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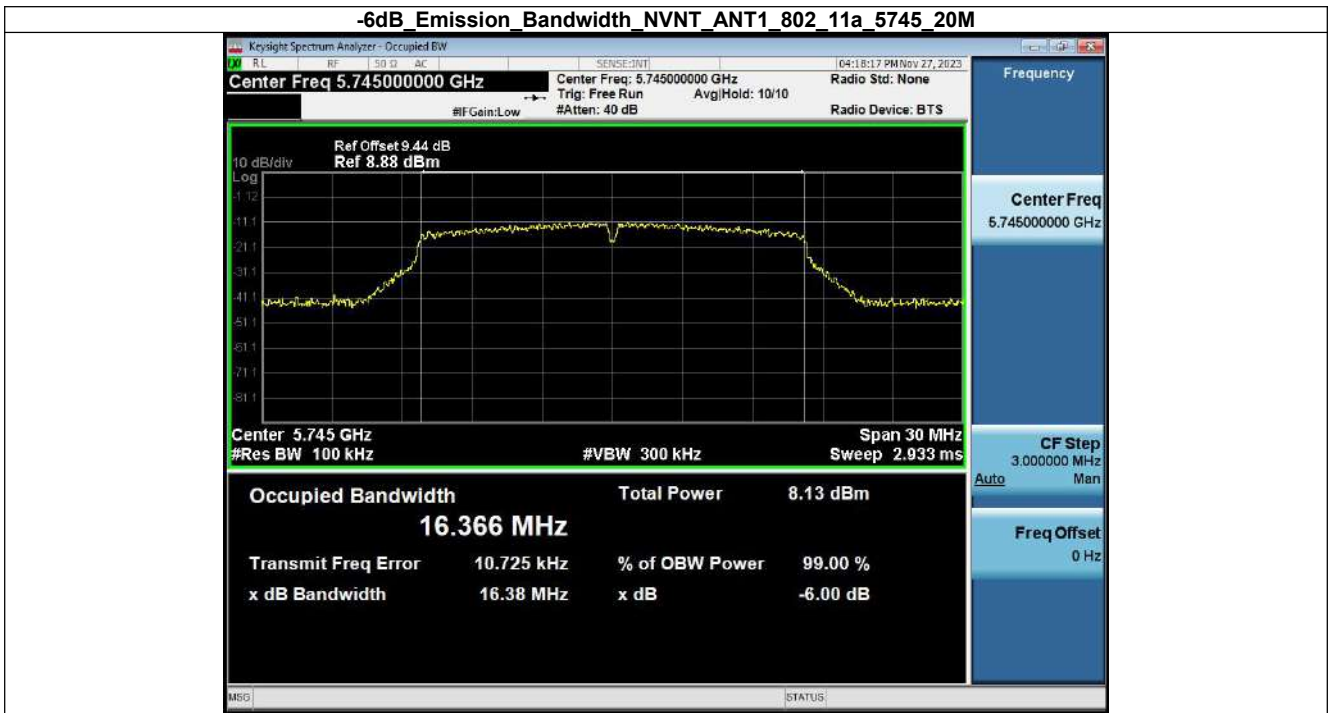
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231124 FCC ID WIFI5.8

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	16.380	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.338	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.343	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.601	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.195	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.369	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.562	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.579	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.601	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.813	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.422	0.500	Pass
NVNT	ANT1	LCH	5755.00	36.084	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.088	0.500	Pass
NVNT	ANT1	MCH	5775.00	76.488	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

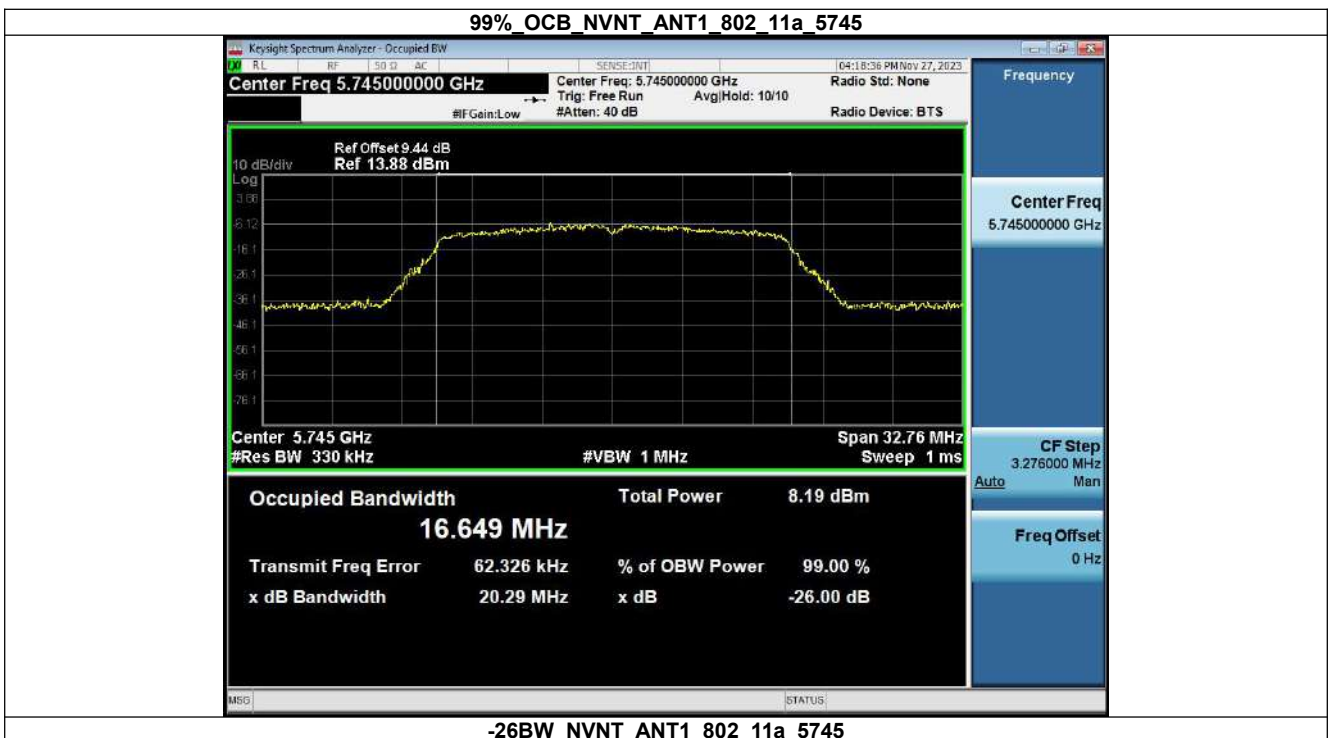


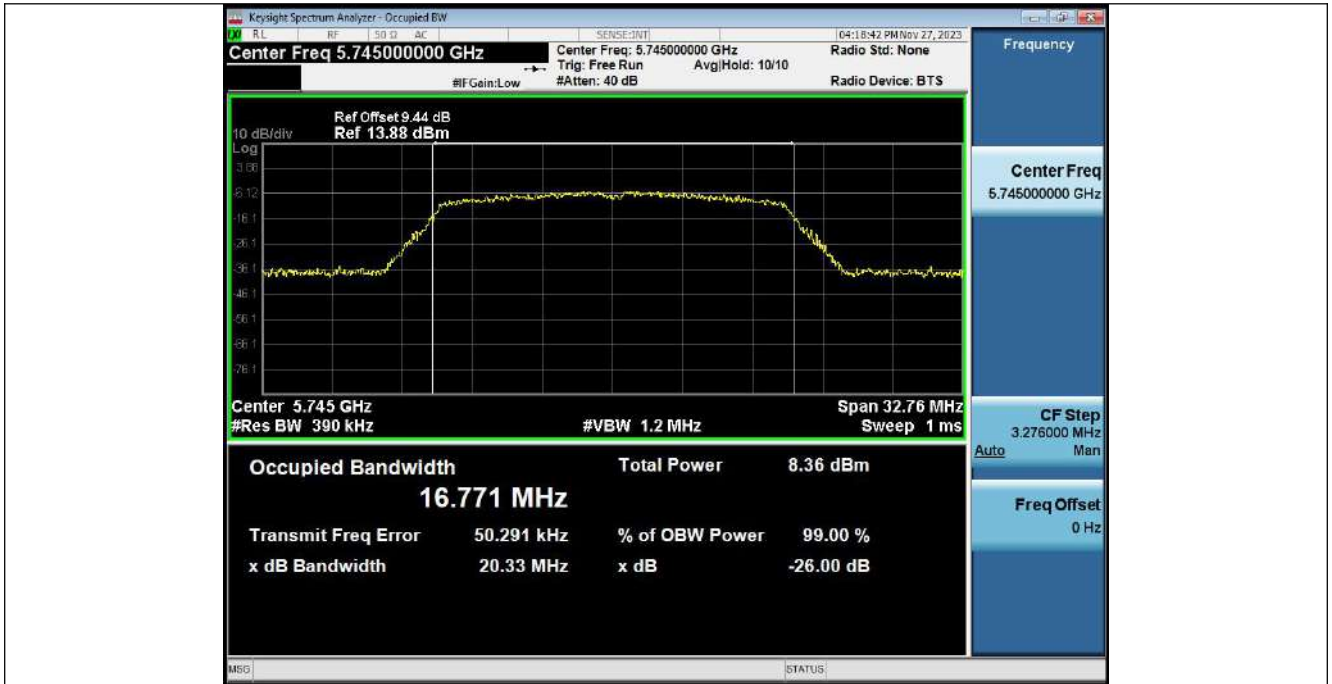
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT80)_5775_80M



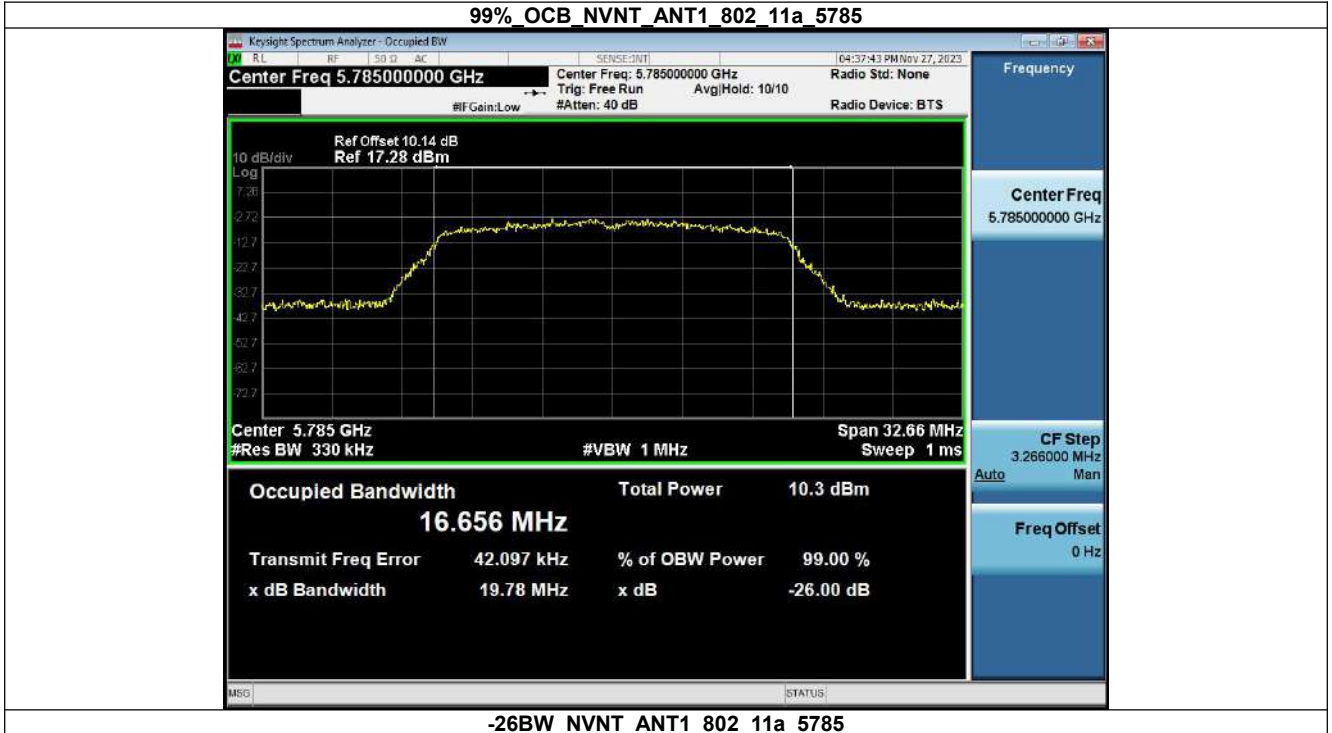
2. -26dB and 99% Emission Bandwidth

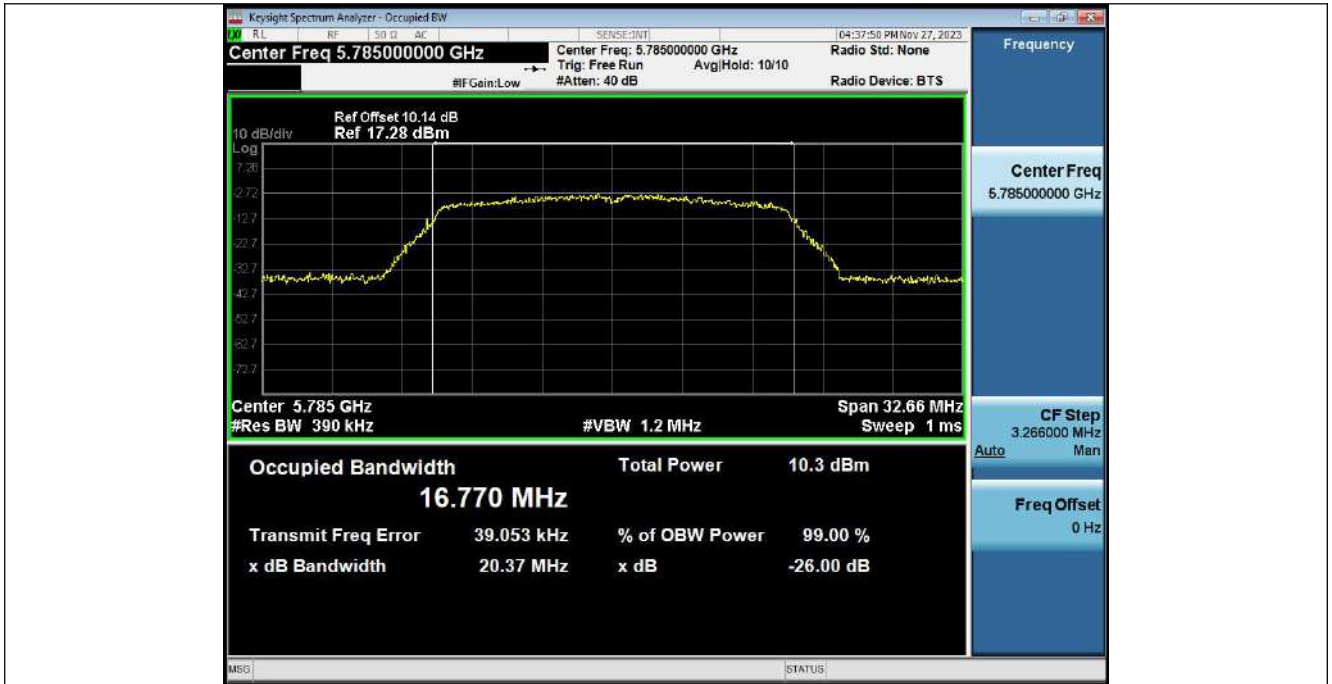
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	20.33	16.65
NVNT	ANT1	802.11a	5785.00	20.37	16.66
NVNT	ANT1	802.11a	5825.00	20.57	16.66
NVNT	ANT1	802.11n(HT20)	5745.00	20.59	17.72
NVNT	ANT1	802.11n(HT20)	5785.00	20.58	17.69
NVNT	ANT1	802.11n(HT20)	5825.00	20.67	17.73
NVNT	ANT1	802.11ac(VHT20)	5745.00	20.68	17.72
NVNT	ANT1	802.11ac(VHT20)	5785.00	20.58	17.77
NVNT	ANT1	802.11ac(VHT20)	5825.00	20.83	17.70
NVNT	ANT1	802.11n(HT40)	5755.00	41.51	36.26
NVNT	ANT1	802.11n(HT40)	5795.00	41.45	36.31
NVNT	ANT1	802.11ac(VHT40)	5755.00	41.49	36.32
NVNT	ANT1	802.11ac(VHT40)	5795.00	41.15	36.24
NVNT	ANT1	802.11ac(VHT80)	5775.00	87.02	75.98



