

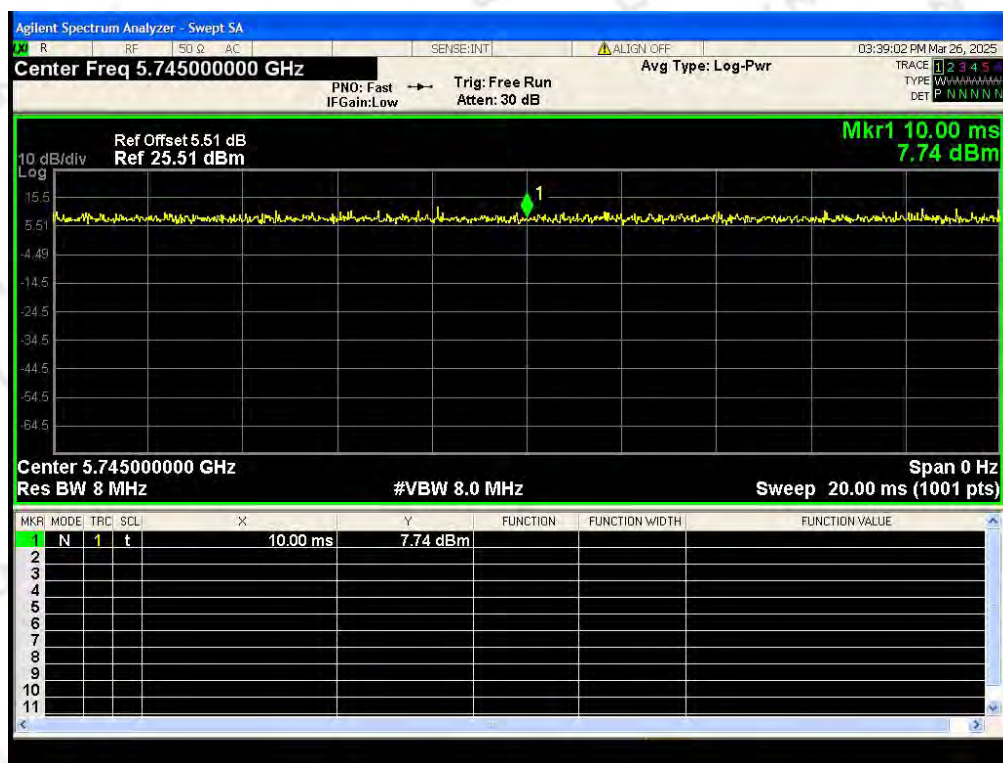
Test Report

ANT 2 5G WIFI RF test data_B4

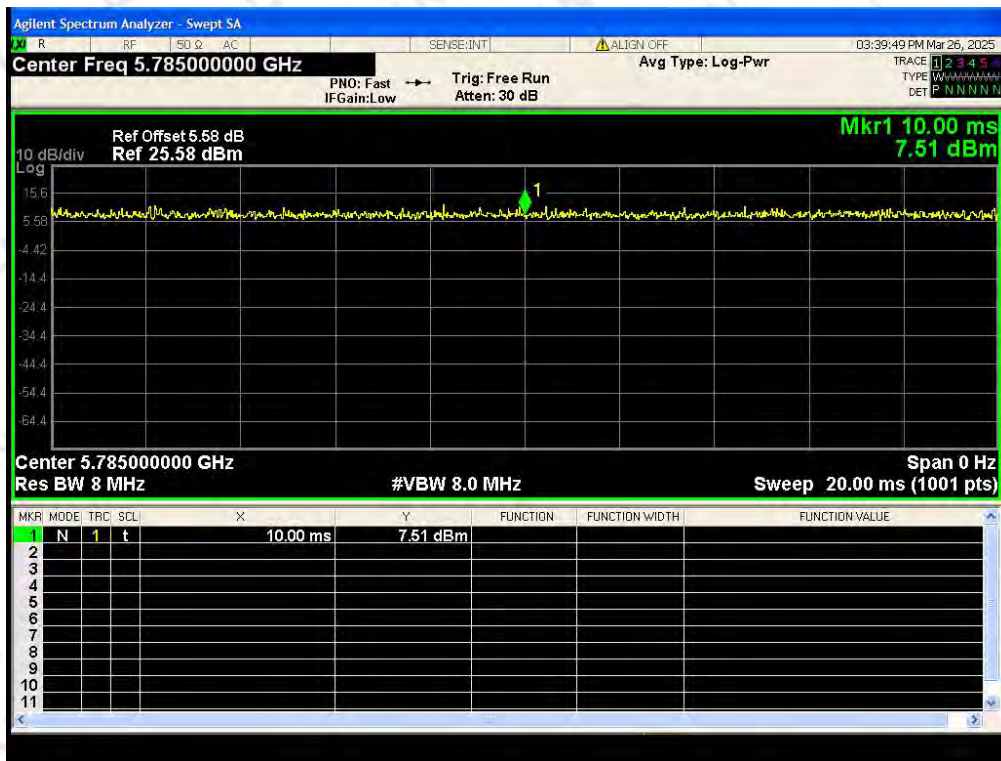
Duty Cycle

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

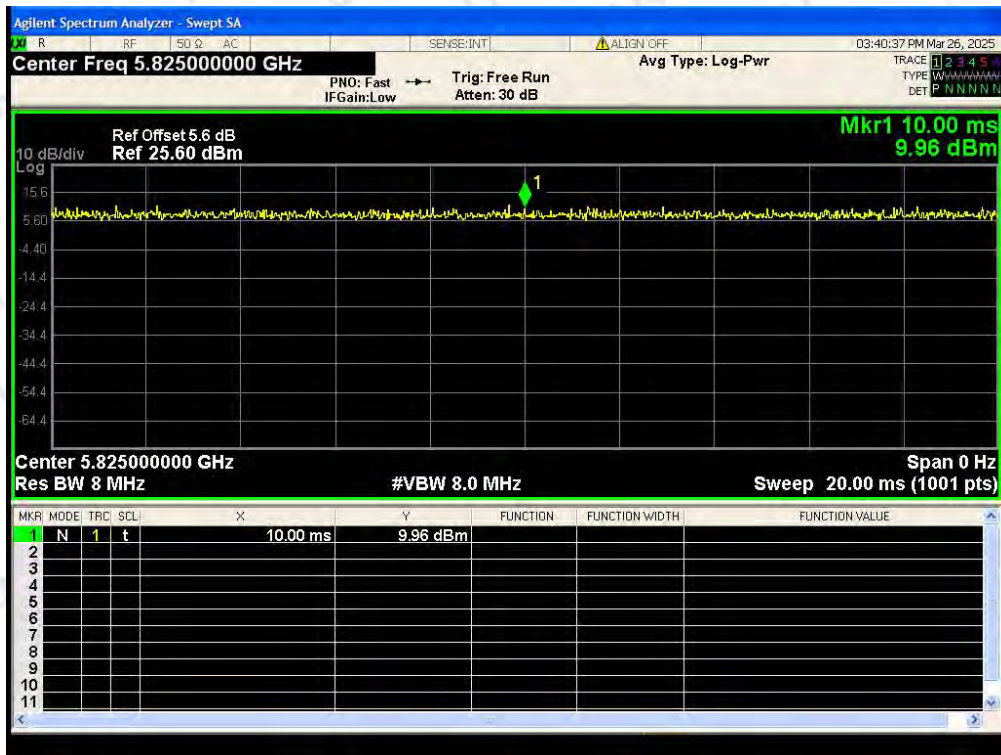
Duty Cycle NVNT 802.11a 5745MHz



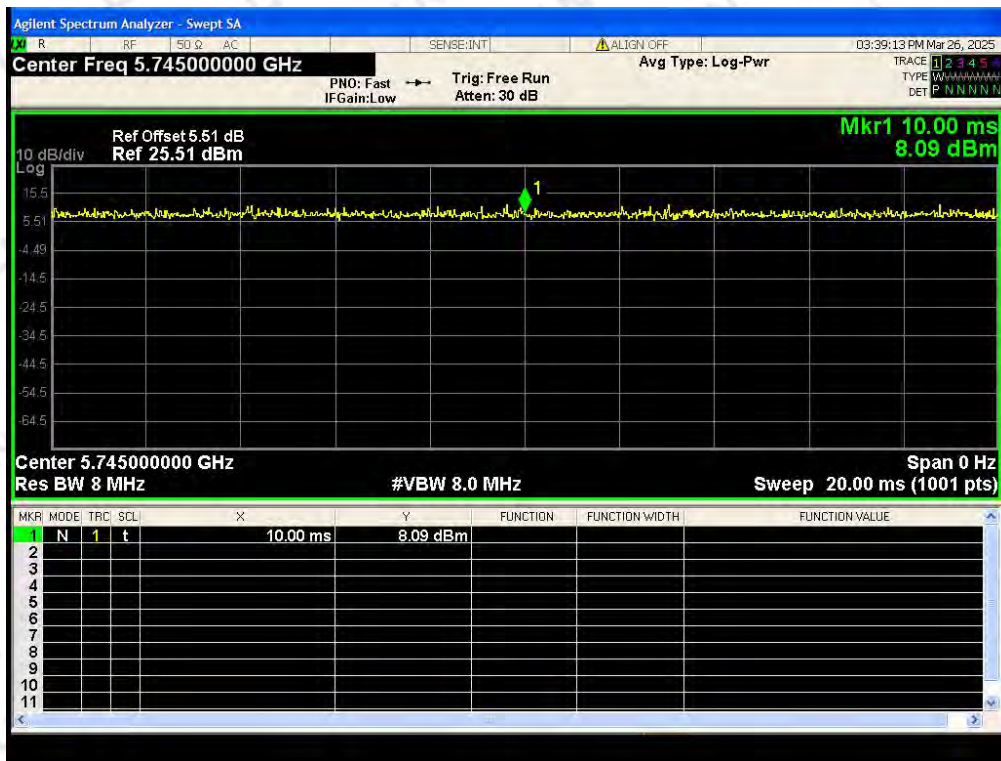
Duty Cycle NVNT 802.11a 5785MHz



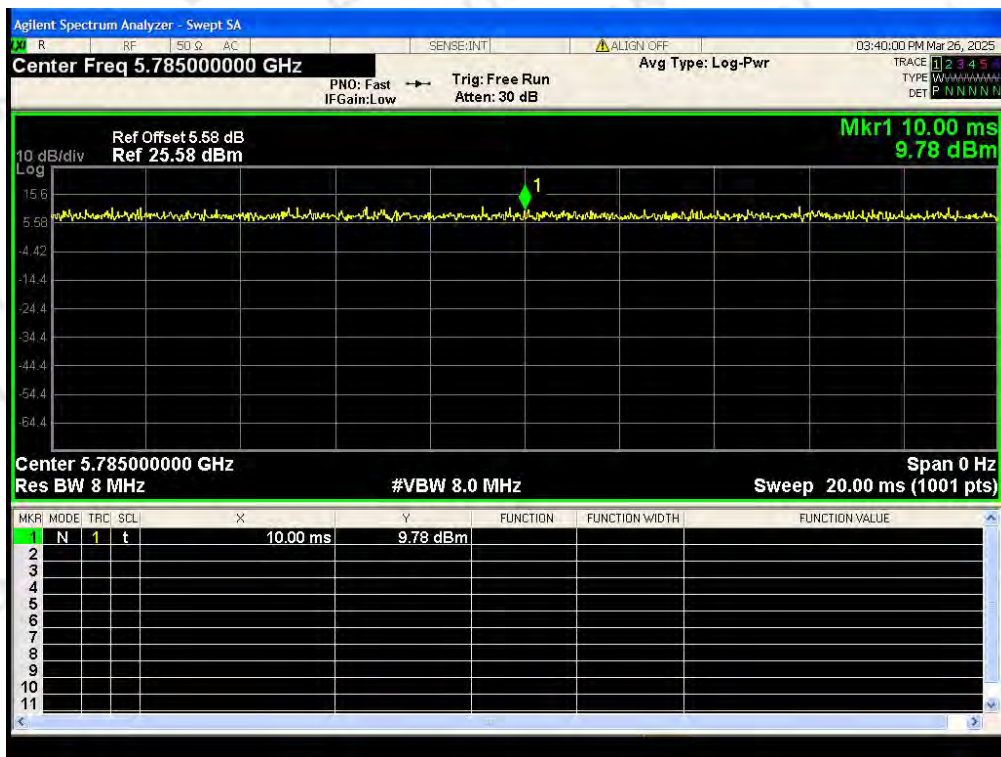
Duty Cycle NVNT 802.11a 5825MHz



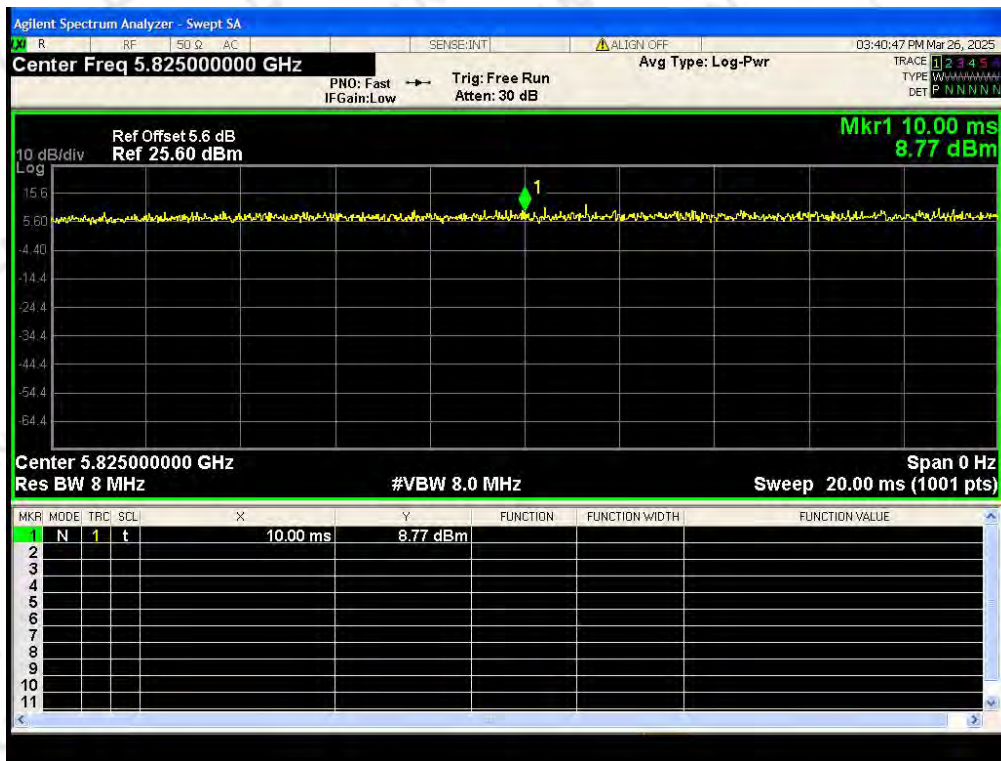
Duty Cycle NVNT 802.11ac20 5745MHz



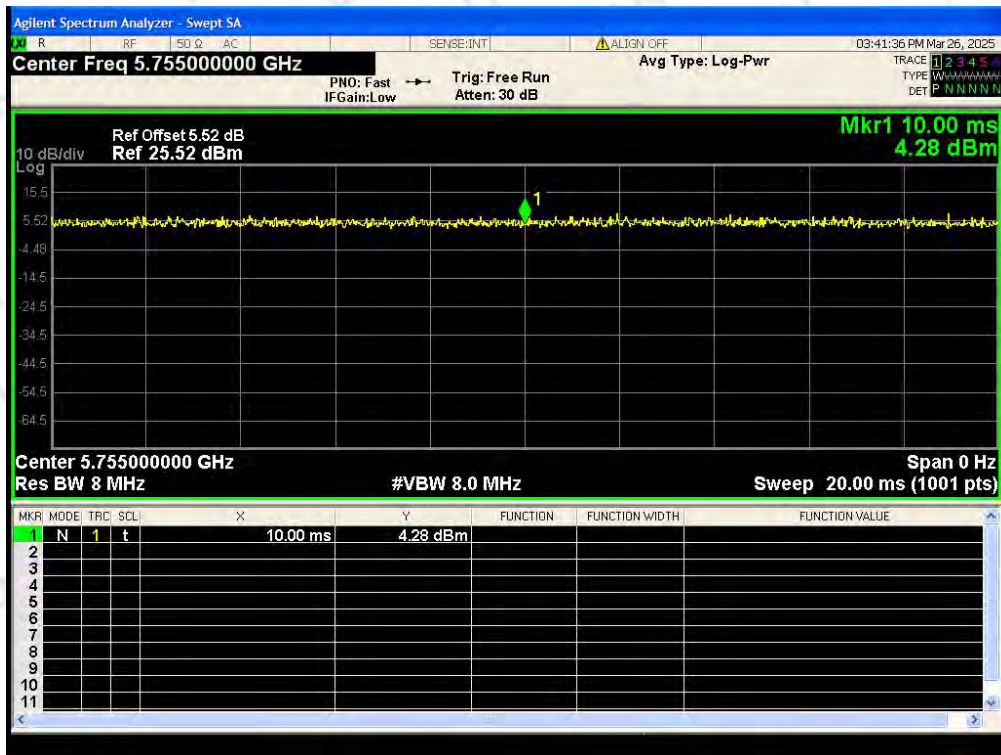
Duty Cycle NVNT 802.11ac20 5785MHz



