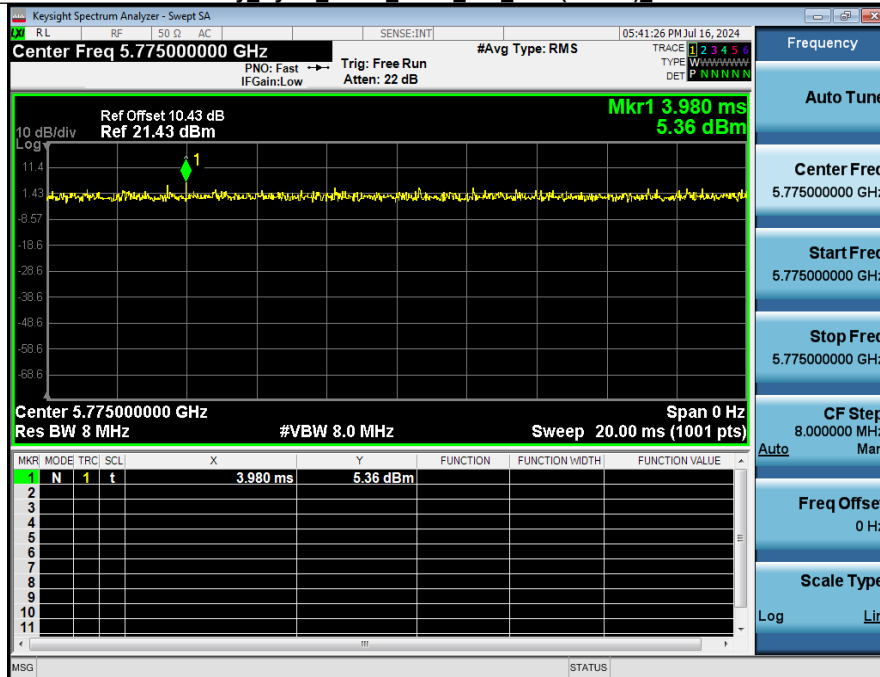
Duty_Cycle_NVNT_ANT1_802_11ax(HE40)_5755



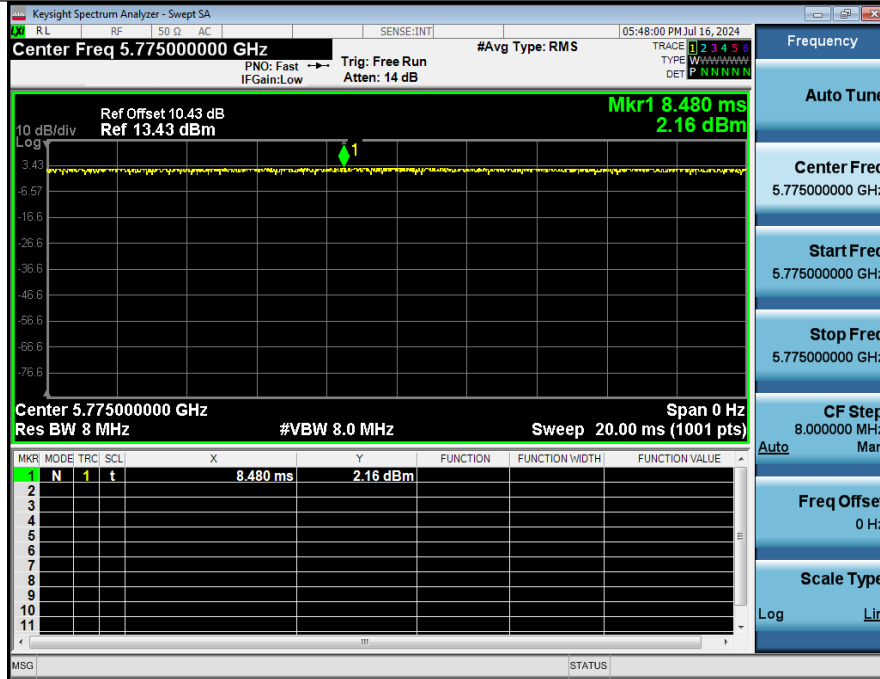
Duty Cycle NVNT_ANT1_802_11ax(HE40)_5795



