

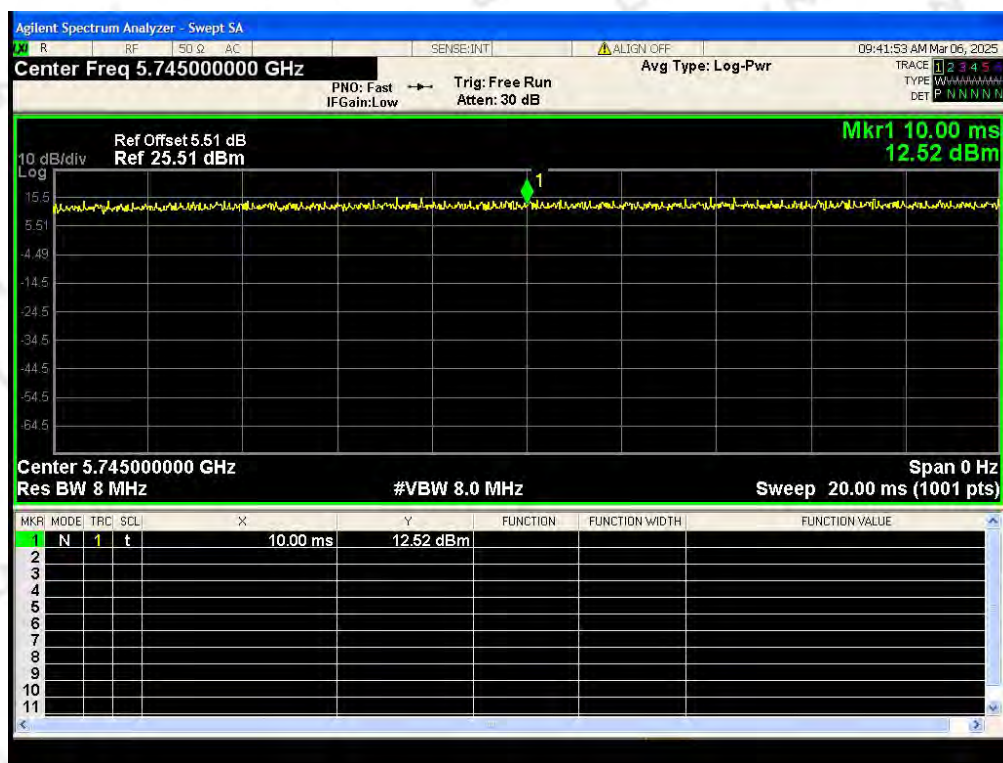
Test Report

ANT 1 5G WIFI RF test data_B4

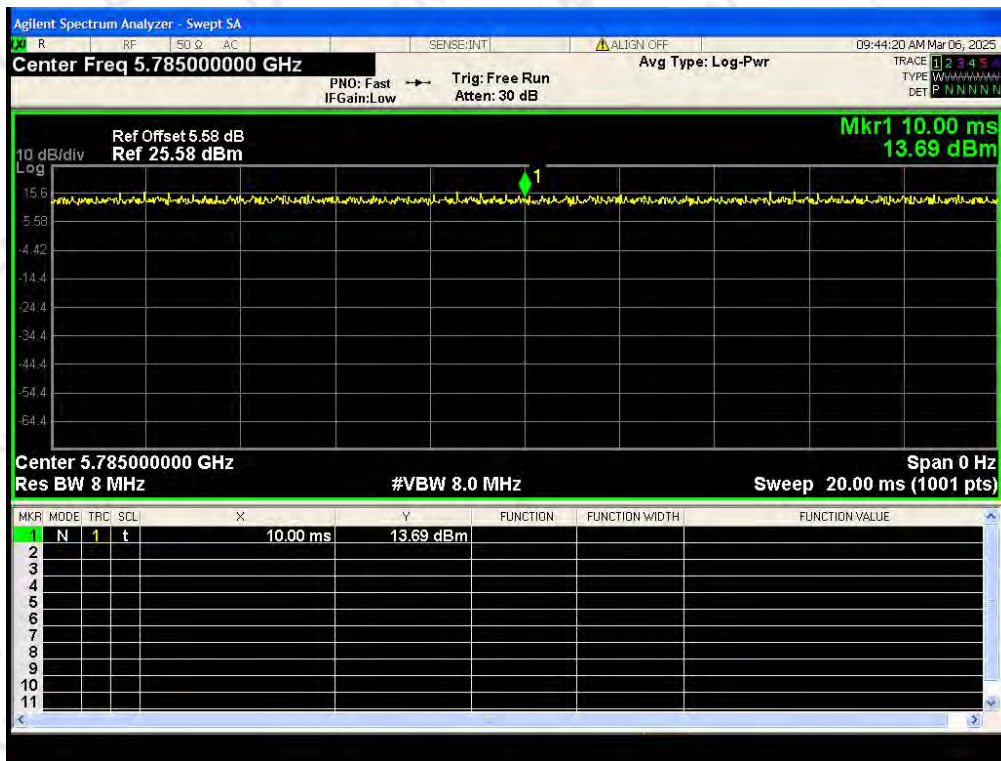
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5745	100	0
NVNT	802.11a	5785	100	0
NVNT	802.11a	5825	100	0
NVNT	802.11ac20	5745	100	0
NVNT	802.11ac20	5785	100	0
NVNT	802.11ac20	5825	100	0
NVNT	802.11ac40	5755	100	0
NVNT	802.11ac40	5795	100	0
NVNT	802.11ac80	5755	100	0
NVNT	802.11n(HT20)	5745	100	0
NVNT	802.11n(HT20)	5785	100	0
NVNT	802.11n(HT20)	5825	100	0
NVNT	802.11n(HT40)	5755	100	0
NVNT	802.11n(HT40)	5795	100	0