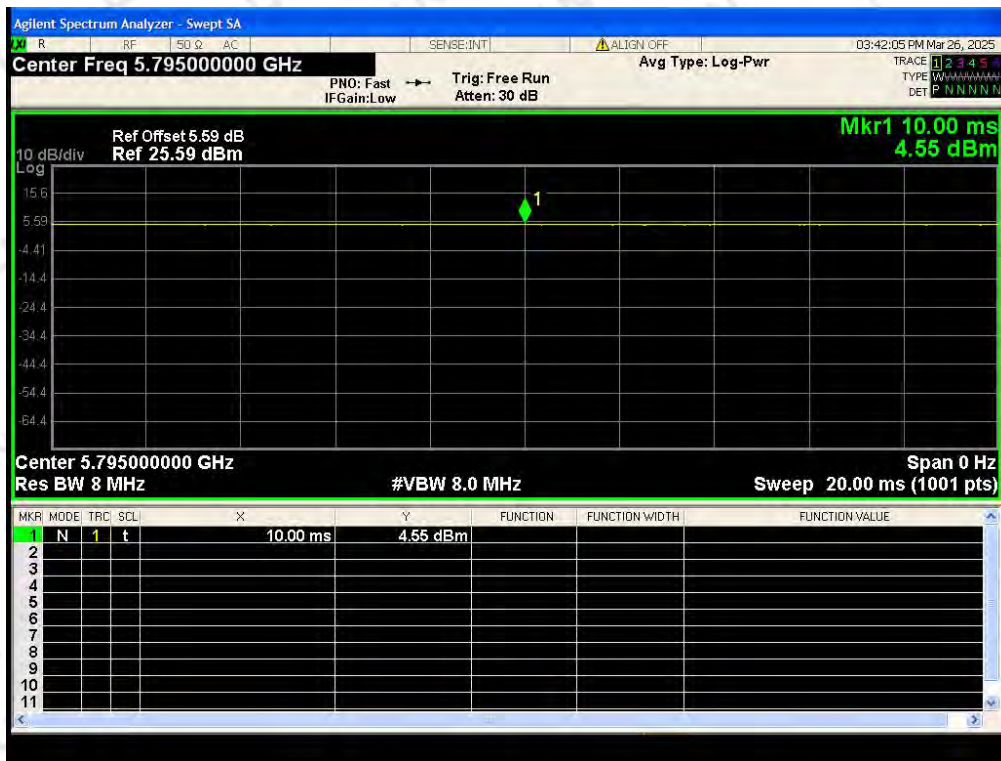
Duty Cycle NVNT 802.11ac20 5825MHz



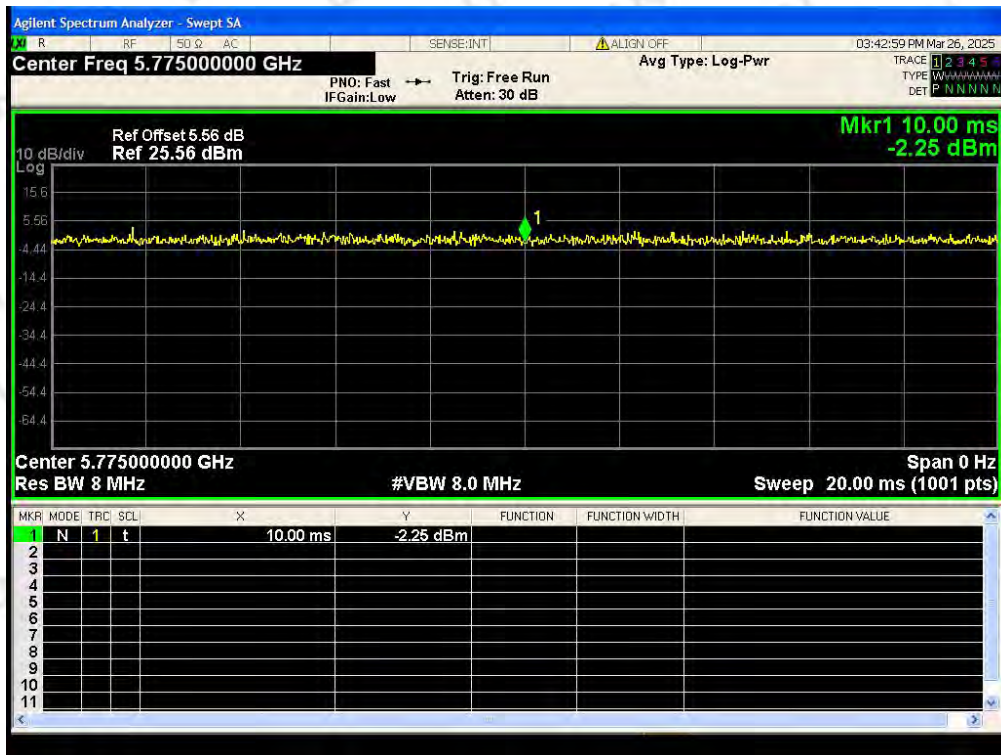
Duty Cycle NVNT 802.11ac40 5755MHz



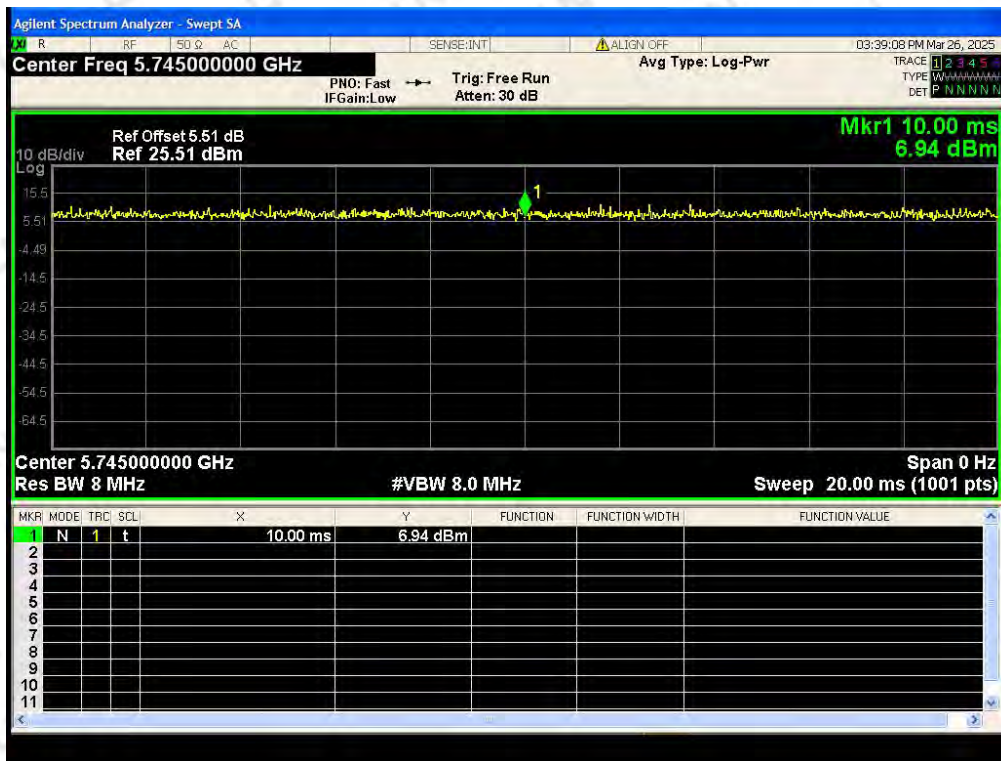
Duty Cycle NVNT 802.11ac40 5795MHz



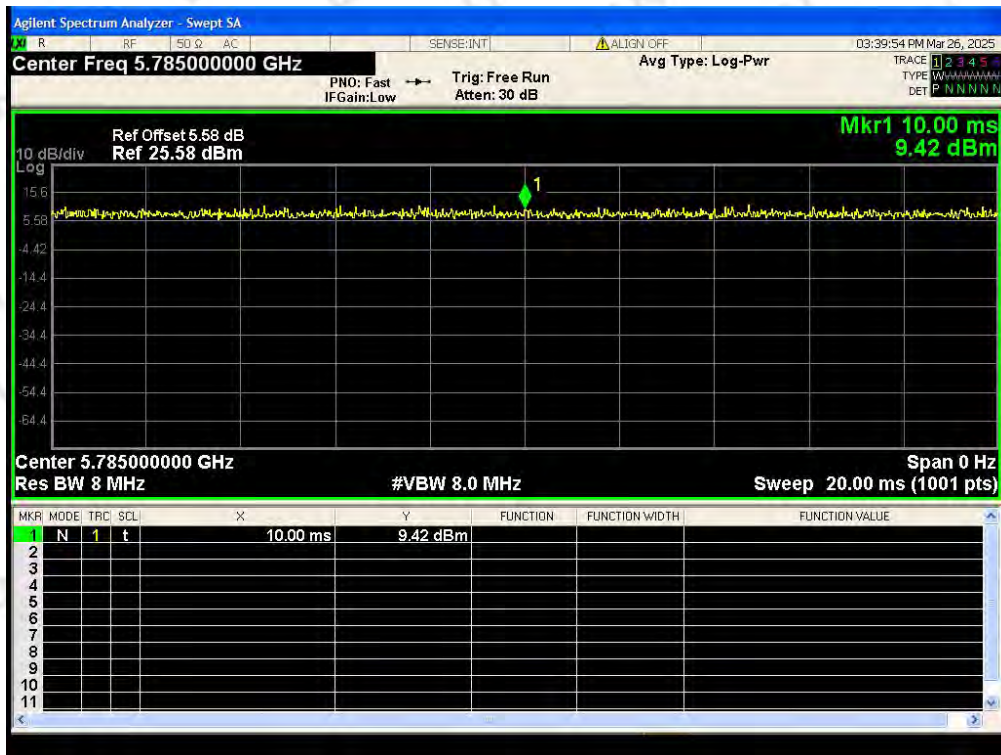
Duty Cycle NVNT 802.11ac80 5775MHz



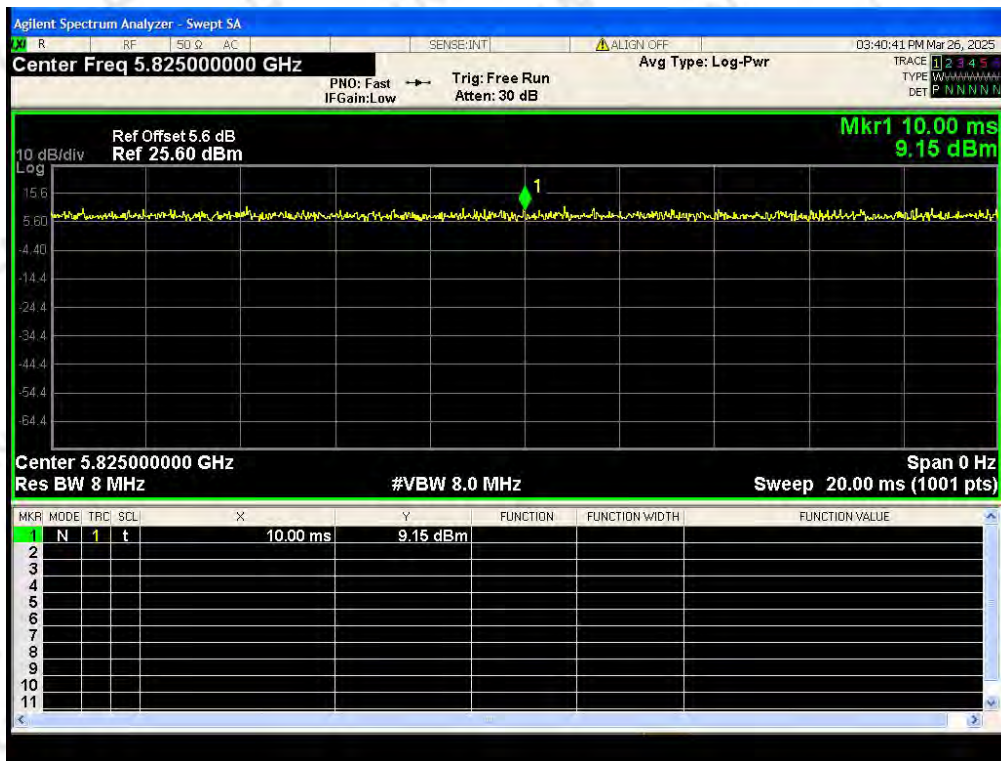
Duty Cycle NVNT 802.11n(HT20) 5745MHz



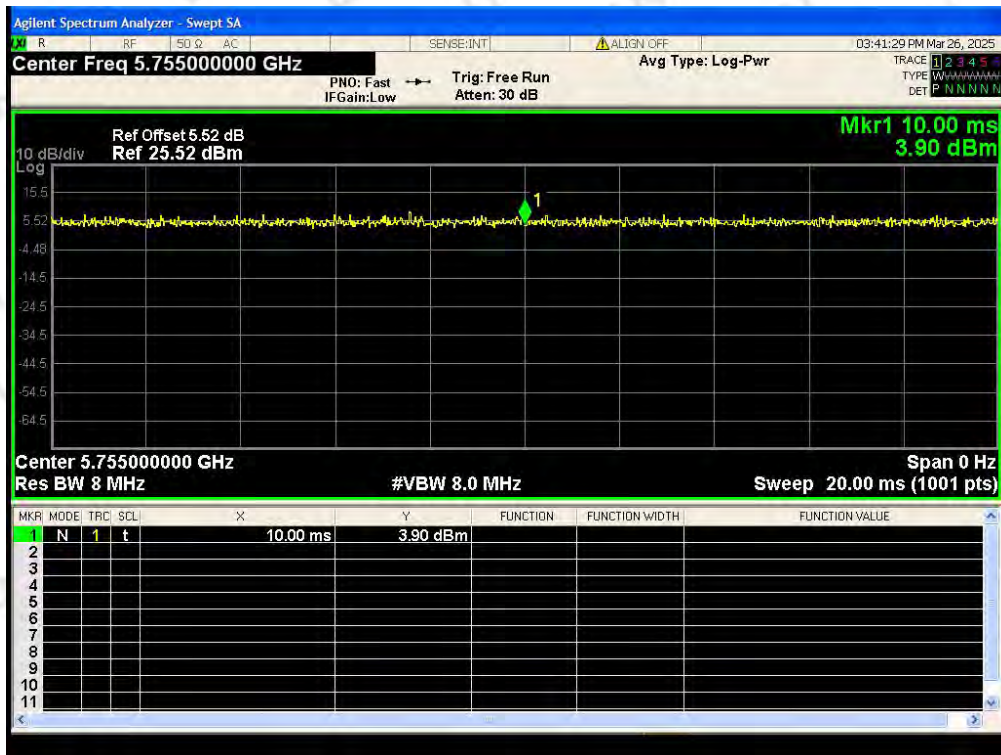
Duty Cycle NVNT 802.11n(HT20) 5785MHz



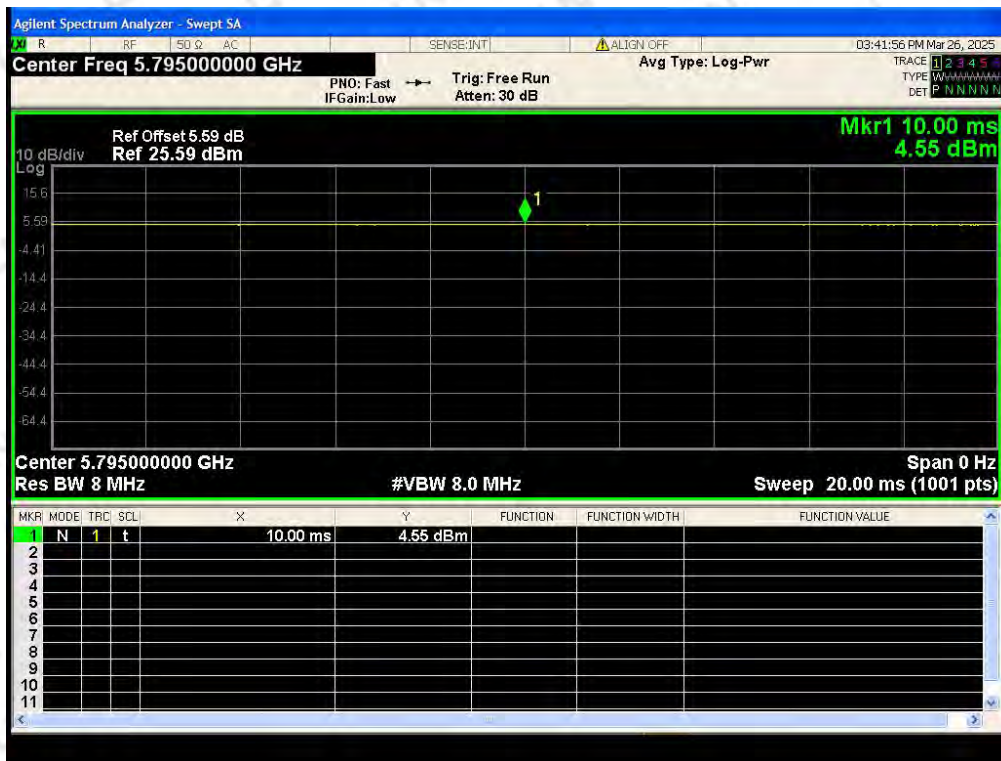
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



