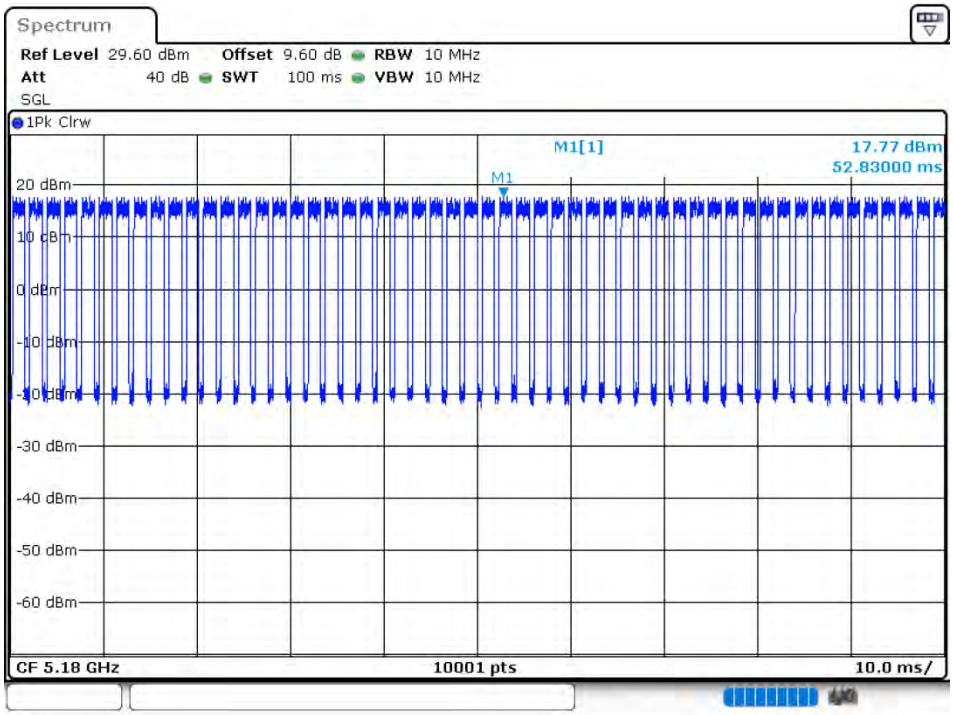
5.2G

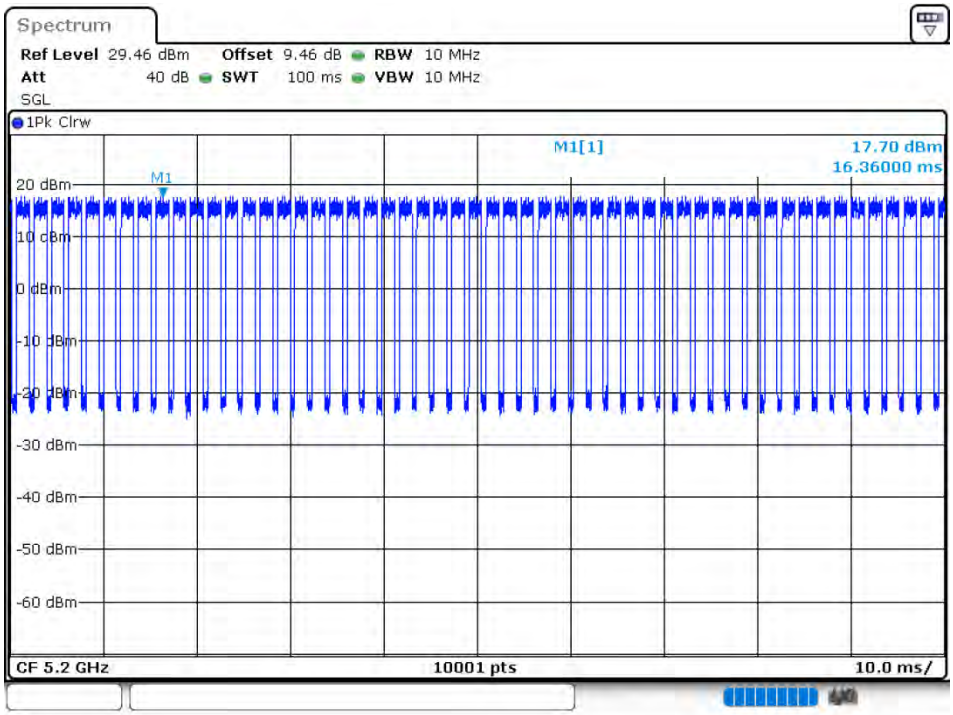
Duty Cycle

Antenna	Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
Ant 1	NVNT	802.11a	5180	100	0
Ant 1	NVNT	802.11a	5200	100	0
Ant 1	NVNT	802.11a	5240	100	0
Ant 2	NVNT	802.11a	5180	100	0
Ant 2	NVNT	802.11a	5200	100	0
Ant 2	NVNT	802.11a	5240	100	0
Ant 1	NVNT	802.11ac20	5180	100	0
Ant 1	NVNT	802.11ac20	5200	100	0
Ant 1	NVNT	802.11ac20	5240	100	0
Ant 2	NVNT	802.11ac20	5180	100	0
Ant 2	NVNT	802.11ac20	5200	100	0
Ant 2	NVNT	802.11ac20	5240	100	0
Ant 1	NVNT	802.11ac40	5190	100	0
Ant 1	NVNT	802.11ac40	5230	100	0
Ant 2	NVNT	802.11ac40	5190	100	0
Ant 2	NVNT	802.11ac40	5230	100	0
Ant 1	NVNT	802.11ac80	5210	100	0
Ant 2	NVNT	802.11ac80	5210	100	0
Ant 1	NVNT	802.11n(HT20)	5180	100	0
Ant 1	NVNT	802.11n(HT20)	5200	100	0
Ant 1	NVNT	802.11n(HT20)	5240	100	0
Ant 2	NVNT	802.11n(HT20)	5180	100	0
Ant 2	NVNT	802.11n(HT20)	5200	100	0
Ant 2	NVNT	802.11n(HT20)	5240	100	0
Ant 1	NVNT	802.11n(HT40)	5190	100	0
Ant 1	NVNT	802.11n(HT40)	5230	100	0
Ant 2	NVNT	802.11n(HT40)	5190	100	0
Ant 2	NVNT	802.11n(HT40)	5230	100	0

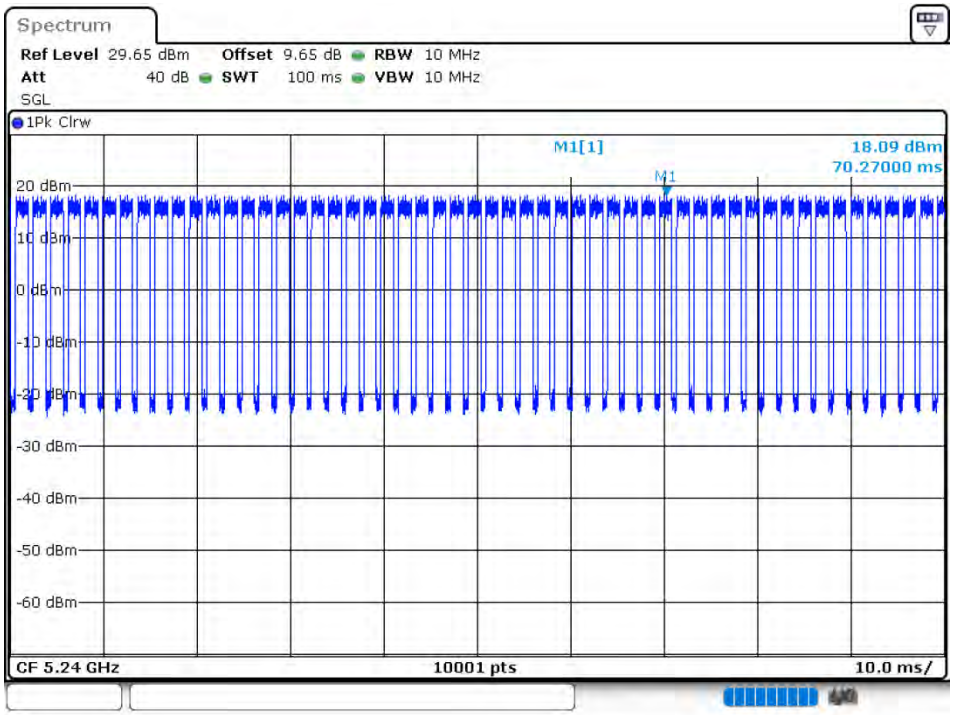
Duty Cycle NVNT 802.11a 5180MHz Ant 1



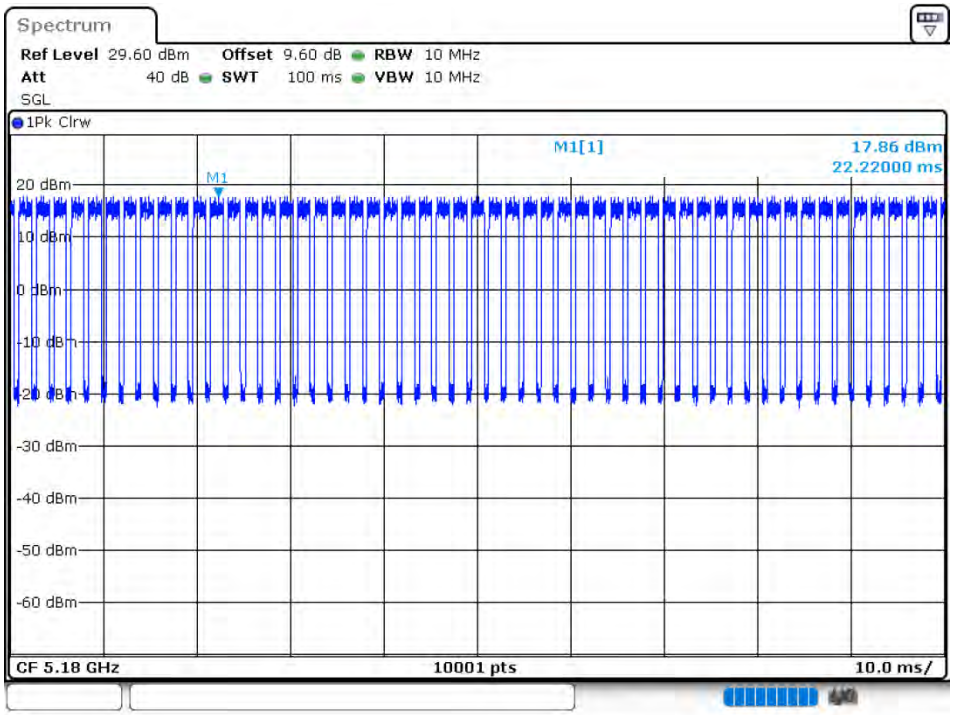
Duty Cycle NVNT 802.11a 5200MHz Ant 1



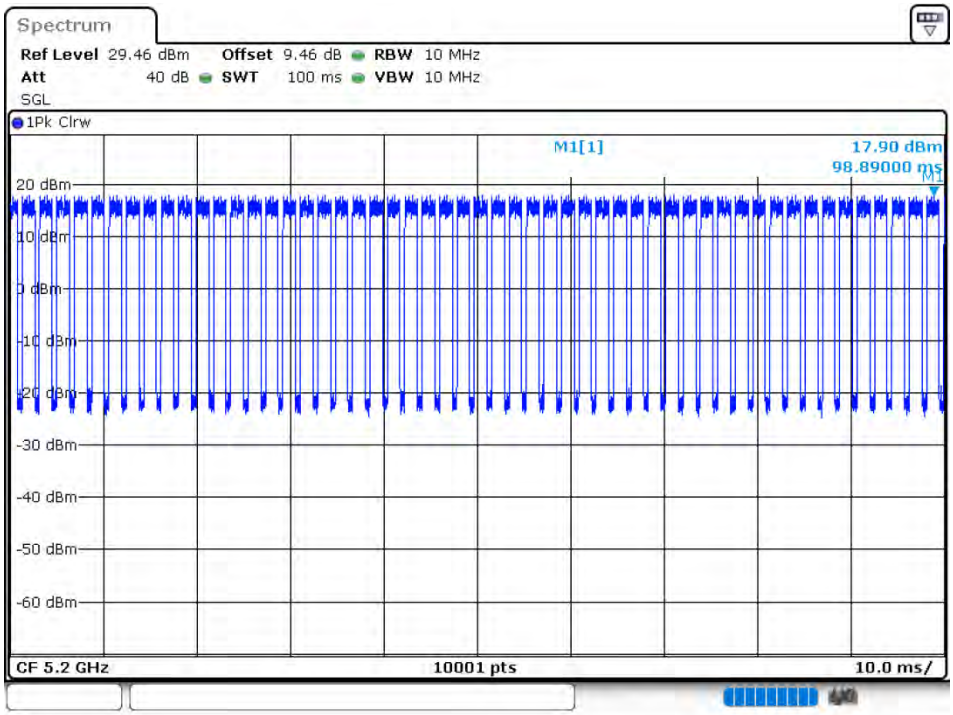
Duty Cycle NVNT 802.11a 5240MHz Ant 1



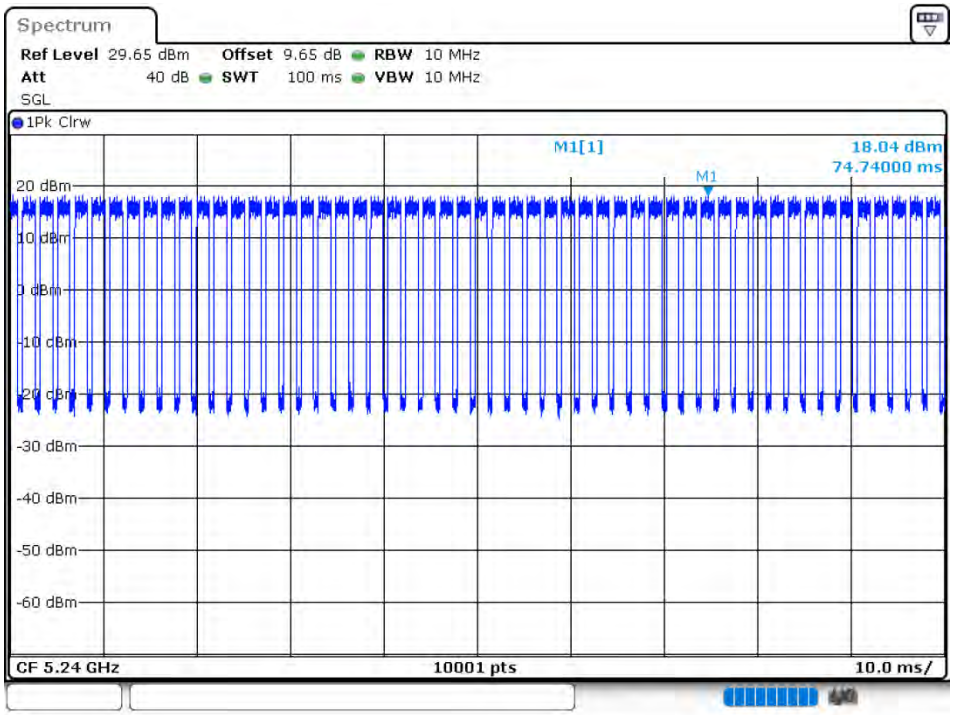
Duty Cycle NVNT 802.11a 5180MHz Ant 2



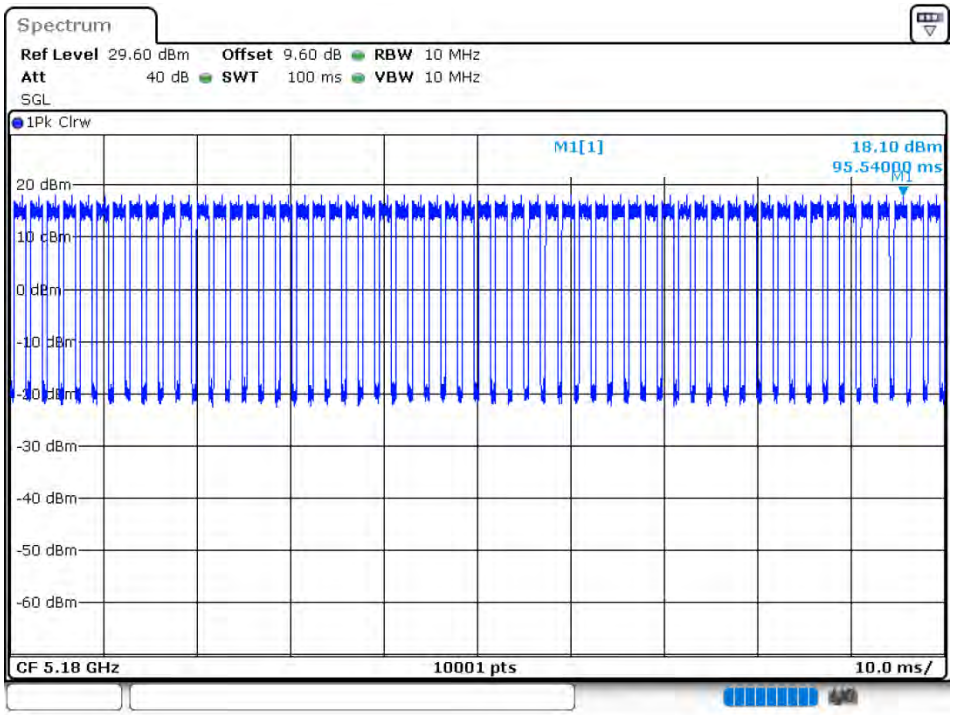
Duty Cycle NVNT 802.11a 5200MHz Ant 2



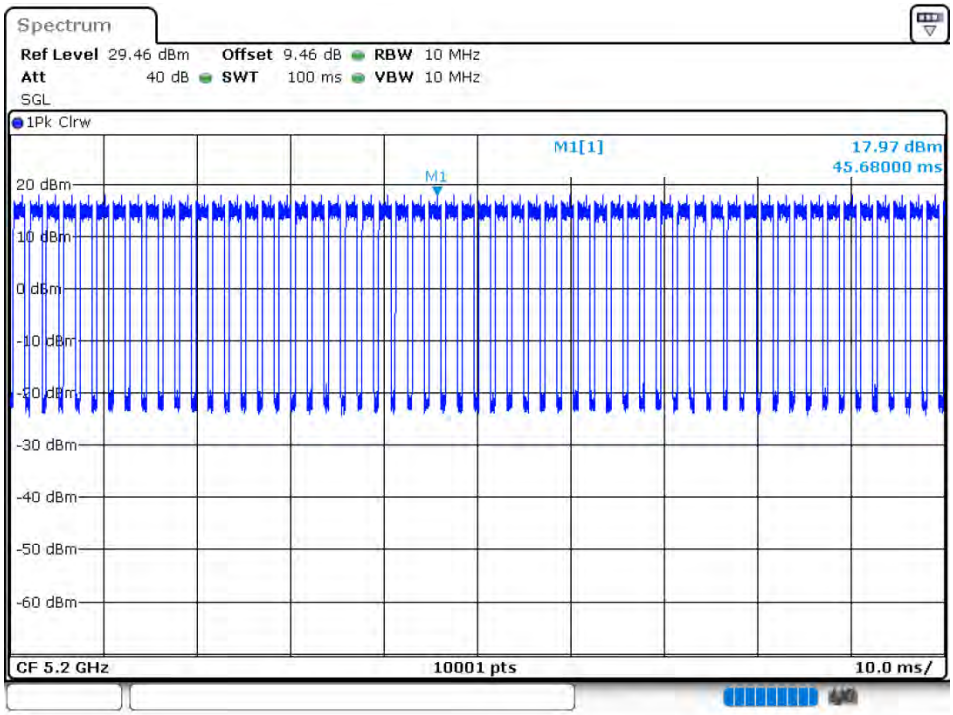
Duty Cycle NVNT 802.11a 5240MHz Ant 2



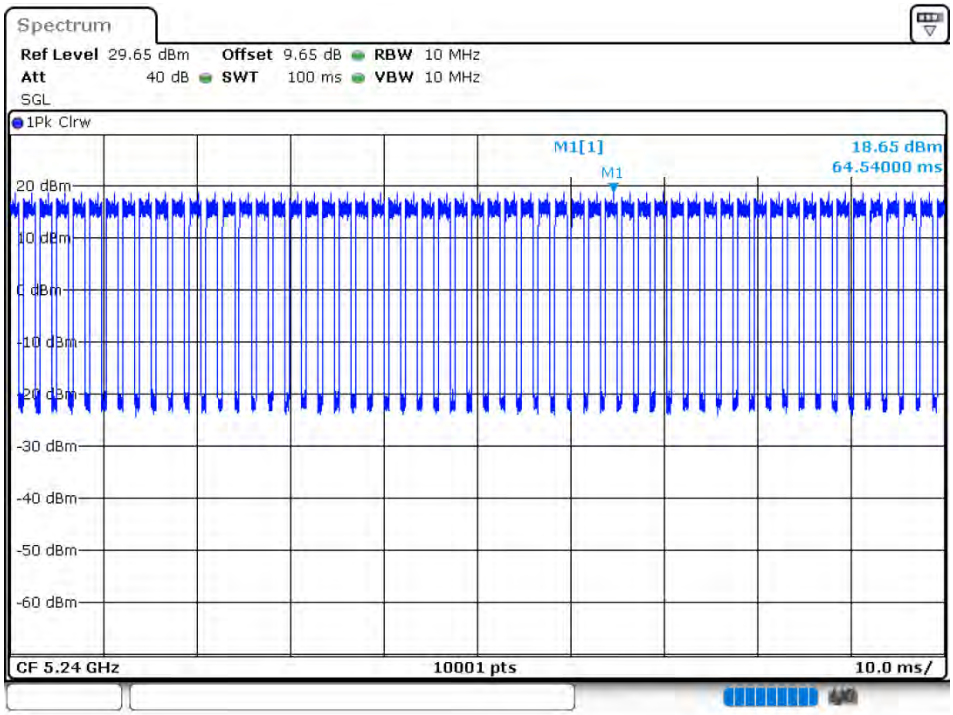
Duty Cycle NVNT 802.11ac20 5180MHz Ant 1



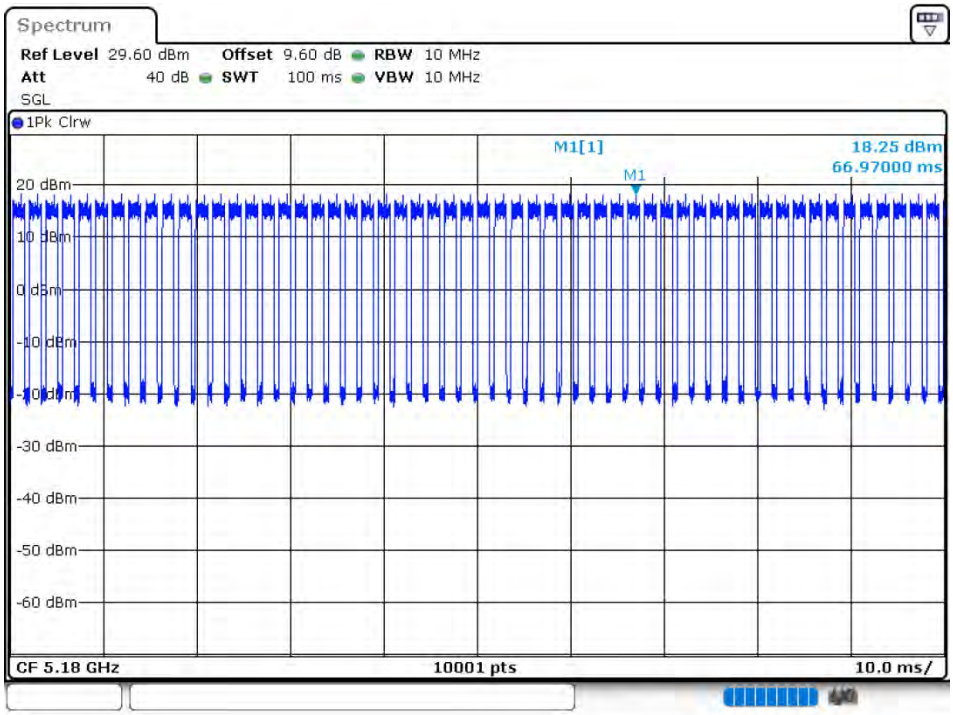
Duty Cycle NVNT 802.11ac20 5200MHz Ant 1