Duty Cycle NVNT_ANT1_802_11ac(VHT80)_5775

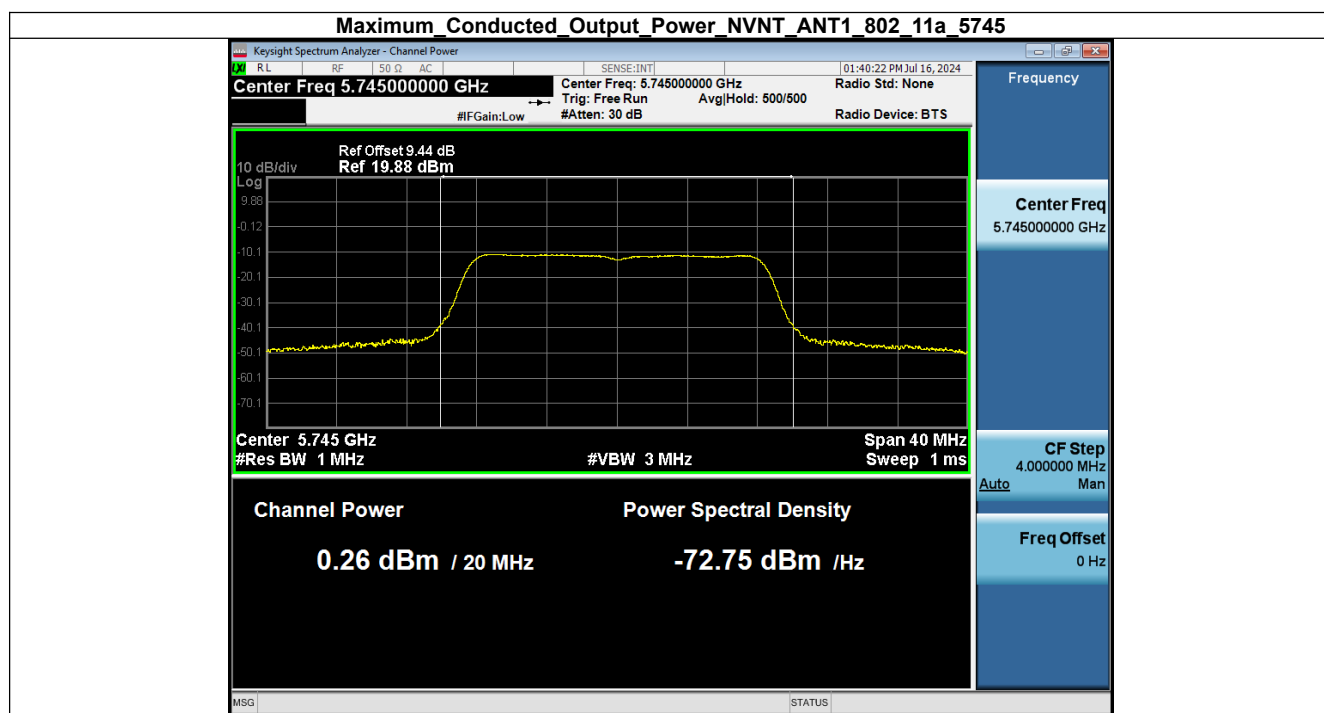


Duty Cycle NVNT_ANT1_802_11ax(HE80)_5775

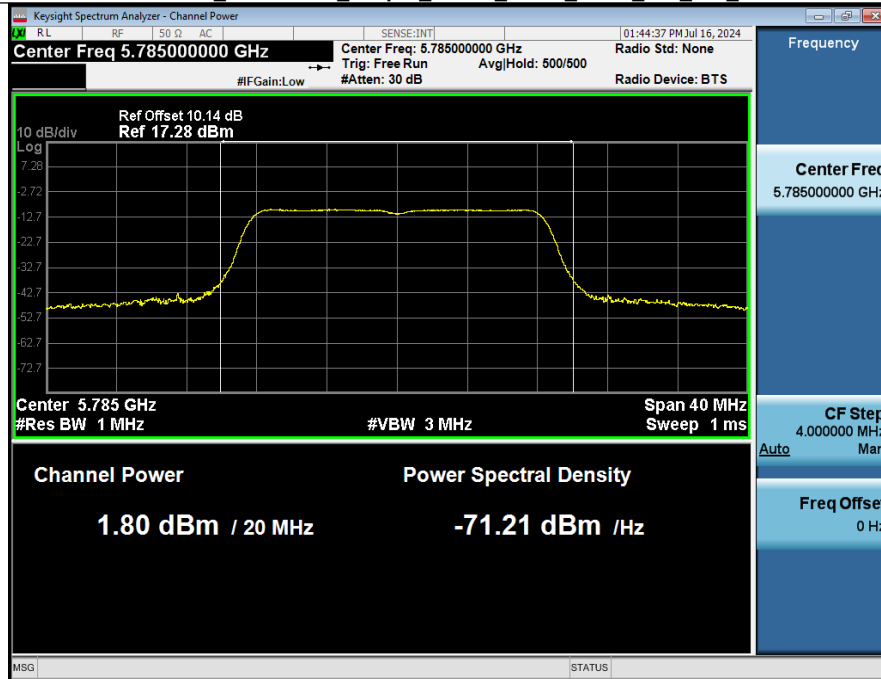


4. Maximum Conducted Output Power

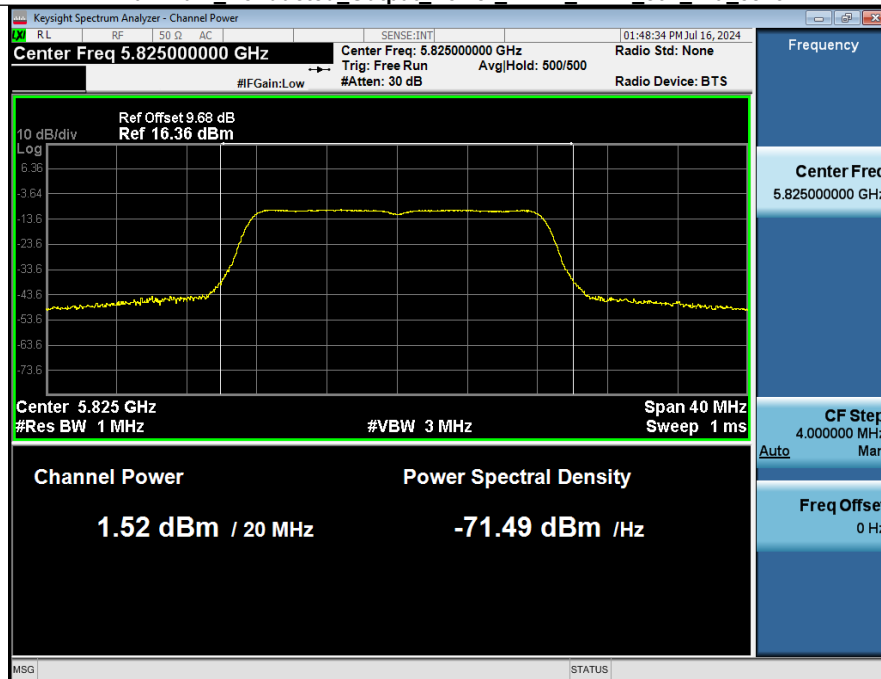
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	0.26	0.18	0.44	30	Pass
NVNT	ANT1	802.11a	5785.00	1.80	0.18	1.98	30	Pass
NVNT	ANT1	802.11a	5825.00	1.52	0.12	1.64	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	0.05	0.22	0.27	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	1.09	0.14	1.23	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	0.81	0.14	0.95	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-0.02	0.14	0.12	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	1.05	0.14	1.19	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	0.76	0.22	0.98	30	