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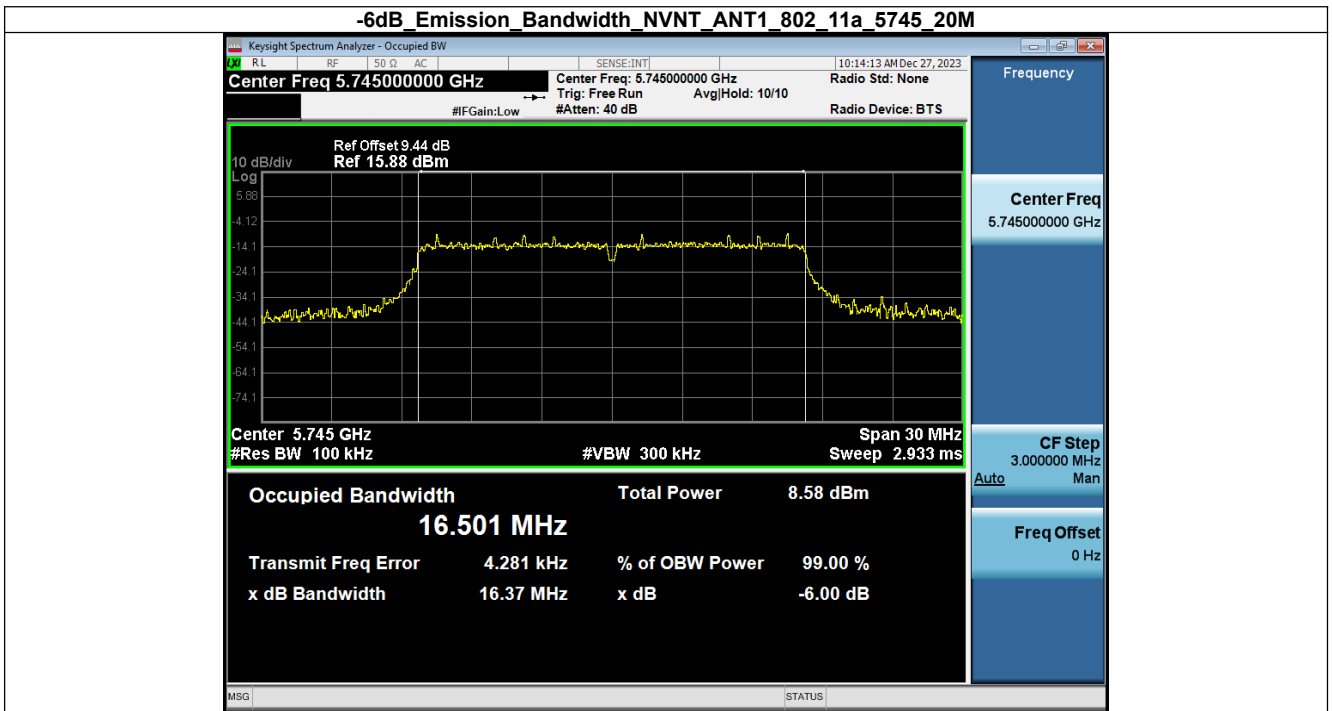
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FCC ID WIFI5.8

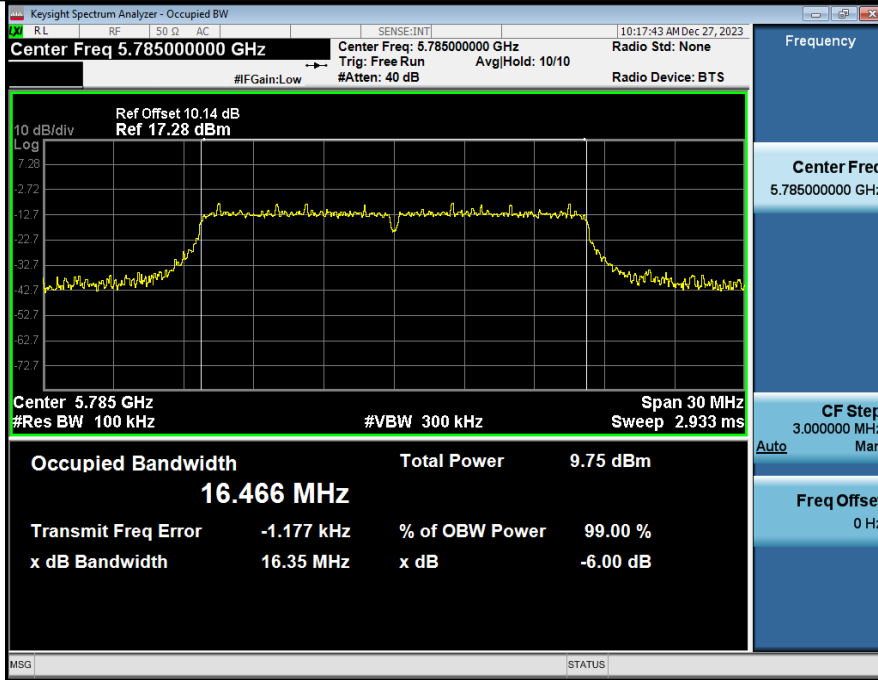
FCC_5.8G_WIFI (Part15.407) Test Data

1. -6dB Emission Bandwidth

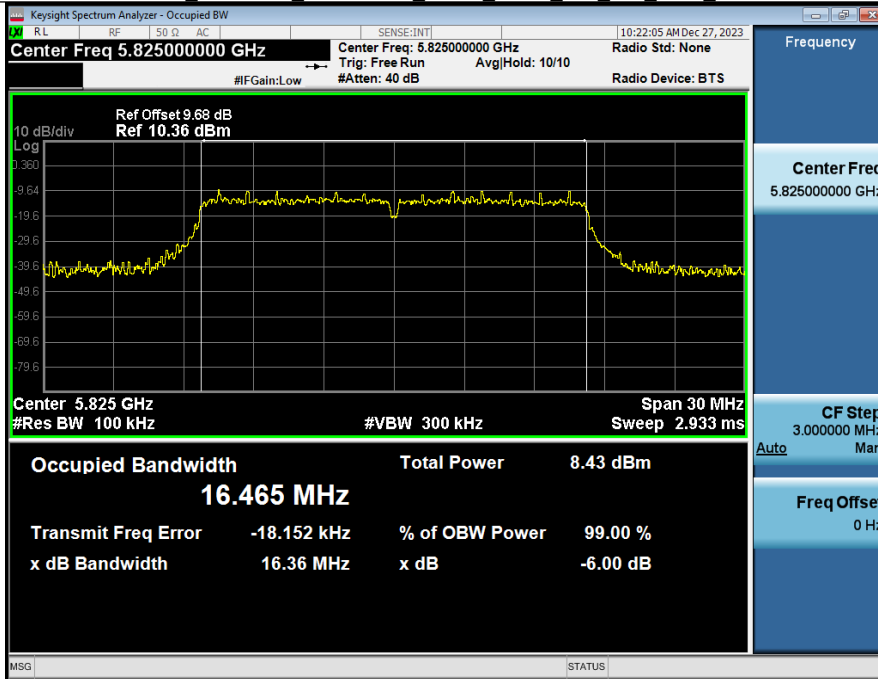
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745.00	16.365	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.350	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.360	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.395	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.146	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.445	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.395	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.295	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.540	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.750	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.871	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.699	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.747	0.500	Pass
NVNT	ANT1	MCH	5775.00	75.395	0.500	Pass



-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5785_20M



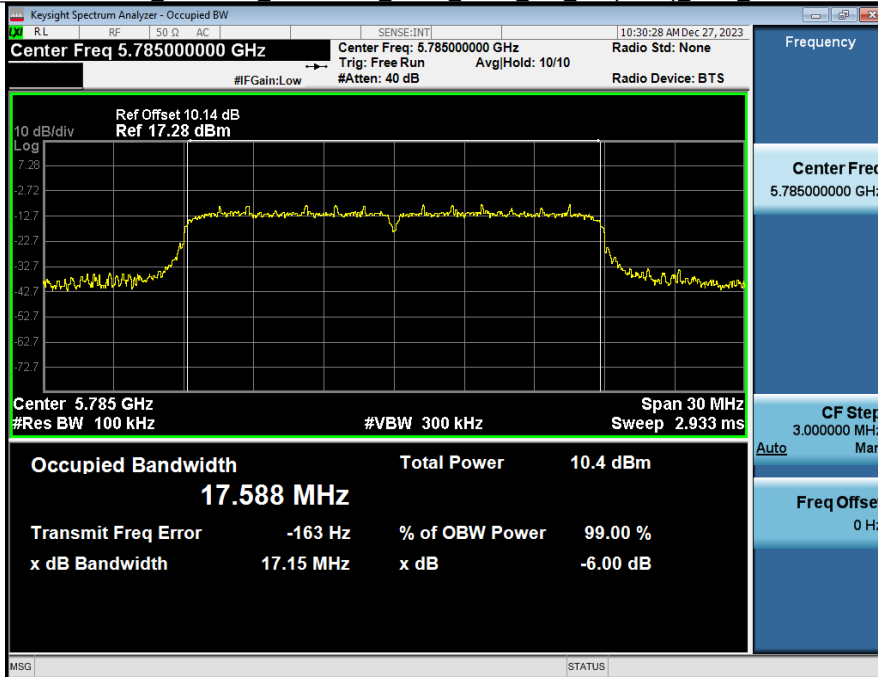
-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5825_20M



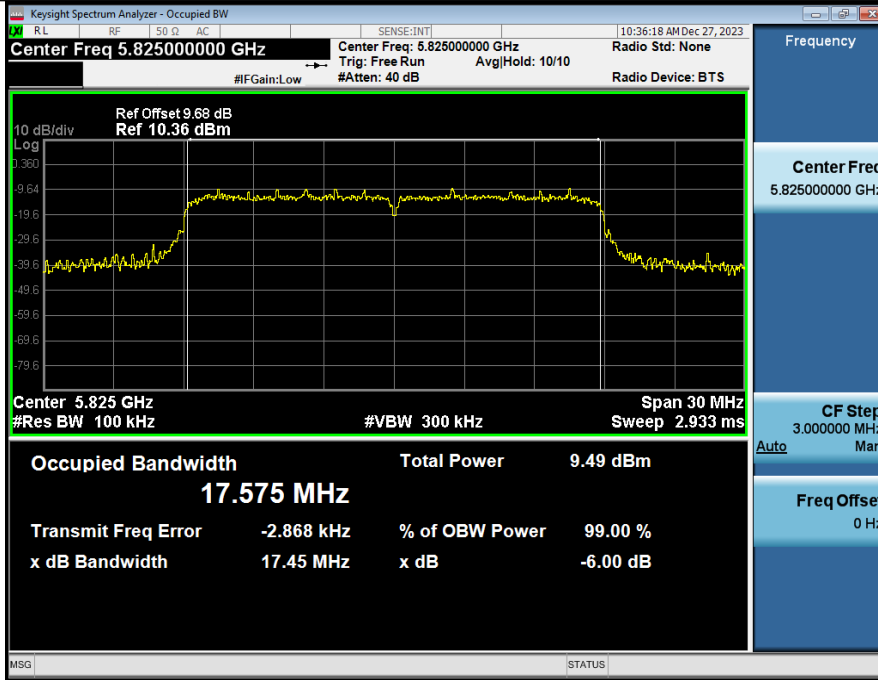
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20) 5745_20M



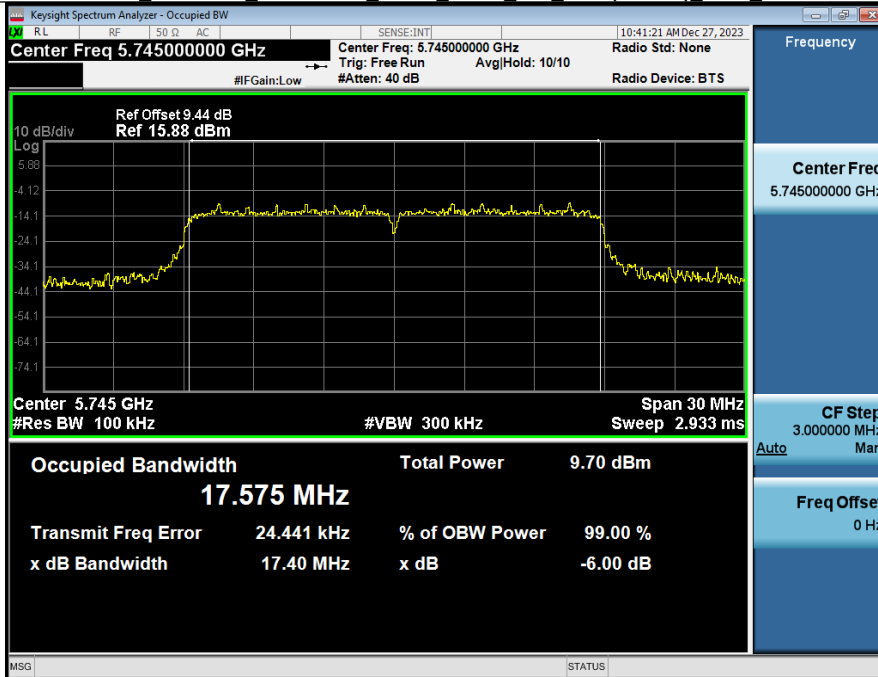
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20) 5785_20M



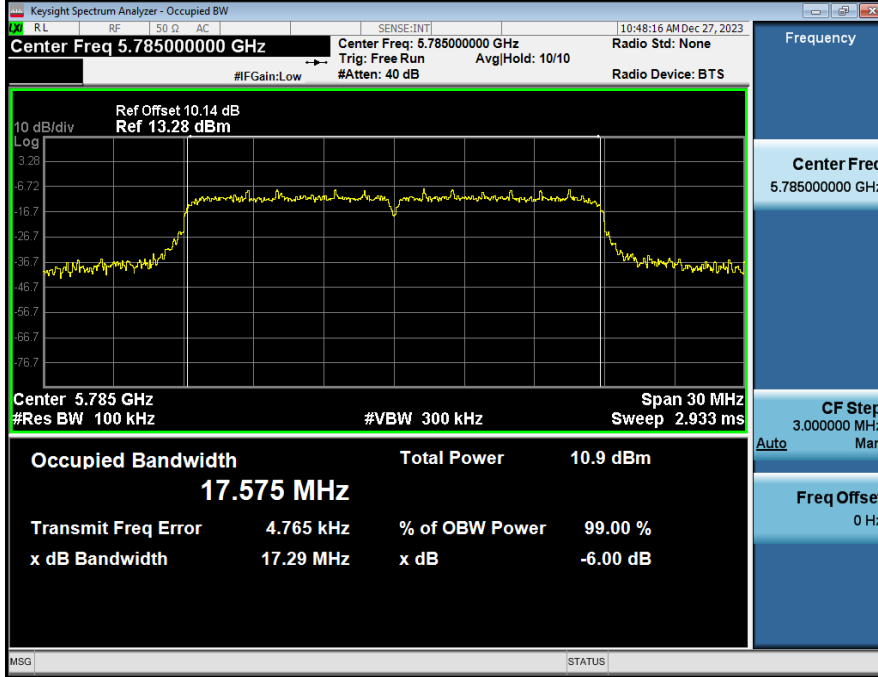
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20) 5825_20M



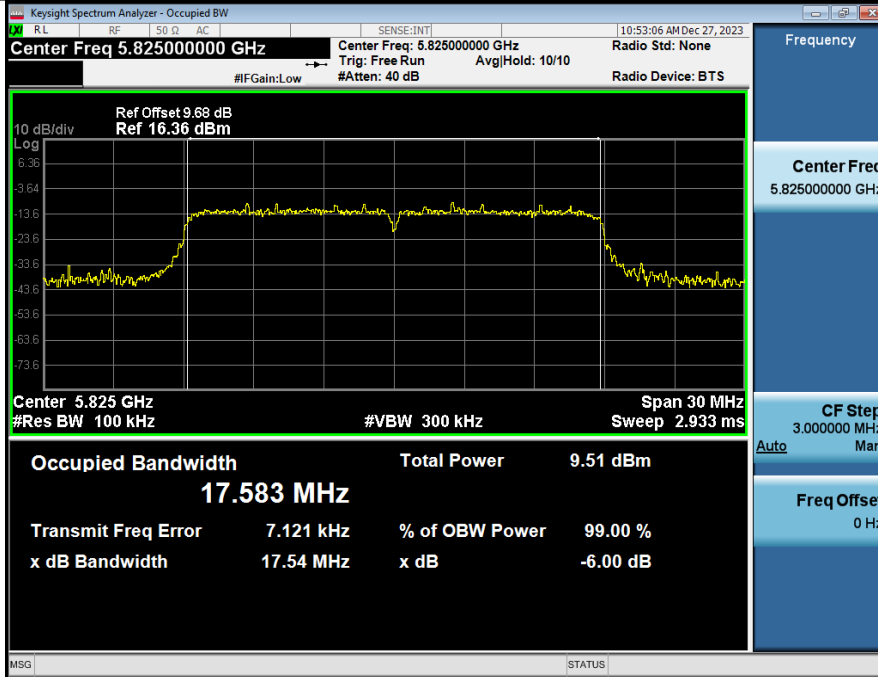
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20) 5745_20M



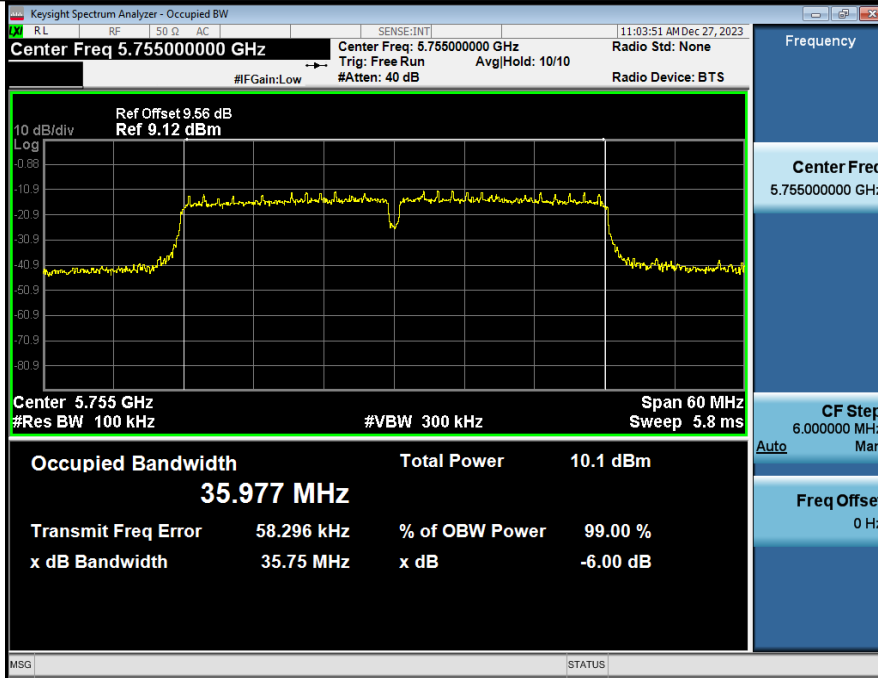
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5785_20M



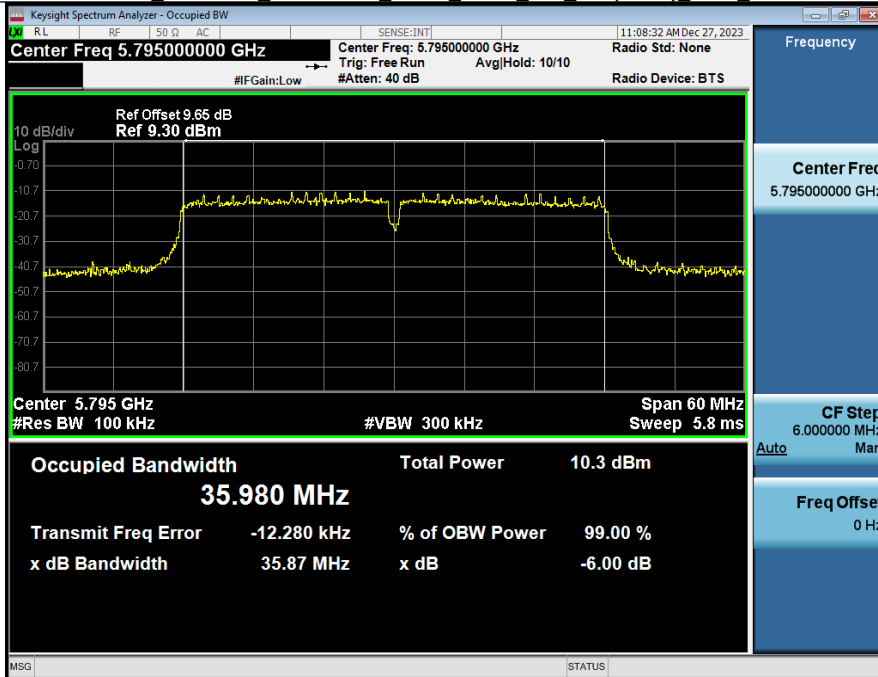
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5825_20M



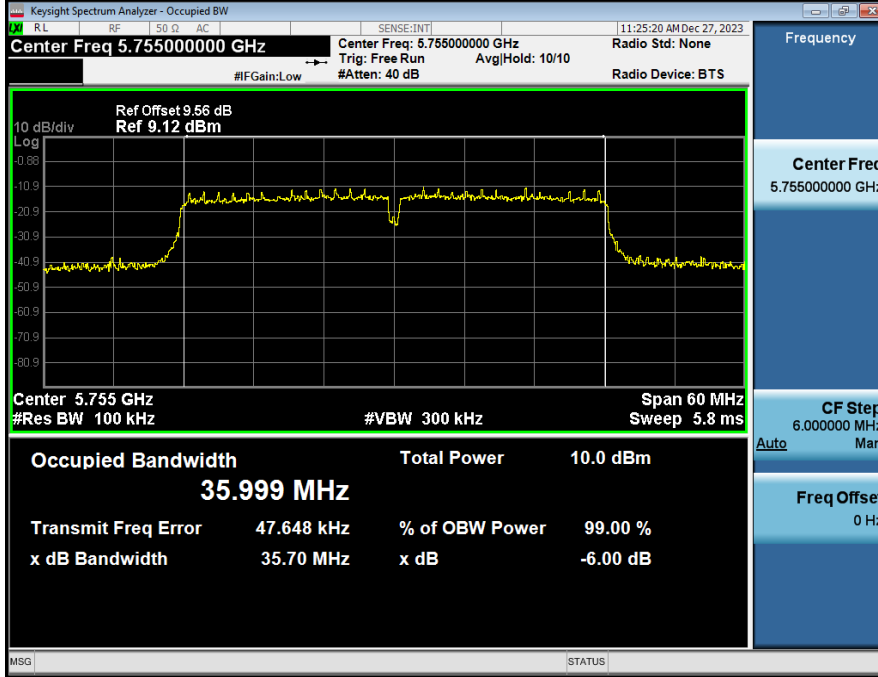
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40) 5755_40M



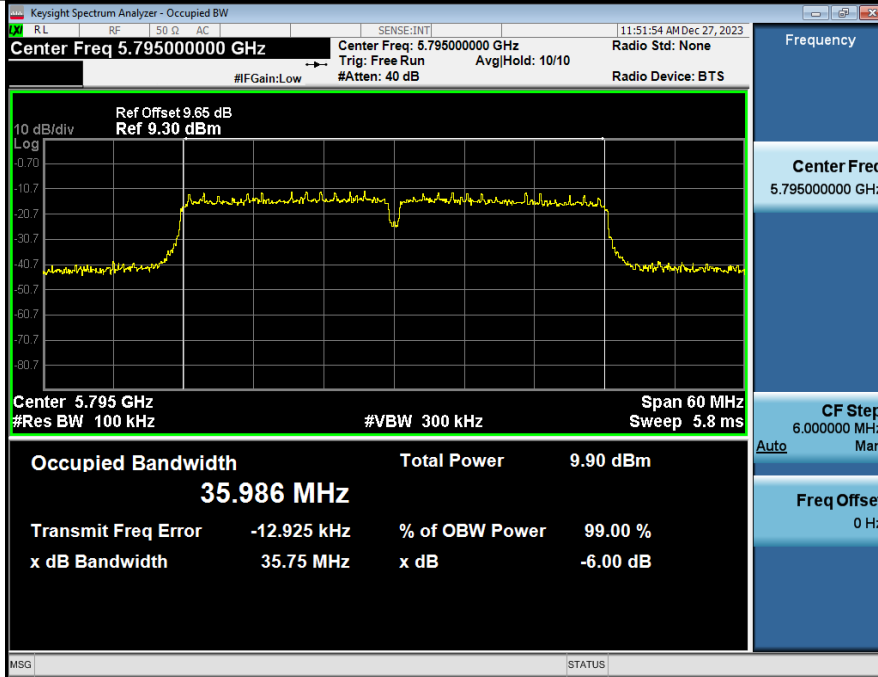
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40) 5795_40M



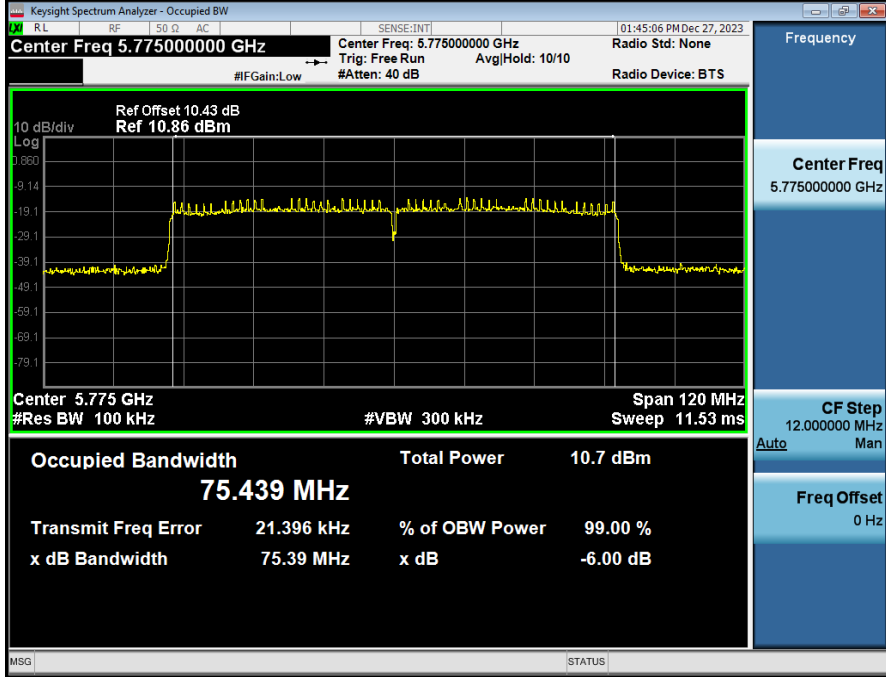
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5755_40M



