



# Report No.: MAX250423110P01-R03

## FCC ID: 2BDTM-M01

### FCC\_5.8G\_WIFI (Part15.407) Test Data

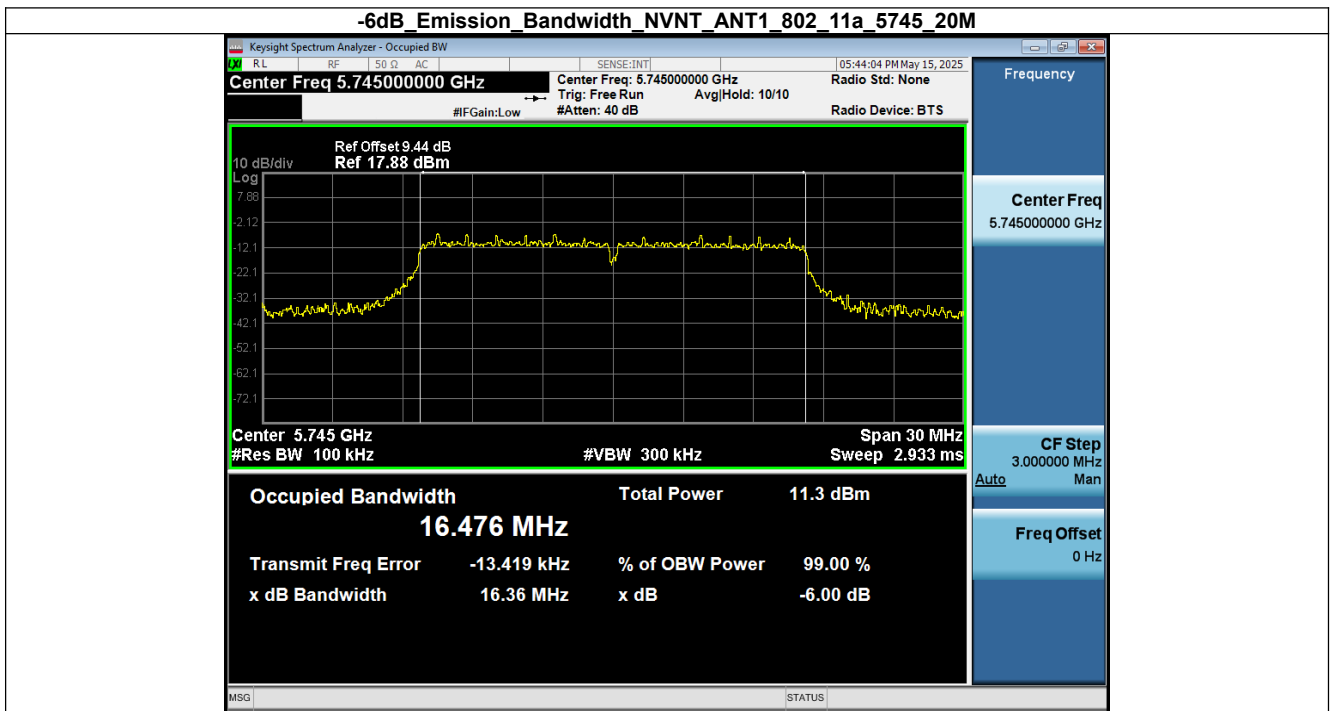
#### Table of Contents

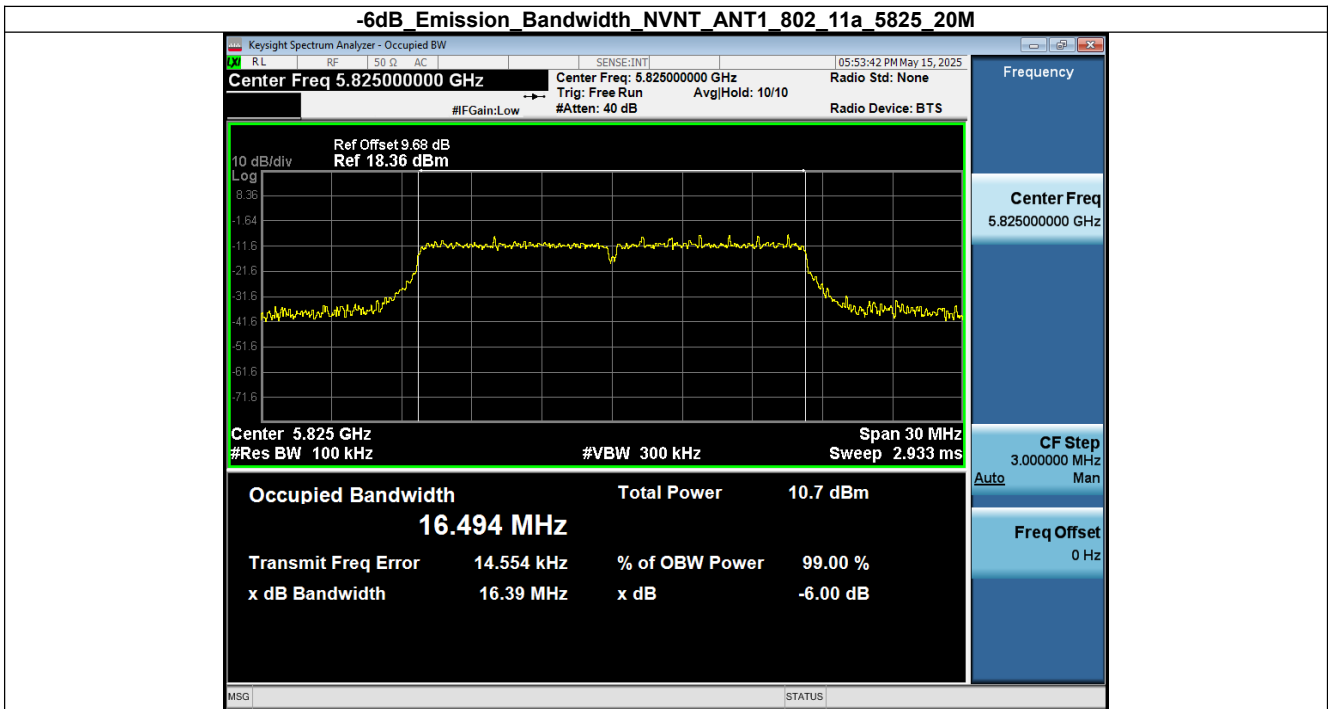
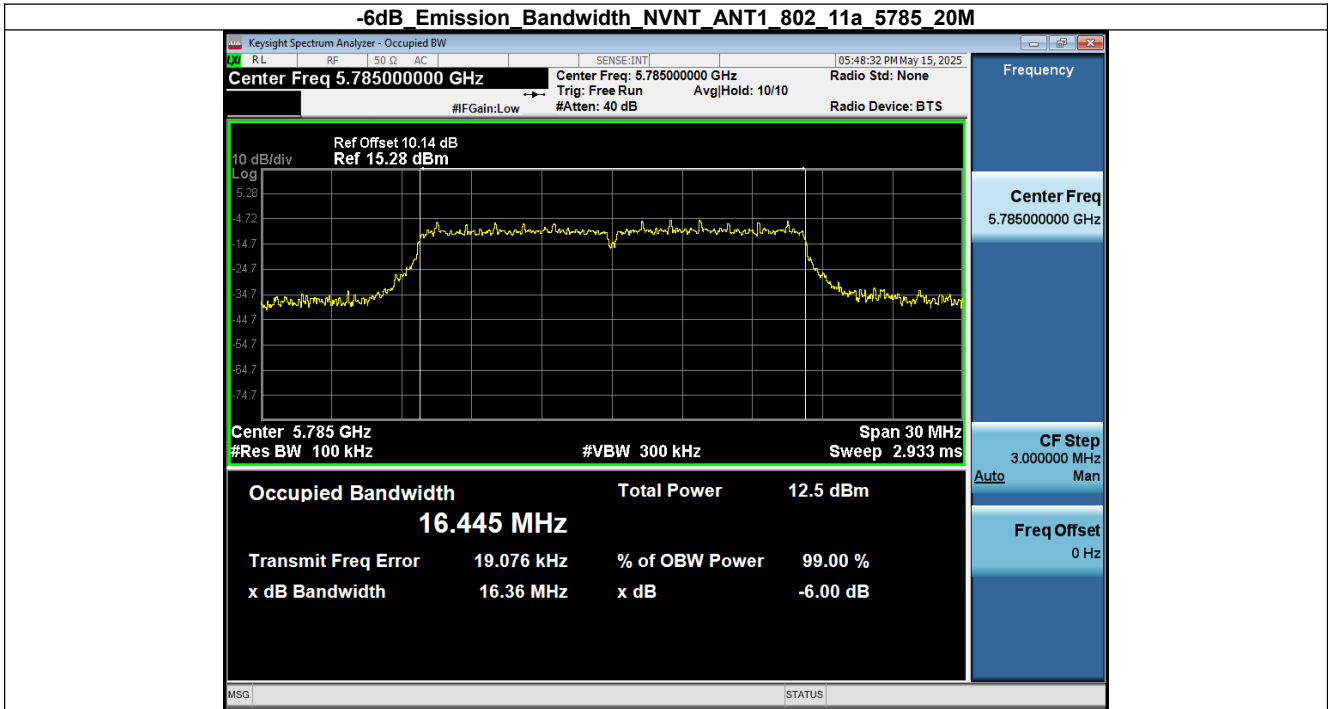
1. -6dB Emission Bandwidth .....	2
2. -26dB and 99% Emission Bandwidth .....	10
3. Duty Cycle .....	18
4. Maximum Conducted Output Power .....	26
5. Power Spectral Density .....	34
6. Bandedge .....	42
7. Spurious Emission .....	49
8. Frequency Stability .....	57



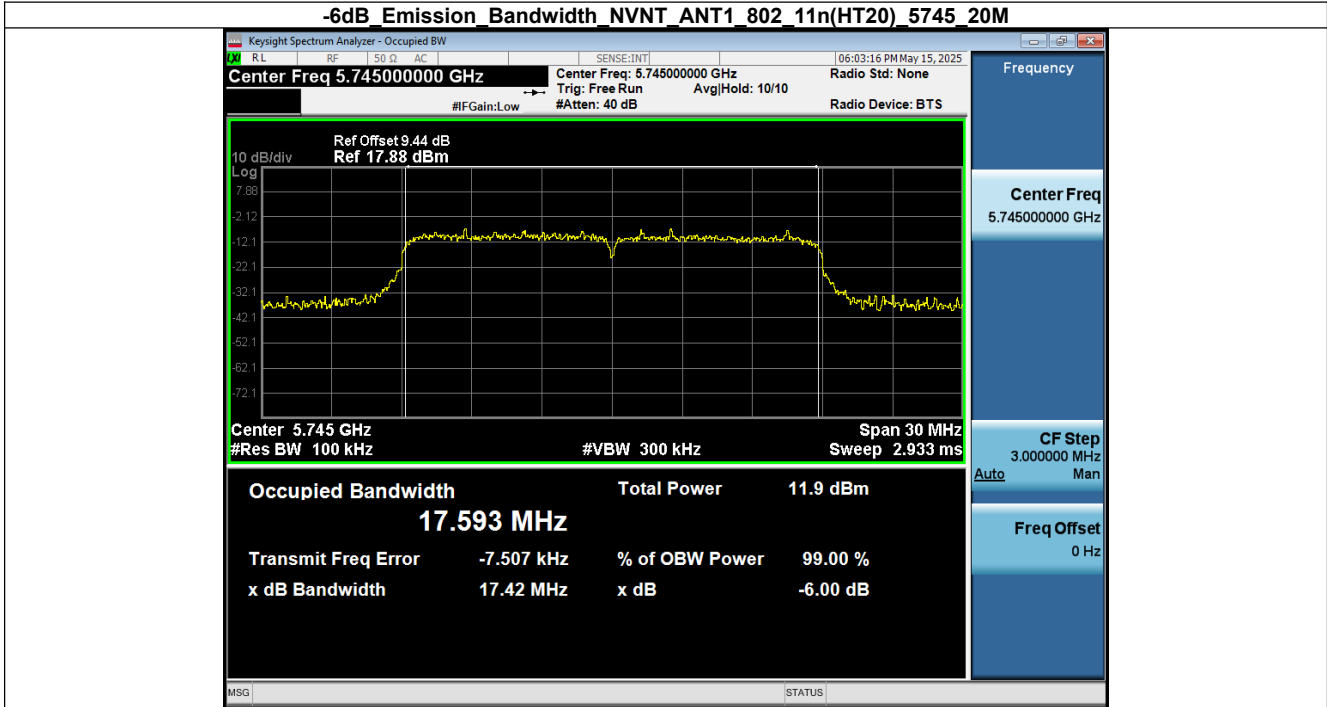
### 1. -6dB Emission Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.364	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.360	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.393	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.422	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	17.421	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	17.427	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	17.435	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	17.438	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	17.458	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.982	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.312	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	36.196	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	35.312	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	75.340	0.500	Pass





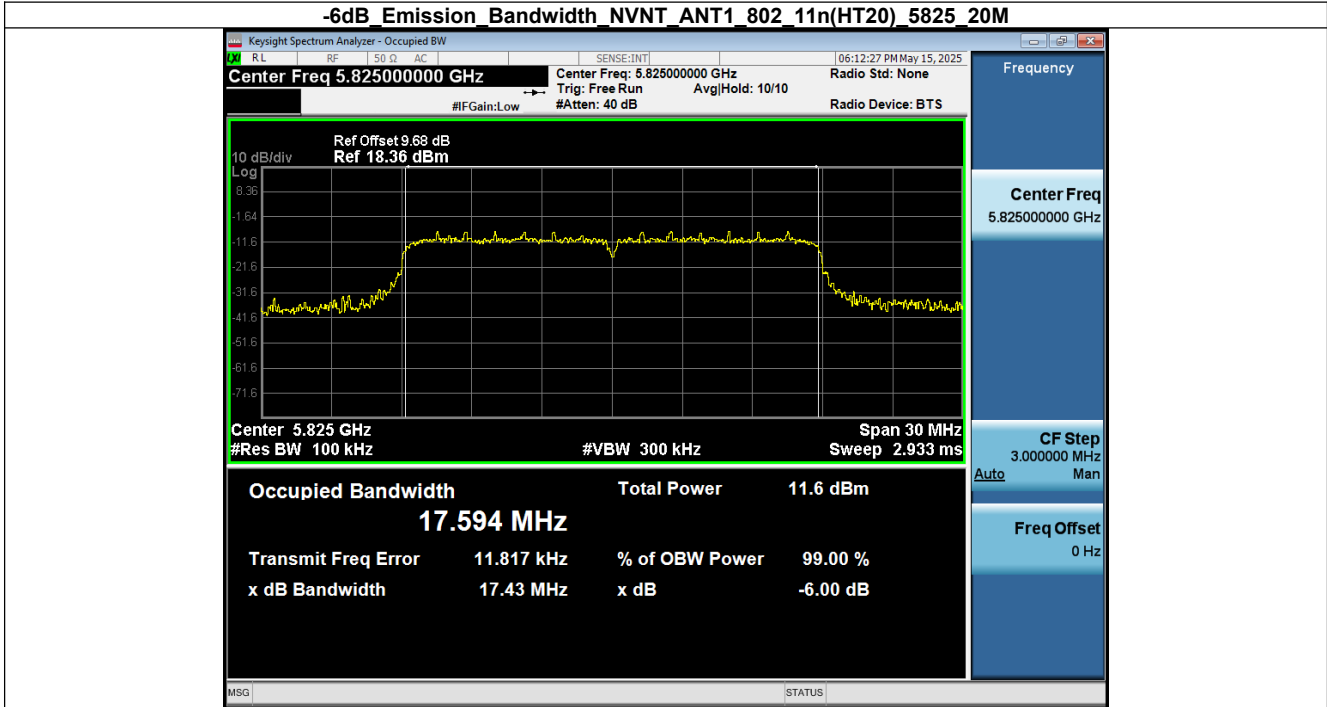
**-6dB Emission Bandwidth NVNT ANT1 802 11n(HT20) 5745 20M**



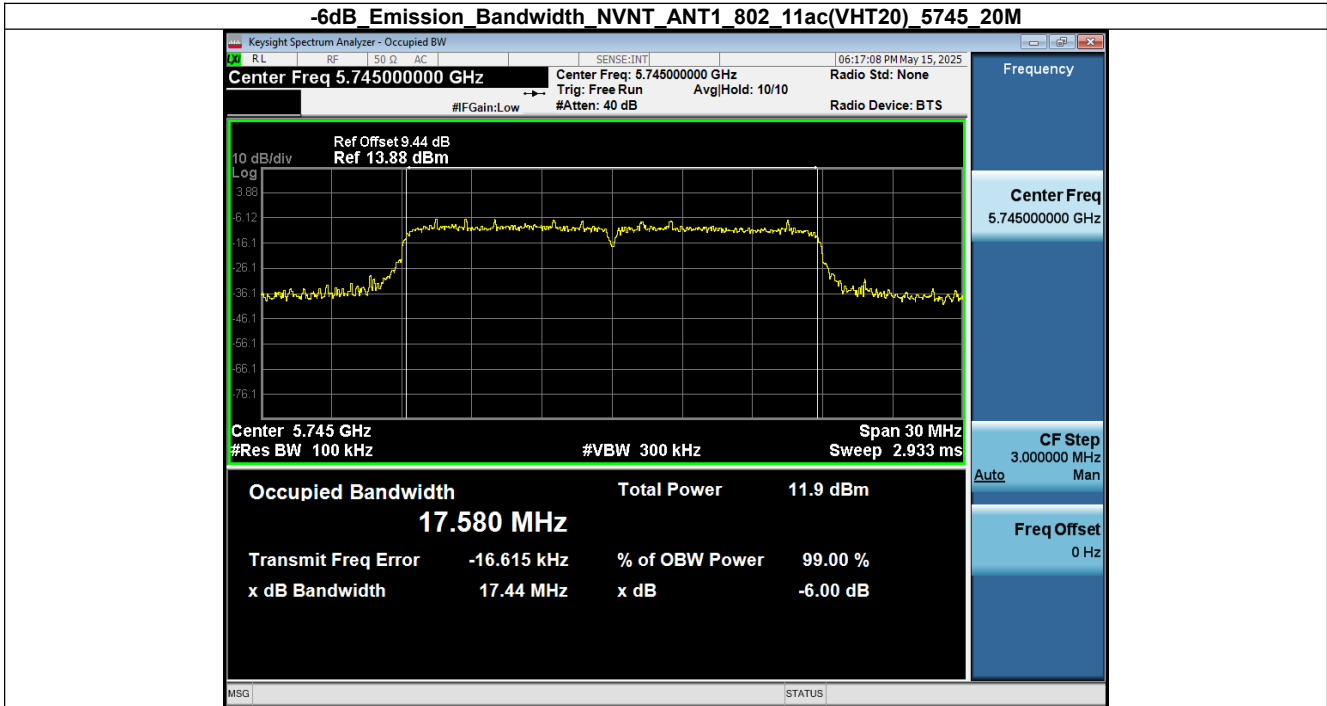
**-6dB Emission Bandwidth NVNT ANT1 802 11n(HT20) 5785 20M**



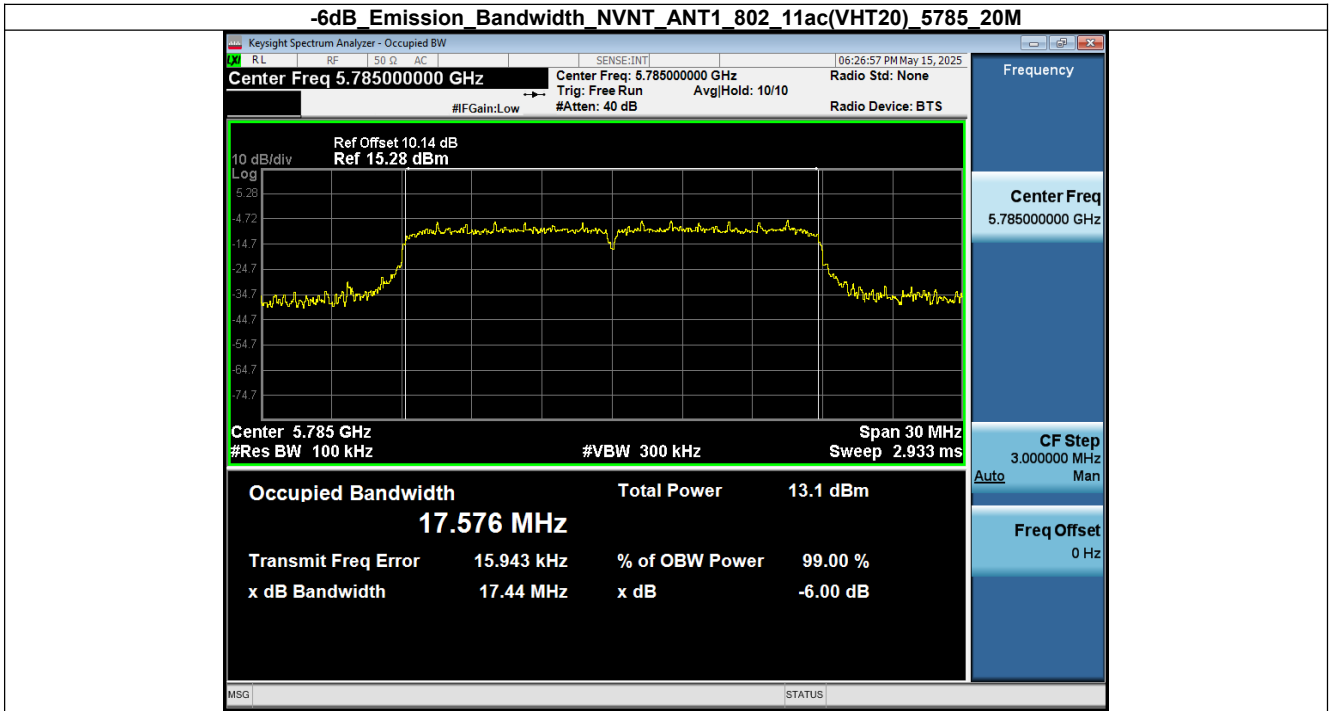
**-6dB Emission Bandwidth NVNT ANT1 802 11n(HT20) 5825 20M**



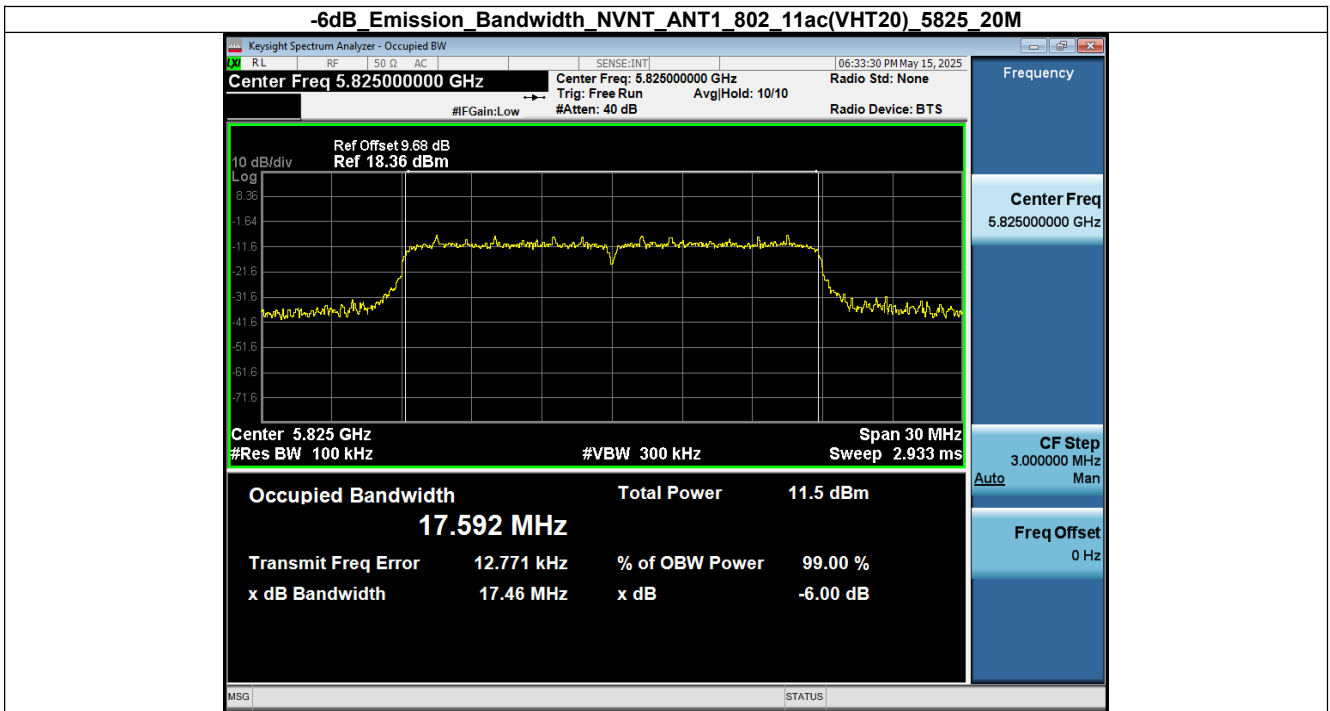
**-6dB Emission Bandwidth NVNT ANT1 802 11ac(VHT20) 5745 20M**



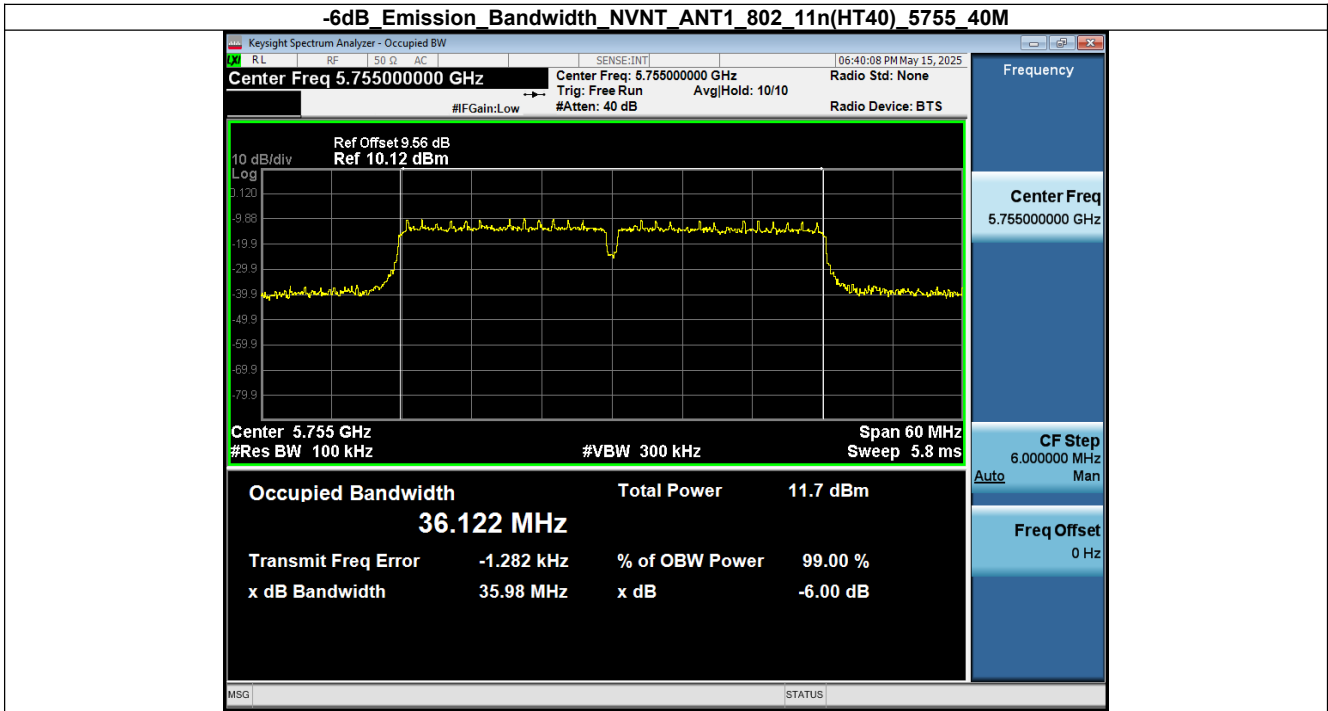
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11ac(VHT20)\_5785\_20M**



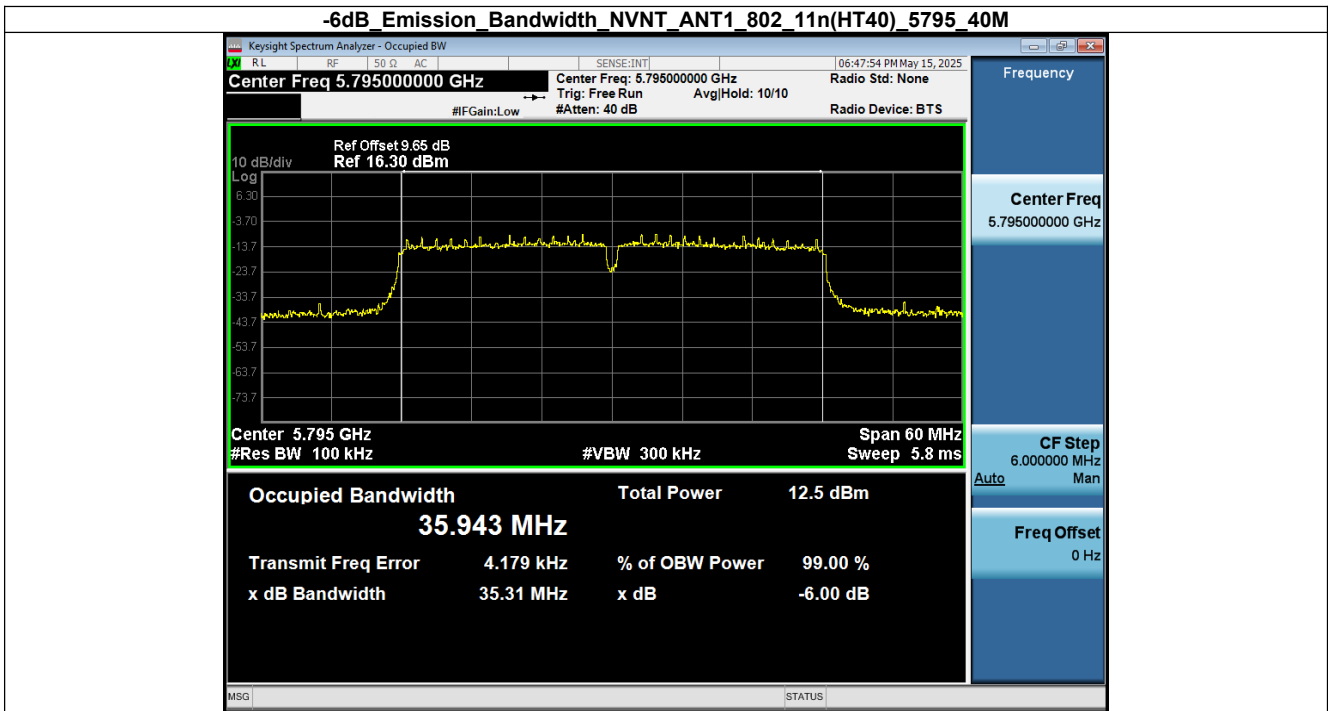
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11ac(VHT20)\_5825\_20M**



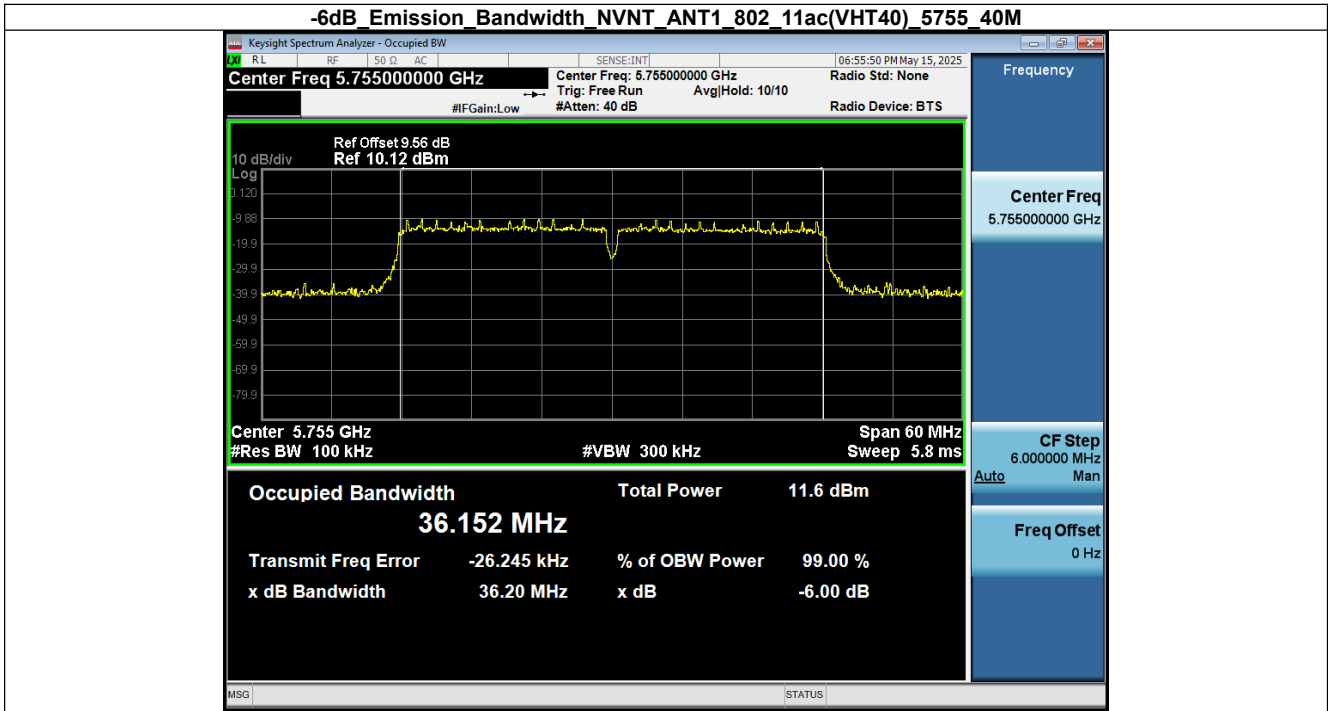
**-6dB Emission Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_5755\_40M**



