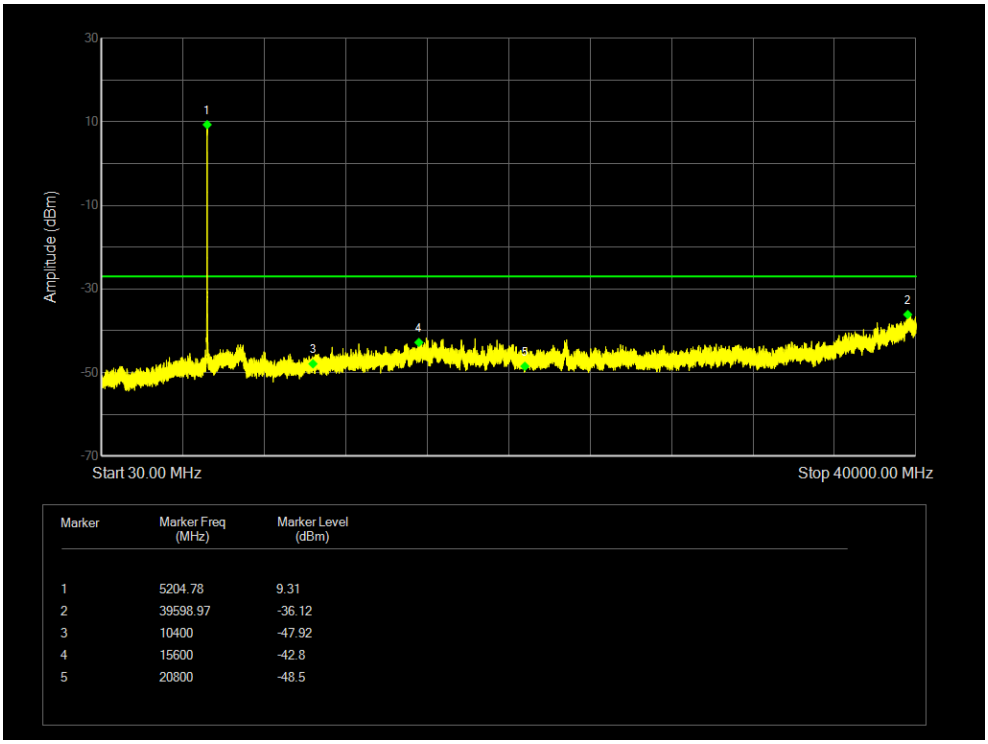
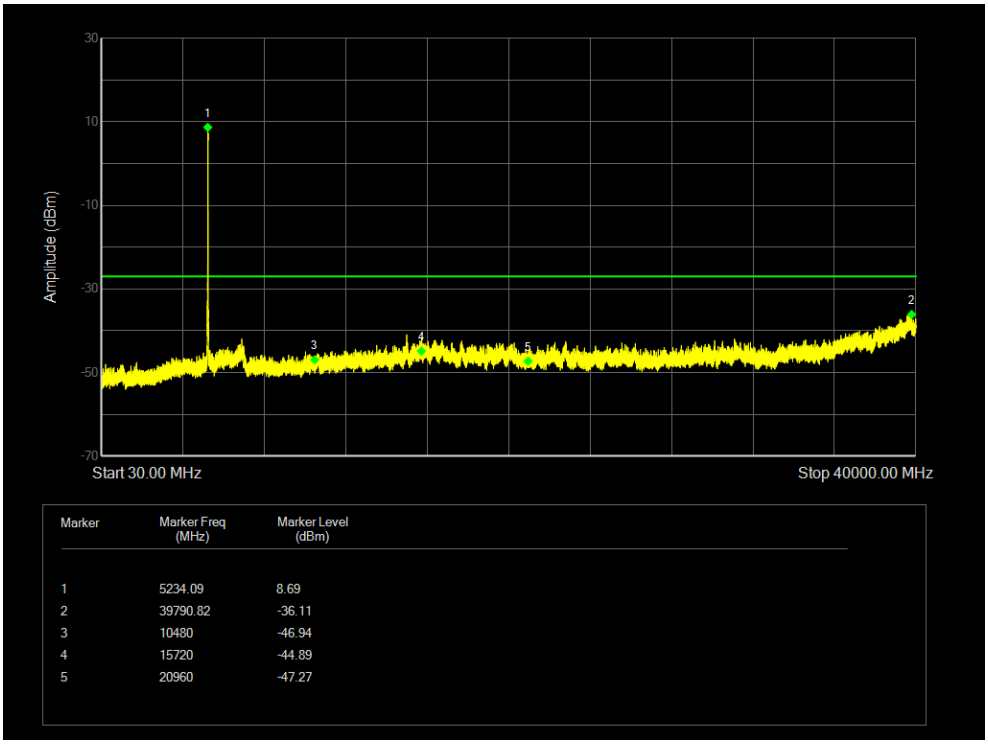


Tx. Spurious NVNT 802.11a 5240MHz Ant 1 Emission



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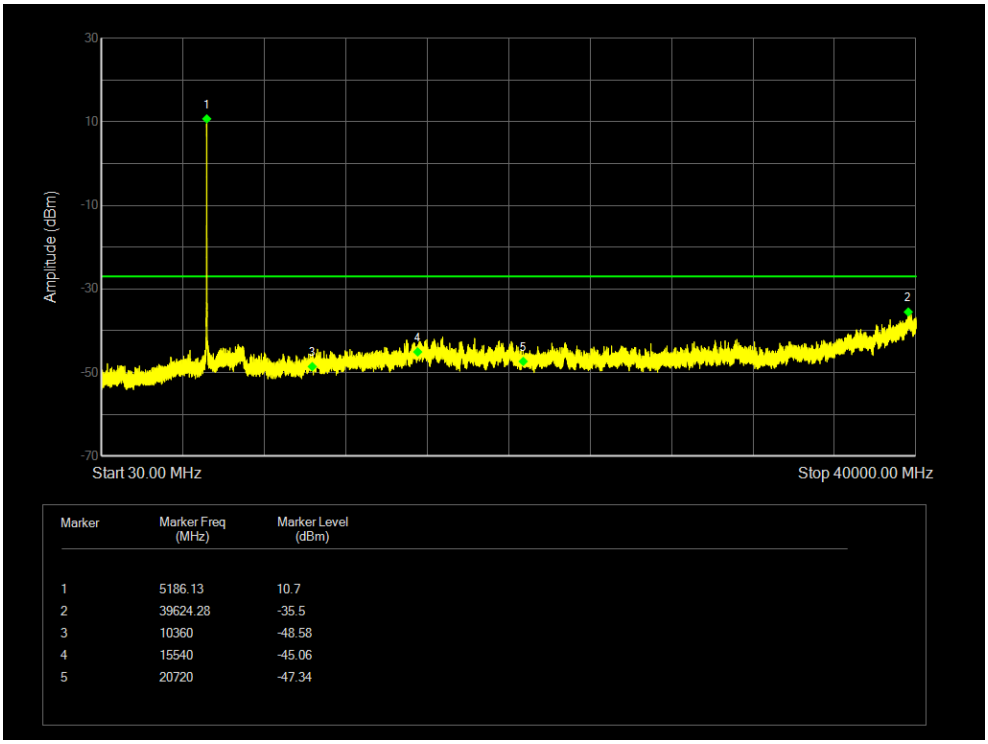

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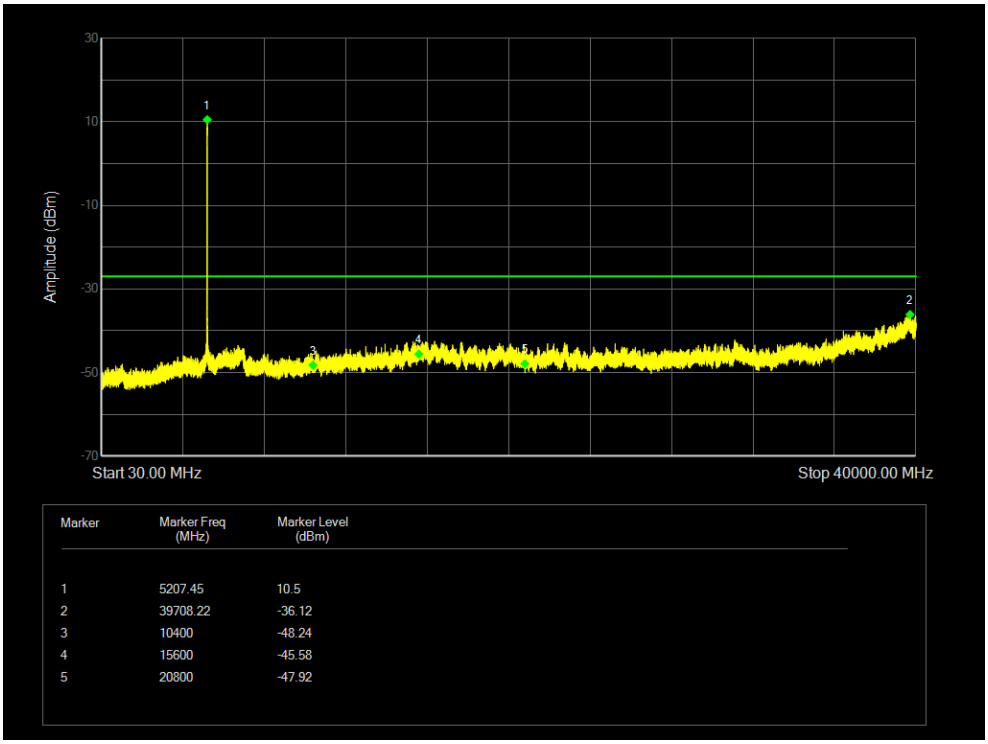

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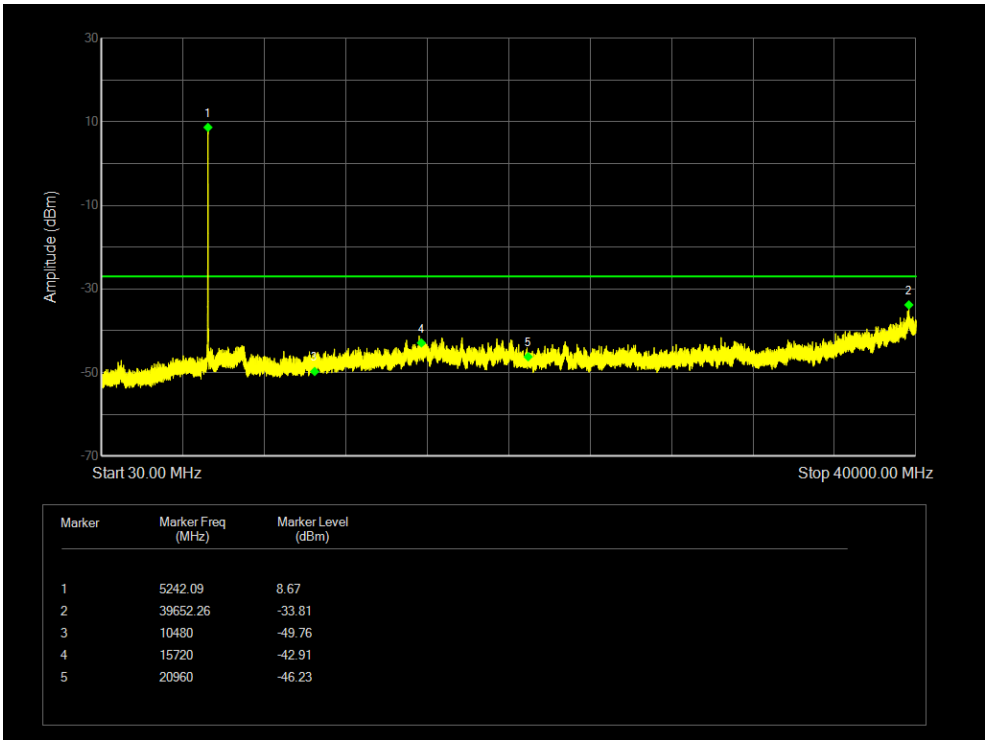

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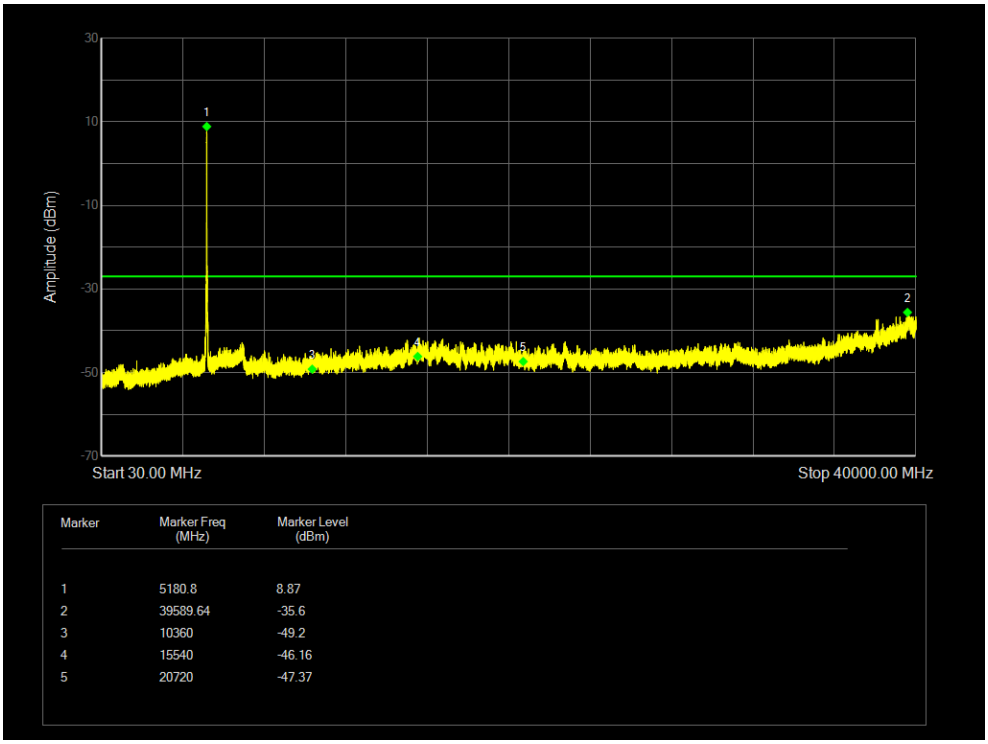

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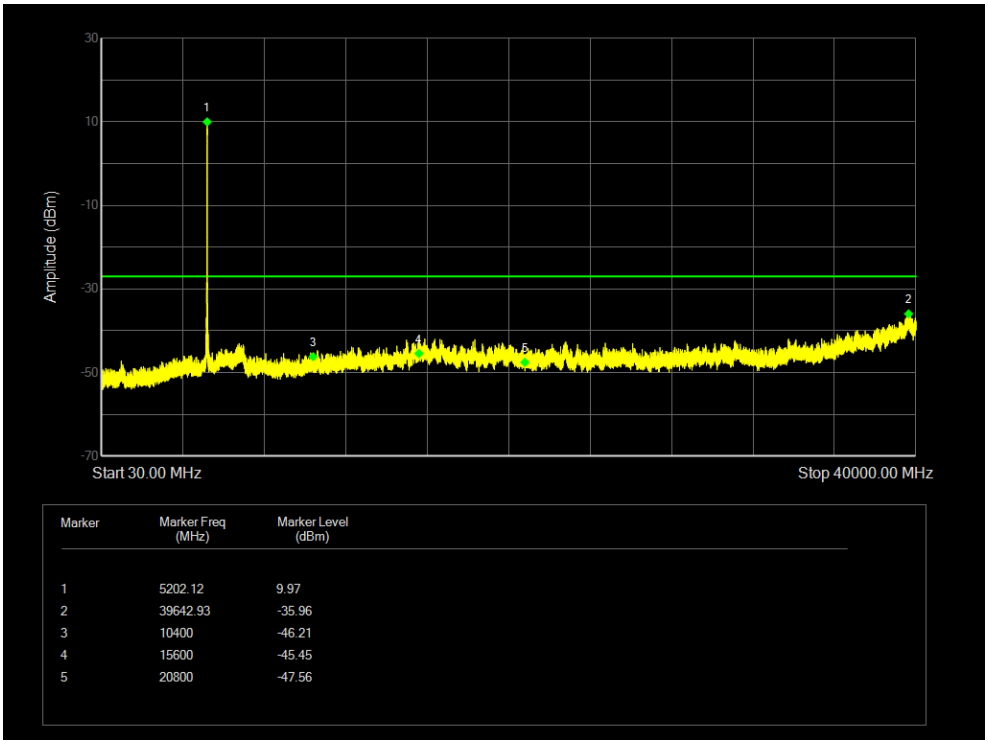

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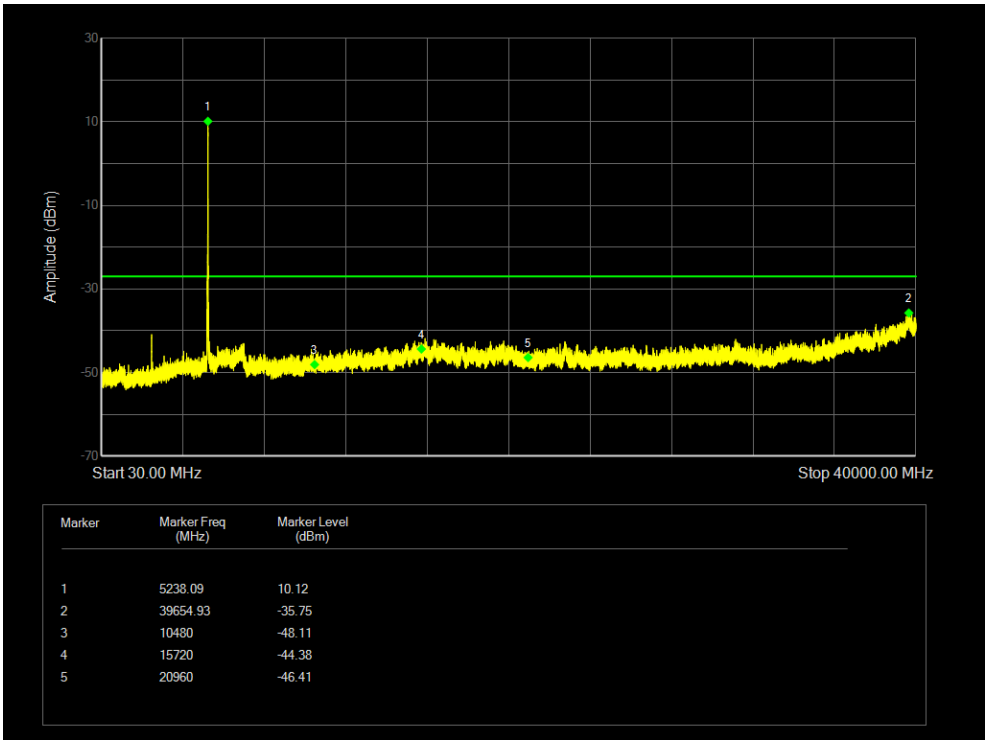

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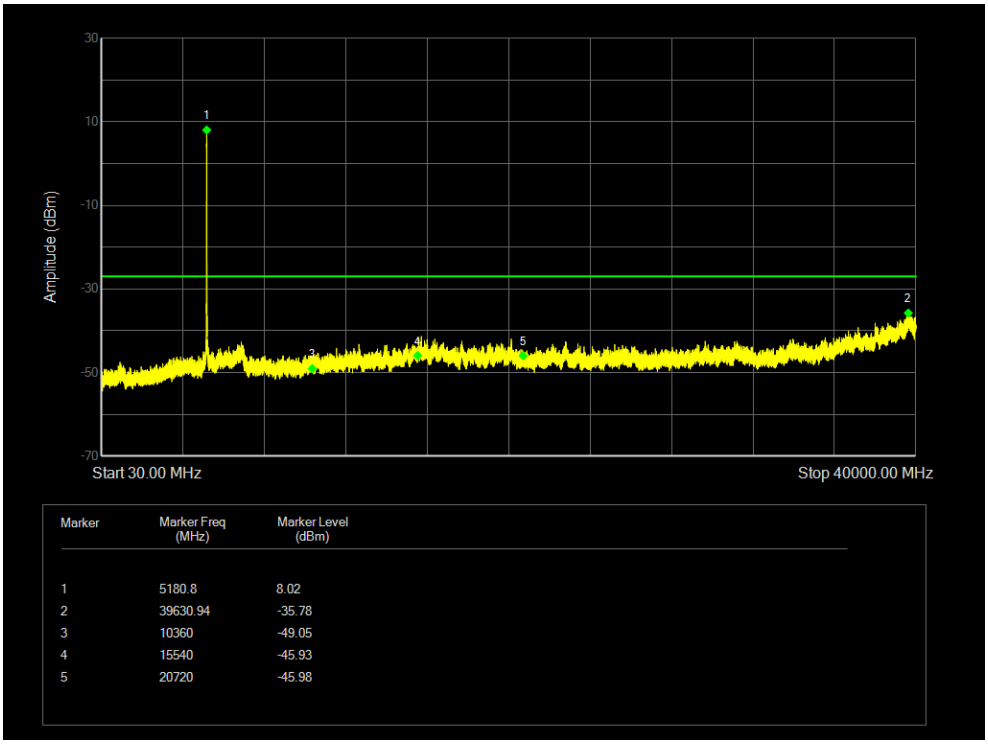

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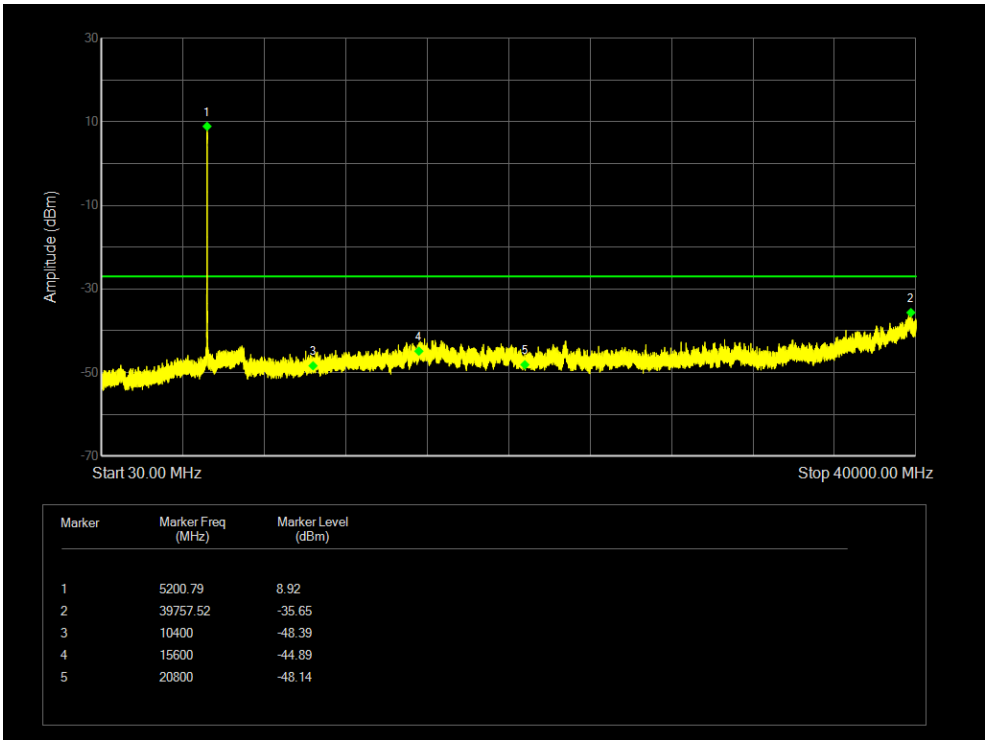

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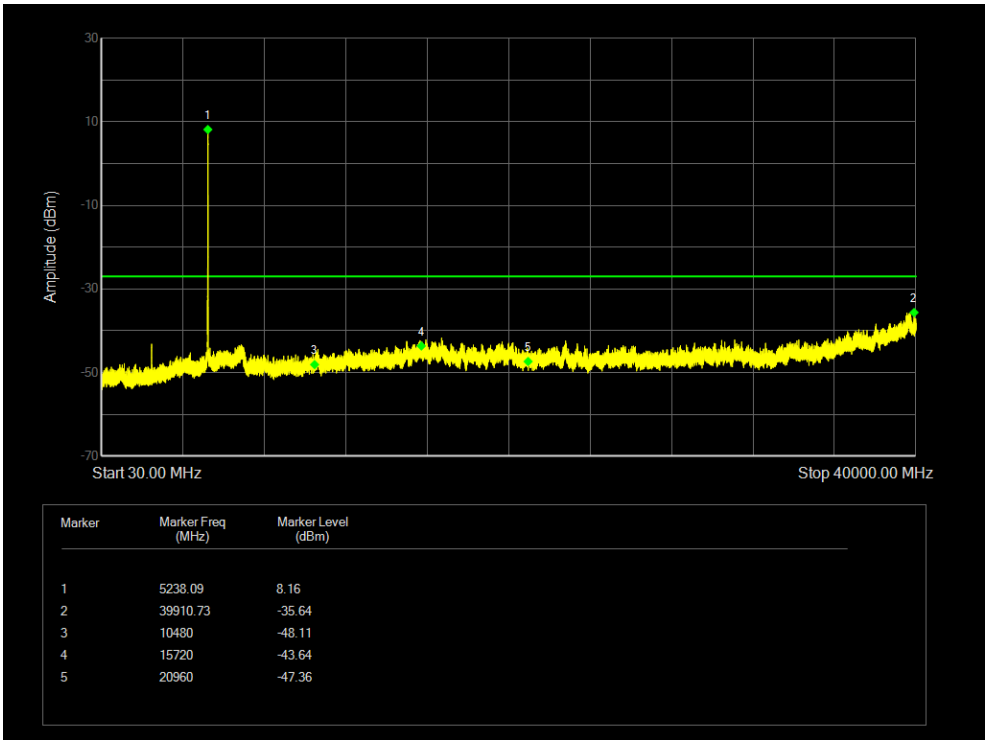
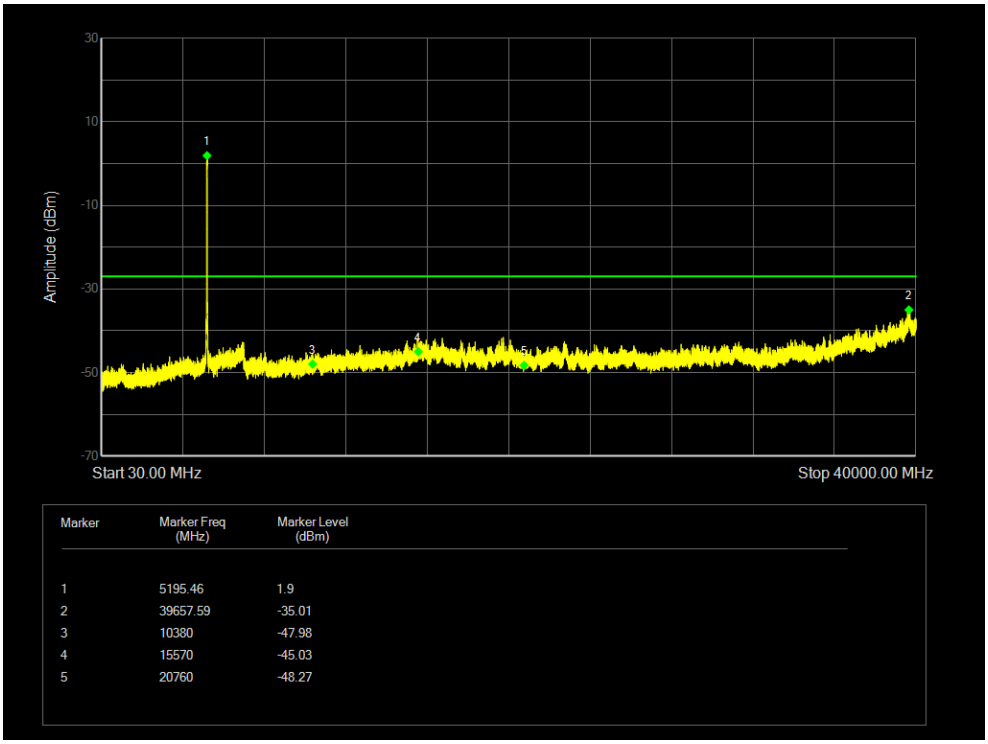
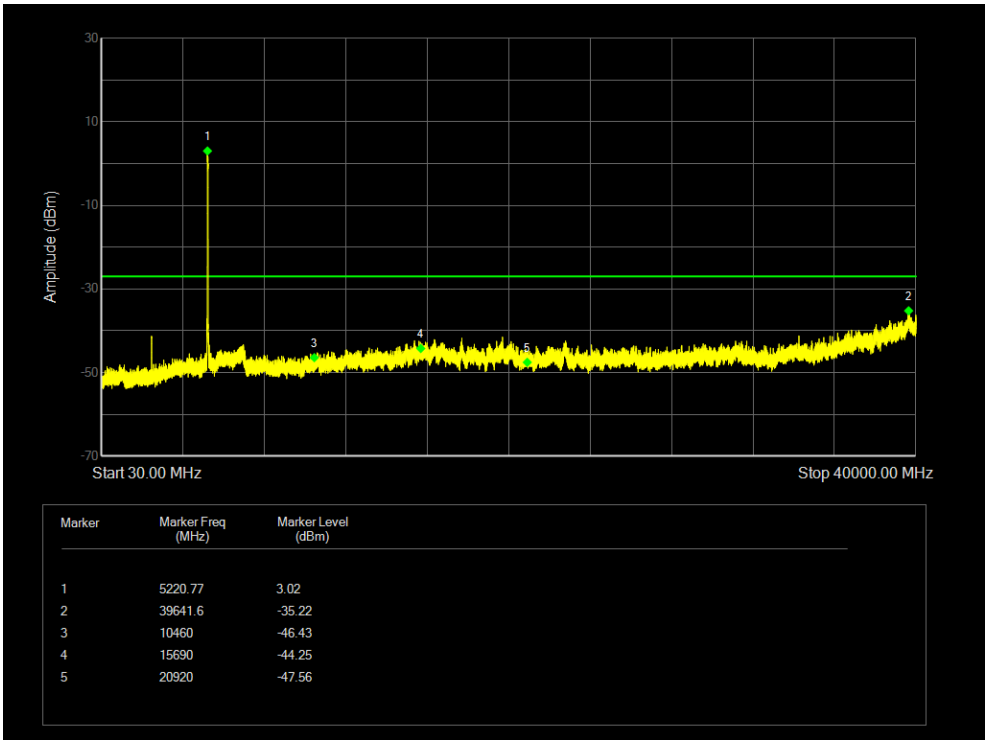


