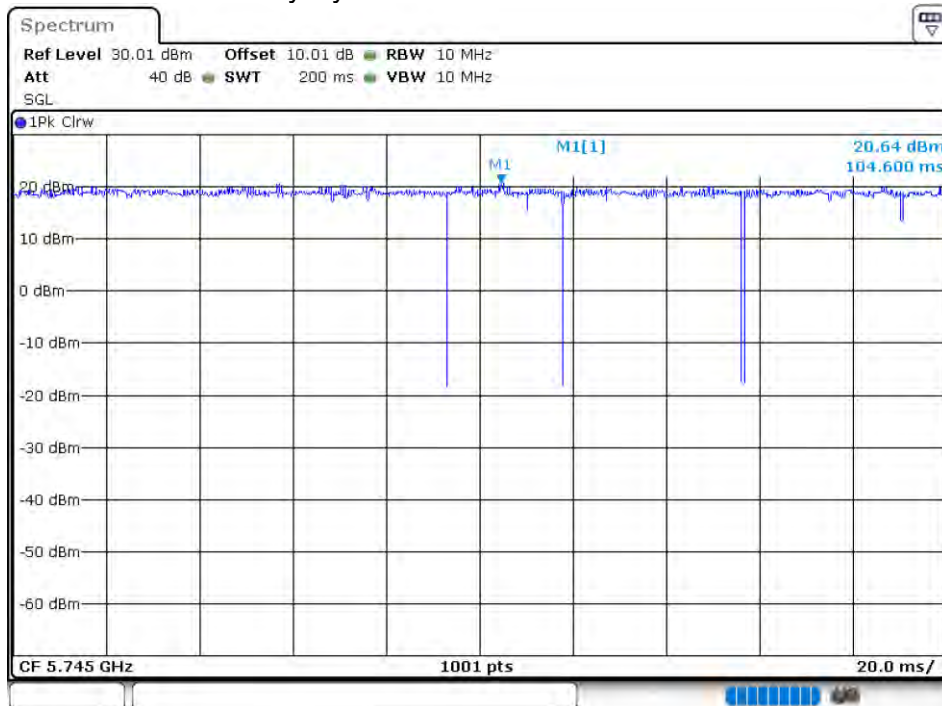


5.8G WIFI

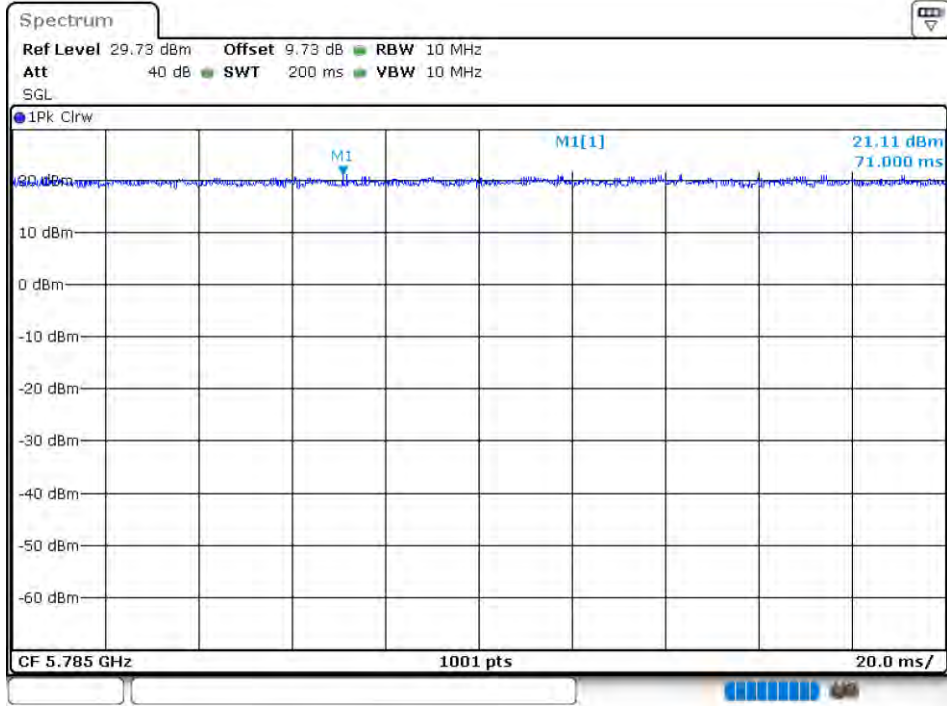
5.1 DUTY CYCLE

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5745	99.6	0.02
NVNT	802.11a	5785	100	0
NVNT	802.11a	5825	100	0
NVNT	802.11ac20	5745	99.7	0.01
NVNT	802.11ac20	5785	100	0
NVNT	802.11ac20	5825	100	0
NVNT	802.11ac40	5755	99.8	0.01
NVNT	802.11ac40	5795	100	0
NVNT	802.11ac80	5775	99.9	0
NVNT	802.11n(HT20)	5745	99.6	0.02
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

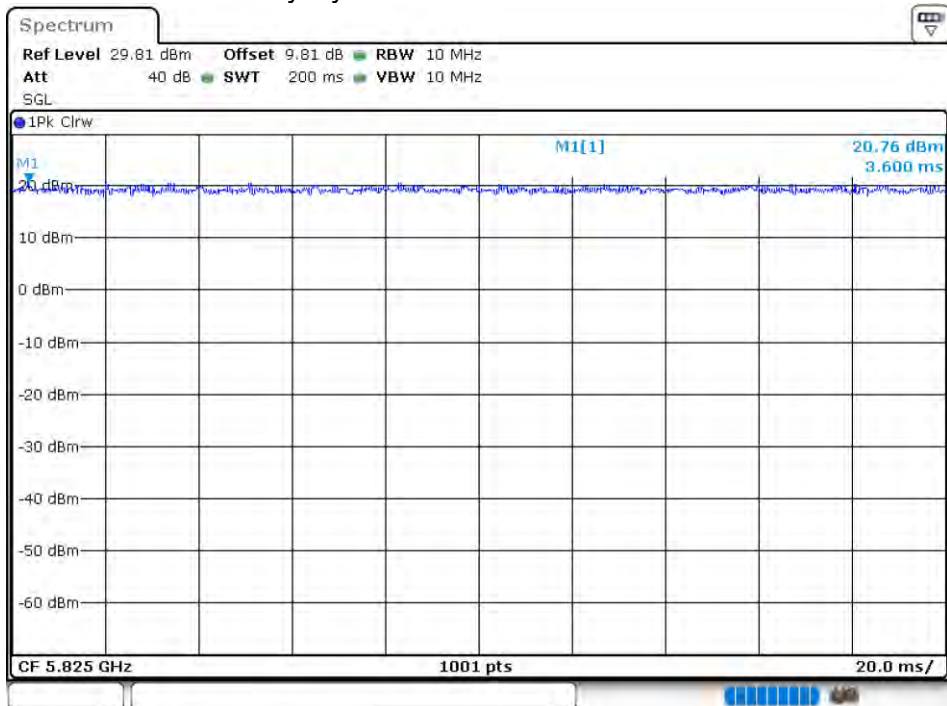
Duty Cycle NVNT 802.11a 5745MHz



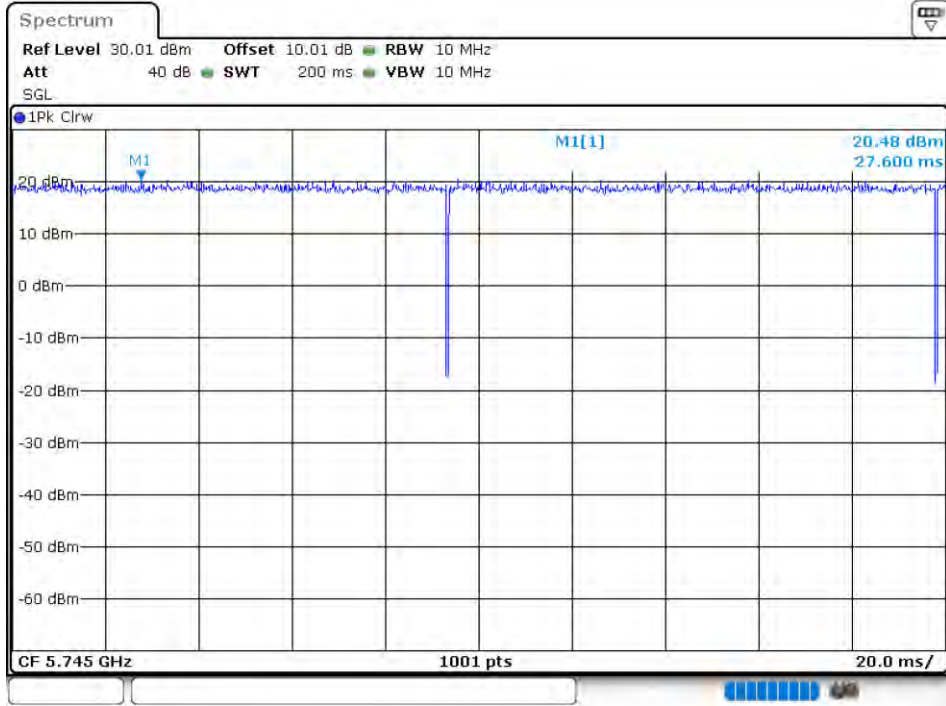
Duty Cycle NVNT 802.11a 5785MHz



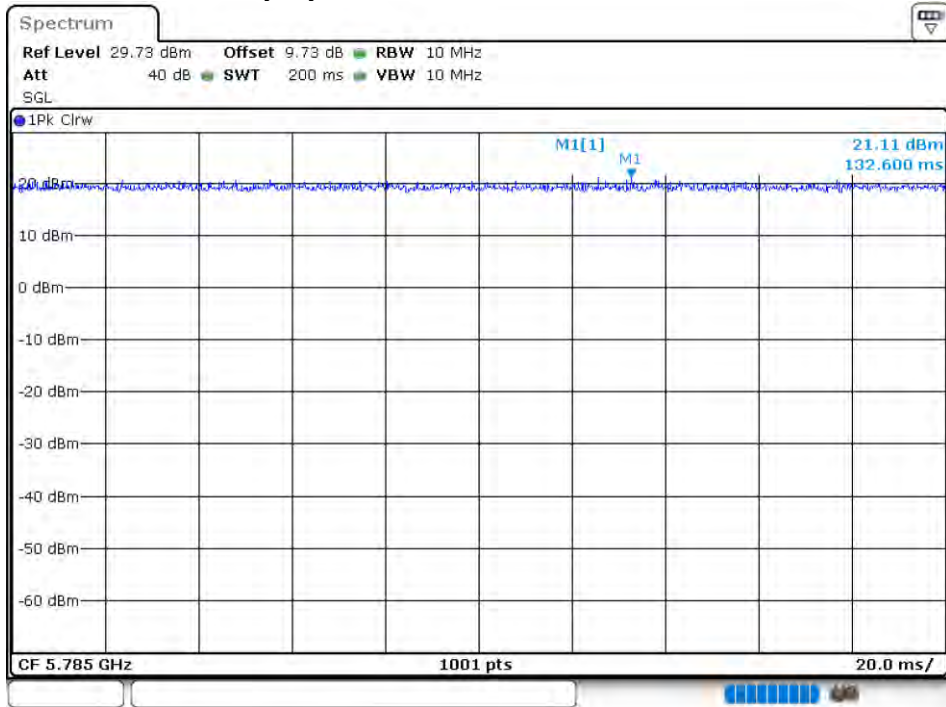
Duty Cycle NVNT 802.11a 5825MHz



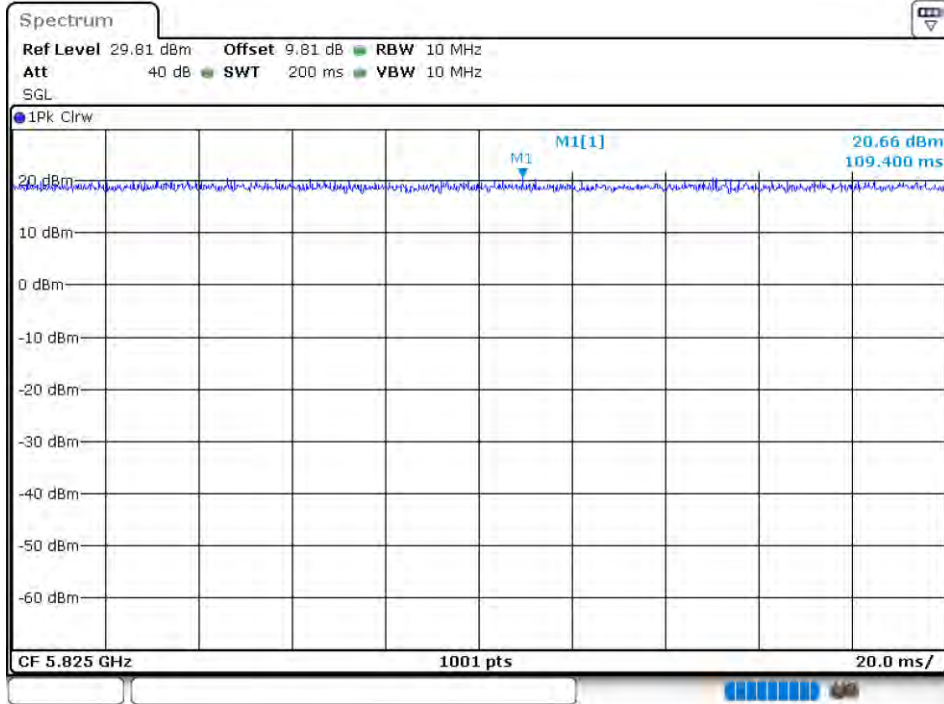
Duty Cycle NVNT 802.11ac20 5745MHz



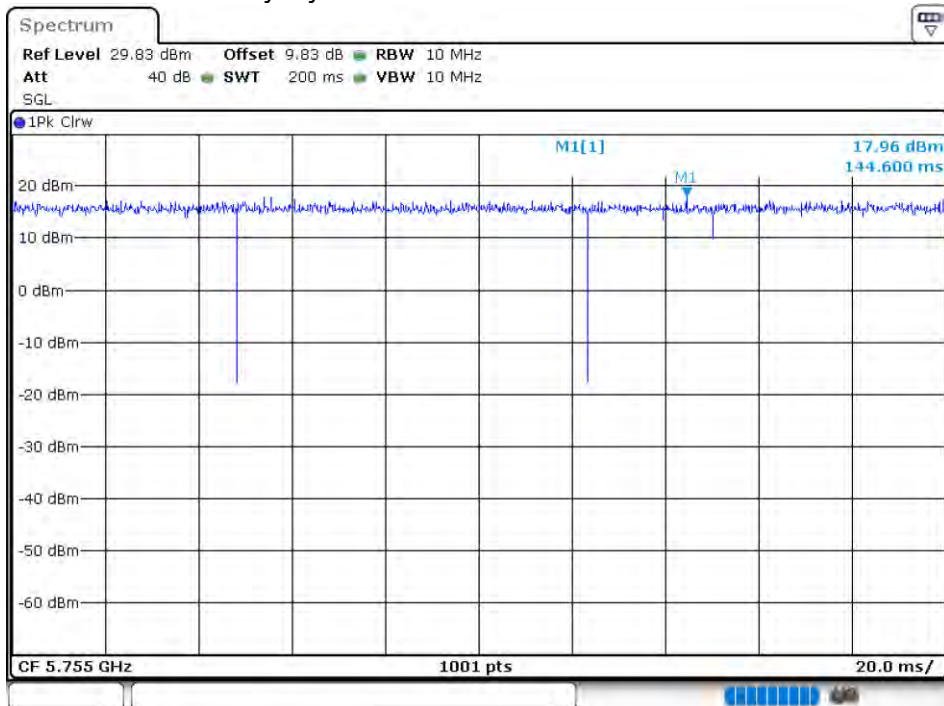
Duty Cycle NVNT 802.11ac20 5785MHz



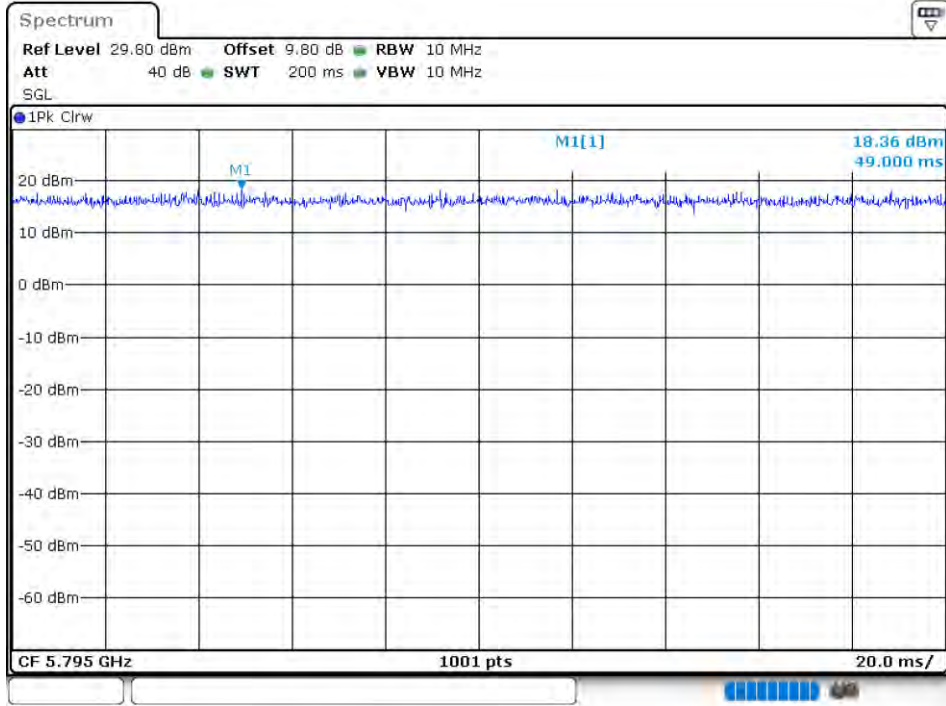
### Duty Cycle NVNT 802.11ac20 5825MHz



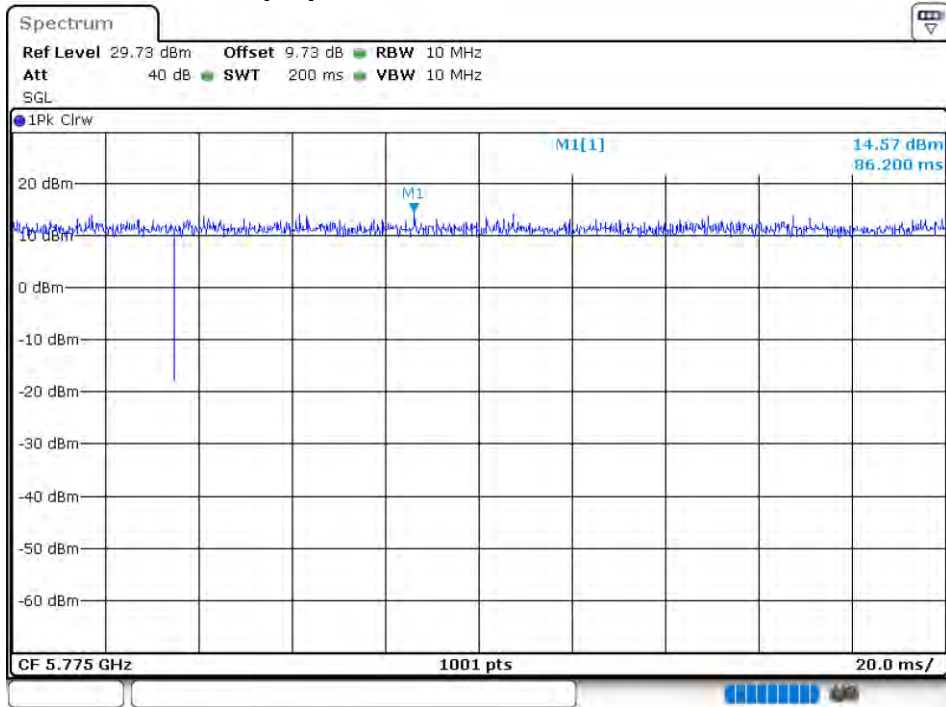
### Duty Cycle NVNT 802.11ac40 5755MHz



Duty Cycle NVNT 802.11ac40 5795MHz

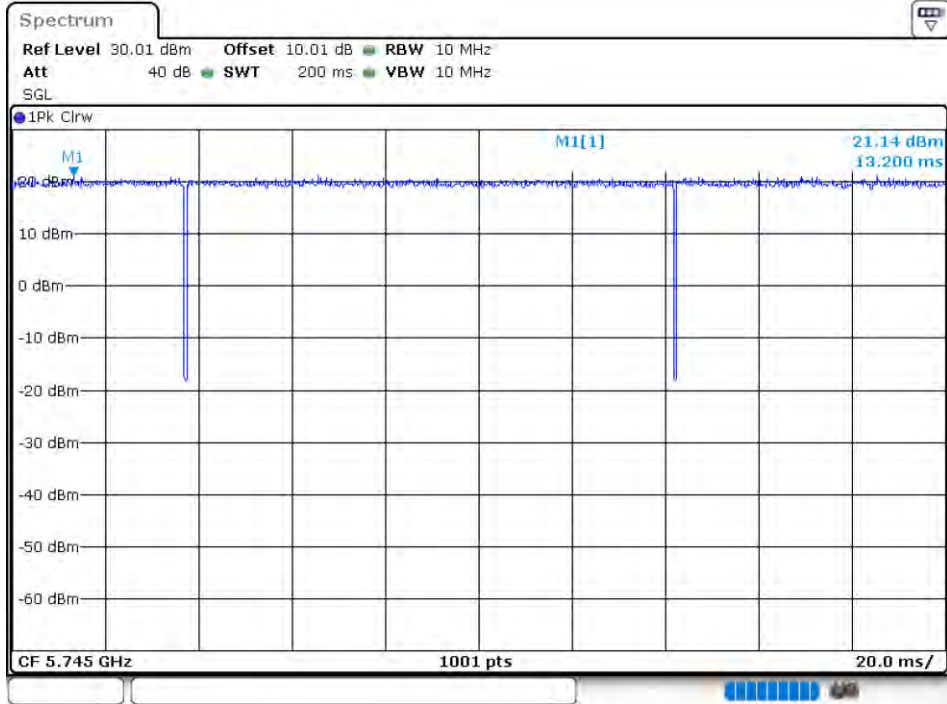


Duty Cycle NVNT 802.11ac80 5775MHz

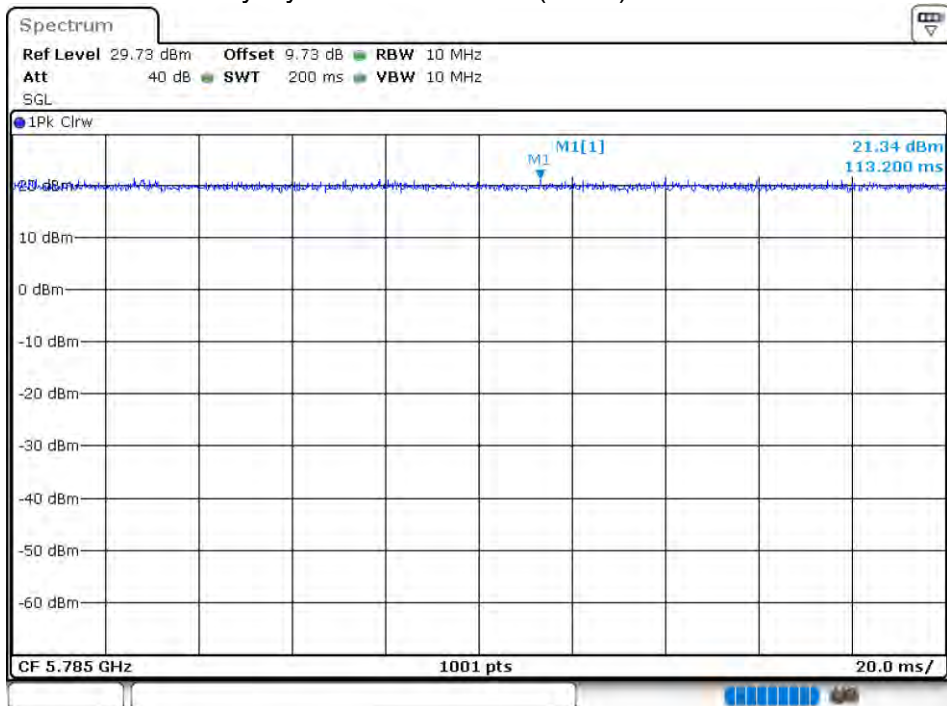




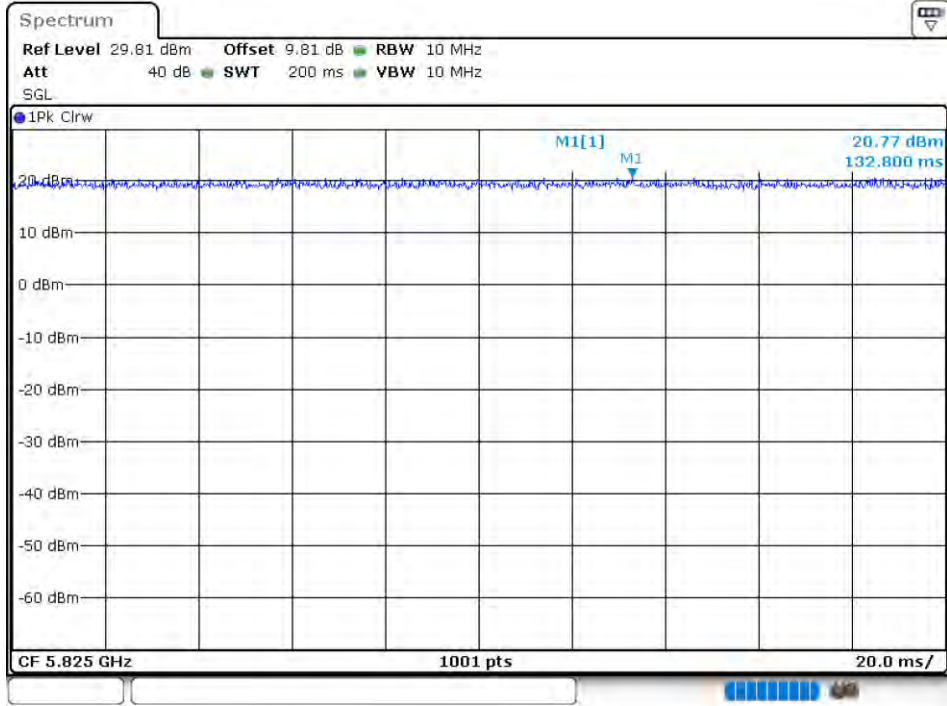
Duty Cycle NVNT 802.11n(HT20) 5745MHz



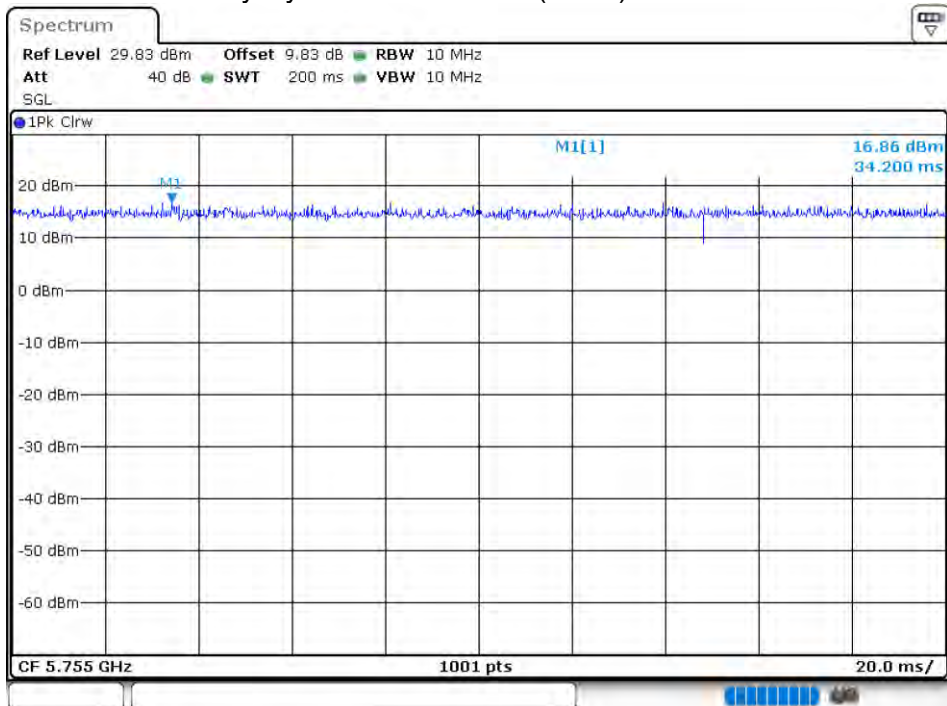
Duty Cycle NVNT 802.11n(HT20) 5785MHz



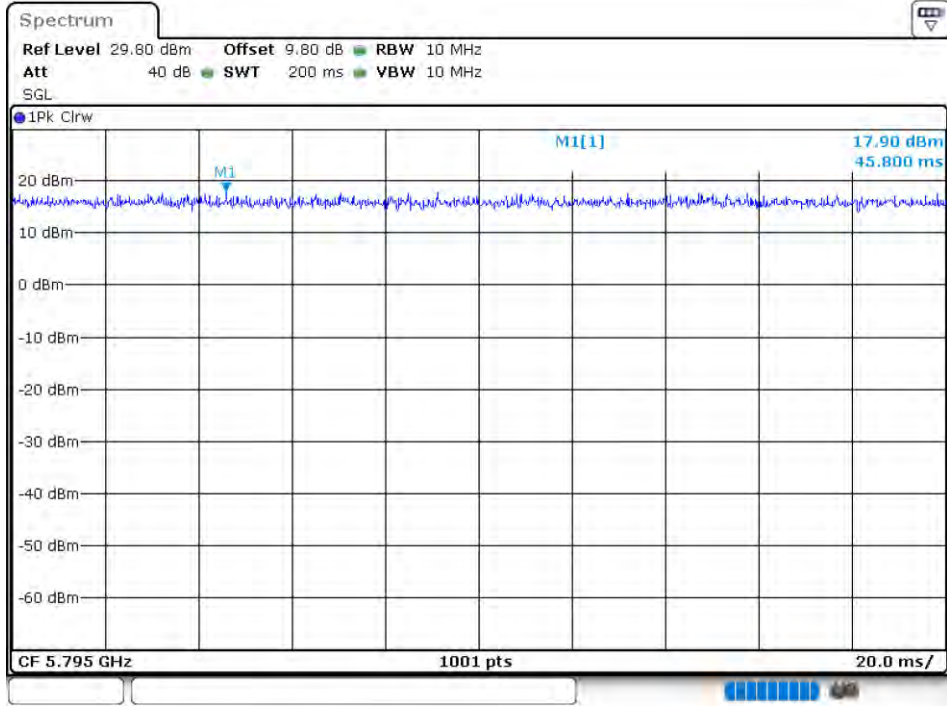
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