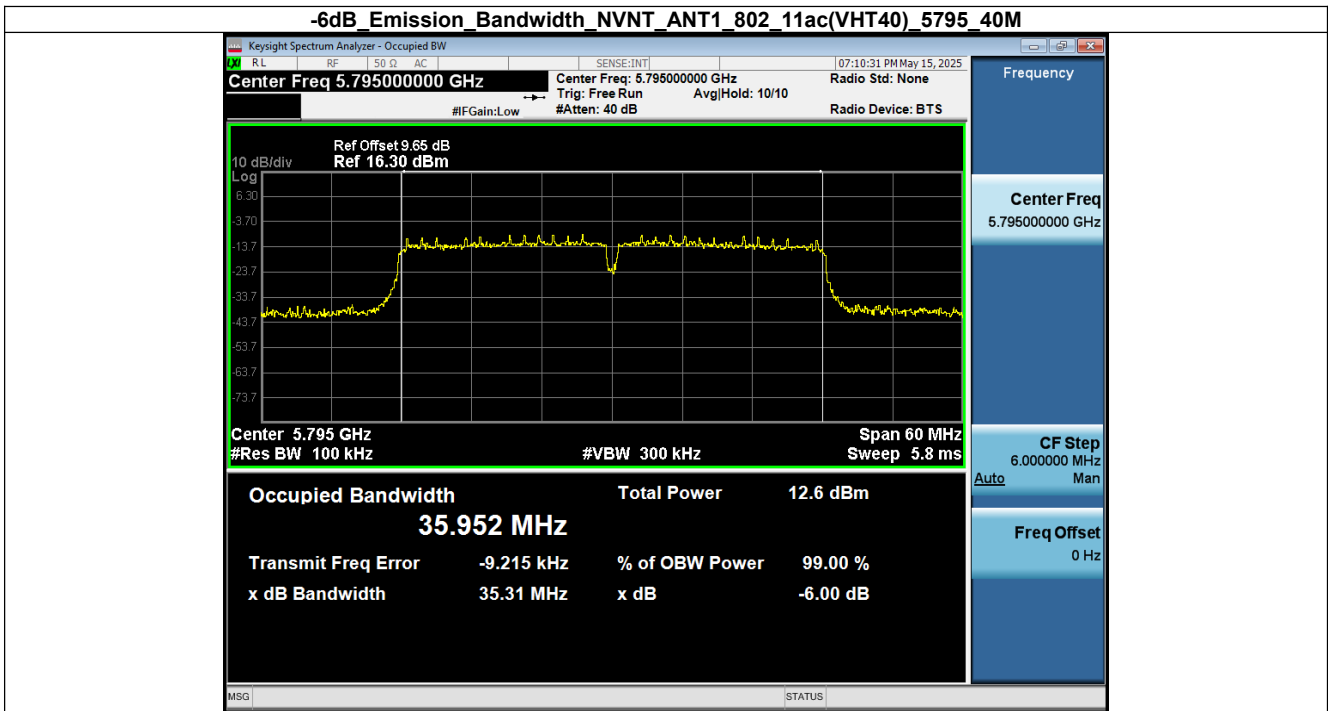
**-6dB Emission Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_5795\_40M**



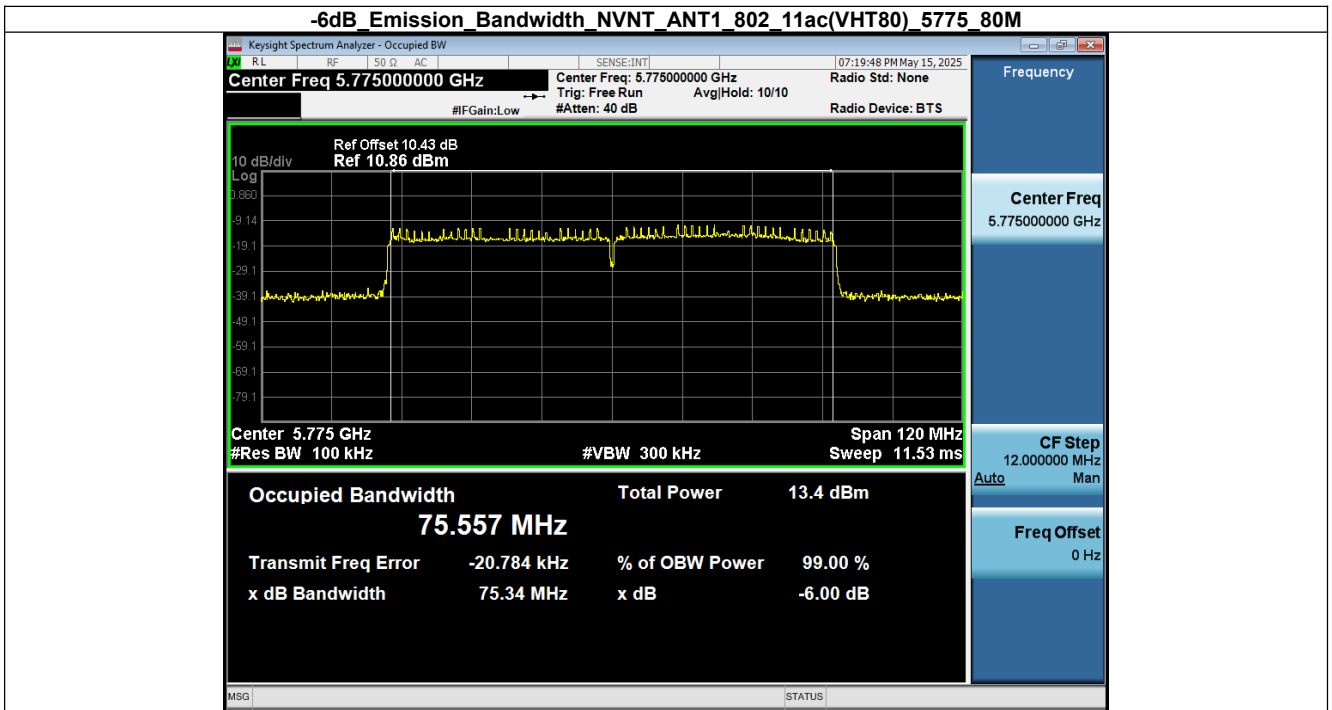
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11ac(VHT40)\_5755\_40M**



**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11ac(VHT40)\_5795\_40M**

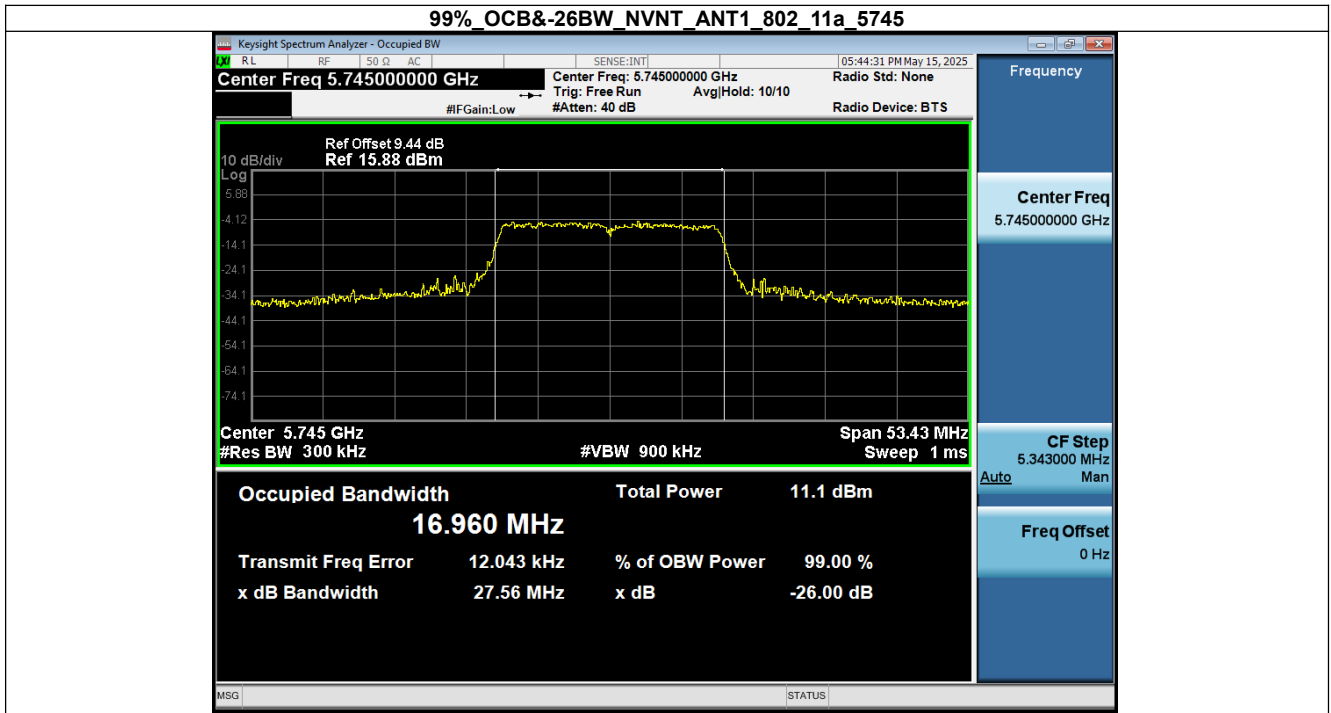


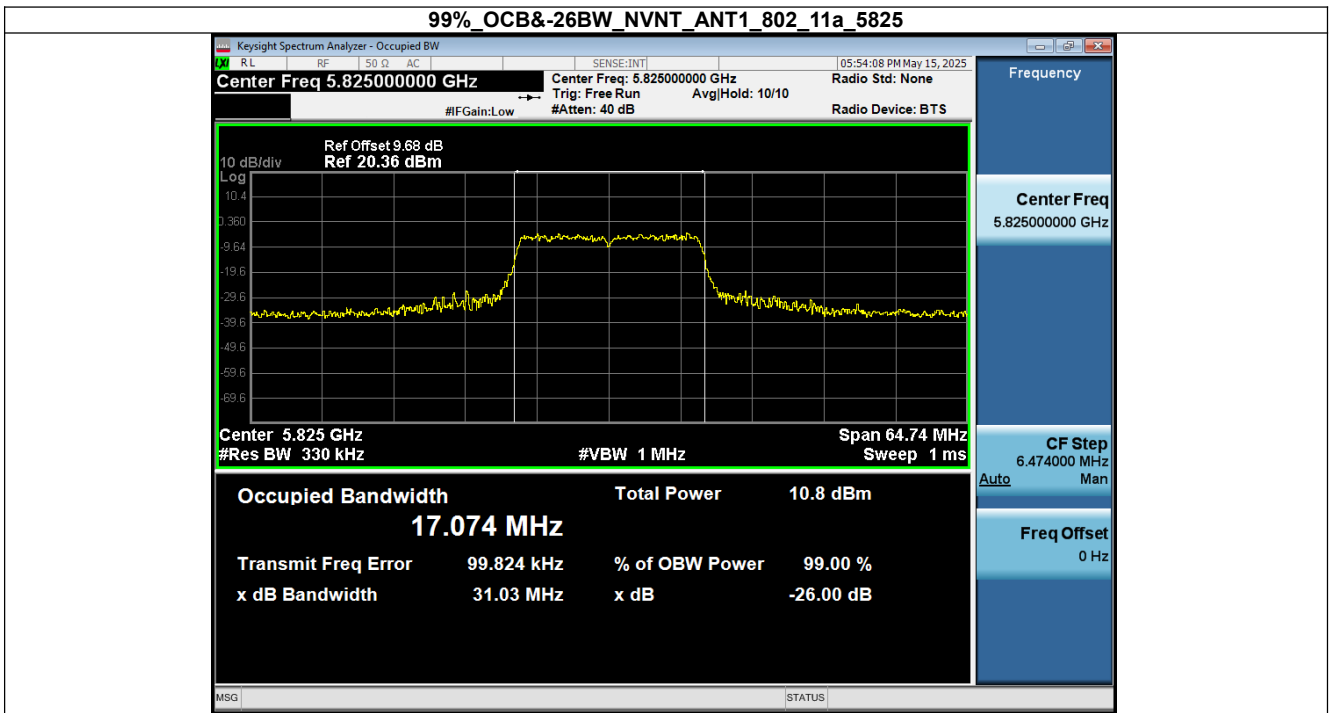
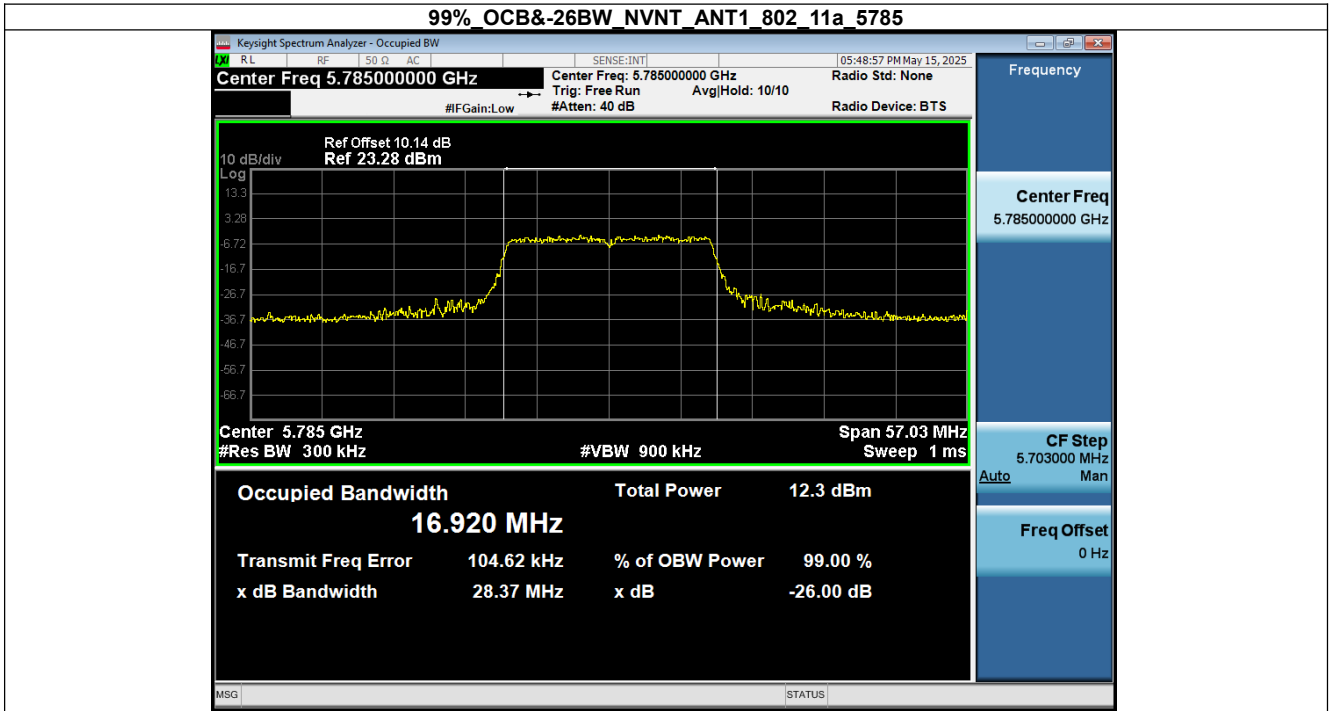


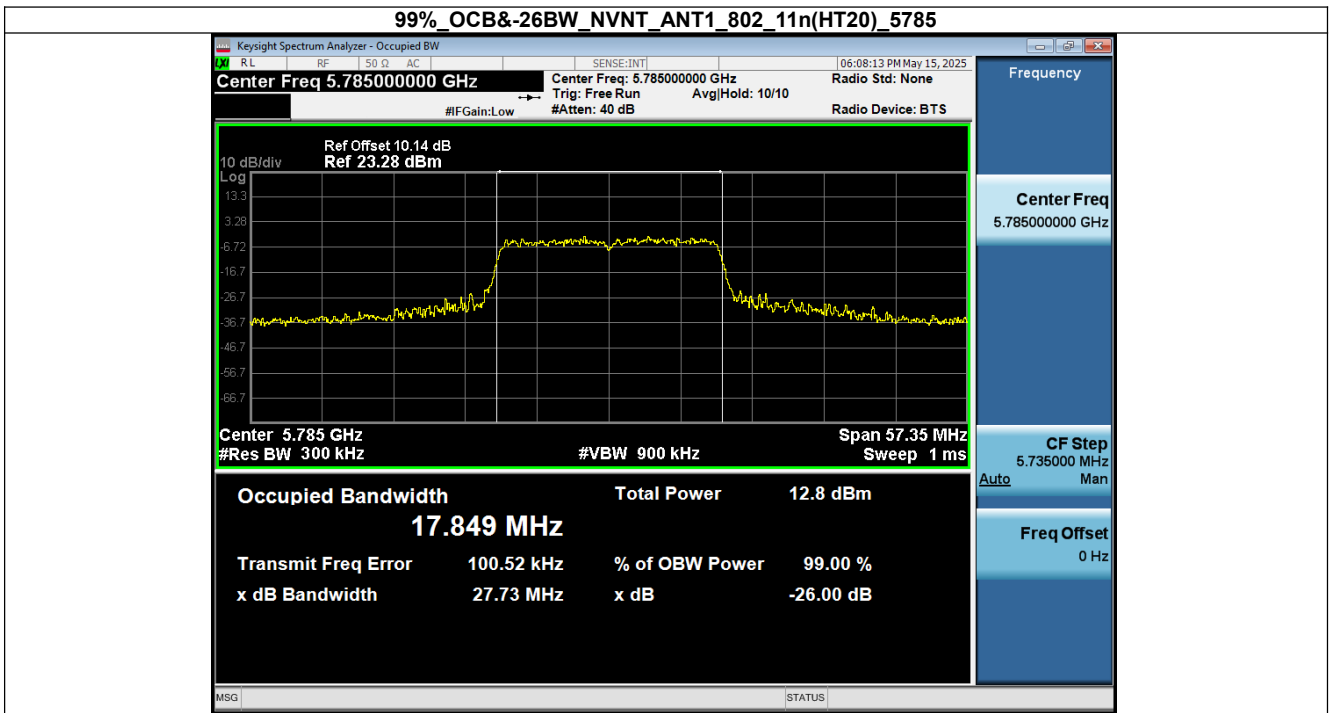
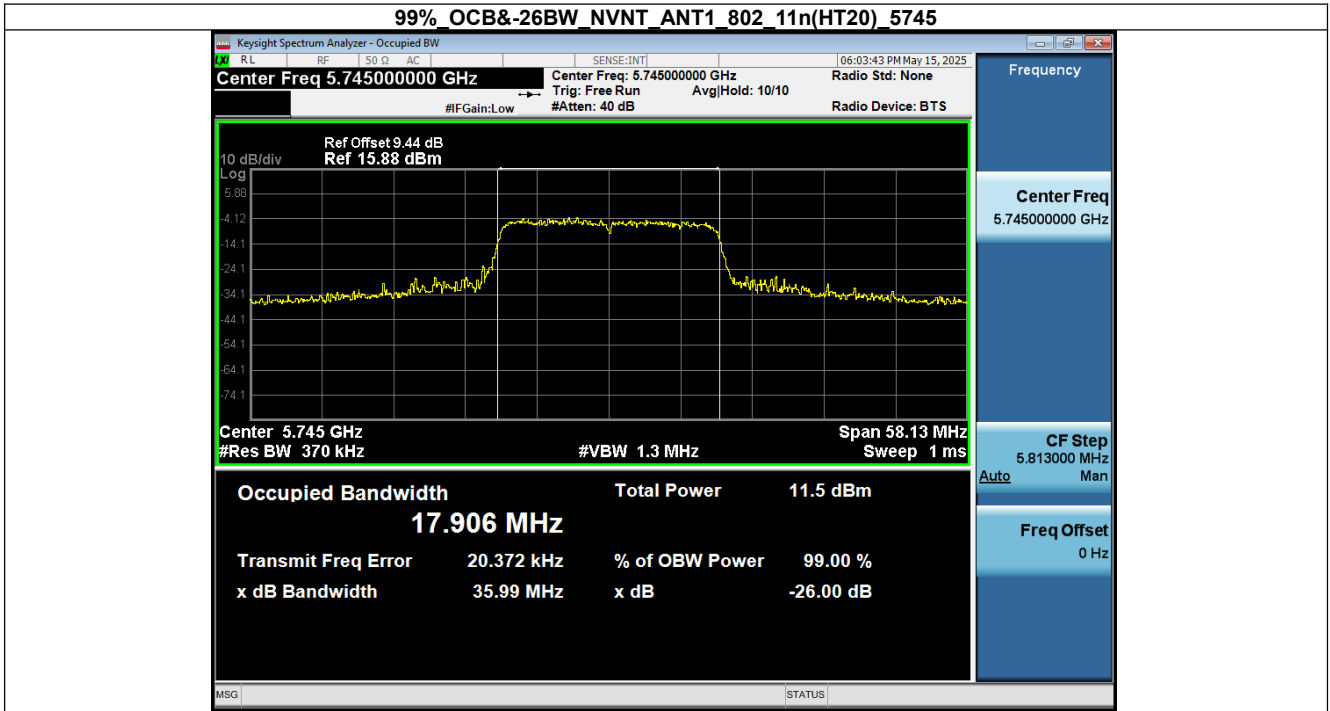


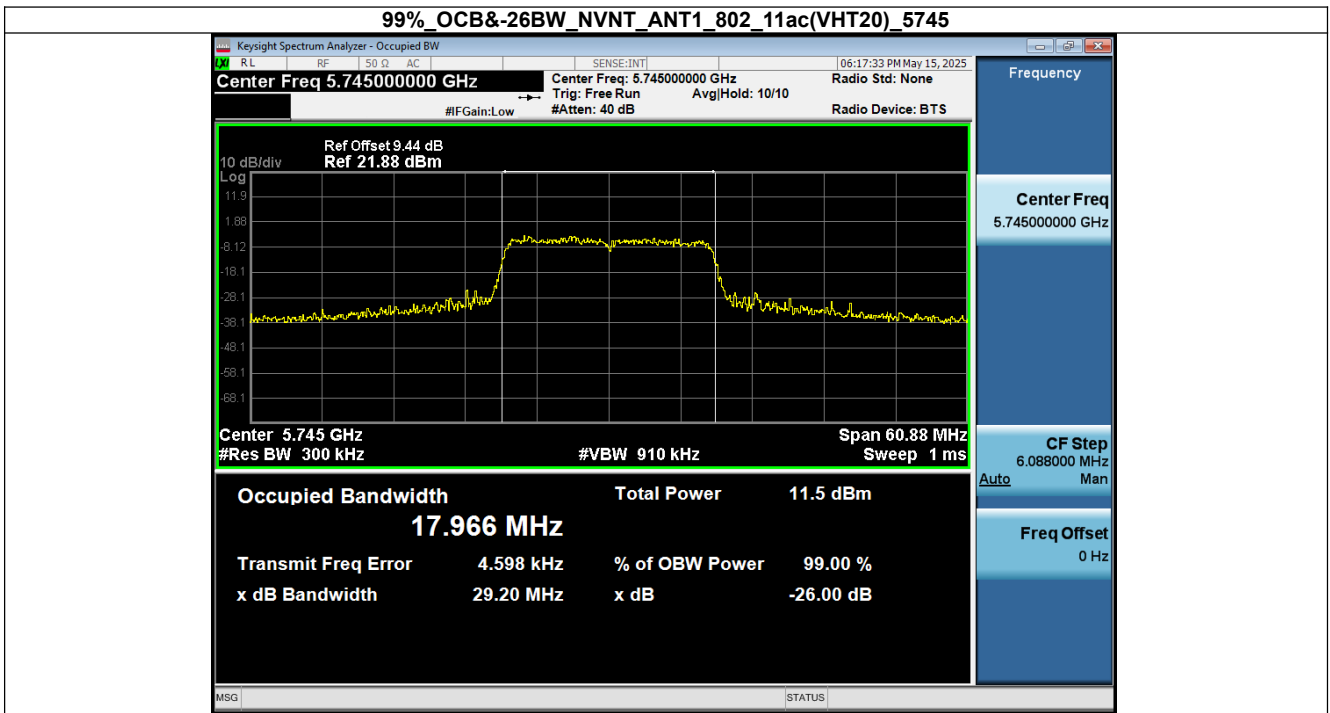
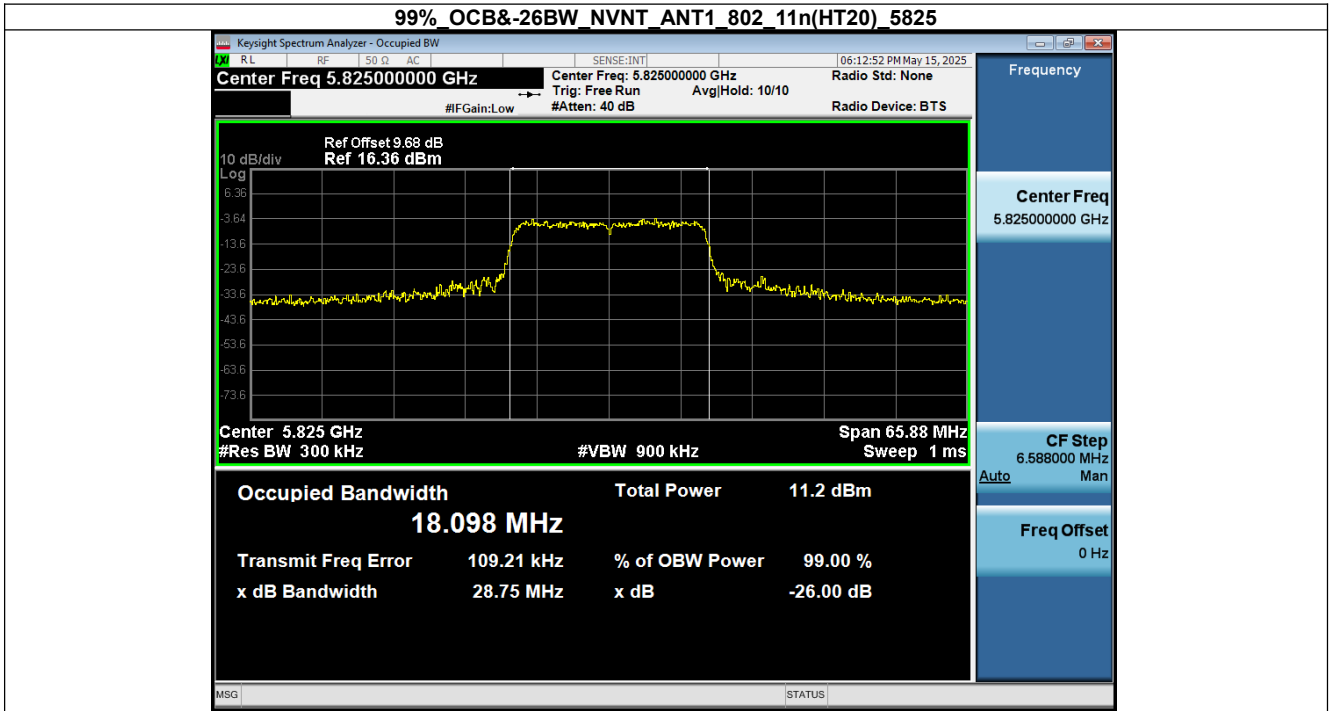
## 2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	27.56	16.960
NVNT	ANT1	802.11a	5785.00	28.37	16.920
NVNT	ANT1	802.11a	5825.00	31.03	17.074
NVNT	ANT1	802.11n(HT20)	5745.00	35.99	17.906
NVNT	ANT1	802.11n(HT20)	5785.00	27.73	17.849
NVNT	ANT1	802.11n(HT20)	5825.00	28.75	18.098
NVNT	ANT1	802.11ac(VHT20)	5745.00	29.20	17.966
NVNT	ANT1	802.11ac(VHT20)	5785.00	28.28	17.926
NVNT	ANT1	802.11ac(VHT20)	5825.00	31.67	18.073
NVNT	ANT1	802.11n(HT40)	5755.00	56.48	36.802
NVNT	ANT1	802.11n(HT40)	5795.00	39.93	36.164
NVNT	ANT1	802.11ac(VHT40)	5755.00	55.86	36.764
NVNT	ANT1	802.11ac(VHT40)	5795.00	46.65	36.319
NVNT	ANT1	802.11ac(VHT80)	5775.00	253.15	77.201

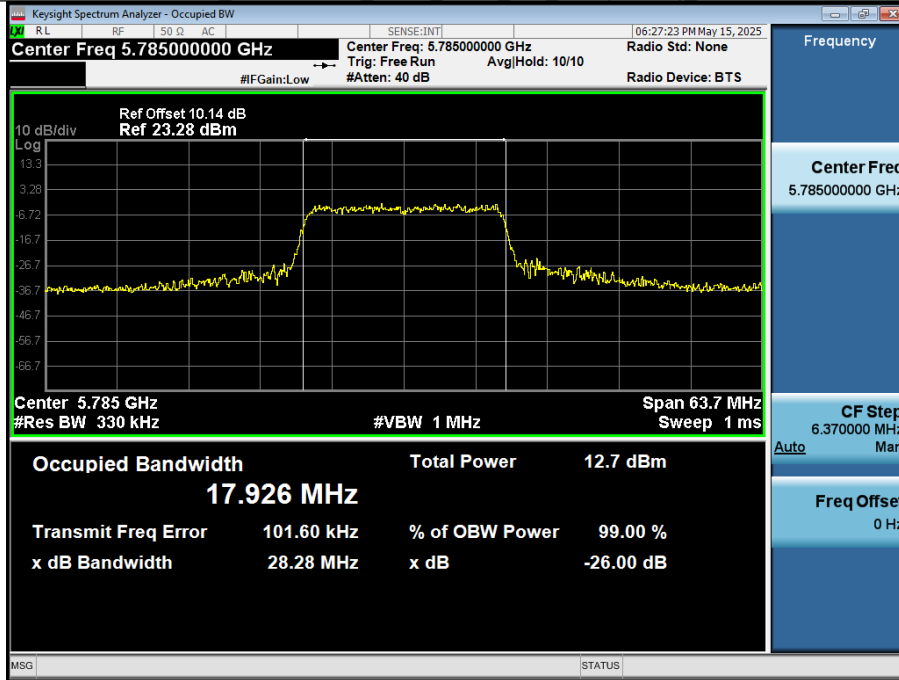




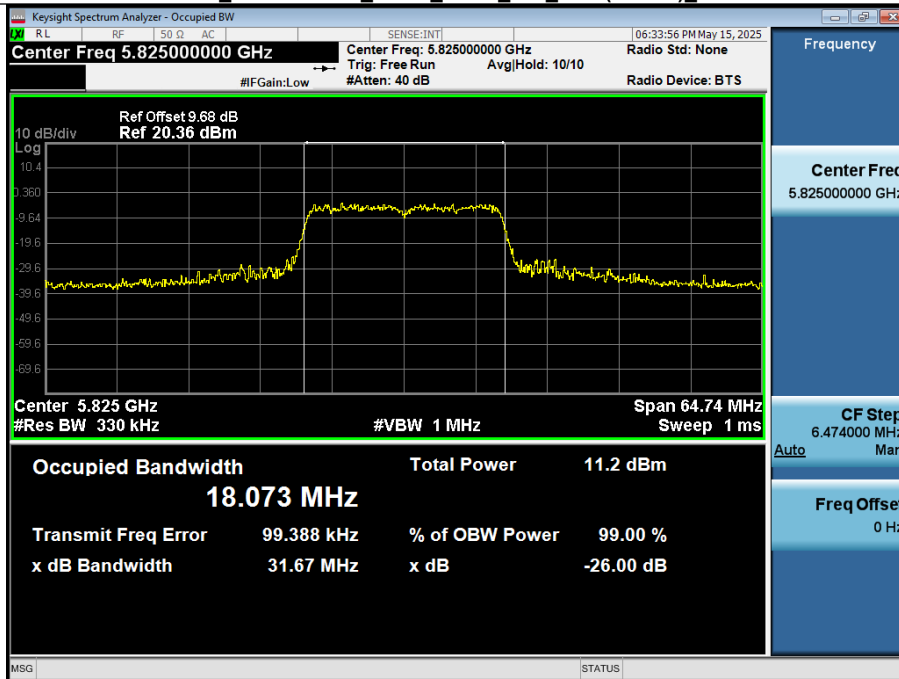


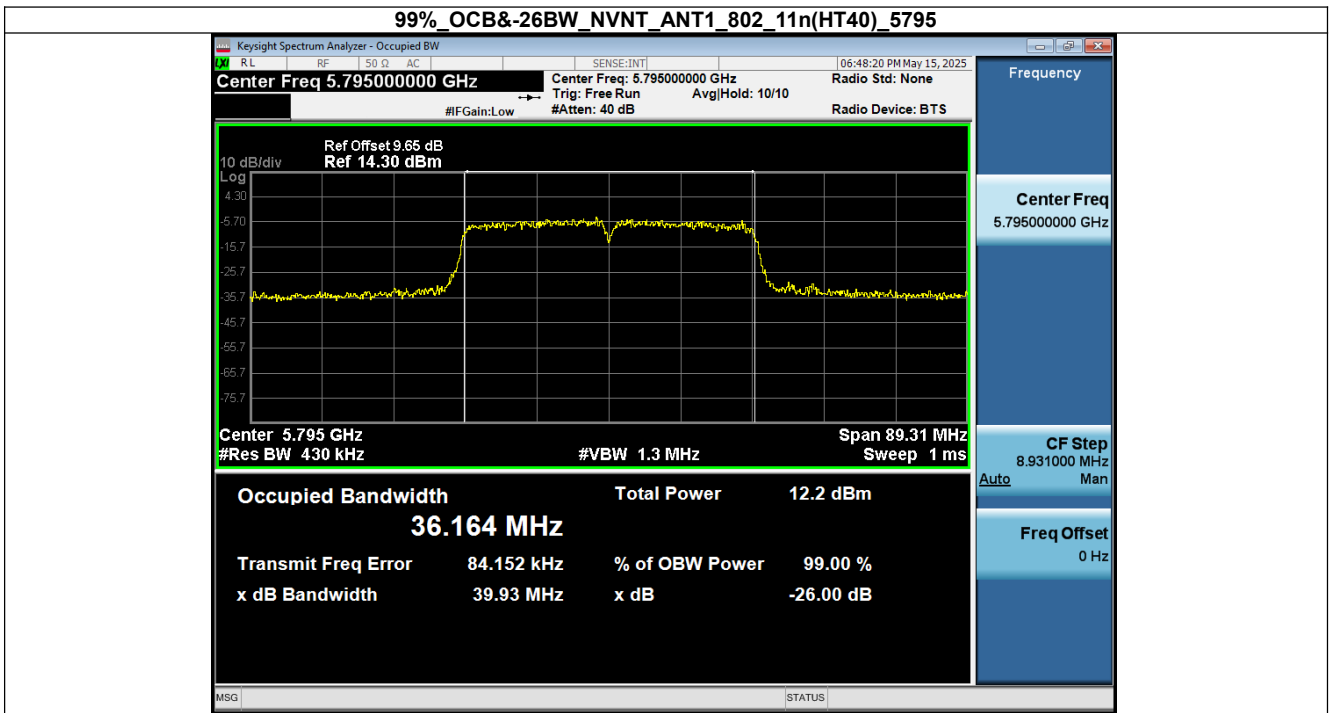
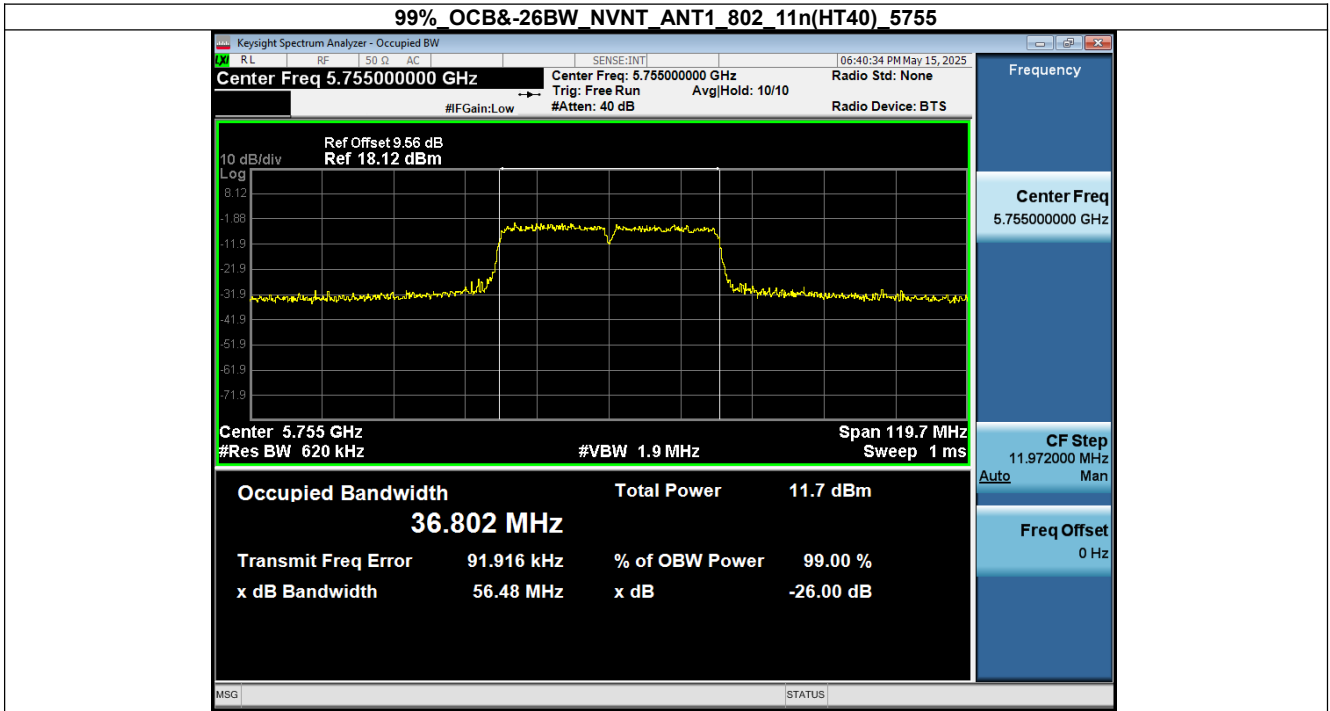


