

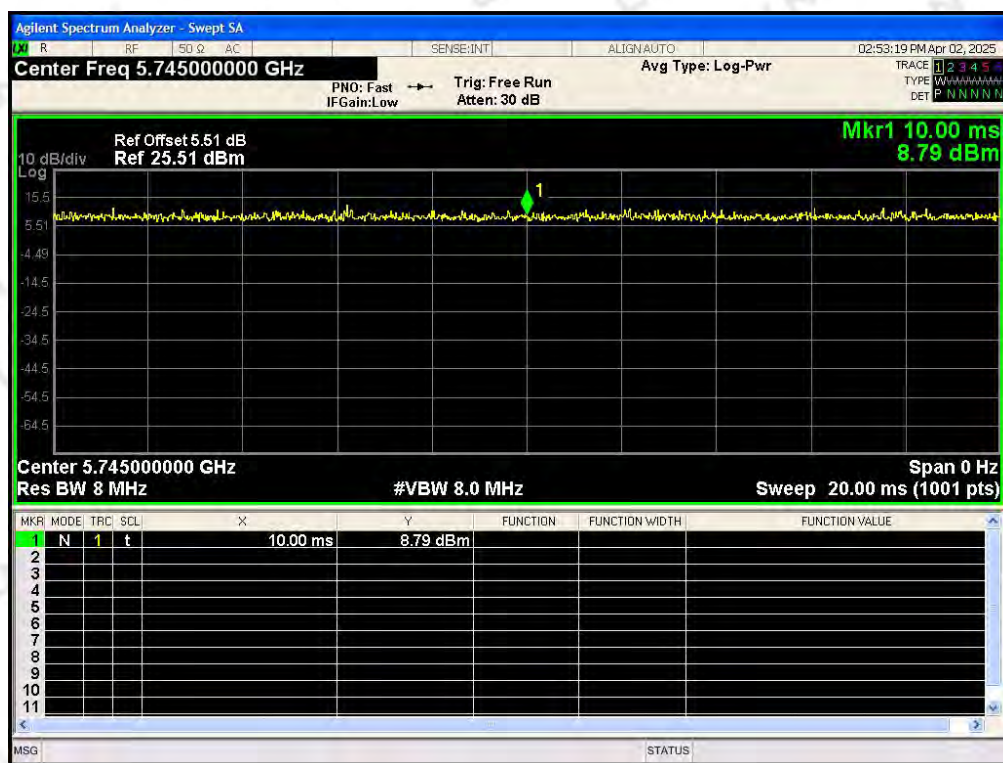
Test Report

ANT 2 5G WIFI RF test data_B4

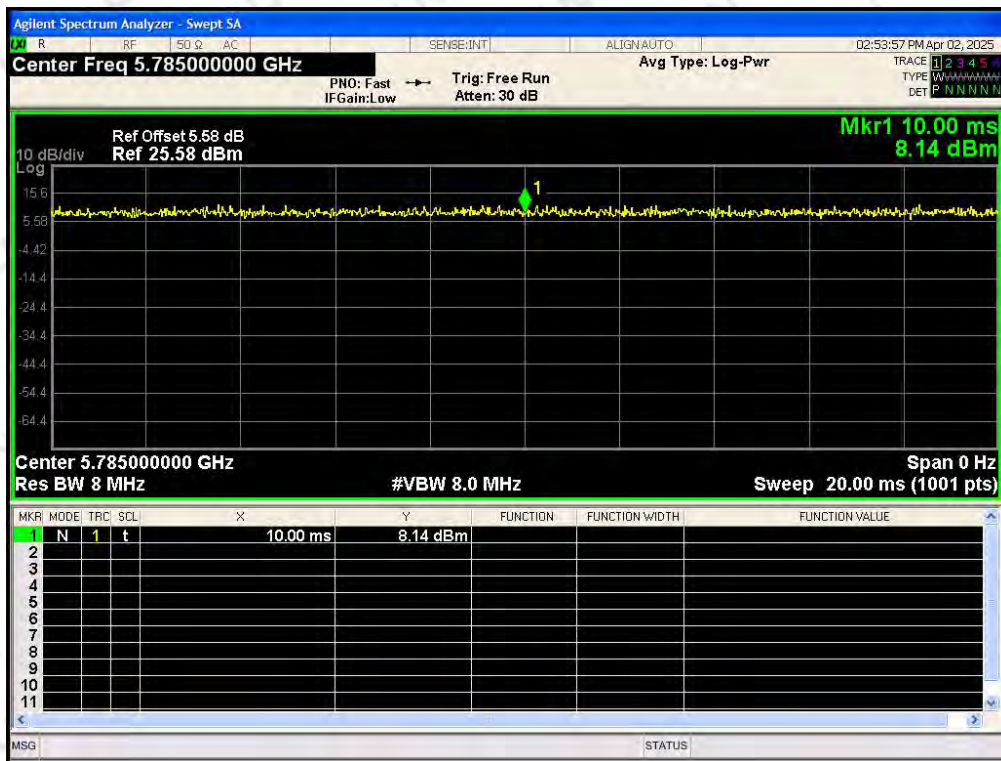
Duty Cycle

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	5775	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