Duty Cycle NVNT 802.11n(HT40) 5795MHz





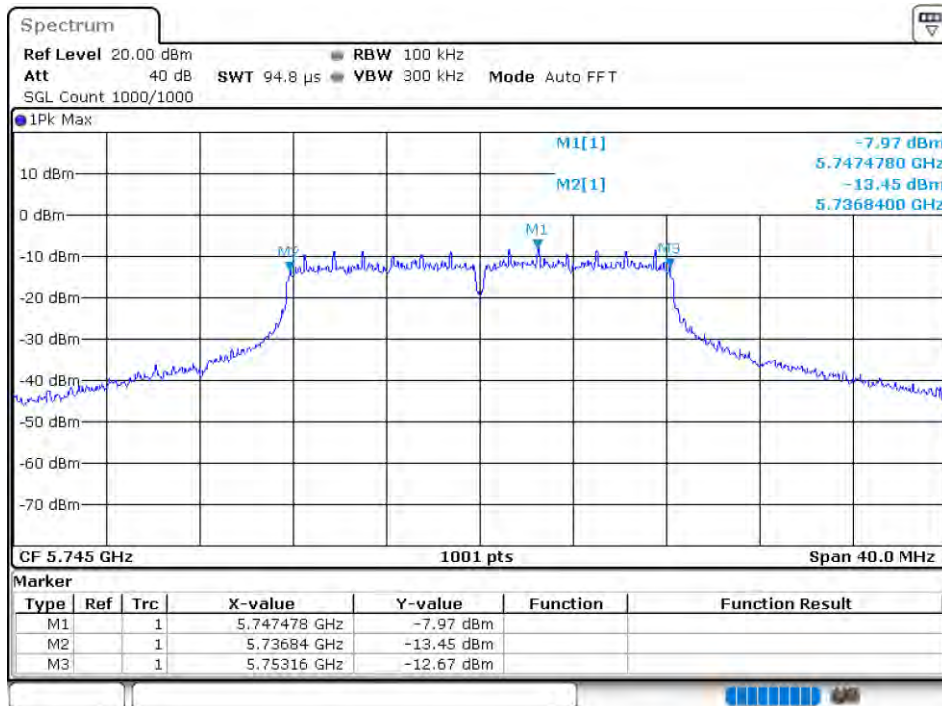
**5.2 MAXIMUM CONDUCTED OUTPUT POWER**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	10.64	0.02	10.66	30	Pass
NVNT	802.11a	5785	Ant 1	11.8	0	11.8	30	Pass
NVNT	802.11a	5825	Ant 1	11.32	0	11.32	30	Pass
NVNT	802.11ac20	5745	Ant 1	10.7	0.01	10.71	30	Pass
NVNT	802.11ac20	5785	Ant 1	11.66	0	11.66	30	Pass
NVNT	802.11ac20	5825	Ant 1	11.11	0	11.11	30	Pass
NVNT	802.11ac40	5755	Ant 1	10.86	0.01	10.87	30	Pass
NVNT	802.11ac40	5795	Ant 1	11.38	0	11.38	30	Pass
NVNT	802.11ac80	5775	Ant 1	9.77	0	9.77	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	11.97	0.02	11.99	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	12.26	0	12.26	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	11.73	0	11.73	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	9.72	0	9.72	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	10.94	0	10.94	30	Pass

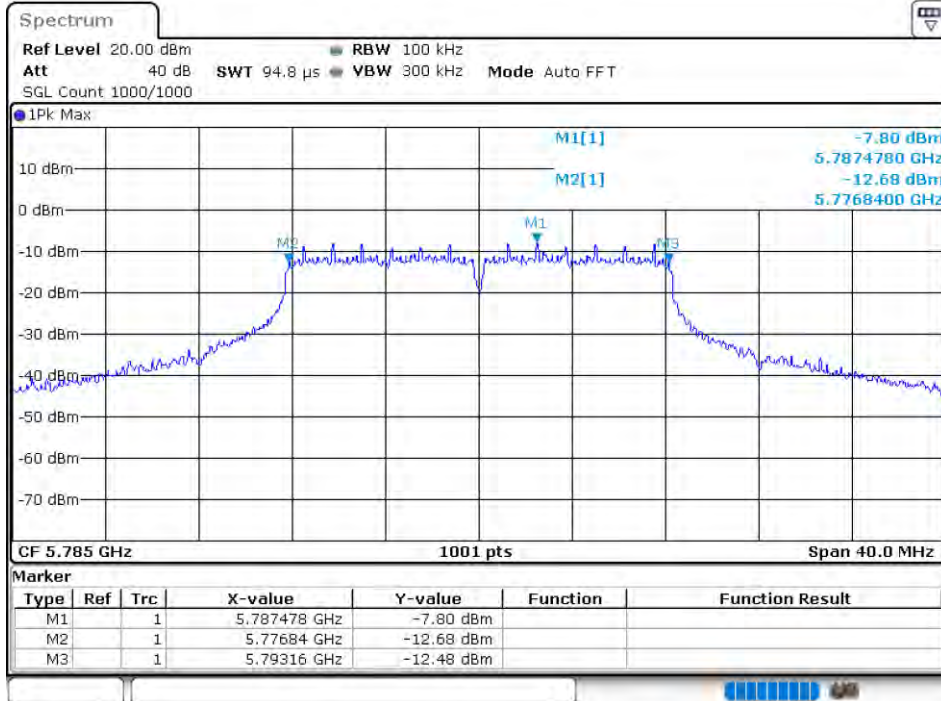
**5.3 -6DB EMISSION BANDWIDTH**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.32	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	17.64	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.6	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.2	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	36.32	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.32	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.84	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.72	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.8	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.32	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.32	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.32	0.5	Pass

