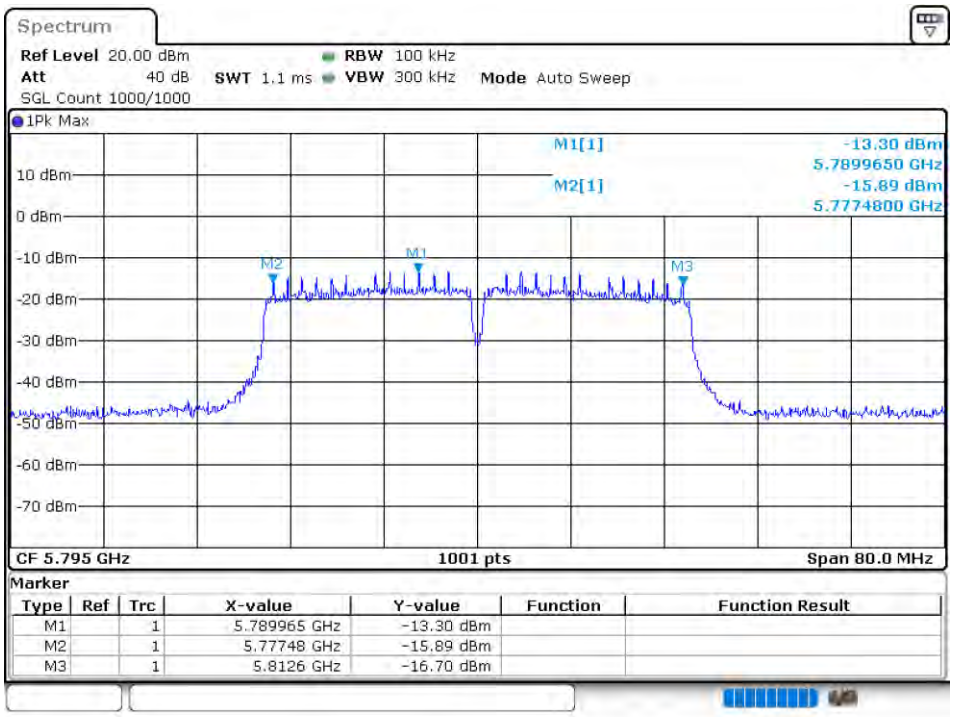
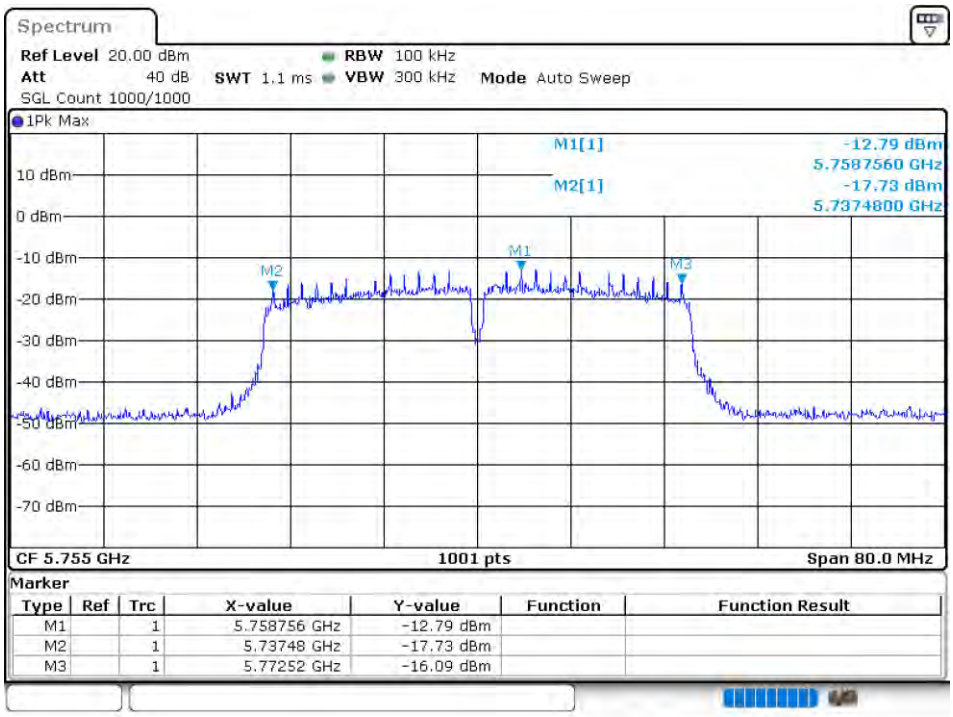
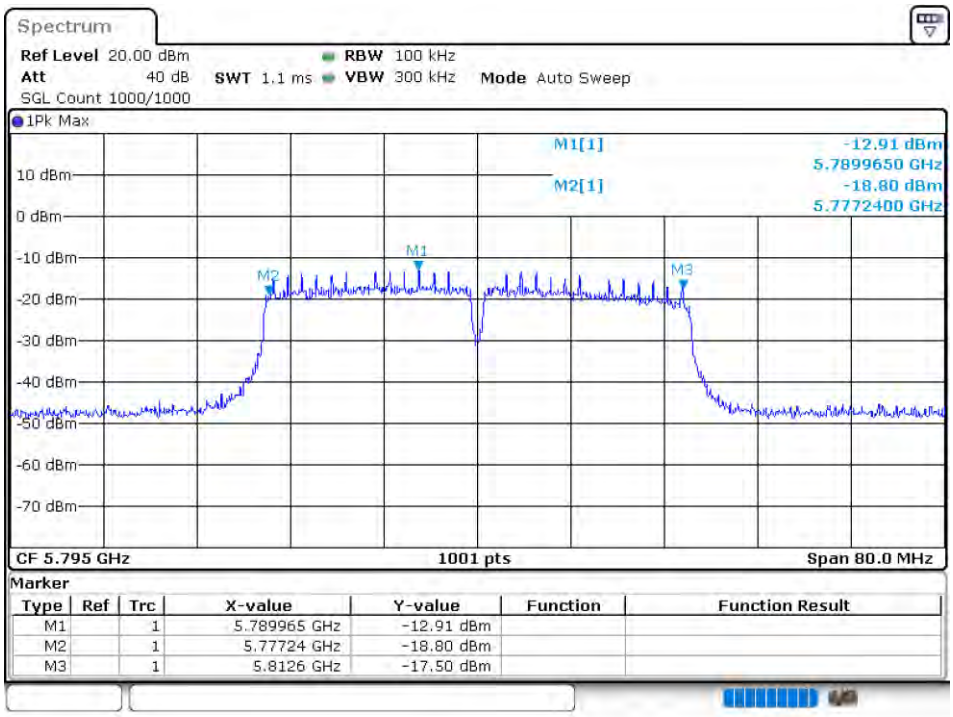


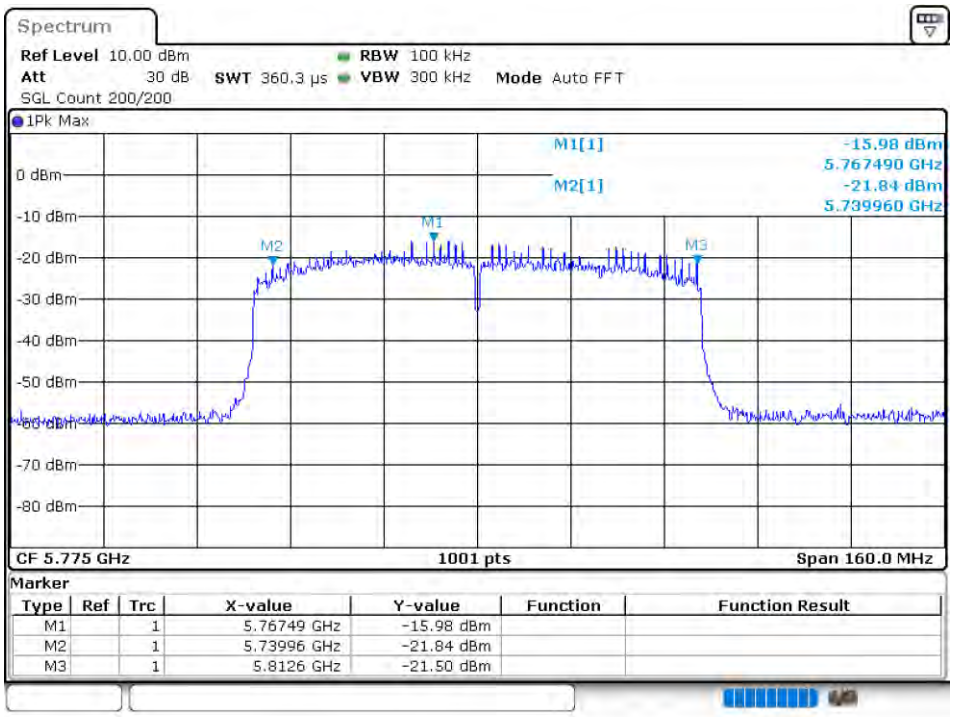
EBW NVNT 802.11ac40 5755MHz Ant 2



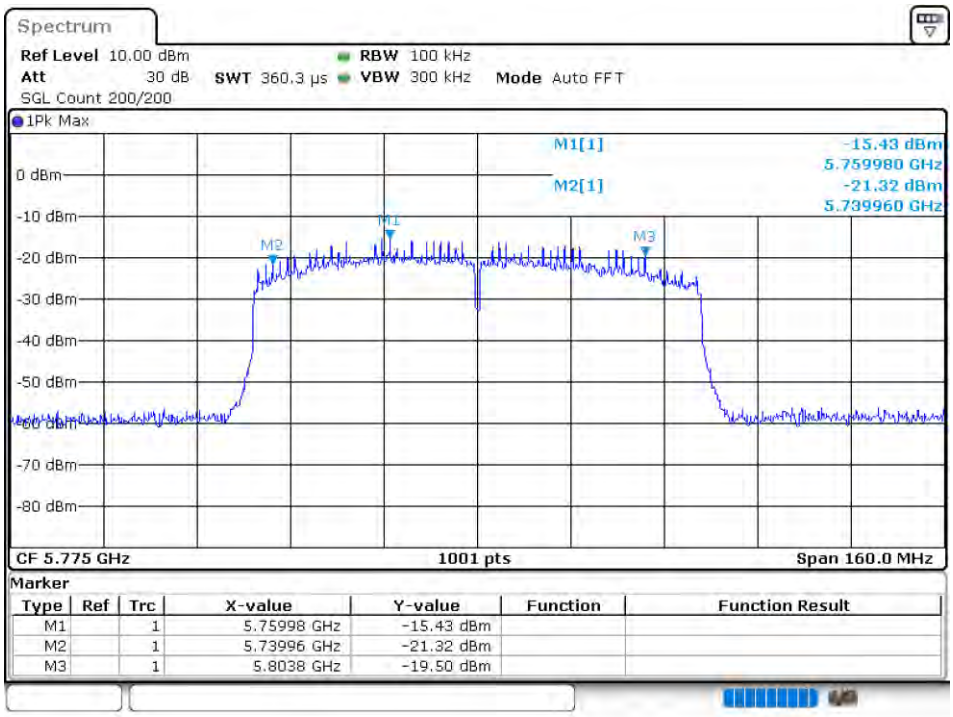
EBW NVNT 802.11ac40 5795MHz Ant 2



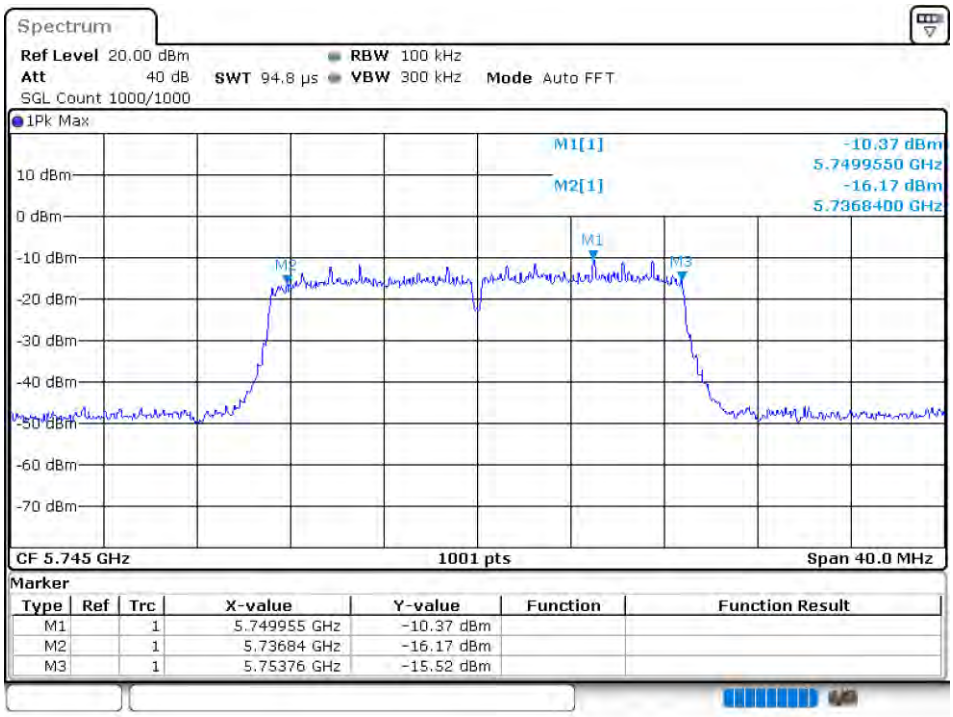
EBW NVNT 802.11ac80 5775MHz Ant 1



EBW NVNT 802.11ac80 5775MHz Ant 2



EBW NVNT 802.11n(HT20) 5745MHz Ant 1



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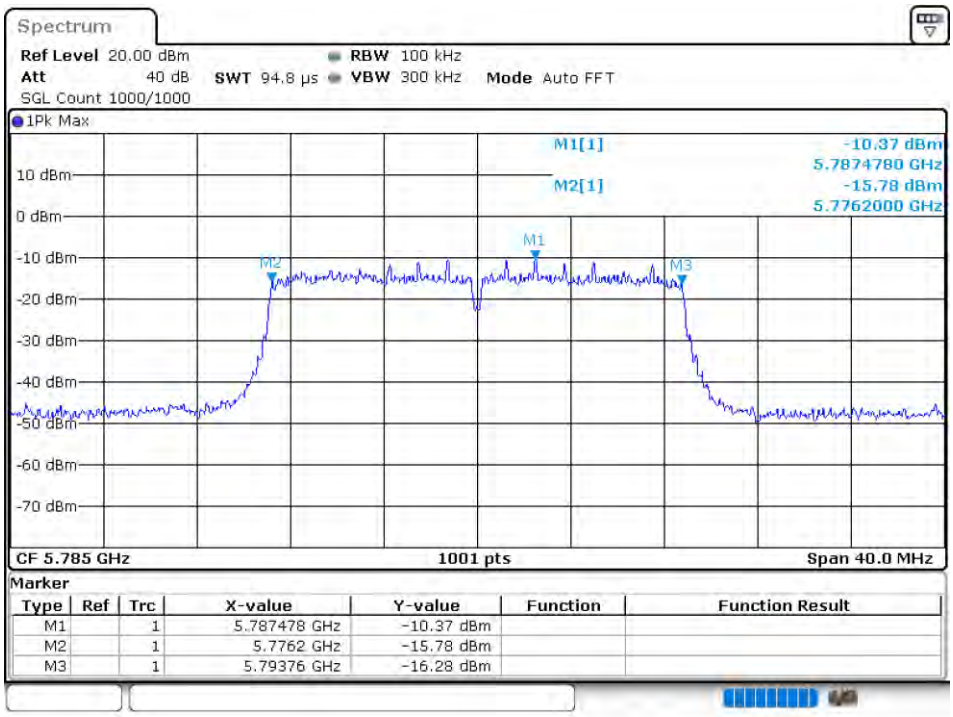

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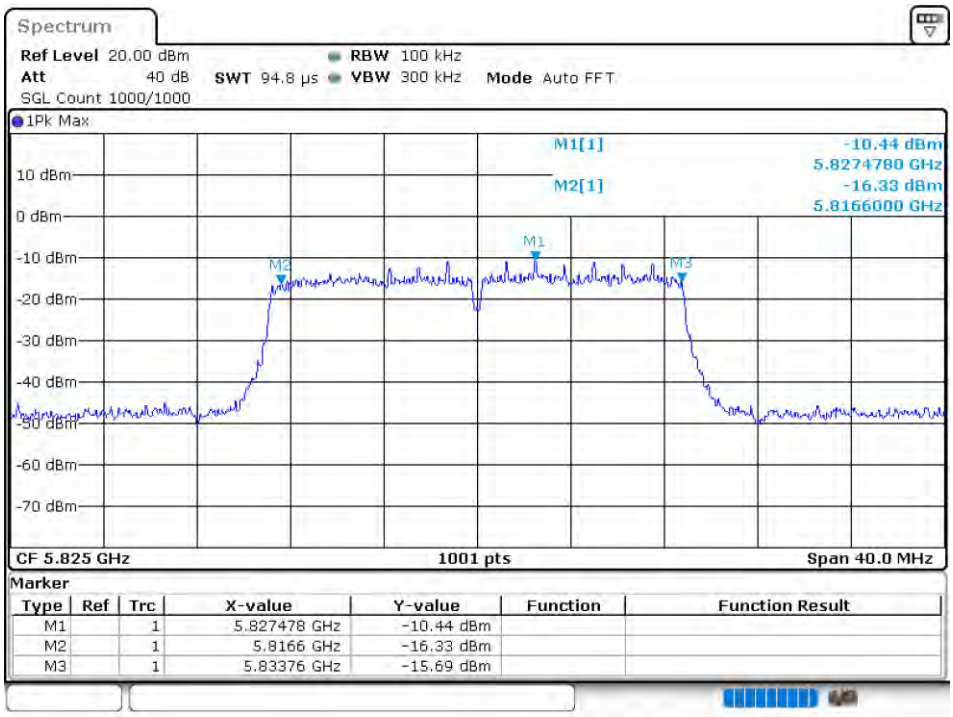
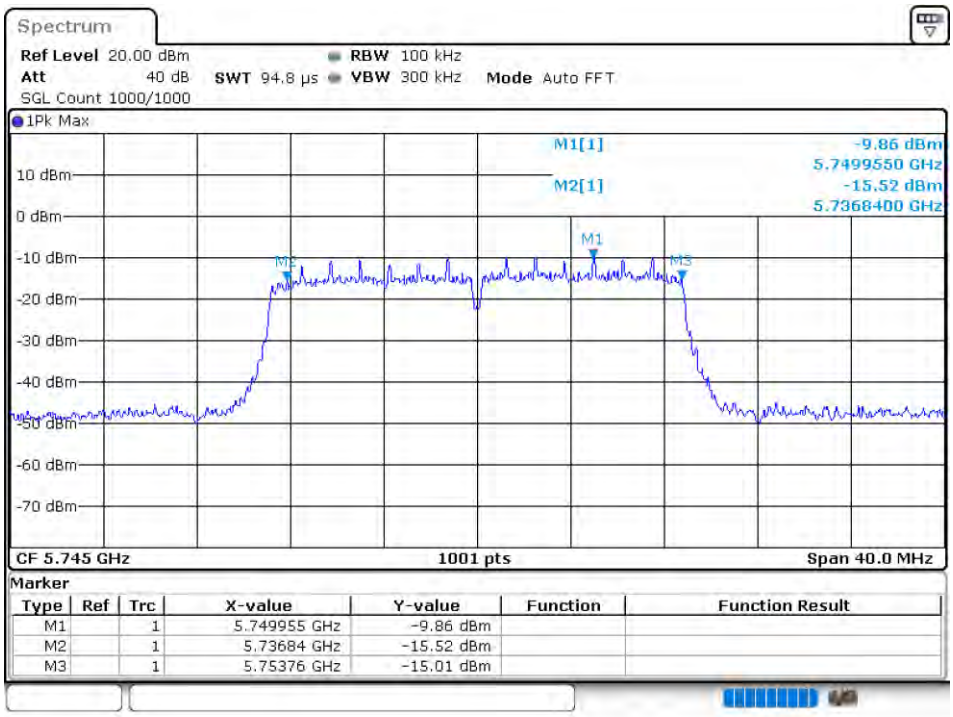


EBW NVNT 802.11n(HT20) 5745MHz Ant 2



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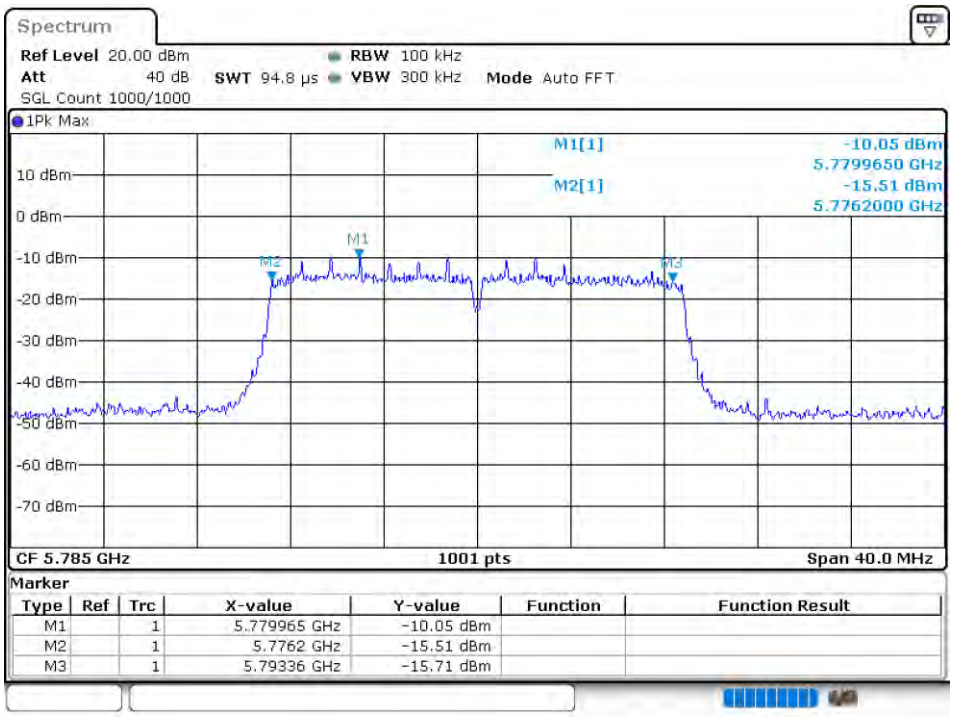

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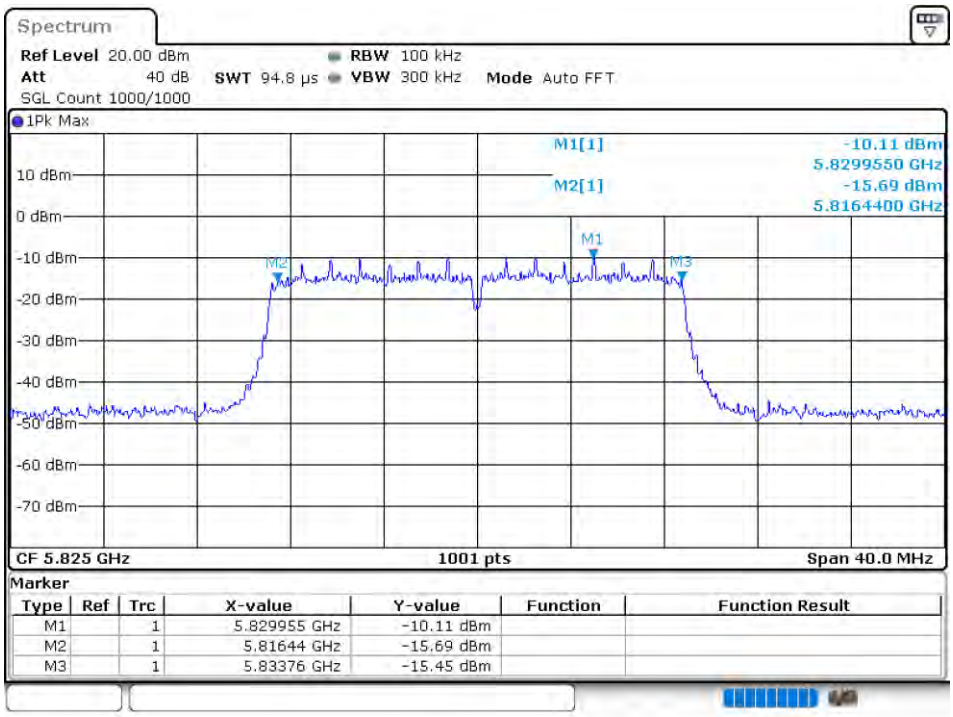

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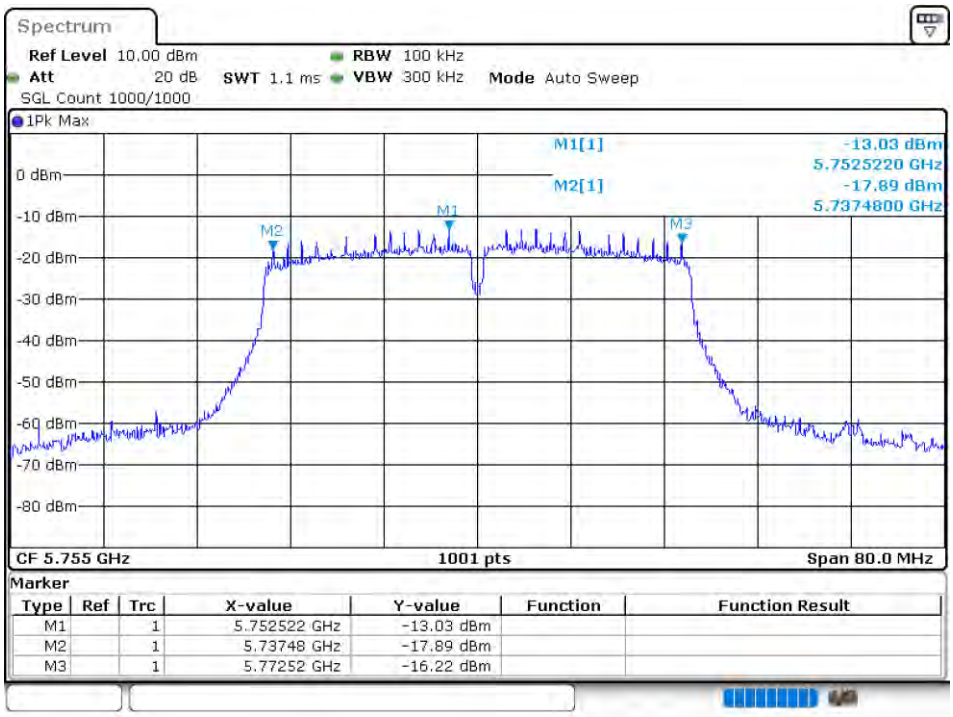

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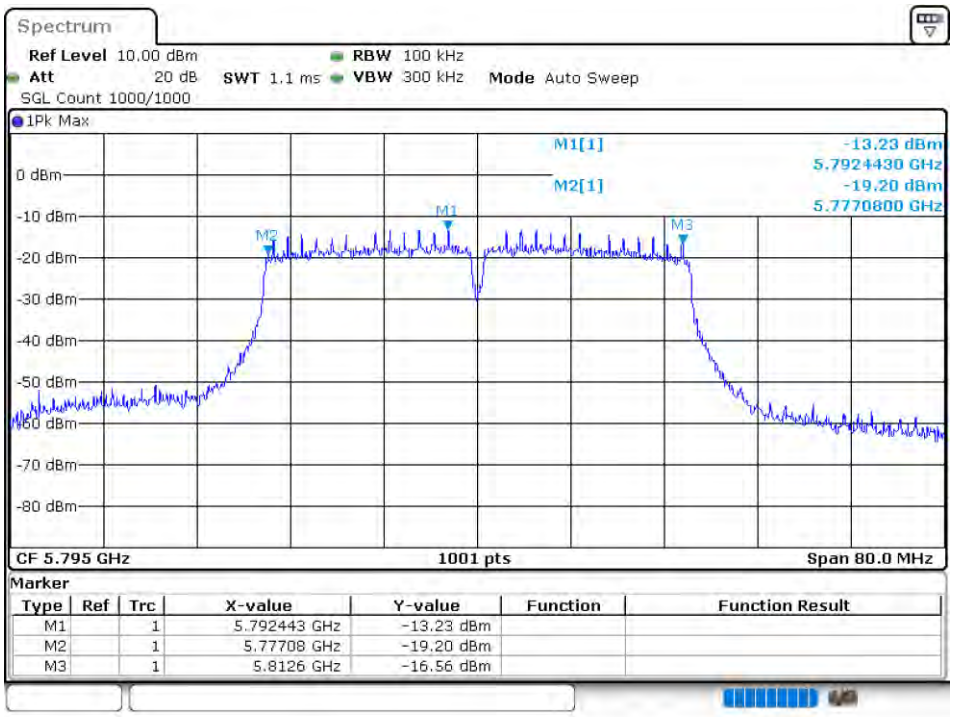
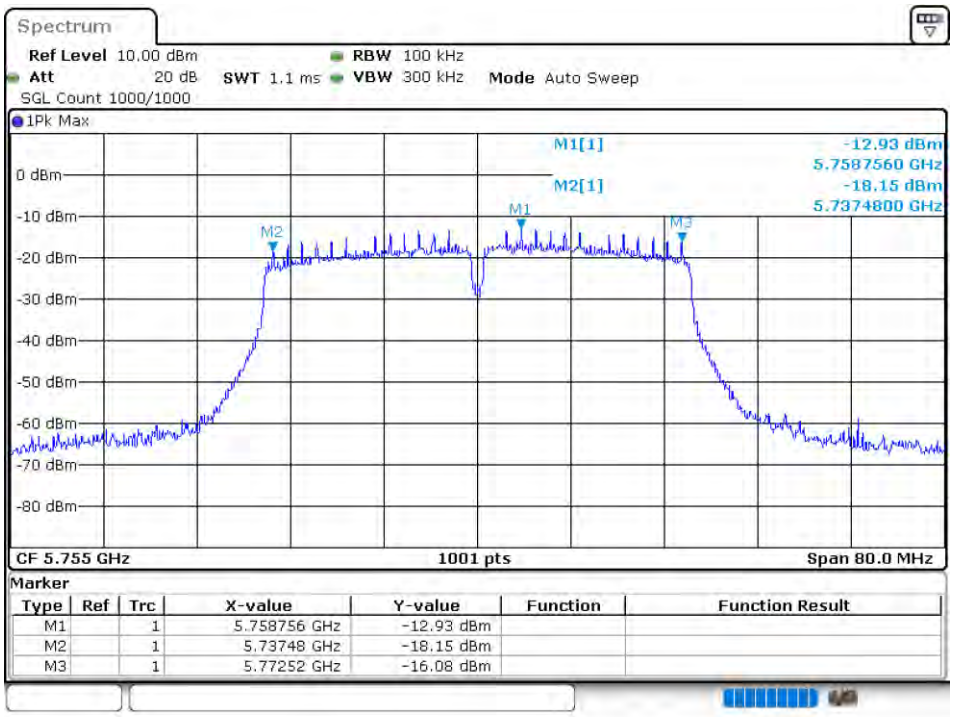


EBW NVNT 802.11n(HT40) 5755MHz Ant 2



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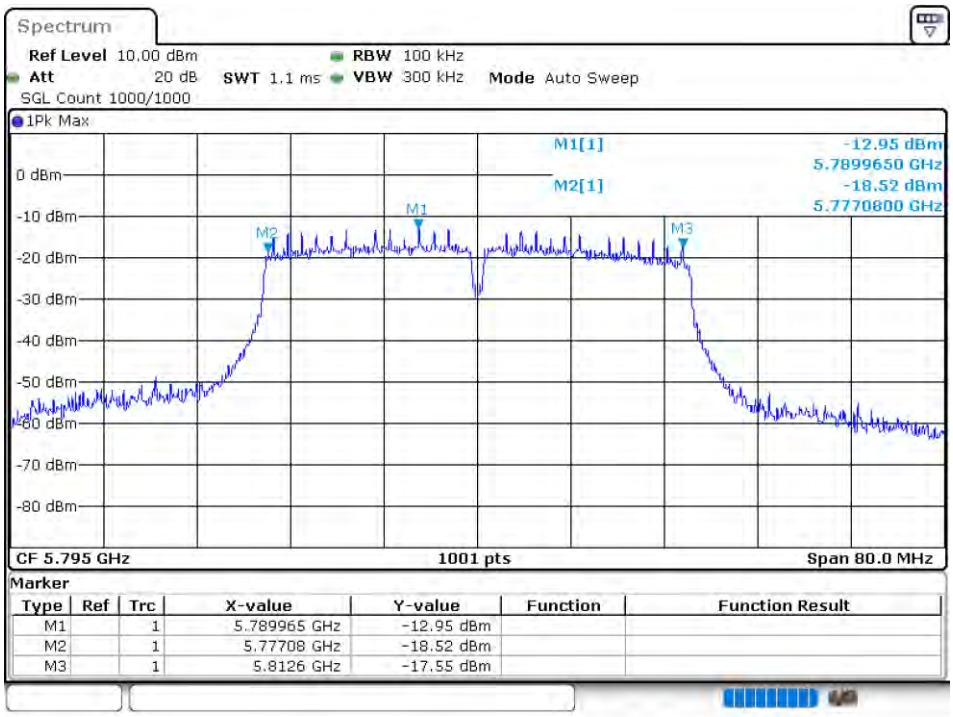
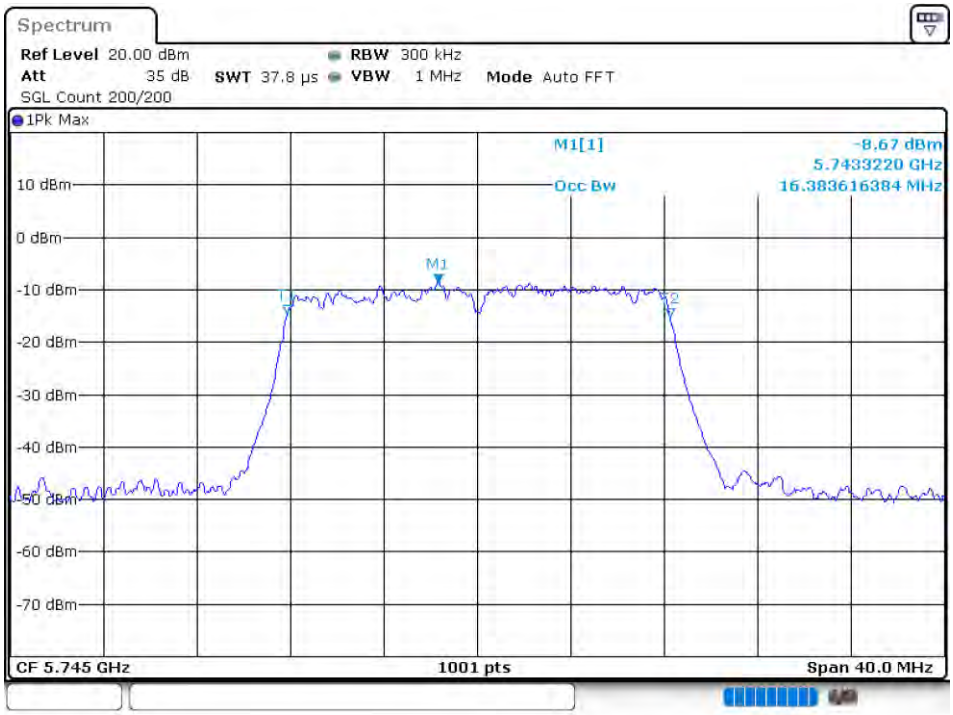


Occupied Channel Bandwidth

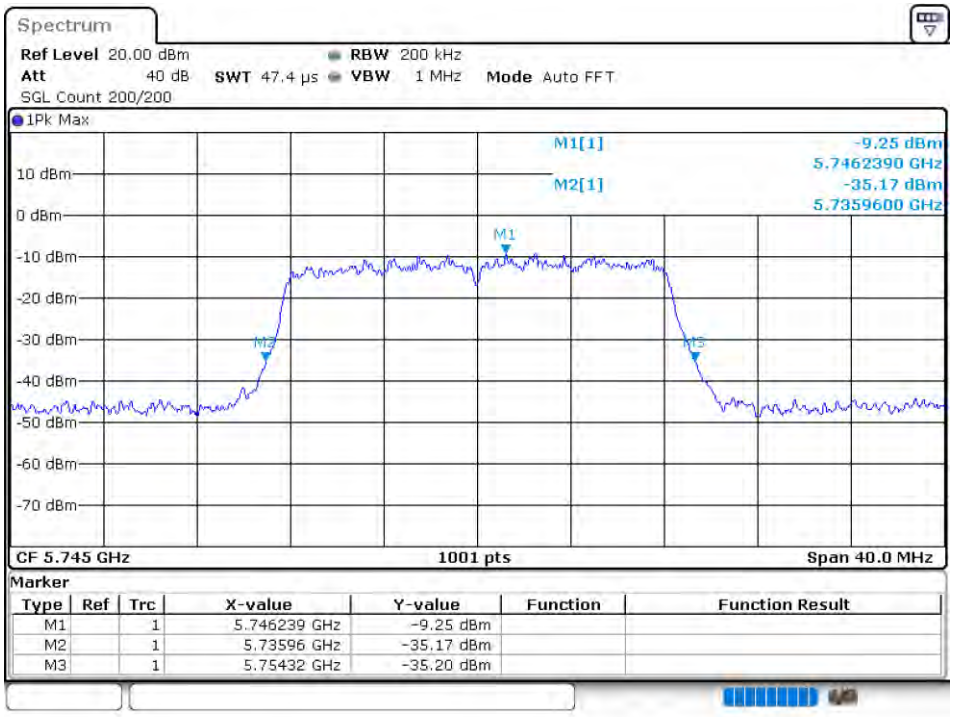
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.3836	18.36	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.4635	18.4	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.3836	18.32	0.5	Pass
NVNT	802.11a	5745	Ant 2	16.3836	18.32	0.5	Pass
NVNT	802.11a	5785	Ant 2	16.4236	18.6	0.5	Pass
NVNT	802.11a	5825	Ant 2	16.4236	18.44	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	17.5425	19.28	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.5824	19.4	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.5824	19.6	0.5	Pass
NVNT	802.11ac20	5745	Ant 2	17.5824	19.44	0.5	Pass
NVNT	802.11ac20	5785	Ant 2	17.6224	19.4	0.5	Pass
NVNT	802.11ac20	5825	Ant 2	17.5425	19.72	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	35.964	41.12	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.2837	41.44	0.5	Pass
NVNT	802.11ac40	5755	Ant 2	35.964	41.12	0.5	Pass
NVNT	802.11ac40	5795	Ant 2	36.2038	41.44	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	74.3257	80.64	0.5	Pass
NVNT	802.11ac80	5775	Ant 2	73.8462	80.16	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.5425	19.16	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.6224	19.32	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.5824	19	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 2	17.5824	19.16	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 2	17.5824	19.08	0.5	Pass

