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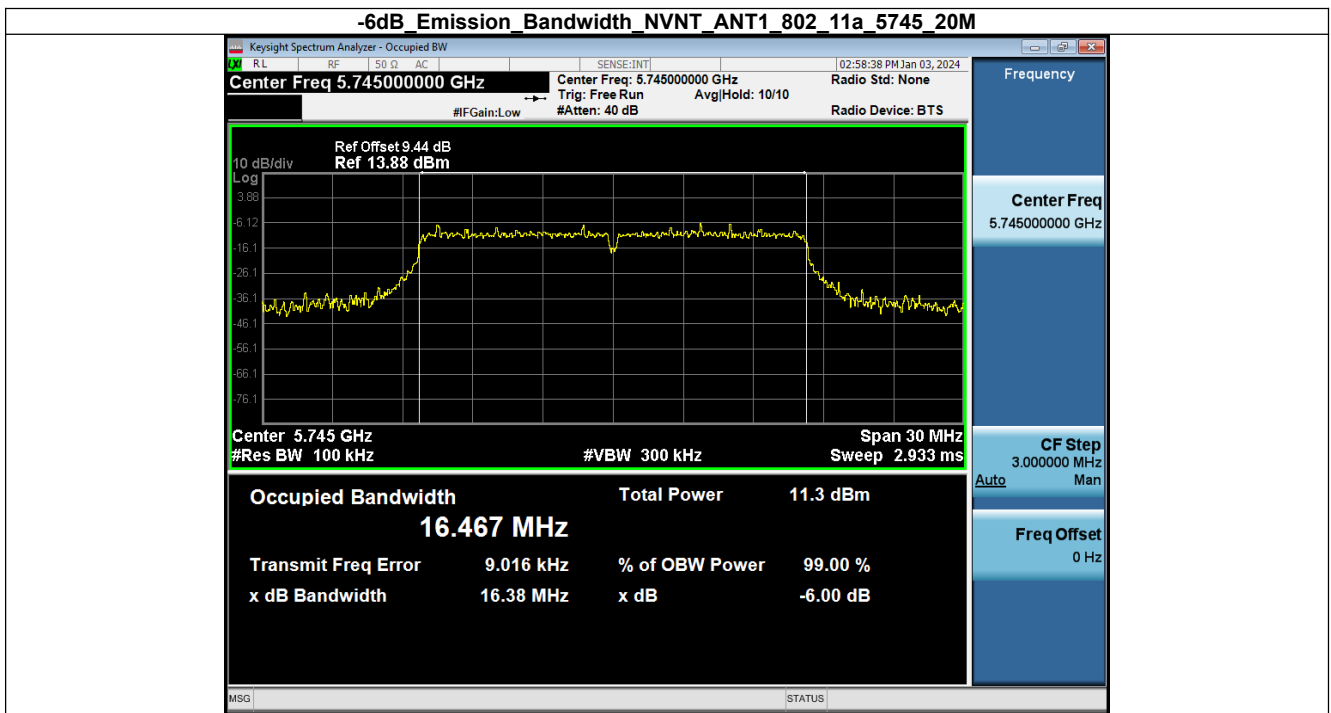
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# FCC ID WIFI5.8-1

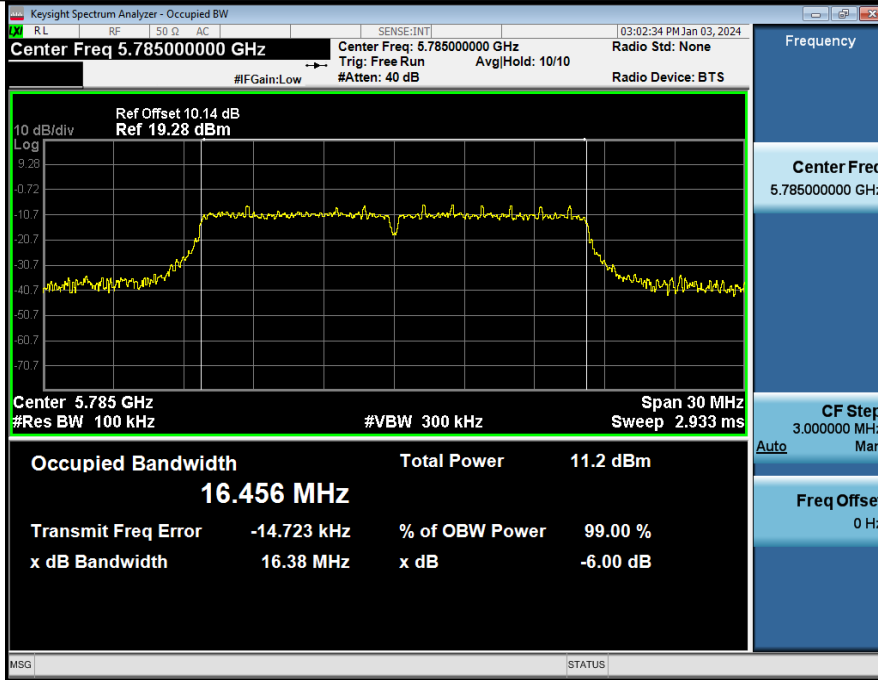
## FCC\_5.8G\_WIFI (Part15.407) Test Data

### 1. -6dB Emission Bandwidth

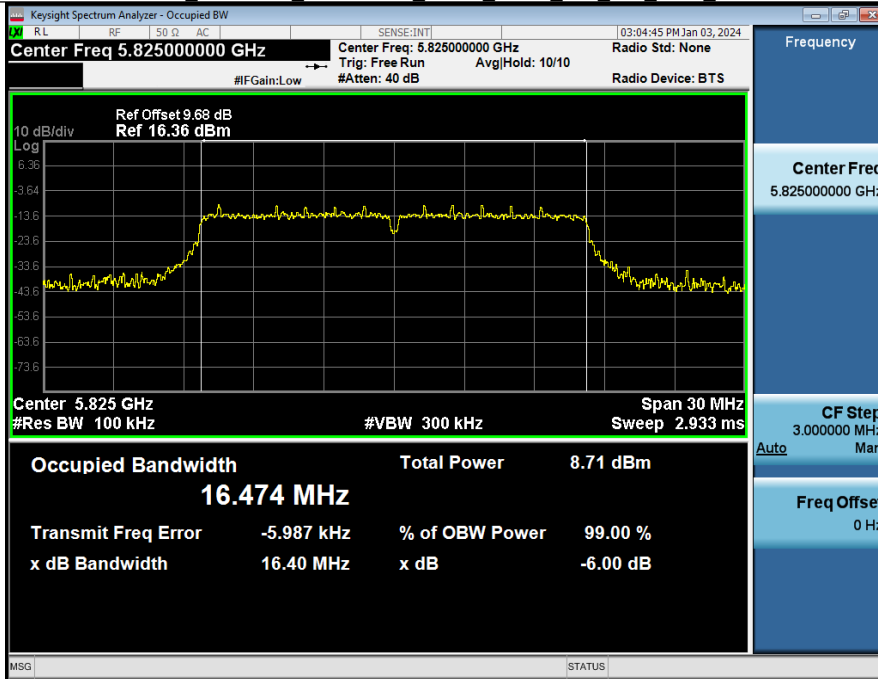
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745.00	16.375	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.376	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.401	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.419	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.417	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.557	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.779	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.587	0.500	Pass



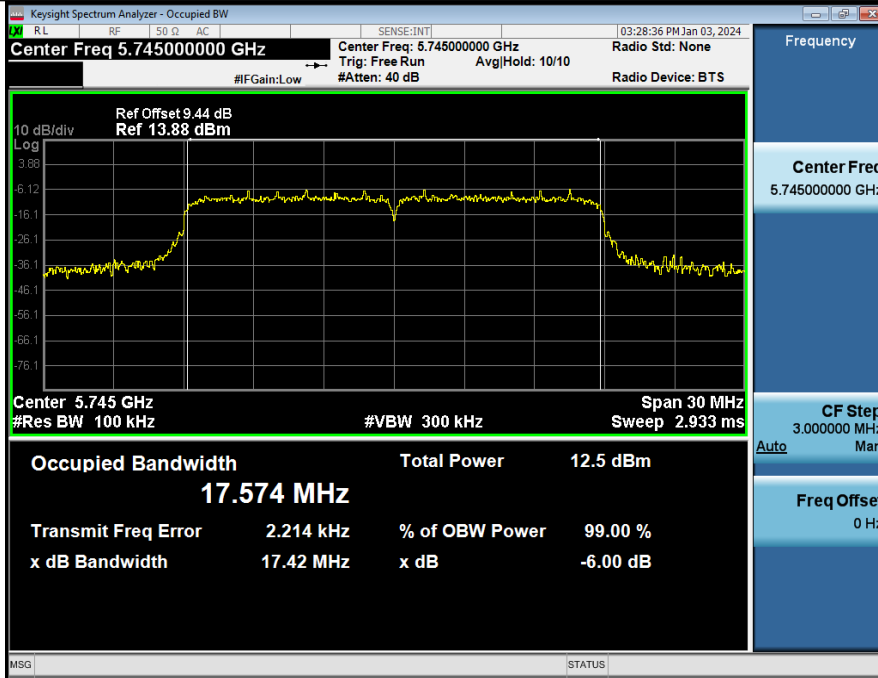
**-6dB Emission Bandwidth\_NVNT\_ANT1\_802\_11a\_5785\_20M**



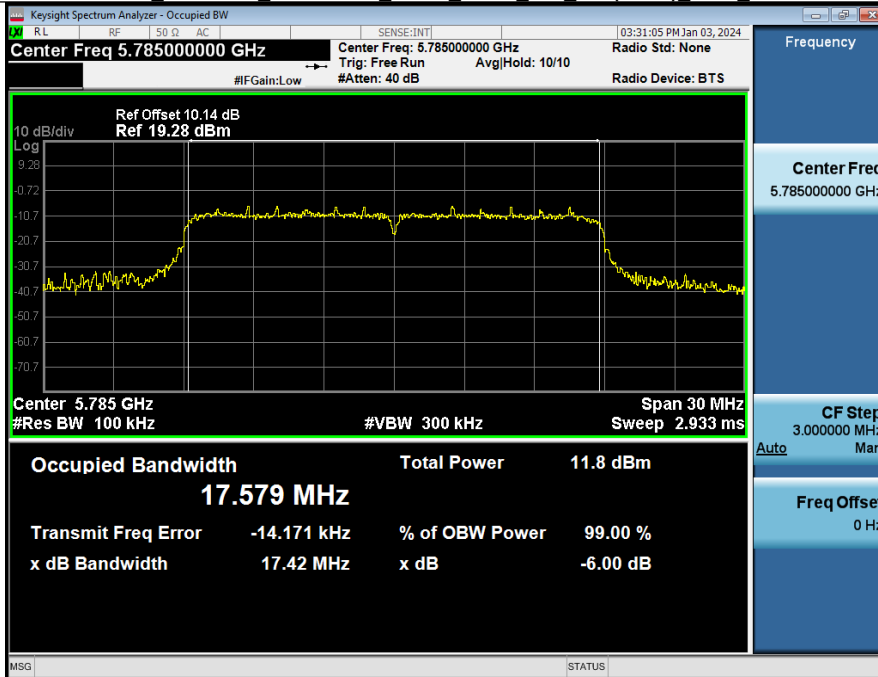
**-6dB Emission Bandwidth\_NVNT\_ANT1\_802\_11a\_5825\_20M**



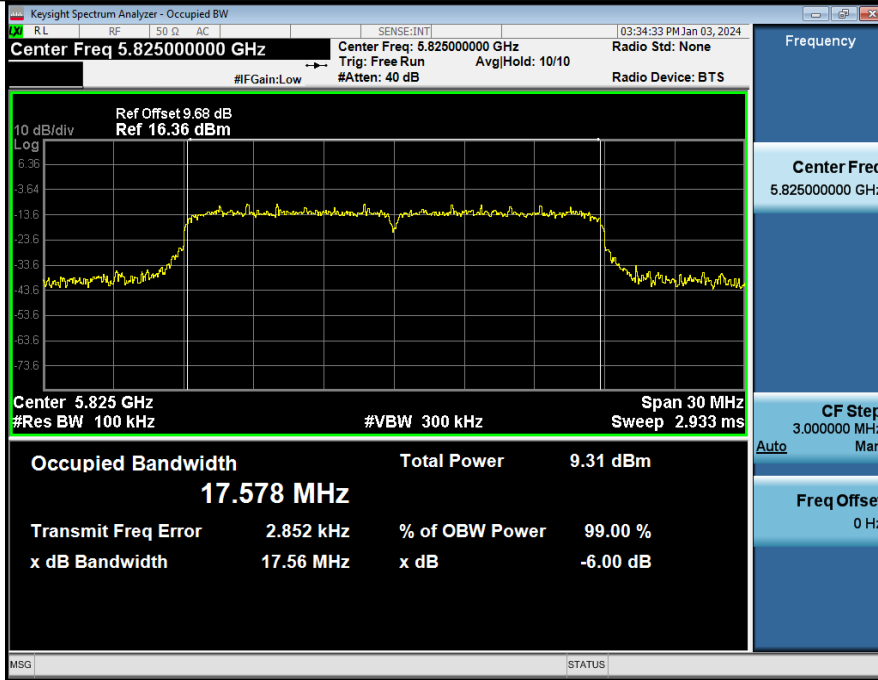
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11n(HT20) 5745\_20M**



