

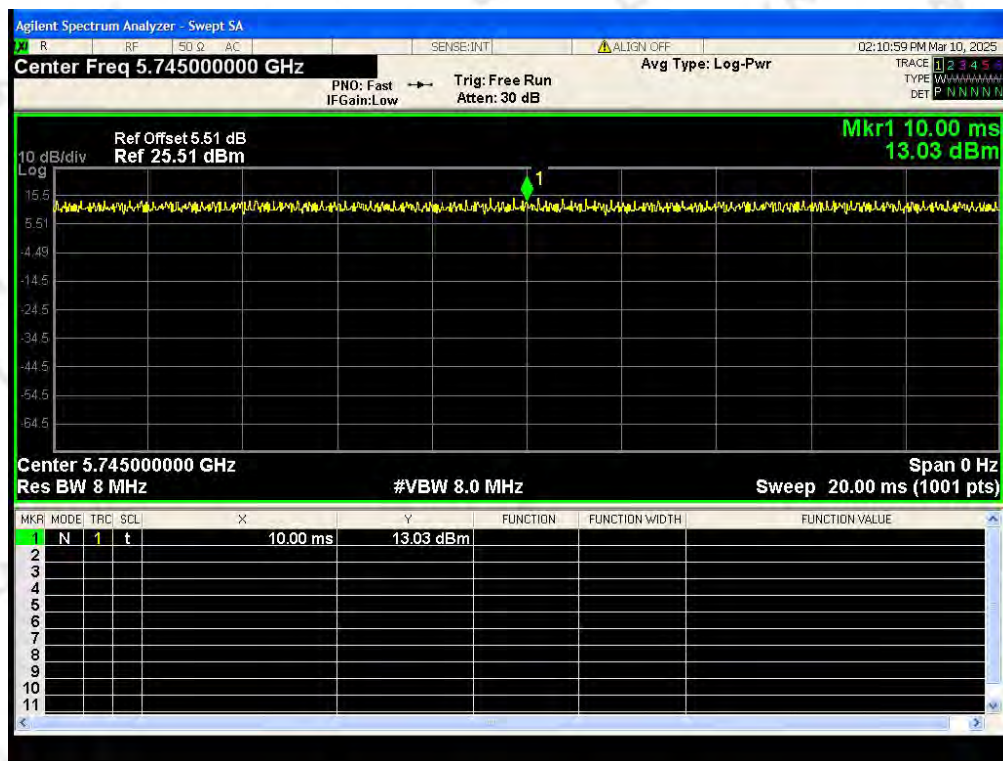
Test Report

ANT 1 5G WIFI RF test data_B4

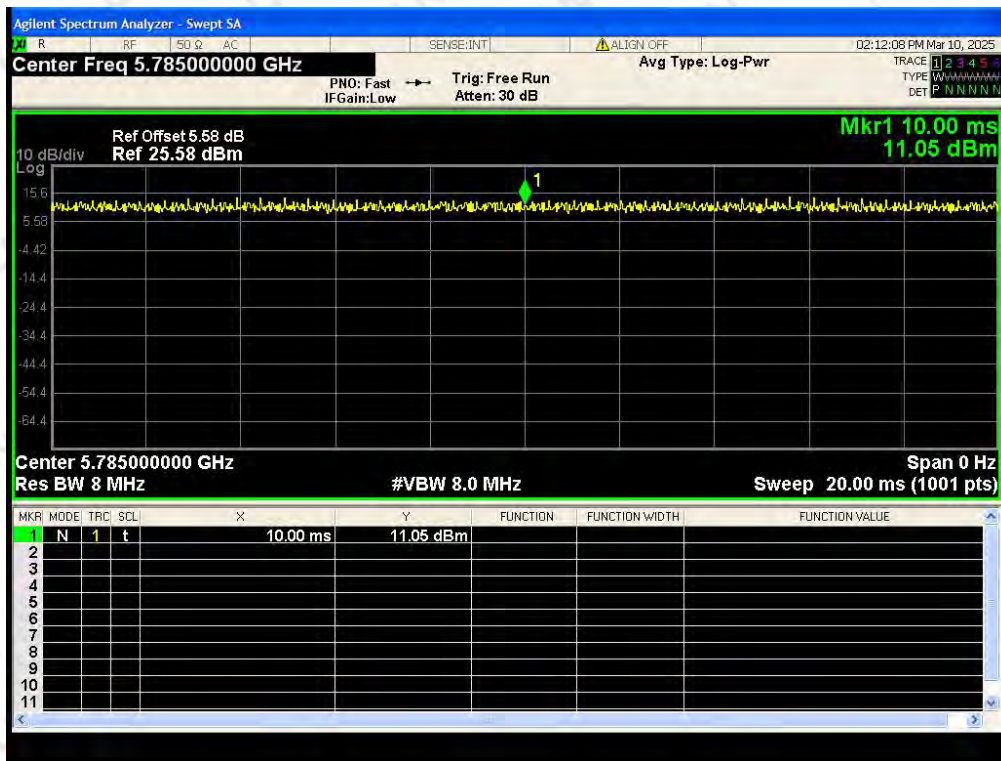
Duty Cycle

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	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

