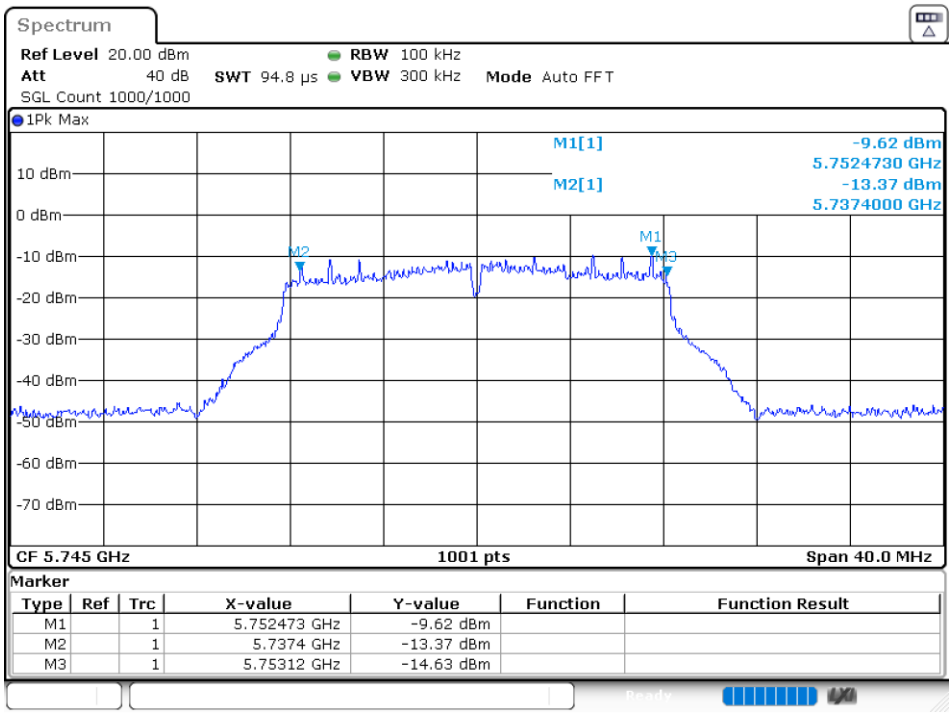
5.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	10.02	0	10.02	30	Pass
NVNT	802.11a	5785	Ant 1	10.55	0	10.55	30	Pass
NVNT	802.11a	5825	Ant 1	10.57	0	10.57	30	Pass
NVNT	802.11ac20	5745	Ant 1	9.49	0	9.49	30	Pass
NVNT	802.11ac20	5785	Ant 1	9.94	0	9.94	30	Pass
NVNT	802.11ac20	5825	Ant 1	9.91	0	9.91	30	Pass
NVNT	802.11ac40	5755	Ant 1	9.8	0	9.8	30	Pass
NVNT	802.11ac40	5795	Ant 1	10.08	0	10.08	30	Pass
NVNT	802.11ac80	5775	Ant 1	9.58	0	9.58	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	9.48	0	9.48	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	10.11	0	10.11	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	9.93	0	9.93	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	10.11	0	10.11	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	10.09	0	10.09	30	Pass

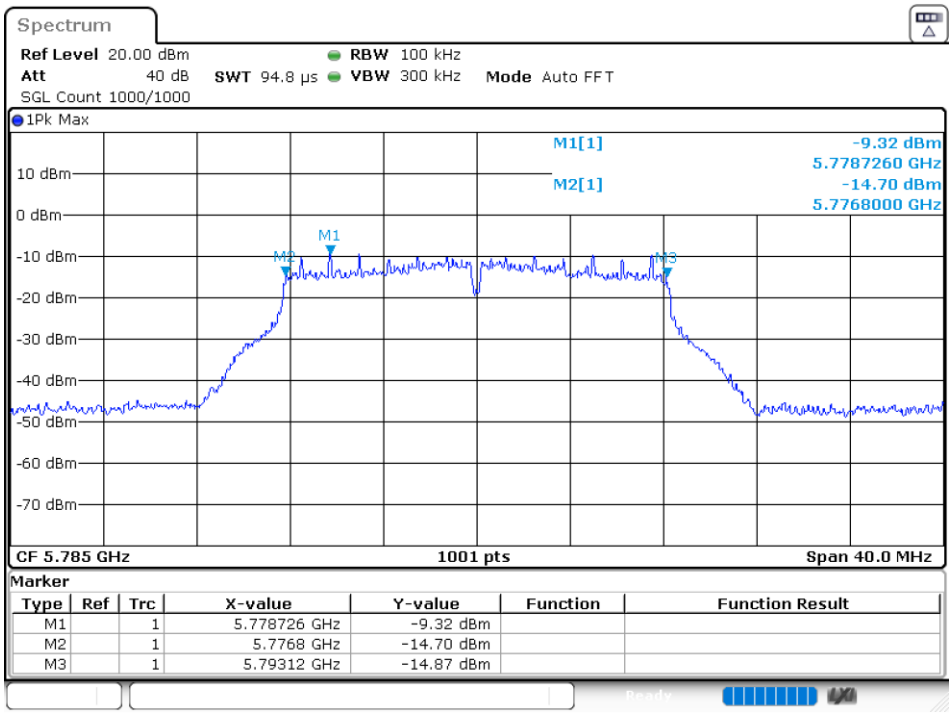
5.3 -6DB EMISSION BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	15.72	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.32	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.32	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	16.68	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.52	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.32	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	35.52	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.08	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.2	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.64	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.52	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.56	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	34.48	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	35.92	0.5	Pass