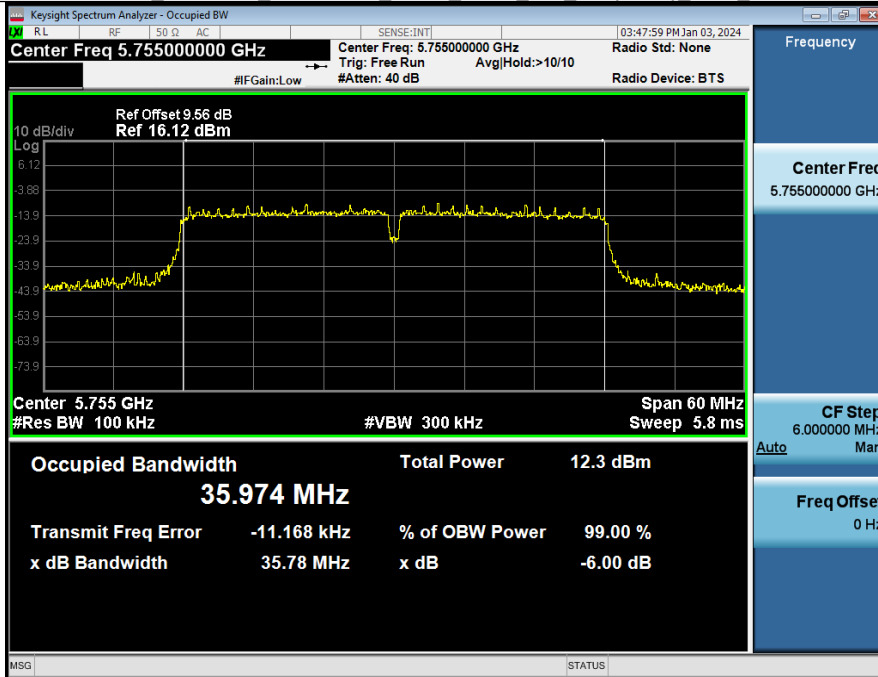
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11n(HT20) 5785\_20M**



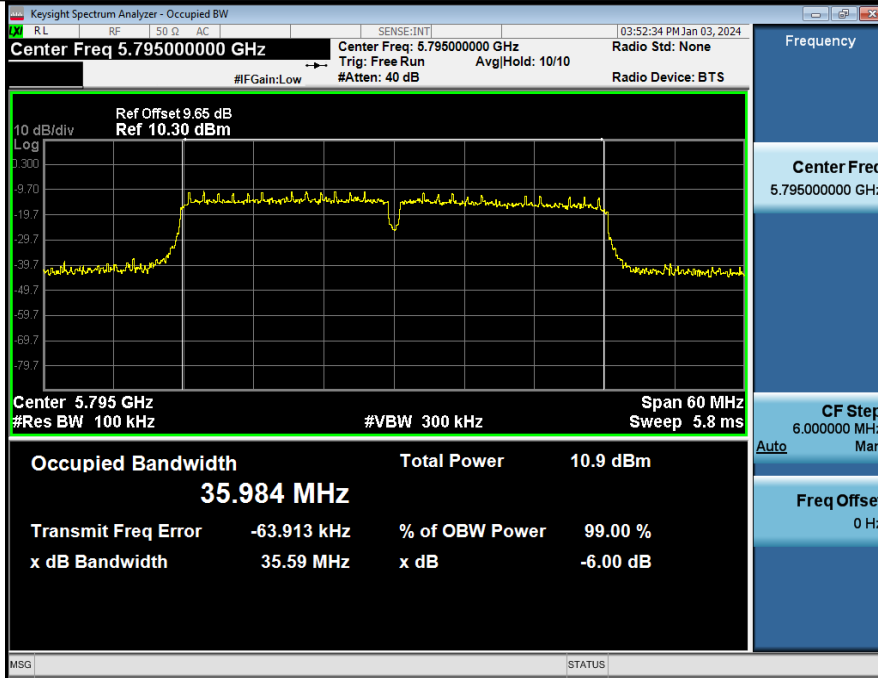
**-6dB Emission Bandwidth\_NVNT\_ANT1\_802\_11n(HT20)\_5825\_20M**



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

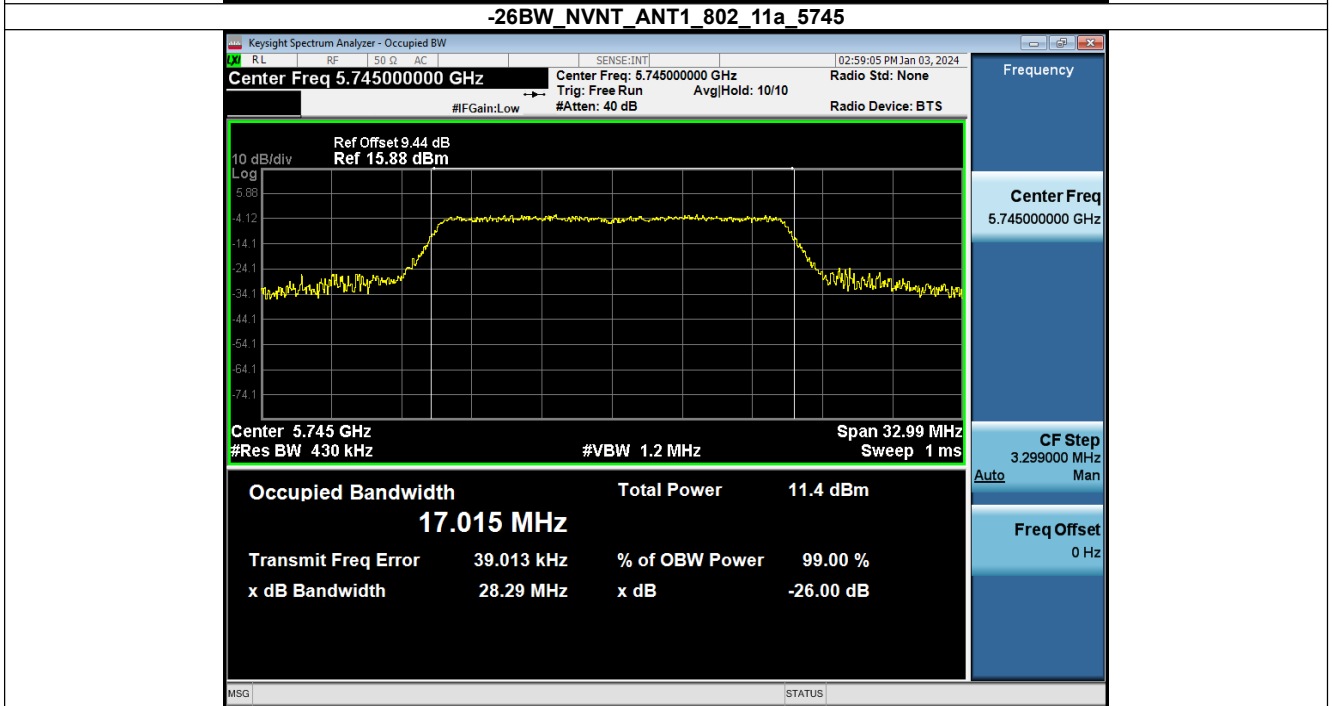
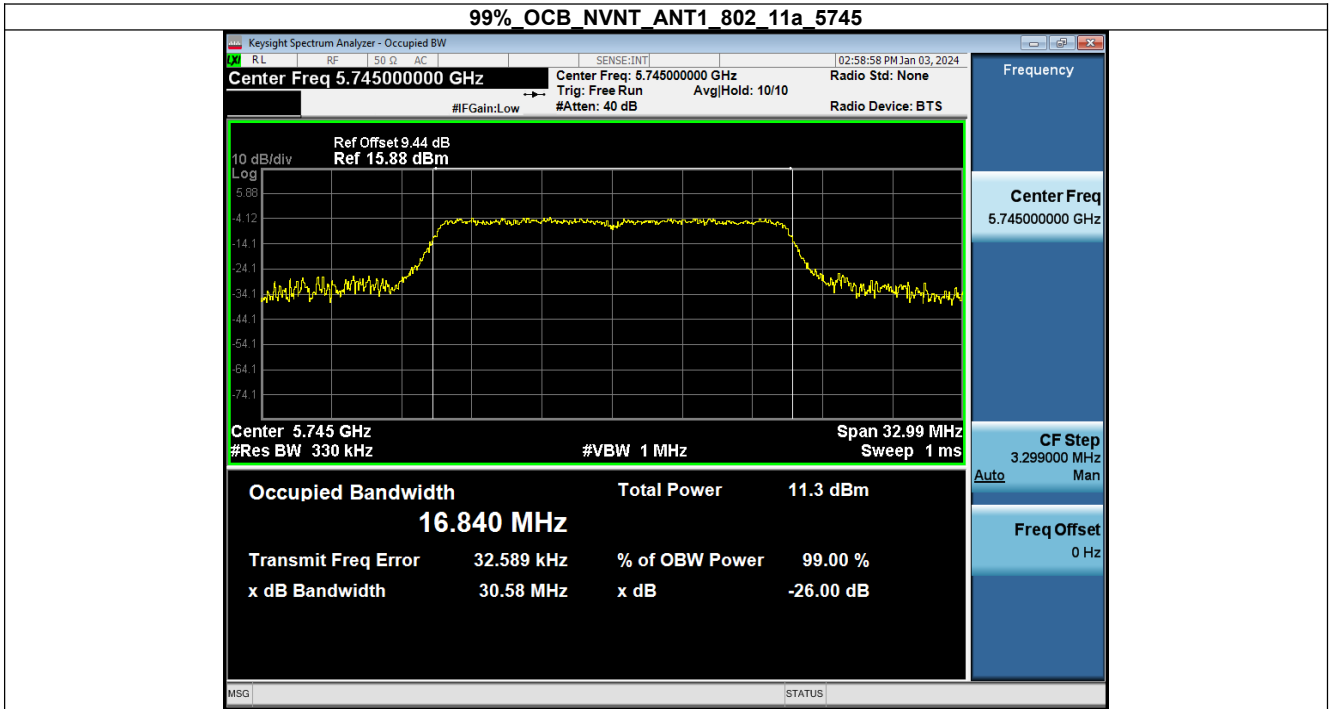


**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11n(HT40)\_5795\_40M**

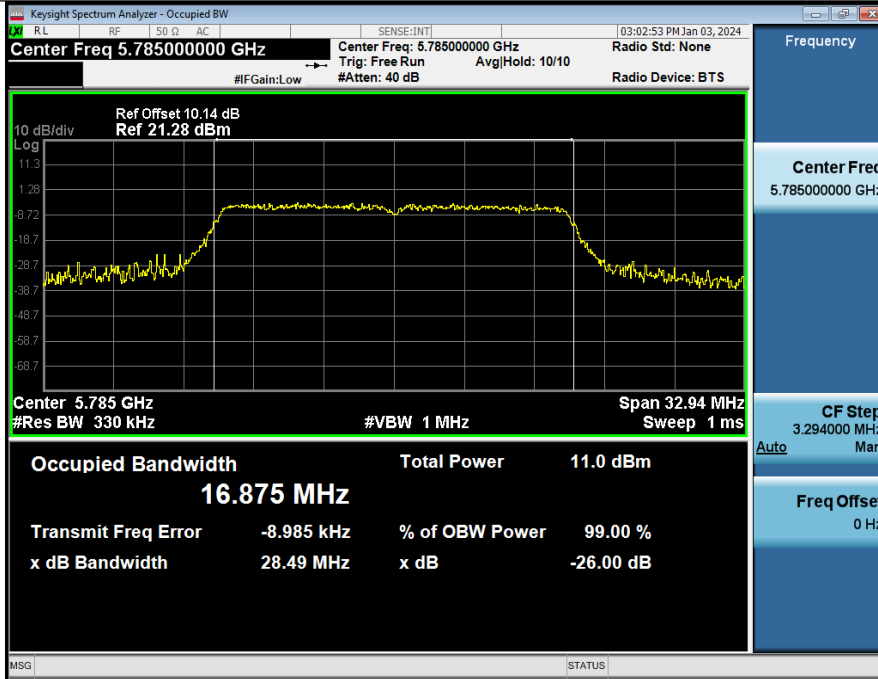


## 2. -26dB and 99% Emission Bandwidth

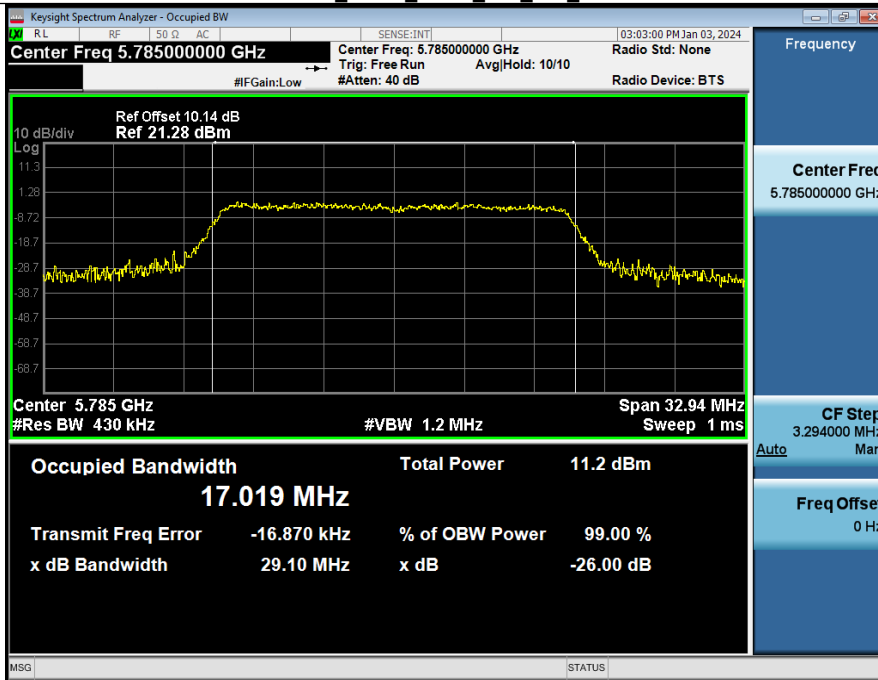
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	28.29	16.84
NVNT	ANT1	802.11a	5785.00	29.10	16.88
NVNT	ANT1	802.11a	5825.00	28.67	16.87
NVNT	ANT1	802.11n(HT20)	5745.00	31.35	17.80
NVNT	ANT1	802.11n(HT20)	5785.00	32.83	17.84
NVNT	ANT1	802.11n(HT20)	5825.00	30.54	17.81
NVNT	ANT1	802.11n(HT40)	5755.00	52.03	36.29
NVNT	ANT1	802.11n(HT40)	5795.00	53.48	36.36