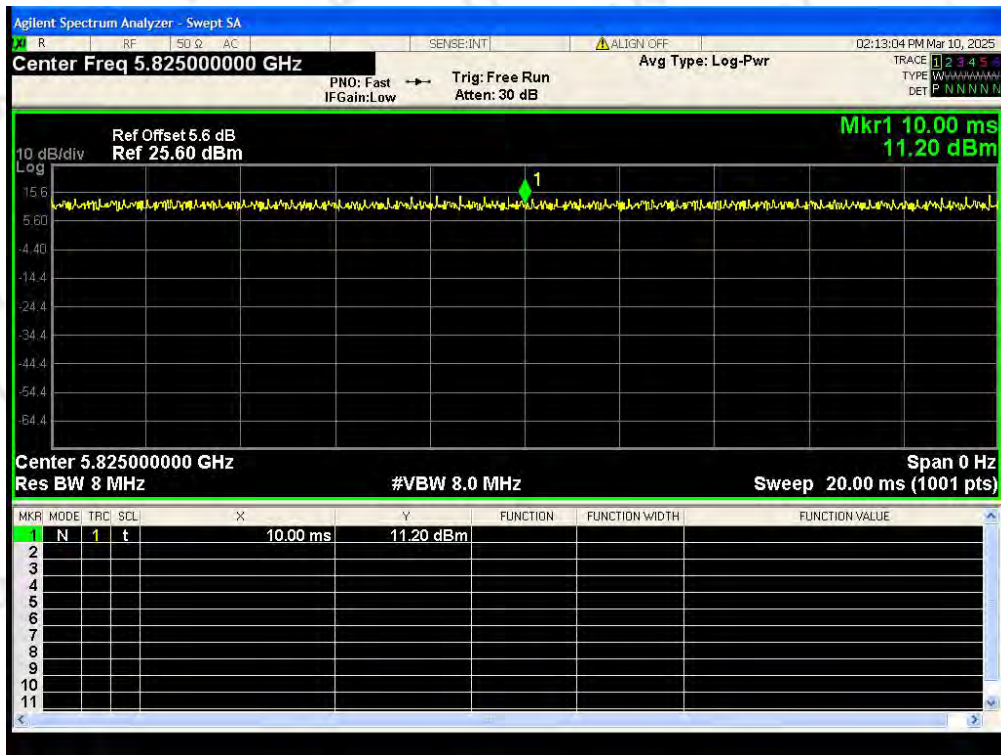
Duty Cycle NVNT 802.11a 5745MHz



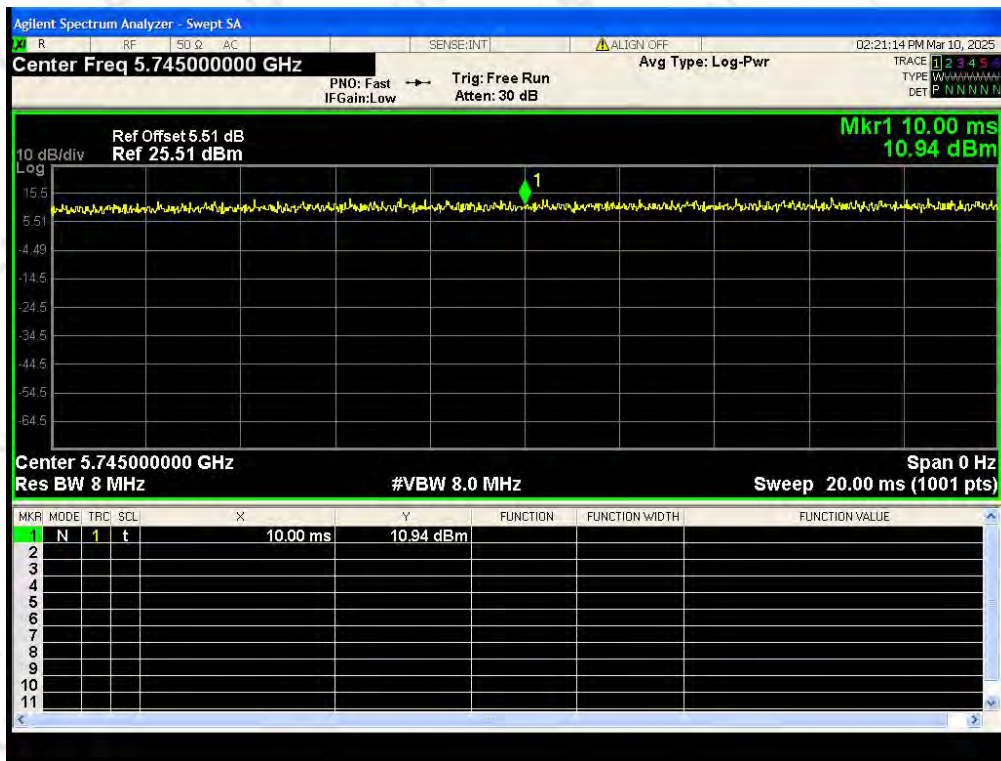
Duty Cycle NVNT 802.11a 5785MHz



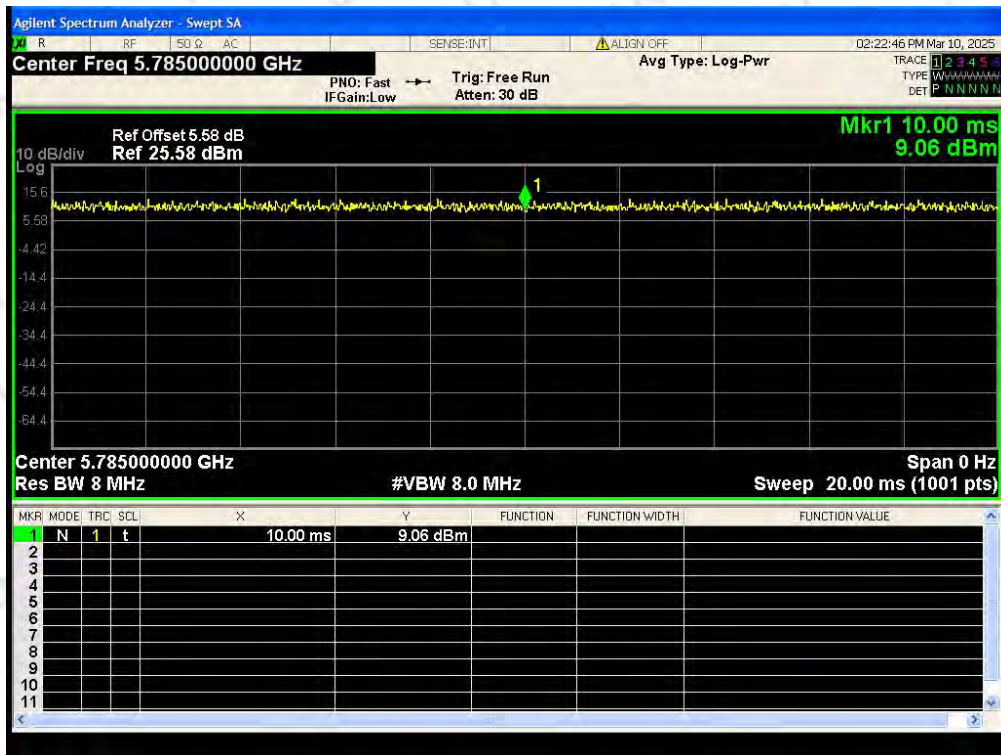
Duty Cycle NVNT 802.11a 5825MHz



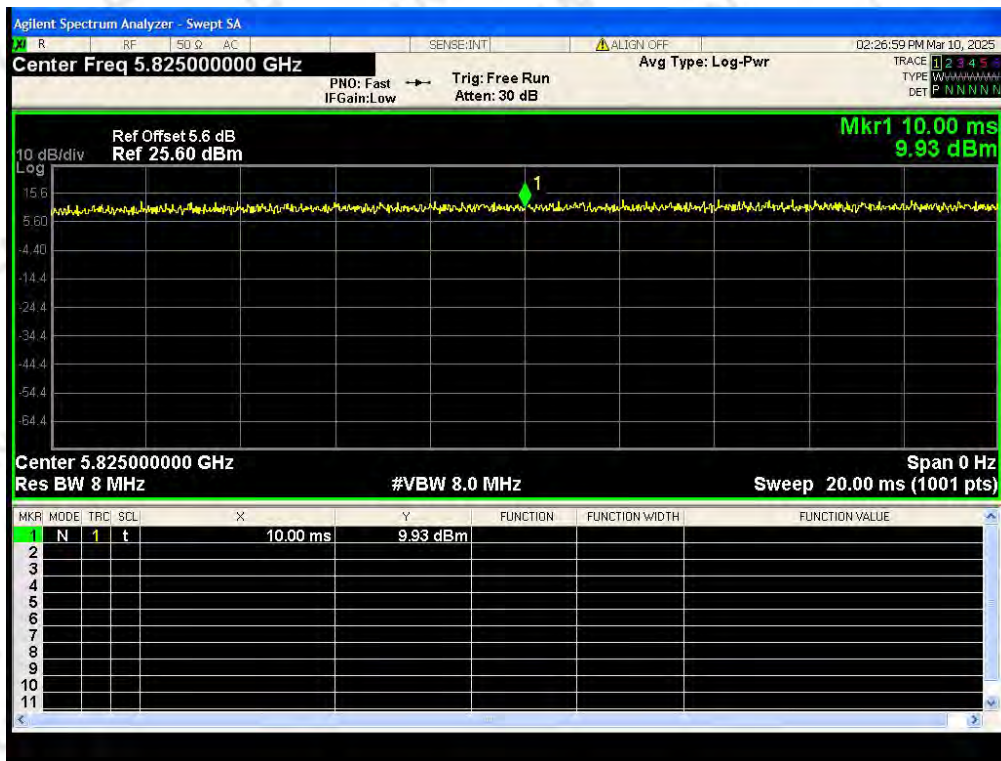
Duty Cycle NVNT 802.11ac20 5745MHz



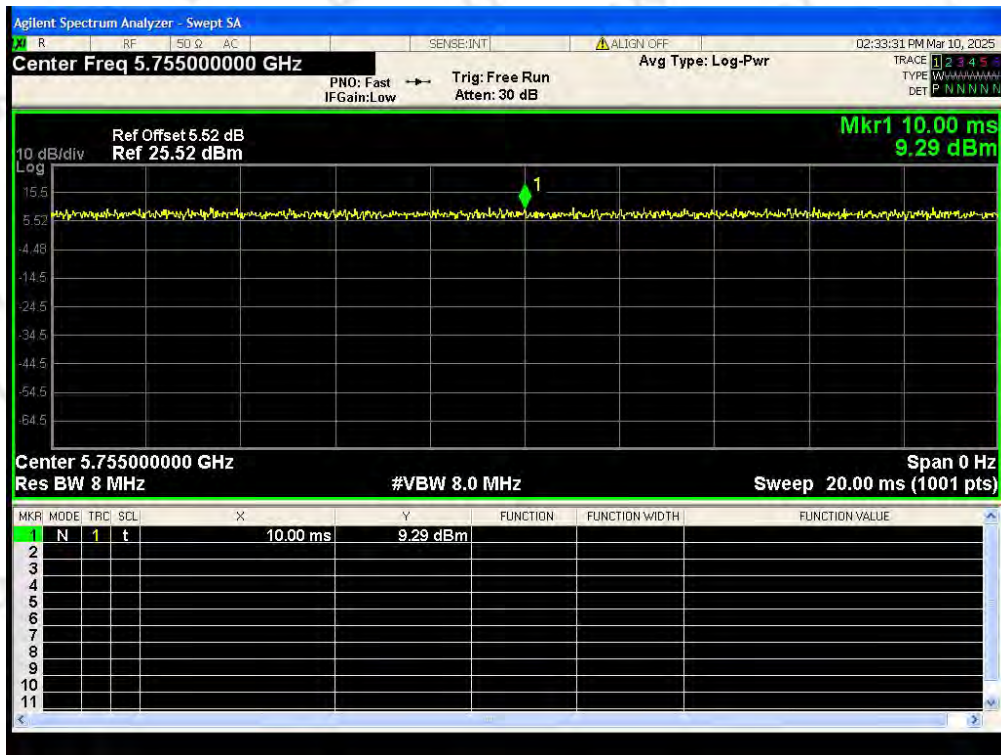
Duty Cycle NVNT 802.11ac20 5785MHz



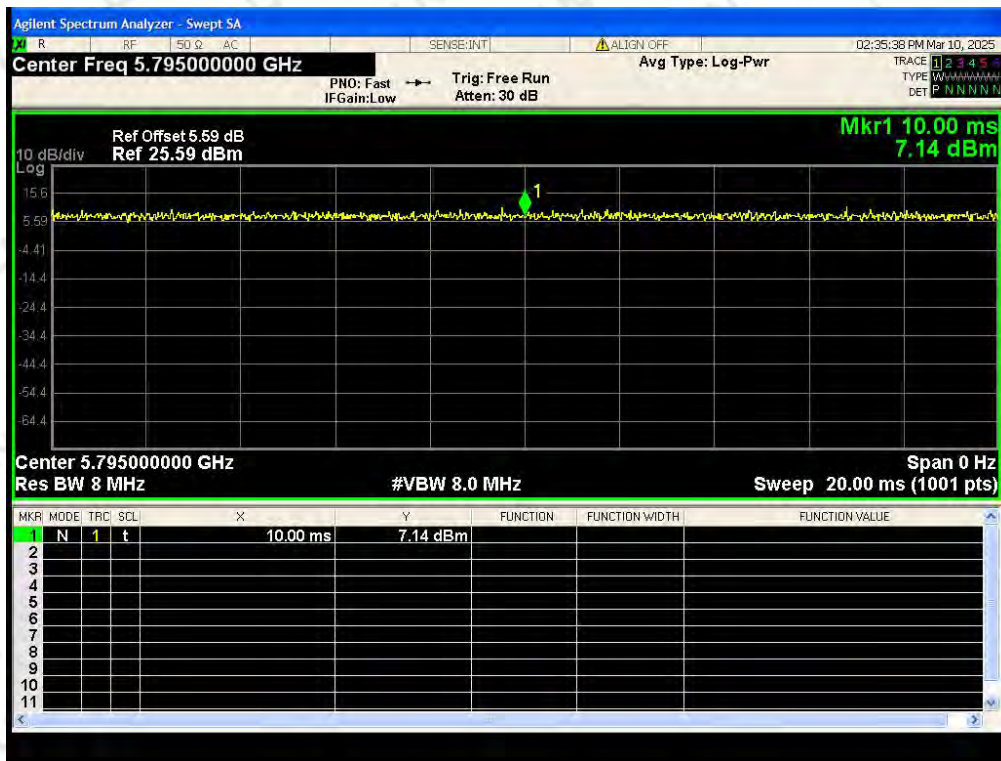
Duty Cycle NVNT 802.11ac20 5825MHz



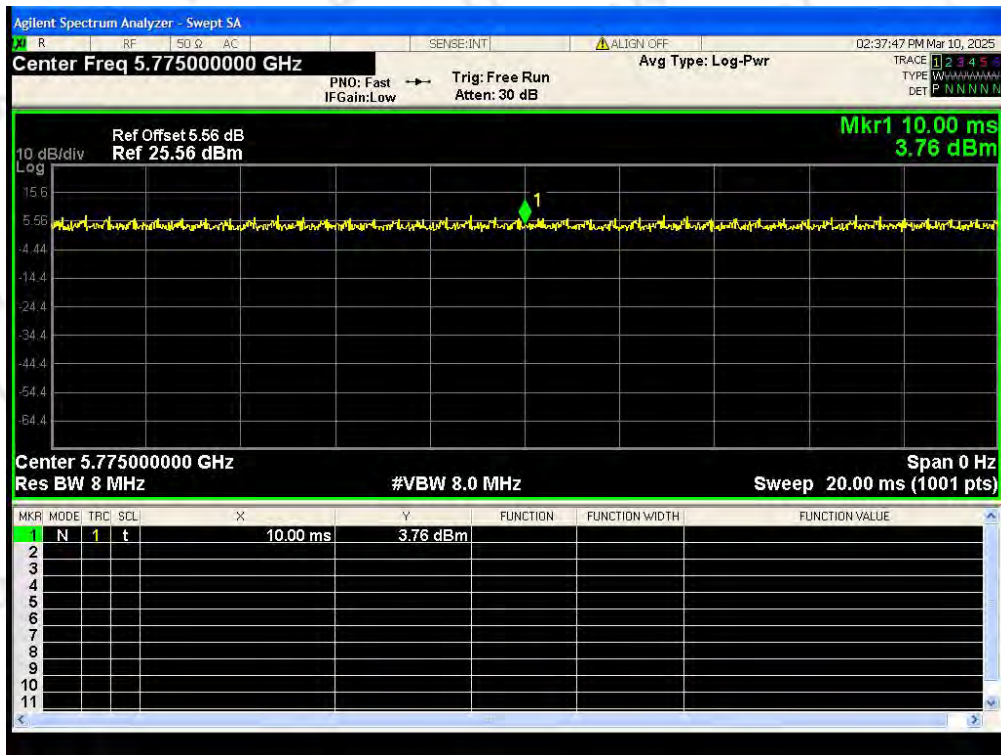
Duty Cycle NVNT 802.11ac40 5755MHz



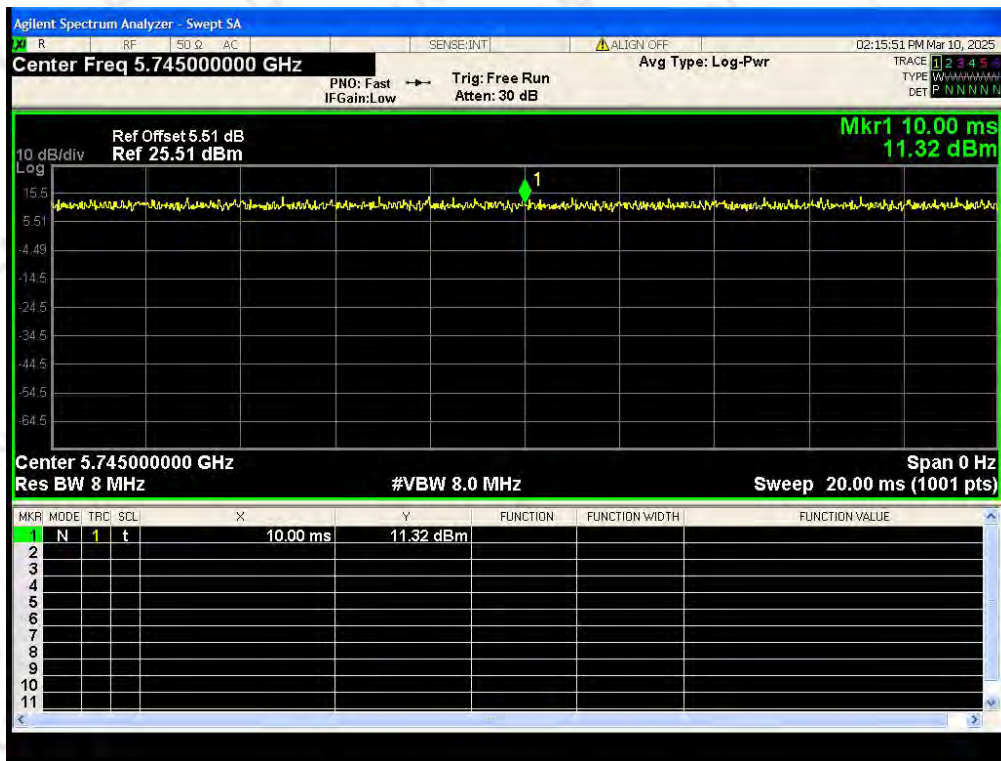
Duty Cycle NVNT 802.11ac40 5795MHz



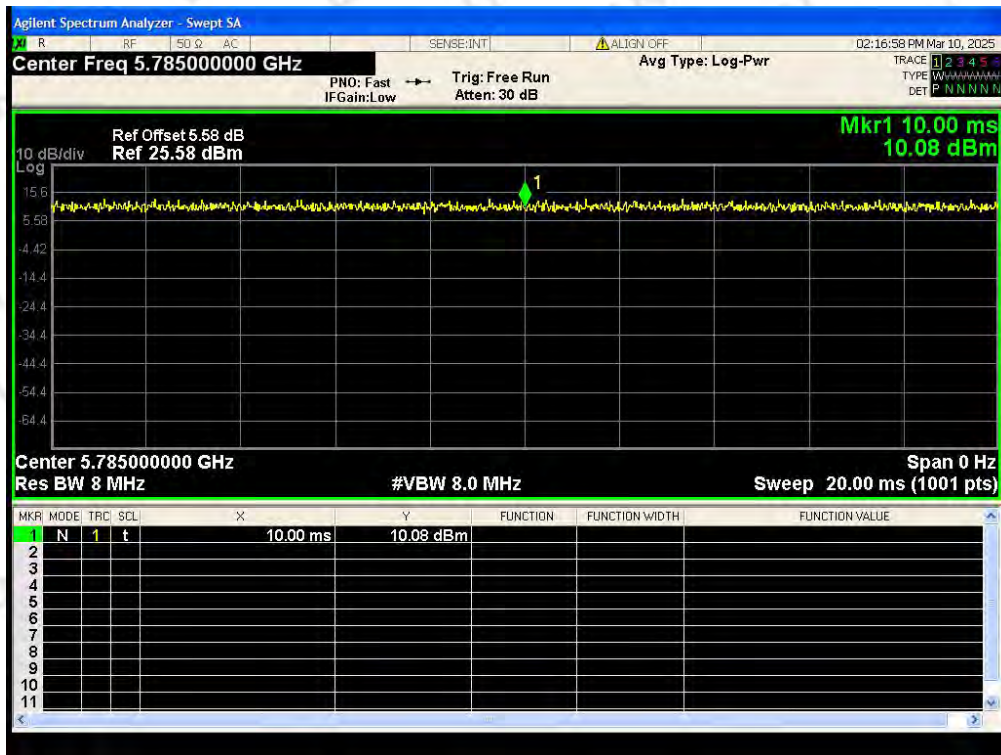
Duty Cycle NVNT 802.11ac80 5775MHz



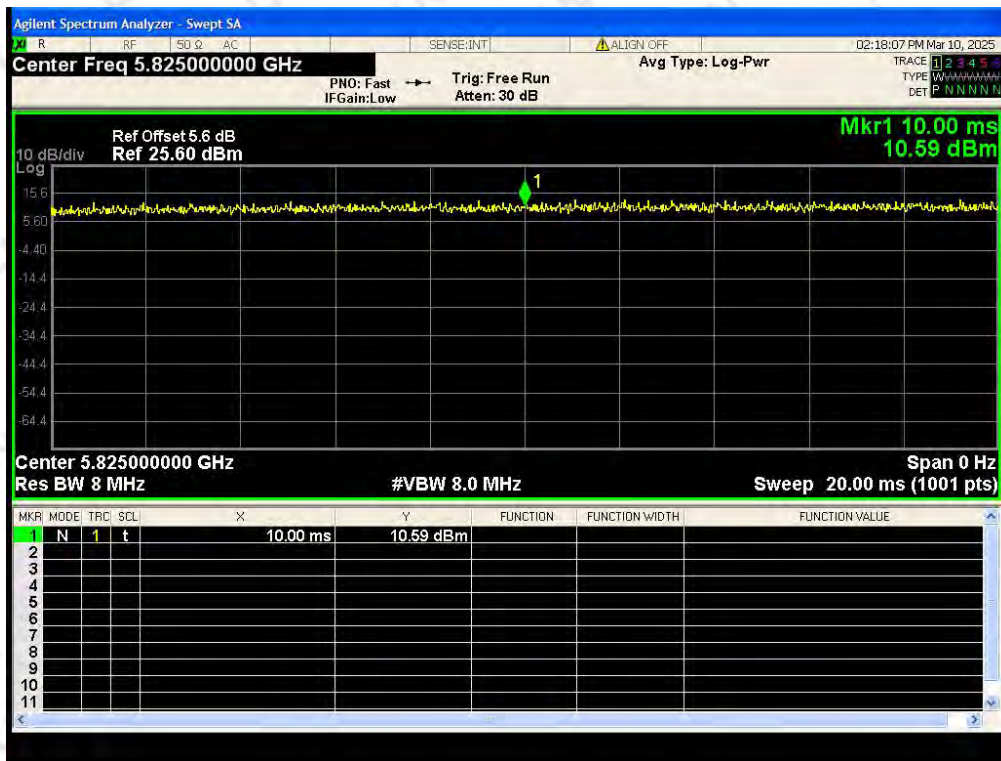
Duty Cycle NVNT 802.11n(HT20) 5745MHz



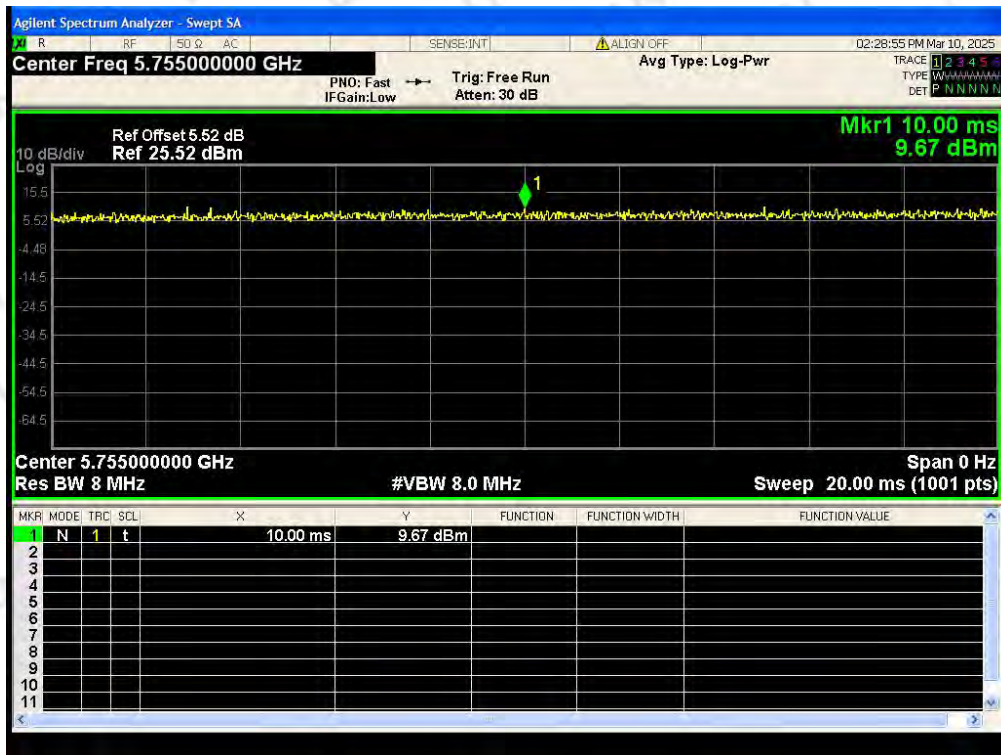
Duty Cycle NVNT 802.11n(HT20) 5785MHz



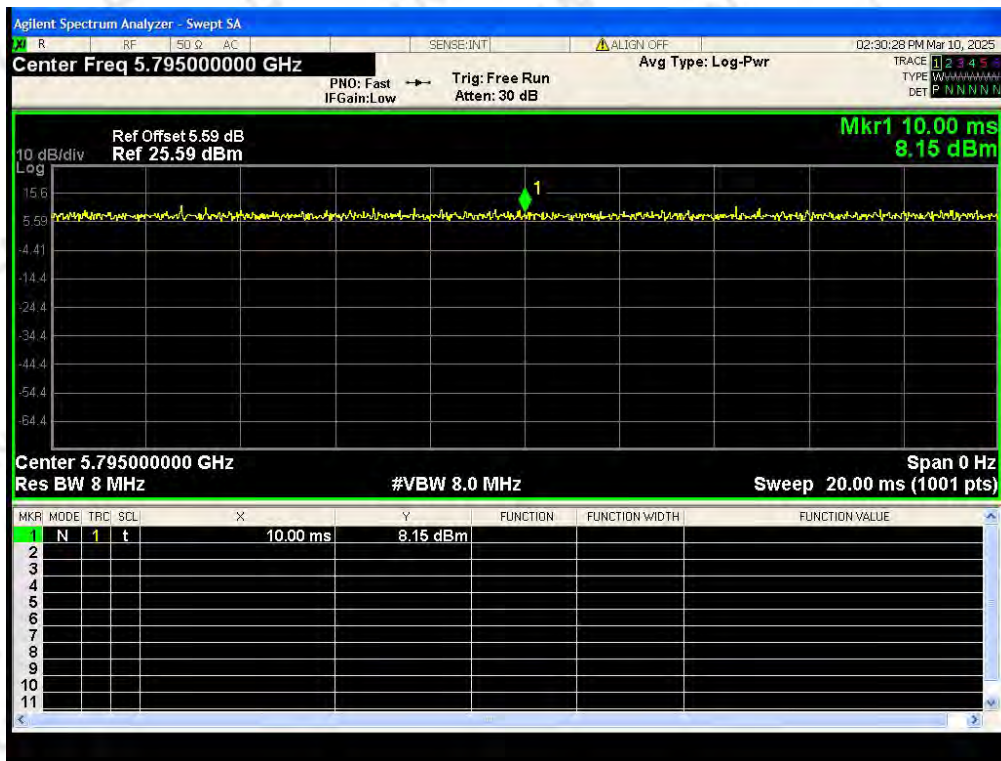
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