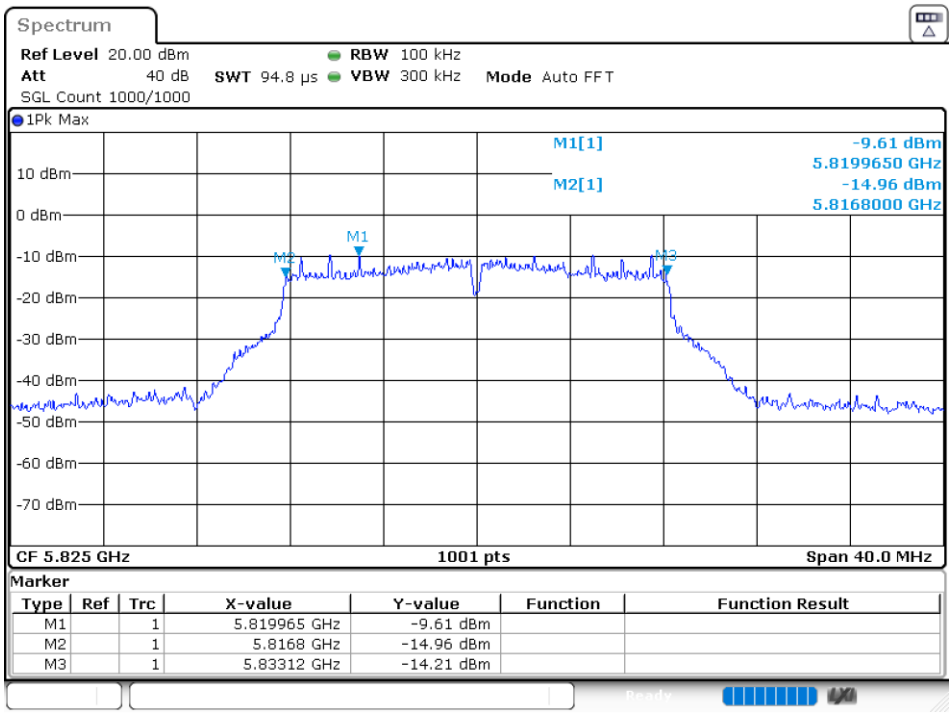
EBW NVNT 802.11a 5745MHz Ant1



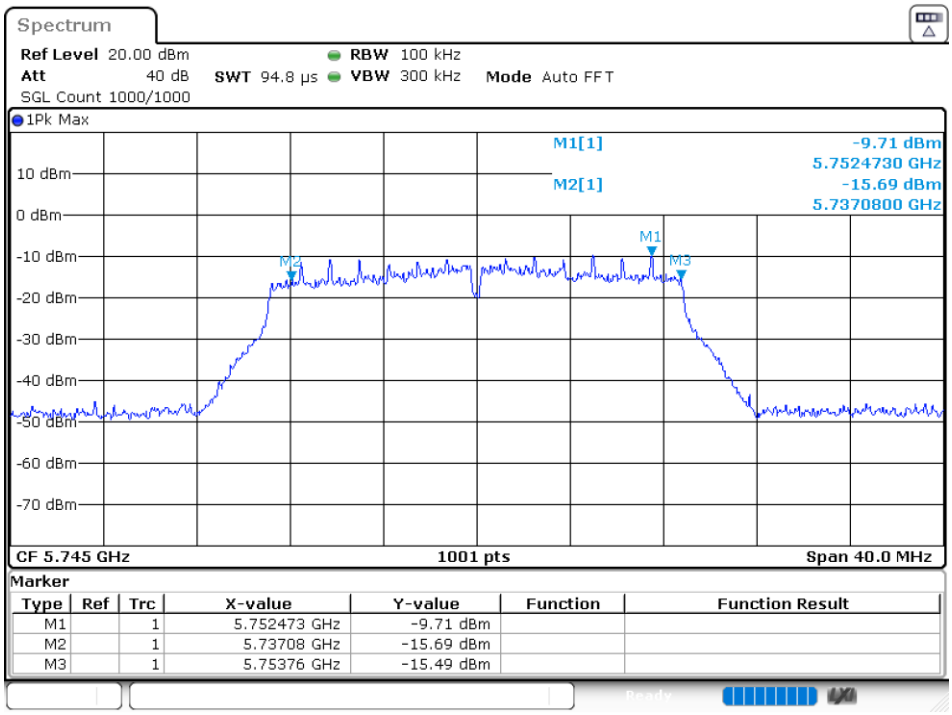
EBW NVNT 802.11a 5785MHz Ant1



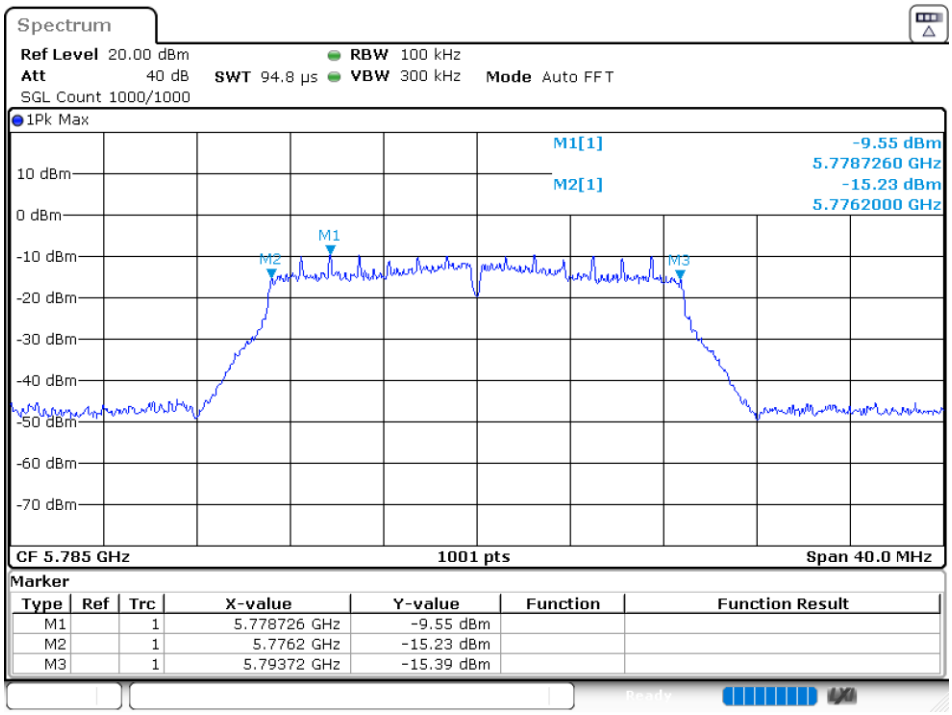
EBW NVNT 802.11a 5825MHz Ant1



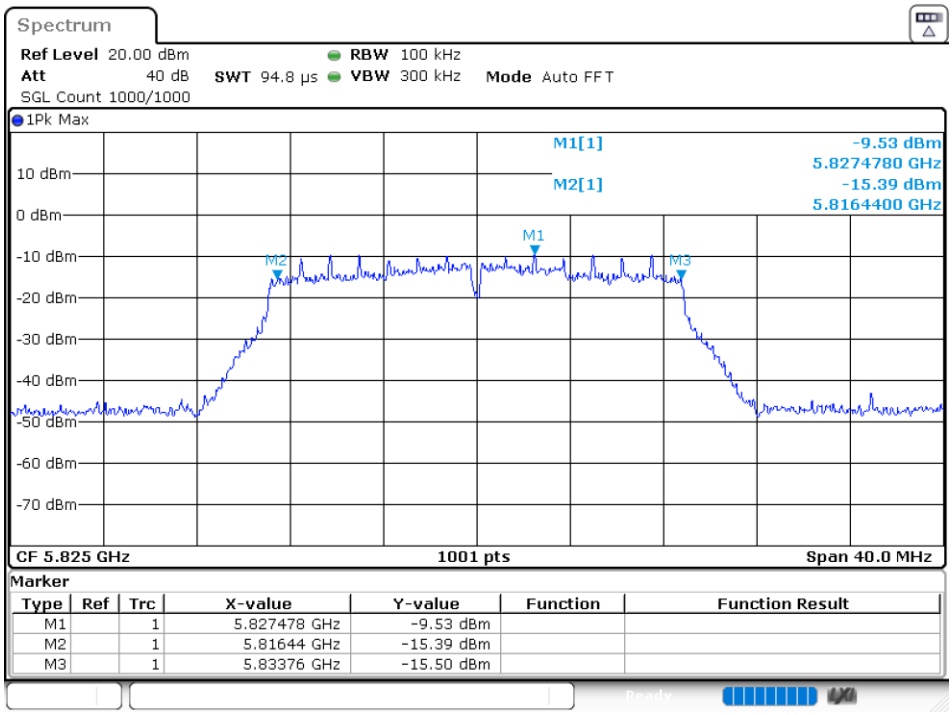
EBW NVNT 802.11ac20 5745MHz Ant1



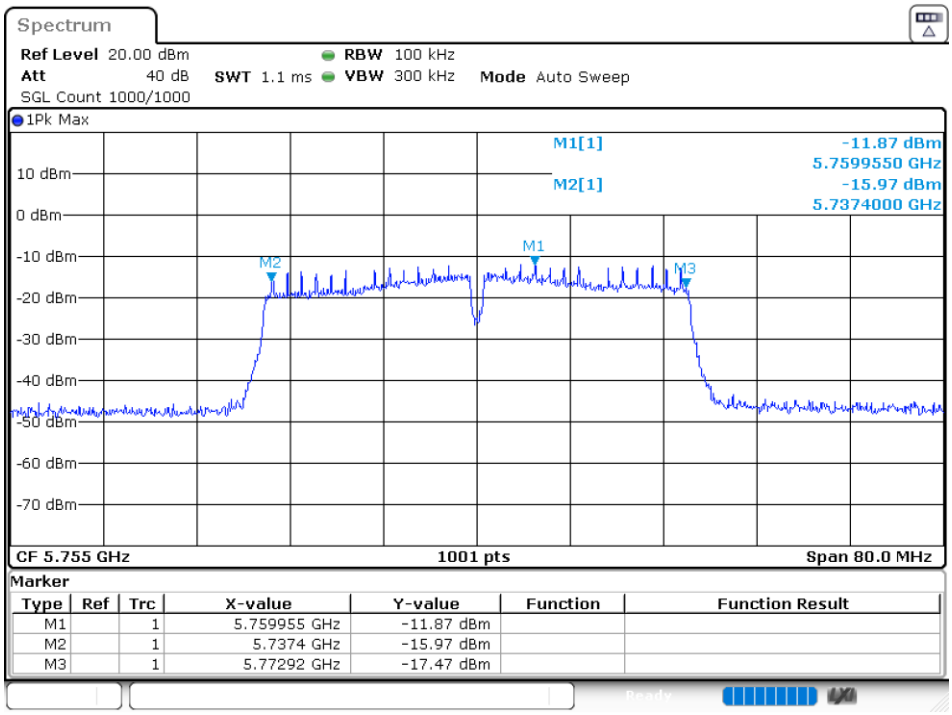
EBW NVNT 802.11ac20 5785MHz Ant1



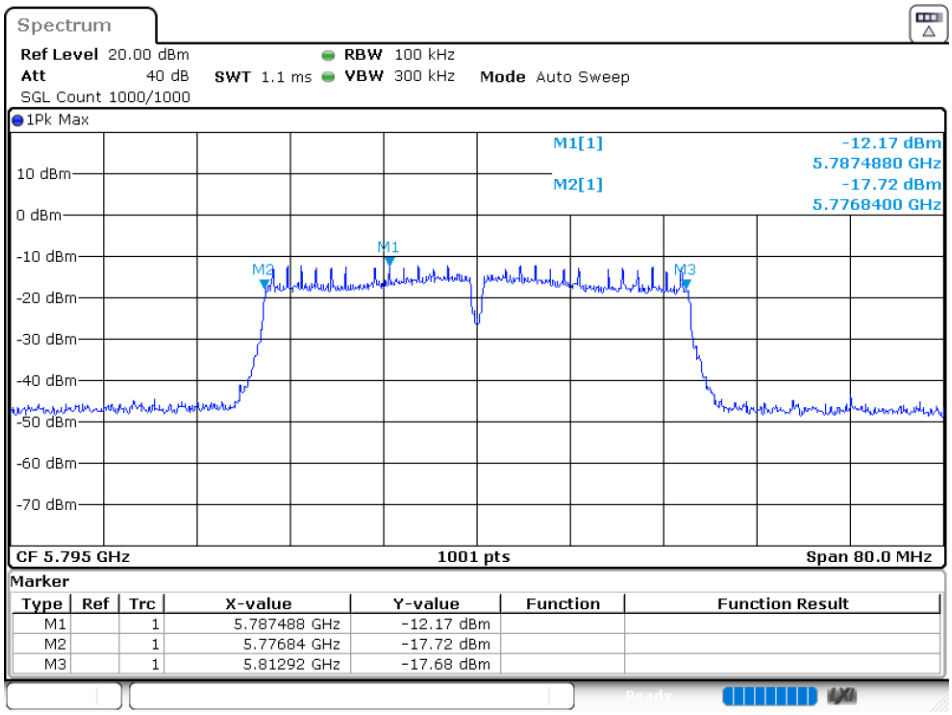
EBW NVNT 802.11ac20 5825MHz Ant1



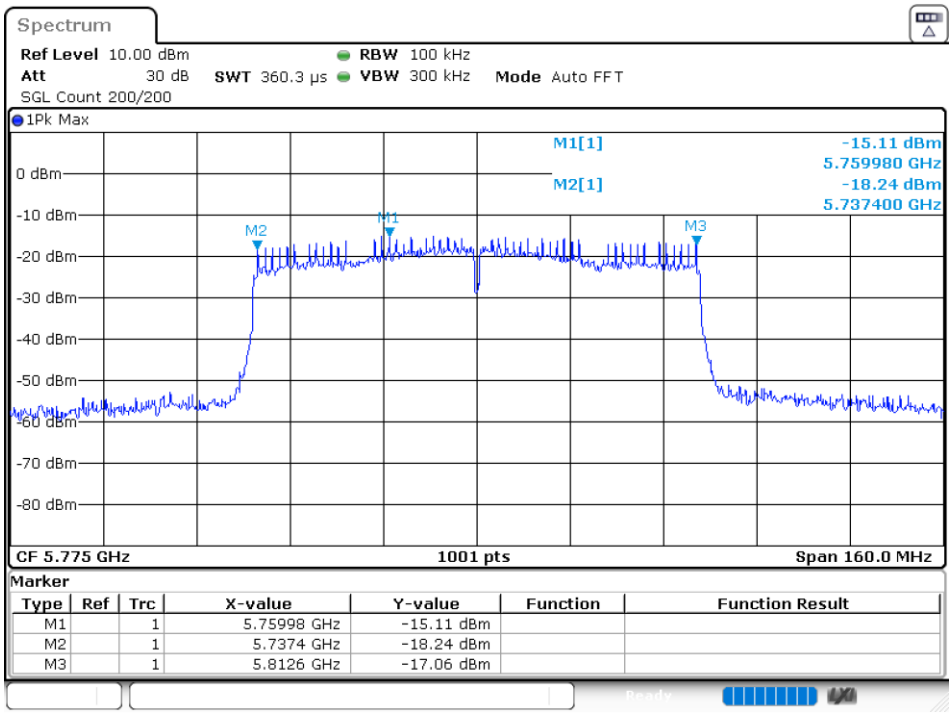
EBW NVNT 802.11ac40 5755MHz Ant1



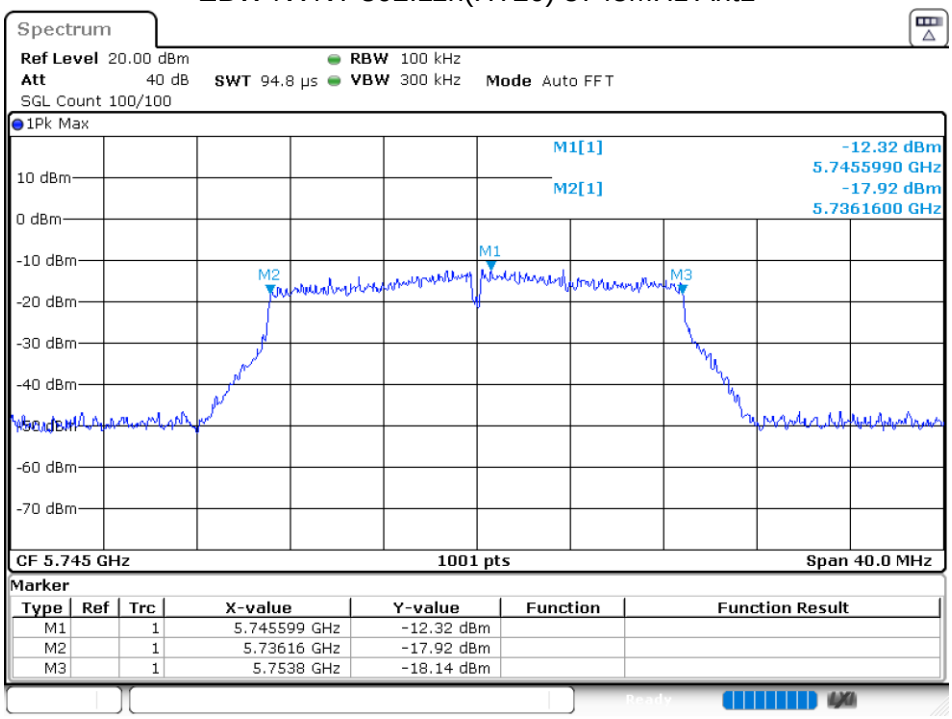
EBW NVNT 802.11ac40 5795MHz Ant1



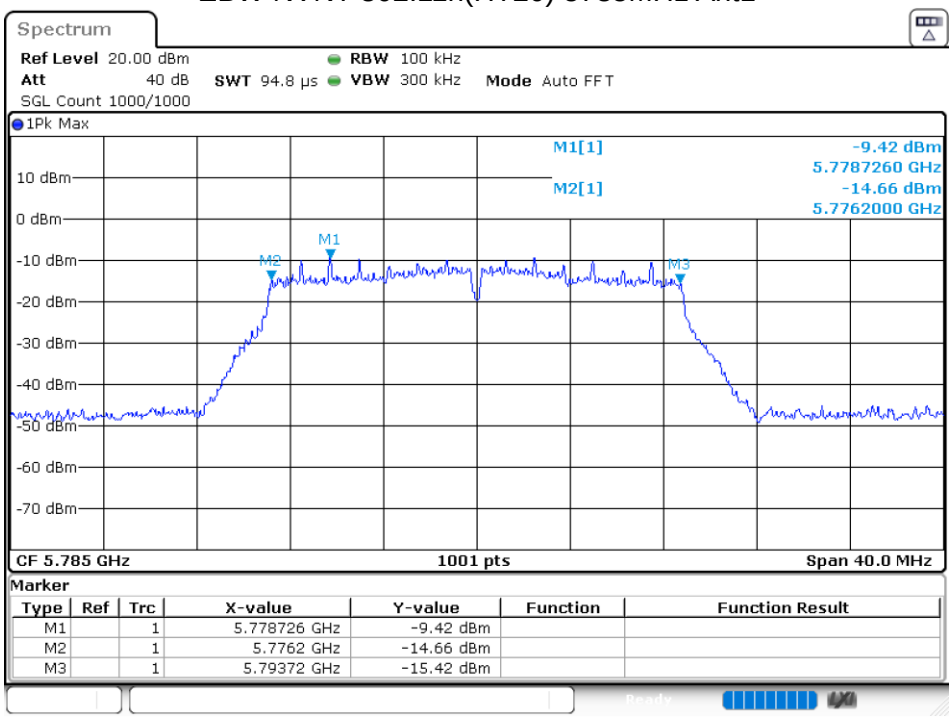
EBW NVNT 802.11ac80 5775MHz Ant1



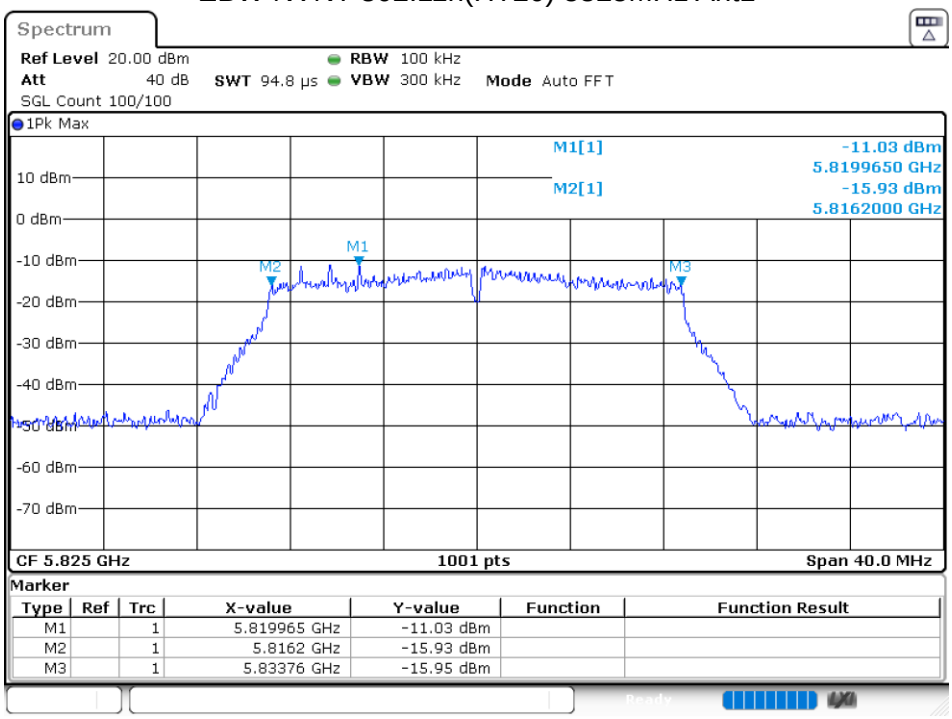
EBW NVNT 802.11n(HT20) 5745MHz Ant1



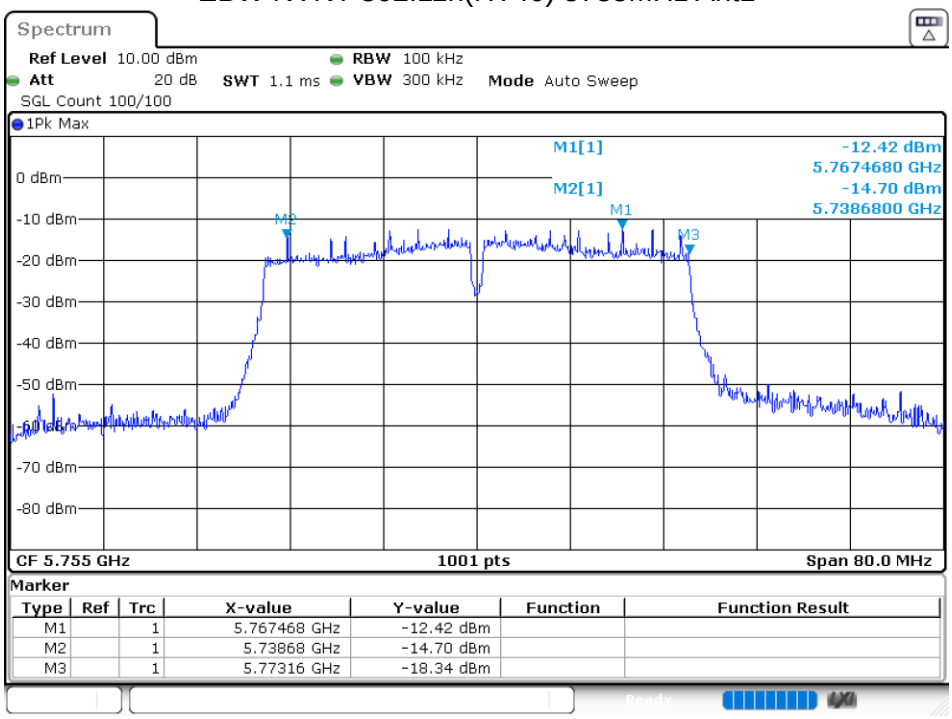
EBW NVNT 802.11n(HT20) 5785MHz Ant1



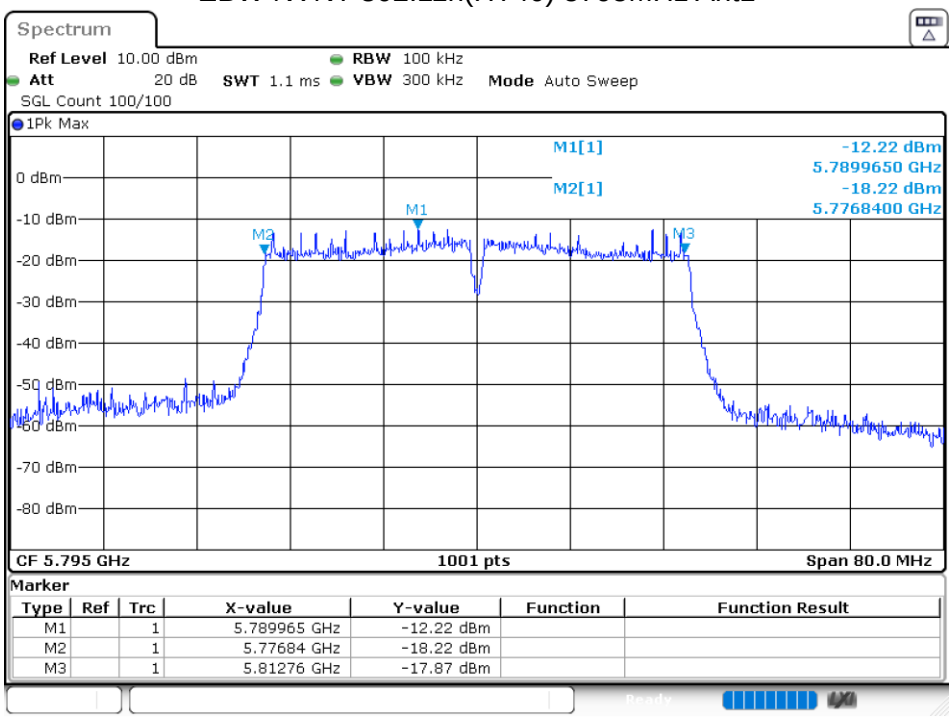
EBW NVNT 802.11n(HT20) 5825MHz Ant1



EBW NVNT 802.11n(HT40) 5755MHz Ant1



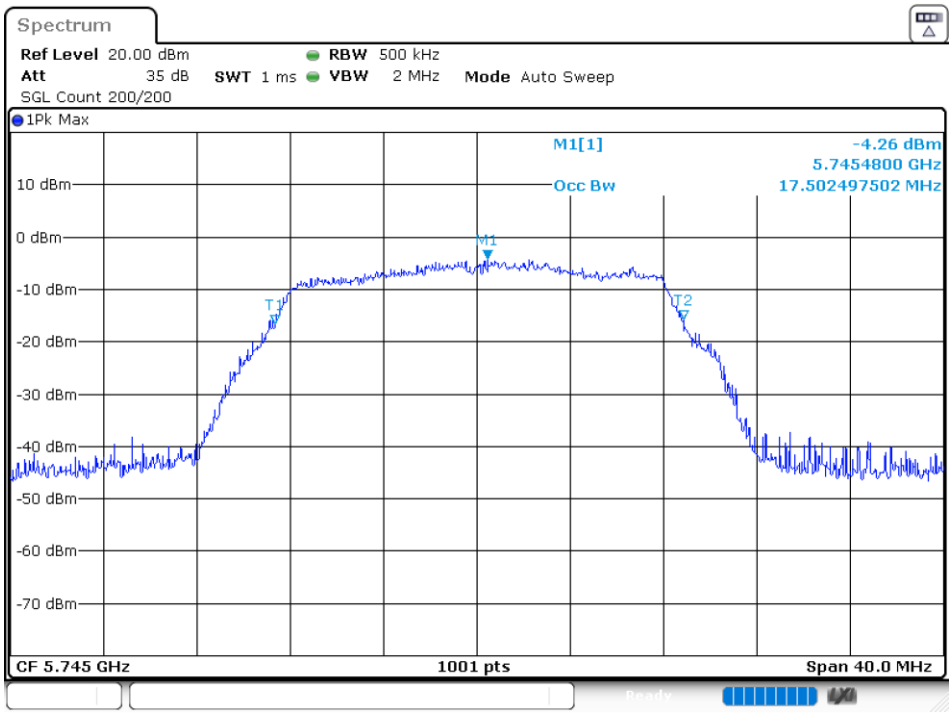
EBW NVNT 802.11n(HT40) 5795MHz Ant1



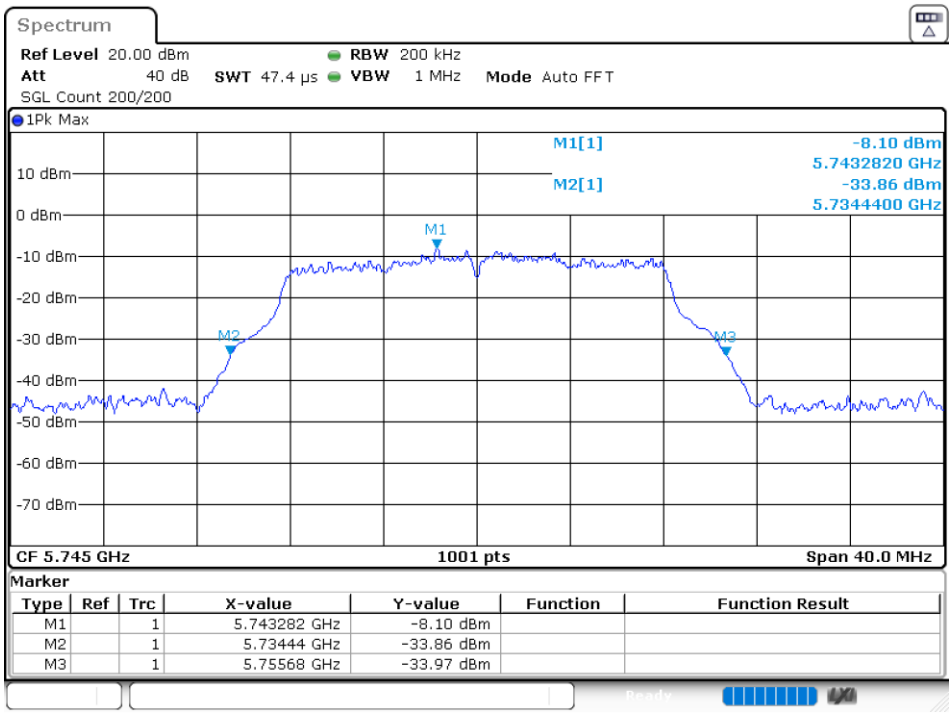
5.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	17.5025	21.24	Pass
NVNT	802.11a	5785	Ant 1	17.5824	20.84	Pass
NVNT	802.11a	5825	Ant 1	17.4625	21	Pass
NVNT	802.11ac20	5745	Ant 1	18.022	21.44	Pass
NVNT	802.11ac20	5785	Ant 1	17.8222	21.16	Pass
NVNT	802.11ac20	5825	Ant 1	17.9421	21.68	Pass
NVNT	802.11ac40	5755	Ant 1	36.2038	39.84	Pass
NVNT	802.11ac40	5795	Ant 1	36.3636	39.76	Pass
NVNT	802.11ac80	5775	Ant 1	75.1249	81.28	Pass
NVNT	802.11n(HT20)	5745	Ant 1	18.1019	21.04	Pass
NVNT	802.11n(HT20)	5785	Ant 1	18.0619	21.52	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.8621	21.56	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.2038	39.68	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.2837	39.68	Pass

