

Table of Contents

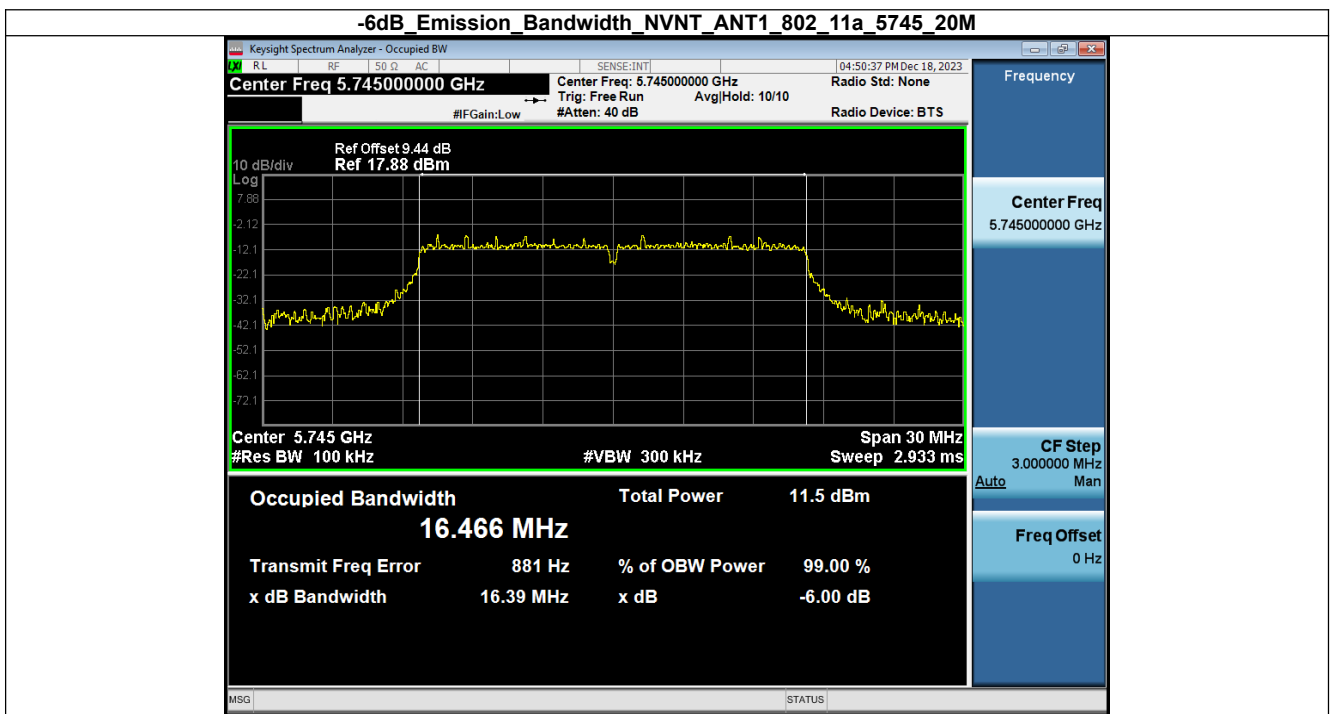
1. -6dB Emission Bandwidth	2
2. -26dB and 99% Emission Bandwidth	9
3. Duty Cycle	23
4. Maximum Conducted Output Power	30
5. Power Spectral Density	37
6. Bandedge	44

FCC ID WIFI5.8

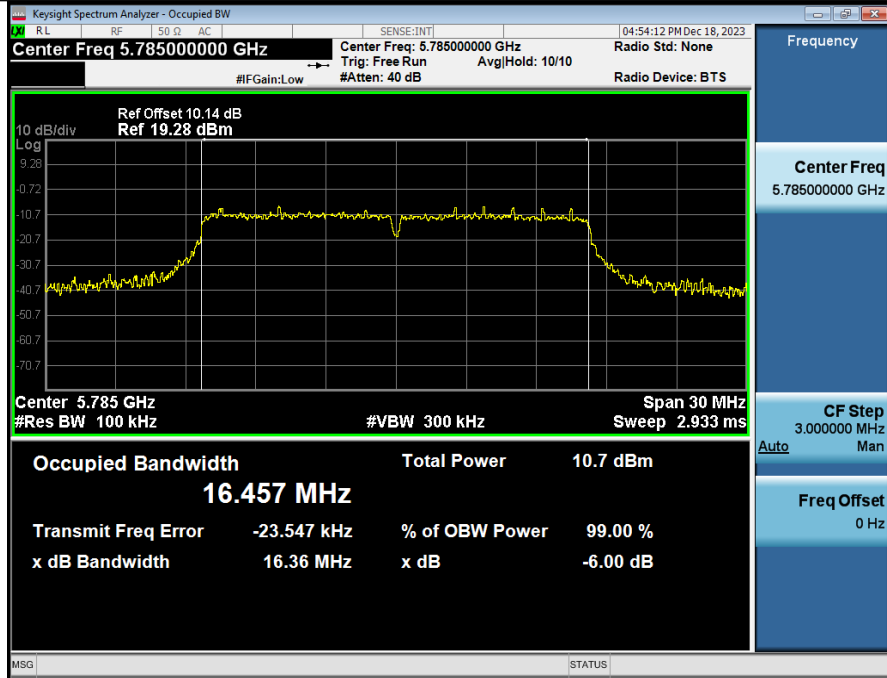
FCC_5.8G_WIFI (Part15.407) Test Data

1. -6dB Emission Bandwidth

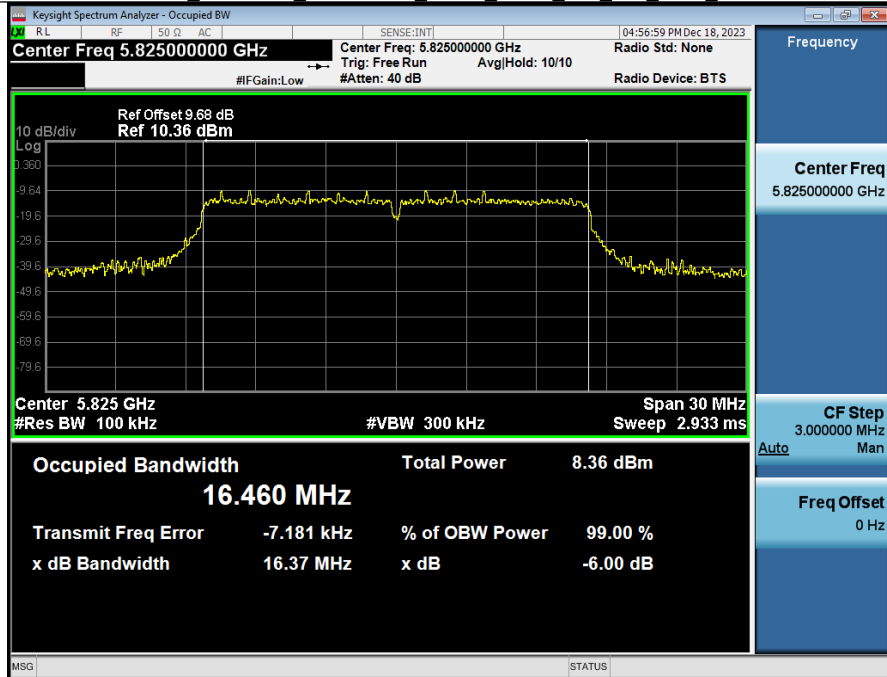
Condition	Antenna	Modulation	Mode	Frequency(MHz)	6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	LCH	5745.00	16.388	0.500	Pass
NVNT	ANT1	802.11a	MCH	5785.00	16.363	0.500	Pass
NVNT	ANT1	802.11a	HCH	5825.00	16.369	0.500	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5745.00	17.271	0.500	Pass
NVNT	ANT1	802.11n(HT20)	MCH	5785.00	17.412	0.500	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5825.00	17.432	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5745.00	17.466	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	MCH	5785.00	17.415	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5825.00	17.378	0.500	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5755.00	35.661	0.500	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5795.00	35.712	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5755.00	35.552	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5795.00	35.664	0.500	Pass



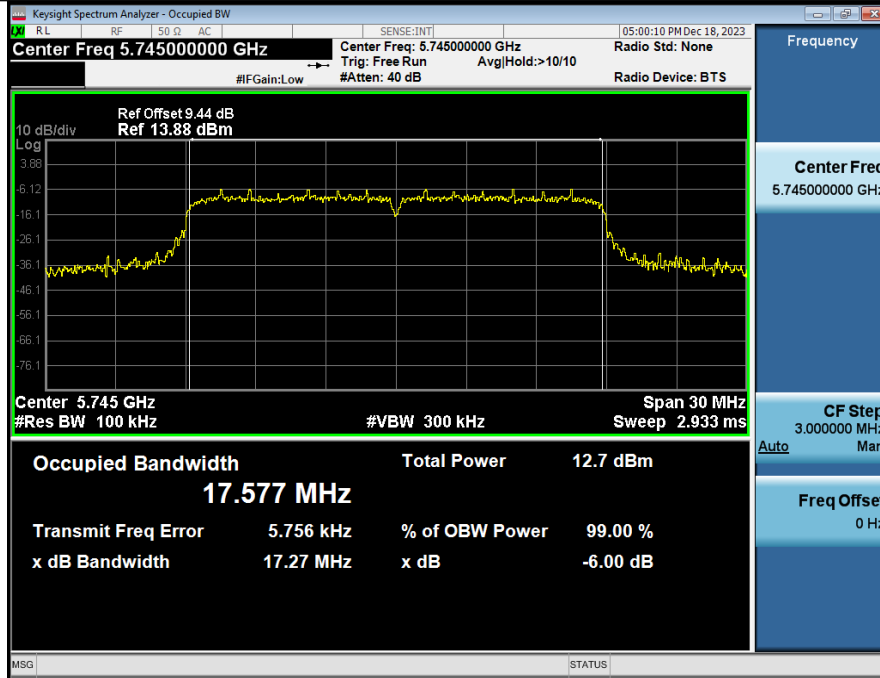
-6dB Emission Bandwidth NVNT_ANT1_802_11a_5785_20M



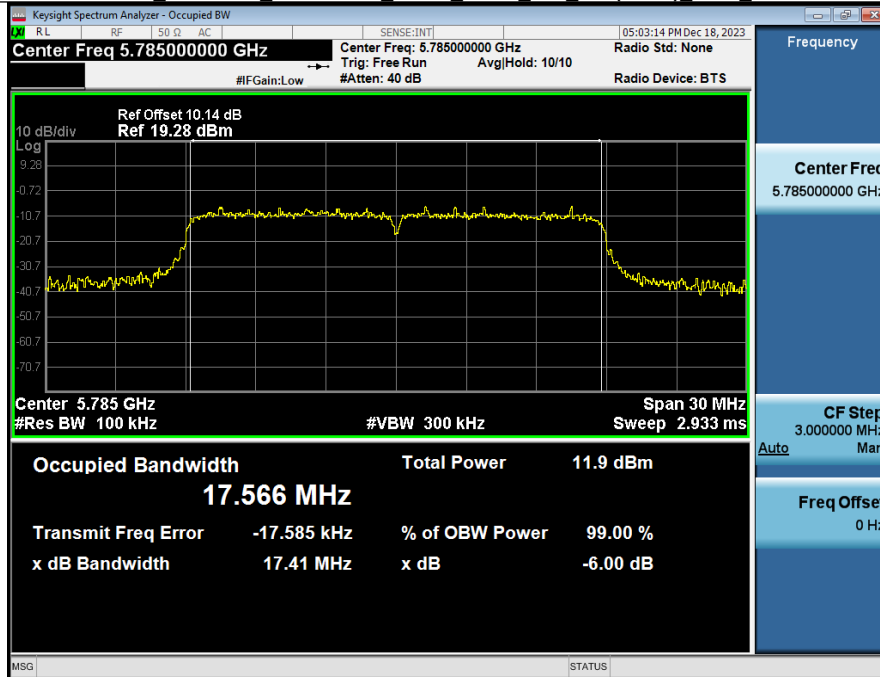
-6dB Emission Bandwidth NVNT_ANT1_802_11a_5825_20M



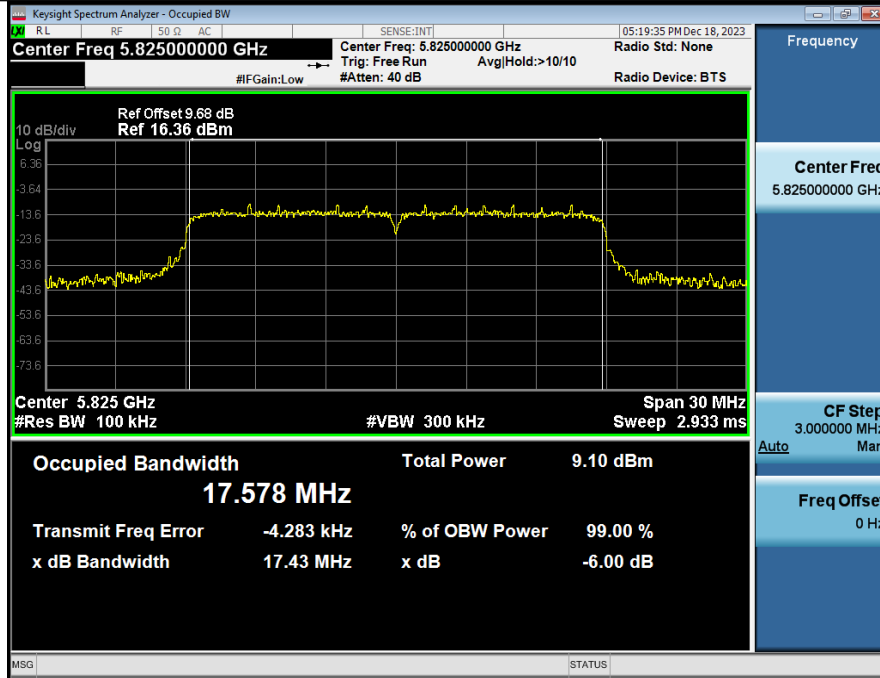
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20) 5745_20M



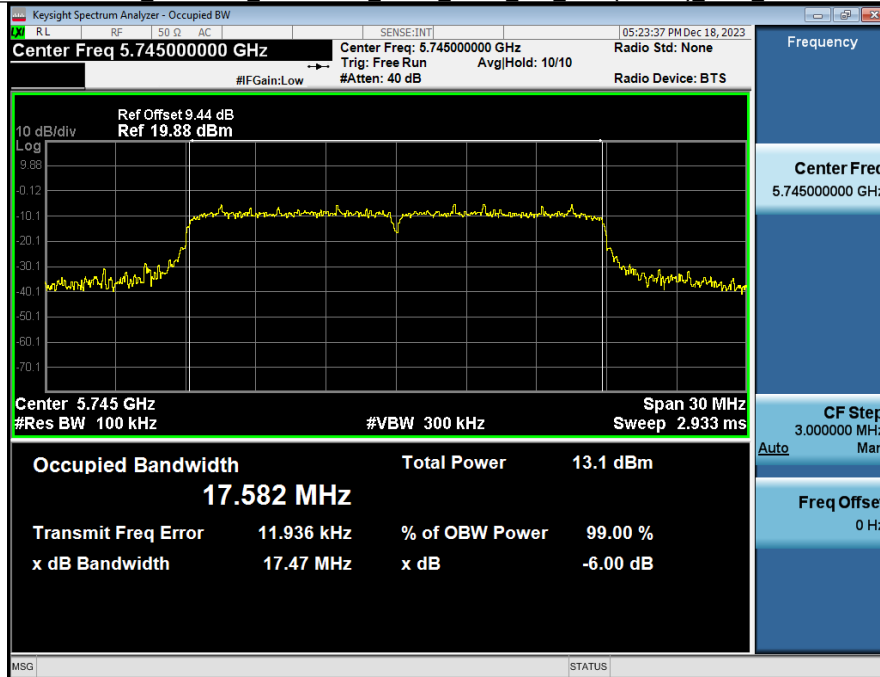
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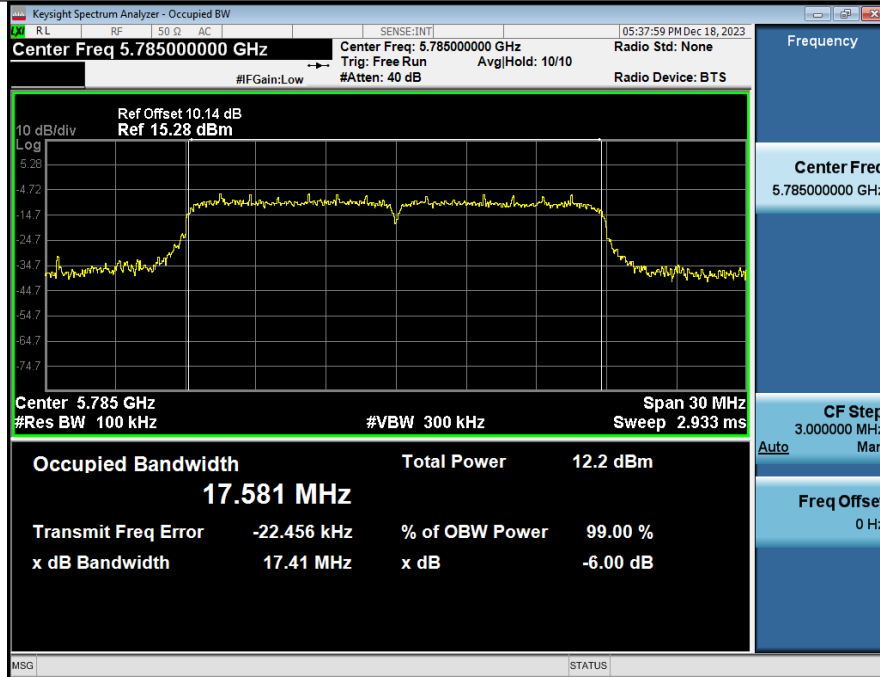
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20) 5825_20M



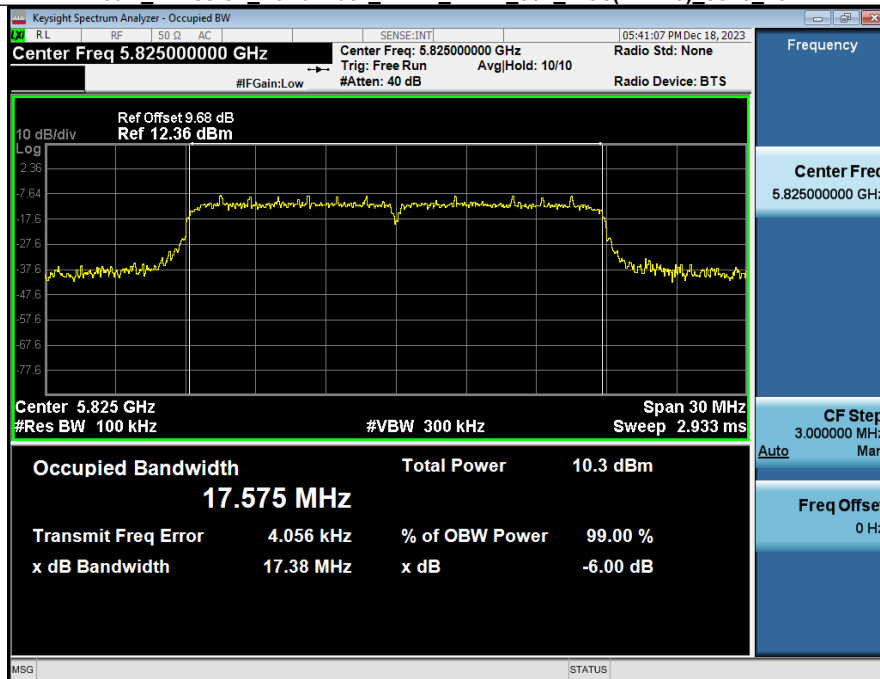
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20) 5745_20M



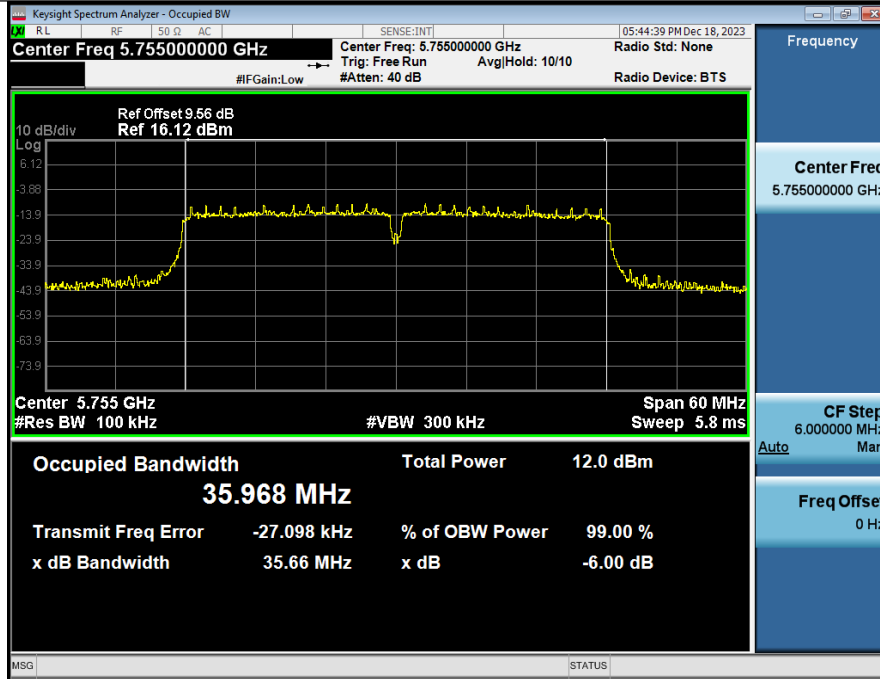
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5785_20M



