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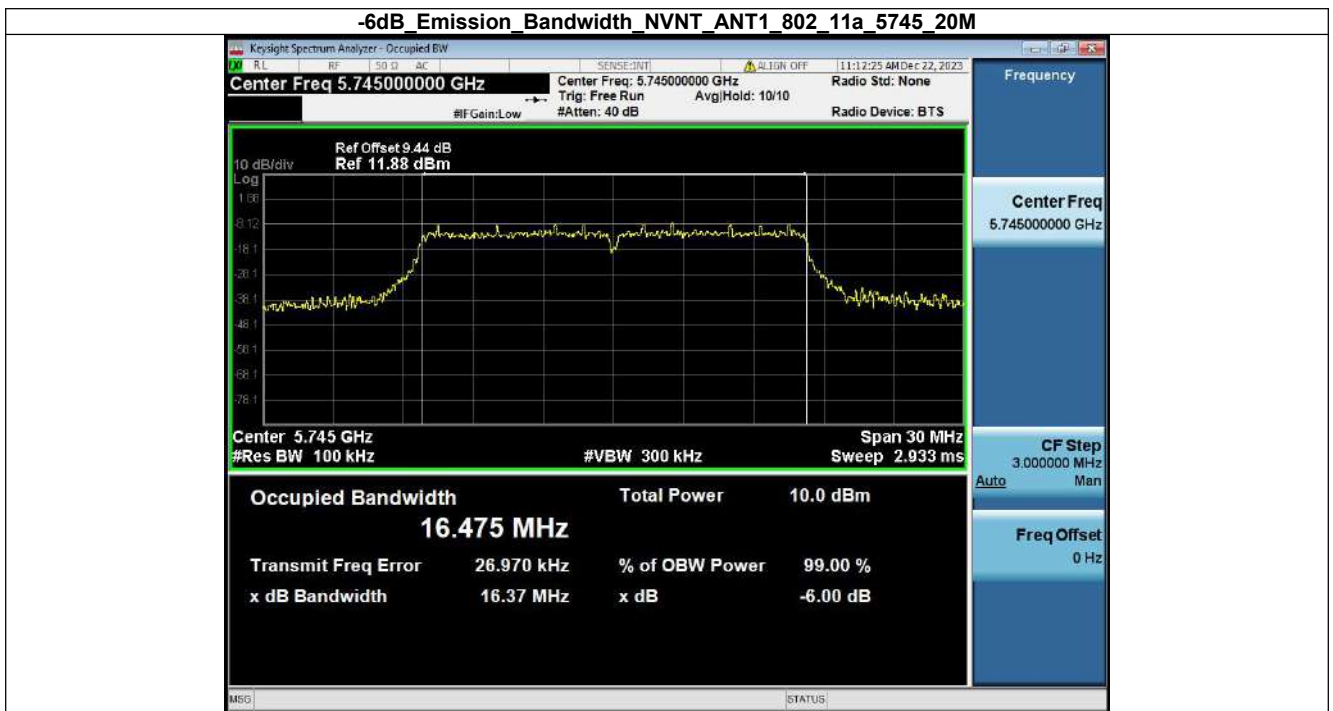
6. Bandedge 49

FCC ID WIFI5.8

FCC_5.8G_WIFI (Part15.407) Test Data

1. -6dB Emission Bandwidth

Condition	Modulation	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	802.11a	LCH	5745.00	16.371	0.500	Pass
NVNT	802.11a	MCH	5785.00	16.357	0.500	Pass
NVNT	802.11a	HCH	5825.00	16.389	0.500	Pass
NVNT	802.11n20	LCH	5745.00	17.278	0.500	Pass
NVNT	802.11n20	MCH	5785.00	17.312	0.500	Pass
NVNT	802.11n20	HCH	5825.00	17.579	0.500	Pass
NVNT	802.11ac20	LCH	5745.00	17.279	0.500	Pass
NVNT	802.11ac20	MCH	5785.00	17.306	0.500	Pass
NVNT	802.11ac20	HCH	5825.00	17.337	0.500	Pass
NVNT	802.11n40	LCH	5755.00	35.491	0.500	Pass
NVNT	802.11n40	HCH	5795.00	35.624	0.500	Pass
NVNT	802.11ac40	LCH	5755.00	35.604	0.500	Pass
NVNT	802.11ac40	HCH	5795.00	35.604	0.500	Pass
NVNT	802.11ac80	MCH	5775.00	75.347	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



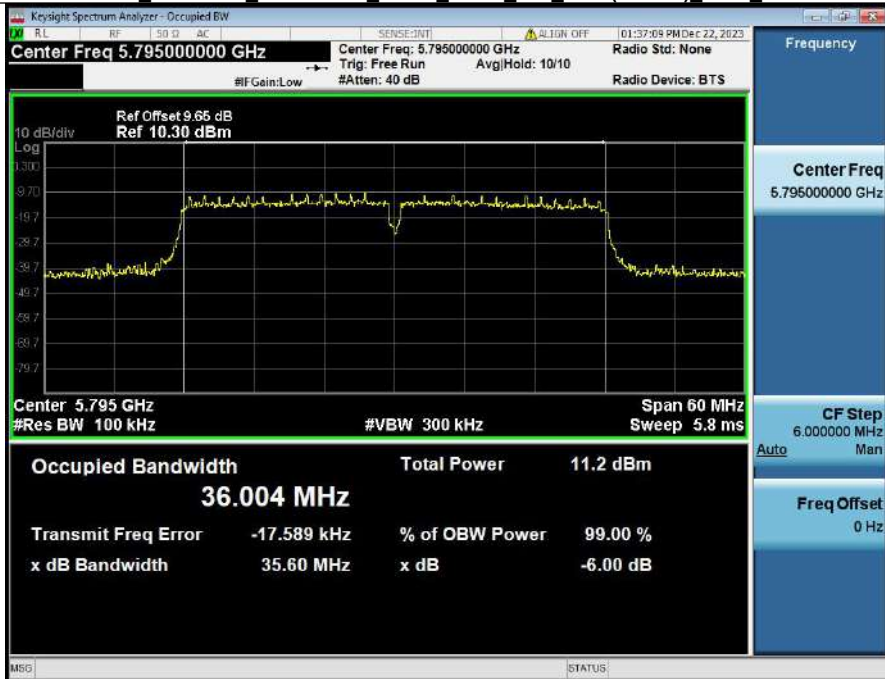
-6dB Emission Bandwidth NVNT ANT1 802_11n(HT40) 5795_40M



-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	29.79	16.92
NVNT	ANT1	802.11a	5785.00	29.97	16.85
NVNT	ANT1	802.11a	5825.00	27.80	16.83
NVNT	ANT1	802.11n(HT20)	5745.00	32.17	17.83
NVNT	ANT1	802.11n(HT20)	5785.00	32.57	17.84
NVNT	ANT1	802.11n(HT20)	5825.00	31.20	17.78
NVNT	ANT1	802.11ac(VHT20)	5745.00	32.35	17.89
NVNT	ANT1	802.11ac(VHT20)	5785.00	32.96	17.81
NVNT	ANT1	802.11ac(VHT20)	5825.00	32.36	17.83
NVNT	ANT1	802.11n(HT40)	5755.00	51.14	36.37
NVNT	ANT1	802.11n(HT40)	5795.00	47.07	36.32
NVNT	ANT1	802.11ac(VHT40)	5755.00	49.81	36.30
NVNT	ANT1	802.11ac(VHT40)	5795.00	47.97	36.26
NVNT	ANT1	802.11ac(VHT80)	5775.00	99.93	75.82