99%\_OCB\_NVNT\_ANT1\_802\_11a\_5785



-26BW\_NVNT\_ANT1\_802\_11a\_5785

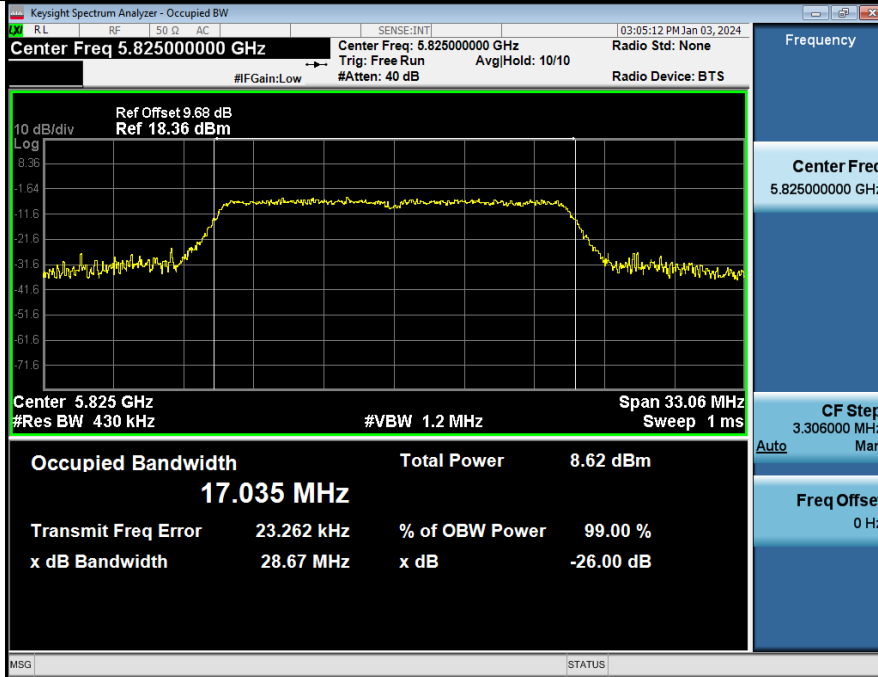




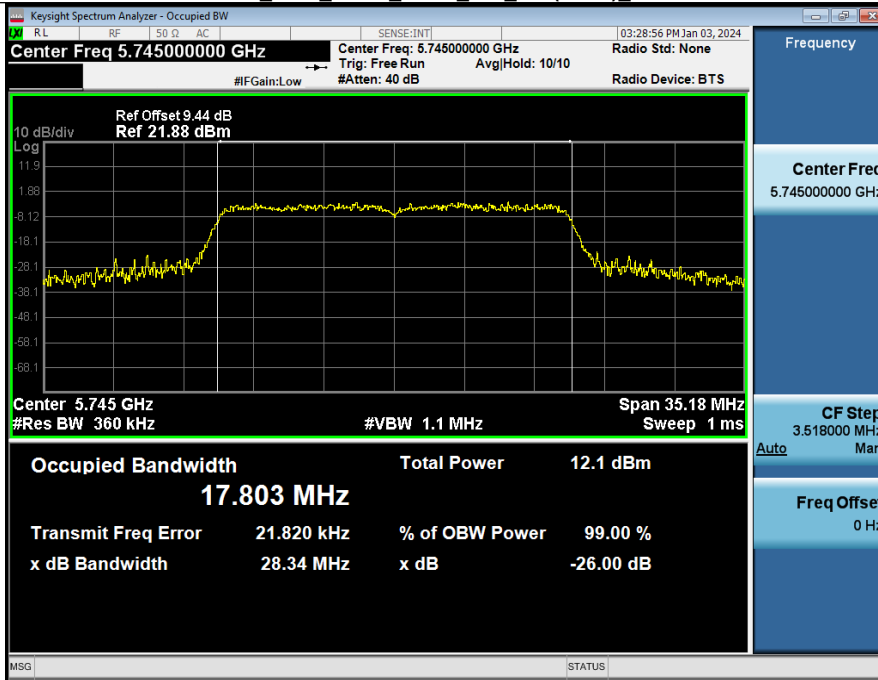
99% OCB NVNT\_ANT1\_802\_11a\_5825



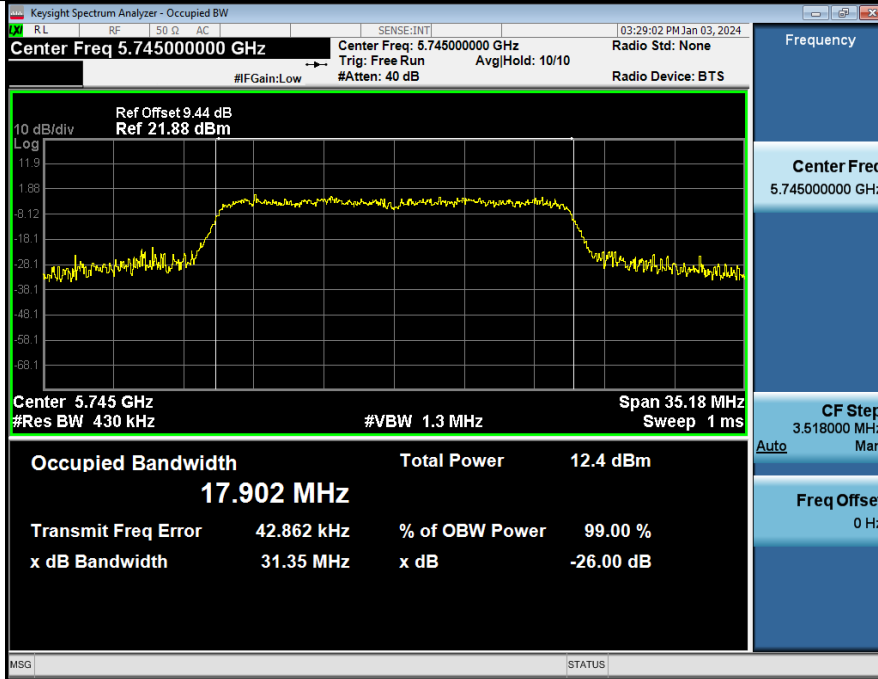
-26BW\_NVNT\_ANT1\_802\_11a\_5825



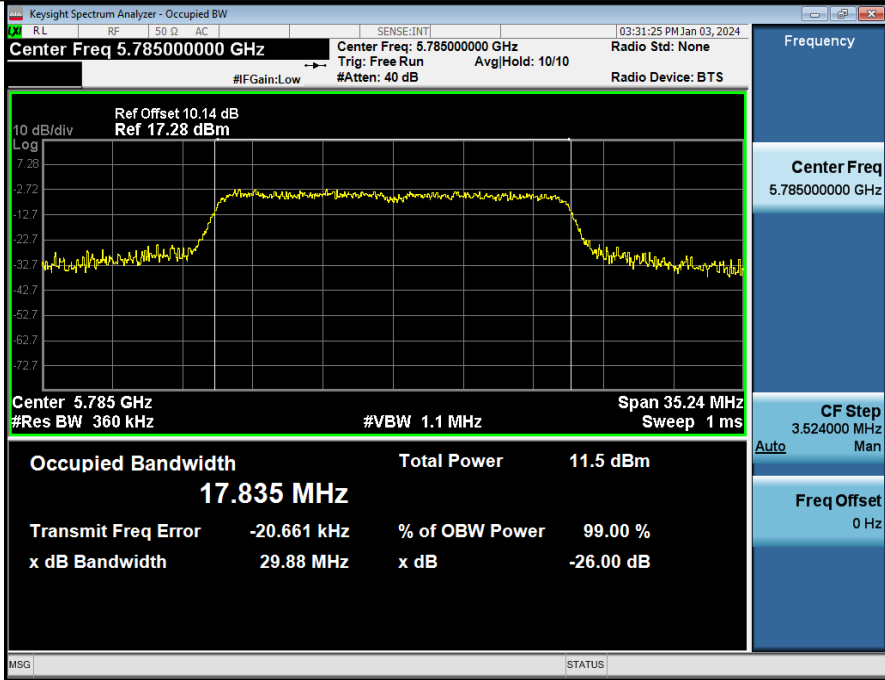
99% OCB NVNT\_ANT1\_802\_11n(HT20)\_5745



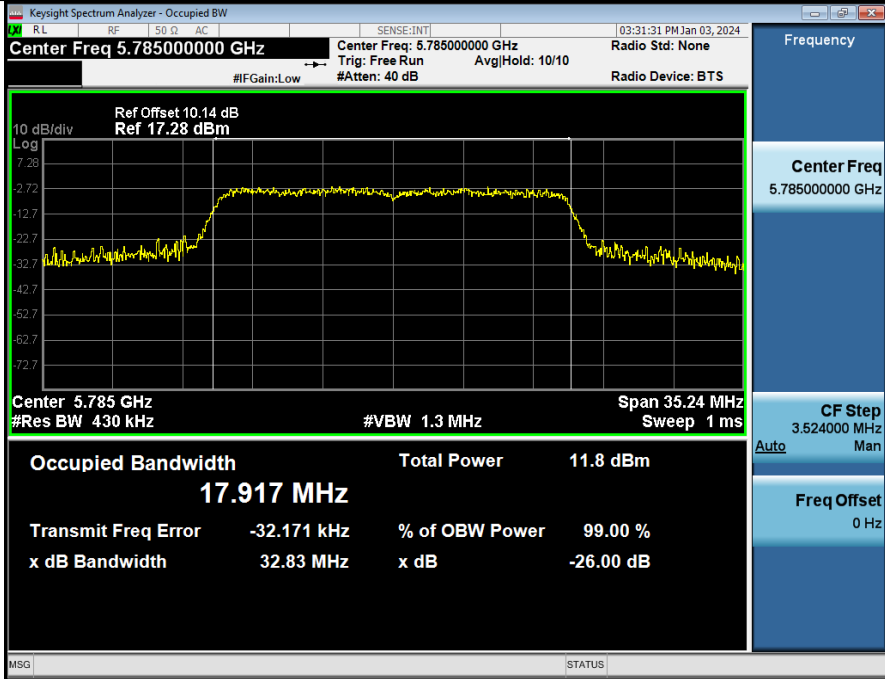
-26BW NVNT\_ANT1\_802\_11n(HT20)\_5745



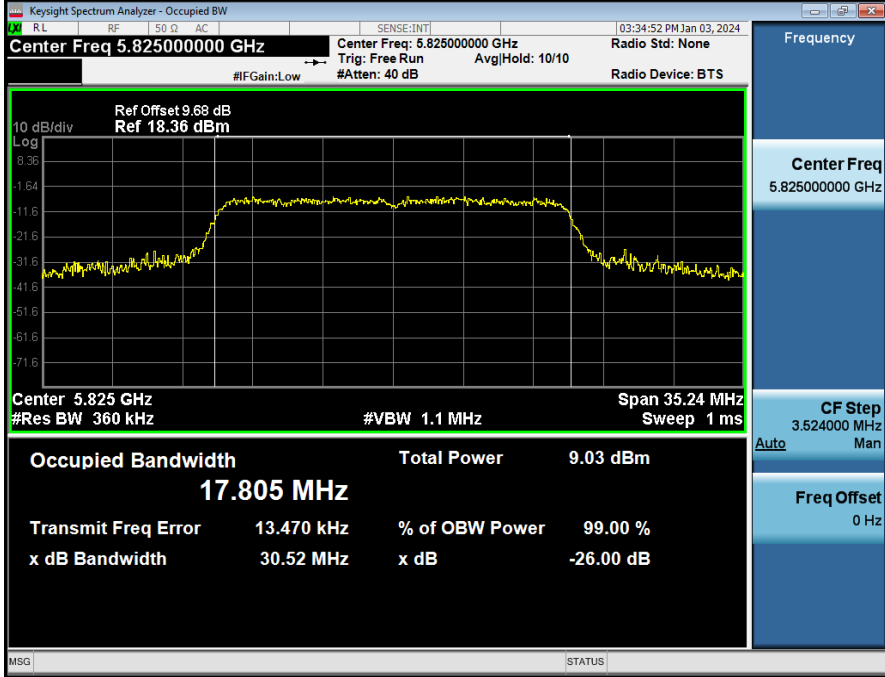
99% OCB NVNT\_ANT1\_802\_11n(HT20)\_5785