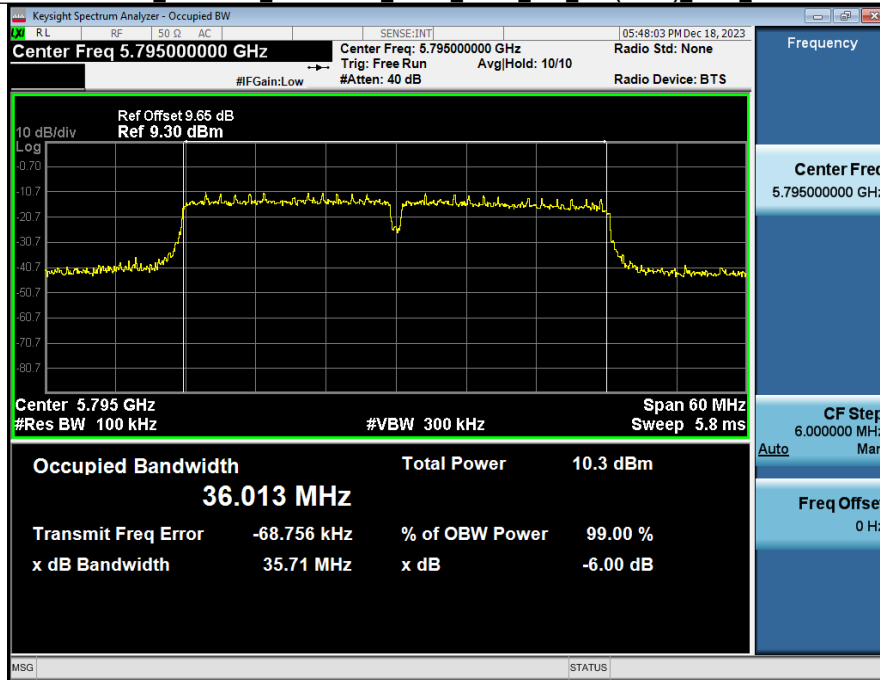
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5825_20M



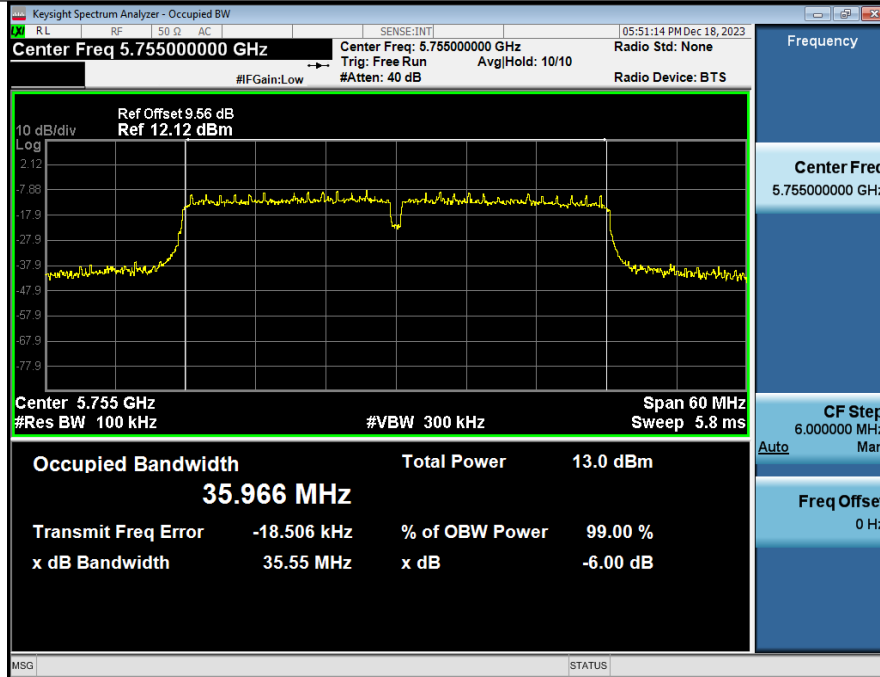
-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT40)_5755_40M



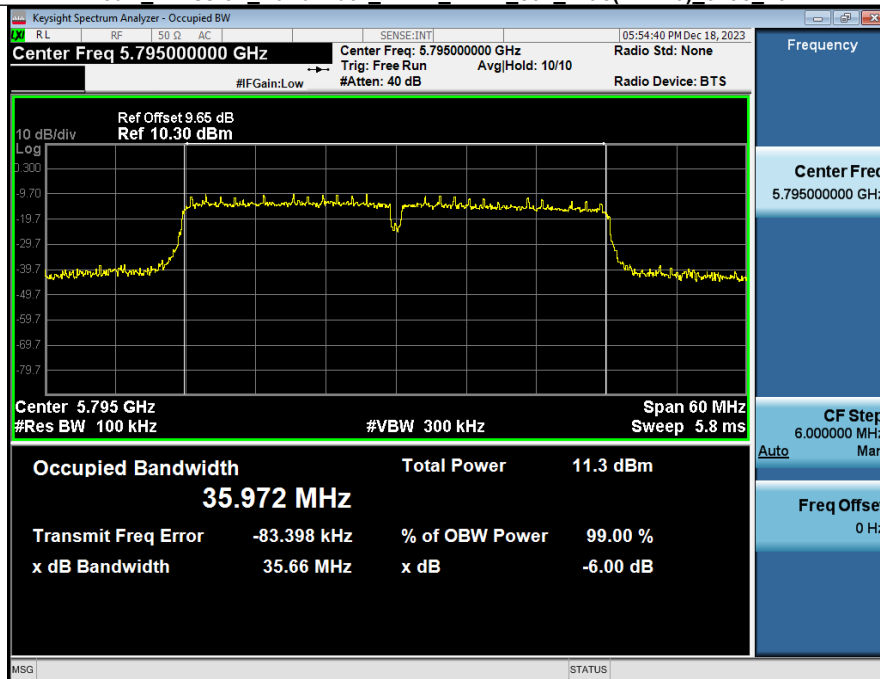
-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT40)_5795_40M



-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5755_40M

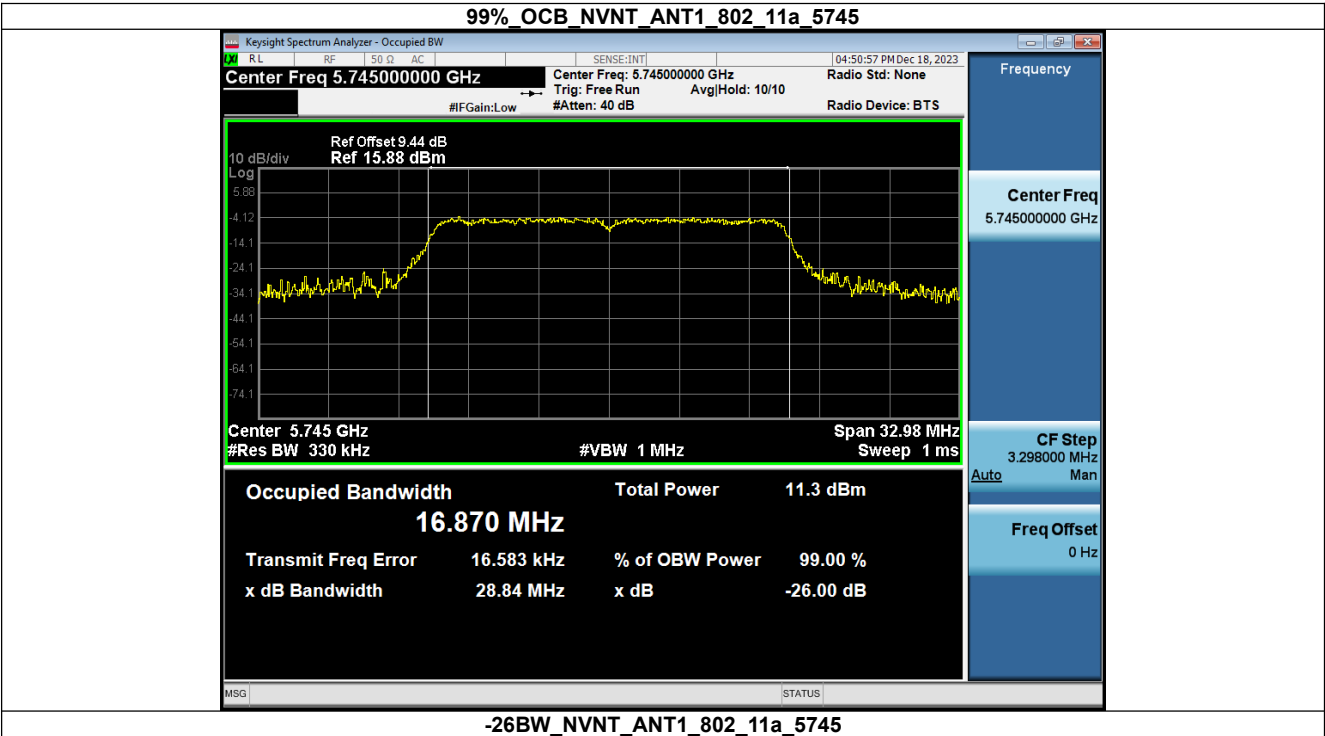


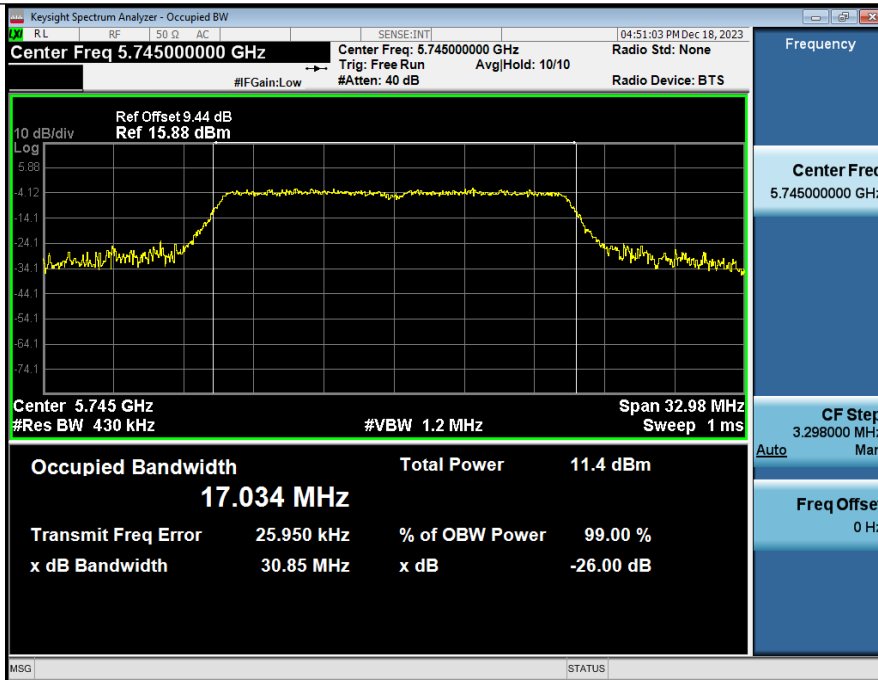
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5795_40M



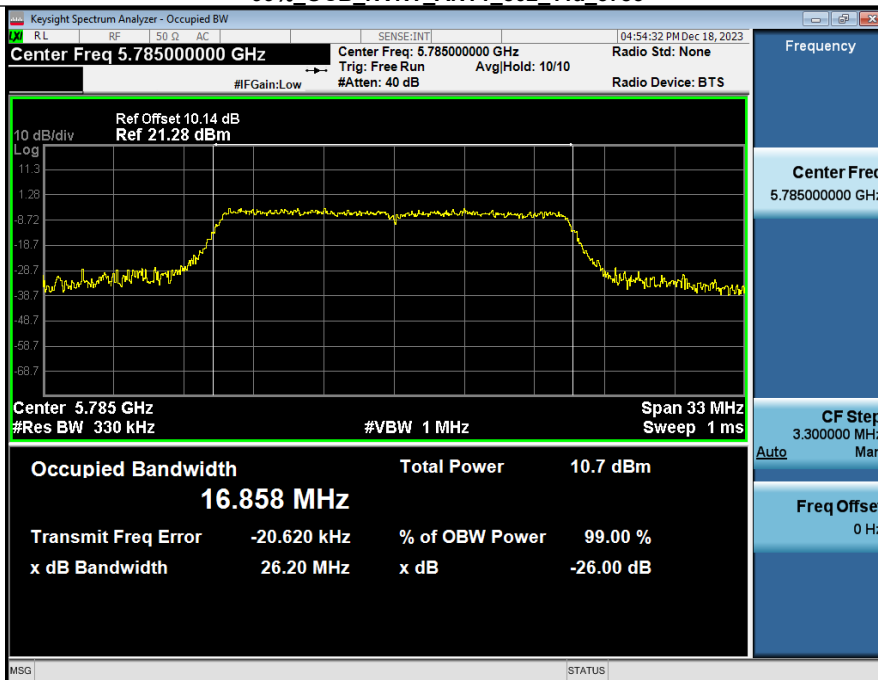
2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	30.85	16.87
NVNT	ANT1	802.11a	5785.00	29.12	16.86
NVNT	ANT1	802.11a	5825.00	28.96	16.90
NVNT	ANT1	802.11n(HT20)	5745.00	30.78	17.88
NVNT	ANT1	802.11n(HT20)	5785.00	28.39	17.83
NVNT	ANT1	802.11n(HT20)	5825.00	30.56	17.85
NVNT	ANT1	802.11ac(VHT20)	5745.00	31.03	17.86
NVNT	ANT1	802.11ac(VHT20)	5785.00	32.61	17.86
NVNT	ANT1	802.11ac(VHT20)	5825.00	29.75	17.82
NVNT	ANT1	802.11n(HT40)	5755.00	48.21	36.32
NVNT	ANT1	802.11n(HT40)	5795.00	56.18	36.32
NVNT	ANT1	802.11ac(VHT40)	5755.00	46.63	36.23
NVNT	ANT1	802.11ac(VHT40)	5795.00	53.79	36.35

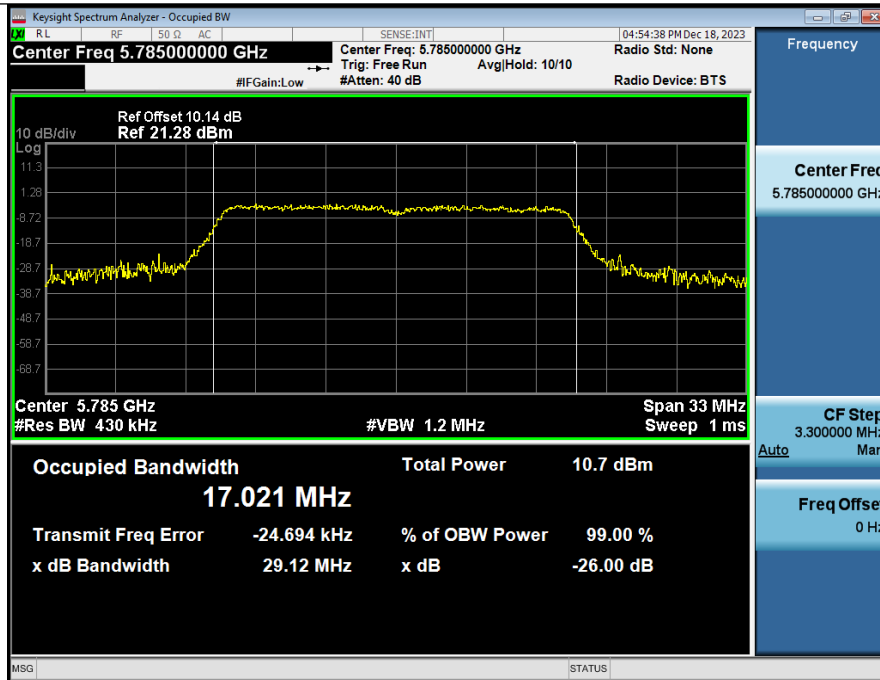




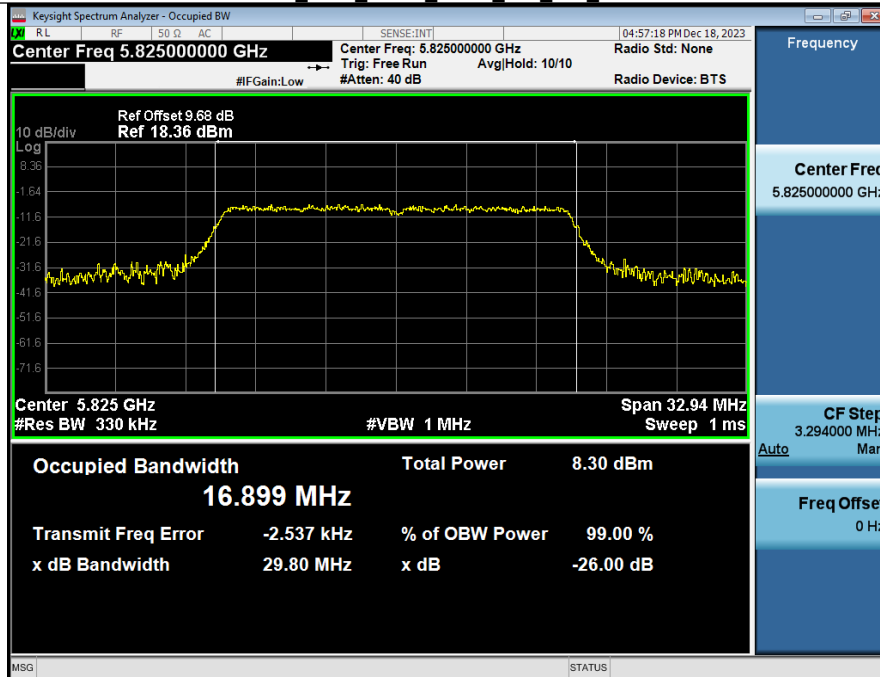
99% OCB NVNT_ANT1_802_11a_5785



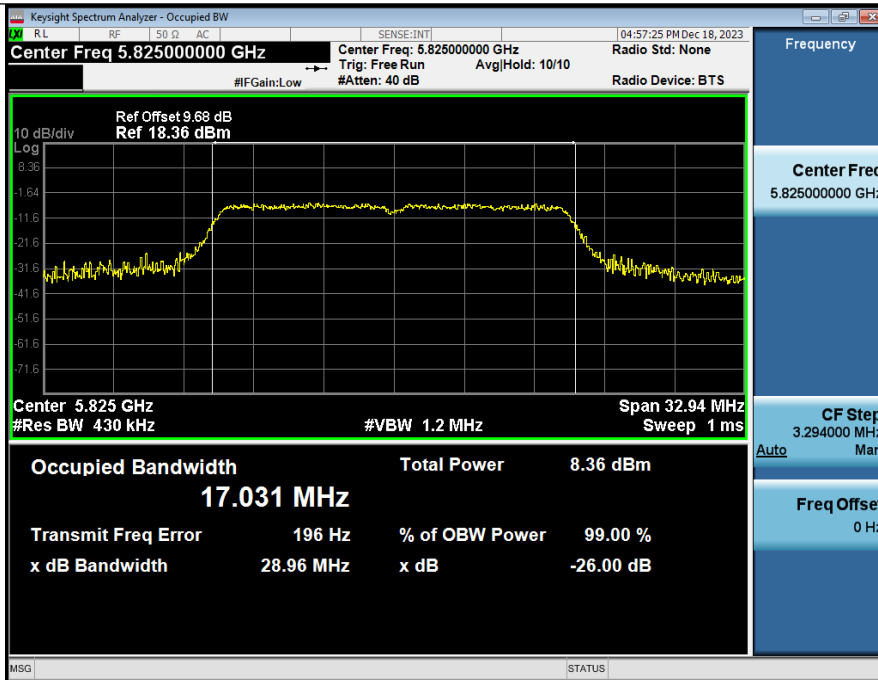
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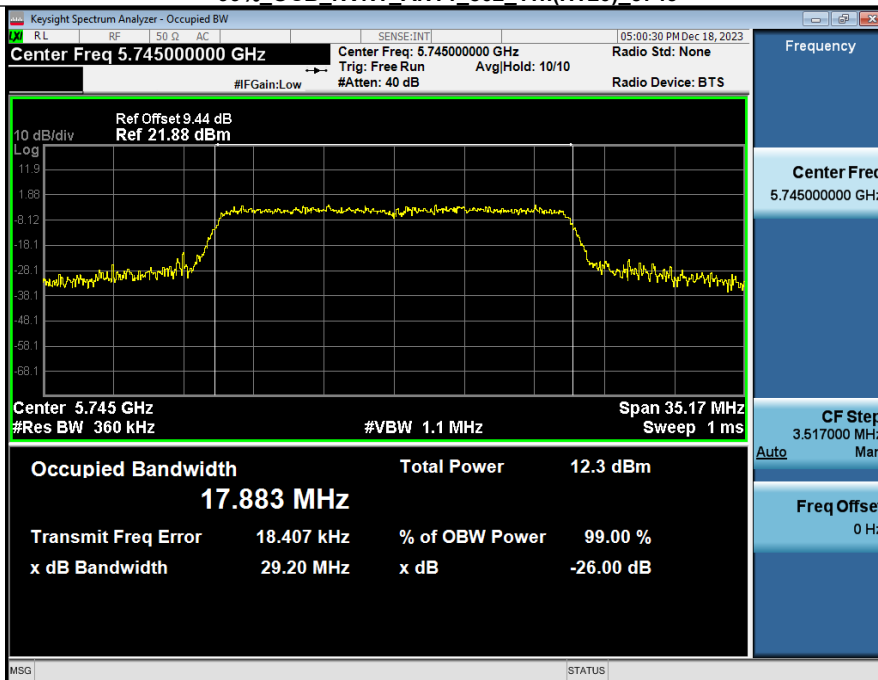
99% OCB NVNT_ANT1_802_11a_5825