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



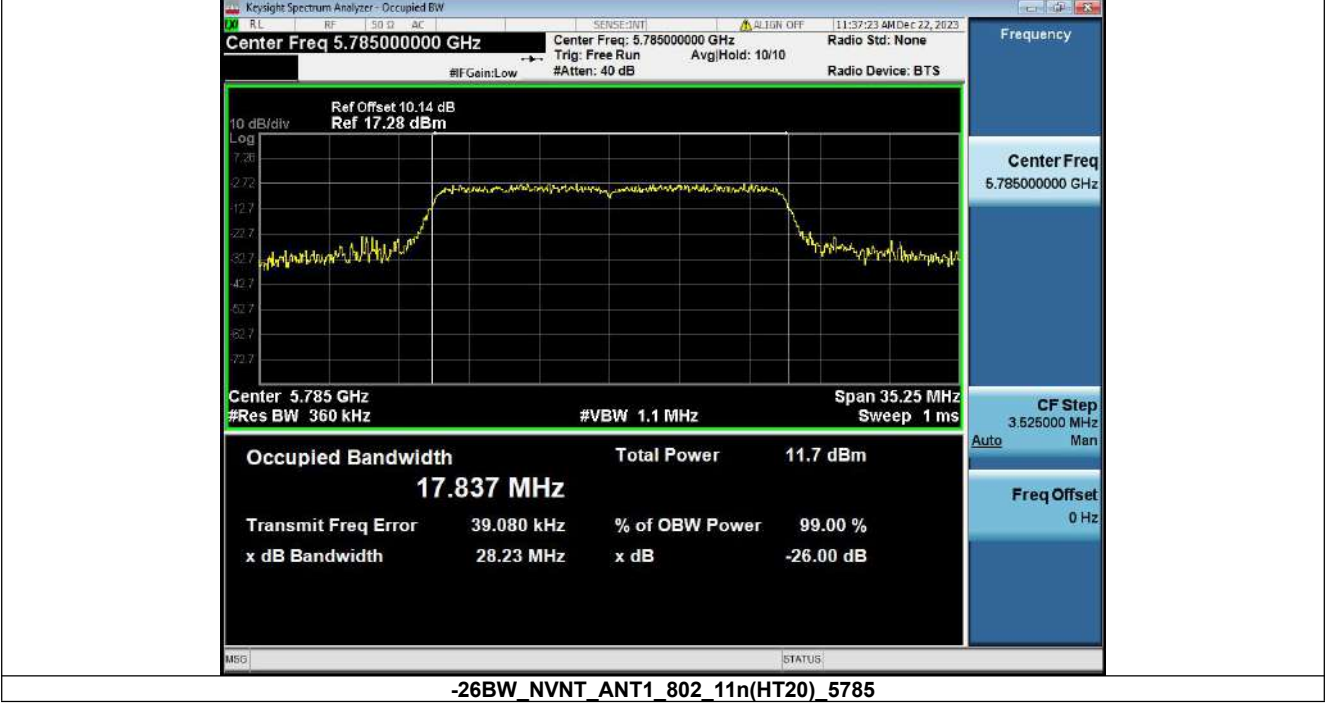
99%_OCB_NVNT_ANT1_802_11n(HT20)_5745



-26BW_NVNT_ANT1_802_11n(HT20)_5745

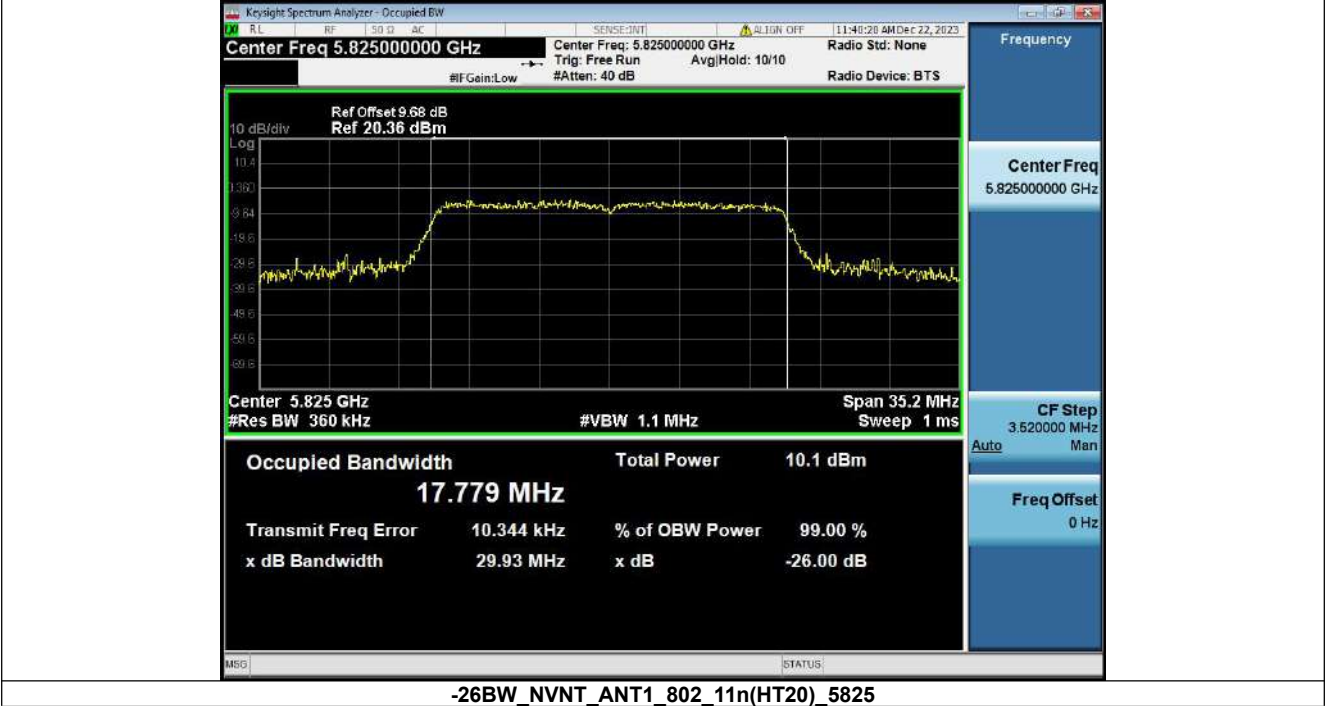


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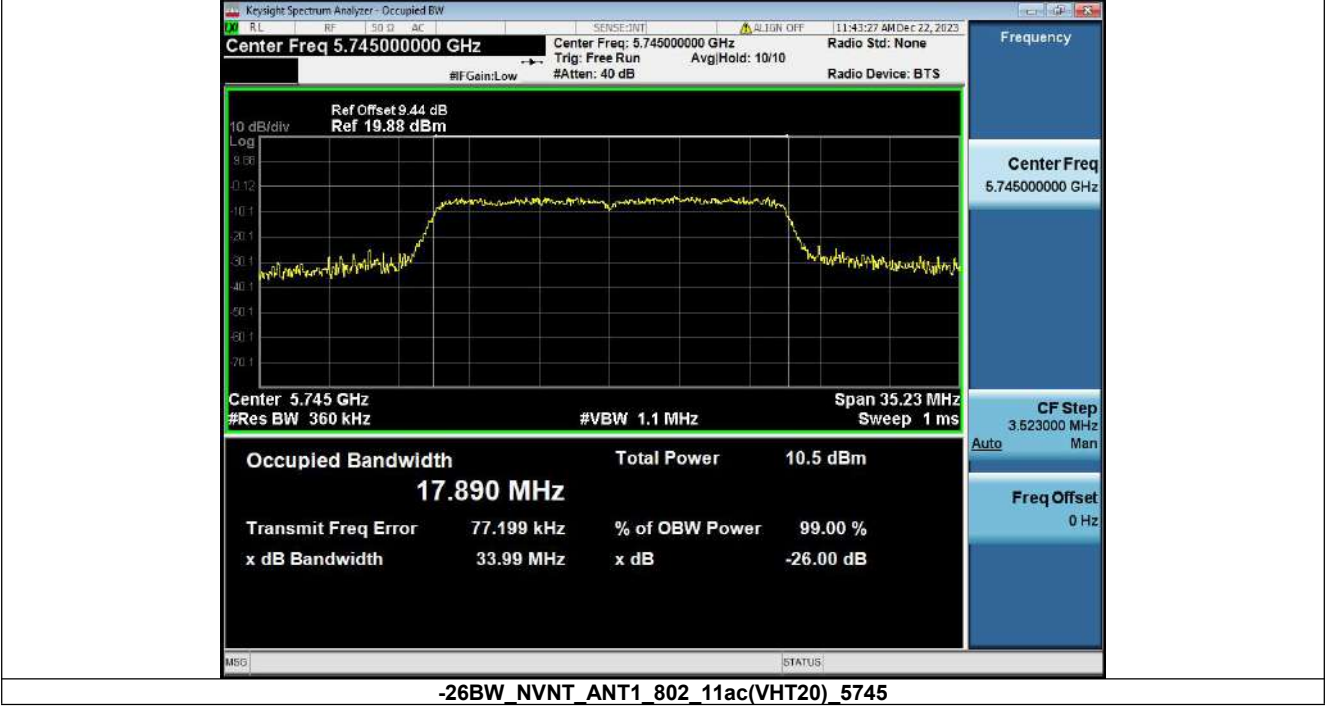


99%_OCB_NVNT_ANT1_802_11n(HT20)_5825



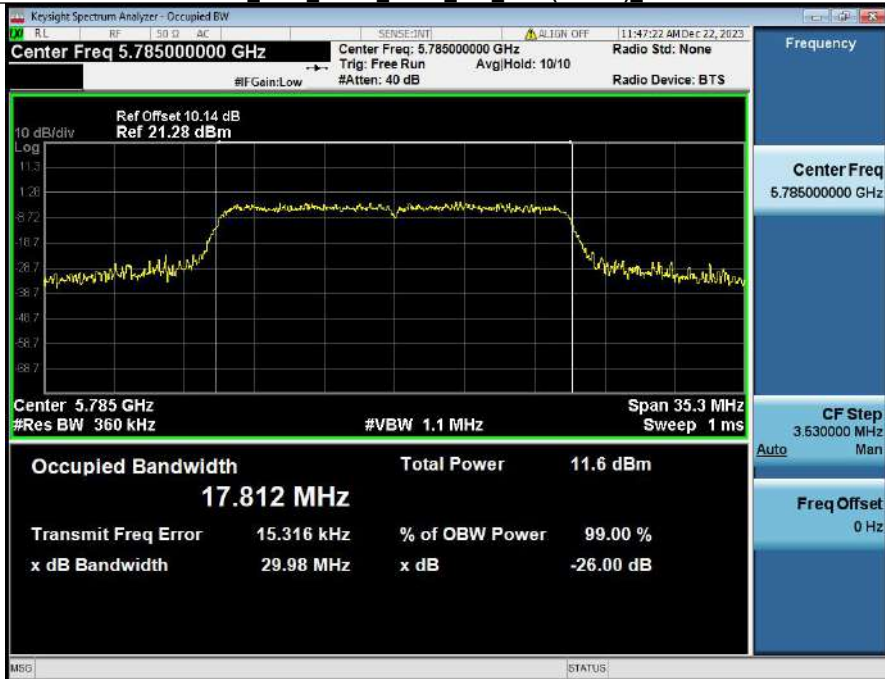


99% OCB NVNT ANT1 802_11ac(VHT20) 5745





99% OCB NVNT ANT1 802 11ac(VHT20) 5785



-26BW NVNT ANT1 802 11ac(VHT20) 5785



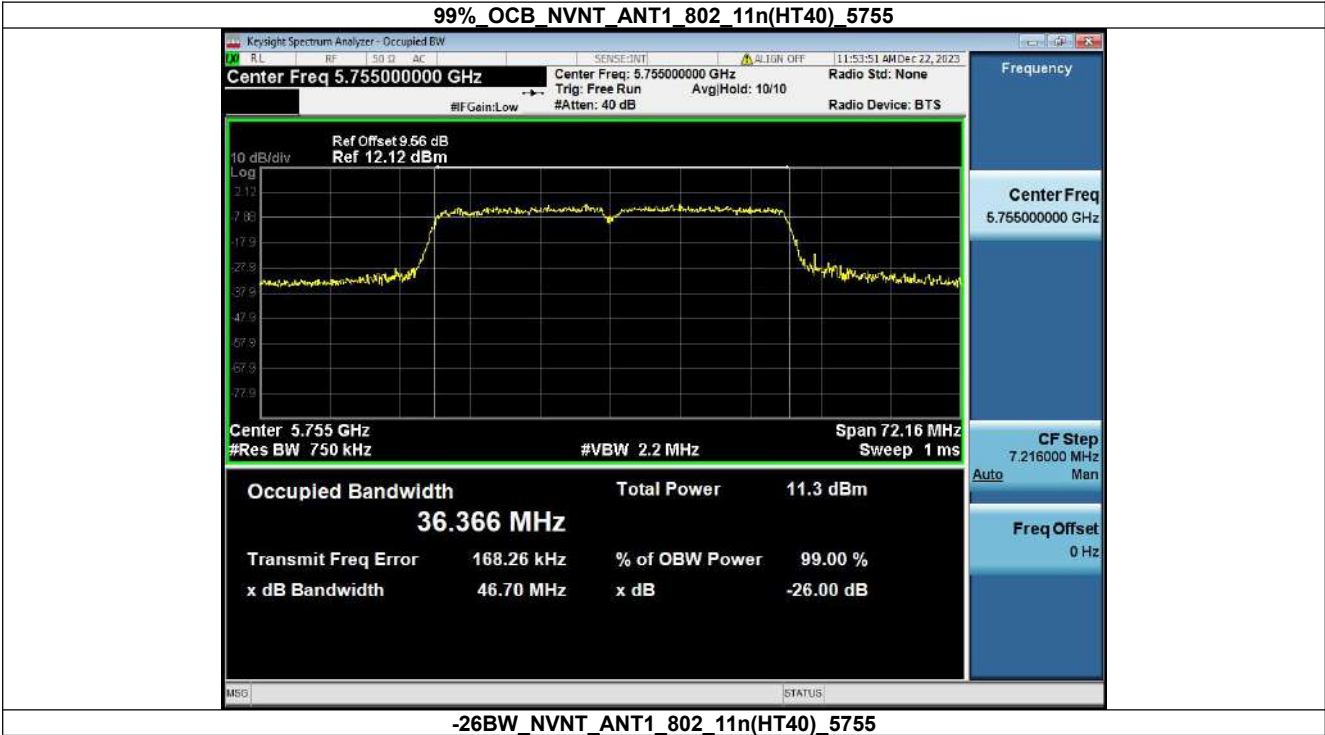
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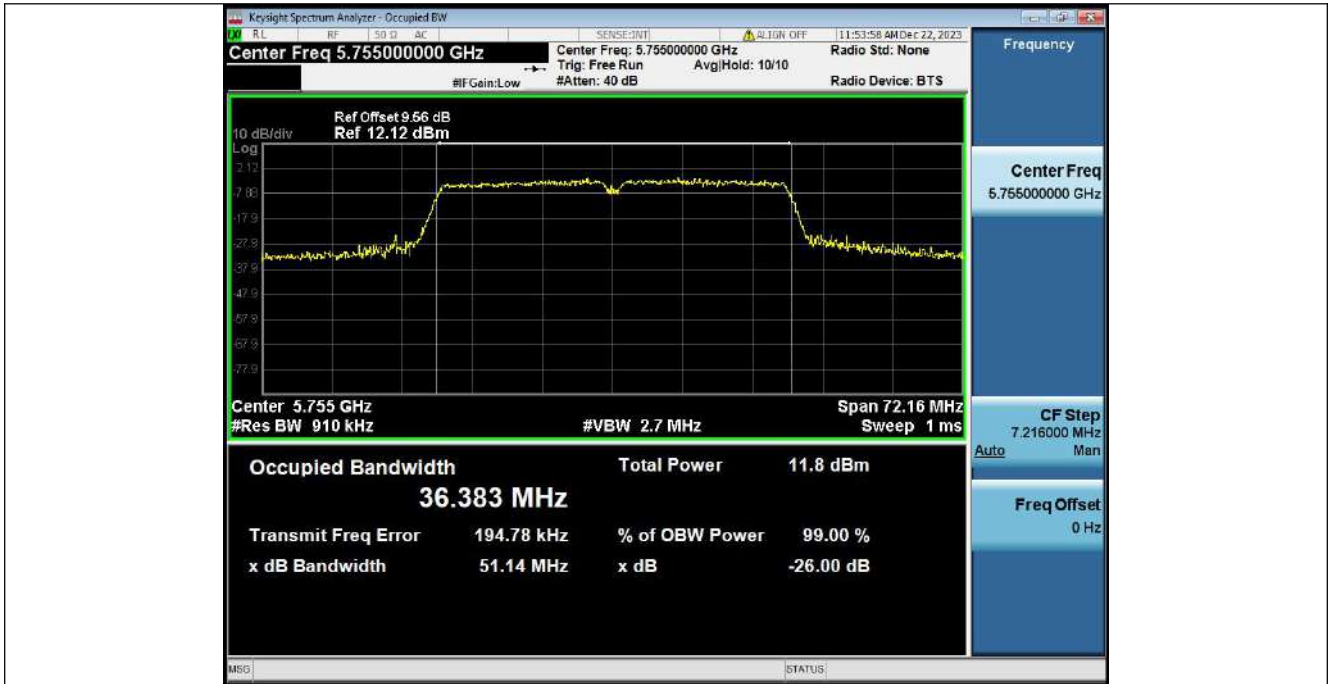