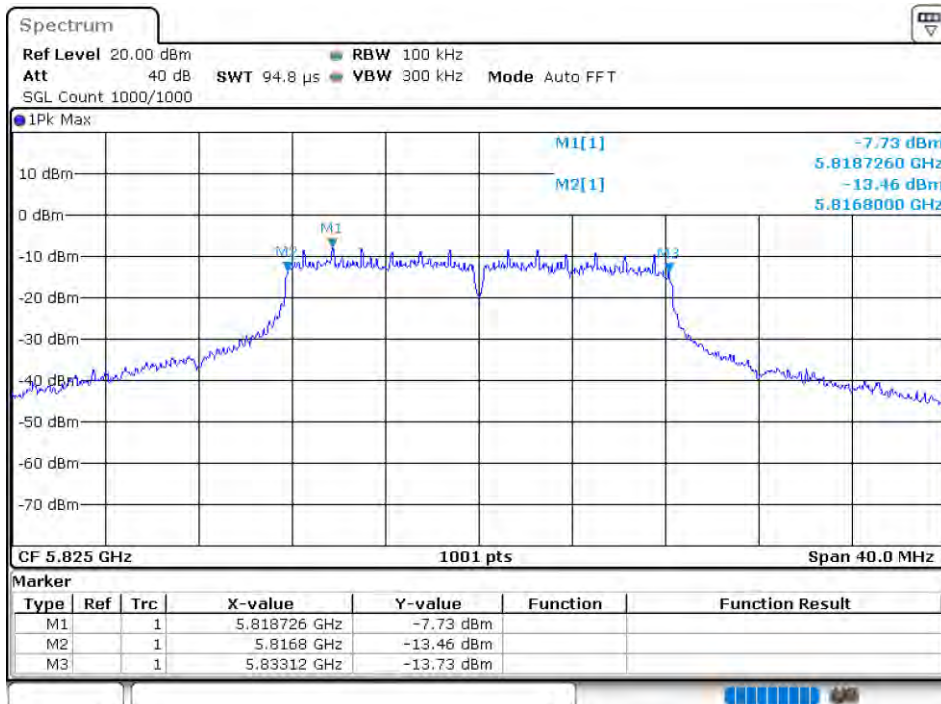
EBW NVNT 802.11a 5745MHz Ant1



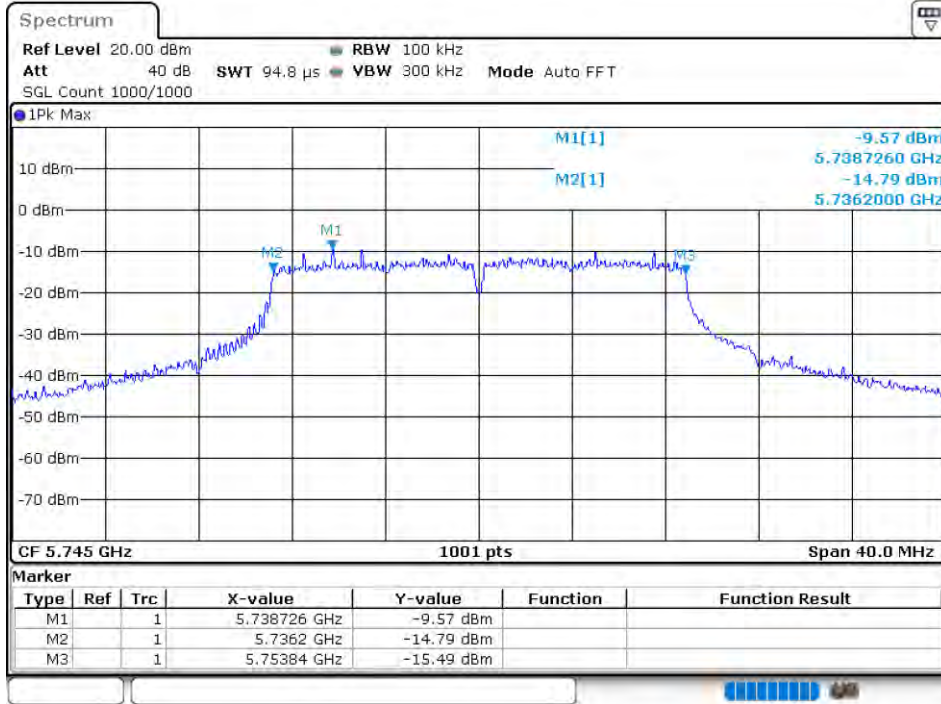
EBW NVNT 802.11a 5785MHz Ant1



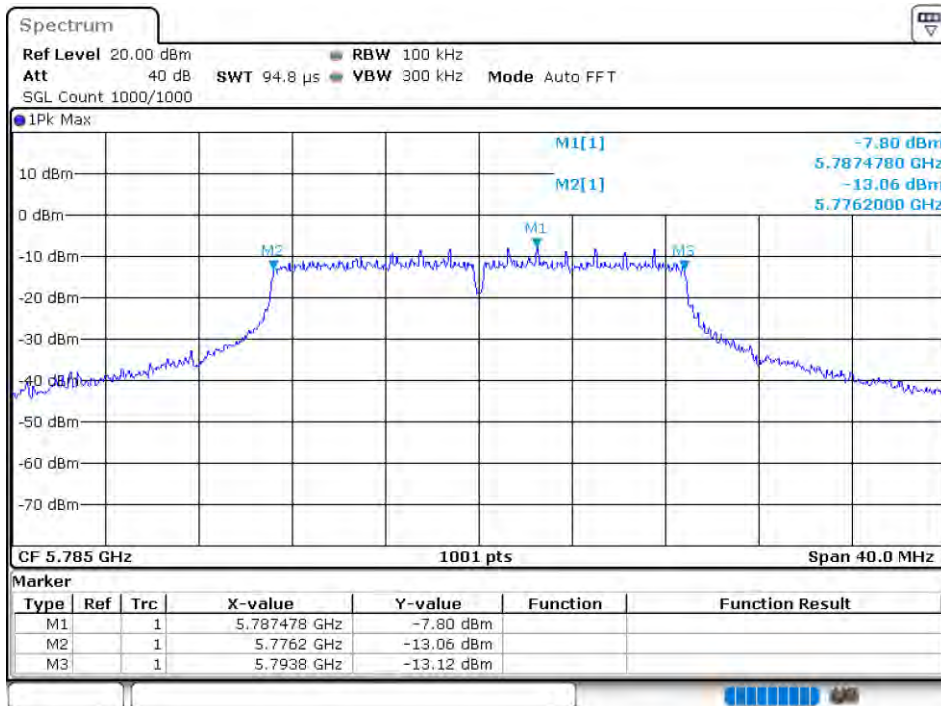
EBW NVNT 802.11a 5825MHz Ant1



EBW NVNT 802.11ac20 5745MHz Ant1

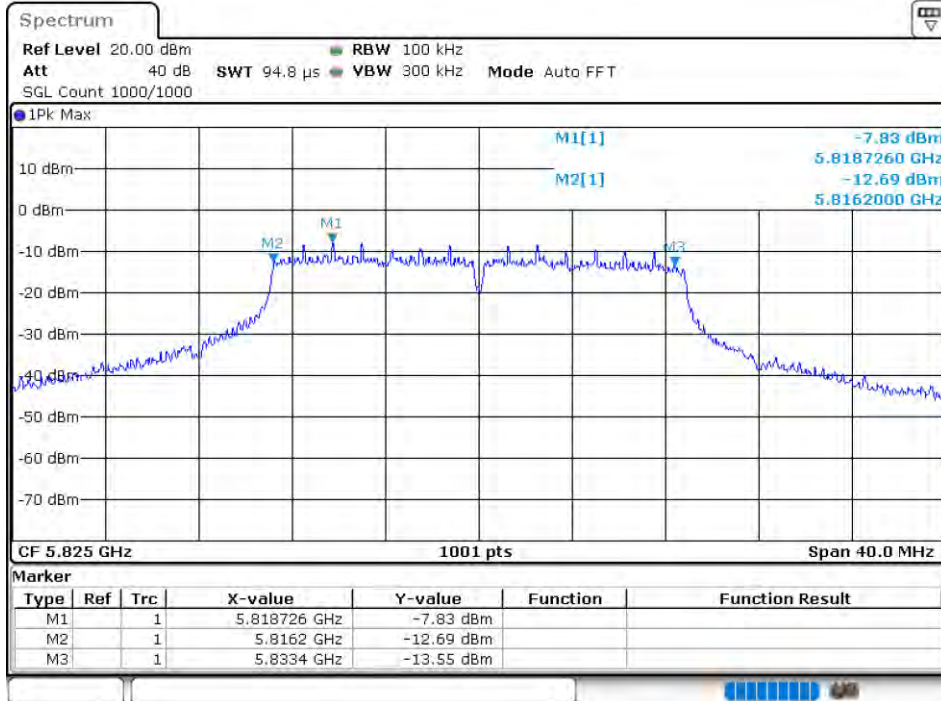


EBW NVNT 802.11ac20 5785MHz Ant1

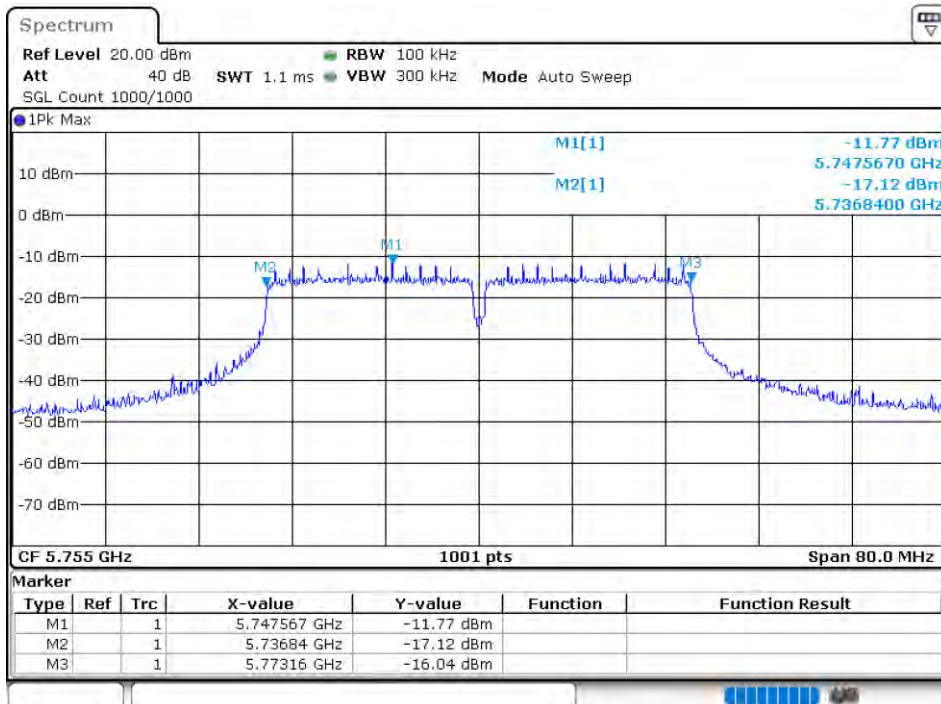




EBW NVNT 802.11ac20 5825MHz Ant1

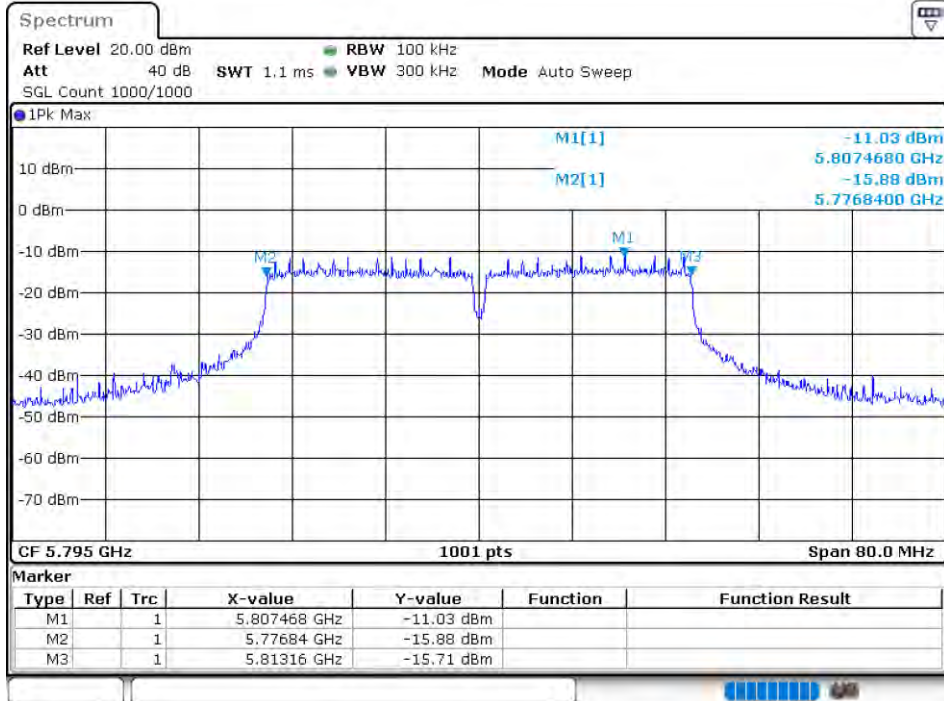


EBW NVNT 802.11ac40 5755MHz Ant1

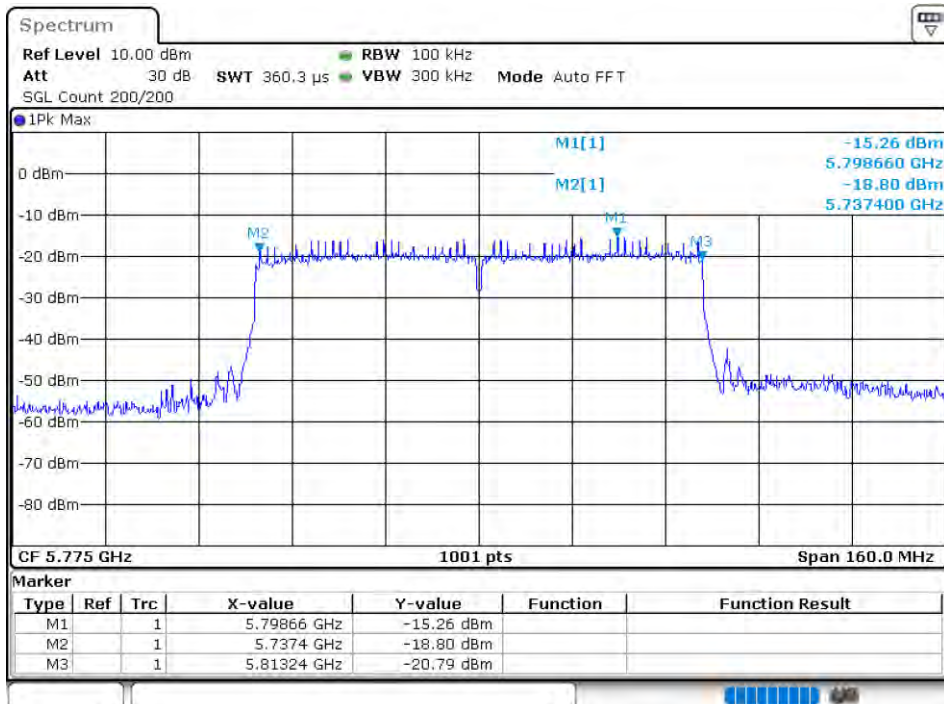




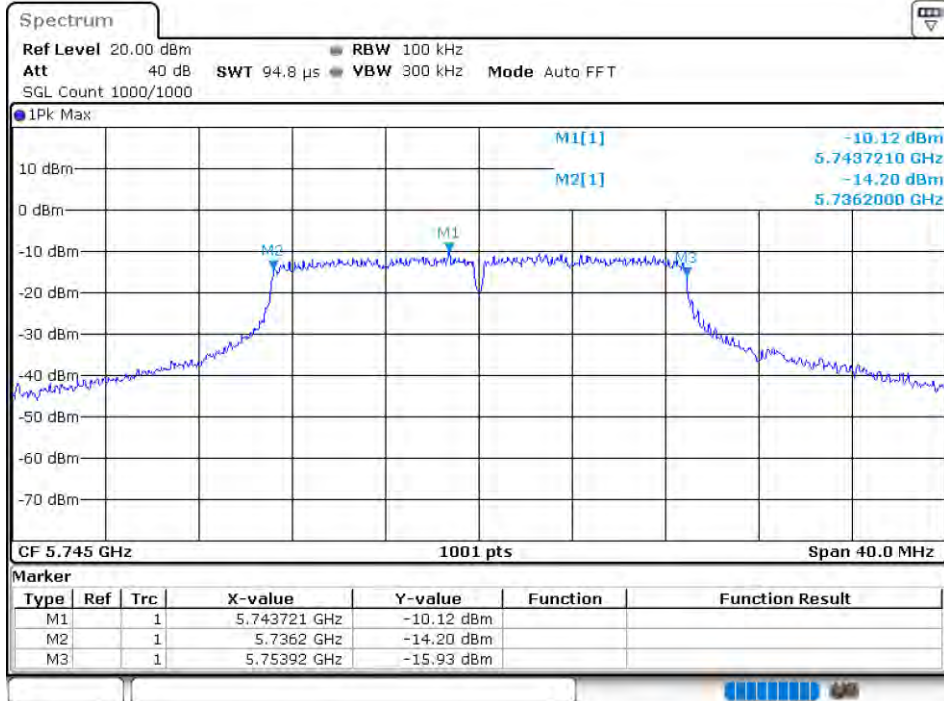
EBW NVNT 802.11ac40 5795MHz Ant1



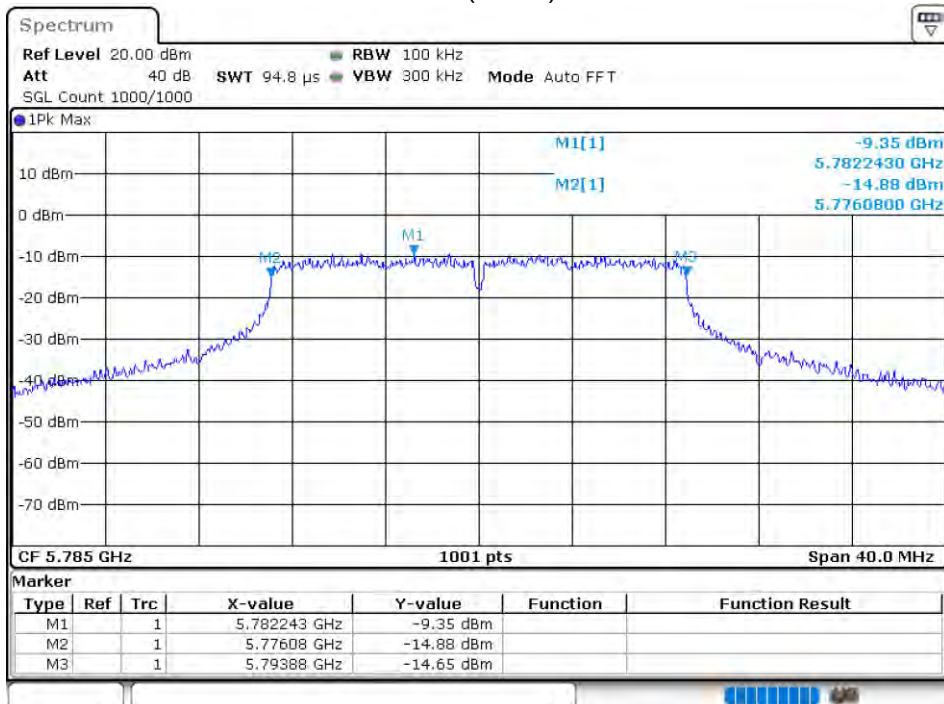
EBW NVNT 802.11ac80 5775MHz Ant1



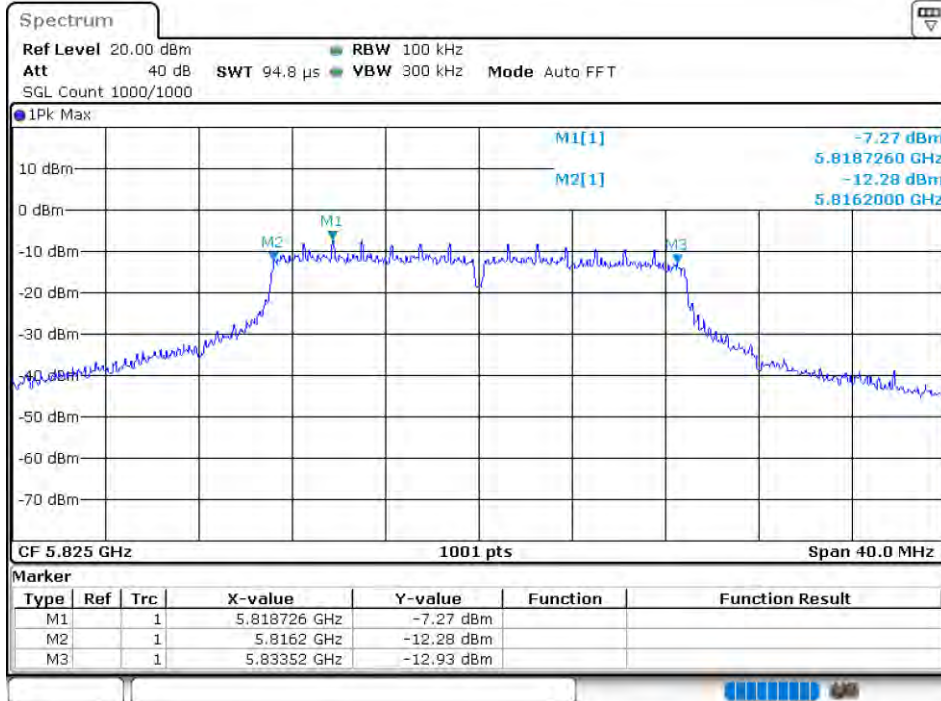
EBW NVNT 802.11n(HT20) 5745MHz Ant1



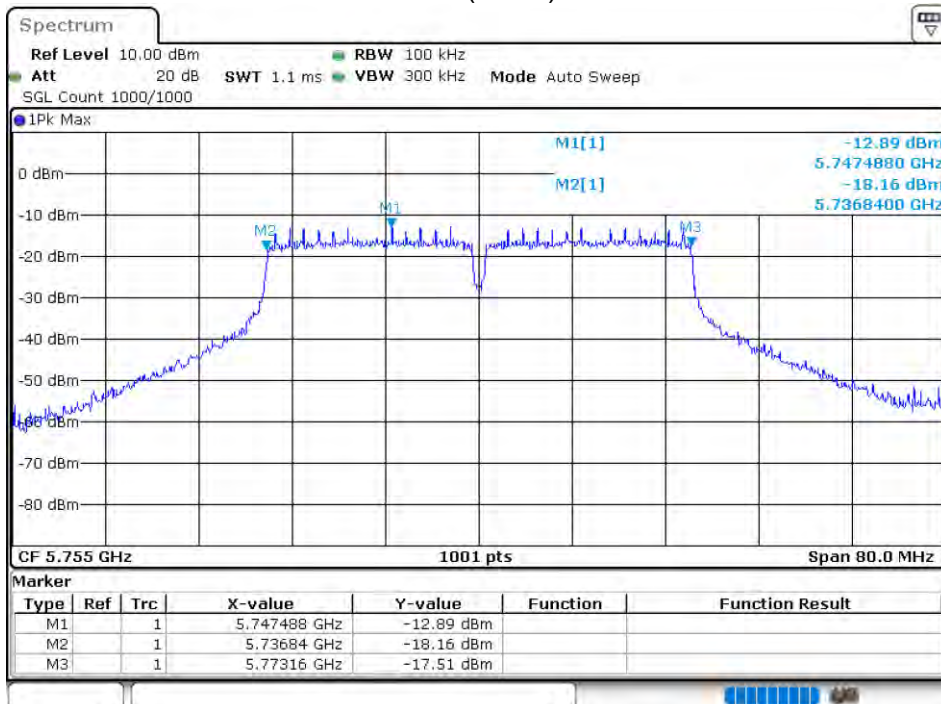
EBW NVNT 802.11n(HT20) 5785MHz Ant1



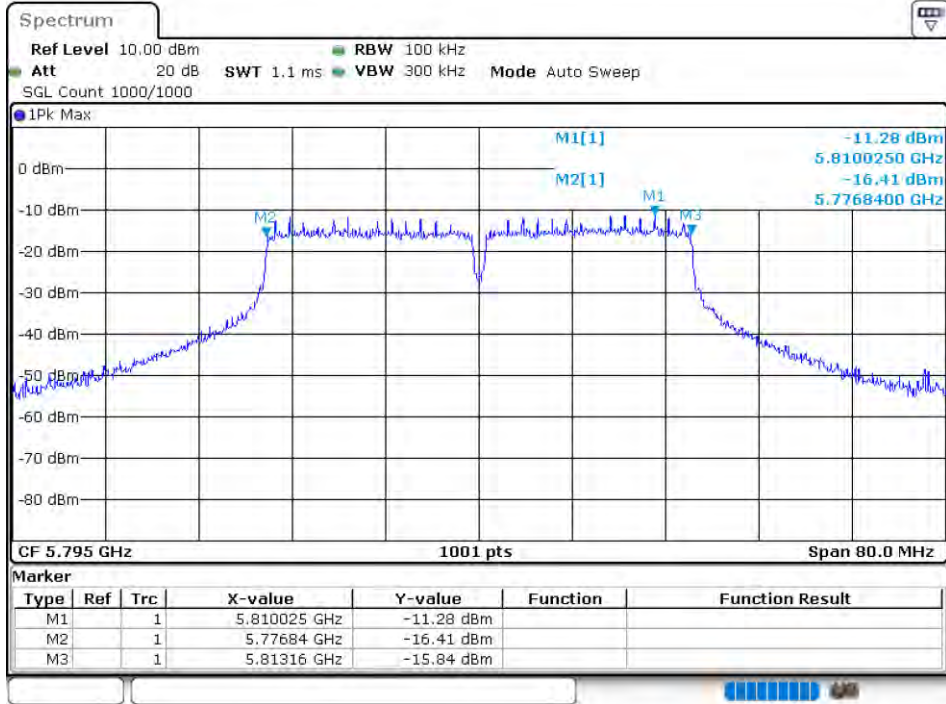
EBW NVNT 802.11n(HT20) 5825MHz Ant1



EBW NVNT 802.11n(HT40) 5755MHz Ant1



EBW NVNT 802.11n(HT40) 5795MHz Ant1

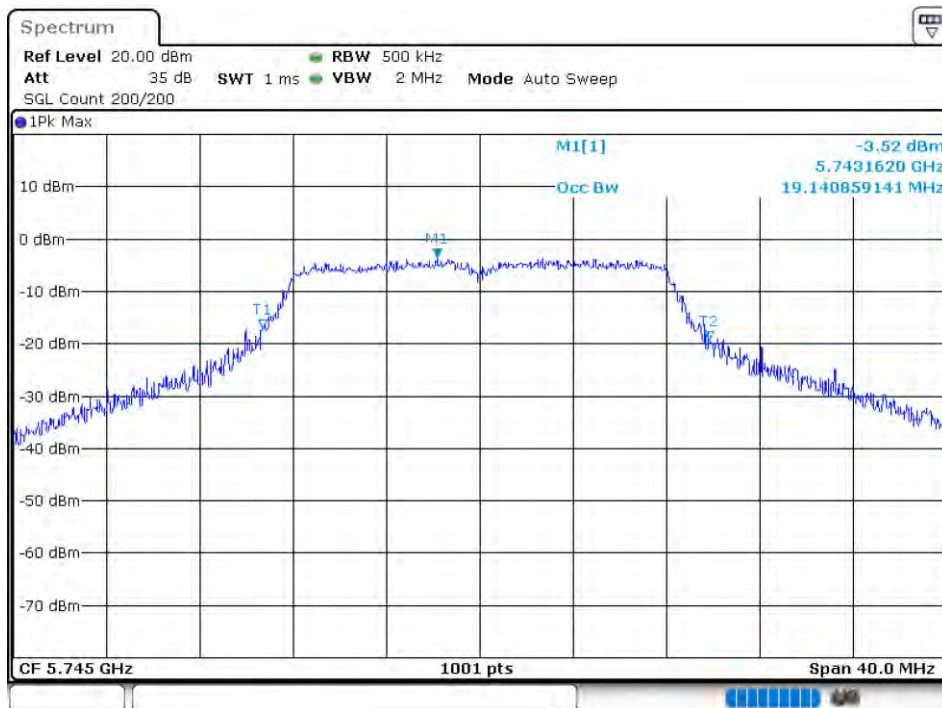




5.4 OCCUPIED CHANNEL BANDWIDTH

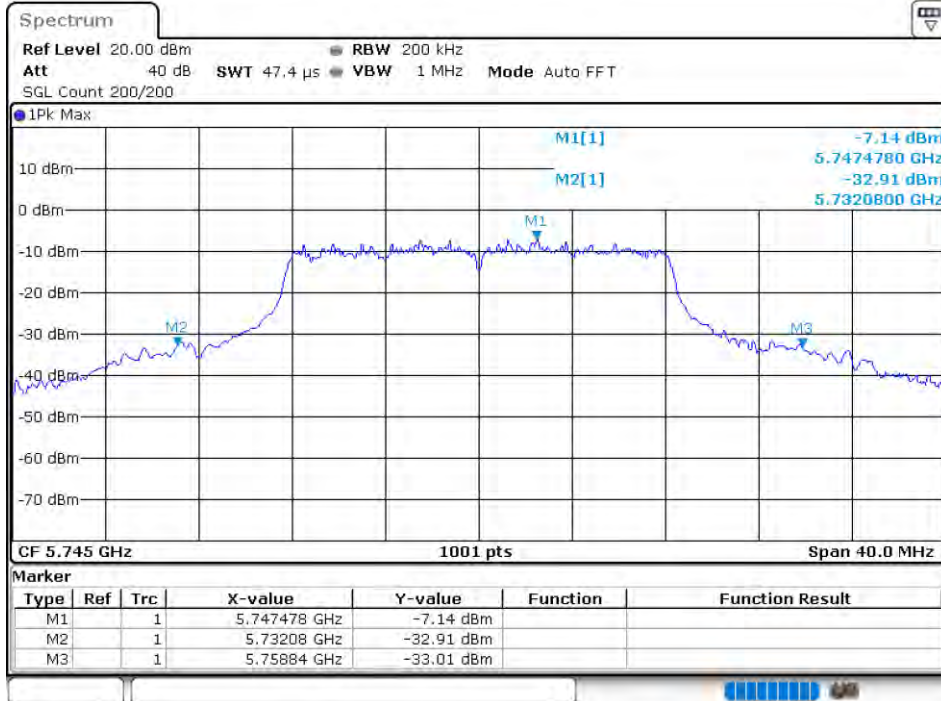
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	19.1409	26.76	Pass
NVNT	802.11a	5785	Ant 1	19.4206	24.32	Pass
NVNT	802.11a	5825	Ant 1	19.1009	23.4	Pass
NVNT	802.11ac20	5745	Ant 1	18.5415	24.88	Pass
NVNT	802.11ac20	5785	Ant 1	18.4216	27.72	Pass
NVNT	802.11ac20	5825	Ant 1	18.4216	29.28	Pass
NVNT	802.11ac40	5755	Ant 1	37.4825	57.92	Pass
NVNT	802.11ac40	5795	Ant 1	37.8022	57.6	Pass
NVNT	802.11ac80	5775	Ant 1	75.9241	81.44	Pass
NVNT	802.11n(HT20)	5745	Ant 1	18.6613	27.84	Pass
NVNT	802.11n(HT20)	5785	Ant 1	18.4615	26.88	Pass
NVNT	802.11n(HT20)	5825	Ant 1	18.6613	27.56	Pass
NVNT	802.11n(HT40)	5755	Ant 1	37.4026	53.44	Pass
NVNT	802.11n(HT40)	5795	Ant 1	37.4825	52.96	Pass