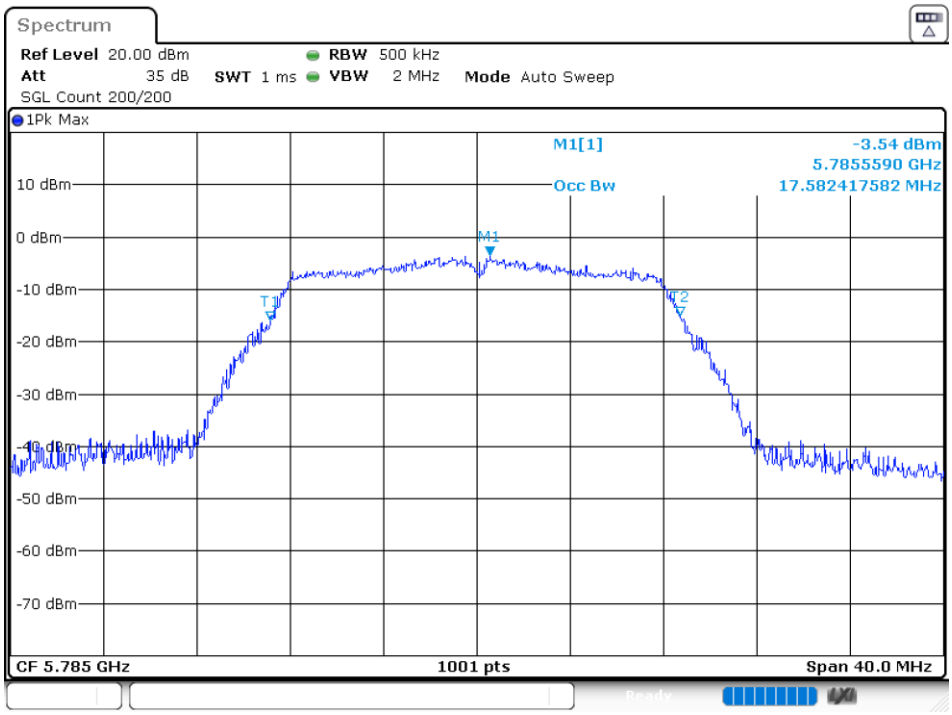
OBW NVNT 802.11a 5745MHz Ant1



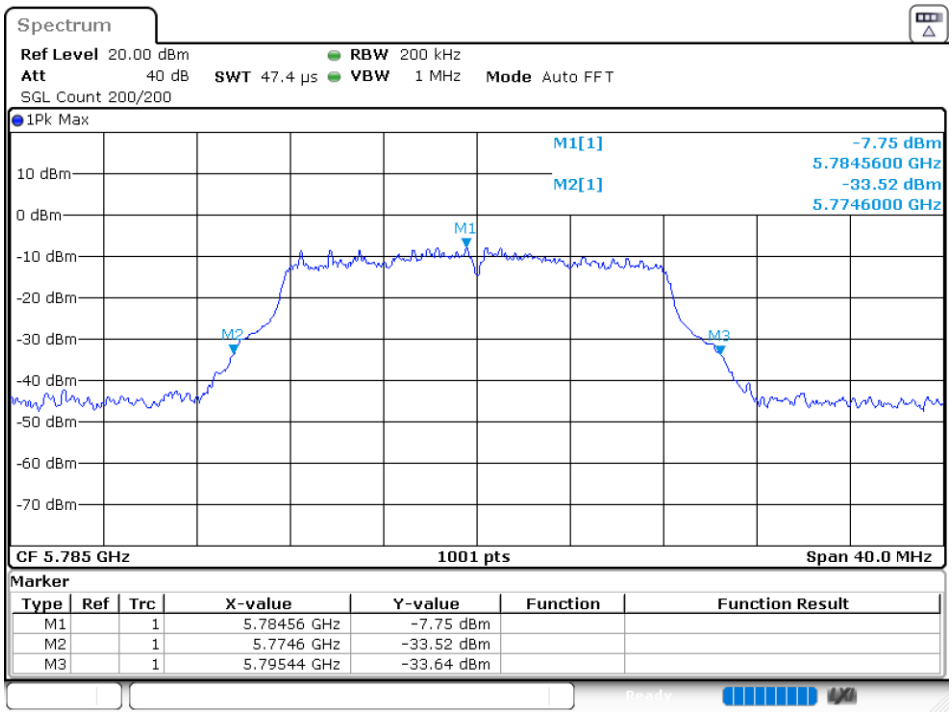
-26 dB BW NVNT 802.11a 5745MHz Ant1



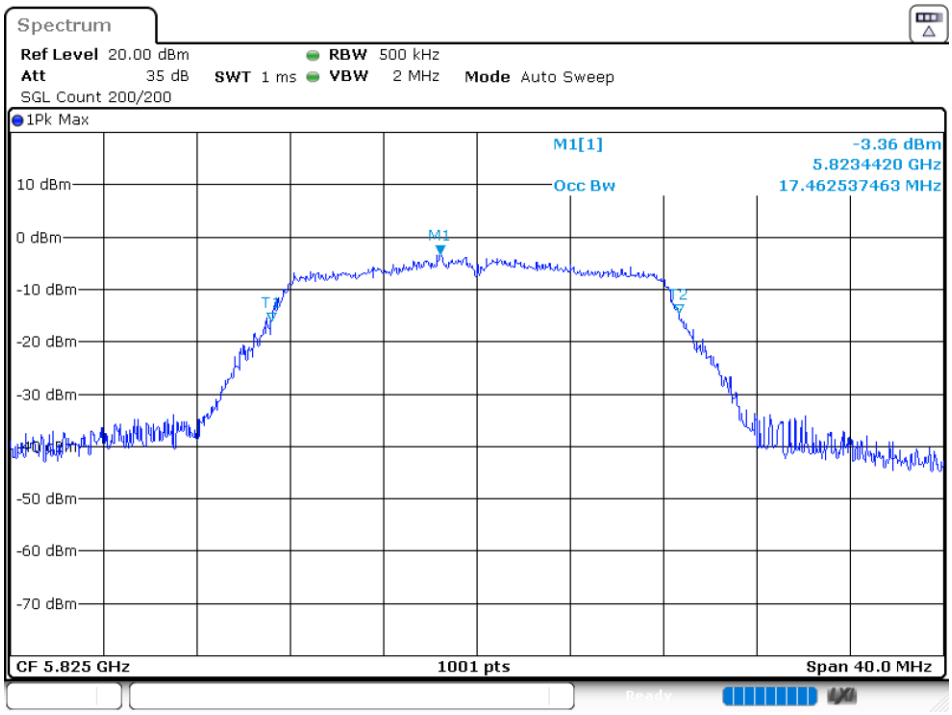
OBW NVNT 802.11a 5785MHz Ant1



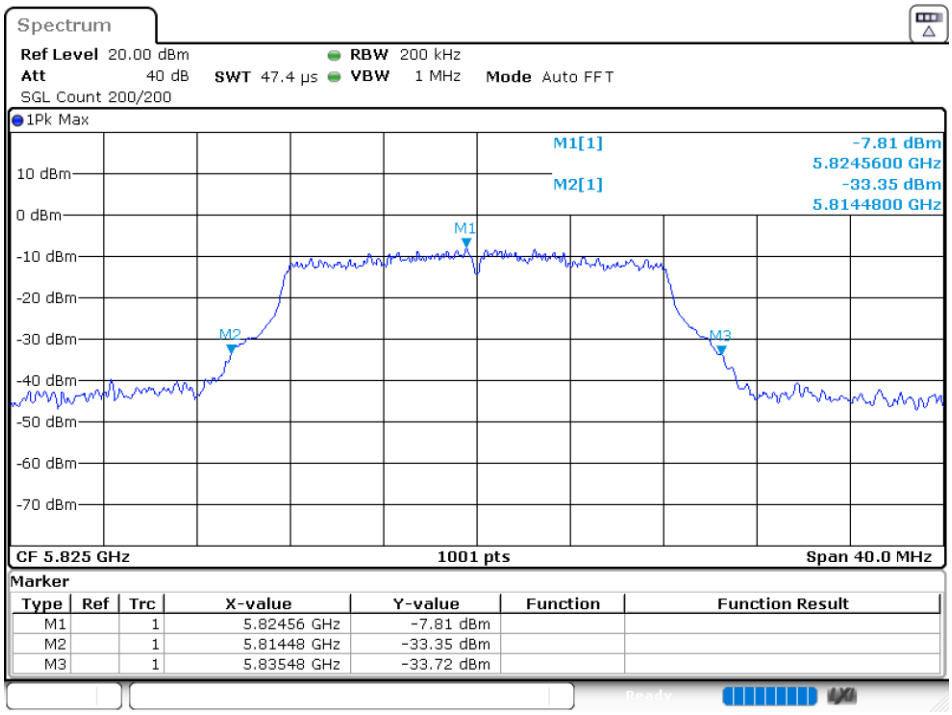
-26 dB BW NVNT 802.11a 5785MHz Ant1



OBW NVNT 802.11a 5825MHz Ant1



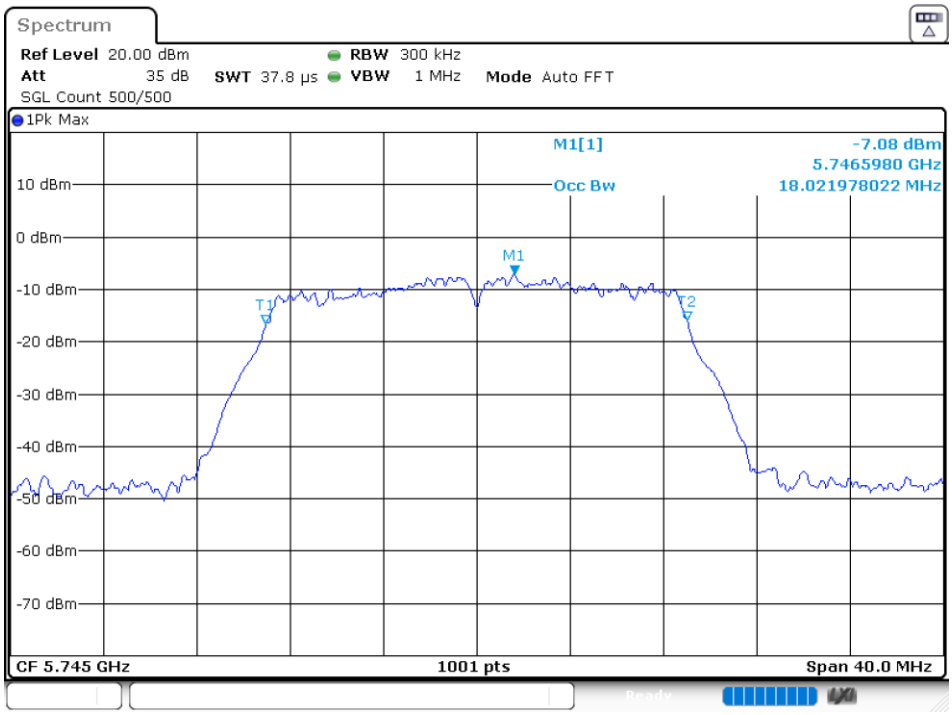
-26 dB BW NVNT 802.11a 5825MHz Ant1



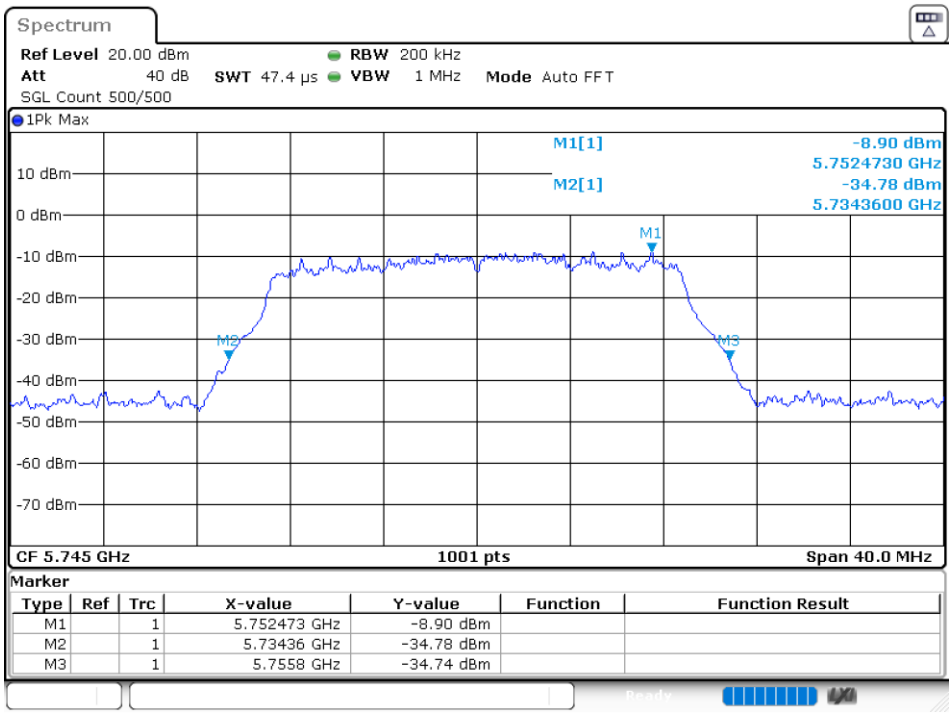
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.82456 GHz	-7.81 dBm		
M2		1	5.81448 GHz	-33.35 dBm		
M3		1	5.83548 GHz	-33.72 dBm		

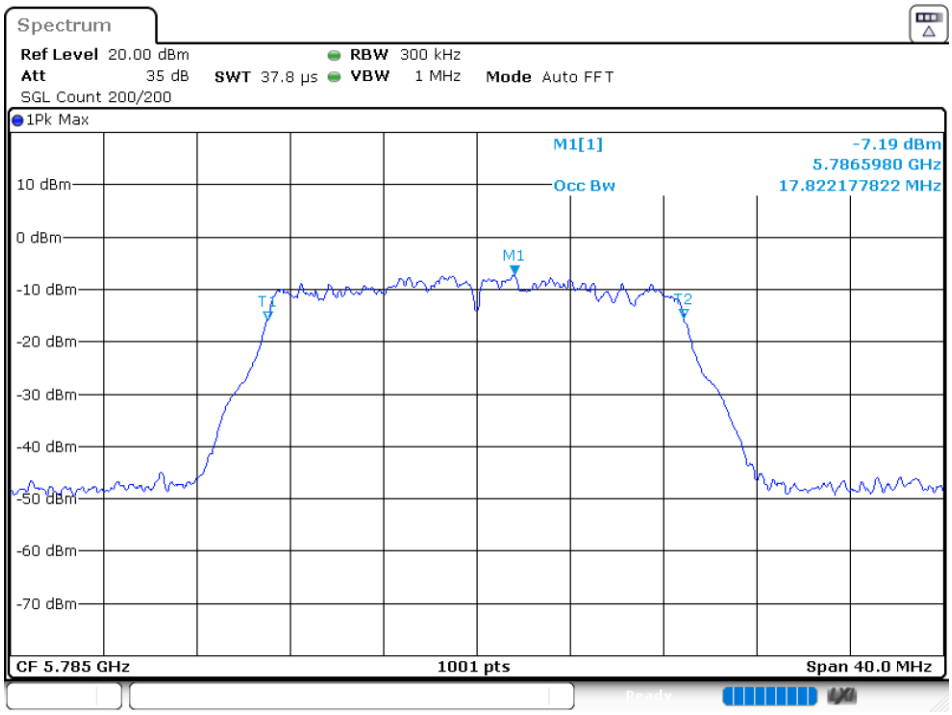
OBW NVNT 802.11ac20 5745MHz Ant1



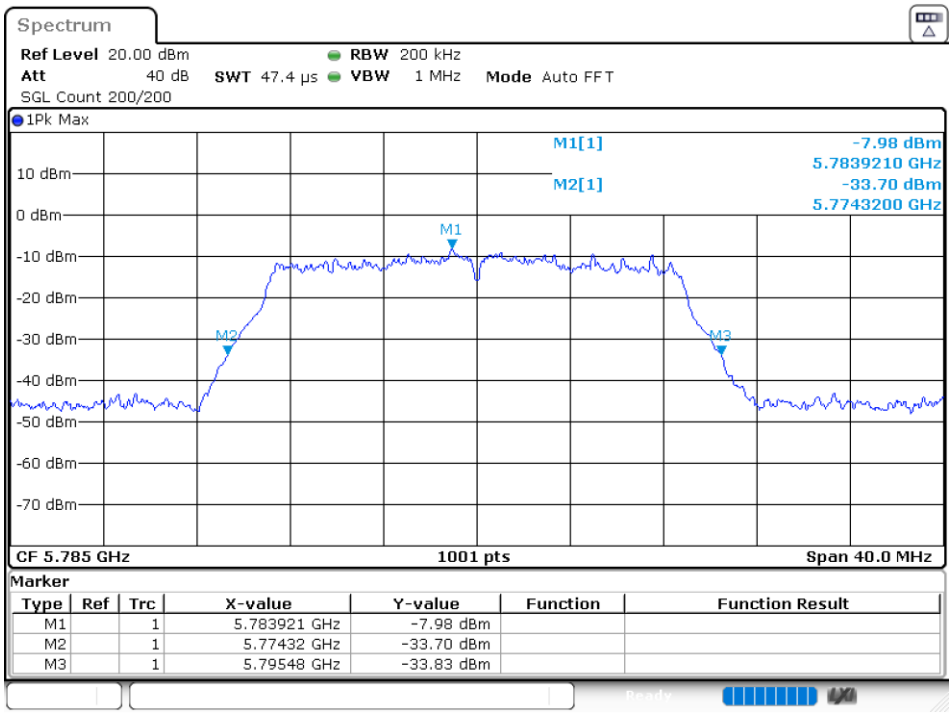
-26 dB BW NVNT 802.11ac20 5745MHz Ant1



OBW NVNT 802.11ac20 5785MHz Ant1



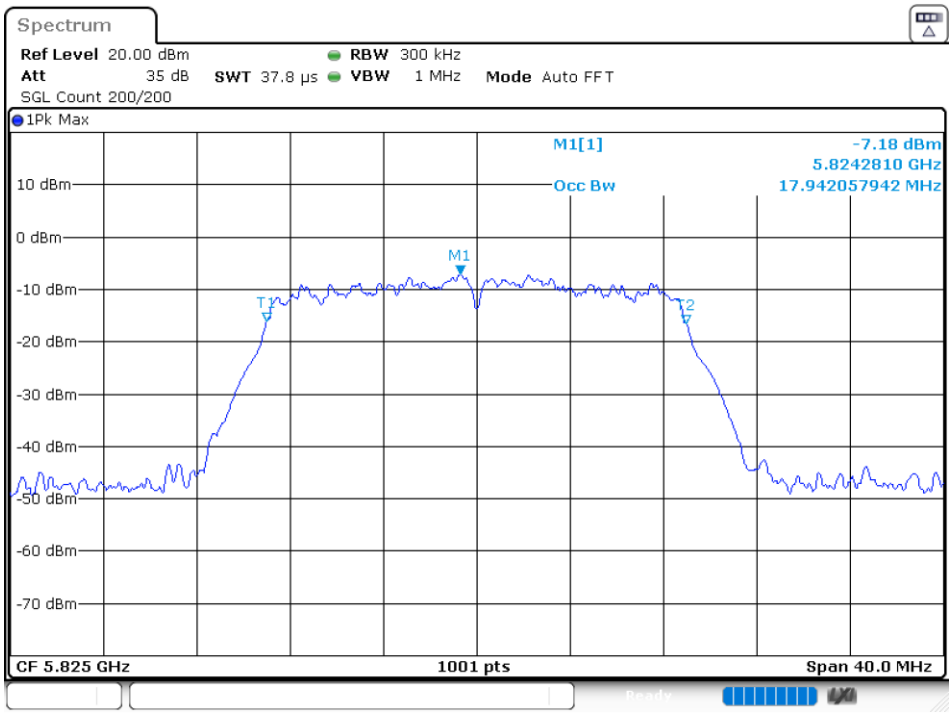
-26 dB BW NVNT 802.11ac20 5785MHz Ant1



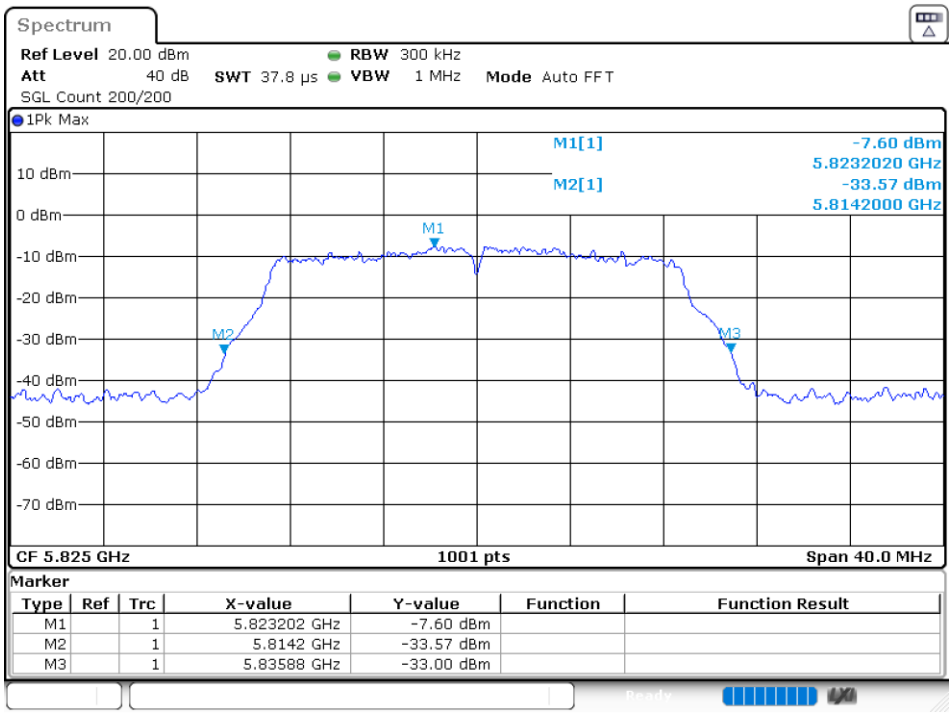
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.783921 GHz	-7.98 dBm		
M2		1	5.77432 GHz	-33.70 dBm		
M3		1	5.79548 GHz	-33.83 dBm		

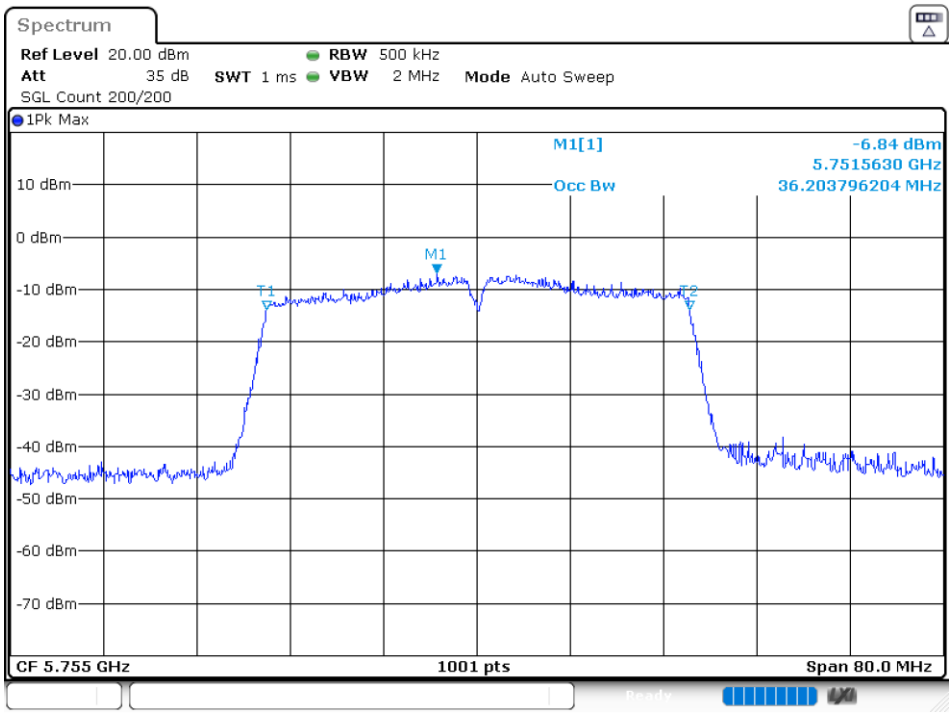
OBW NVNT 802.11ac20 5825MHz Ant1



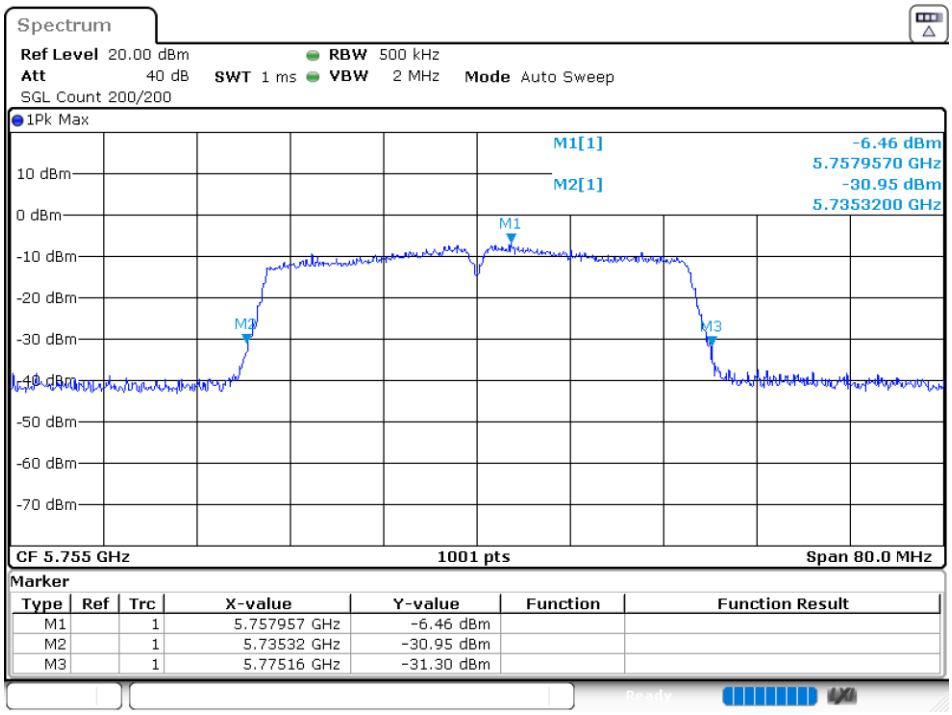
-26 dB BW NVNT 802.11ac20 5825MHz Ant1



OBW NVNT 802.11ac40 5755MHz Ant1



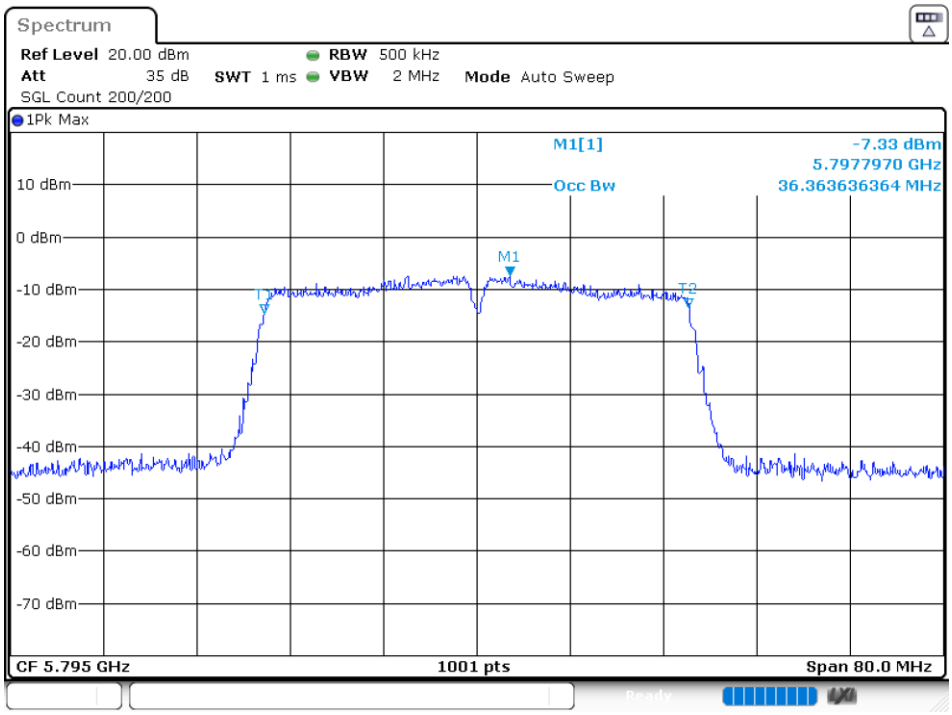
-26 dB BW NVNT 802.11ac40 5755MHz Ant1



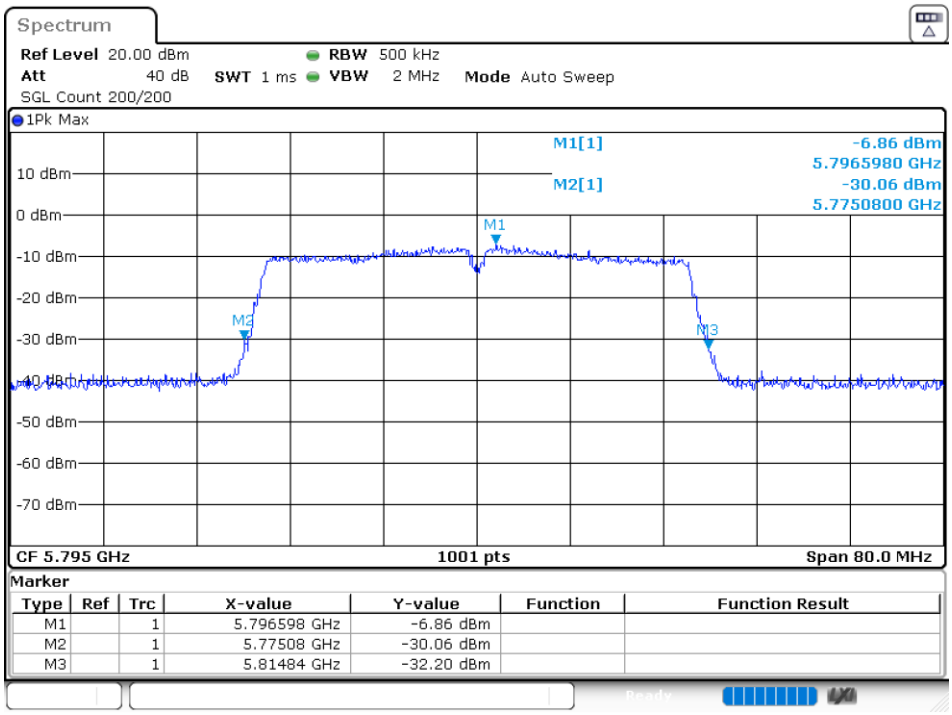
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.757957 GHz	-6.46 dBm		
M2		1	5.73532 GHz	-30.95 dBm		
M3		1	5.77516 GHz	-31.30 dBm		

