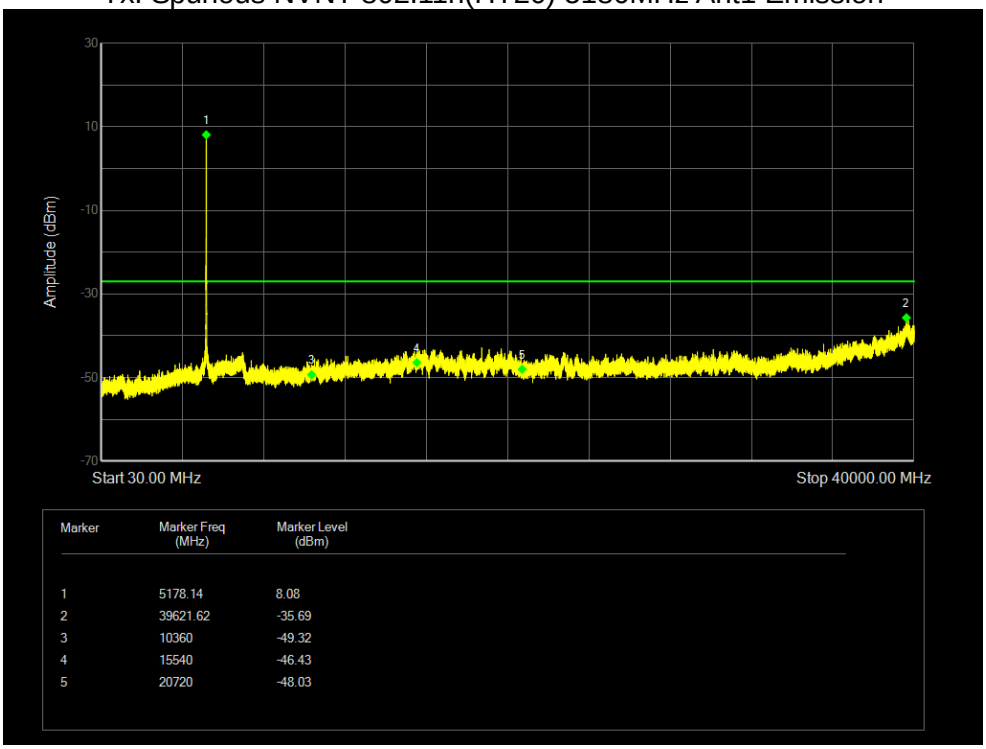
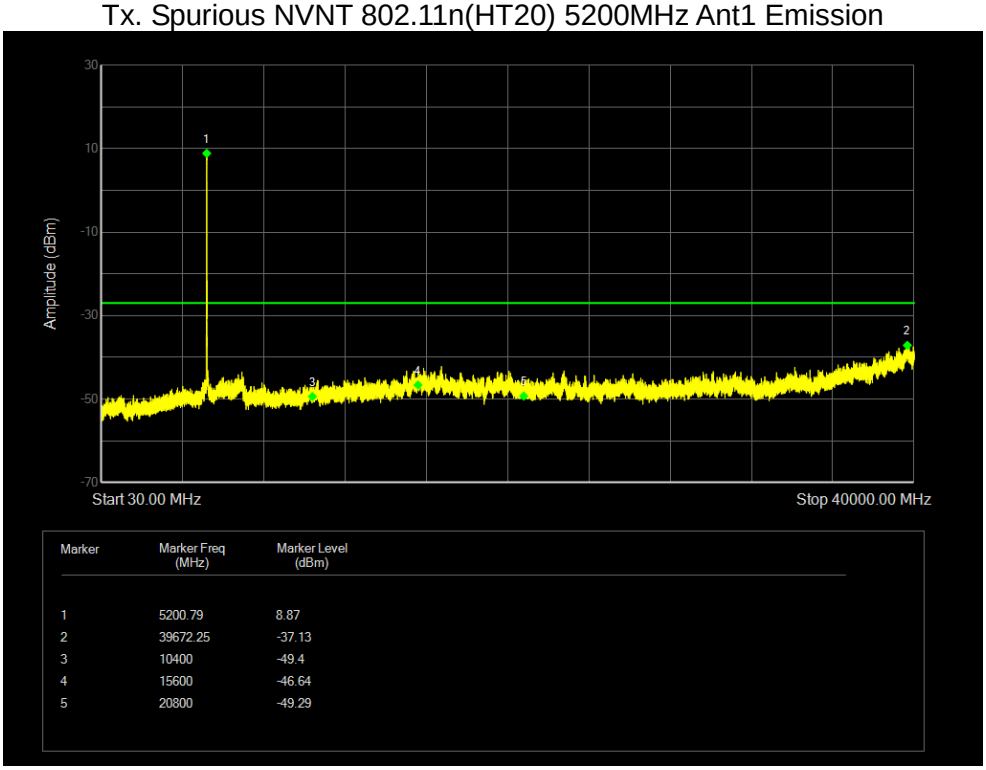
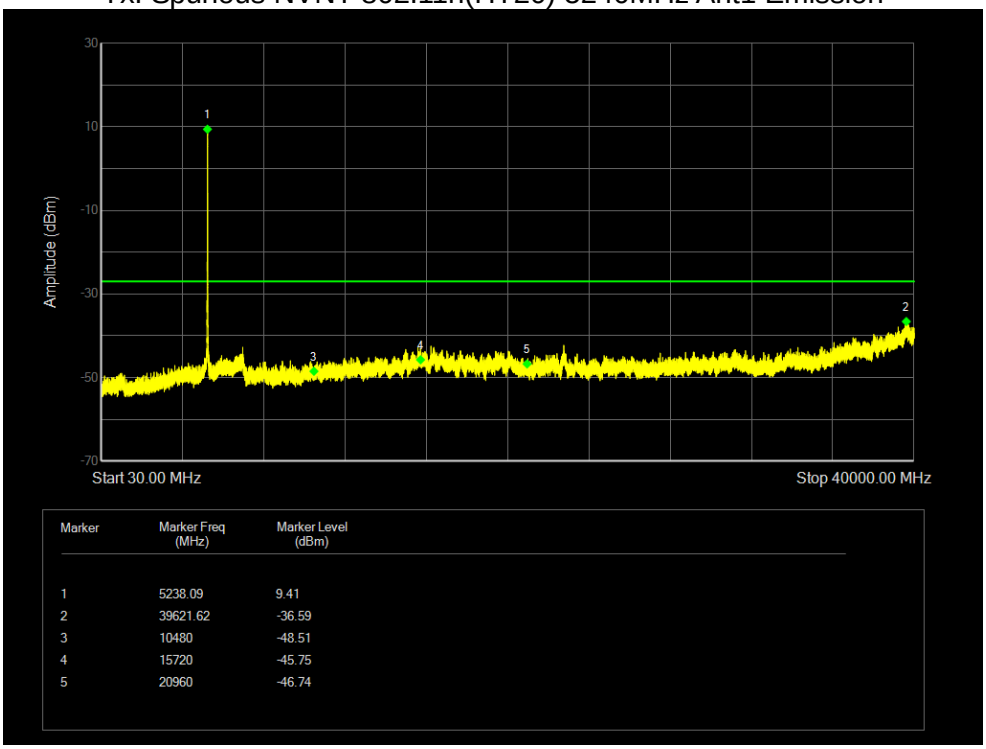
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission



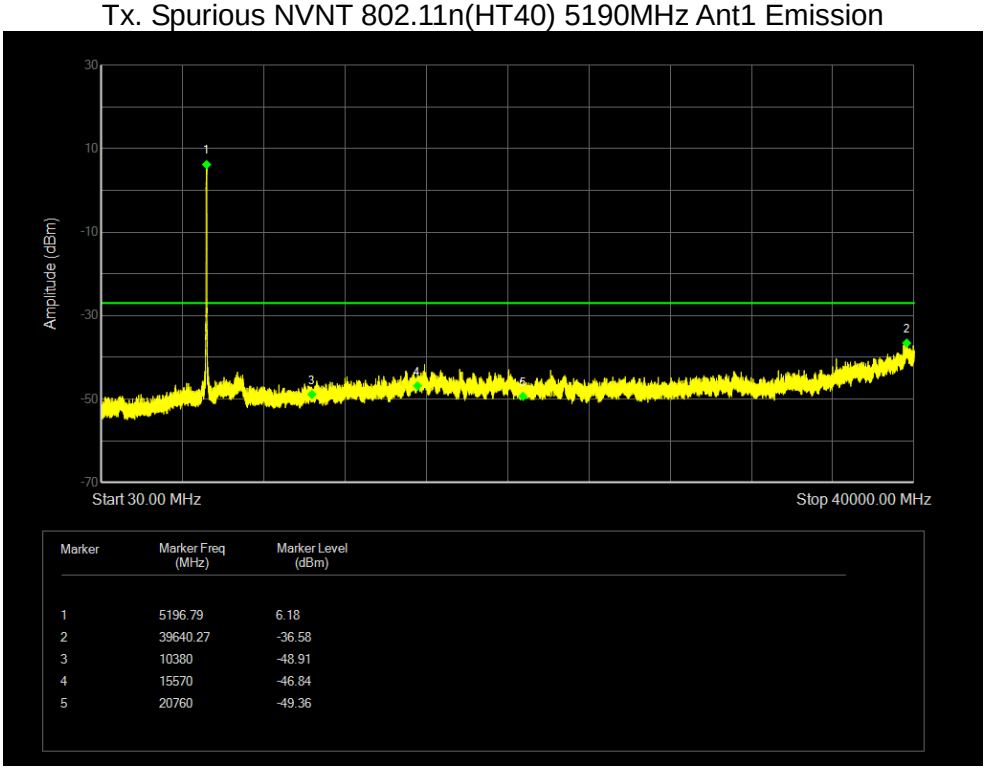
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant1 Emission



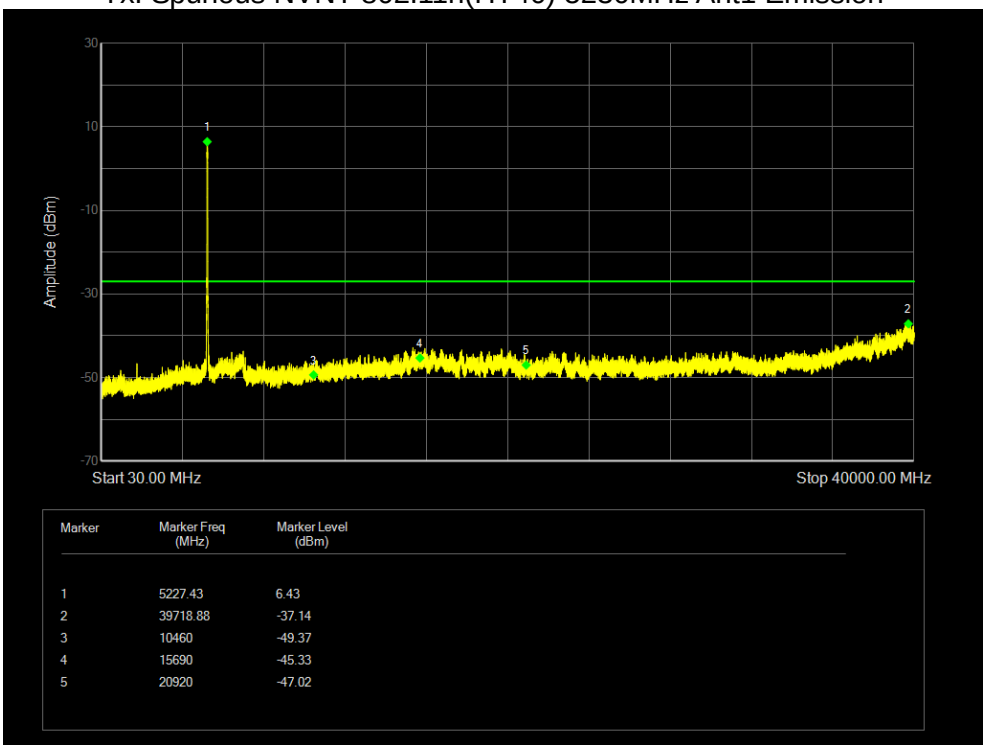
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant1 Emission



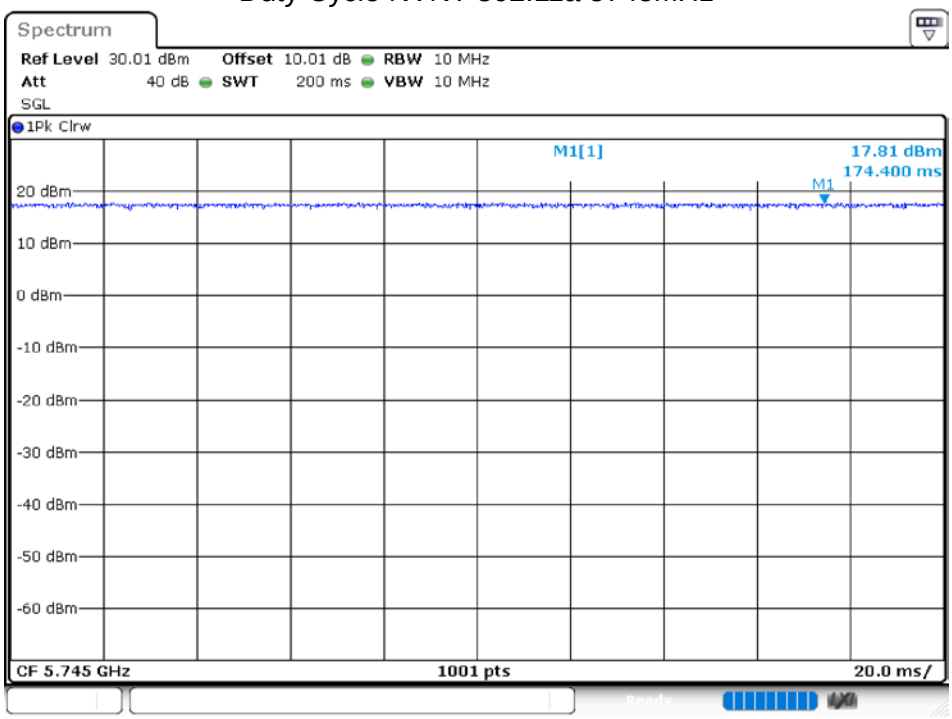
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5227.43	6.43
2	39718.88	-37.14
3	10460	-49.37
4	15690	-45.33
5	20920	-47.02