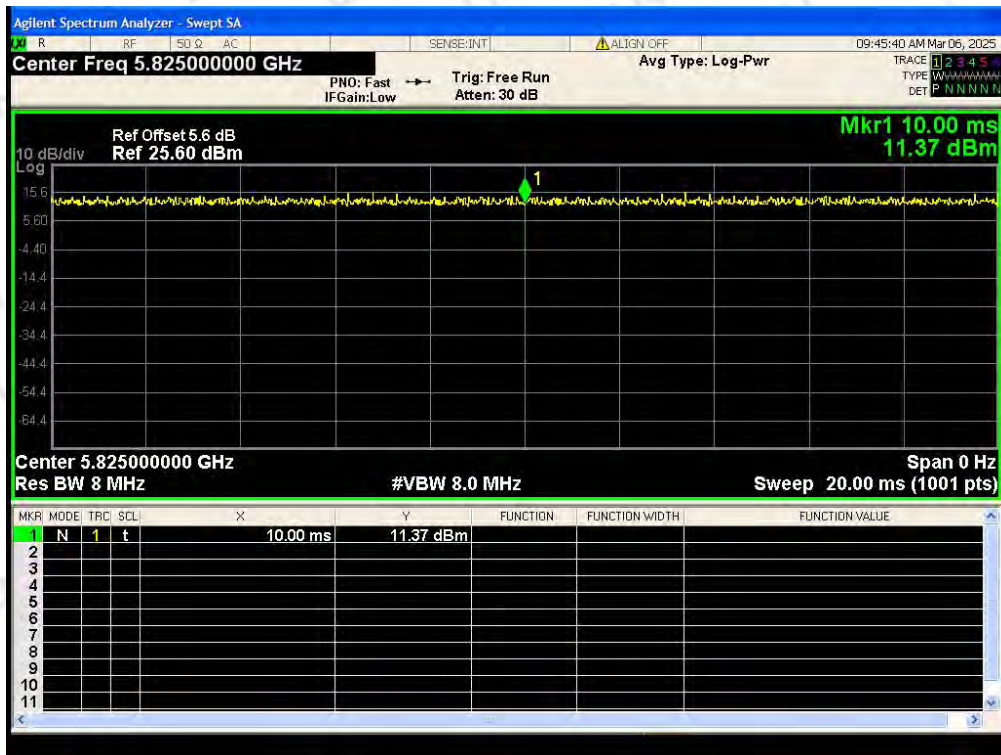
Duty Cycle NVNT 802.11a 5745MHz



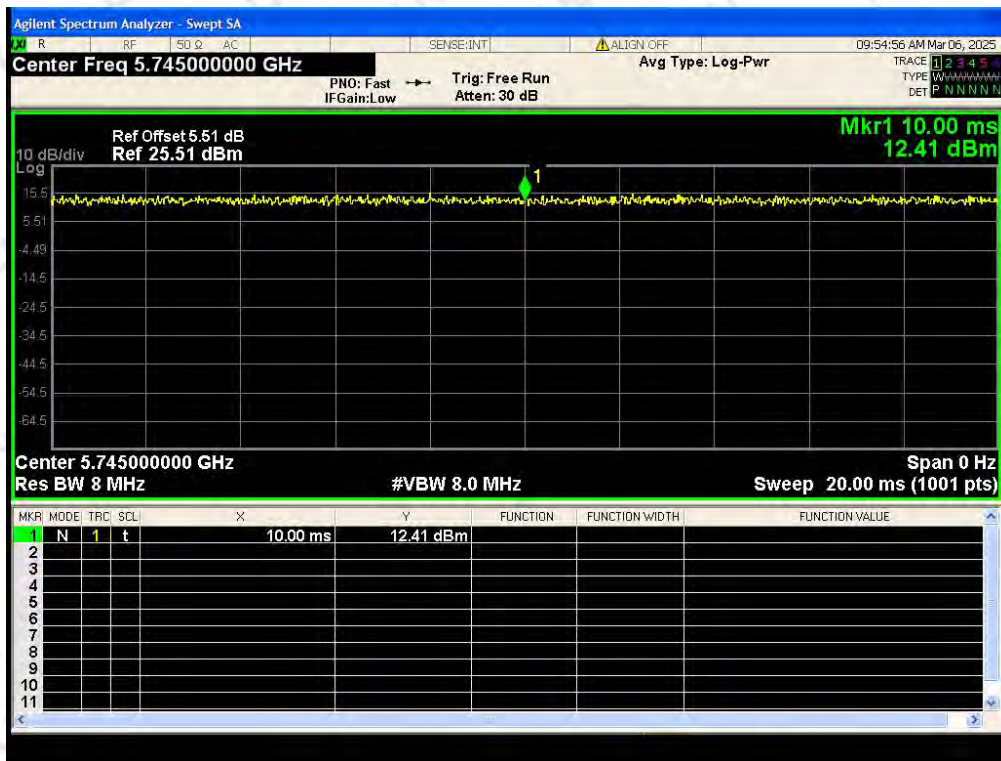
Duty Cycle NVNT 802.11a 5785MHz



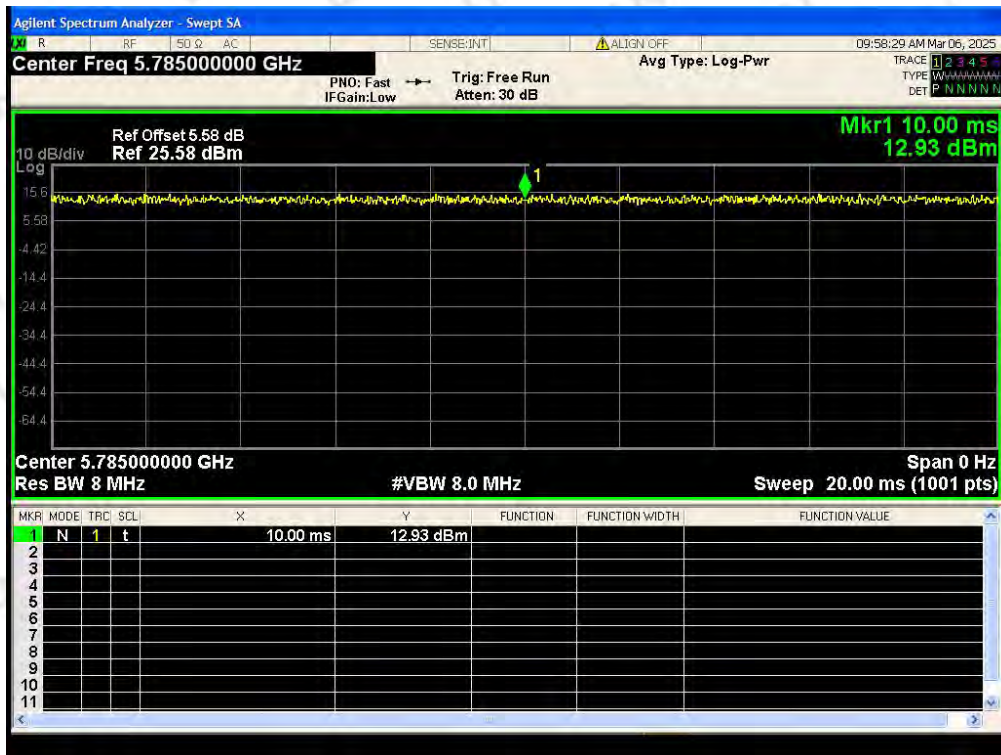
Duty Cycle NVNT 802.11a 5825MHz



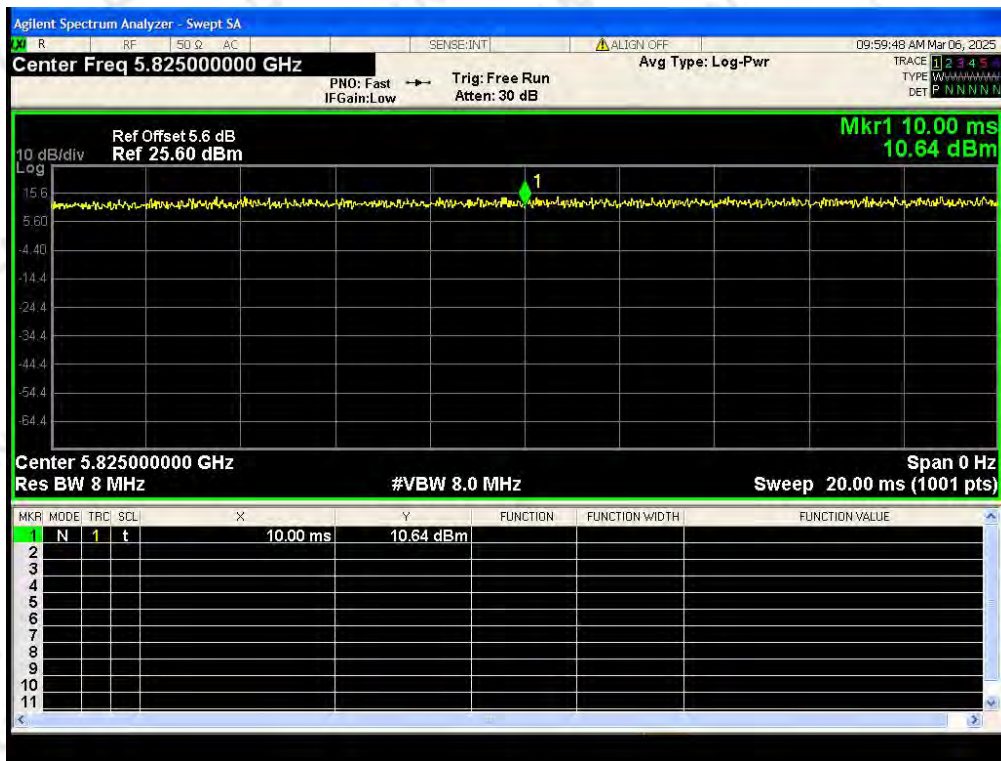
Duty Cycle NVNT 802.11ac20 5745MHz



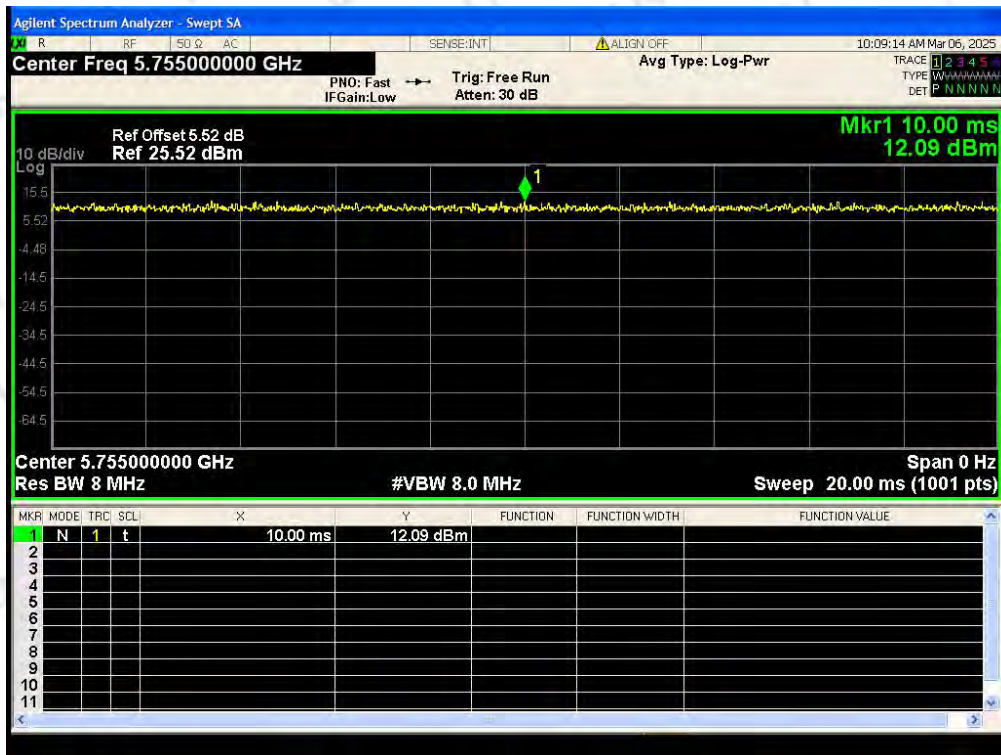
Duty Cycle NVNT 802.11ac20 5785MHz



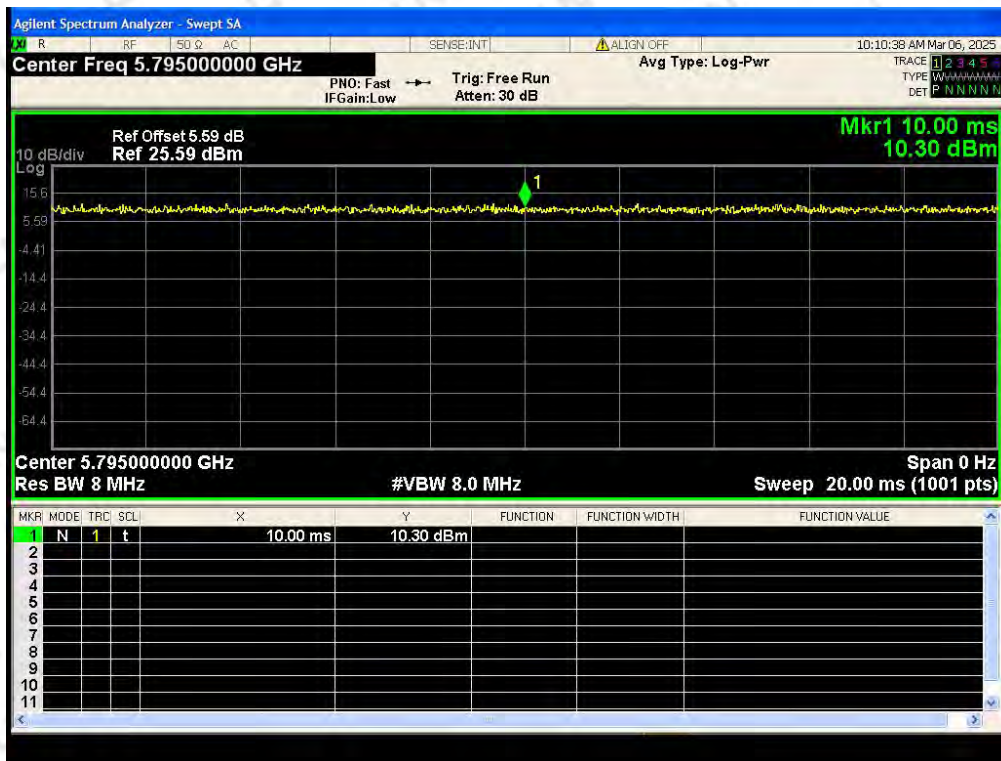
Duty Cycle NVNT 802.11ac20 5825MHz



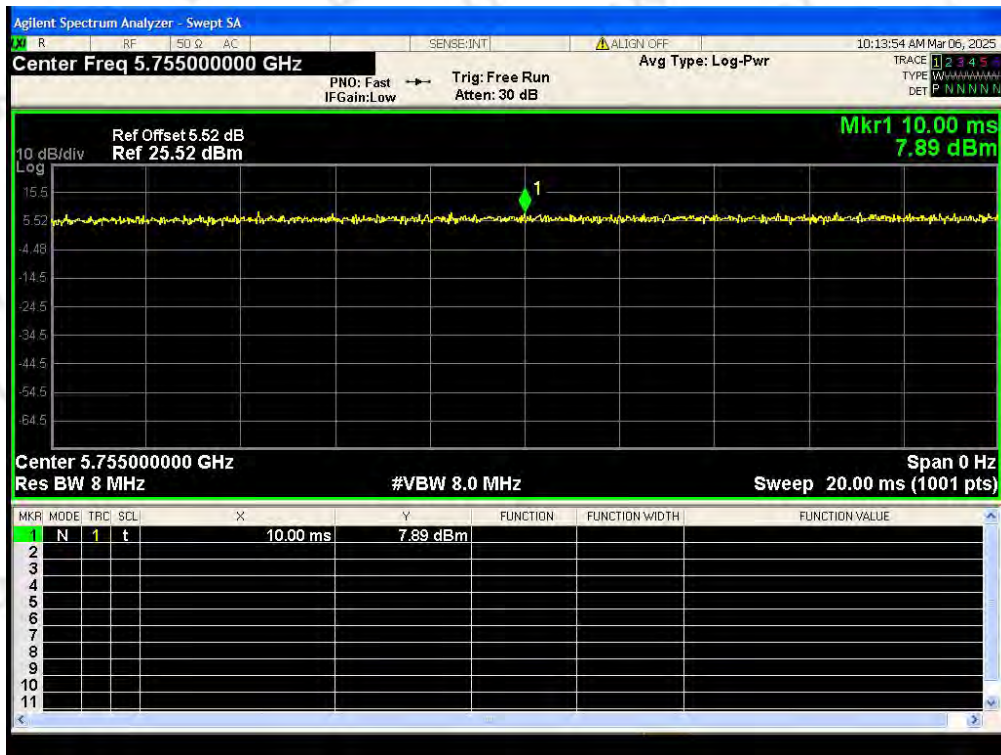
Duty Cycle NVNT 802.11ac40 5755MHz



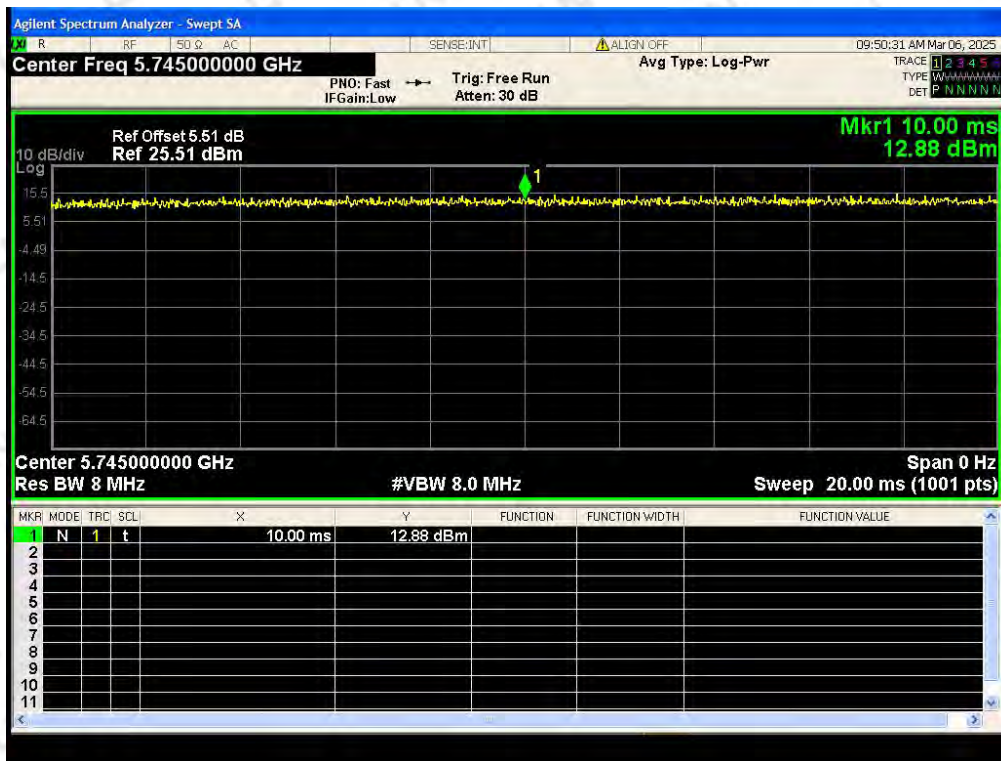
Duty Cycle NVNT 802.11ac40 5795MHz



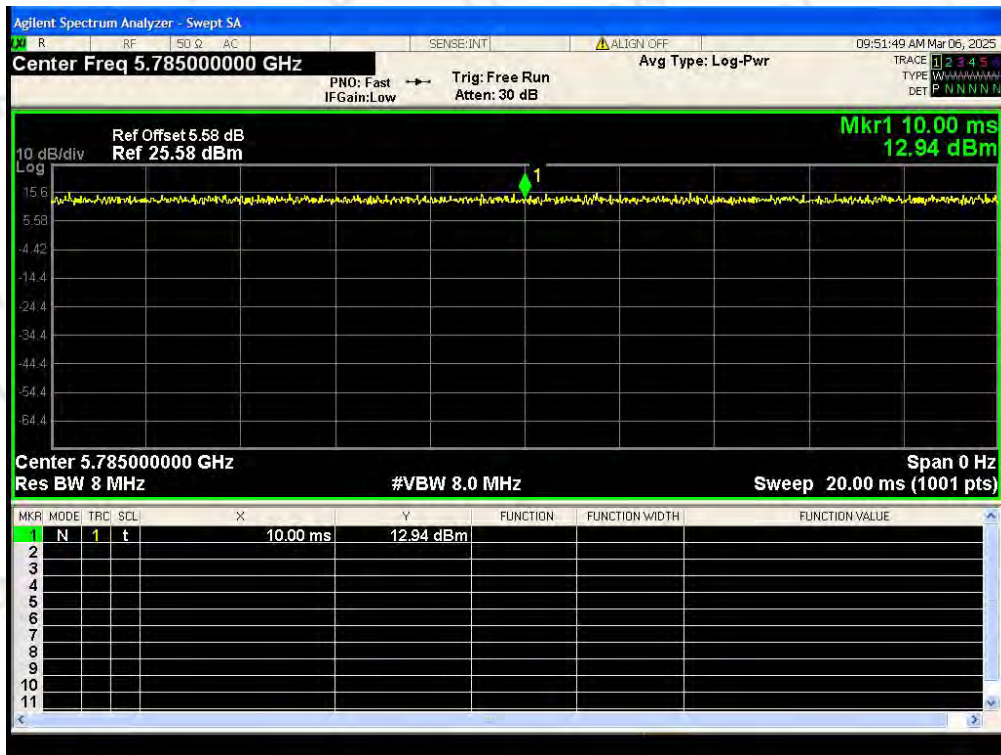
Duty Cycle NVNT 802.11ac80 5755MHz



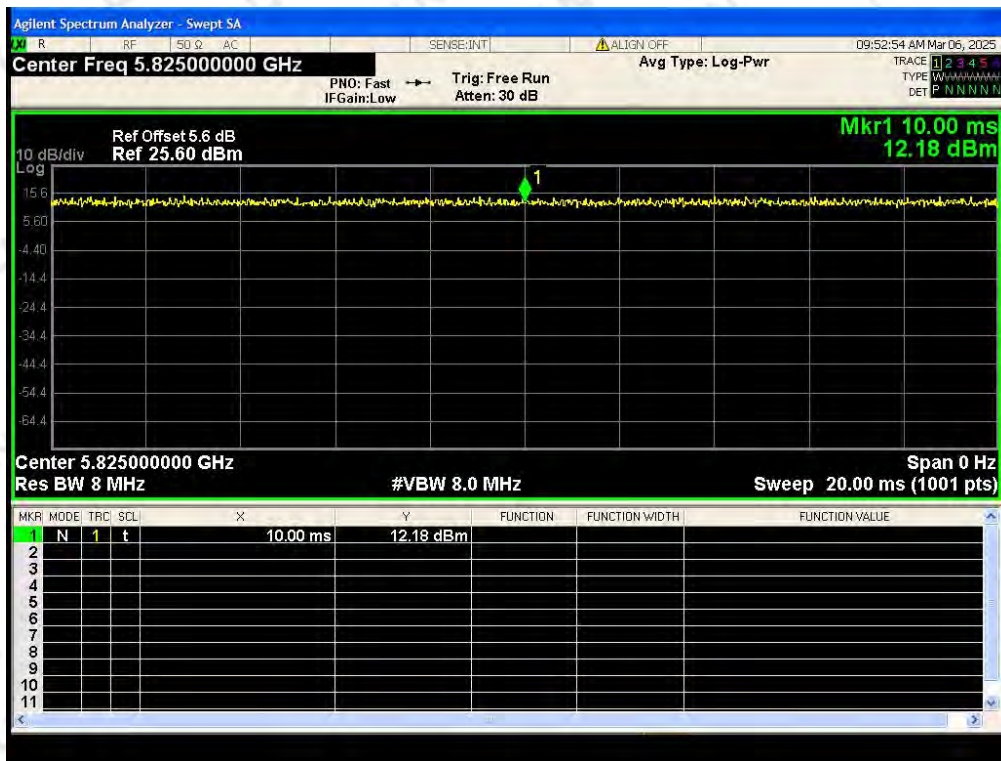
Duty Cycle NVNT 802.11n(HT20) 5745MHz



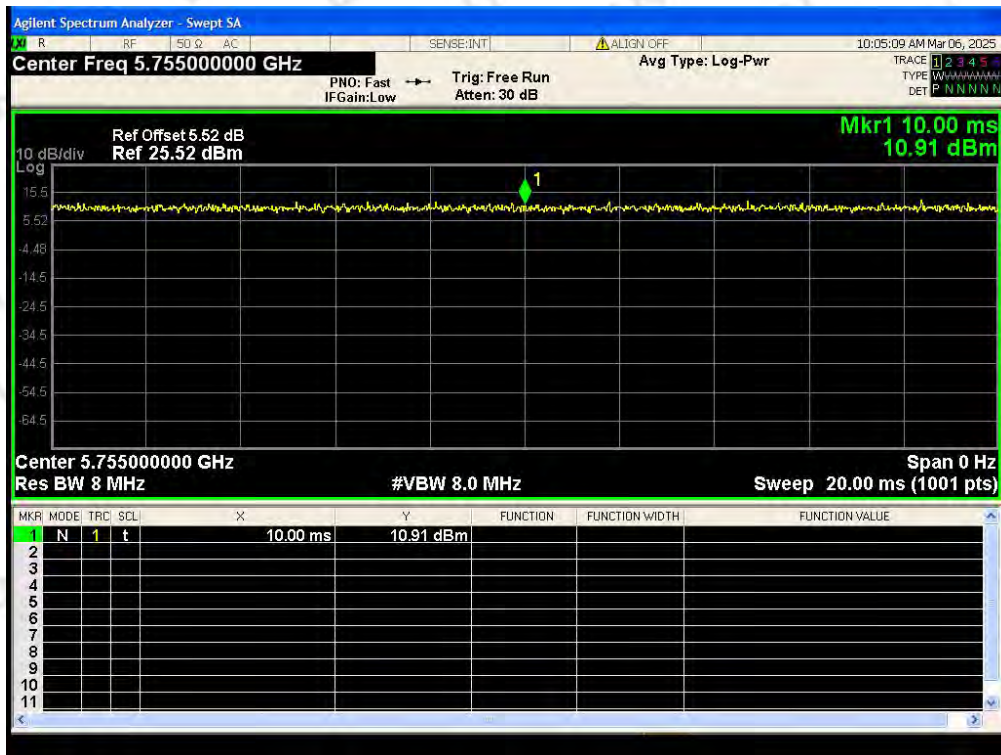
Duty Cycle NVNT 802.11n(HT20) 5785MHz



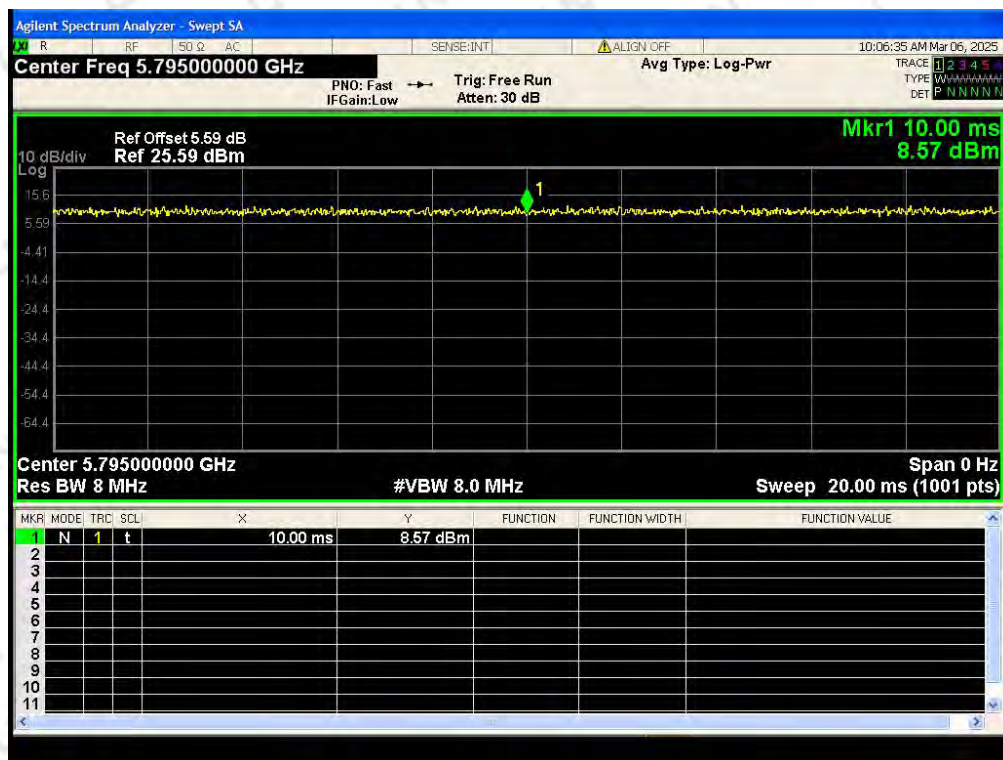
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