OBW NVNT 802.11a 5745MHz Ant1

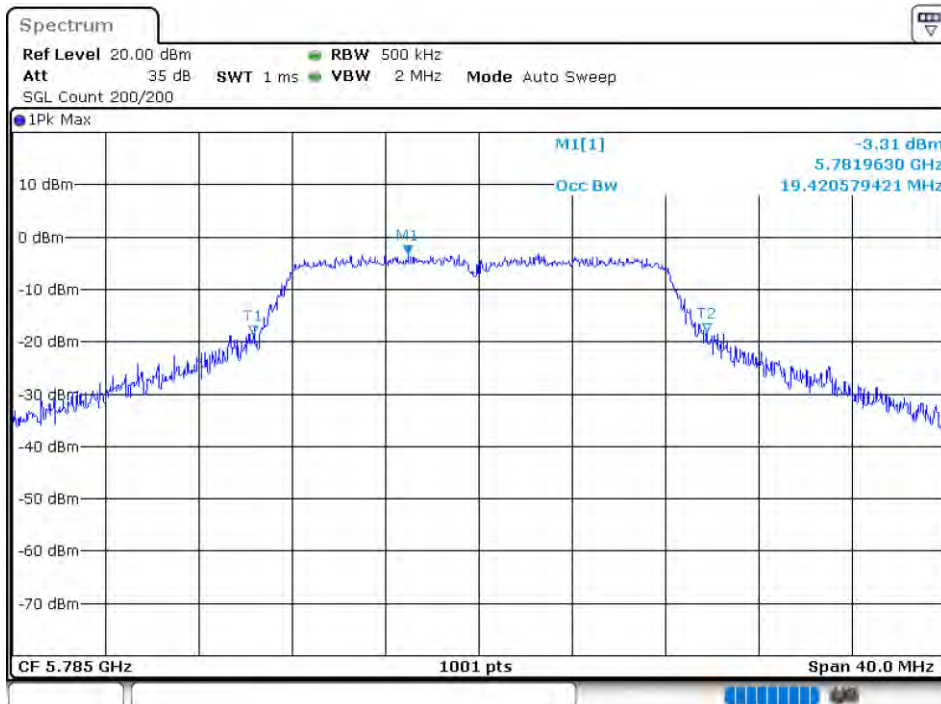




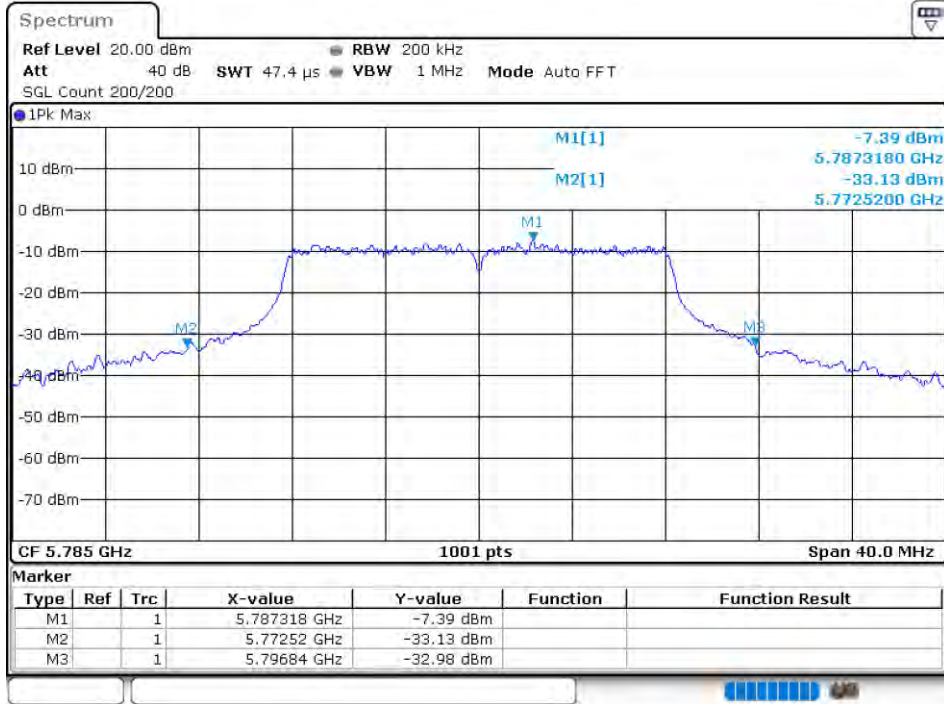
-26 dB BW NVNT 802.11a 5745MHz Ant1



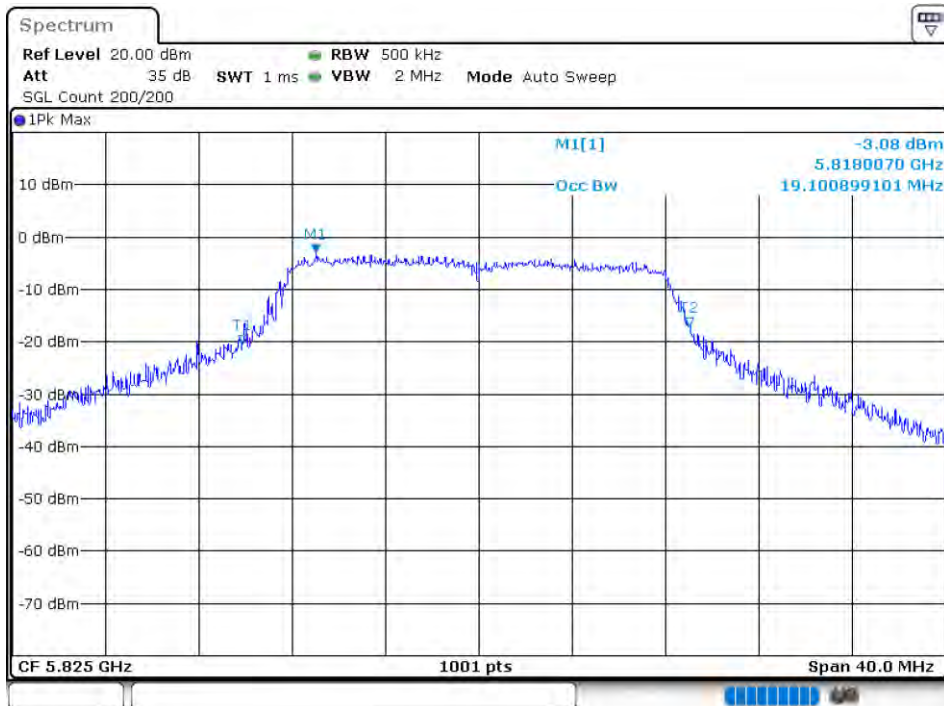
OBW NVNT 802.11a 5785MHz Ant1



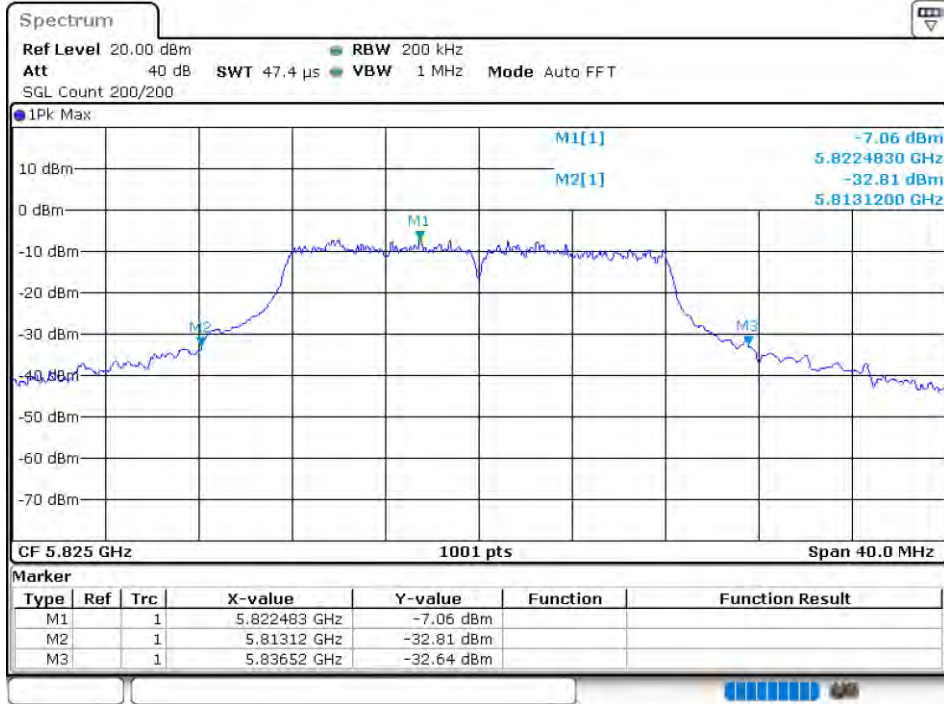
-26 dB BW NVNT 802.11a 5785MHz Ant1



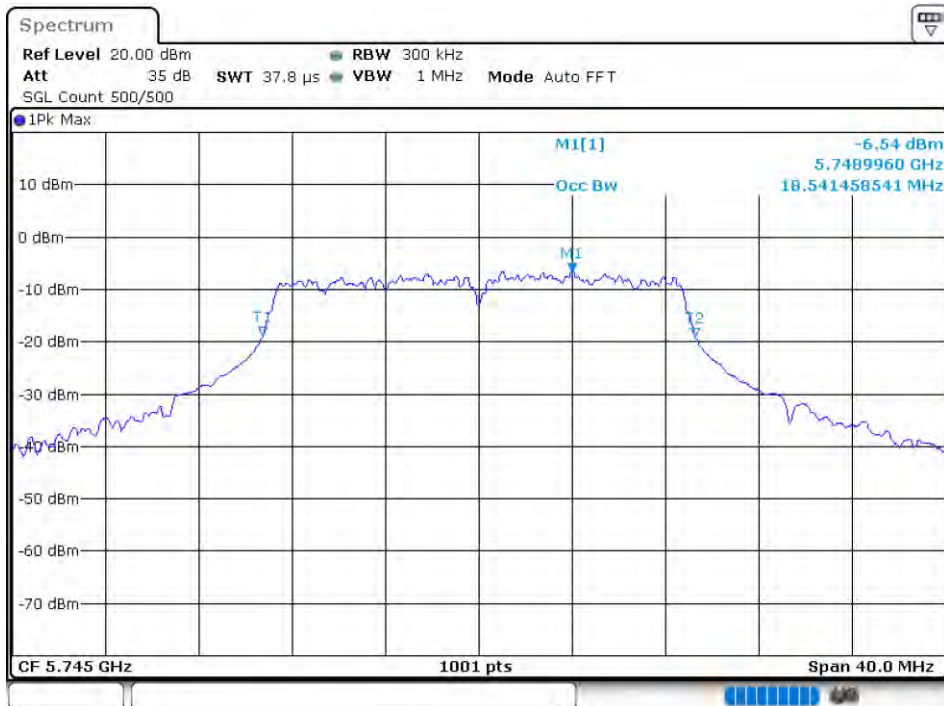
OBW NVNT 802.11a 5825MHz Ant1



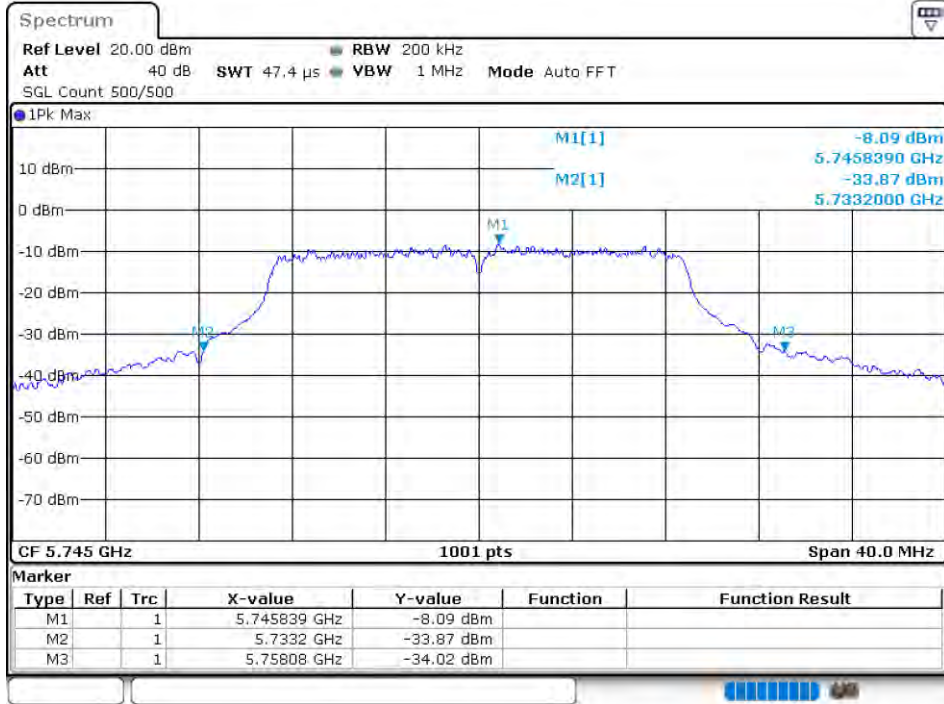
-26 dB BW NVNT 802.11a 5825MHz Ant1



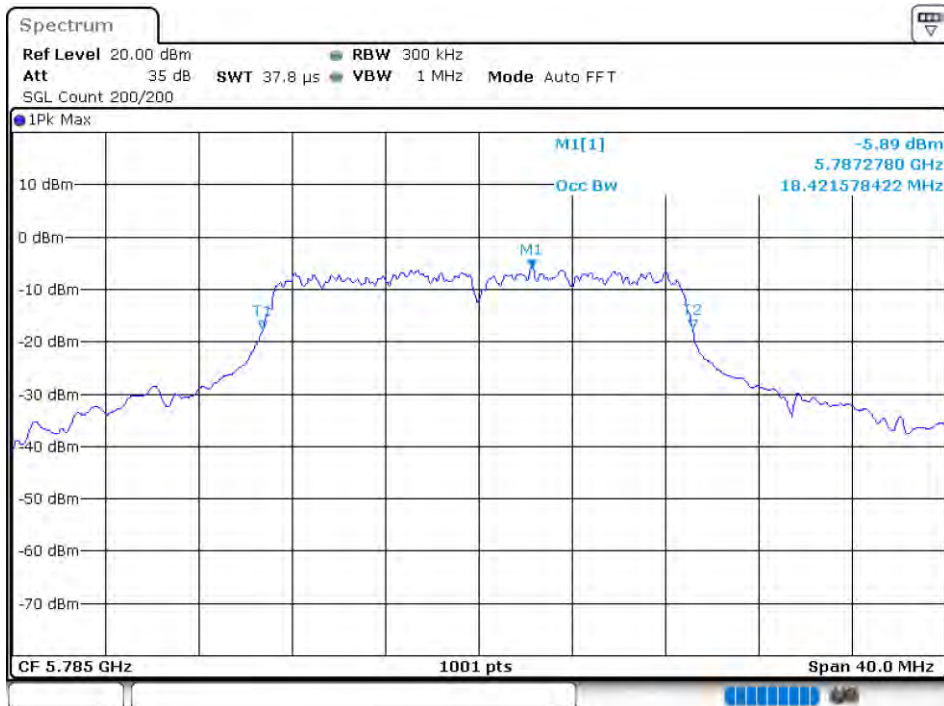
OBW NVNT 802.11ac20 5745MHz Ant1



-26 dB BW NVNT 802.11ac20 5745MHz Ant1

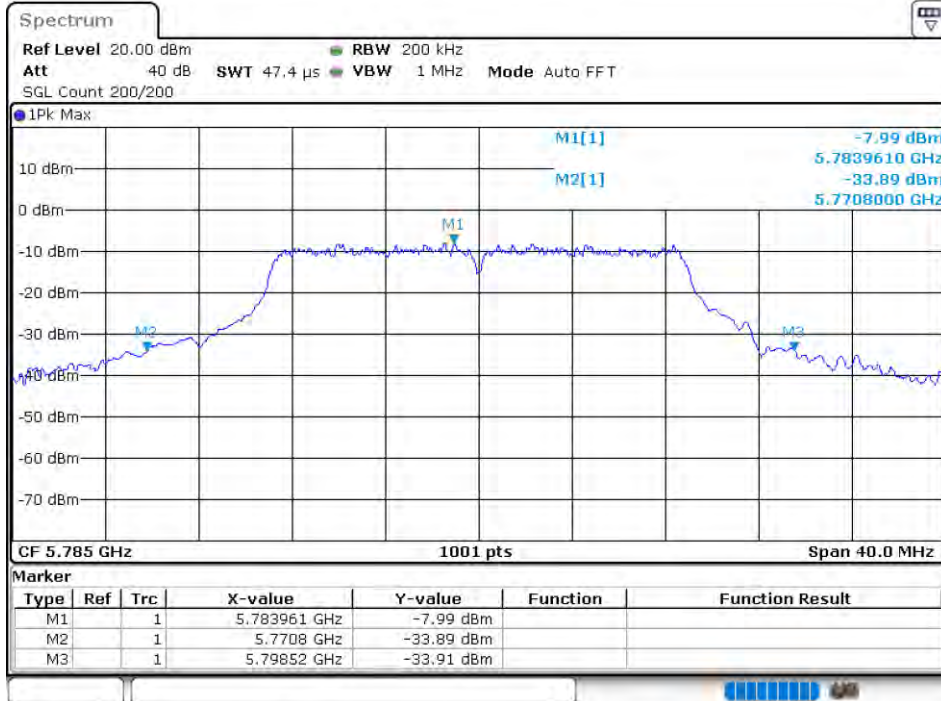


OBW NVNT 802.11ac20 5785MHz Ant1





-26 dB BW NVNT 802.11ac20 5785MHz Ant1

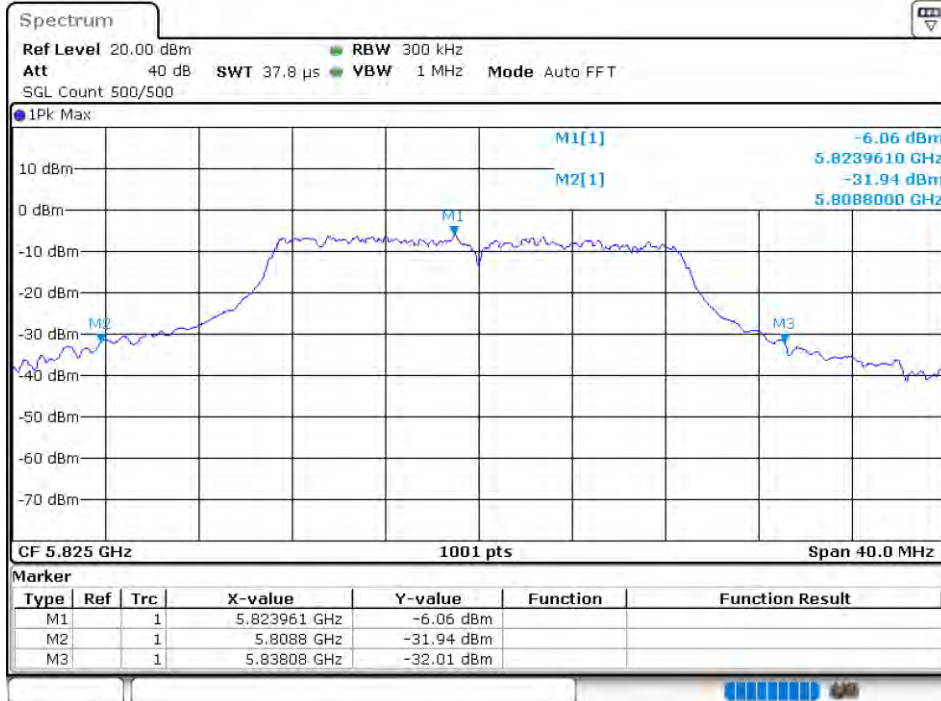


OBW NVNT 802.11ac20 5825MHz Ant1

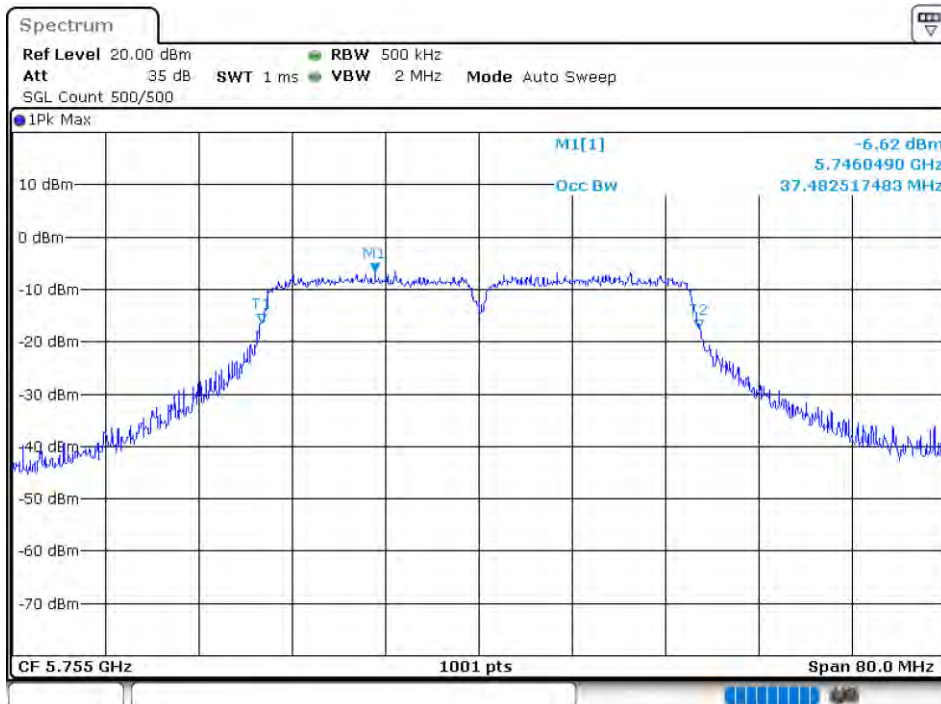




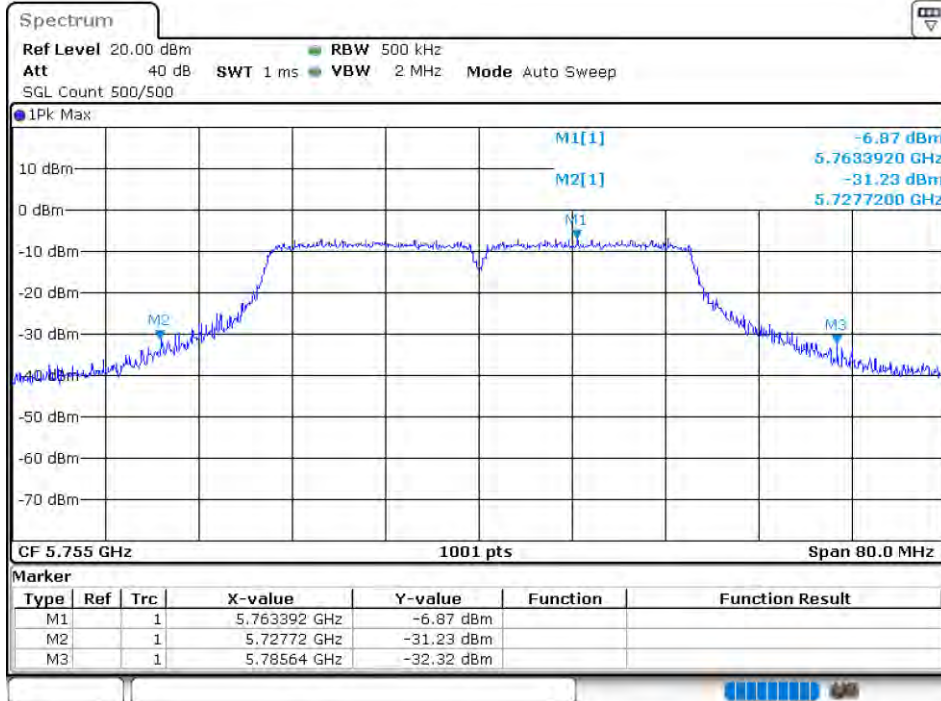
-26 dB BW NVNT 802.11ac20 5825MHz Ant1



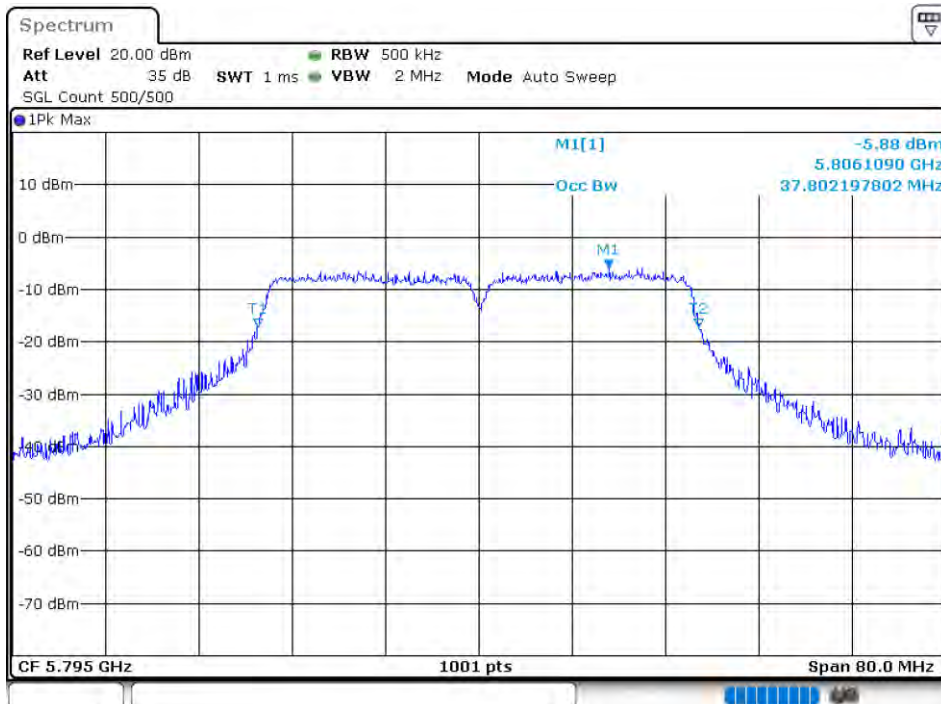
OBW NVNT 802.11ac40 5755MHz Ant1



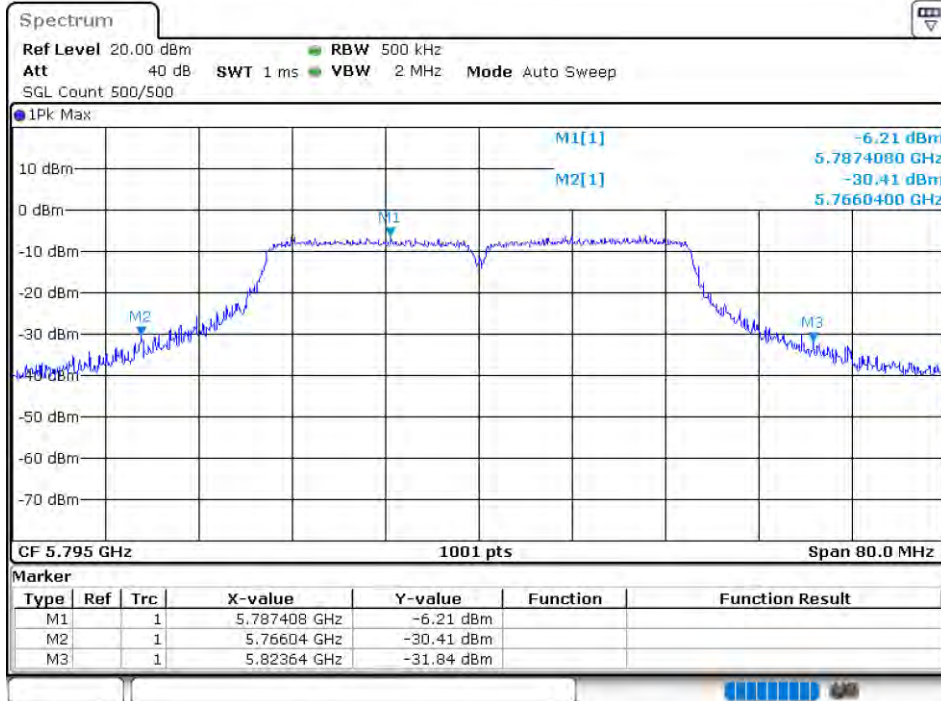
-26 dB BW NVNT 802.11ac40 5755MHz Ant1



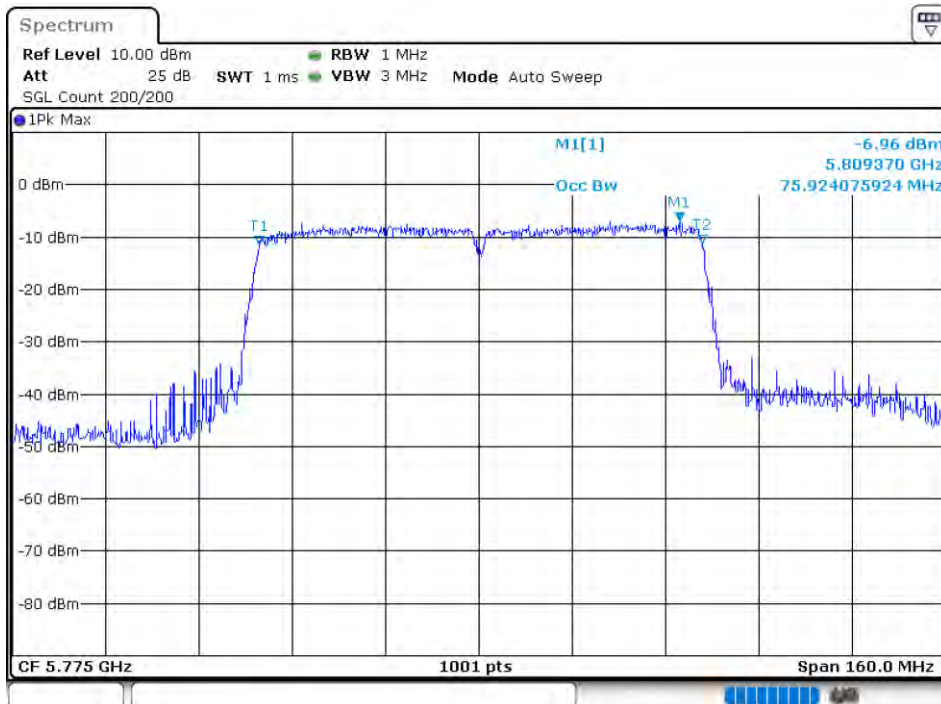
OBW NVNT 802.11ac40 5795MHz Ant1



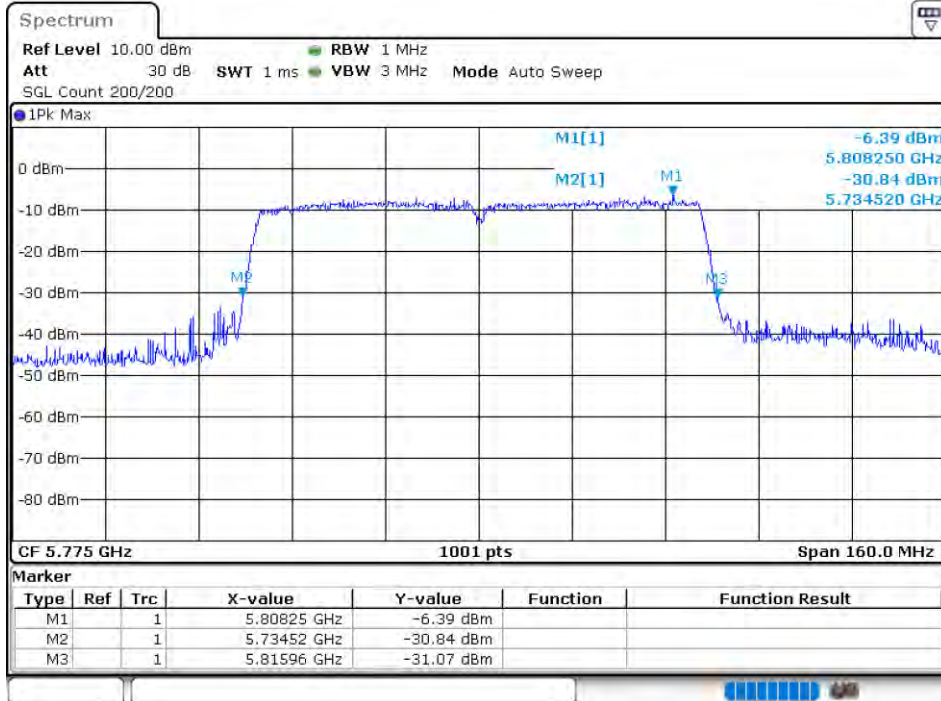
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



OBW NVNT 802.11ac80 5775MHz Ant1



-26 dB BW NVNT 802.11ac80 5775MHz Ant1

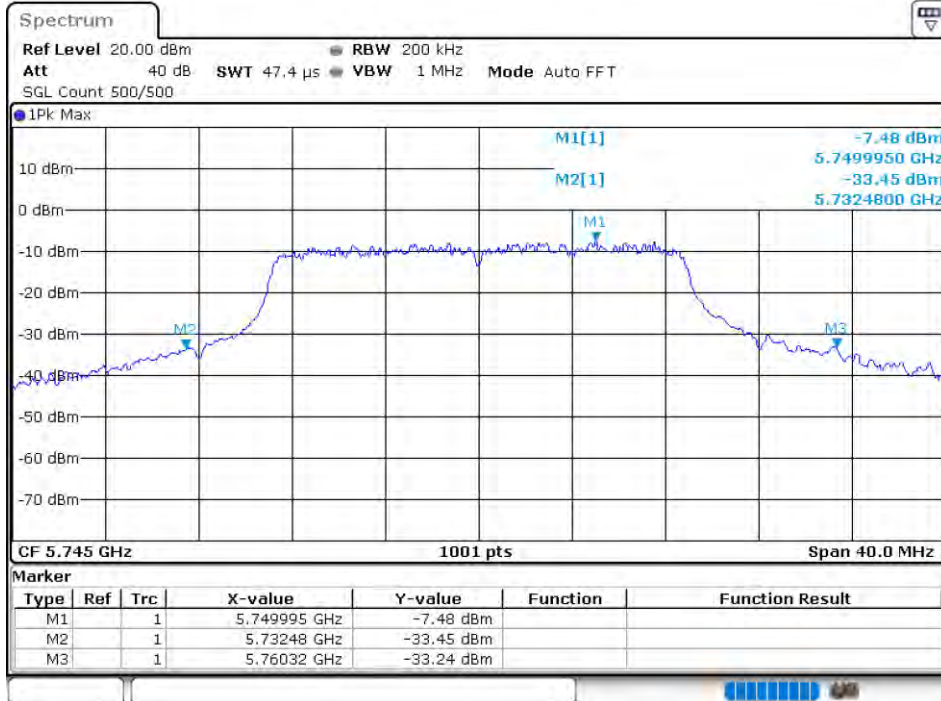


OBW NVNT 802.11n(HT20) 5745MHz Ant1





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

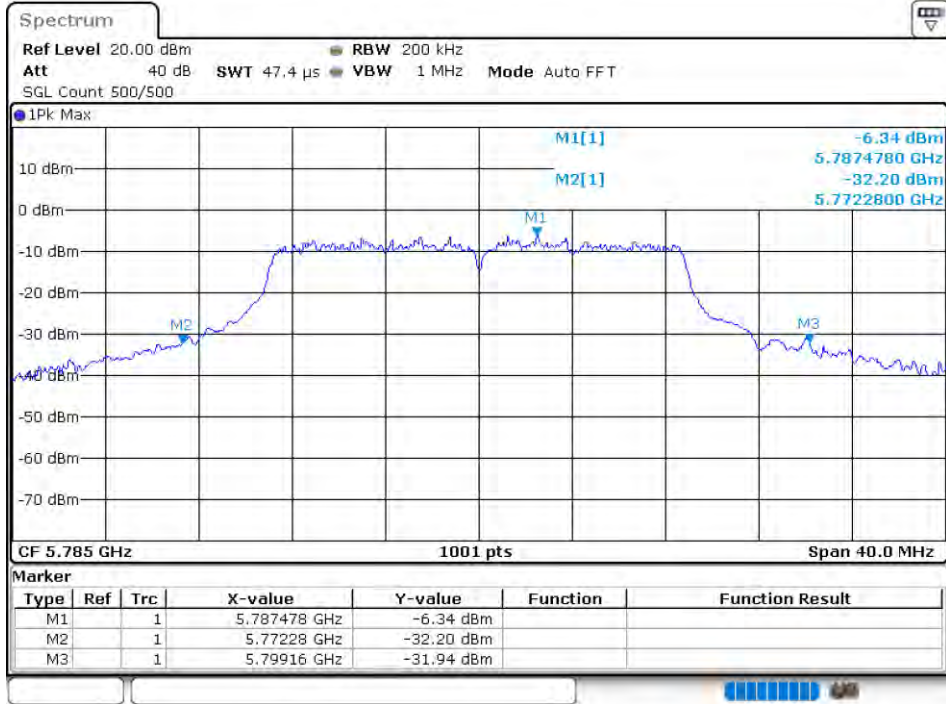


OBW NVNT 802.11n(HT20) 5785MHz Ant1

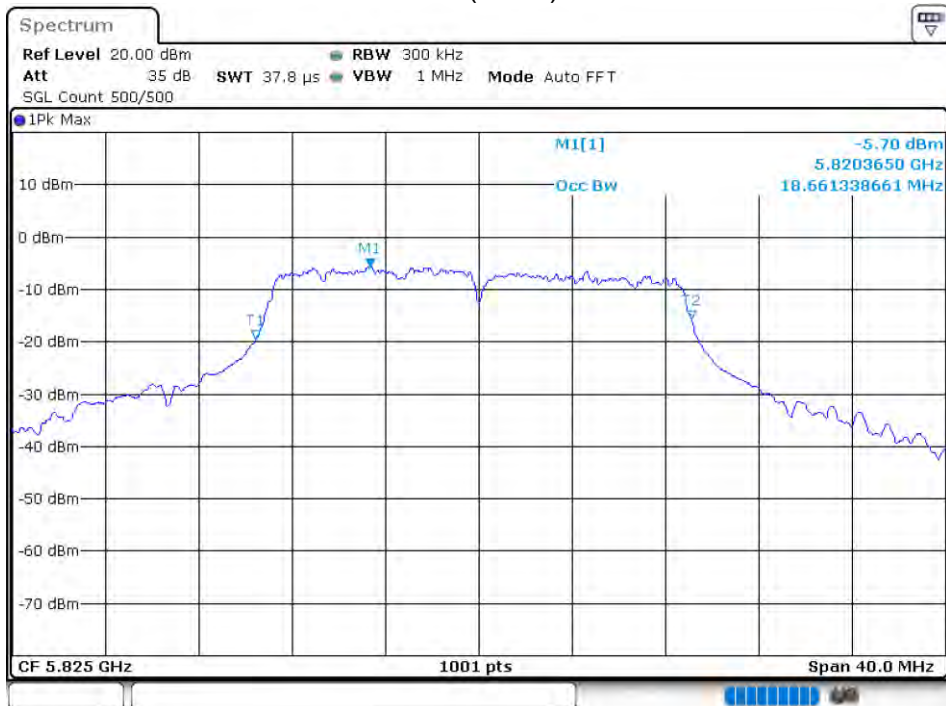




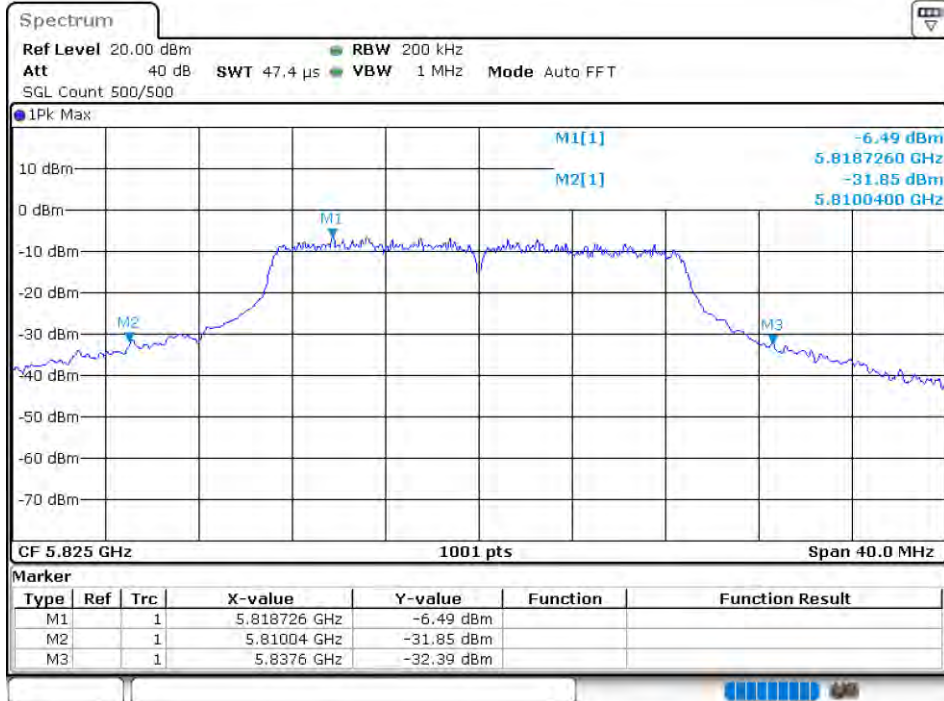
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



OBW NVNT 802.11n(HT20) 5825MHz Ant1



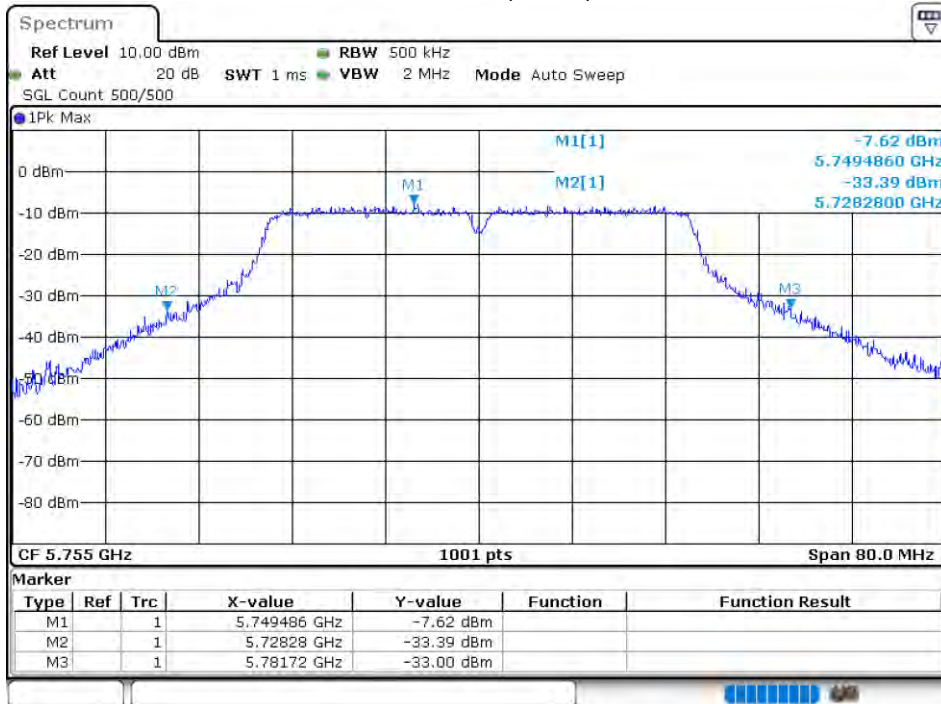
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