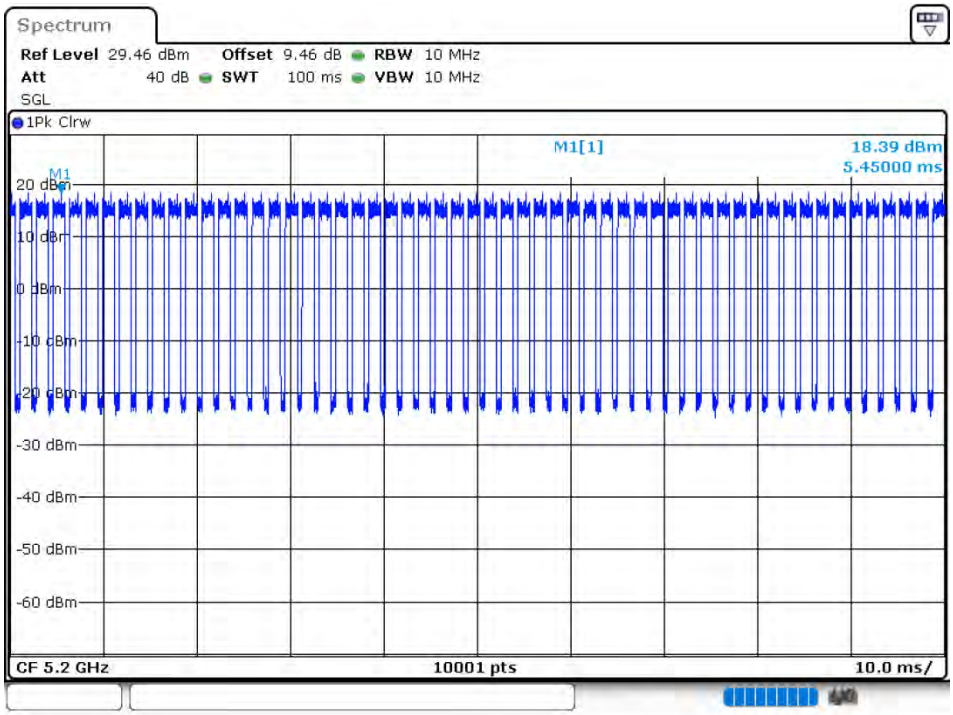
Duty Cycle NVNT 802.11ac20 5240MHz Ant 1



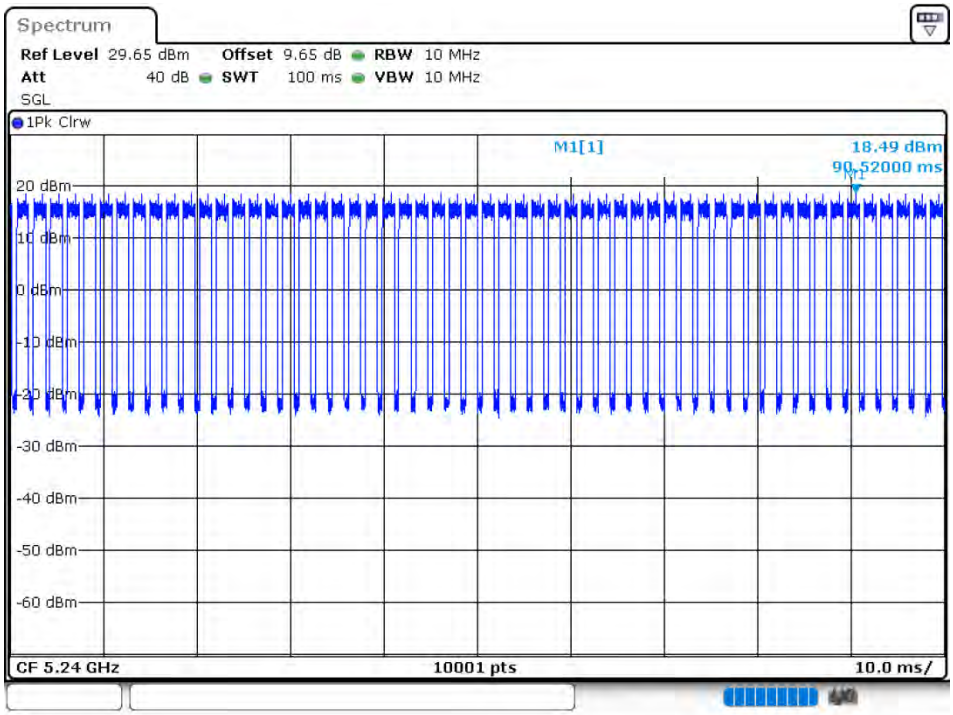
Duty Cycle NVNT 802.11ac20 5180MHz Ant 2



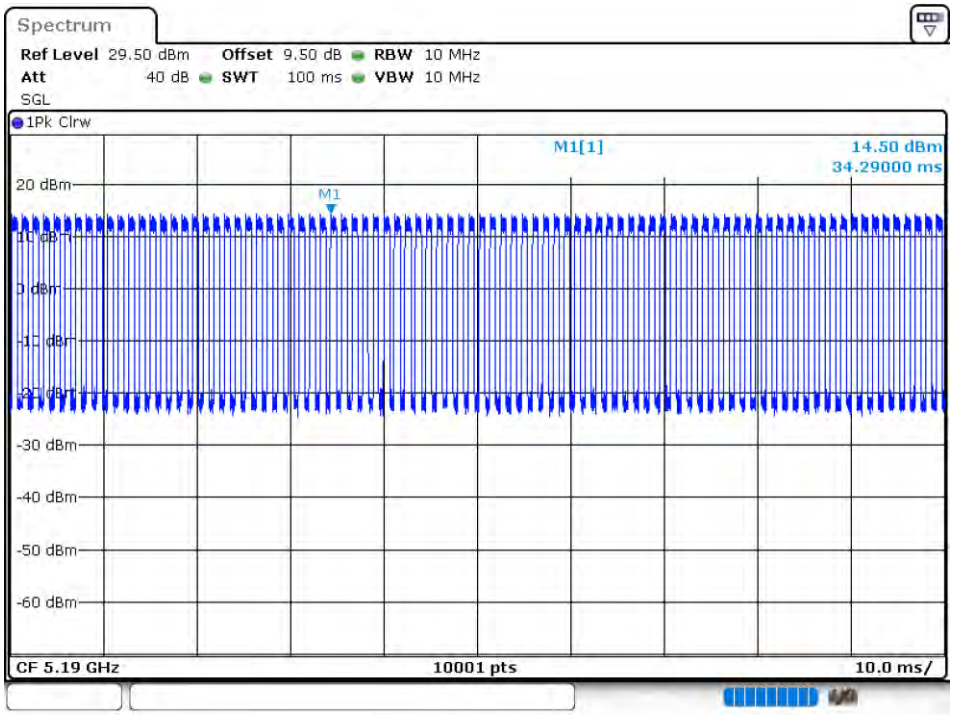
Duty Cycle NVNT 802.11ac20 5200MHz Ant 2



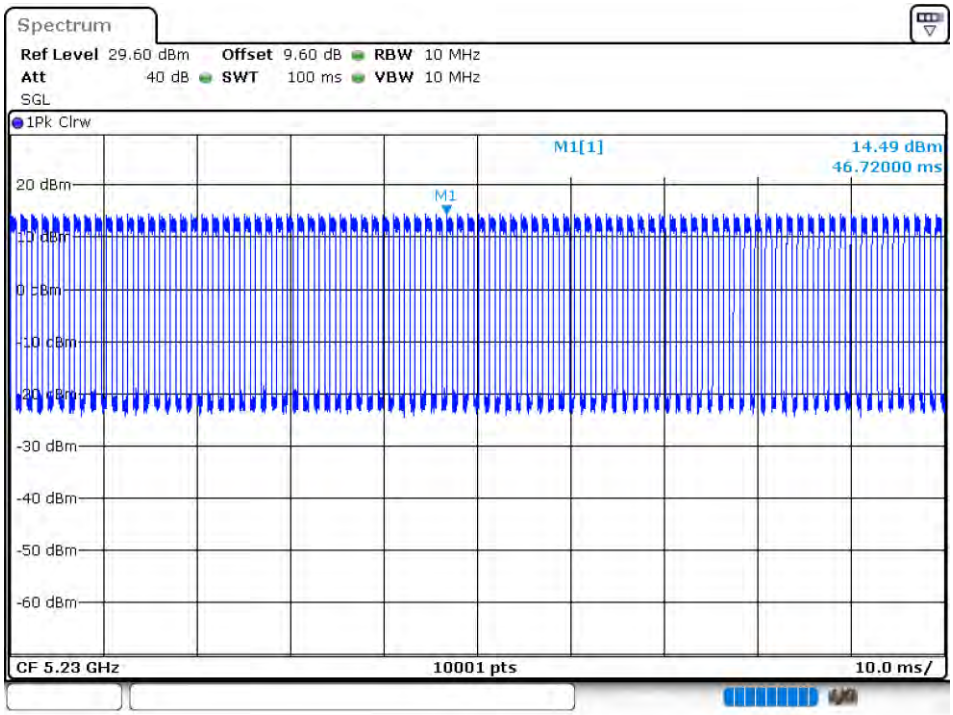
Duty Cycle NVNT 802.11ac20 5240MHz Ant 2



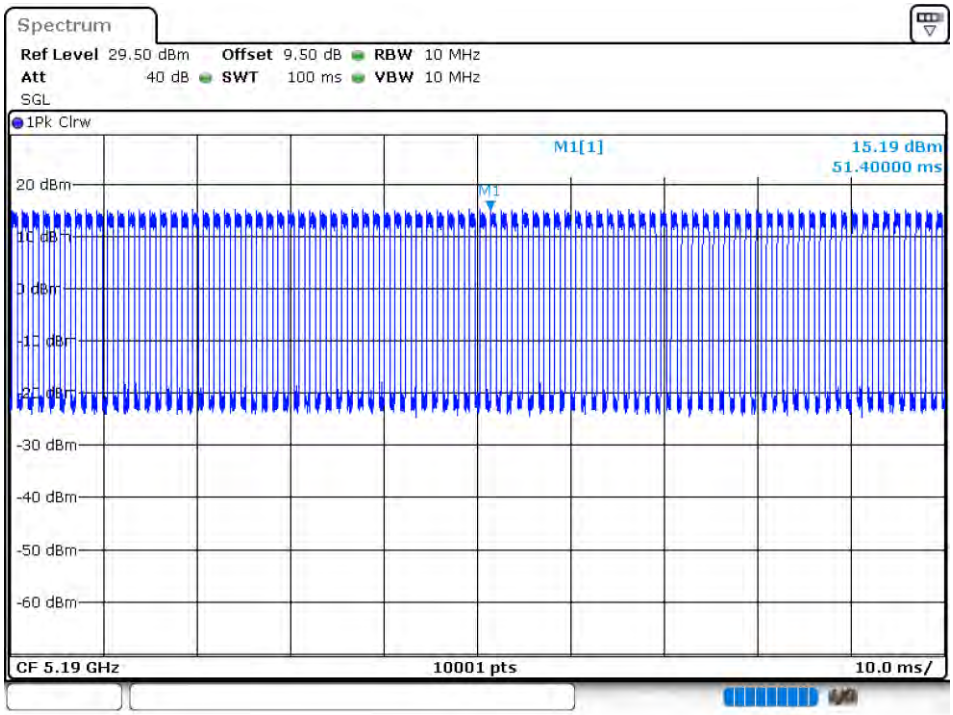
Duty Cycle NVNT 802.11ac40 5190MHz Ant 1



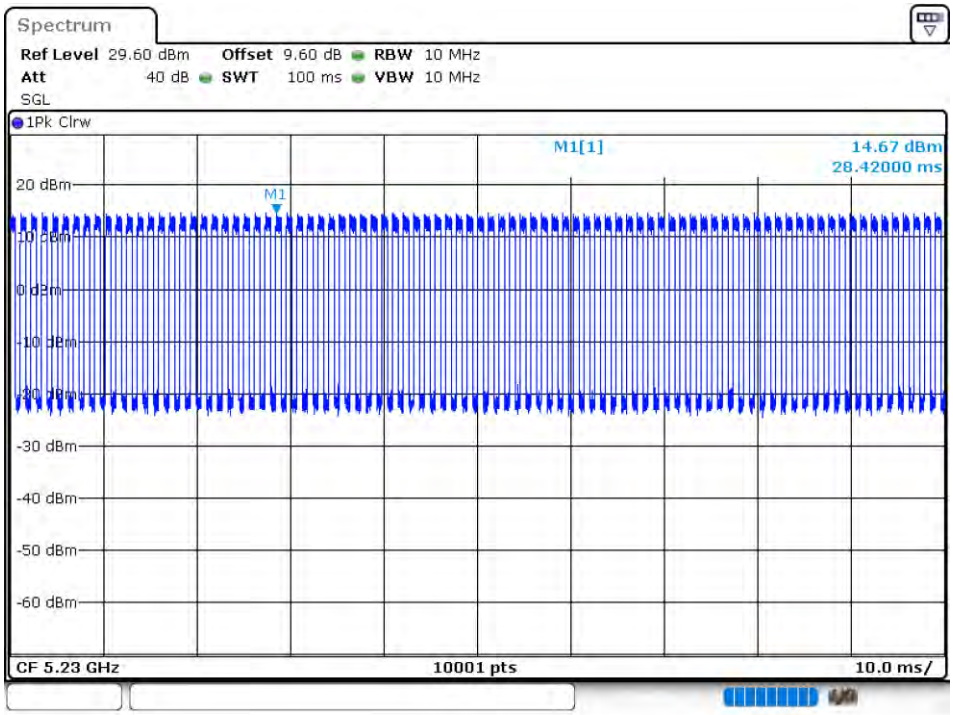
Duty Cycle NVNT 802.11ac40 5230MHz Ant 1



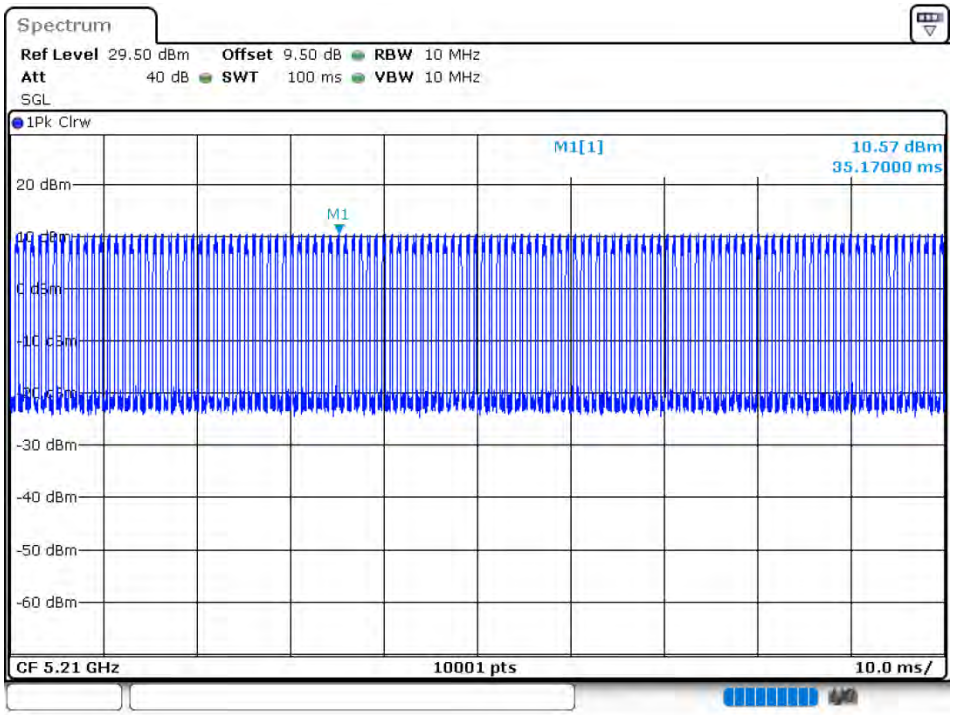
Duty Cycle NVNT 802.11ac40 5190MHz Ant 2



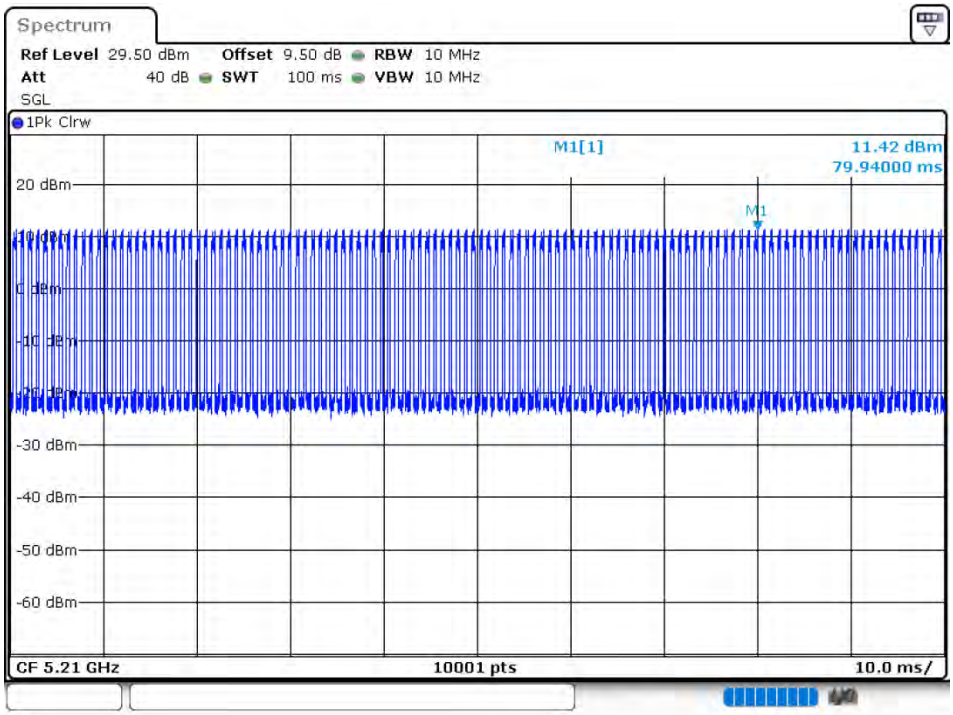
Duty Cycle NVNT 802.11ac40 5230MHz Ant 2



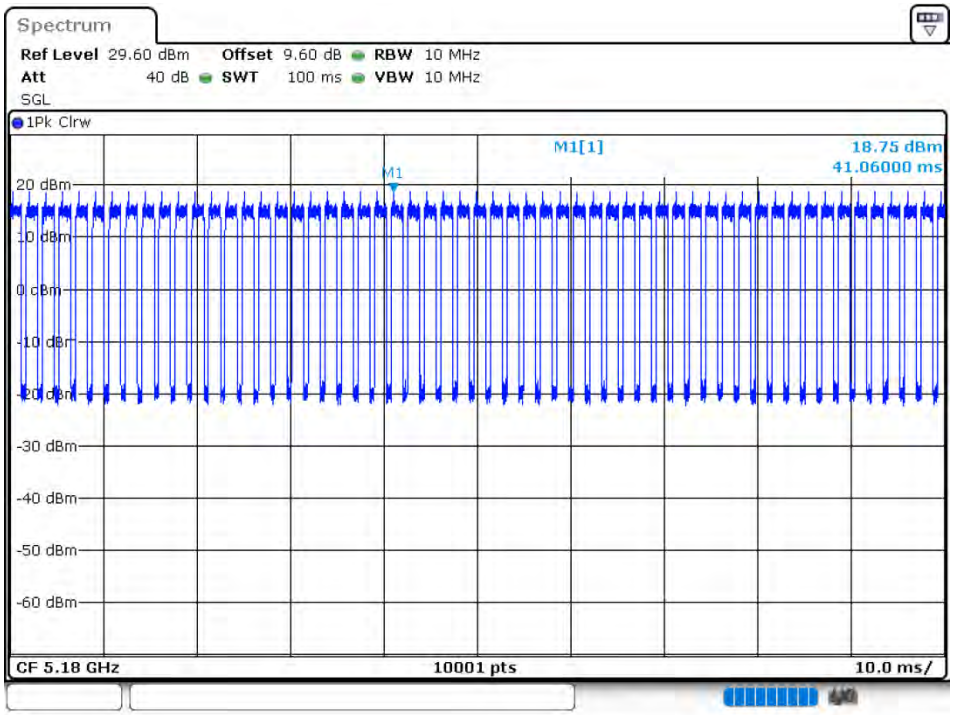
Duty Cycle NVNT 802.11ac80 5210MHz Ant 1



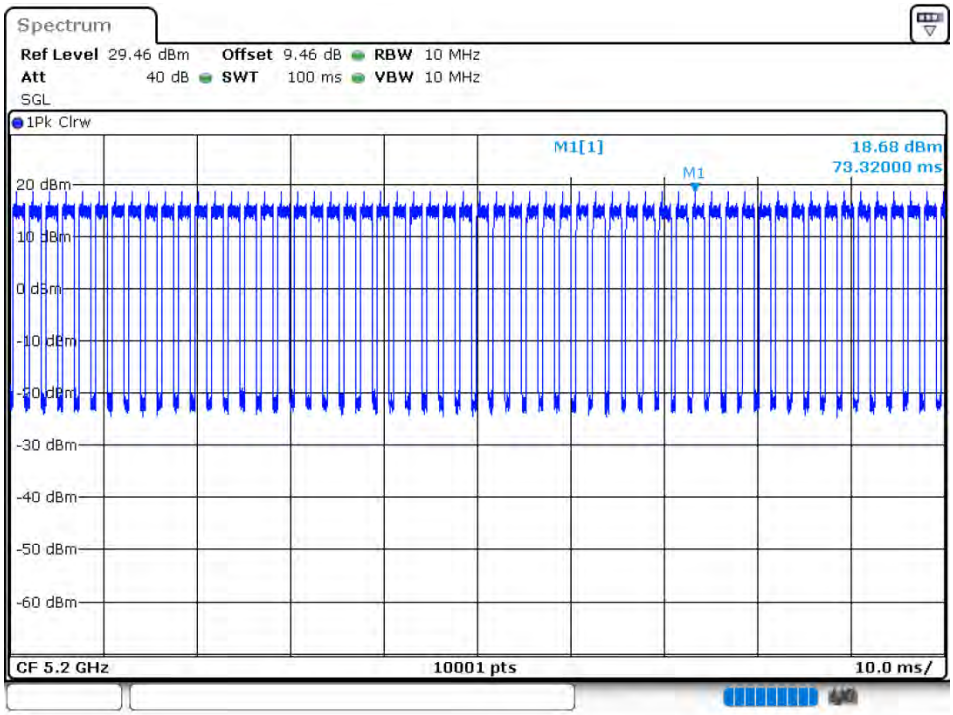
Duty Cycle NVNT 802.11ac80 5210MHz Ant 2