NVNT	802.11n(HT20)	5825	Ant 2	17.5425	19.64	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	35.964	40.64	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.1239	41.12	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 2	36.1239	40.8	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 2	36.1239	41.04	0.5	Pass

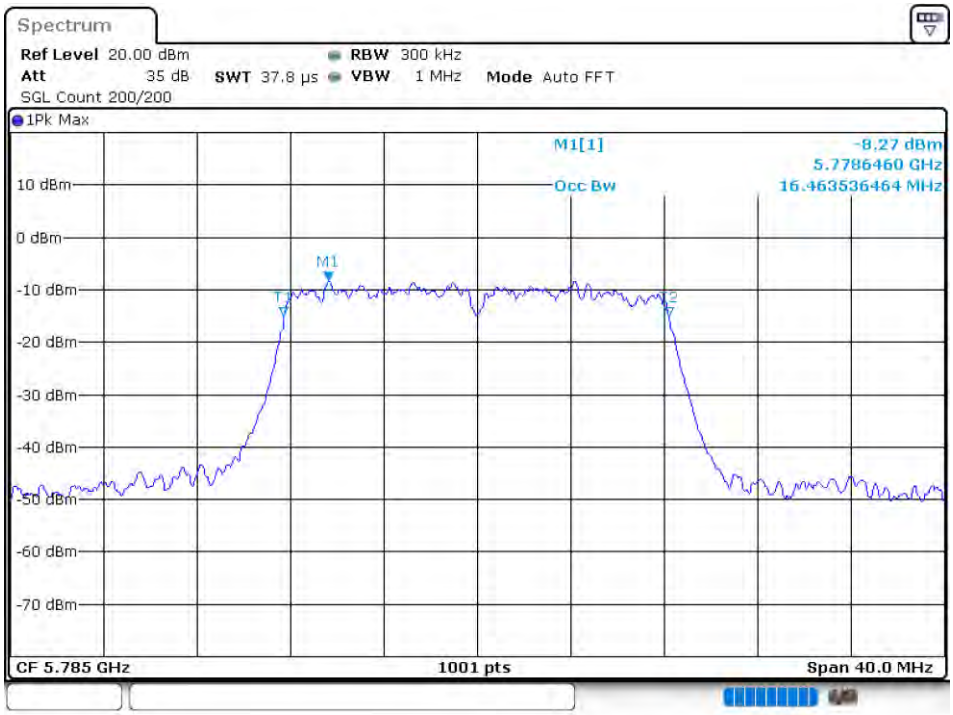
OBW NVNT 802.11a 5745MHz Ant 1



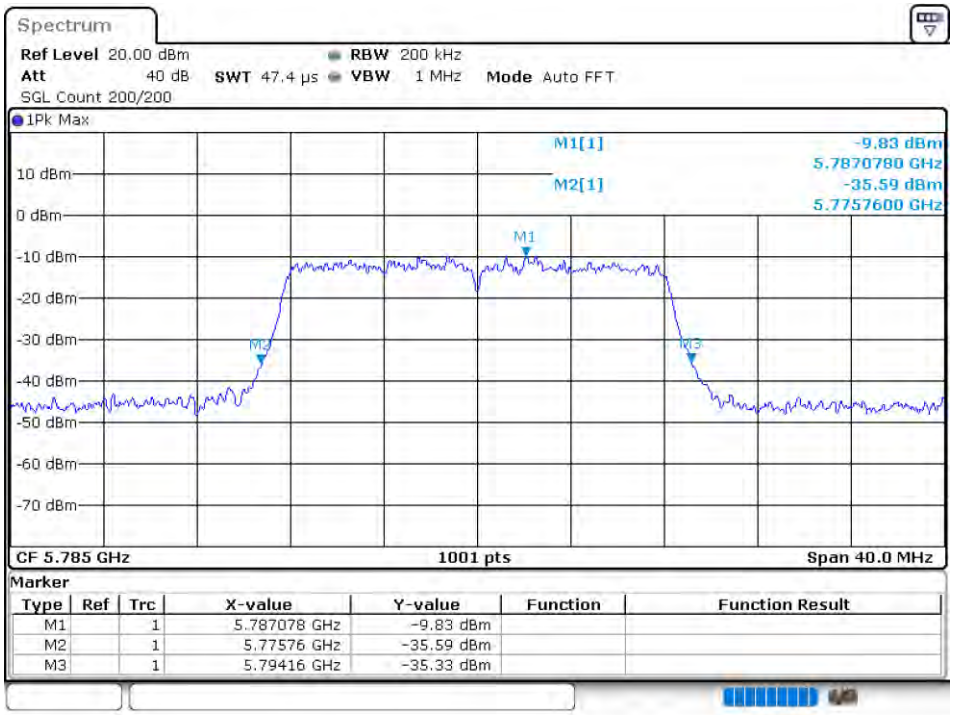
-26 dB BW NVNT 802.11a 5745MHz Ant 1



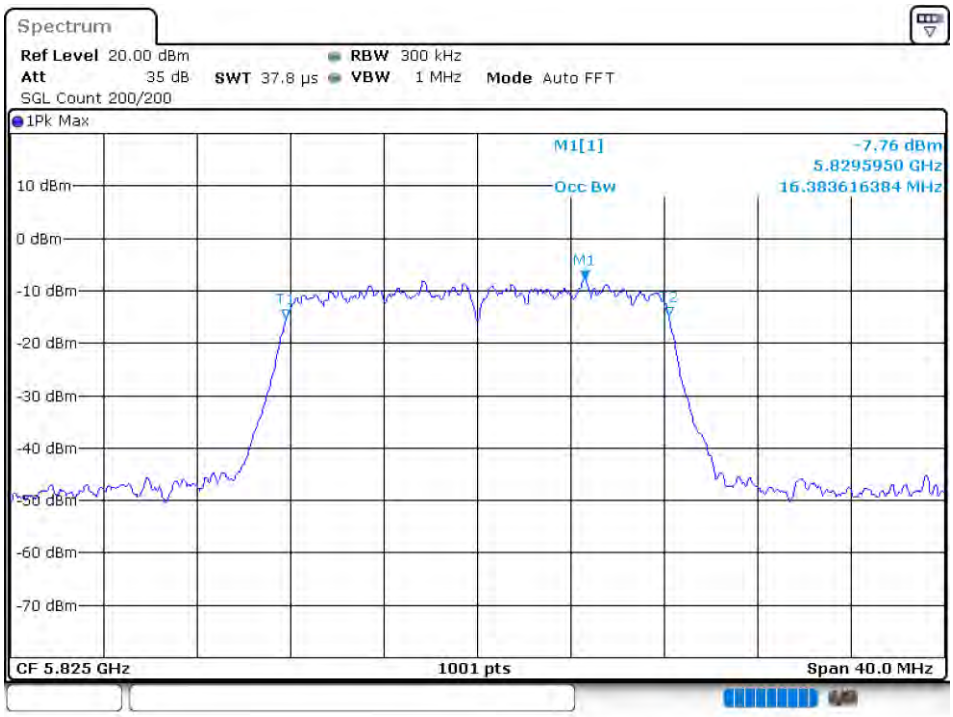
OBW NVNT 802.11a 5785MHz Ant 1



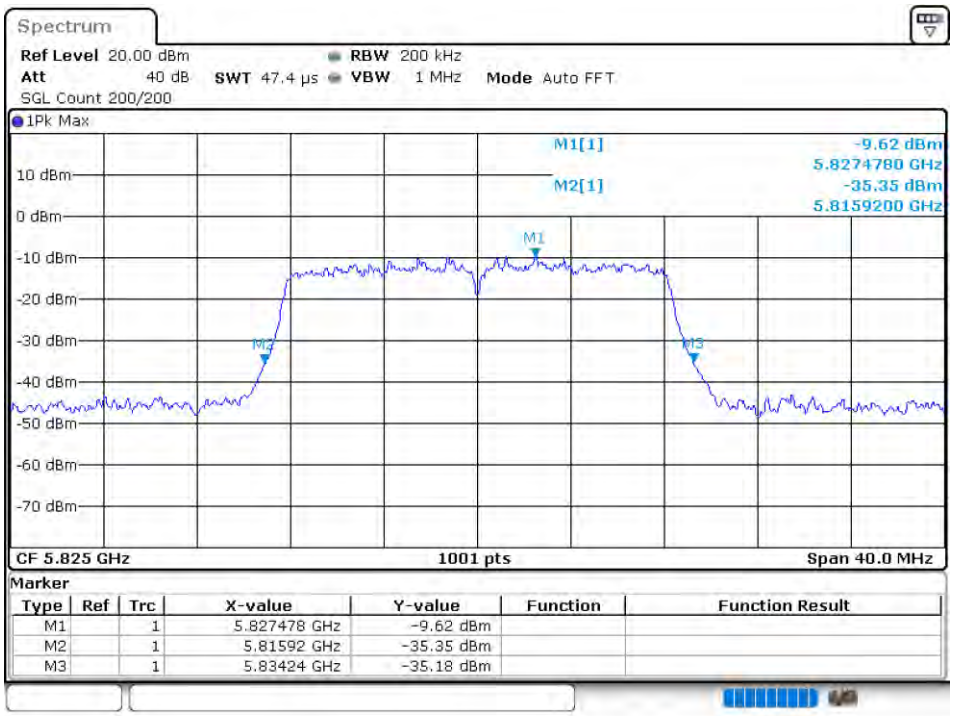
-26 dB BW NVNT 802.11a 5785MHz Ant 1



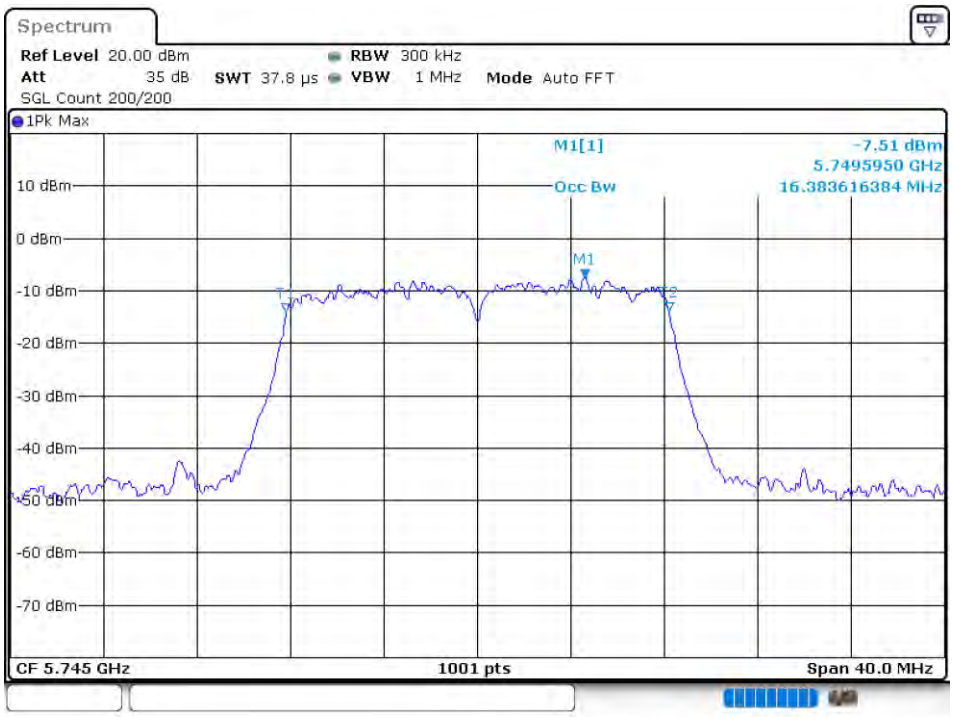
OBW NVNT 802.11a 5825MHz Ant 1



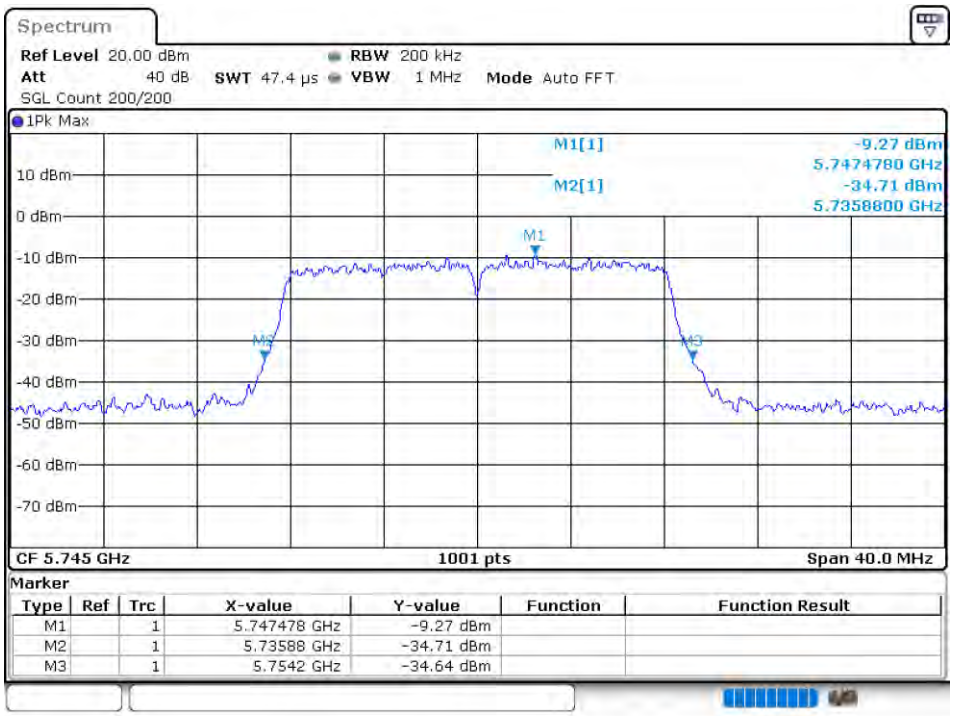
-26 dB BW NVNT 802.11a 5825MHz Ant 1



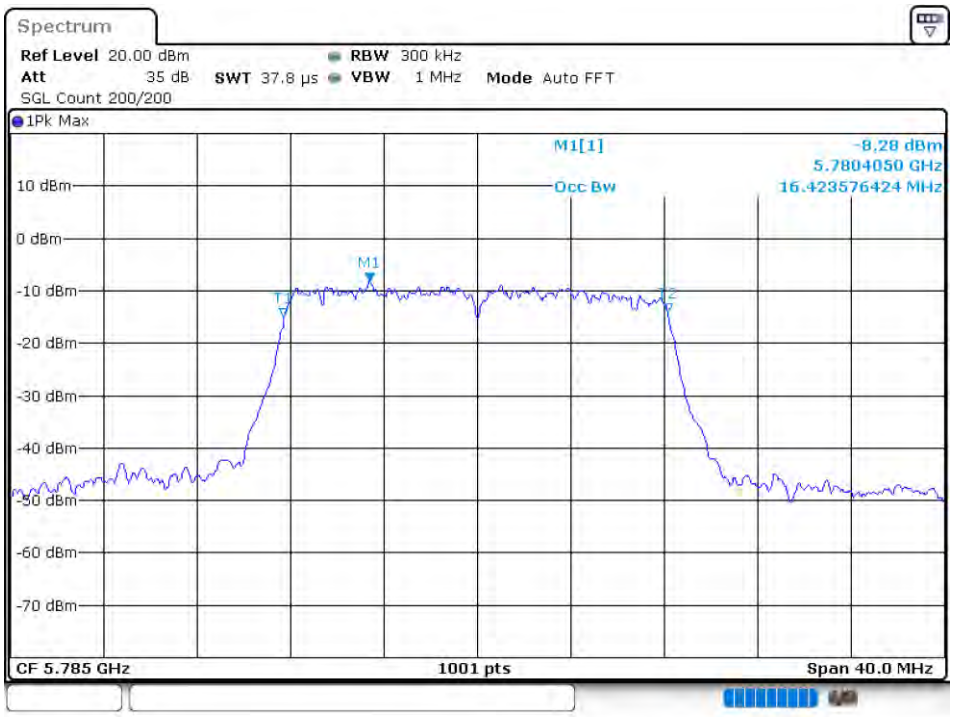
OBW NVNT 802.11a 5745MHz Ant 2



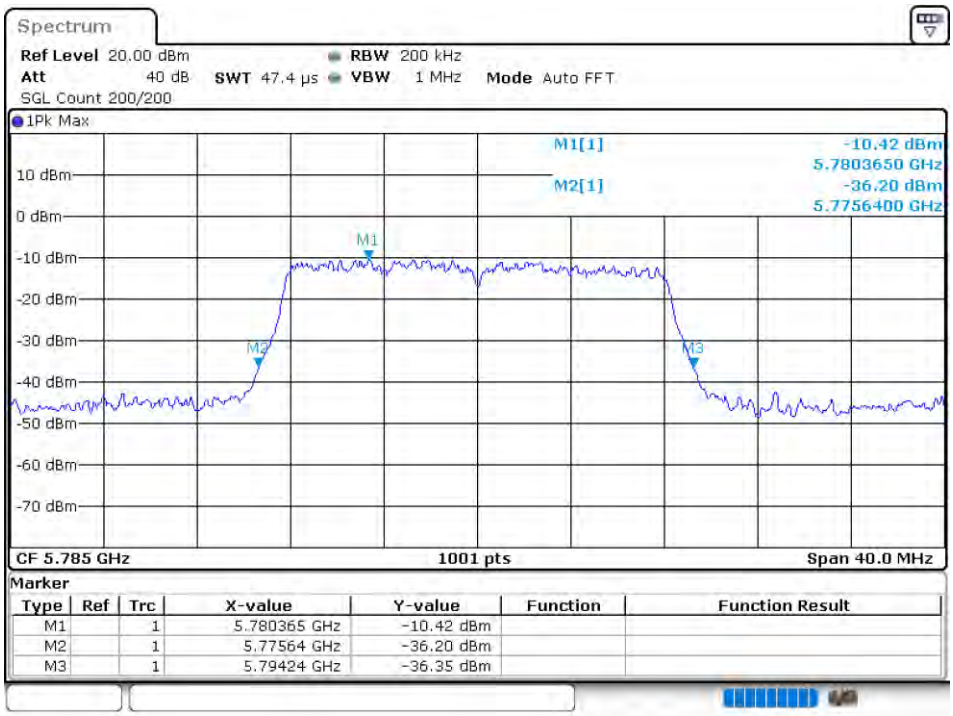
-26 dB BW NVNT 802.11a 5745MHz Ant 2



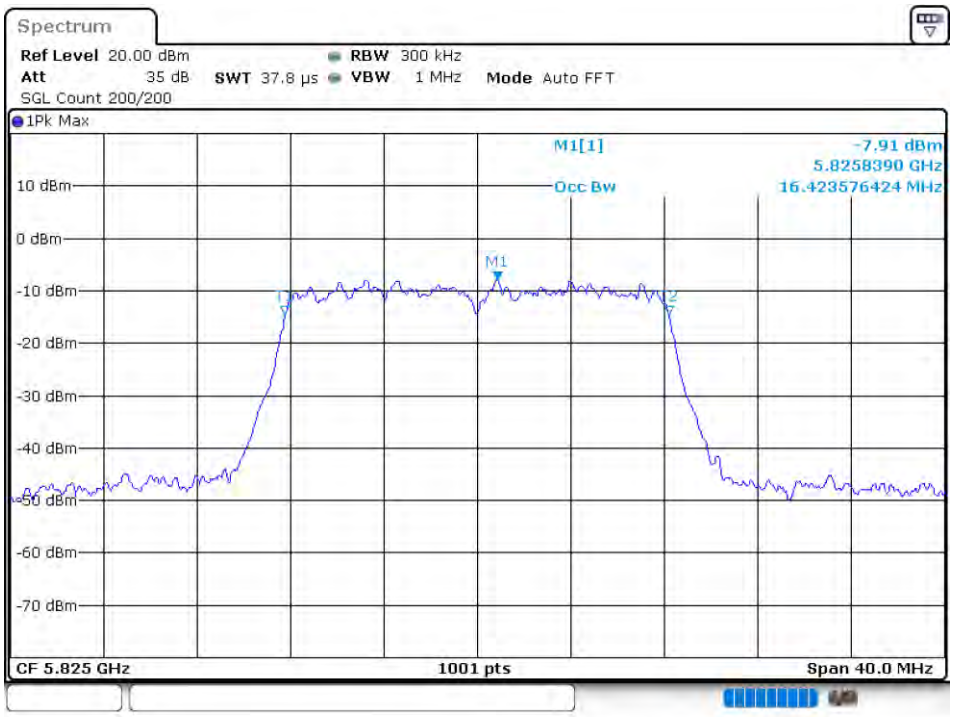
OBW NVNT 802.11a 5785MHz Ant 2



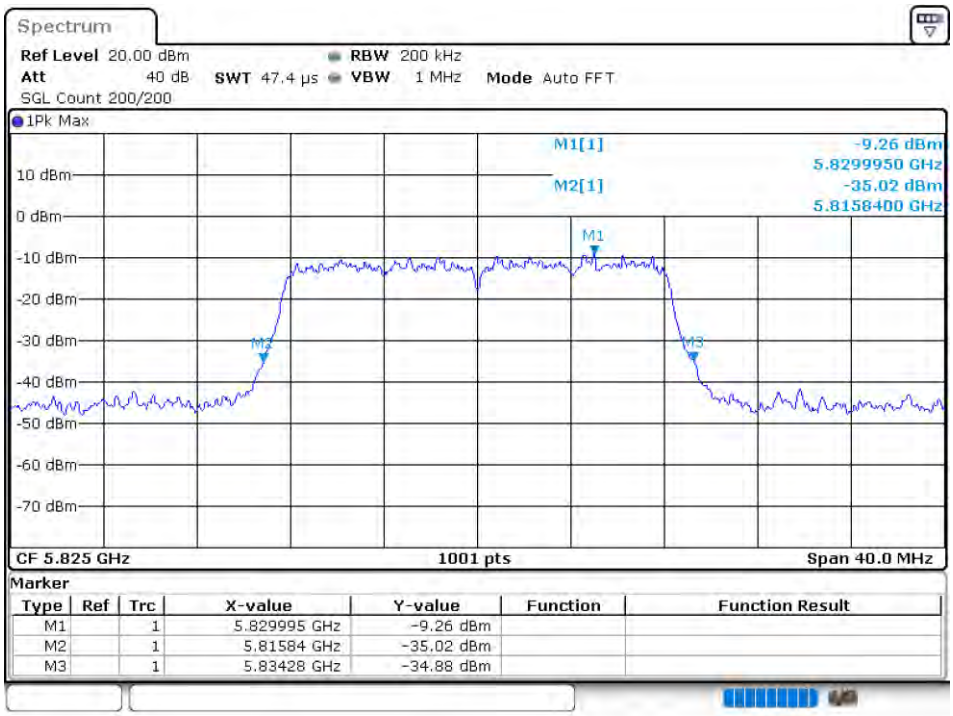
-26 dB BW NVNT 802.11a 5785MHz Ant 2



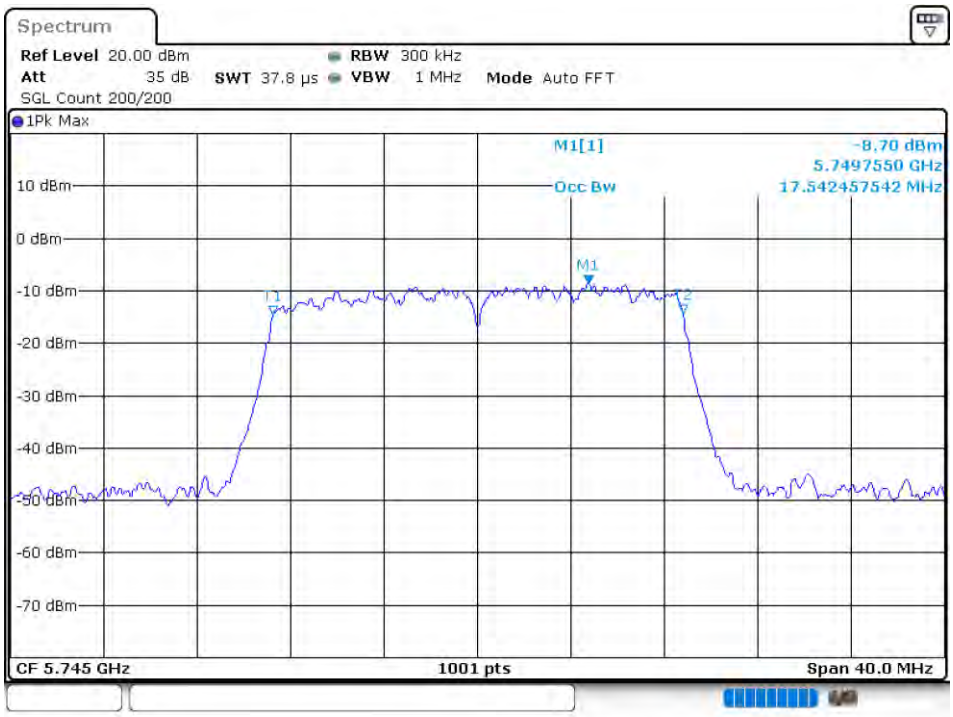
OBW NVNT 802.11a 5825MHz Ant 2



-26 dB BW NVNT 802.11a 5825MHz Ant 2



OBW NVNT 802.11ac20 5745MHz Ant 1



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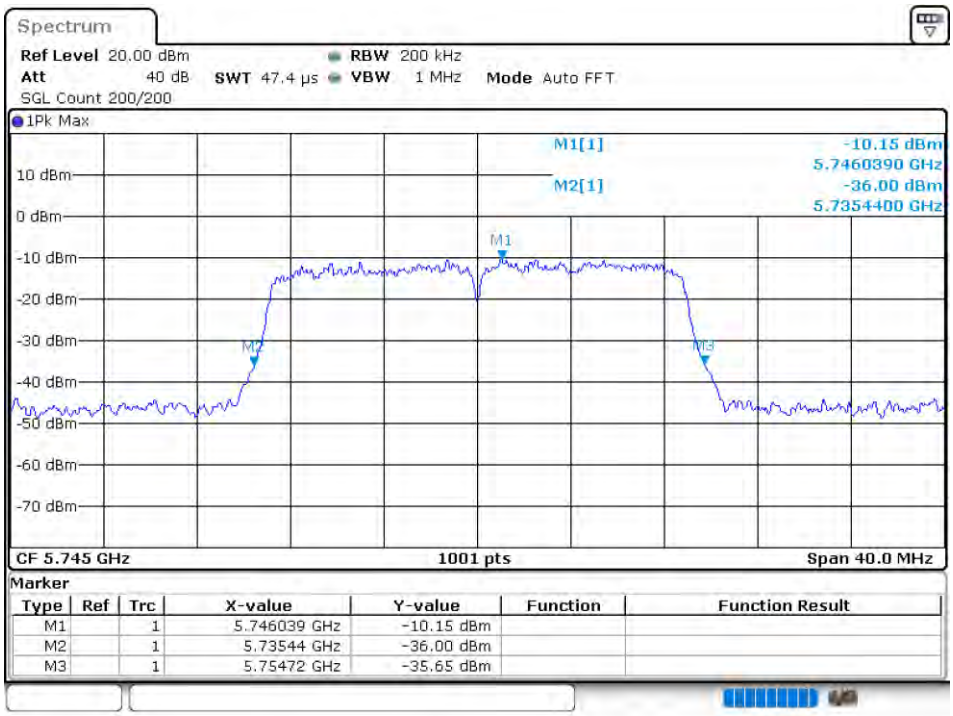
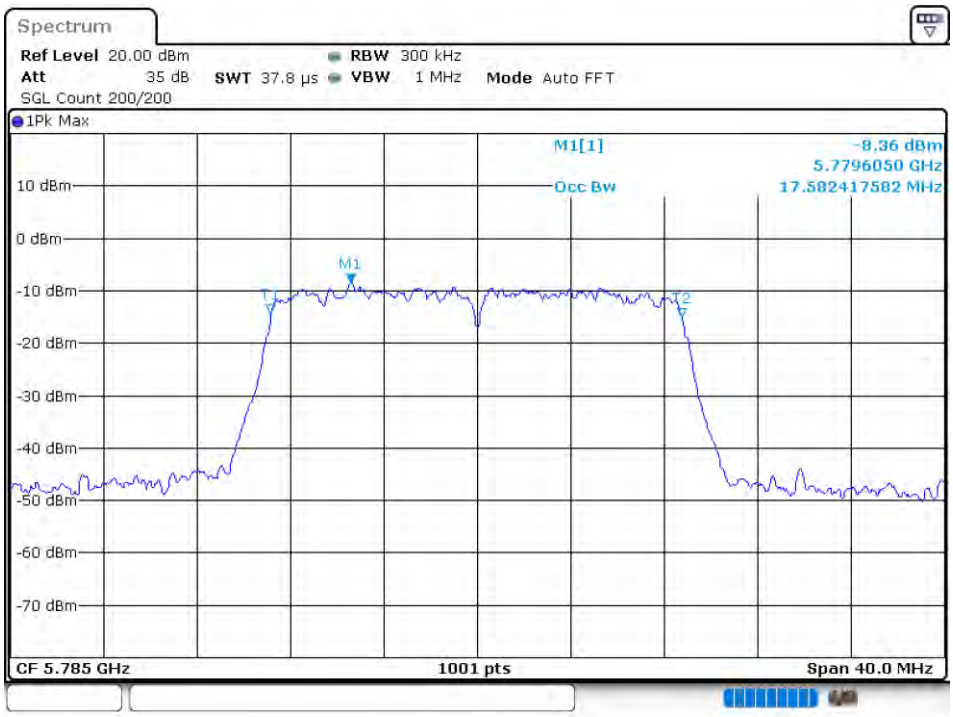


OBW NVNT 802.11ac20 5785MHz Ant 1



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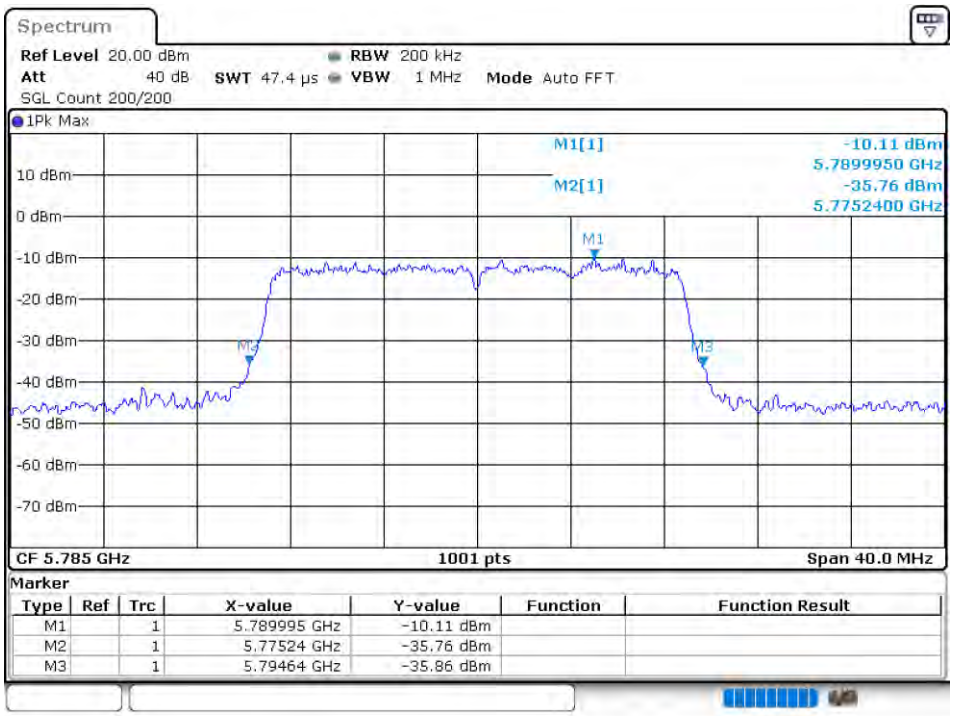
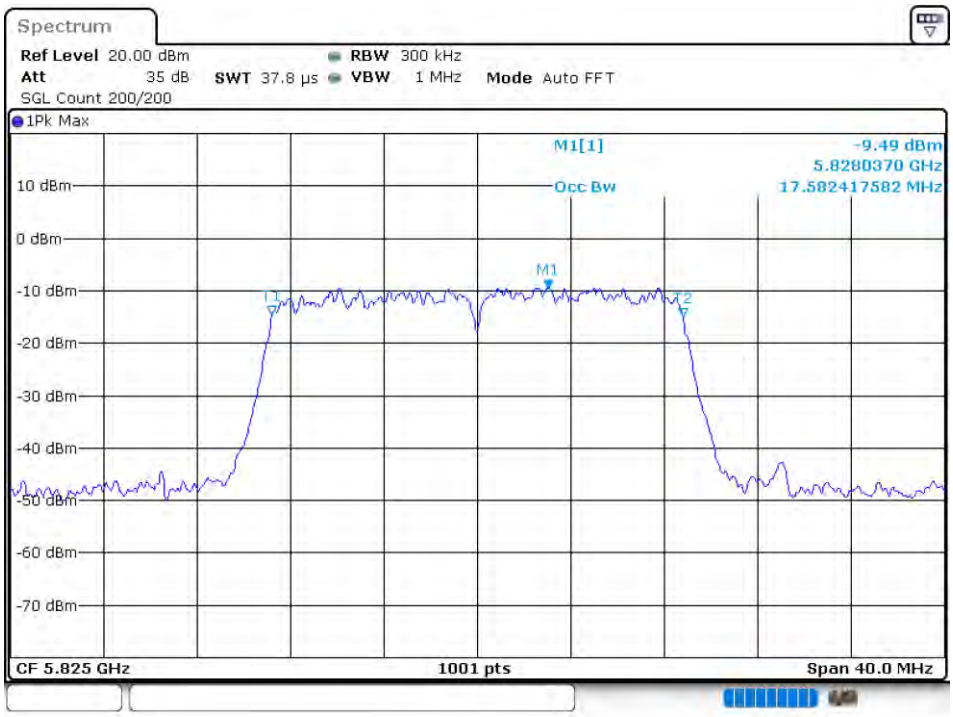


OBW NVNT 802.11ac20 5825MHz Ant 1



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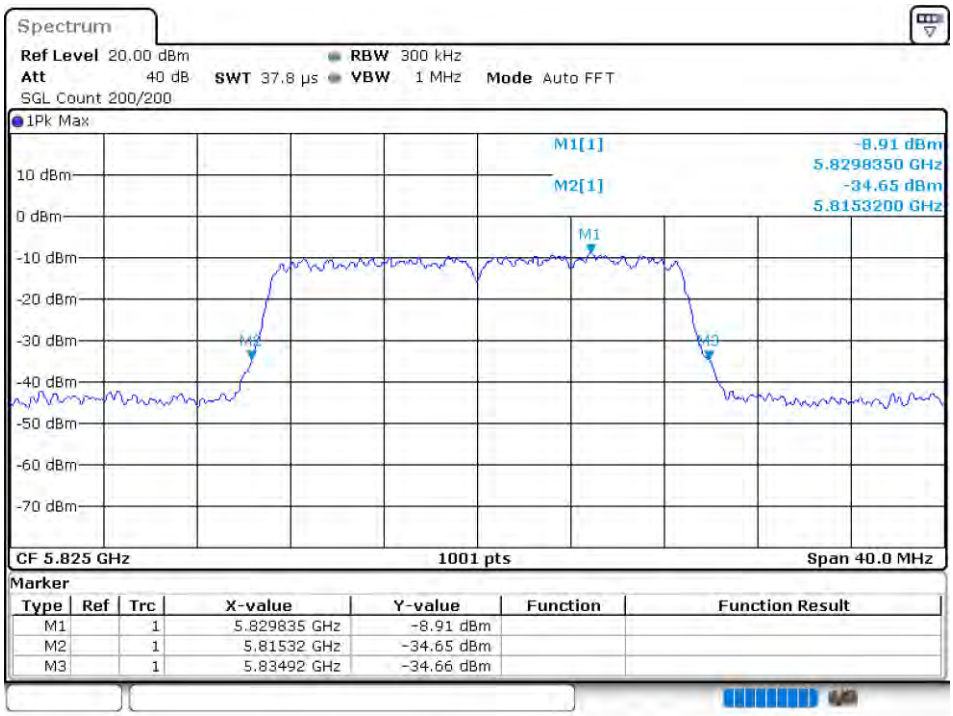
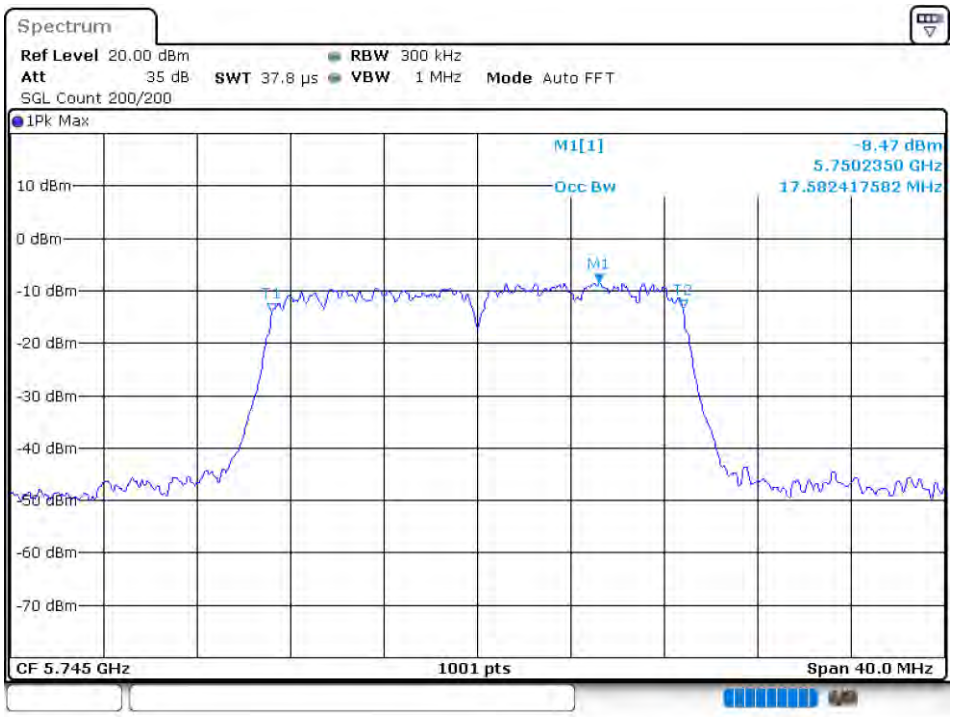


