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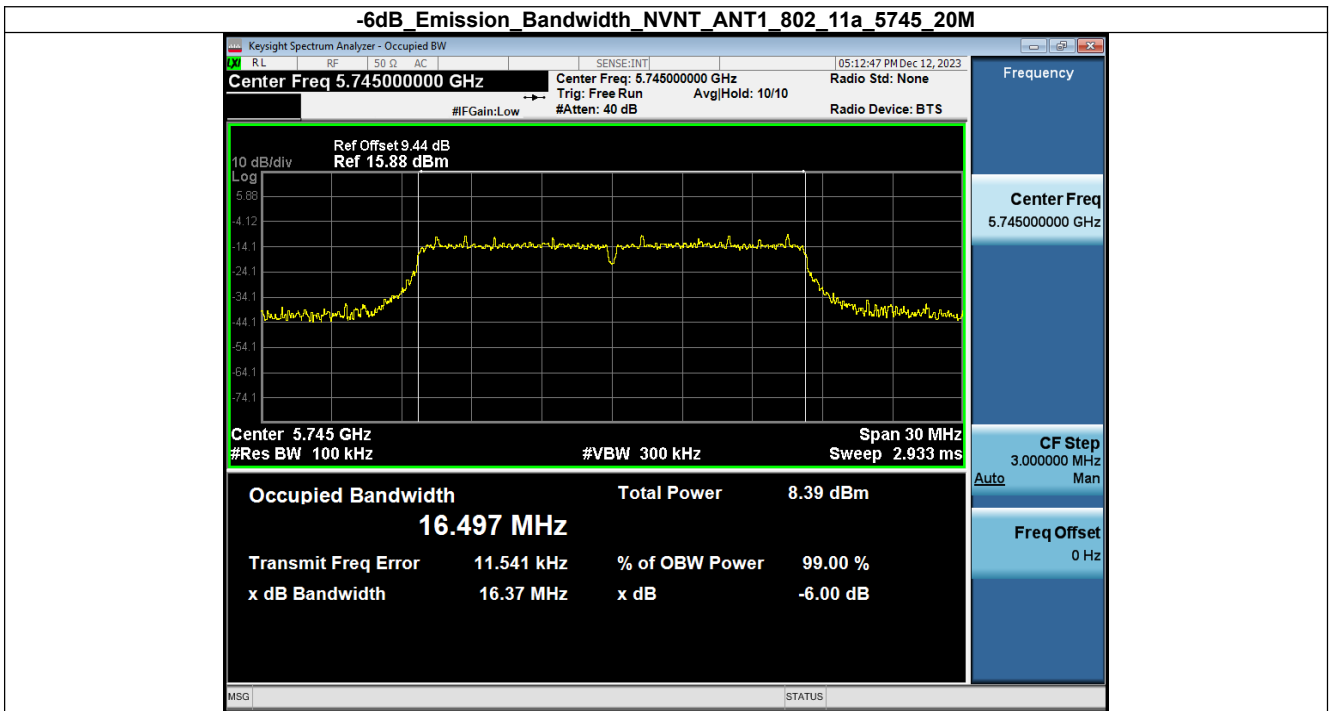
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# FCC ID WIFI5.8

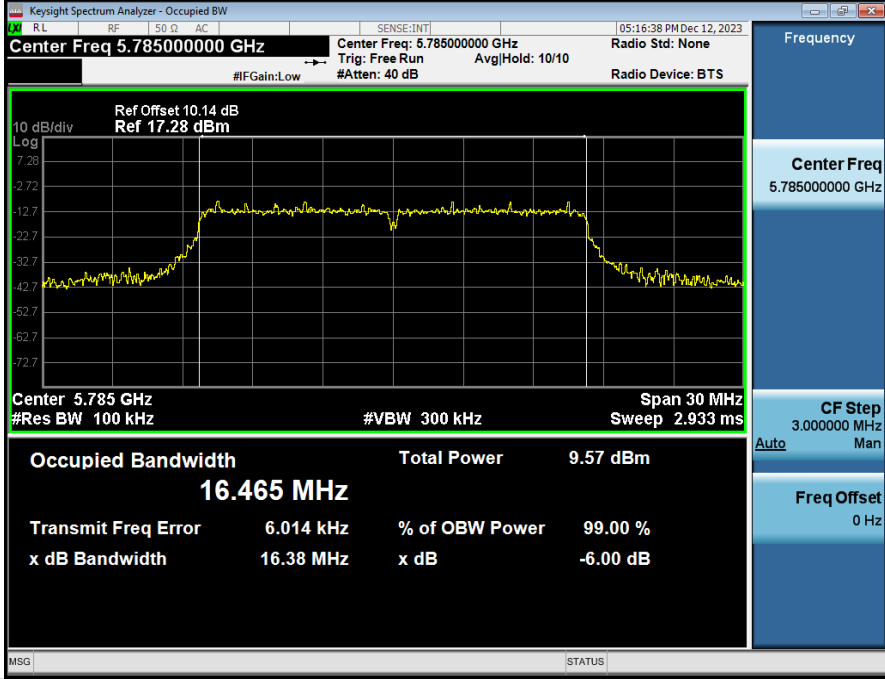
## FCC\_5.8G\_WIFI (Part15.407) Test Data

### 1. -6dB Emission Bandwidth

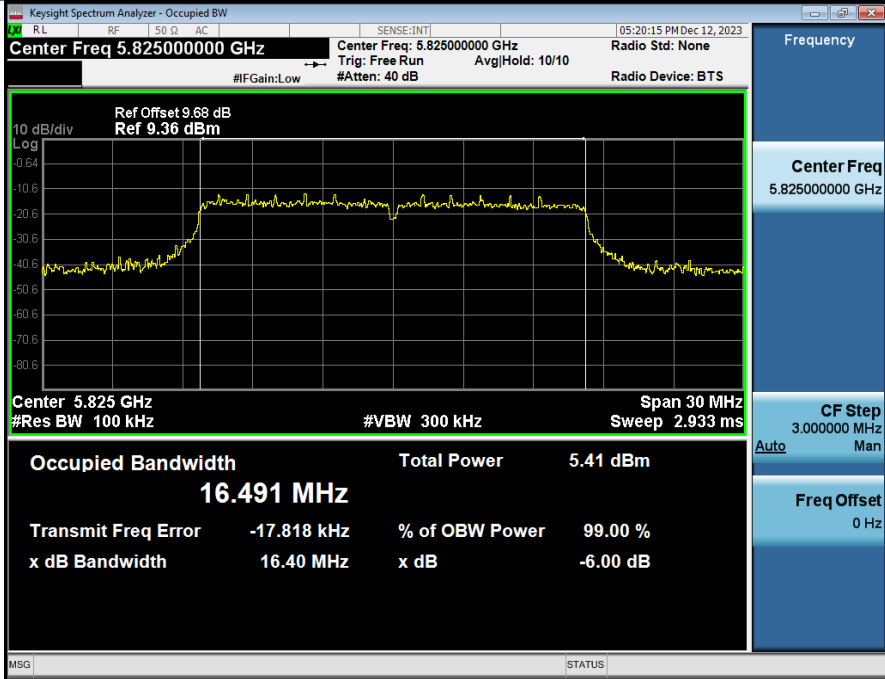
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745.00	16.371	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.377	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.403	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.288	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.581	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.397	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.441	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.542	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.384	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.552	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.610	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.896	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.786	0.500	Pass
NVNT	ANT1	MCH	5775.00	75.360	0.500	Pass



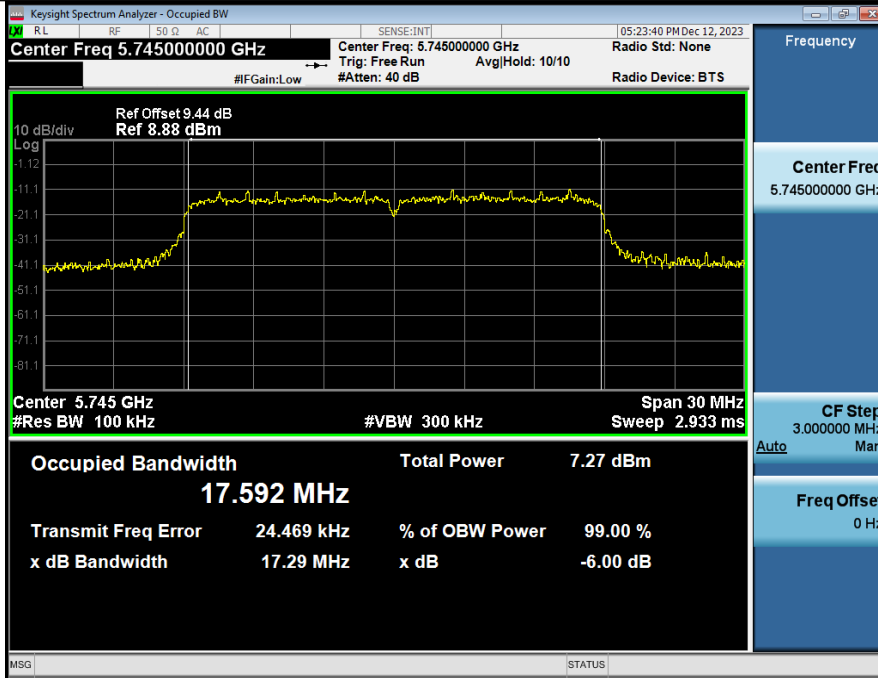
**-6dB Emission Bandwidth\_NVNT\_ANT1\_802\_11a\_5785\_20M**



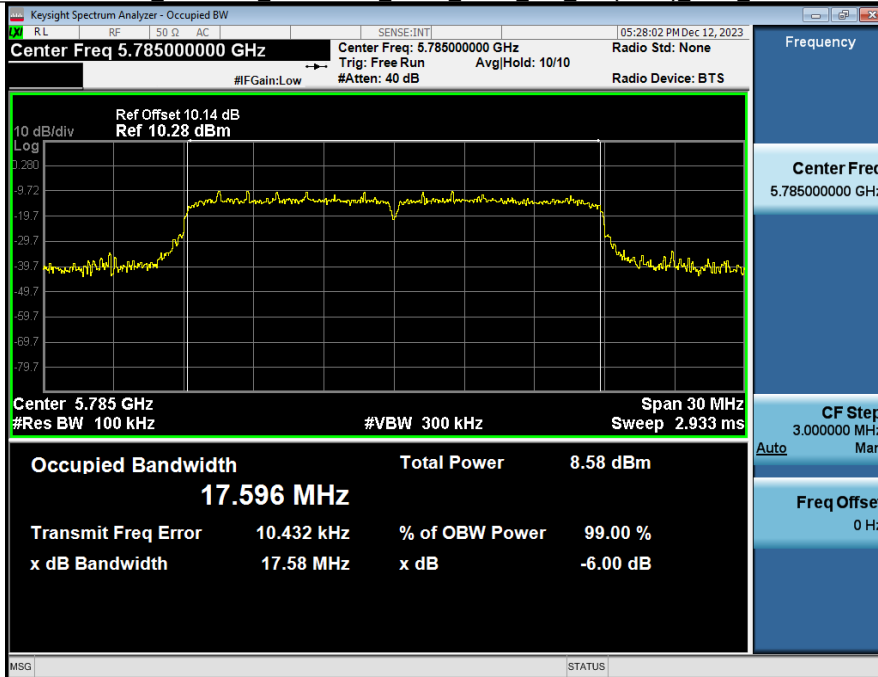
**-6dB Emission Bandwidth\_NVNT\_ANT1\_802\_11a\_5825\_20M**



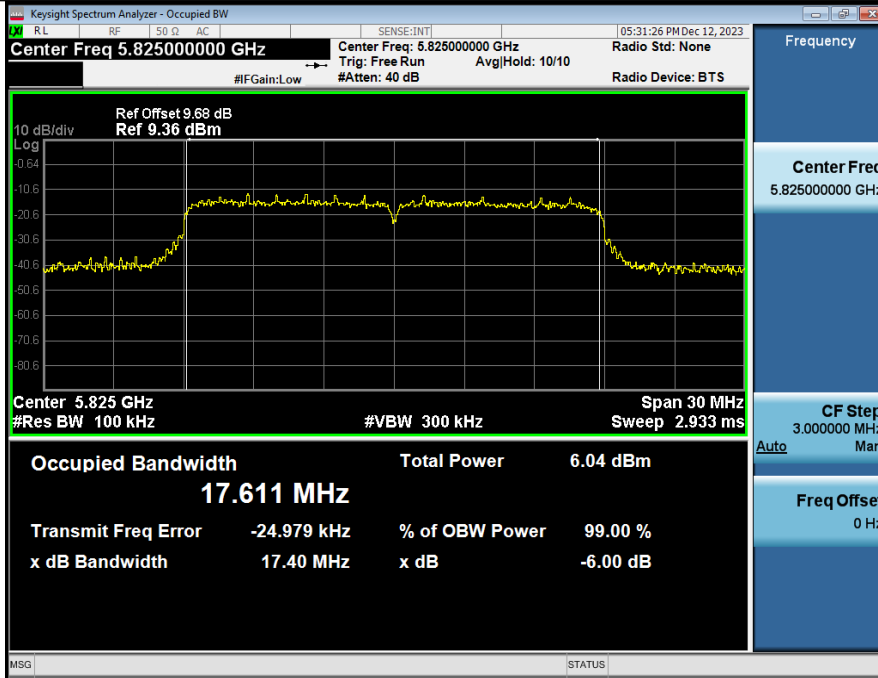
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11n(HT20) 5745\_20M**



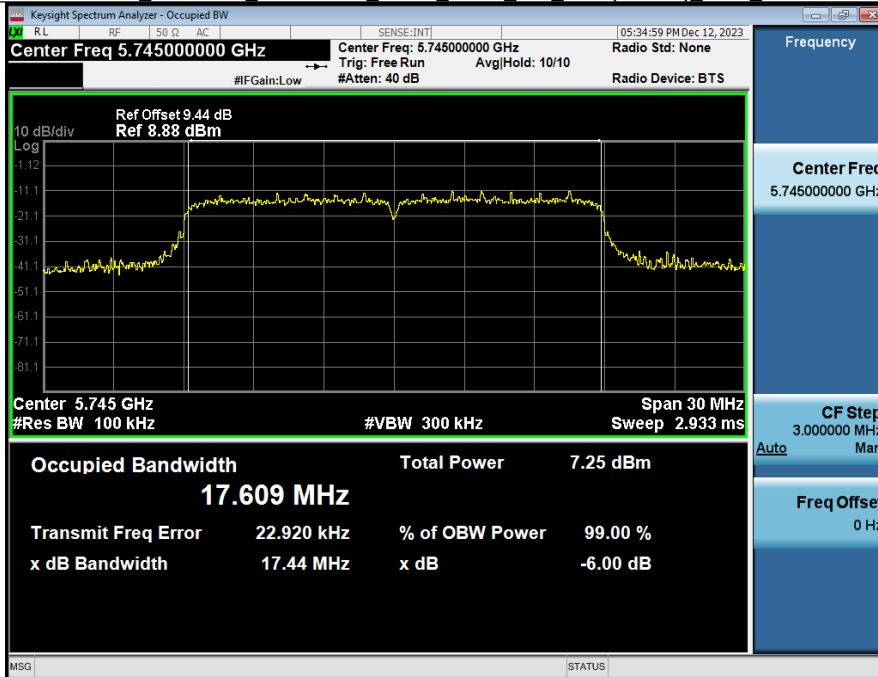
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11n(HT20) 5785\_20M**



**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11n(HT20) 5825\_20M**



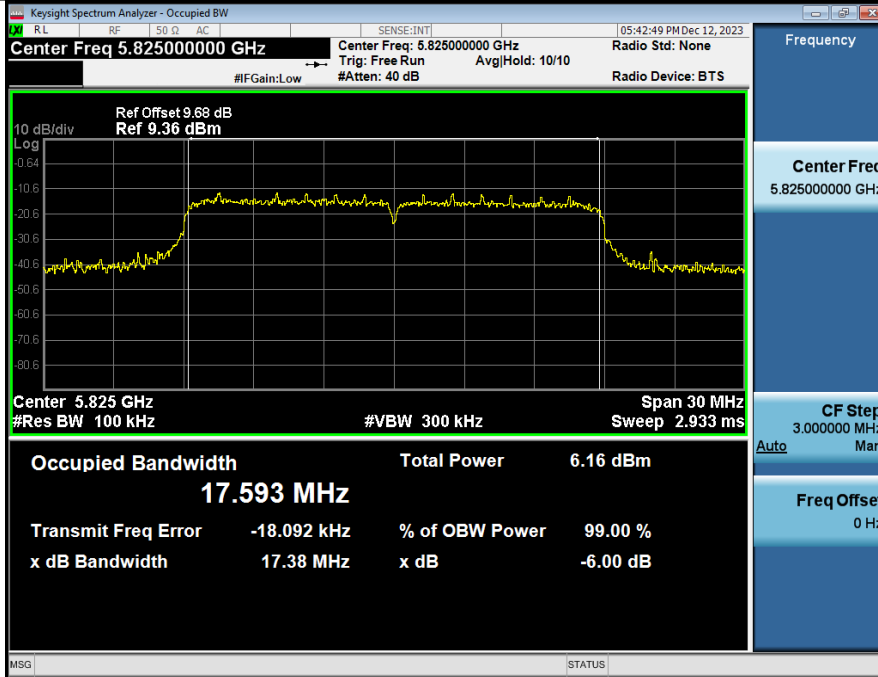
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11ac(VHT20) 5745\_20M**



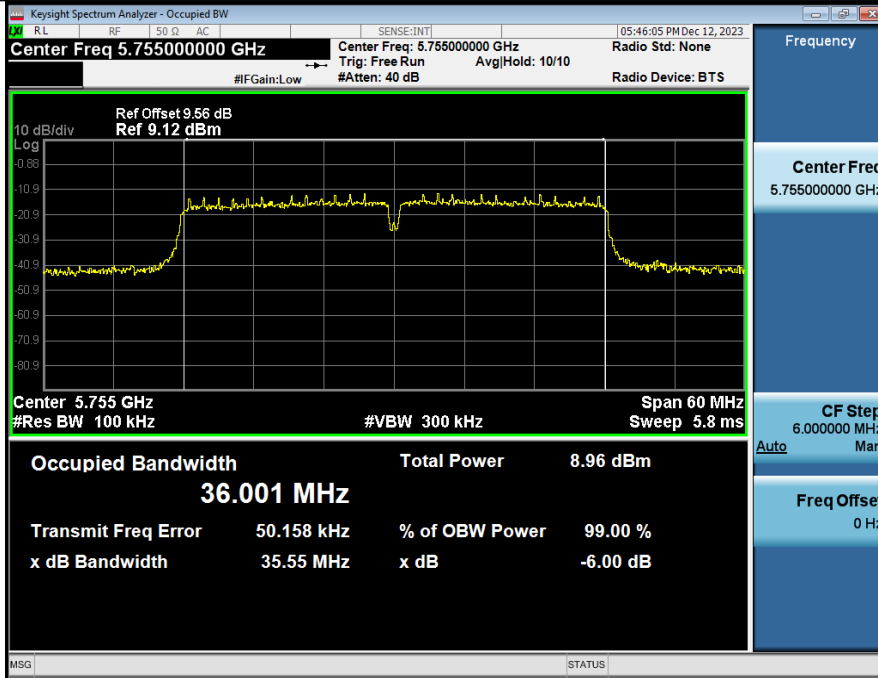
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11ac(VHT20)\_5785\_20M**



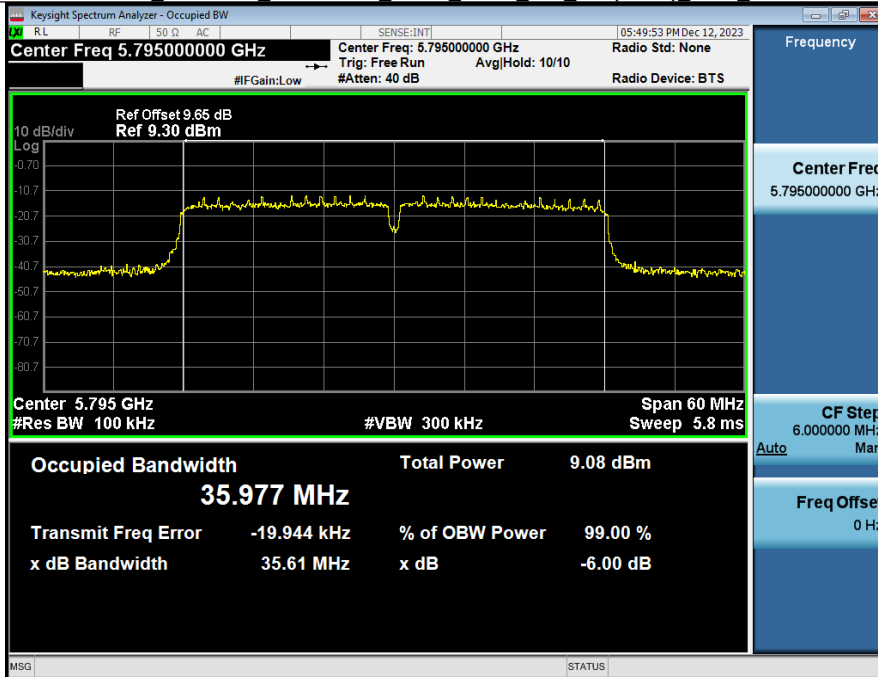
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11ac(VHT20)\_5825\_20M**



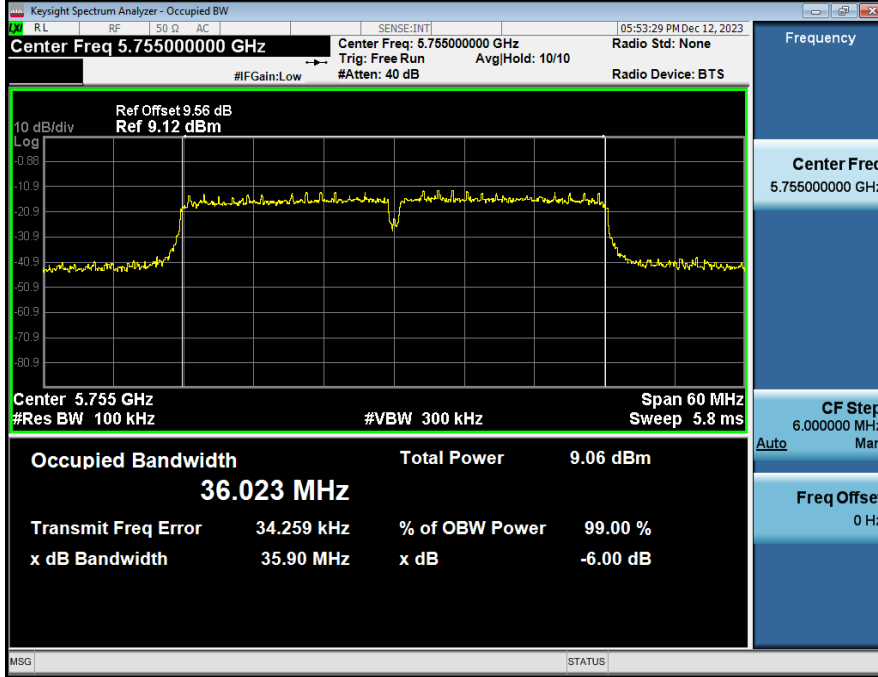
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11n(HT40) 5755\_40M**



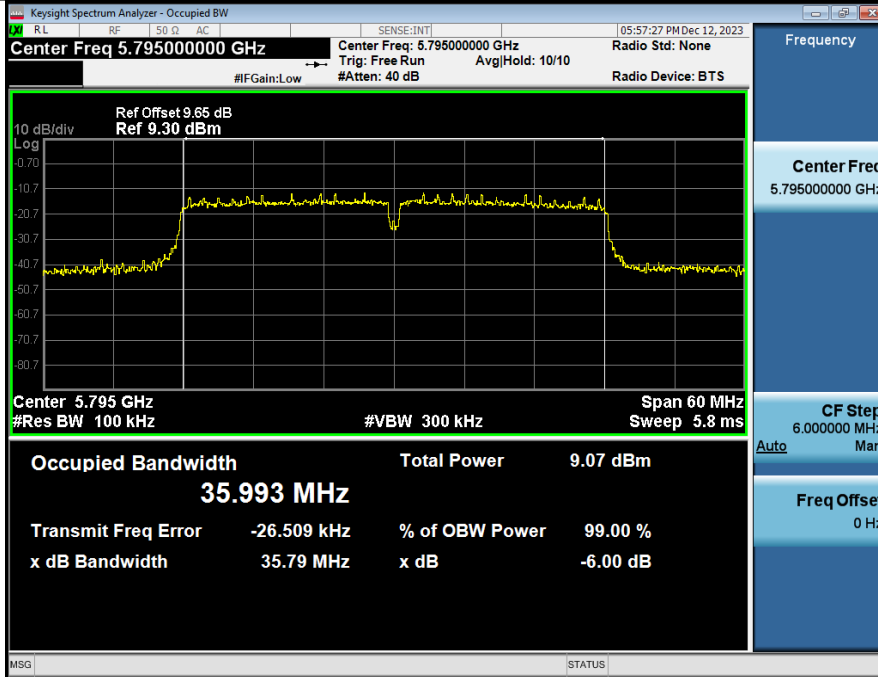
**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11n(HT40) 5795\_40M**