-26BW NVNT\_ANT1\_802\_11n(HT20)\_5785



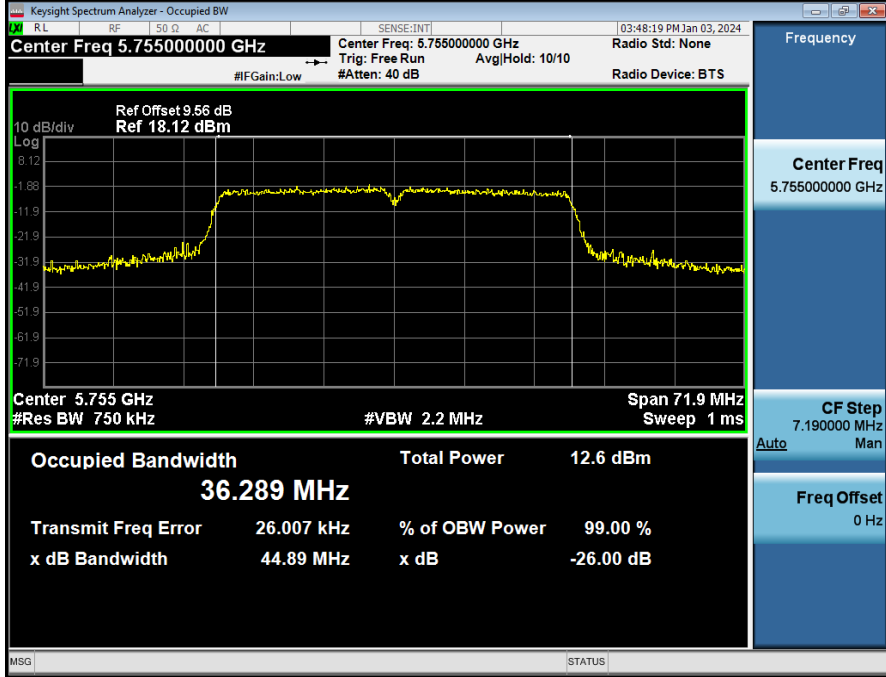
99%\_OCB\_NVNT\_ANT1\_802\_11n(HT20)\_5825



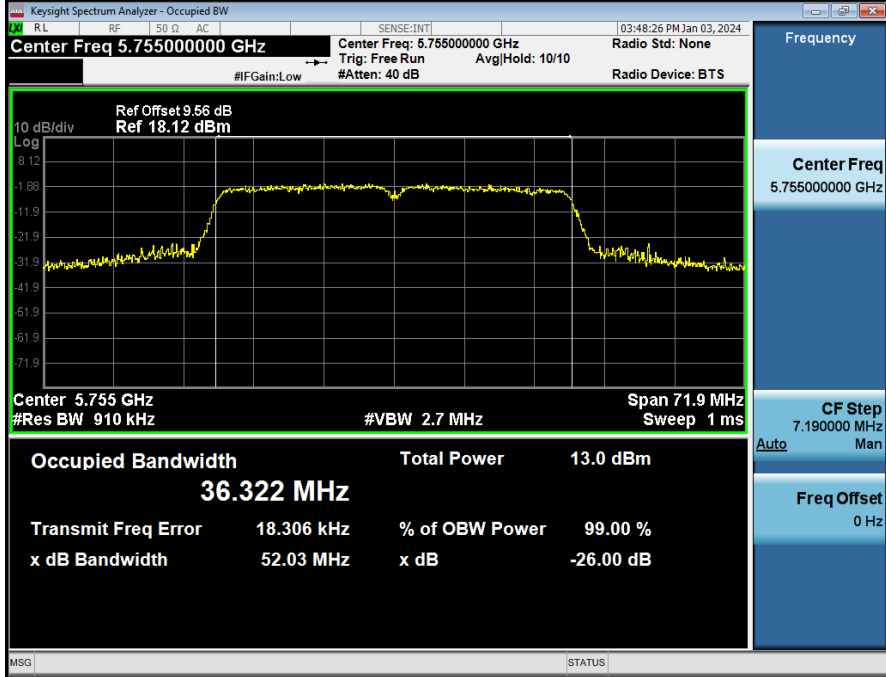
-26BW\_NVNT\_ANT1\_802\_11n(HT20)\_5825



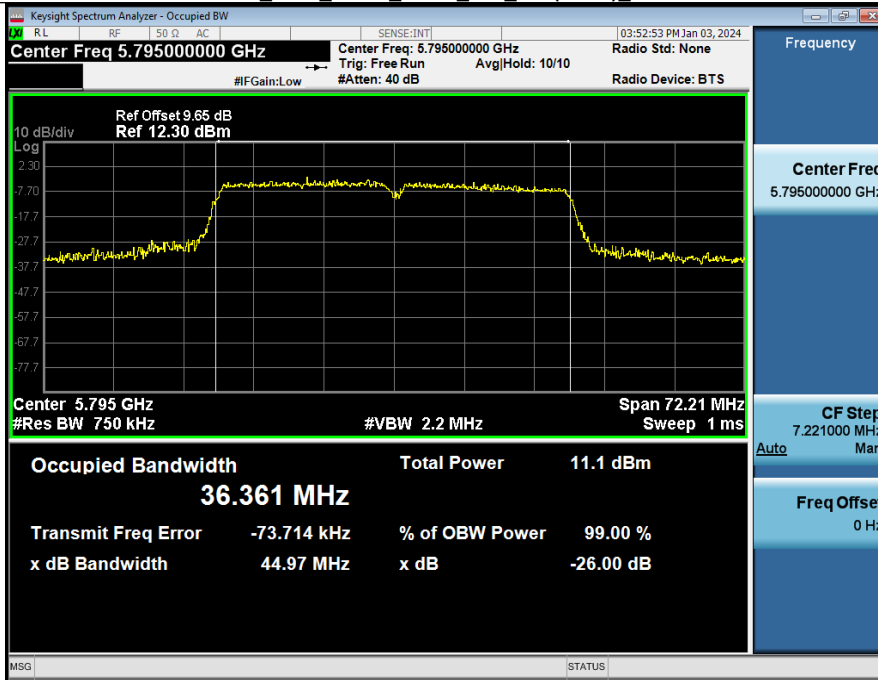
99% OCB NVNT\_ANT1\_802\_11n(HT40)\_5755



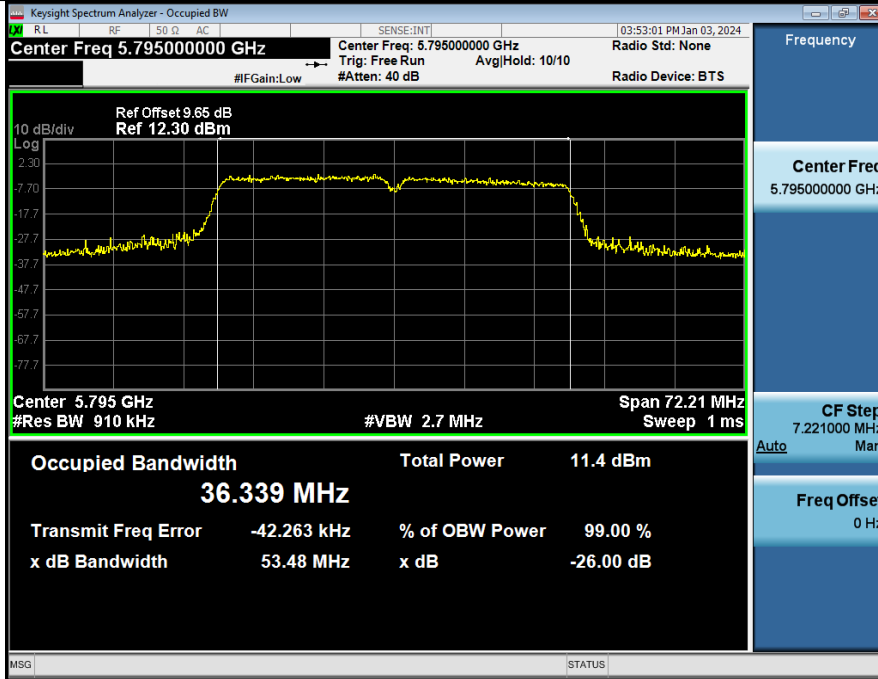
-26BW NVNT\_ANT1\_802\_11n(HT40)\_5755



99% OCB NVNT\_ANT1\_802\_11n(HT40)\_5795

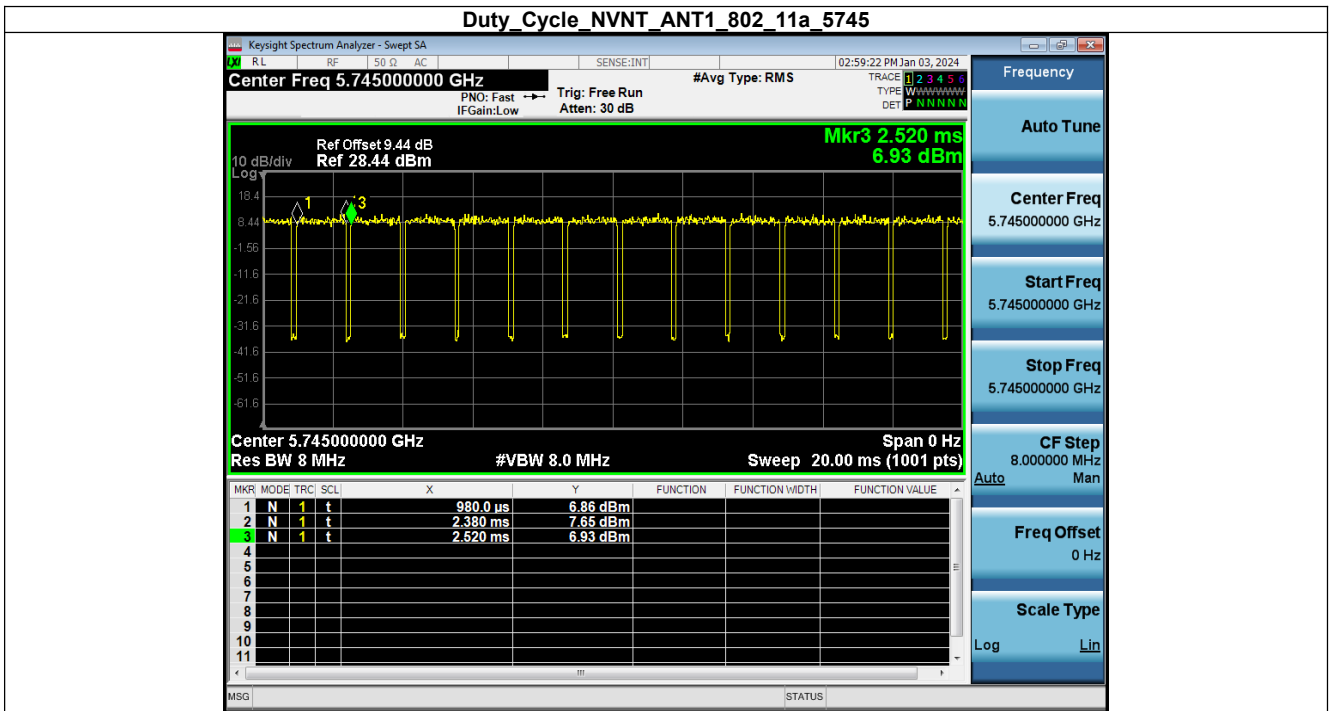


-26BW NVNT\_ANT1\_802\_11n(HT40)\_5795

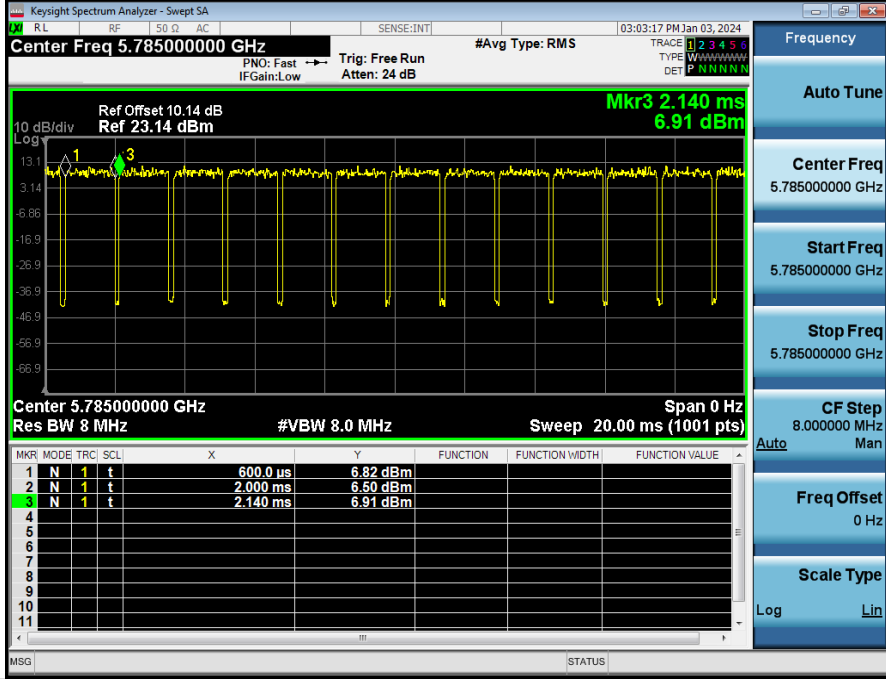


### 3. Duty Cycle

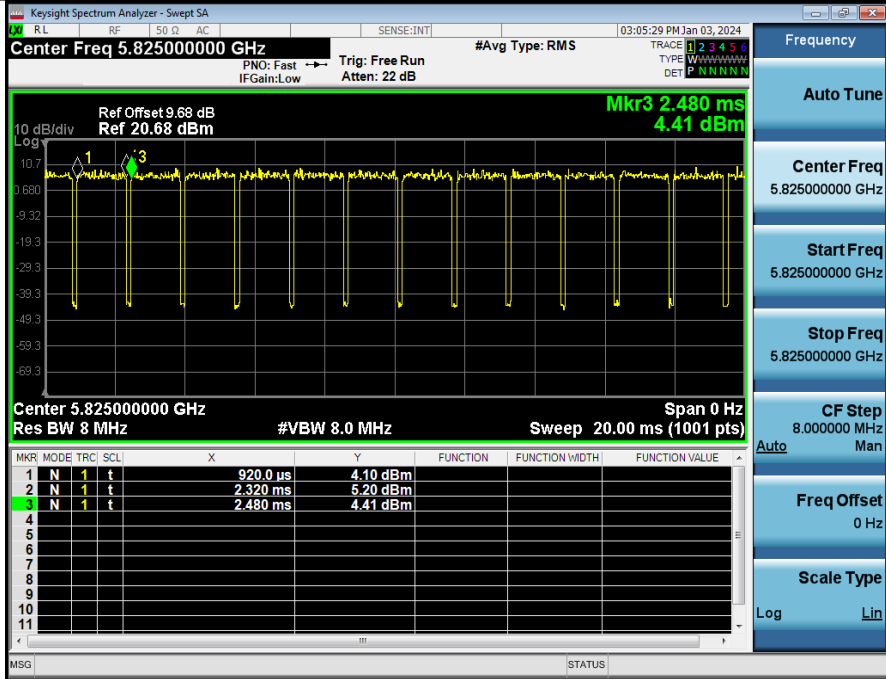
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	90.91	0.41
NVNT	ANT1	802.11a	5785.00	90.91	0.41
NVNT	ANT1	802.11a	5825.00	89.74	0.47
NVNT	ANT1	802.11n(HT20)	5745.00	88.06	0.55
NVNT	ANT1	802.11n(HT20)	5785.00	88.06	0.55
NVNT	ANT1	802.11n(HT20)	5825.00	88.06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