5.8G

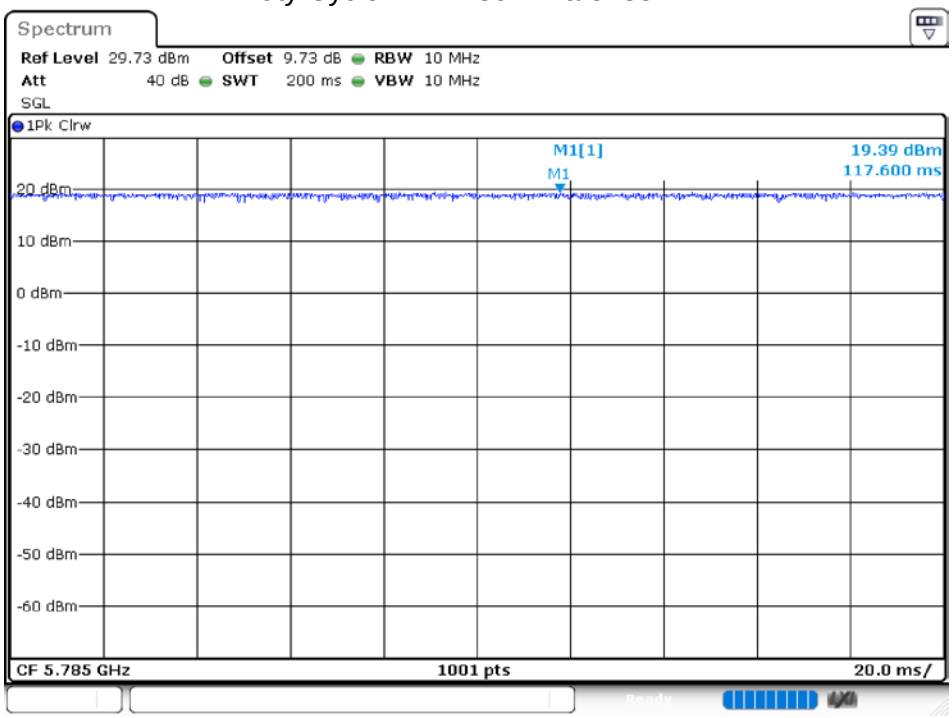
5.1 DUTY CYCLE

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

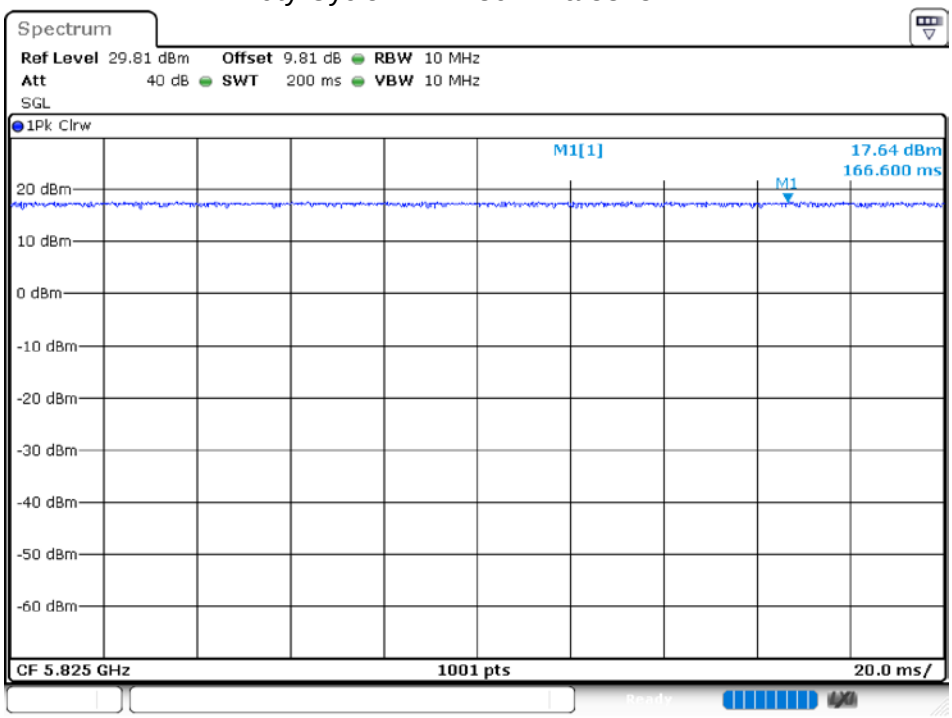
Duty Cycle NVNT 802.11a 5745MHz



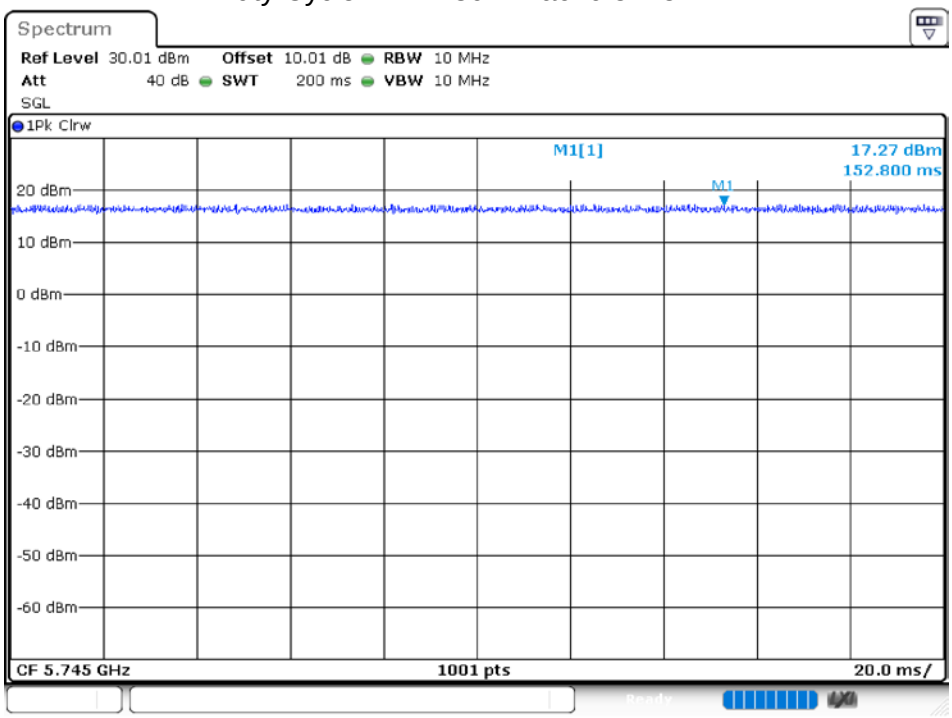
Duty Cycle NVNT 802.11a 5785MHz



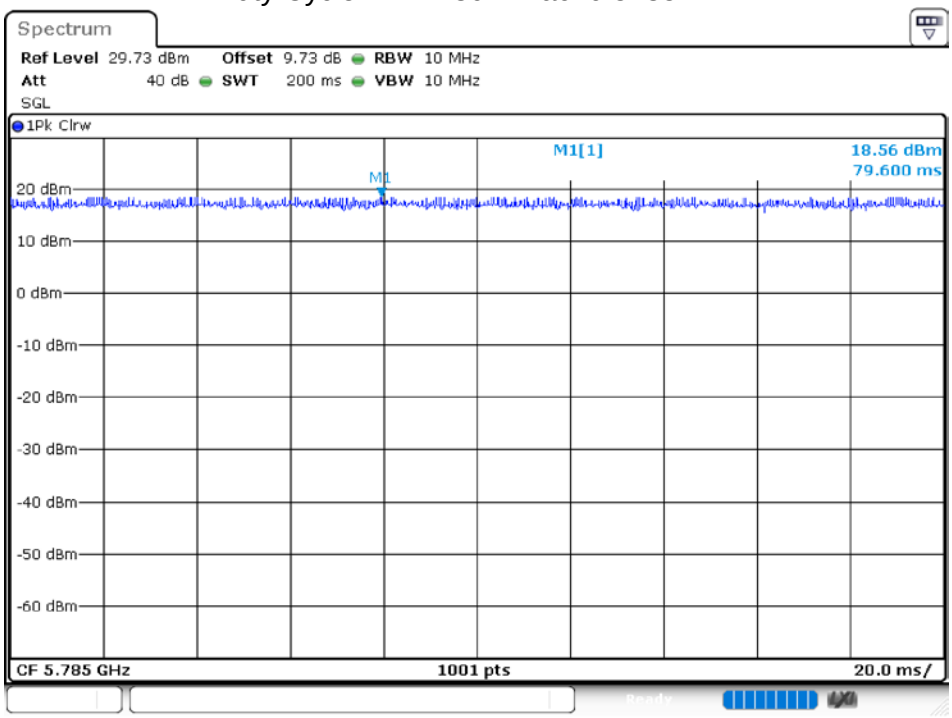
Duty Cycle NVNT 802.11a 5825MHz



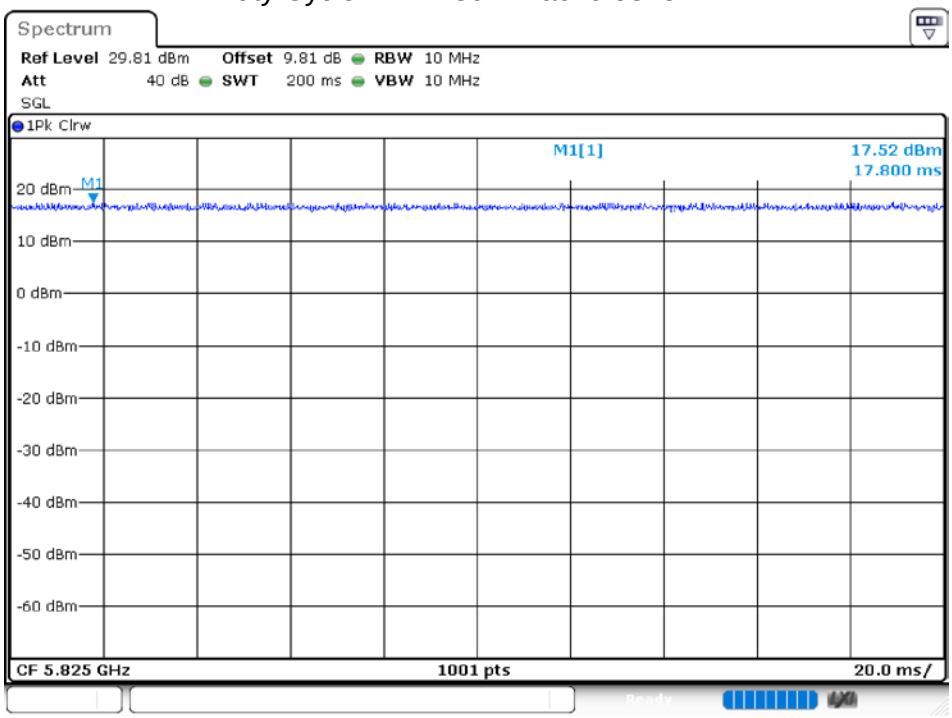
Duty Cycle NVNT 802.11ac20 5745MHz



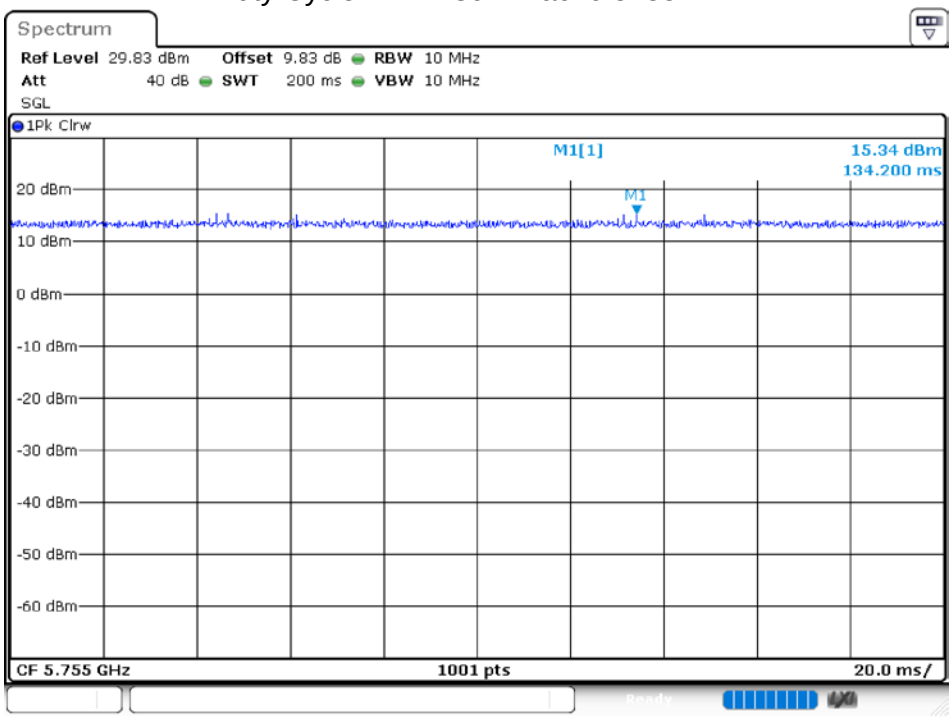
Duty Cycle NVNT 802.11ac20 5785MHz



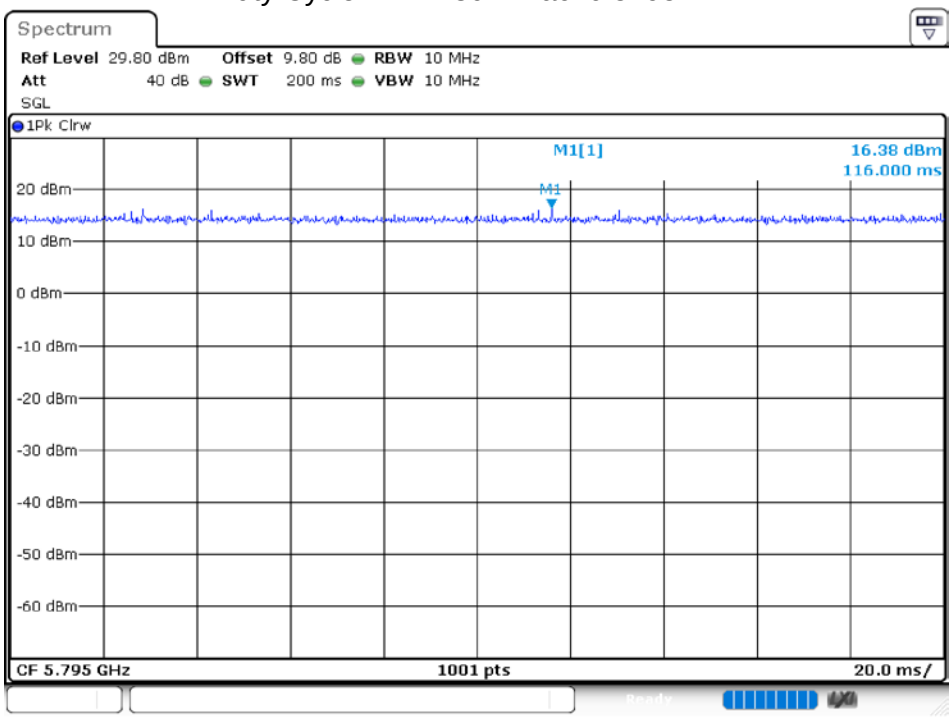
Duty Cycle NVNT 802.11ac20 5825MHz



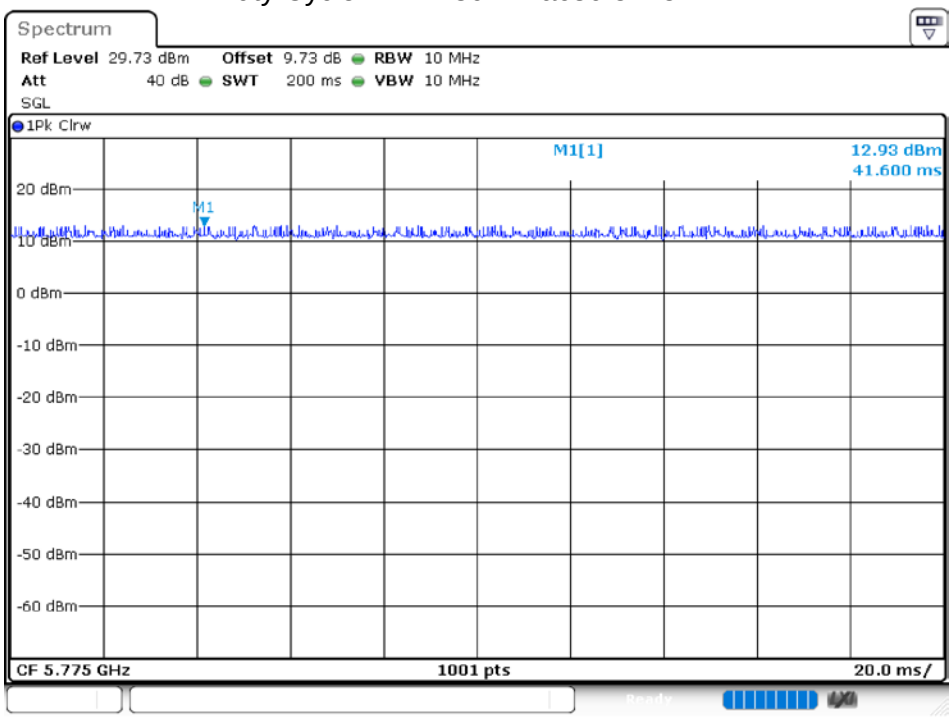
Duty Cycle NVNT 802.11ac40 5755MHz



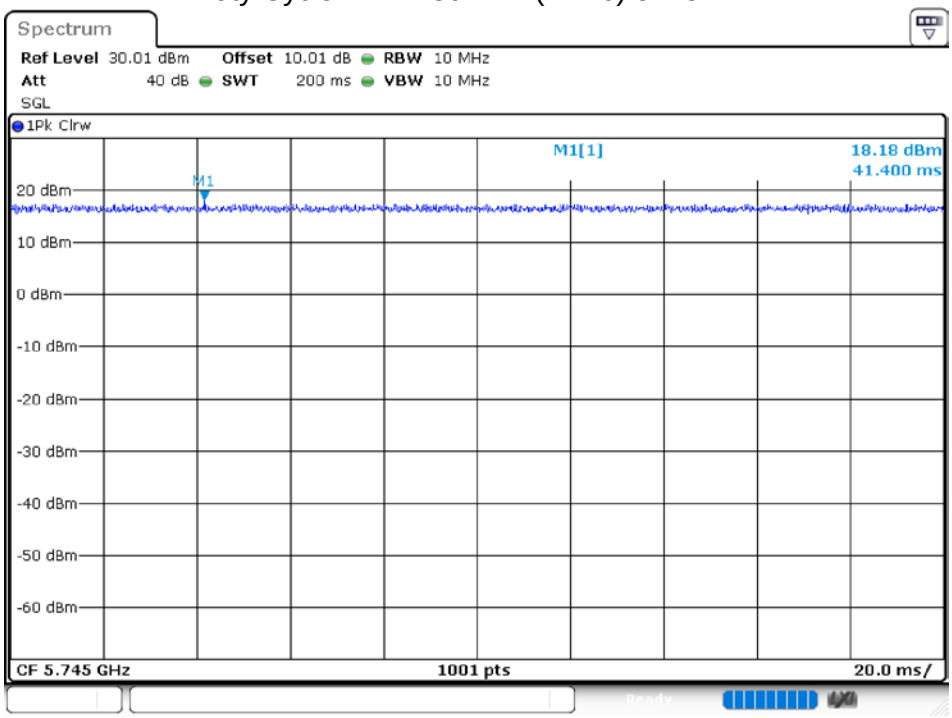
Duty Cycle NVNT 802.11ac40 5795MHz



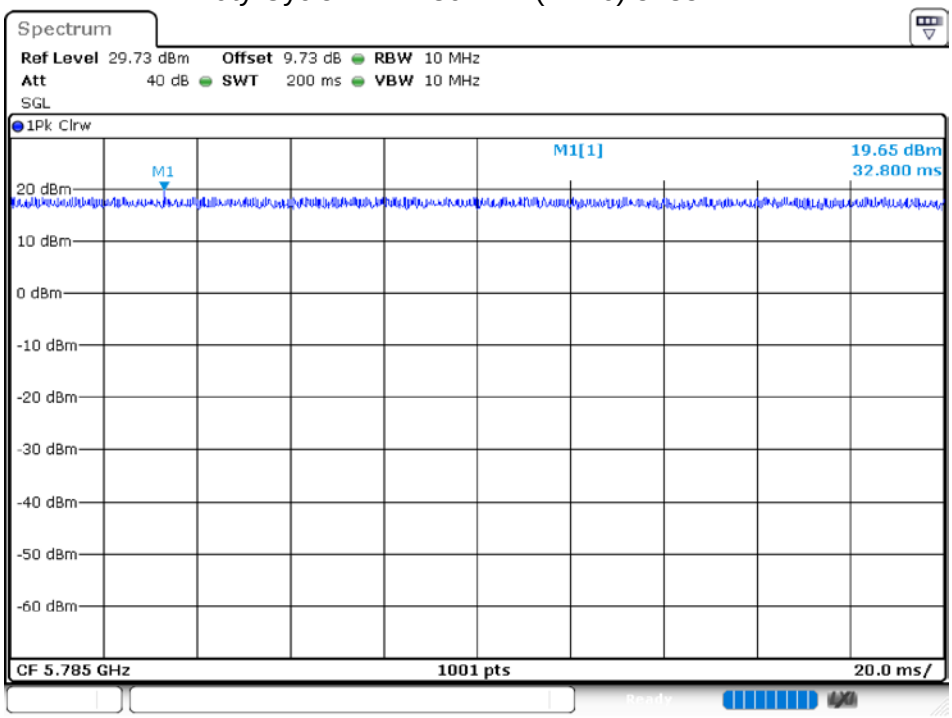
Duty Cycle NVNT 802.11ac80 5775MHz



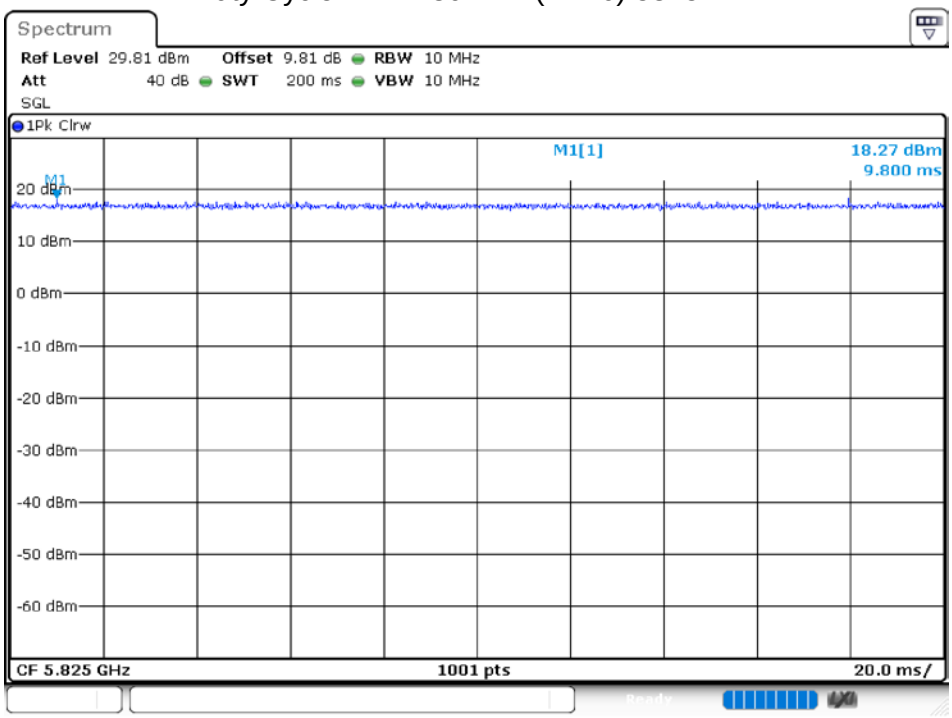
Duty Cycle NVNT 802.11n(HT20) 5745MHz



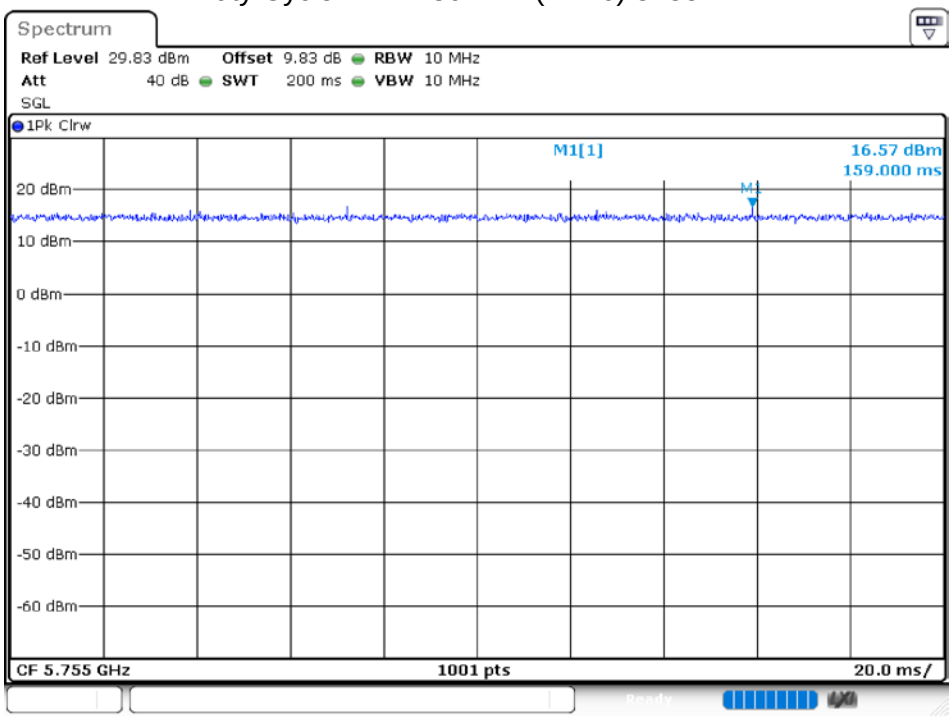
Duty Cycle NVNT 802.11n(HT20) 5785MHz



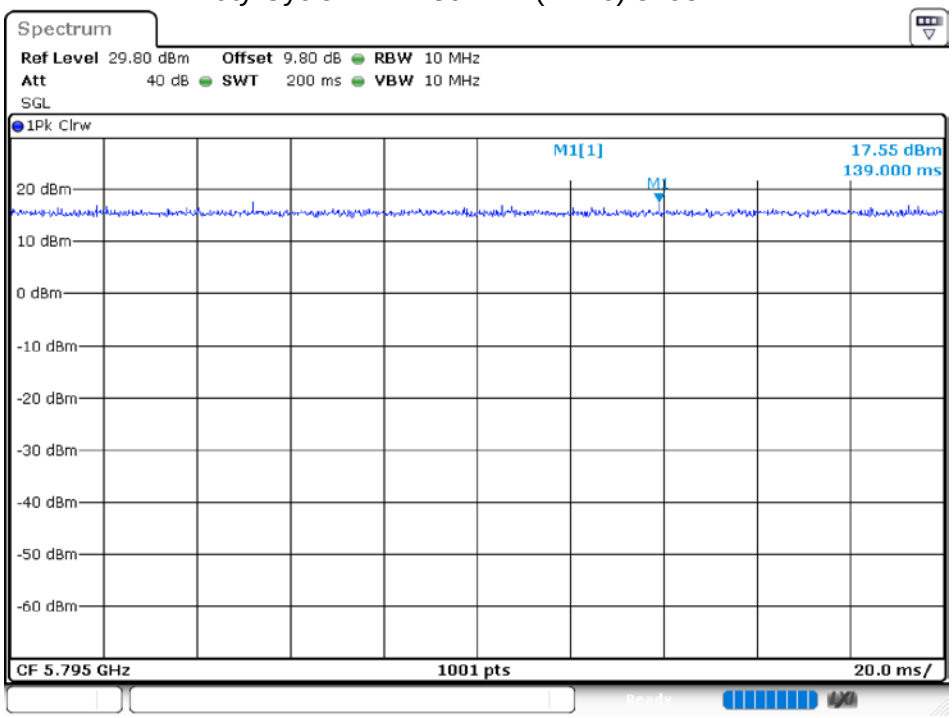
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



Duty Cycle NVNT 802.11n(HT40) 5795MHz



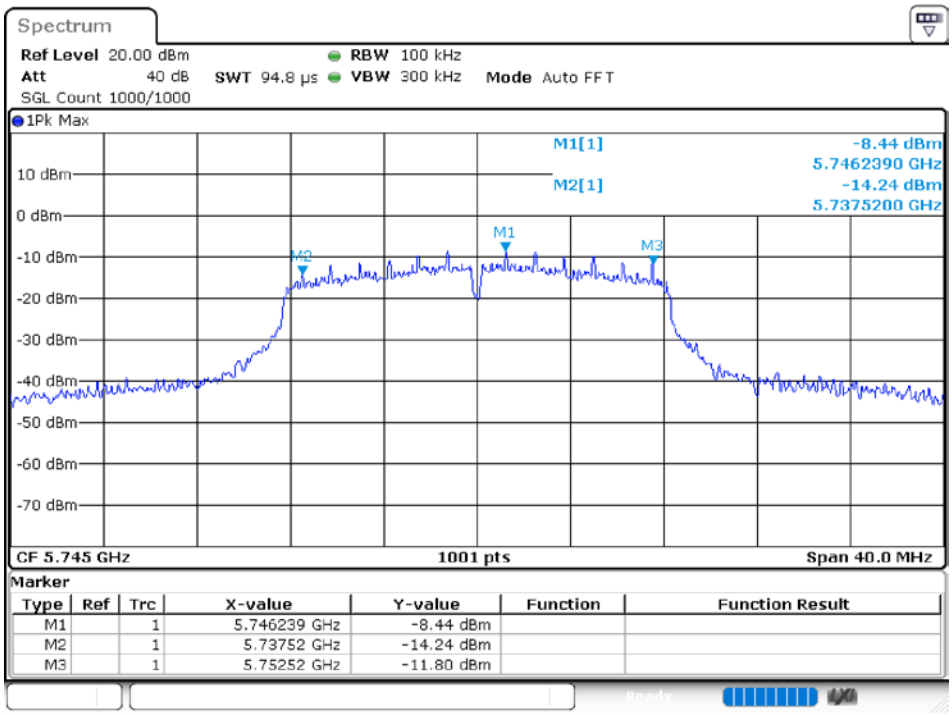
5.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	10.18	0	10.18	30	Pass
NVNT	802.11a	5785	Ant 1	10.77	0	10.77	30	Pass
NVNT	802.11a	5825	Ant 1	9.74	0	9.74	30	Pass
NVNT	802.11ac20	5745	Ant 1	9.03	0	9.03	30	Pass
NVNT	802.11ac20	5785	Ant 1	9.2	0	9.2	30	Pass
NVNT	802.11ac20	5825	Ant 1	8.96	0	8.96	30	Pass
NVNT	802.11ac40	5755	Ant 1	7.76	0	7.76	30	Pass
NVNT	802.11ac40	5795	Ant 1	8.26	0	8.26	30	Pass
NVNT	802.11ac80	5775	Ant 1	7.79	0	7.79	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	8.92	0	8.92	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	9.13	0	9.13	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	9.38	0	9.38	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	9.33	0	9.33	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	9.8	0	9.8	30	Pass

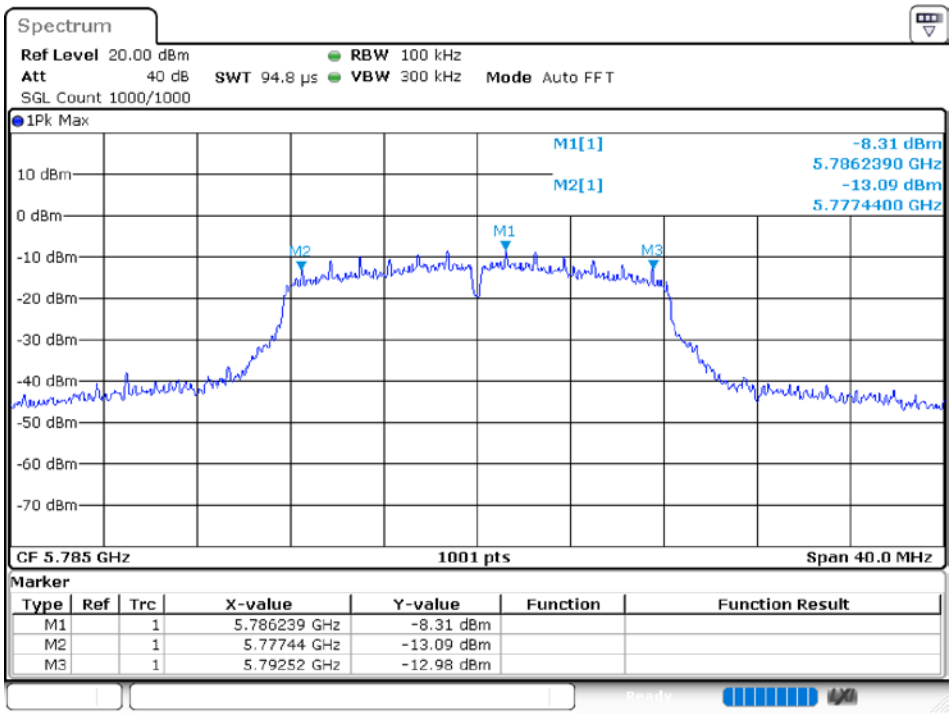
5.3 -6DB EMISSION BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	15	0.5	Pass
NVNT	802.11a	5785	Ant 1	15.08	0.5	Pass
NVNT	802.11a	5825	Ant 1	15.12	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	15.08	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	15.08	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	15.96	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	33.84	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	32.56	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	68.96	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	15.08	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	16.28	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	15.08	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	33.76	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	35.04	0.5	Pass