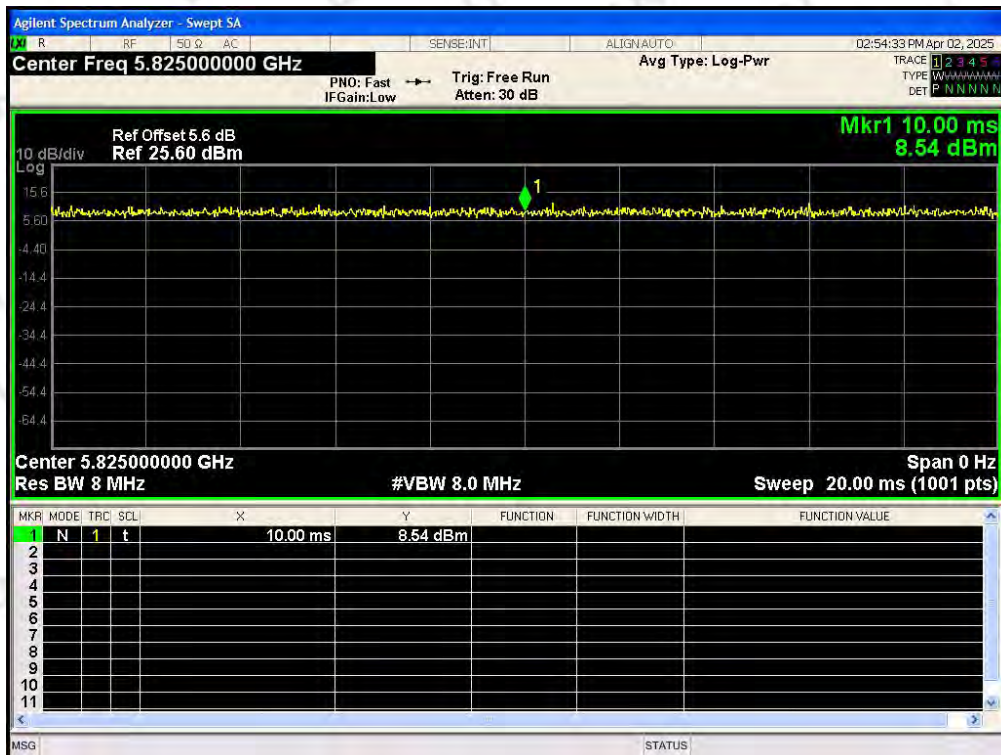
Duty Cycle NVNT 802.11a 5745MHz



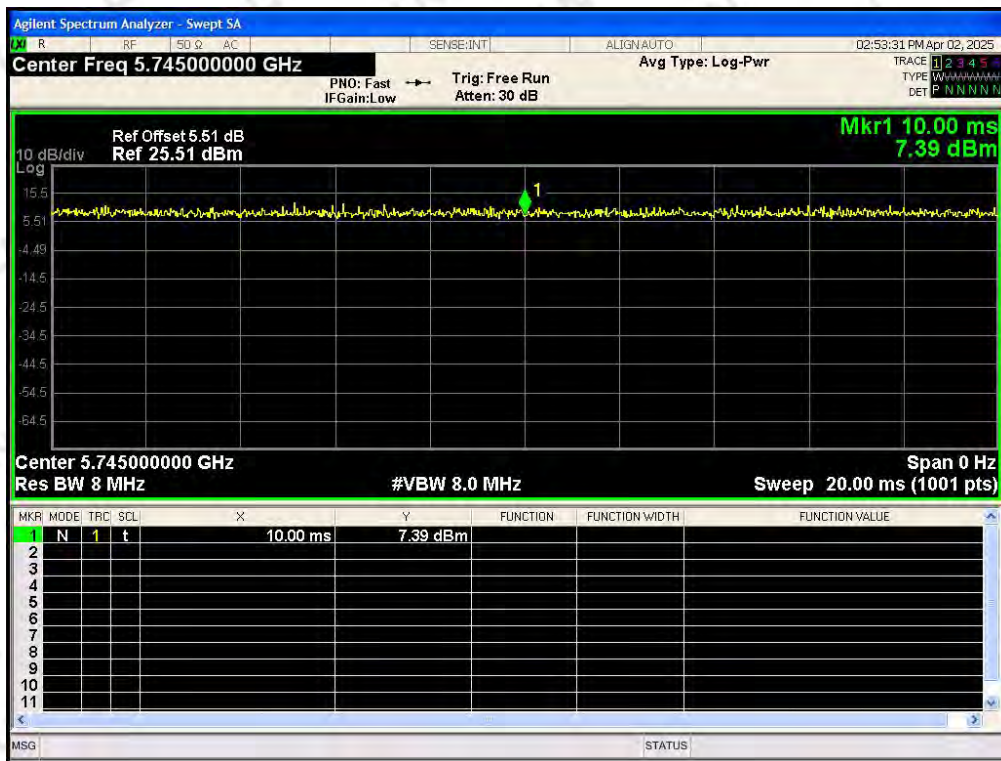
Duty Cycle NVNT 802.11a 5785MHz



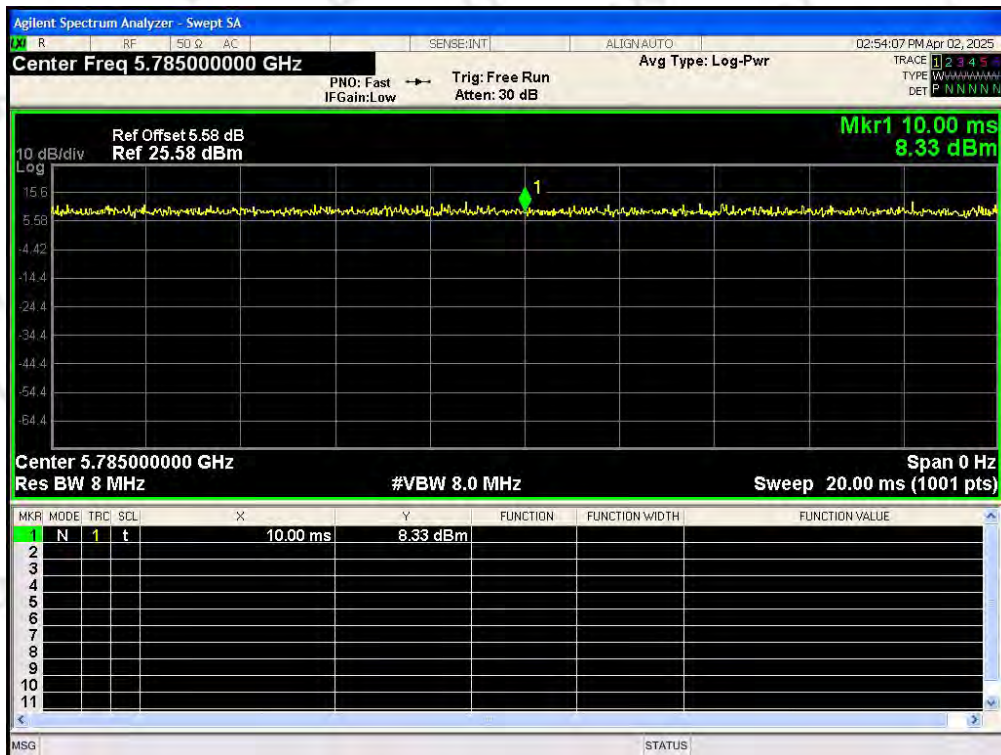
Duty Cycle NVNT 802.11a 5825MHz



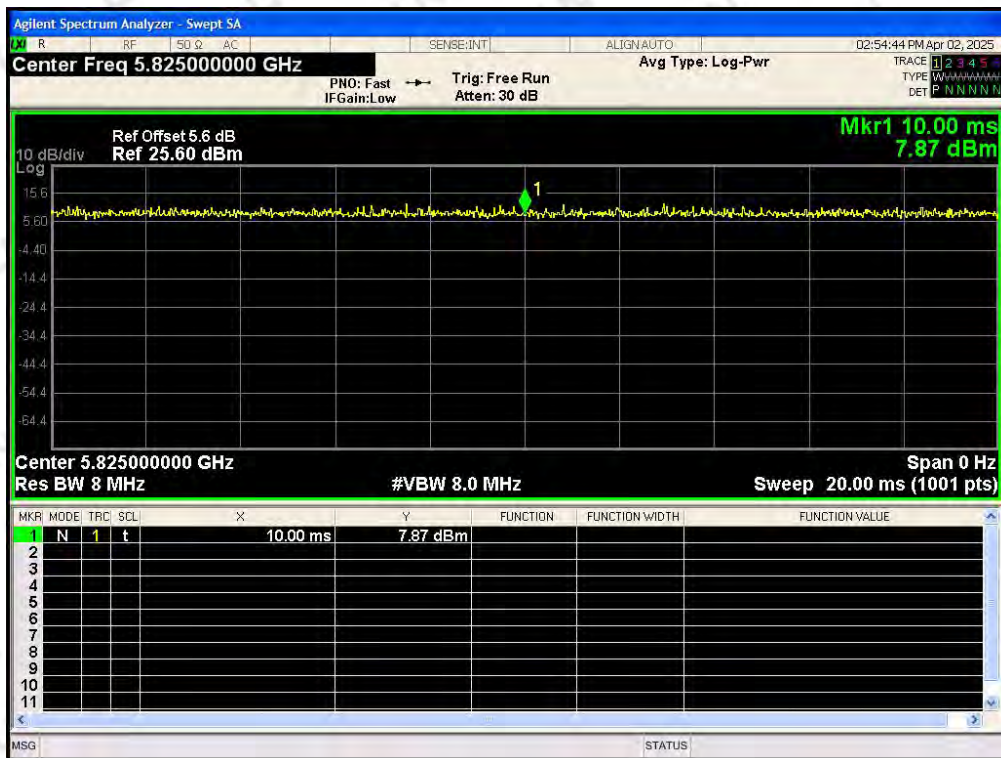
Duty Cycle NVNT 802.11ac20 5745MHz



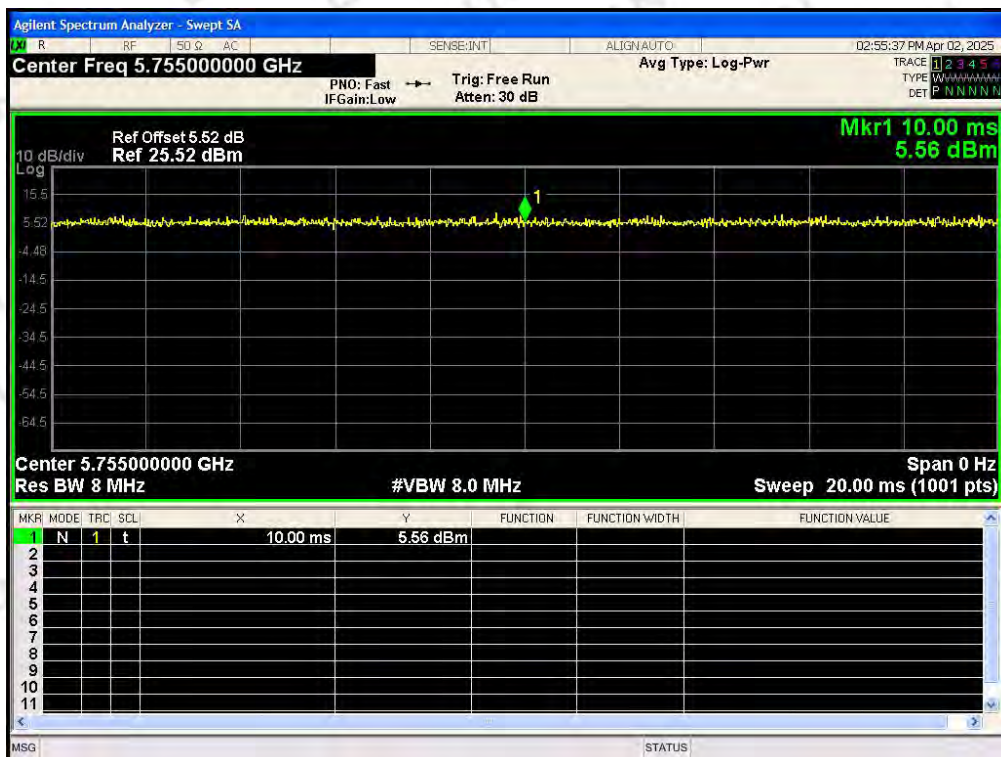
Duty Cycle NVNT 802.11ac20 5785MHz



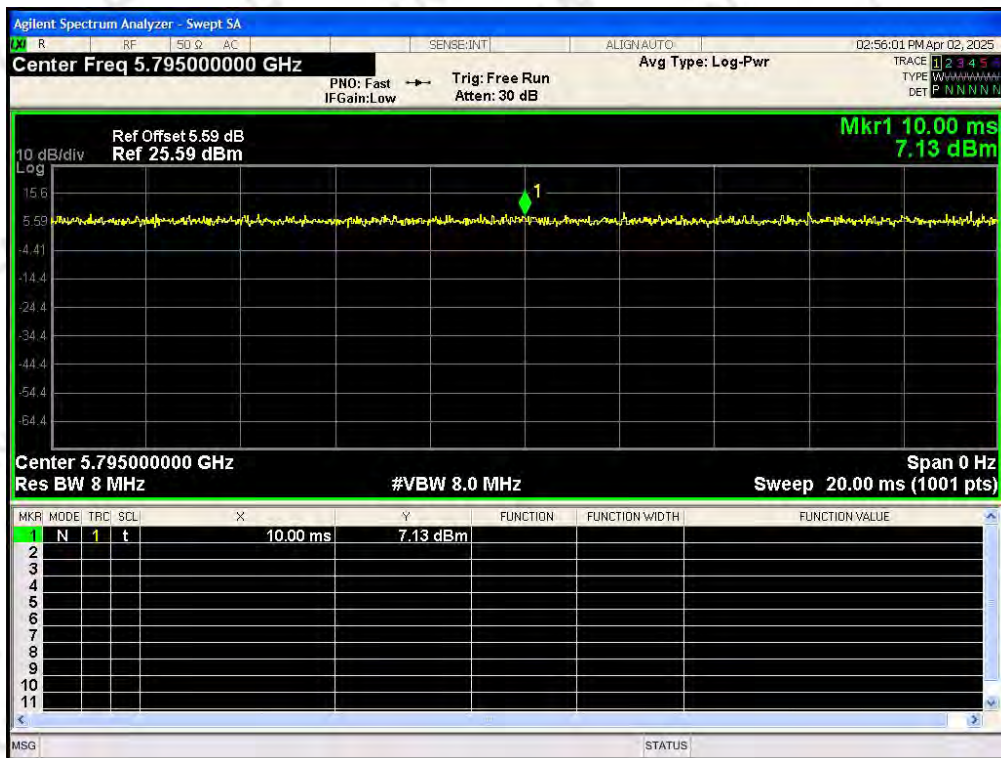
Duty Cycle NVNT 802.11ac20 5825MHz



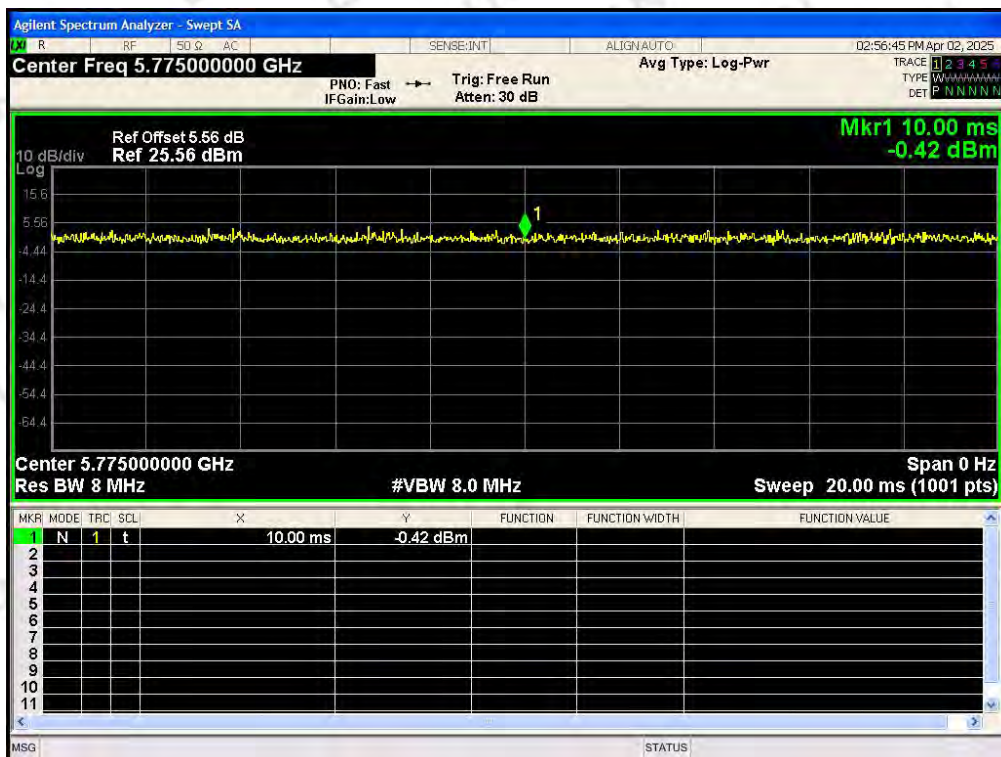
Duty Cycle NVNT 802.11ac40 5755MHz



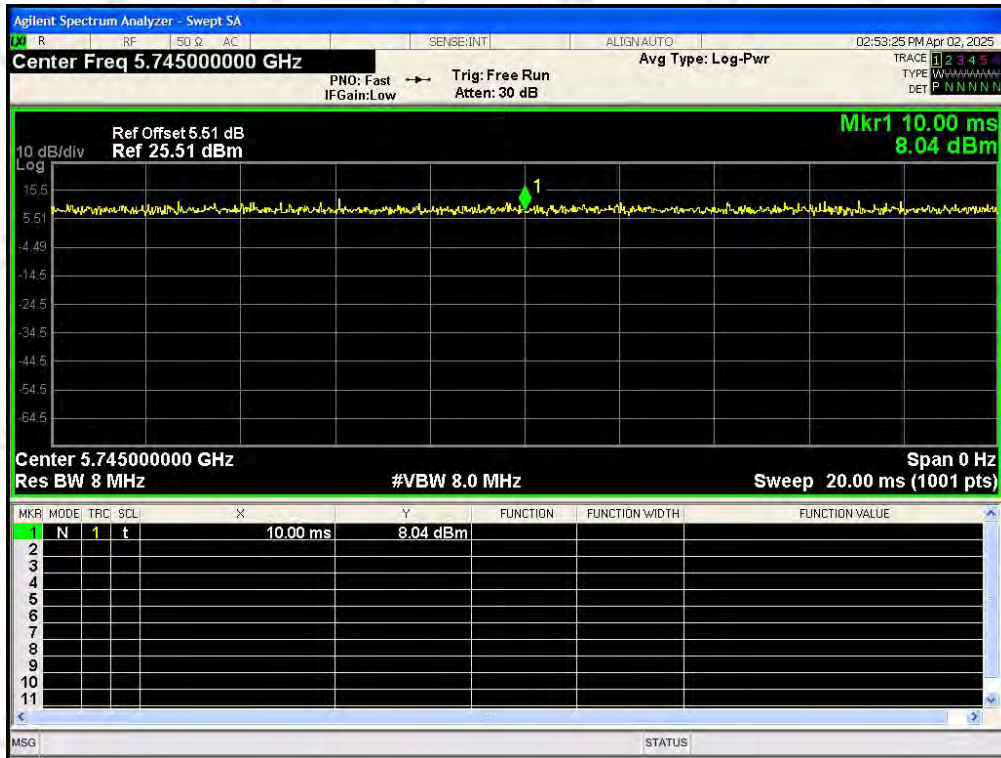
Duty Cycle NVNT 802.11ac40 5795MHz



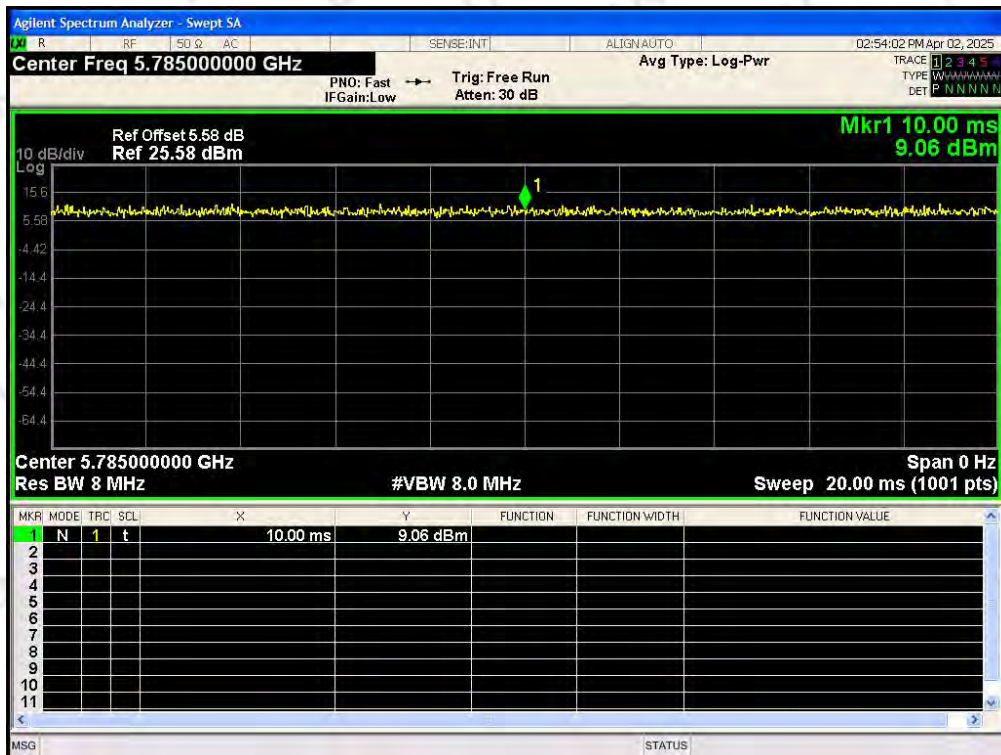
Duty Cycle NVNT 802.11ac80 5775MHz



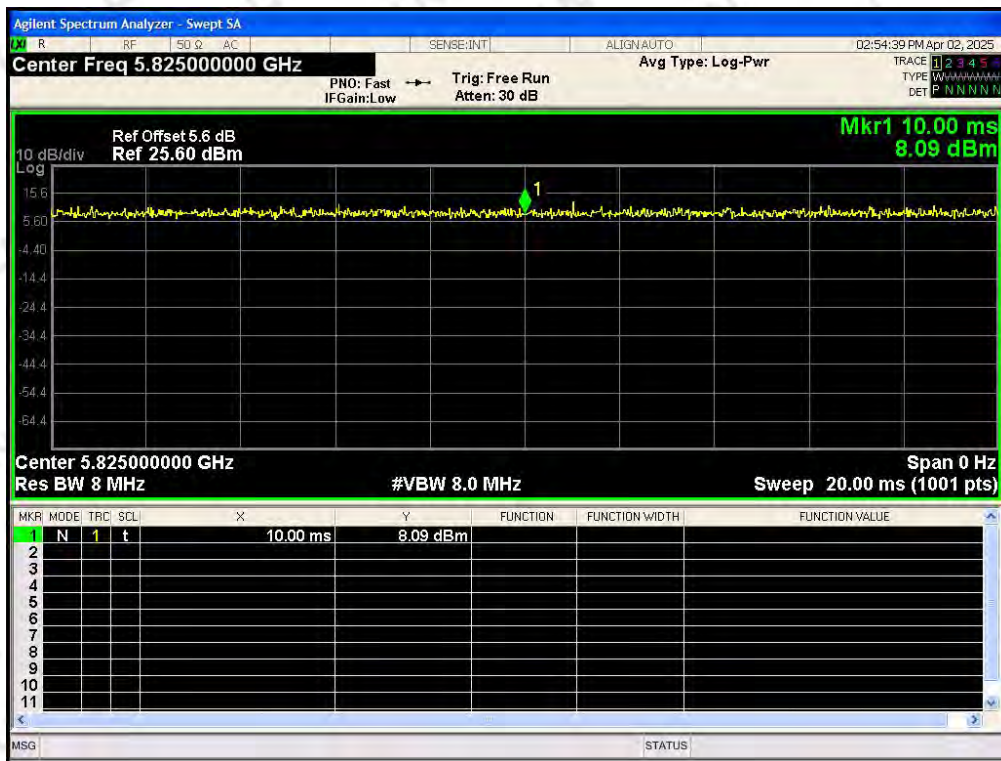
Duty Cycle NVNT 802.11n(HT20) 5745MHz



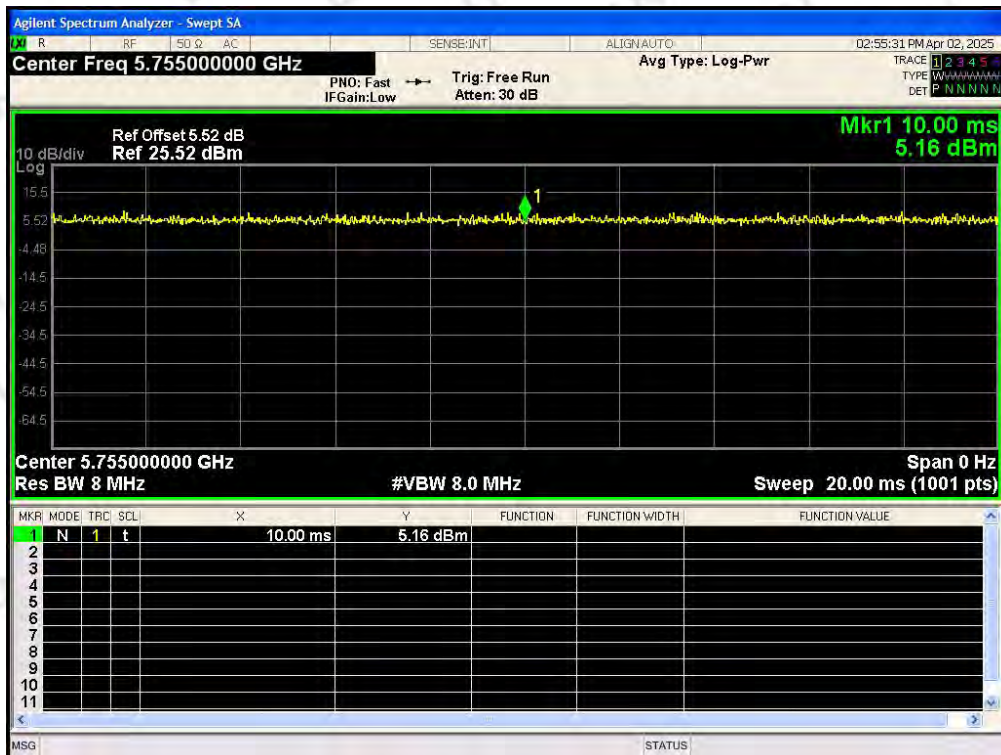
Duty Cycle NVNT 802.11n(HT20) 5785MHz



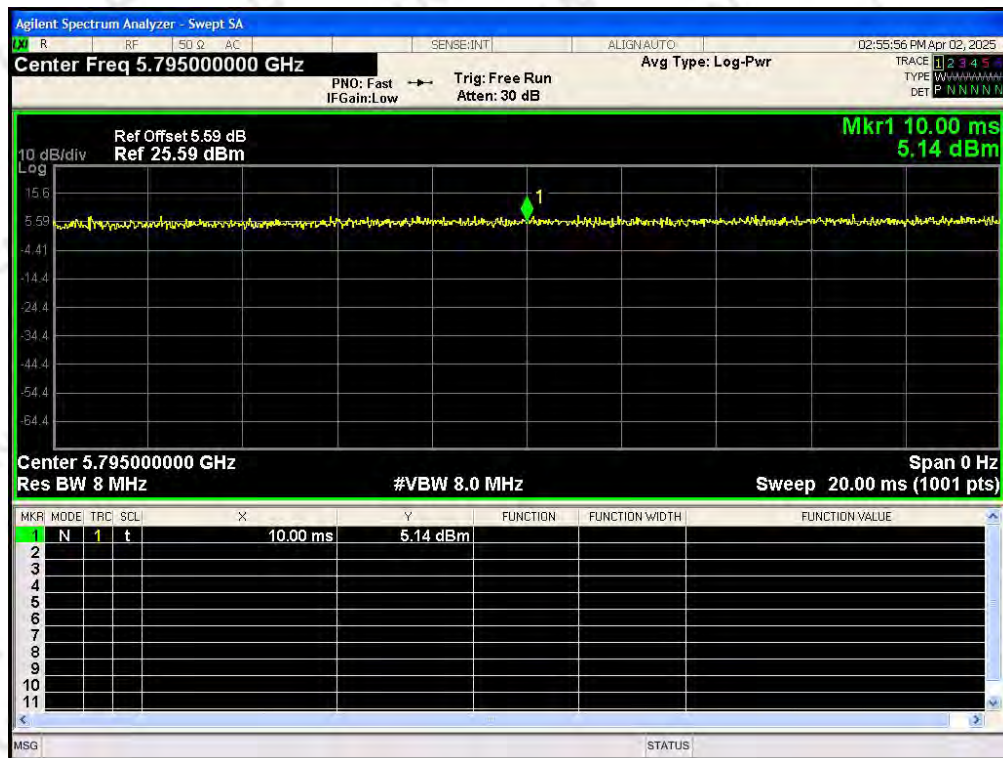