OBW NVNT 802.11ac20 5745MHz Ant 2



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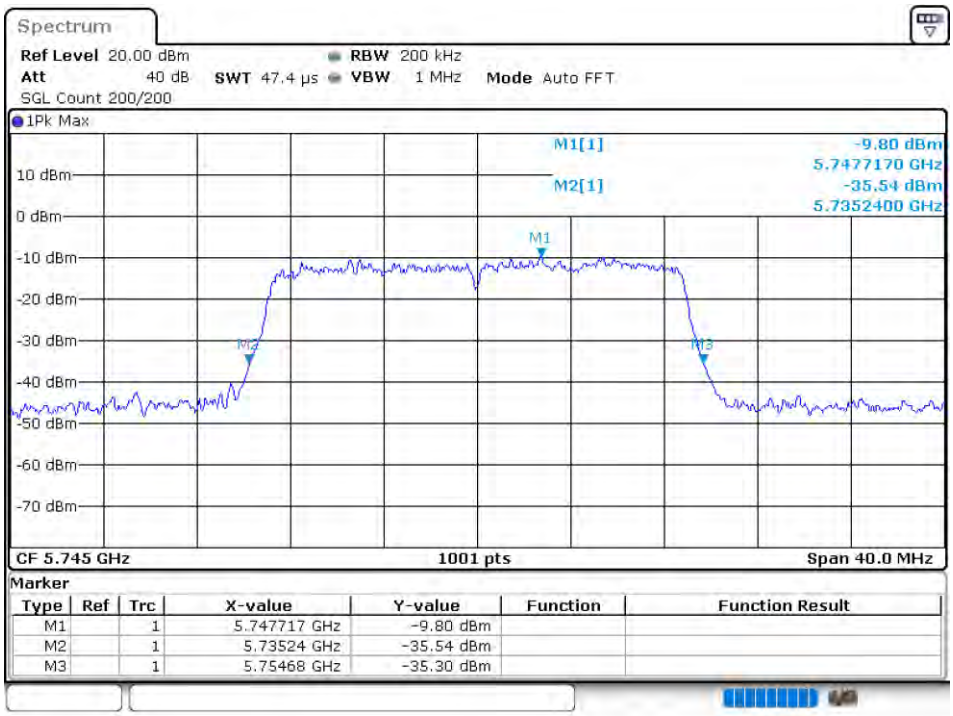
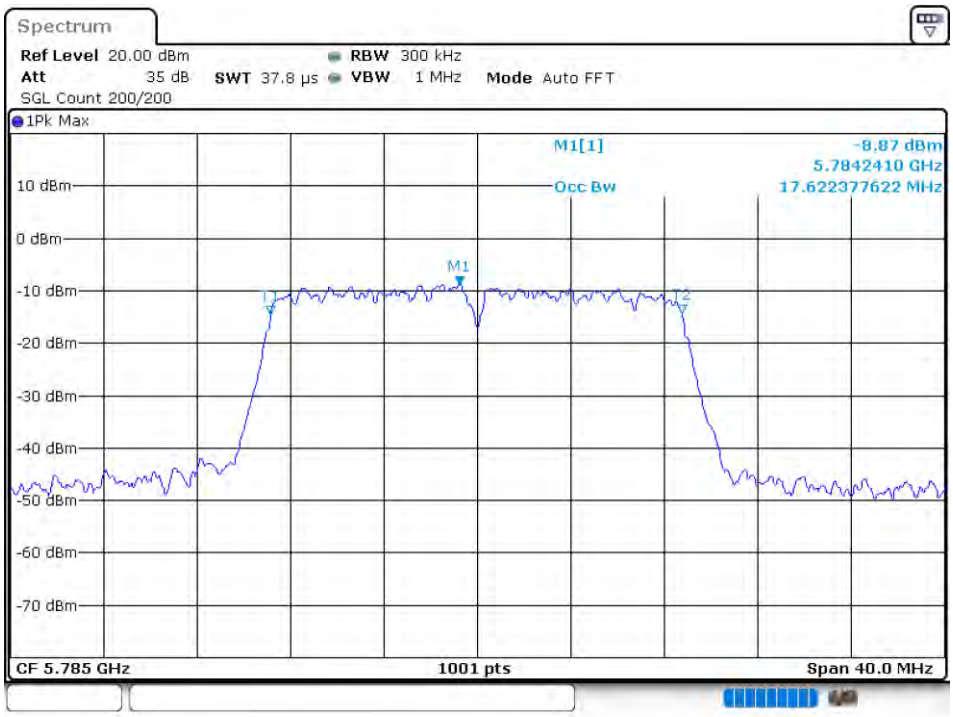


OBW NVNT 802.11ac20 5785MHz Ant 2



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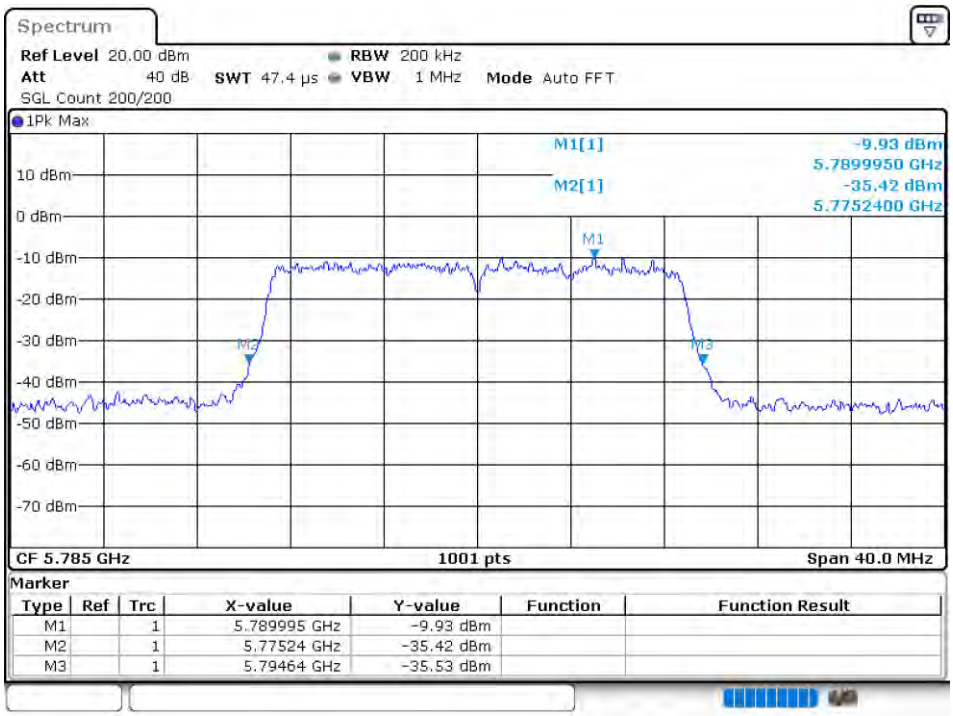
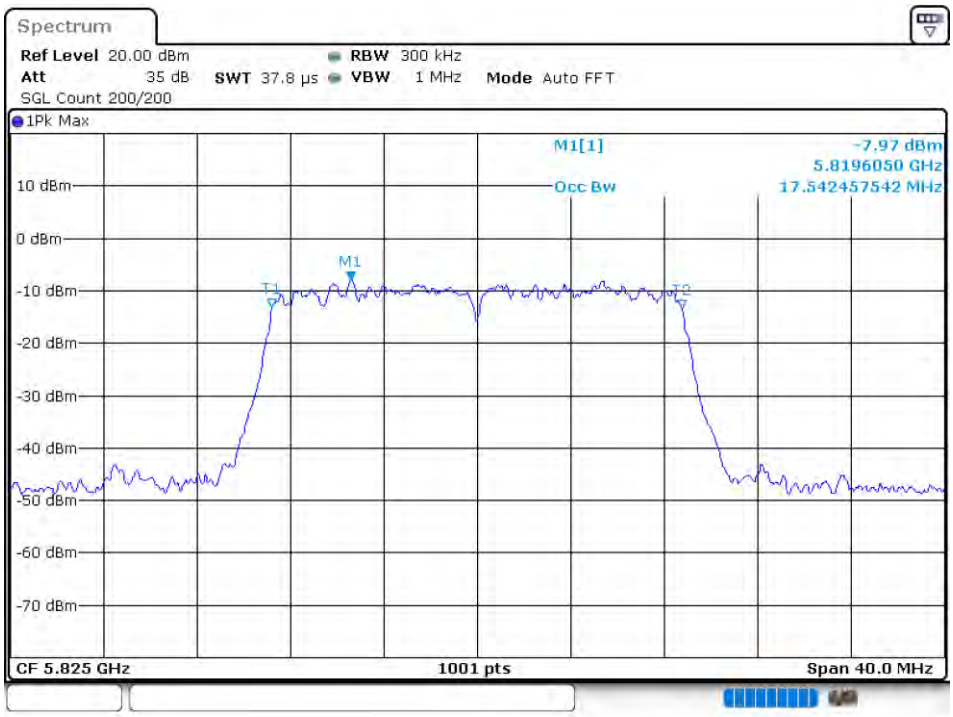


OBW NVNT 802.11ac20 5825MHz Ant 2



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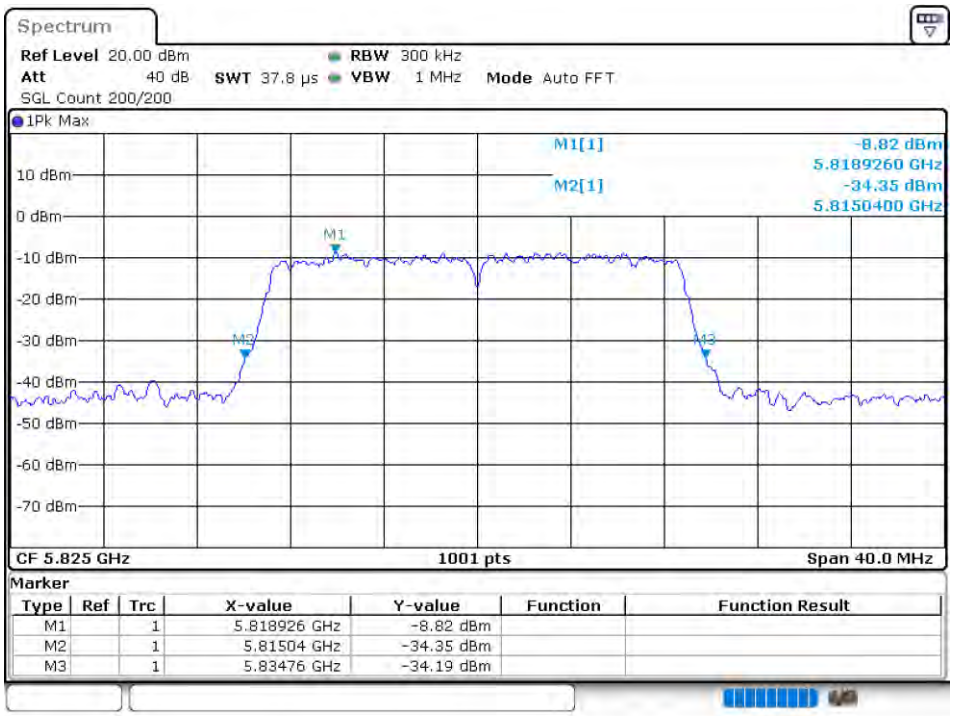
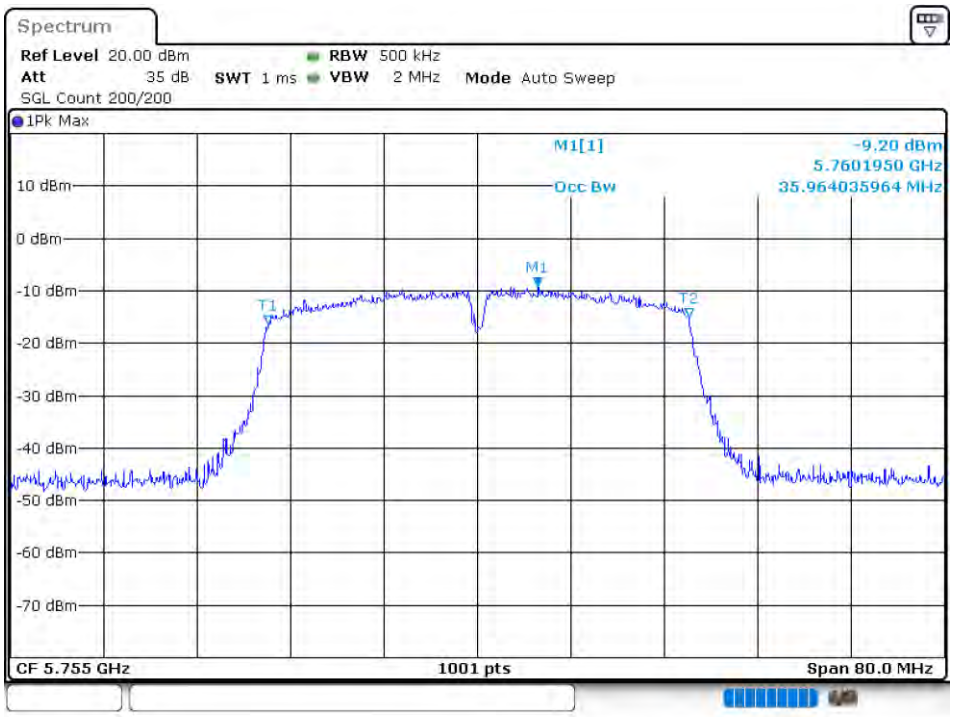
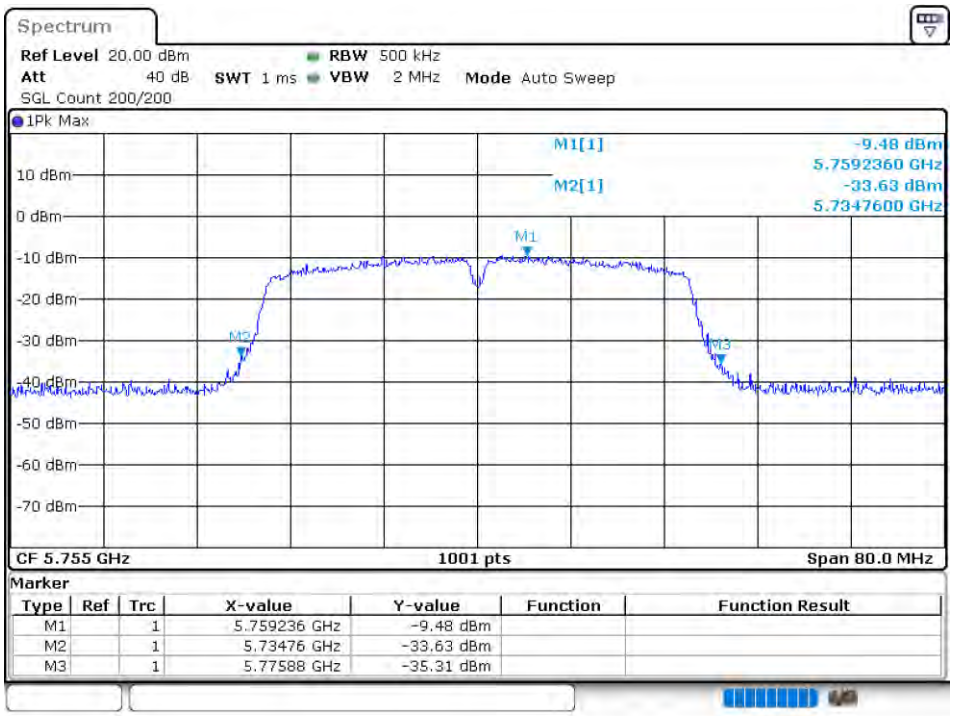


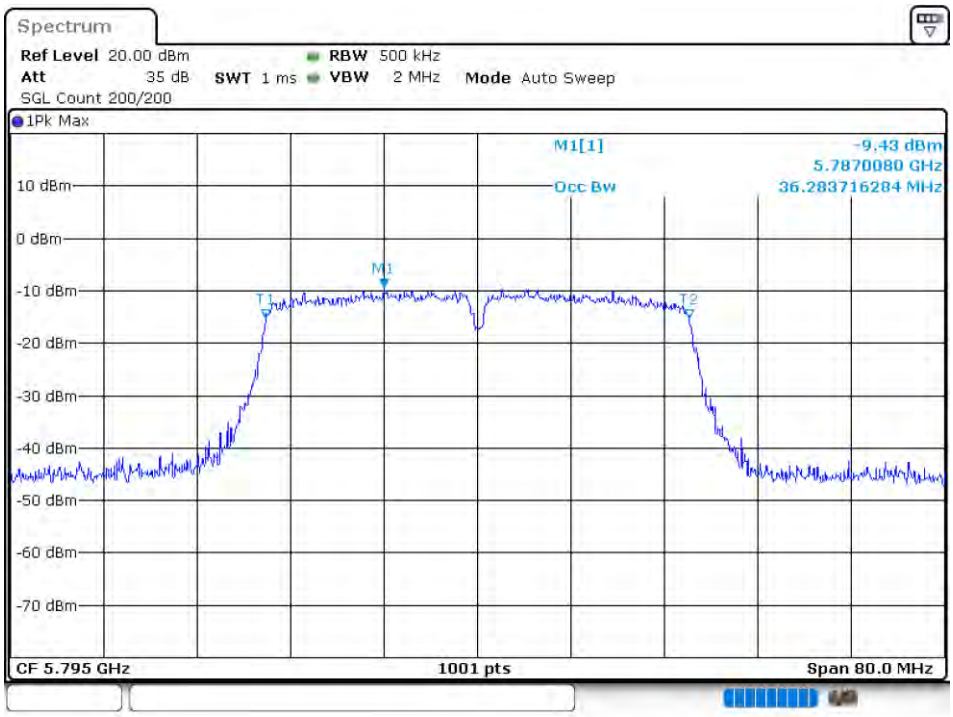
OBW NVNT 802.11ac40 5755MHz Ant 1



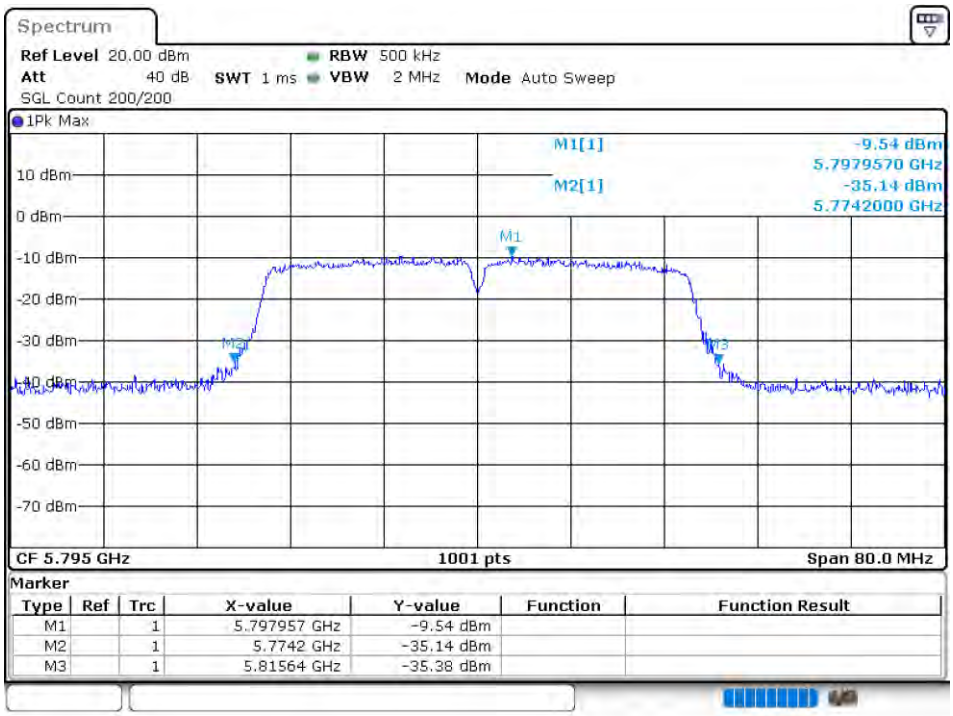
-26 dB BW NVNT 802.11ac40 5755MHz Ant 1



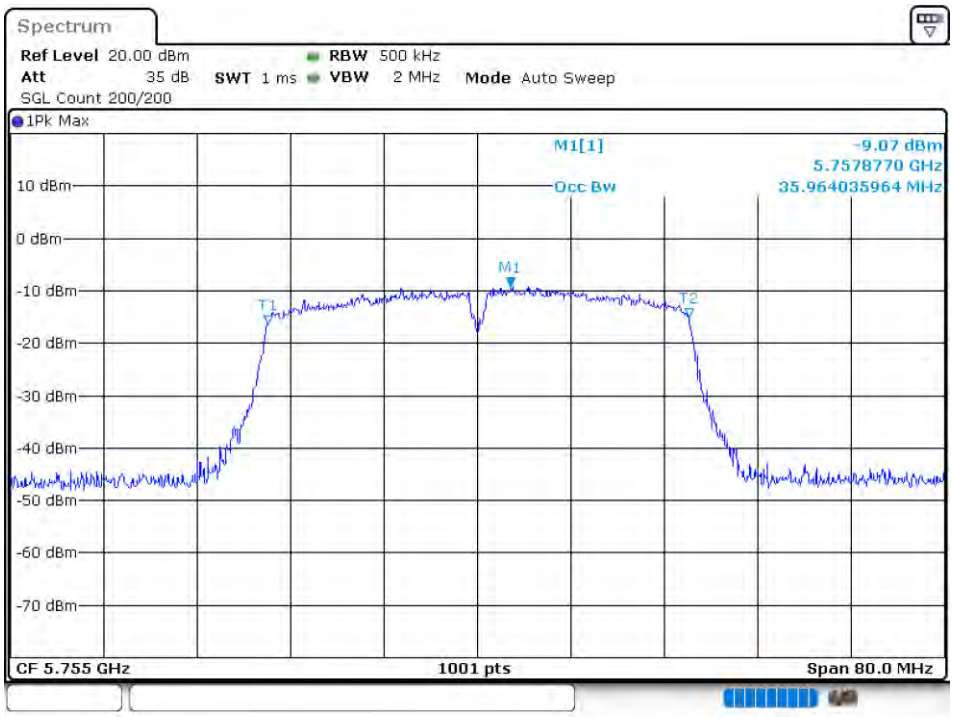
OBW NVNT 802.11ac40 5795MHz Ant 1



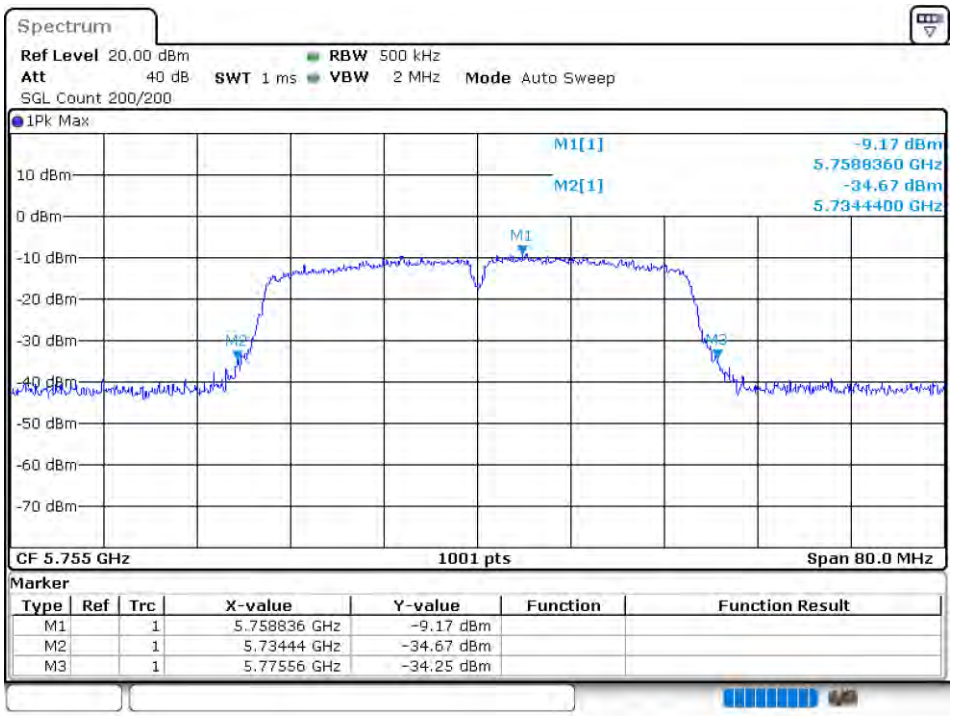
-26 dB BW NVNT 802.11ac40 5795MHz Ant 1



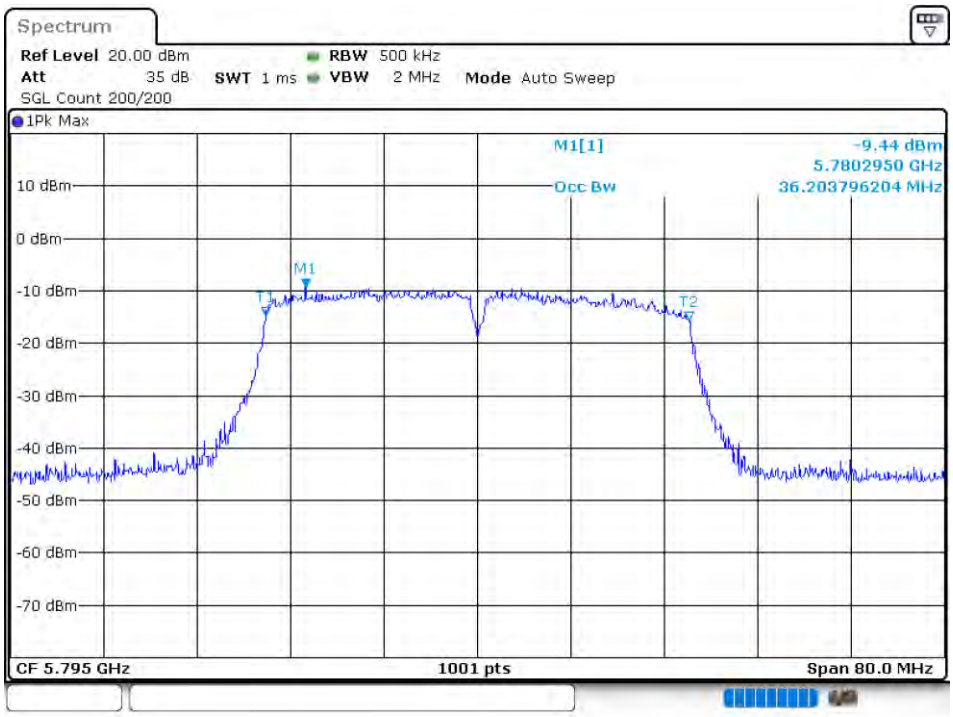
OBW NVNT 802.11ac40 5755MHz Ant 2



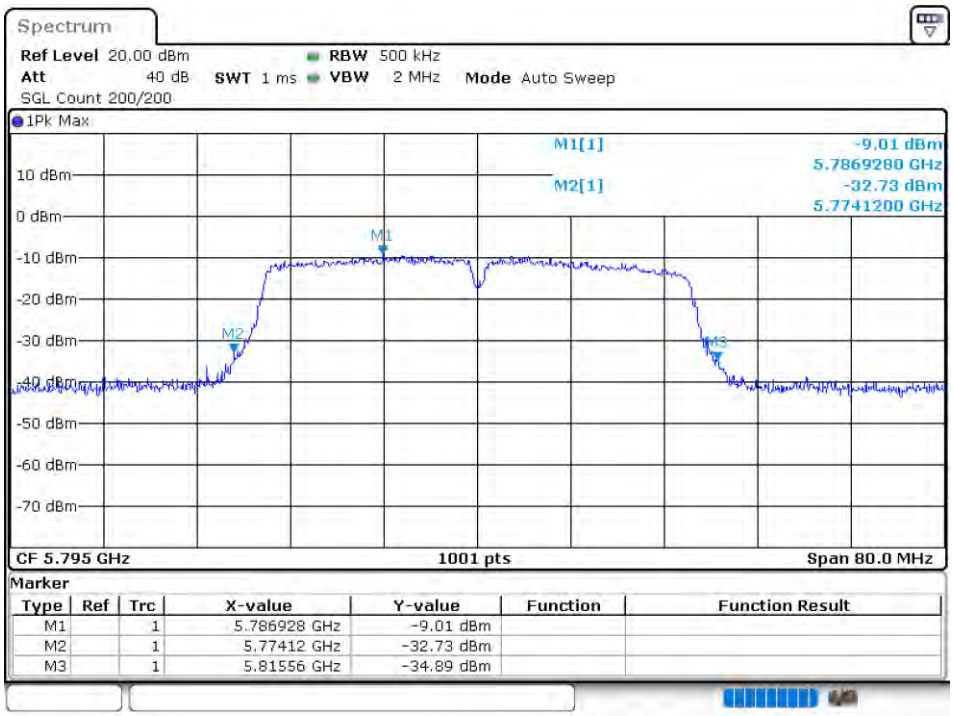
-26 dB BW NVNT 802.11ac40 5755MHz Ant 2



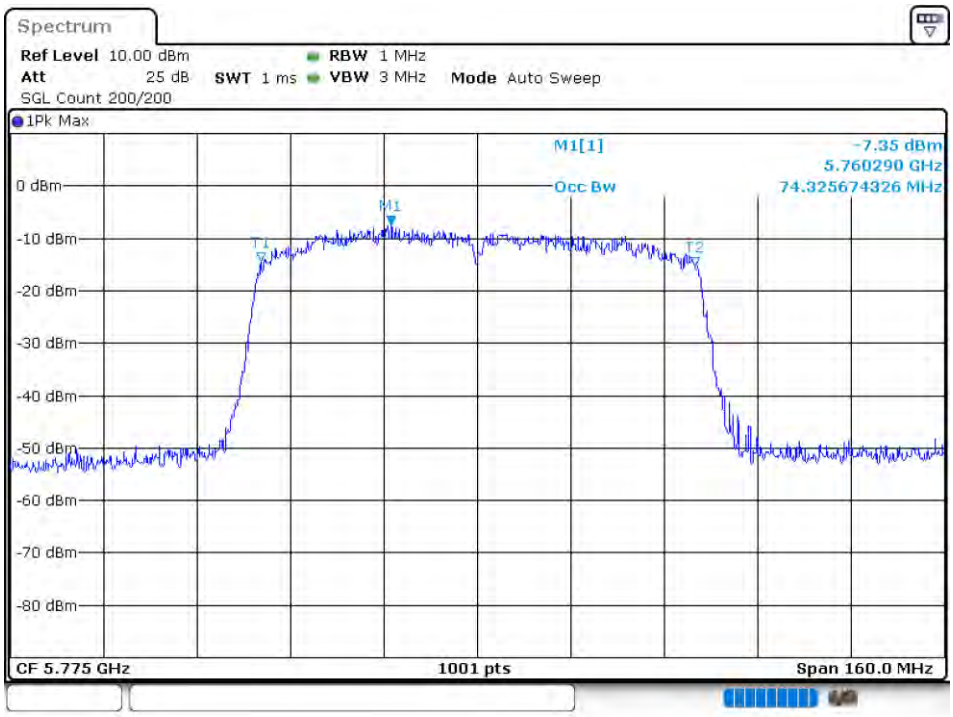
OBW NVNT 802.11ac40 5795MHz Ant 2



-26 dB BW NVNT 802.11ac40 5795MHz Ant 2



OBW NVNT 802.11ac80 5775MHz Ant 1



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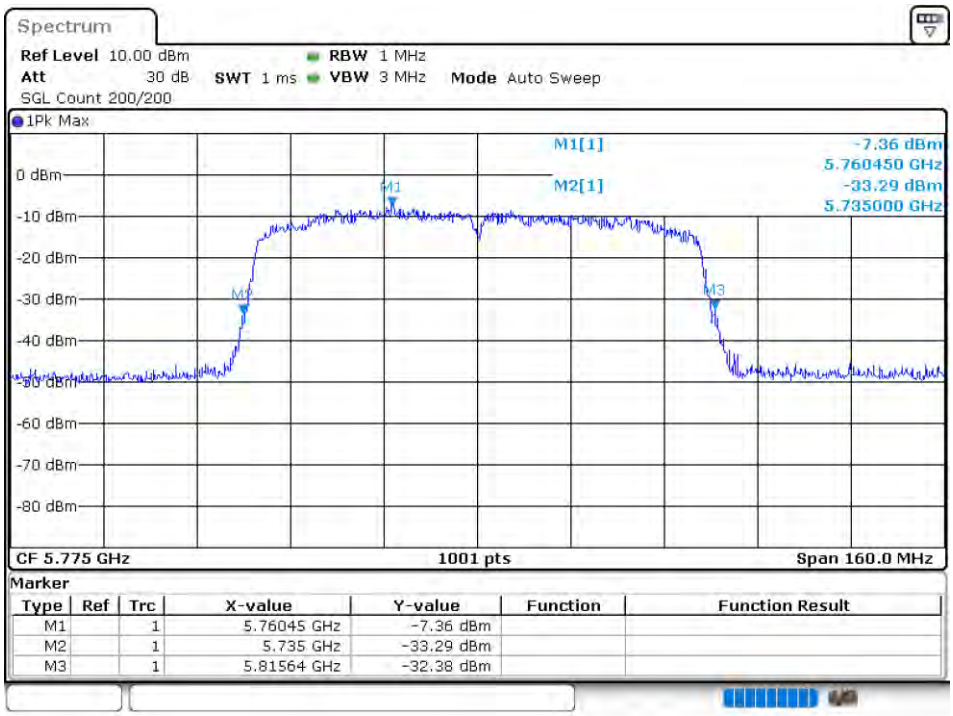
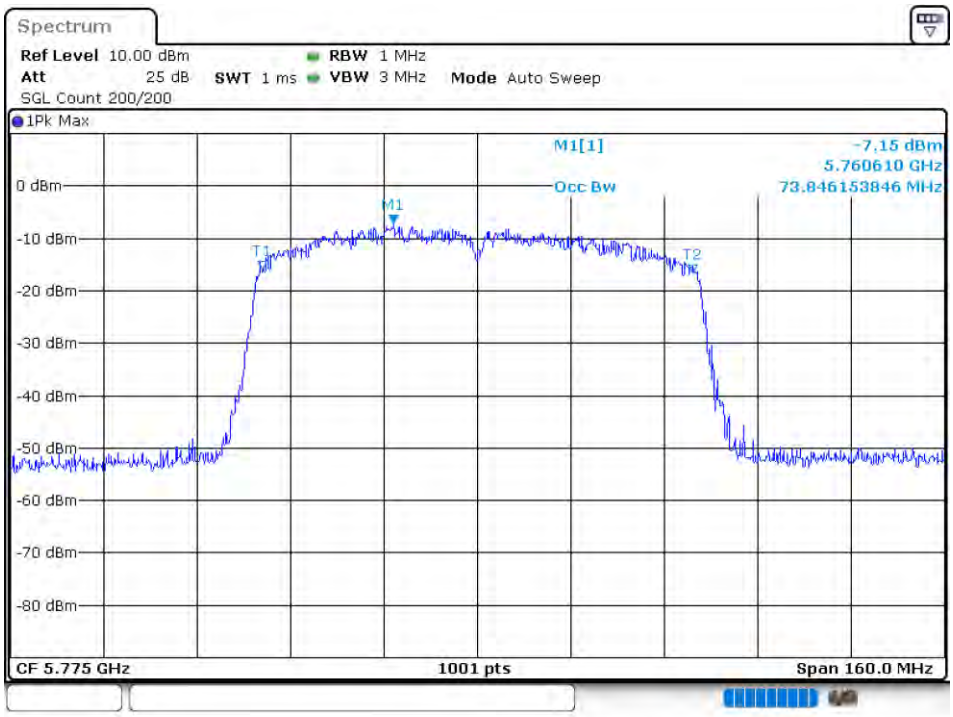


OBW NVNT 802.11ac80 5775MHz Ant 2



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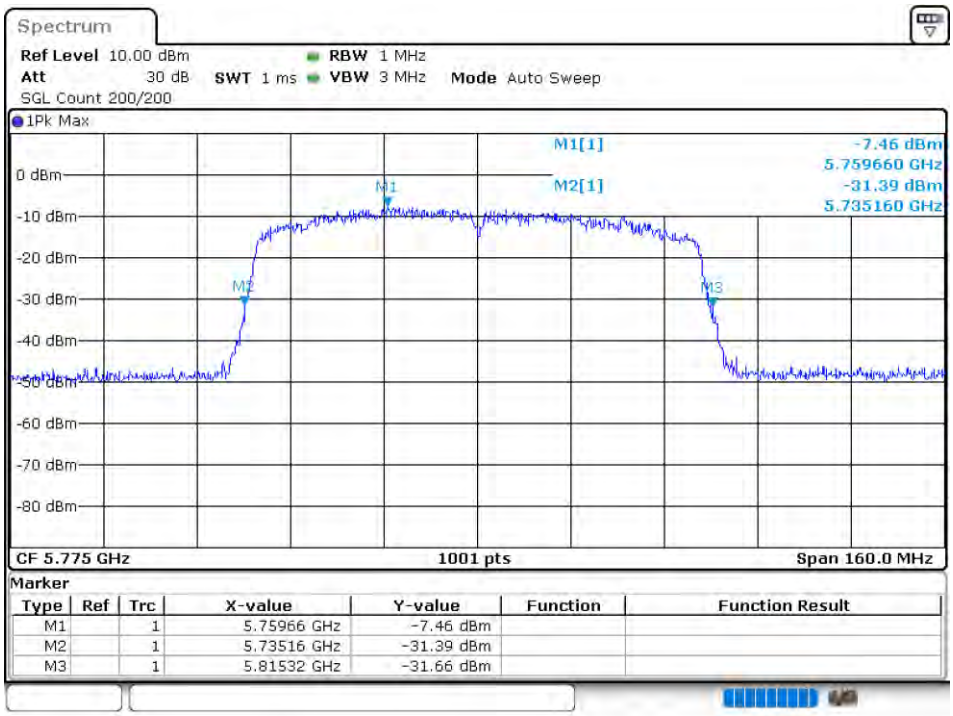
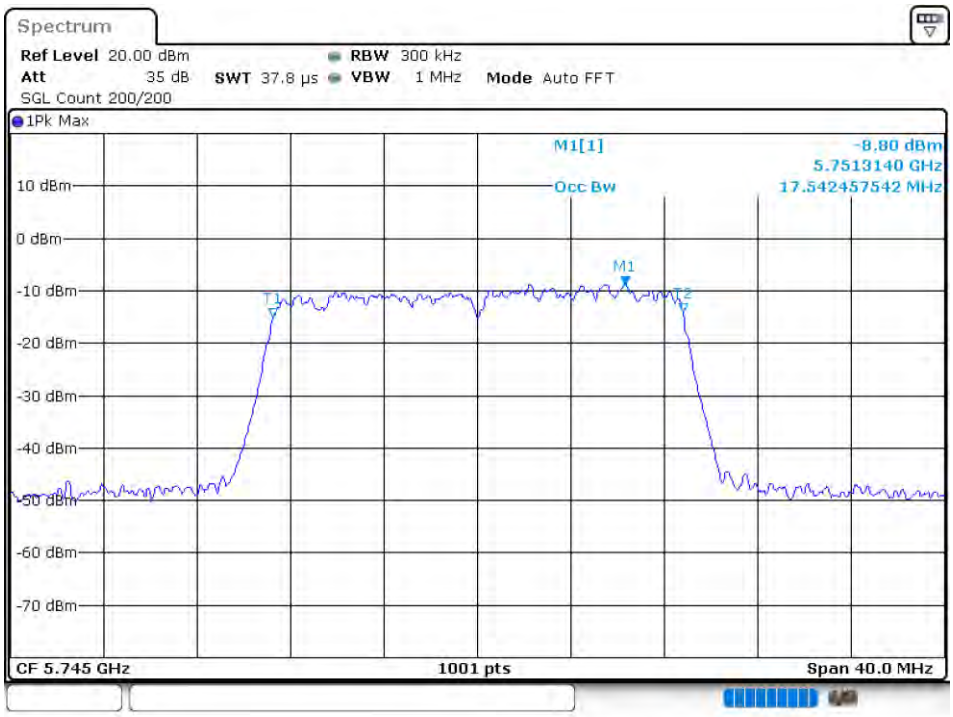