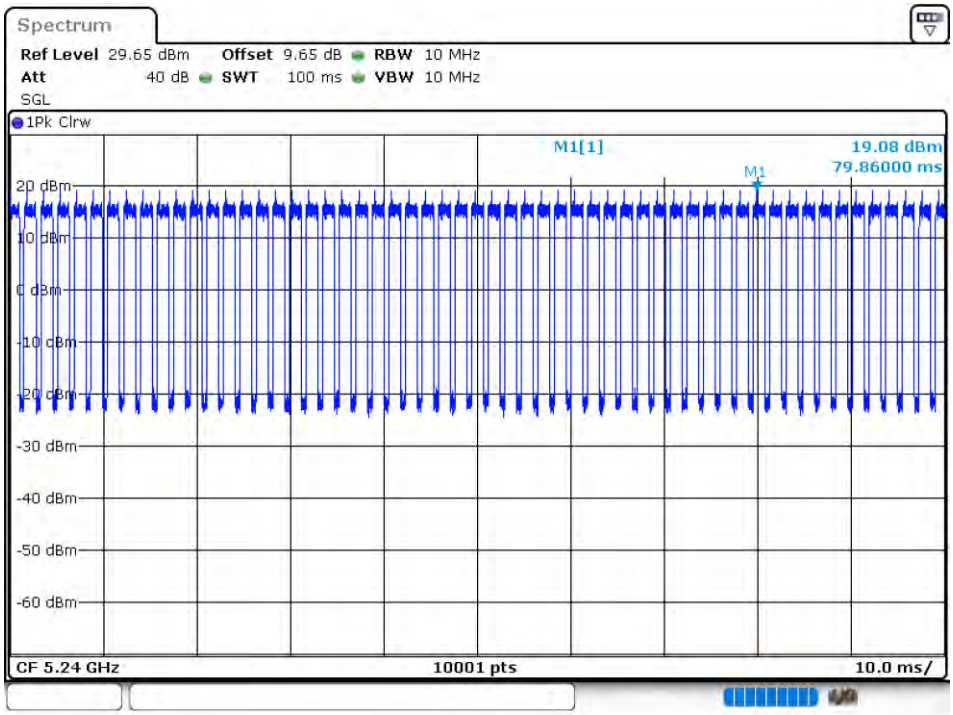
Duty Cycle NVNT 802.11n(HT20) 5180MHz Ant 1



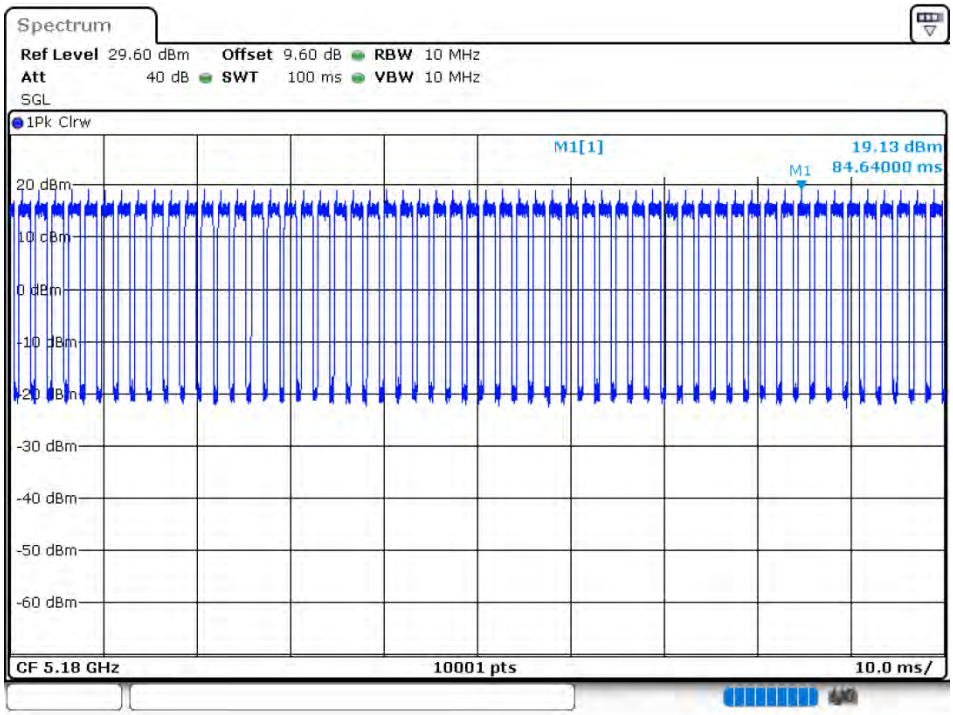
Duty Cycle NVNT 802.11n(HT20) 5200MHz Ant 1



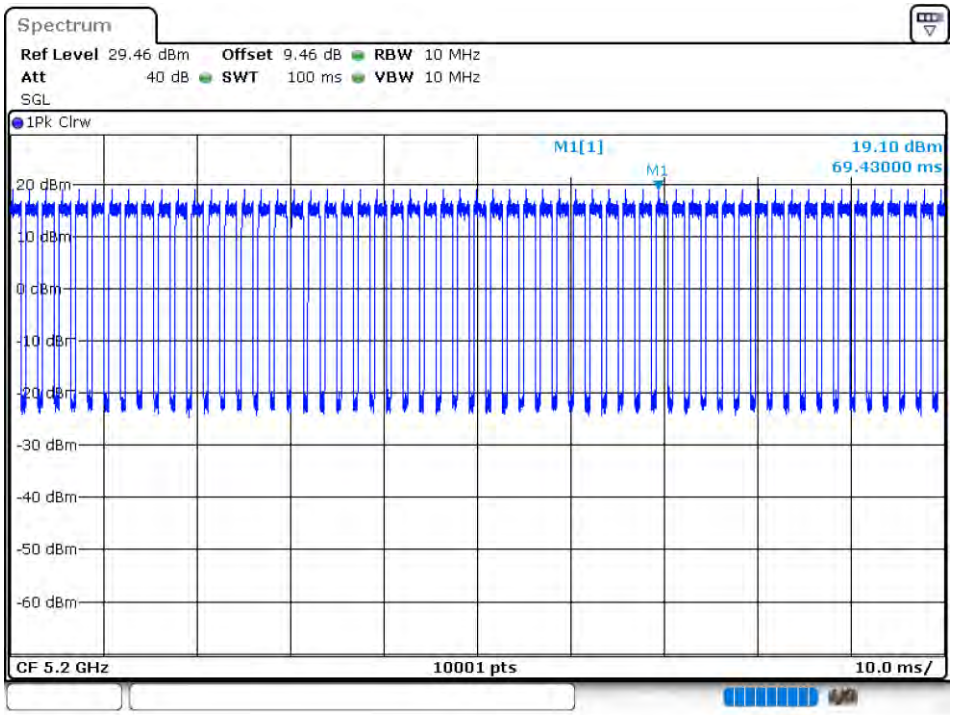
Duty Cycle NVNT 802.11n(HT20) 5240MHz Ant 1



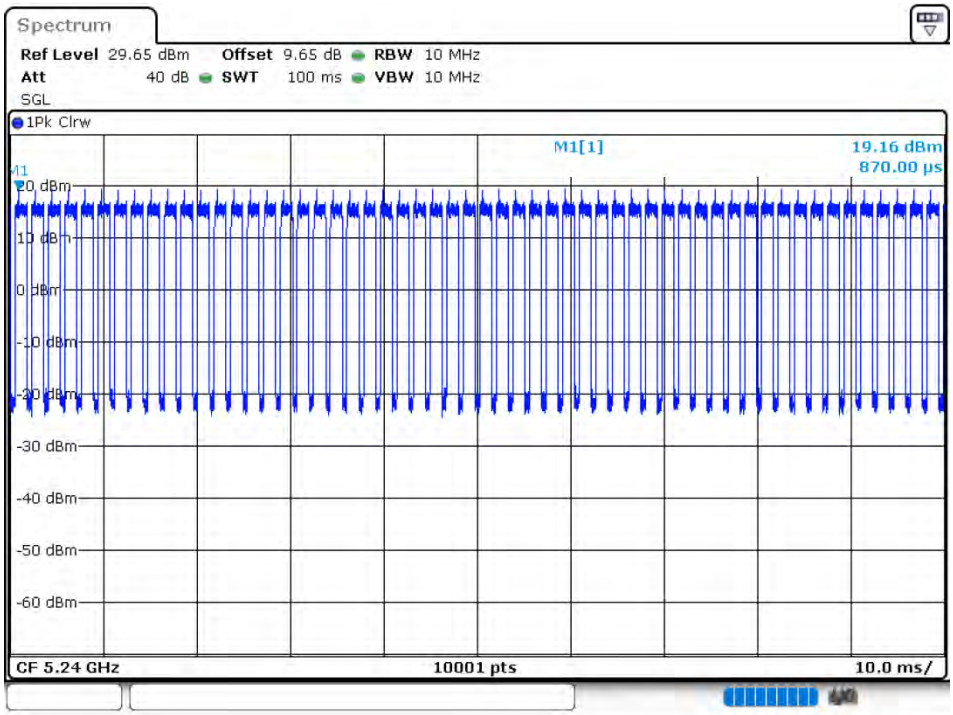
Duty Cycle NVNT 802.11n(HT20) 5180MHz Ant 2



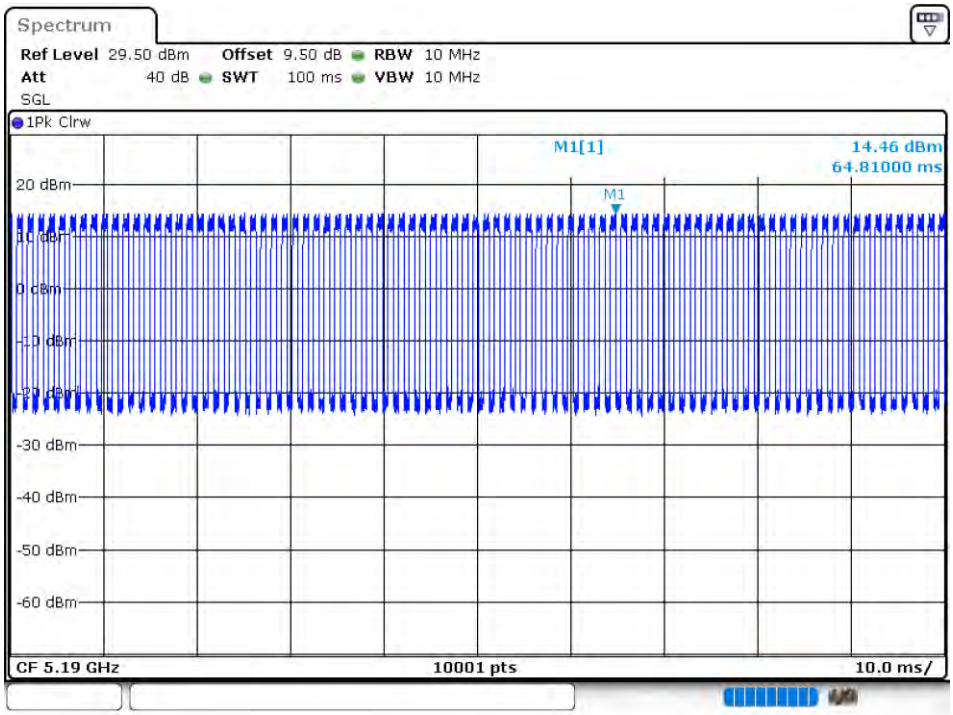
Duty Cycle NVNT 802.11n(HT20) 5200MHz Ant 2



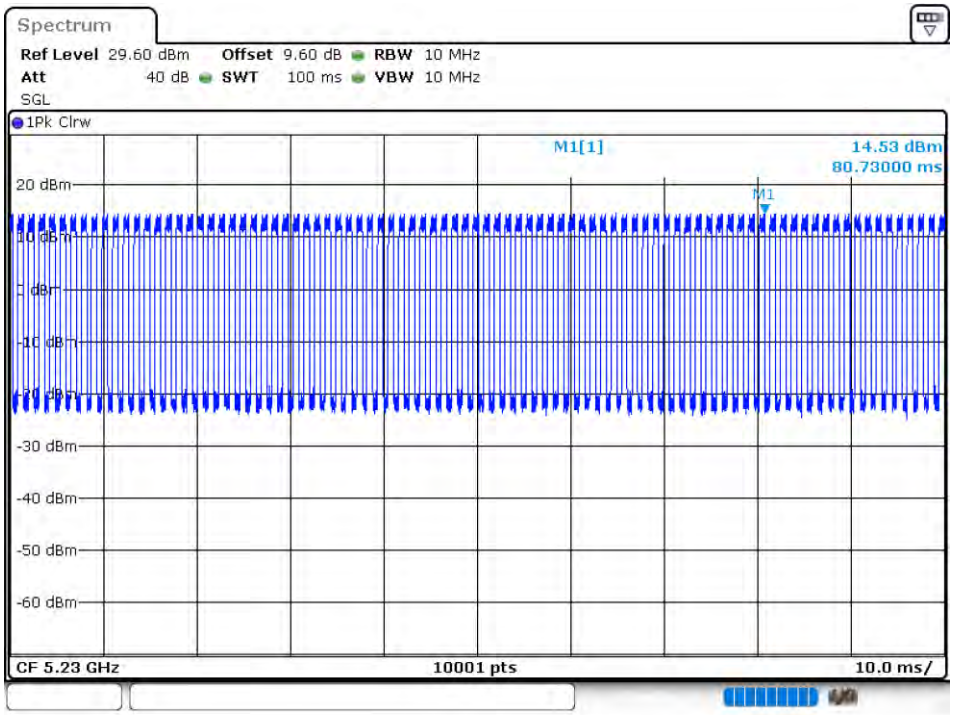
Duty Cycle NVNT 802.11n(HT20) 5240MHz Ant 2



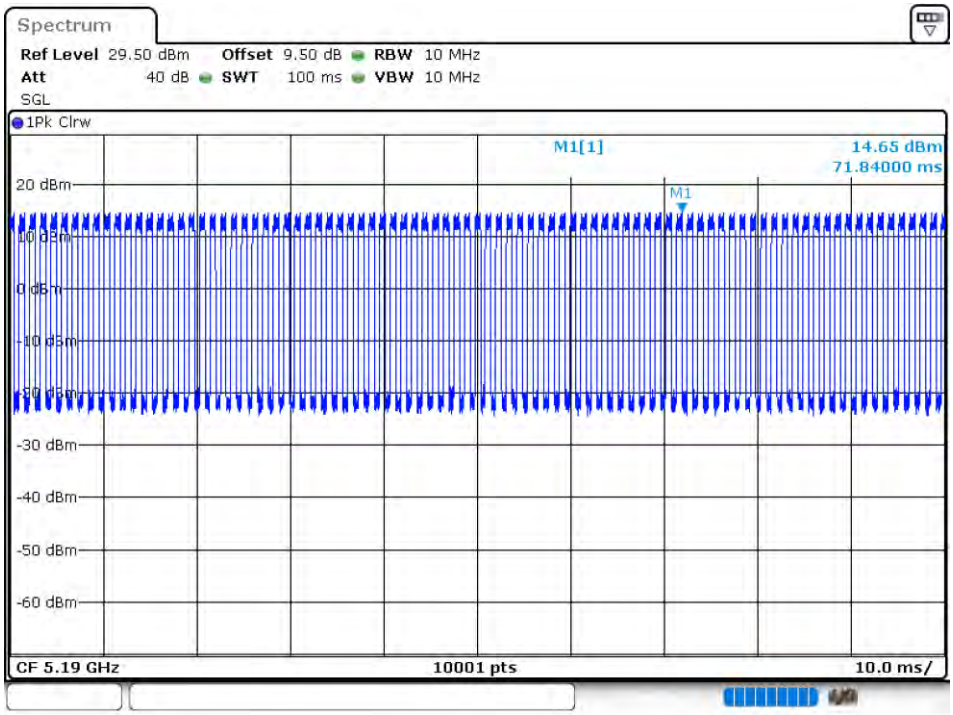
Duty Cycle NVNT 802.11n(HT40) 5190MHz Ant 1



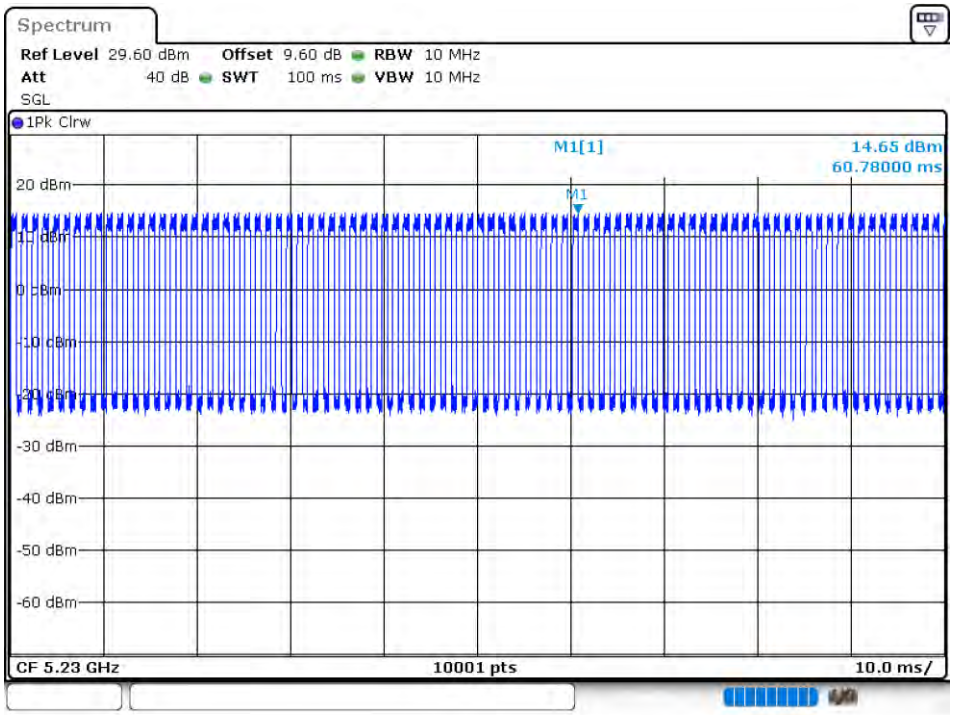
Duty Cycle NVNT 802.11n(HT40) 5230MHz Ant 1



Duty Cycle NVNT 802.11n(HT40) 5190MHz Ant 2



Duty Cycle NVNT 802.11n(HT40) 5230MHz Ant 2



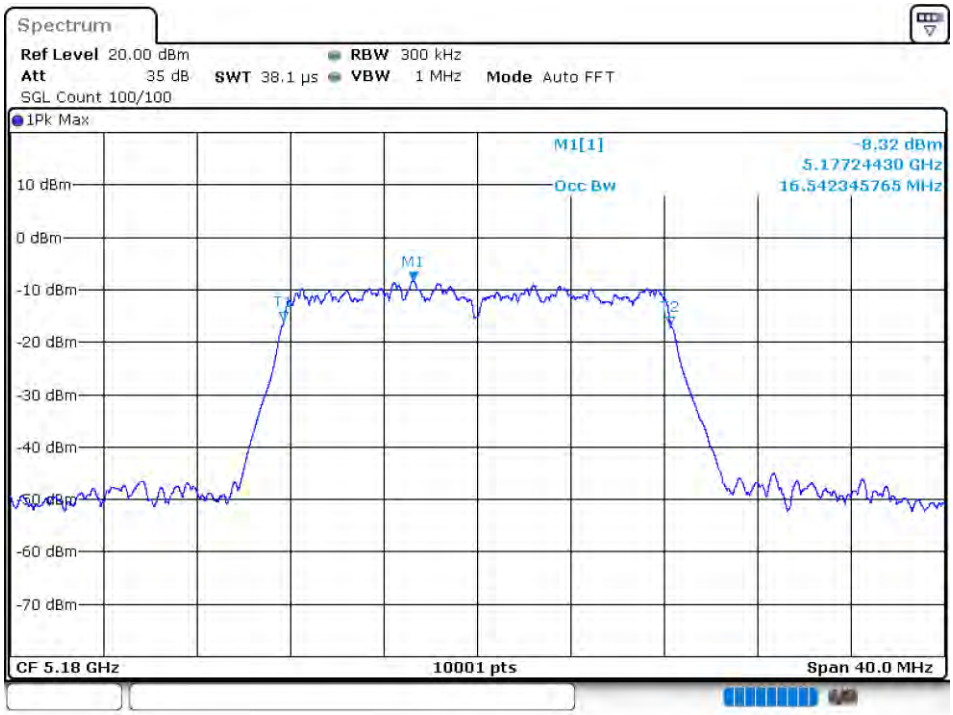
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Total Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant 1	9.84	0	9.84		23.67	Pass
NVNT	a	5200	Ant 1	9.49	0	9.49		23.67	Pass
NVNT	a	5240	Ant 1	9.8	0	9.8		23.67	Pass
NVNT	a	5180	Ant 2	9.8	0	9.8		24	Pass
NVNT	a	5200	Ant 2	9.7	0	9.7		24	Pass
NVNT	a	5240	Ant 2	9.63	0	9.63		24	Pass
NVNT	ac20	5180	Ant 1	9.78	0	9.78	12.78	21.11	Pass
NVNT	ac20	5180	Ant 2	9.75	0	9.75			Pass
NVNT	ac20	5200	Ant 1	9.33	0	9.33	12.52	21.11	Pass
NVNT	ac20	5200	Ant 2	9.69	0	9.69			Pass
NVNT	ac20	5240	Ant 1	9.94	0	9.94	12.80	21.11	Pass
NVNT	ac20	5240	Ant 2	9.63	0	9.63			Pass
NVNT	ac40	5190	Ant 1	9.3	0	9.3	12.60	21.11	Pass
NVNT	ac40	5190	Ant 2	9.86	0	9.86			Pass
NVNT	ac40	5230	Ant 1	9.15	0	9.15	12.33	21.11	Pass
NVNT	ac40	5230	Ant 2	9.48	0	9.48			Pass
NVNT	ac80	5210	Ant 1	8.82	0	8.82	12.07	21.11	Pass
NVNT	ac80	5210	Ant 2	9.28	0	9.28			Pass
NVNT	n20	5180	Ant 1	9.73	0	9.73	12.84	21.11	Pass
NVNT	n20	5180	Ant 2	9.92	0	9.92			Pass
NVNT	n20	5200	Ant 1	9.38	0	9.38	12.60	21.11	Pass
NVNT	n20	5200	Ant 2	9.79	0	9.79			Pass
NVNT	n20	5240	Ant 1	9.71	0	9.71	12.72	21.11	Pass
NVNT	n20	5240	Ant 2	9.7	0	9.7			Pass
NVNT	n40	5190	Ant 1	9.18	0	9.18	12.19	21.11	Pass
NVNT	n40	5190	Ant 2	9.17	0	9.17			Pass
NVNT	n40	5230	Ant 1	9.07	0	9.07	12.25	21.11	Pass
NVNT	n40	5230	Ant 2	9.41	0	9.41			Pass