99%\_OCB&-26BW\_NVNT\_ANT1\_802\_11ac(VHT20)\_5785

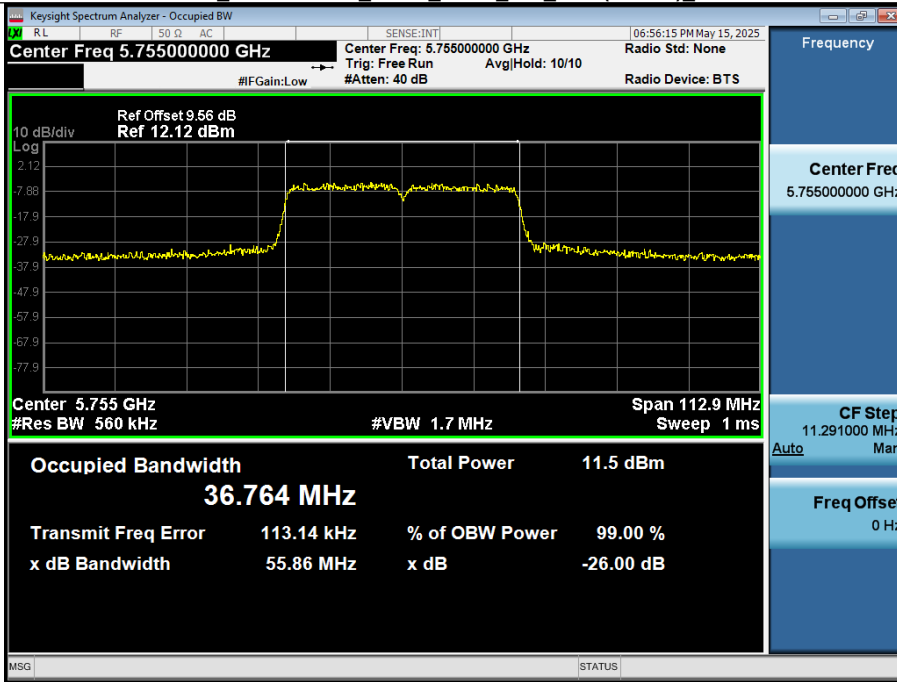


99%\_OCB&-26BW\_NVNT\_ANT1\_802\_11ac(VHT20)\_5825

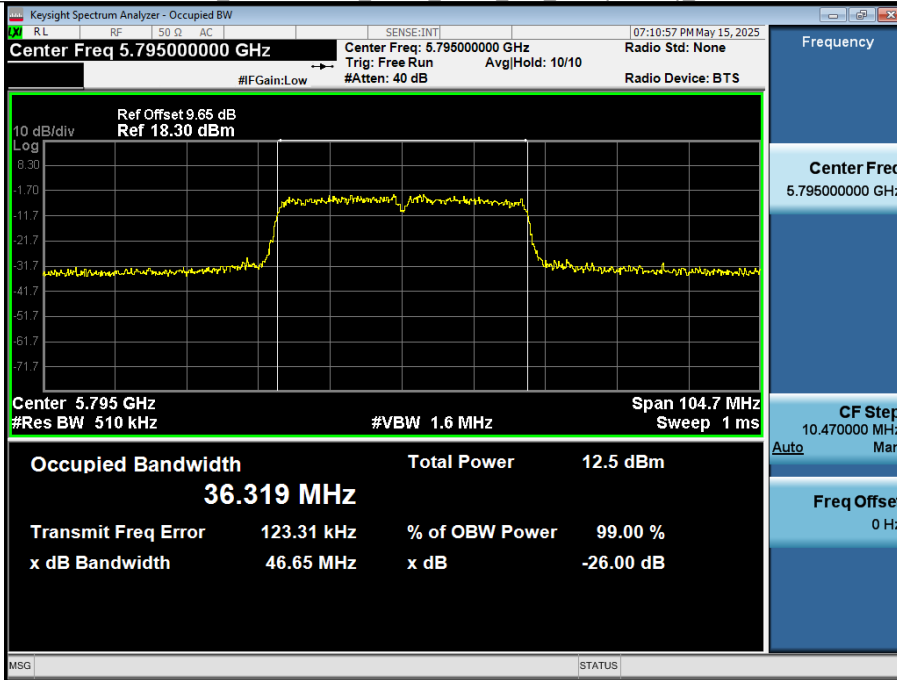




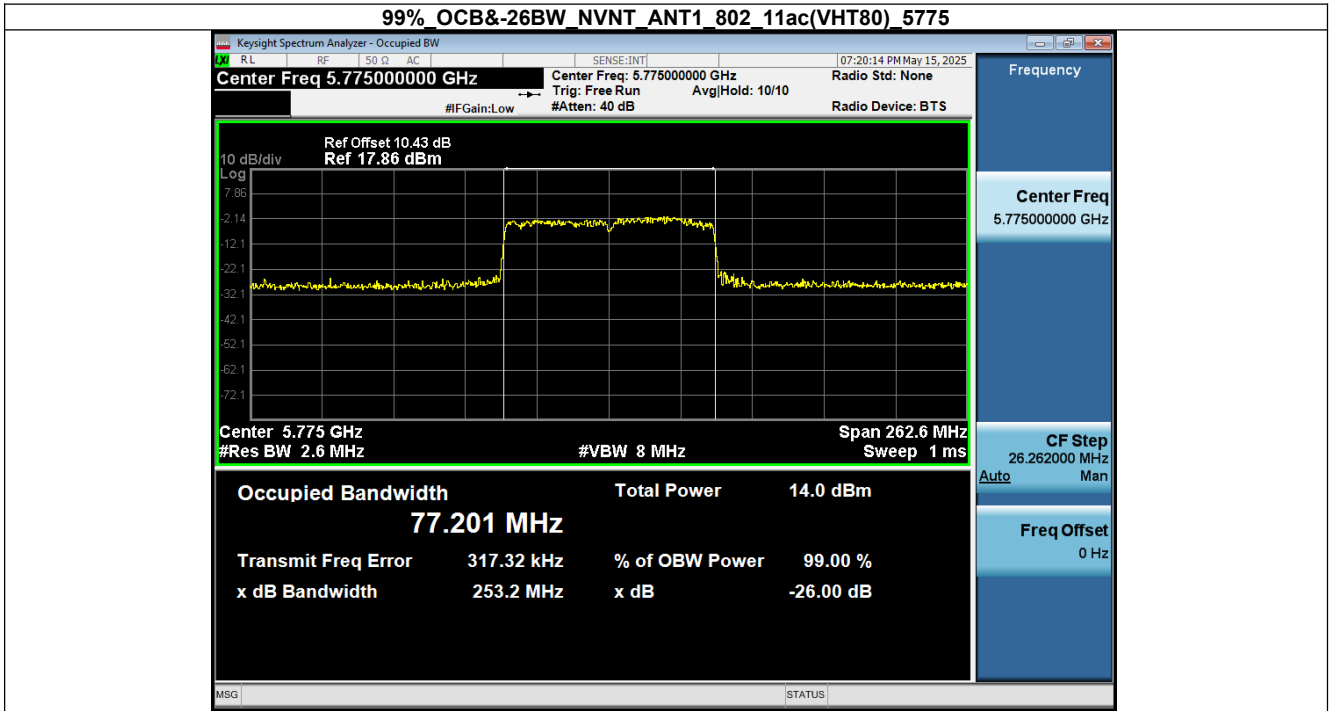
99% OCB&-26BW\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755



99% OCB&-26BW\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795



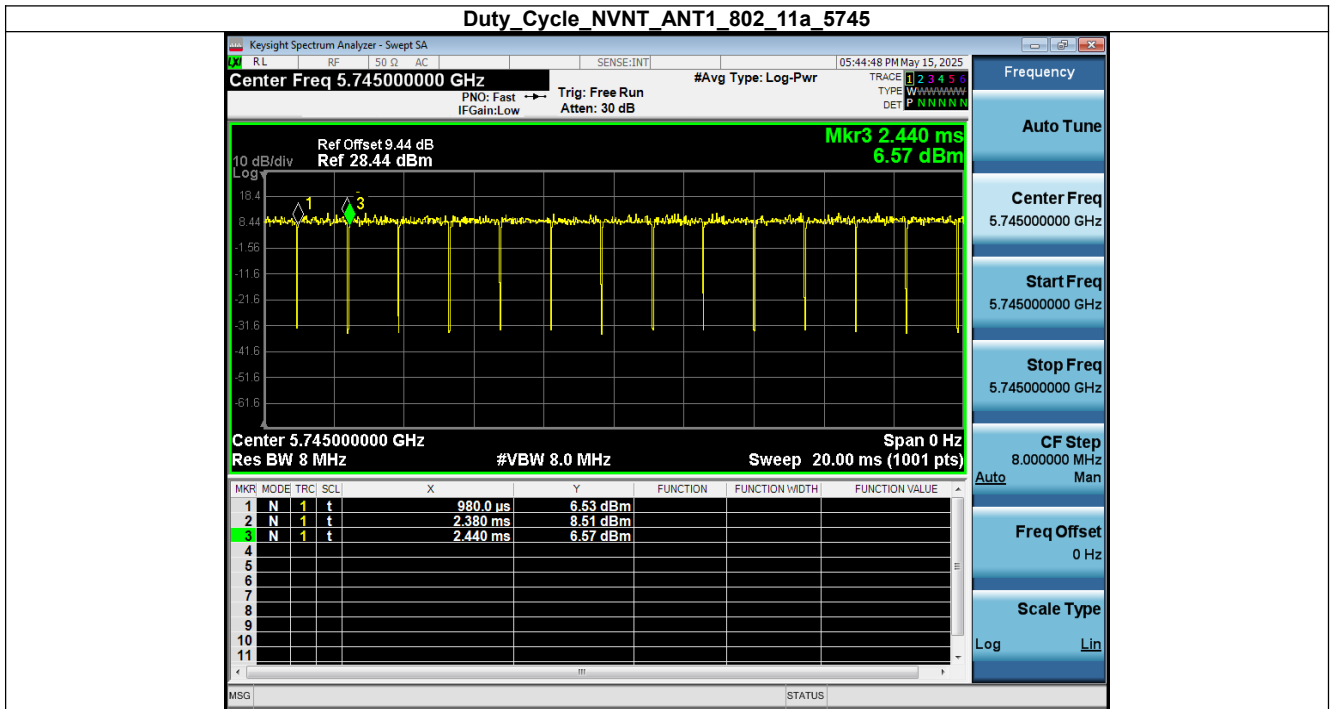




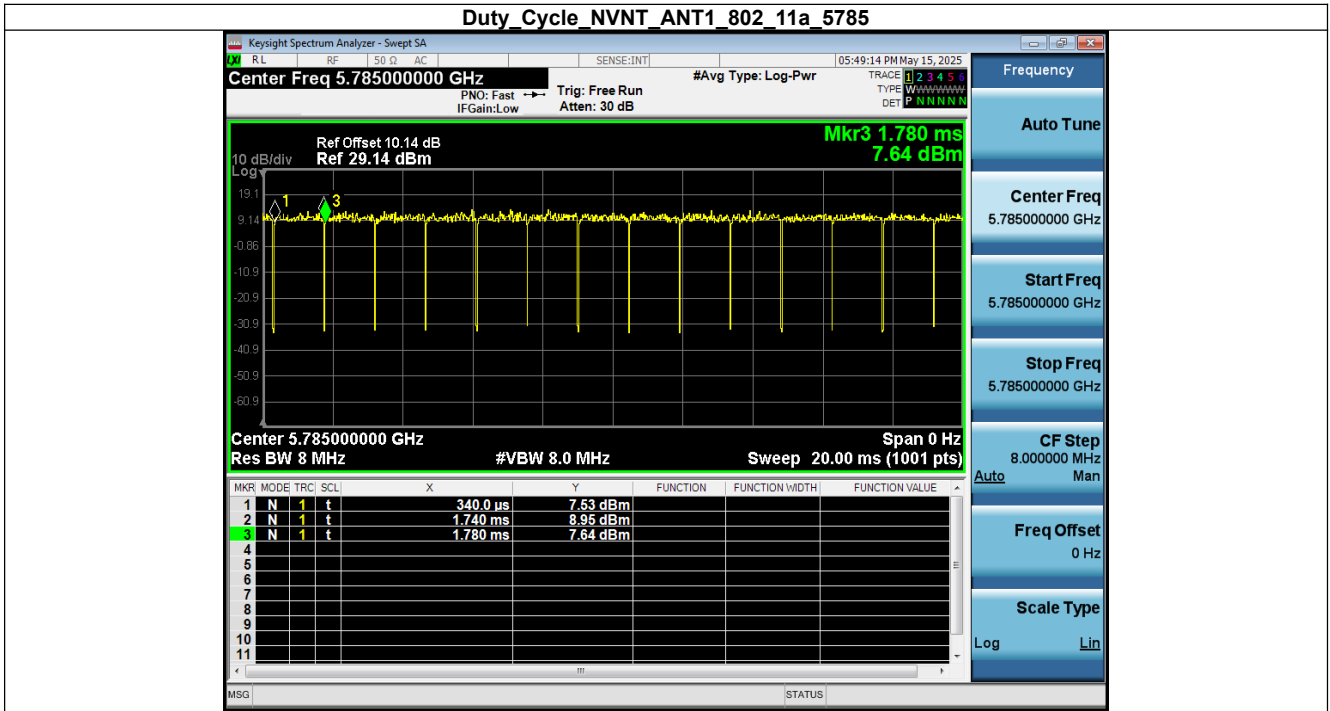


### 3. Duty Cycle

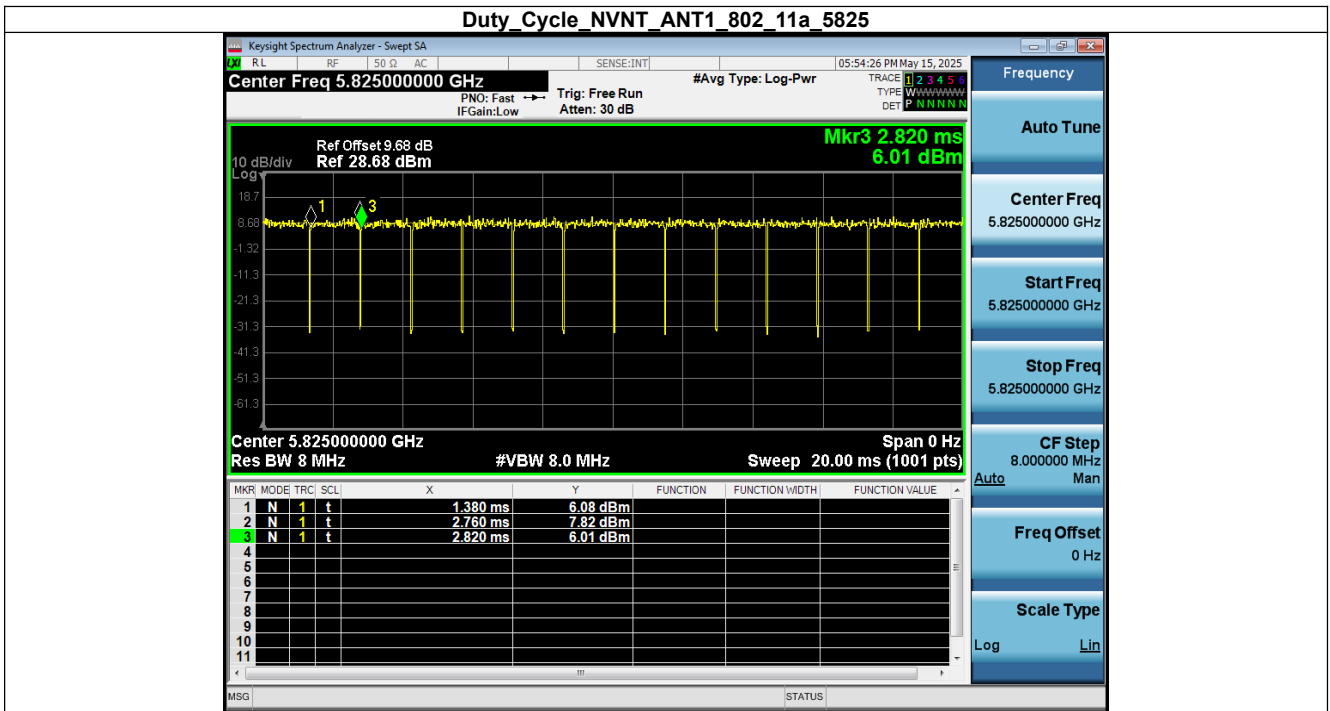
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	95.89	0.18
NVNT	ANT1	802.11a	5785.00	97.22	0.12
NVNT	ANT1	802.11a	5825.00	95.83	0.18
NVNT	ANT1	802.11n(HT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	5785.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	5825.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	5785.00	95.24	0.21
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	90.63	0.43
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	83.33	0.79



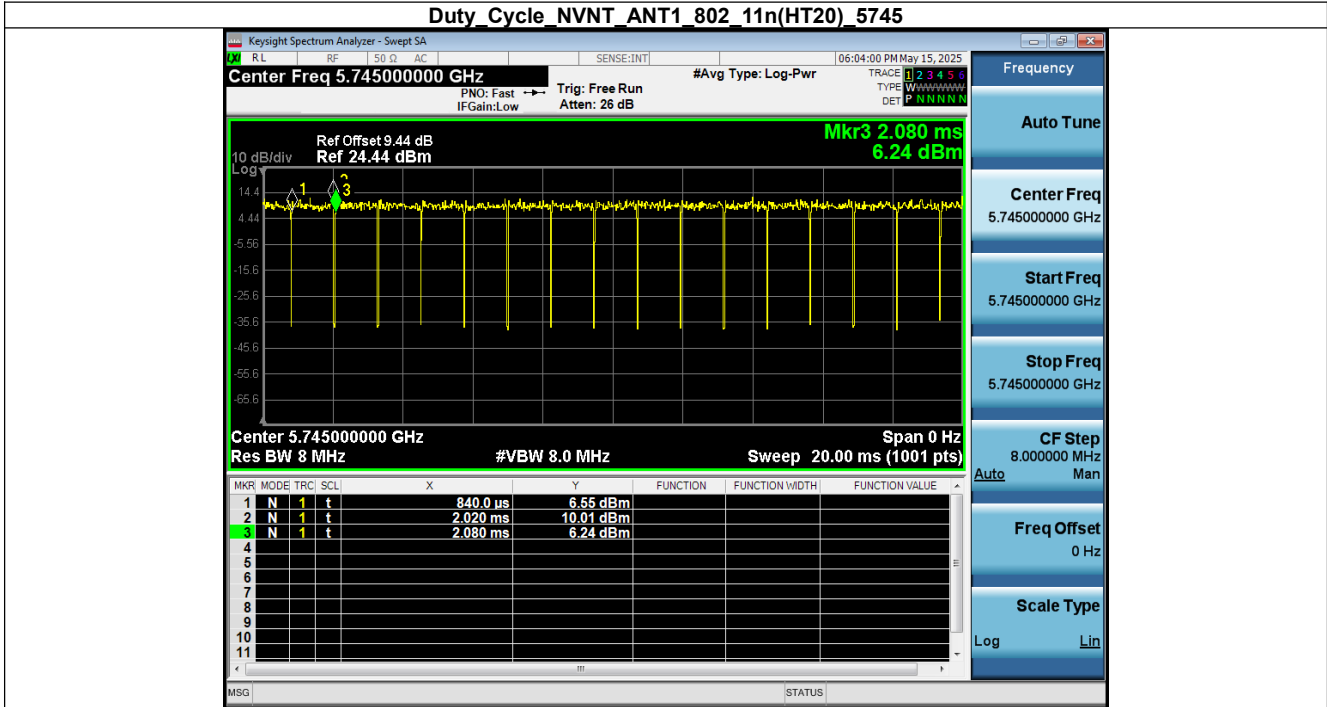
Duty Cycle NVNT\_ANT1\_802\_11a\_5785



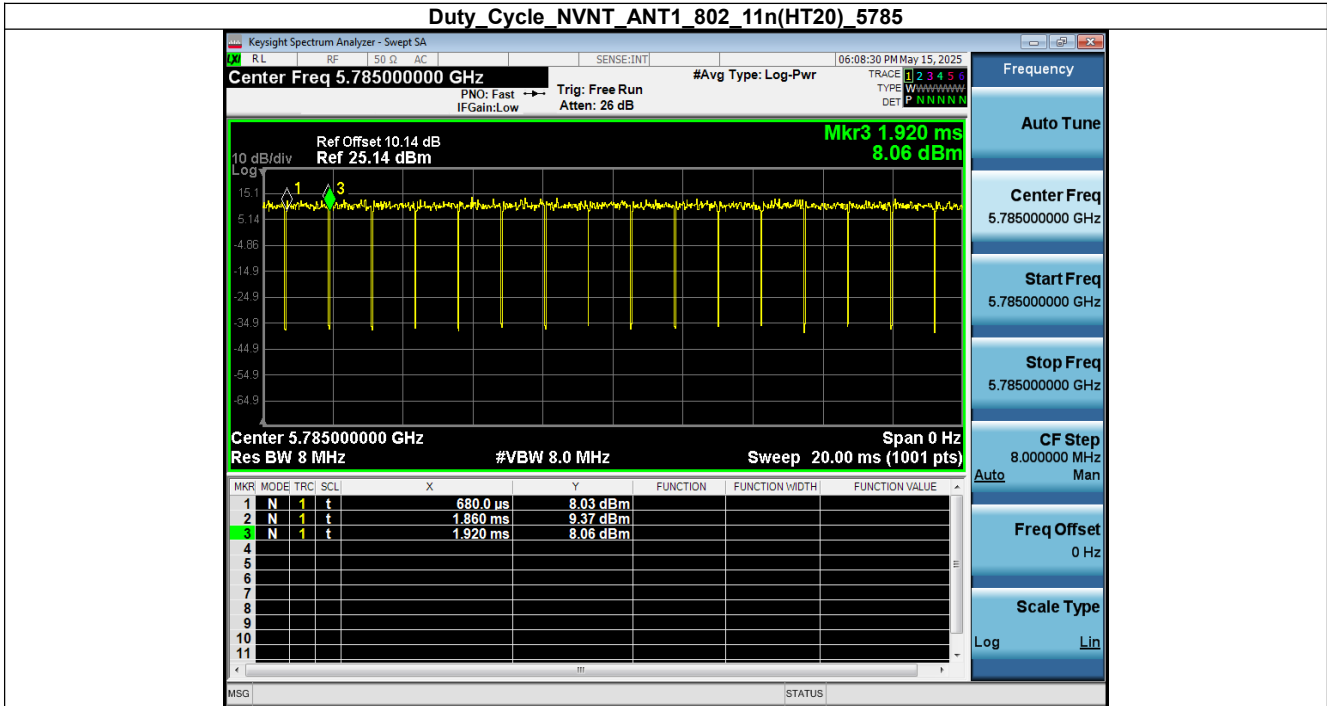
Duty Cycle NVNT\_ANT1\_802\_11a\_5825



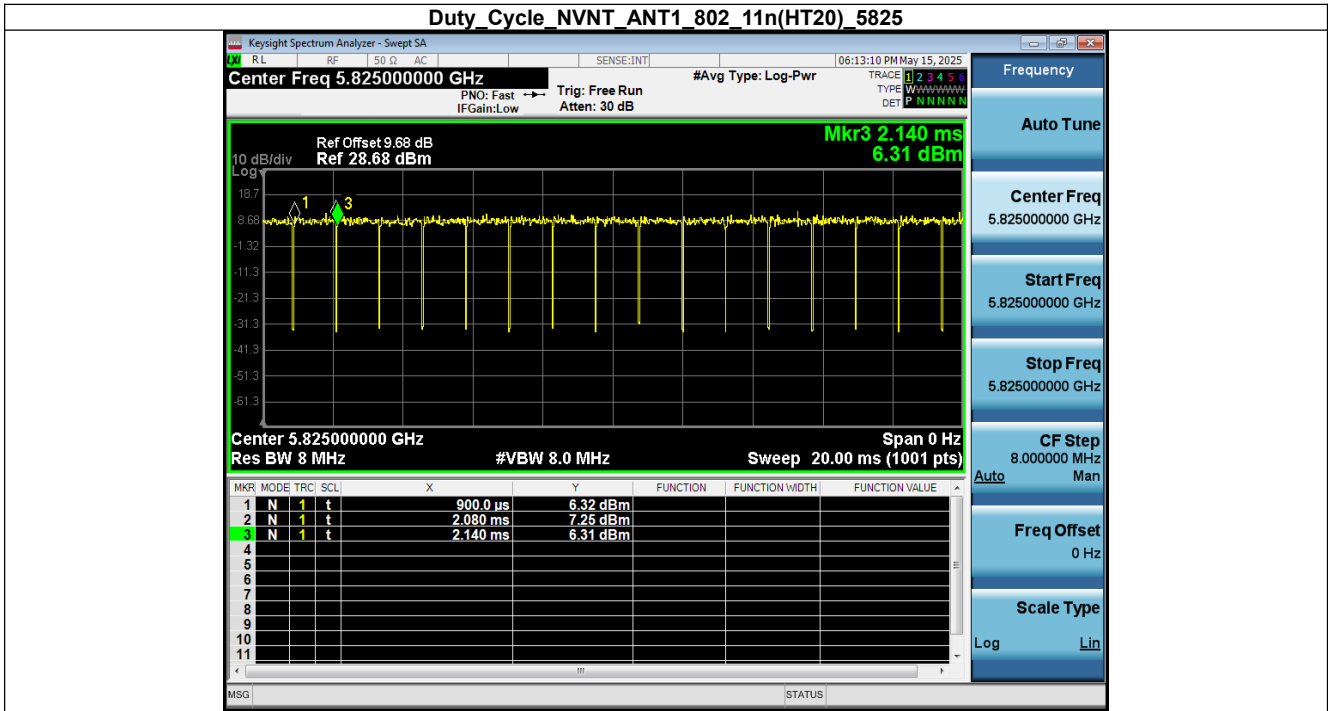
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5745



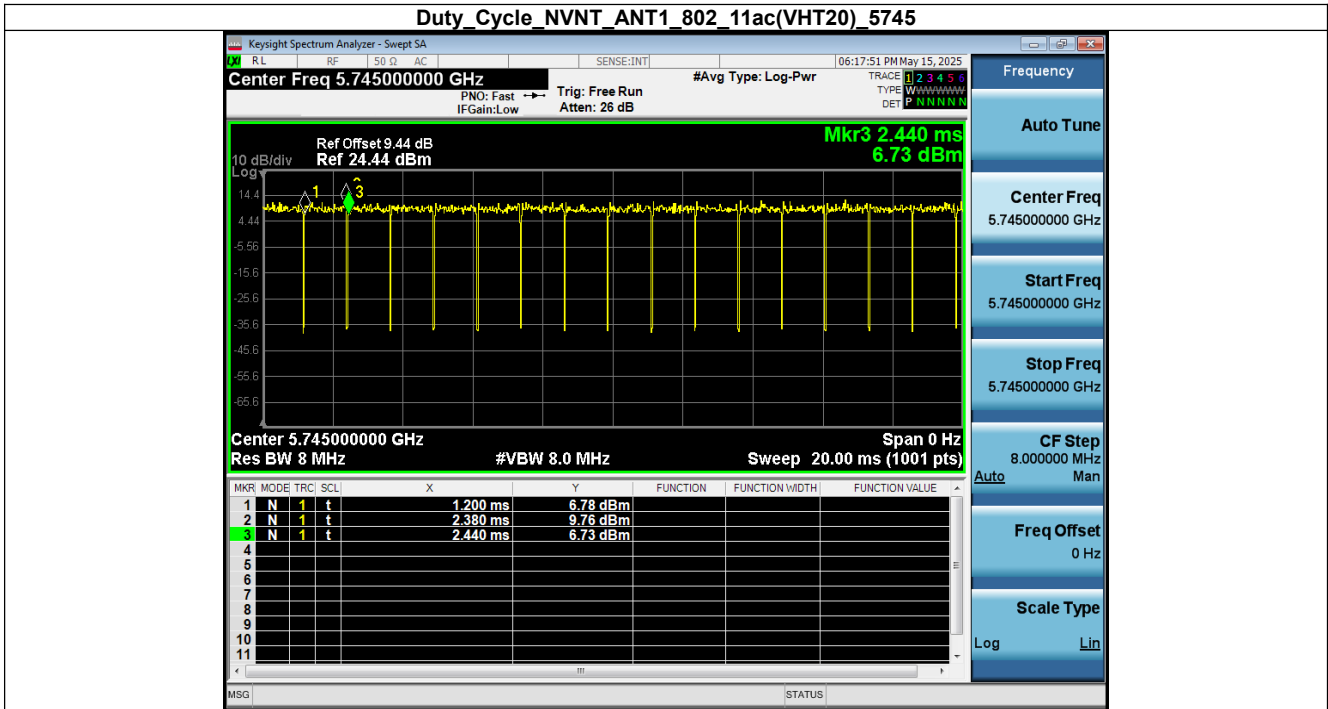
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5785