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

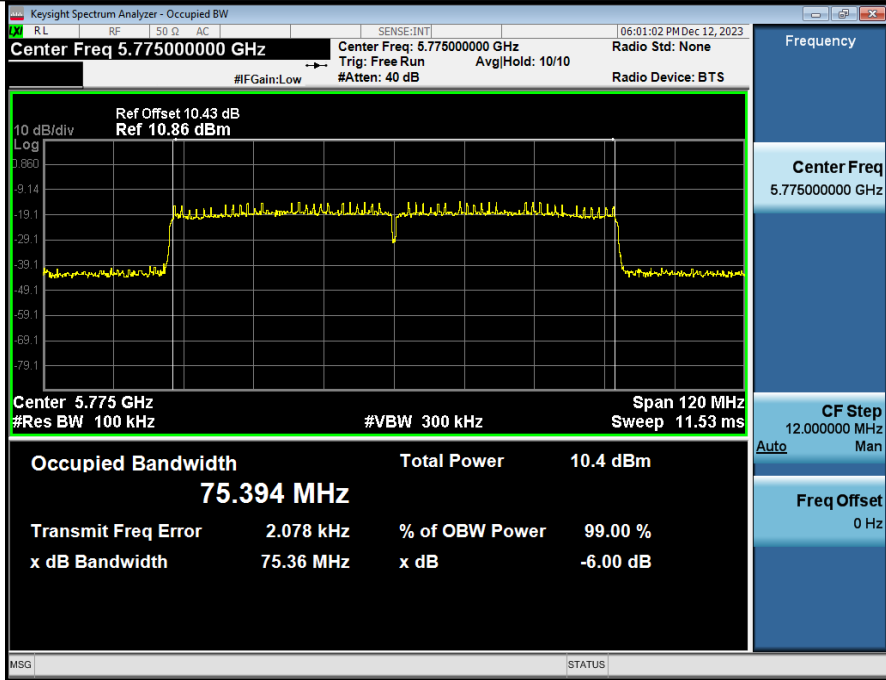


**-6dB Emission Bandwidth NVNT\_ANT1\_802\_11ac(VHT40)\_5795\_40M**



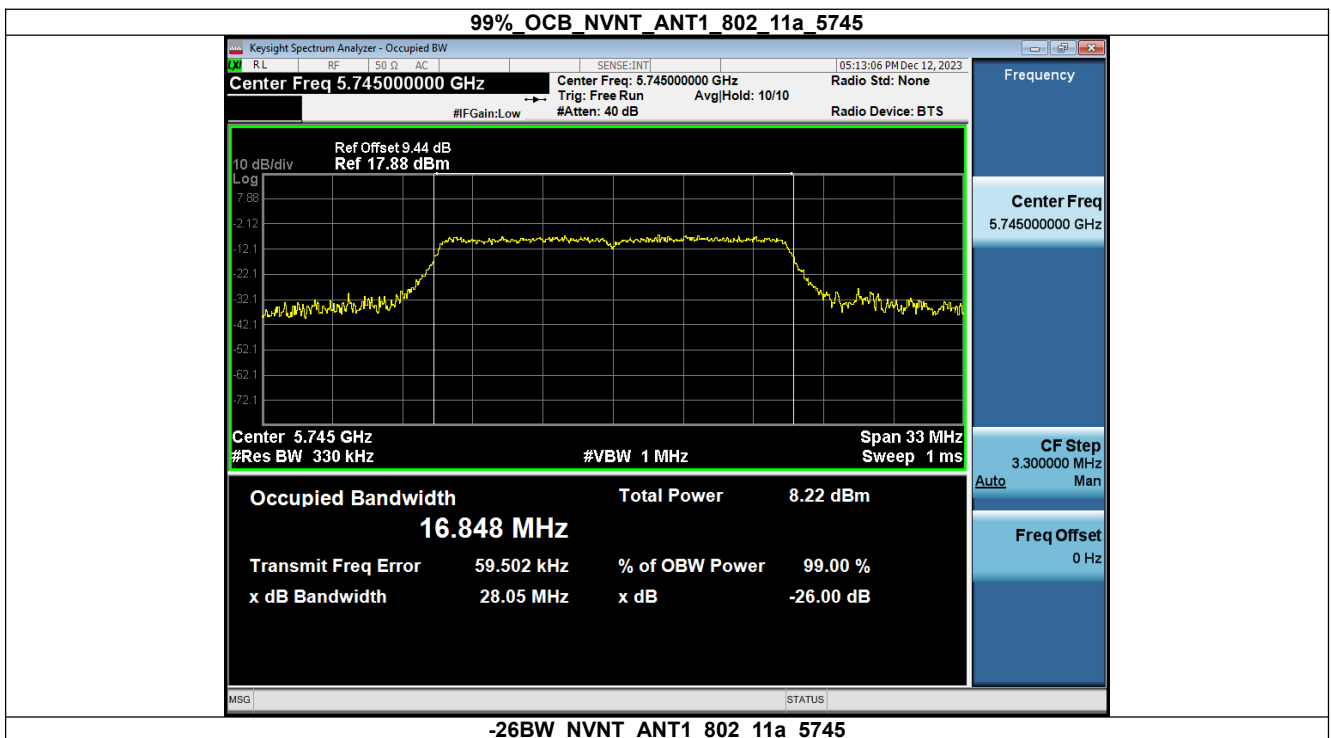


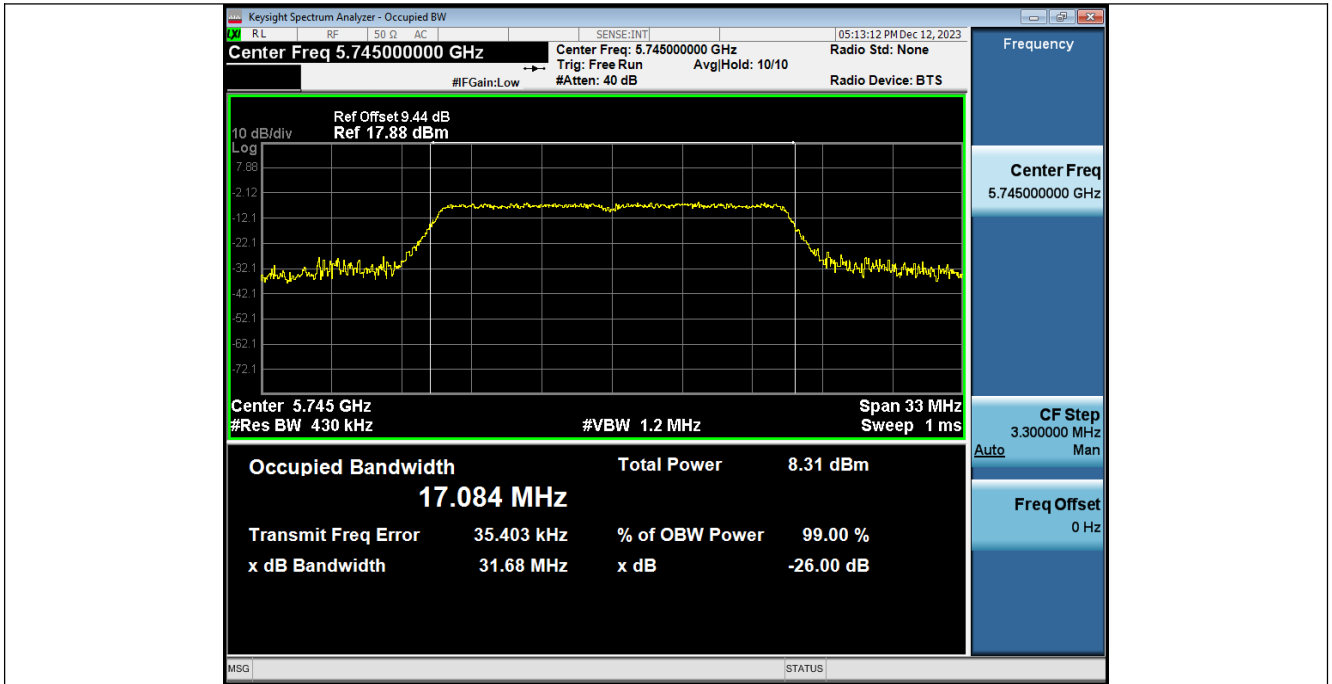
**-6dB Emission Bandwidth\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775\_80M**



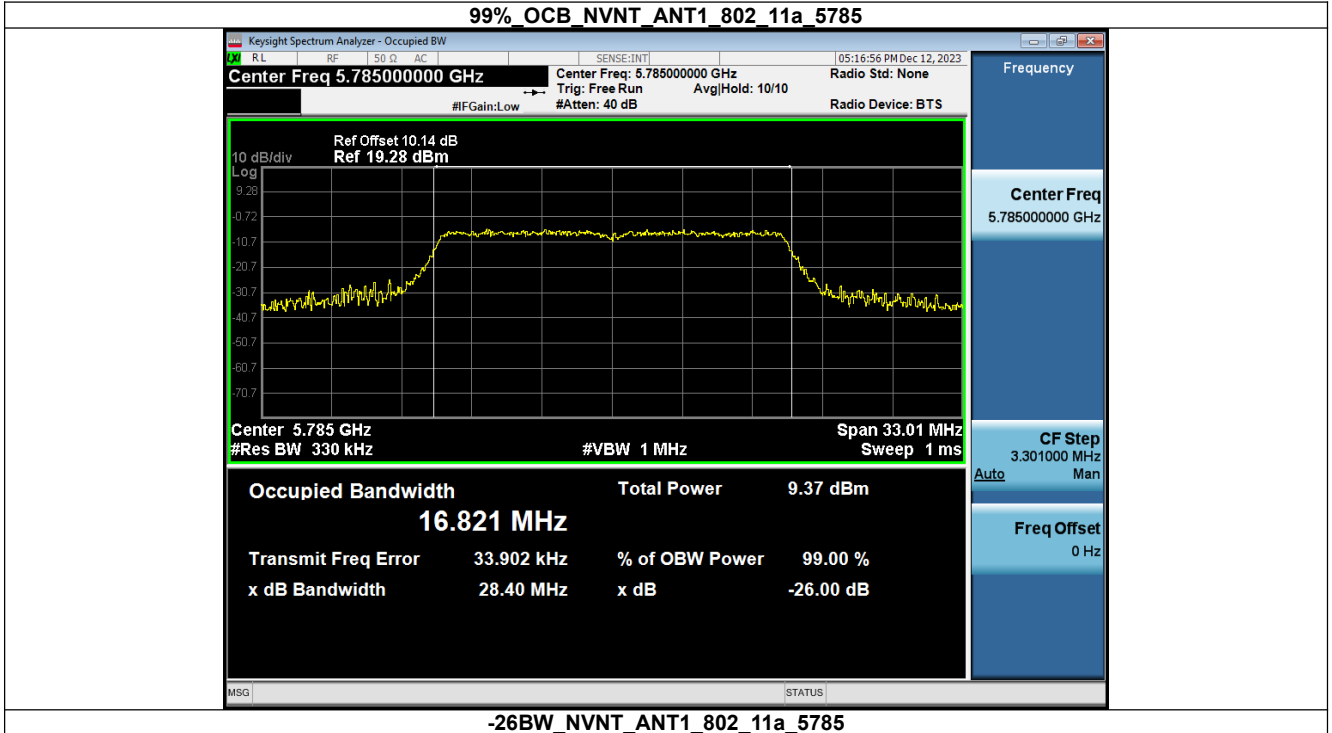
## 2. -26dB and 99% Emission Bandwidth

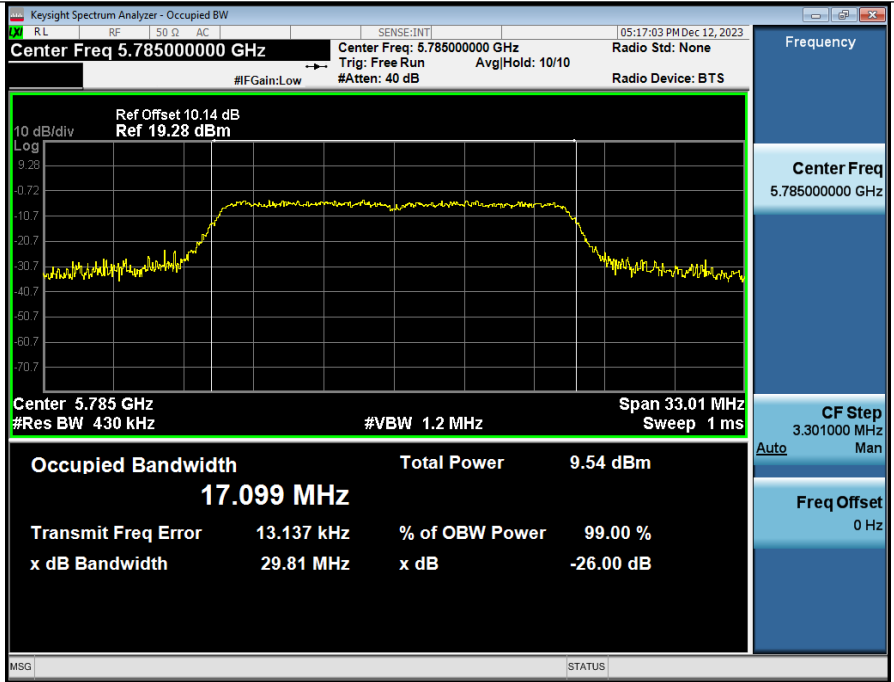
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	31.68	16.85
NVNT	ANT1	802.11a	5785.00	29.81	16.82
NVNT	ANT1	802.11a	5825.00	32.06	16.93
NVNT	ANT1	802.11n(HT20)	5745.00	31.98	17.87
NVNT	ANT1	802.11n(HT20)	5785.00	32.13	17.84
NVNT	ANT1	802.11n(HT20)	5825.00	34.20	17.89
NVNT	ANT1	802.11ac(VHT20)	5745.00	31.71	17.89
NVNT	ANT1	802.11ac(VHT20)	5785.00	31.70	17.87
NVNT	ANT1	802.11ac(VHT20)	5825.00	34.39	17.93
NVNT	ANT1	802.11n(HT40)	5755.00	51.60	36.42
NVNT	ANT1	802.11n(HT40)	5795.00	47.99	36.34
NVNT	ANT1	802.11ac(VHT40)	5755.00	51.99	36.38
NVNT	ANT1	802.11ac(VHT40)	5795.00	50.80	36.26
NVNT	ANT1	802.11ac(VHT80)	5775.00	130.03	75.92