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	0.88	0.14	1.02	30	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	1.83	0.22	2.05	30	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	1.64	0.22	1.86	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-0.12	0.43	0.31	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	0.35	0.28	0.63	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-0.12	0.41	0.29	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	0.35	0.41	0.76	30	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	0.79	0.43	1.22	30	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	1.18	0.43	1.61	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	1.61	0.00	1.61	30	Pass
NVNT	ANT1	802.11ax(HE80)	5775.00	2.84	0.00	2.84	30	Pass



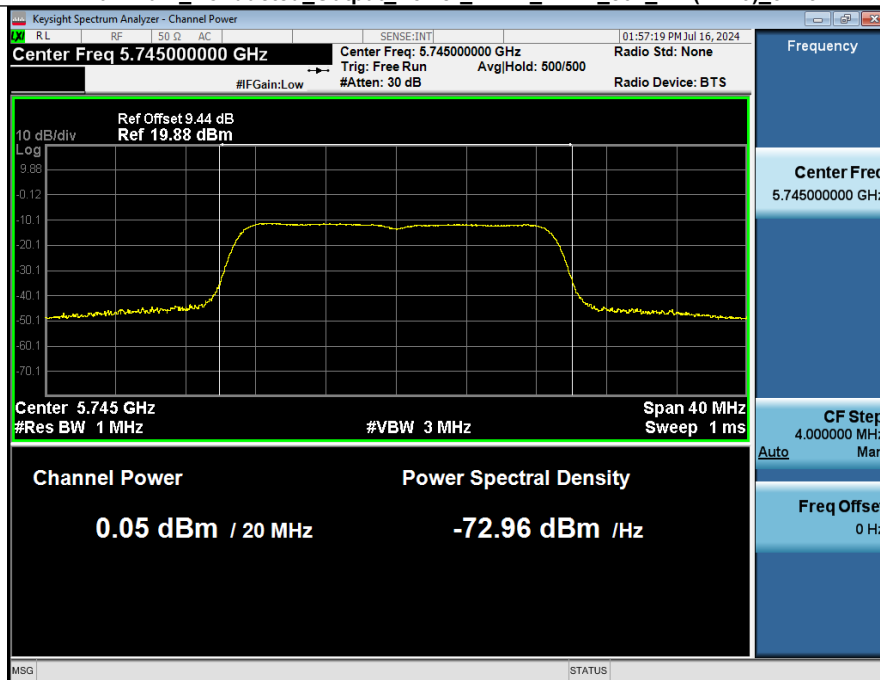
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5785