Tx. Spurious NVNT 802.11ac40 5190MHz Ant 1 Emission



Tx. Spurious NVNT 802.11ac40 5230MHz Ant 1 Emission



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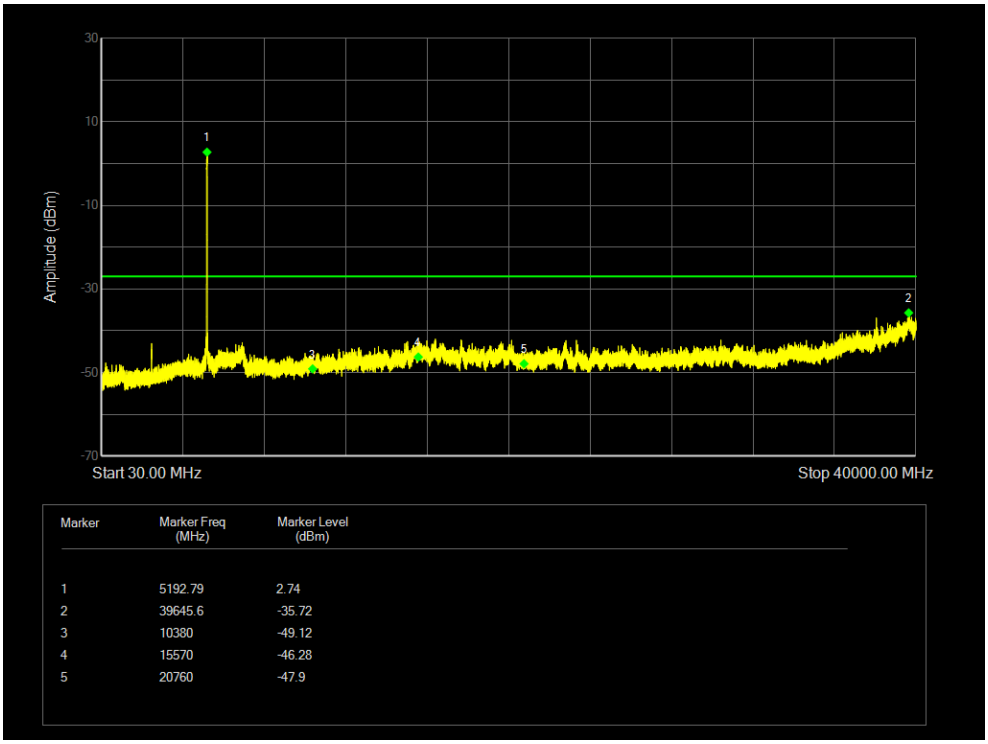
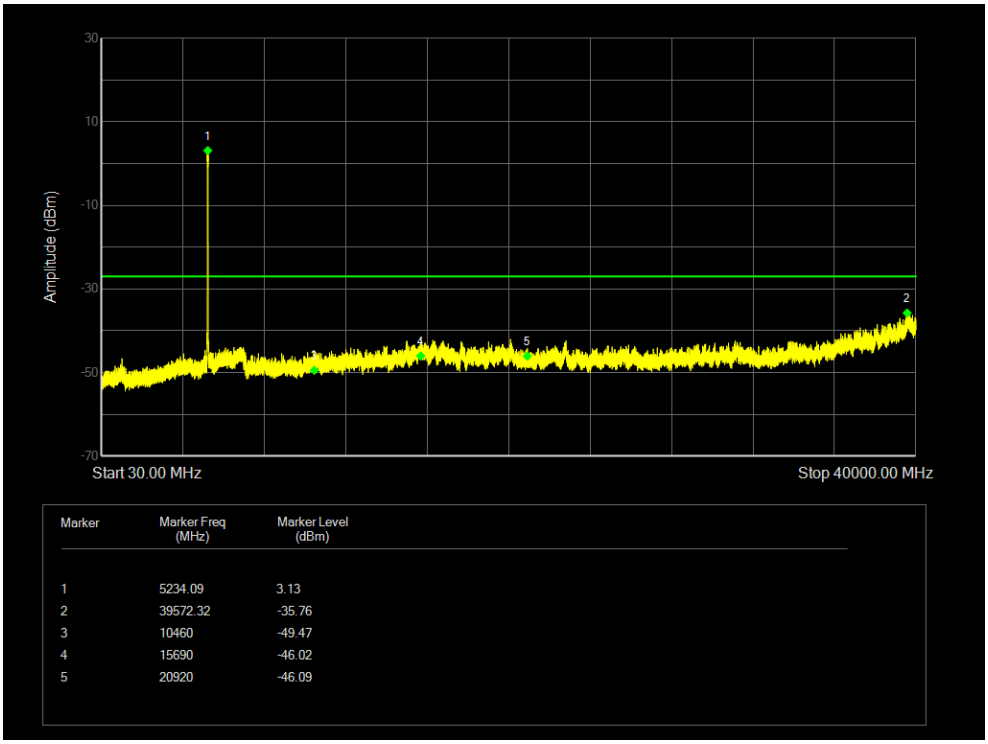
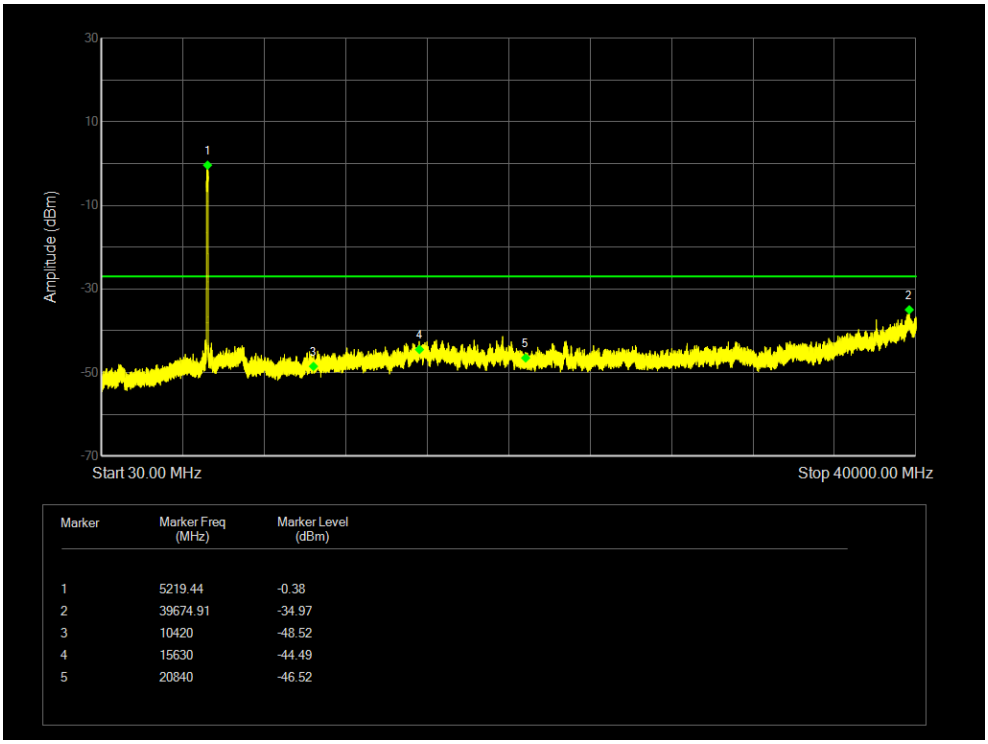


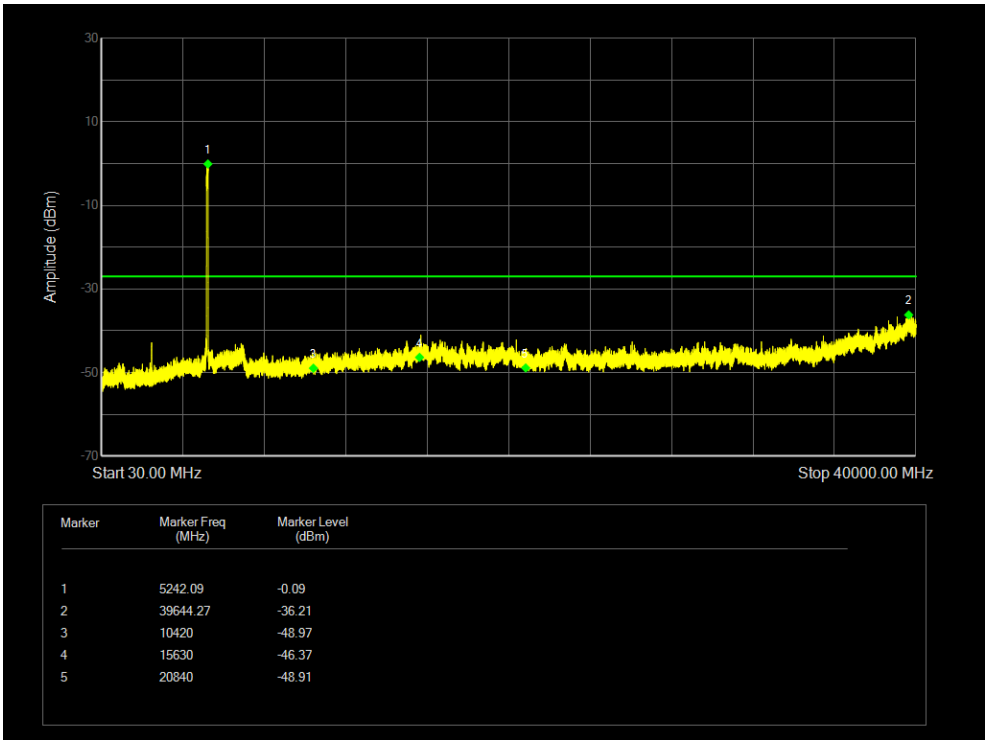
Tx. Spurious NVNT 802.11ac40 5230MHz Ant 2 Emission



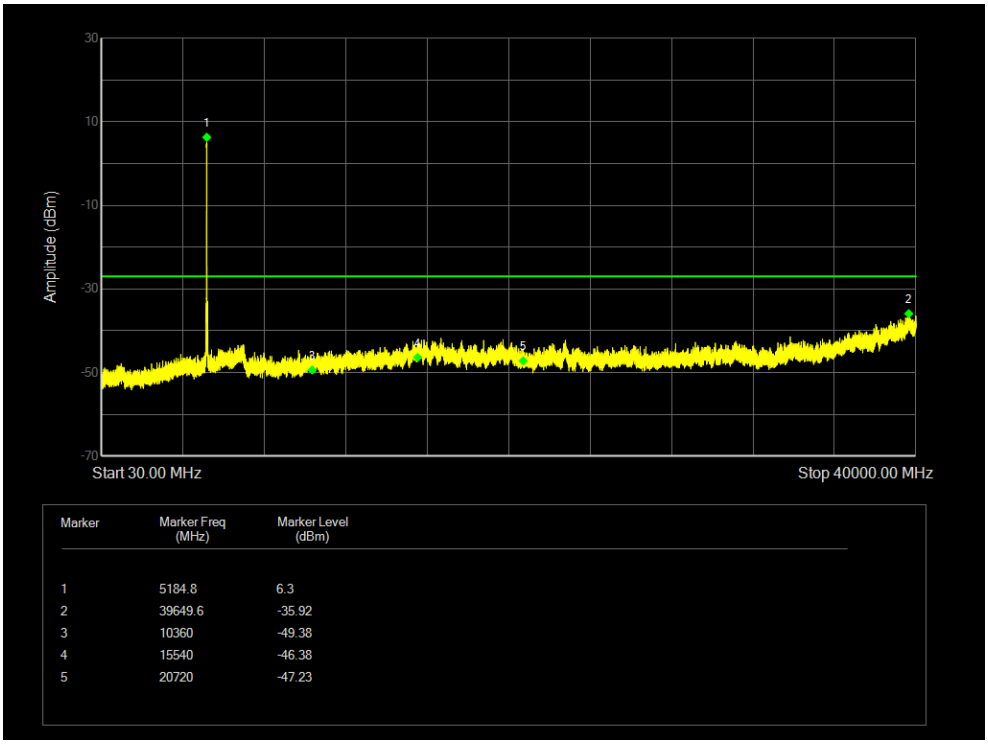
Tx. Spurious NVNT 802.11ac80 5210MHz Ant 1 Emission



Tx. Spurious NVNT 802.11ac80 5210MHz Ant 2 Emission



Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant 1 Emission



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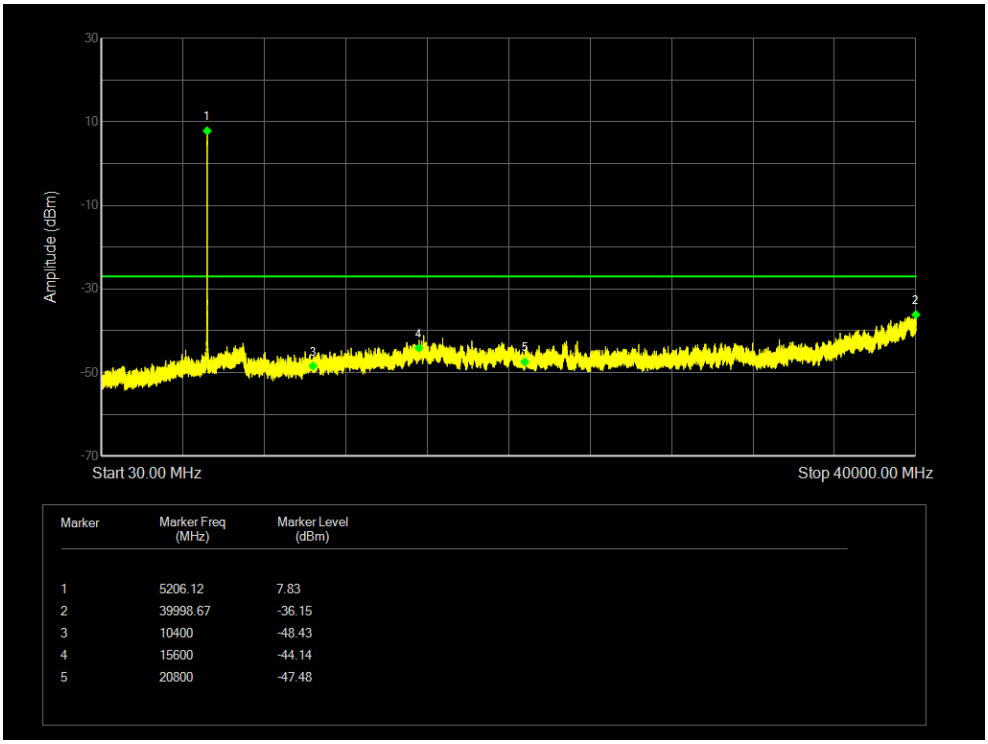
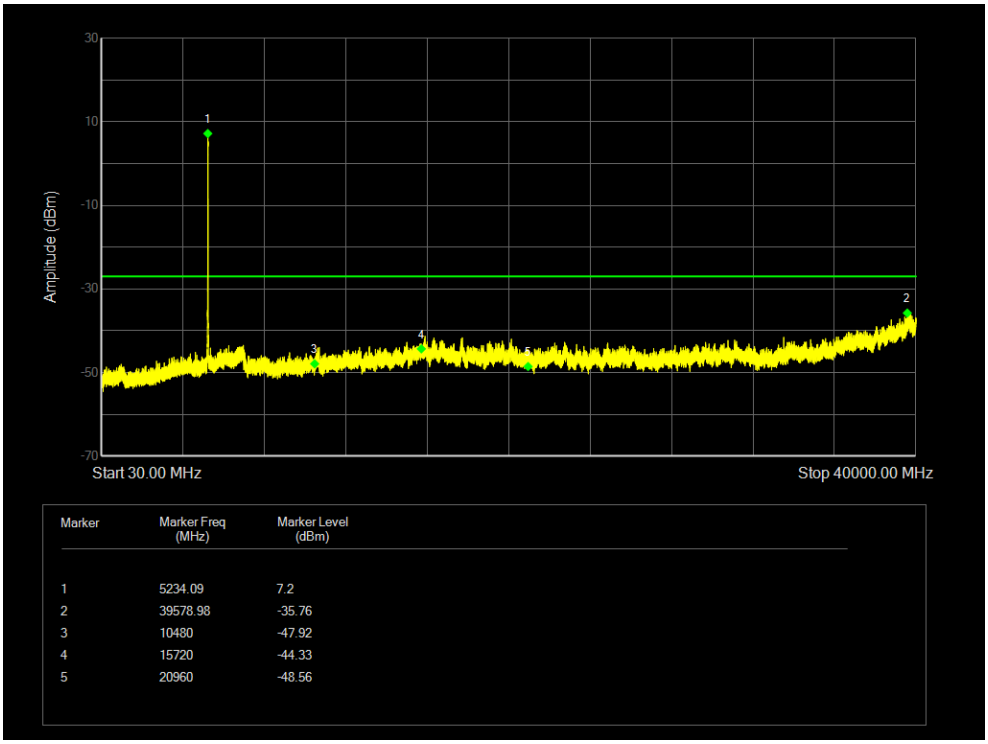
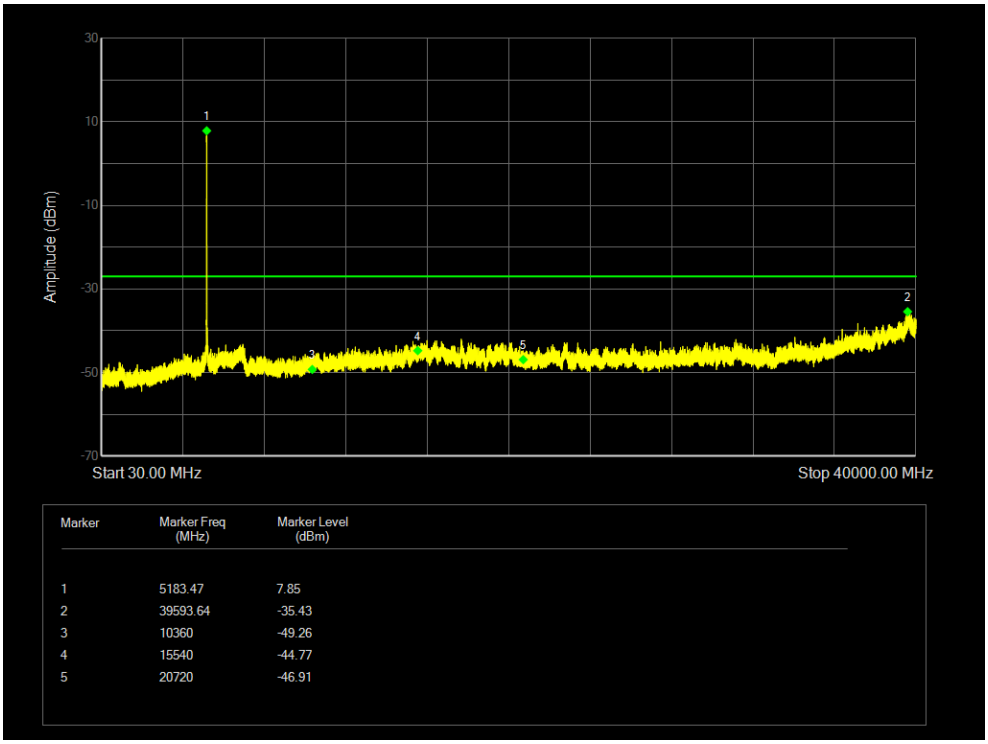


Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant 1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant 2 Emission



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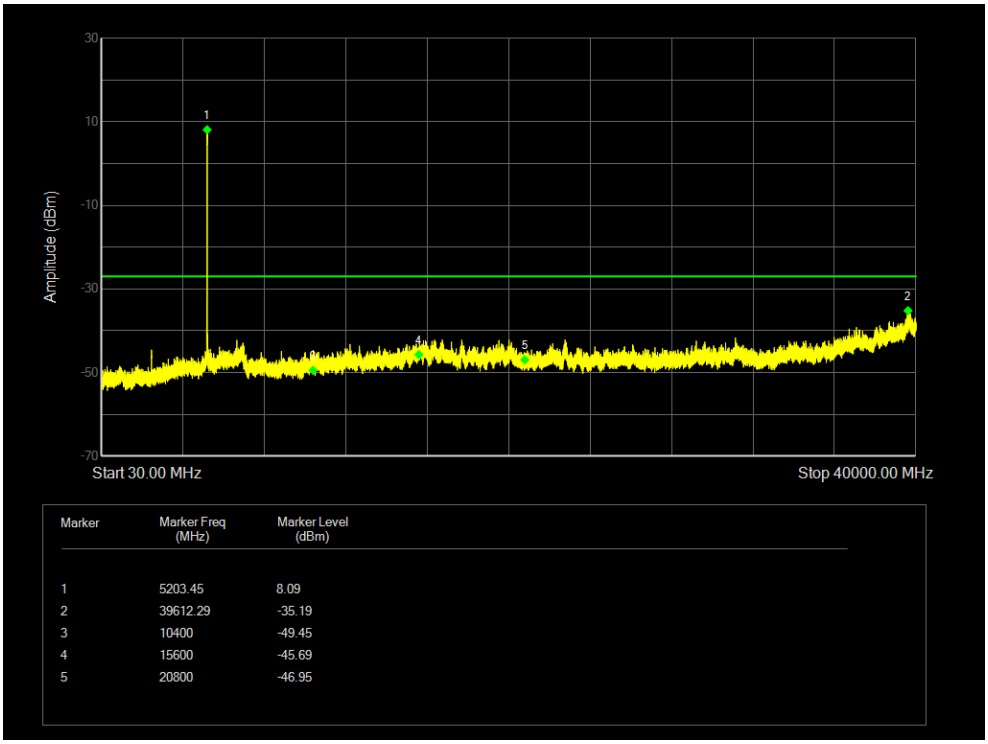
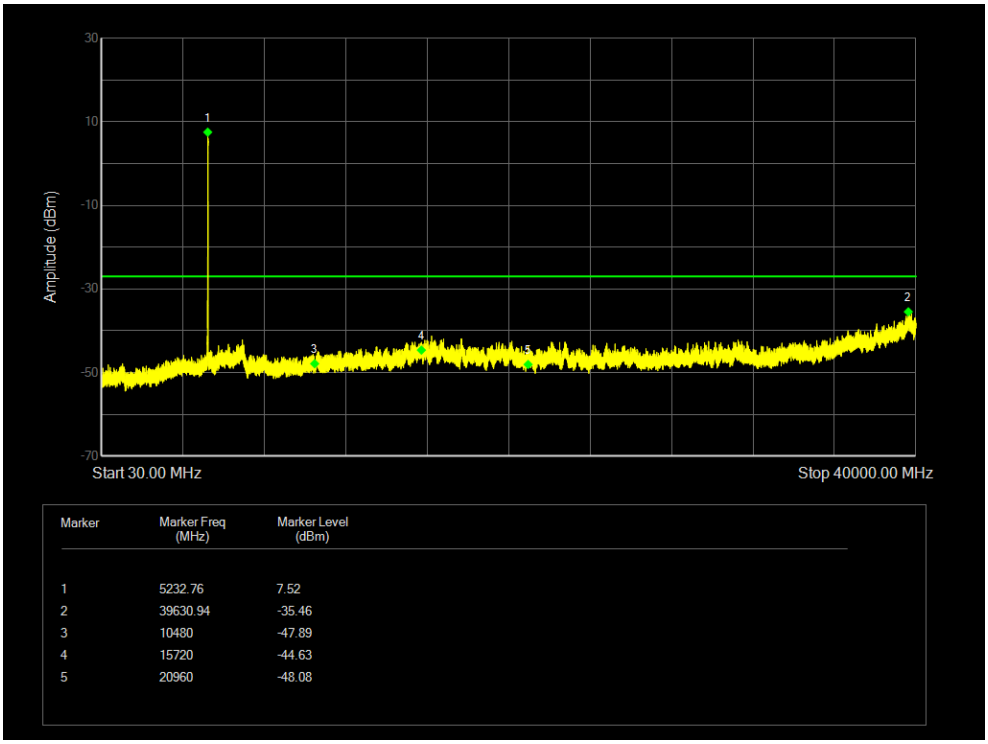
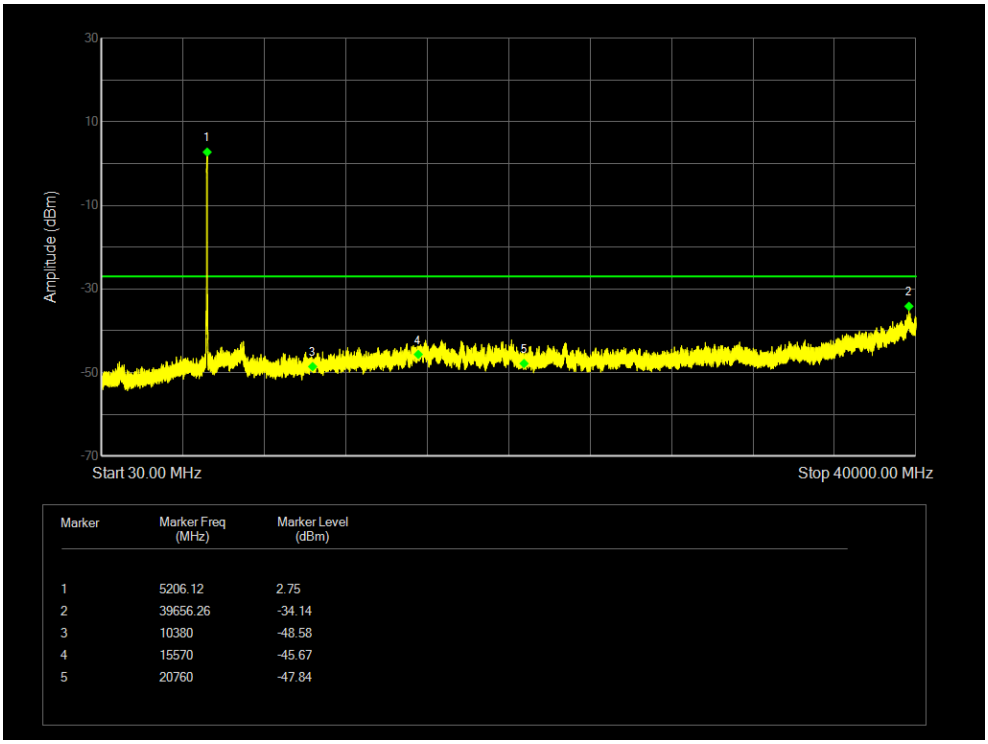


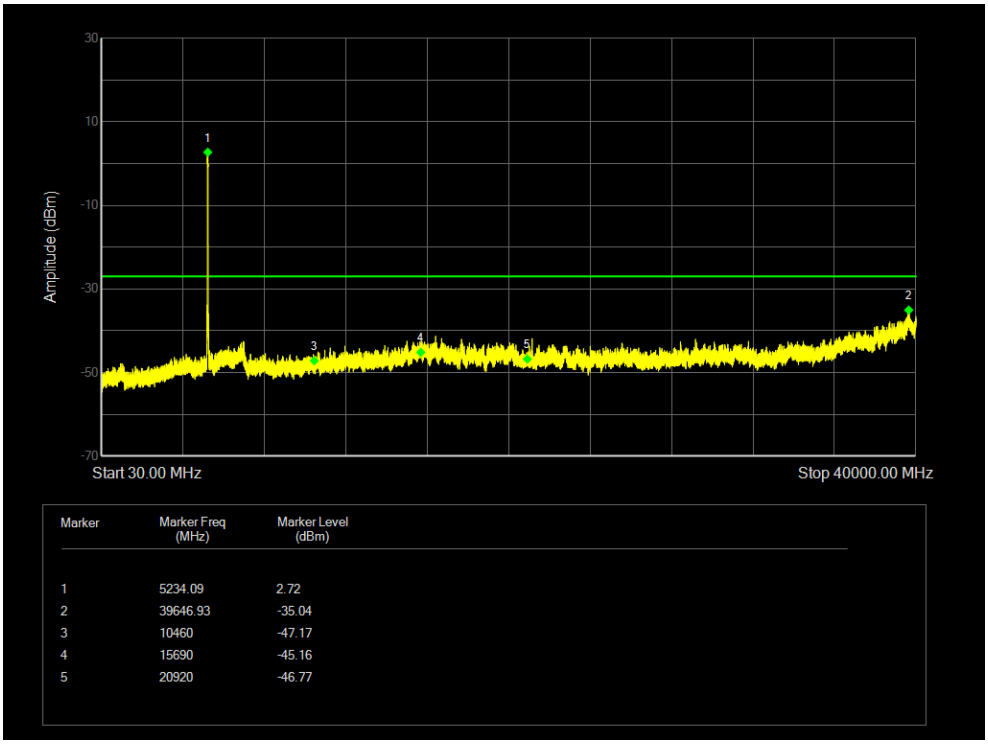
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant 2 Emission



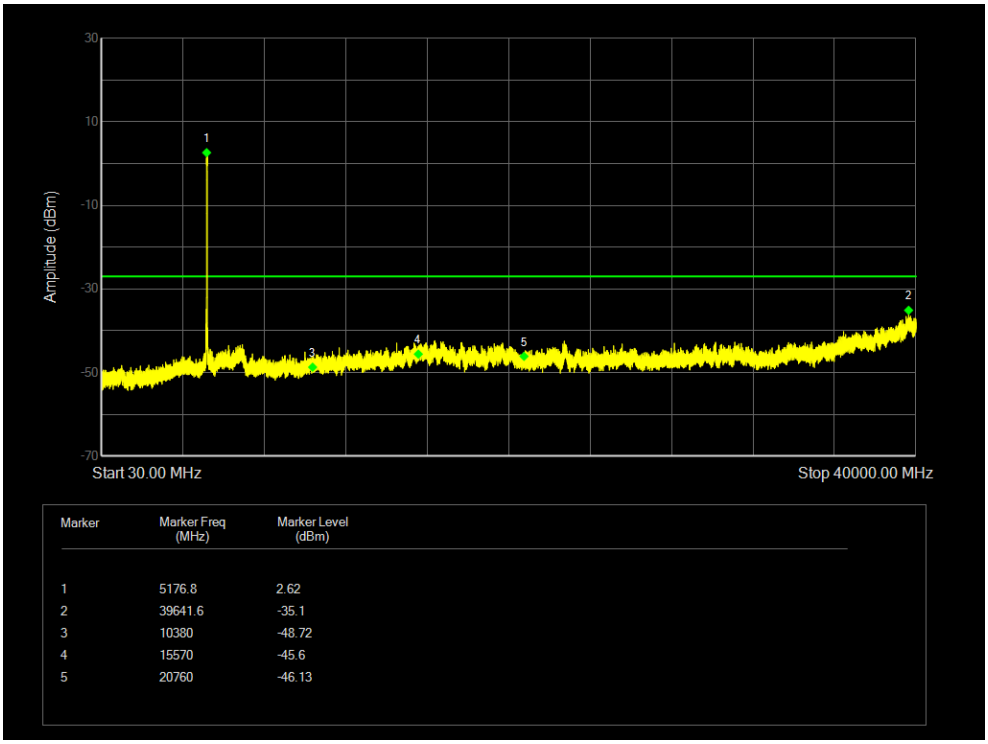
Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant 1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant 1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant 2 Emission