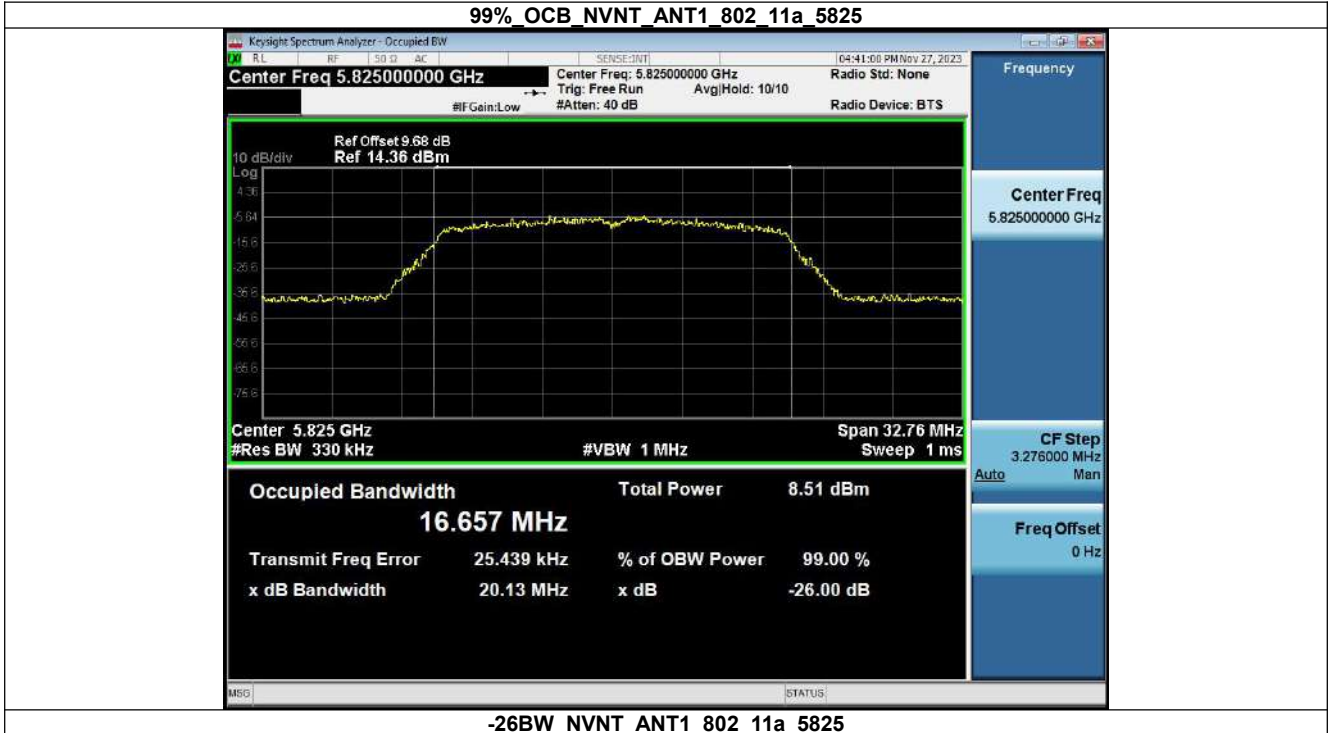


99% OCB NVNT_ANT1_802_11a_5785



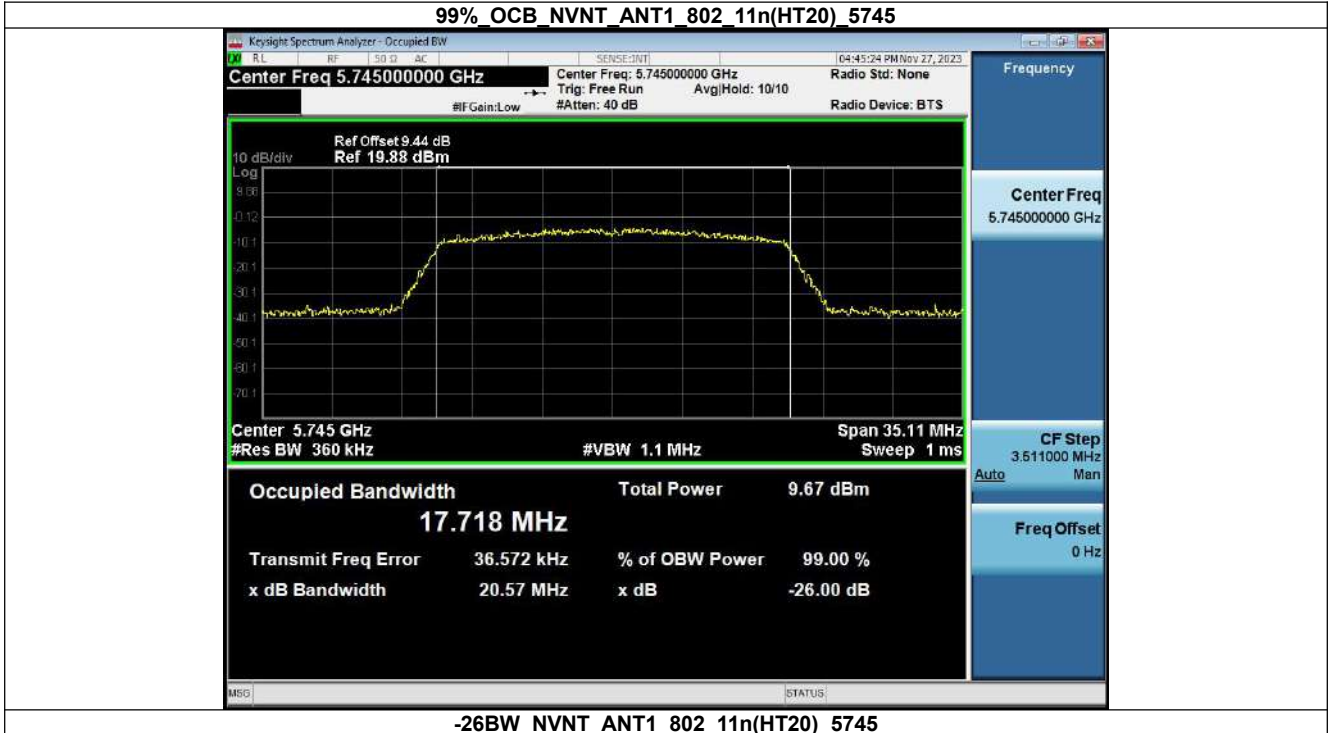


99% OCB NVNT_ANT1_802_11a_5825



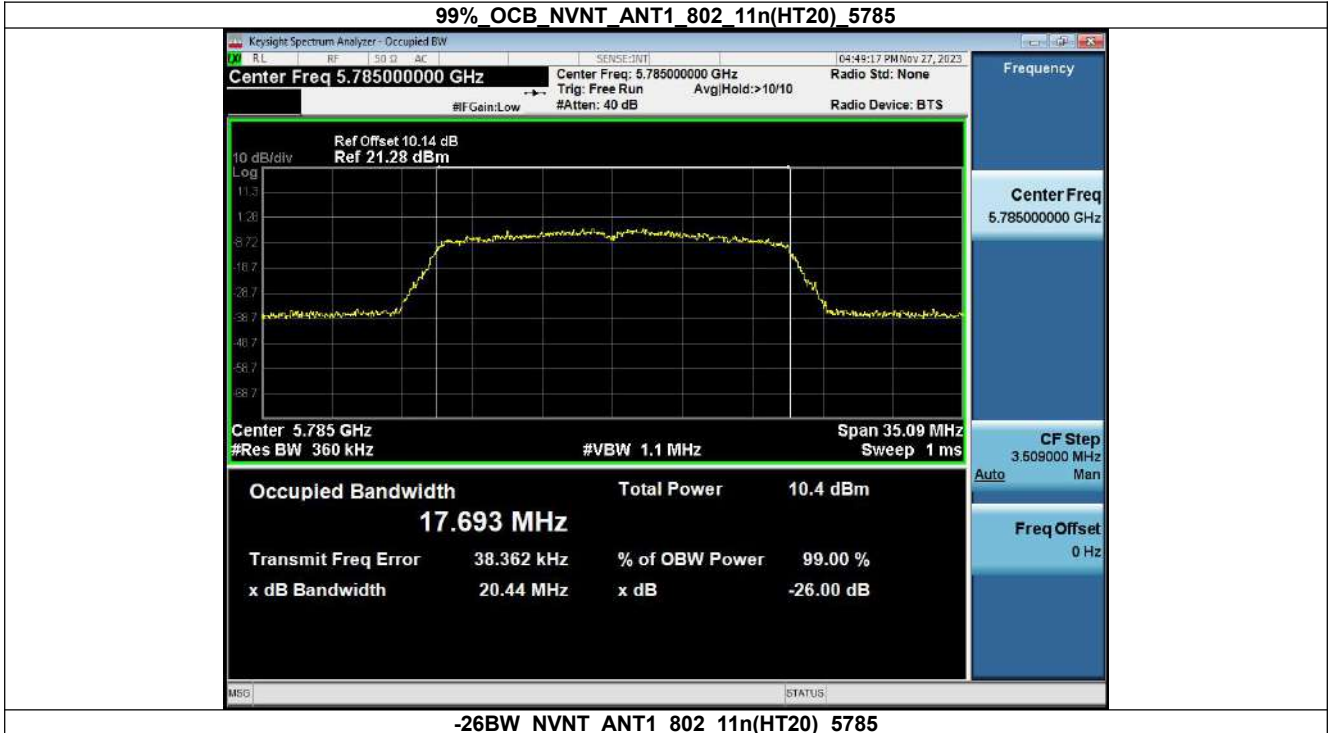


99% OCB NVNT ANT1_802_11n(HT20)_5745



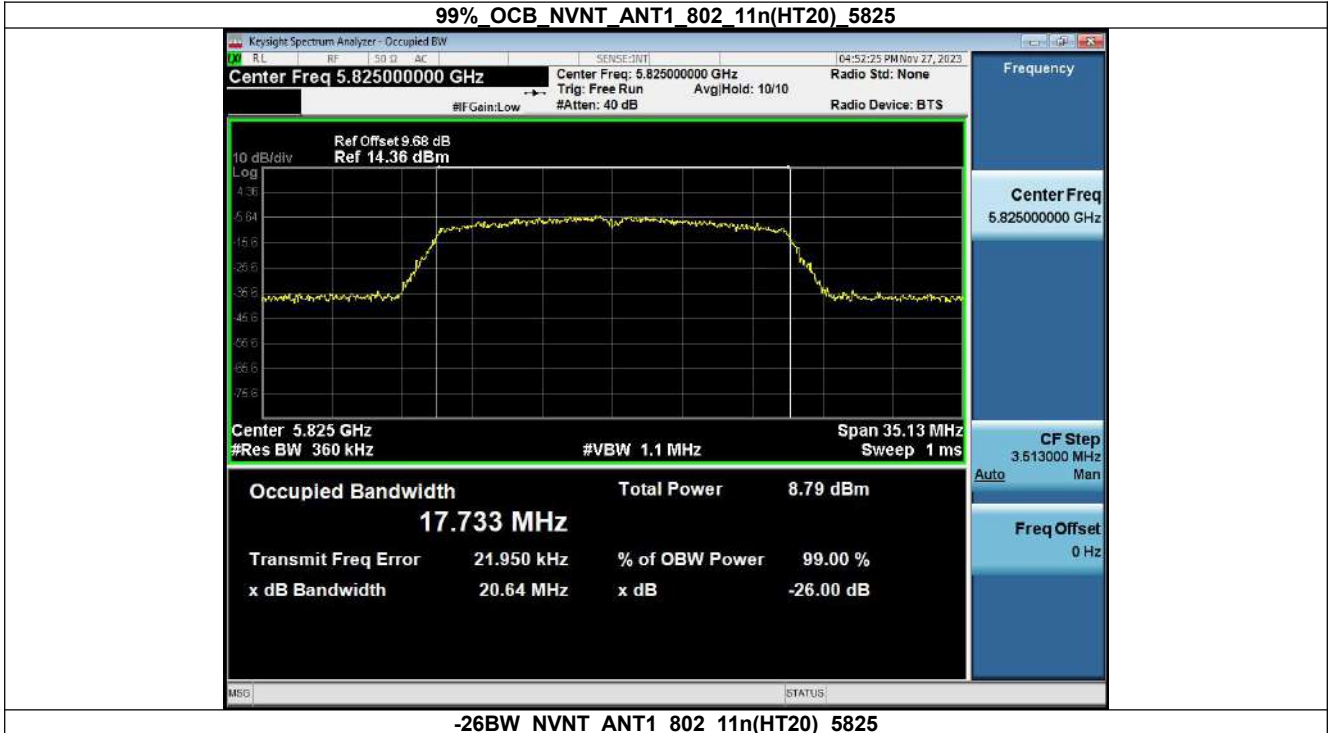


99% OCB NVNT_ANT1_802_11n(HT20)_5785





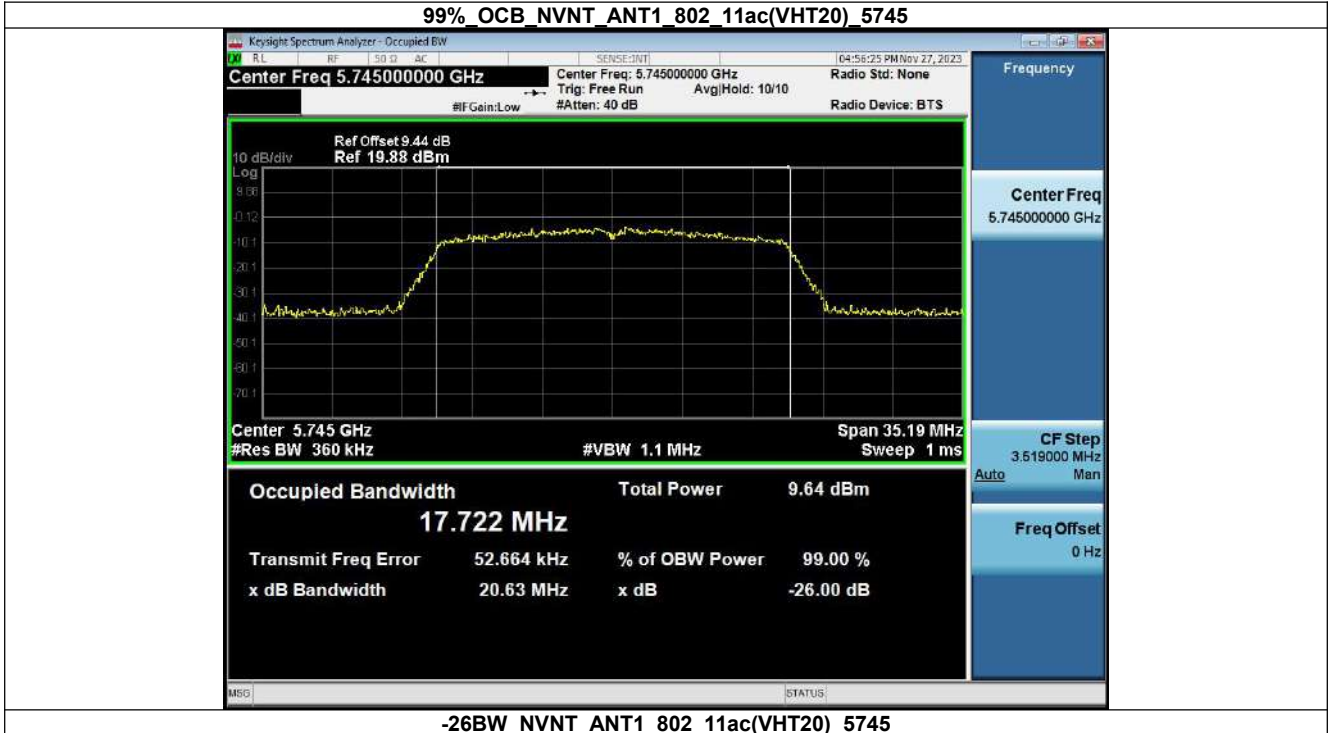
99% OCB NVNT_ANT1_802_11n(HT20)_5825



-26BW_NVNT_ANT1_802_11n(HT20)_5825

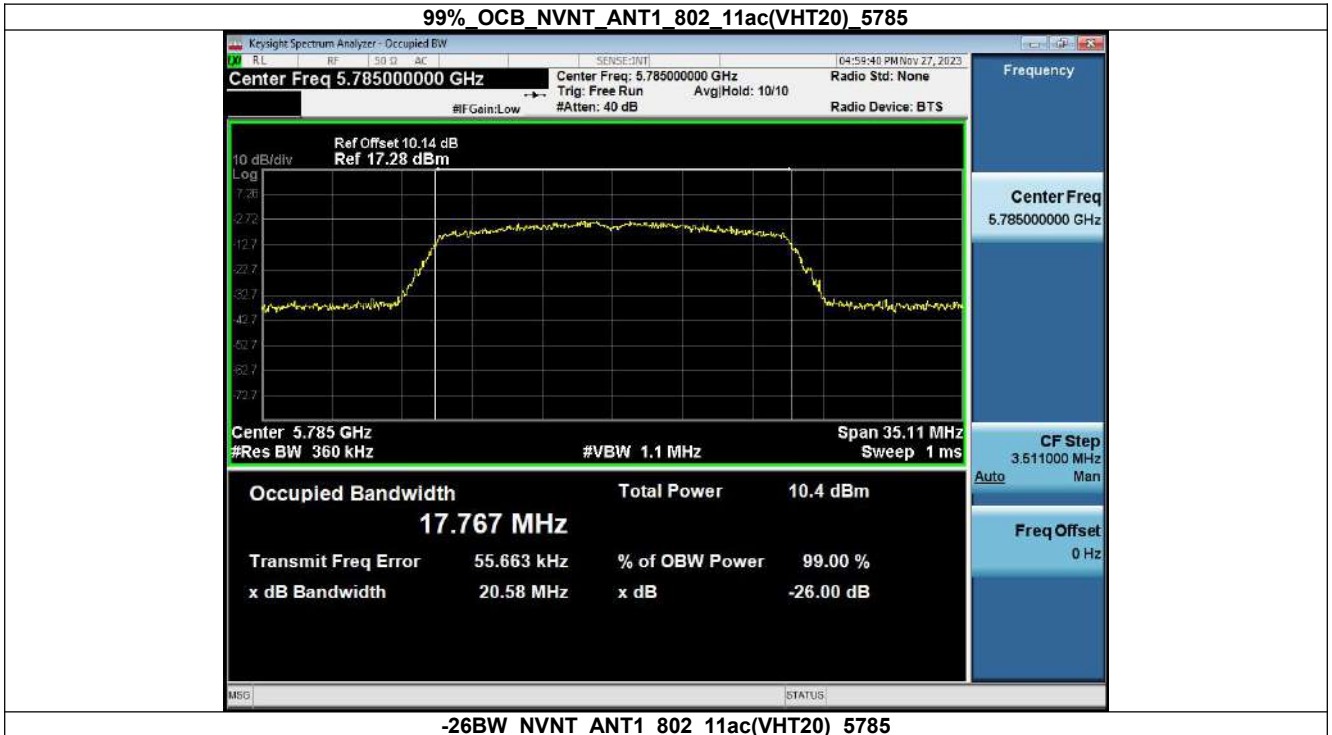


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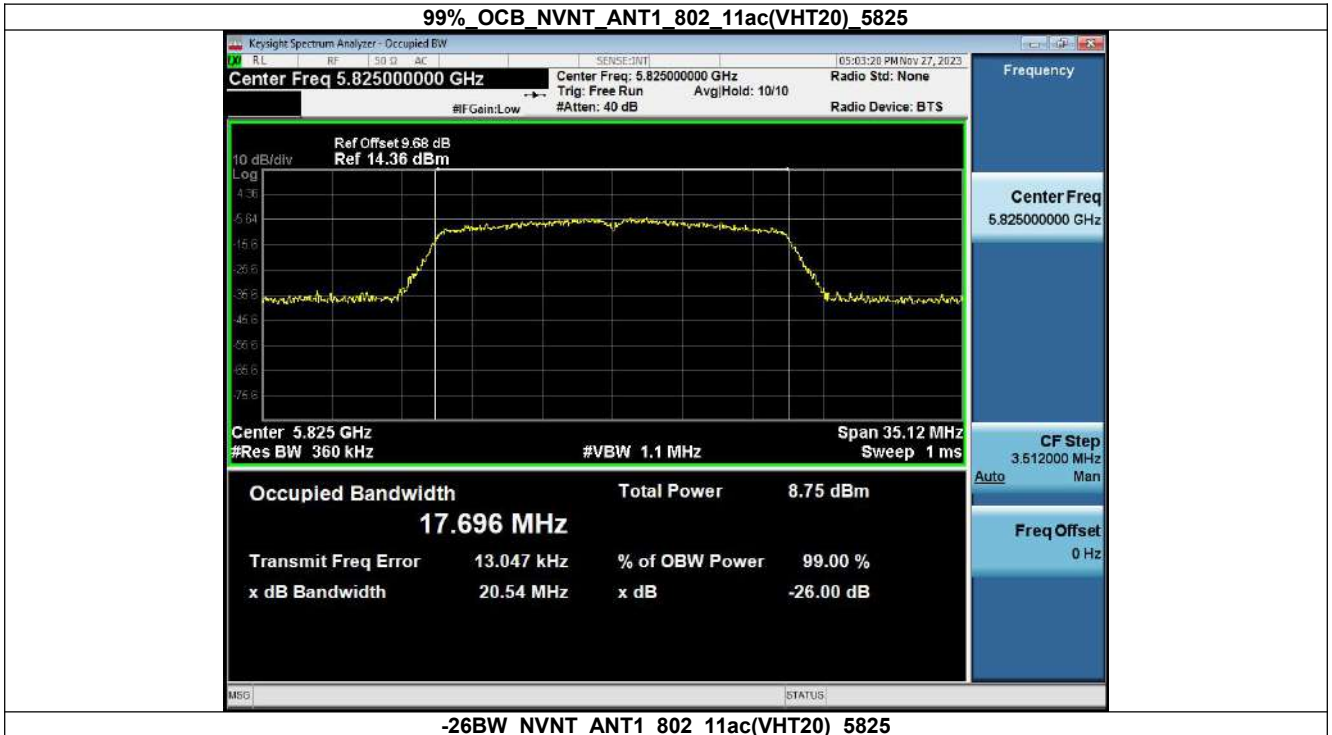