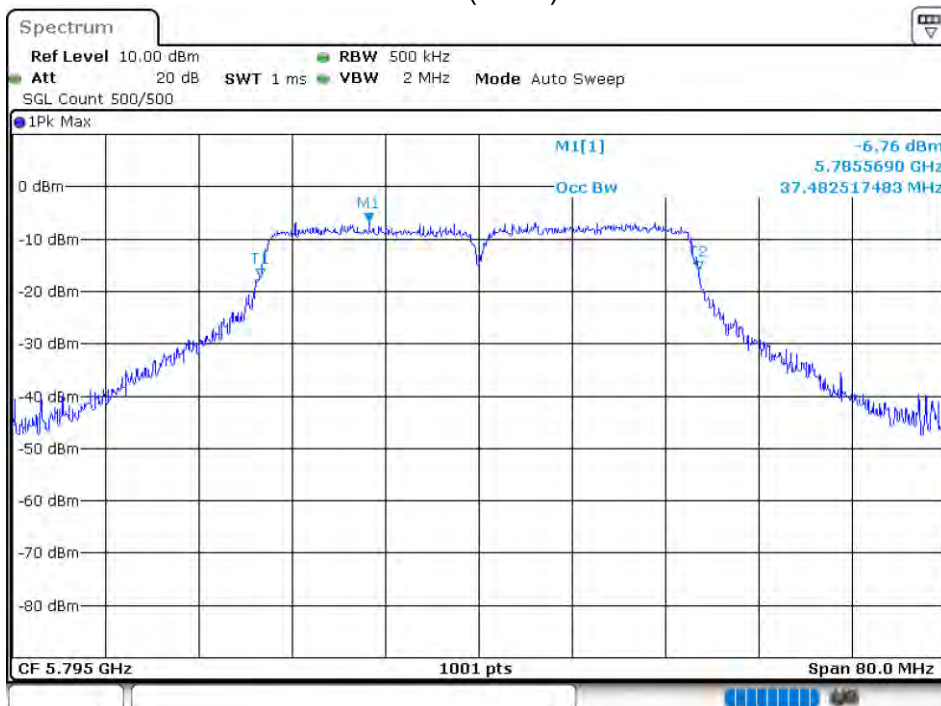
OBW NVNT 802.11n(HT40) 5755MHz Ant1



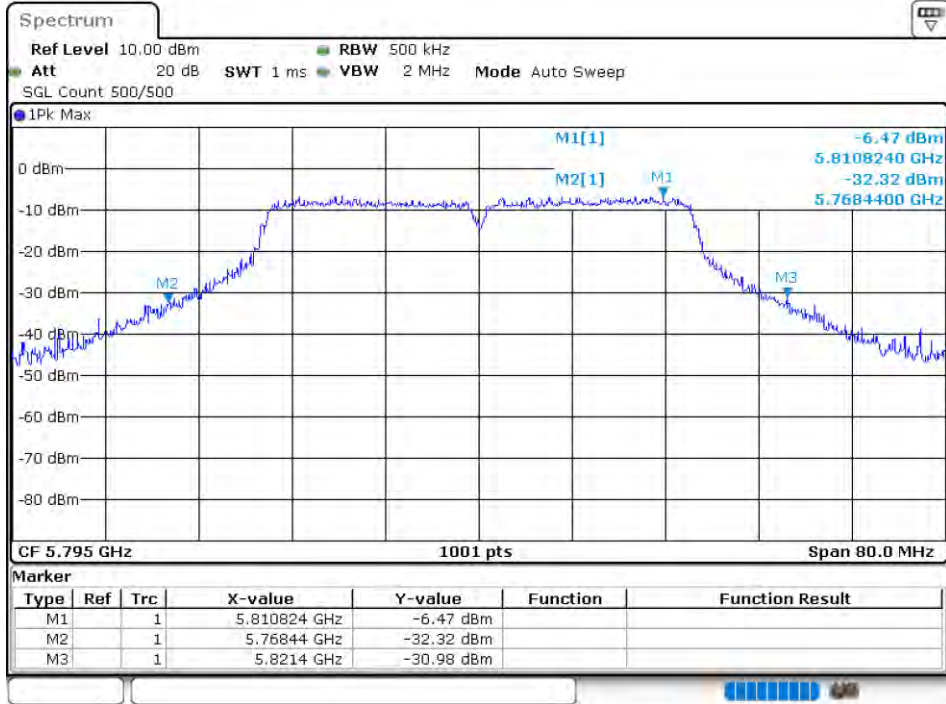
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1

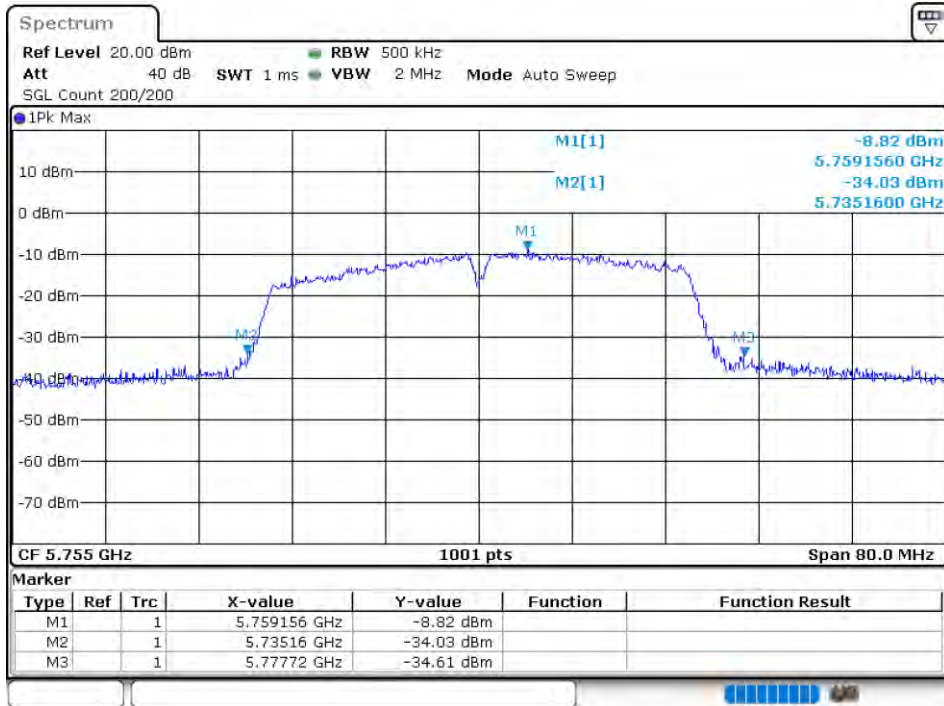


-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1





-26 dB BW NVNT 802.11ac40 5755MHz Ant1

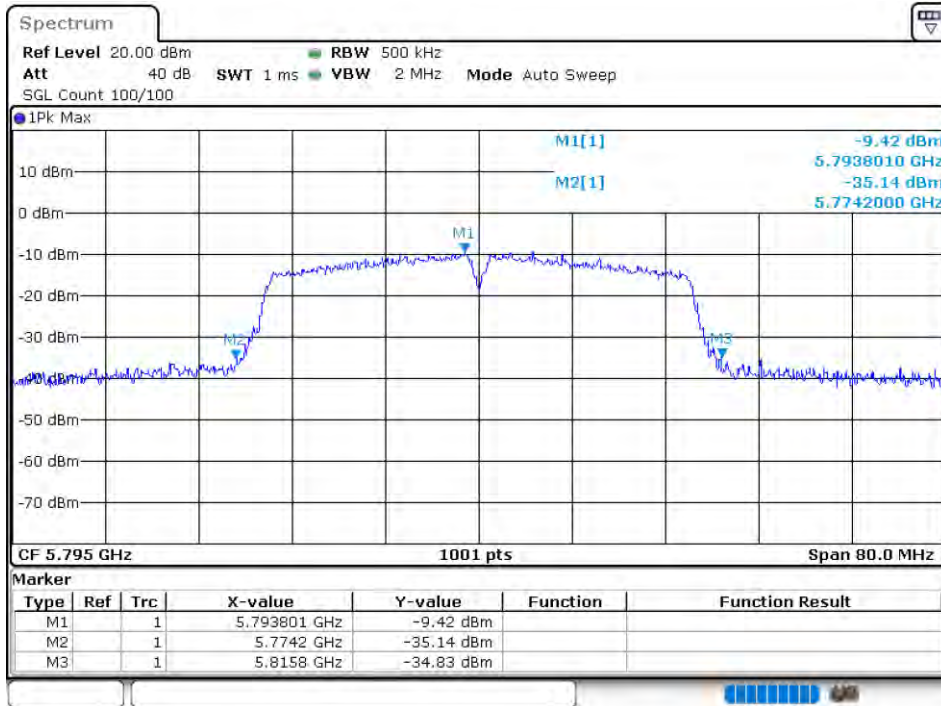


OBW NVNT 802.11ac40 5795MHz Ant1

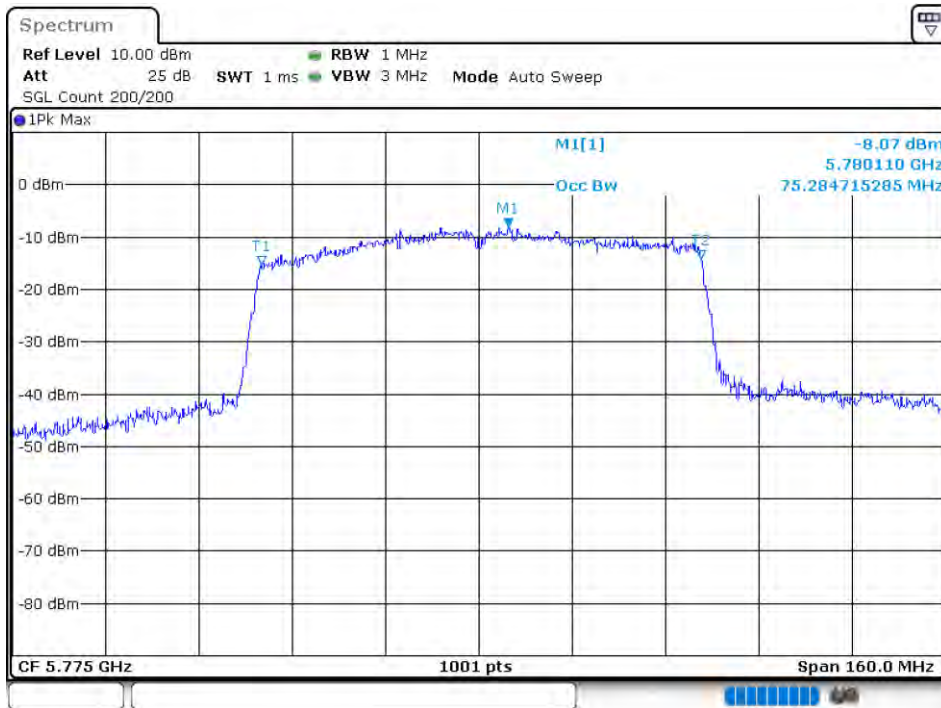




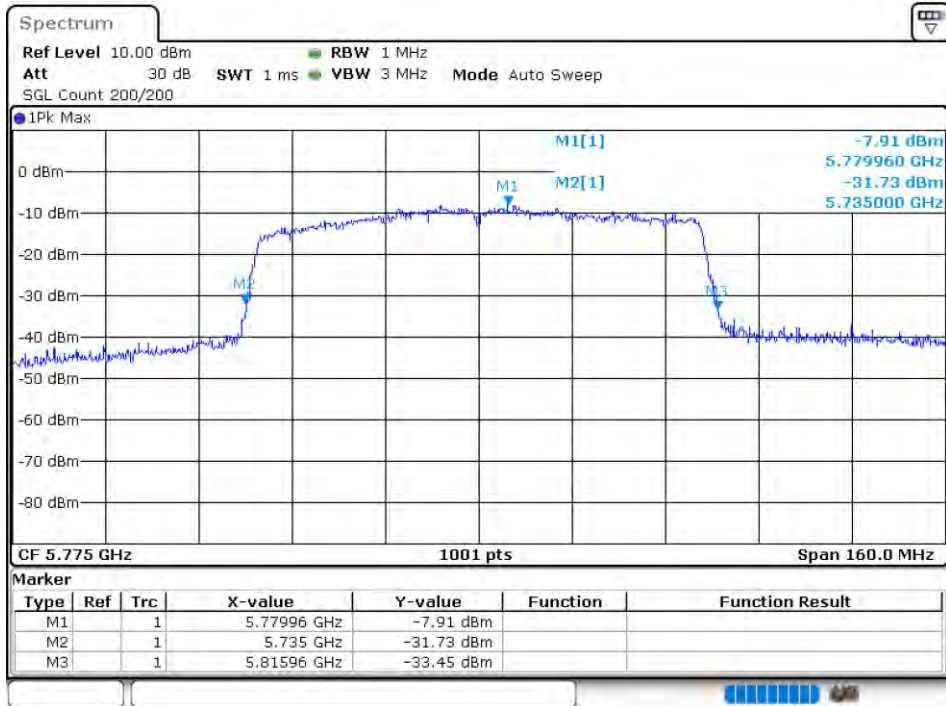
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



OBW NVNT 802.11ac80 5775MHz Ant1



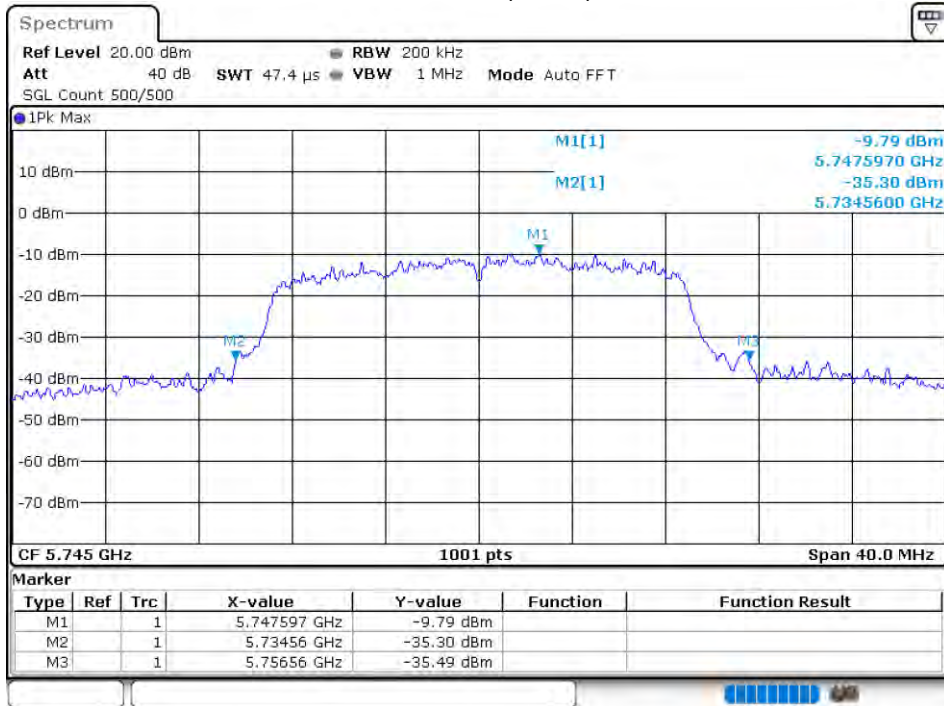
-26 dB BW NVNT 802.11ac80 5775MHz Ant1



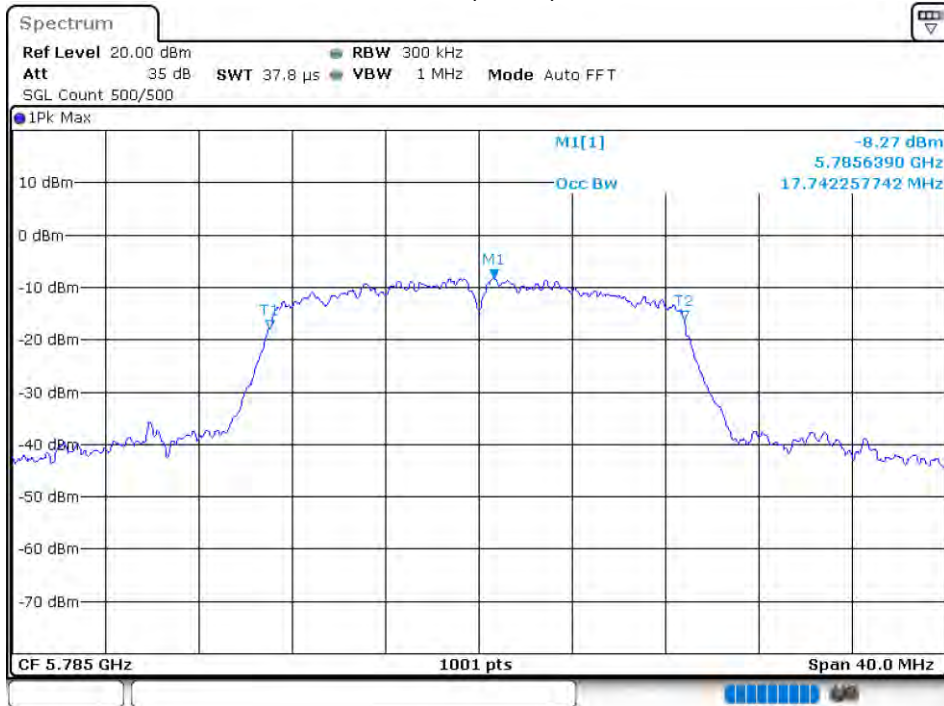
OBW NVNT 802.11n(HT20) 5745MHz Ant1



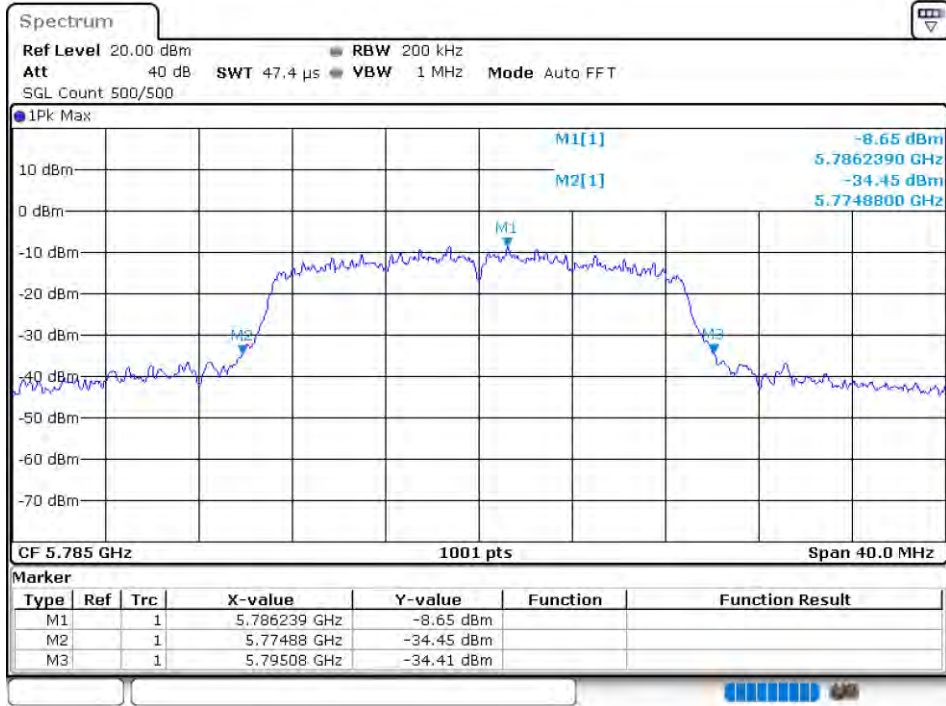
-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1



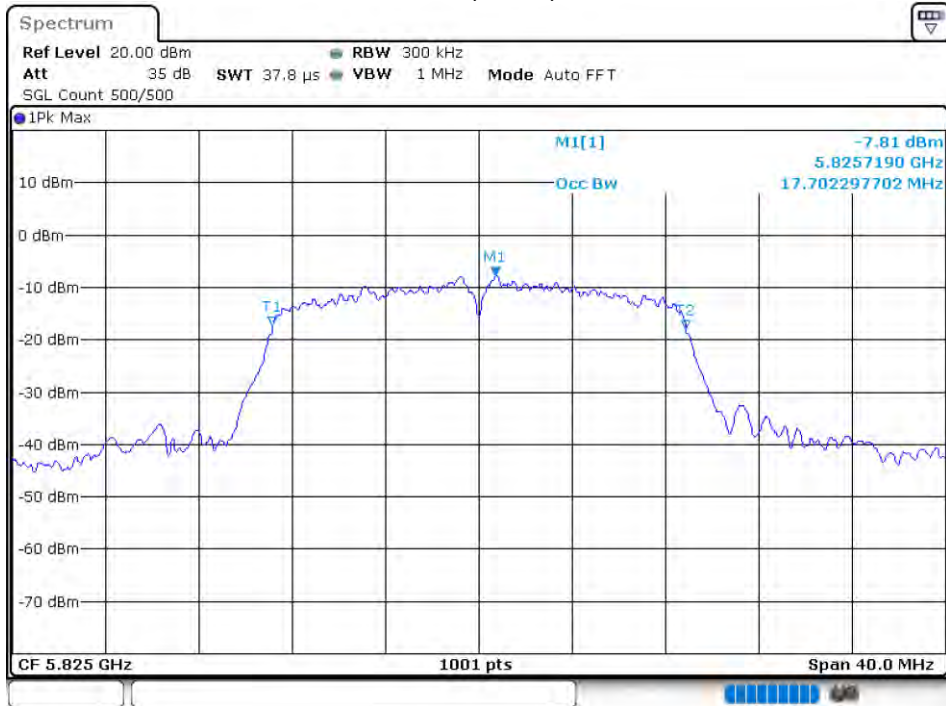
OBW NVNT 802.11n(HT20) 5785MHz Ant1



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

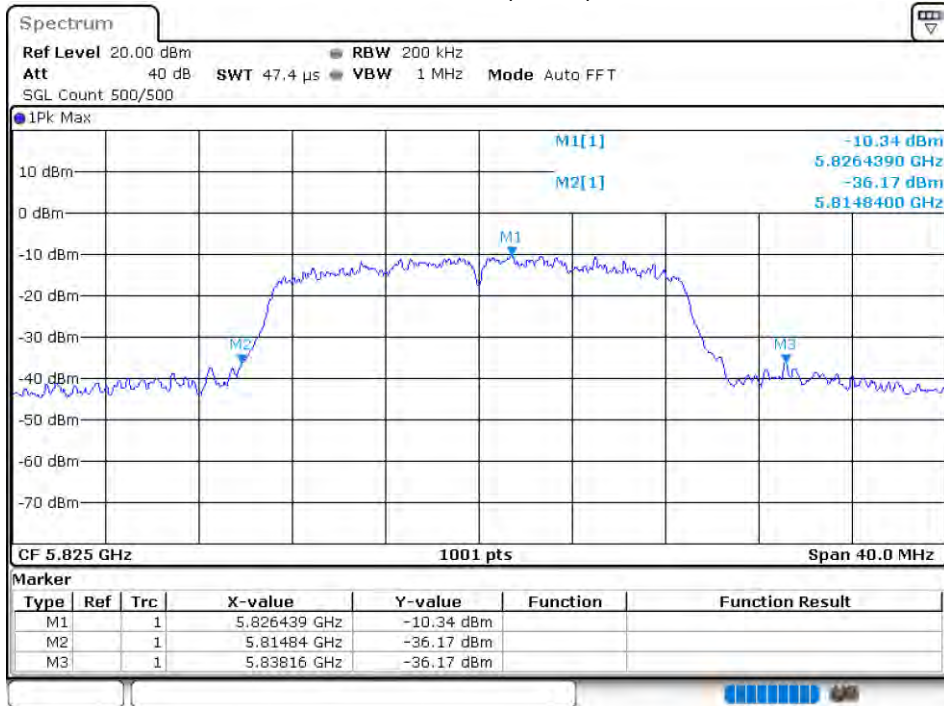


OBW NVNT 802.11n(HT20) 5825MHz Ant1

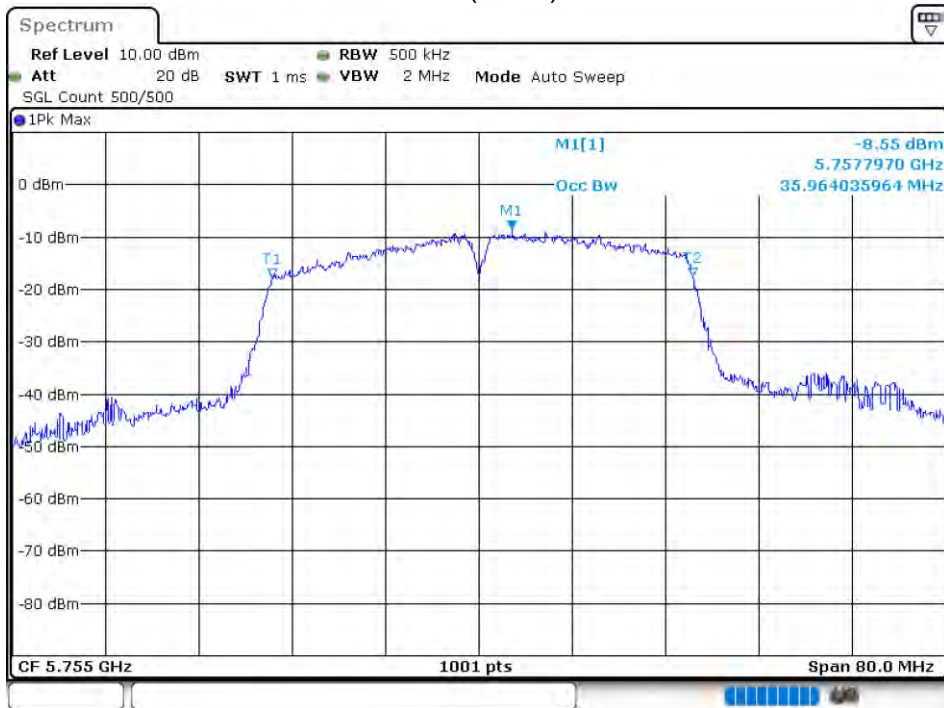




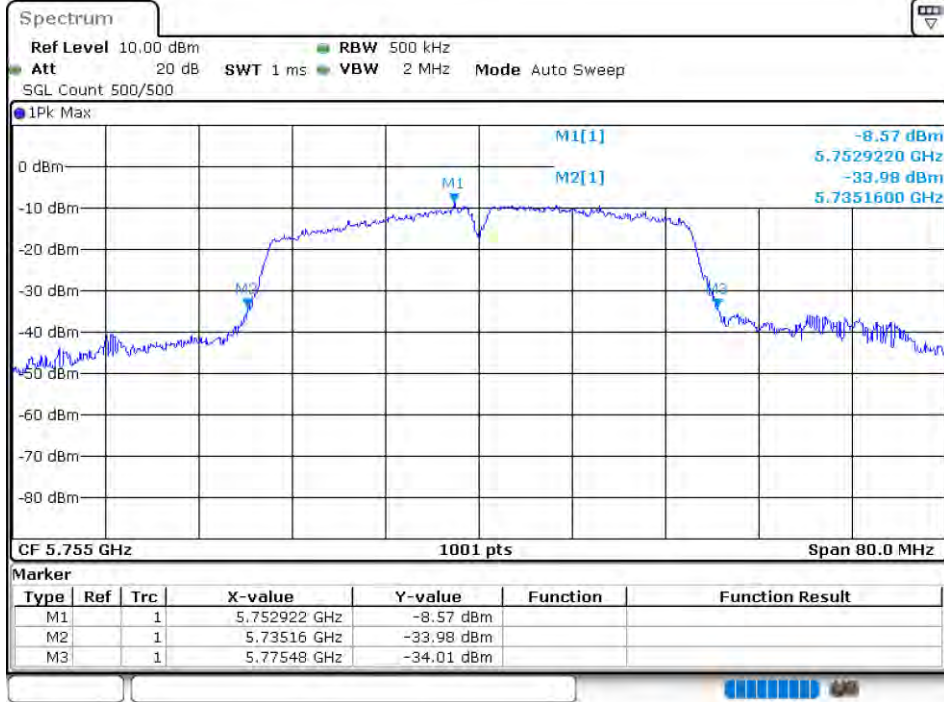
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



