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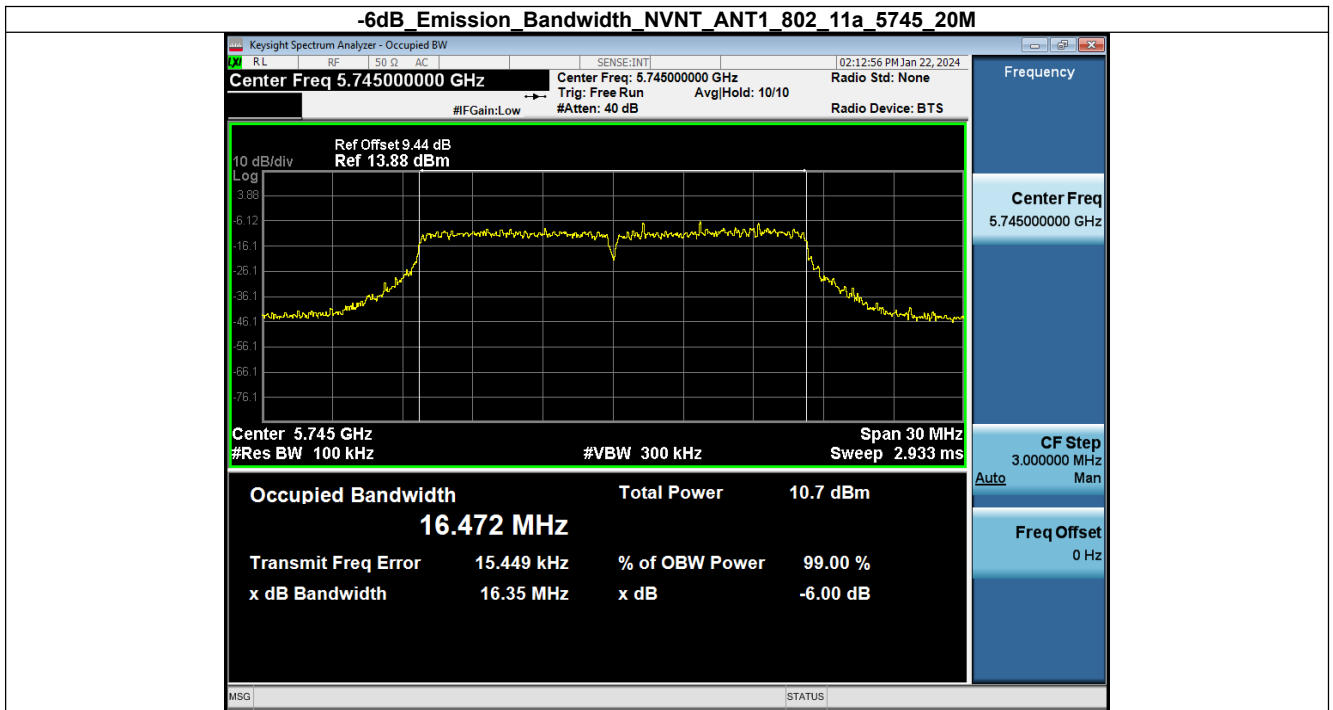
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FCC ID: 2A5I9-SJ20

FCC_5.8G_WIFI (Part15.407) Test Data

1. -6dB Emission Bandwidth

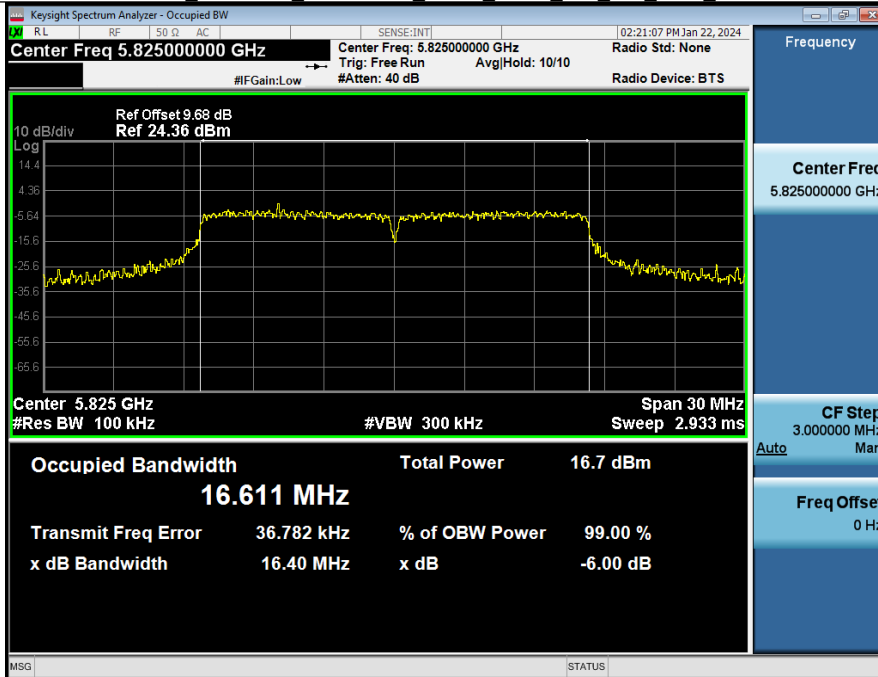
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745.00	16.351	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.404	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.399	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.571	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.693	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.879	0.500	Pass
NVNT	ANT1	LCH	5745.00	16.915	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.043	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.326	0.500	Pass
NVNT	ANT1	LCH	5755.00	36.334	0.500	Pass
NVNT	ANT1	HCH	5795.00	34.936	0.500	Pass
NVNT	ANT1	LCH	5755.00	34.786	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.547	0.500	Pass
NVNT	ANT1	MCH	5775.00	75.281	0.500	Pass



-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5785_20M



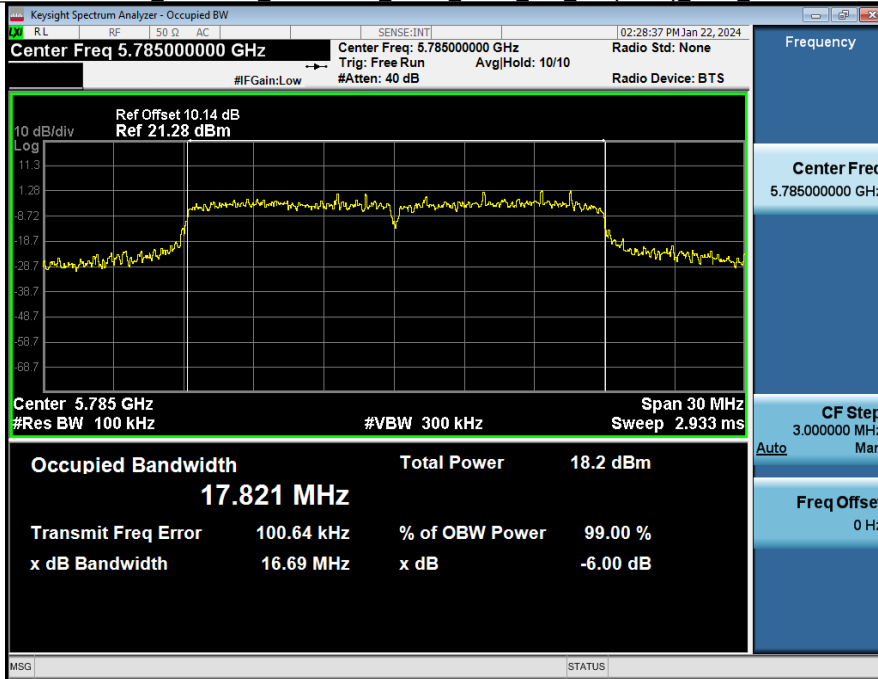
-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5825_20M



-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20) 5745_20M



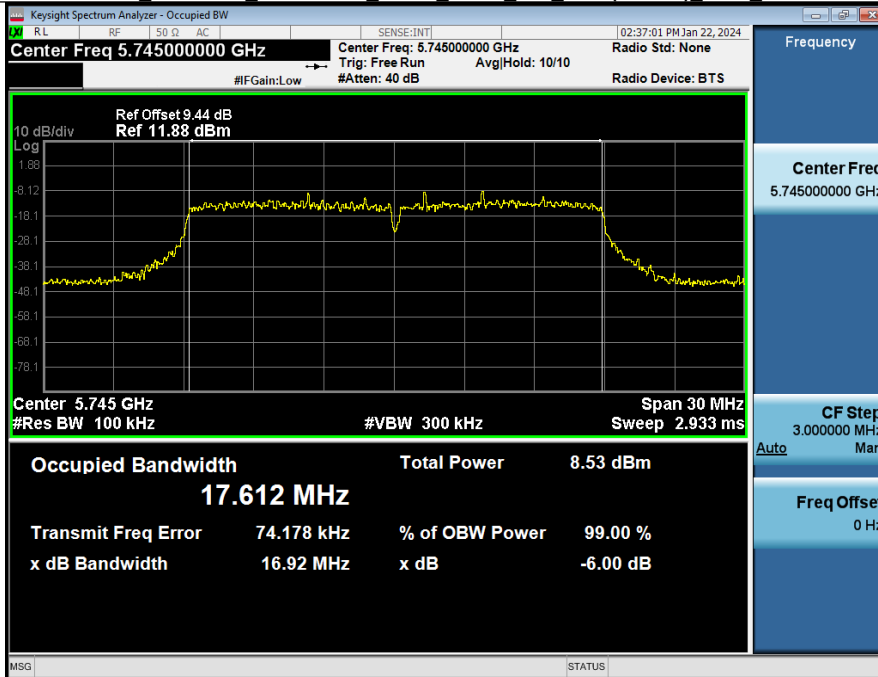
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20) 5785_20M



-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20) 5825_20M



-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20) 5745_20M



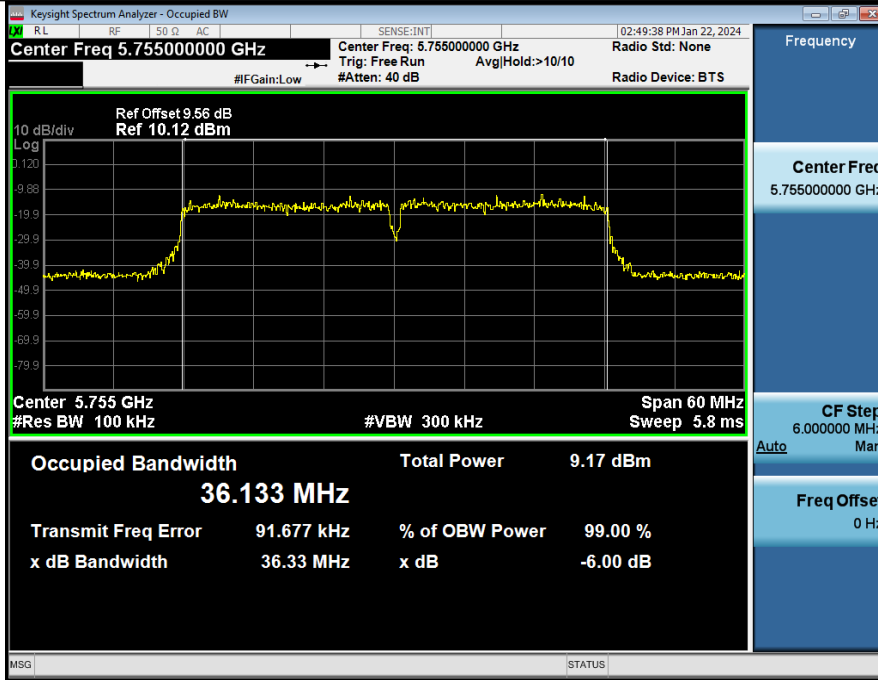
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5785_20M



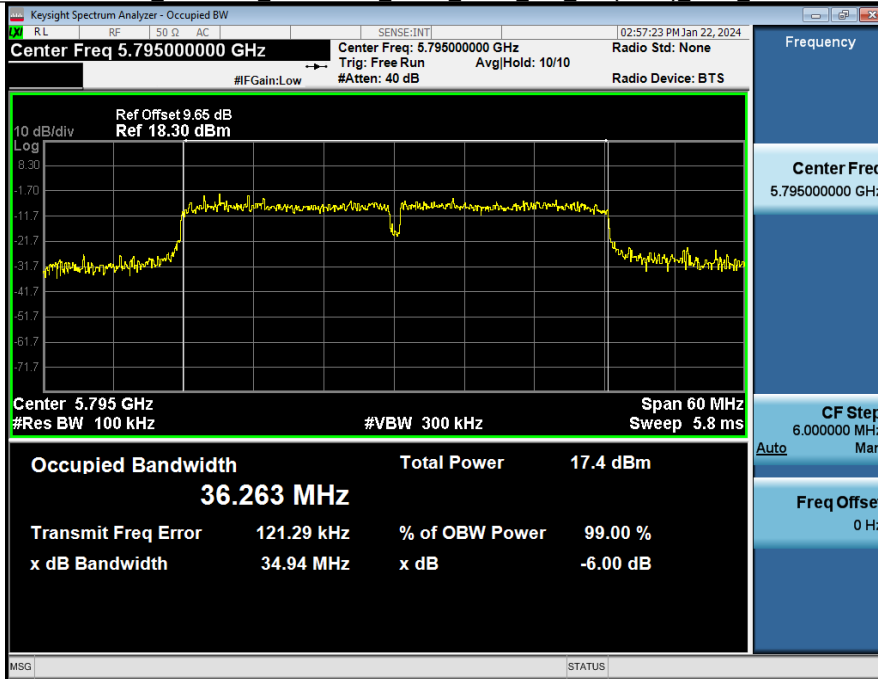
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5825_20M



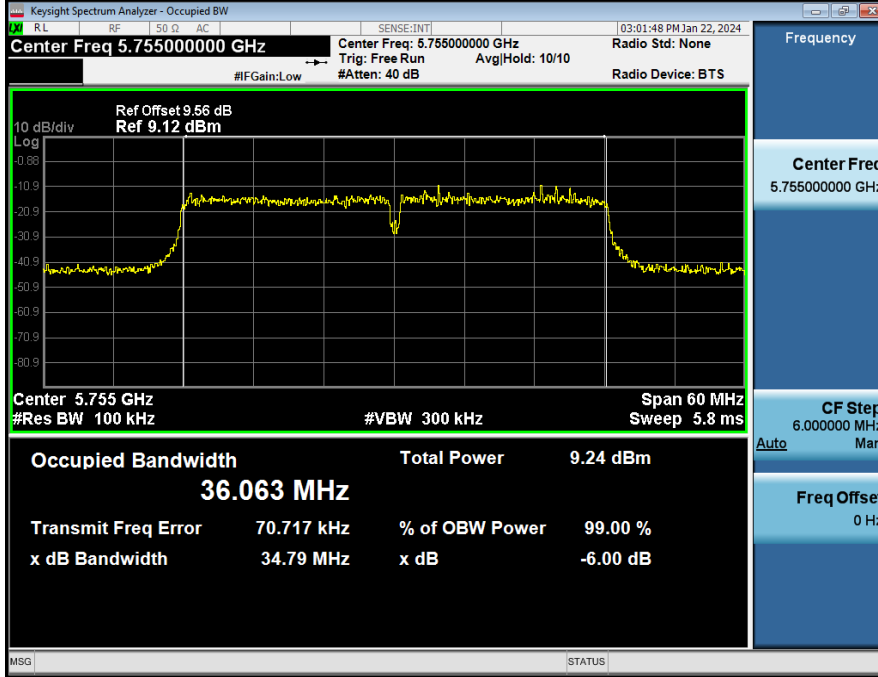
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40) 5755_40M



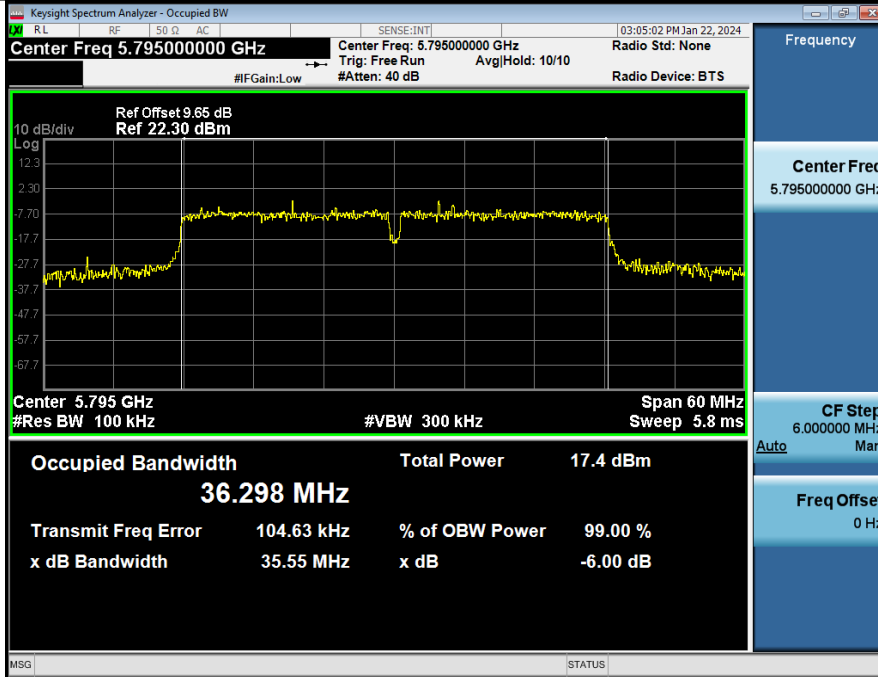
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40) 5795_40M



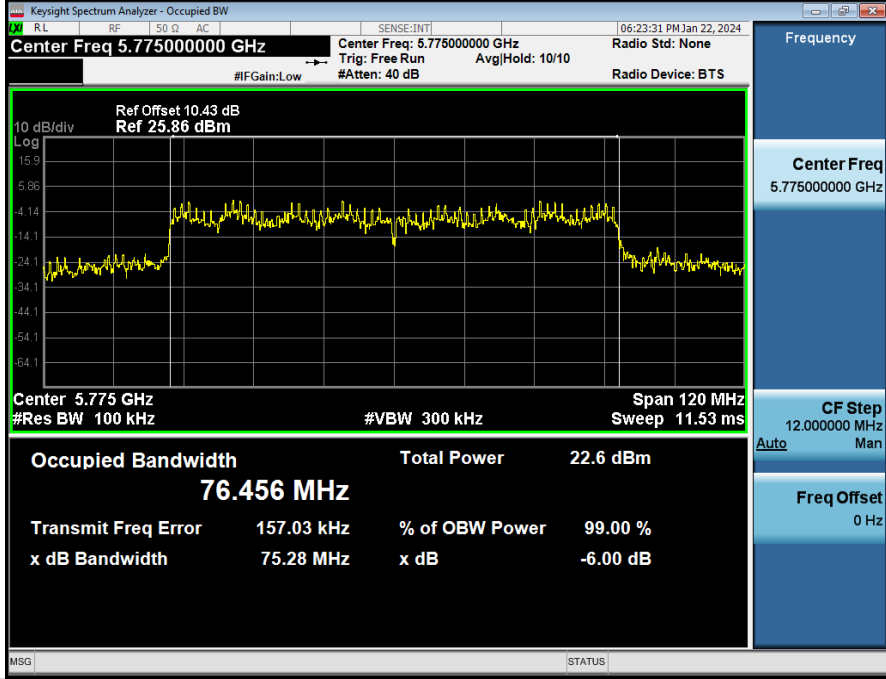
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5755_40M



-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5795_40M

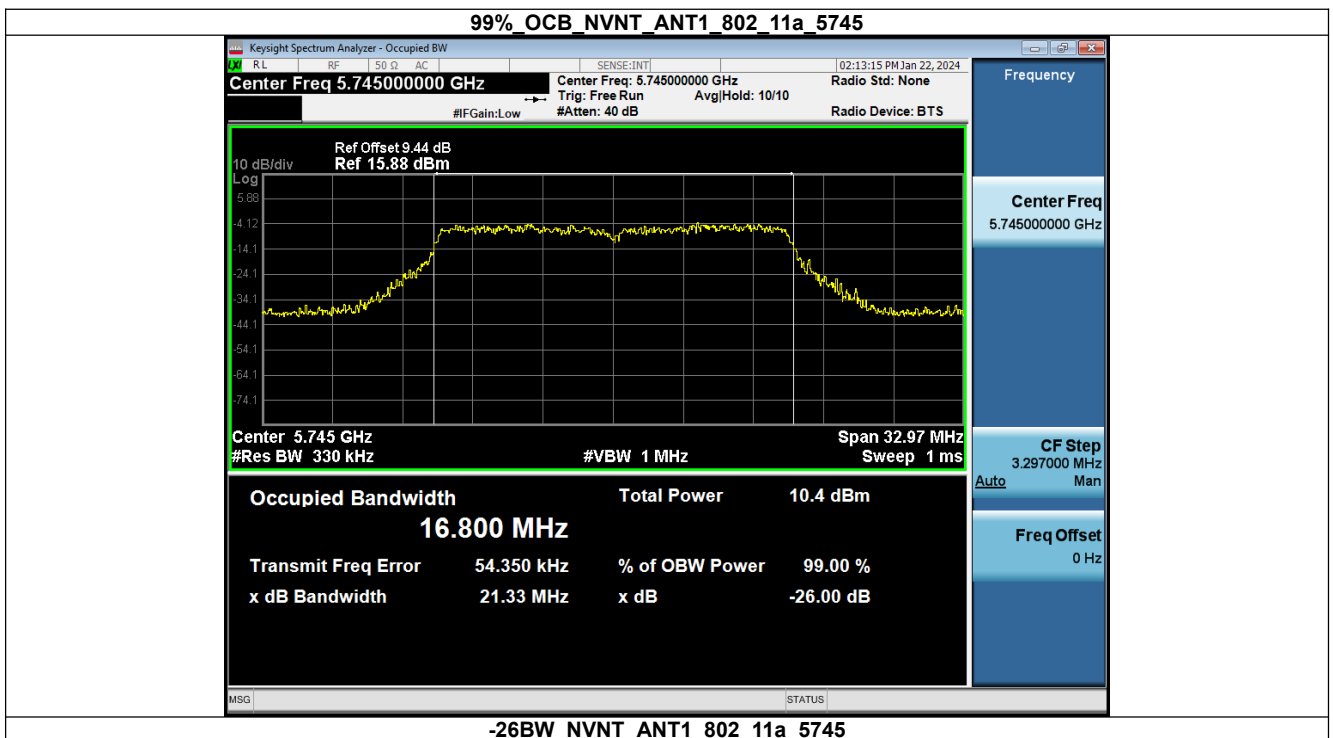


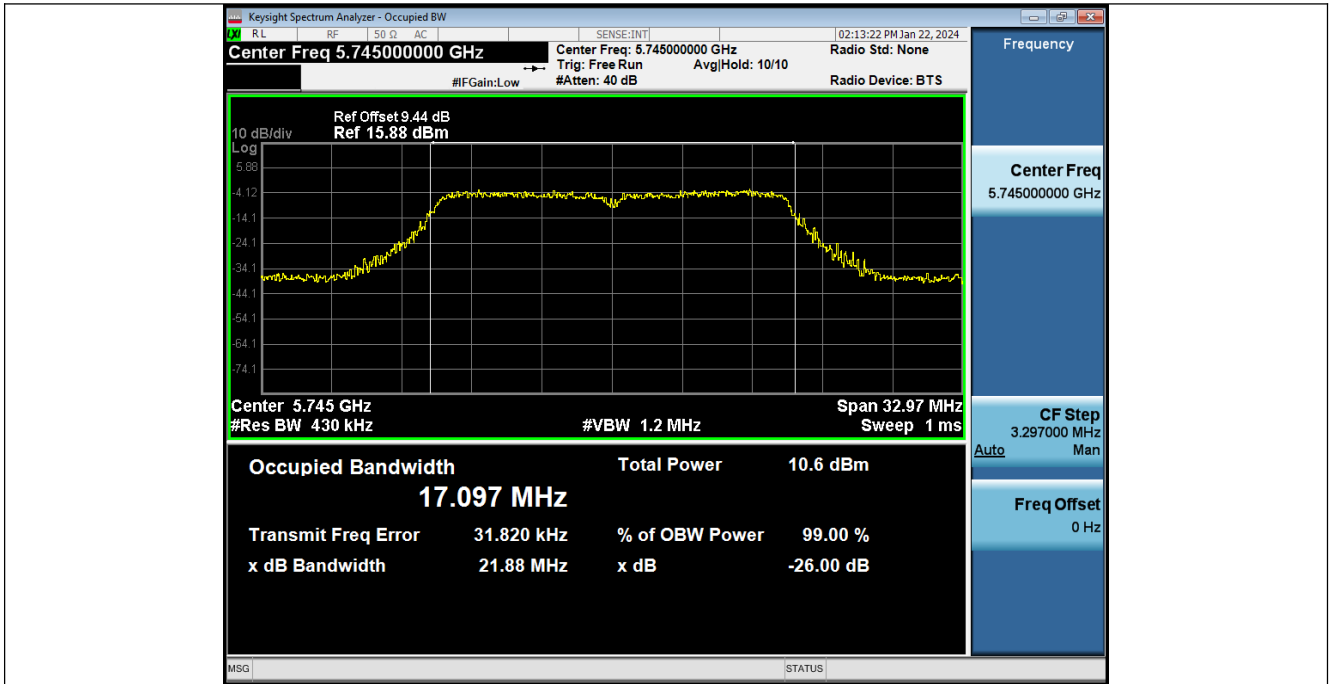
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT80)_5775_80M