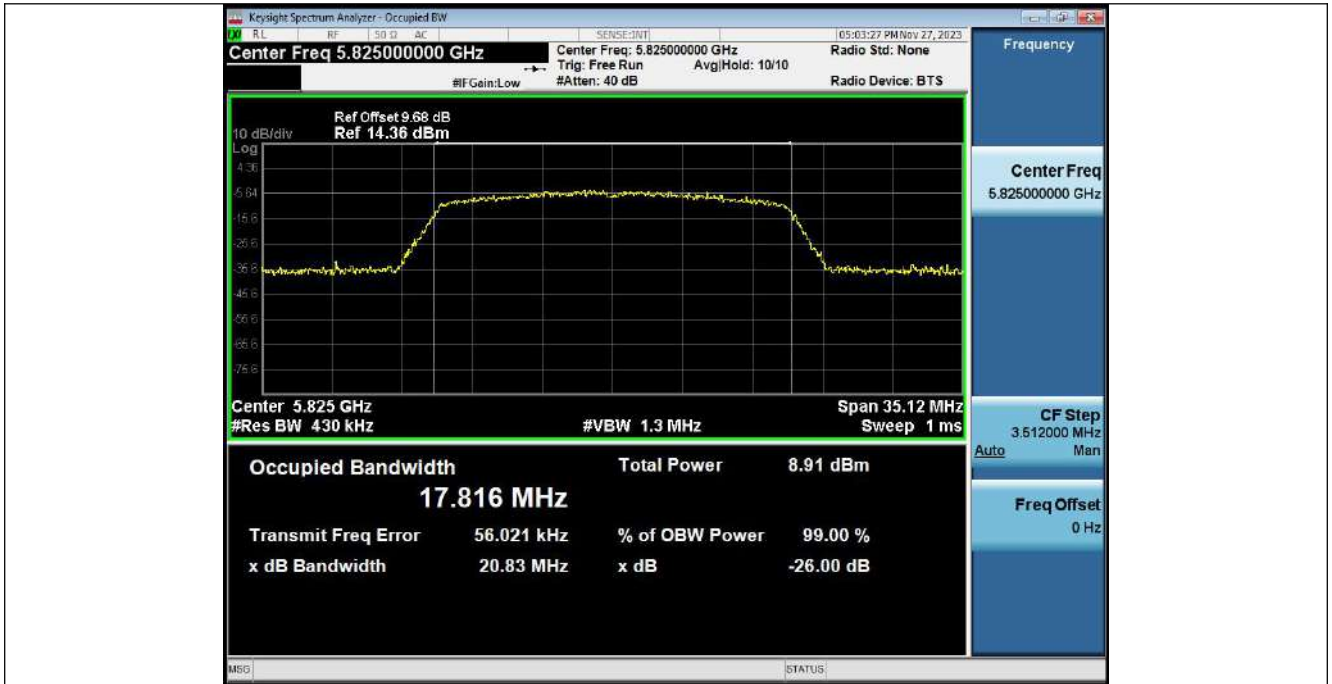
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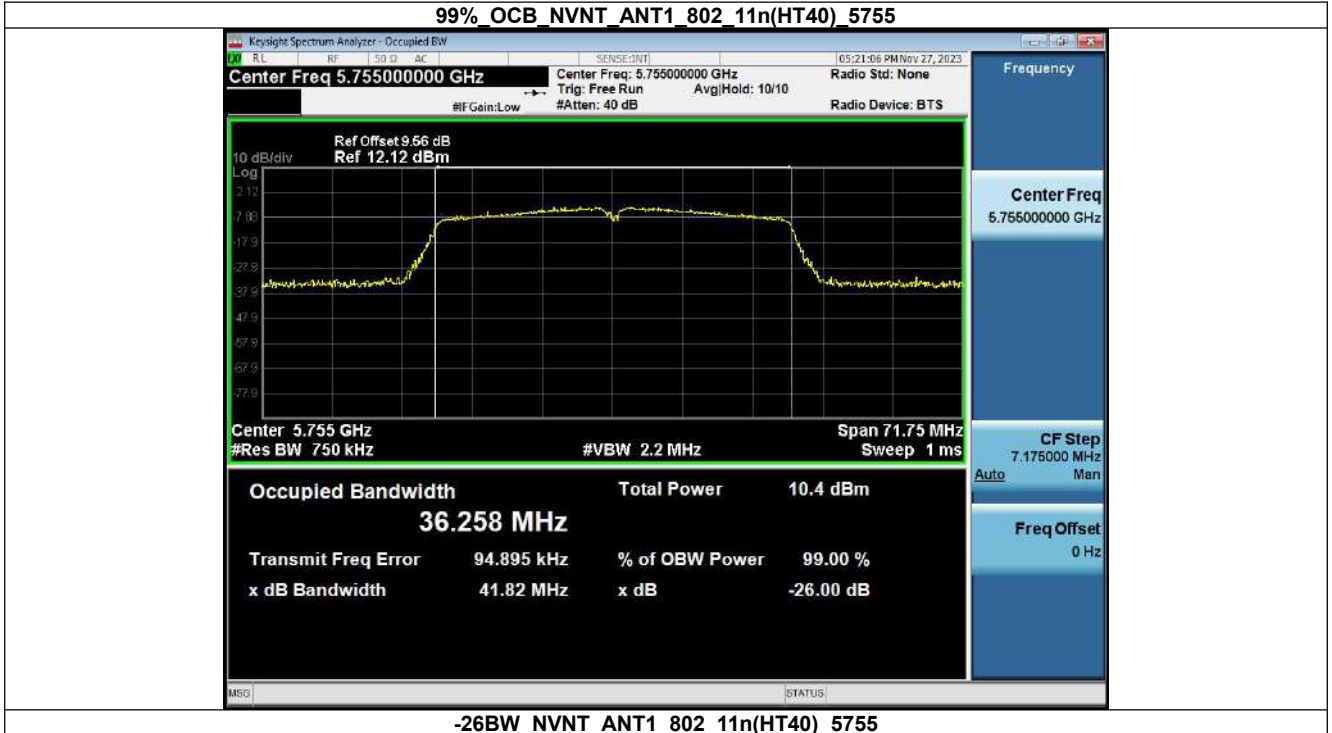


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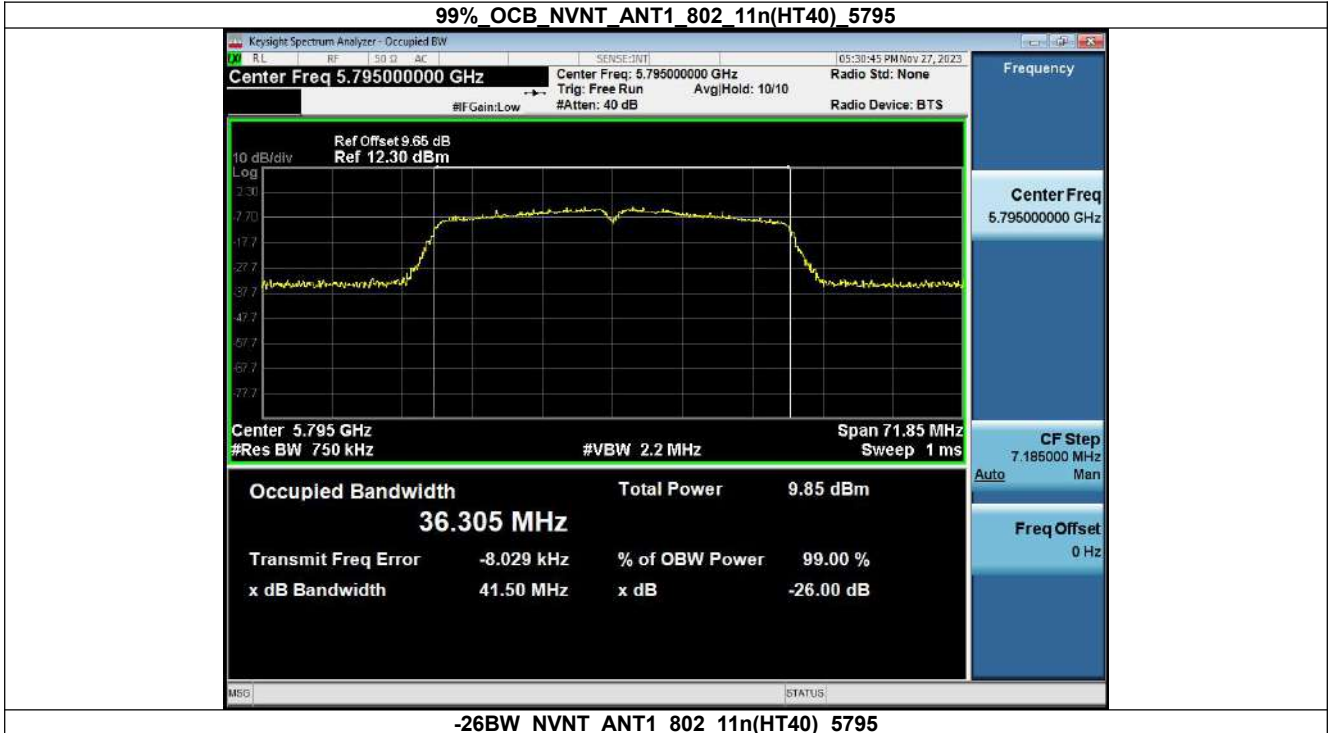


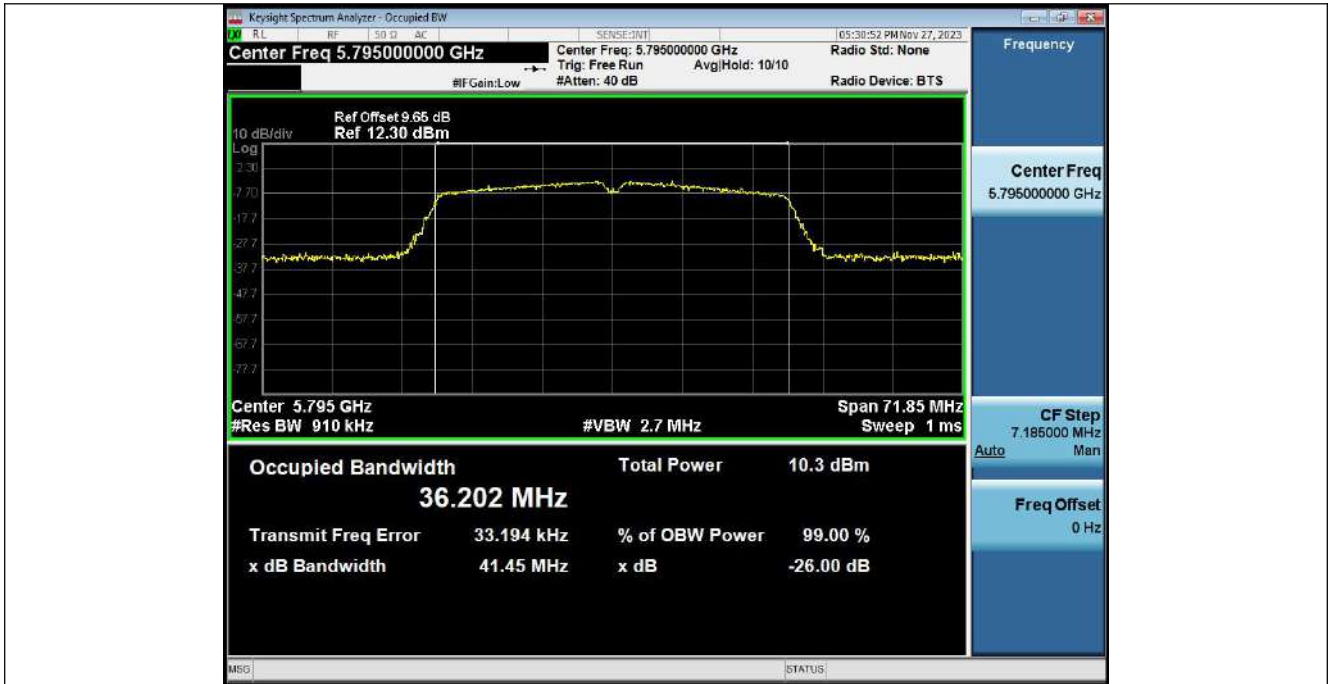
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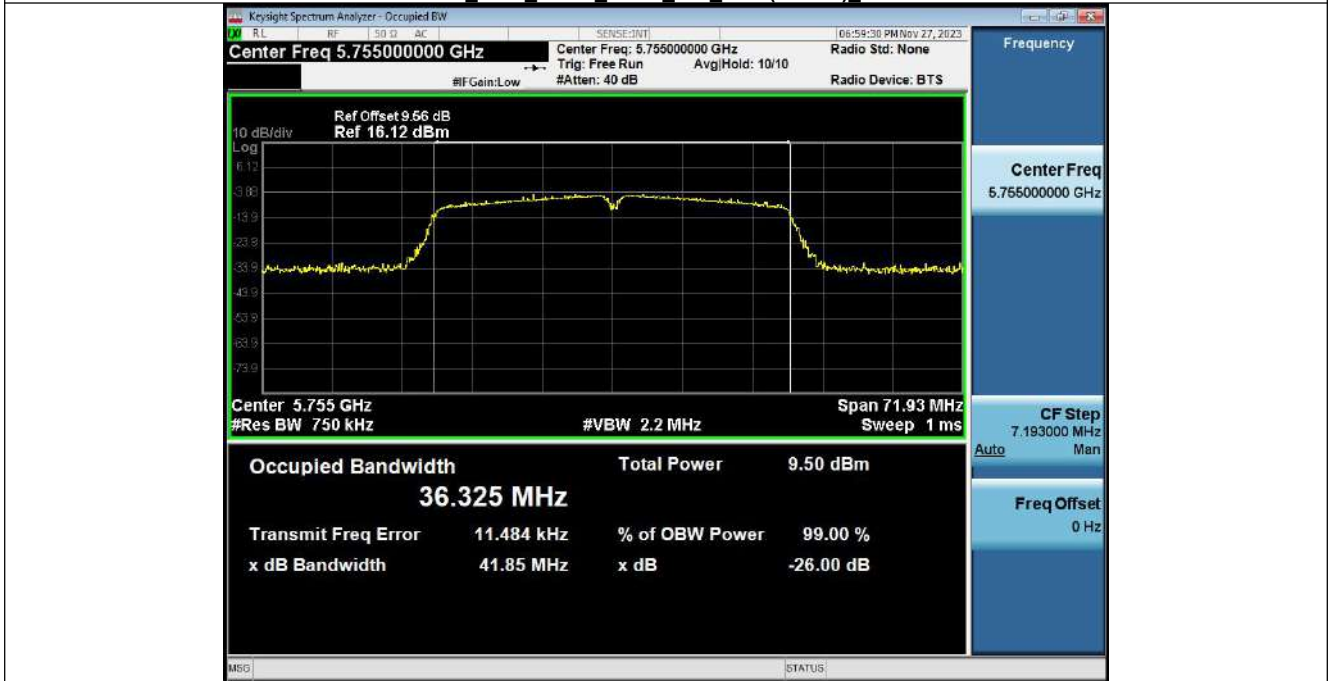