-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5795_40M

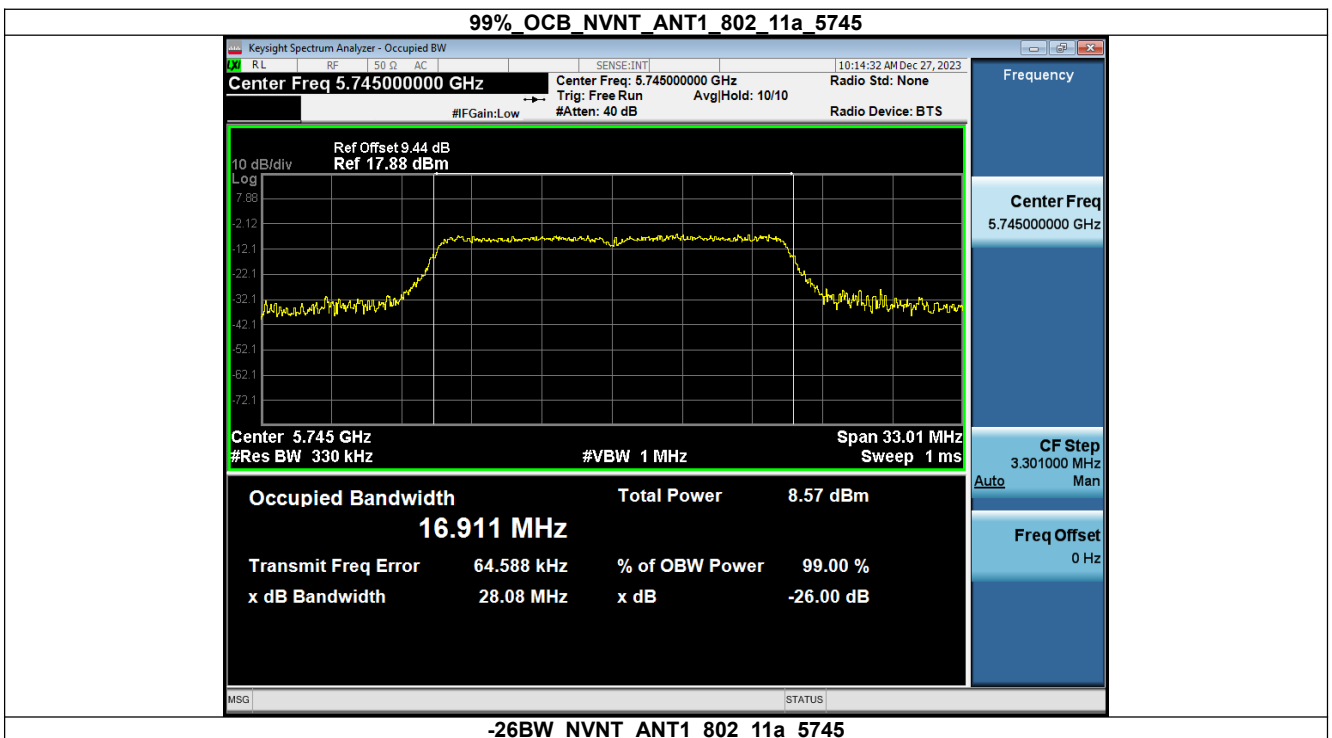


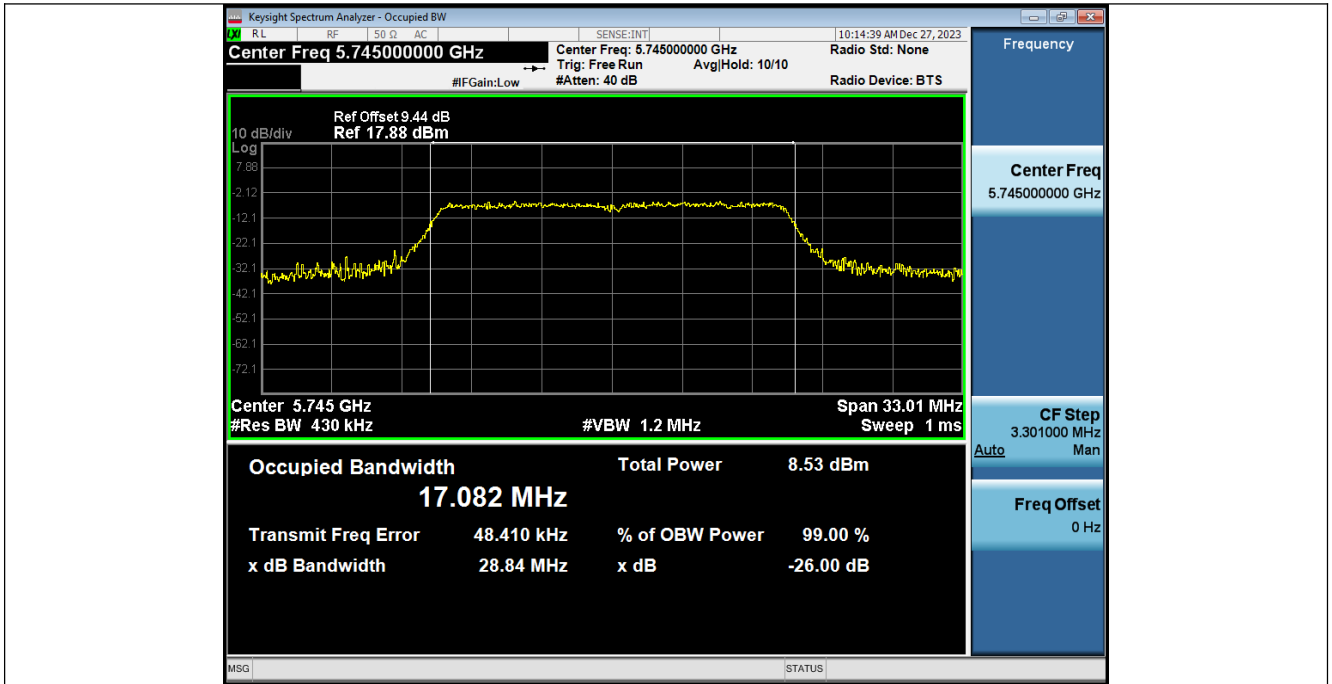
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT80)_5775_80M



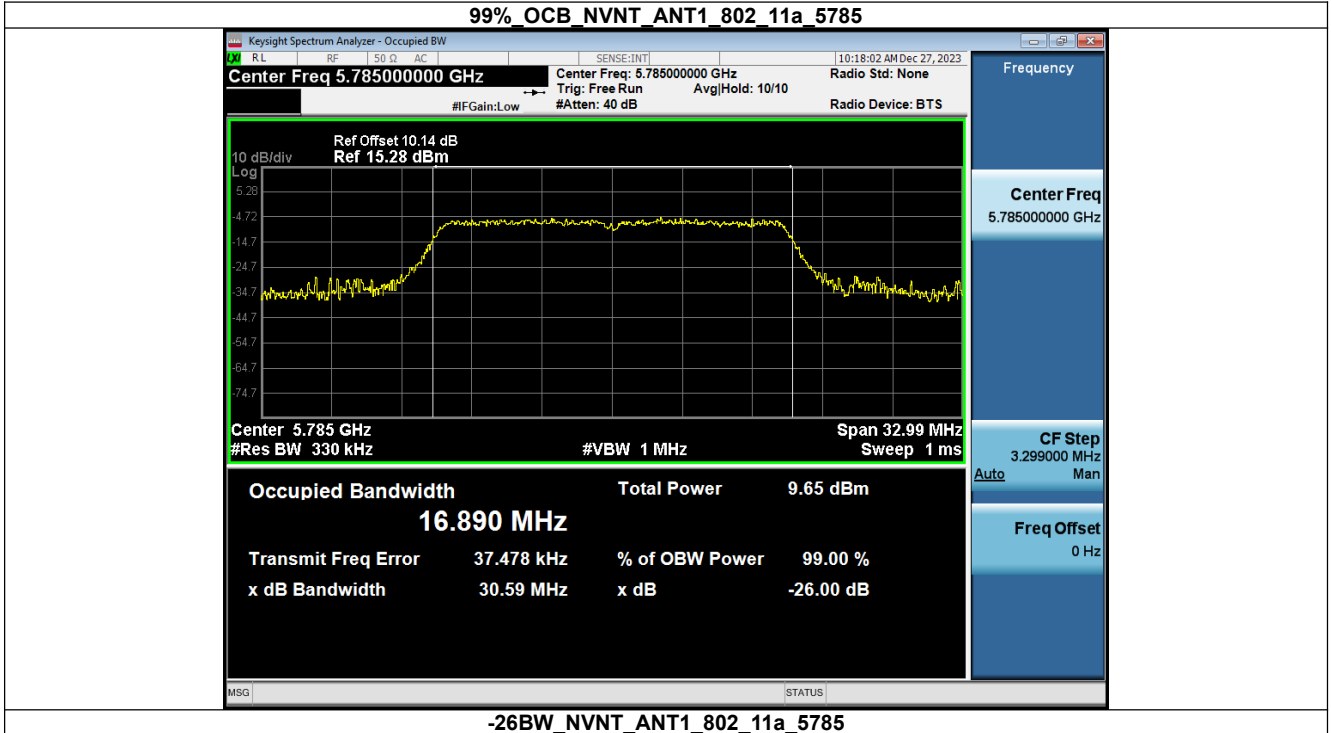
2. -26dB and 99% Emission Bandwidth

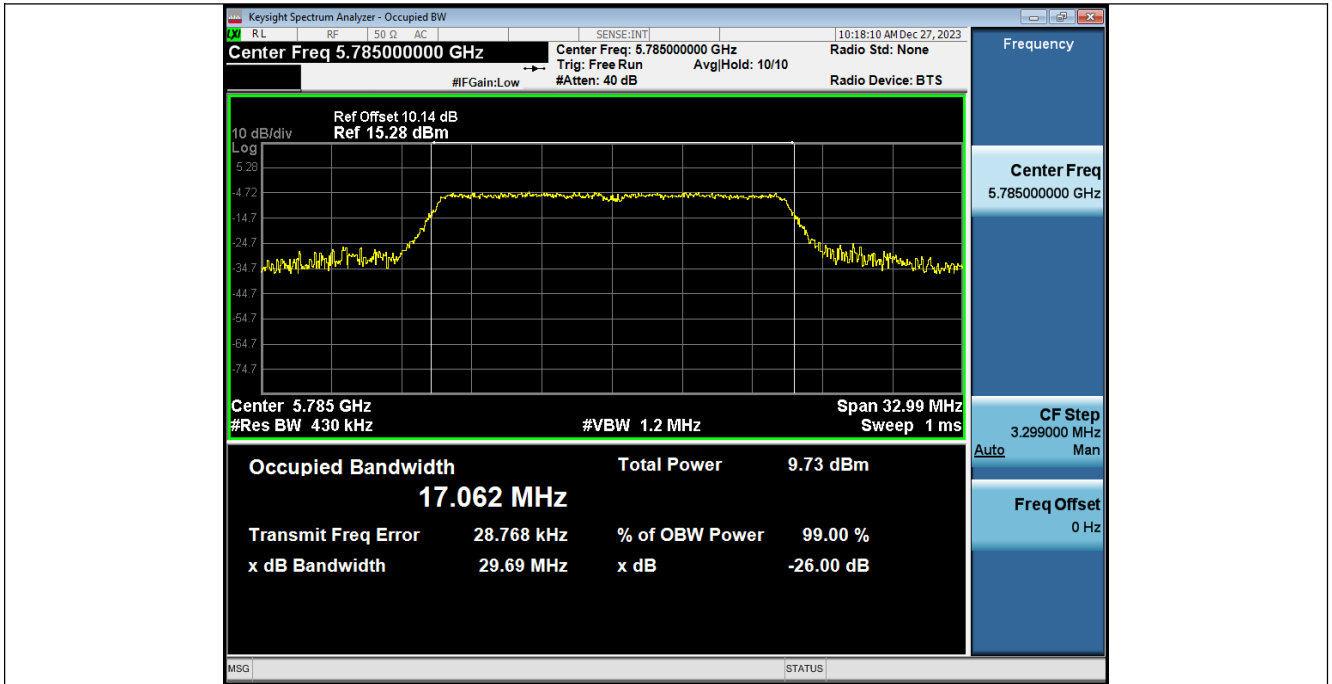
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	28.84	16.91
NVNT	ANT1	802.11a	5785.00	29.69	16.89
NVNT	ANT1	802.11a	5825.00	30.68	16.86
NVNT	ANT1	802.11n(HT20)	5745.00	32.62	17.85
NVNT	ANT1	802.11n(HT20)	5785.00	32.52	17.83
NVNT	ANT1	802.11n(HT20)	5825.00	33.74	17.82
NVNT	ANT1	802.11ac(VHT20)	5745.00	30.34	17.88
NVNT	ANT1	802.11ac(VHT20)	5785.00	30.40	17.78
NVNT	ANT1	802.11ac(VHT20)	5825.00	32.85	17.82
NVNT	ANT1	802.11n(HT40)	5755.00	47.53	36.32
NVNT	ANT1	802.11n(HT40)	5795.00	51.13	36.37
NVNT	ANT1	802.11ac(VHT40)	5755.00	50.96	36.34
NVNT	ANT1	802.11ac(VHT40)	5795.00	52.16	36.33
NVNT	ANT1	802.11ac(VHT80)	5775.00	100.02	75.87