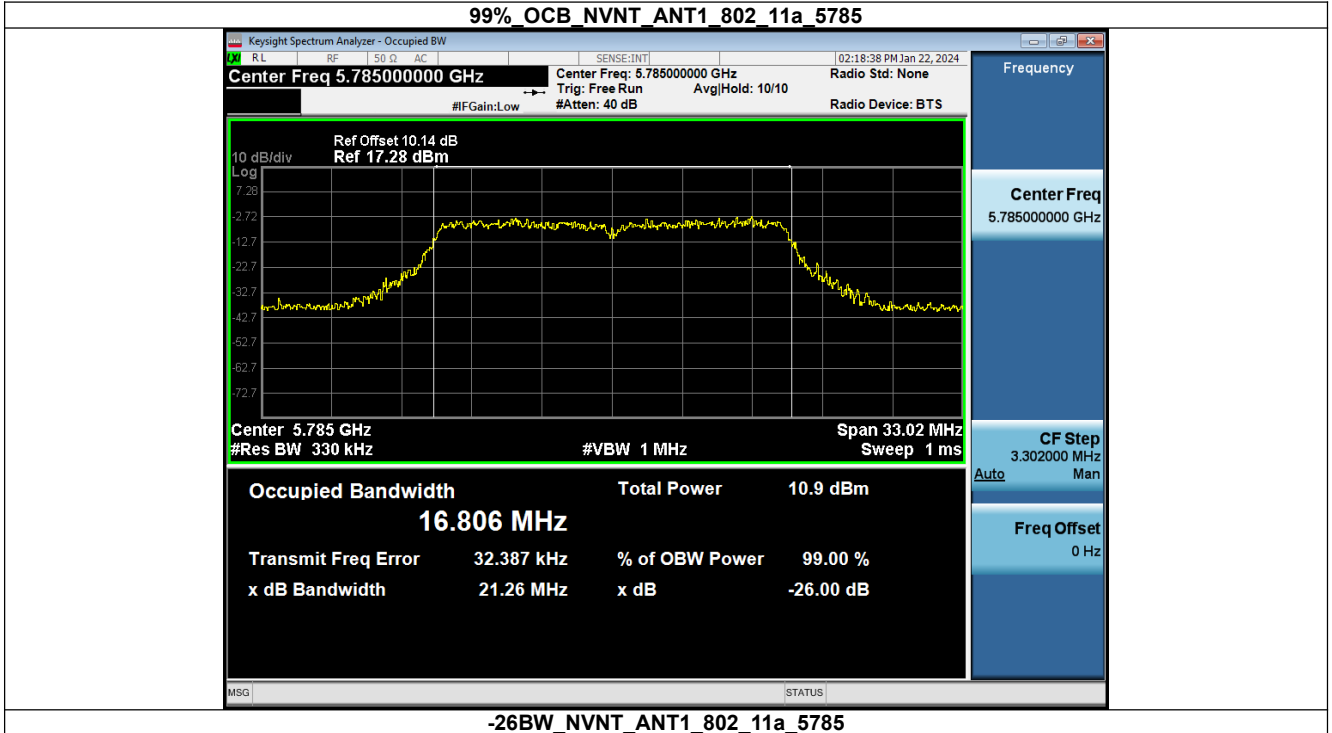
2. -26dB and 99% Emission Bandwidth

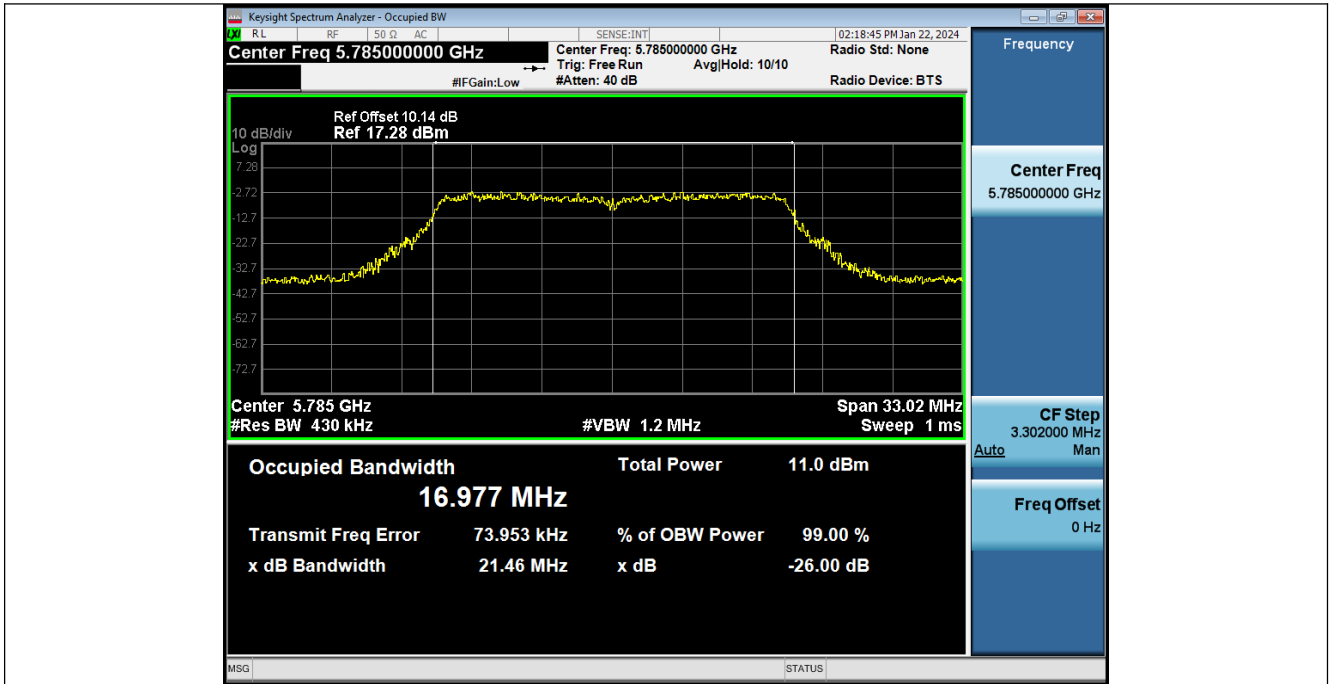
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	21.88	16.80
NVNT	ANT1	802.11a	5785.00	21.46	16.81
NVNT	ANT1	802.11a	5825.00	33.06	17.24
NVNT	ANT1	802.11n(HT20)	5745.00	21.80	17.94
NVNT	ANT1	802.11n(HT20)	5785.00	35.68	18.70
NVNT	ANT1	802.11n(HT20)	5825.00	35.21	18.27
NVNT	ANT1	802.11ac(VHT20)	5745.00	21.44	17.93
NVNT	ANT1	802.11ac(VHT20)	5785.00	35.34	18.32
NVNT	ANT1	802.11ac(VHT20)	5825.00	34.04	18.18
NVNT	ANT1	802.11n(HT40)	5755.00	42.10	36.42
NVNT	ANT1	802.11n(HT40)	5795.00	71.98	36.96
NVNT	ANT1	802.11ac(VHT40)	5755.00	42.87	36.31
NVNT	ANT1	802.11ac(VHT40)	5795.00	71.41	36.78
NVNT	ANT1	802.11ac(VHT80)	5775.00	152.60	87.71