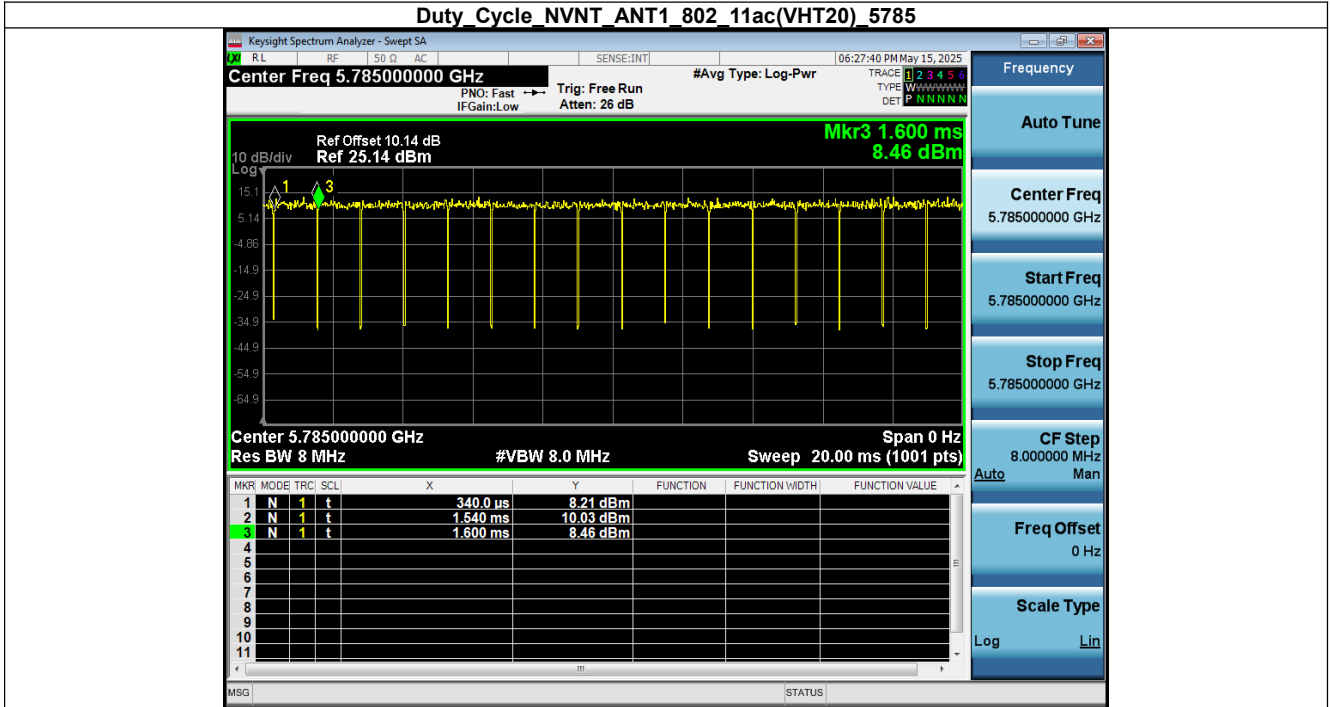
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5825



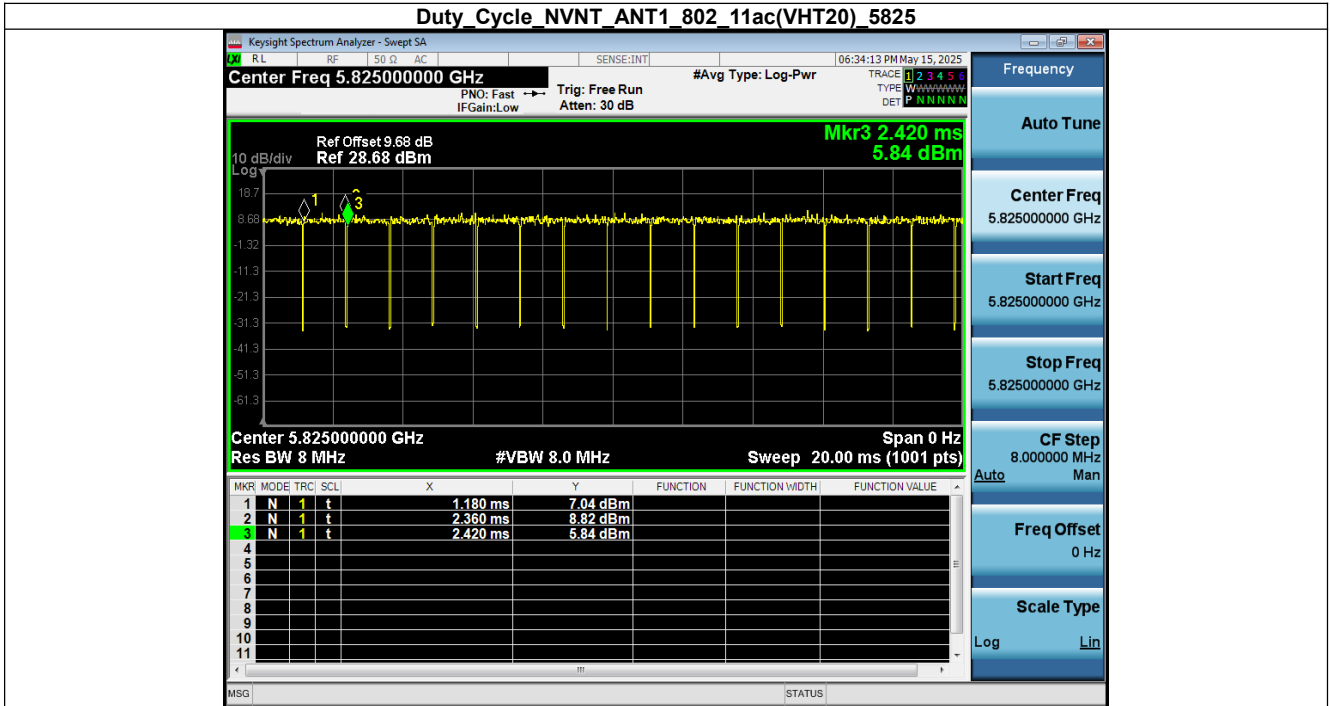
Duty Cycle NVNT\_ANT1\_802\_11ac(VHT20)\_5745



Duty Cycle NVNT ANT1\_802\_11ac(VHT20)\_5785

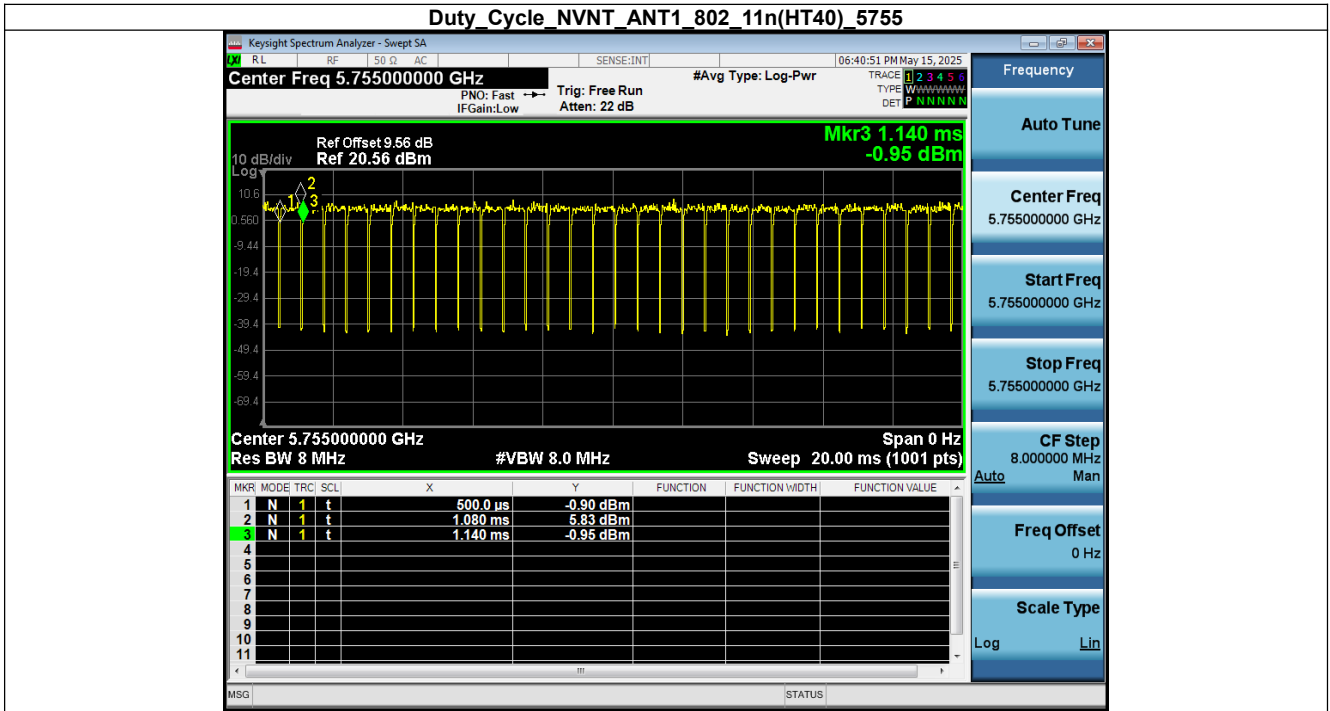


Duty Cycle NVNT ANT1\_802\_11ac(VHT20)\_5825

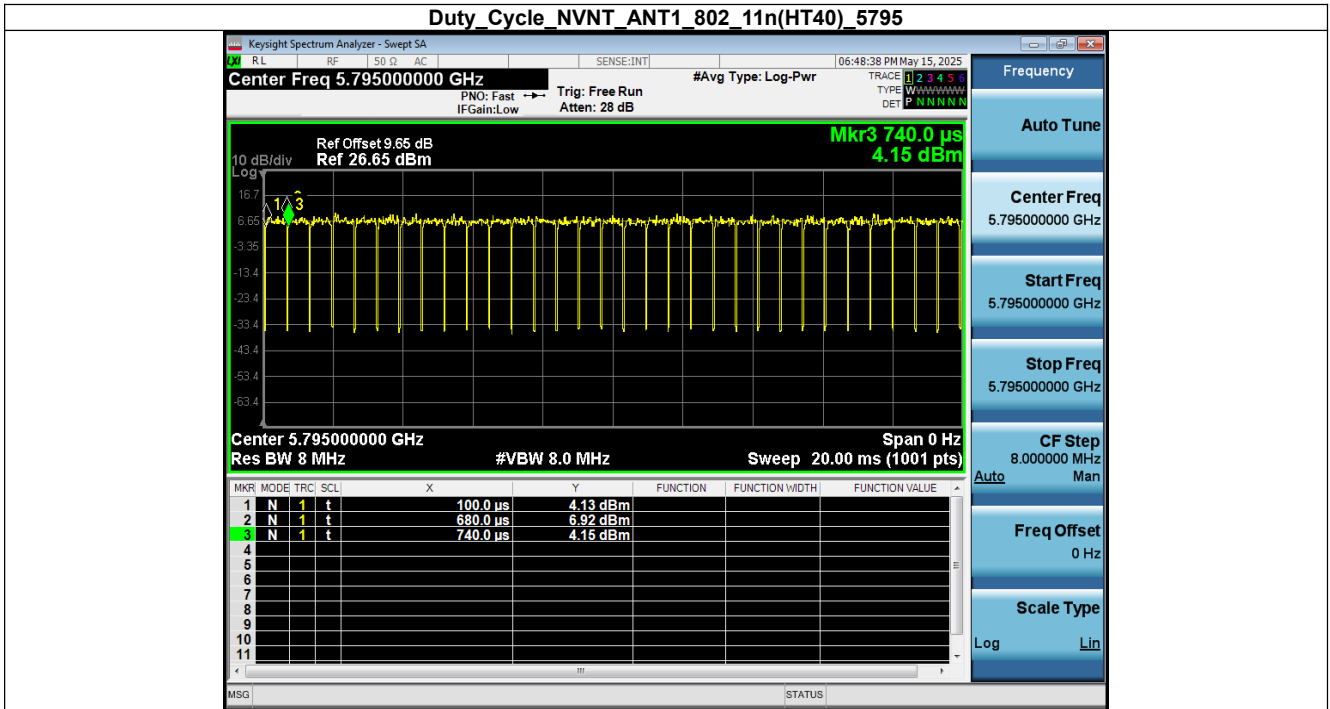




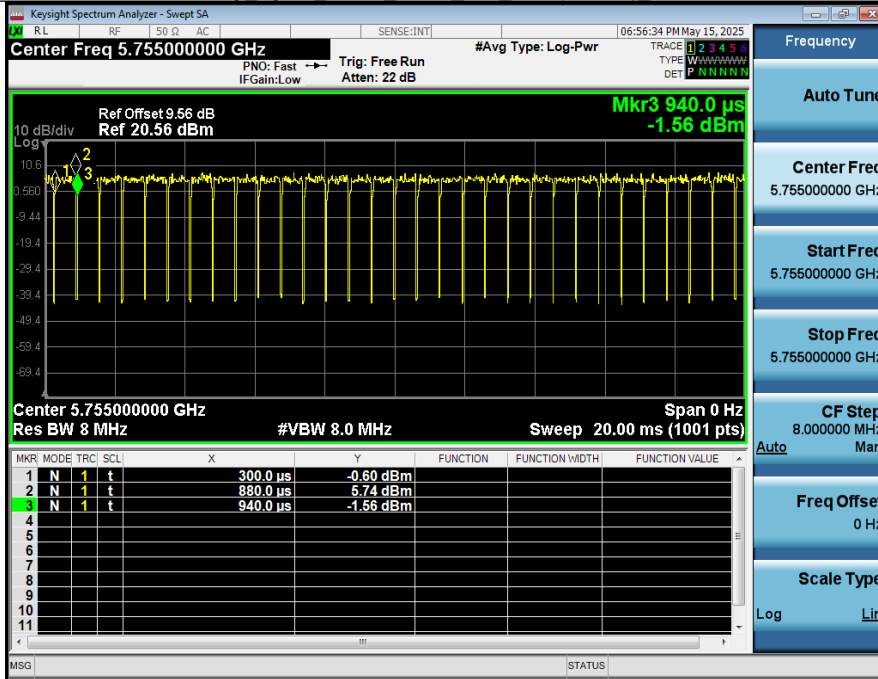
Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_5755



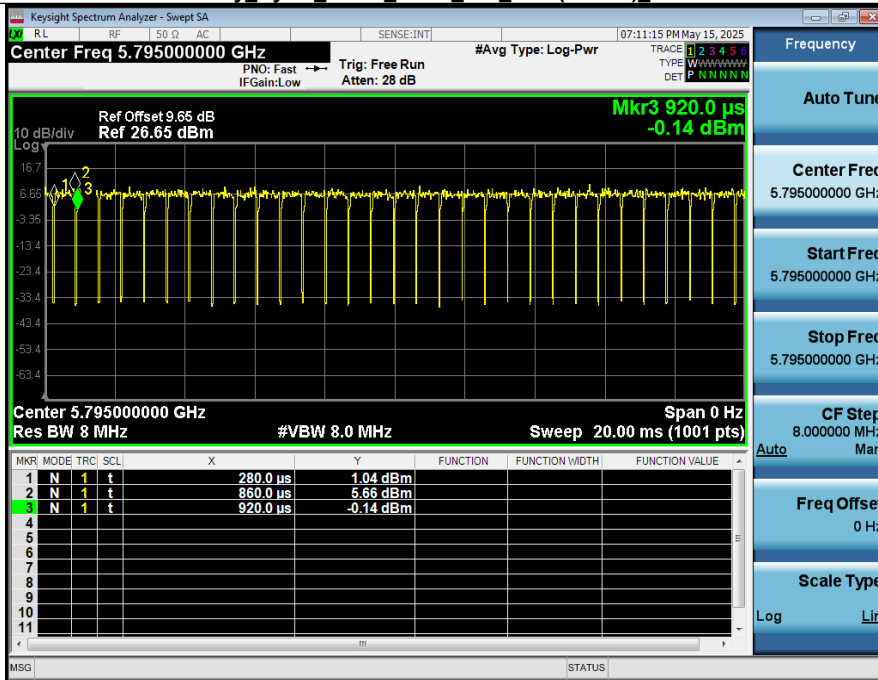
Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_5755



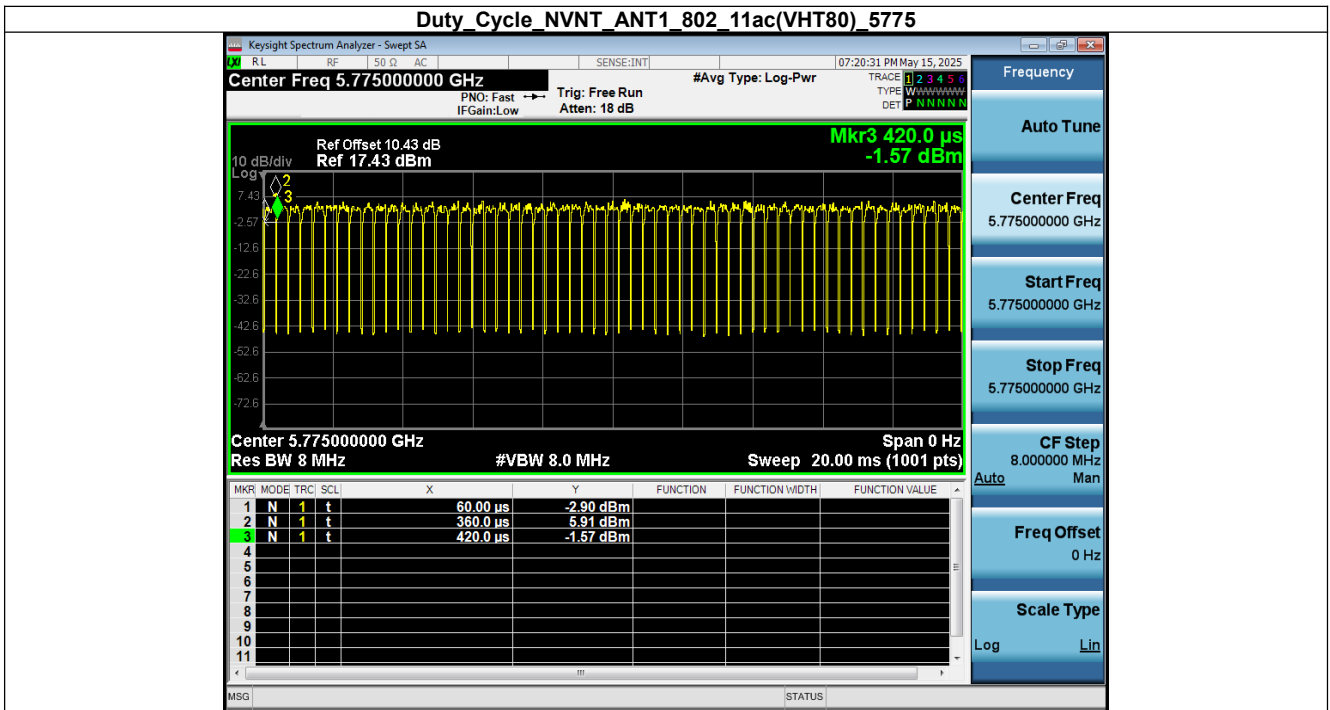
Duty Cycle NVNT\_ANT1\_802\_11ac(VHT40)\_5755



Duty Cycle NVNT\_ANT1\_802\_11ac(VHT40)\_5795



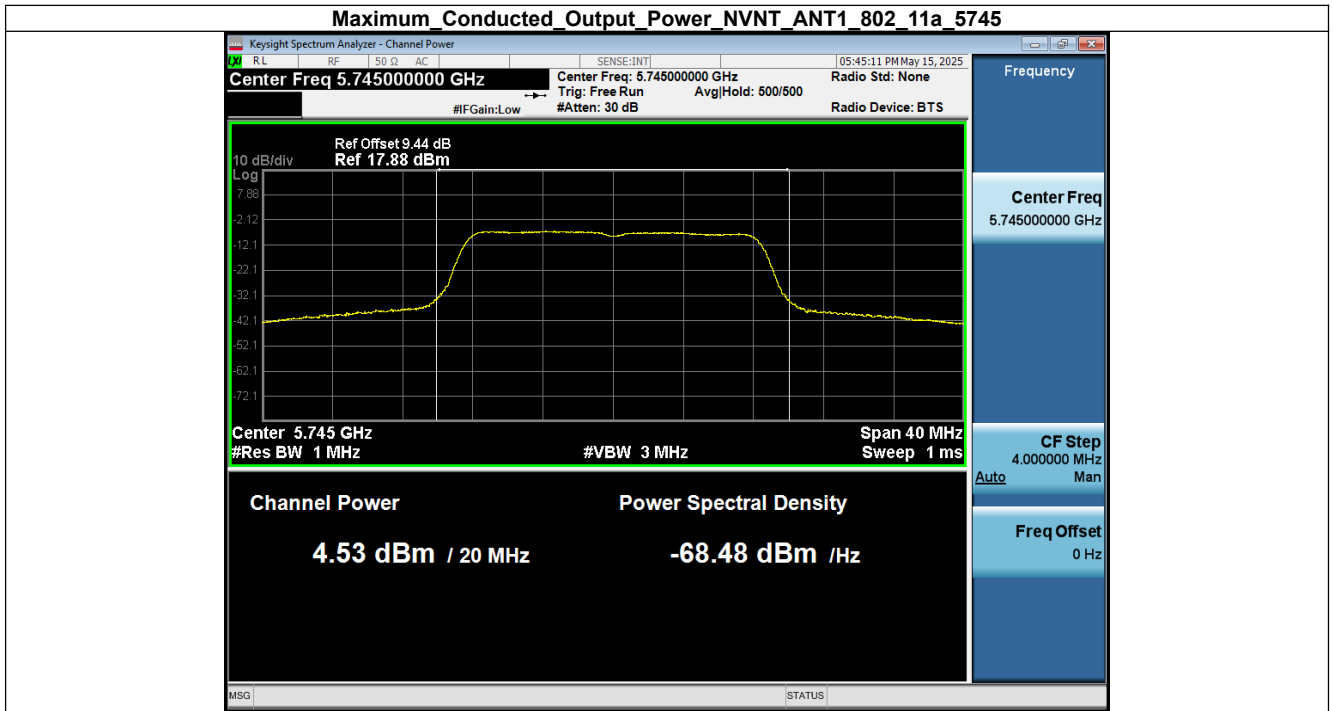




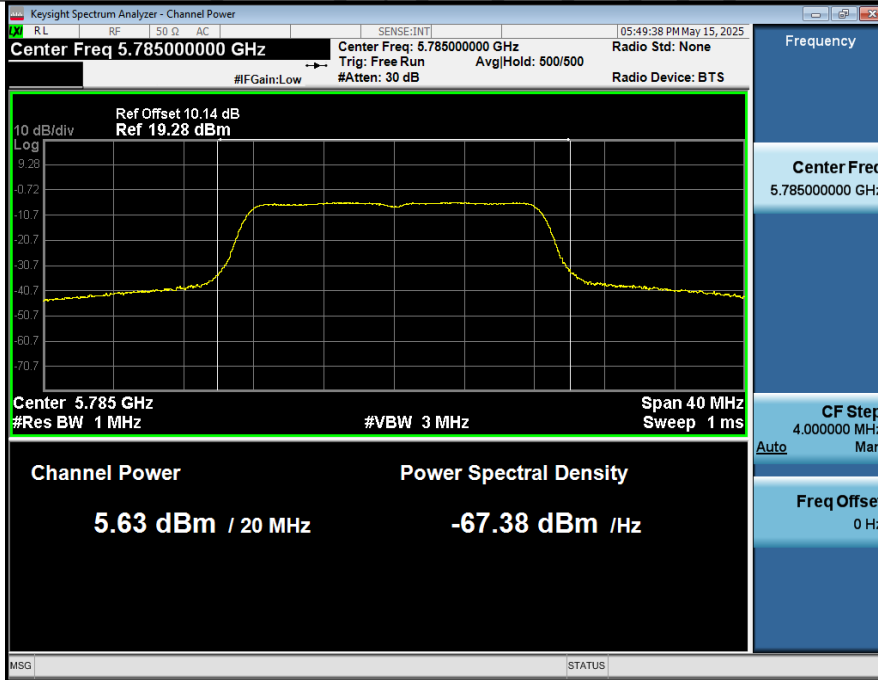


### 4. Maximum Conducted Output Power

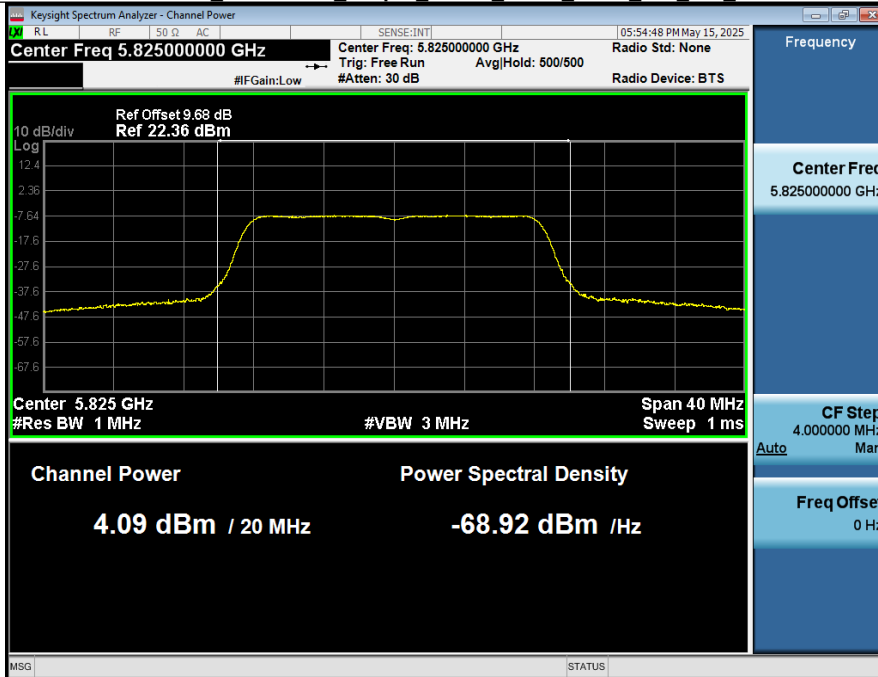
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	4.53	0.18	4.71	30	Pass
NVNT	ANT1	802.11a	5785.00	5.63	0.12	5.75	30	Pass
NVNT	ANT1	802.11a	5825.00	4.09	0.18	4.27	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	4.79	0.22	5.01	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	5.92	0.22	6.14	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	4.39	0.22	4.61	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	4.80	0.22	5.02	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	5.86	0.21	6.07	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	4.29	0.22	4.51	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	3.98	0.43	4.41	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	4.85	0.43	5.28	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	3.89	0.43	4.32	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	4.88	0.43	5.31	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	4.96	0.79	5.75	30	Pass



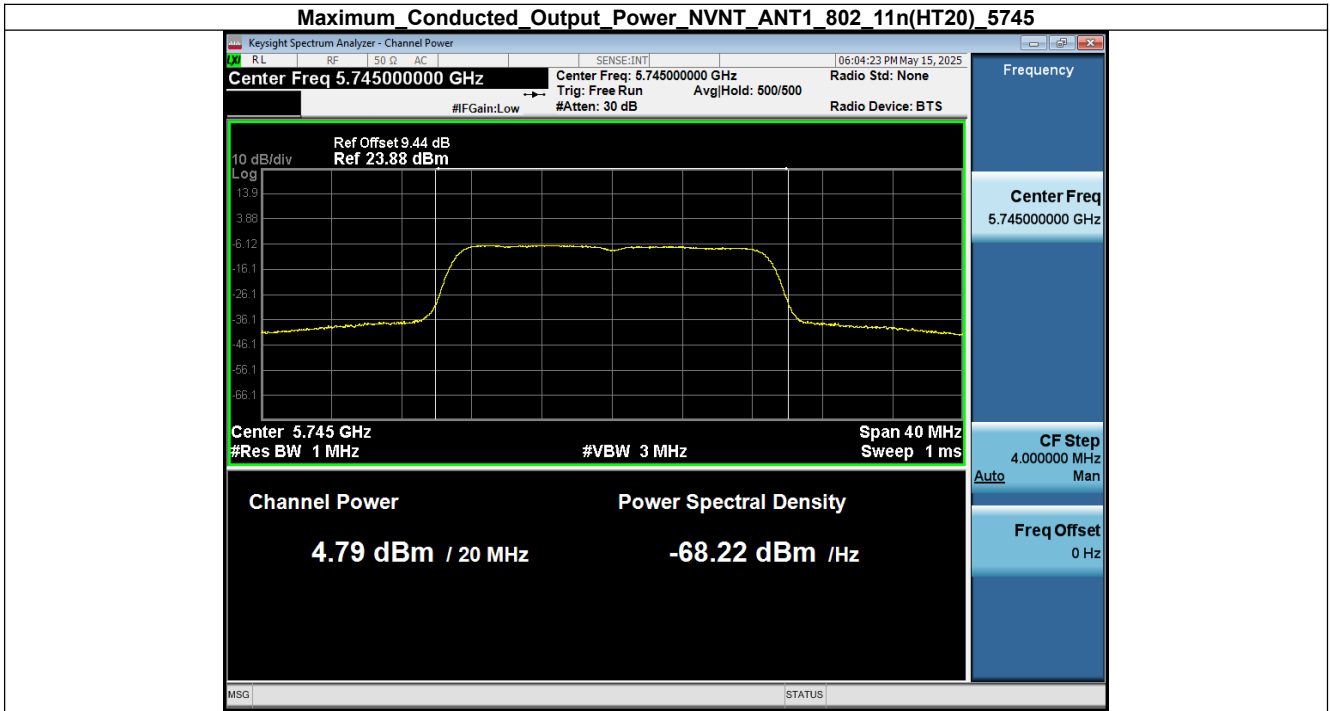
**Maximum Conducted Output Power NVNT ANT1 802 11a 5785**



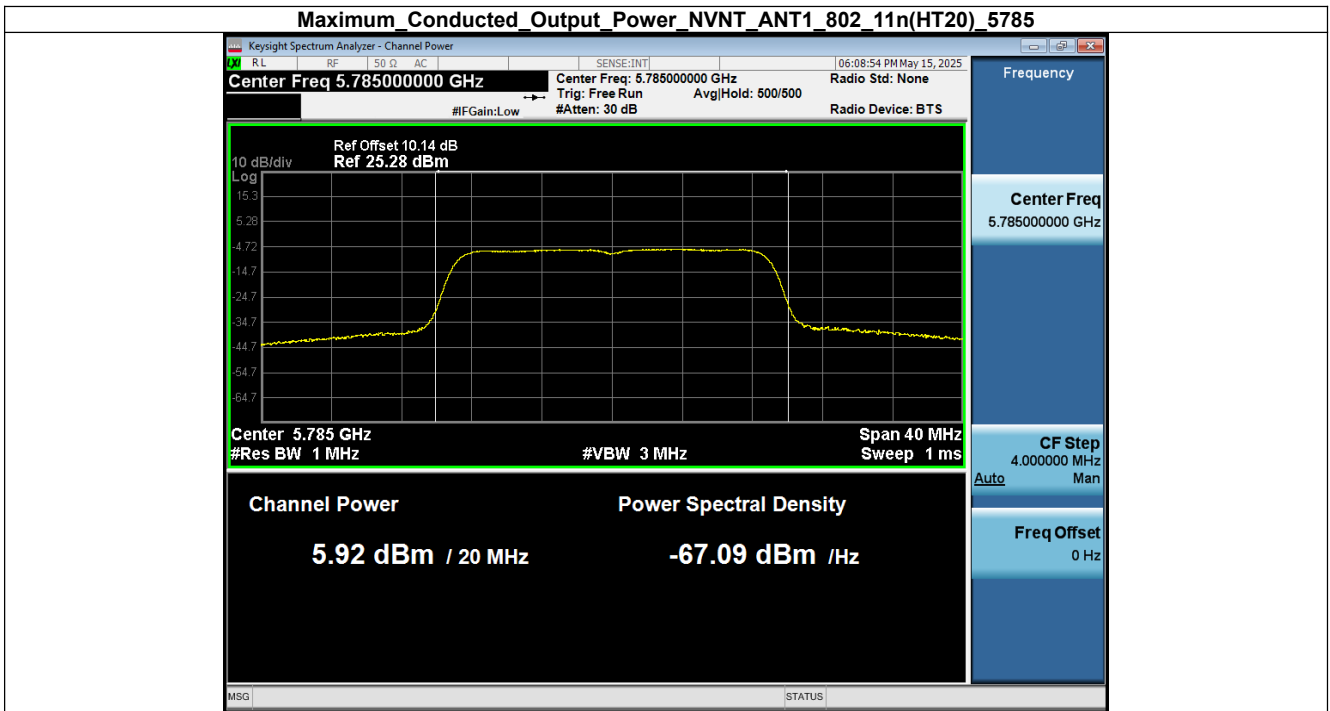
**Maximum Conducted Output Power NVNT ANT1 802 11a 5825**