OBW NVNT 802.11n(HT20) 5745MHz Ant 1



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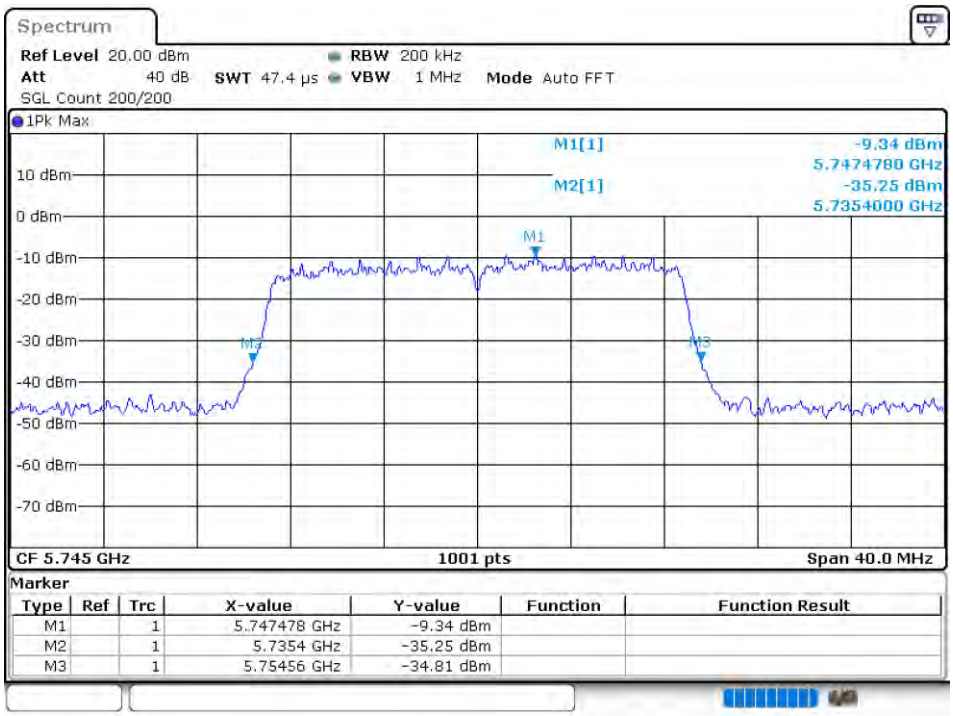
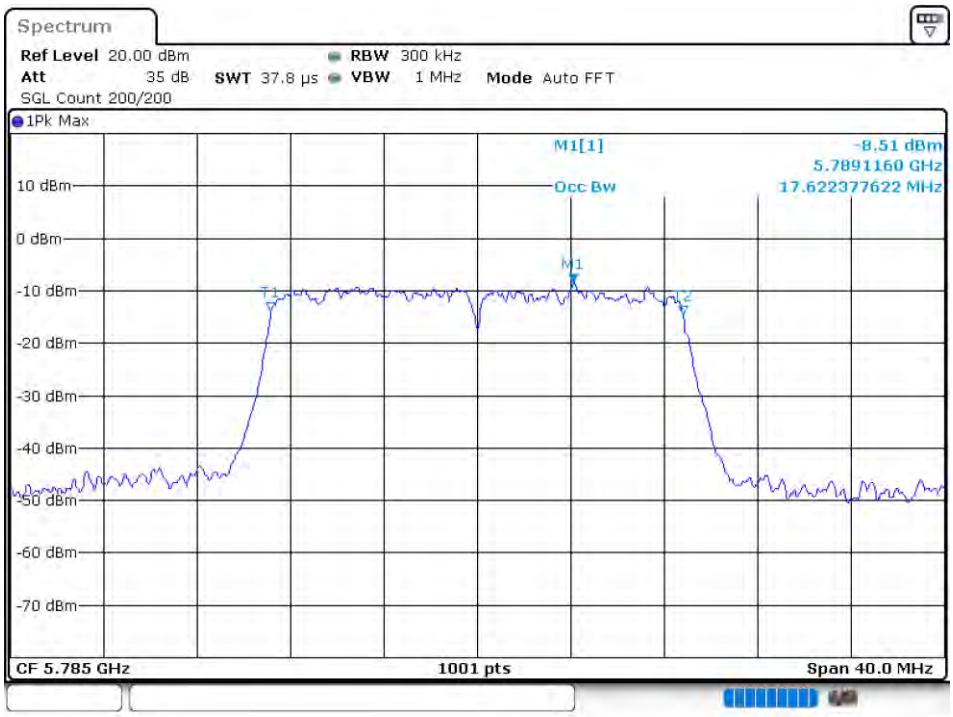


OBW NVNT 802.11n(HT20) 5785MHz Ant 1



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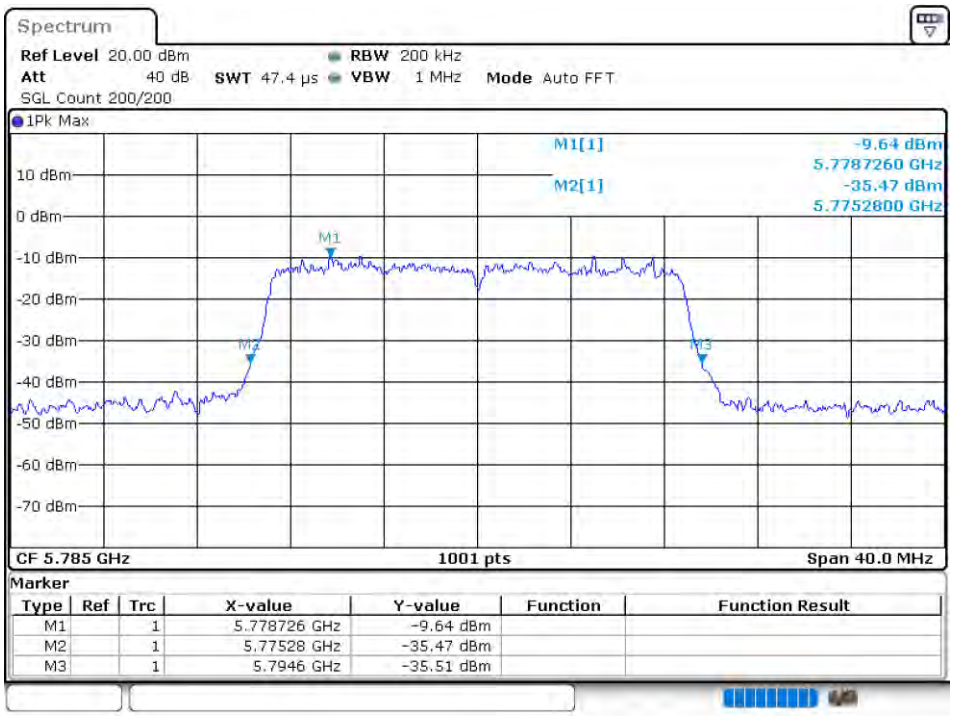
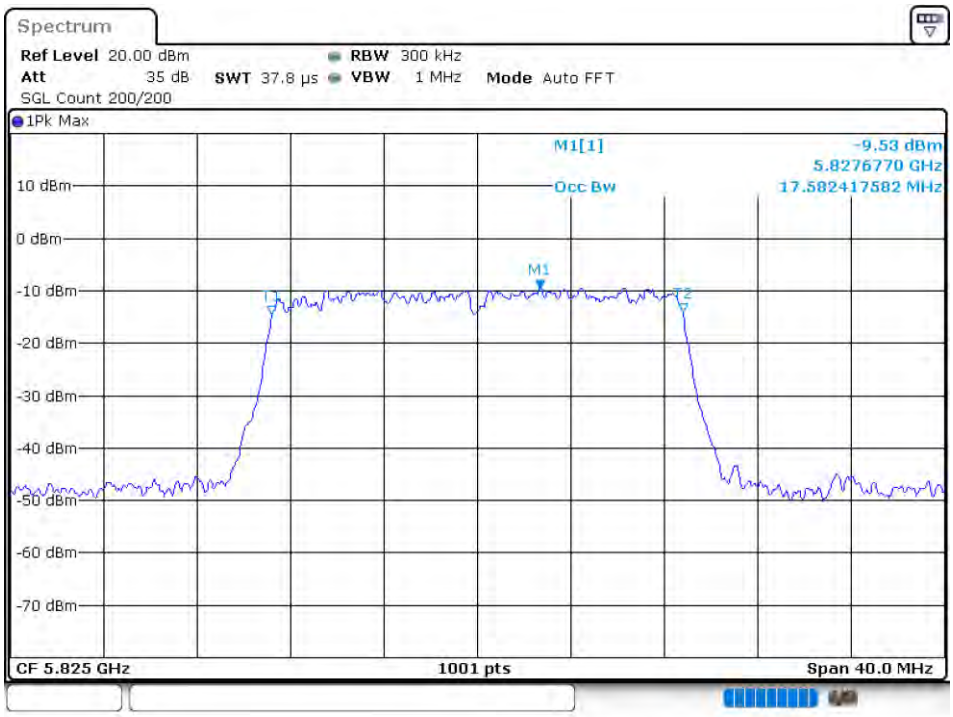


OBW NVNT 802.11n(HT20) 5825MHz Ant 1



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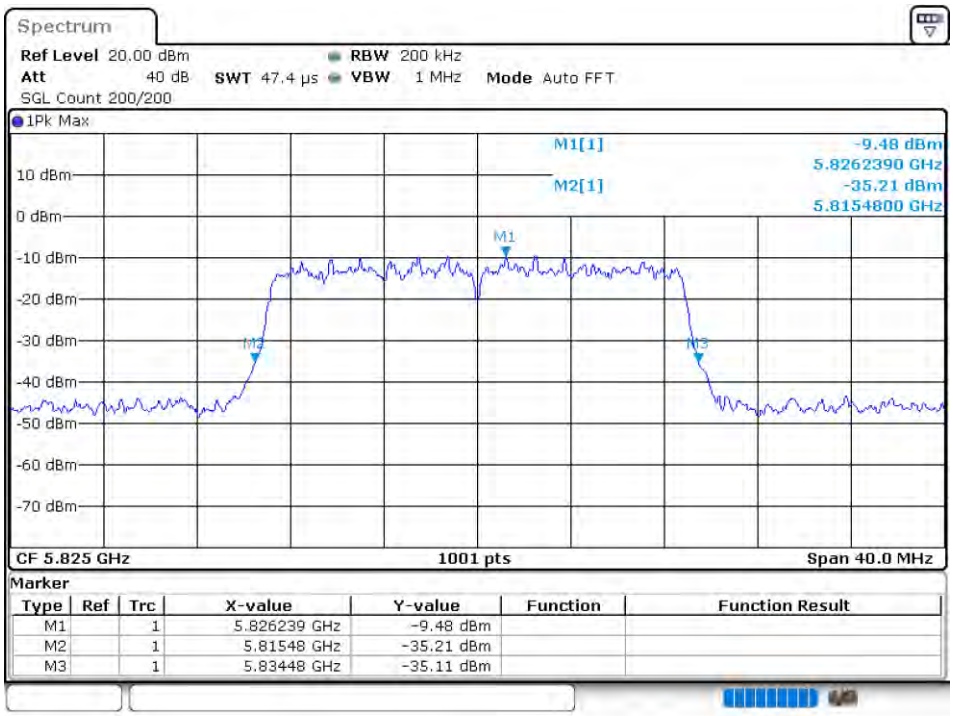
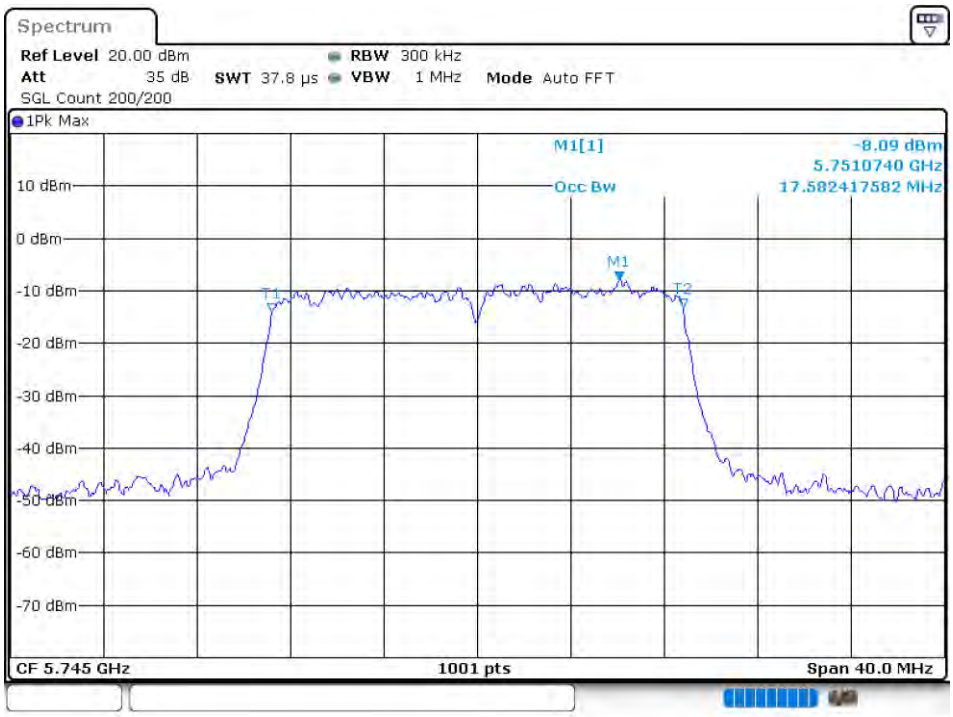


OBW NVNT 802.11n(HT20) 5745MHz Ant 2



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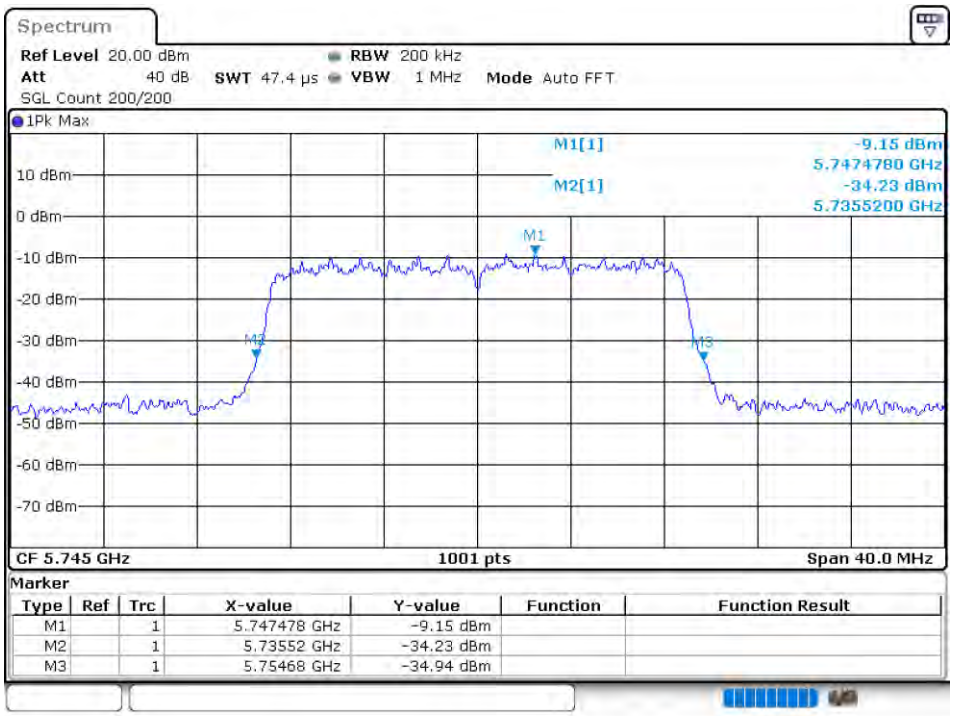
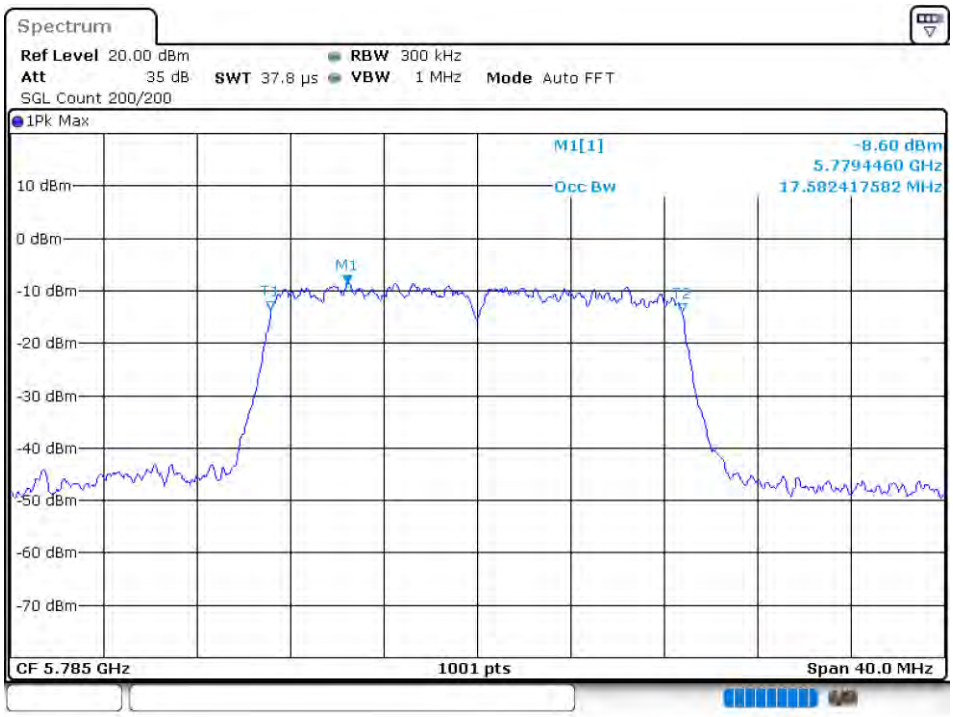
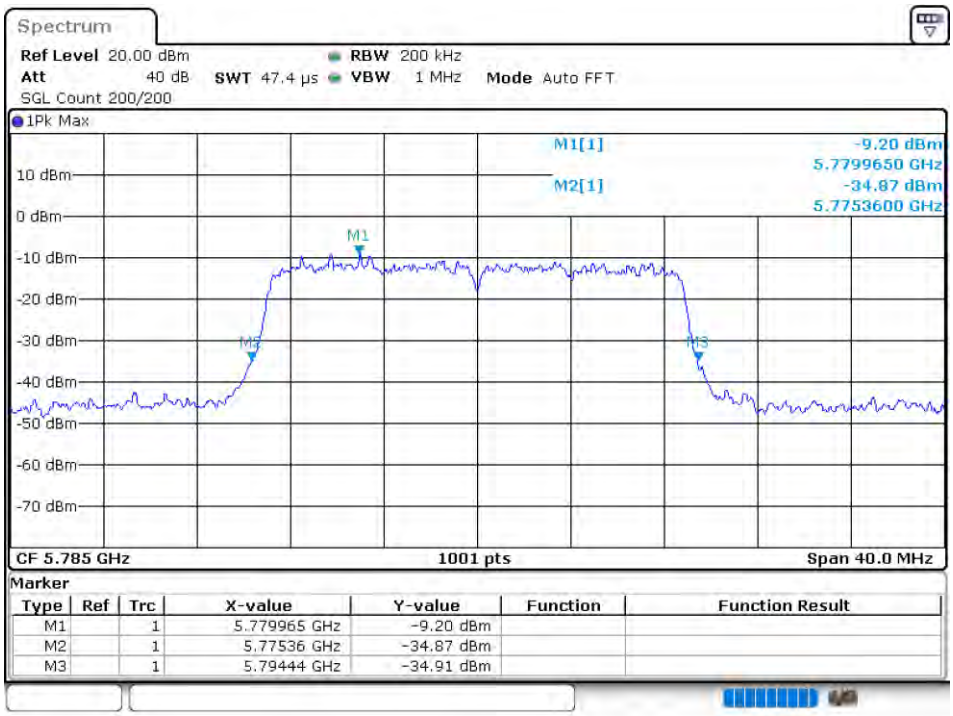


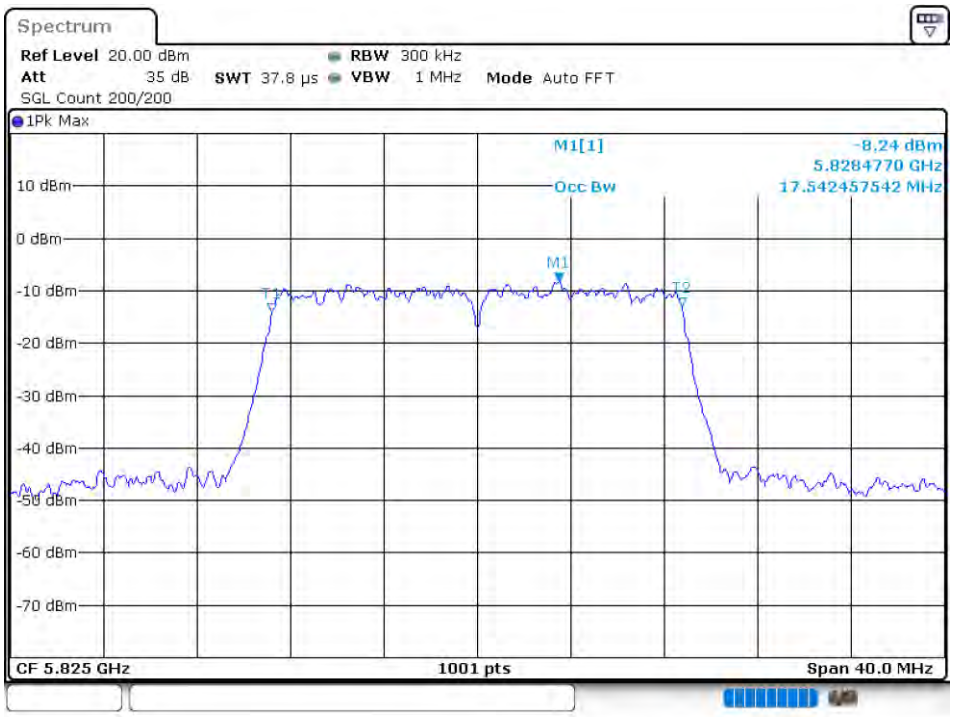
OBW NVNT 802.11n(HT20) 5785MHz Ant 2



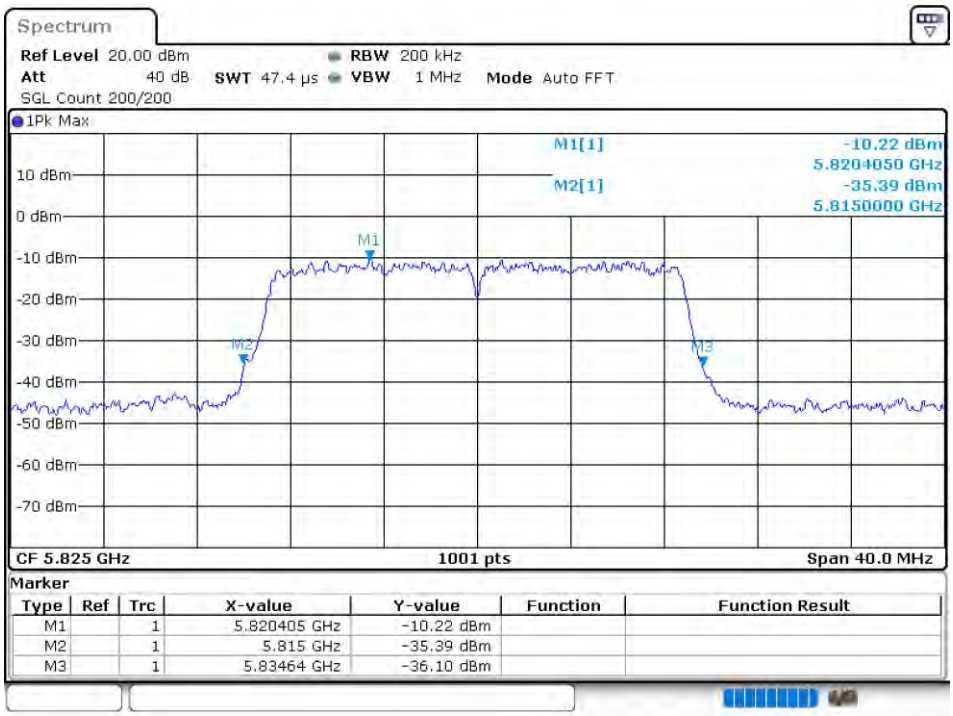
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant 2



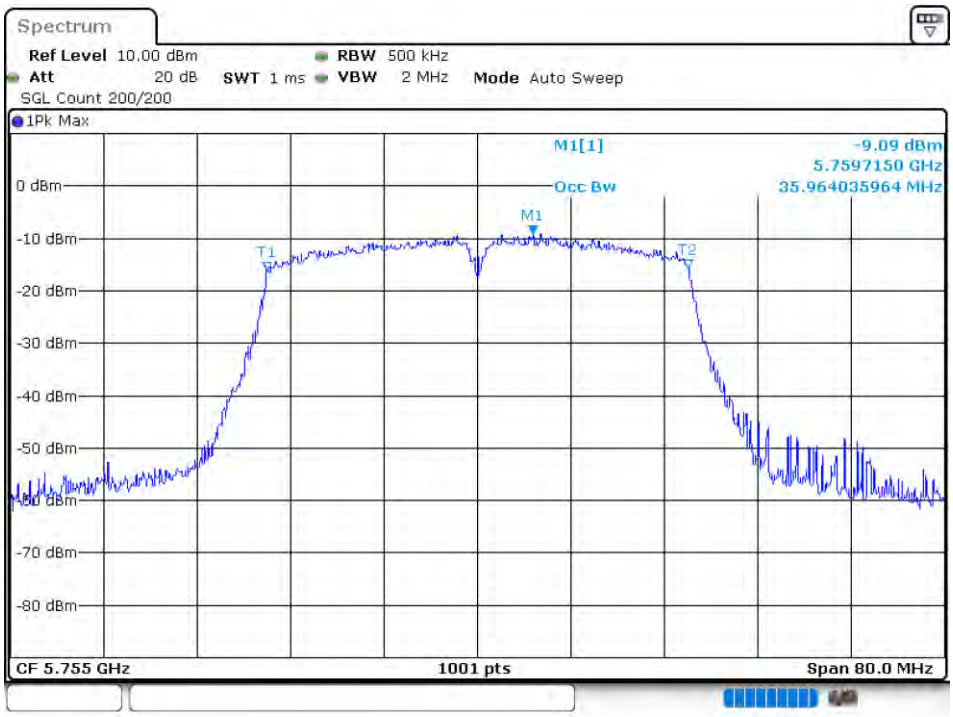
OBW NVNT 802.11n(HT20) 5825MHz Ant 2



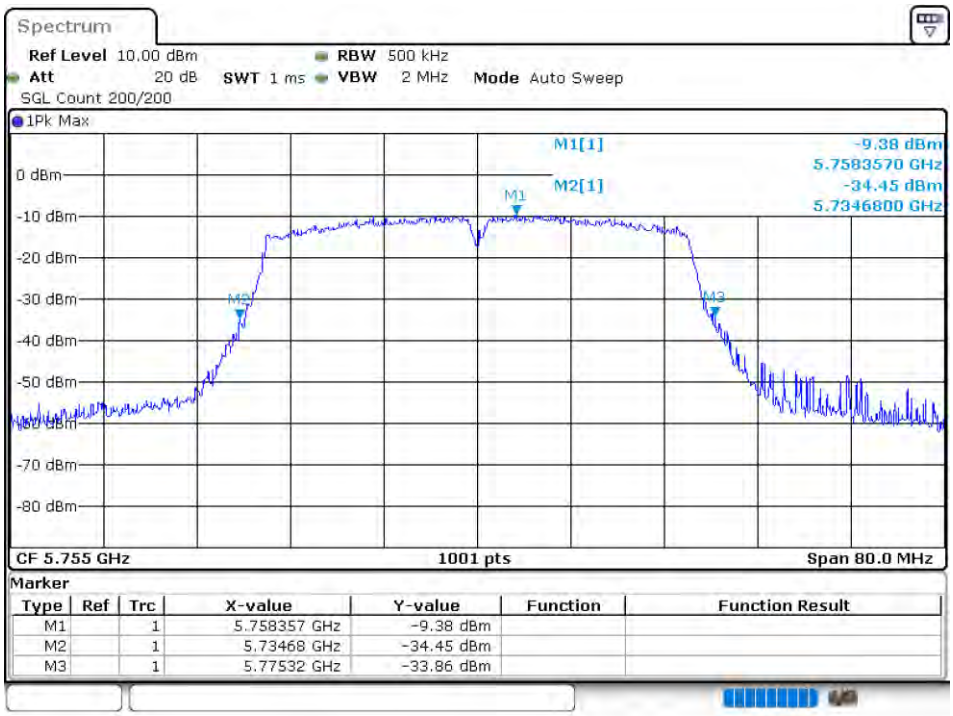
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant 2



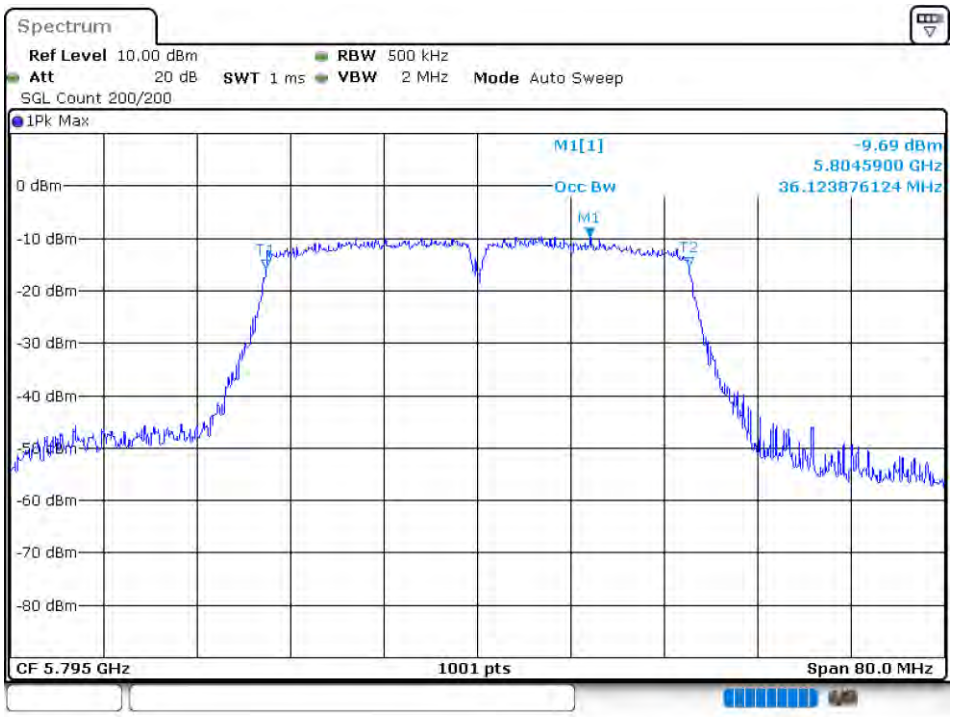
OBW NVNT 802.11n(HT40) 5755MHz Ant 1



-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant 1



OBW NVNT 802.11n(HT40) 5795MHz Ant 1



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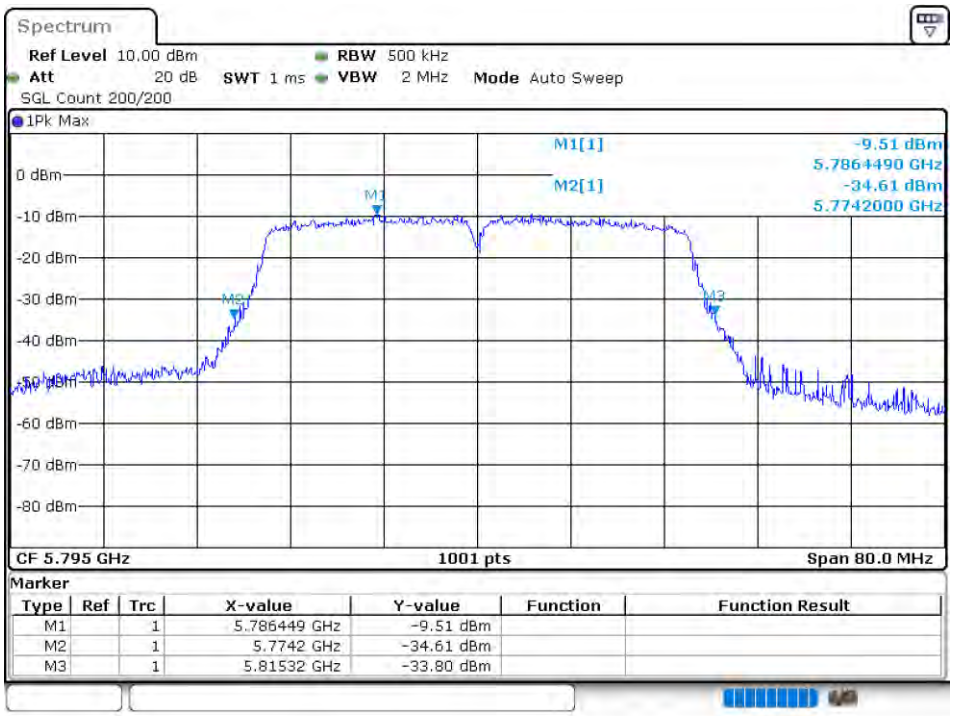

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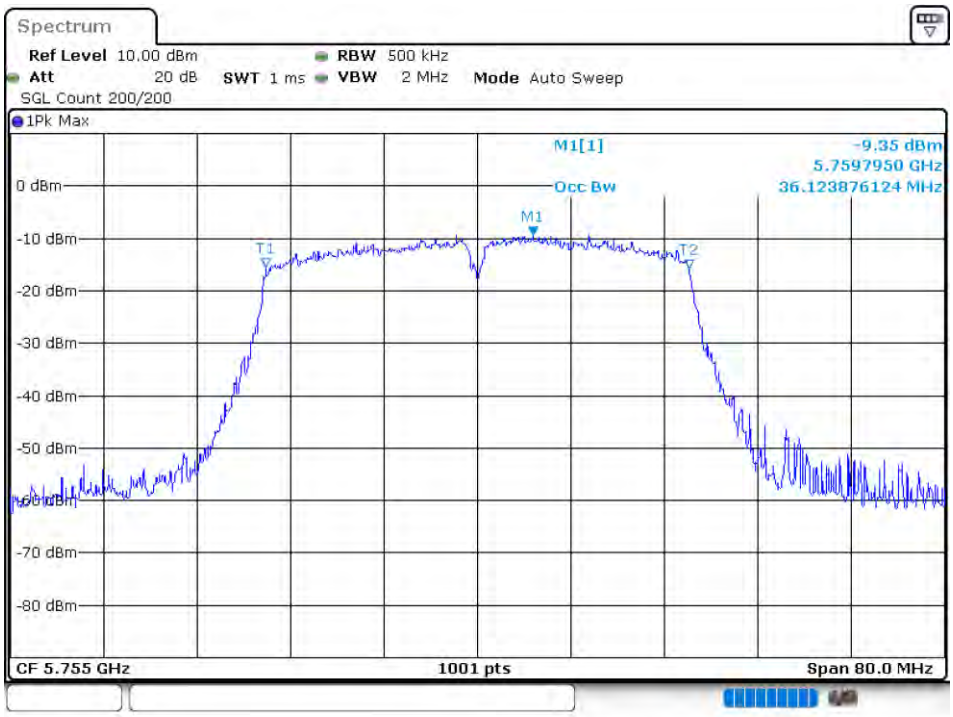