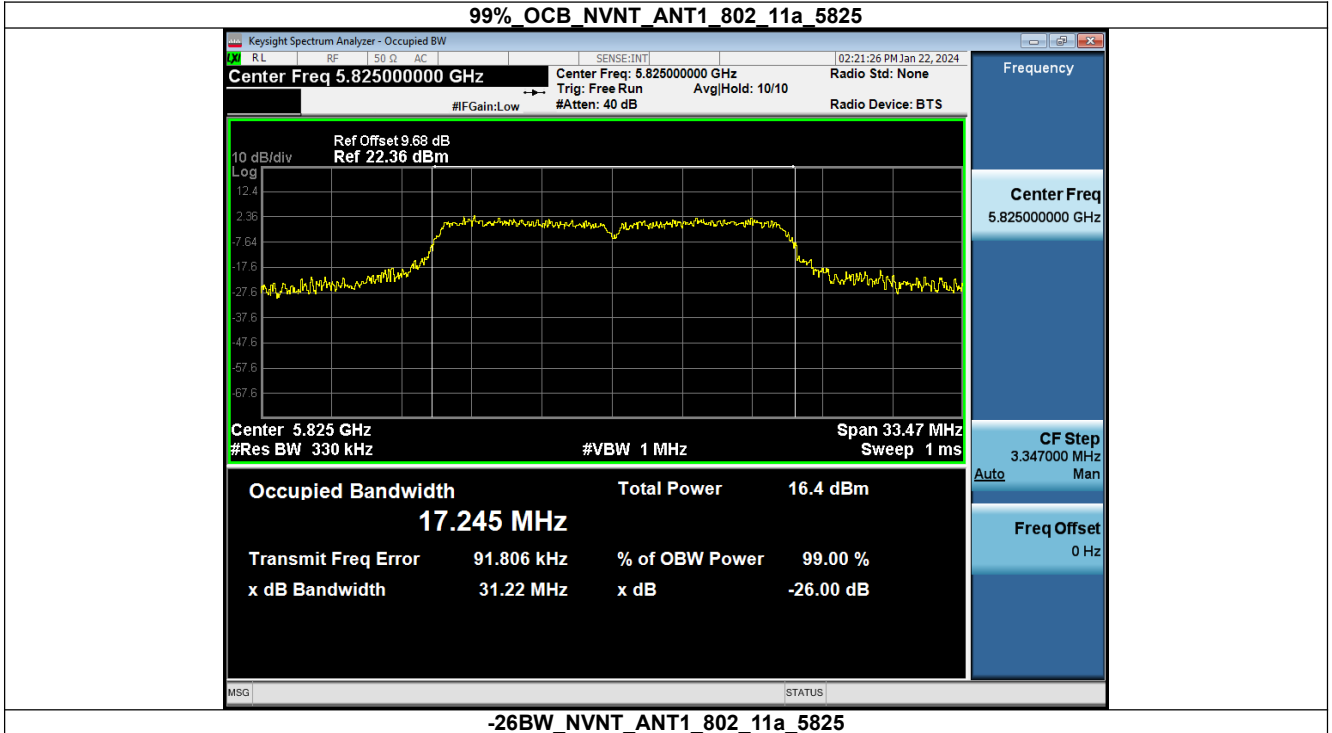


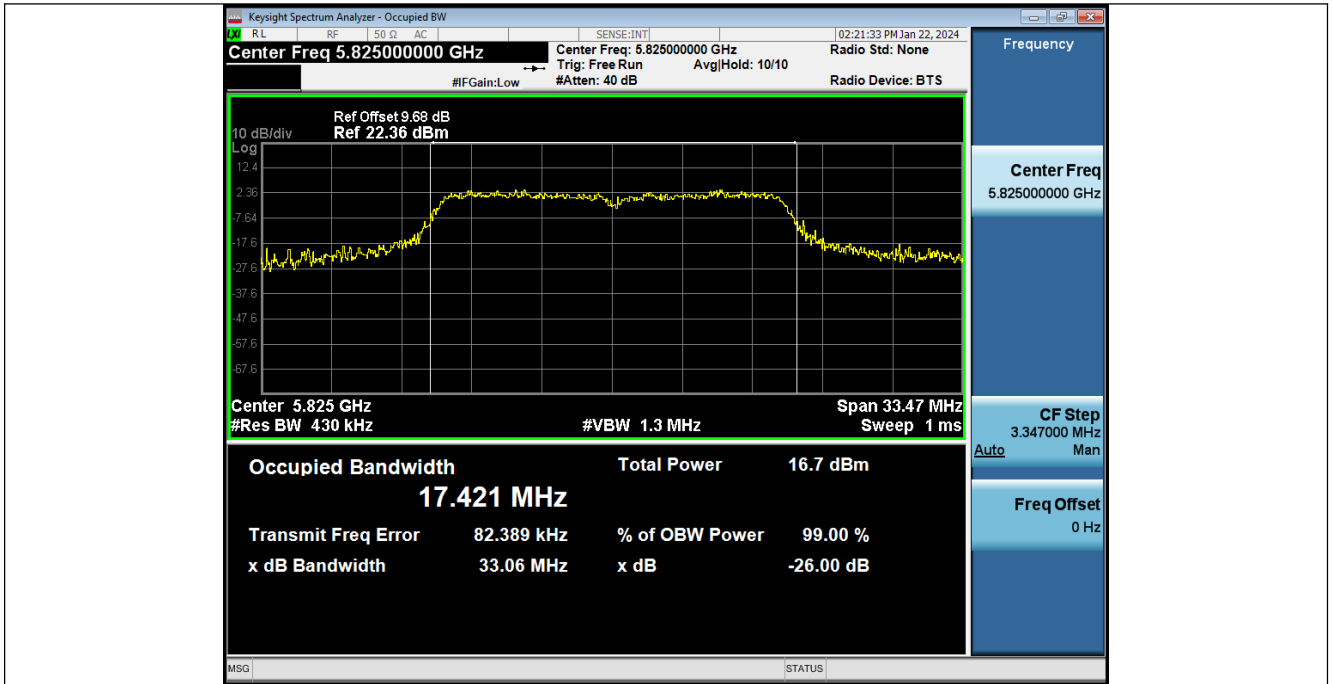
99% OCB NVNT_ANT1_802_11a_5785



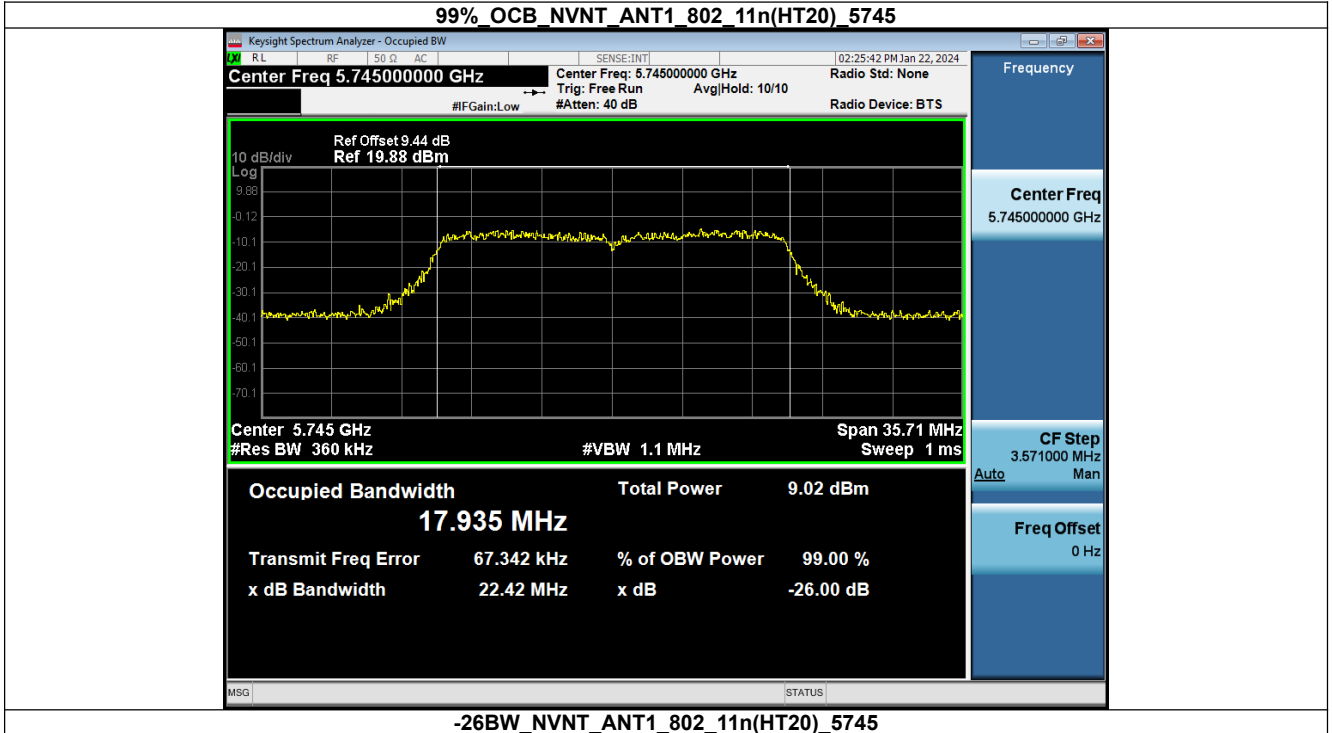


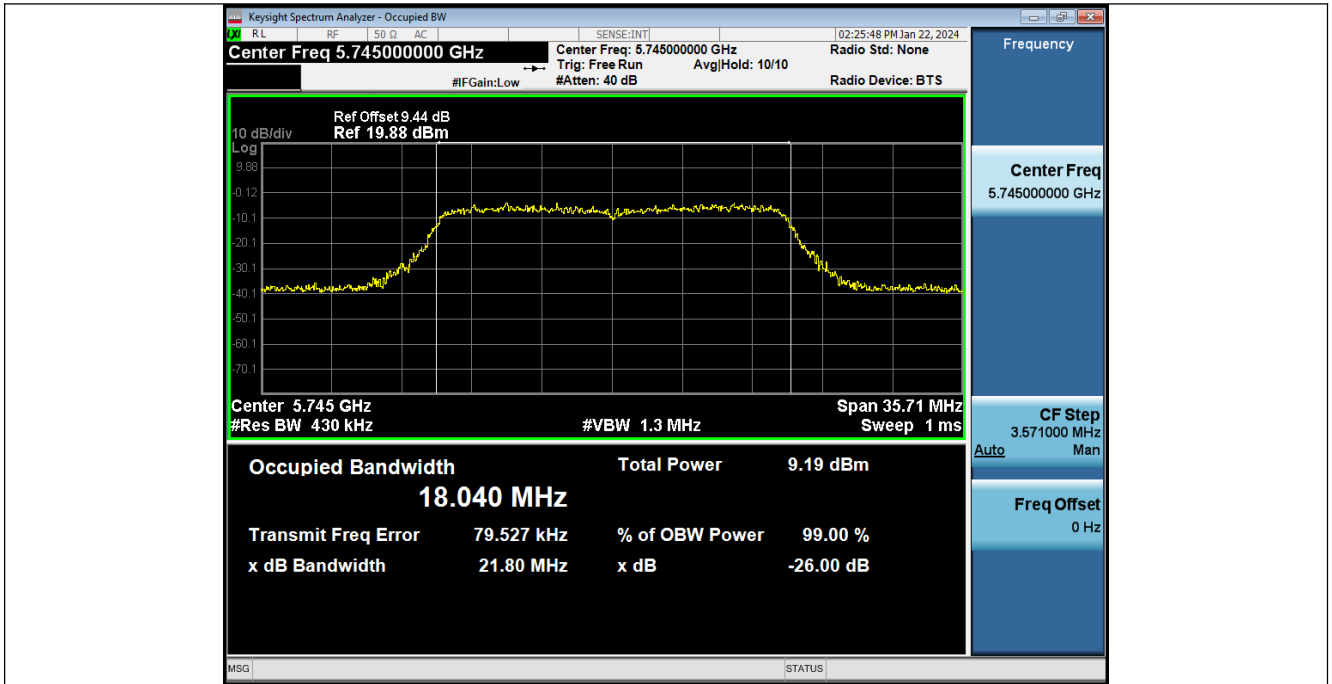
99% OCB NVNT_ANT1_802_11a_5825



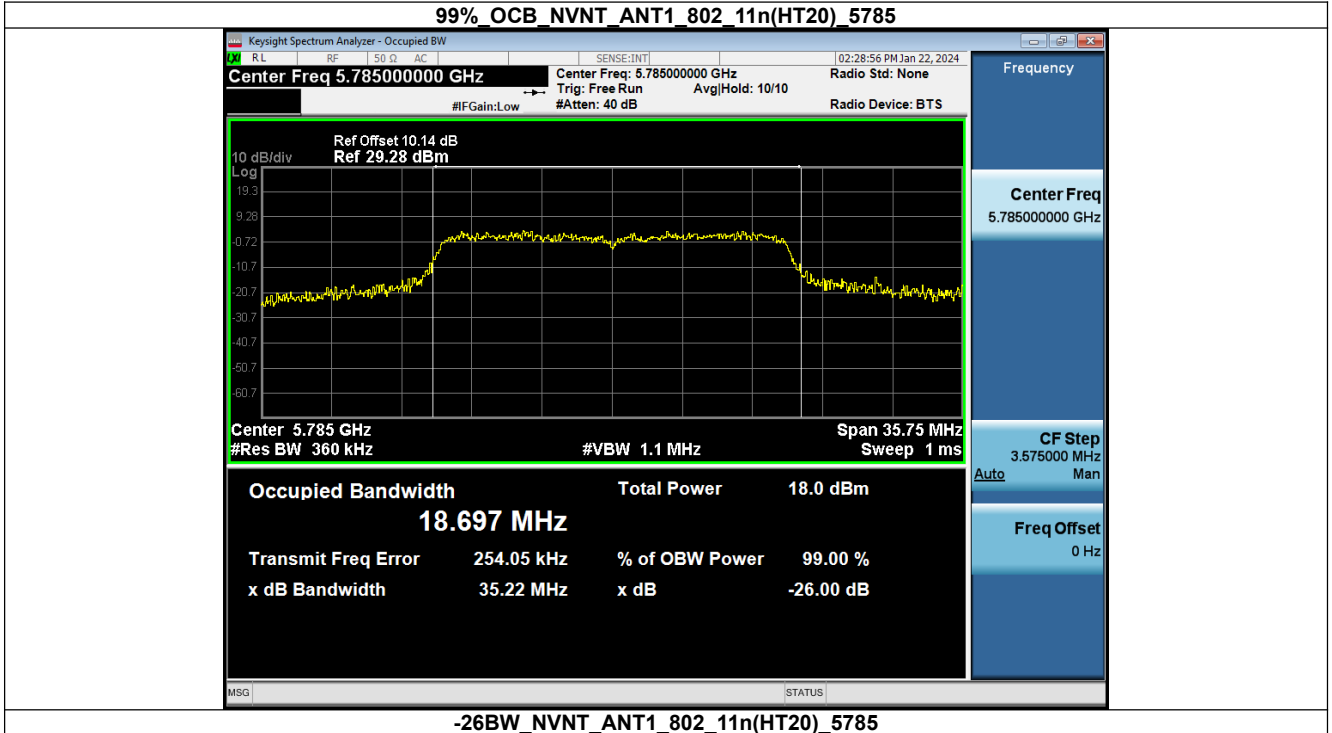


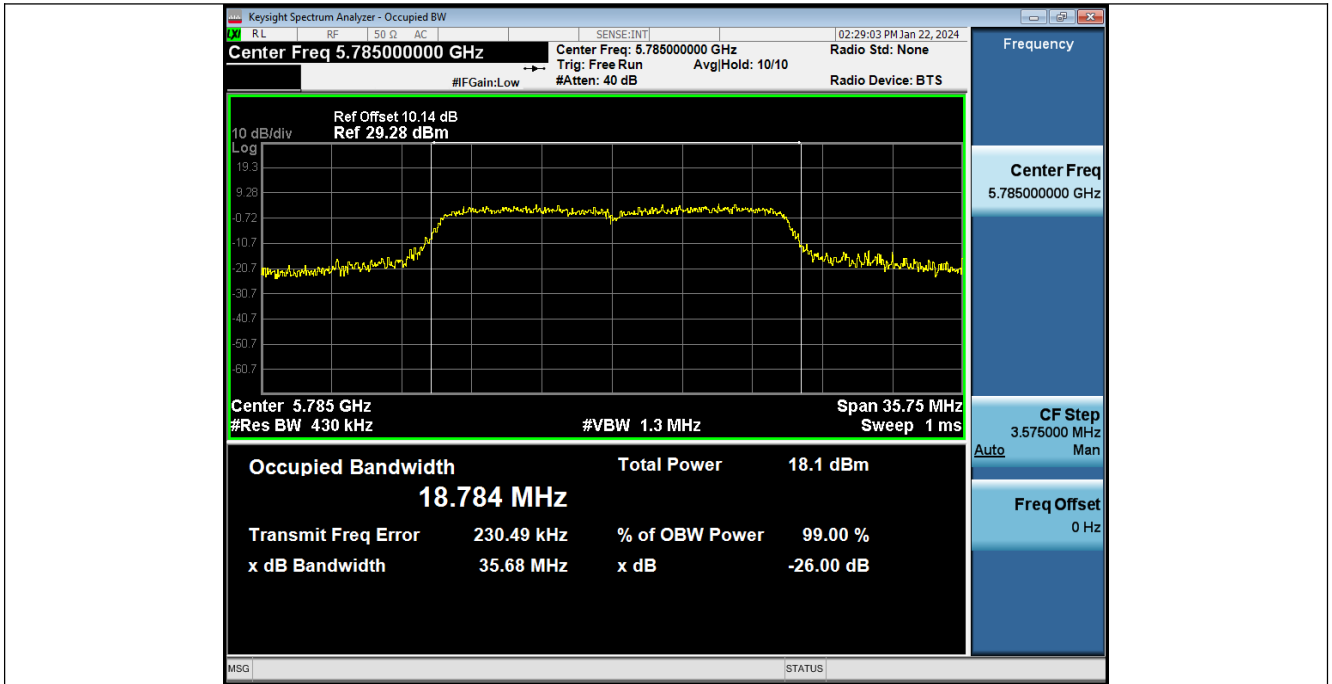
99% OCB NVNT_ANT1_802_11n(HT20)_5745



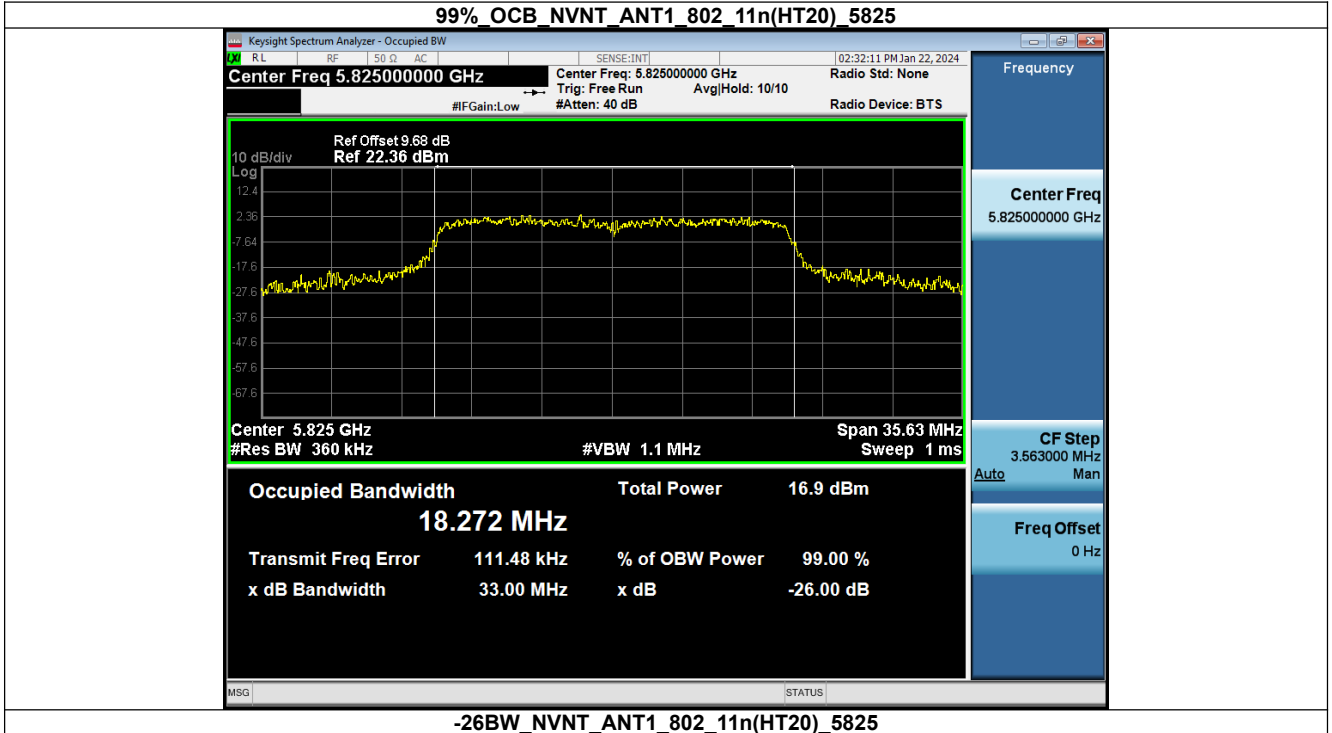


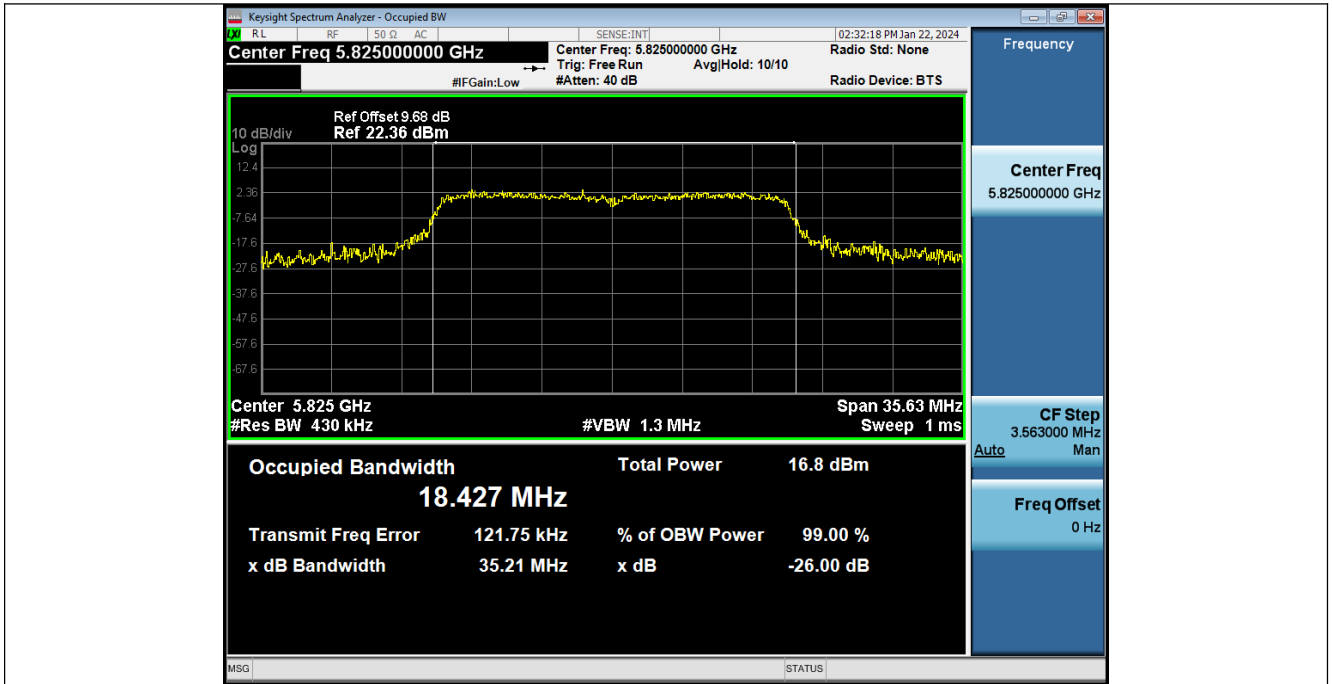
99%_OCB_NVNT_ANT1_802_11n(HT20)_5785



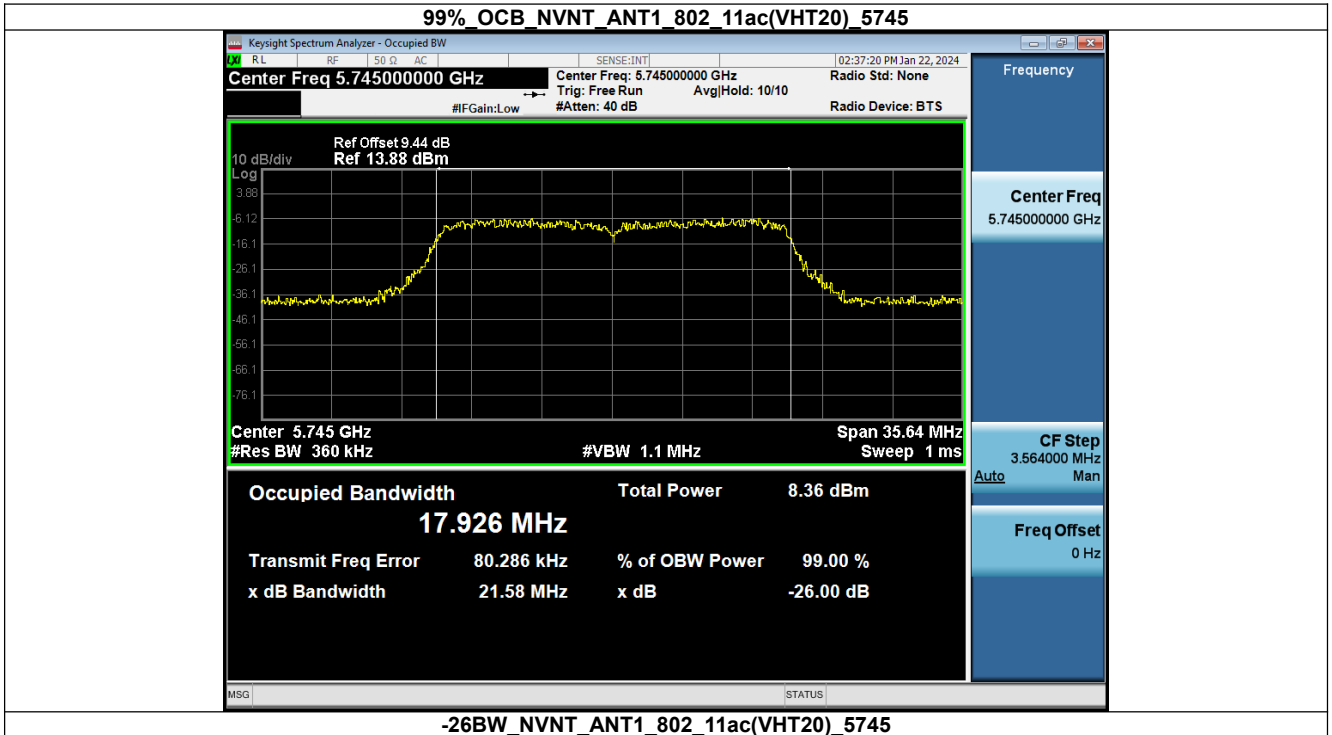


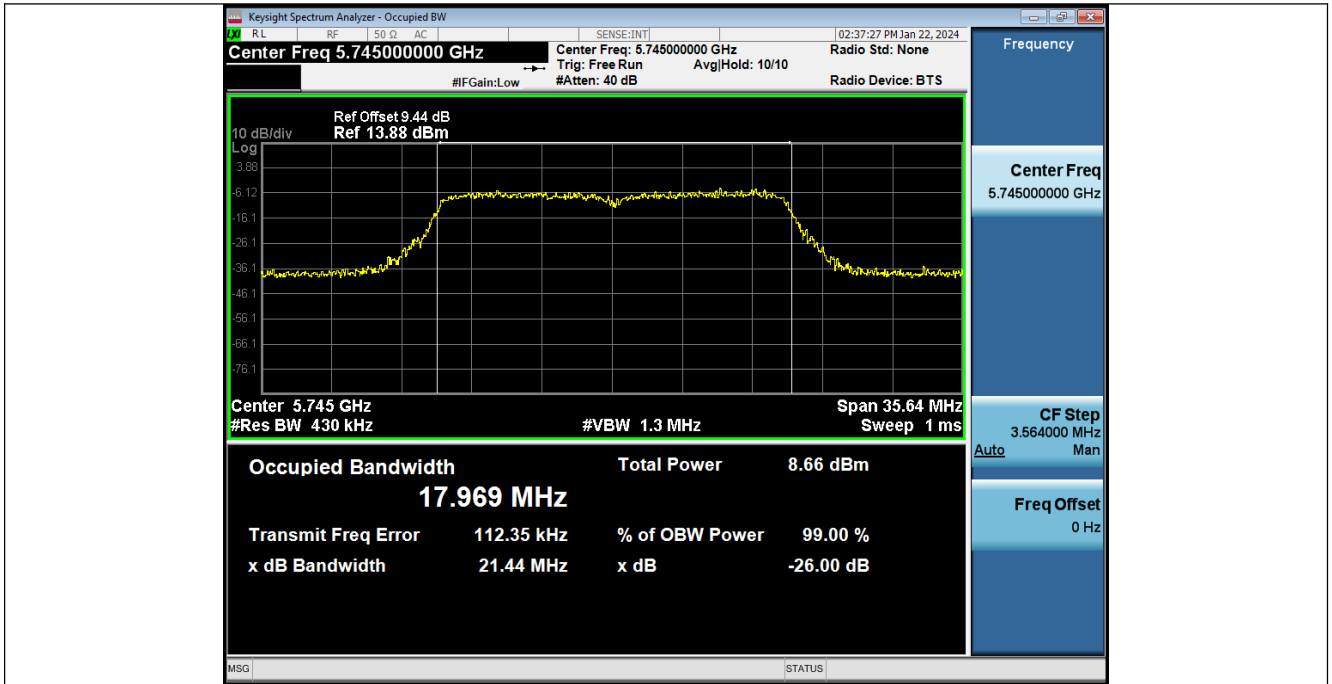
99%_OCB_NVNT_ANT1_802_11n(HT20)_5825



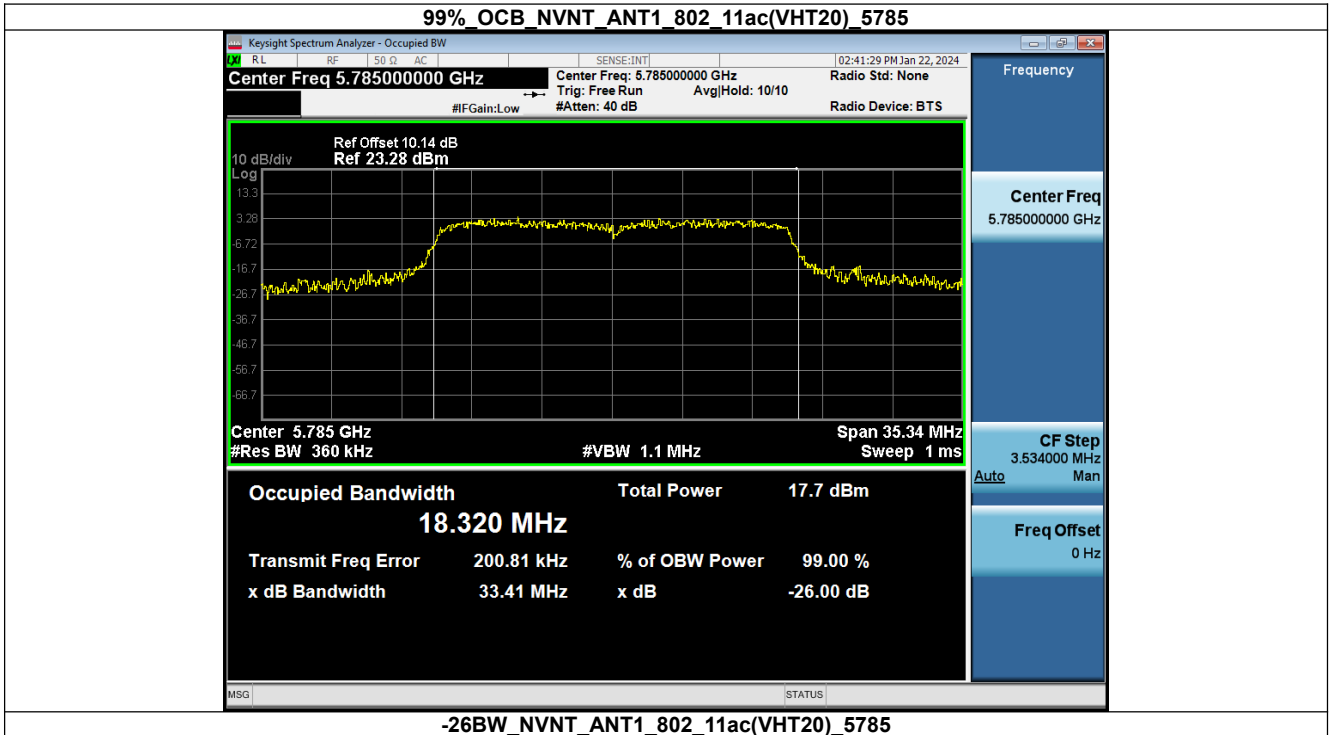


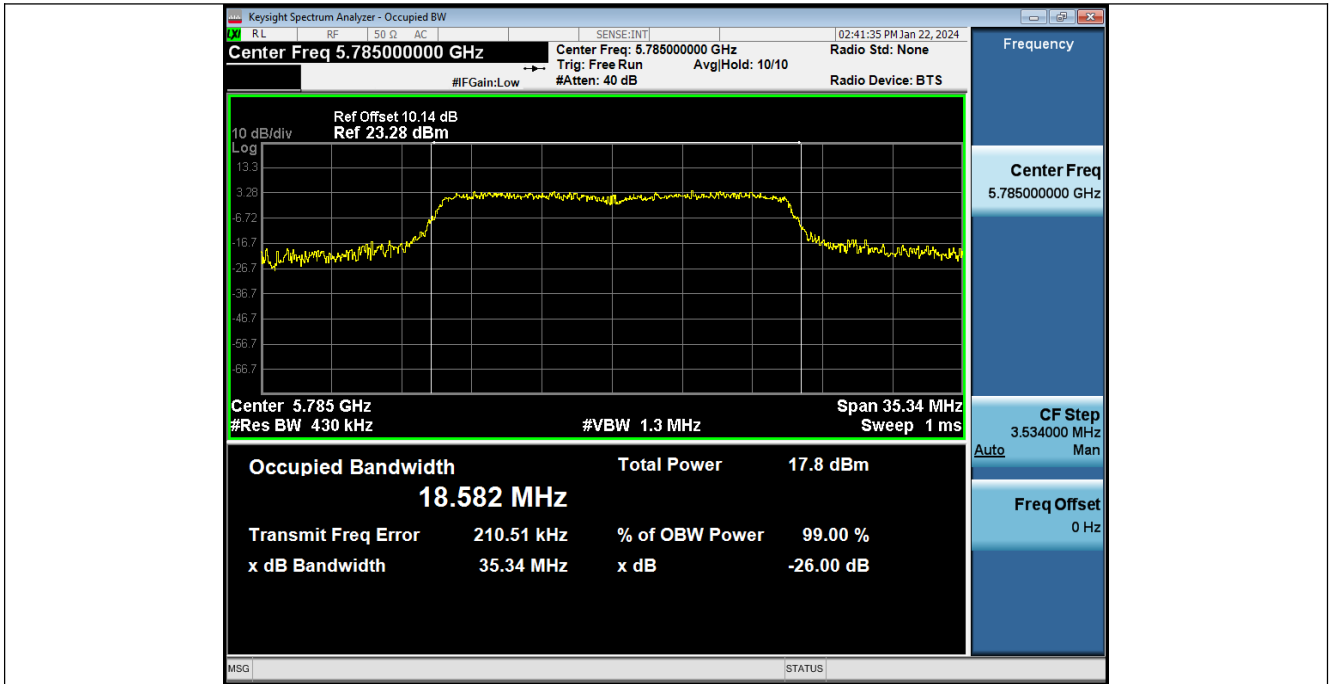
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5745