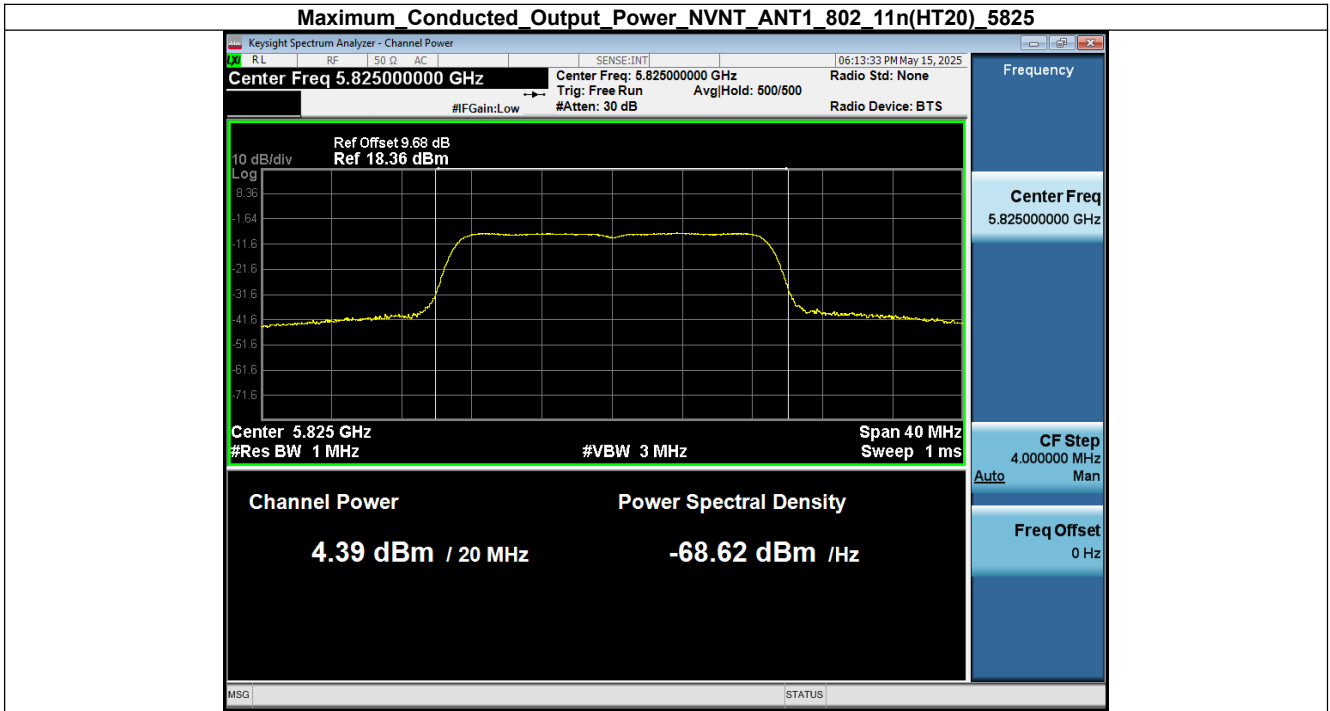
Maximum\_Conducted\_Output\_Power\_NVNT\_ANT1\_802\_11n(HT20)\_5745



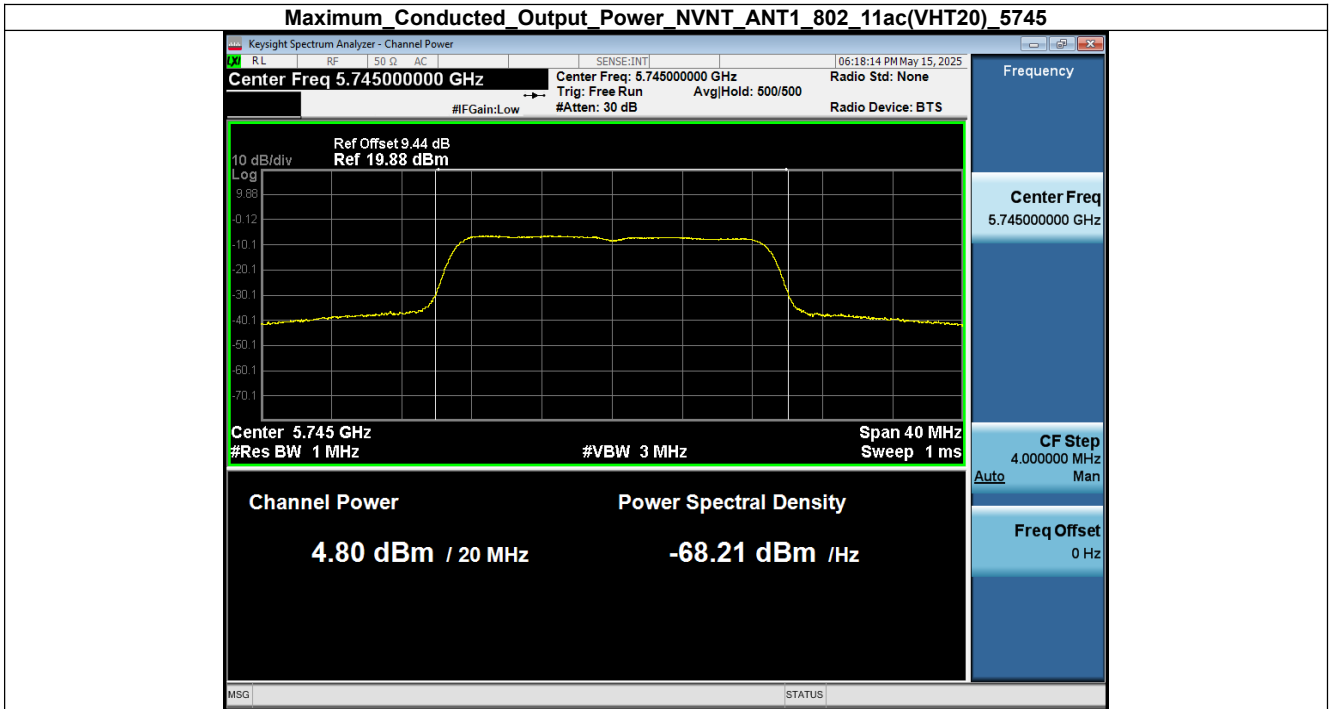
Maximum\_Conducted\_Output\_Power\_NVNT\_ANT1\_802\_11n(HT20)\_5785



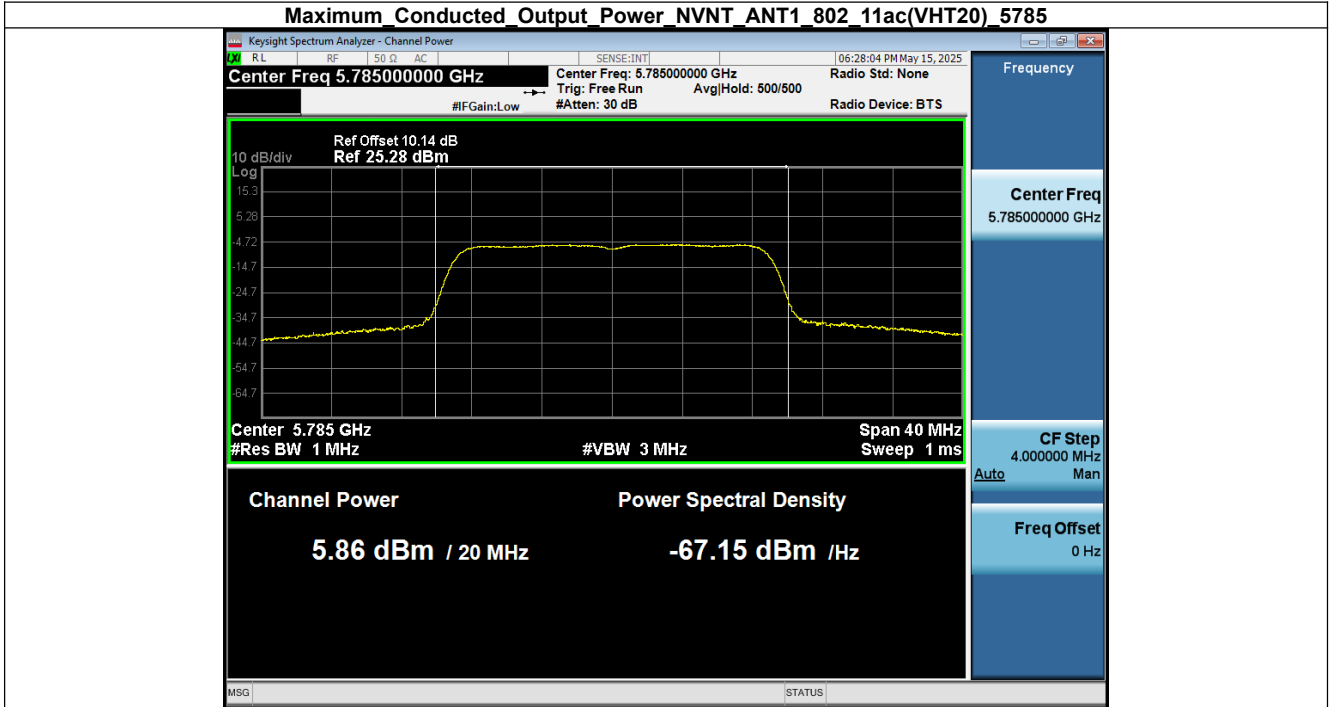
**Maximum\_Conducted\_Output\_Power\_NVNT\_ANT1\_802\_11n(HT20)\_5825**



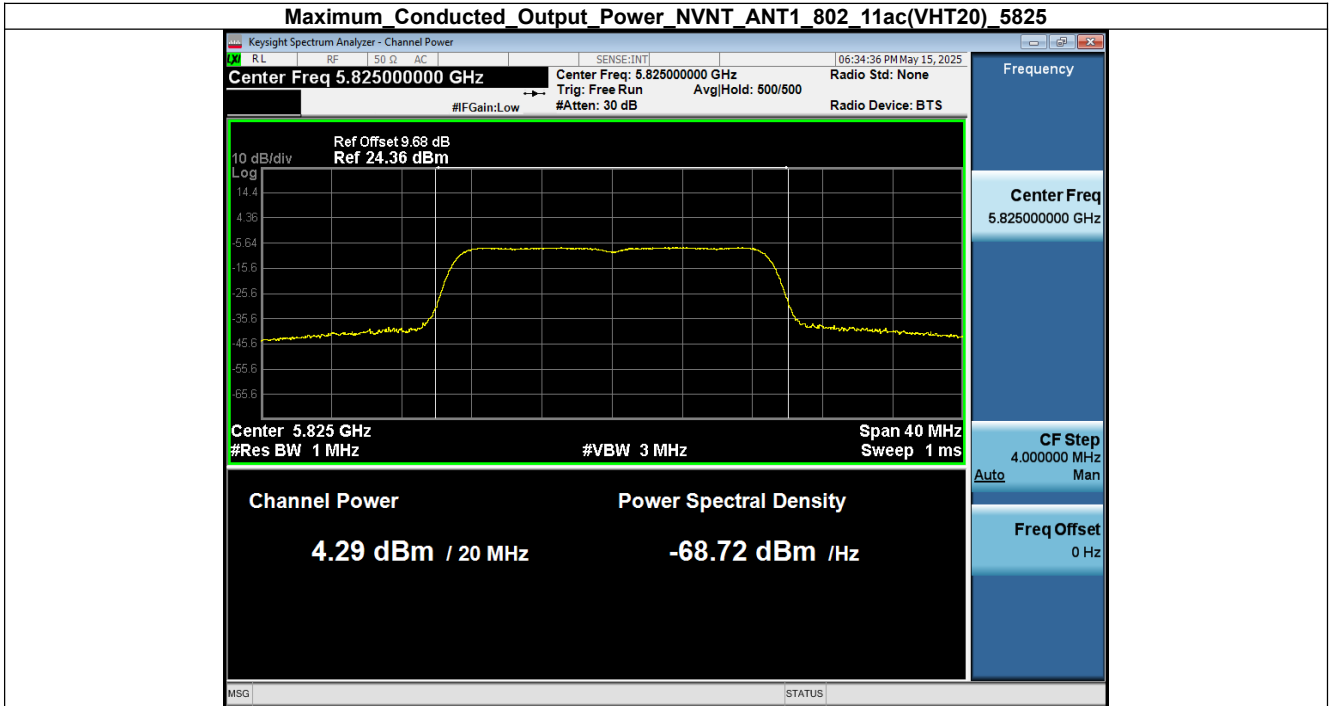
**Maximum\_Conducted\_Output\_Power\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745**



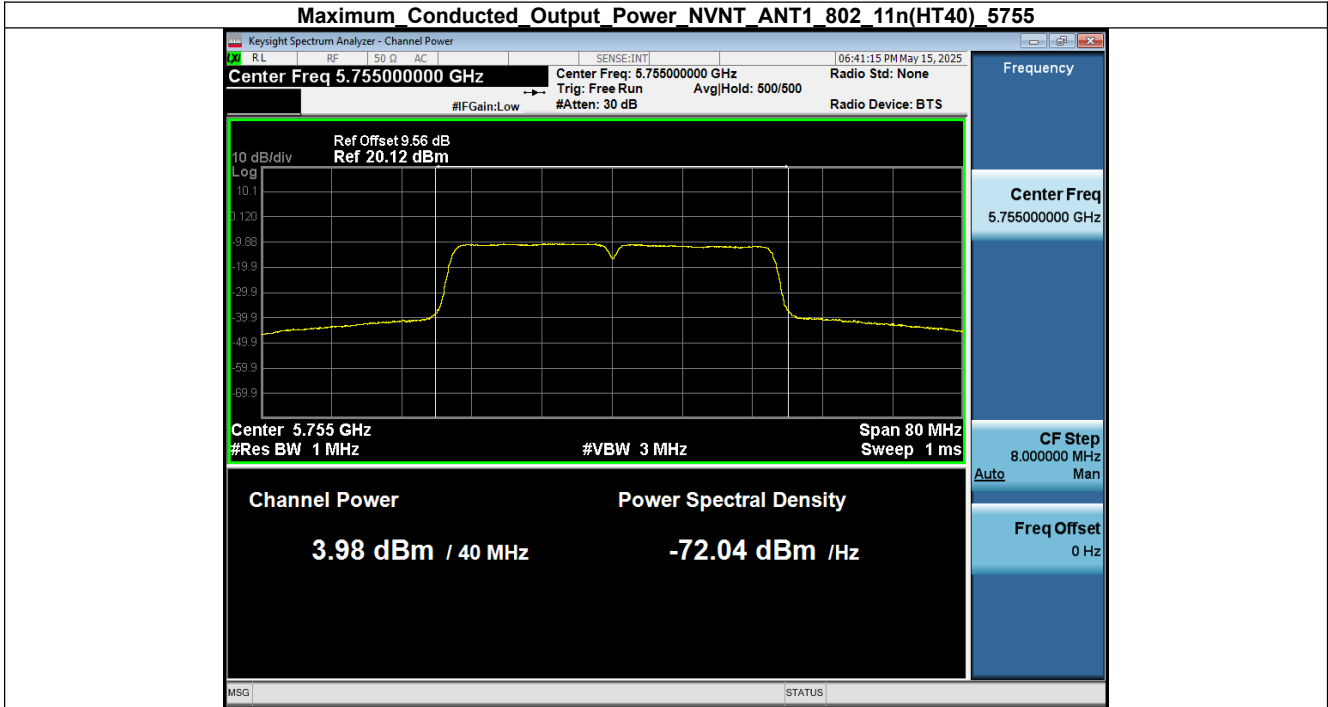
**Maximum Conducted Output Power NVNT ANT1 802 11ac(VHT20) 5785**



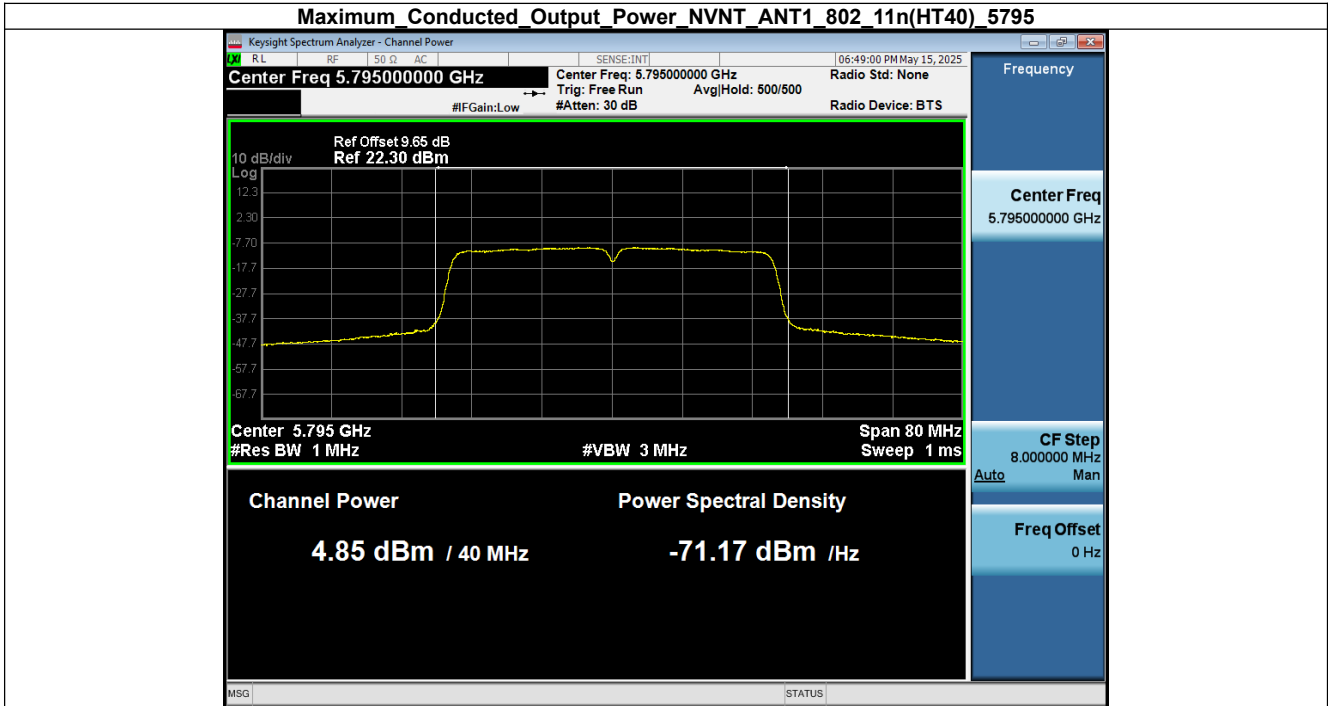
**Maximum Conducted Output Power NVNT ANT1 802 11ac(VHT20) 5825**



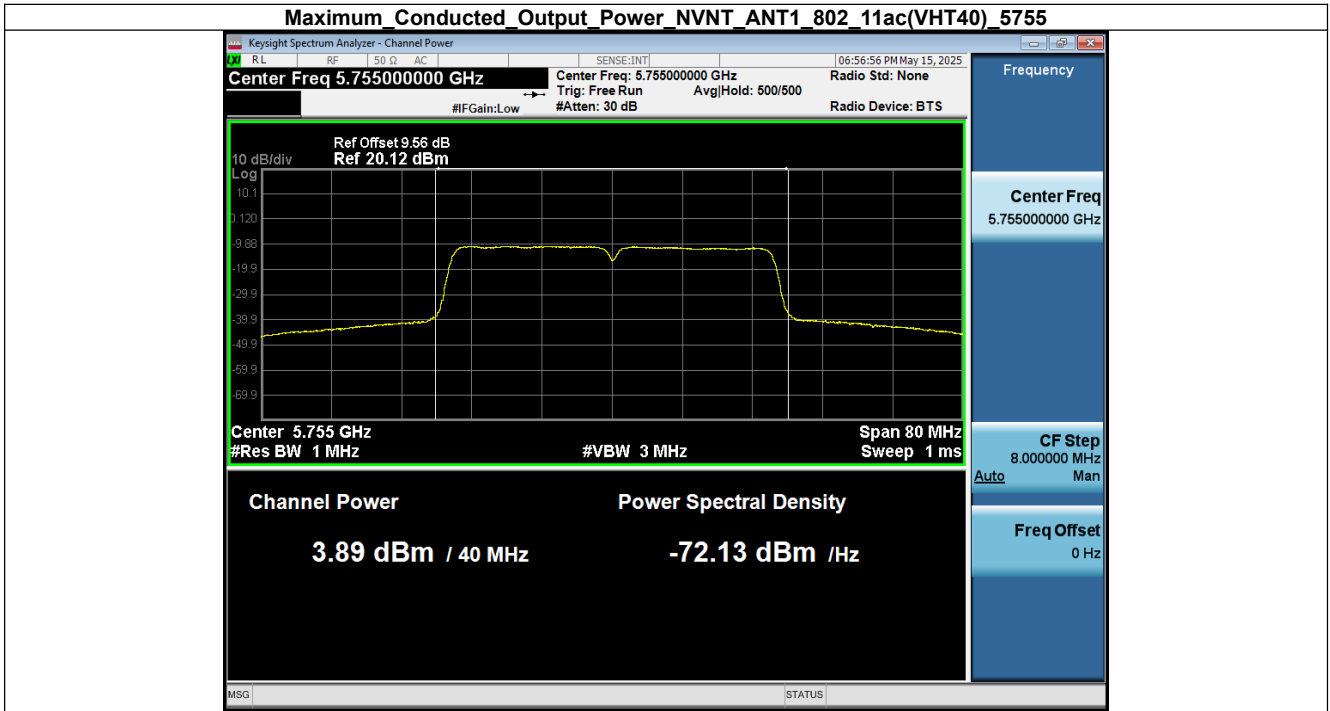
**Maximum Conducted Output Power NVNT ANT1 802 11n(HT40) 5755**



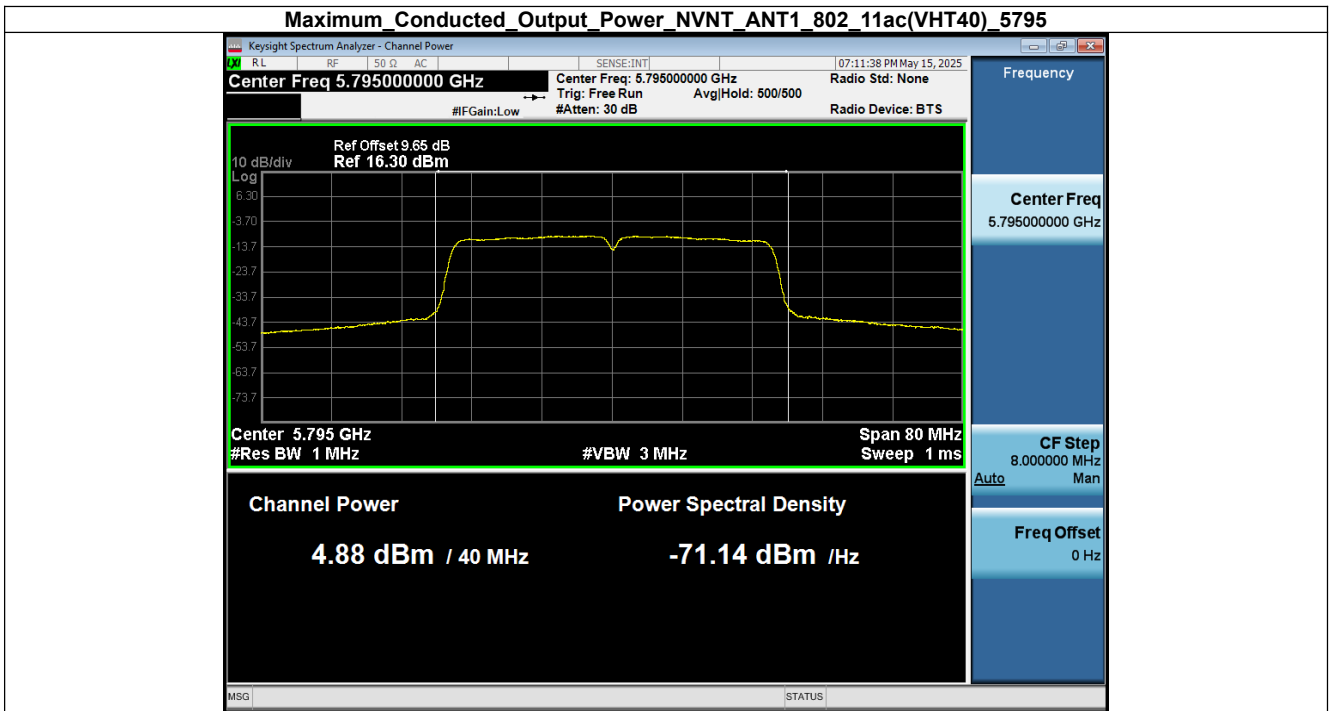
**Maximum Conducted Output Power NVNT ANT1 802 11n(HT40) 5795**



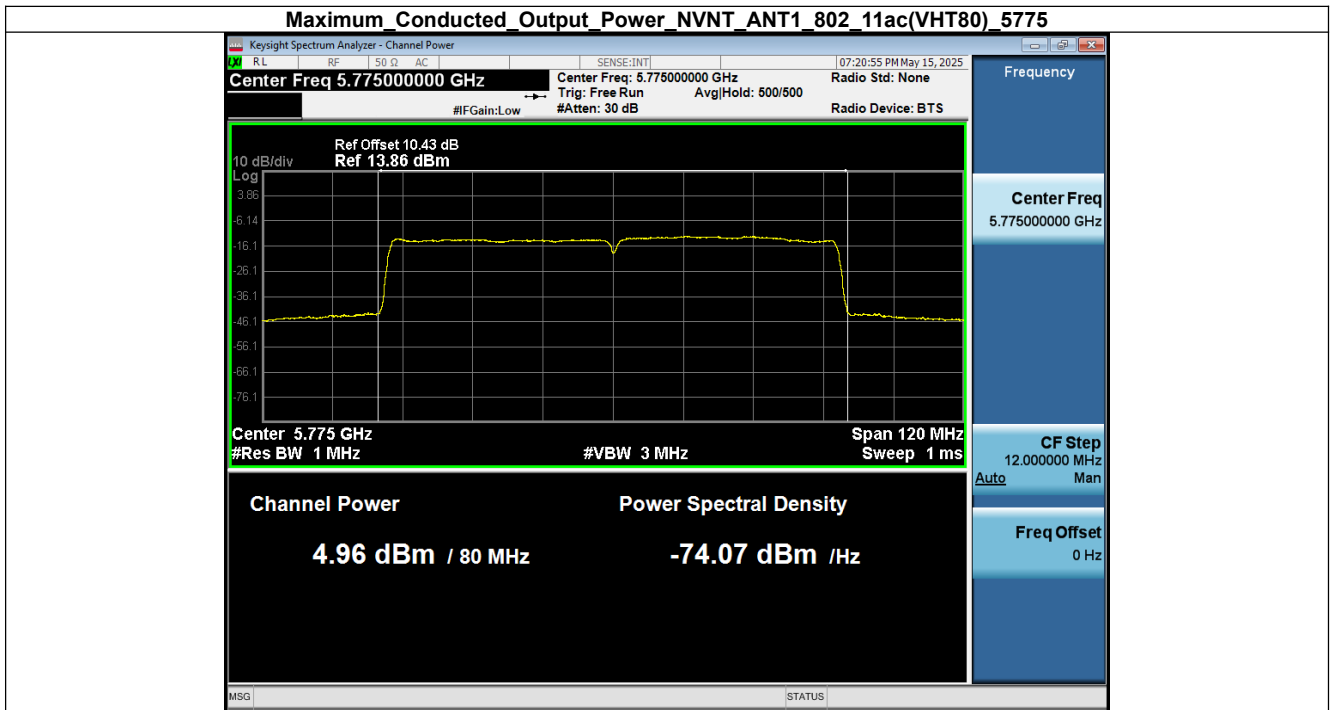
**Maximum Conducted Output Power\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755**



**Maximum Conducted Output Power\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795**



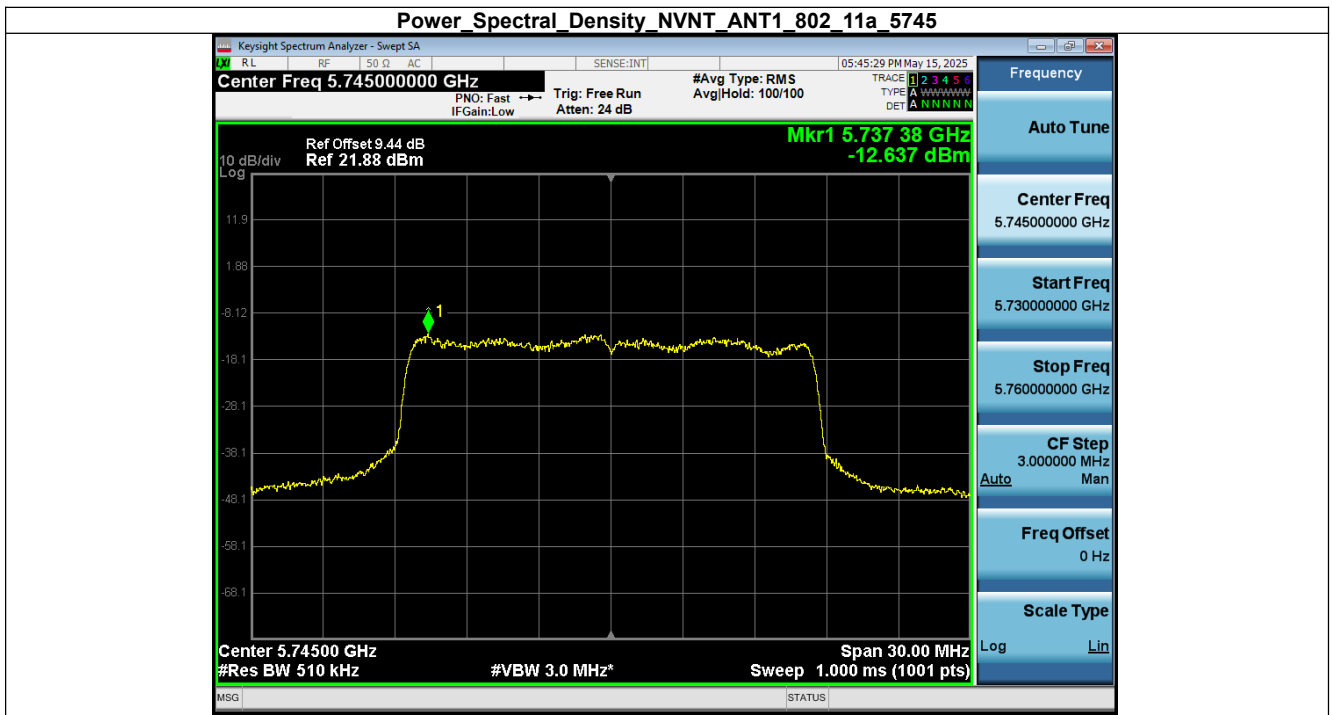


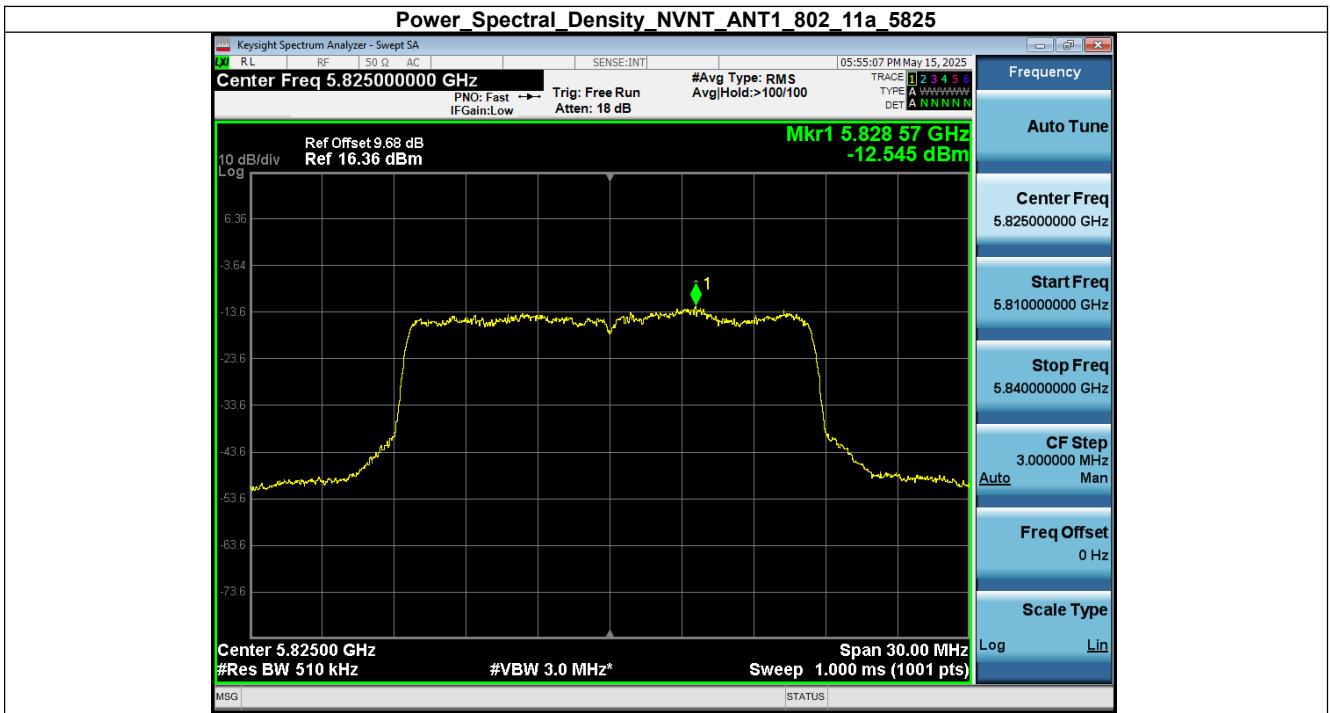
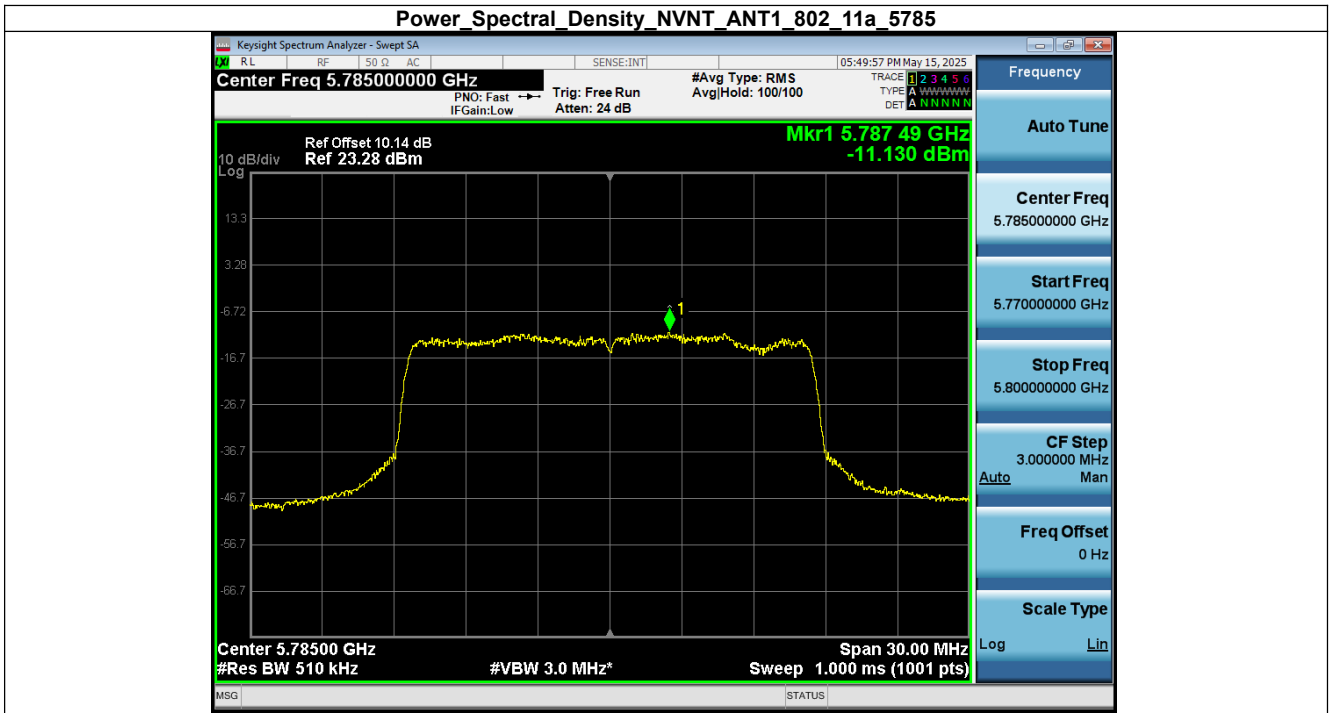