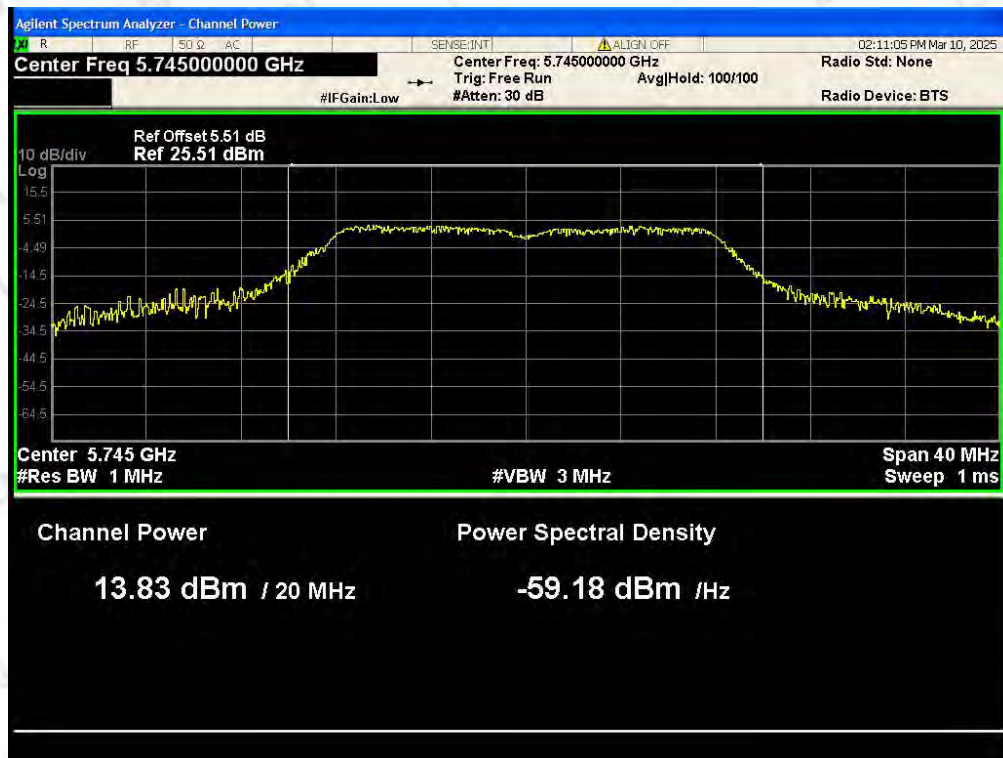
Duty Cycle NVNT 802.11n(HT40) 5795MHz



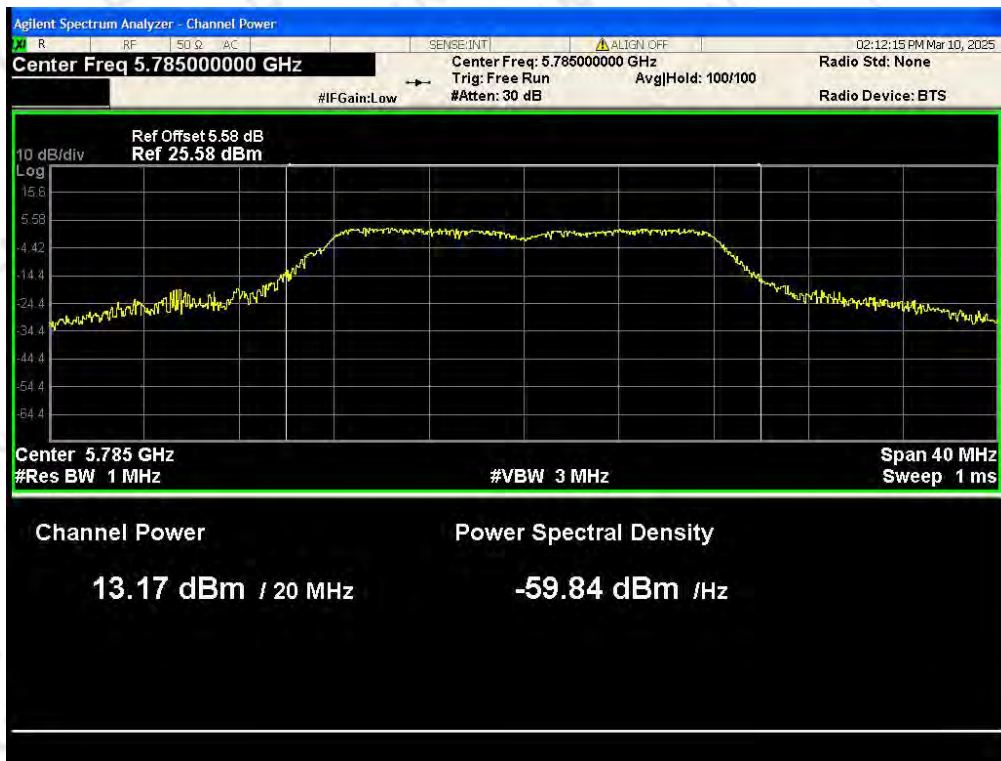
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	13.83	0	13.83	30	Pass
NVNT	802.11a	5785	Ant 1	13.17	0	13.17	30	Pass
NVNT	802.11a	5825	Ant 1	13.67	0	13.67	30	Pass
NVNT	802.11ac20	5745	Ant 1	14.10	0	14.10	30	Pass
NVNT	802.11ac20	5785	Ant 1	13.57	0	13.57	30	Pass
NVNT	802.11ac20	5825	Ant 1	13.97	0	13.97	30	Pass
NVNT	802.11ac40	5755	Ant 1	14.45	0	14.45	30	Pass
NVNT	802.11ac40	5795	Ant 1	14.13	0	14.13	30	Pass
NVNT	802.11ac80	5775	Ant 1	15.40	0	15.40	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	14.18	0	14.18	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	13.54	0	13.54	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	13.98	0	13.98	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	14.46	0	14.46	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	14.15	0	14.15	30	Pass