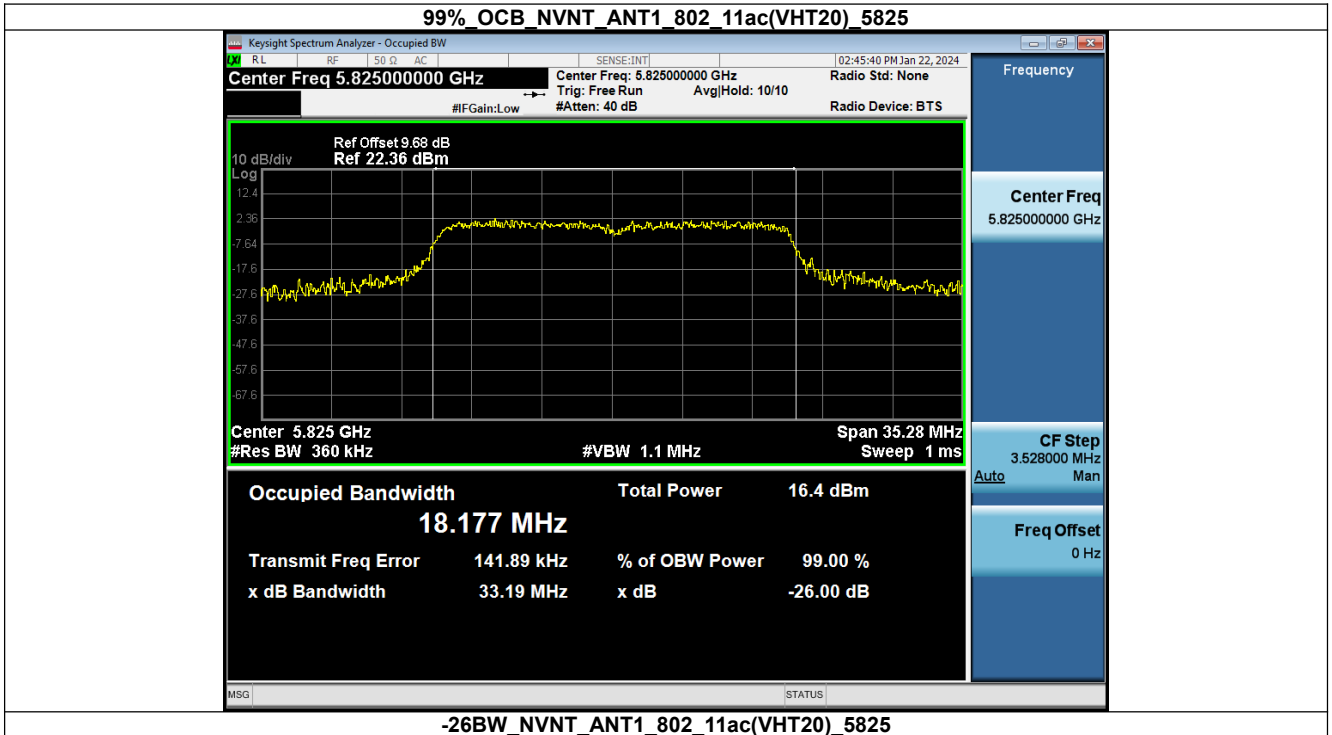


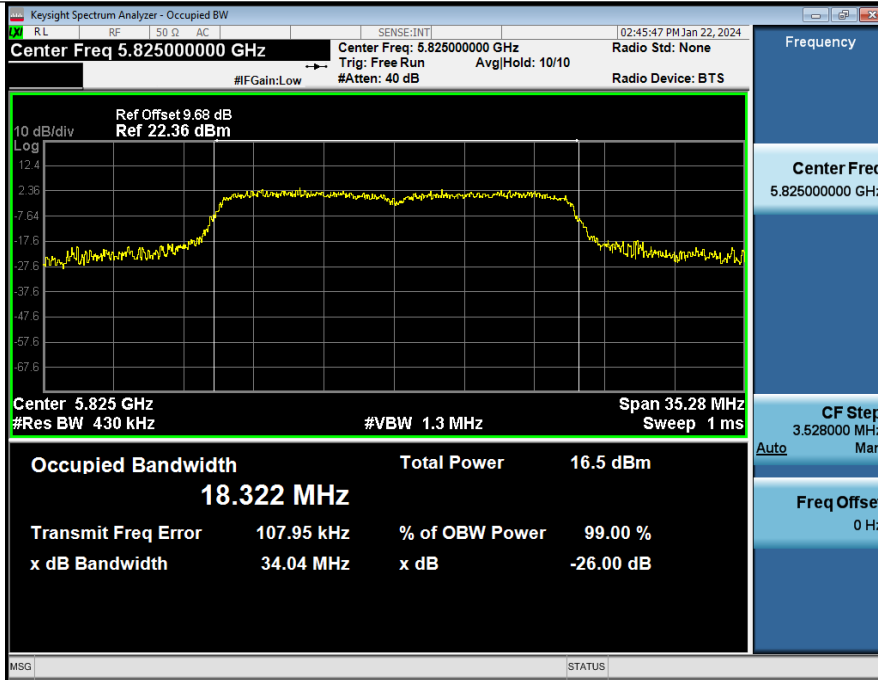
99% OCB_NVNT_ANT1_802_11ac(VHT20)_5785



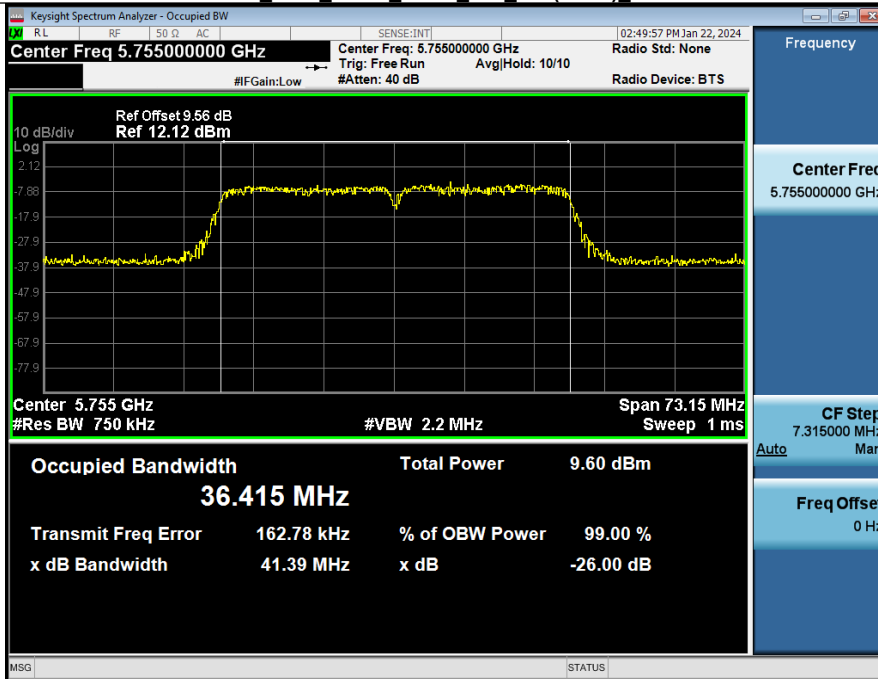


99% OCB_NVNT_ANT1_802_11ac(VHT20)_5825

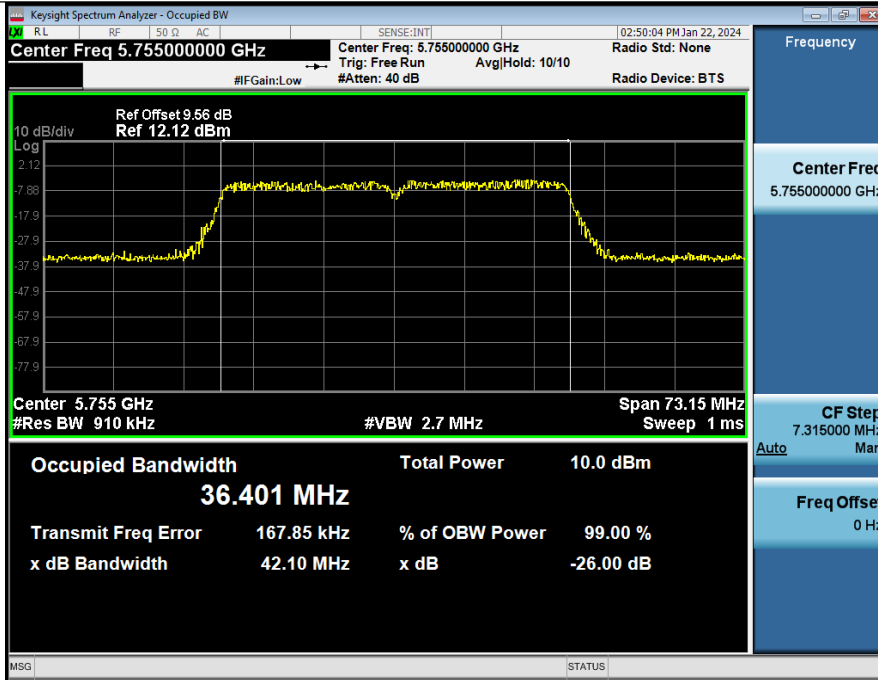




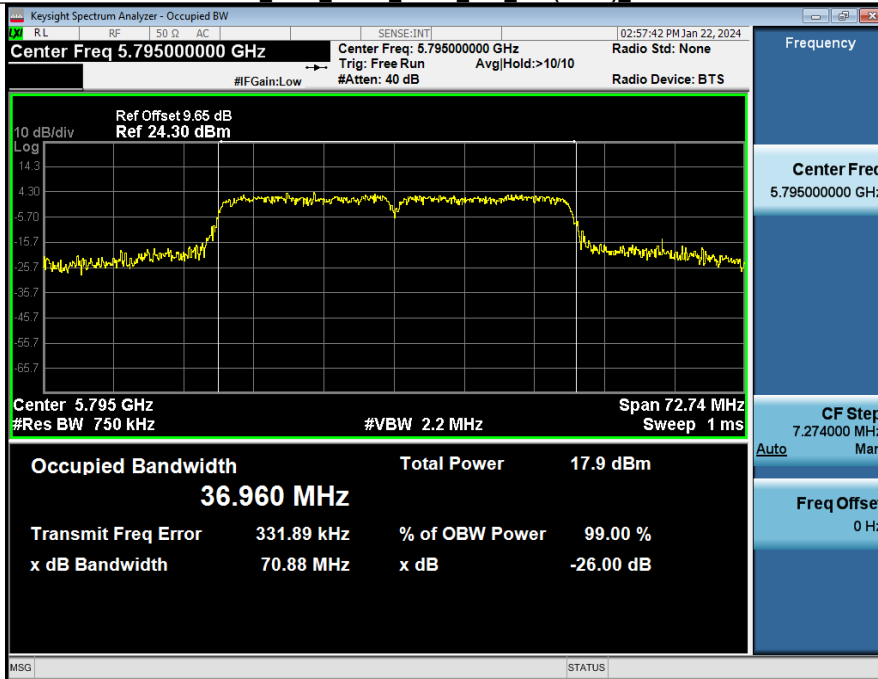
99%_OCB_NVNT_ANT1_802_11n(HT40)_5755



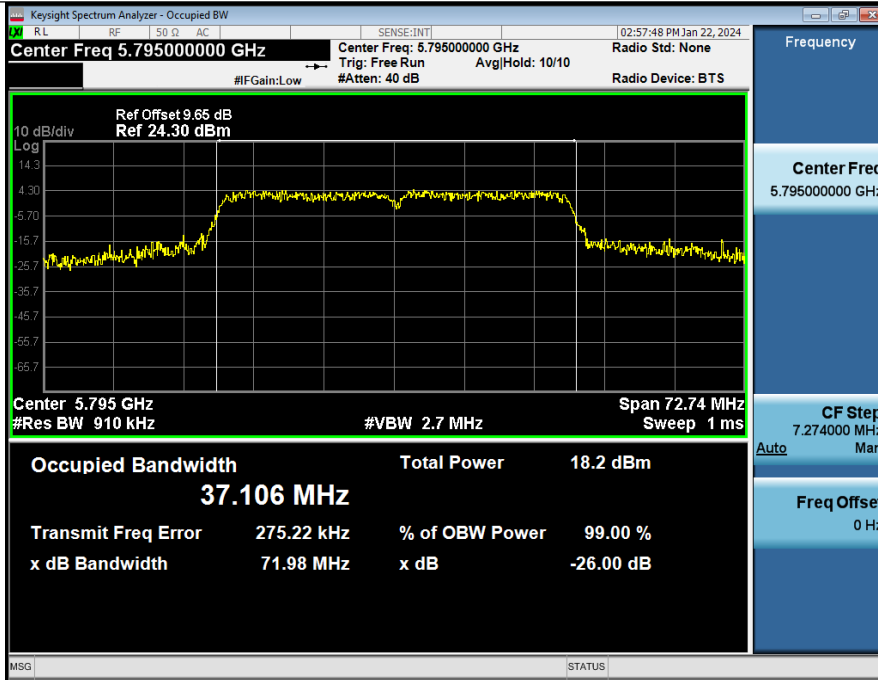
-26BW_NVNT_ANT1_802_11n(HT40)_5755



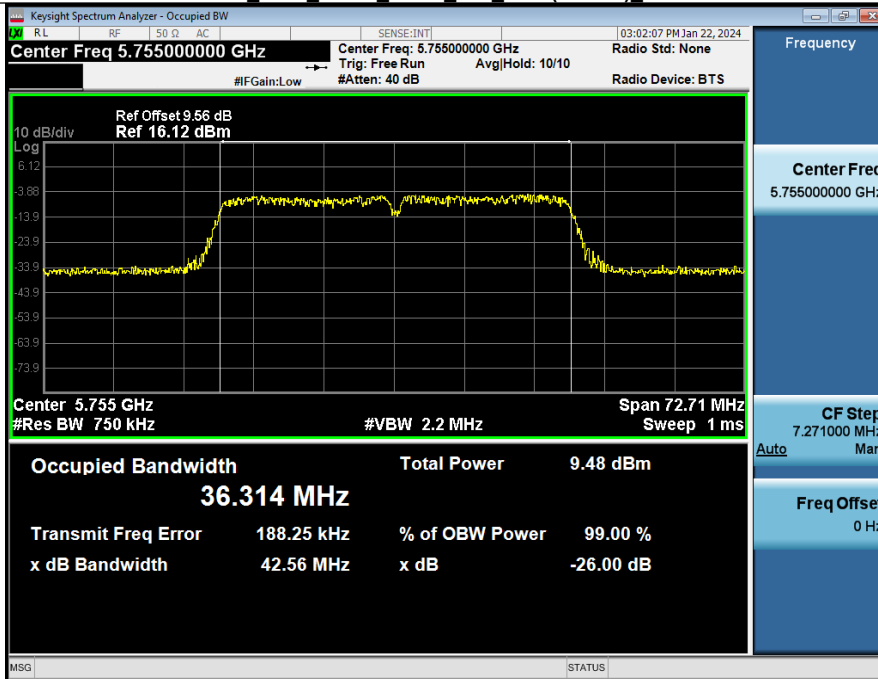
99%_OCB_NVNT_ANT1_802_11n(HT40)_5795



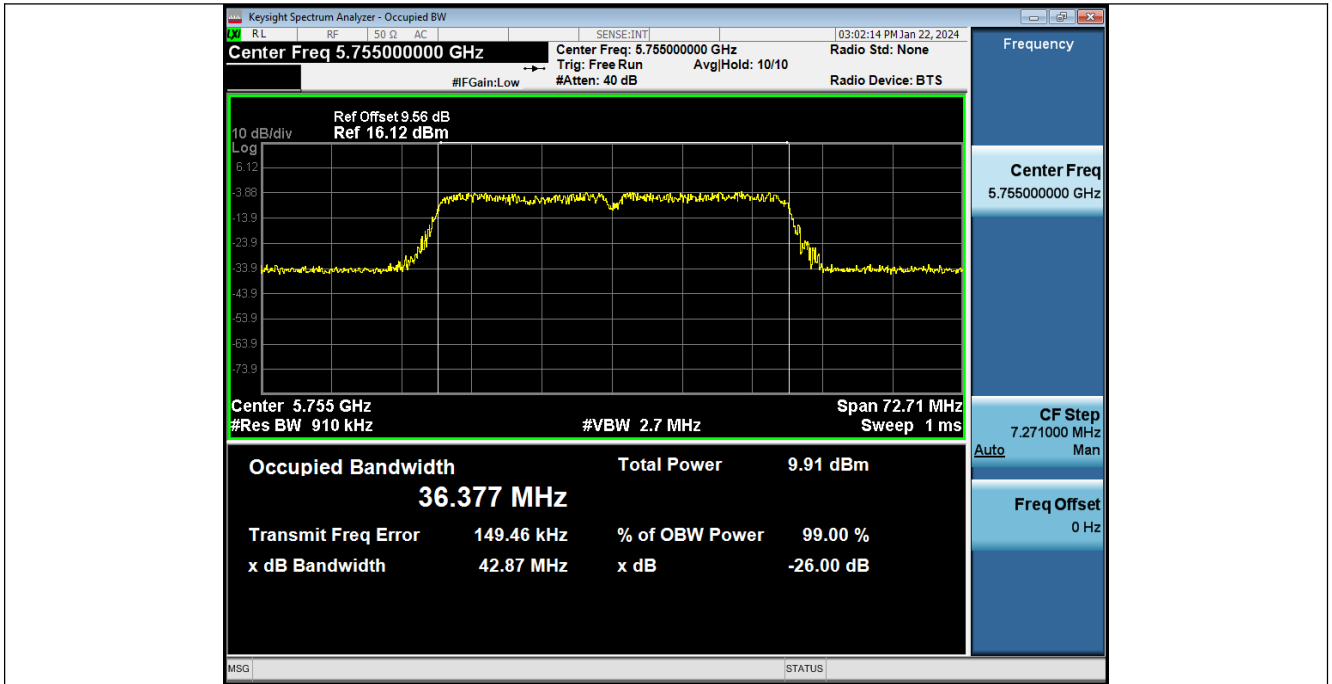
-26BW_NVNT_ANT1_802_11n(HT40)_5795



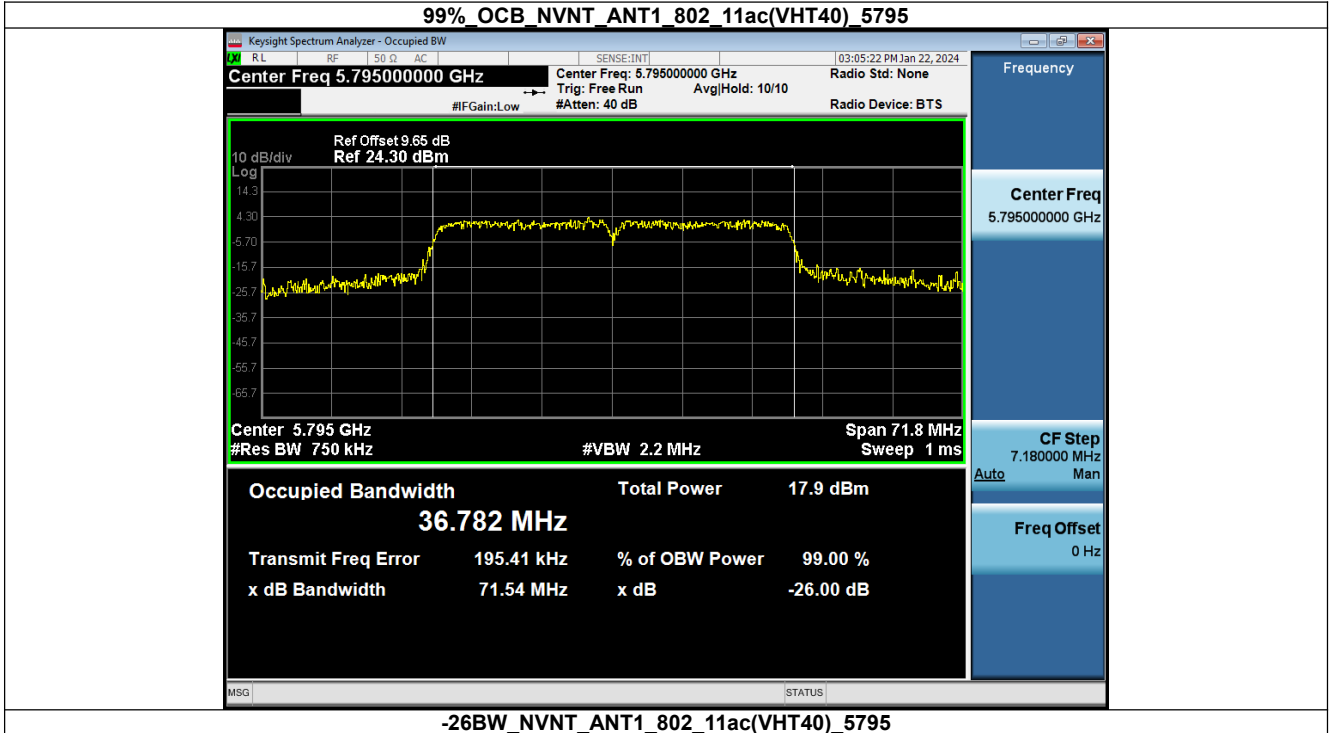
99% OCB_NVNT_ANT1_802_11ac(VHT40)_5755

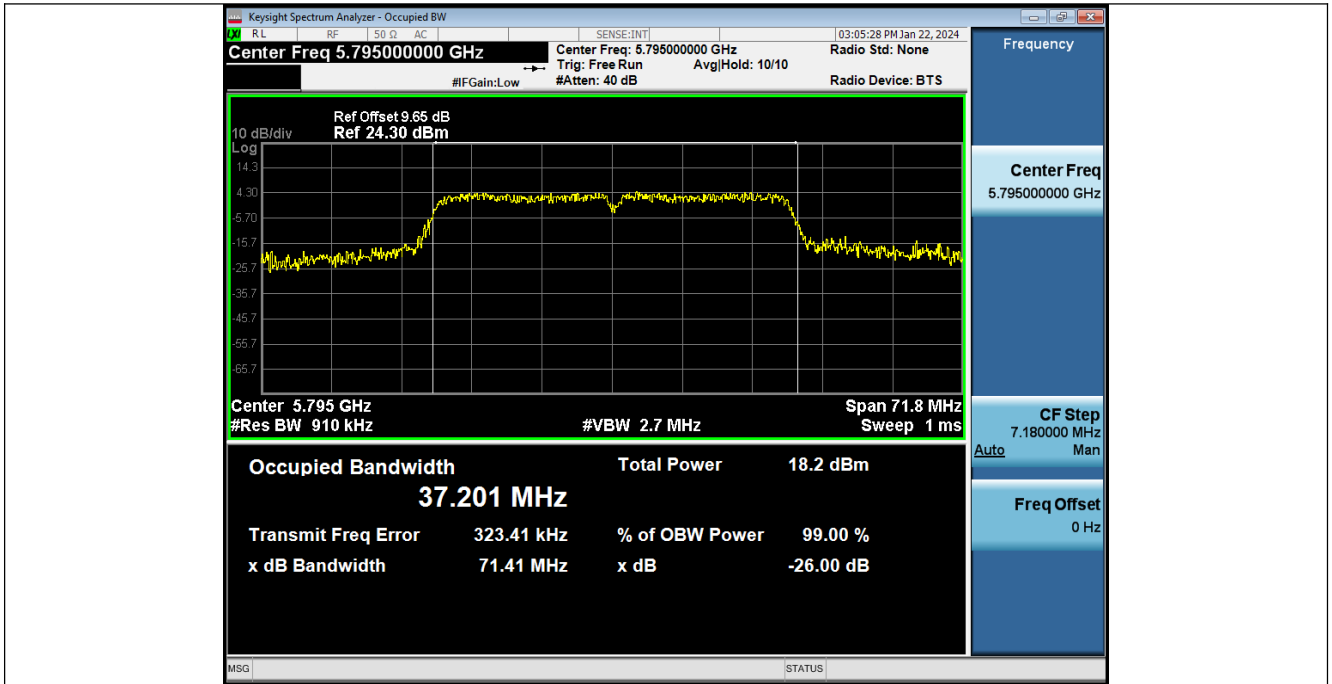


-26BW_NVNT_ANT1_802_11ac(VHT40)_5755

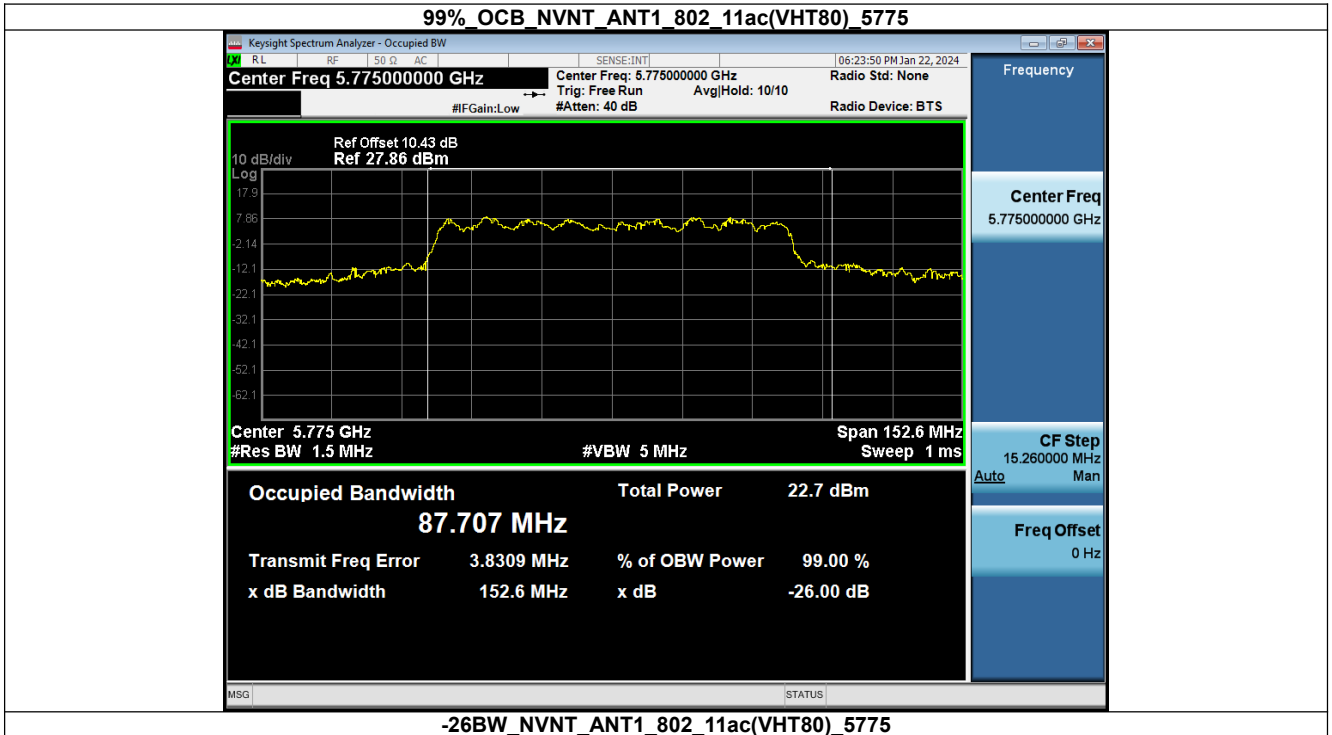


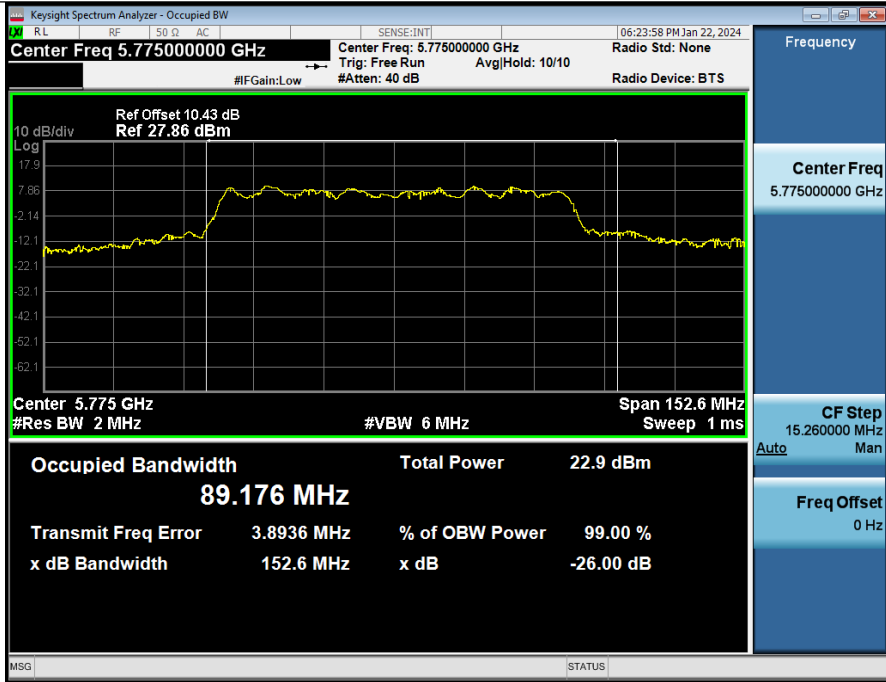
99% OCB_NVNT_ANT1_802_11ac(VHT40)_5795





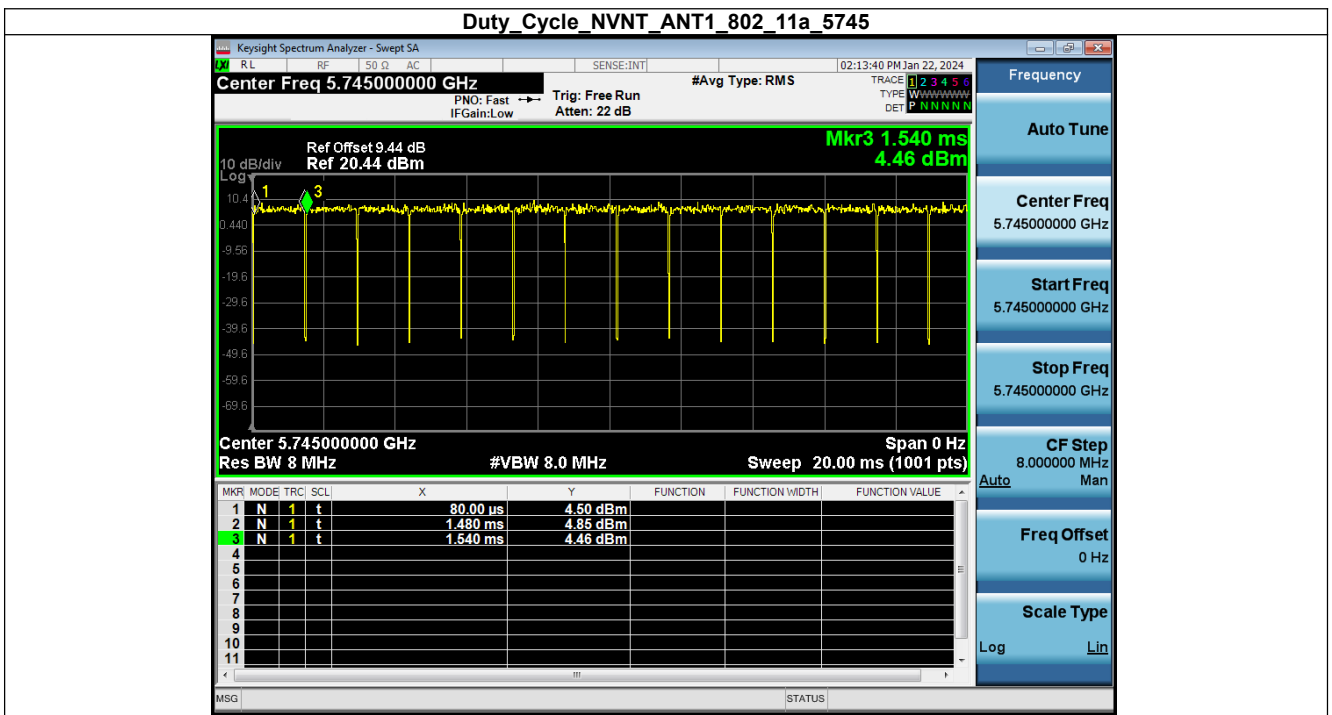
99% OCB_NVNT_ANT1_802_11ac(VHT80)_5775



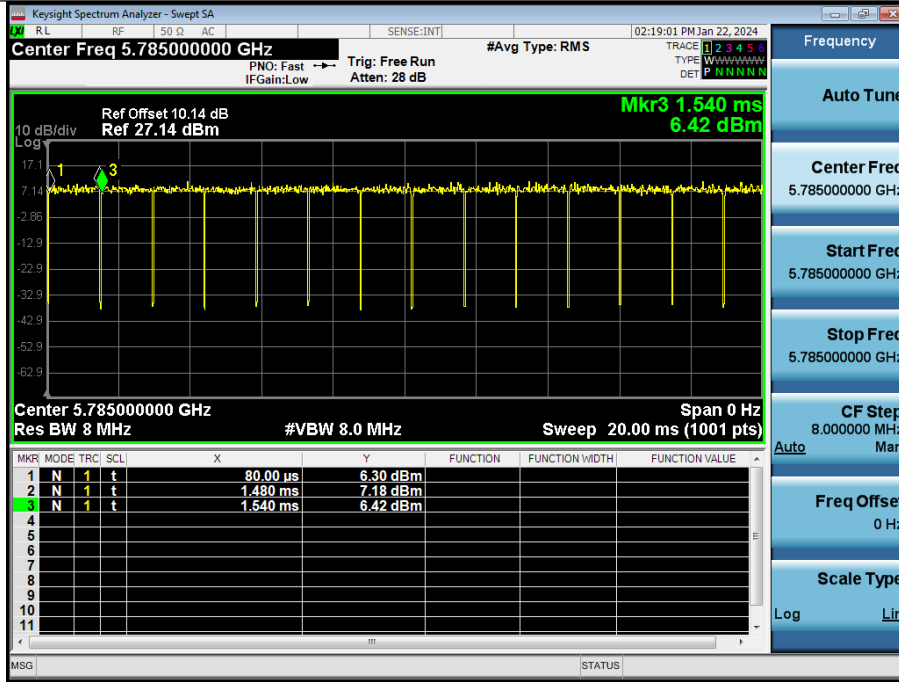


3. Duty Cycle

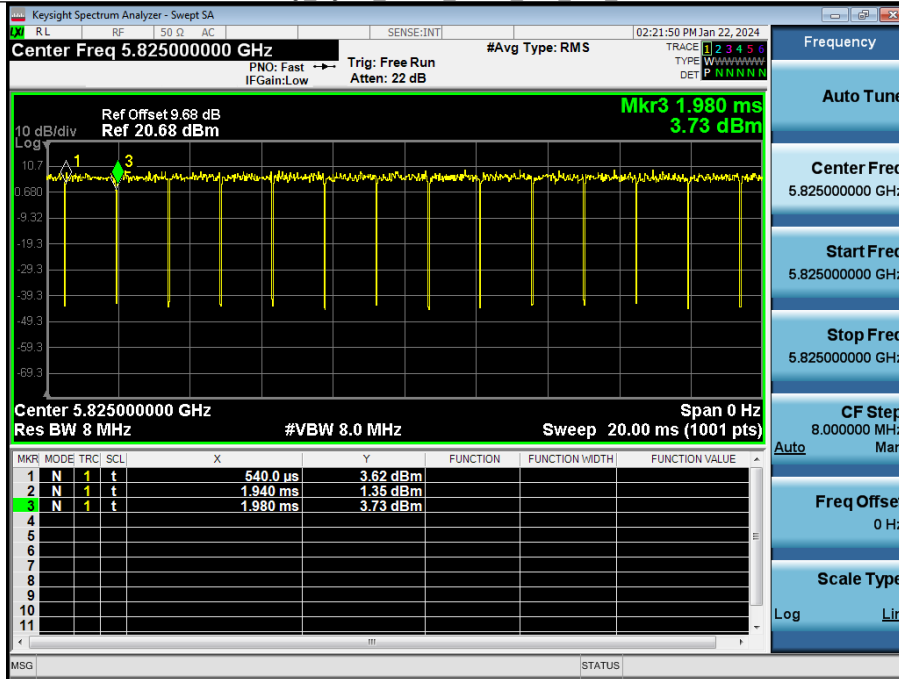
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	95.89	0.18
NVNT	ANT1	802.11a	5785.00	95.89	0.18
NVNT	ANT1	802.11a	5825.00	97.22	0.12