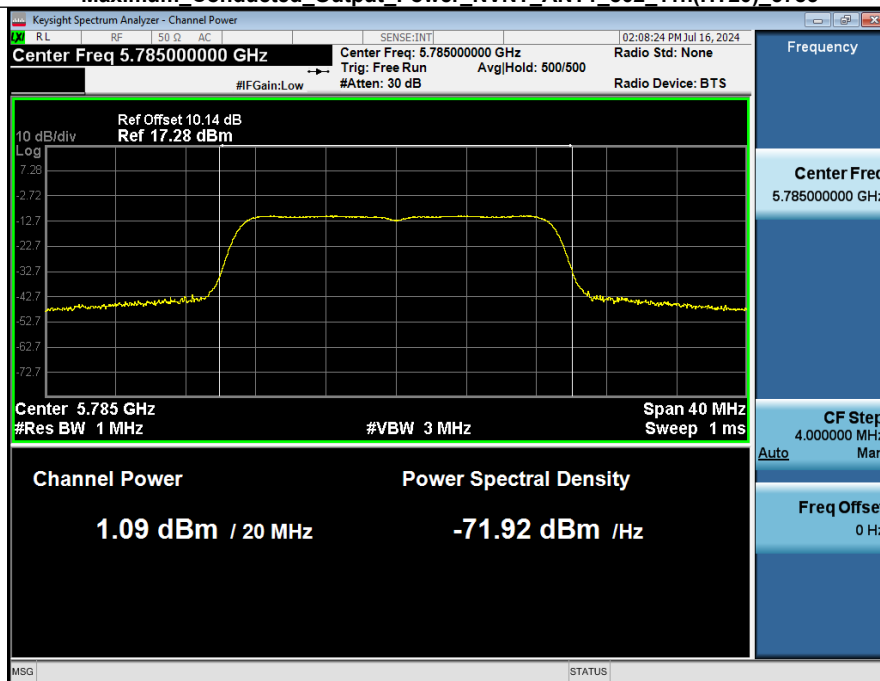
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5825



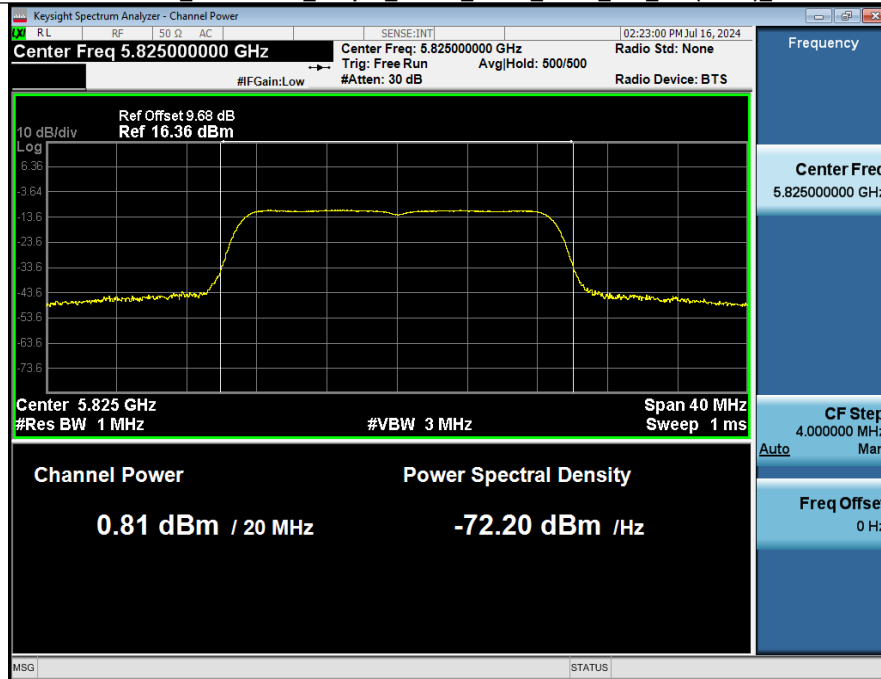
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20)_5745