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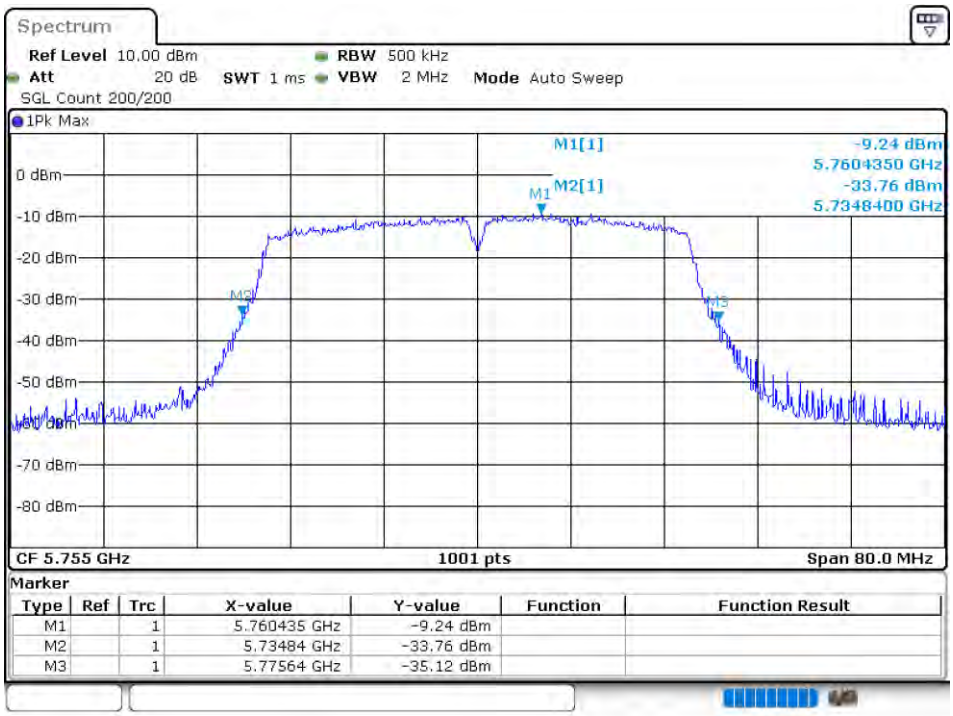
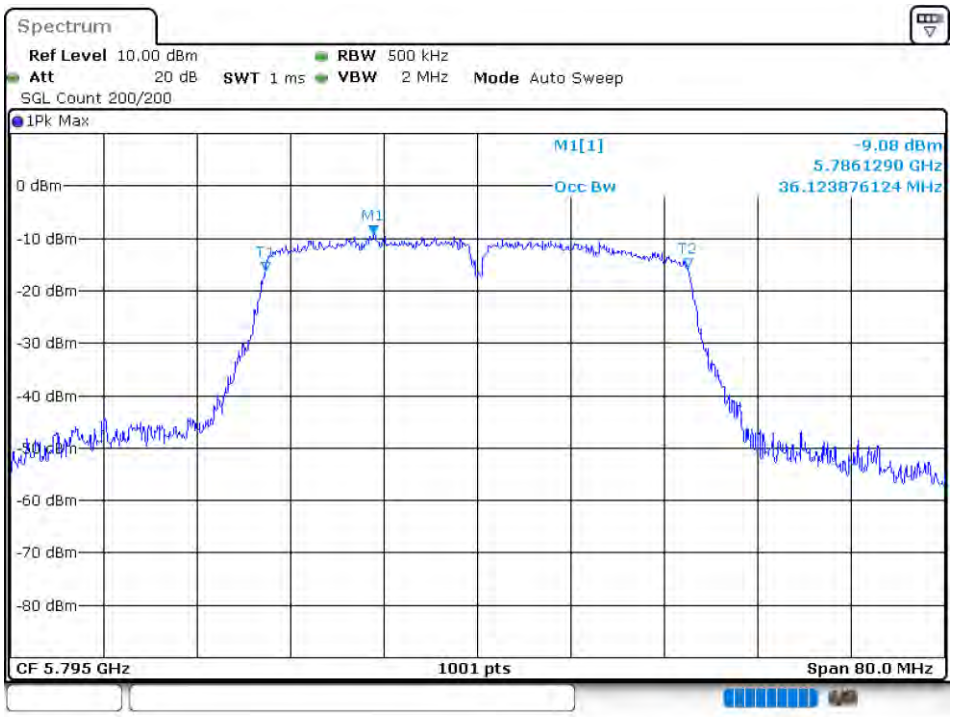
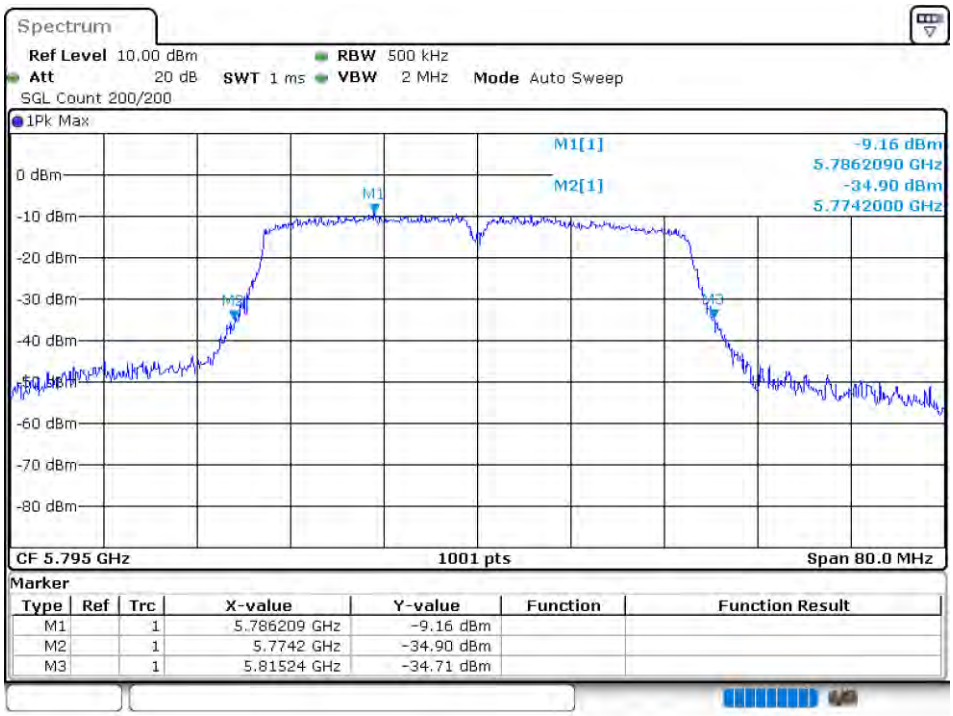


OBW NVNT 802.11n(HT40) 5795MHz Ant 2



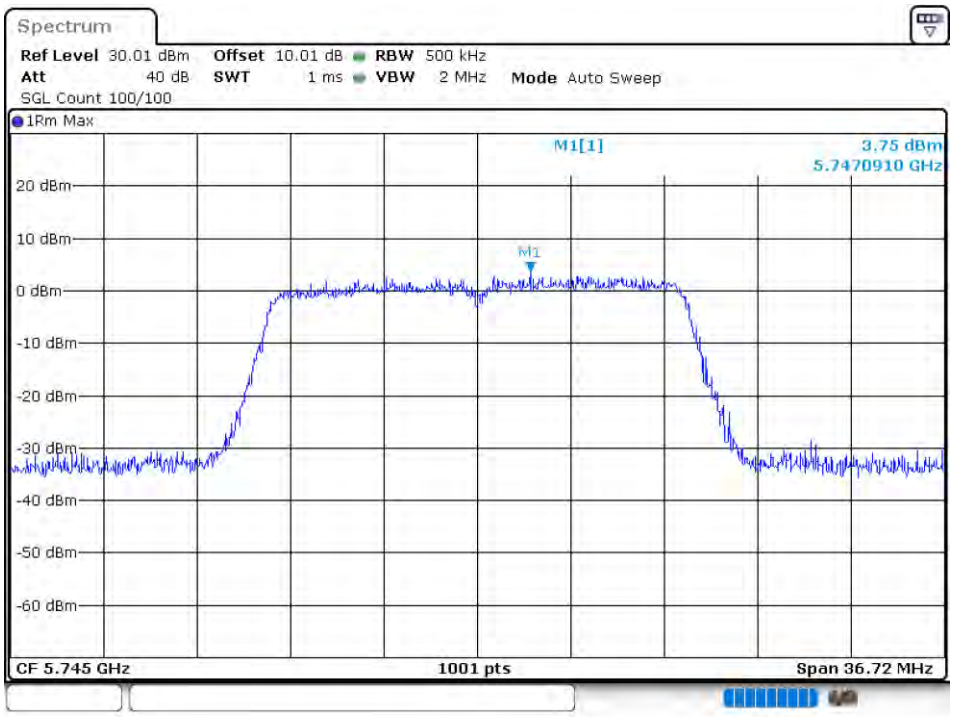
-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant 2



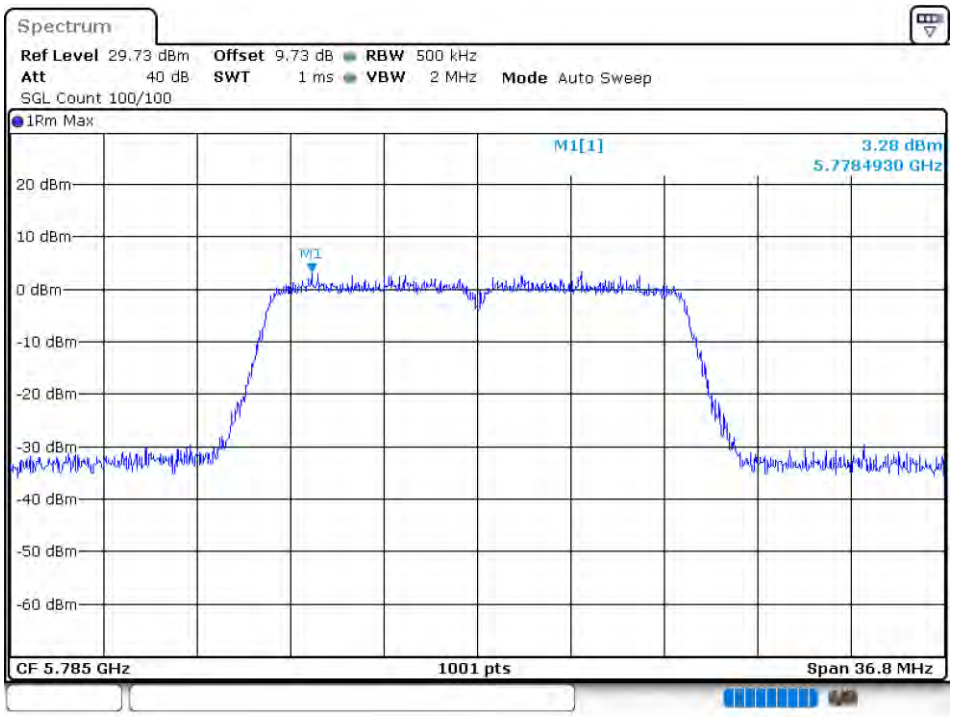
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant 1	3.749	29.67	Pass
NVNT	a	5785	Ant 1	3.279	29.67	Pass
NVNT	a	5825	Ant 1	3.57	29.67	Pass
NVNT	a	5745	Ant 2	3.82	30	Pass
NVNT	a	5785	Ant 2	2.628	30	Pass
NVNT	a	5825	Ant 2	3.192	30	Pass
NVNT	ac20	5745	Ant 1	3.997	29.67	Pass
NVNT	ac20	5745	Ant 2	4.147	30	Pass
NVNT	ac20	5785	Ant 1	2.13	29.67	Pass
NVNT	ac20	5785	Ant 2	2.636	30	Pass
NVNT	ac20	5825	Ant 1	2.616	29.67	Pass
NVNT	ac20	5825	Ant 2	3.382	30	Pass
NVNT	ac40	5755	Ant 1	0.243	29.67	Pass
NVNT	ac40	5755	Ant 2	0.151	30	Pass
NVNT	ac40	5795	Ant 1	-0.649	29.67	Pass
NVNT	ac40	5795	Ant 2	-0.129	30	Pass
NVNT	ac80	5775	Ant 1	-3.185	29.67	Pass
NVNT	ac80	5775	Ant 2	-2.064	30	Pass
NVNT	n20	5745	Ant 1	3.612	29.67	Pass
NVNT	n20	5745	Ant 2	3.109	30	Pass
NVNT	n20	5785	Ant 1	2.567	29.67	Pass
NVNT	n20	5785	Ant 2	2.652	30	Pass
NVNT	n20	5825	Ant 1	2.413	29.67	Pass
NVNT	n20	5825	Ant 2	2.924	30	Pass
NVNT	n40	5755	Ant 1	-0.374	29.67	Pass
NVNT	n40	5755	Ant 2	-0.009	30	Pass
NVNT	n40	5795	Ant 1	-1.042	29.67	Pass
NVNT	n40	5795	Ant 2	0.136	30	Pass

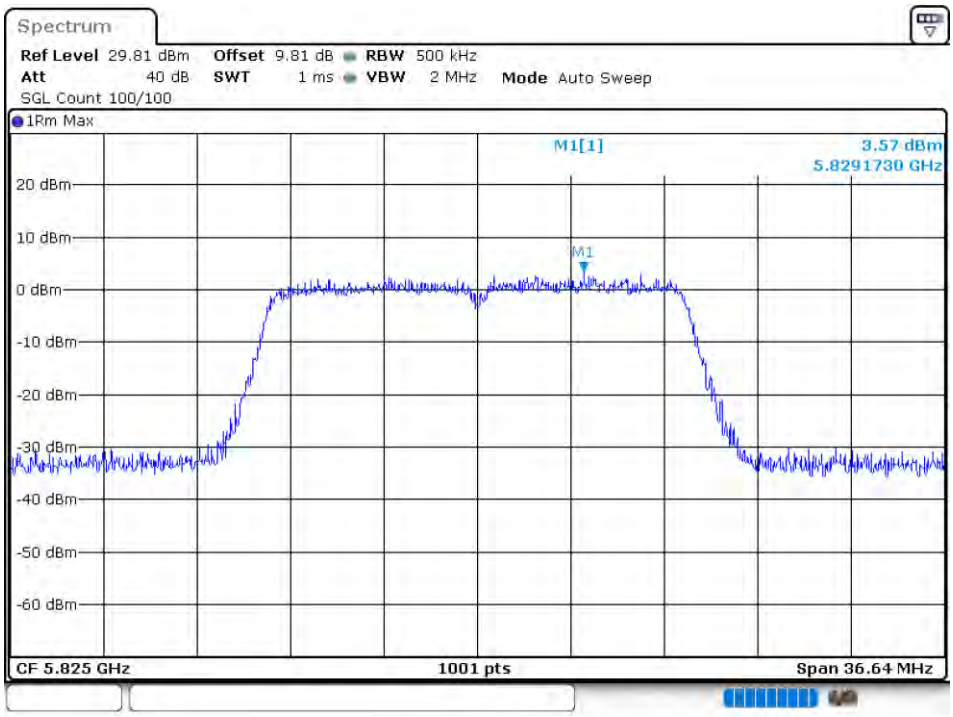
PSD NVNT 802.11a 5745MHz Ant 1



PSD NVNT 802.11a 5785MHz Ant 1



PSD NVNT 802.11a 5825MHz Ant 1



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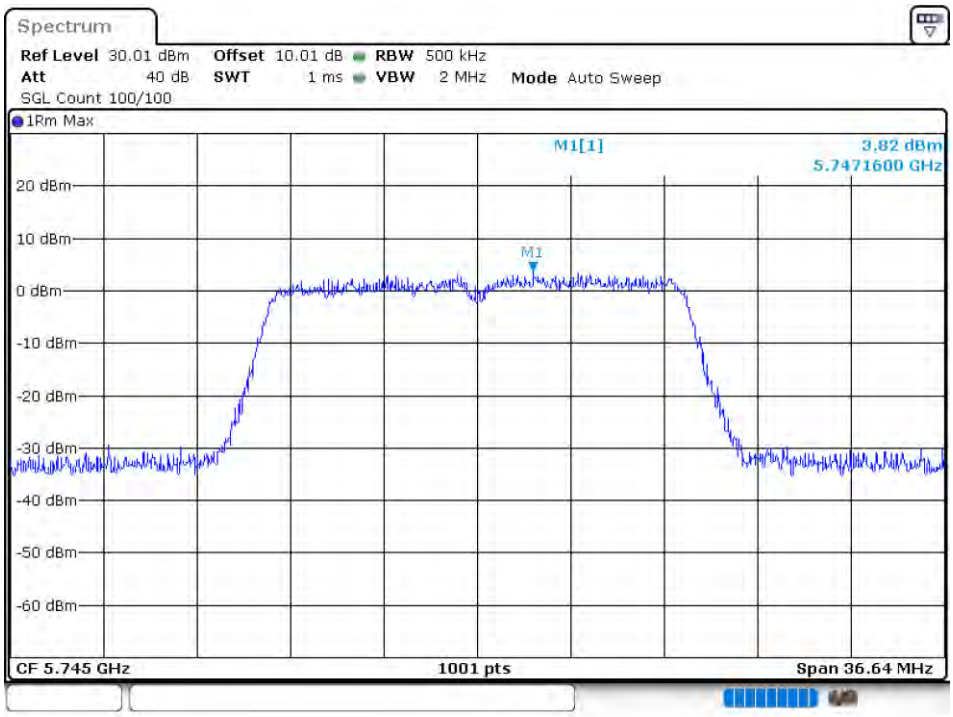

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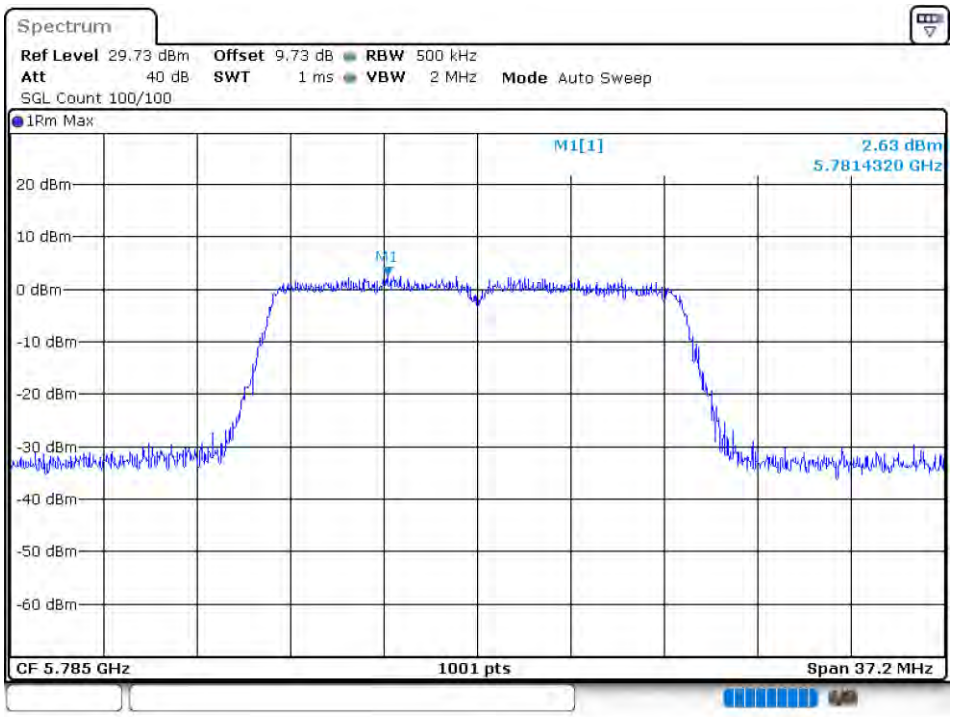

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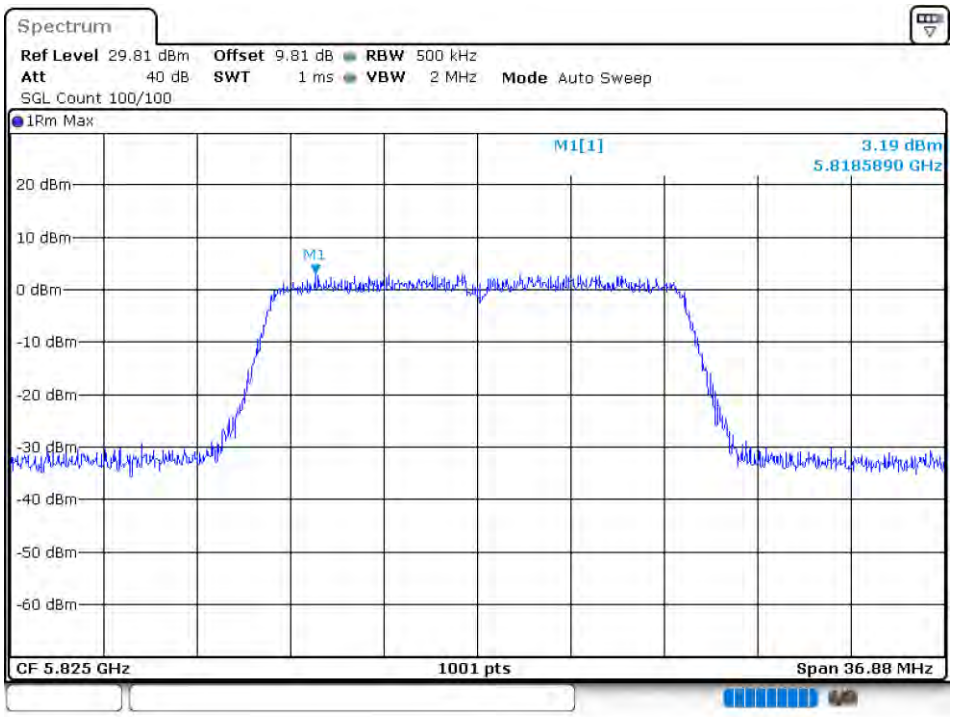
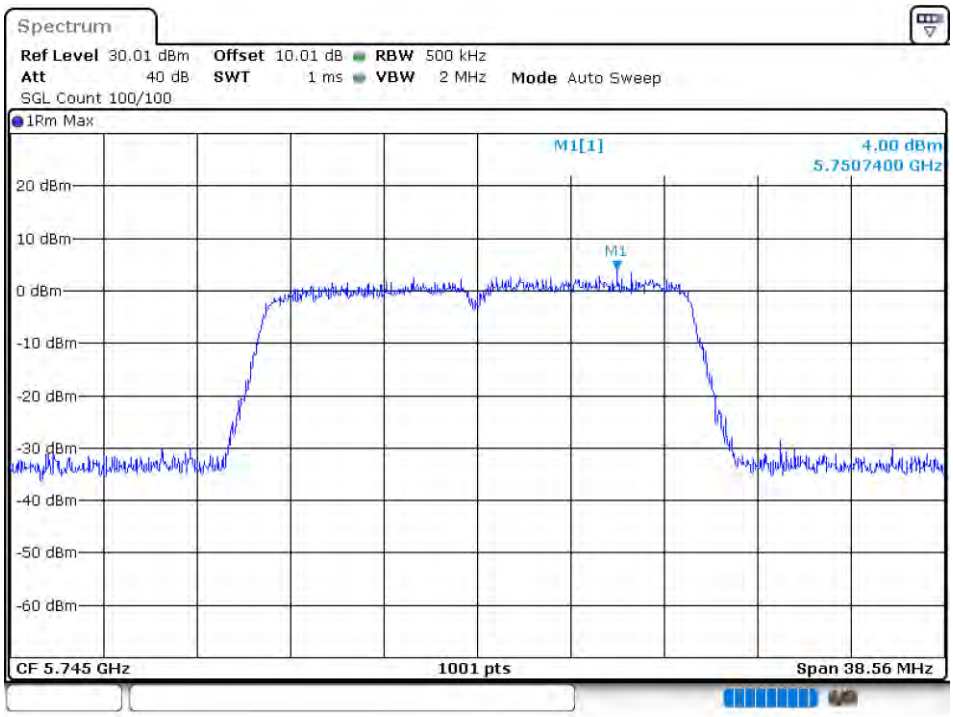
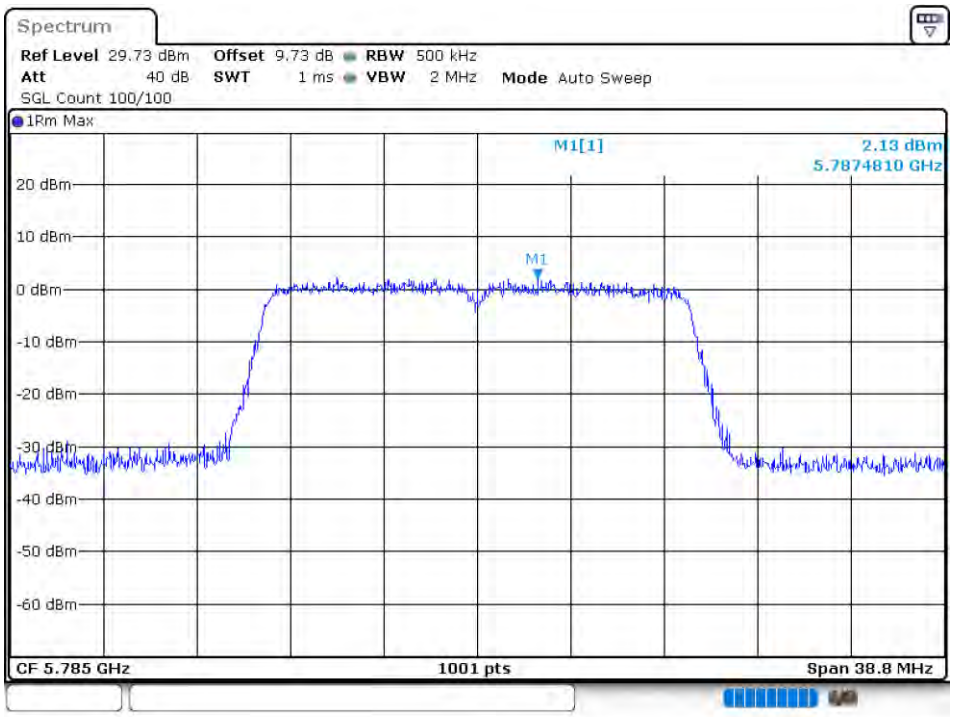


PSD NVNT 802.11ac20 5745MHz Ant 1



PSD NVNT 802.11ac20 5785MHz Ant 1



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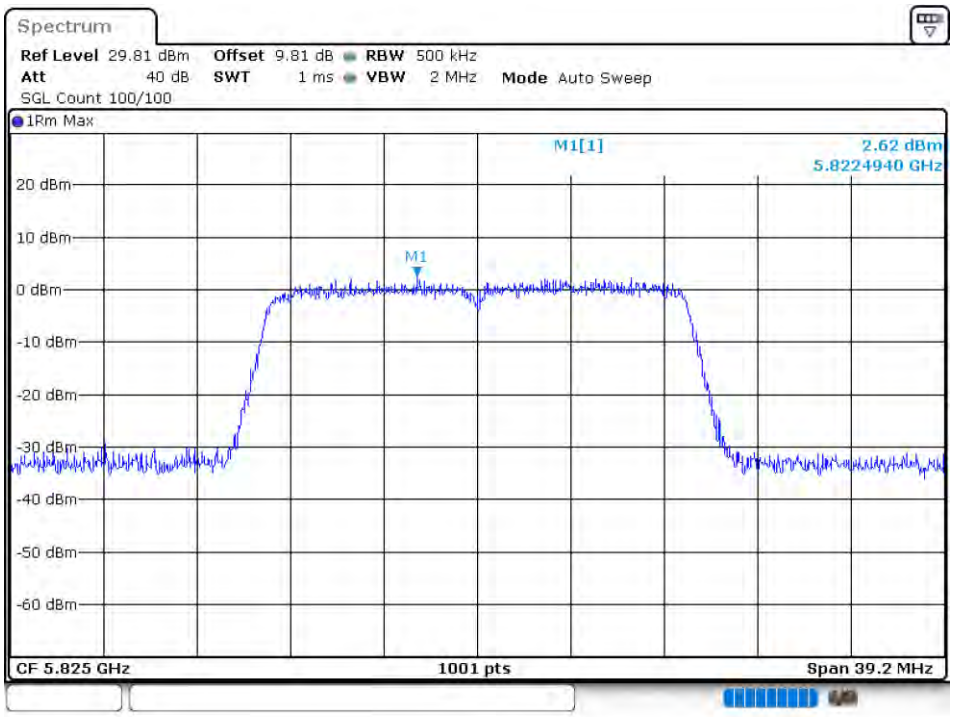

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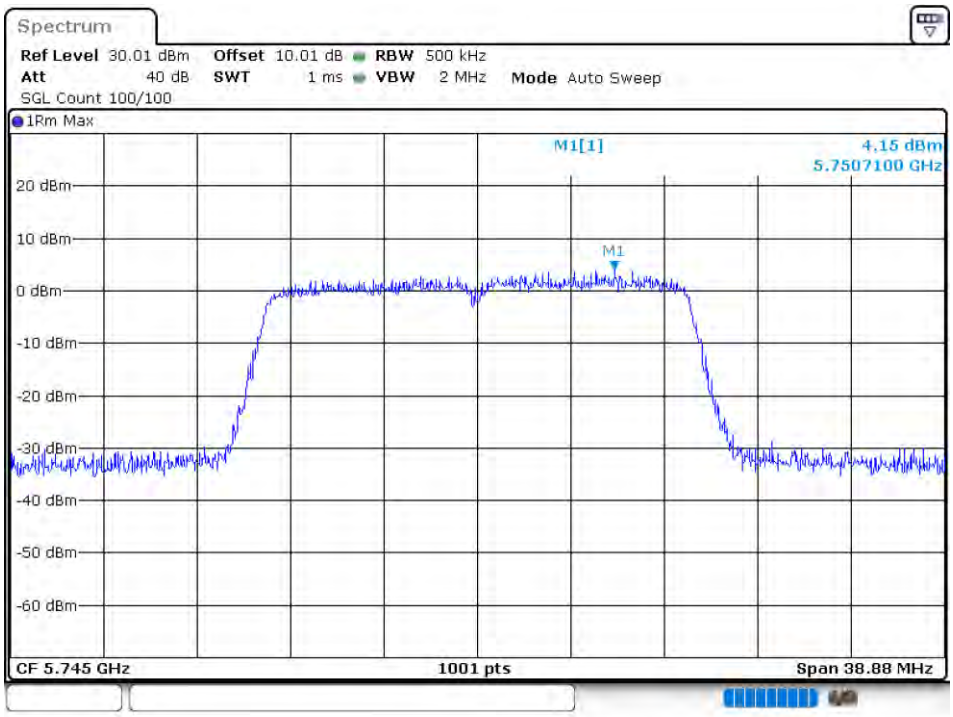

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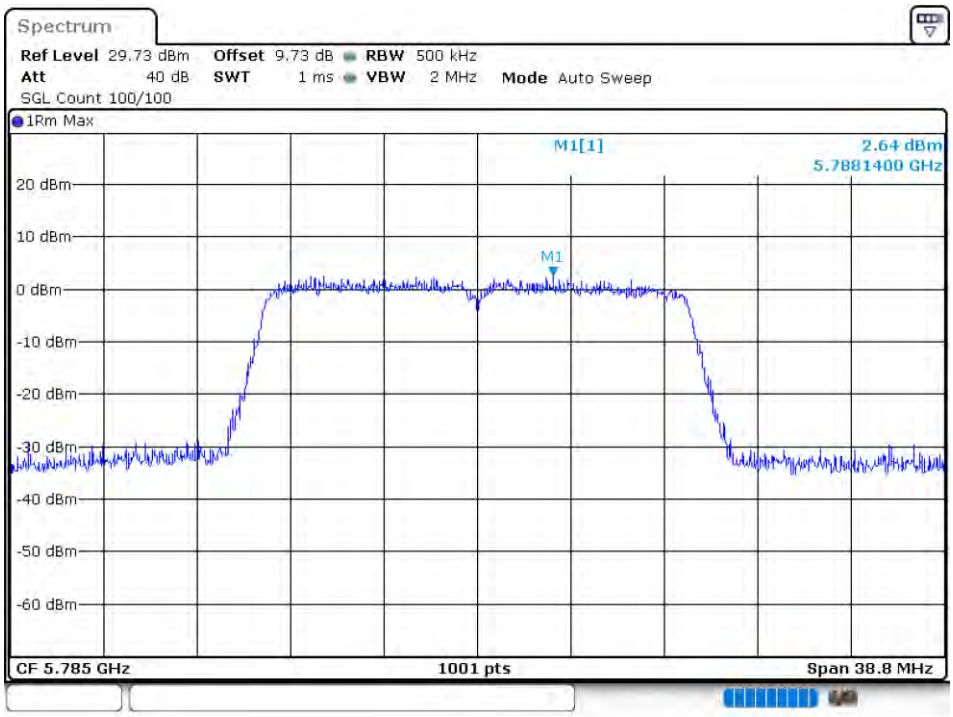

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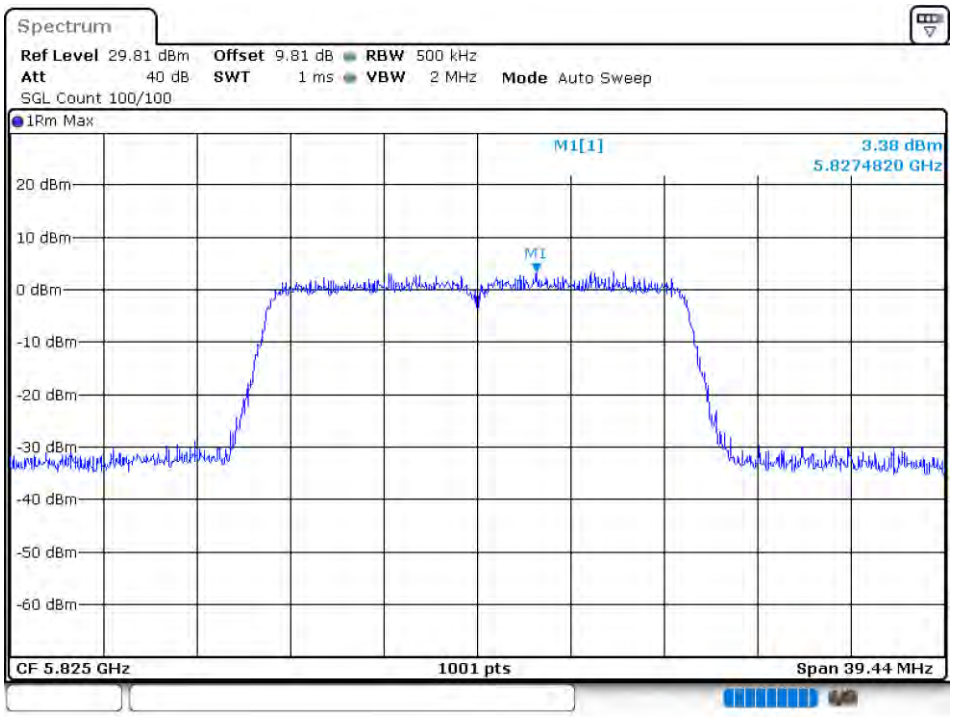
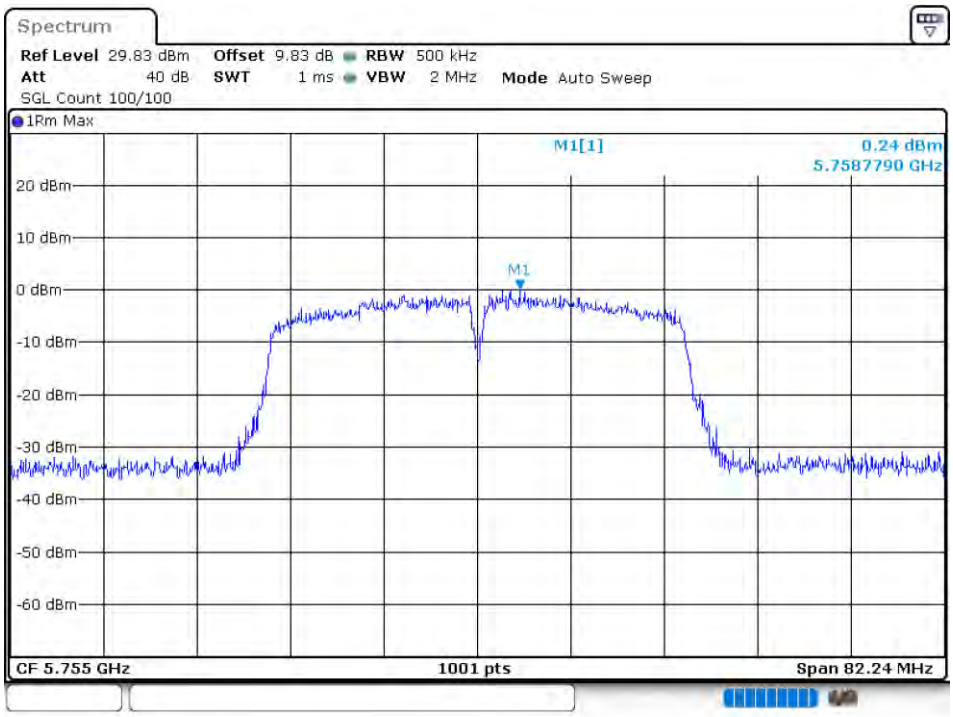
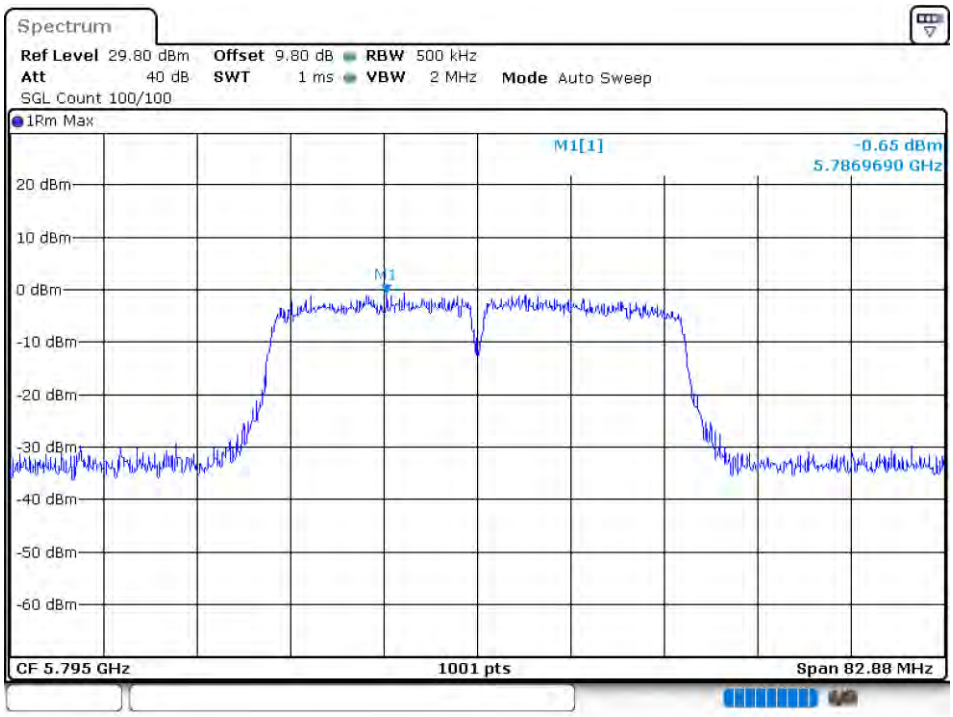