Duty Cycle NVNT 802.11n(HT40) 5795MHz



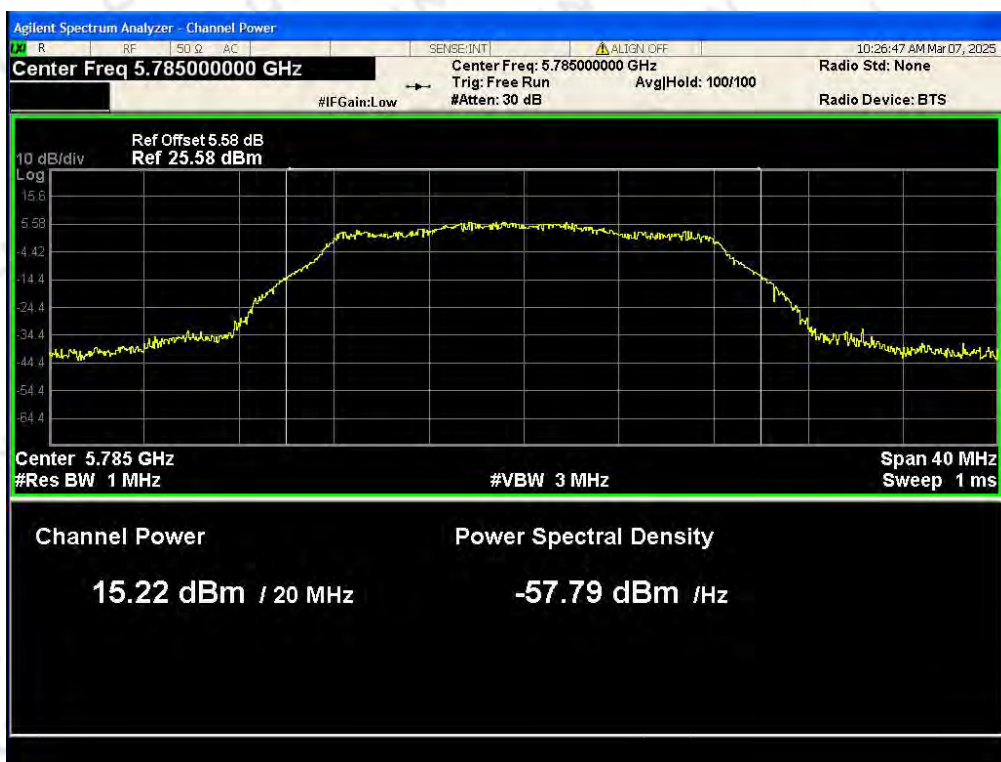
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 2	15.52	0	15.52	30	Pass
NVNT	802.11a	5785	Ant 2	15.22	0	15.22	30	Pass
NVNT	802.11a	5825	Ant 2	14.51	0	14.51	30	Pass
NVNT	802.11ac20	5745	Ant 2	15.11	0	15.11	30	Pass
NVNT	802.11ac20	5785	Ant 2	14.87	0	14.87	30	Pass
NVNT	802.11ac20	5825	Ant 2	14.51	0	14.51	30	Pass
NVNT	802.11ac40	5755	Ant 2	15.39	0	15.39	30	Pass
NVNT	802.11ac40	5795	Ant 2	14.71	0	14.71	30	Pass
NVNT	802.11ac80	5775	Ant 2	15.25	0	15.25	30	Pass
NVNT	802.11n(HT20)	5745	Ant 2	15.09	0	15.09	30	Pass
NVNT	802.11n(HT20)	5785	Ant 2	14.94	0	14.94	30	Pass
NVNT	802.11n(HT20)	5825	Ant 2	13.98	0	13.98	30	Pass
NVNT	802.11n(HT40)	5755	Ant 2	15.32	0	15.32	30	Pass
NVNT	802.11n(HT40)	5795	Ant 2	14.71	0	14.71	30	Pass