99% OCB NVNT_ANT1_802_11n(HT40)_5795

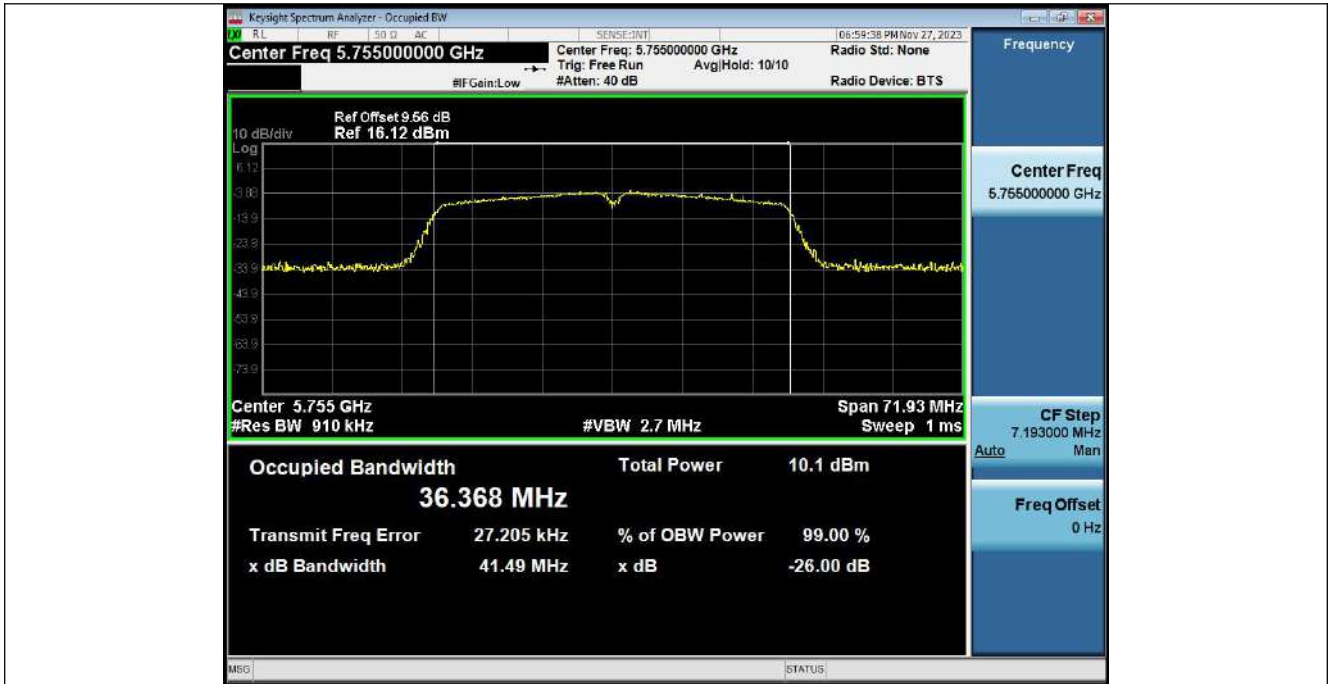




99% OCB_NVNT_ANT1_802_11ac(VHT40)_5755



-26BW_NVNT_ANT1_802_11ac(VHT40)_5755



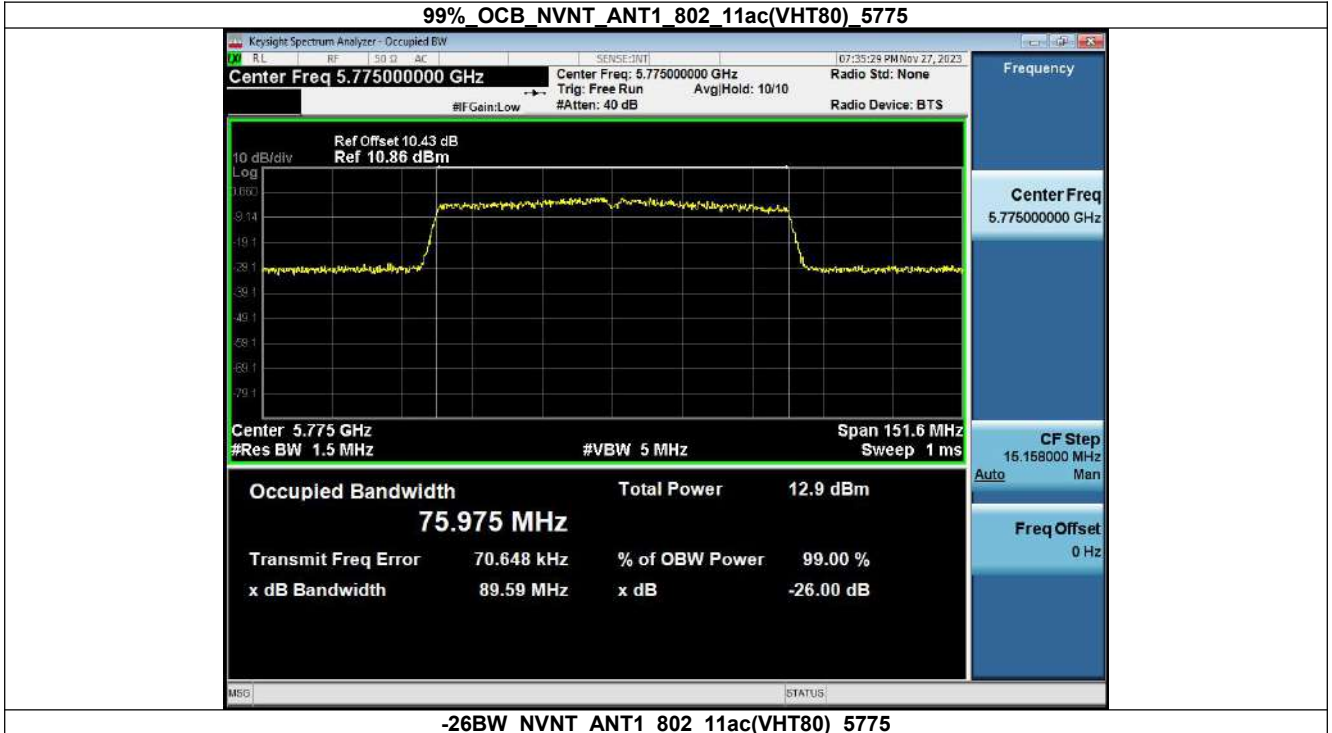
99% OCB_NVNT_ANT1_802_11ac(VHT40)_5795



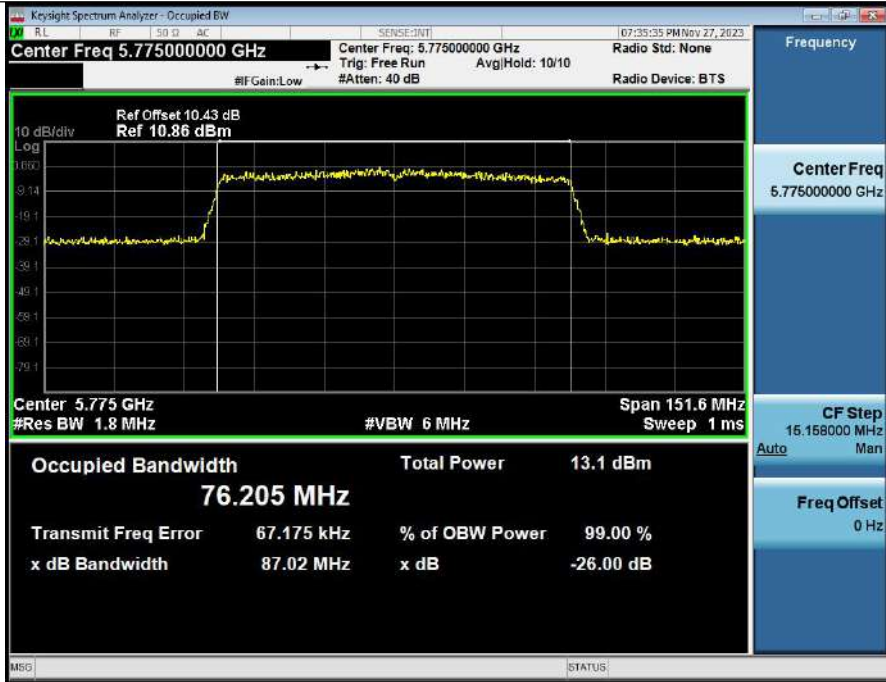
-26BW_NVNT_ANT1_802_11ac(VHT40)_5795



99% OCB_NVNT_ANT1_802_11ac(VHT80)_5775

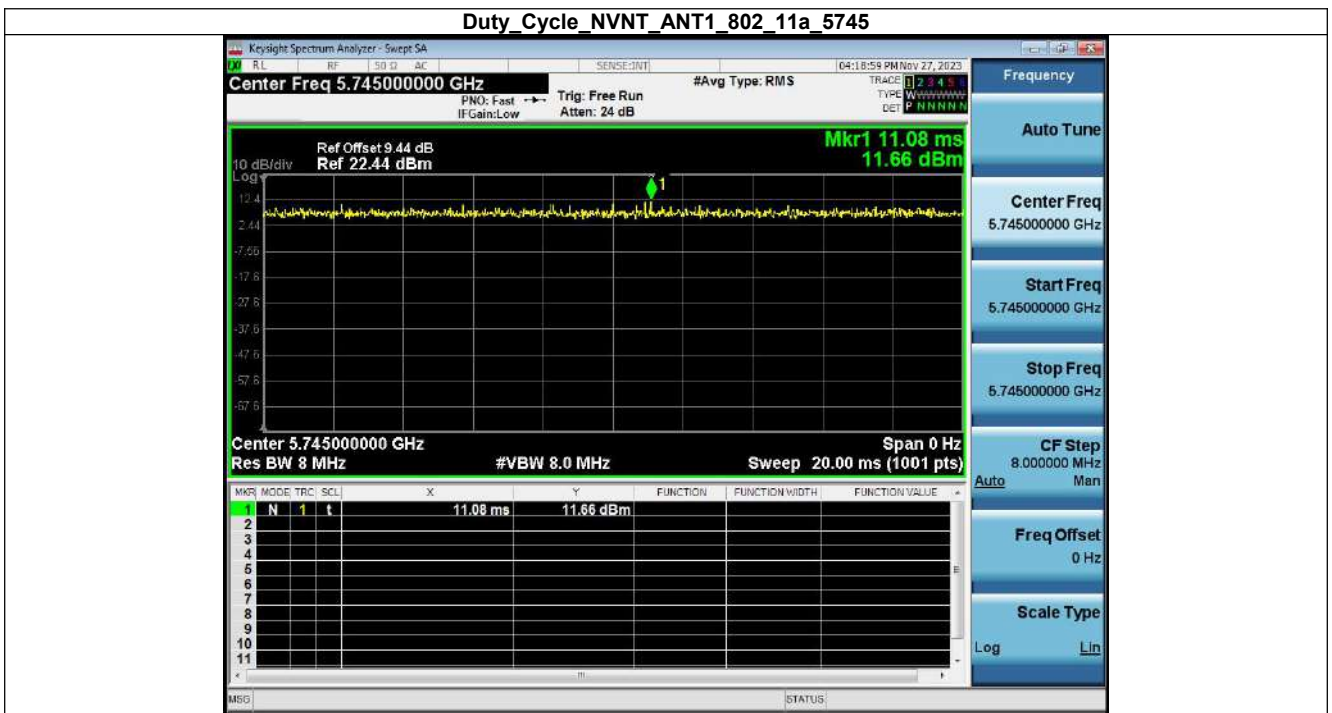


-26BW_NVNT_ANT1_802_11ac(VHT80)_5775



3. Duty Cycle

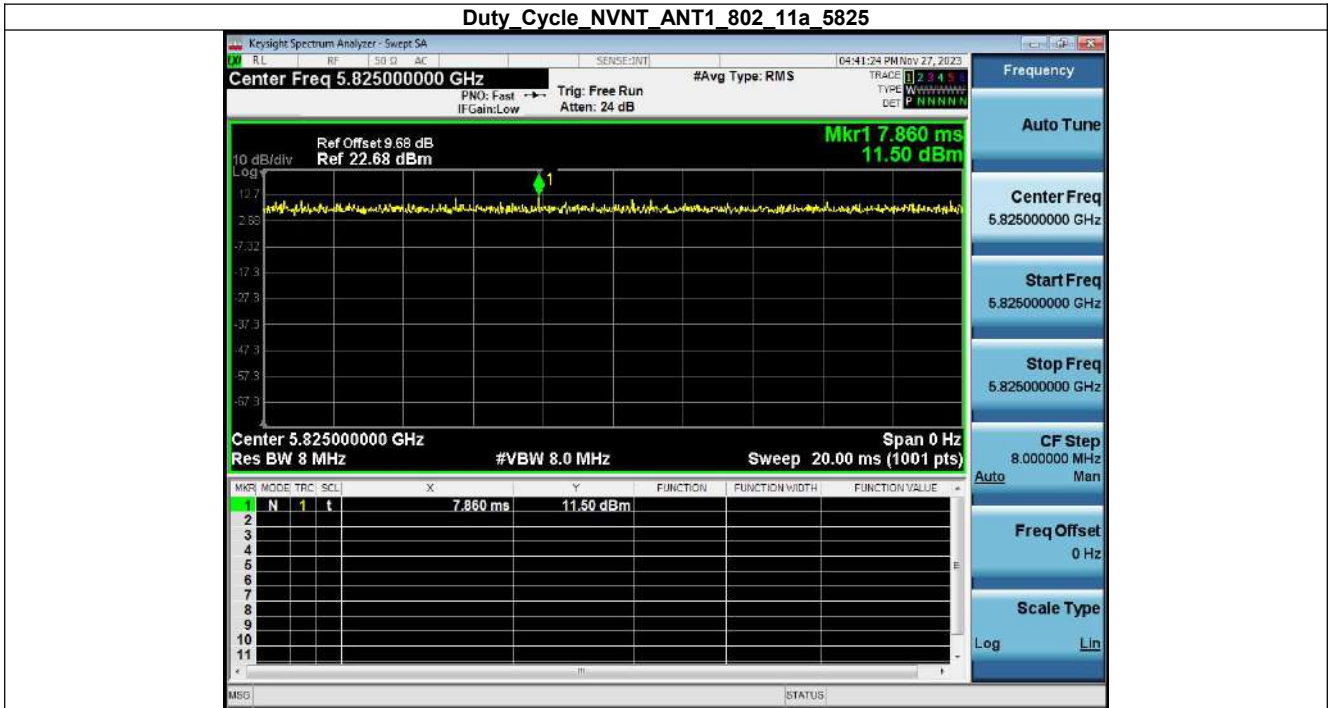
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	100	0.00
NVNT	ANT1	802.11a	5785.00	100	0.00
NVNT	ANT1	802.11a	5825.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5745.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5785.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5825.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5745.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5785.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5825.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5755.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5795.00	100	0.00
NVNT	ANT1	802.11ac(VHT40)	5755.00	100	0.00
NVNT	ANT1	802.11ac(VHT40)	5795.00	100	0.00
NVNT	ANT1	802.11ac(VHT80)	5775.00	100	0.00