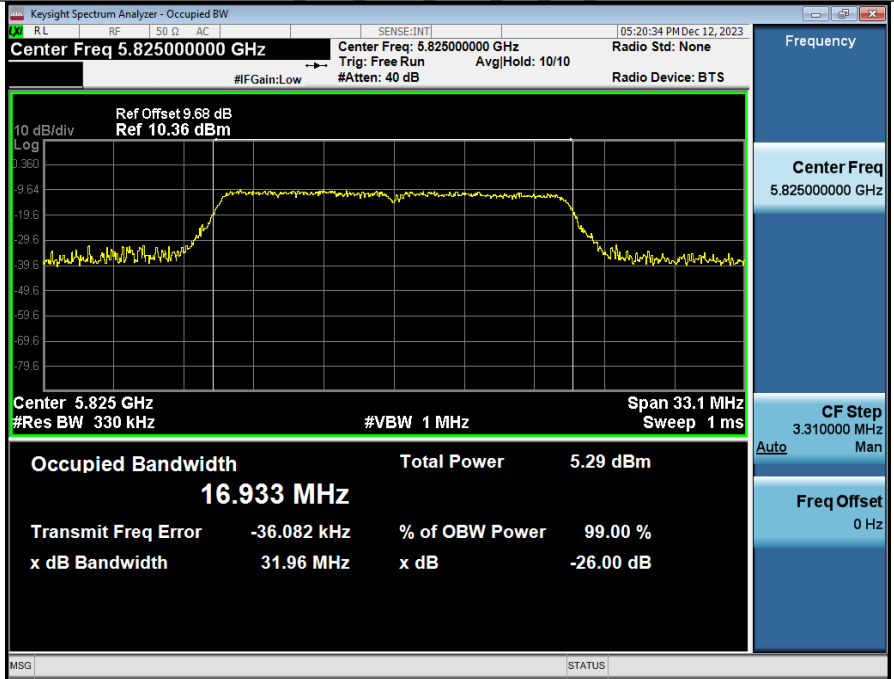


99%\_OCB\_NVNT\_ANT1\_802\_11a\_5785

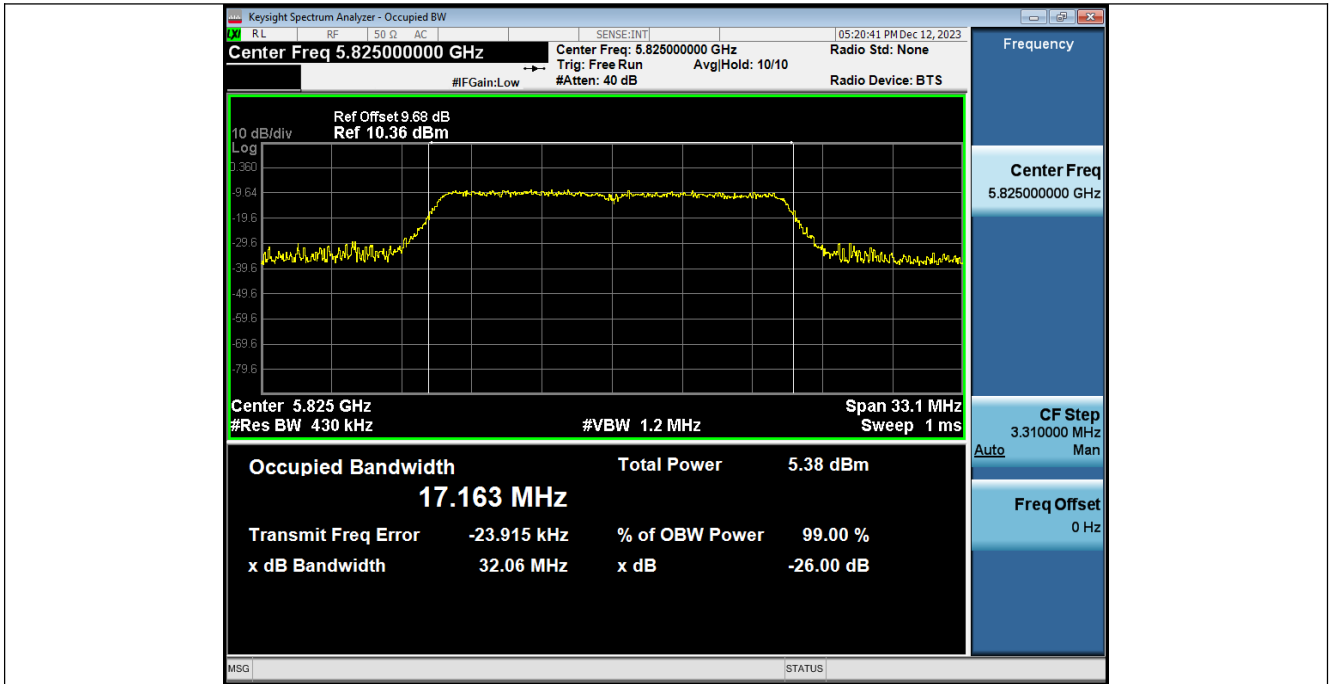




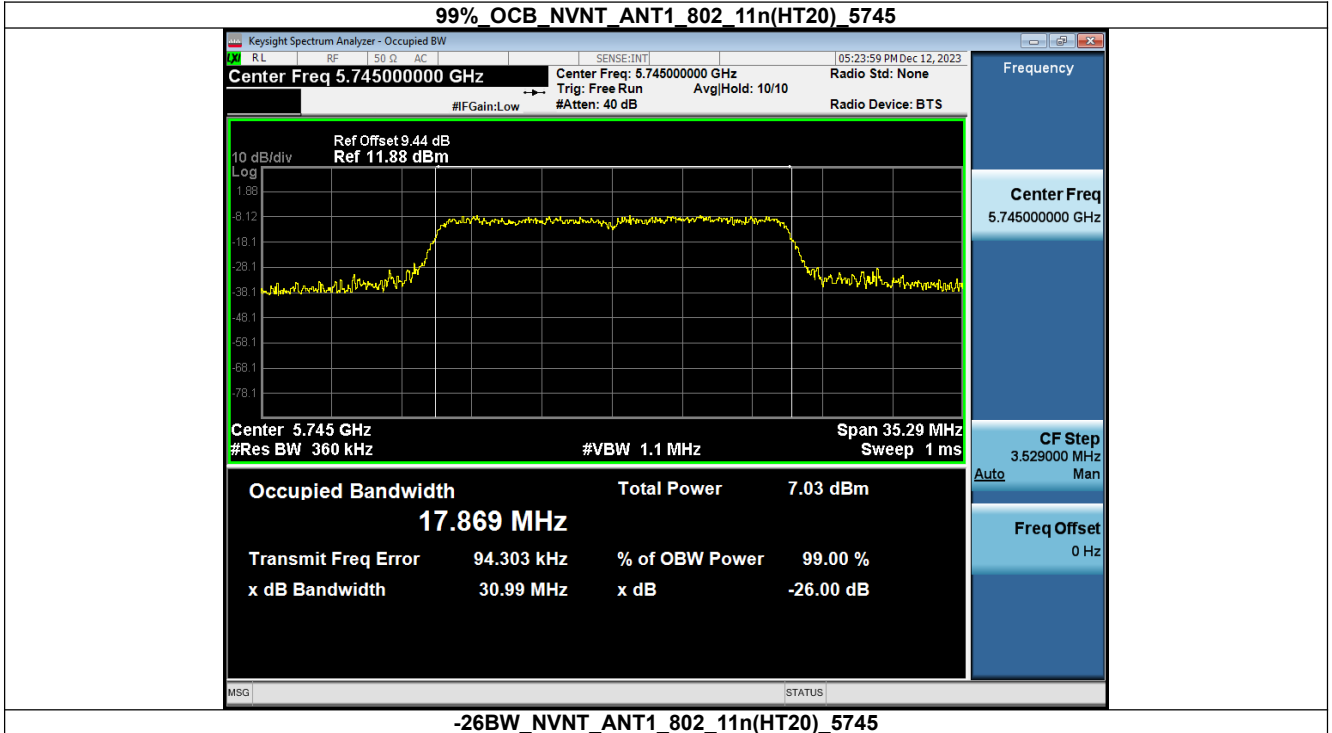
99% OCB NVNT\_ANT1\_802\_11a\_5825

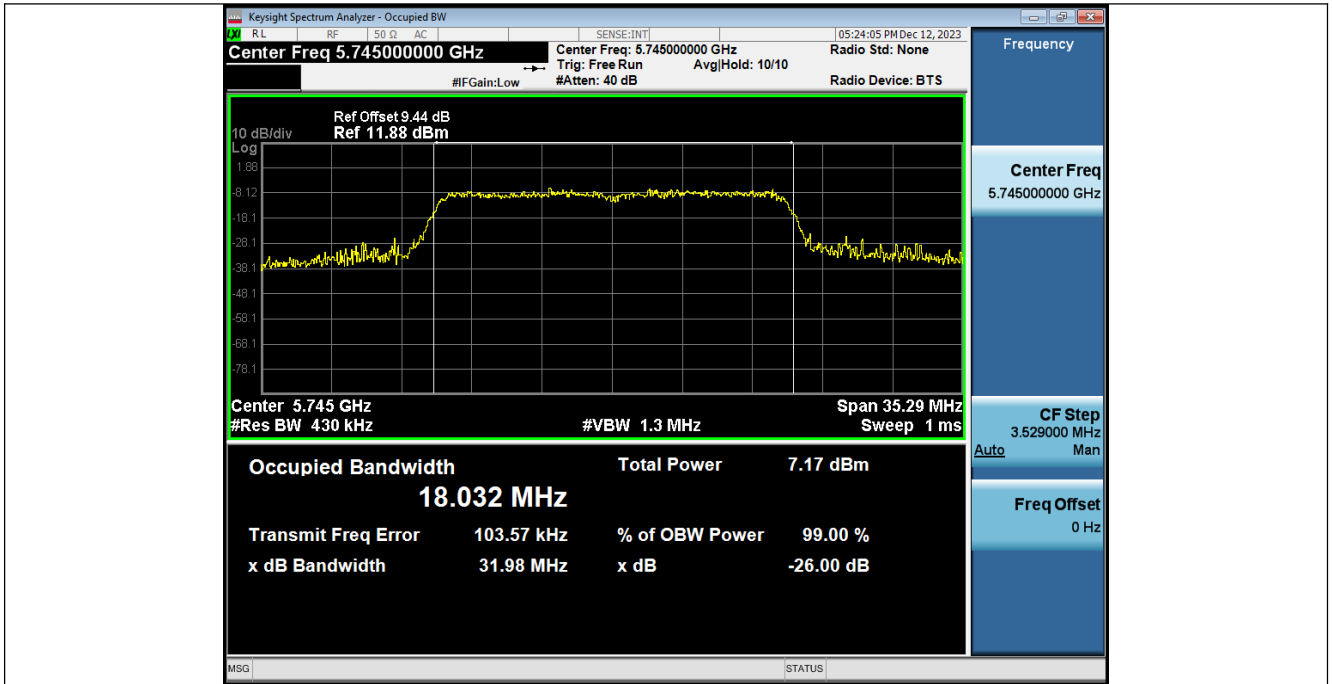


-26BW\_NVNT\_ANT1\_802\_11a\_5825

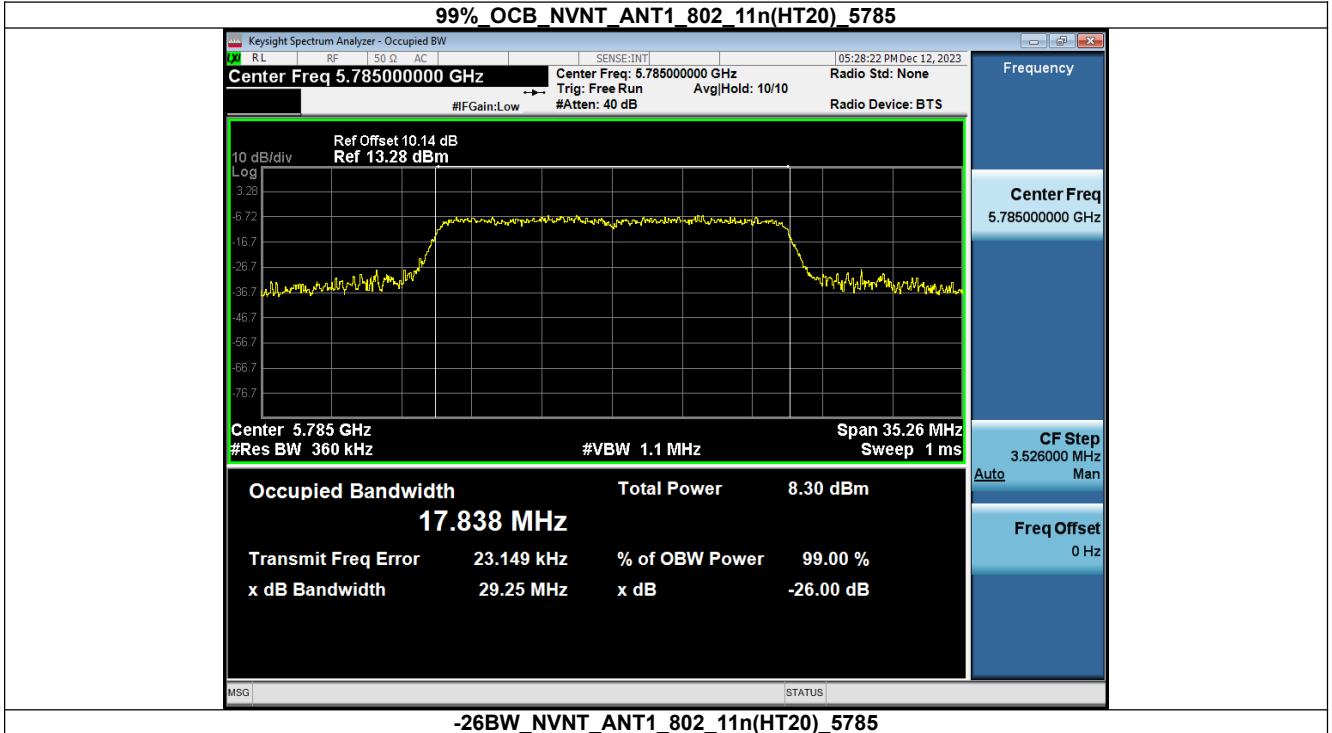


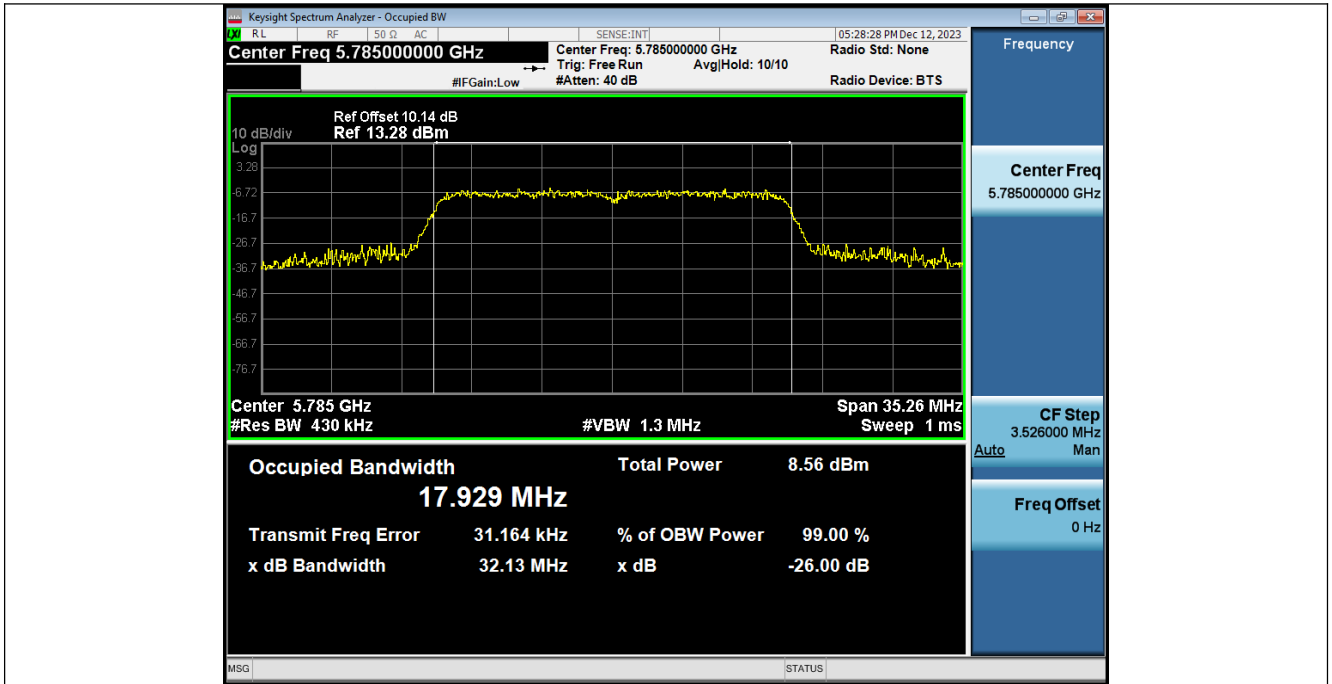
99%\_OCB\_NVNT\_ANT1\_802\_11n(HT20)\_5745



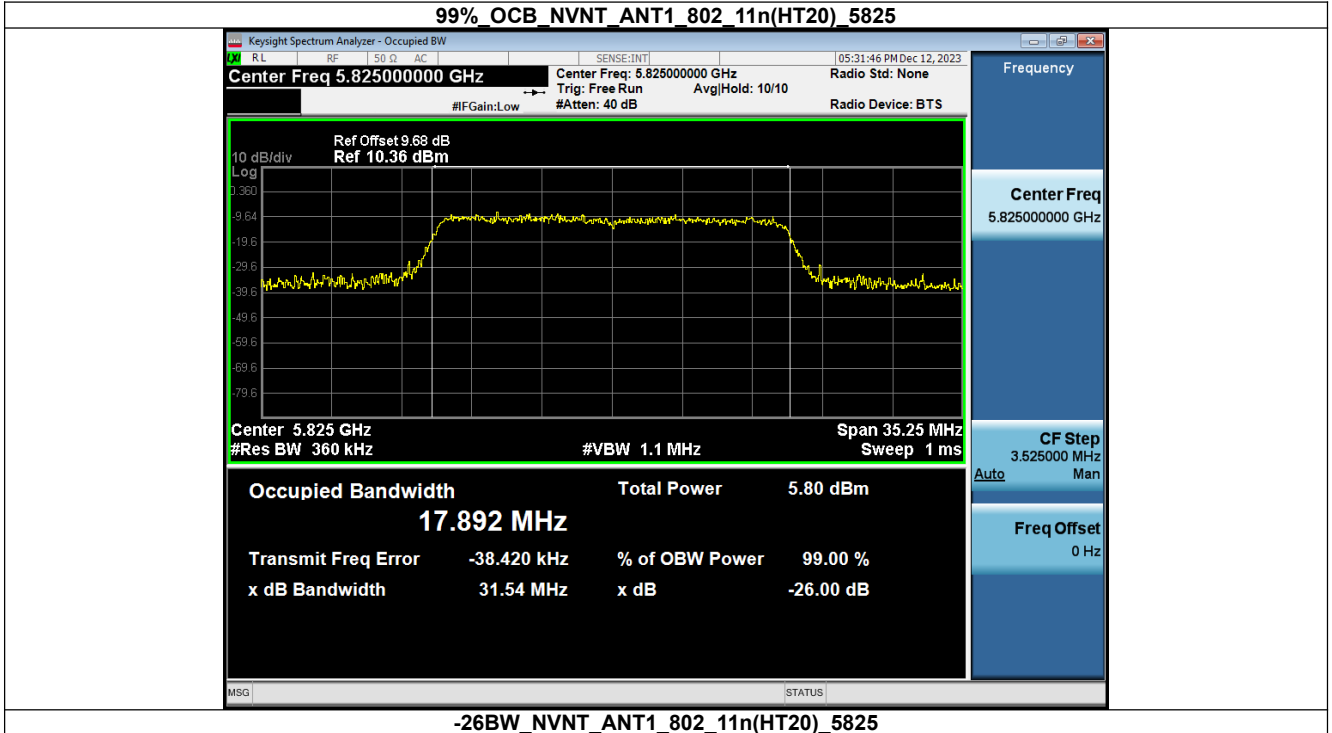


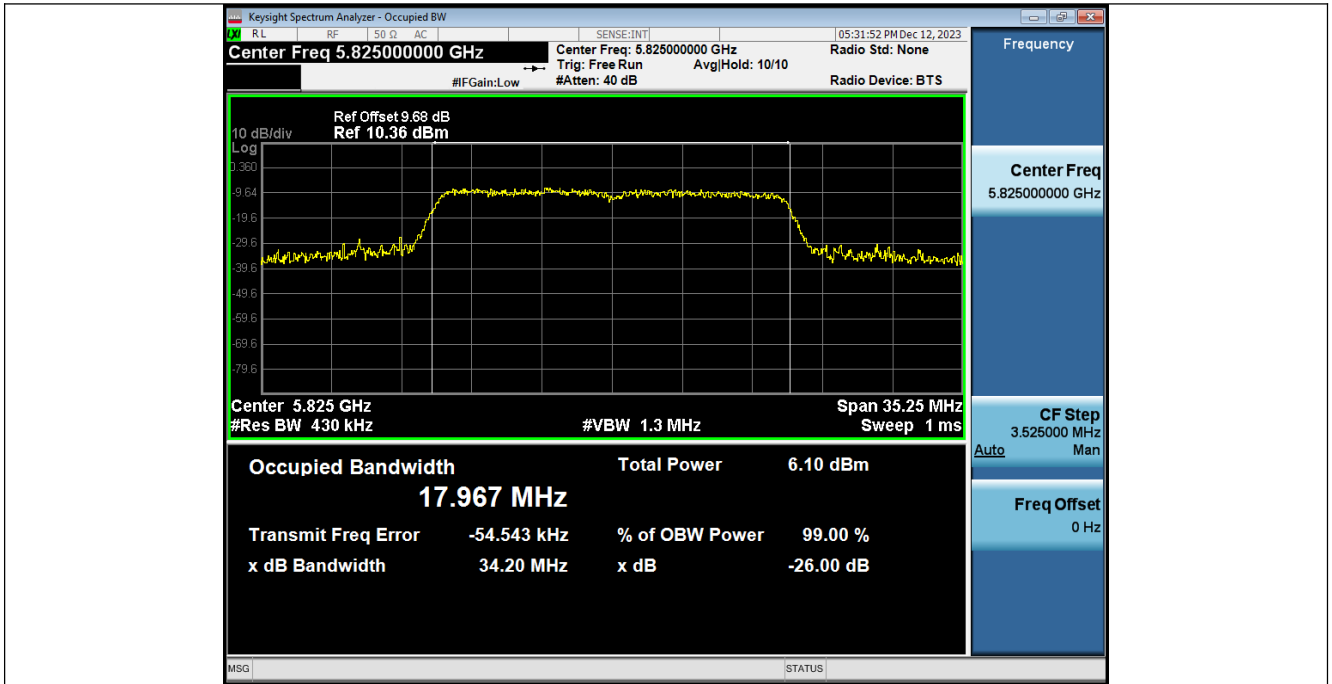
99%\_OCB\_NVNT\_ANT1\_802\_11n(HT20)\_5785



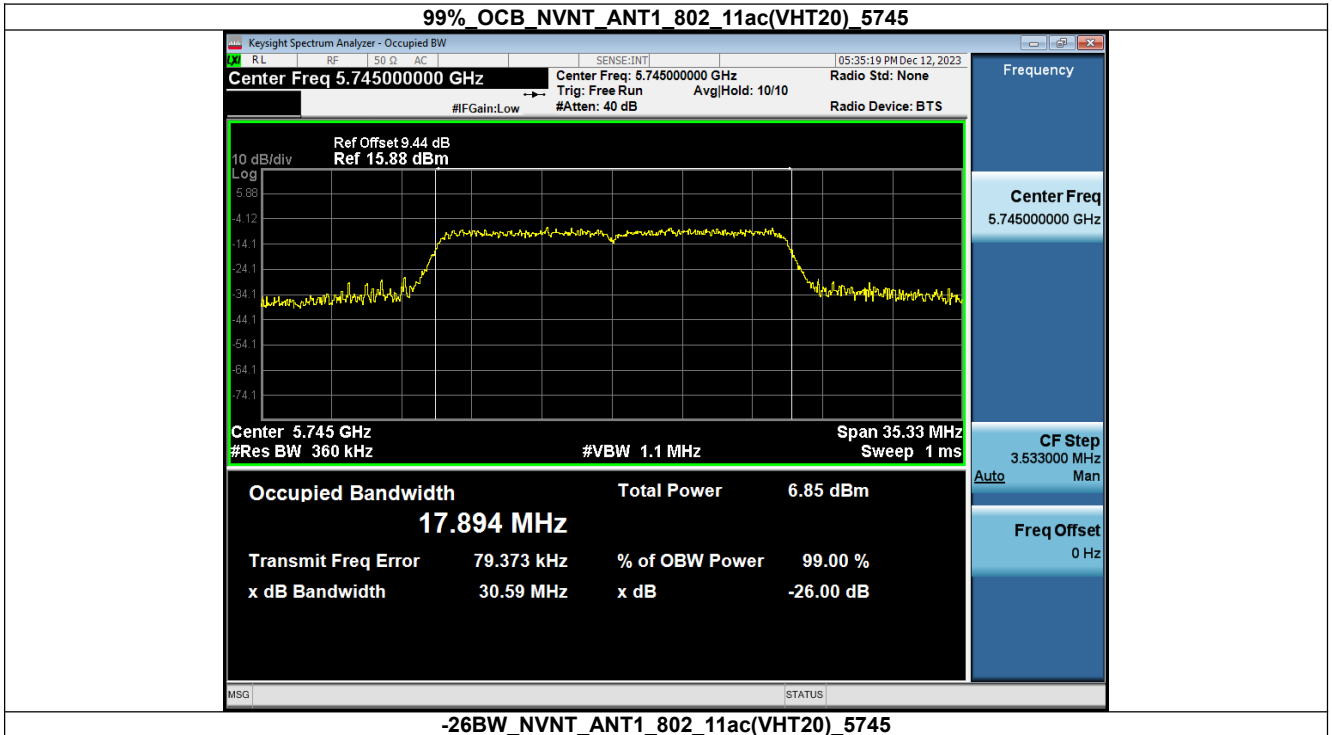


**99%\_OCB\_NVNT\_ANT1\_802\_11n(HT20)\_5825**

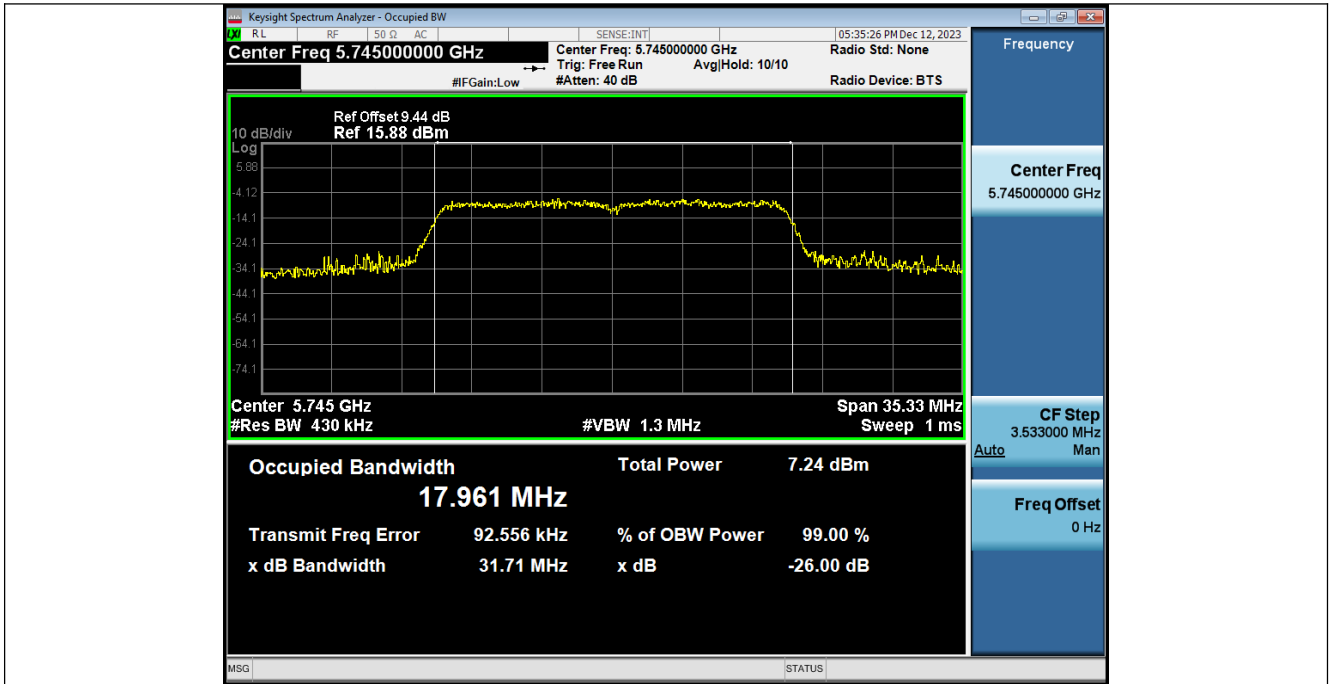




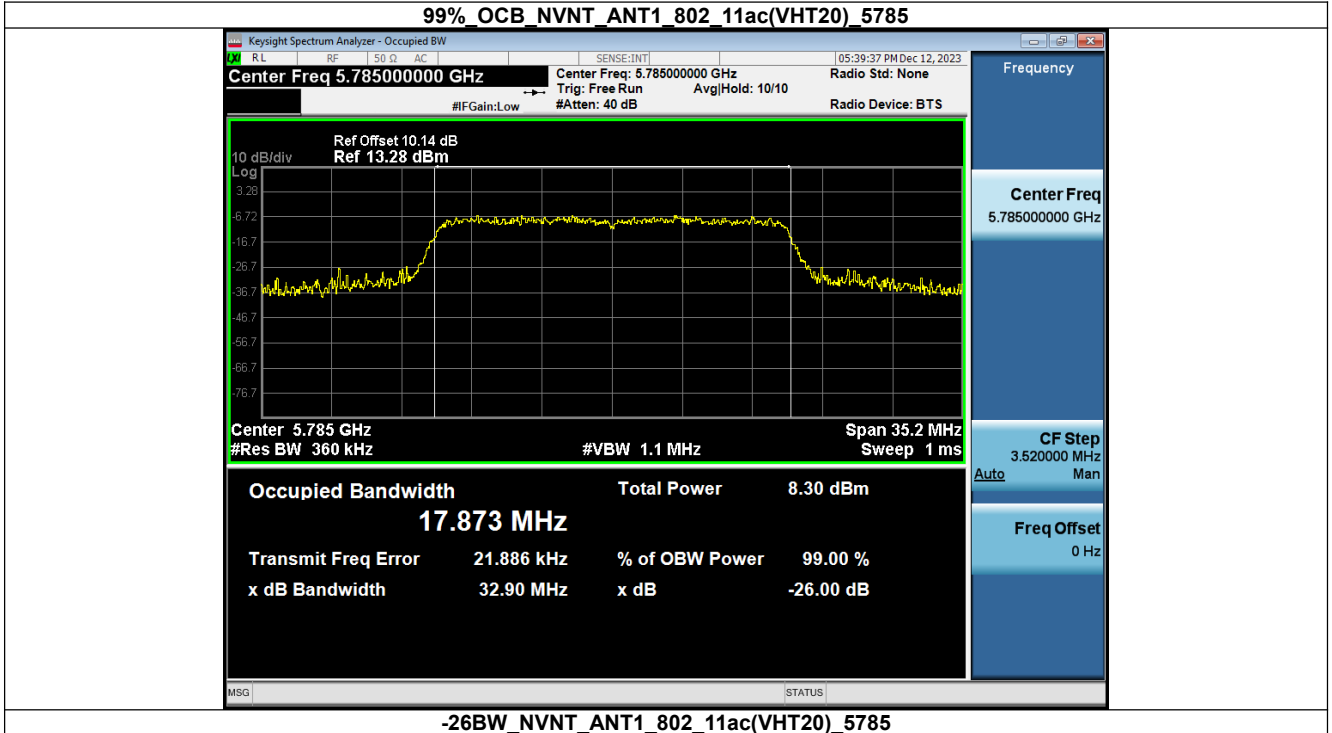
**99% OCB\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745**

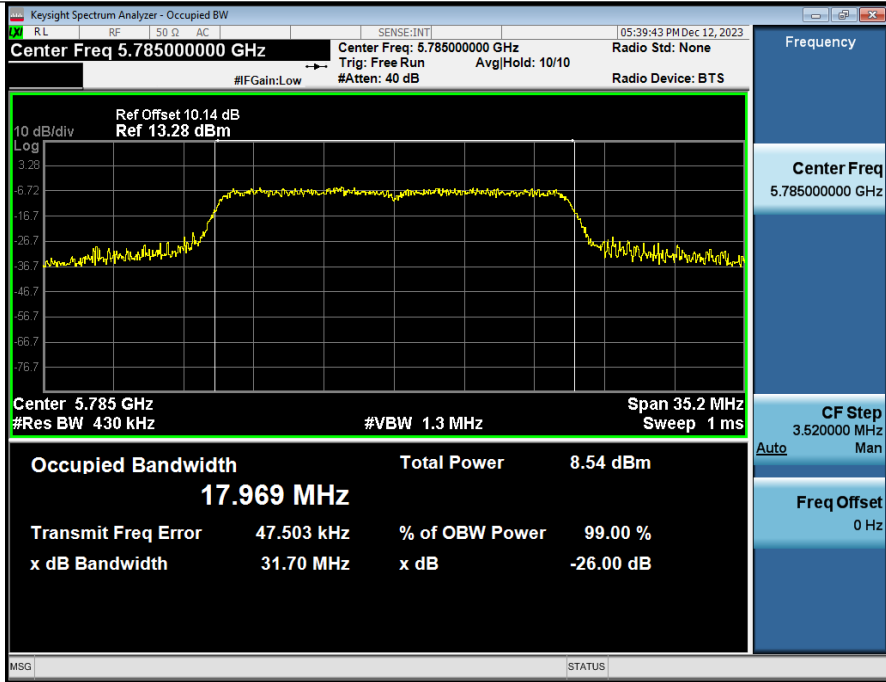






**99% OCB\_NVNT\_ANT1\_802\_11ac(VHT20)\_5785**

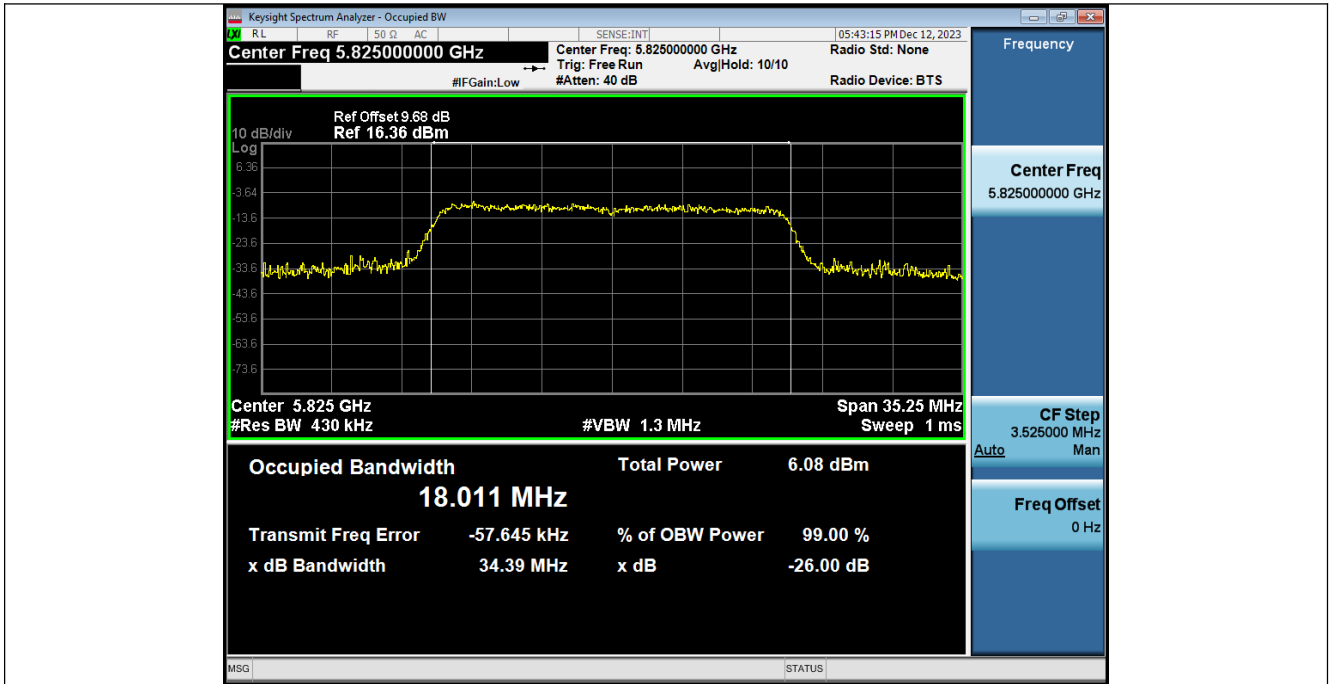




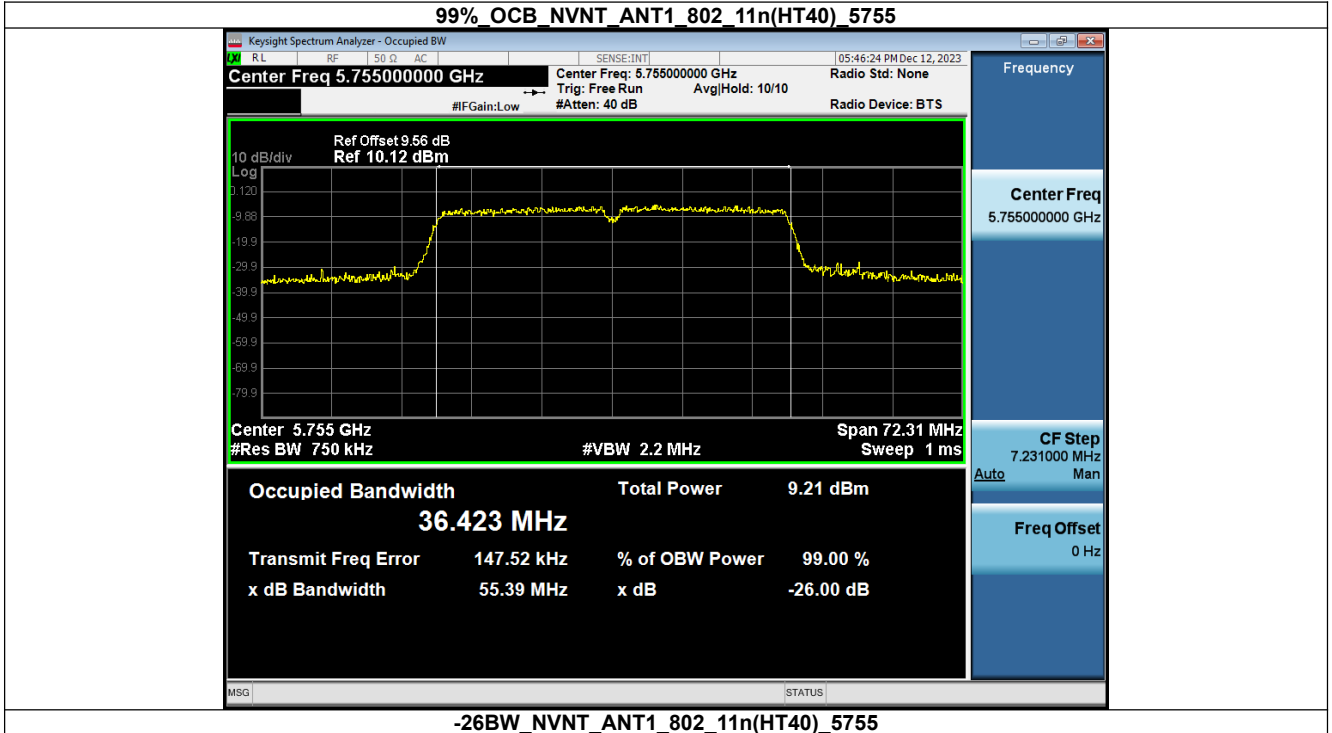
**99% OCB\_NVNT\_ANT1\_802\_11ac(VHT20)\_5825**