OBW NVNT 802.11n(HT40) 5755MHz Ant1



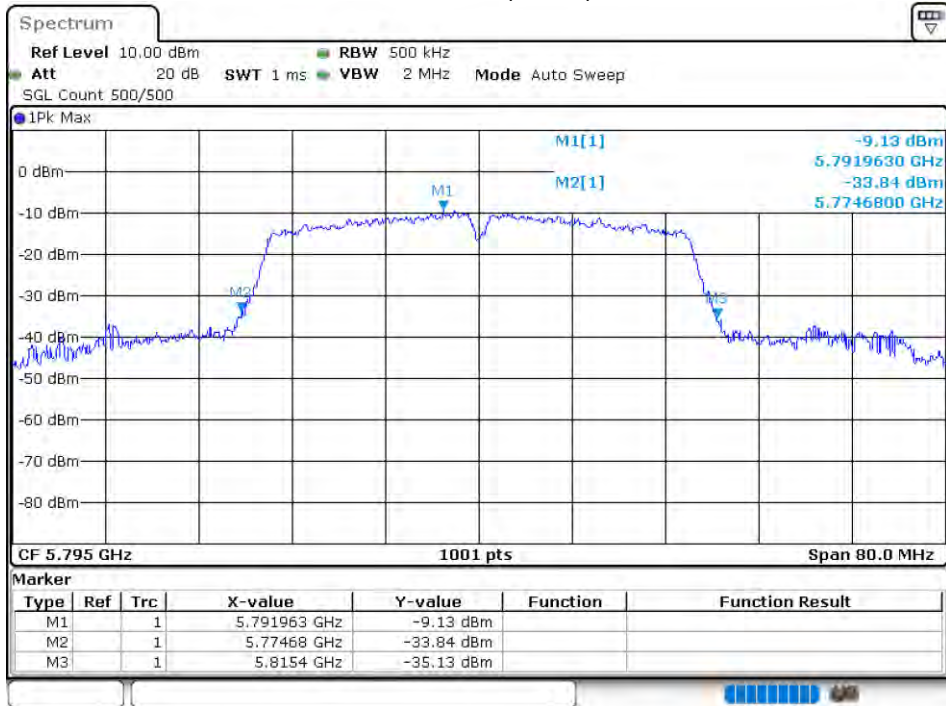
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1



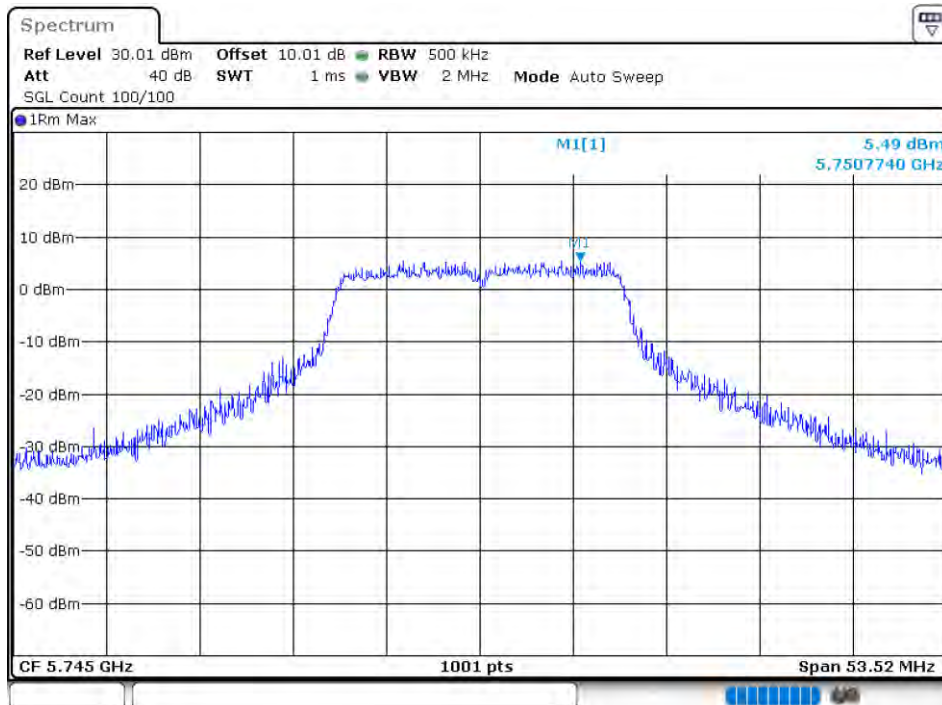
-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1



**5.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL**

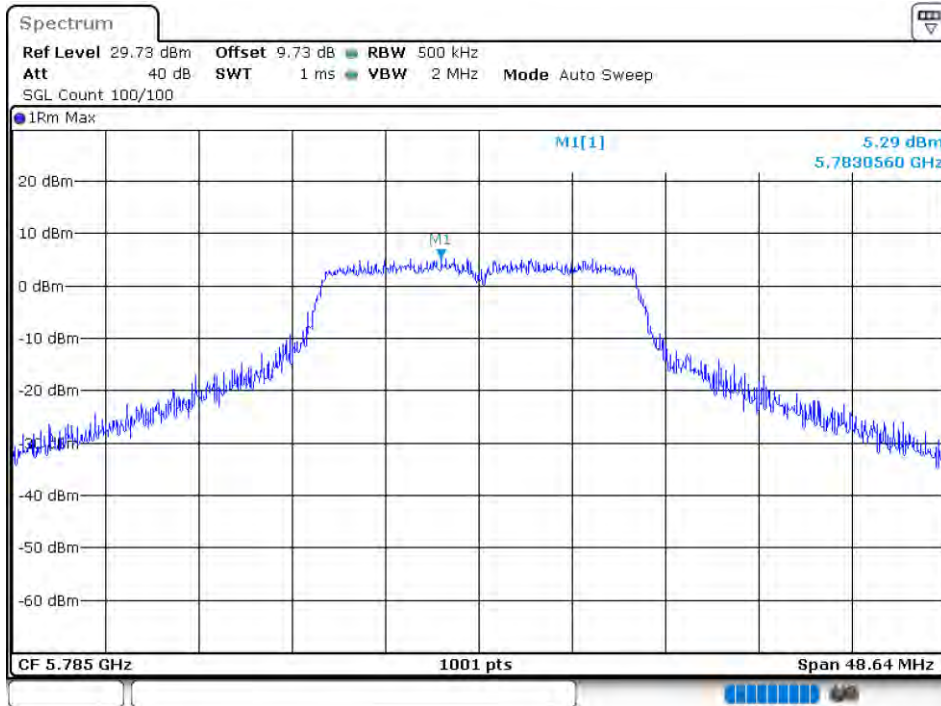
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	5.486	30	Pass
NVNT	802.11a	5785	Ant 1	5.29	30	Pass
NVNT	802.11a	5825	Ant 1	5.837	30	Pass
NVNT	802.11ac20	5745	Ant 1	5.306	30	Pass
NVNT	802.11ac20	5785	Ant 1	6.361	30	Pass
NVNT	802.11ac20	5825	Ant 1	5.604	30	Pass
NVNT	802.11ac40	5755	Ant 1	2.588	30	Pass
NVNT	802.11ac40	5795	Ant 1	2.851	30	Pass
NVNT	802.11ac80	5775	Ant 1	-1.844	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	6.193	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	7.4	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	6.299	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	0.954	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	1.972	30	Pass