Power NVNT 802.11a 5745MHz Ant2



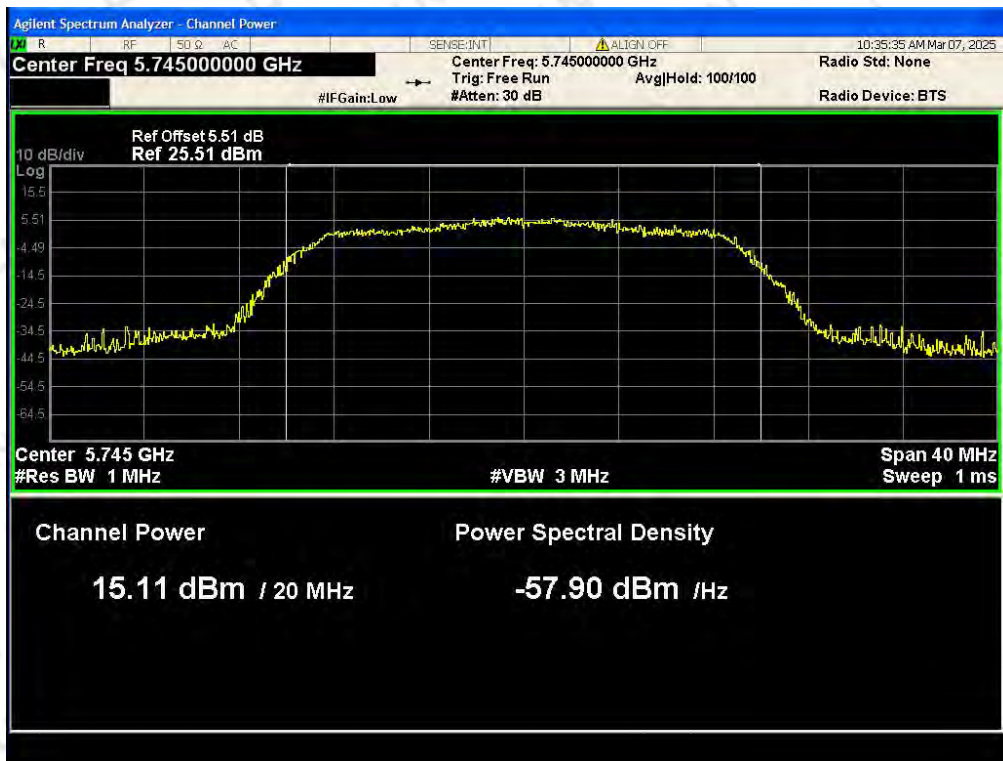
Power NVNT 802.11a 5785MHz Ant2



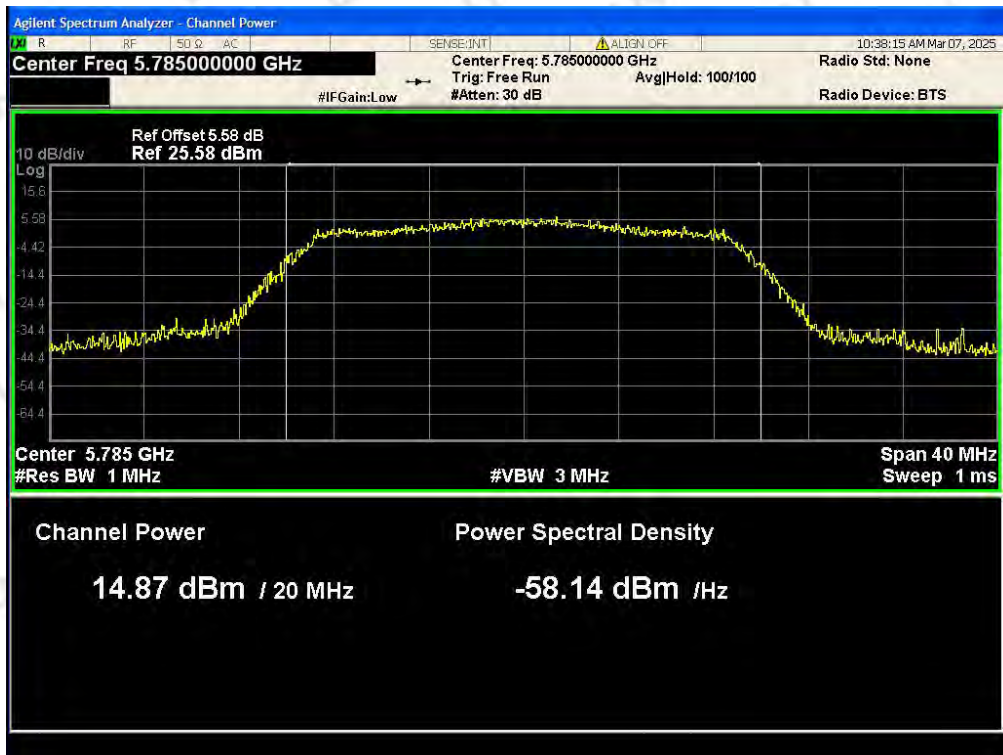
Power NVNT 802.11a 5825MHz Ant2



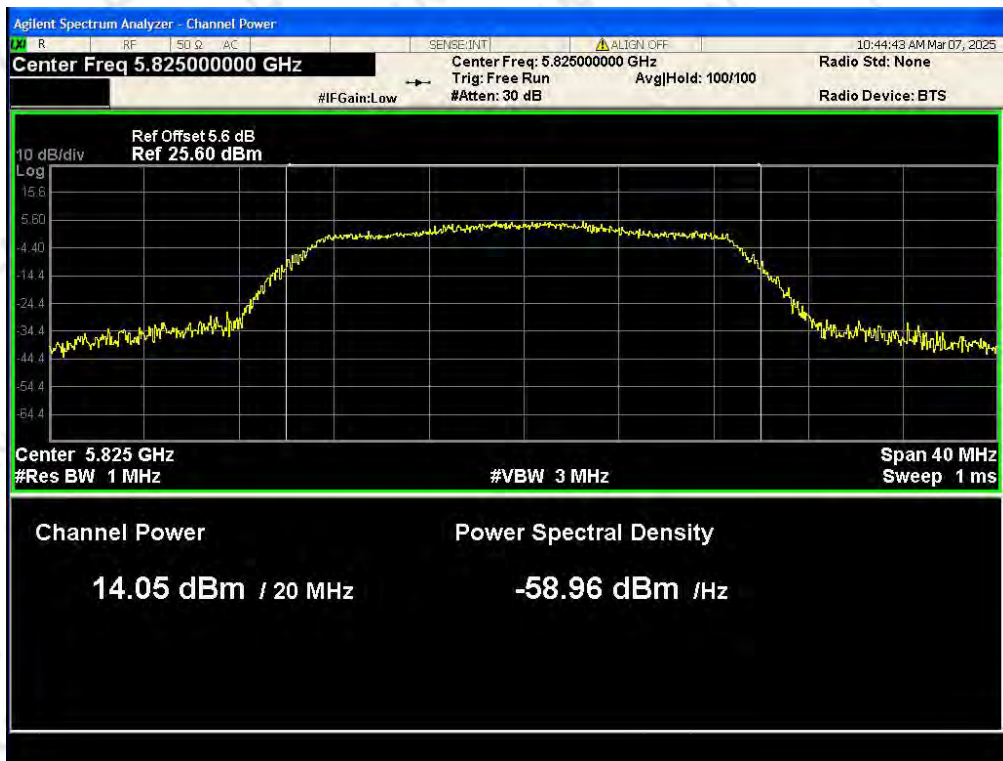
Power NVNT 802.11ac20 5745MHz Ant2



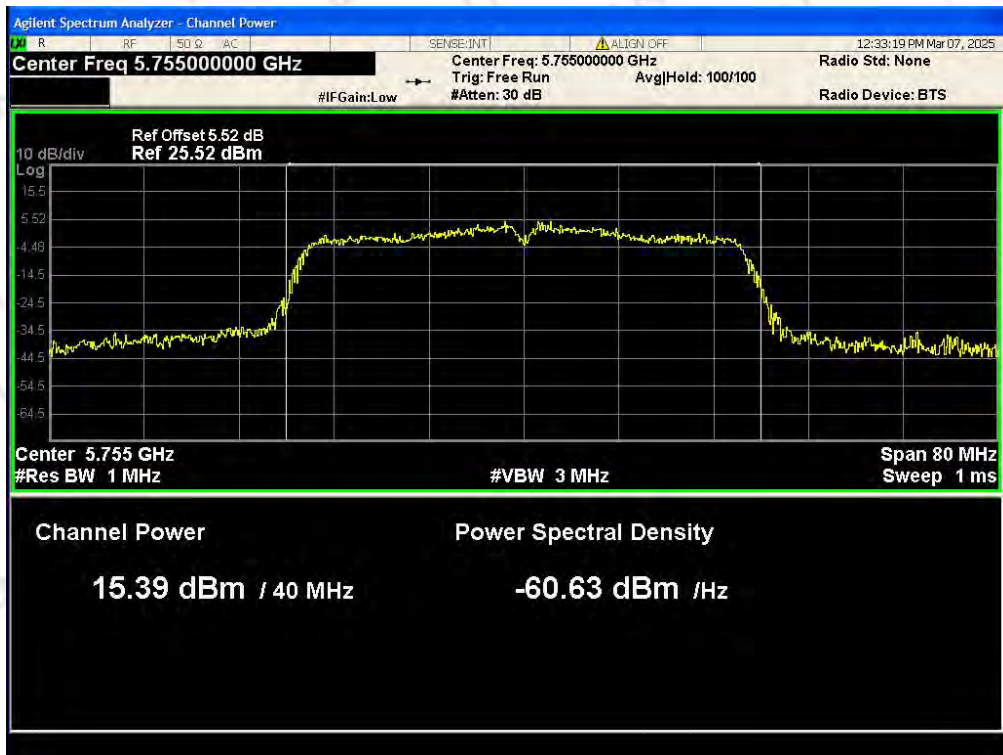
Power NVNT 802.11ac20 5785MHz Ant2



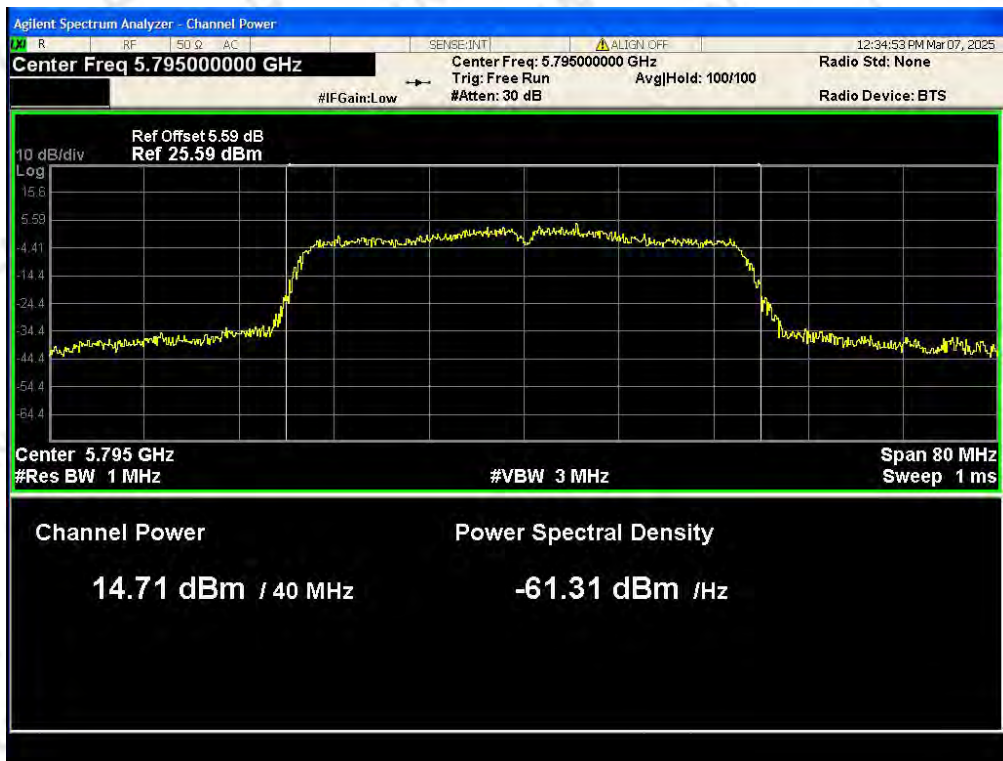
Power NVNT 802.11ac20 5825MHz Ant2



Power NVNT 802.11ac40 5755MHz Ant2



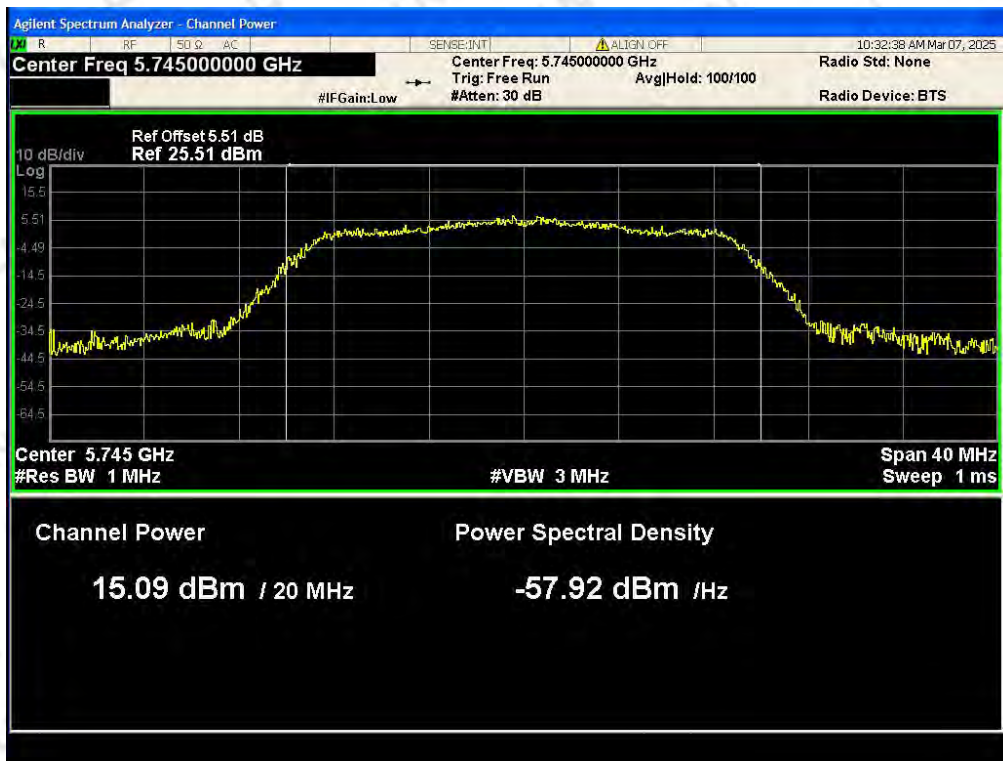
Power NVNT 802.11ac40 5795MHz Ant2



Power NVNT 802.11ac80 5775MHz Ant2



Power NVNT 802.11n(HT20) 5745MHz Ant2



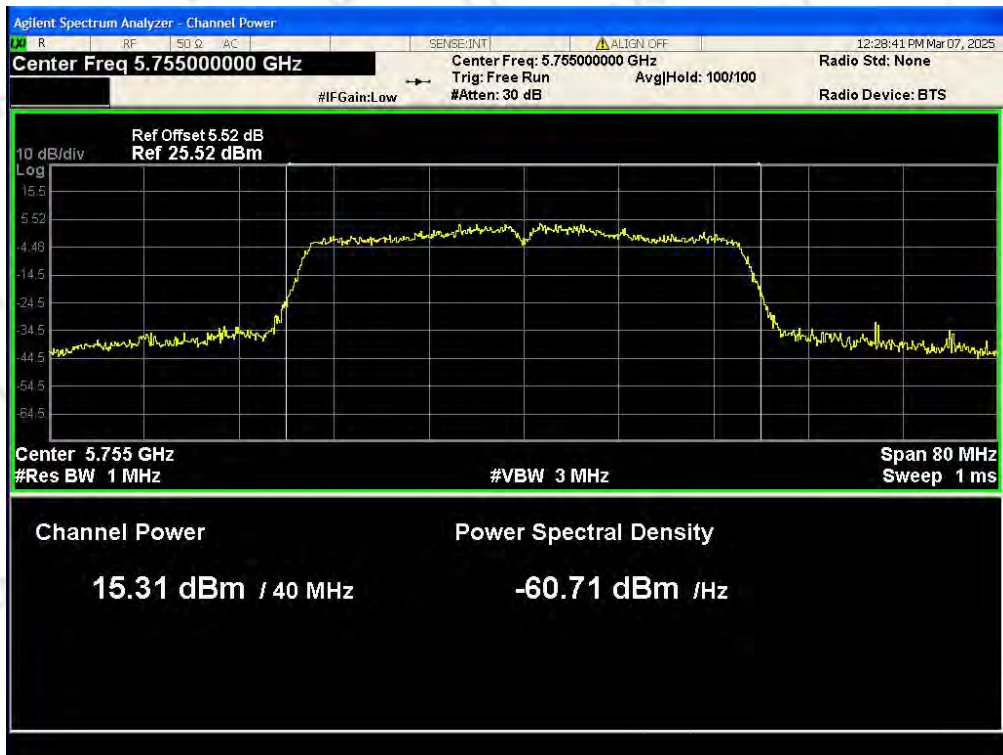
Power NVNT 802.11n(HT20) 5785MHz Ant2



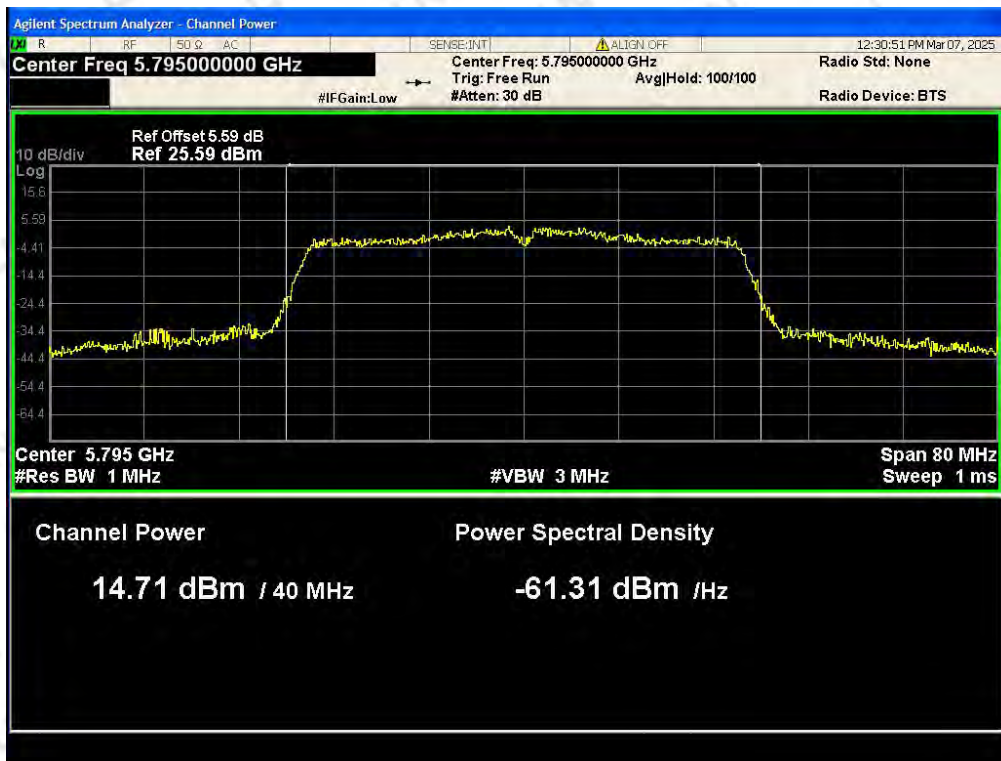
Power NVNT 802.11n(HT20) 5825MHz Ant2



Power NVNT 802.11n(HT40) 5755MHz Ant2



Power NVNT 802.11n(HT40) 5795MHz Ant2



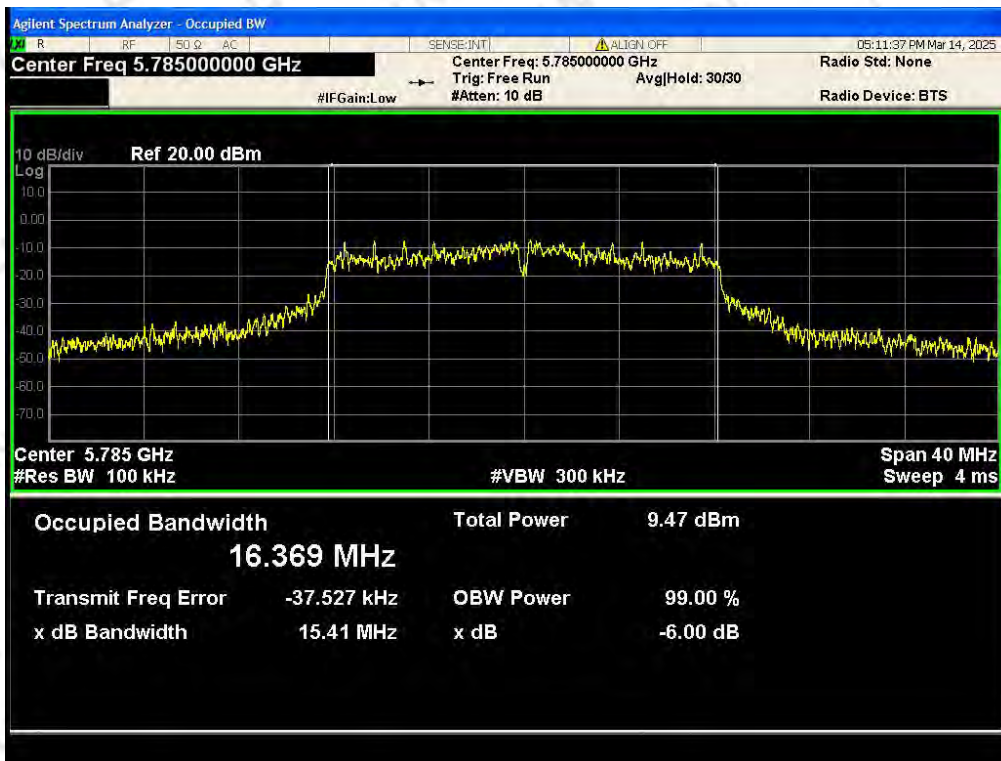
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 2	16.340	15.66	0.5	Pass
NVNT	802.11a	5785	Ant 2	16.369	16.41	0.5	Pass
NVNT	802.11a	5825	Ant 2	16.370	15.74	0.5	Pass
NVNT	802.11ac20	5745	Ant 2	17.584	16.32	0.5	Pass
NVNT	802.11ac20	5785	Ant 2	17.560	16.70	0.5	Pass
NVNT	802.11ac20	5825	Ant 2	17.572	15.16	0.5	Pass
NVNT	802.11ac40	5755	Ant 2	36.029	35.41	0.5	Pass
NVNT	802.11ac40	5795	Ant 2	36.080	35.96	0.5	Pass
NVNT	802.11ac80	5775	Ant 2	75.116	75.12	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 2	17.586	15.38	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 2	17.565	16.35	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 2	17.608	17.00	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 2	35.901	35.18	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 2	36.060	35.69	0.5	Pass