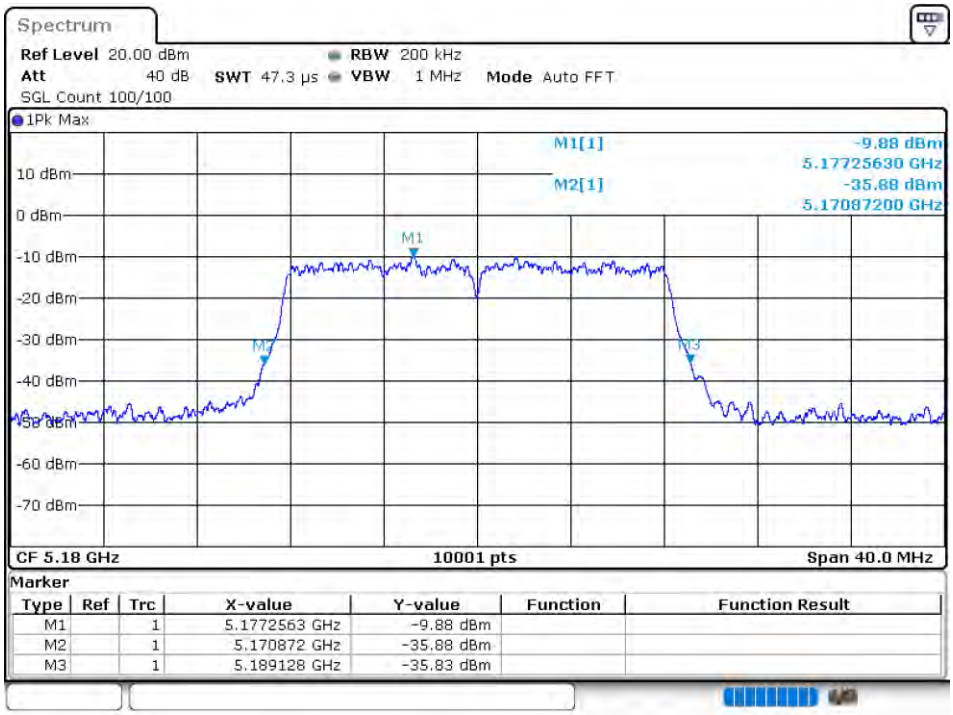
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	16.5423	18.256	Pass
NVNT	802.11a	5200	Ant 1	16.3704	18.54	Pass
NVNT	802.11a	5240	Ant 1	16.3904	18.548	Pass
NVNT	802.11a	5180	Ant 2	16.3504	18.168	Pass
NVNT	802.11a	5200	Ant 2	16.3824	18.592	Pass
NVNT	802.11a	5240	Ant 2	16.3864	18.644	Pass
NVNT	802.11ac20	5180	Ant 1	17.5942	19.532	Pass
NVNT	802.11ac20	5200	Ant 1	17.6022	19.588	Pass
NVNT	802.11ac20	5240	Ant 1	17.5142	19.4	Pass
NVNT	802.11ac20	5180	Ant 2	17.5702	19.48	Pass
NVNT	802.11ac20	5200	Ant 2	17.5622	19.532	Pass
NVNT	802.11ac20	5240	Ant 2	17.5102	19.316	Pass
NVNT	802.11ac40	5190	Ant 1	36.1164	42.304	Pass
NVNT	802.11ac40	5230	Ant 1	36.0604	42.104	Pass
NVNT	802.11ac40	5190	Ant 2	36.0124	41.52	Pass
NVNT	802.11ac40	5230	Ant 2	36.1484	41.96	Pass
NVNT	802.11ac80	5210	Ant 1	74.8405	82.064	Pass
NVNT	802.11ac80	5210	Ant 2	74.6965	81.84	Pass
NVNT	802.11n(HT20)	5180	Ant 1	17.5822	19.724	Pass
NVNT	802.11n(HT20)	5200	Ant 1	17.5862	19.448	Pass
NVNT	802.11n(HT20)	5240	Ant 1	17.5622	19.612	Pass
NVNT	802.11n(HT20)	5180	Ant 2	17.5662	19.588	Pass
NVNT	802.11n(HT20)	5200	Ant 2	17.5462	19.292	Pass
NVNT	802.11n(HT20)	5240	Ant 2	17.5622	19.484	Pass
NVNT	802.11n(HT40)	5190	Ant 1	36.1324	41.976	Pass
NVNT	802.11n(HT40)	5230	Ant 1	36.0604	40.992	Pass
NVNT	802.11n(HT40)	5190	Ant 2	35.9964	41.808	Pass
NVNT	802.11n(HT40)	5230	Ant 2	36.1564	42.048	Pass