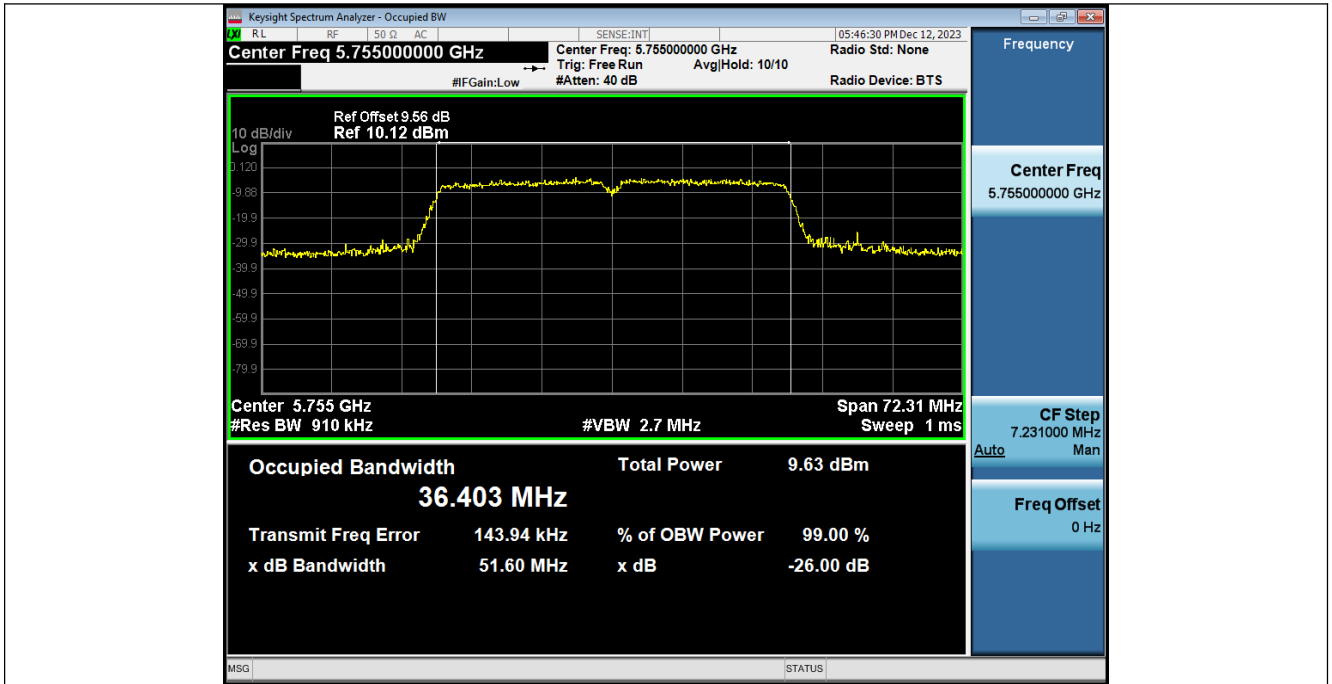


**-26BW\_NVNT\_ANT1\_802\_11ac(VHT20)\_5825**

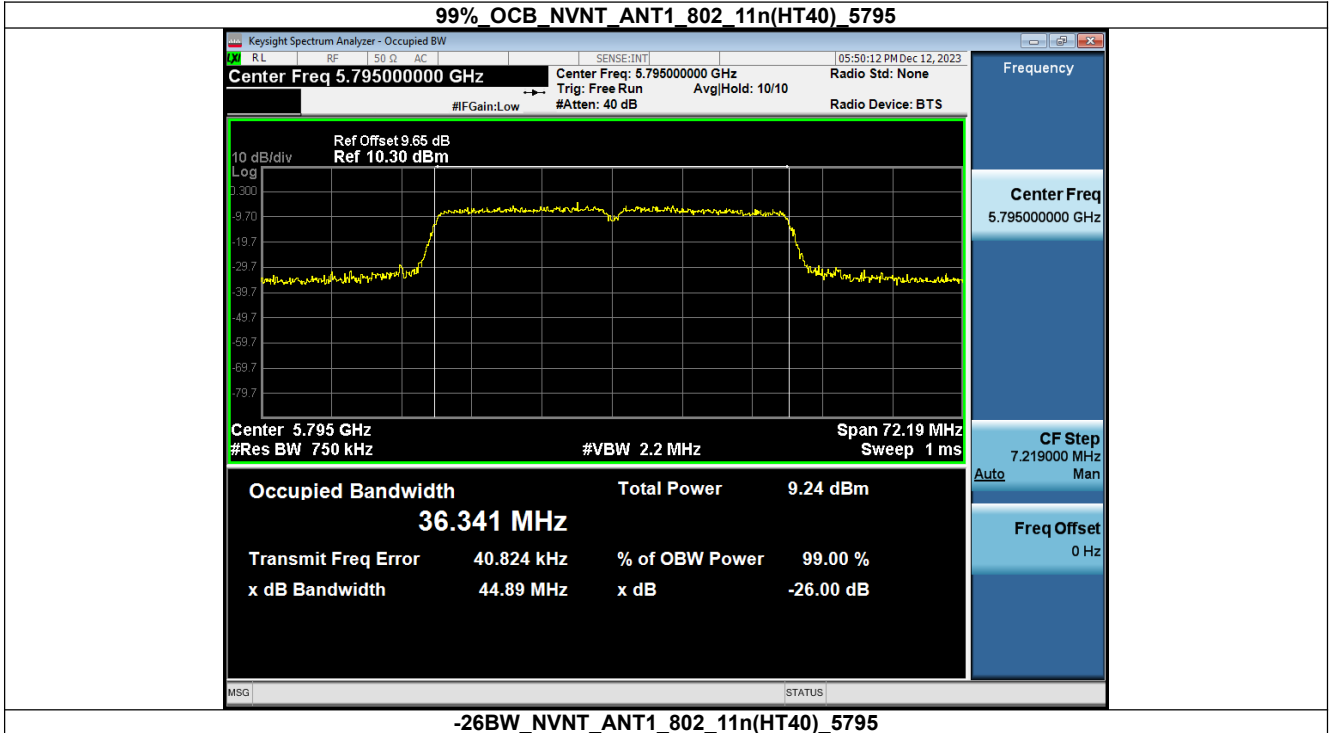


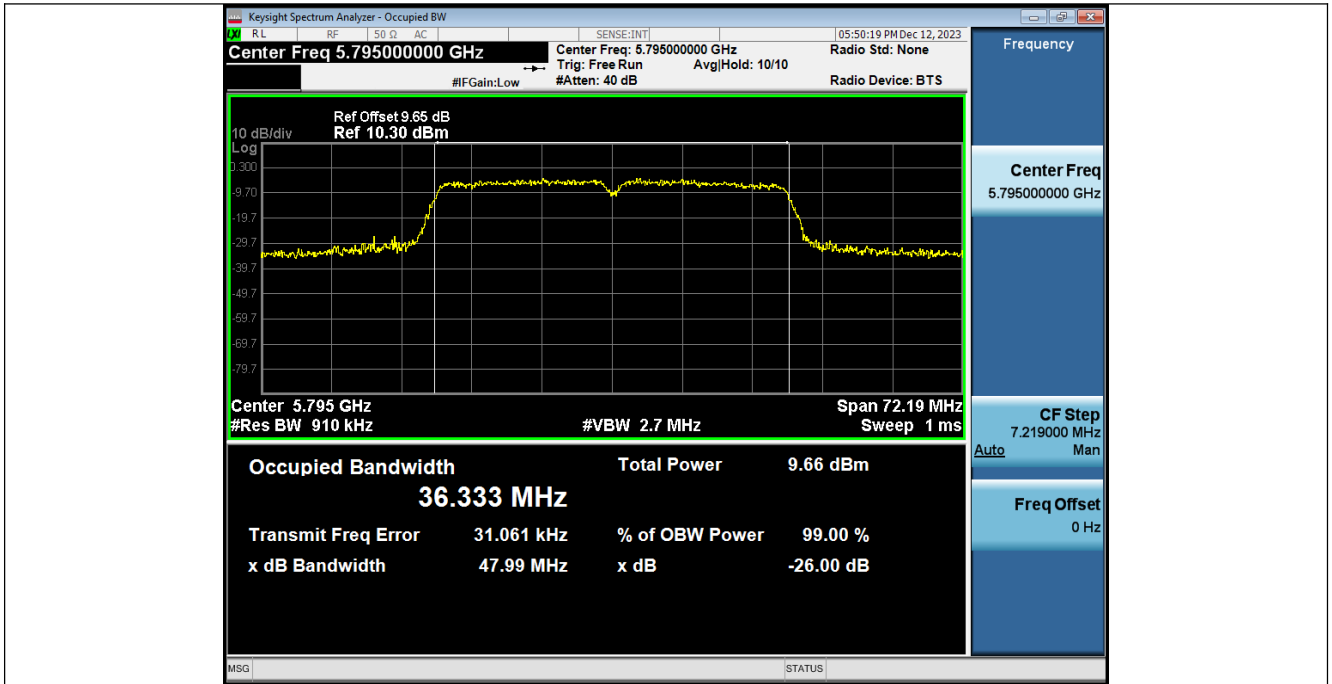
99%\_OCB\_NVNT\_ANT1\_802\_11n(HT40)\_5755



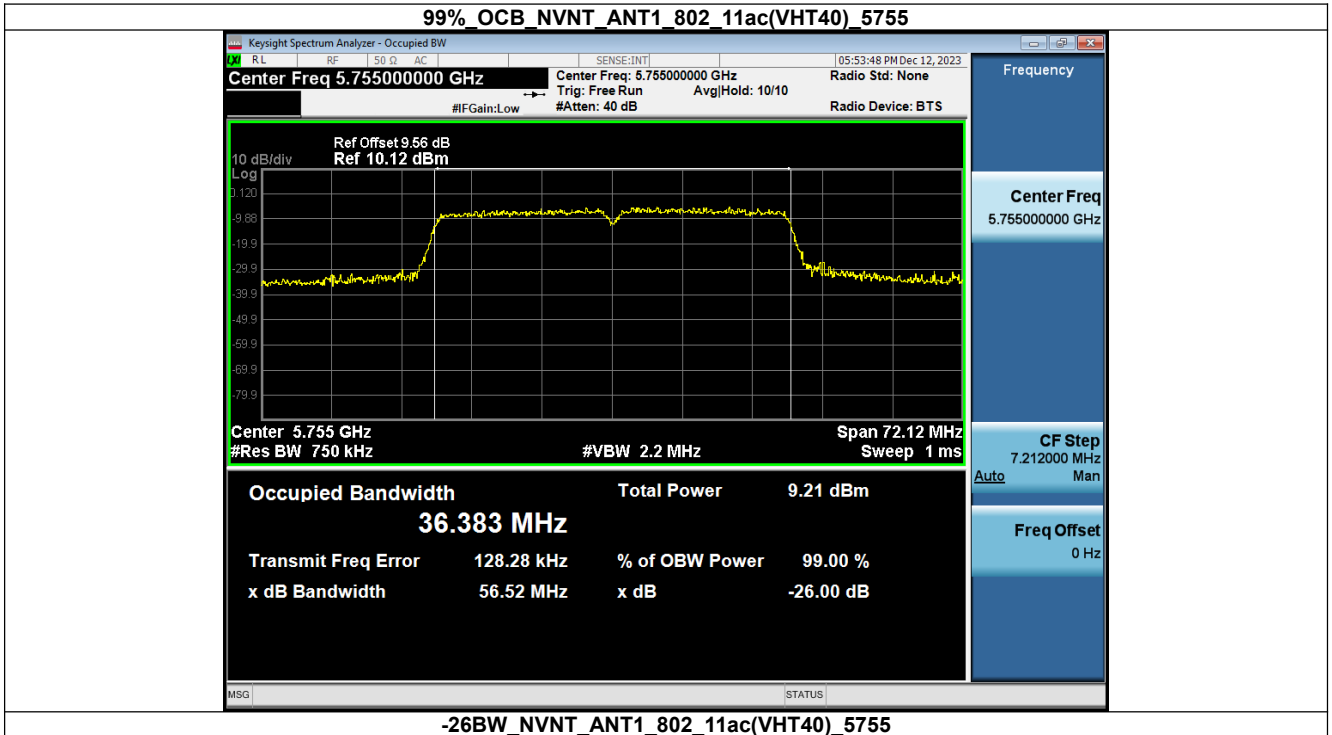


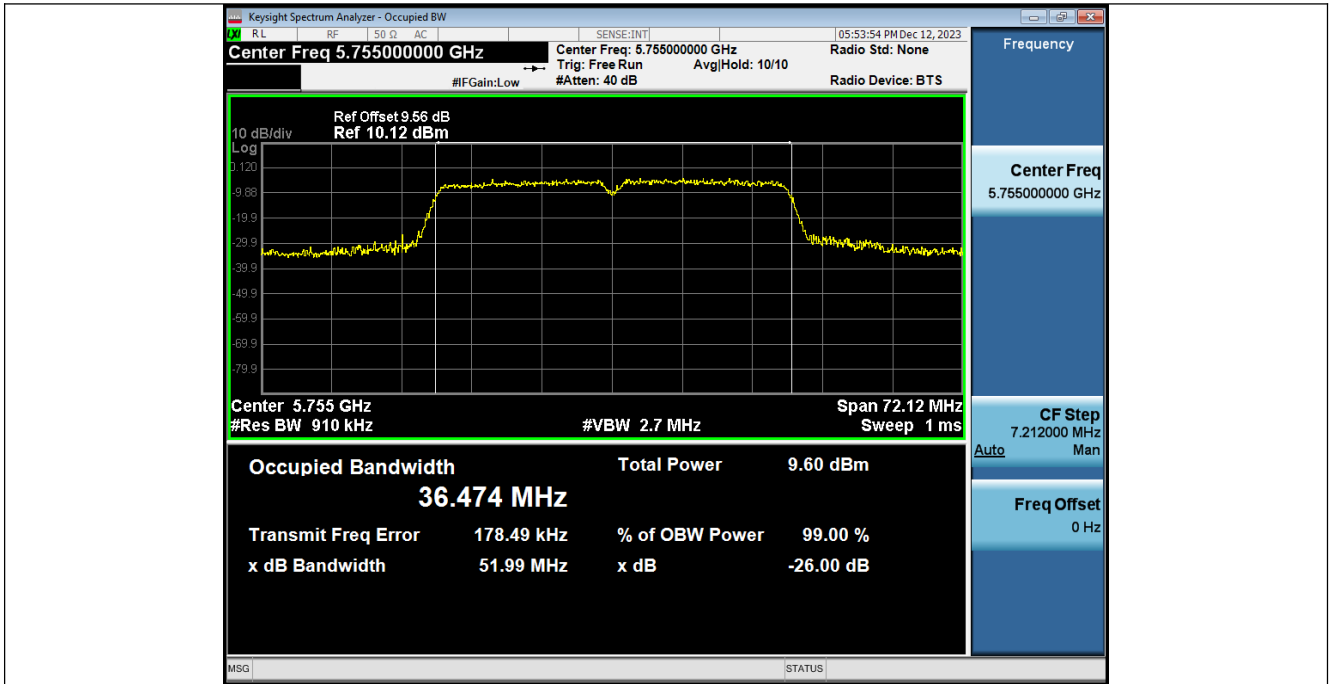
**99%\_OCB\_NVNT\_ANT1\_802\_11n(HT40)\_5795**