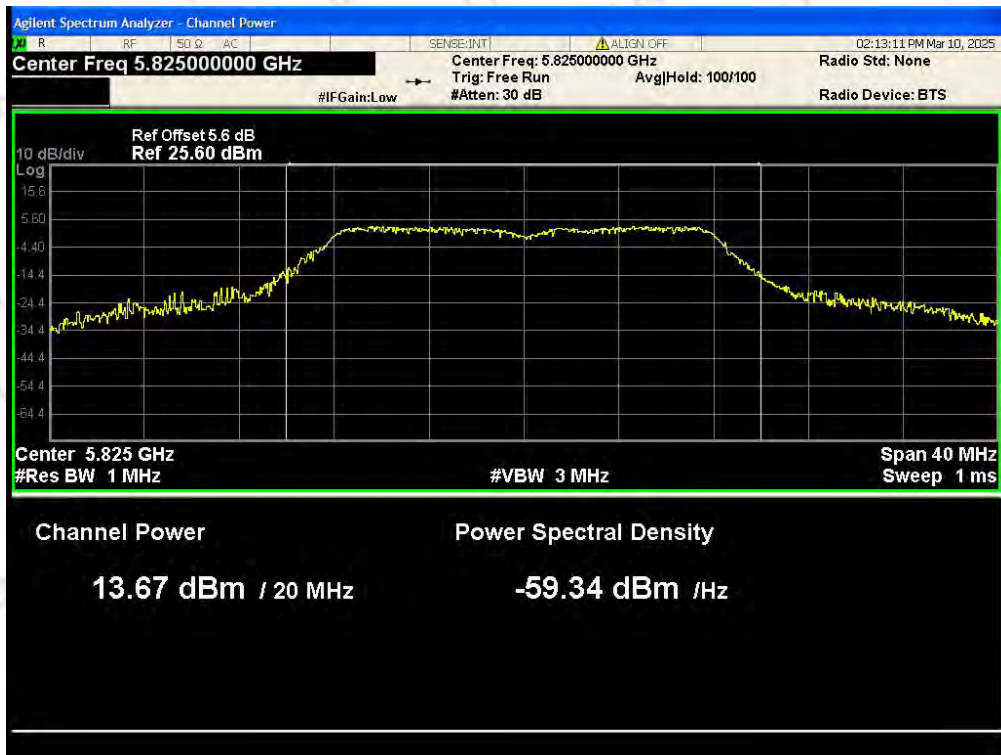
Power NVNT 802.11a 5745MHz Ant1



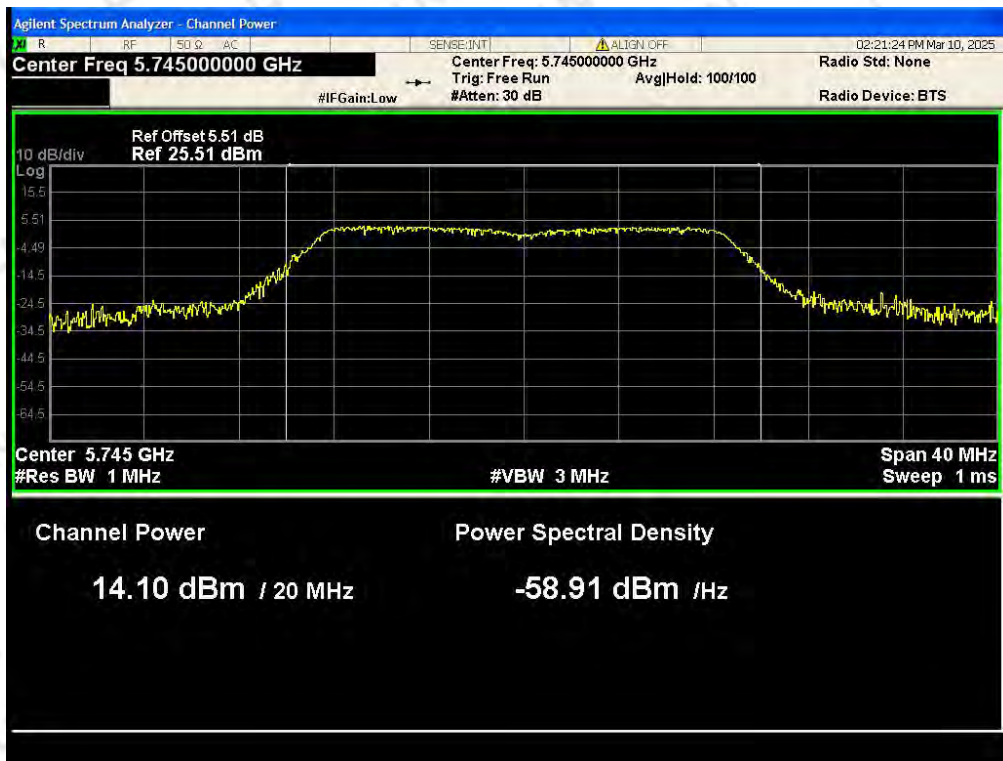
Power NVNT 802.11a 5785MHz Ant1



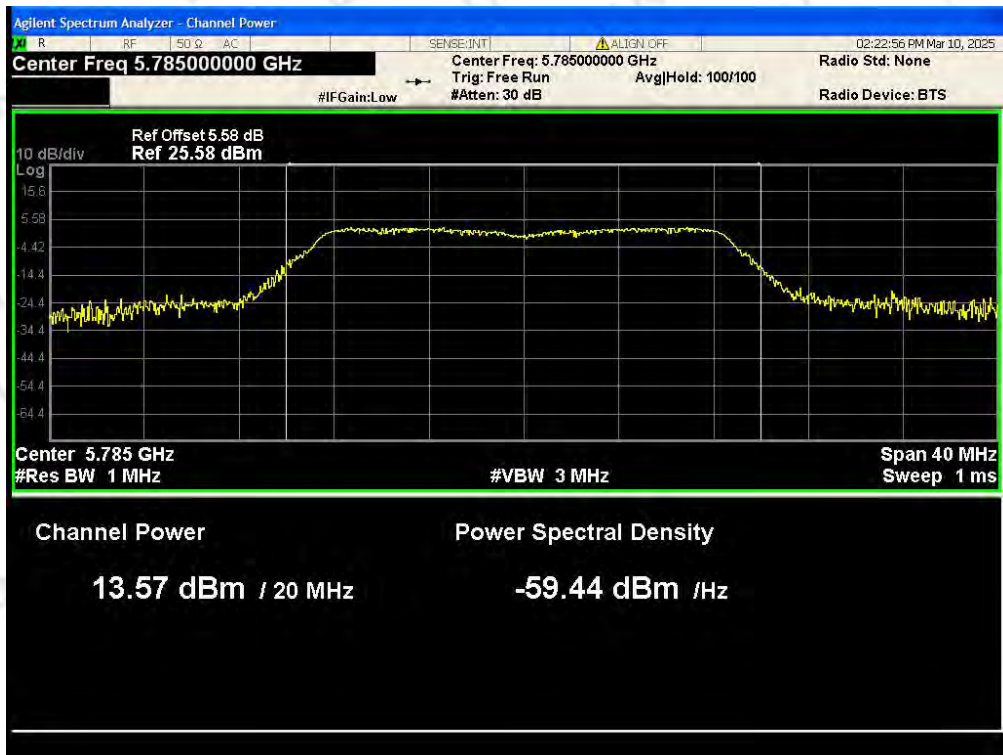
Power NVNT 802.11a 5825MHz Ant1



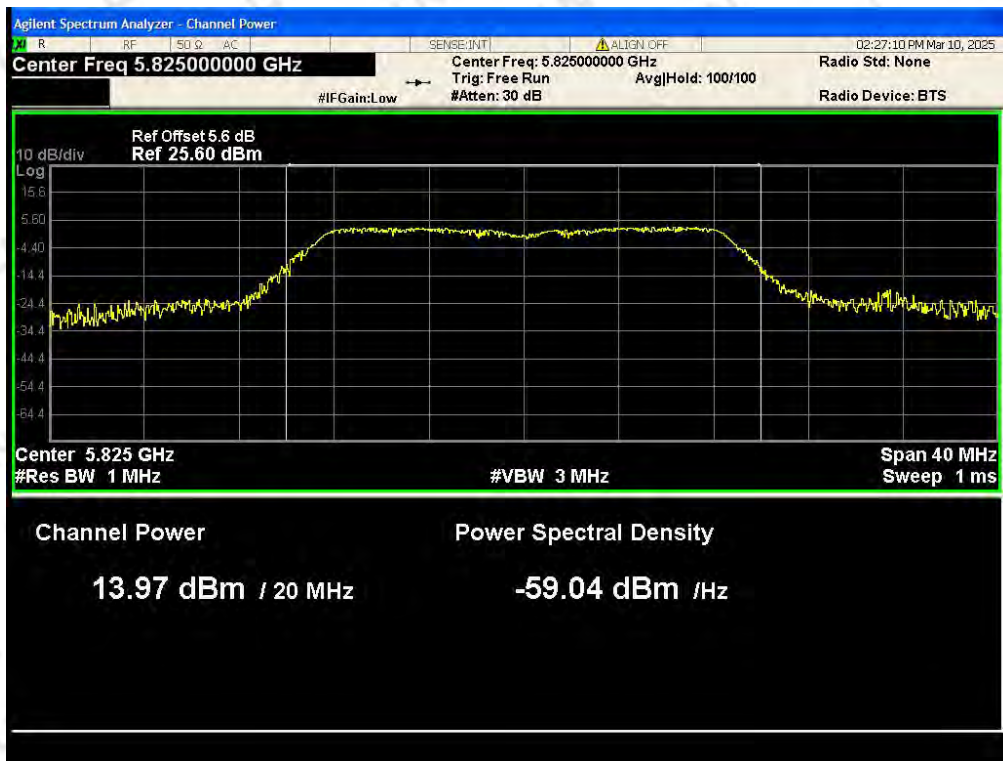
Power NVNT 802.11ac20 5745MHz Ant1



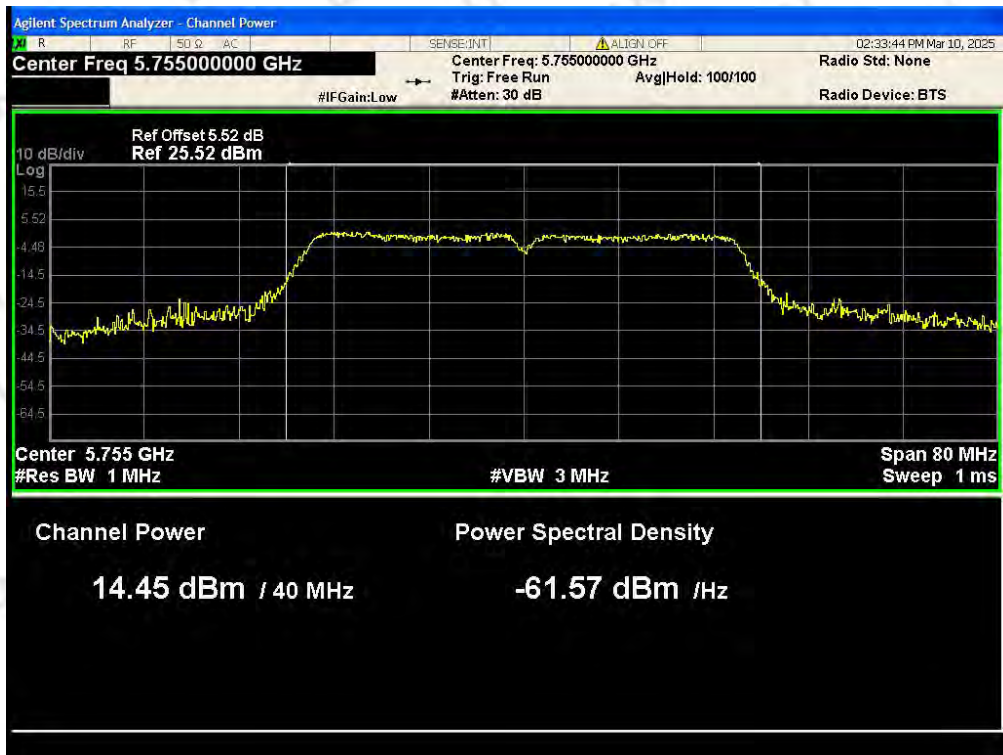
Power NVNT 802.11ac20 5785MHz Ant1



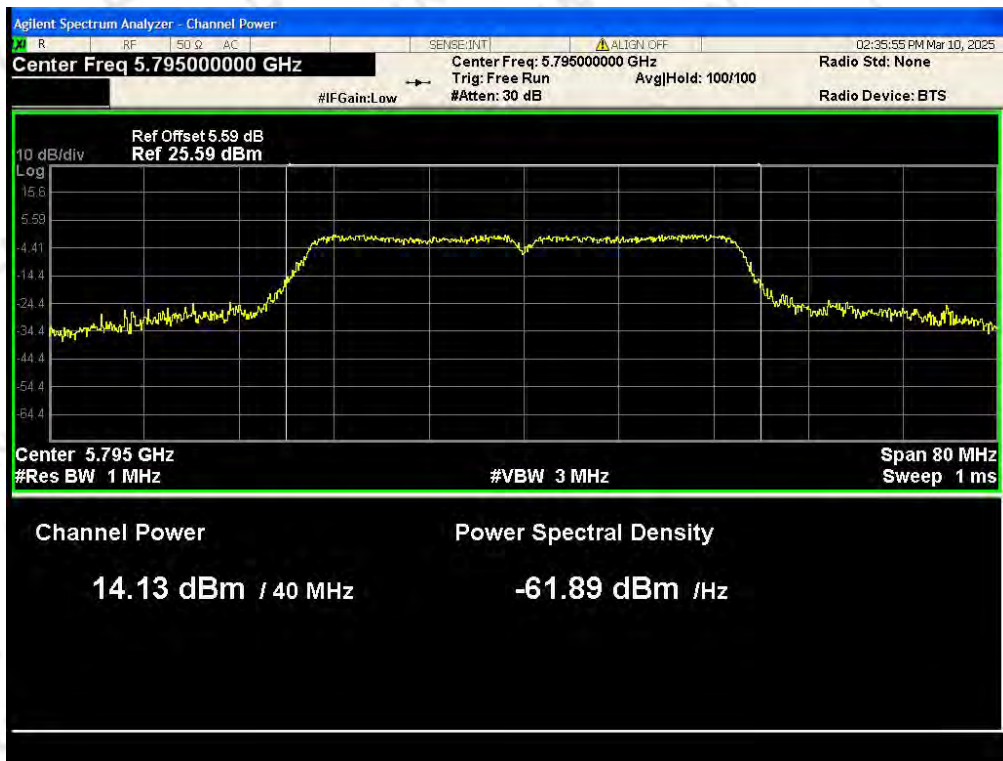
Power NVNT 802.11ac20 5825MHz Ant1



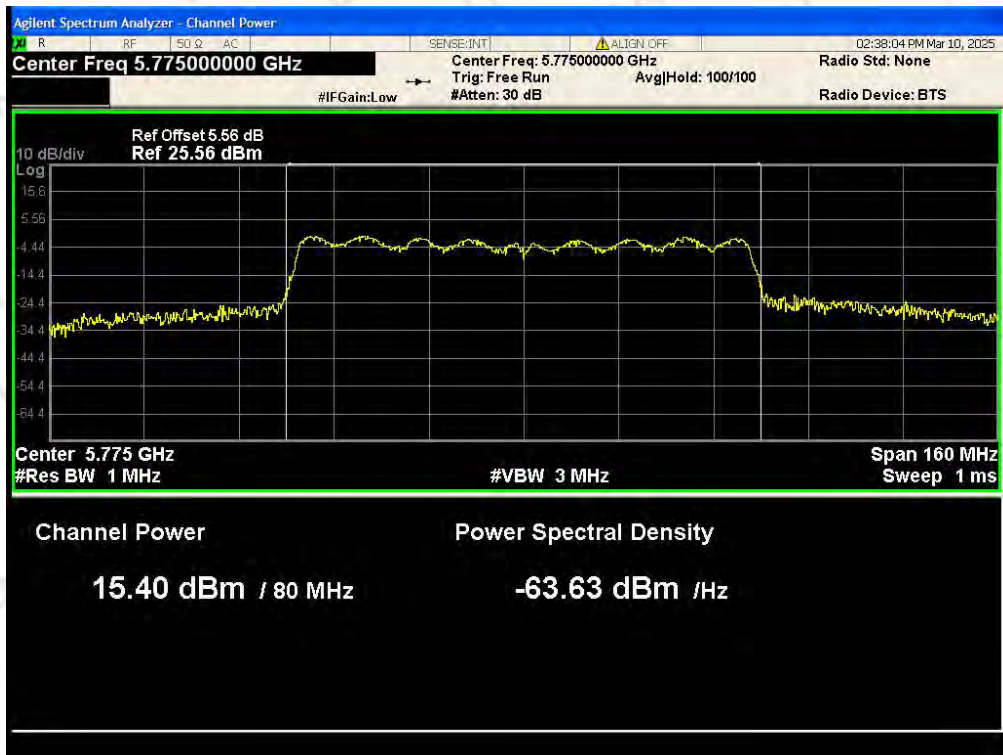
Power NVNT 802.11ac40 5755MHz Ant1



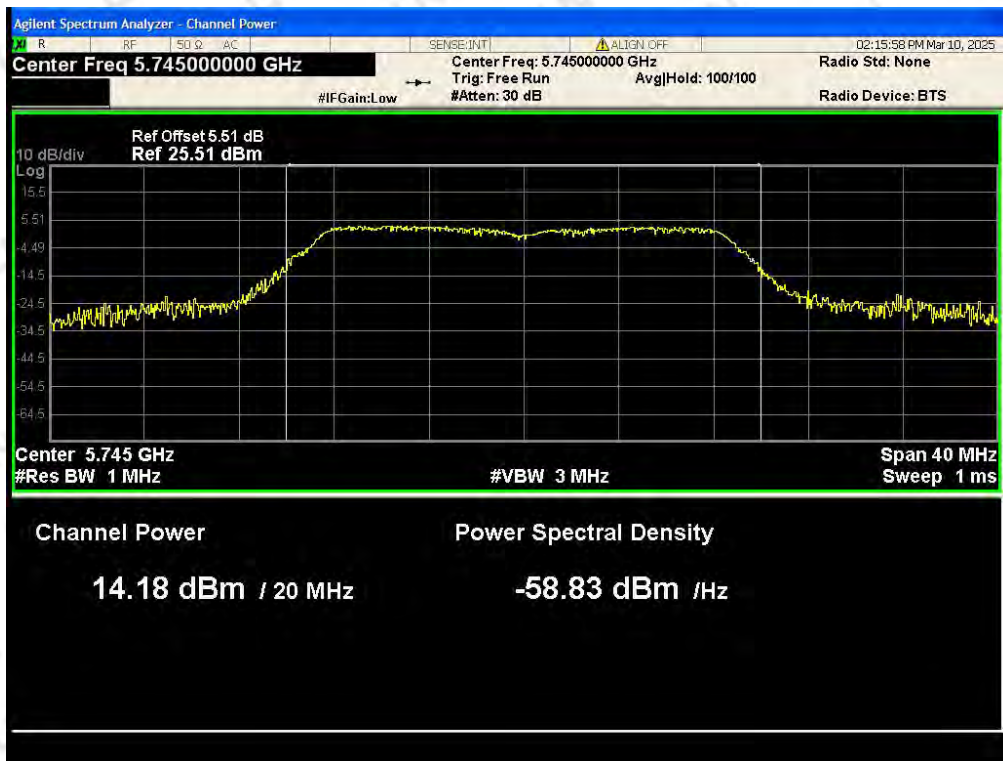
Power NVNT 802.11ac40 5795MHz Ant1



Power NVNT 802.11ac80 5775MHz Ant1



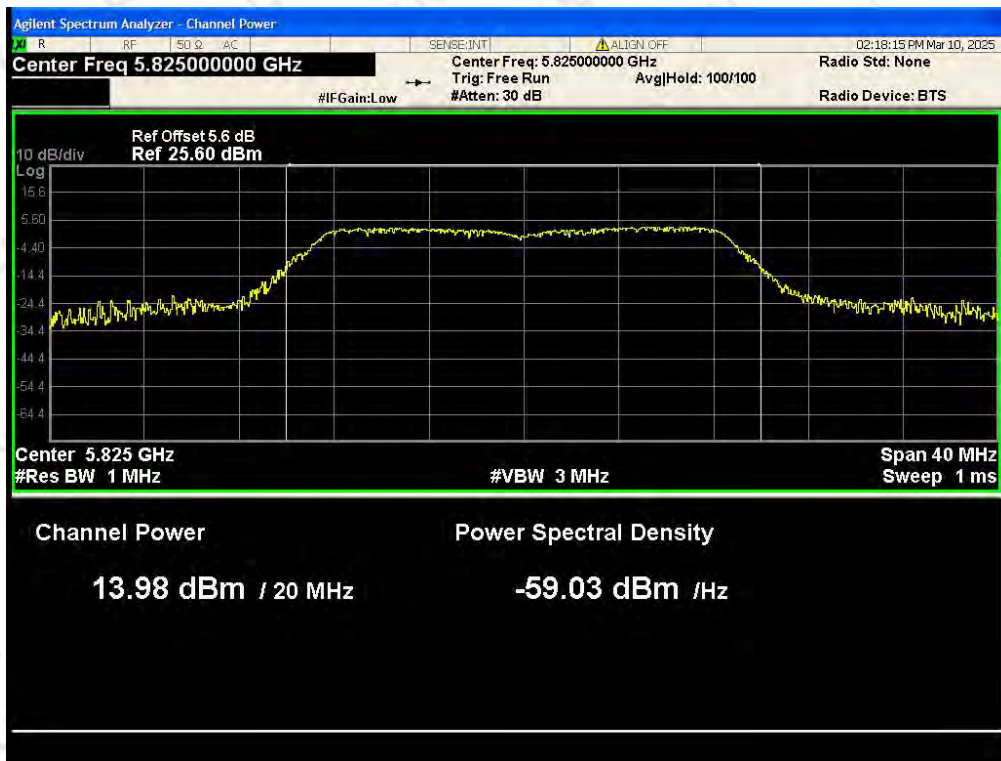
Power NVNT 802.11n(HT20) 5745MHz Ant1



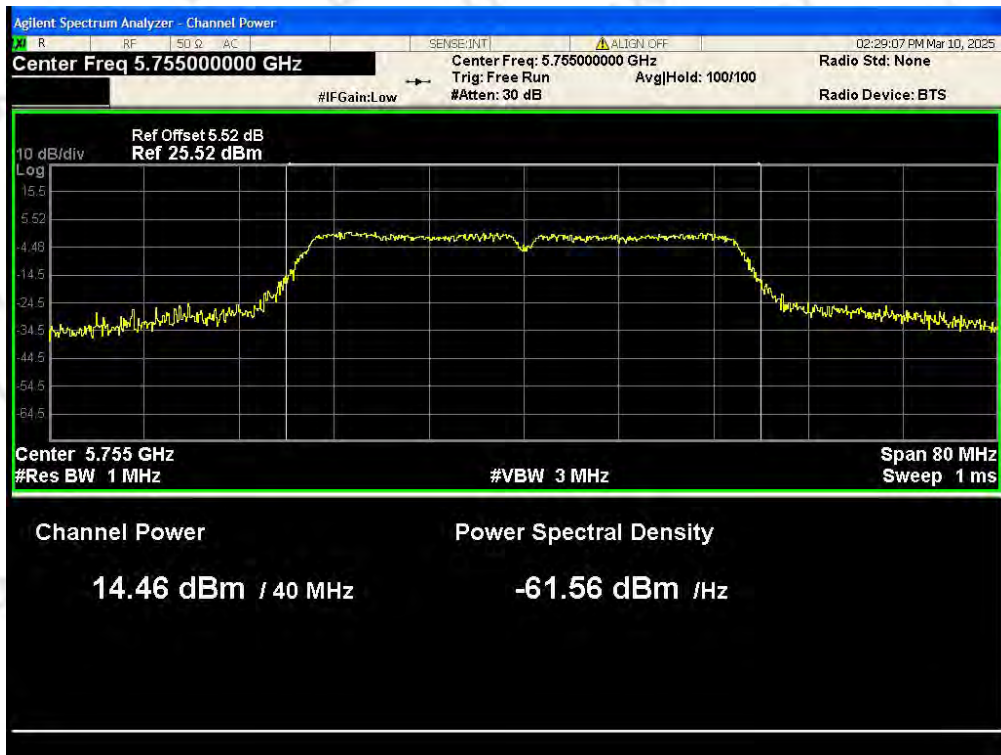
Power NVNT 802.11n(HT20) 5785MHz Ant1



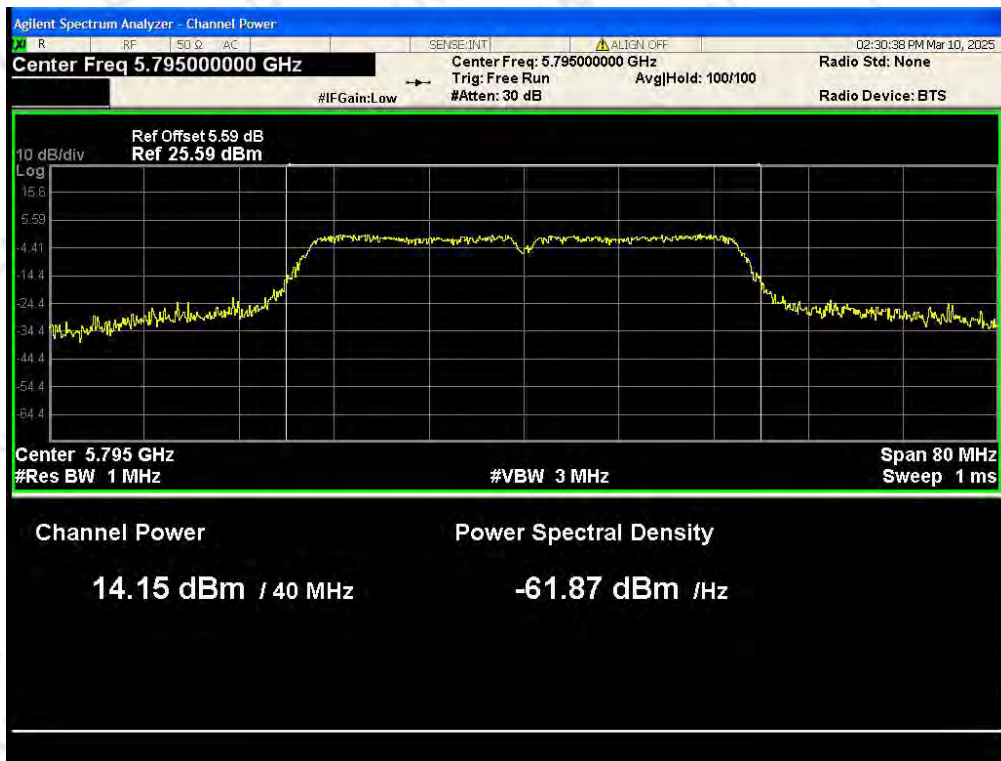
Power NVNT 802.11n(HT20) 5825MHz Ant1



Power NVNT 802.11n(HT40) 5755MHz Ant1



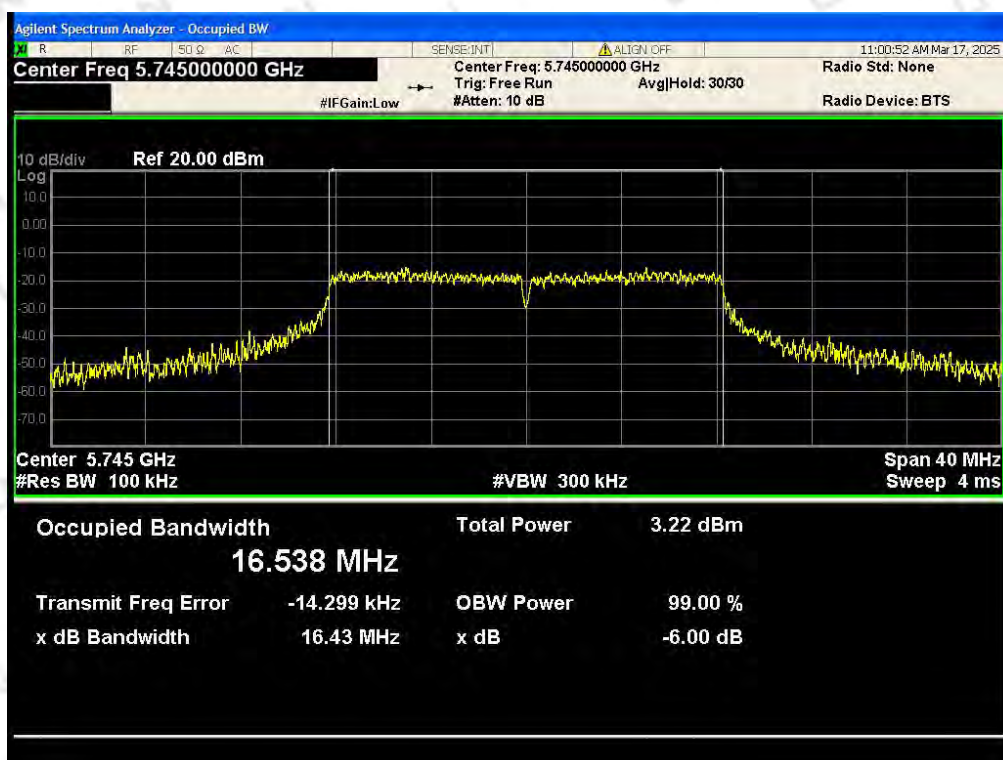
Power NVNT 802.11n(HT40) 5795MHz Ant1



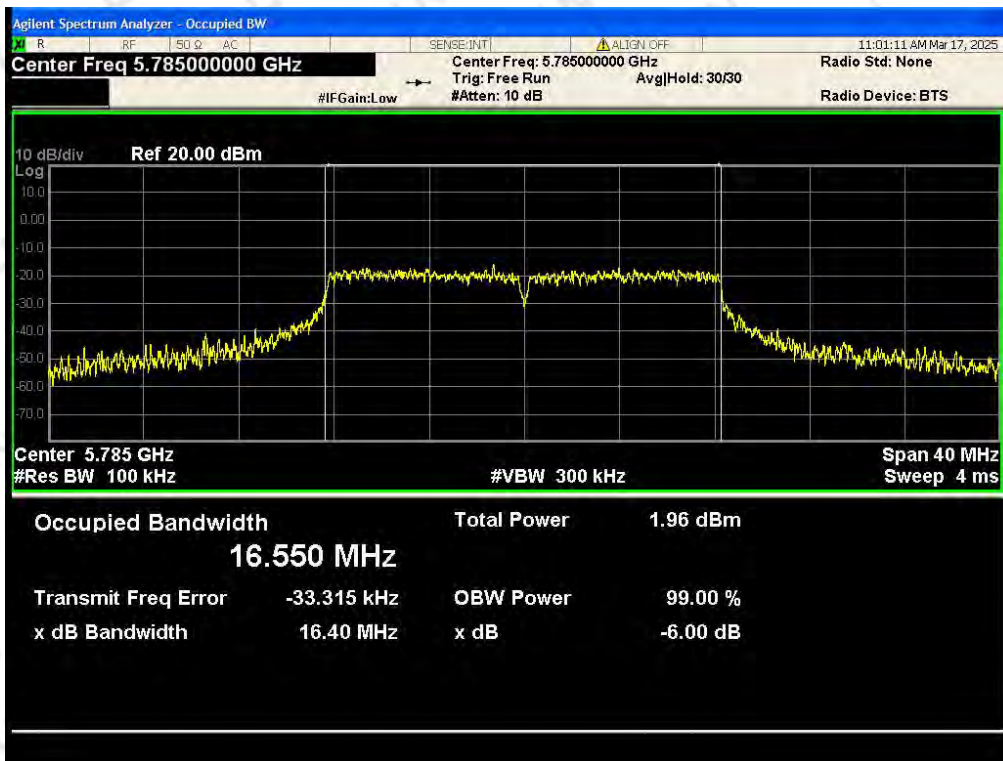
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.538	16.43	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.551	16.40	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.545	16.36	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	17.687	17.58	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.686	17.57	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.701	17.63	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	36.241	36.33	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.259	36.30	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.819	75.92	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.645	17.57	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.699	17.57	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.691	17.29	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.199	35.34	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.259	36.32	0.5	Pass