### 5. Power Spectral Density

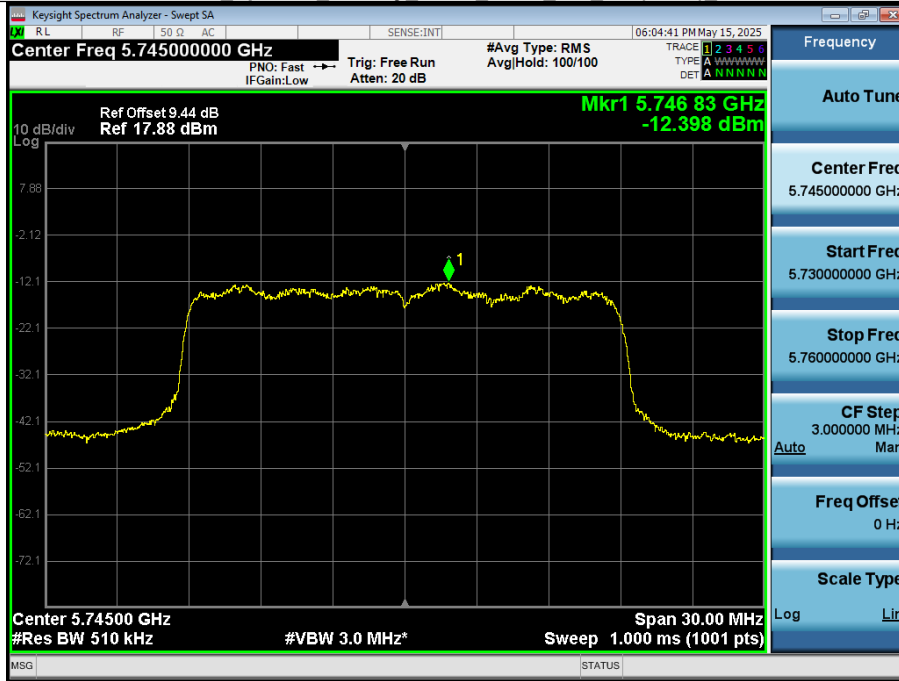
Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA(dBm/RBW)	Duty factor(dB)	RB factor(dB)	PSD(dBm/500kHz)	limit(dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-12.64	0.18	-0.09	-12.54	30	Pass
NVNT	ANT1	802.11a	5785.00	-11.13	0.12	-0.09	-11.10	30	Pass
NVNT	ANT1	802.11a	5825.00	-12.54	0.18	-0.09	-12.45	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-12.40	0.22	-0.09	-12.26	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-11.05	0.22	-0.09	-10.92	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-13.52	0.22	-0.09	-13.39	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-12.52	0.22	-0.09	-12.38	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-11.33	0.21	-0.09	-11.20	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-13.20	0.22	-0.09	-13.06	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-17.85	0.43	-0.09	-17.51	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-16.15	0.43	-0.09	-15.81	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-17.51	0.43	-0.09	-17.17	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-16.36	0.43	-0.09	-16.02	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-22.93	0.79	-0.09	-22.23	30	Pass

Note: PSD(dBm/500kHz)=PSD\_SA(dBm/RBW)+Duty factor(dB)+RB factor(dB)

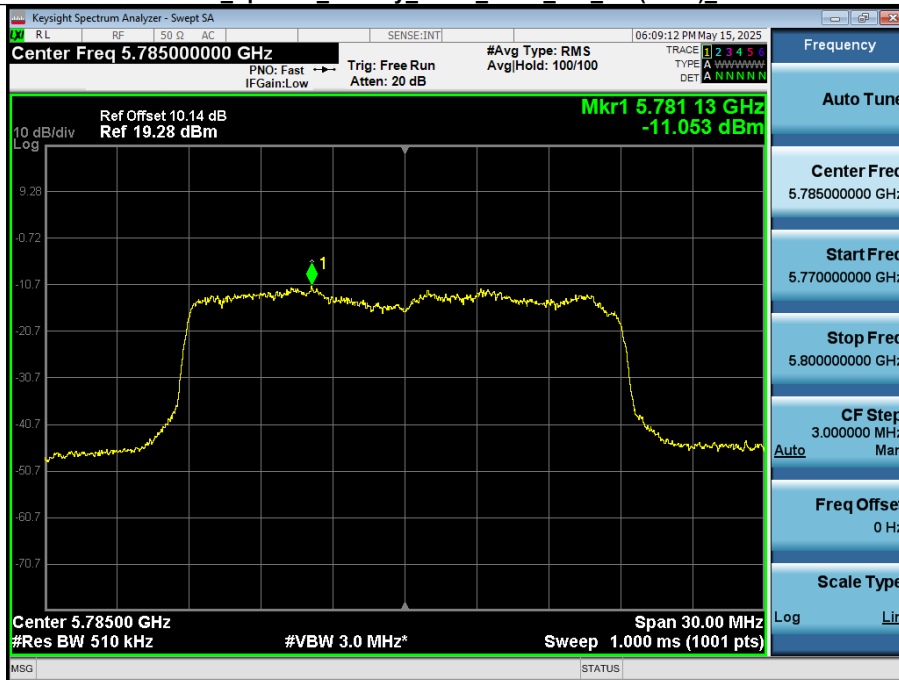




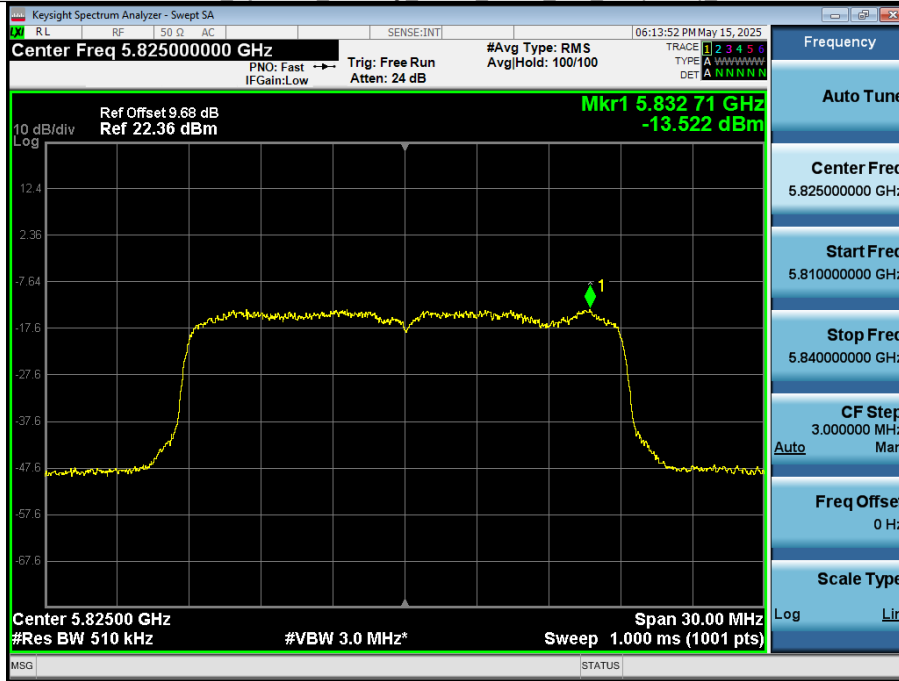
Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT20)\_5745



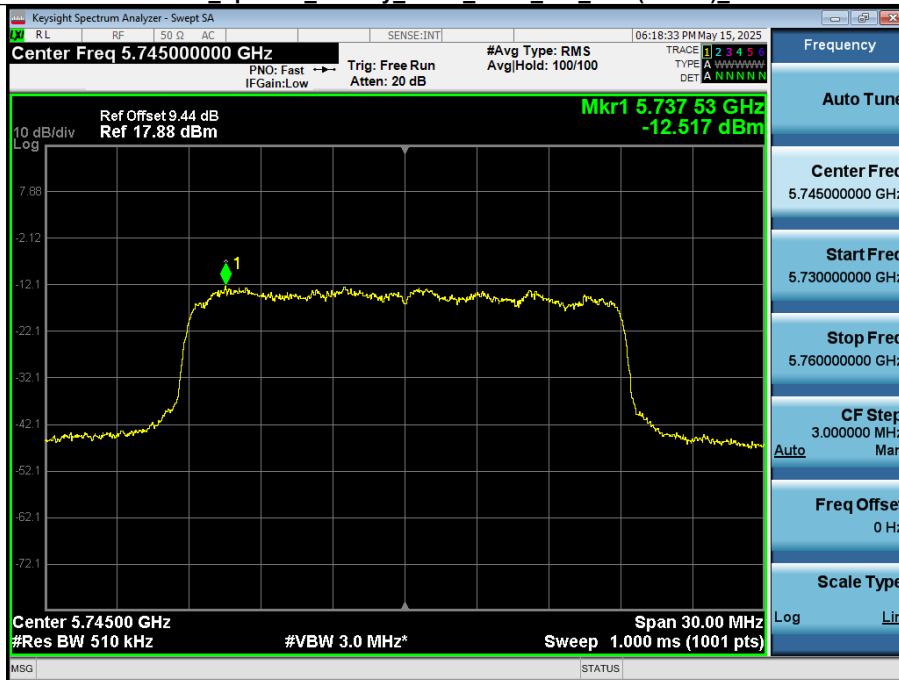
Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT20)\_5785

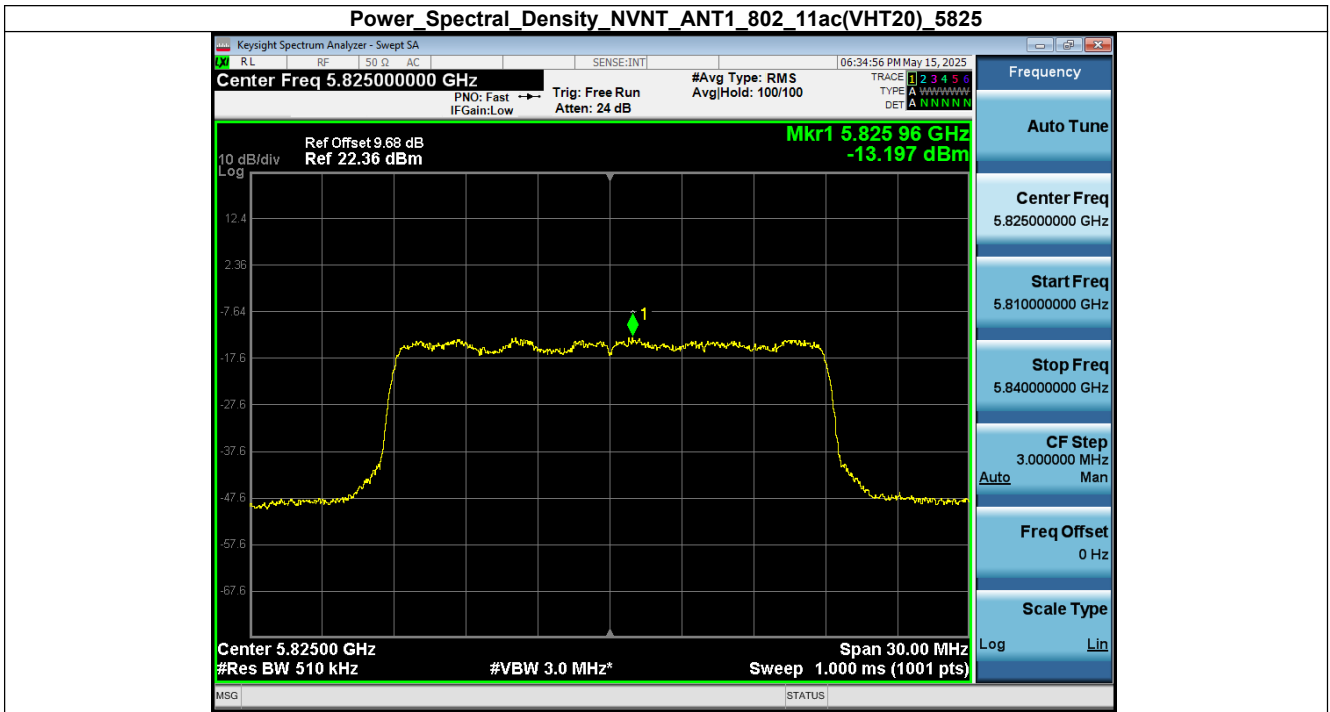
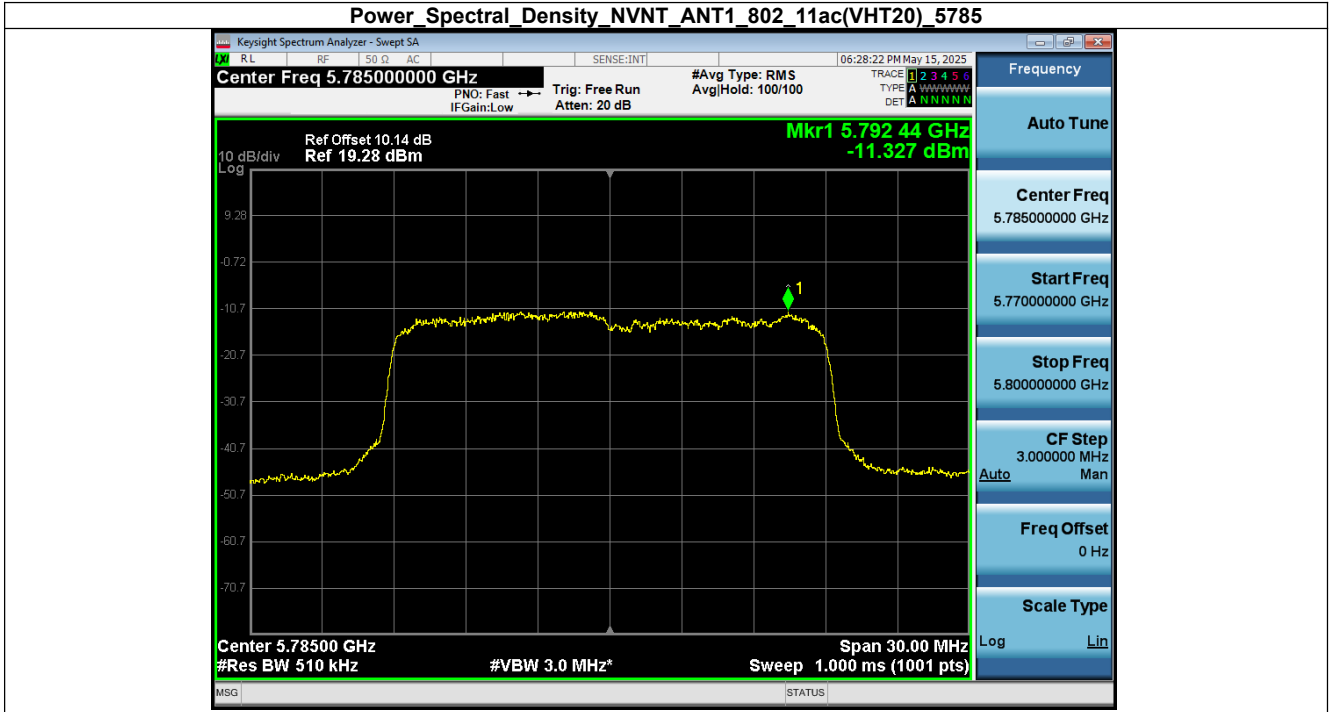


Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT20)\_5825

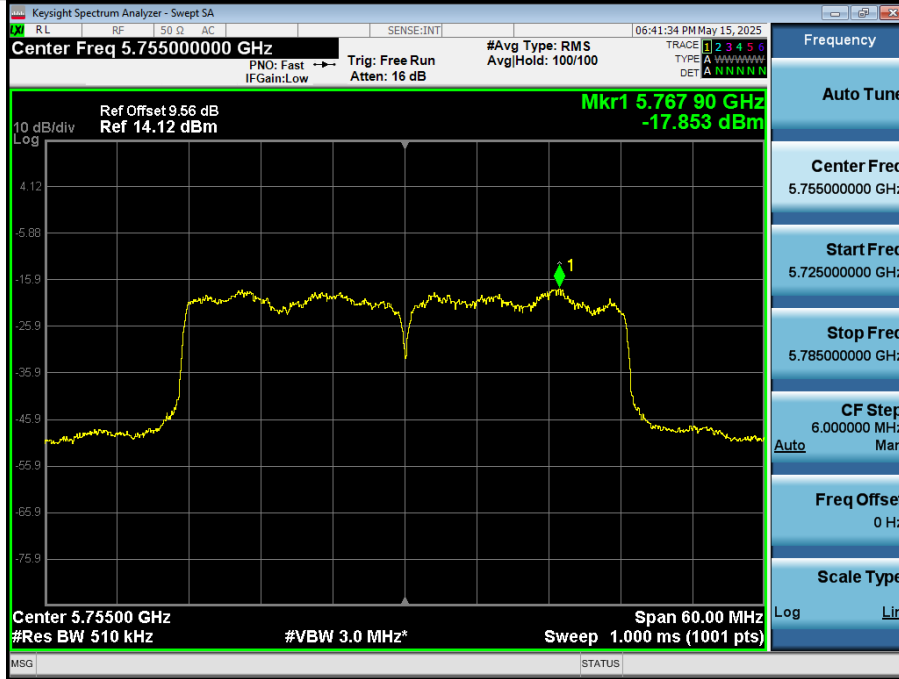


Power Spectral Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745

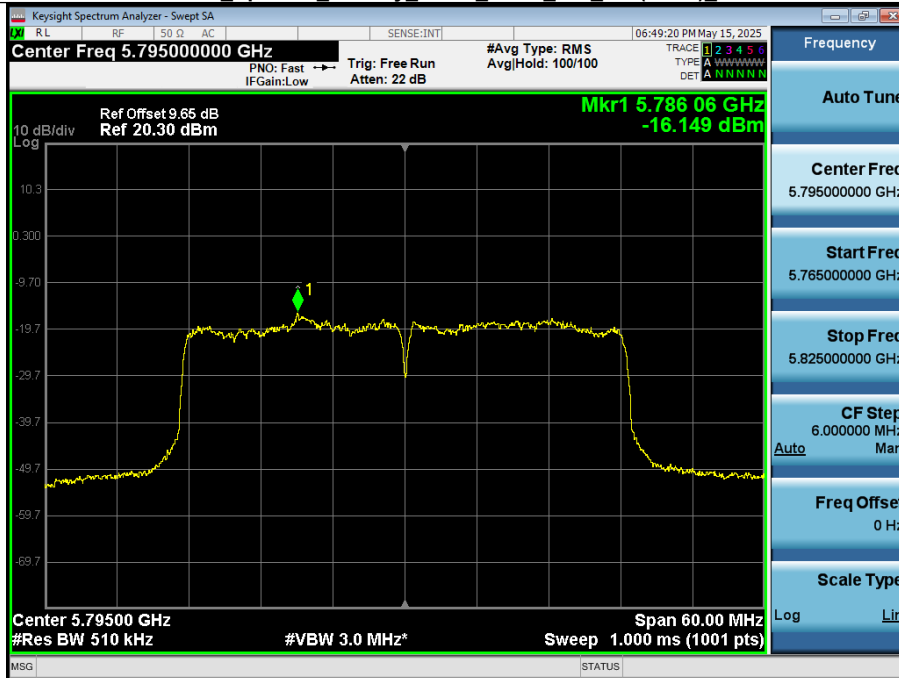


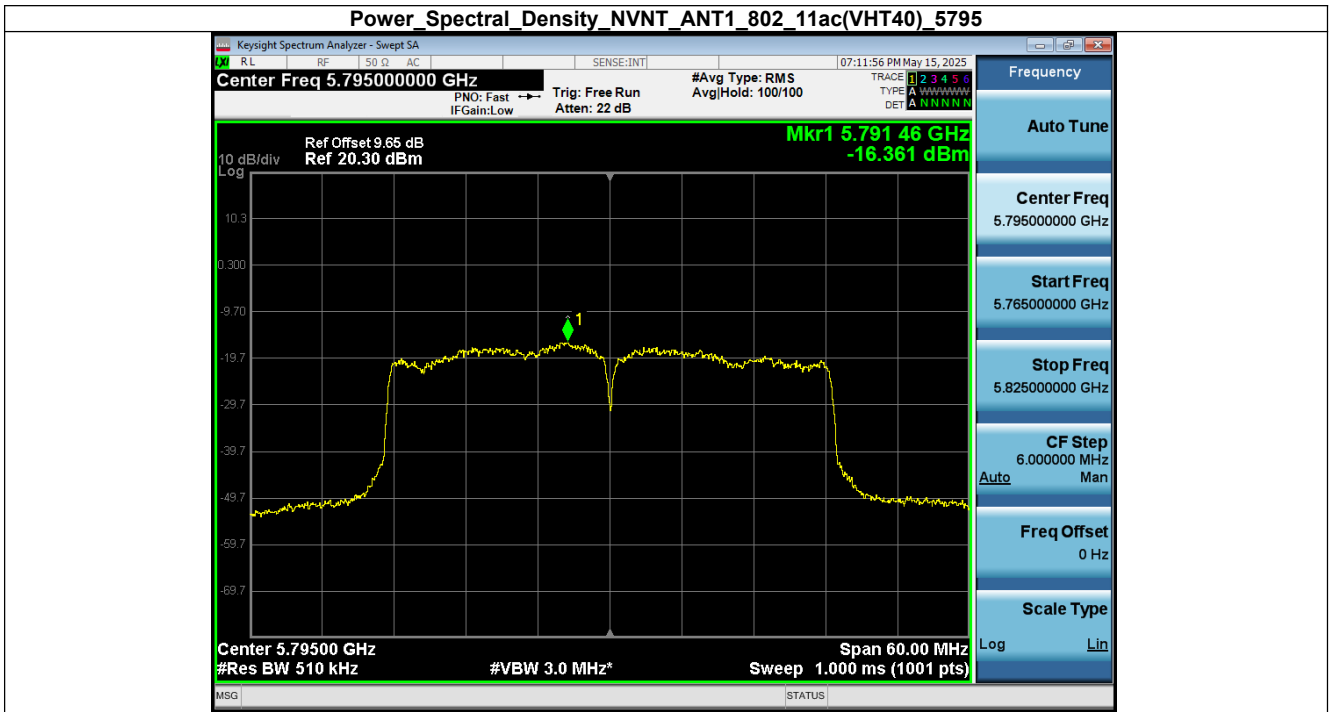
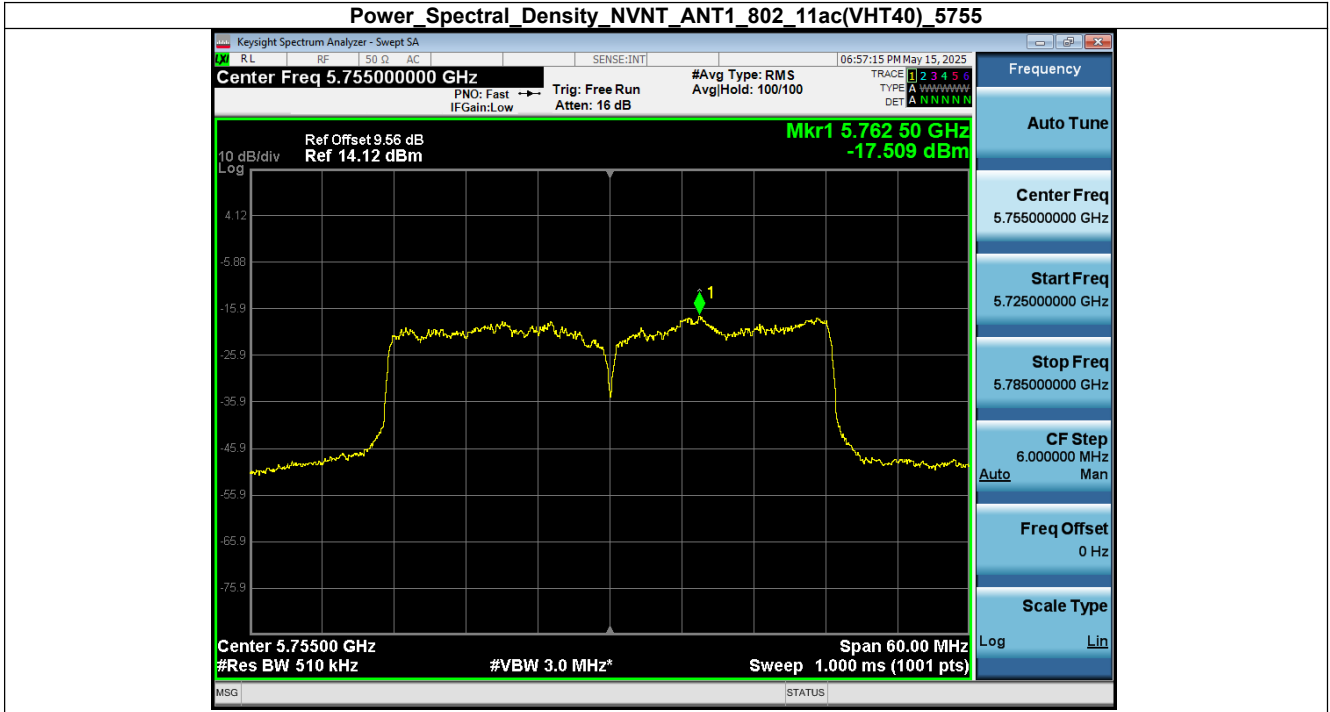


Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT40)\_5755

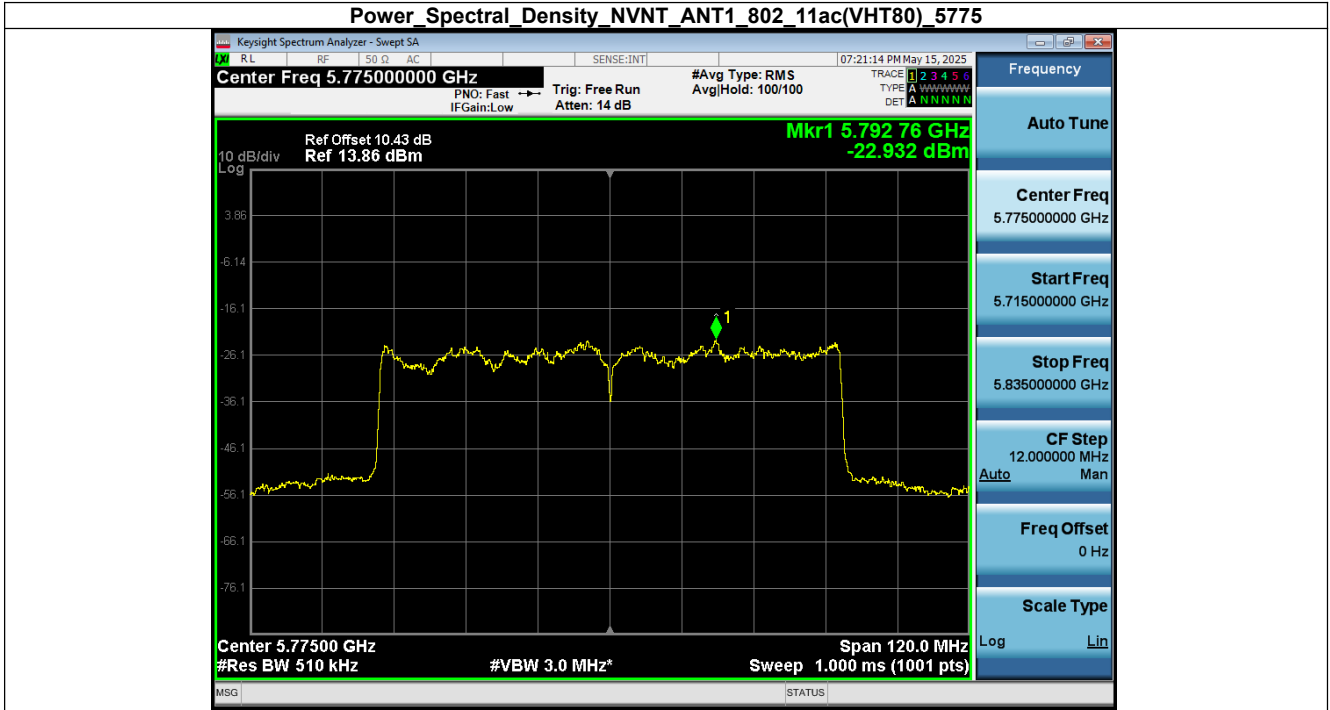


Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT40)\_5795









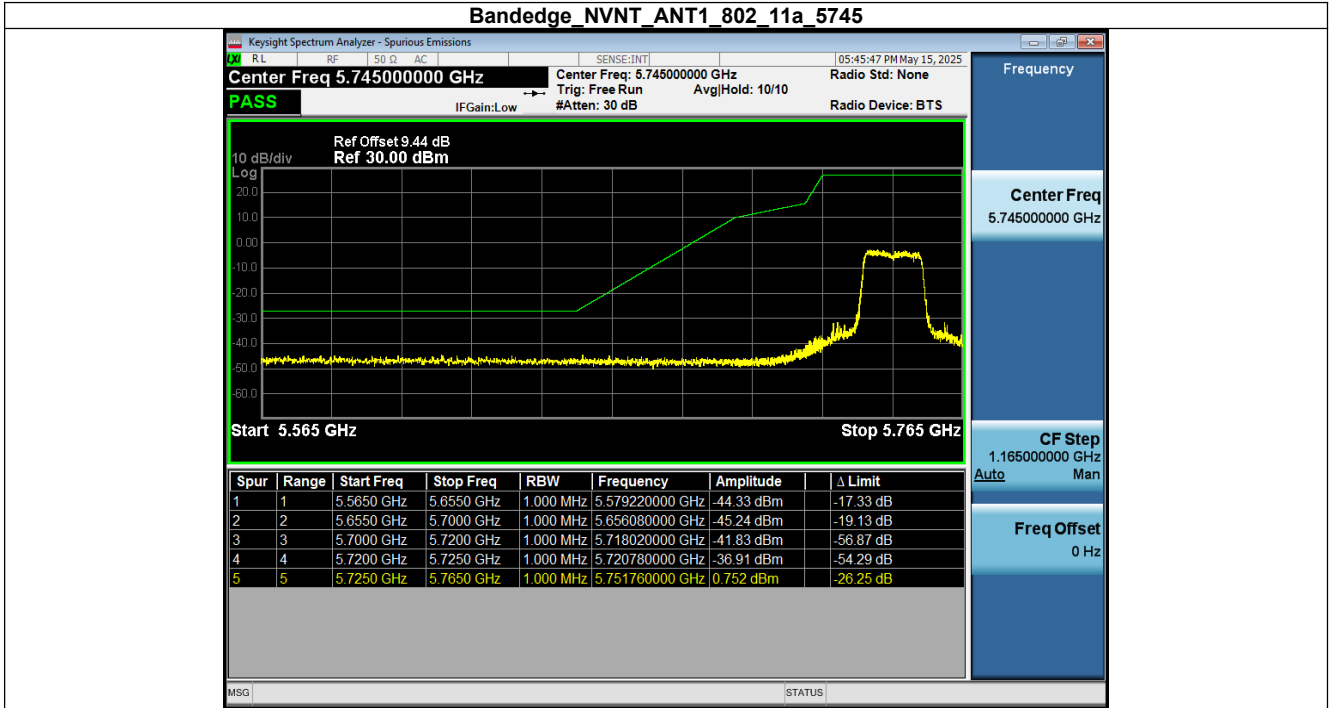


### 6. Bandedge

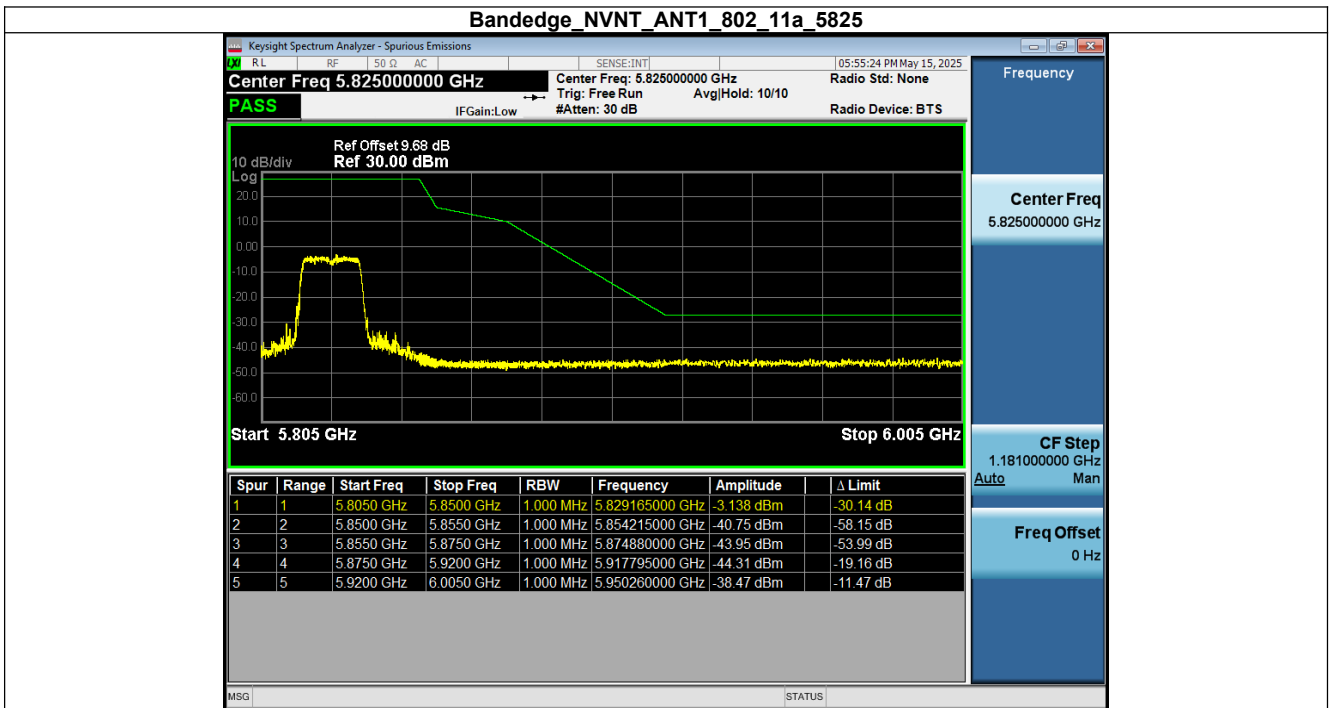
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5579.220	-44.33	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5656.080	-45.24	-26.11	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5718.020	-41.83	15.05	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5720.780	-36.91	17.38	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.215	-40.75	17.39	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5874.880	-43.95	10.03	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5917.795	-44.31	-25.19	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5950.260	-38.47	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5583.090	-44.41	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5655.045	-45.28	-26.96	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5718.020	-39.54	15.05	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5724.090	-34.26	24.93	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5851.210	-39.58	24.24	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5861.940	-44.27	13.66	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5919.010	-44.77	-26.19	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5948.475	-40.19	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5594.250	-43.82	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5658.150	-44.95	-24.41	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5719.160	-39.75	15.36	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5720.940	-35.99	17.74	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5852.375	-40.13	21.59	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5871.880	-44.25	10.87	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5919.505	-44.70	-26.59	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5960.715	-40.33	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5633.640	-43.66	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5674.080	-44.98	-11.31	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5718.460	-39.09	15.17	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5721.060	-38.32	18.02	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.470	-44.13	16.81	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5874.600	-44.31	10.11	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5915.140	-44.74	-23.00	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5937.150	-40.02	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5599.980	-44.46	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5655.990	-44.93	-26.19	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5715.000	-40.87	14.20	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5722.875	-38.53	22.16	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.915	-44.20	15.79	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5870.740	-44.41	11.19	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5912.575	-44.48	-20.89	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5931.760	-39.88	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5650.065	-43.19	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5665.440	-43.13	-18.42	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5719.400	-39.37	15.43	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5720.430	-38.78	16.58	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5853.995	-41.23	17.89	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5859.760	-41.46	14.27	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5917.750	-43.68	-25.15	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5920.135	-38.30	-27.00	Pass