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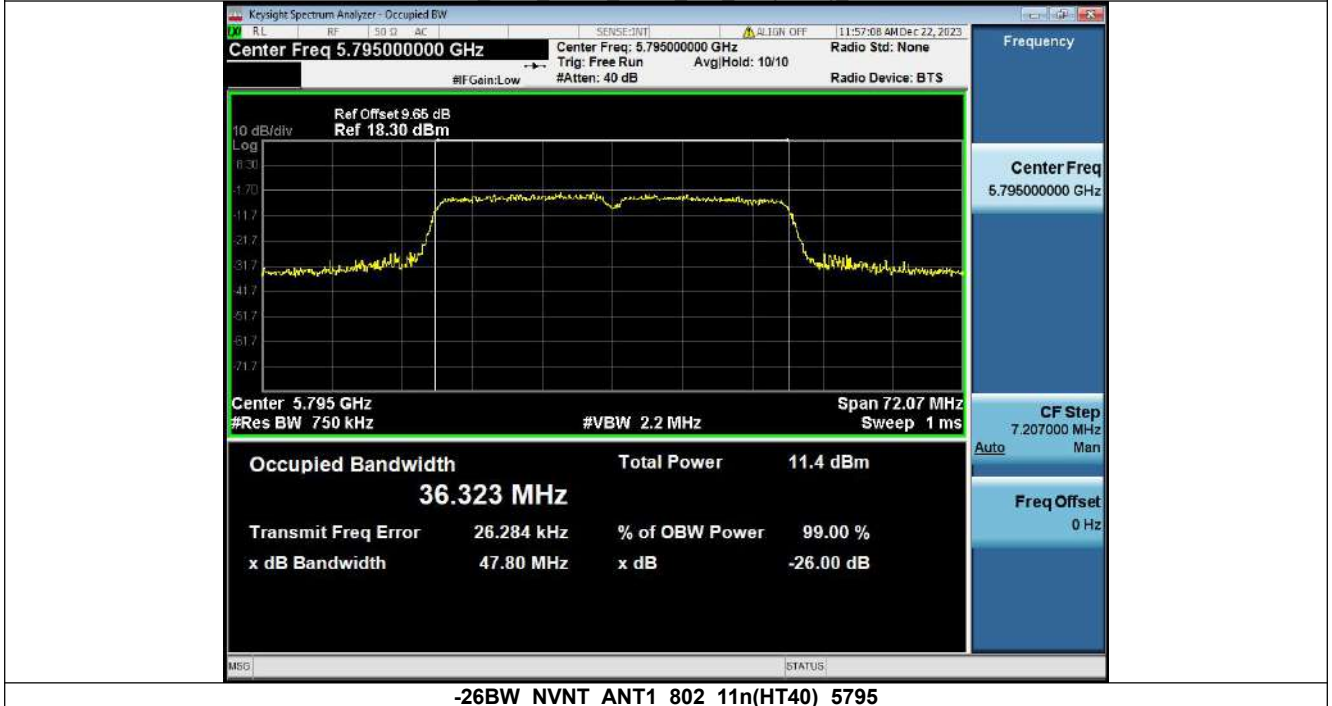