Duty Cycle_NVNT_ANT1_802_11a_5785



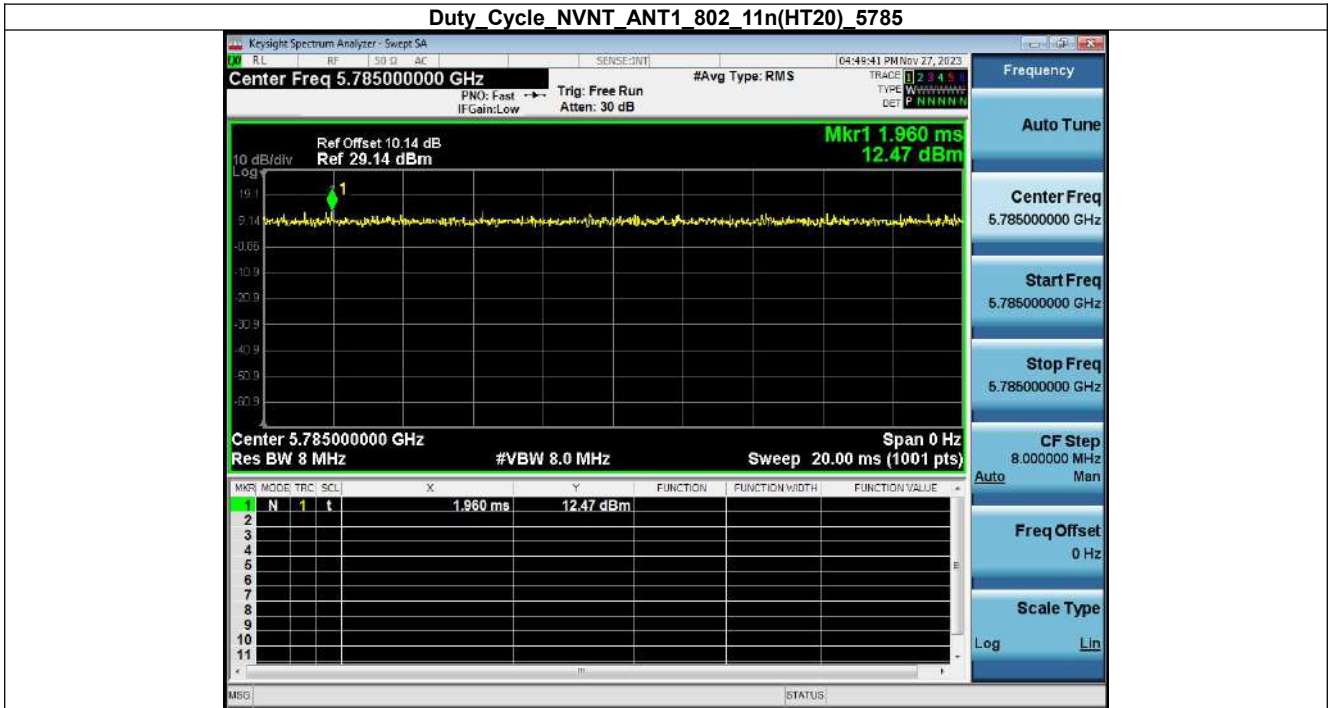
Duty Cycle NVNT ANT1 802_11a_5825



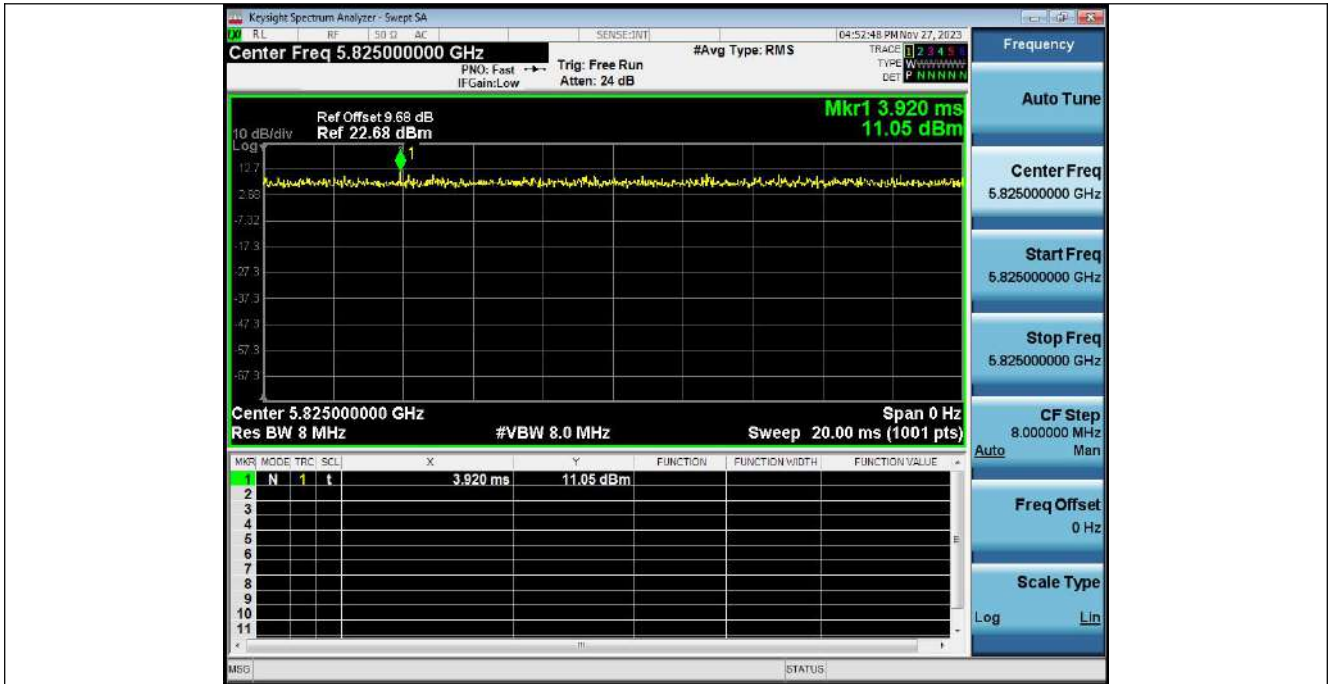
Duty Cycle NVNT ANT1 802_11n(HT20)_5745



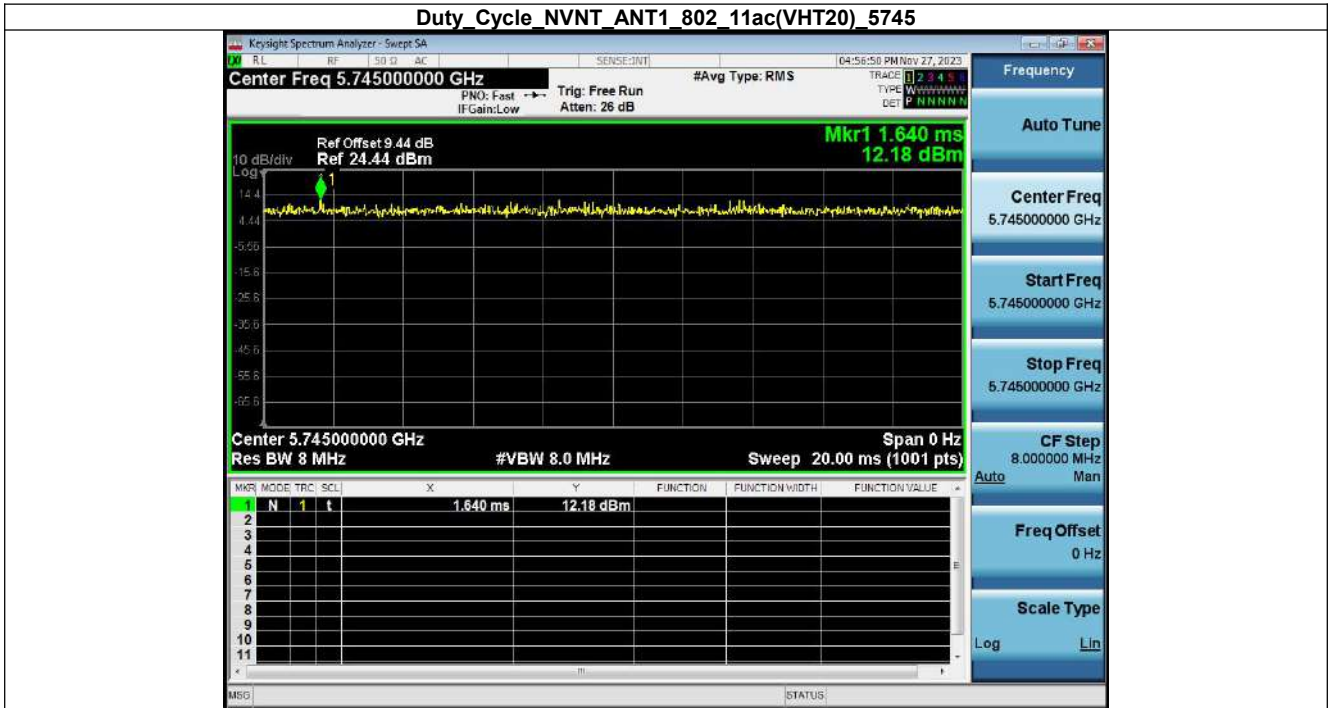
Duty Cycle NVNT_ANT1_802_11n(HT20)_5785



Duty Cycle NVNT_ANT1_802_11n(HT20)_5825



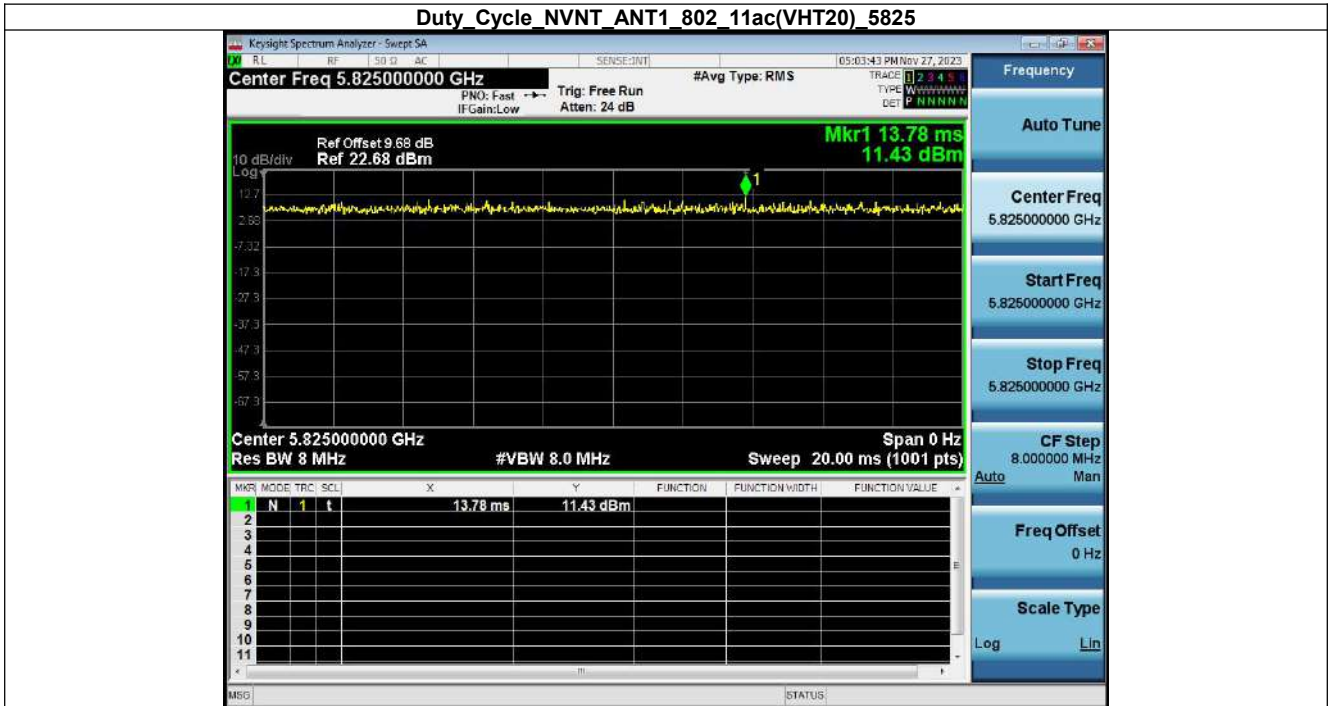
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5745



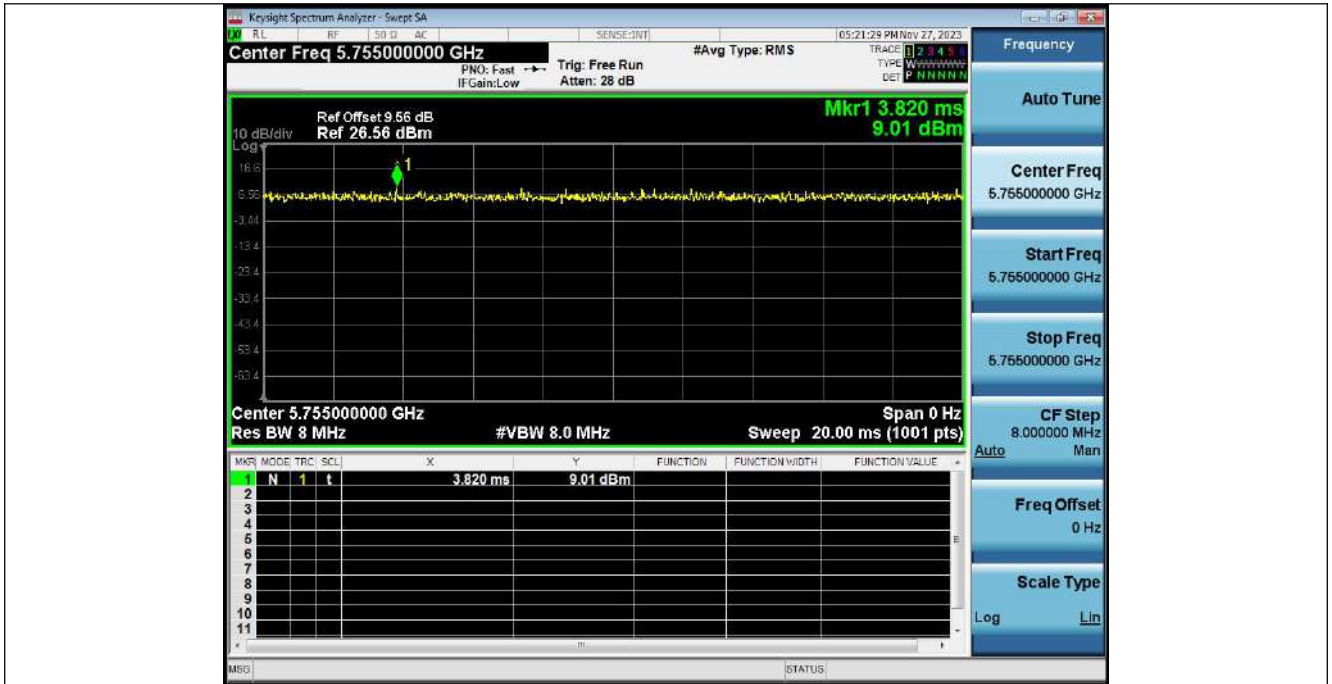
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5785



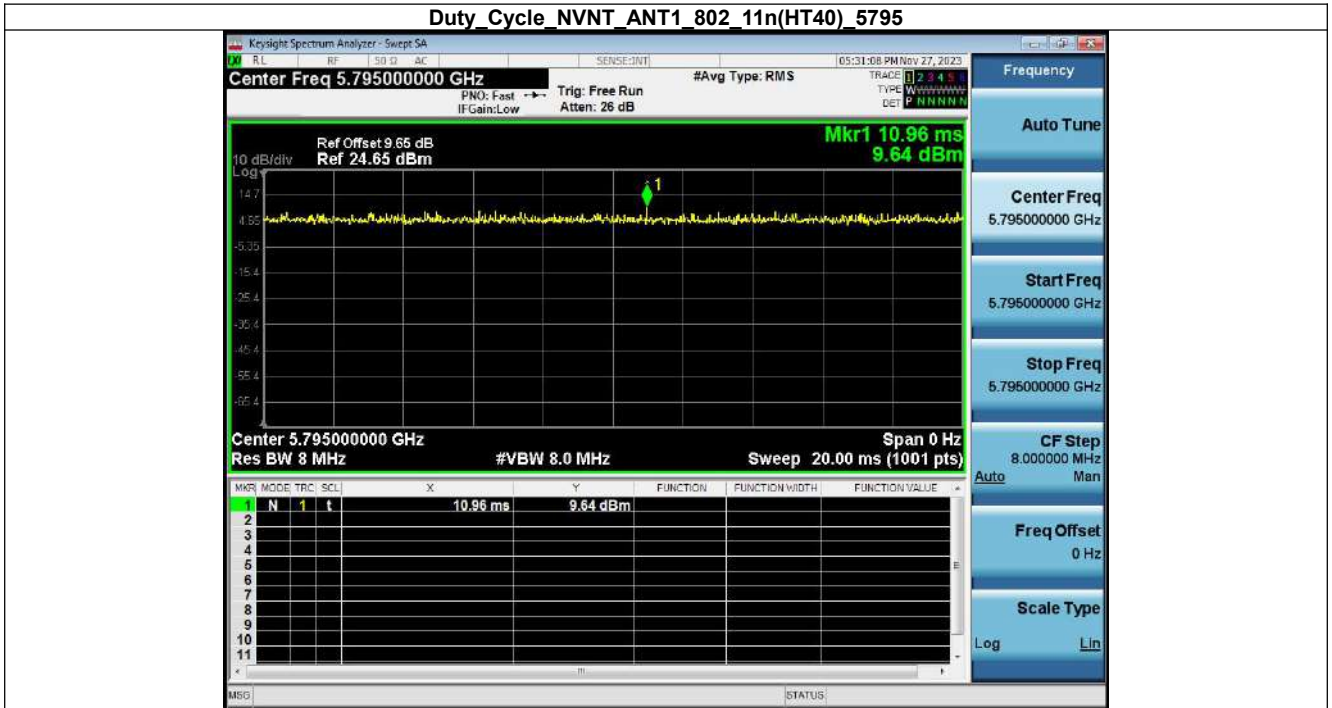
Duty Cycle NVNT ANT1 802_11ac(VHT20) 5825



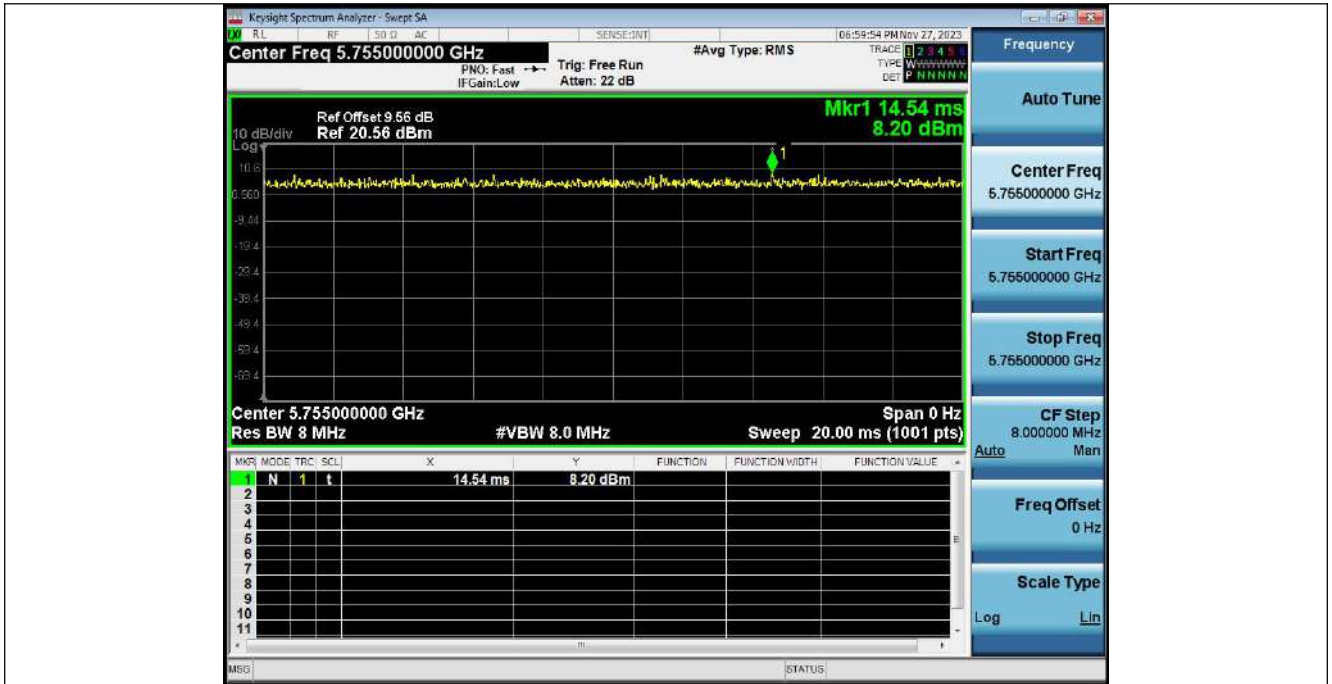
Duty Cycle NVNT ANT1 802_11n(HT40) 5755



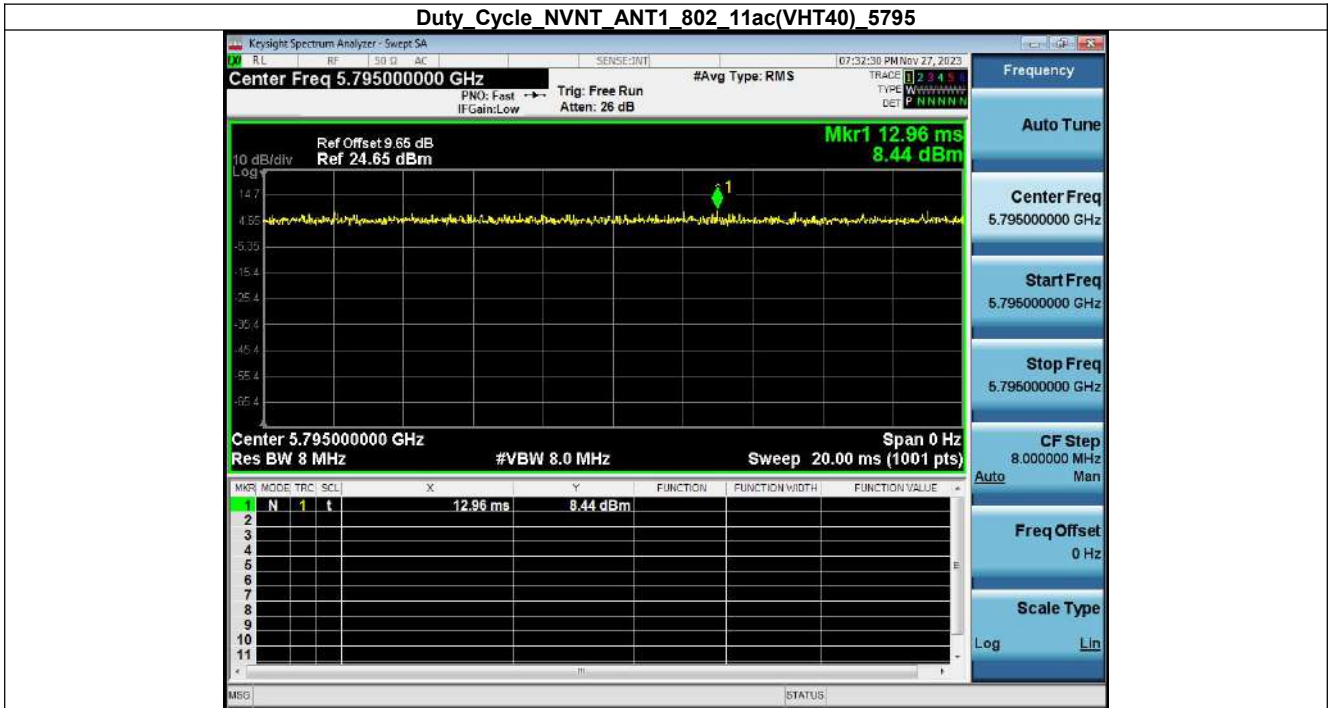
Duty Cycle NVNT_ANT1_802_11n(HT40)_5795



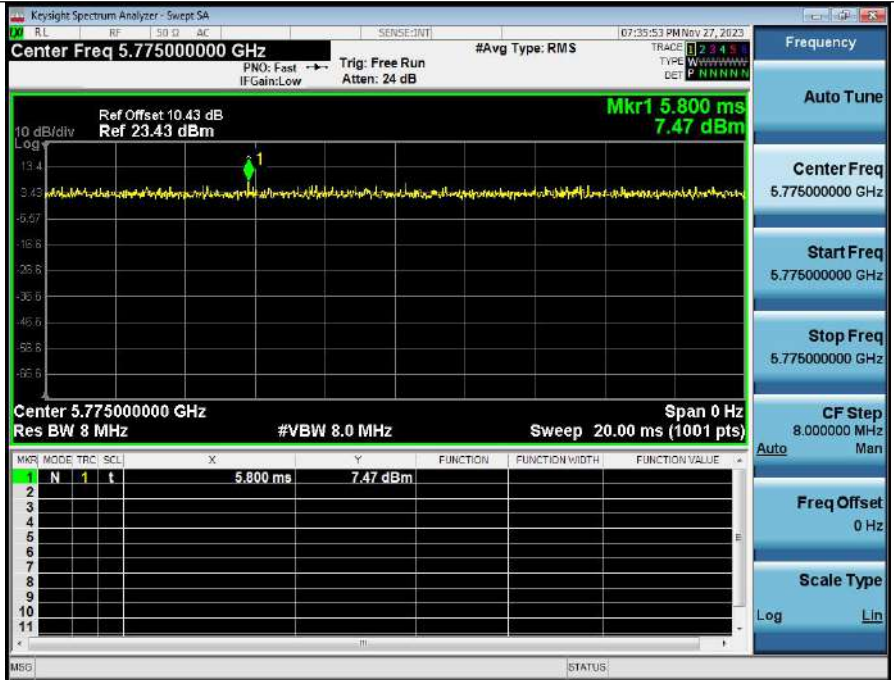
Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5755