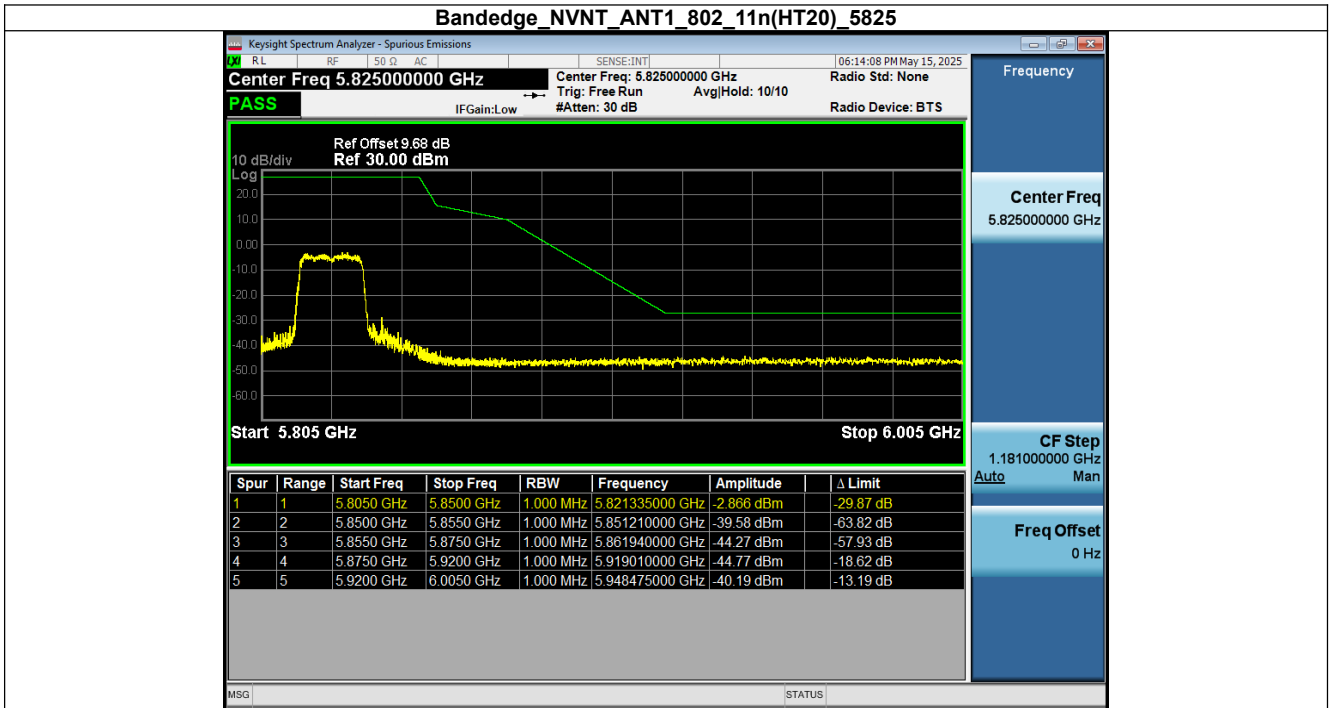
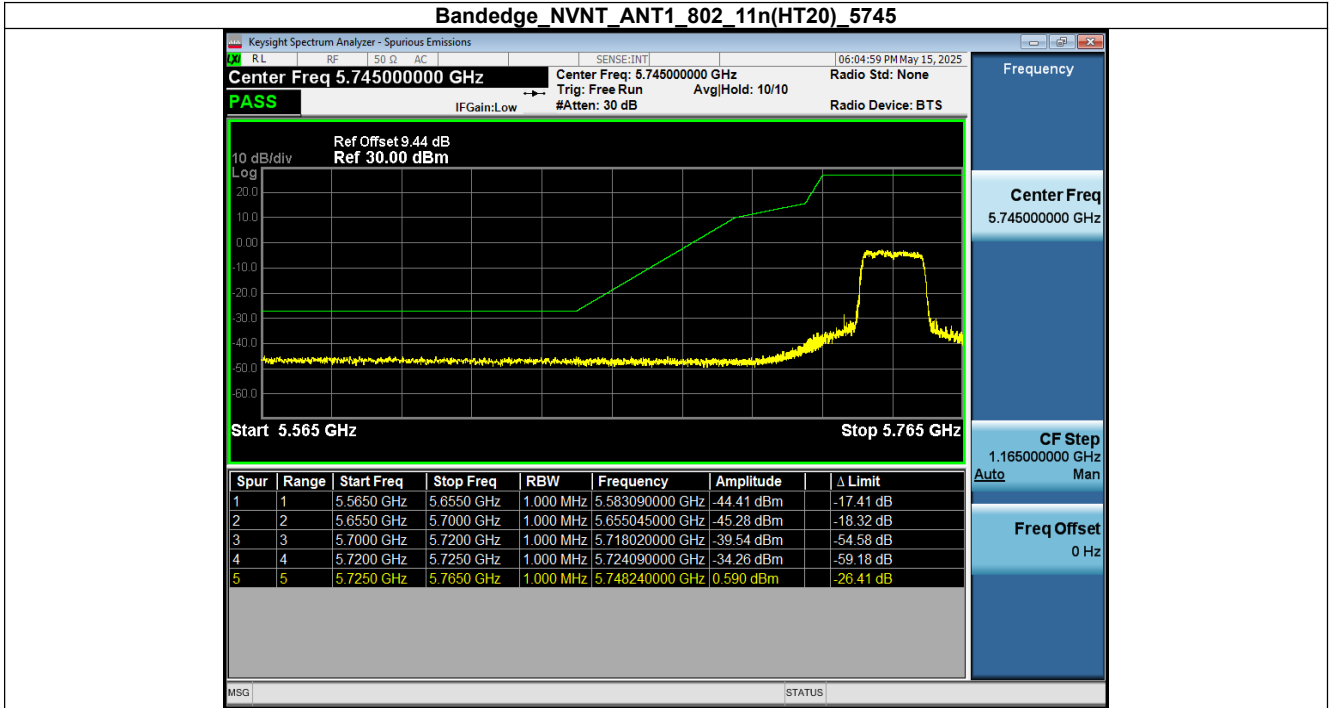
Note:The test diagram has integrated antenna gain to Offset Settings.

**Bandedge\_NVNT\_ANT1\_802\_11a\_5745**

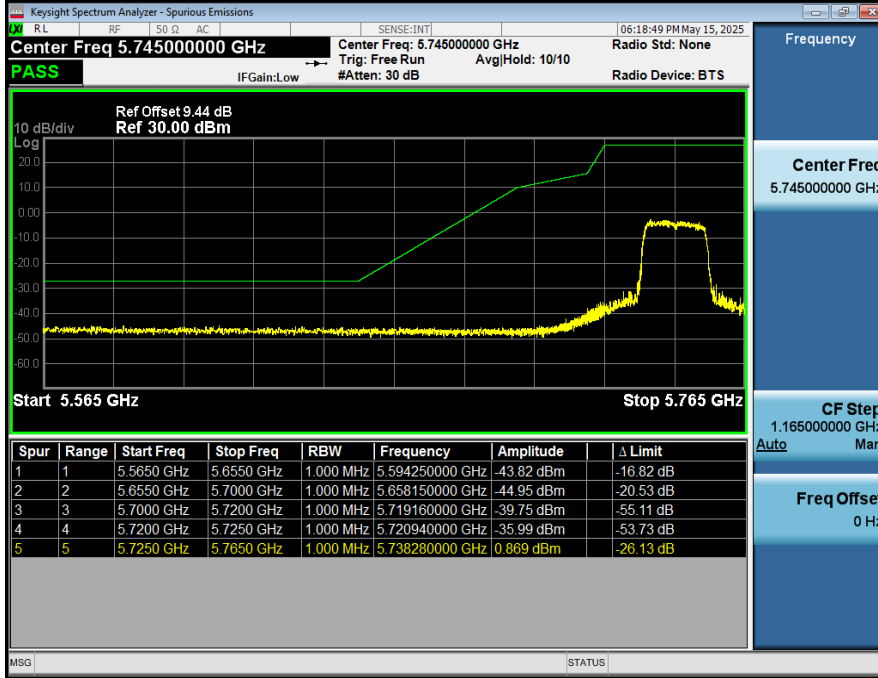


**Bandedge\_NVNT\_ANT1\_802\_11a\_5825**

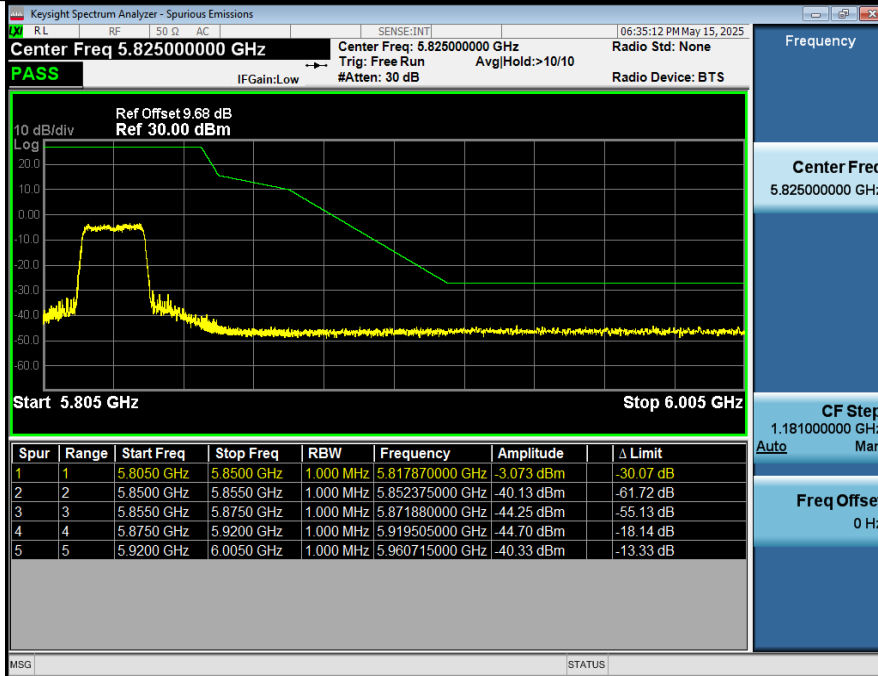


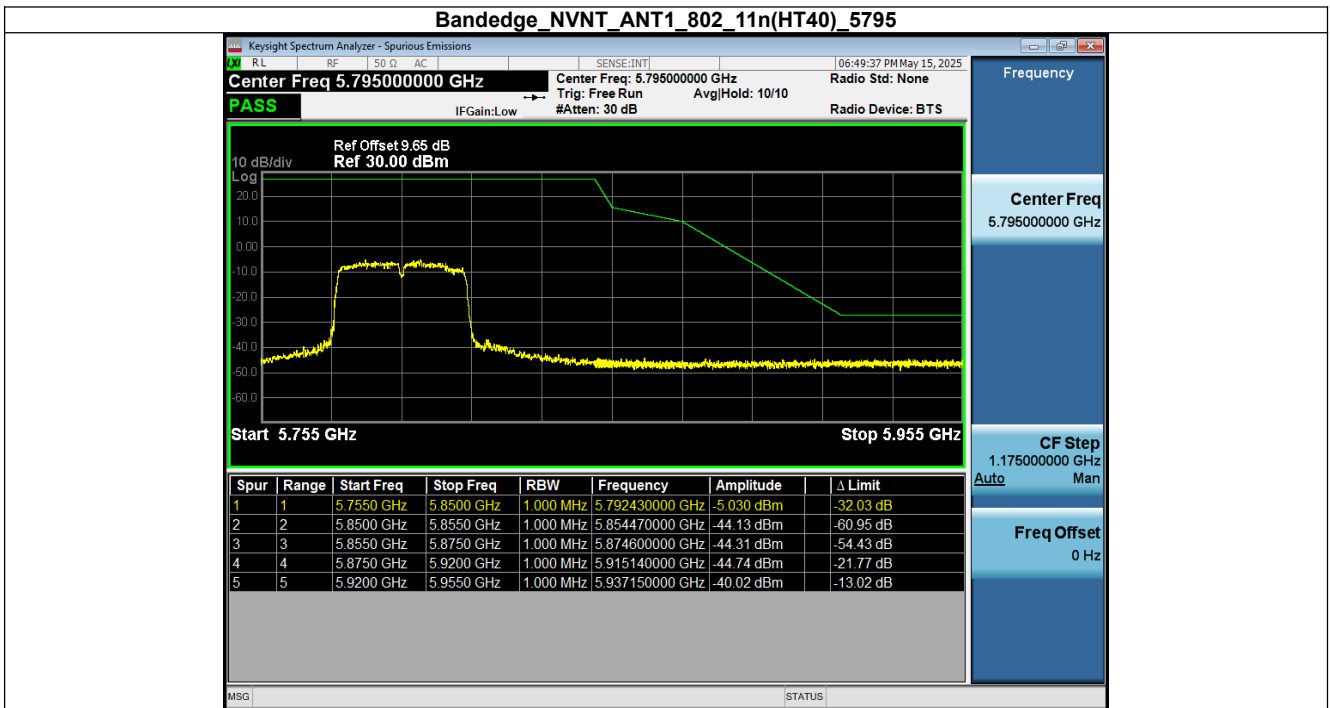
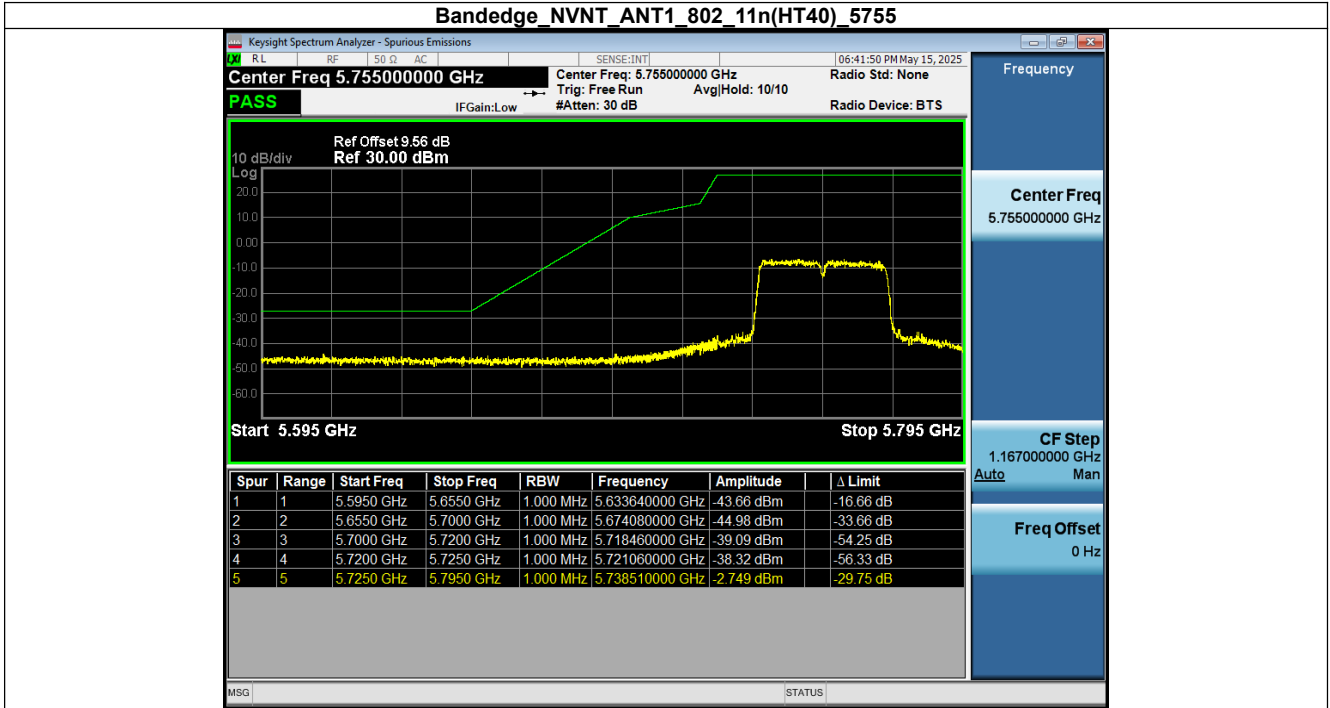


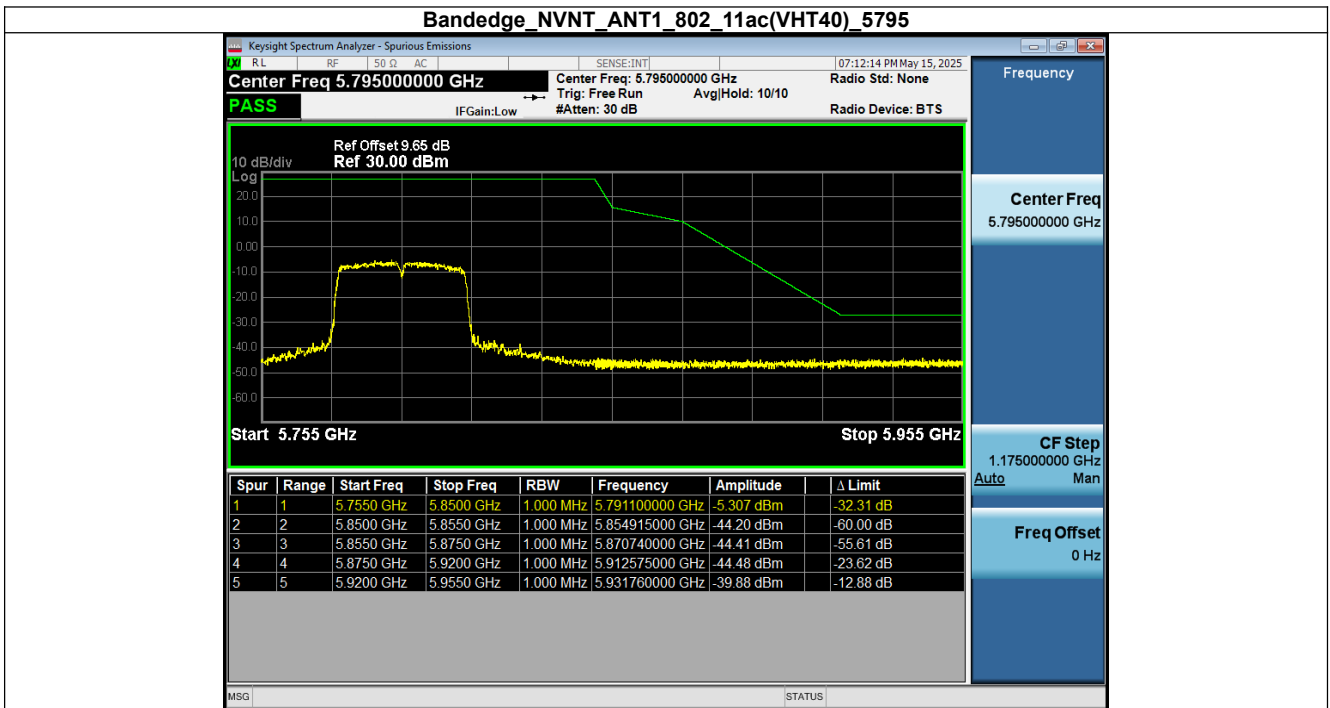
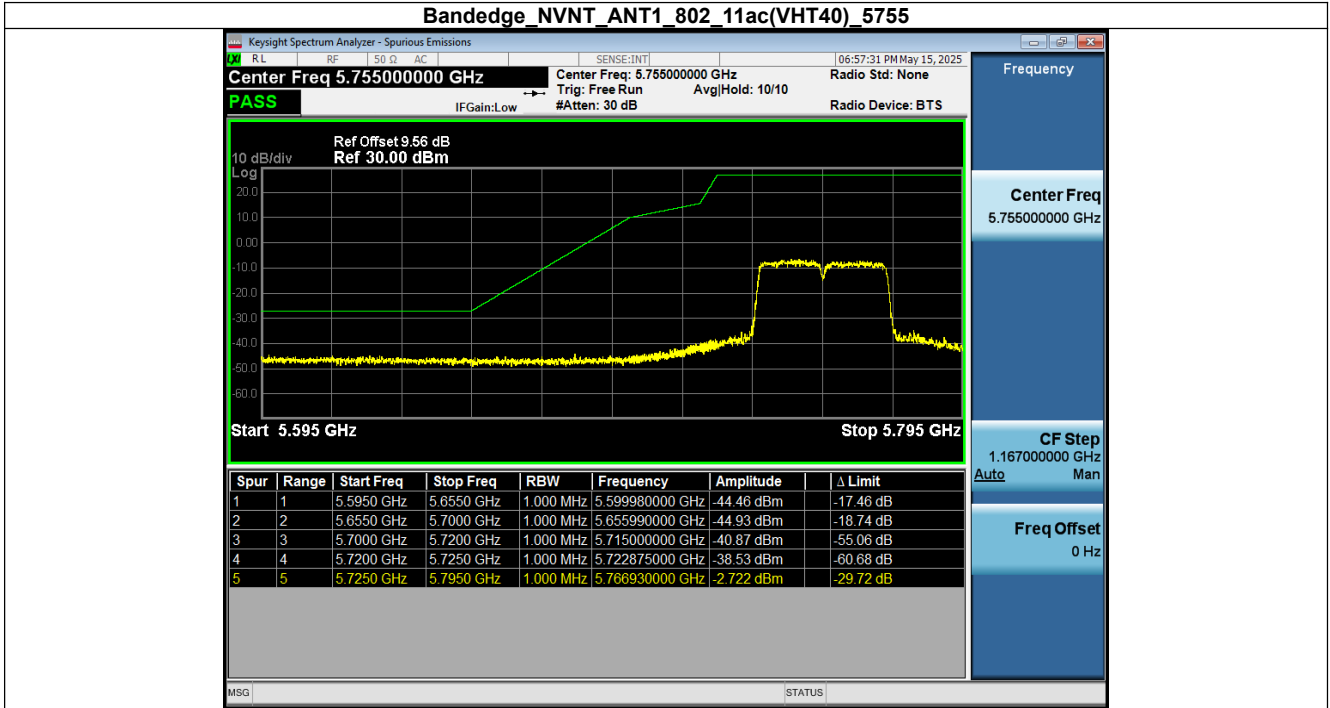
**Bandedge\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745**



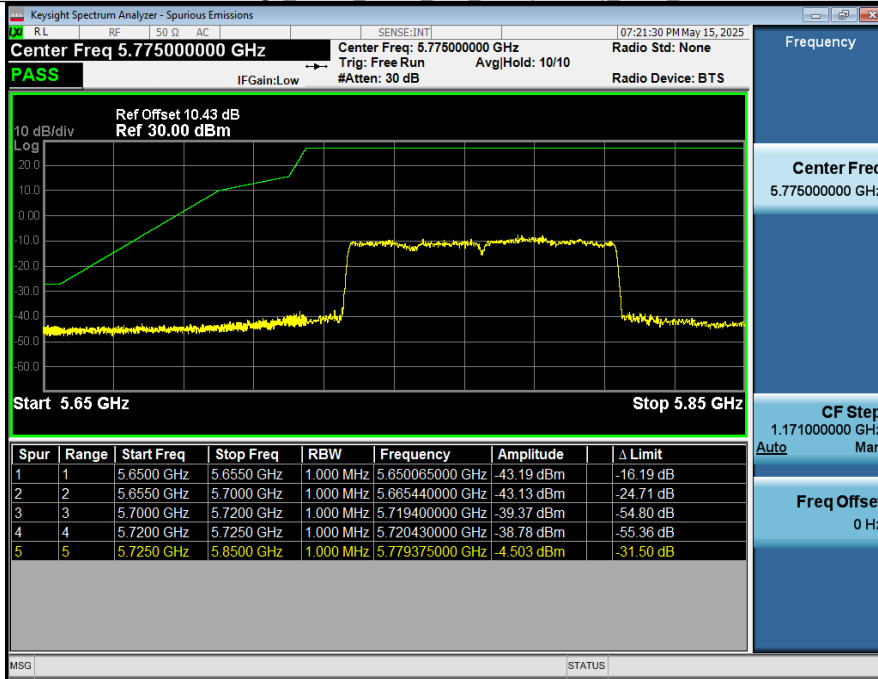
**Bandedge\_NVNT\_ANT1\_802\_11ac(VHT20)\_5825**



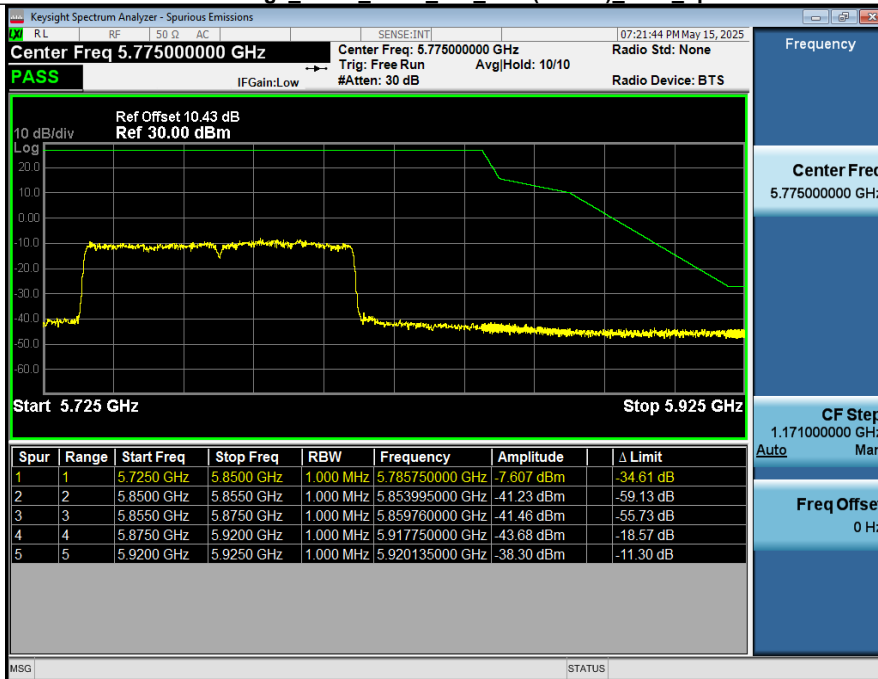




**Bandedge\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775\_low**



**Bandedge\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775\_up**





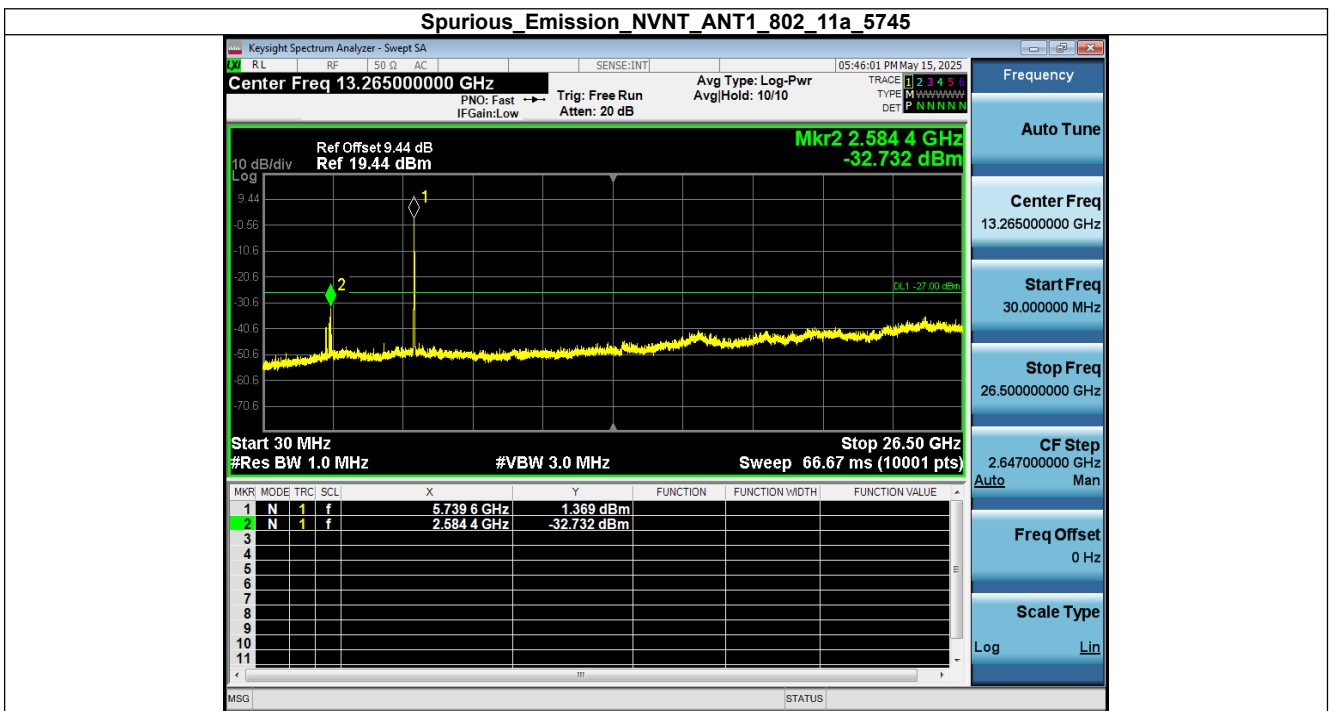


## 7. Spurious Emission

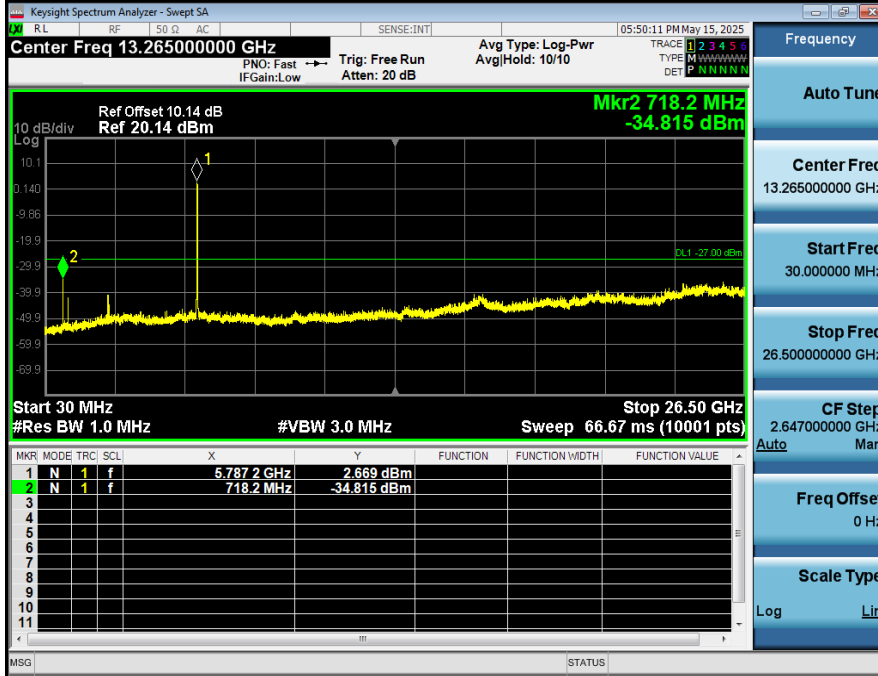
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	2584.36	-32.73	-27	Pass
NVNT	ANT1	802.11a	5785.00	718.22	-34.82	-27	Pass
NVNT	ANT1	802.11a	5825.00	25036.21	-36.92	-27	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	25753.55	-37.14	-27	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	2470.53	-35.33	-27	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	24938.27	-35.92	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	723.51	-35.50	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	707.63	-27.63	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	715.57	-33.11	-27	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	25692.67	-37.37	-27	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	704.99	-32.17	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	728.81	-32.05	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	723.51	-30.40	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	25097.09	-36.40	-27	Pass

Note:1. The antenna gain is compensated in the test data.