Duty Cycle NVNT ANT1\_802\_11a\_5785

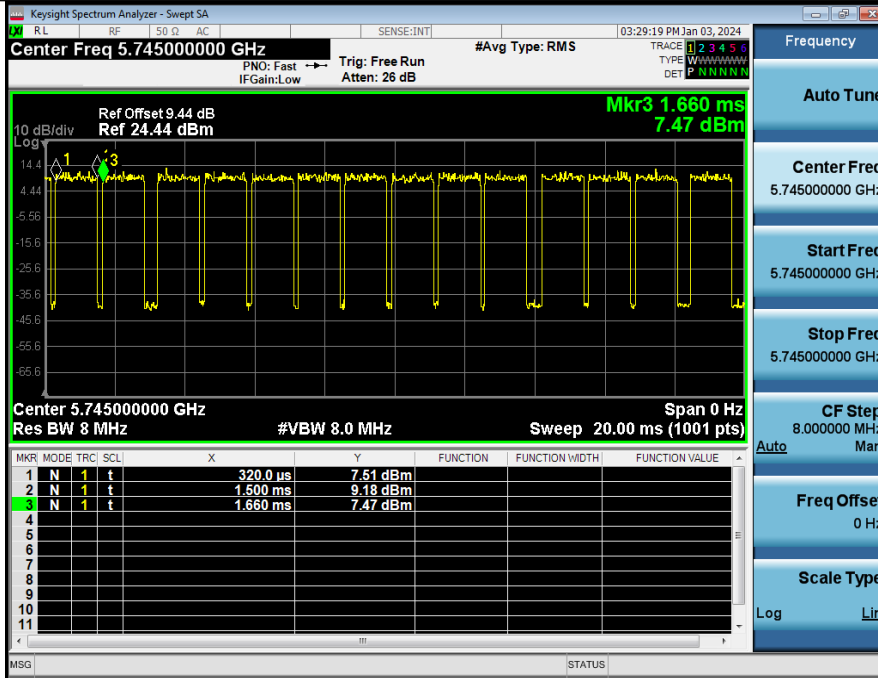


Duty Cycle NVNT ANT1\_802\_11a\_5825

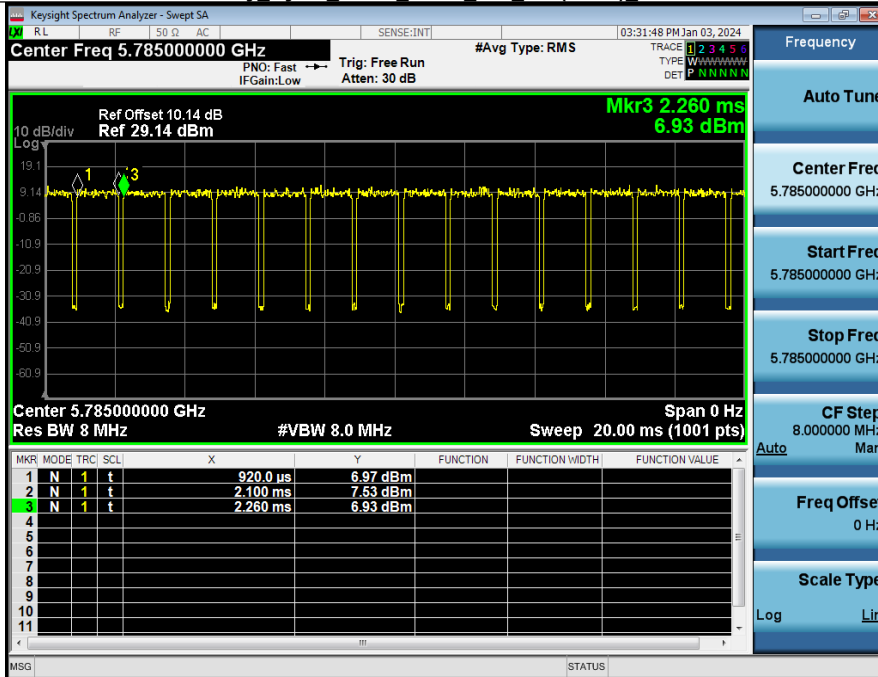




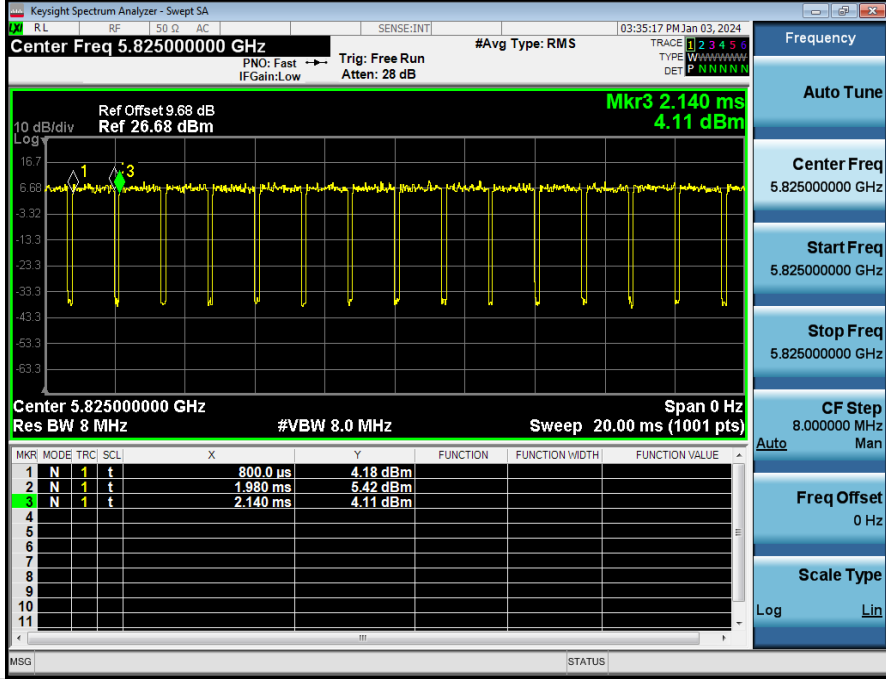
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5745



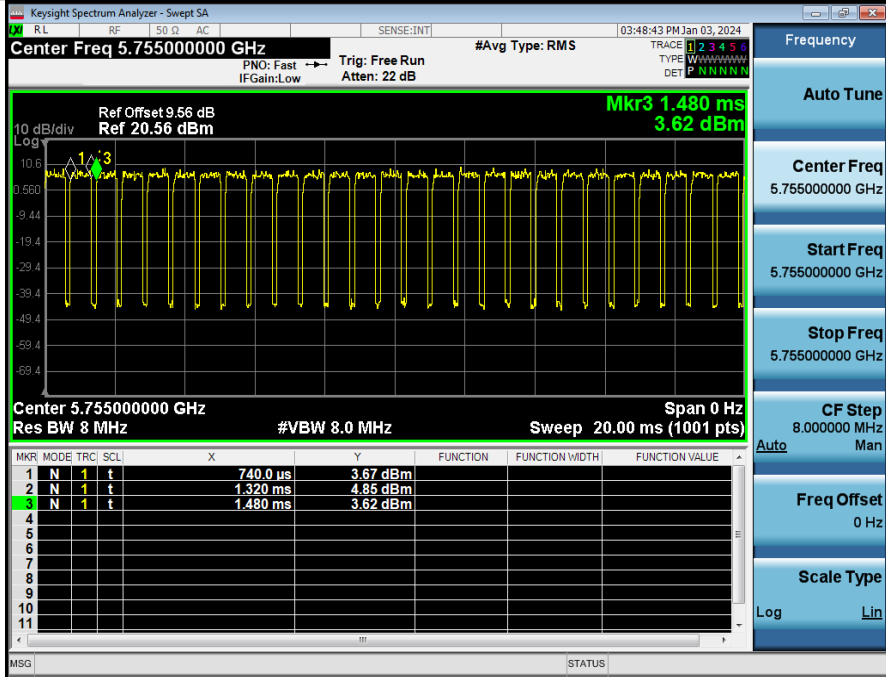
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5785



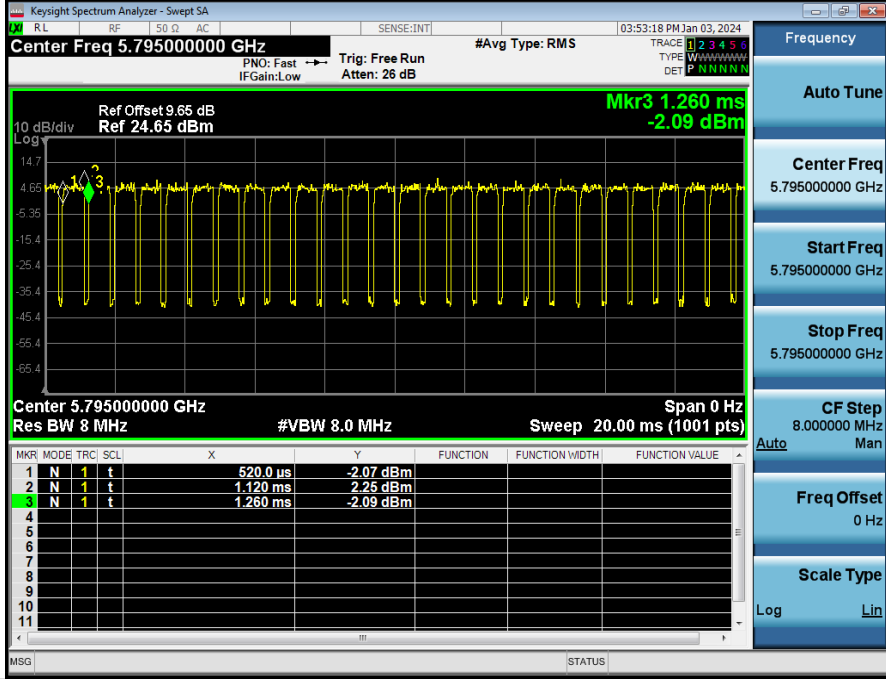
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5825