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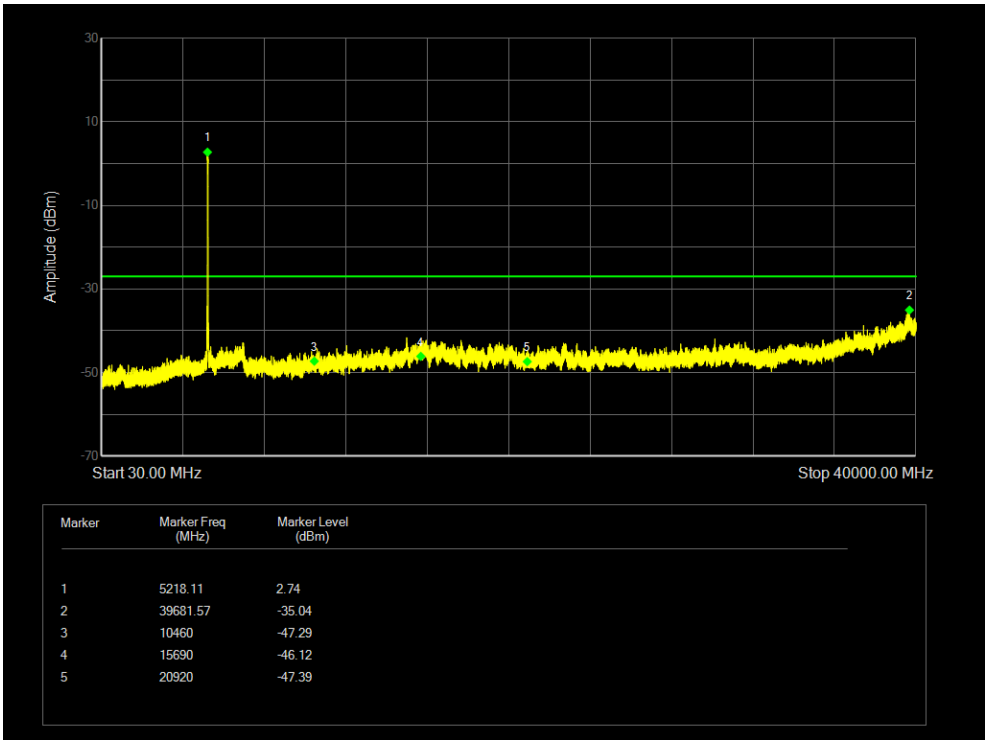
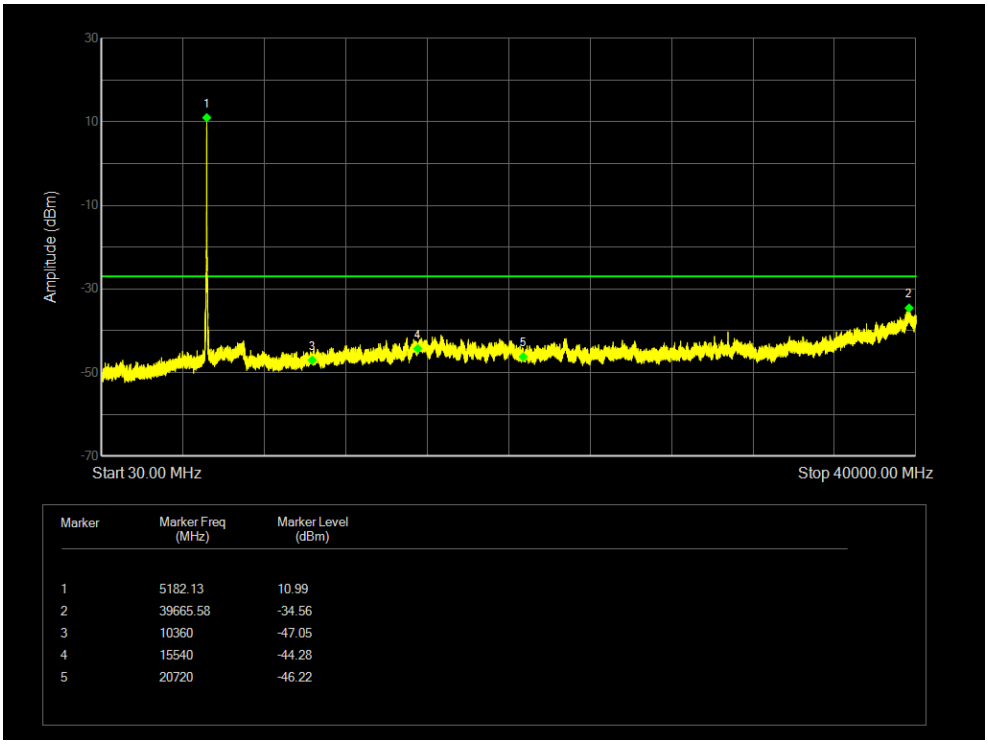


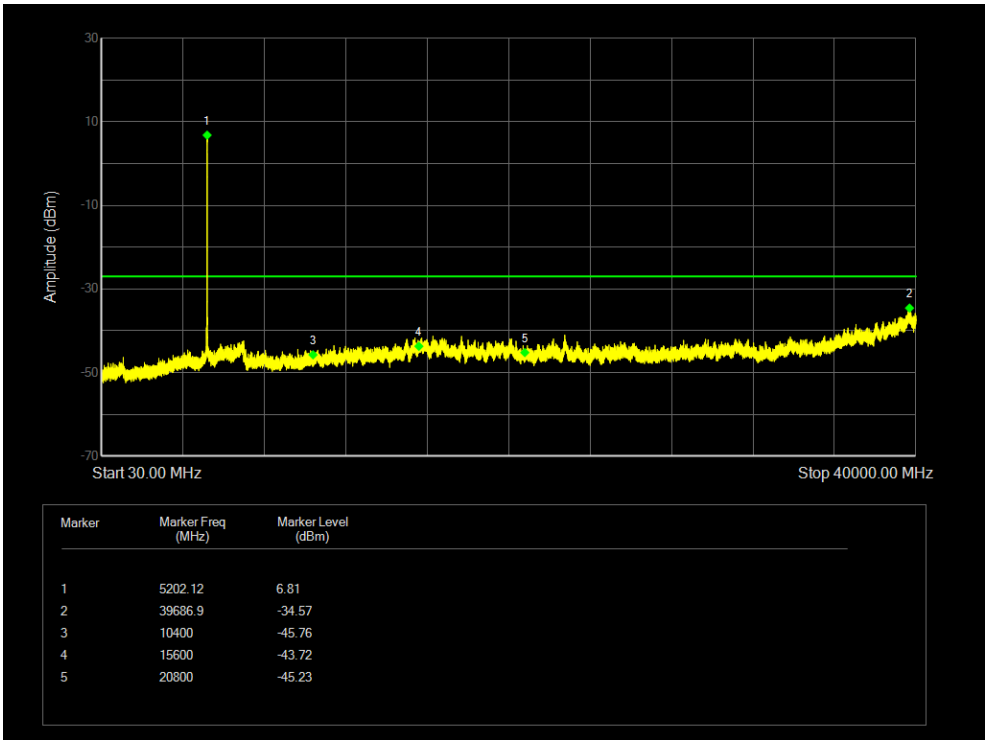
Conducted RF Spurious Emission - MIMO

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11ac20	5180	Sum	-34.56	-27	Pass
NVNT	802.11ac20	5200	Sum	-34.57	-27	Pass
NVNT	802.11ac20	5240	Sum	-34.99	-27	Pass
NVNT	802.11ac40	5190	Sum	-34.43	-27	Pass
NVNT	802.11ac40	5230	Sum	-34.4	-27	Pass
NVNT	802.11ac80	5210	Sum	-34.99	-27	Pass
NVNT	802.11n(HT20)	5180	Sum	-34.05	-27	Pass
NVNT	802.11n(HT20)	5200	Sum	-35.05	-27	Pass
NVNT	802.11n(HT20)	5240	Sum	-34.84	-27	Pass
NVNT	802.11n(HT40)	5190	Sum	-35.16	-27	Pass
NVNT	802.11n(HT40)	5230	Sum	-35.09	-27	Pass

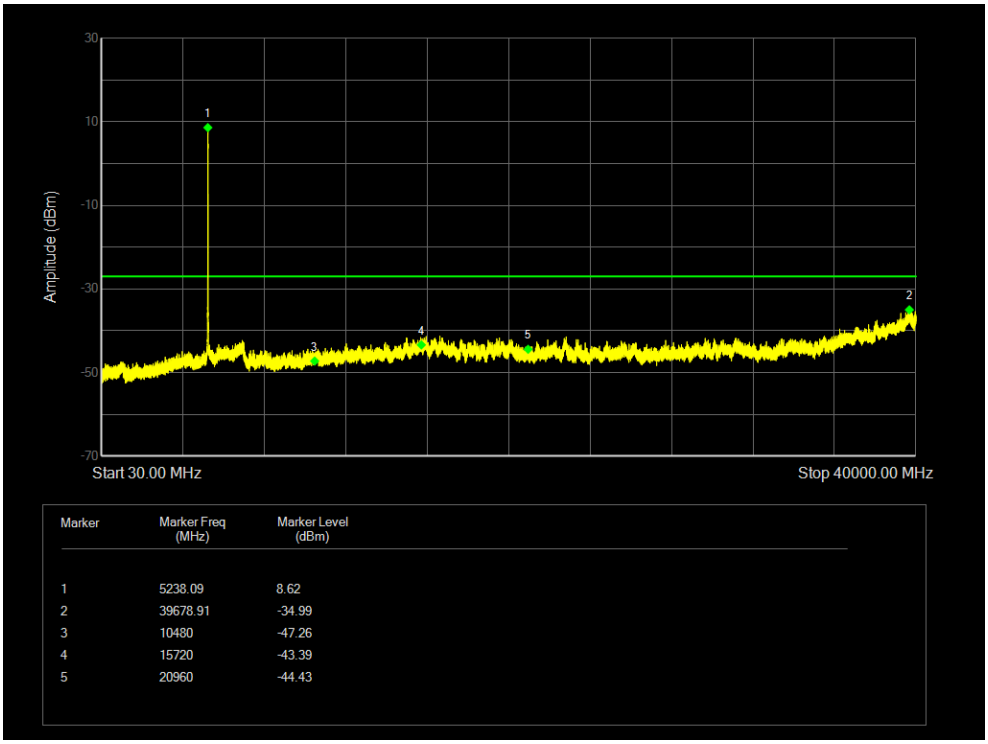
Tx. Spurious NVNT 802.11ac20 5180MHz Sum Emission



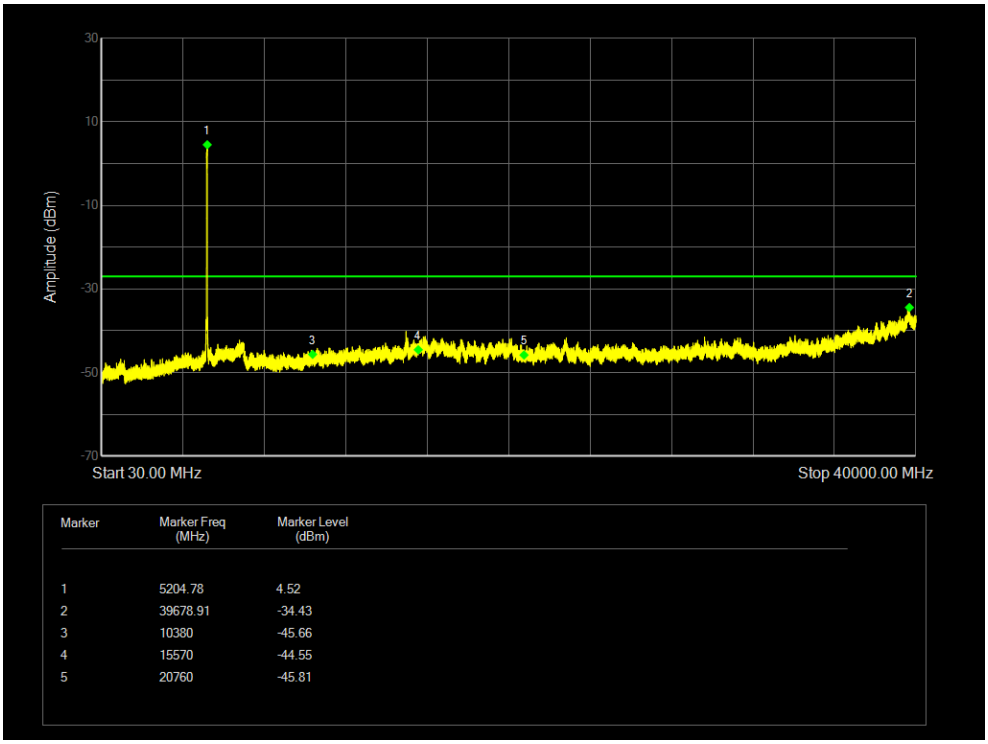
Tx. Spurious NVNT 802.11ac20 5200MHz Sum Emission



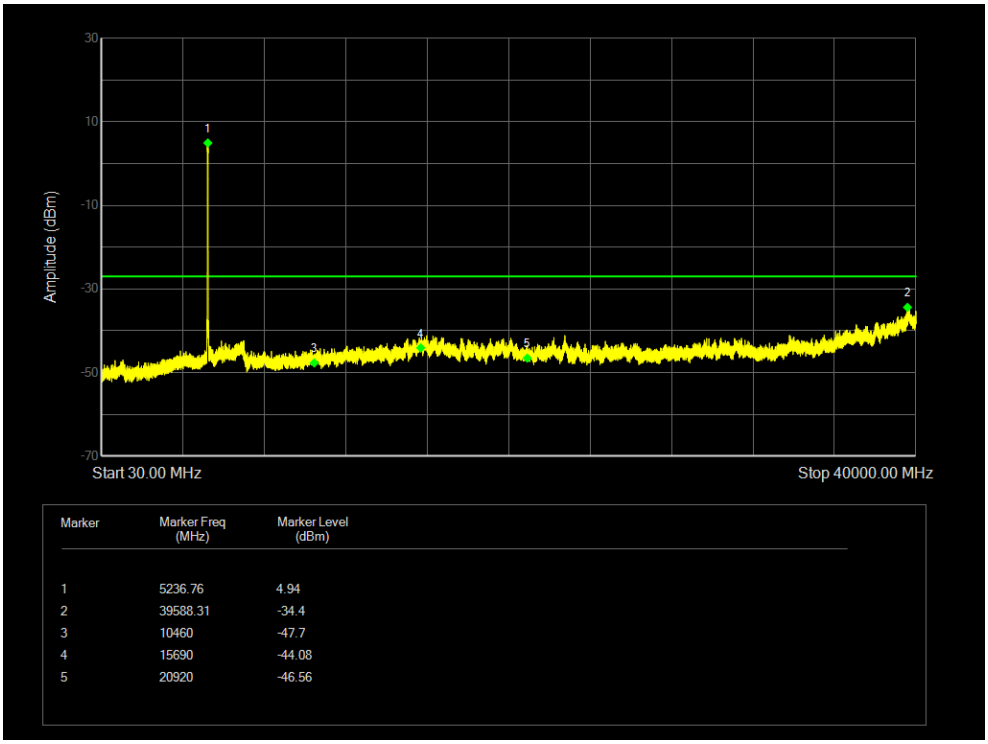
Tx. Spurious NVNT 802.11ac20 5240MHz Sum Emission



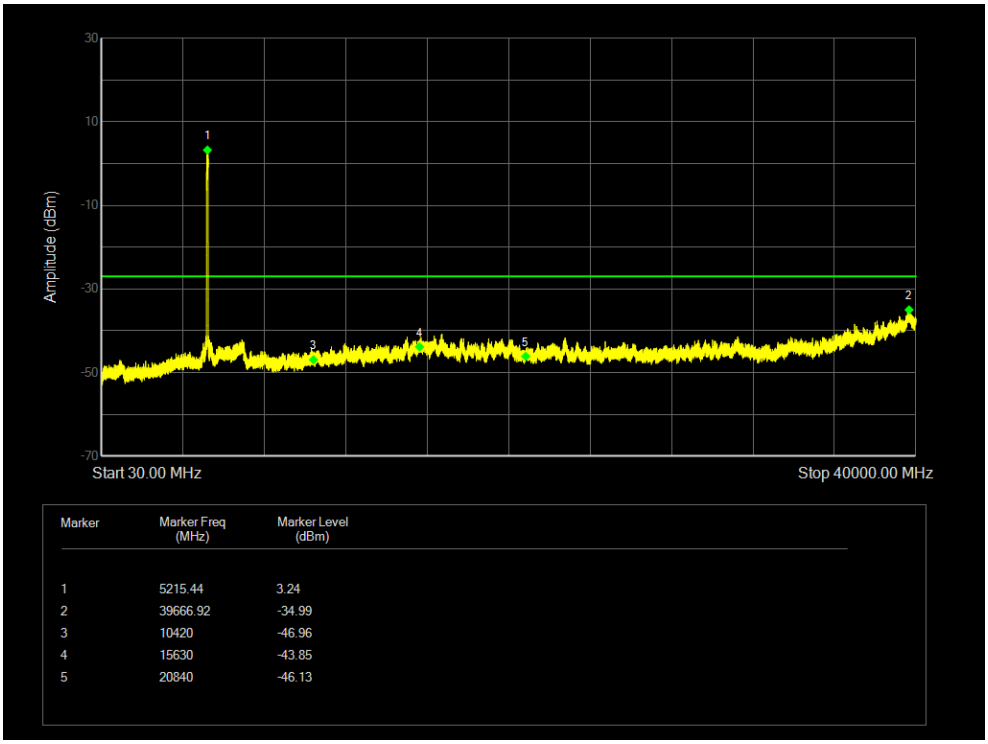
Tx. Spurious NVNT 802.11ac40 5190MHz Sum Emission



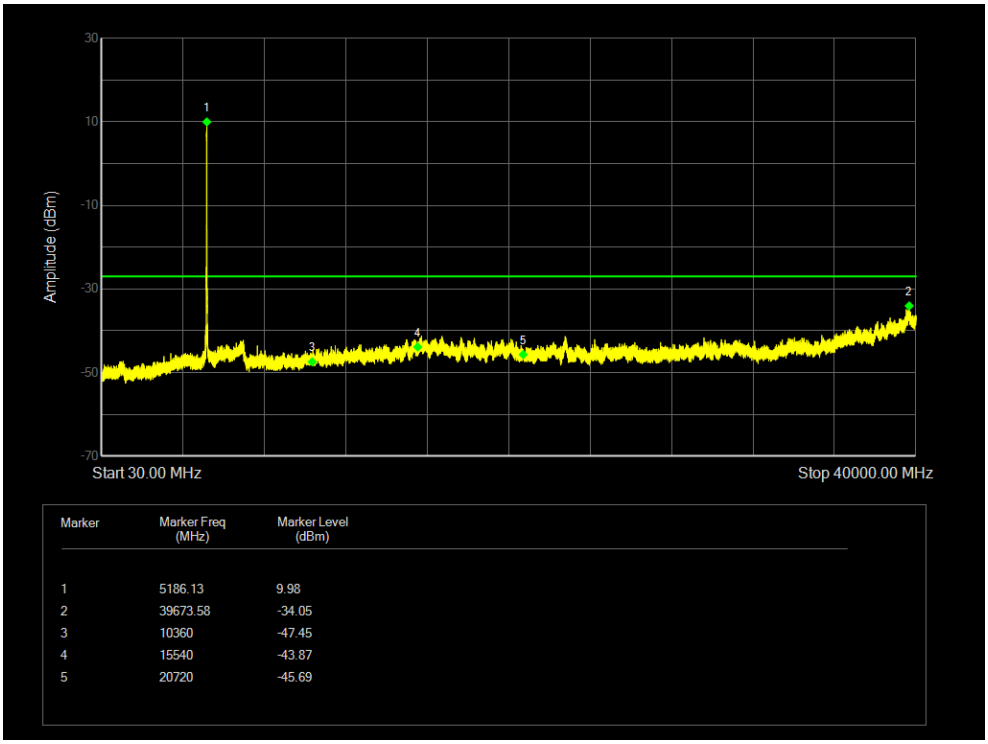
Tx. Spurious NVNT 802.11ac40 5230MHz Sum Emission



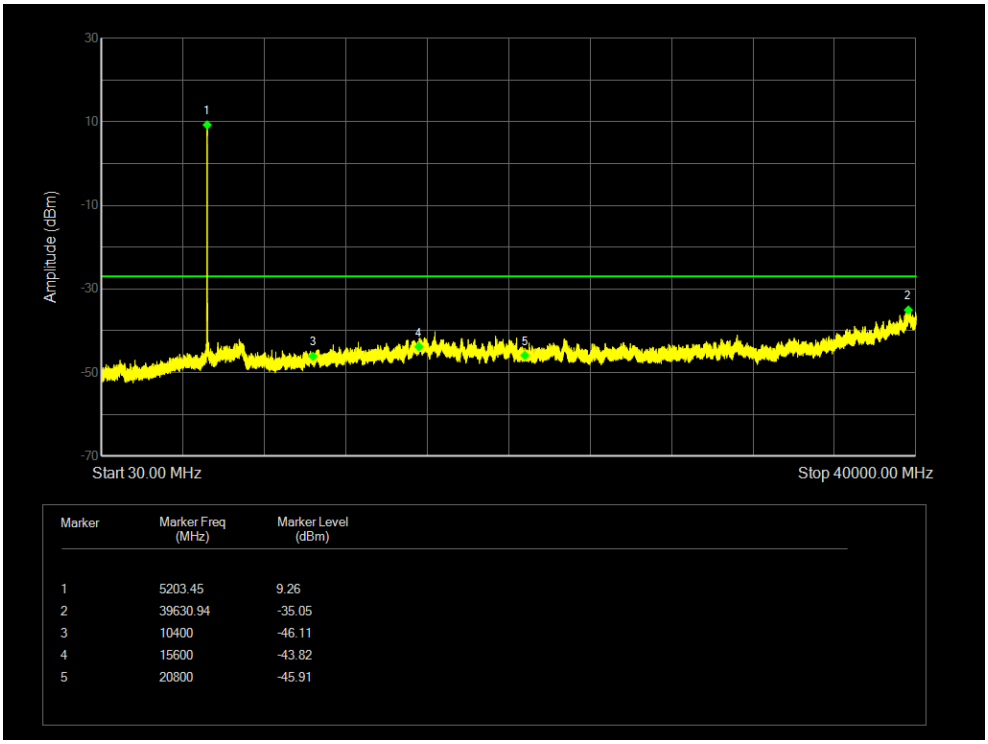
Tx. Spurious NVNT 802.11ac80 5210MHz Sum Emission



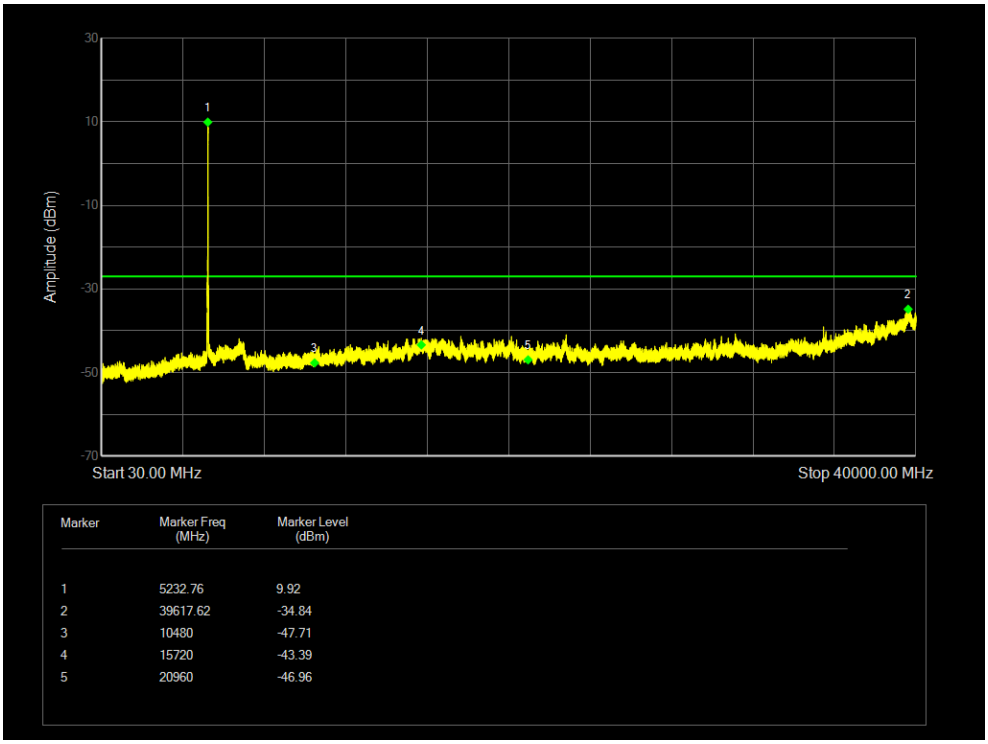
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Sum Emission



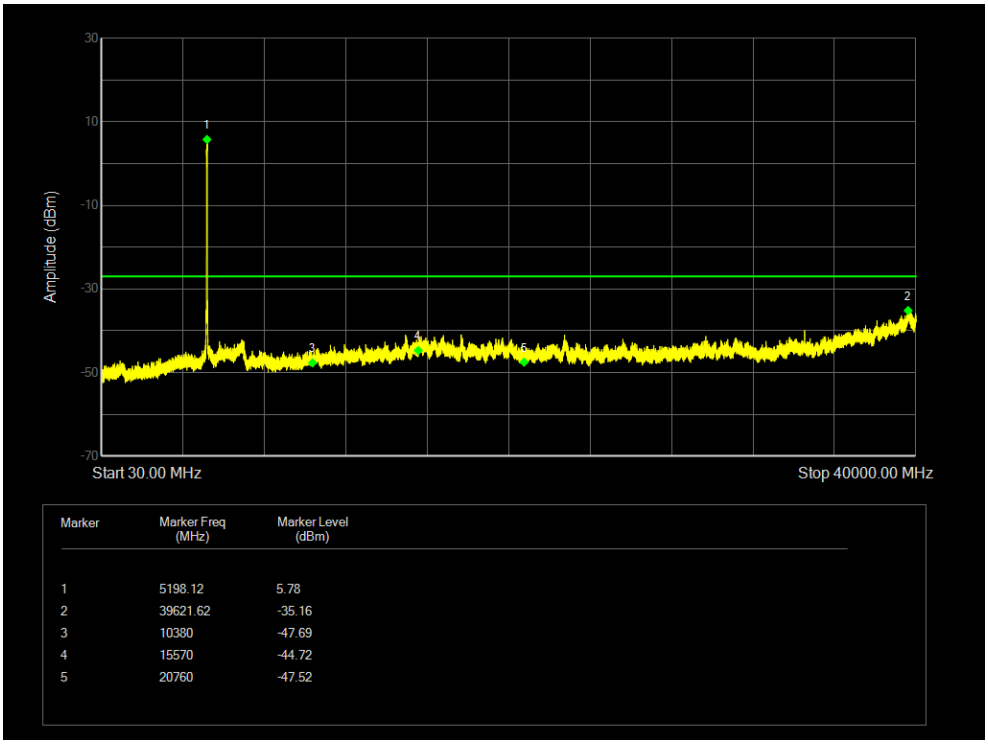
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Sum Emission



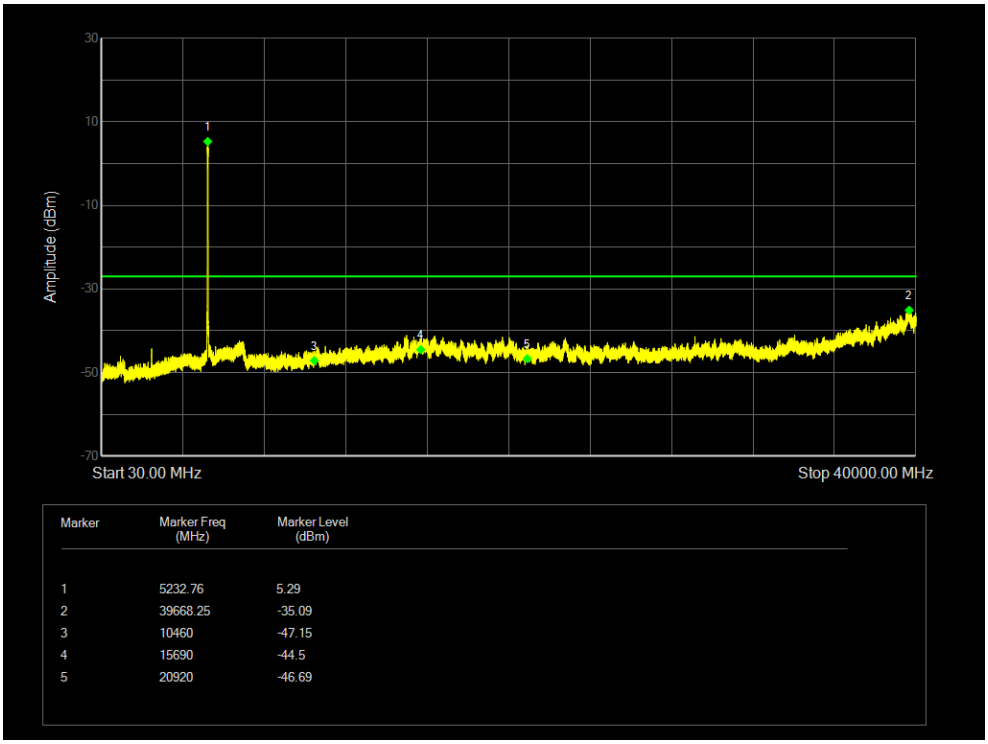
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Sum Emission