NVNT	ANT1	802.11n(HT20)	5745.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	5785.00	96.72	0.14
NVNT	ANT1	802.11n(HT20)	5825.00	96.72	0.14
NVNT	ANT1	802.11ac(VHT20)	5745.00	95.24	0.21
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	90.63	0.43
NVNT	ANT1	802.11n(HT40)	5795.00	93.75	0.28
NVNT	ANT1	802.11ac(VHT40)	5755.00	90.91	0.41
NVNT	ANT1	802.11ac(VHT40)	5795.00	90.91	0.41
NVNT	ANT1	802.11ac(VHT80)	5775.00	83.33	0.79



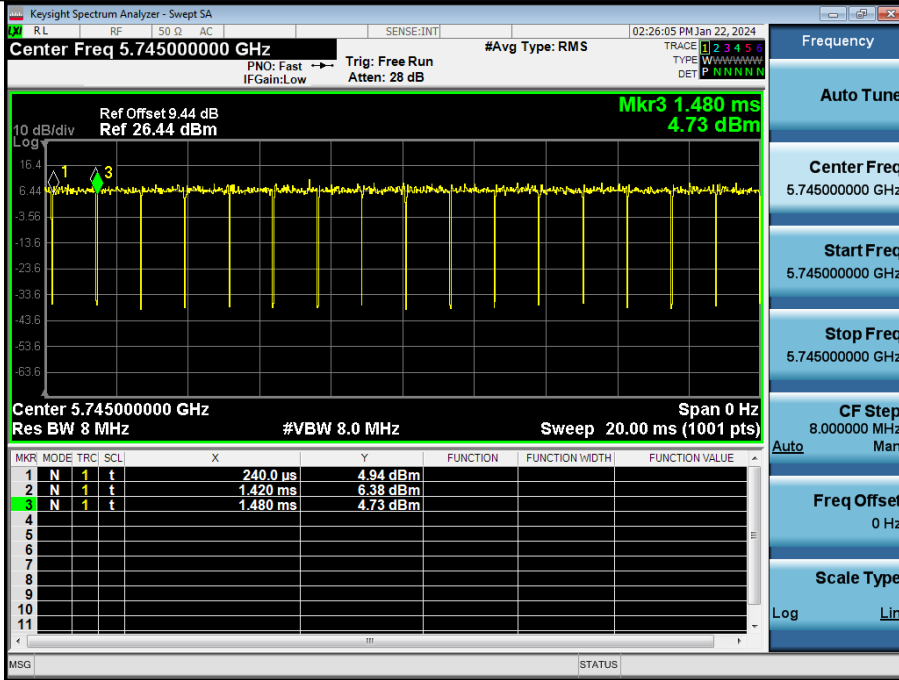
Duty Cycle NVNT_ANT1_802_11a_5785



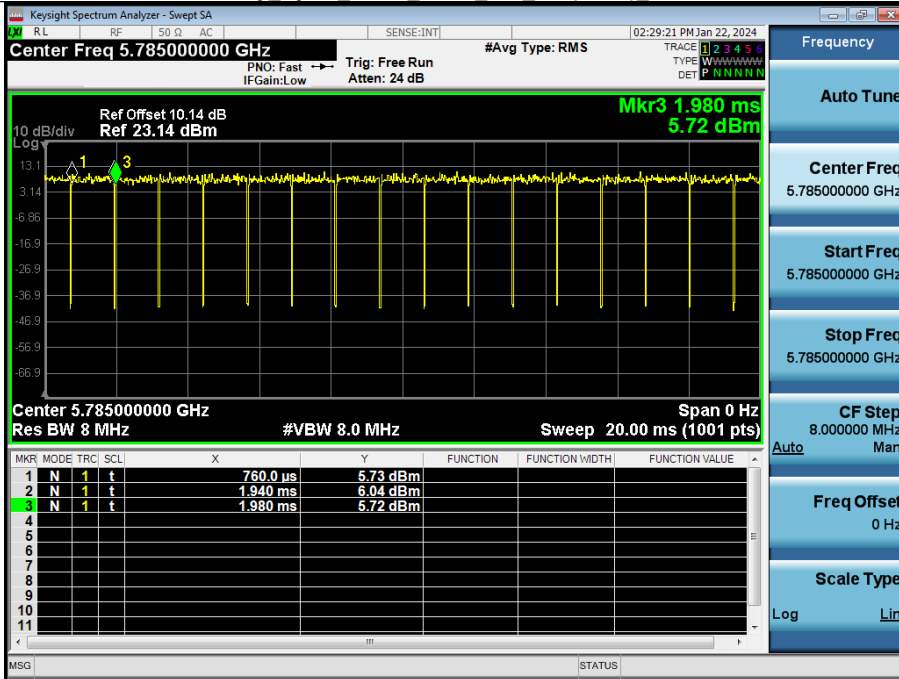
Duty Cycle NVNT_ANT1_802_11a_5825



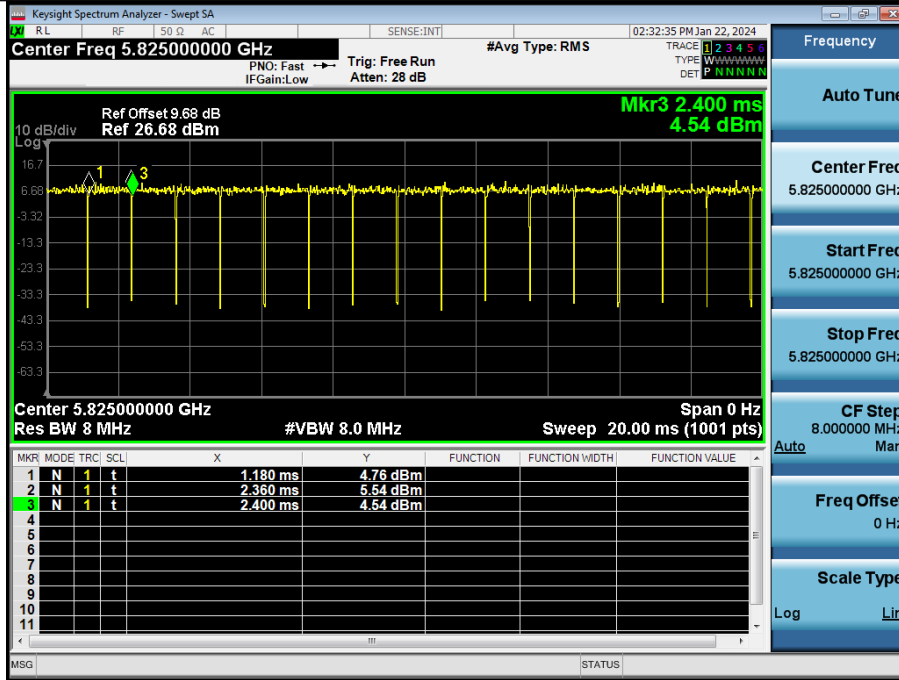
Duty Cycle NVNT_ANT1_802_11n(HT20)_5745



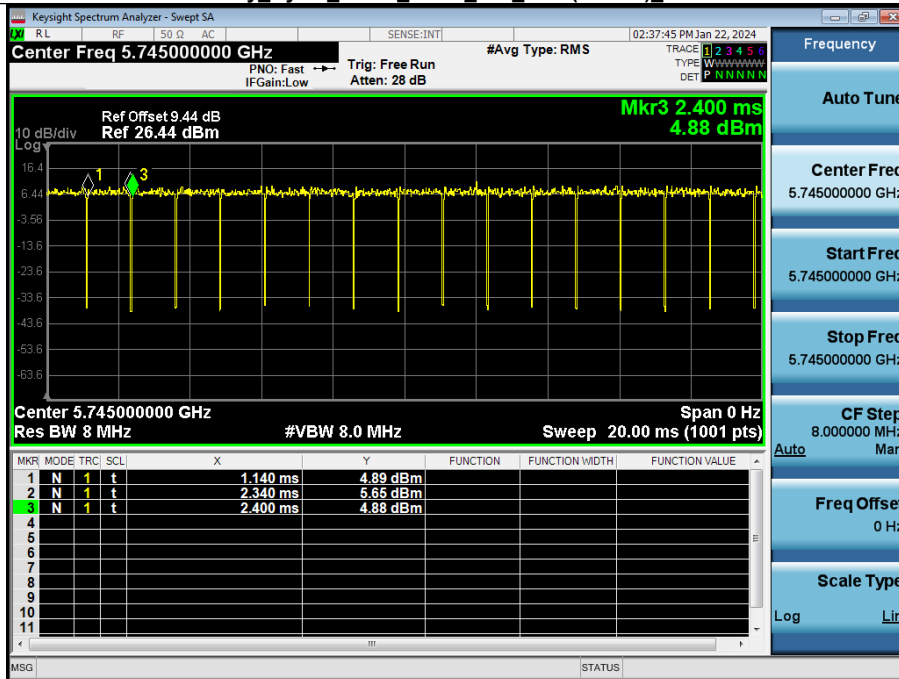
Duty Cycle NVNT_ANT1_802_11n(HT20)_5785



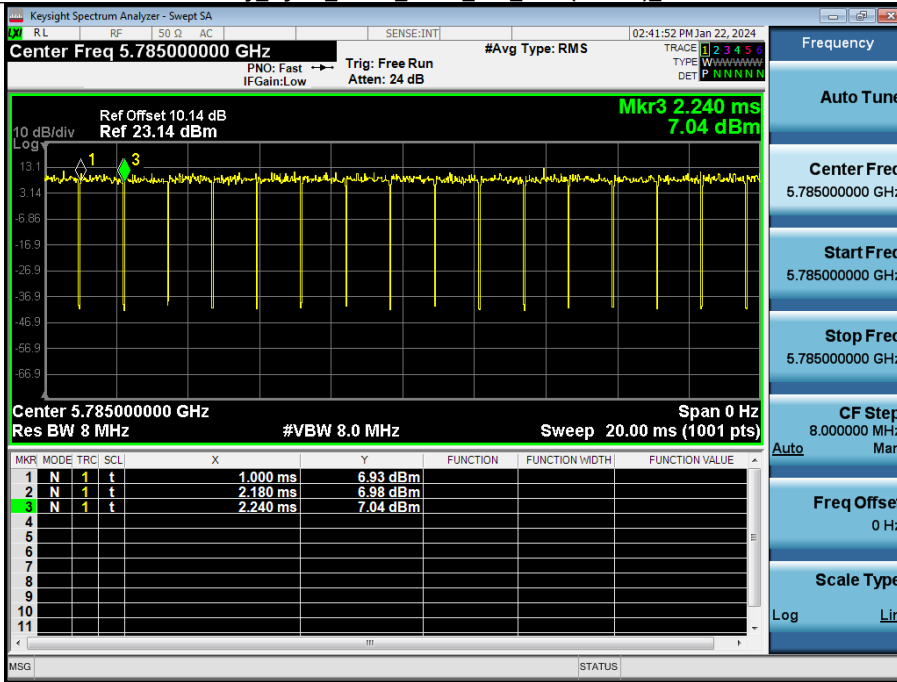
Duty Cycle NVNT_ANT1_802_11n(HT20)_5825



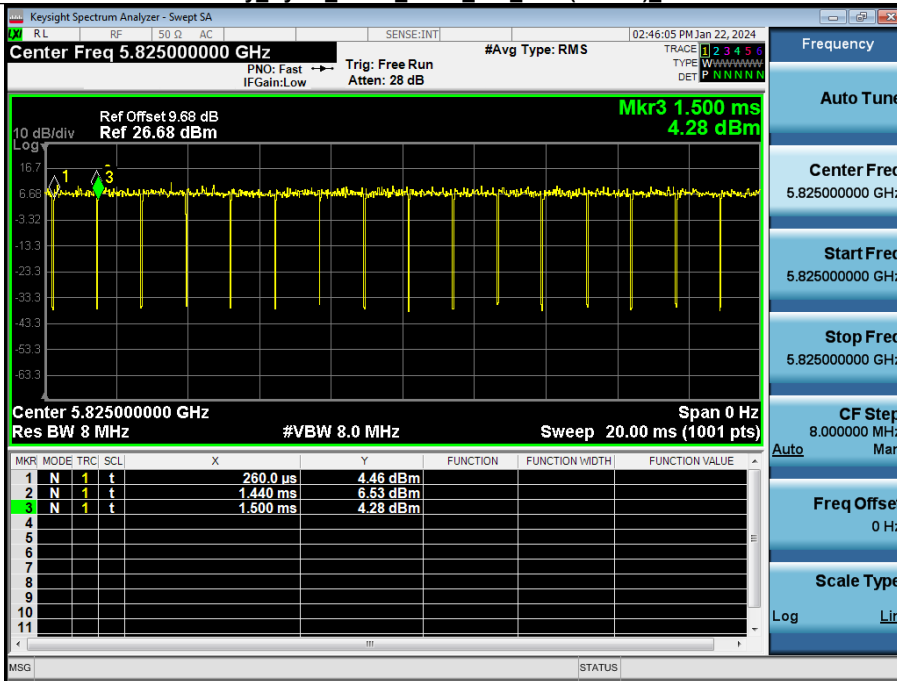
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5745



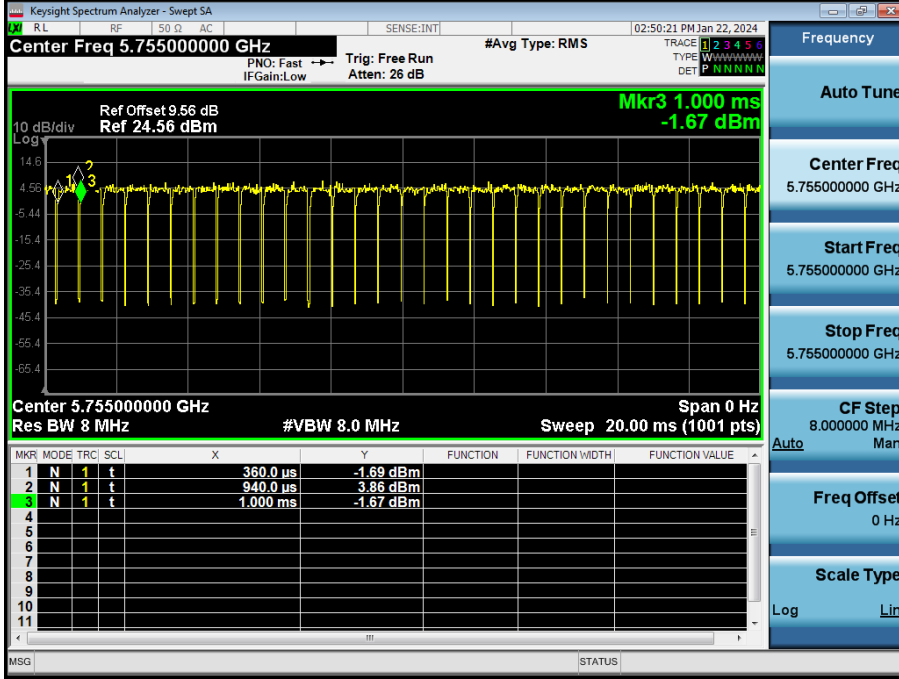
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5785



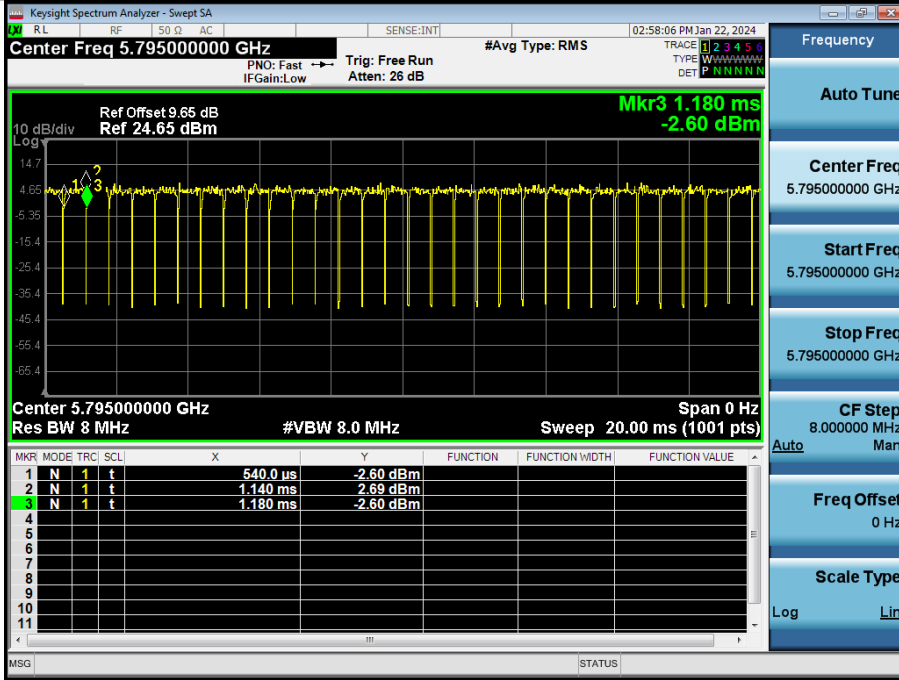
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5825