Duty Cycle NVNT ANT1_802_11ac(VHT40)_5795

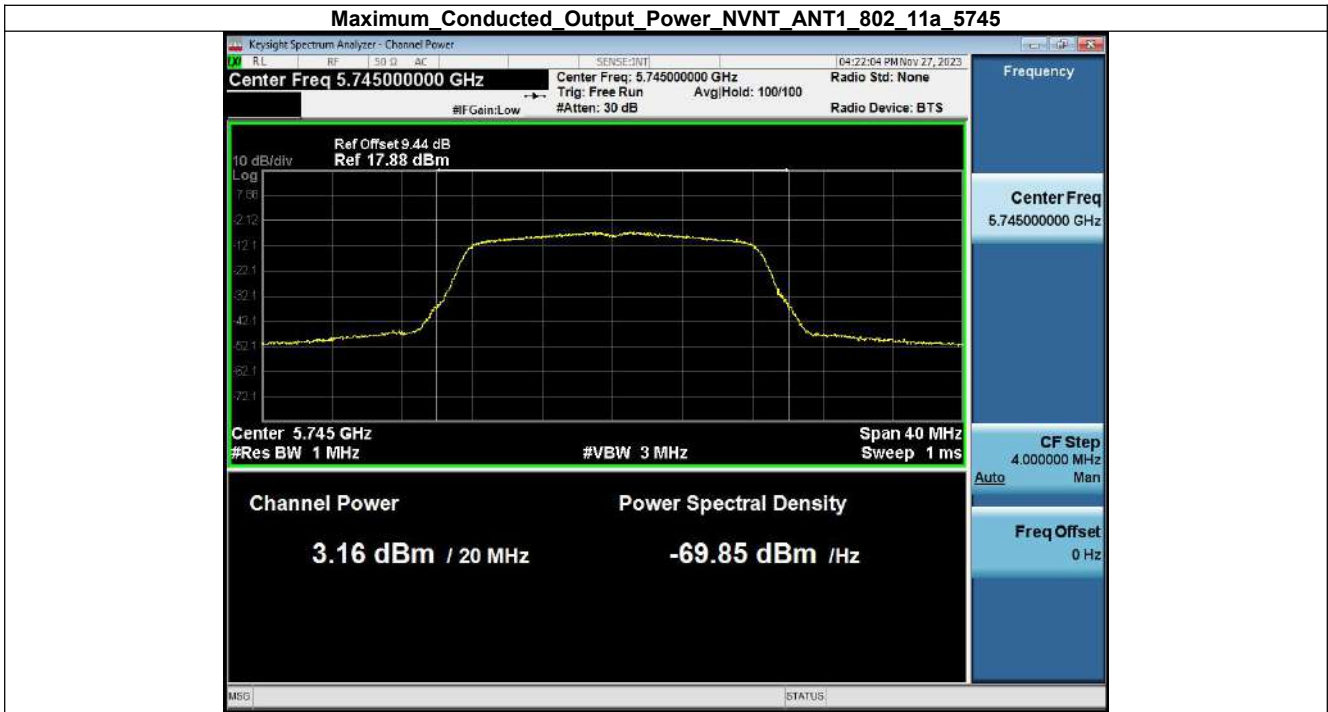


Duty Cycle NVNT ANT1_802_11ac(VHT80)_5775

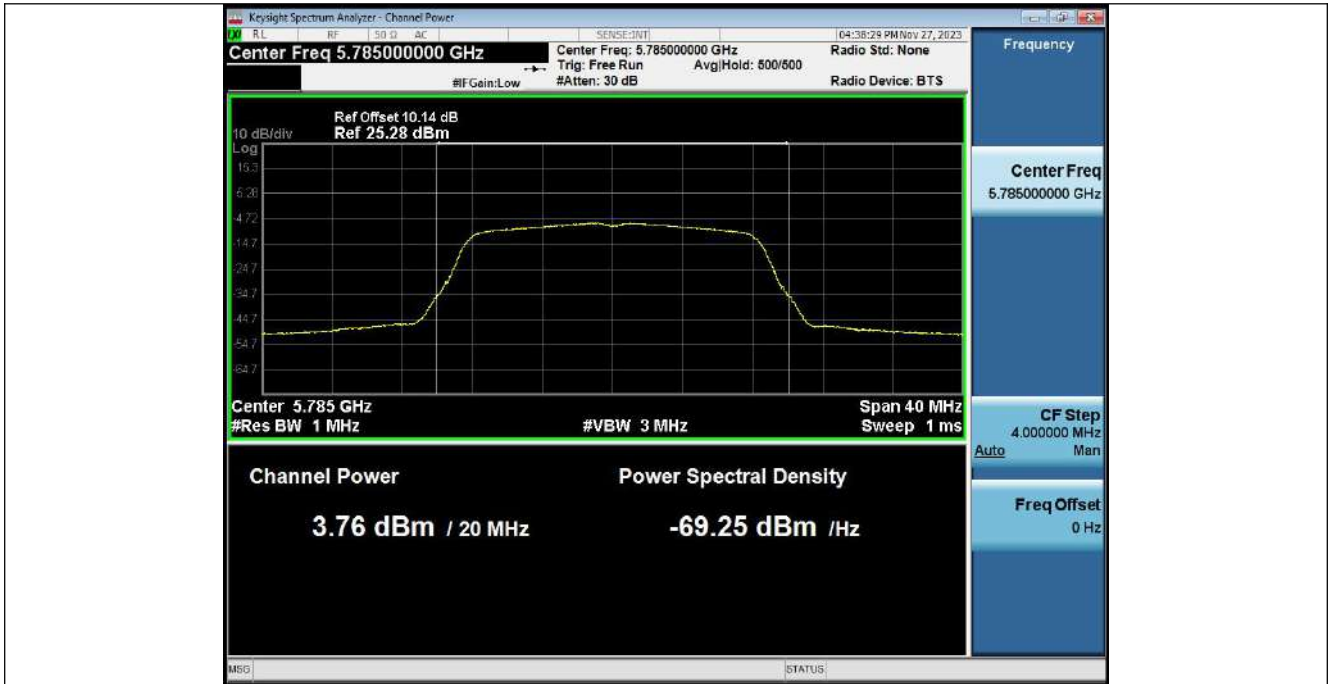


4. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	3.16	0.00	3.16	30	Pass
NVNT	ANT1	802.11a	5785.00	3.76	0.00	3.76	30	Pass
NVNT	ANT1	802.11a	5825.00	2.11	0.00	2.11	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	3.27	0.00	3.27	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	3.94	0.00	3.94	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	2.34	0.00	2.34	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	3.19	0.00	3.19	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	3.96	0.00	3.96	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	2.36	0.00	2.36	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	3.53	0.00	3.53	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	2.92	0.00	2.92	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	2.68	0.00	2.68	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	2.64	0.00	2.64	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	4.46	0.00	4.46	30	Pass



Maximum Conducted Output Power NVNT_ANT1_802_11a_5785



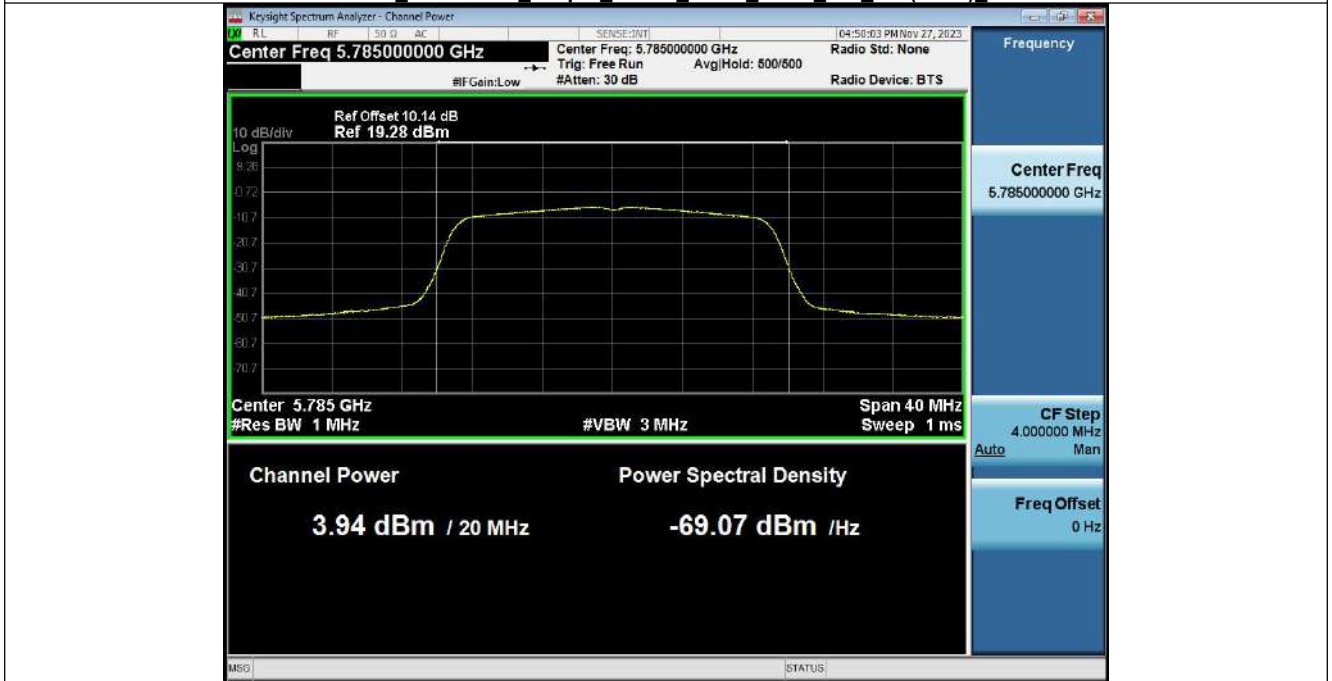
Maximum Conducted Output Power NVNT ANT1 802 11a 5825



Maximum Conducted Output Power NVNT ANT1 802 11n(HT20) 5745



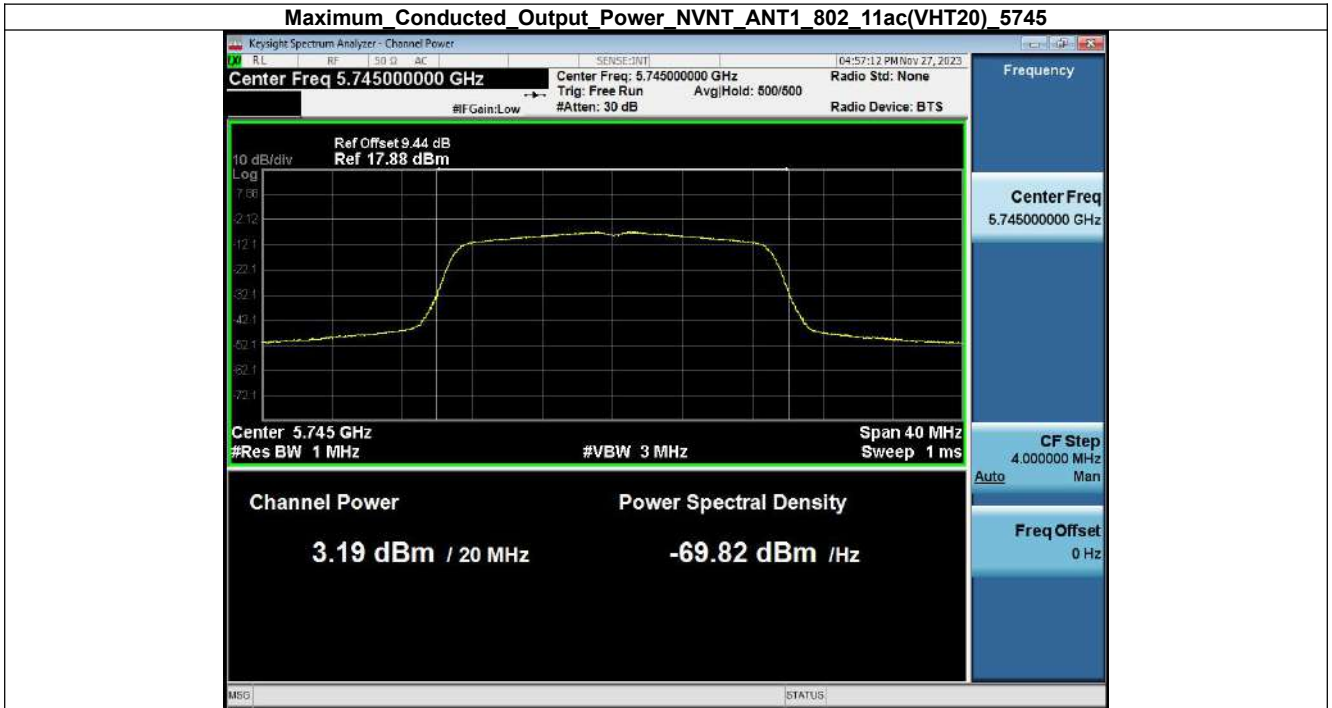
Maximum Conducted Output Power NVNT ANT1 802_11n(HT20) 5785



Maximum Conducted Output Power NVNT ANT1 802_11n(HT20) 5825



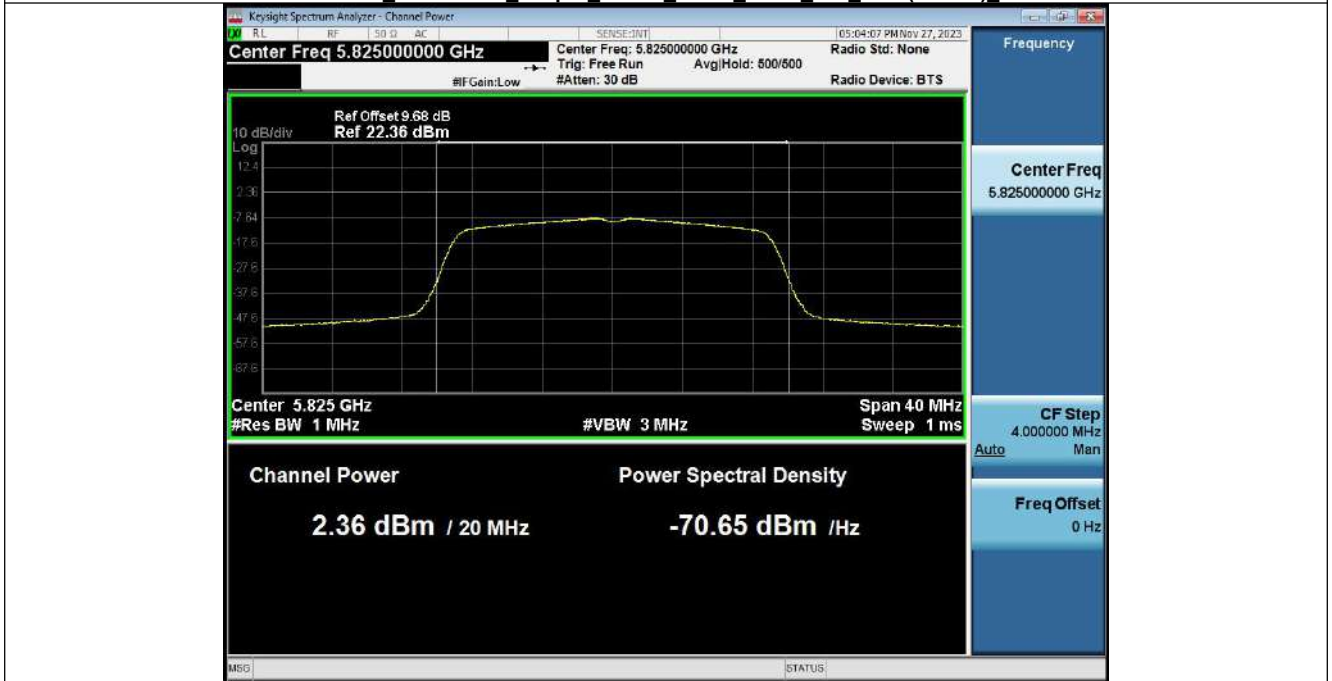
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5745



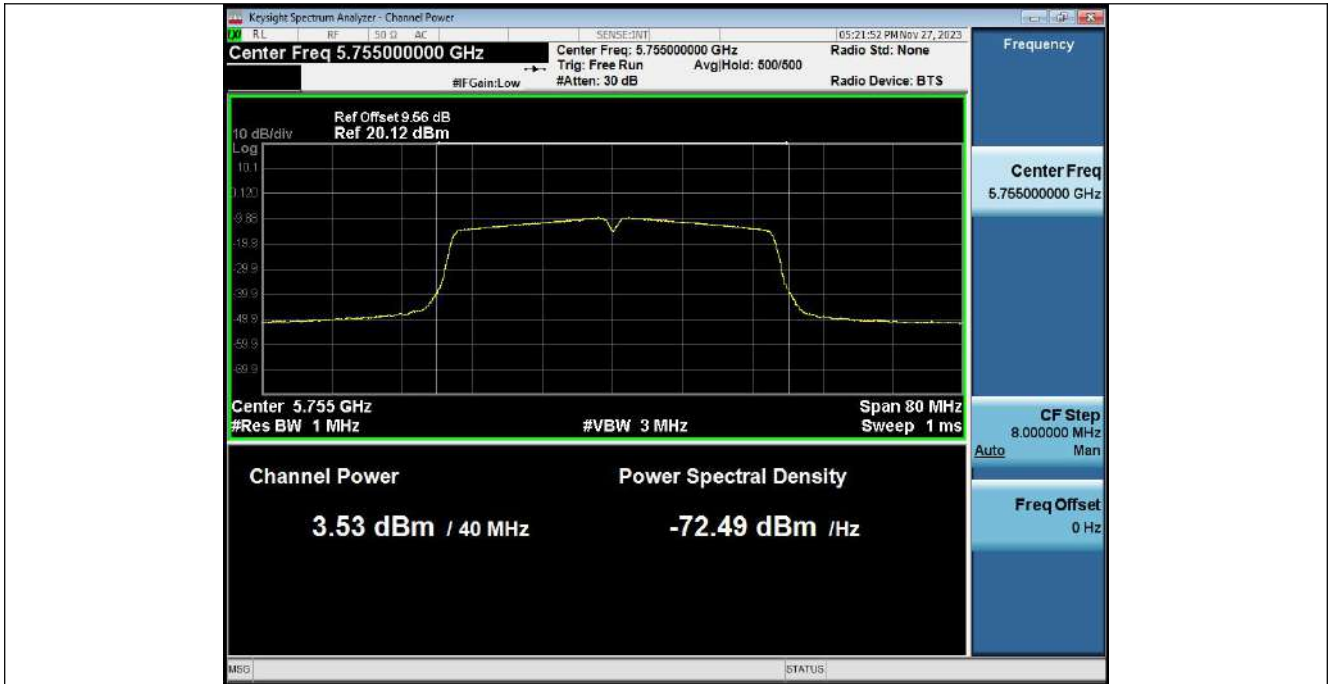
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5785



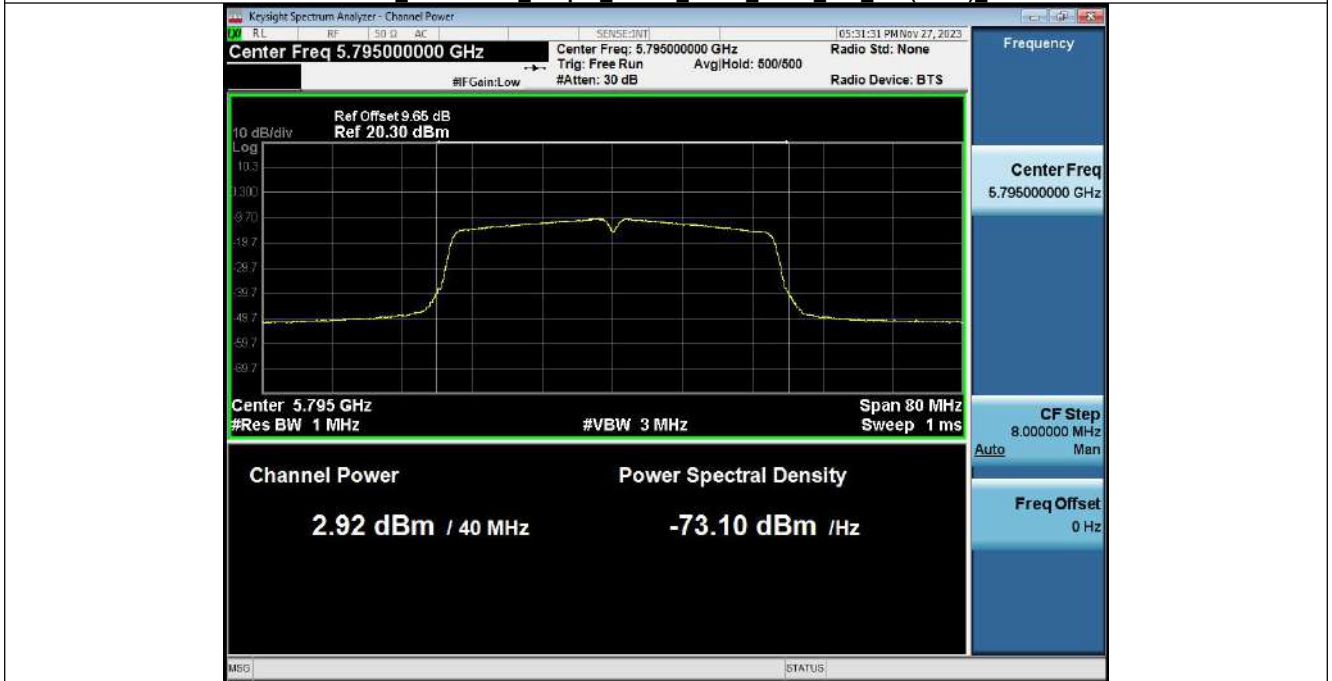
Maximum Conducted Output Power NVNT ANT1_802_11ac(VHT20)_5825