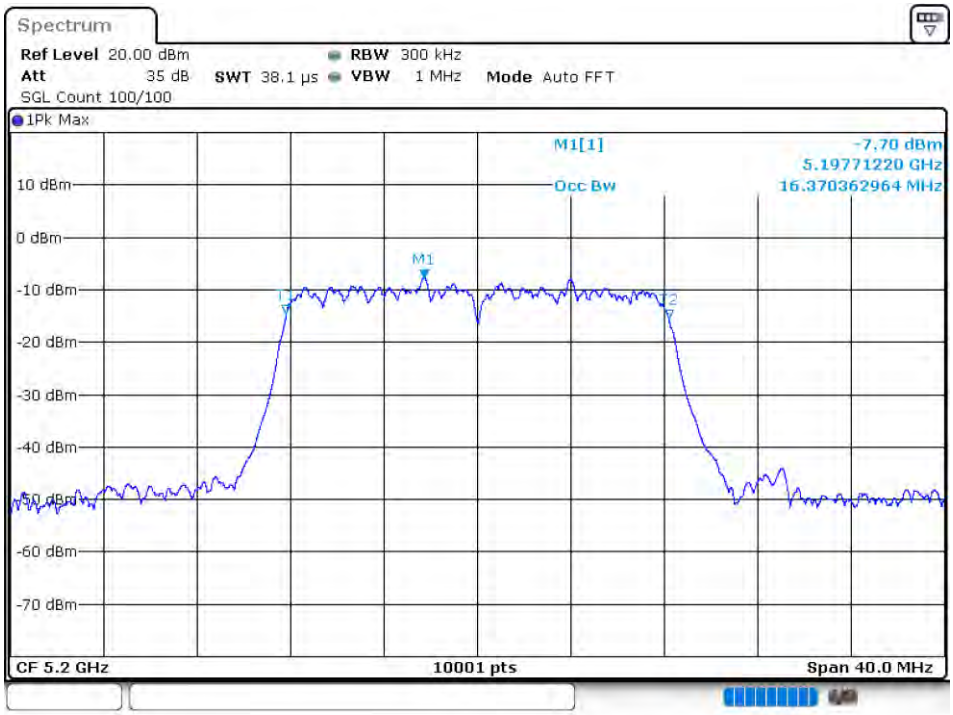
OBW NVNT 802.11a 5180MHz Ant 1



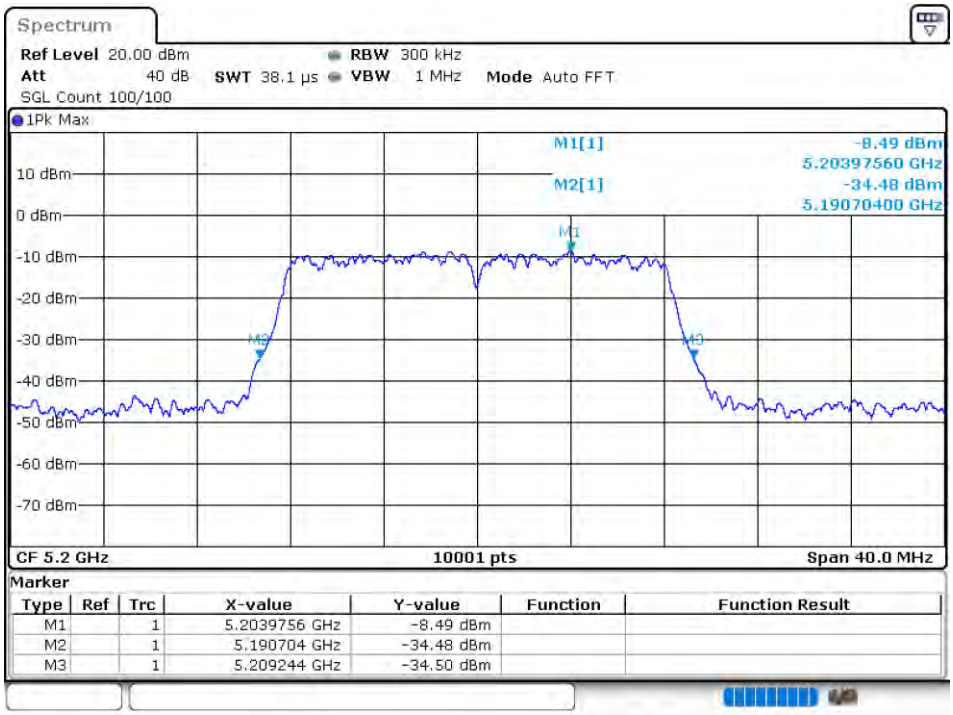
-26 dB BW NVNT 802.11a 5180MHz Ant 1



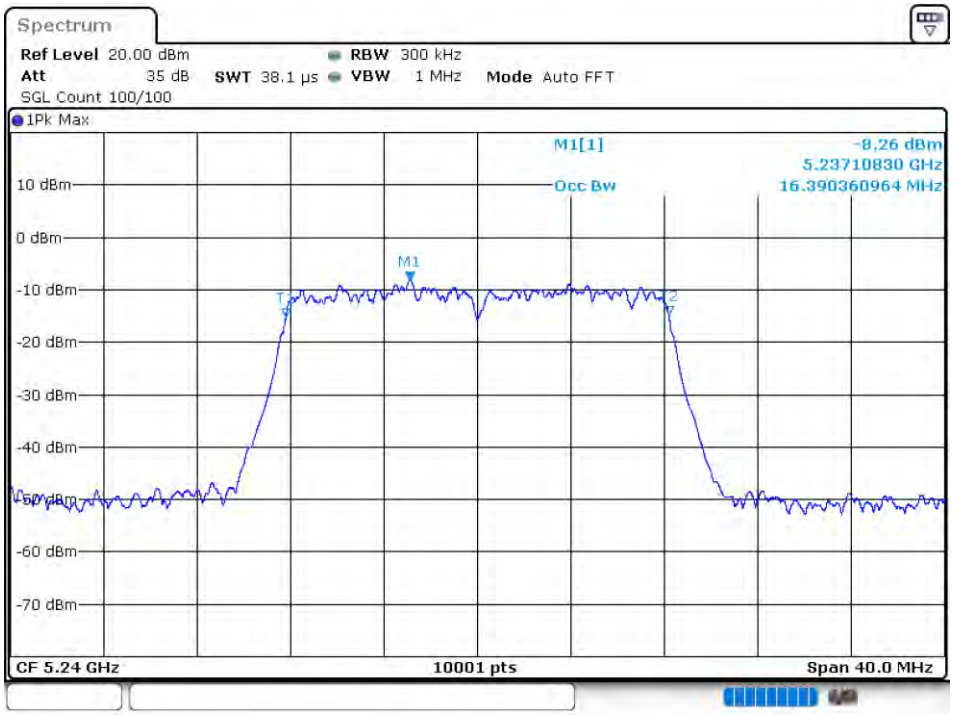
OBW NVNT 802.11a 5200MHz Ant 1



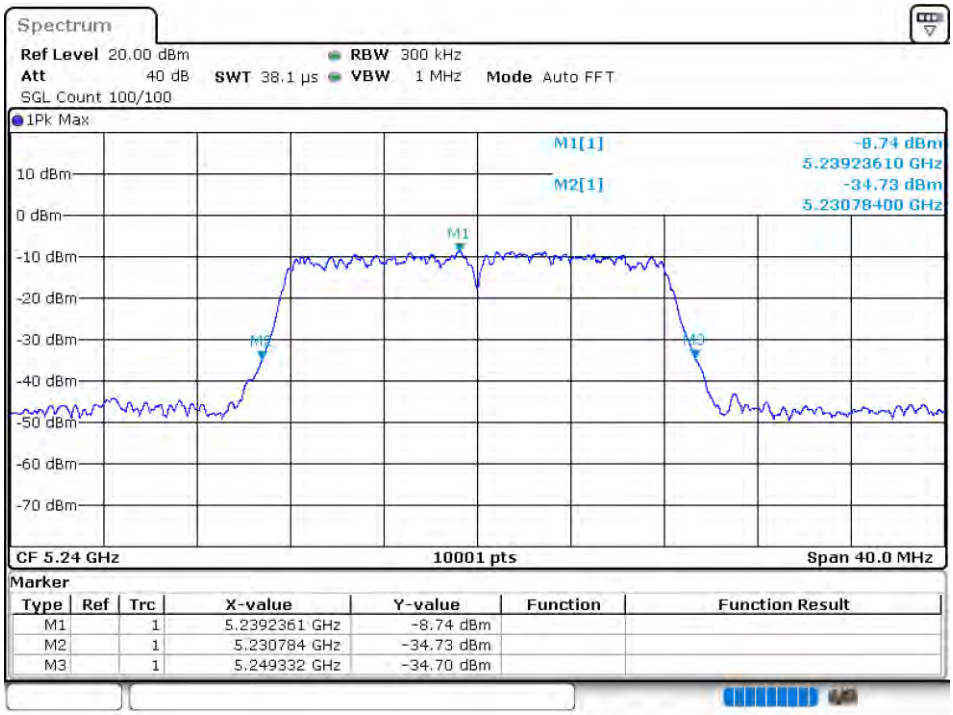
-26 dB BW NVNT 802.11a 5200MHz Ant 1



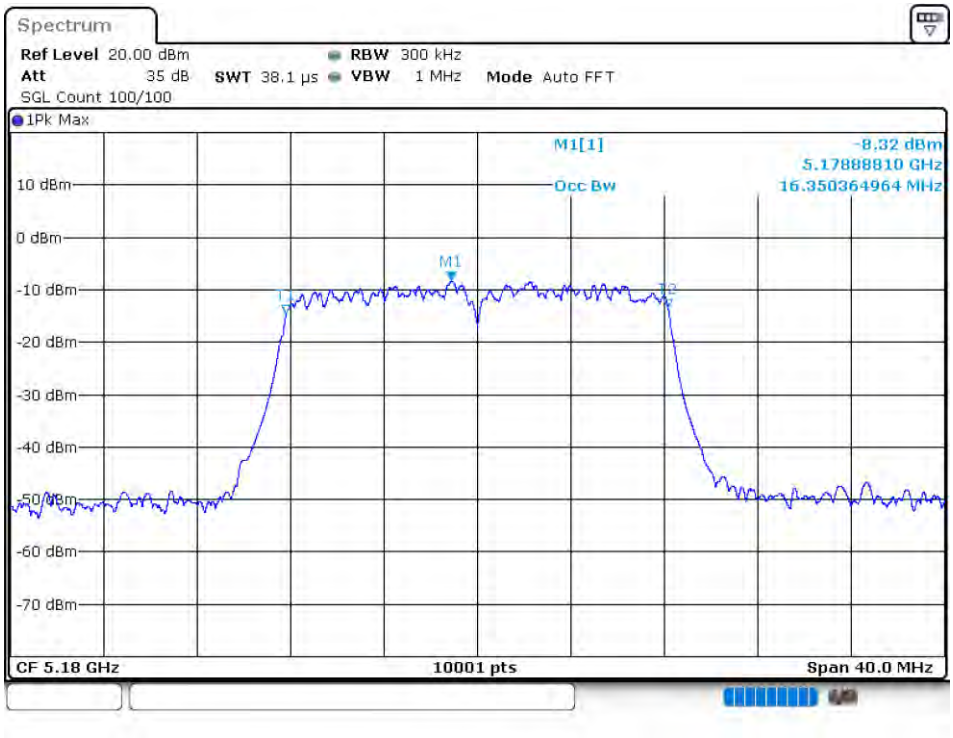
OBW NVNT 802.11a 5240MHz Ant 1



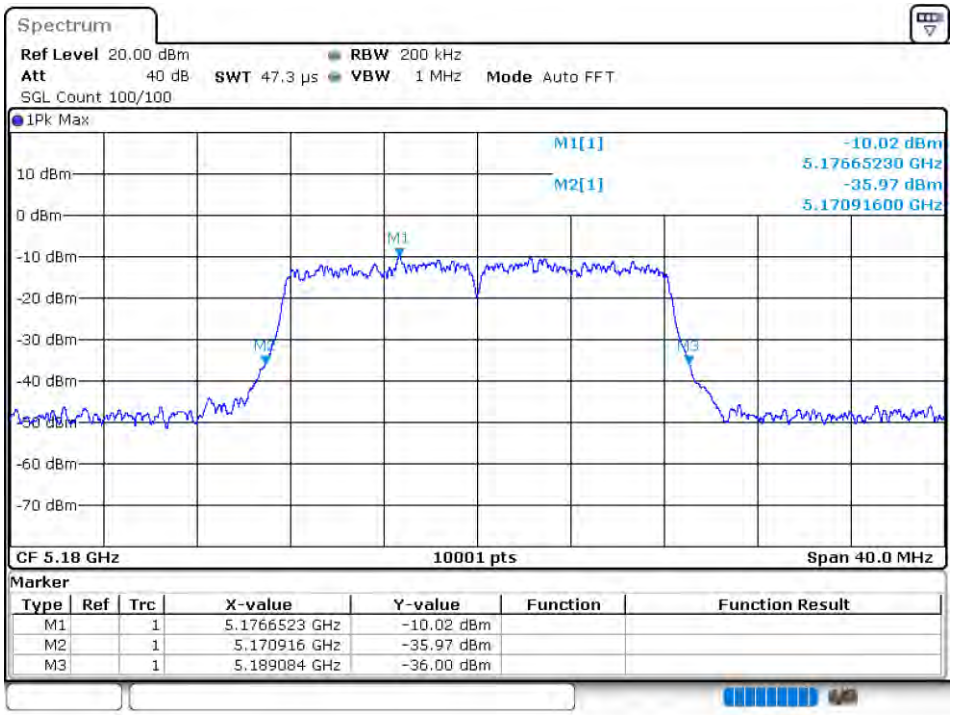
-26 dB BW NVNT 802.11a 5240MHz Ant 1



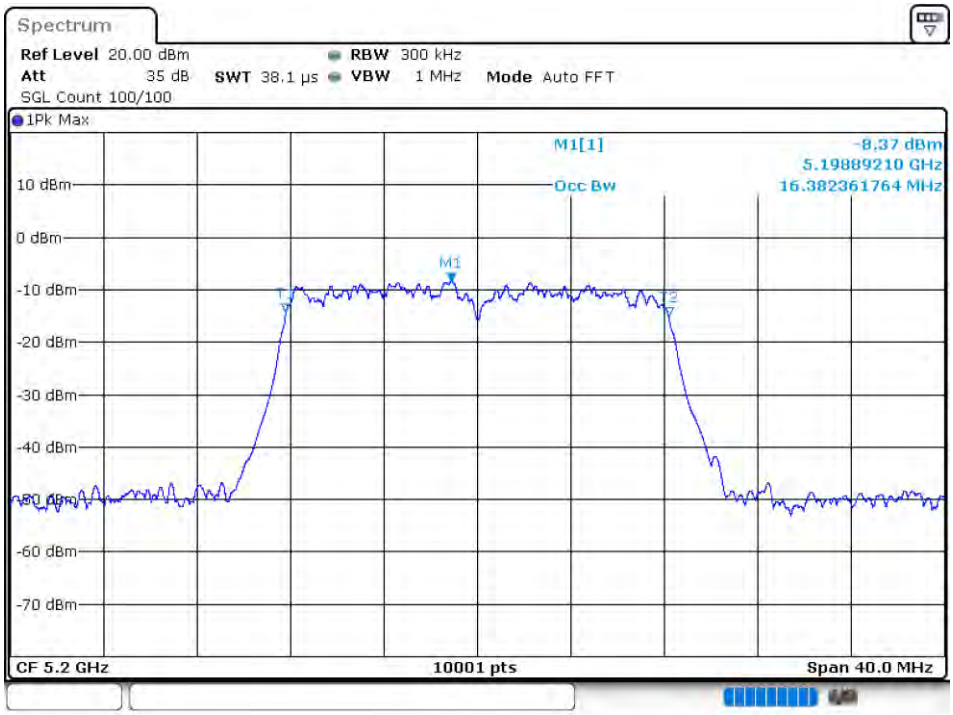
OBW NVNT 802.11a 5180MHz Ant 2



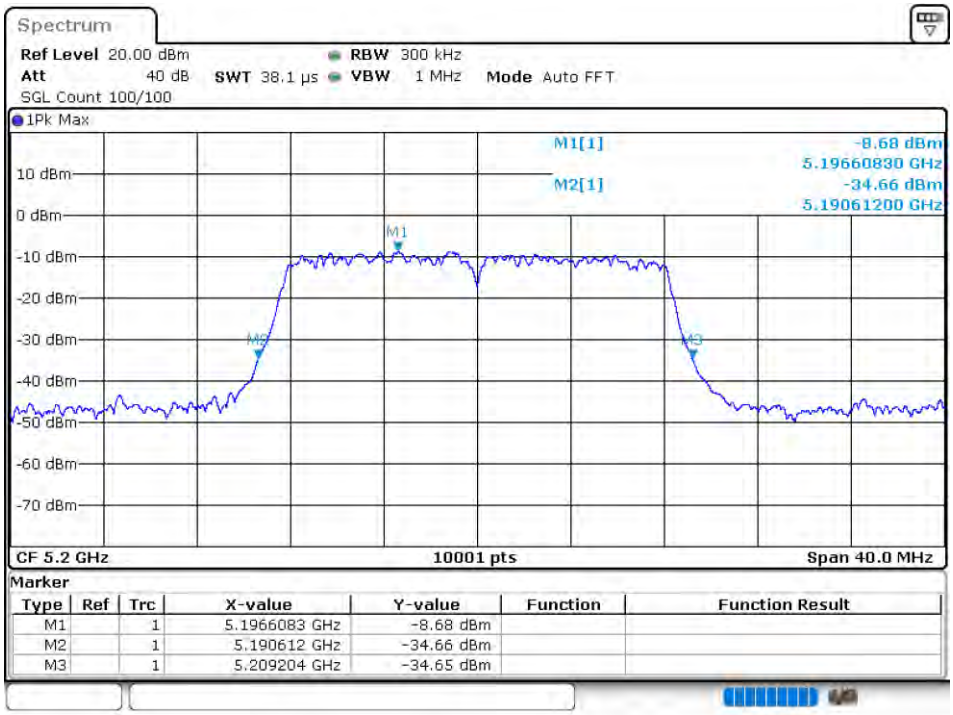
-26 dB BW NVNT 802.11a 5180MHz Ant 2



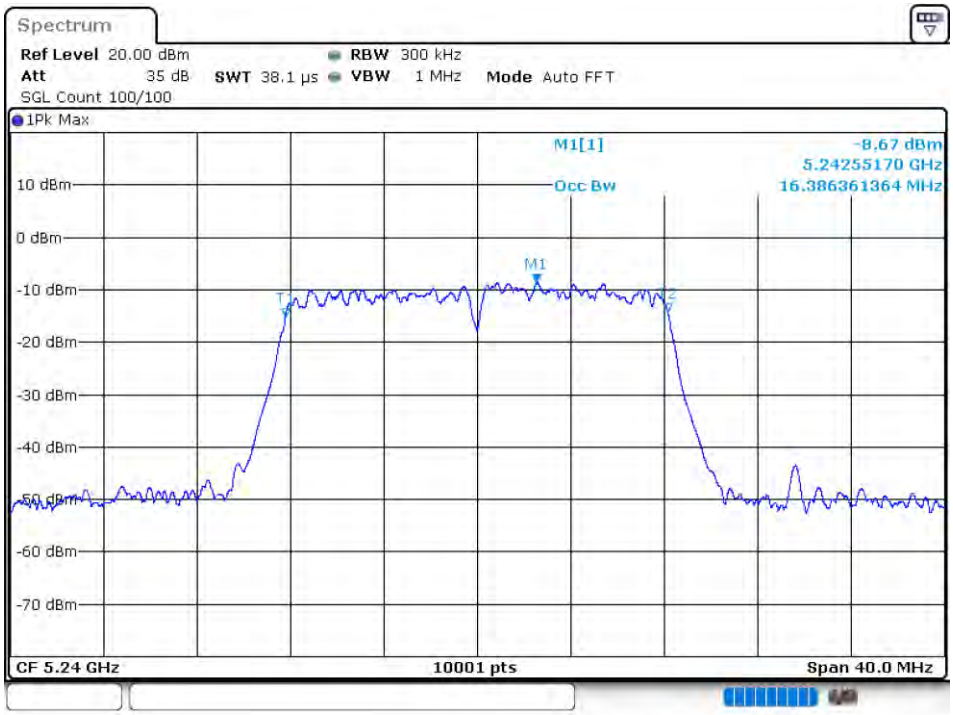
OBW NVNT 802.11a 5200MHz Ant 2



-26 dB BW NVNT 802.11a 5200MHz Ant 2



OBW NVNT 802.11a 5240MHz Ant 2



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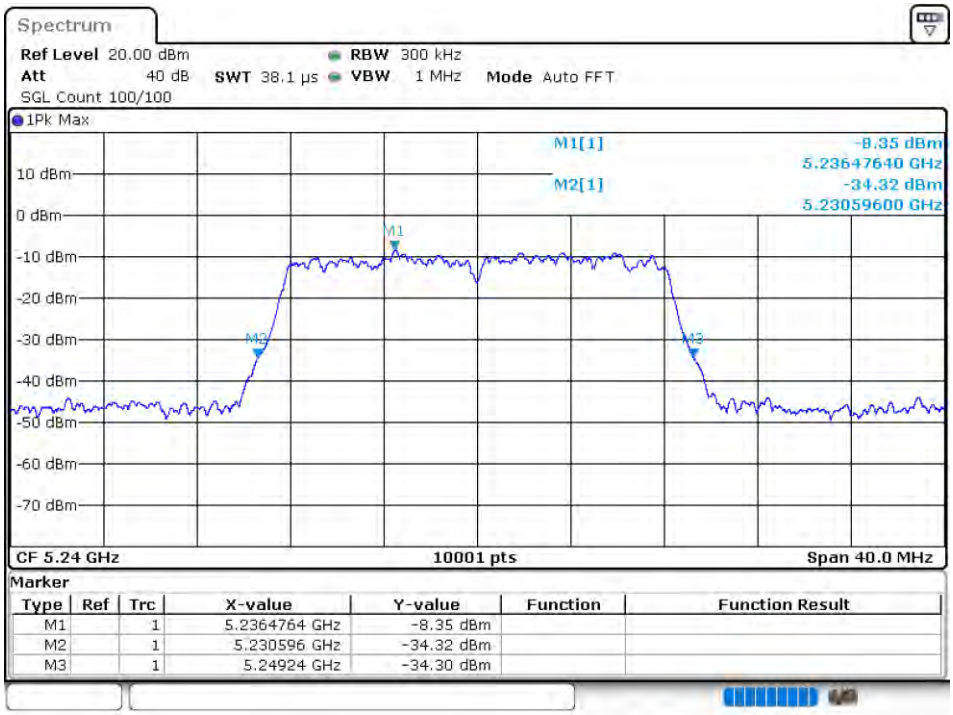
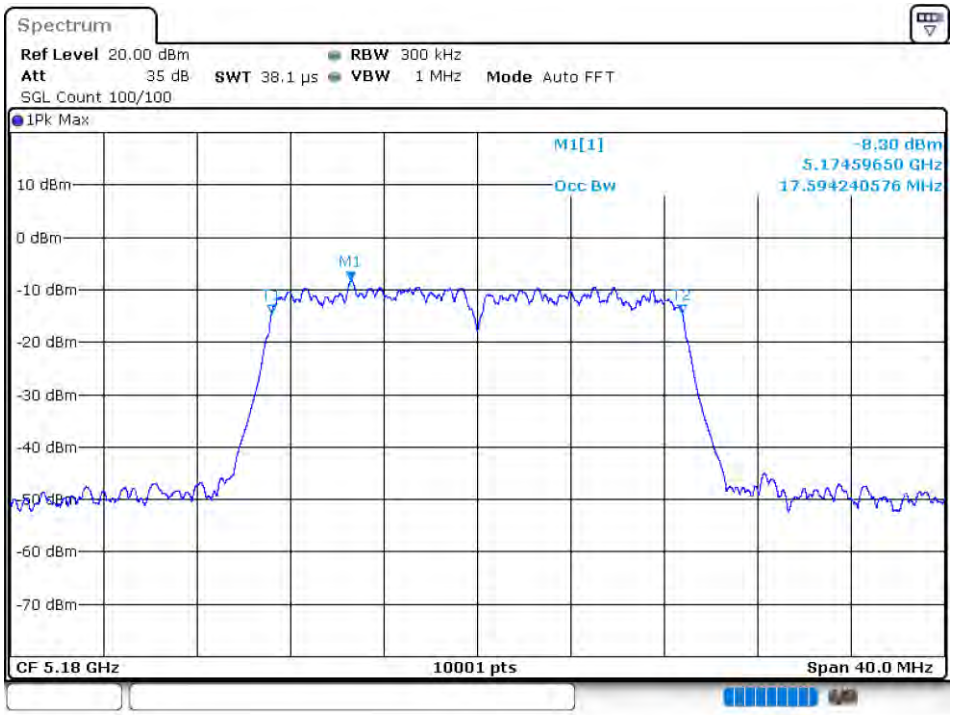


OBW NVNT 802.11ac20 5180MHz Ant 1



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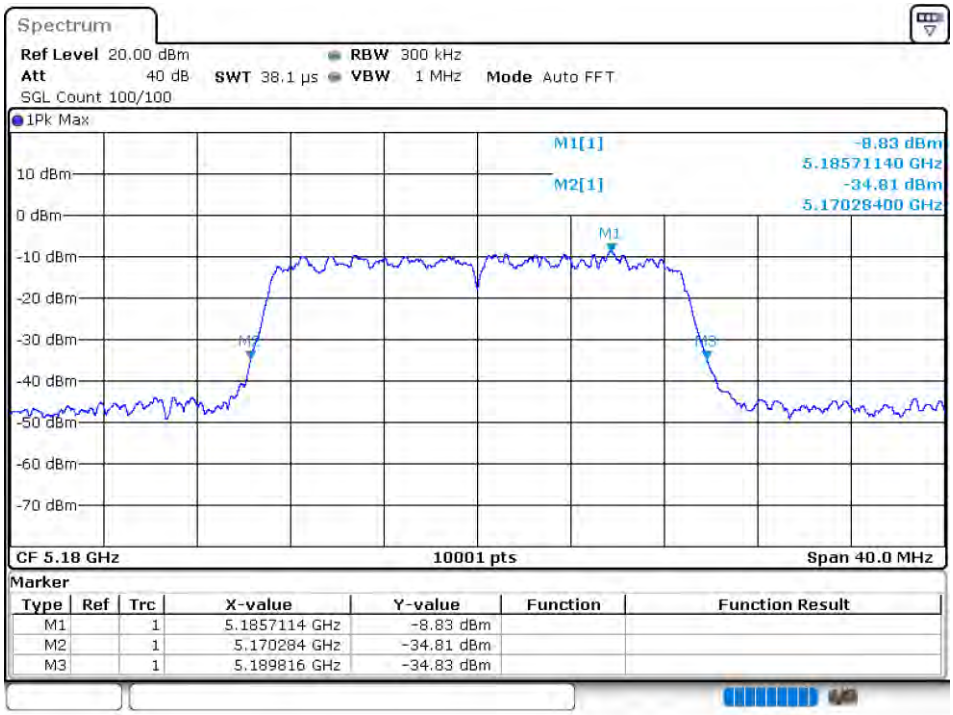

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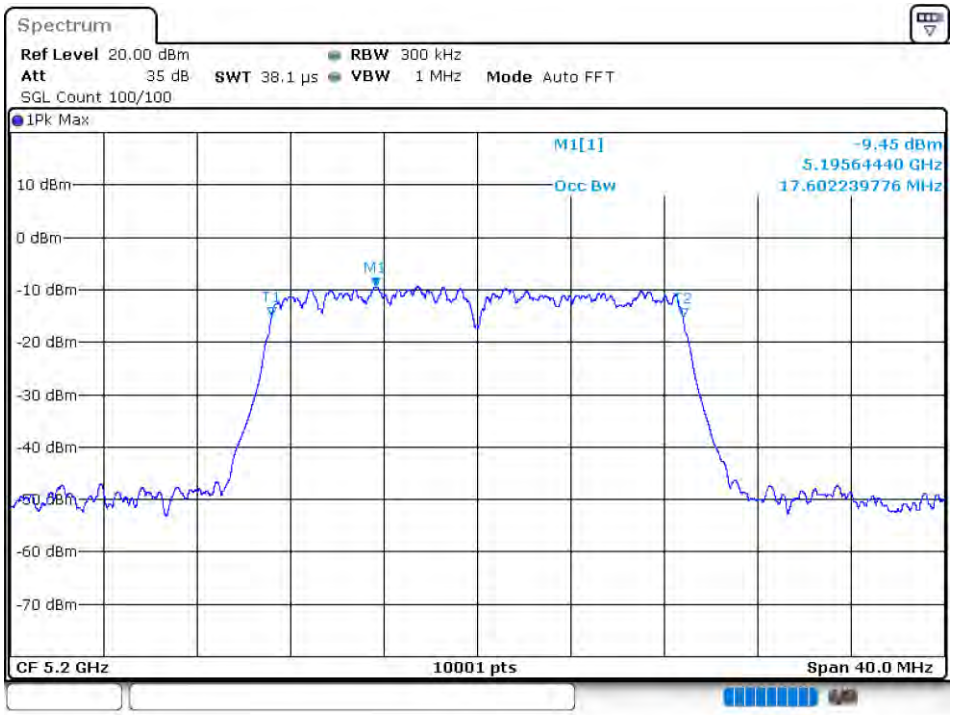

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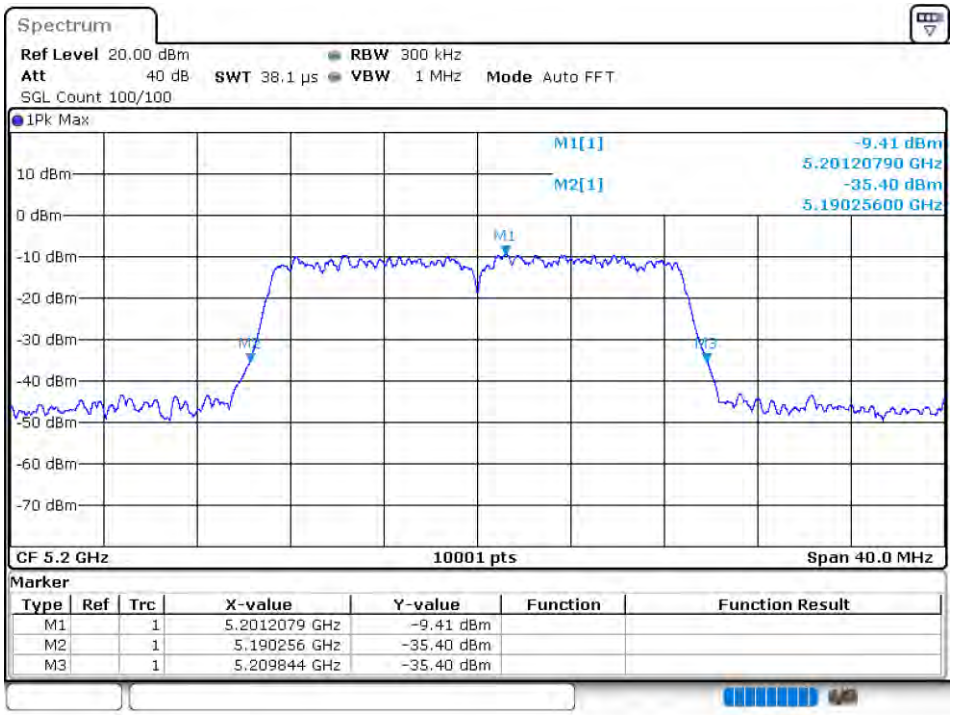
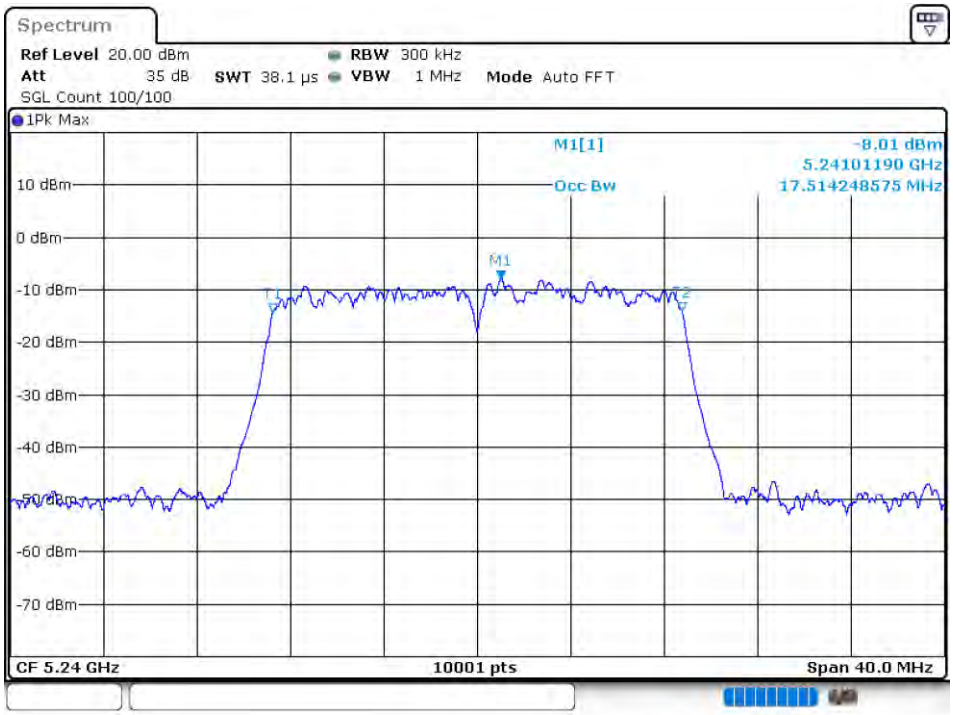


OBW NVNT 802.11ac20 5240MHz Ant 1



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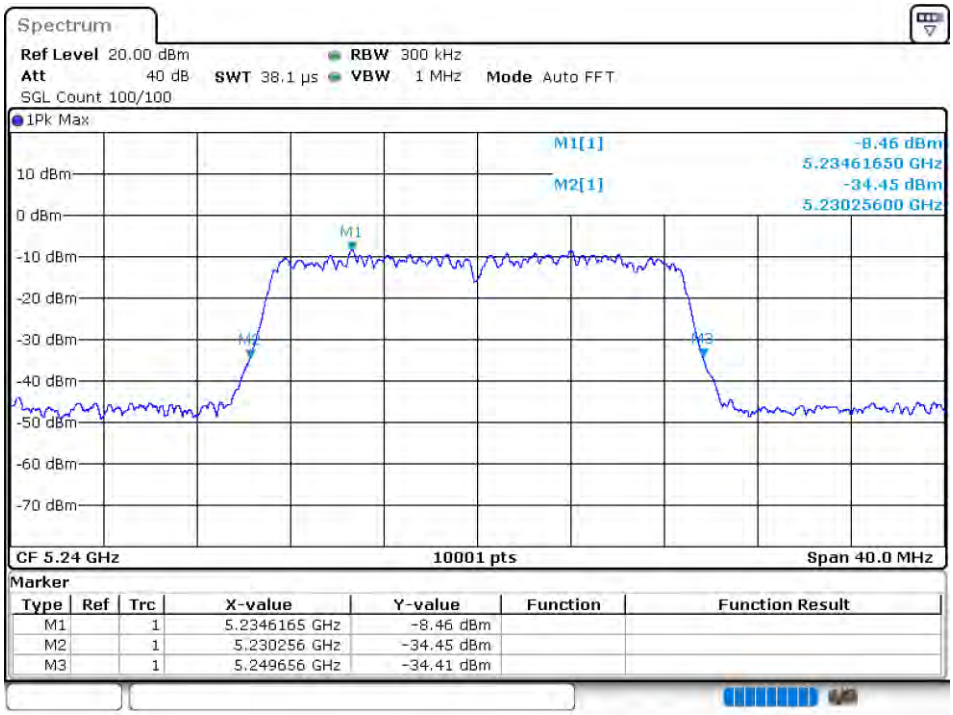
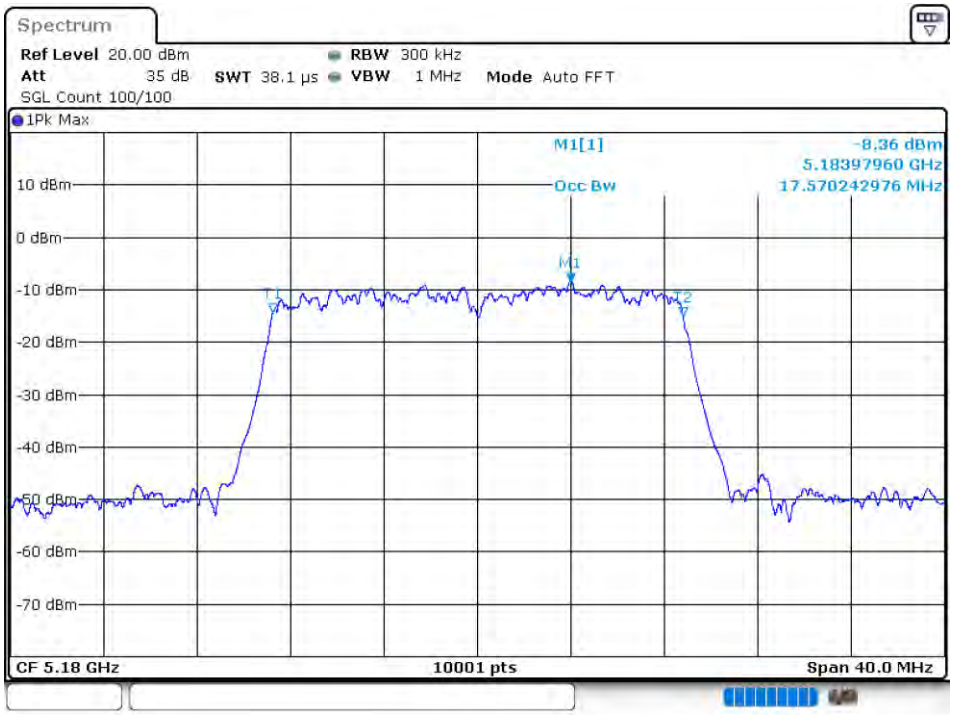
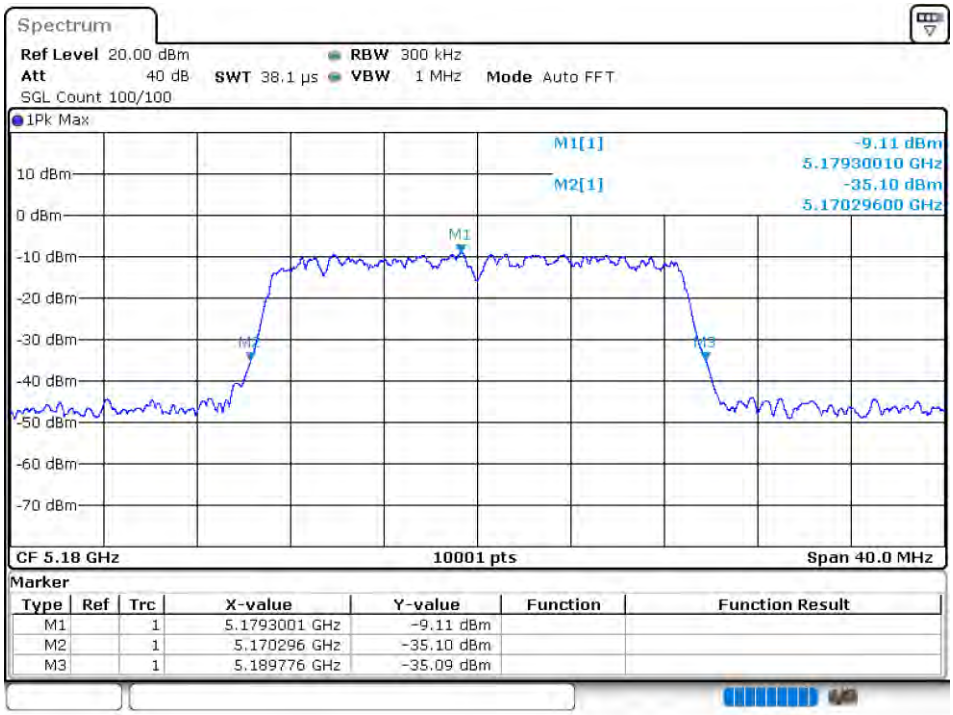