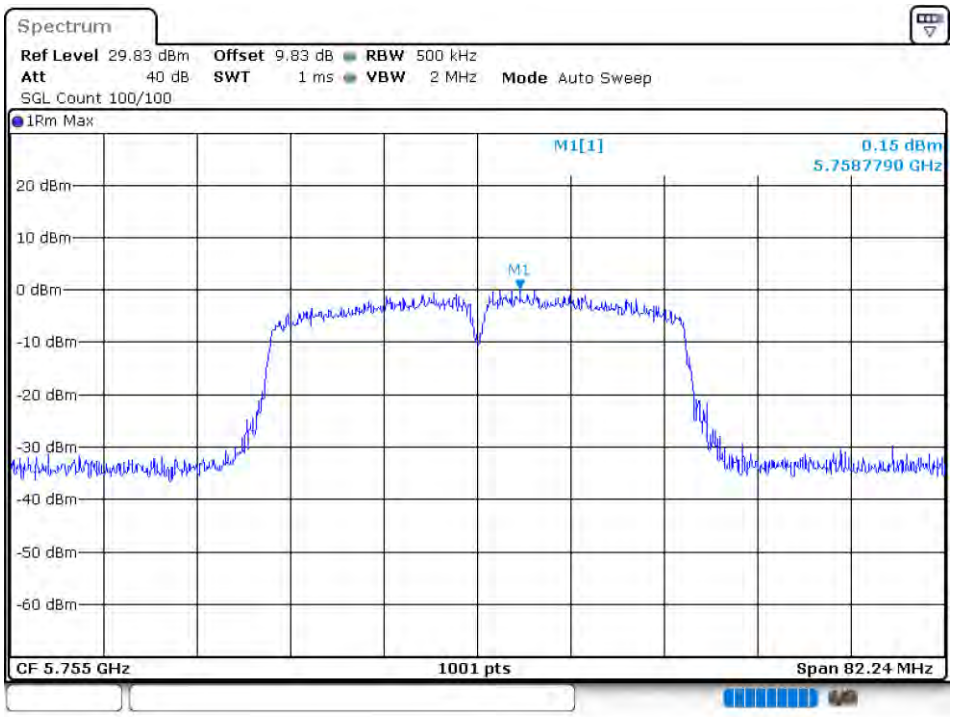
PSD NVNT 802.11ac40 5755MHz Ant 1



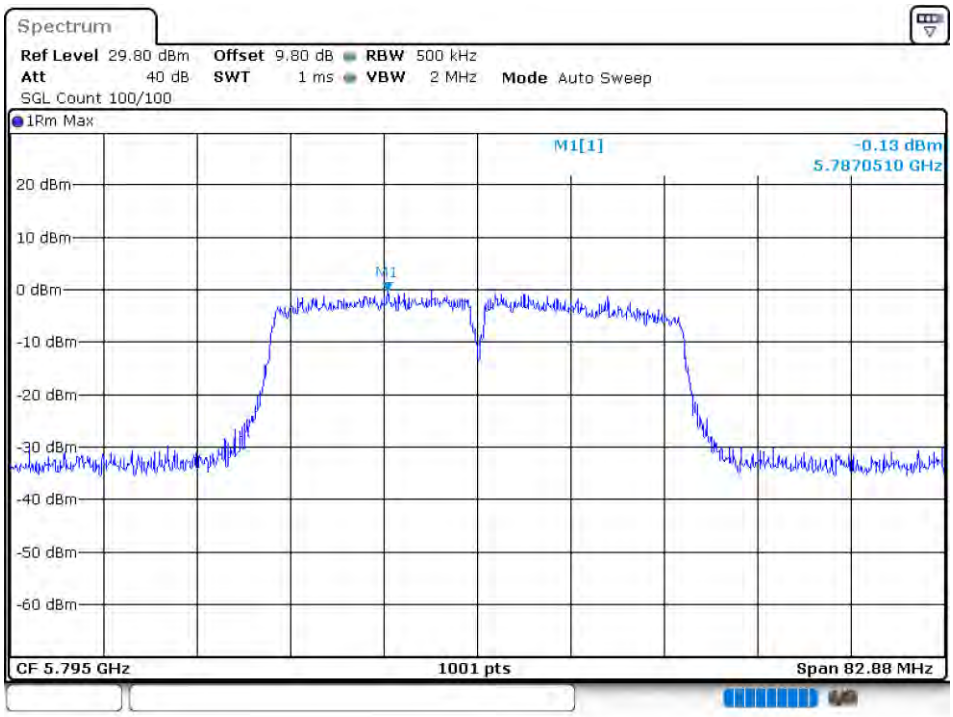
PSD NVNT 802.11ac40 5795MHz Ant 1



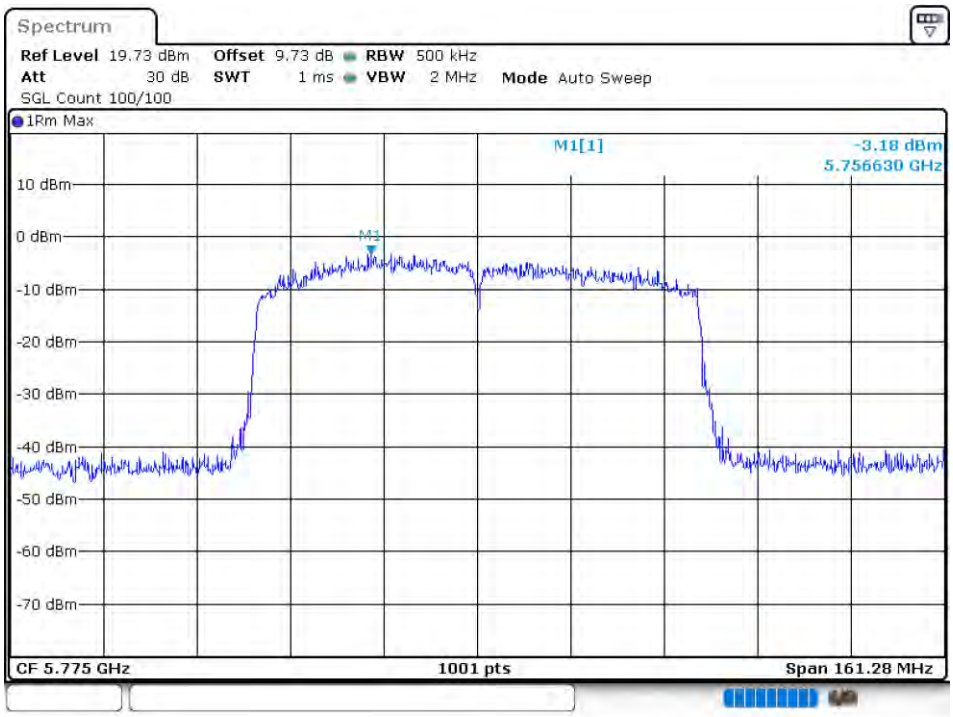
PSD NVNT 802.11ac40 5755MHz Ant 2



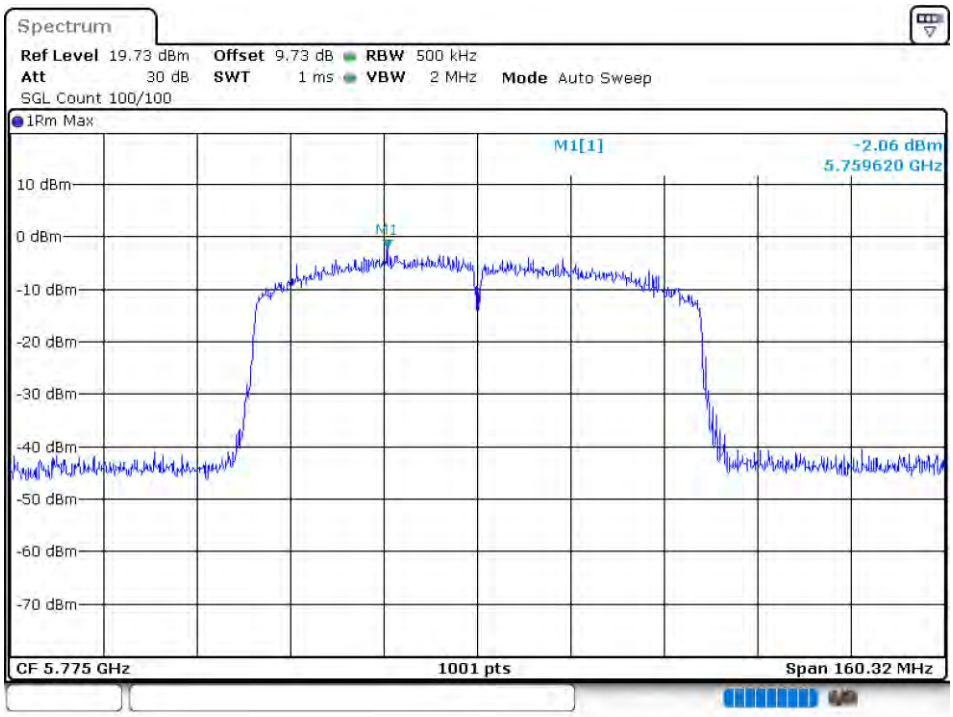
PSD NVNT 802.11ac40 5795MHz Ant 2



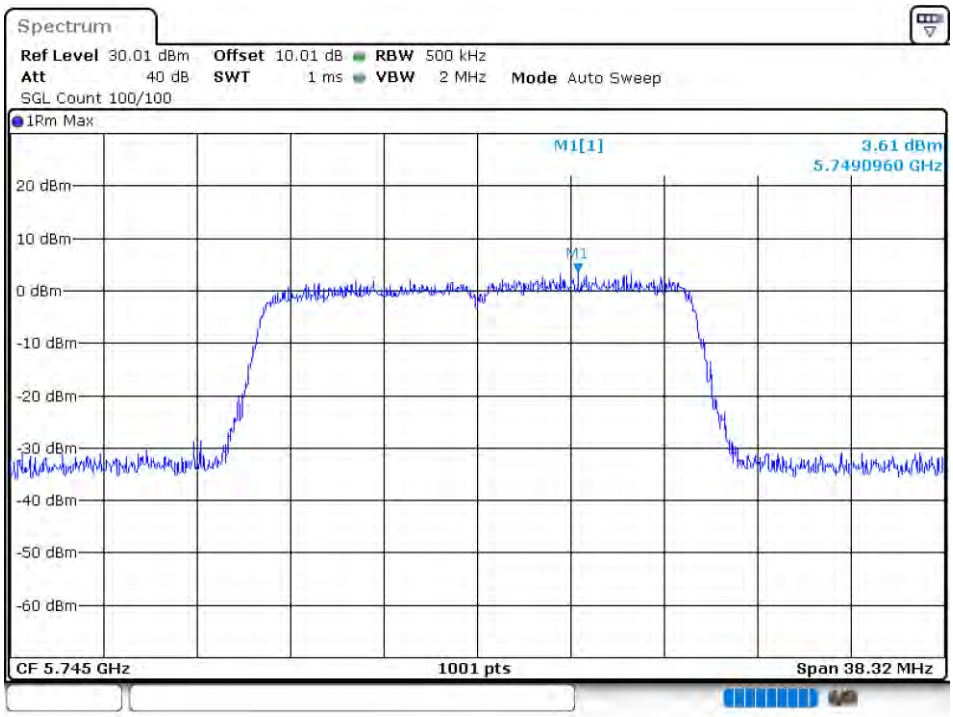
PSD NVNT 802.11ac80 5775MHz Ant 1



PSD NVNT 802.11ac80 5775MHz Ant 2



PSD NVNT 802.11n(HT20) 5745MHz Ant 1



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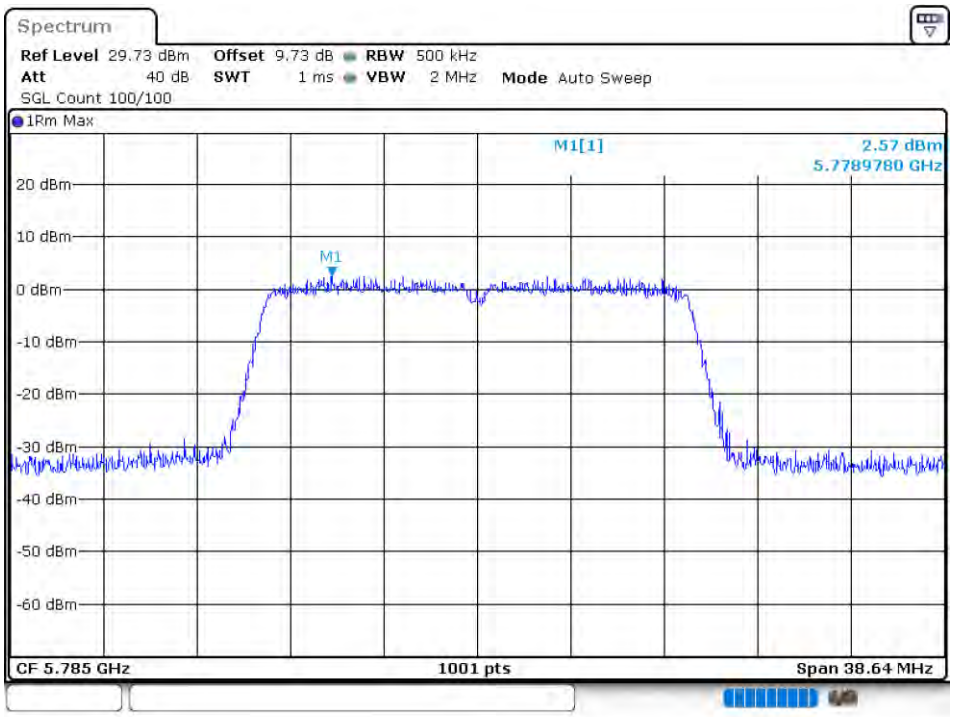

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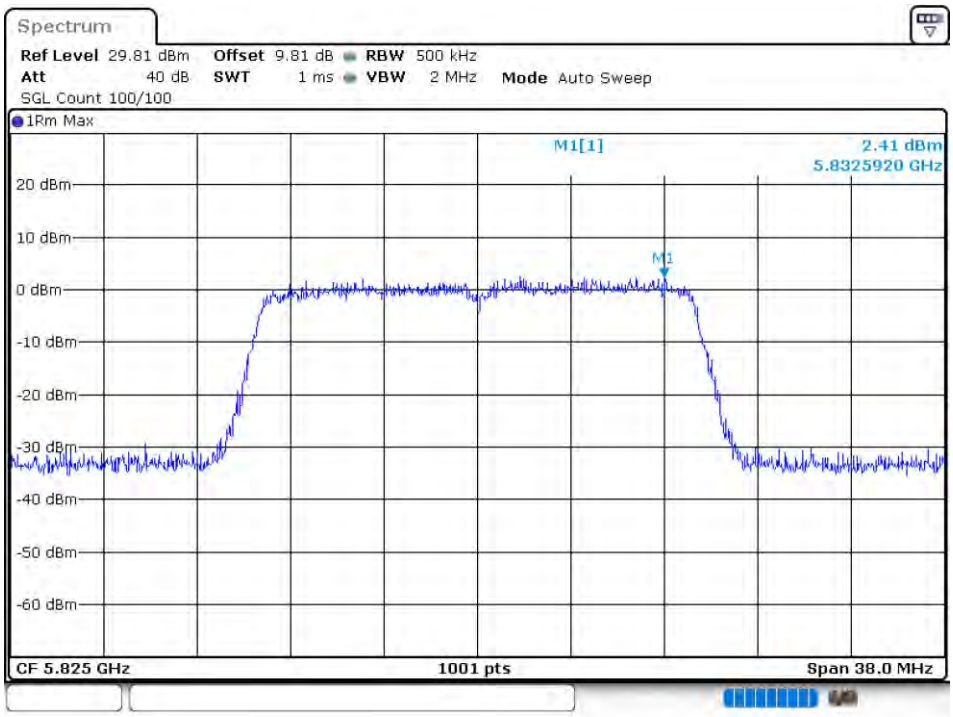
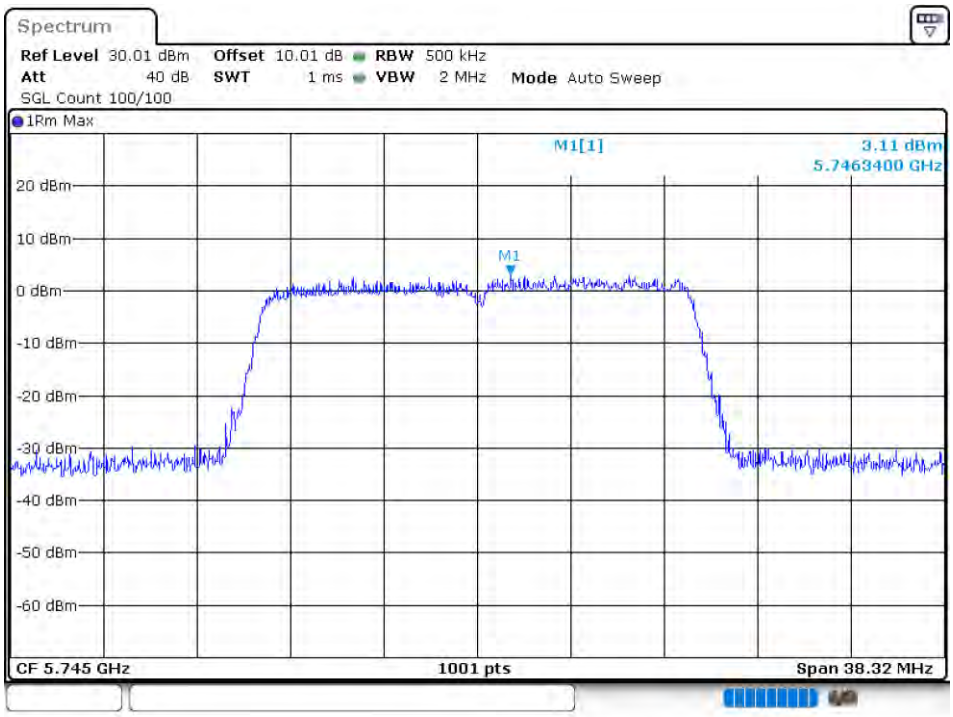
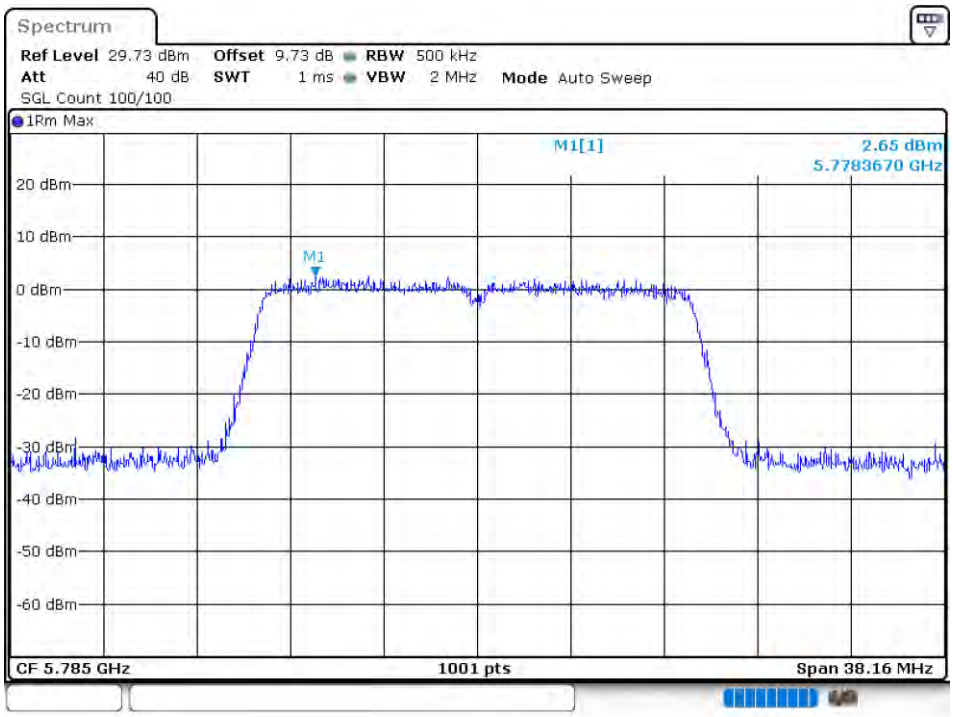


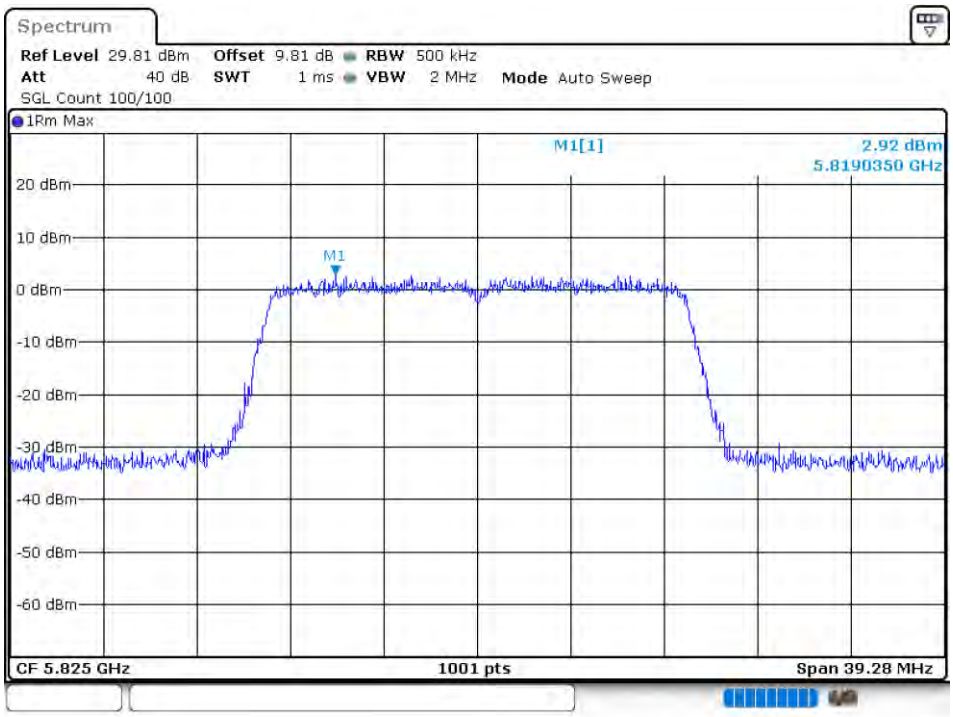
PSD NVNT 802.11n(HT20) 5745MHz Ant 2



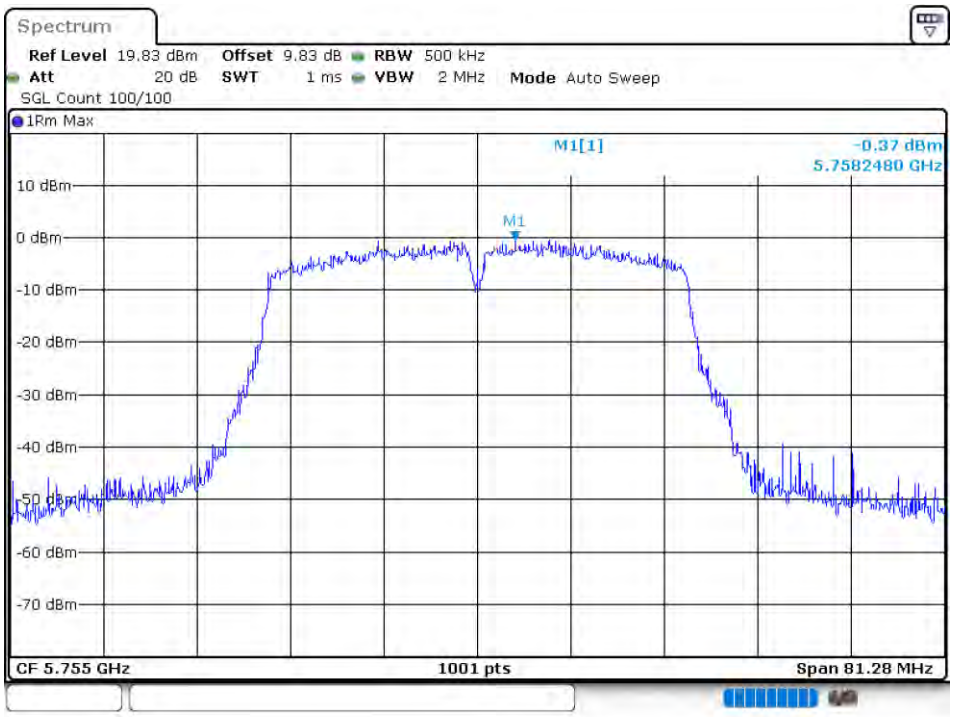
PSD NVNT 802.11n(HT20) 5785MHz Ant 2



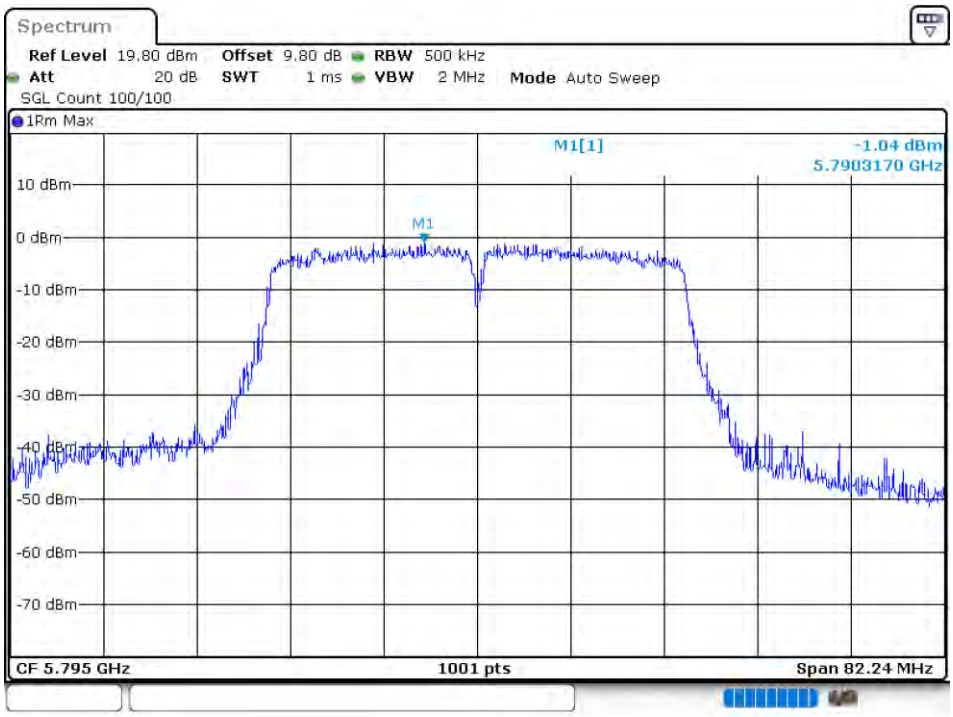
PSD NVNT 802.11n(HT20) 5825MHz Ant 2



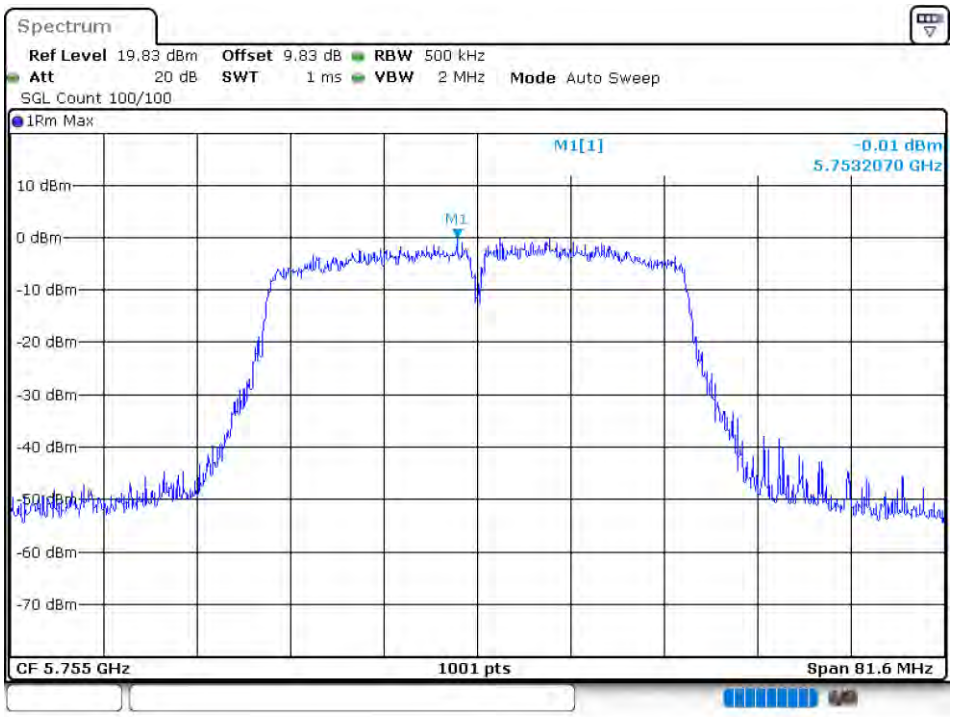
PSD NVNT 802.11n(HT40) 5755MHz Ant 1



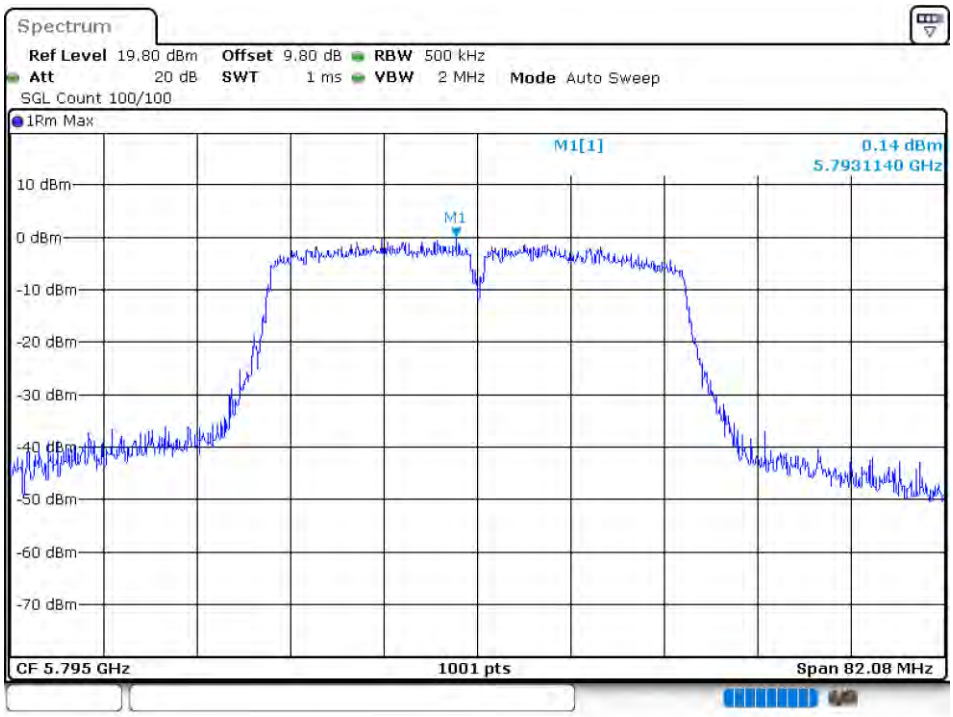
PSD NVNT 802.11n(HT40) 5795MHz Ant 1



PSD NVNT 802.11n(HT40) 5755MHz Ant 2



PSD NVNT 802.11n(HT40) 5795MHz Ant 2

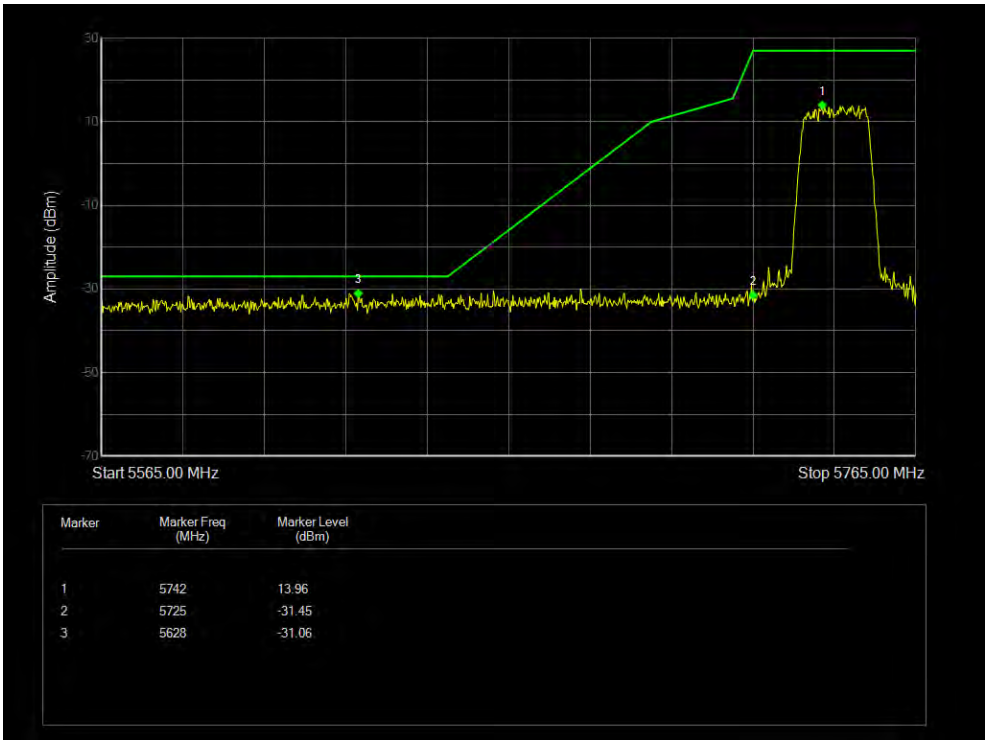


Band Edge

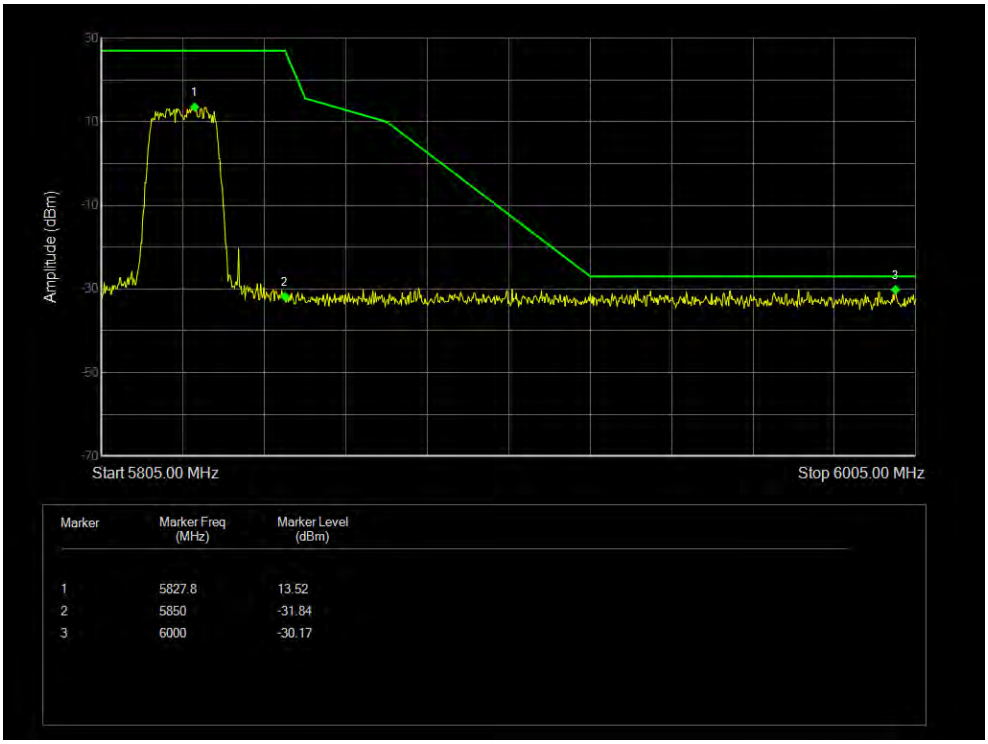
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-31.06	Pass
NVNT	802.11a	5825	Ant 1	-30.17	Pass
NVNT	802.11a	5745	Ant 2	-31.47	Pass
NVNT	802.11a	5825	Ant 2	-31.15	Pass
NVNT	802.11ac20	5745	Ant 1	-31.4	Pass

NVNT	802.11ac20	5825	Ant 1	-29.23	Pass
NVNT	802.11ac20	5745	Ant 2	-31.82	Pass
NVNT	802.11ac20	5825	Ant 2	-30.33	Pass
NVNT	802.11ac40	5755	Ant 1	-30.32	Pass
NVNT	802.11ac40	5795	Ant 1	-30.06	Pass
NVNT	802.11ac40	5755	Ant 2	-31.88	Pass
NVNT	802.11ac40	5795	Ant 2	-31.1	Pass
NVNT	802.11ac80	5775	Ant 1	-31.73	Pass
NVNT	802.11ac80	5775	Ant 1	-31.73	Pass
NVNT	802.11ac80	5775	Ant 2	-31.9	Pass
NVNT	802.11ac80	5775	Ant 2	-34.31	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-31.04	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-29.37	Pass
NVNT	802.11n(HT20)	5745	Ant 2	-31.78	Pass
NVNT	802.11n(HT20)	5825	Ant 2	-31.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-30.95	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-30.18	Pass
NVNT	802.11n(HT40)	5755	Ant 2	-32.75	Pass
NVNT	802.11n(HT40)	5795	Ant 2	-31.19	Pass