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

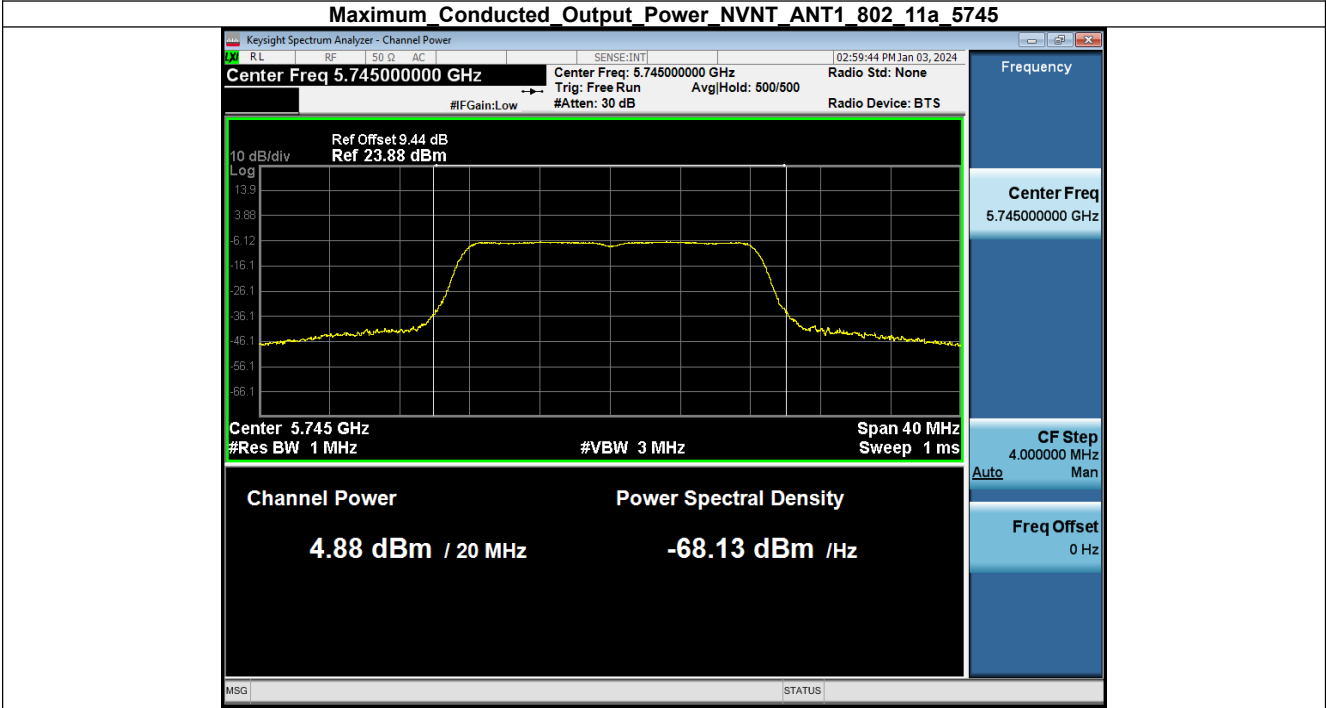


Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_5795

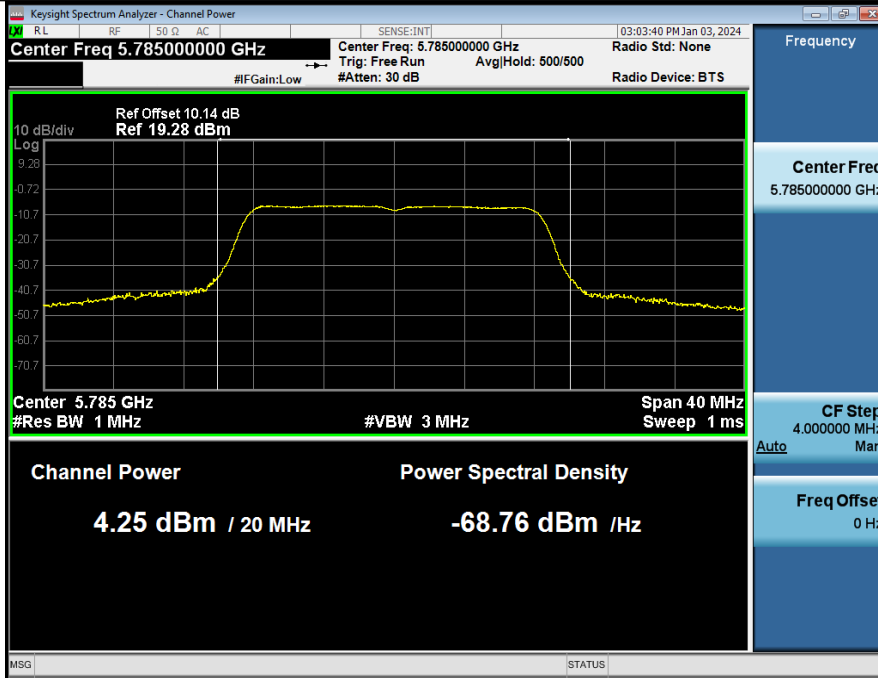


### 4. Maximum Conducted Output Power

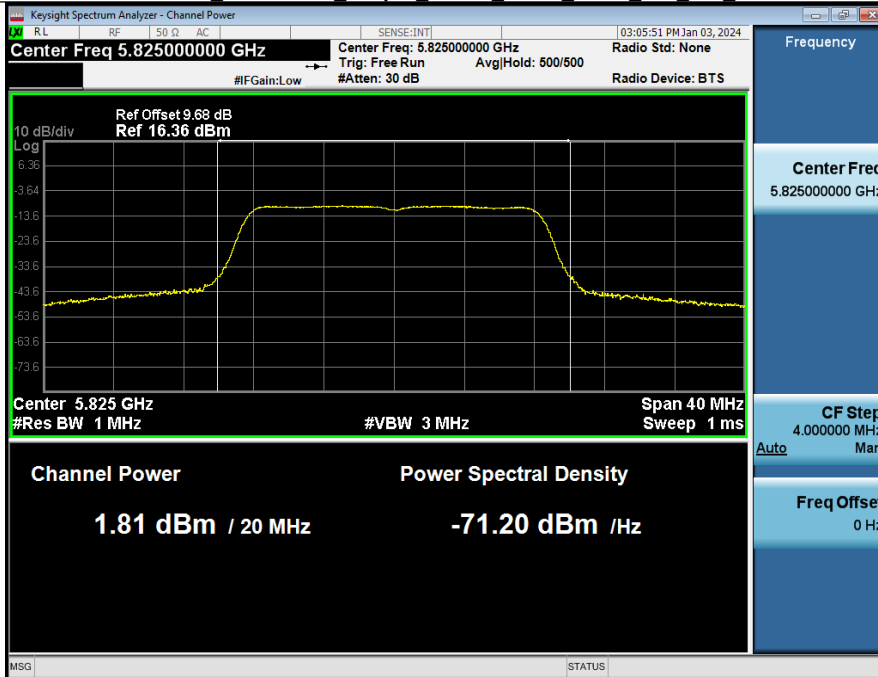
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	4.88	0.41	5.29	30	Pass
NVNT	ANT1	802.11a	5785.00	4.25	0.41	4.66	30	Pass
NVNT	ANT1	802.11a	5825.00	1.81	0.47	2.28	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	5.12	0.55	5.67	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	4.55	0.55	5.10	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	2.09	0.55	2.64	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	4.38	1.06	5.44	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	2.75	0.91	3.66	30	Pass



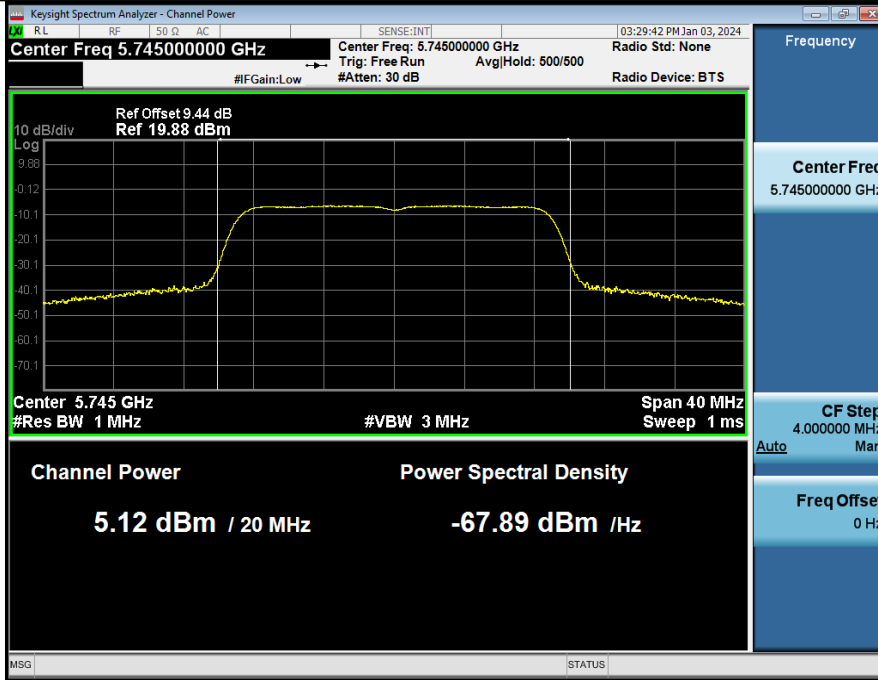
Maximum Conducted Output Power NVNT\_ANT1\_802\_11a\_5785



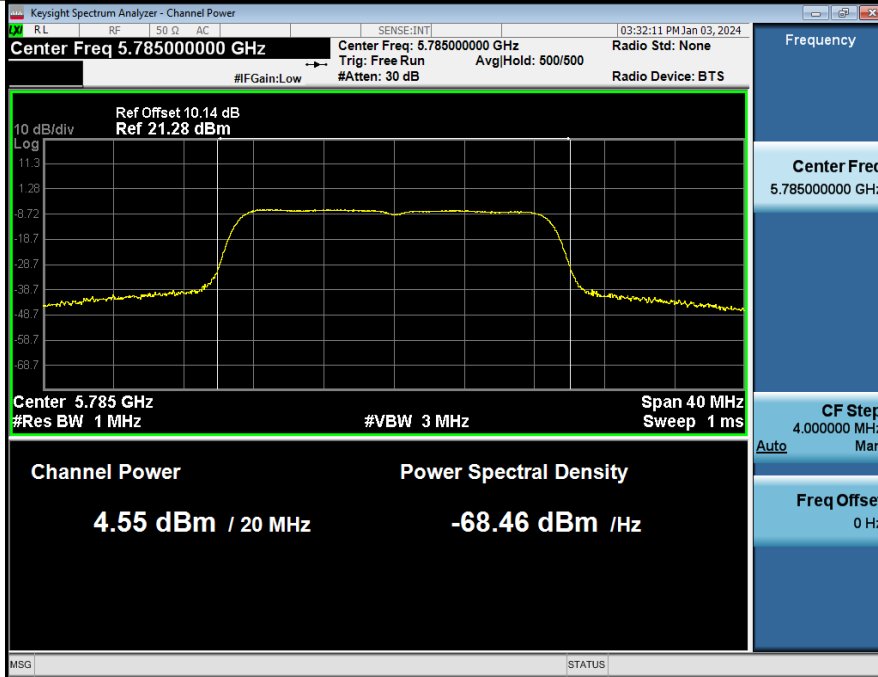
Maximum Conducted Output Power NVNT\_ANT1\_802\_11a\_5825



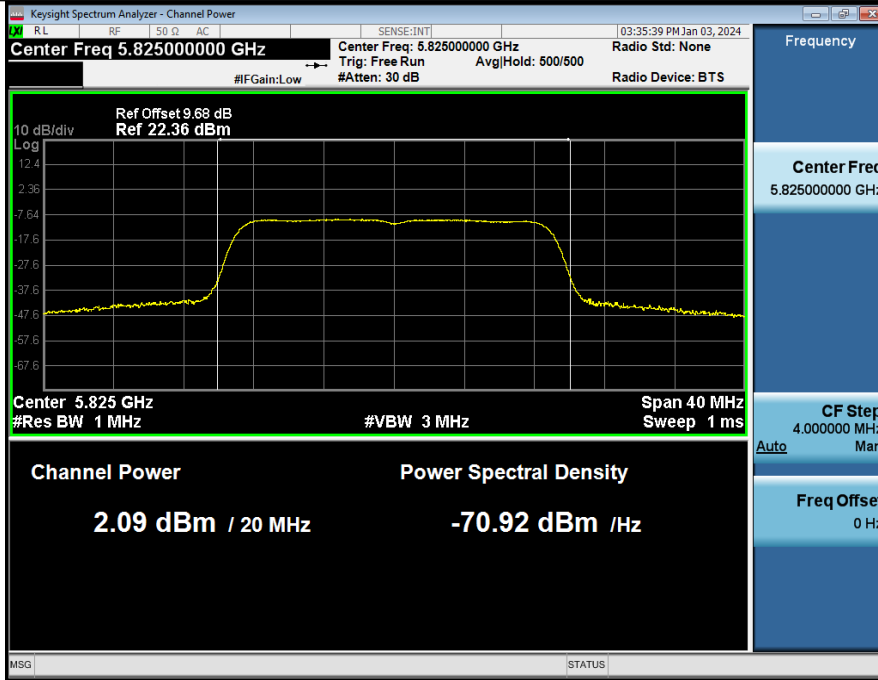
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT20) 5745



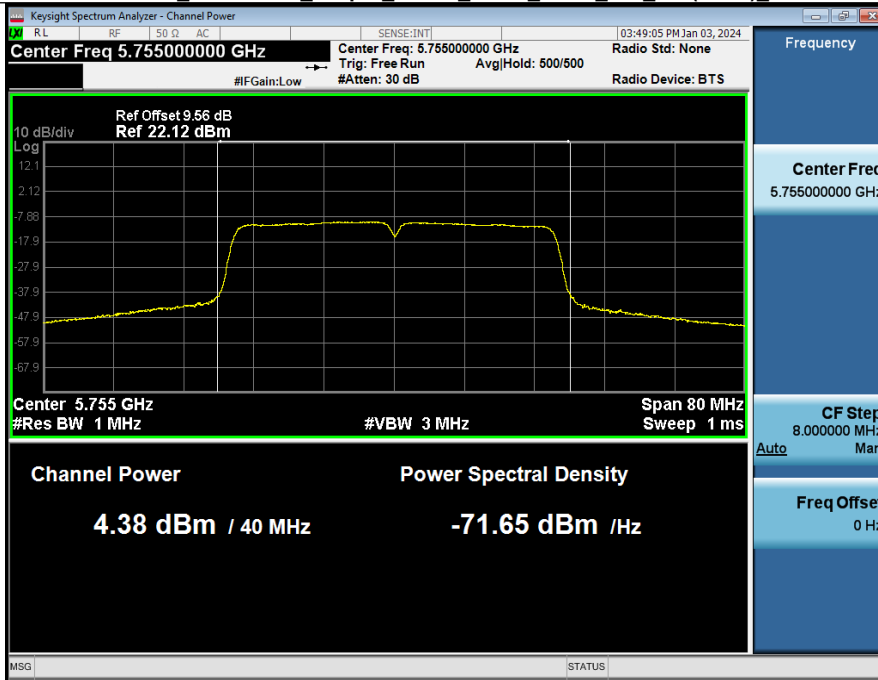
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT20) 5785