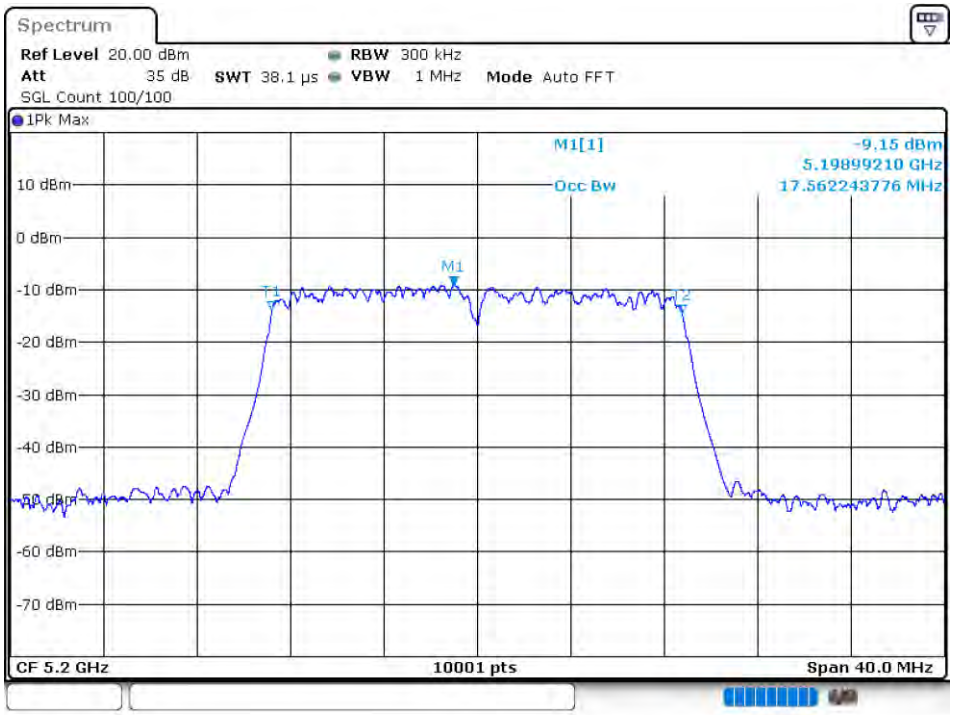
OBW NVNT 802.11ac20 5180MHz Ant 2



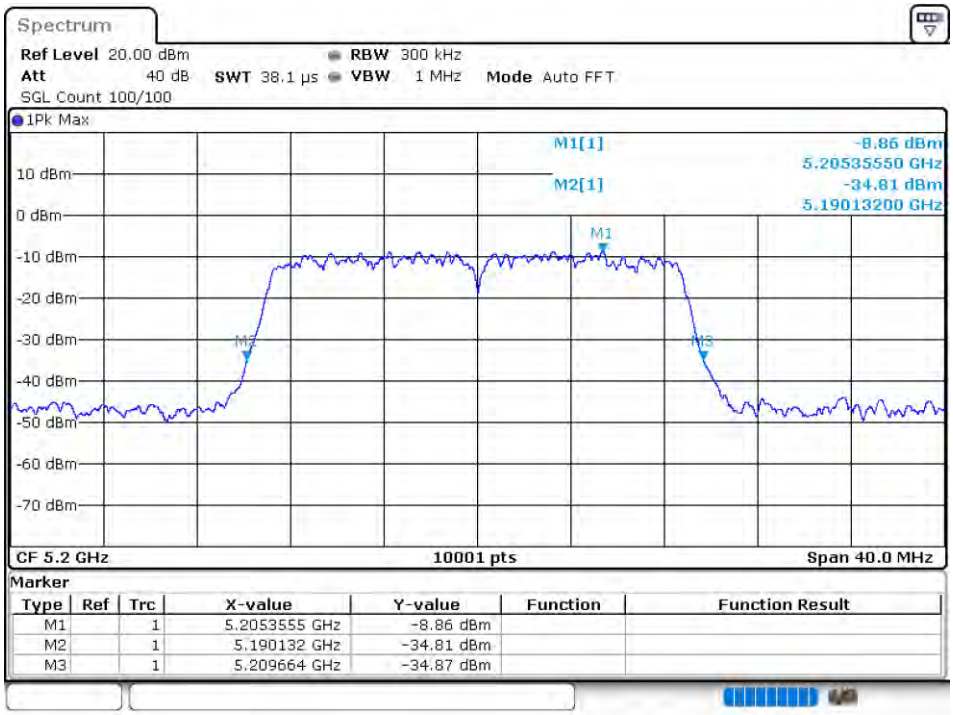
-26 dB BW NVNT 802.11ac20 5180MHz Ant 2



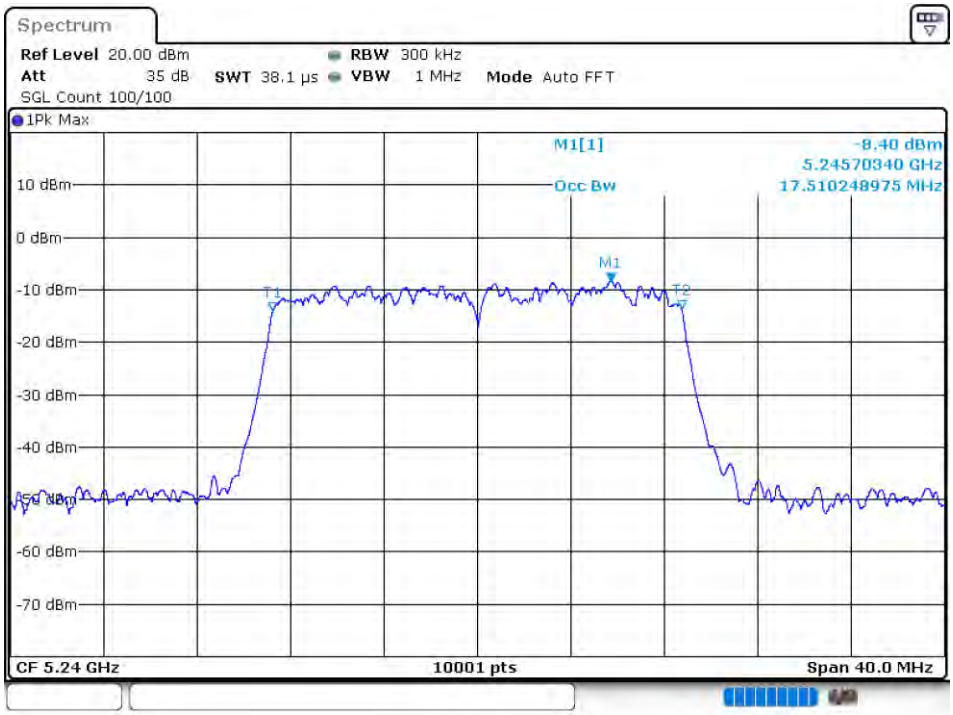
OBW NVNT 802.11ac20 5200MHz Ant 2



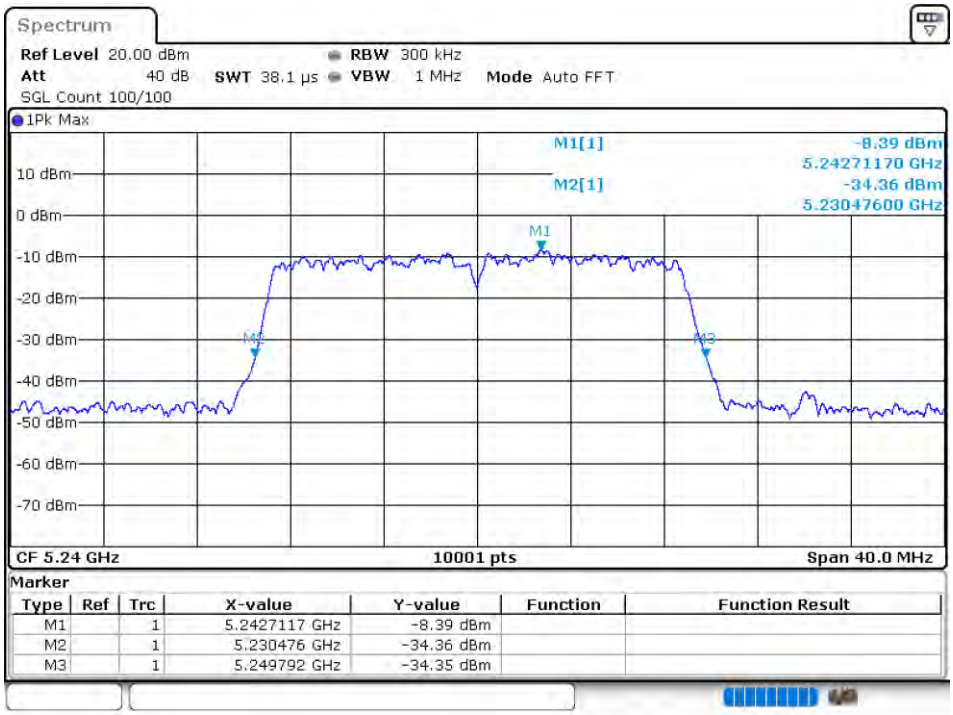
-26 dB BW NVNT 802.11ac20 5200MHz Ant 2



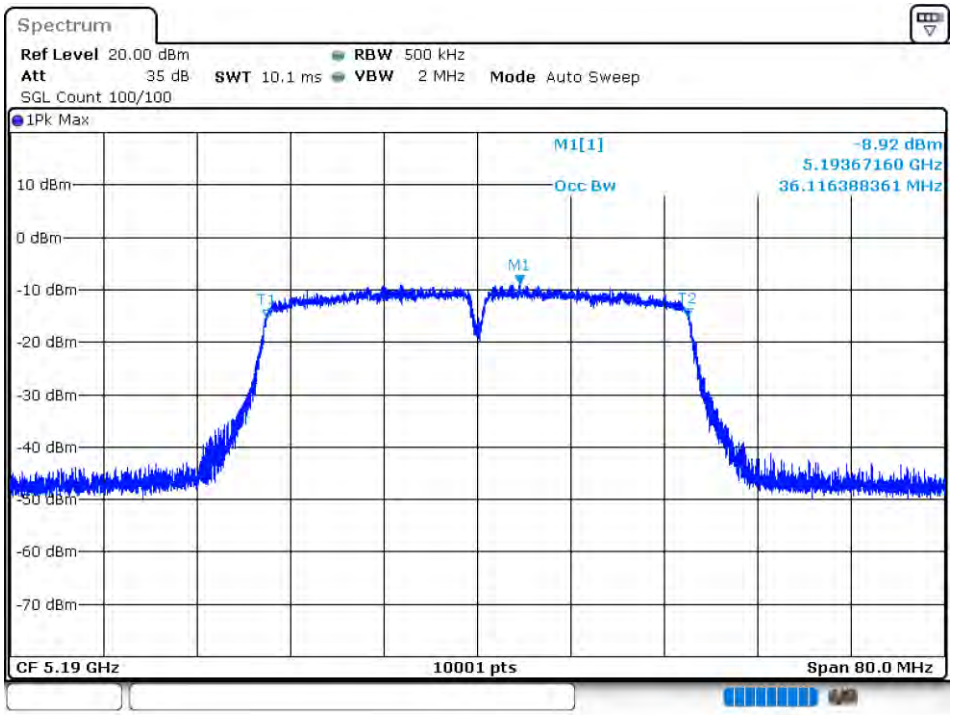
OBW NVNT 802.11ac20 5240MHz Ant 2



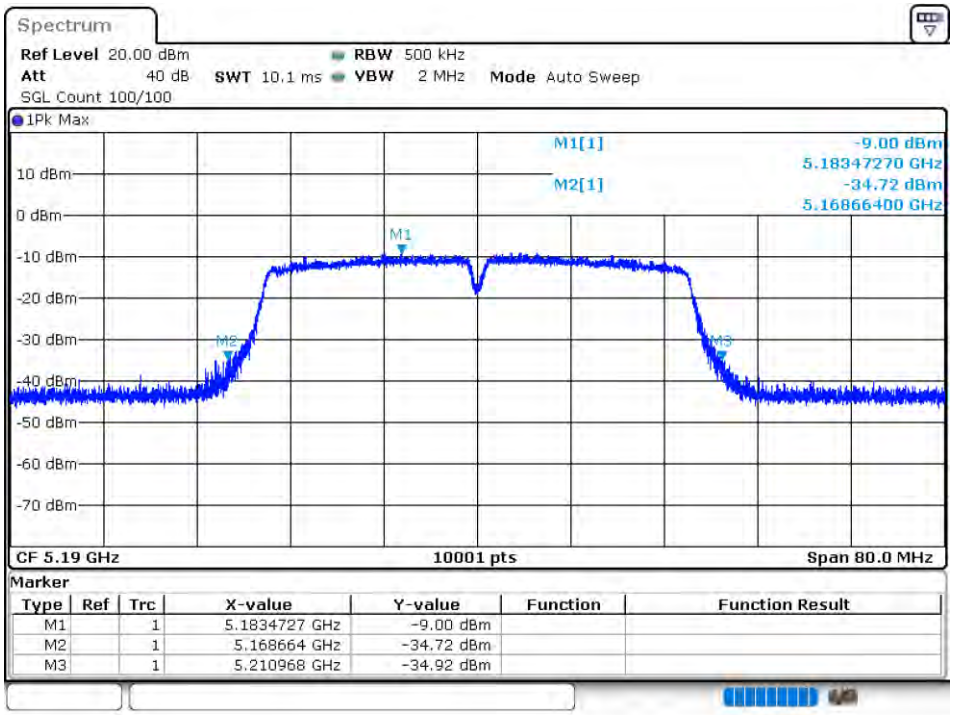
-26 dB BW NVNT 802.11ac20 5240MHz Ant 2



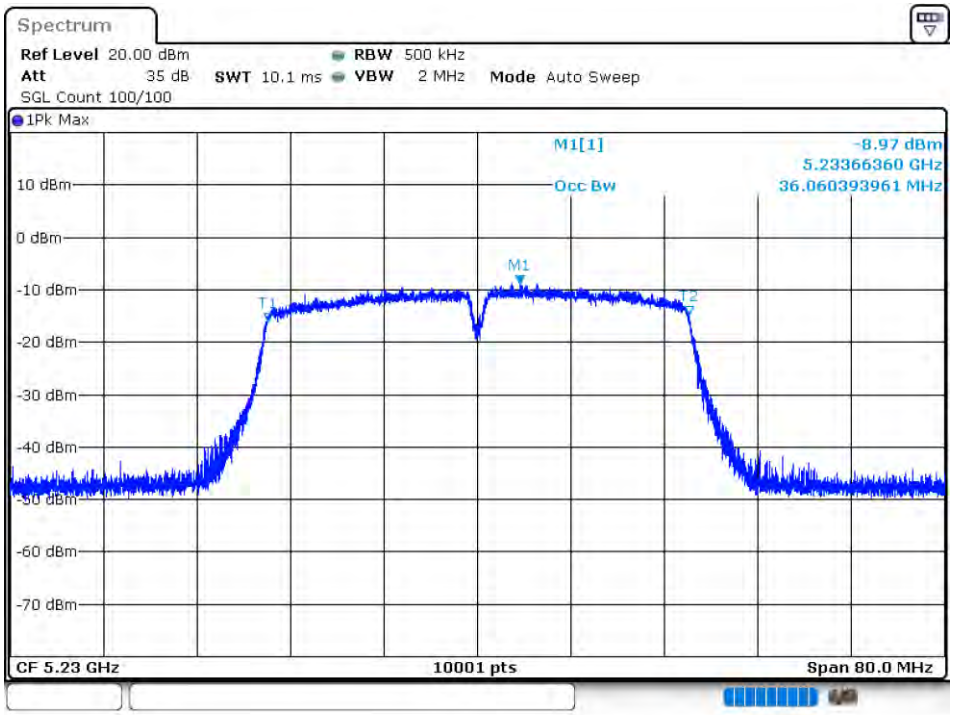
OBW NVNT 802.11ac40 5190MHz Ant 1



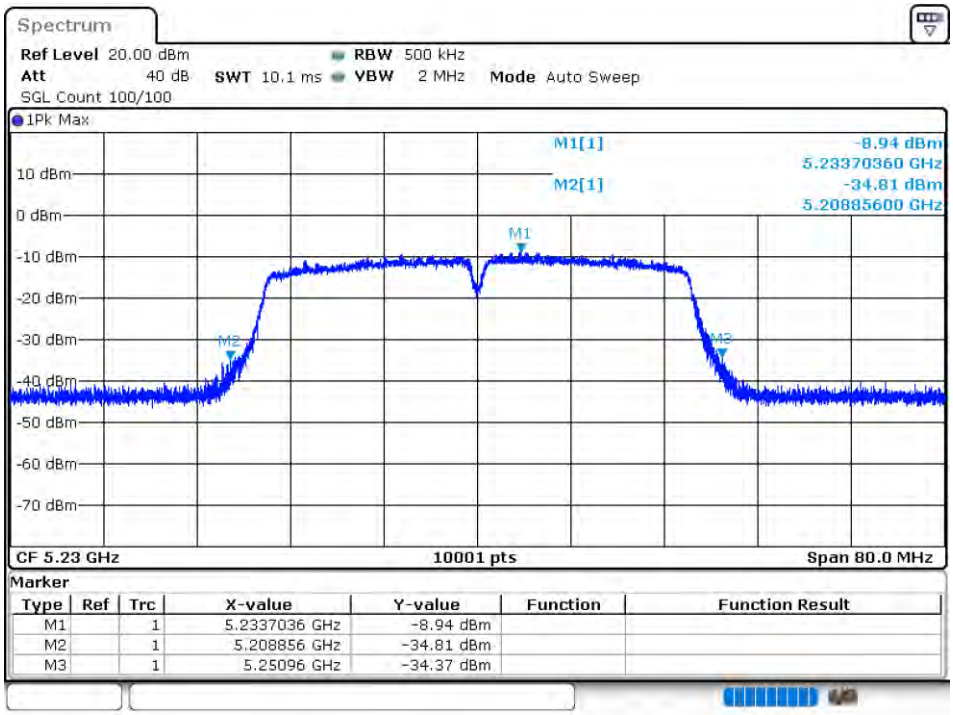
-26 dB BW NVNT 802.11ac40 5190MHz Ant 1



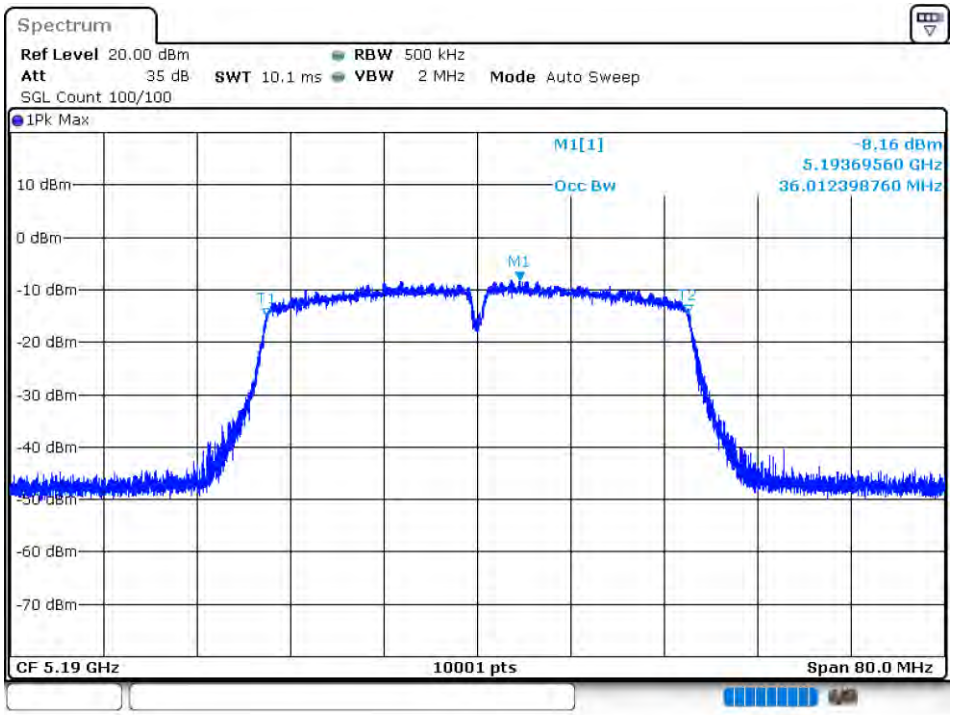
OBW NVNT 802.11ac40 5230MHz Ant 1



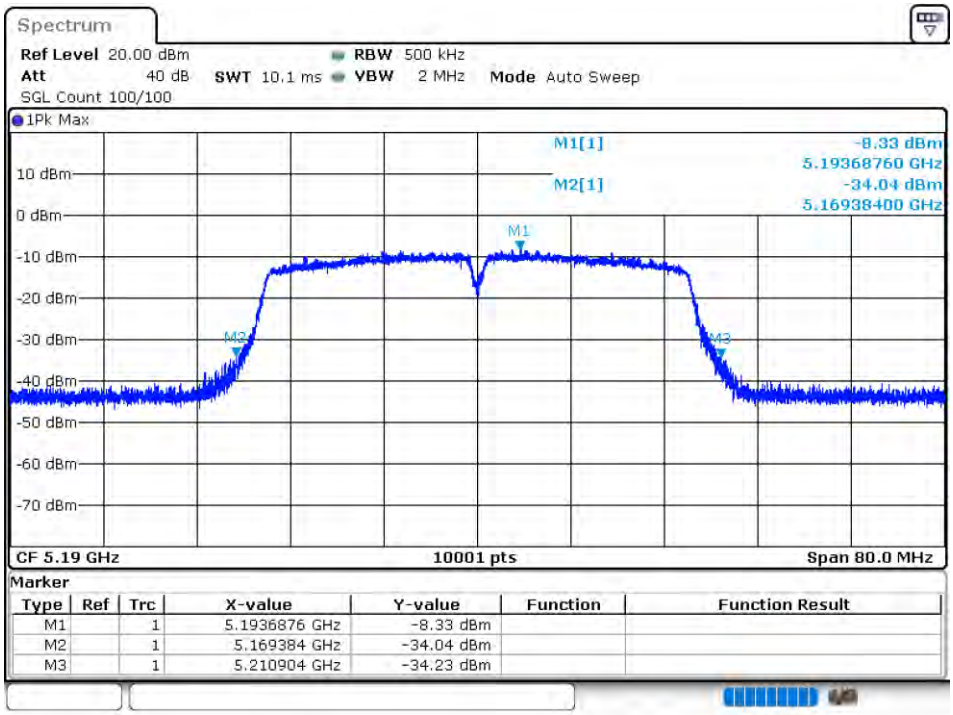
-26 dB BW NVNT 802.11ac40 5230MHz Ant 1



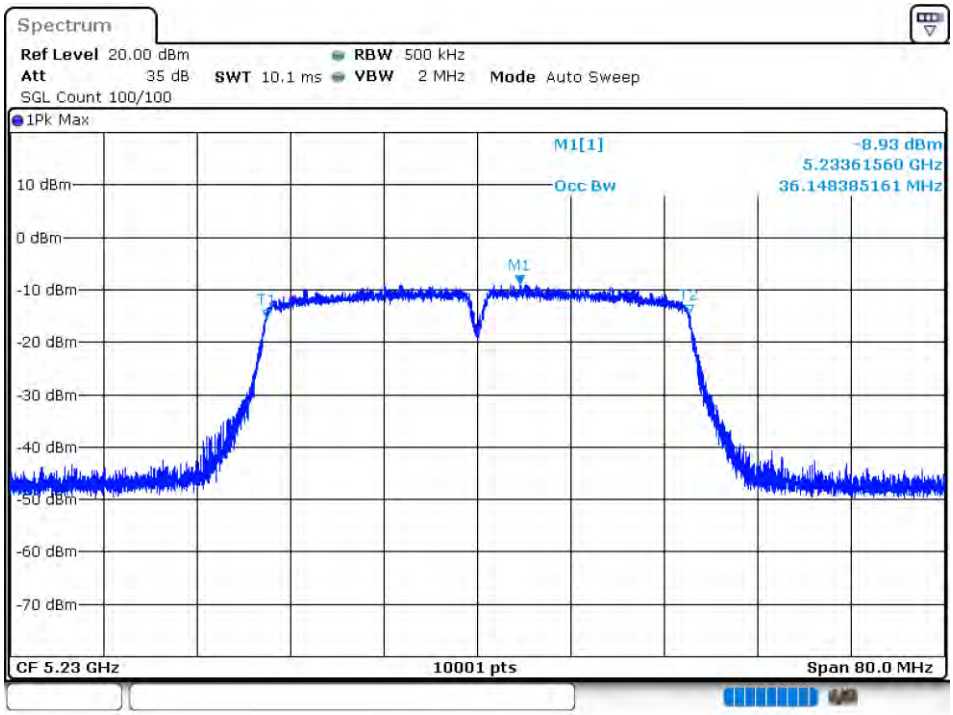
OBW NVNT 802.11ac40 5190MHz Ant 2



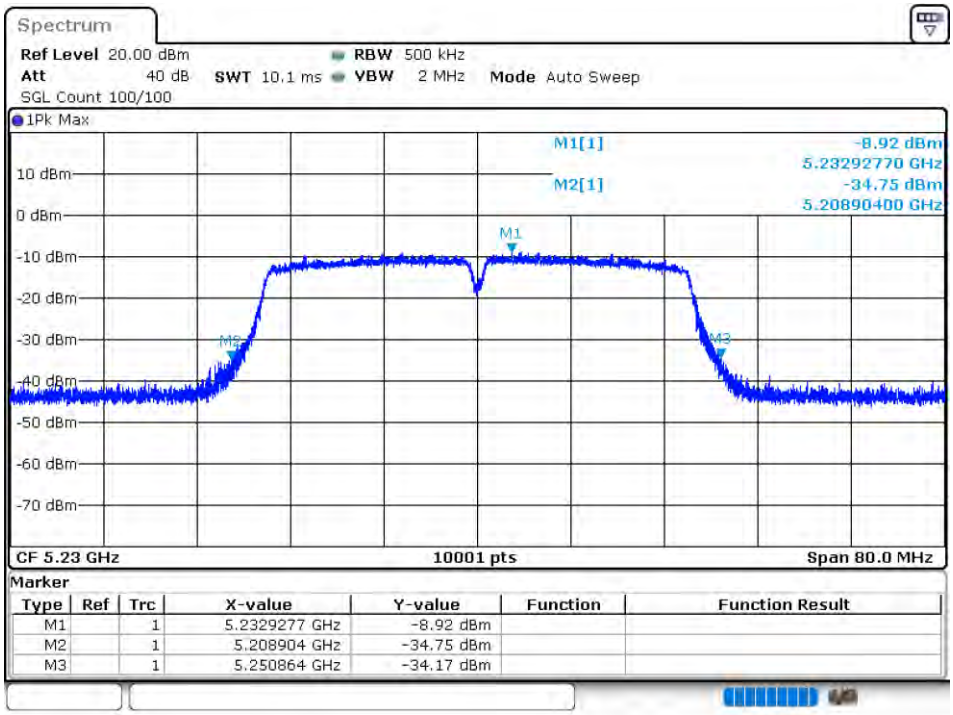
-26 dB BW NVNT 802.11ac40 5190MHz Ant 2