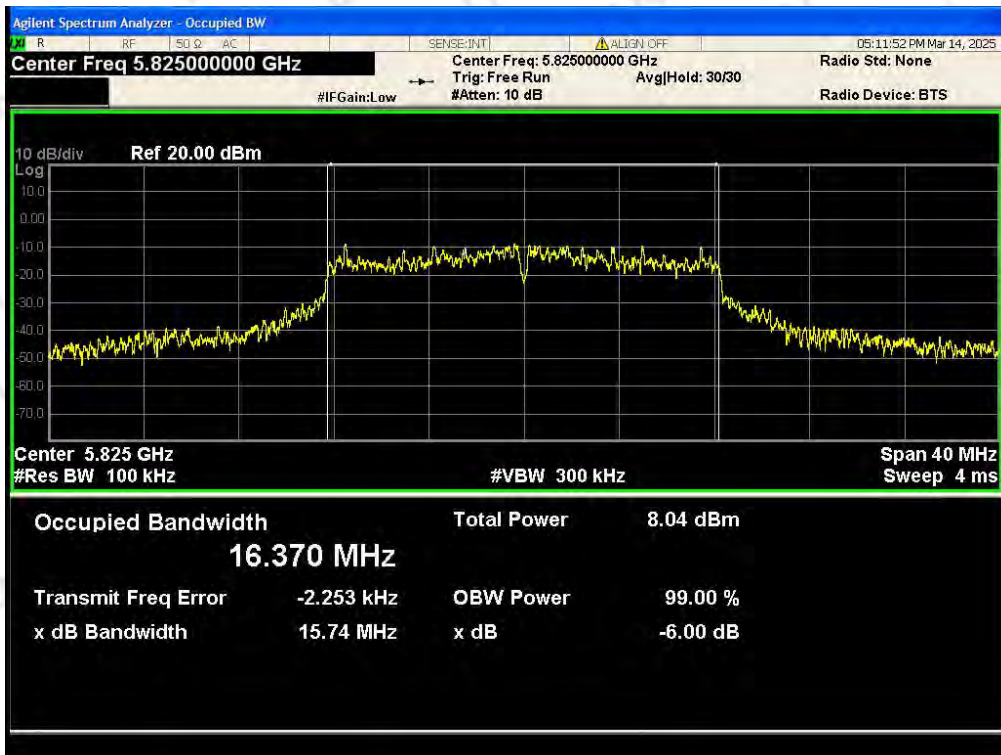
OBW NVNT 802.11a 5745MHz Ant2



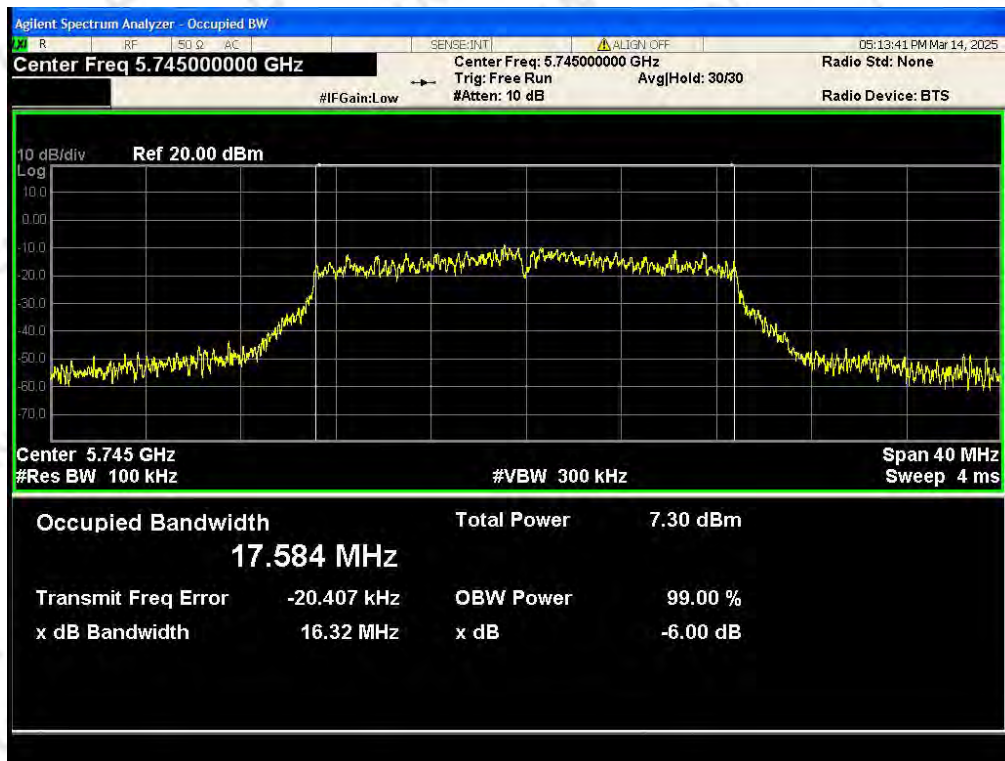
OBW NVNT 802.11a 5785MHz Ant2



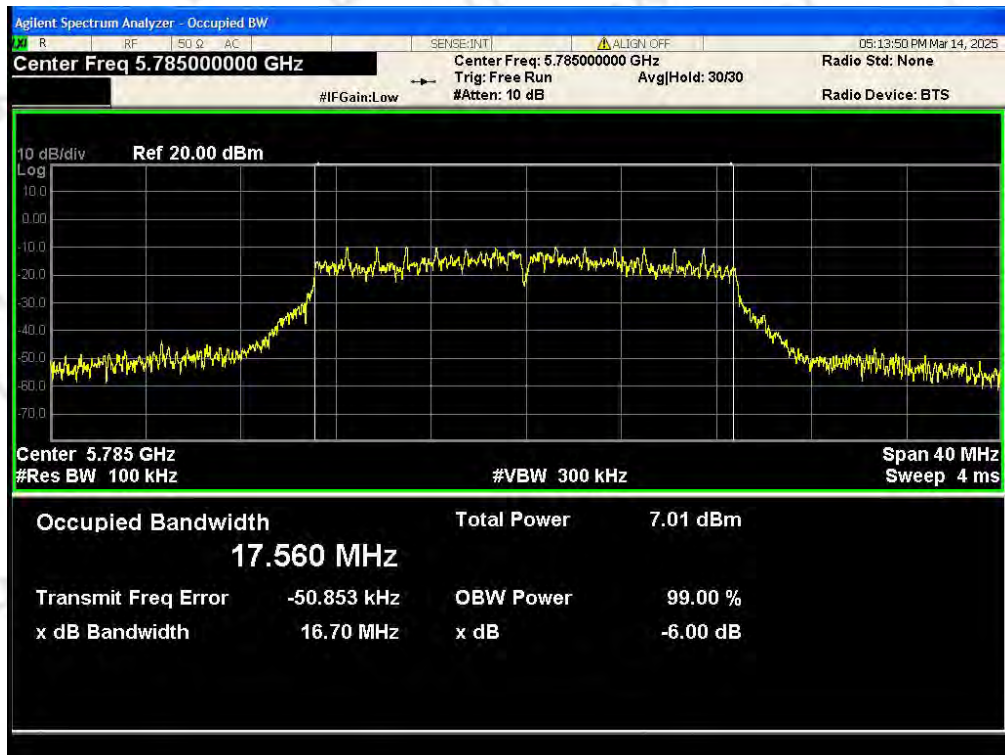
OBW NVNT 802.11a 5825MHz Ant2



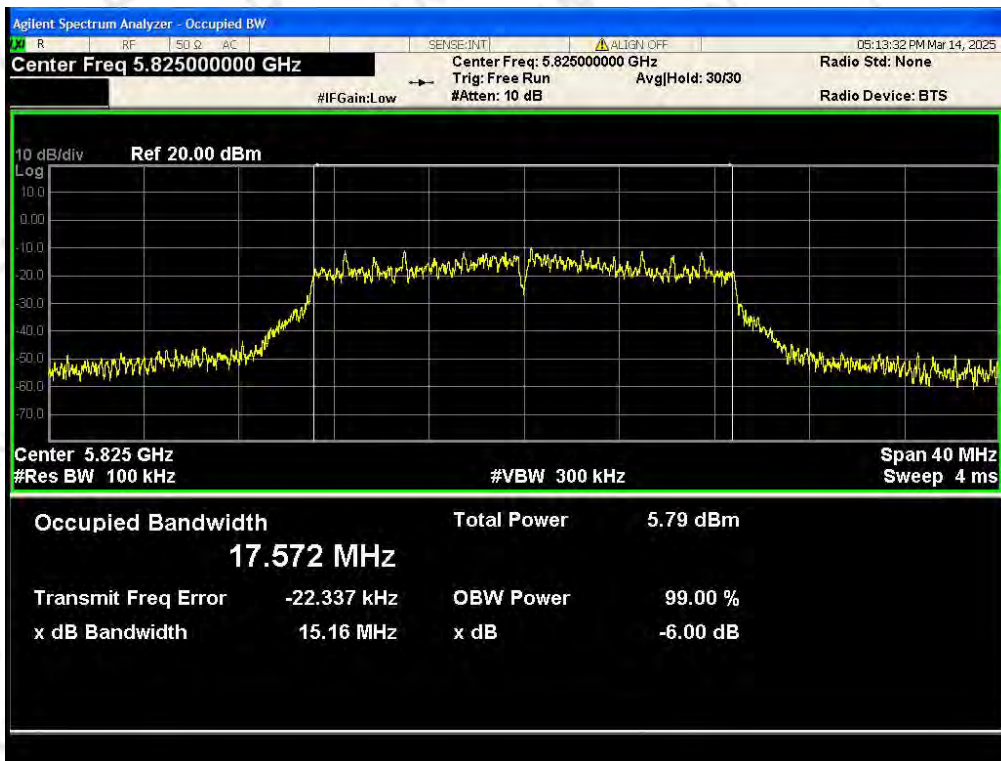
OBW NVNT 802.11ac20 5745MHz Ant2



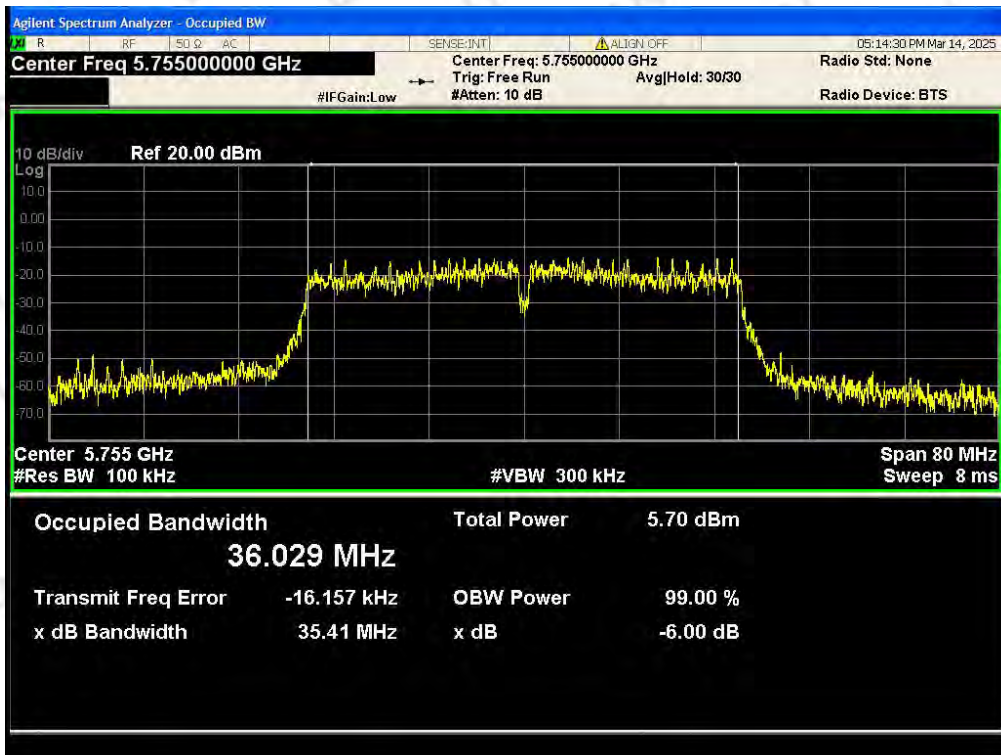
OBW NVNT 802.11ac20 5785MHz Ant2



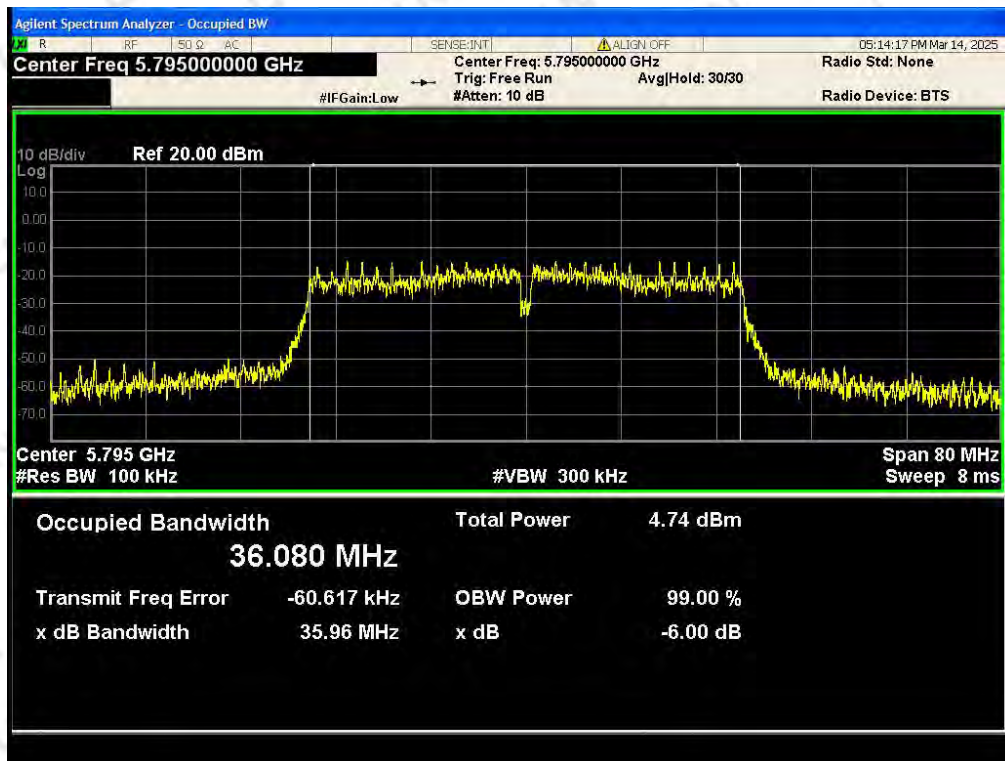
OBW NVNT 802.11ac20 5825MHz Ant2



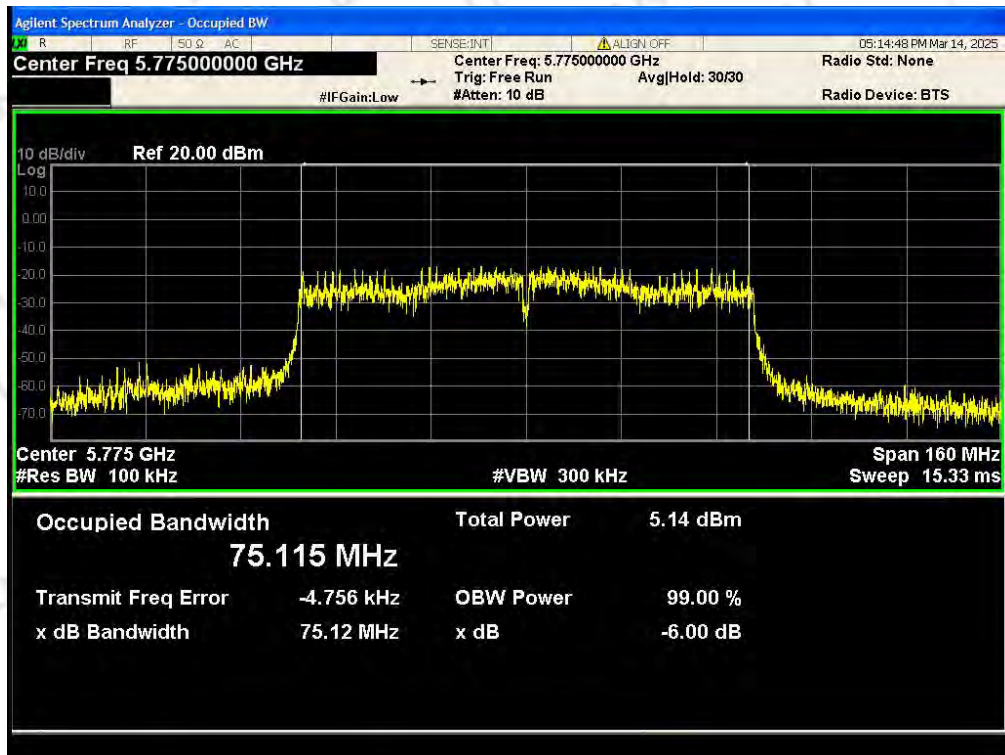
OBW NVNT 802.11ac40 5755MHz Ant2



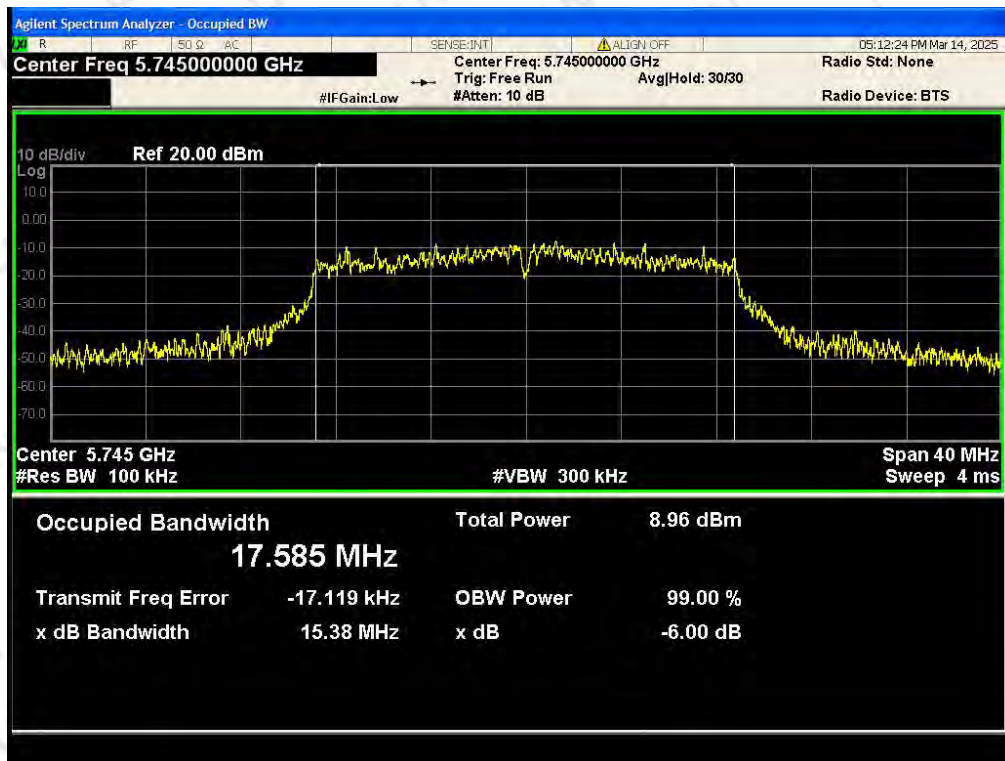
OBW NVNT 802.11ac40 5795MHz Ant2



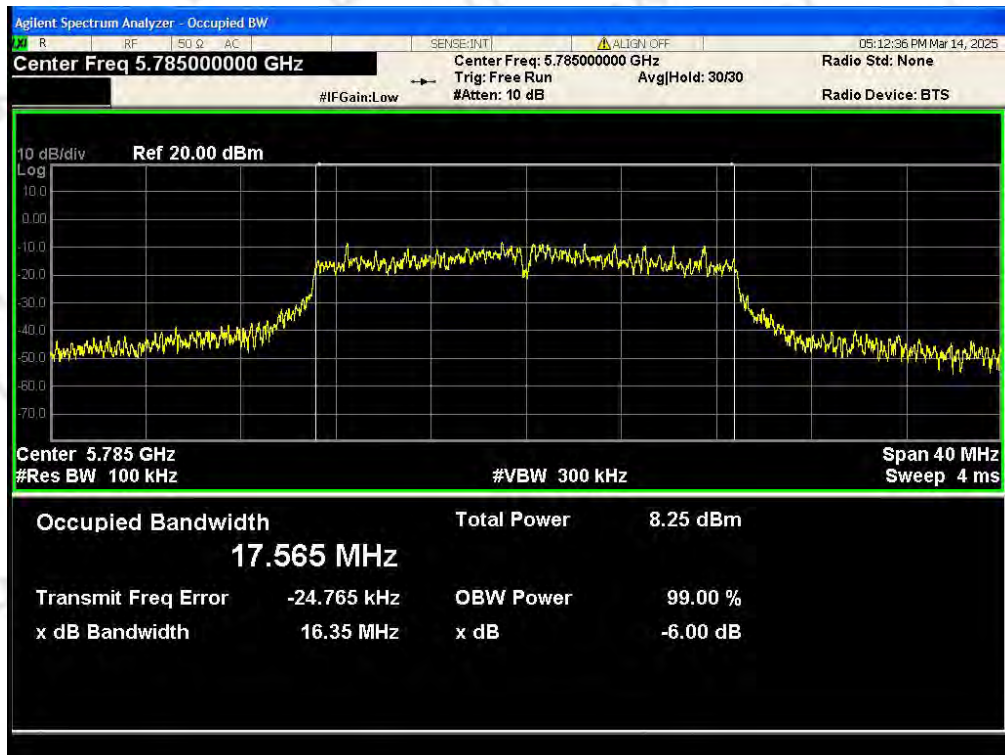
OBW NVNT 802.11ac80 5775MHz Ant2



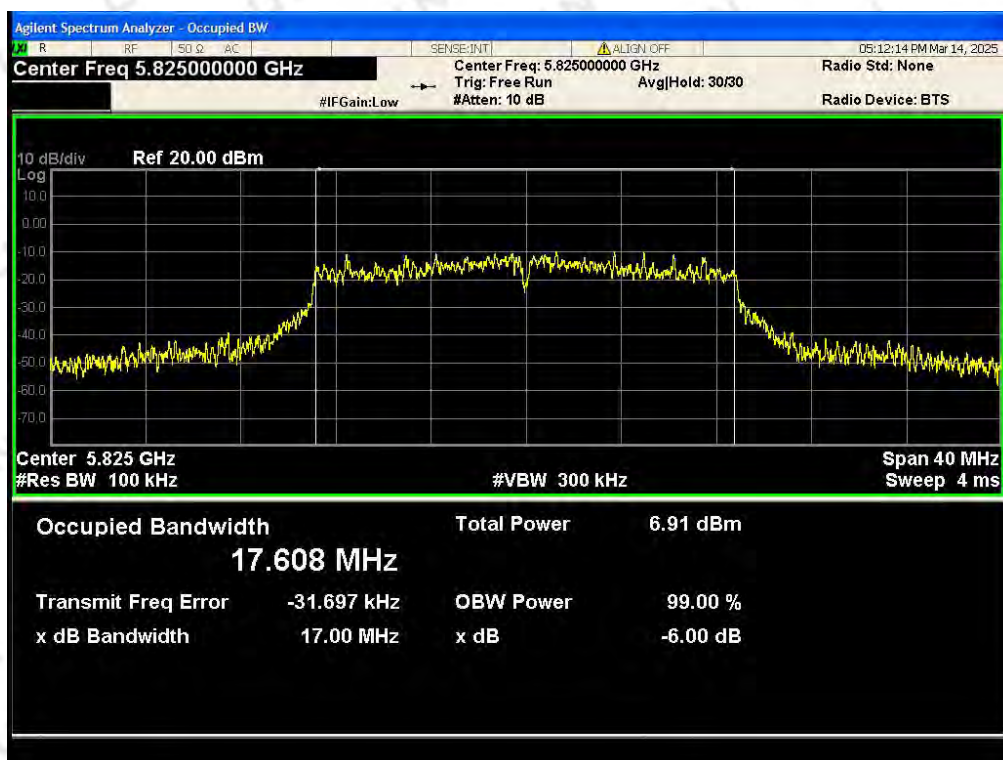
OBW NVNT 802.11n(HT20) 5745MHz Ant2



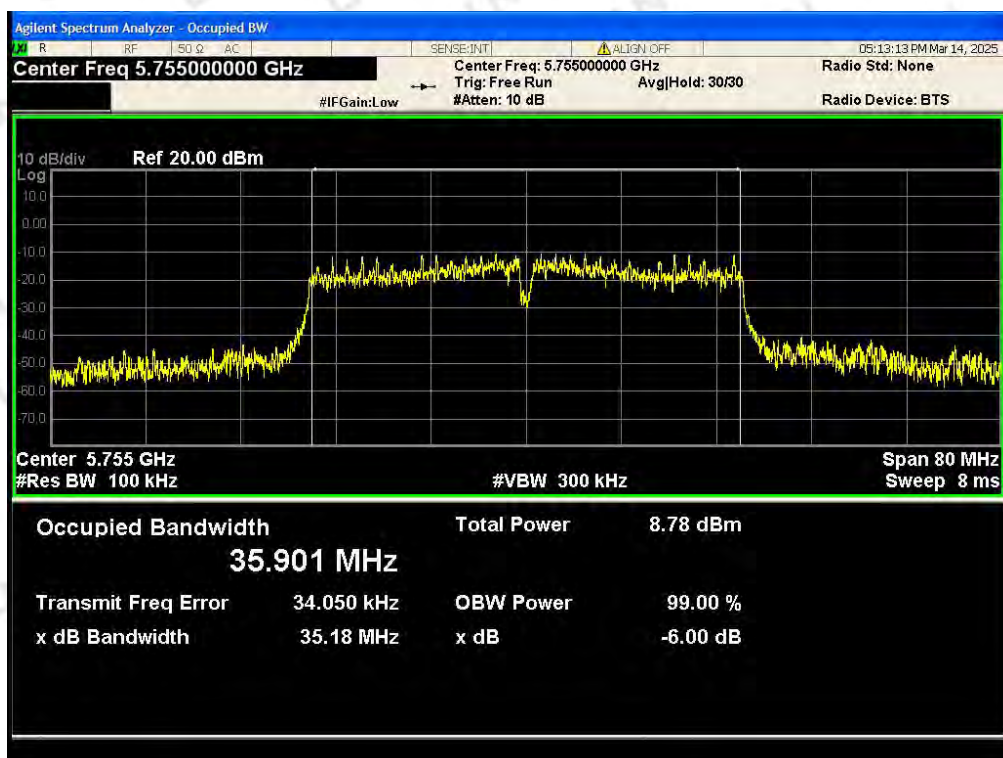
OBW NVNT 802.11n(HT20) 5785MHz Ant2



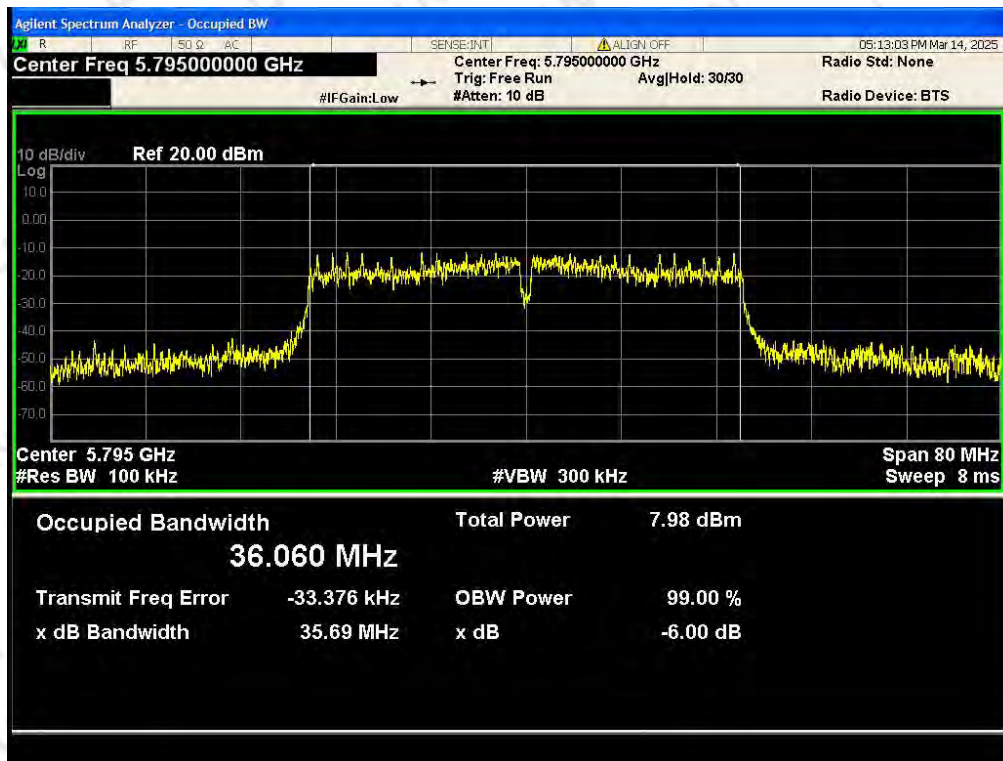
OBW NVNT 802.11n(HT20) 5825MHz Ant2



OBW NVNT 802.11n(HT40) 5755MHz Ant2



OBW NVNT 802.11n(HT40) 5795MHz Ant2



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	3.696	0	3.696	30	Pass
NVNT	802.11a	5785	Ant 2	3.321	0	3.321	30	Pass
NVNT	802.11a	5825	Ant 2	2.613	0	2.613	30	Pass