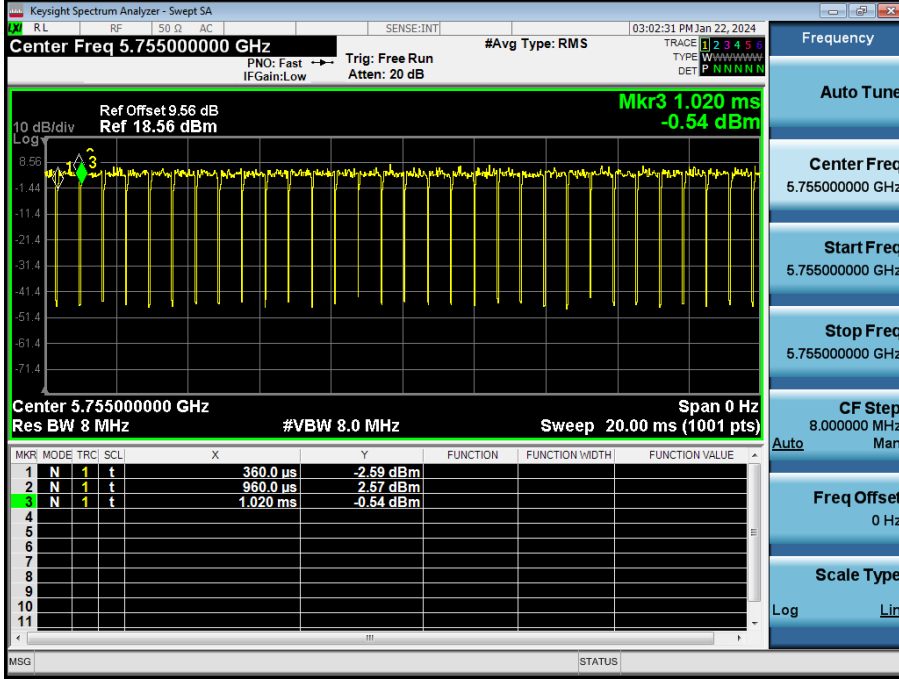
Duty Cycle_NVNT_ANT1_802_11n(HT40)_5755



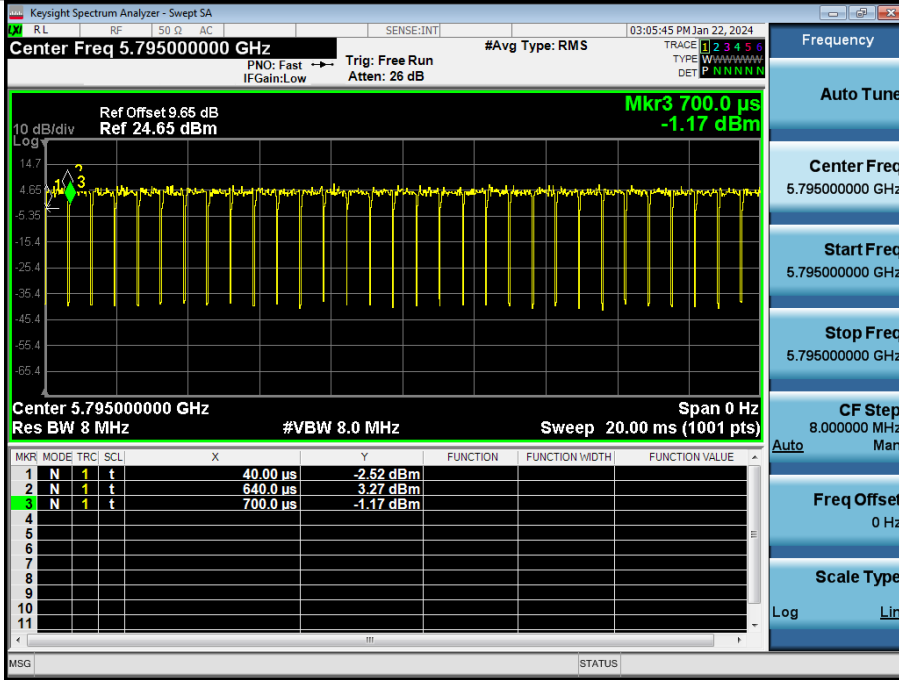
Duty Cycle_NVNT_ANT1_802_11n(HT40)_5795



Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5755

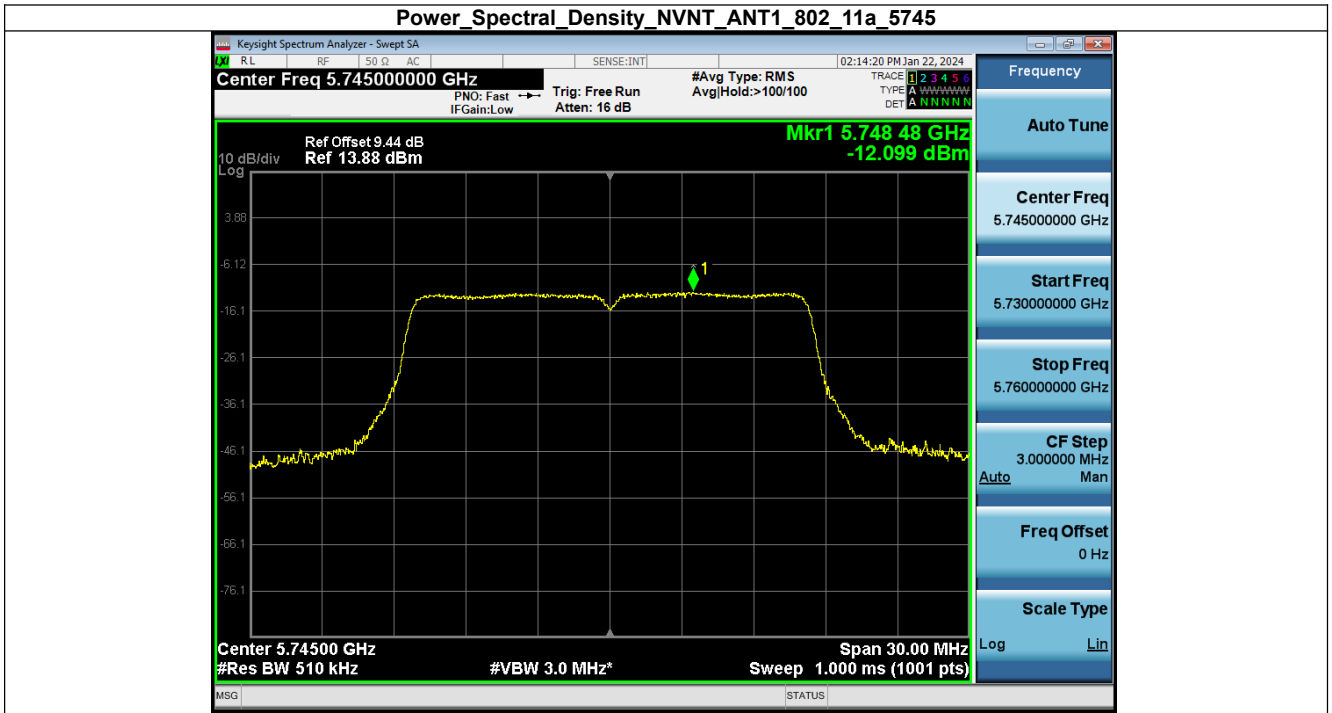


Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5795

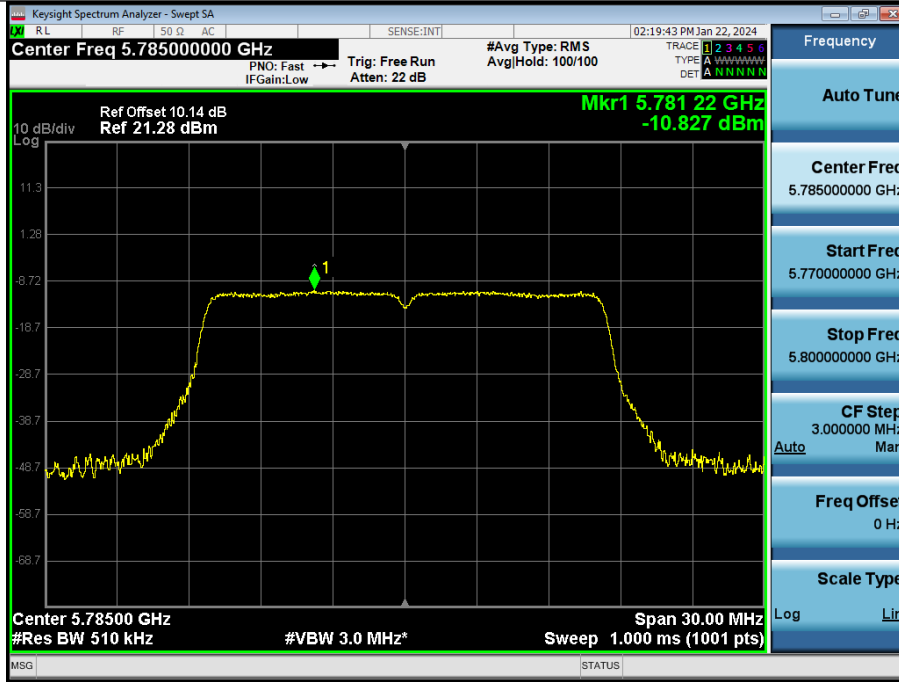


5. Power Spectral Density

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	-12.10	0.18	-0	-12.01	30	Pass
NVNT	ANT1	802.11a	5785.00	-10.83	0.18	-0	-10.73	30	Pass
NVNT	ANT1	802.11a	5825.00	-12.18	0.12	-0	-12.15	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-11.28	0.22	-0	-11.15	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-10.58	0.14	-0	-10.52	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-11.68	0.14	-0	-11.62	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-11.33	0.21	-0	-11.21	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-10.11	0.22	-0	-9.98	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-11.41	0.22	-0	-11.28	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-14.33	0.43	-0	-13.99	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-14.32	0.28	-0	-14.13	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-14.43	0.41	-0	-14.10	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-14.56	0.41	-0	-14.24	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-17.65	0.79	-0	-16.94	30	Pass



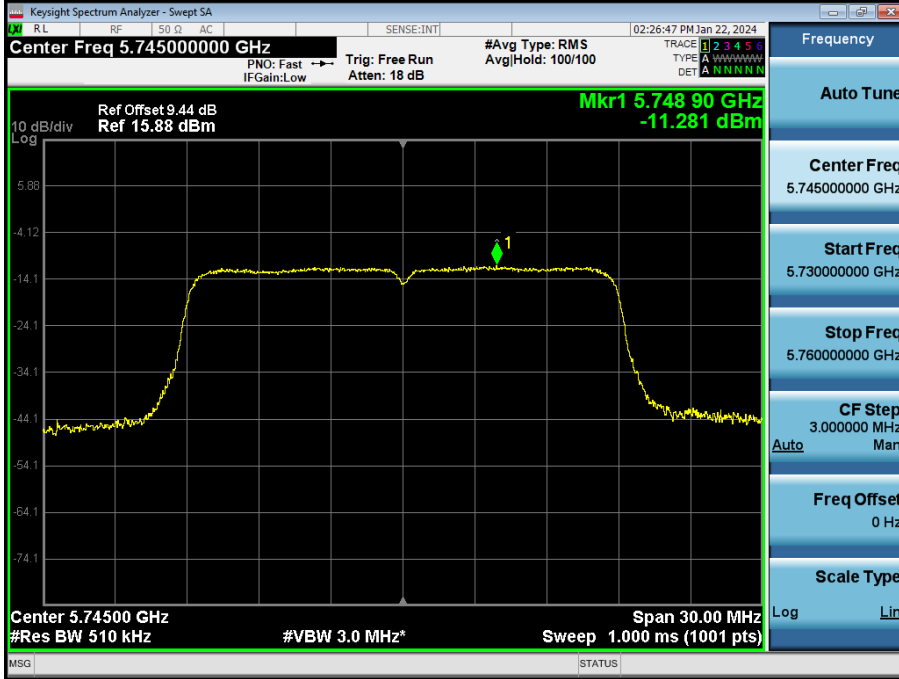
Power Spectral Density_NVNT_ANT1_802_11a_5785



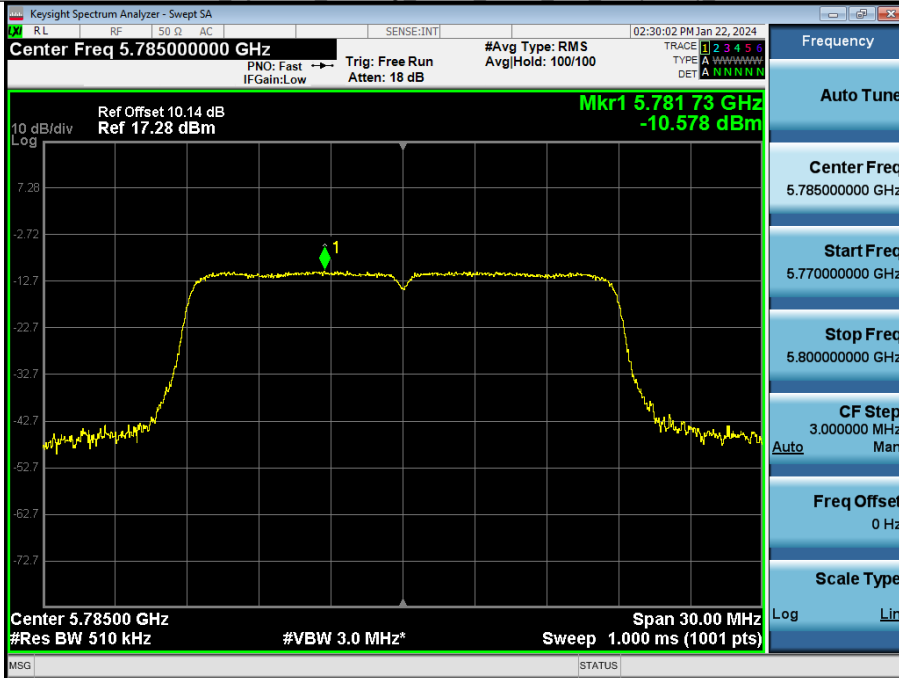
Power Spectral Density_NVNT_ANT1_802_11a_5825



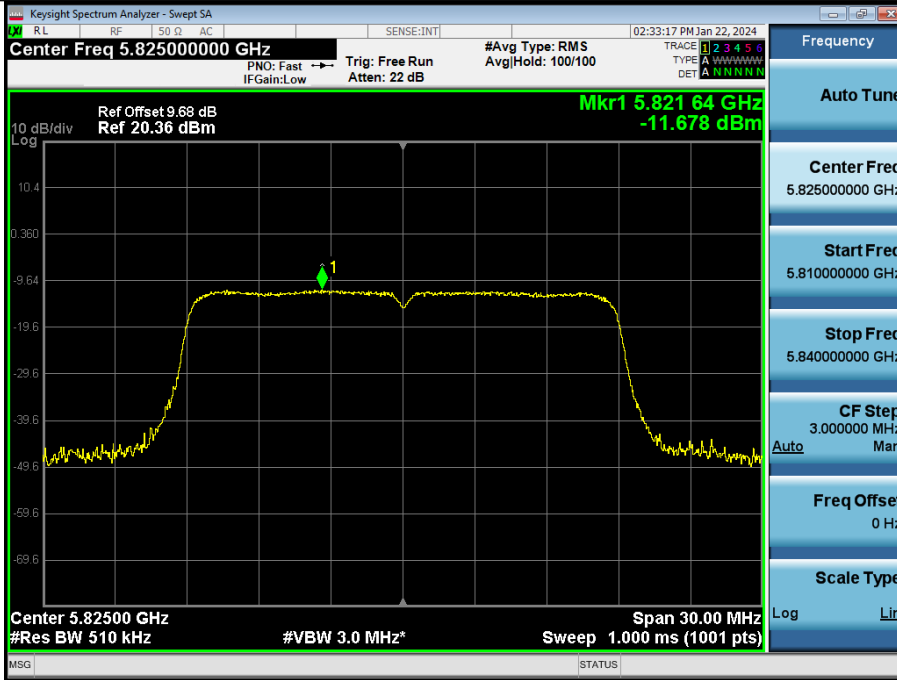
Power Spectral Density NVNT ANT1_802_11n(HT20)_5745



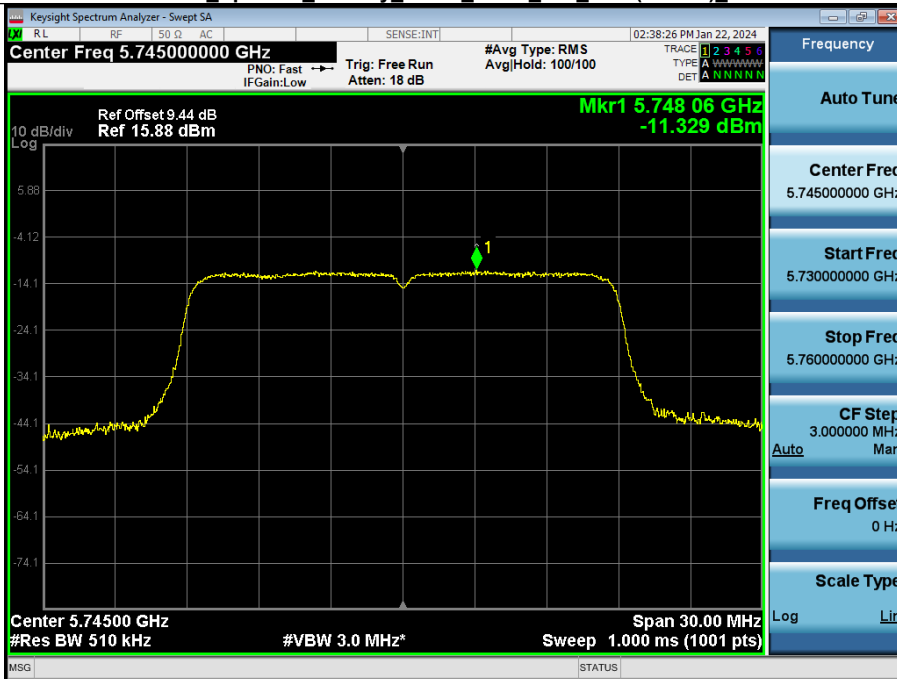
Power Spectral Density NVNT ANT1_802_11n(HT20)_5785



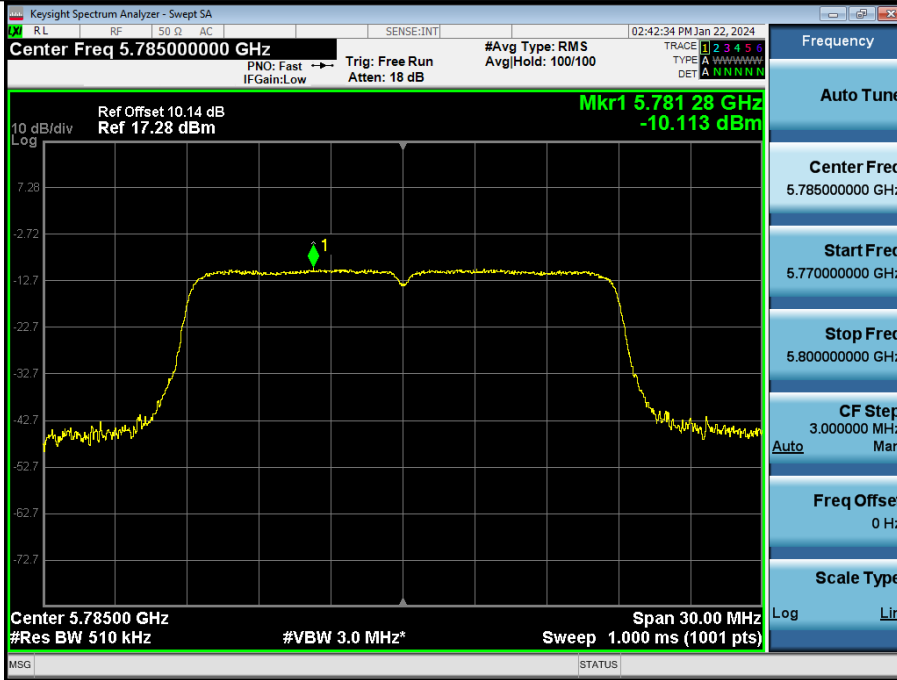
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5825



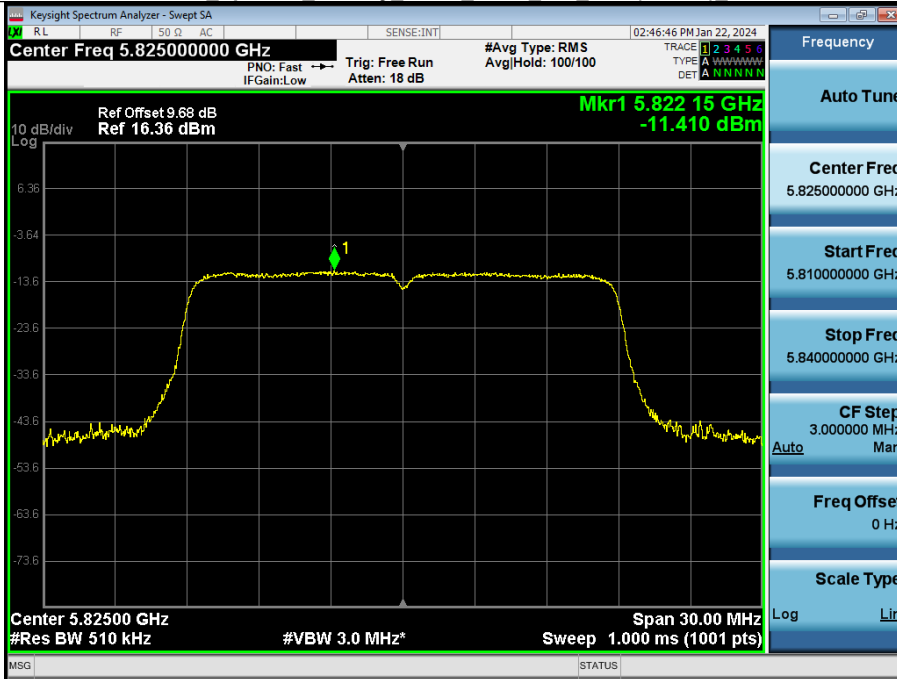
Power Spectral Density_NVNT_ANT1_802_11ac(VHT20)_5745



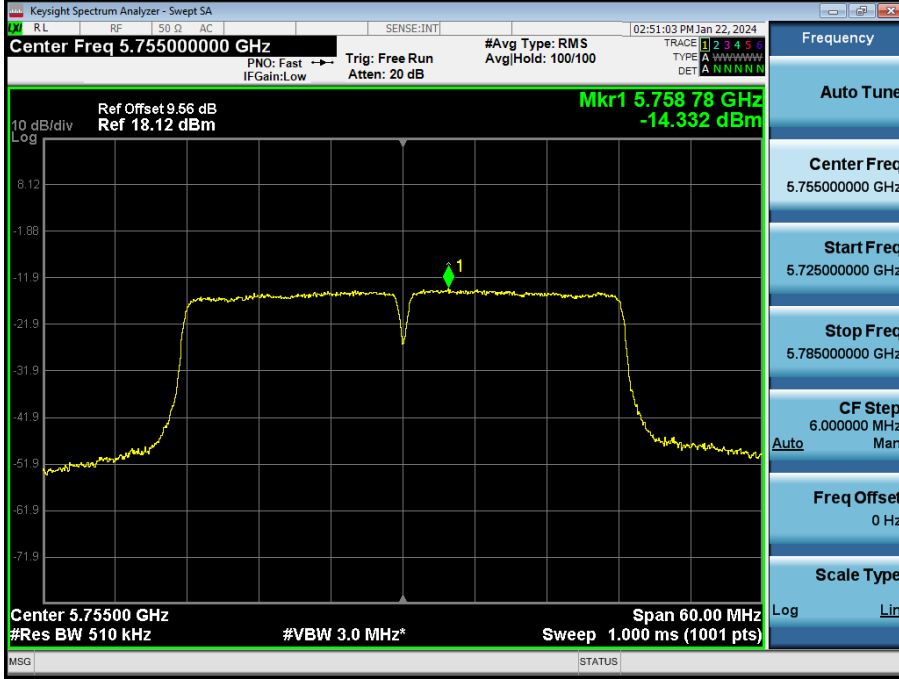
Power Spectral Density_NVNT_ANT1_802_11ac(VHT20)_5785



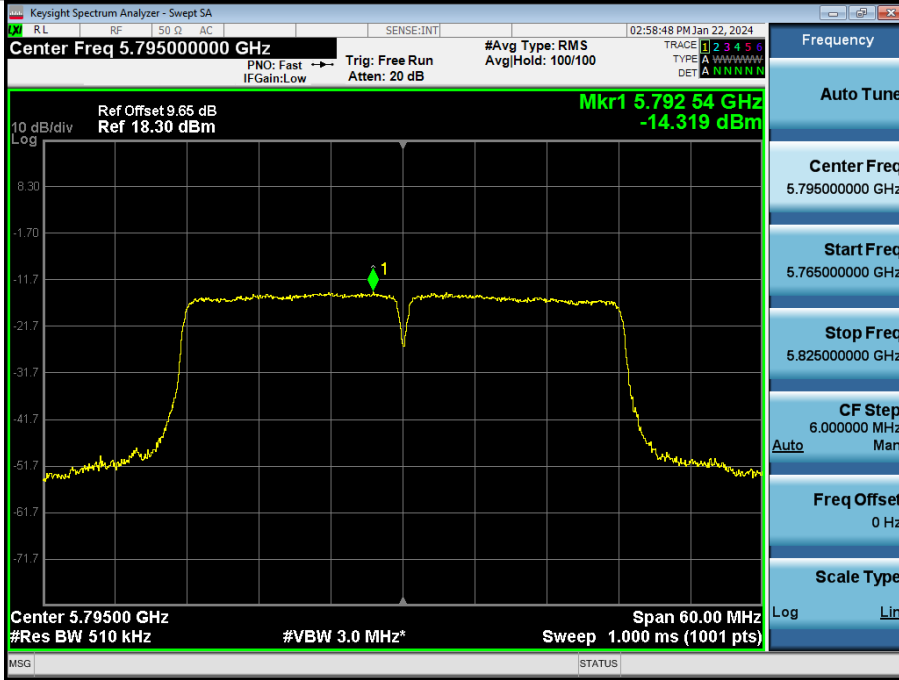
Power Spectral Density_NVNT_ANT1_802_11ac(VHT20)_5825



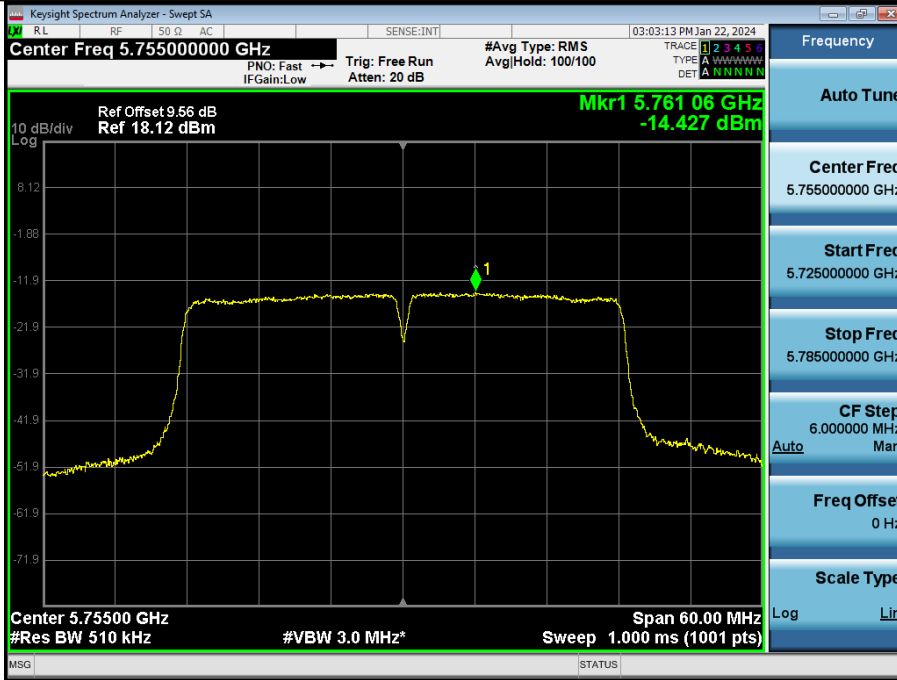
Power Spectral Density NVNT_ANT1_802_11n(HT40)_5755