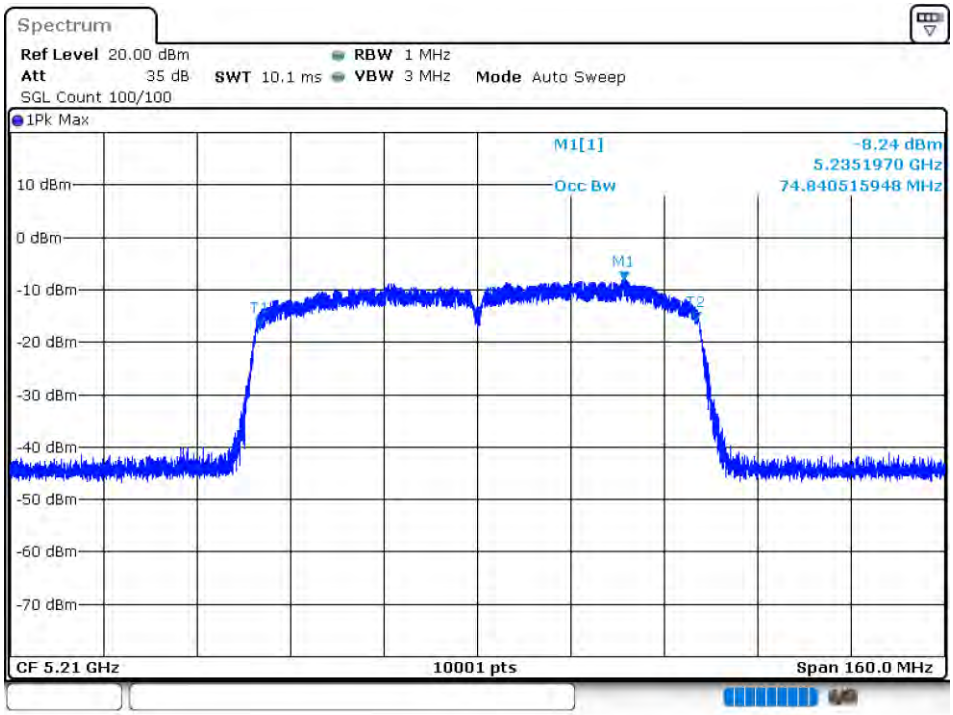
OBW NVNT 802.11ac40 5230MHz Ant 2



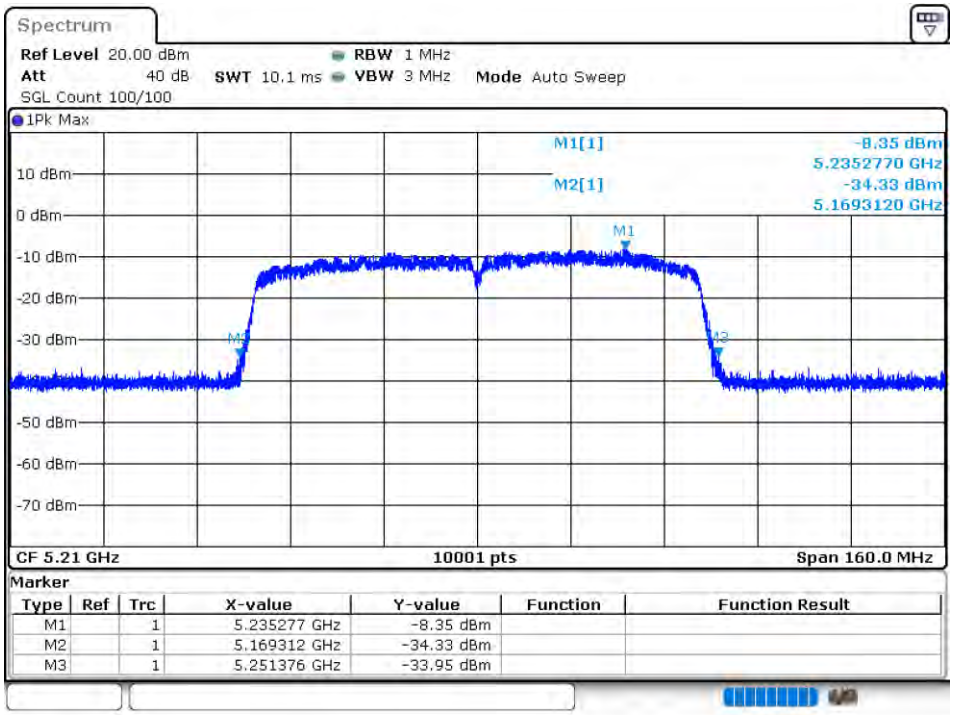
-26 dB BW NVNT 802.11ac40 5230MHz Ant 2



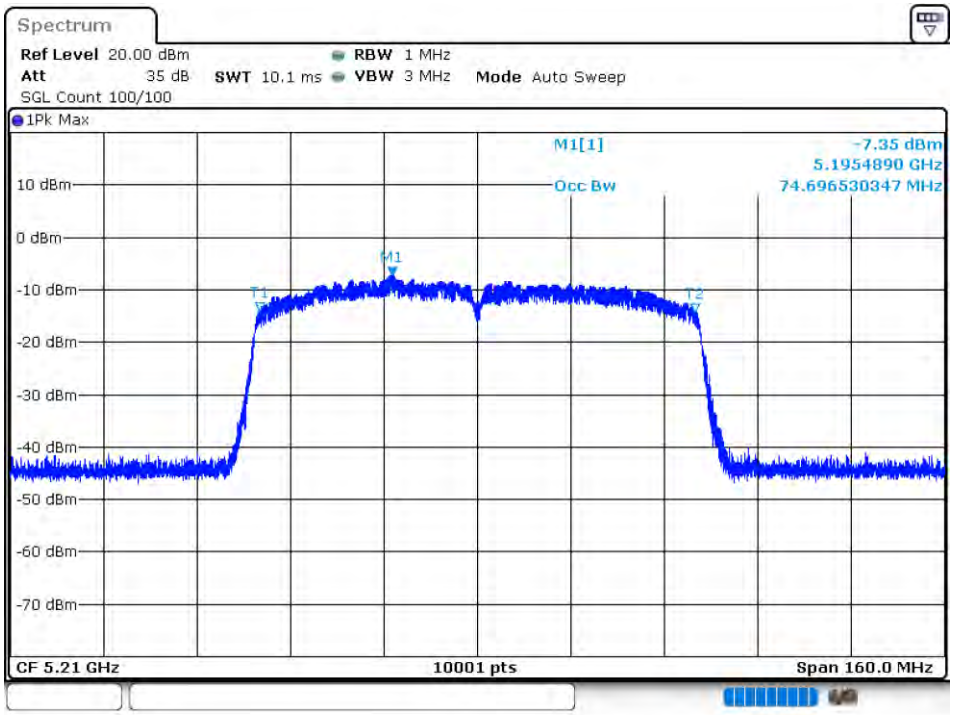
OBW NVNT 802.11ac80 5210MHz Ant 1



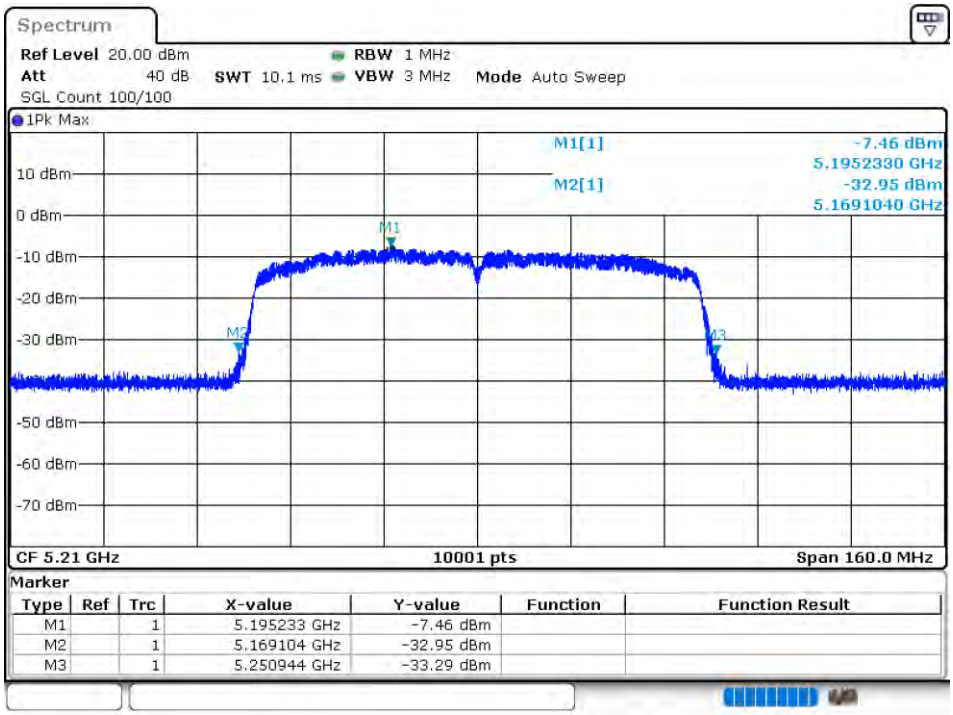
-26 dB BW NVNT 802.11ac80 5210MHz Ant 1



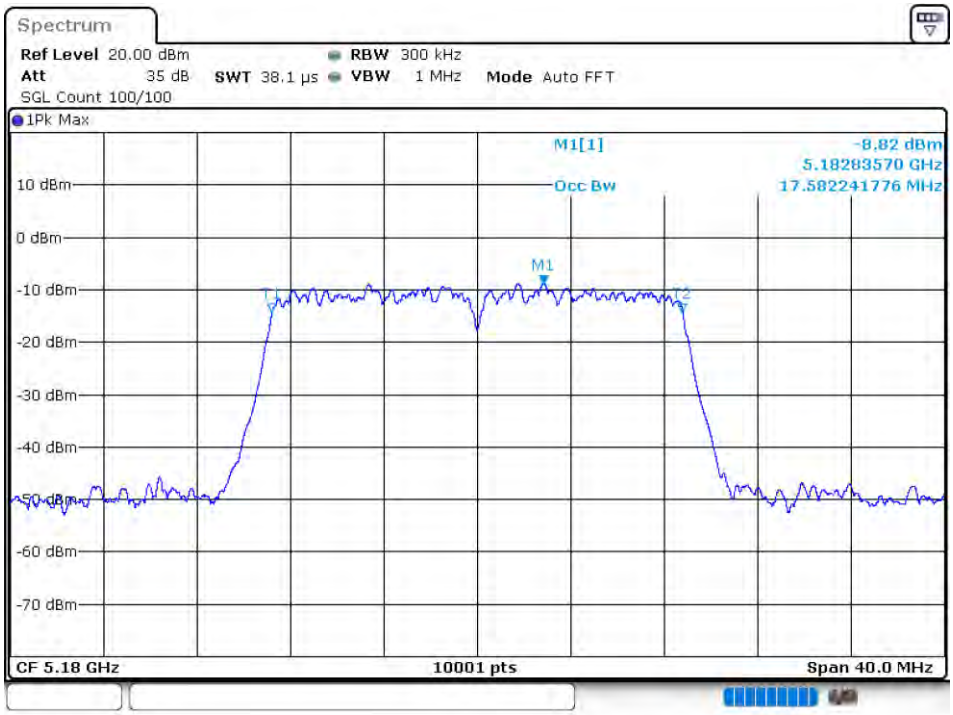
OBW NVNT 802.11ac80 5210MHz Ant 2



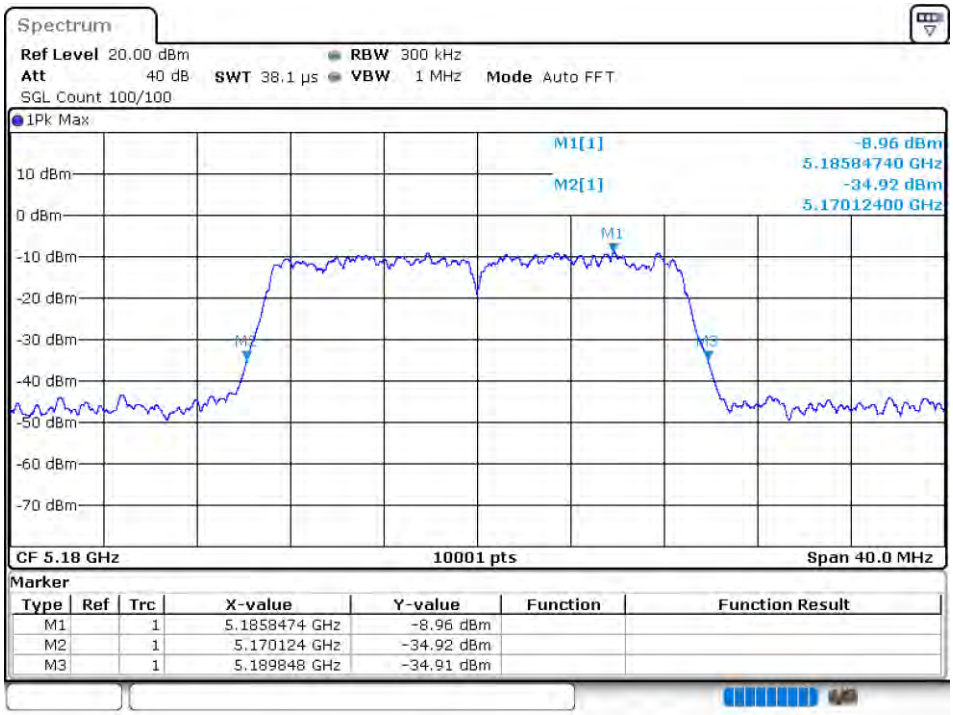
-26 dB BW NVNT 802.11ac80 5210MHz Ant 2



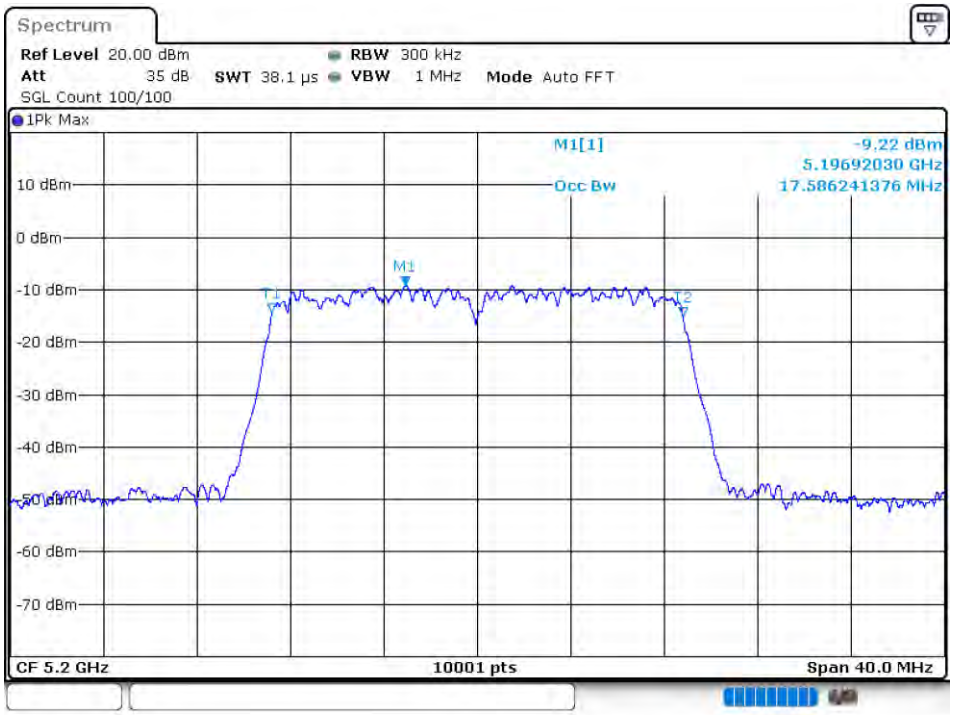
OBW NVNT 802.11n(HT20) 5180MHz Ant 1



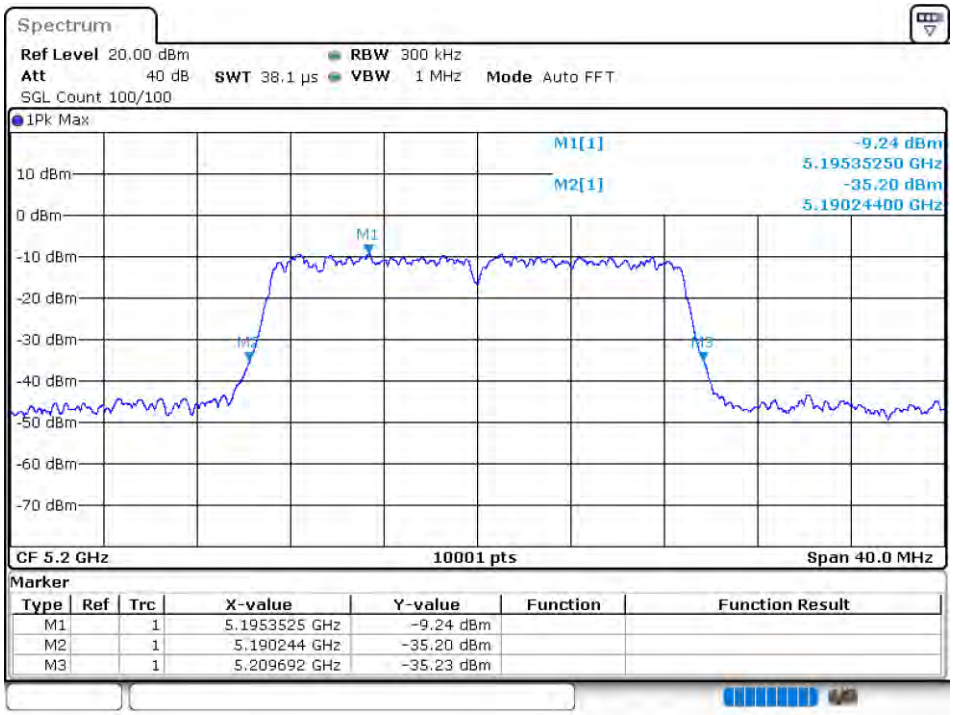
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant 1



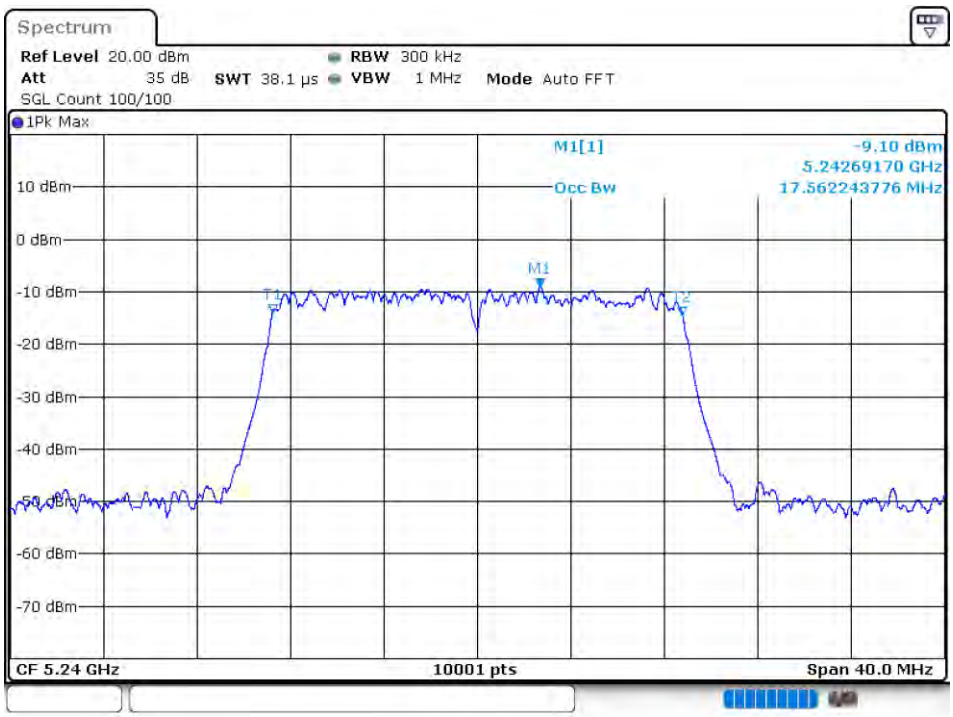
OBW NVNT 802.11n(HT20) 5200MHz Ant 1



-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant 1



OBW NVNT 802.11n(HT20) 5240MHz Ant 1



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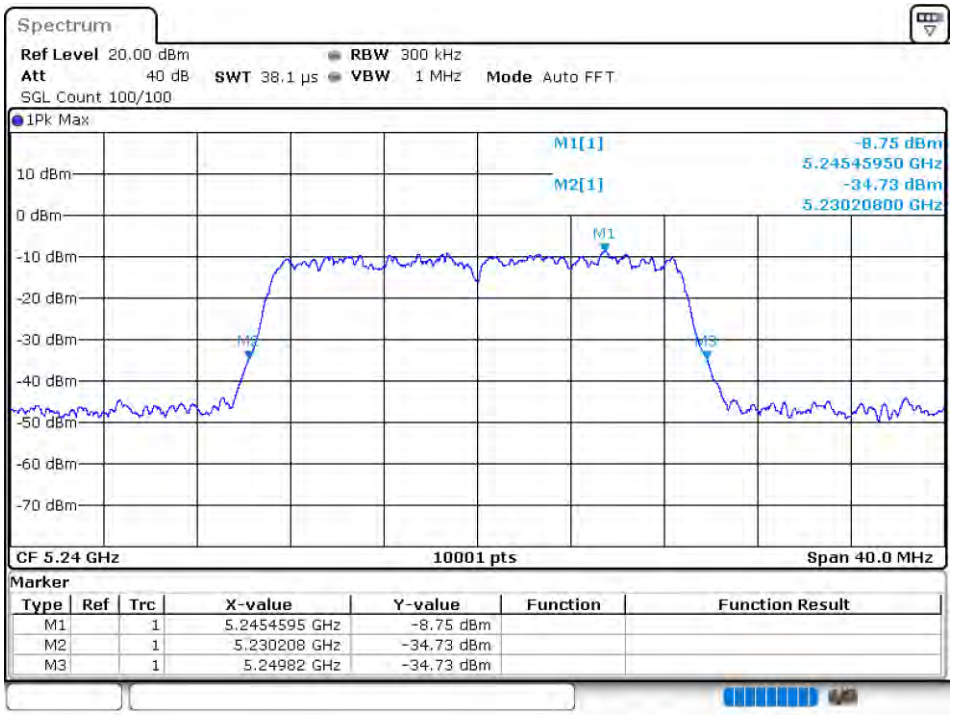
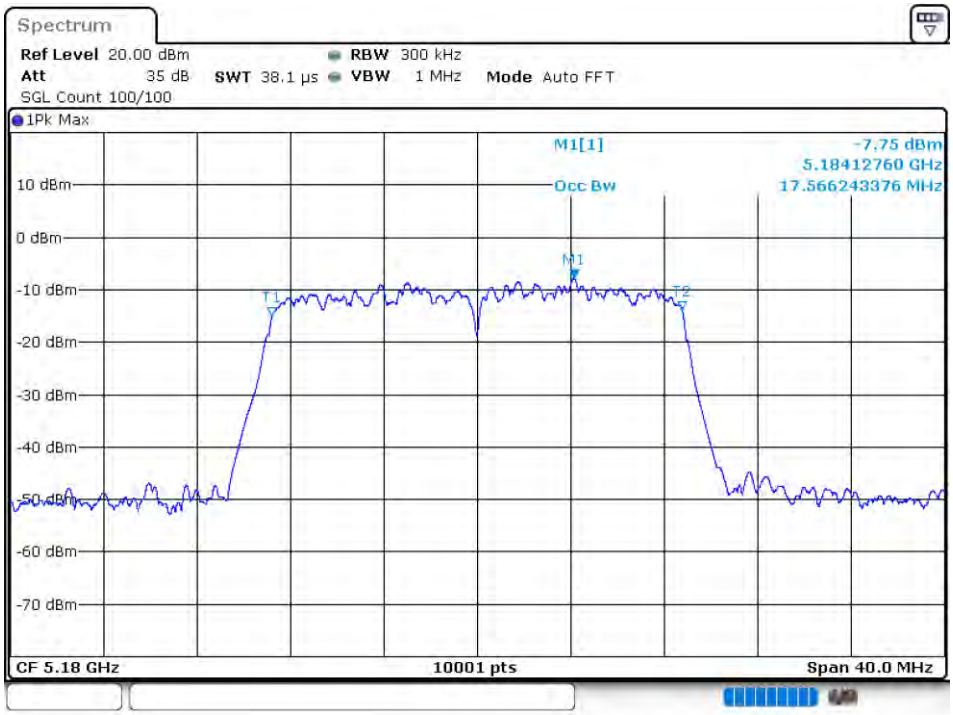