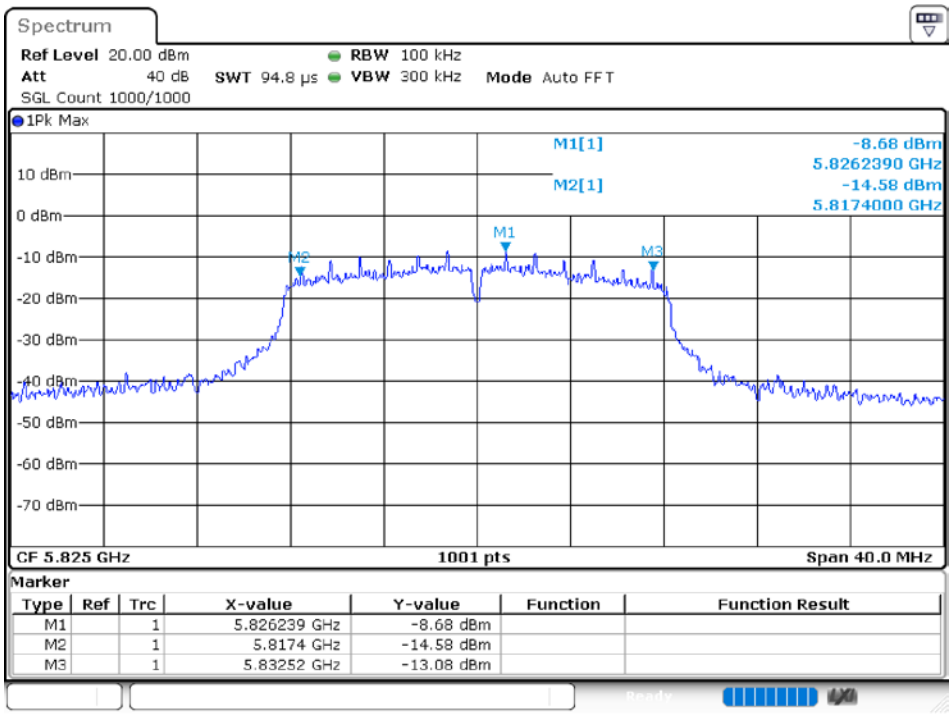
EBW NVNT 802.11a 5745MHz Ant1



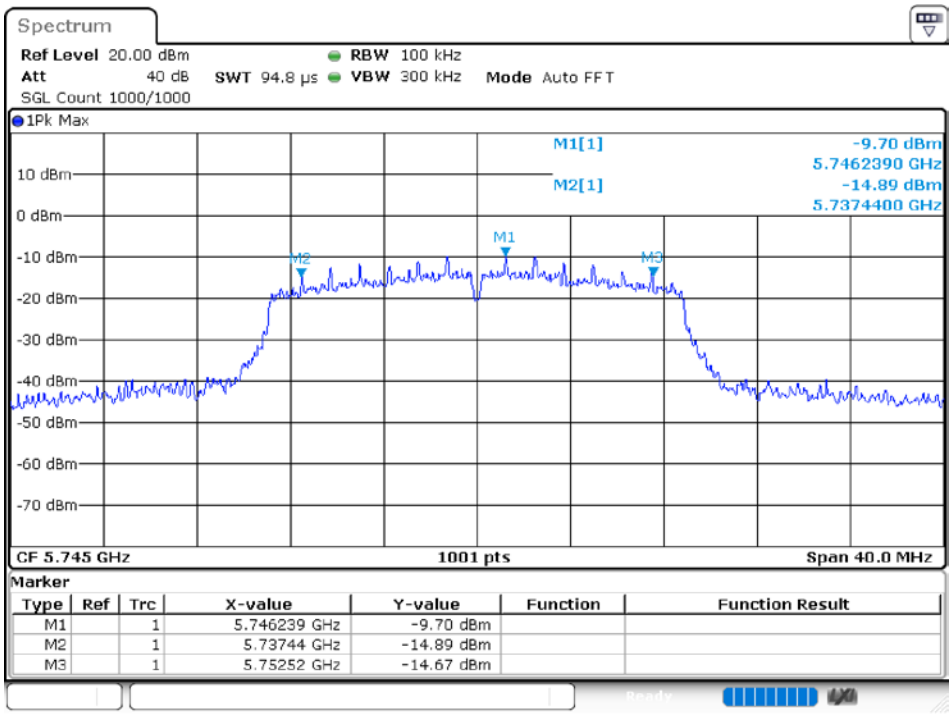
EBW NVNT 802.11a 5785MHz Ant1



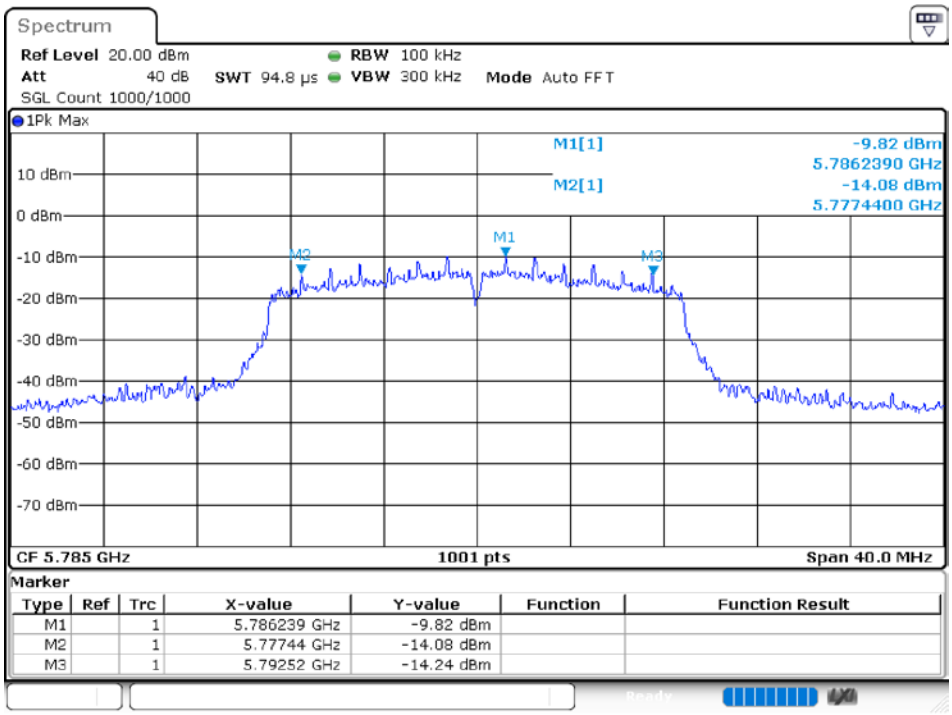
EBW NVNT 802.11a 5825MHz Ant1



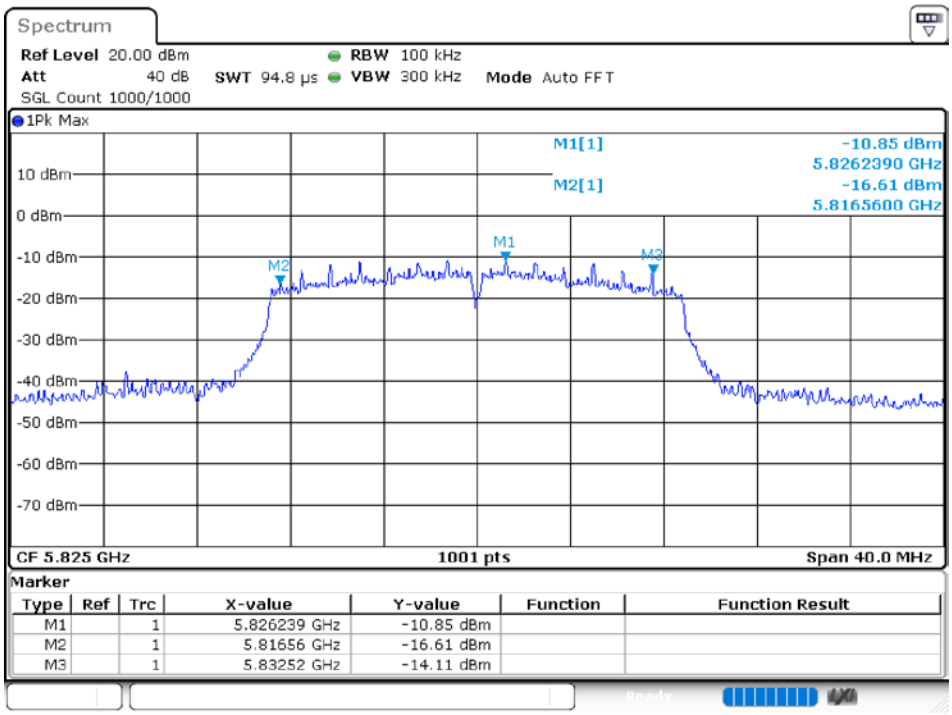
EBW NVNT 802.11ac20 5745MHz Ant1



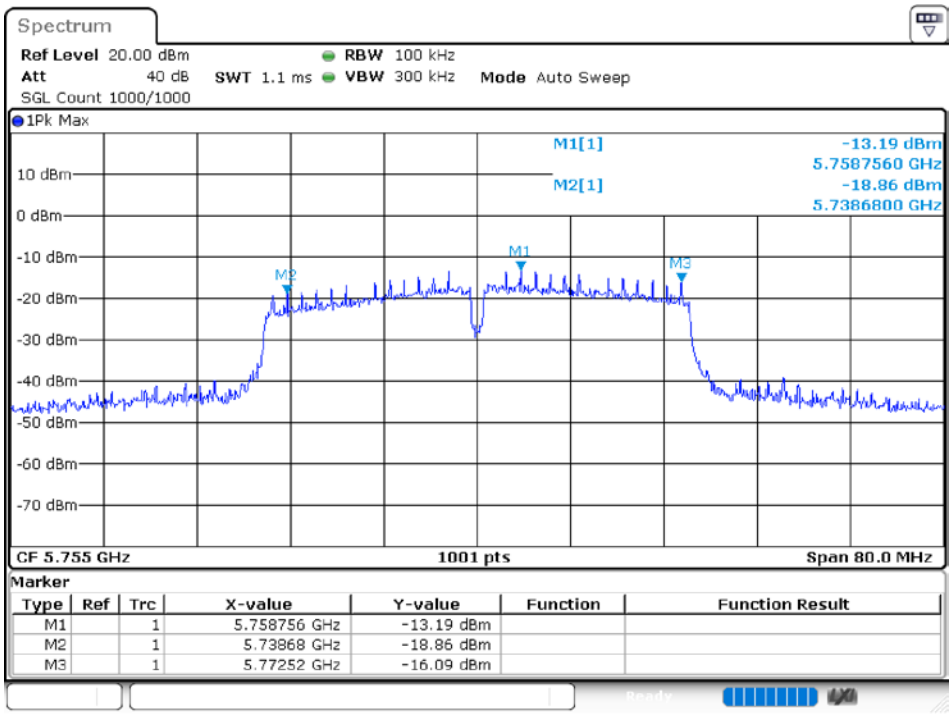
EBW NVNT 802.11ac20 5785MHz Ant1



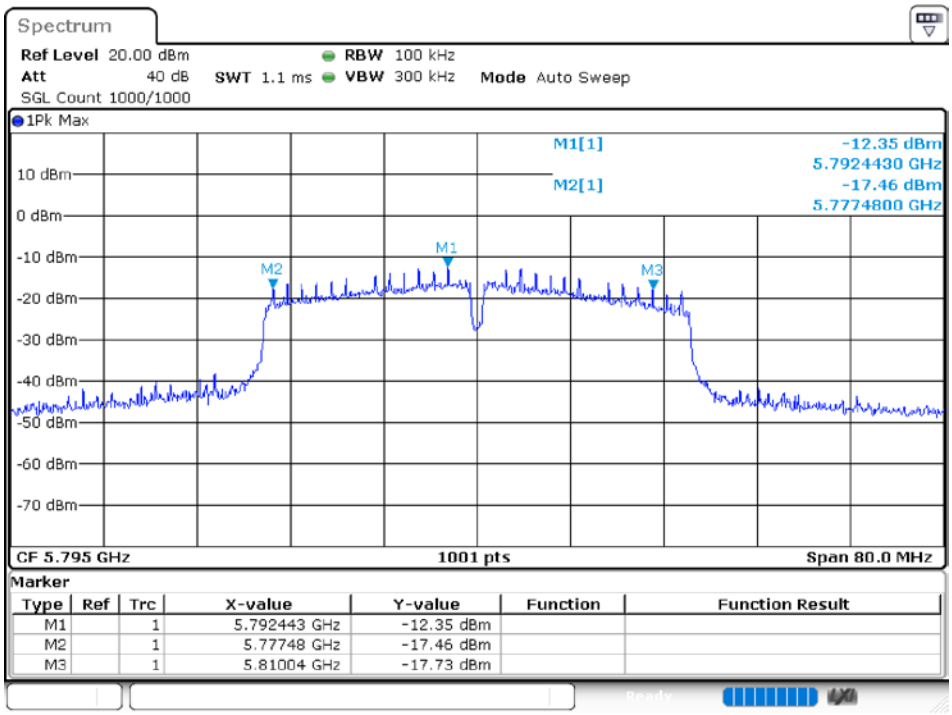
EBW NVNT 802.11ac20 5825MHz Ant1



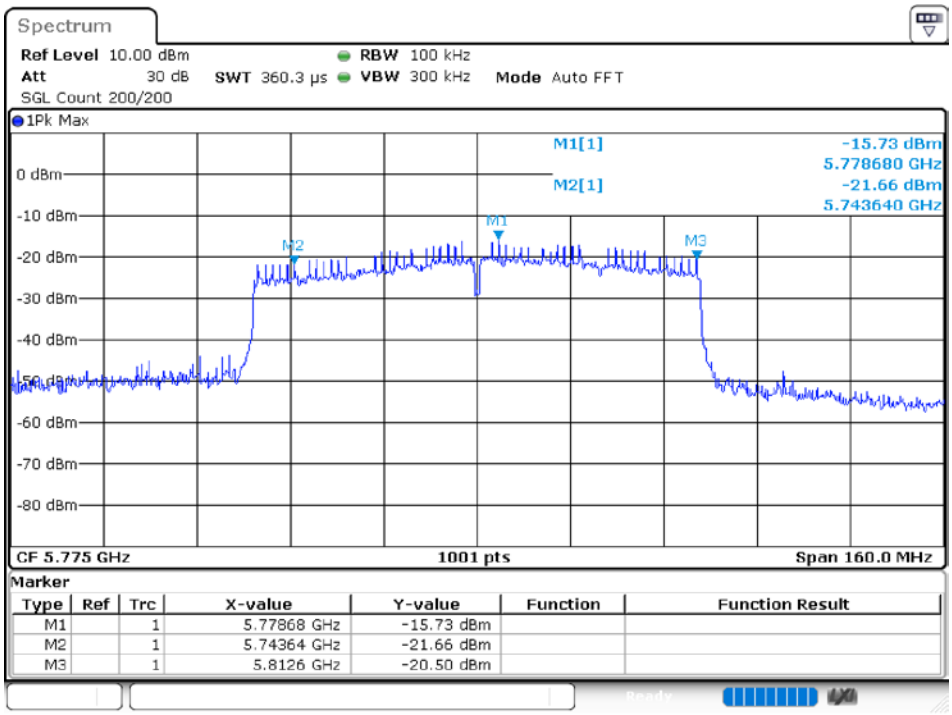
EBW NVNT 802.11ac40 5755MHz Ant1



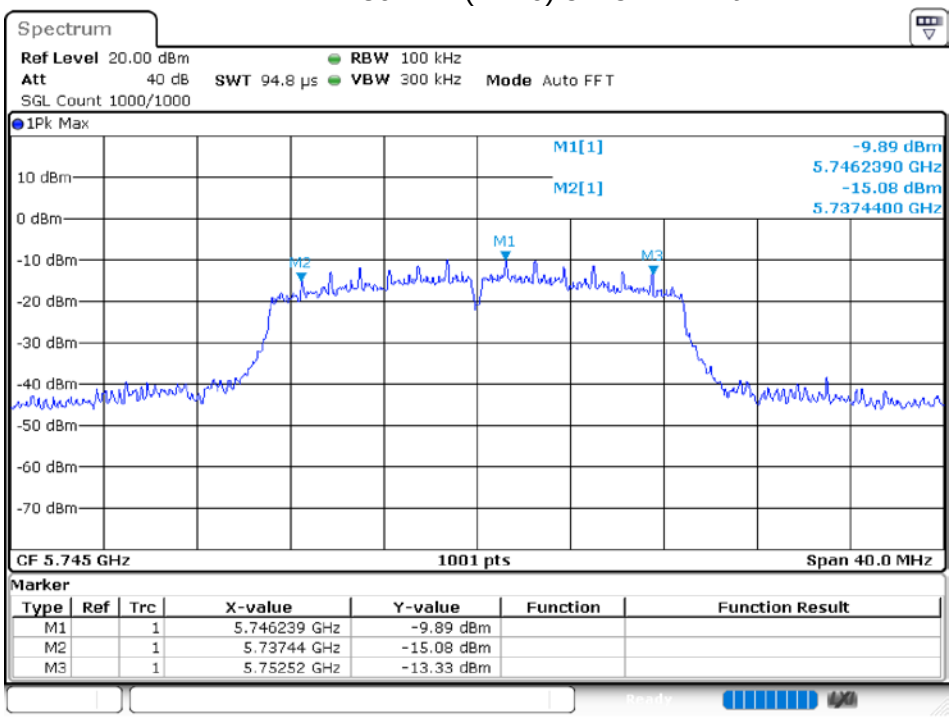
EBW NVNT 802.11ac40 5795MHz Ant1



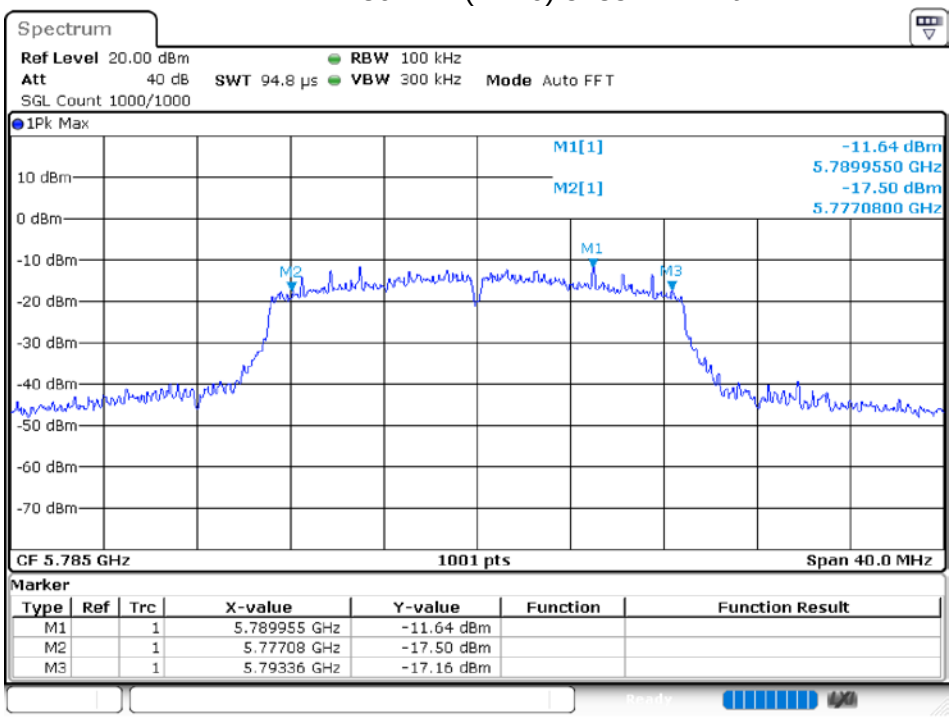
EBW NVNT 802.11ac80 5775MHz Ant1



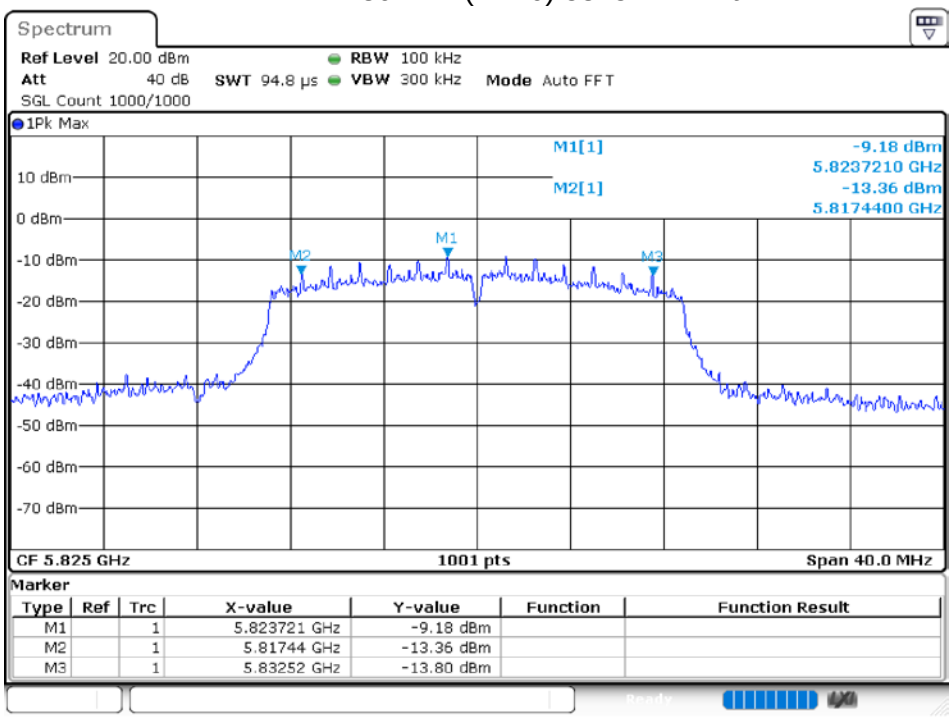
EBW NVNT 802.11n(HT20) 5745MHz Ant1



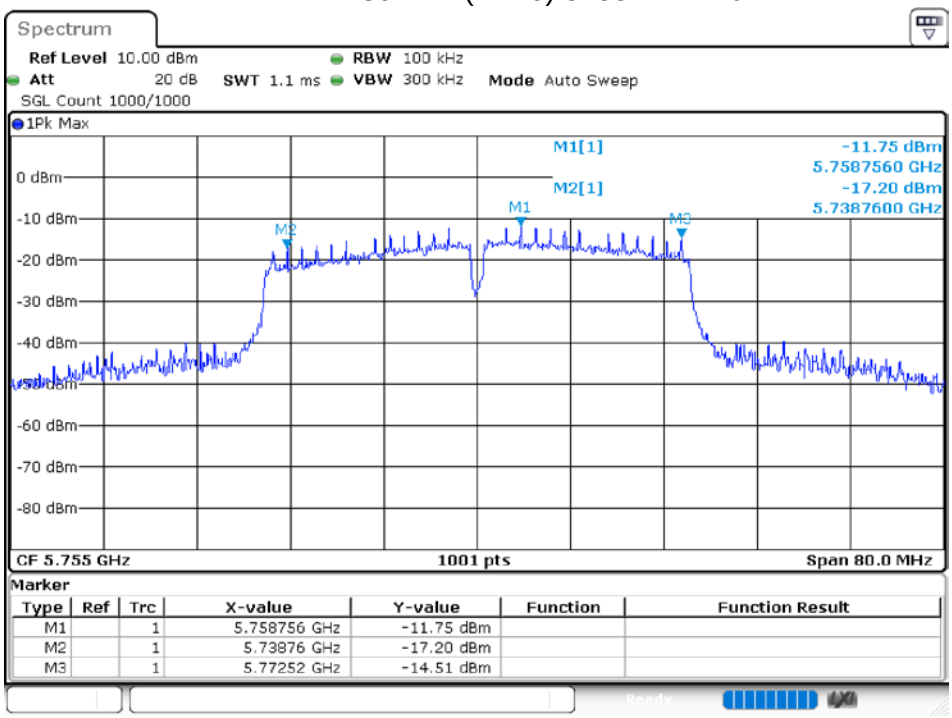
EBW NVNT 802.11n(HT20) 5785MHz Ant1



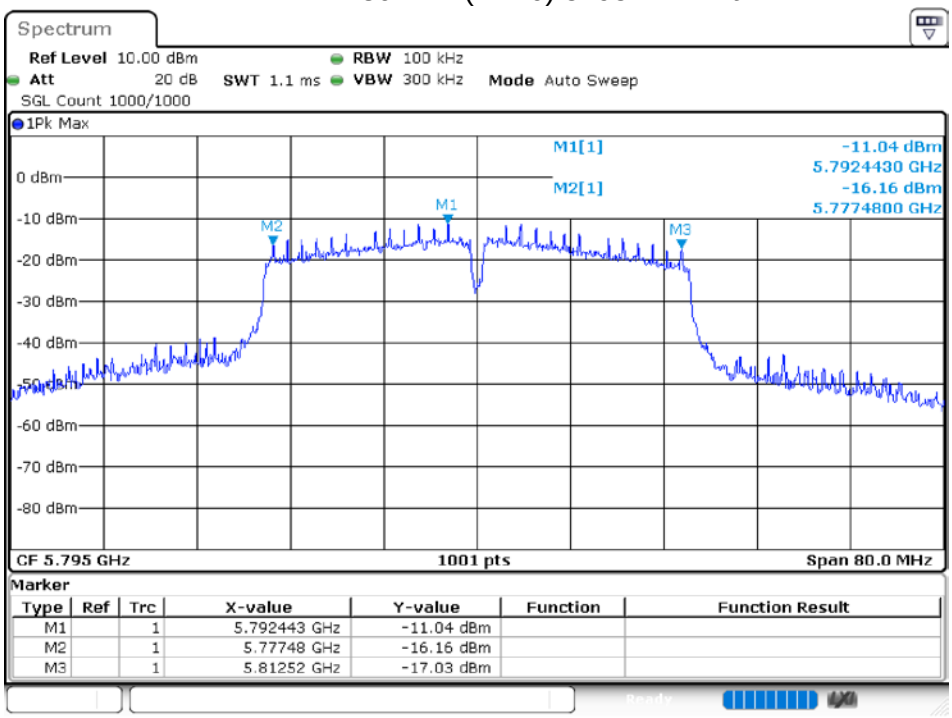
EBW NVNT 802.11n(HT20) 5825MHz Ant1



EBW NVNT 802.11n(HT40) 5755MHz Ant1



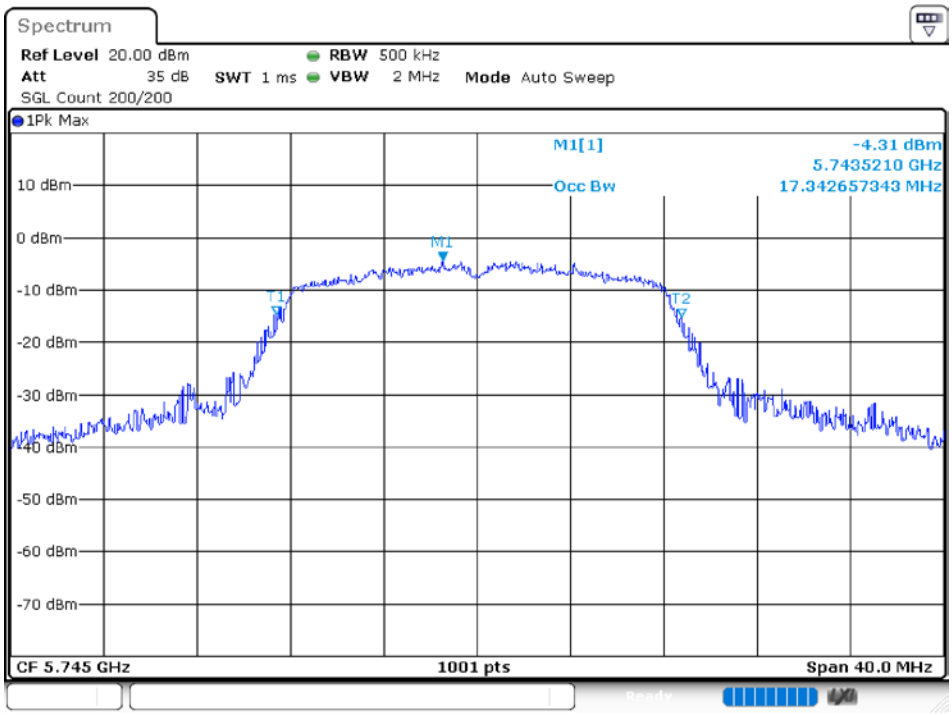
EBW NVNT 802.11n(HT40) 5795MHz Ant1



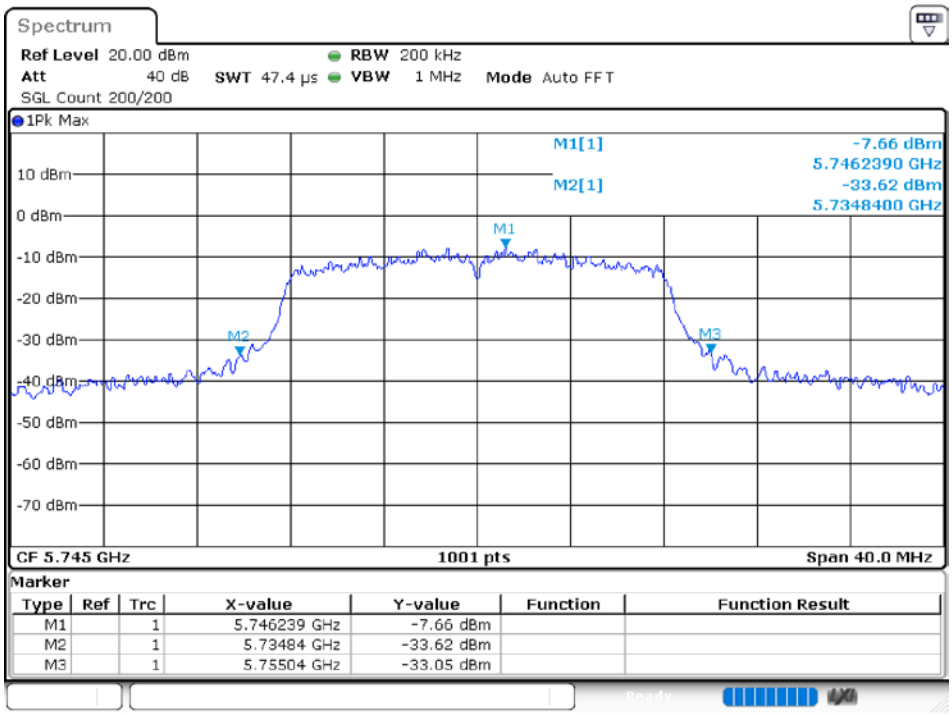
5.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	17.3427	20.2	Pass
NVNT	802.11a	5785	Ant 1	17.1029	19.8	Pass
NVNT	802.11a	5825	Ant 1	17.3427	20.96	Pass
NVNT	802.11ac20	5745	Ant 1	17.7822	20.32	Pass
NVNT	802.11ac20	5785	Ant 1	17.6224	20.04	Pass
NVNT	802.11ac20	5825	Ant 1	17.7423	20.56	Pass
NVNT	802.11ac40	5755	Ant 1	36.2038	45.84	Pass
NVNT	802.11ac40	5795	Ant 1	35.964	40	Pass
NVNT	802.11ac80	5775	Ant 1	75.2847	81.12	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.7023	20.4	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.7423	20.08	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.6623	20.36	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.2837	51.52	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.044	40.32	Pass