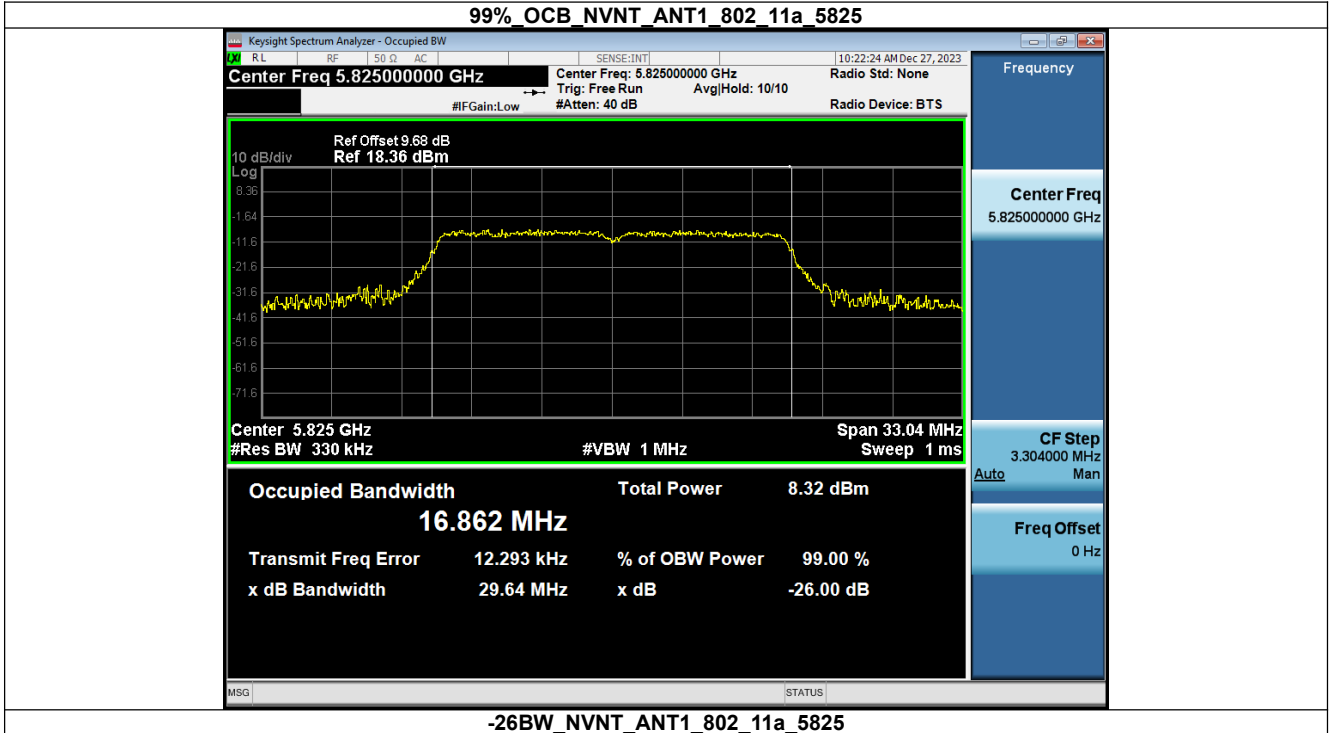


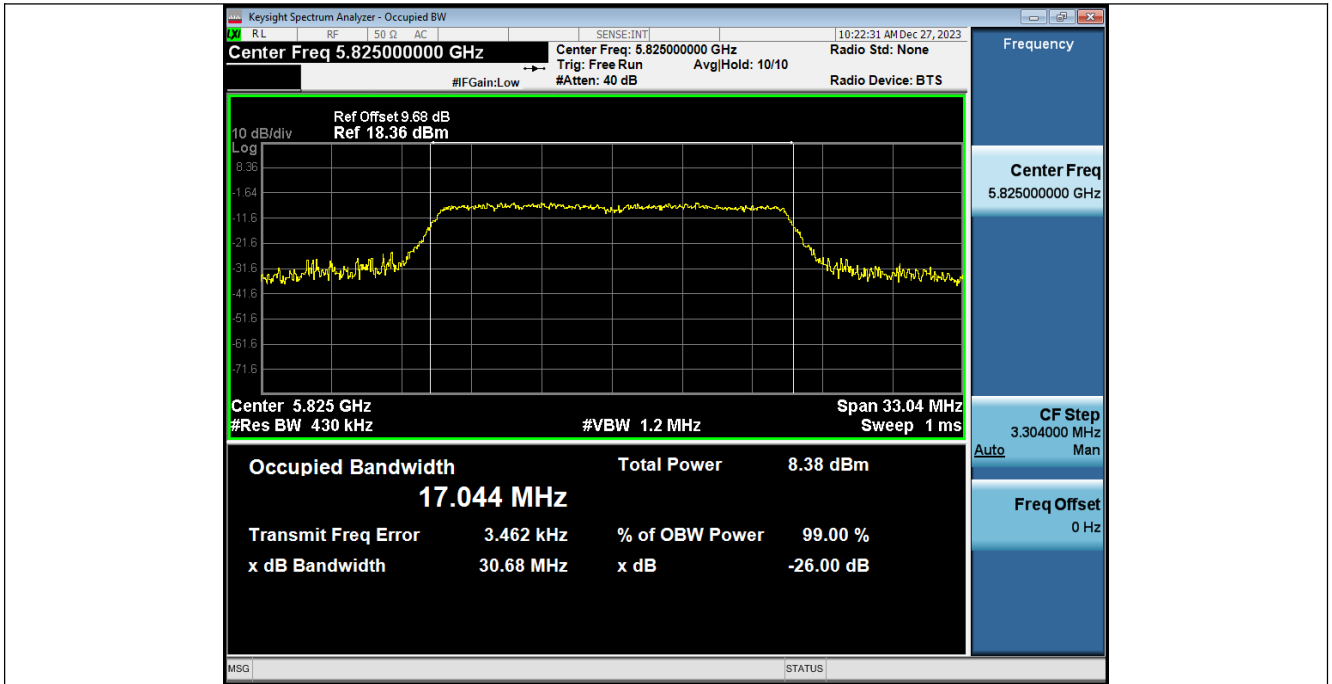
99%_OCB_NVNT_ANT1_802_11a_5785



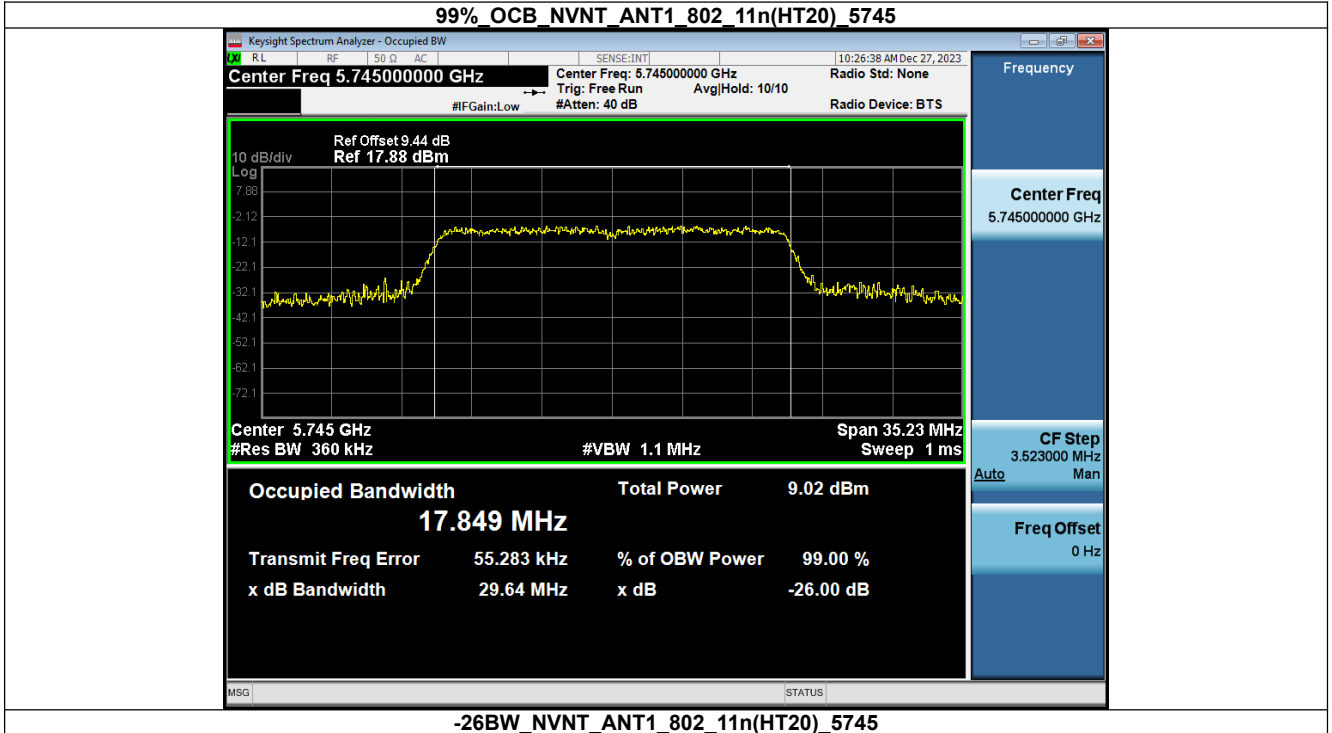


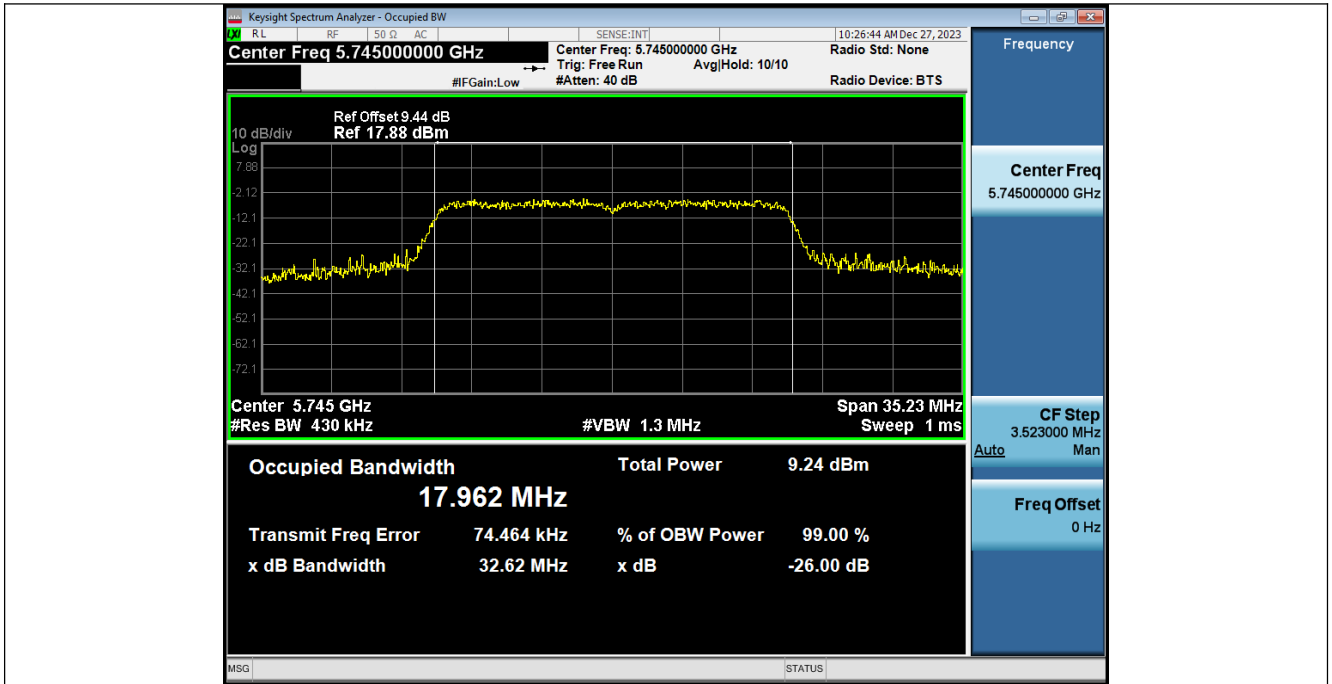
99%_OCB_NVNT_ANT1_802_11a_5825



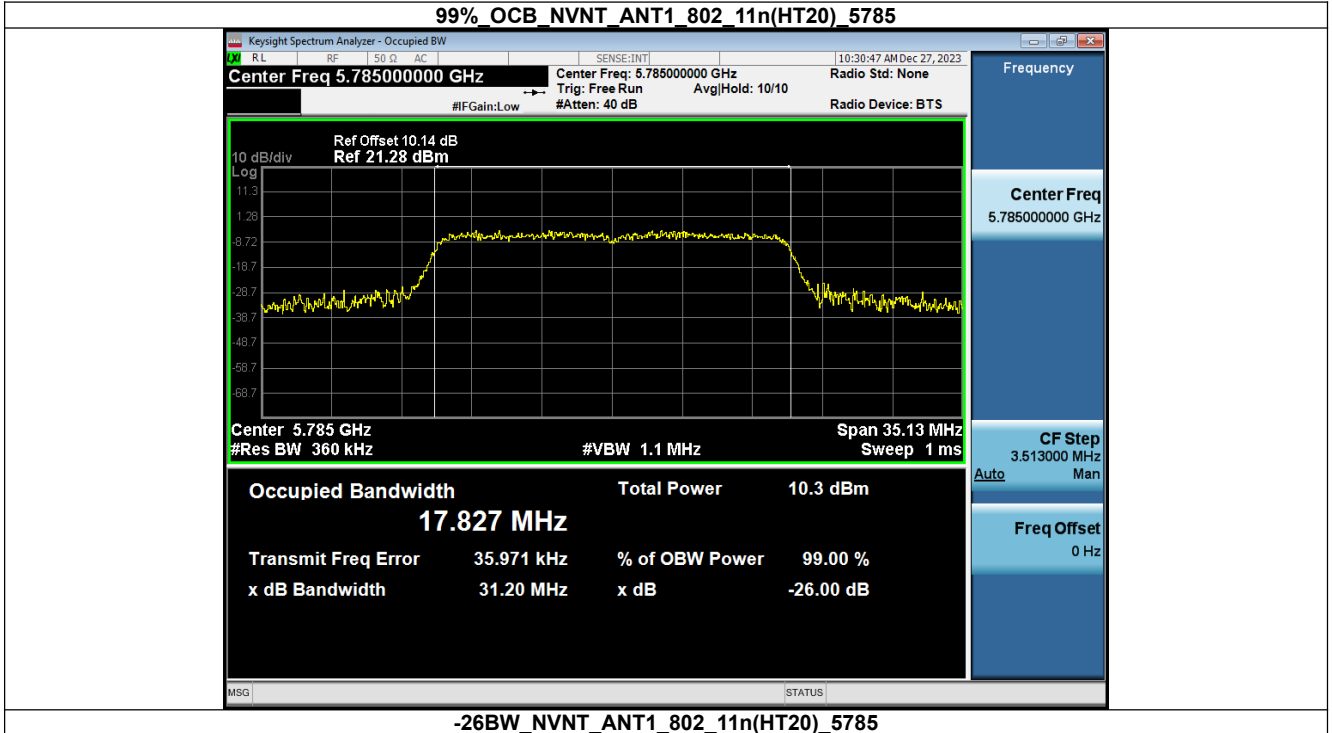


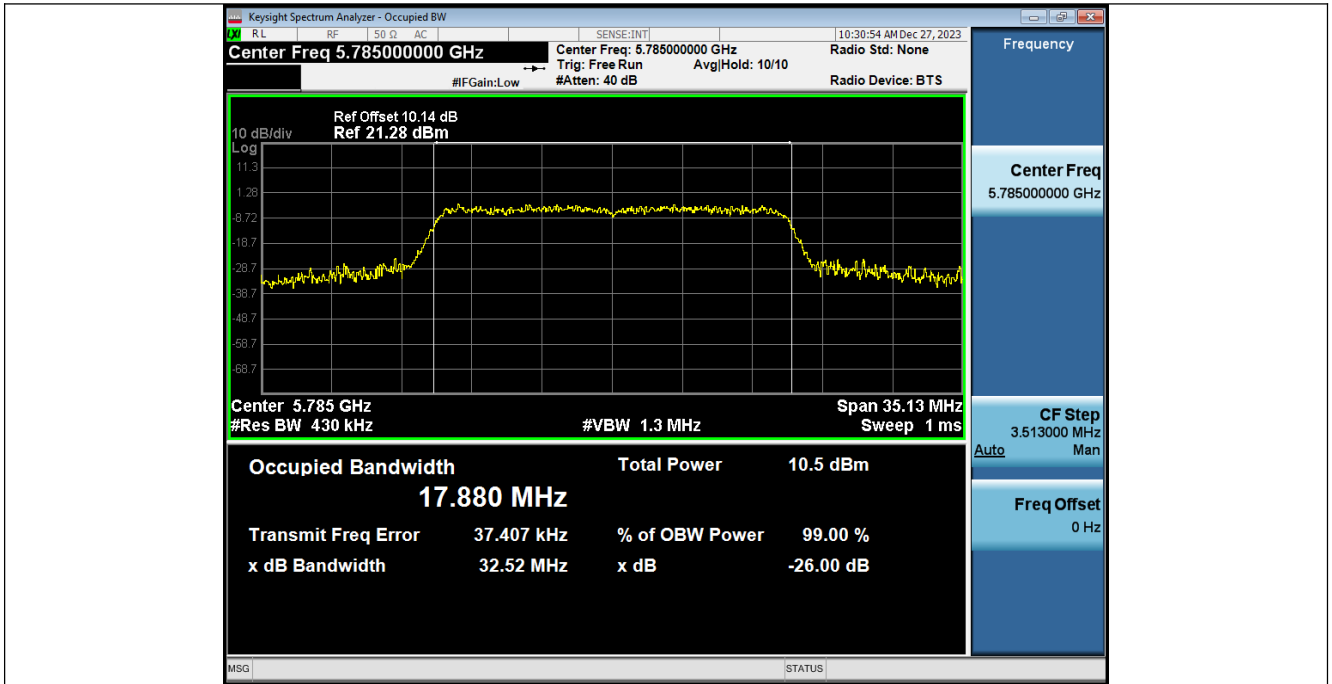
99%_OCB_NVNT_ANT1_802_11n(HT20)_5745



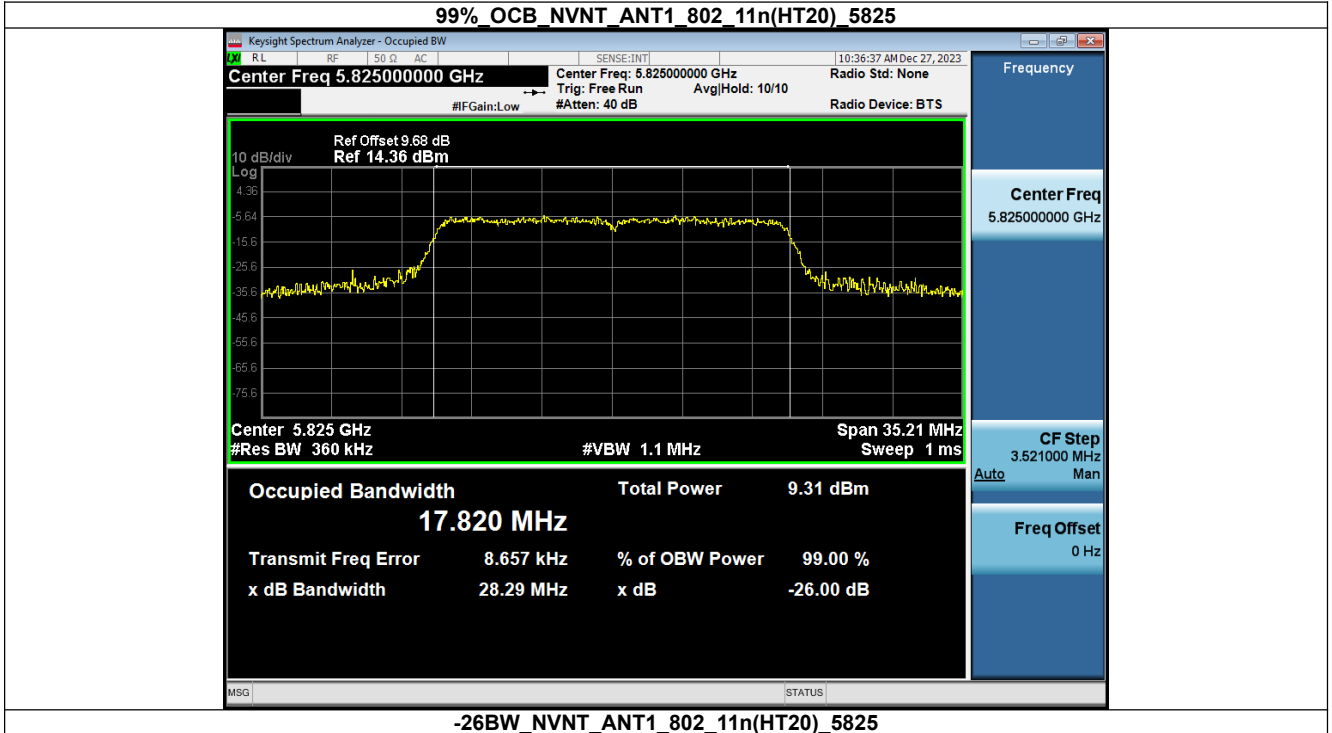


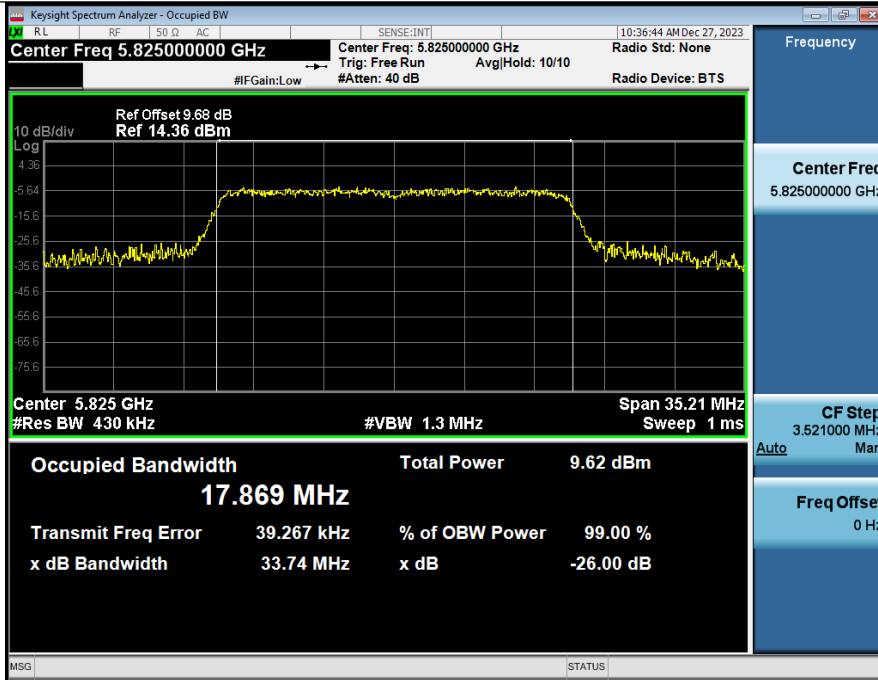
99%_OCB_NVNT_ANT1_802_11n(HT20)_5785



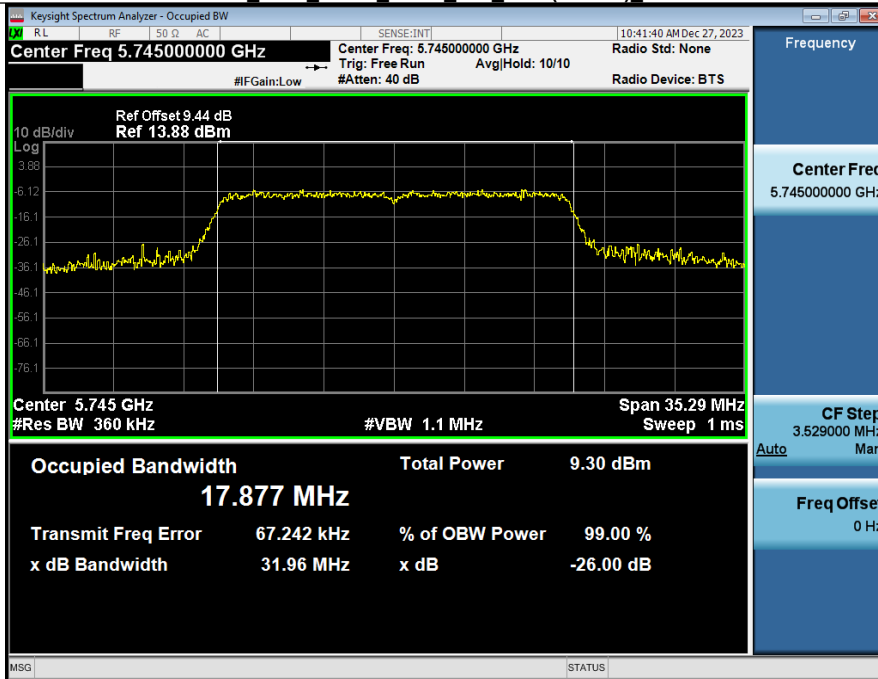


99% OCB NVNT_ANT1_802_11n(HT20)_5825

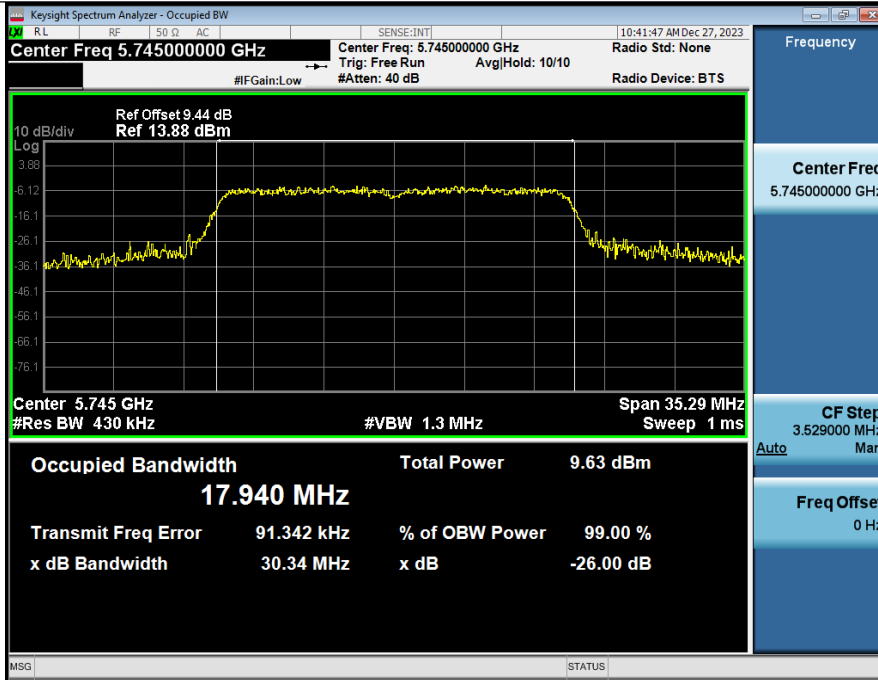




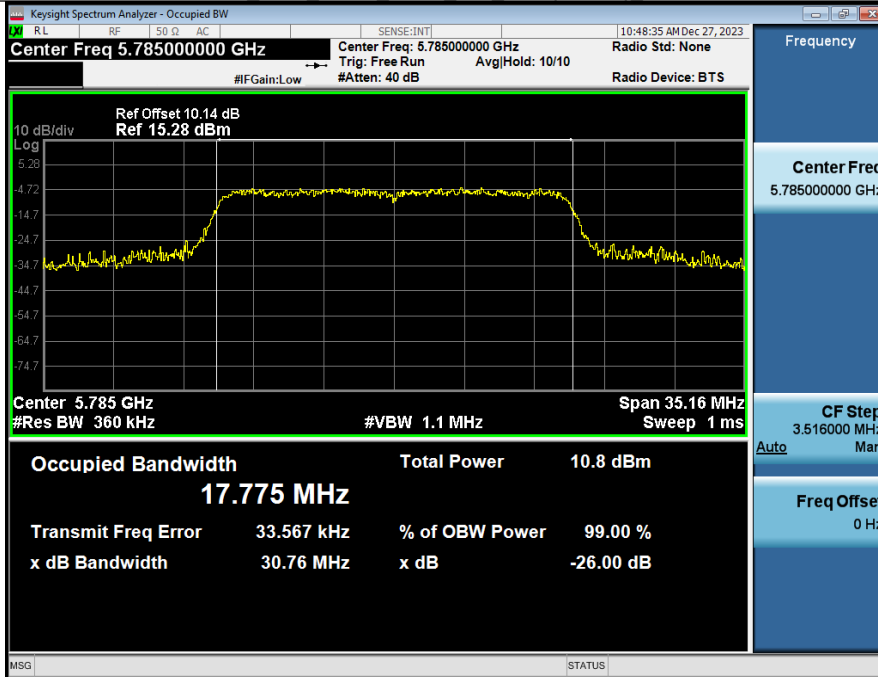
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5745



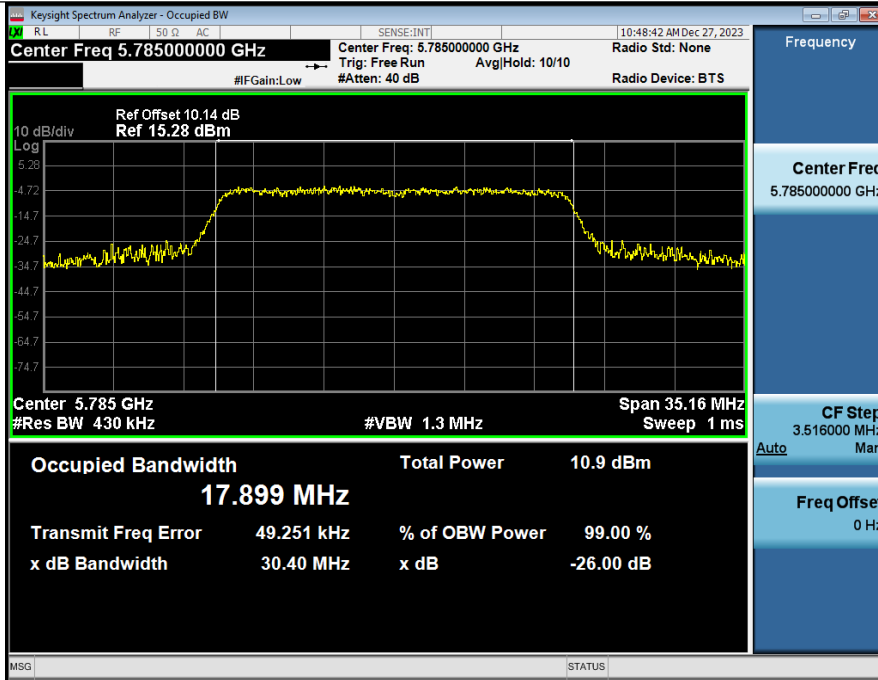
-26BW_NVNT_ANT1_802_11ac(VHT20)_5745



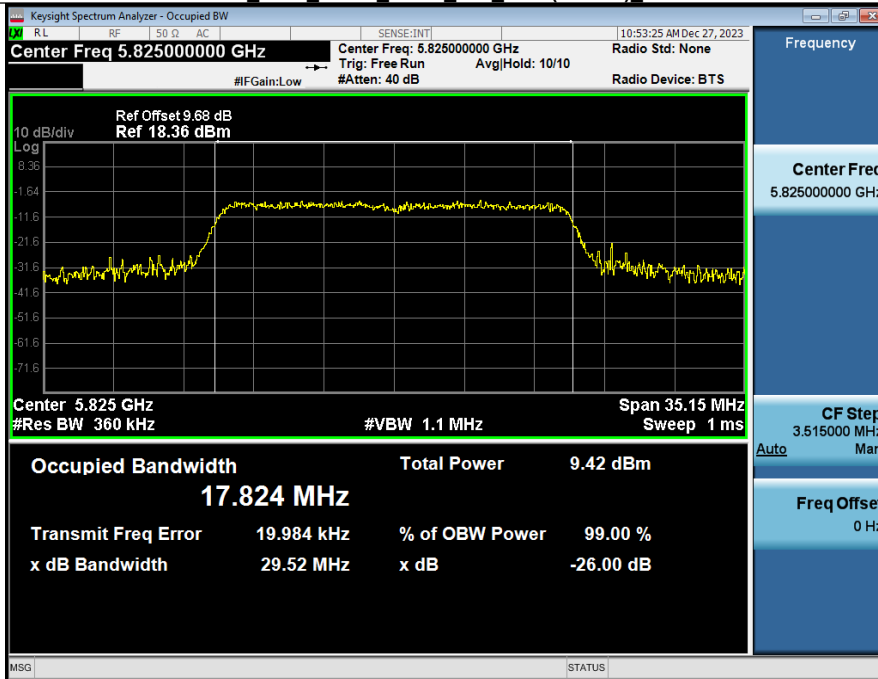
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5785



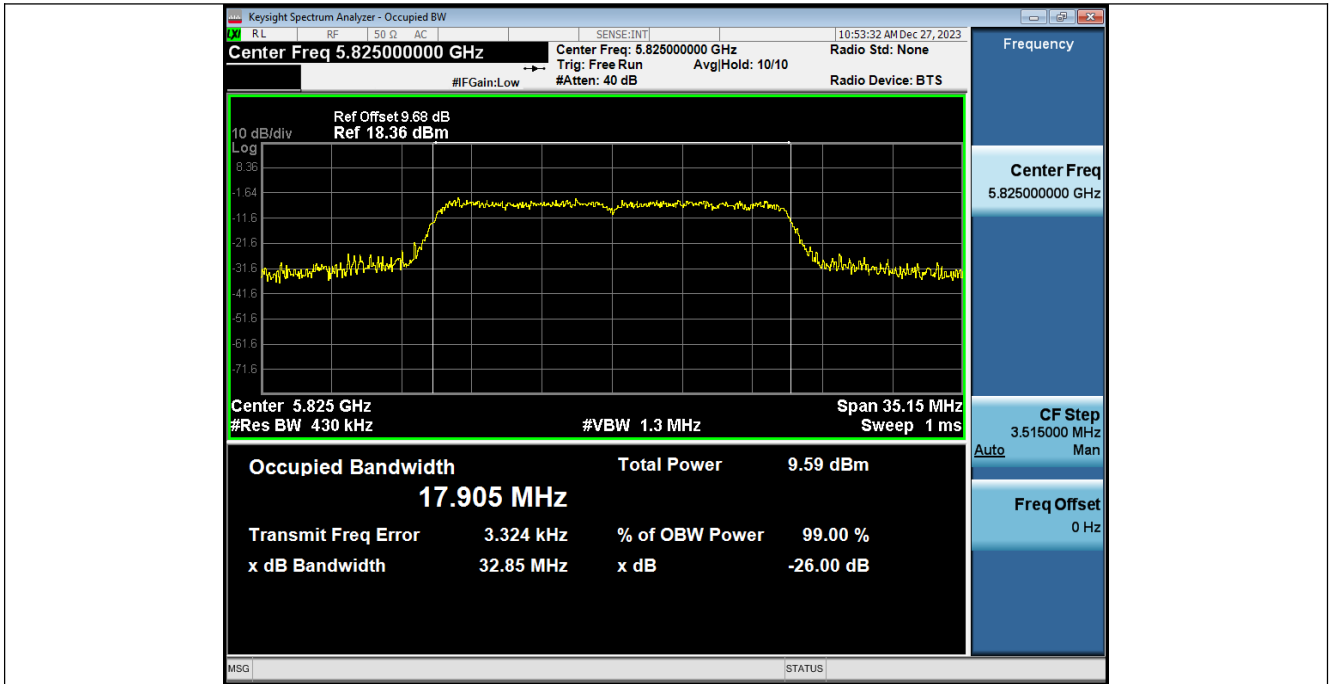
-26BW_NVNT_ANT1_802_11ac(VHT20)_5785



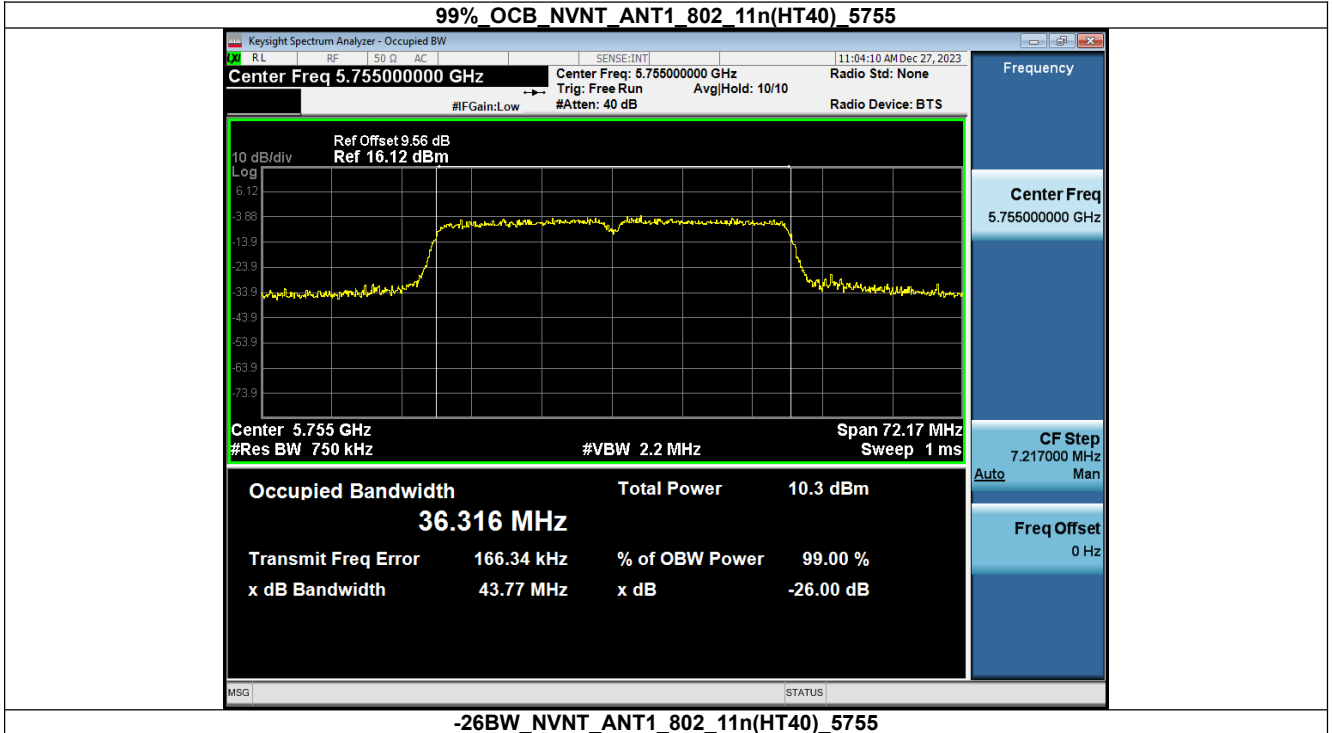
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5825