99%_OCB_NVNT_ANT1_802_11n(HT40)_5755





99%_OCB_NVNT_ANT1_802_11n(HT40)_5795





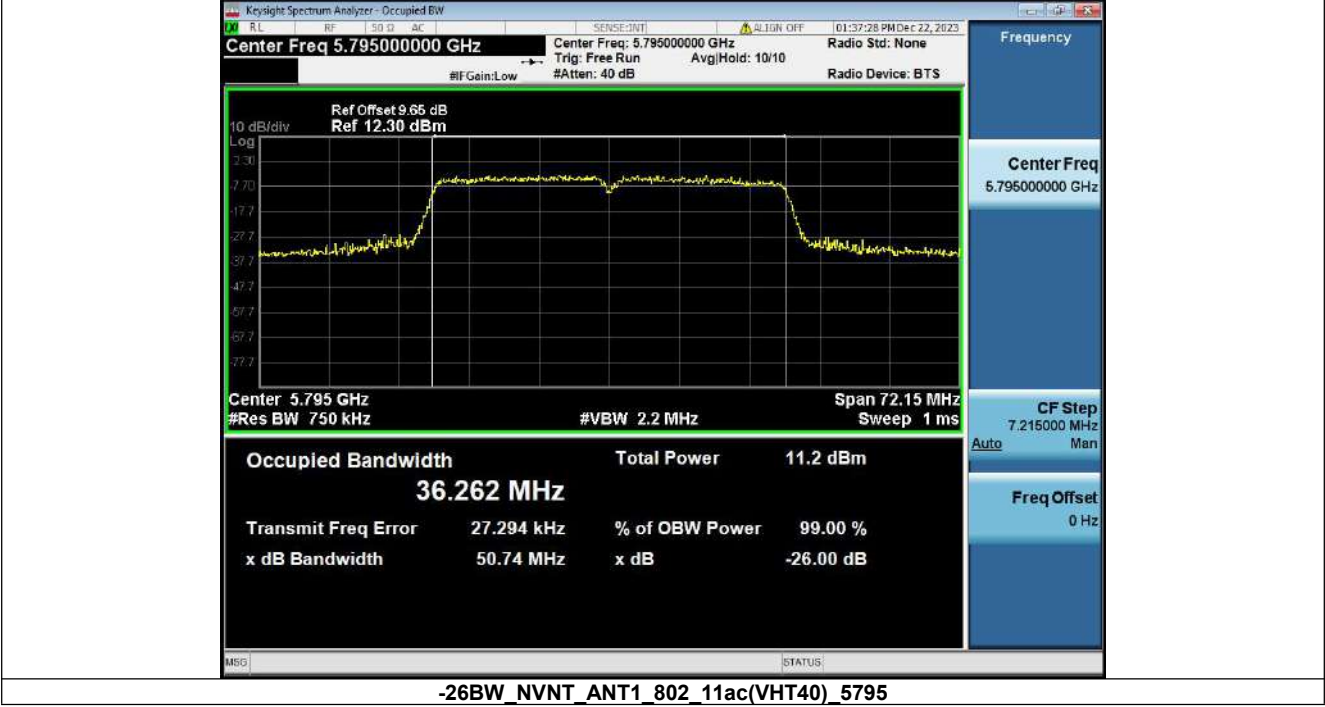
99% OCB NVNT ANT1 802 11ac(VHT40) 5755

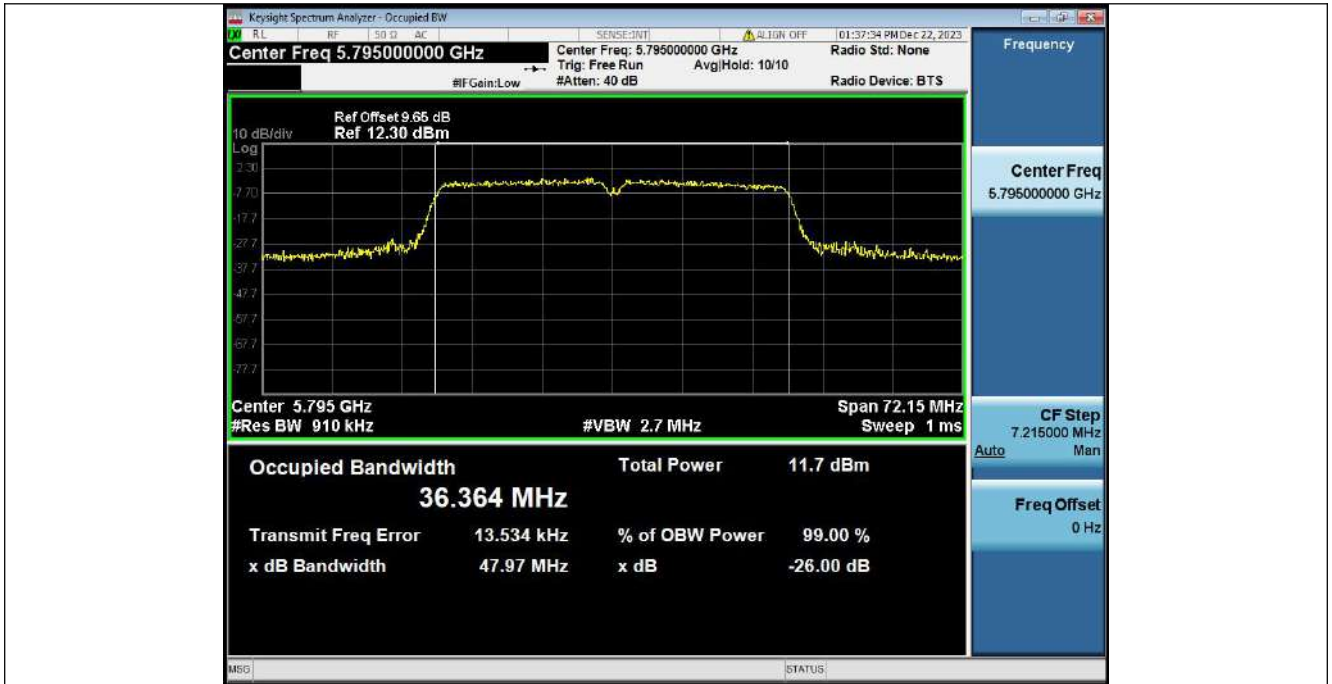


-26BW NVNT ANT1 802 11ac(VHT40) 5755



99% OCB NVNT ANT1 802 11ac(VHT40) 5795





99% OCB NVNT ANT1 802 11ac(VHT80) 5775

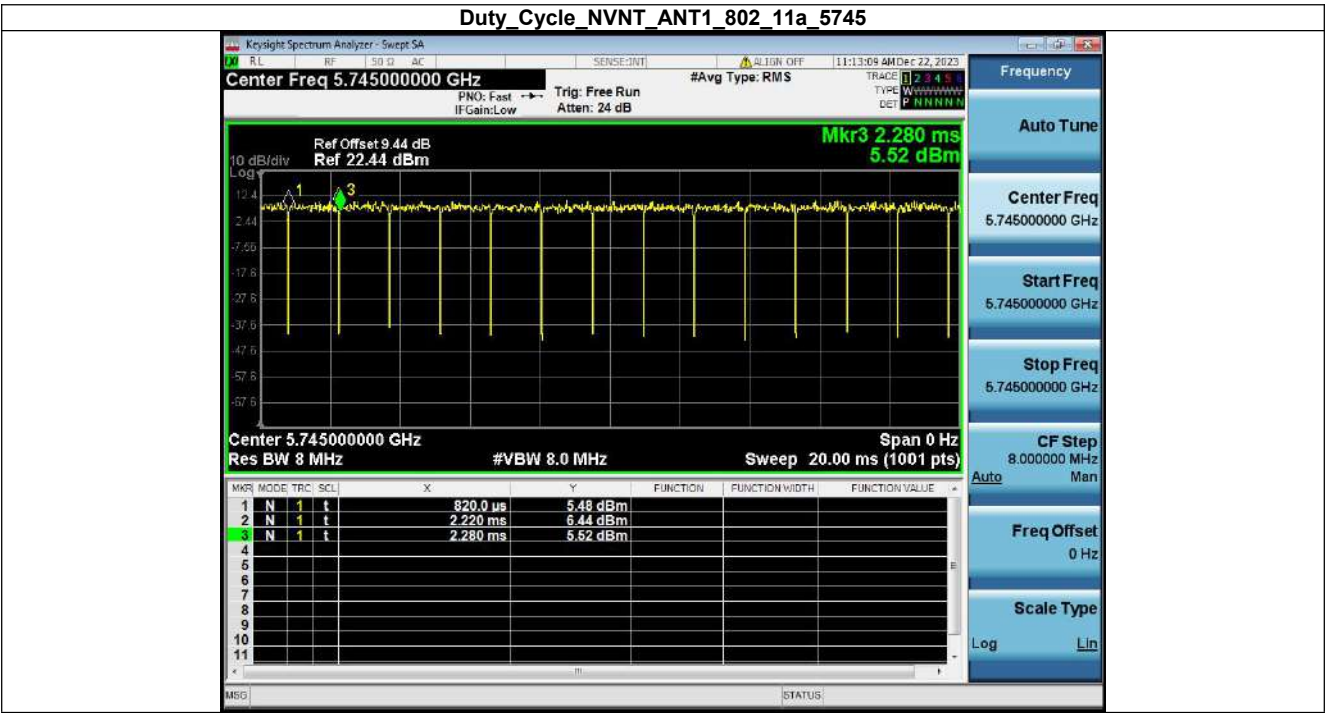


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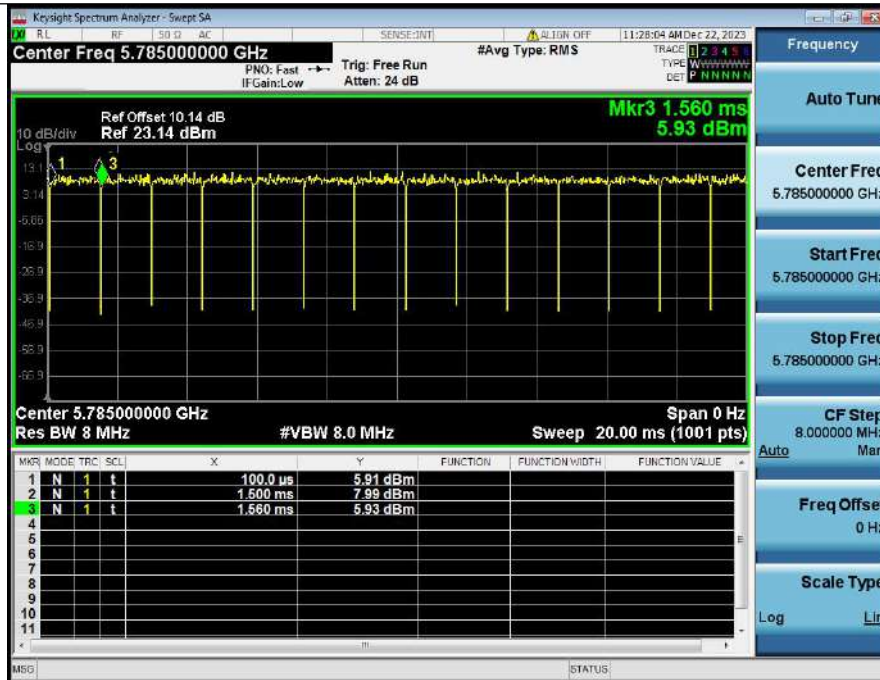


3. Duty Cycle

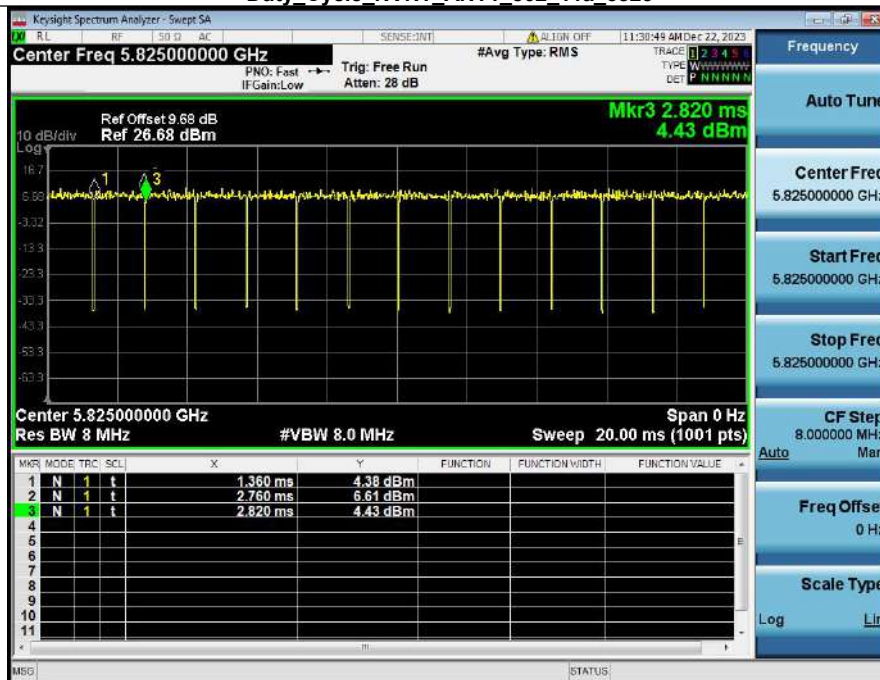
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	95.89	0.18
NVNT	ANT1	802.11a	5785.00	95.89	0.18
NVNT	ANT1	802.11a	5825.00	95.89	0.18
NVNT	ANT1	802.11n(HT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	5785.00	96.72	0.14
NVNT	ANT1	802.11n(HT20)	5825.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	5785.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	5825.00	96.77	0.14
NVNT	ANT1	802.11n(HT40)	5755.00	93.75	0.28
NVNT	ANT1	802.11n(HT40)	5795.00	93.75	0.28
NVNT	ANT1	802.11ac(VHT40)	5755.00	90.63	0.43
NVNT	ANT1	802.11ac(VHT40)	5795.00	90.63	0.43
NVNT	ANT1	802.11ac(VHT80)	5775.00	88.24	0.54



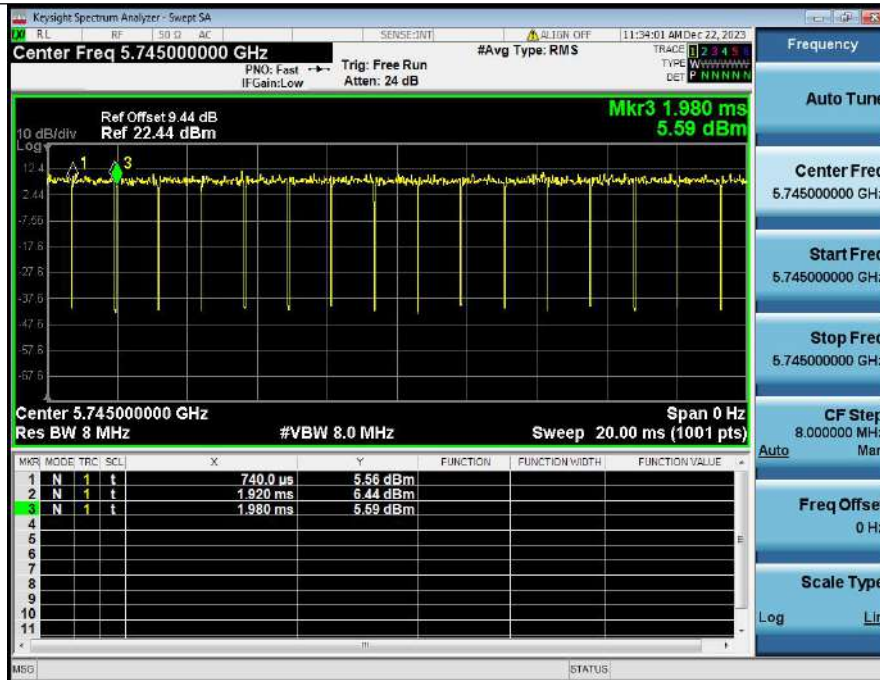
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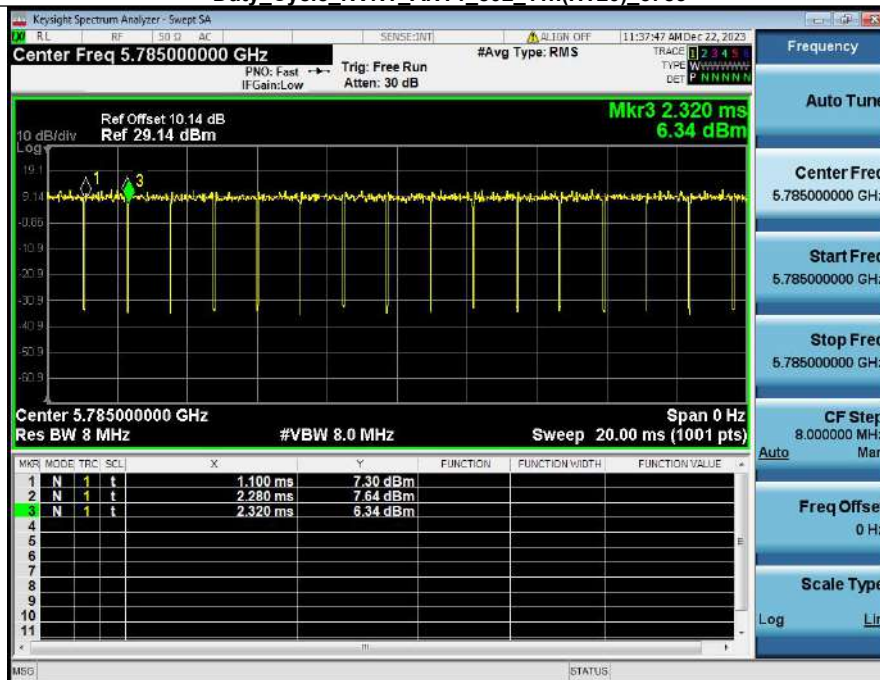
Duty_Cycle_NVNT_ANT1_802_11a_5825



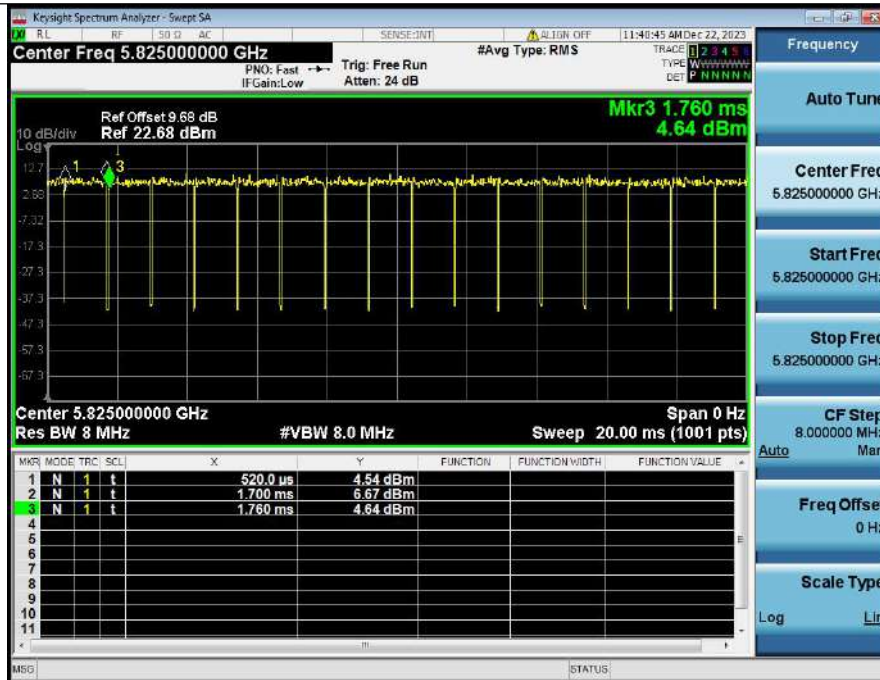
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5745