PSD NVNT 802.11a 5745MHz Ant1

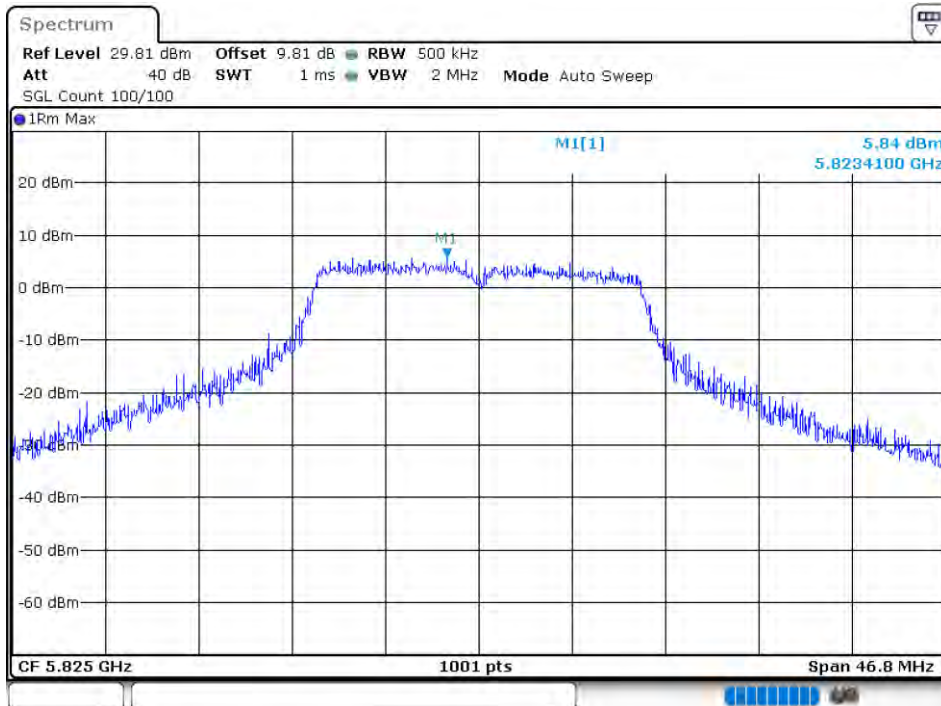


PSD NVNT 802.11a 5785MHz Ant1

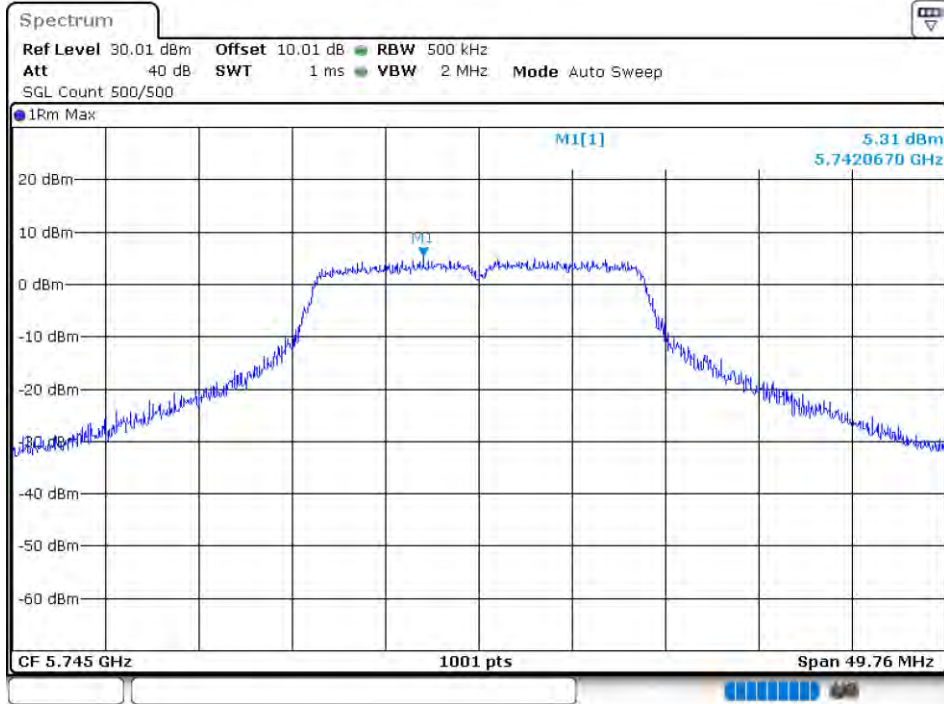




PSD NVNT 802.11a 5825MHz Ant1



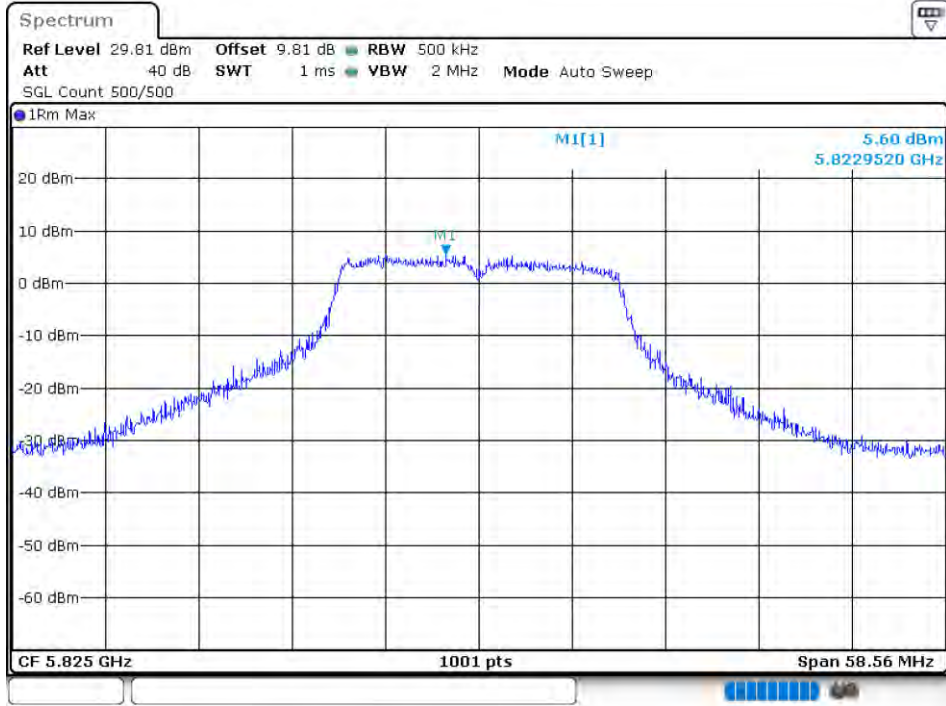
PSD NVNT 802.11ac20 5745MHz Ant1



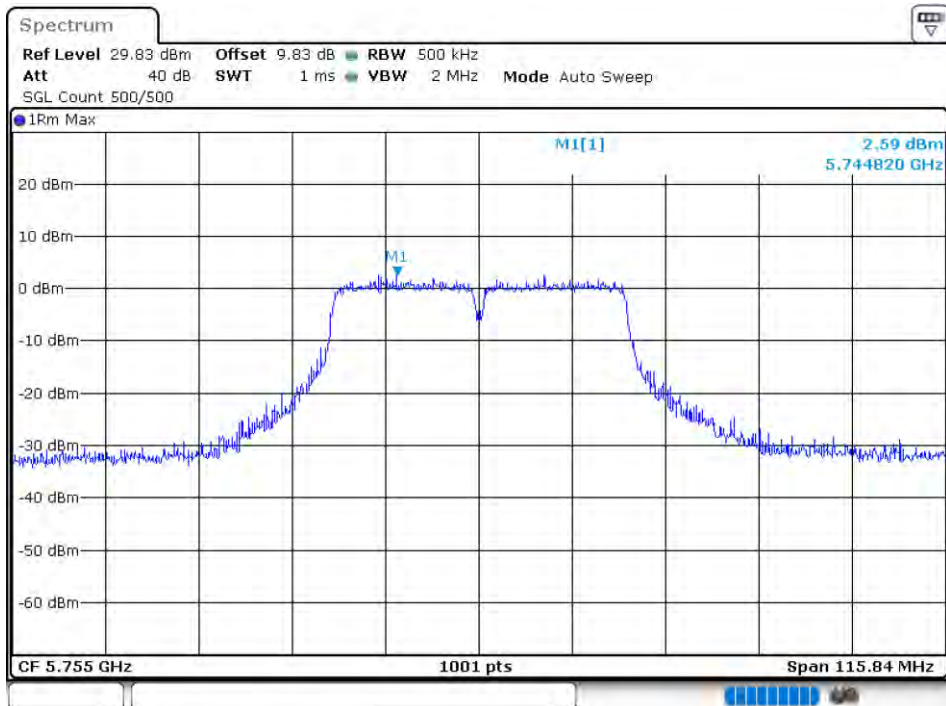
PSD NVNT 802.11ac20 5785MHz Ant1



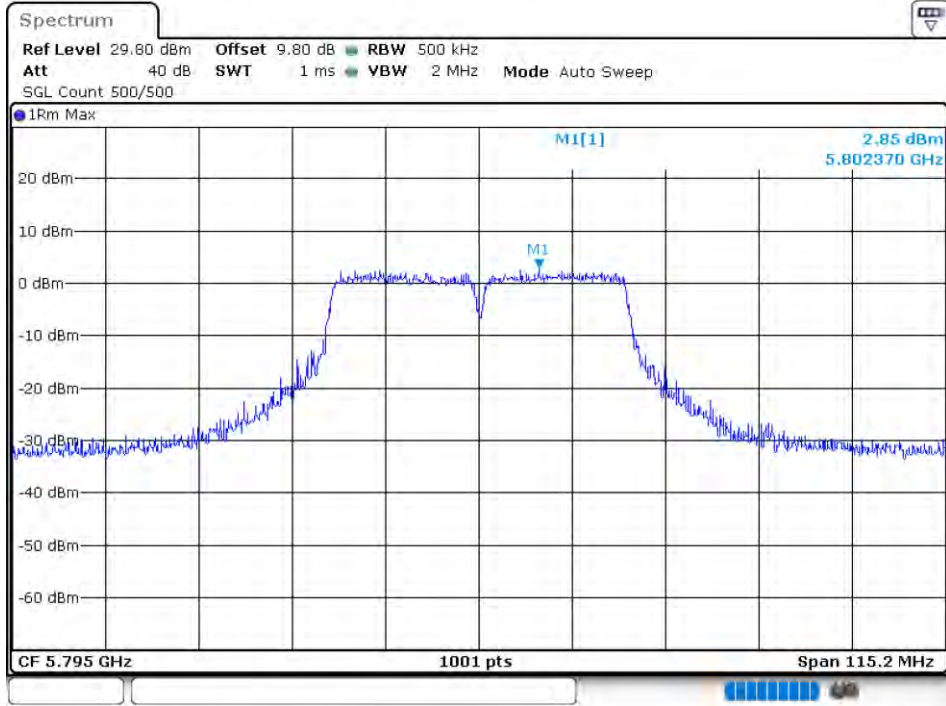
PSD NVNT 802.11ac20 5825MHz Ant1



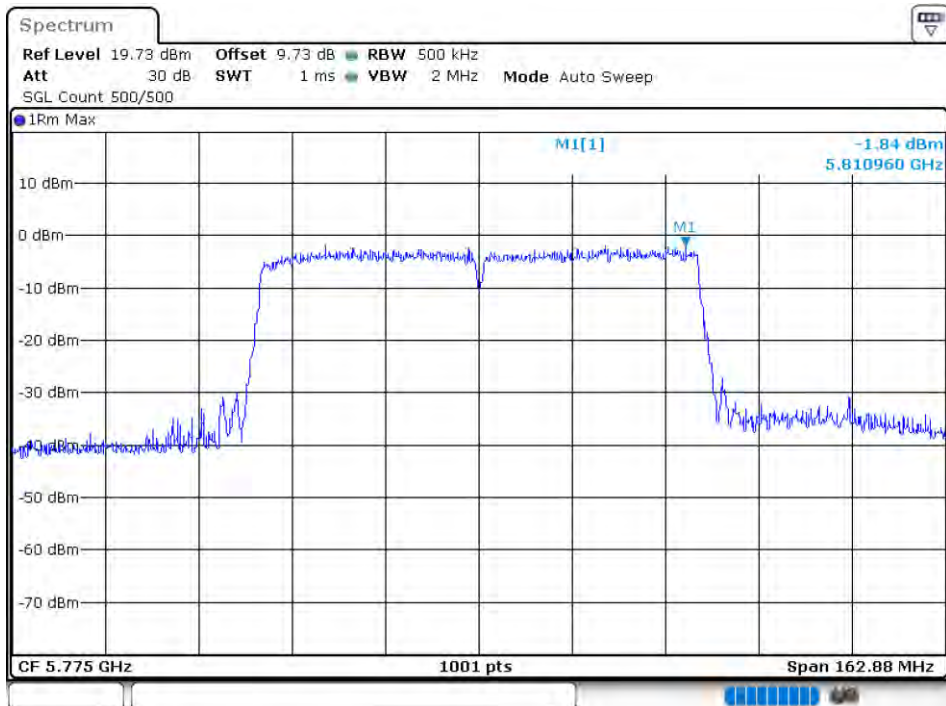
PSD NVNT 802.11ac40 5755MHz Ant1



PSD NVNT 802.11ac40 5795MHz Ant1

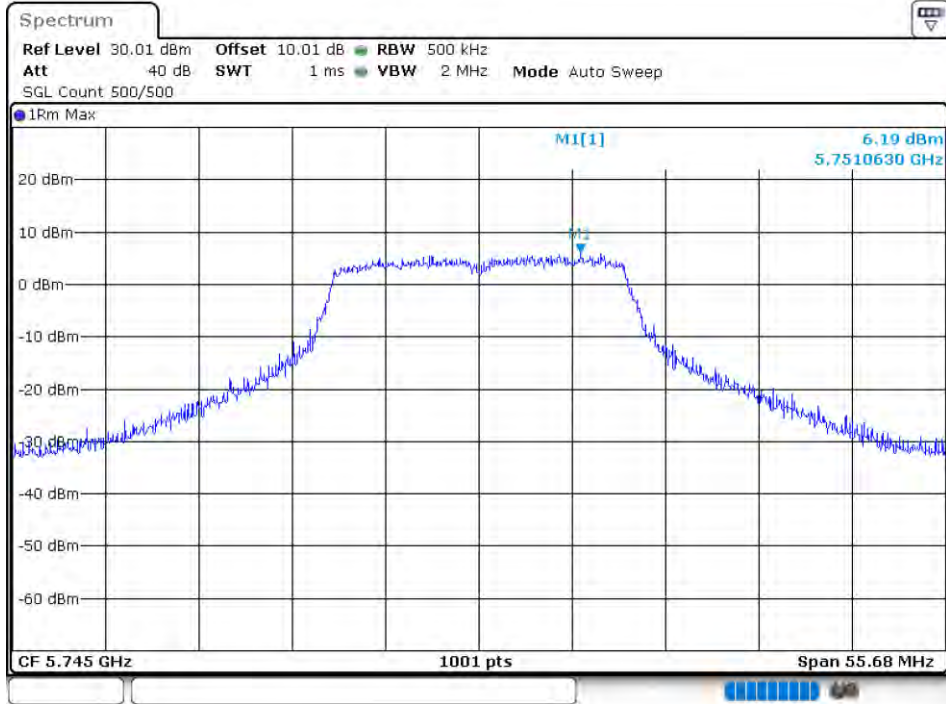


PSD NVNT 802.11ac80 5775MHz Ant1

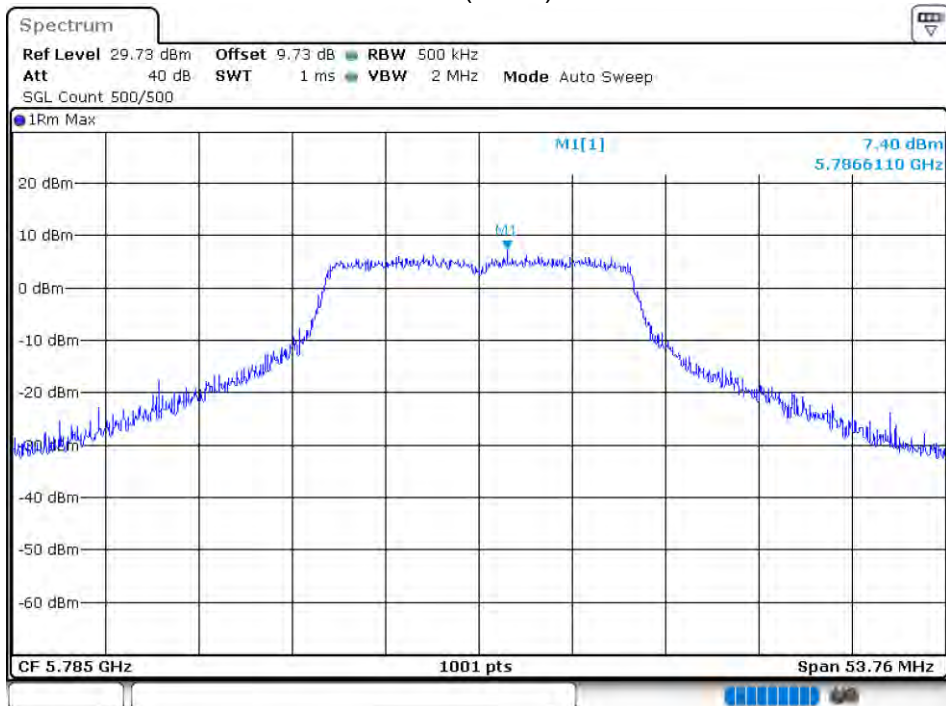




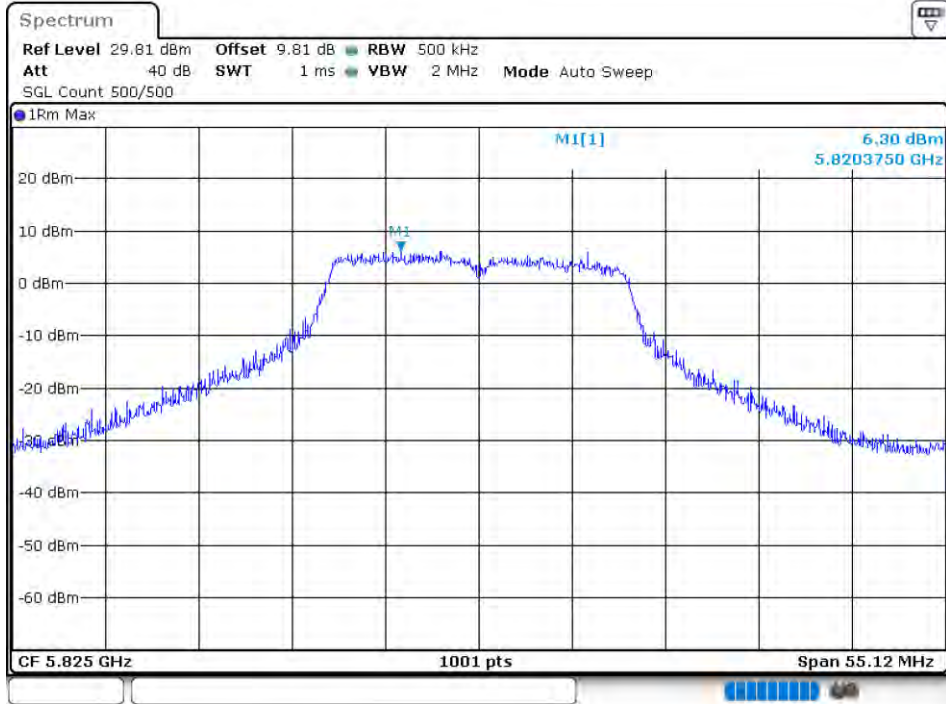
PSD NVNT 802.11n(HT20) 5745MHz Ant1



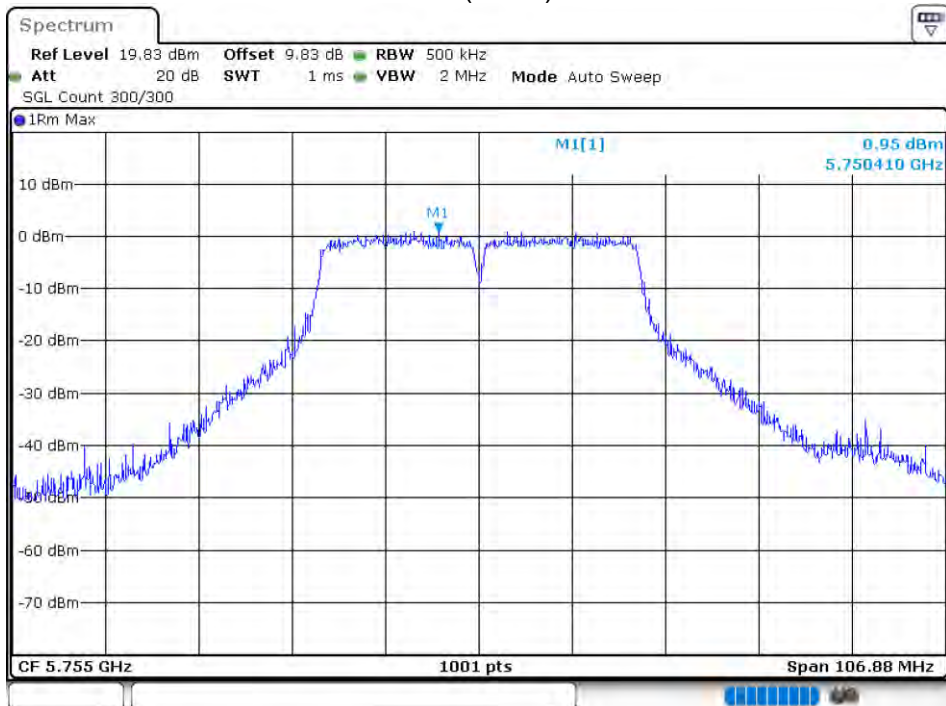
PSD NVNT 802.11n(HT20) 5785MHz Ant1



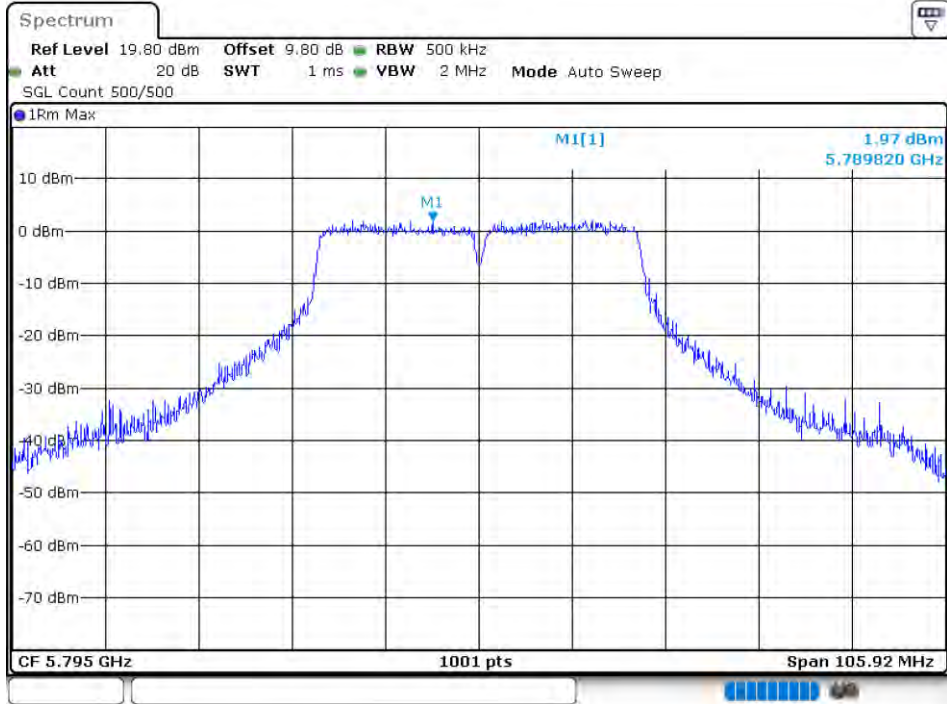
PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1



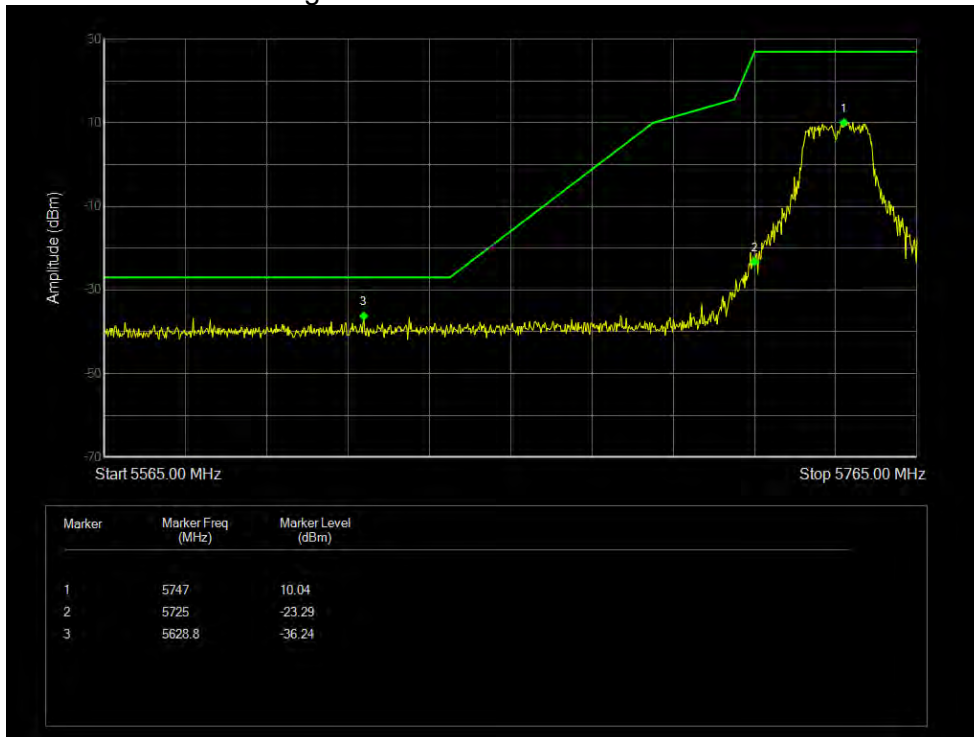
PSD NVNT 802.11n(HT40) 5795MHz Ant1



5.5 BAND EDGE

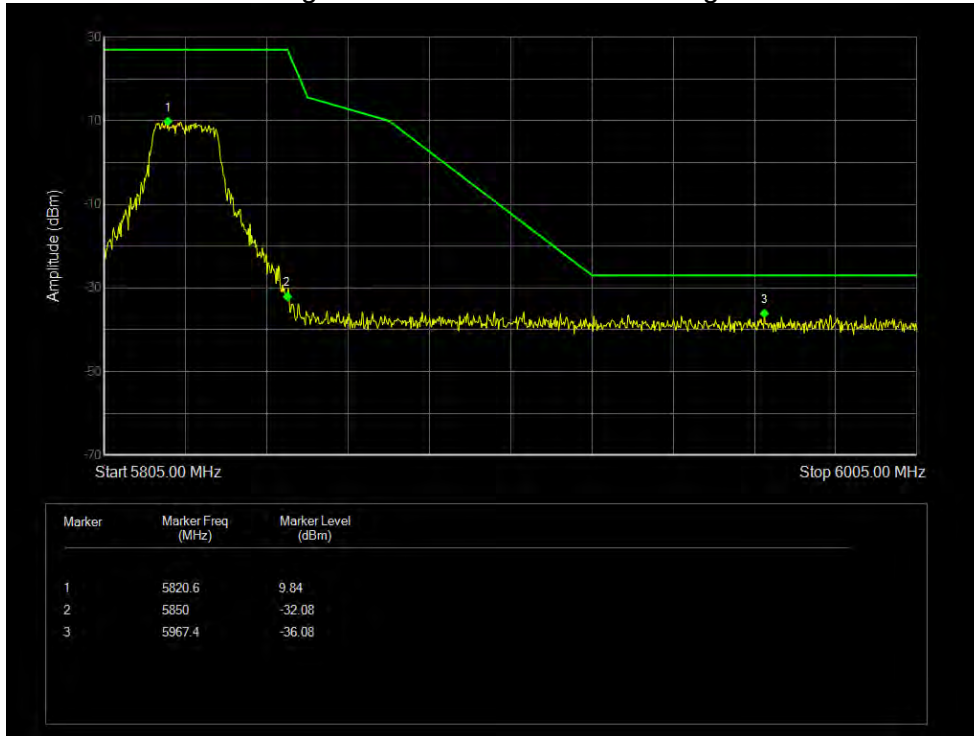
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-36.24	-27	Pass
NVNT	802.11a	5825	Ant 1	-36.08	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-37.16	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-36.15	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-37.24	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-36.84	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-37.22	-4.5	Pass
NVNT	802.11ac80	5775	Ant 1	-38.5	-22.85	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-37.03	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-36	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-37.46	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-36.06	-27	Pass

Band Edge NVNT 802.11a 5745MHz Low Ant1

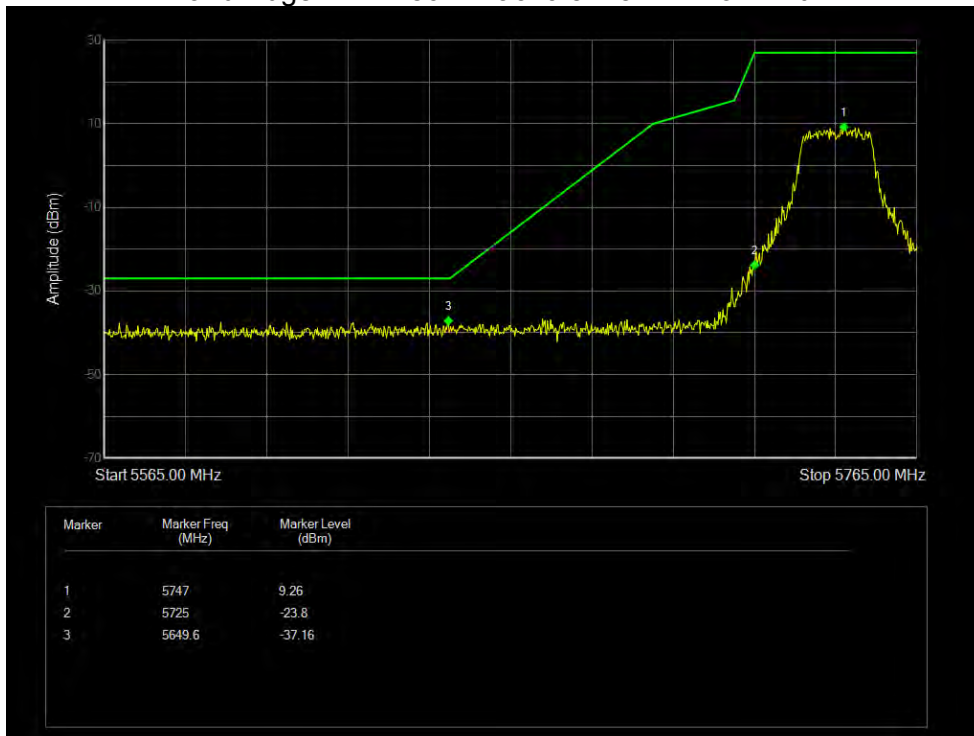




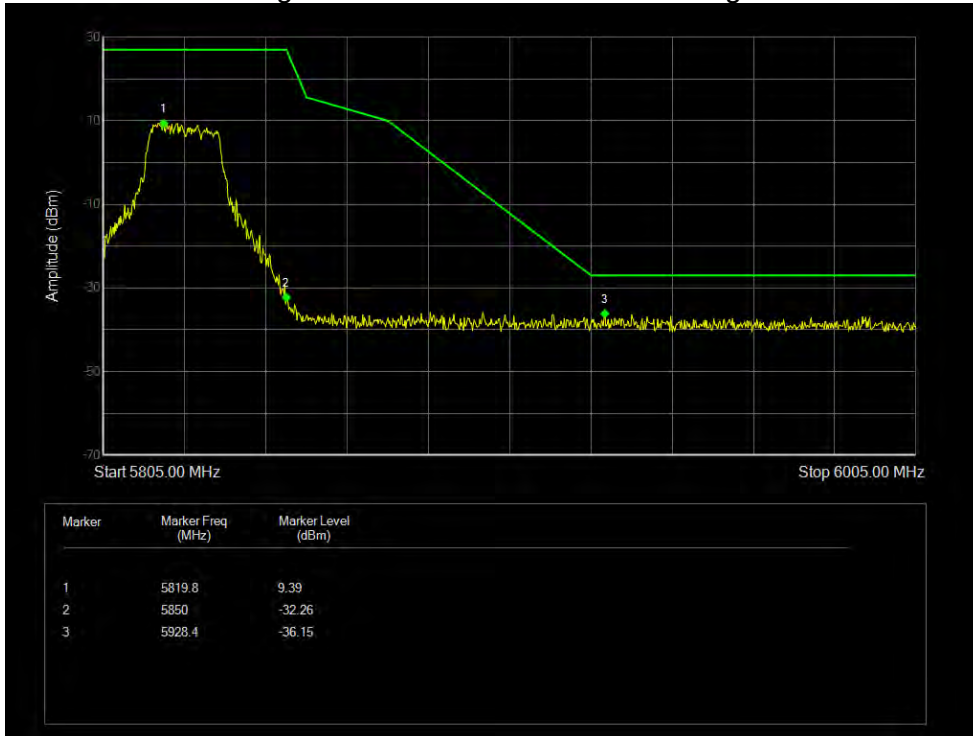
Band Edge NVNT 802.11a 5825MHz High Ant1



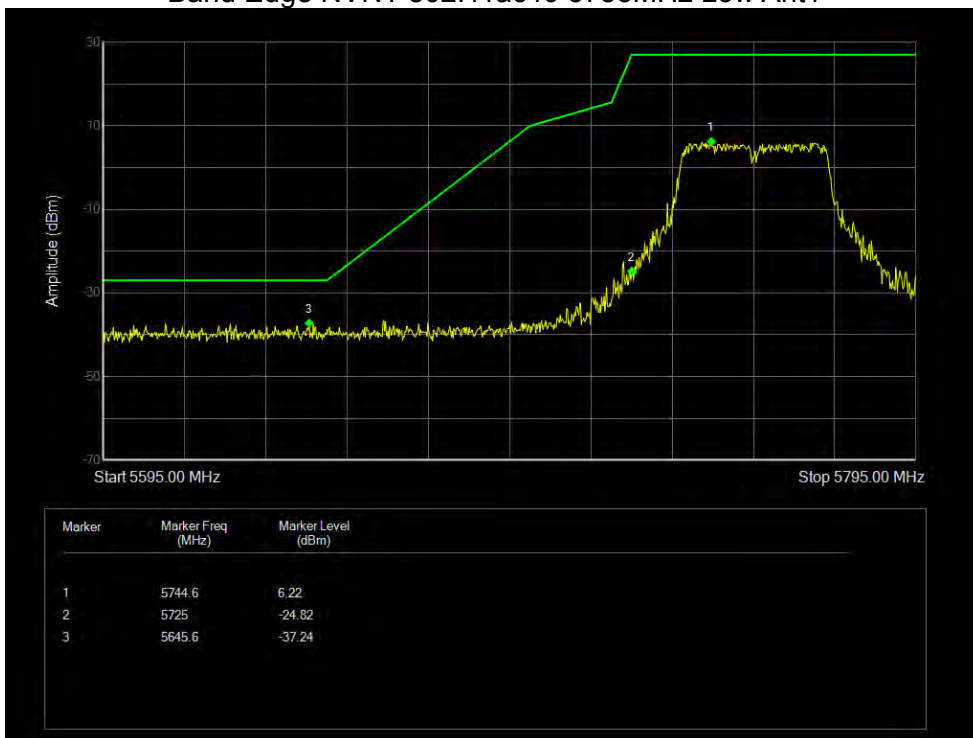
Band Edge NVNT 802.11ac20 5745MHz Low Ant1



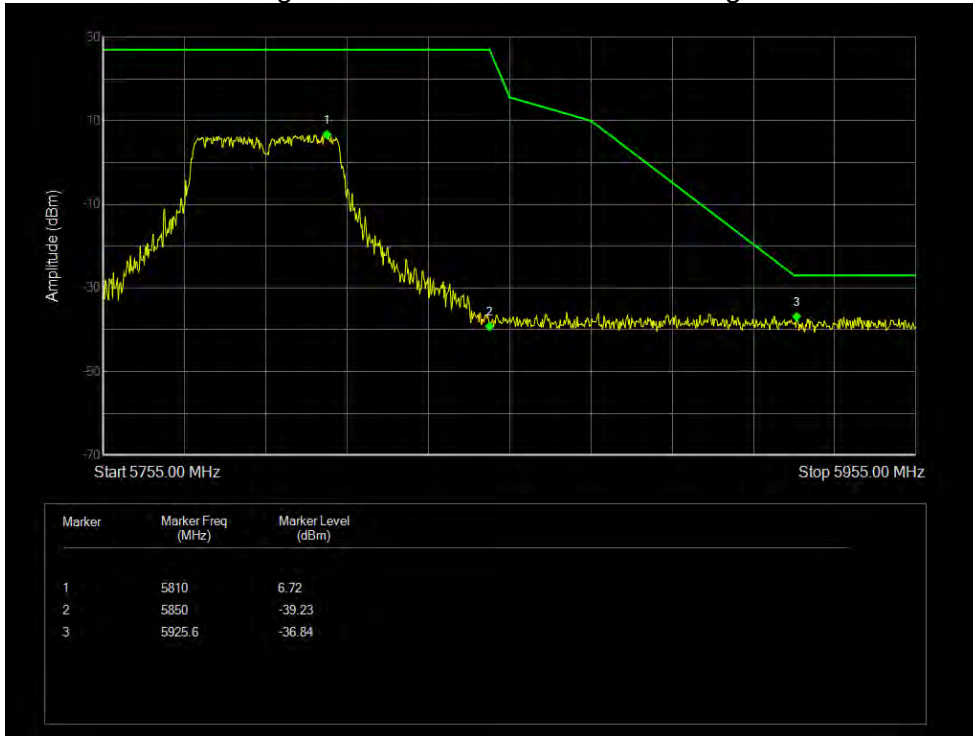
Band Edge NVNT 802.11ac20 5825MHz High Ant1



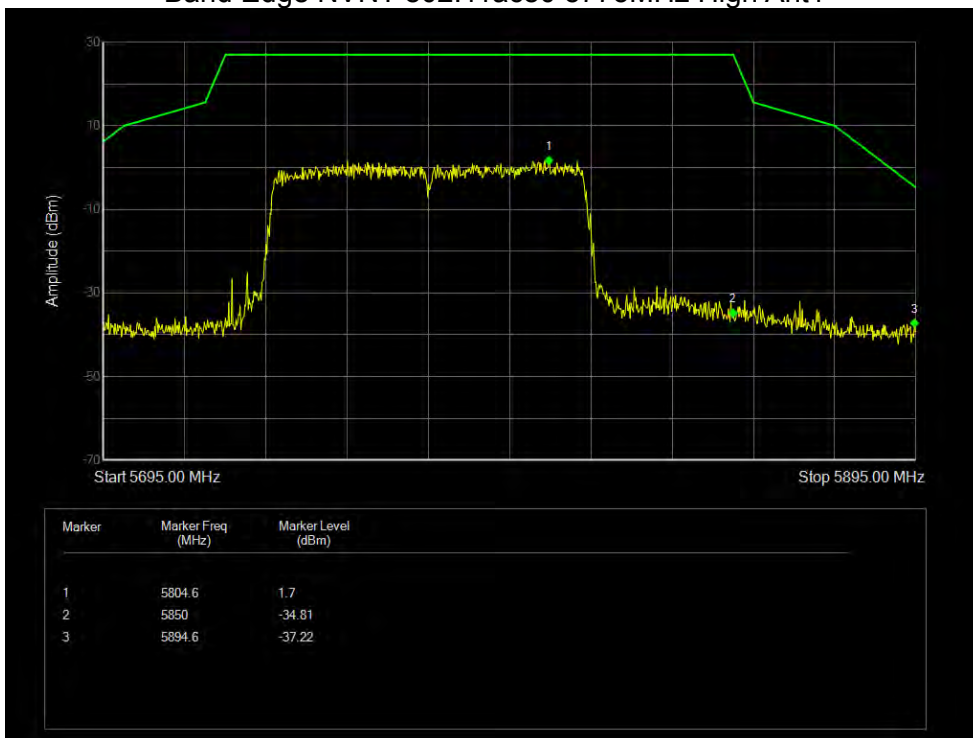
Band Edge NVNT 802.11ac40 5755MHz Low Ant1



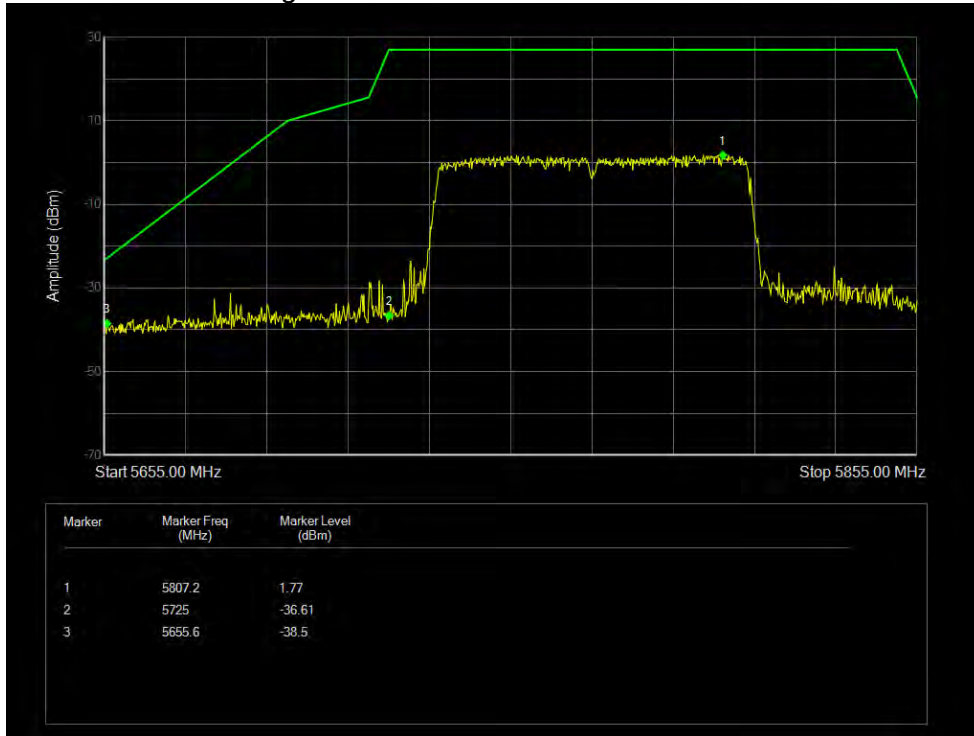
Band Edge NVNT 802.11ac40 5795MHz High Ant1



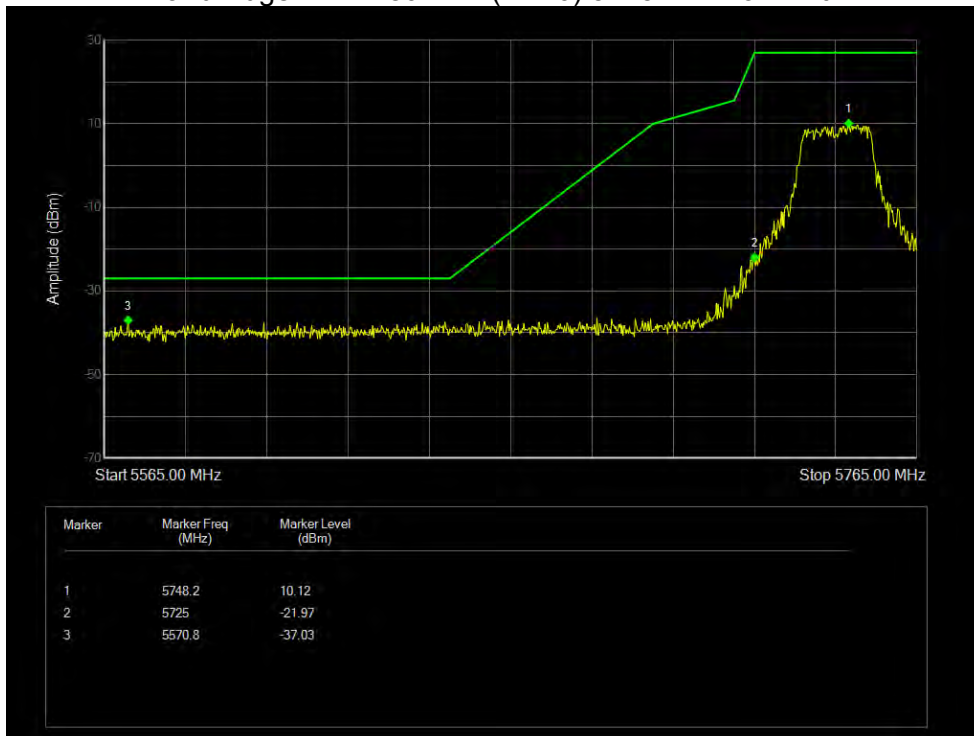
Band Edge NVNT 802.11ac80 5775MHz High Ant1