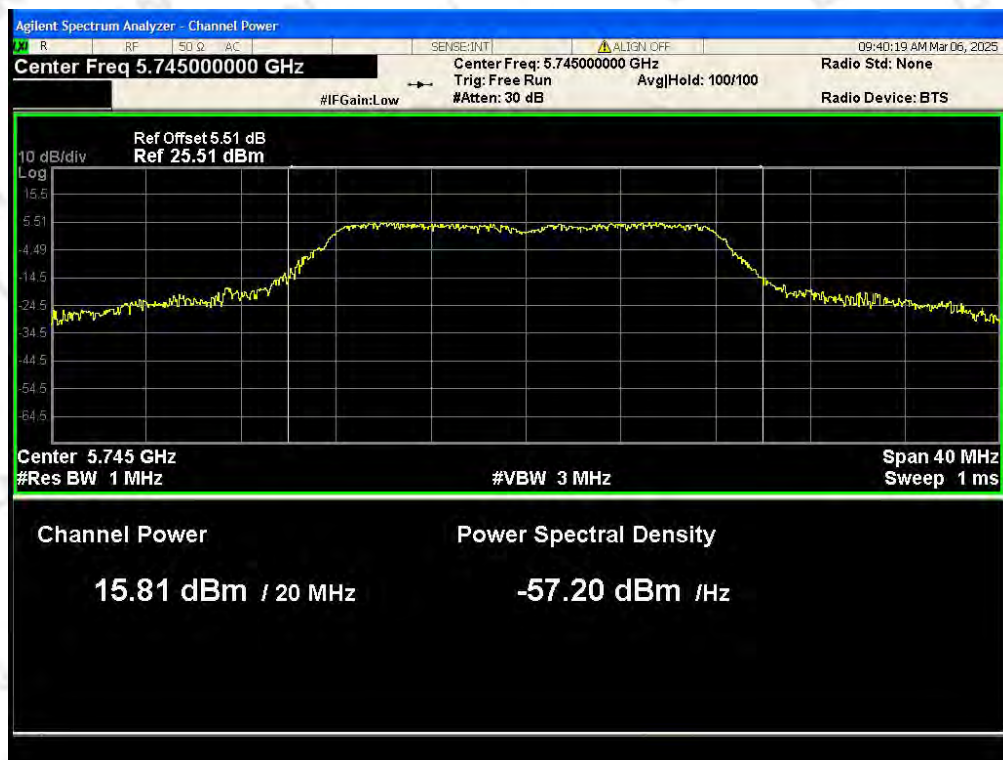
Duty Cycle NVNT 802.11n(HT40) 5795MHz



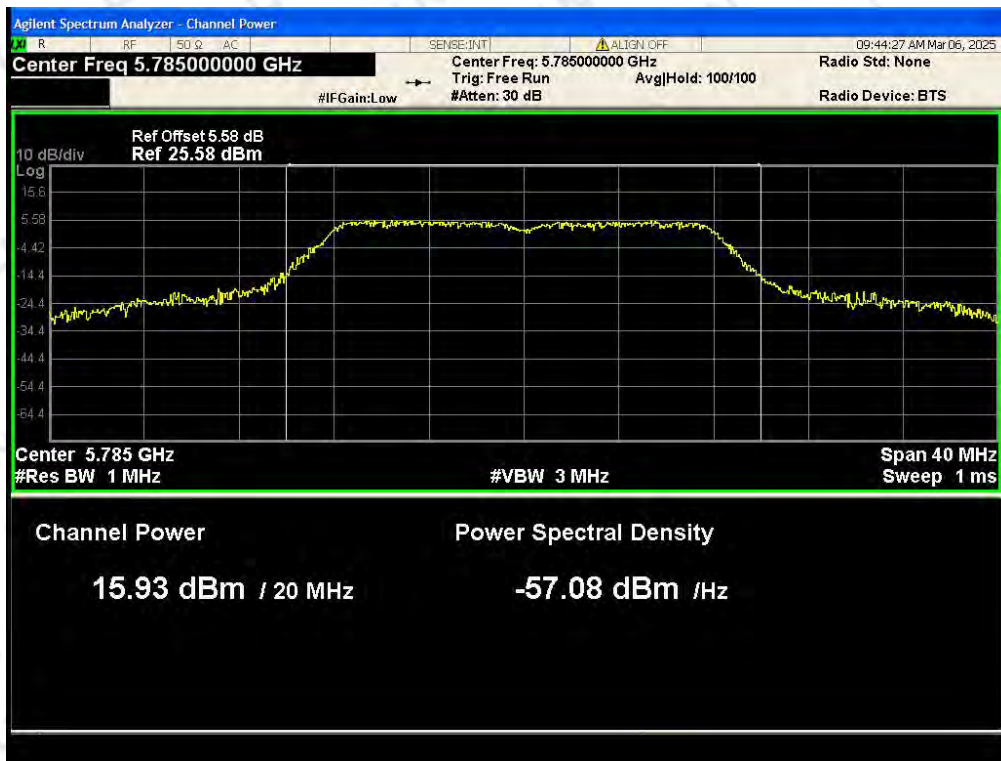
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	15.81	0	15.81	30	Pass
NVNT	802.11a	5785	Ant 1	15.93	0	15.93	30	Pass
NVNT	802.11a	5825	Ant 1	15.46	0	15.46	30	Pass
NVNT	802.11ac20	5745	Ant 1	16.14	0	16.14	30	Pass
NVNT	802.11ac20	5785	Ant 1	16.24	0	16.24	30	Pass
NVNT	802.11ac20	5825	Ant 1	15.72	0	15.72	30	Pass
NVNT	802.11ac40	5755	Ant 1	16.57	0	16.57	30	Pass
NVNT	802.11ac40	5795	Ant 1	16.53	0	16.53	30	Pass
NVNT	802.11ac80	5755	Ant 1	16.74	0	16.74	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	16.11	0	16.11	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	16.16	0	16.16	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	15.66	0	15.66	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	16.54	0	16.54	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	16.52	0	16.52	30	Pass