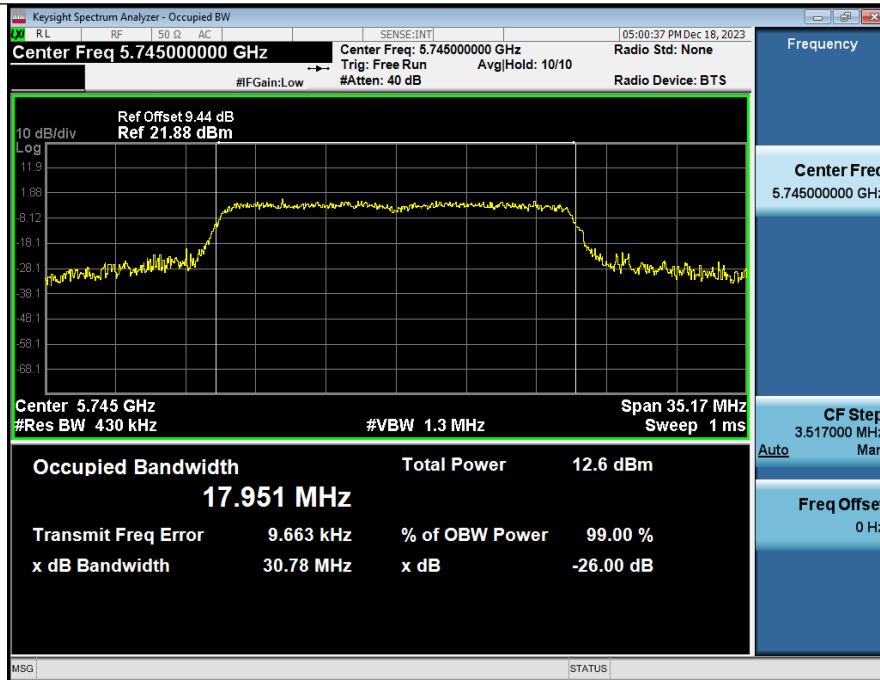
-26BW_NVNT_ANT1_802_11a_5825



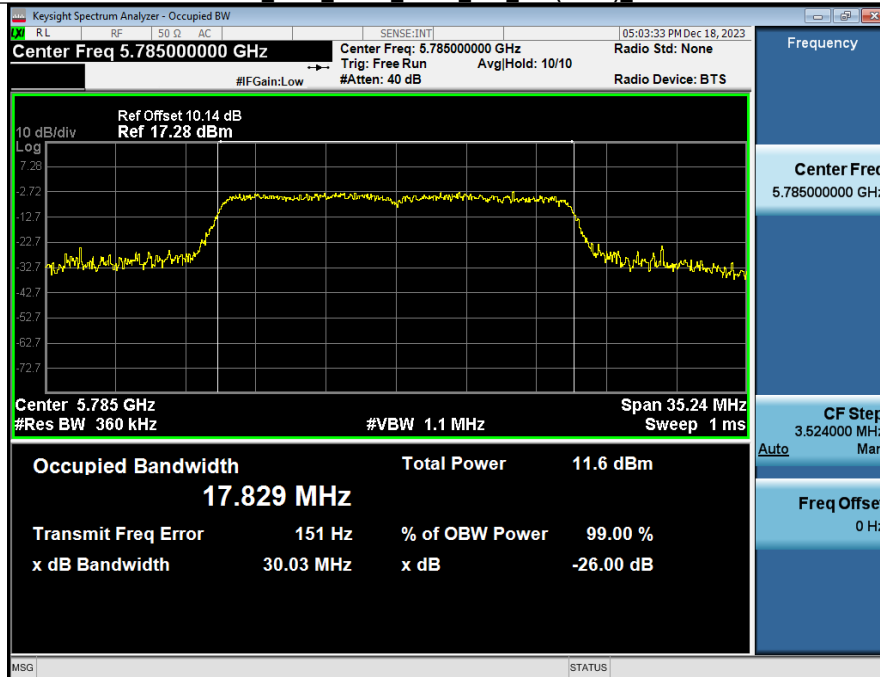
99%_OCB_NVNT_ANT1_802_11n(HT20)_5745



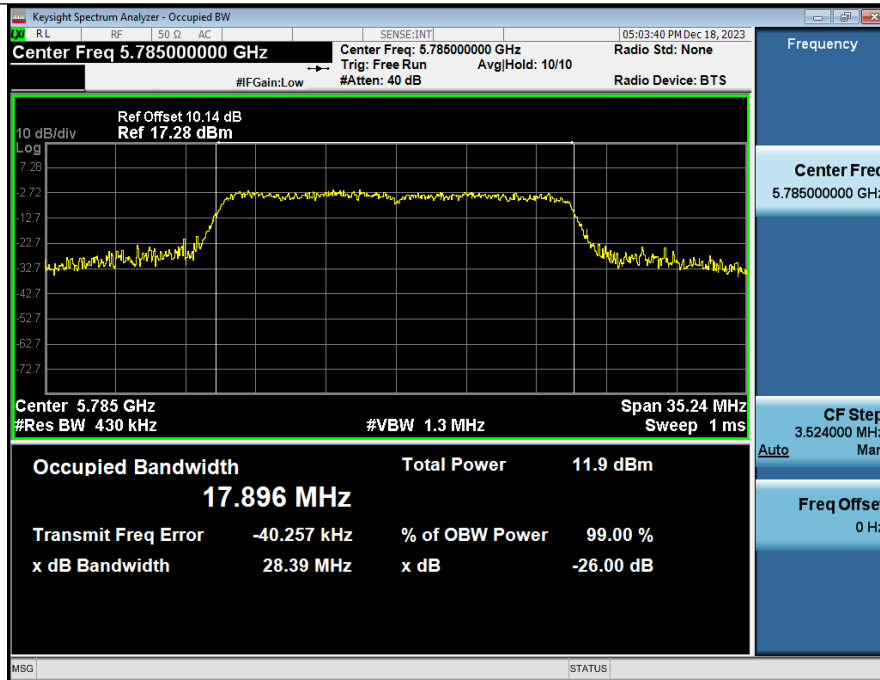
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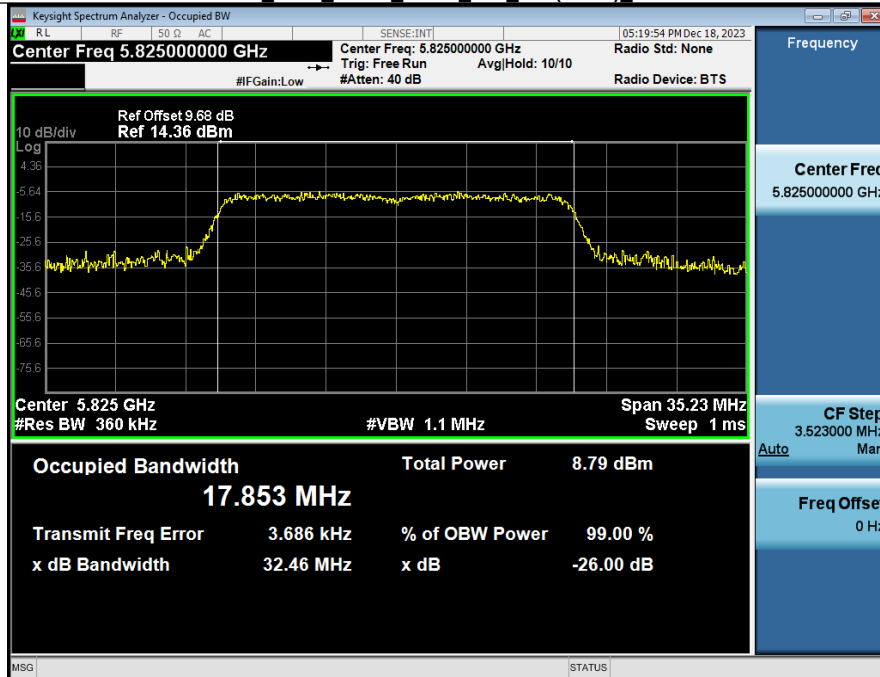
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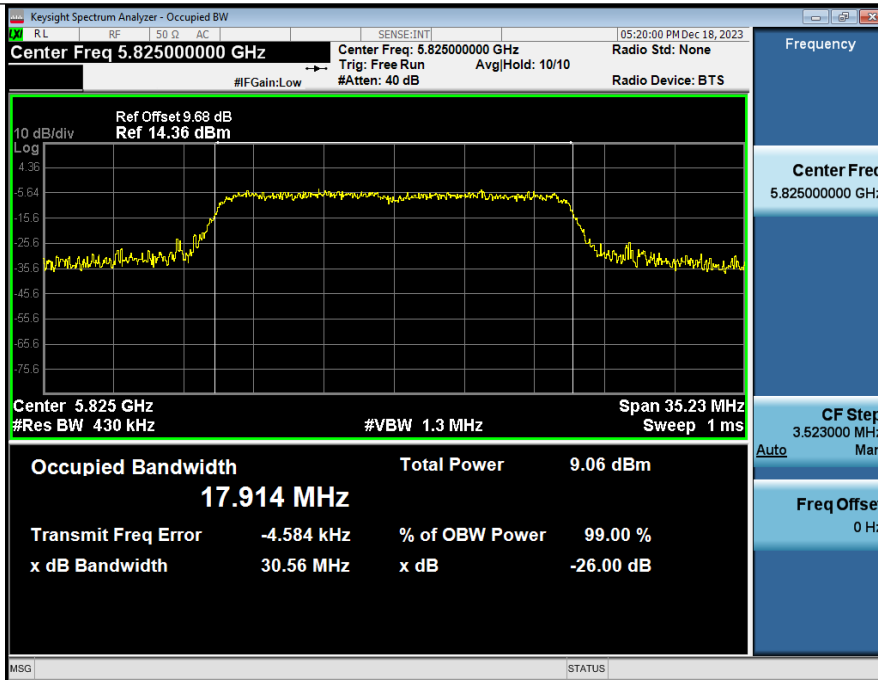
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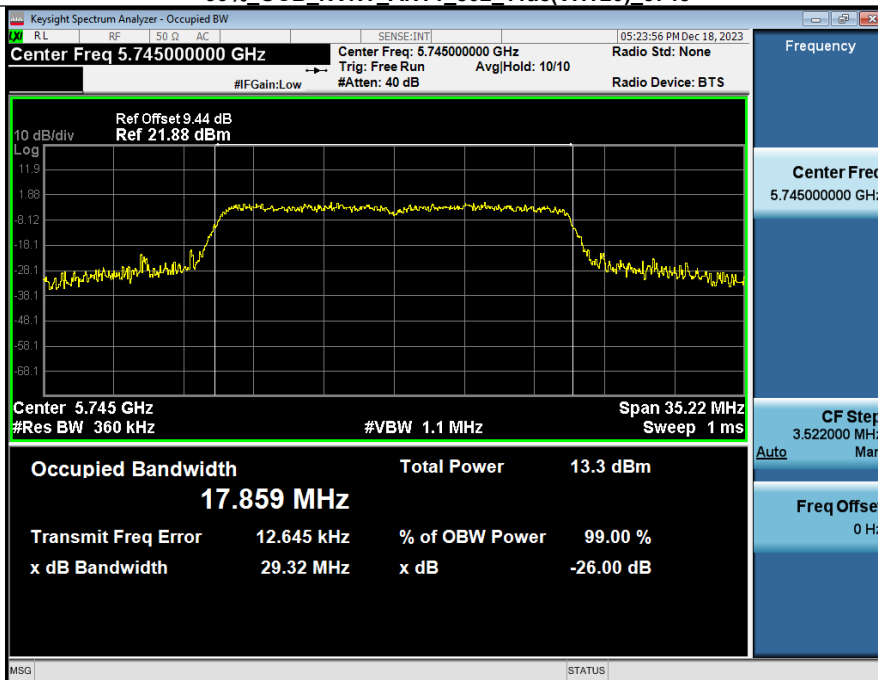
99%_OCB_NVNT_ANT1_802_11n(HT20)_5825



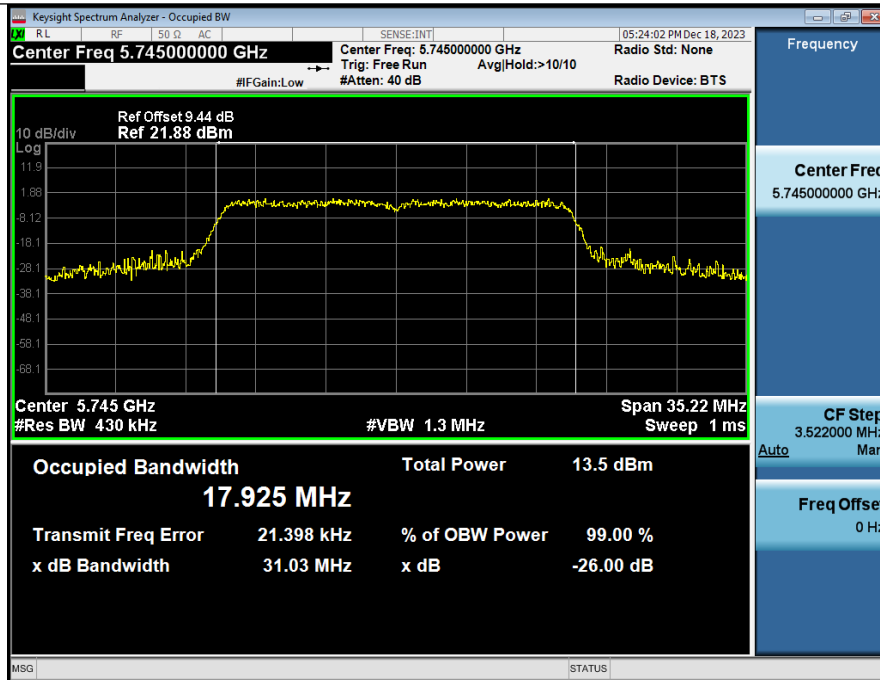
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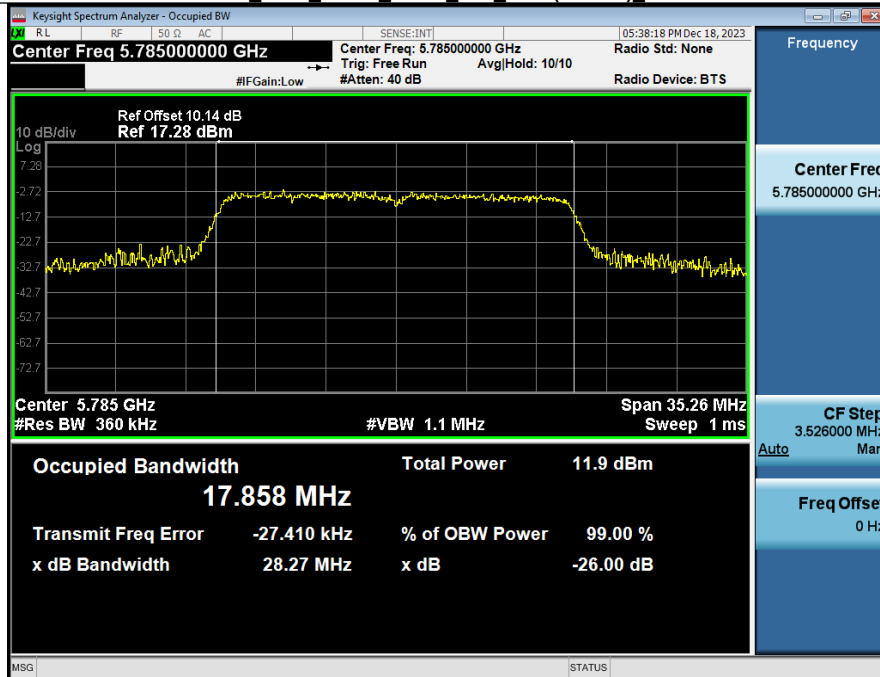
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5745



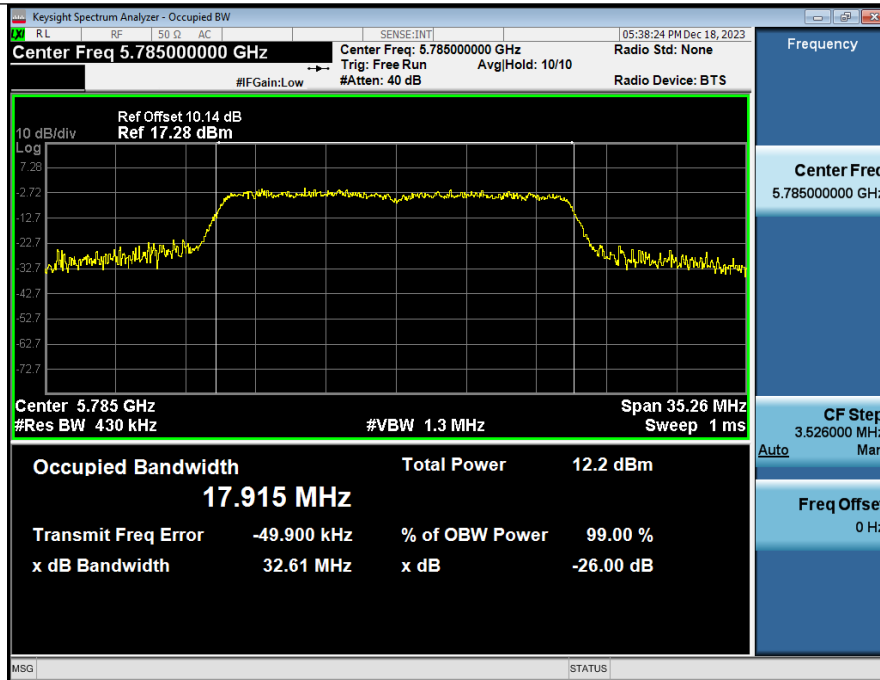
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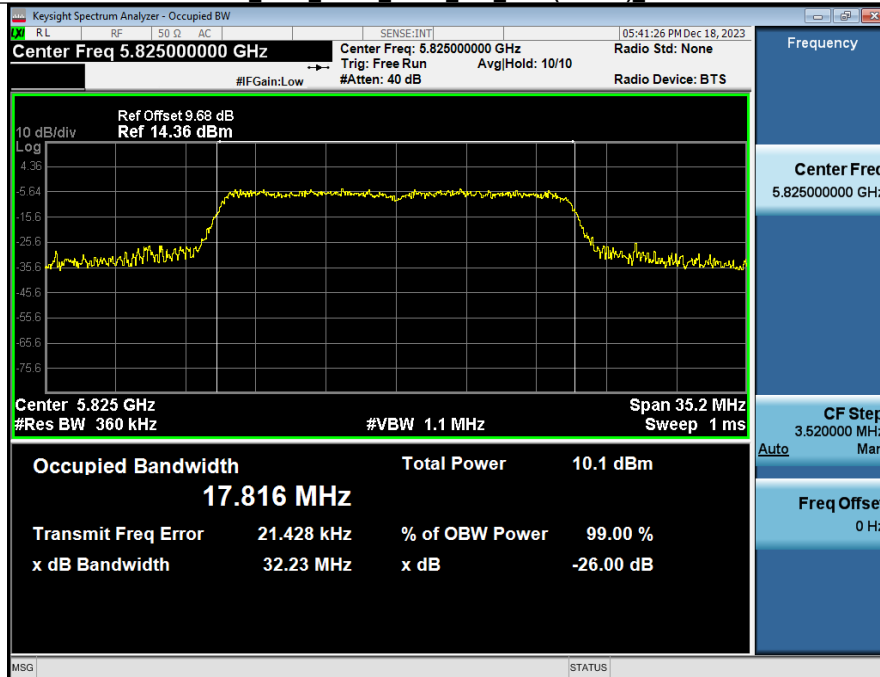
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5785



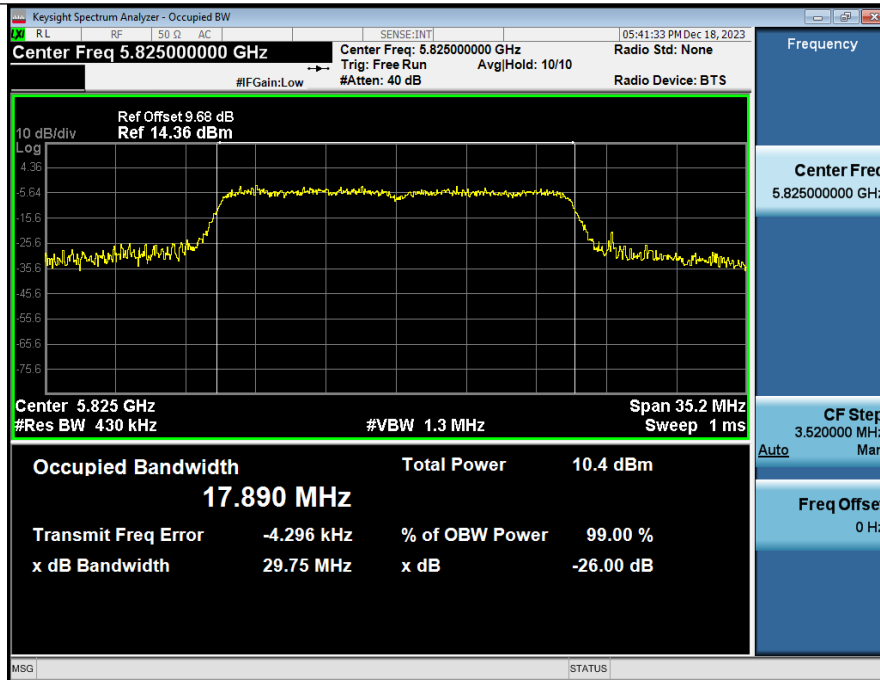
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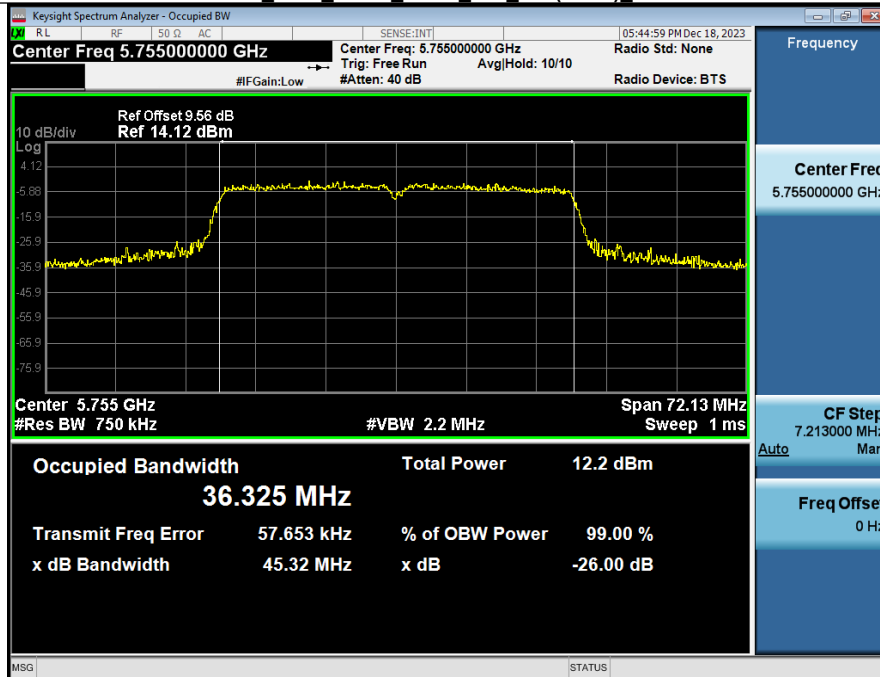
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5825