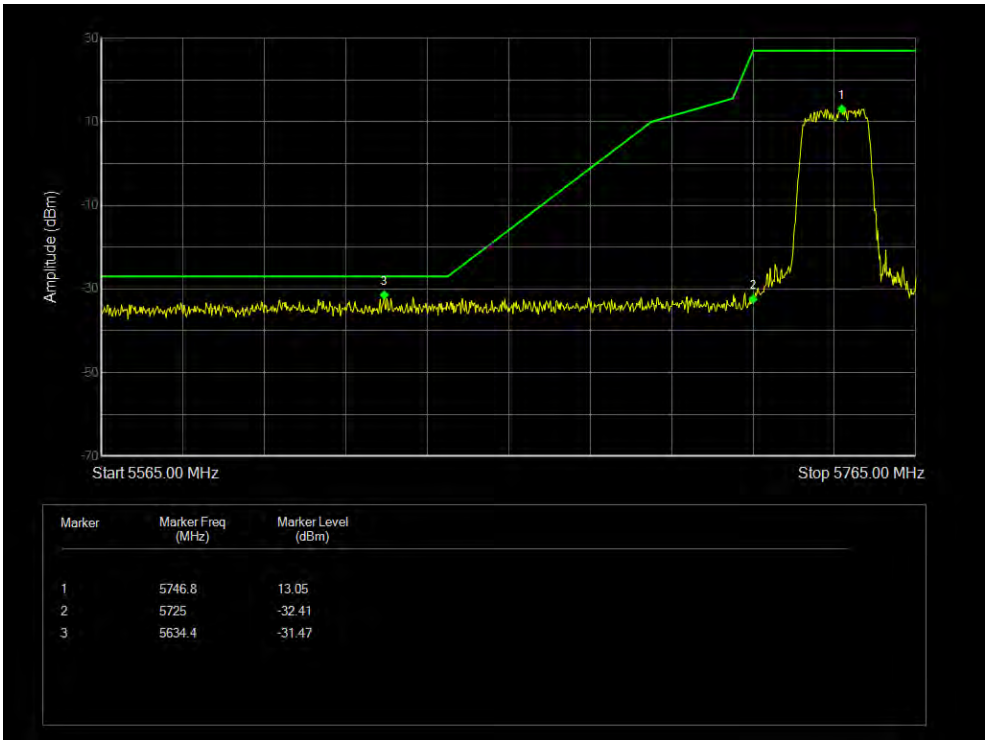
Band Edge NVNT 802.11a 5745MHz Low Ant 1



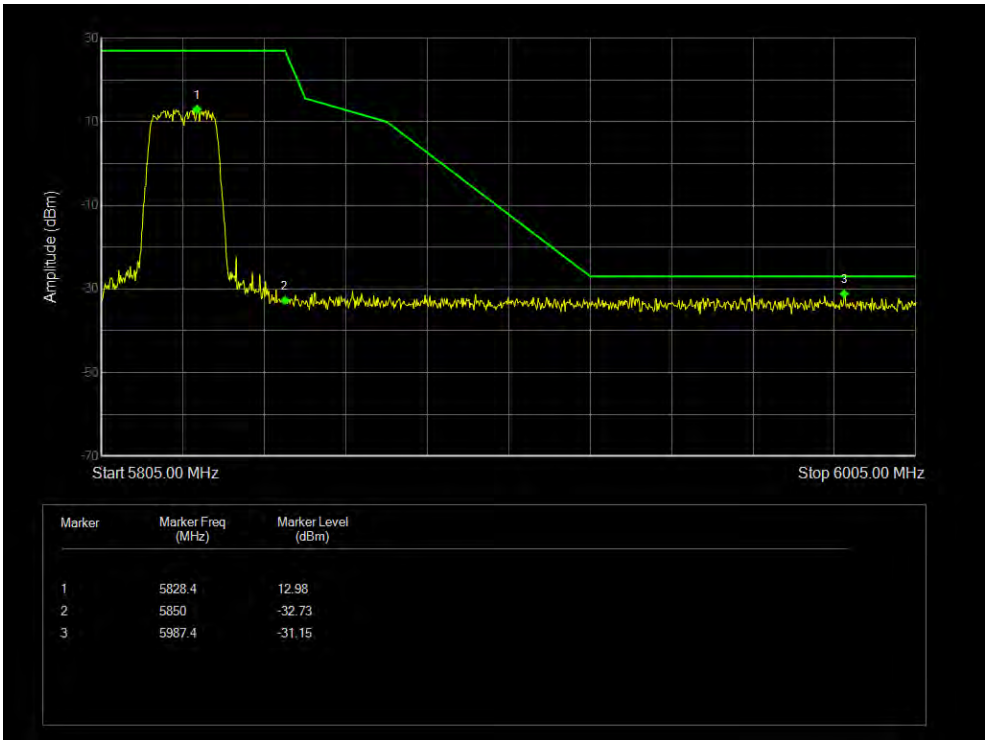
Band Edge NVNT 802.11a 5825MHz High Ant 1



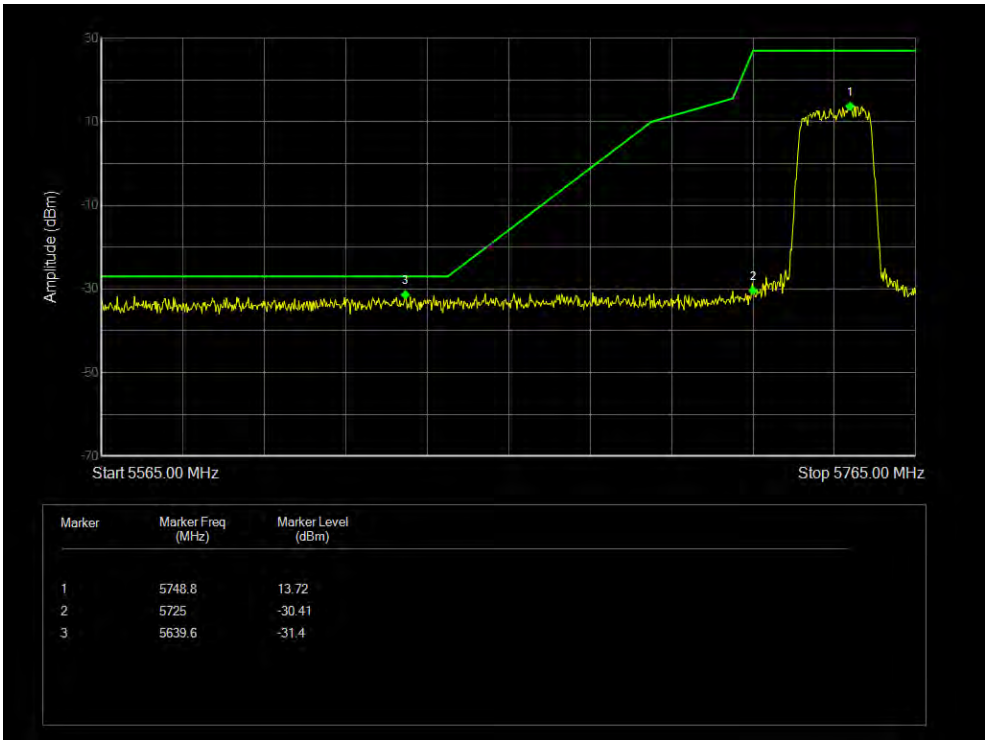
Band Edge NVNT 802.11a 5745MHz Low Ant 2



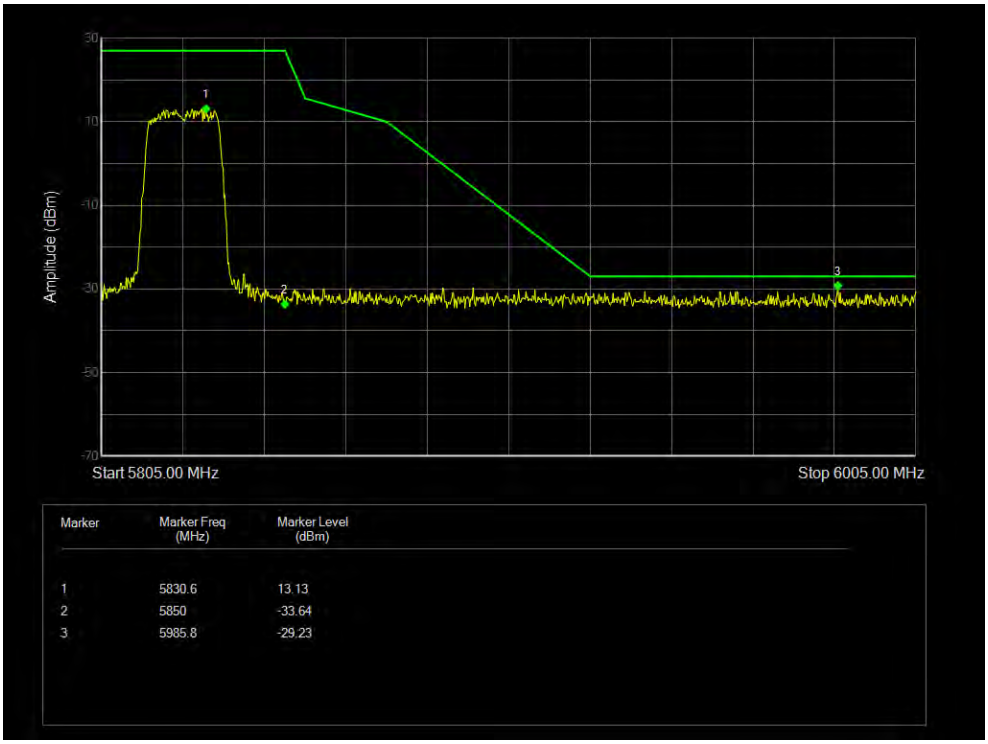
Band Edge NVNT 802.11a 5825MHz High Ant 2



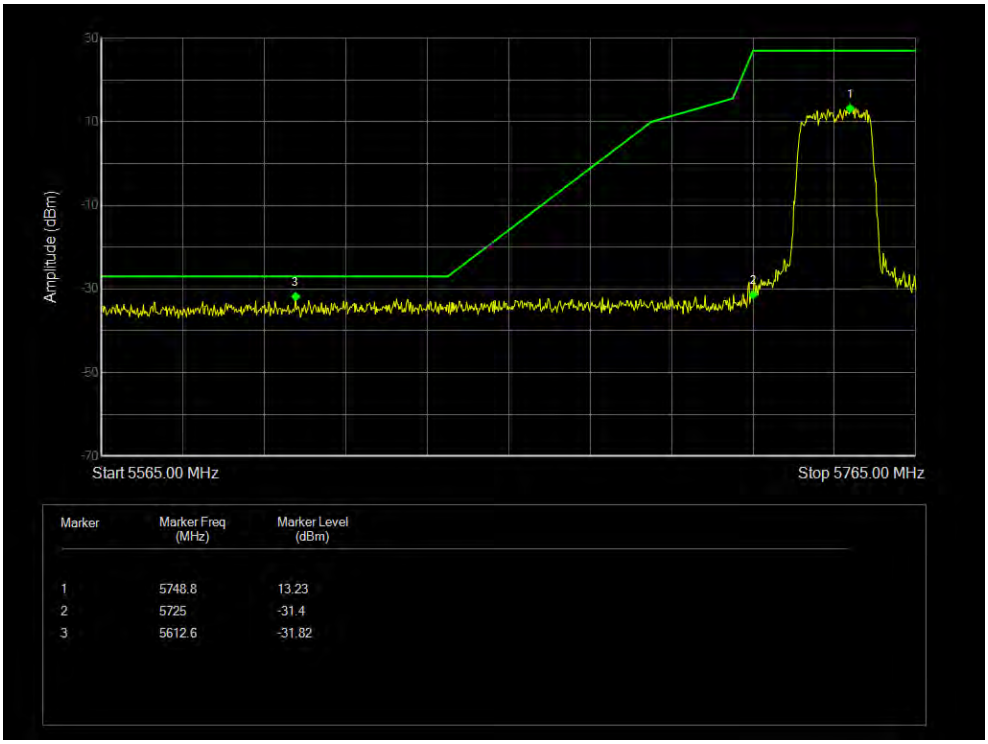
Band Edge NVNT 802.11ac20 5745MHz Low Ant 1



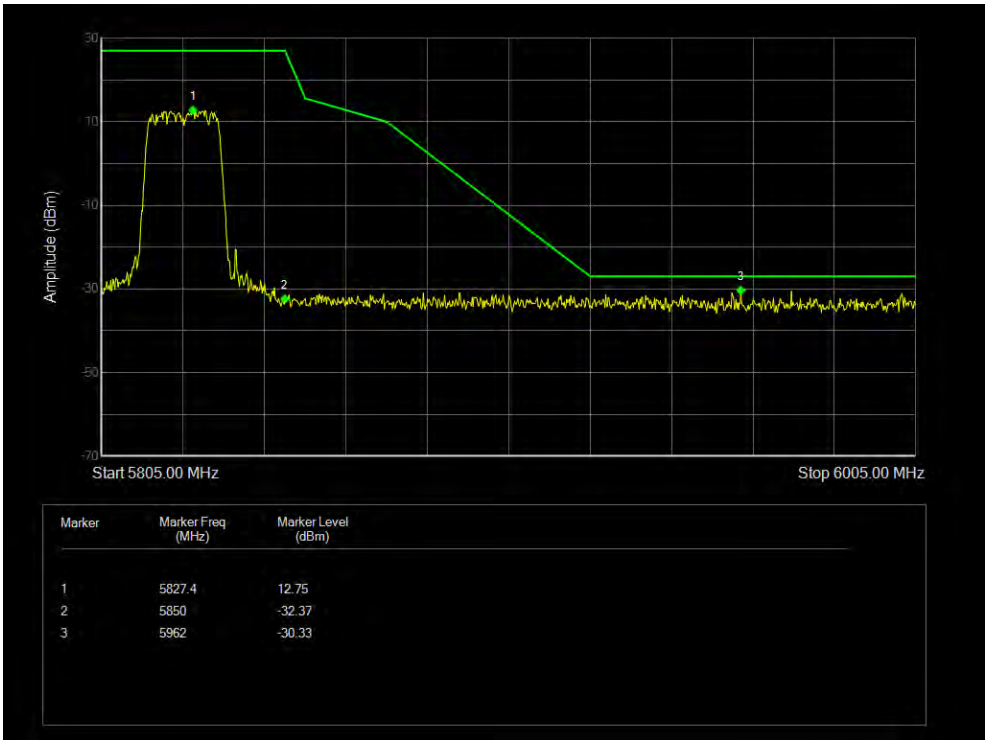
Band Edge NVNT 802.11ac20 5825MHz High Ant 1



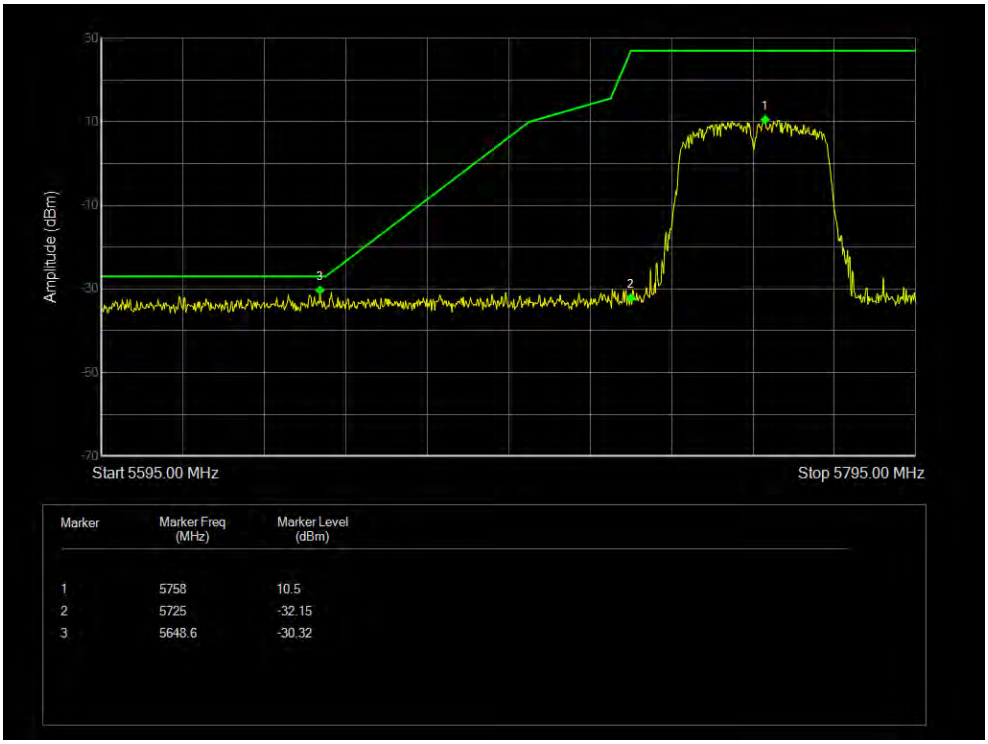
Band Edge NVNT 802.11ac20 5745MHz Low Ant 2



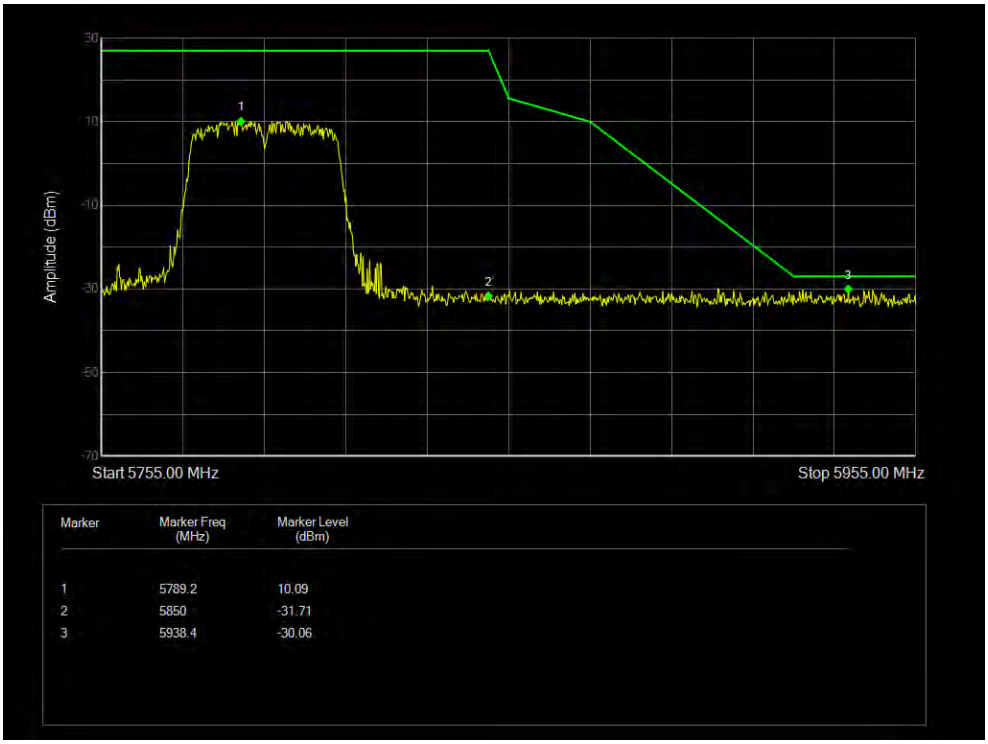
Band Edge NVNT 802.11ac20 5825MHz High Ant 2



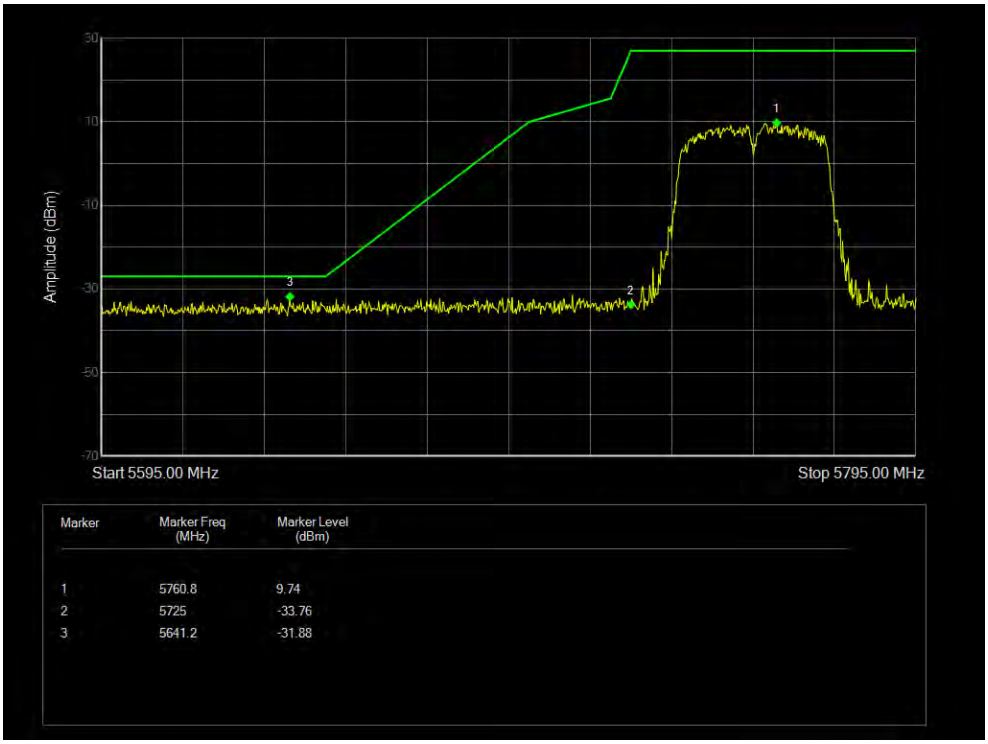
Band Edge NVNT 802.11ac40 5755MHz Low Ant 1



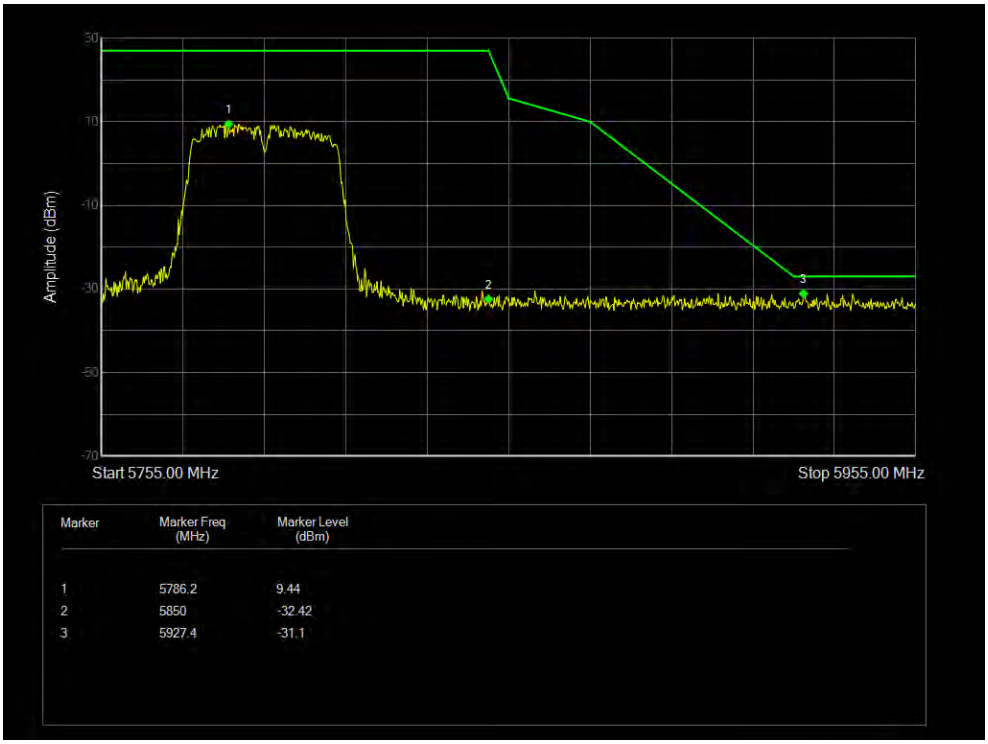
Band Edge NVNT 802.11ac40 5795MHz High Ant 1



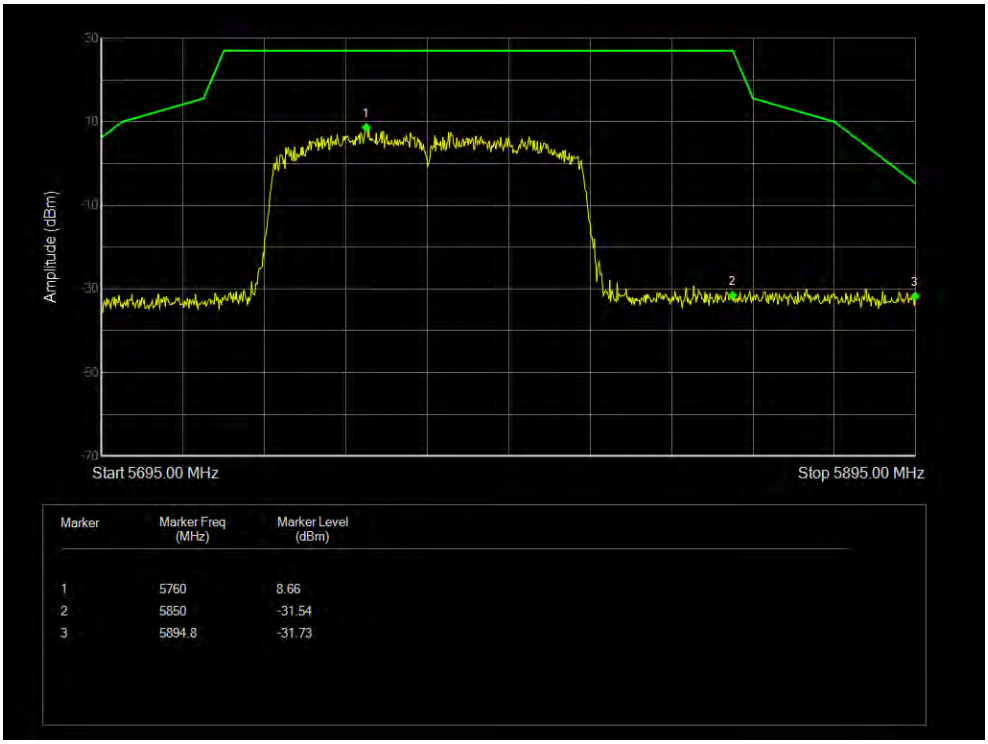
Band Edge NVNT 802.11ac40 5755MHz Low Ant 2



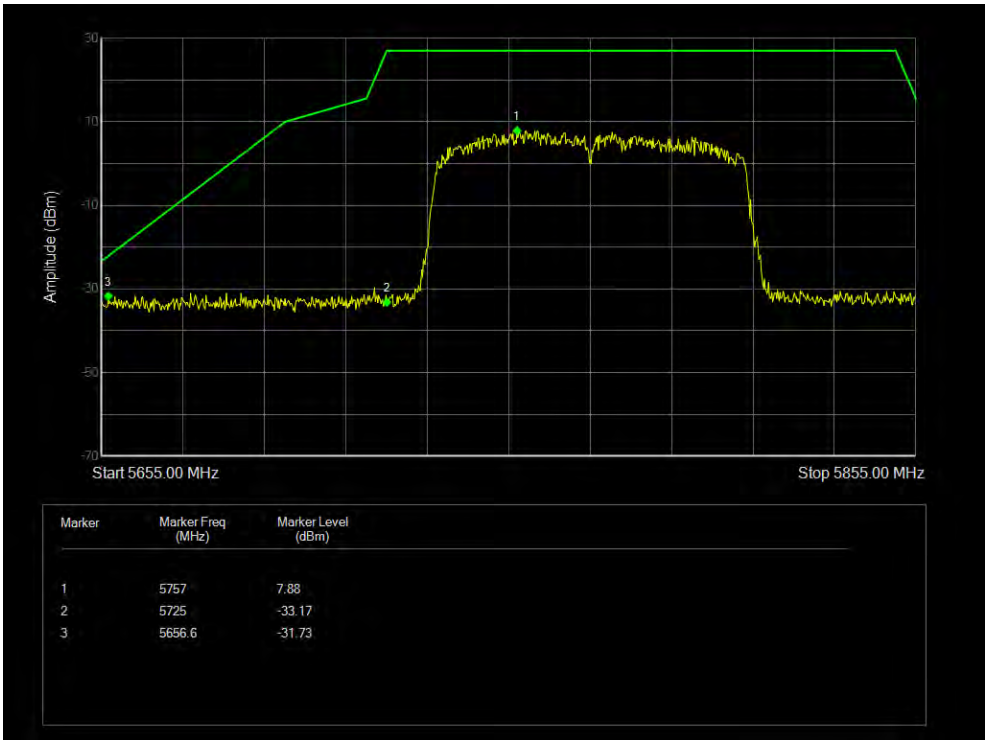
Band Edge NVNT 802.11ac40 5795MHz High Ant 2



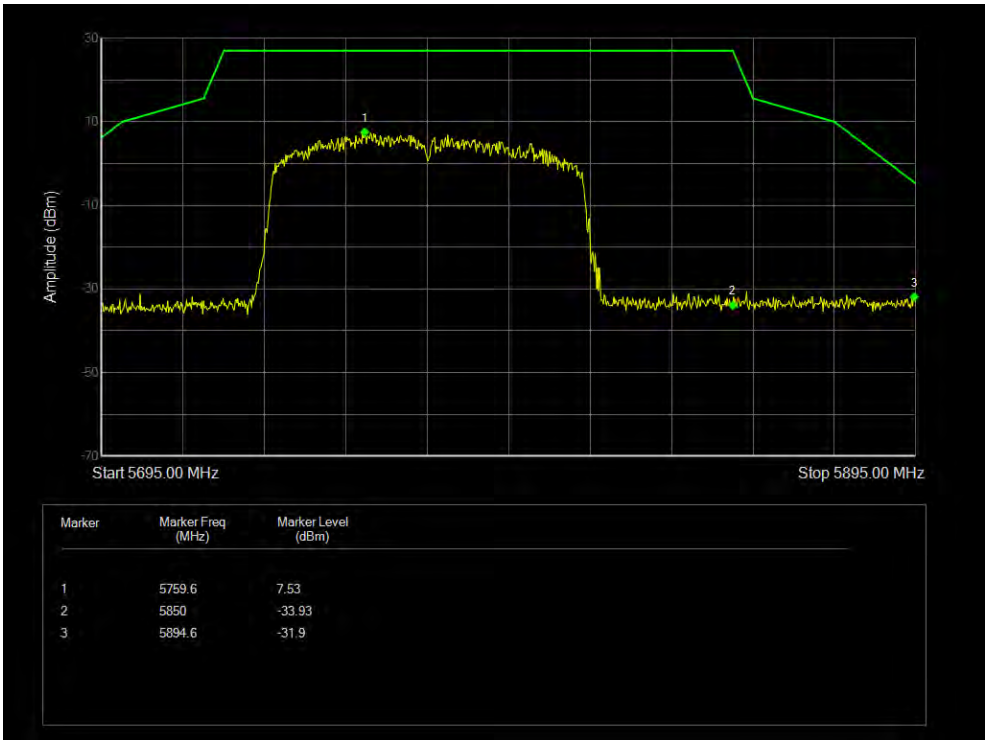
Band Edge NVNT 802.11ac80 5775MHz High Ant 1



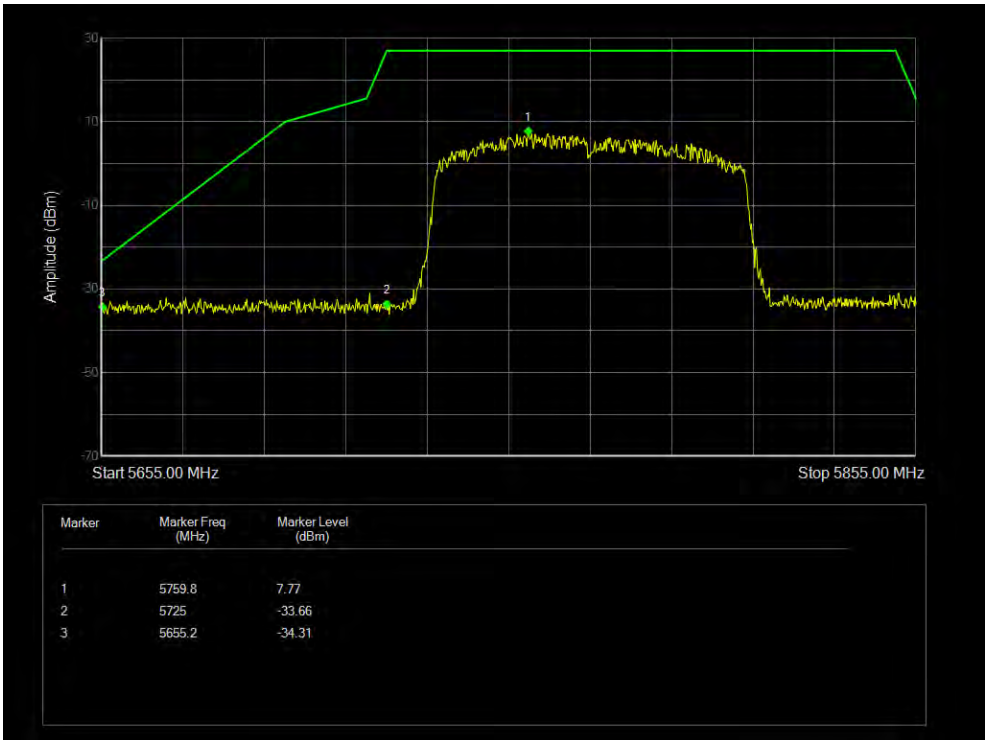
Band Edge NVNT 802.11ac80 5775MHz Low Ant 1



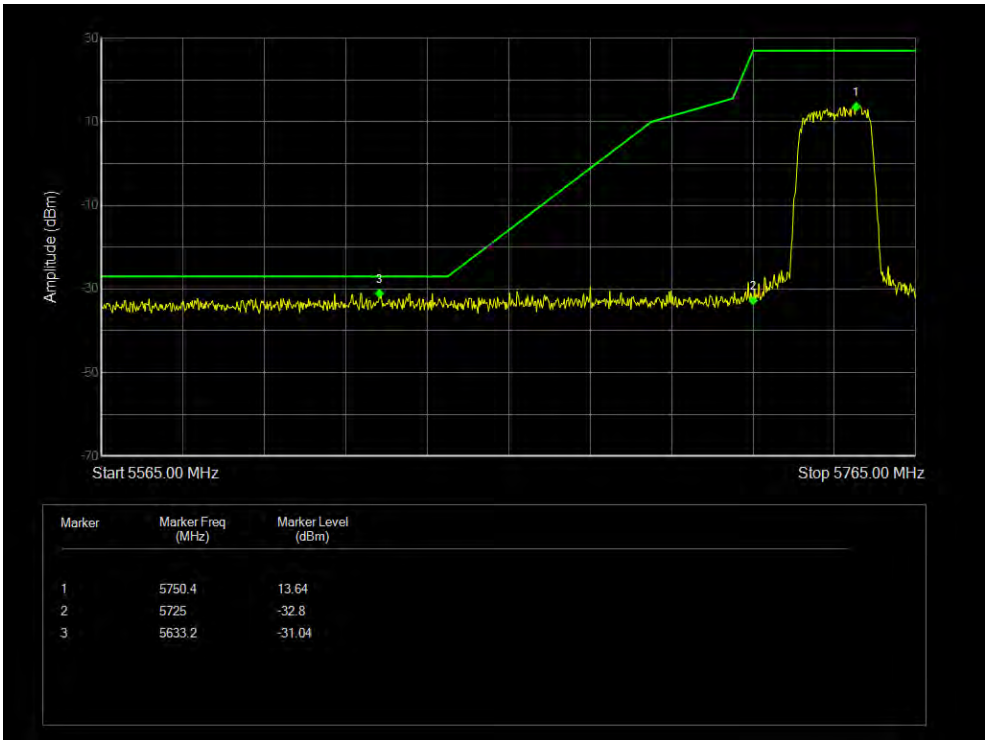
Band Edge NVNT 802.11ac80 5775MHz High Ant 2



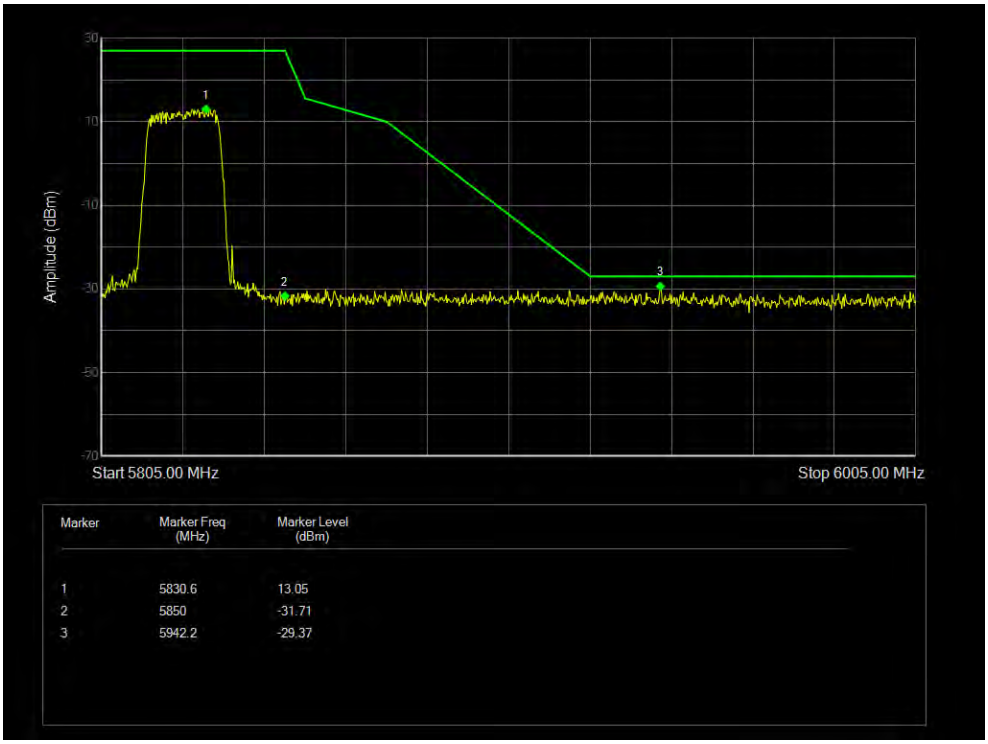
Band Edge NVNT 802.11ac80 5775MHz Low Ant 2



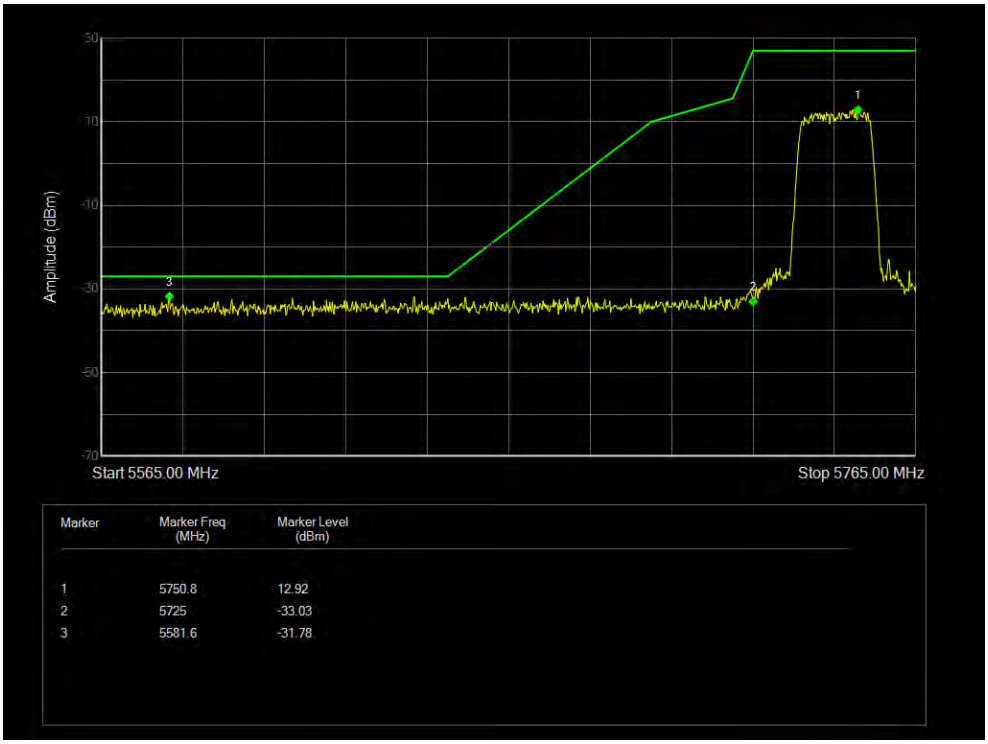
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant 1