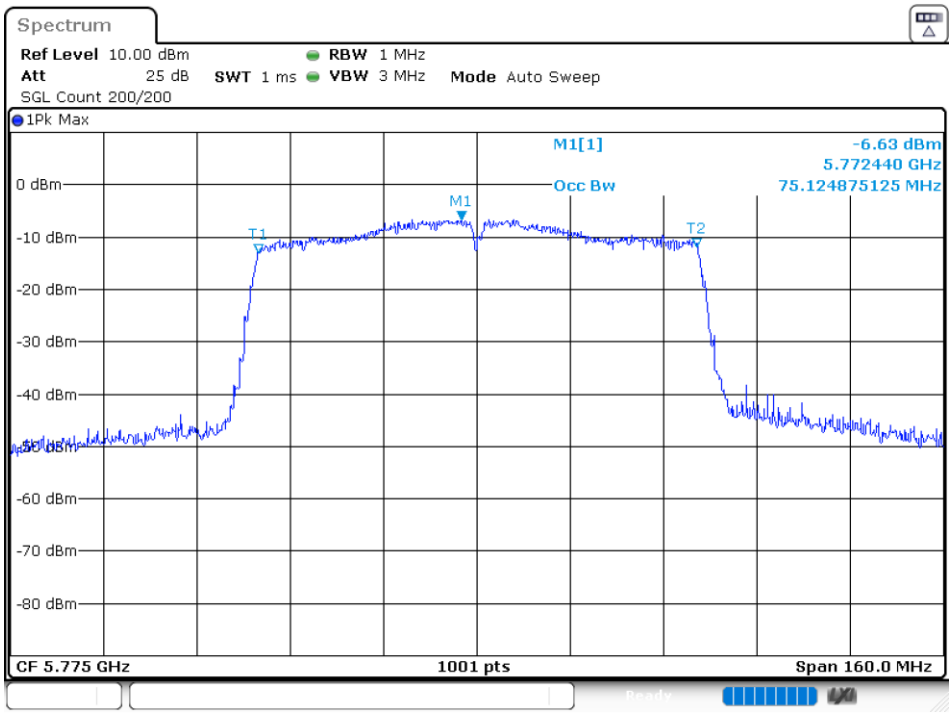
OBW NVNT 802.11ac40 5795MHz Ant1



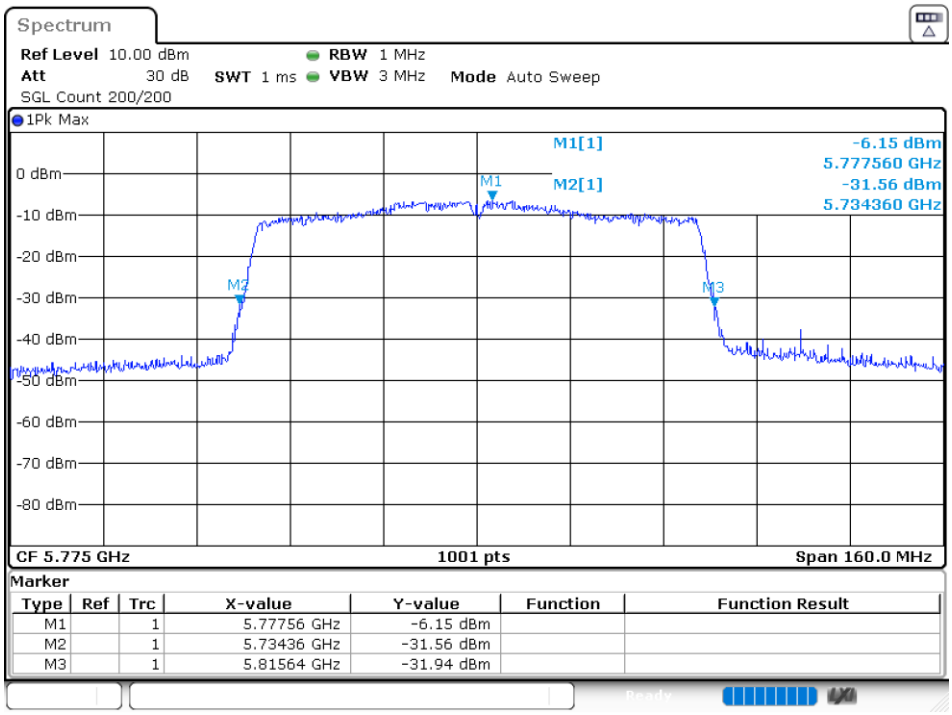
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



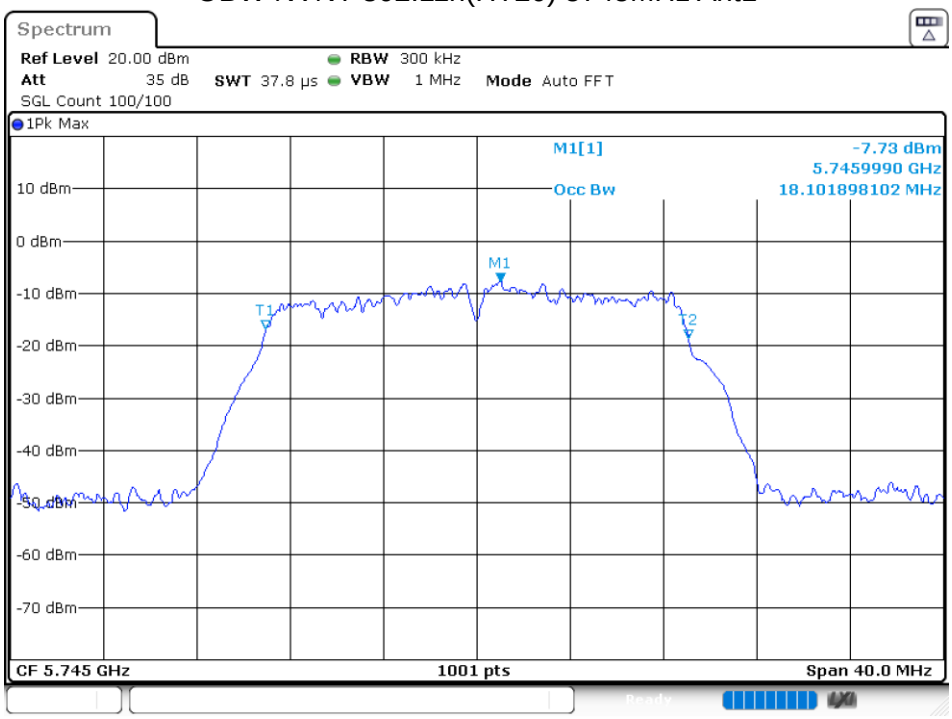
OBW NVNT 802.11ac80 5775MHz Ant1



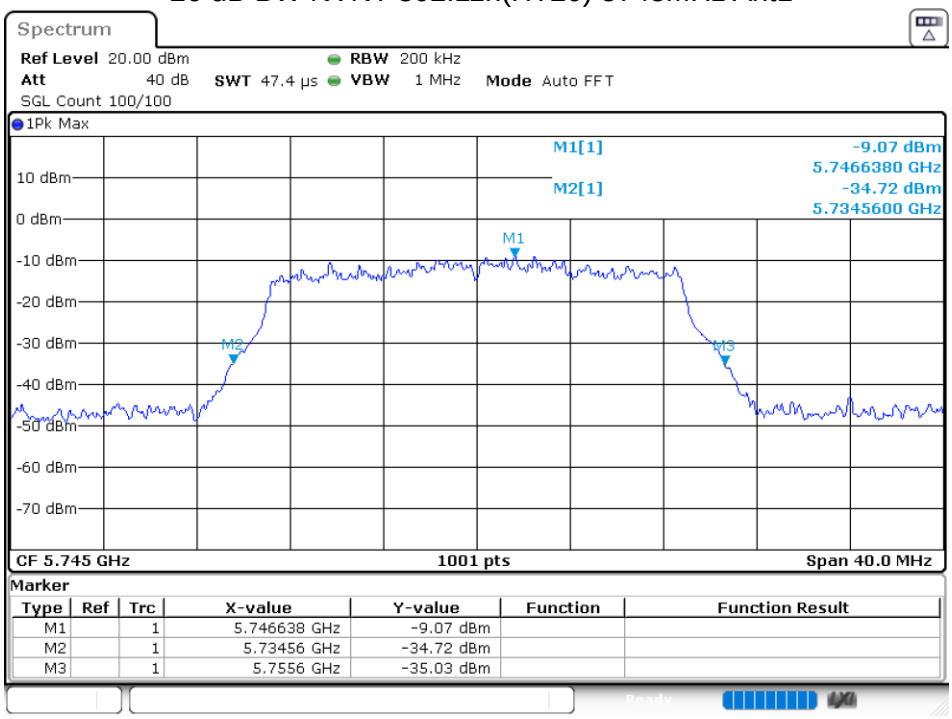
-26 dB BW NVNT 802.11ac80 5775MHz Ant1



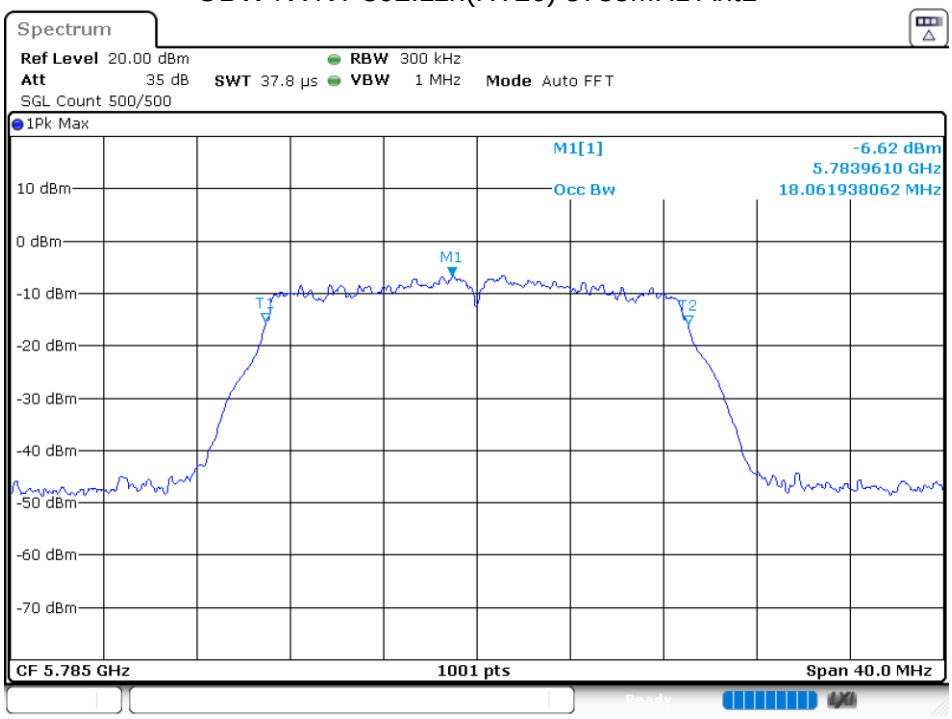
OBW NVNT 802.11n(HT20) 5745MHz Ant1



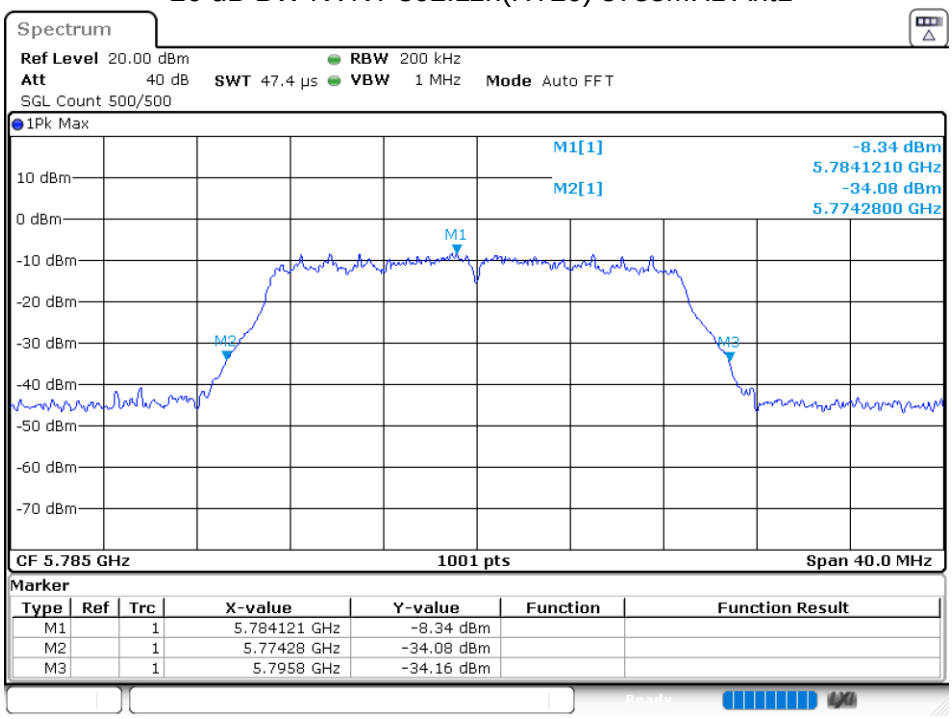
-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1



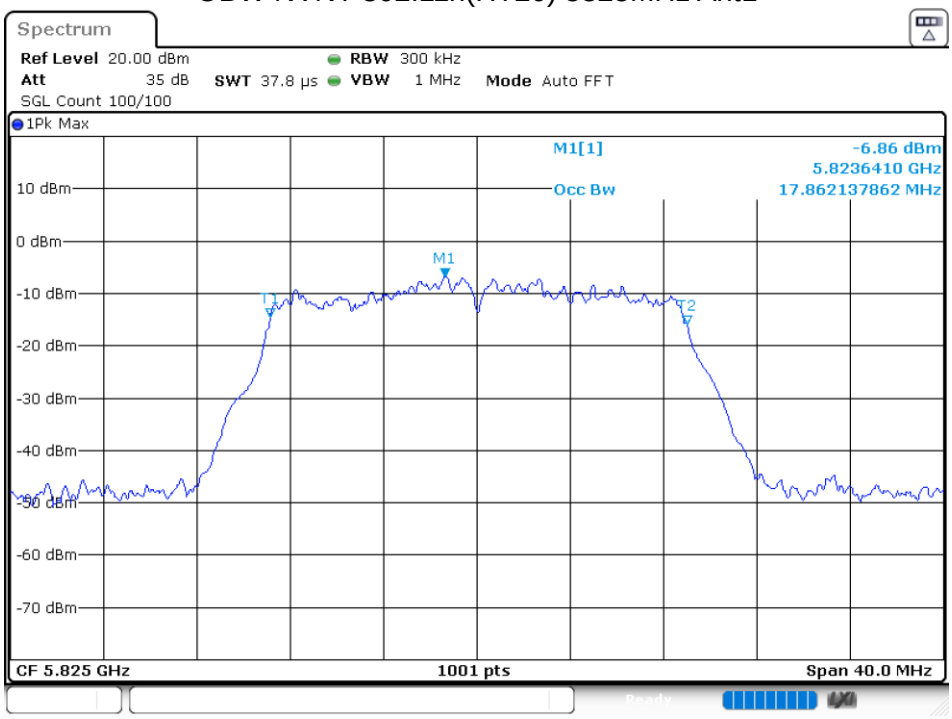
OBW NVNT 802.11n(HT20) 5785MHz Ant1



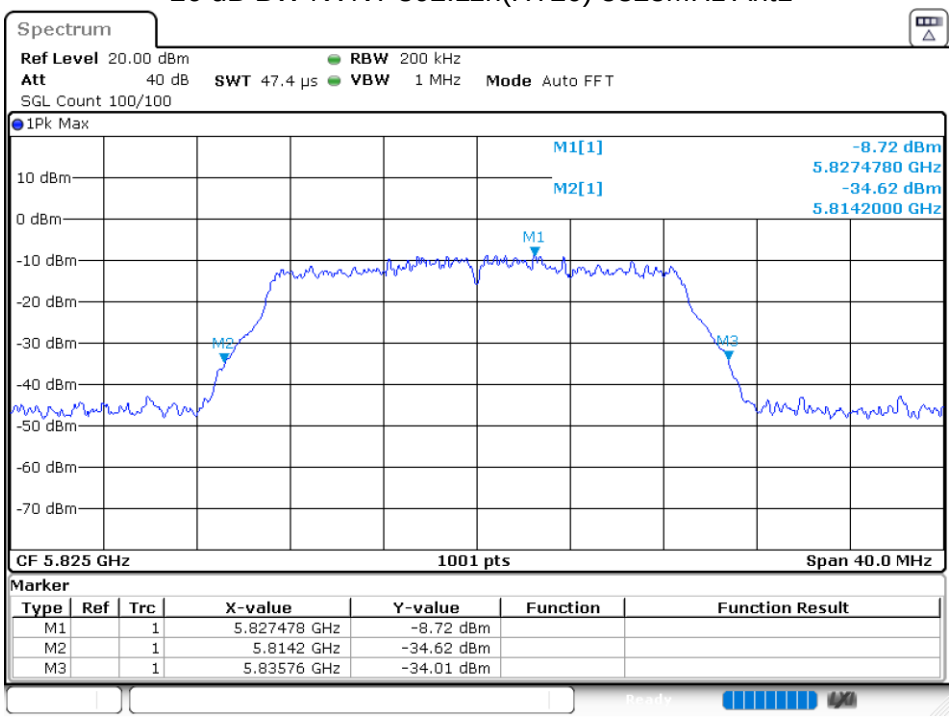
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



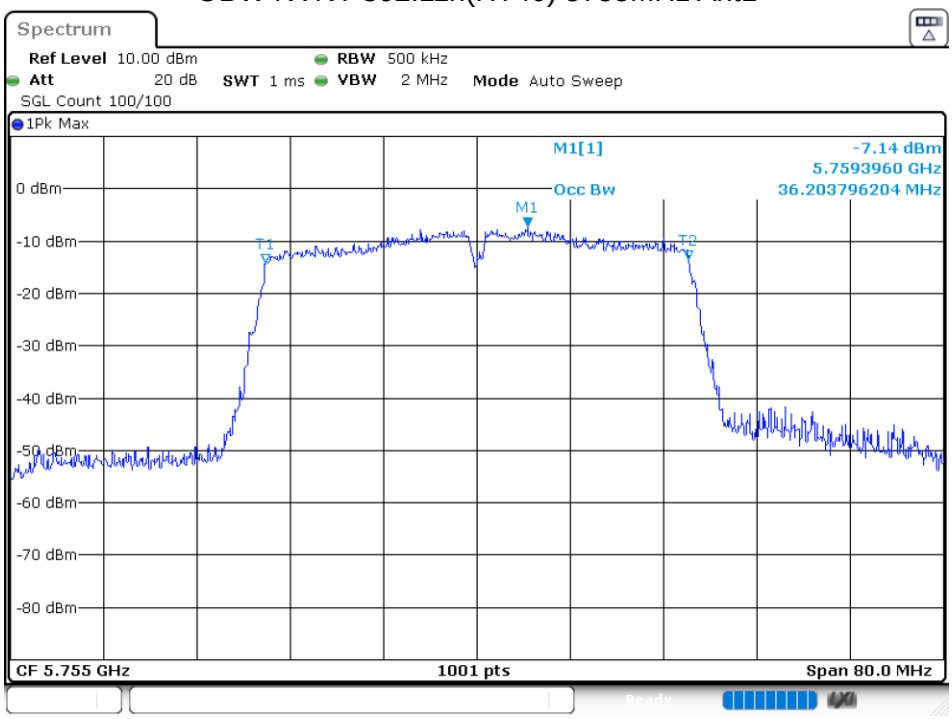
OBW NVNT 802.11n(HT20) 5825MHz Ant1



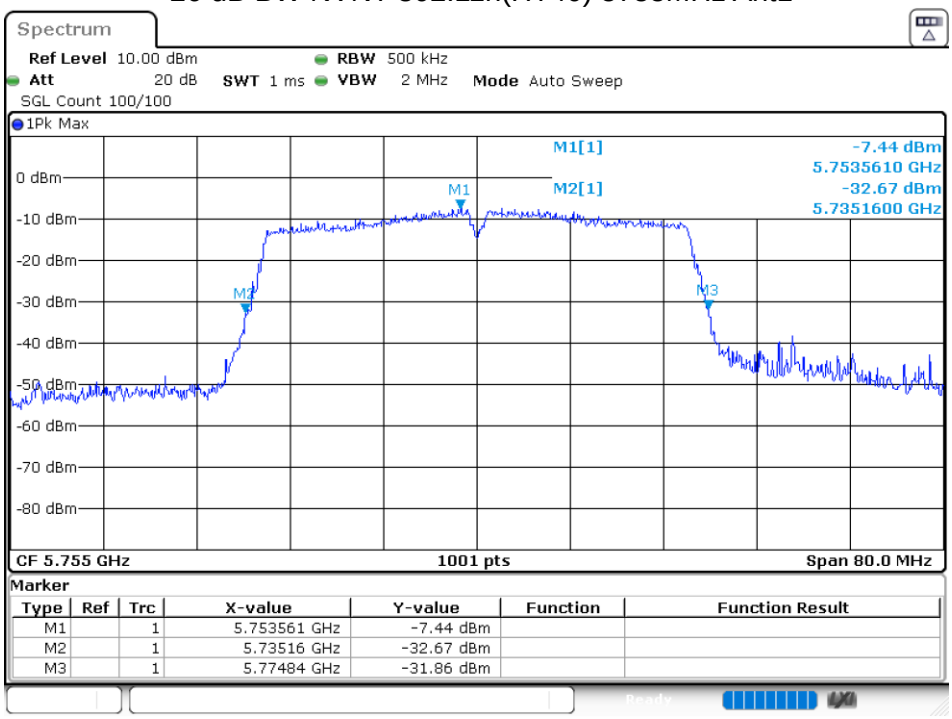
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



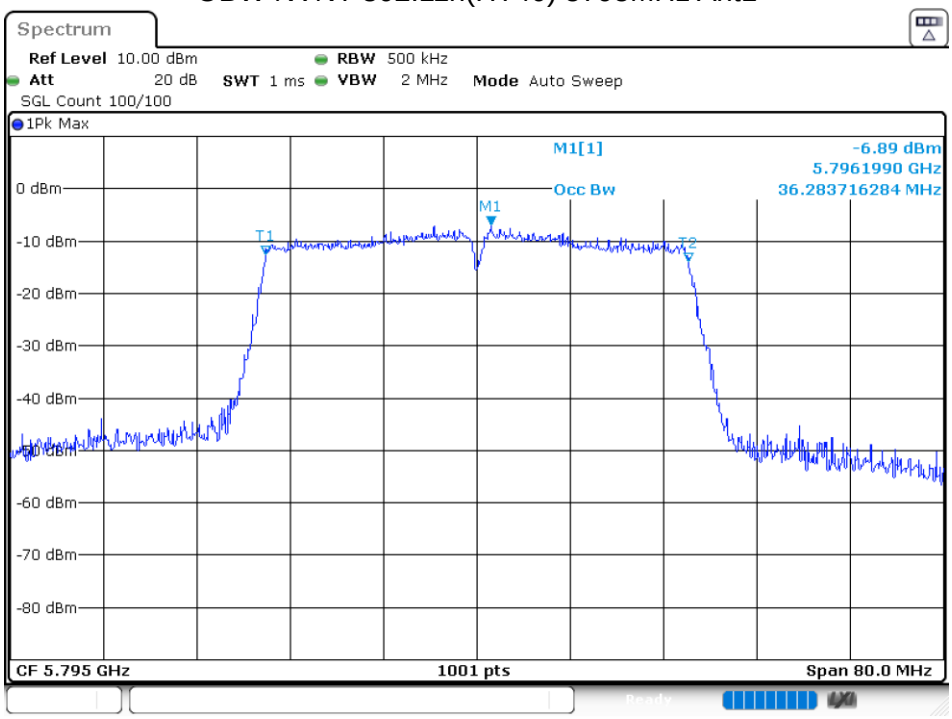
OBW NVNT 802.11n(HT40) 5755MHz Ant1



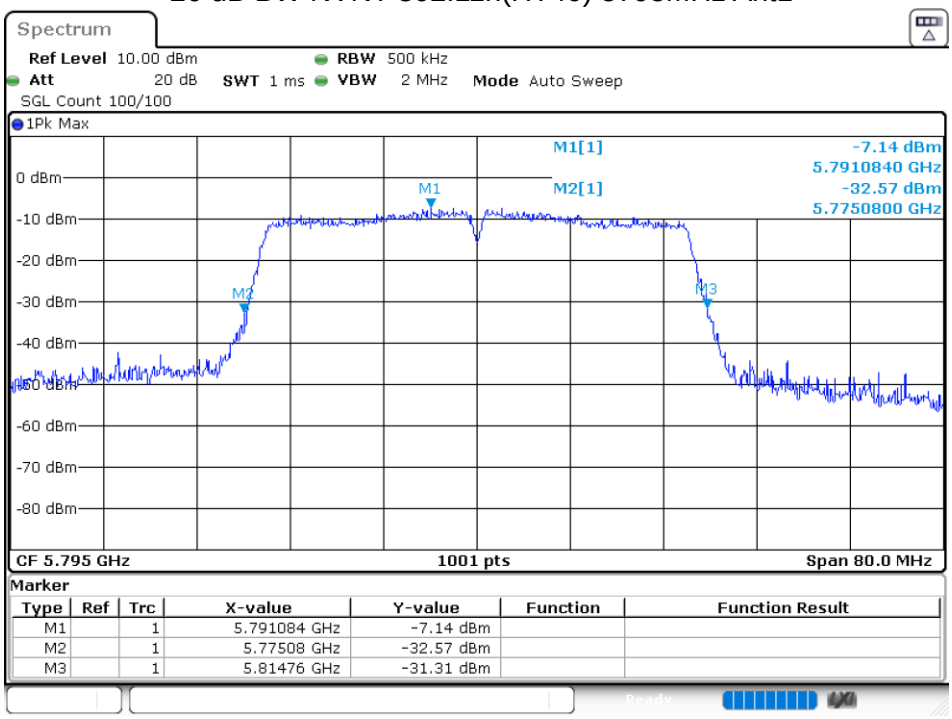
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1