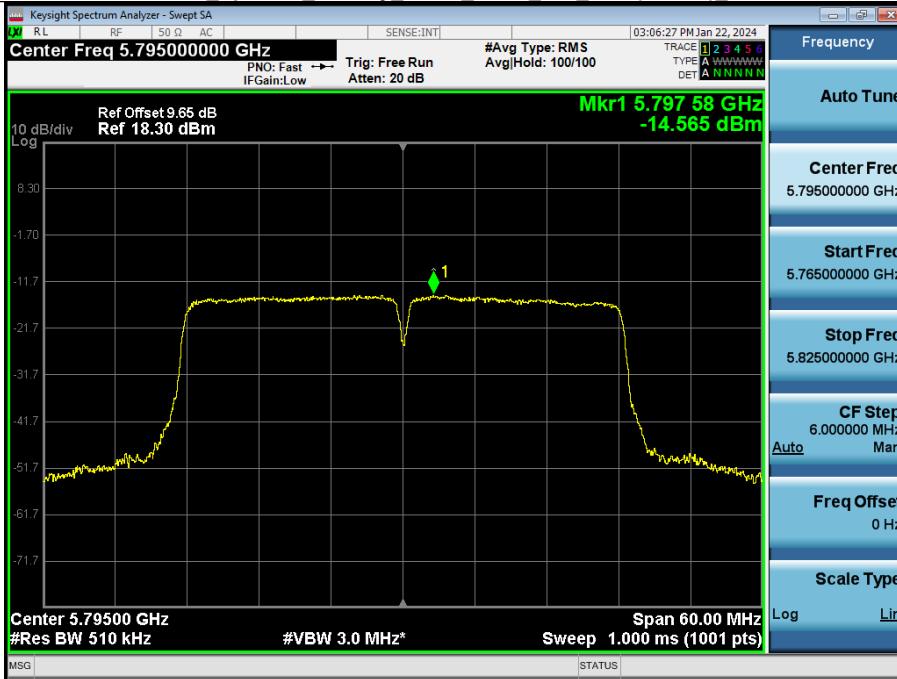
Power Spectral Density NVNT_ANT1_802_11n(HT40)_5795



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

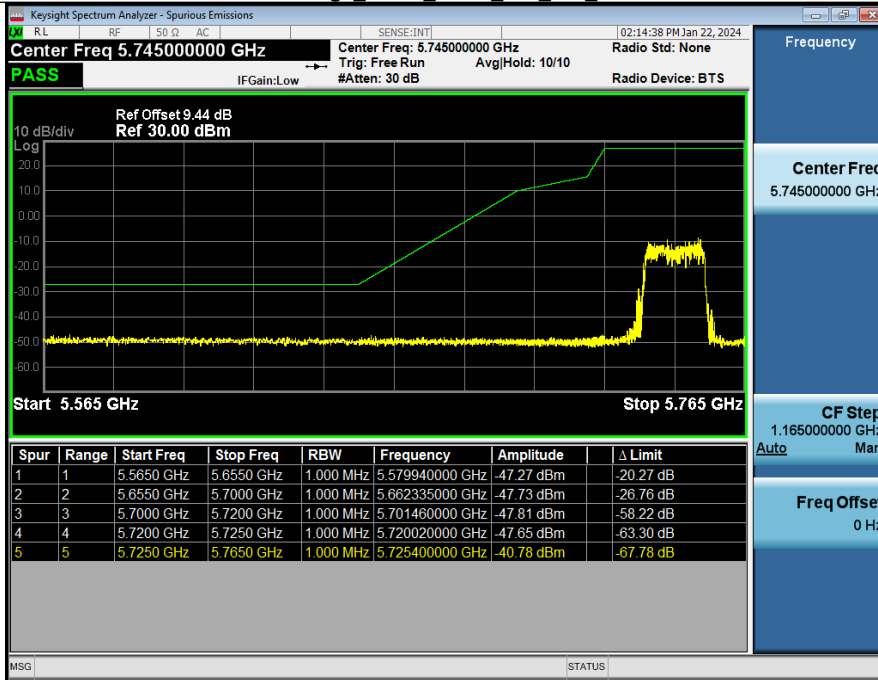


6. Bandedge

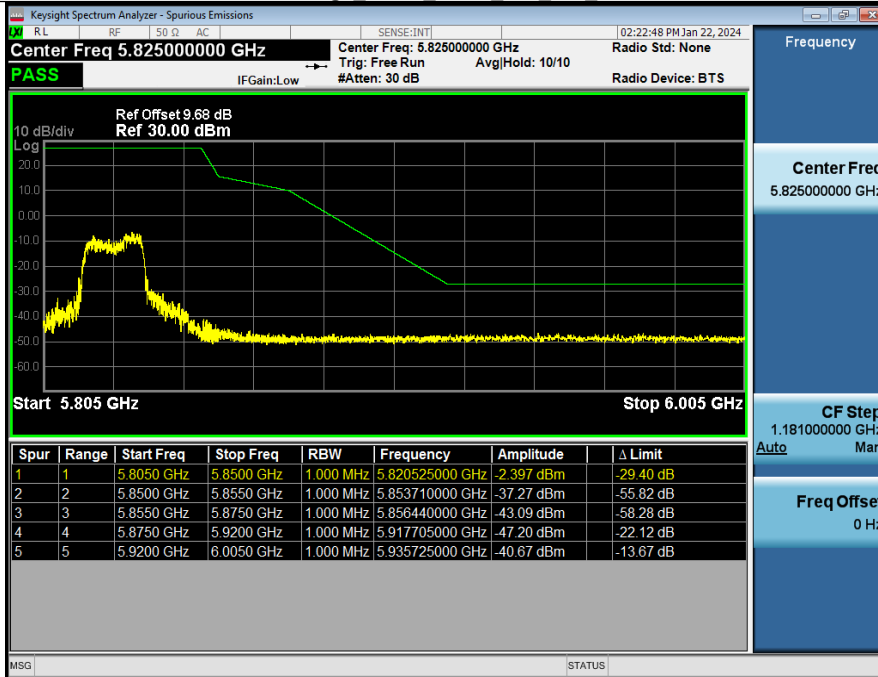
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5579.940	-47.27	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5662.335	-47.73	-20.97	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5701.460	-47.81	10.41	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5720.020	-47.65	15.65	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5853.710	-37.27	18.54	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5856.440	-43.09	15.20	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5917.705	-47.20	-25.11	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5935.725	-40.67	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5593.530	-46.74	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5656.620	-47.79	-25.67	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5702.080	-48.18	10.58	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5720.840	-47.83	17.52	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5850.425	-32.62	26.03	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5870.060	-45.58	11.38	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5919.055	-46.26	-26.22	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5988.935	-42.54	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5613.600	-46.26	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5658.555	-47.83	-24.08	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5701.480	-47.68	10.41	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5720.085	-47.66	15.79	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5852.180	-35.76	22.03	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5871.980	-46.21	10.85	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5918.875	-46.95	-26.07	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	6000.495	-41.80	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5600.220	-46.53	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5655.810	-47.39	-26.33	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5701.320	-48.06	10.37	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5720.495	-47.63	16.73	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5853.675	-41.52	18.62	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5858.560	-43.39	14.60	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5918.740	-46.87	-25.96	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5933.230	-42.57	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5625.180	-47.07	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5659.635	-47.70	-23.19	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5701.100	-47.80	10.31	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5720.335	-47.43	16.36	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.840	-40.44	15.96	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5871.460	-45.36	10.99	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5917.570	-47.26	-25.00	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5925.915	-42.06	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5653.275	-35.89	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5689.290	-26.99	1.19	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5719.240	-21.32	15.39	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5721.720	-21.88	19.52	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5852.730	-24.26	20.78	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5861.800	-23.52	13.70	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5883.055	-33.97	3.38	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5921.705	-34.28	-27.00	Pass

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

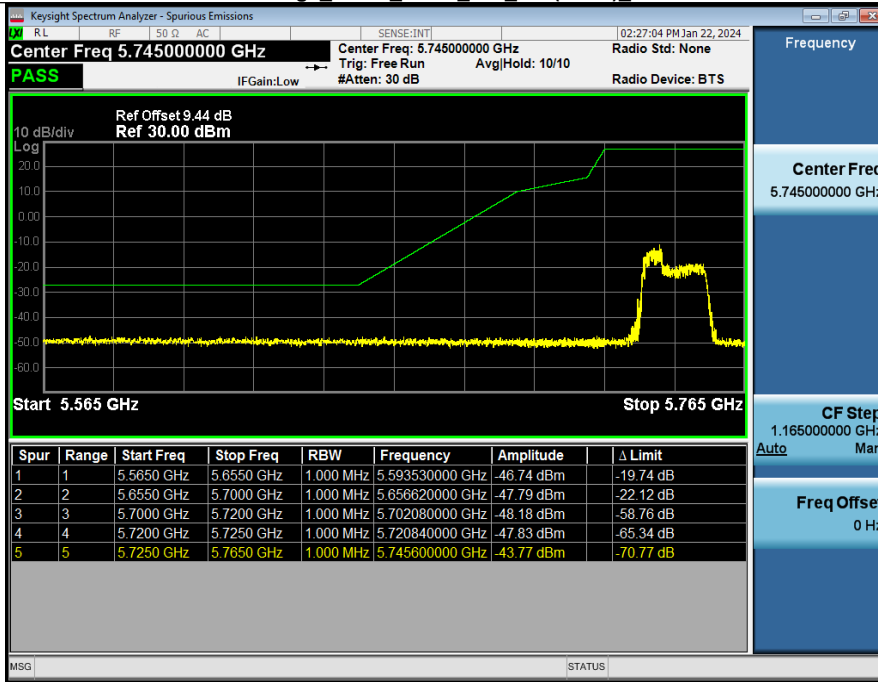
Bandedge_NVNT_ANT1_802_11a_5745



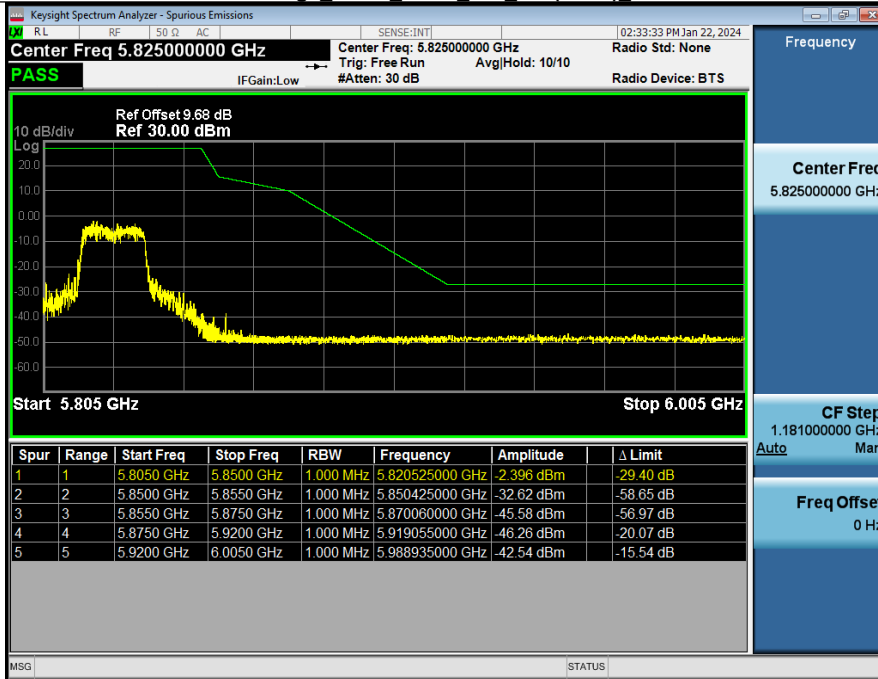
Bandedge_NVNT_ANT1_802_11a_5825



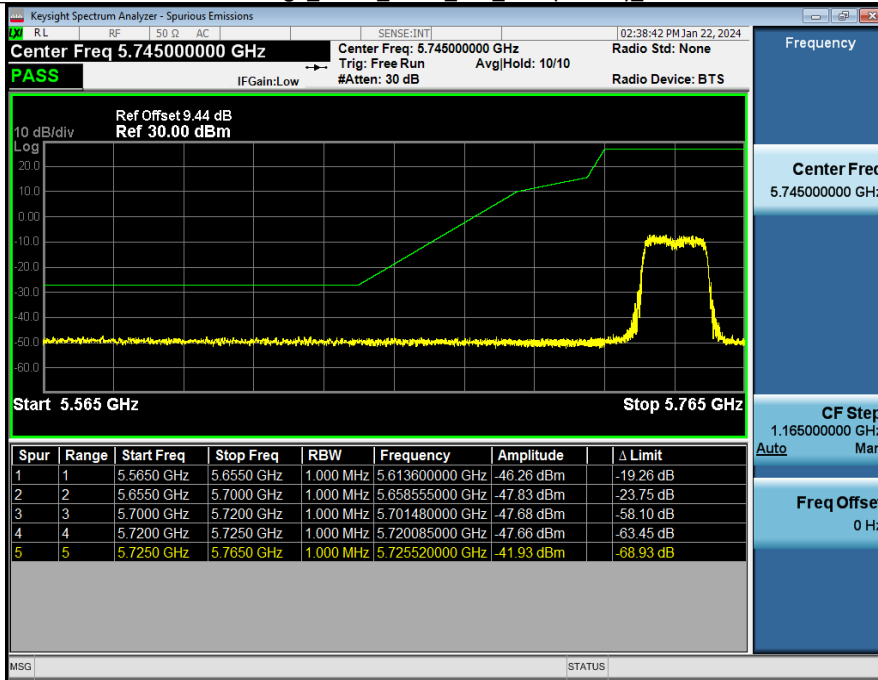
Bandedge_NVNT_ANT1_802_11n(HT20)_5745



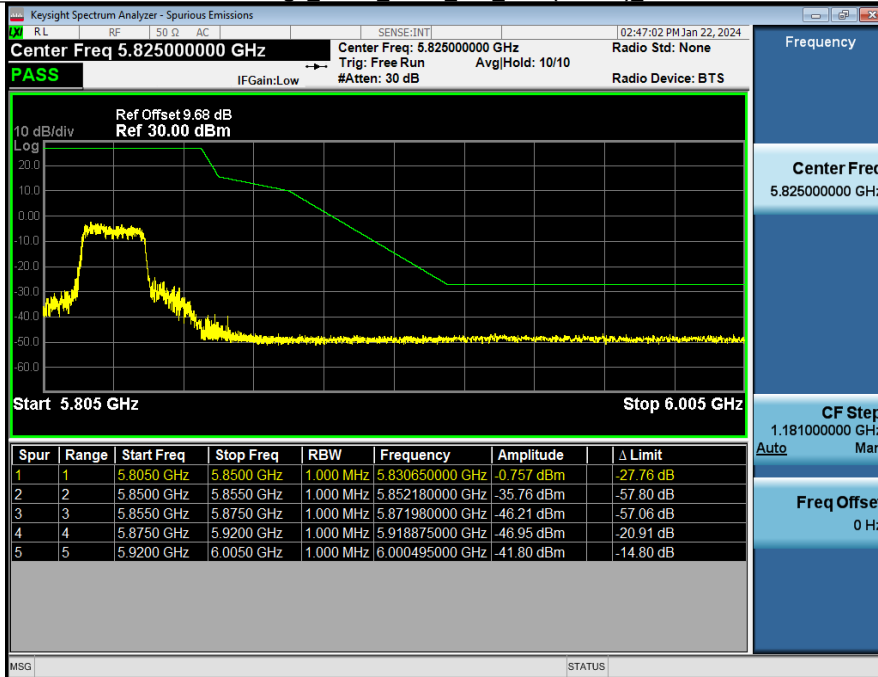
Bandedge_NVNT_ANT1_802_11n(HT20)_5825



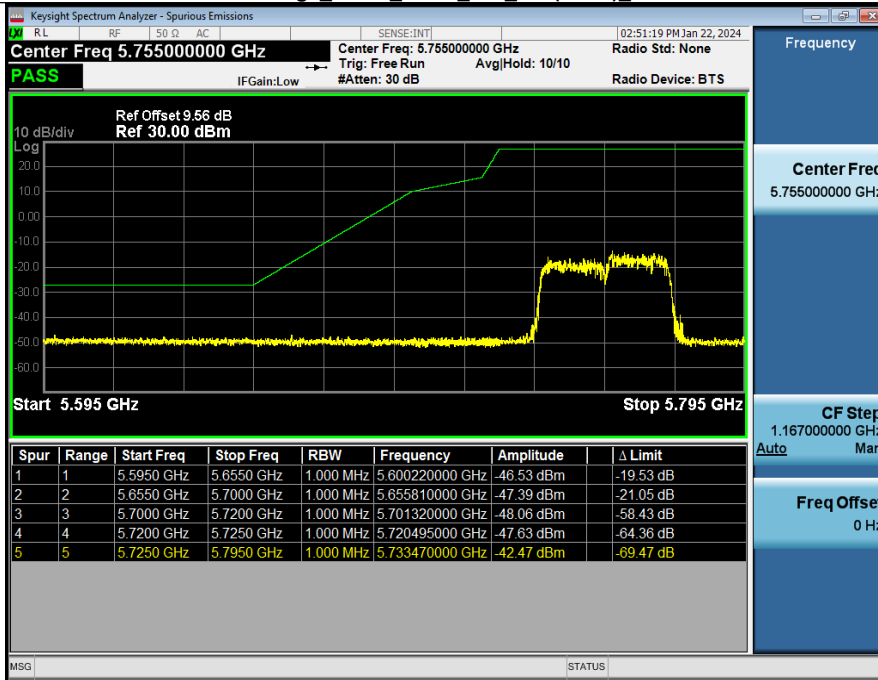
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5745



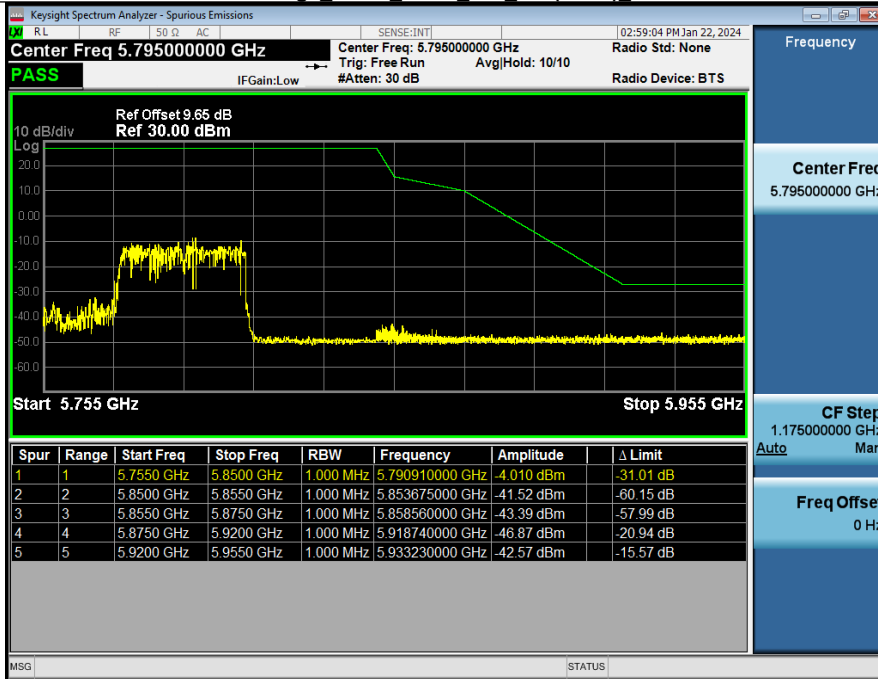
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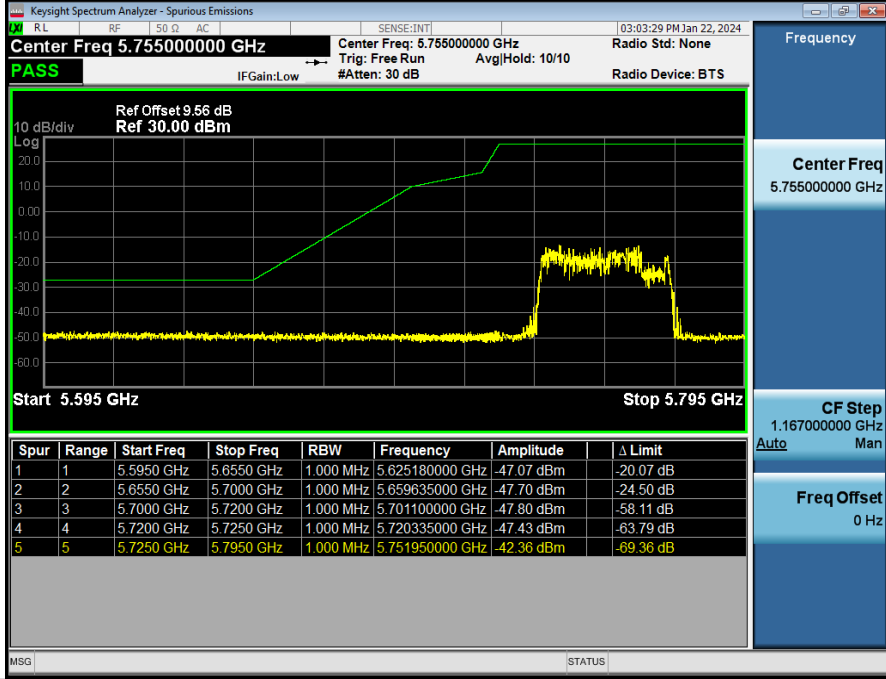
Bandedge_NVNT_ANT1_802_11n(HT40)_5755



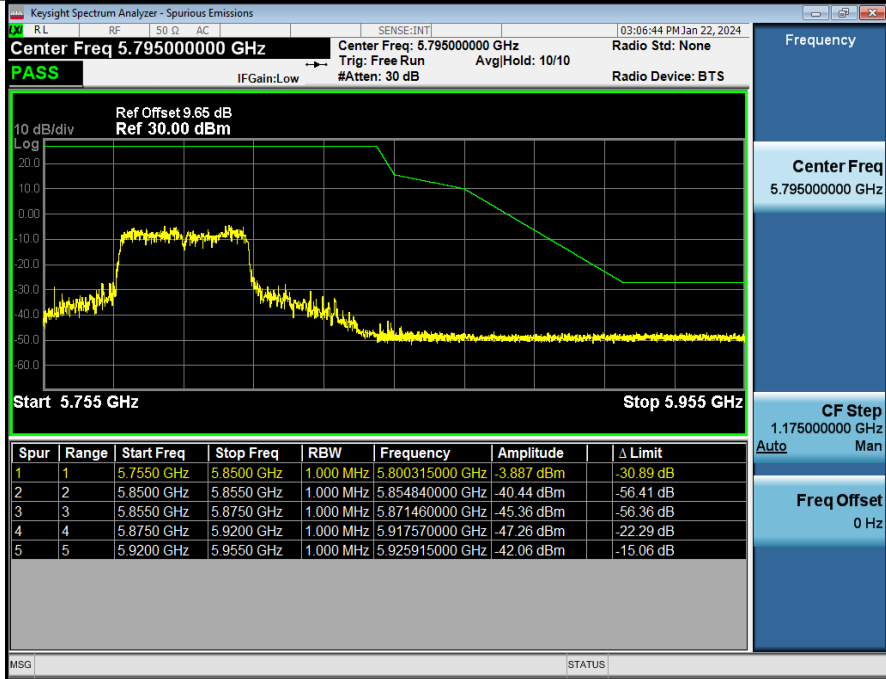
Bandedge_NVNT_ANT1_802_11n(HT40)_5795



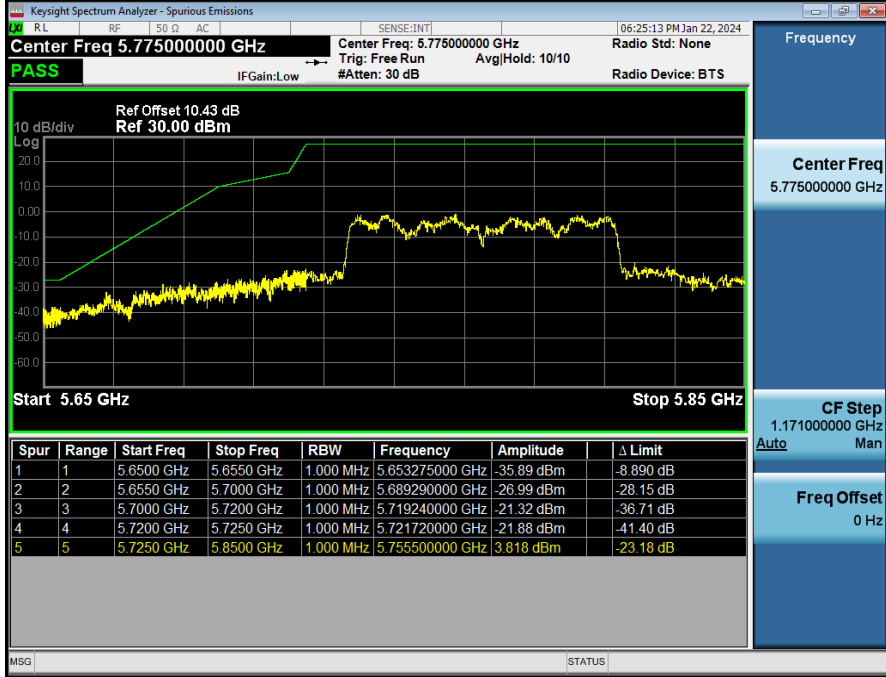
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5755