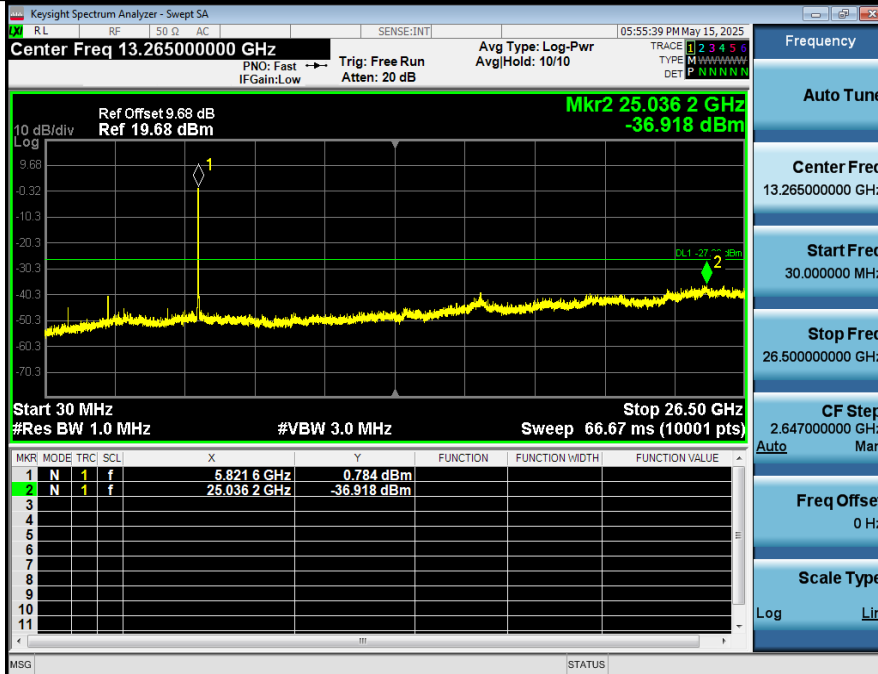
2.26.5GHz-40GHz the Spurious leve margin is the largest, so the test data only reflects 30MHz-26.5GHz



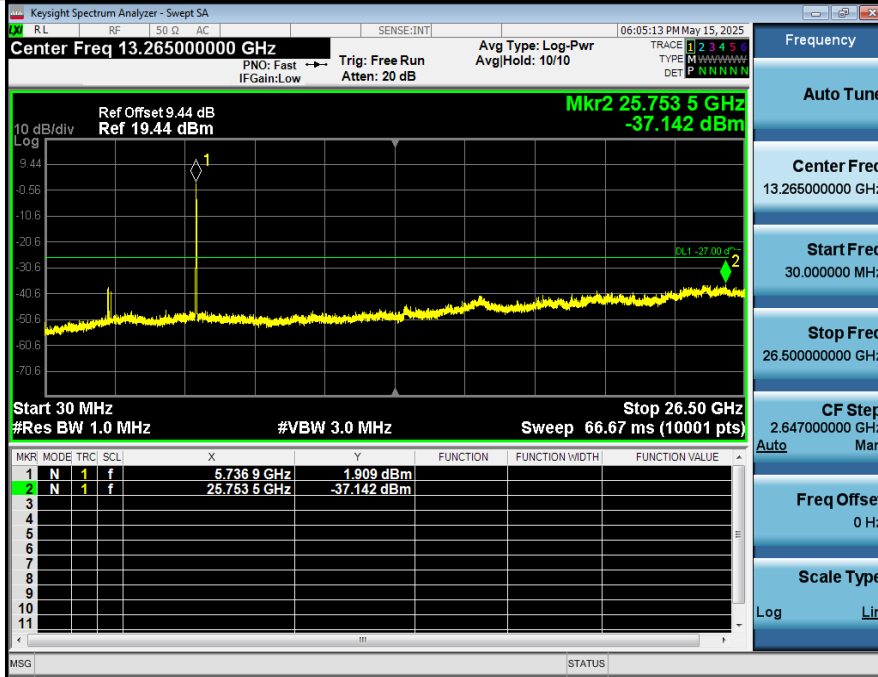
Spurious Emission\_NVNT\_ANT1\_802\_11a\_5785



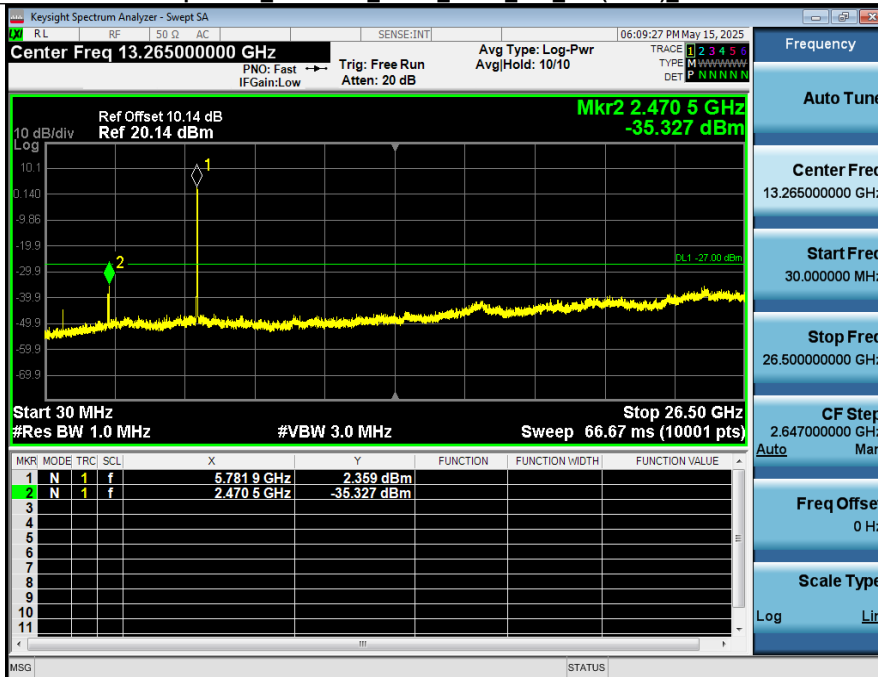
Spurious Emission\_NVNT\_ANT1\_802\_11a\_5825



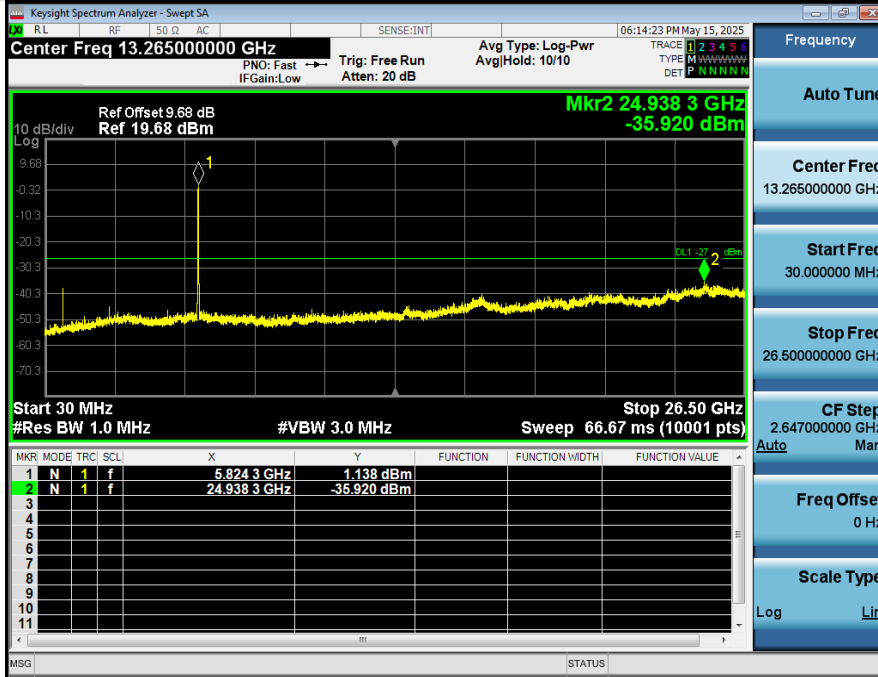
Spurious Emission\_NVNT\_ANT1\_802\_11n(HT20)\_5745



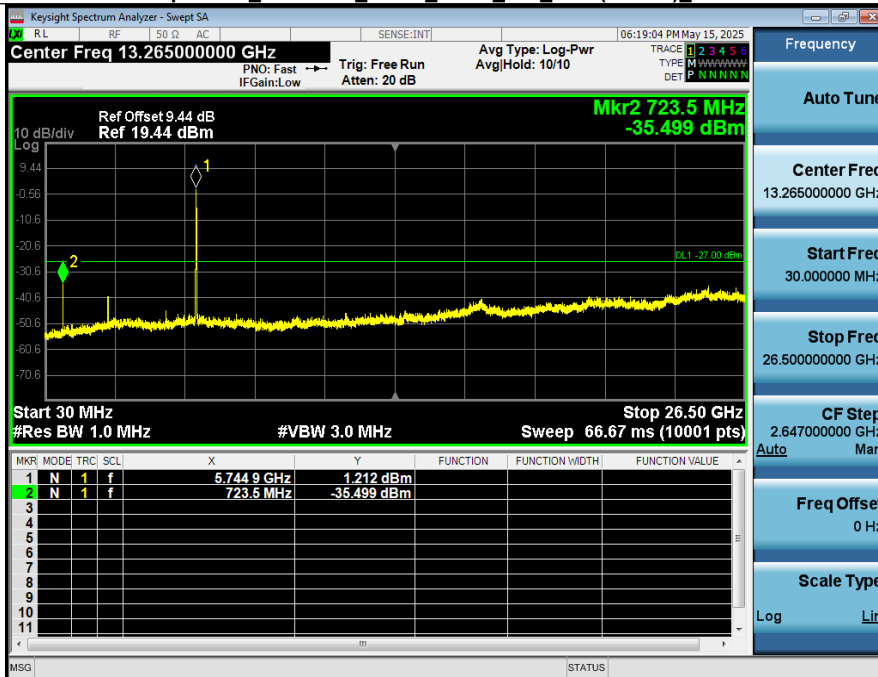
Spurious Emission\_NVNT\_ANT1\_802\_11n(HT20)\_5785



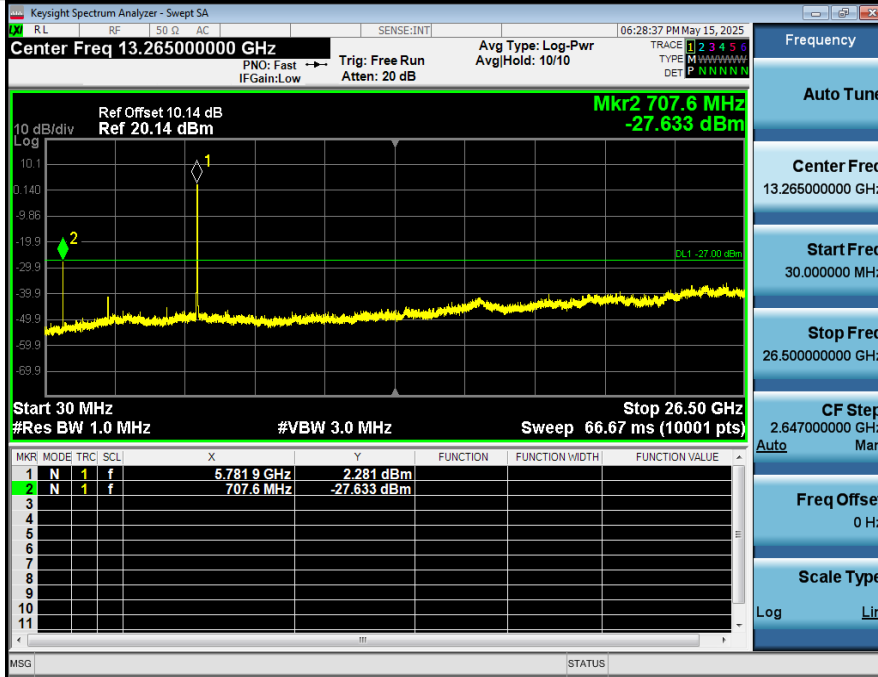
**Spurious Emission\_NVNT\_ANT1\_802\_11n(HT20)\_5825**



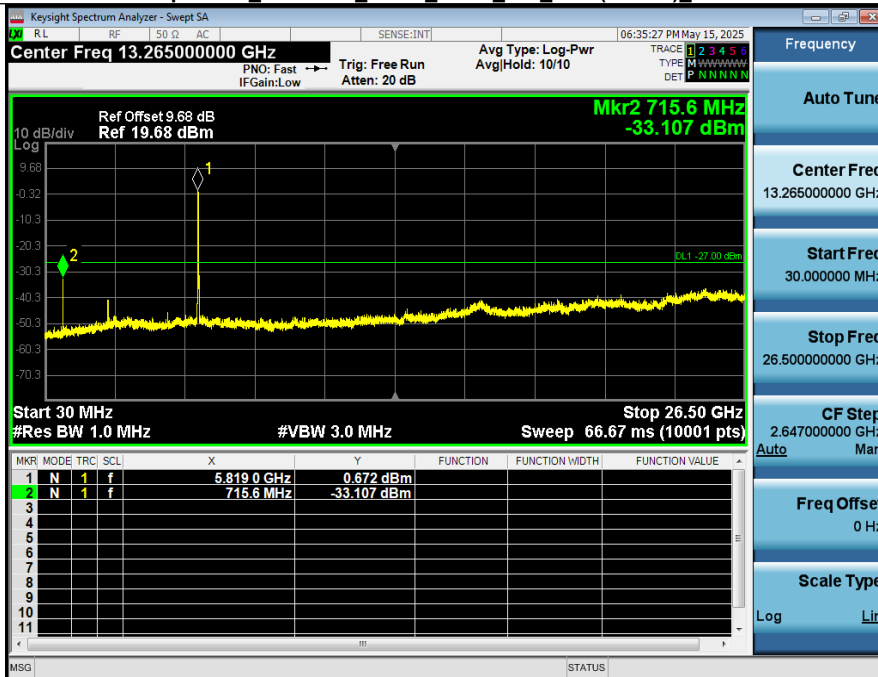
**Spurious Emission\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745**



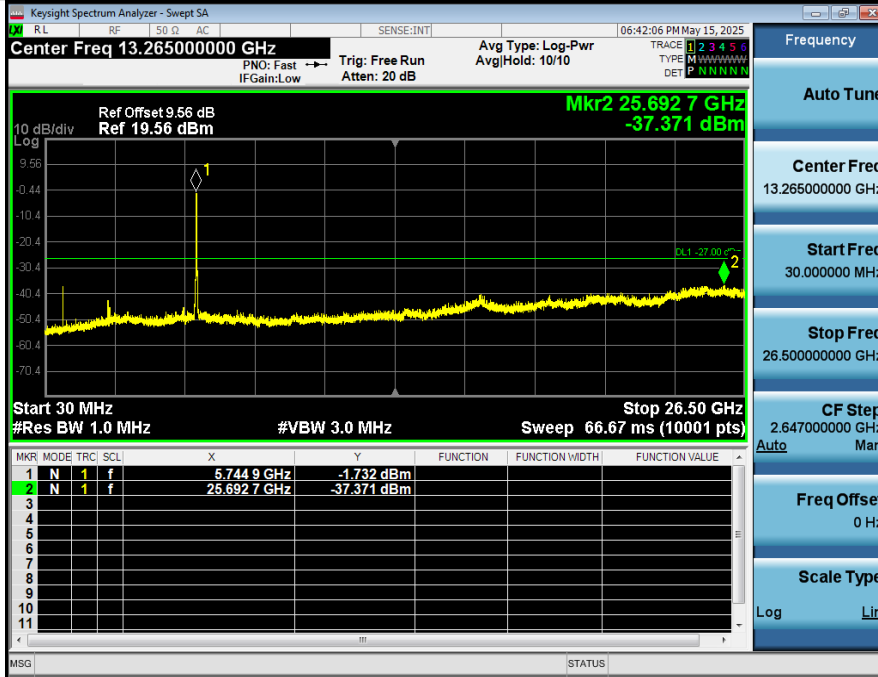
Spurious Emission\_NVNT\_ANT1\_802\_11ac(VHT20)\_5785



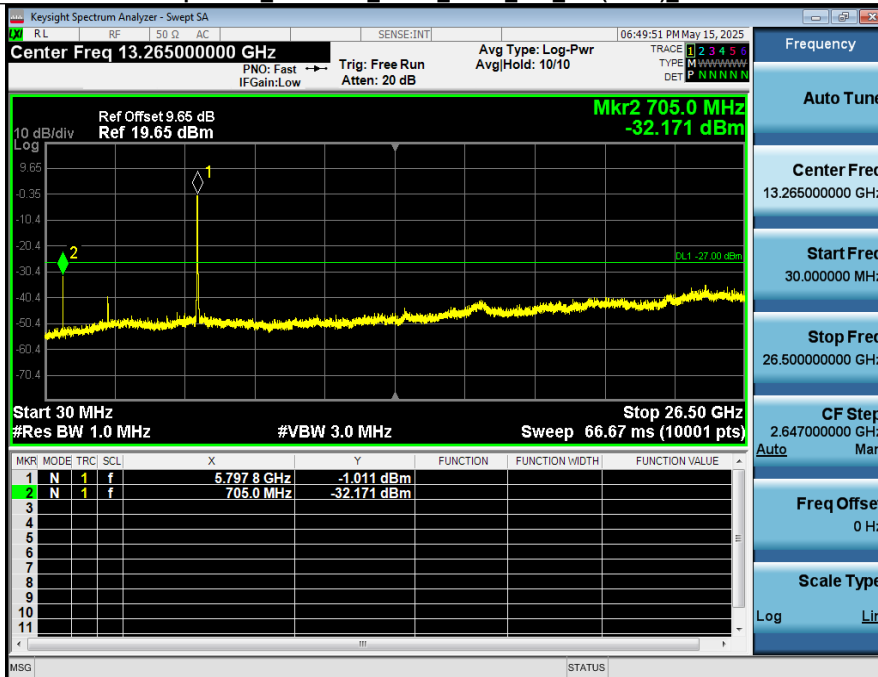
Spurious Emission\_NVNT\_ANT1\_802\_11ac(VHT20)\_5825



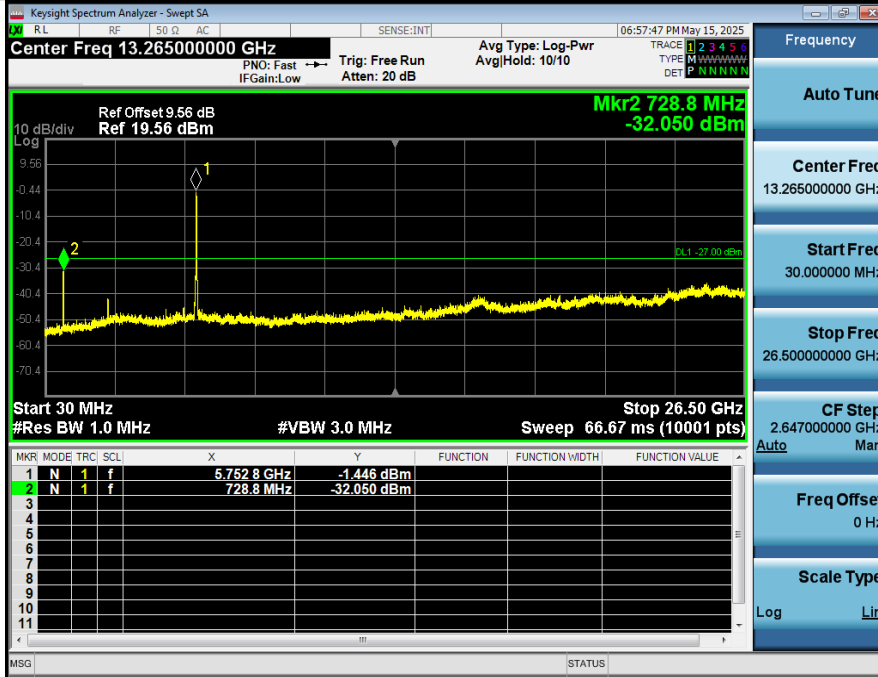
Spurious Emission\_NVNT\_ANT1\_802\_11n(HT40)\_5755



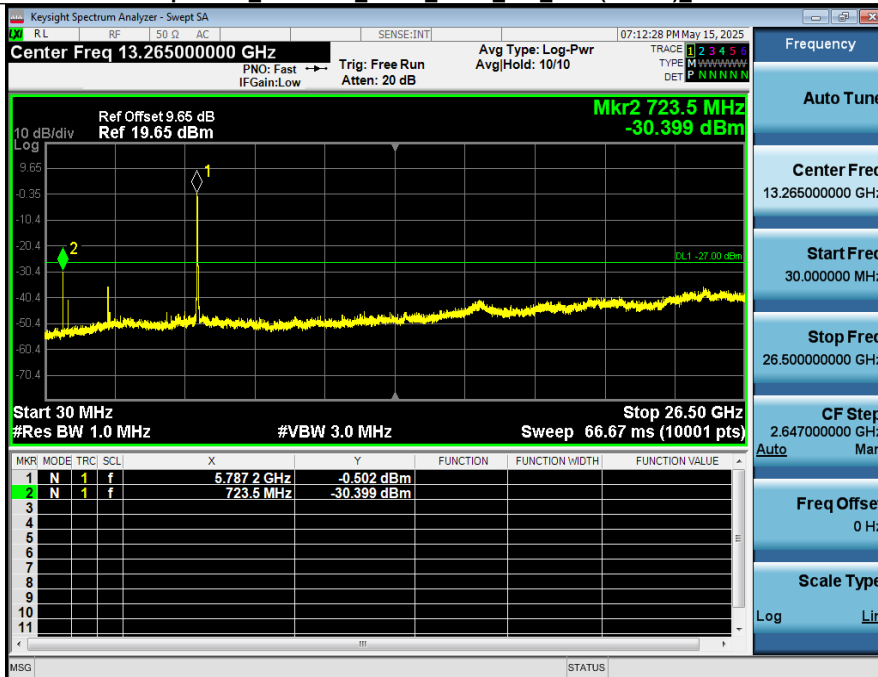
Spurious Emission\_NVNT\_ANT1\_802\_11n(HT40)\_5795

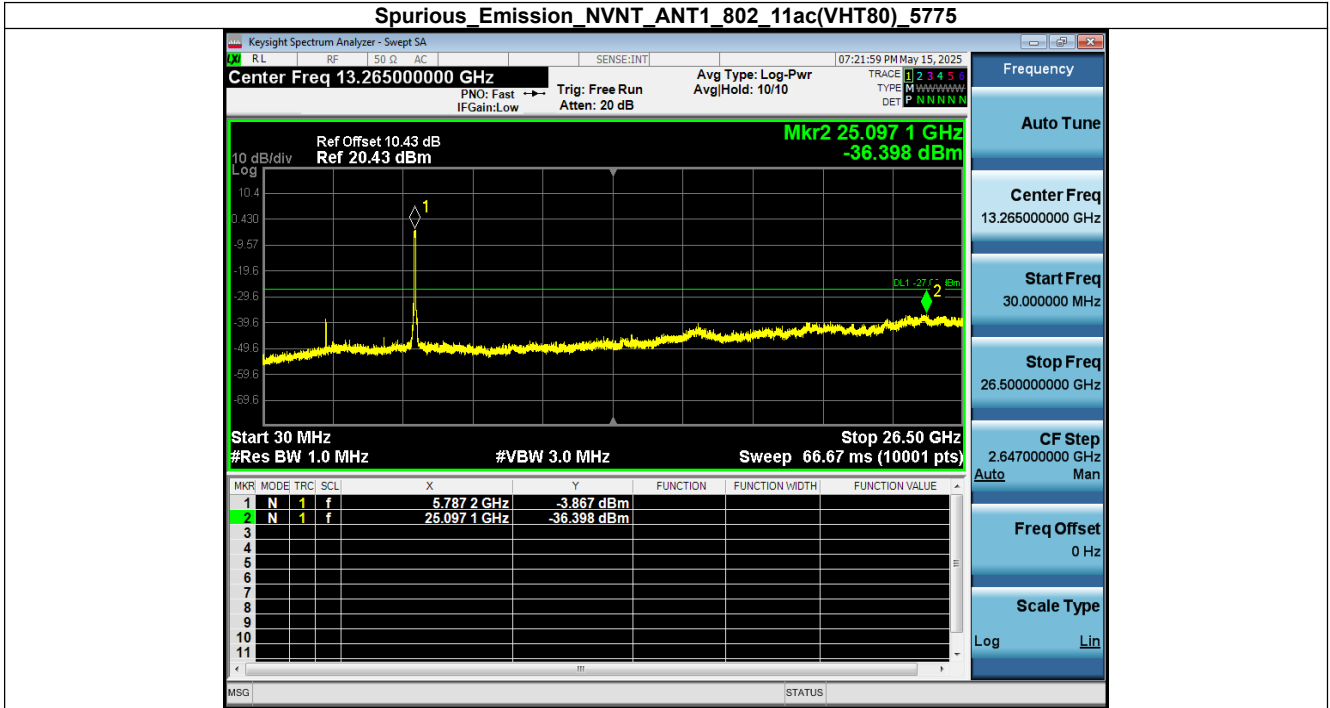


Spurious Emission\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755



Spurious Emission\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795









### 8. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
55degrees C&&3.80V	ANT1	802.11a	5745.00	5744.998	5736.300	5753.696	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11a	5745.00	5745.004	5736.612	5753.396	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11a	5745.00	5744.998	5736.764	5753.232	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5745.00	5745.000	5736.852	5753.148	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11a	5745.00	5745.008	5736.920	5753.096	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11a	5745.00	5744.990	5736.968	5753.012	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11a	5745.00	5744.982	5737.016	5752.948	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11a	5745.00	5744.978	5737.056	5752.900	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5745.00	5744.982	5737.104	5752.860	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5745.00	5744.970	5737.140	5752.800	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5745.00	5744.964	5737.188	5752.740	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11a	5785.00	5785.070	5776.456	5793.684	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11a	5785.00	5785.068	5776.712	5793.424	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11a	5785.00	5785.060	5776.832	5793.288	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5785.00	5785.058	5776.916	5793.200	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11a	5785.00	5785.052	5776.976	5793.128	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11a	5785.00	5785.058	5777.040	5793.076	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11a	5785.00	5785.052	5777.088	5793.016	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11a	5785.00	5785.048	5777.136	5792.960	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5785.00	5785.054	5777.192	5792.916	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5785.00	5785.066	5777.244	5792.888	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5785.00	5785.072	5777.296	5792.848	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11a	5825.00	5825.072	5816.340	5833.804	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11a	5825.00	5825.026	5816.620	5833.432	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11a	5825.00	5825.046	5816.760	5833.332	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5825.00	5825.030	5816.852	5833.208	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11a	5825.00	5825.028	5816.920	5833.136	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11a	5825.00	5825.030	5816.976	5833.084	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11a	5825.00	5825.024	5817.028	5833.020	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11a	5825.00	5825.036	5817.076	5832.996	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5825.00	5825.028	5817.116	5832.940	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5825.00	5825.020	5817.156	5832.884	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5825.00	5825.010	5817.196	5832.824	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5745.022	5735.876	5754.168	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5744.974	5736.100	5753.848	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5744.986	5736.232	5753.740	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5744.992	5736.312	5753.672	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5744.990	5736.388	5753.592	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5744.972	5736.448	5753.496	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5744.984	5736.512	5753.456	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5744.980	5736.572	5753.388	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5745.00	5744.974	5736.628	5753.320	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5745.00	5744.978	5736.684	5753.272	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5745.00	5744.974	5736.732	5753.216	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.074	5775.960	5794.188	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.046	5776.180	5793.912	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.048	5776.300	5793.796	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.046	5776.380	5793.712	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.044	5776.452	5793.636	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.052	5776.524	5793.580	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.058	5776.592	5793.524	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.046	5776.640	5793.452	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5785.00	5785.034	5776.696	5793.372	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5785.00	5785.050	5776.748	5793.352	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5785.00	5785.040	5776.796	5793.284	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.060	5815.900	5834.220	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.038	5816.124	5833.952	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.034	5816.252	5833.816	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.042	5816.340	5833.744	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.042	5816.416	5833.668	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.028	5816.480	5833.576	5725~5850	Pass



**MAXLAB Testing Co.,Ltd.**

Report No.: MAX250423110P01-R03

-5degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.034	5816.544	5833.524	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.020	5816.600	5833.440	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5825.00	5825.040	5816.660	5833.420	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5825.00	5825.034	5816.724	5833.344	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5825.00	5825.056	5816.776	5833.336	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5745.016	5735.852	5754.180	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5744.978	5736.084	5753.872	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5744.996	5736.224	5753.768	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5744.986	5736.308	5753.664	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5744.980	5736.372	5753.588	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5744.974	5736.436	5753.512	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5744.986	5736.500	5753.472	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5744.964	5736.544	5753.384	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5745.00	5744.948	5736.604	5753.292	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5745.00	5744.940	5736.652	5753.228	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5745.00	5744.964	5736.712	5753.216	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.076	5775.968	5794.184	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.072	5776.192	5793.952	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.046	5776.292	5793.800	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.048	5776.376	5793.720	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.052	5776.456	5793.648	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.046	5776.528	5793.564	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.058	5776.584	5793.532	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.058	5776.652	5793.464	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5785.00	5785.070	5776.716	5793.424	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5785.00	5785.060	5776.780	5793.340	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5785.00	5785.040	5776.820	5793.260	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.048	5815.852	5834.244	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.026	5816.128	5833.924	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.032	5816.252	5833.812	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.028	5816.340	5833.716	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.036	5816.416	5833.656	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.036	5816.480	5833.592	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.032	5816.540	5833.524	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.030	5816.592	5833.468	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5825.00	5825.022	5816.640	5833.404	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5825.00	5825.018	5816.708	5833.328	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5825.00	5825.038	5816.756	5833.320	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.096	5736.792	5773.400	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.068	5736.976	5773.160	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.064	5737.144	5772.984	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.056	5737.264	5772.848	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.068	5737.376	5772.760	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.056	5737.472	5772.640	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.084	5737.584	5772.584	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.088	5737.672	5772.504	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5755.00	5755.052	5737.784	5772.320	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5755.00	5755.044	5737.872	5772.216	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5755.00	5755.044	5737.960	5772.128	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.072	5776.856	5813.288	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.052	5777.056	5813.048	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.044	5777.216	5812.872	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.012	5777.336	5812.688	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.032	5777.448	5812.616	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.028	5777.552	5812.504	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.044	5777.664	5812.424	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.024	5777.752	5812.296	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5795.00	5795.016	5777.888	5812.144	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5795.00	5795.004	5778.008	5812.000	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5795.00	5794.996	5778.104	5811.888	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.100	5736.768	5773.432	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.056	5736.976	5773.136	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.068	5737.128	5773.008	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.036	5737.224	5772.848	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.048	5737.336	5772.760	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.036	5737.448	5772.624	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.048	5737.544	5772.552	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.028	5737.632	5772.424	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT40)	5755.00	5755.032	5737.744	5772.320	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5755.00	5755.024	5737.824	5772.224	5725~5850	Pass



**MAXLAB Testing Co.,Ltd.**

*Report No.: MAX250423110P01-R03*

25degrees C&&3.23V	ANT1	802.11ac(VHT40)	5755.00	5755.060	5737.920	5772.200	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.076	5776.872	5813.280	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.064	5777.072	5813.056	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.044	5777.208	5812.880	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.036	5777.336	5812.736	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.052	5777.480	5812.624	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.028	5777.584	5812.472	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.024	5777.688	5812.360	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.012	5777.800	5812.224	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT40)	5795.00	5794.996	5777.912	5812.080	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5795.00	5795.028	5778.040	5812.016	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT40)	5795.00	5794.976	5778.112	5811.840	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.090	5737.056	5813.124	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.072	5737.344	5812.800	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.054	5737.524	5812.584	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.084	5737.704	5812.464	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.042	5737.908	5812.176	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.000	5738.112	5811.888	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.030	5738.316	5811.744	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.012	5738.520	5811.504	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT80)	5775.00	5775.036	5738.736	5811.336	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT80)	5775.00	5775.030	5738.928	5811.132	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT80)	5775.00	5774.988	5739.144	5810.832	5725~5850	Pass