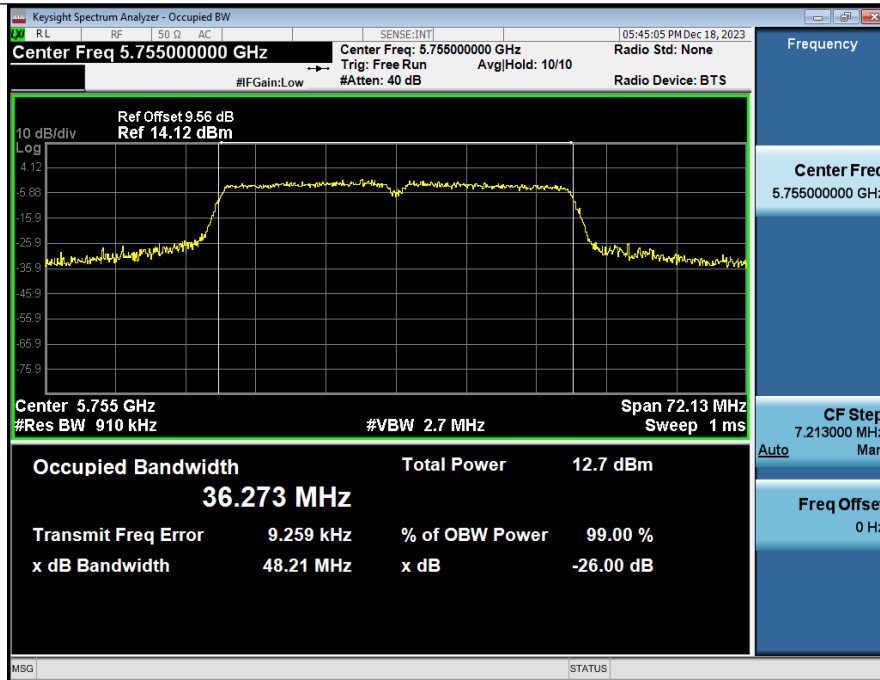
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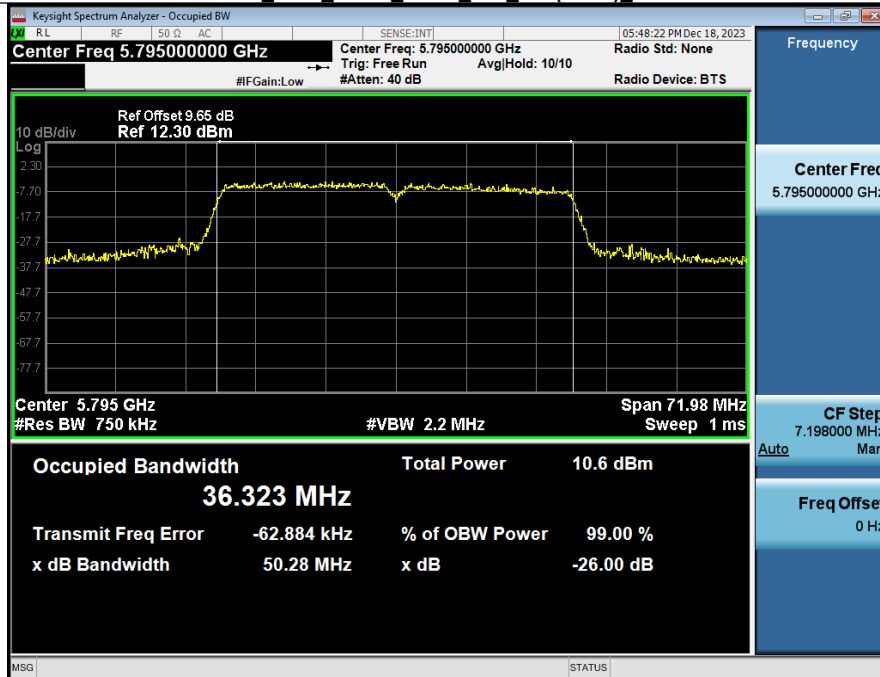
99%_OCB_NVNT_ANT1_802_11n(HT40)_5755



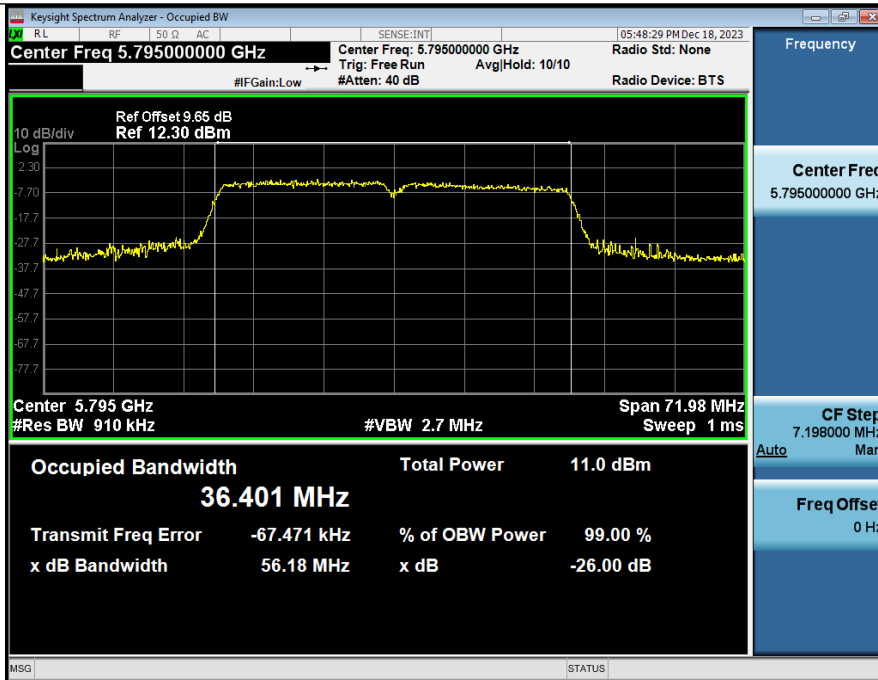
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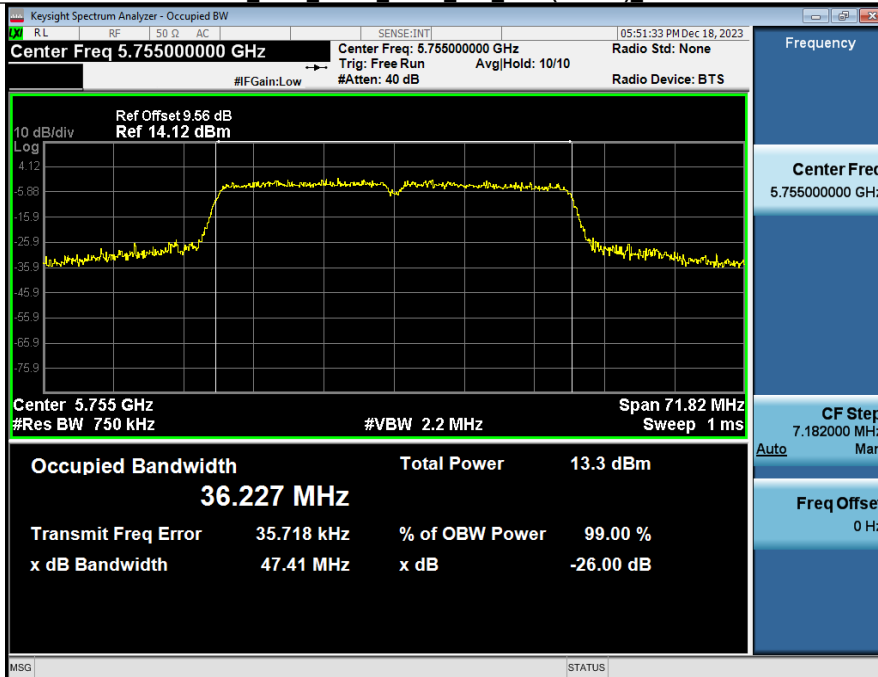
99%_OCB_NVNT_ANT1_802_11n(HT40)_5795



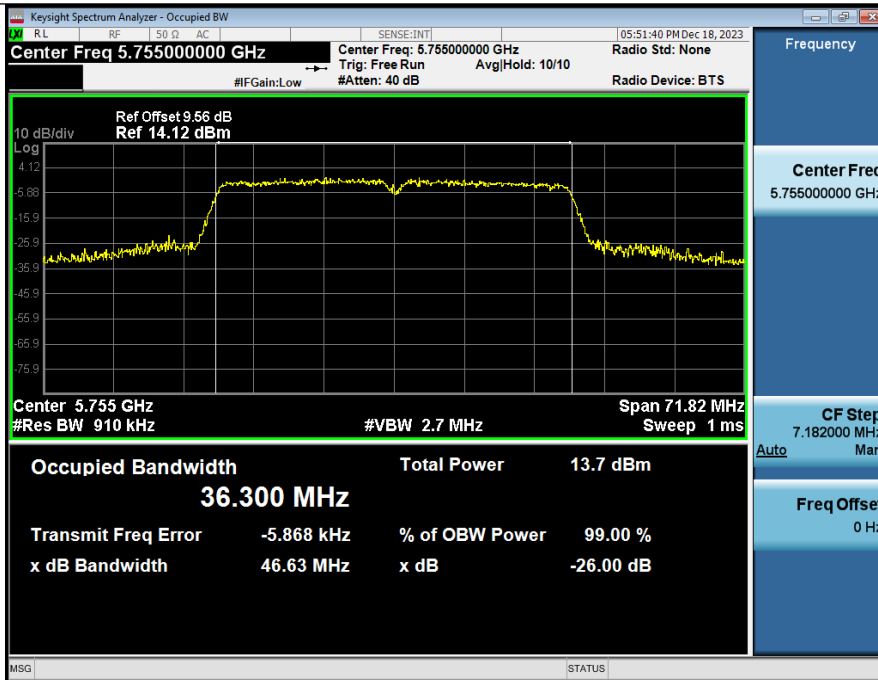
-26BW_NVNT_ANT1_802_11n(HT40)_5795



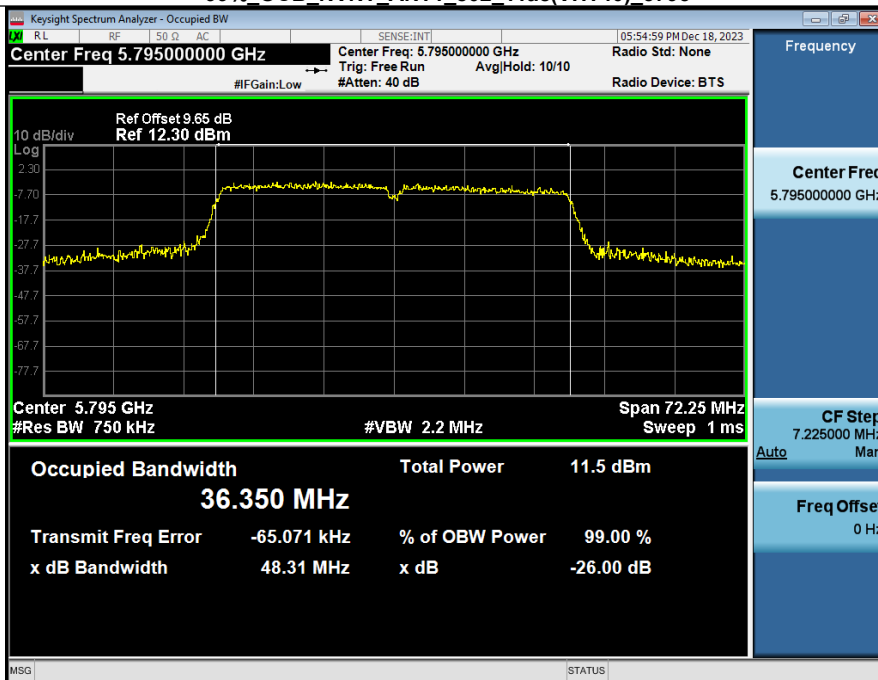
99% OCB_NVNT_ANT1_802_11ac(VHT40)_5755



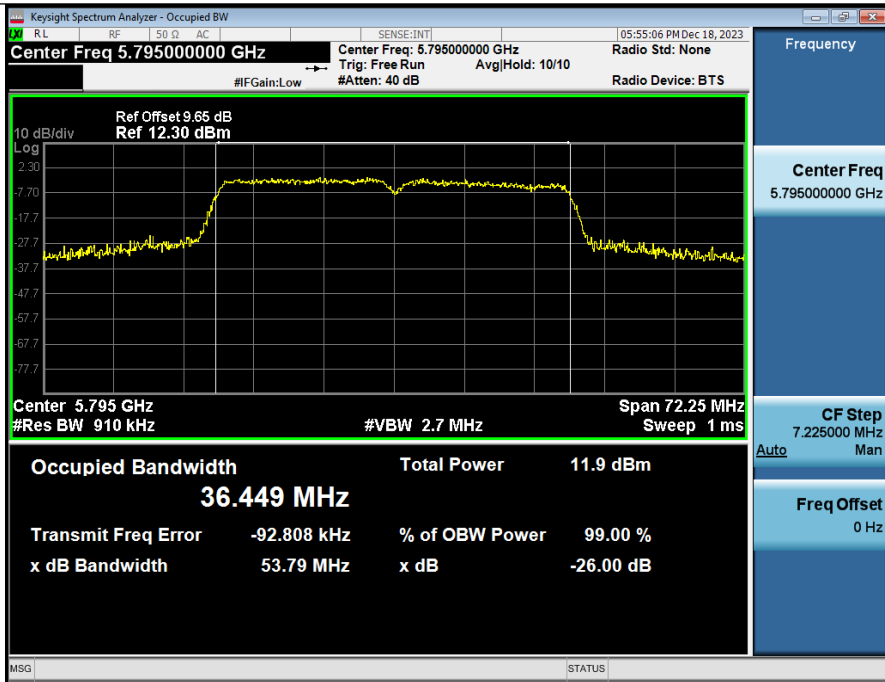
-26BW_NVNT_ANT1_802_11ac(VHT40)_5755



99% OCB_NVNT_ANT1_802_11ac(VHT40)_5795

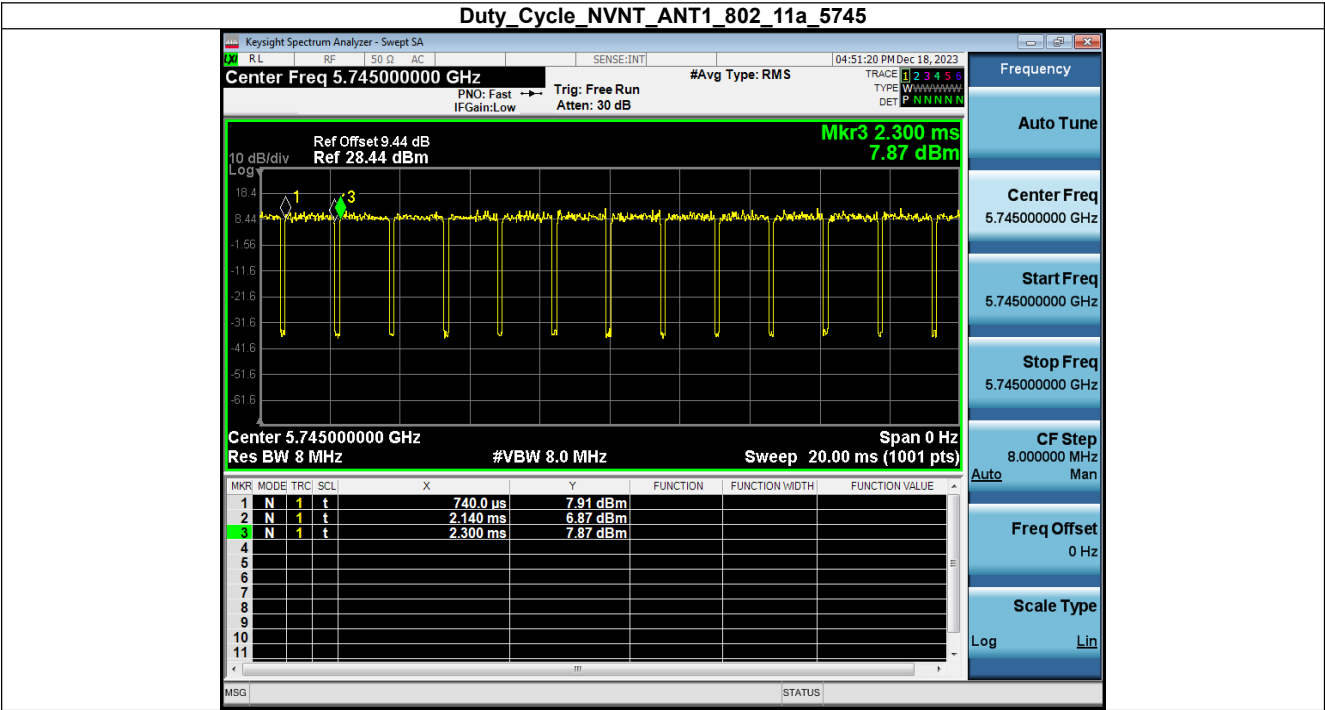


-26BW_NVNT_ANT1_802_11ac(VHT40)_5795

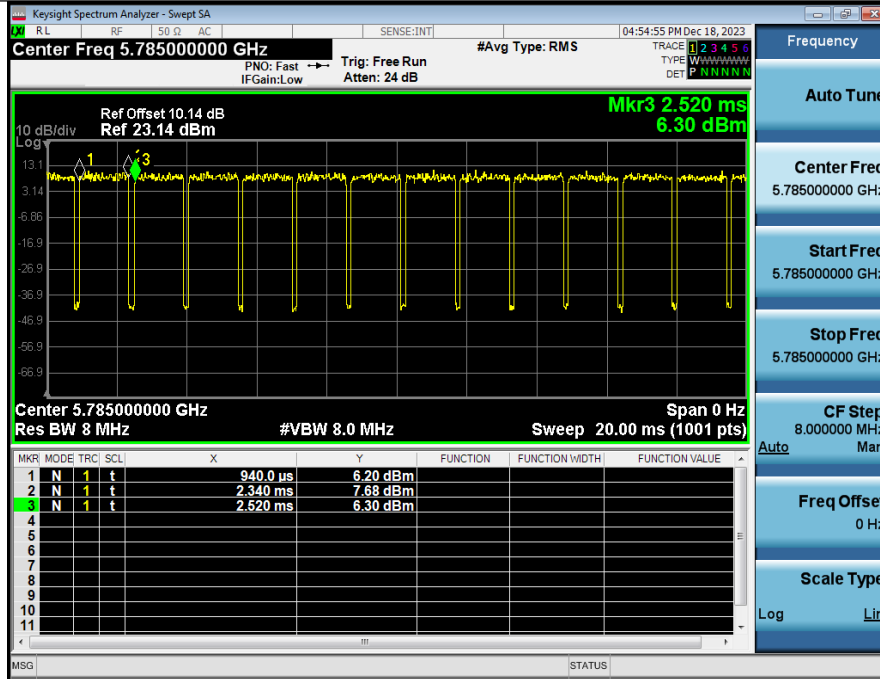


3. Duty Cycle

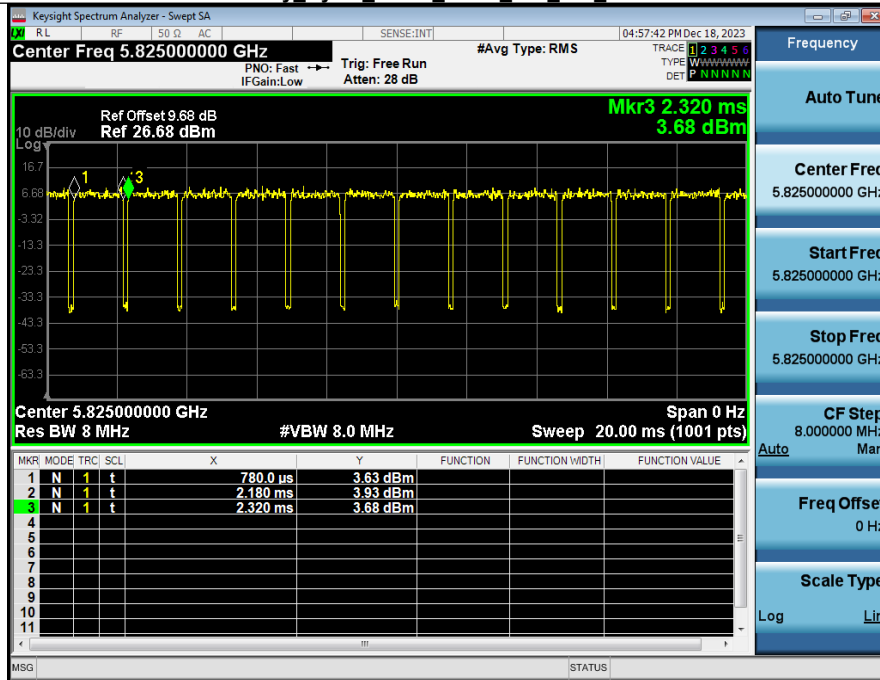
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	89.74	0.47
NVNT	ANT1	802.11a	5785.00	88.61	0.53
NVNT	ANT1	802.11a	5825.00	90.91	0.41
NVNT	ANT1	802.11n(HT20)	5745.00	88.06	0.55
NVNT	ANT1	802.11n(HT20)	5785.00	88.06	0.55
NVNT	ANT1	802.11n(HT20)	5825.00	88.06	0.55
NVNT	ANT1	802.11ac(VHT20)	5745.00	89.55	0.48
NVNT	ANT1	802.11ac(VHT20)	5785.00	88.06	0.55
NVNT	ANT1	802.11ac(VHT20)	5825.00	88.06	0.55
NVNT	ANT1	802.11n(HT40)	5755.00	78.38	1.06
NVNT	ANT1	802.11n(HT40)	5795.00	78.38	1.06
NVNT	ANT1	802.11ac(VHT40)	5755.00	78.38	1.06
NVNT	ANT1	802.11ac(VHT40)	5795.00	81.08	0.91