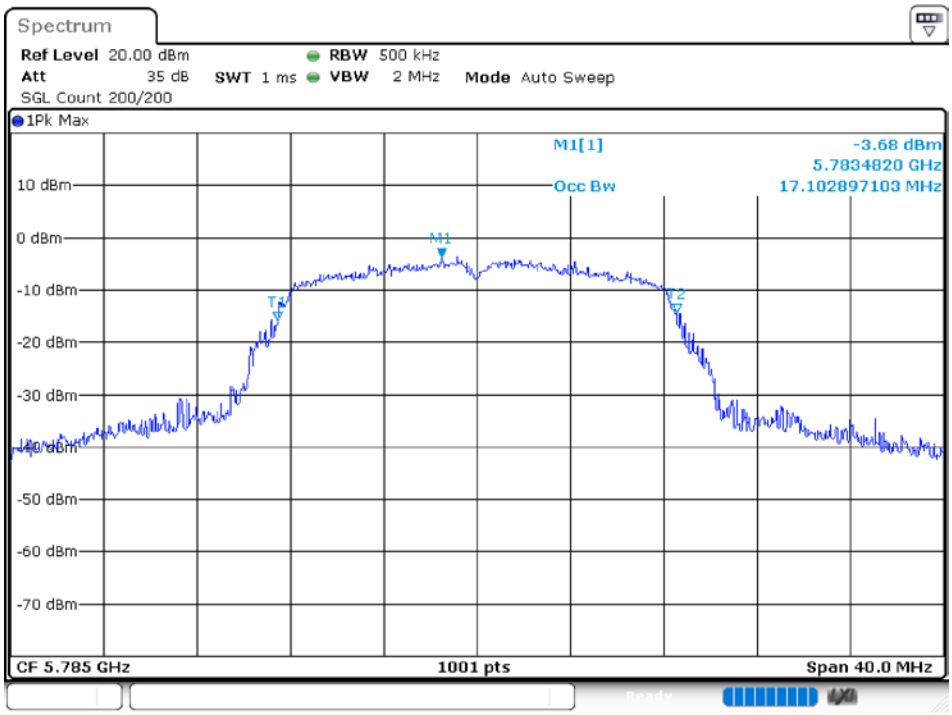
OBW NVNT 802.11a 5745MHz Ant1



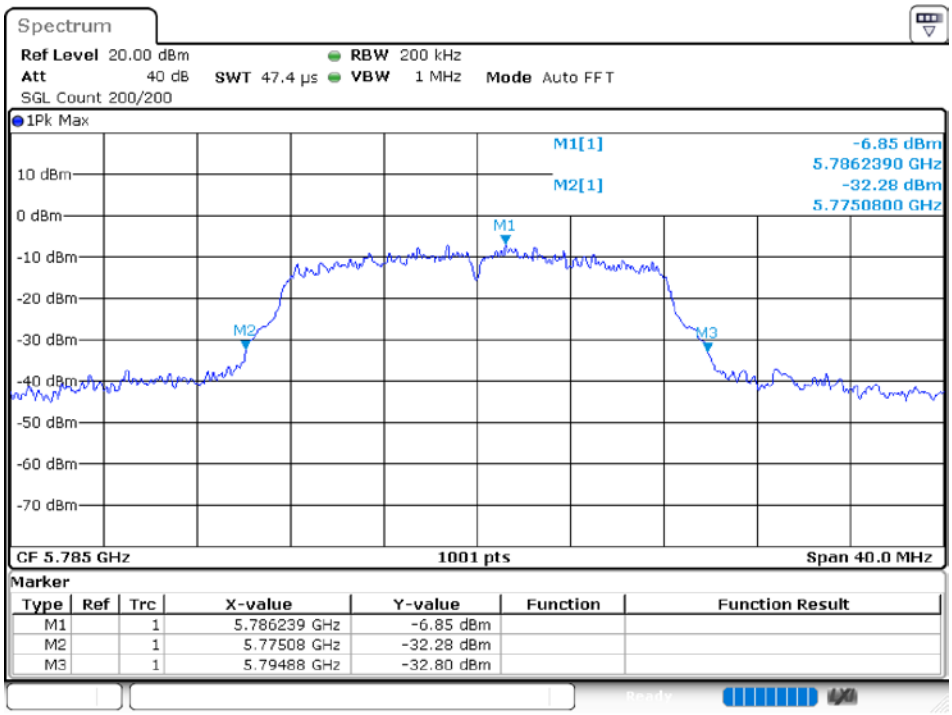
-26 dB BW NVNT 802.11a 5745MHz Ant1



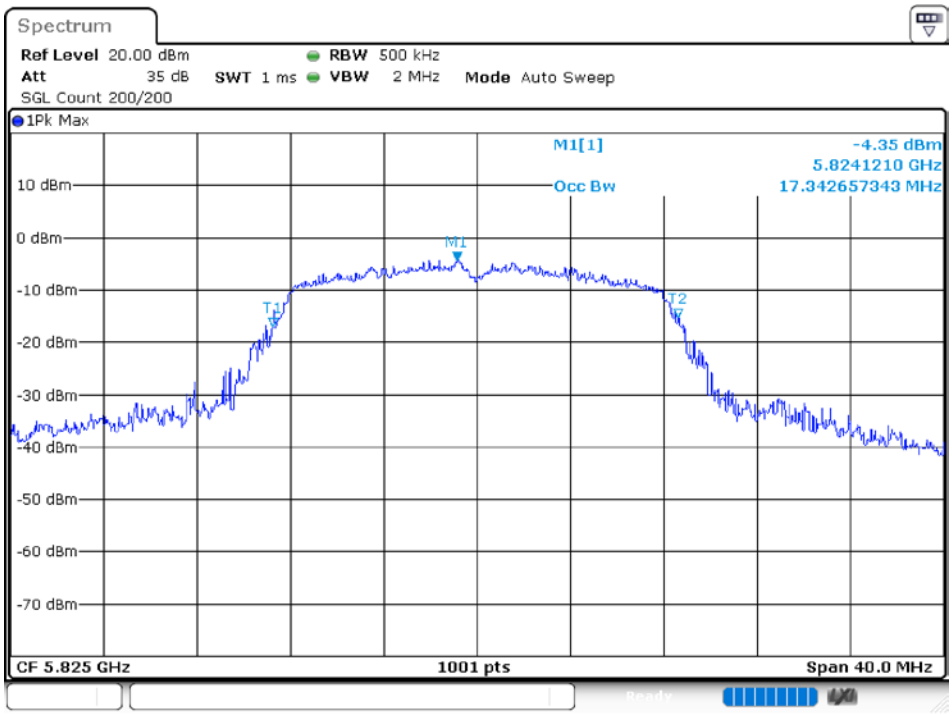
OBW NVNT 802.11a 5785MHz Ant1



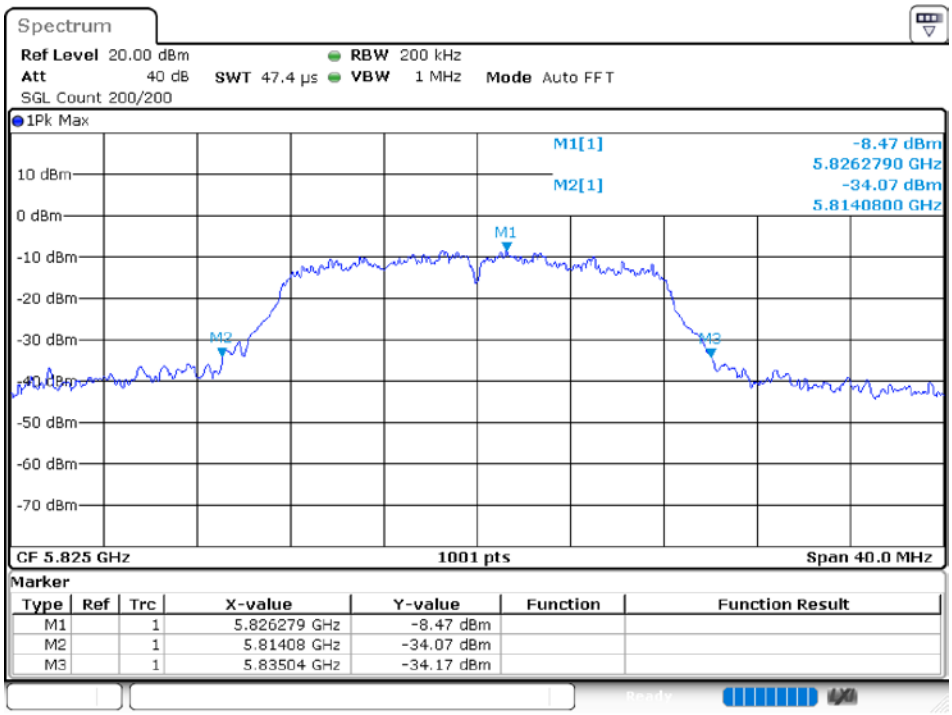
-26 dB BW NVNT 802.11a 5785MHz Ant1



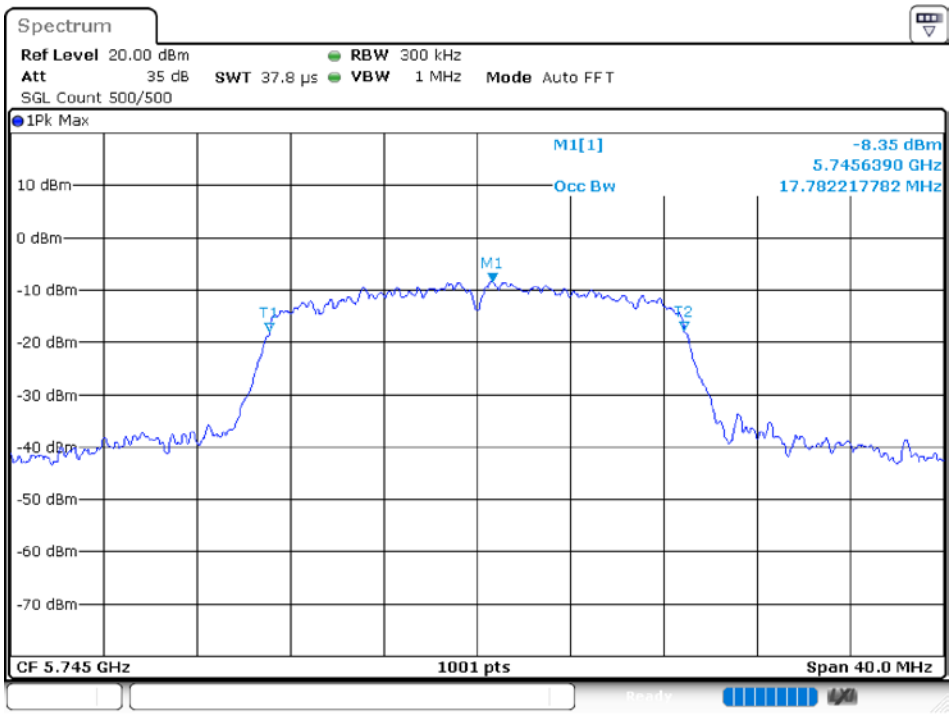
OBW NVNT 802.11a 5825MHz Ant1



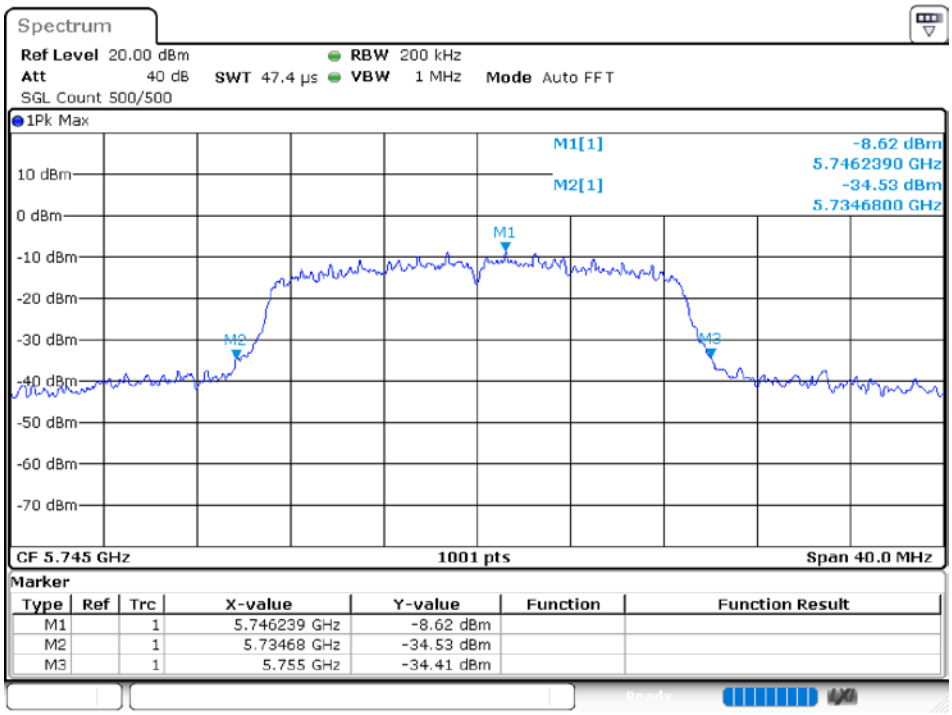
-26 dB BW NVNT 802.11a 5825MHz Ant1



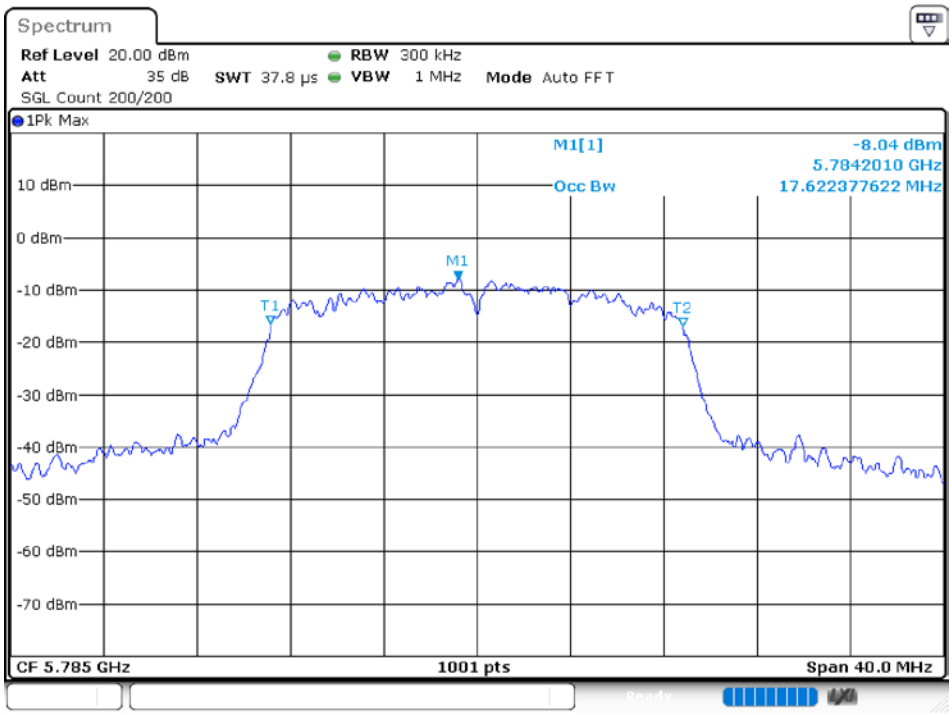
OBW NVNT 802.11ac20 5745MHz Ant1



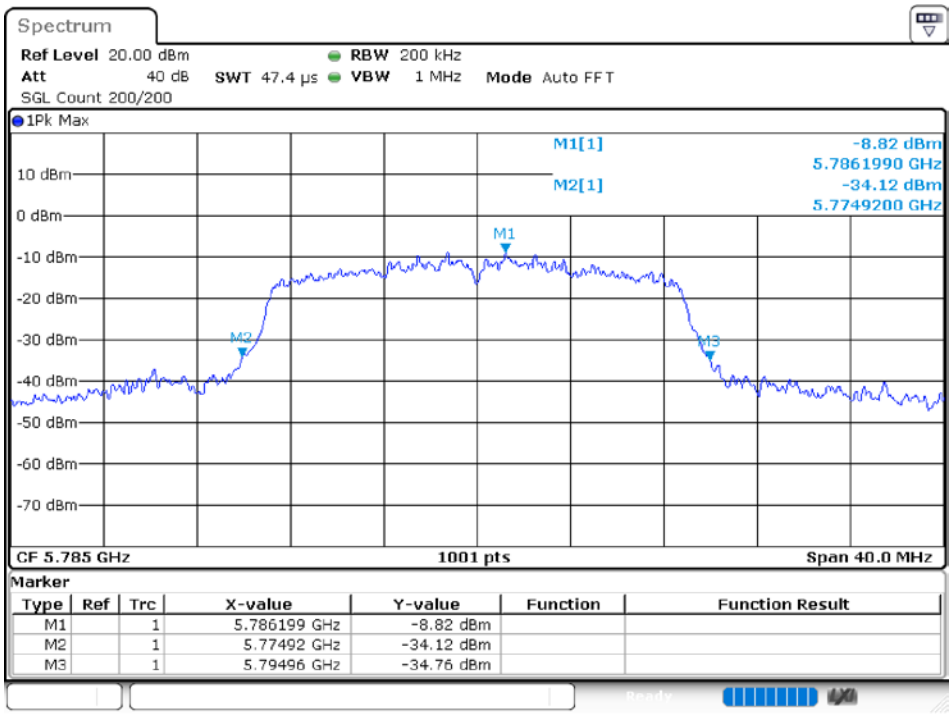
-26 dB BW NVNT 802.11ac20 5745MHz Ant1



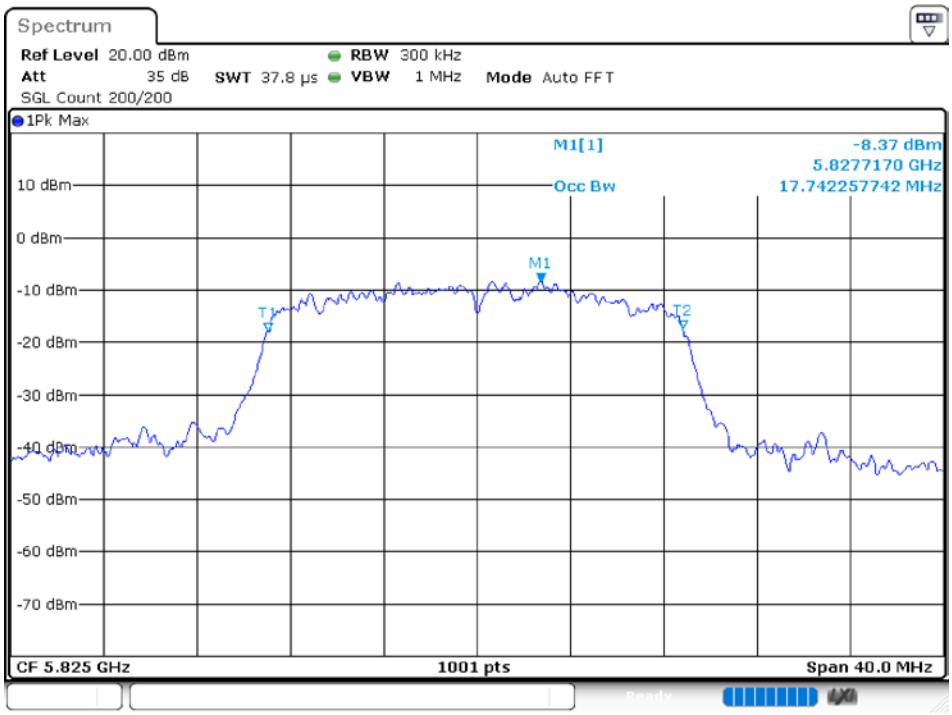
OBW NVNT 802.11ac20 5785MHz Ant1



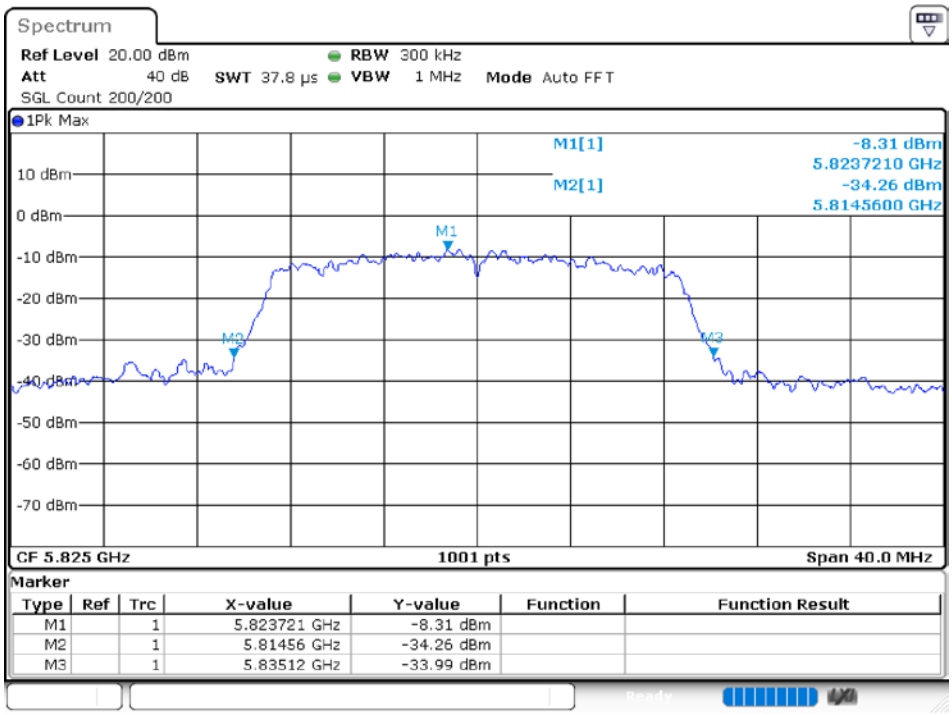
-26 dB BW NVNT 802.11ac20 5785MHz Ant1



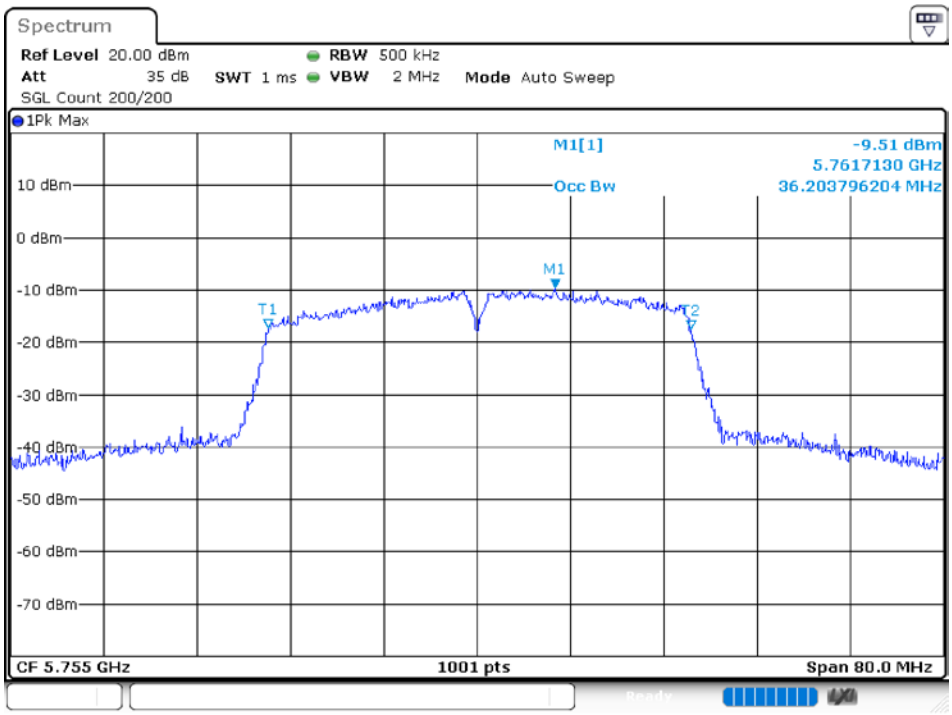
OBW NVNT 802.11ac20 5825MHz Ant1



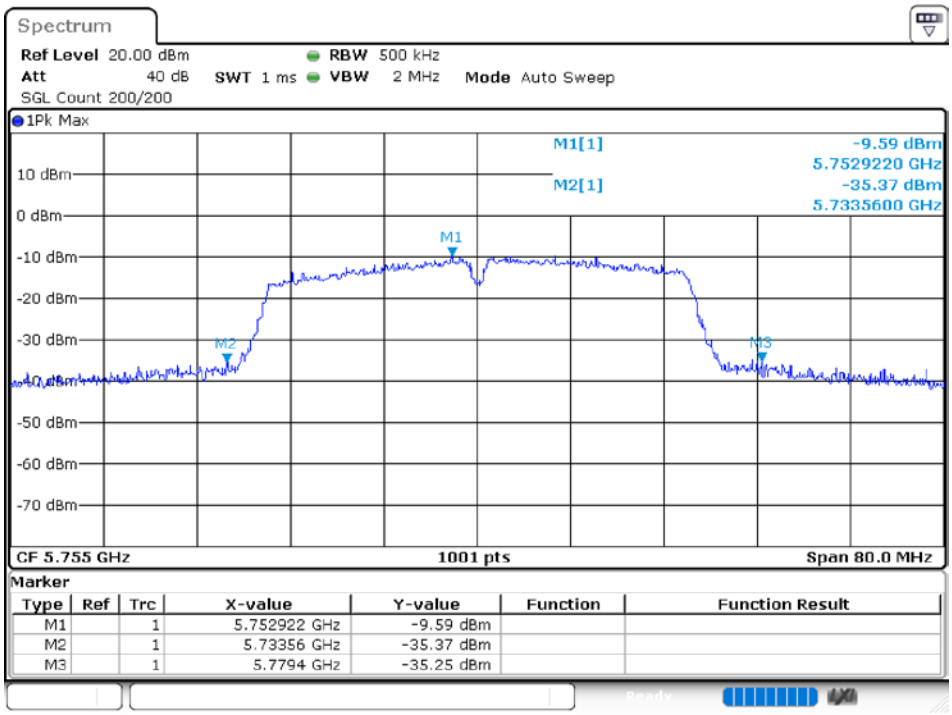
-26 dB BW NVNT 802.11ac20 5825MHz Ant1



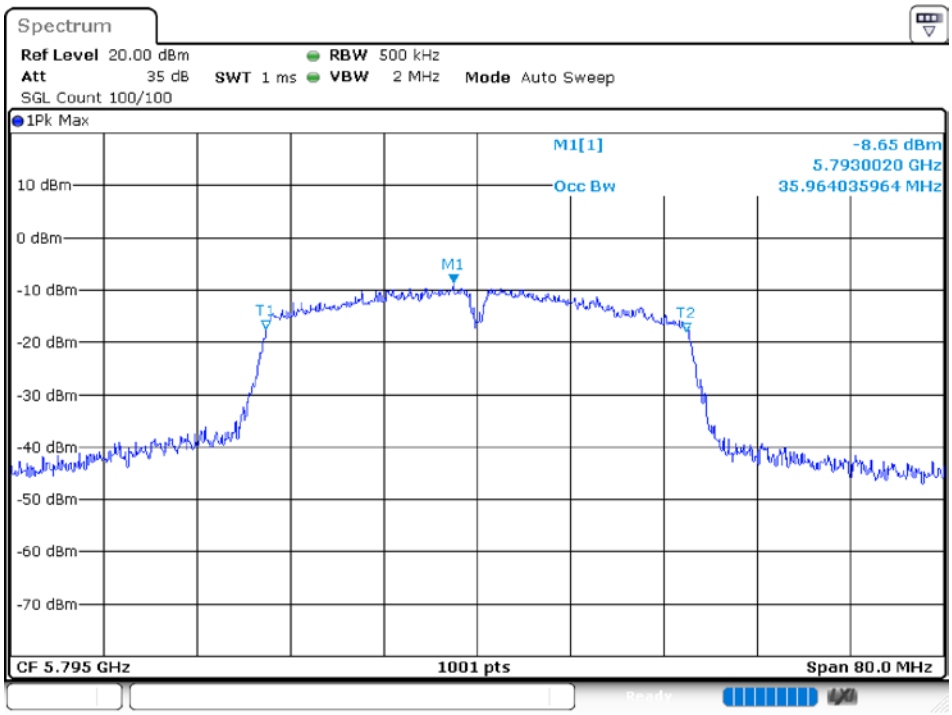
OBW NVNT 802.11ac40 5755MHz Ant1



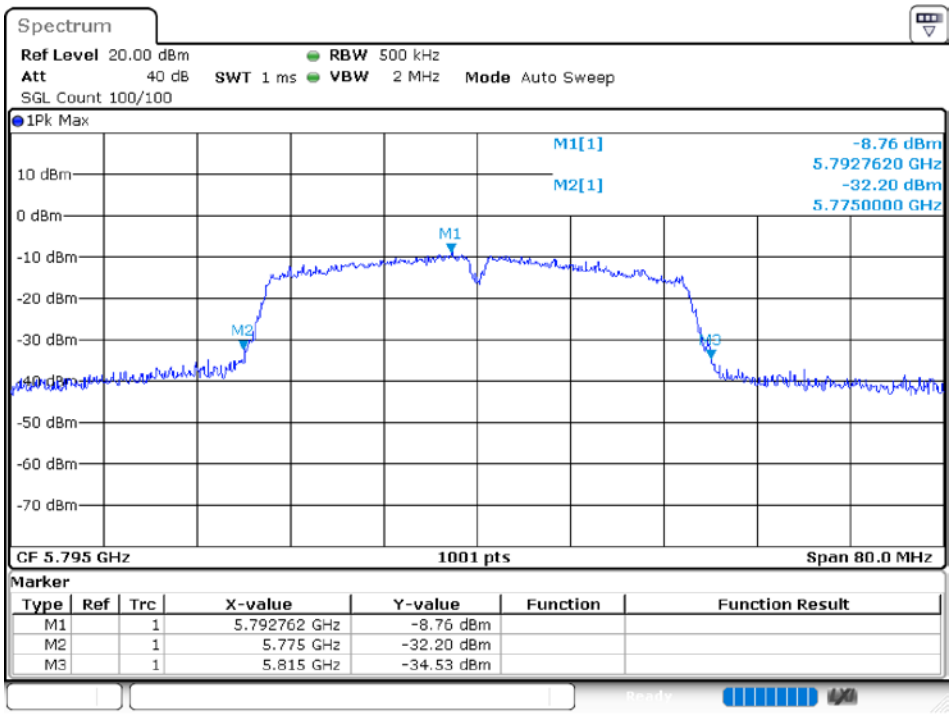
-26 dB BW NVNT 802.11ac40 5755MHz Ant1



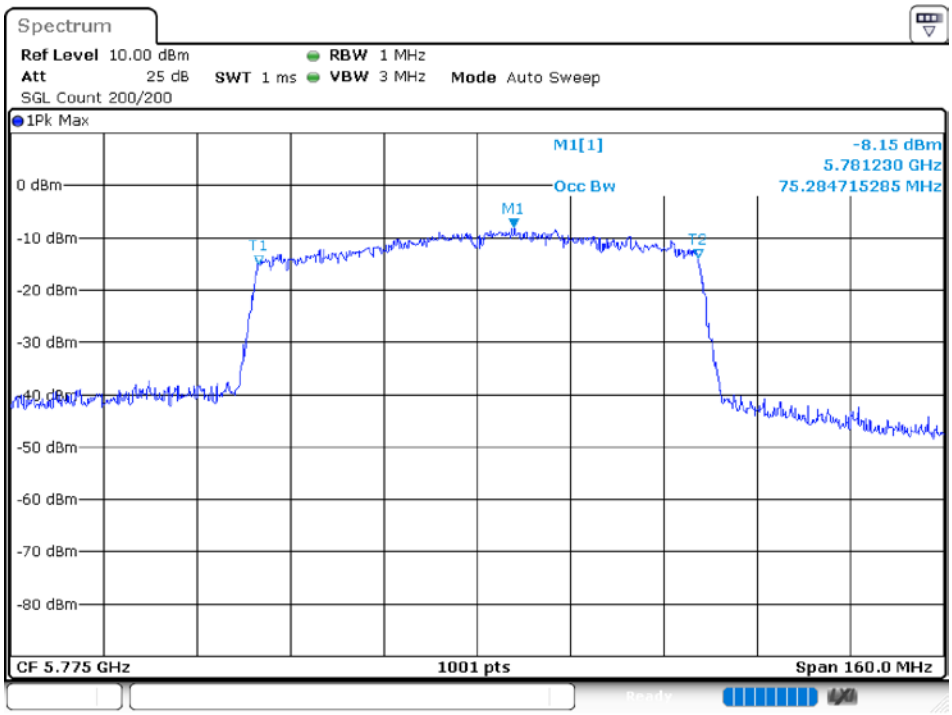
OBW NVNT 802.11ac40 5795MHz Ant1



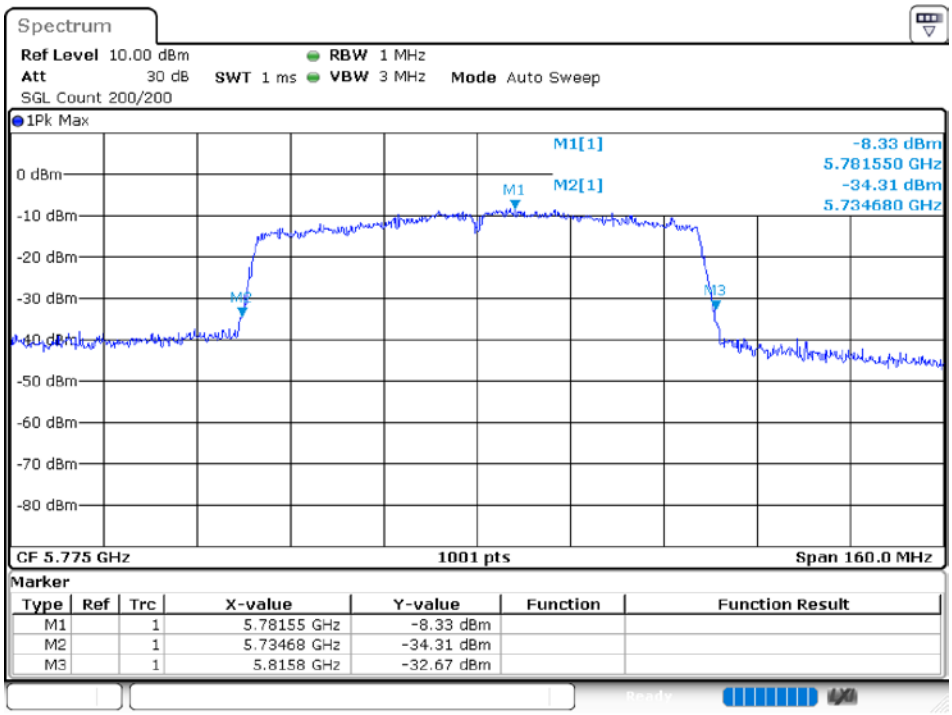
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