NVNT	802.11ac20	5745	Ant 2	3.565	0	3.565	30	Pass
NVNT	802.11ac20	5785	Ant 2	3.635	0	3.635	30	Pass
NVNT	802.11ac20	5825	Ant 2	2.436	0	2.436	30	Pass
NVNT	802.11ac40	5755	Ant 2	0.732	0	0.732	30	Pass
NVNT	802.11ac40	5795	Ant 2	-0.462	0	-0.462	30	Pass
NVNT	802.11ac80	5775	Ant 2	-1.602	0	-1.602	30	Pass
NVNT	802.11n(HT20)	5745	Ant 2	3.28	0	3.28	30	Pass
NVNT	802.11n(HT20)	5785	Ant 2	3.158	0	3.158	30	Pass
NVNT	802.11n(HT20)	5825	Ant 2	2.354	0	2.354	30	Pass
NVNT	802.11n(HT40)	5755	Ant 2	0.104	0	0.104	30	Pass
NVNT	802.11n(HT40)	5795	Ant 2	-0.129	0	-0.129	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



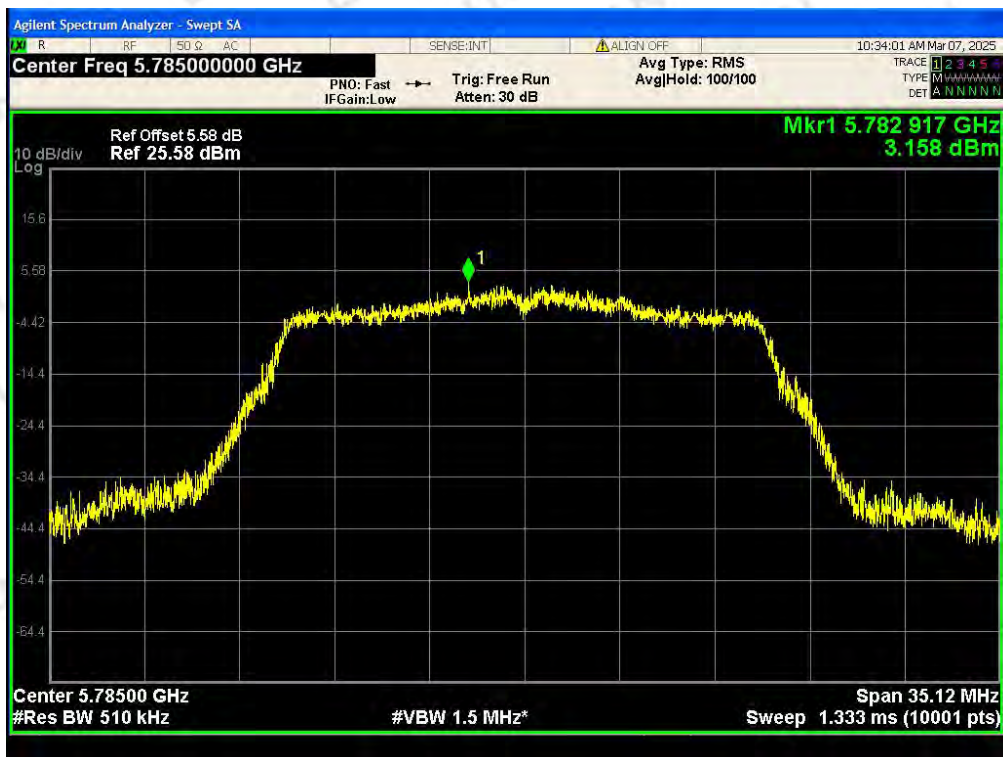
PSD NVNT 802.11ac80 5775MHz Ant2



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)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 2	-41.66		Pass
NVNT	802.11a	5825	Ant 2	-45.67		Pass
NVNT	802.11ac20	5745	Ant 2	-41.73		Pass
NVNT	802.11ac20	5825	Ant 2	-40.11		Pass
NVNT	802.11ac40	5755	Ant 2	-39.25		Pass
NVNT	802.11ac40	5795	Ant 2	-45.56		Pass
NVNT	802.11ac80	5775	Ant 2	-39.38		Pass
NVNT	802.11n(HT20)	5745	Ant 2	-41.06		Pass
NVNT	802.11n(HT20)	5825	Ant 2	-46.2		Pass
NVNT	802.11n(HT40)	5755	Ant 2	-36.46		Pass
NVNT	802.11n(HT40)	5795	Ant 2	-41.61		Pass