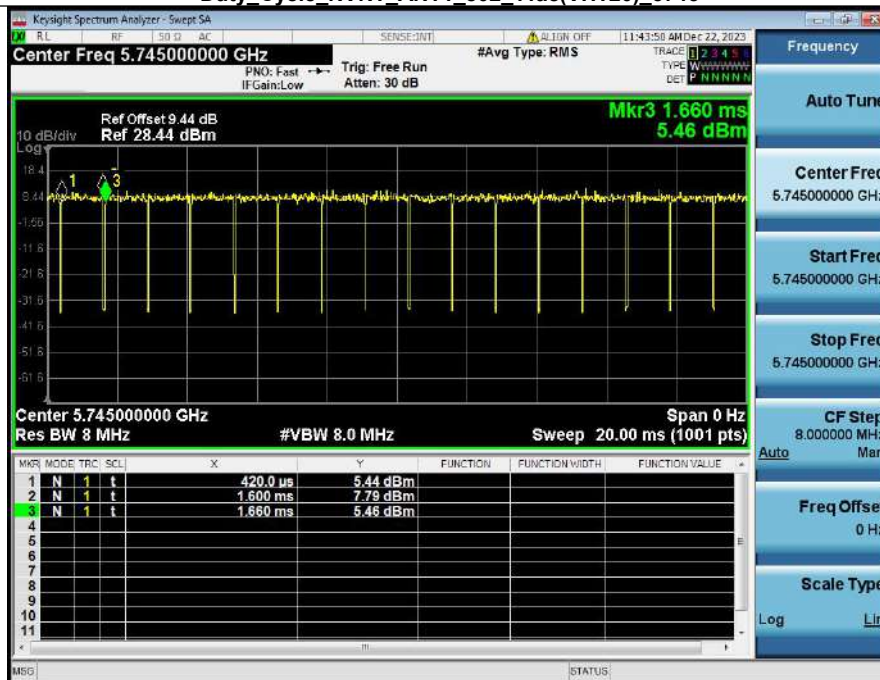
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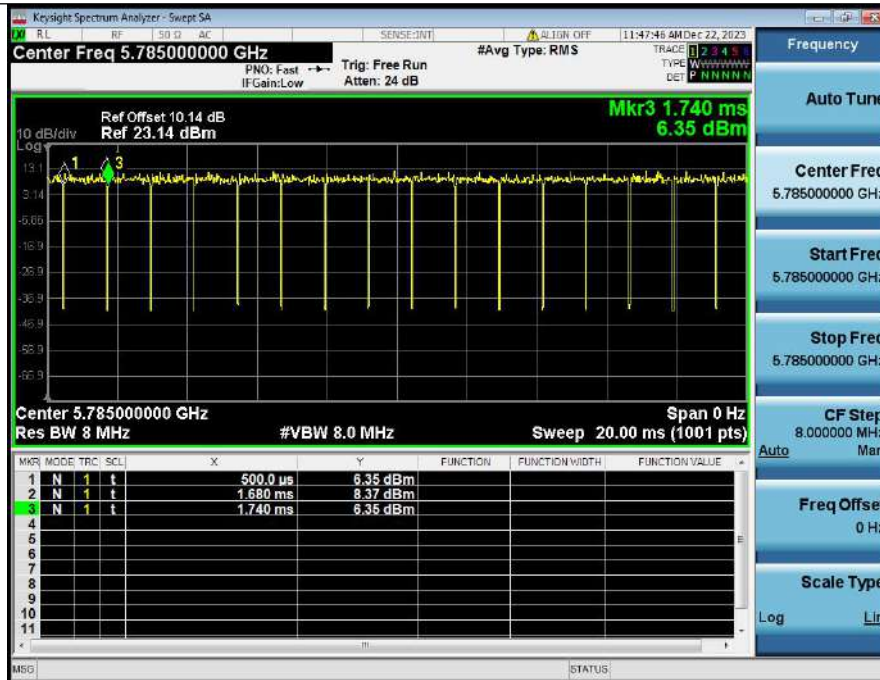
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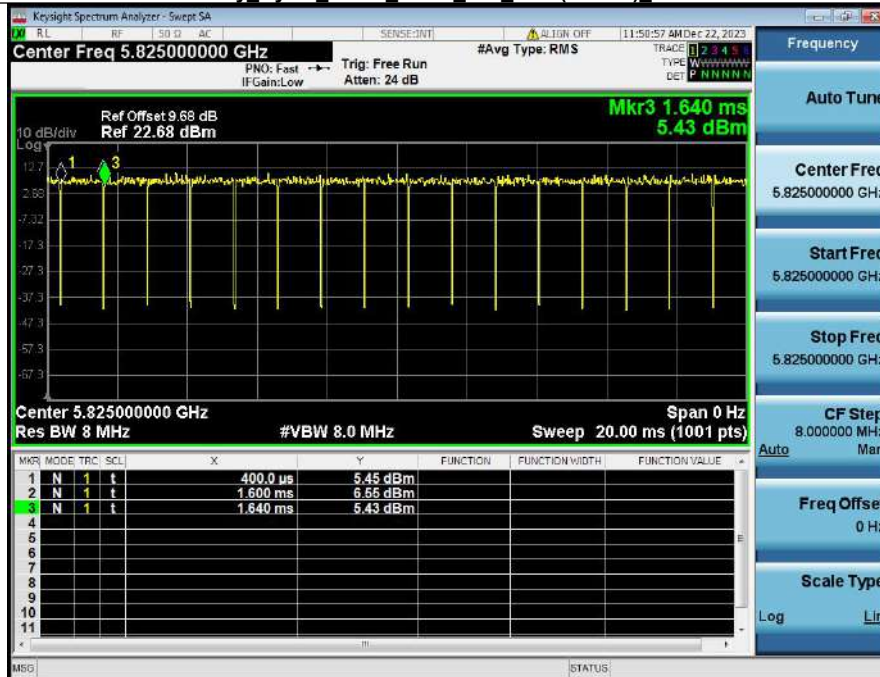
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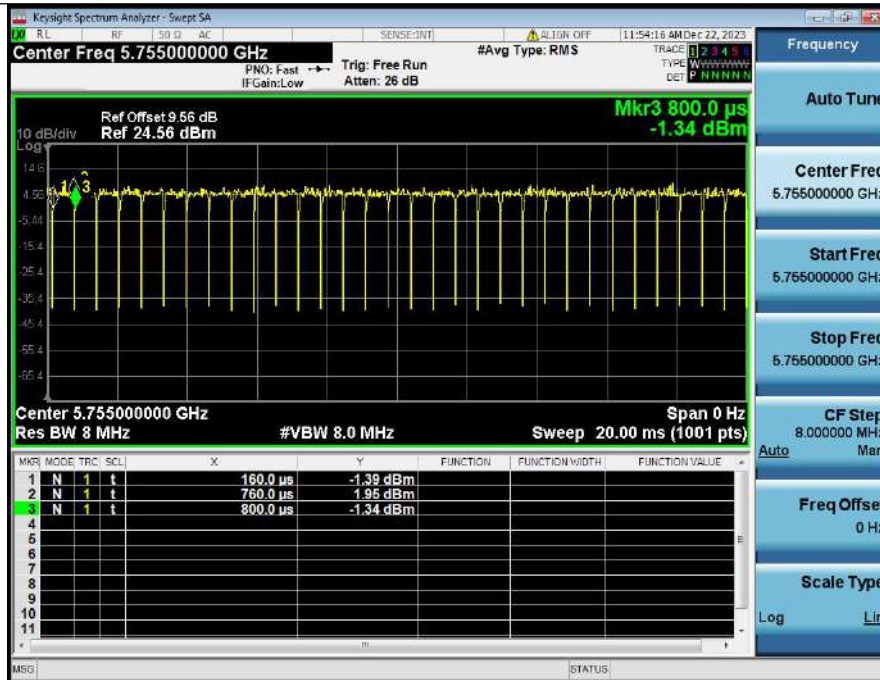
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5785



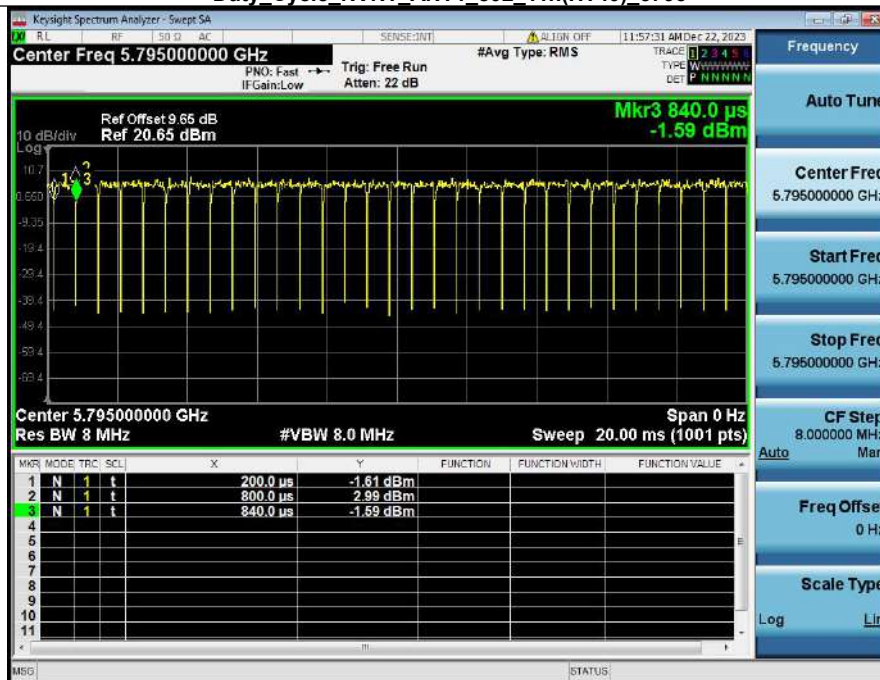
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5825



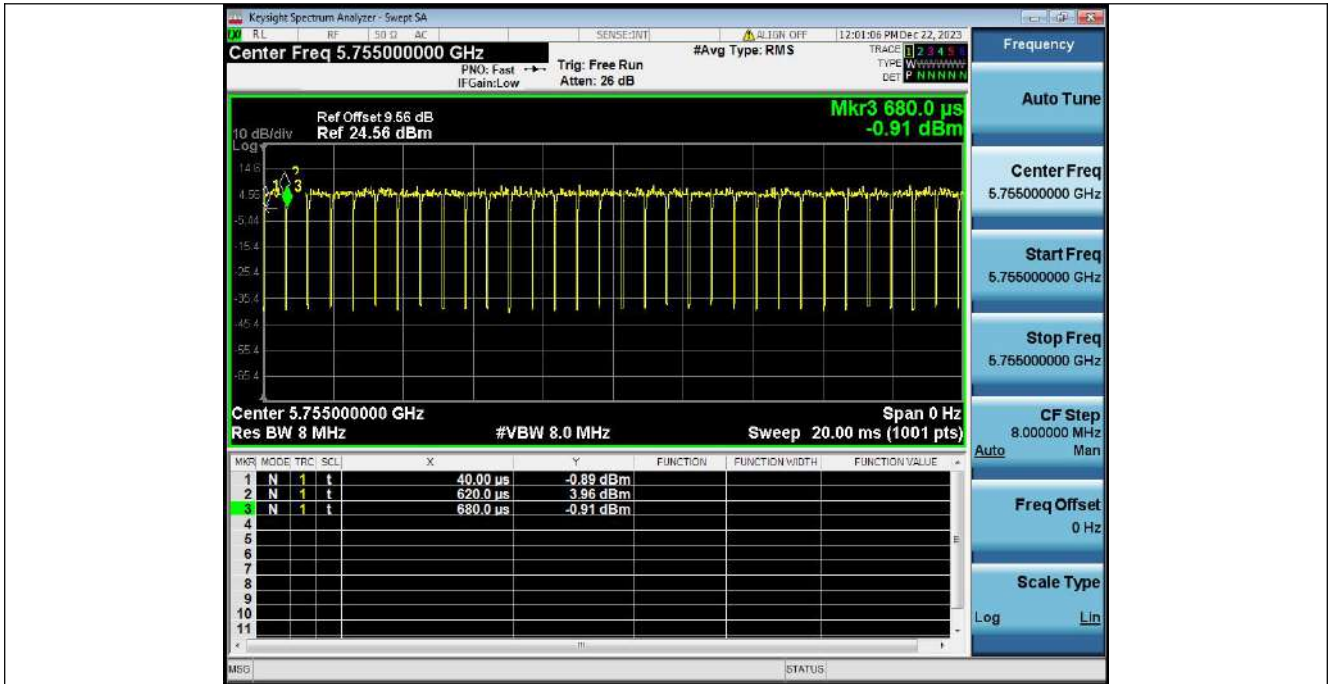
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5755