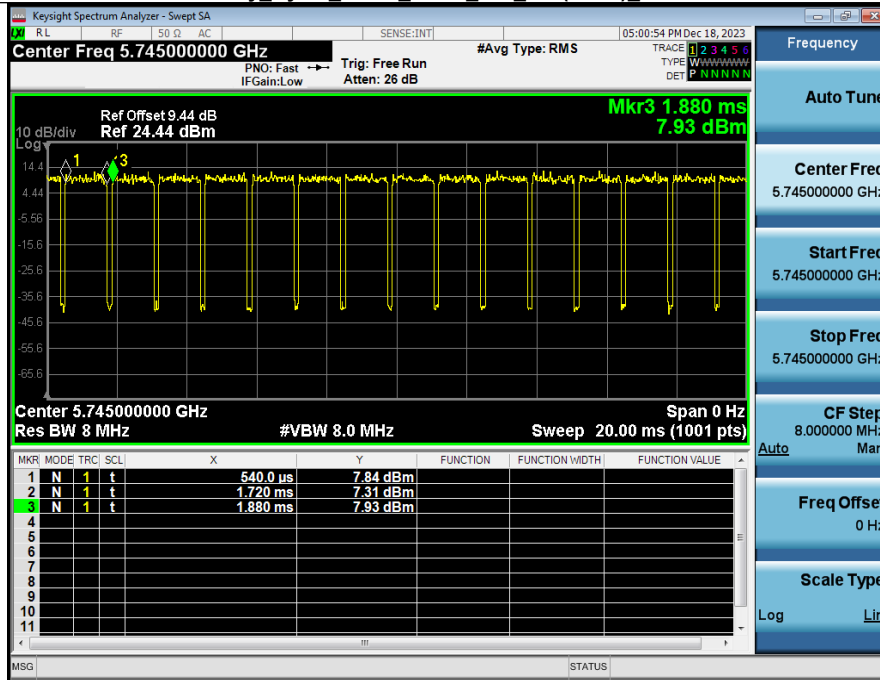
Duty Cycle NVNT_ANT1_802_11a_5785



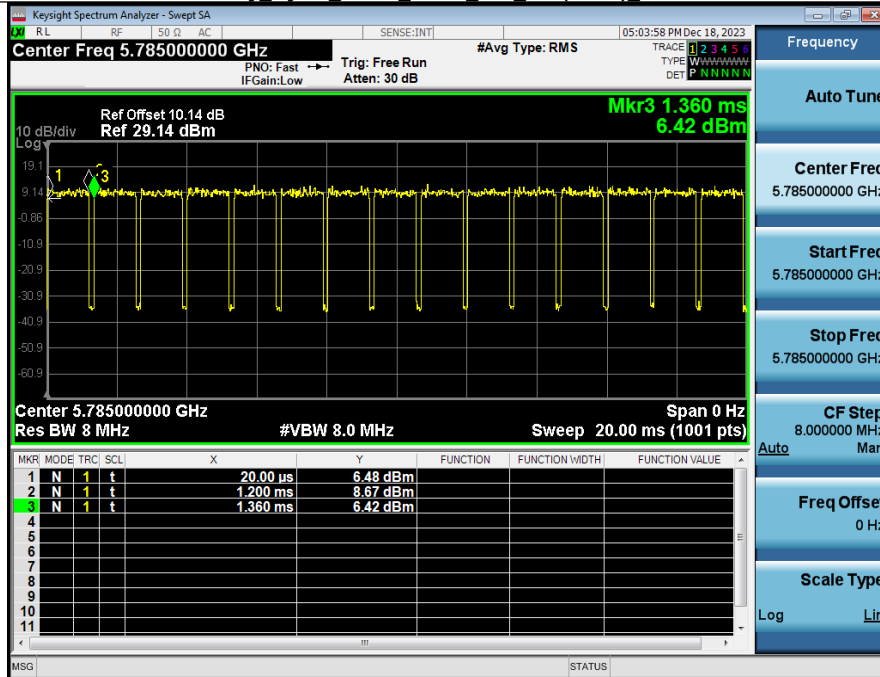
Duty Cycle NVNT_ANT1_802_11a_5825



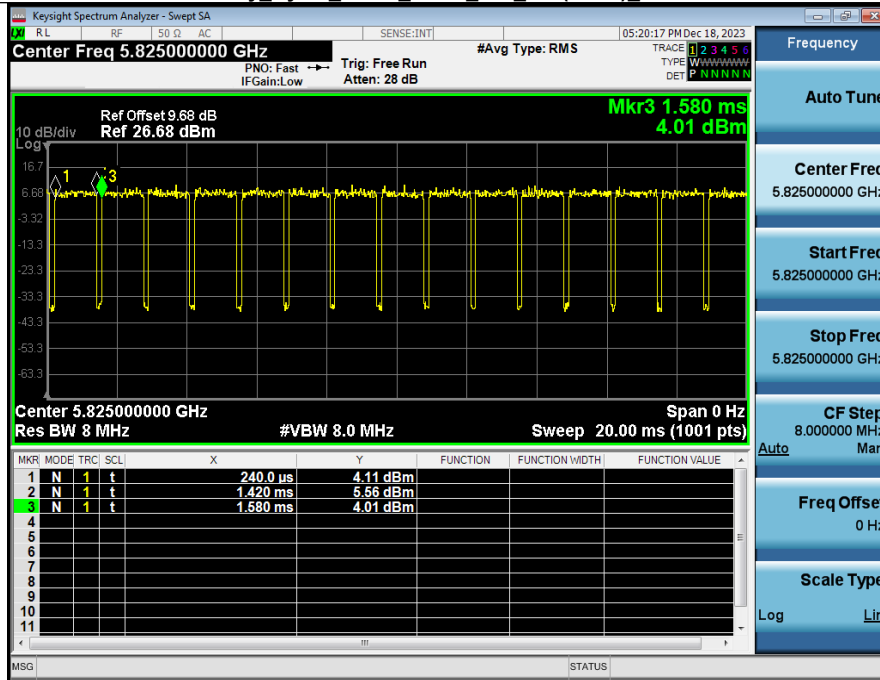
Duty Cycle NVNT_ANT1_802_11n(HT20)_5745



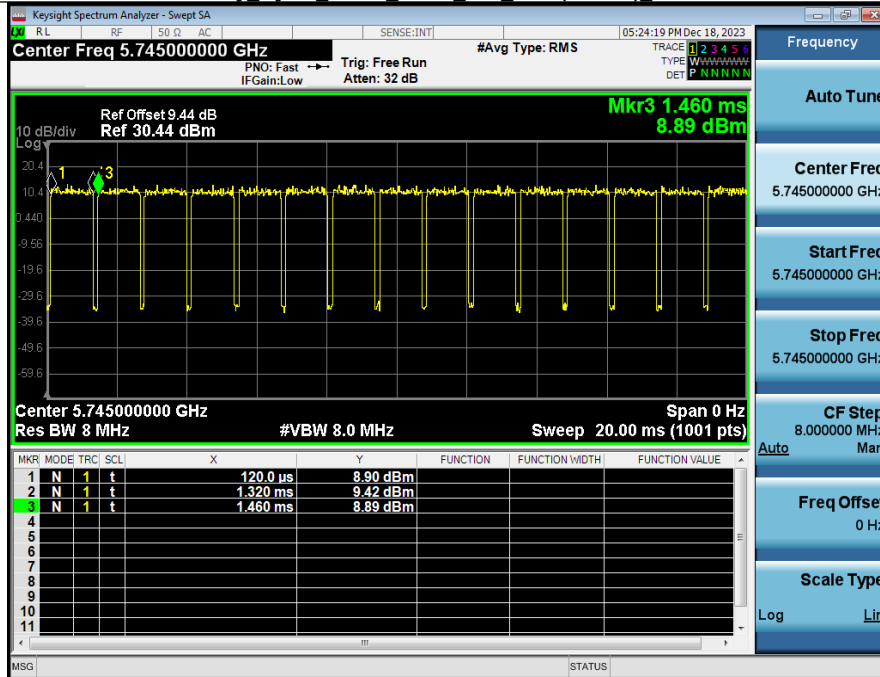
Duty Cycle NVNT_ANT1_802_11n(HT20)_5785



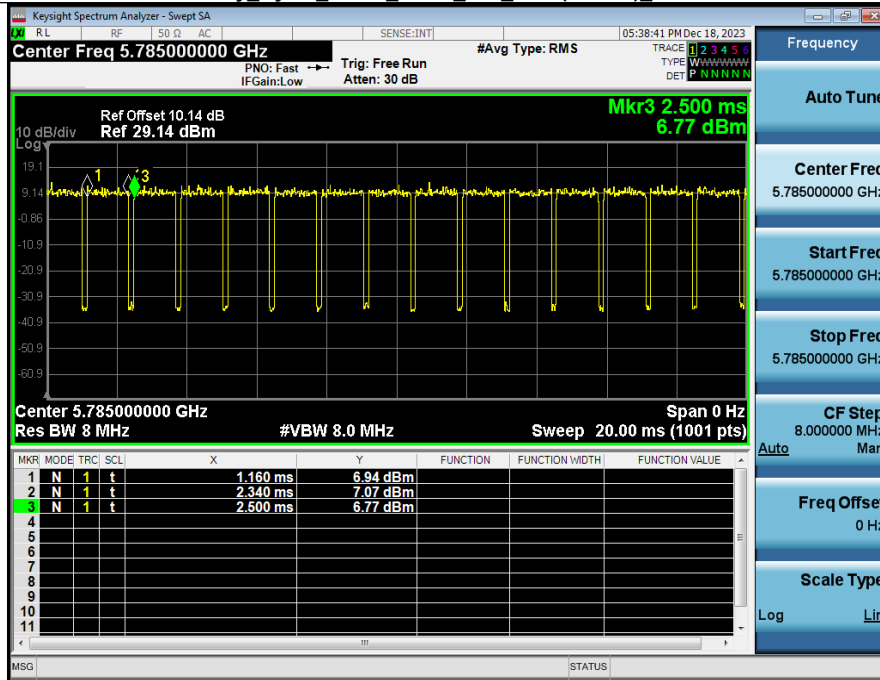
Duty Cycle NVNT_ANT1_802_11n(HT20)_5825



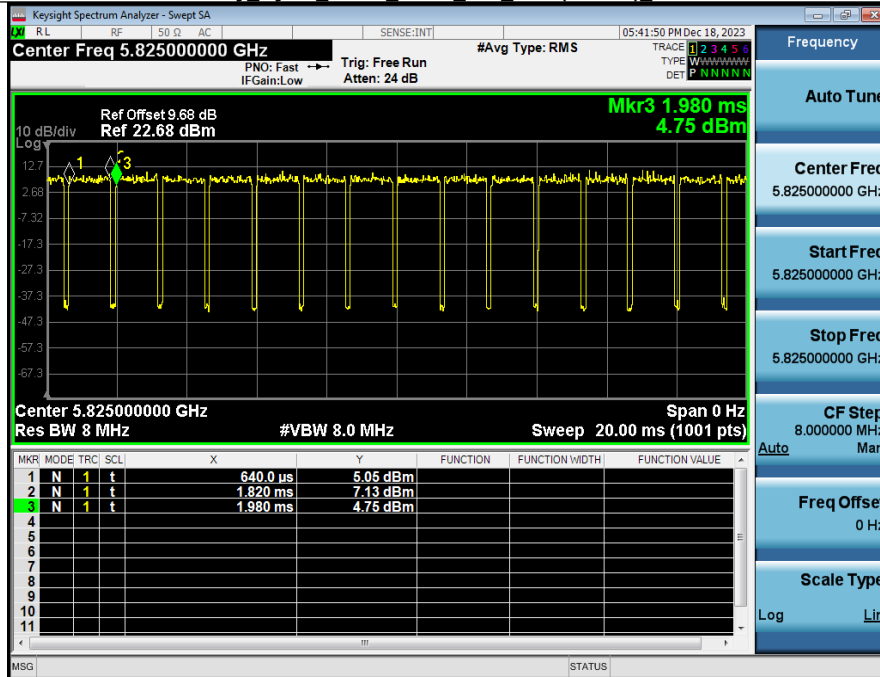
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5745



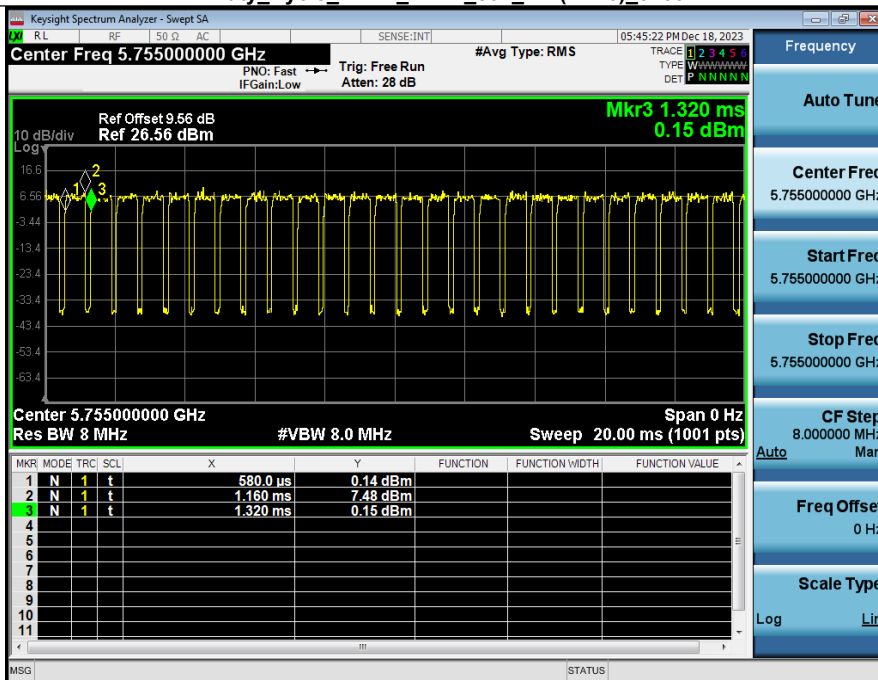
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5785



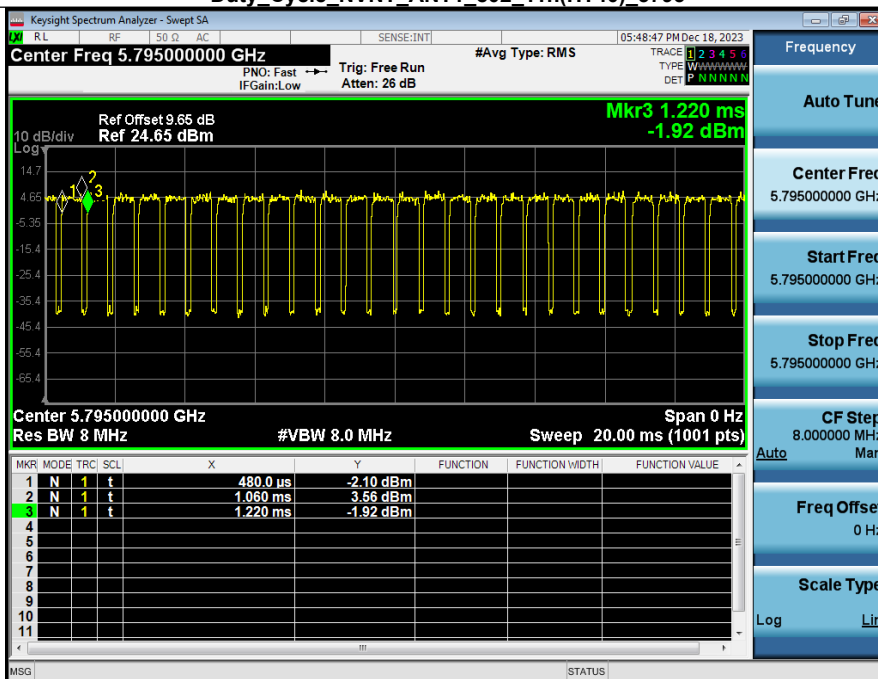
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5825