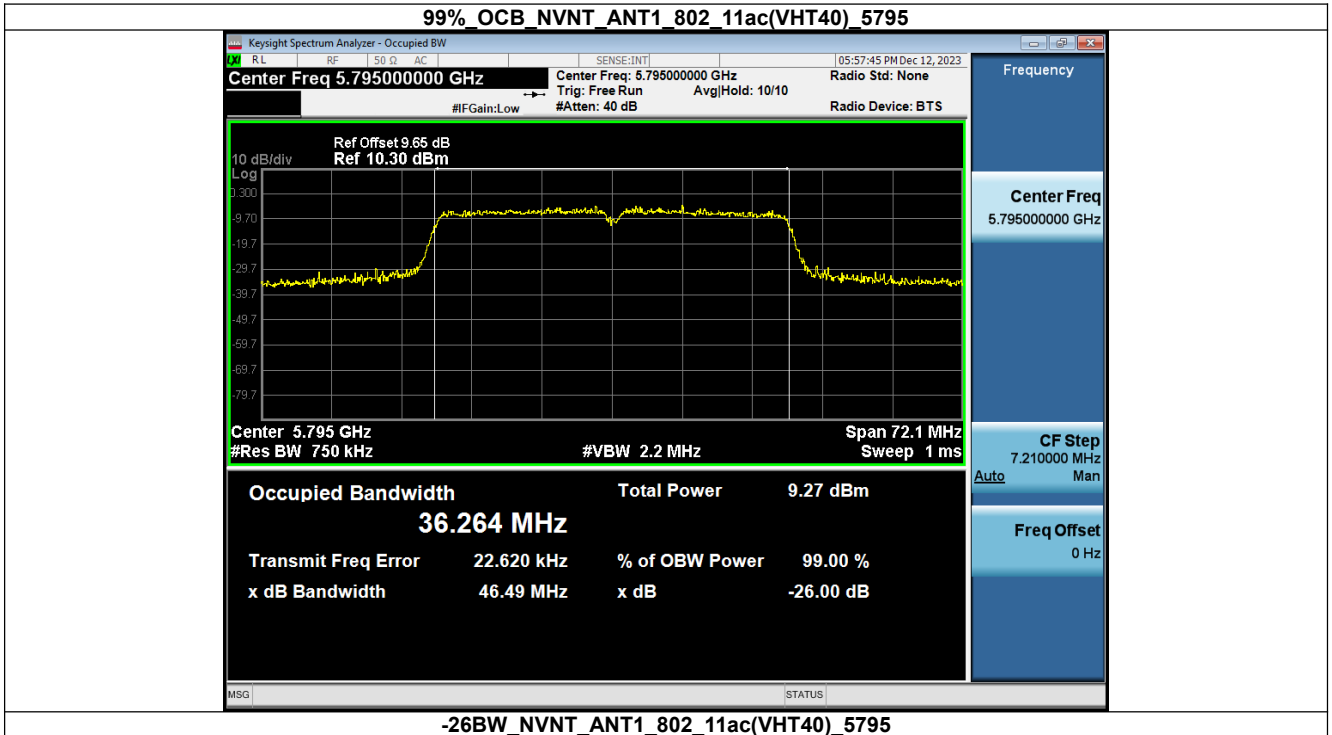


**99% OCB\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755**



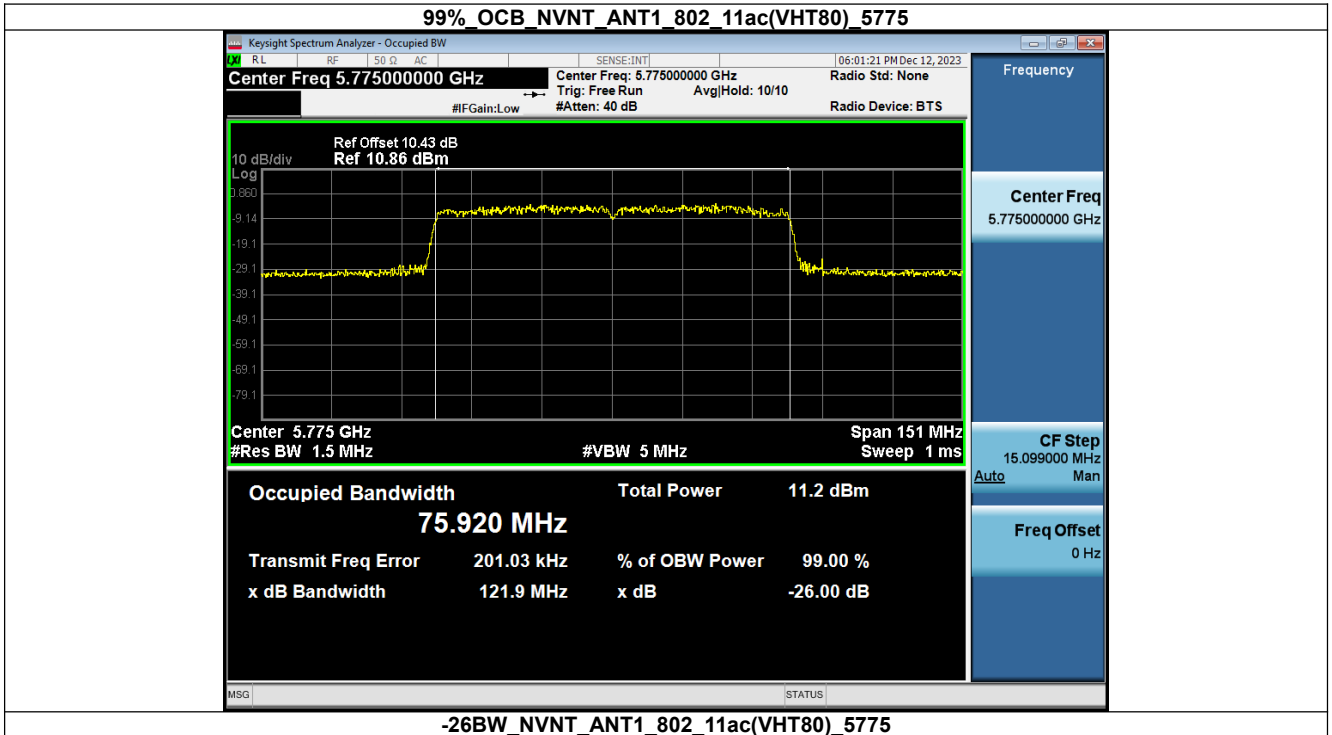


**99% OCB\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795**





**99% OCB\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775**

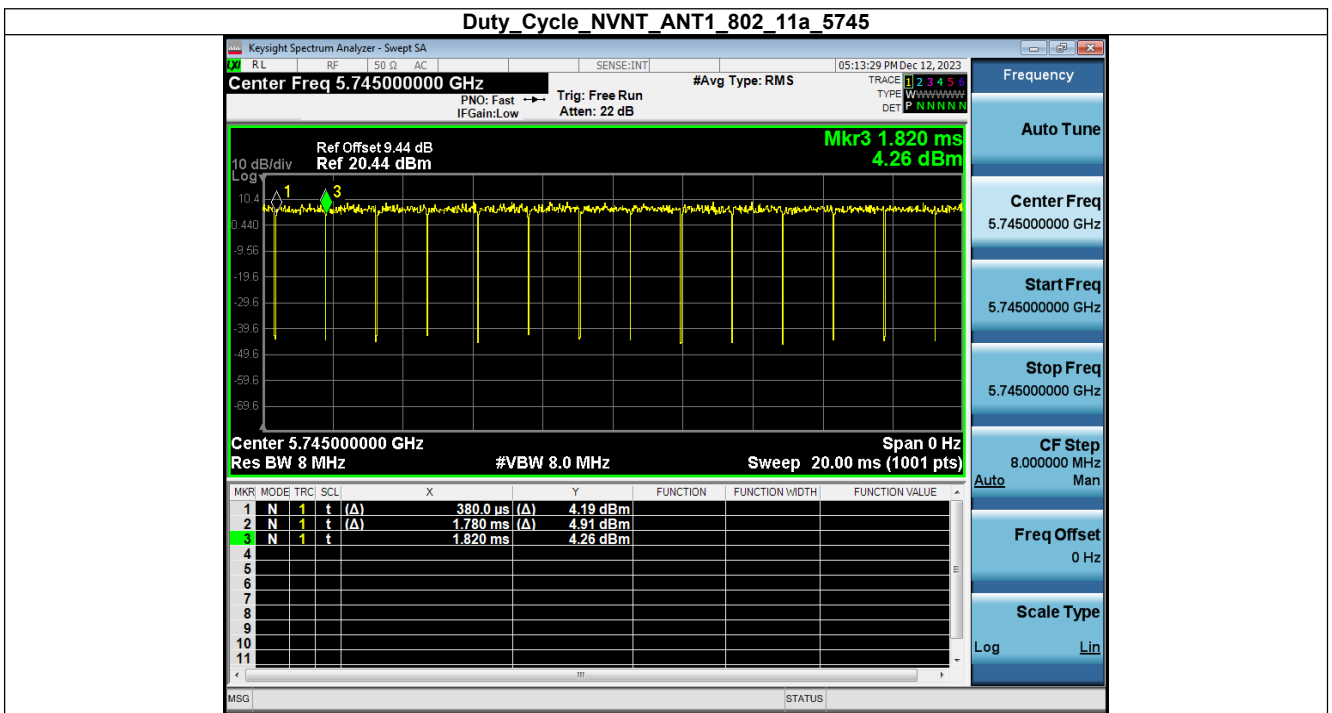




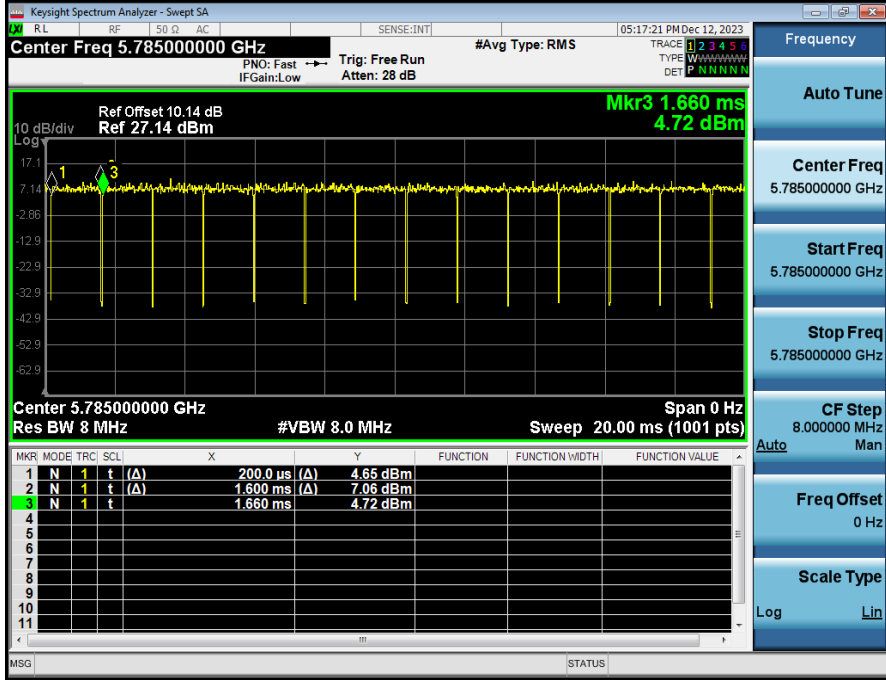


### 3. Duty Cycle

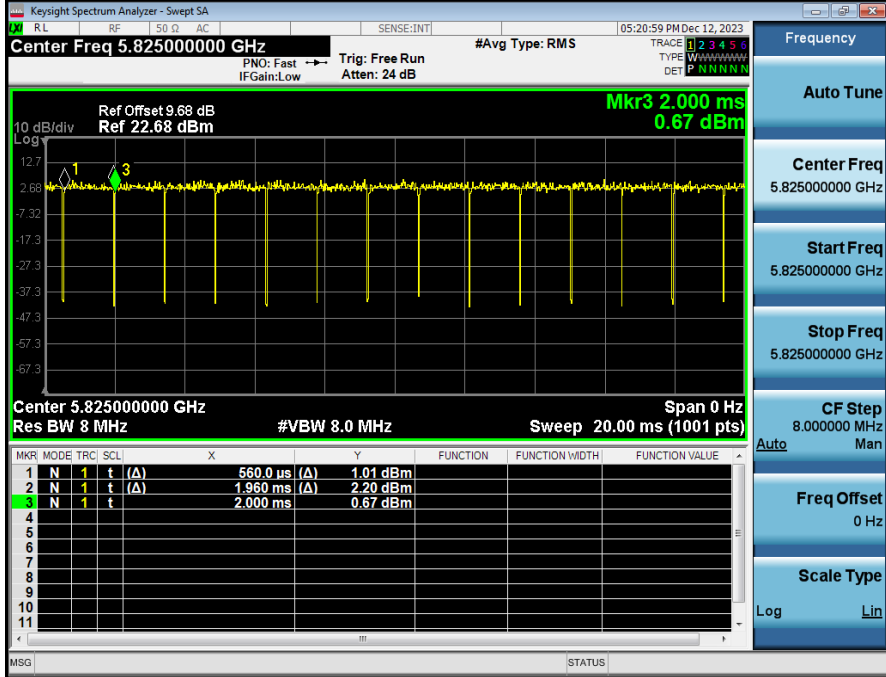
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	97.22	0.12
NVNT	ANT1	802.11a	5785.00	95.89	0.18
NVNT	ANT1	802.11a	5825.00	97.22	0.12
NVNT	ANT1	802.11n(HT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	5785.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	5825.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	5785.00	95.16	0.22
NVNT	ANT1	802.11ac(VHT20)	5825.00	95.16	0.22
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	93.75	0.28
NVNT	ANT1	802.11ac(VHT40)	5795.00	93.75	0.28
NVNT	ANT1	802.11ac(VHT80)	5775.00	83.33	0.79



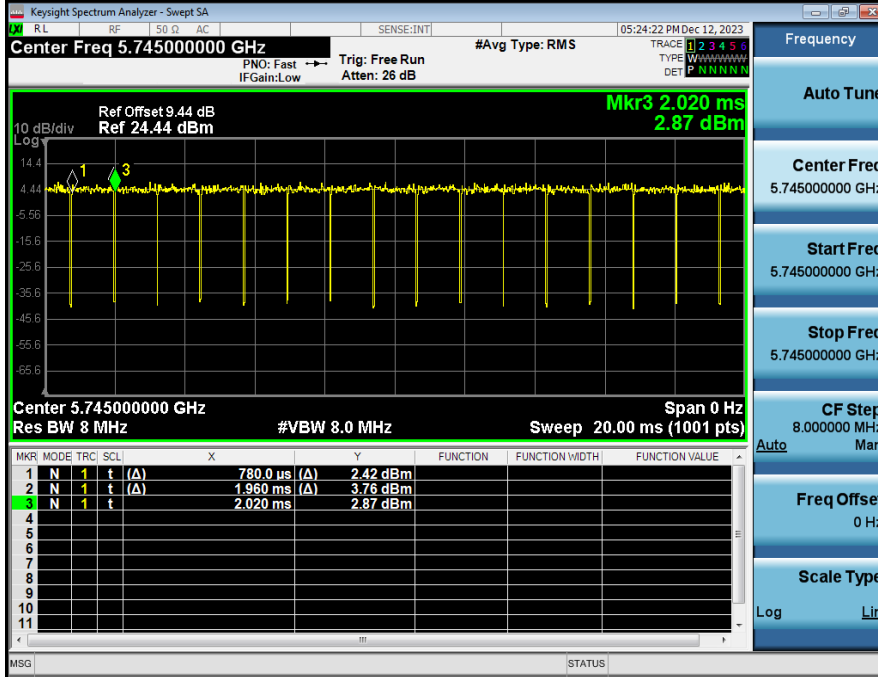
Duty Cycle NVNT\_ANT1\_802\_11a\_5785



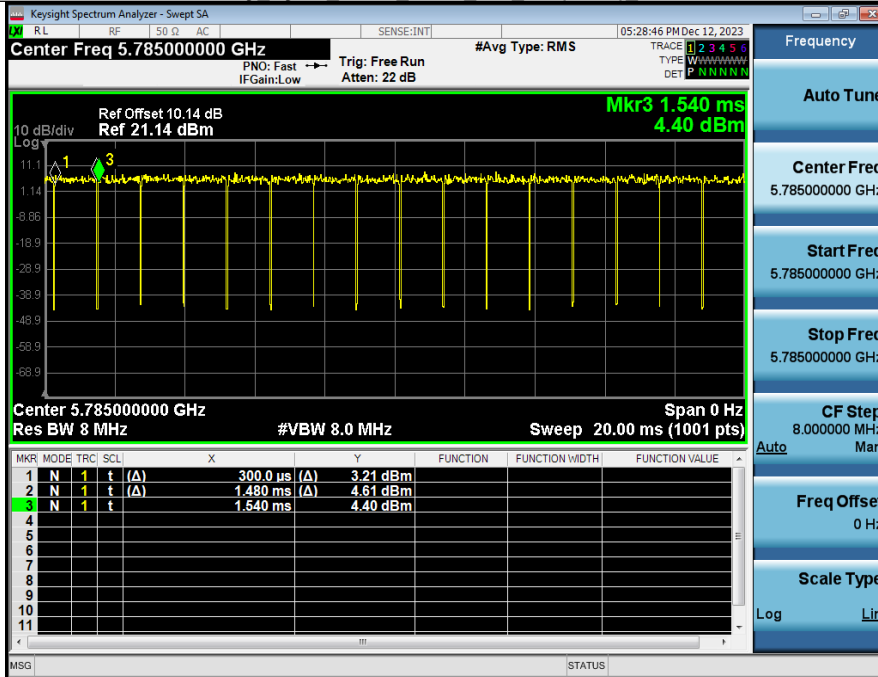
Duty Cycle NVNT\_ANT1\_802\_11a\_5825



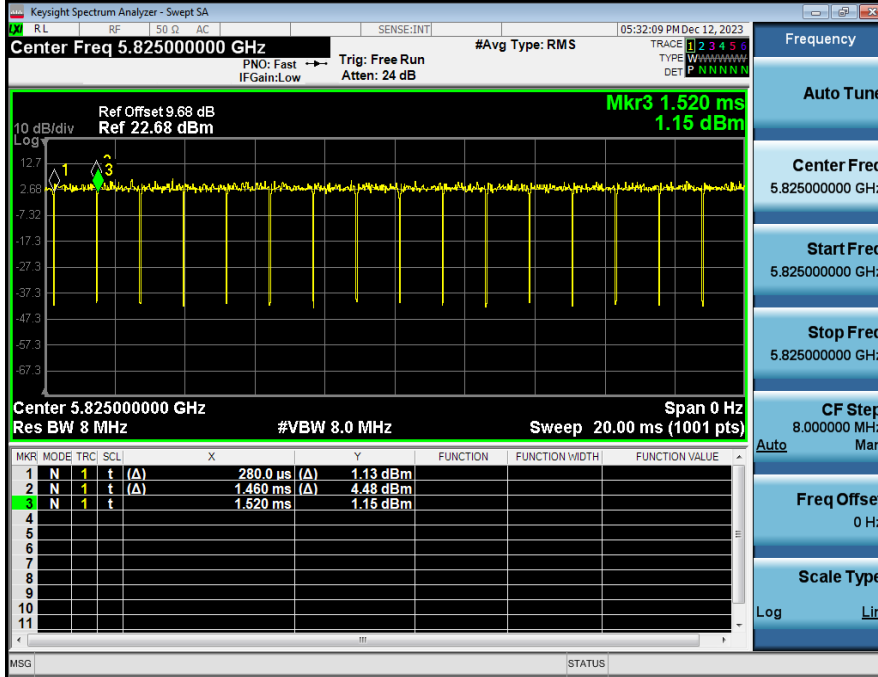
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5745



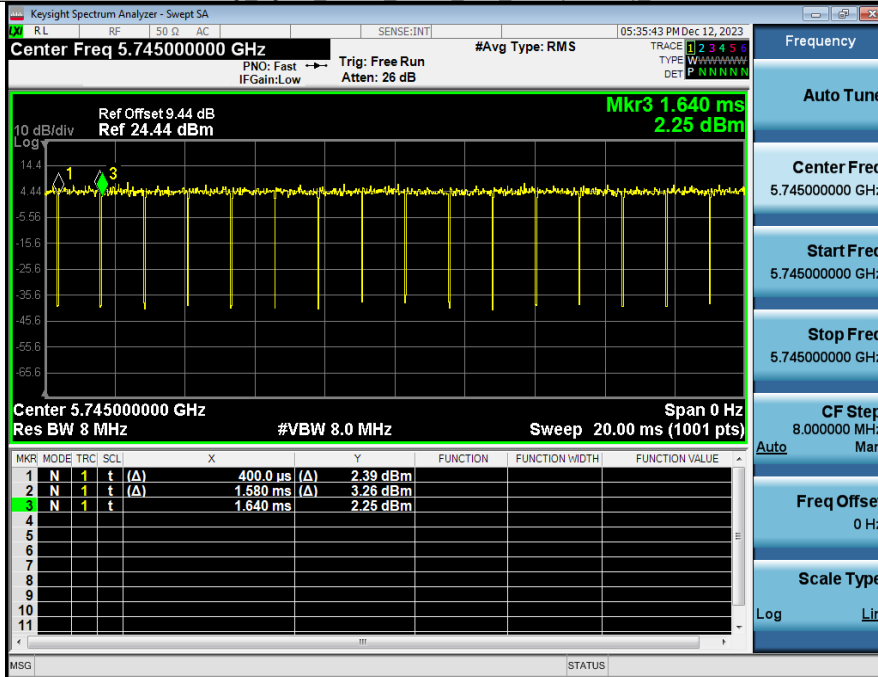
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5785



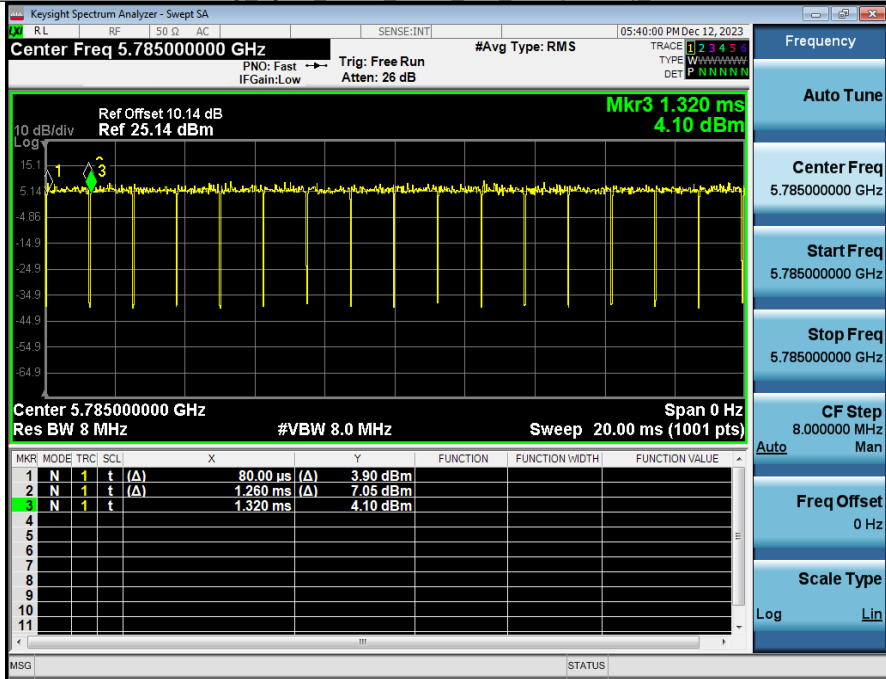
### Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5825



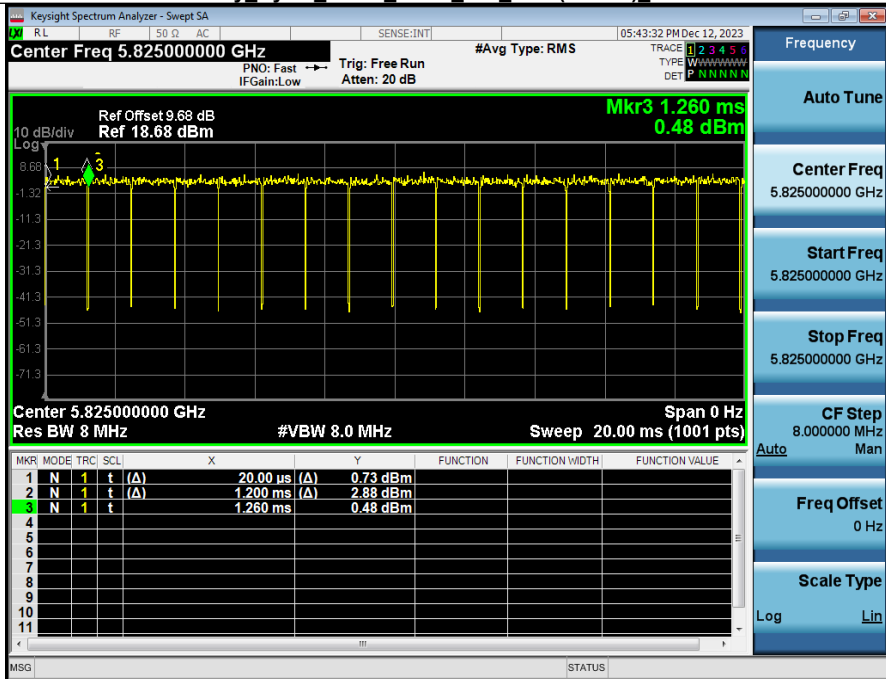
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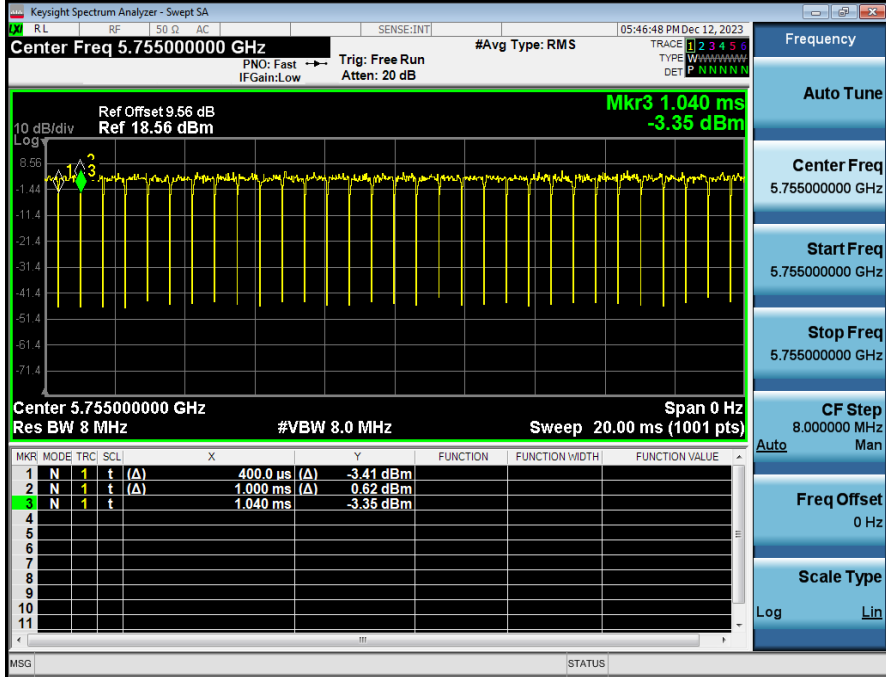
Duty Cycle NVNT\_ANT1\_802\_11ac(VHT20)\_5785



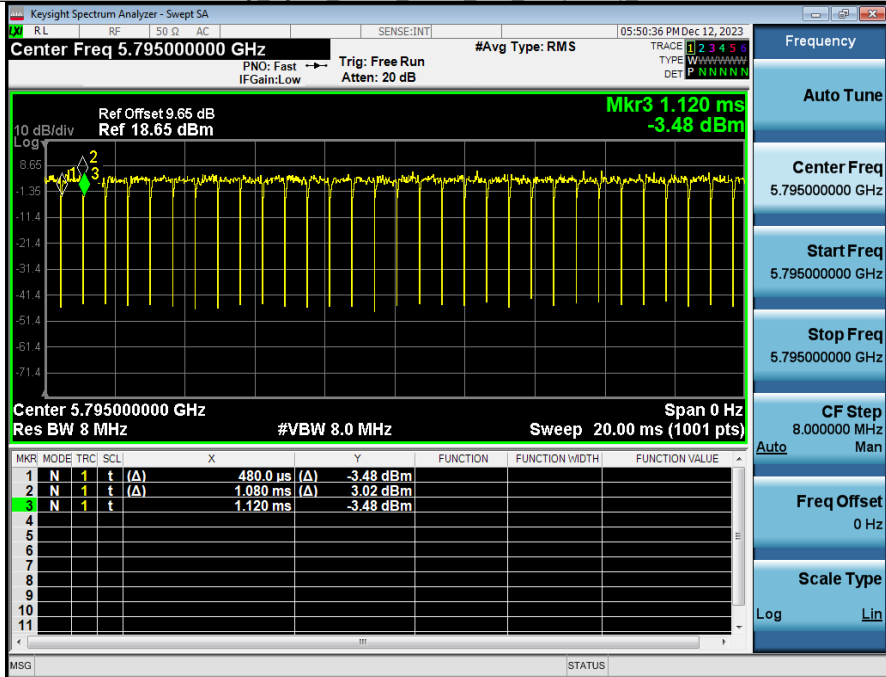
Duty Cycle NVNT\_ANT1\_802\_11ac(VHT20)\_5825



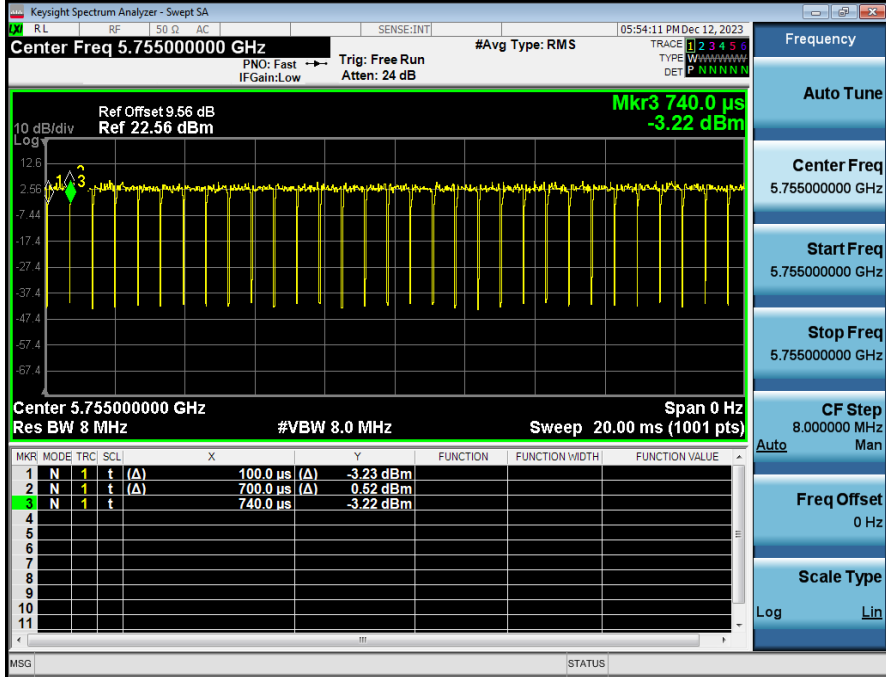
Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_5755



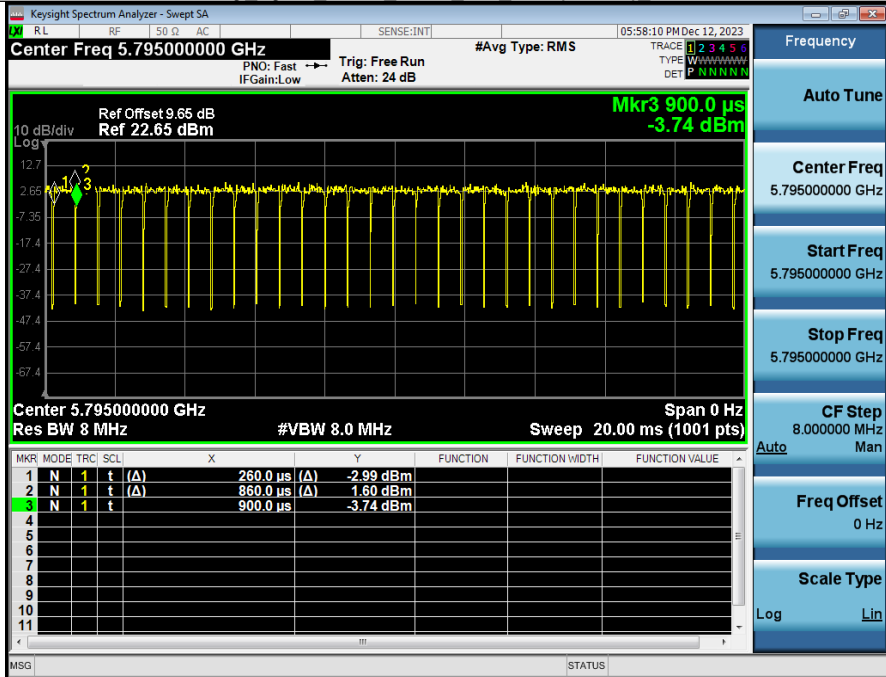
Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_5795



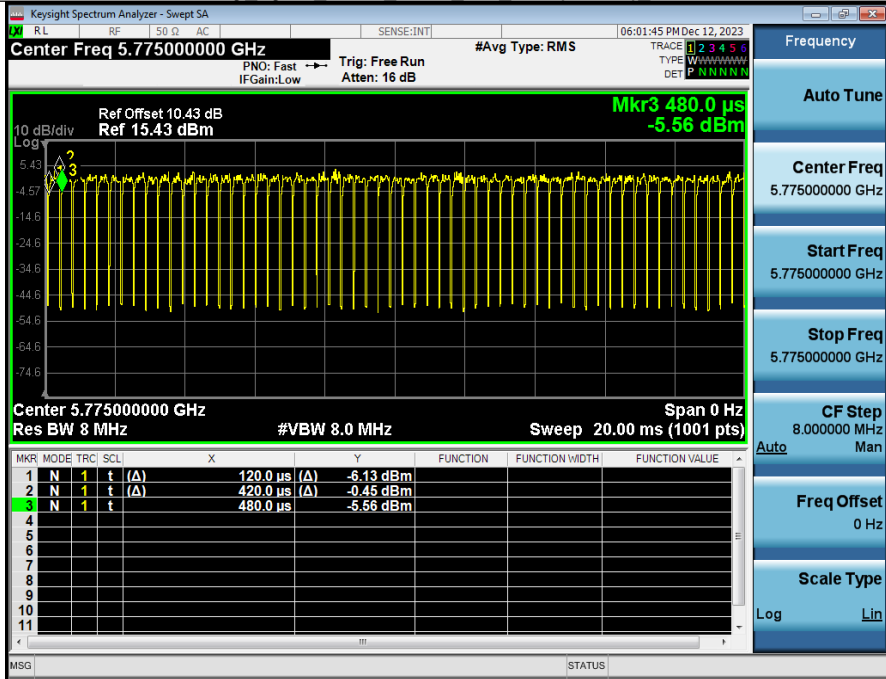
Duty Cycle NVNT\_ANT1\_802\_11ac(VHT40)\_5755