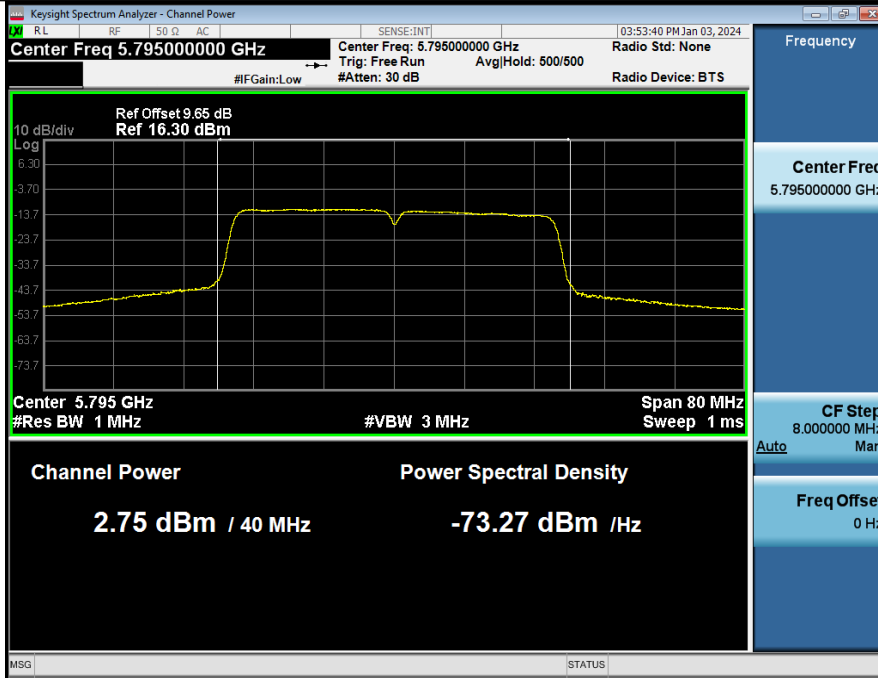
Maximum\_Conducted\_Output\_Power\_NVNT\_ANT1\_802\_11n(HT20)\_5825



Maximum\_Conducted\_Output\_Power\_NVNT\_ANT1\_802\_11n(HT40)\_5755



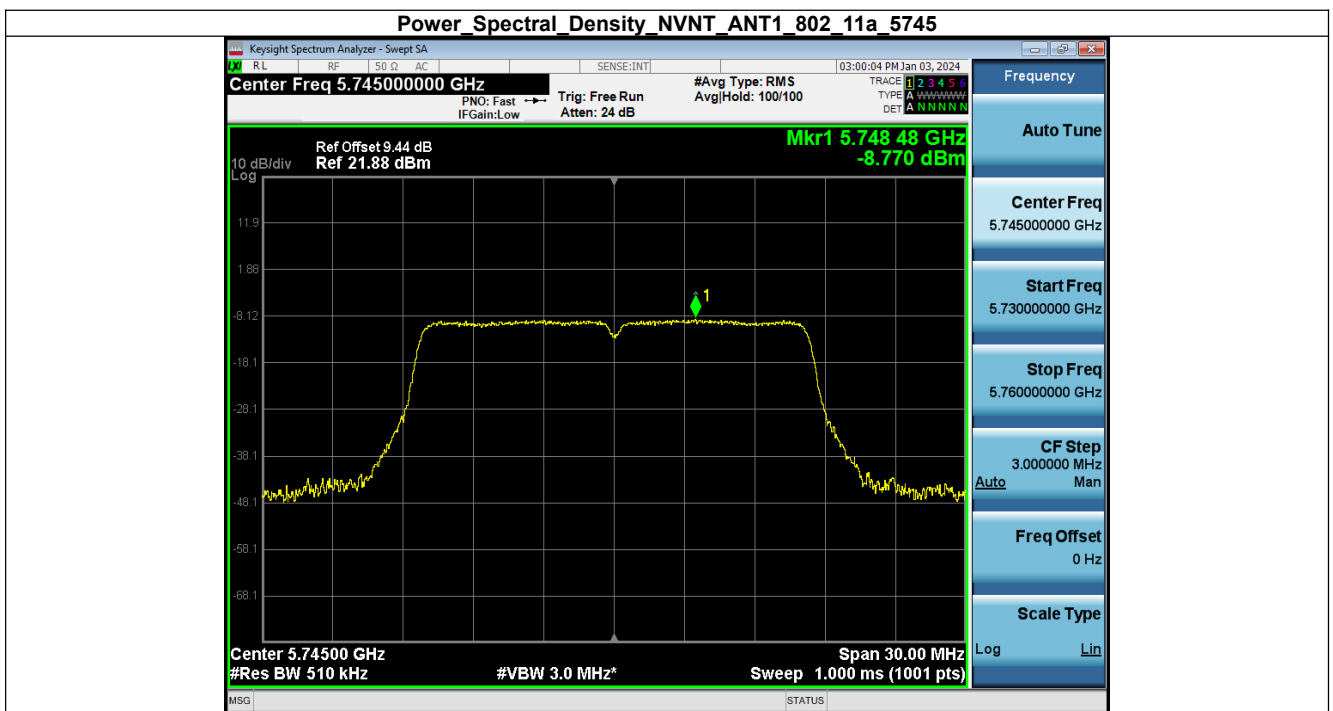
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT40)\_5795



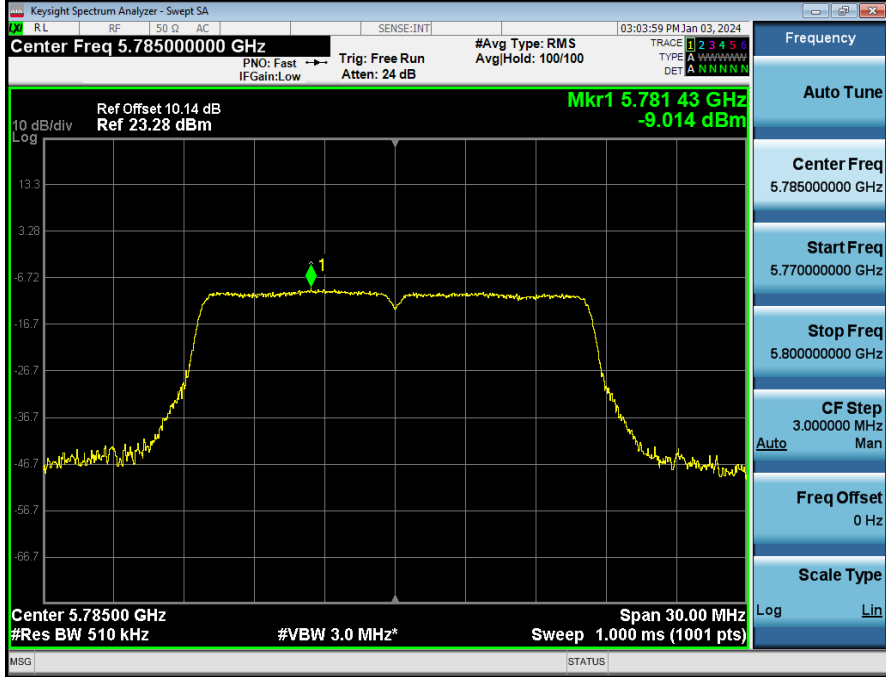


## 5. Power Spectral Density

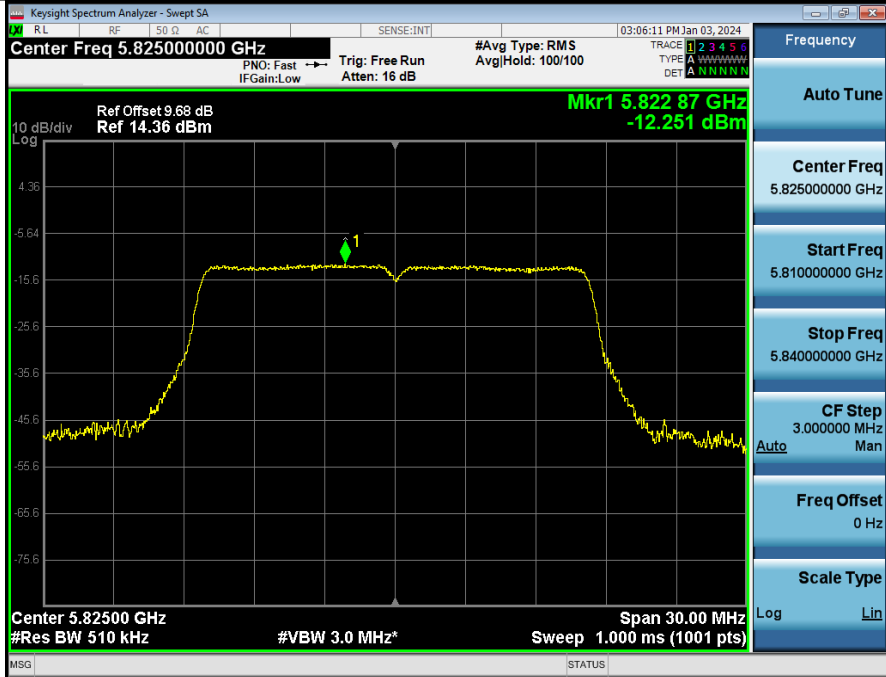
Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA(dBm/RBW)	Duty factor(dB)	RB factor(dB)	PSD(dBm/500kHz)	limit(dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-8.77	0.41	-0	-8.45	30	Pass
NVNT	ANT1	802.11a	5785.00	-9.01	0.41	-0	-8.69	30	Pass
NVNT	ANT1	802.11a	5825.00	-12.25	0.47	-0	-11.87	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-8.97	0.55	-0	-8.51	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-9.31	0.55	-0	-8.85	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-12.08	0.55	-0	-11.62	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-12.34	1.06	-0	-11.37	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-13.94	0.91	-0	-13.11	30	Pass



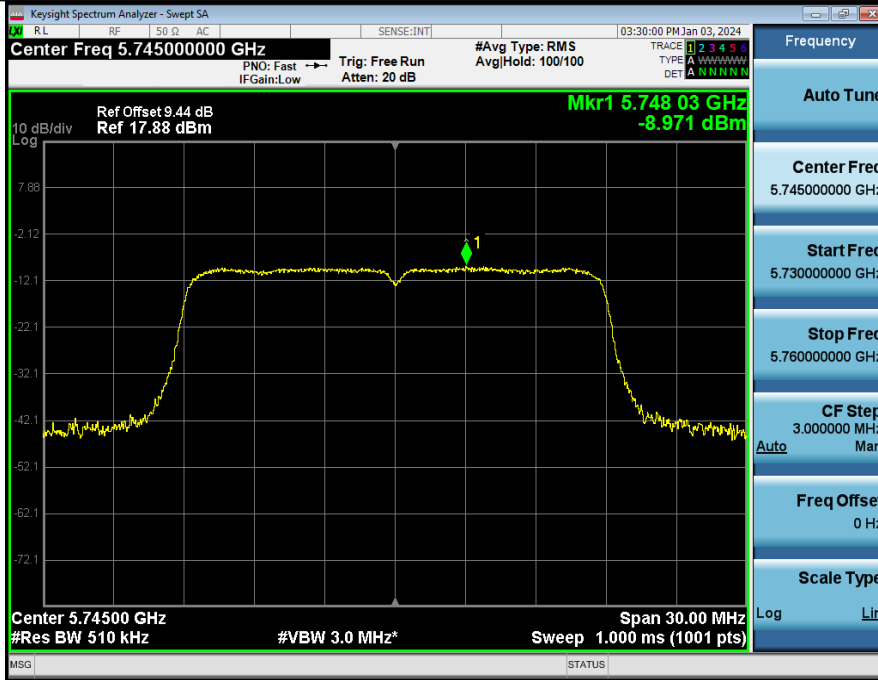
Power Spectral Density NVNT\_ANT1\_802\_11a\_5785



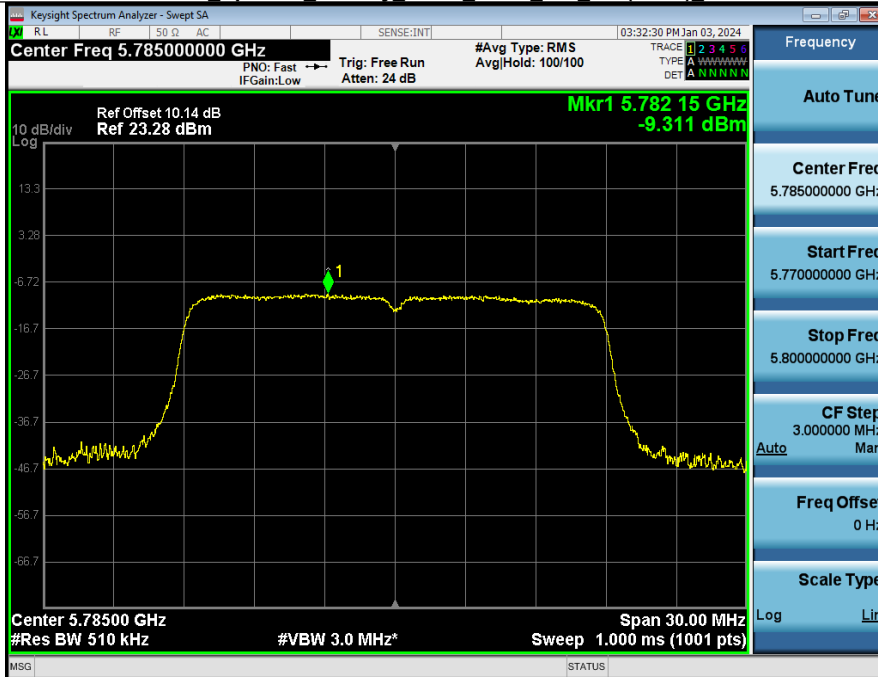
Power Spectral Density NVNT\_ANT1\_802\_11a\_5825