Power NVNT 802.11a 5745MHz Ant1



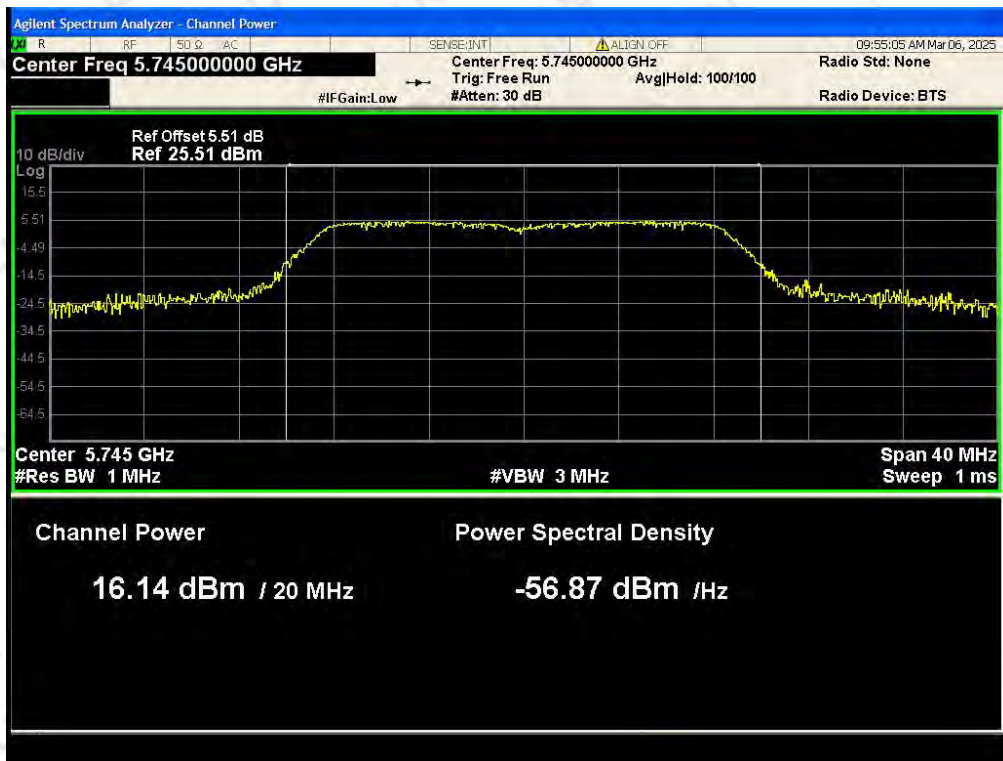
Power NVNT 802.11a 5785MHz Ant1



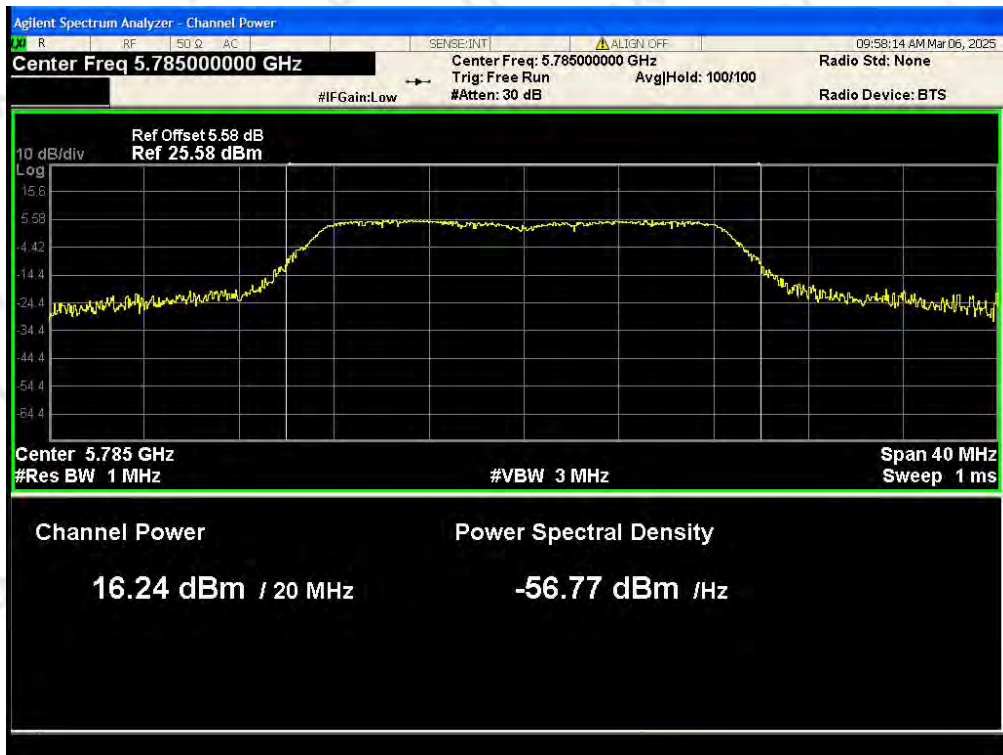
Power NVNT 802.11a 5825MHz Ant1



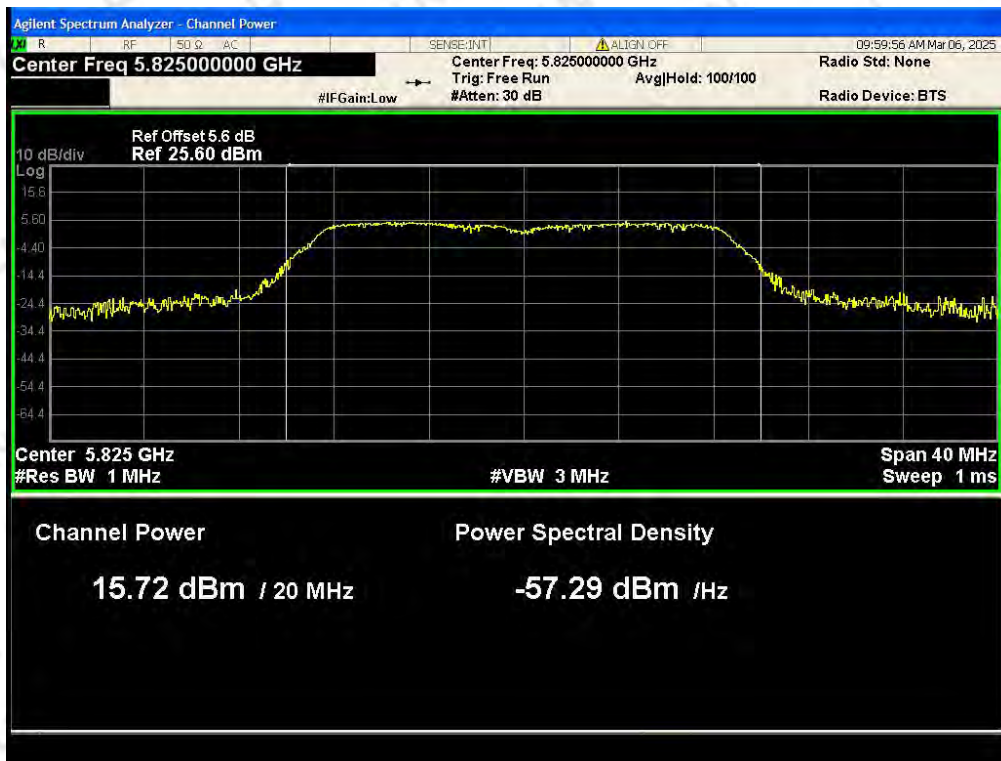
Power NVNT 802.11ac20 5745MHz Ant1



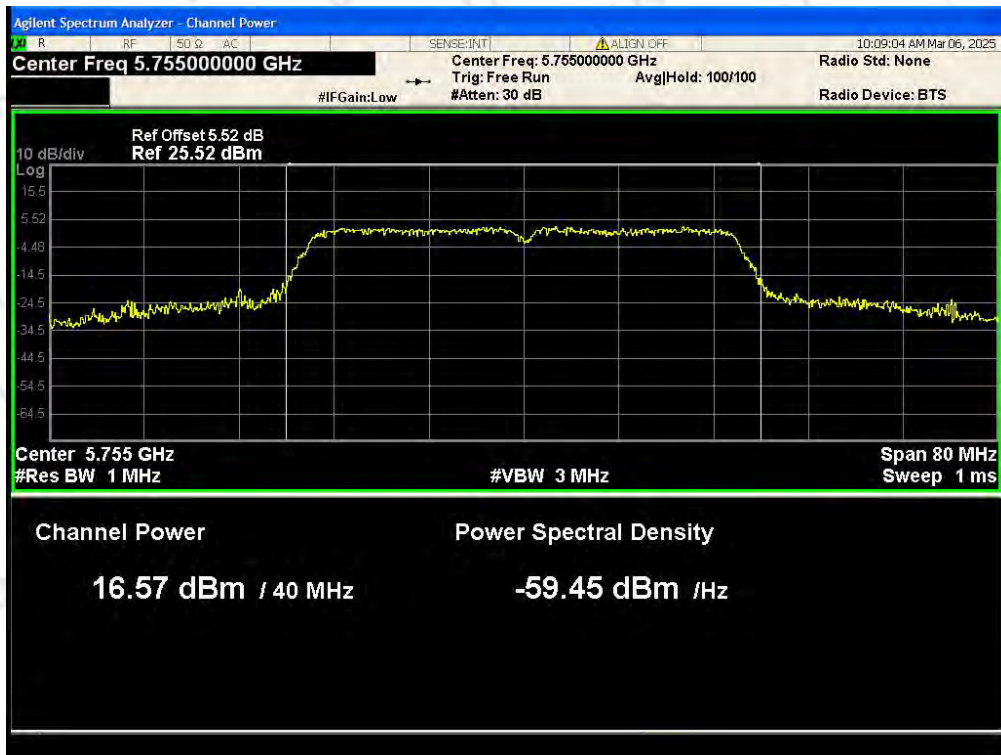
Power NVNT 802.11ac20 5785MHz Ant1



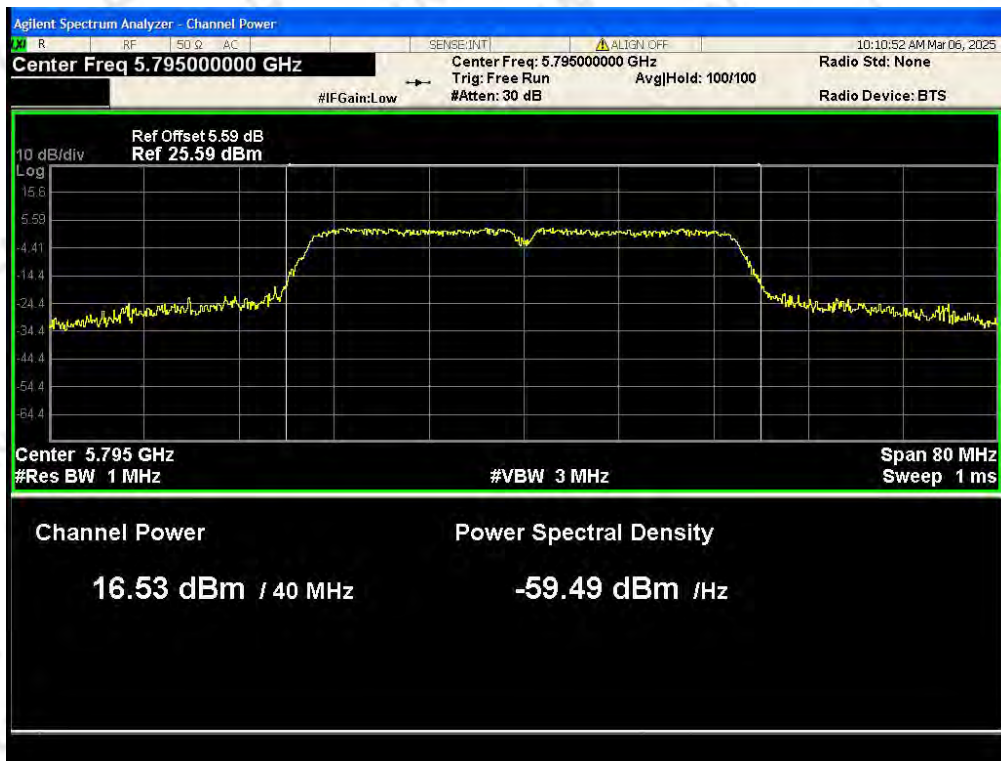
Power NVNT 802.11ac20 5825MHz Ant1



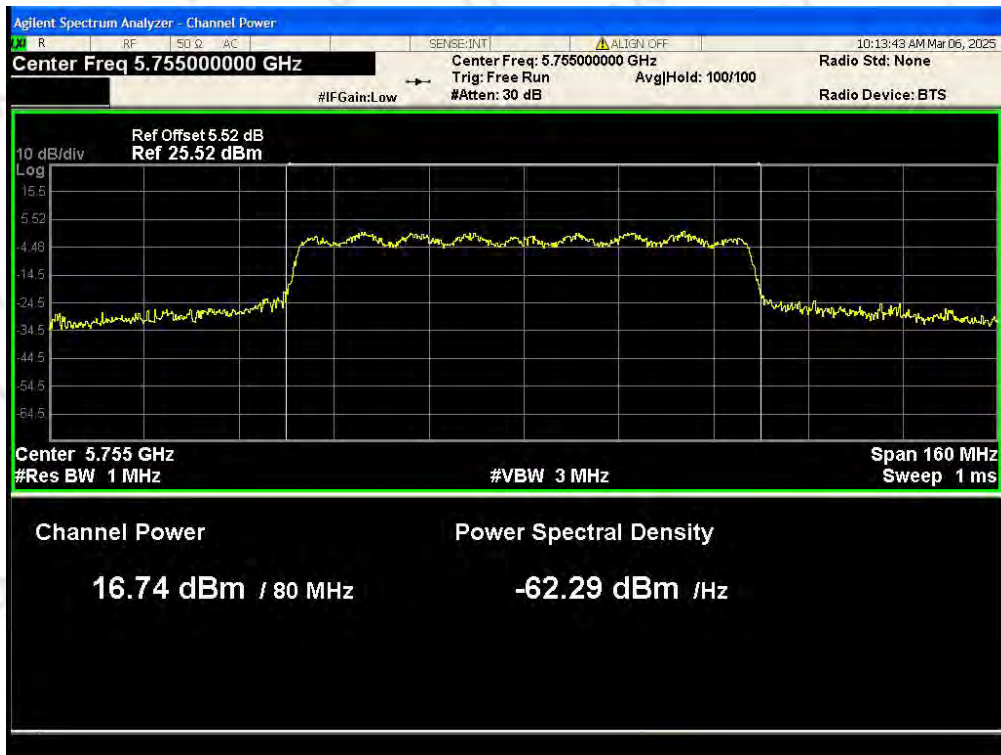
Power NVNT 802.11ac40 5755MHz Ant1



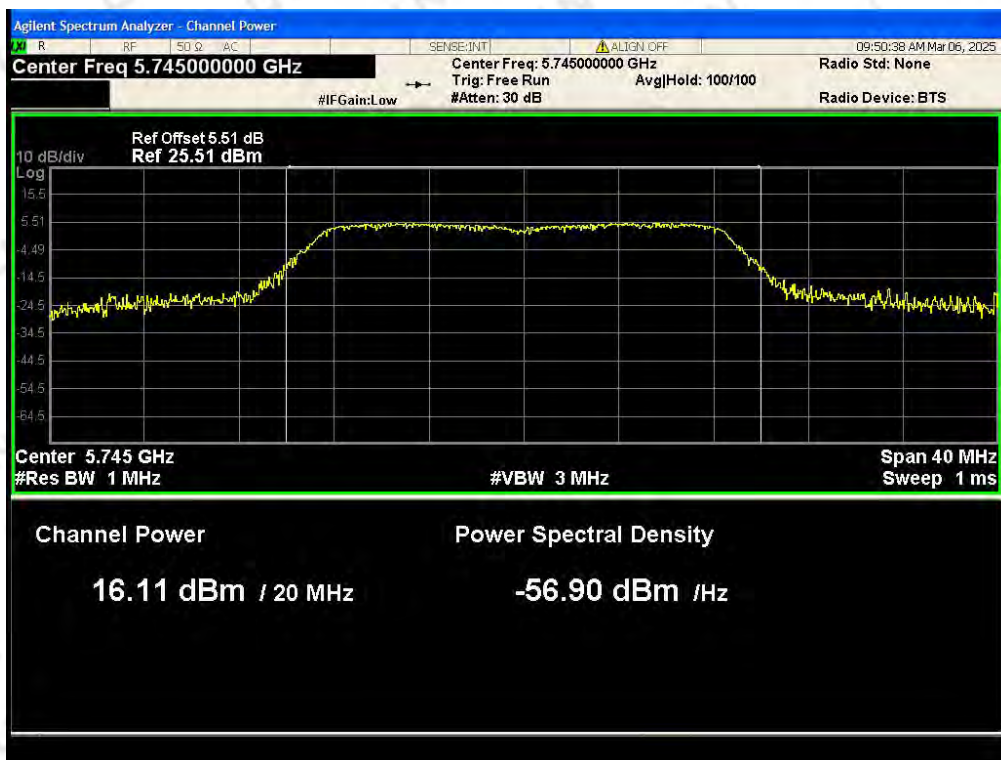
Power NVNT 802.11ac40 5795MHz Ant1



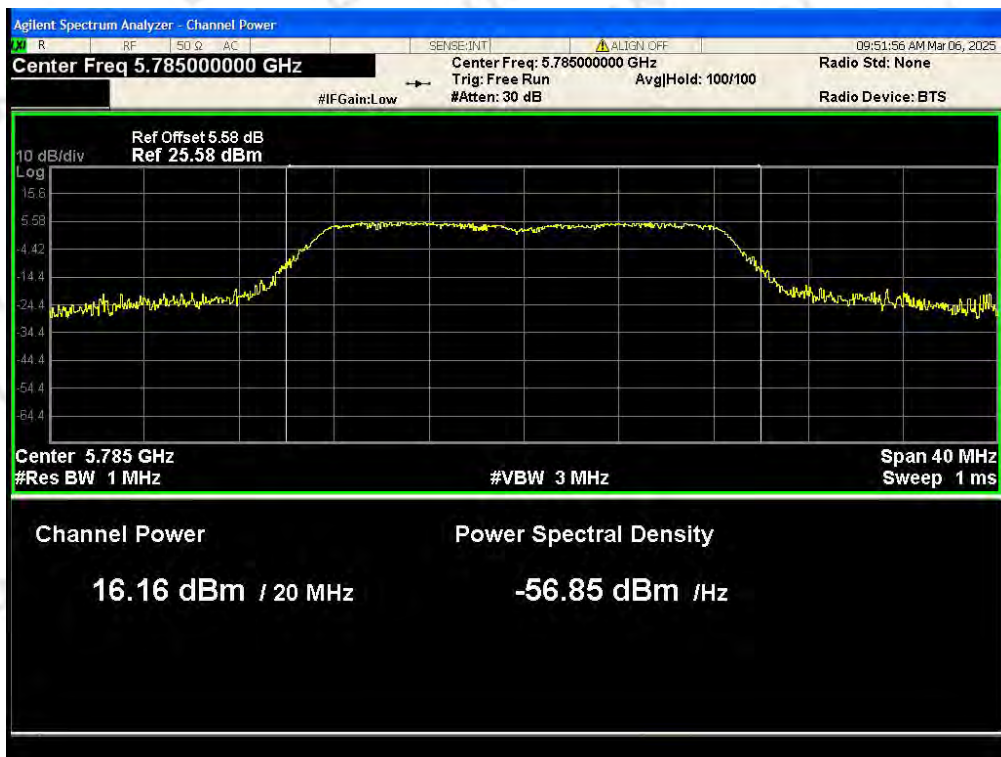
Power NVNT 802.11ac80 5755MHz Ant1



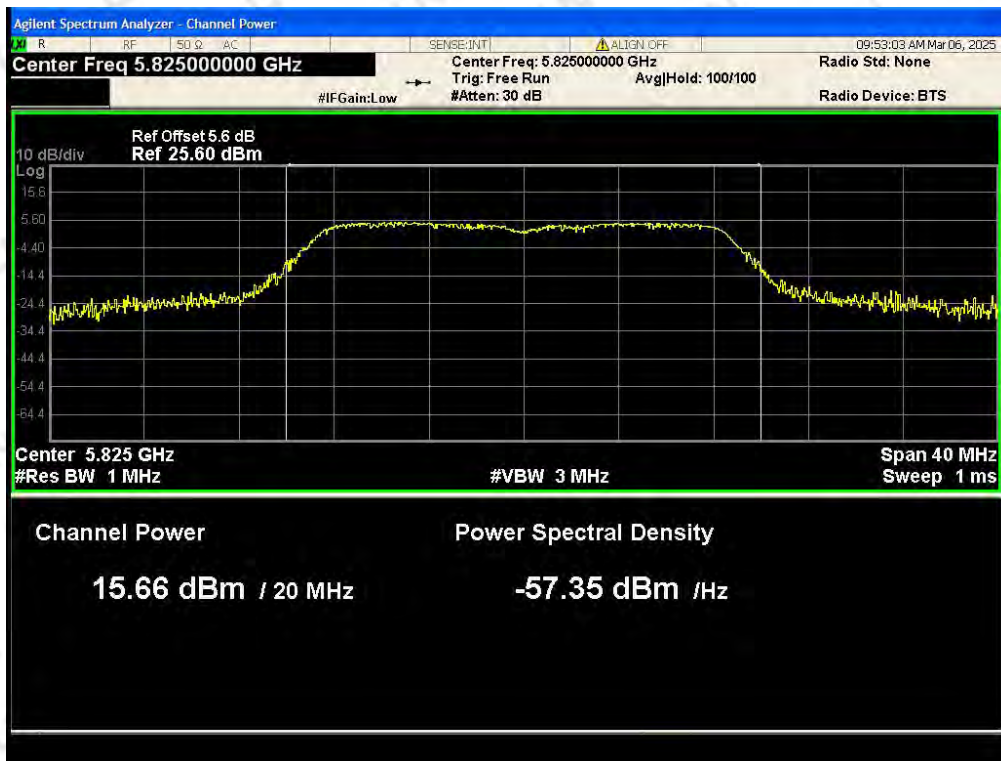
Power NVNT 802.11n(HT20) 5745MHz Ant1



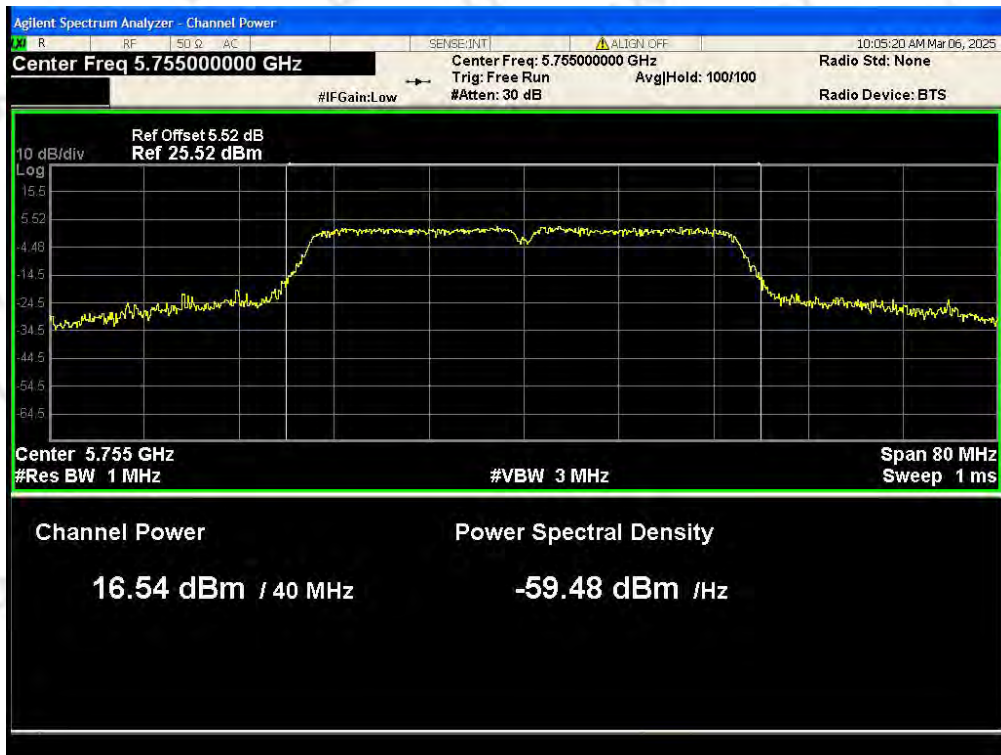
Power NVNT 802.11n(HT20) 5785MHz Ant1



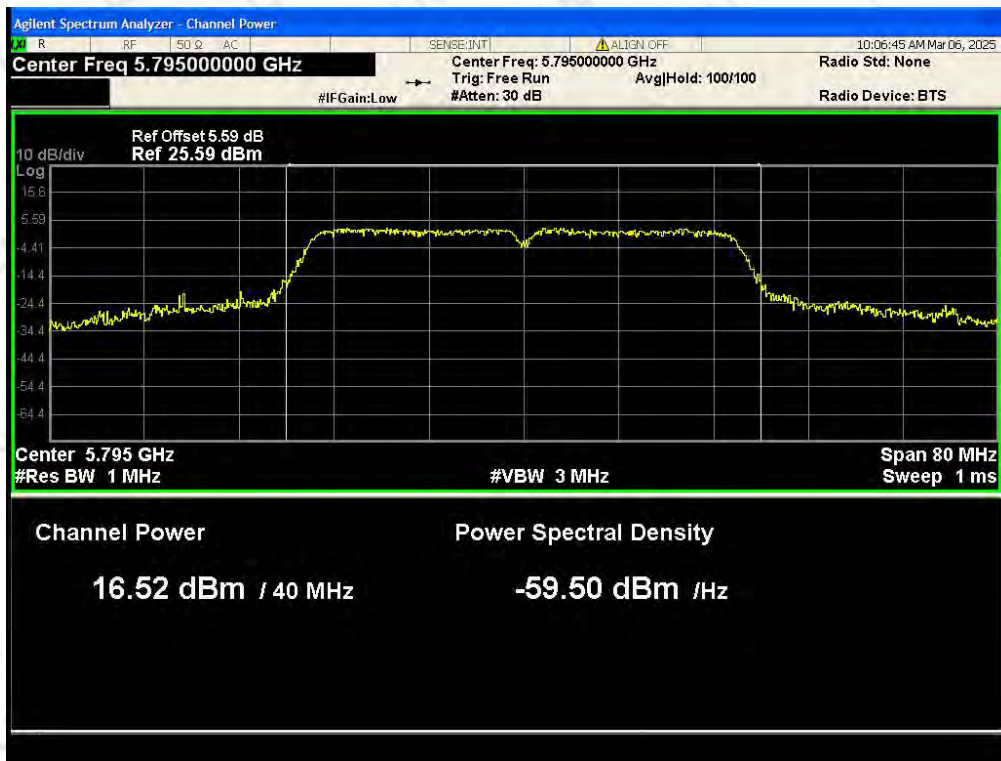
Power NVNT 802.11n(HT20) 5825MHz Ant1



Power NVNT 802.11n(HT40) 5755MHz Ant1



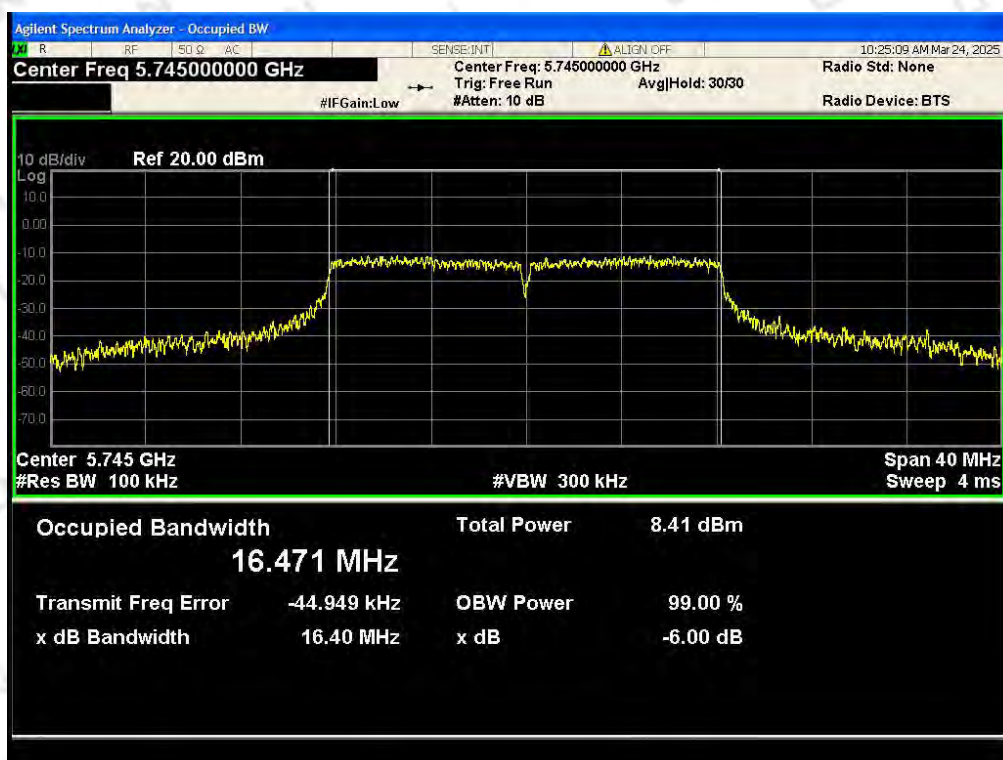
Power NVNT 802.11n(HT40) 5795MHz Ant1



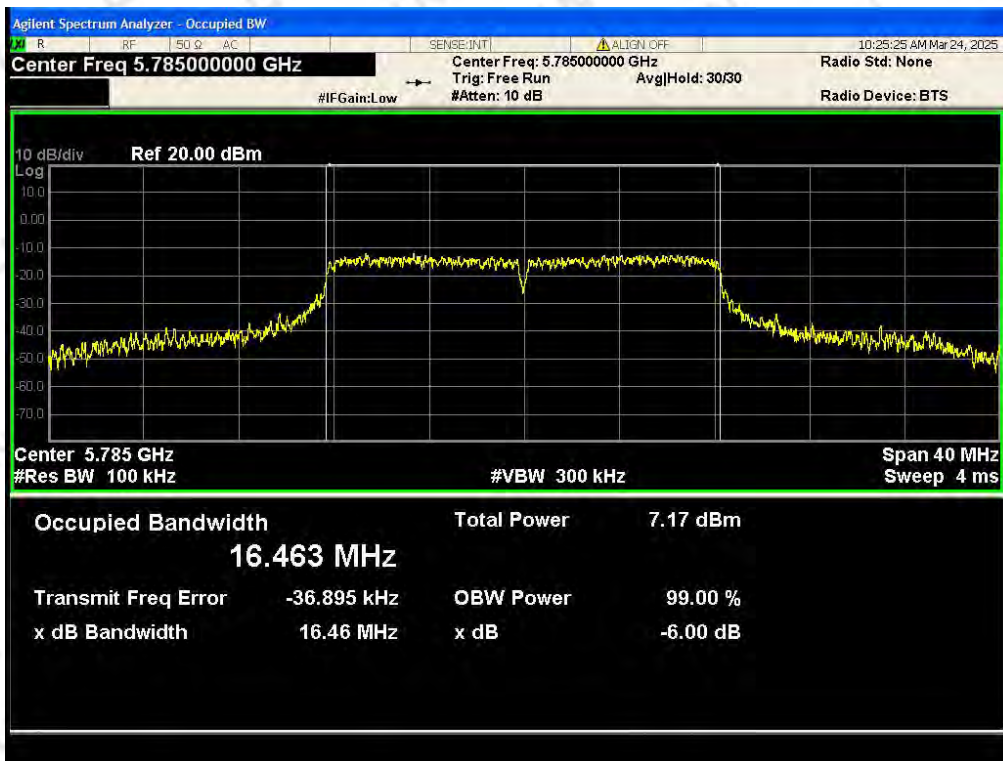
-6 dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.40	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.46	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.50	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	17.72	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.68	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.65	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	36.38	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.36	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.67	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.63	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.60	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.63	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.35	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.38	0.5	Pass