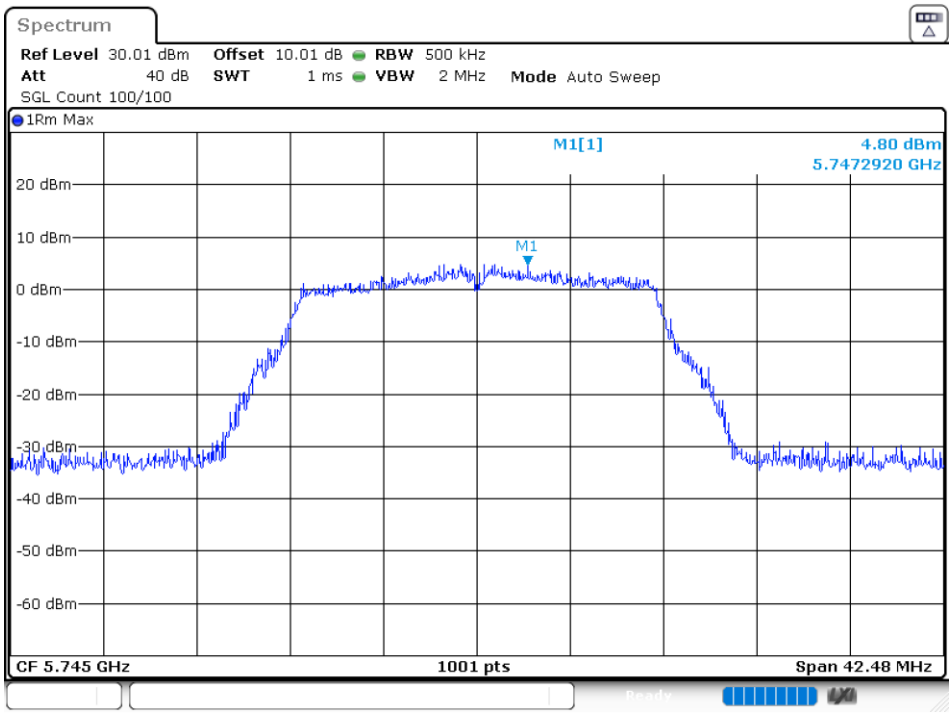
-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1



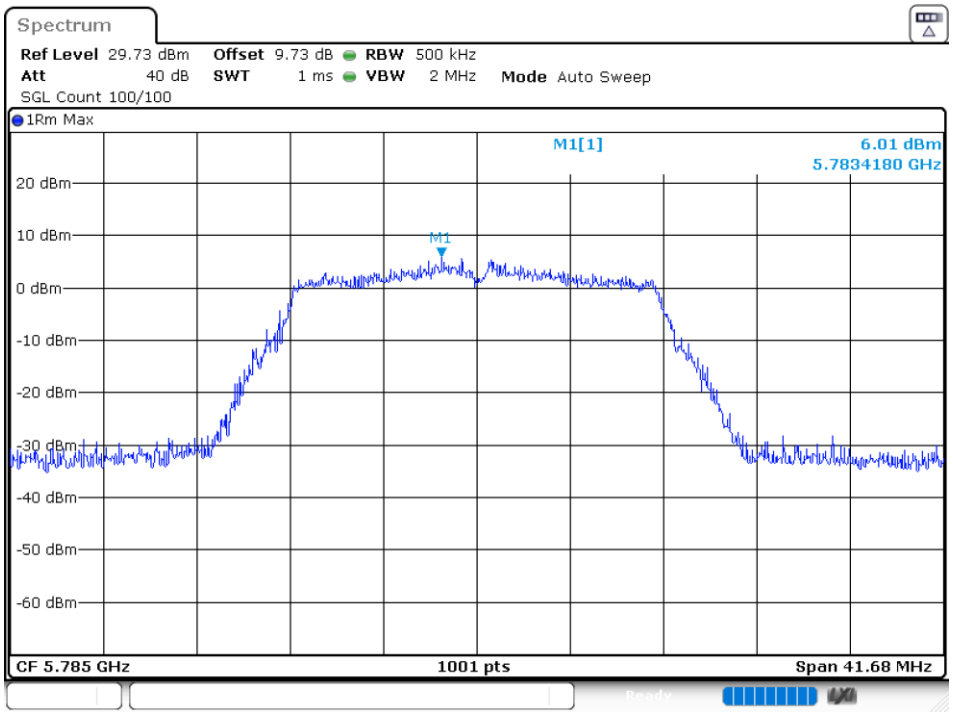
5.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
NVNT	802.11a	5745	Ant 1	4.804	30	Pass
NVNT	802.11a	5785	Ant 1	6.013	30	Pass
NVNT	802.11a	5825	Ant 1	5.457	30	Pass
NVNT	802.11ac20	5745	Ant 1	4.747	30	Pass
NVNT	802.11ac20	5785	Ant 1	5.394	30	Pass
NVNT	802.11ac20	5825	Ant 1	4.773	30	Pass
NVNT	802.11ac40	5755	Ant 1	2.256	30	Pass
NVNT	802.11ac40	5795	Ant 1	2.204	30	Pass
NVNT	802.11ac80	5775	Ant 1	-0.76	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	3.849	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	5.193	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	5.524	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	1.976	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	1.109	30	Pass