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



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



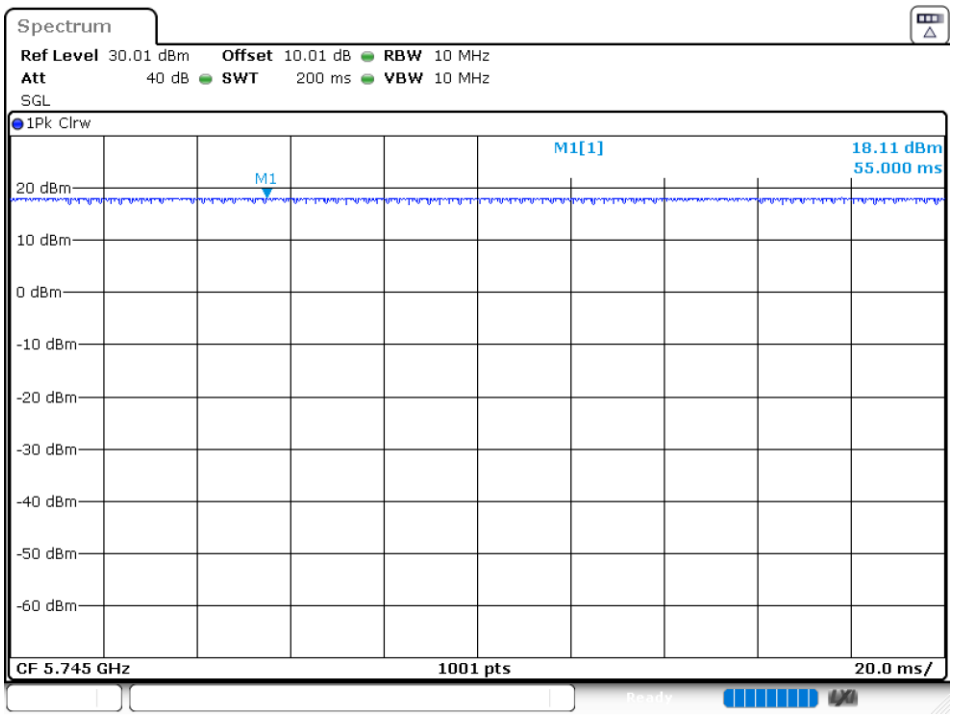
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5232.76	5.29
2	39668.25	-35.09
3	10460	-47.15
4	15690	-44.5
5	20920	-46.69

5.8G

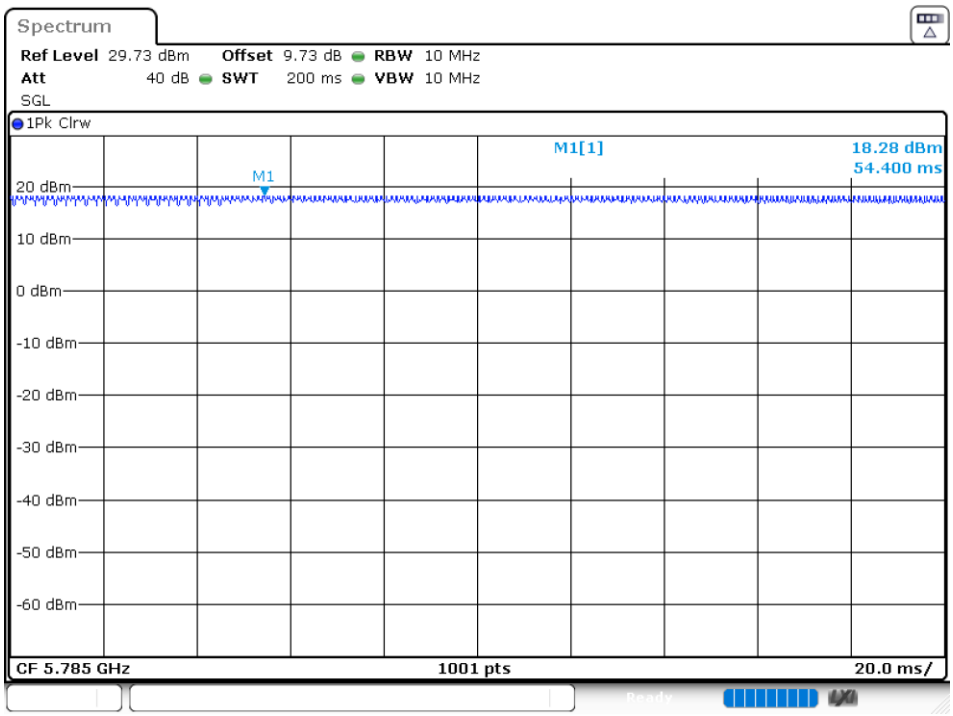
Duty Cycle

Antenna	Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
Ant 1	NVNT	802.11a	5745	100	0
Ant 1	NVNT	802.11a	5785	100	0
Ant 1	NVNT	802.11a	5825	100	0
Ant 2	NVNT	802.11a	5745	100	0
Ant 2	NVNT	802.11a	5785	100	0
Ant 2	NVNT	802.11a	5825	100	0
Ant 1	NVNT	802.11ac20	5745	100	0
Ant 1	NVNT	802.11ac20	5785	100	0
Ant 1	NVNT	802.11ac20	5825	100	0
Ant 2	NVNT	802.11ac20	5745	100	0
Ant 2	NVNT	802.11ac20	5785	100	0
Ant 2	NVNT	802.11ac20	5825	100	0
Ant 1	NVNT	802.11ac40	5755	99.9	0
Ant 1	NVNT	802.11ac40	5795	100	0
Ant 2	NVNT	802.11ac40	5755	100	0
Ant 2	NVNT	802.11ac40	5795	100	0
Ant 1	NVNT	802.11ac80	5775	100	0
Ant 2	NVNT	802.11ac80	5775	100	0
Ant 1	NVNT	802.11n(HT20)	5745	100	0
Ant 1	NVNT	802.11n(HT20)	5785	100	0
Ant 1	NVNT	802.11n(HT20)	5825	100	0
Ant 2	NVNT	802.11n(HT20)	5745	99.9	0
Ant 2	NVNT	802.11n(HT20)	5785	100	0
Ant 2	NVNT	802.11n(HT20)	5825	100	0
Ant 1	NVNT	802.11n(HT40)	5755	100	0
Ant 1	NVNT	802.11n(HT40)	5795	100	0
Ant 2	NVNT	802.11n(HT40)	5755	100	0
Ant 2	NVNT	802.11n(HT40)	5795	100	0

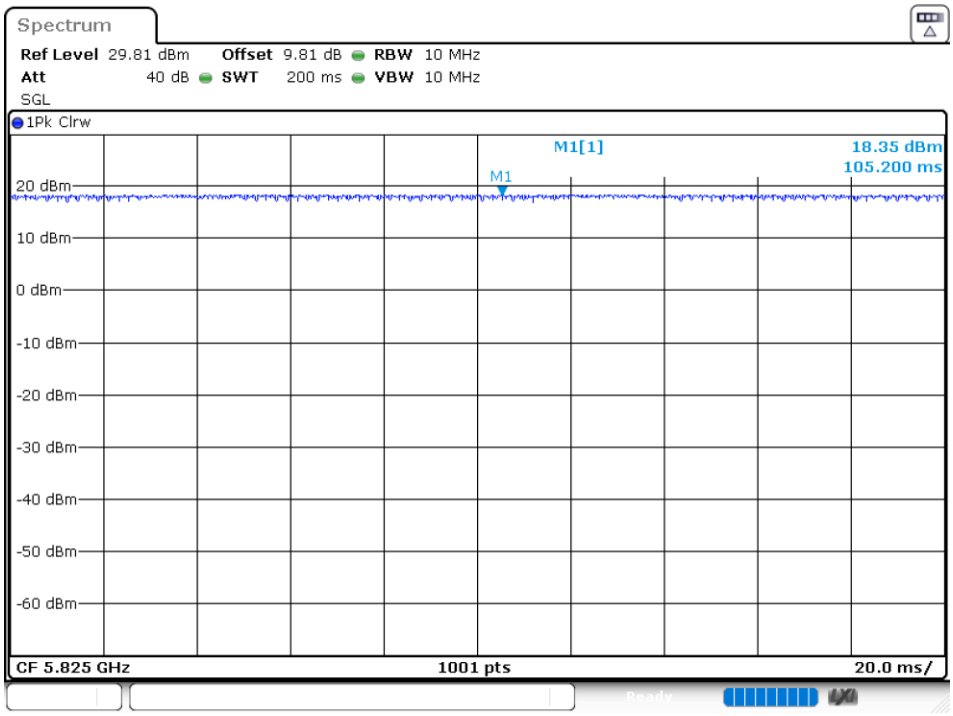
Duty Cycle NVNT 802.11a 5745MHz Ant 1



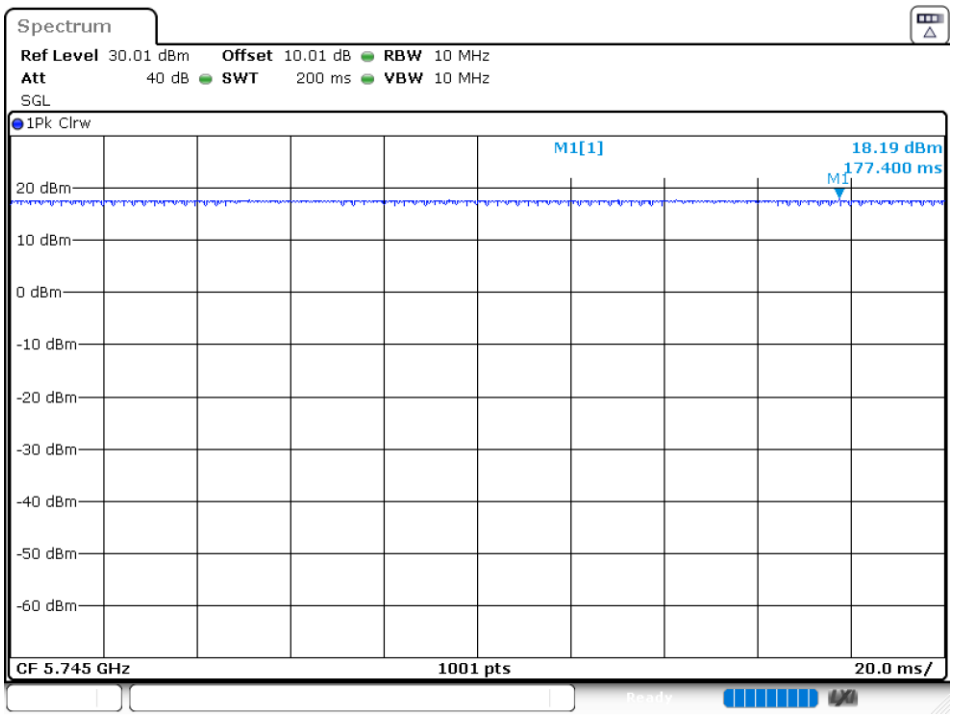
Duty Cycle NVNT 802.11a 5785MHz Ant 1



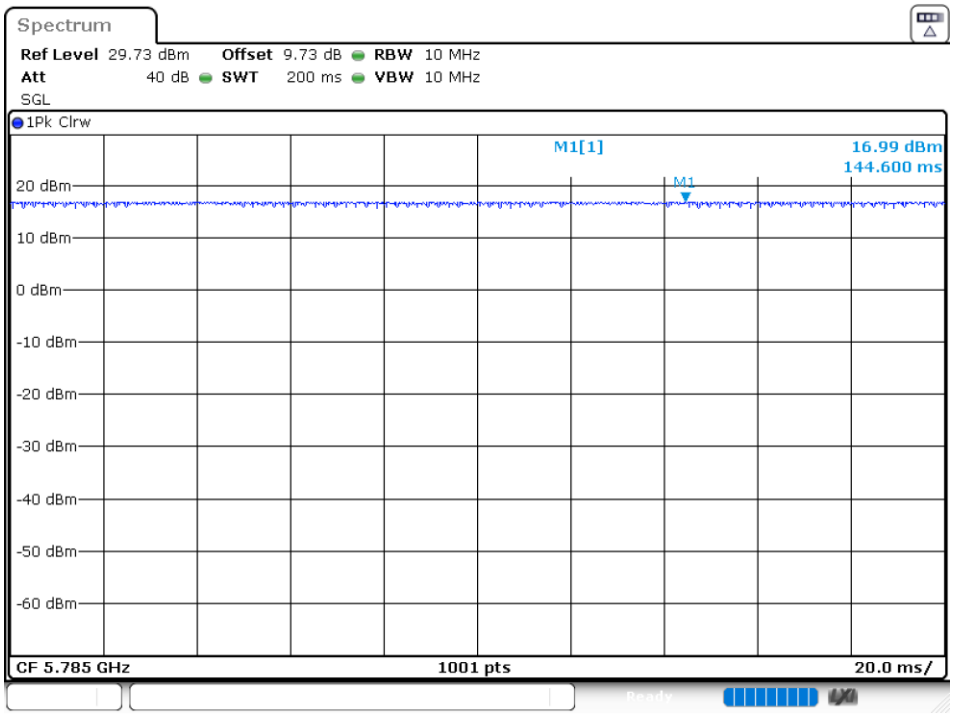
Duty Cycle NVNT 802.11a 5825MHz Ant 1



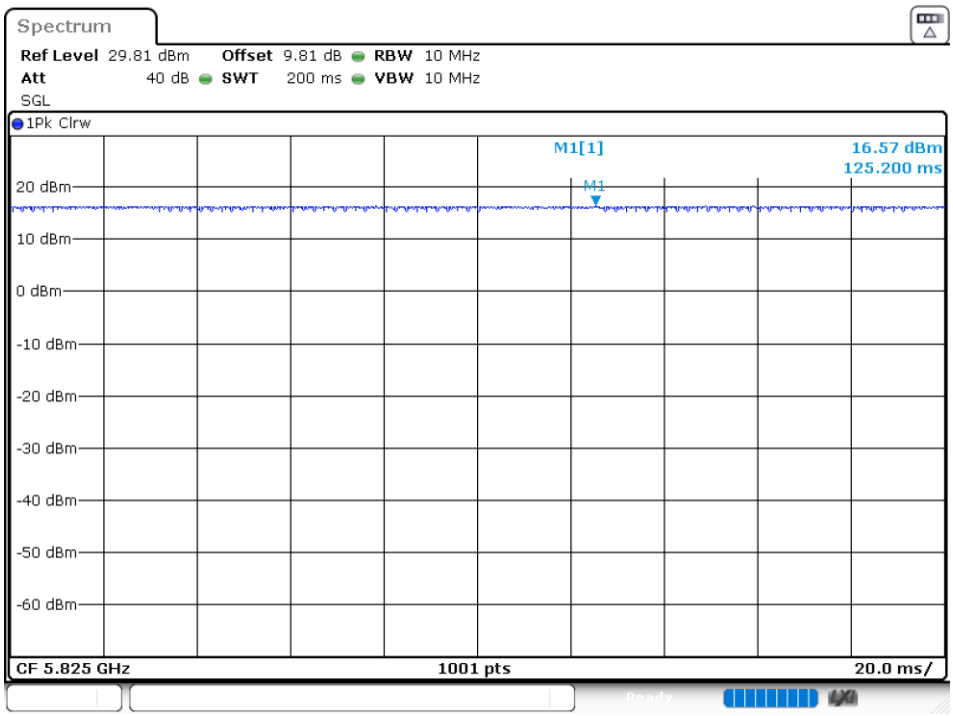
Duty Cycle NVNT 802.11a 5745MHz Ant 2



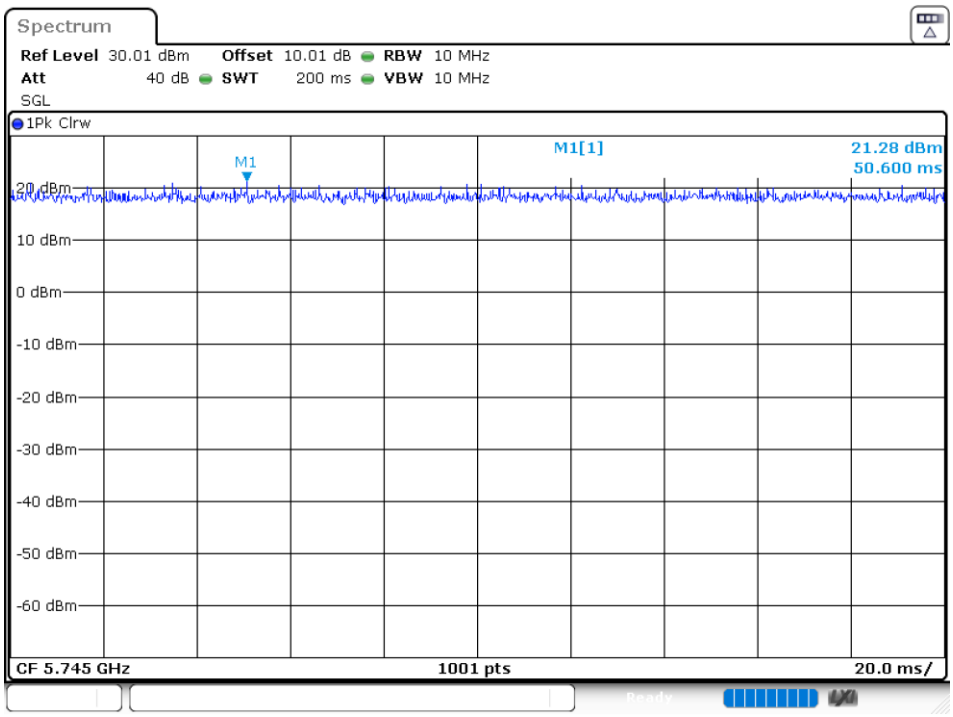
Duty Cycle NVNT 802.11a 5785MHz Ant 2



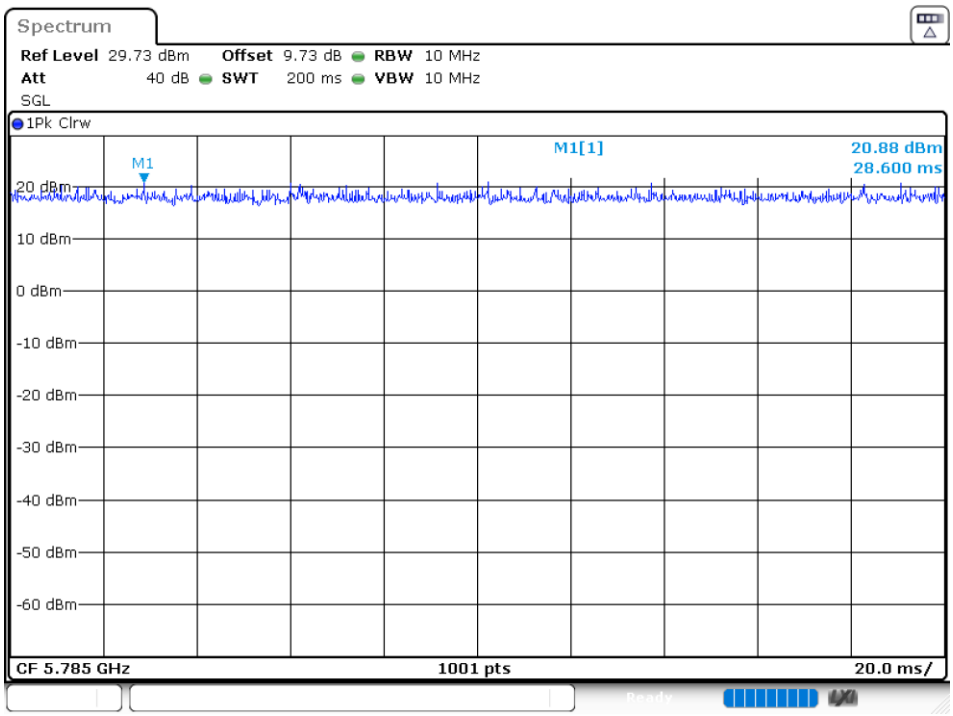
Duty Cycle NVNT 802.11a 5825MHz Ant 2



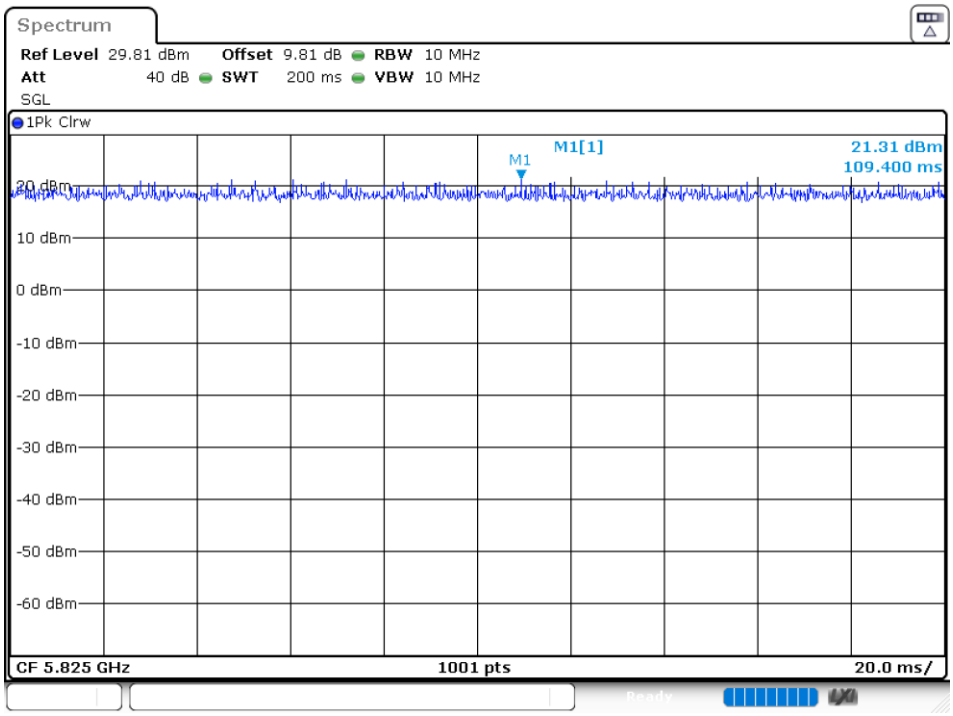
Duty Cycle NVNT 802.11ac20 5745MHz Ant 1



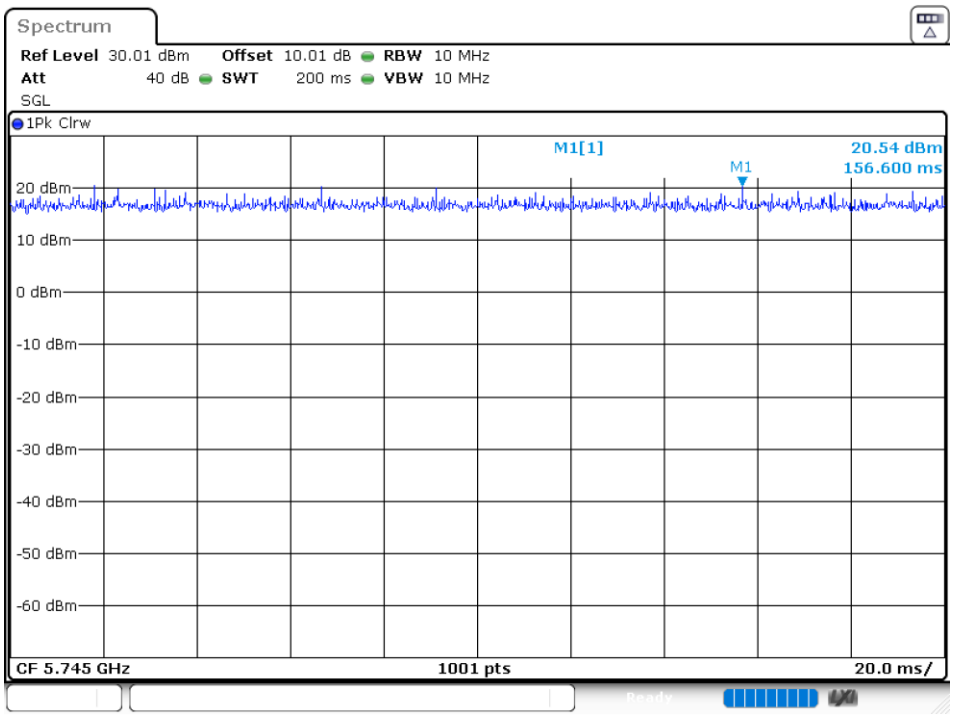
Duty Cycle NVNT 802.11ac20 5785MHz Ant 1



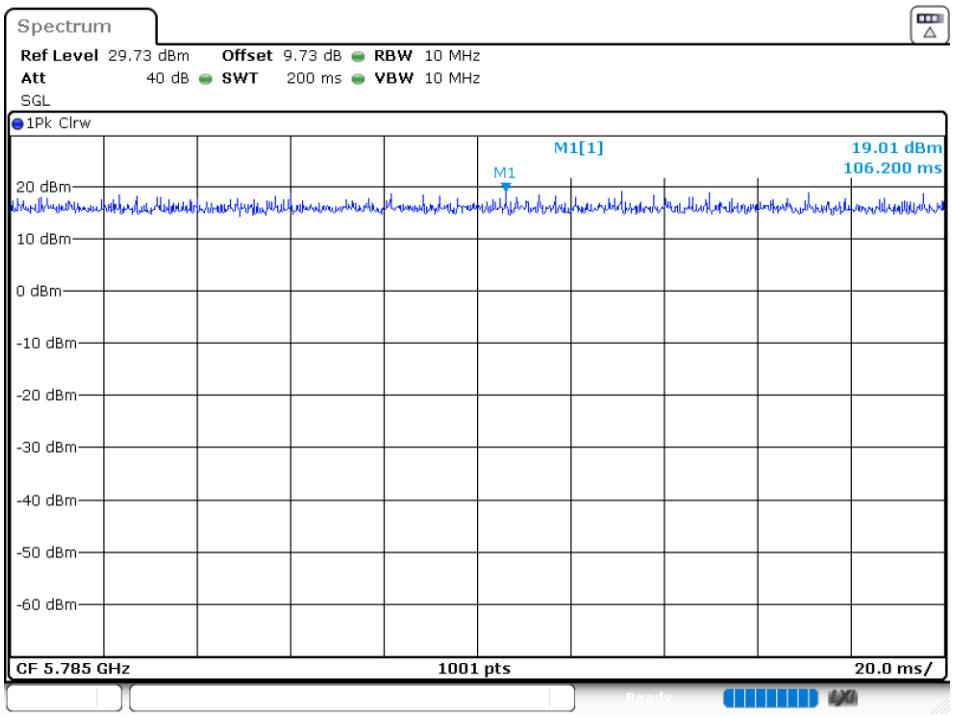
Duty Cycle NVNT 802.11ac20 5825MHz Ant 1



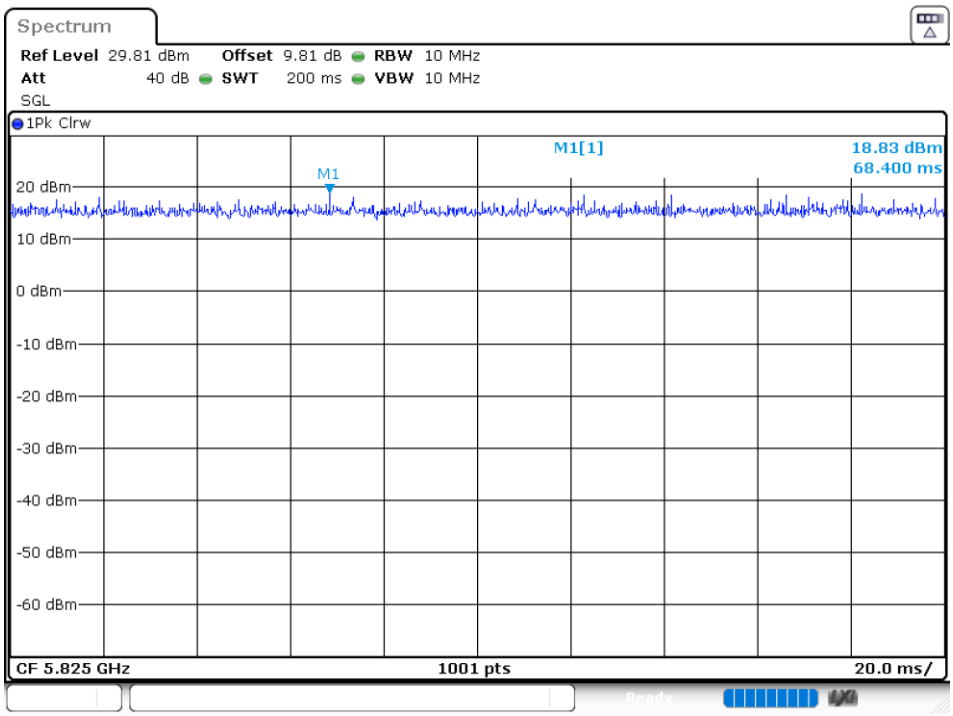
Duty Cycle NVNT 802.11ac20 5745MHz Ant 2



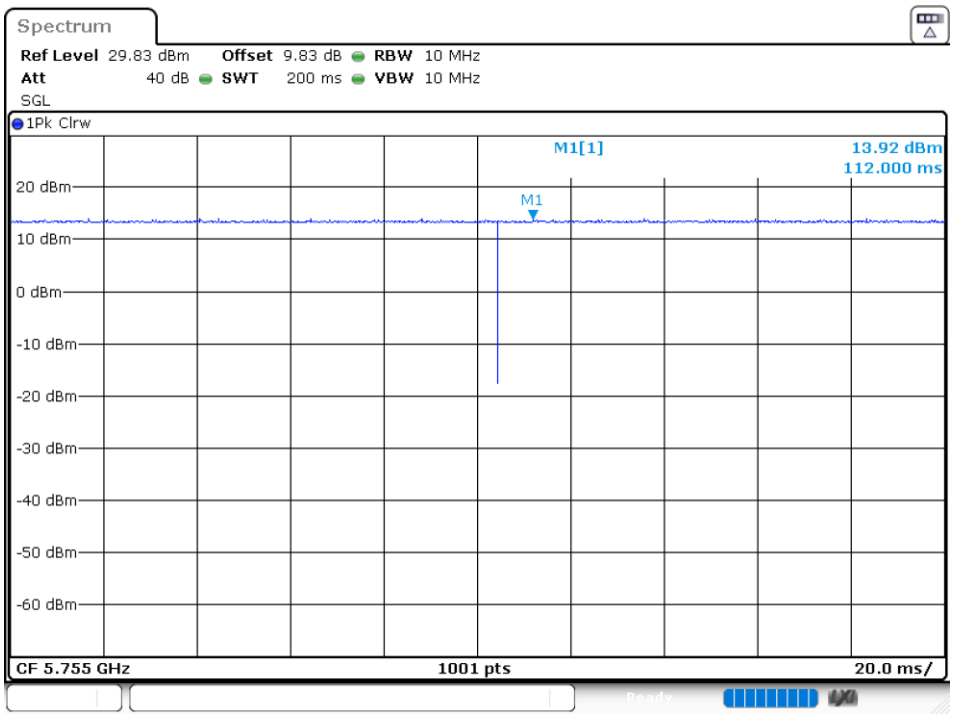
Duty Cycle NVNT 802.11ac20 5785MHz Ant 2