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



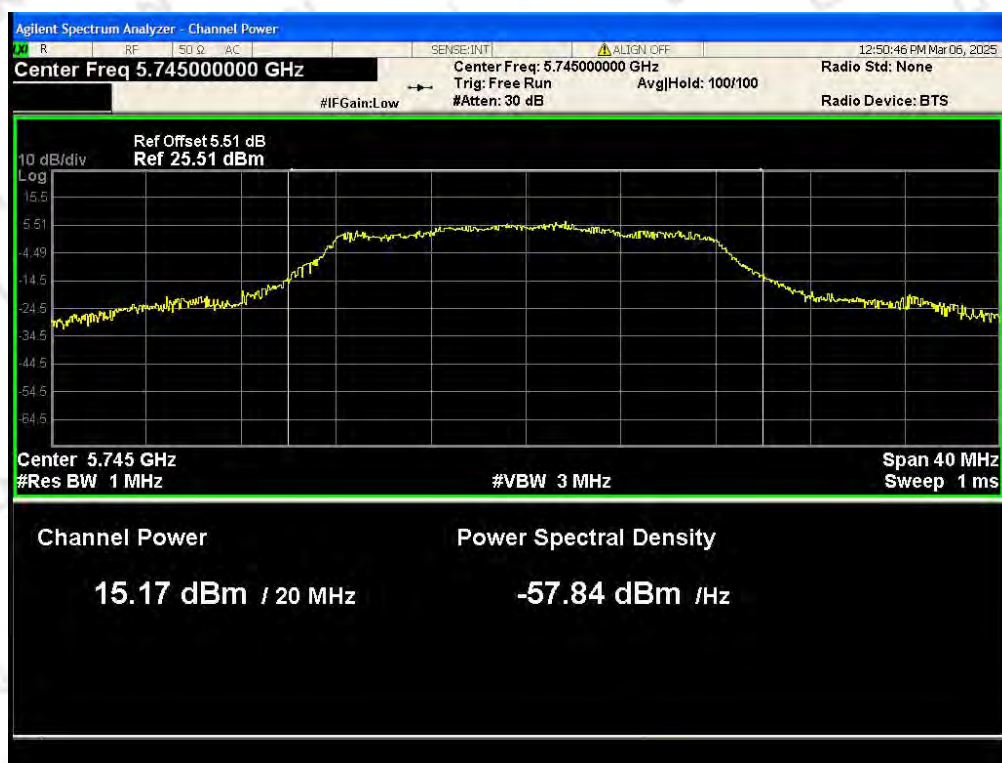
Duty Cycle NVNT 802.11n(HT40) 5795MHz



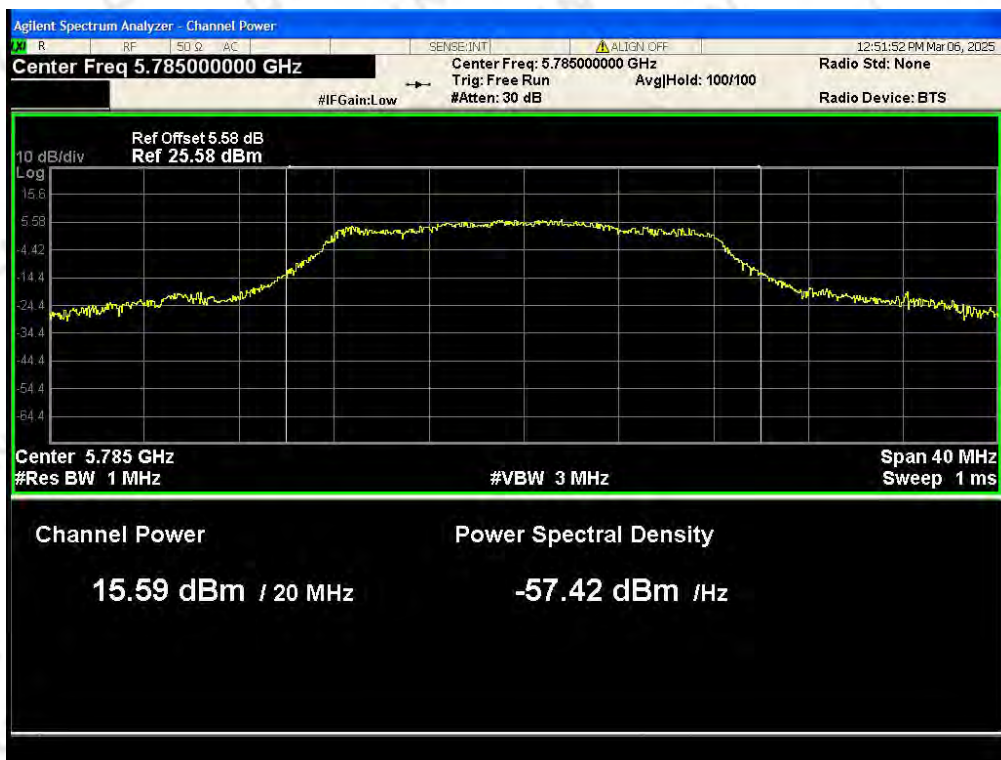
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 2	15.17	0	15.17	30	Pass
NVNT	802.11a	5785	Ant 2	15.59	0	15.59	30	Pass
NVNT	802.11a	5825	Ant 2	15.93	0	15.93	30	Pass
NVNT	802.11ac20	5745	Ant 2	15.12	0	15.12	30	Pass
NVNT	802.11ac20	5785	Ant 2	15.72	0	15.72	30	Pass
NVNT	802.11ac20	5825	Ant 2	16.04	0	16.04	30	Pass
NVNT	802.11ac40	5755	Ant 2	18.03	0	18.03	30	Pass
NVNT	802.11ac40	5795	Ant 2	18.58	0	18.58	30	Pass
NVNT	802.11ac80	5775	Ant 2	15.41	0	15.41	30	Pass
NVNT	802.11n(HT20)	5745	Ant 2	14.88	0	14.88	30	Pass
NVNT	802.11n(HT20)	5785	Ant 2	15.46	0	15.46	30	Pass
NVNT	802.11n(HT20)	5825	Ant 2	15.78	0	15.78	30	Pass
NVNT	802.11n(HT40)	5755	Ant 2	17.04	0	17.04	30	Pass
NVNT	802.11n(HT40)	5795	Ant 2	18.55	0	18.55	30	Pass