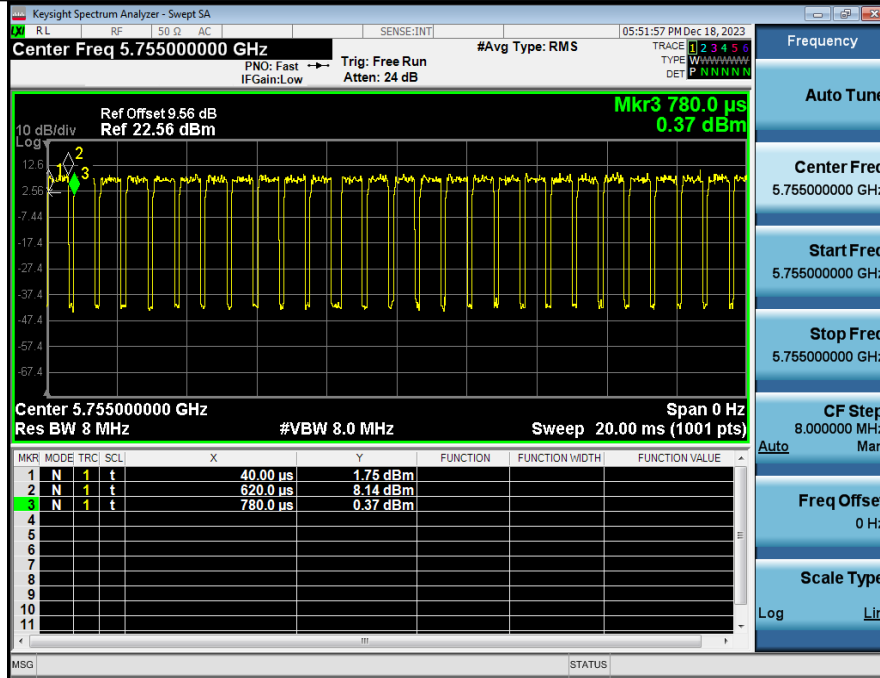
Duty Cycle NVNT_ANT1_802_11n(HT40)_5755



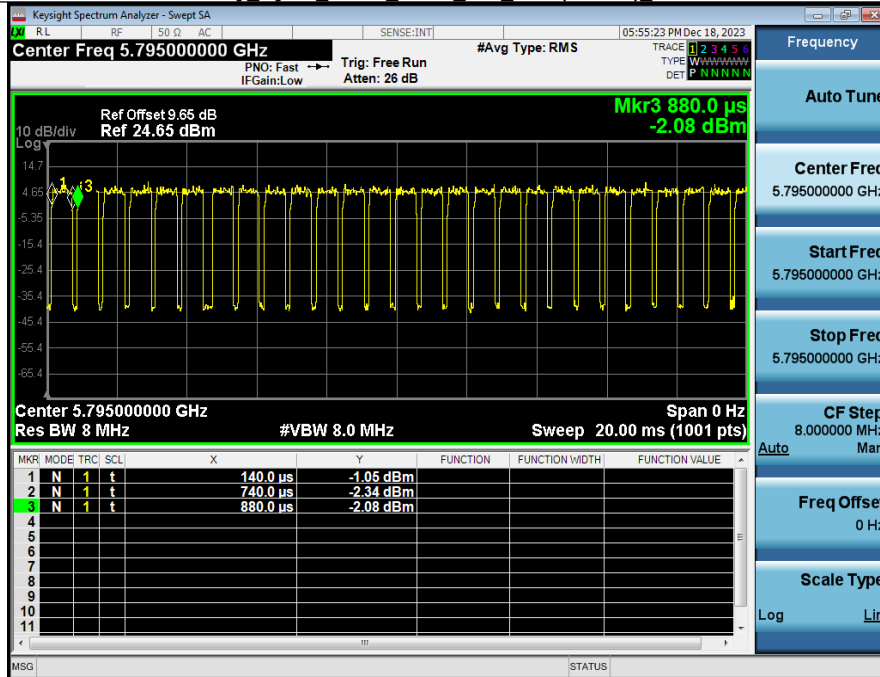
Duty Cycle NVNT_ANT1_802_11n(HT40)_5795



Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5755

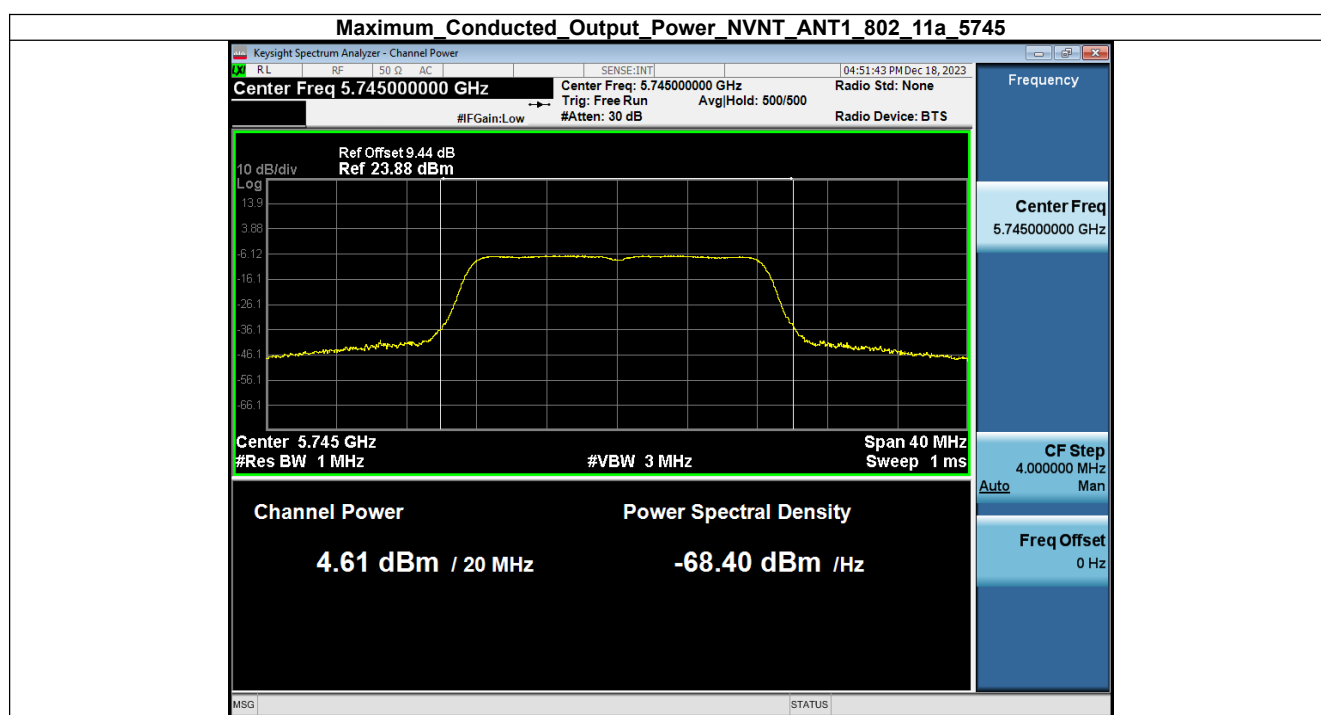


Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5795

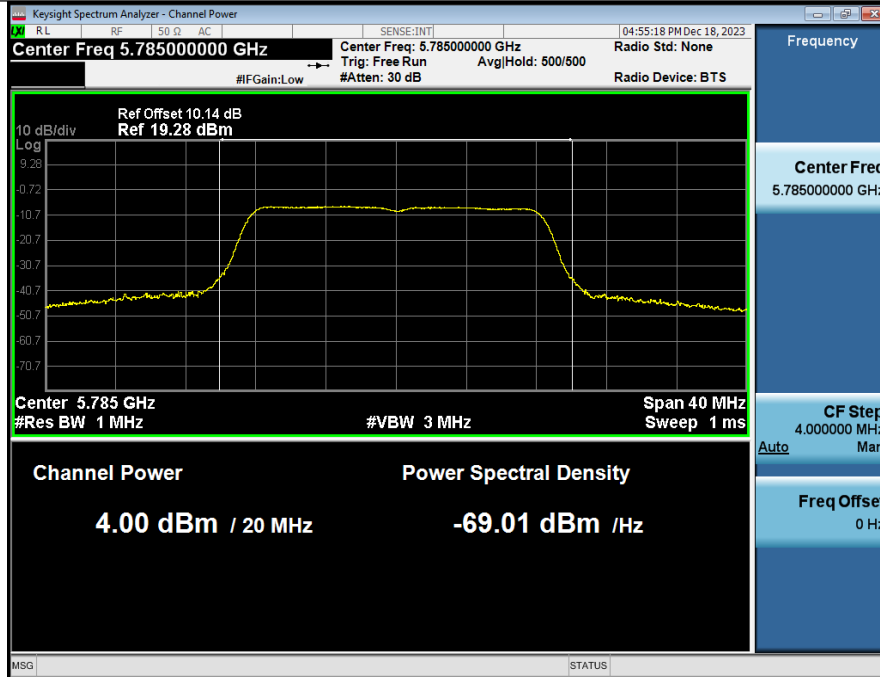


4. Maximum Conducted Output Power

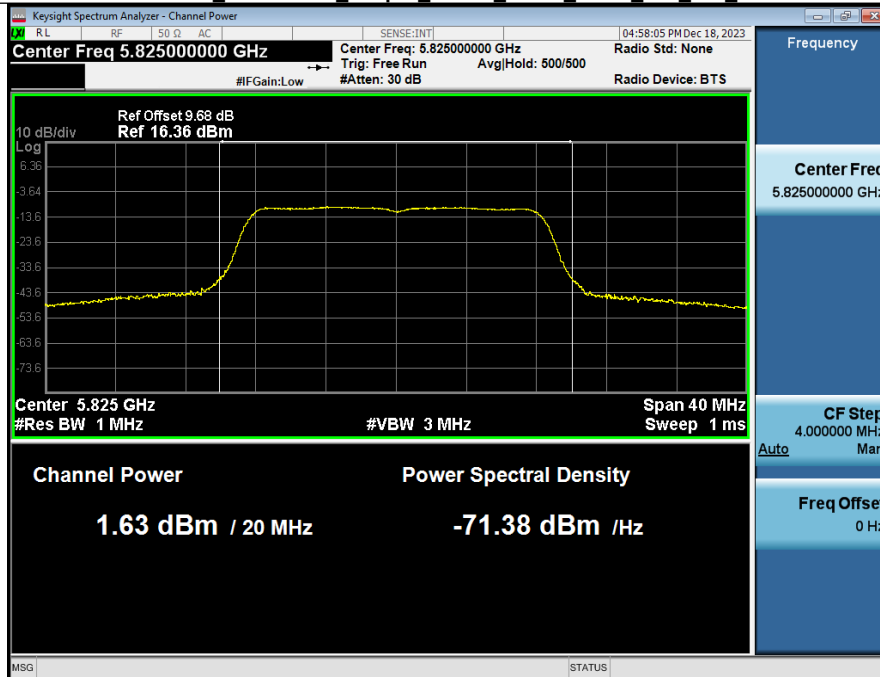
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	4.61	0.47	5.08	30	Pass
NVNT	ANT1	802.11a	5785.00	4.00	0.53	4.53	30	Pass
NVNT	ANT1	802.11a	5825.00	1.63	0.41	2.04	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	5.38	0.55	5.93	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	4.69	0.55	5.24	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	1.75	0.55	2.30	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	6.32	0.48	6.80	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	4.90	0.55	5.45	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	3.00	0.55	3.55	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	4.07	1.06	5.13	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	2.34	1.06	3.40	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	5.03	1.06	6.09	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	3.17	0.91	4.08	30	Pass



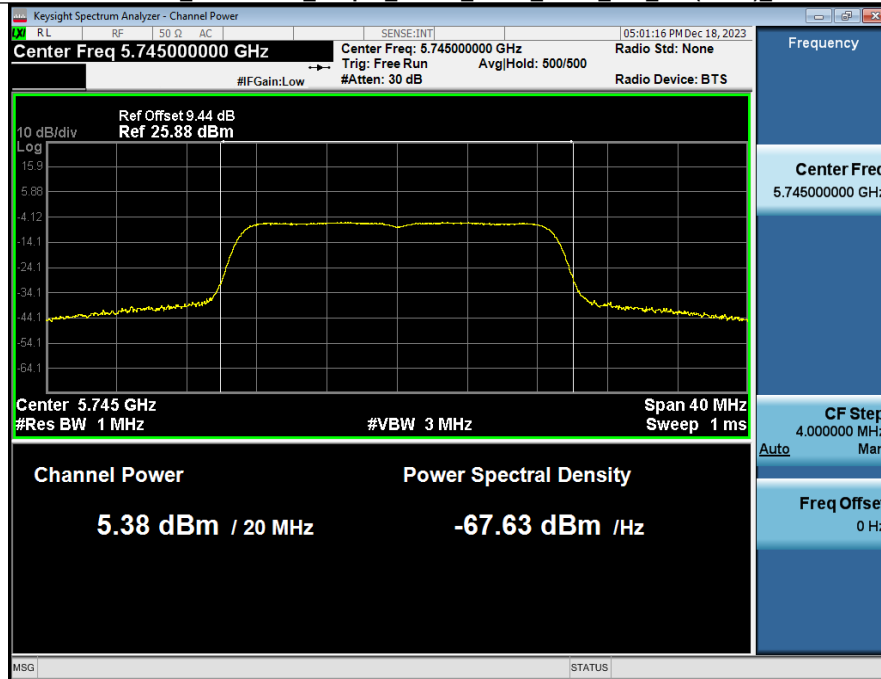
Maximum Conducted Output Power_NVNT_ANT1_802_11a_5785



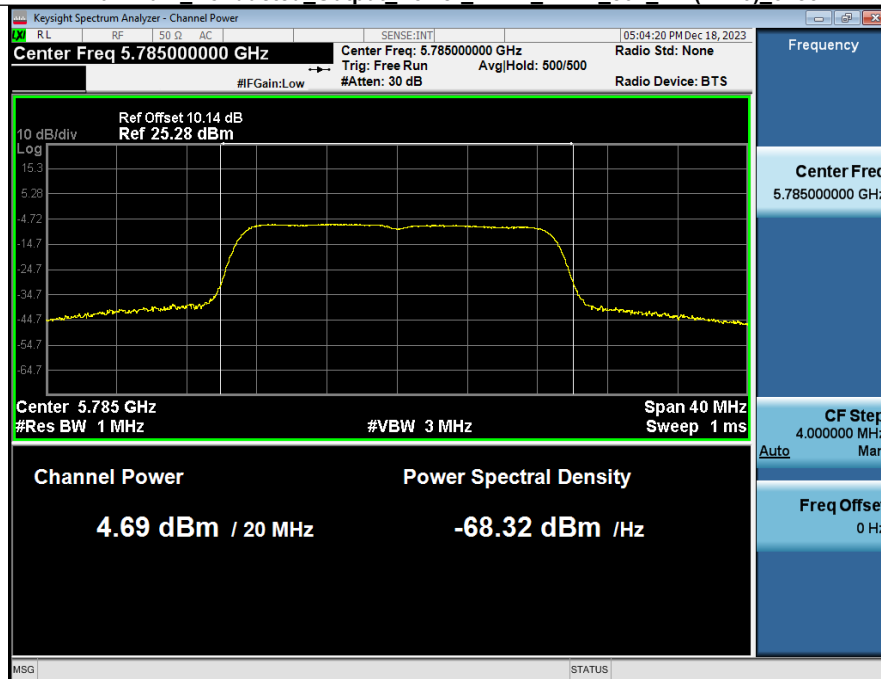
Maximum Conducted Output Power_NVNT_ANT1_802_11a_5825



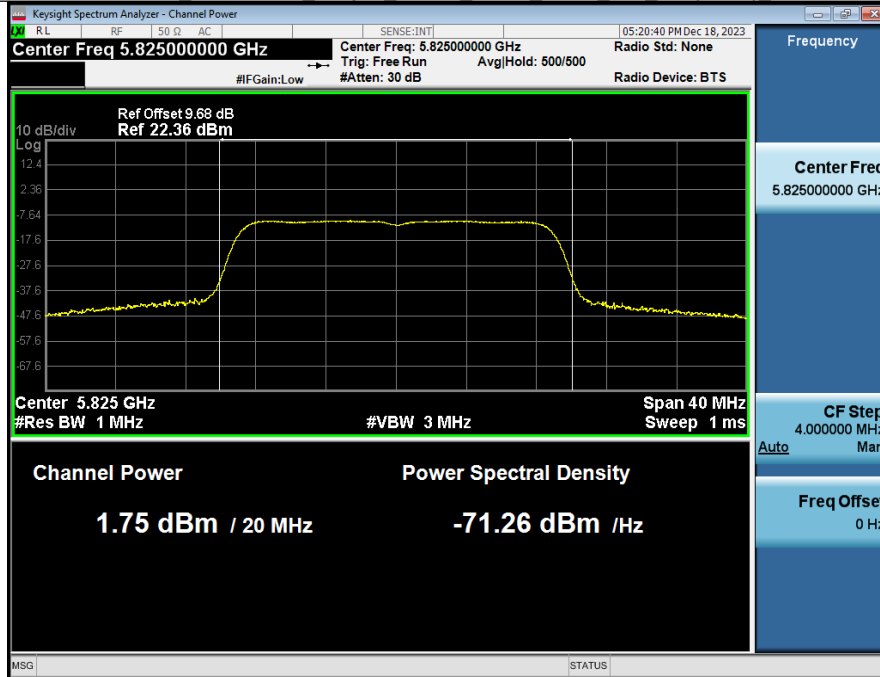
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20)_5745



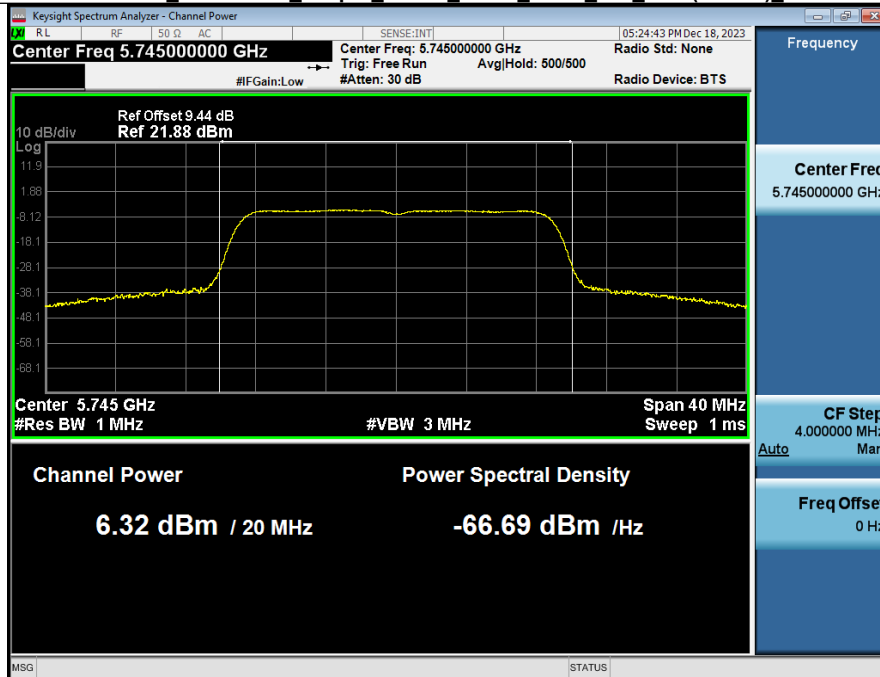
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20)_5785



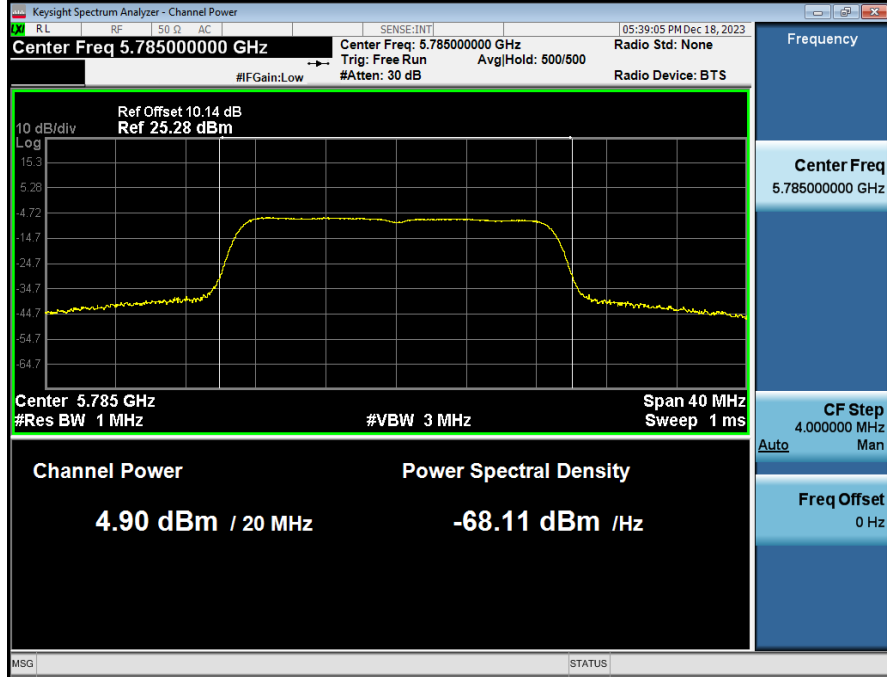
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT20)_5825



Maximum Conducted Output Power NVNT_ANT1_802_11ac(VHT20)_5745



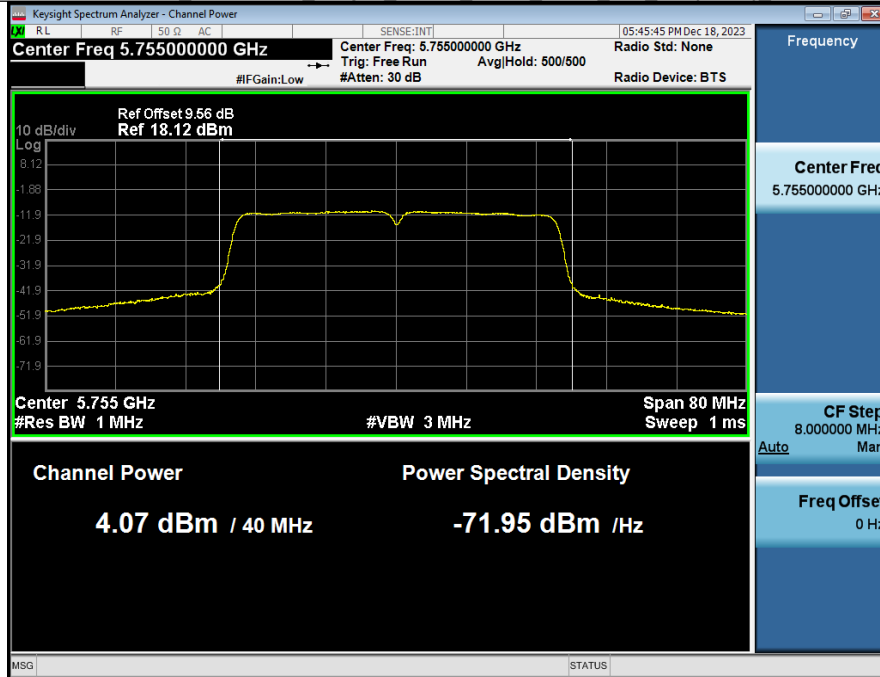
Maximum Conducted Output Power_NVNT_ANT1_802_11ac(VHT20)_5785



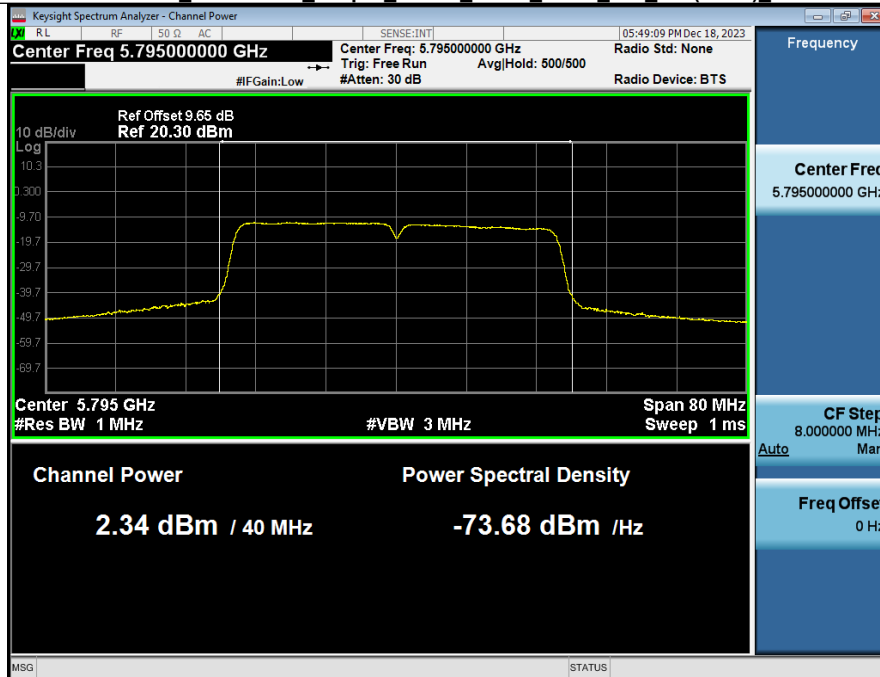
Maximum Conducted Output Power_NVNT_ANT1_802_11ac(VHT20)_5825



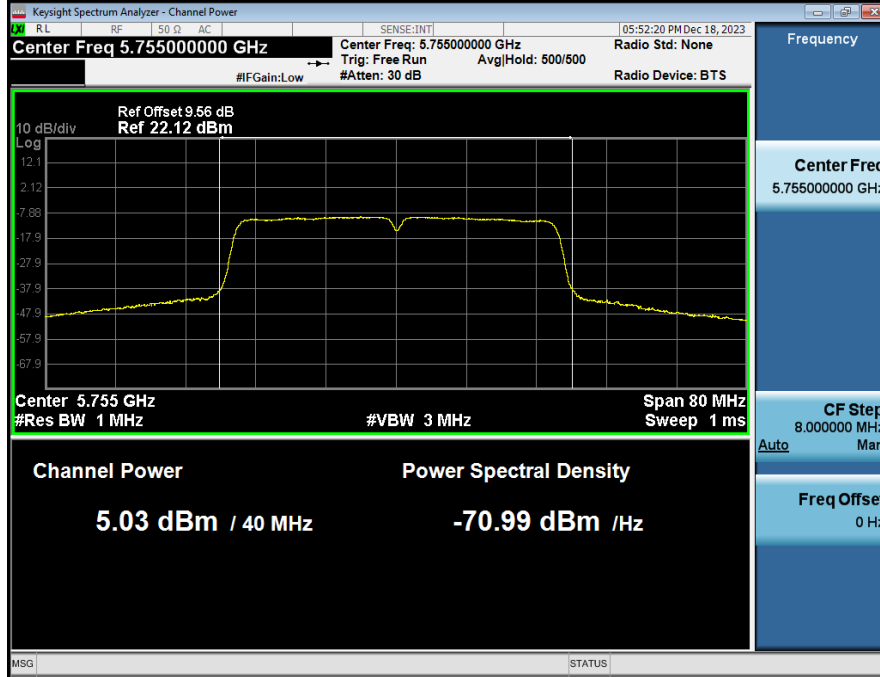
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT40)_5755