Maximum Conducted Output Power NVNT ANT1_802_11n(HT40)_5755



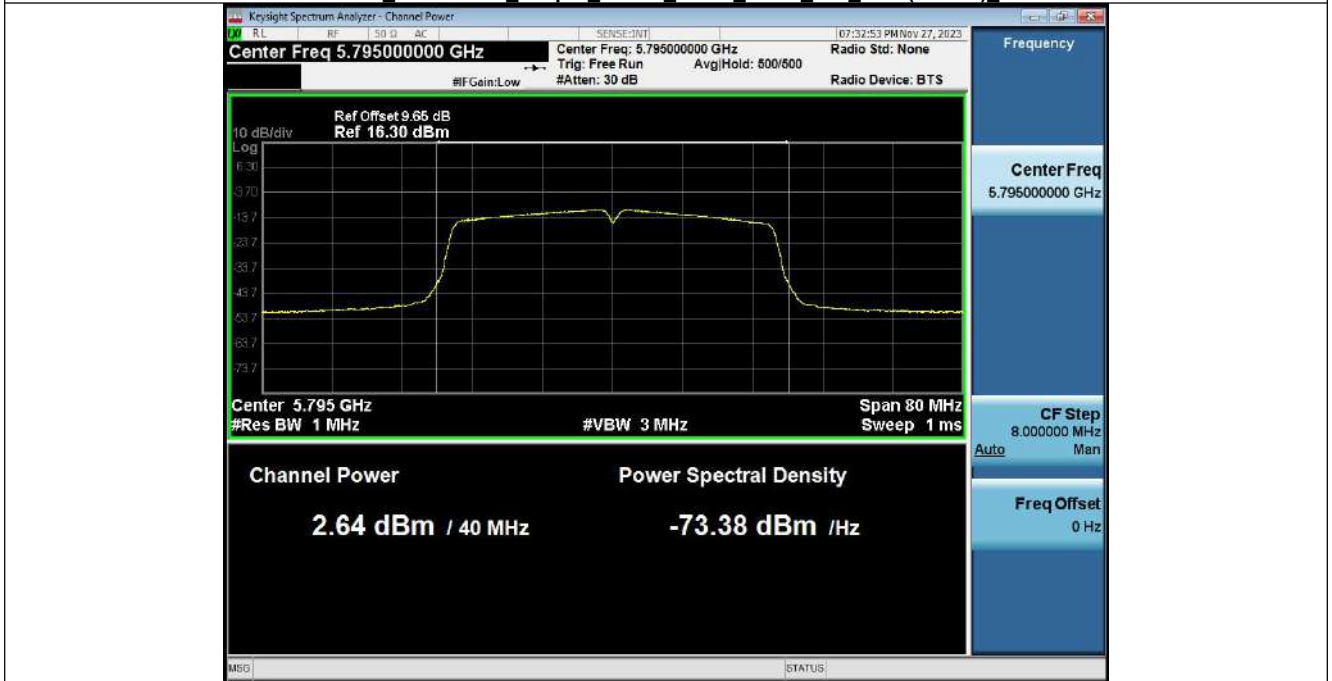
Maximum Conducted Output Power NVNT ANT1 802_11n(HT40)_5795



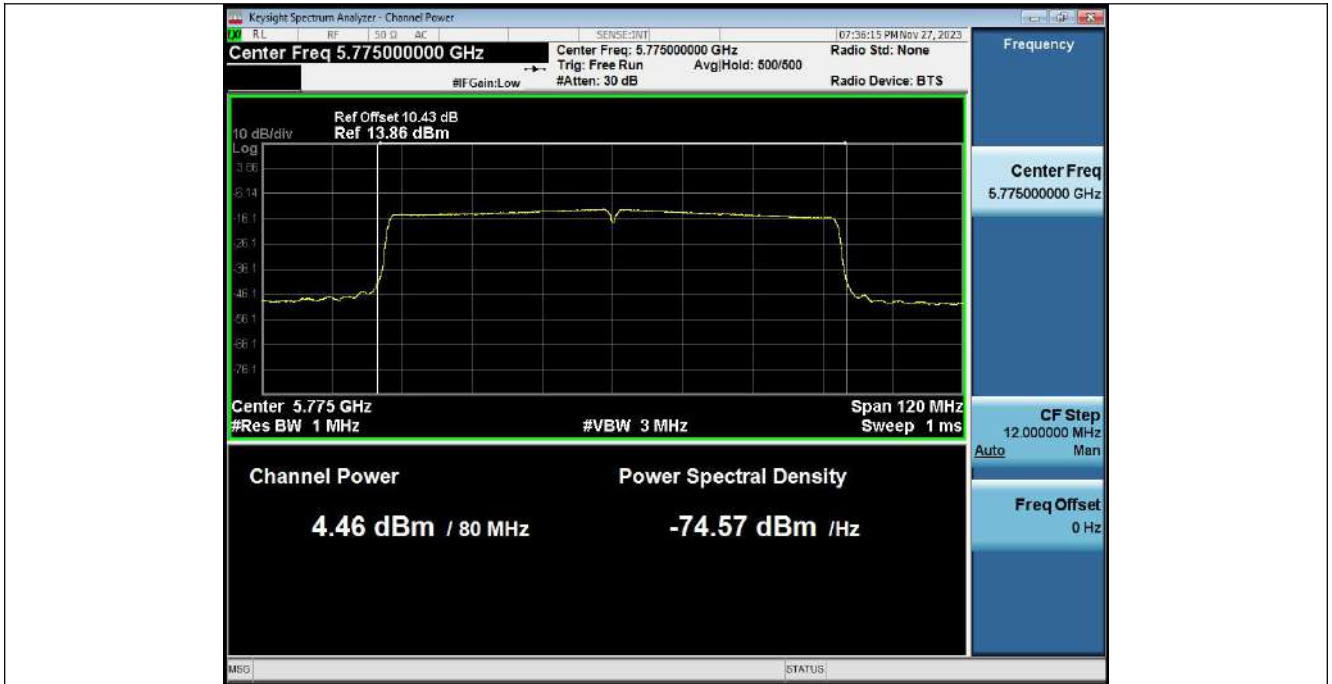
Maximum Conducted Output Power NVNT ANT1 802_11ac(VHT40)_5755



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	-10.90	0.00	-0	-10.99	30	Pass
NVNT	ANT1	802.11a	5785.00	-8.98	0.00	-0	-9.07	30	Pass
NVNT	ANT1	802.11a	5825.00	-10.53	0.00	-0	-10.62	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-9.65	0.00	-0	-9.74	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-8.95	0.00	-0	-9.03	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-10.49	0.00	-0	-10.58	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-9.80	0.00	-0	-9.89	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-8.95	0.00	-0	-9.04	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-10.61	0.00	-0	-10.69	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-12.44	0.00	-0	-12.52	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-12.77	0.00	-0	-12.86	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-13.20	0.00	-0	-13.29	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-12.99	0.00	-0	-13.08	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-15.02	0.00	-0	-15.10	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

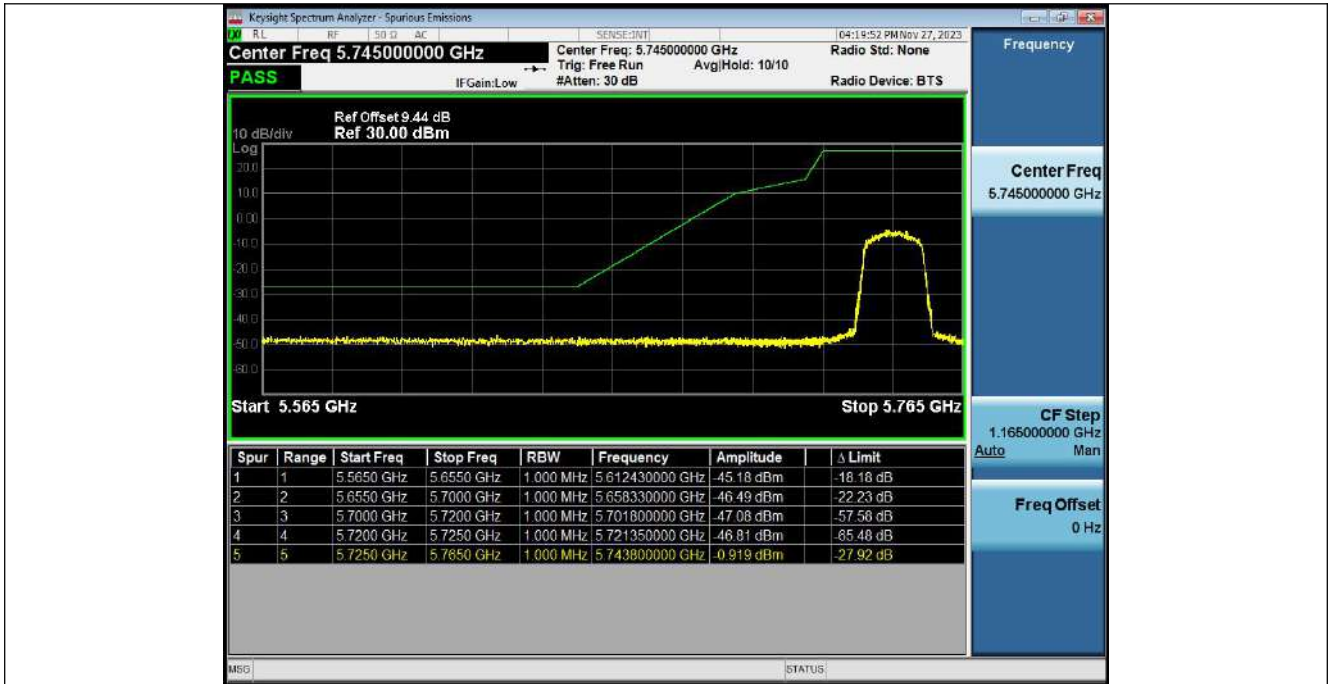


6. Bandedge

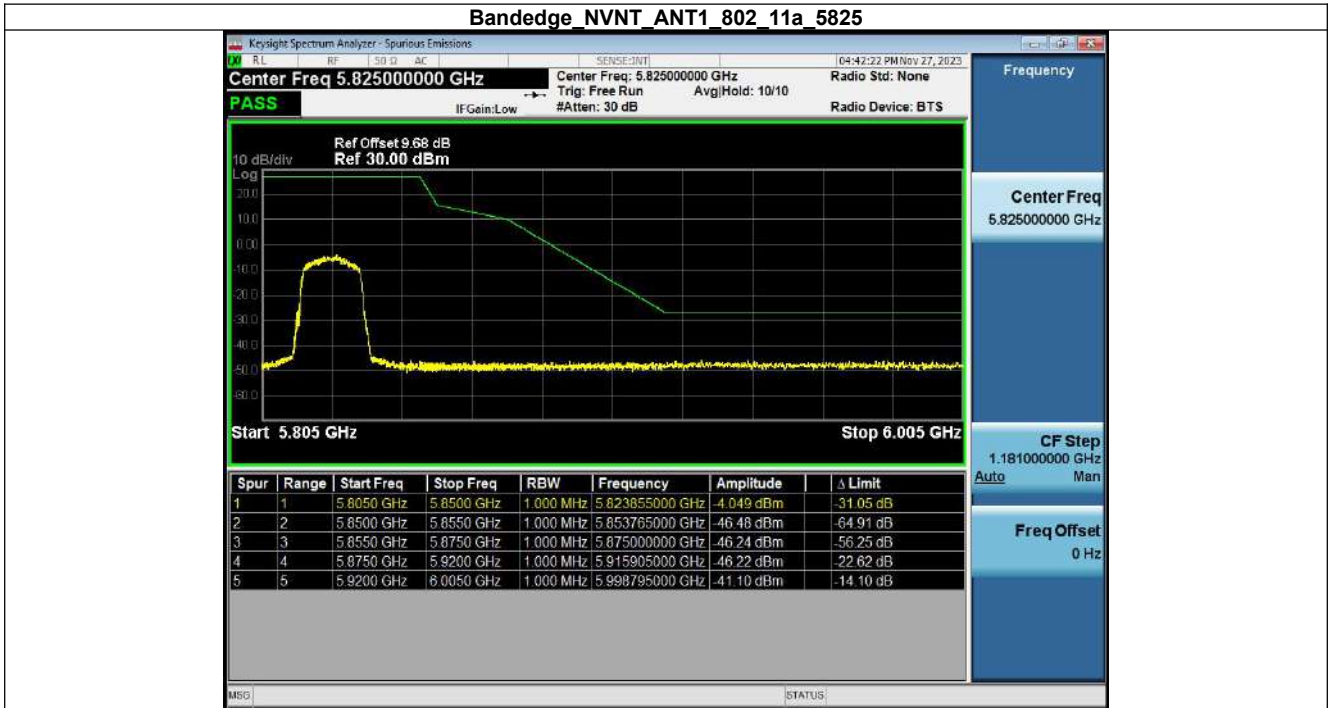
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5612.430	-45.18	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5658.330	-46.49	-24.26	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5701.800	-47.08	10.50	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5721.350	-46.81	18.68	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5853.765	-46.48	18.42	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5875.000	-46.24	10.00	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5915.905	-46.22	-23.63	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5998.795	-41.10	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5583.270	-45.82	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5657.655	-46.74	-24.82	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5709.100	-46.77	12.55	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5720.210	-46.56	16.08	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5854.785	-46.22	16.09	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5873.380	-46.49	10.45	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5917.885	-46.27	-25.26	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5981.965	-40.22	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5577.060	-45.67	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5655.135	-46.53	-26.89	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5703.020	-47.04	10.85	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5721.705	-46.50	19.49	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5854.695	-46.36	16.30	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5874.820	-45.86	10.05	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5918.830	-45.80	-26.04	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5935.555	-41.16	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5634.180	-45.91	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5656.215	-46.59	-26.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5704.820	-46.39	11.35	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5721.080	-45.00	18.06	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.770	-46.69	16.12	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5872.200	-46.29	10.78	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5919.865	-46.04	-26.89	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5925.775	-42.66	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5599.860	-45.76	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5655.180	-46.82	-26.85	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5705.100	-46.28	11.43	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5722.005	-45.66	20.17	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.245	-46.48	17.32	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5873.580	-46.12	10.40	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5919.190	-45.23	-26.33	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5928.470	-40.75	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5652.120	-44.95	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5664.540	-44.86	-19.16	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5714.740	-42.96	14.13	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5721.675	-43.45	19.42	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5854.955	-45.00	15.70	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5873.860	-45.03	10.32	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5914.195	-45.31	-22.23	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5922.005	-40.81	-27.00	Pass

Reamrk: Antenna gain is covered in the test.

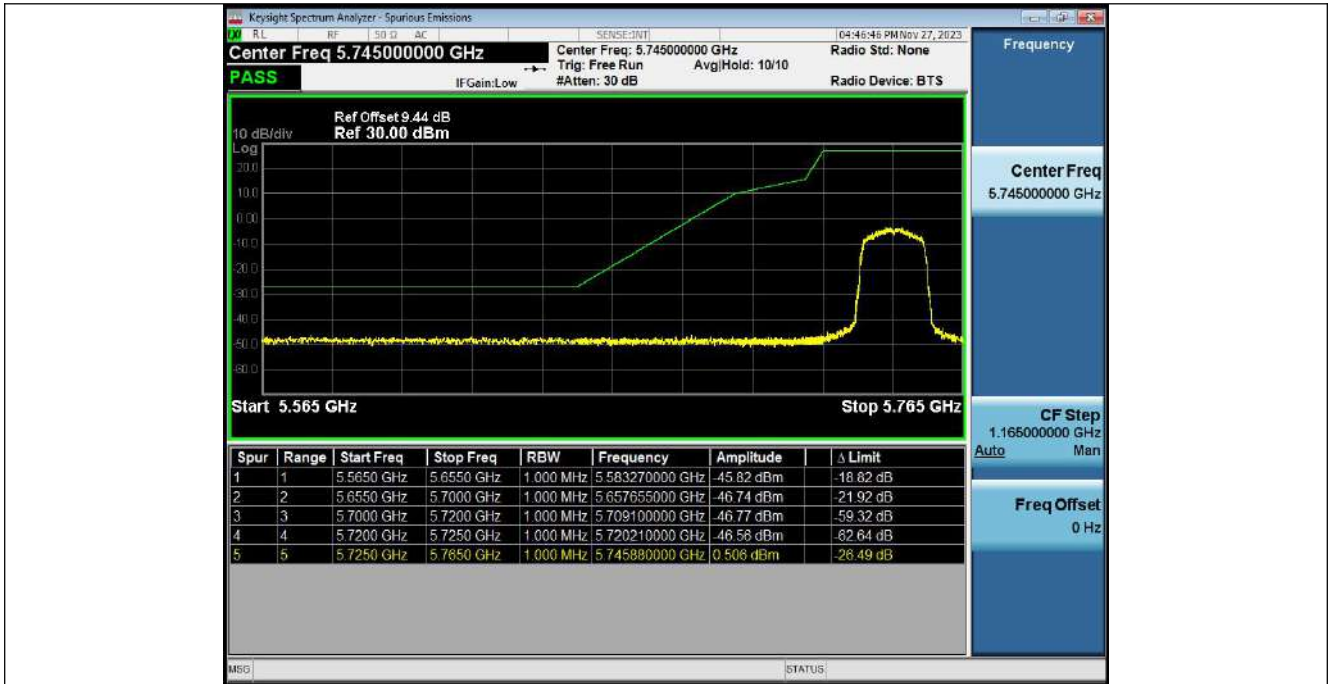
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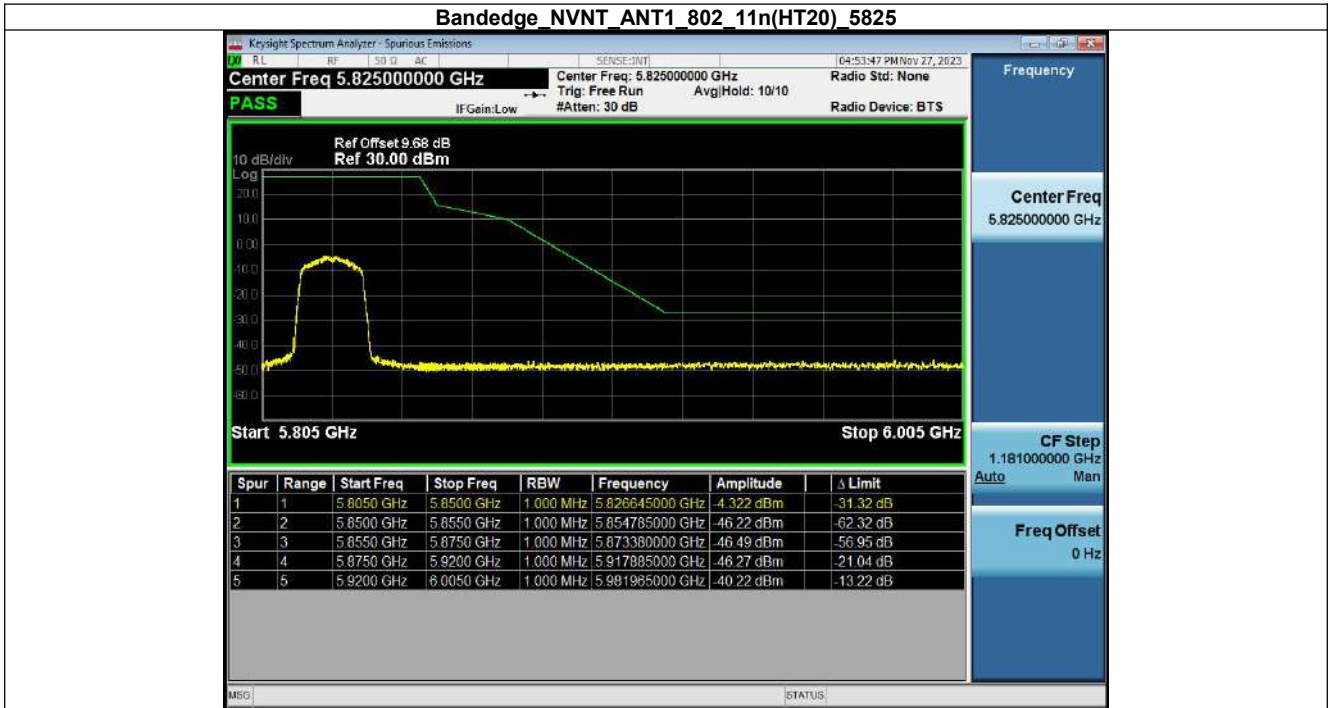
Bandedge_NVNT_ANT1_802_11a_5825