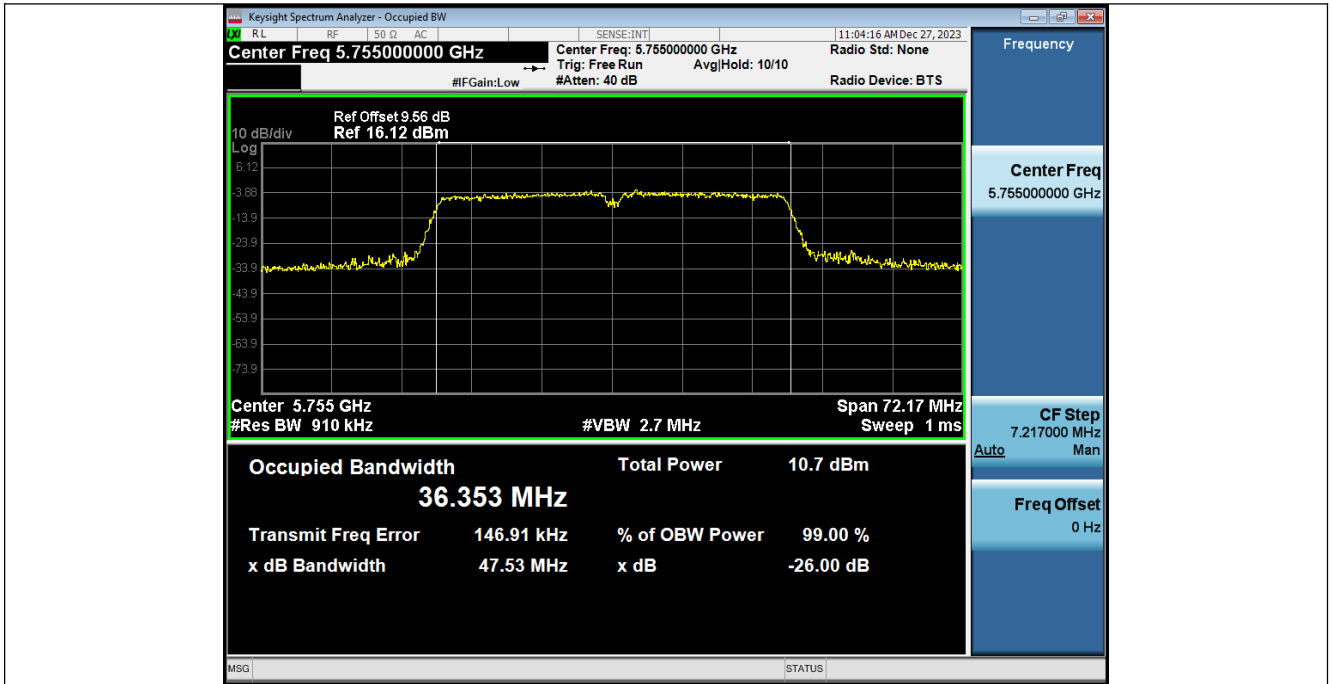


-26BW_NVNT_ANT1_802_11ac(VHT20)_5825

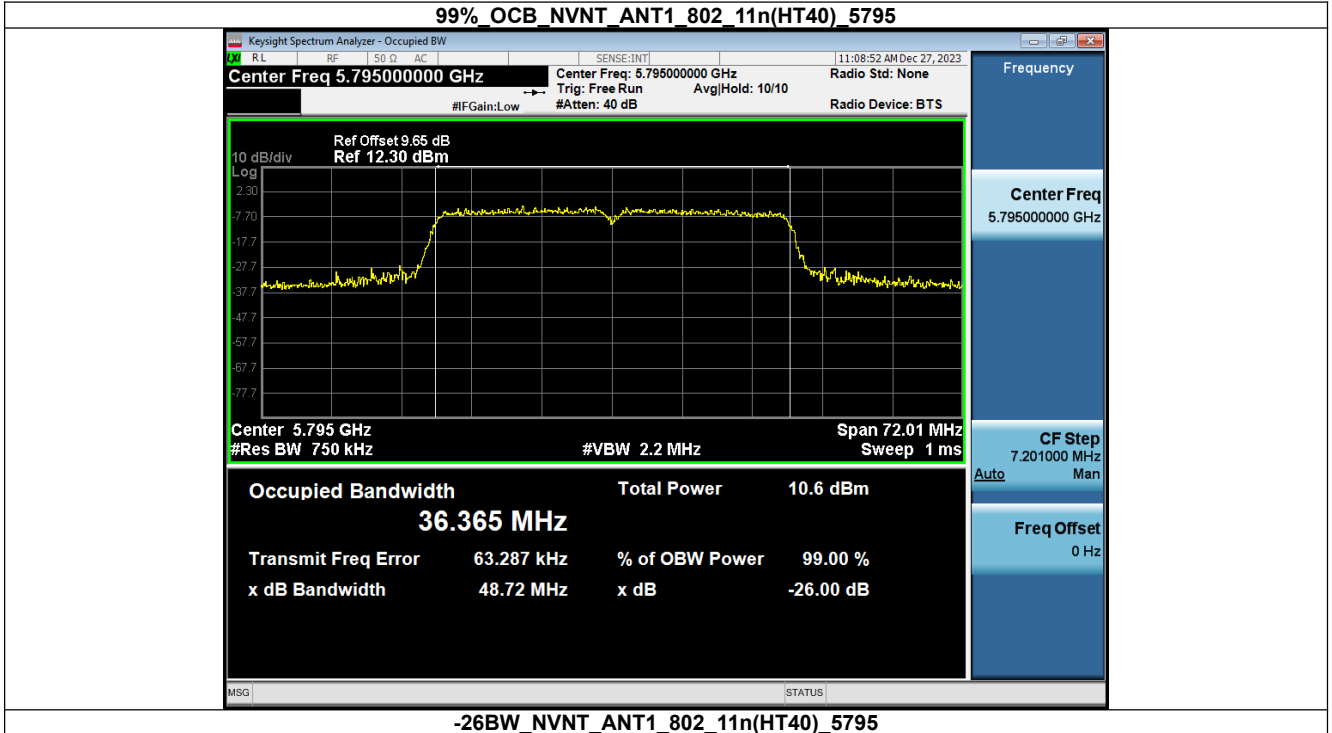


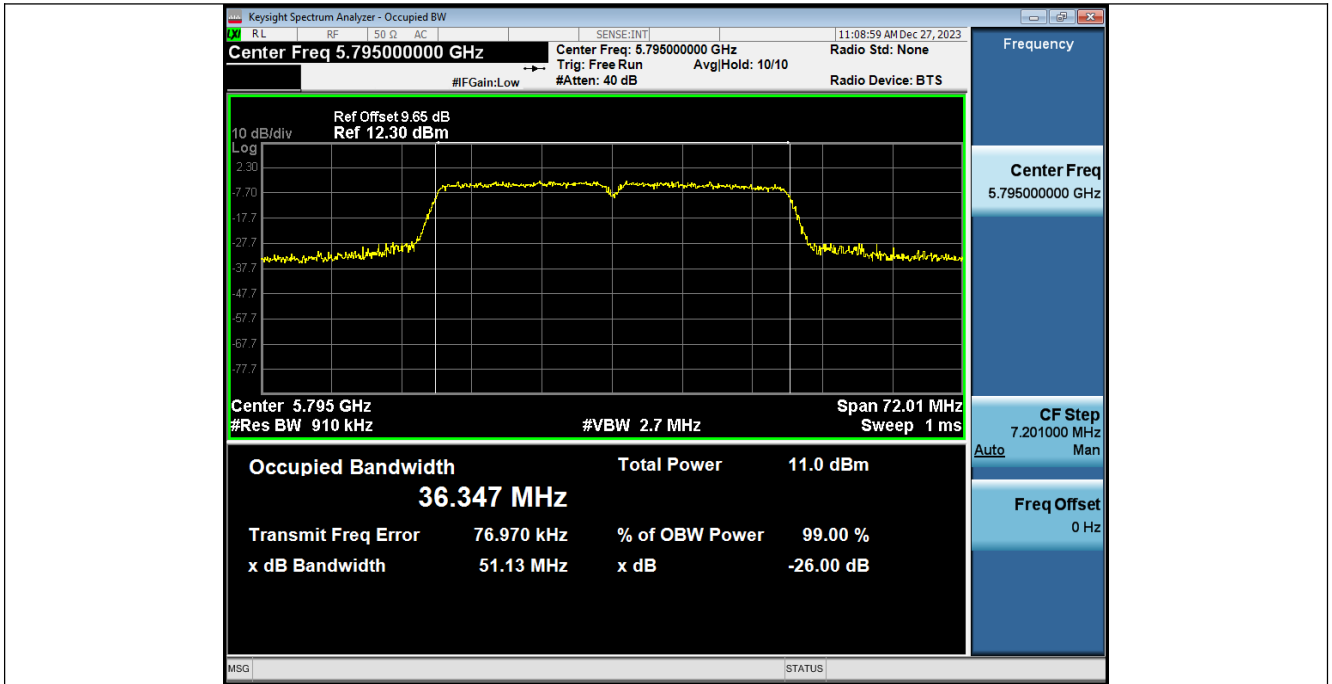
99%_OCB_NVNT_ANT1_802_11n(HT40)_5755



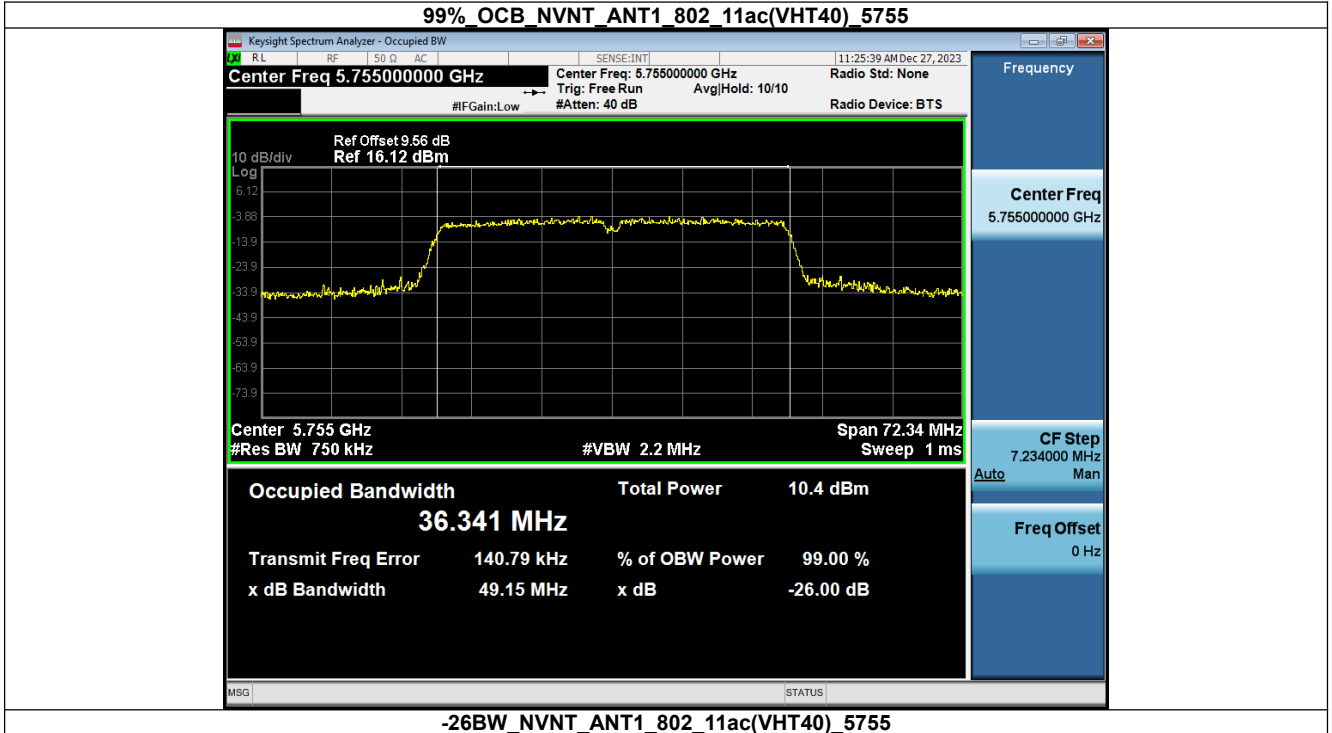


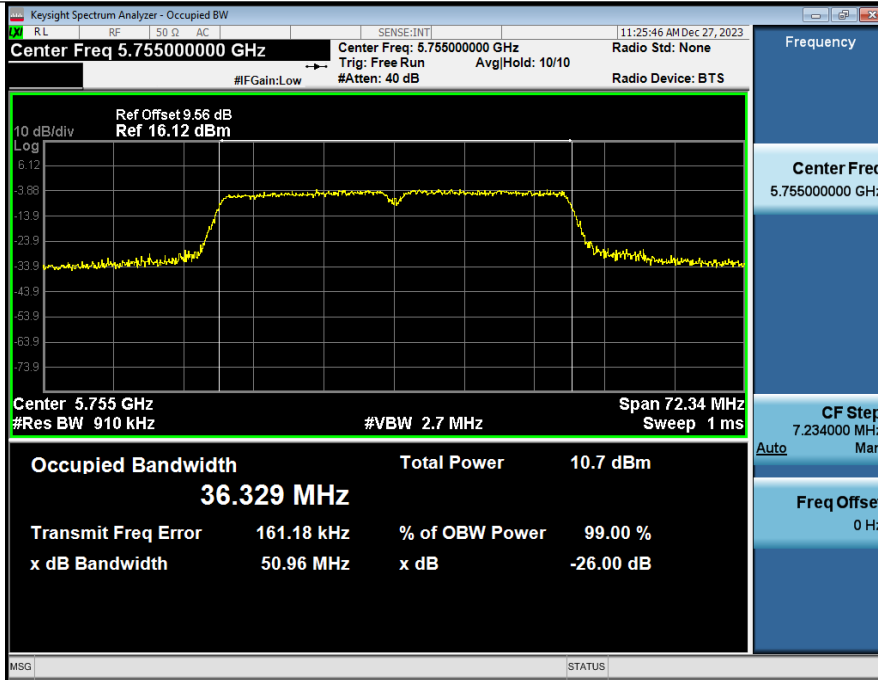
99%_OCB_NVNT_ANT1_802_11n(HT40)_5795



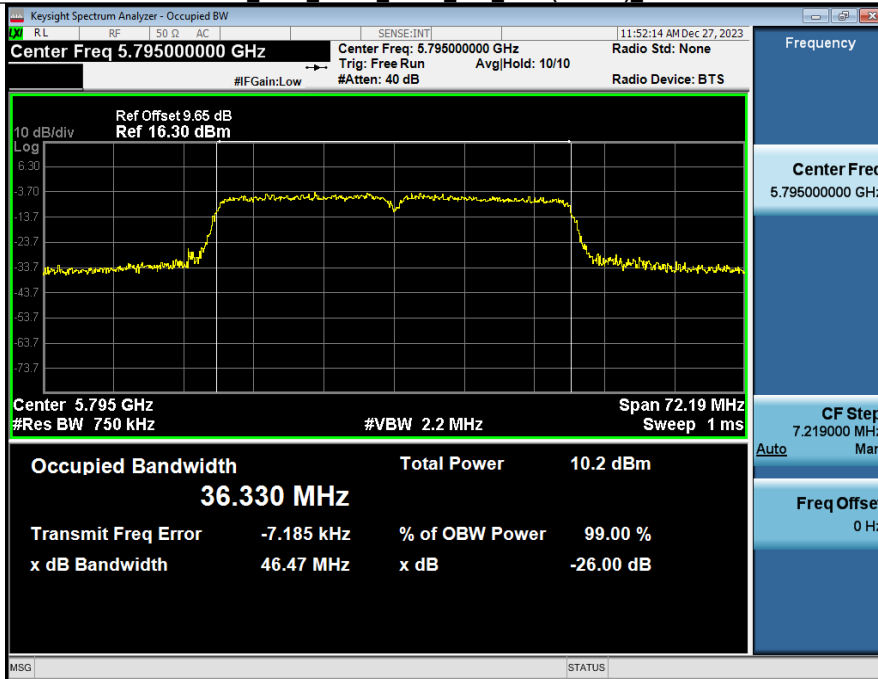


99% OCB_NVNT_ANT1_802_11ac(VHT40)_5755

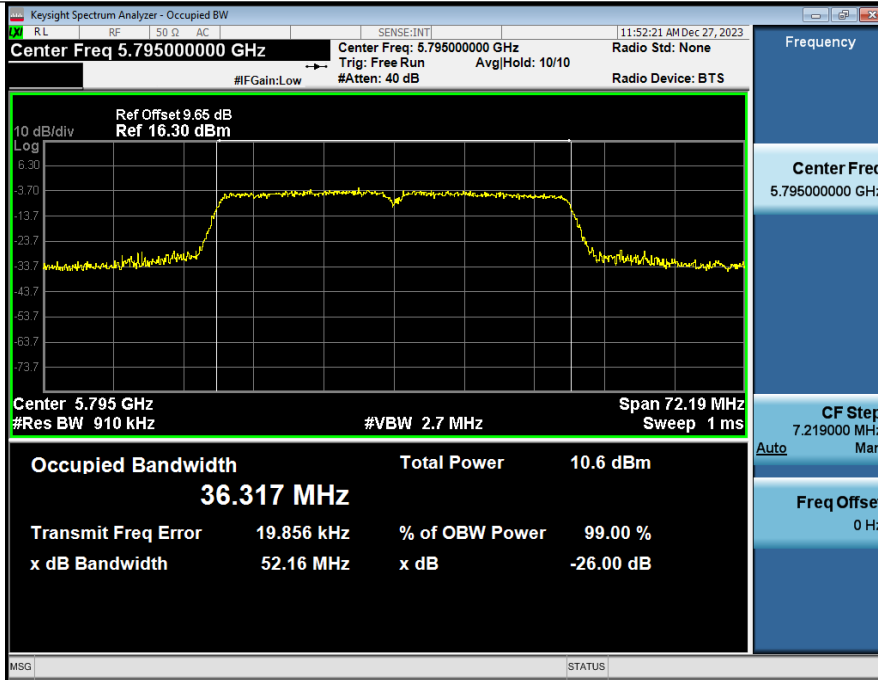




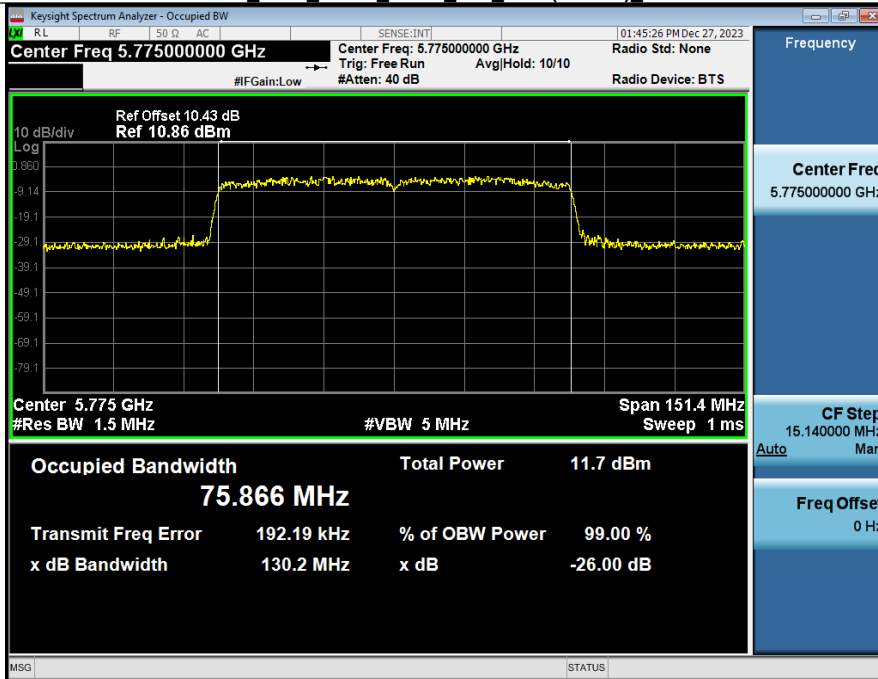
99% OCB_NVNT_ANT1_802_11ac(VHT40)_5795



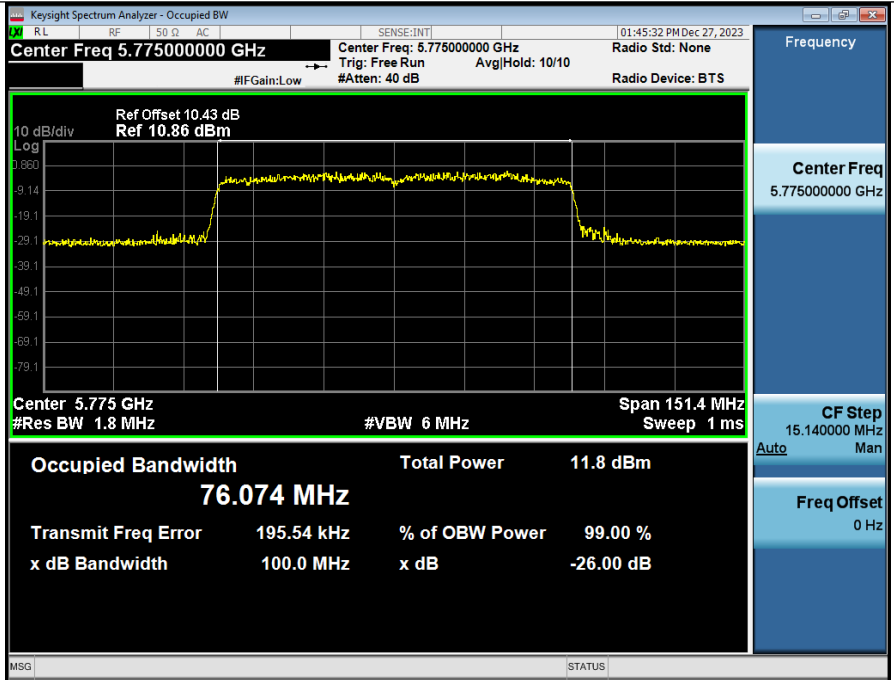
-26BW_NVNT_ANT1_802_11ac(VHT40)_5795



99% OCB_NVNT_ANT1_802_11ac(VHT80)_5775

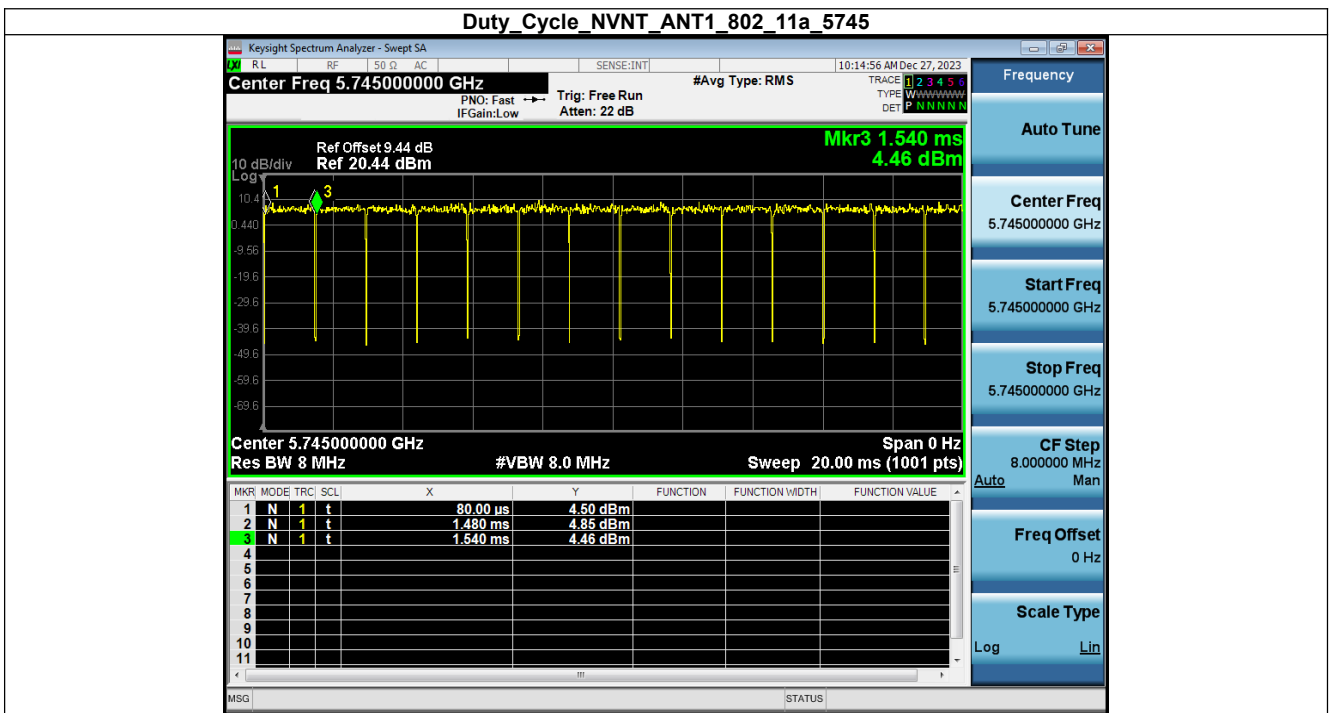


-26BW_NVNT_ANT1_802_11ac(VHT80)_5775

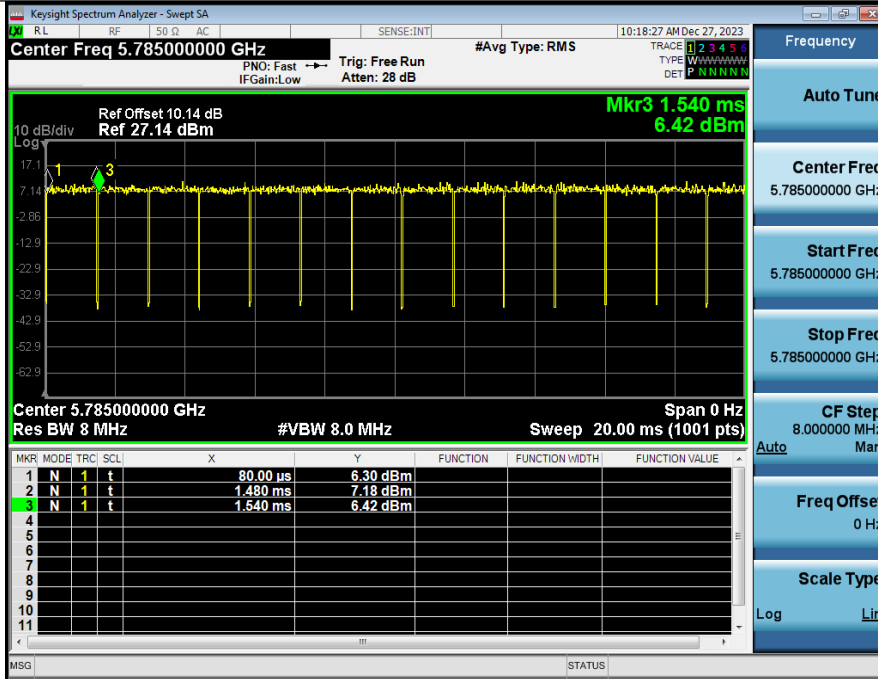


3. Duty Cycle

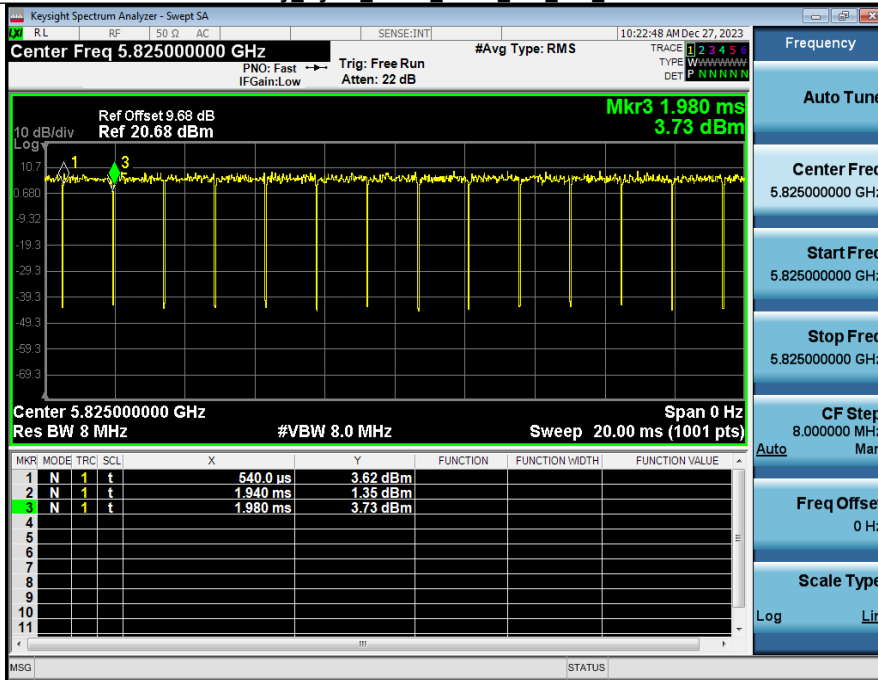
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	95.89	0.18
NVNT	ANT1	802.11a	5785.00	95.89	0.18
NVNT	ANT1	802.11a	5825.00	97.22	0.12
NVNT	ANT1	802.11n(HT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	5785.00	96.72	0.14
NVNT	ANT1	802.11n(HT20)	5825.00	96.72	0.14
NVNT	ANT1	802.11ac(VHT20)	5745.00	95.24	0.21