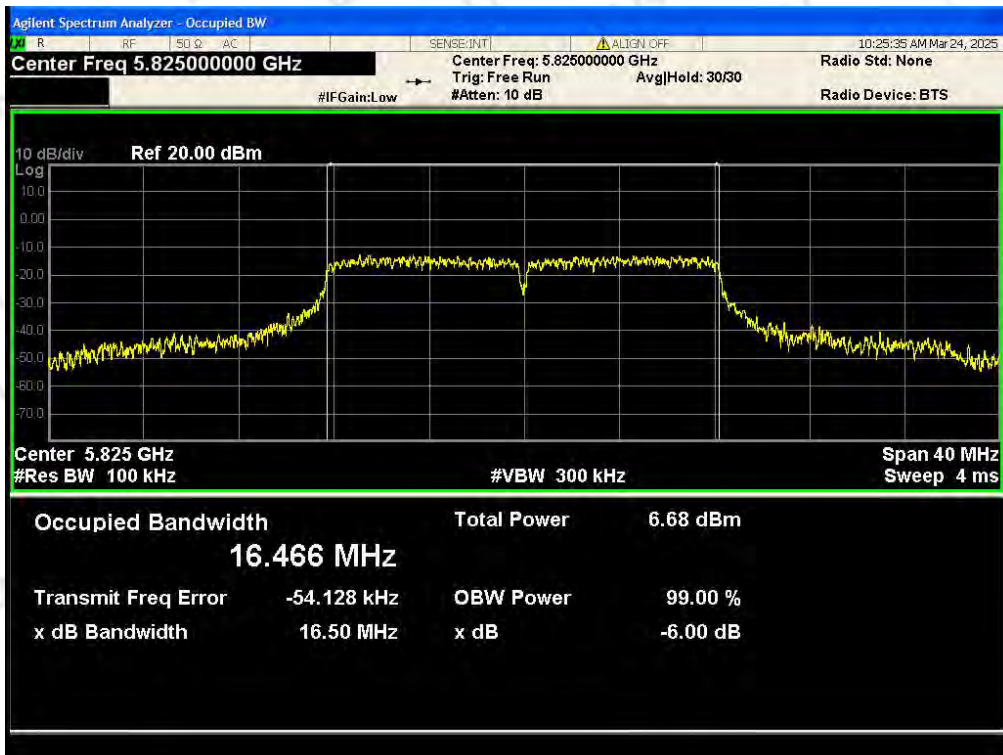
OBW NVNT 802.11a 5745MHz Ant1



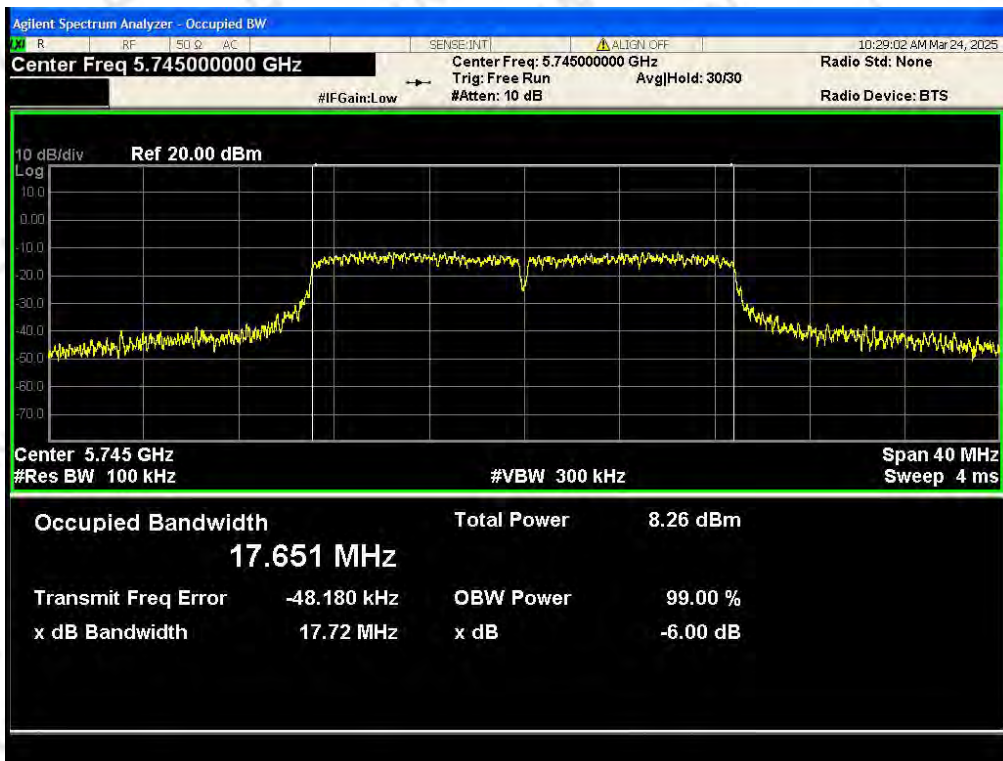
OBW NVNT 802.11a 5785MHz Ant1



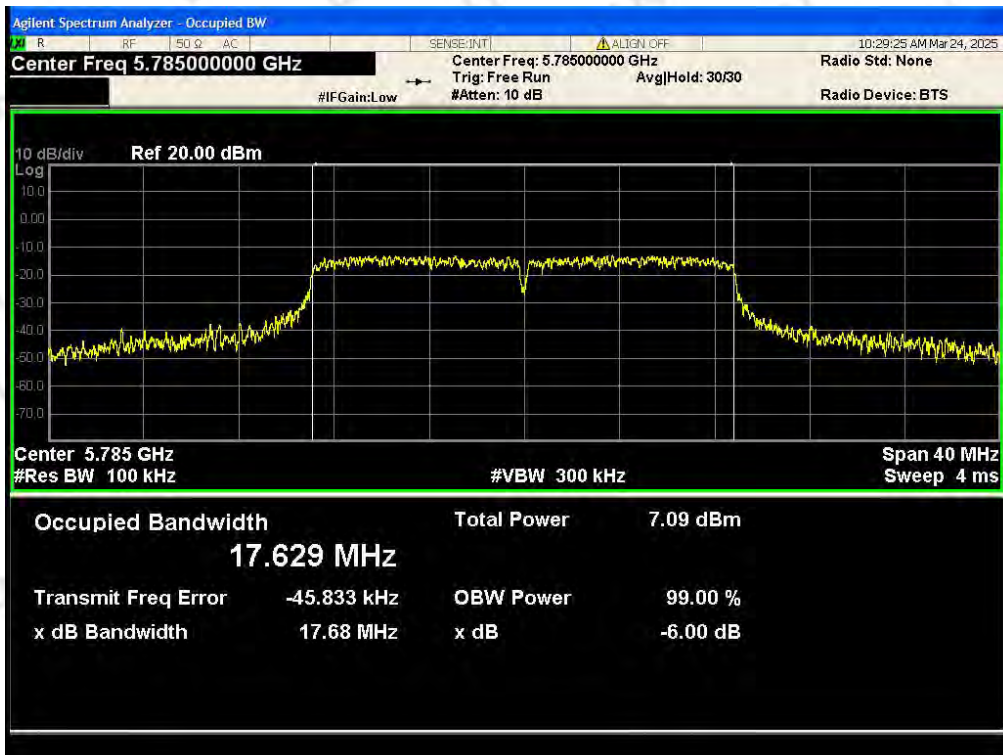
OBW NVNT 802.11a 5825MHz Ant1



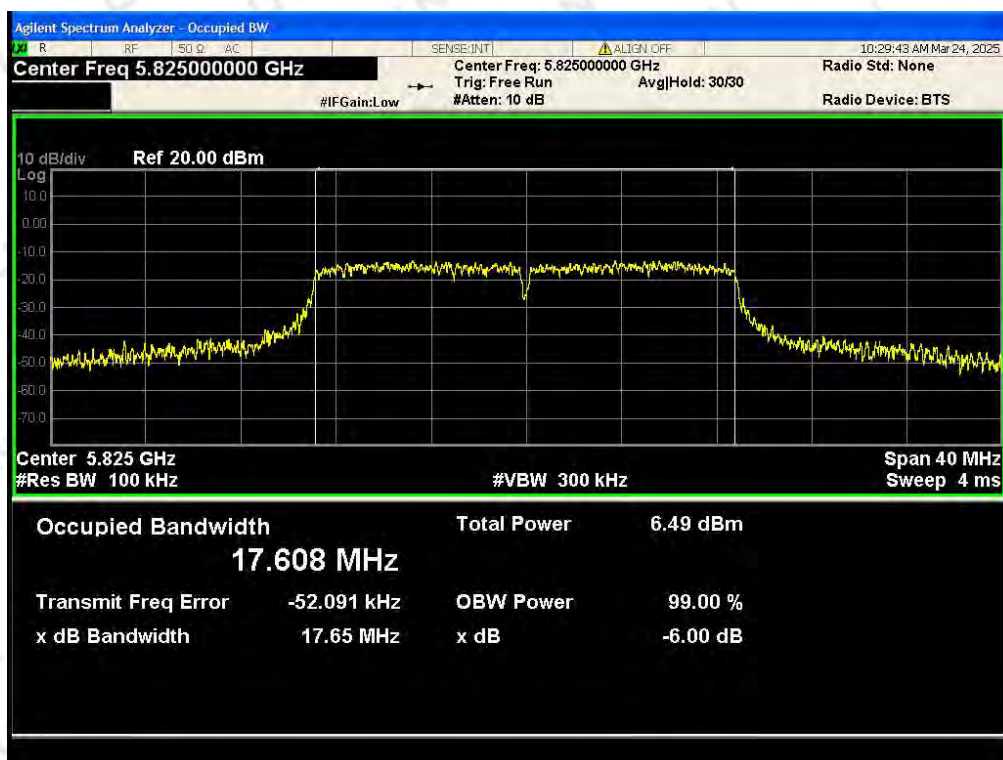
OBW NVNT 802.11ac20 5745MHz Ant1



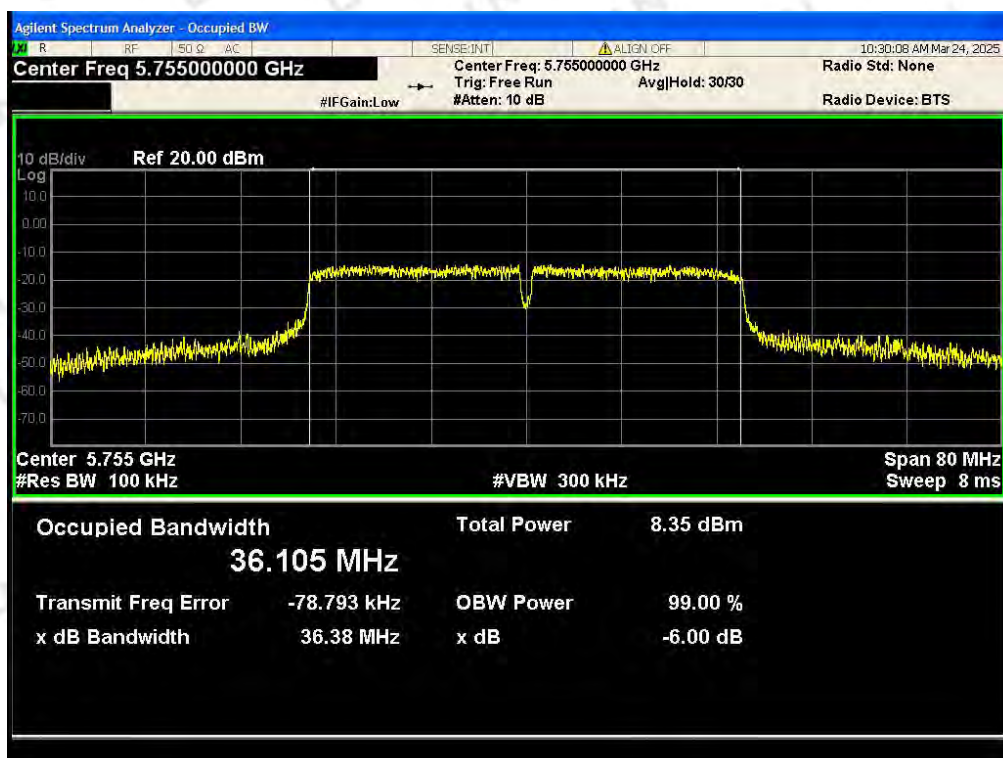
OBW NVNT 802.11ac20 5785MHz Ant1



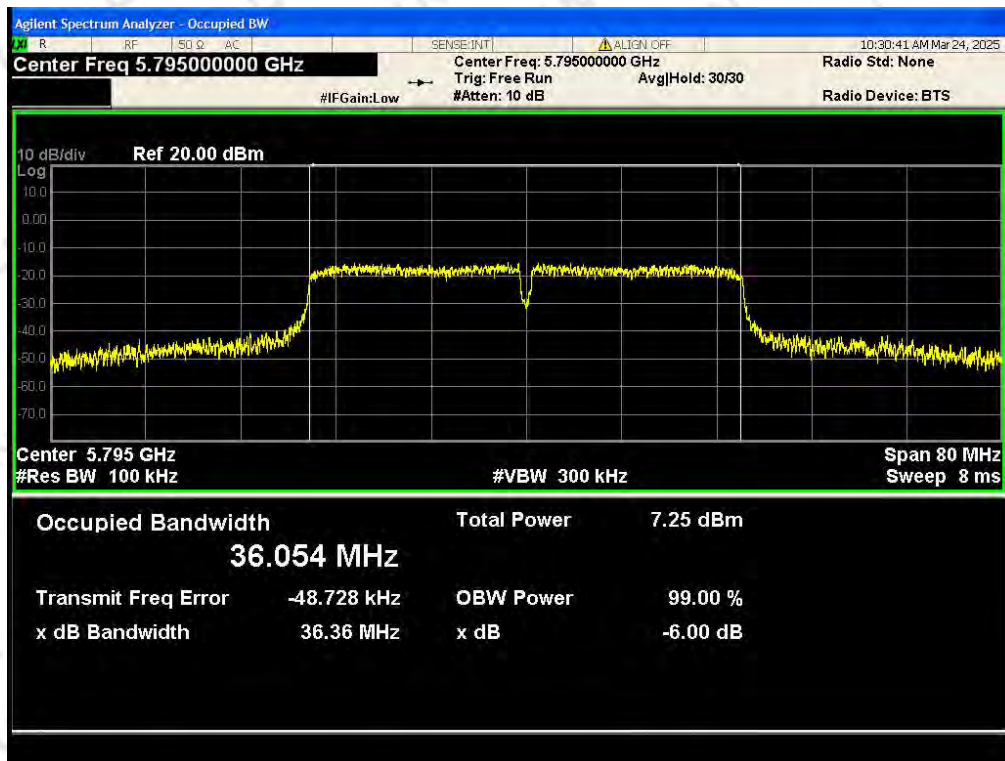
OBW NVNT 802.11ac20 5825MHz Ant1



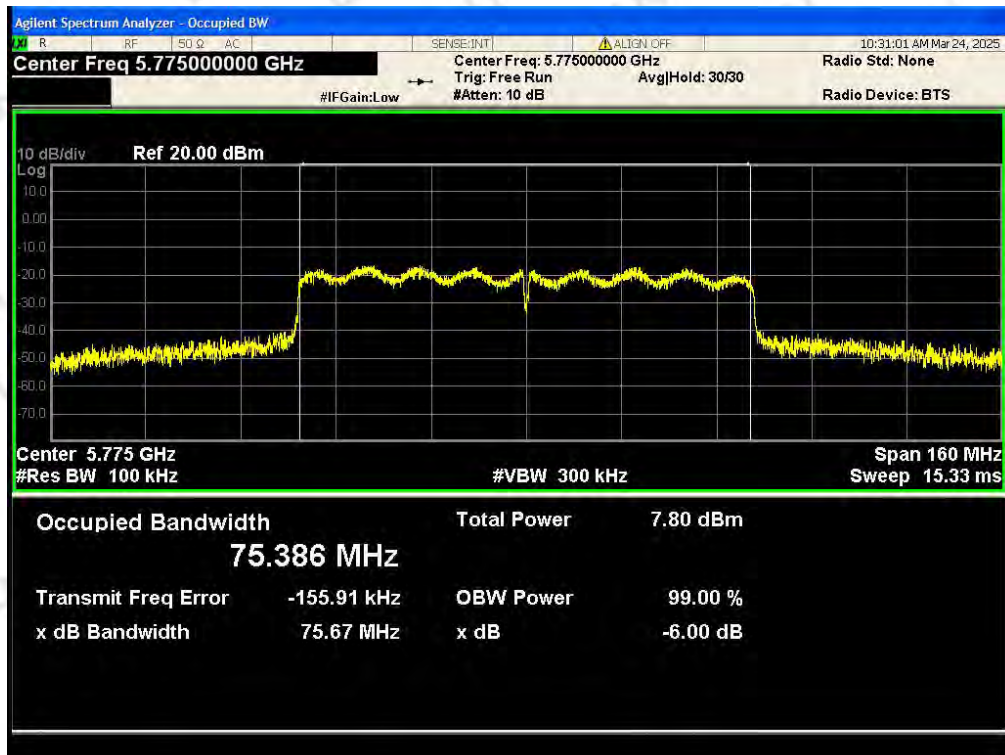
OBW NVNT 802.11ac40 5755MHz Ant1



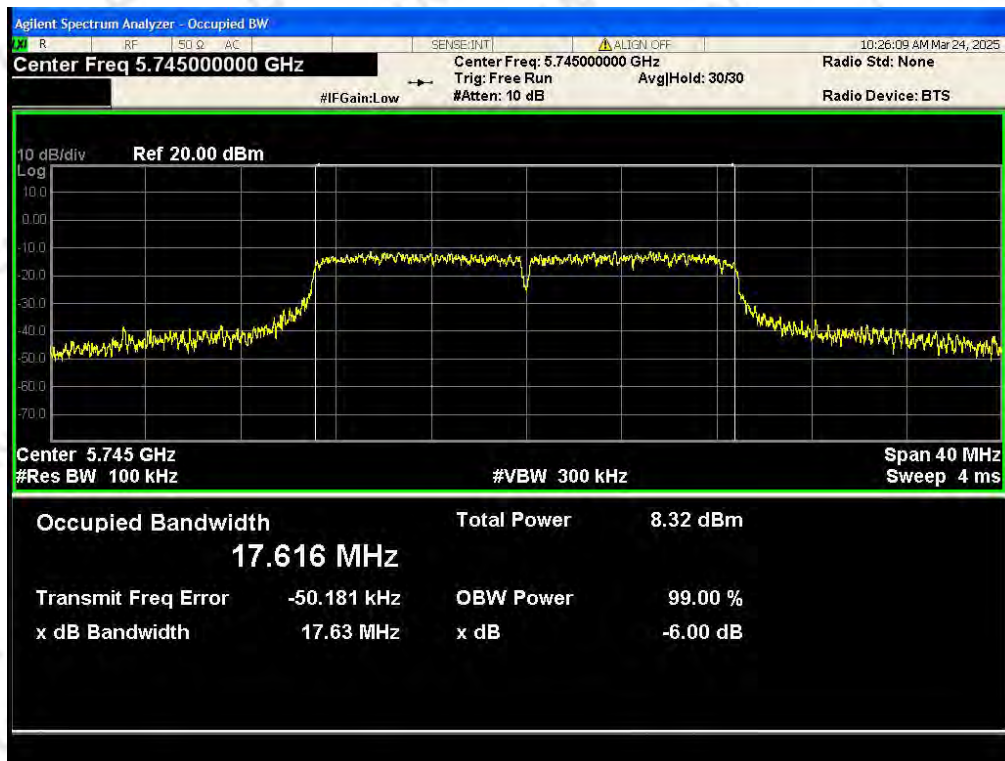
OBW NVNT 802.11ac40 5795MHz Ant1



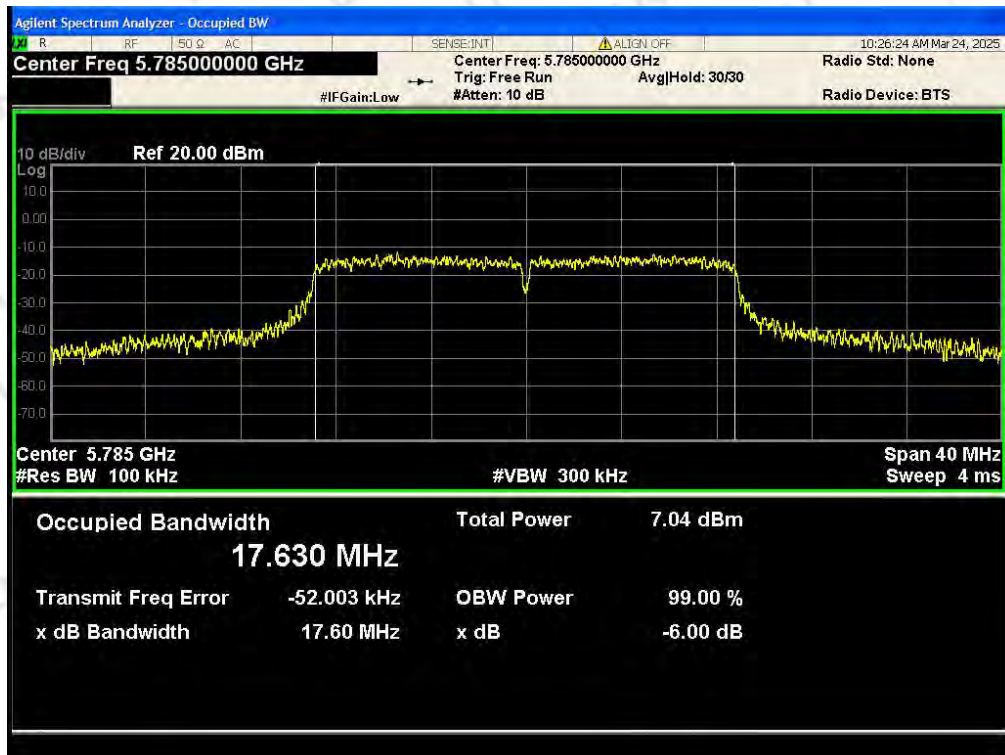
OBW NVNT 802.11ac80 5775MHz Ant1



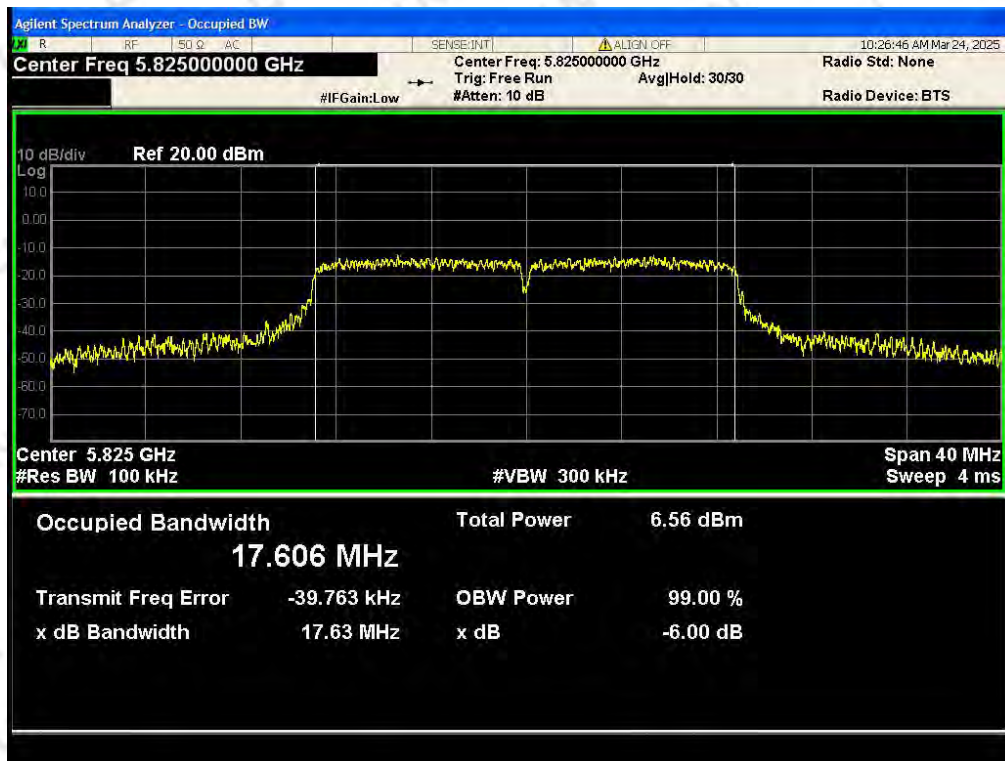
OBW NVNT 802.11n(HT20) 5745MHz Ant1



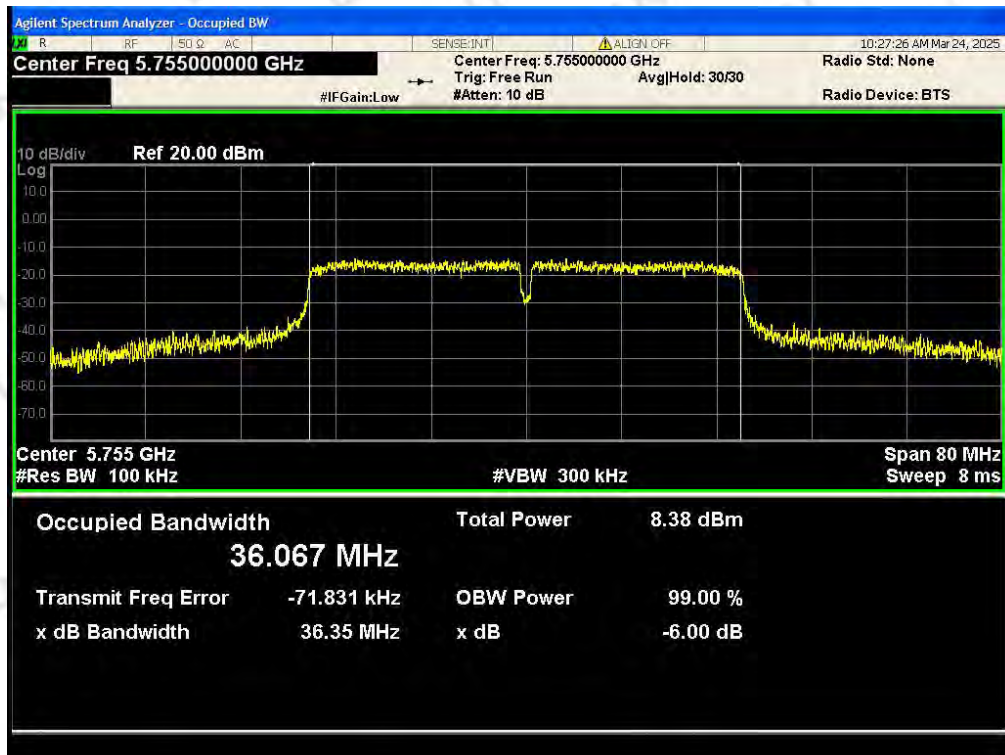
OBW NVNT 802.11n(HT20) 5785MHz Ant1



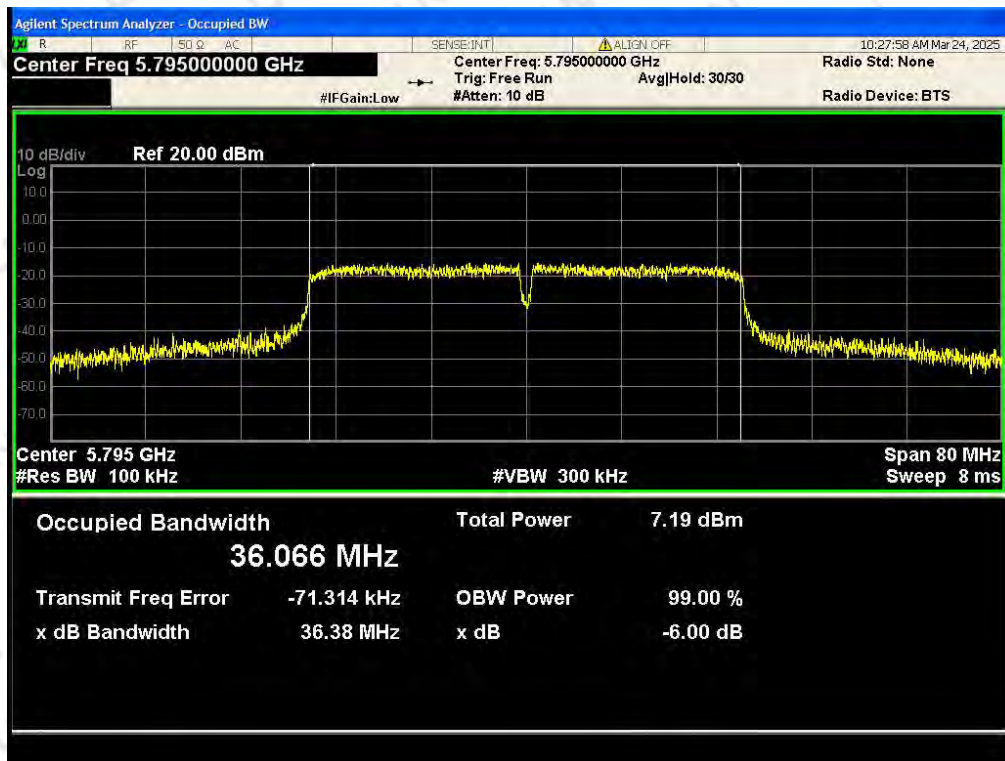
OBW NVNT 802.11n(HT20) 5825MHz Ant1



OBW NVNT 802.11n(HT40) 5755MHz Ant1



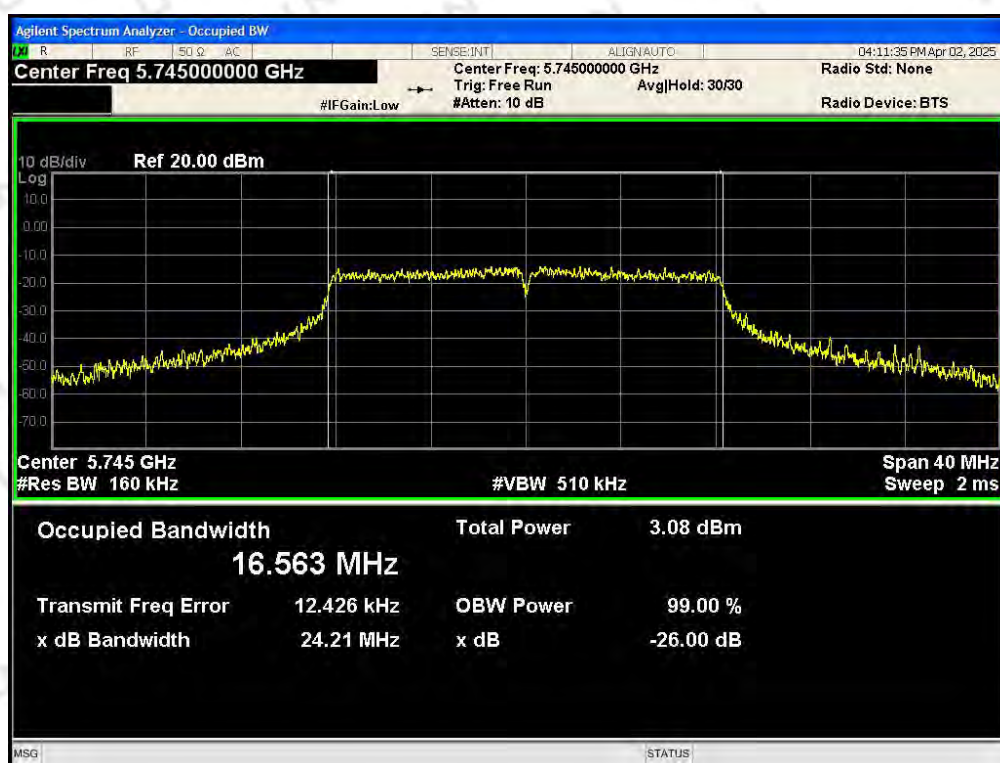
OBW NVNT 802.11n(HT40) 5795MHz Ant1



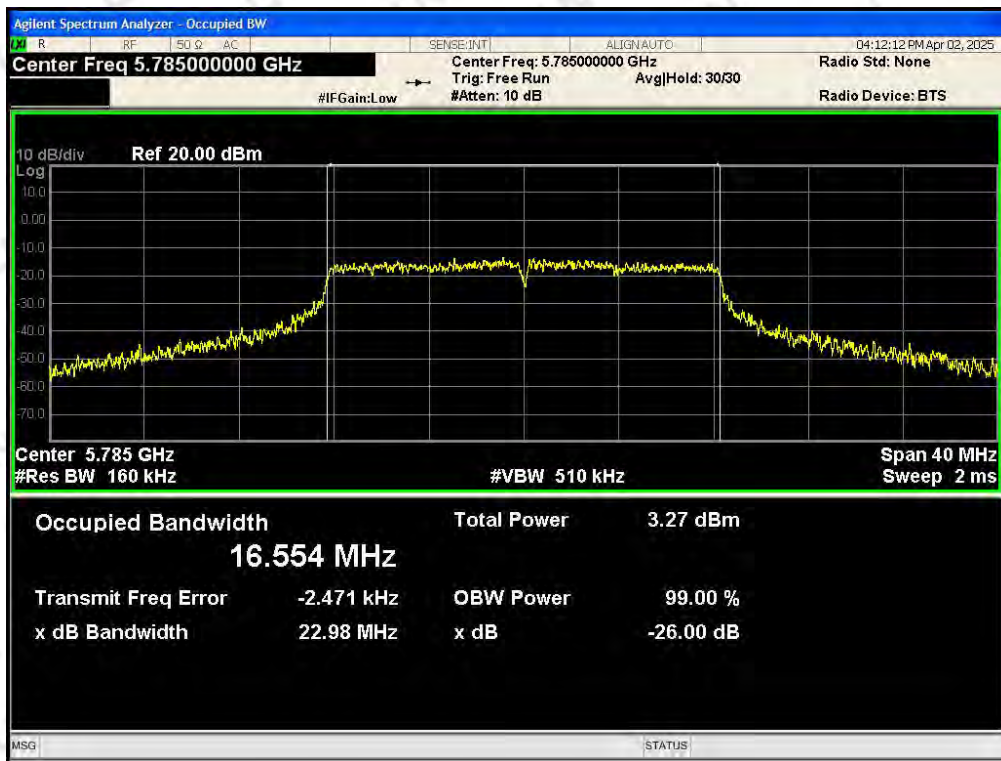
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.563	Pass
NVNT	802.11a	5785	Ant 1	16.554	Pass
NVNT	802.11a	5825	Ant 1	16.508	Pass
NVNT	802.11ac20	5745	Ant 1	17.748	Pass
NVNT	802.11ac20	5785	Ant 1	17.747	Pass
NVNT	802.11ac20	5825	Ant 1	17.760	Pass
NVNT	802.11ac40	5755	Ant 1	36.013	Pass
NVNT	802.11ac40	5795	Ant 1	36.071	Pass
NVNT	802.11ac80	5775	Ant 1	75.651	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.735	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.031	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.057	Pass