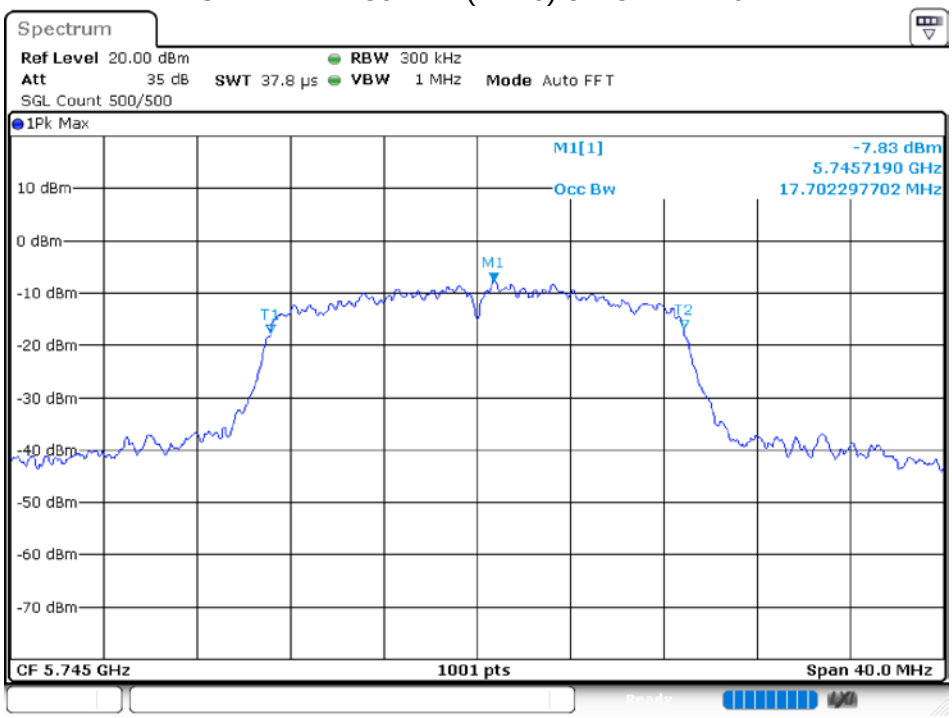
OBW NVNT 802.11ac80 5775MHz Ant1



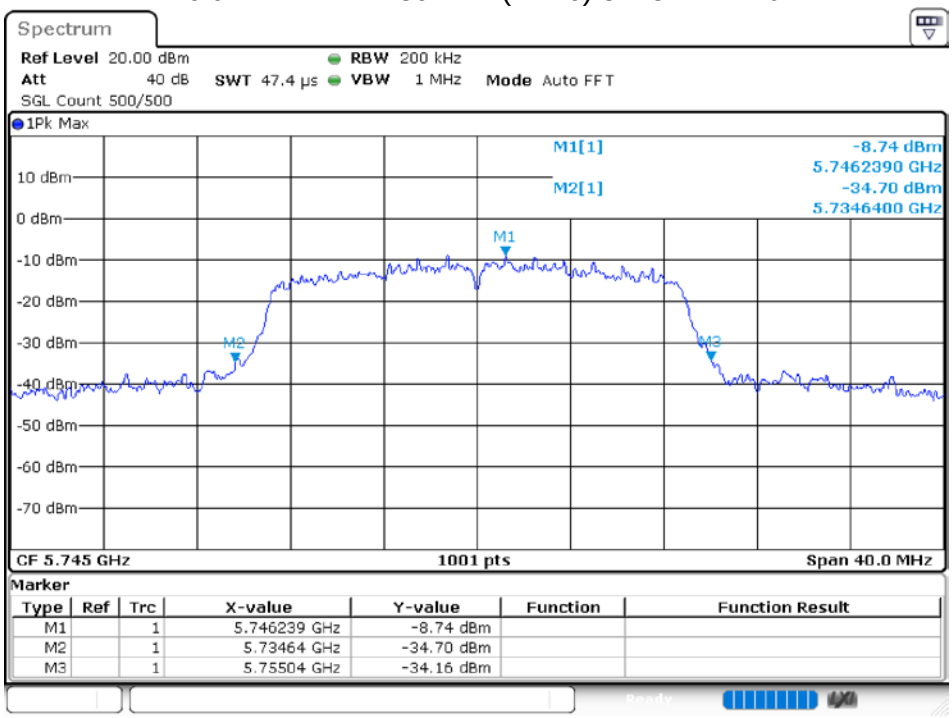
-26 dB BW NVNT 802.11ac80 5775MHz Ant1



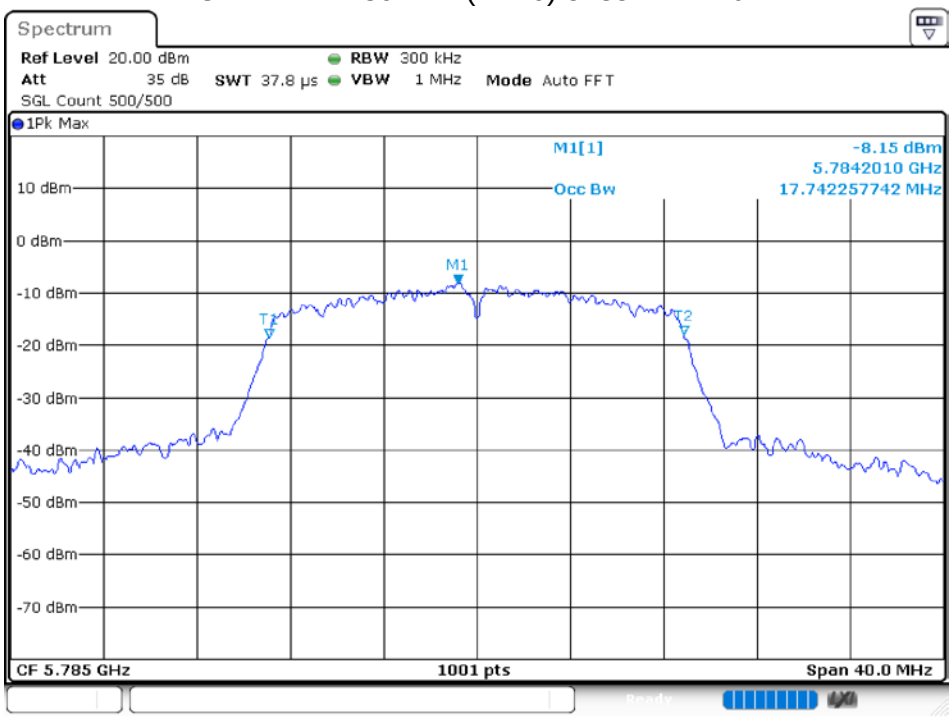
OBW NVNT 802.11n(HT20) 5745MHz Ant1



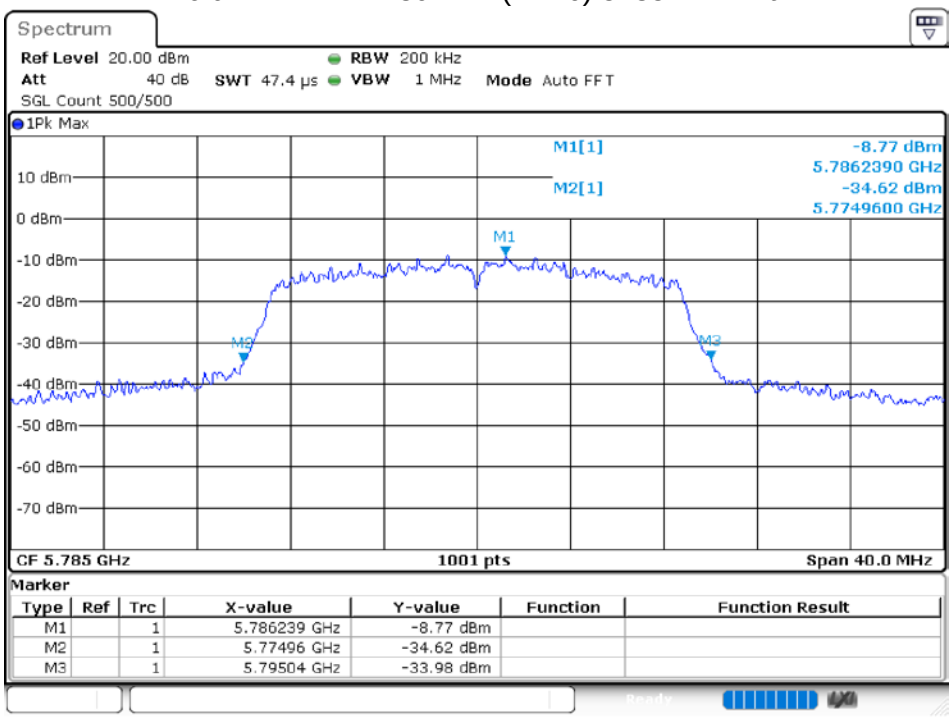
-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1



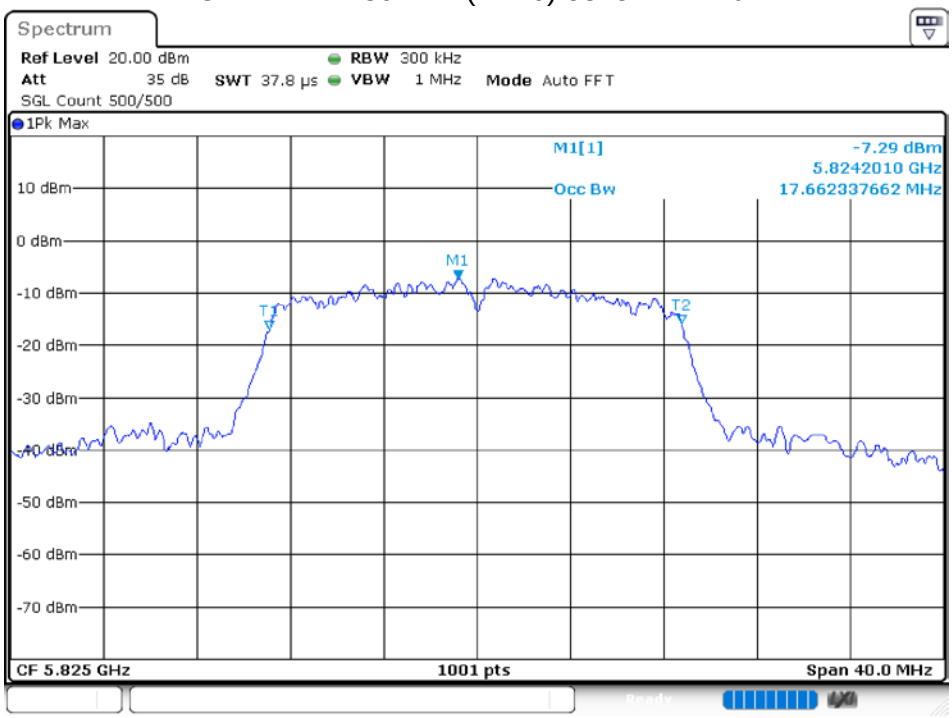
OBW NVNT 802.11n(HT20) 5785MHz Ant1



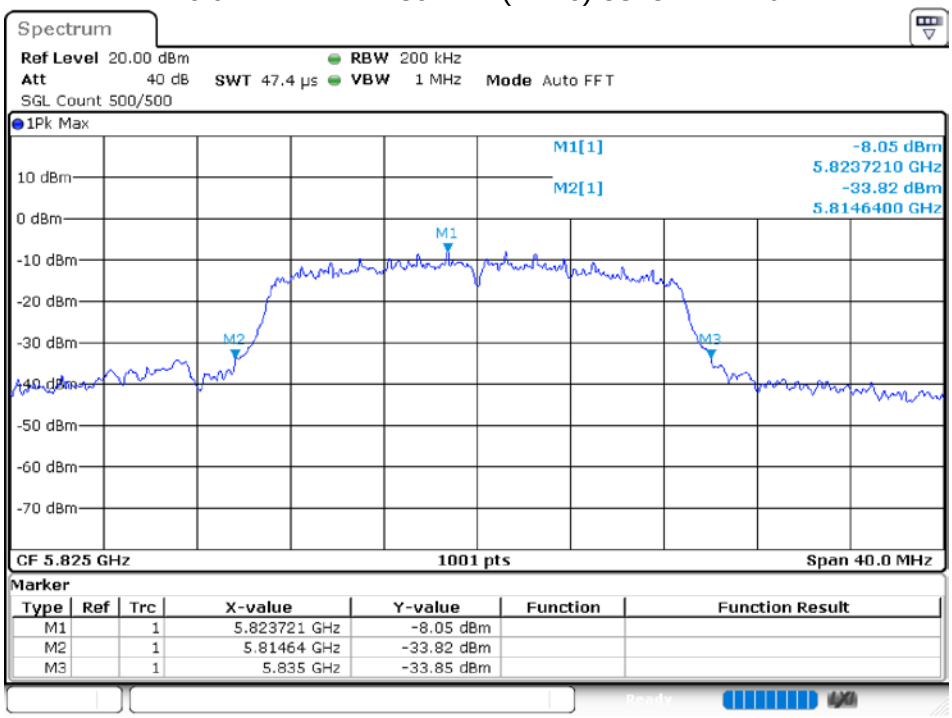
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



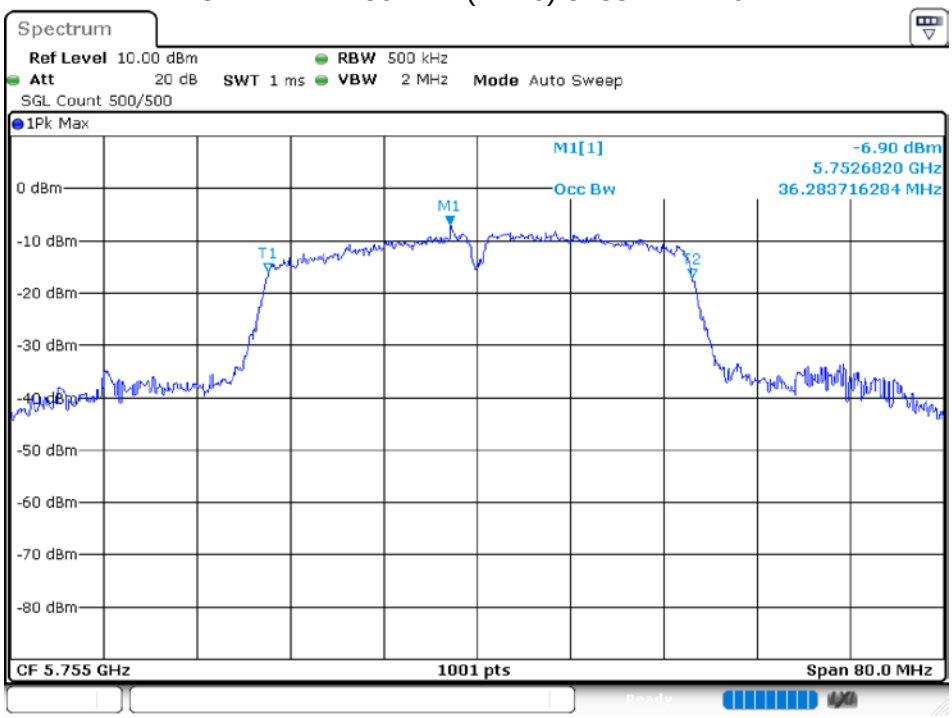
OBW NVNT 802.11n(HT20) 5825MHz Ant1



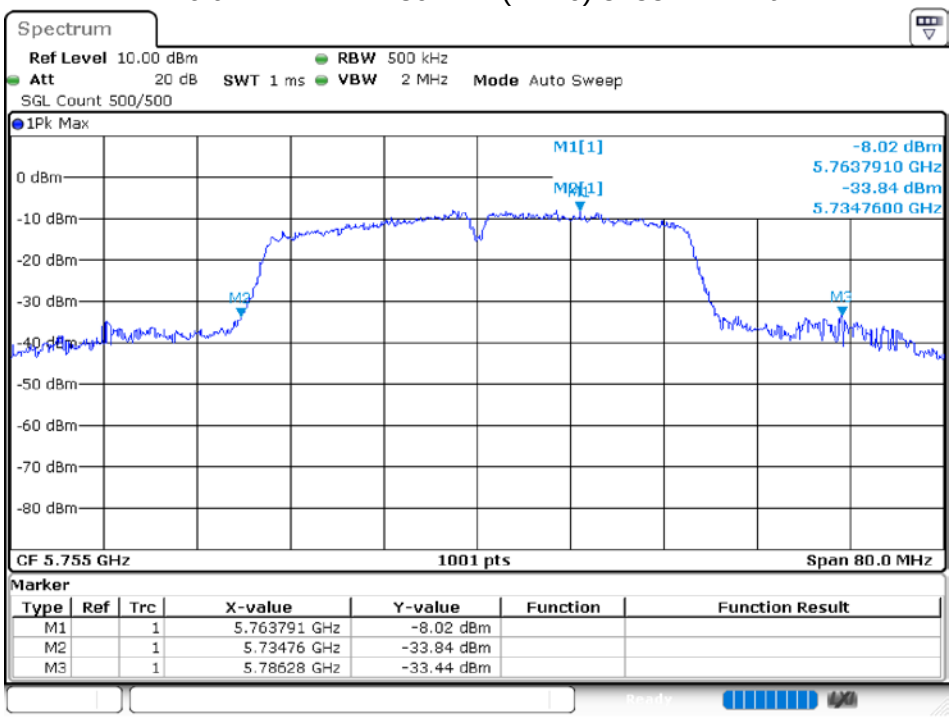
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



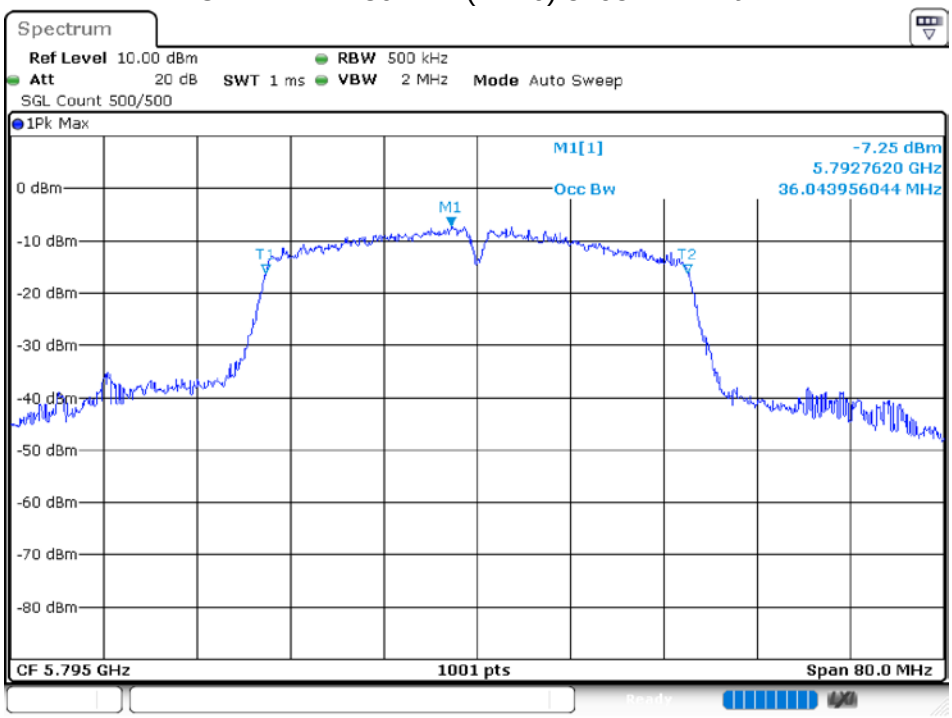
OBW NVNT 802.11n(HT40) 5755MHz Ant1



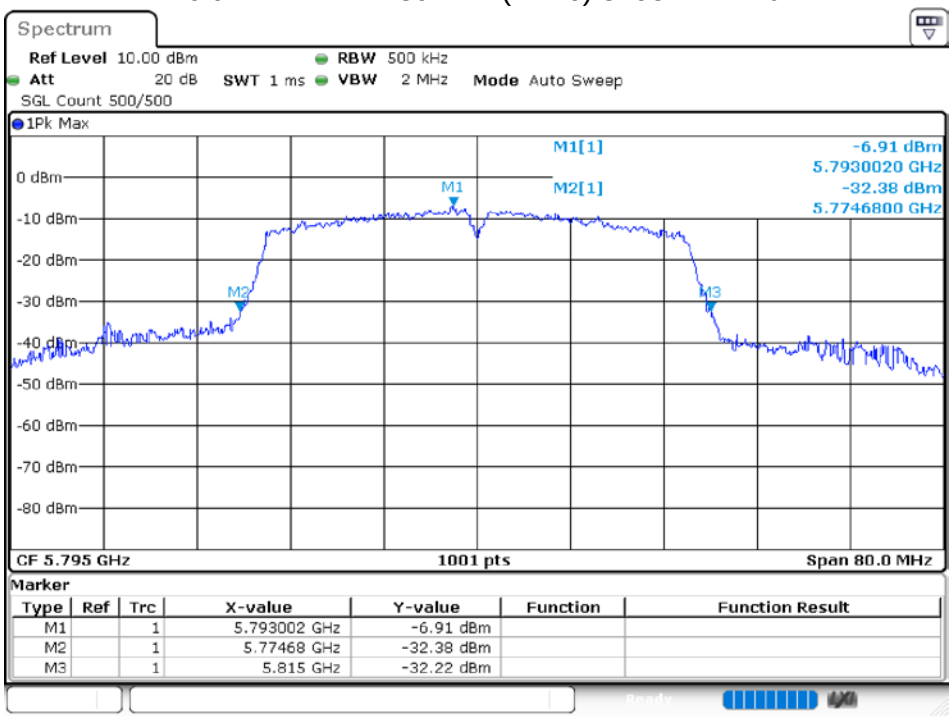
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1



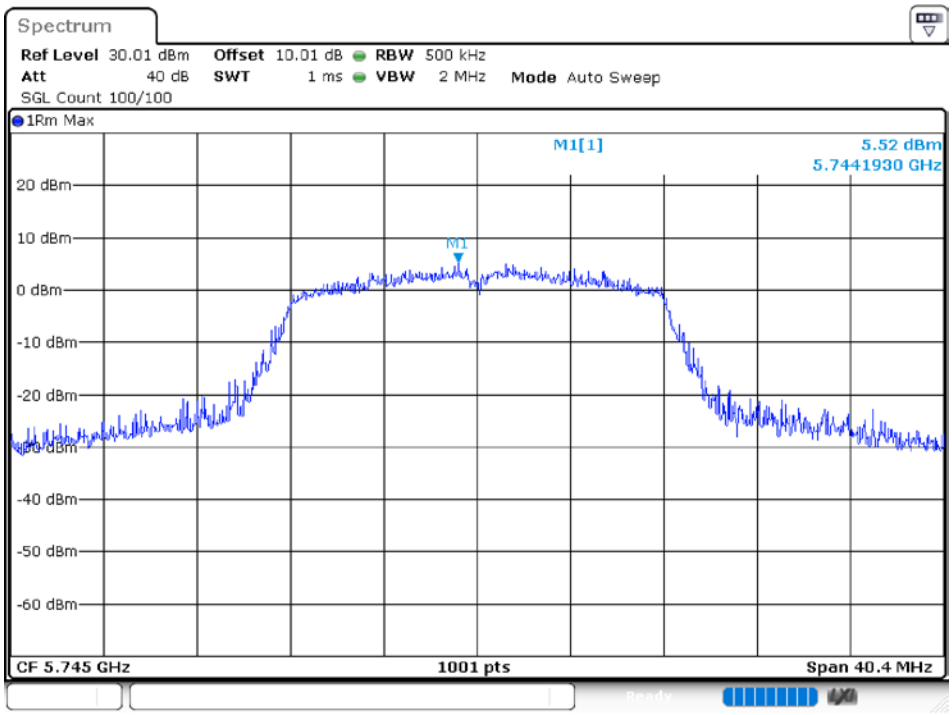
-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1



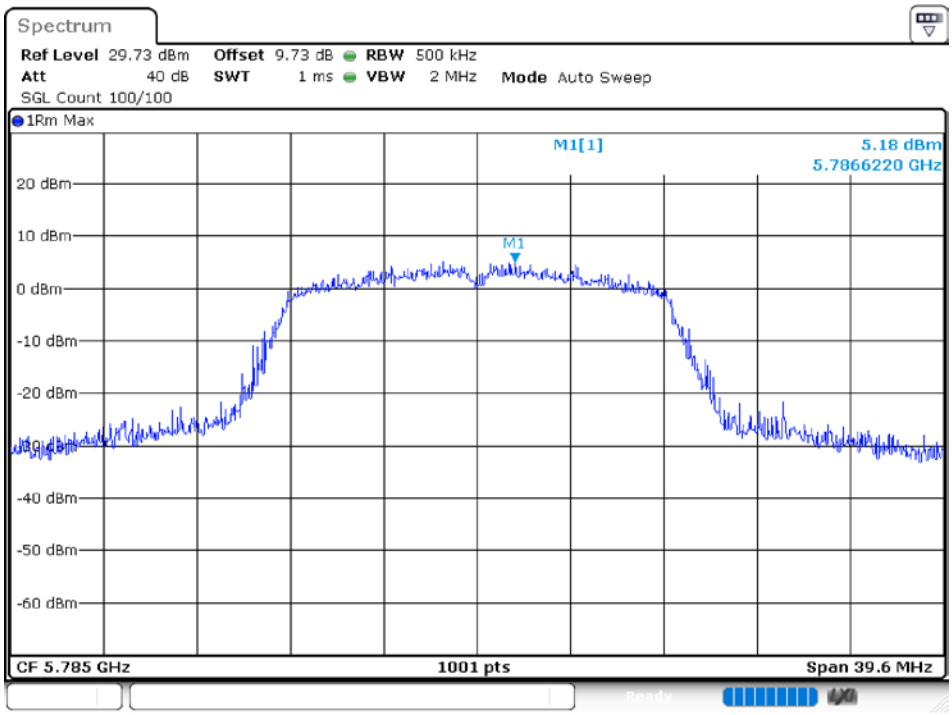
5.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	5.516	30	Pass
NVNT	802.11a	5785	Ant 1	5.18	30	Pass
NVNT	802.11a	5825	Ant 1	5.127	30	Pass
NVNT	802.11ac20	5745	Ant 1	4.108	30	Pass
NVNT	802.11ac20	5785	Ant 1	3.693	30	Pass
NVNT	802.11ac20	5825	Ant 1	4.424	30	Pass
NVNT	802.11ac40	5755	Ant 1	0.057	30	Pass
NVNT	802.11ac40	5795	Ant 1	1.021	30	Pass
NVNT	802.11ac80	5775	Ant 1	-2.786	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	3.529	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	3.727	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	4.332	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	0.958	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	1.763	30	Pass