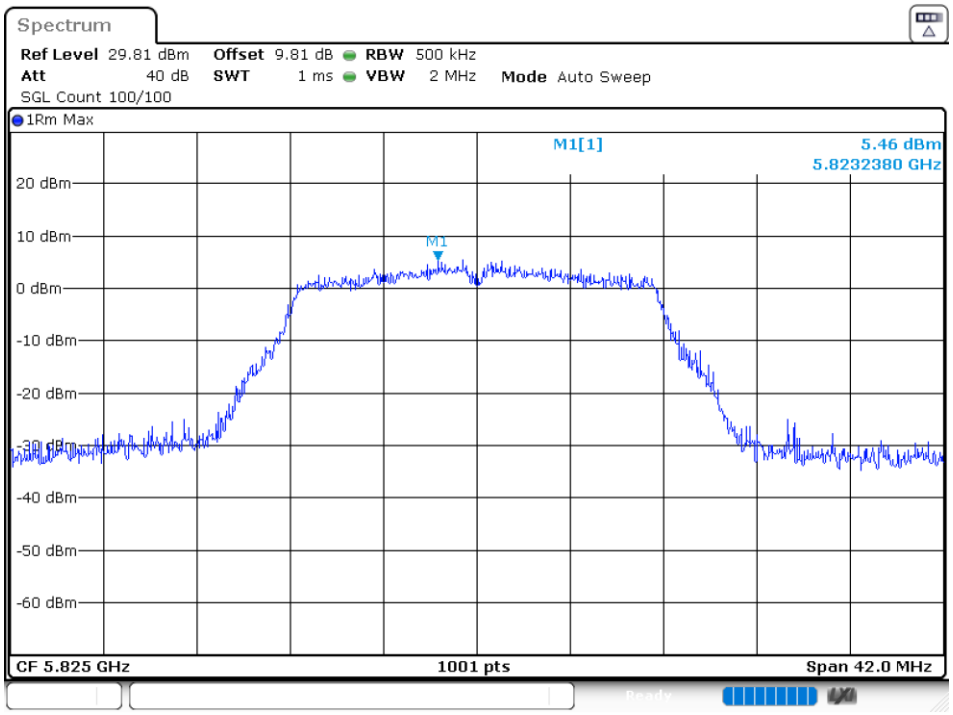
PSD NVNT 802.11a 5745MHz Ant1



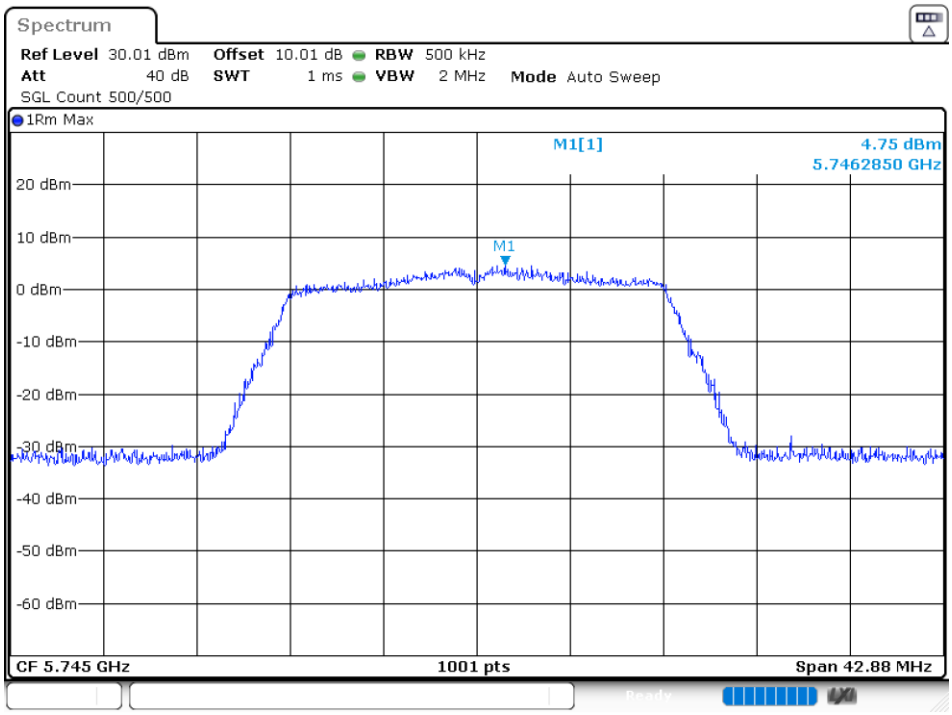
PSD NVNT 802.11a 5785MHz Ant1



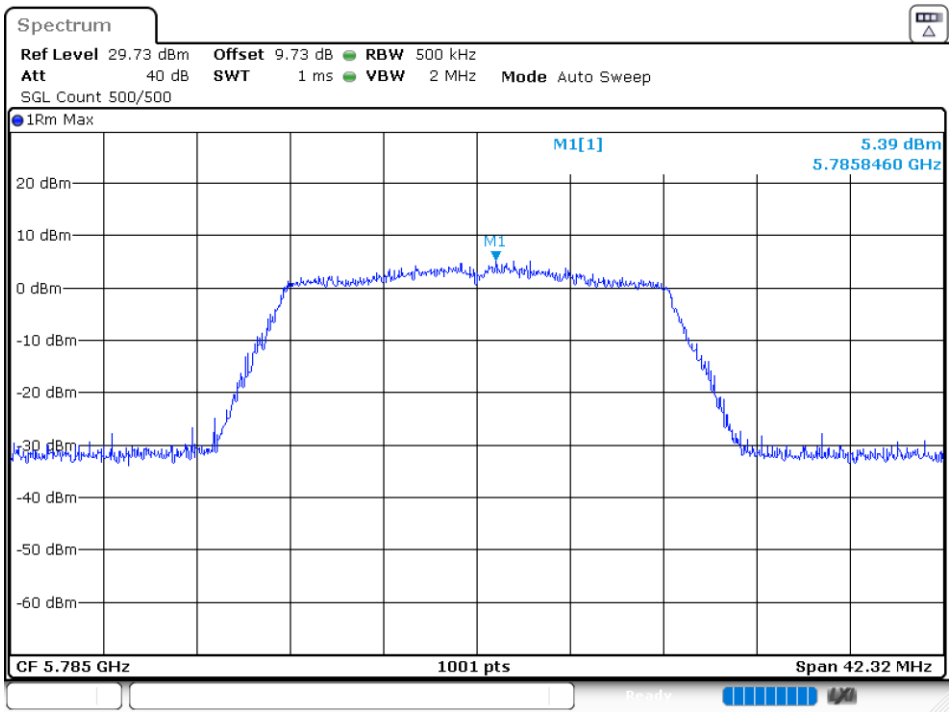
PSD NVNT 802.11a 5825MHz Ant1



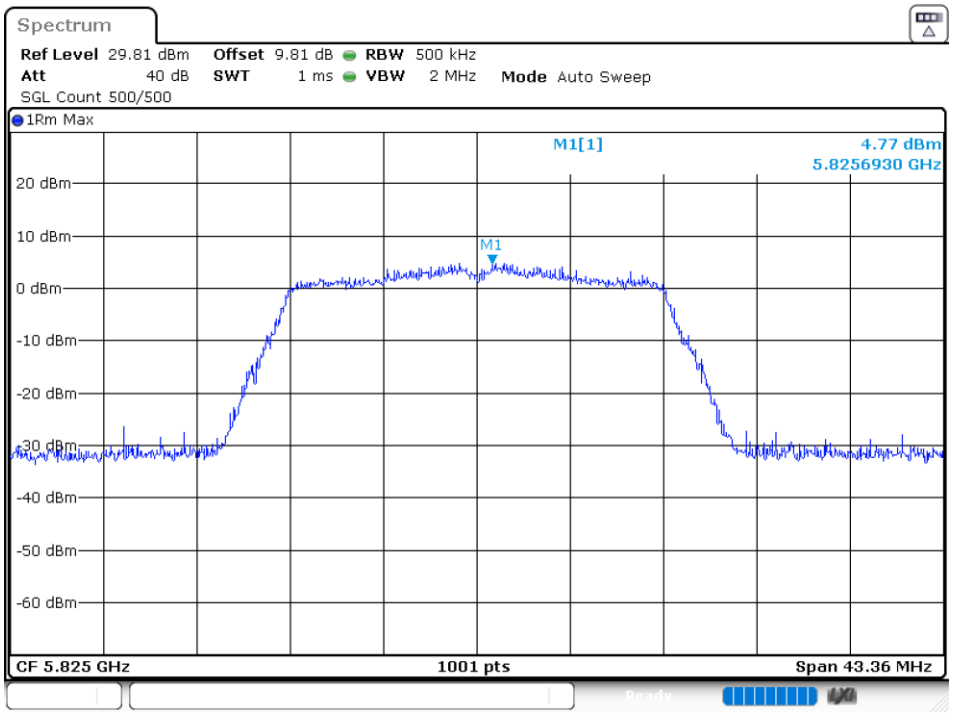
PSD NVNT 802.11ac20 5745MHz Ant1



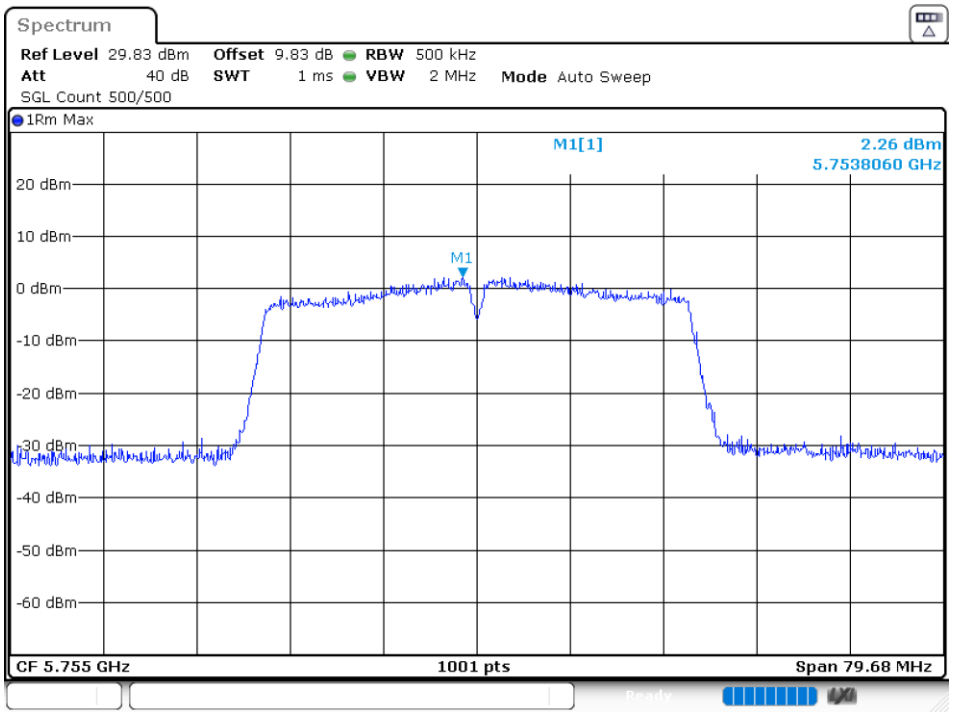
PSD NVNT 802.11ac20 5785MHz Ant1



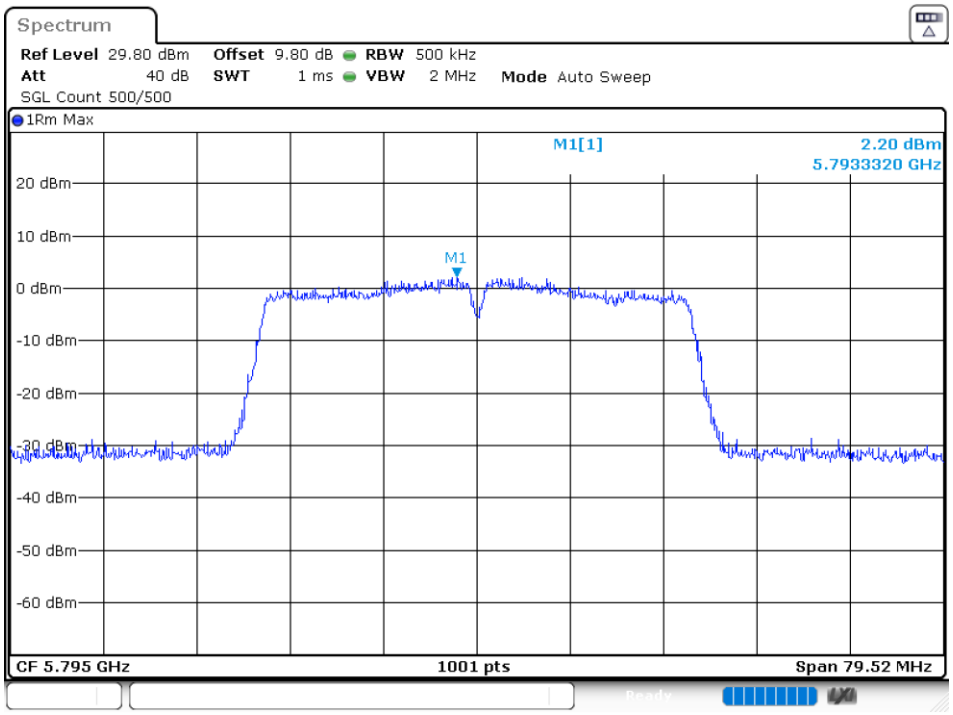
PSD NVNT 802.11ac20 5825MHz Ant1



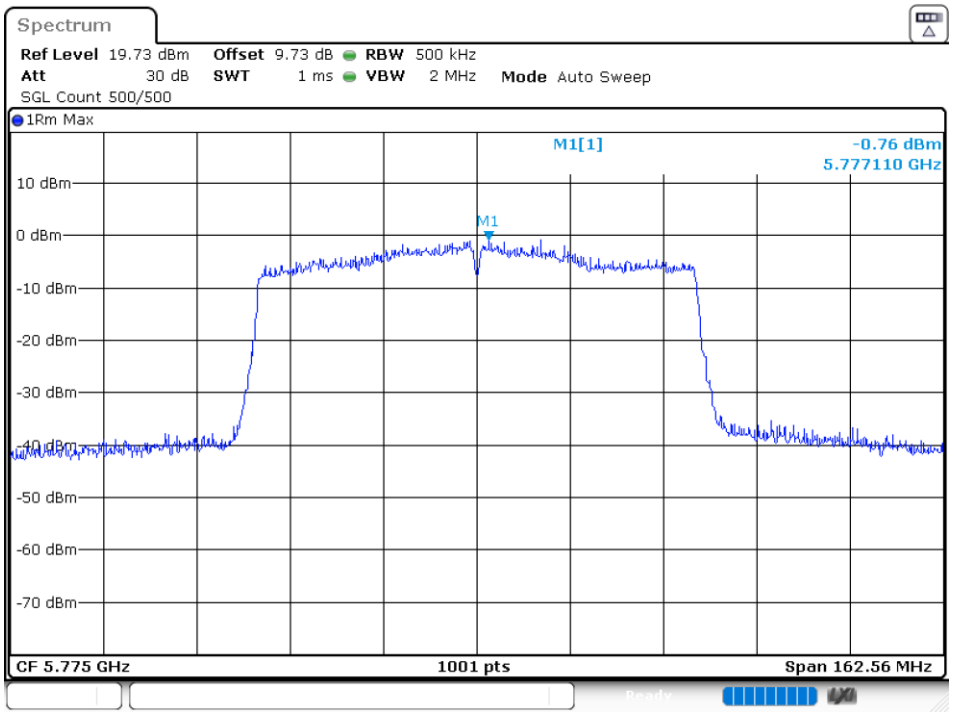
PSD NVNT 802.11ac40 5755MHz Ant1



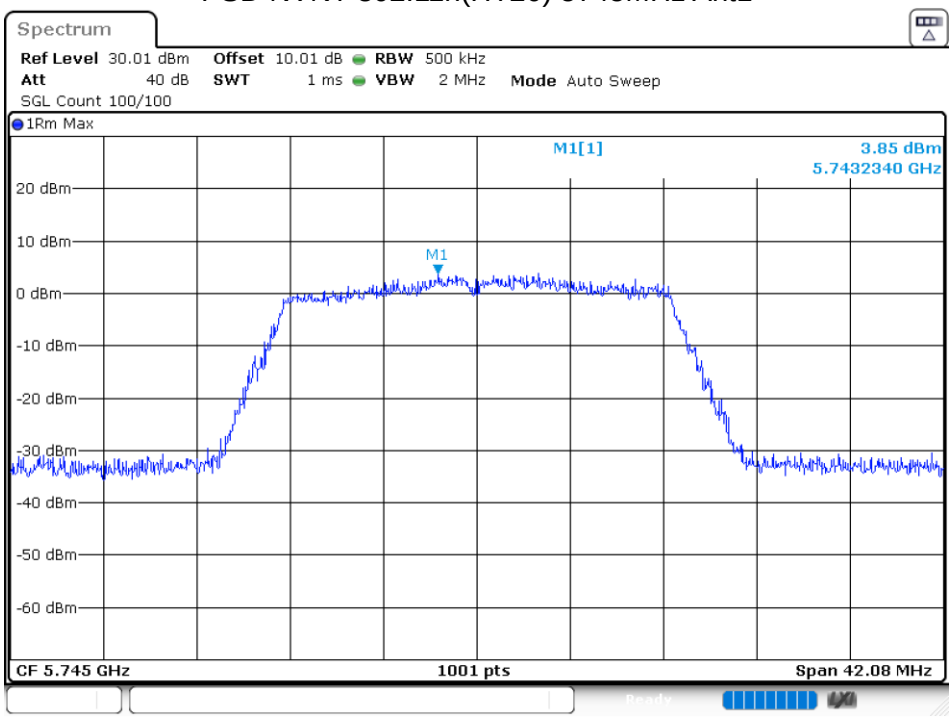
PSD NVNT 802.11ac40 5795MHz Ant1



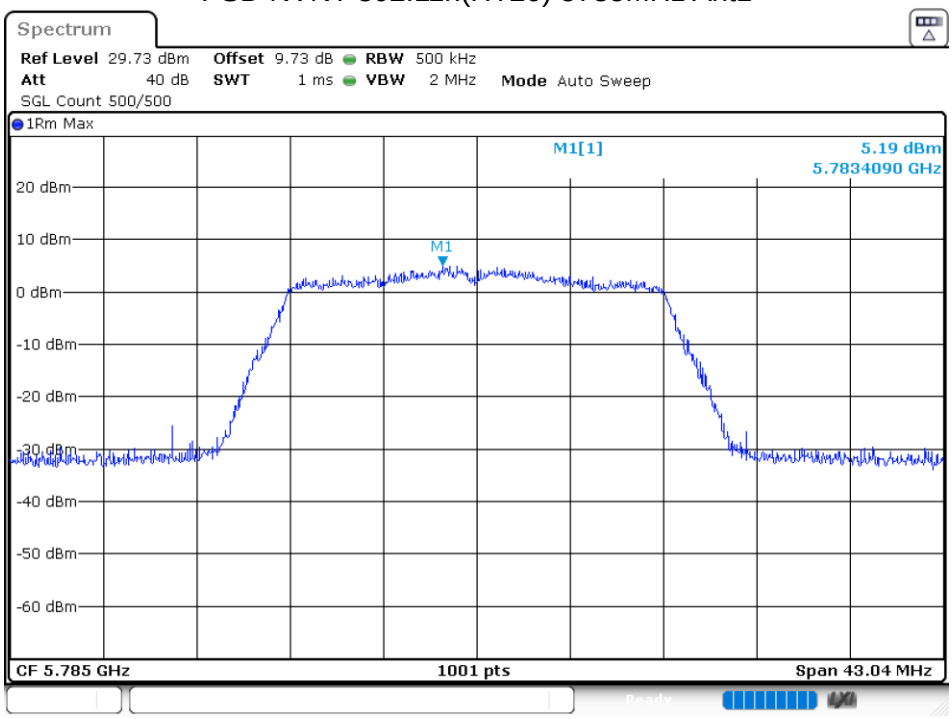
PSD NVNT 802.11ac80 5775MHz Ant1



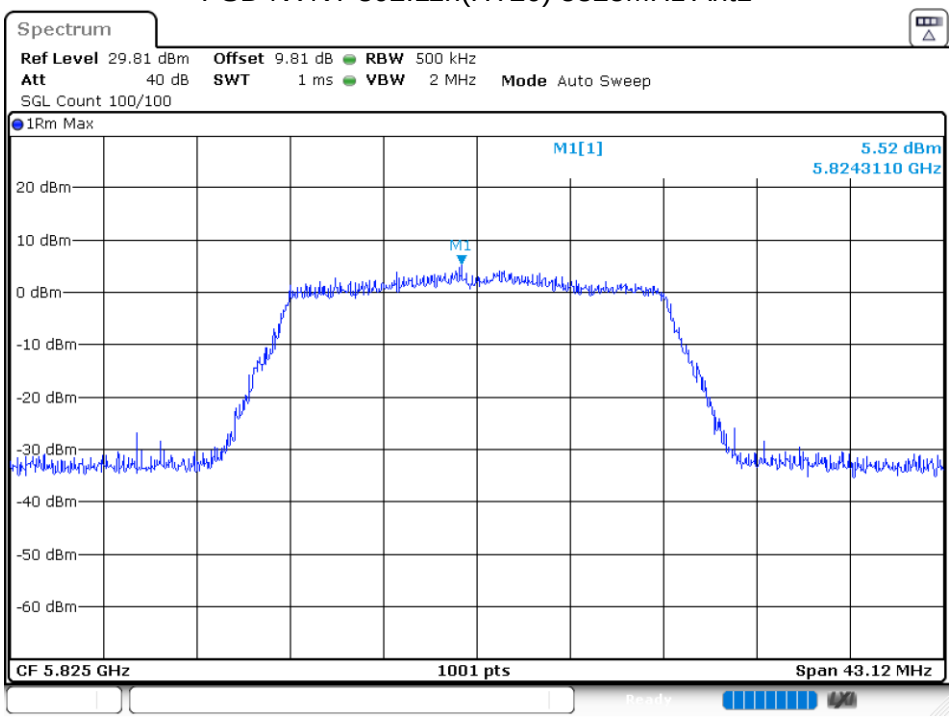
PSD NVNT 802.11n(HT20) 5745MHz Ant1



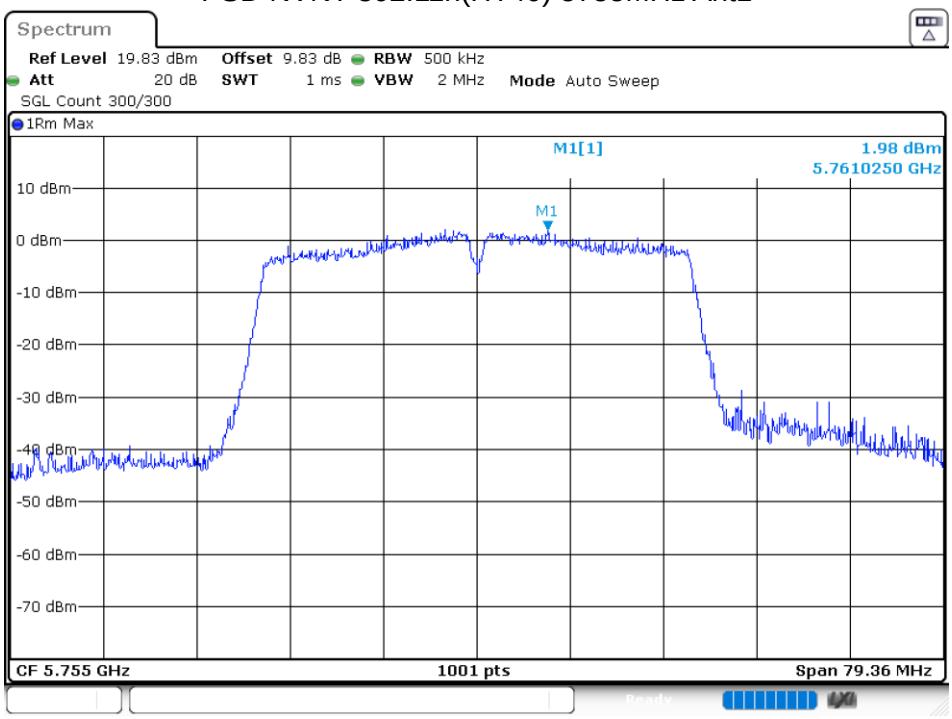
PSD NVNT 802.11n(HT20) 5785MHz Ant1



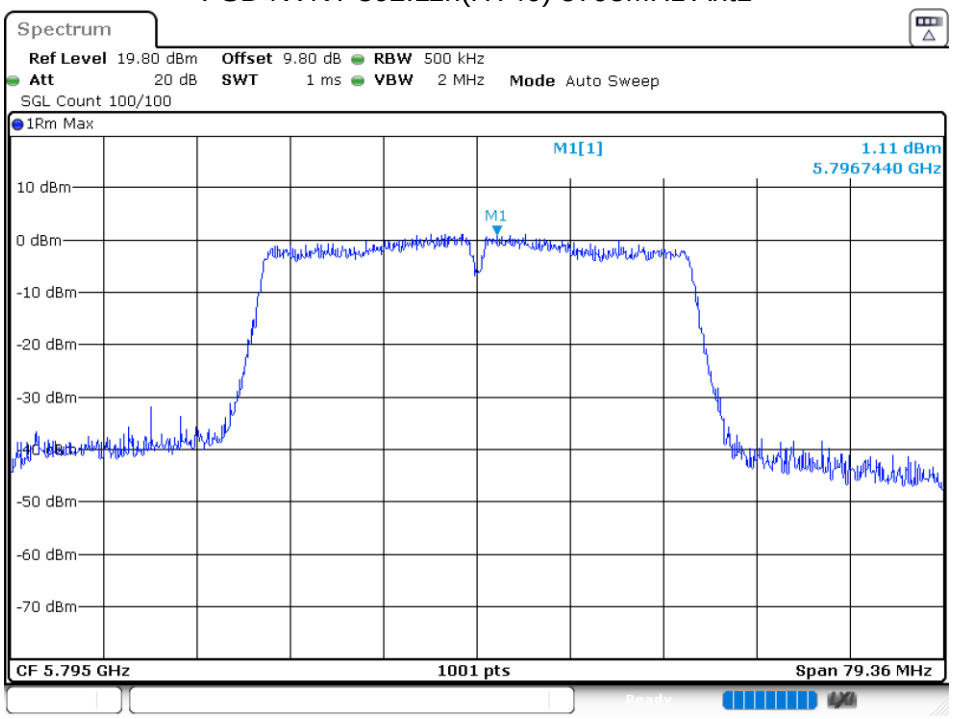
PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1



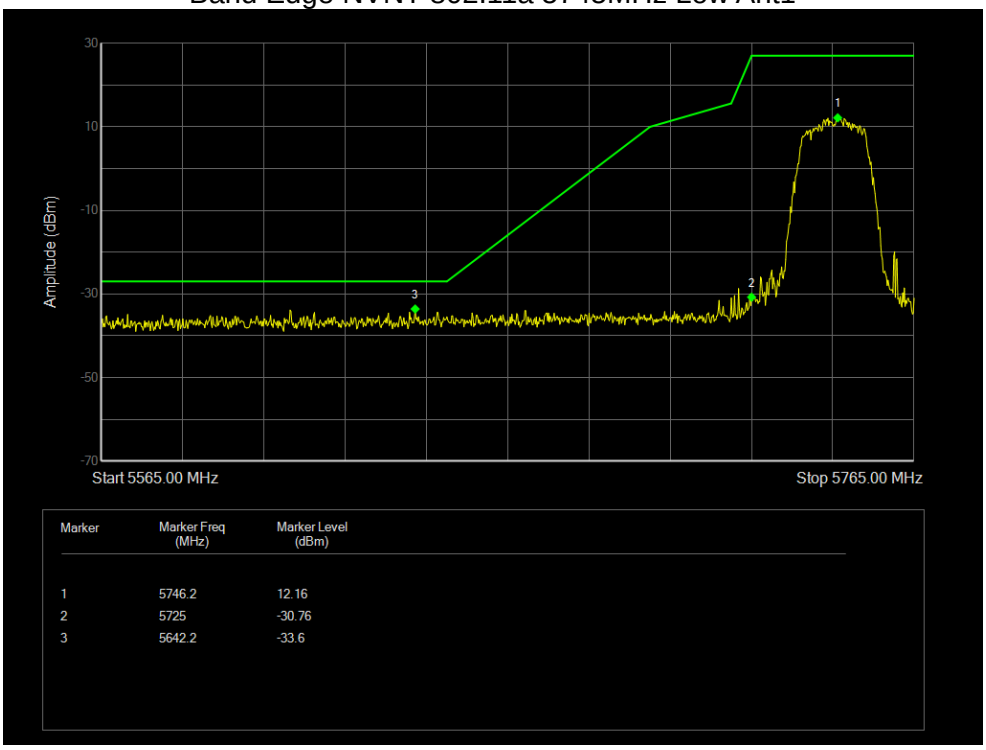
PSD NVNT 802.11n(HT40) 5795MHz Ant1



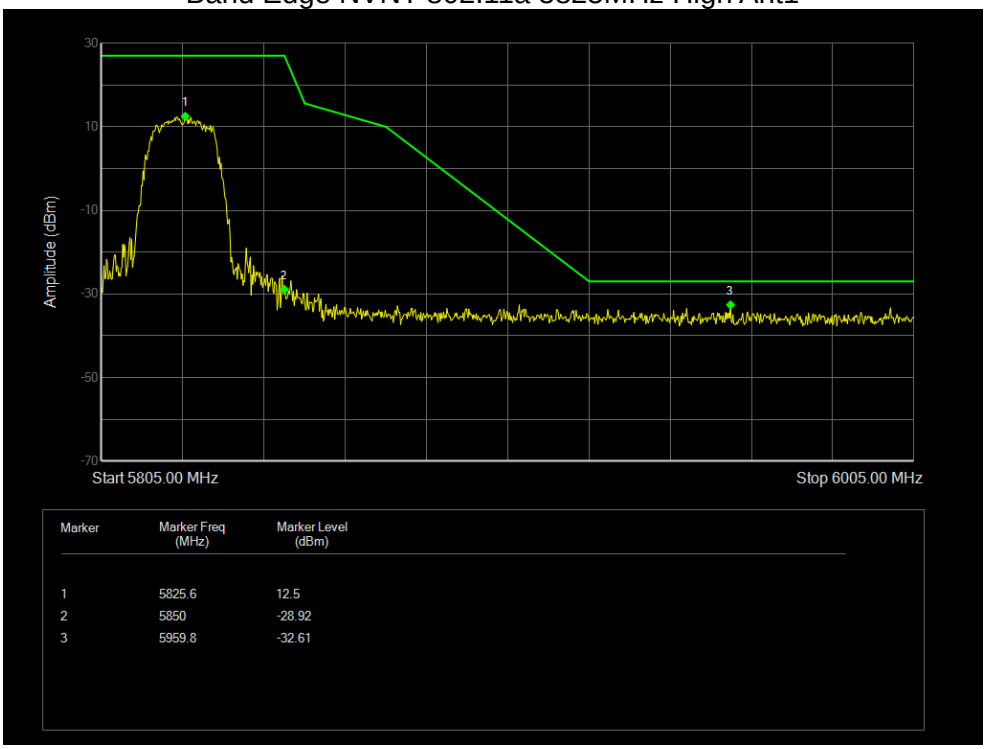
5.6 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-33.6	-27	Pass
NVNT	802.11a	5825	Ant 1	-32.61	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-33.85	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-32.54	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-34.54	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-33.36	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-34.74	-4.65	Pass
NVNT	802.11ac80	5775	Ant 1	-34.24	-23.15	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-33.23	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-32.36	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-34.76	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-33.24	-27	Pass

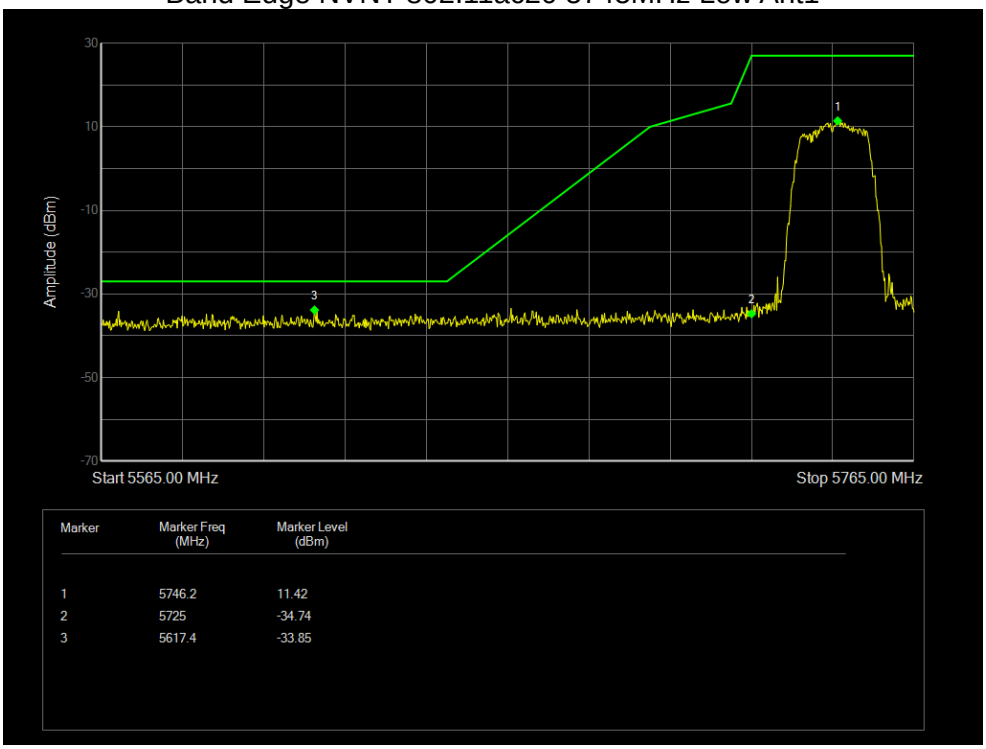
Band Edge NVNT 802.11a 5745MHz Low Ant1



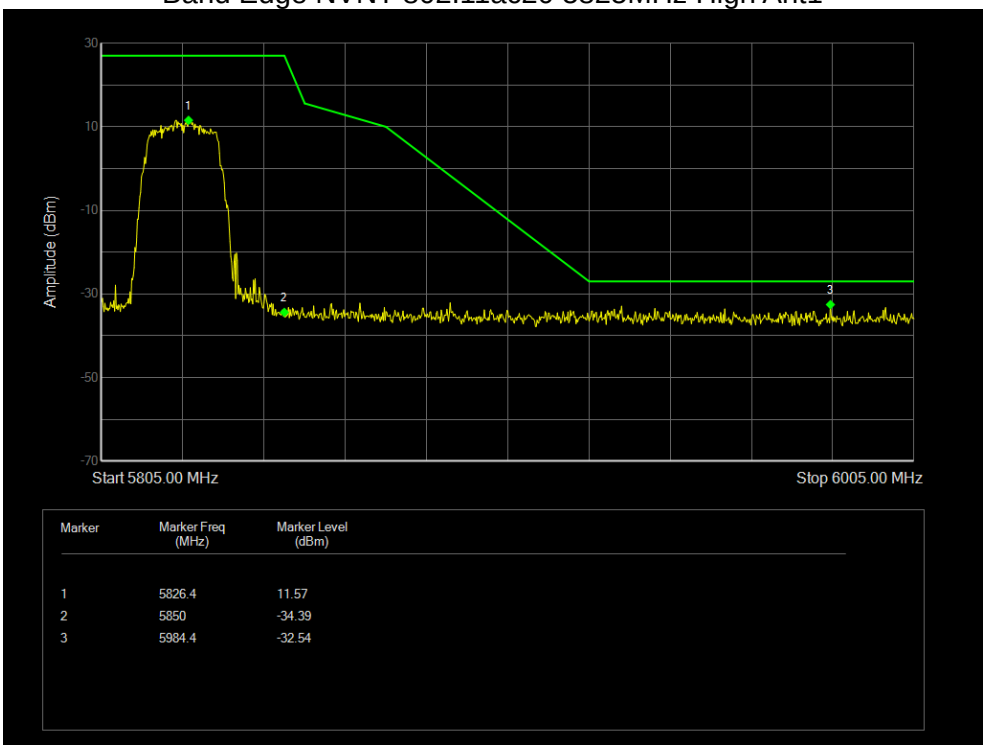
Band Edge NVNT 802.11a 5825MHz High Ant1



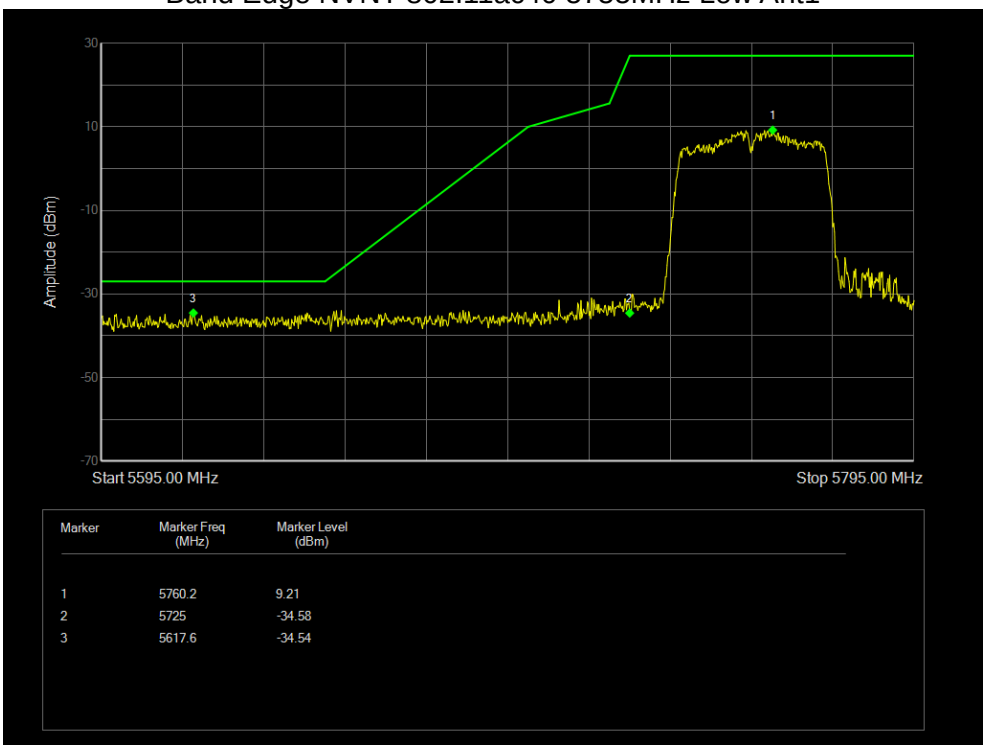
Band Edge NVNT 802.11ac20 5745MHz Low Ant1