OBW NVNT 802.11a 5745MHz Ant1



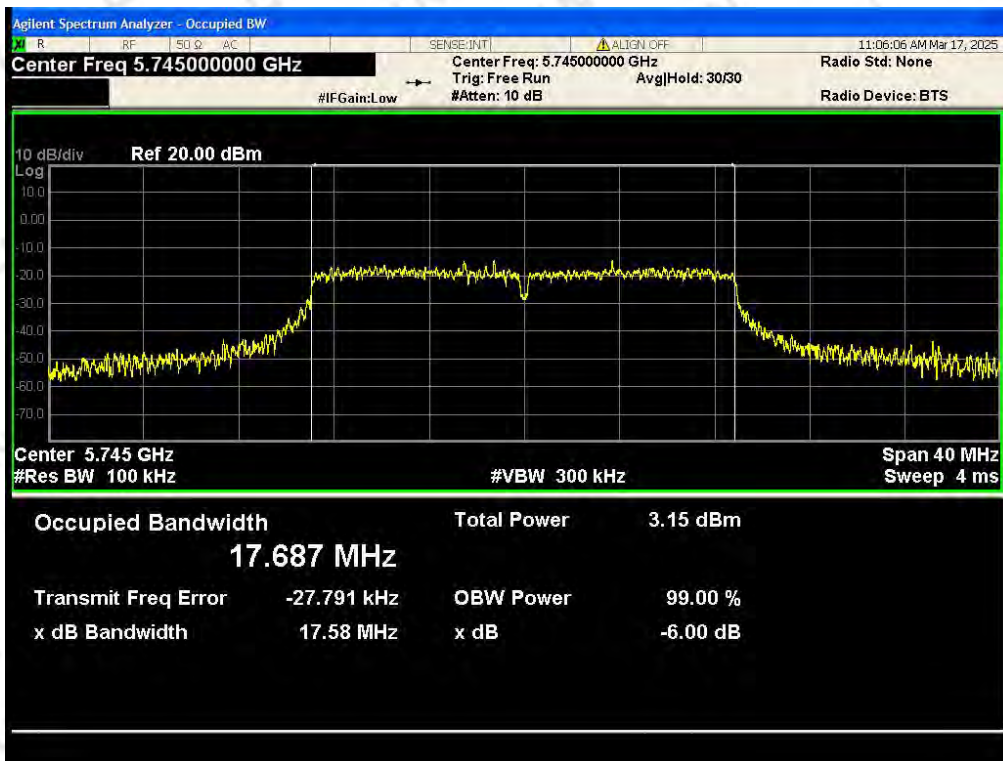
OBW NVNT 802.11a 5785MHz Ant1



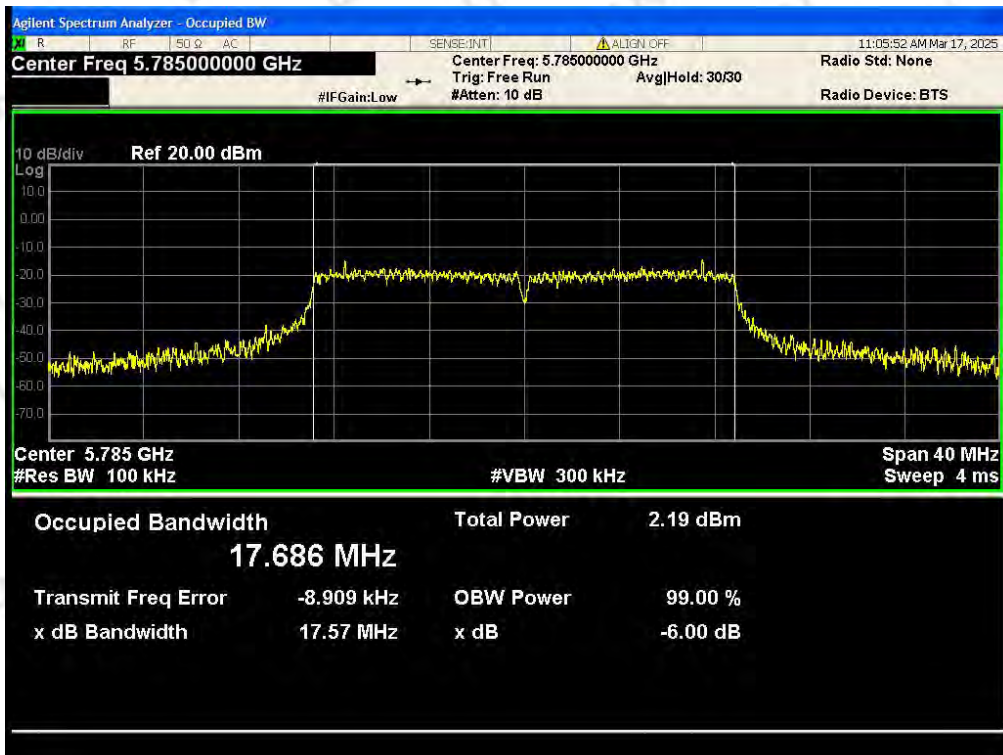
OBW NVNT 802.11a 5825MHz Ant1



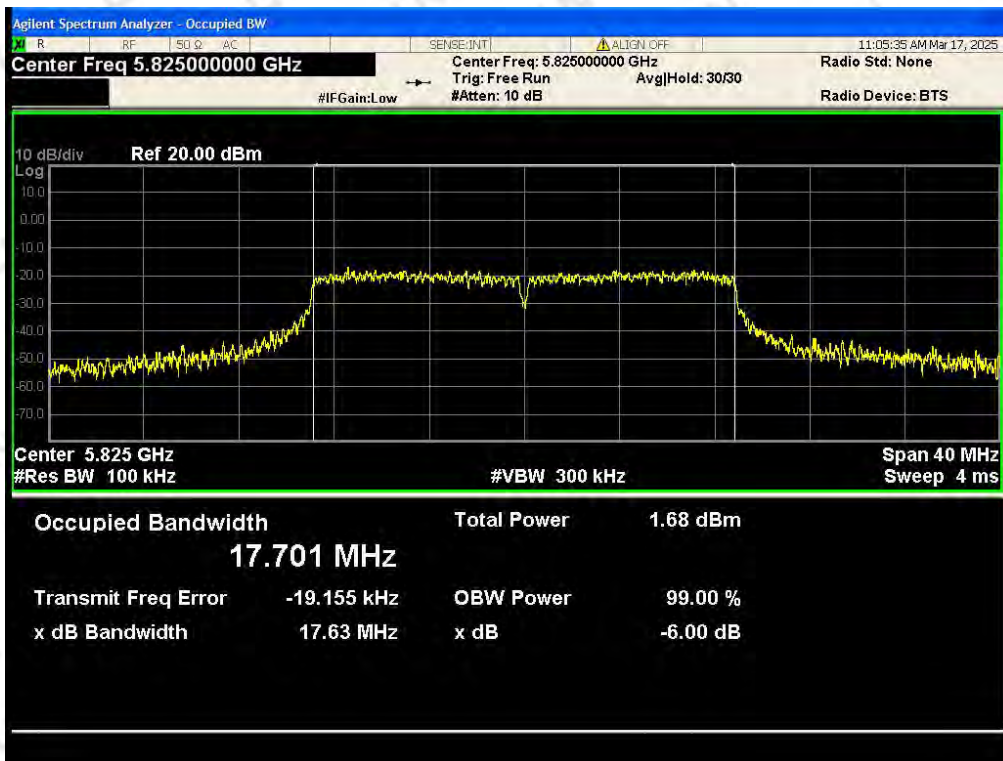
OBW NVNT 802.11ac20 5745MHz Ant1



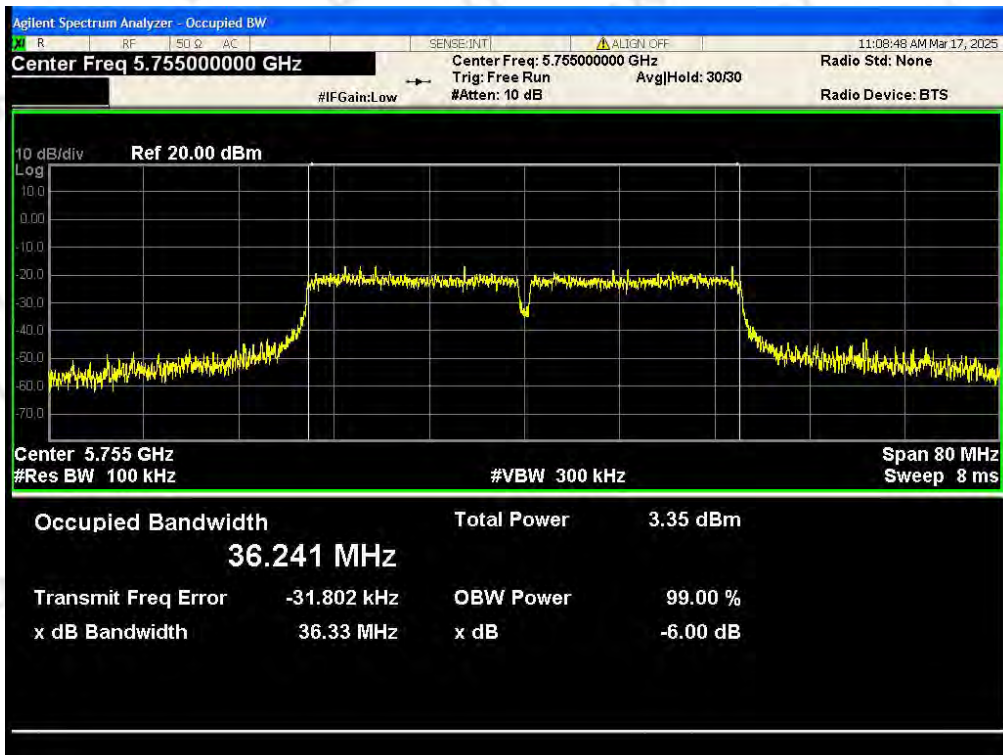
OBW NVNT 802.11ac20 5785MHz Ant1



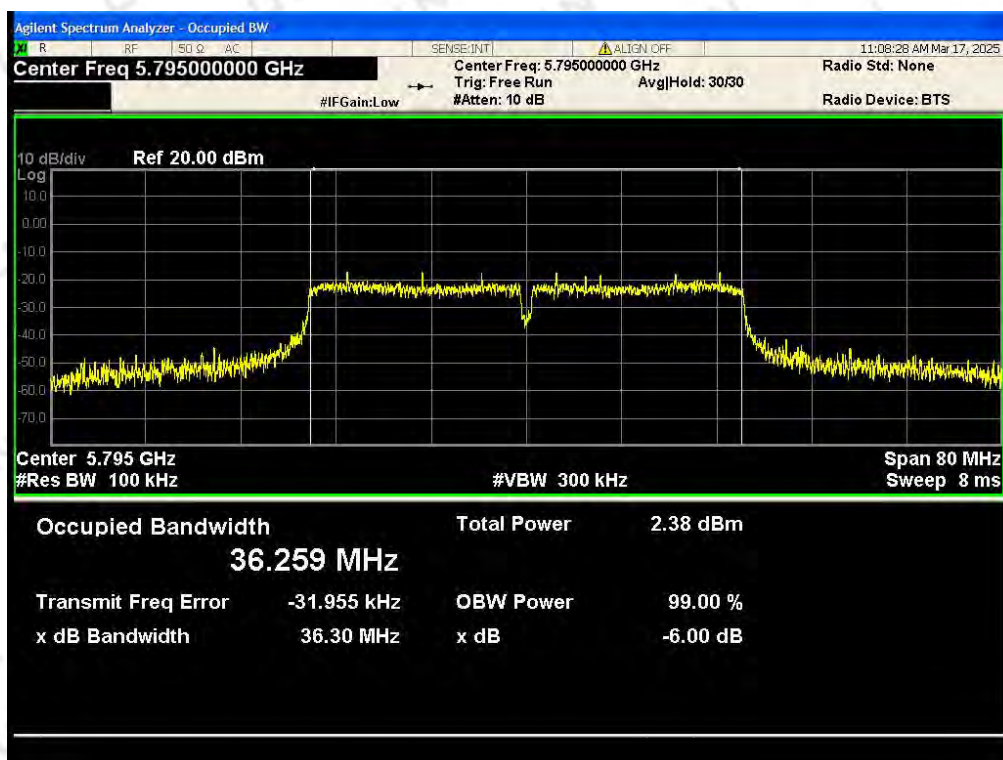
OBW NVNT 802.11ac20 5825MHz Ant1



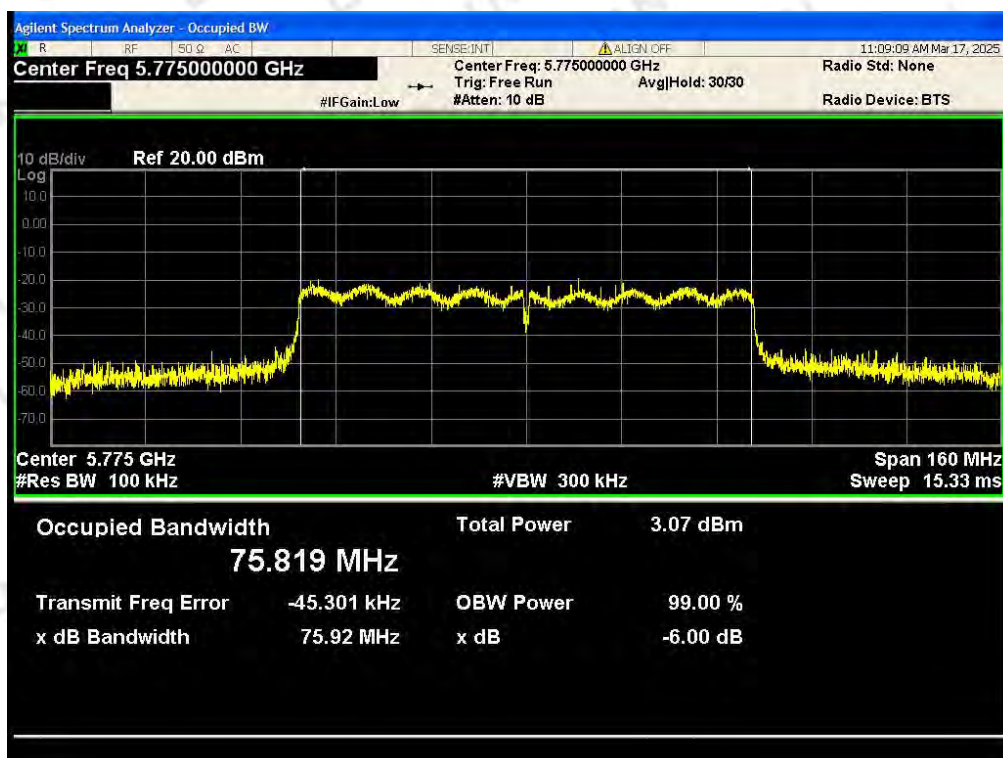
OBW NVNT 802.11ac40 5755MHz Ant1



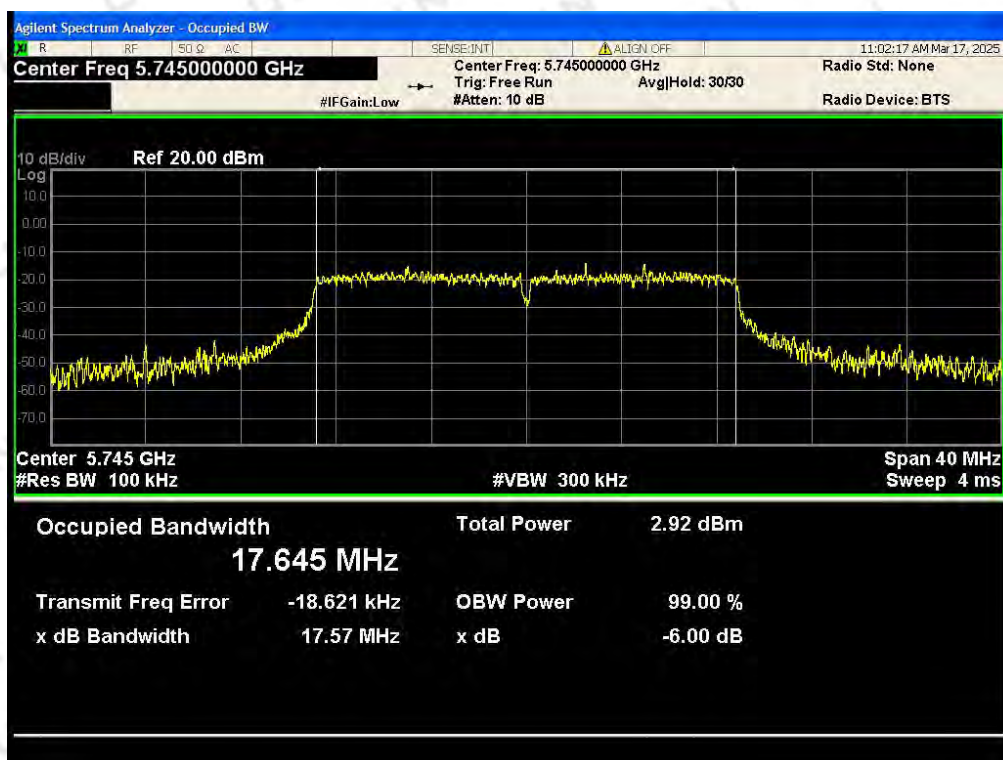
OBW NVNT 802.11ac40 5795MHz Ant1



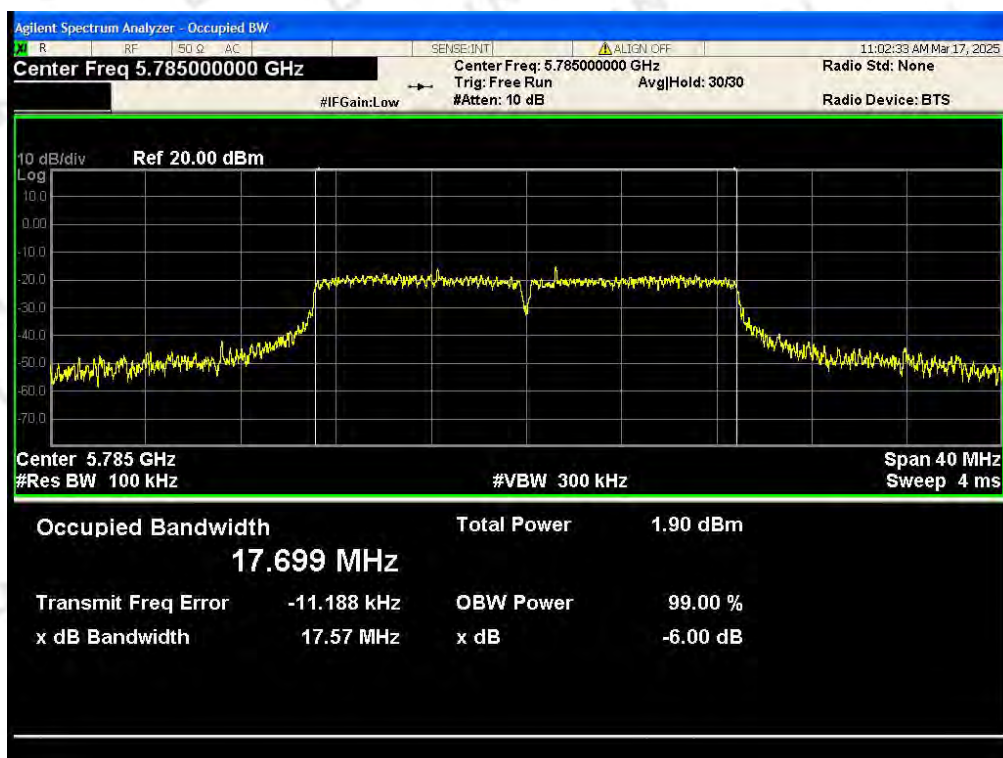
OBW NVNT 802.11ac80 5775MHz Ant1



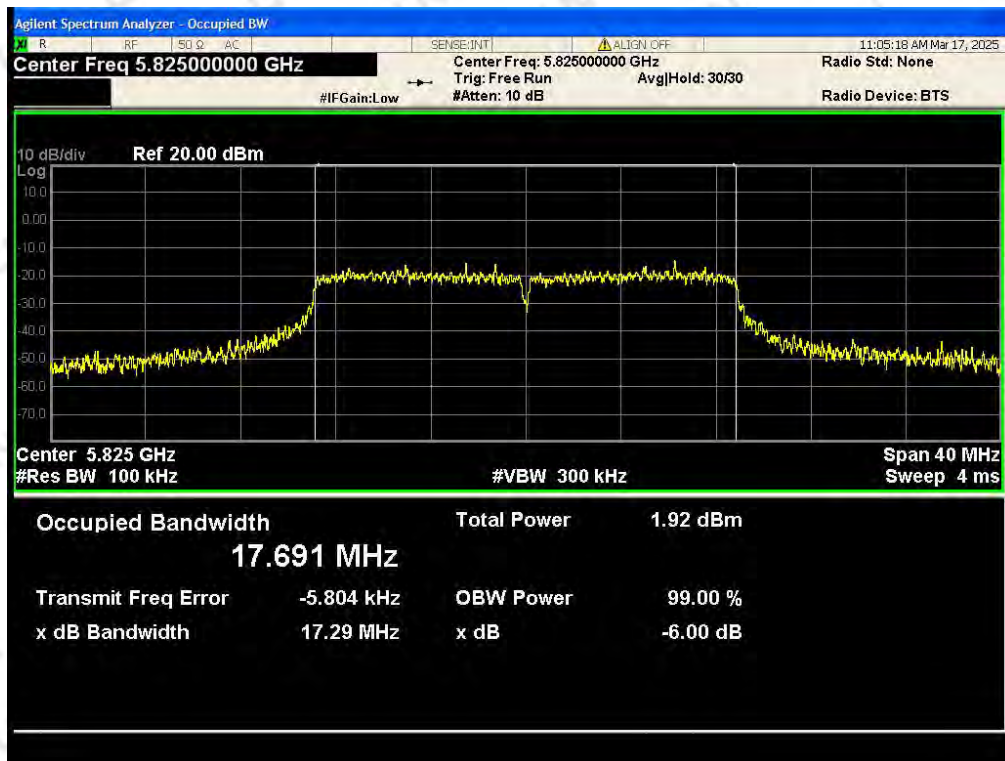
OBW NVNT 802.11n(HT20) 5745MHz Ant1



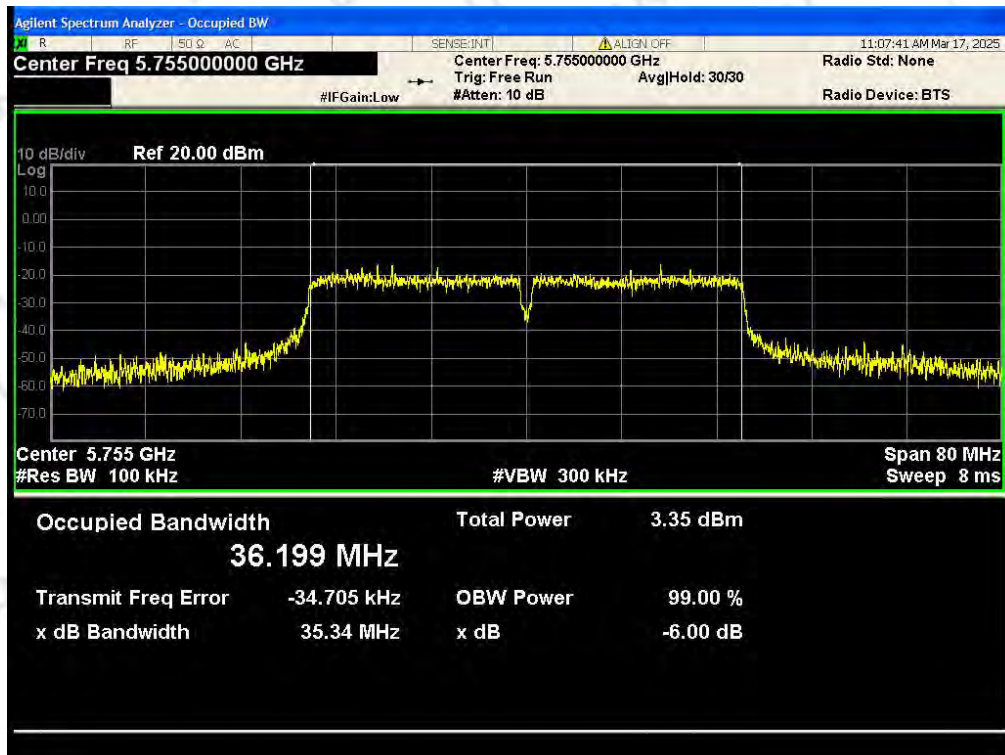
OBW NVNT 802.11n(HT20) 5785MHz Ant1



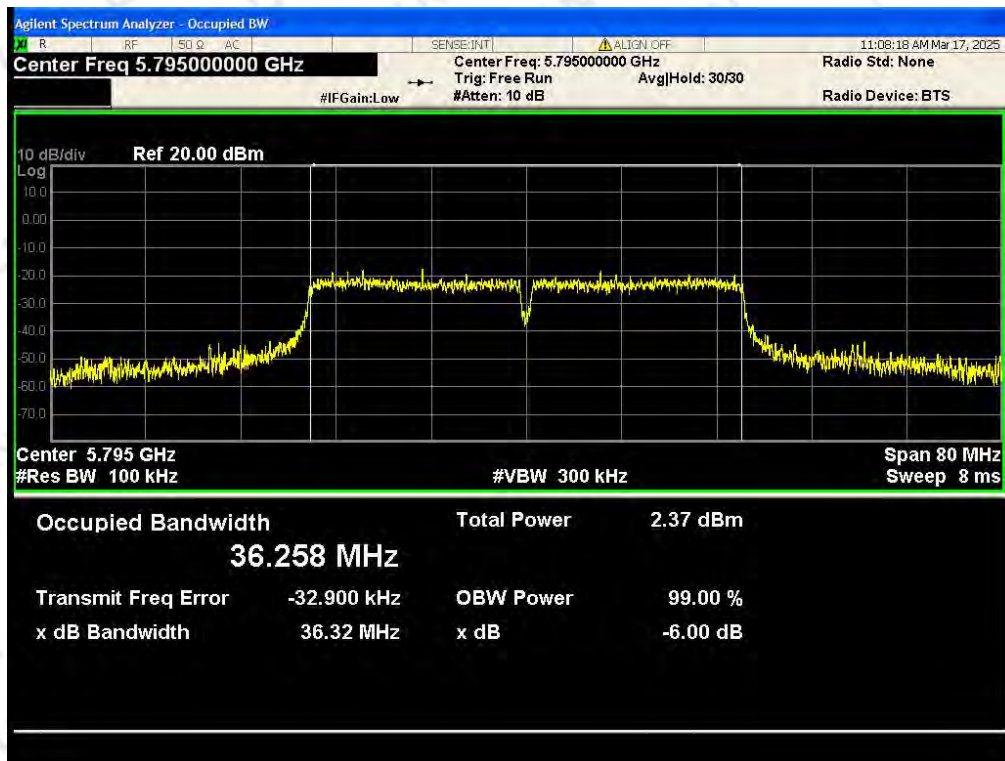
OBW NVNT 802.11n(HT20) 5825MHz Ant1



OBW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1



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	-0.213	0	-0.213	30	Pass
NVNT	802.11a	5785	Ant 1	-0.824	0	-0.824	30	Pass
NVNT	802.11a	5825	Ant 1	-0.185	0	-0.185	30	Pass
NVNT	802.11ac20	5745	Ant 1	-0.134	0	-0.134	30	Pass
NVNT	802.11ac20	5785	Ant 1	-0.669	0	-0.669	30	Pass
NVNT	802.11ac20	5825	Ant 1	-0.554	0	-0.554	30	Pass
NVNT	802.11ac40	5755	Ant 1	-2.717	0	-2.717	30	Pass
NVNT	802.11ac40	5795	Ant 1	-3.118	0	-3.118	30	Pass
NVNT	802.11ac80	5775	Ant 1	-4.39	0	-4.39	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-0.064	0	-0.064	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-0.719	0	-0.719	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-0.524	0	-0.524	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-2.394	0	-2.394	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-3.209	0	-3.209	30	Pass