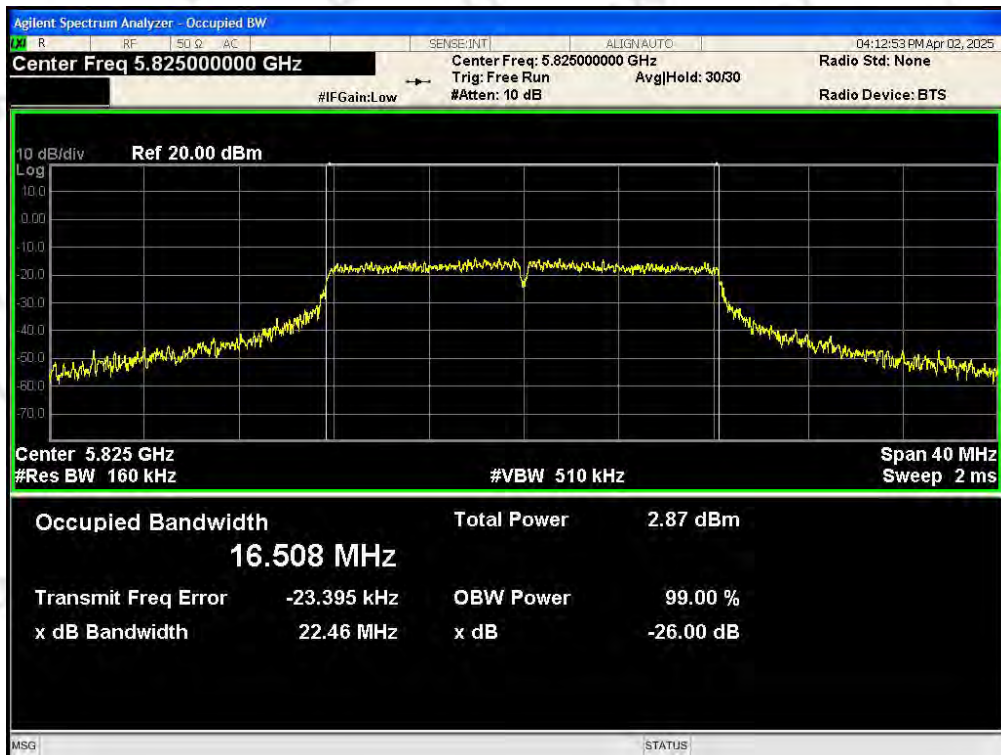
OBW NVNT 802.11a 5745MHz Ant1



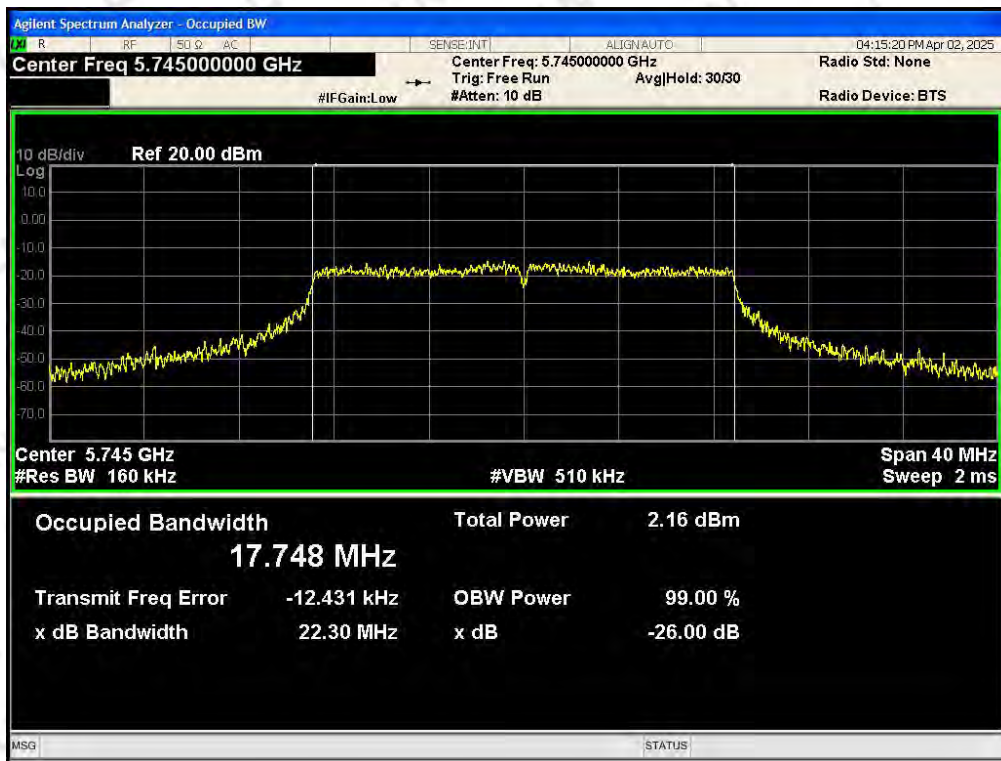
OBW NVNT 802.11a 5785MHz Ant1



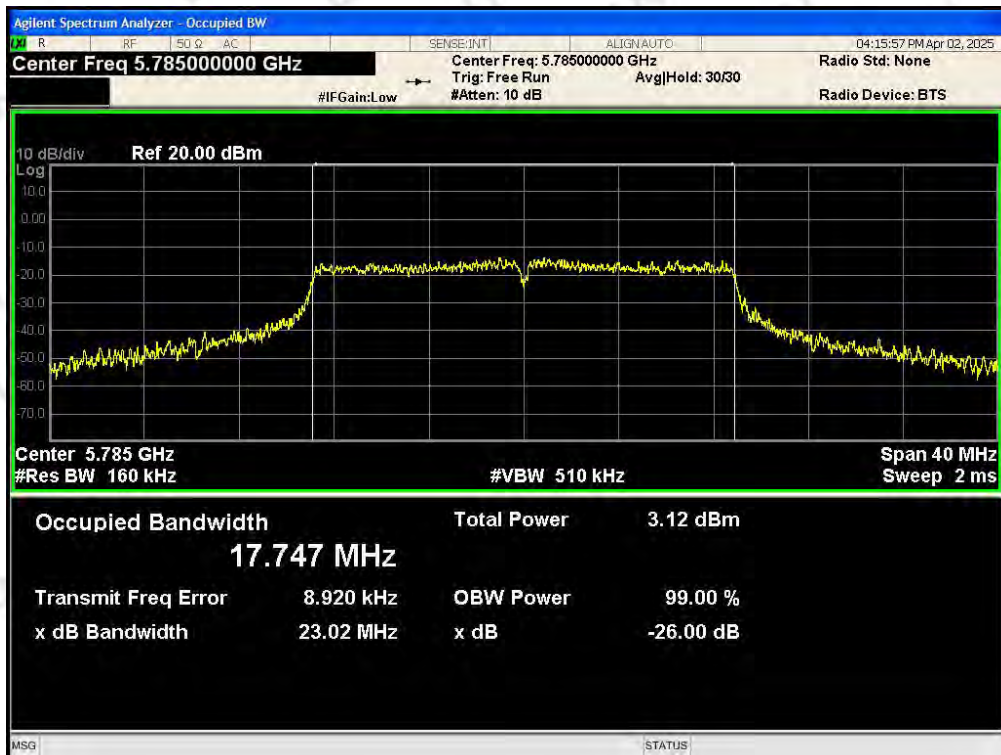
OBW NVNT 802.11a 5825MHz Ant1



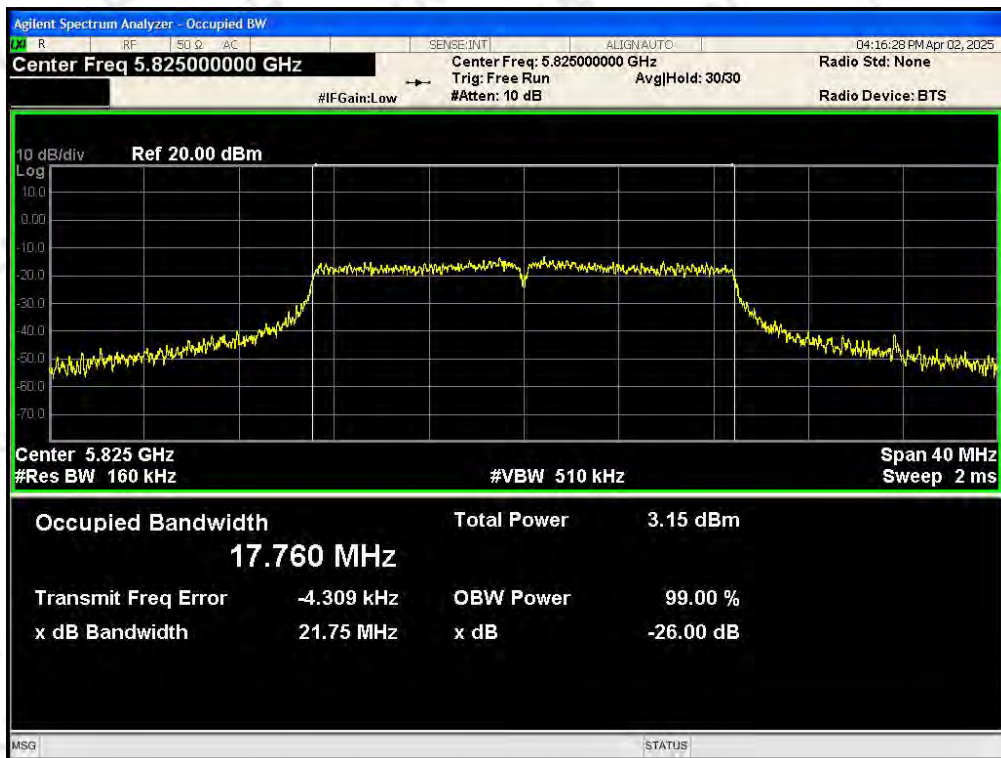
OBW NVNT 802.11ac20 5745MHz Ant1



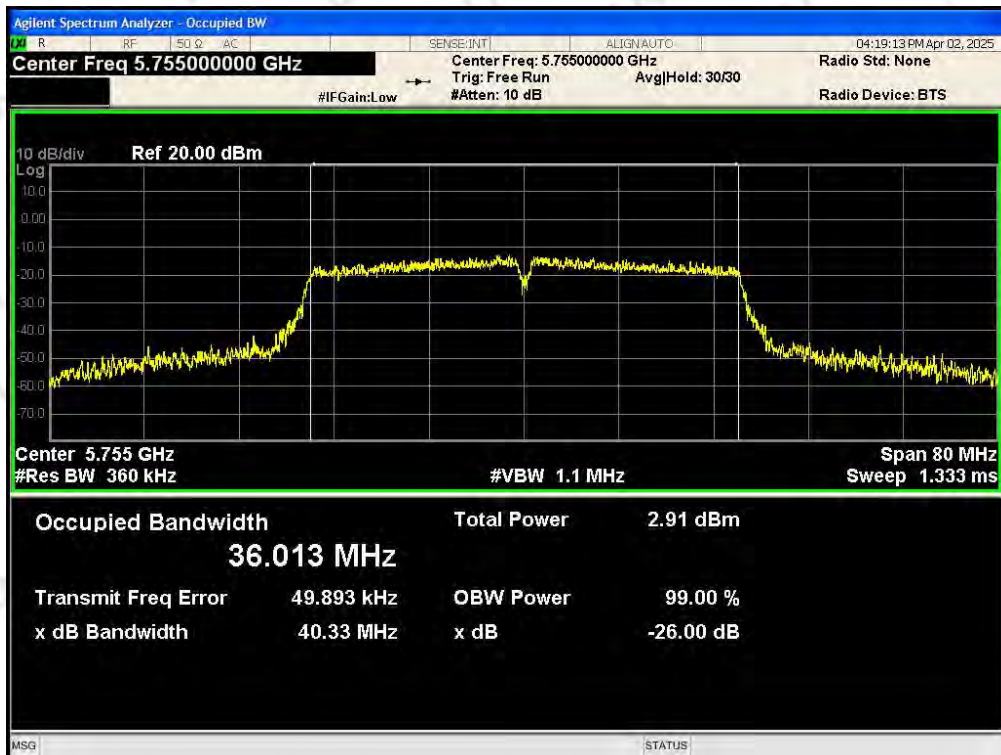
OBW NVNT 802.11ac20 5785MHz Ant1



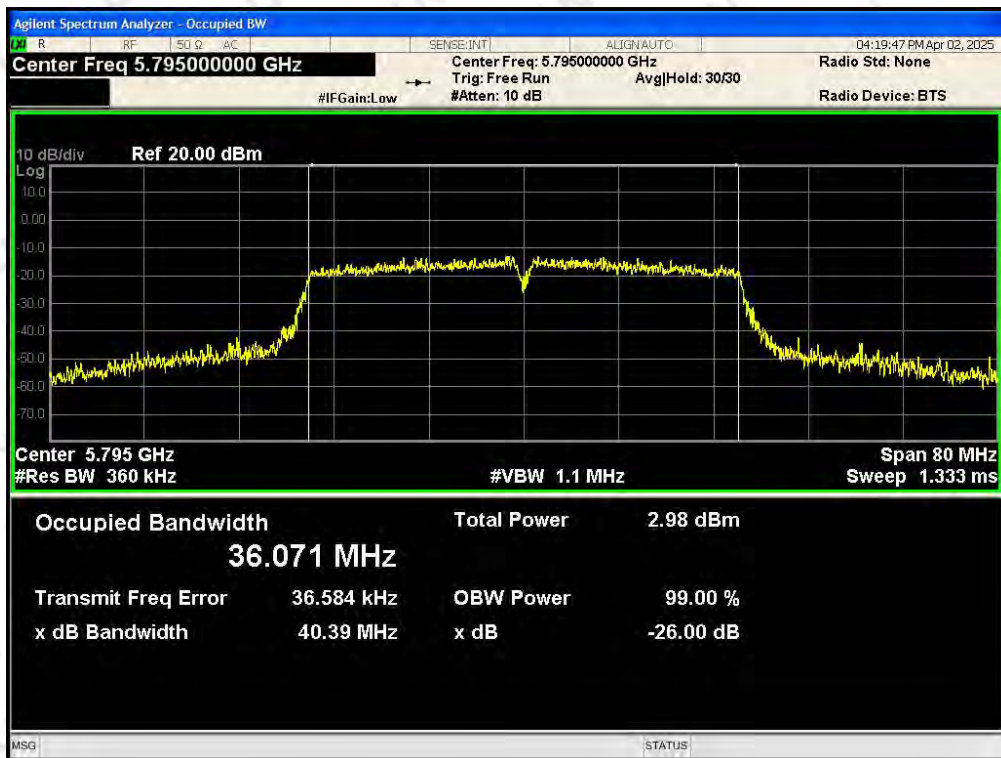
OBW NVNT 802.11ac20 5825MHz Ant1



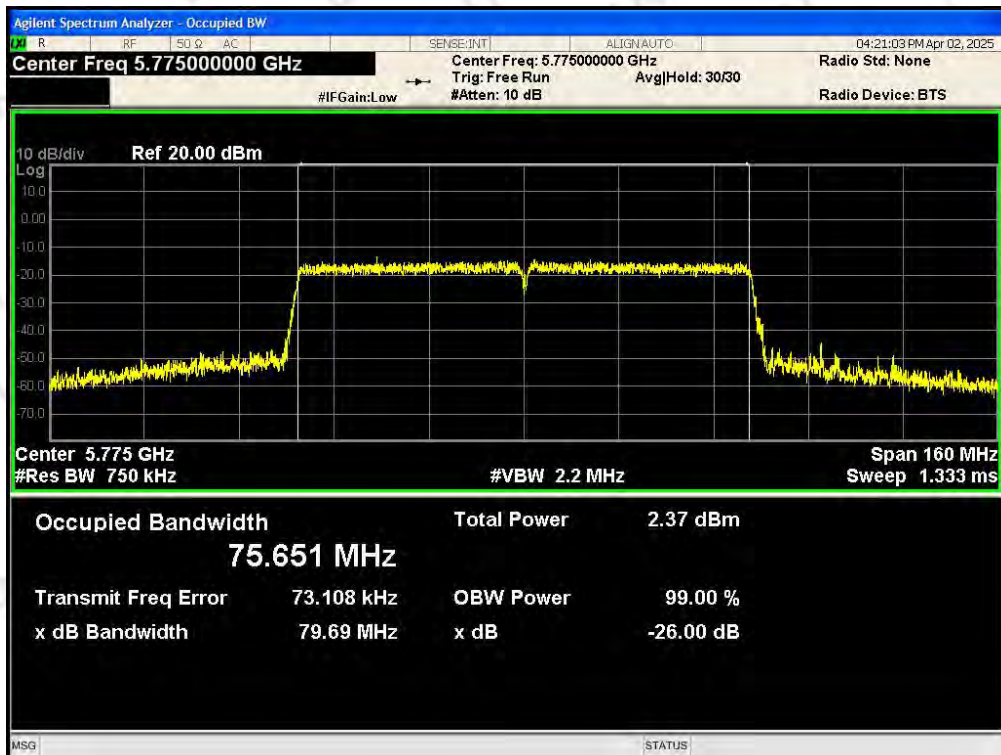
OBW NVNT 802.11ac40 5755MHz Ant1



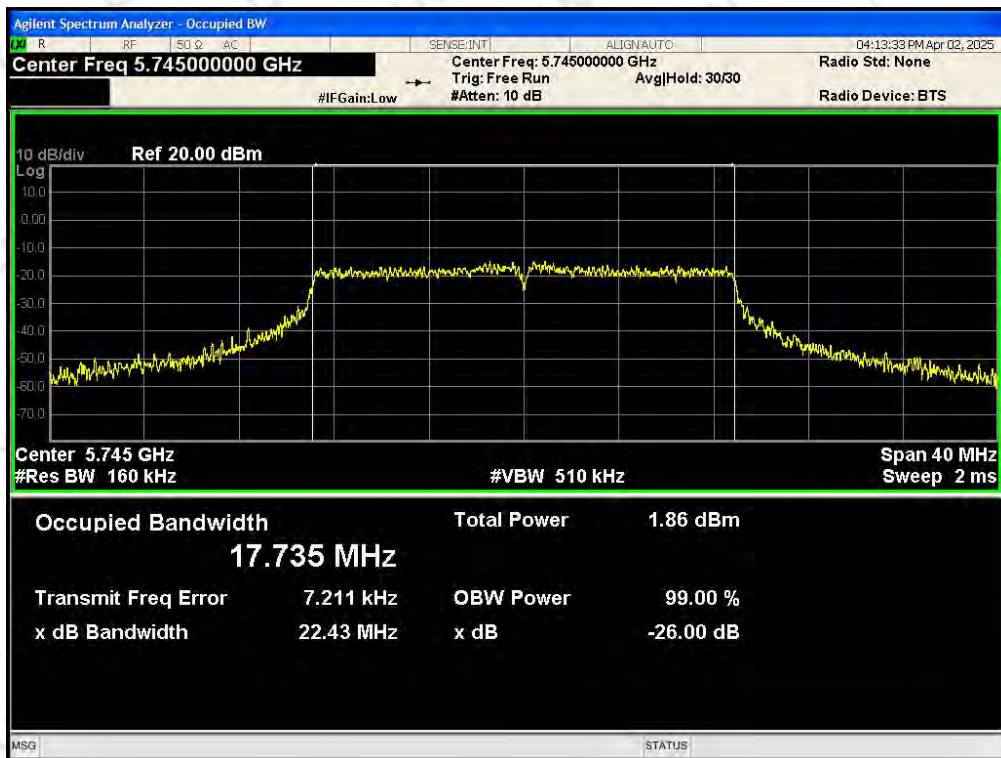
OBW NVNT 802.11ac40 5795MHz Ant1



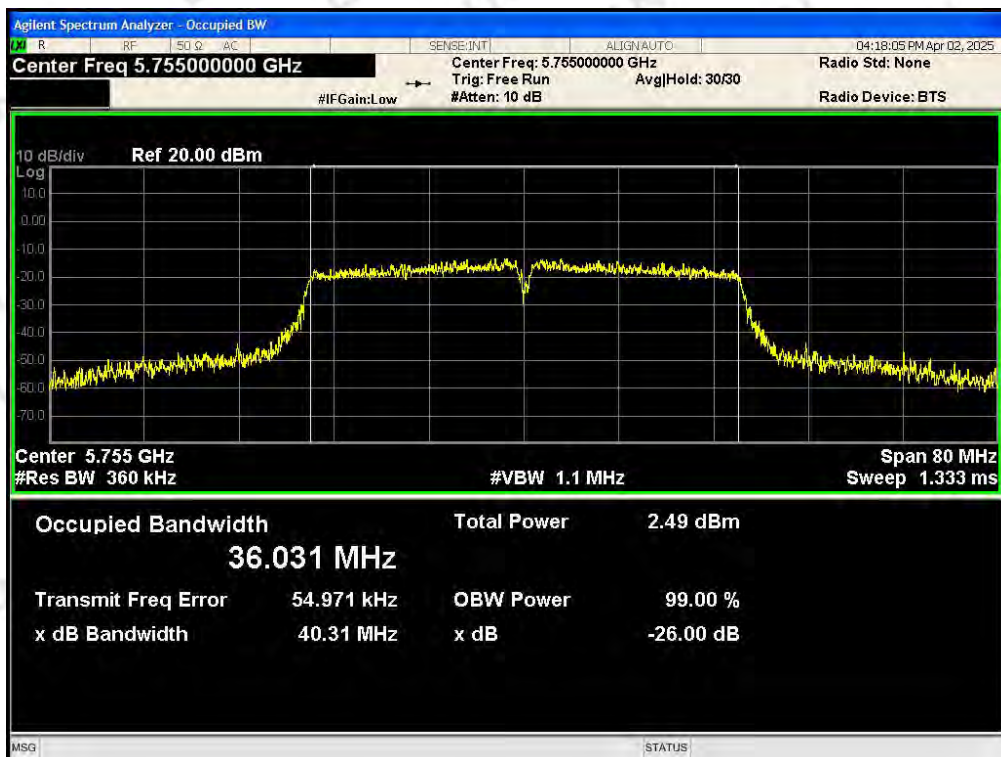
OBW NVNT 802.11ac80 5775MHz Ant1



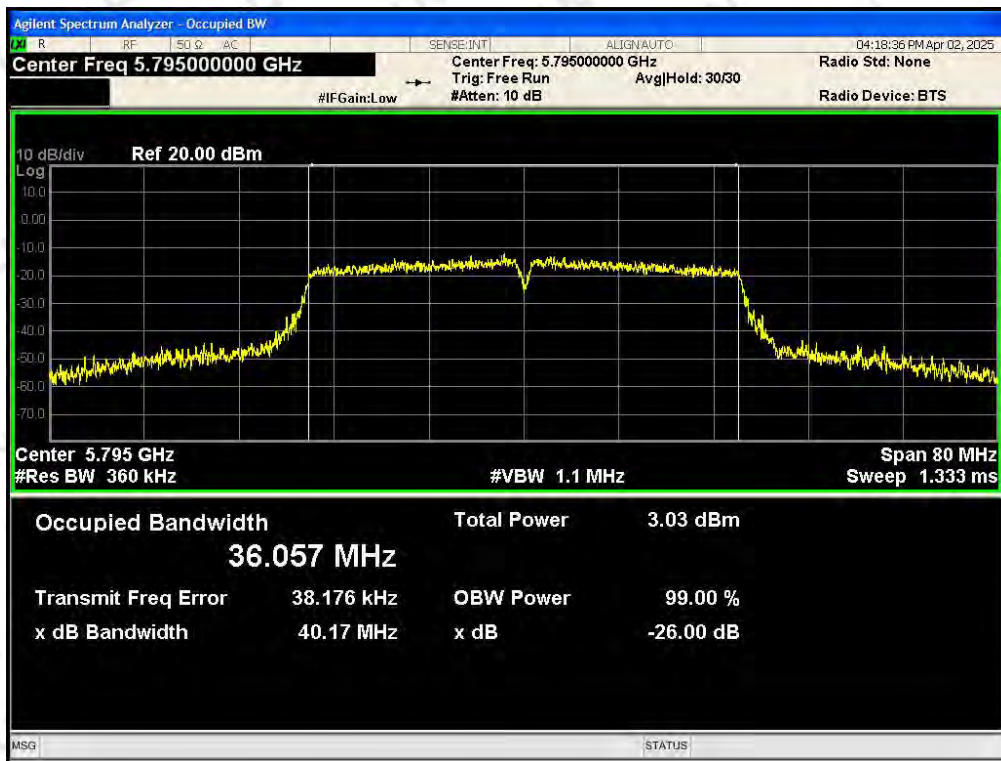
OBW NVNT 802.11n(HT20) 5745MHz Ant1



OBW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1



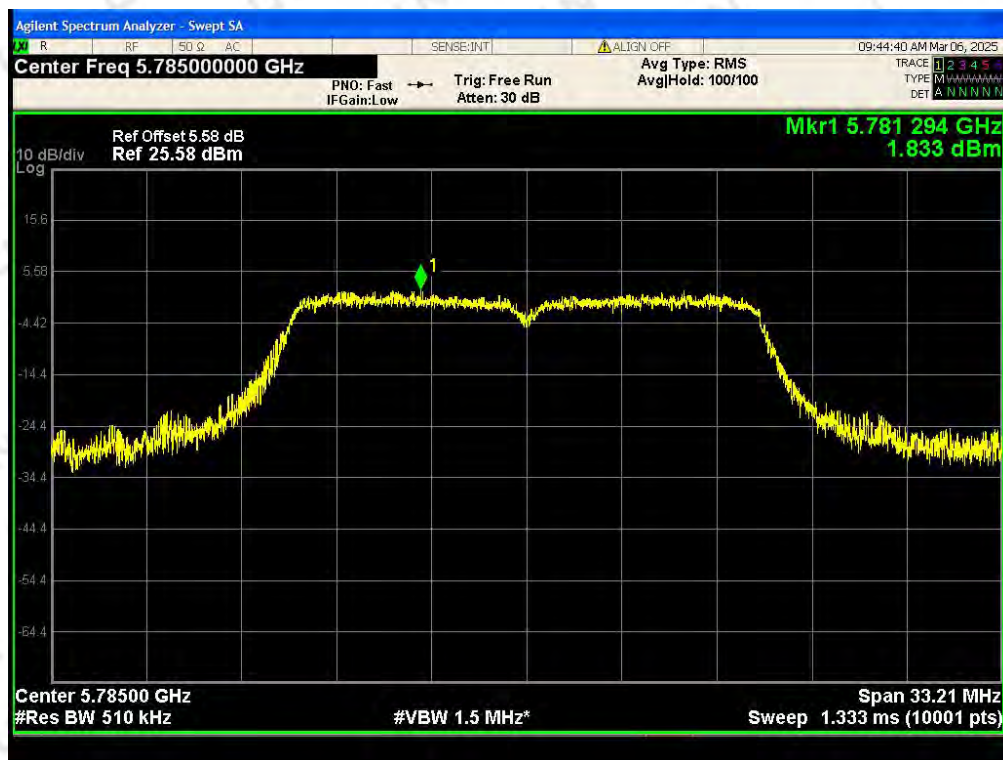
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	2.005	0	2.005	30	Pass
NVNT	802.11a	5785	Ant 1	1.833	0	1.833	30	Pass
NVNT	802.11a	5825	Ant 1	1.534	0	1.534	30	Pass
NVNT	802.11ac20	5745	Ant 1	1.591	0	1.591	30	Pass
NVNT	802.11ac20	5785	Ant 1	2.094	0	2.094	30	Pass
NVNT	802.11ac20	5825	Ant 1	2.004	0	2.004	30	Pass
NVNT	802.11ac40	5755	Ant 1	-1.046	0	-1.046	30	Pass
NVNT	802.11ac40	5795	Ant 1	-0.606	0	-0.606	30	Pass
NVNT	802.11ac80	5755	Ant 1	-3.106	0	-3.106	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	2.02	0	2.02	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	2.4	0	2.4	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	1.631	0	1.631	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-0.837	0	-0.837	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-0.68	0	-0.68	30	Pass