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



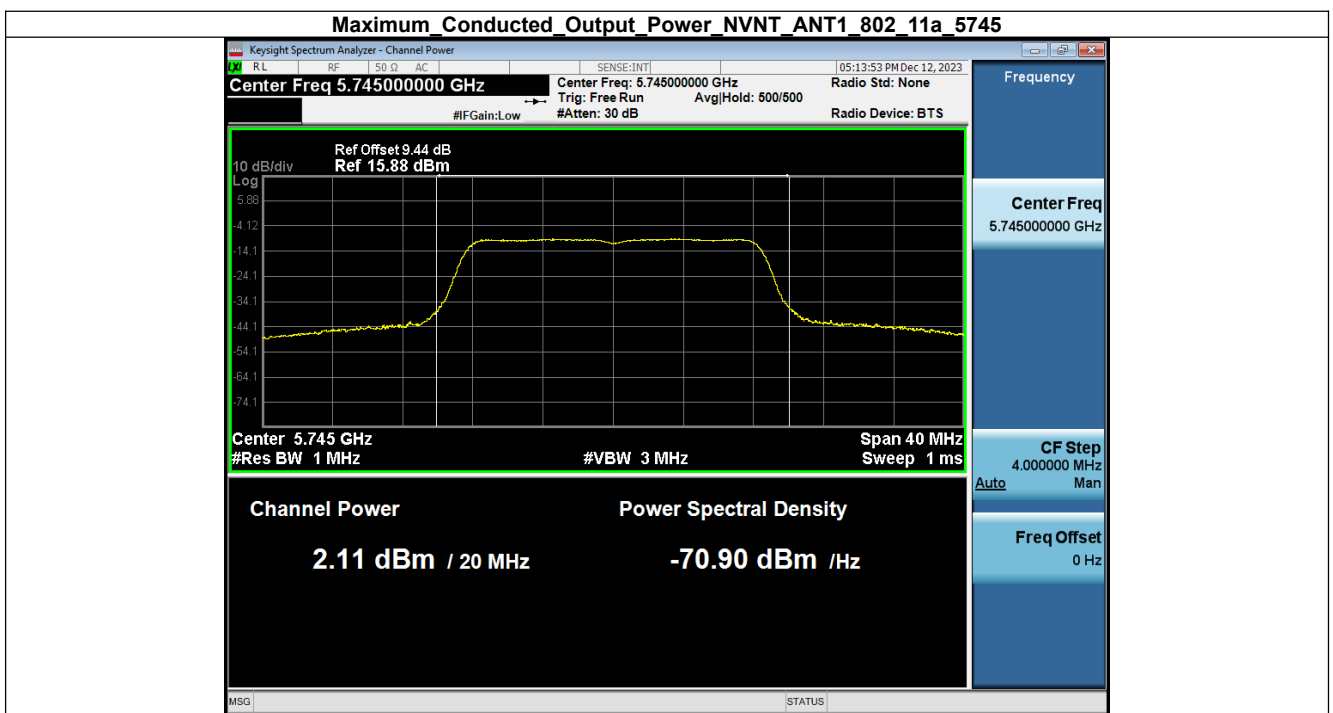
Duty Cycle NVNT\_ANT1\_802\_11ac(VHT80)\_5775



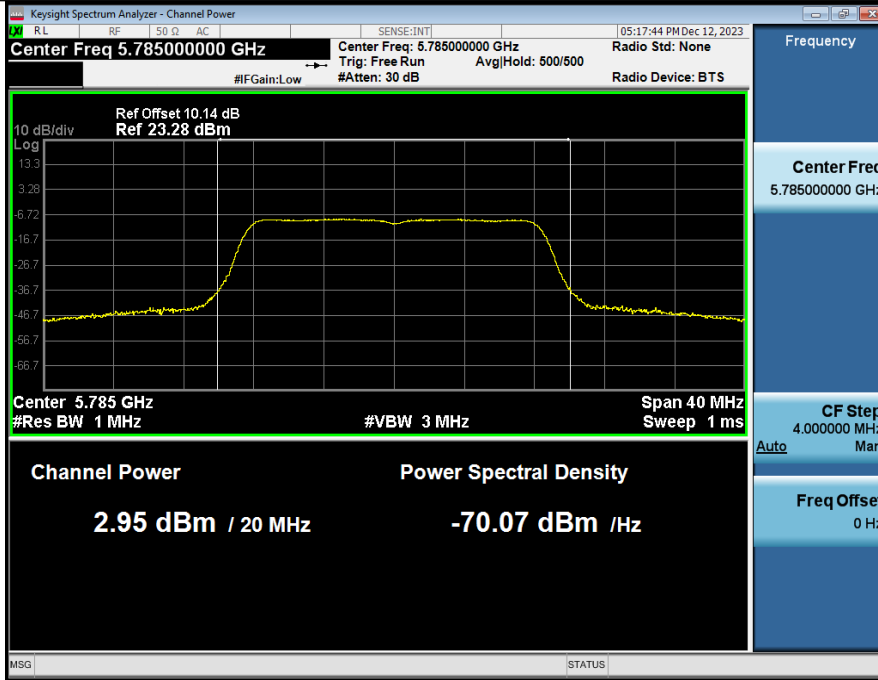


## 4. Maximum Conducted Output Power

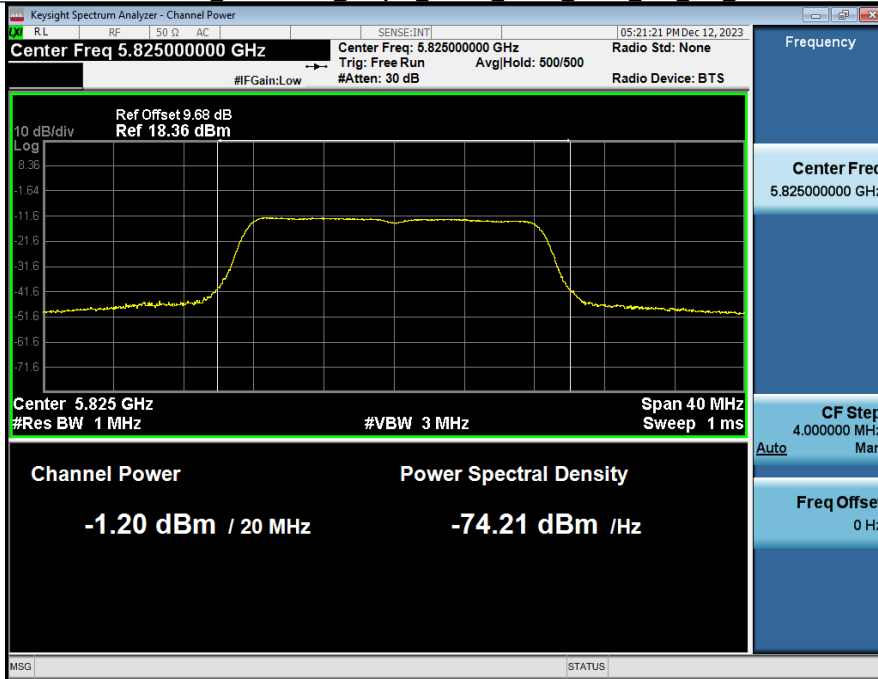
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	2.11	0.12	2.23	30	Pass
NVNT	ANT1	802.11a	5785.00	2.95	0.18	3.13	30	Pass
NVNT	ANT1	802.11a	5825.00	-1.20	0.12	-1.08	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	0.22	0.22	0.44	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	1.53	0.22	1.75	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-0.92	0.22	-0.70	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	0.14	0.22	0.36	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	1.56	0.22	1.78	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-0.89	0.22	-0.67	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	1.49	0.28	1.77	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	1.59	0.28	1.87	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	1.54	0.28	1.82	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	1.56	0.28	1.84	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	2.12	0.79	2.91	30	Pass



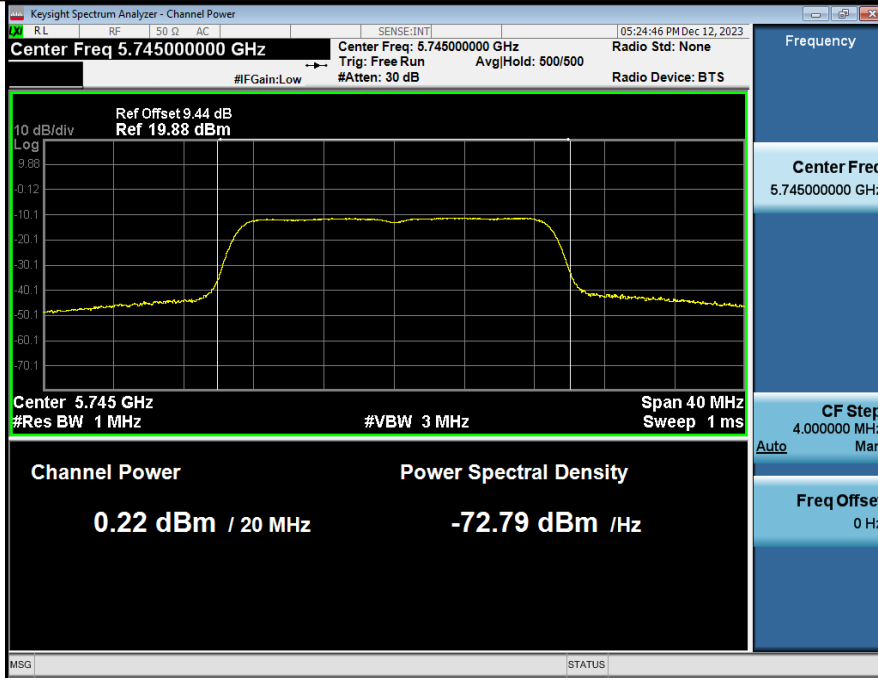
### Maximum Conducted Output Power NVNT\_ANT1\_802\_11a\_5785



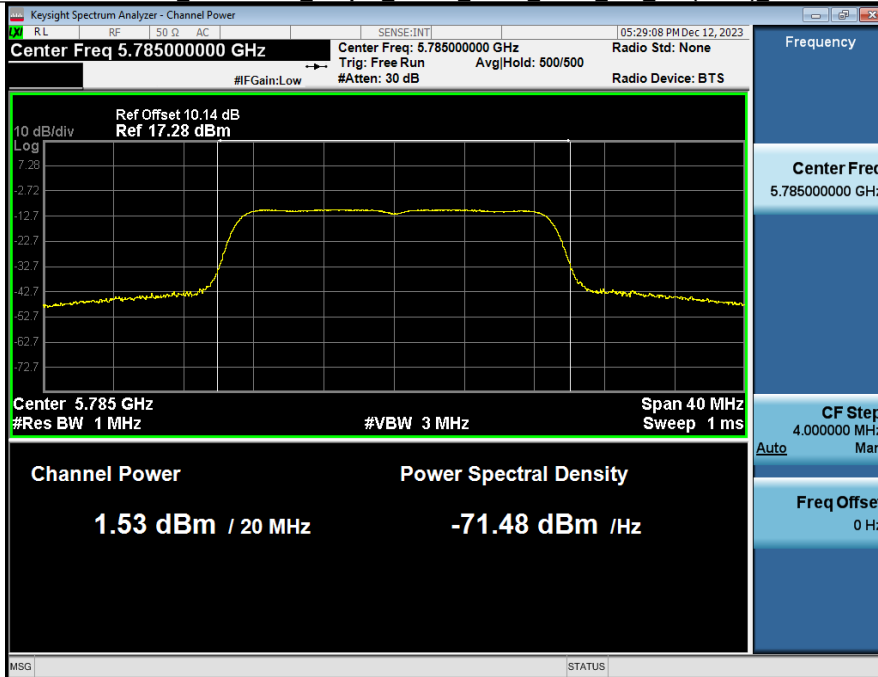
### Maximum Conducted Output Power NVNT\_ANT1\_802\_11a\_5825



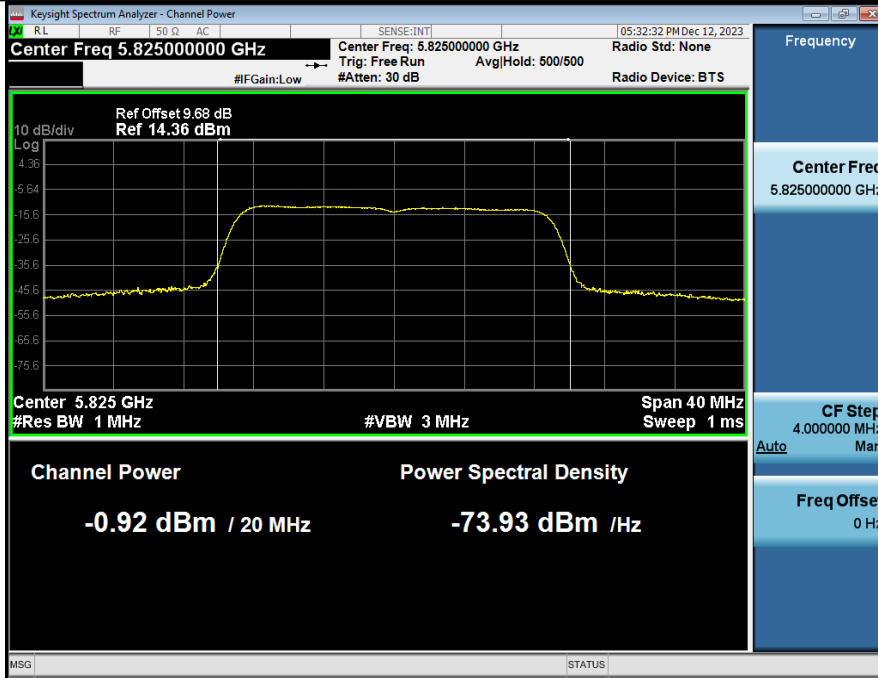
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT20) 5745



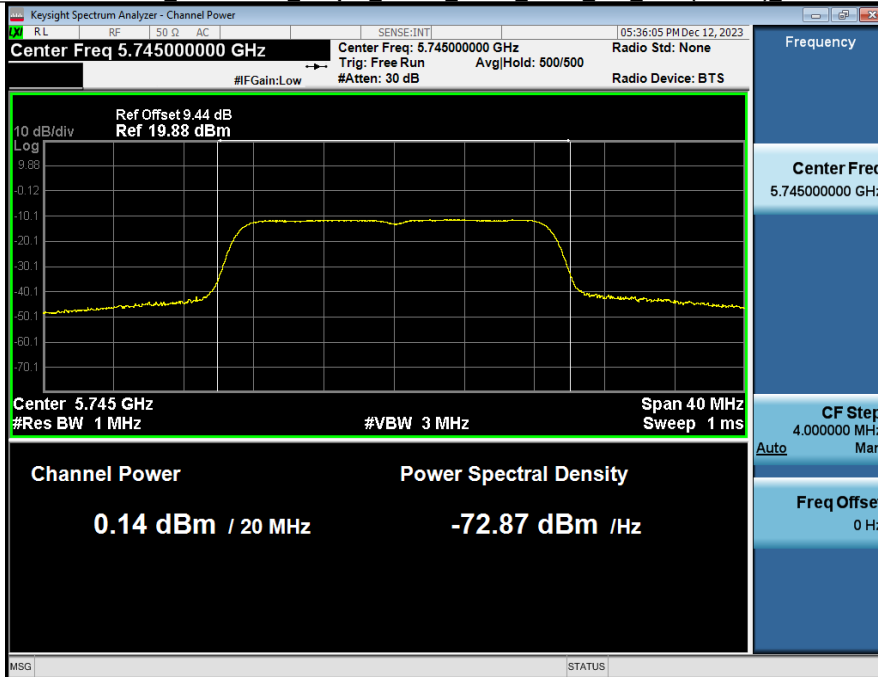
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT20) 5785



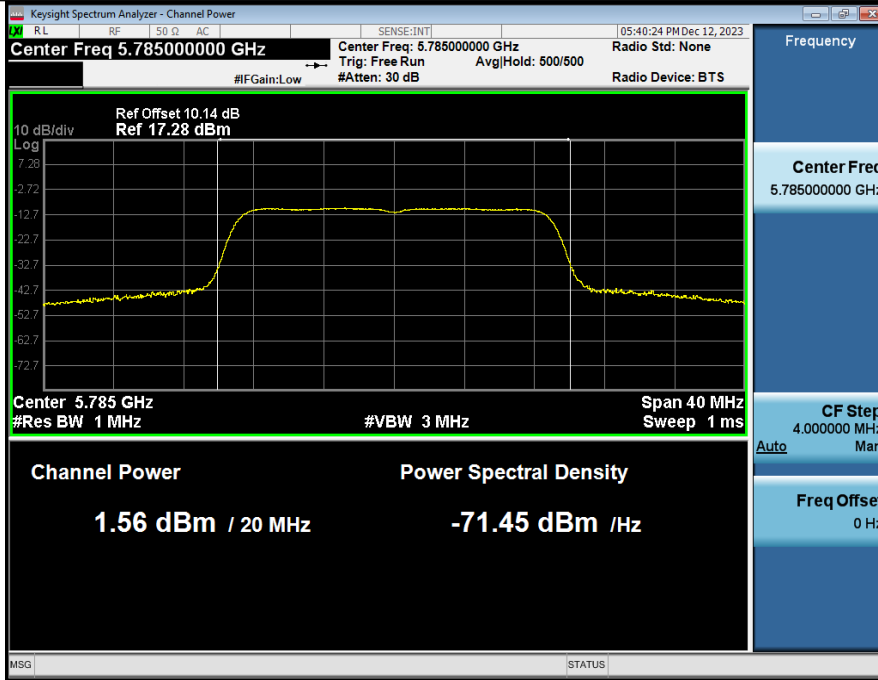
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT20) 5825



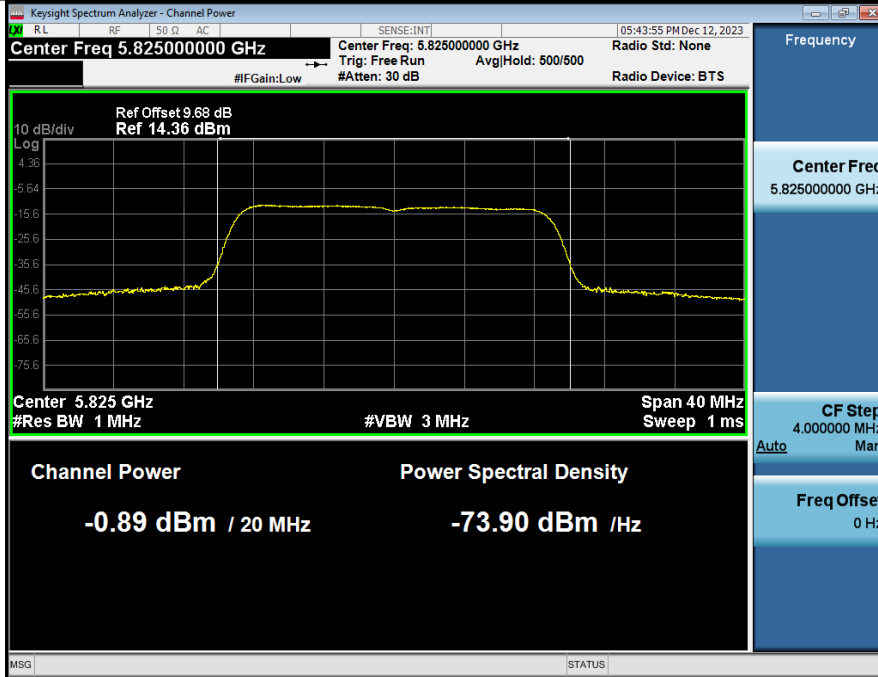
Maximum Conducted Output Power NVNT\_ANT1\_802\_11ac(VHT20) 5745



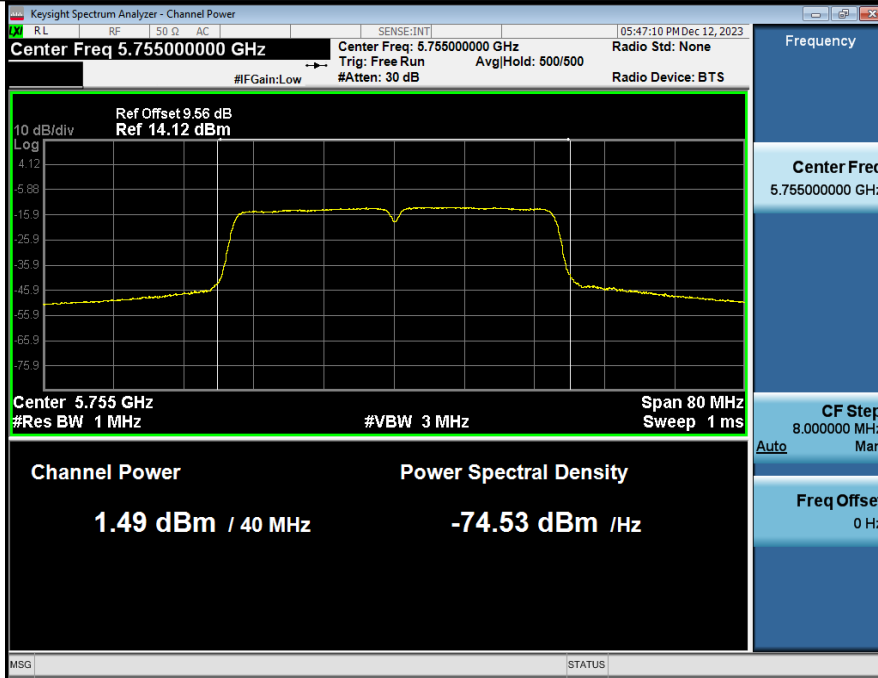
Maximum Conducted Output Power NVNT\_ANT1\_802\_11ac(VHT20)\_5785



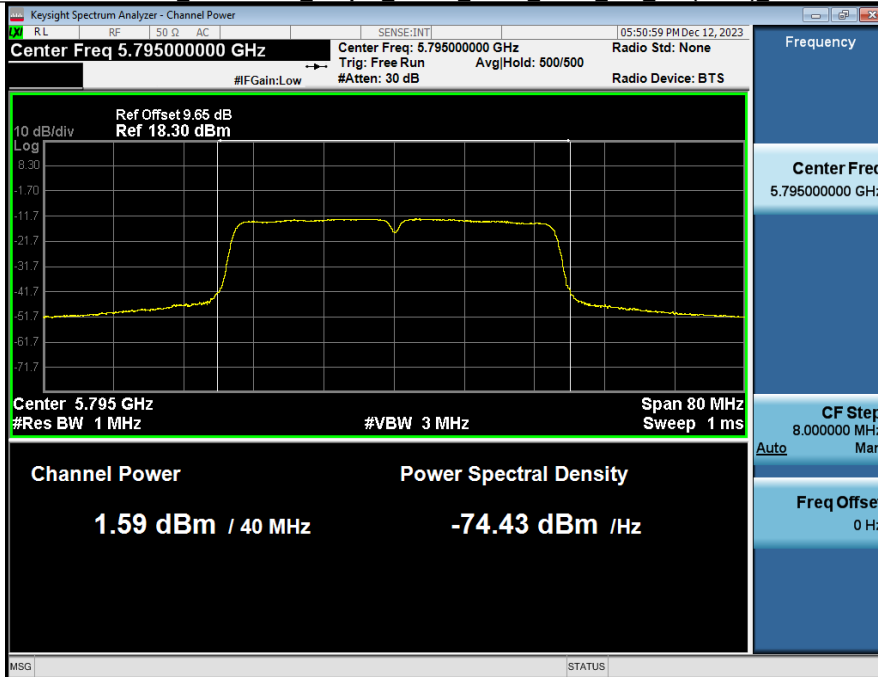
Maximum Conducted Output Power NVNT\_ANT1\_802\_11ac(VHT20)\_5825



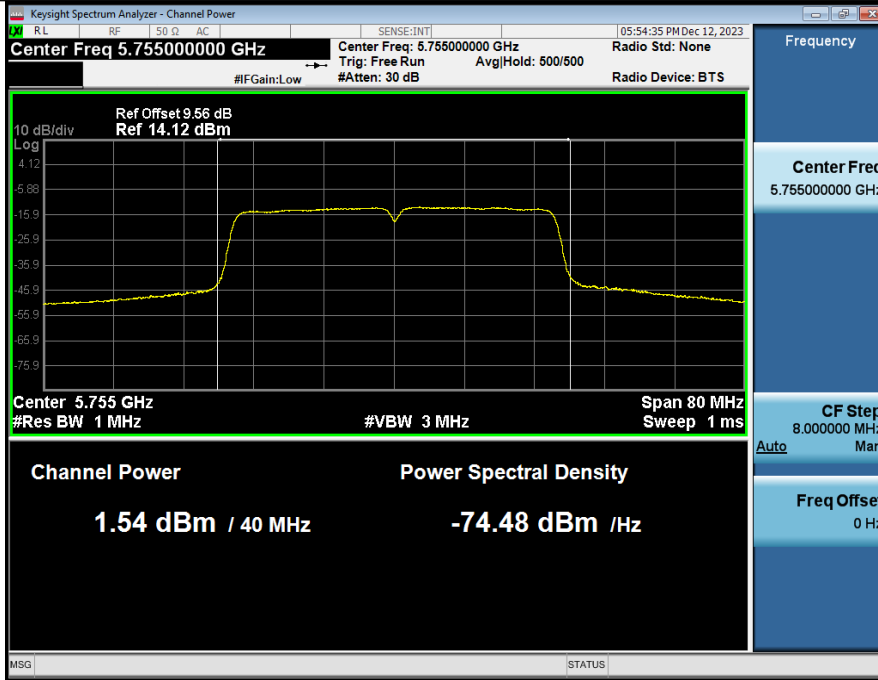
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT40) 5755