NVNT	ANT1	802.11ac(VHT20)	5785.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	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	802.11ac(VHT80)	5775.00	83.33	0.79



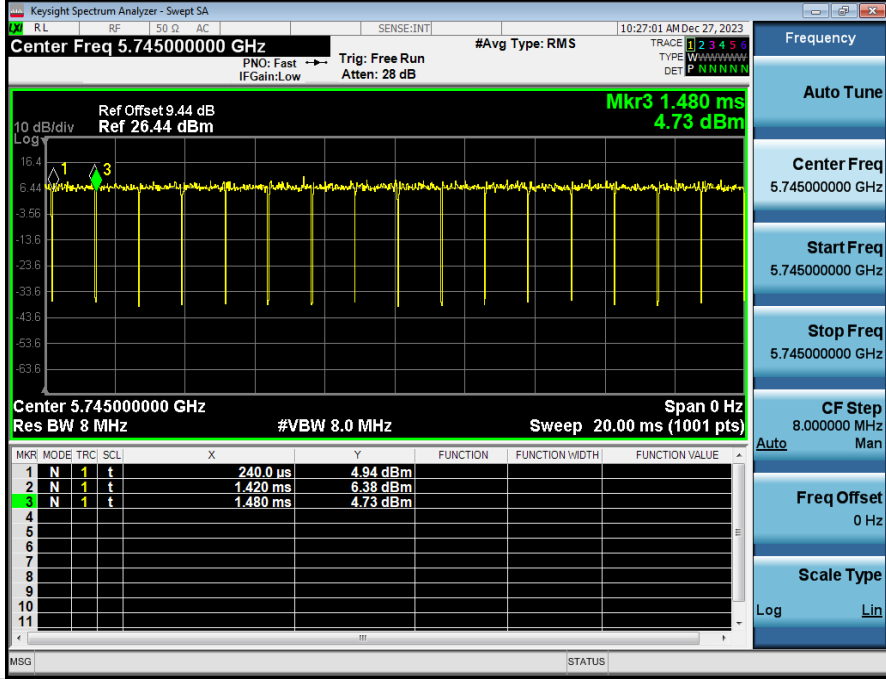
Duty Cycle NVNT_ANT1_802_11a_5785



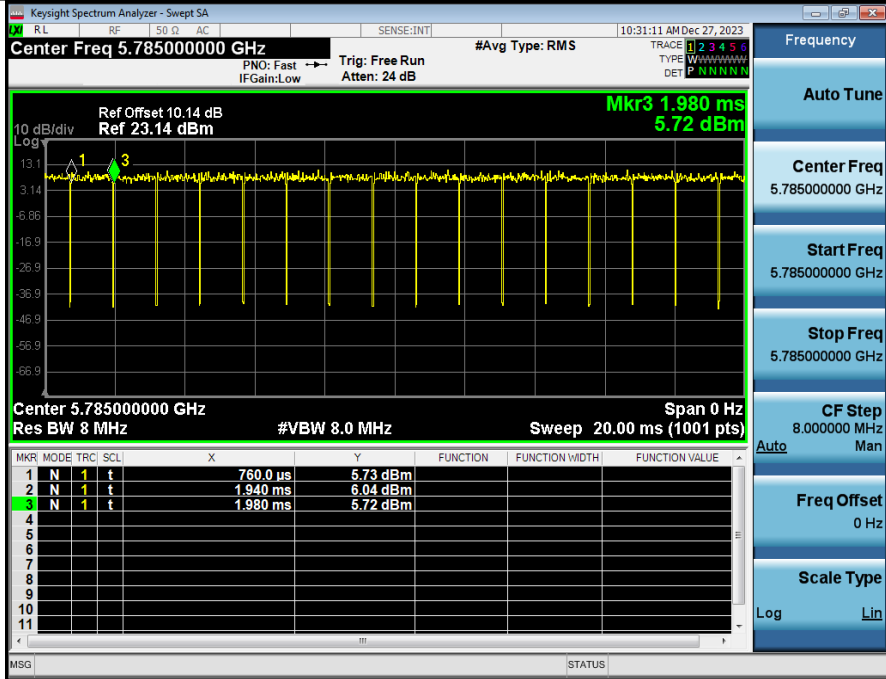
Duty Cycle NVNT_ANT1_802_11a_5825



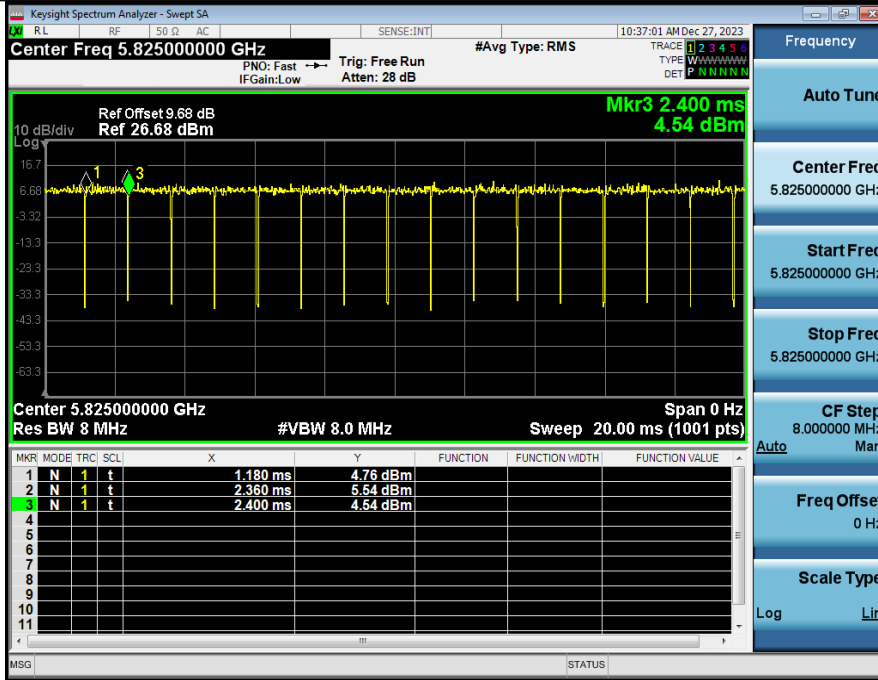
Duty Cycle NVNT_ANT1_802_11n(HT20)_5745



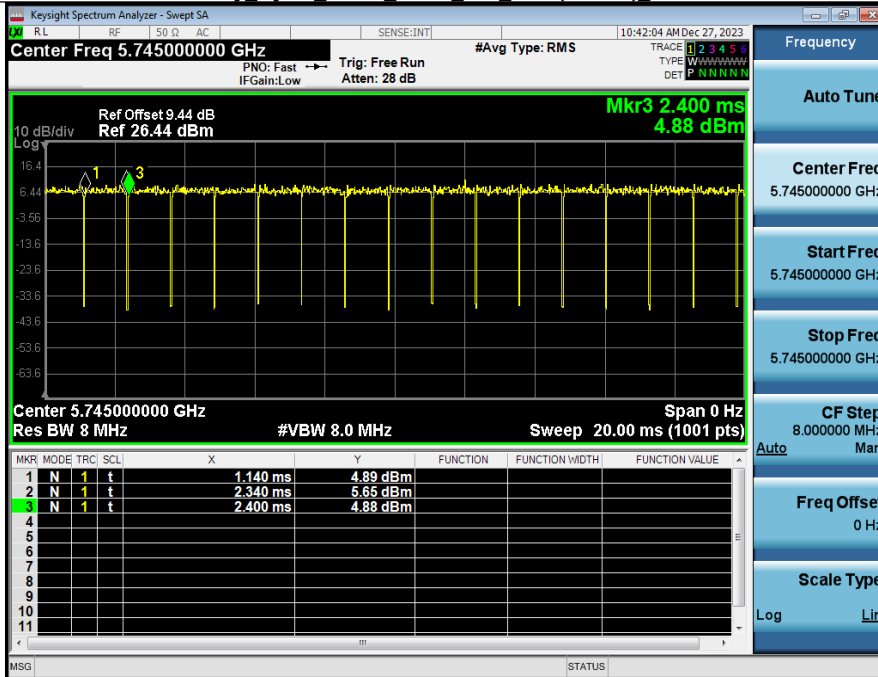
Duty Cycle NVNT_ANT1_802_11n(HT20)_5785



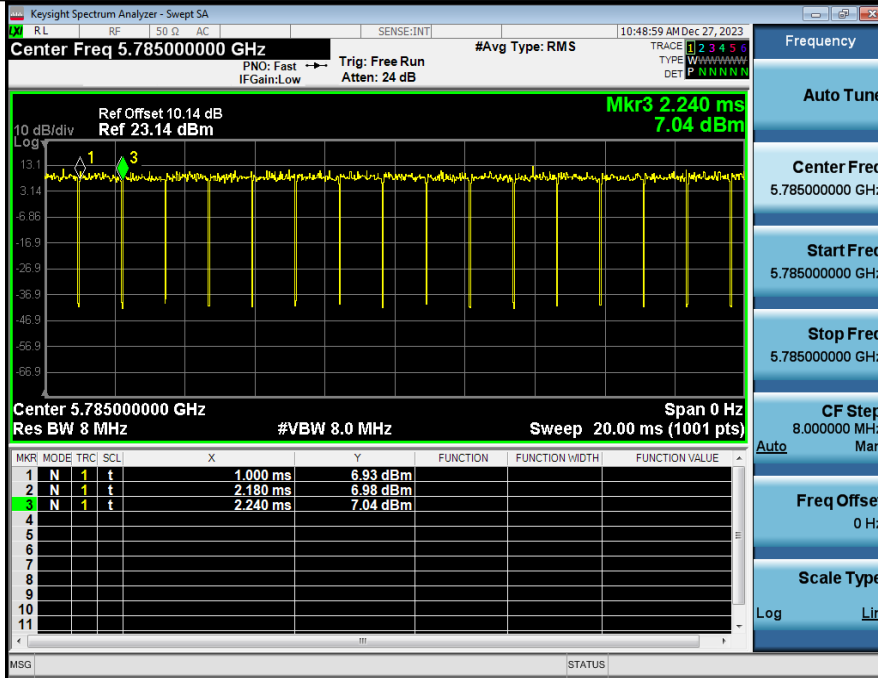
Duty Cycle NVNT_ANT1_802_11n(HT20)_5825



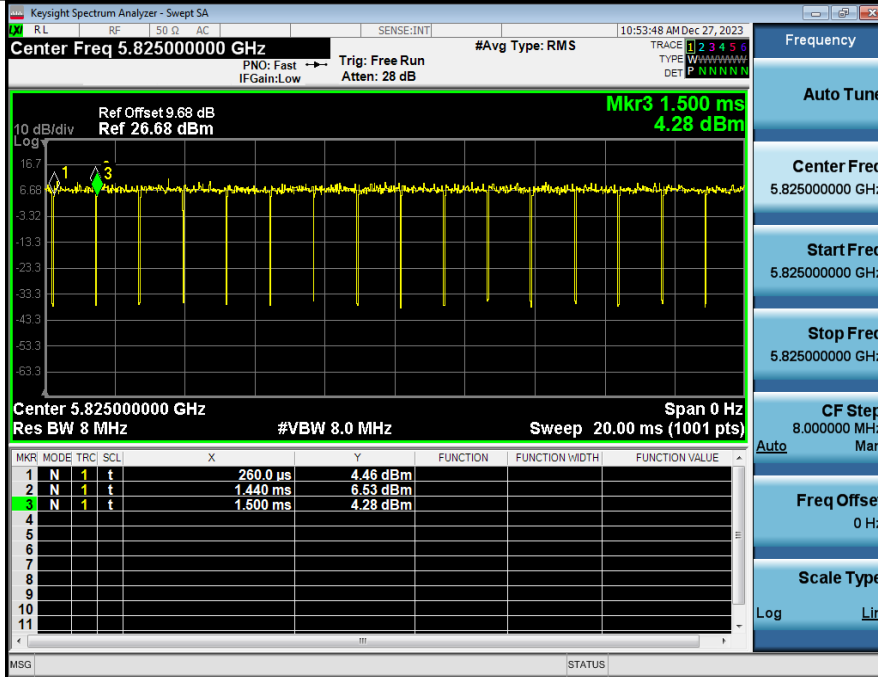
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5745



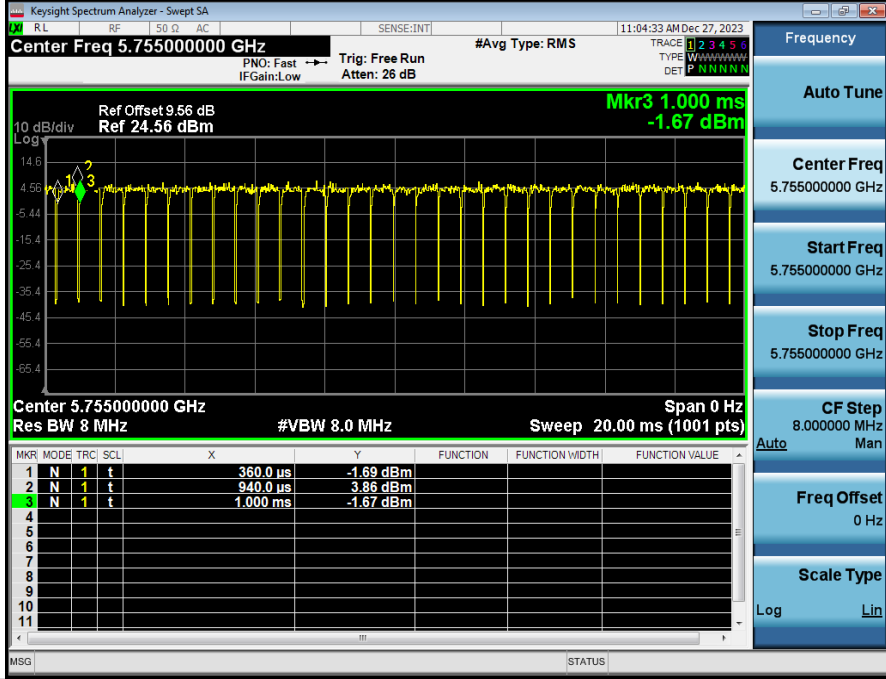
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5785



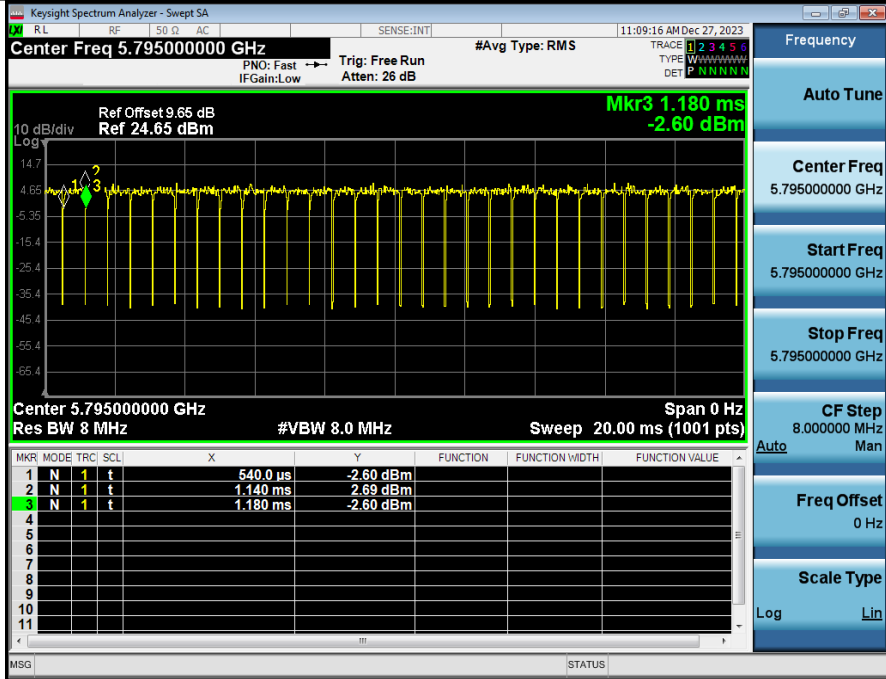
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5825



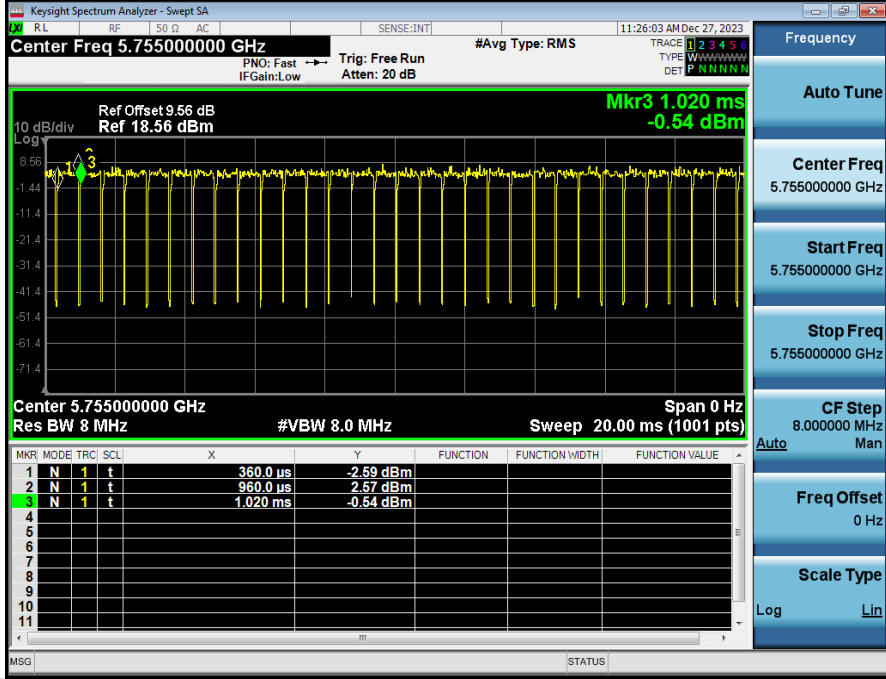
Duty Cycle NVNT_ANT1_802_11n(HT40)_5795



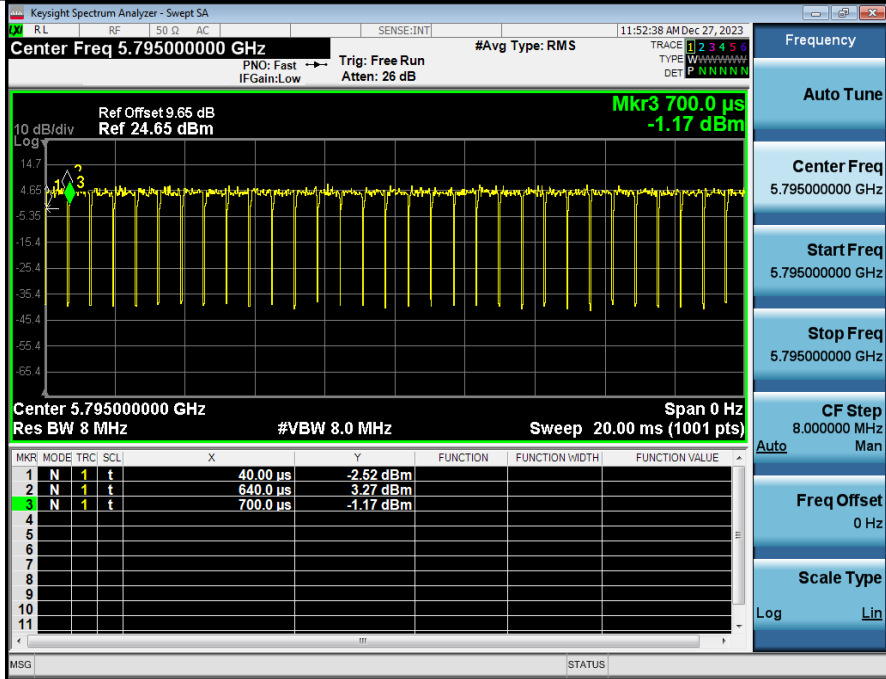
Duty Cycle NVNT_ANT1_802_11n(HT40)_5795



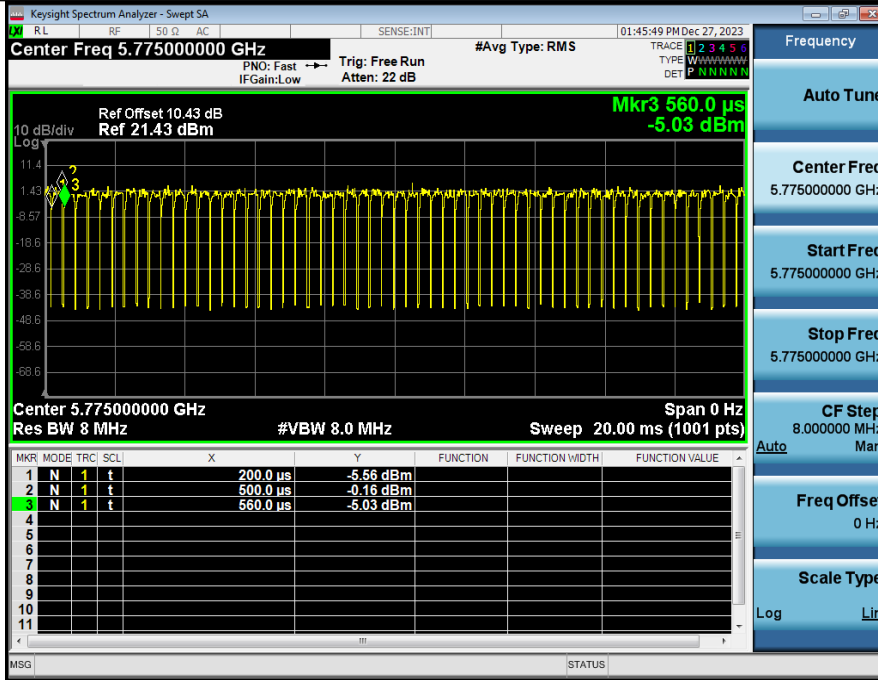
Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5755



Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5795

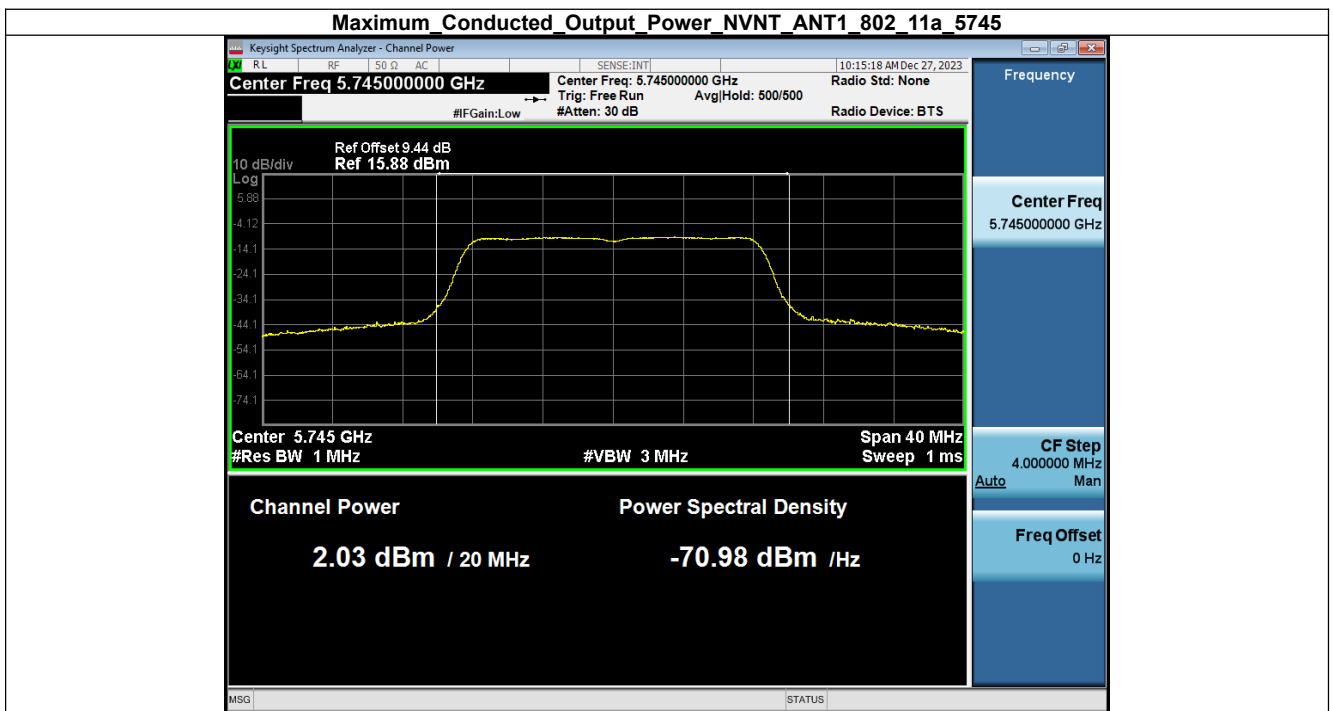


Duty Cycle NVNT_ANT1_802_11ac(VHT80)_5775

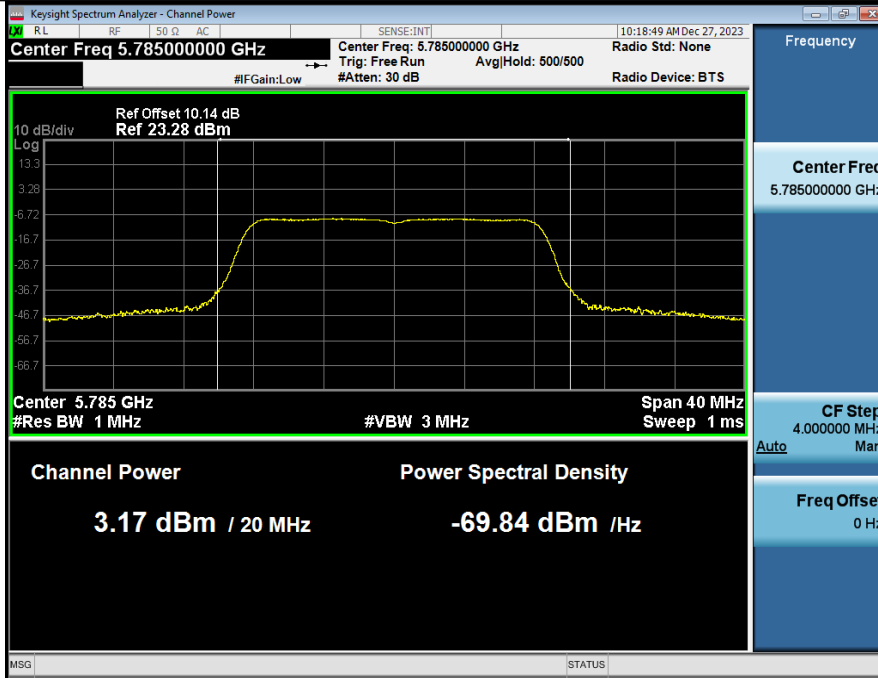


4. Maximum Conducted Output Power

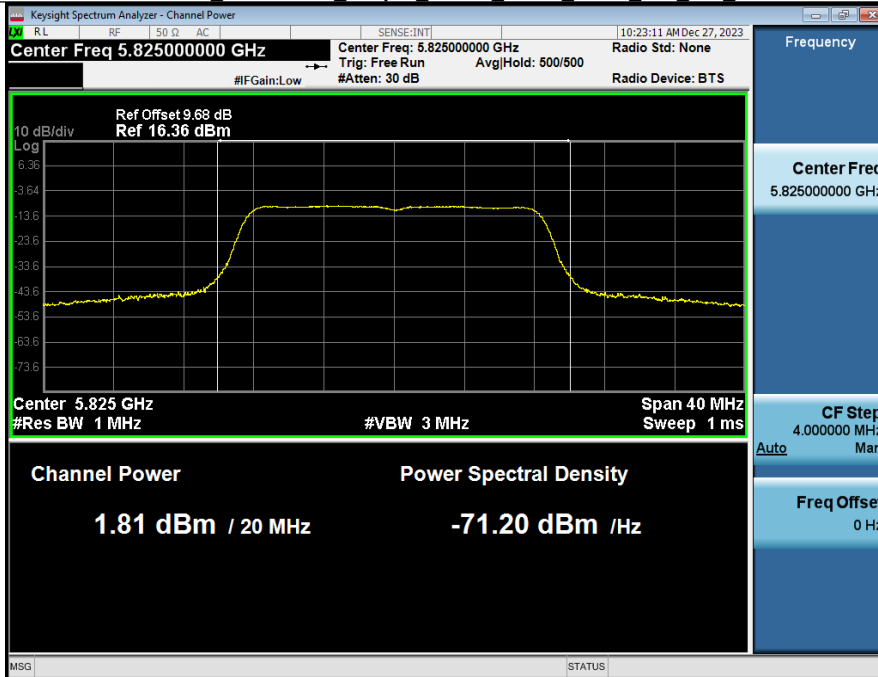
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	2.03	0.18	2.21	30	Pass
NVNT	ANT1	802.11a	5785.00	3.17	0.18	3.35	30	Pass
NVNT	ANT1	802.11a	5825.00	1.81	0.12	1.93	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	2.25	0.22	2.47	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	3.45	0.14	3.59	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	2.57	0.14	2.71	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	2.67	0.21	2.88	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	3.88	0.22	4.10	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	2.57	0.22	2.79	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	2.62	0.43	3.05	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	2.85	0.28	3.13	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	2.63	0.41	3.04	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	2.48	0.41	2.89	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	2.50	0.79	3.29	30	Pass



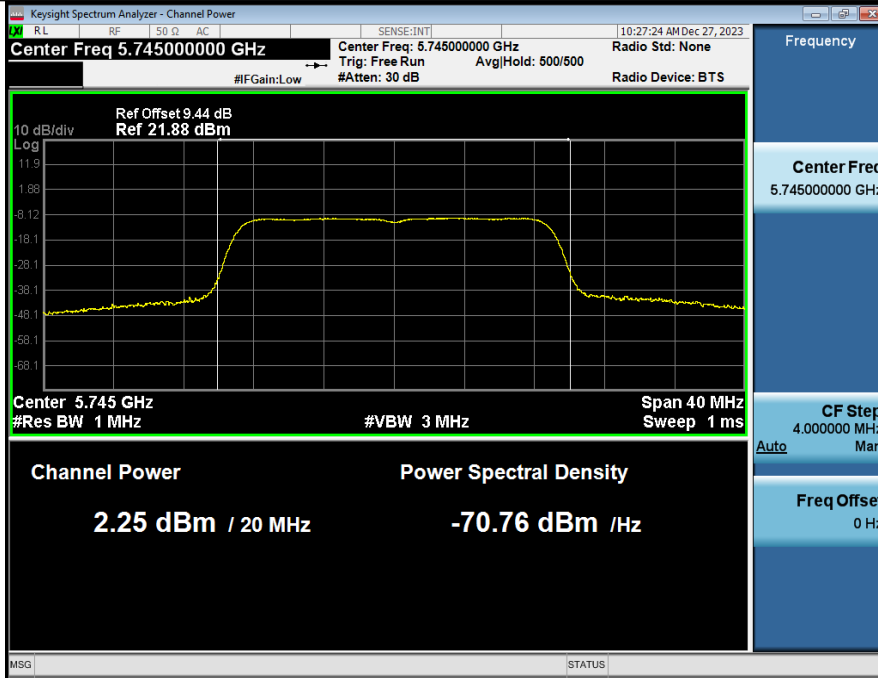
Maximum Conducted Output Power NVNT_ANT1_802_11a_5785



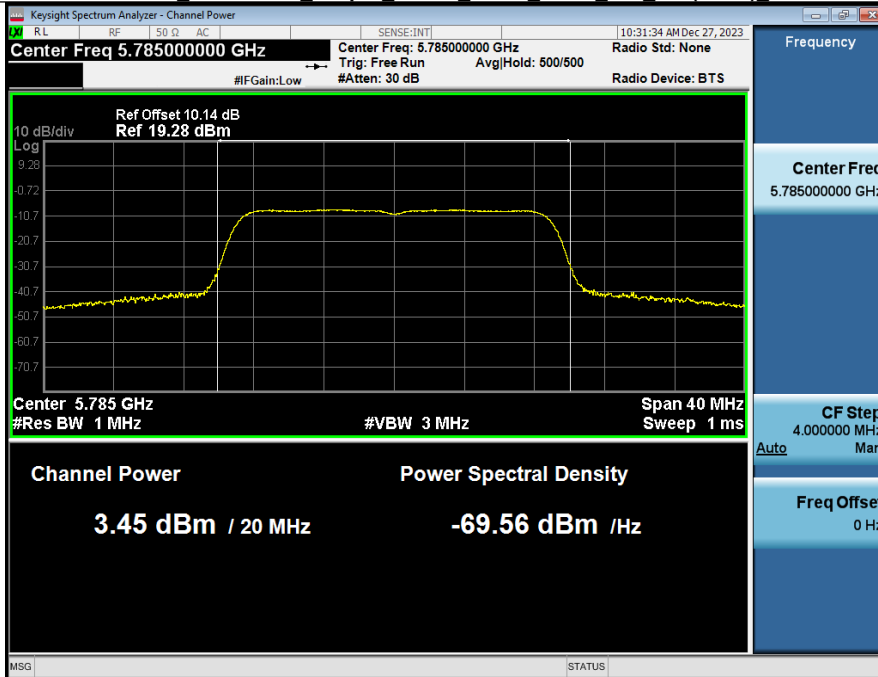
Maximum Conducted Output Power NVNT_ANT1_802_11a_5825



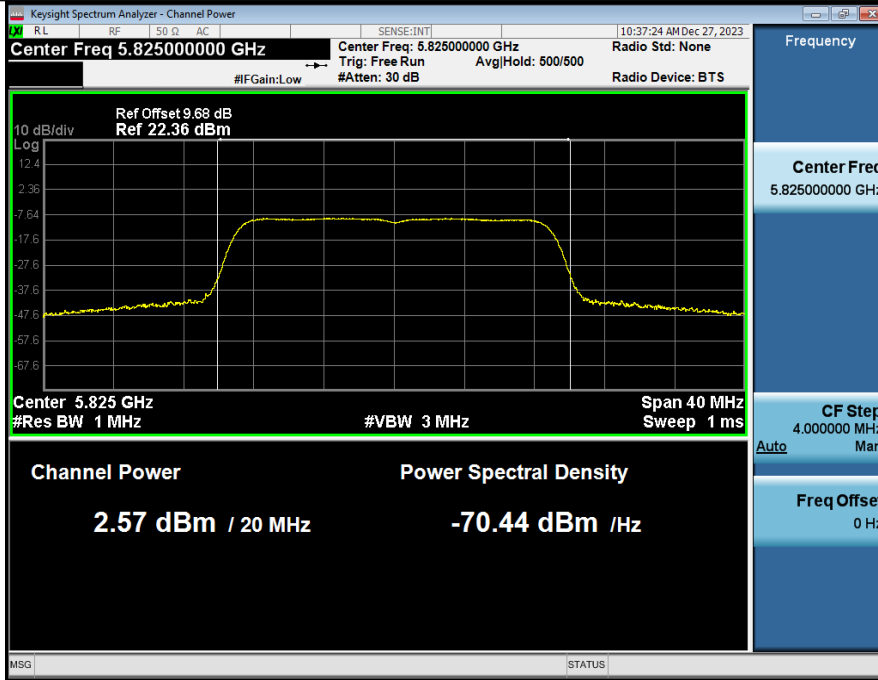
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20) 5745



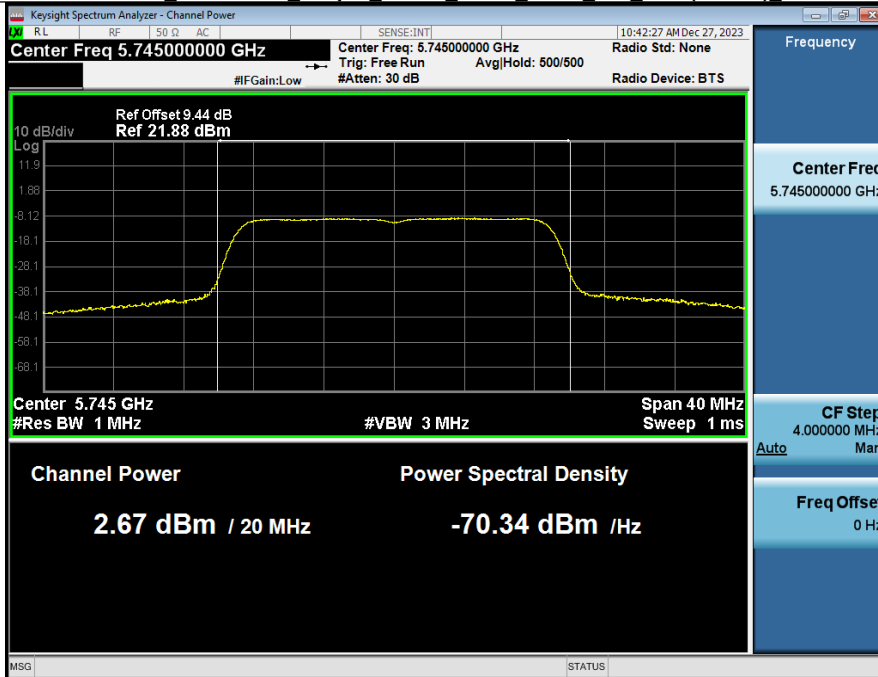
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20) 5785



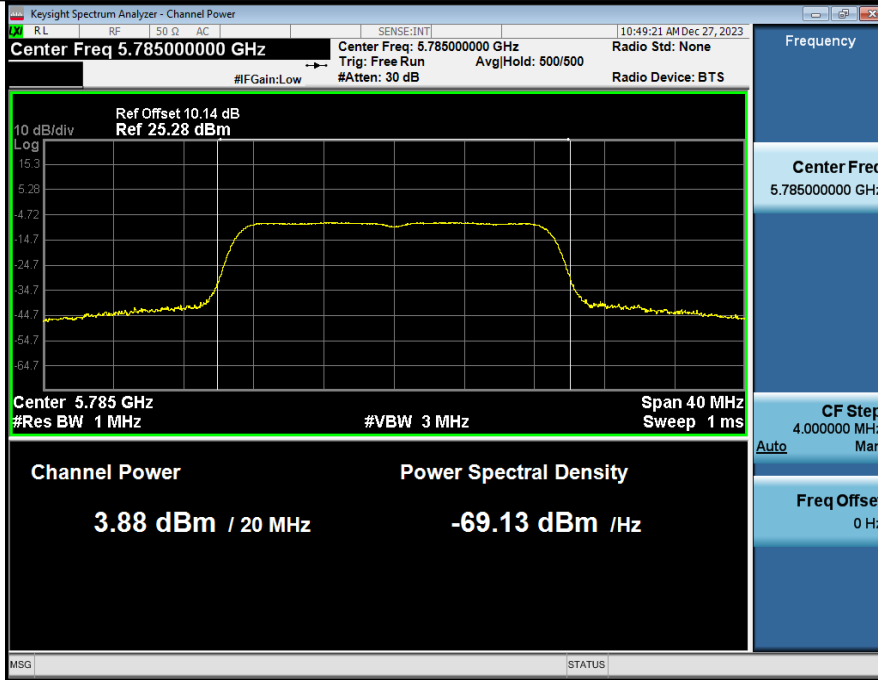
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20) 5825



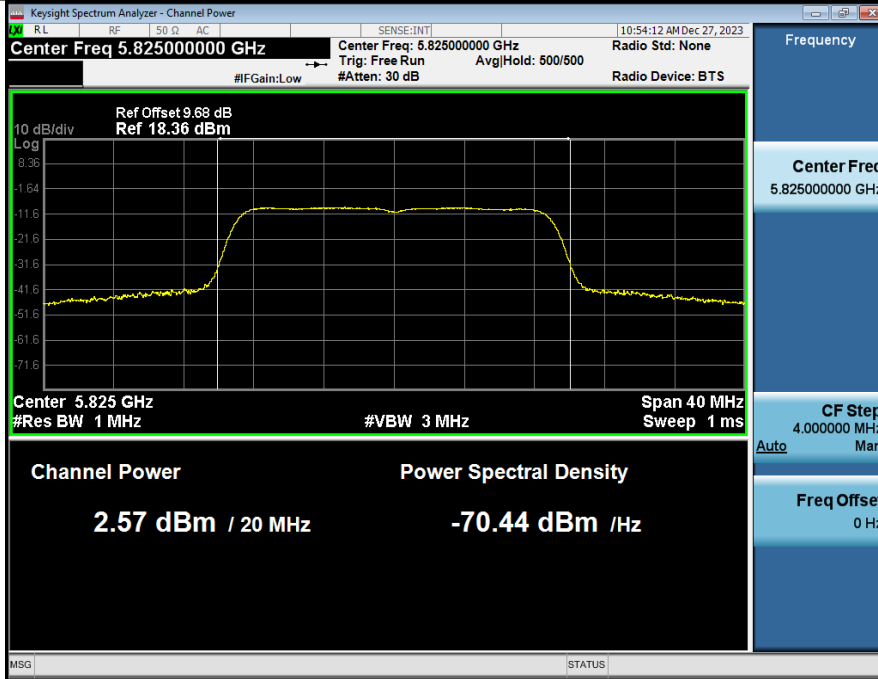
Maximum Conducted Output Power NVNT_ANT1_802_11ac(VHT20) 5745



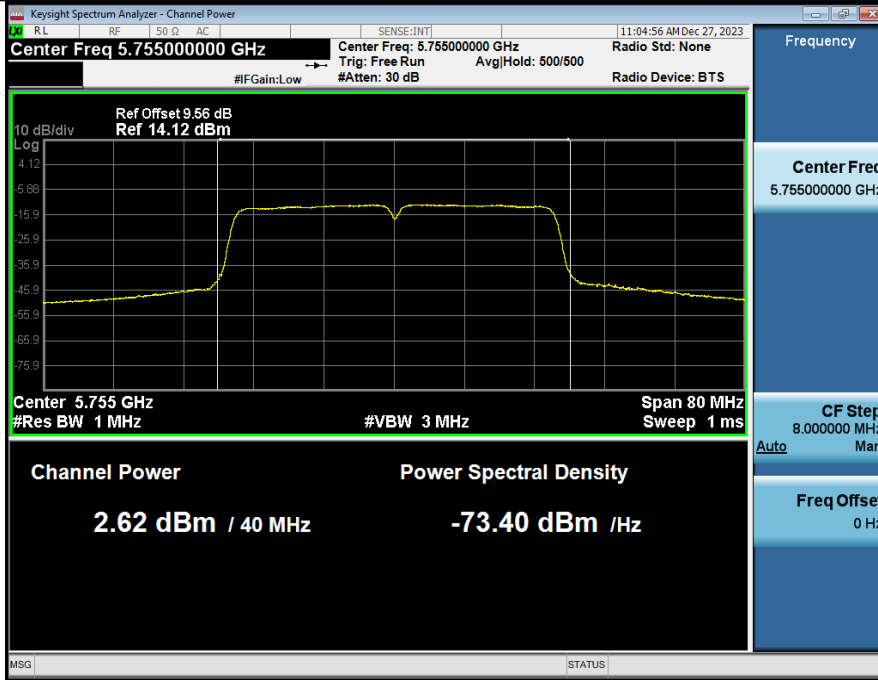
Maximum Conducted Output Power NVNT_ANT1_802_11ac(VHT20)_5785



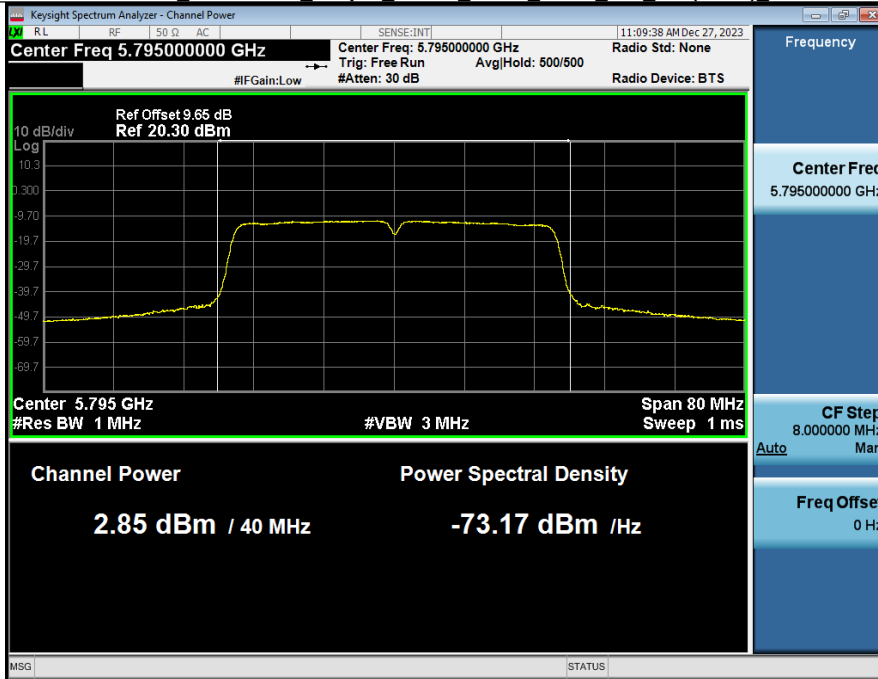
Maximum Conducted Output Power NVNT_ANT1_802_11ac(VHT20)_5825



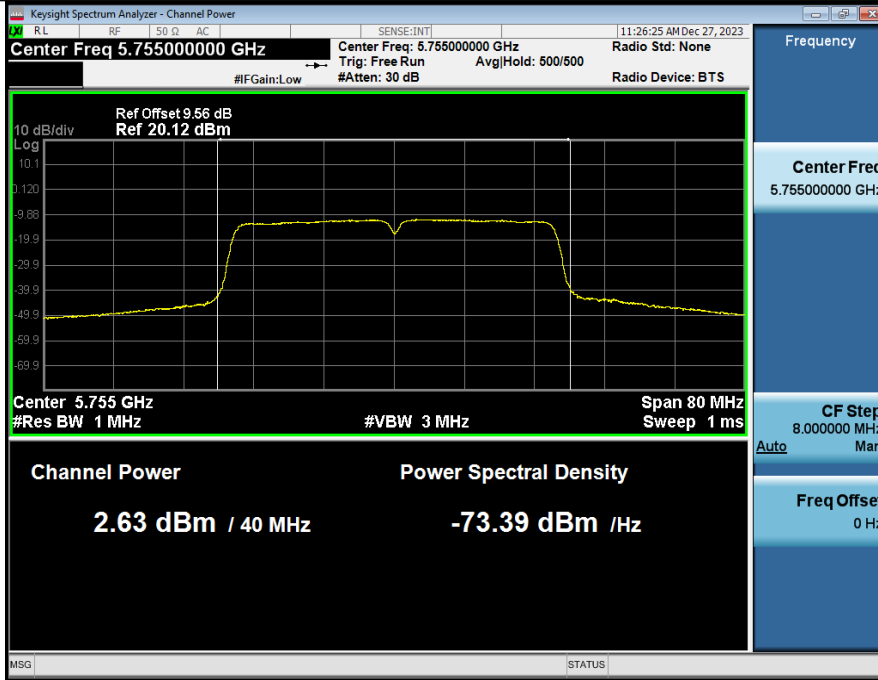
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT40) 5755