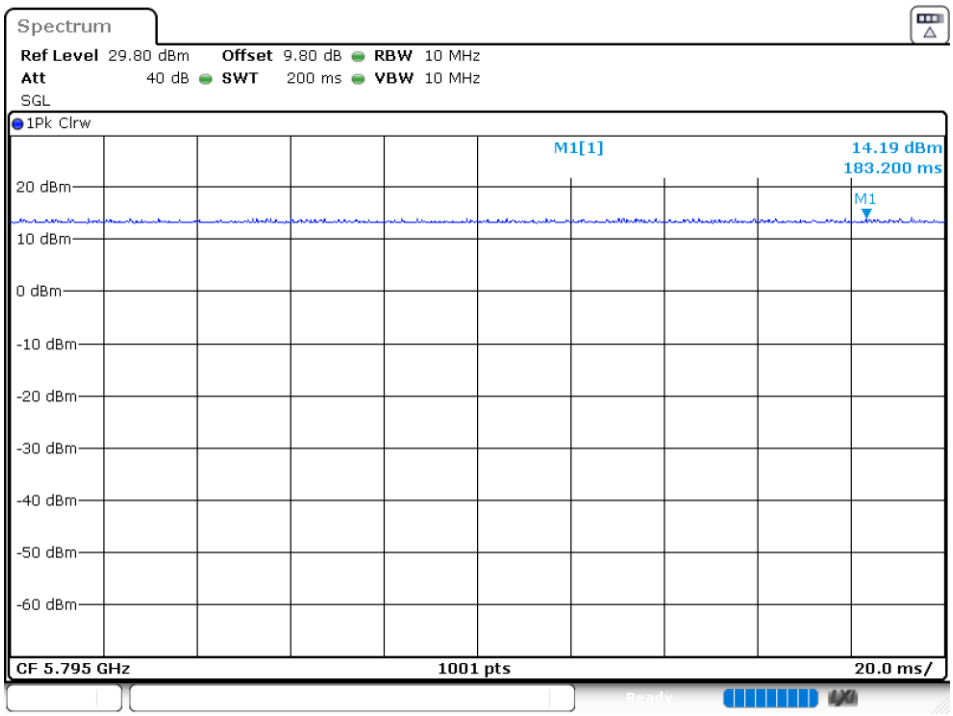
Duty Cycle NVNT 802.11ac20 5825MHz Ant 2



Duty Cycle NVNT 802.11ac40 5755MHz Ant 1



Duty Cycle NVNT 802.11ac40 5795MHz Ant 1



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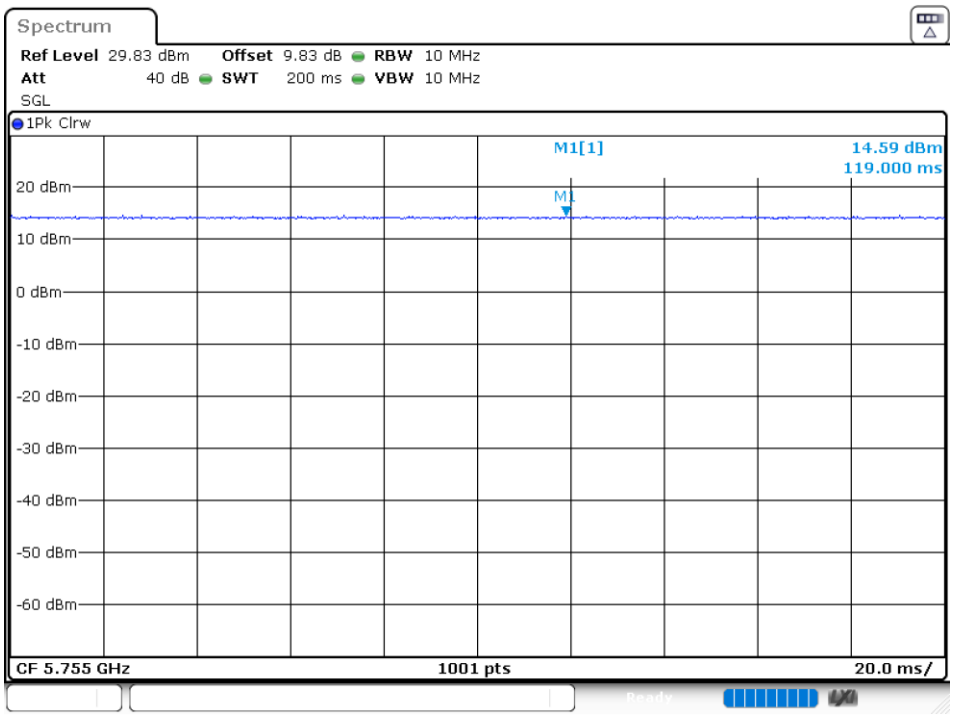
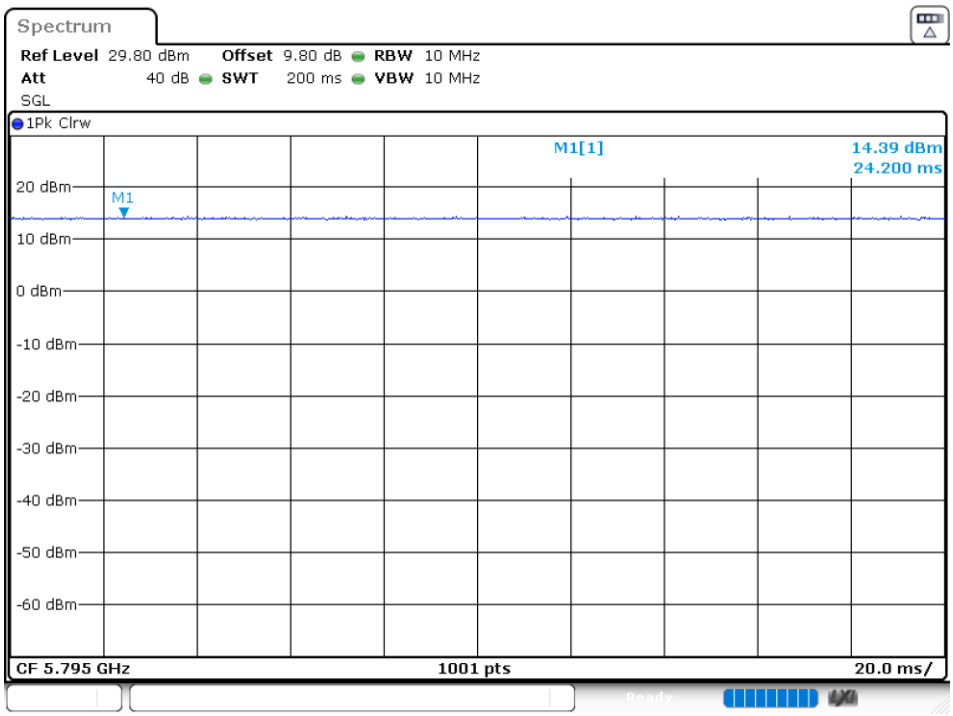
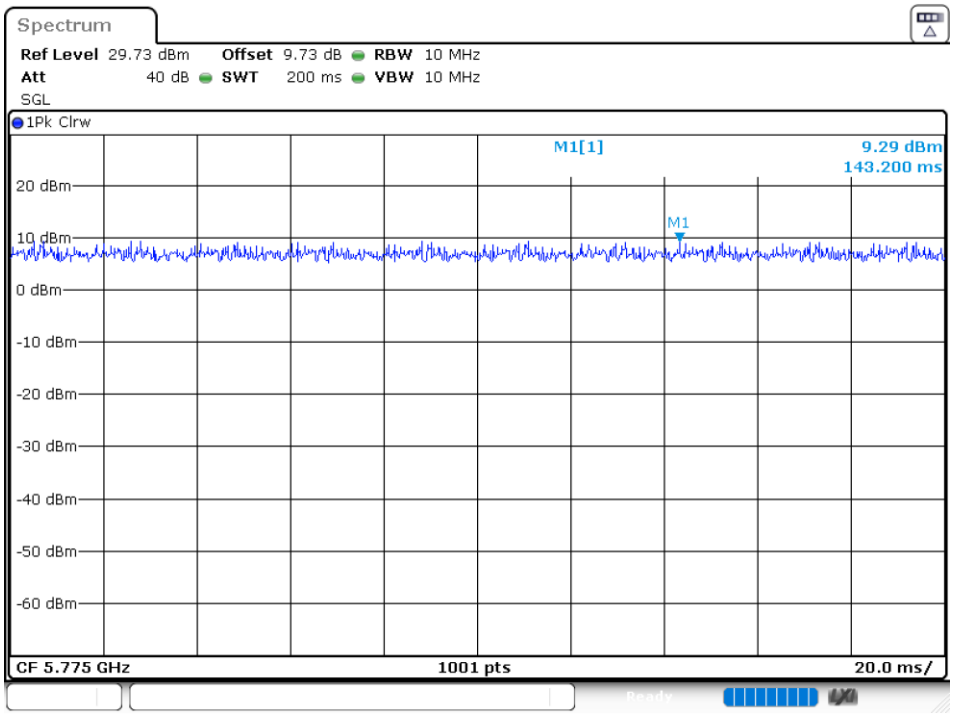


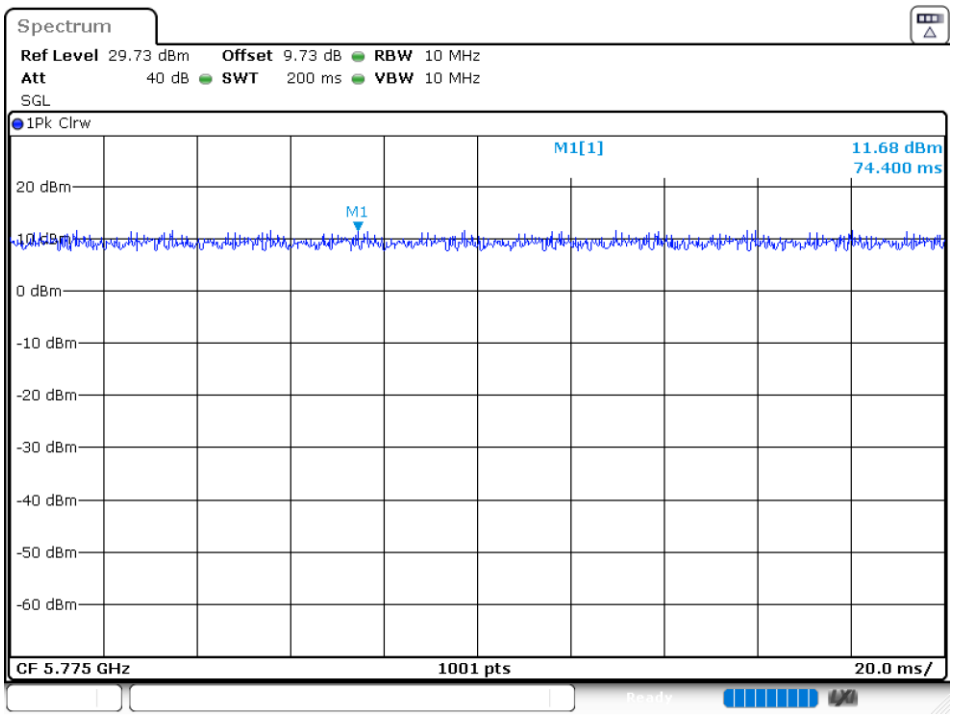
Duty Cycle NVNT 802.11ac40 5795MHz Ant 2



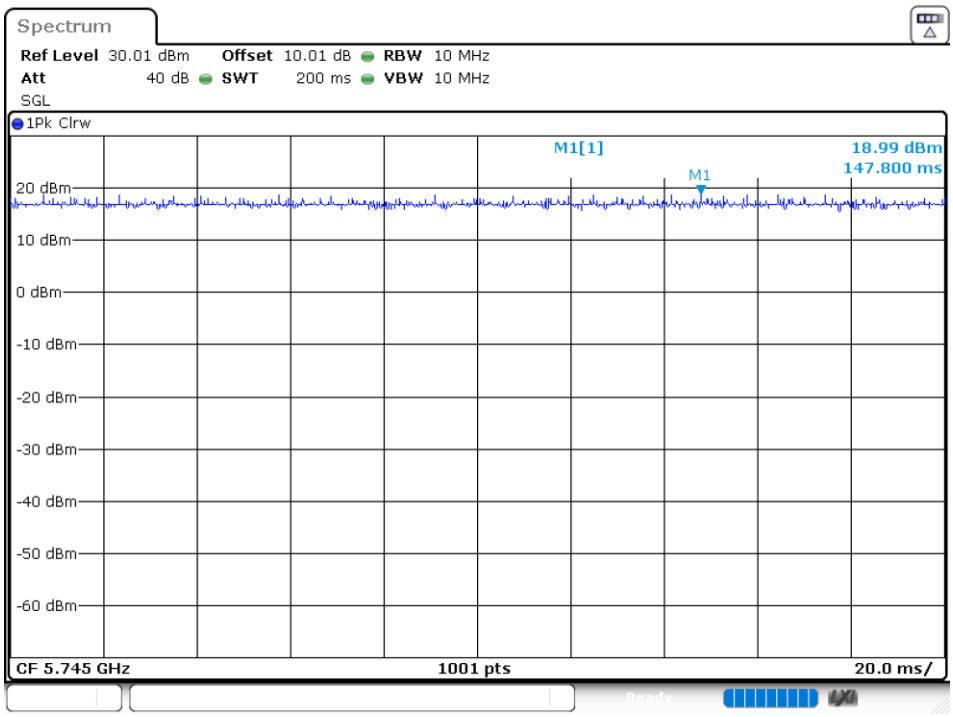
Duty Cycle NVNT 802.11ac80 5775MHz Ant 1



Duty Cycle NVNT 802.11ac80 5775MHz Ant 2



Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 1



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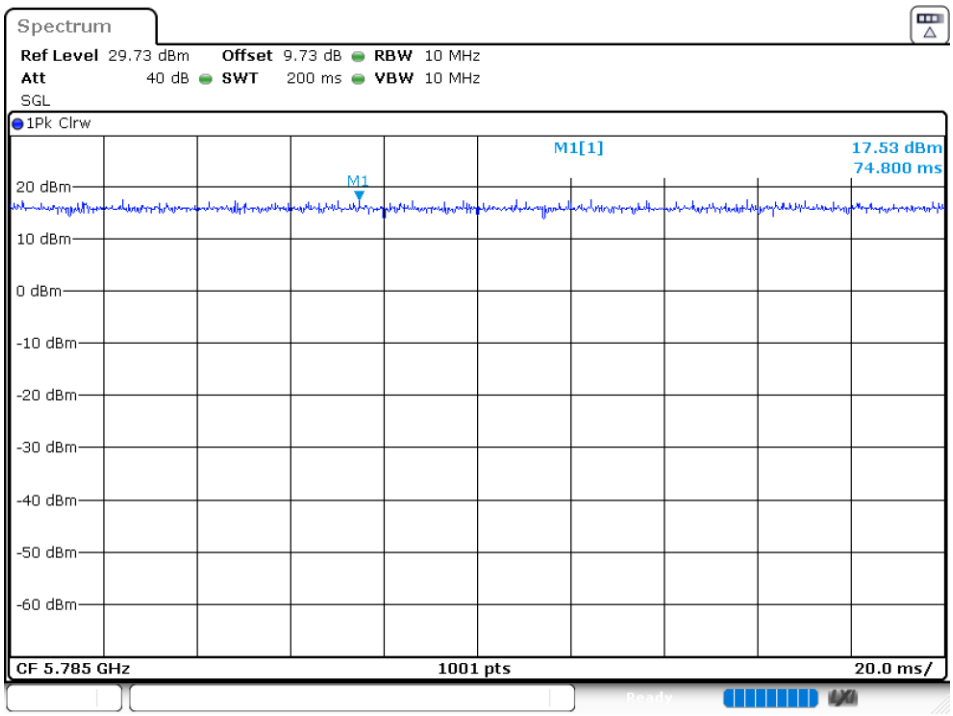

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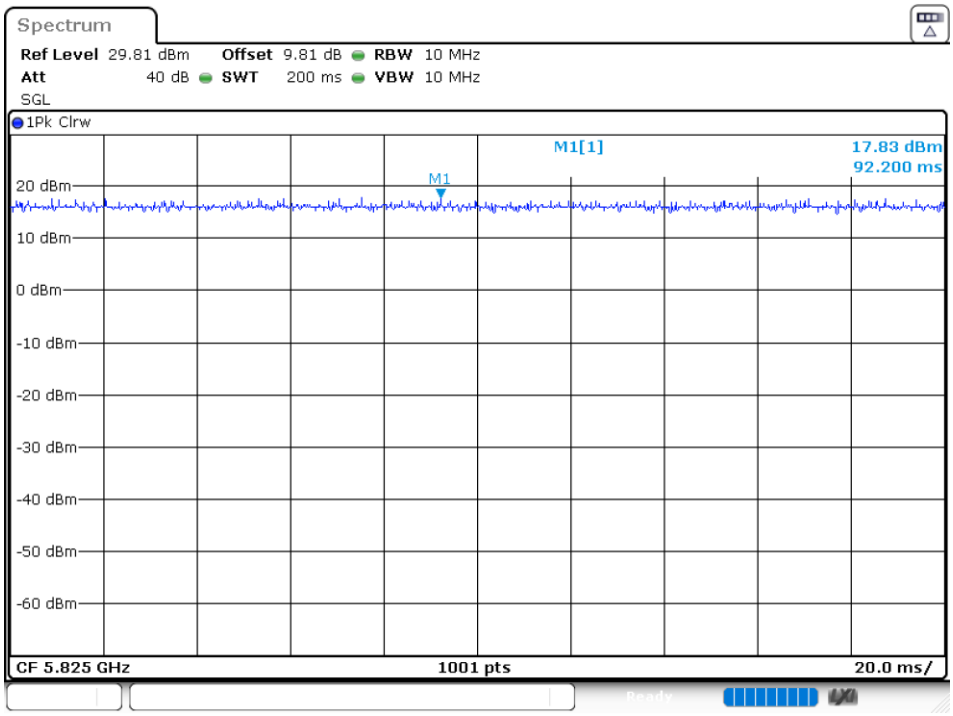
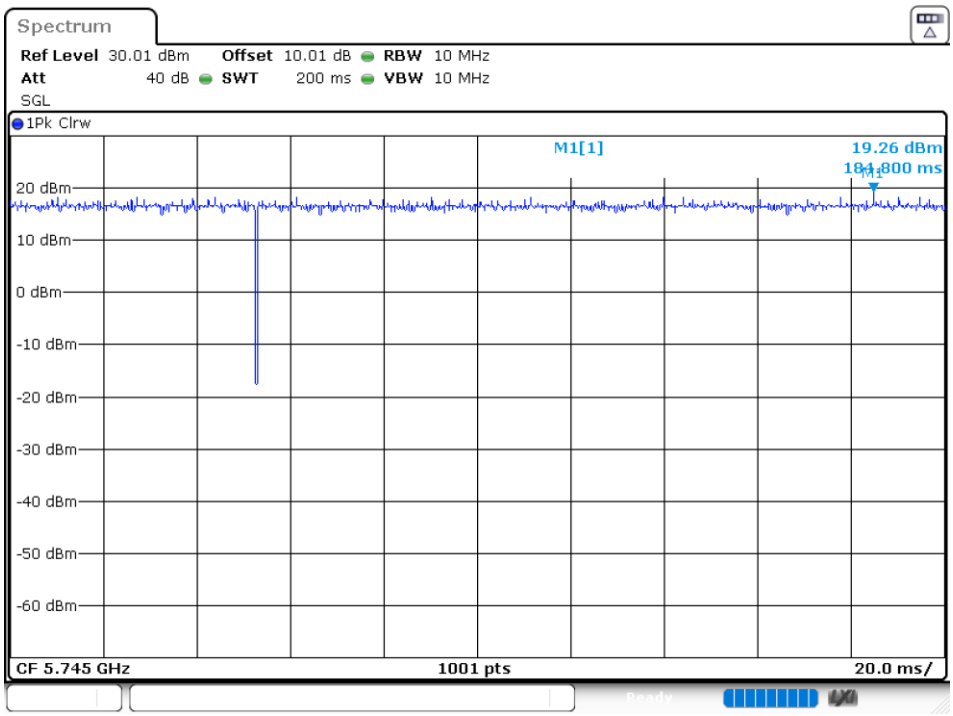
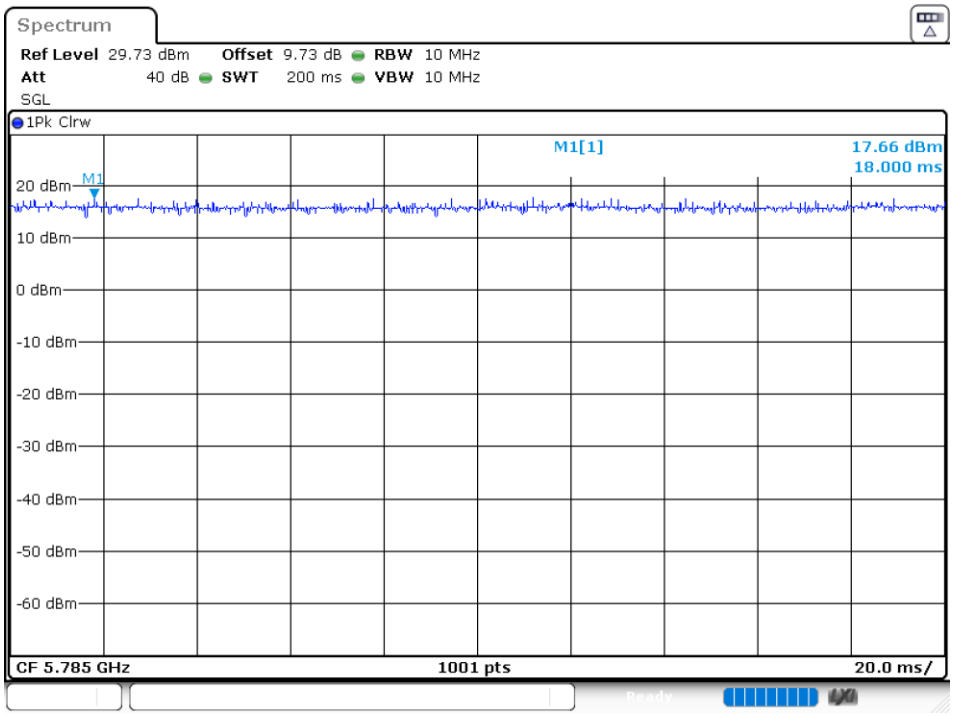


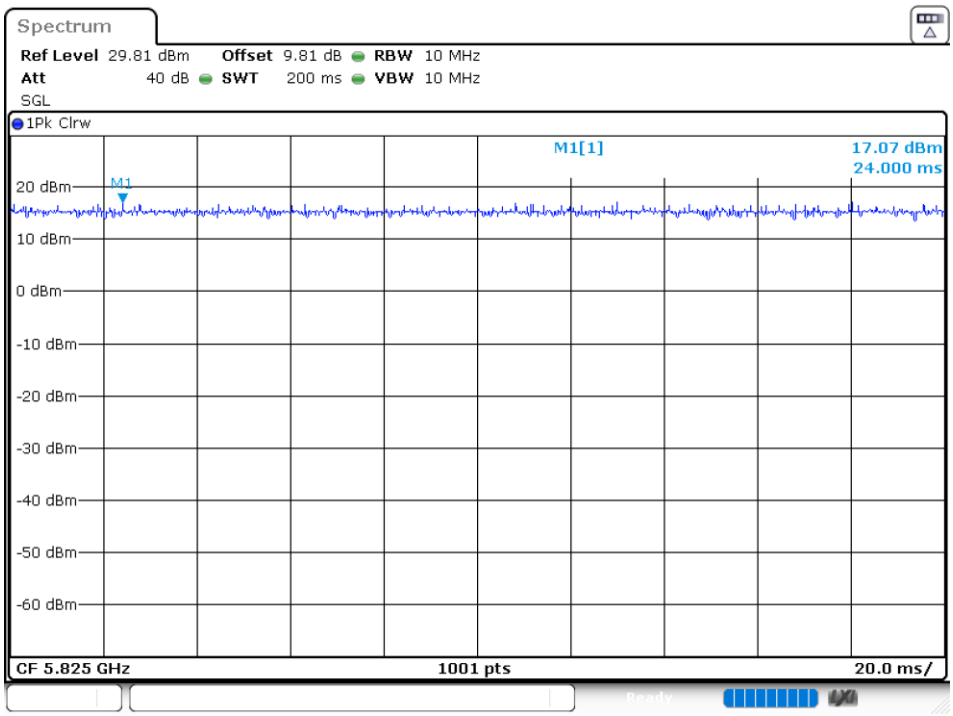
Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 2



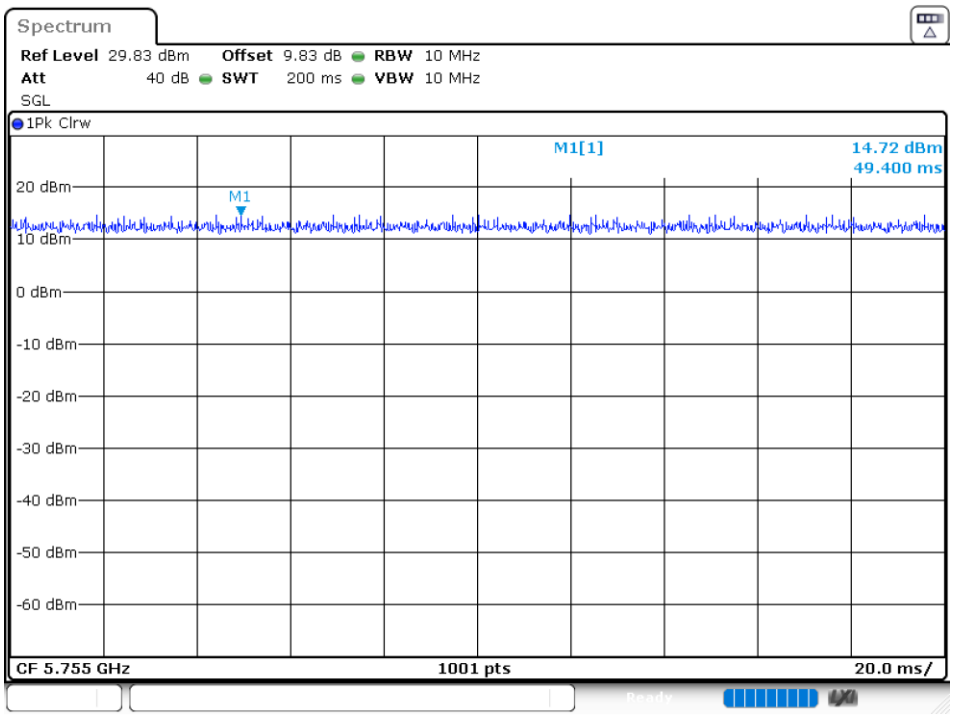
Duty Cycle NVNT 802.11n(HT20) 5785MHz Ant 2



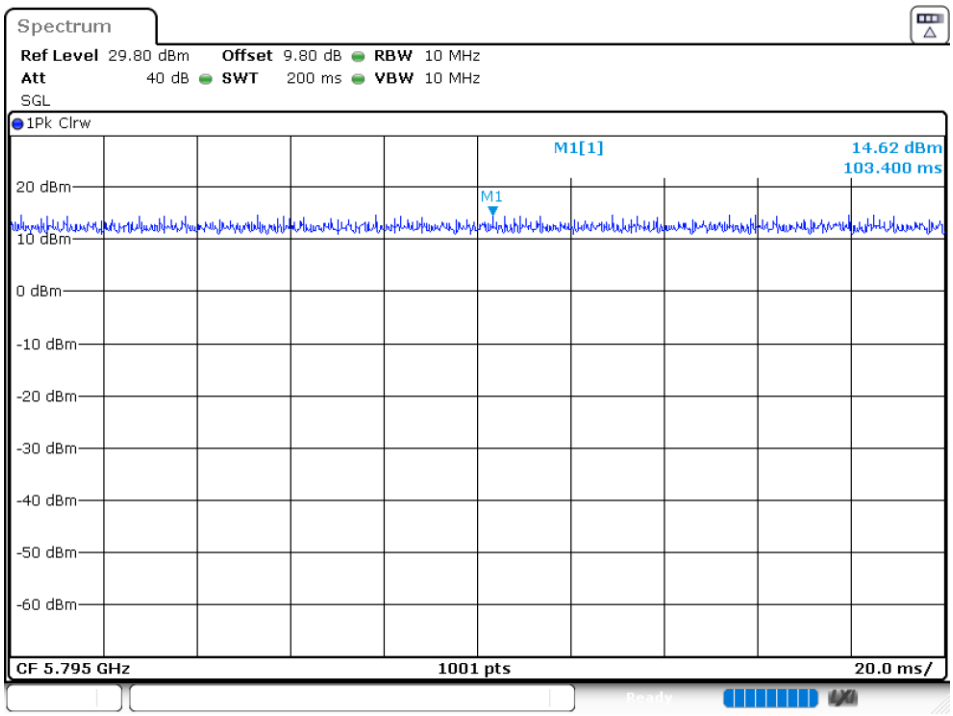
Duty Cycle NVNT 802.11n(HT20) 5825MHz Ant 2