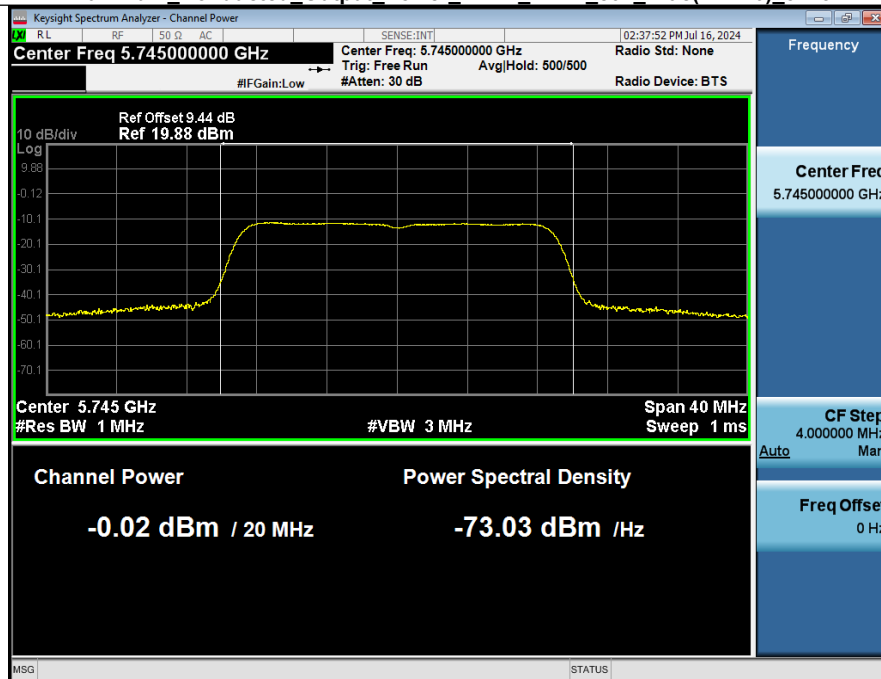
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20)_5785



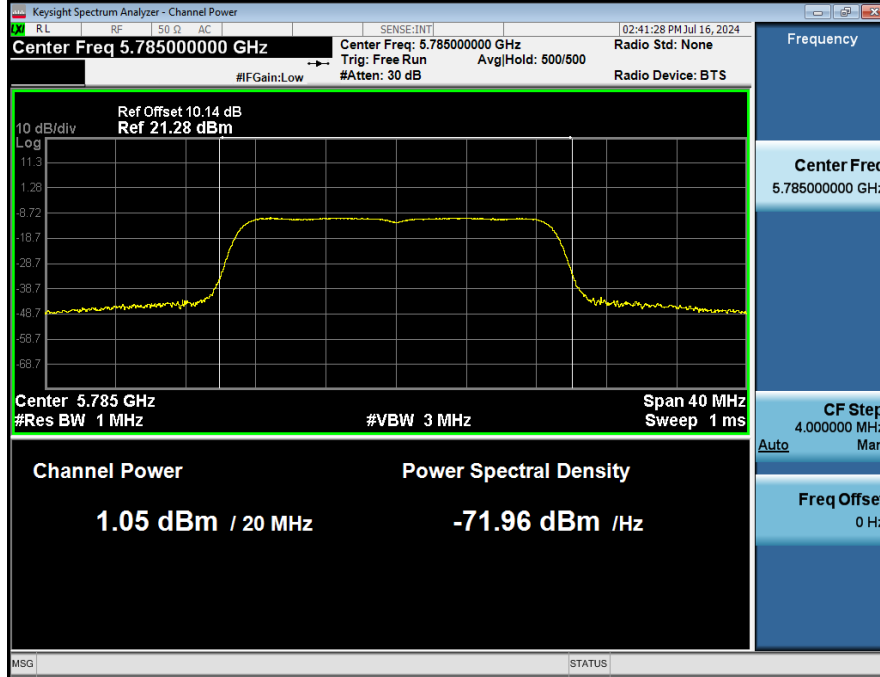
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20)_5825



Maximum Conducted Output Power NVNT_ANT1_802_11ac(VHT20)_5745



Maximum Conducted Output Power_NVNT_ANT1_802_11ac(VHT20)_5785



Maximum Conducted Output Power_NVNT_ANT1_802_11ac(VHT20)_5825