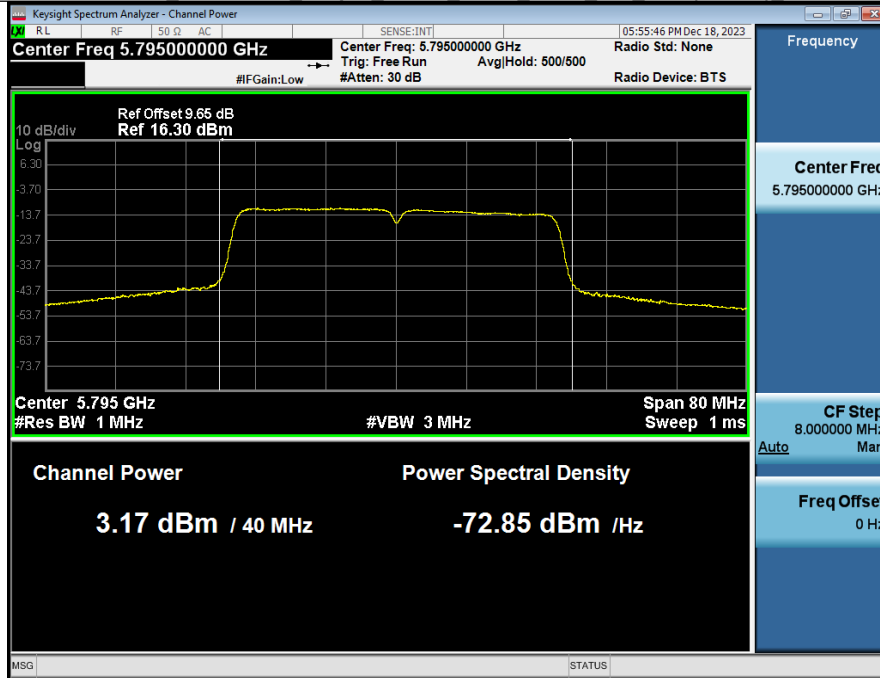
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT40)_5795



Maximum Conducted Output Power_NVNT_ANT1_802_11ac(VHT40)_5755

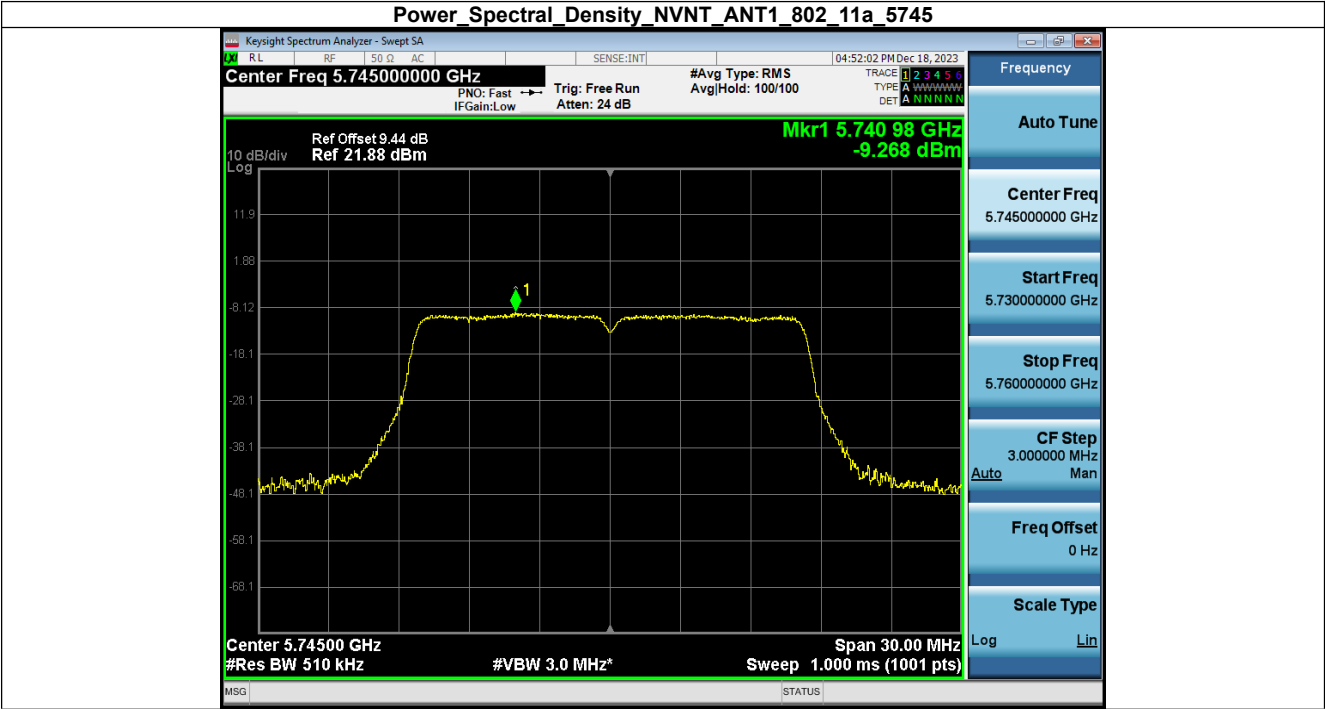


Maximum Conducted Output Power_NVNT_ANT1_802_11ac(VHT40)_5795



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	-9.27	0.47	-0	-8.88	30	Pass
NVNT	ANT1	802.11a	5785.00	-9.78	0.53	-0	-9.33	30	Pass
NVNT	ANT1	802.11a	5825.00	-12.47	0.41	-0	-12.14	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-8.65	0.55	-0	-8.18	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-9.29	0.55	-0	-8.83	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-12.63	0.55	-0	-12.16	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-8.03	0.48	-0	-7.63	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-8.48	0.55	-0	-8.02	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-11.10	0.55	-0	-10.64	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-12.72	1.06	-0	-11.75	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-14.37	1.06	-0	-13.39	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-12.07	1.06	-0	-11.10	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-13.53	0.91	-0	-12.70	30	Pass



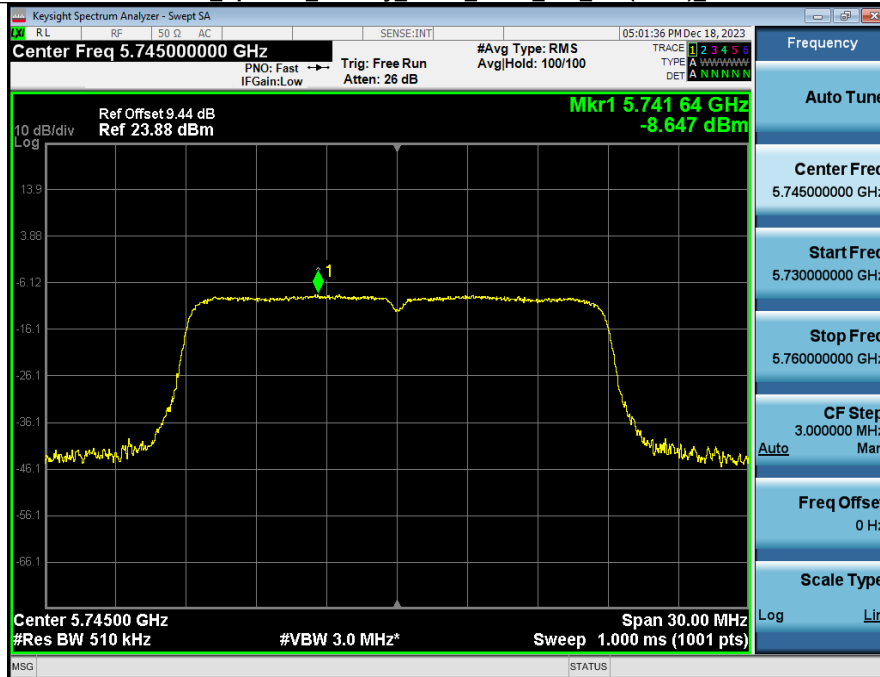
Power Spectral Density NVNT_ANT1_802_11a_5785



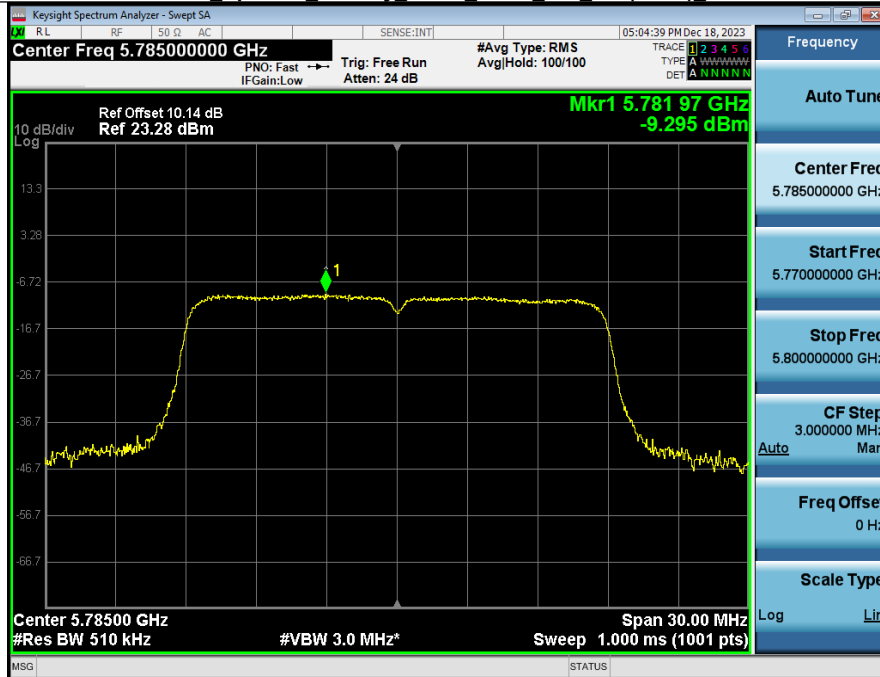
Power Spectral Density NVNT_ANT1_802_11a_5825



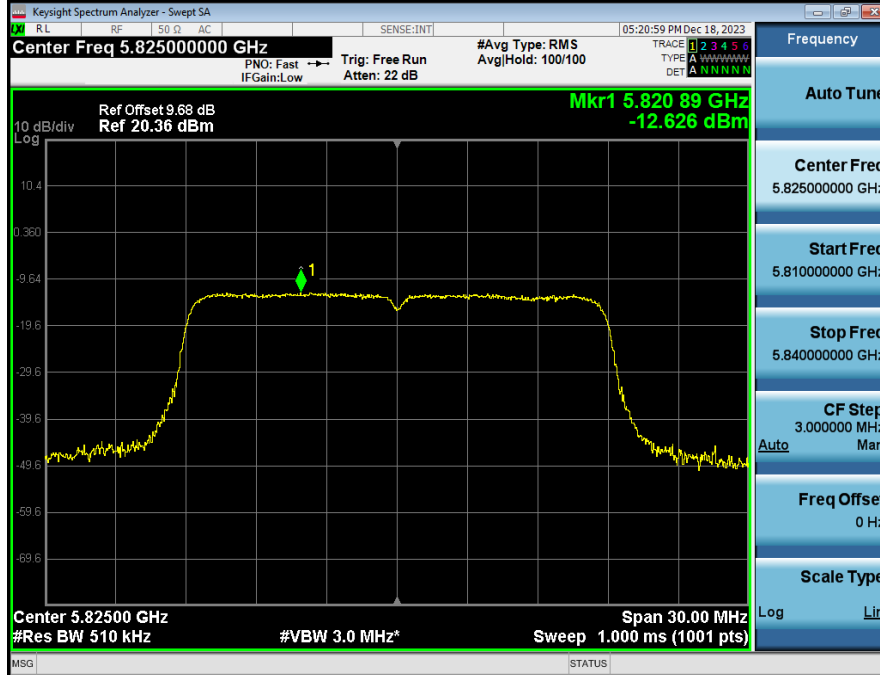
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5745



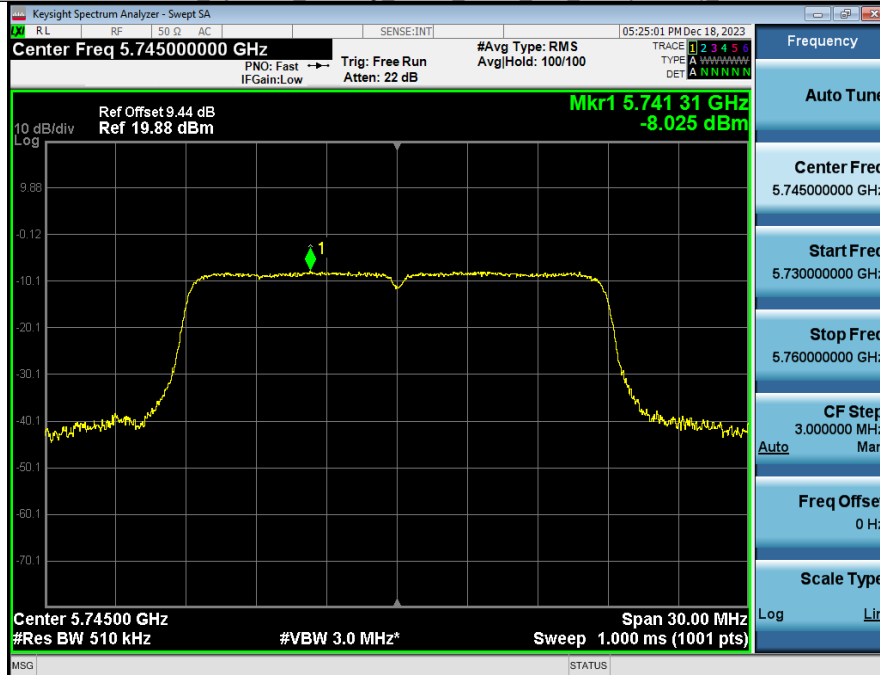
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5785

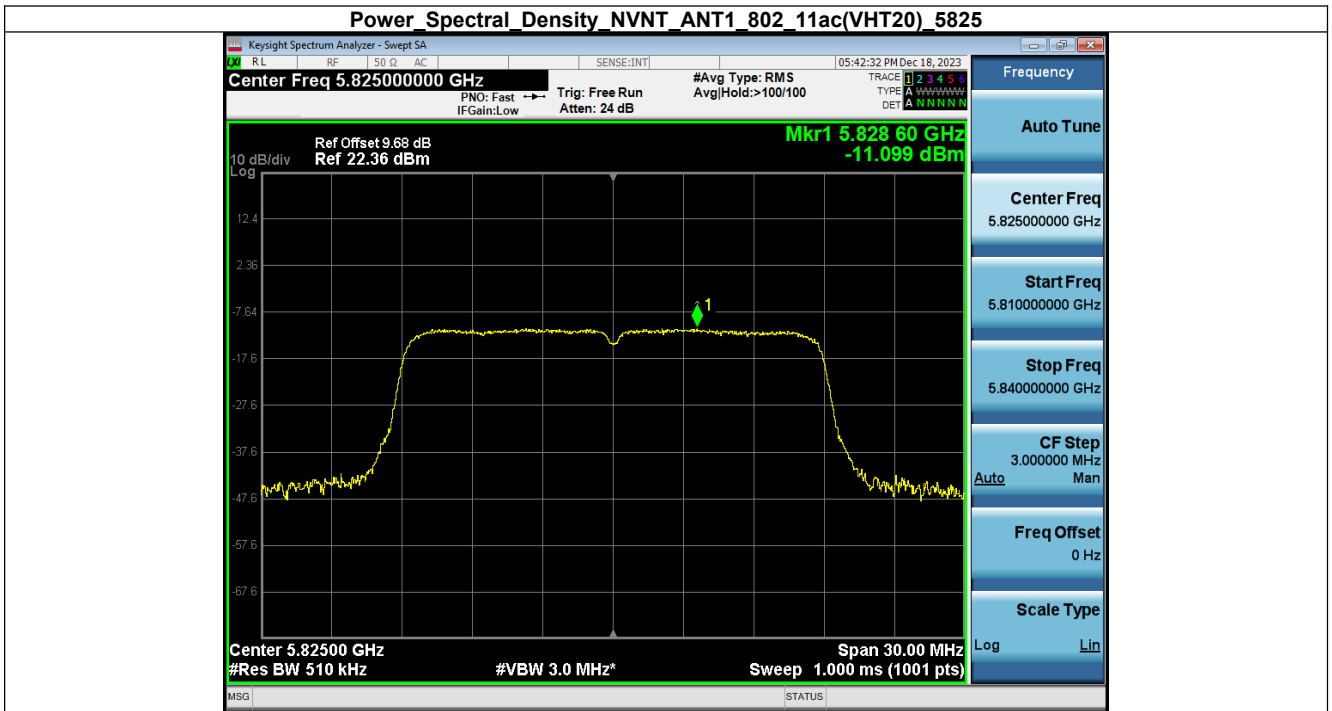
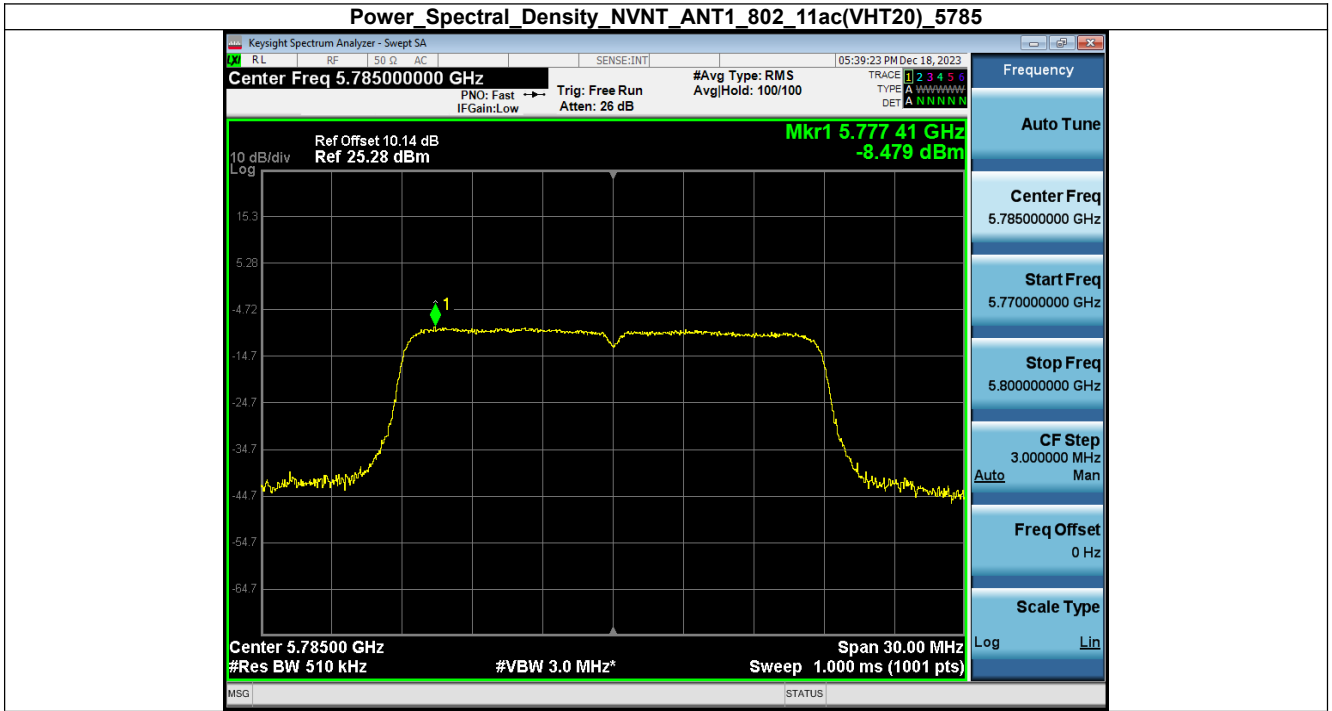


Power Spectral Density NVNT_ANT1_802_11n(HT20)_5825



Power Spectral Density NVNT_ANT1_802_11ac(VHT20)_5745



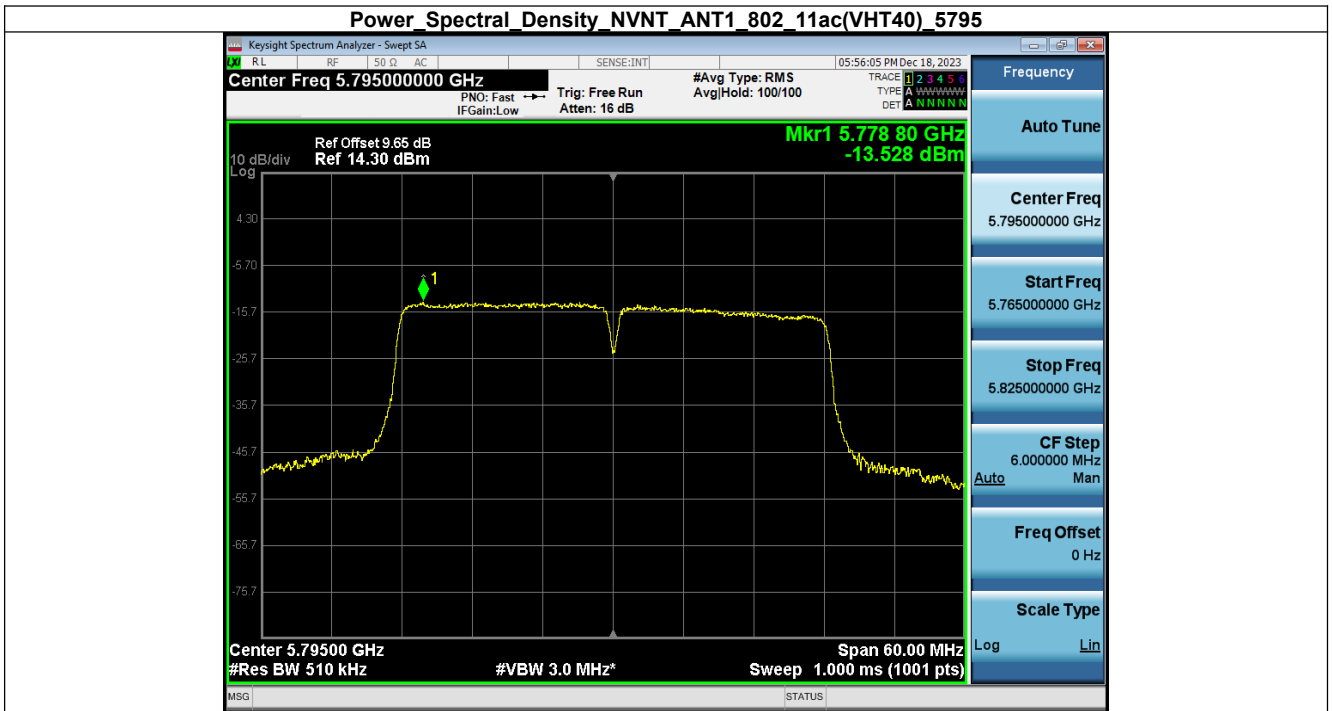
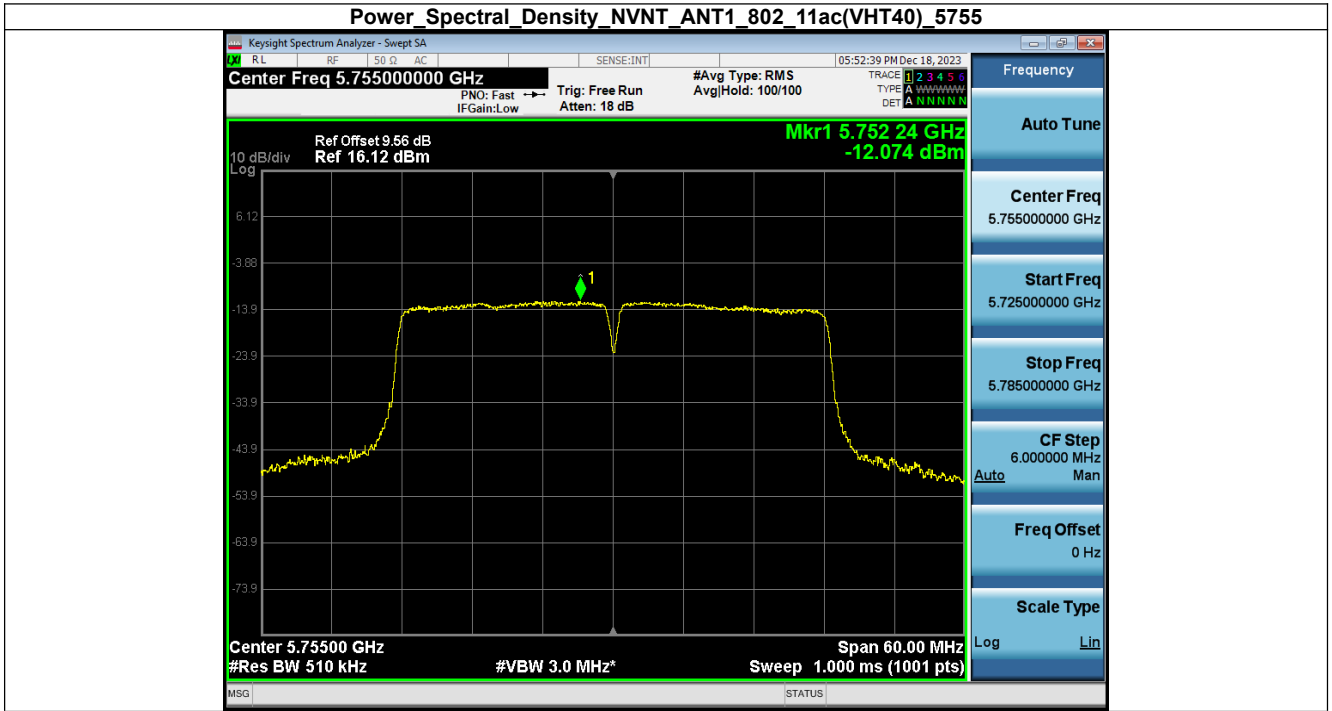