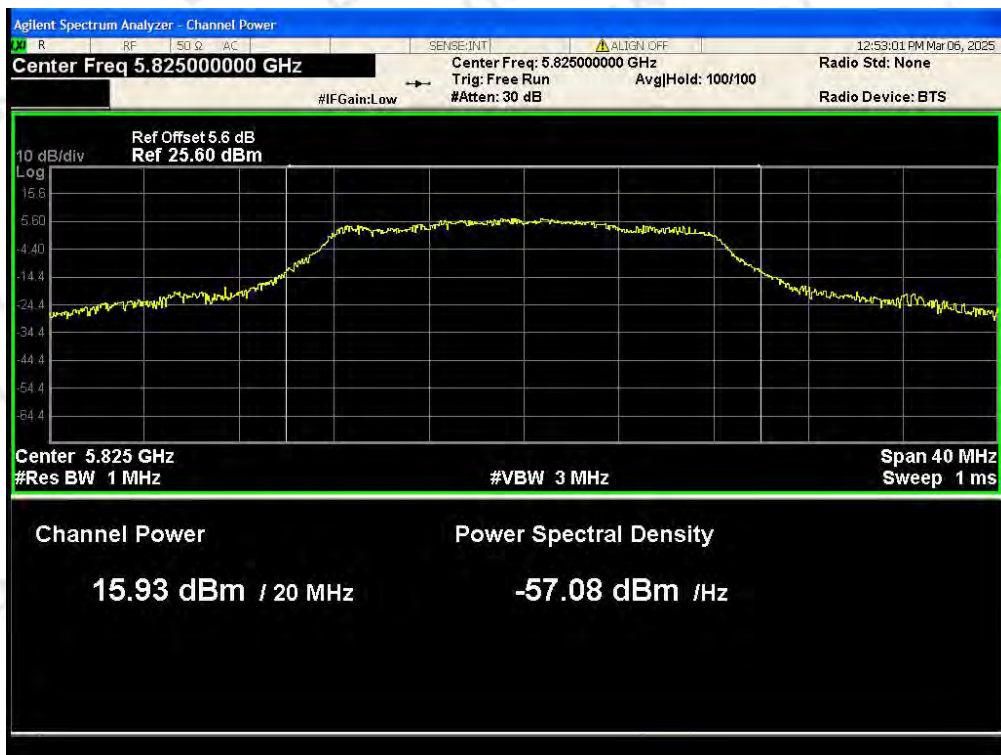
Power NVNT 802.11a 5745MHz Ant2



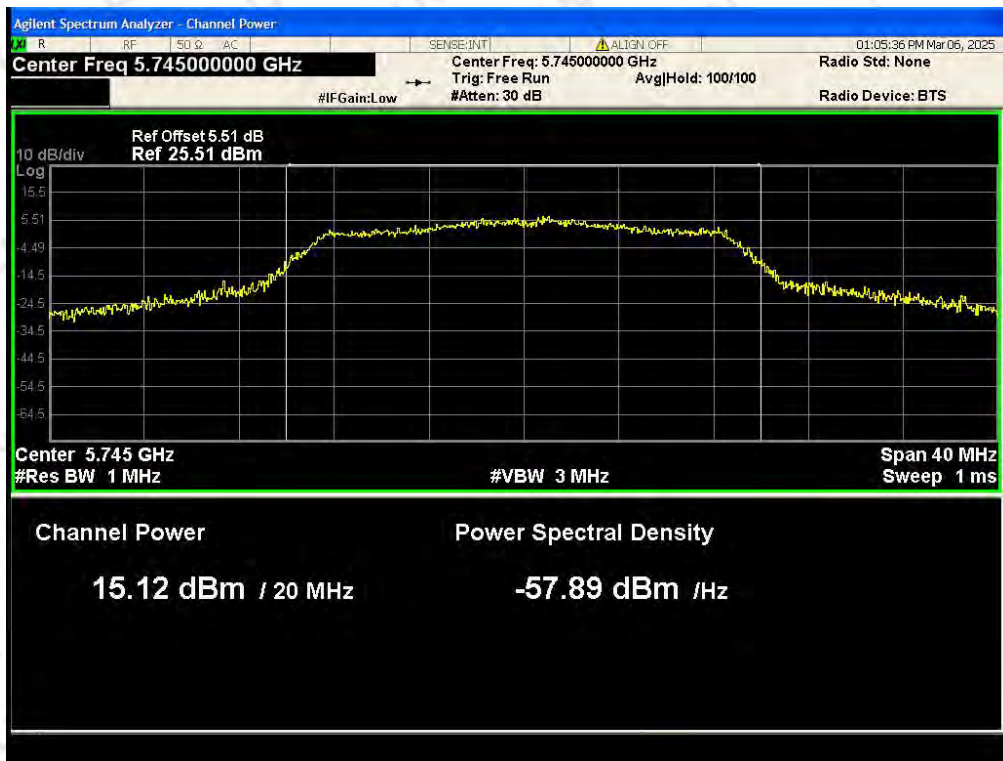
Power NVNT 802.11a 5785MHz Ant2



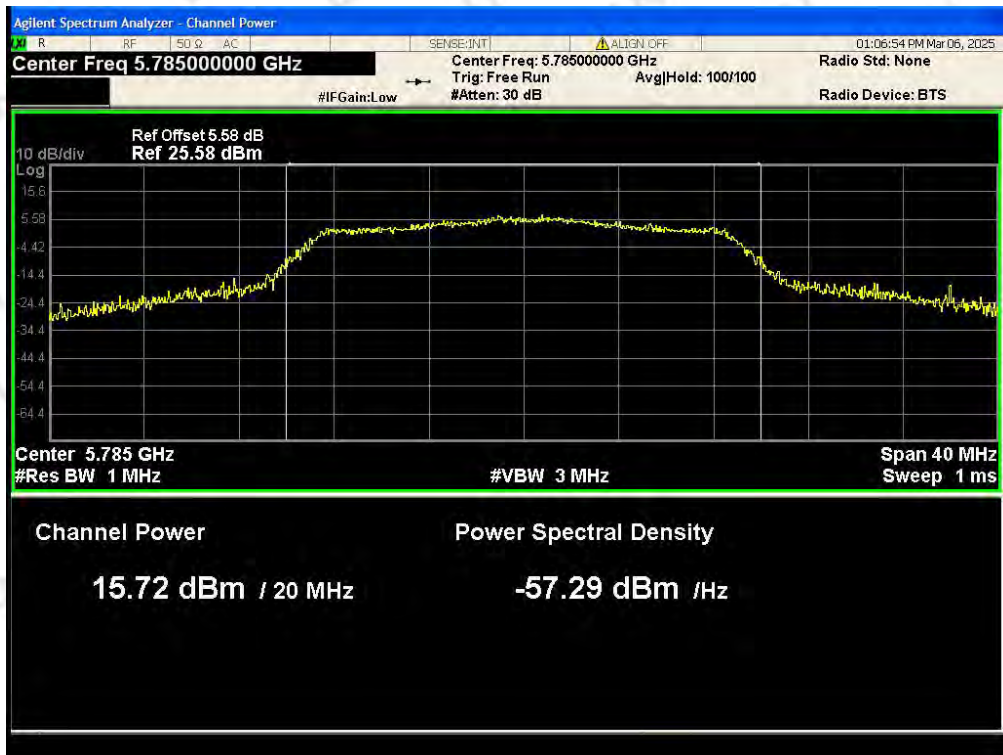
Power NVNT 802.11a 5825MHz Ant2



Power NVNT 802.11ac20 5745MHz Ant2



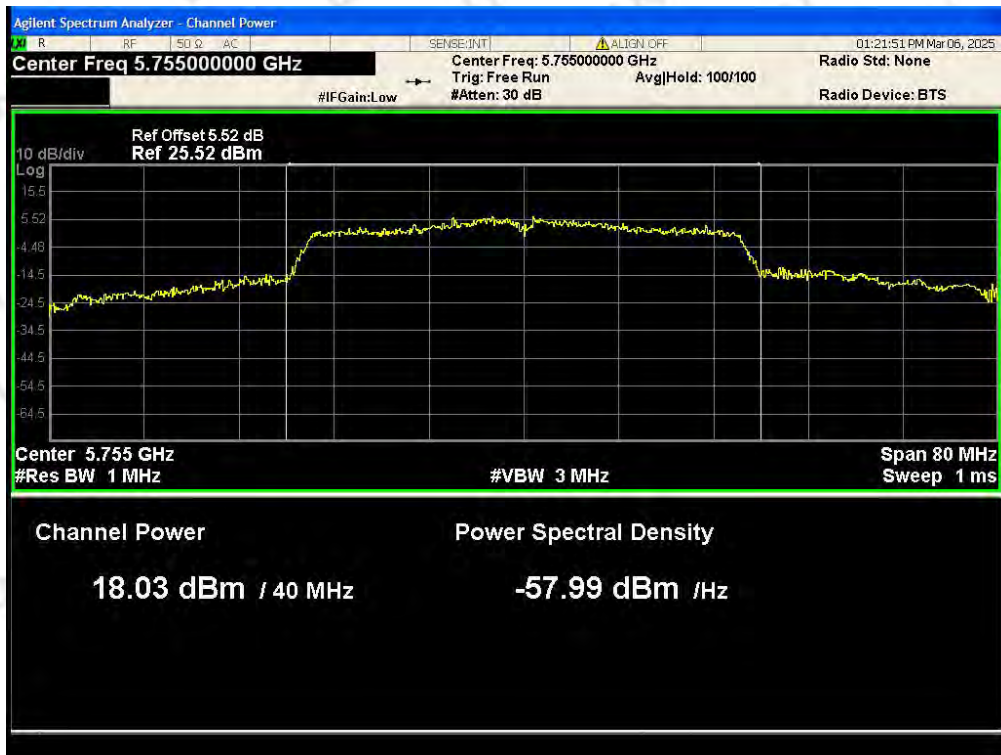
Power NVNT 802.11ac20 5785MHz Ant2



Power NVNT 802.11ac20 5825MHz Ant2



Power NVNT 802.11ac40 5755MHz Ant2



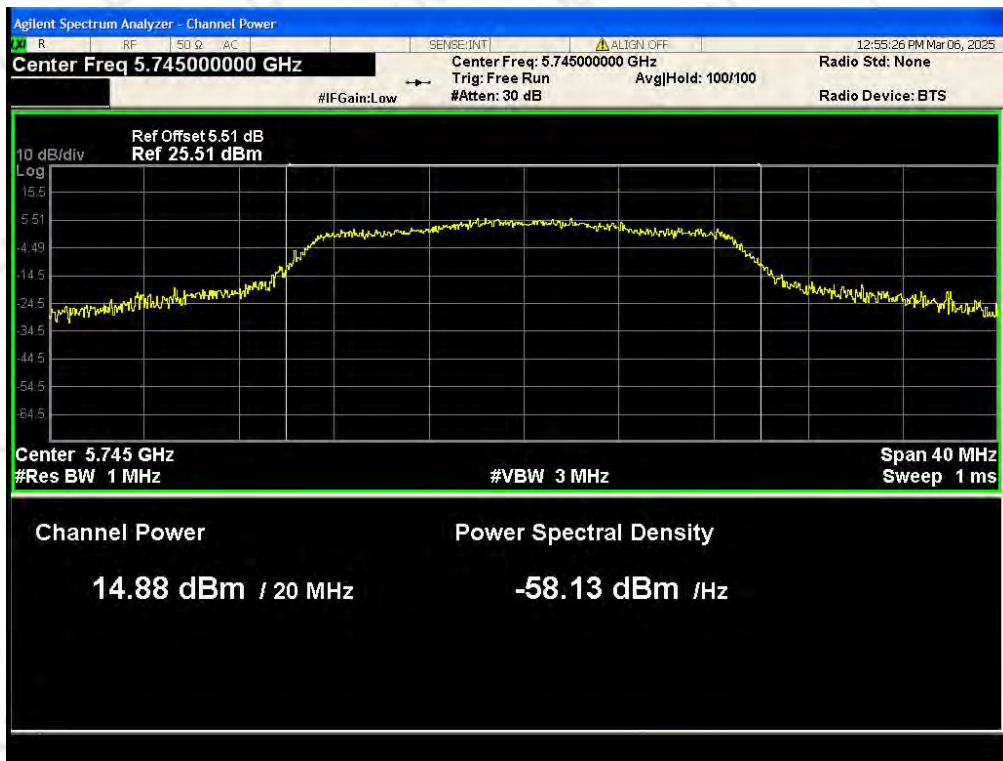
Power NVNT 802.11ac40 5795MHz Ant2



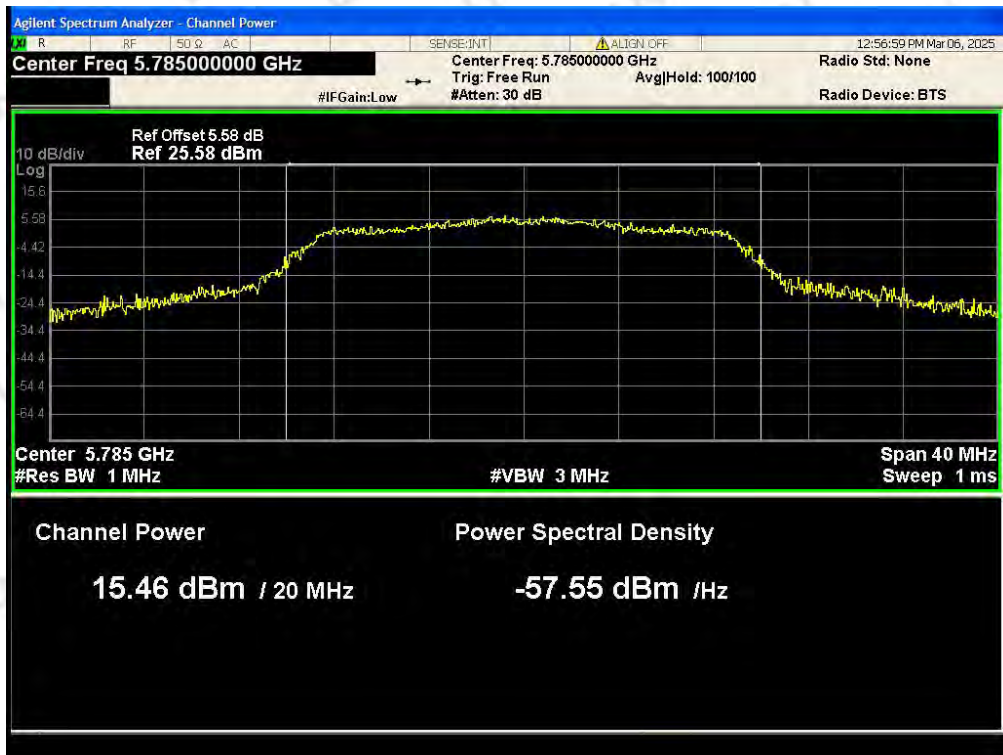
Power NVNT 802.11ac80 5775MHz Ant2



Power NVNT 802.11n(HT20) 5745MHz Ant2



Power NVNT 802.11n(HT20) 5785MHz Ant2



Power NVNT 802.11n(HT20) 5825MHz Ant2



Power NVNT 802.11n(HT40) 5755MHz Ant2



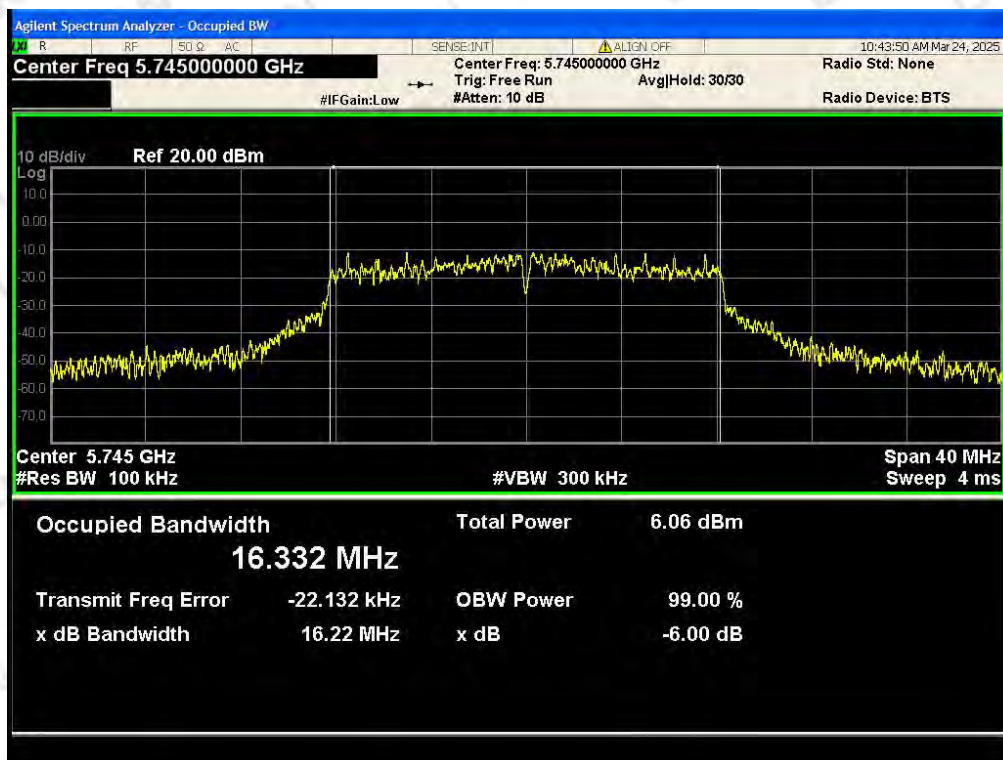
Power NVNT 802.11n(HT40) 5795MHz Ant2



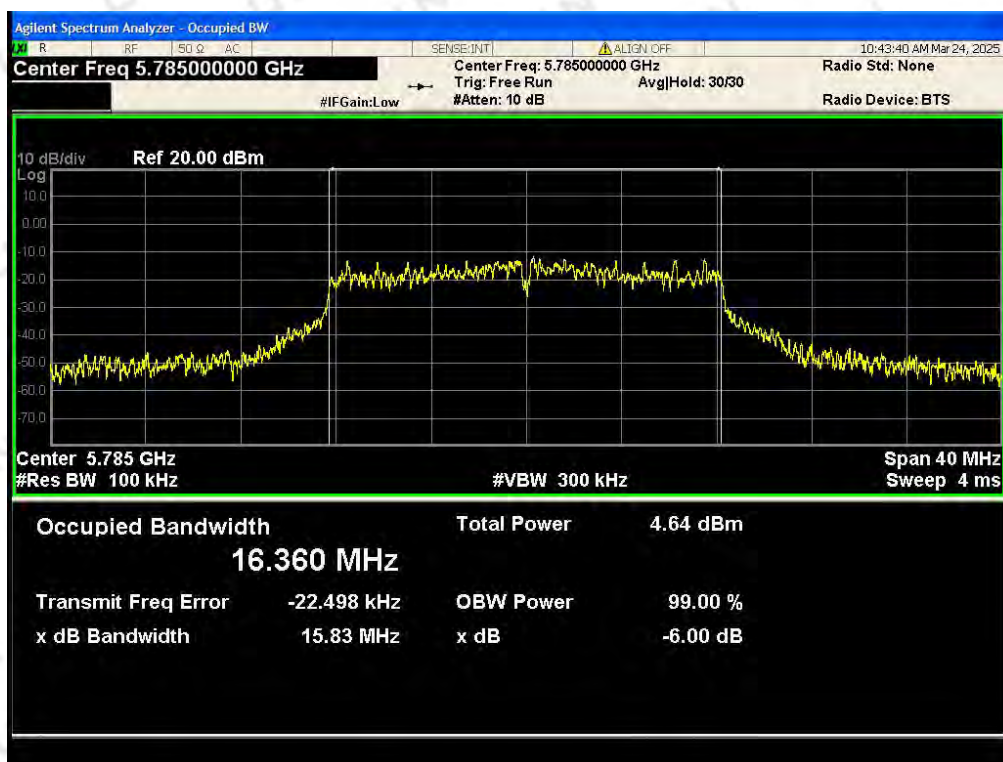
-6 dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 2	16.22	0.5	Pass
NVNT	802.11a	5785	Ant 2	15.83	0.5	Pass
NVNT	802.11a	5825	Ant 2	15.88	0.5	Pass
NVNT	802.11ac20	5745	Ant 2	15.63	0.5	Pass
NVNT	802.11ac20	5785	Ant 2	16.95	0.5	Pass
NVNT	802.11ac20	5825	Ant 2	15.70	0.5	Pass
NVNT	802.11ac40	5755	Ant 2	35.16	0.5	Pass
NVNT	802.11ac40	5795	Ant 2	37.44	0.5	Pass
NVNT	802.11ac80	5775	Ant 2	75.14	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 2	16.57	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 2	16.69	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 2	15.06	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 2	35.41	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 2	35.70	0.5	Pass