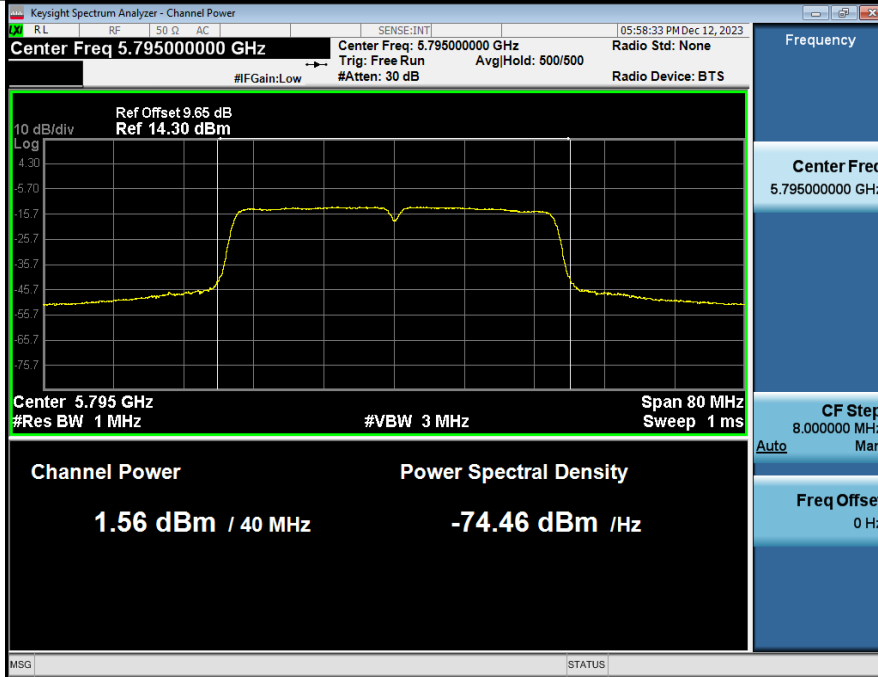
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT40) 5795



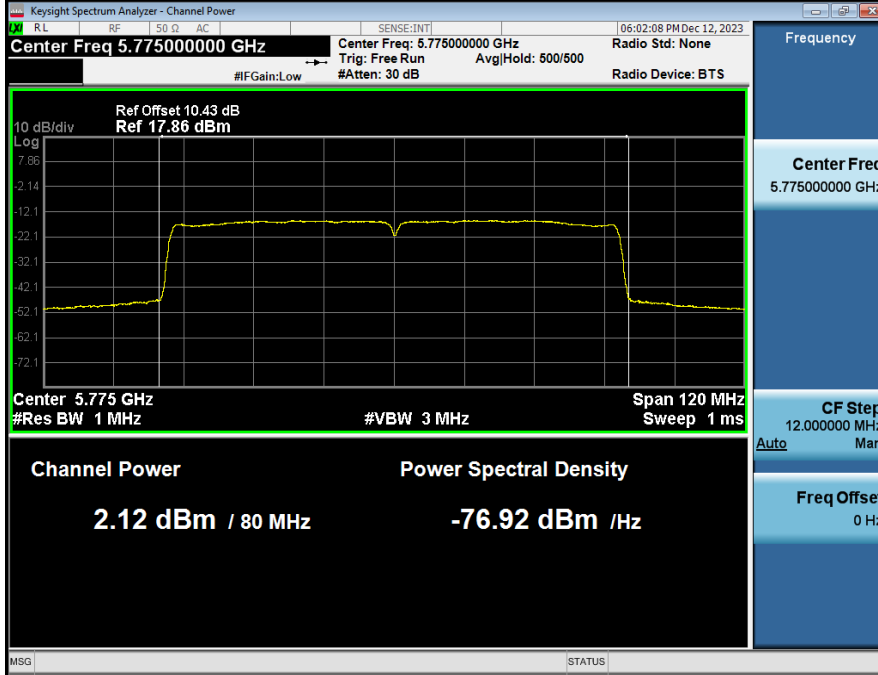
Maximum Conducted Output Power NVNT\_ANT1\_802\_11ac(VHT40)\_5755



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



Maximum Conducted Output Power\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775



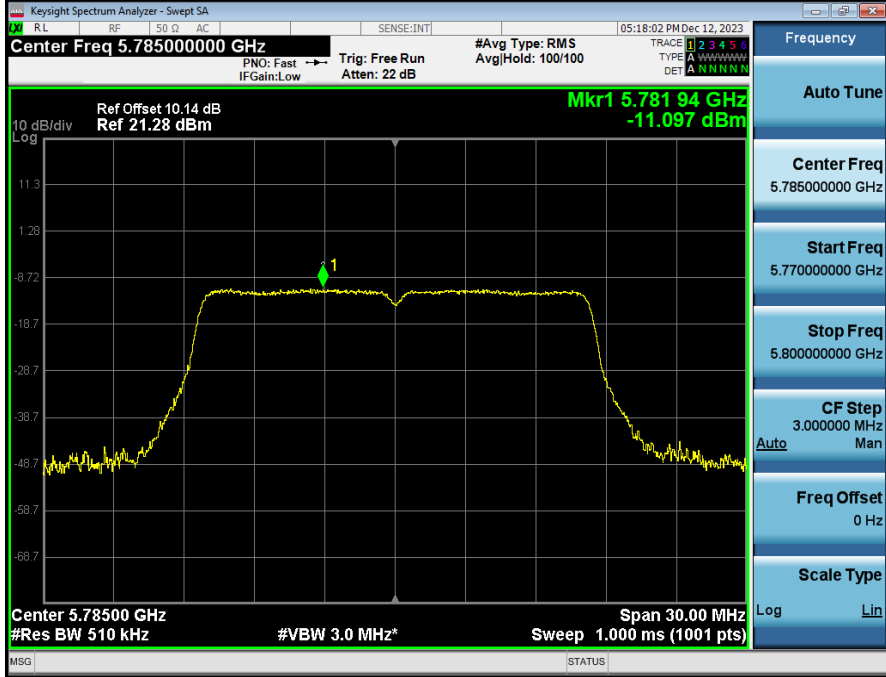


## 5. Power Spectral Density

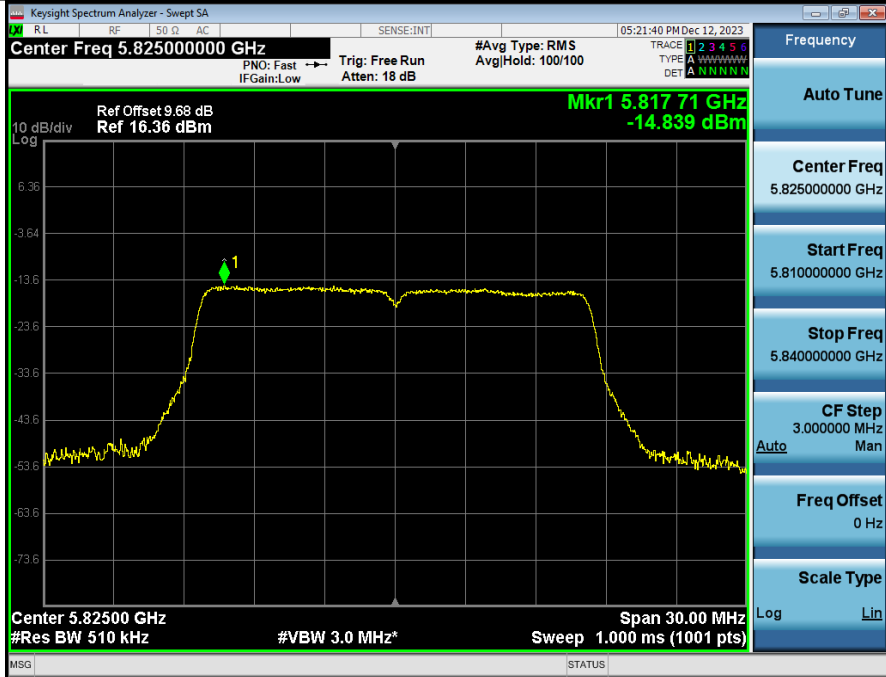
Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA(dBm/RBW)	Duty factor(dB)	RB factor(dB)	PSD(dBm/500kHz)	limit(dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-11.80	0.12	-0	-11.77	30	Pass
NVNT	ANT1	802.11a	5785.00	-11.10	0.18	-0	-11.00	30	Pass
NVNT	ANT1	802.11a	5825.00	-14.84	0.12	-0	-14.81	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-13.91	0.22	-0	-13.78	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-12.69	0.22	-0	-12.56	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-14.70	0.22	-0	-14.56	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-14.06	0.22	-0	-13.93	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-12.52	0.22	-0	-12.39	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-14.79	0.22	-0	-14.66	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-15.40	0.28	-0	-15.21	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-15.07	0.28	-0	-14.88	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-15.47	0.28	-0	-15.27	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-15.48	0.28	-0	-15.28	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-18.15	0.79	-0	-17.44	30	Pass



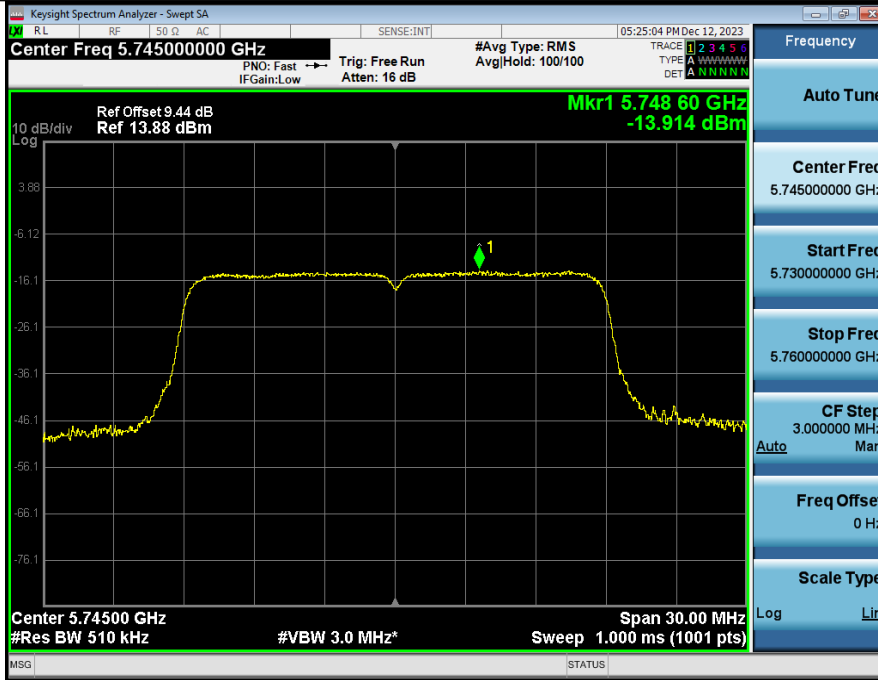
Power Spectral Density NVNT\_ANT1\_802\_11a\_5785



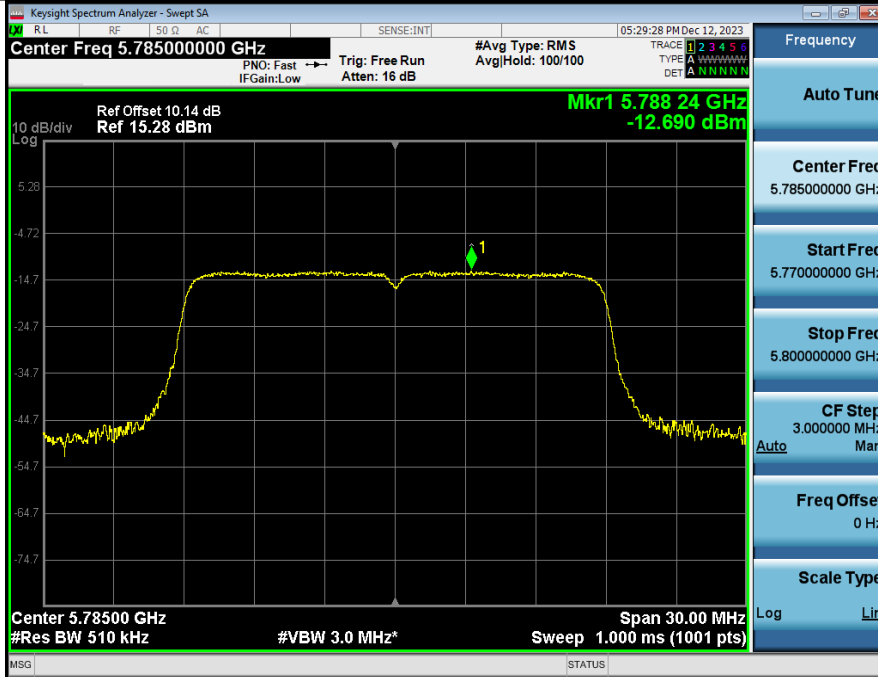
Power Spectral Density NVNT\_ANT1\_802\_11a\_5825



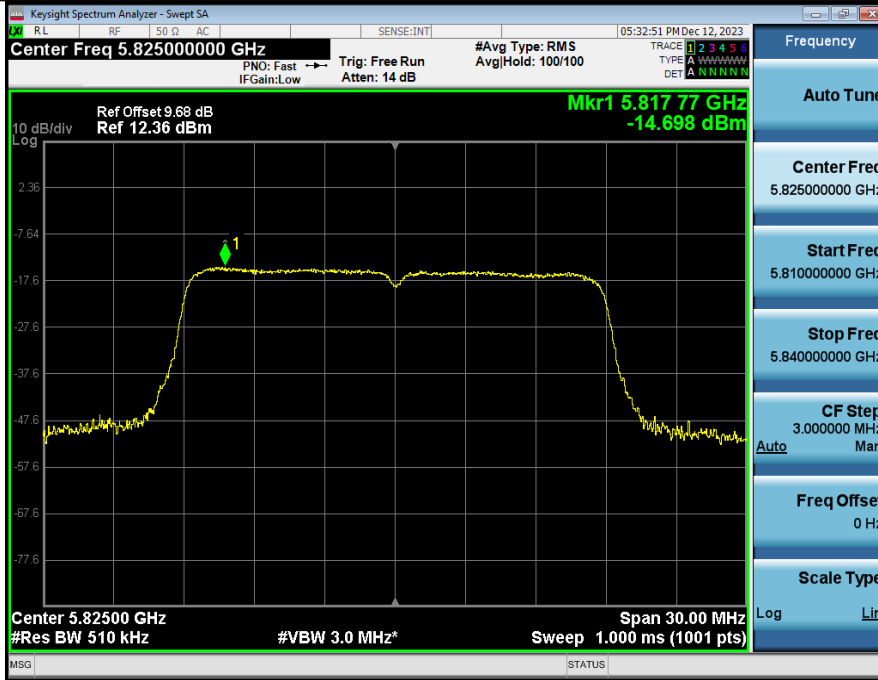
Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5745



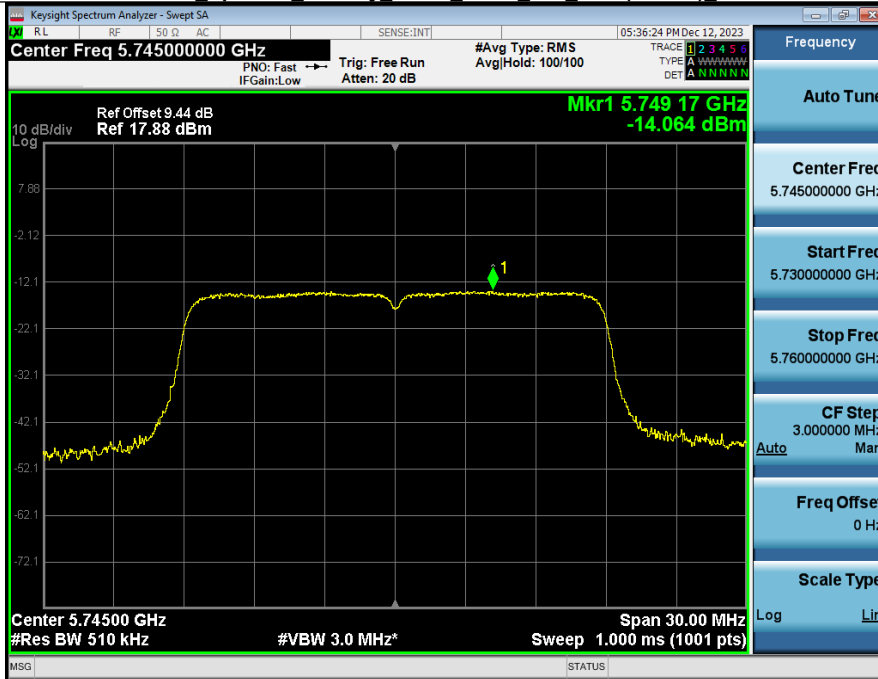
Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5785



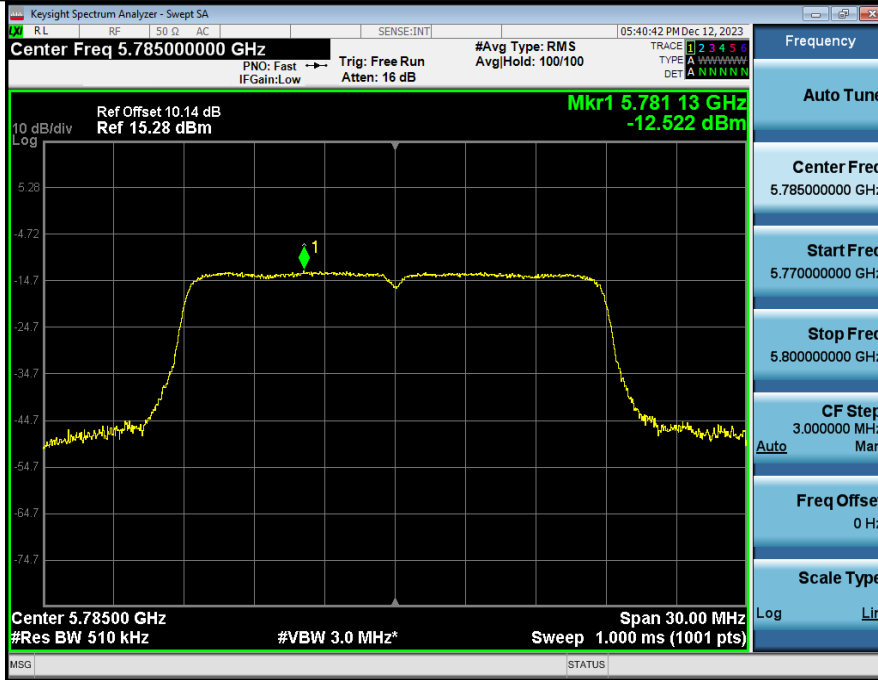
Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT20)\_5825



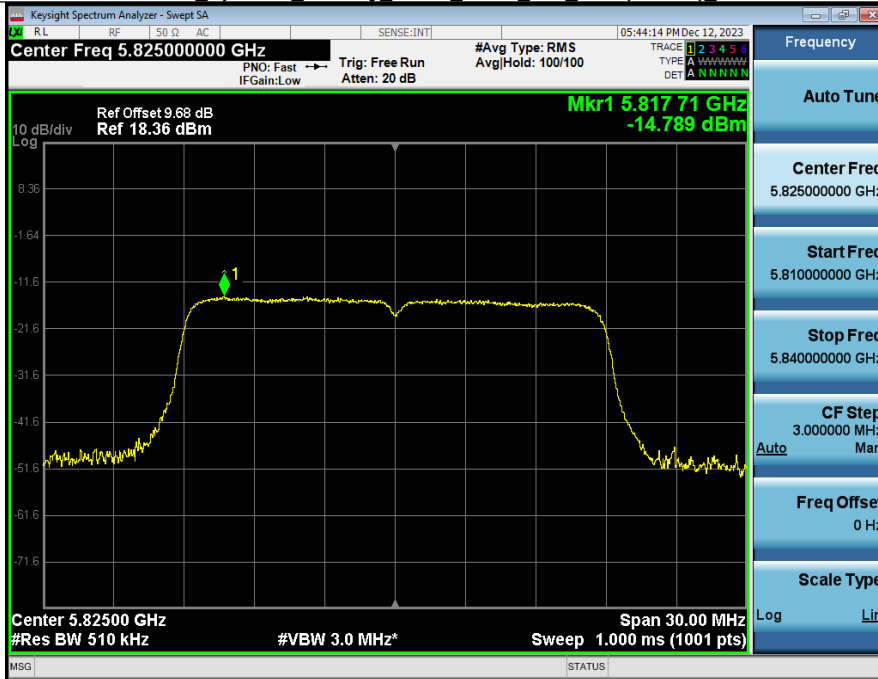
Power Spectral Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745



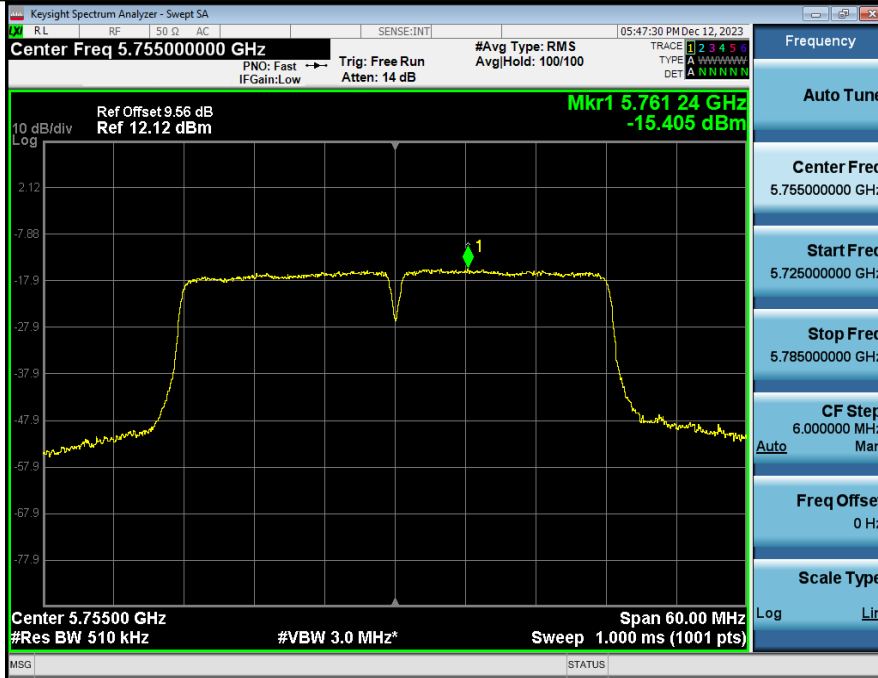
Power Spectral Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5785



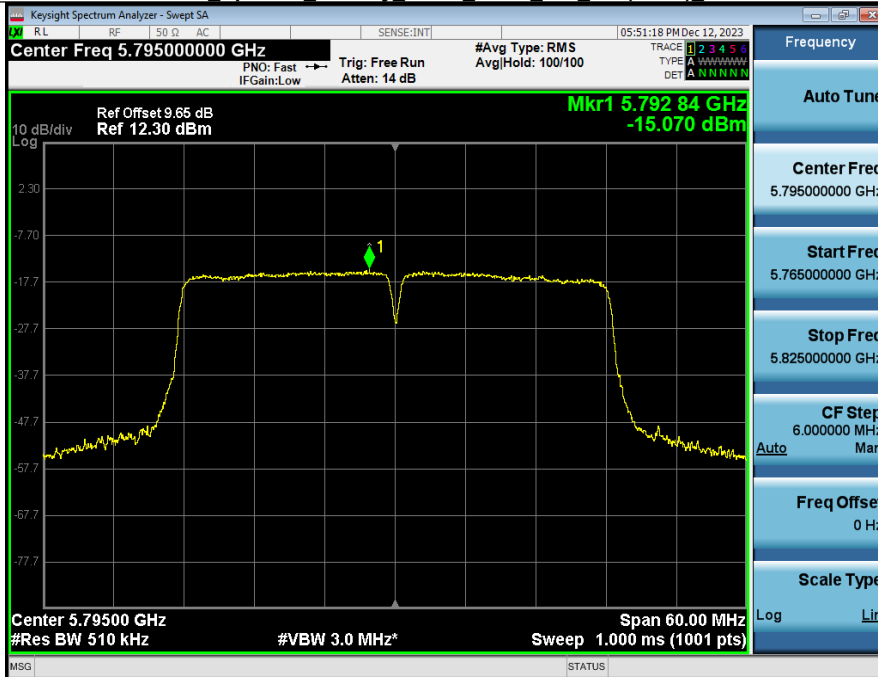
Power Spectral Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5825



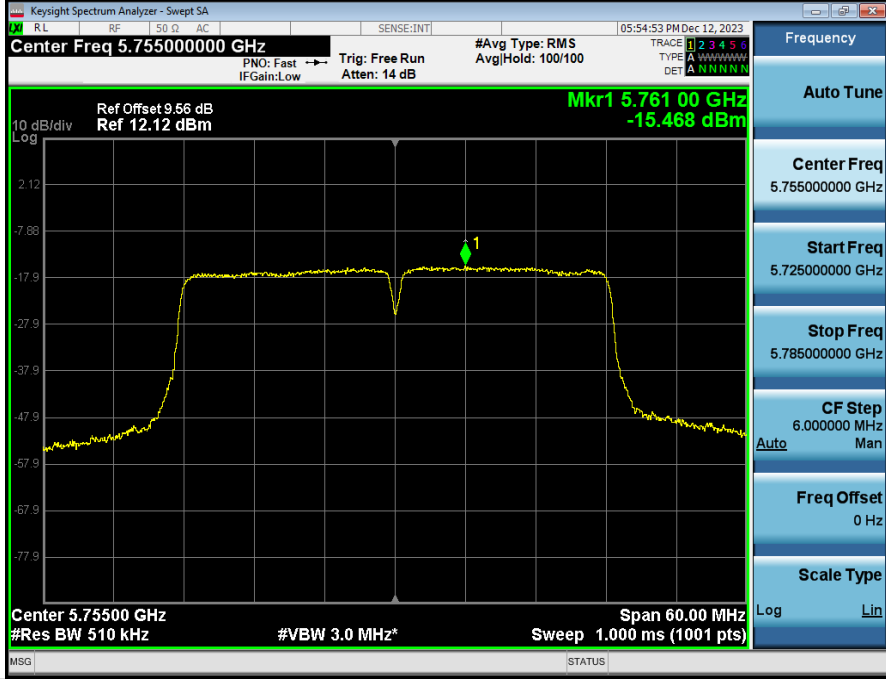
Power Spectral Density NVNT\_ANT1\_802\_11n(HT40)\_5755