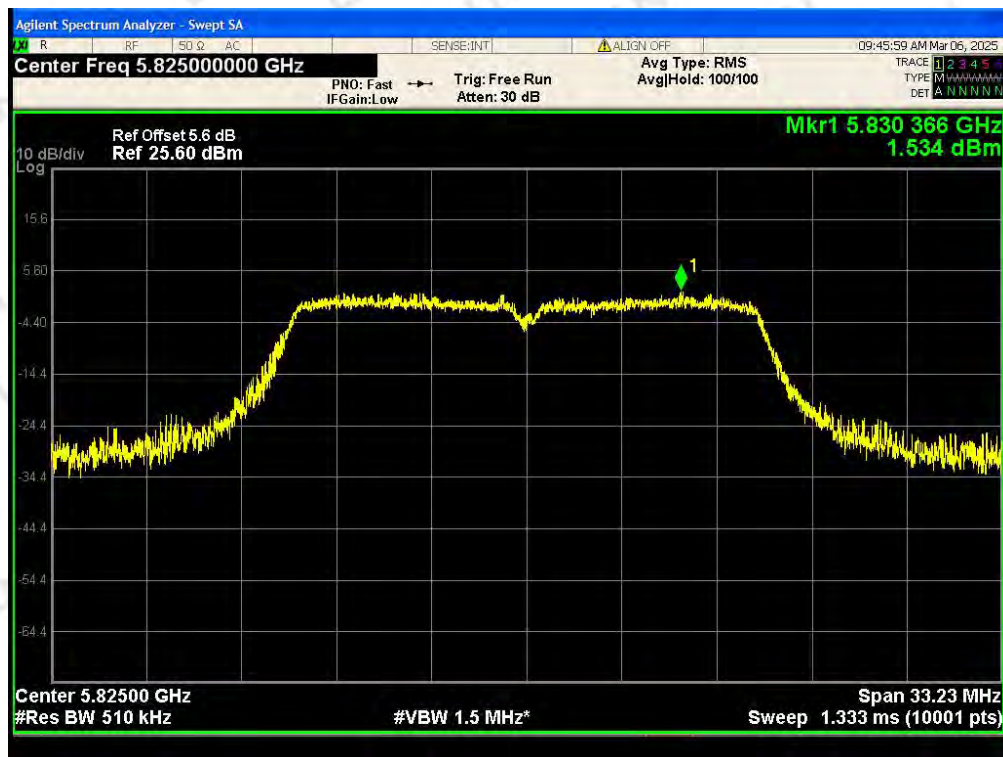
PSD NVNT 802.11a 5745MHz Ant1



PSD NVNT 802.11a 5785MHz Ant1



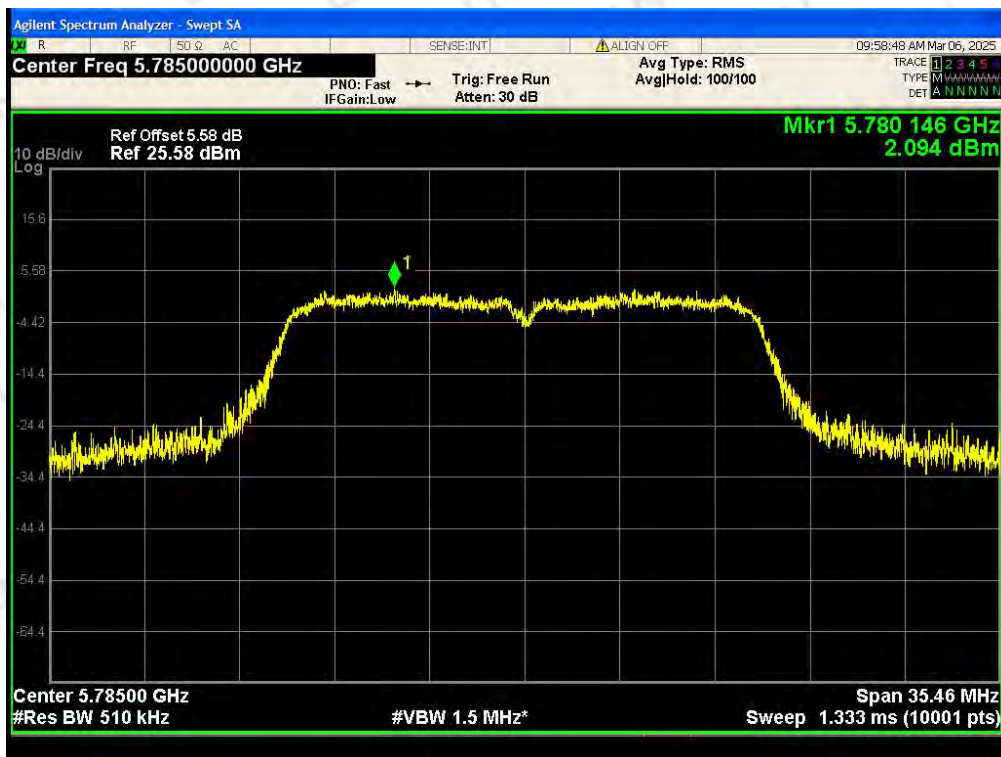
PSD NVNT 802.11a 5825MHz Ant1



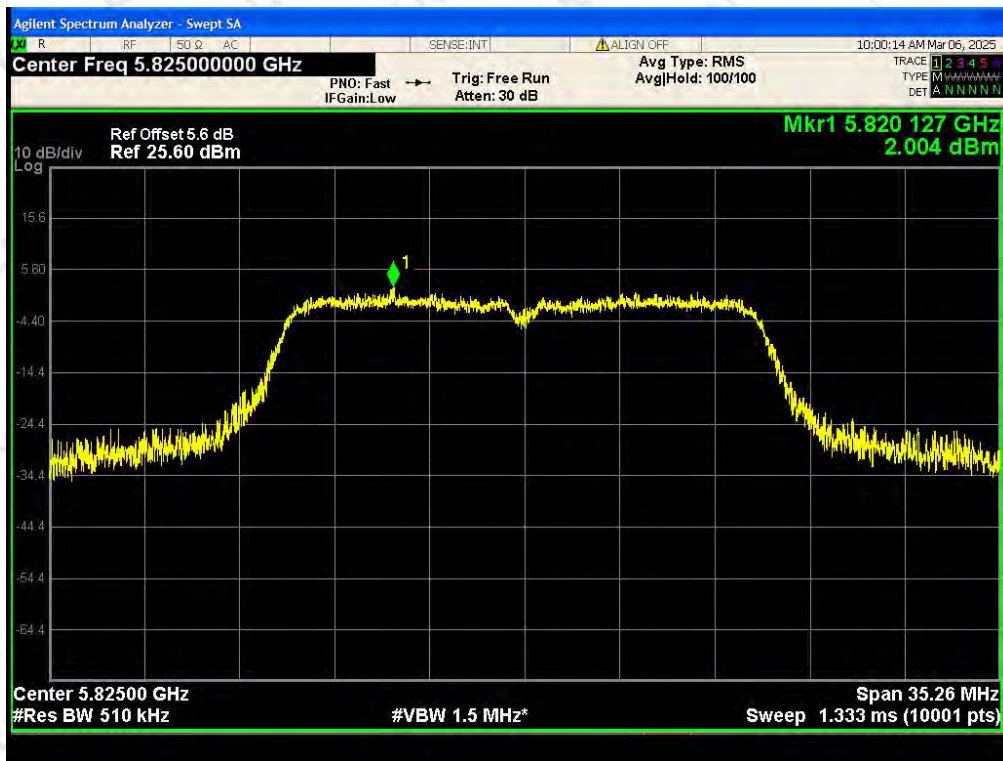
PSD NVNT 802.11ac20 5745MHz Ant1



PSD NVNT 802.11ac20 5785MHz Ant1



PSD NVNT 802.11ac20 5825MHz Ant1



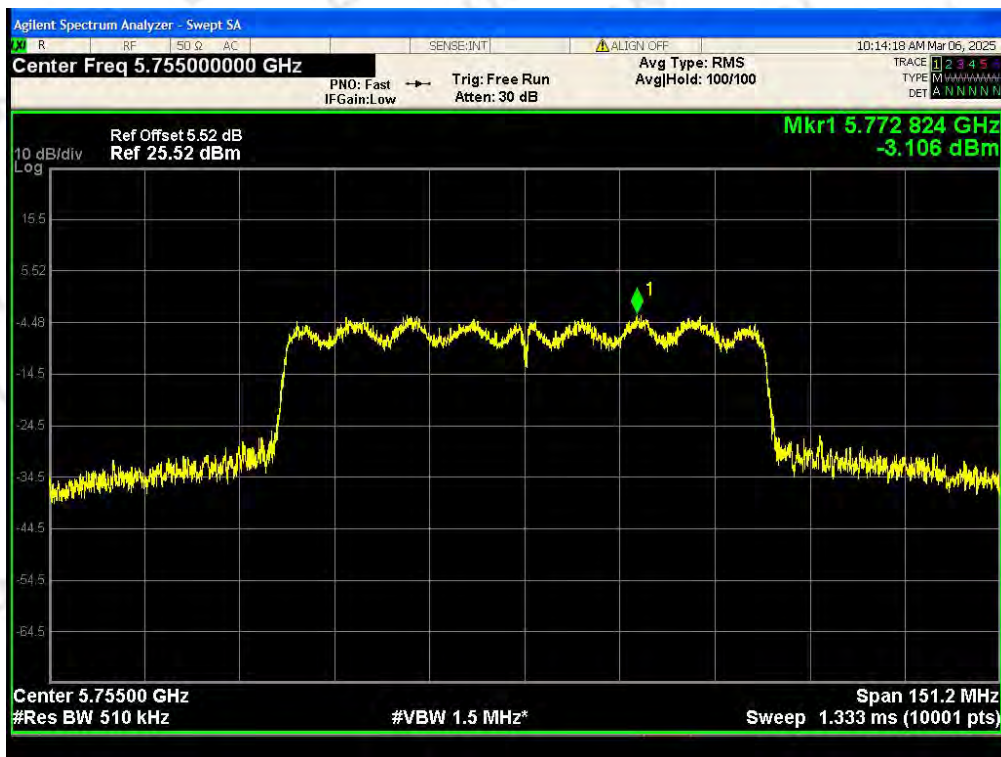
PSD NVNT 802.11ac40 5755MHz Ant1



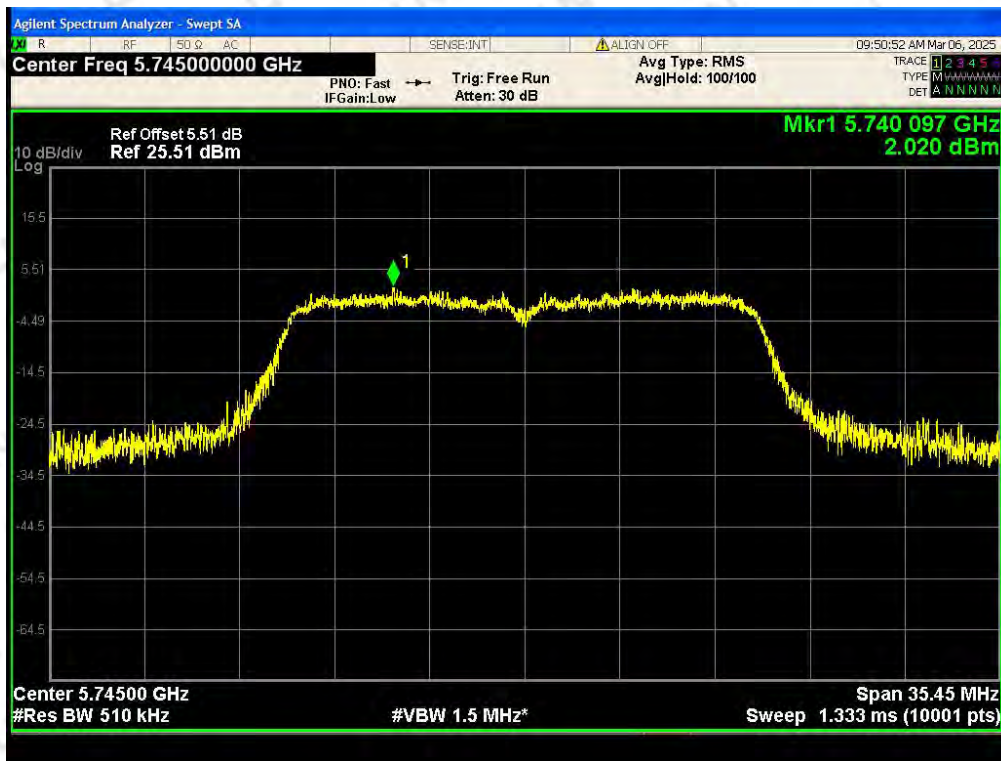
PSD NVNT 802.11ac40 5795MHz Ant1



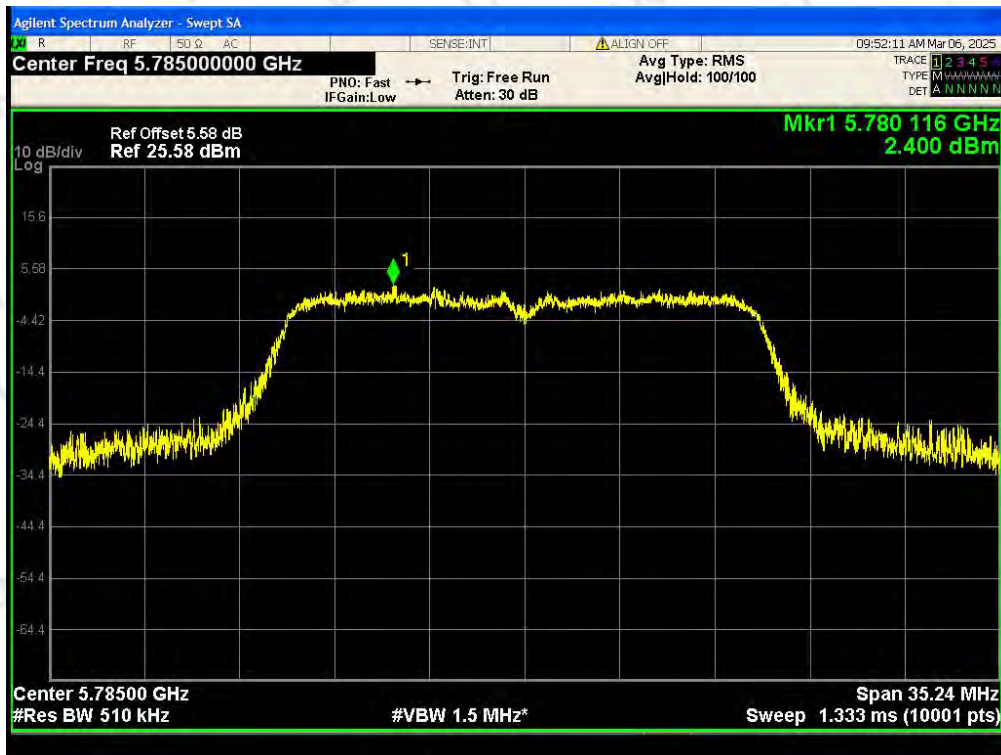
PSD NVNT 802.11ac80 5755MHz Ant1



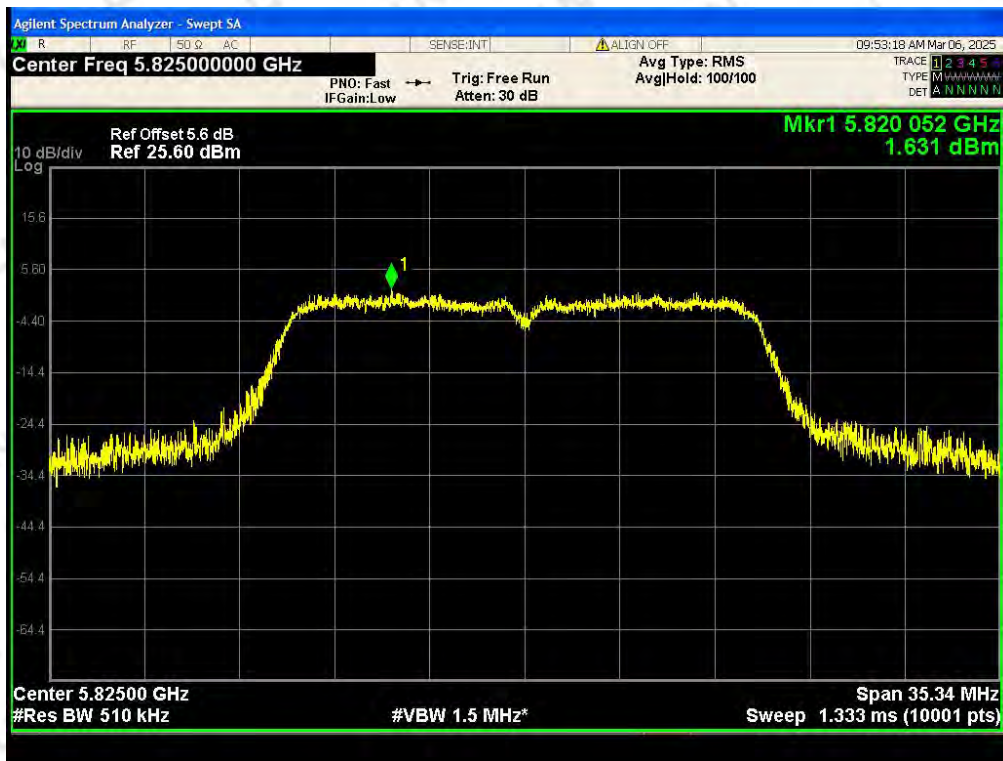
PSD NVNT 802.11n(HT20) 5745MHz Ant1



PSD NVNT 802.11n(HT20) 5785MHz Ant1



PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1



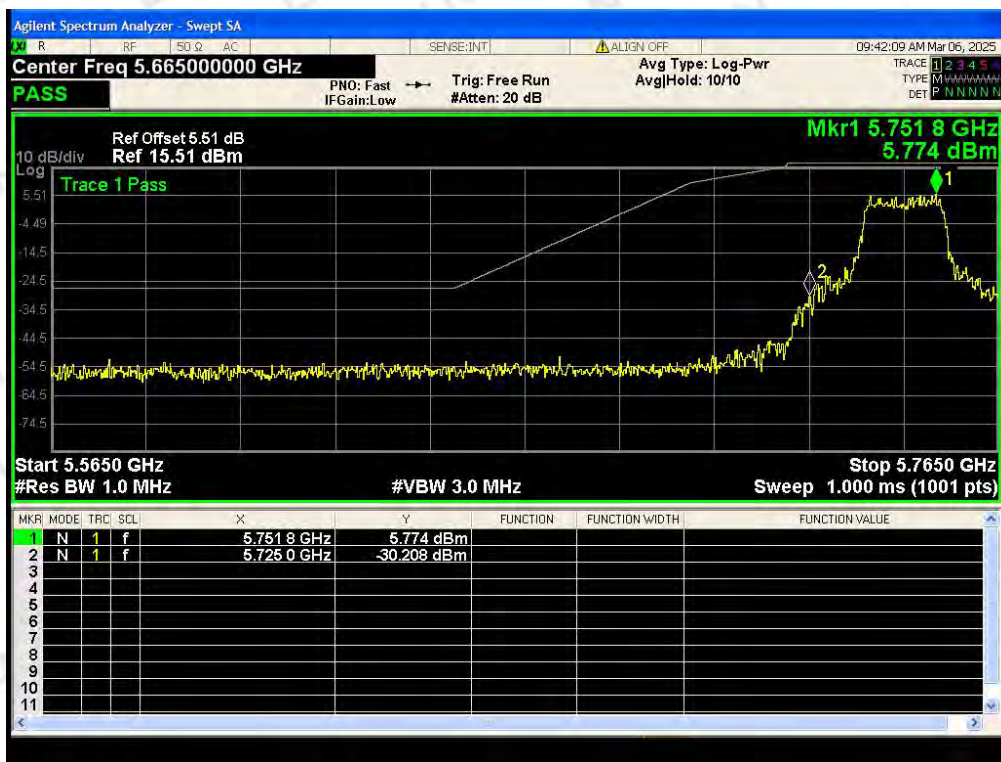
PSD NVNT 802.11n(HT40) 5795MHz Ant1



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-30.2	Pass
NVNT	802.11a	5825	Ant 1	-44.6	Pass
NVNT	802.11ac20	5745	Ant 1	-25.49	Pass
NVNT	802.11ac20	5825	Ant 1	-43.66	Pass
NVNT	802.11ac40	5755	Ant 1	-24.01	Pass
NVNT	802.11ac40	5795	Ant 1	-45.25	Pass
NVNT	802.11ac80	5755	Ant 1	-1.75	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-23.6	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-42.06	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-26.2	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-47.07	Pass

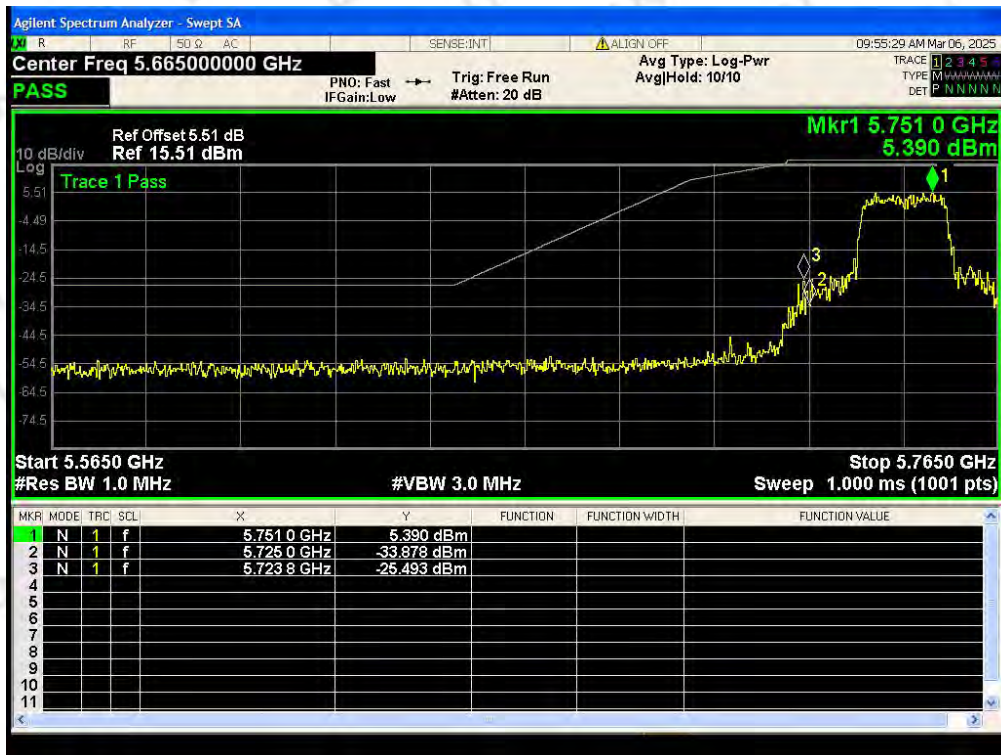
Band Edge NVNT 802.11a 5745MHz Ant1



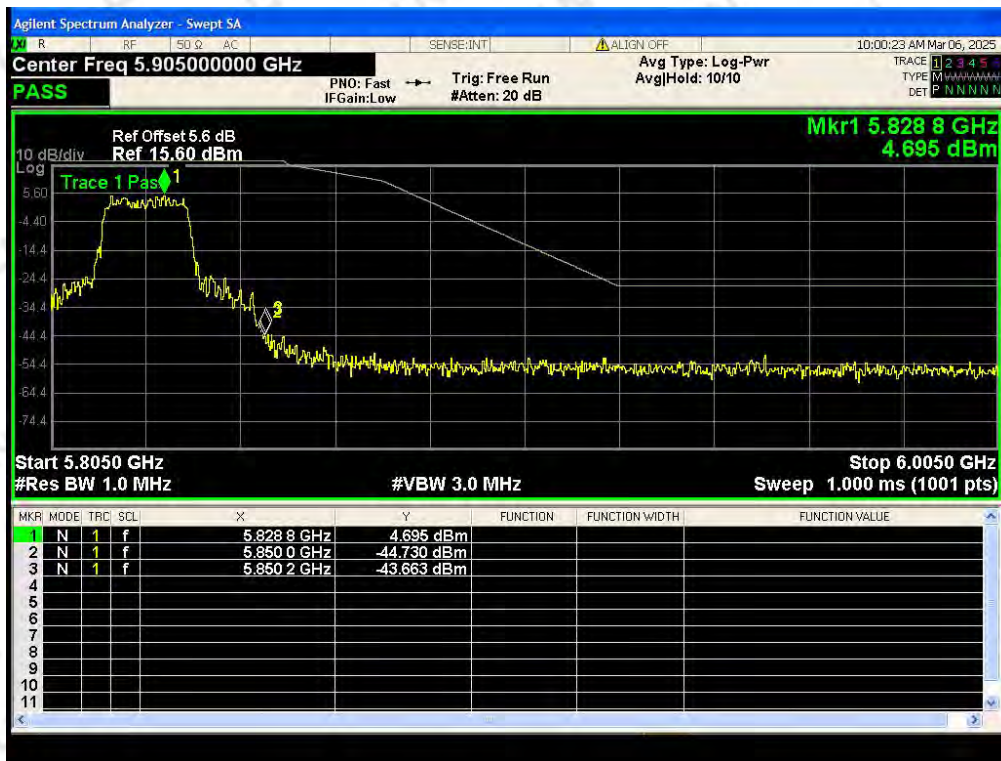
Band Edge NVNT 802.11a 5825MHz Ant1



Band Edge NVNT 802.11ac20 5745MHz Ant1



Band Edge NVNT 802.11ac20 5825MHz Ant1



Band Edge NVNT 802.11ac40 5755MHz Ant1



Band Edge NVNT 802.11ac40 5795MHz Ant1



Band Edge NVNT 802.11ac80 5755MHz Ant1



Band Edge NVNT 802.11n(HT20) 5745MHz Ant1



Band Edge NVNT 802.11n(HT20) 5825MHz Ant1



Band Edge NVNT 802.11n(HT40) 5755MHz Ant1



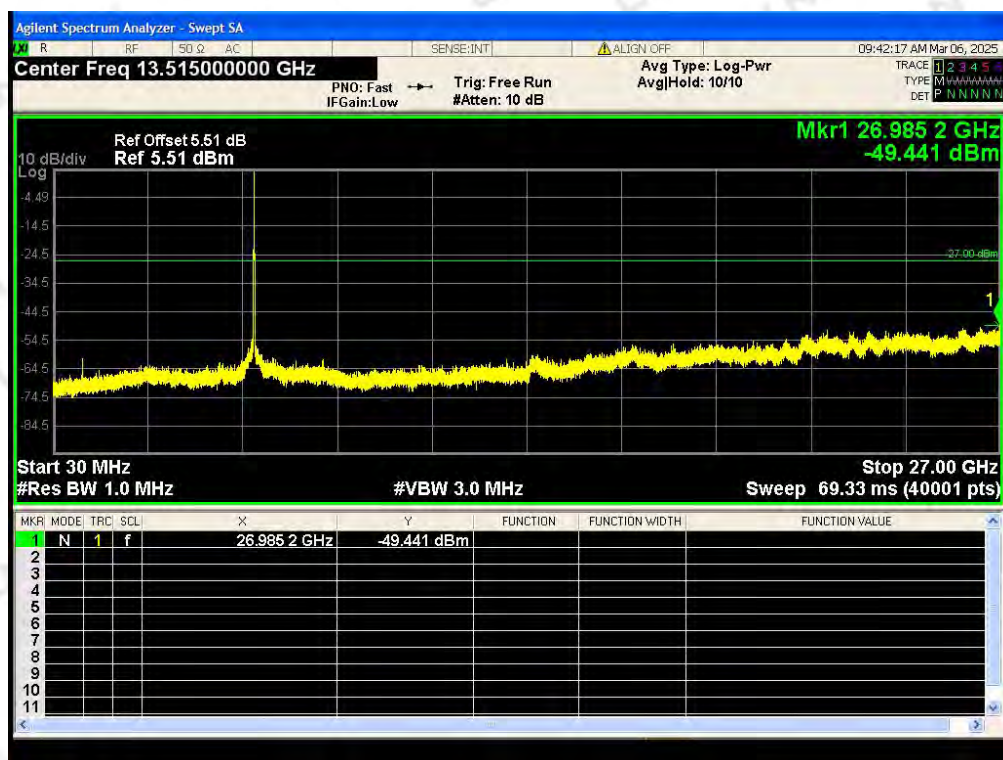
Band Edge NVNT 802.11n(HT40) 5795MHz Ant1



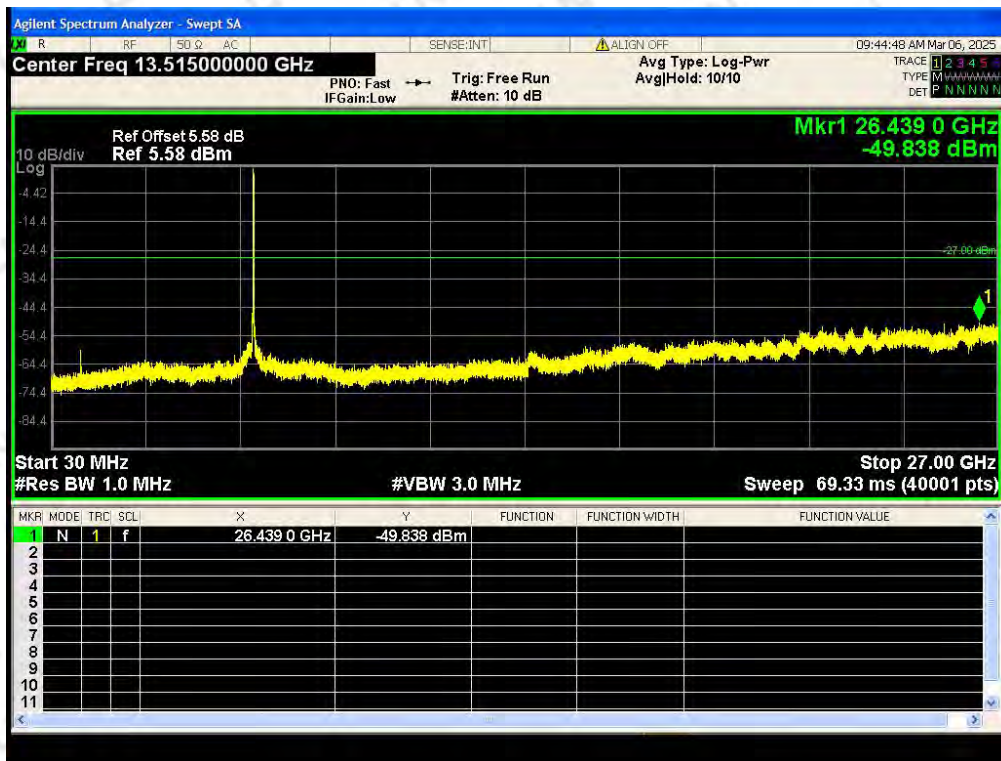
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-49.44	-27	Pass
NVNT	802.11a	5785	Ant 1	-49.83	-27	Pass
NVNT	802.11a	5825	Ant 1	-49.76	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-49.87	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-48.82	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-49.69	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-49.26	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-49.75	-27	Pass
NVNT	802.11ac80	5755	Ant 1	-50.11	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-49.39	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-49.74	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-49.73	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-49.71	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-49.85	-27	Pass

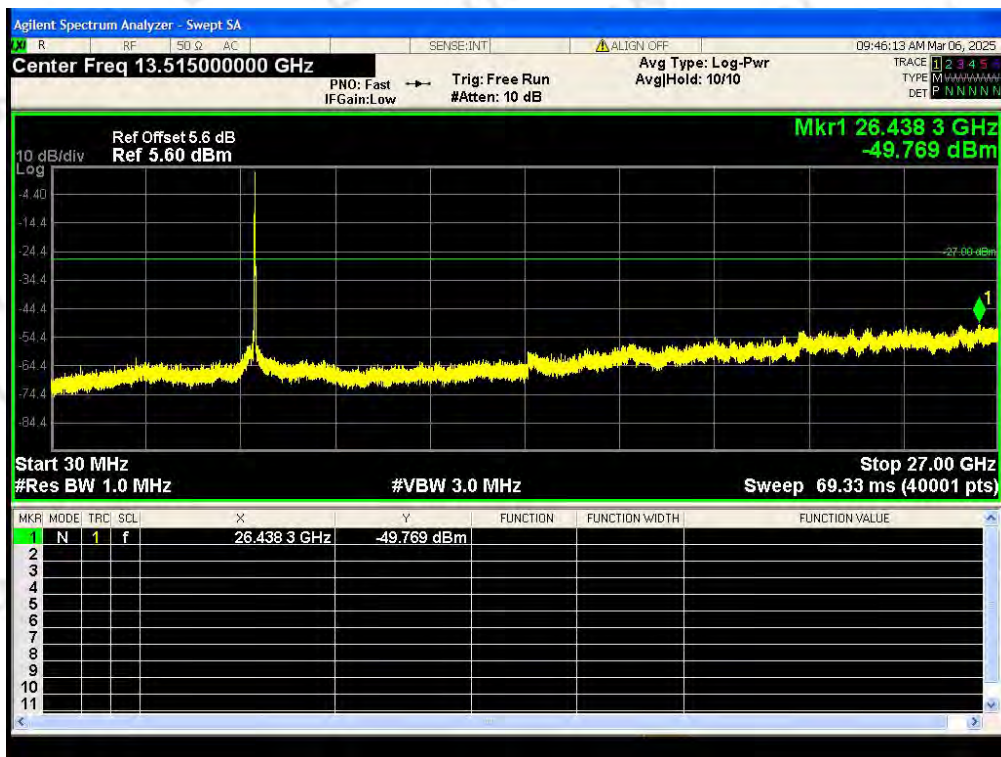
Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