Power Spectral Density NVNT_ANT1_802_11n(HT40)_5755



Power Spectral Density NVNT_ANT1_802_11n(HT40)_5795



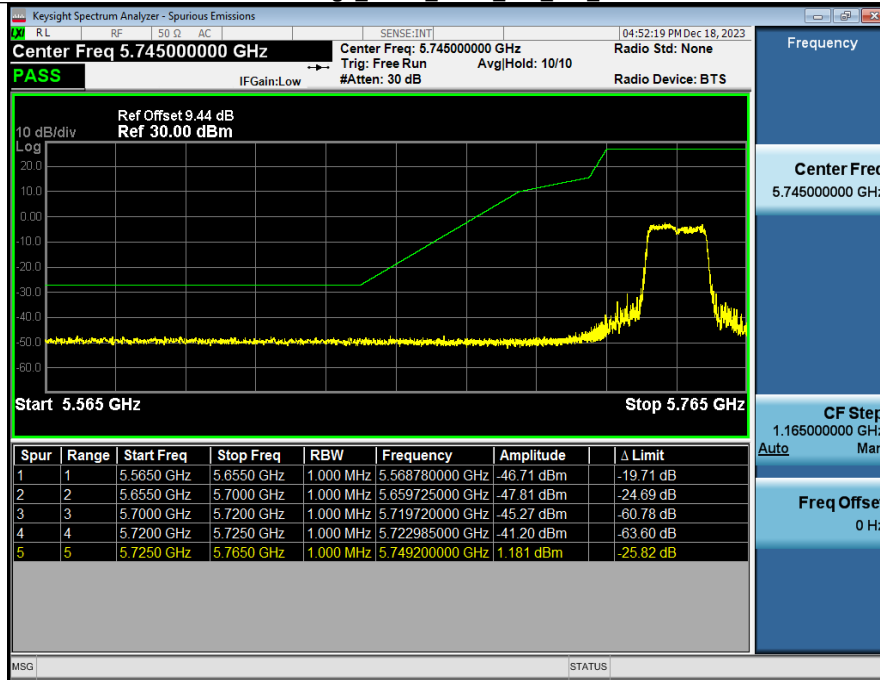


6. Bandedge

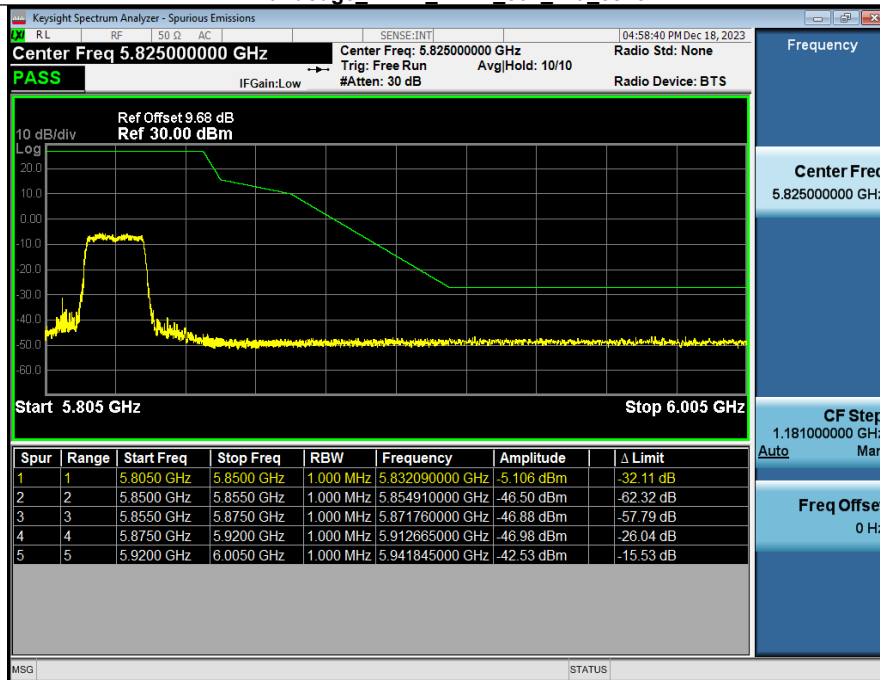
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5568.780	-46.71	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5659.725	-47.81	-23.11	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5719.720	-45.27	15.52	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5722.985	-41.20	22.41	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.910	-46.50	15.81	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5871.760	-46.88	10.91	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5912.665	-46.98	-20.97	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5941.845	-42.53	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5637.270	-46.94	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5658.195	-47.79	-24.37	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5719.600	-43.96	15.49	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5724.505	-33.33	25.87	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5851.230	-45.30	24.20	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5872.980	-46.95	10.57	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5918.875	-47.22	-26.07	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5962.840	-42.21	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5631.060	-46.71	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5655.585	-47.60	-26.52	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5714.660	-44.45	14.10	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5723.160	-34.90	22.80	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5852.185	-44.83	22.02	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5874.220	-46.59	10.22	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5919.055	-46.84	-26.22	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5956.465	-42.50	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5615.940	-46.29	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5655.225	-47.39	-26.81	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5713.120	-43.99	13.67	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5723.700	-39.05	24.04	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.735	-47.38	16.20	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5870.600	-46.61	11.23	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5919.280	-46.83	-26.41	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5936.485	-42.08	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5654.640	-46.77	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5656.215	-46.94	-26.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5713.600	-42.07	13.81	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5720.555	-38.19	16.87	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.275	-47.38	17.25	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5871.100	-47.02	11.09	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5914.555	-46.89	-22.52	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5925.600	-41.56	-27.00	Pass

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

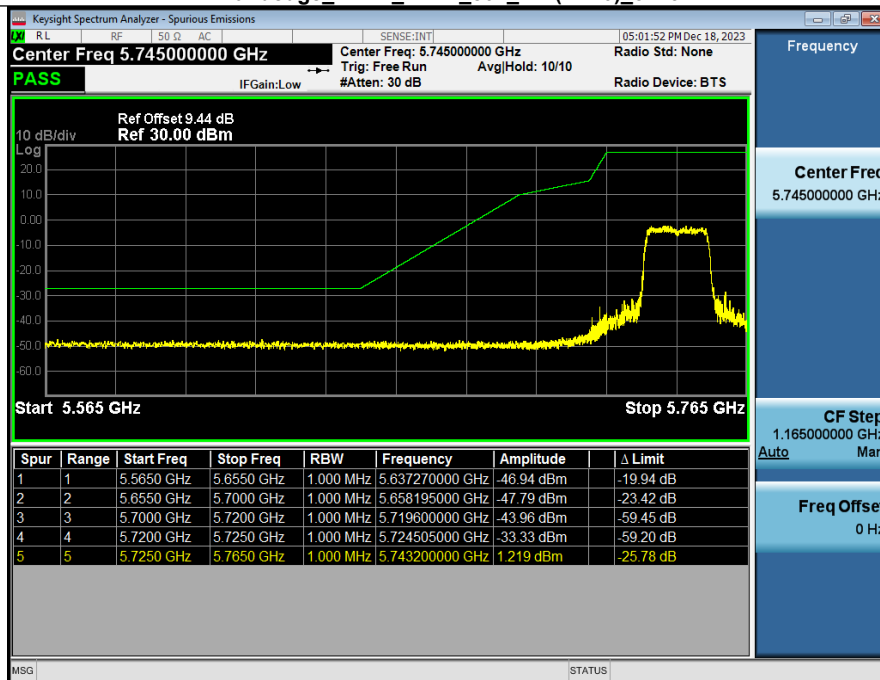
Bandedge_NVNT_ANT1_802_11a_5745



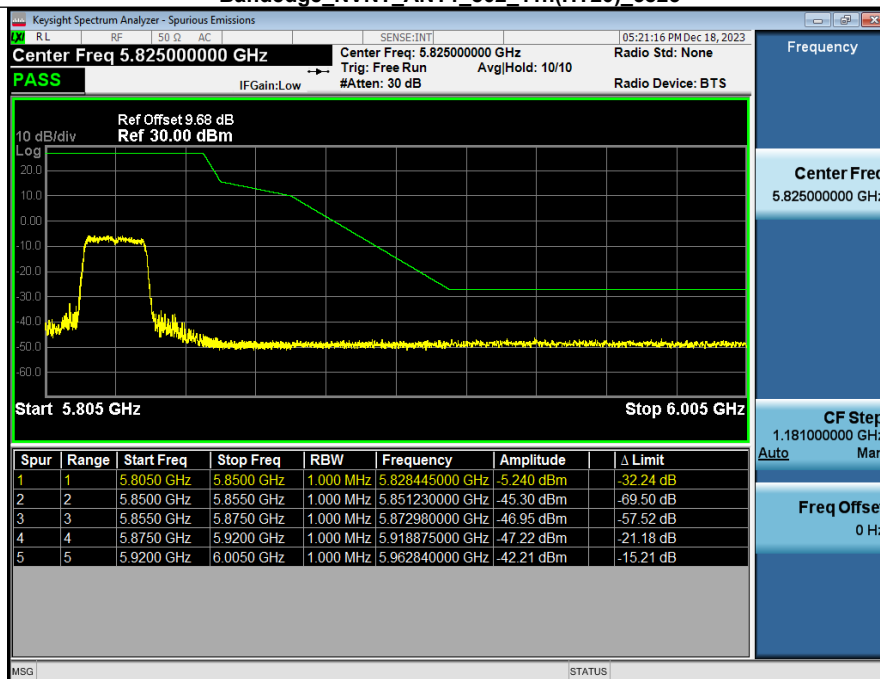
Bandedge_NVNT ANT1_802_11a_5825



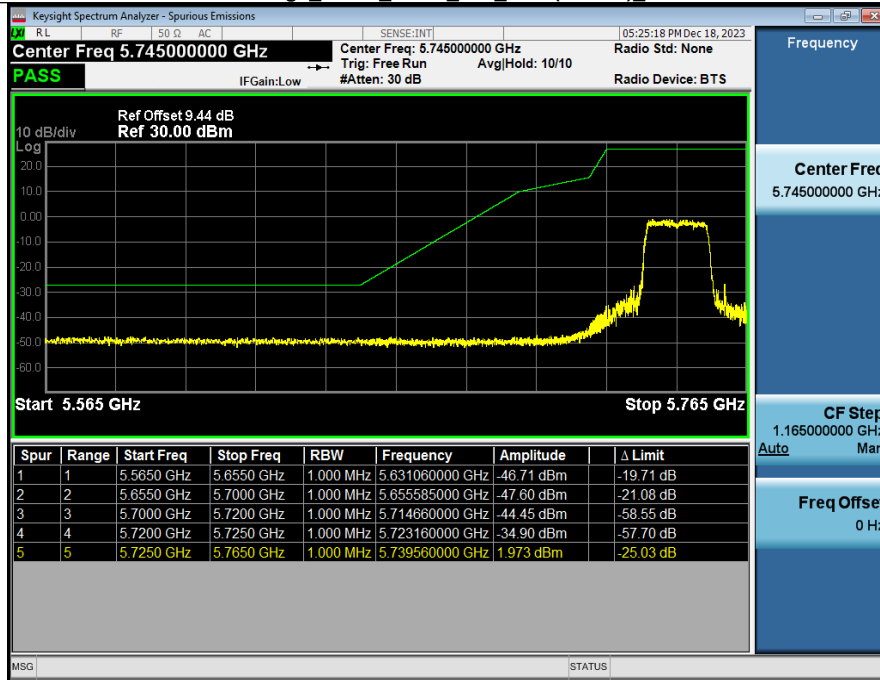
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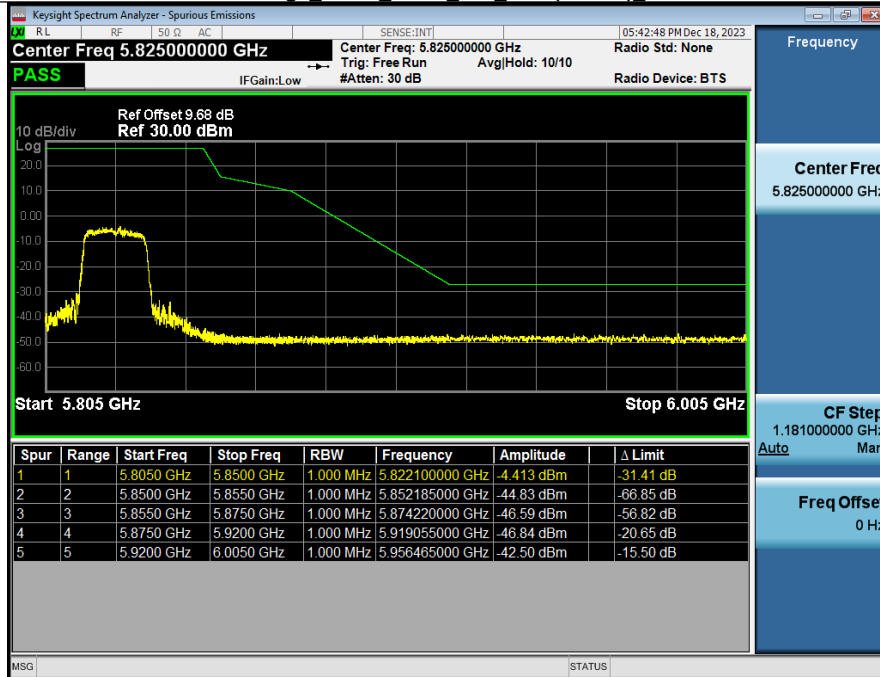
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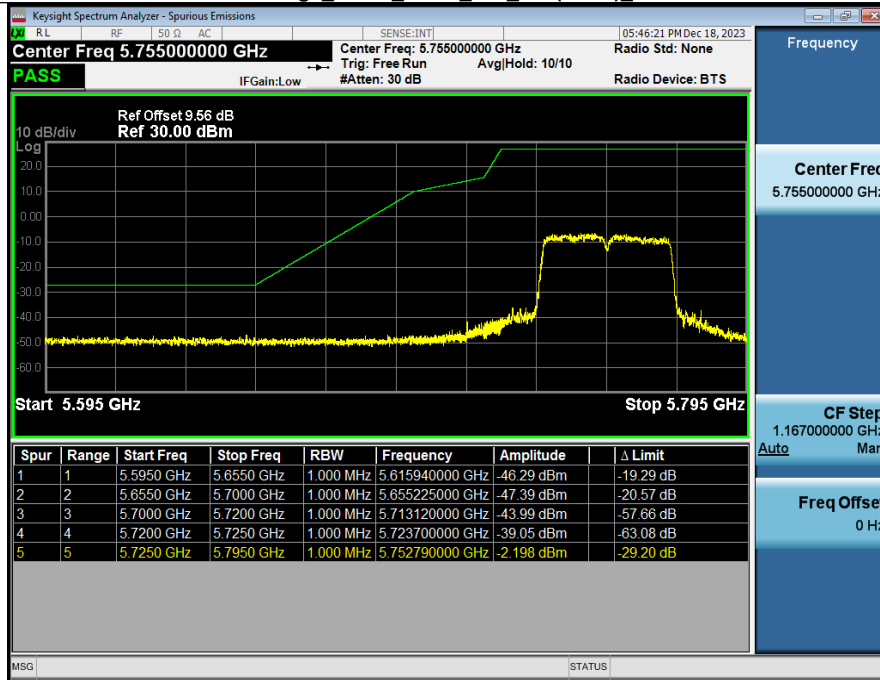
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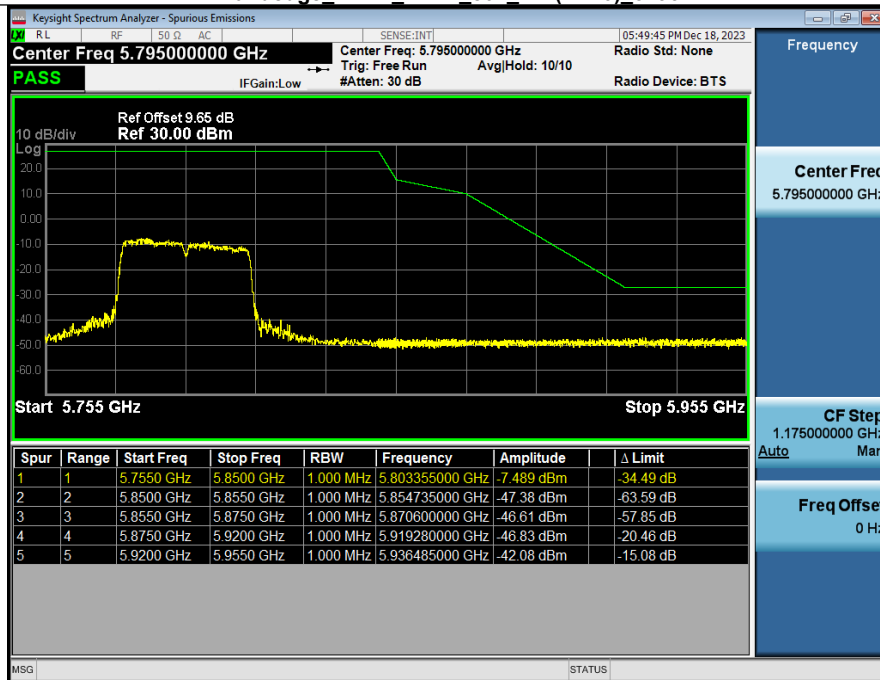
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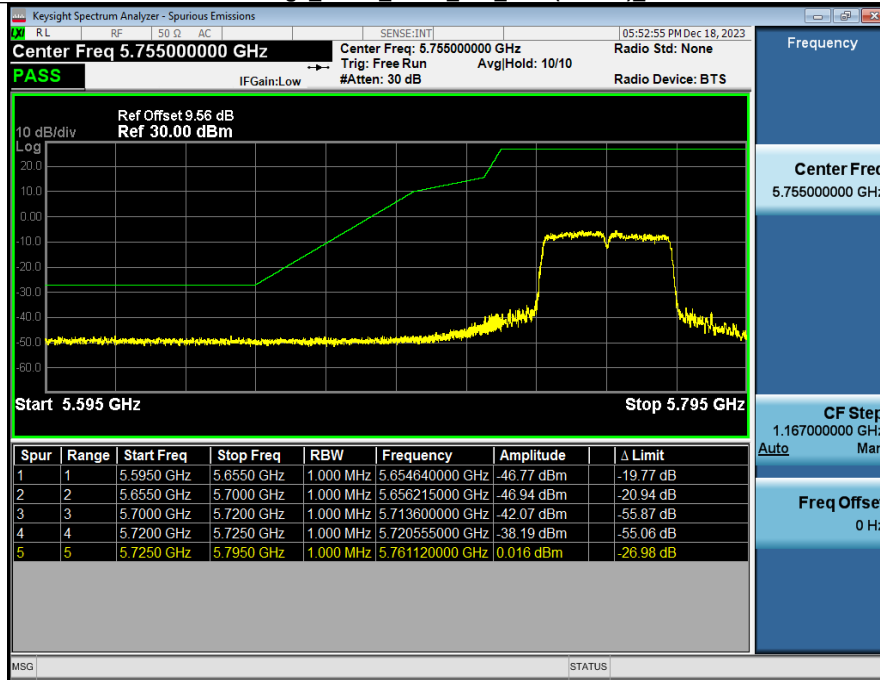
Bandedge_NVNT_ANT1_802_11n(HT40)_5755



Bandedge_NVNT_ANT1_802_11n(HT40)_5795



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5755



Bandedge_NVNT ANT1_802_11ac(VHT40)_5795