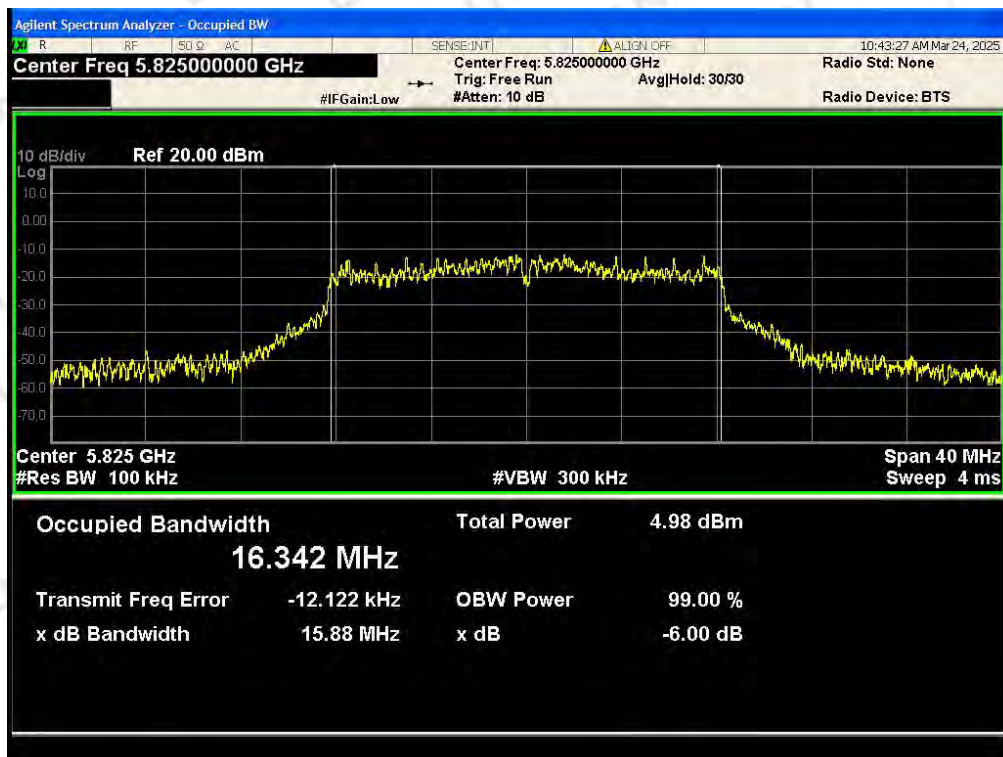
OBW NVNT 802.11a 5745MHz Ant2



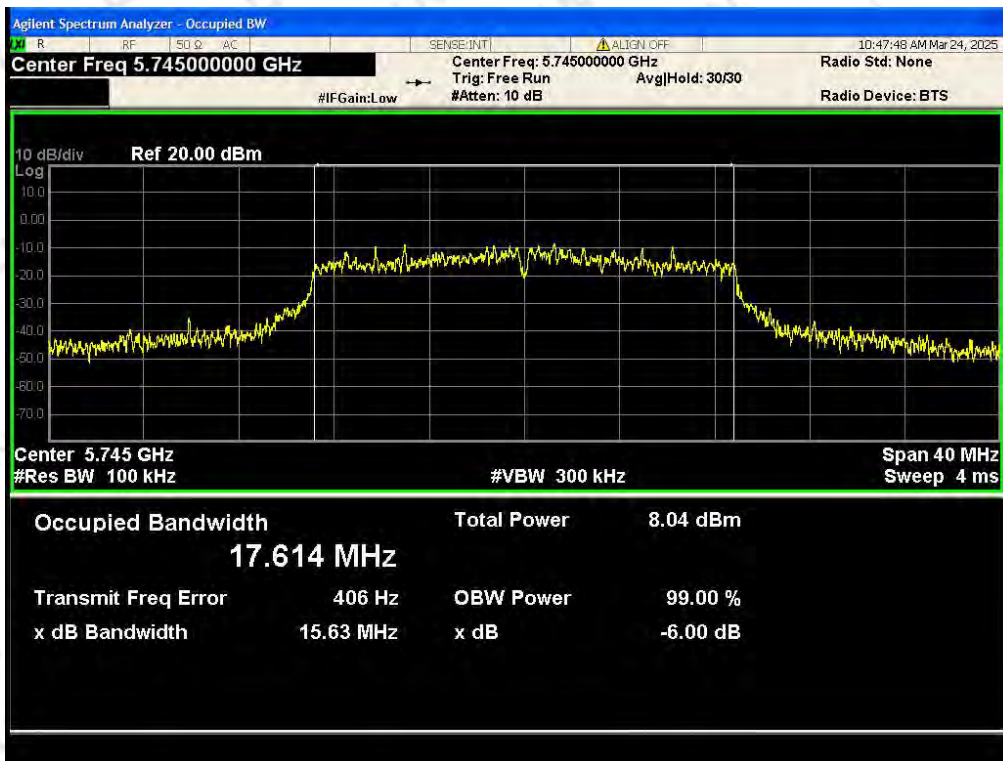
OBW NVNT 802.11a 5785MHz Ant2



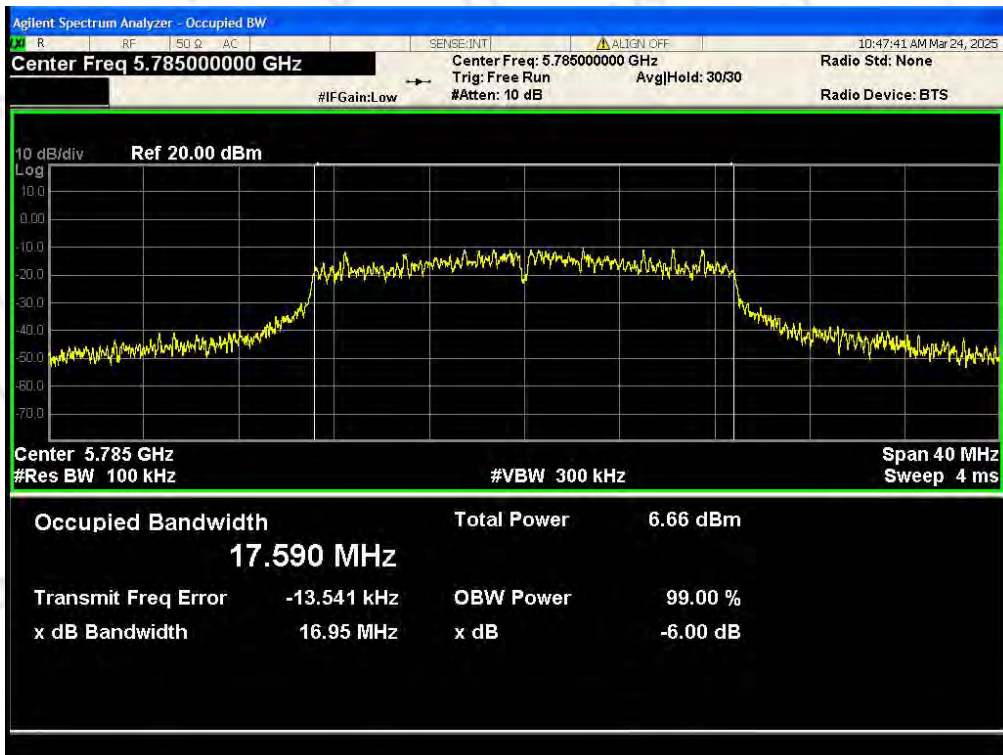
OBW NVNT 802.11a 5825MHz Ant2



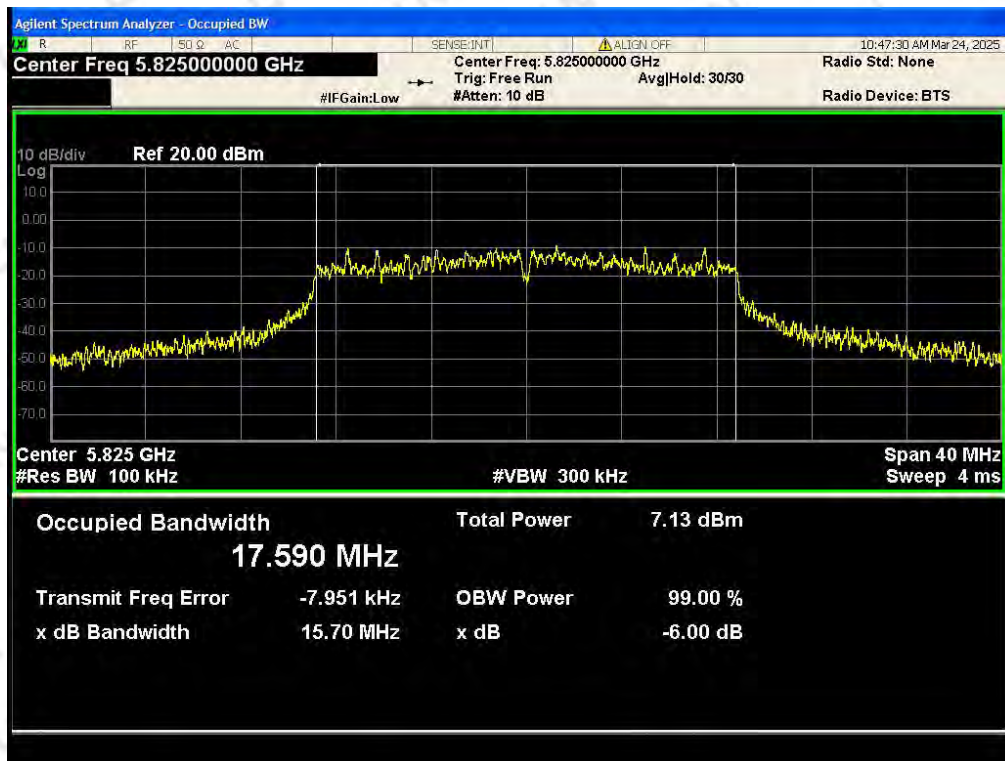
OBW NVNT 802.11ac20 5745MHz Ant2



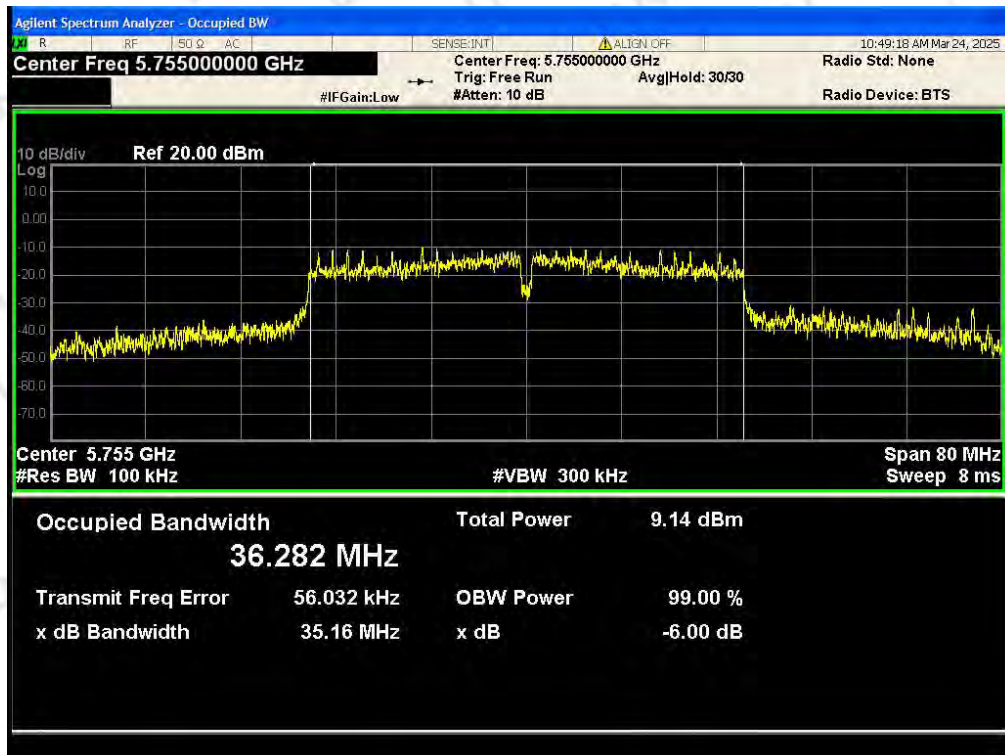
OBW NVNT 802.11ac20 5785MHz Ant2



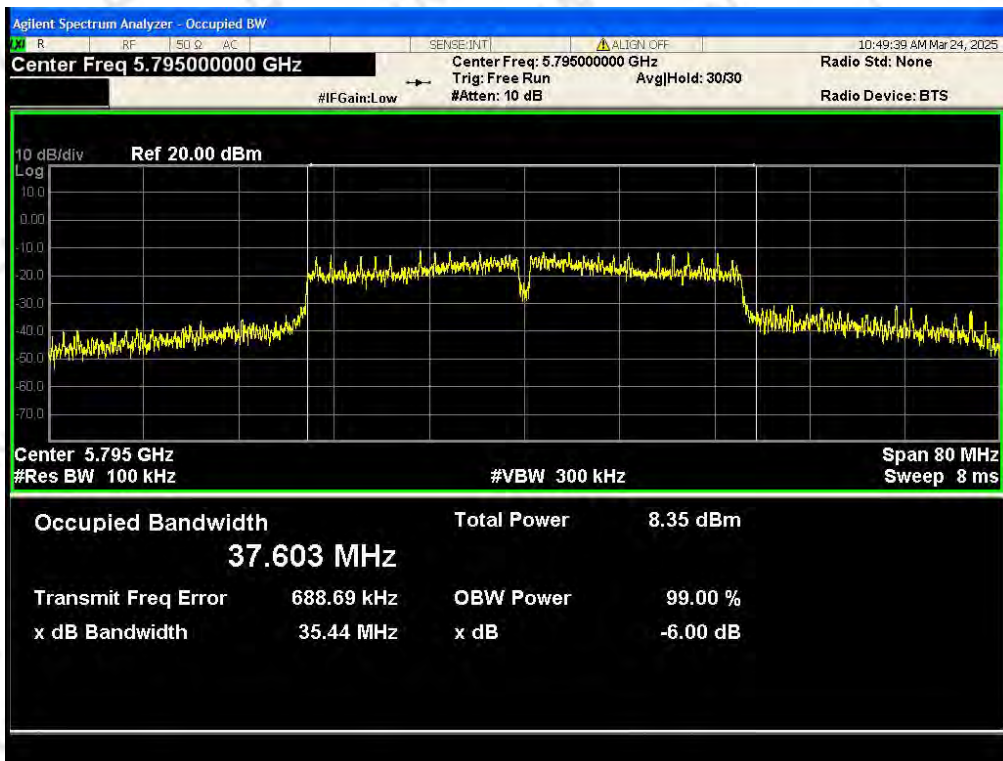
OBW NVNT 802.11ac20 5825MHz Ant2



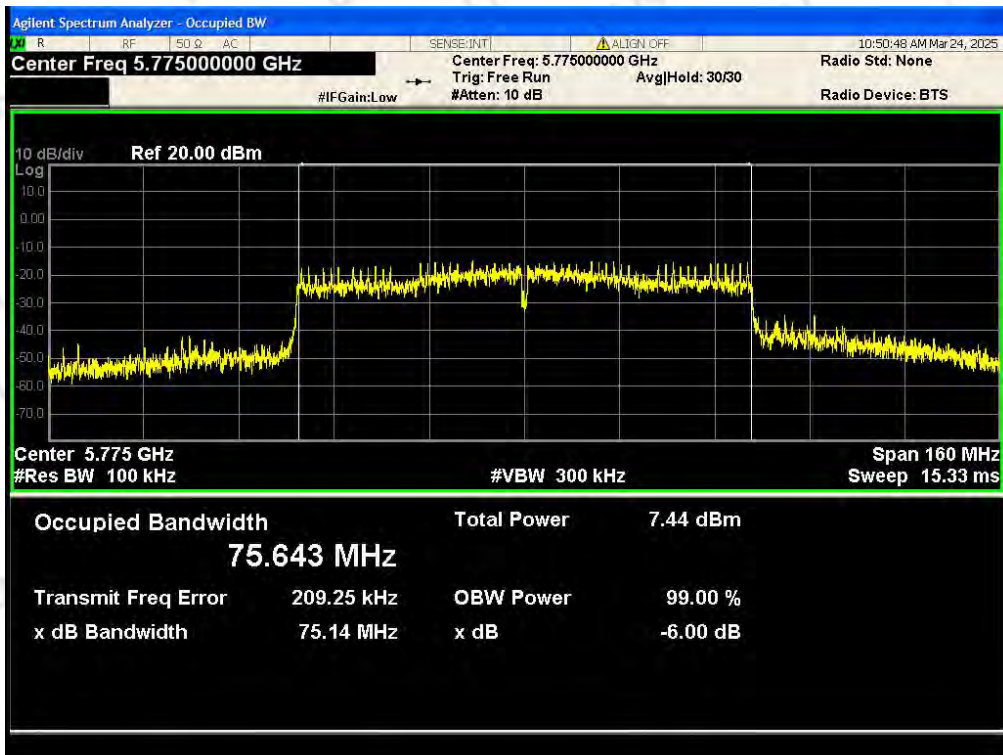
OBW NVNT 802.11ac40 5755MHz Ant2



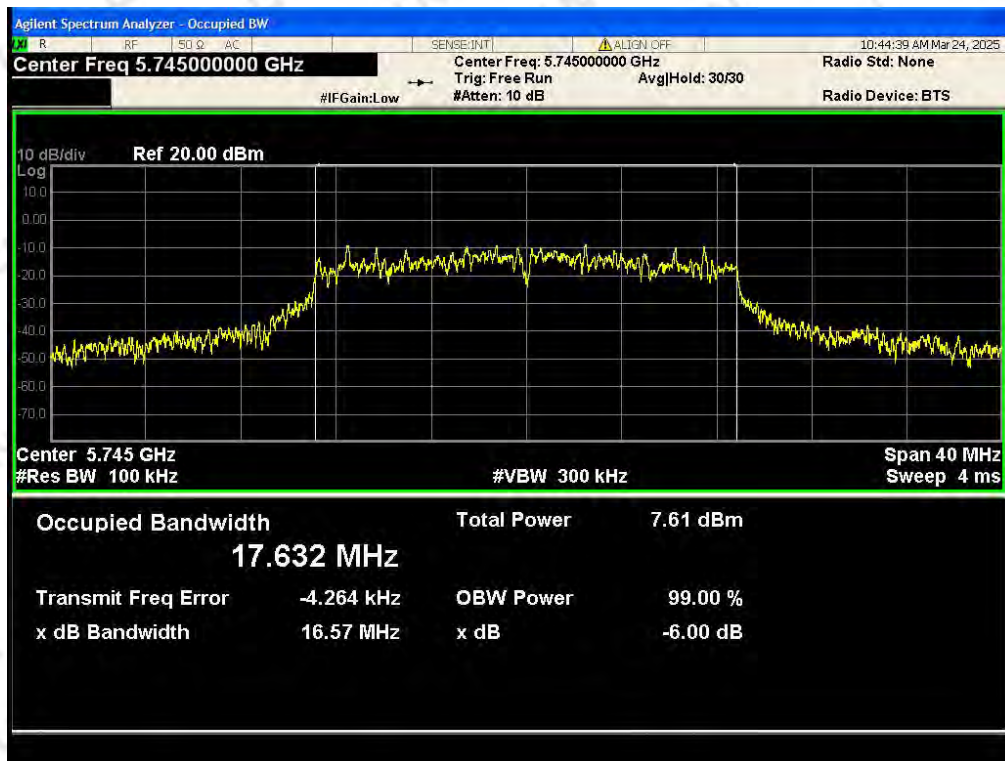
OBW NVNT 802.11ac40 5795MHz Ant2



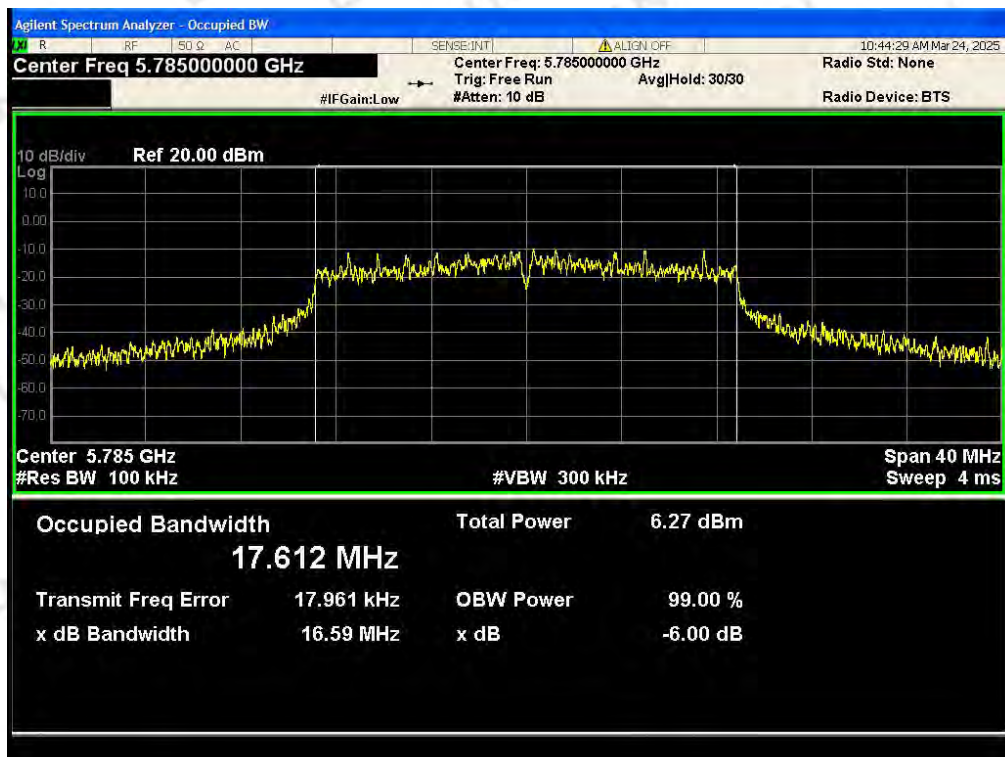
OBW NVNT 802.11ac80 5775MHz Ant2



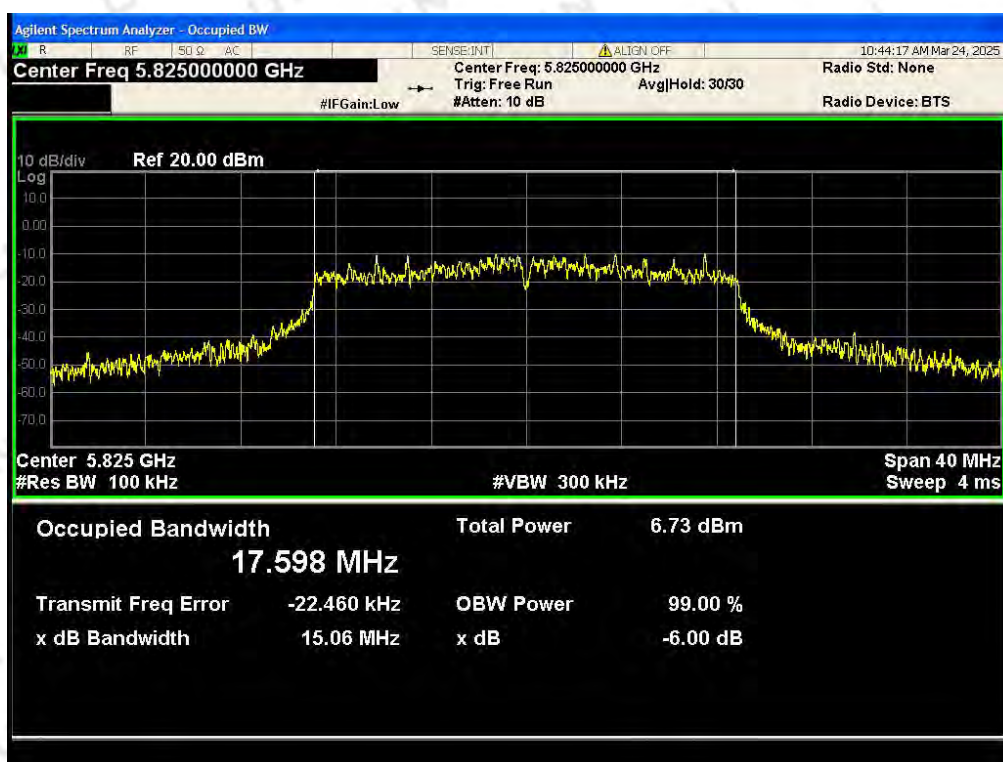
OBW NVNT 802.11n(HT20) 5745MHz Ant2



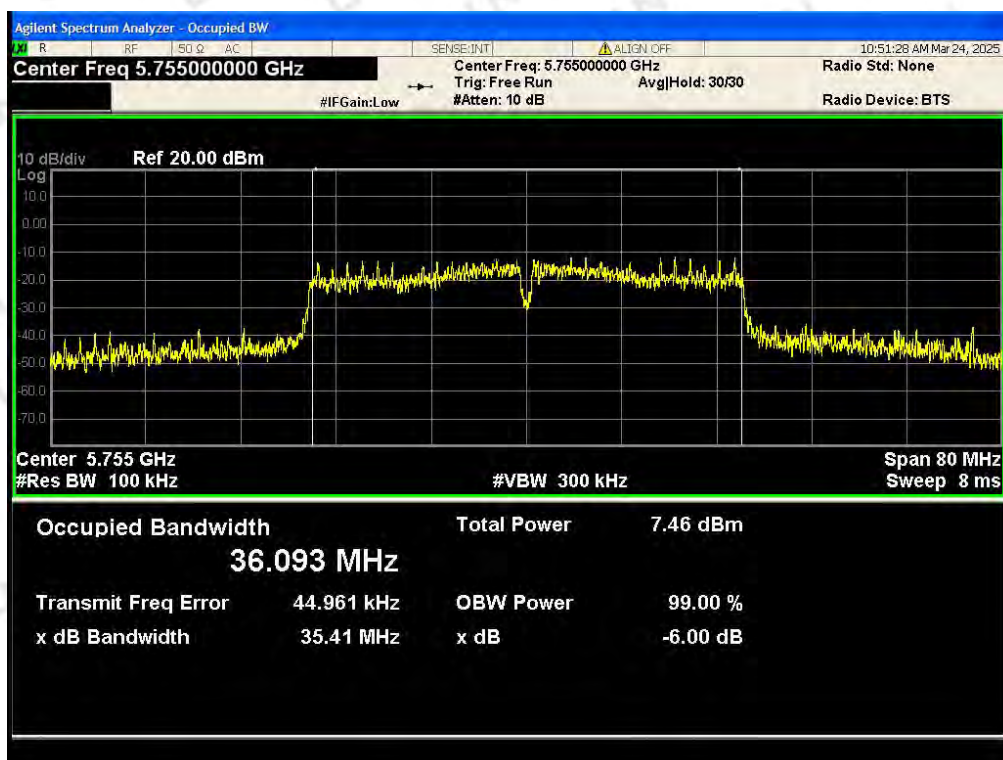
OBW NVNT 802.11n(HT20) 5785MHz Ant2



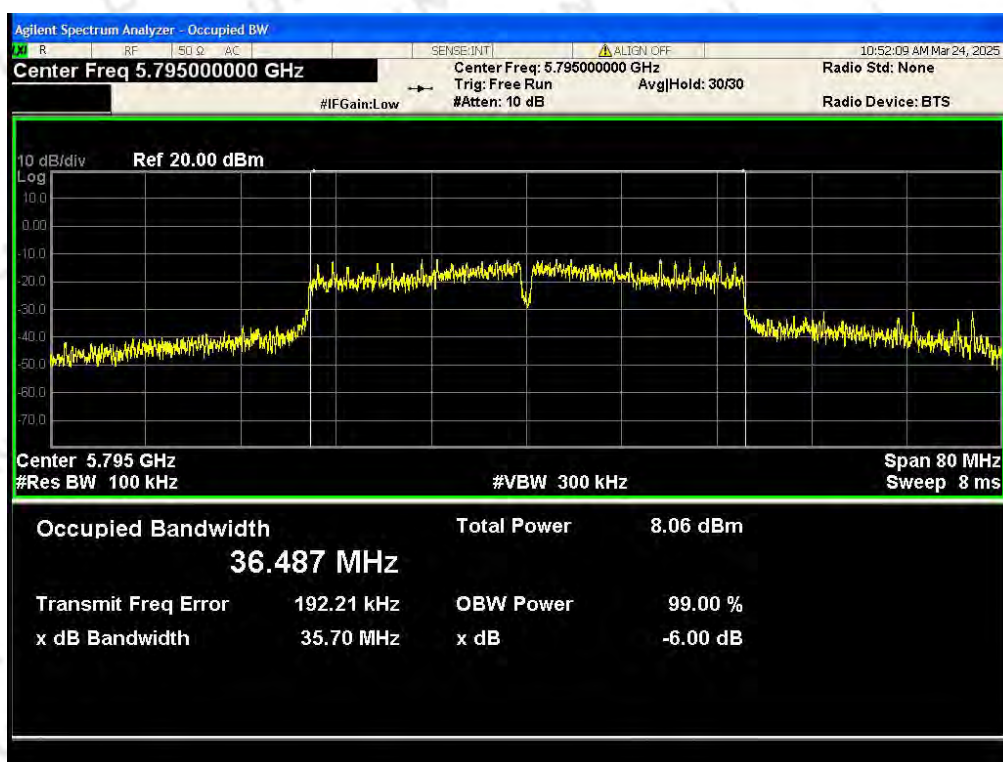
OBW NVNT 802.11n(HT20) 5825MHz Ant2



OBW NVNT 802.11n(HT40) 5755MHz Ant2



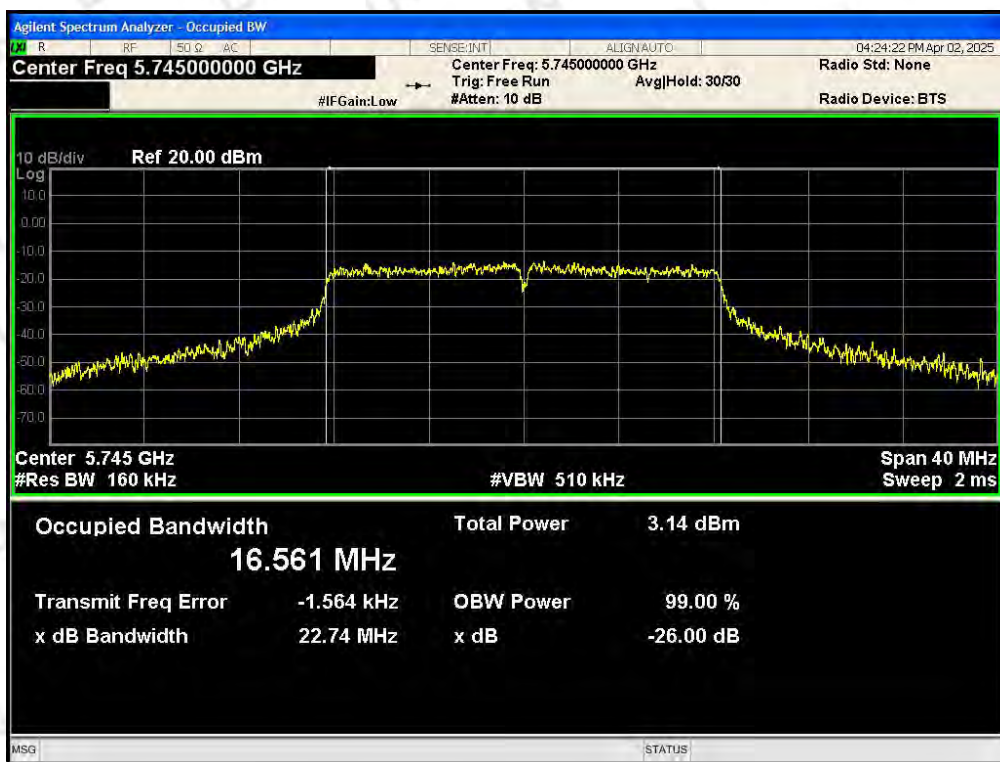
OBW NVNT 802.11n(HT40) 5795MHz Ant2



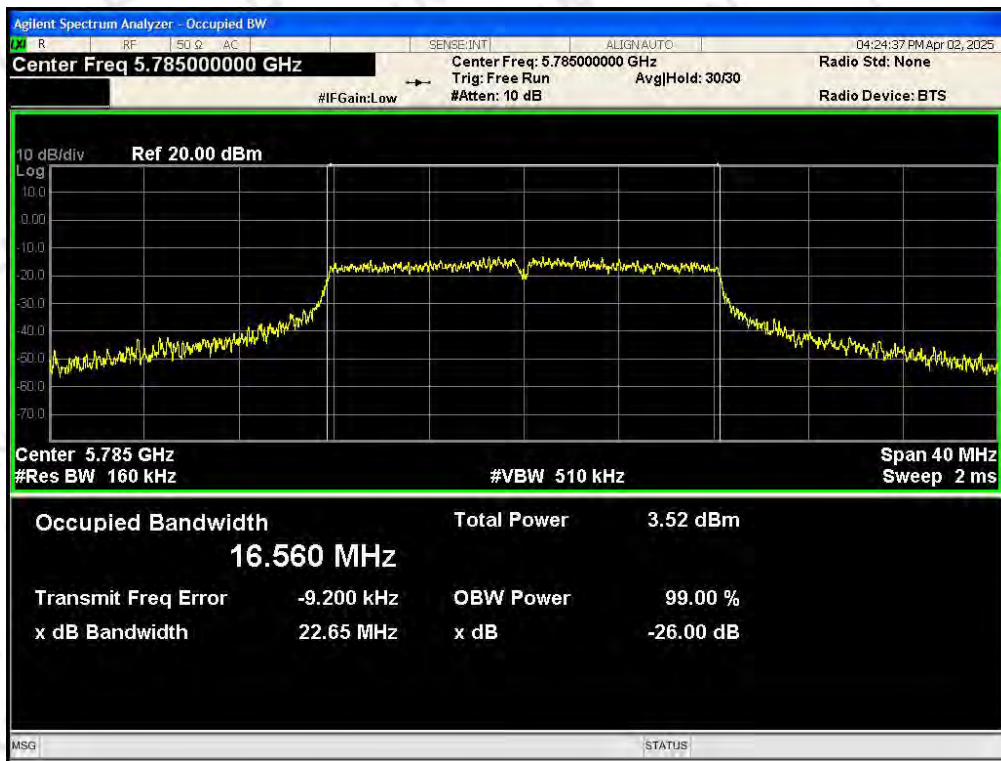
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Verdict
NVNT	802.11a	5745	Ant 2	16.561	Pass
NVNT	802.11a	5785	Ant 2	16.560	Pass
NVNT	802.11a	5825	Ant 2	16.600	Pass
NVNT	802.11ac20	5745	Ant 2	17.810	Pass
NVNT	802.11ac20	5785	Ant 2	17.799	Pass
NVNT	802.11ac20	5825	Ant 2	17.769	Pass
NVNT	802.11ac40	5755	Ant 2	36.075	Pass
NVNT	802.11ac40	5795	Ant 2	36.037	Pass
NVNT	802.11ac80	5775	Ant 2	75.710	Pass
NVNT	802.11n(HT20)	5745	Ant 2	17.754	Pass
NVNT	802.11n(HT20)	5785	Ant 2	17.741	Pass
NVNT	802.11n(HT20)	5825	Ant 2	17.750	Pass
NVNT	802.11n(HT40)	5755	Ant 2	36.053	Pass
NVNT	802.11n(HT40)	5795	Ant 2	36.023	Pass