PSD NVNT 802.11a 5745MHz Ant1



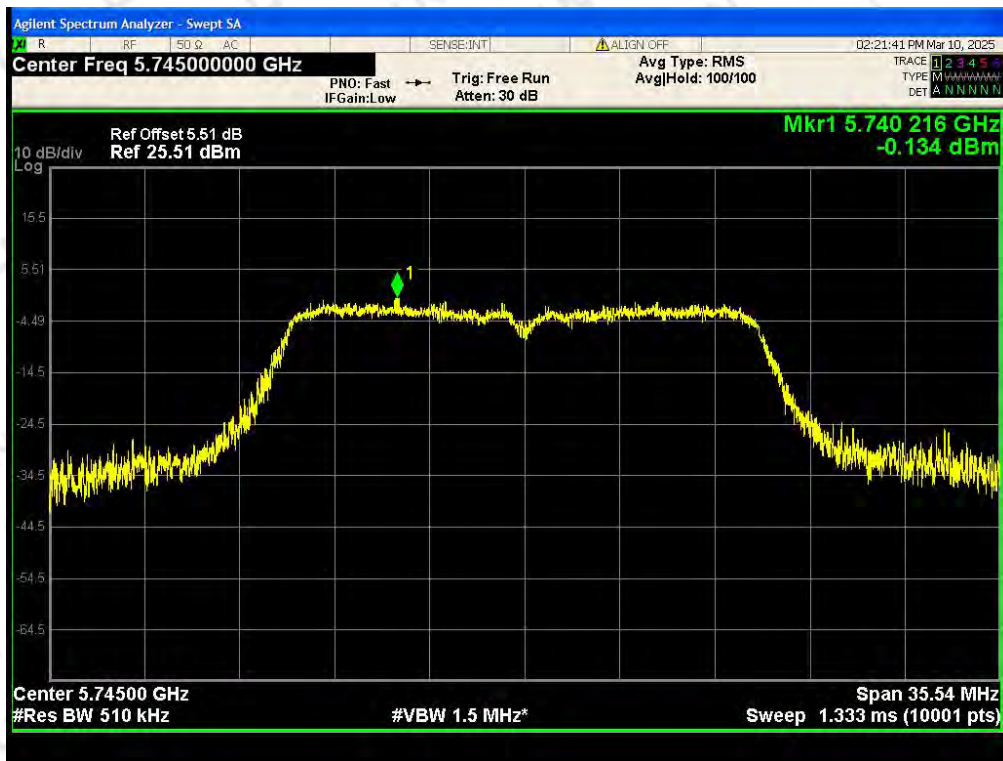
PSD NVNT 802.11a 5785MHz Ant1



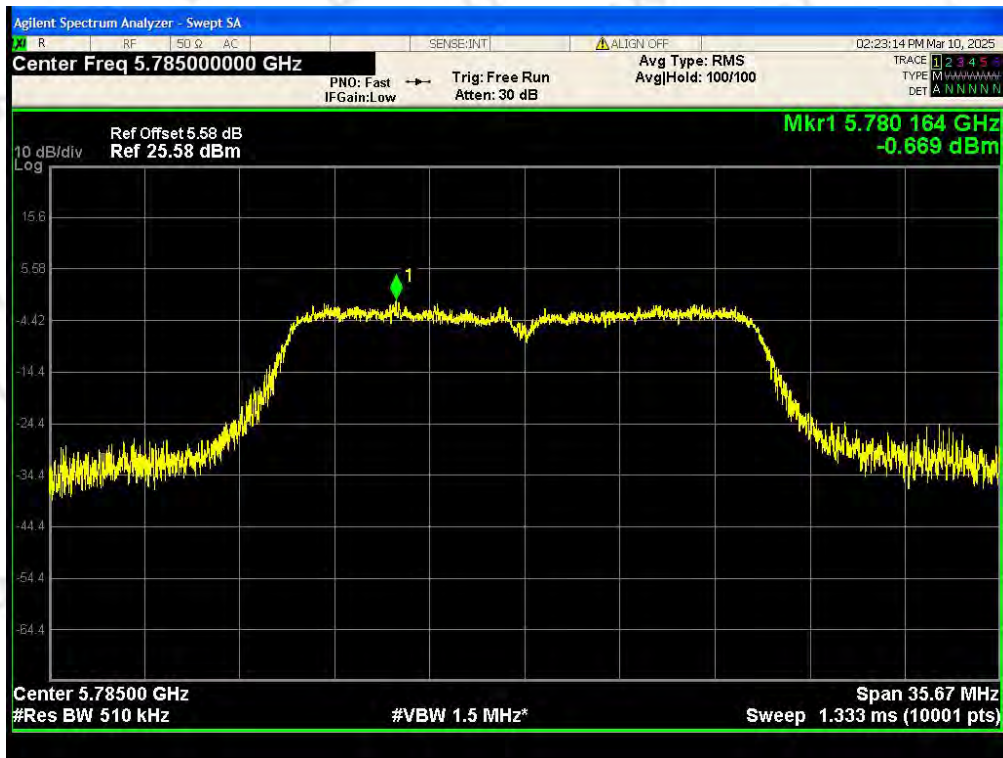
PSD NVNT 802.11a 5825MHz Ant1



PSD NVNT 802.11ac20 5745MHz Ant1



PSD NVNT 802.11ac20 5785MHz Ant1



PSD NVNT 802.11ac20 5825MHz Ant1



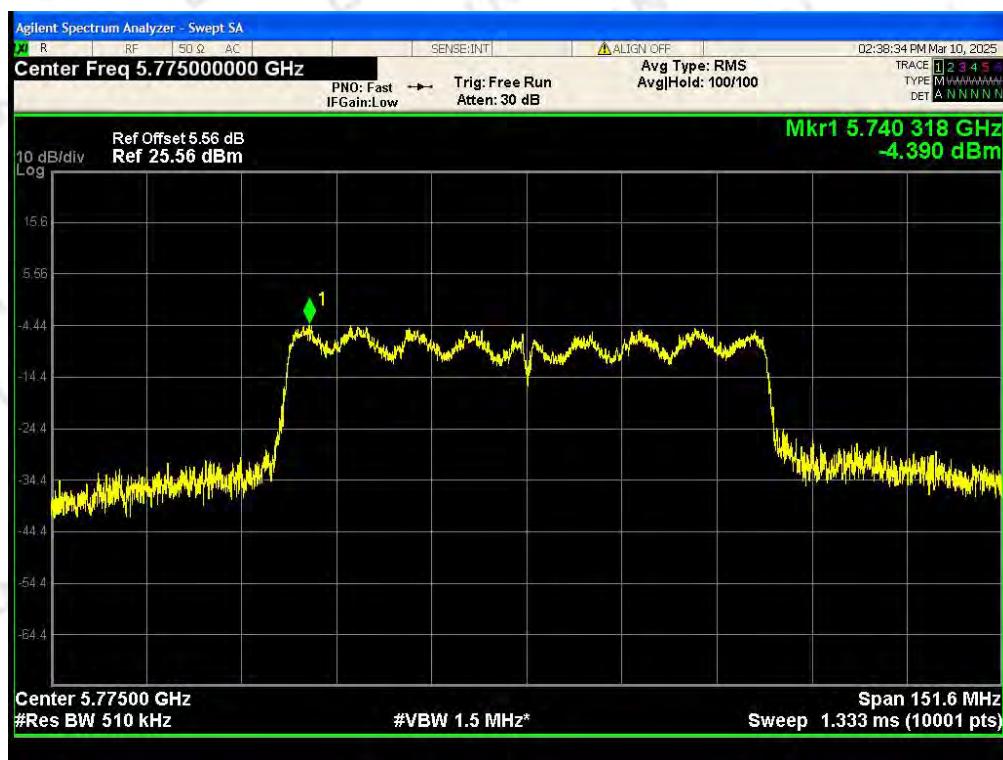
PSD NVNT 802.11ac40 5755MHz Ant1



PSD NVNT 802.11ac40 5795MHz Ant1



PSD NVNT 802.11ac80 5775MHz 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)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-33.12		Pass
NVNT	802.11a	5825	Ant 1	-38.04		Pass
NVNT	802.11ac20	5745	Ant 1	-27.81		Pass
NVNT	802.11ac20	5825	Ant 1	-40.74		Pass
NVNT	802.11ac40	5755	Ant 1	-27.15		Pass
NVNT	802.11ac40	5795	Ant 1	-41.72		Pass
NVNT	802.11ac80	5775	Ant 1	-26.72		Pass
NVNT	802.11n(HT20)	5745	Ant 1	-31.23		Pass
NVNT	802.11n(HT20)	5825	Ant 1	-40		Pass
NVNT	802.11n(HT40)	5755	Ant 1	-29.03		Pass
NVNT	802.11n(HT40)	5795	Ant 1	-42.5		Pass

Band Edge NVNT 802.11a 5745MHz Ant1



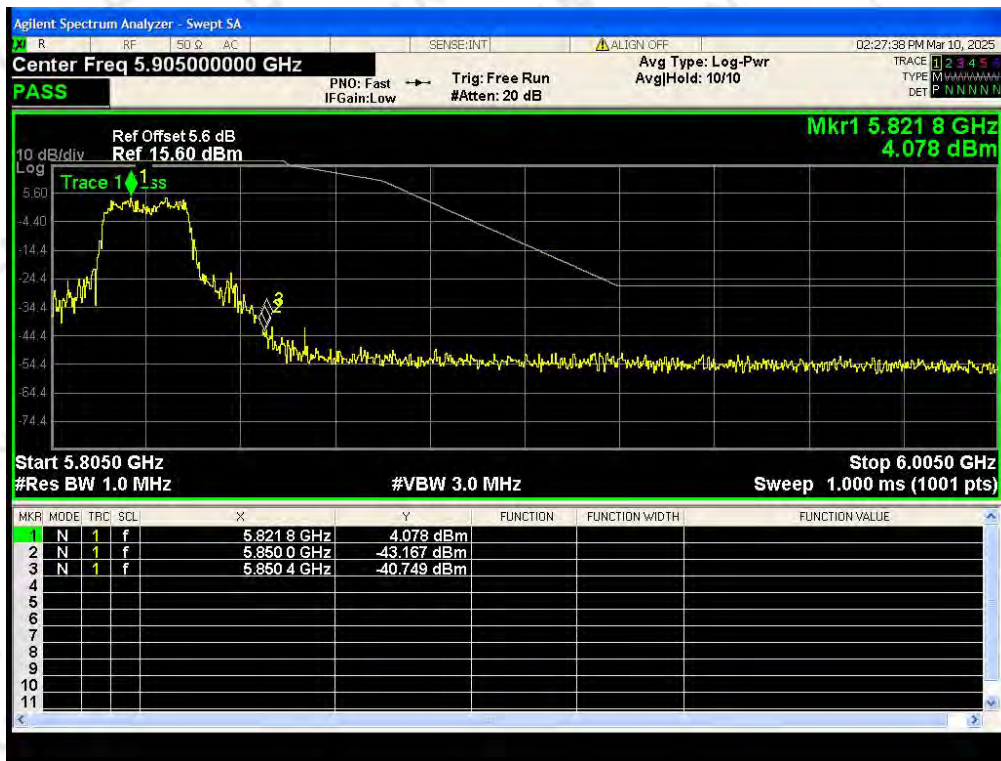
Band Edge NVNT 802.11a 5825MHz Ant1



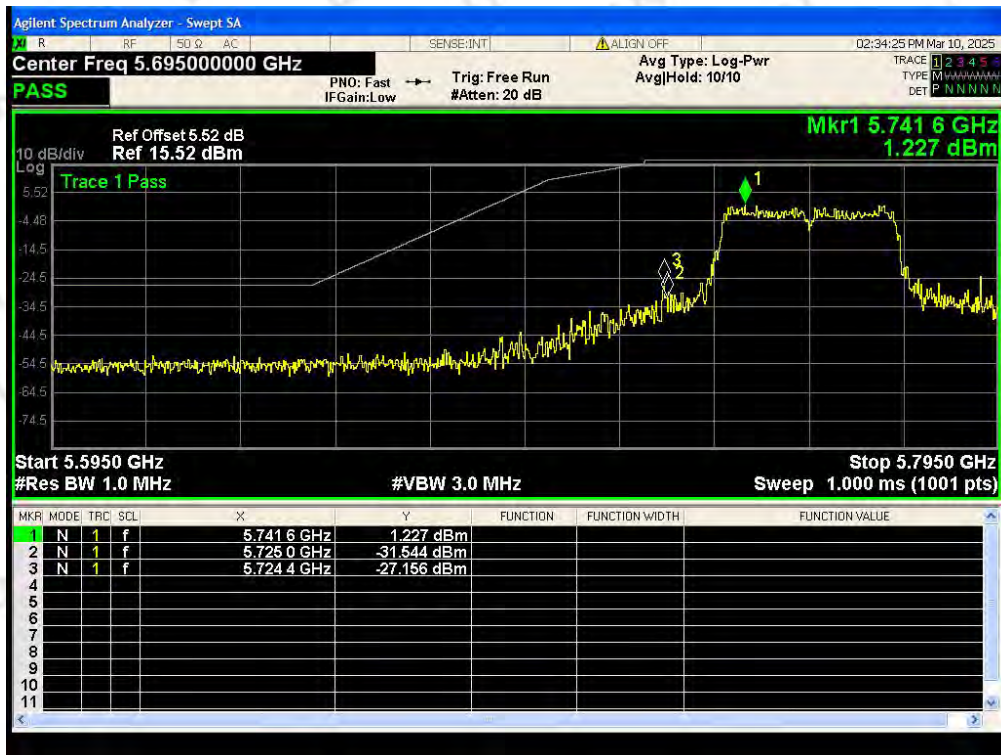
Band Edge NVNT 802.11ac20 5745MHz Ant1



Band Edge NVNT 802.11ac20 5825MHz Ant1



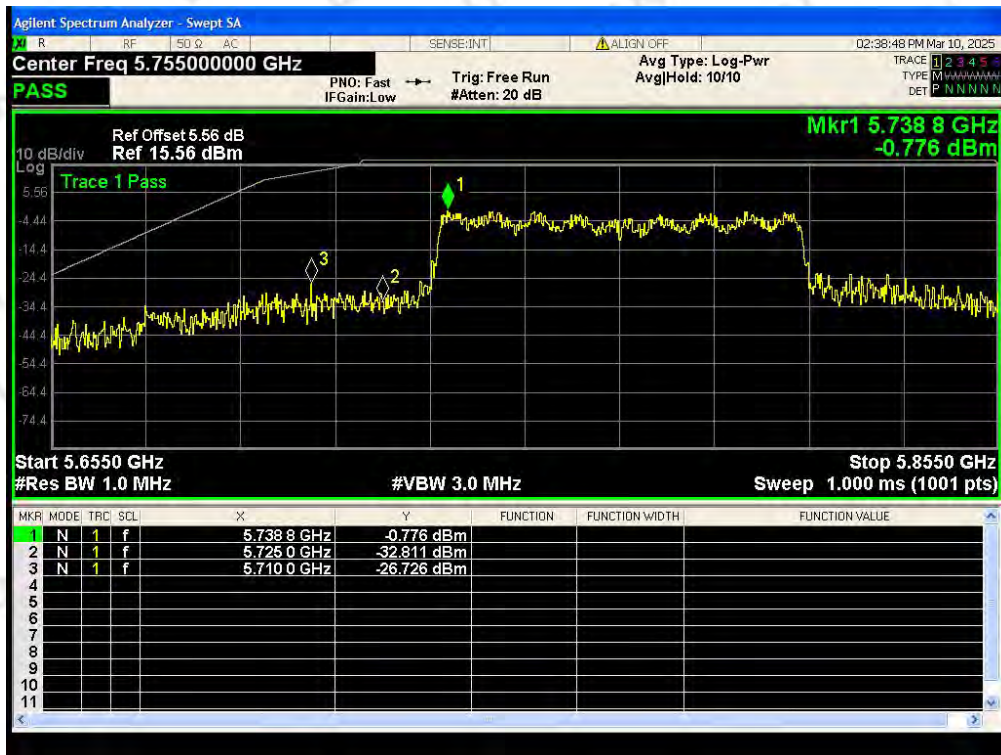
Band Edge NVNT 802.11ac40 5755MHz Ant1



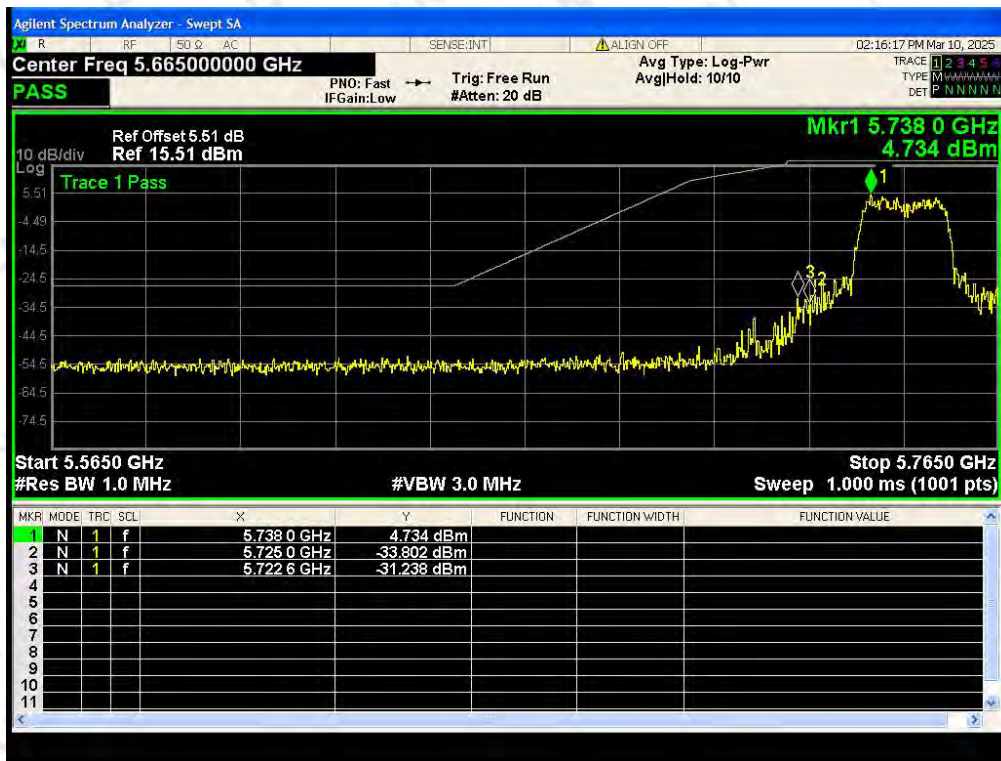
Band Edge NVNT 802.11ac40 5795MHz Ant1



Band Edge NVNT 802.11ac80 5775MHz Ant1



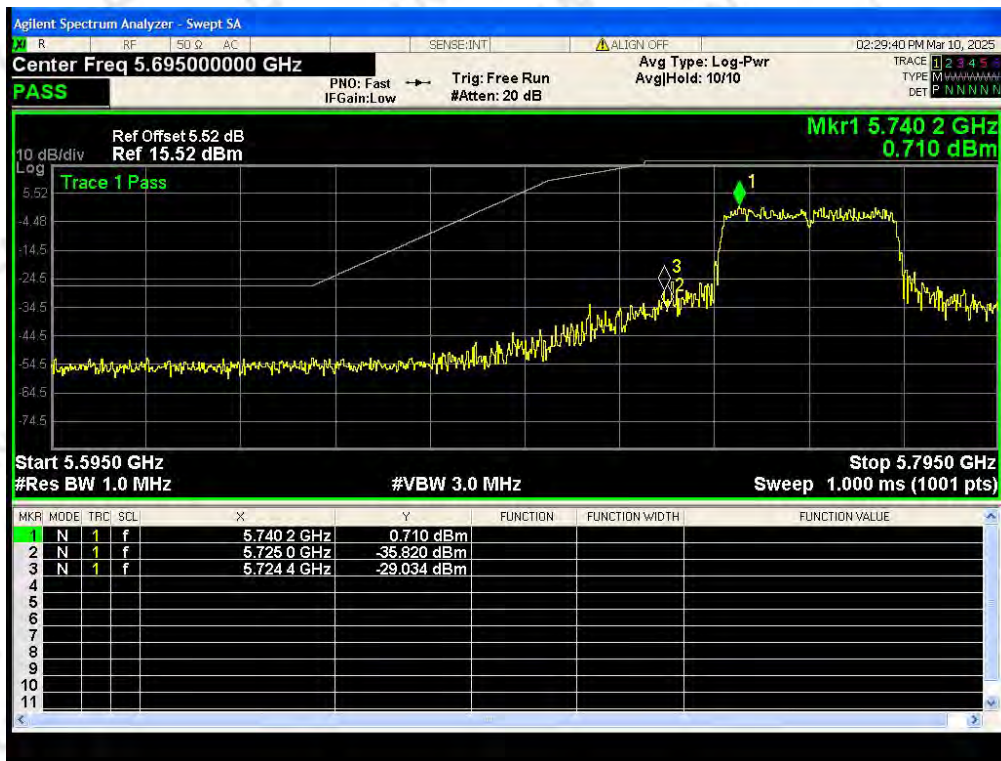
Band Edge NVNT 802.11n(HT20) 5745MHz Ant1