Band Edge NVNT 802.11ac80 5775MHz Low Ant1

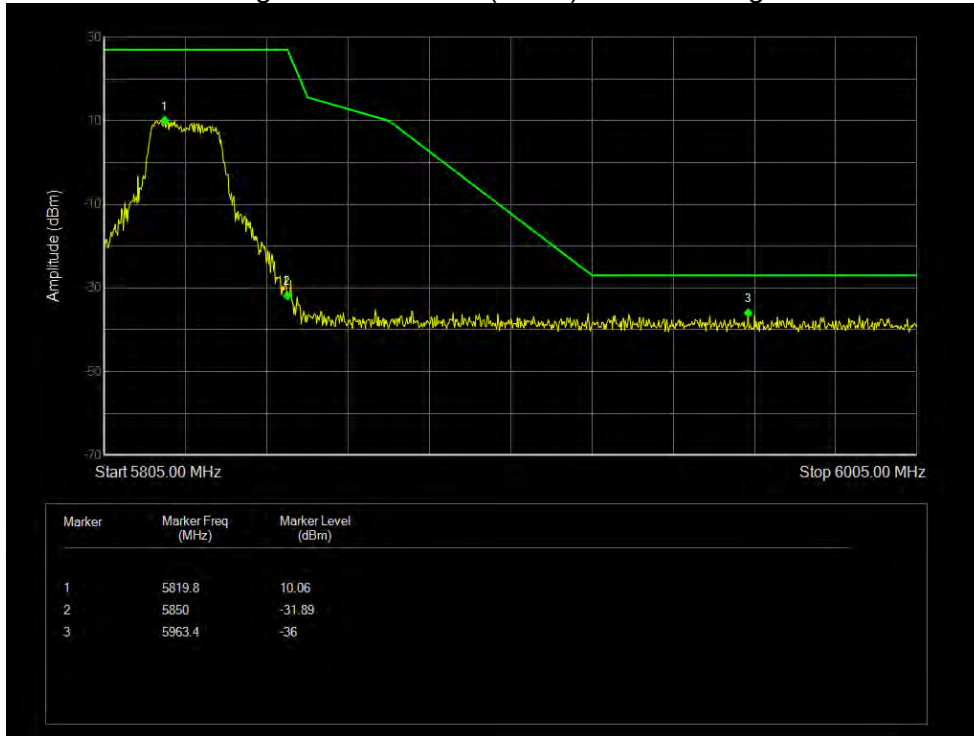


Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant1

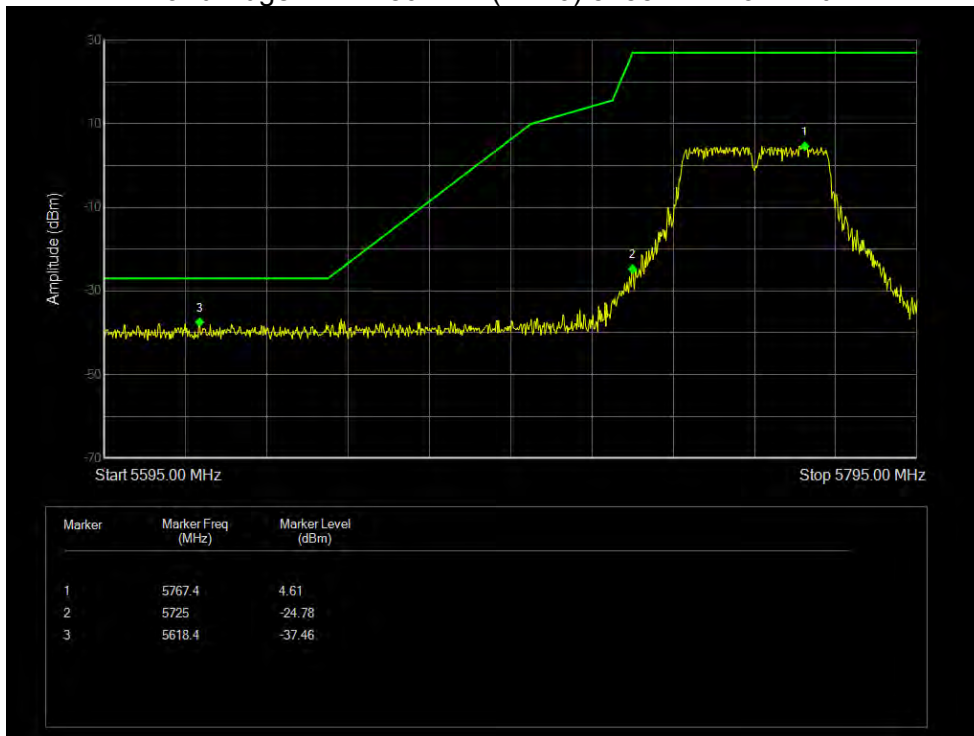




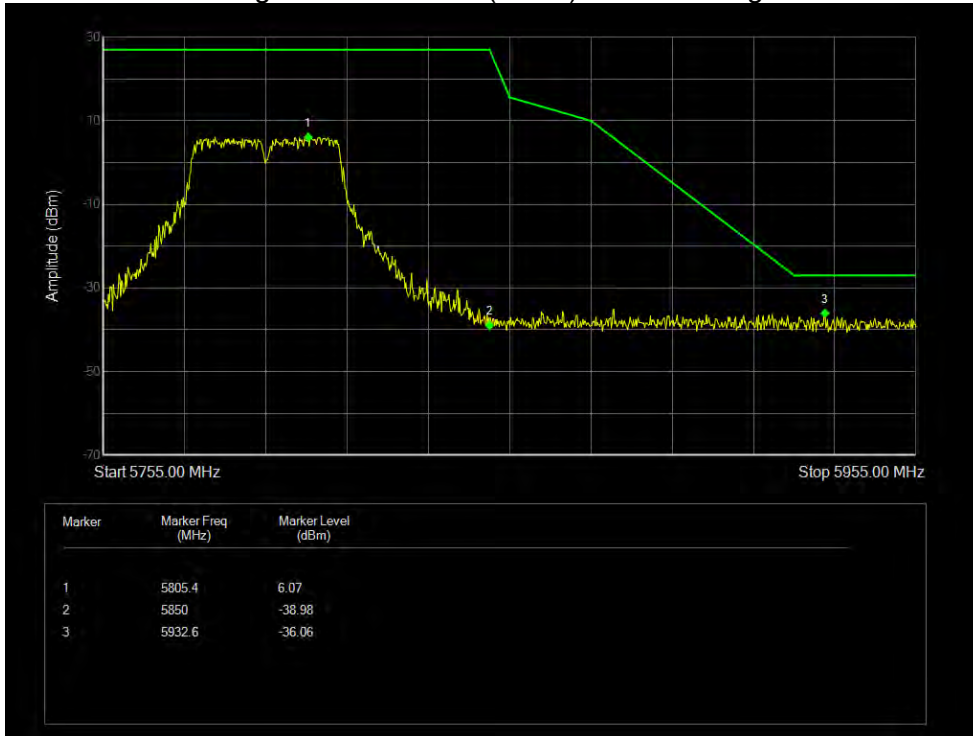
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1



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



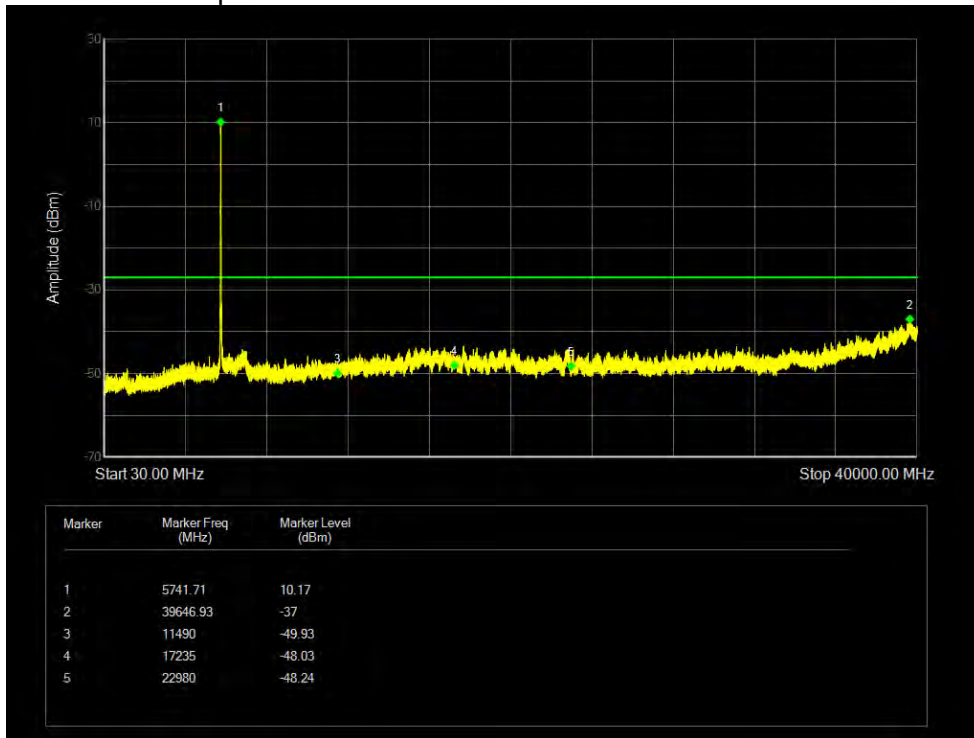
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant1



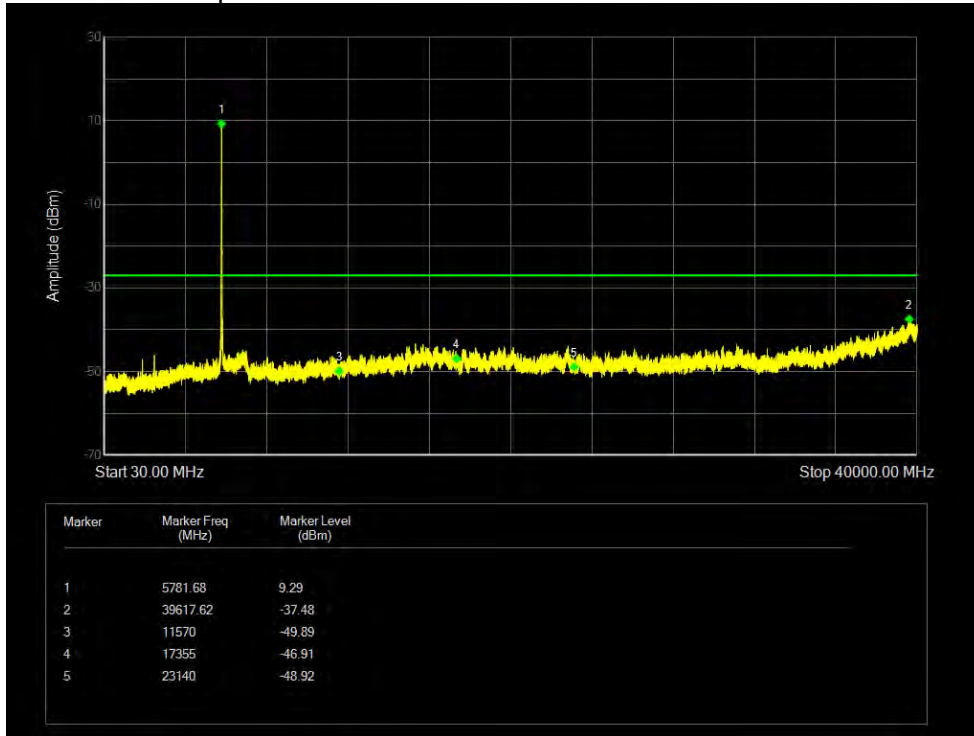
**5.6 CONDUCTED RF SPURIOUS EMISSION**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 1	-37	-27	Pass
NVNT	802.11a	5785	Ant 1	-37.48	-27	Pass
NVNT	802.11a	5825	Ant 1	-37.58	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-36.95	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-37.46	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-37.3	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-35.5	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-37.17	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-37.11	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-36.72	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-37.09	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-37.14	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-37.38	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-37.81	-27	Pass

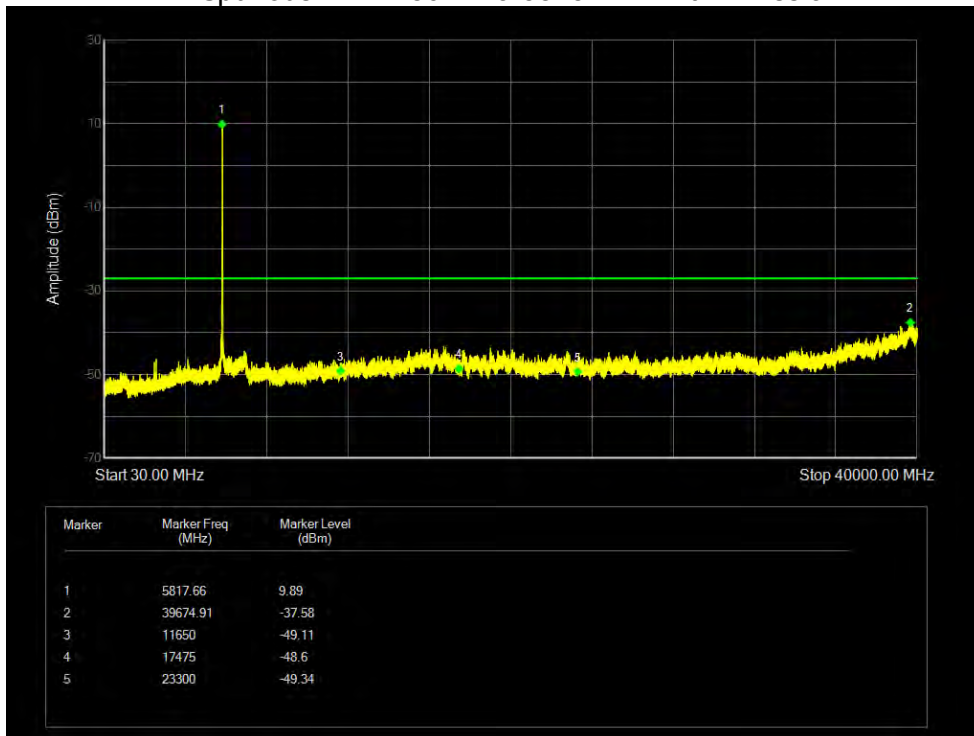
Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission

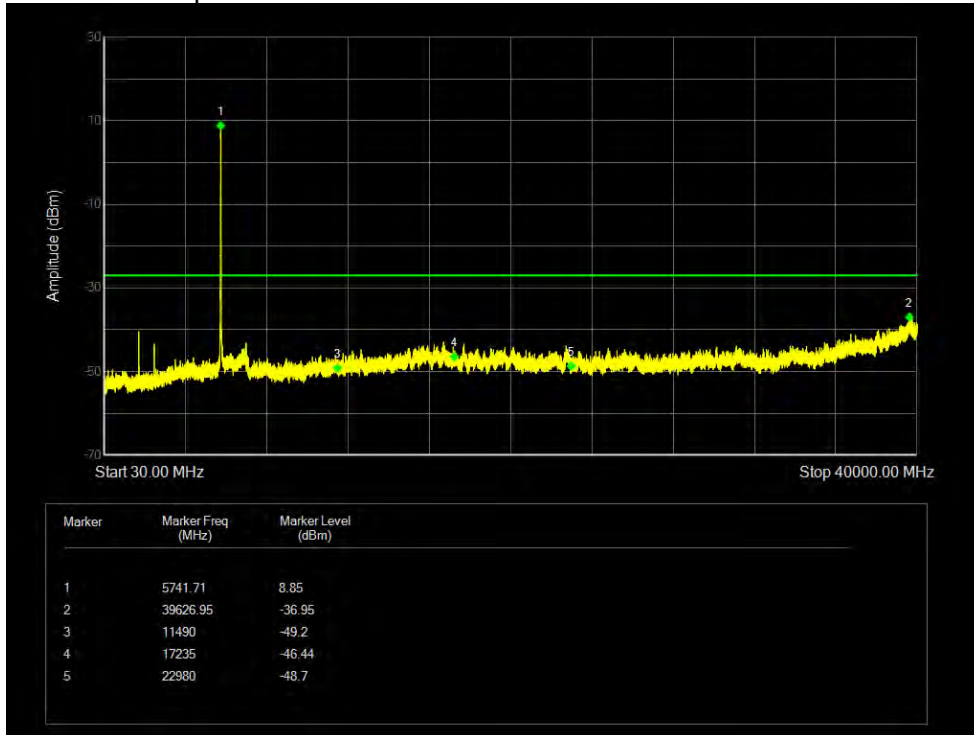


Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission

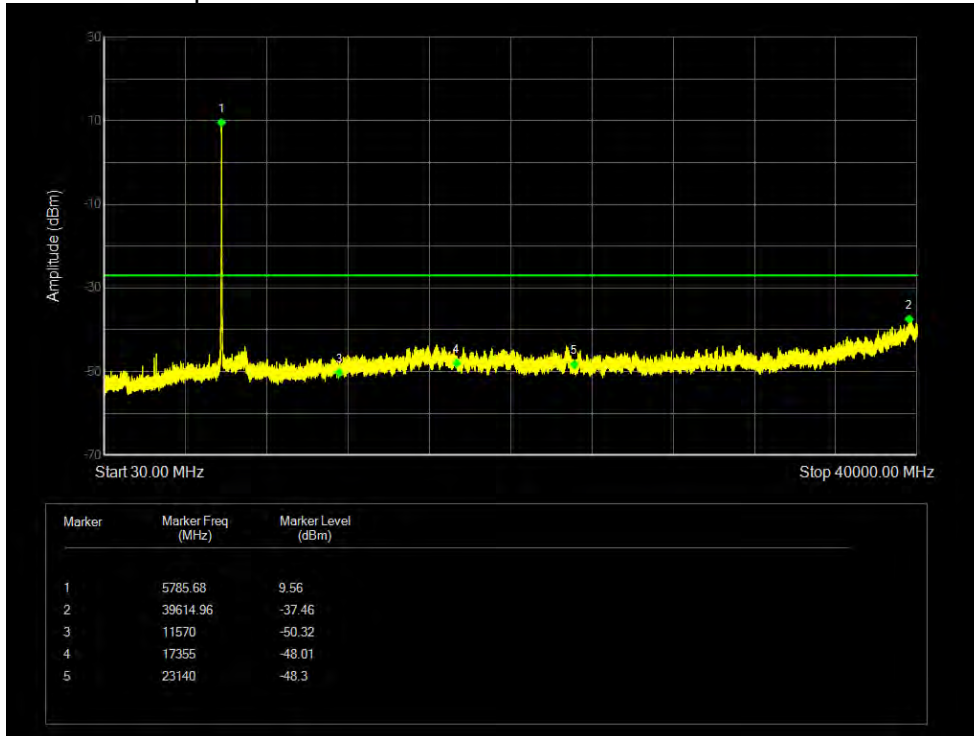




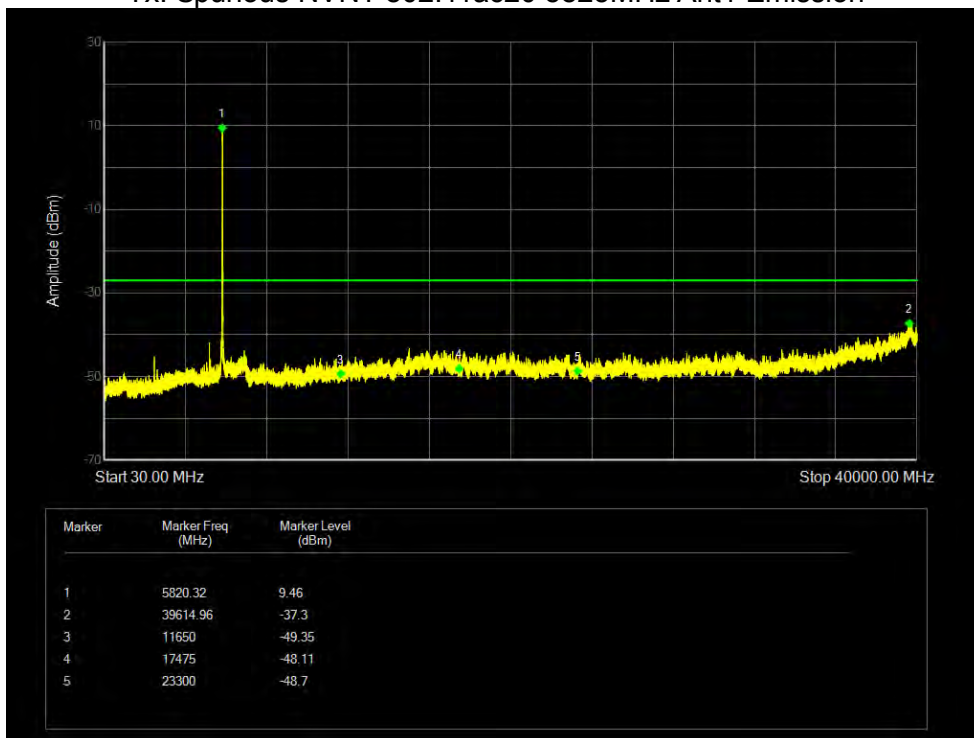
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



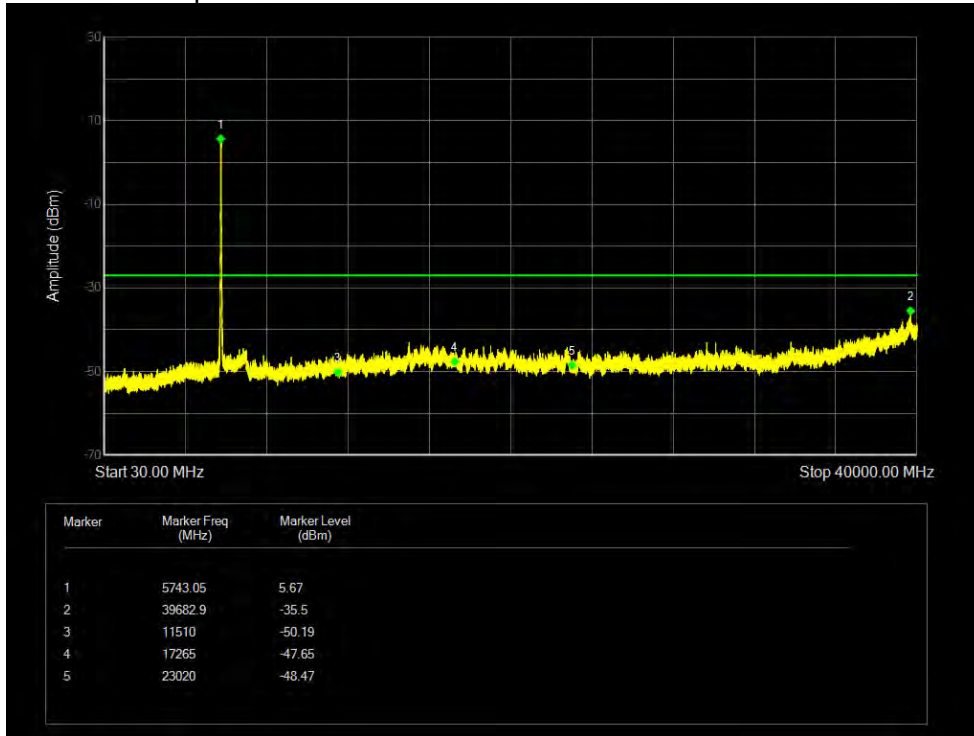
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



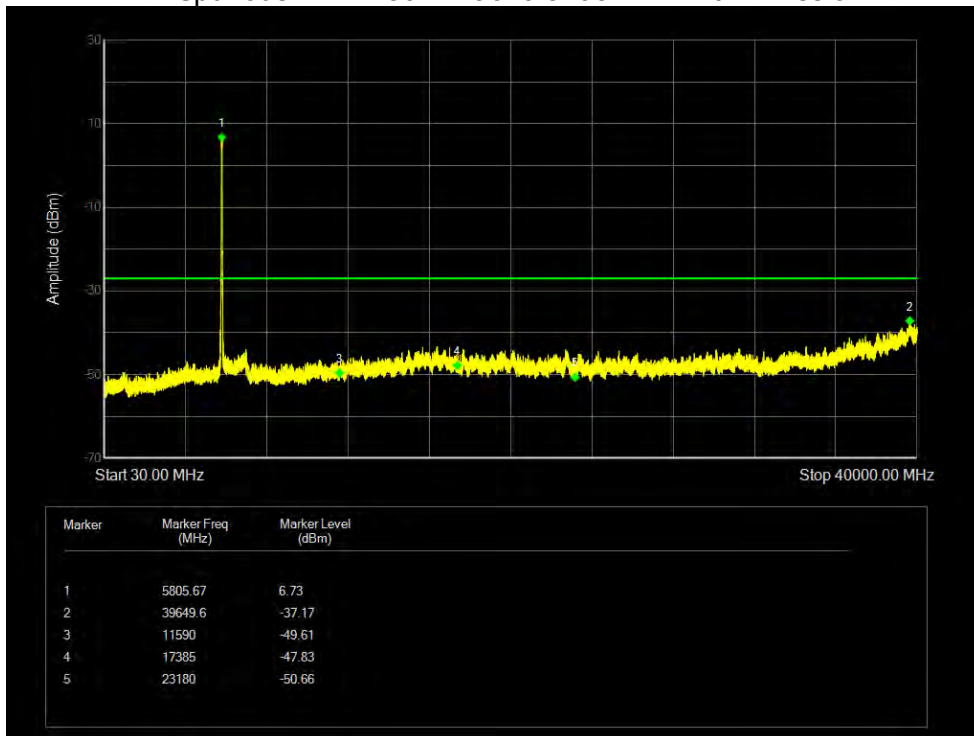
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



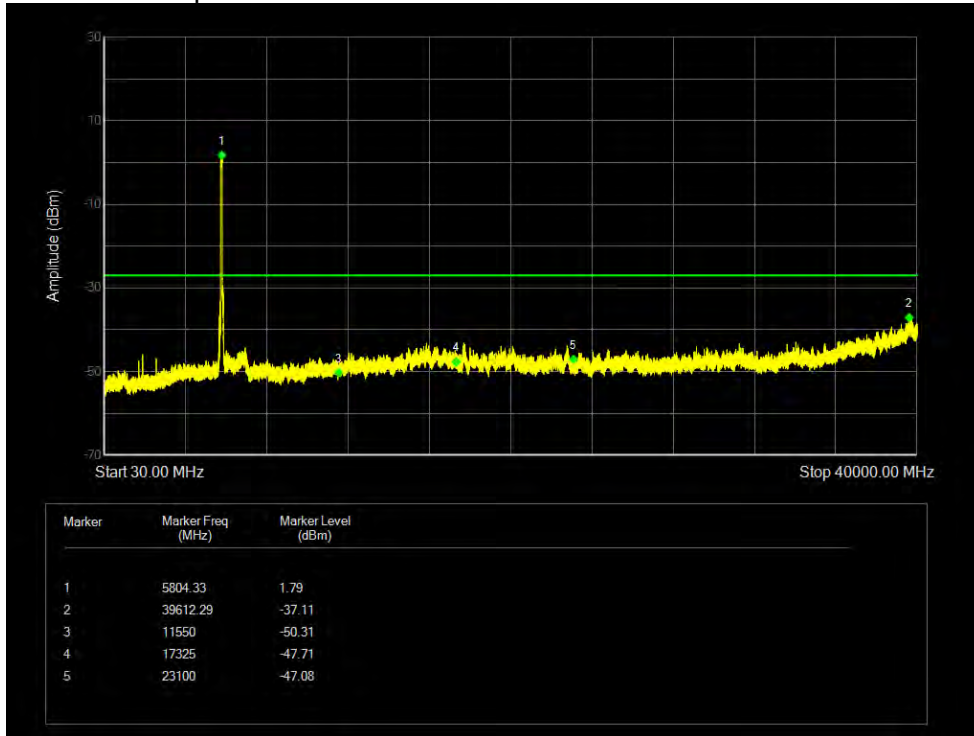
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



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





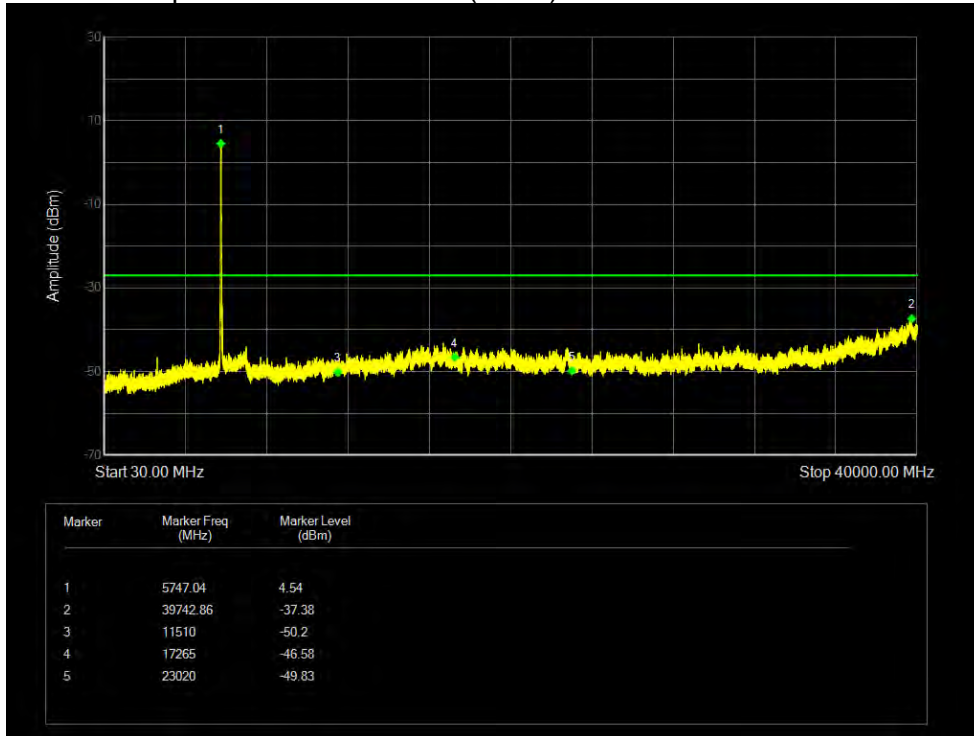
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission



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



END OF REPORT