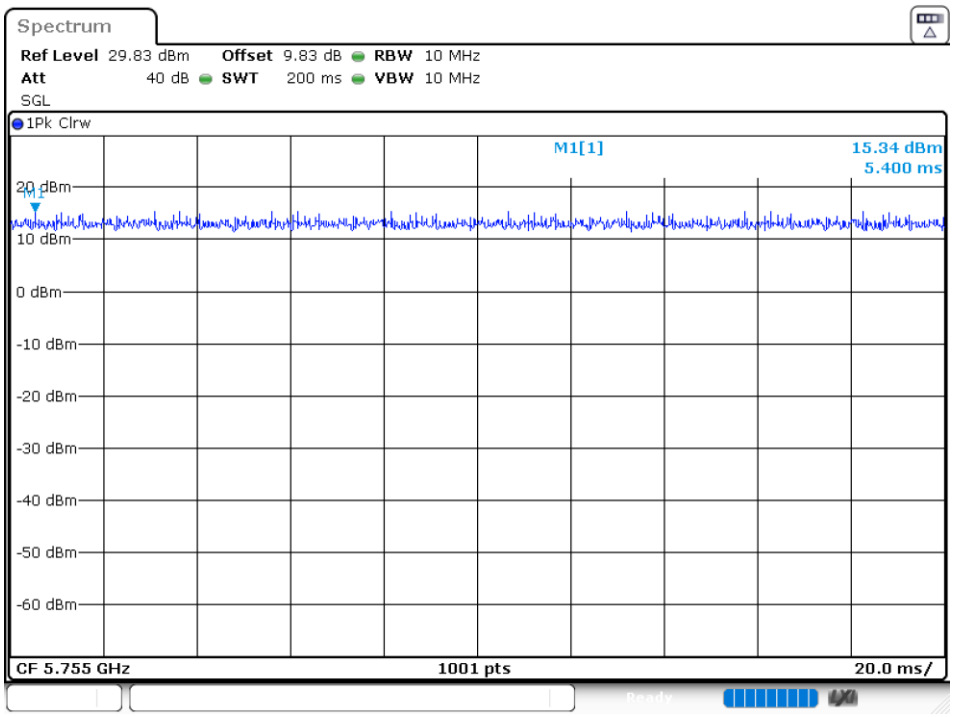
Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 1



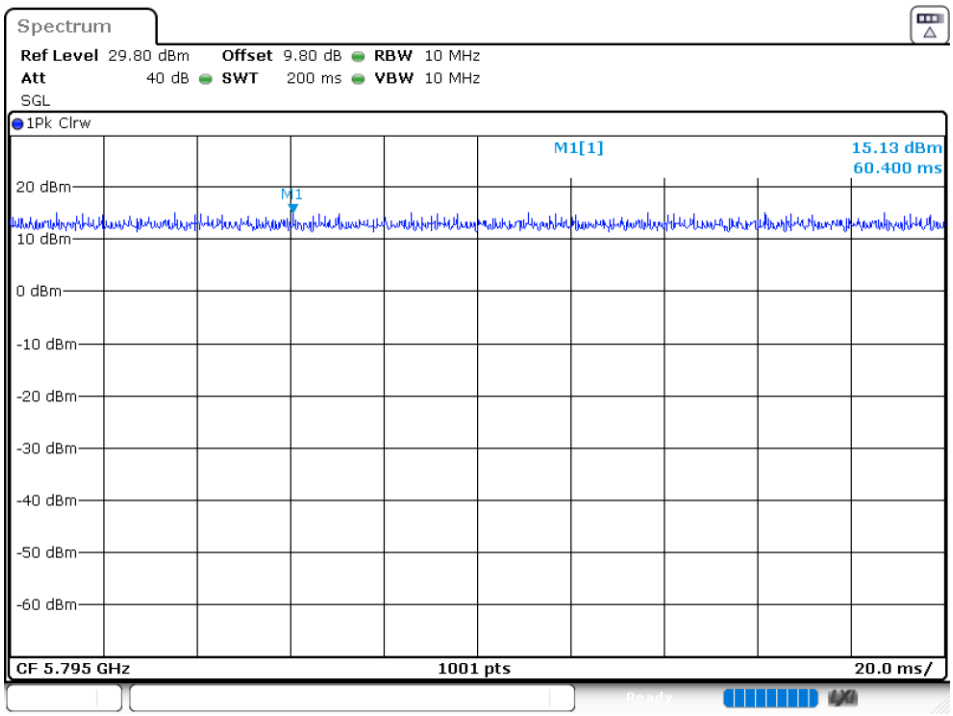
Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 1



Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 2



Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 2



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	SISO Power (dBm)	MIMO Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	9.74	0	9.74	N/A	30	Pass
NVNT	802.11a	5785	Ant 1	10.01	0	10.01	N/A	30	Pass
NVNT	802.11a	5825	Ant 1	10.18	0	10.18	N/A	30	Pass

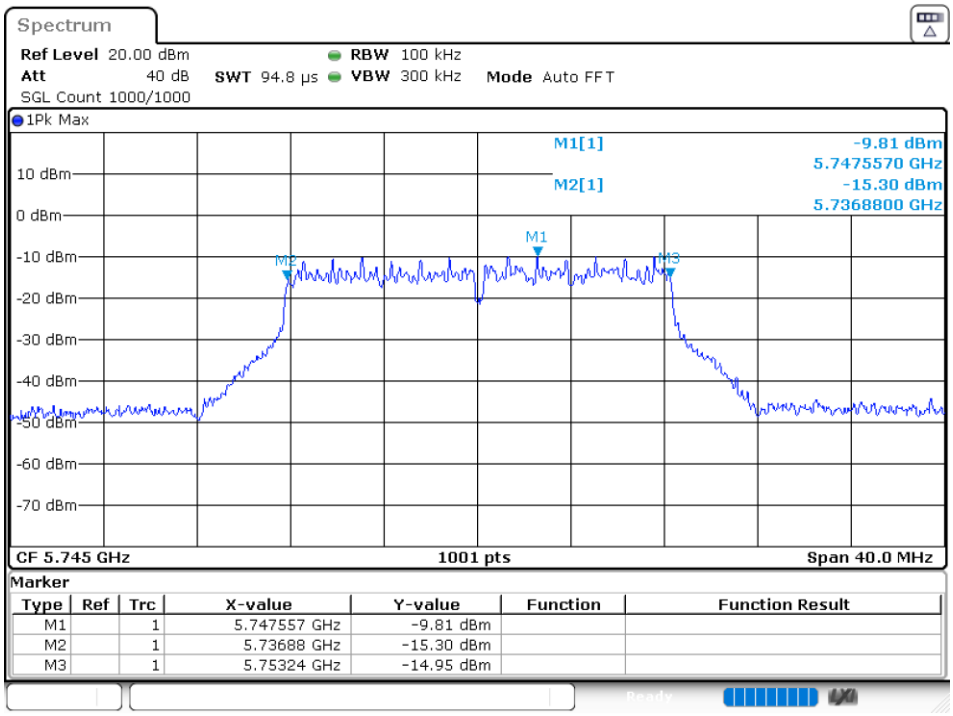
NVNT	802.11a	5745	Ant 2	9.31	0	9.31	N/A	30	Pass
NVNT	802.11a	5785	Ant 2	8.57	0	8.57	N/A	30	Pass
NVNT	802.11a	5825	Ant 2	8.16	0	8.16	N/A	30	Pass
NVNT	802.11ac20	5745	Ant 1	9.86	0	9.86	12.03	30	Pass
NVNT	802.11ac20	5745	Ant 2	7.98	0	7.98			
NVNT	802.11ac20	5785	Ant 1	9.62	0	9.62	11.62	30	Pass
NVNT	802.11ac20	5785	Ant 2	7.3	0	7.3			
NVNT	802.11ac20	5825	Ant 1	9.98	0	9.98	11.73	30	Pass
NVNT	802.11ac20	5825	Ant 2	6.95	0	6.95			
NVNT	802.11ac40	5755	Ant 1	7.77	0	7.77	11.00	30	Pass
NVNT	802.11ac40	5755	Ant 2	8.2	0	8.2			
NVNT	802.11ac40	5795	Ant 1	7.56	0	7.56	10.76	30	Pass
NVNT	802.11ac40	5795	Ant 2	7.94	0	7.94			
NVNT	802.11ac80	5775	Ant 1	6.73	0	6.73	10.92	30	Pass
NVNT	802.11ac80	5775	Ant 2	8.83	0	8.83			
NVNT	802.11n(HT20)	5745	Ant 1	8.62	0	8.62	11.40	30	Pass
NVNT	802.11n(HT20)	5745	Ant 2	8.15	0	8.15			
NVNT	802.11n(HT20)	5785	Ant 1	7.5	0	7.5	10.52	30	Pass
NVNT	802.11n(HT20)	5785	Ant 2	7.52	0	7.52			
NVNT	802.11n(HT20)	5825	Ant 1	7.88	0	7.88	10.48	30	Pass
NVNT	802.11n(HT20)	5825	Ant 2	7.01	0	7.01			
NVNT	802.11n(HT40)	5755	Ant 1	7.8	0	7.8	10.99	30	Pass
NVNT	802.11n(HT40)	5755	Ant 2	8.15	0	8.15			
NVNT	802.11n(HT40)	5795	Ant 1	7.41	0	7.41	10.67	30	Pass
NVNT	802.11n(HT40)	5795	Ant 2	7.89	0	7.89			

-6dB Emission Bandwidth

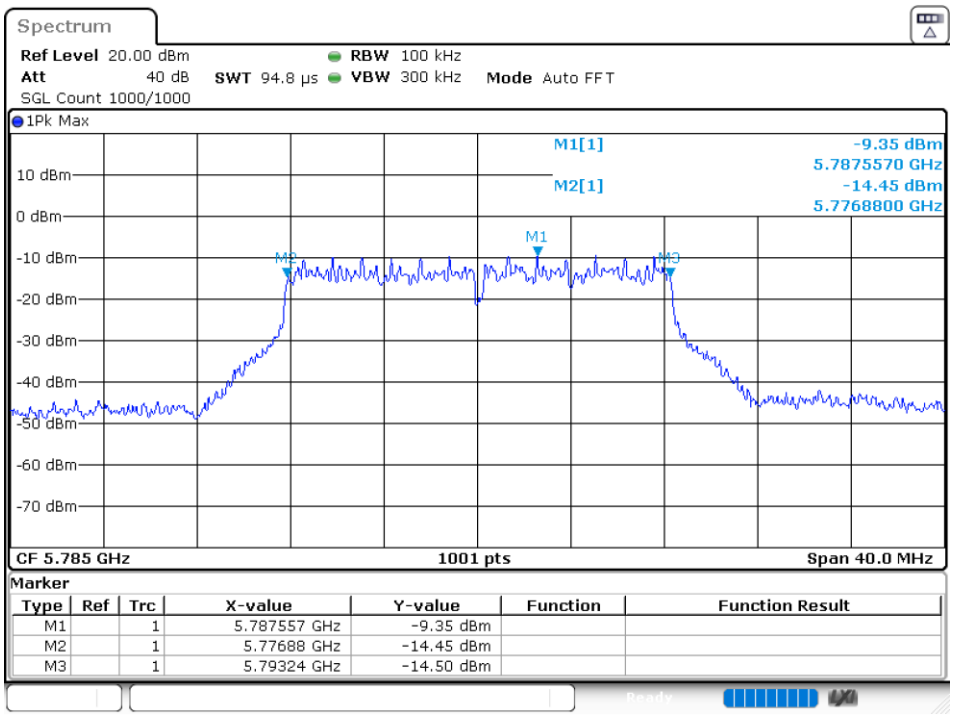
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.36	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.36	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.36	0.5	Pass
NVNT	802.11a	5745	Ant 2	16.36	0.5	Pass
NVNT	802.11a	5785	Ant 2	16.36	0.5	Pass
NVNT	802.11a	5825	Ant 2	16.04	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	17.52	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.56	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	16.92	0.5	Pass
NVNT	802.11ac20	5745	Ant 2	16.68	0.5	Pass
NVNT	802.11ac20	5785	Ant 2	17.56	0.5	Pass
NVNT	802.11ac20	5825	Ant 2	16.56	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	36.4	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.4	0.5	Pass
NVNT	802.11ac40	5755	Ant 2	36.4	0.5	Pass
NVNT	802.11ac40	5795	Ant 2	36.48	0.5	Pass

NVNT	802.11ac80	5775	Ant 1	76	0.5	Pass
NVNT	802.11ac80	5775	Ant 2	75.84	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.76	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.72	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.68	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 2	17.72	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 2	17.72	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 2	17.68	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.48	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.48	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 2	36.48	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 2	36.48	0.5	Pass

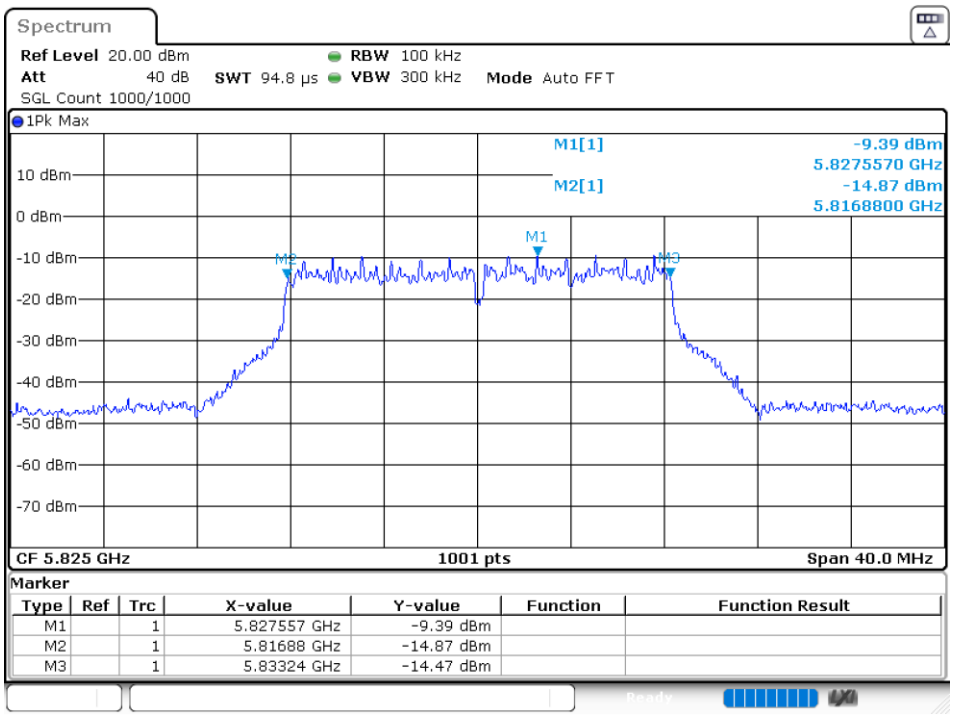
EBW NVNT 802.11a 5745MHz Ant 1



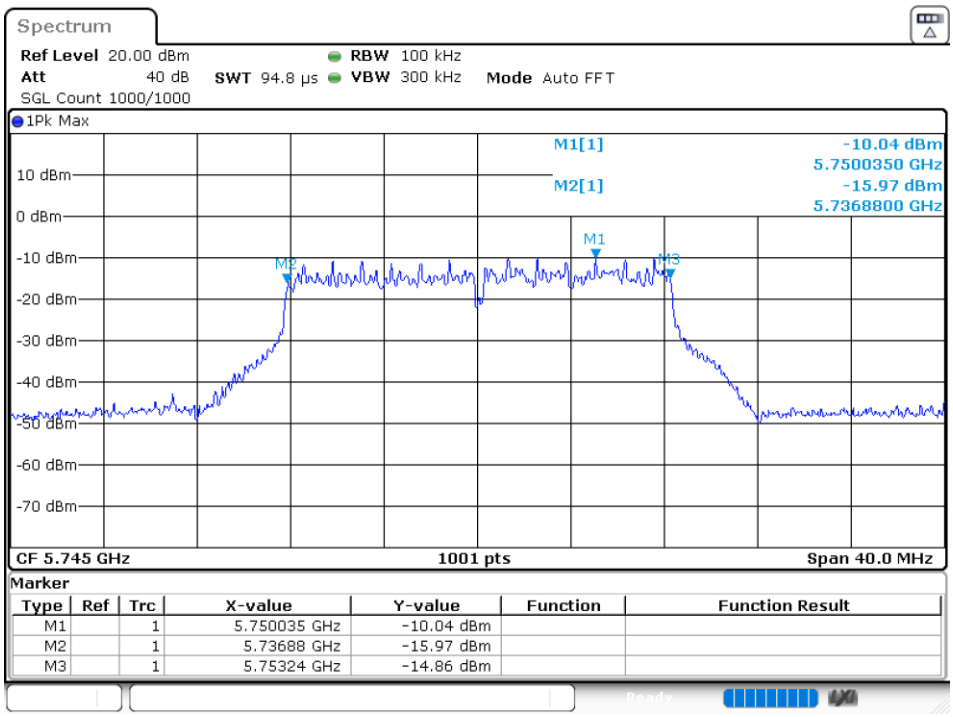
EBW NVNT 802.11a 5785MHz Ant 1



EBW NVNT 802.11a 5825MHz Ant 1



EBW NVNT 802.11a 5745MHz Ant 2



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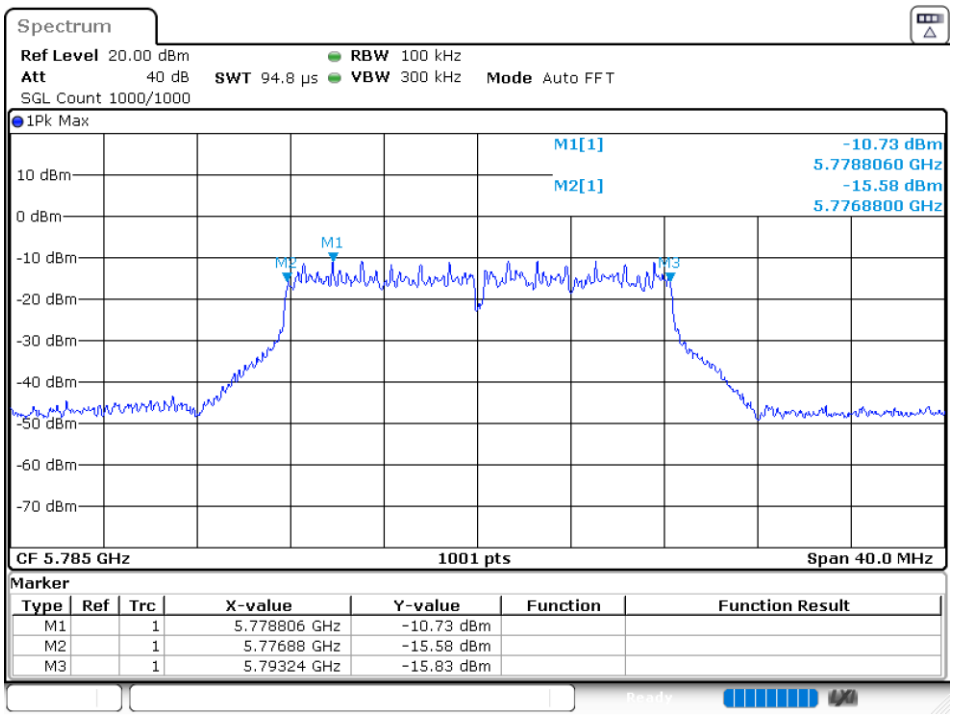
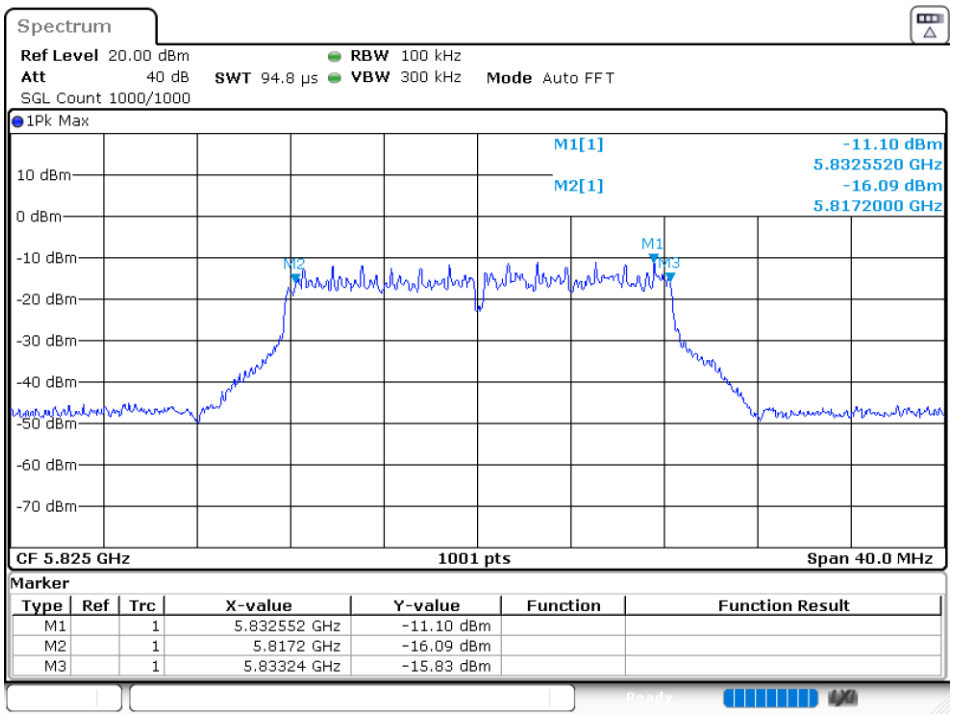


EBW NVNT 802.11a 5825MHz Ant 2



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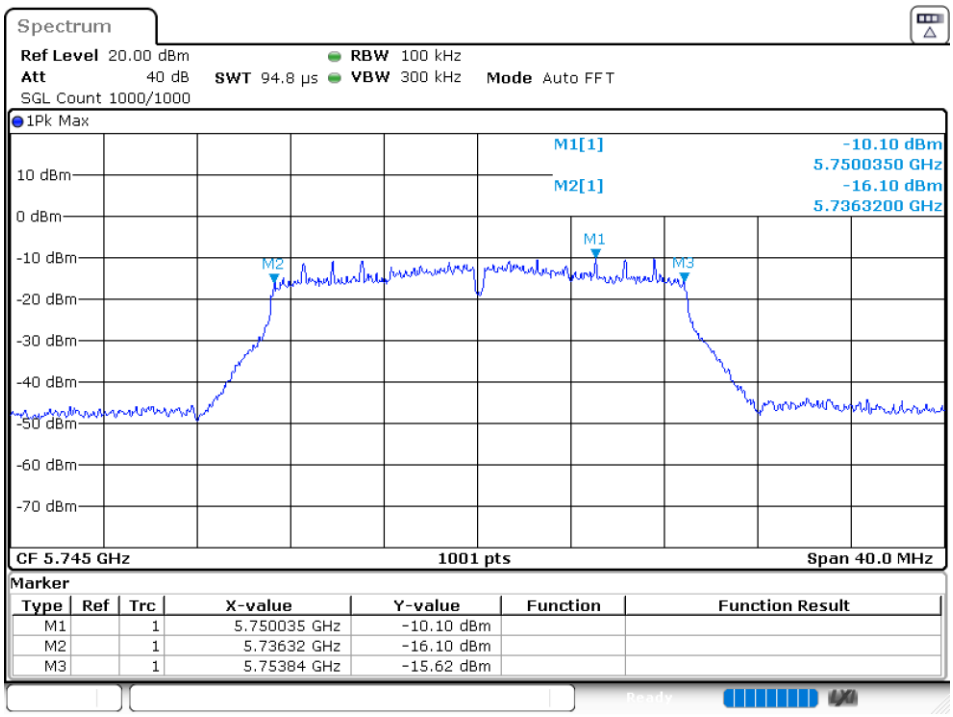
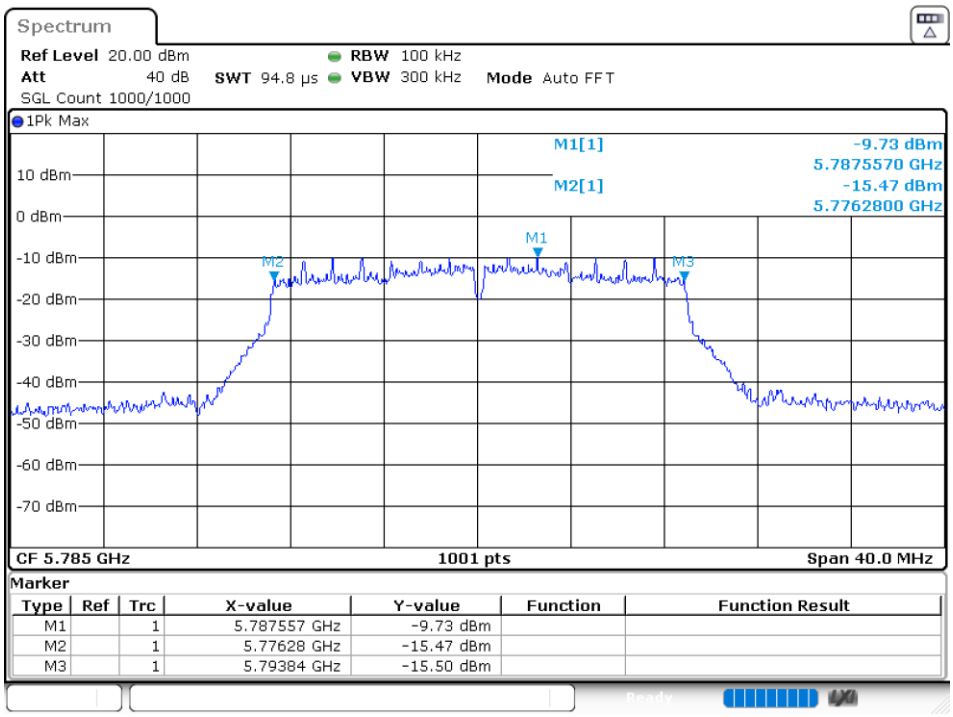
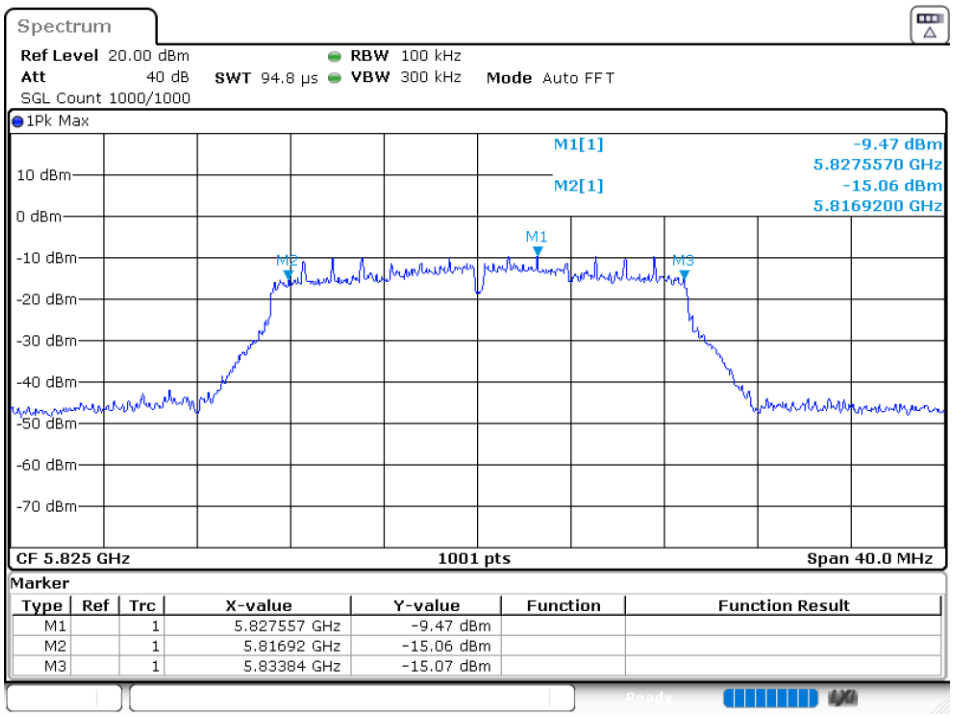