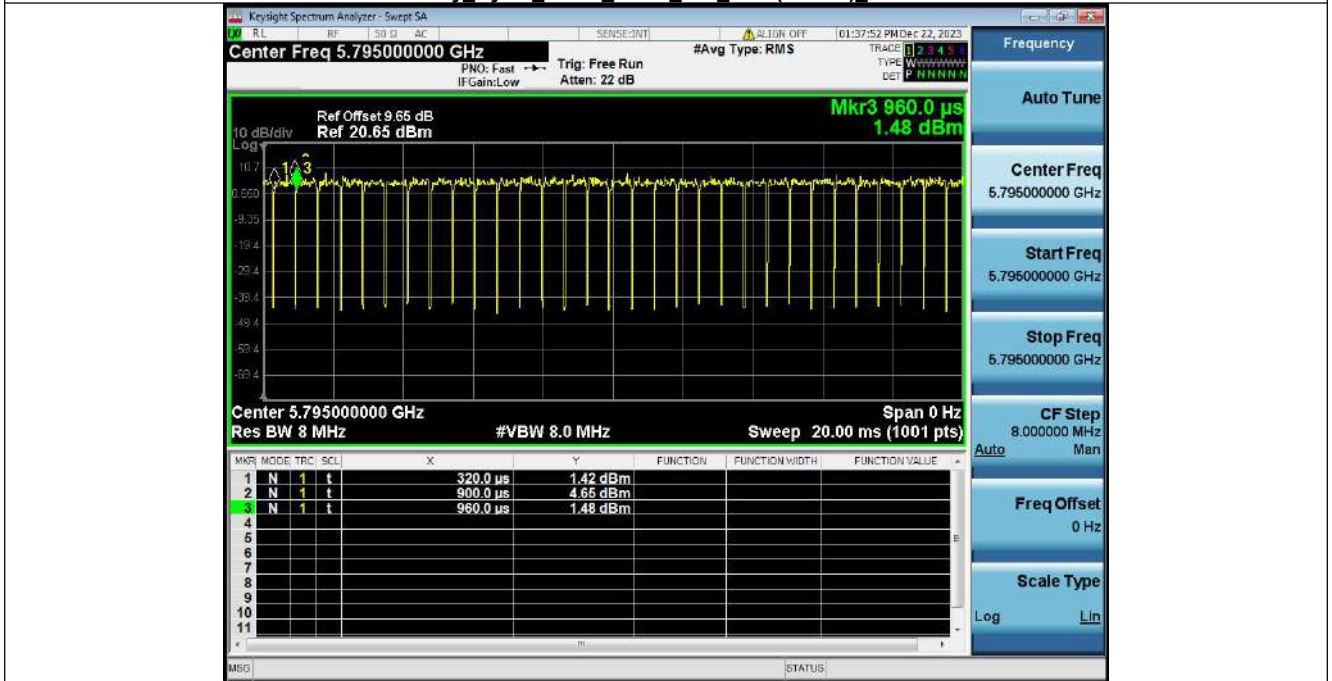
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5795



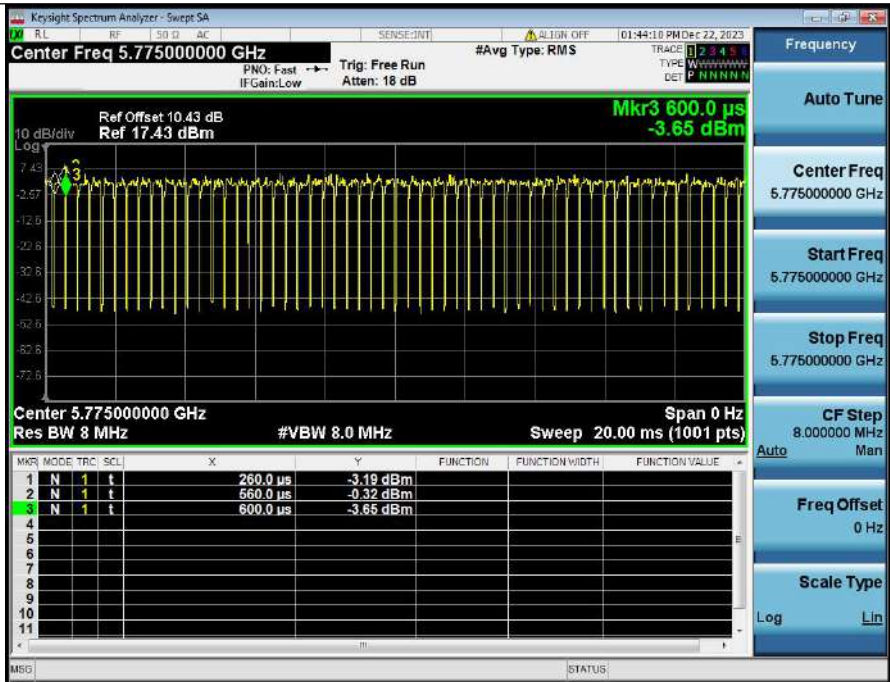
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5755



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5795



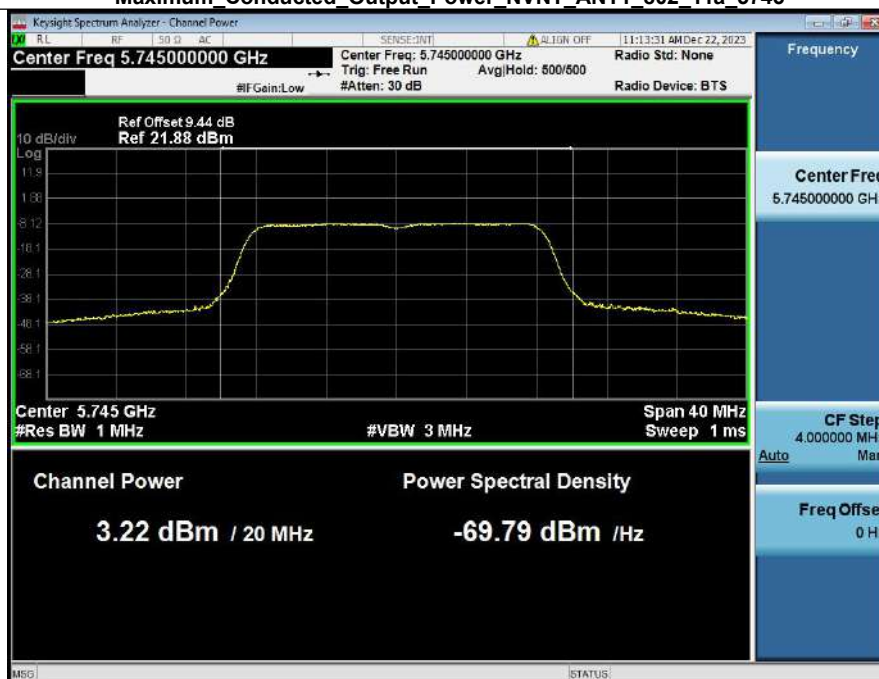
Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5775



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	3.22	0.18	3.40	30	Pass
NVNT	ANT1	802.11a	5785.00	4.27	0.18	4.45	30	Pass
NVNT	ANT1	802.11a	5825.00	2.67	0.18	2.85	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	3.57	0.22	3.79	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	4.82	0.14	4.96	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	3.27	0.22	3.49	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	3.78	0.22	4.00	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	4.90	0.22	5.12	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	3.41	0.14	3.55	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	3.69	0.28	3.97	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	3.76	0.28	4.04	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	3.59	0.43	4.02	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	3.51	0.43	3.94	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	3.99	0.54	4.53	30	Pass

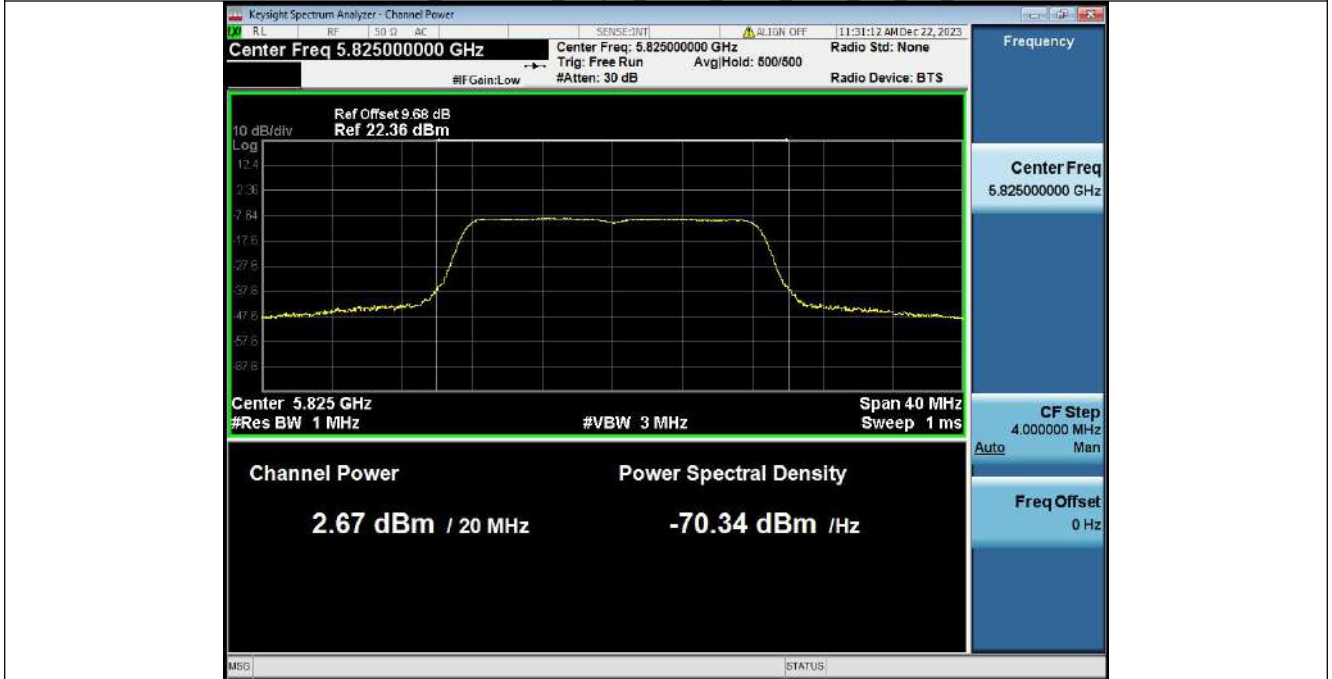
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Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5785



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



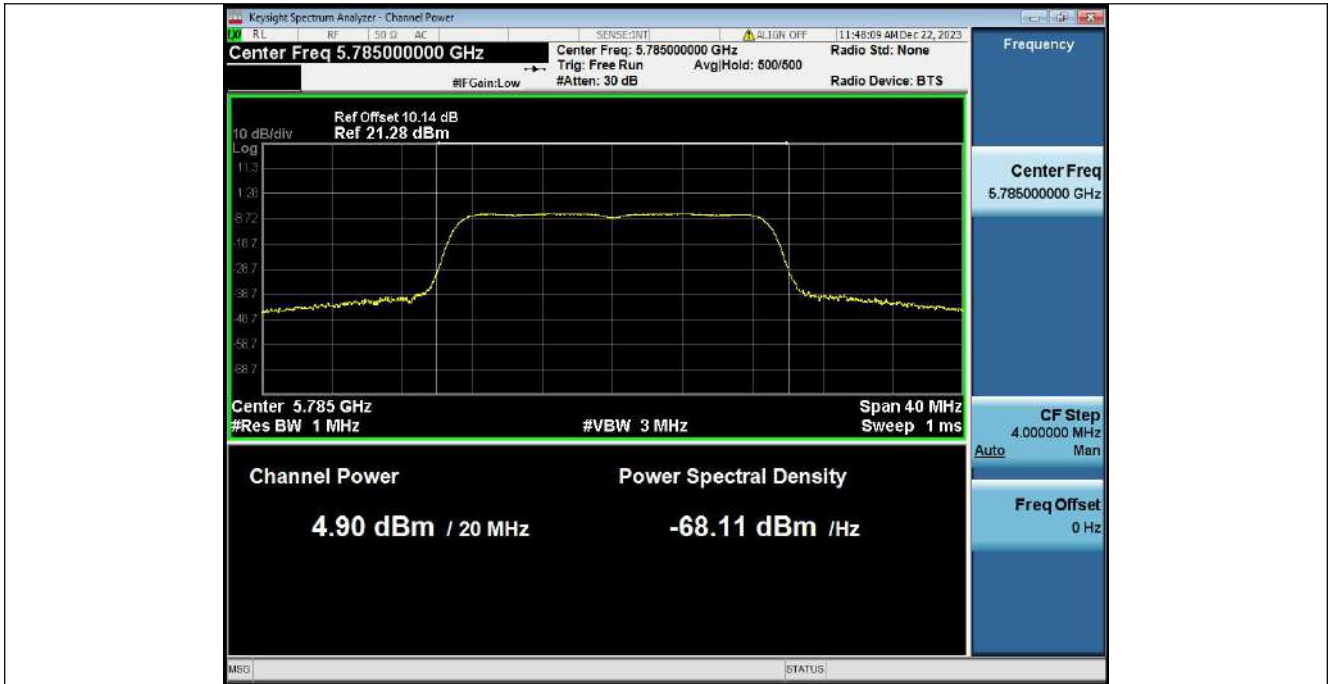
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Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5745