Band Edge NVNT 802.11n(HT20) 5825MHz Ant1



Band Edge NVNT 802.11n(HT40) 5755MHz Ant1



Band Edge NVNT 802.11n(HT40) 5795MHz Ant1



Frequency Stability

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	802.11a	5745	5745	0	25	Pass
NVNT	802.11a	5785	5785	0	25	Pass
NVNT	802.11a	5825	5825	0	25	Pass
NVNT	802.11ac20	5745	5745	0	25	Pass
NVNT	802.11ac20	5785	5785	0	25	Pass
NVNT	802.11ac20	5825	5825	0	25	Pass
NVNT	802.11ac40	5755	5755	0	25	Pass
NVNT	802.11ac40	5795	5795	0	25	Pass
NVNT	802.11ac80	5775	5775	0	25	Pass
NVNT	802.11n(HT20)	5745	5745	0	25	Pass
NVNT	802.11n(HT20)	5785	5785	0	25	Pass
NVNT	802.11n(HT20)	5825	5825	0	25	Pass
NVNT	802.11n(HT40)	5755	5755	0	25	Pass
NVNT	802.11n(HT40)	5795	5795	0	25	Pass

Freq. Stability NVNT 802.11a 5745MHz



Freq. Stability NVNT 802.11a 5785MHz



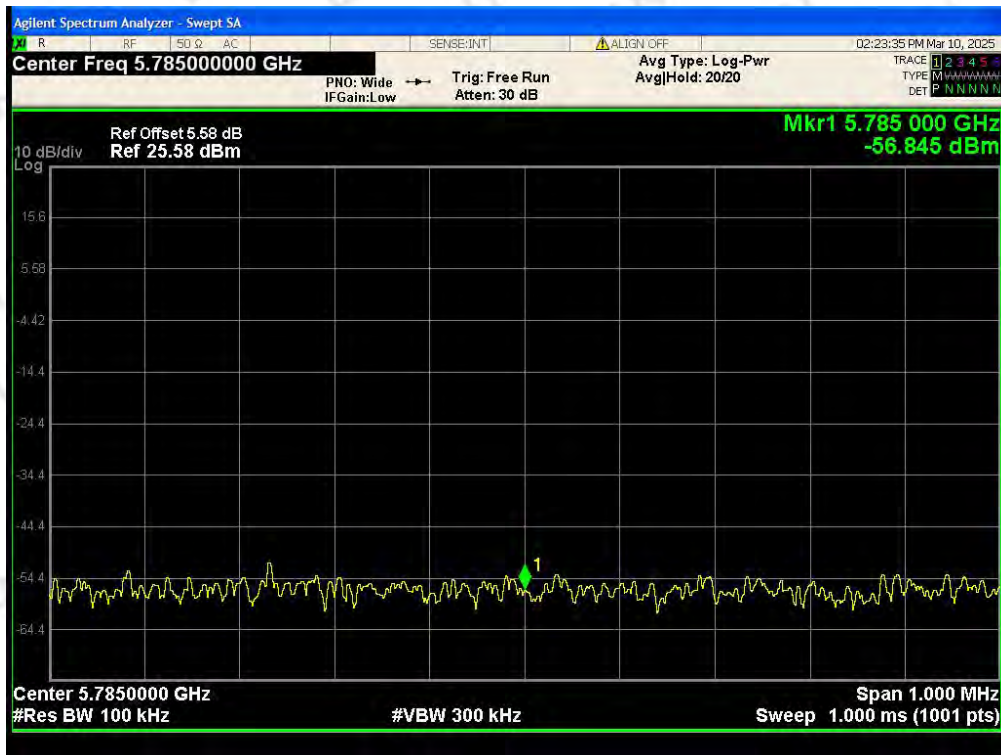
Freq. Stability NVNT 802.11a 5825MHz



Freq. Stability NVNT 802.11ac20 5745MHz



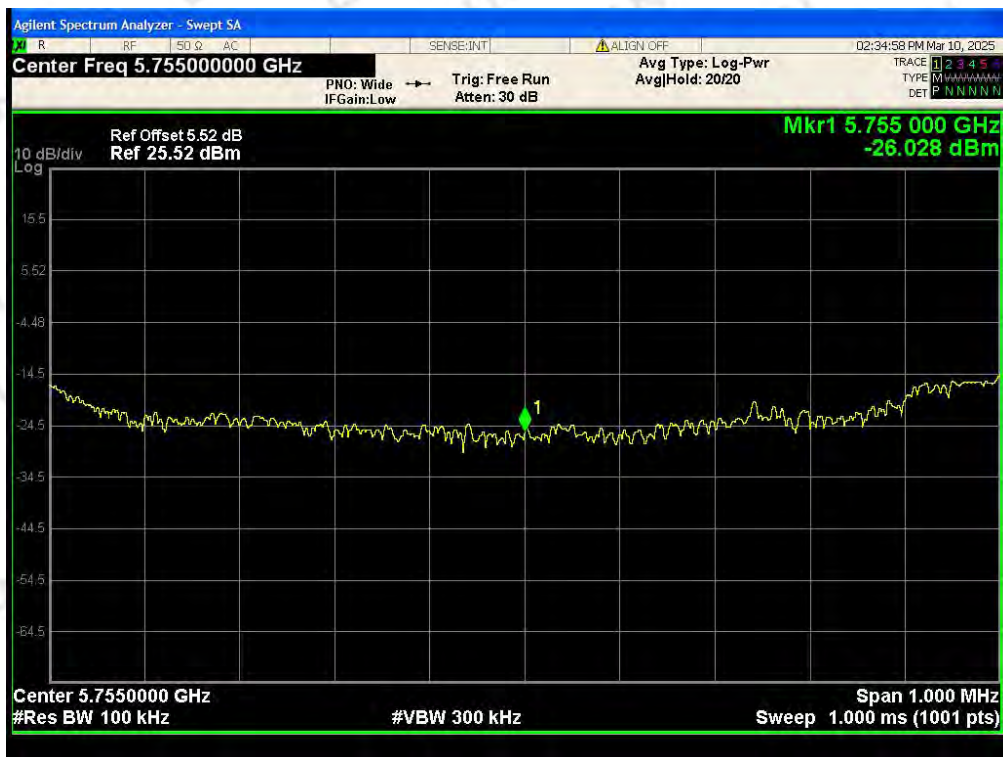
Freq. Stability NVNT 802.11ac20 5785MHz



Freq. Stability NVNT 802.11ac20 5825MHz



Freq. Stability NVNT 802.11ac40 5755MHz



Freq. Stability NVNT 802.11ac40 5795MHz



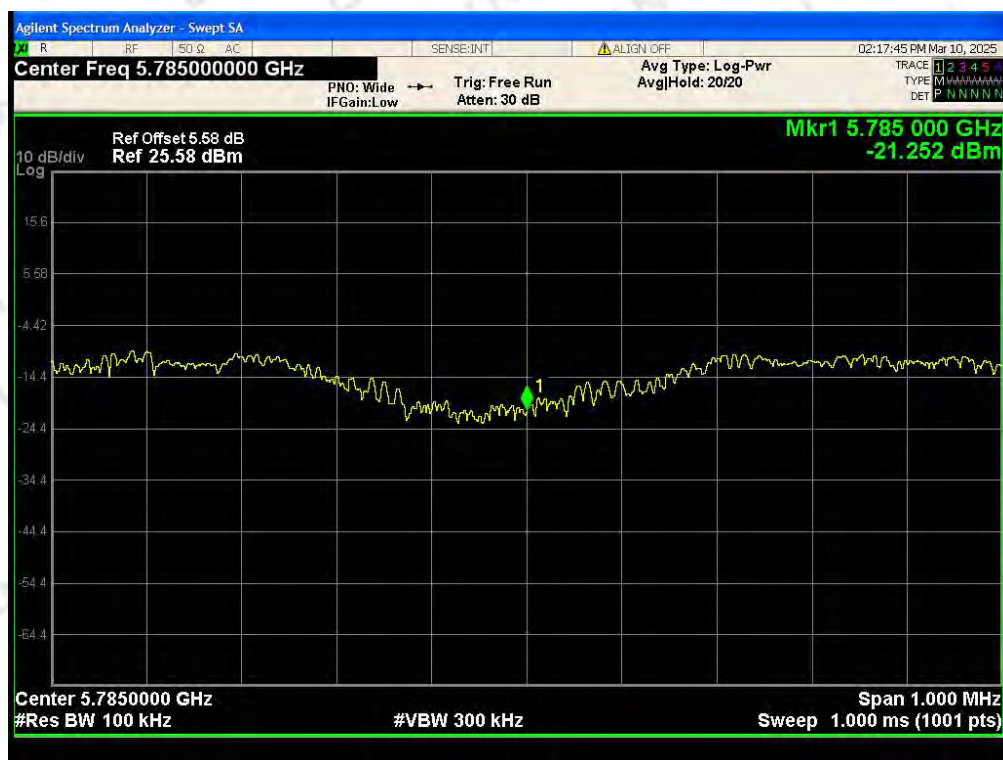
Freq. Stability NVNT 802.11ac80 5775MHz



Freq. Stability NVNT 802.11n(HT20) 5745MHz



Freq. Stability NVNT 802.11n(HT20) 5785MHz



Freq. Stability NVNT 802.11n(HT20) 5825MHz



Freq. Stability NVNT 802.11n(HT40) 5755MHz



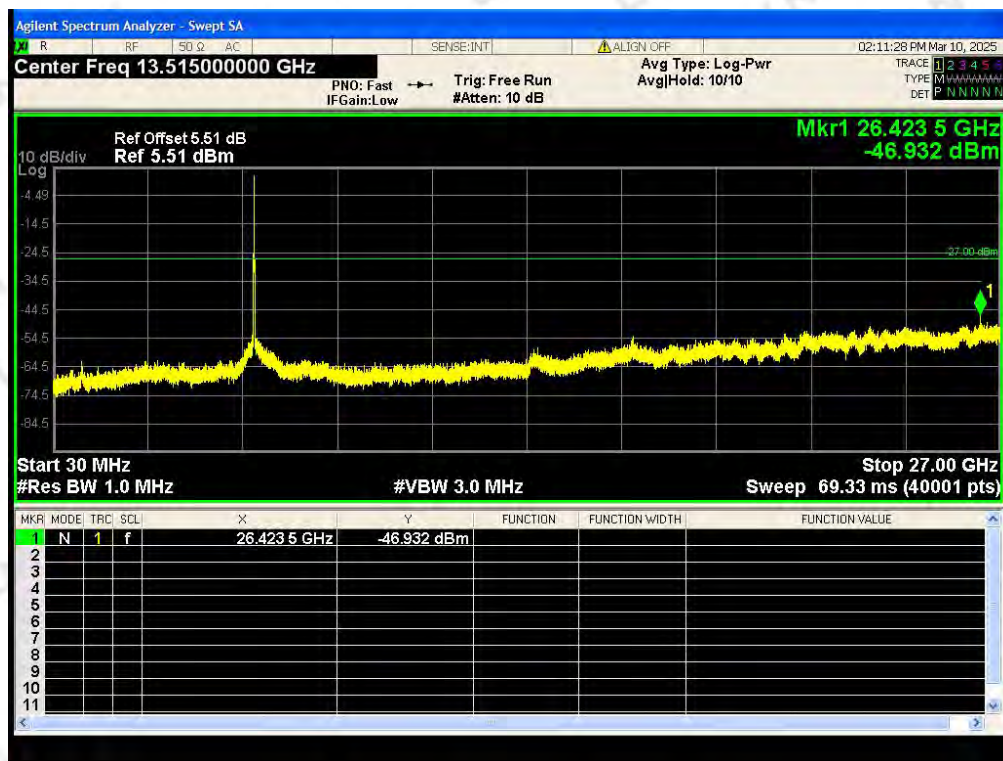
Freq. Stability NVNT 802.11n(HT40) 5795MHz



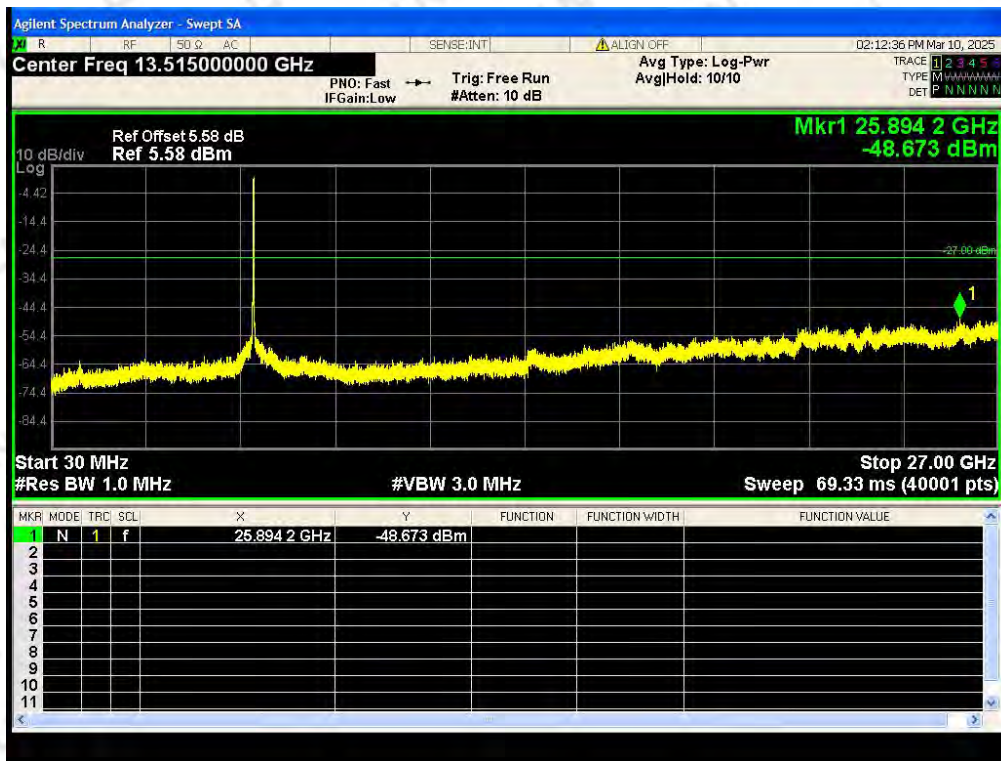
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-46.93	-27	Pass
NVNT	802.11a	5785	Ant 1	-48.67	-27	Pass
NVNT	802.11a	5825	Ant 1	-47.76	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-48.34	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-48.56	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-48.5	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-49.08	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-48.98	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-48.43	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-48.72	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-48.74	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-49.22	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-48.9	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-48.69	-27	Pass

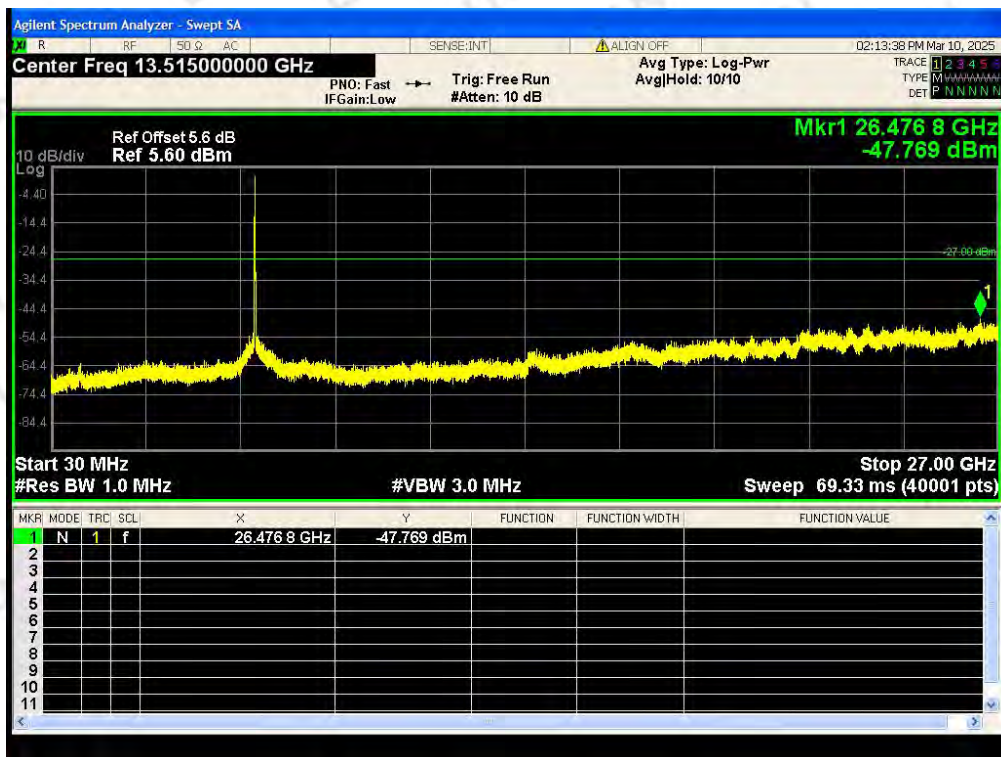
Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



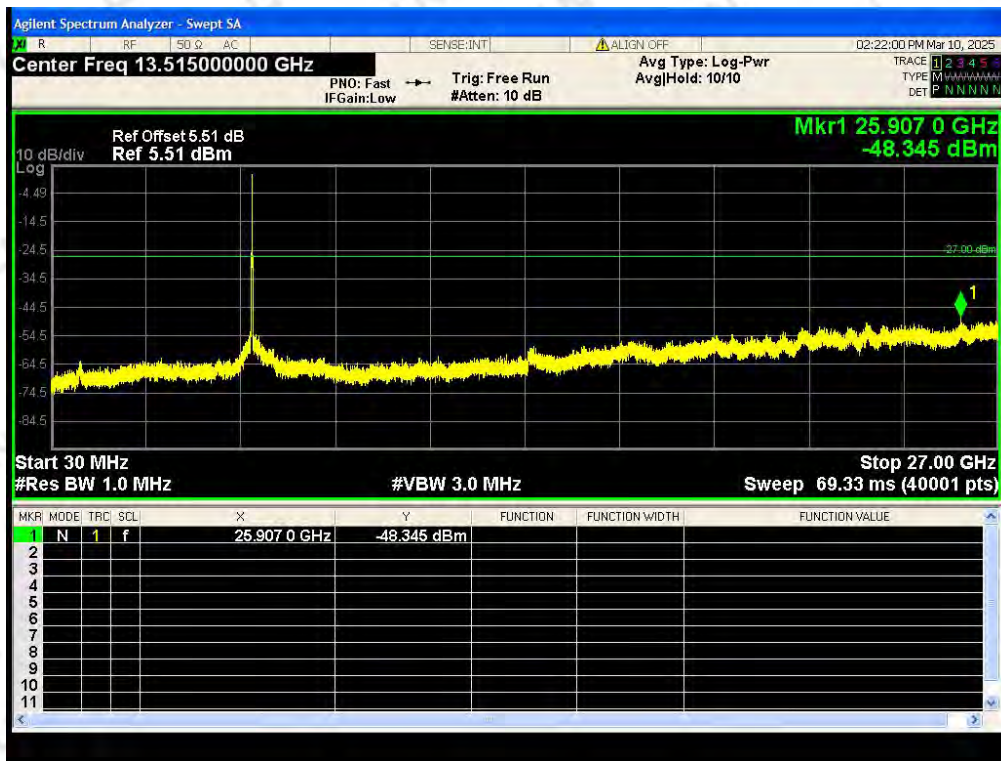
Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



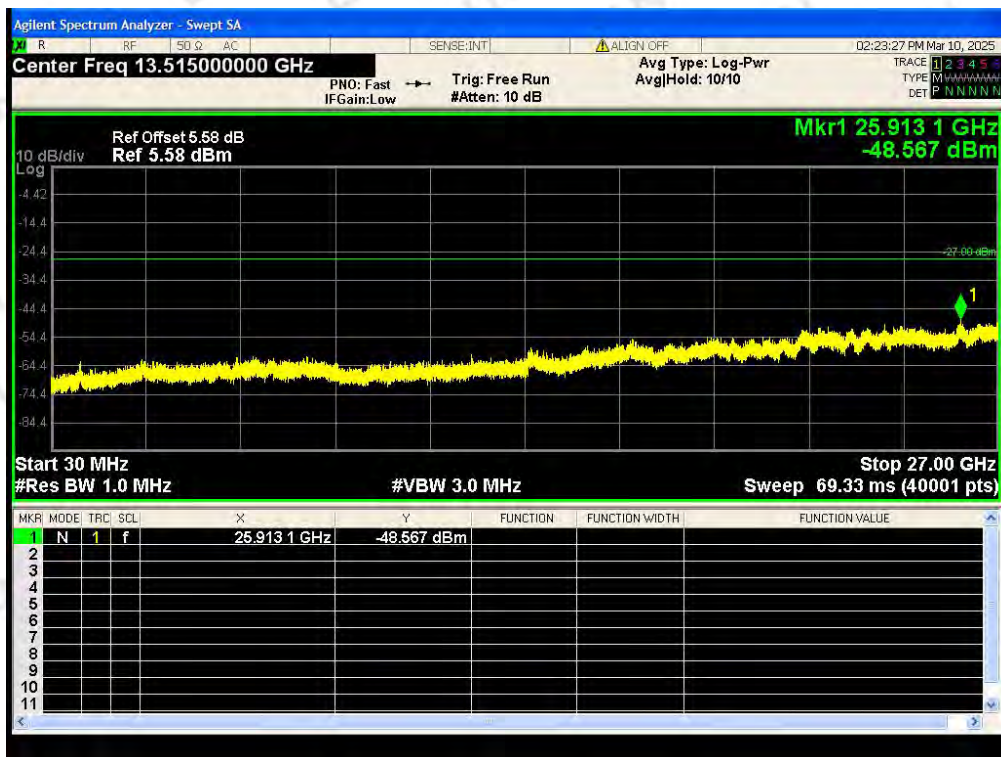
Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission