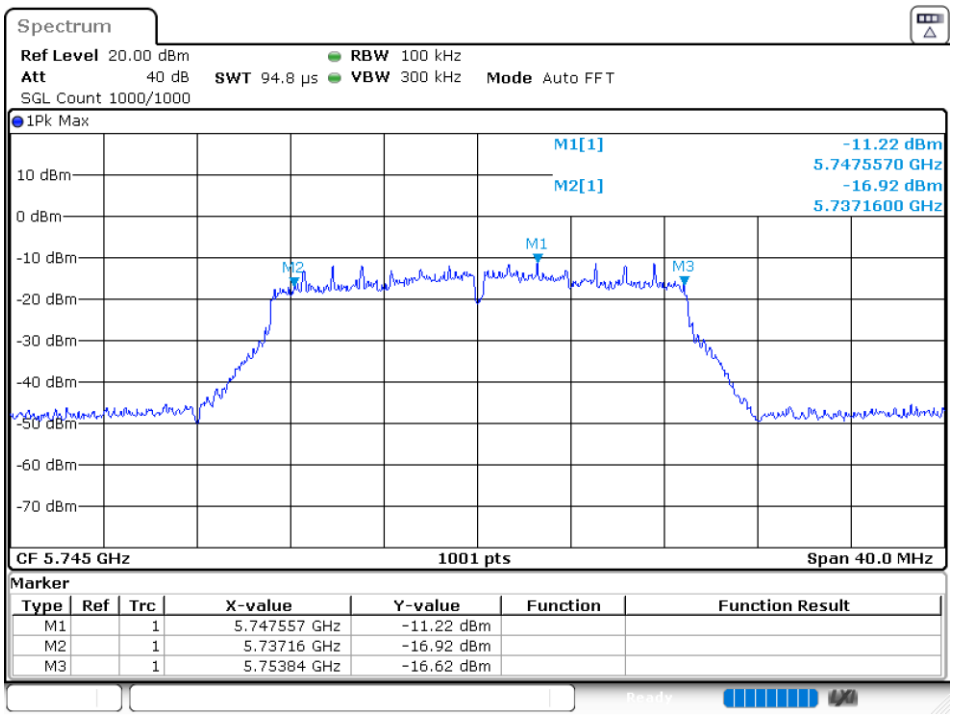
EBW NVNT 802.11ac20 5785MHz Ant 1



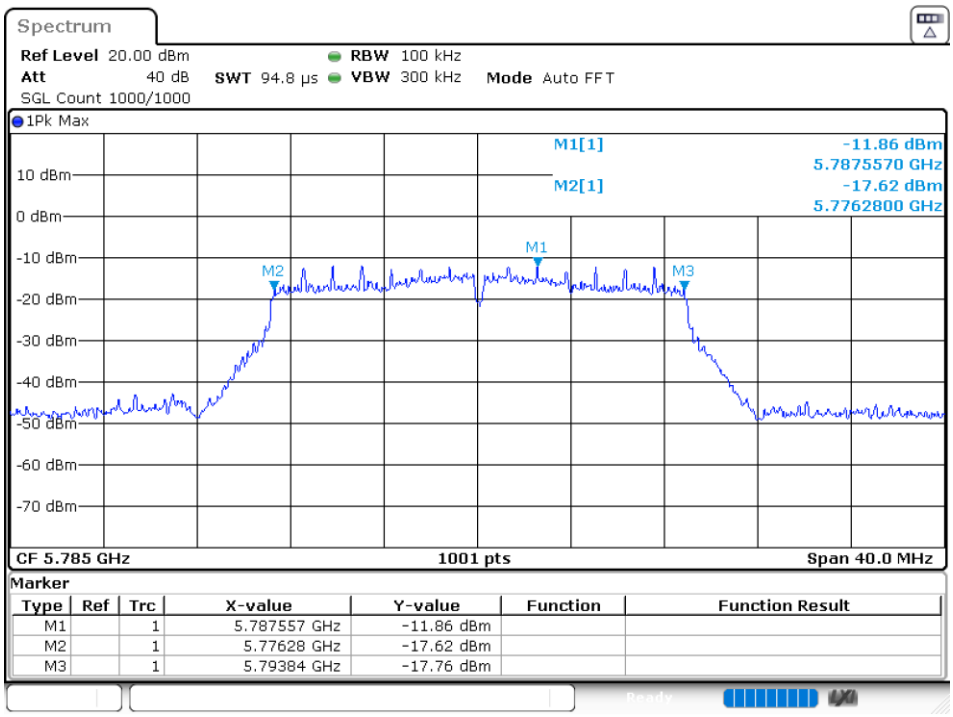
EBW NVNT 802.11ac20 5825MHz Ant 1



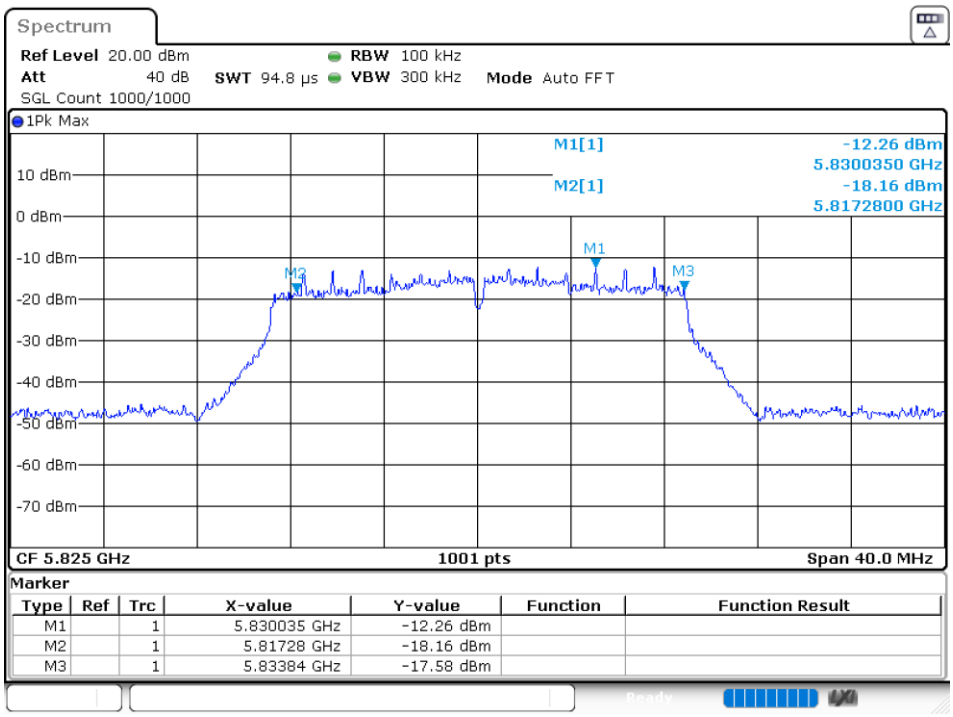
EBW NVNT 802.11ac20 5745MHz Ant 2



EBW NVNT 802.11ac20 5785MHz Ant 2



EBW NVNT 802.11ac20 5825MHz Ant 2



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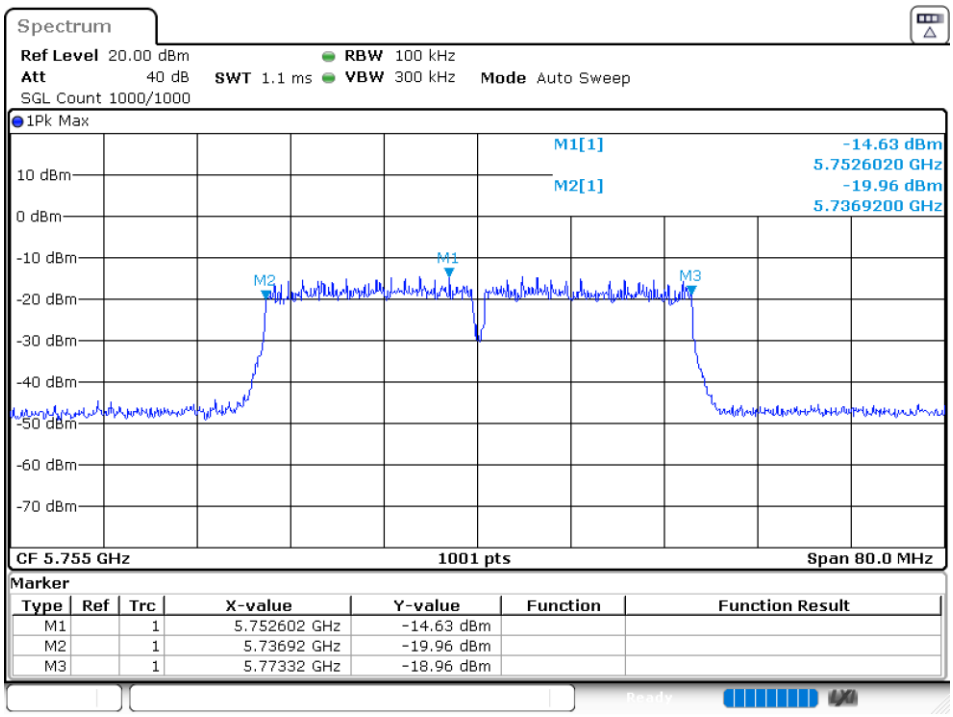
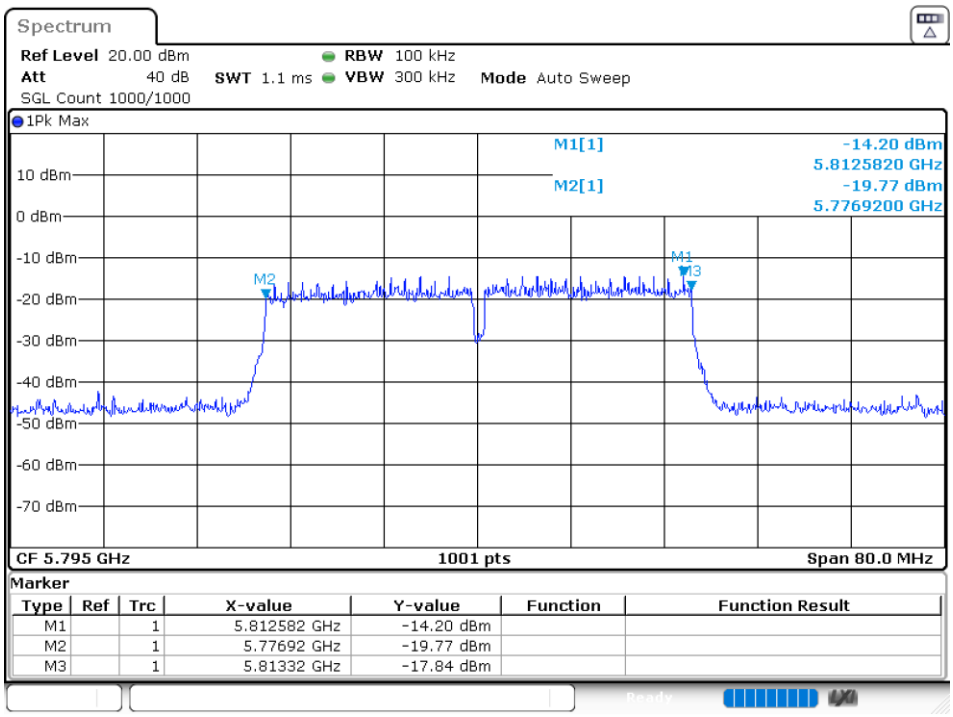
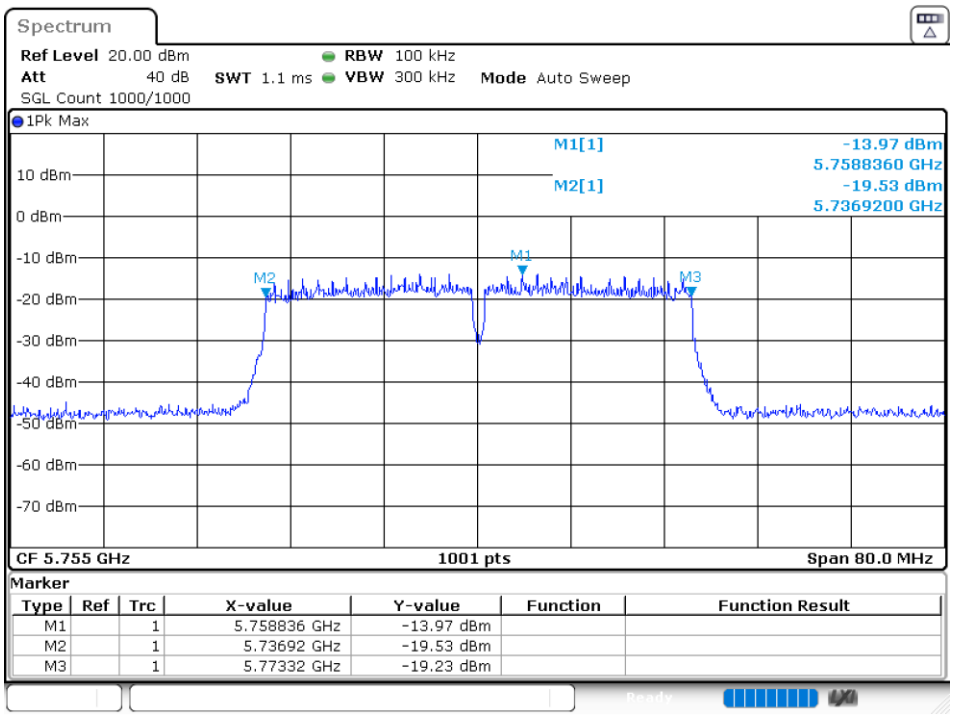