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5795



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_low

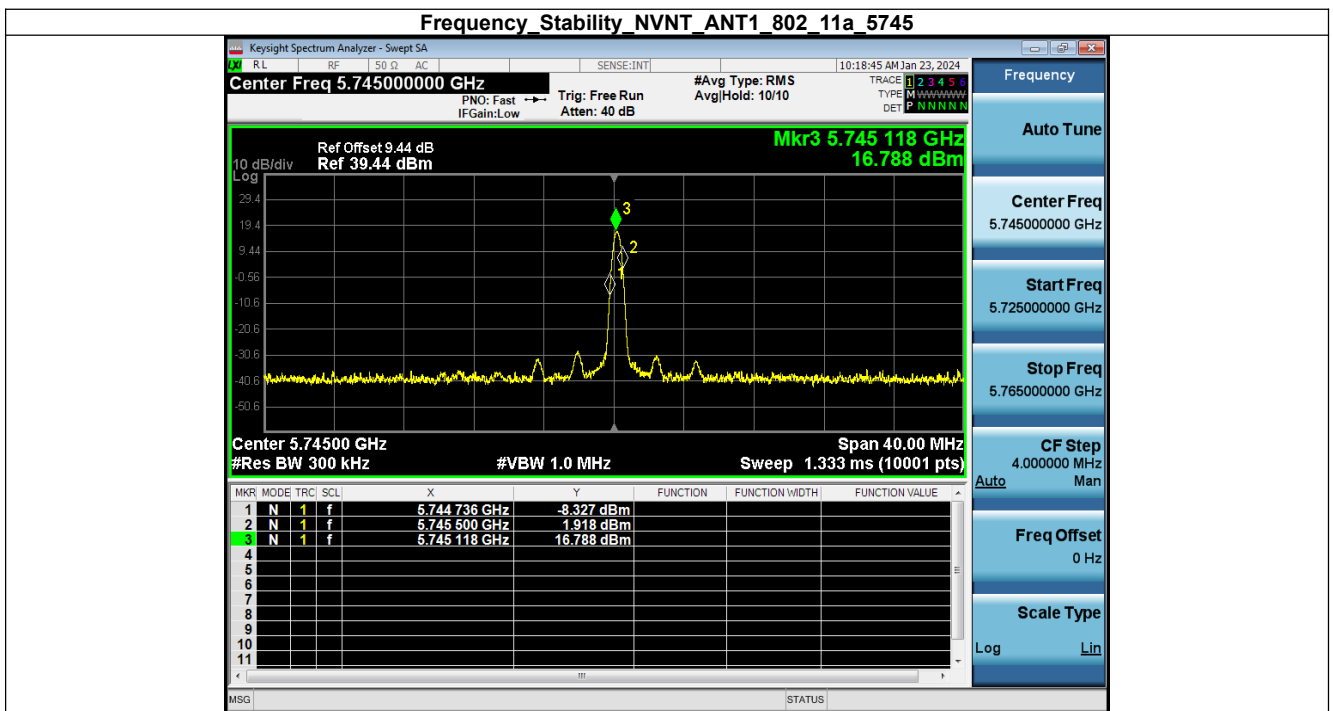


Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_up

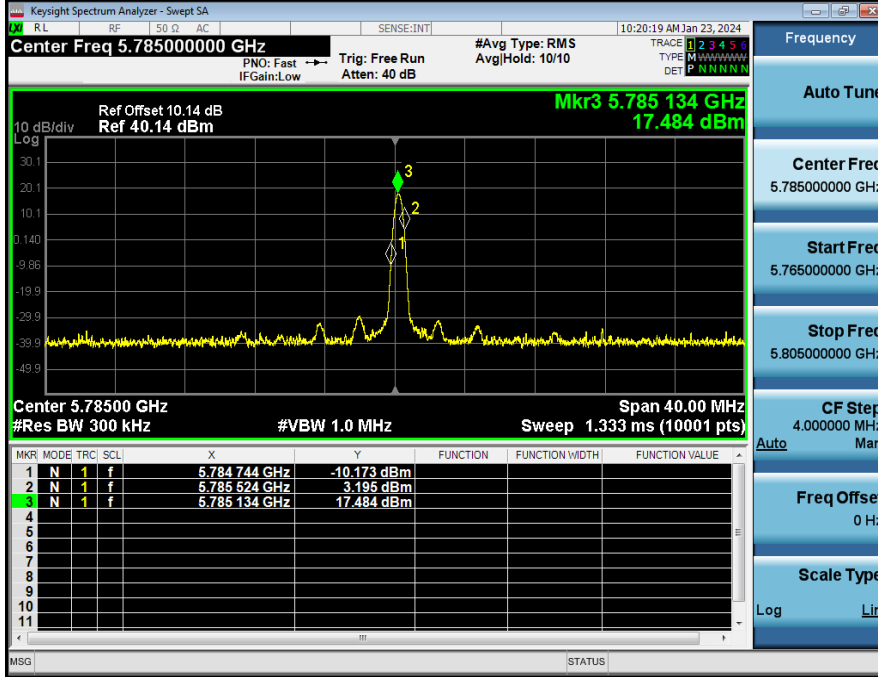


8. Frequency Stability

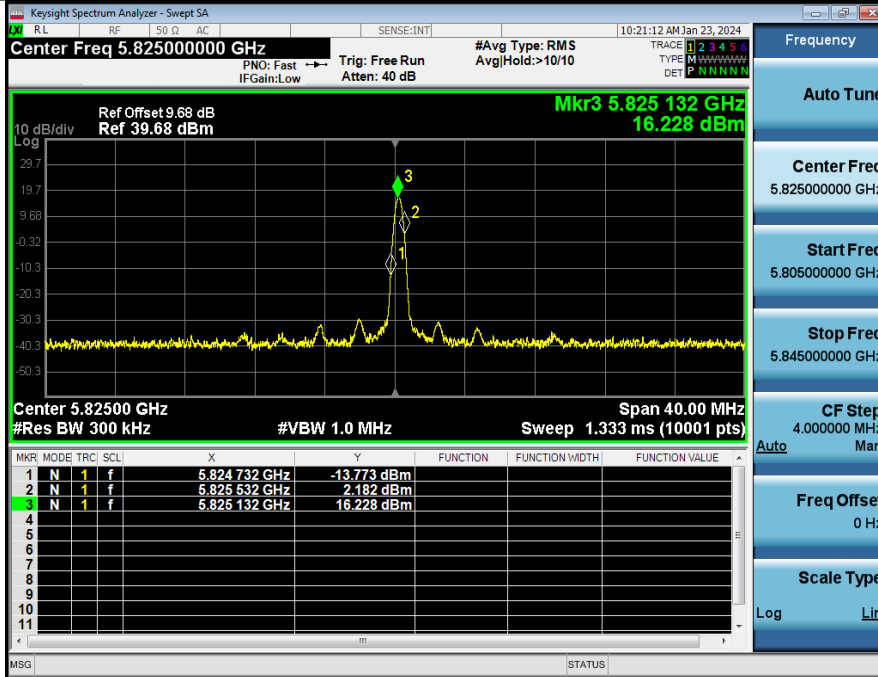
Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	5745.118	5744.736	5745.500	5725~5850	Pass
NVNT	ANT1	802.11a	5785.00	5785.134	5784.744	5785.524	5725~5850	Pass
NVNT	ANT1	802.11a	5825.00	5825.132	5824.732	5825.532	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	5745.108	5744.732	5745.484	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	5785.124	5784.740	5785.508	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5825.132	5824.740	5825.524	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	5745.086	5744.720	5745.452	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	5785.094	5784.724	5785.464	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	5825.102	5824.728	5825.476	5725~5850	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	5755.056	5754.552	5755.560	5725~5850	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	5794.740	5793.904	5795.576	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	5755.092	5754.696	5755.488	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	5795.064	5794.680	5795.448	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	5775.084	5774.664	5775.504	5725~5850	Pass



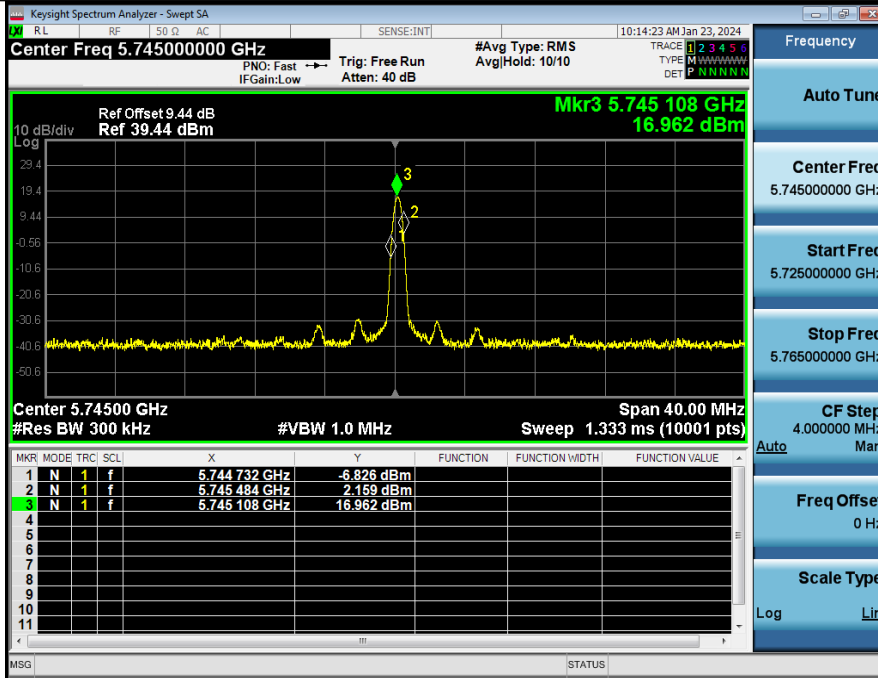
Frequency Stability NVNT_ANT1_802_11a_5785



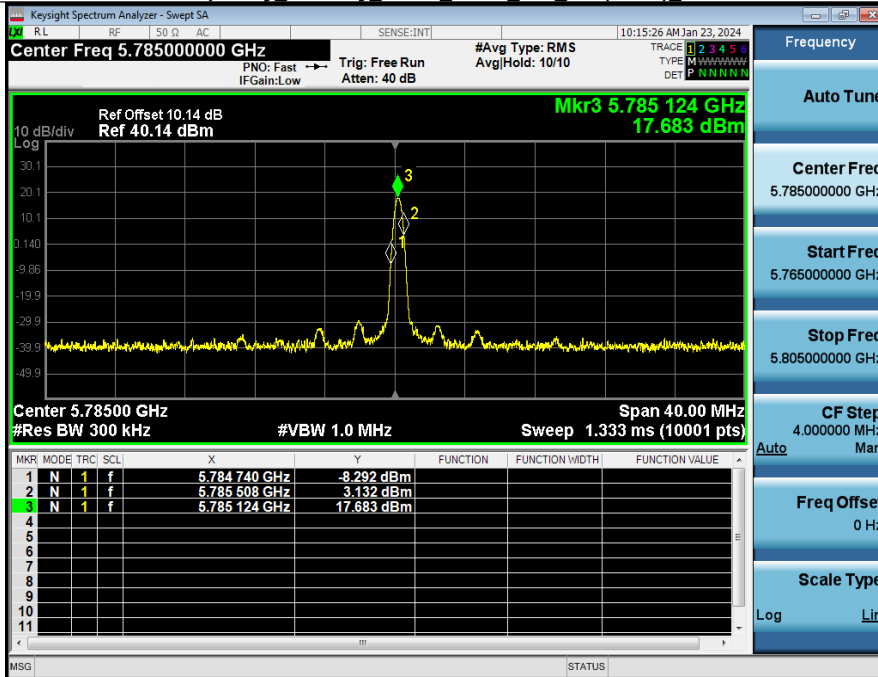
Frequency Stability NVNT ANT1_802_11a_5825



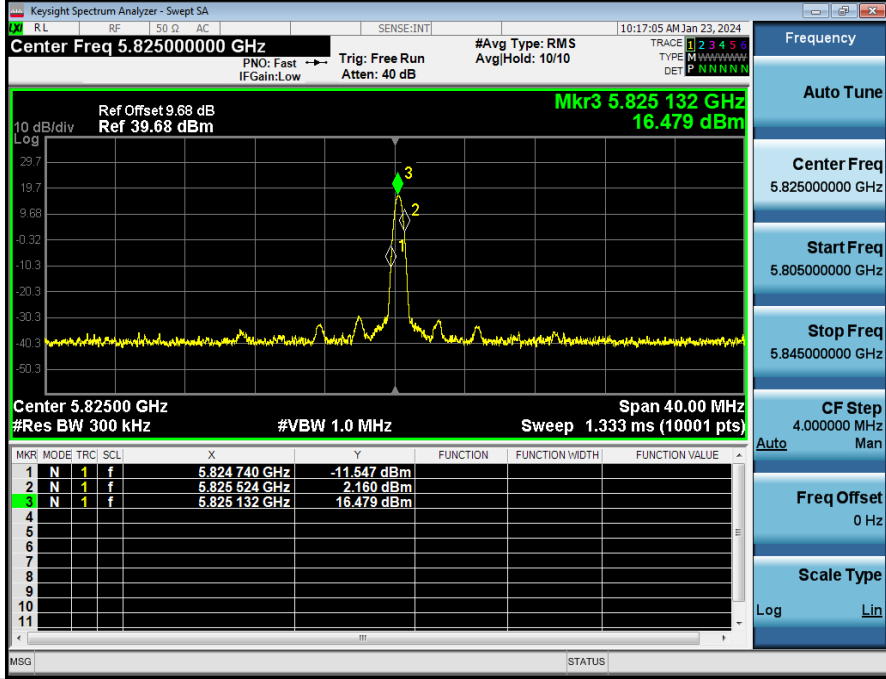
Frequency Stability NVNT_ANT1_802_11n(HT20)_5745



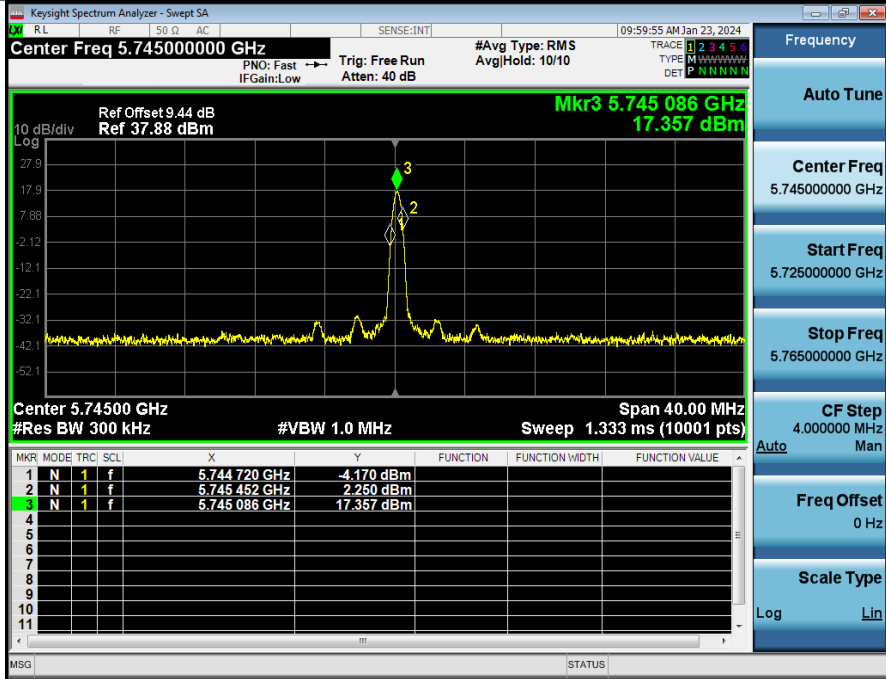
Frequency Stability NVNT ANT1_802_11n(HT20)_5785



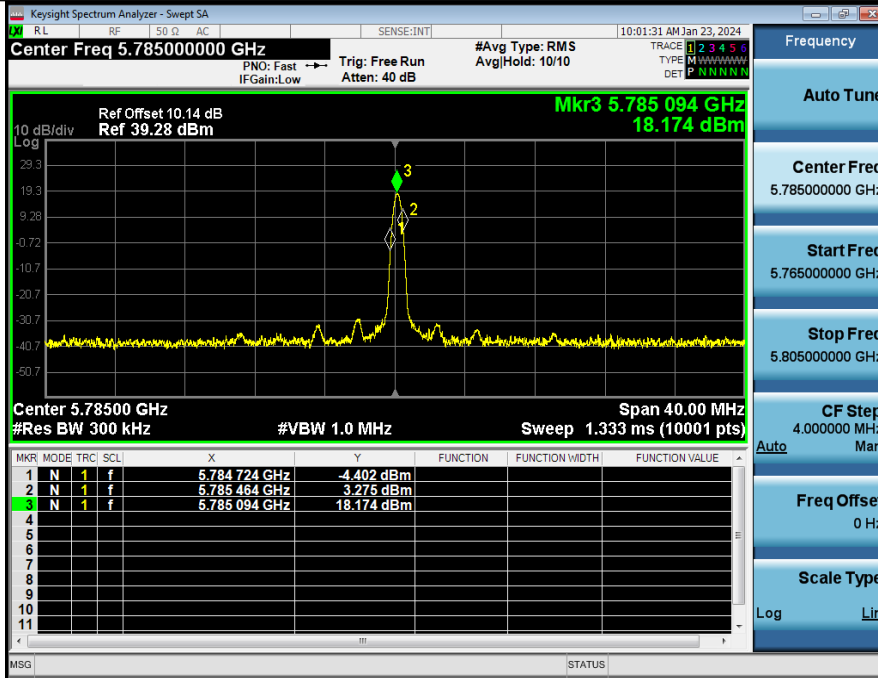
Frequency Stability NVNT_ANT1_802_11n(HT20)_5825



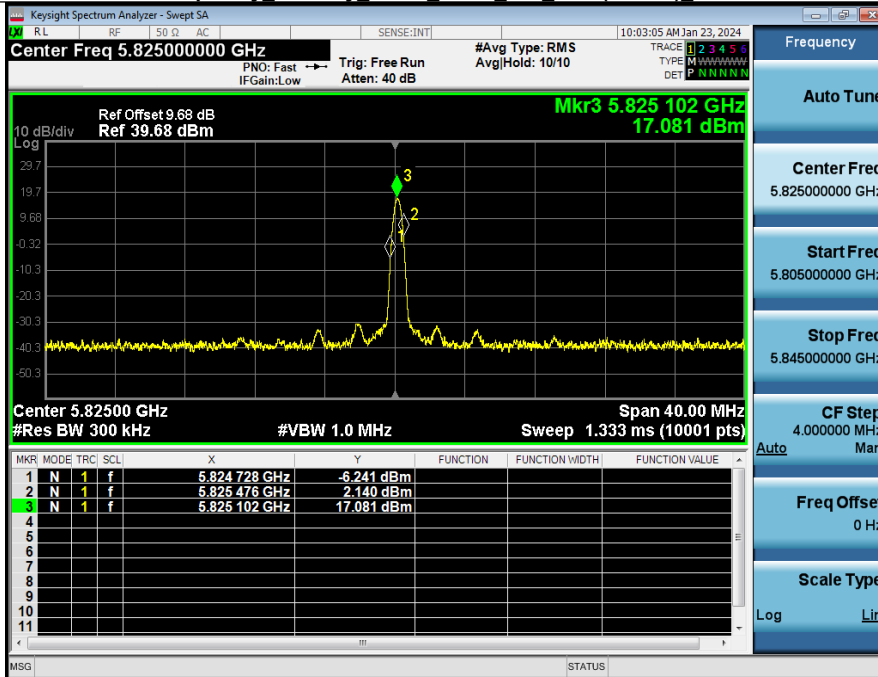
Frequency Stability NVNT_ANT1_802_11ac(VHT20)_5745



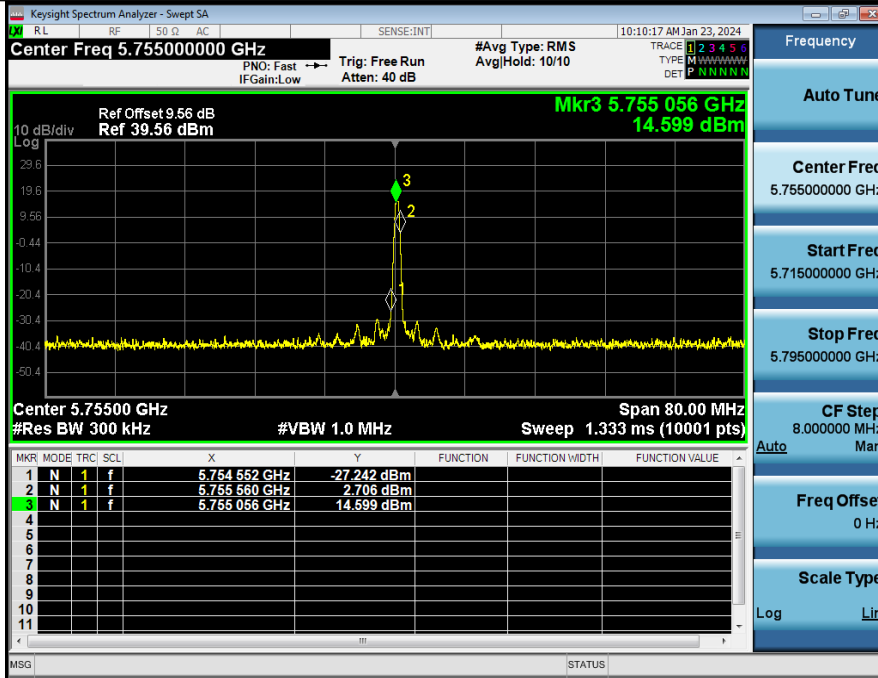
Frequency Stability NVNT_ANT1_802_11ac(VHT20)_5785



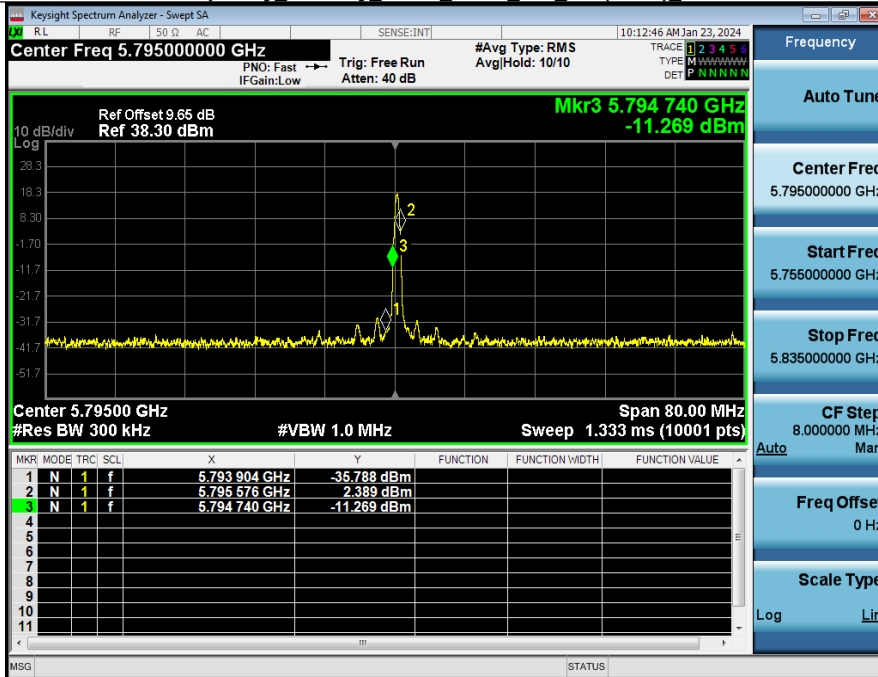
Frequency Stability NVNT_ANT1_802_11ac(VHT20)_5825



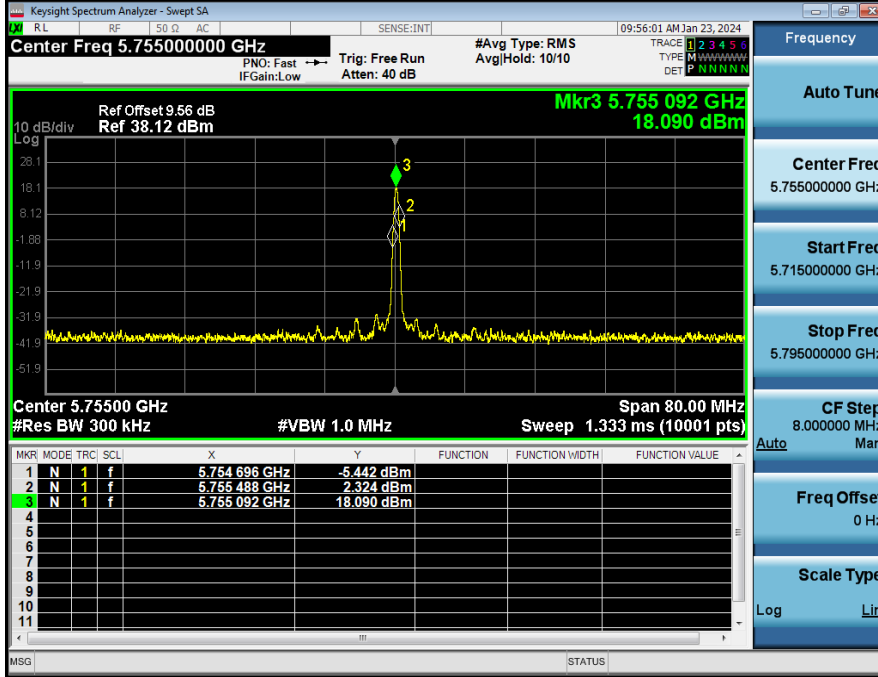
Frequency Stability NVNT_ANT1_802_11n(HT40)_5755



Frequency Stability NVNT ANT1_802_11n(HT40)_5795



Frequency Stability NVNT_ANT1_802_11ac(VHT40)_5755



Frequency Stability NVNT_ANT1_802_11ac(VHT40)_5795