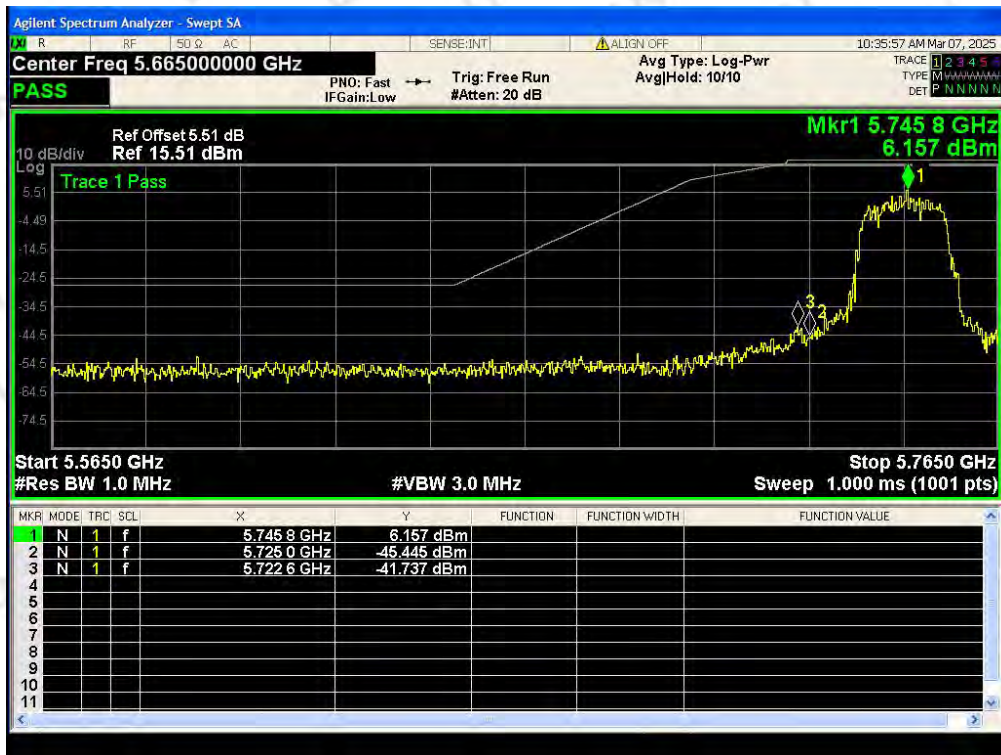
Band Edge NVNT 802.11a 5745MHz Ant2



Band Edge NVNT 802.11a 5825MHz Ant2



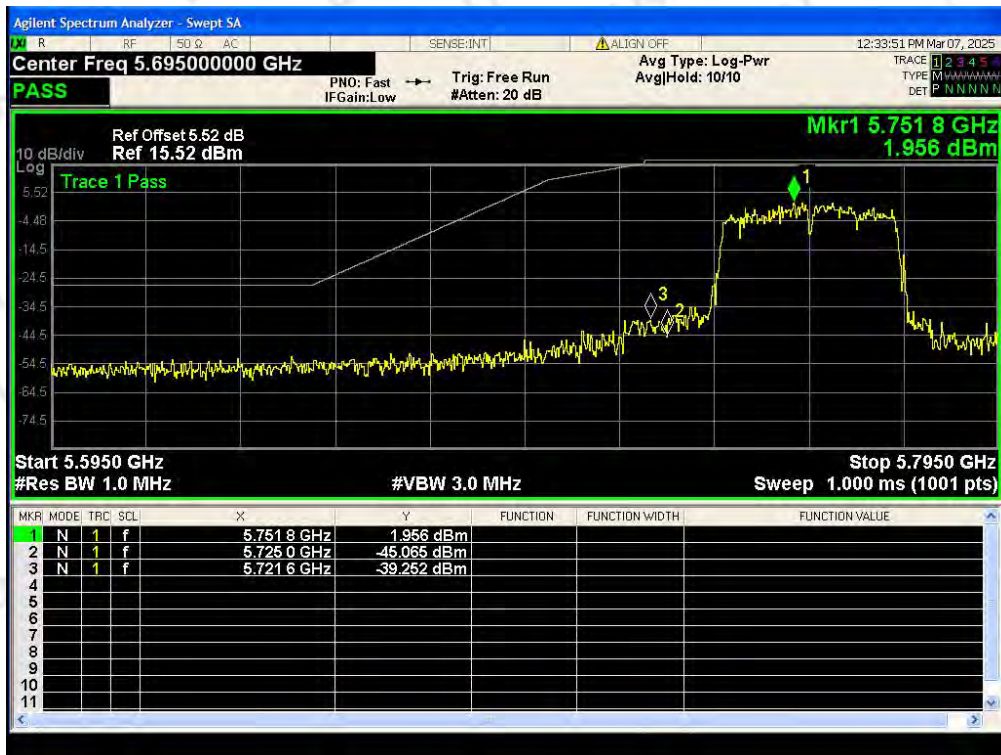
Band Edge NVNT 802.11ac20 5745MHz Ant2



Band Edge NVNT 802.11ac20 5825MHz Ant2



Band Edge NVNT 802.11ac40 5755MHz Ant2



Band Edge NVNT 802.11ac40 5795MHz Ant2



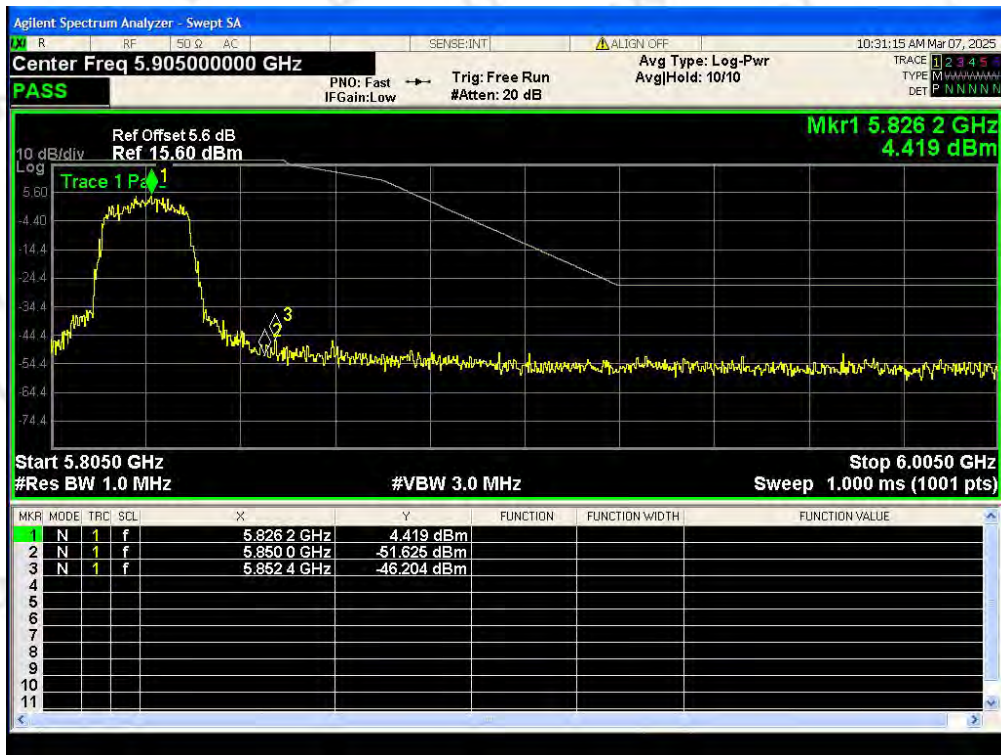
Band Edge NVNT 802.11ac80 5775MHz Ant2



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



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



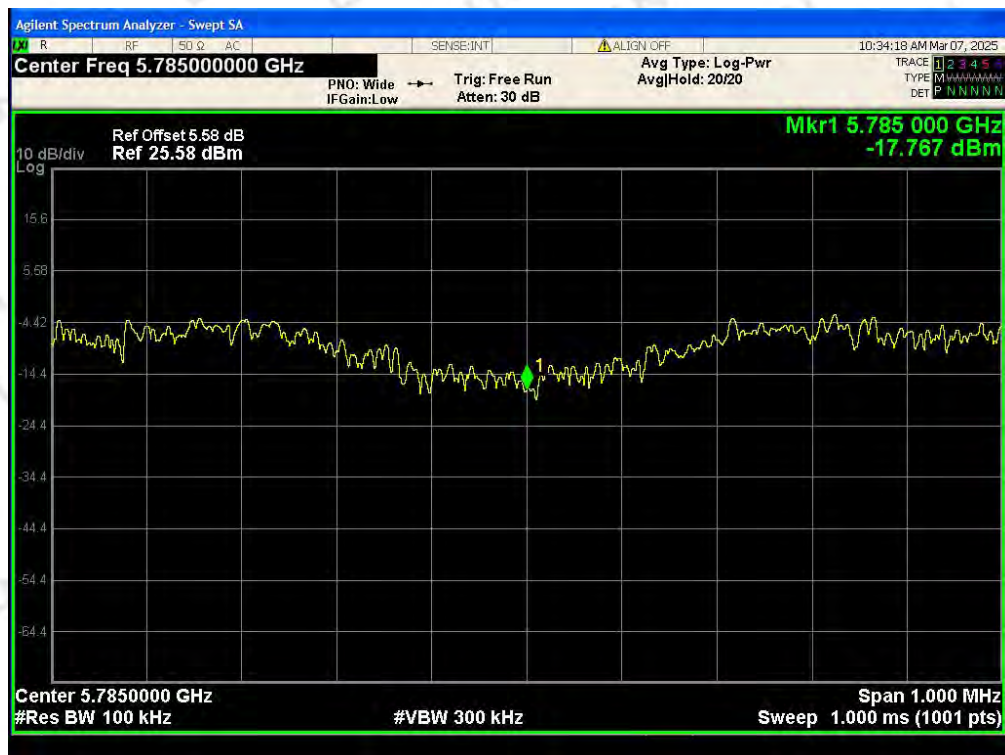
Freq. Stability NVNT 802.11ac80 5775MHz



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



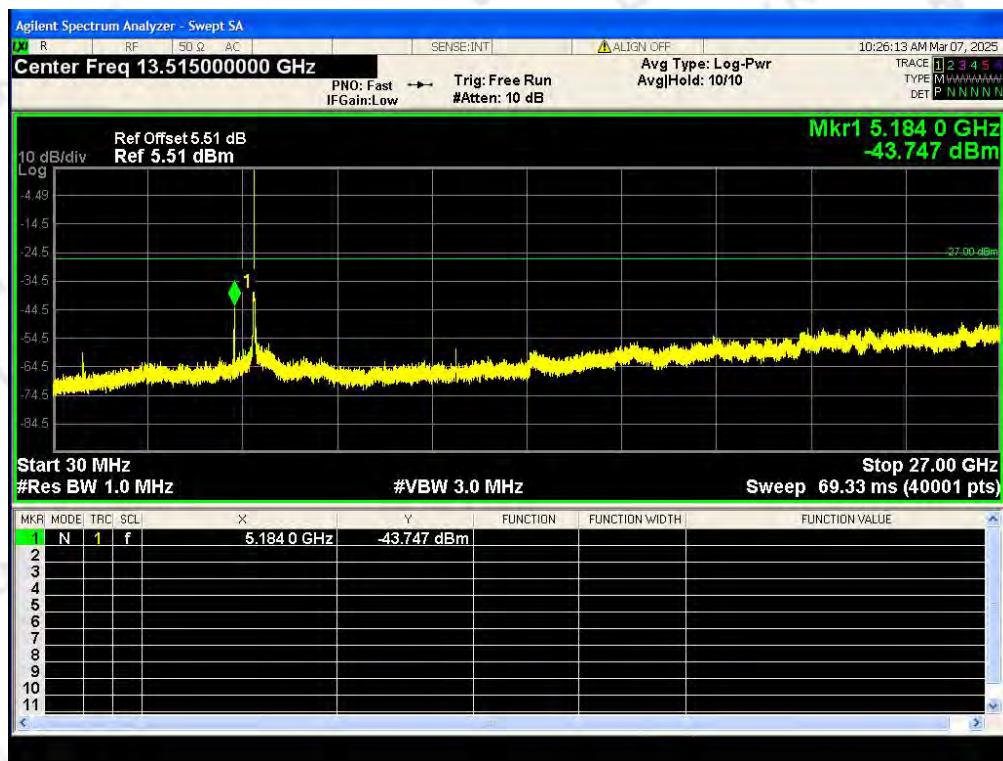
Freq. Stability NVNT 802.11n(HT40) 5795MHz



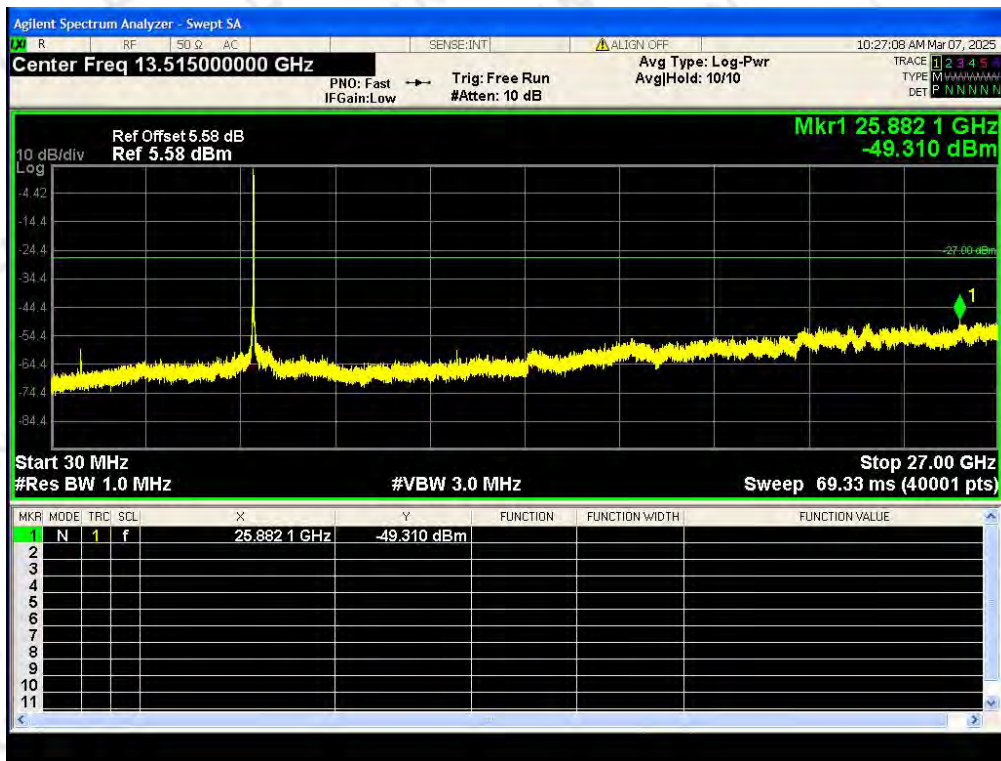
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 2	-43.74	-27	Pass
NVNT	802.11a	5785	Ant 2	-49.3	-27	Pass
NVNT	802.11a	5825	Ant 2	-49.42	-27	Pass
NVNT	802.11ac20	5745	Ant 2	-49	-27	Pass
NVNT	802.11ac20	5785	Ant 2	-48.21	-27	Pass
NVNT	802.11ac20	5825	Ant 2	-48.79	-27	Pass
NVNT	802.11ac40	5755	Ant 2	-48.66	-27	Pass
NVNT	802.11ac40	5795	Ant 2	-48.95	-27	Pass
NVNT	802.11ac80	5775	Ant 2	-48.49	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 2	-49.1	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 2	-49.42	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 2	-48.72	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 2	-48.99	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 2	-49.3	-27	Pass

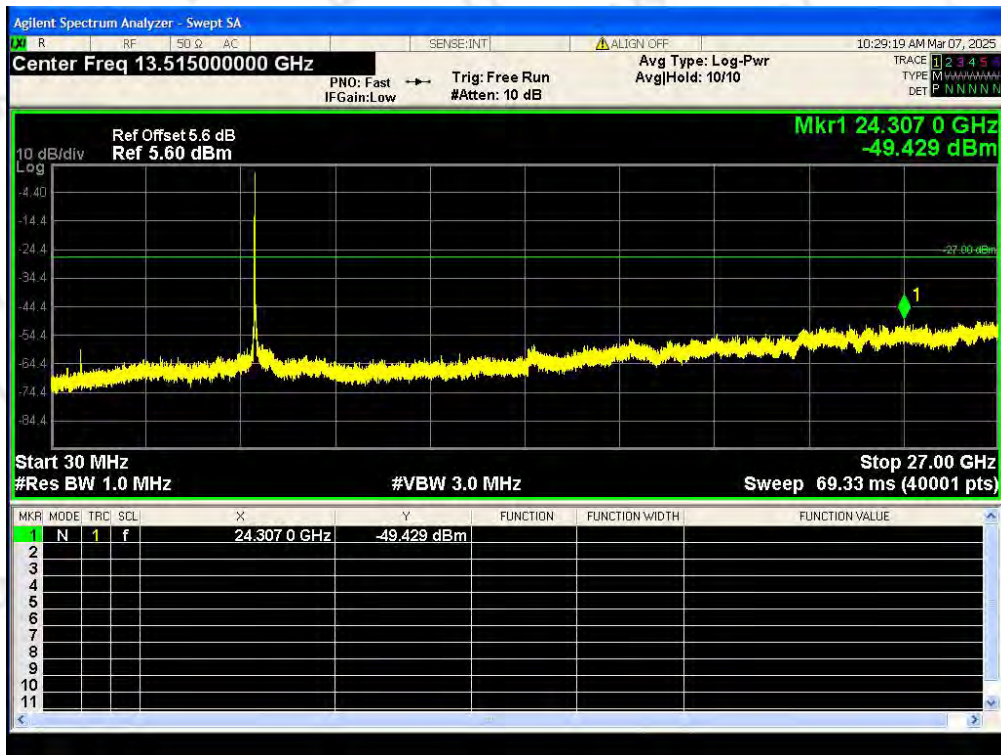
Tx. Spurious NVNT 802.11a 5745MHz Ant2 Emission



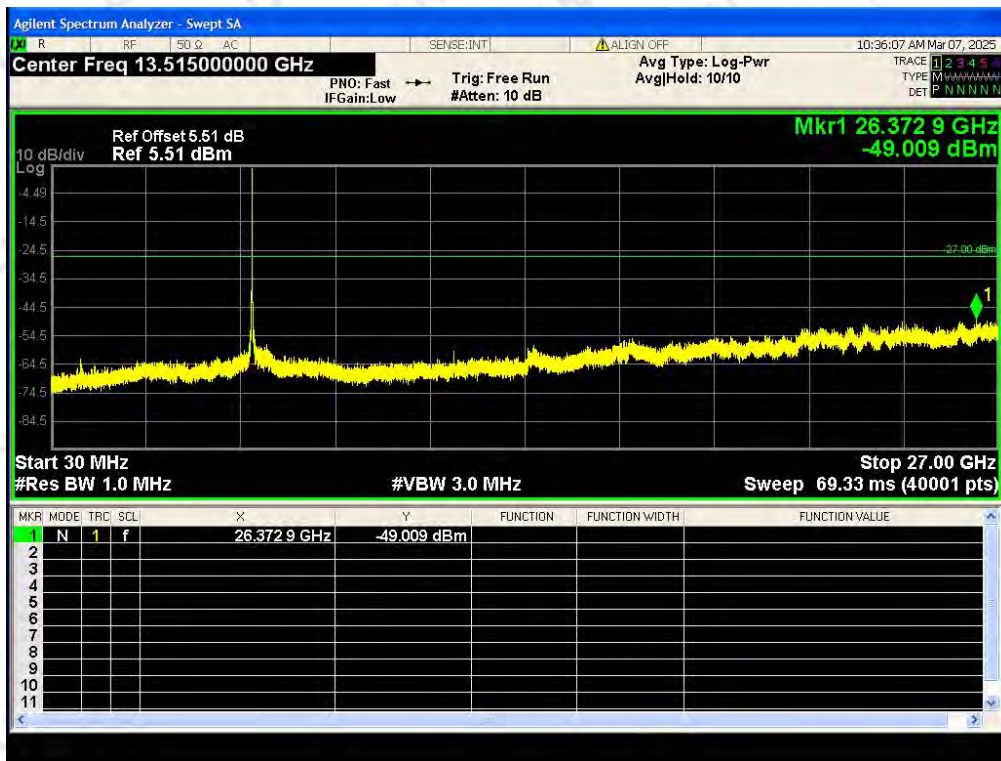
Tx. Spurious NVNT 802.11a 5785MHz Ant2 Emission



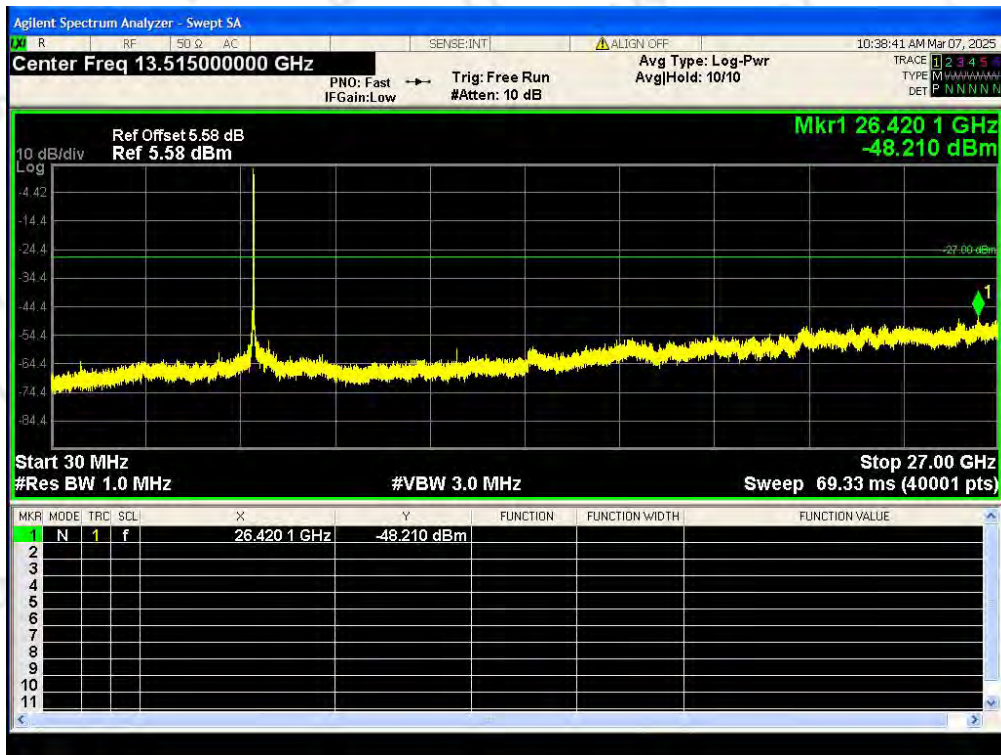
Tx. Spurious NVNT 802.11a 5825MHz Ant2 Emission



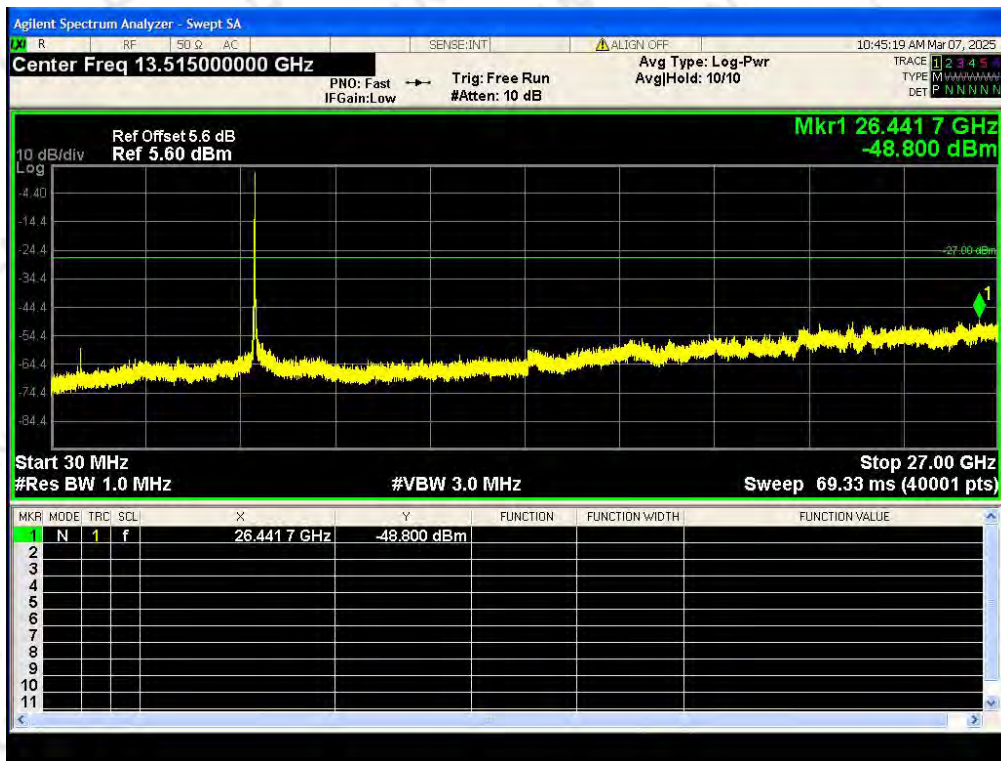
Tx. Spurious NVNT 802.11ac20 5745MHz Ant2 Emission