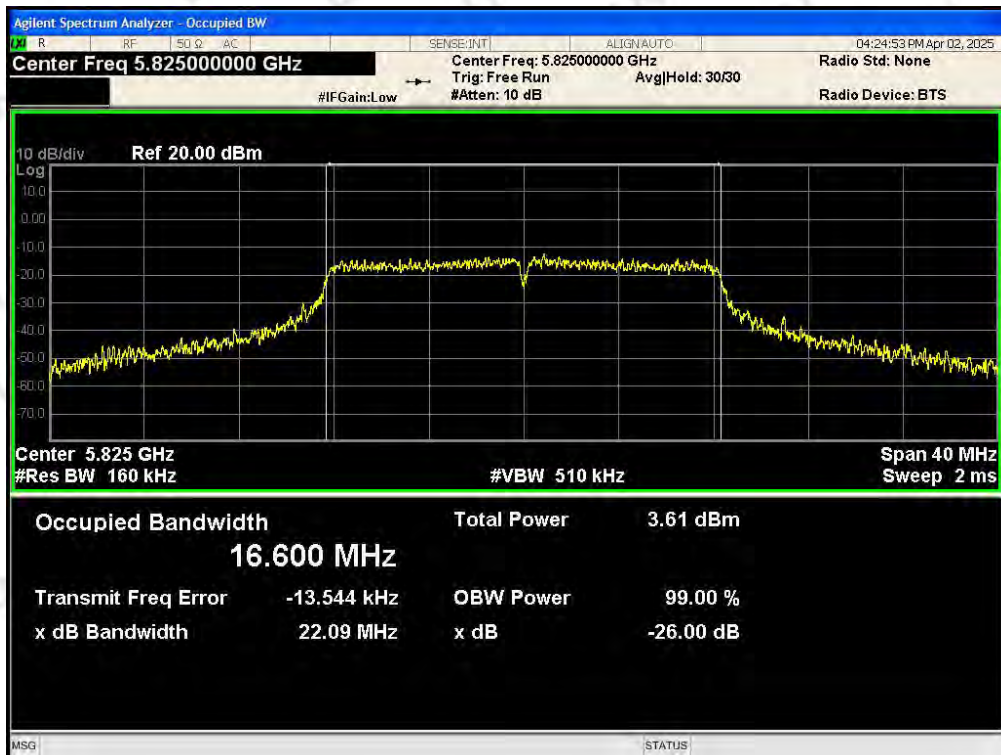
OBW NVNT 802.11a 5745MHz Ant2



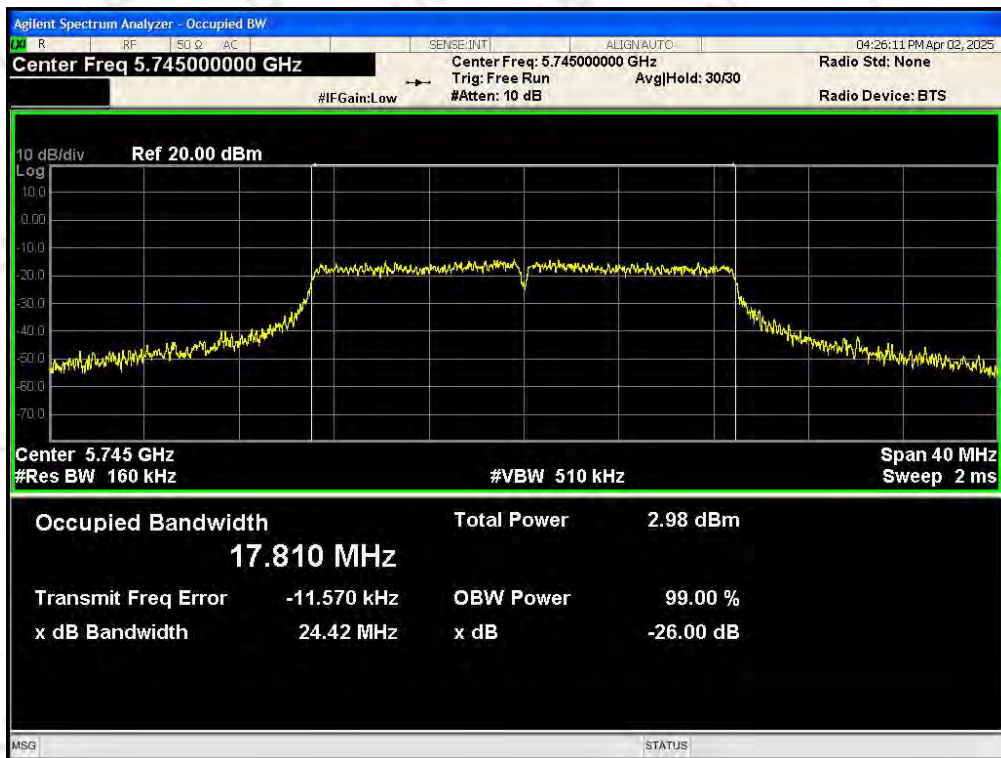
OBW NVNT 802.11a 5785MHz Ant2



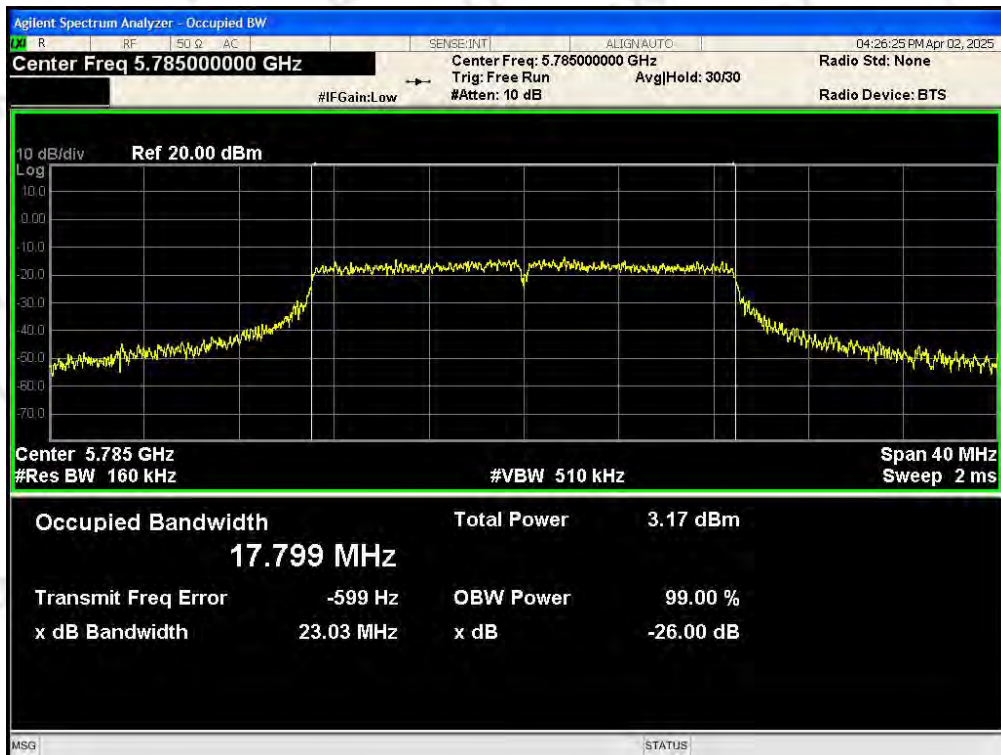
OBW NVNT 802.11a 5825MHz Ant2



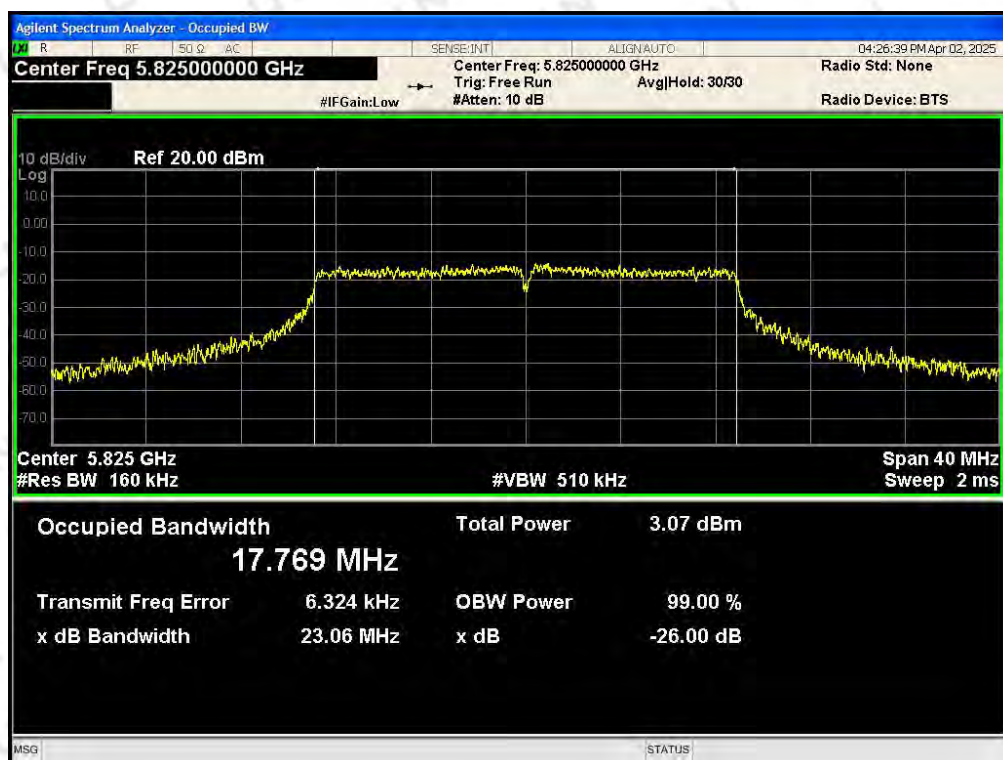
OBW NVNT 802.11ac20 5745MHz Ant2



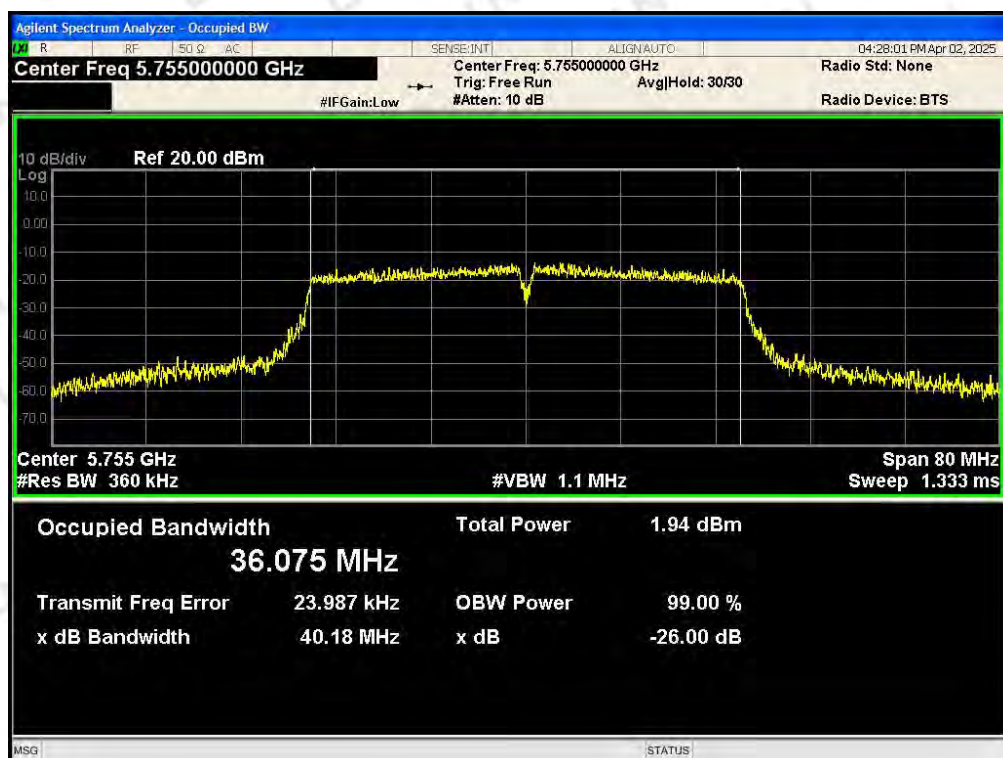
OBW NVNT 802.11ac20 5785MHz Ant2



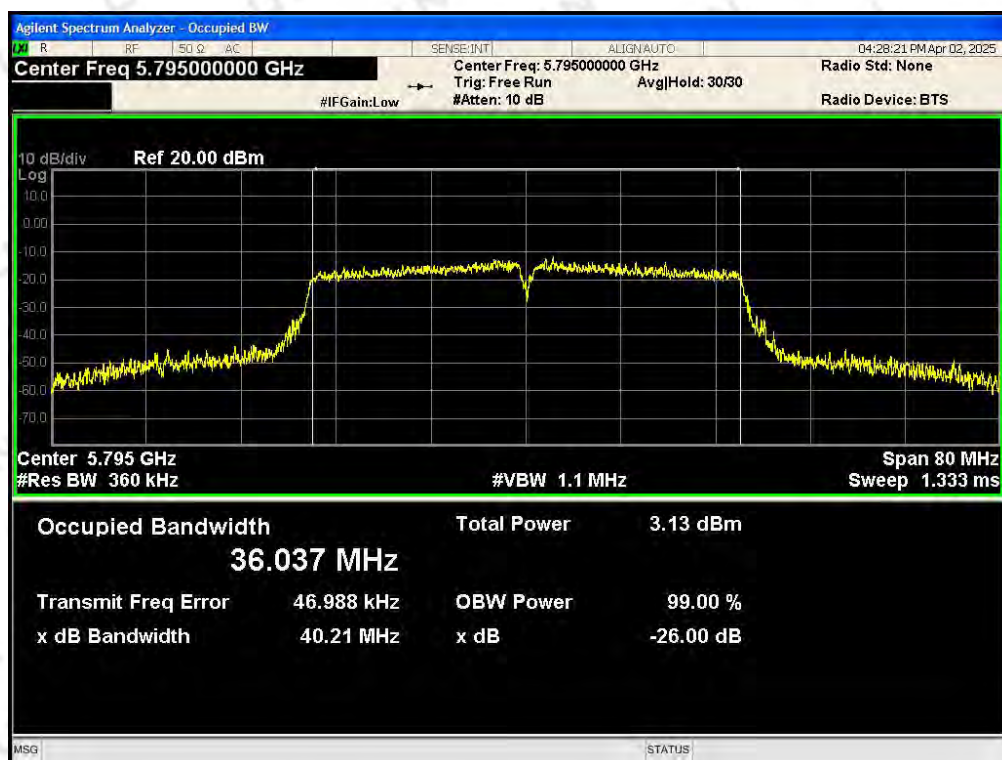
OBW NVNT 802.11ac20 5825MHz Ant2



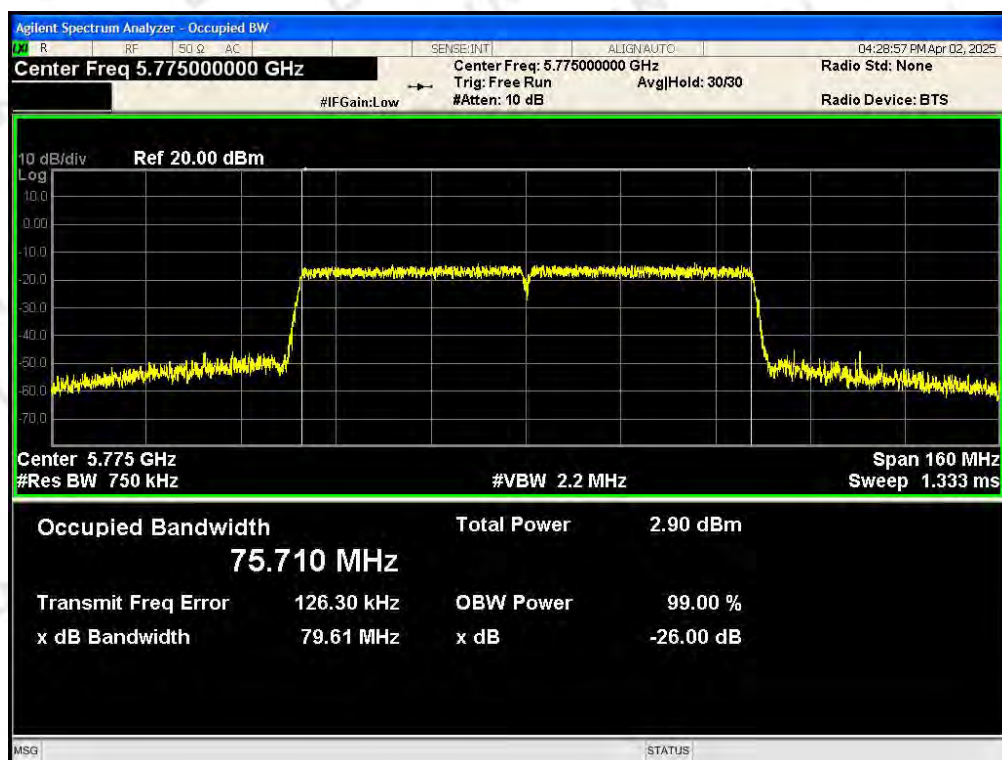
OBW NVNT 802.11ac40 5755MHz Ant2



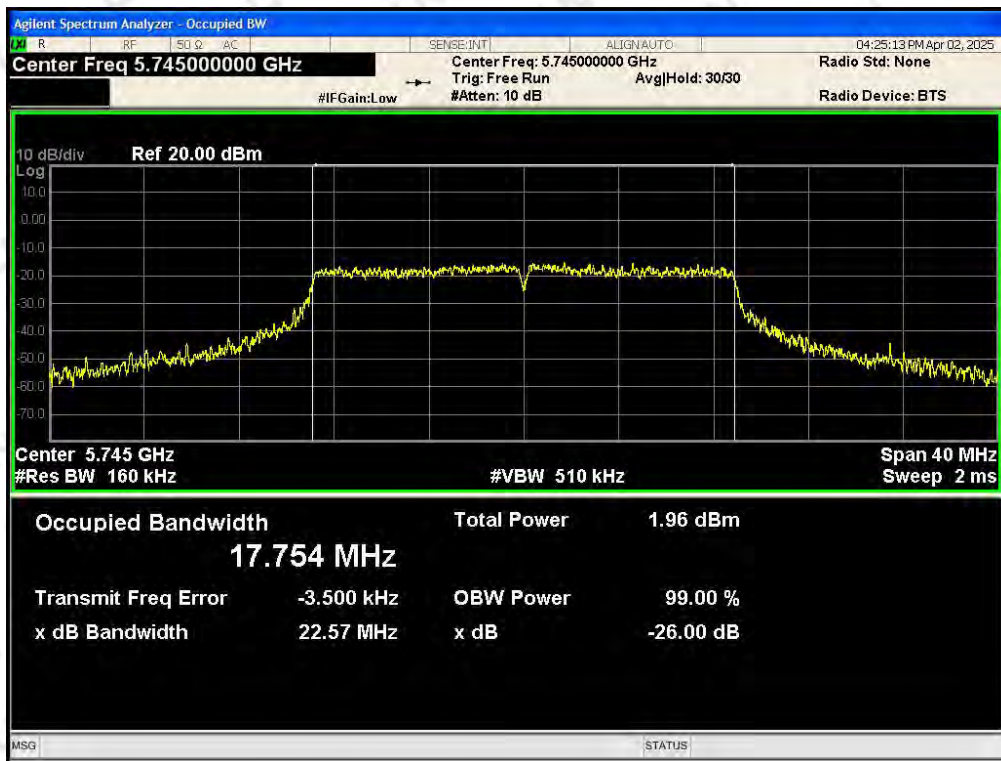
OBW NVNT 802.11ac40 5795MHz Ant2



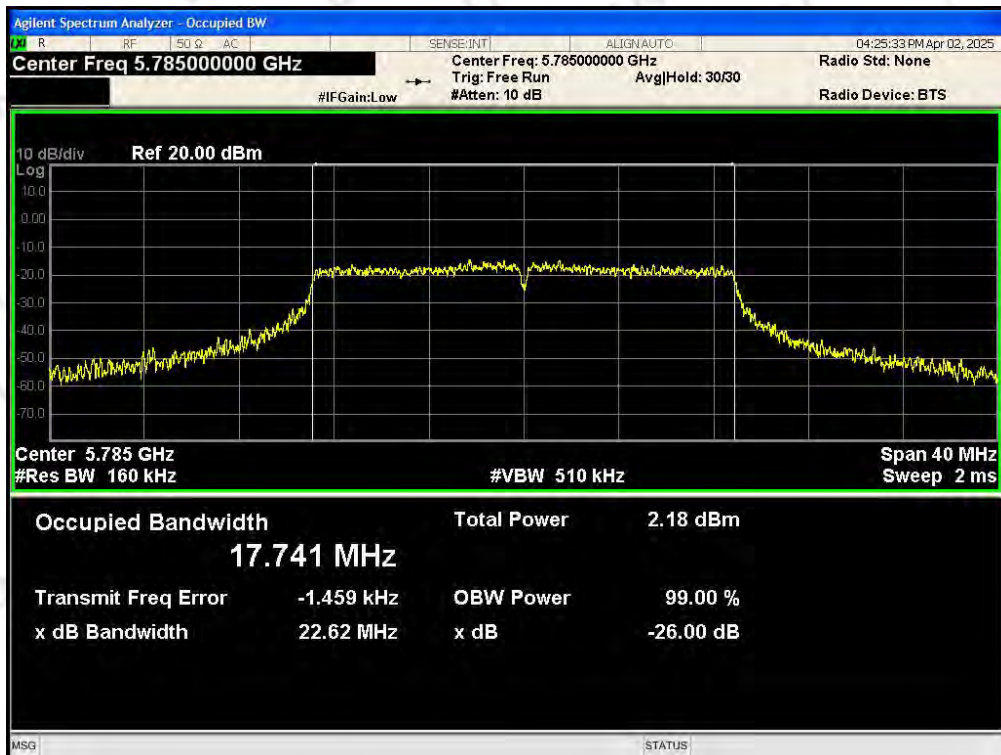
OBW NVNT 802.11ac80 5775MHz Ant2



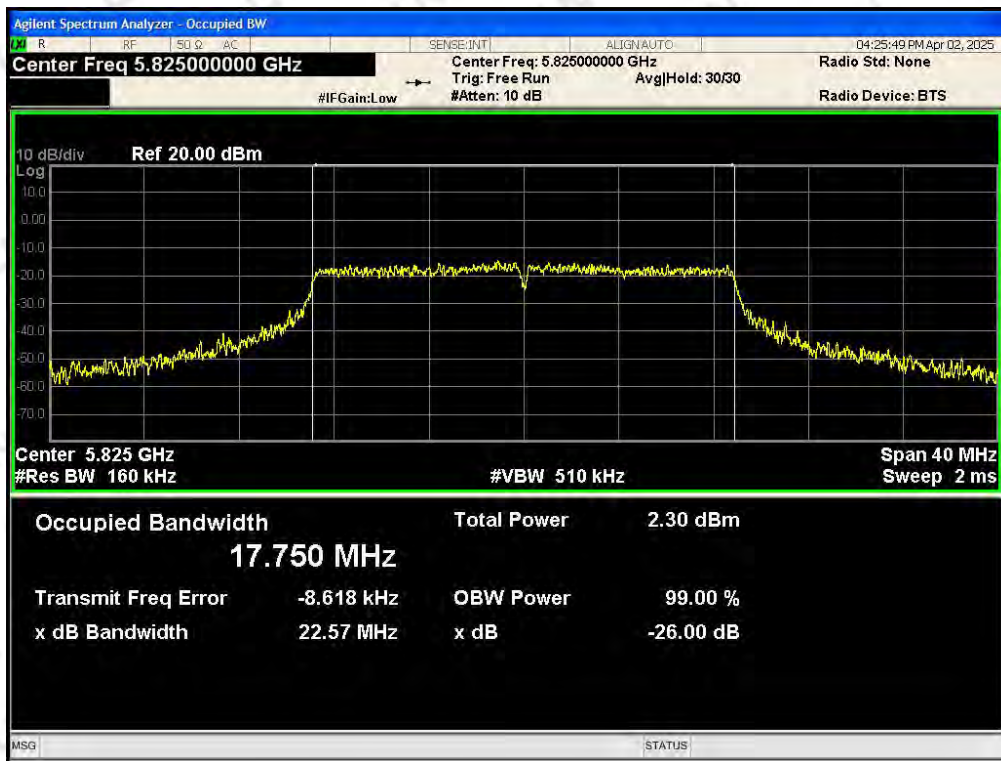
OBW NVNT 802.11n(HT20) 5745MHz Ant2



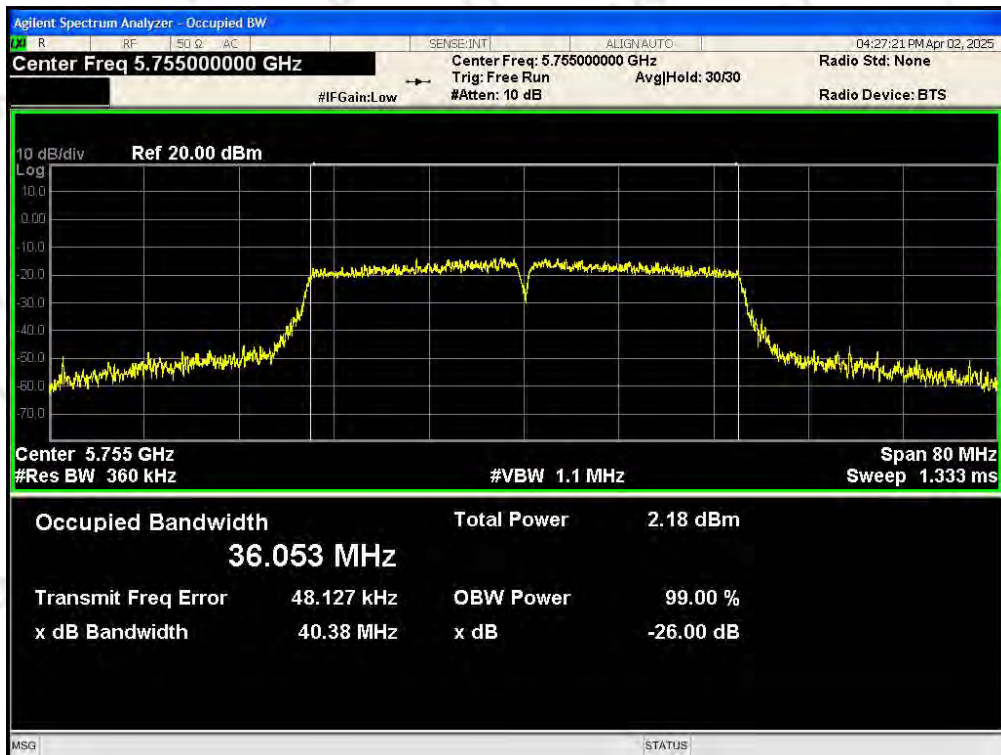
OBW NVNT 802.11n(HT20) 5785MHz Ant2



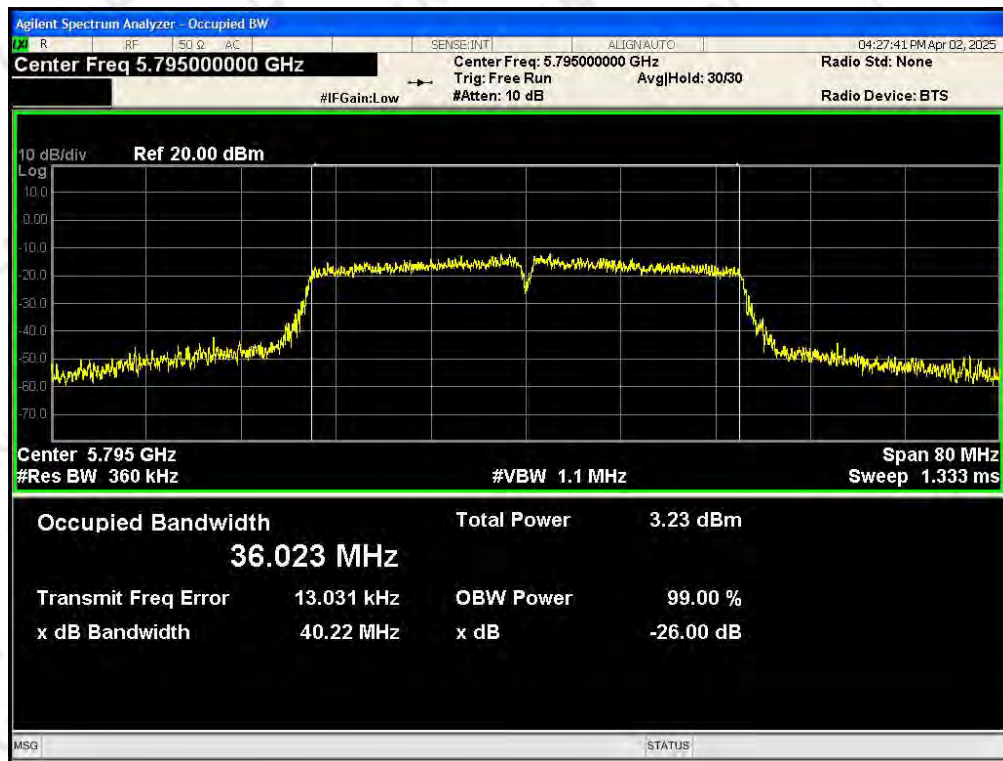
OBW NVNT 802.11n(HT20) 5825MHz Ant2



OBW NVNT 802.11n(HT40) 5755MHz Ant2



OBW NVNT 802.11n(HT40) 5795MHz Ant2



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 2	2.834	0	2.834	30	Pass
NVNT	802.11a	5785	Ant 2	3.618	0	3.618	30	Pass
NVNT	802.11a	5825	Ant 2	4.289	0	4.289	30	Pass
NVNT	802.11ac20	5745	Ant 2	3.268	0	3.268	30	Pass
NVNT	802.11ac20	5785	Ant 2	3.638	0	3.638	30	Pass
NVNT	802.11ac20	5825	Ant 2	4.225	0	4.225	30	Pass
NVNT	802.11ac40	5755	Ant 2	3.808	0	3.808	30	Pass
NVNT	802.11ac40	5795	Ant 2	3.82	0	3.82	30	Pass
NVNT	802.11ac80	5775	Ant 2	-1.269	0	-1.269	30	Pass
NVNT	802.11n(HT20)	5745	Ant 2	3.869	0	3.869	30	Pass
NVNT	802.11n(HT20)	5785	Ant 2	3.18	0	3.18	30	Pass
NVNT	802.11n(HT20)	5825	Ant 2	3.575	0	3.575	30	Pass
NVNT	802.11n(HT40)	5755	Ant 2	2.593	0	2.593	30	Pass
NVNT	802.11n(HT40)	5795	Ant 2	3.184	0	3.184	30	Pass