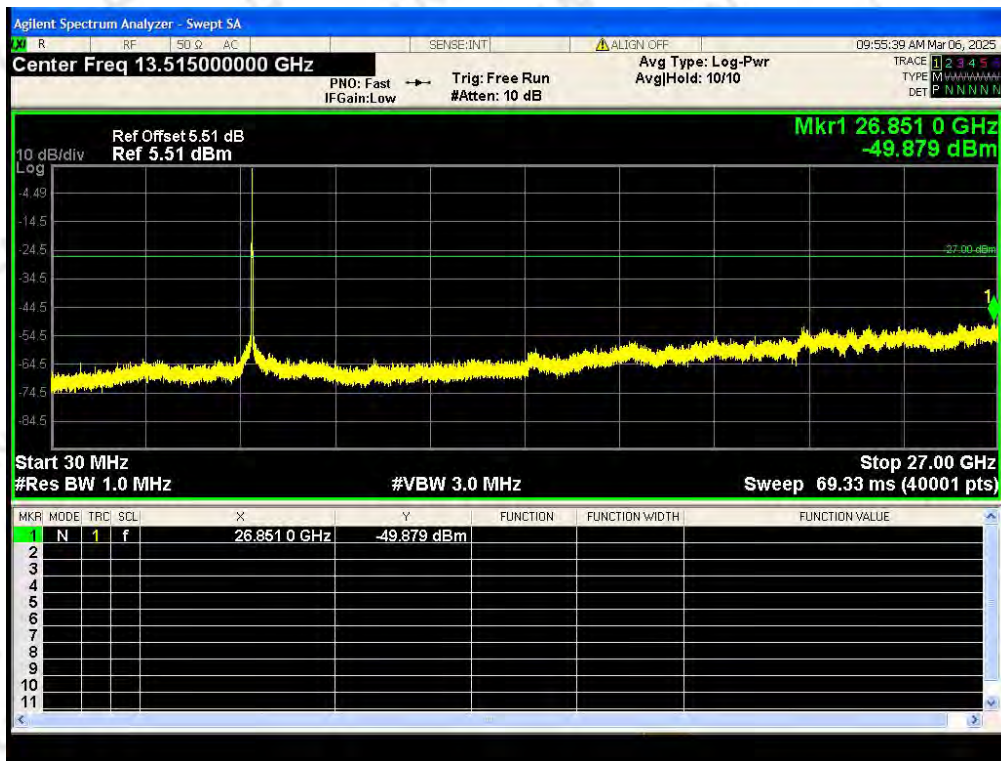
Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



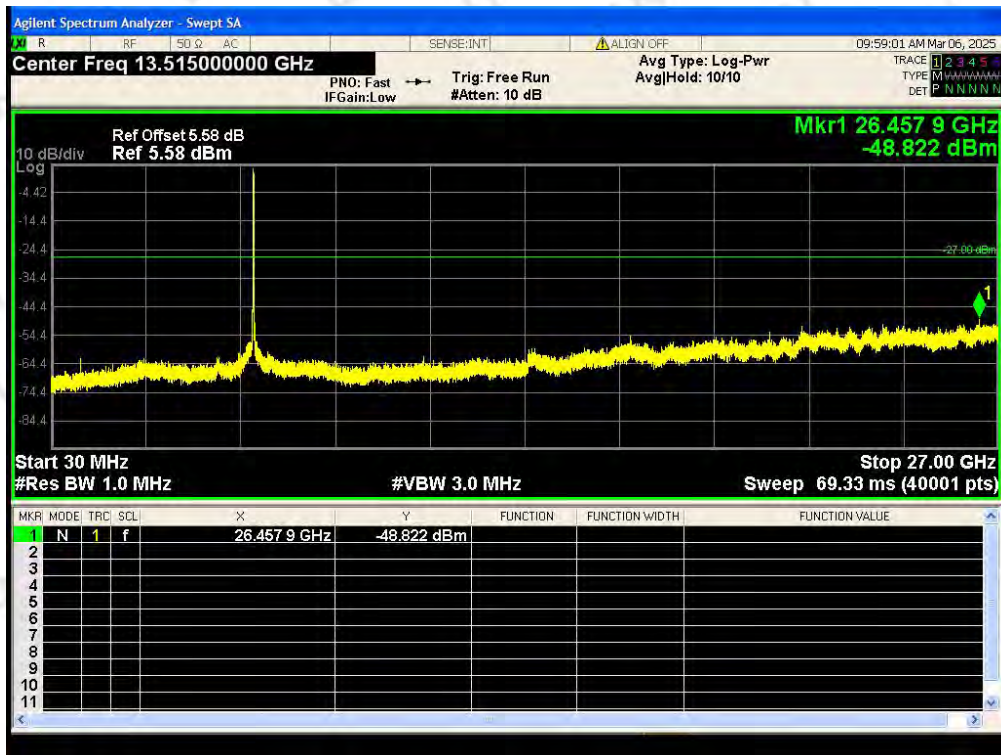
Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission



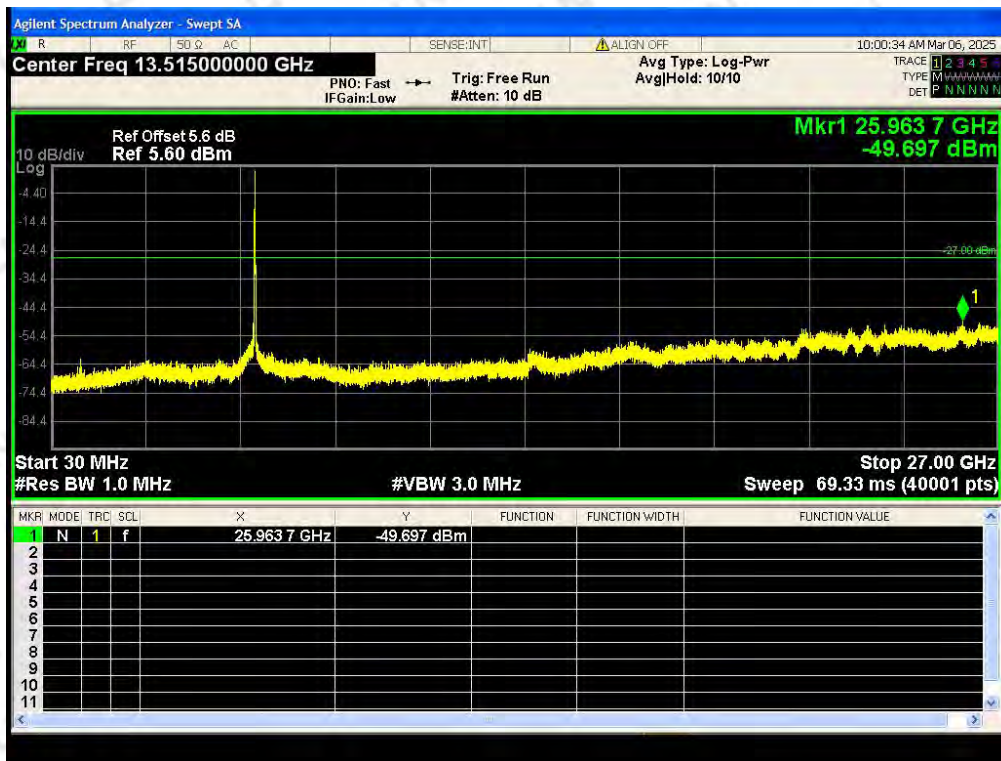
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



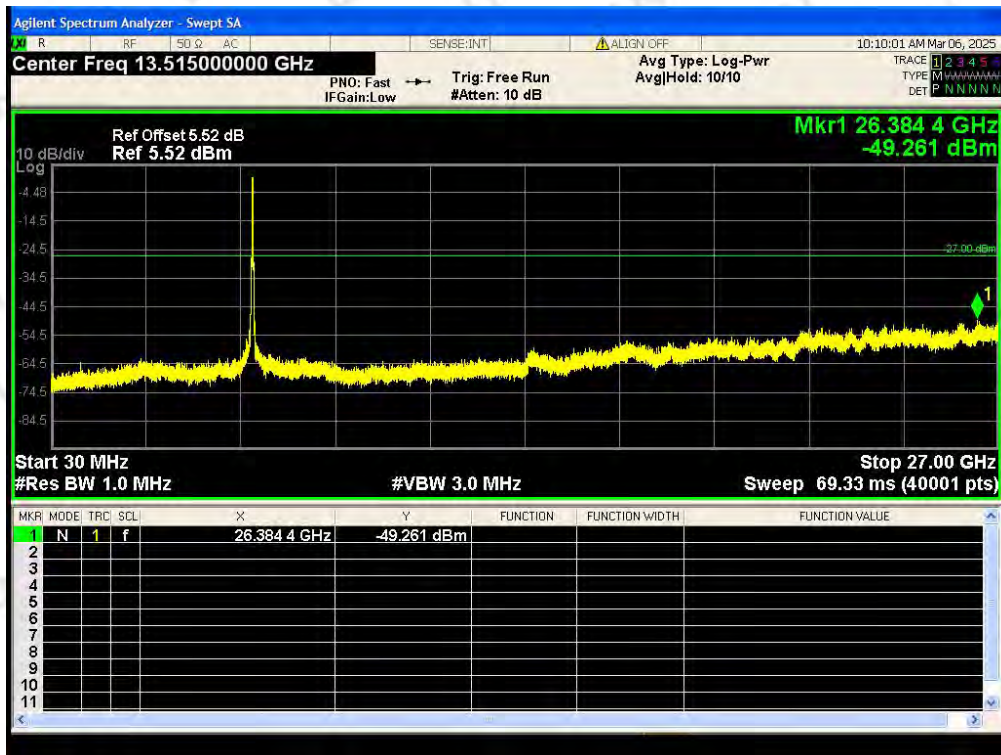
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



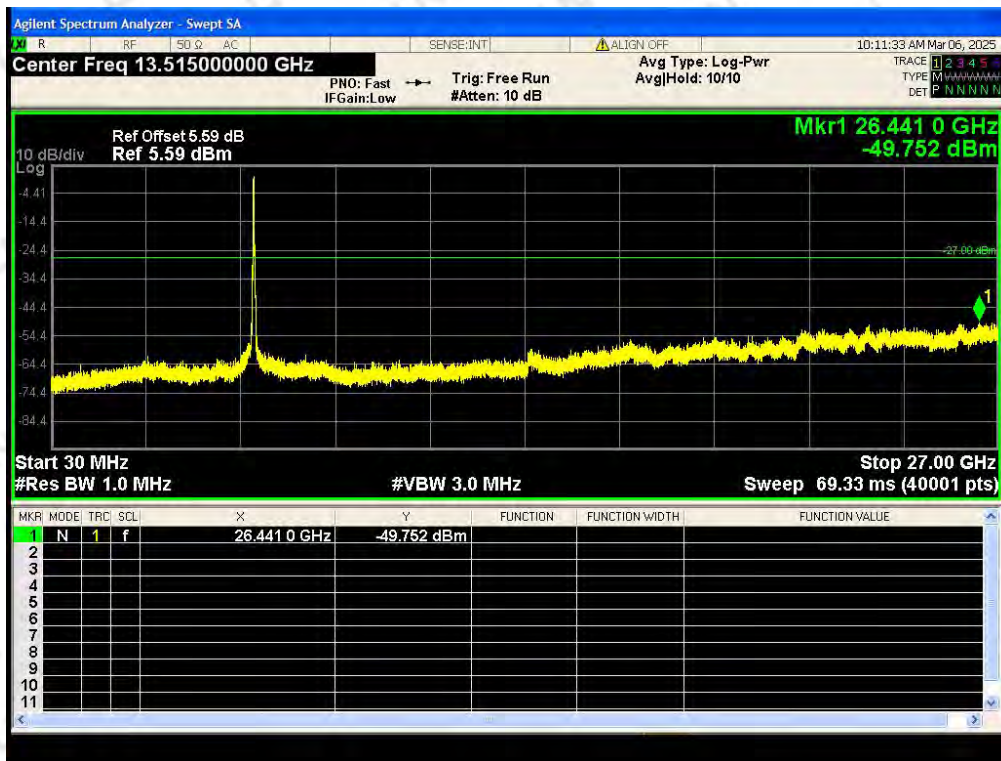
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



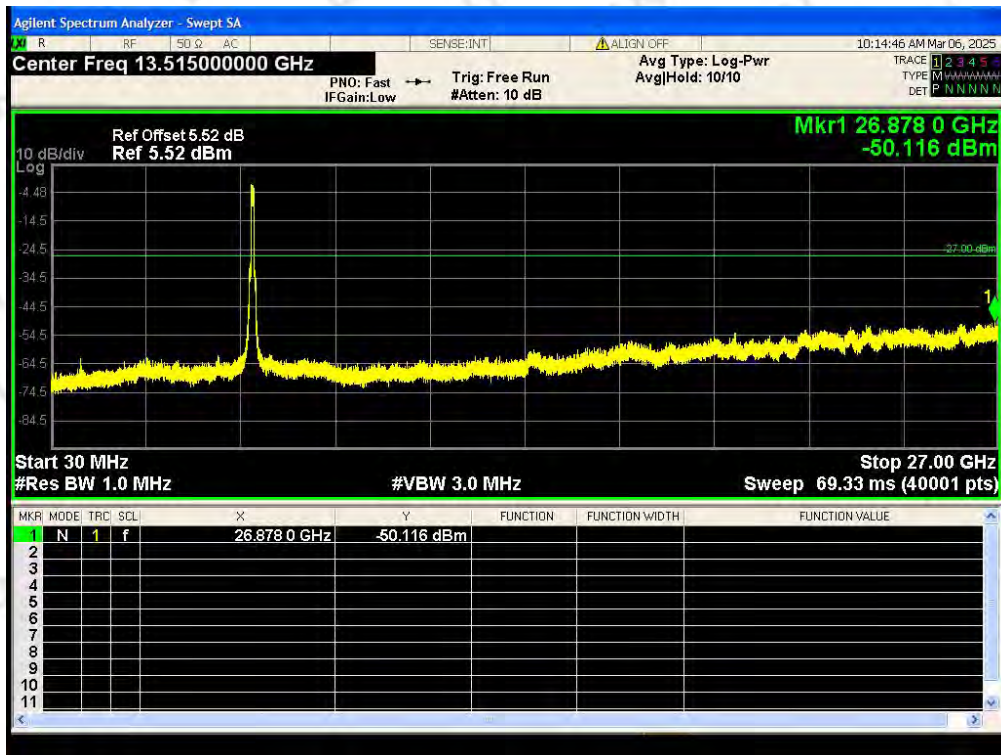
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



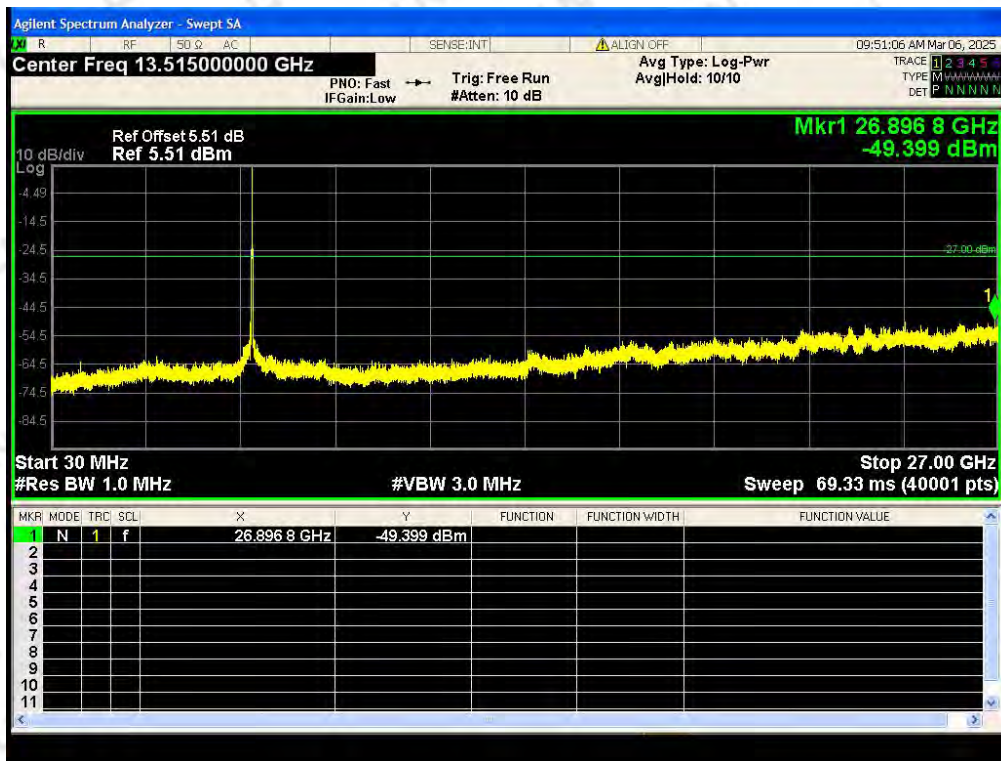
Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission



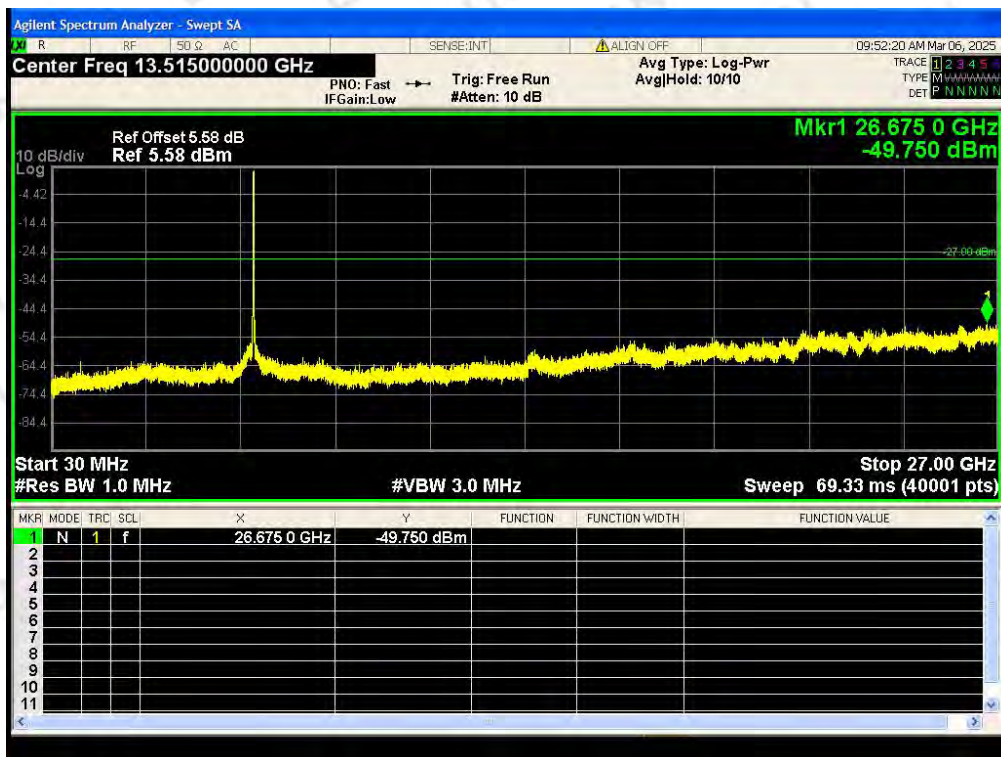
Tx. Spurious NVNT 802.11ac80 5755MHz Ant1 Emission



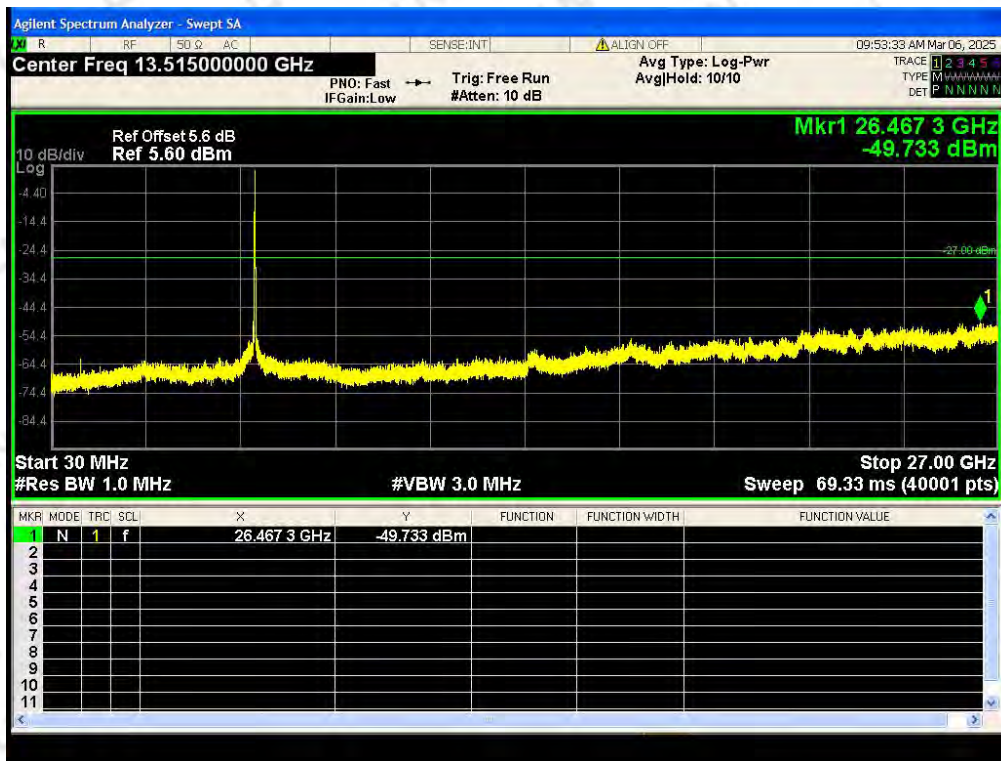
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission



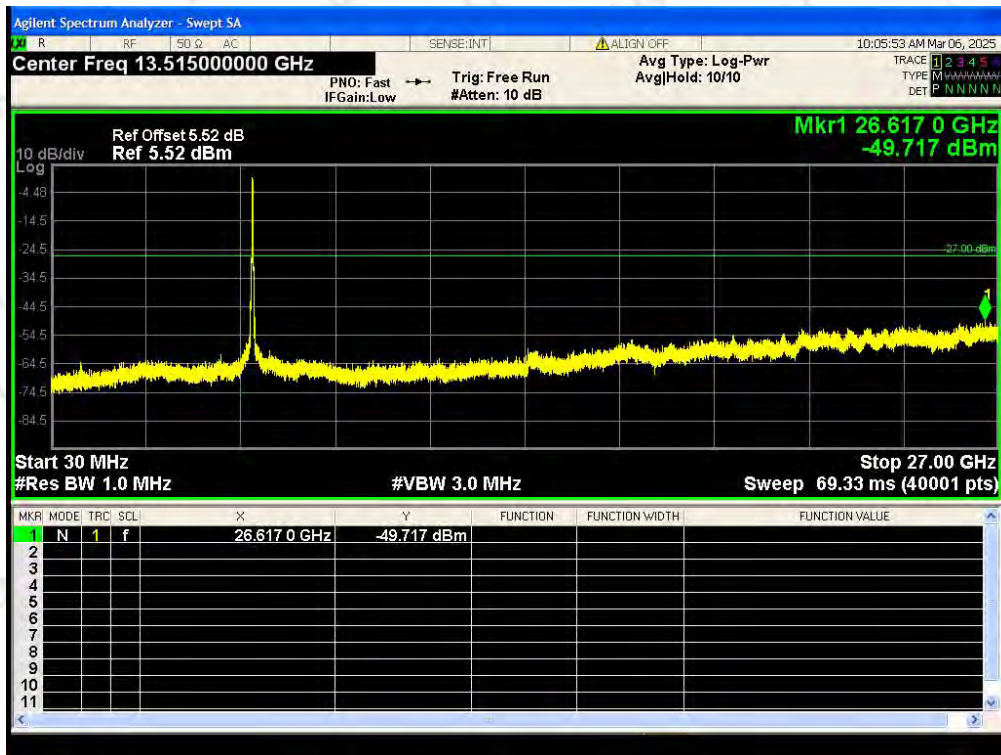
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant1 Emission