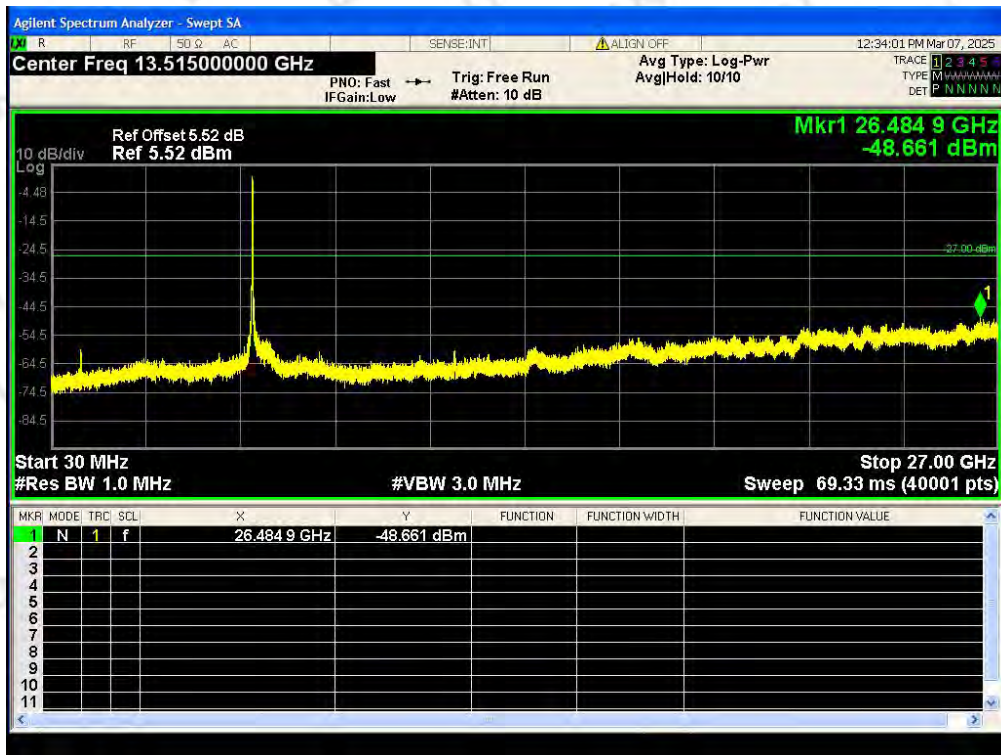
Tx. Spurious NVNT 802.11ac20 5785MHz Ant2 Emission



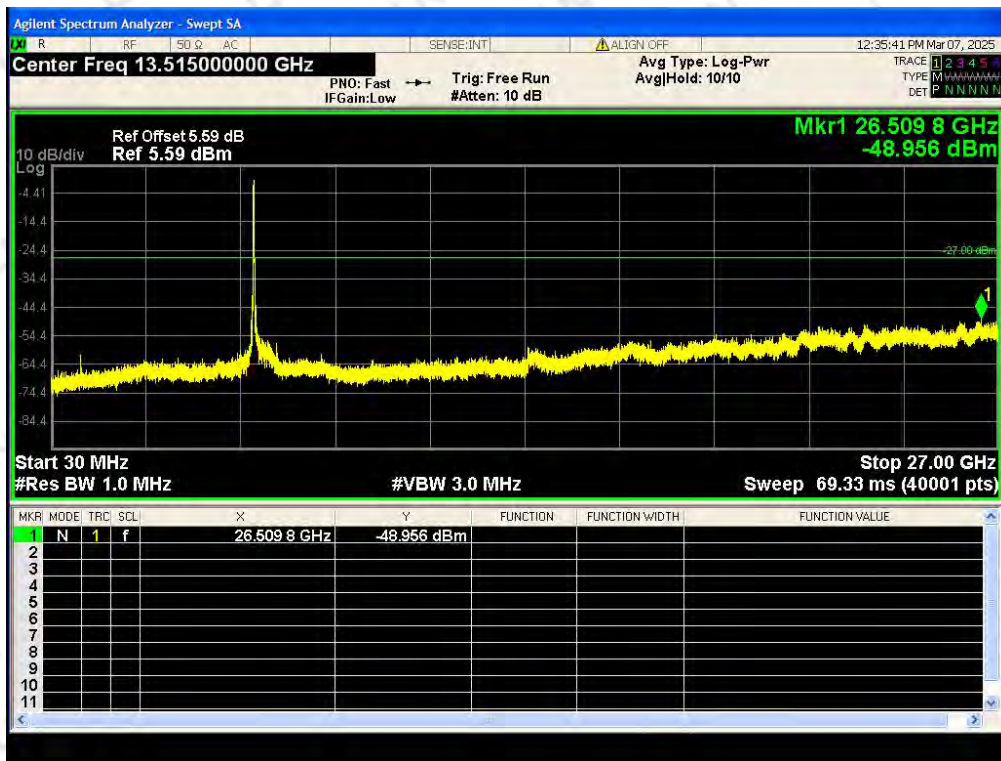
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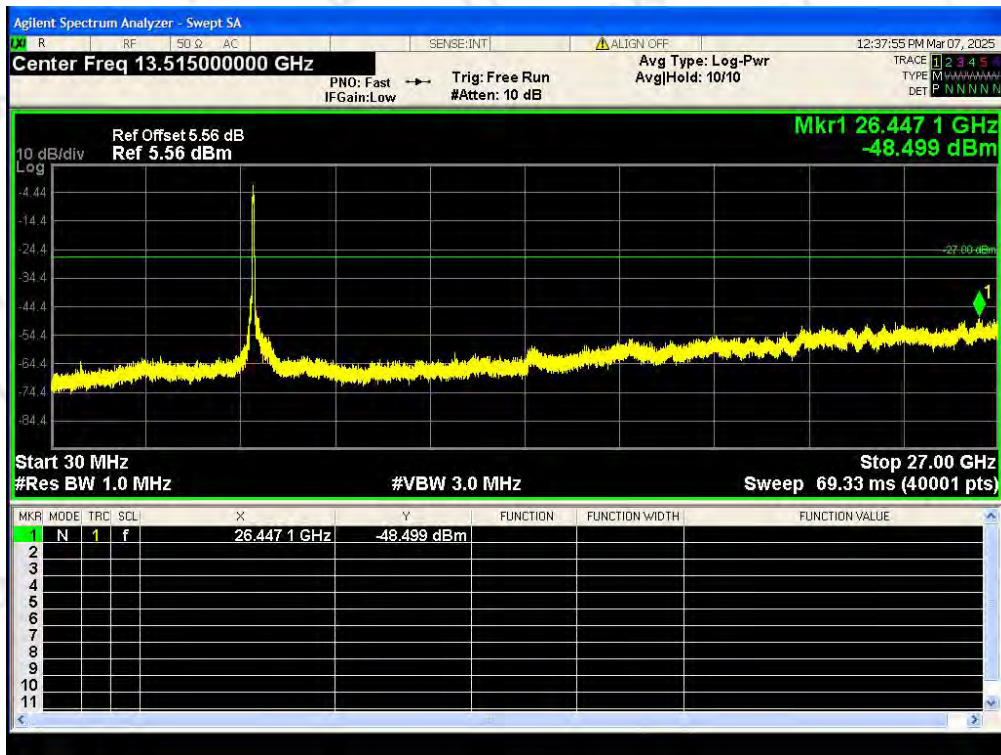
Tx. Spurious NVNT 802.11ac40 5755MHz Ant2 Emission



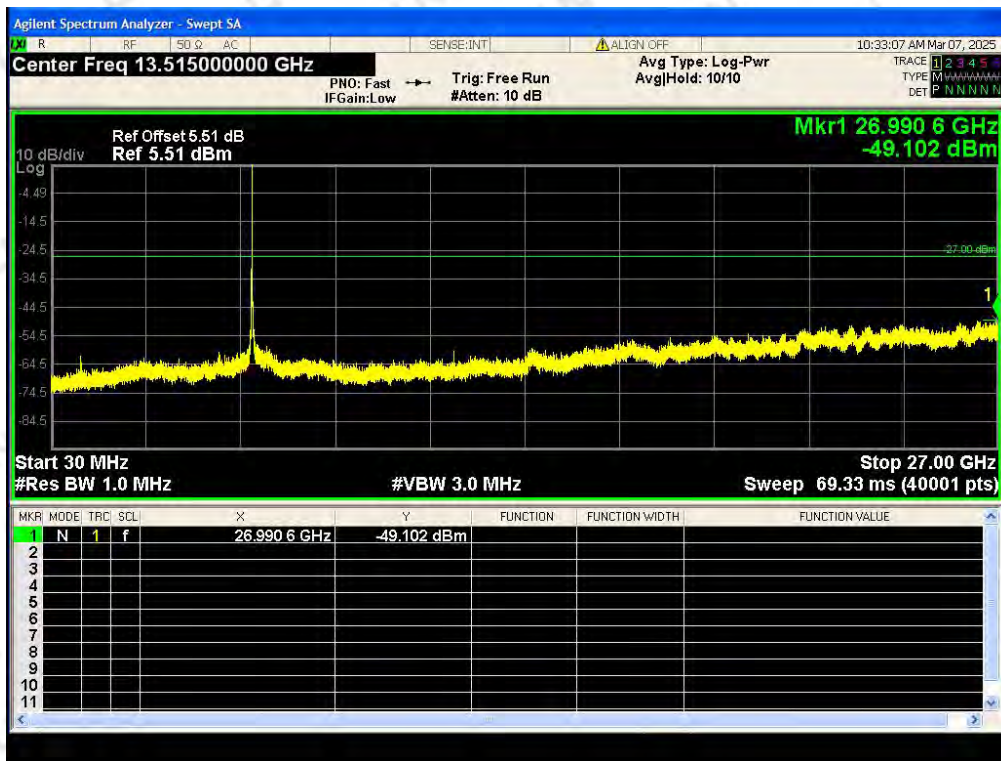
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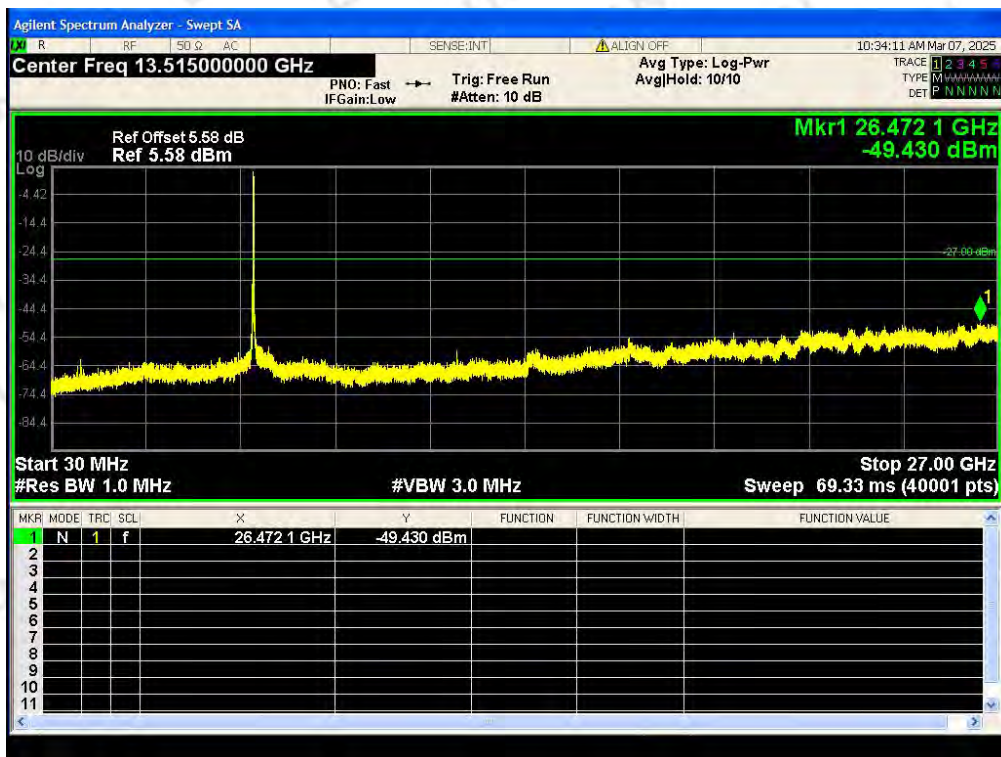
Tx. Spurious NVNT 802.11ac80 5775MHz Ant2 Emission



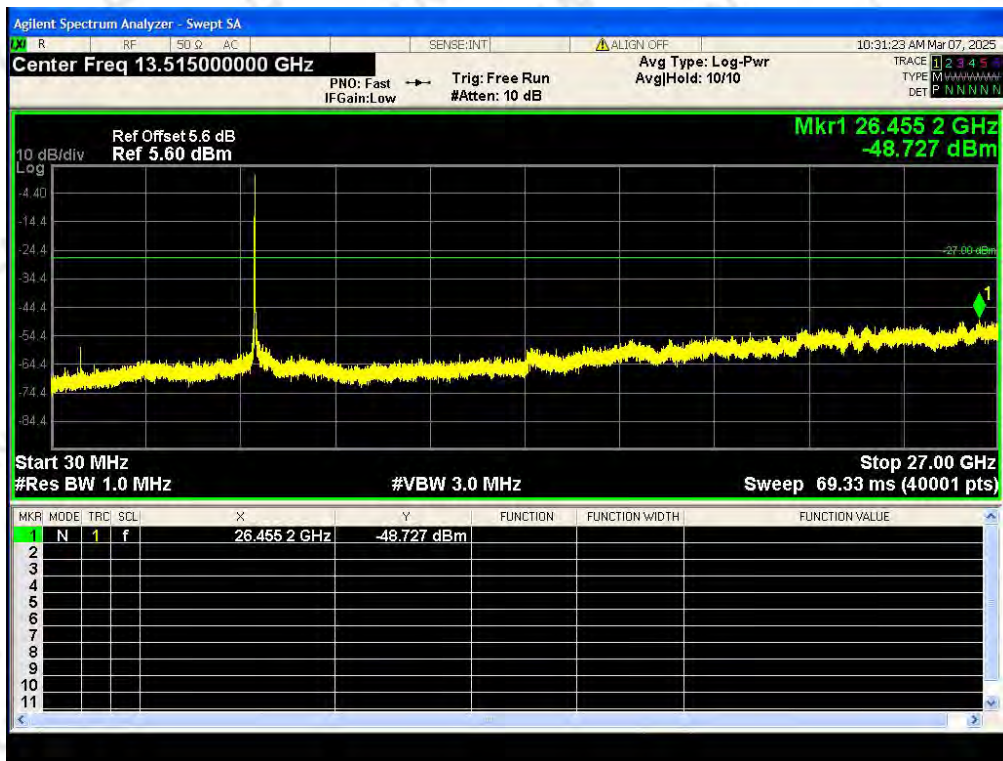
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant2 Emission



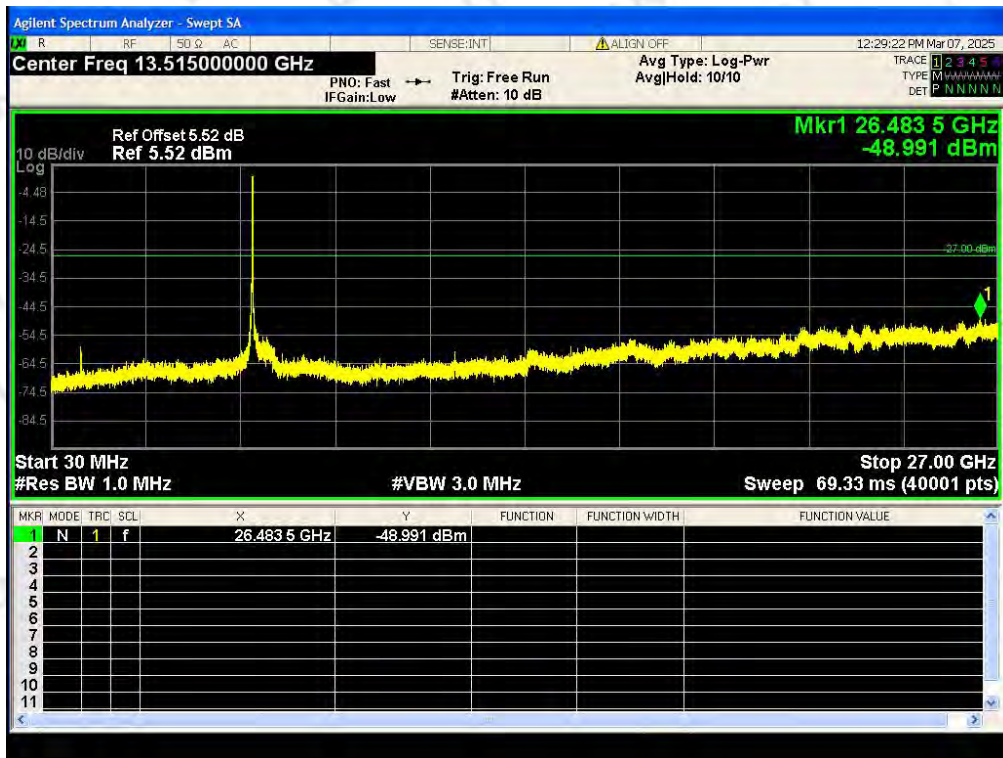
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant2 Emission



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