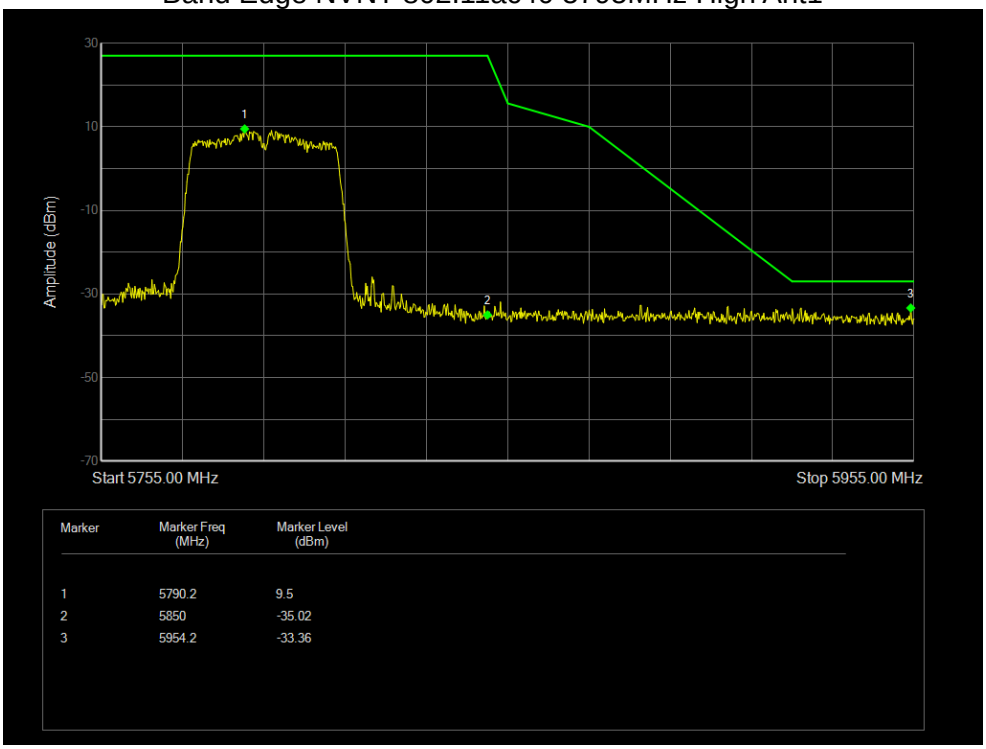
Band Edge NVNT 802.11ac20 5825MHz High Ant1



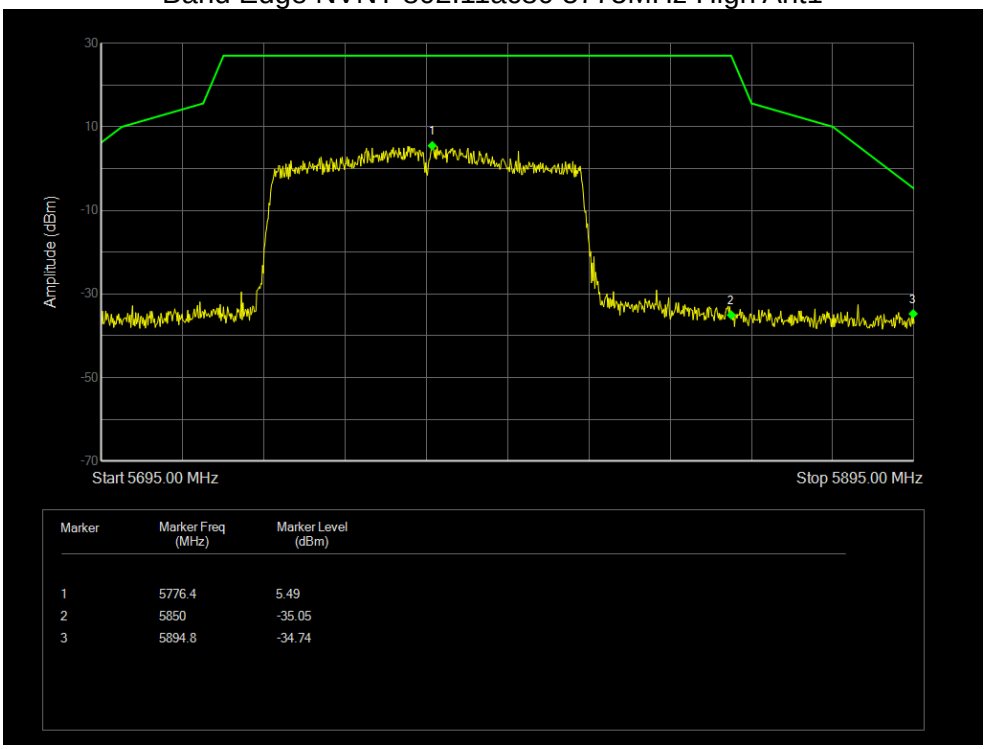
Band Edge NVNT 802.11ac40 5755MHz Low Ant1



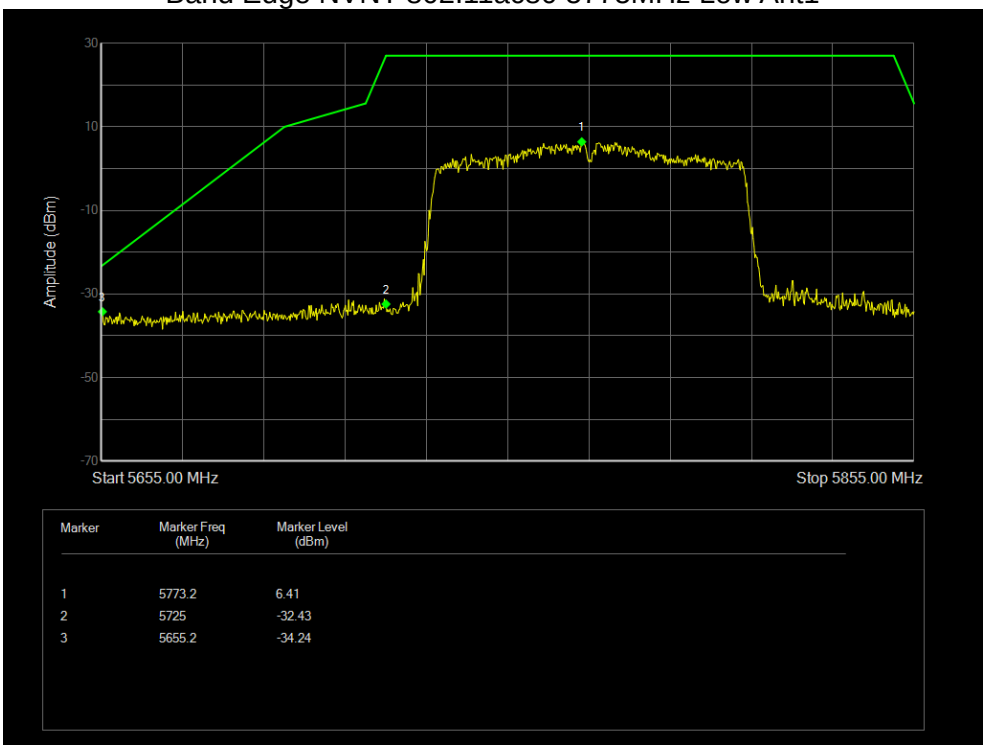
Band Edge NVNT 802.11ac40 5795MHz High Ant1



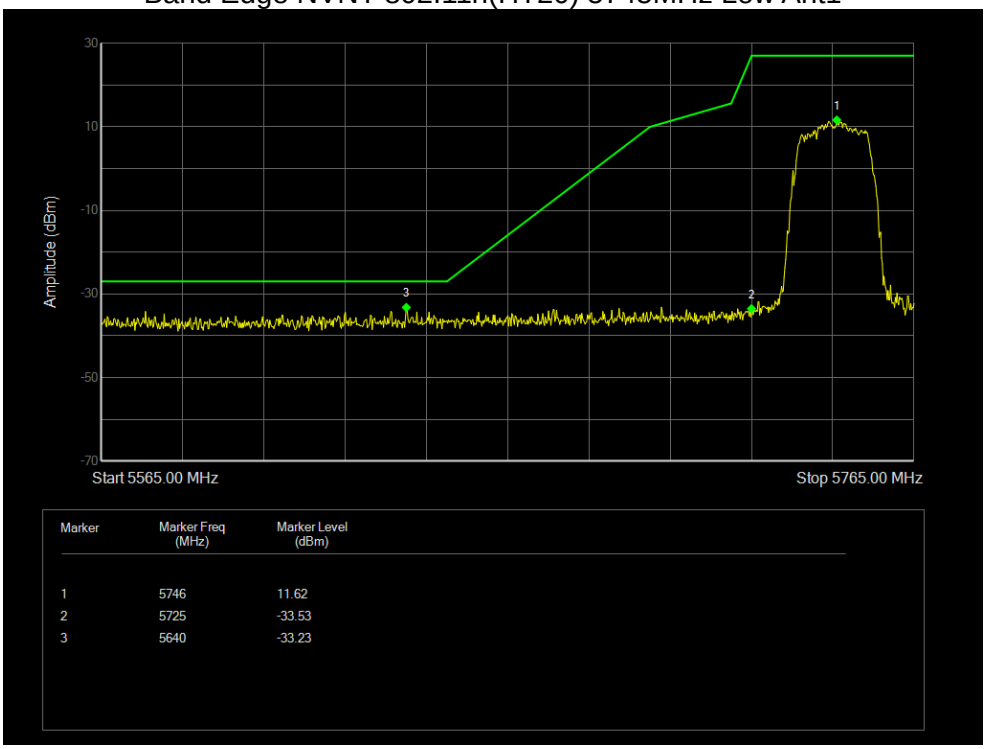
Band Edge NVNT 802.11ac80 5775MHz High Ant1



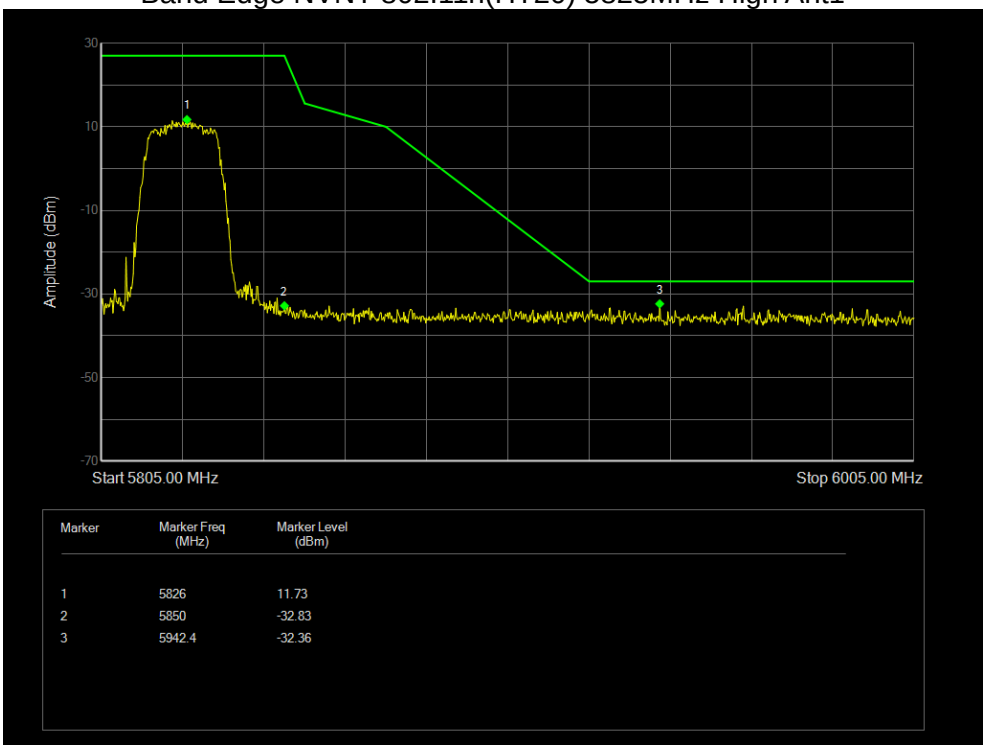
Band Edge NVNT 802.11ac80 5775MHz Low Ant1



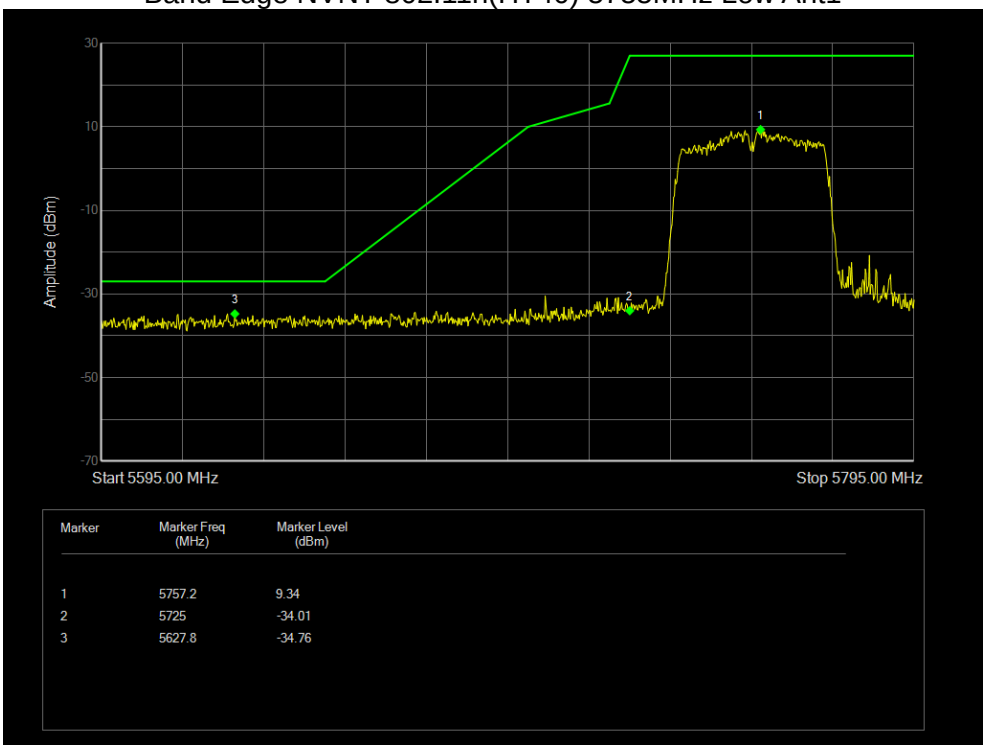
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant1



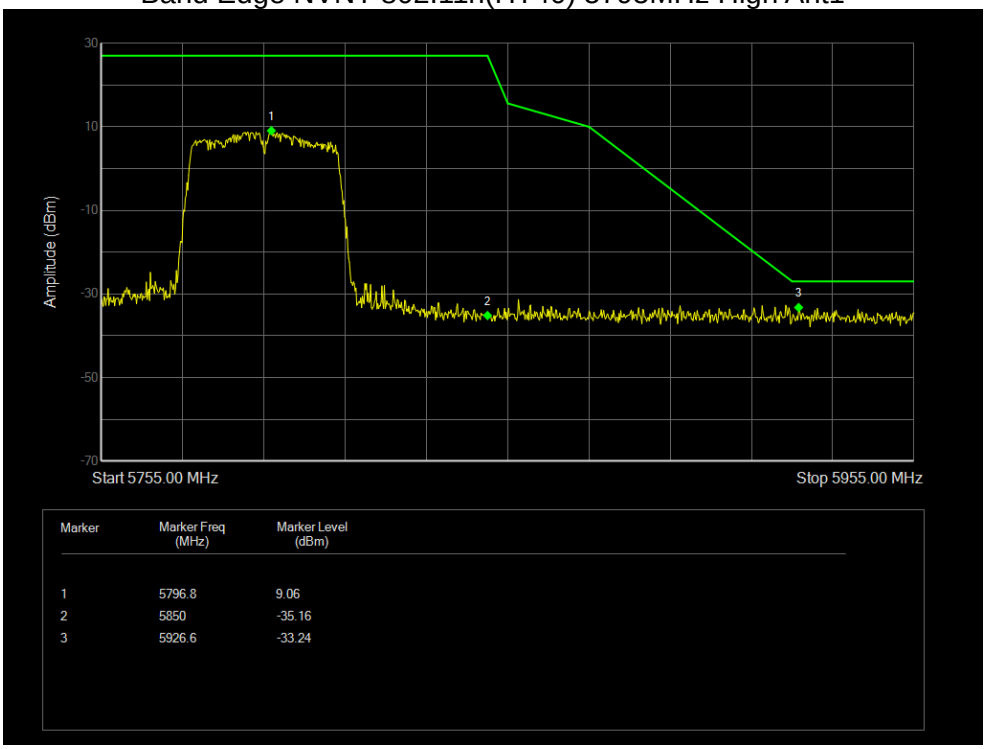
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1



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



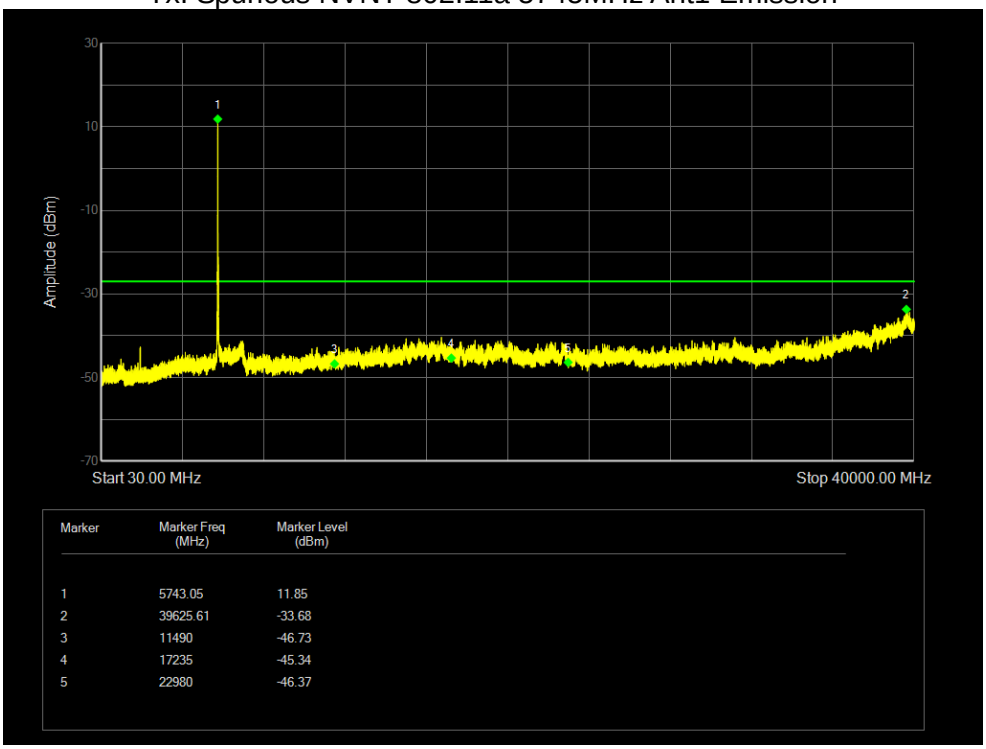
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant1



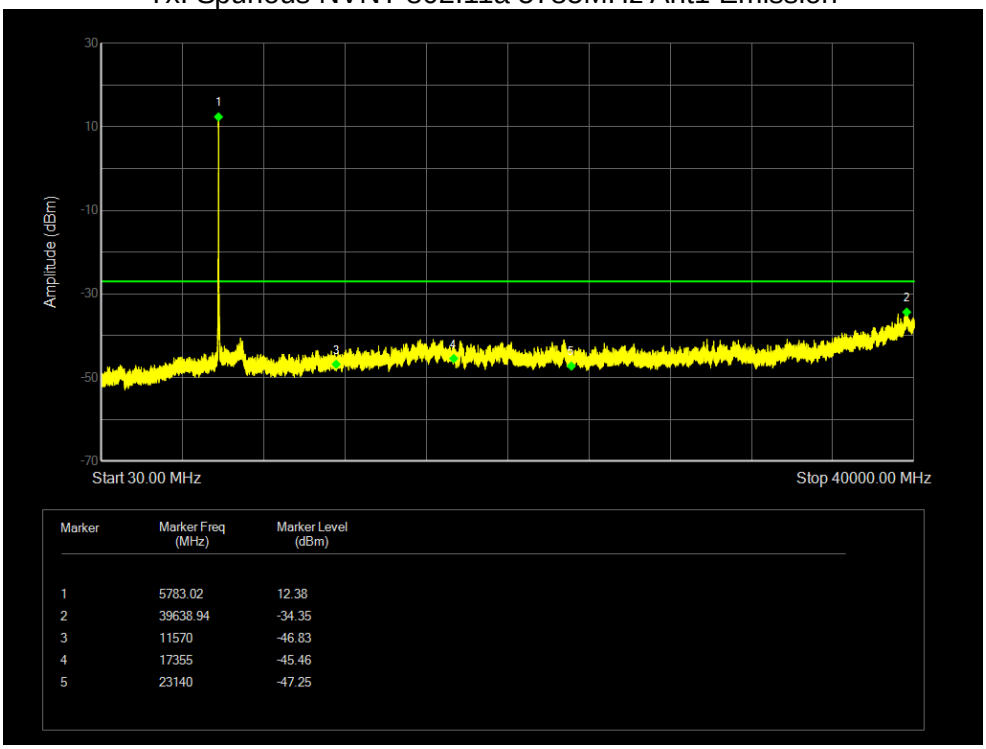
5.7 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 1	-33.68	-27	Pass
NVNT	802.11a	5785	Ant 1	-34.35	-27	Pass
NVNT	802.11a	5825	Ant 1	-33.14	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-33.9	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-34.36	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-34.09	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-34.64	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-34.22	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-33.61	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-33.55	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-33.67	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-33.99	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-33.64	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-33.29	-27	Pass

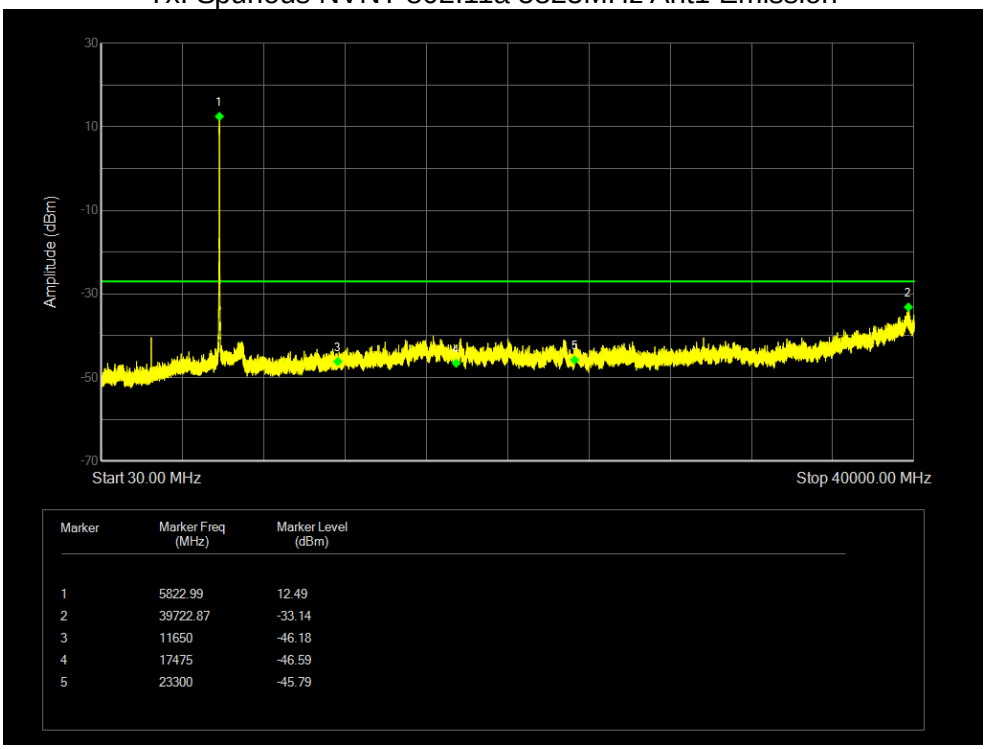
Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