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



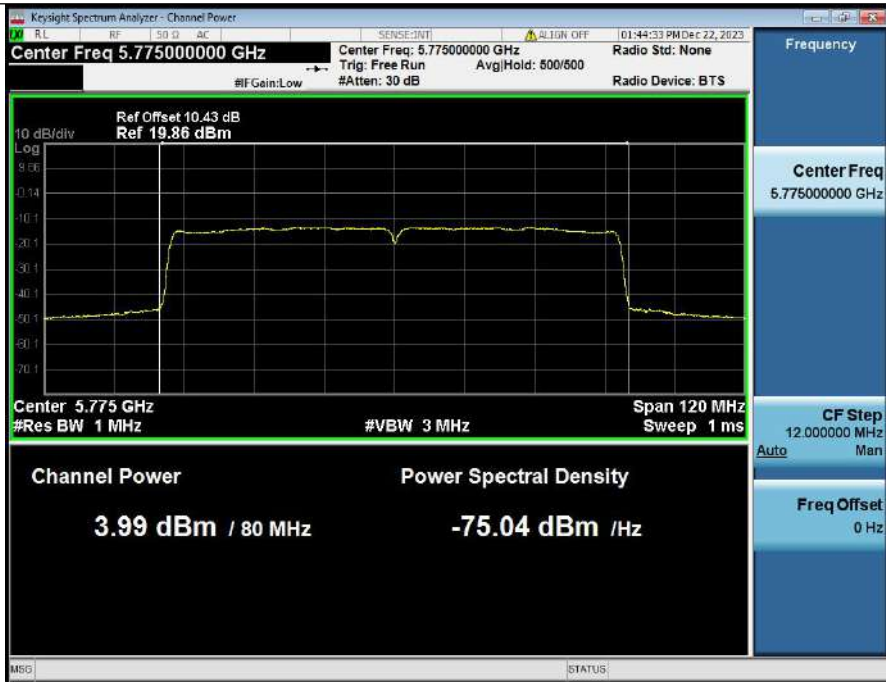
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Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5795



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	-10.77	0.18	-0	-10.68	30	Pass
NVNT	ANT1	802.11a	5785.00	-9.79	0.18	-0	-9.70	30	Pass
NVNT	ANT1	802.11a	5825.00	-11.44	0.18	-0	-11.35	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-10.40	0.22	-0	-10.27	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-9.38	0.14	-0	-9.33	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-10.83	0.22	-0	-10.70	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-10.39	0.22	-0	-10.25	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-9.10	0.22	-0	-8.97	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-10.74	0.14	-0	-10.69	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-13.38	0.28	-0	-13.19	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-13.30	0.28	-0	-13.11	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-13.35	0.43	-0	-13.00	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-13.43	0.43	-0	-13.08	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-16.07	0.54	-0	-15.62	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



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5795



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

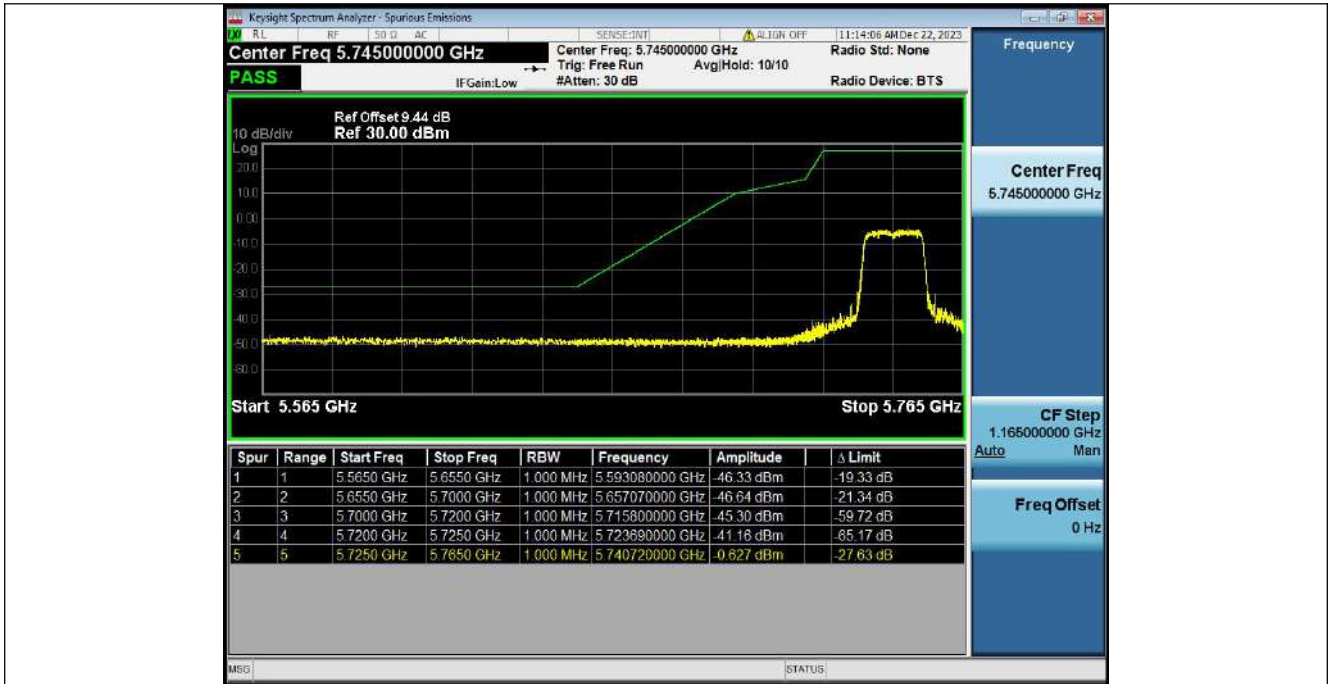


6. Bandedge

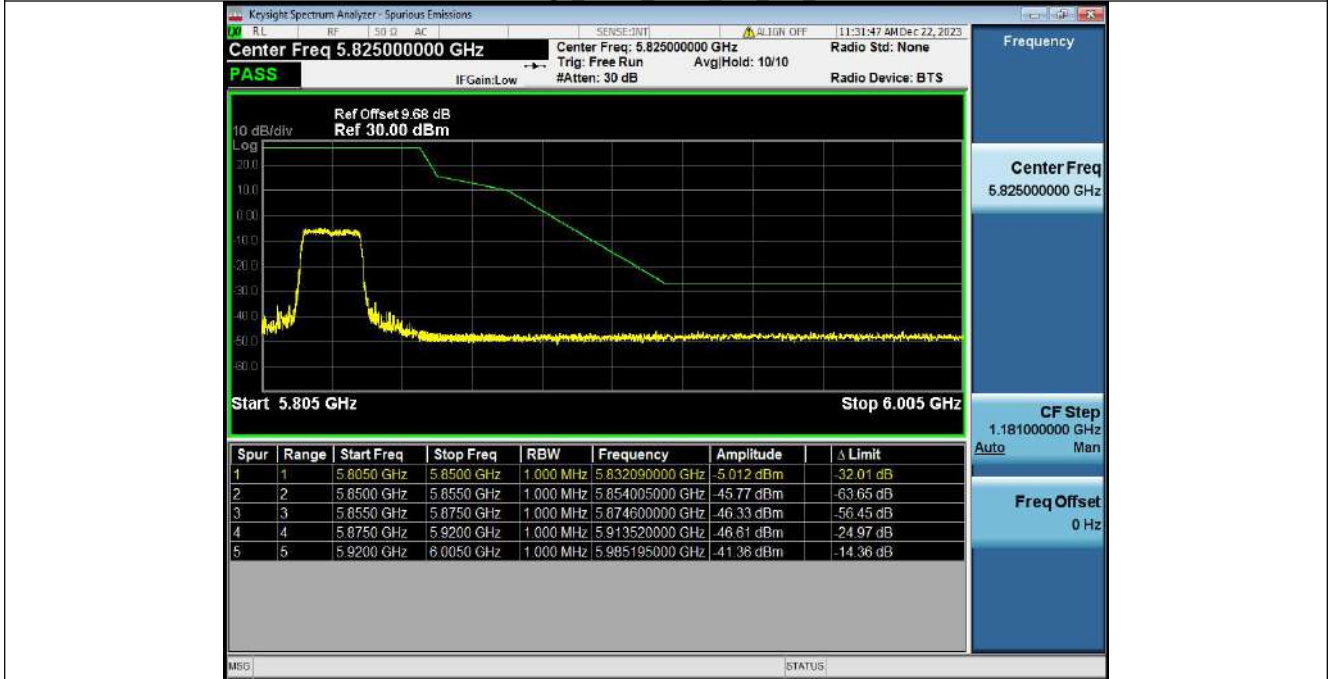
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5593.080	-46.33	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5657.070	-46.64	-25.30	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5715.800	-45.30	14.42	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5723.690	-41.16	24.01	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.005	-45.77	17.87	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5874.600	-46.33	10.11	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5913.520	-46.61	-21.67	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5985.195	-41.36	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5629.800	-46.27	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5662.605	-46.99	-20.75	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5714.080	-44.79	13.94	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5721.955	-40.56	20.06	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5853.385	-44.73	19.28	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5874.860	-46.67	10.04	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5919.820	-46.45	-26.85	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	6001.515	-40.71	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5575.350	-45.98	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5662.335	-46.89	-20.97	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5719.180	-43.29	15.37	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5723.235	-39.51	22.98	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5852.300	-43.23	21.76	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5868.320	-46.49	11.87	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5919.280	-46.15	-26.41	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5965.050	-41.20	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5632.440	-46.13	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5661.435	-46.34	-21.71	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5708.980	-45.45	12.51	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5721.505	-42.49	19.03	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.410	-46.24	16.95	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5872.460	-46.50	10.71	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5919.325	-46.19	-26.44	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5948.805	-41.74	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5633.400	-46.17	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5656.125	-46.94	-26.07	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5719.820	-40.72	15.55	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5721.740	-42.49	19.57	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.705	-46.46	16.27	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5874.880	-46.29	10.03	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5917.840	-46.08	-25.22	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5936.870	-42.29	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5652.655	-45.31	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5661.300	-45.67	-21.82	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5706.320	-44.56	11.77	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5720.575	-42.23	16.91	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5854.800	-45.31	16.06	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5872.240	-45.71	10.77	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5917.885	-45.75	-25.26	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5924.805	-40.70	-27.00	Pass

Note: Antenna gain has been added to the spectrum for evaluation.