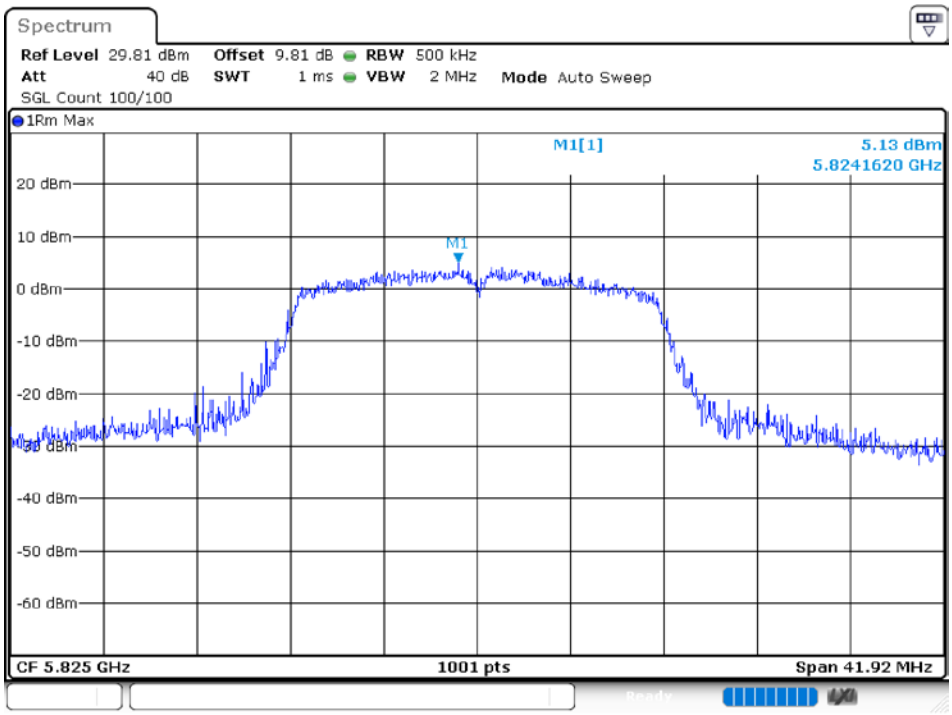
PSD NVNT 802.11a 5745MHz Ant1



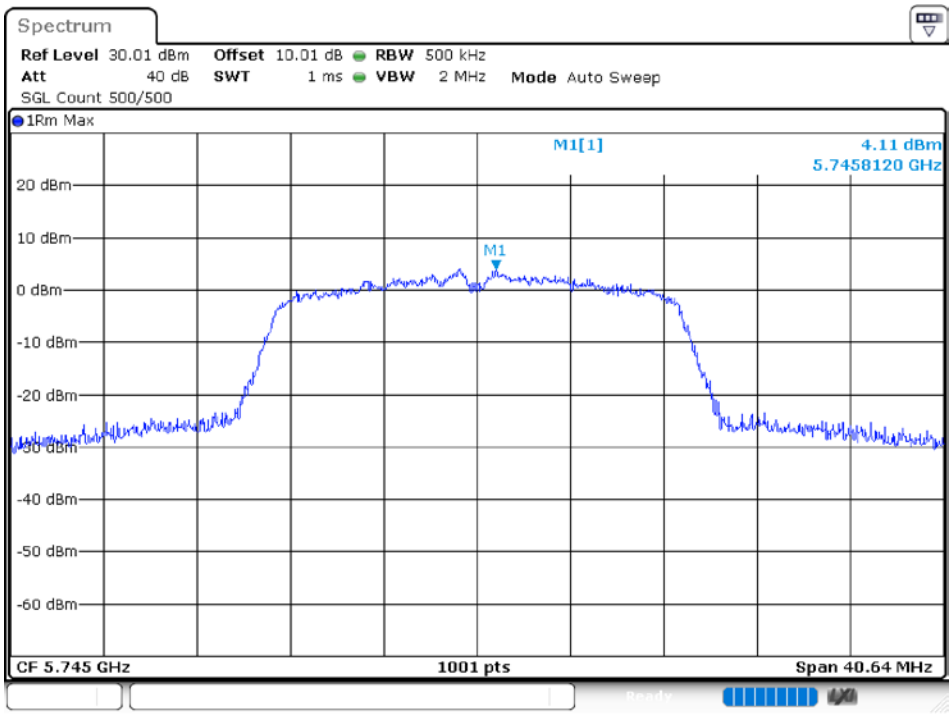
PSD NVNT 802.11a 5785MHz Ant1



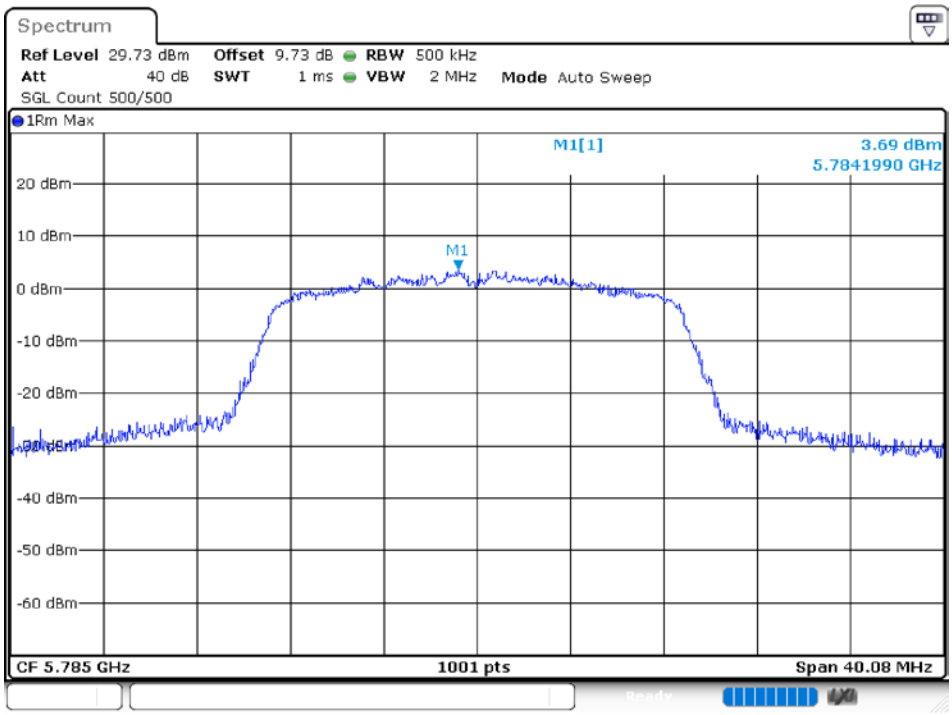
PSD NVNT 802.11a 5825MHz Ant1



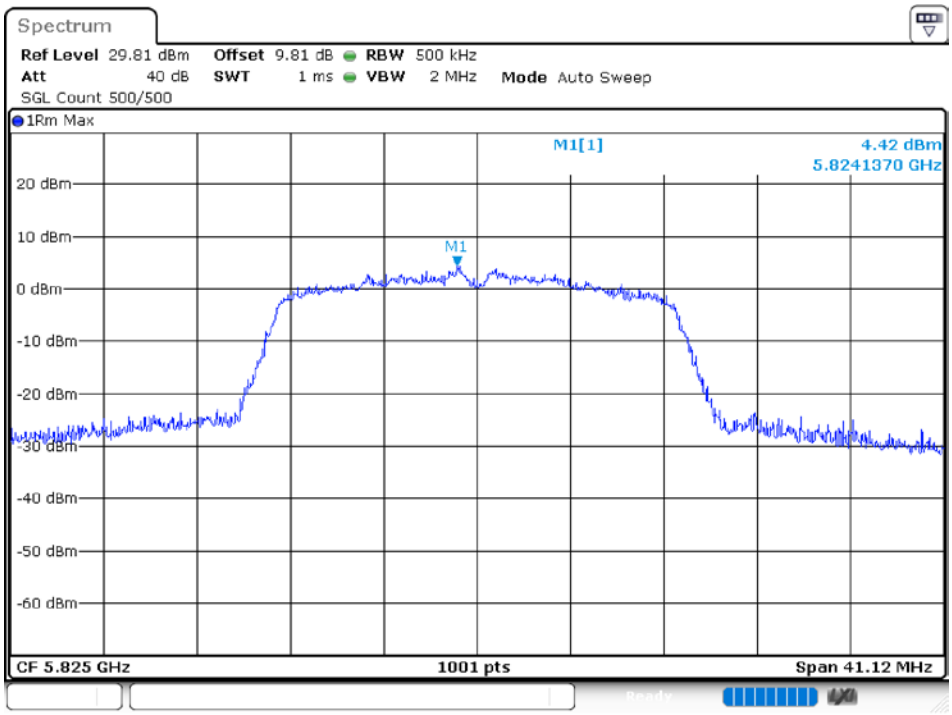
PSD NVNT 802.11ac20 5745MHz Ant1



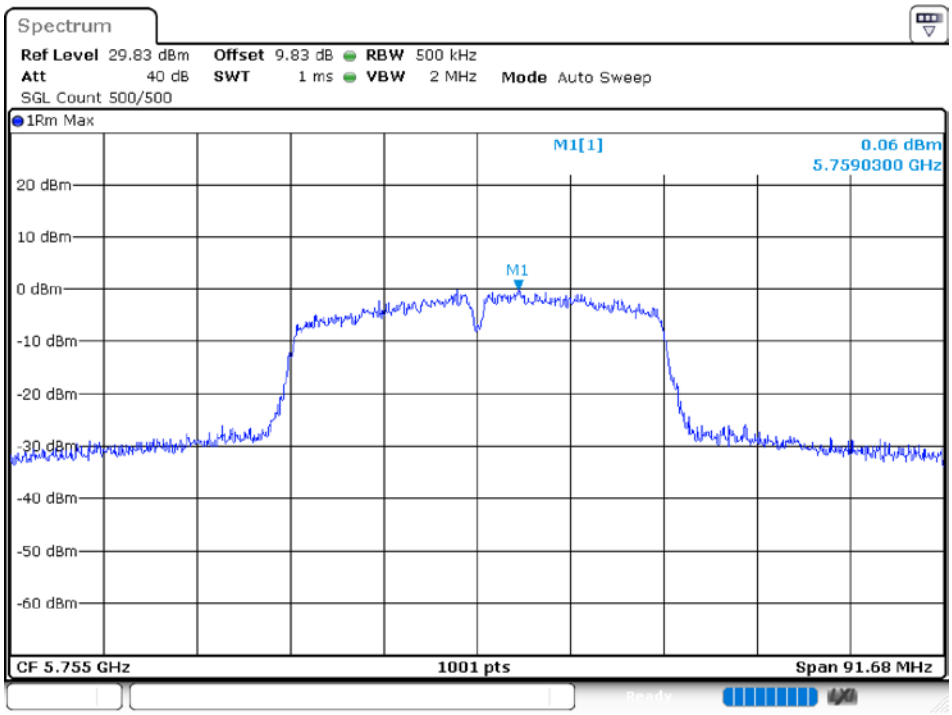
PSD NVNT 802.11ac20 5785MHz Ant1



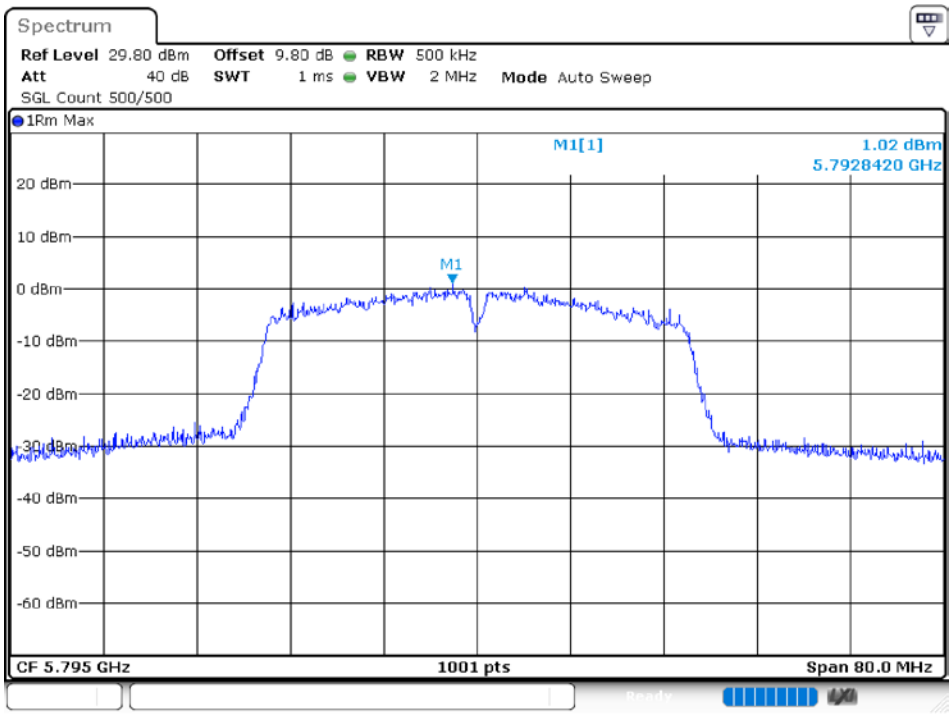
PSD NVNT 802.11ac20 5825MHz Ant1



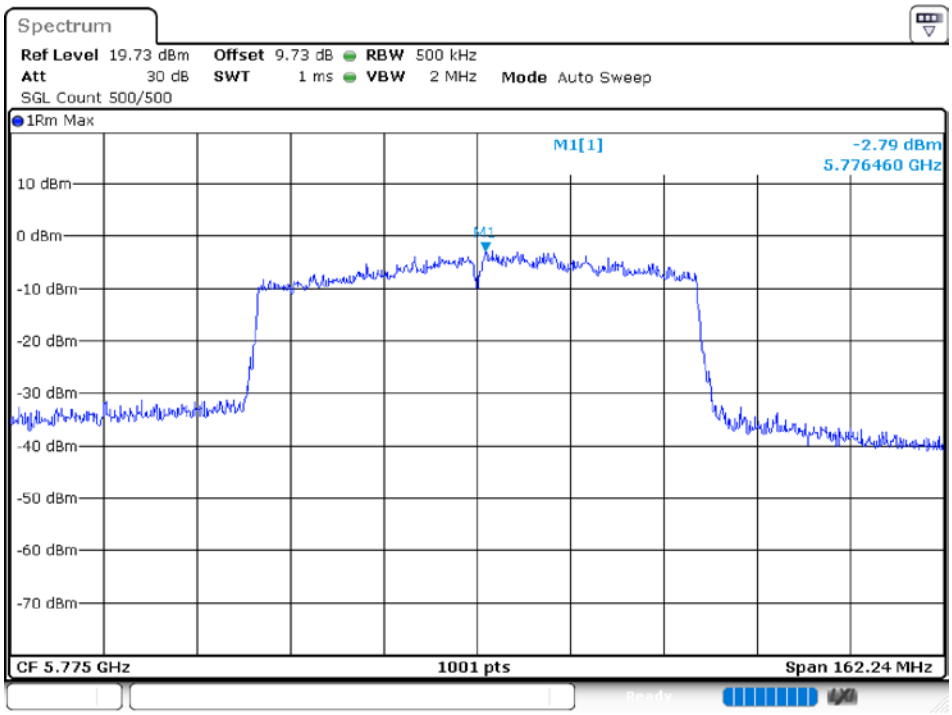
PSD NVNT 802.11ac40 5755MHz Ant1



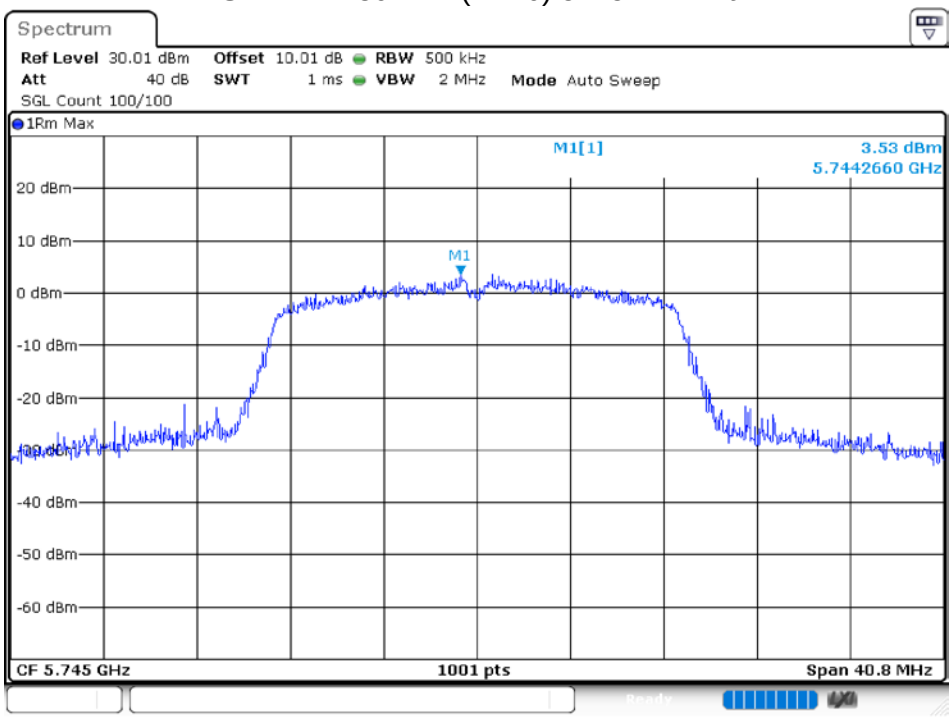
PSD NVNT 802.11ac40 5795MHz Ant1



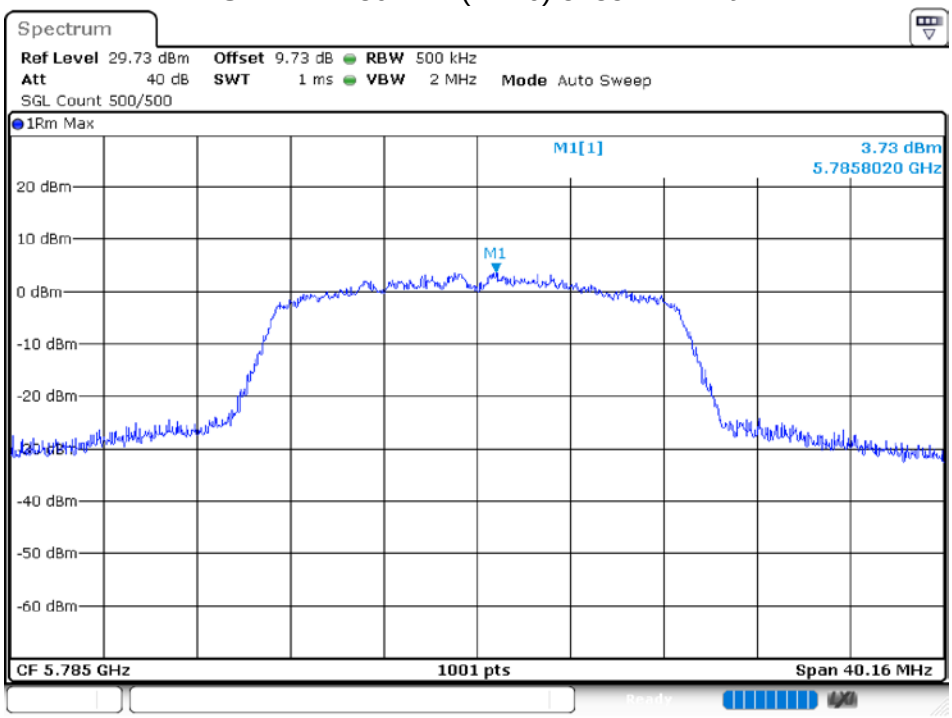
PSD NVNT 802.11ac80 5775MHz Ant1



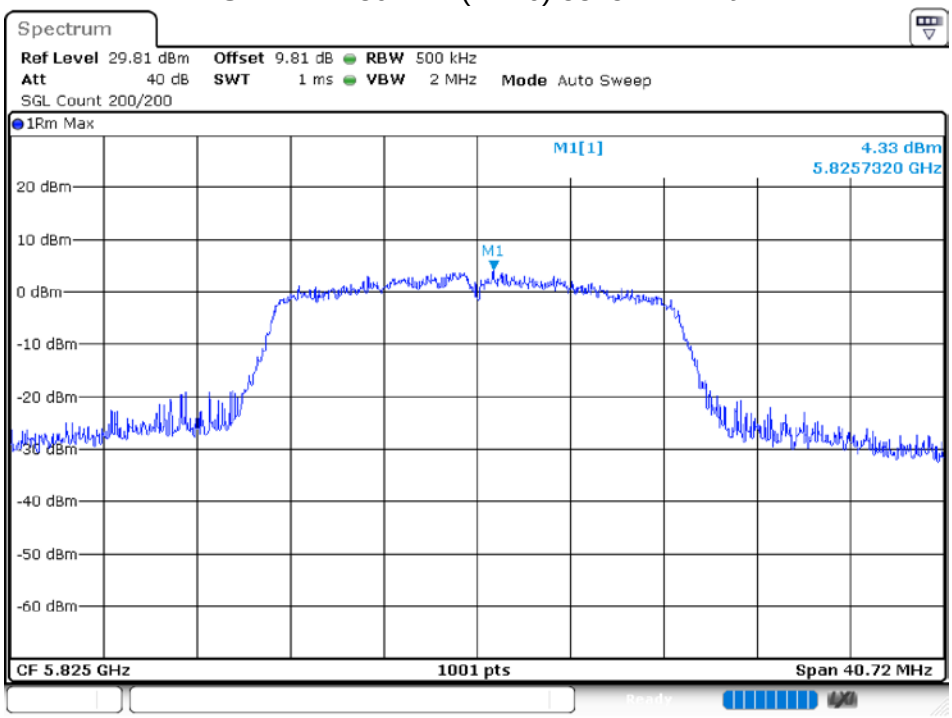
PSD NVNT 802.11n(HT20) 5745MHz Ant1



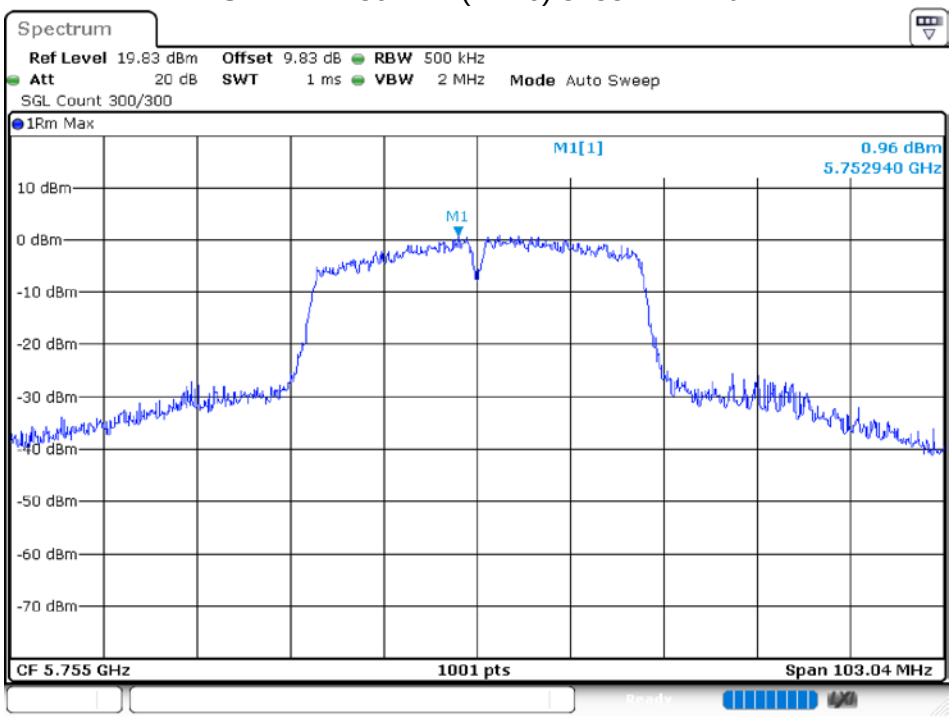
PSD NVNT 802.11n(HT20) 5785MHz Ant1



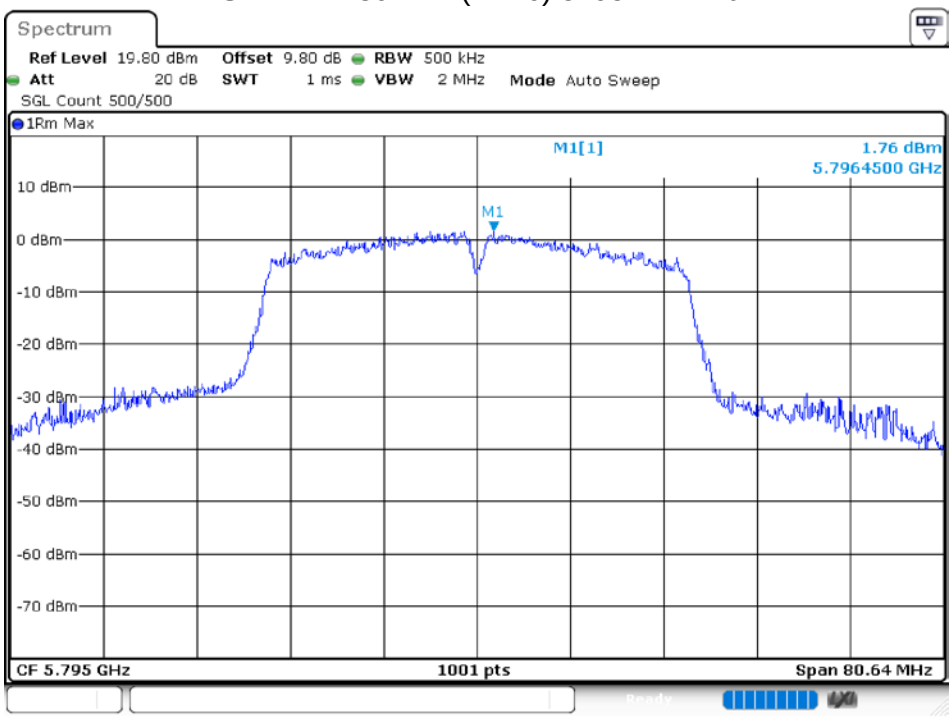
PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1



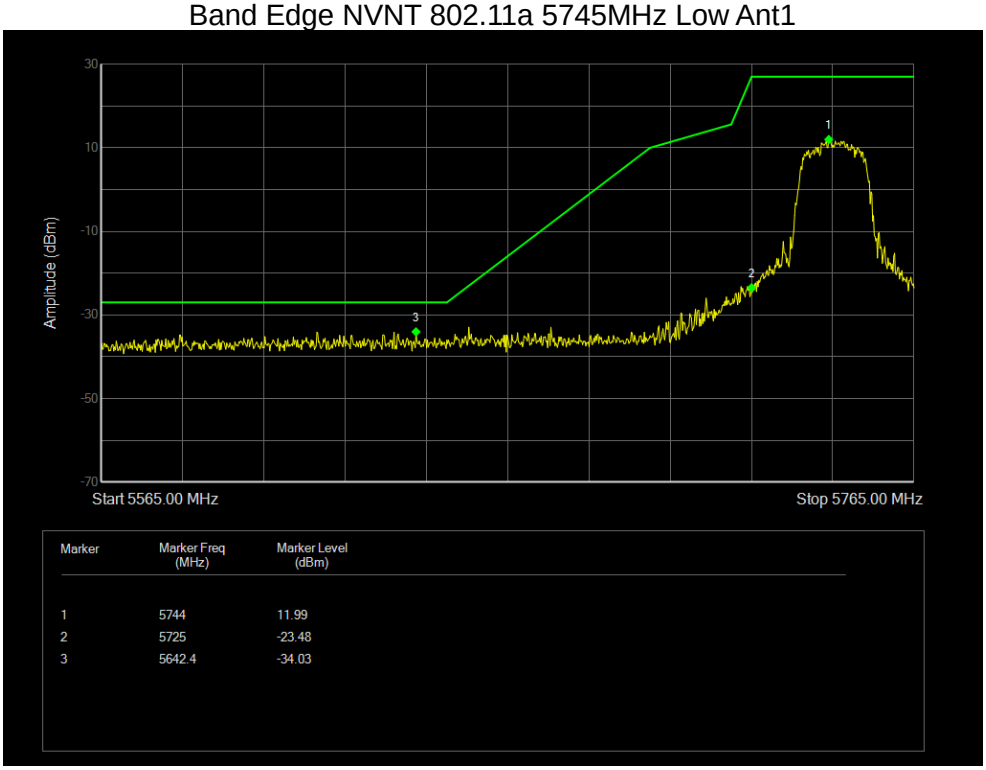
PSD NVNT 802.11n(HT40) 5795MHz Ant1



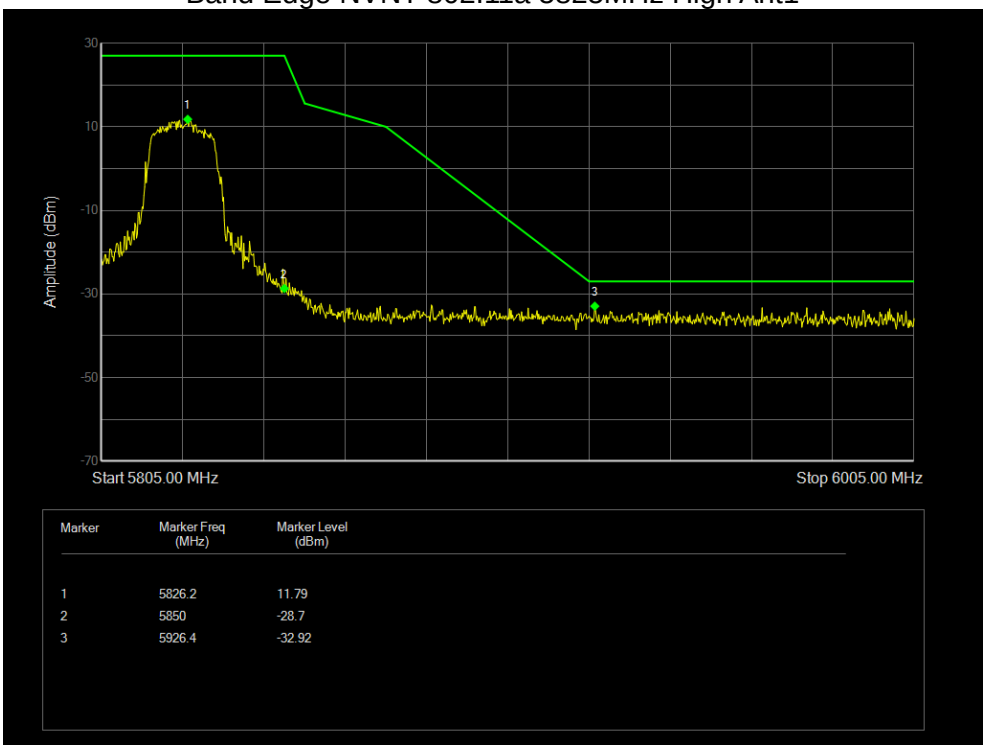
5.6 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-34.03	Pass
NVNT	802.11a	5825	Ant 1	-32.92	Pass
NVNT	802.11ac20	5745	Ant 1	-33.95	Pass
NVNT	802.11ac20	5825	Ant 1	-32.79	Pass
NVNT	802.11ac40	5755	Ant 1	-34.2	Pass
NVNT	802.11ac40	5795	Ant 1	-32.92	Pass
NVNT	802.11ac80	5775	Ant 1	-34.15	Pass
NVNT	802.11ac80	5775	Ant 1	-33.17	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-33.74	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-33.16	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-34.75	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-33.66	Pass