PSD NVNT 802.11a 5745MHz Ant2



PSD NVNT 802.11a 5785MHz Ant2



PSD NVNT 802.11a 5825MHz Ant2



PSD NVNT 802.11ac20 5745MHz Ant2



PSD NVNT 802.11ac20 5785MHz Ant2



PSD NVNT 802.11ac20 5825MHz Ant2



PSD NVNT 802.11ac40 5755MHz Ant2



PSD NVNT 802.11ac40 5795MHz Ant2



PSD NVNT 802.11ac80 5775MHz Ant2



PSD NVNT 802.11n(HT20) 5745MHz Ant2



PSD NVNT 802.11n(HT20) 5785MHz Ant2



PSD NVNT 802.11n(HT20) 5825MHz Ant2



PSD NVNT 802.11n(HT40) 5755MHz Ant2



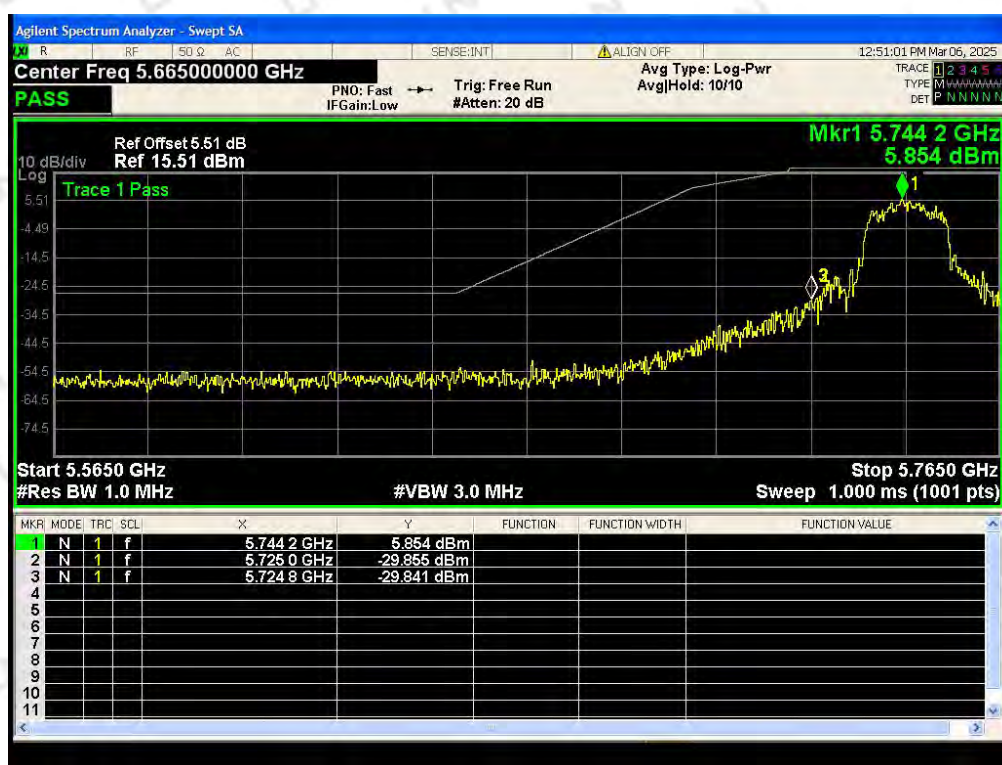
PSD NVNT 802.11n(HT40) 5795MHz Ant2



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	802.11a	5745	Ant 2	-29.84	Pass
NVNT	802.11a	5825	Ant 2	-32.93	Pass
NVNT	802.11ac20	5745	Ant 2	-26.59	Pass
NVNT	802.11ac20	5825	Ant 2	-34.67	Pass
NVNT	802.11ac40	5755	Ant 2	-21.34	Pass
NVNT	802.11ac40	5795	Ant 2	-28.63	Pass
NVNT	802.11ac80	5775	Ant 2	-30.05	Pass
NVNT	802.11n(HT20)	5745	Ant 2	-27.76	Pass
NVNT	802.11n(HT20)	5825	Ant 2	-34.57	Pass
NVNT	802.11n(HT40)	5755	Ant 2	-21.63	Pass
NVNT	802.11n(HT40)	5795	Ant 2	-32.82	Pass

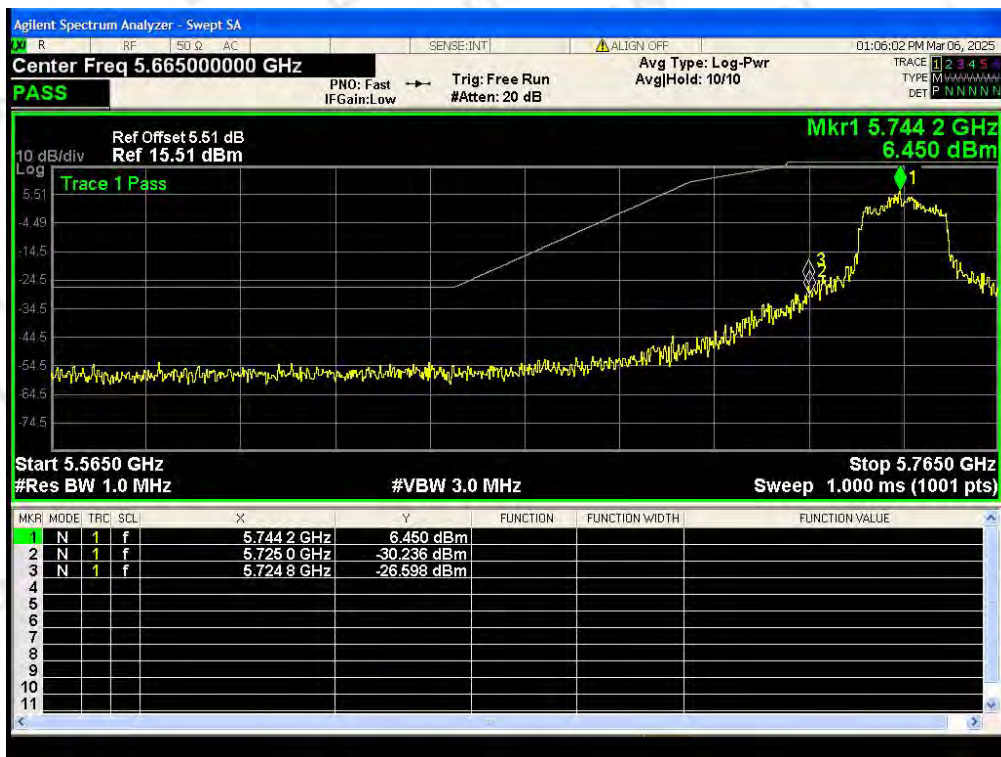
Band Edge NVNT 802.11a 5745MHz Ant2



Band Edge NVNT 802.11a 5825MHz Ant2



Band Edge NVNT 802.11ac20 5745MHz Ant2



Band Edge NVNT 802.11ac20 5825MHz Ant2



Band Edge NVNT 802.11ac40 5755MHz Ant2



Band Edge NVNT 802.11ac40 5795MHz Ant2



Band Edge NVNT 802.11ac80 5775MHz Ant2



Band Edge NVNT 802.11n(HT20) 5745MHz Ant2



Band Edge NVNT 802.11n(HT20) 5825MHz Ant2



Band Edge NVNT 802.11n(HT40) 5755MHz Ant2



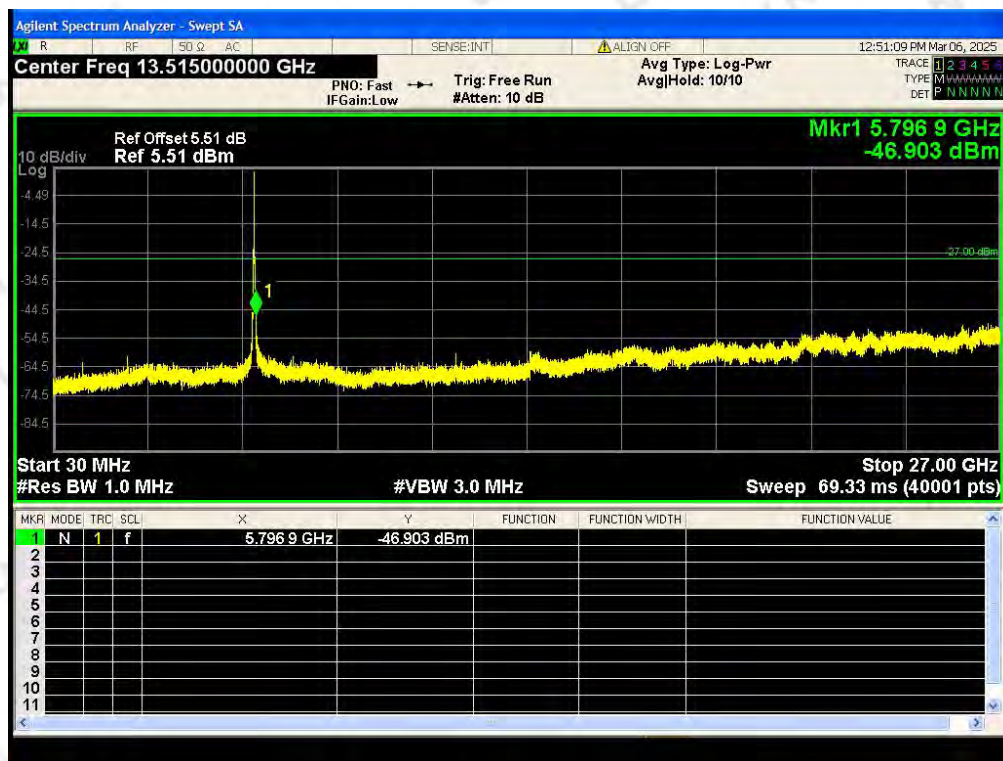
Band Edge NVNT 802.11n(HT40) 5795MHz Ant2



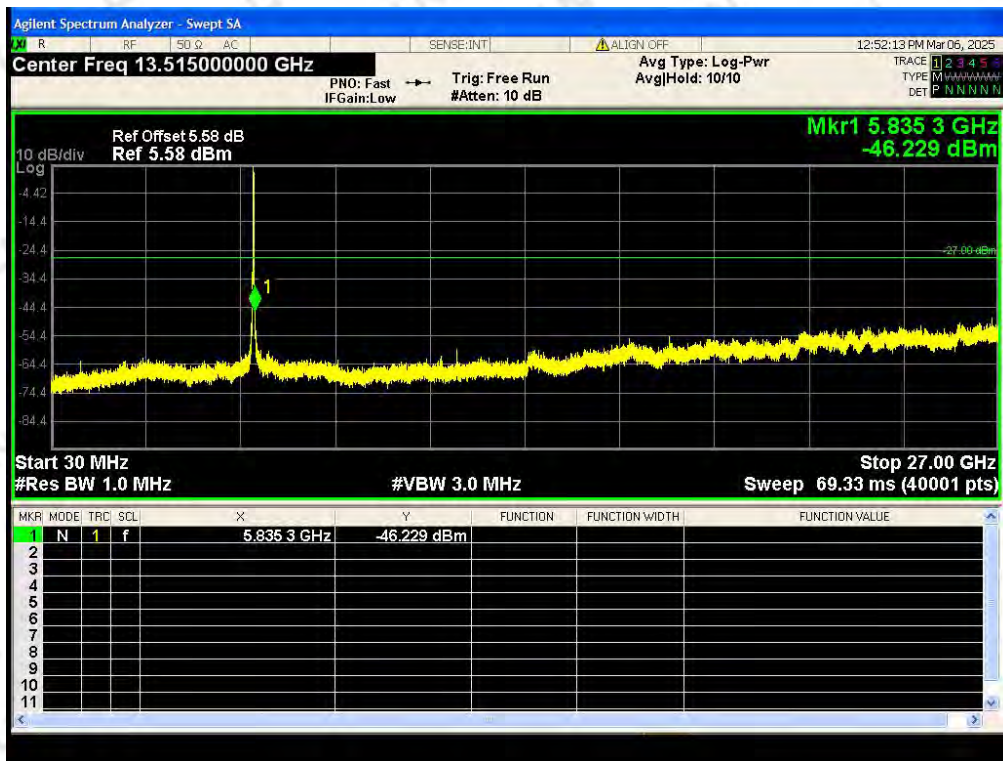
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 2	-46.9	-27	Pass
NVNT	802.11a	5785	Ant 2	-46.22	-27	Pass
NVNT	802.11a	5825	Ant 2	-48.78	-27	Pass
NVNT	802.11ac20	5745	Ant 2	-49.72	-27	Pass
NVNT	802.11ac20	5785	Ant 2	-49.93	-27	Pass
NVNT	802.11ac20	5825	Ant 2	-49.01	-27	Pass
NVNT	802.11ac40	5755	Ant 2	-46.36	-27	Pass
NVNT	802.11ac40	5795	Ant 2	-43.9	-27	Pass
NVNT	802.11ac80	5775	Ant 2	-49.45	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 2	-45.45	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 2	-48.88	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 2	-49.5	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 2	-46.57	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 2	-45.68	-27	Pass

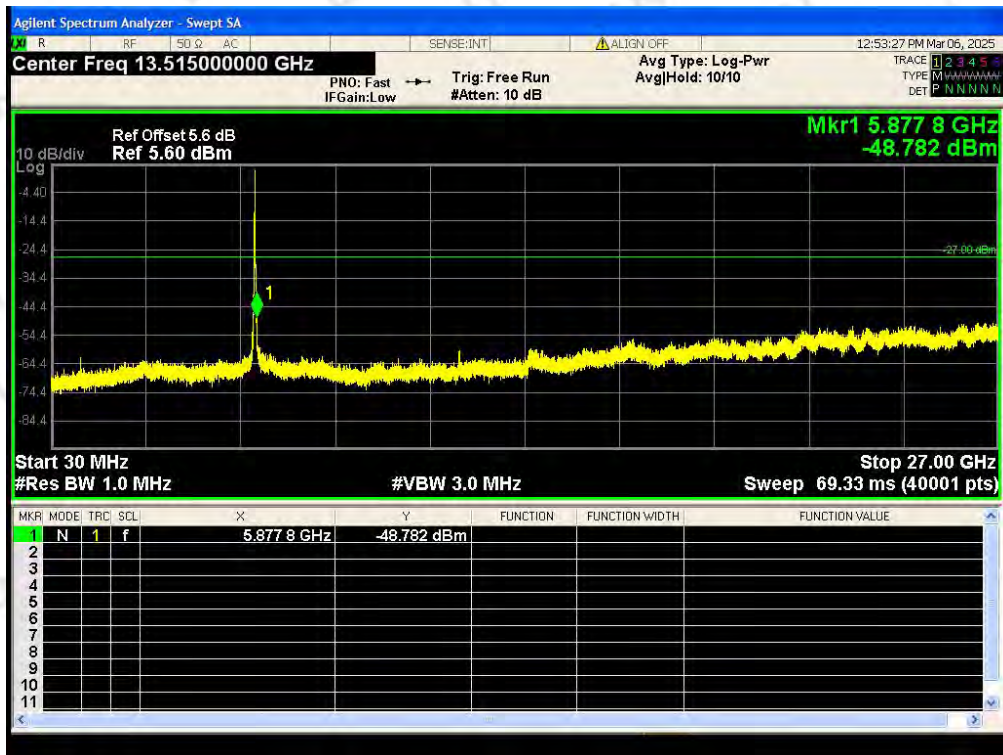
Tx. Spurious NVNT 802.11a 5745MHz Ant2 Emission



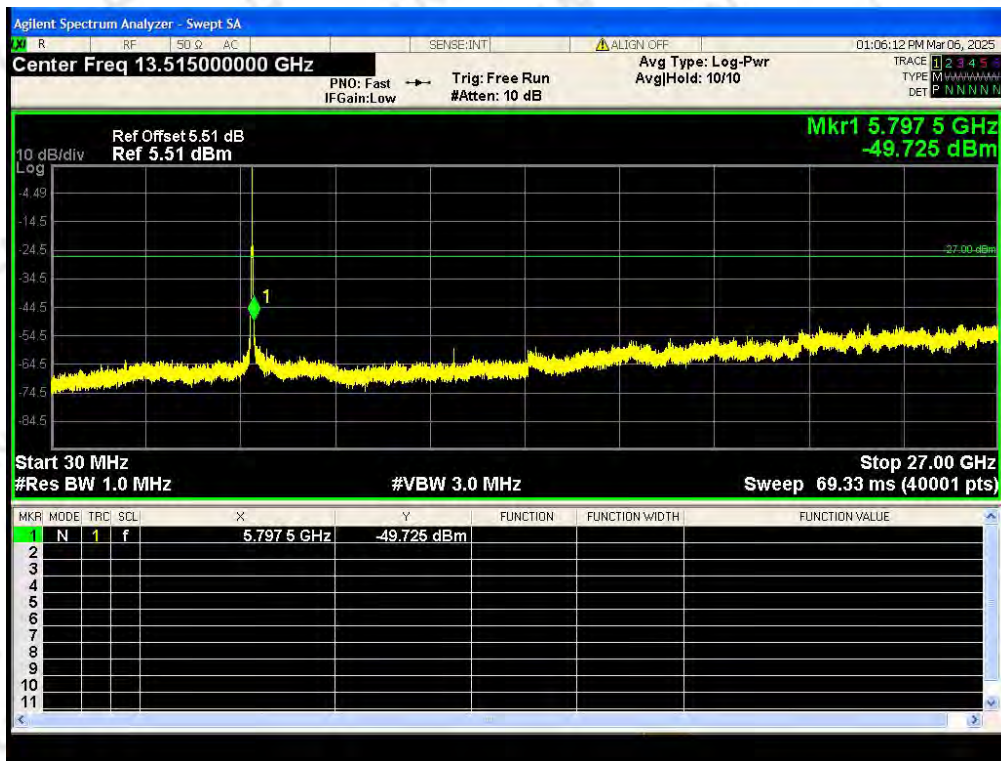
Tx. Spurious NVNT 802.11a 5785MHz Ant2 Emission



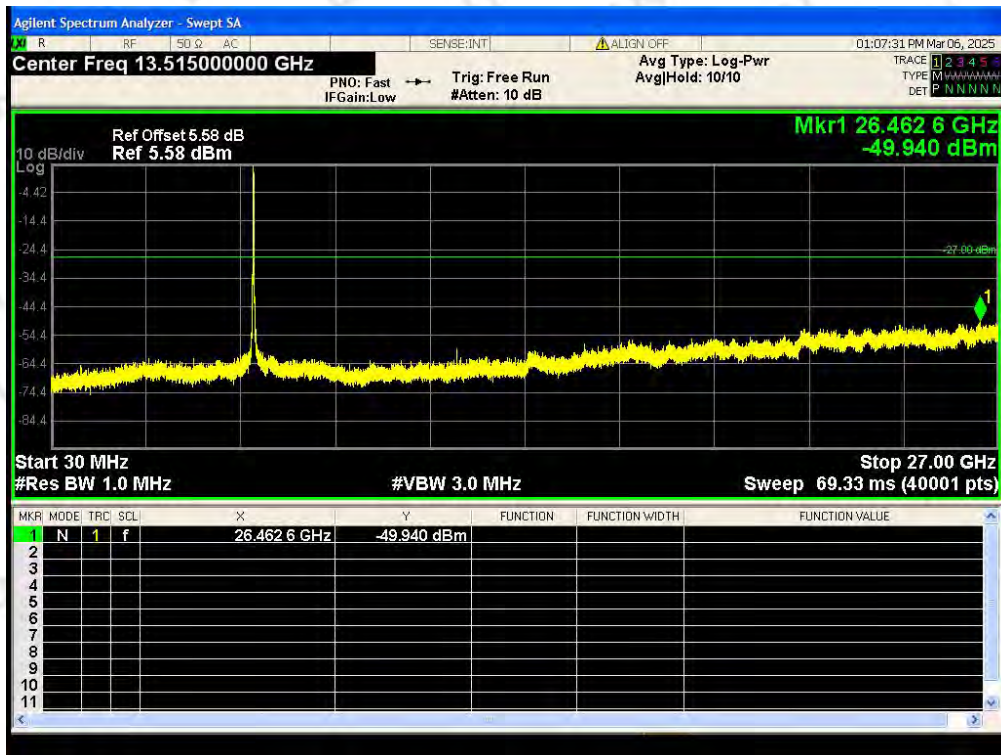
Tx. Spurious NVNT 802.11a 5825MHz Ant2 Emission