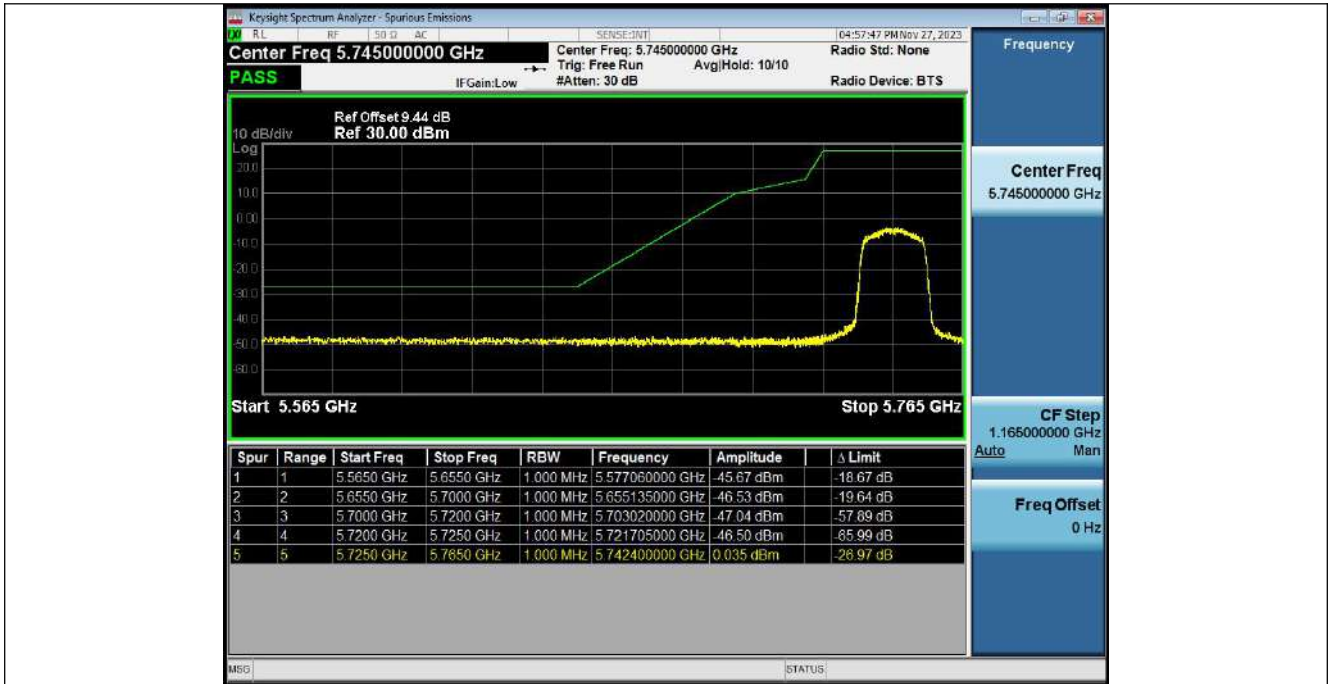
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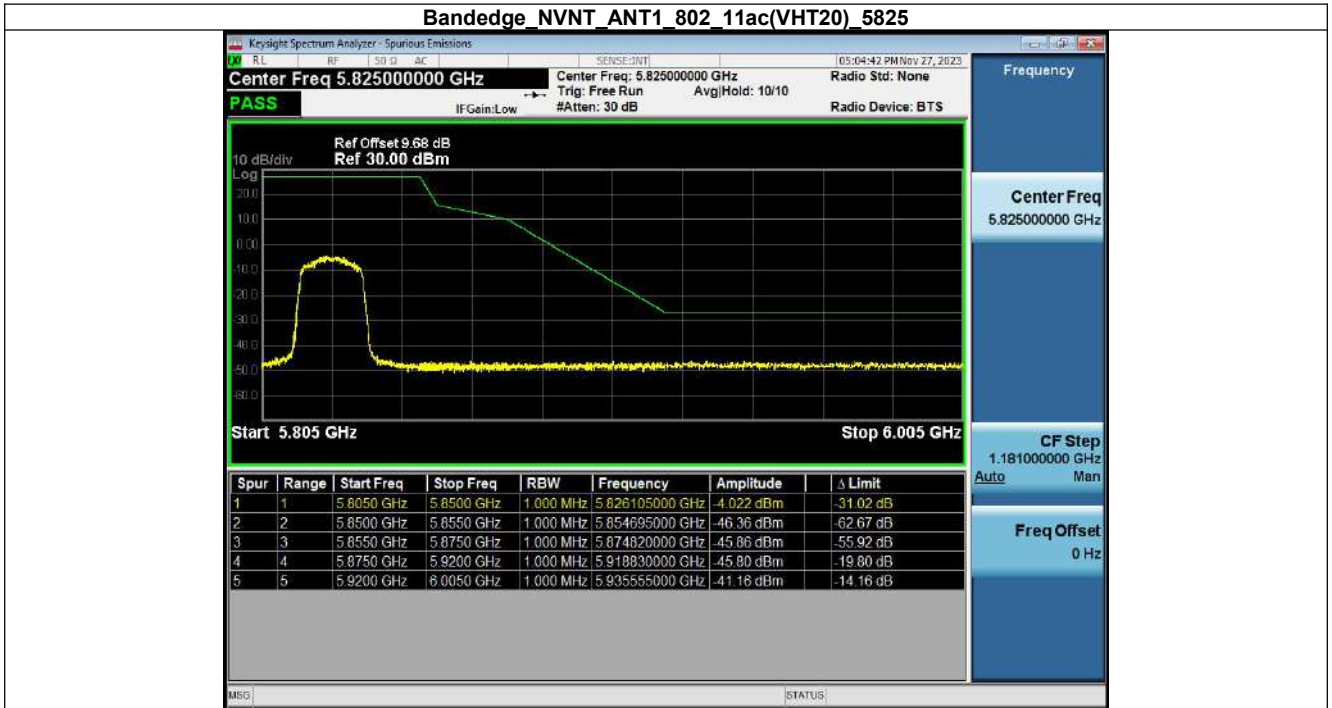
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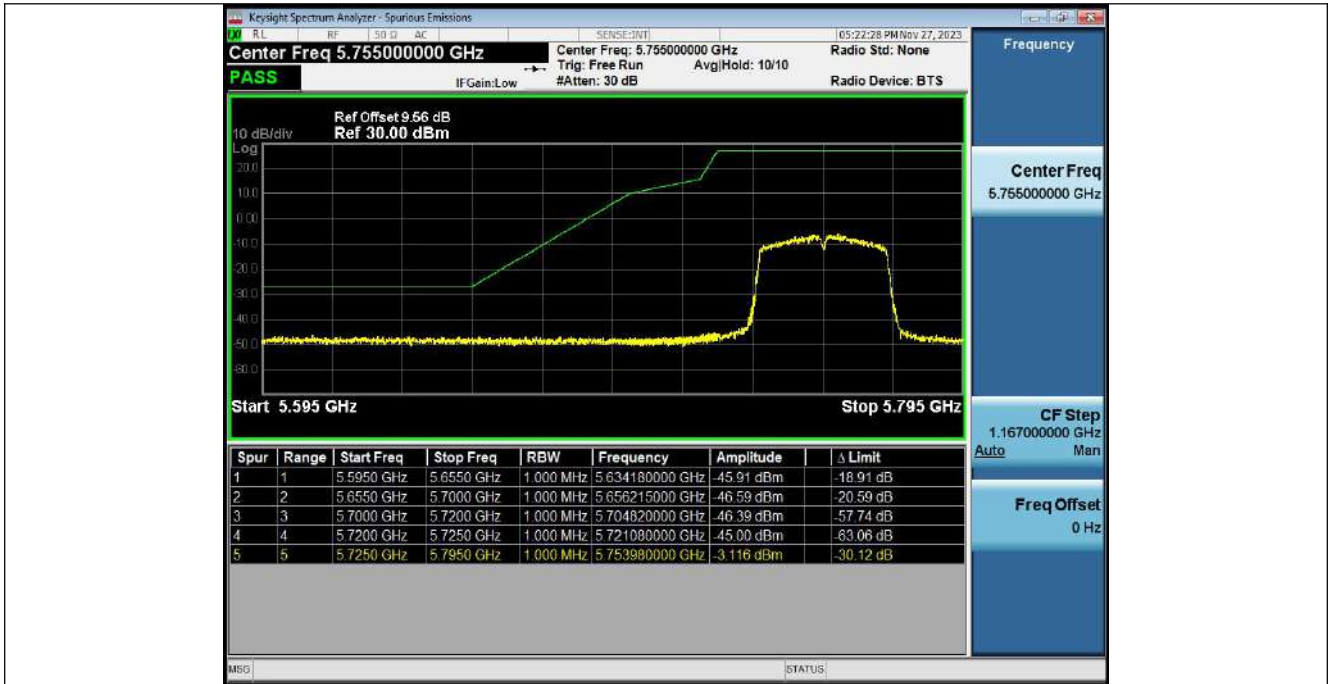
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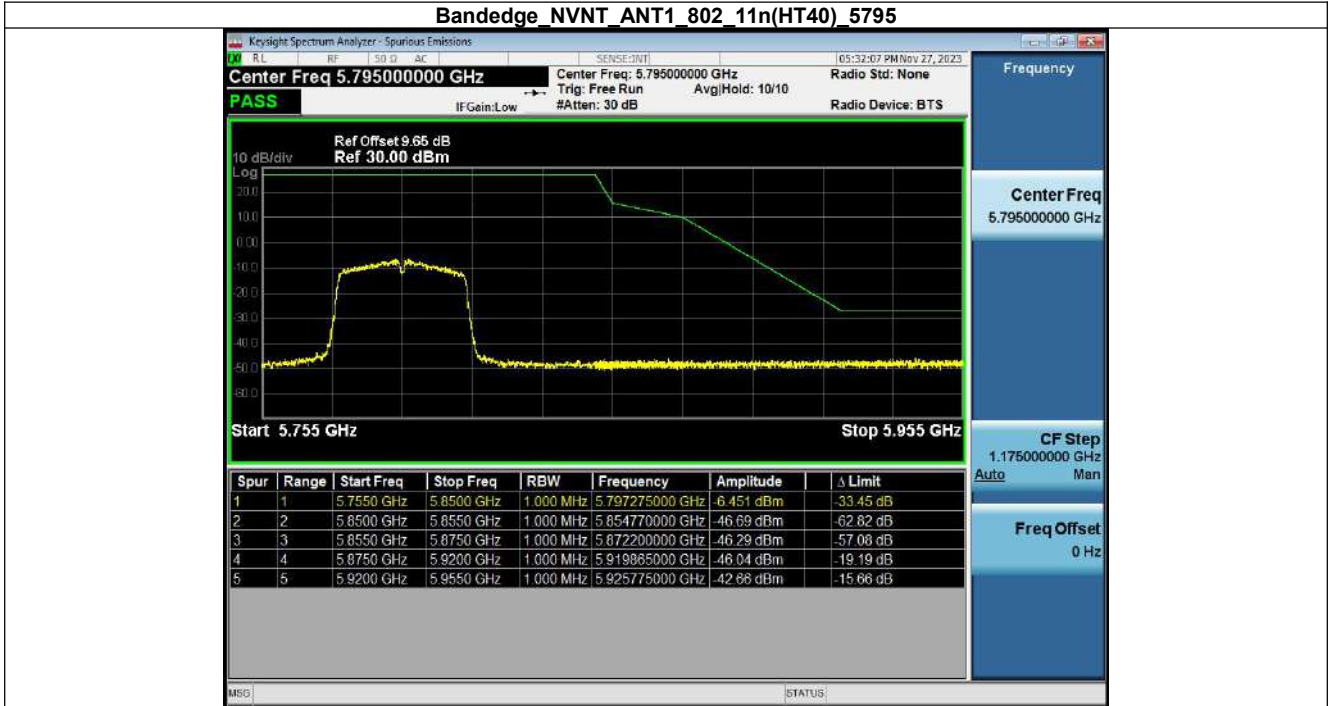
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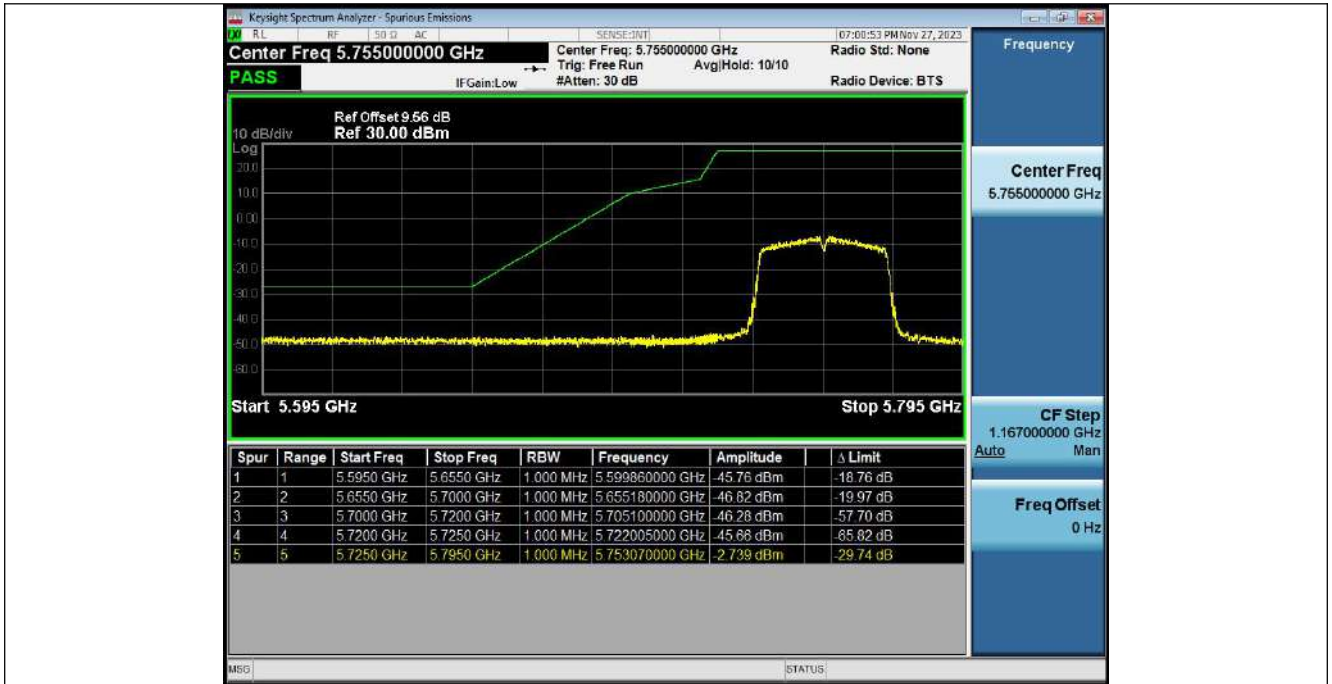
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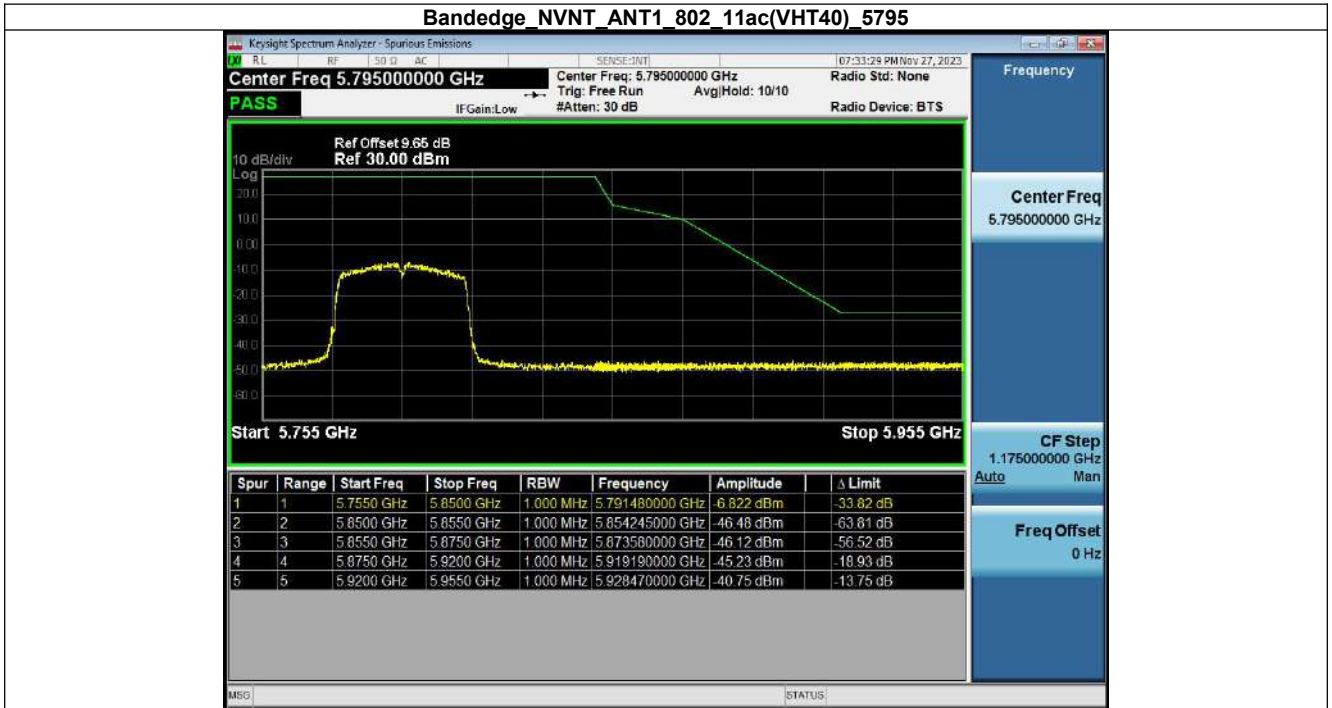
Bandedge_NVNT_ANT1_802_11n(HT40)_5795



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