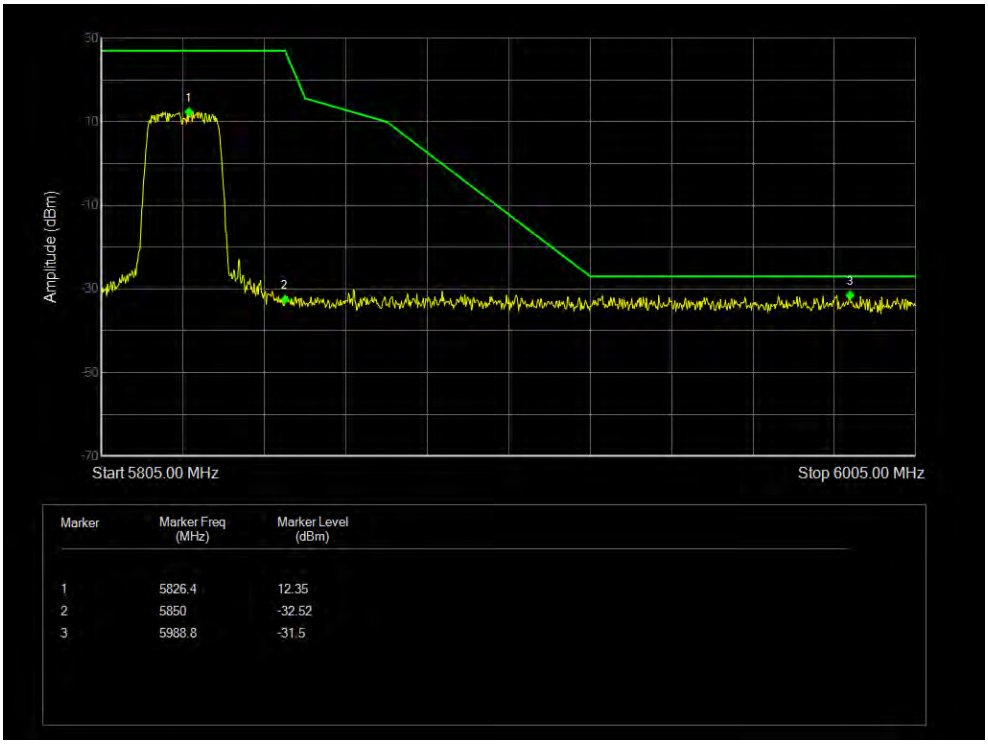
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant 1



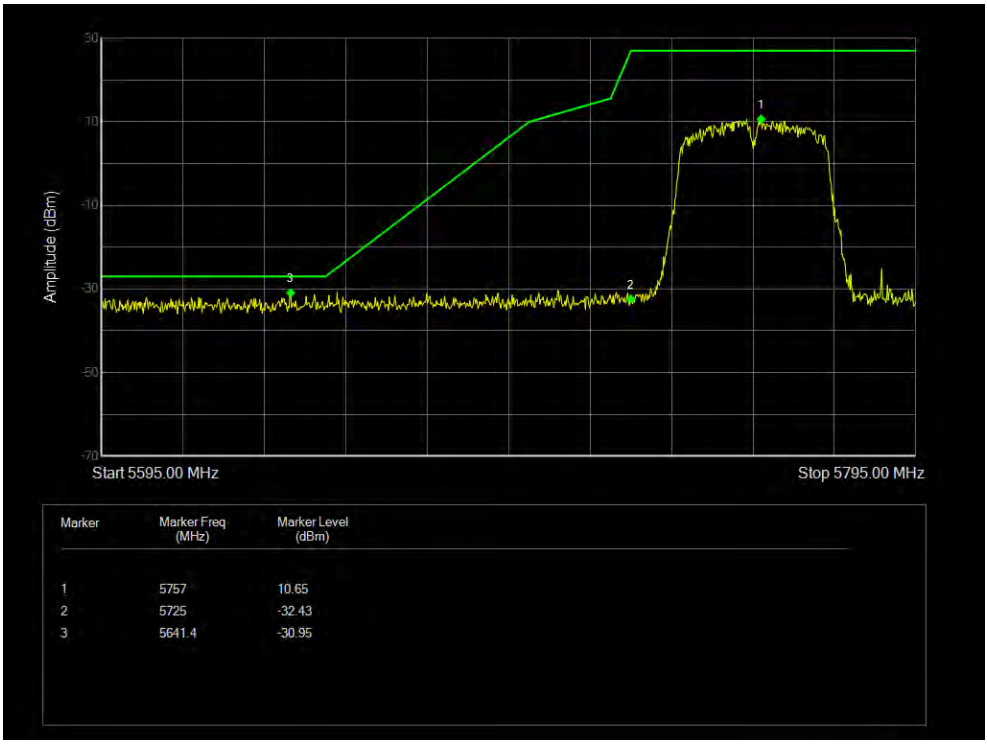
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant 2



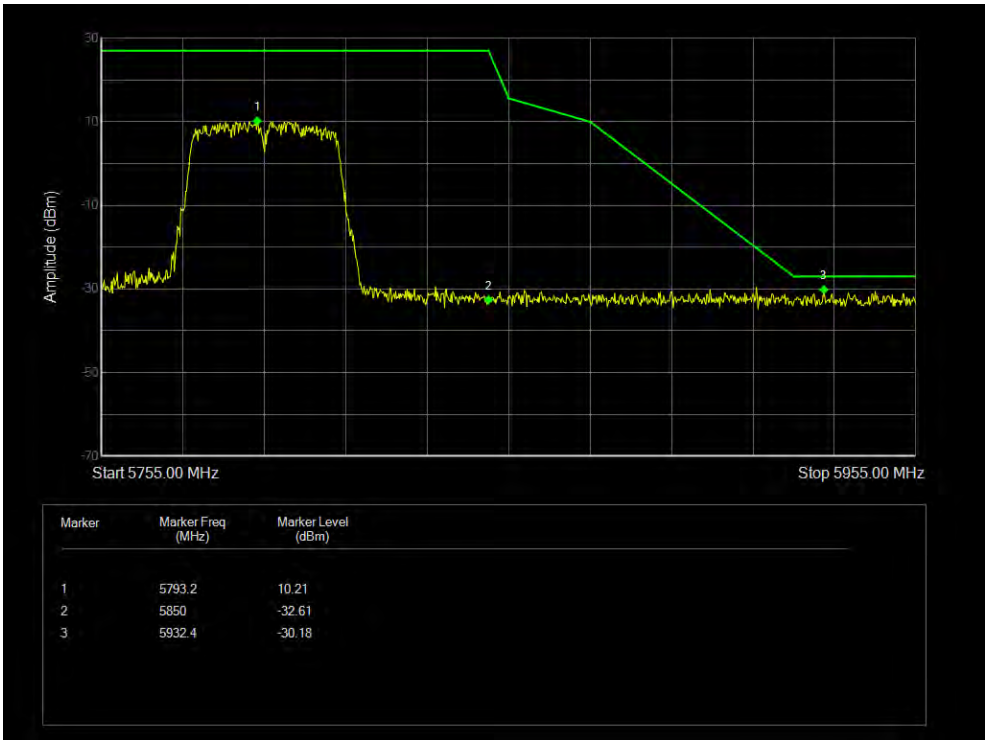
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant 2



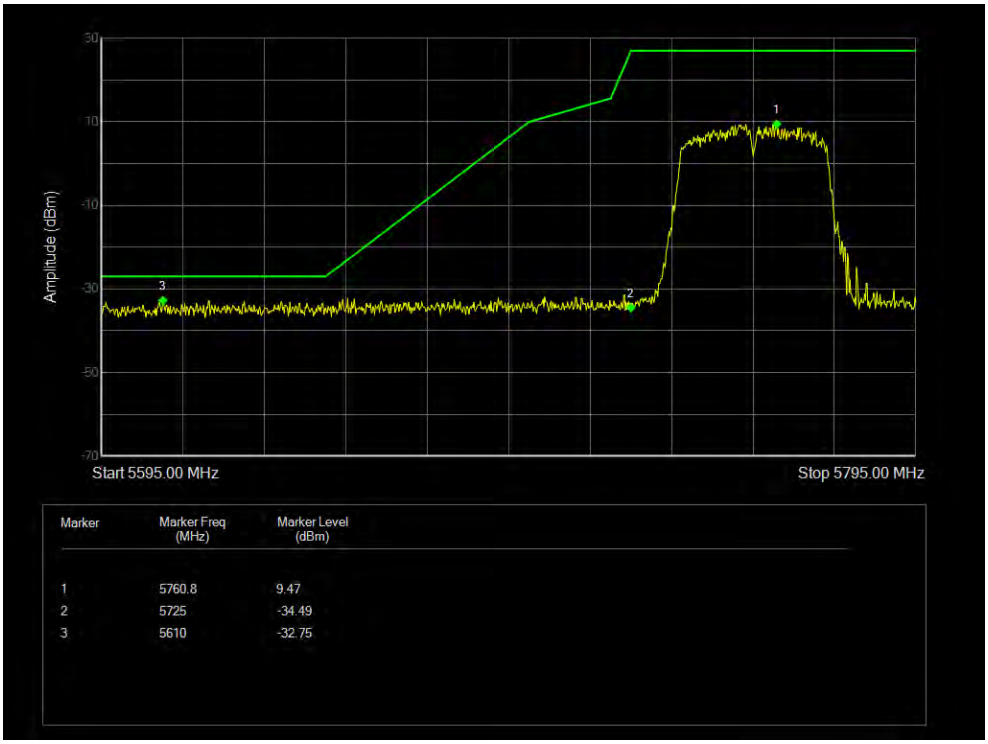
Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant 1



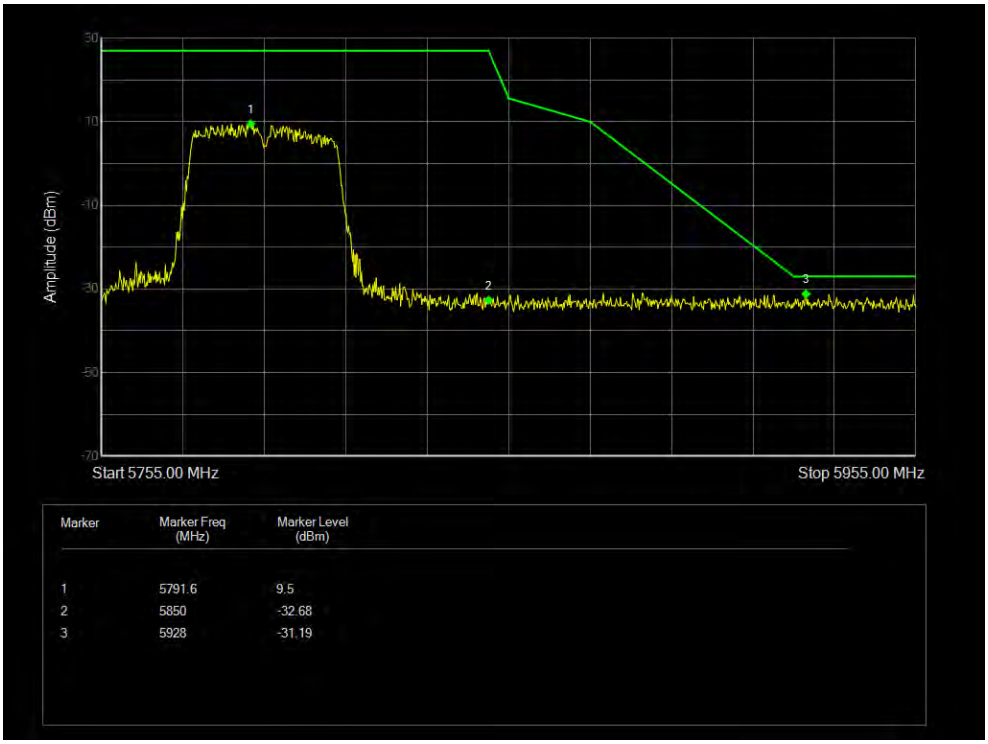
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant 1



Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant 2



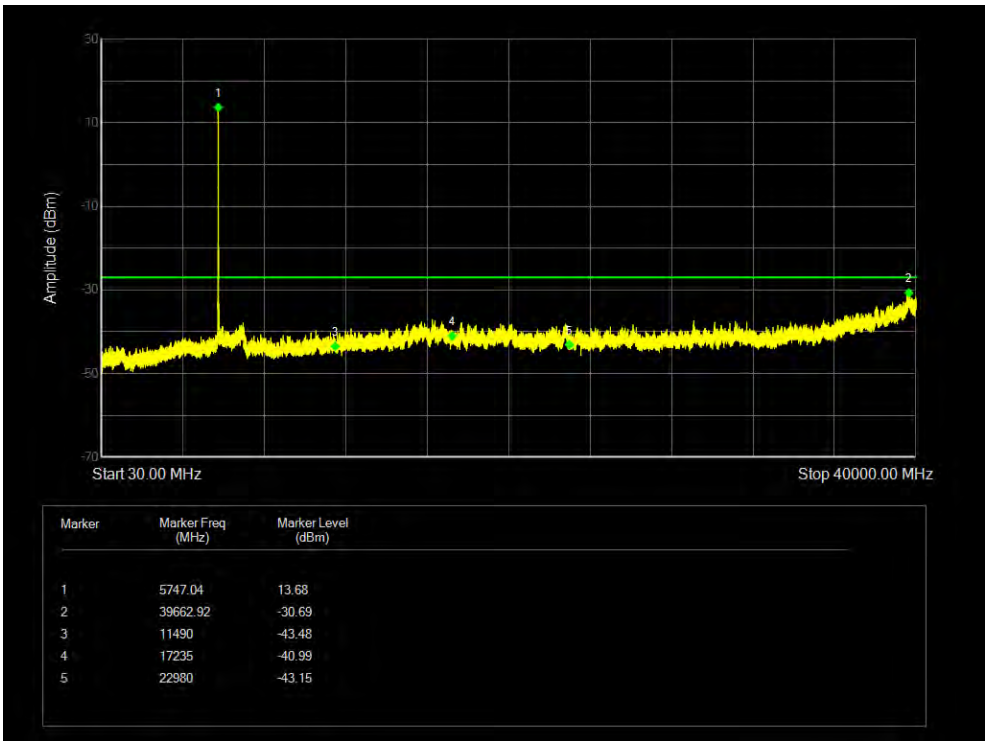
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant 2


30
10
-10
-30
-50
-70
Amplitude (dBm)
1
2
3
Start 5755.00 MHz
Stop 5955.00 MHz
Marker
Marker Freq (MHz)
Marker Level (dBm)
1 5791.6 9.5
2 5850 -32.68
3 5928 -31.19

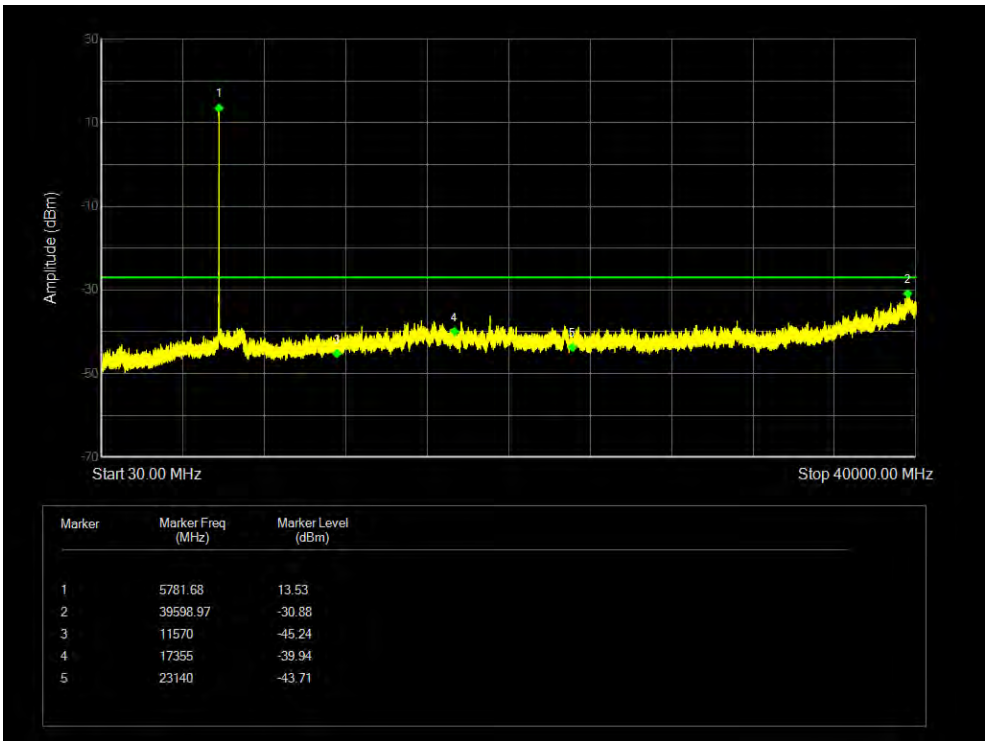
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 1	-30.69	-27	Pass
NVNT	802.11a	5785	Ant 1	-30.88	-27	Pass
NVNT	802.11a	5825	Ant 1	-31.33	-27	Pass
NVNT	802.11a	5745	Ant 2	-31.55	-27	Pass
NVNT	802.11a	5785	Ant 2	-31.81	-27	Pass
NVNT	802.11a	5825	Ant 2	-32.3	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-30.31	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-31.12	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-31.41	-27	Pass
NVNT	802.11ac20	5745	Ant 2	-32.14	-27	Pass
NVNT	802.11ac20	5785	Ant 2	-31.52	-27	Pass
NVNT	802.11ac20	5825	Ant 2	-32.15	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-31.3	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-31.15	-27	Pass
NVNT	802.11ac40	5755	Ant 2	-32.22	-27	Pass
NVNT	802.11ac40	5795	Ant 2	-31.93	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-30.88	-27	Pass
NVNT	802.11ac80	5775	Ant 2	-32.25	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-31.32	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-30.91	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-31.53	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 2	-32.23	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 2	-31.53	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 2	-31.85	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-31.11	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-31.22	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 2	-31.88	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 2	-32	-27	Pass

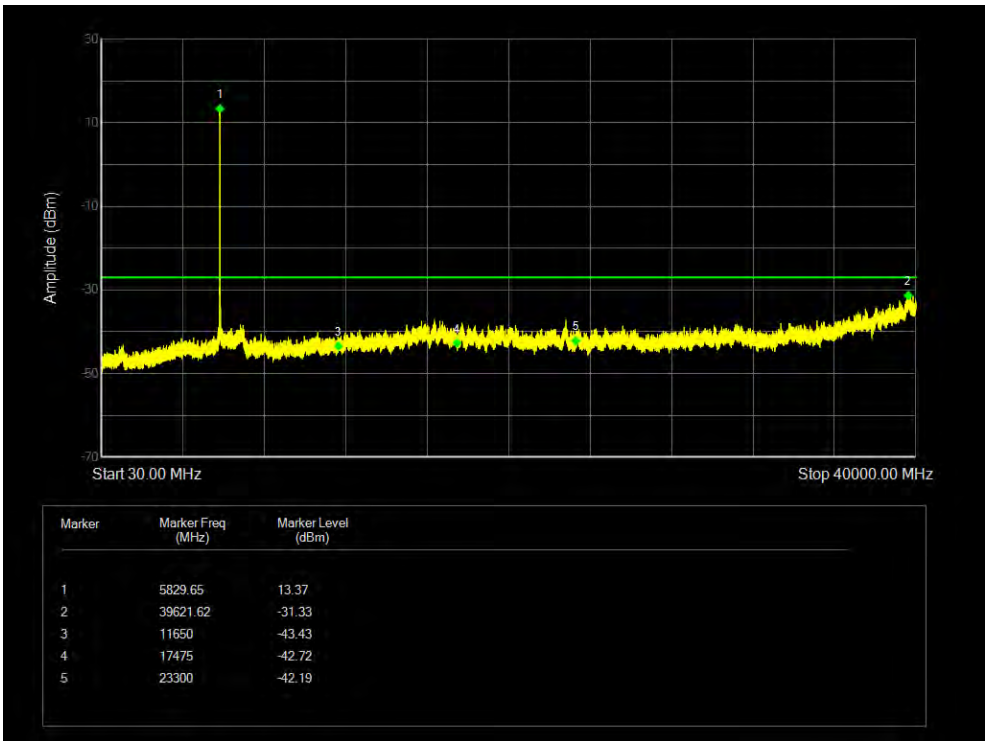
Tx. Spurious NVNT 802.11a 5745MHz Ant 1 Emission



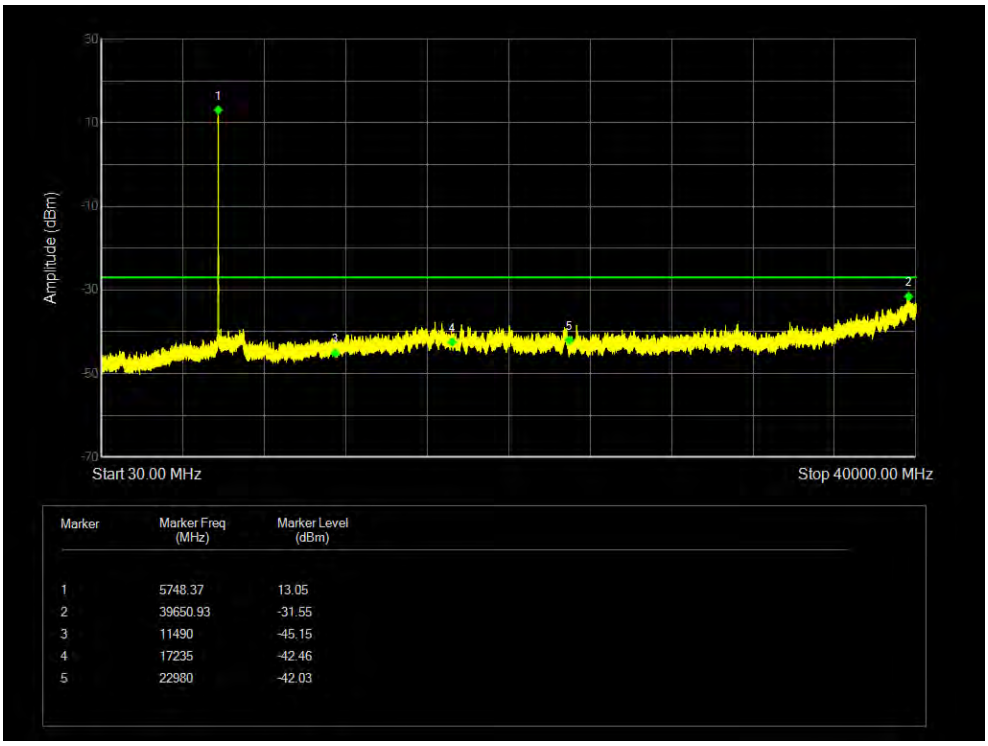
Tx. Spurious NVNT 802.11a 5785MHz Ant 1 Emission



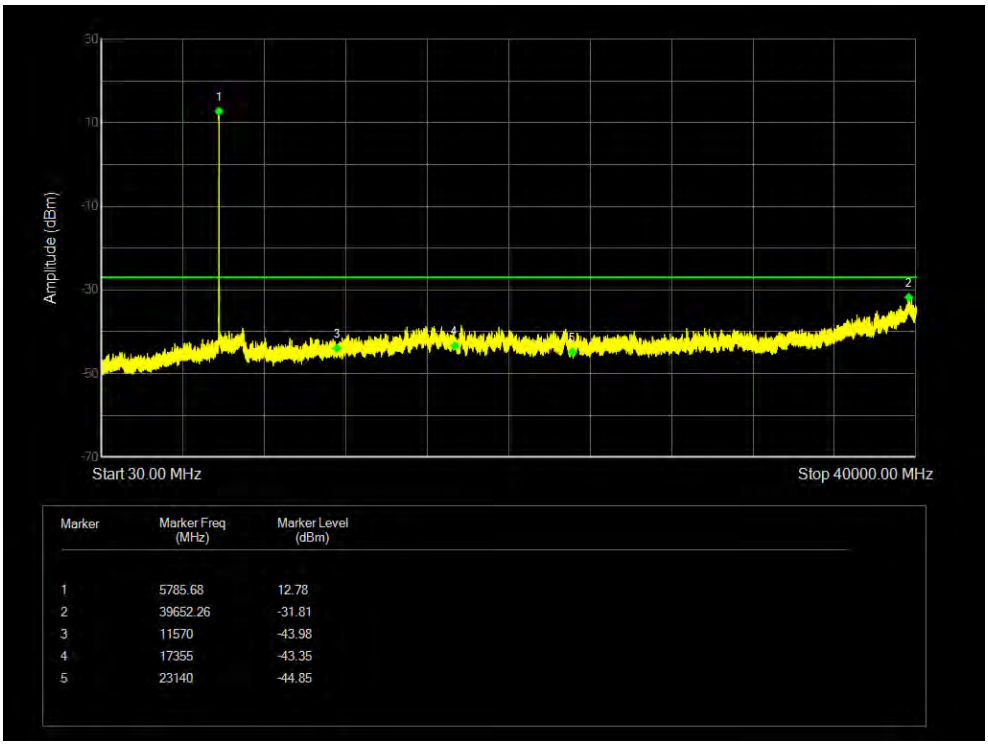
Tx. Spurious NVNT 802.11a 5825MHz Ant 1 Emission



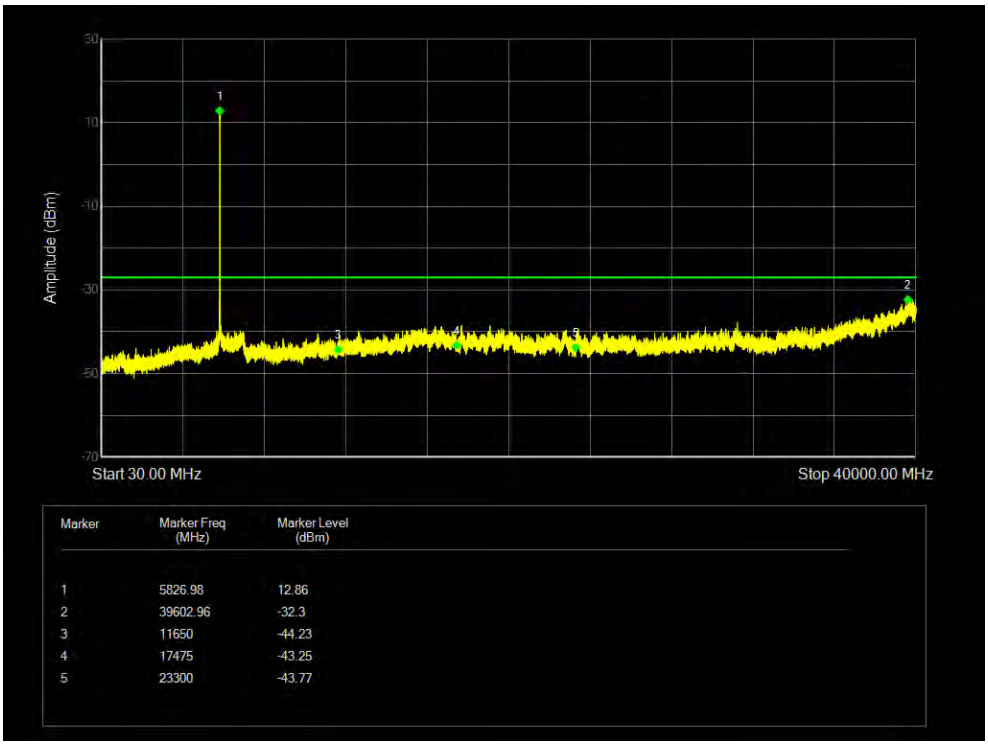
Tx. Spurious NVNT 802.11a 5745MHz Ant 2 Emission



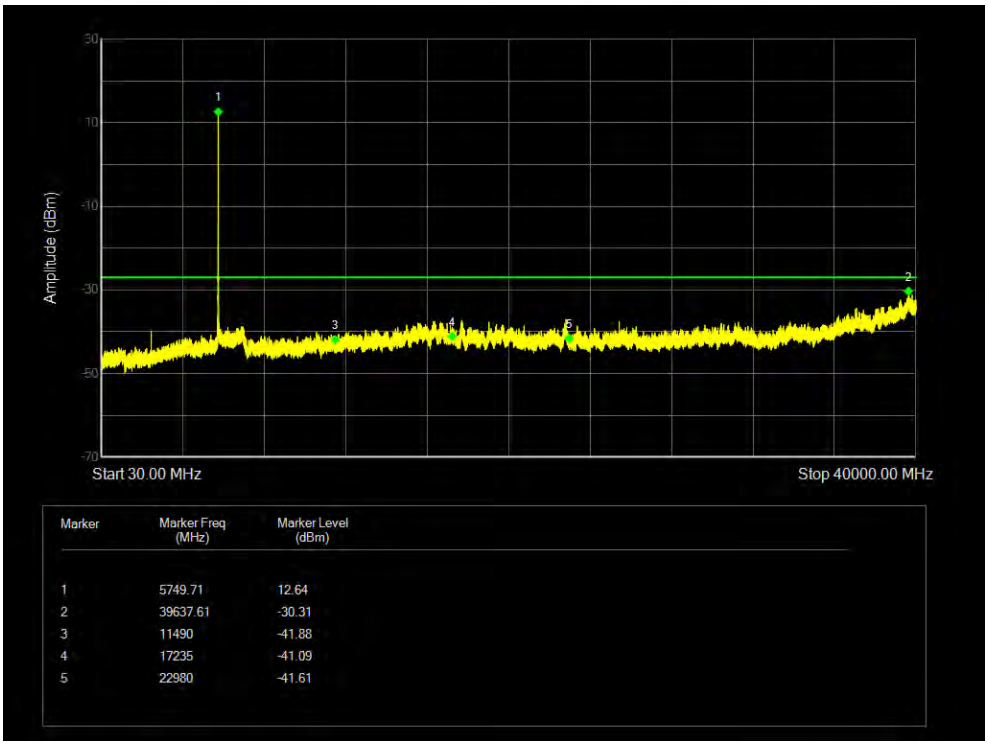
Tx. Spurious NVNT 802.11a 5785MHz Ant 2 Emission



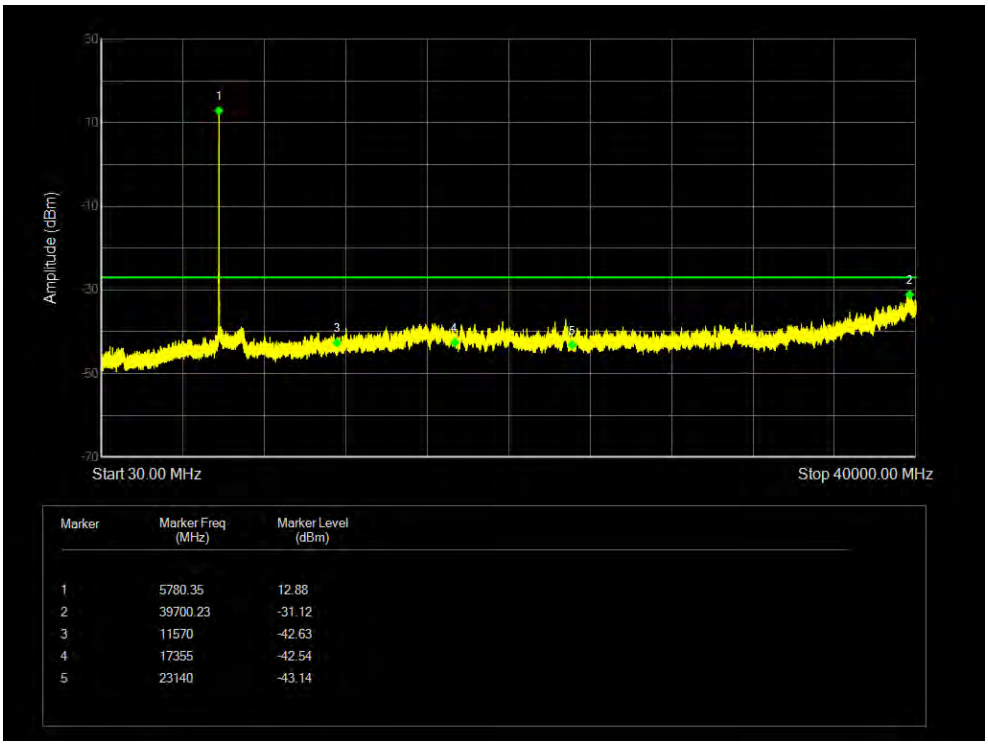
Tx. Spurious NVNT 802.11a 5825MHz Ant 2 Emission



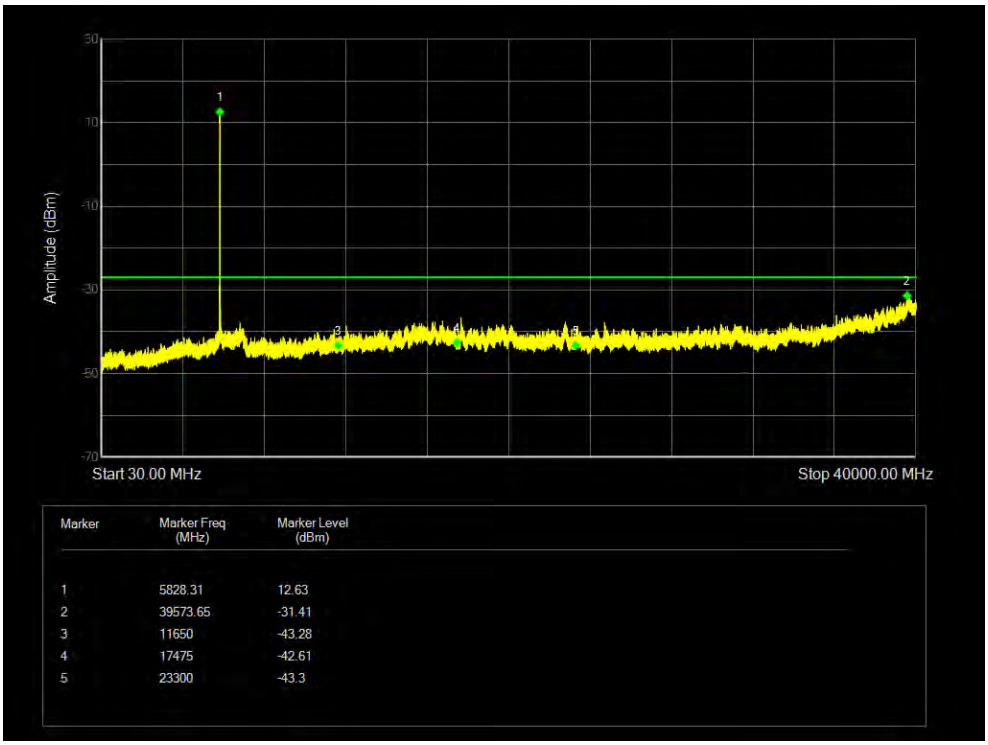
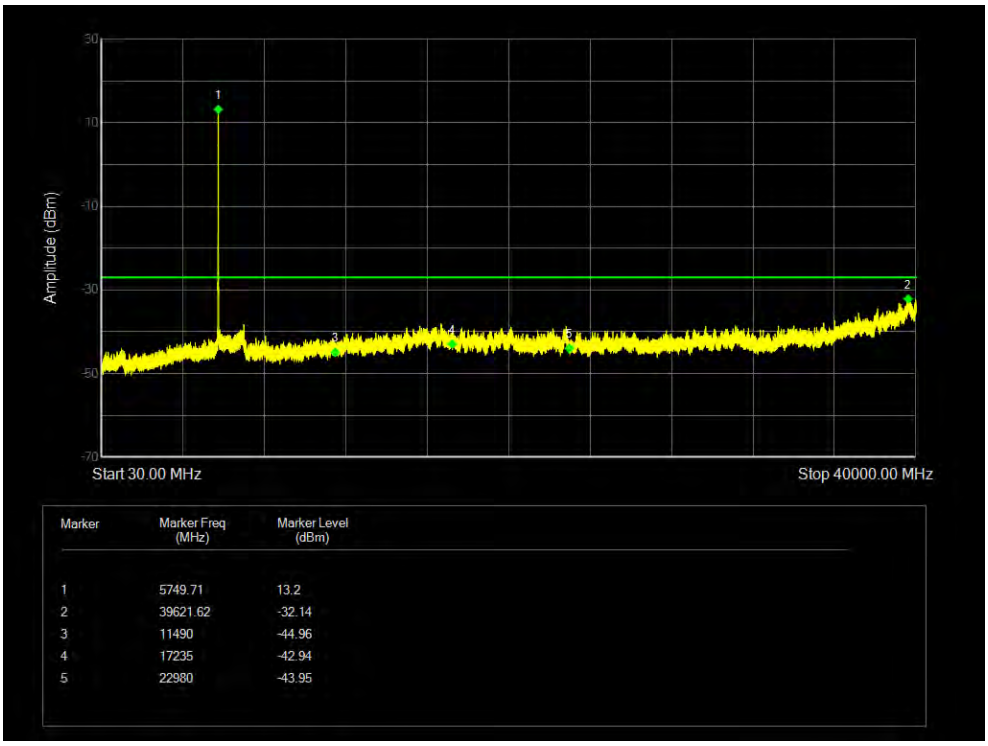
Tx. Spurious NVNT 802.11ac20 5745MHz Ant 1 Emission



Tx. Spurious NVNT 802.11ac20 5785MHz Ant 1 Emission



Tx. Spurious NVNT 802.11ac20 5825MHz Ant 1 Emission



Tx. Spurious NVNT 802.11ac20 5745MHz Ant 2 Emission