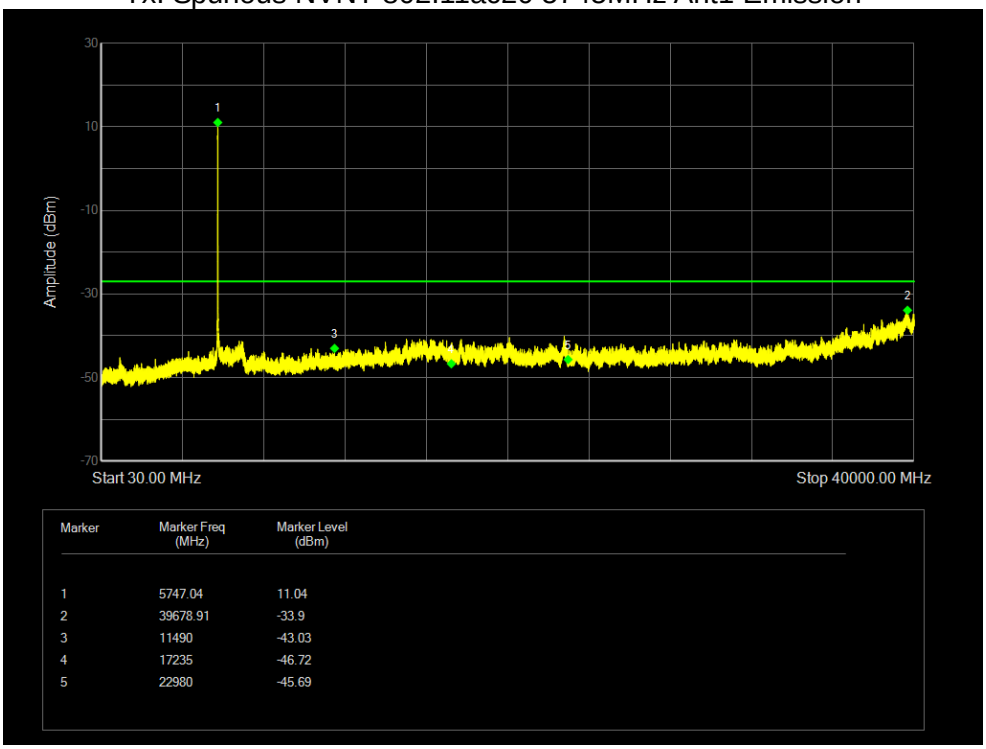
Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



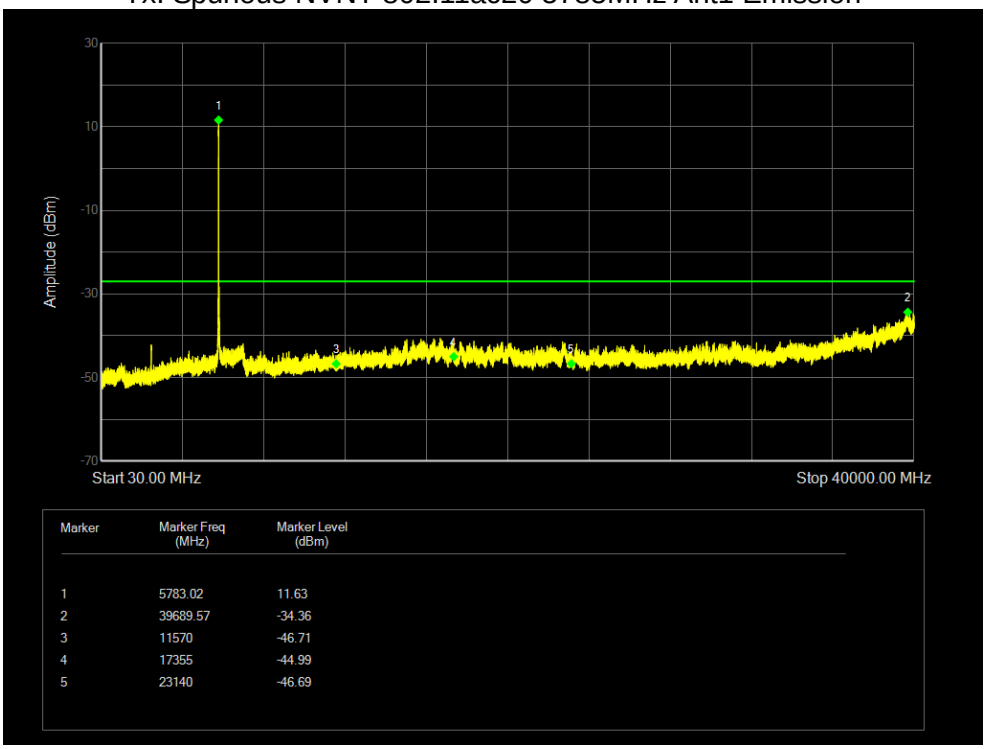
Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission



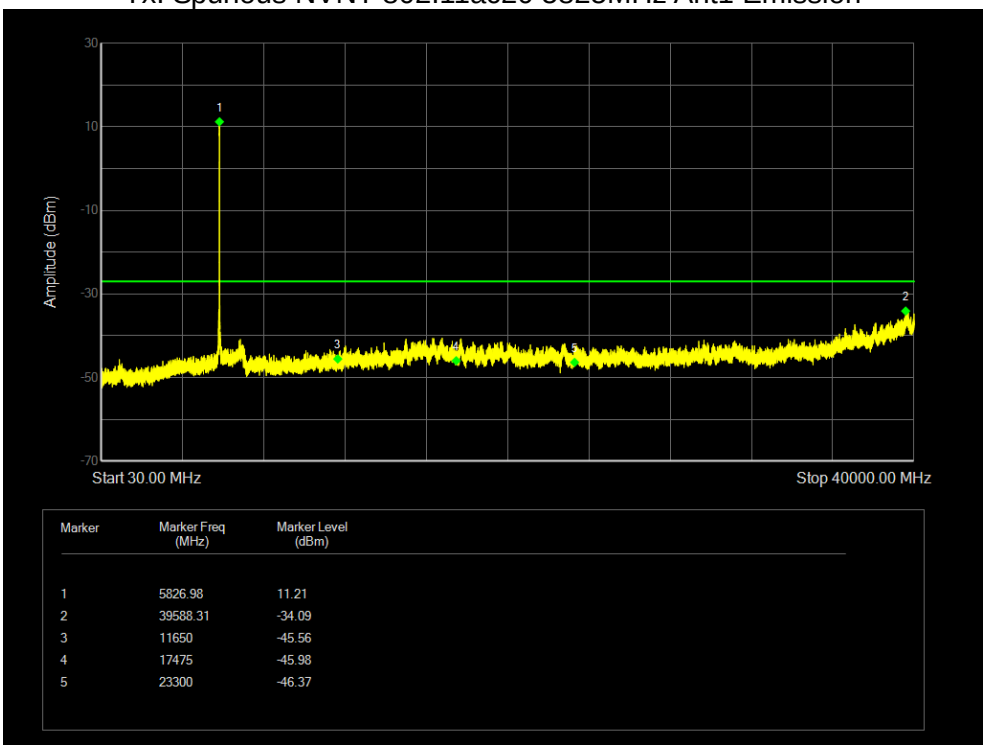
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



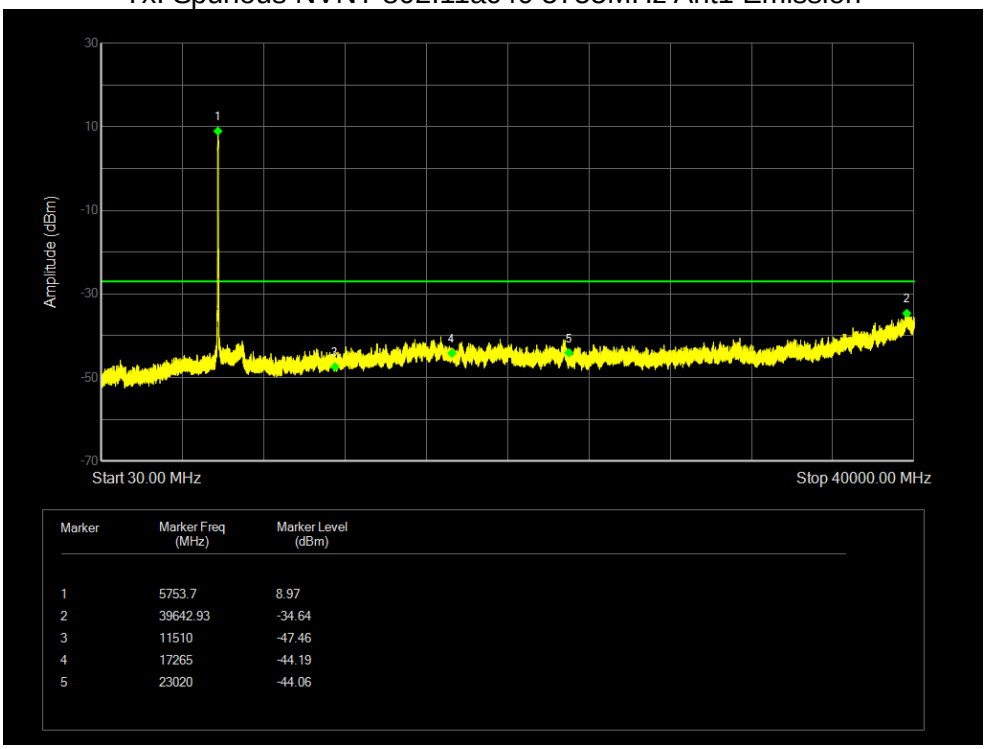
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



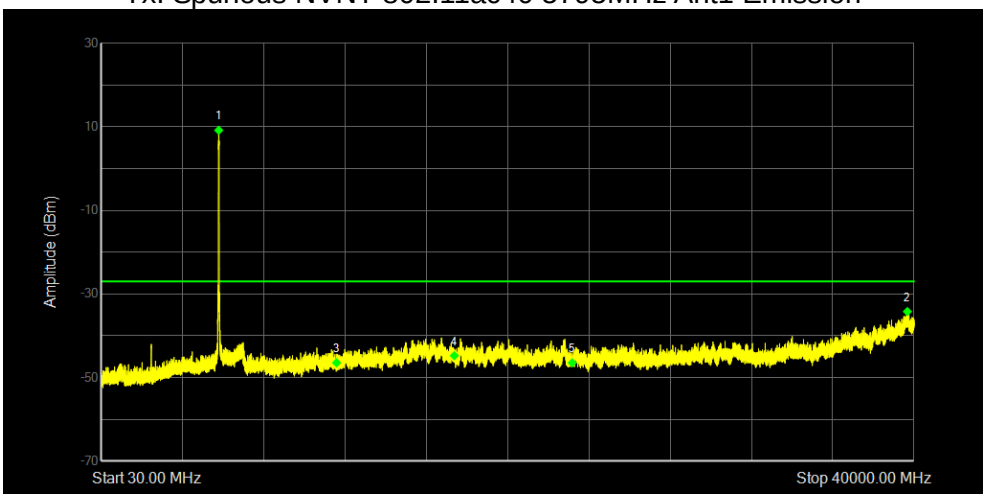
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission

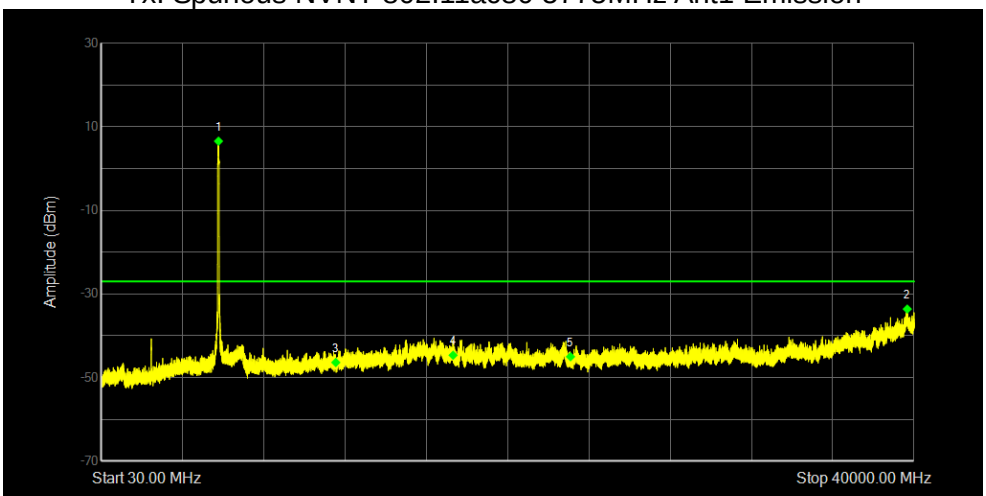


Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission



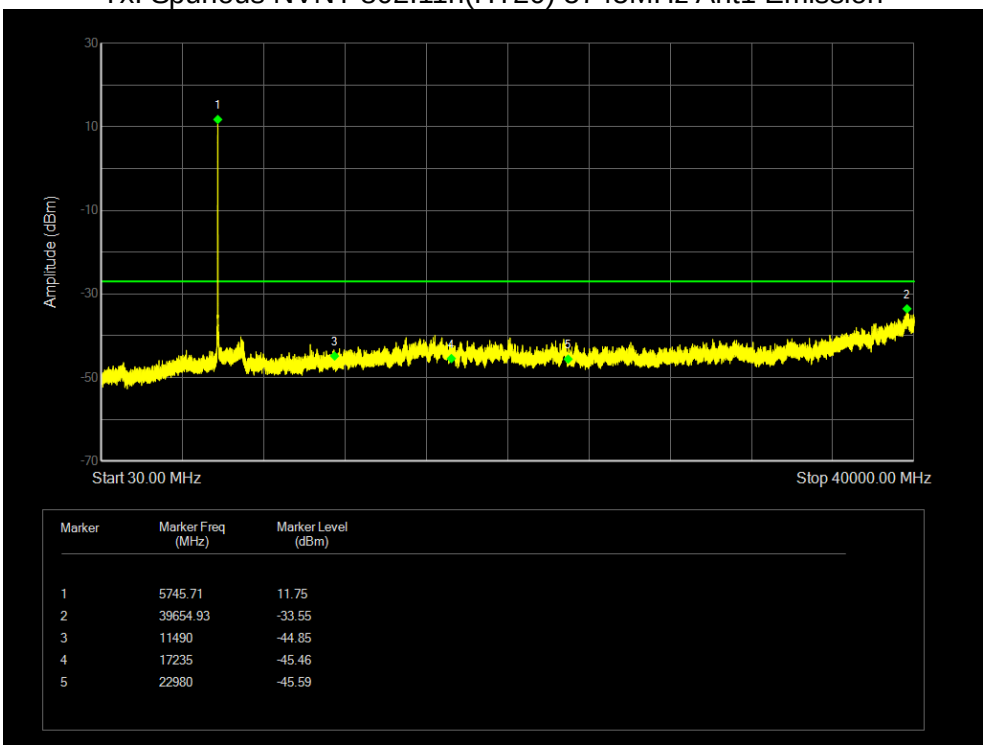
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5792.34	9.17
2	39670.91	-34.22
3	11590	-46.47
4	17385	-44.76
5	23180	-46.48

Tx. Spurious NVNT 802.11ac80 5775MHz Ant1 Emission

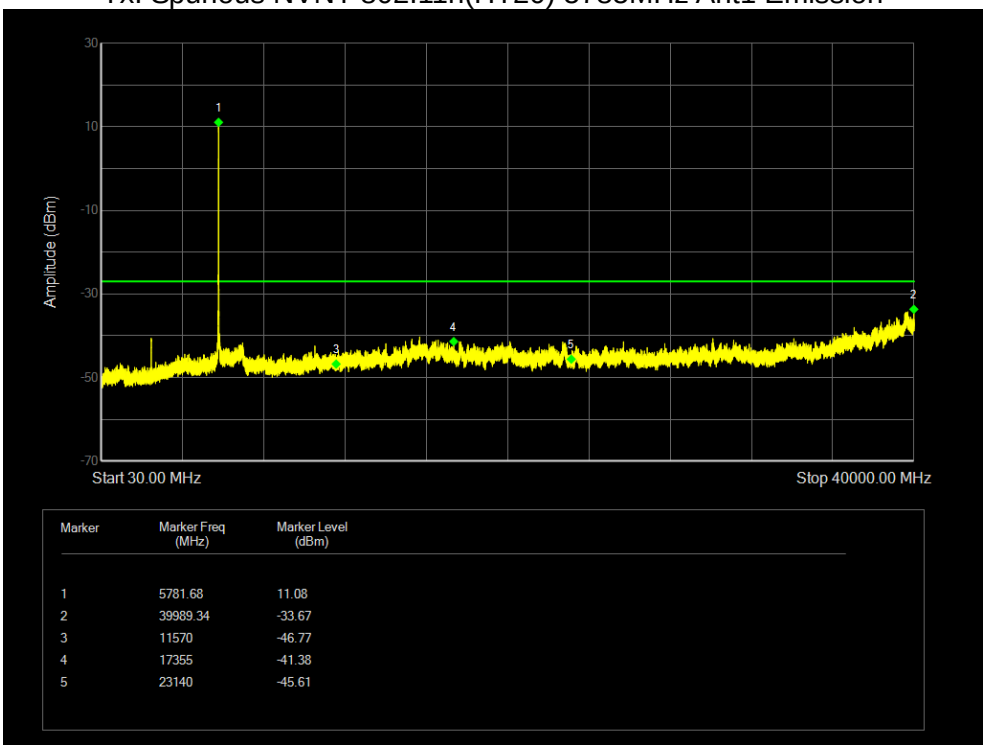


Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5781.68	6.57
2	39664.25	-33.61
3	11550	-46.4
4	17325	-44.67
5	23100	-45.02

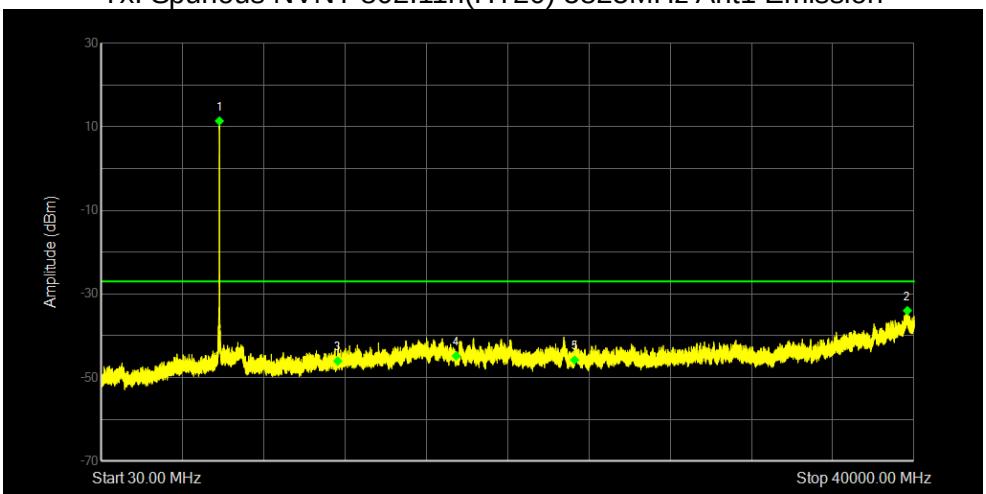
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission



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

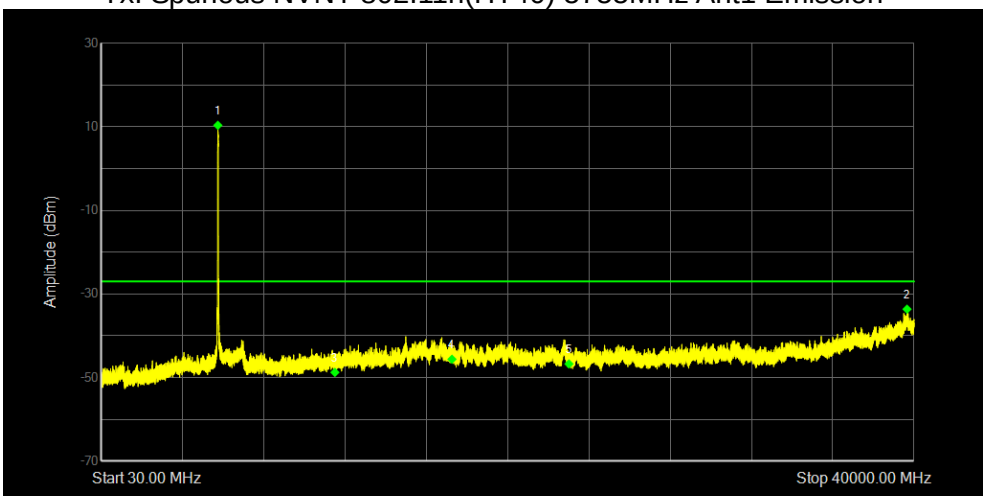


Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission



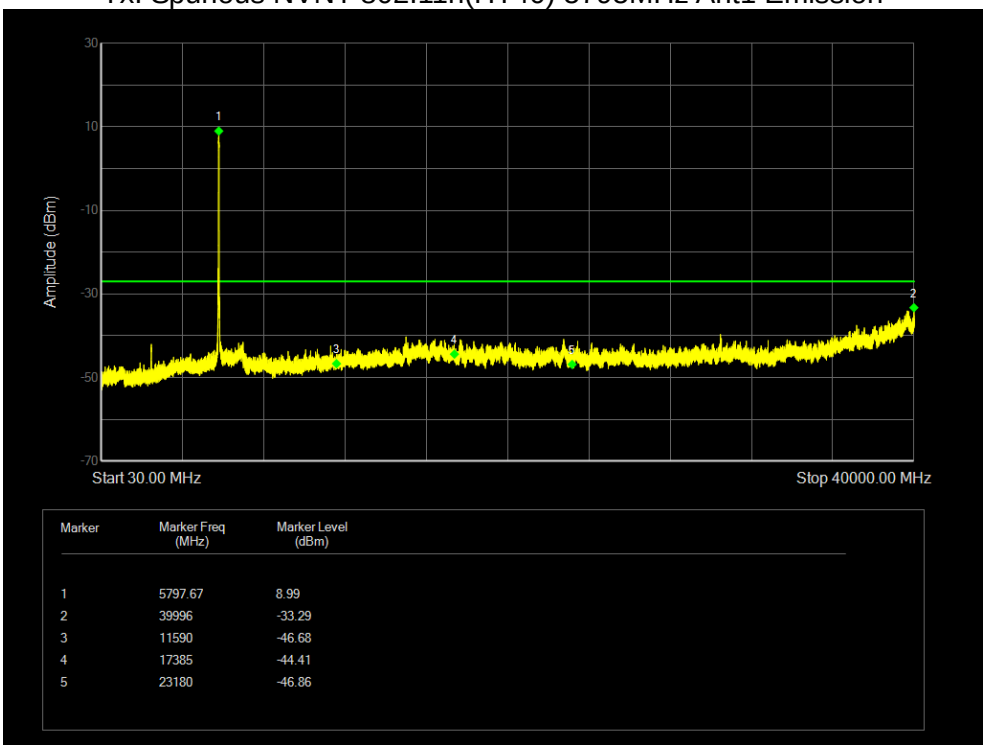
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5826.98	11.4
2	39673.58	-33.99
3	11650	-46.07
4	17475	-44.84
5	23300	-45.81

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



Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5751.04	10.36
2	39653.59	-33.64
3	11510	-48.76
4	17265	-45.62
5	23020	-46.74

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



END OF REPORT