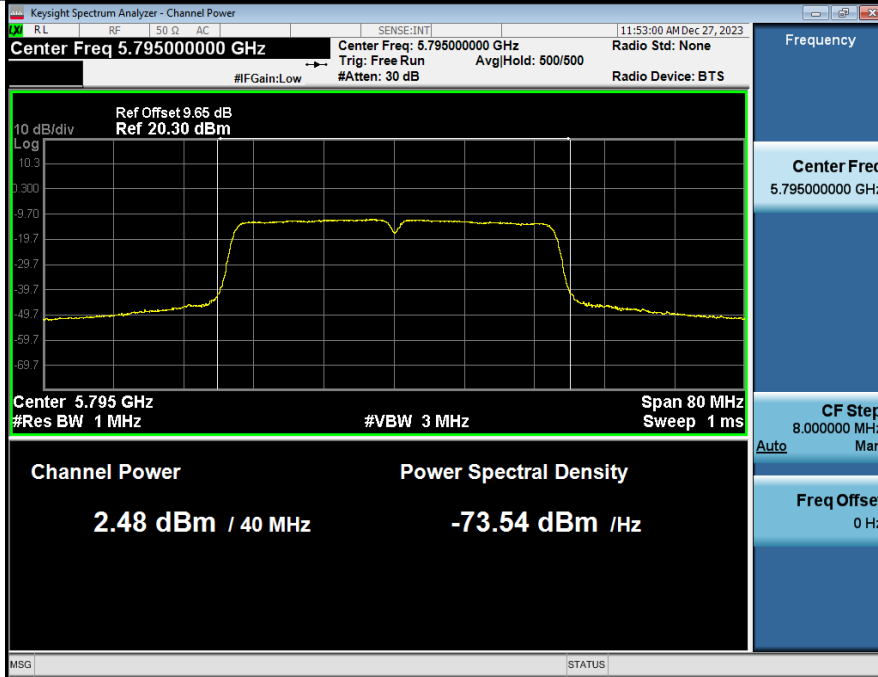
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT40) 5795



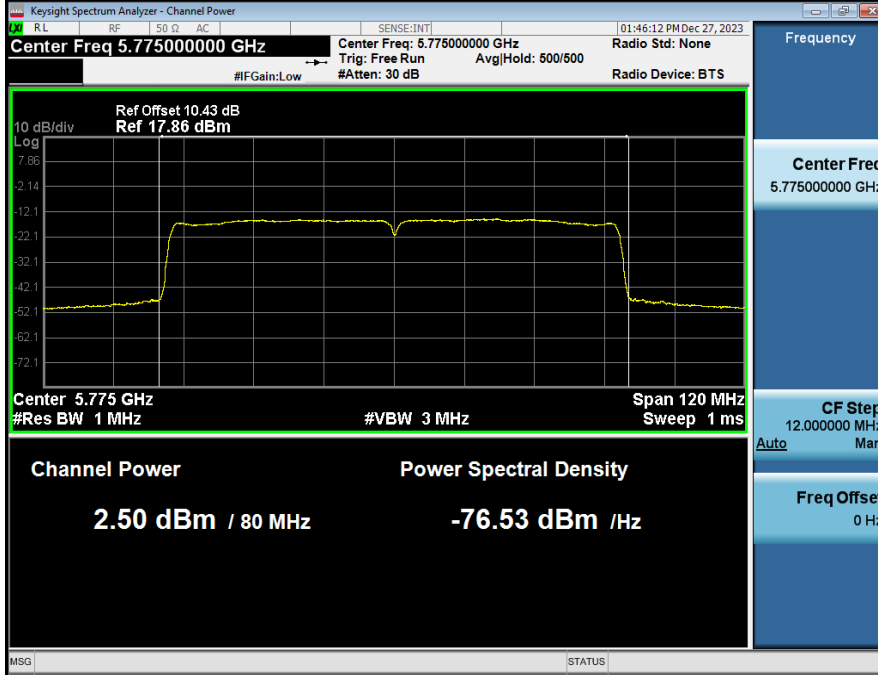
Maximum Conducted Output Power NVNT_ANT1_802_11ac(VHT40)_5755



Maximum Conducted Output Power NVNT_ANT1_802_11ac(VHT40)_5795



Maximum Conducted Output Power_NVNT_ANT1_802_11ac(VHT80)_5775

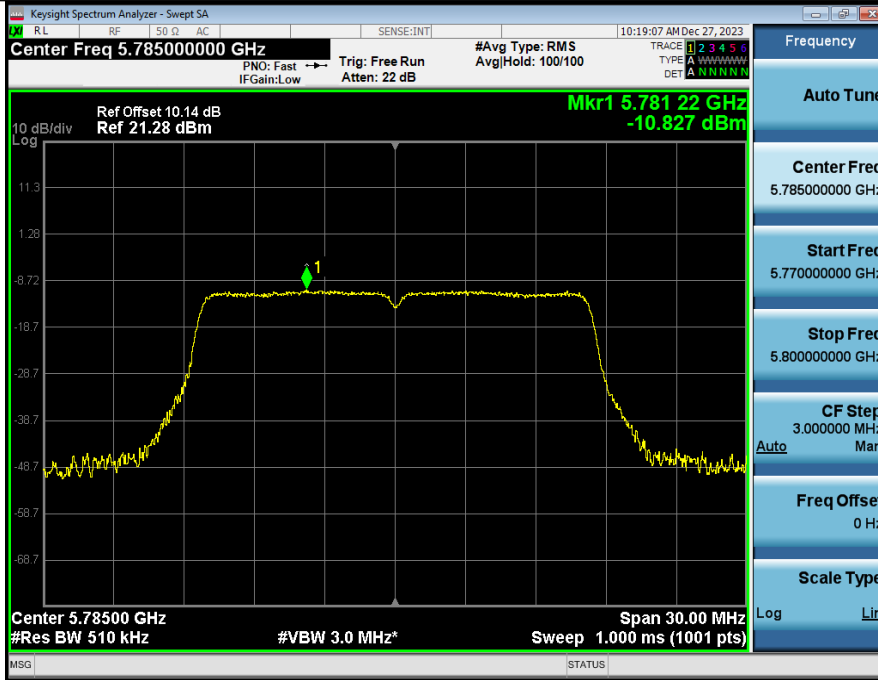


5. Power Spectral Density

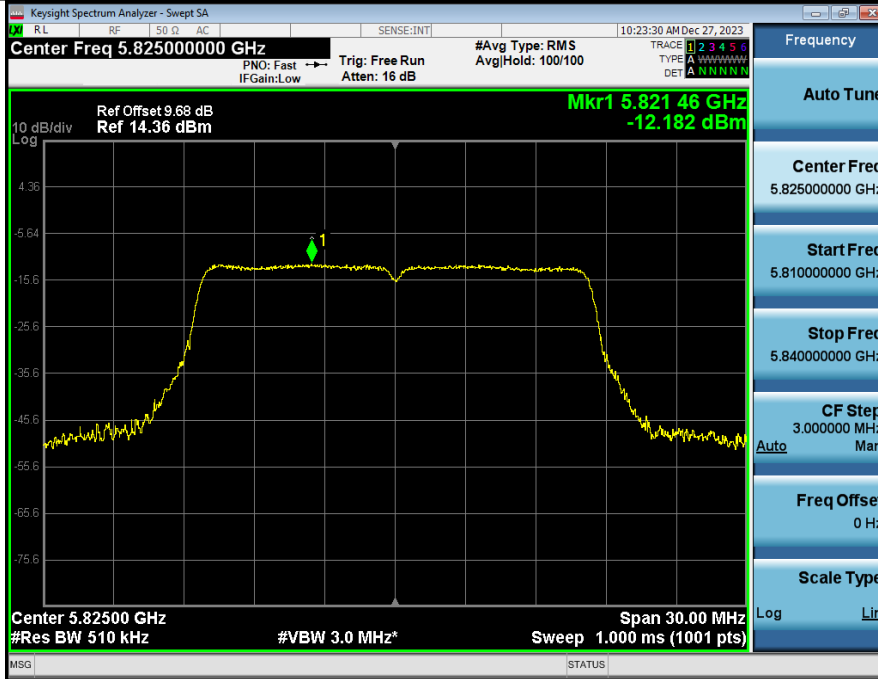
Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA(dBm/RBW)	Duty factor(dB)	RB factor(dB)	PSD(dBm/500kHz)	limit(dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-12.10	0.18	-0	-12.01	30	Pass
NVNT	ANT1	802.11a	5785.00	-10.83	0.18	-0	-10.73	30	Pass
NVNT	ANT1	802.11a	5825.00	-12.18	0.12	-0	-12.15	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-11.28	0.22	-0	-11.15	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-10.58	0.14	-0	-10.52	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-11.68	0.14	-0	-11.62	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-11.33	0.21	-0	-11.21	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-10.11	0.22	-0	-9.98	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-11.41	0.22	-0	-11.28	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-14.33	0.43	-0	-13.99	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-14.32	0.28	-0	-14.13	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-14.43	0.41	-0	-14.10	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-14.56	0.41	-0	-14.24	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-17.65	0.79	-0	-16.94	30	Pass



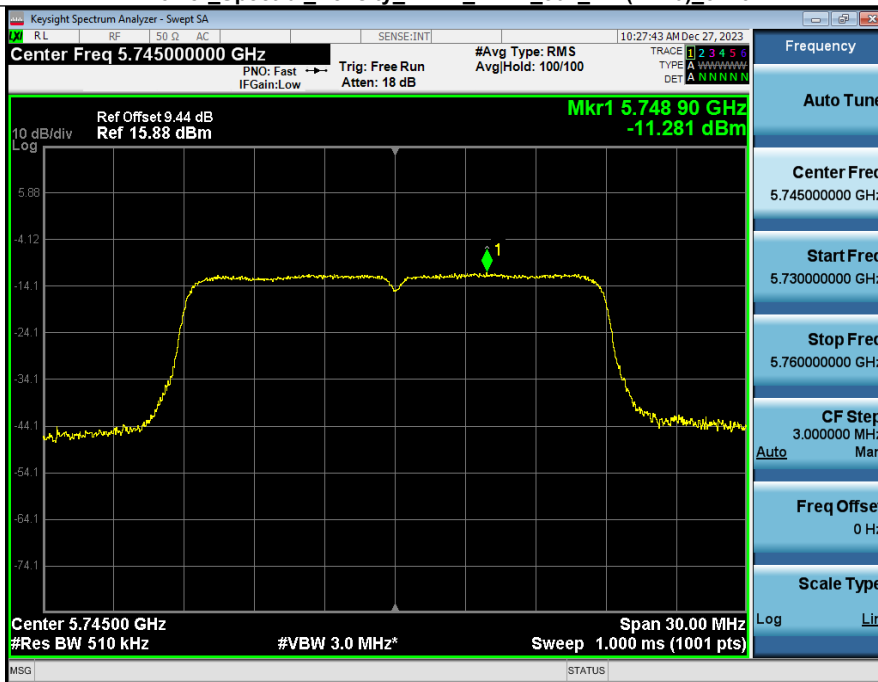
Power Spectral Density NVNT_ANT1_802_11a_5785



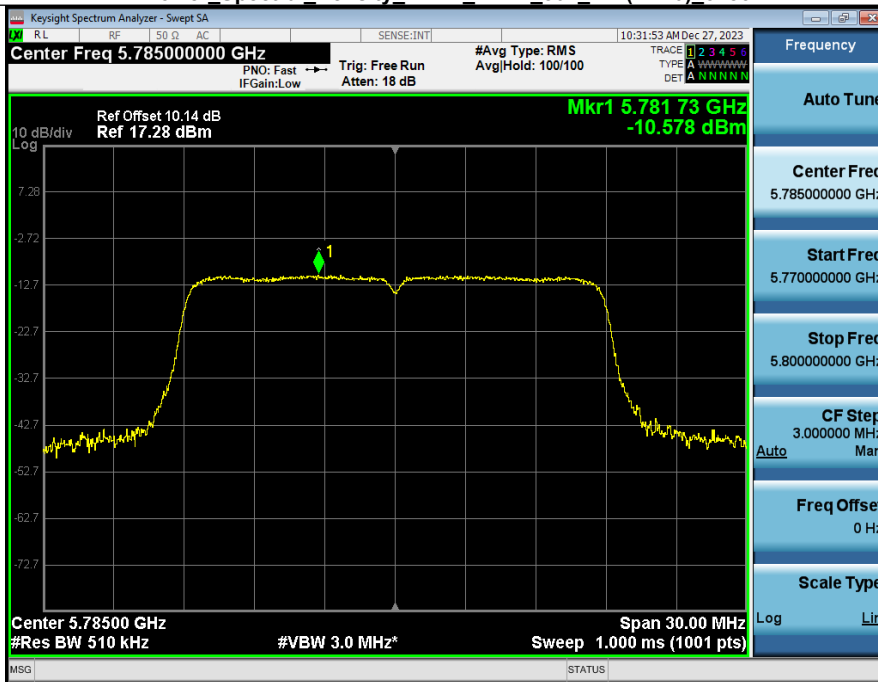
Power Spectral Density NVNT_ANT1_802_11a_5825



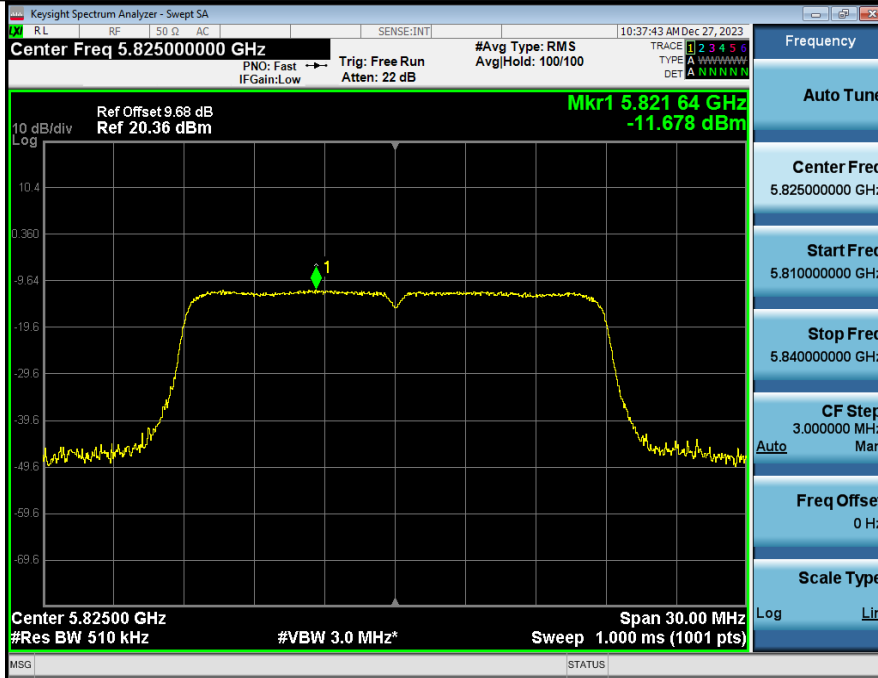
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5745



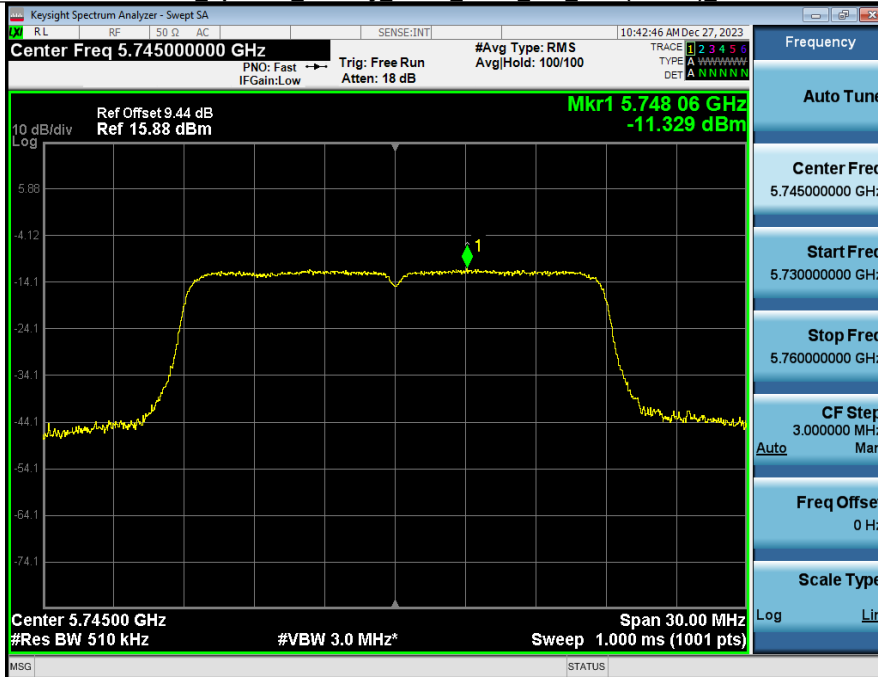
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5785



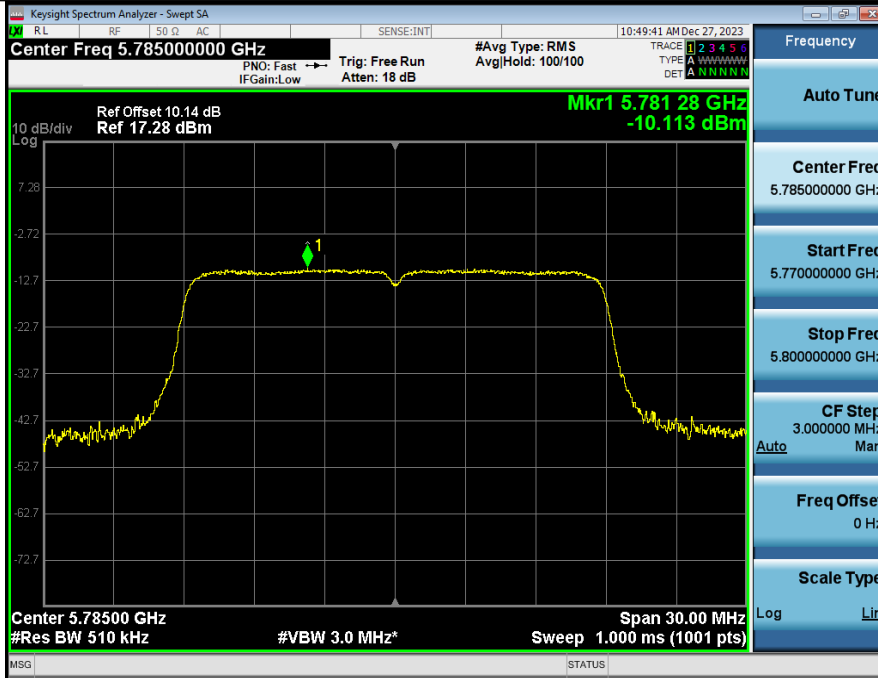
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5825



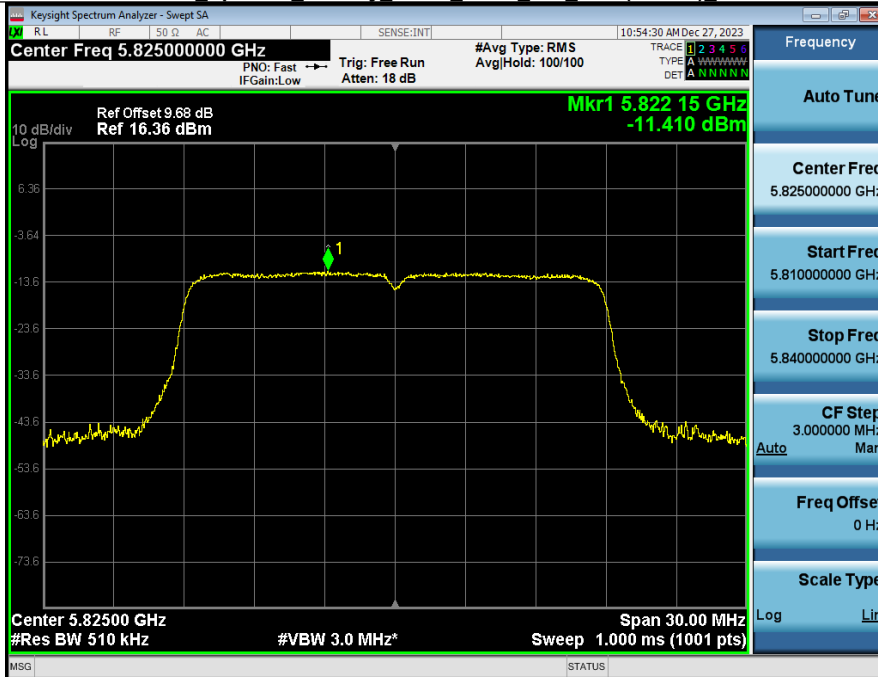
Power Spectral Density_NVNT_ANT1_802_11ac(VHT20)_5745



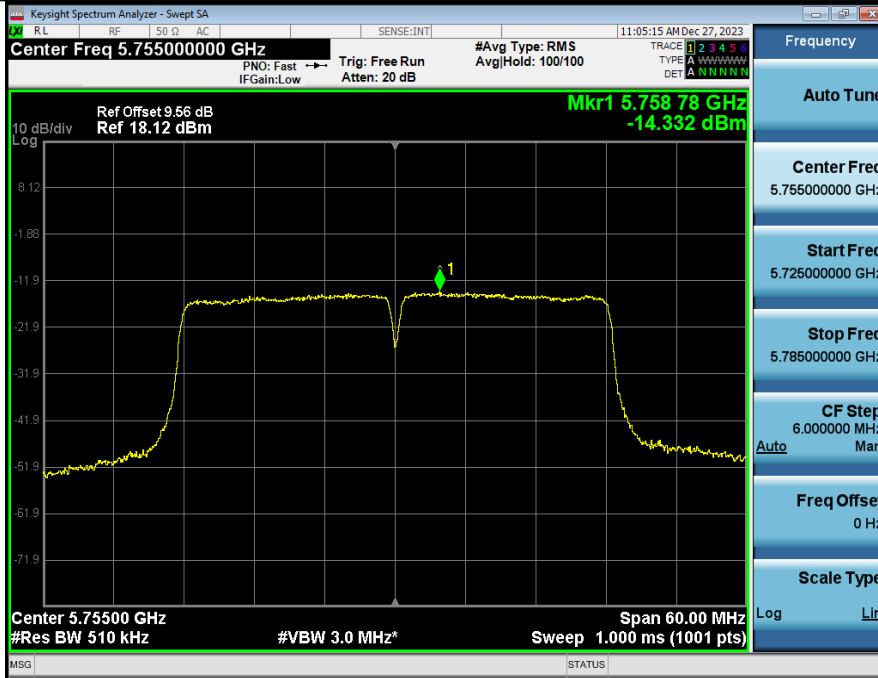
Power Spectral Density_NVNT_ANT1_802_11ac(VHT20)_5785



Power Spectral Density_NVNT_ANT1_802_11ac(VHT20)_5825



Power Spectral Density NVNT_ANT1_802_11n(HT40)_5755



Frequency

Auto Tune

Center Freq
5.755000000 GHz

Start Freq
5.725000000 GHz

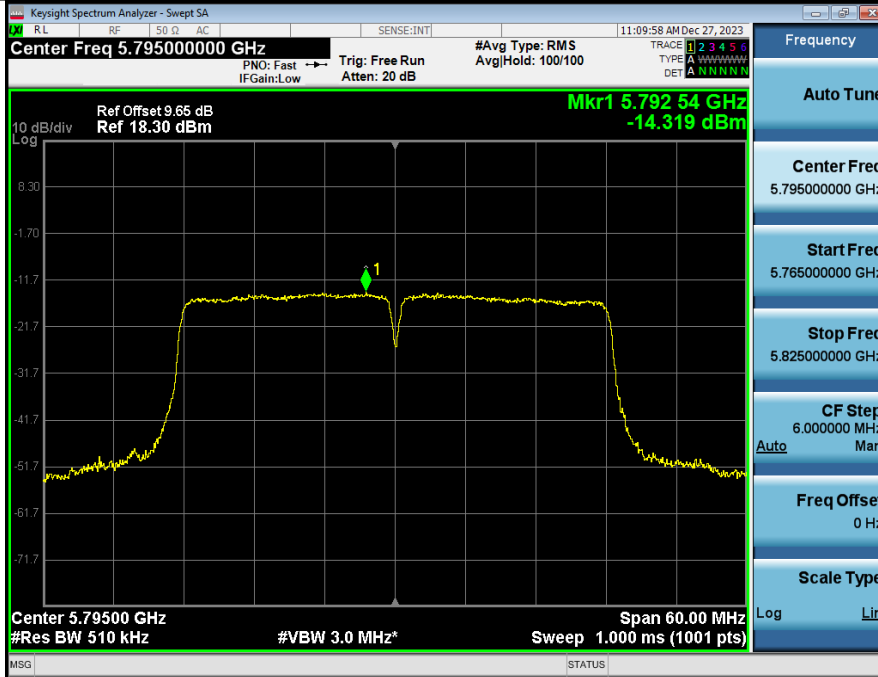
Stop Freq
5.785000000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Scale Type
Log Lin

Power Spectral Density NVNT_ANT1_802_11n(HT40)_5795



Frequency

Auto Tune

Center Freq
5.795000000 GHz

Start Freq
5.765000000 GHz

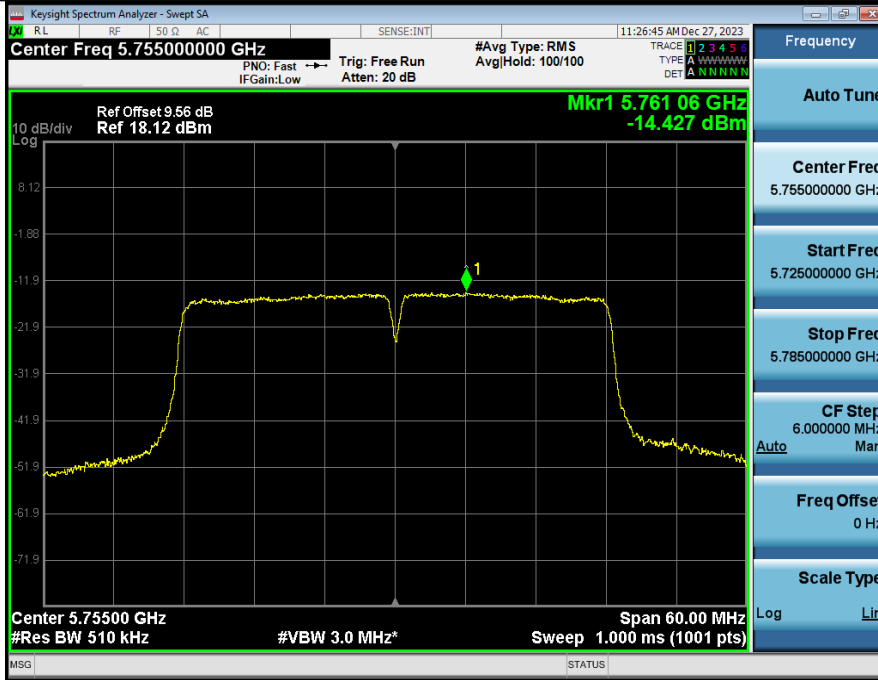
Stop Freq
5.825000000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Scale Type
Log Lin