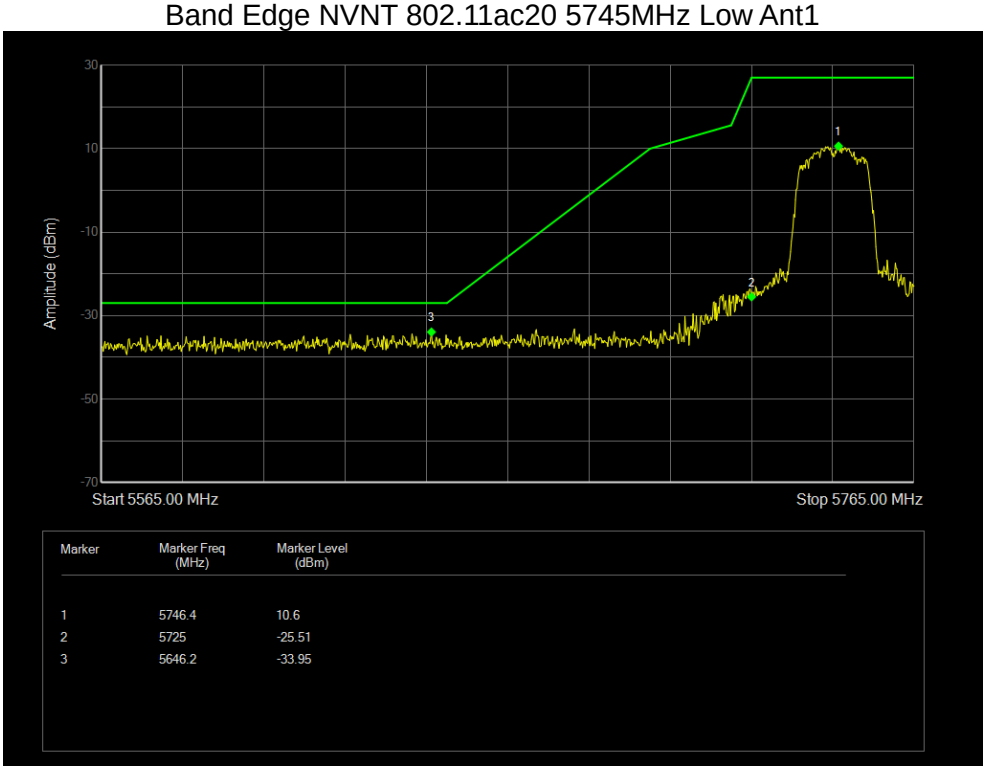
Band Edge NVNT 802.11a 5745MHz Low Ant1



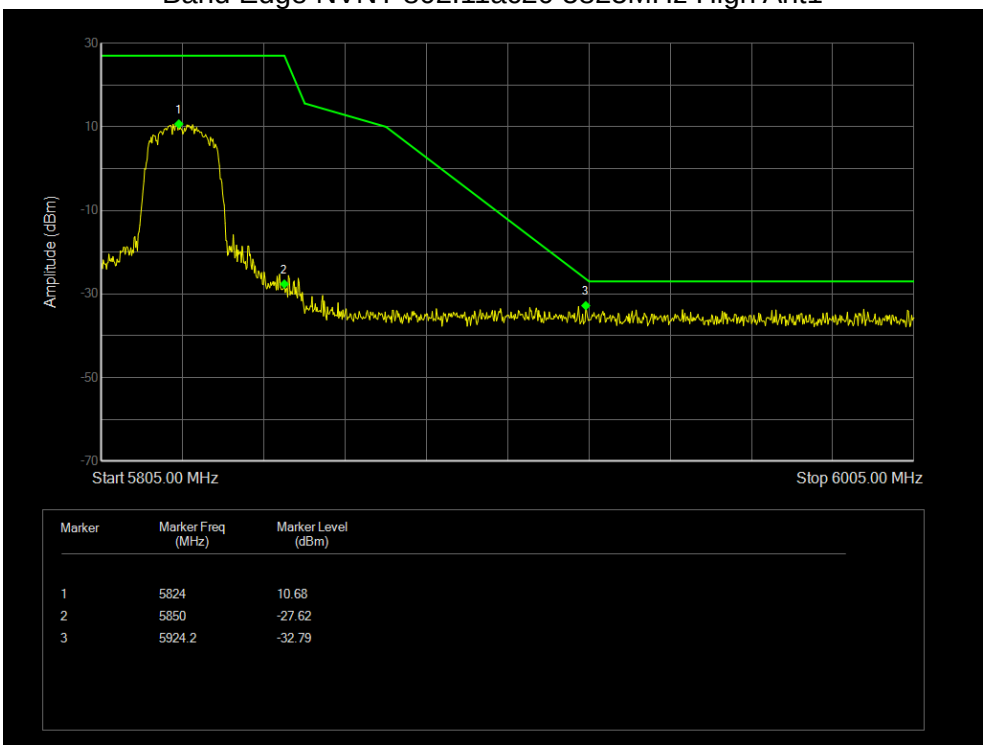
Band Edge NVNT 802.11a 5825MHz High Ant1



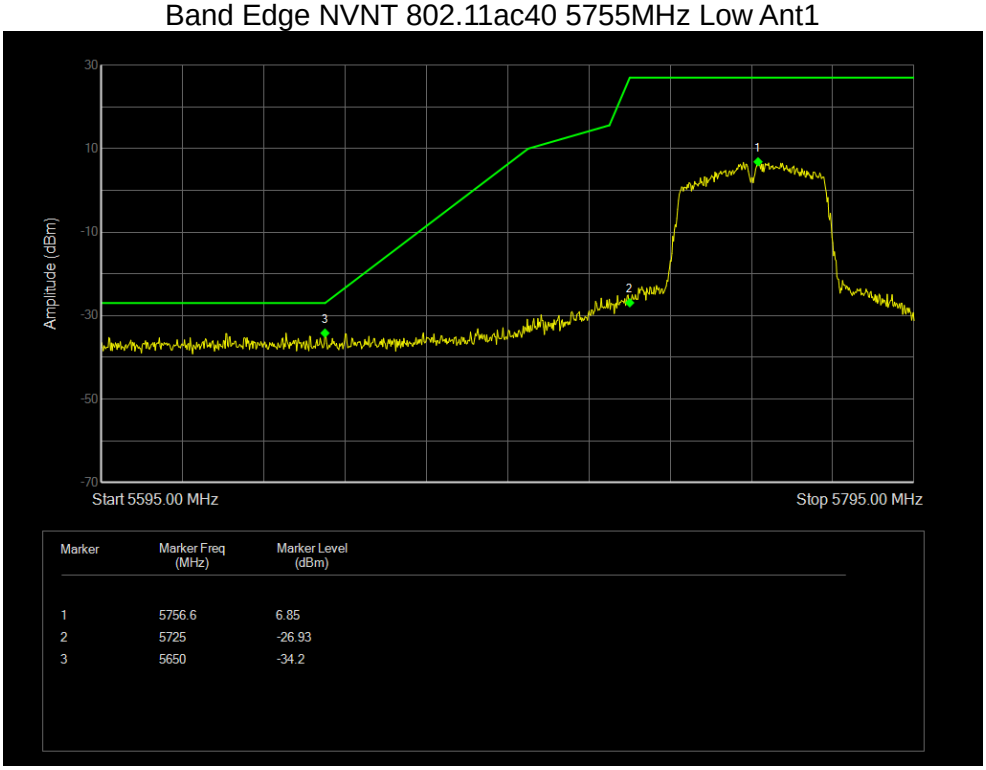
Band Edge NVNT 802.11ac20 5745MHz Low Ant1



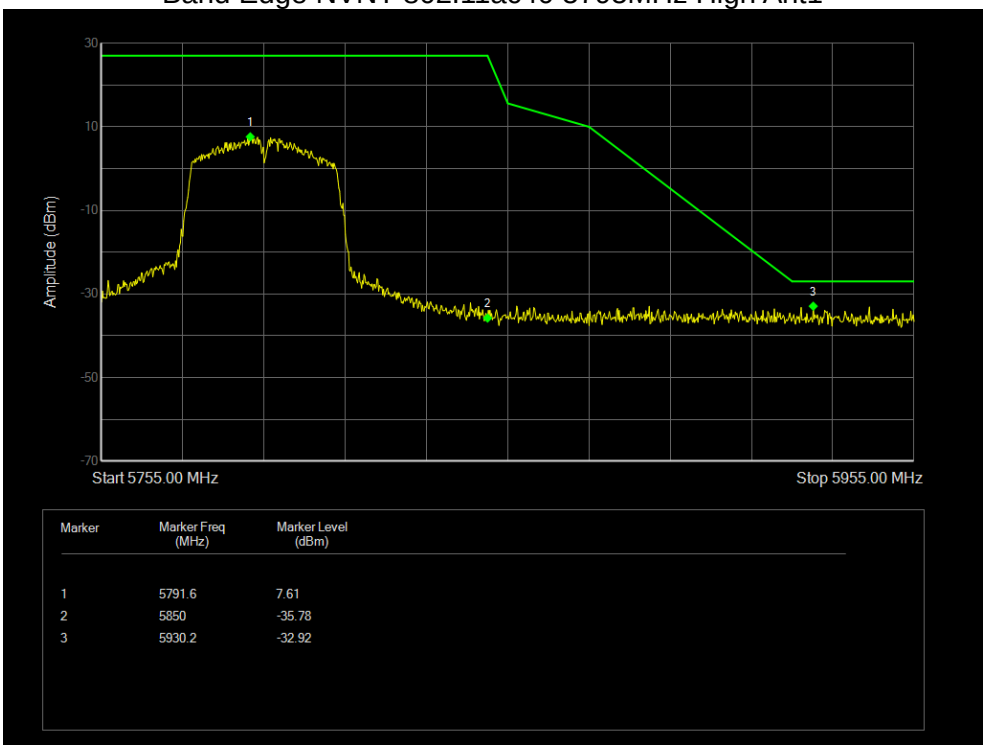
Band Edge NVNT 802.11ac20 5825MHz High Ant1



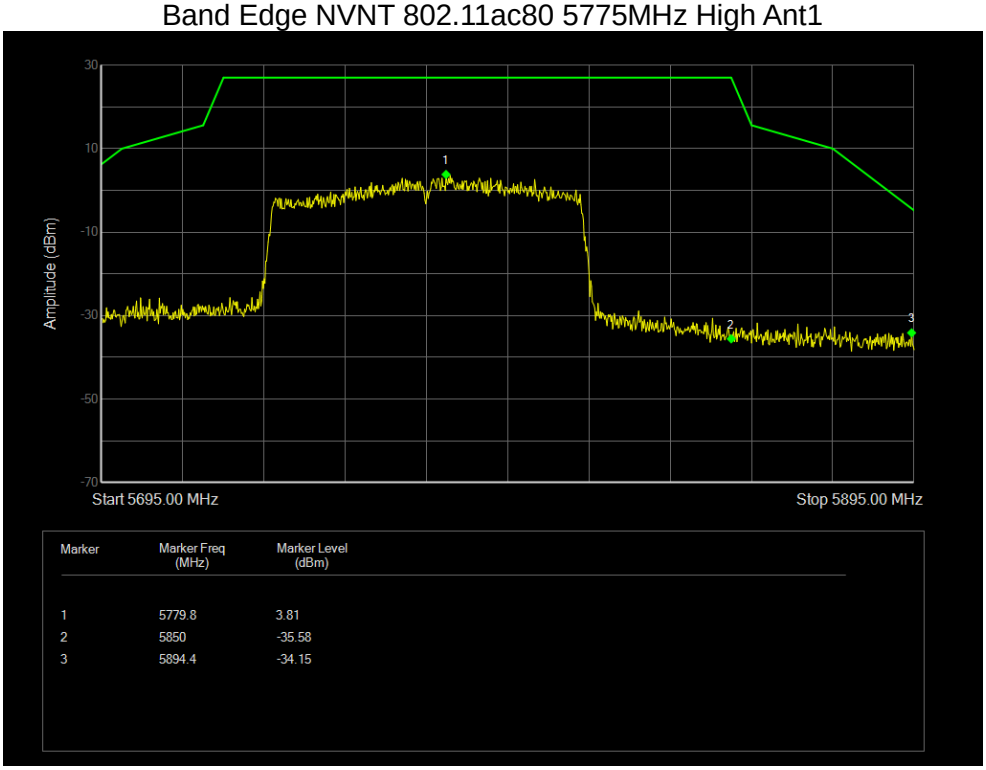
Band Edge NVNT 802.11ac40 5755MHz Low Ant1



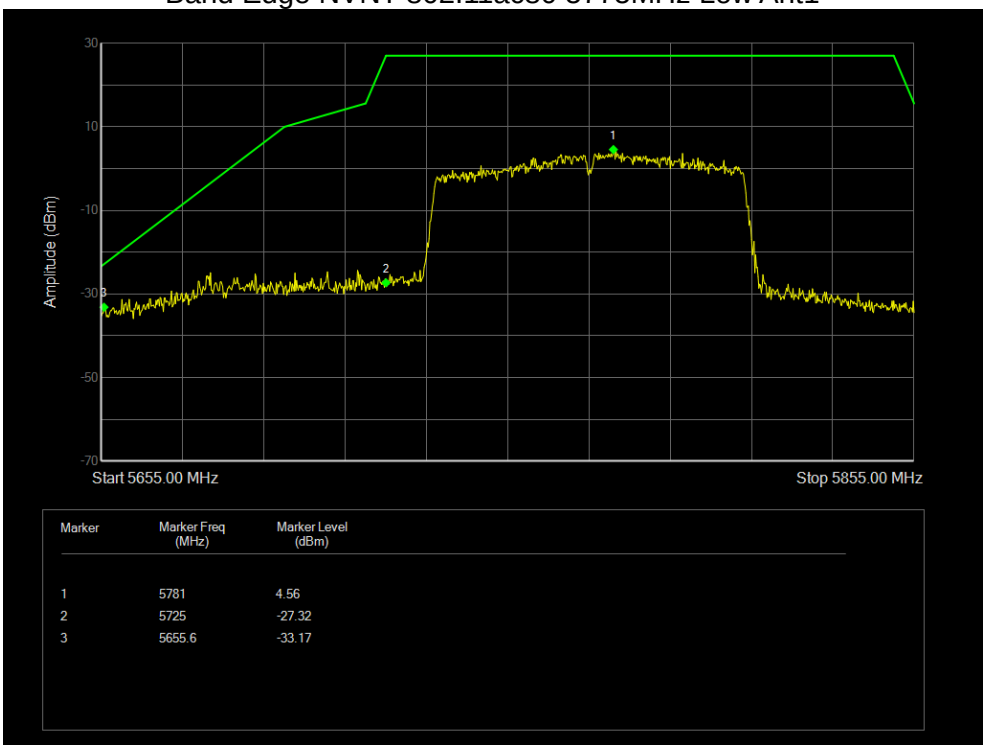
Band Edge NVNT 802.11ac40 5795MHz High Ant1



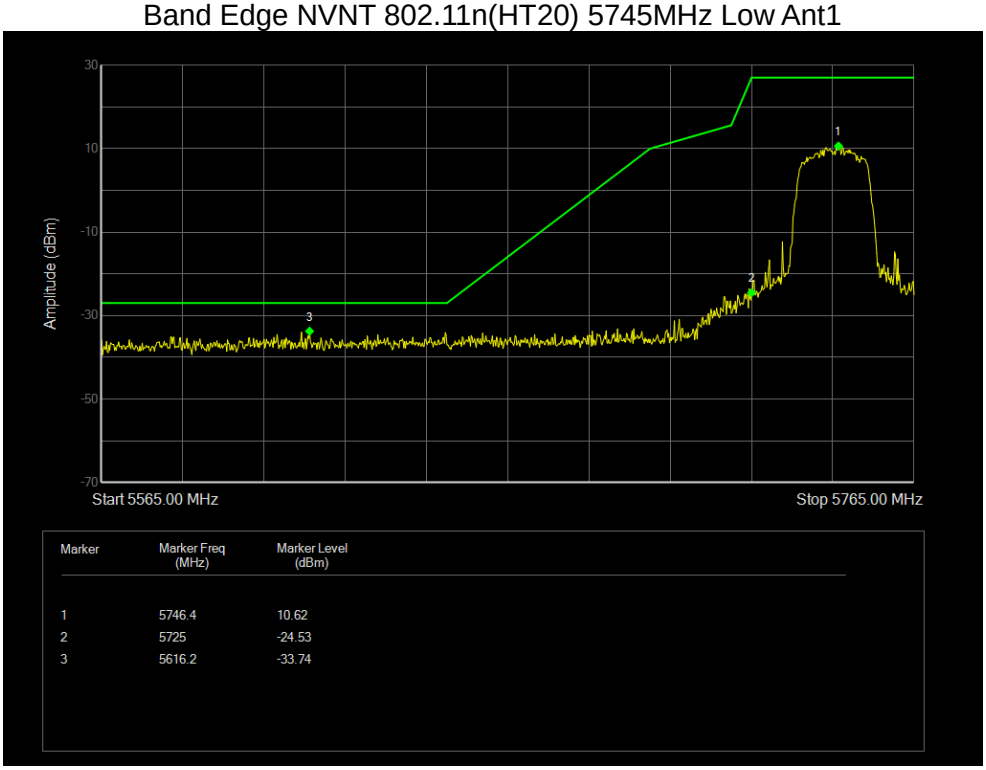
Band Edge NVNT 802.11ac80 5775MHz High Ant1



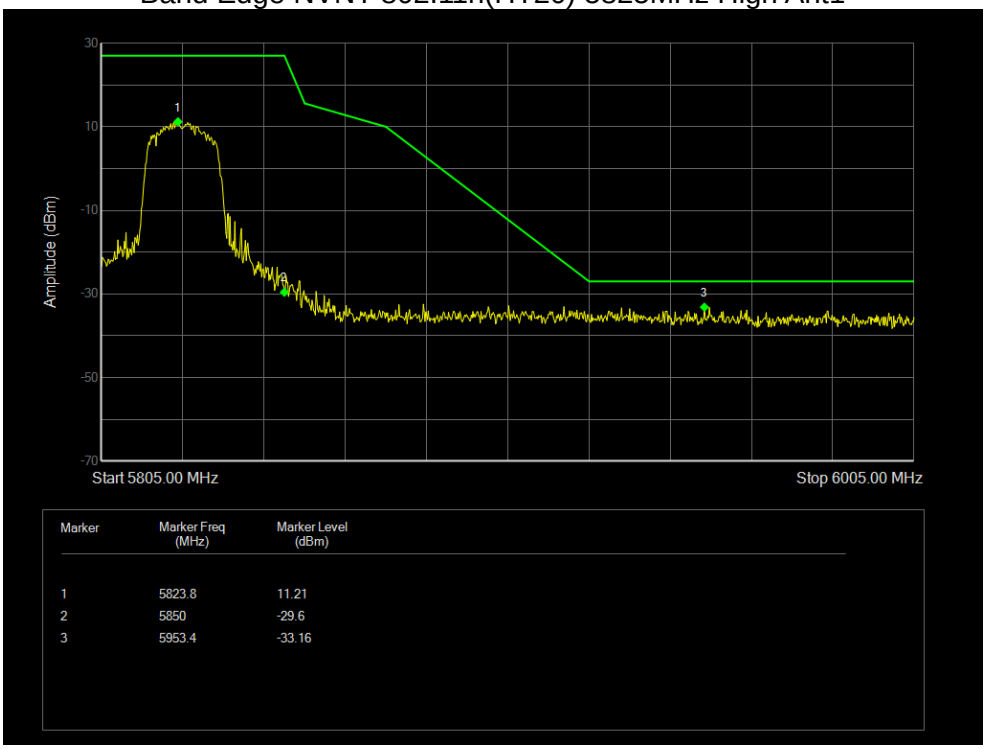
Band Edge NVNT 802.11ac80 5775MHz Low Ant1



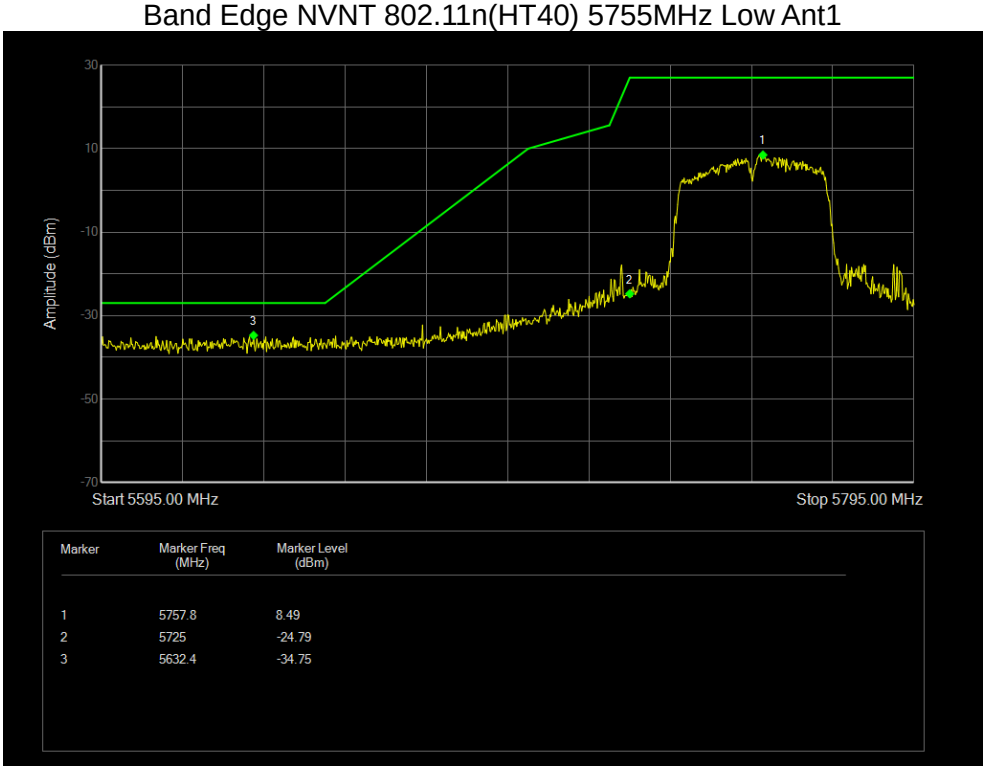
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant1



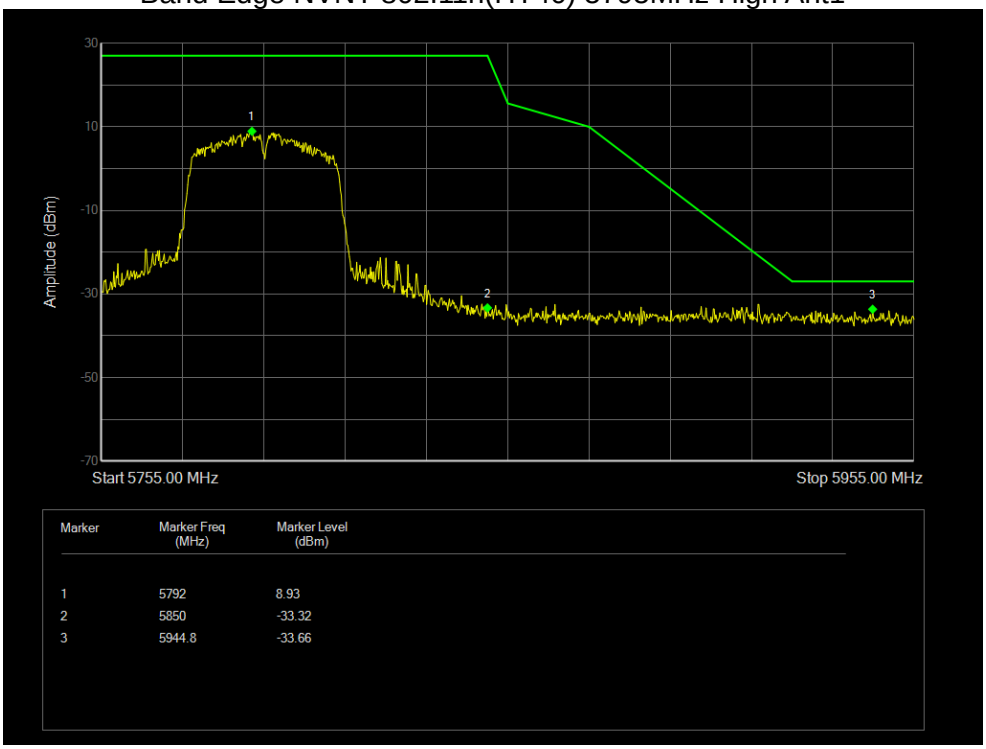
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1



Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant1



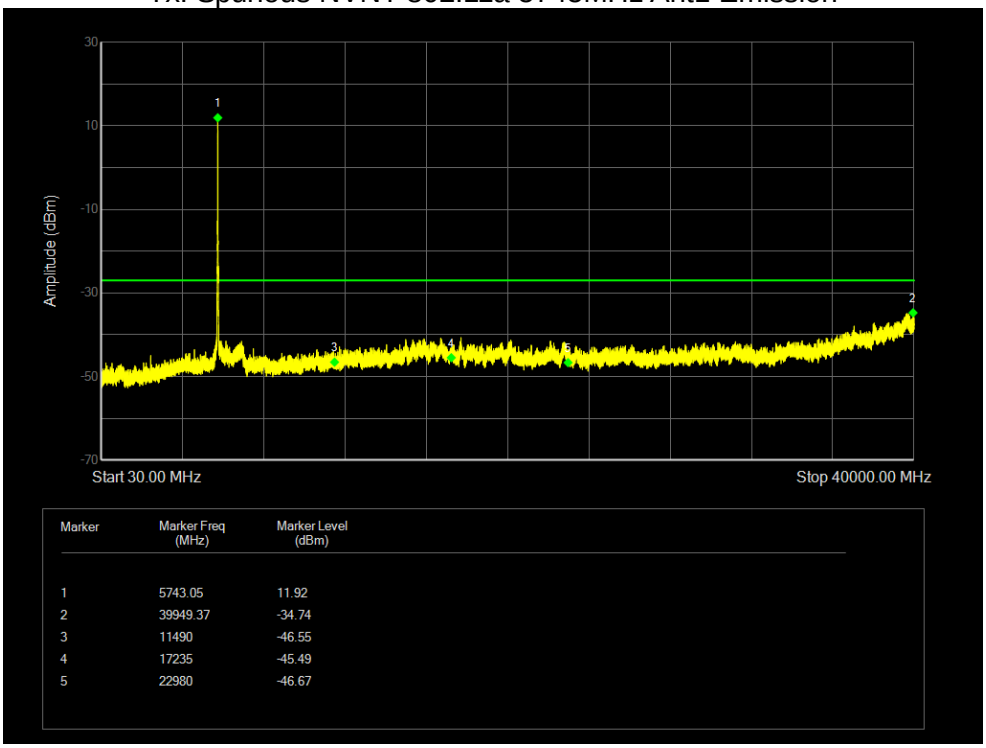
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant1



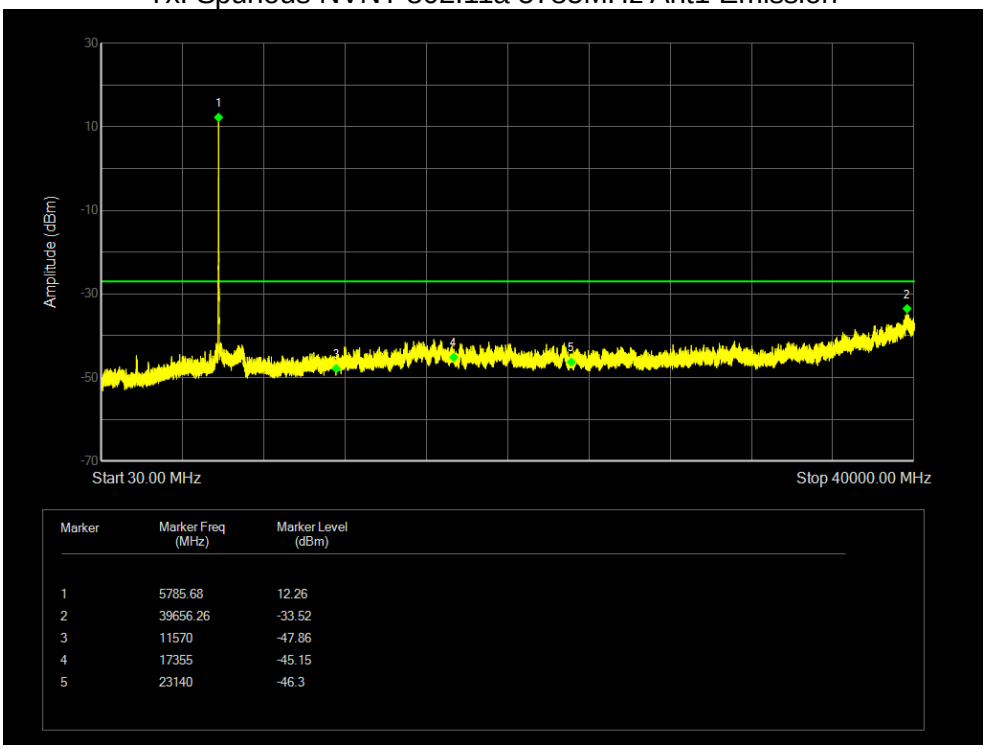
5.7 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 1	-34.74	-27	Pass
NVNT	802.11a	5785	Ant 1	-33.52	-27	Pass
NVNT	802.11a	5825	Ant 1	-34.41	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-34.94	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-34.69	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-34.57	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-35	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-33.61	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-34.31	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-34.14	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-35.21	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-34.5	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-34.78	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-34.5	-27	Pass

Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission

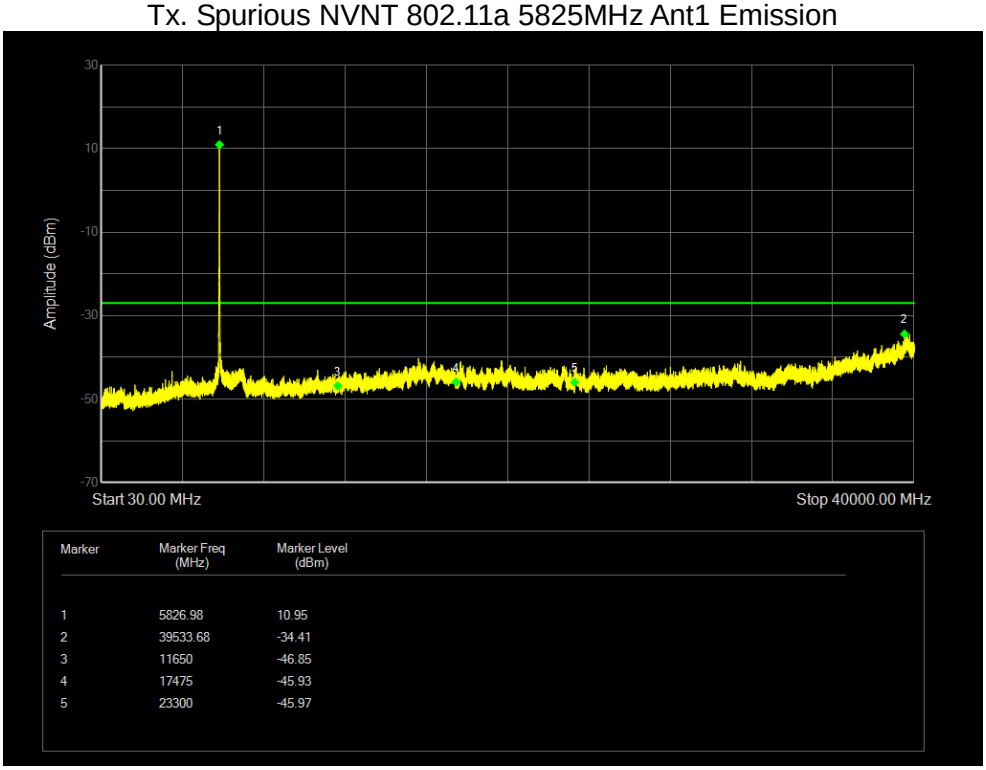


Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



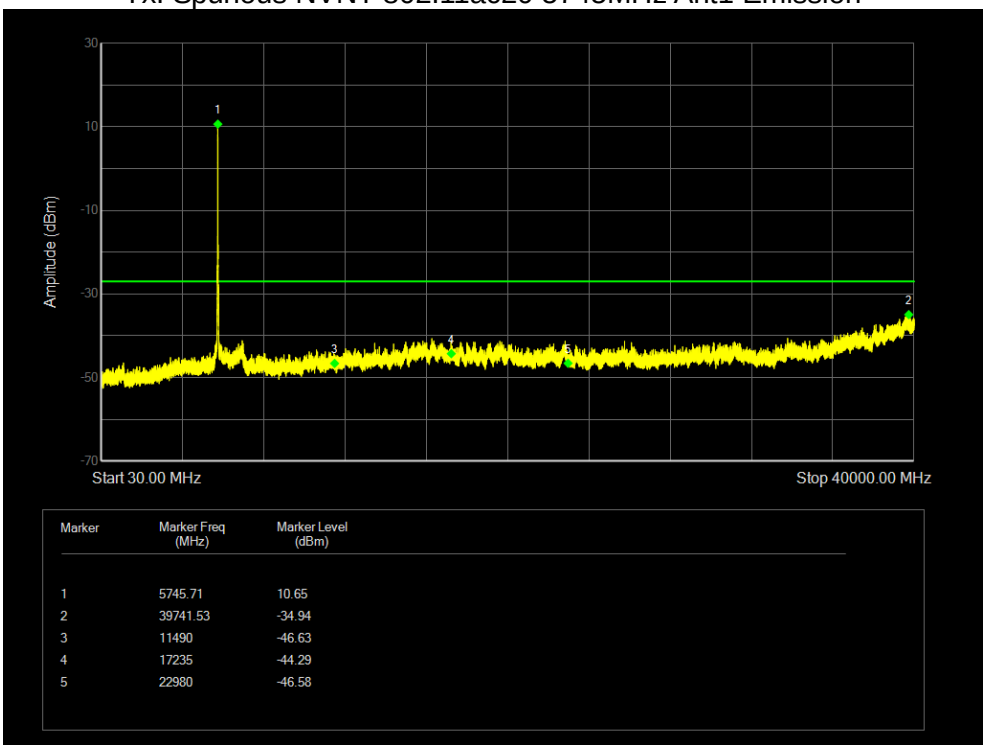
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5785.68	12.26
2	39656.26	-33.52
3	11570	-47.86
4	17355	-45.15
5	23140	-46.3

Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission

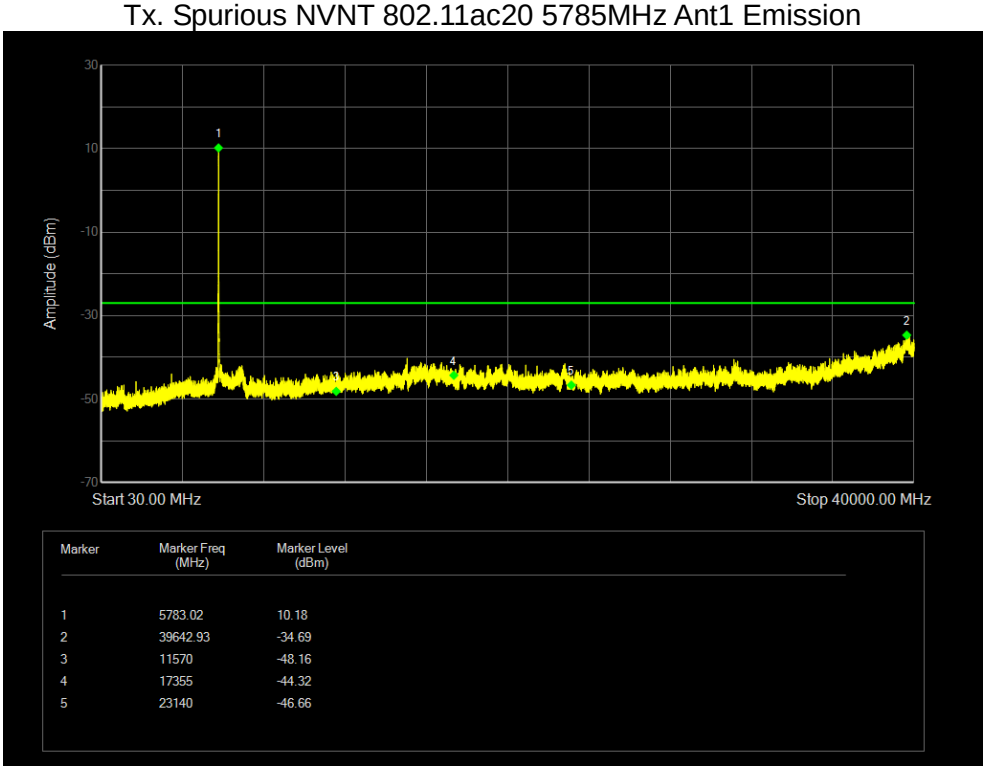


Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5826.98	10.95
2	39533.68	-34.41
3	11650	-46.85
4	17475	-45.93
5	23300	-45.97

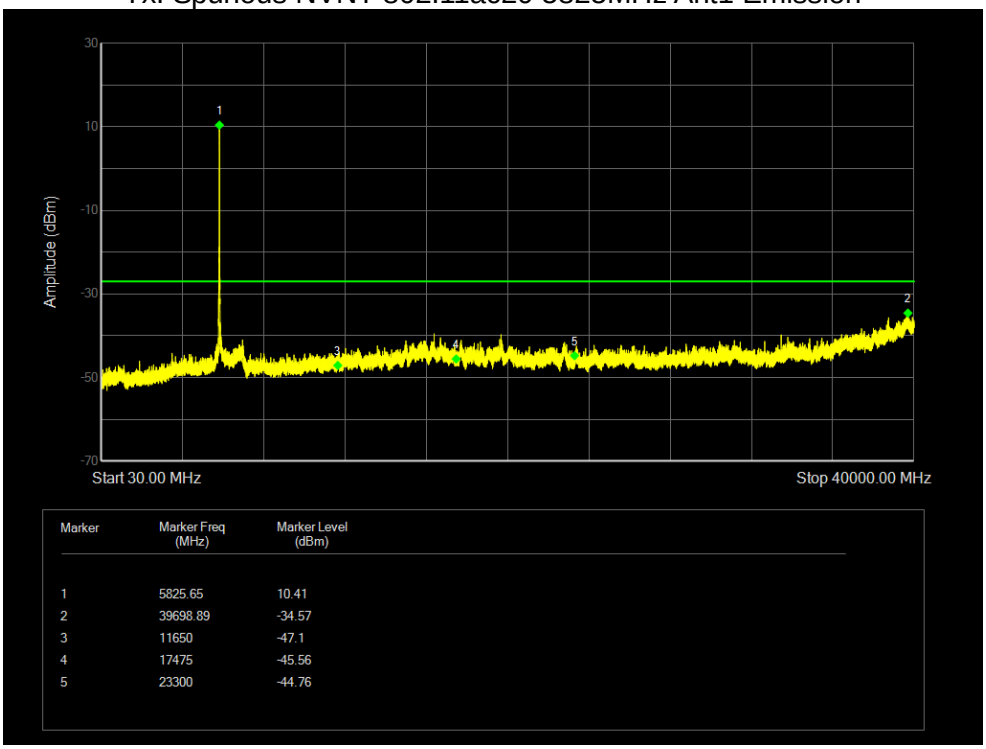
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



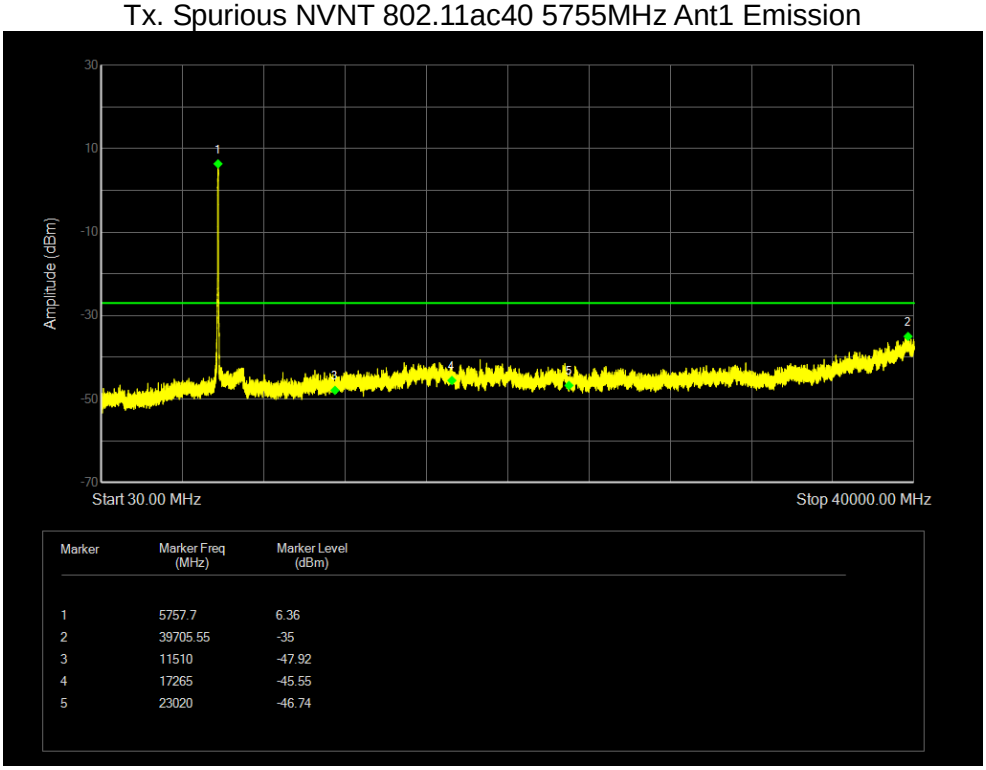
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



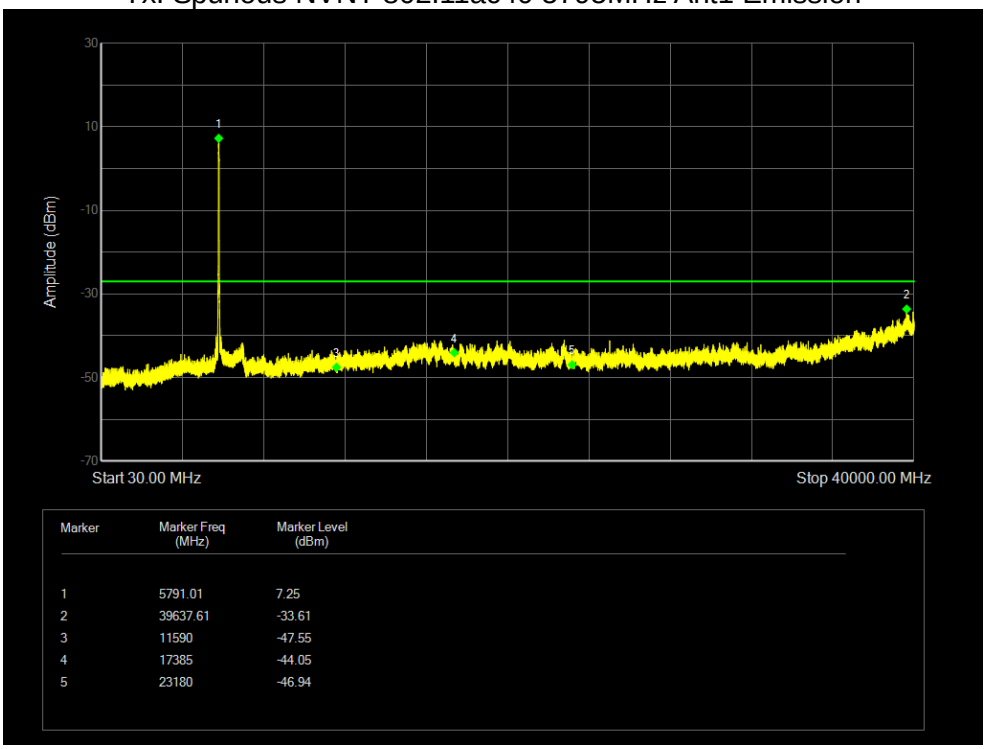
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



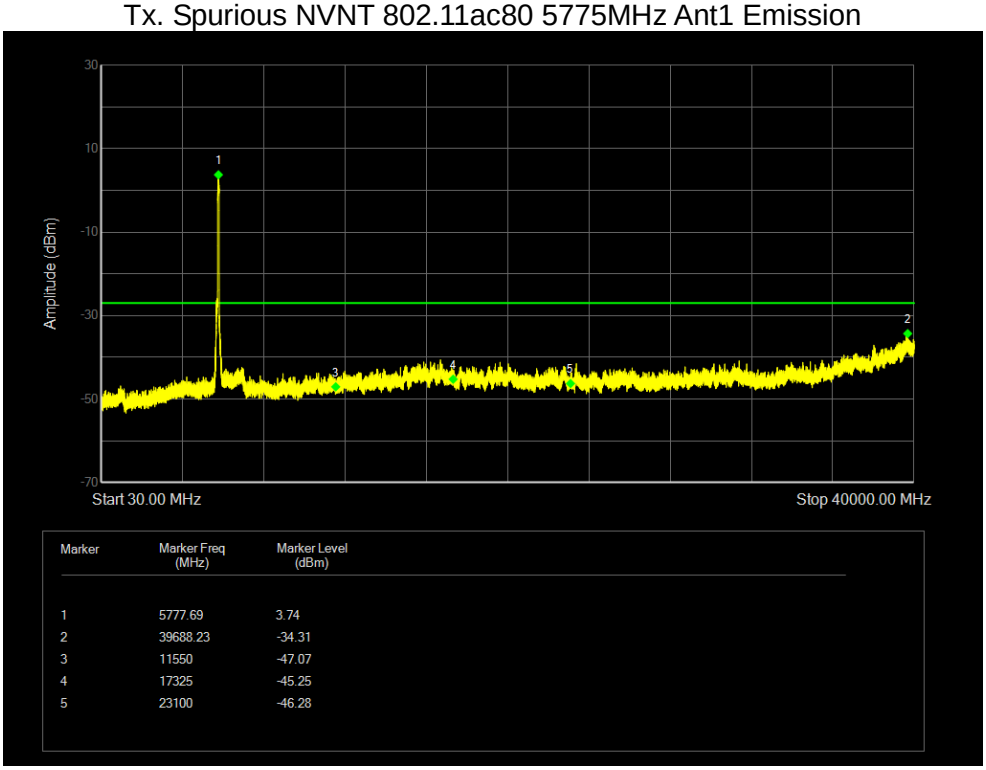
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



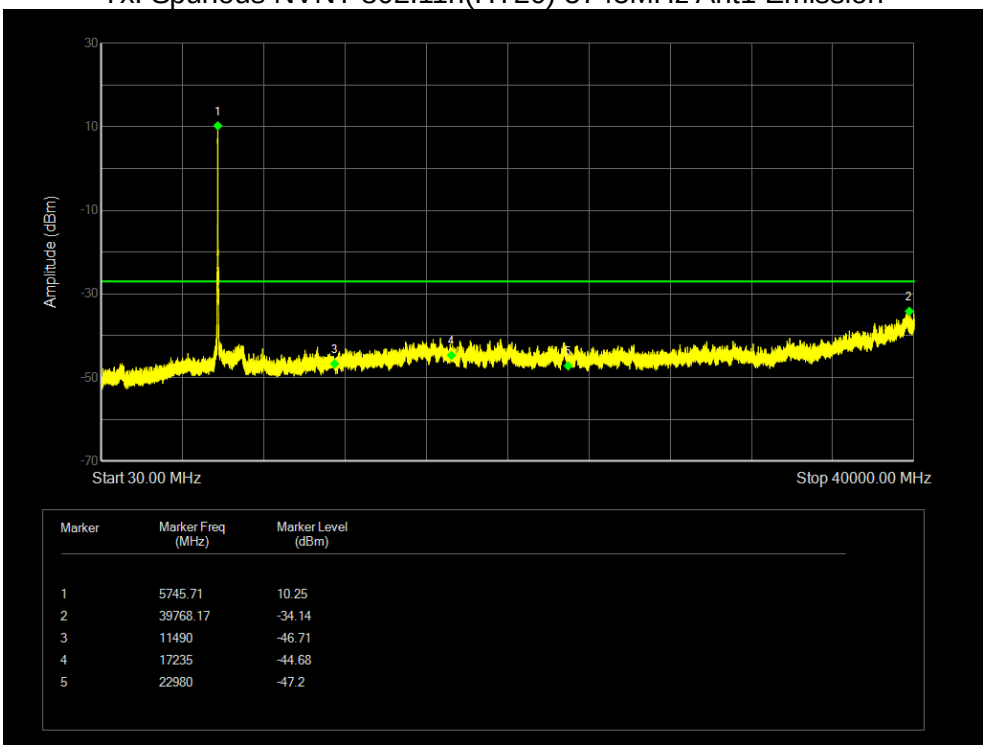
Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission



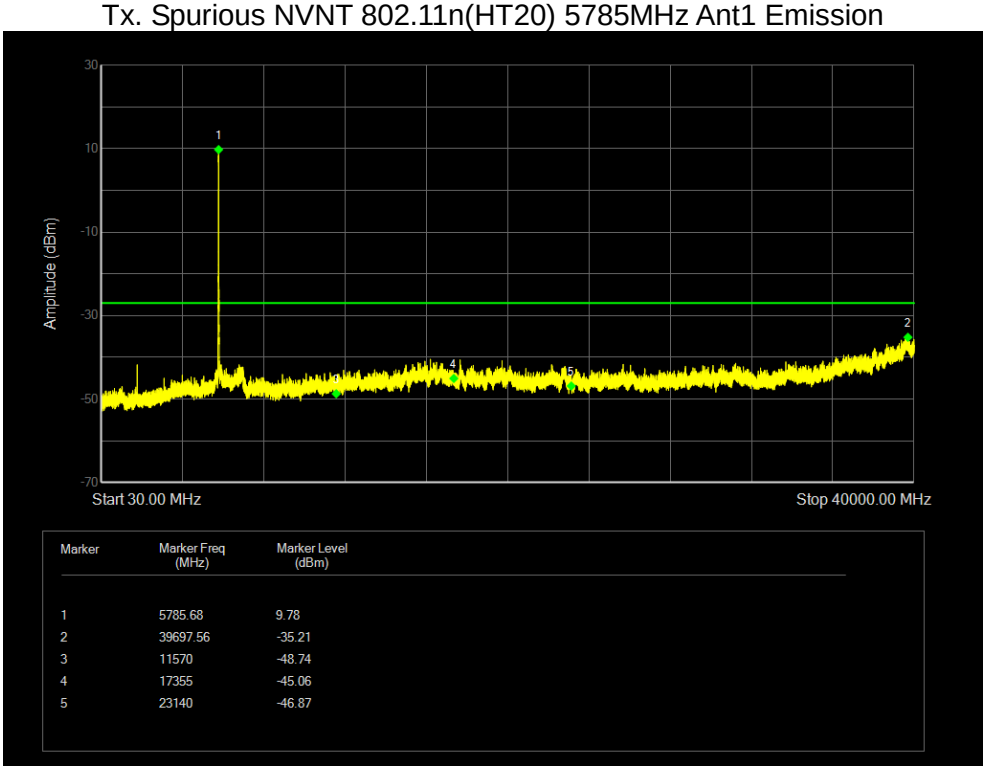
Tx. Spurious NVNT 802.11ac80 5775MHz Ant1 Emission



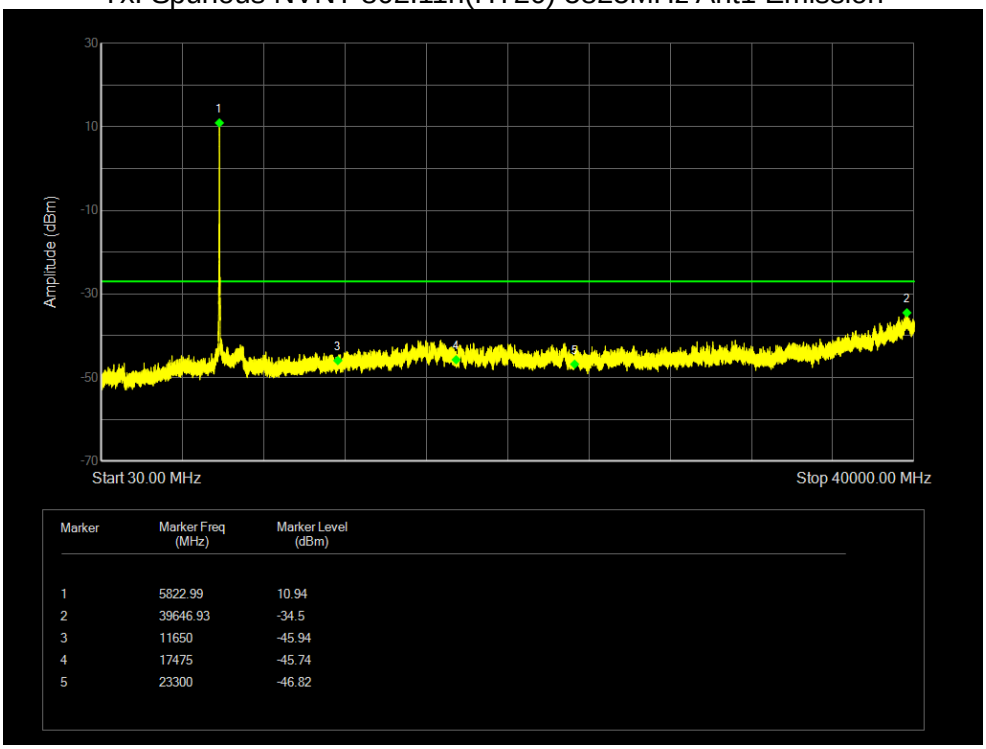
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission



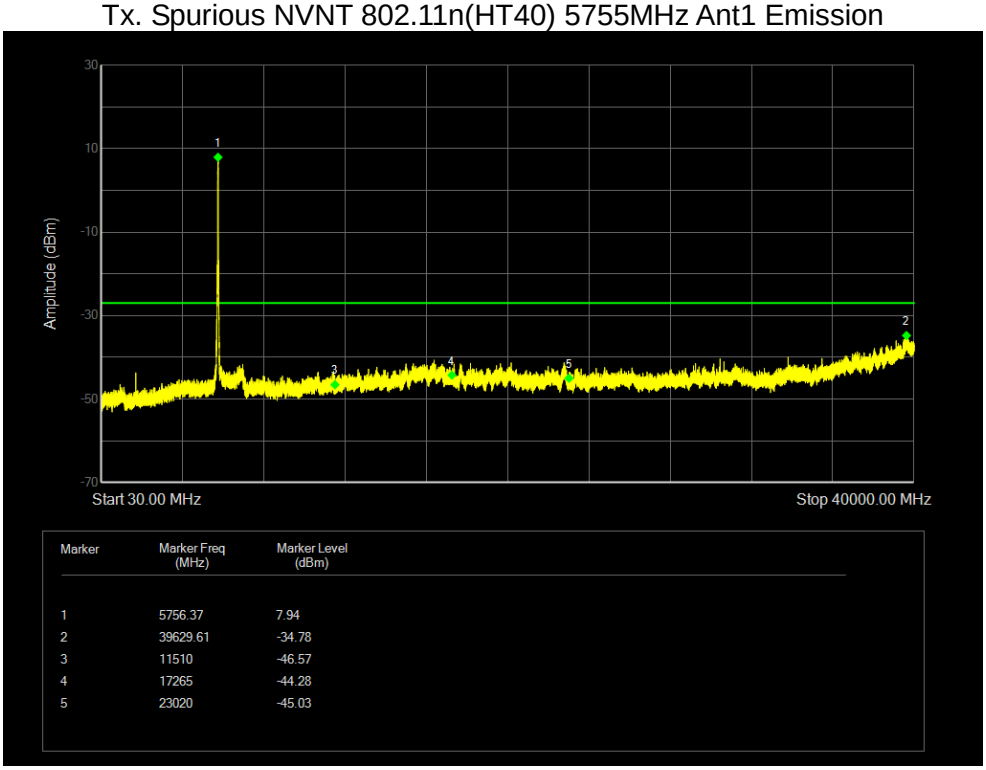
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission



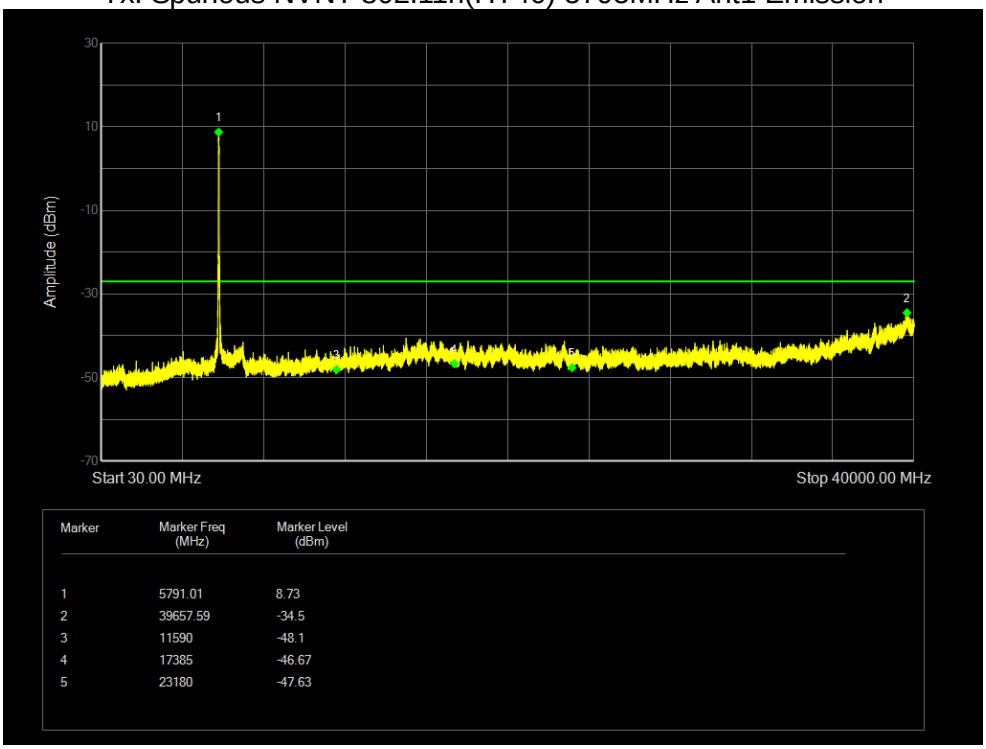
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission



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



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



Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5791.01	8.73
2	39657.59	-34.5
3	11590	-48.1
4	17385	-46.67
5	23180	-47.63

END OF REPORT