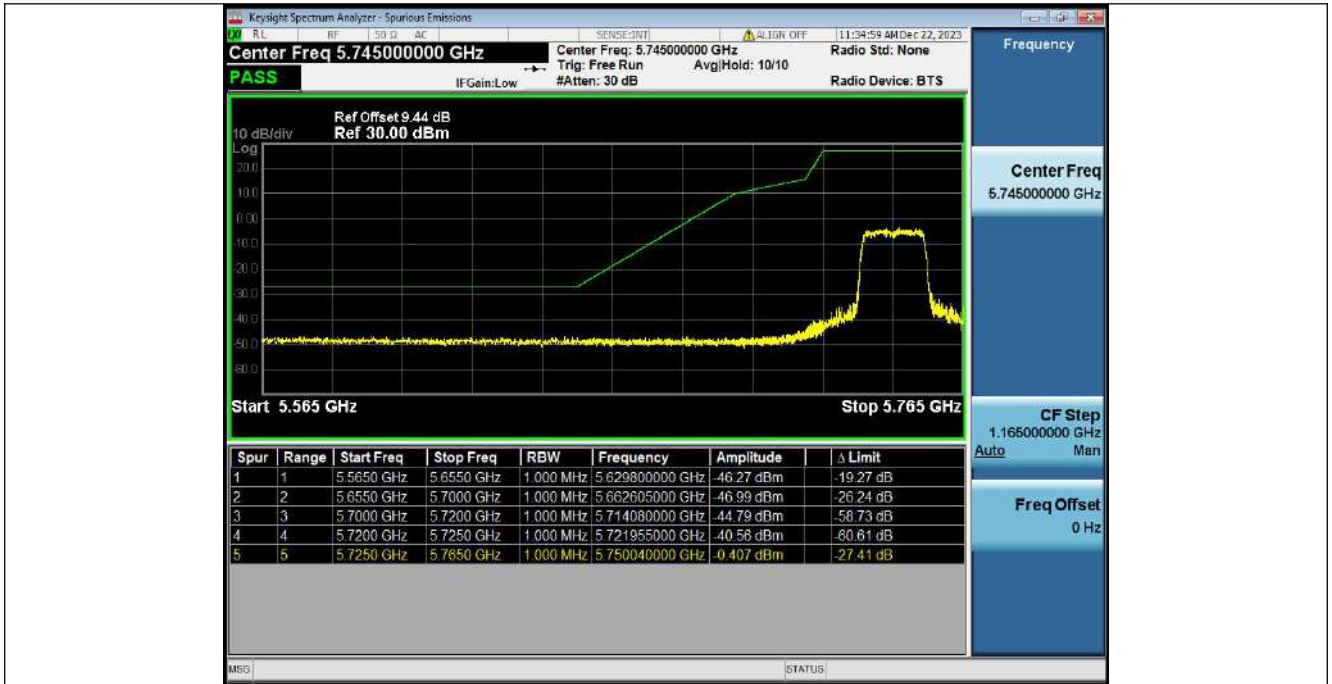
Bandedge_NVNT_ANT1_802_11a_5745



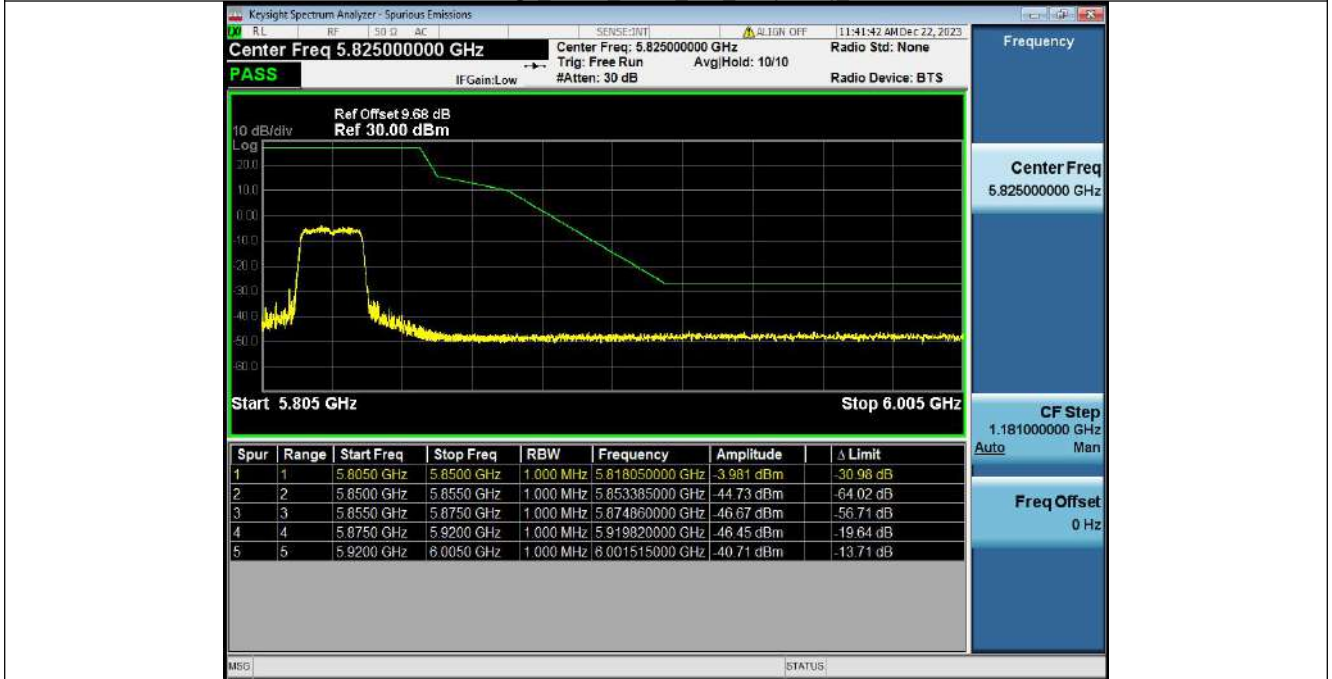
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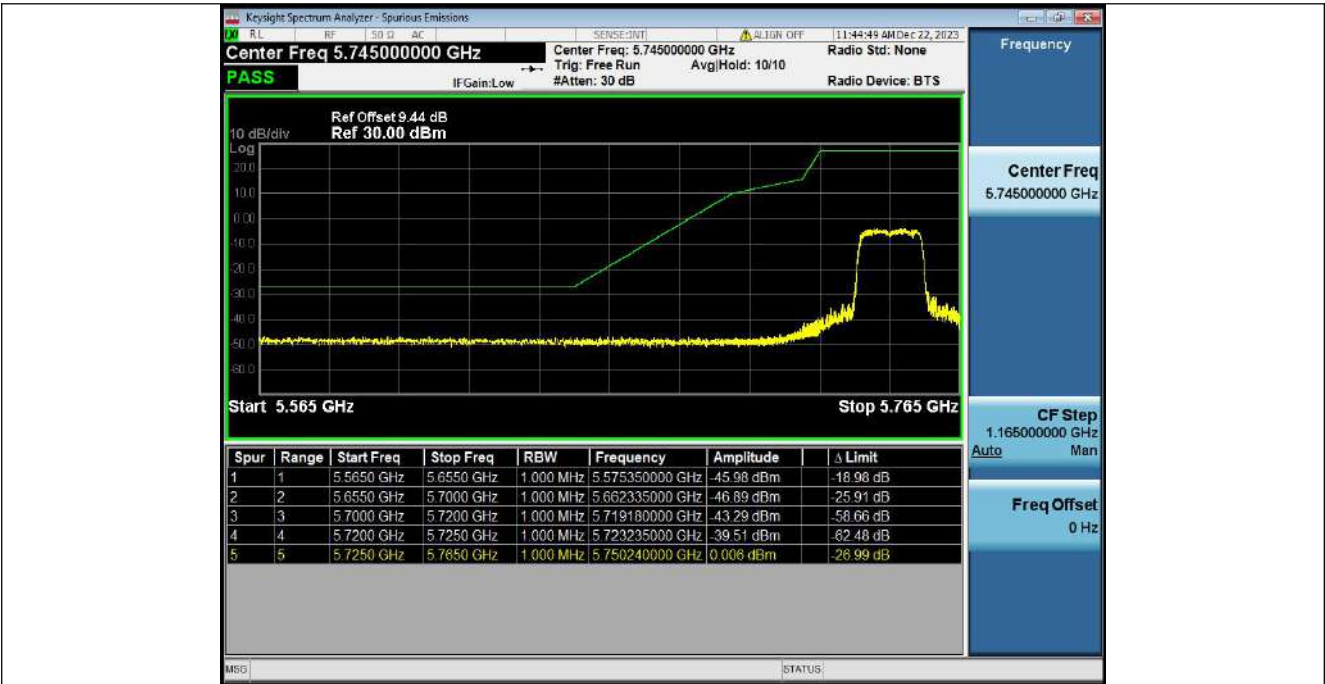
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Bandedge_NVNT_ANT1_802_11n(HT20)_5825



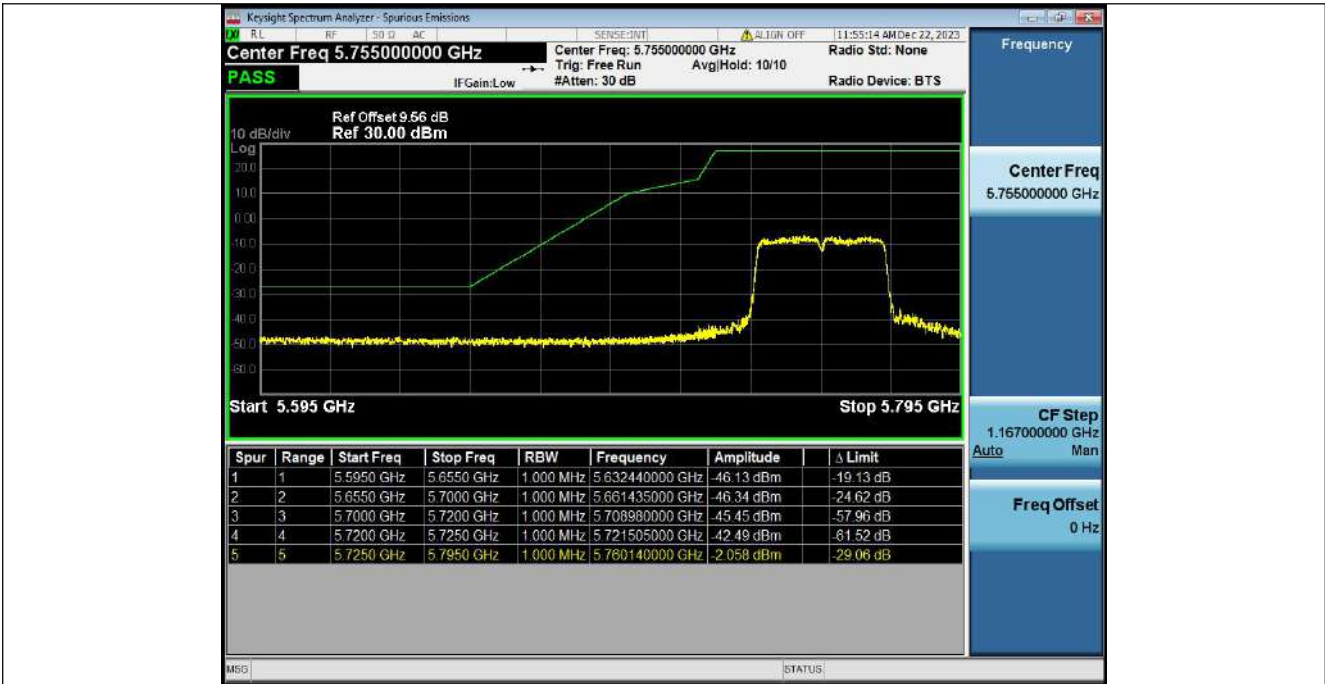
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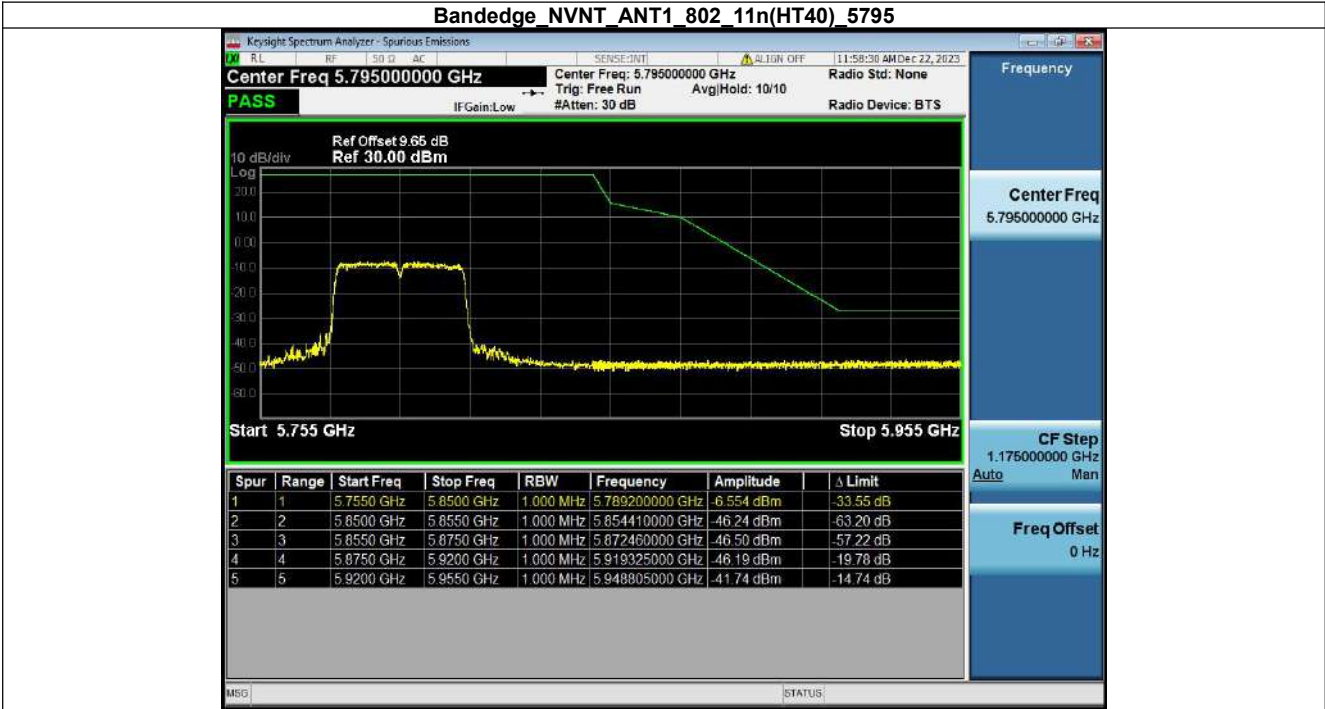
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Bandedge_NVNT_ANT1_802_11n(HT40)_5755



Bandedge_NVNT_ANT1_802_11n(HT40)_5795



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5755



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5795



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_low



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_up