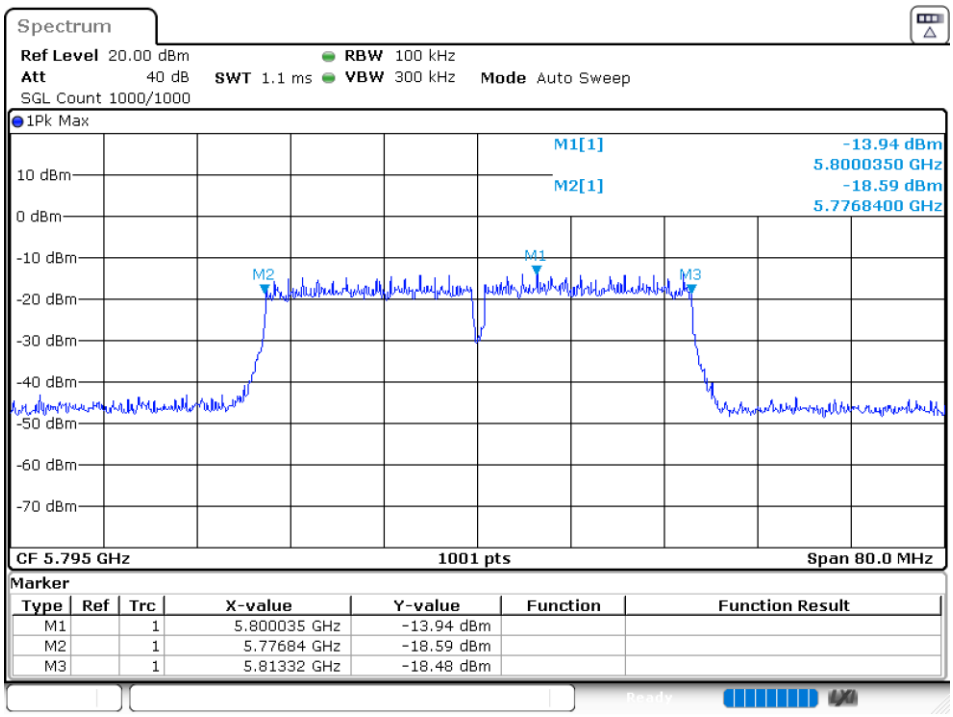
EBW NVNT 802.11ac40 5795MHz Ant 1



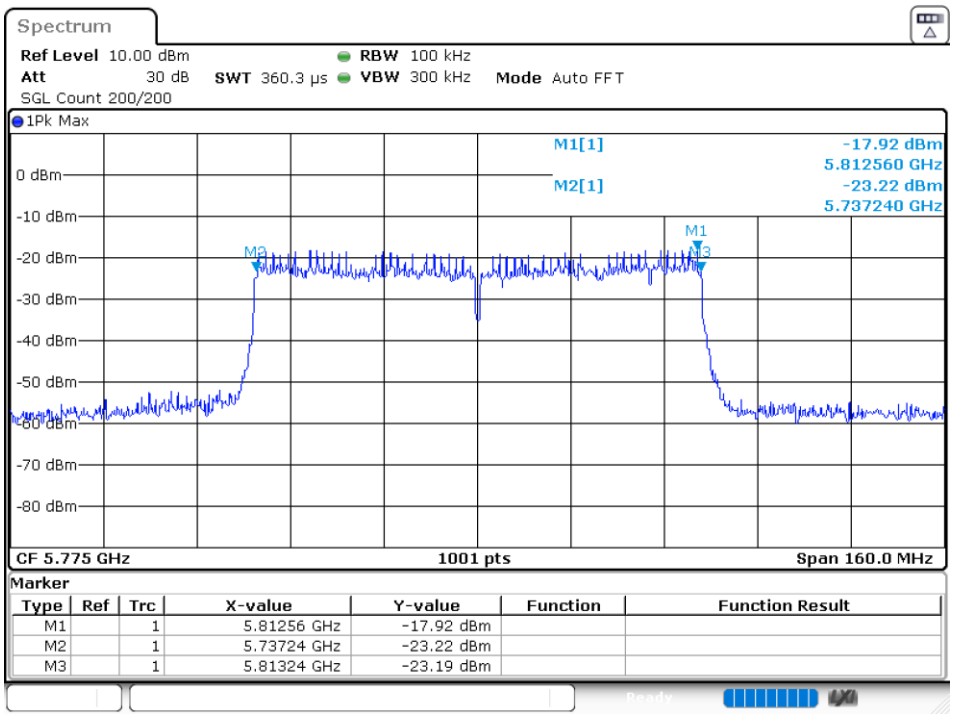
EBW NVNT 802.11ac40 5755MHz Ant 2



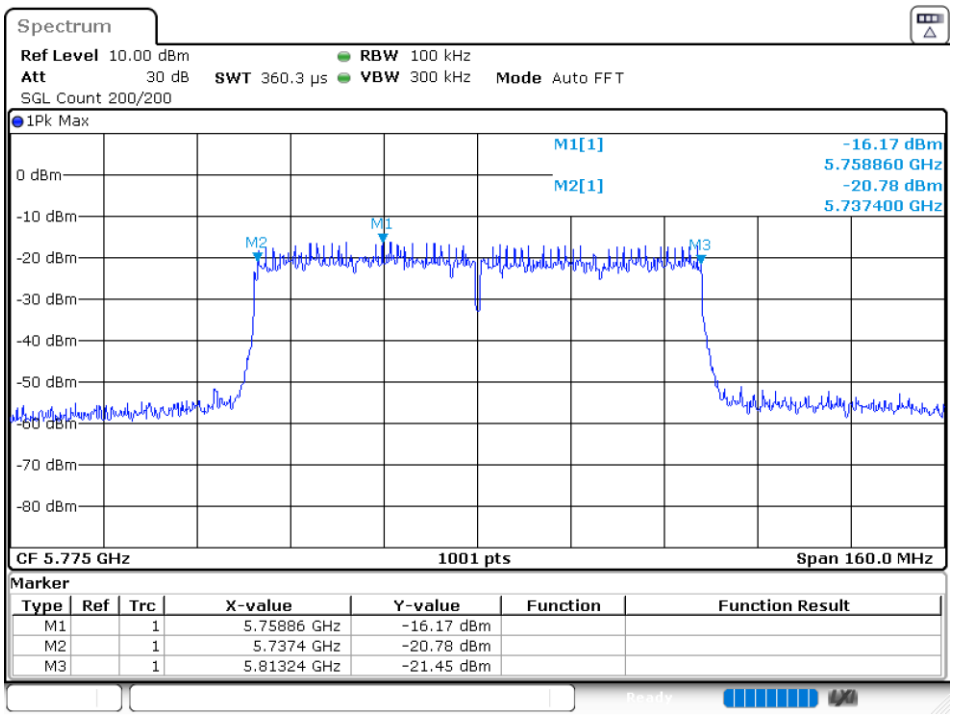
EBW NVNT 802.11ac40 5795MHz Ant 2



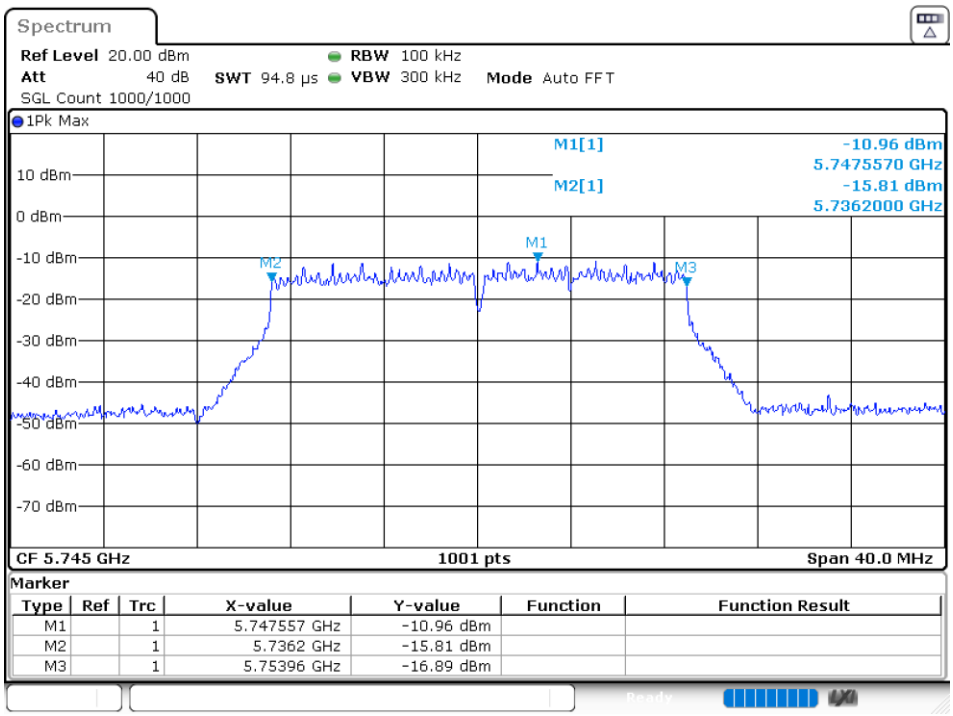
EBW NVNT 802.11ac80 5775MHz Ant 1



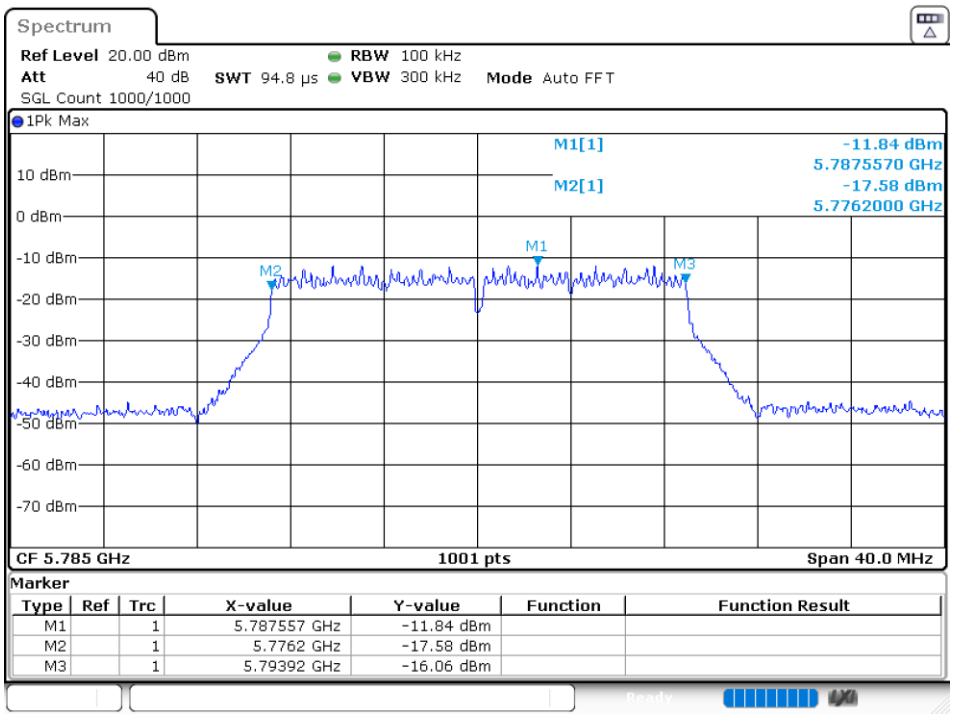
EBW NVNT 802.11ac80 5775MHz Ant 2



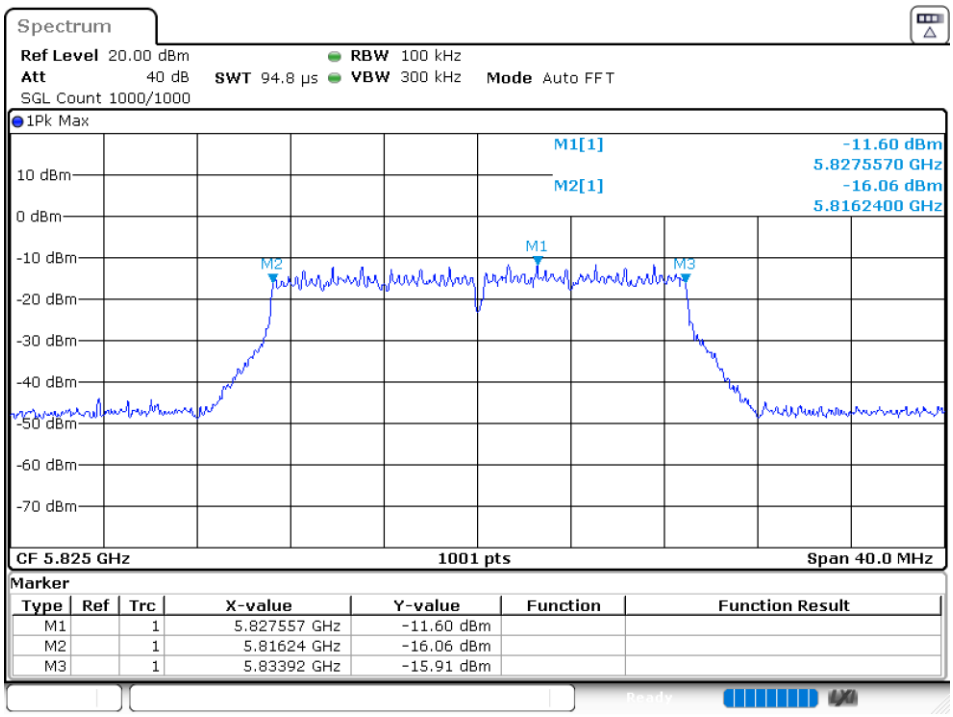
EBW NVNT 802.11n(HT20) 5745MHz Ant 1



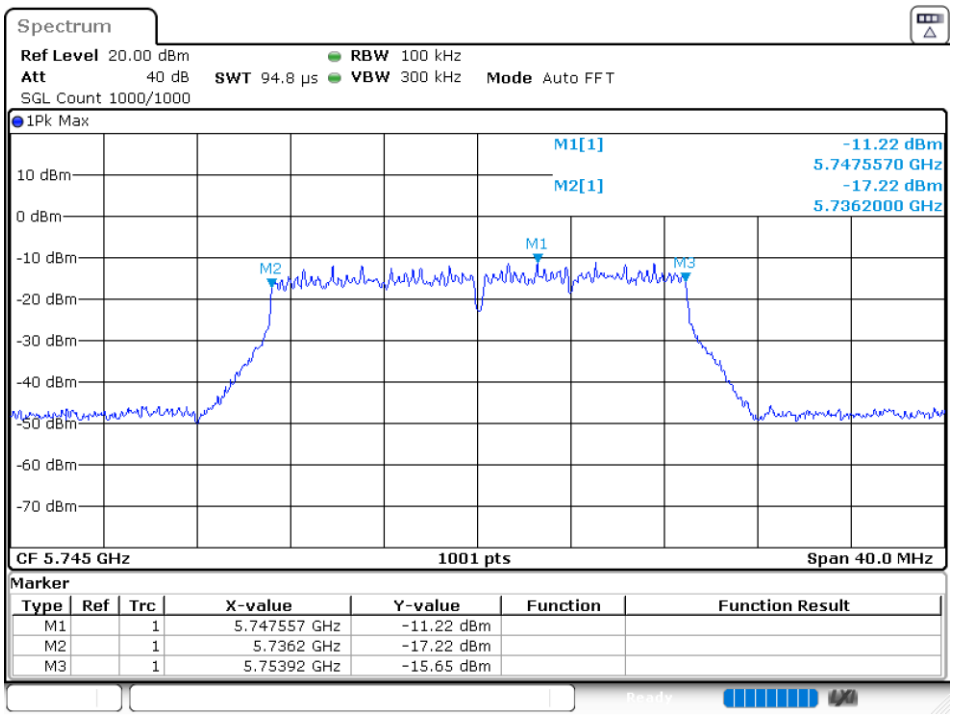
EBW NVNT 802.11n(HT20) 5785MHz Ant 1



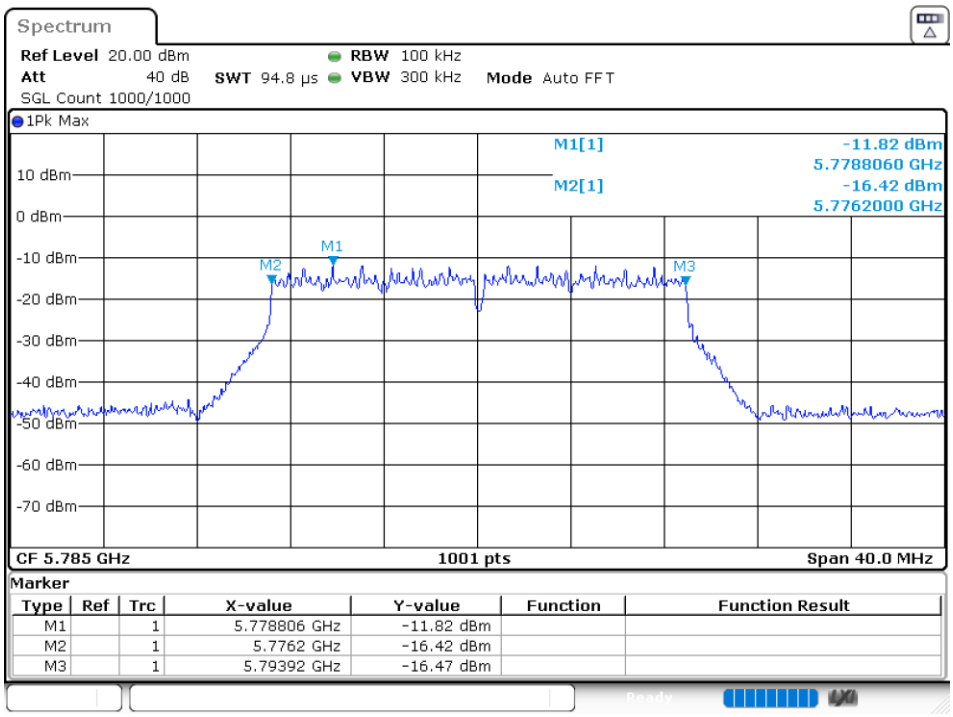
EBW NVNT 802.11n(HT20) 5825MHz Ant 1



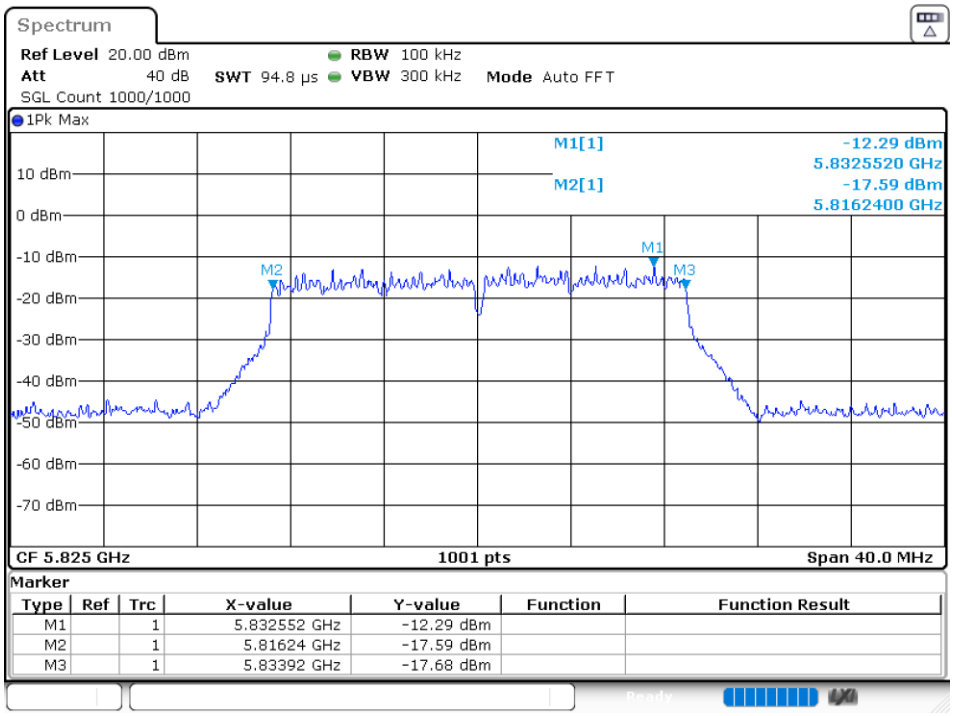
EBW NVNT 802.11n(HT20) 5745MHz Ant 2



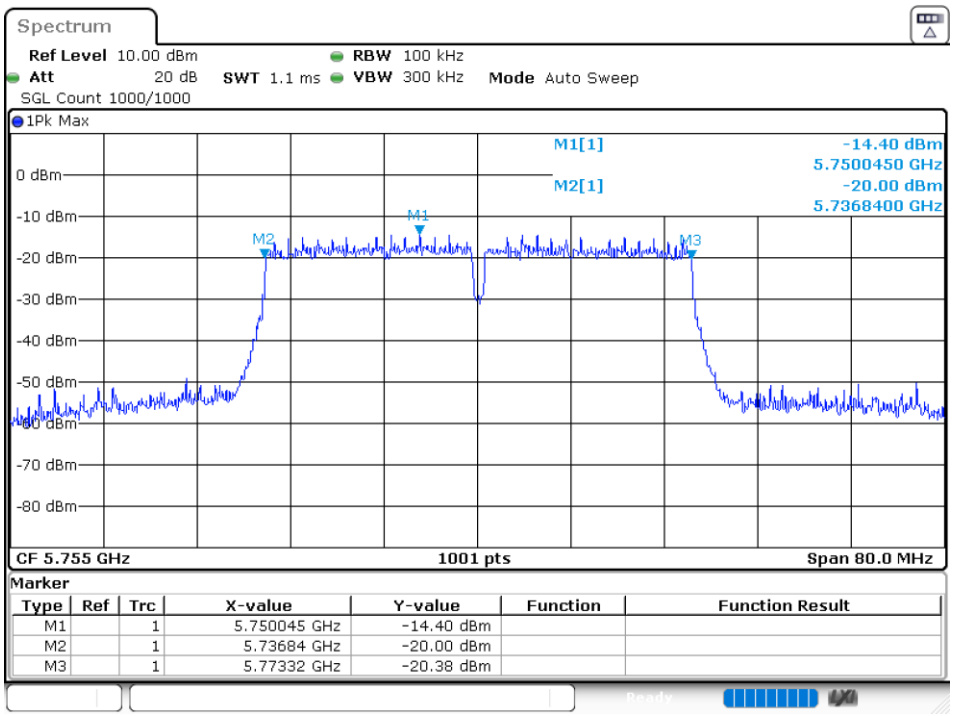
EBW NVNT 802.11n(HT20) 5785MHz Ant 2



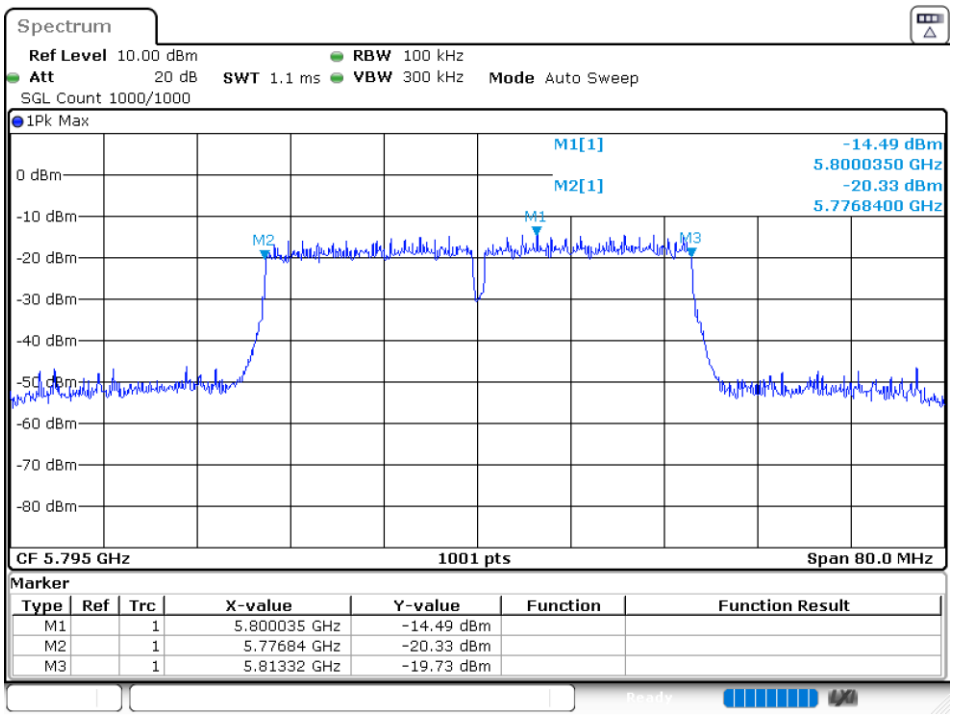
EBW NVNT 802.11n(HT20) 5825MHz Ant 2



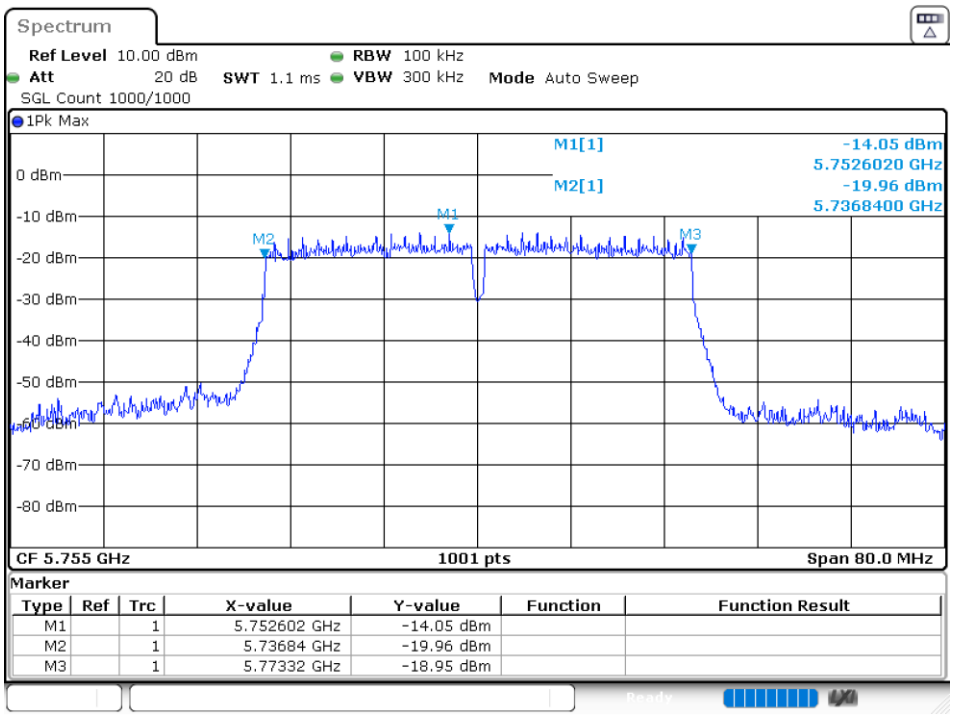
EBW NVNT 802.11n(HT40) 5755MHz Ant 1



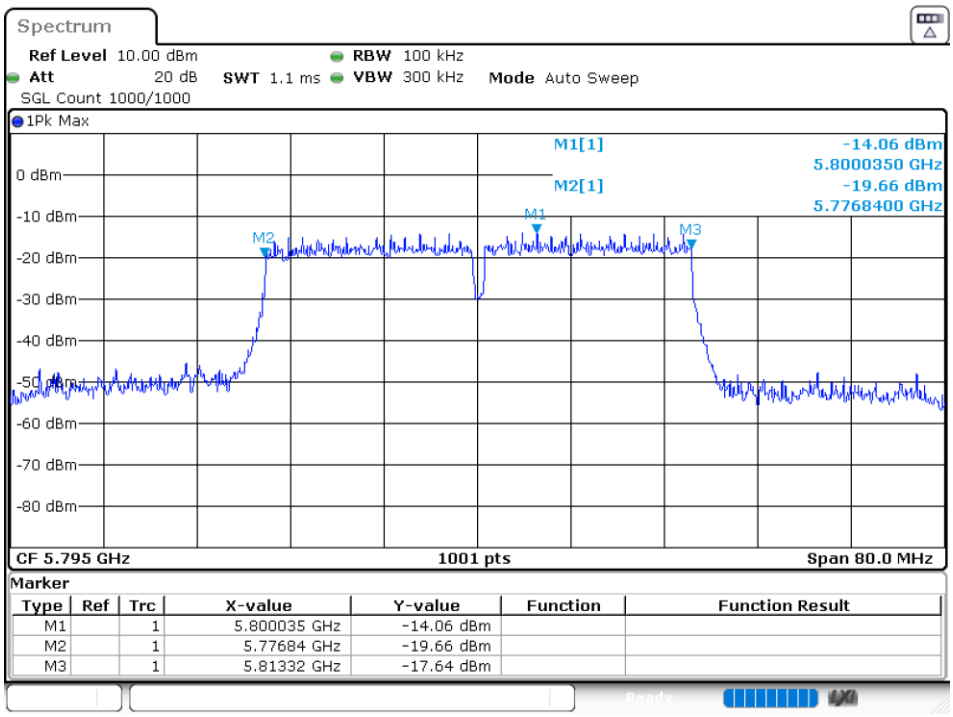
EBW NVNT 802.11n(HT40) 5795MHz Ant 1



EBW NVNT 802.11n(HT40) 5755MHz Ant 2



EBW NVNT 802.11n(HT40) 5795MHz Ant 2

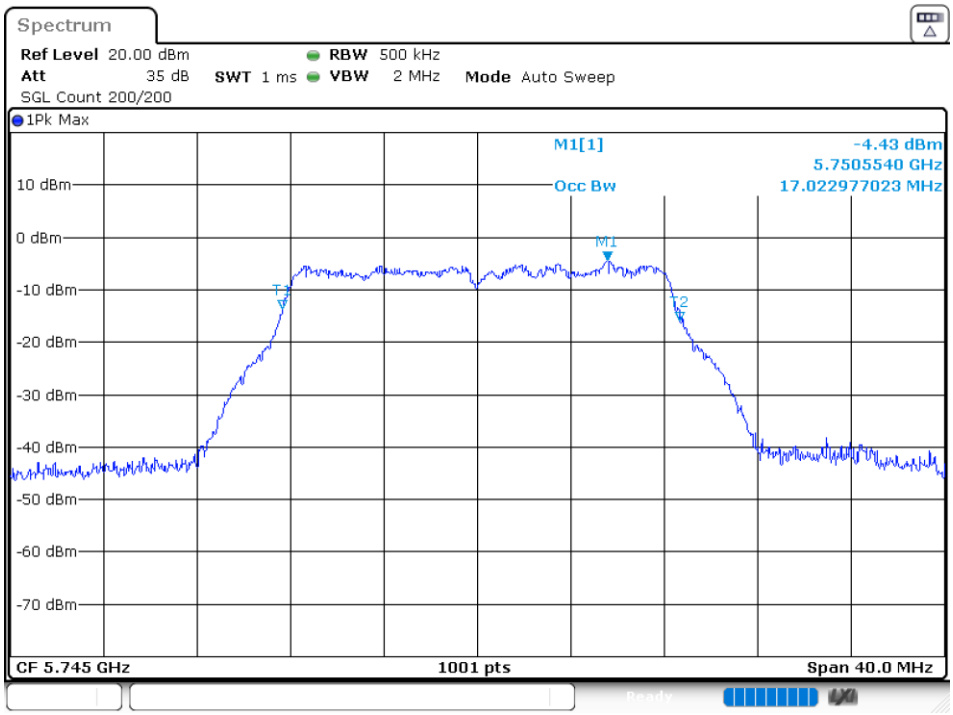


Occupied Channel Bandwidth

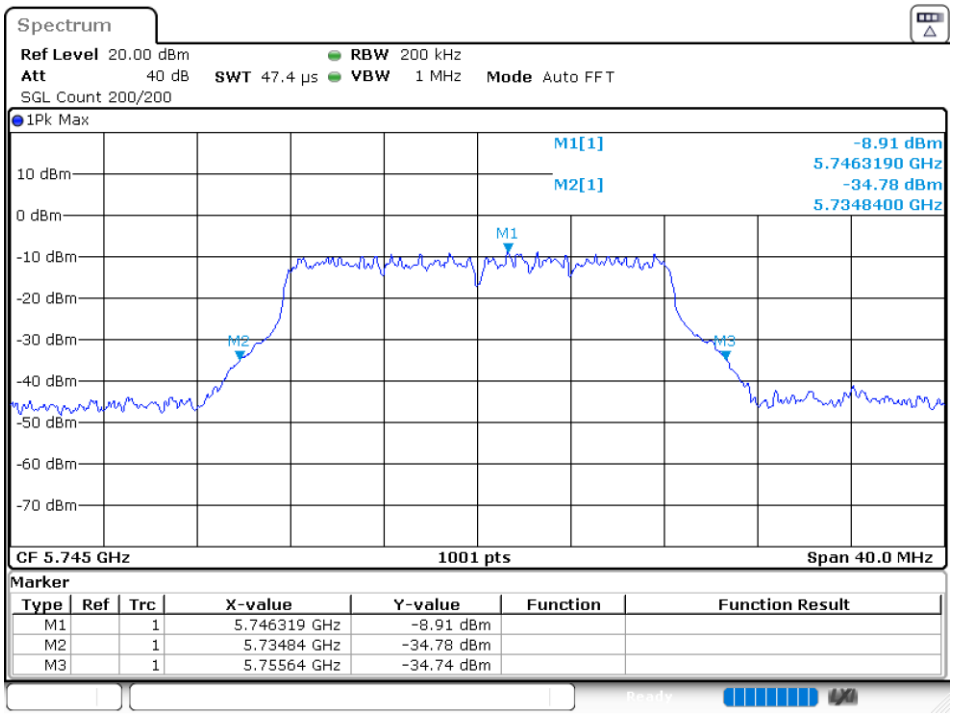
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)
NVNT	802.11a	5745	Ant 1	17.023	20.8
NVNT	802.11a	5785	Ant 1	17.1429	20.84
NVNT	802.11a	5825	Ant 1	17.0629	20.68
NVNT	802.11a	5745	Ant 2	17.023	20.52
NVNT	802.11a	5785	Ant 2	17.0629	21.08
NVNT	802.11a	5825	Ant 2	17.1029	20.64
NVNT	802.11ac20	5745	Ant 1	17.8621	21.36
NVNT	802.11ac20	5785	Ant 1	17.982	21.2
NVNT	802.11ac20	5825	Ant 1	17.7423	21.32
NVNT	802.11ac20	5745	Ant 2	17.982	21.16
NVNT	802.11ac20	5785	Ant 2	17.8621	21.56
NVNT	802.11ac20	5825	Ant 2	17.7423	21.48
NVNT	802.11ac40	5755	Ant 1	36.6034	40.24
NVNT	802.11ac40	5795	Ant 1	36.6034	40.96
NVNT	802.11ac40	5755	Ant 2	36.5235	40.24
NVNT	802.11ac40	5795	Ant 2	36.5235	40.72
NVNT	802.11ac80	5775	Ant 1	76.2438	81.76
NVNT	802.11ac80	5775	Ant 2	75.9241	81.76
NVNT	802.11n(HT20)	5745	Ant 1	17.8621	21.2
NVNT	802.11n(HT20)	5785	Ant 1	17.9421	21.32
NVNT	802.11n(HT20)	5825	Ant 1	17.8621	21.52
NVNT	802.11n(HT20)	5745	Ant 2	17.982	21.12
NVNT	802.11n(HT20)	5785	Ant 2	18.1019	21.24
NVNT	802.11n(HT20)	5825	Ant 2	17.9421	21.16

NVNT	802.11n(HT40)	5755	Ant 1	36.3636	39.6
NVNT	802.11n(HT40)	5795	Ant 1	36.4436	39.6
NVNT	802.11n(HT40)	5755	Ant 2	36.2837	39.68
NVNT	802.11n(HT40)	5795	Ant 2	36.3636	39.84

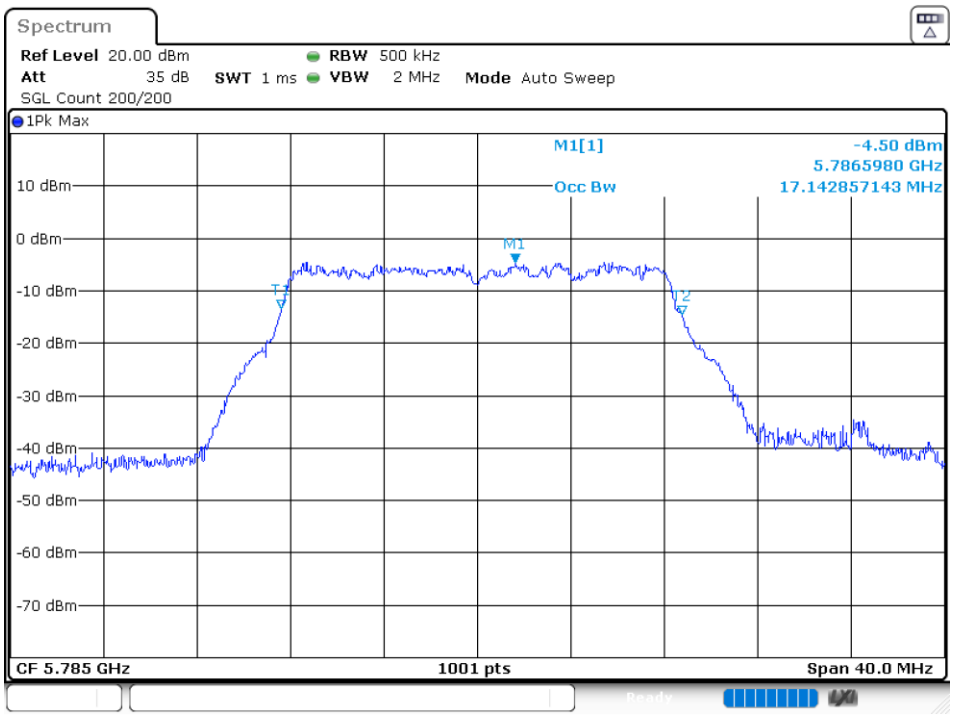
OBW NVNT 802.11a 5745MHz Ant 1



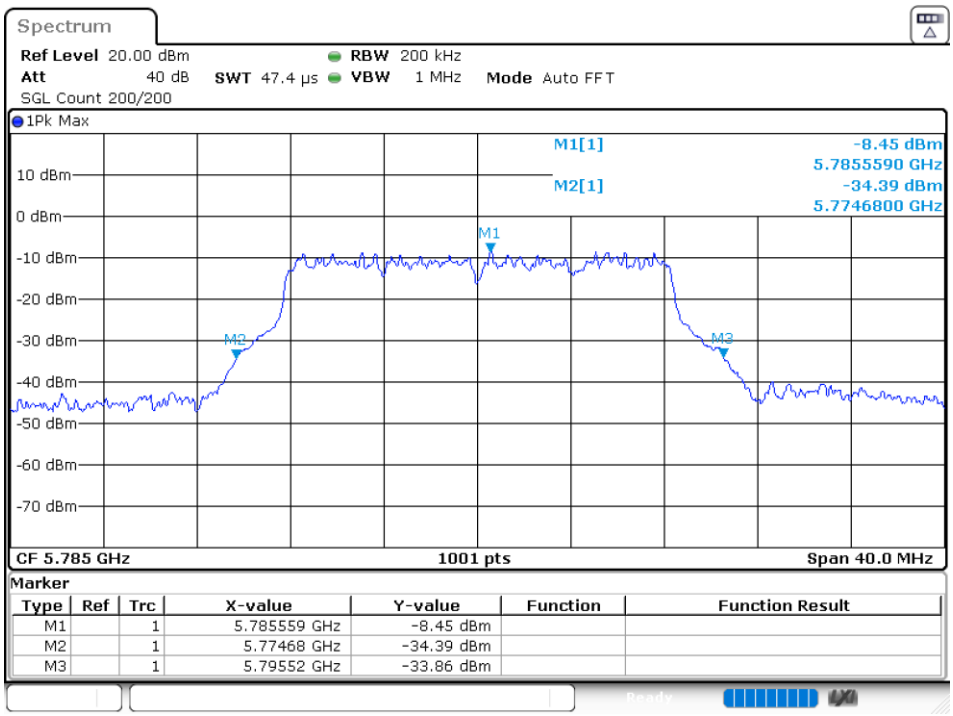
-26 dB BW NVNT 802.11a 5745MHz Ant 1



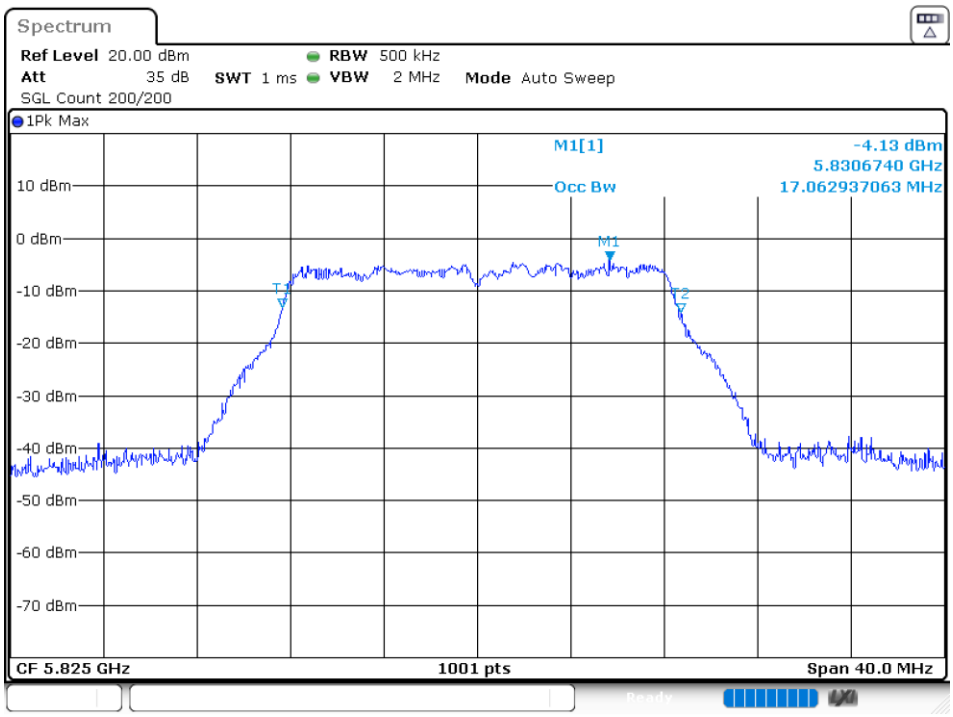
OBW NVNT 802.11a 5785MHz Ant 1



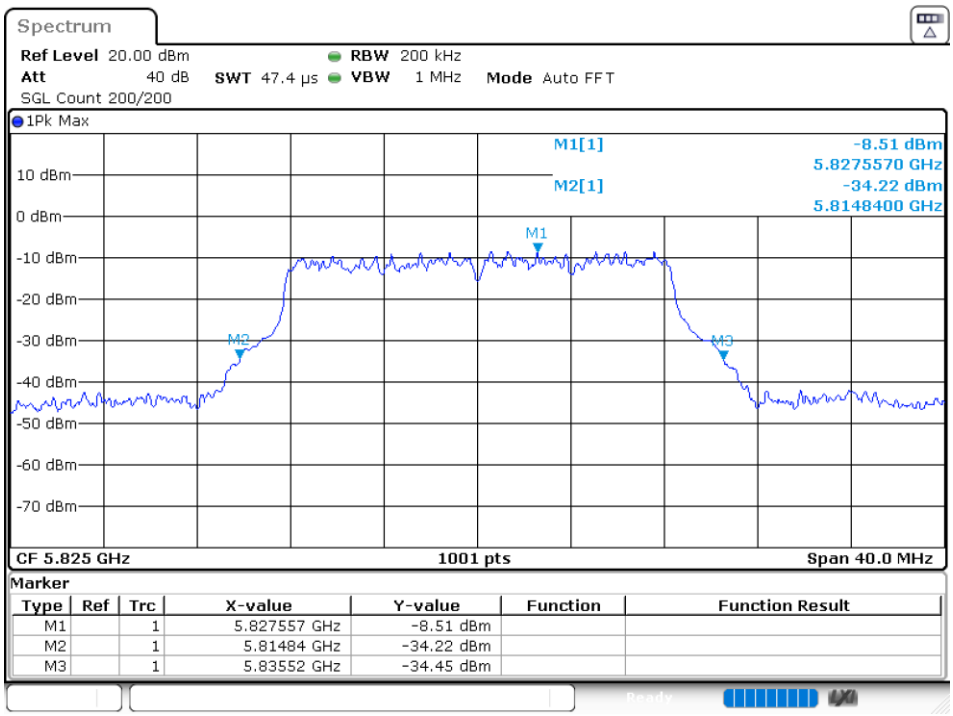
-26 dB BW NVNT 802.11a 5785MHz Ant 1



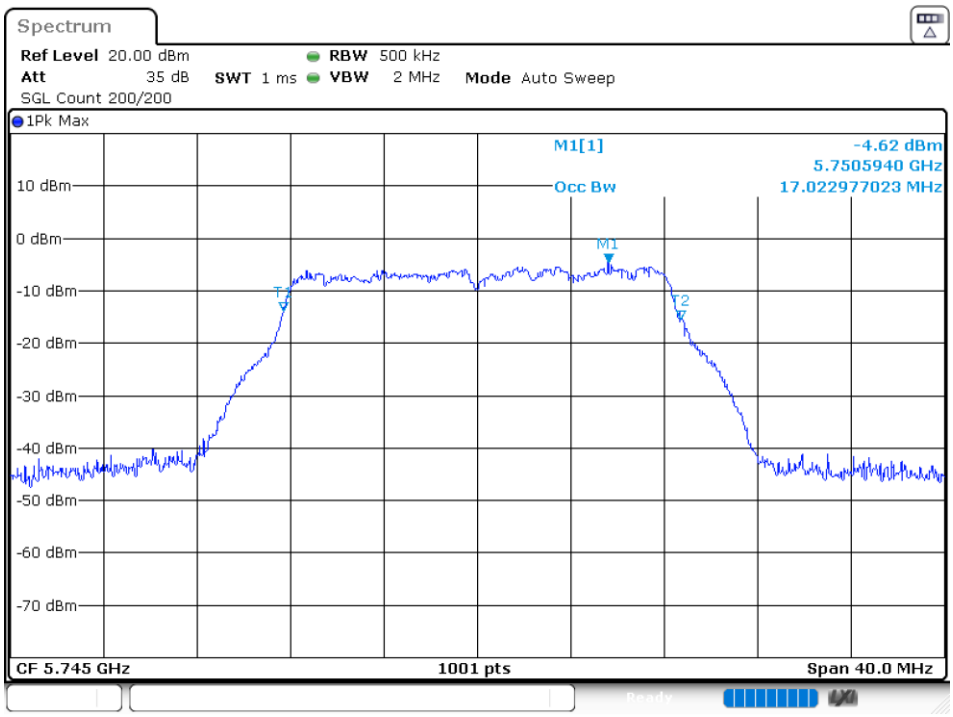
OBW NVNT 802.11a 5825MHz Ant 1



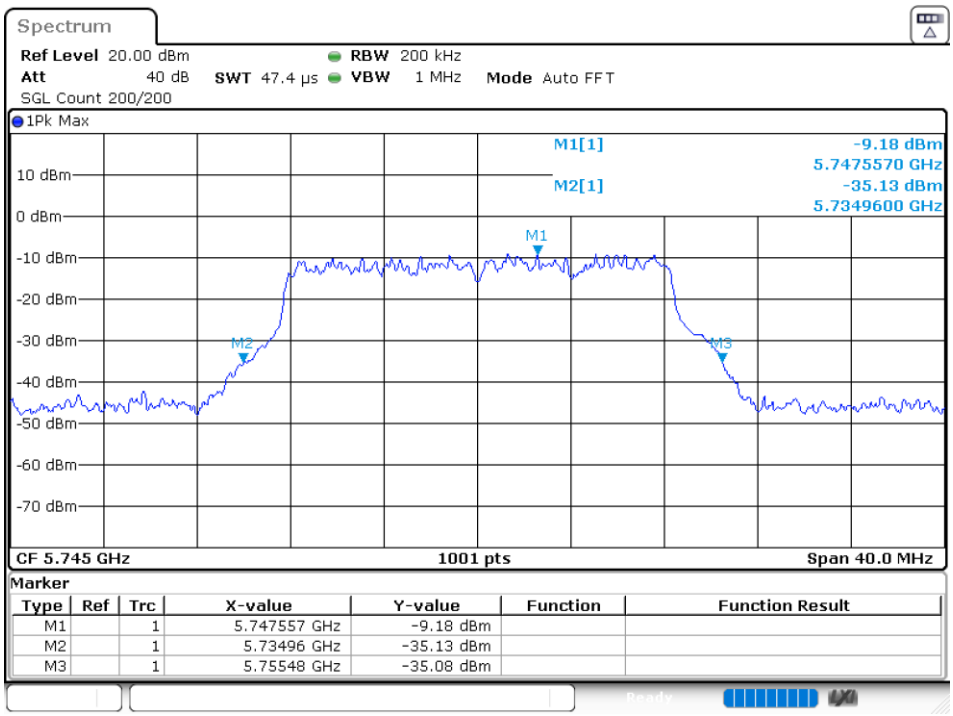
-26 dB BW NVNT 802.11a 5825MHz Ant 1



OBW NVNT 802.11a 5745MHz Ant 2



-26 dB BW NVNT 802.11a 5745MHz Ant 2



OBW NVNT 802.11a 5785MHz Ant 2