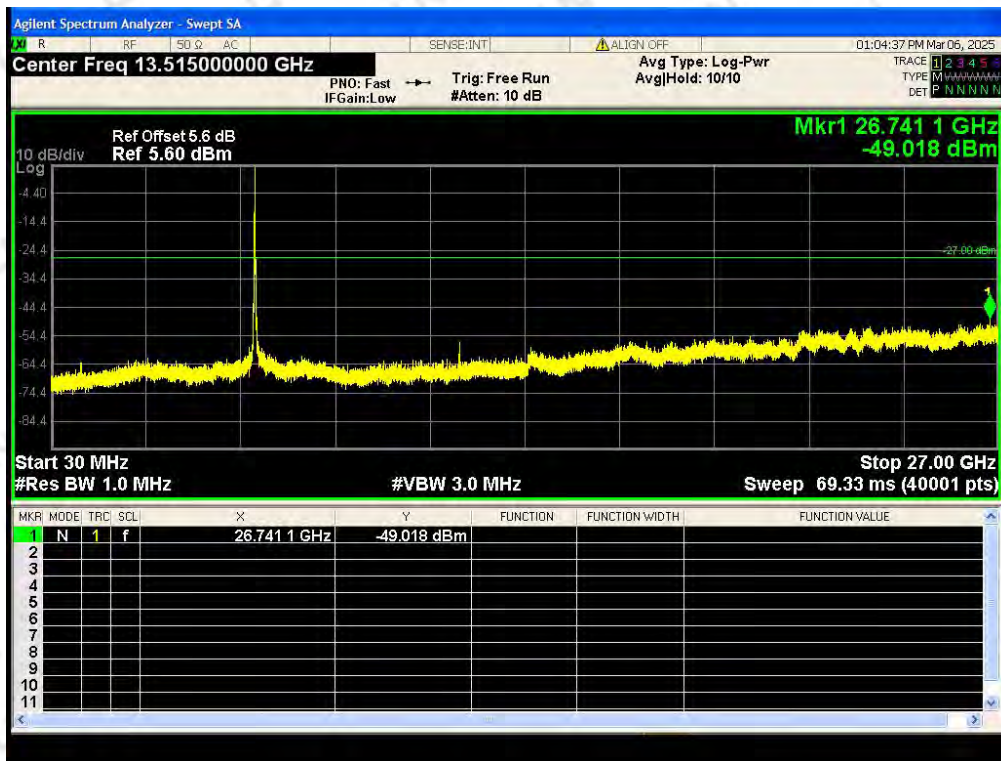
Tx. Spurious NVNT 802.11ac20 5745MHz Ant2 Emission



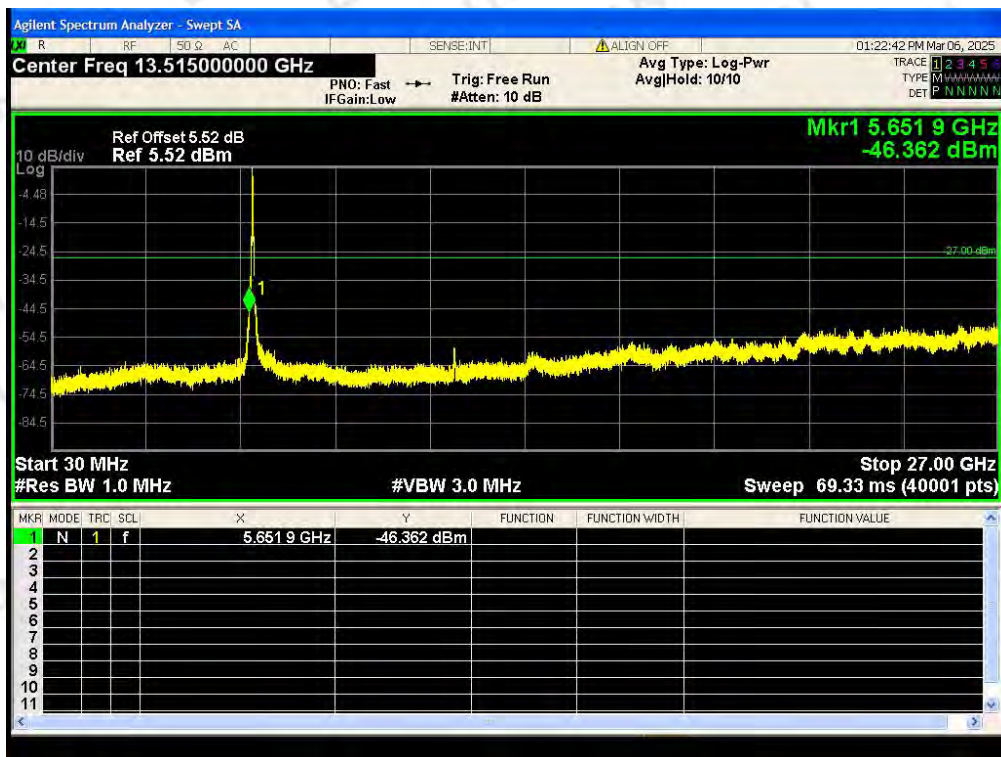
Tx. Spurious NVNT 802.11ac20 5785MHz Ant2 Emission



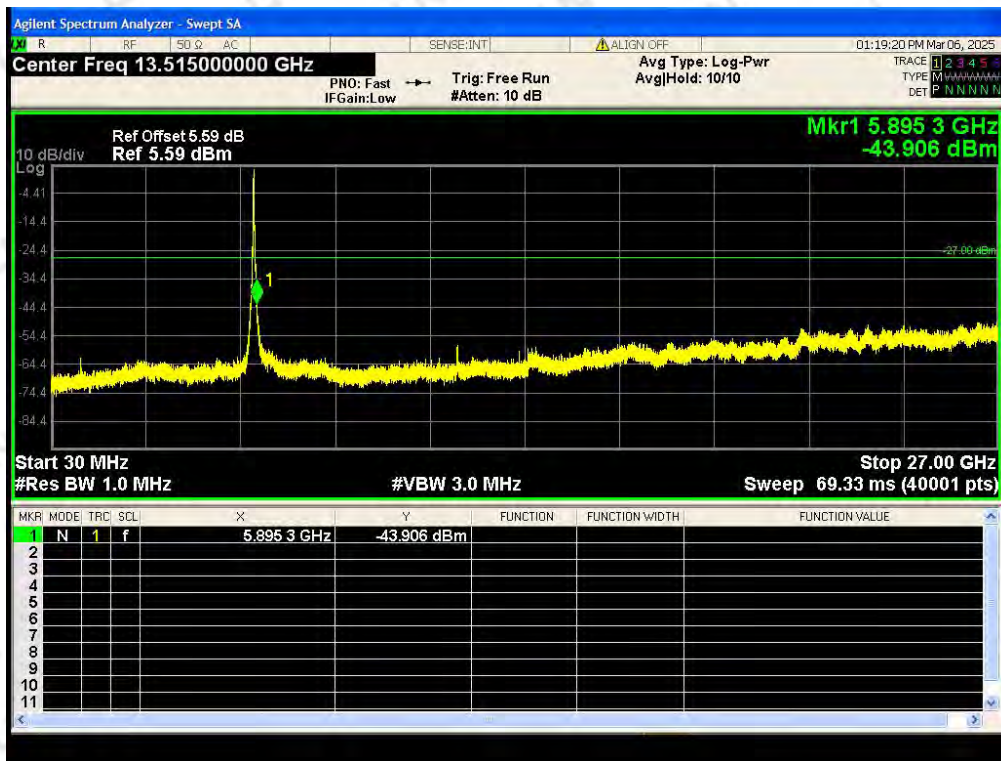
Tx. Spurious NVNT 802.11ac20 5825MHz Ant2 Emission



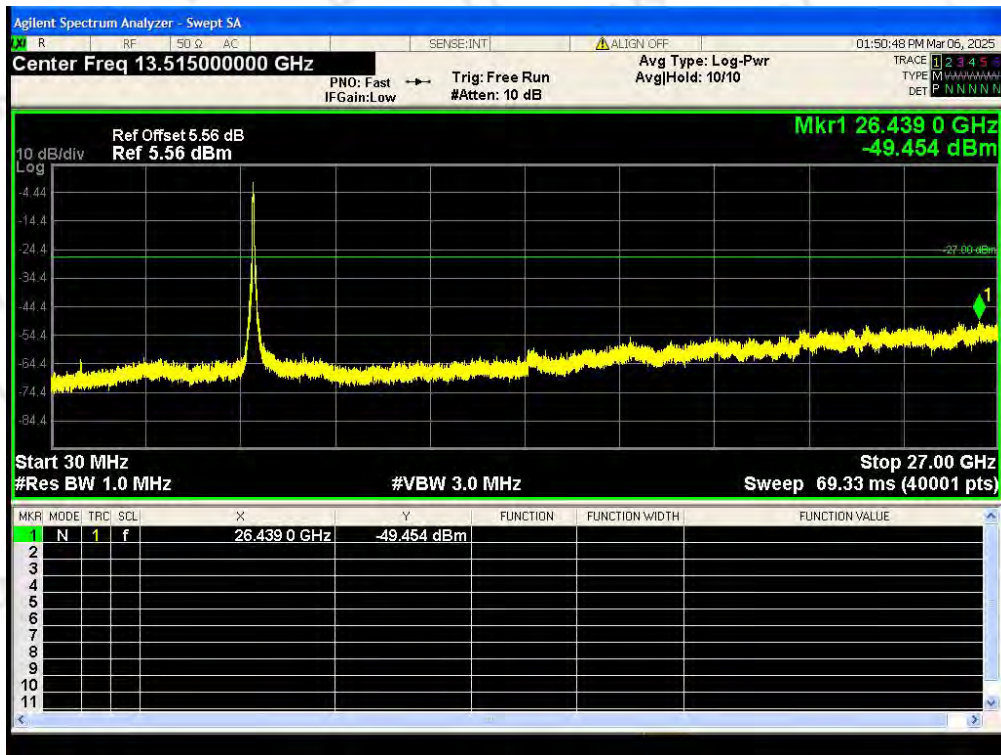
Tx. Spurious NVNT 802.11ac40 5755MHz Ant2 Emission



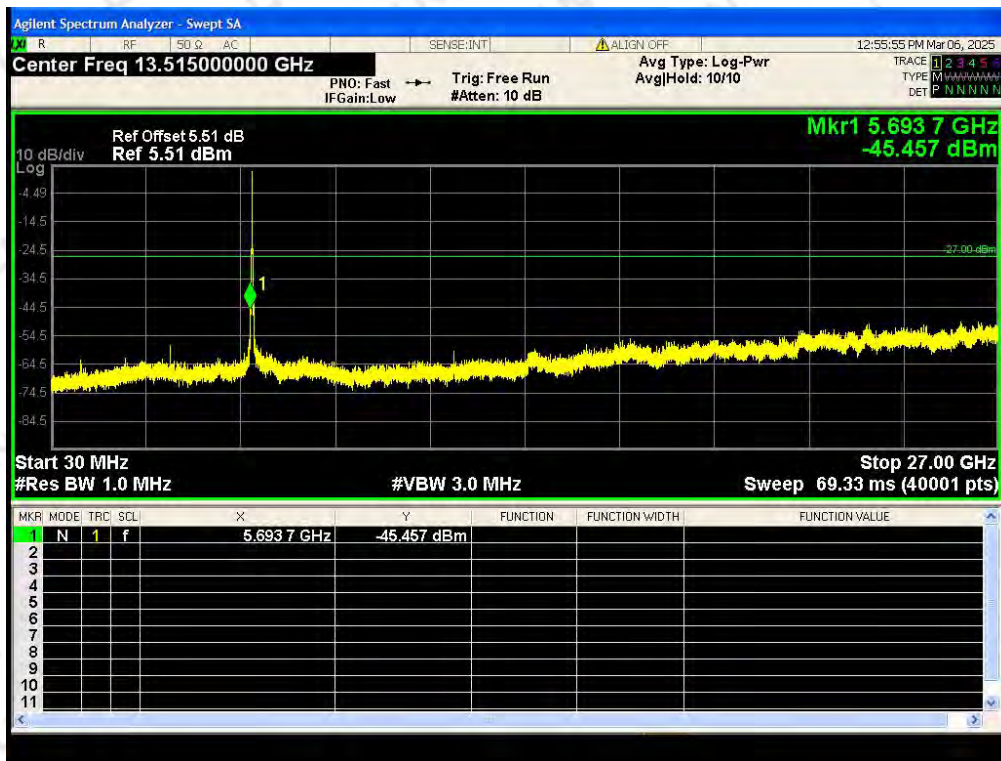
Tx. Spurious NVNT 802.11ac40 5795MHz Ant2 Emission



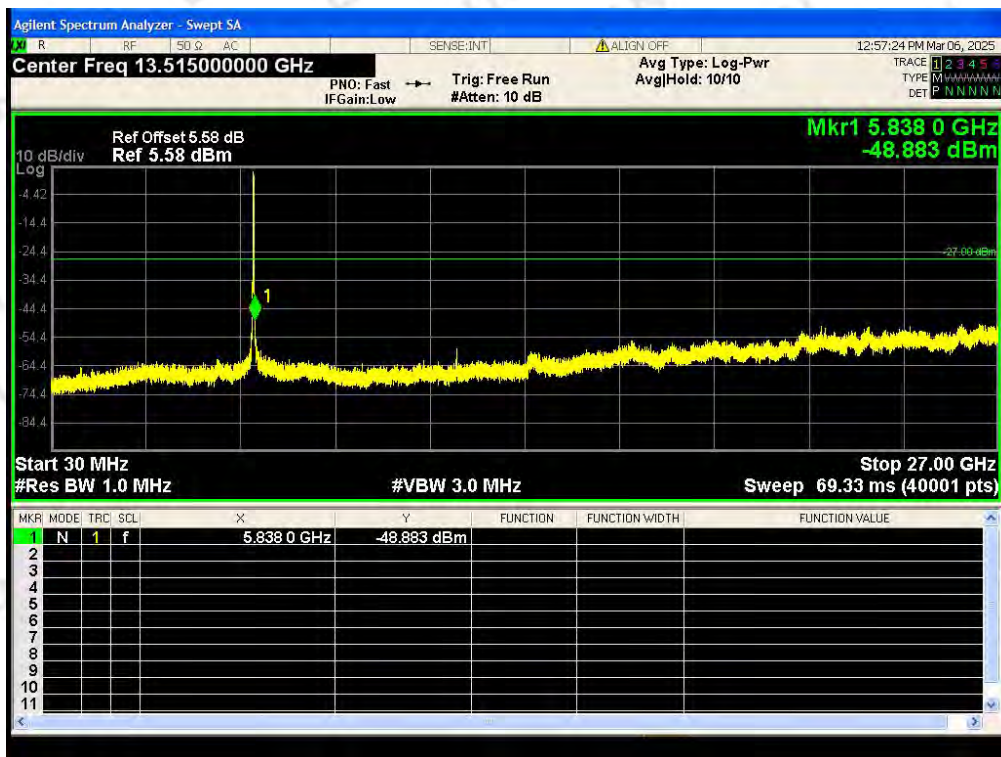
Tx. Spurious NVNT 802.11ac80 5775MHz Ant2 Emission



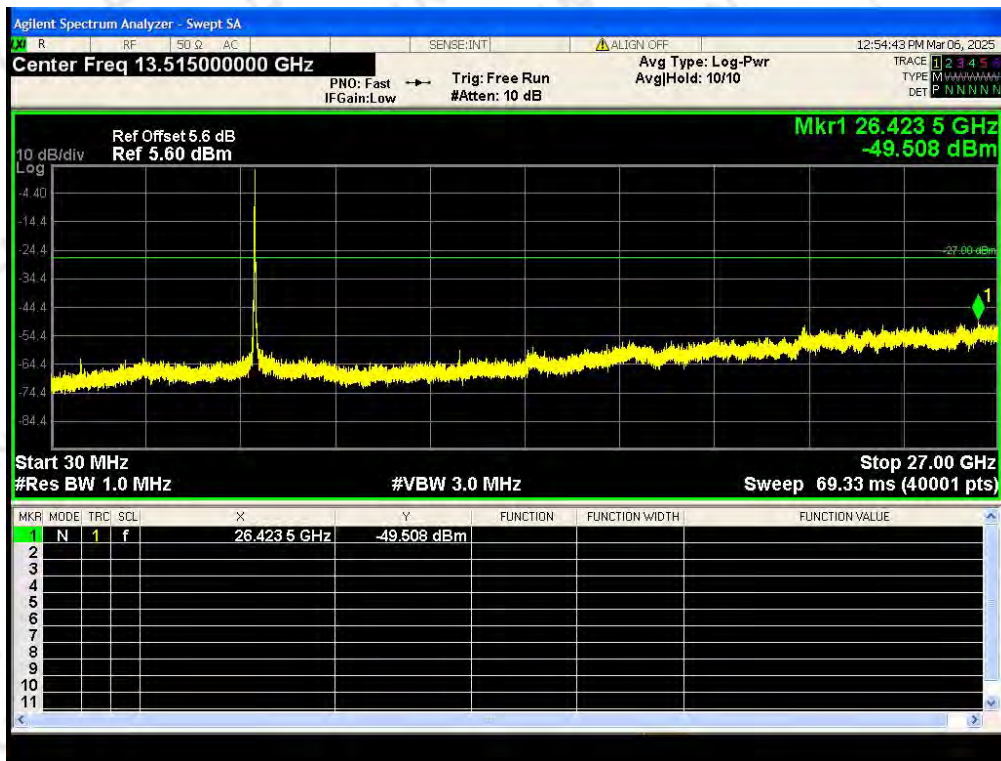
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant2 Emission



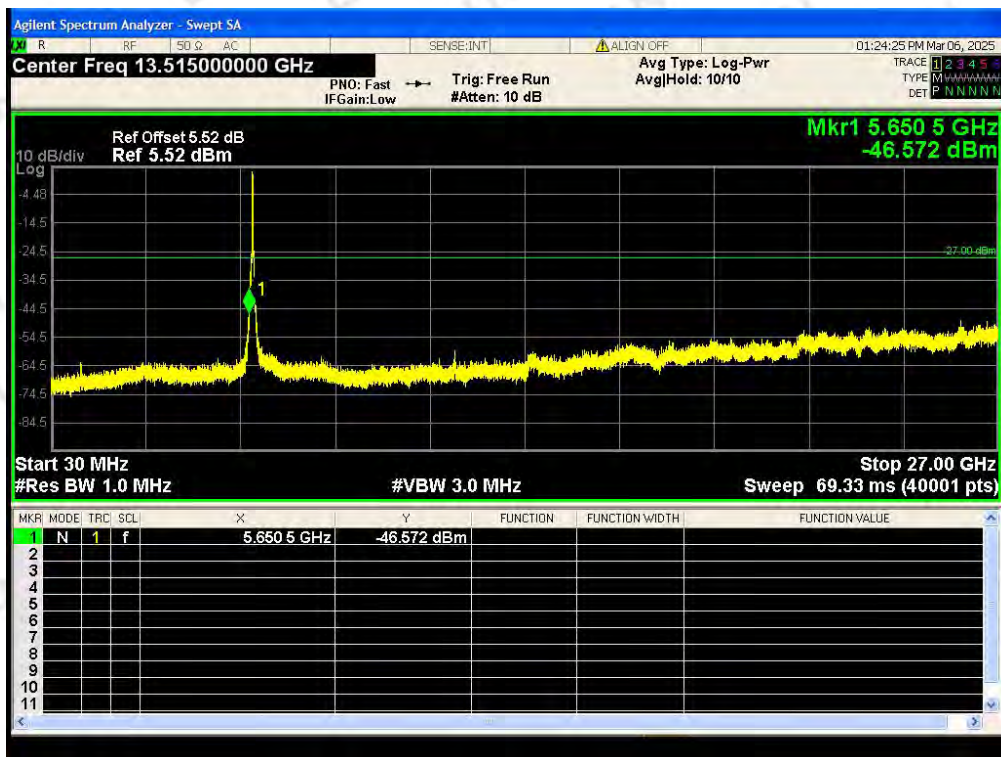
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant2 Emission



Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant2 Emission



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant2 Emission



Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant2 Emission