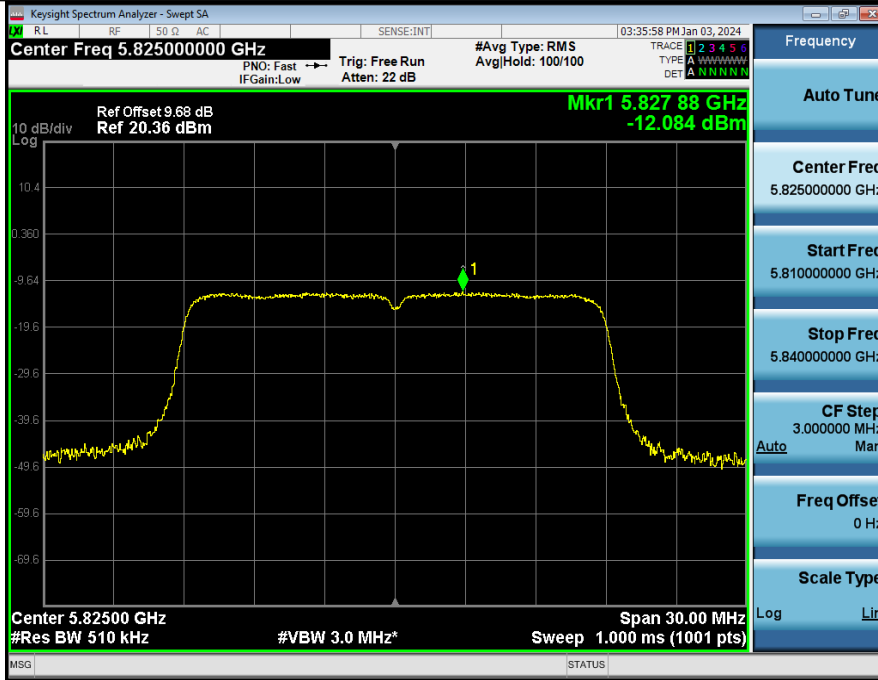
Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5745



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



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



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



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

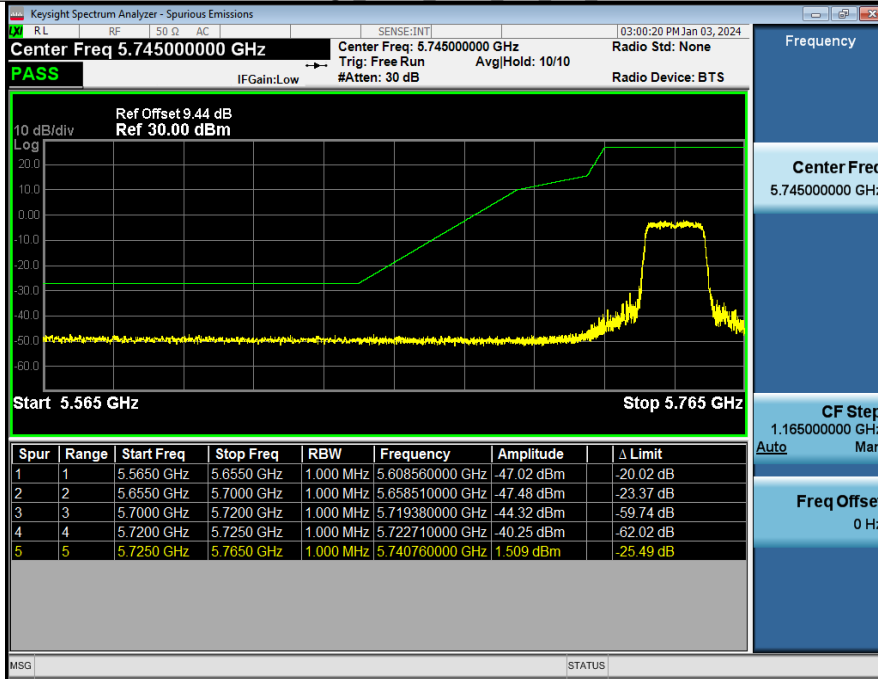


## 6. Bandedge

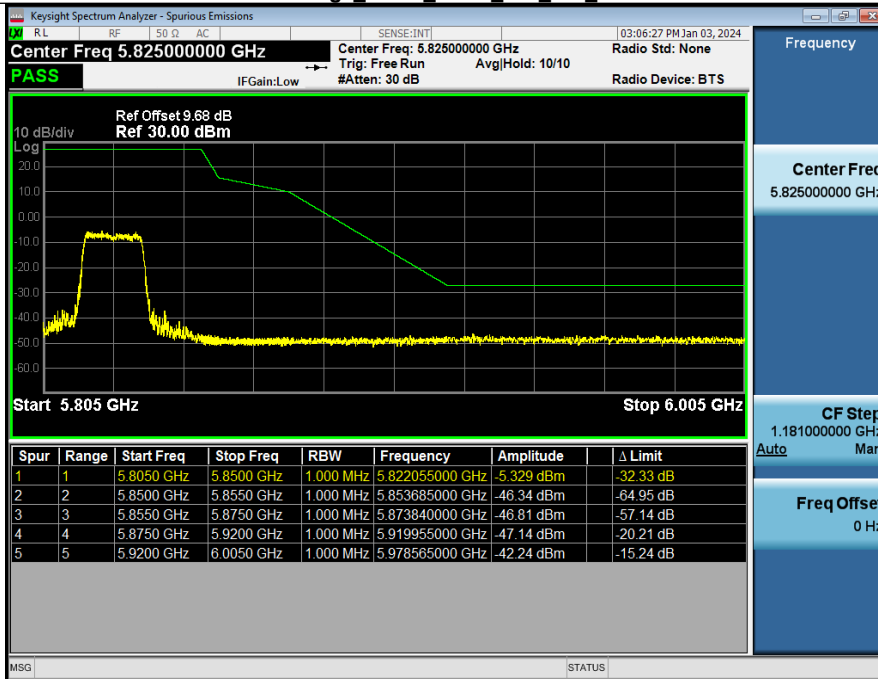
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5608.560	-47.02	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5658.510	-47.48	-24.11	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5719.380	-44.32	15.43	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5722.710	-40.25	21.78	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5853.685	-46.34	18.60	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5873.840	-46.81	10.32	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5919.955	-47.14	-26.96	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5978.565	-42.24	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5605.950	-46.50	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5657.565	-47.62	-24.89	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5716.720	-45.40	14.68	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5724.180	-33.51	25.13	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5852.625	-45.64	21.02	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5874.540	-46.86	10.13	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5918.785	-46.51	-26.00	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5928.670	-42.43	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5595.480	-46.65	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5656.710	-47.48	-25.59	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5719.660	-38.35	15.50	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5721.900	-38.57	19.93	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.865	-47.28	15.91	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5866.440	-46.75	12.40	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5915.860	-46.73	-23.60	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5937.395	-43.35	-27.00	Pass

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

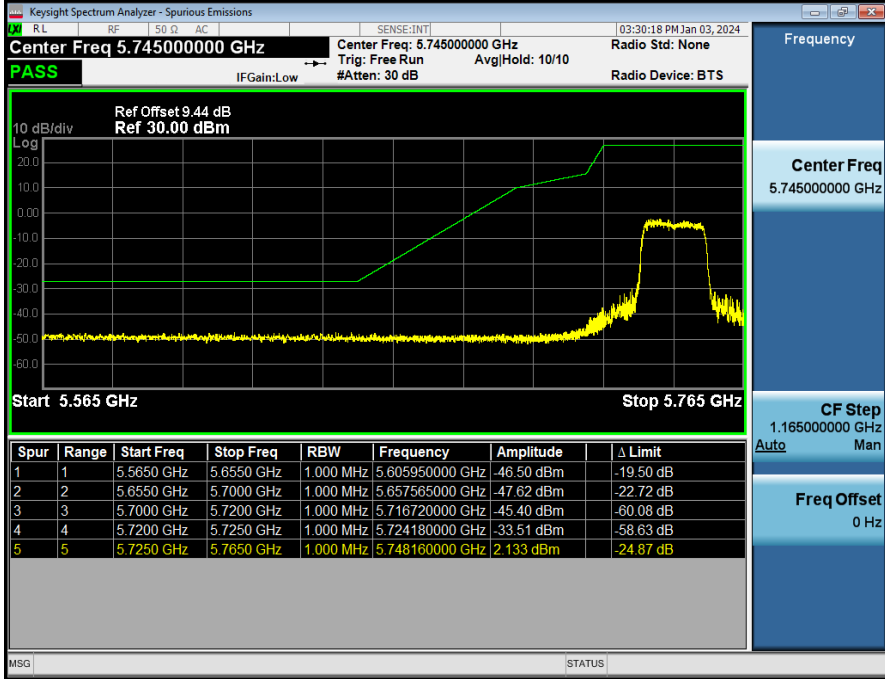
### Bandedge\_NVNT\_ANT1\_802\_11a\_5745



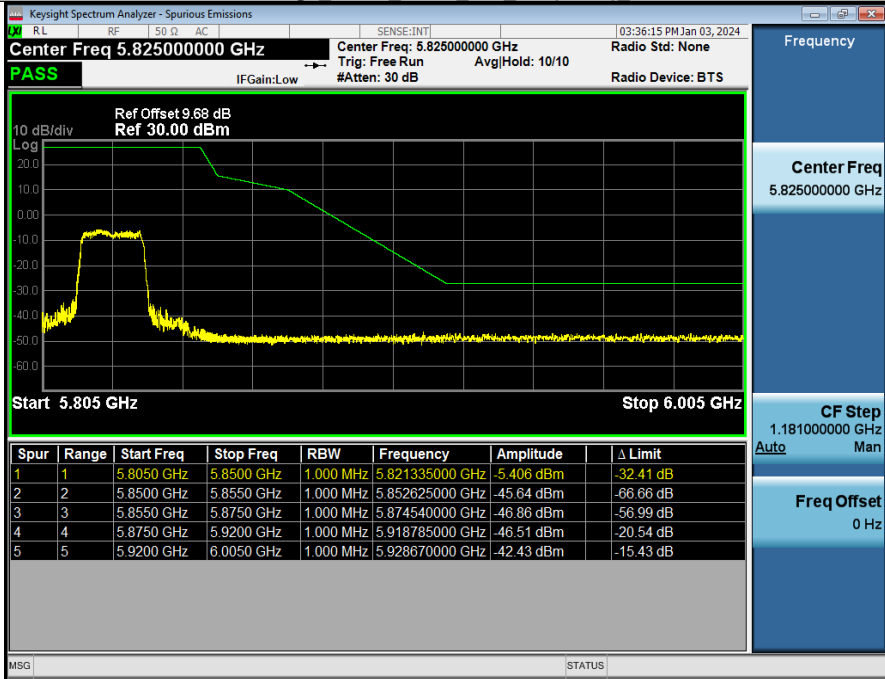
### Bandedge\_NVNT\_ANT1\_802\_11a\_5825



Bandedge\_NVNT\_ANT1\_802\_11n(HT20)\_5745

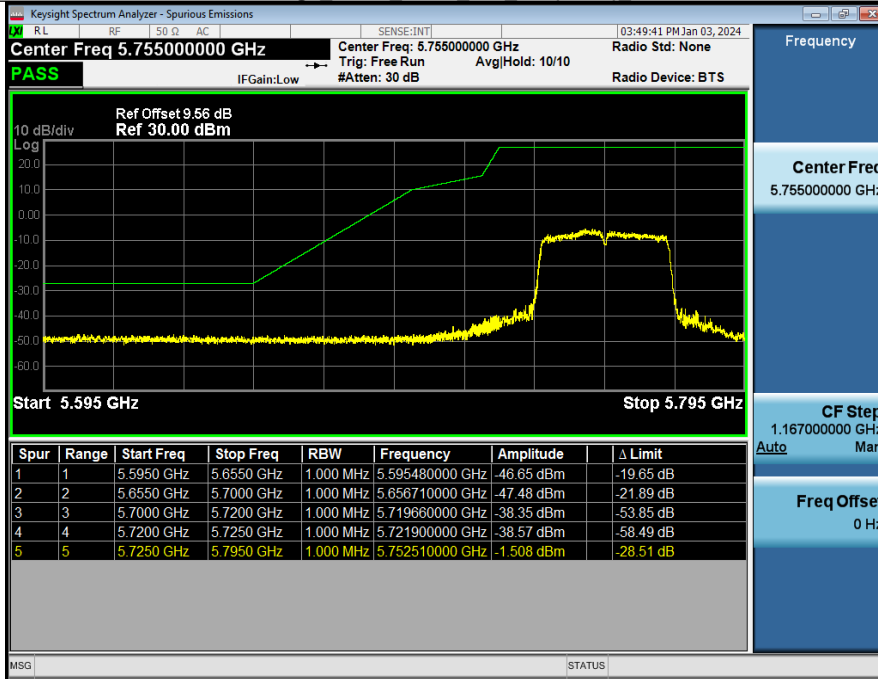


Bandedge\_NVNT\_ANT1\_802\_11n(HT20)\_5825





**Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_5755**



**Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_5795**