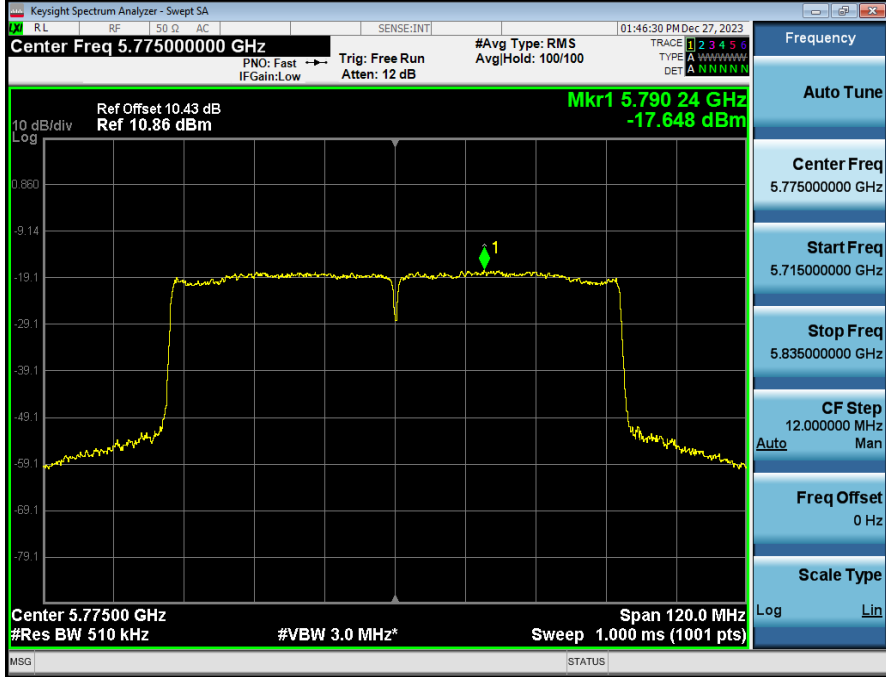
Power Spectral Density_NVNT_ANT1_802_11ac(VHT40)_5755



Power Spectral Density_NVNT_ANT1_802_11ac(VHT40)_5795



Power Spectral Density_NVNT_ANT1_802_11ac(VHT80)_5775

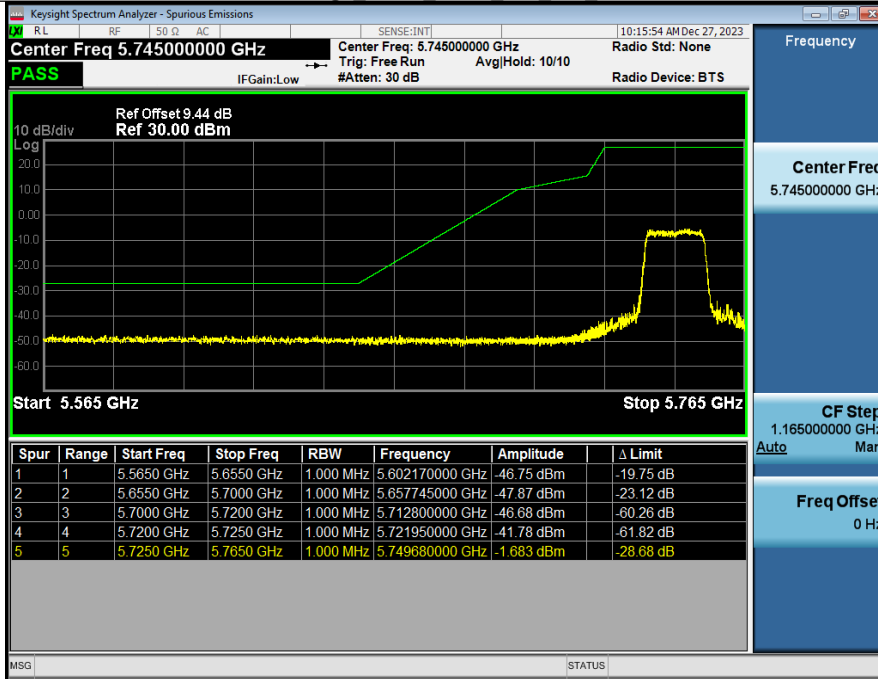


6. Bandedge

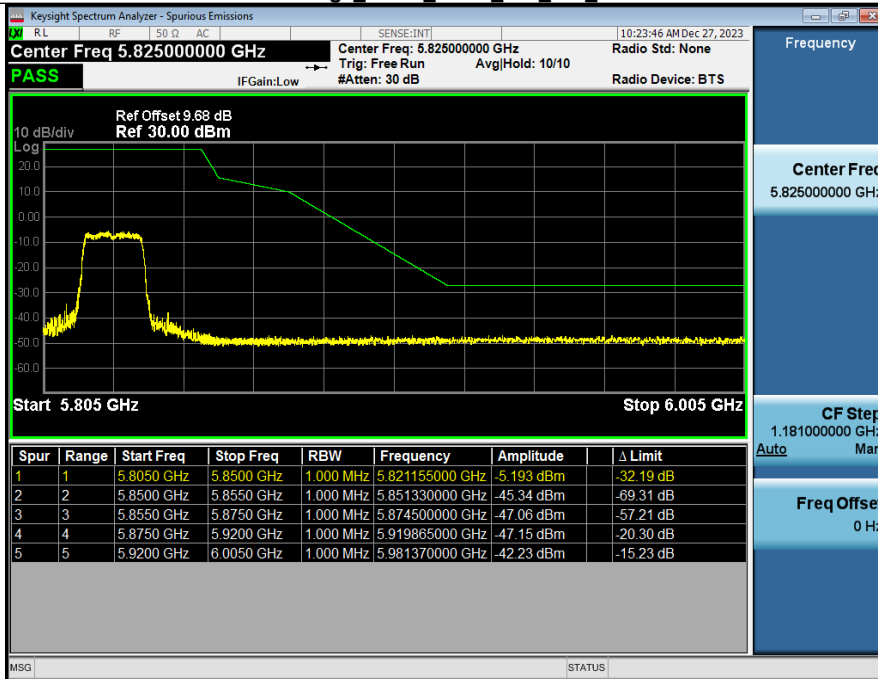
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5602.170	-46.75	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5657.745	-47.87	-24.74	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5712.800	-46.68	13.58	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5721.950	-41.78	20.05	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5851.330	-45.34	23.97	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5874.500	-47.06	10.14	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5919.865	-47.15	-26.89	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5981.370	-42.23	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5575.530	-46.29	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5657.475	-47.91	-24.96	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5719.800	-44.34	15.54	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5722.835	-40.95	22.06	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5852.460	-44.10	21.39	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5872.820	-46.69	10.61	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5919.280	-46.62	-26.41	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5973.380	-41.40	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5614.860	-46.76	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5659.050	-47.86	-23.67	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5716.240	-45.18	14.55	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5724.205	-38.82	25.19	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5851.555	-43.35	23.45	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5874.440	-47.10	10.16	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5911.990	-46.61	-20.41	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5950.515	-40.79	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5604.180	-47.09	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5655.225	-47.37	-26.81	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5719.560	-44.38	15.48	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5721.545	-43.13	19.12	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.570	-46.47	16.58	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5873.400	-47.10	10.45	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5916.805	-47.30	-24.37	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5945.305	-42.14	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5652.120	-47.32	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5658.420	-47.27	-24.19	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5714.940	-44.73	14.18	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5721.145	-43.44	18.21	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.175	-47.36	17.48	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5869.920	-45.86	11.42	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5919.145	-46.06	-26.30	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5933.160	-41.27	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5651.330	-46.37	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5660.895	-46.13	-22.15	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5708.760	-45.96	12.45	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5721.405	-43.59	18.80	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5854.775	-45.88	16.11	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5874.520	-45.94	10.13	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5915.365	-46.26	-23.19	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5923.285	-41.26	-27.00	Pass

Note: The test diagram has integrated antenna gain to Offset Settings.

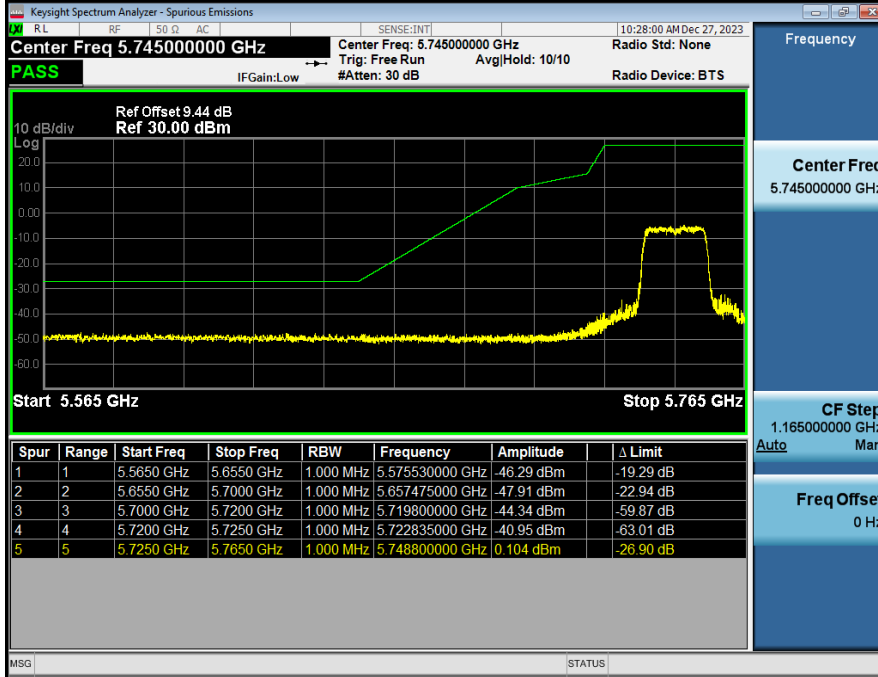
Bandedge_NVNT_ANT1_802_11a_5745



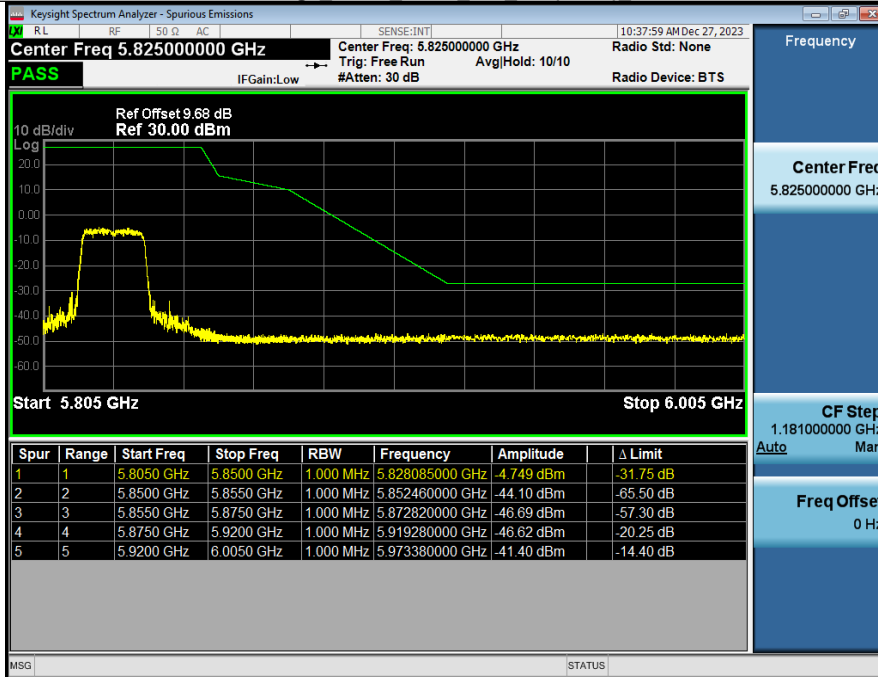
Bandedge_NVNT_ANT1_802_11a_5825



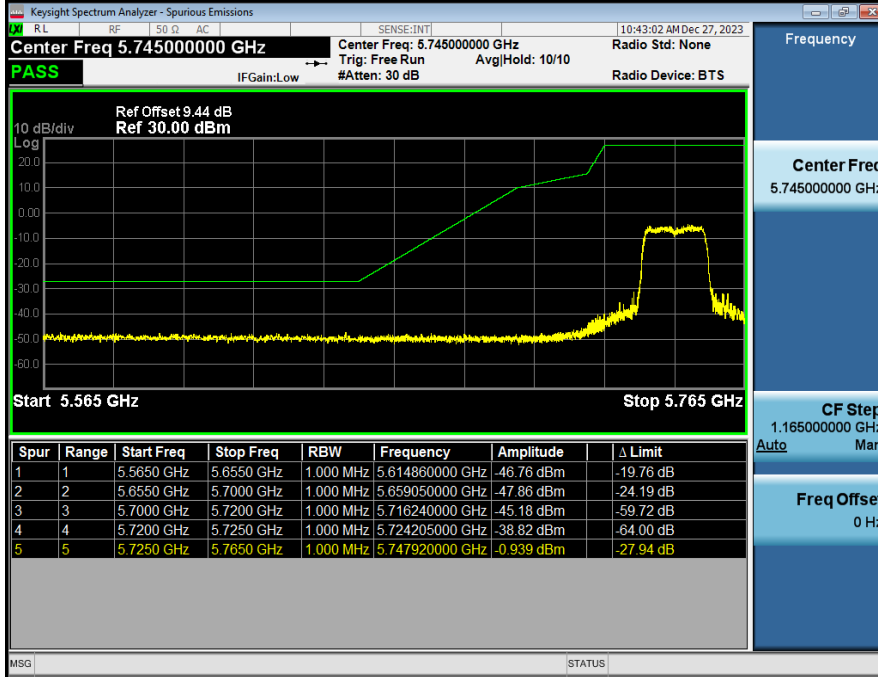
Bandedge_NVNT_ANT1_802_11n(HT20)_5745



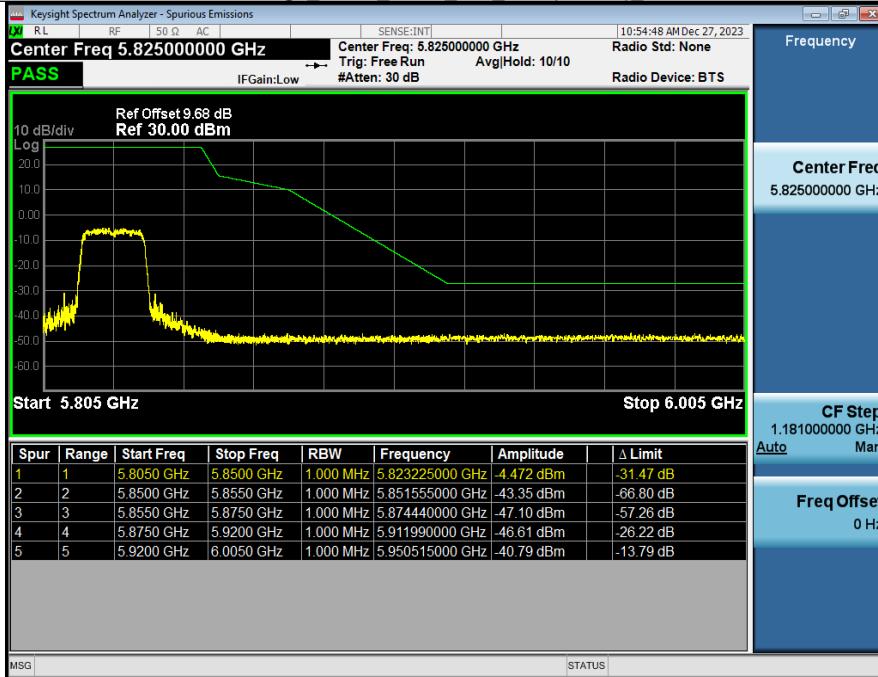
Bandedge_NVNT_ANT1_802_11n(HT20)_5825



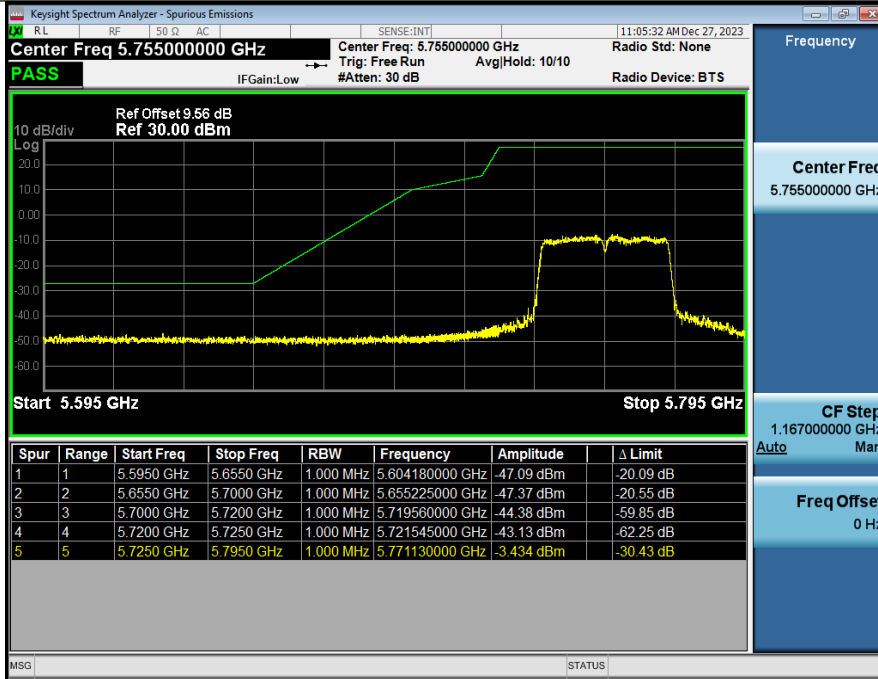
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5745



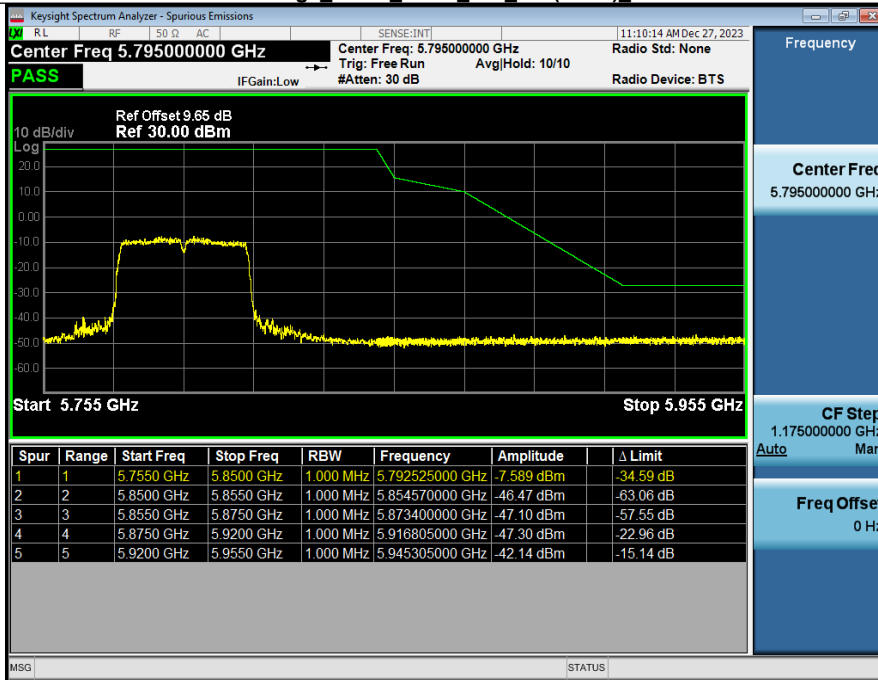
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5825



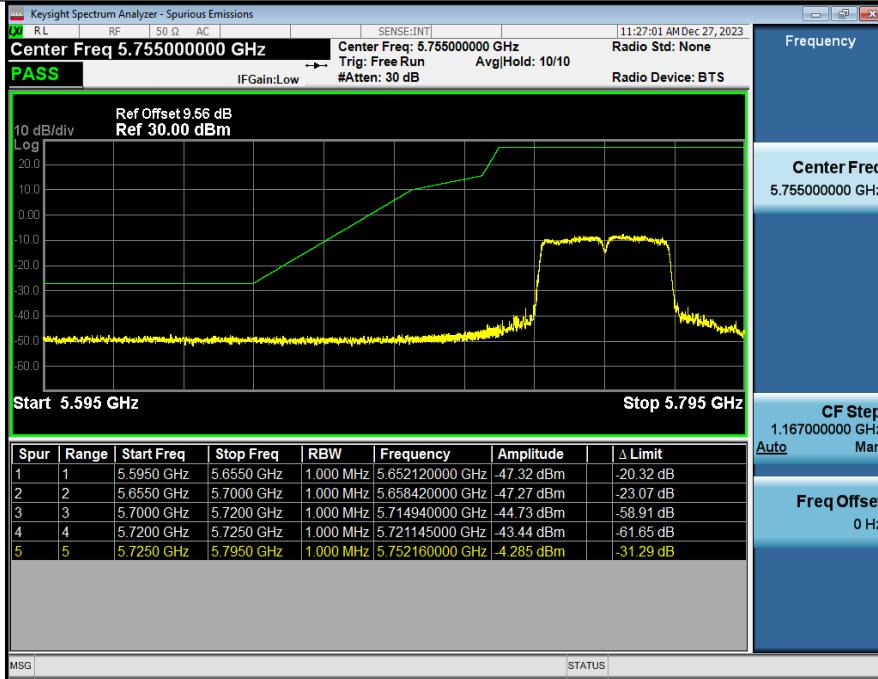
Bandedge_NVNT_ANT1_802_11n(HT40)_5755



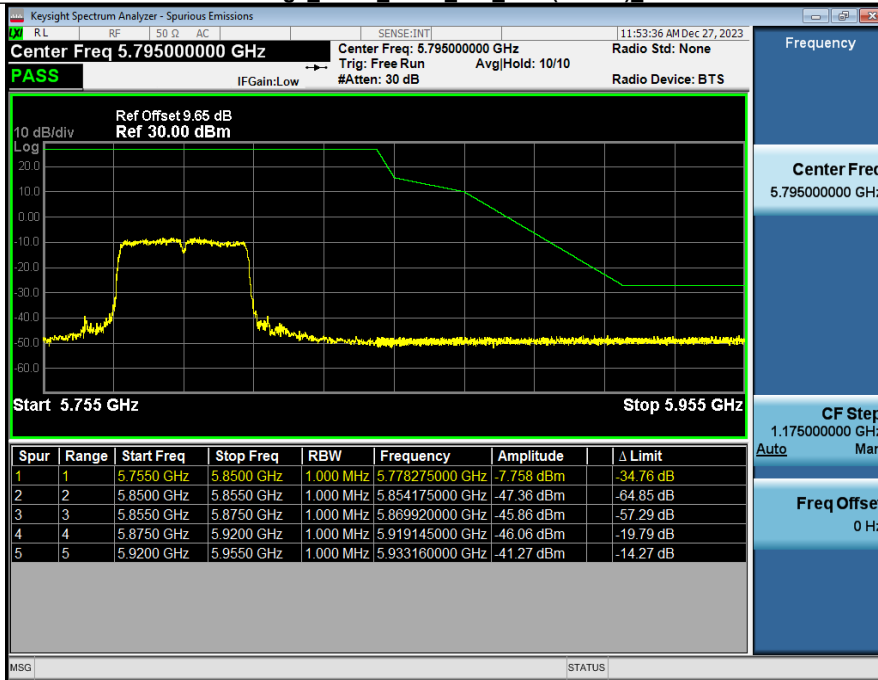
Bandedge_NVNT_ANT1_802_11n(HT40)_5795



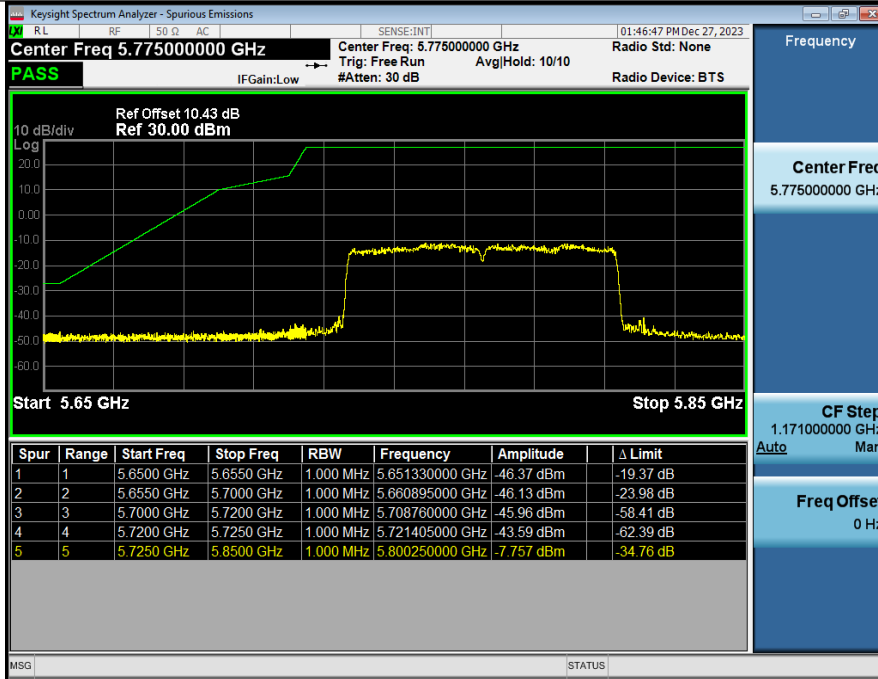
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5755



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5795



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_low



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_up