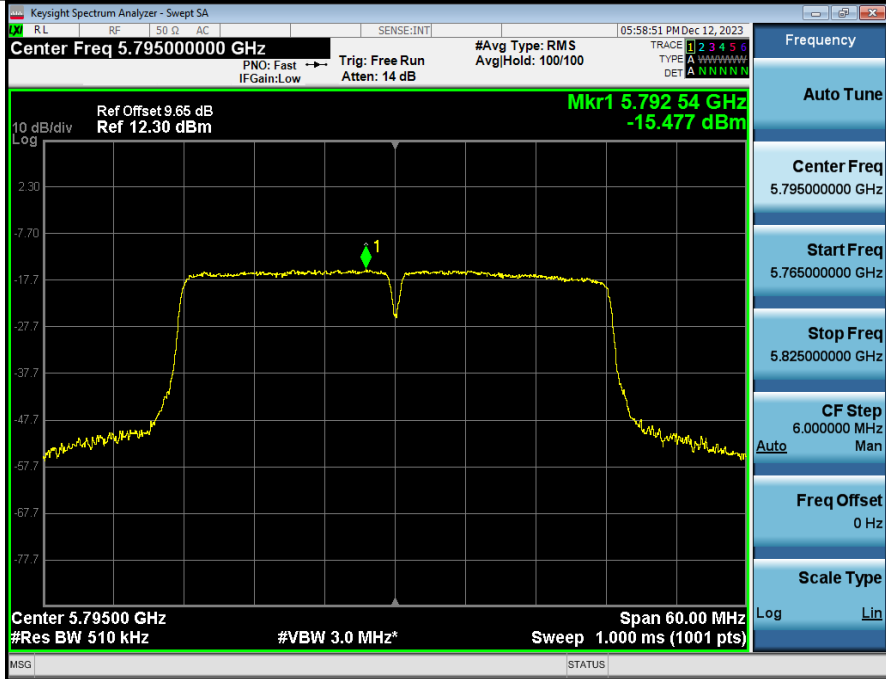
Power Spectral Density NVNT\_ANT1\_802\_11n(HT40)\_5795



Power Spectral Density\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755



Power Spectral Density\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795





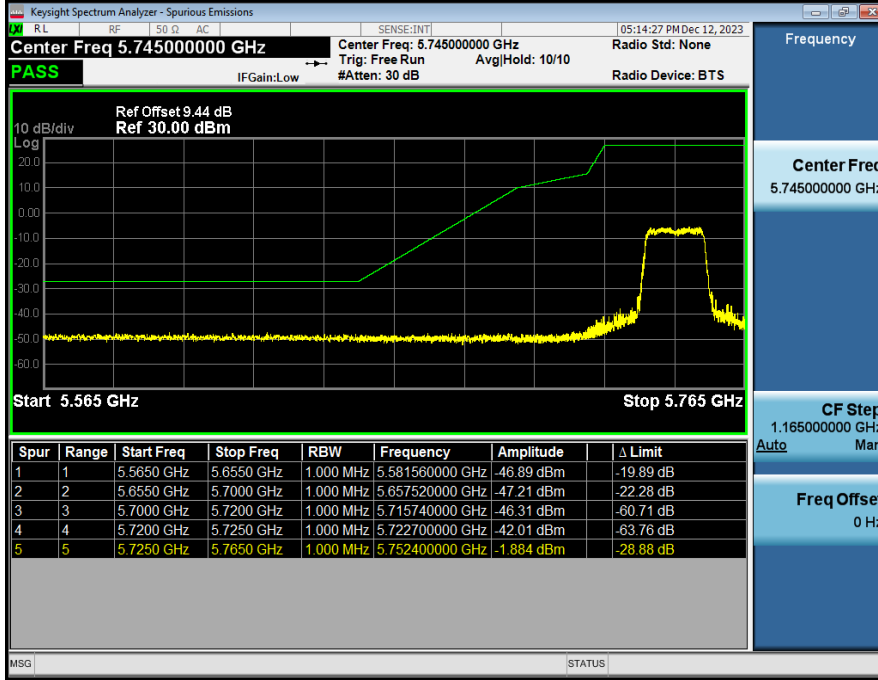


## 6. Bandedge

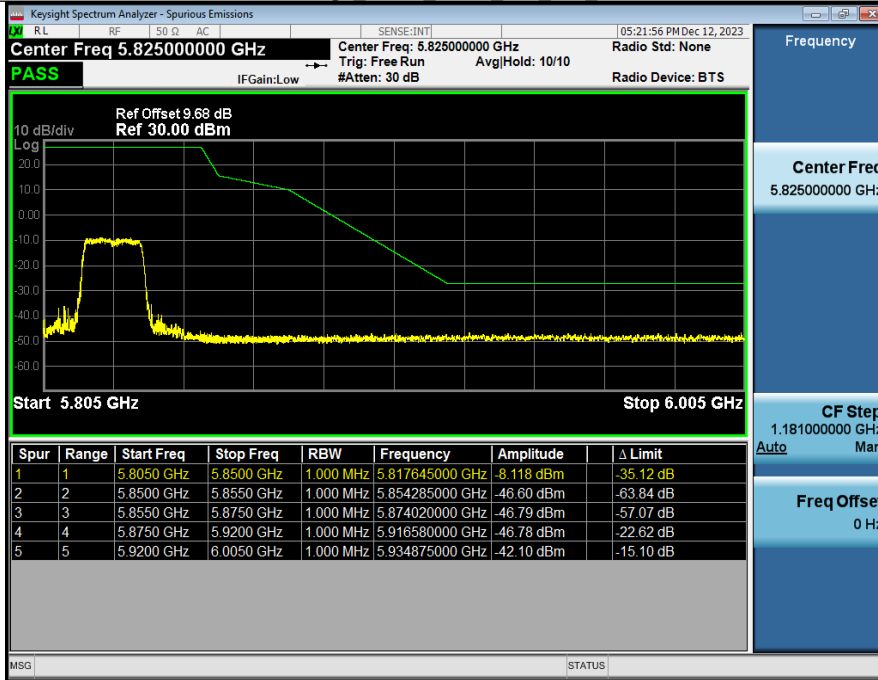
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5581.560	-46.89	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5657.520	-47.21	-24.93	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5715.740	-46.31	14.41	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5722.700	-42.01	21.76	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.285	-46.60	17.23	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5874.020	-46.79	10.27	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5916.580	-46.78	-24.19	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5934.875	-42.10	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5634.210	-46.60	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5660.985	-47.54	-22.08	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5716.280	-47.12	14.56	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5721.145	-42.88	18.21	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5854.310	-46.11	17.17	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5871.080	-46.57	11.10	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5918.515	-46.81	-25.78	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5937.850	-42.31	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5640.330	-46.77	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5655.720	-47.23	-26.41	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5706.100	-47.23	11.71	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5723.910	-41.72	24.51	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5853.725	-46.34	18.51	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5871.440	-47.02	11.00	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5915.545	-46.90	-23.34	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5939.295	-42.01	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5606.280	-46.76	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5657.790	-47.12	-24.71	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5713.880	-46.20	13.89	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5721.275	-44.28	18.51	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.770	-47.48	16.12	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5871.840	-47.00	10.88	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5914.870	-47.08	-22.78	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5941.665	-42.00	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5604.240	-47.15	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5658.870	-47.48	-23.82	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5717.980	-45.23	15.03	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5720.690	-43.84	17.17	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.515	-47.32	16.71	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5871.720	-46.83	10.92	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5918.155	-46.74	-25.48	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5922.975	-41.97	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5651.080	-45.97	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5662.515	-46.54	-20.82	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5705.580	-45.56	11.56	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5721.175	-42.99	18.28	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5854.965	-46.54	15.68	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5872.780	-46.23	10.62	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5919.685	-45.81	-26.74	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5920.195	-41.97	-27.00	Pass

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

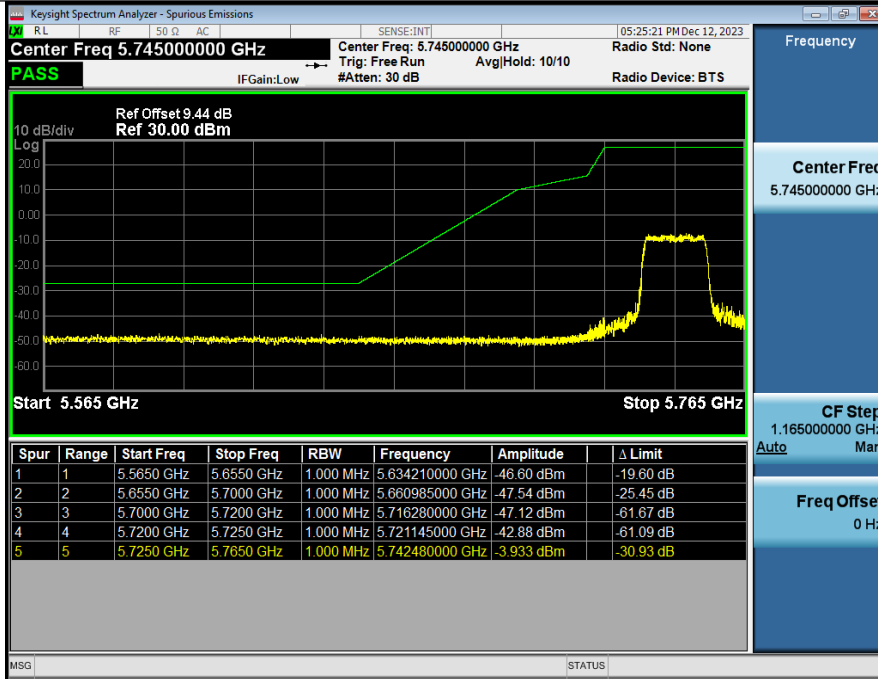
Bandedge\_NVNT\_ANT1\_802\_11a\_5745



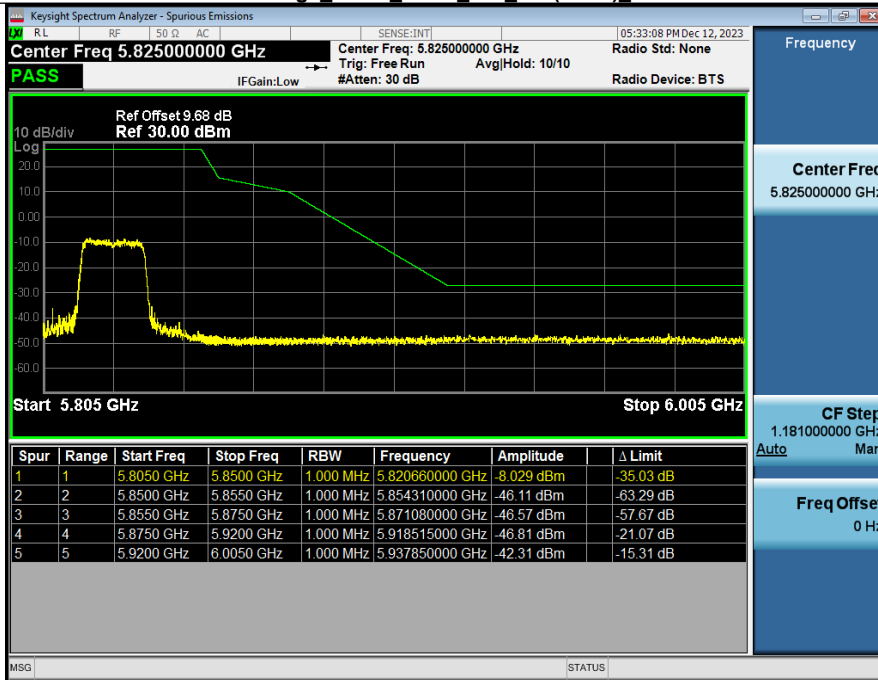
Bandedge\_NVNT\_ANT1\_802\_11a\_5825



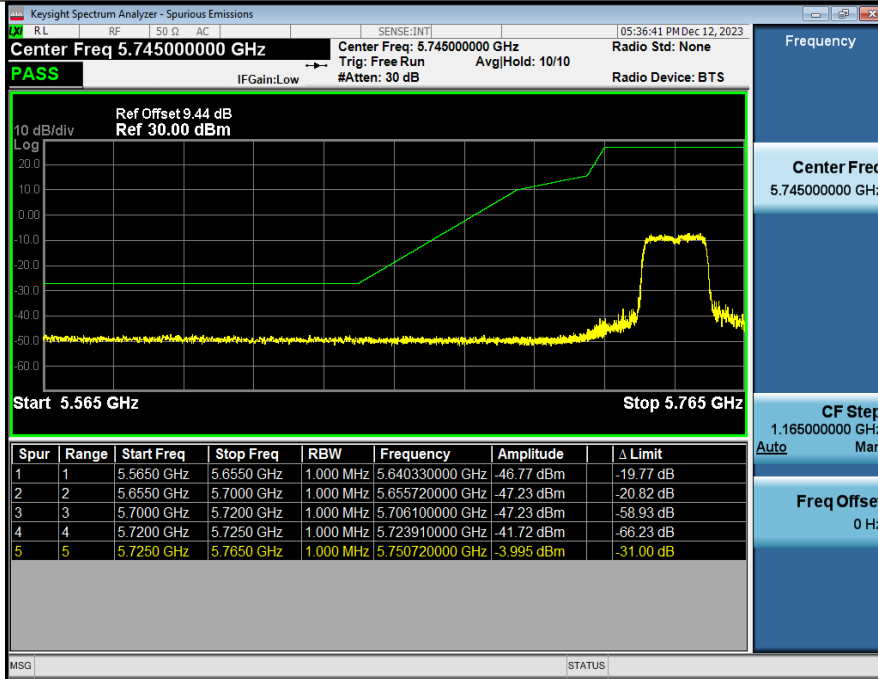
### Bandedge\_NVNT\_ANT1\_802\_11n(HT20)\_5745



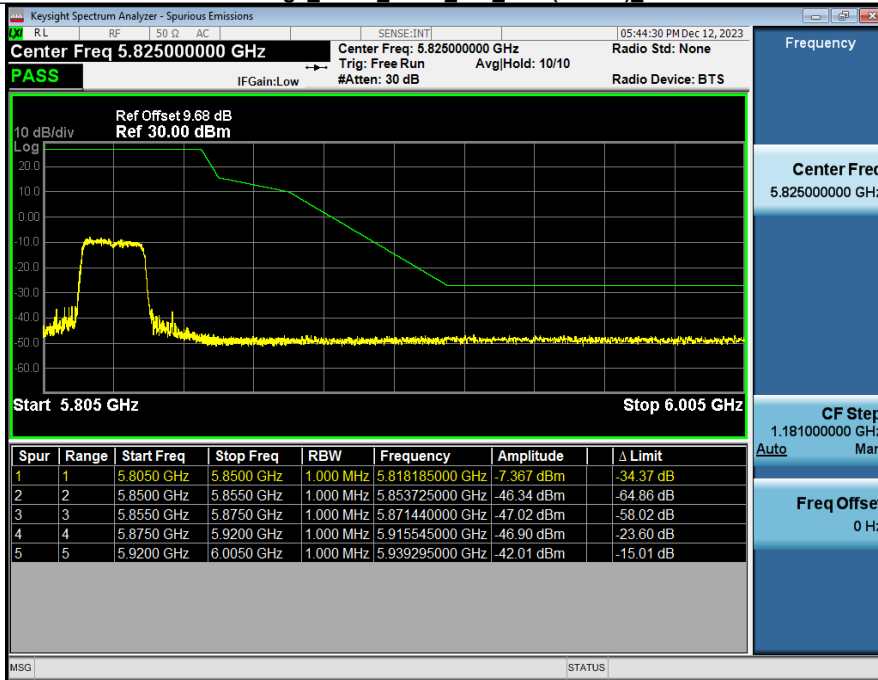
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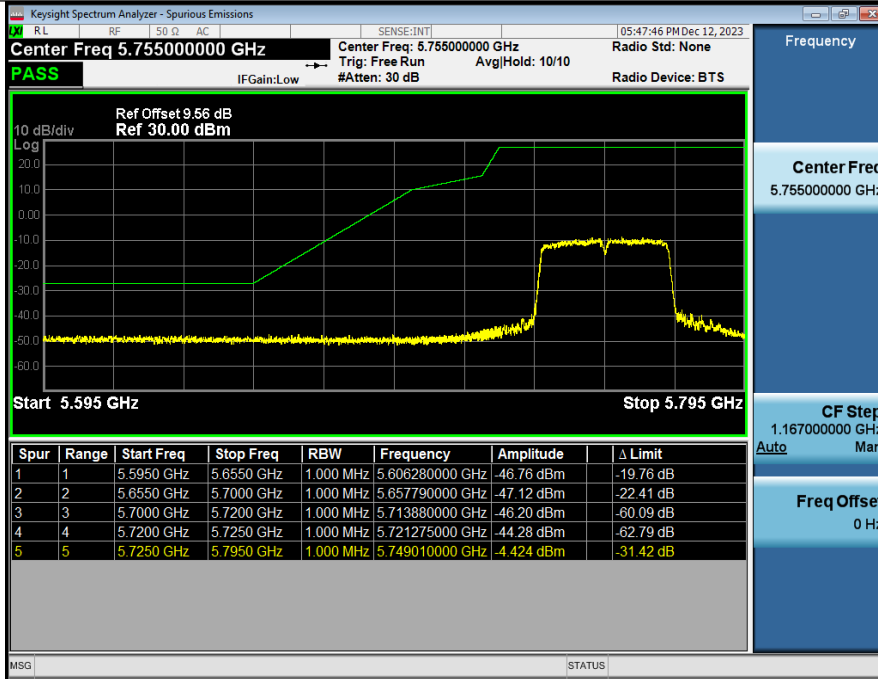
### Bandedge\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745



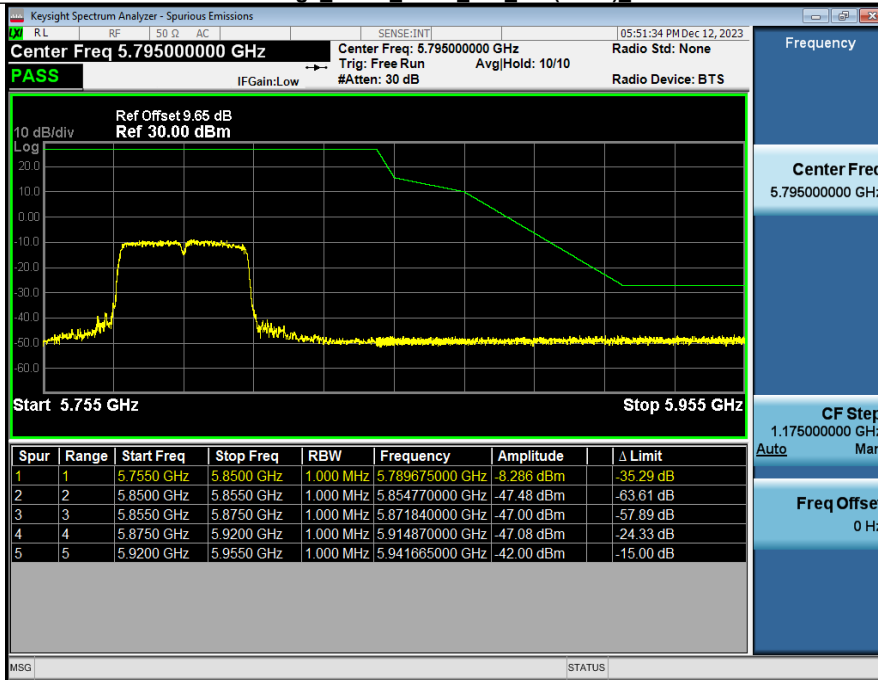
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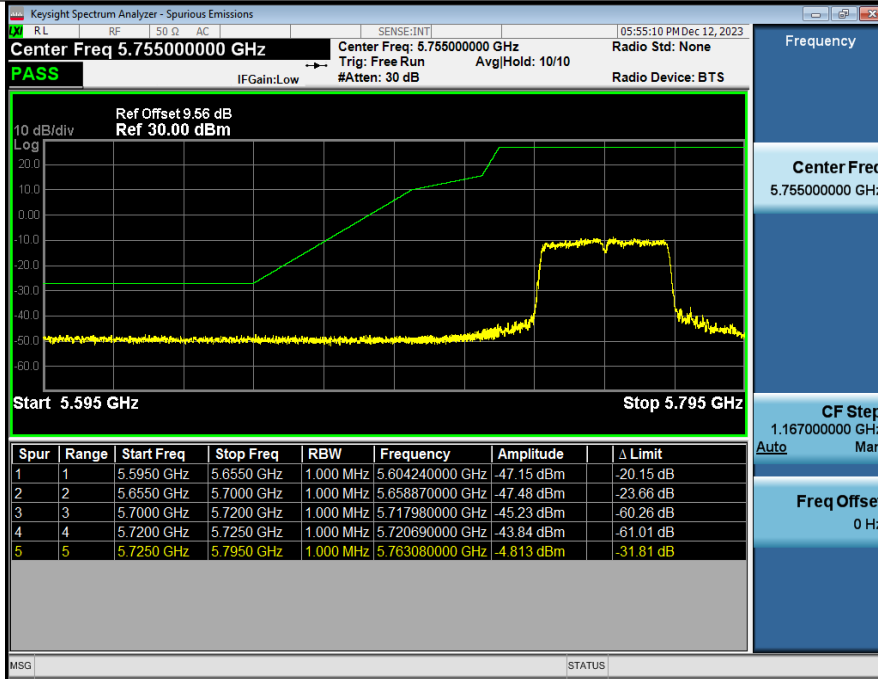
Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_5755



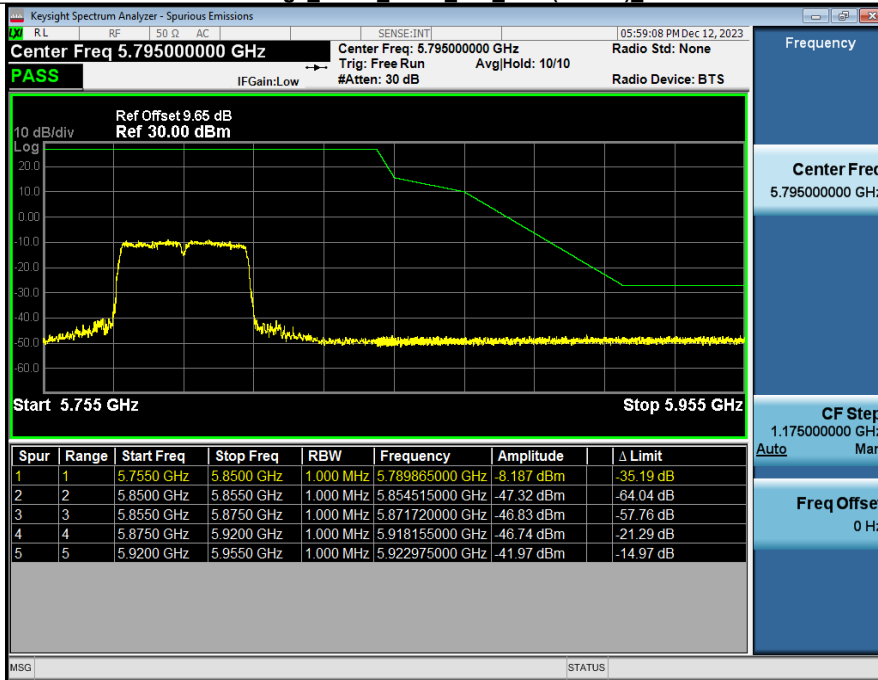
Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_5795



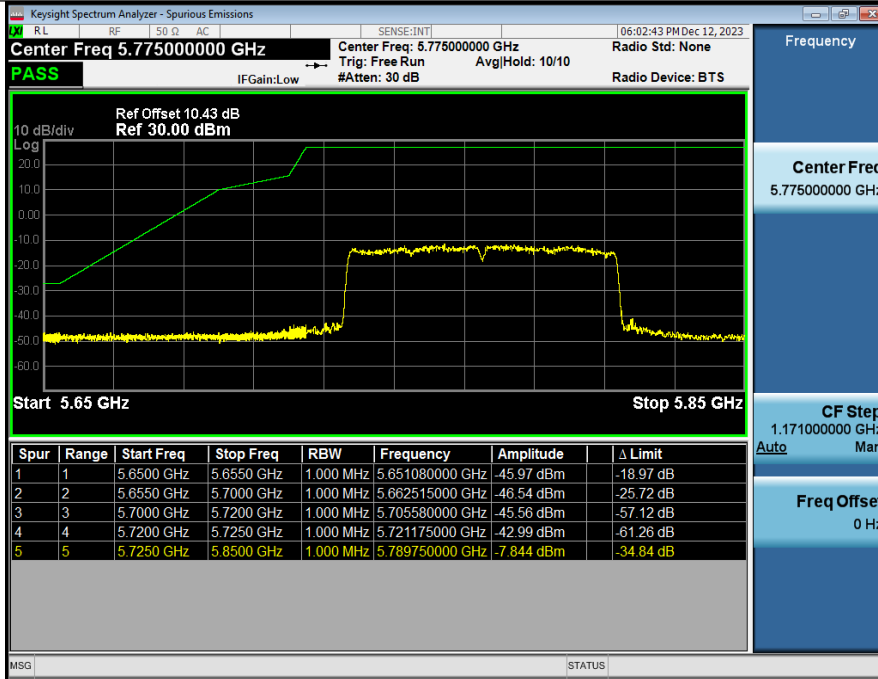
Bandedge\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755



Bandedge\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795



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



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