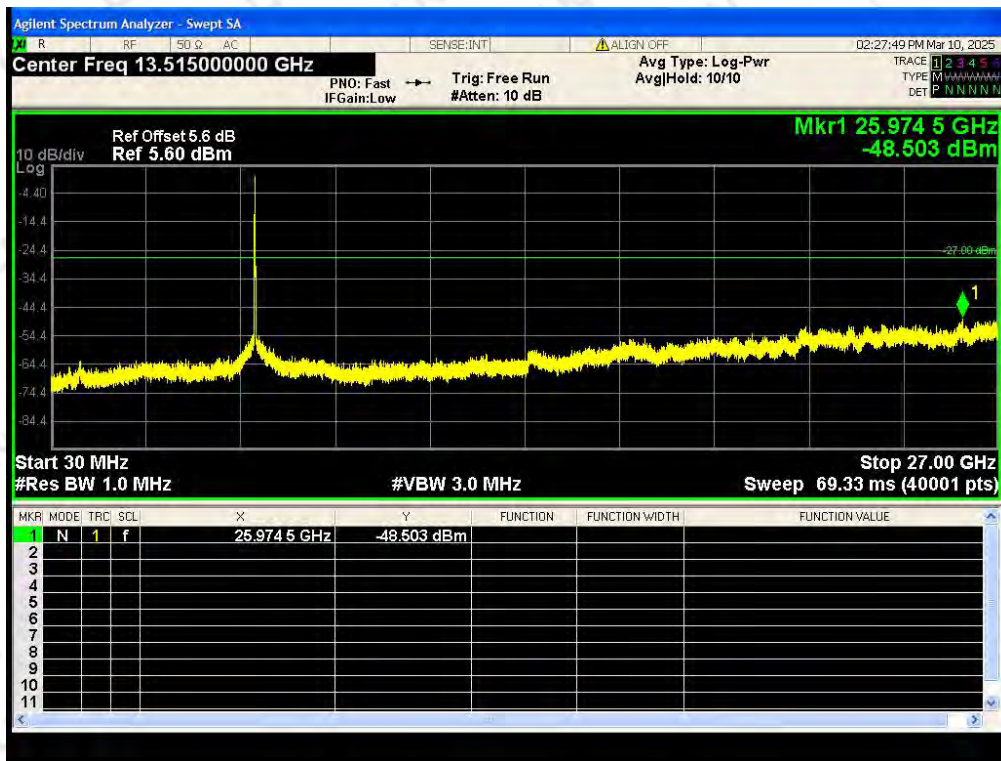
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



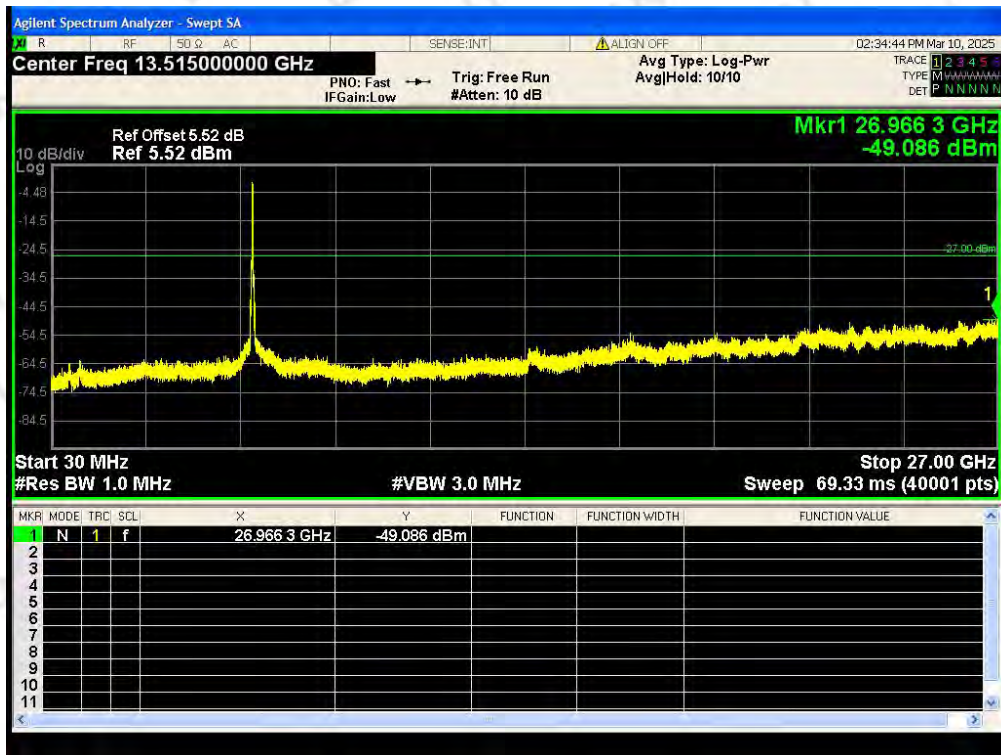
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



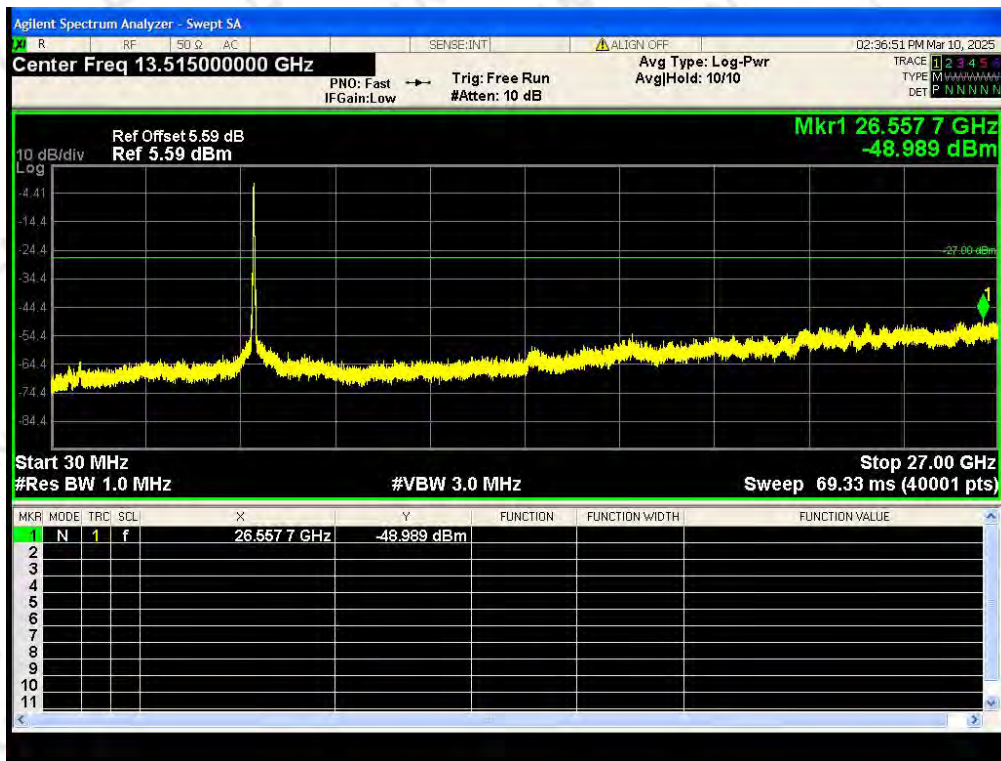
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



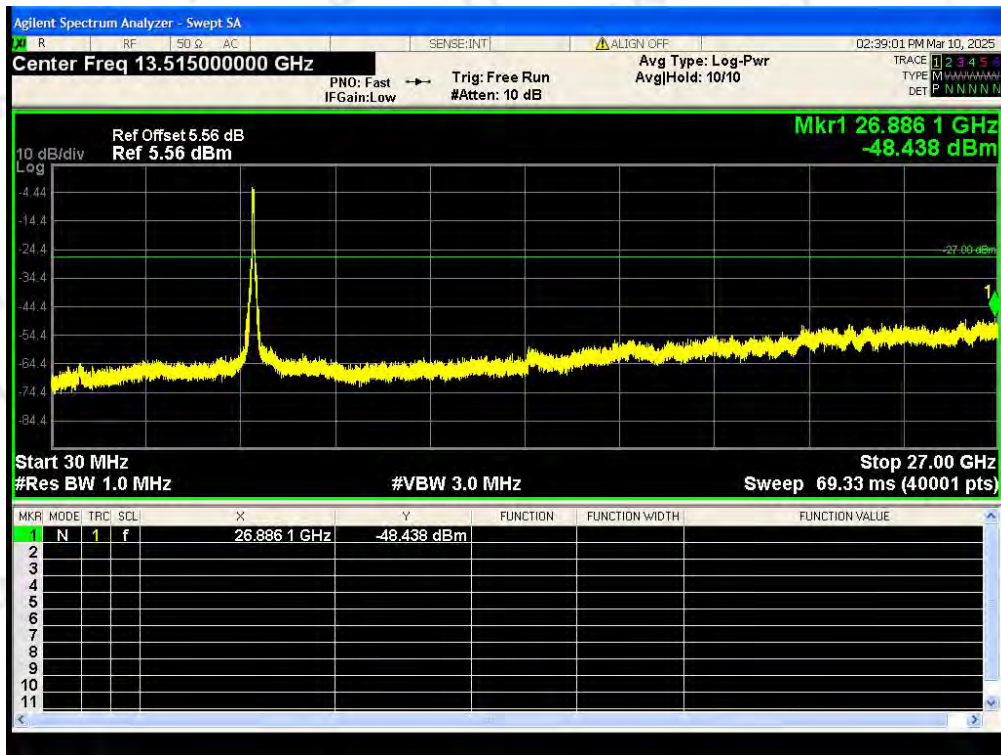
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



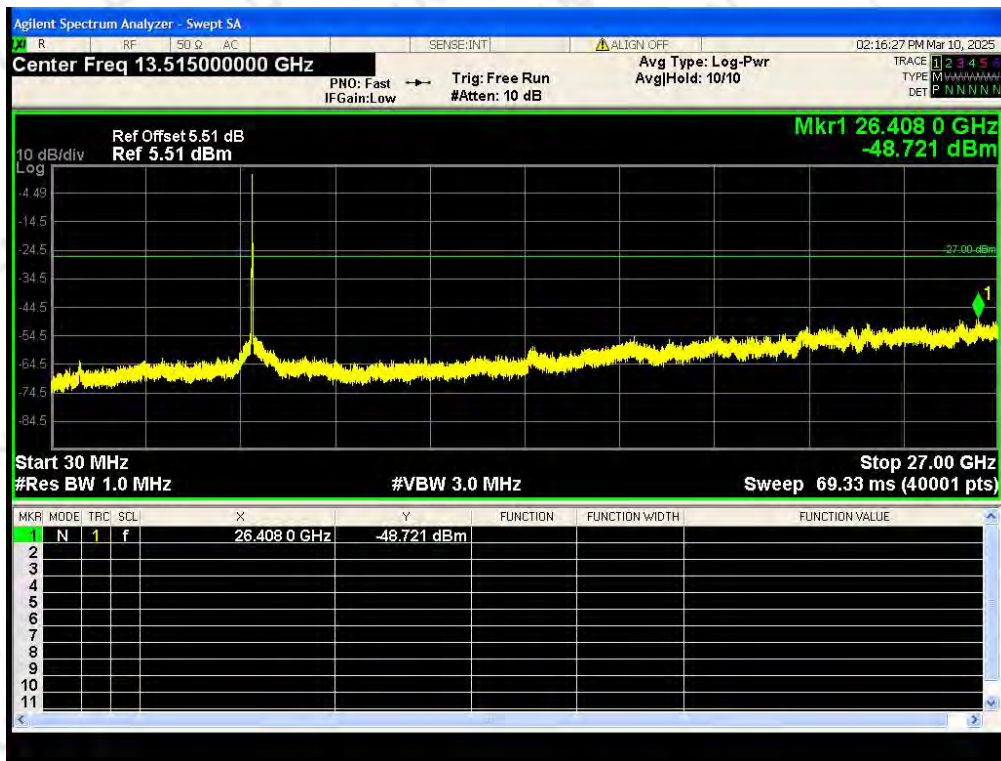
Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission



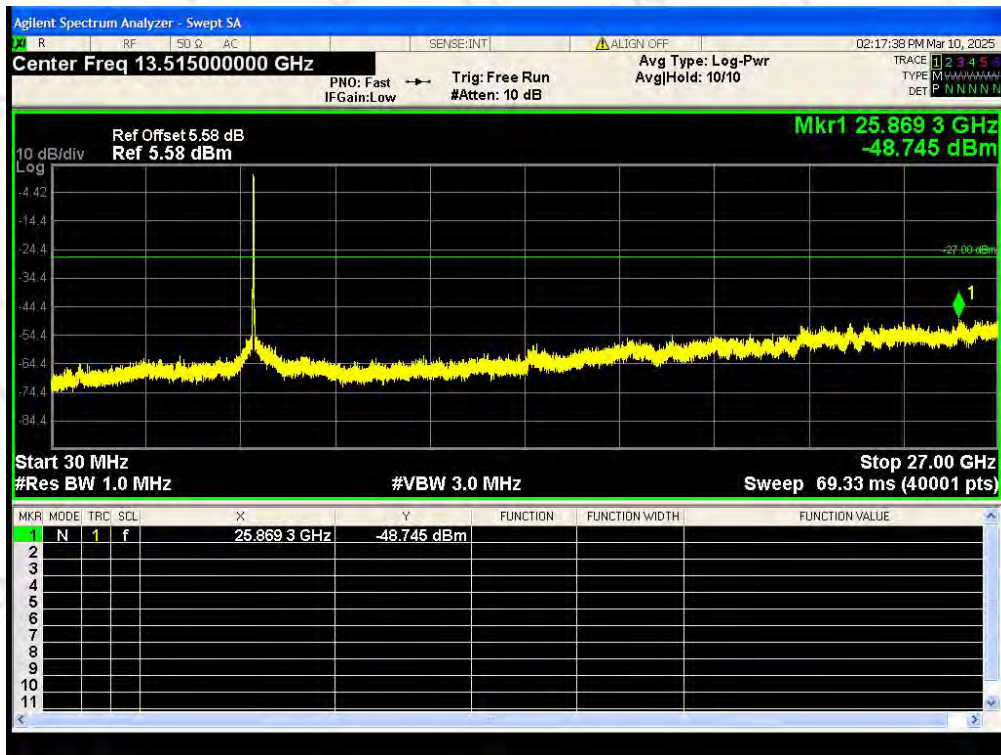
Tx. Spurious NVNT 802.11ac80 5775MHz Ant1 Emission



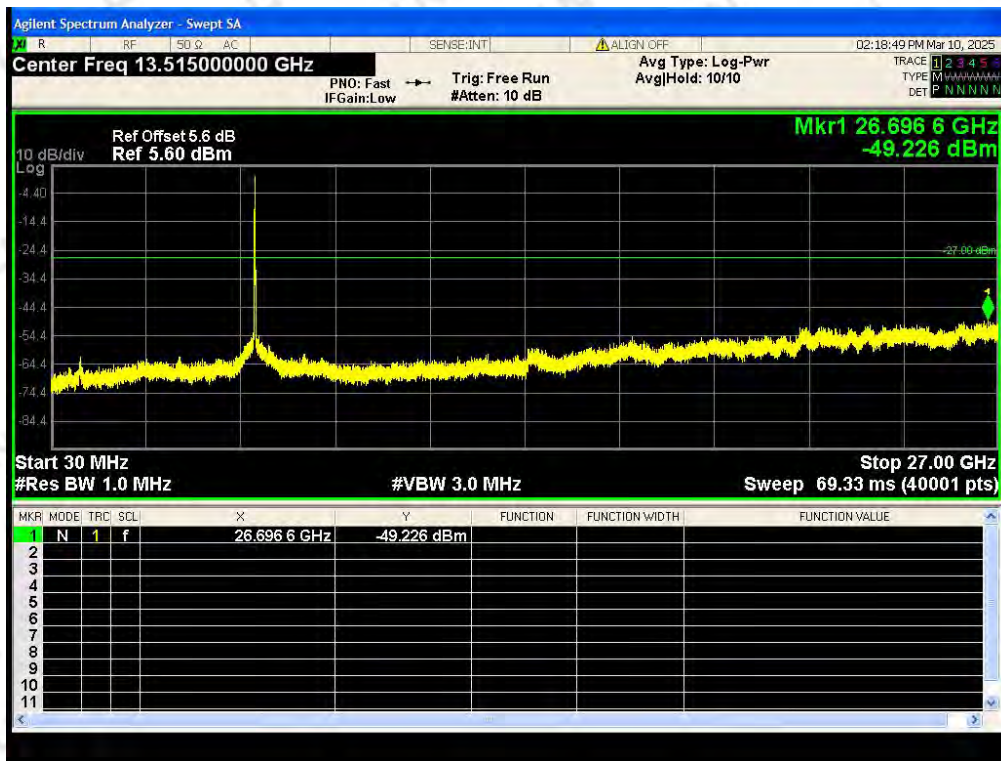
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission



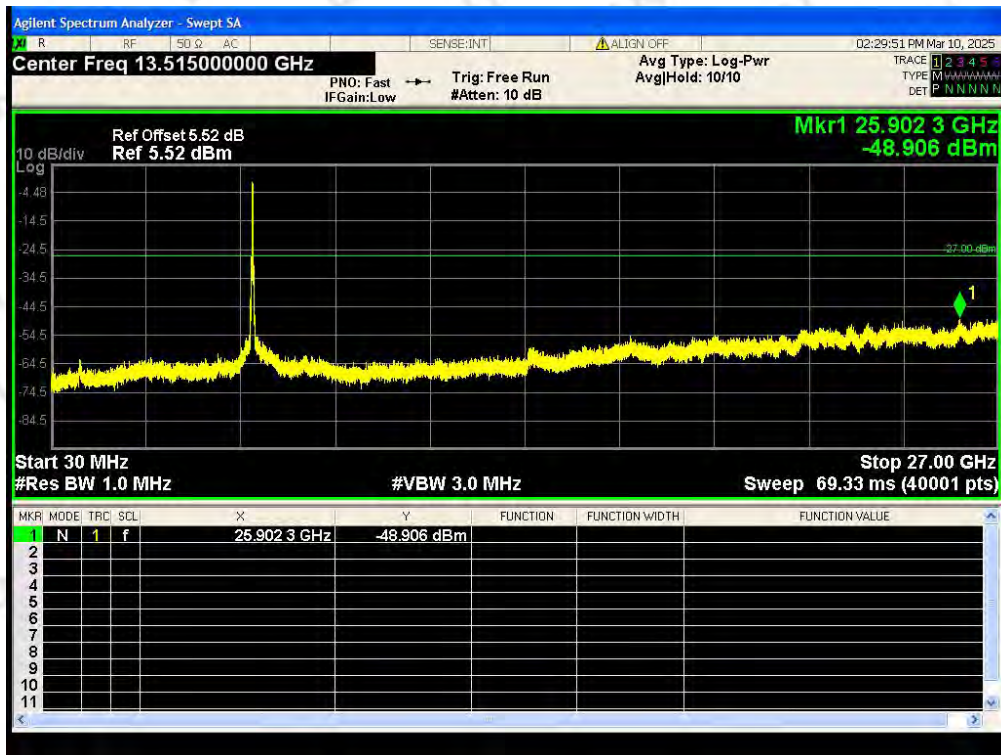
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission



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