OBW NVNT 802.11n(HT20) 5180MHz Ant 2



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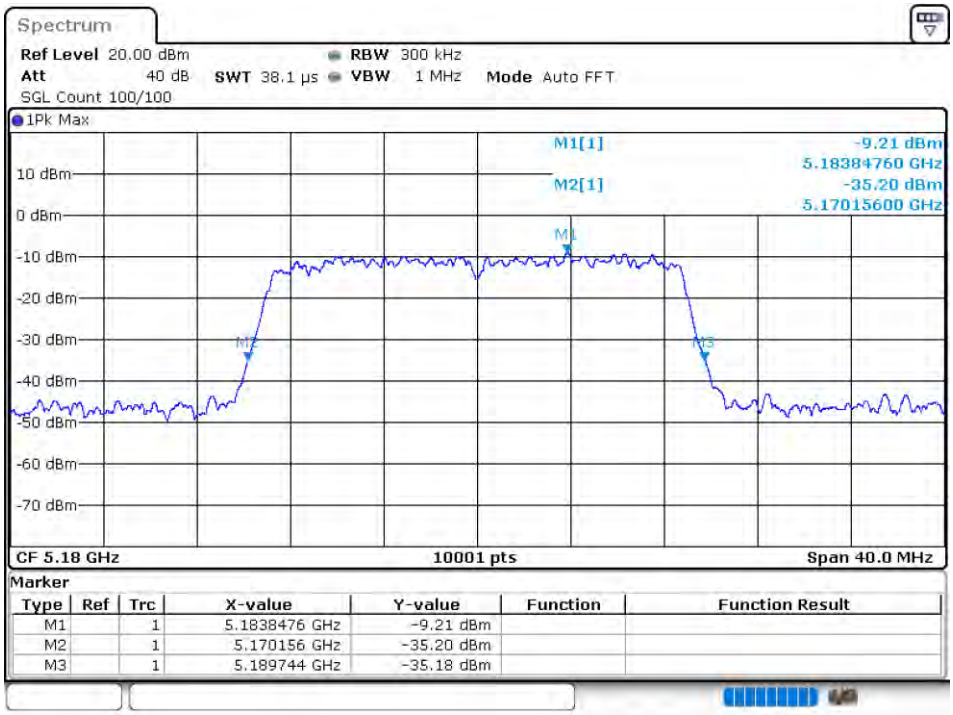
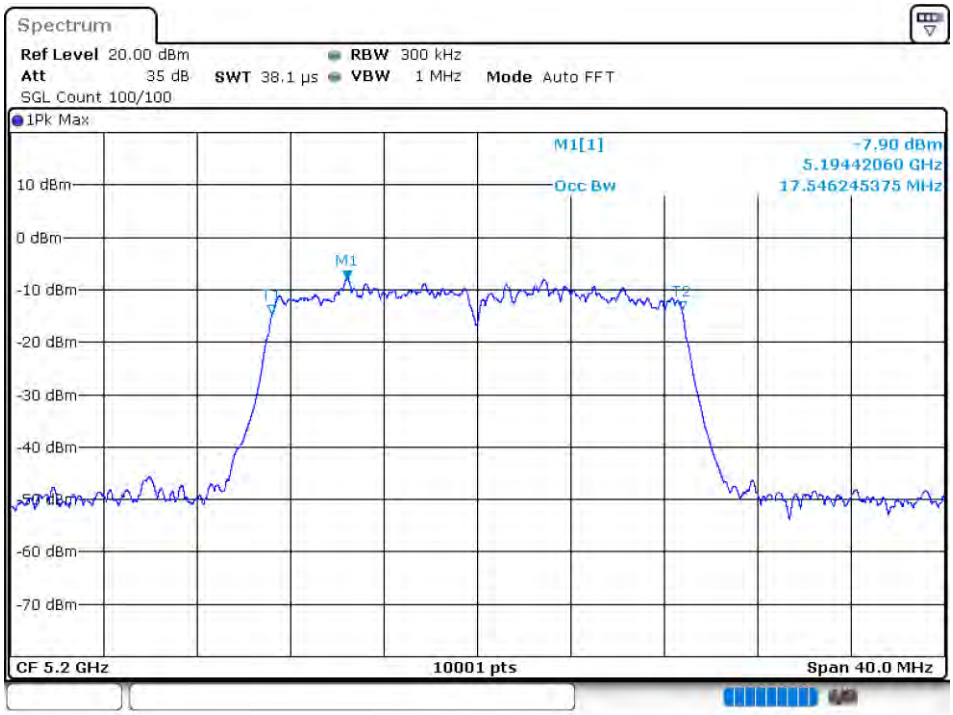
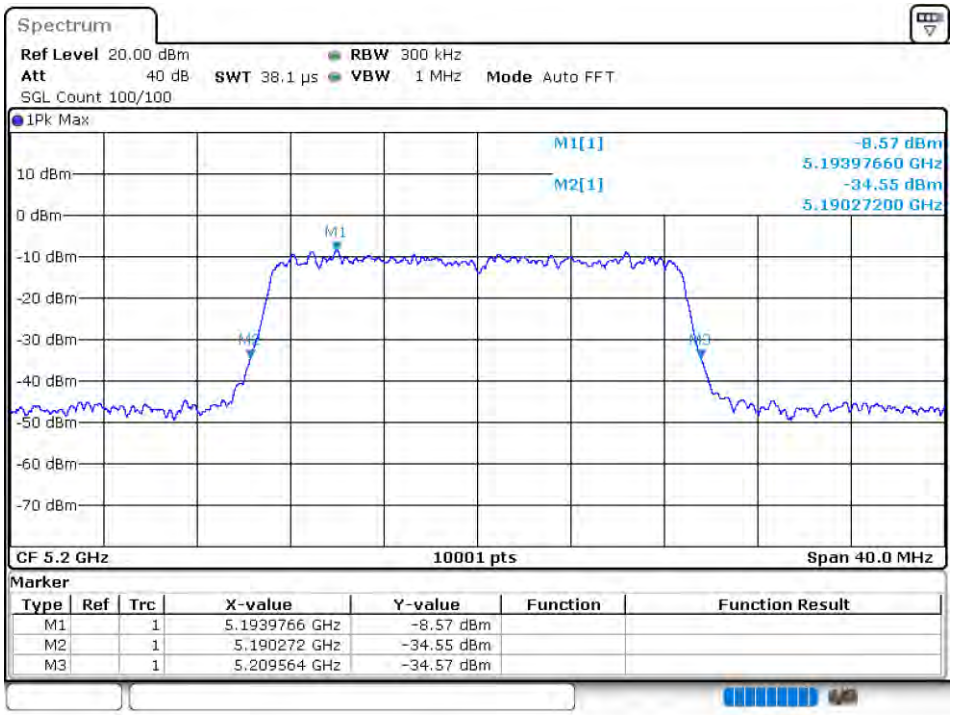


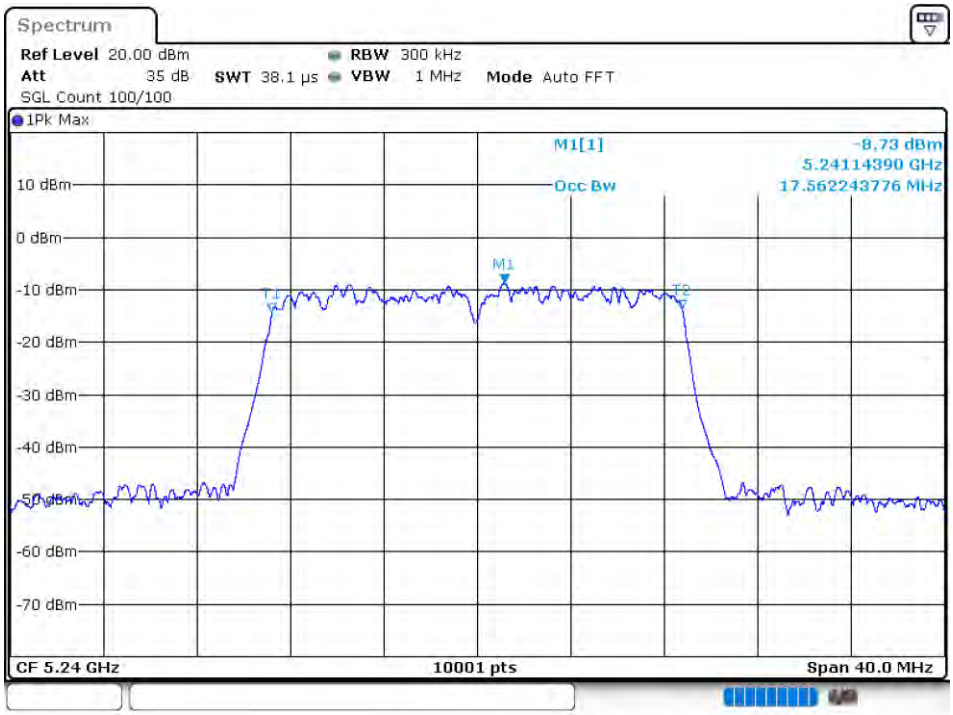
OBW NVNT 802.11n(HT20) 5200MHz Ant 2



-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant 2



OBW NVNT 802.11n(HT20) 5240MHz Ant 2



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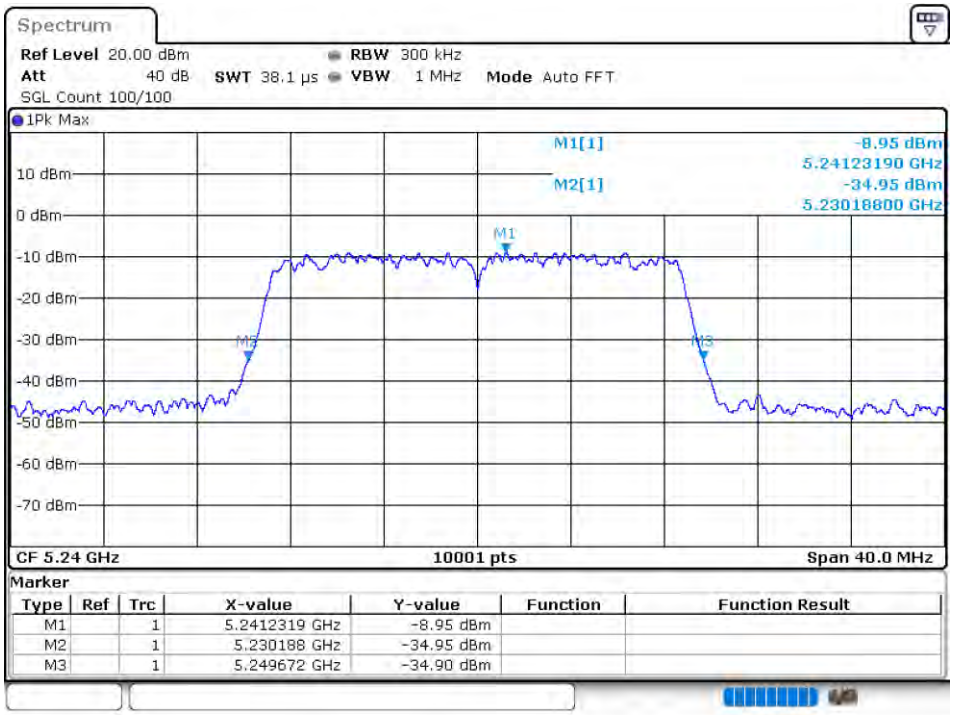
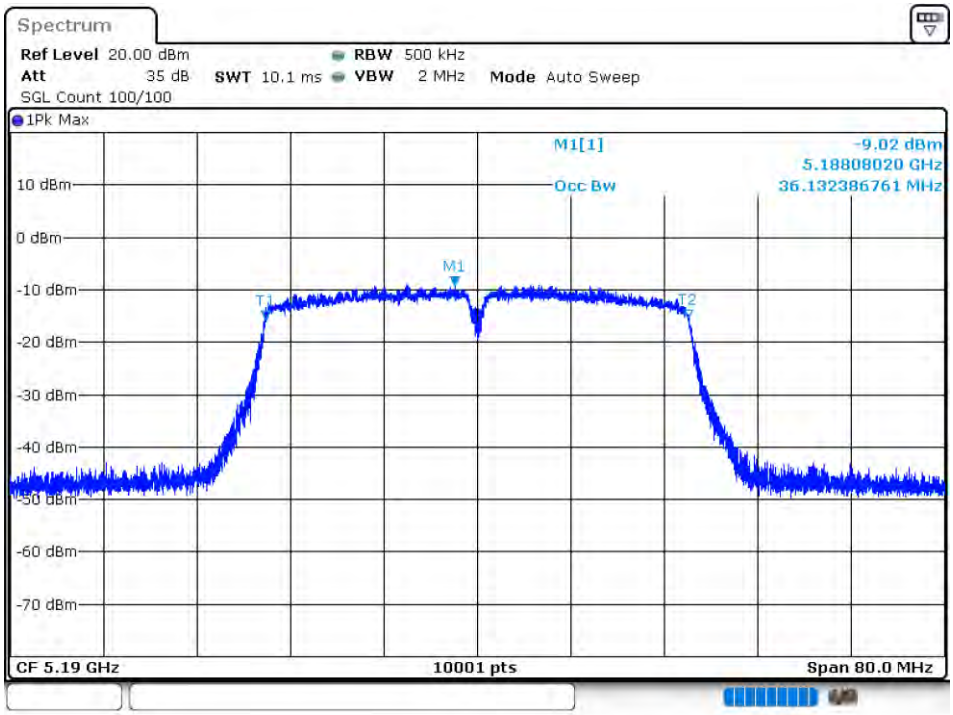
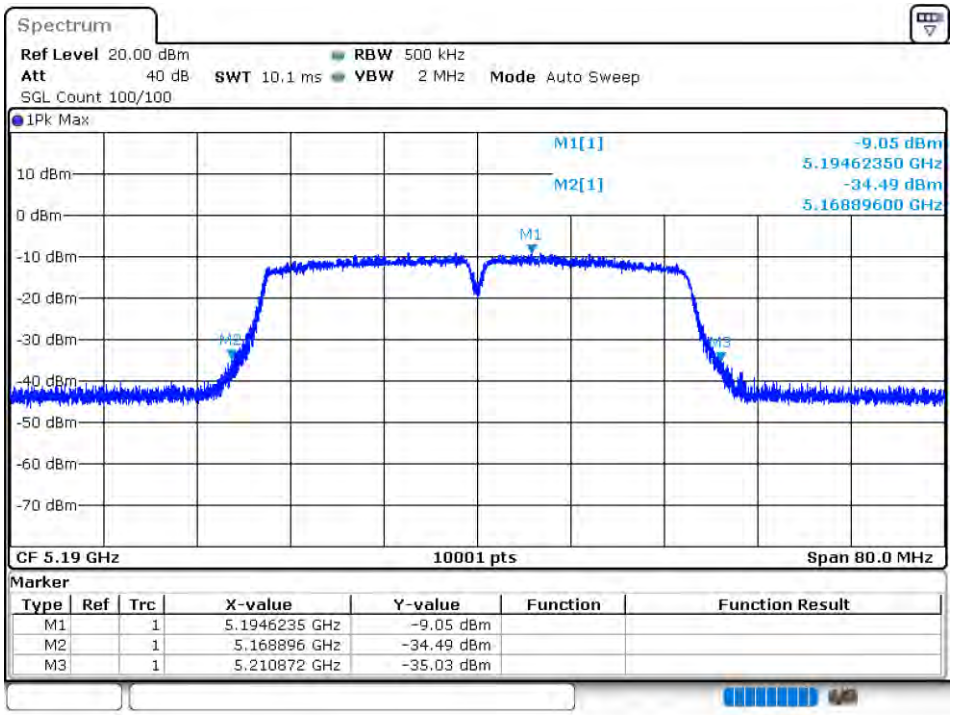


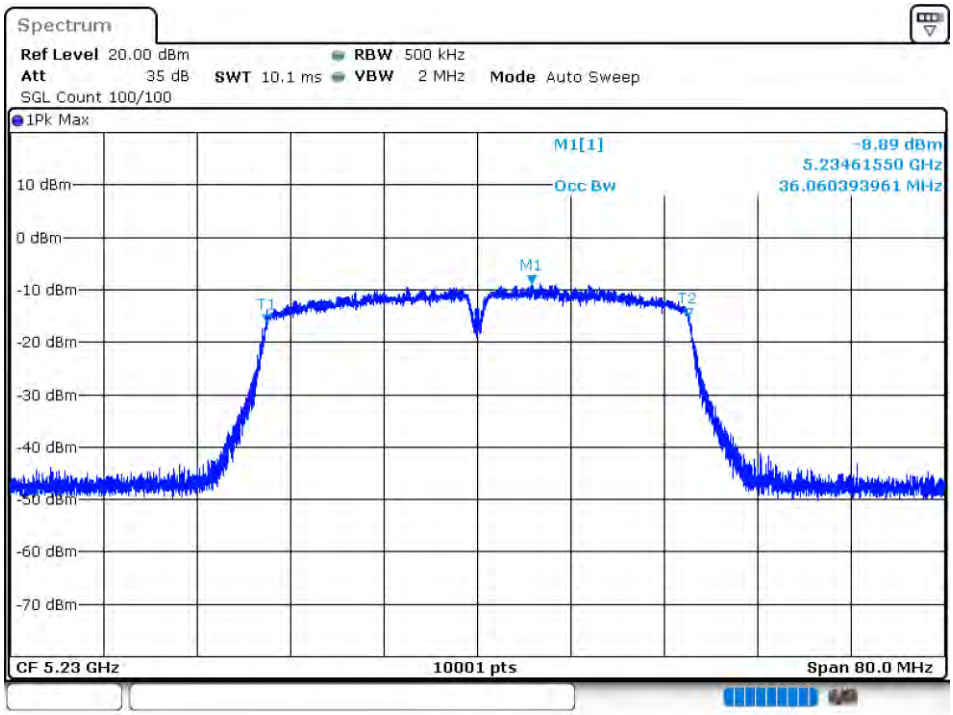
OBW NVNT 802.11n(HT40) 5190MHz Ant 1



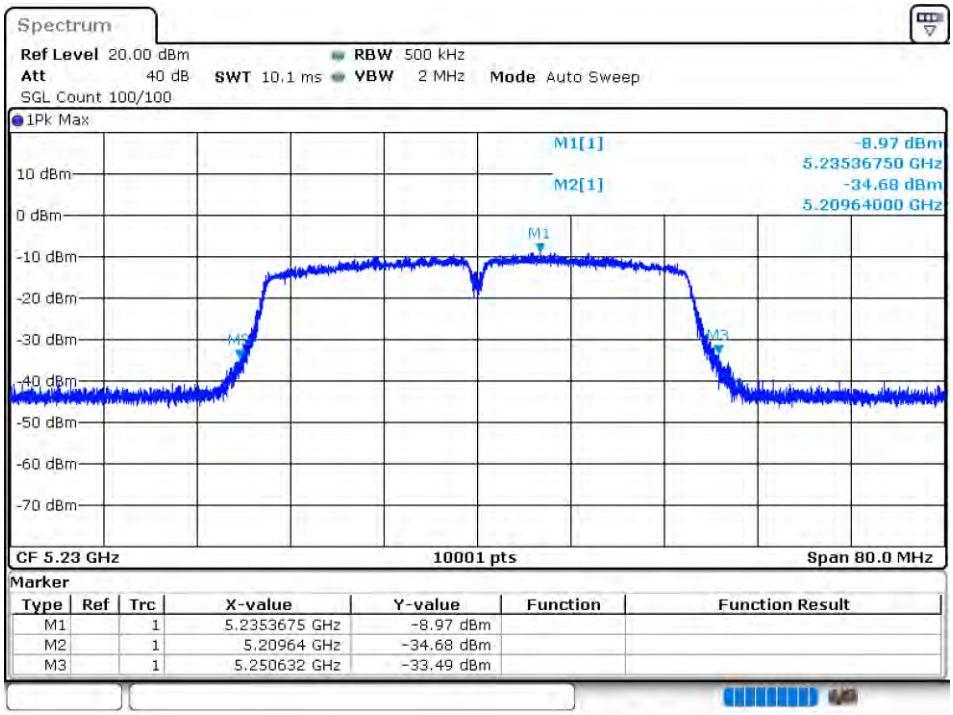
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant 1



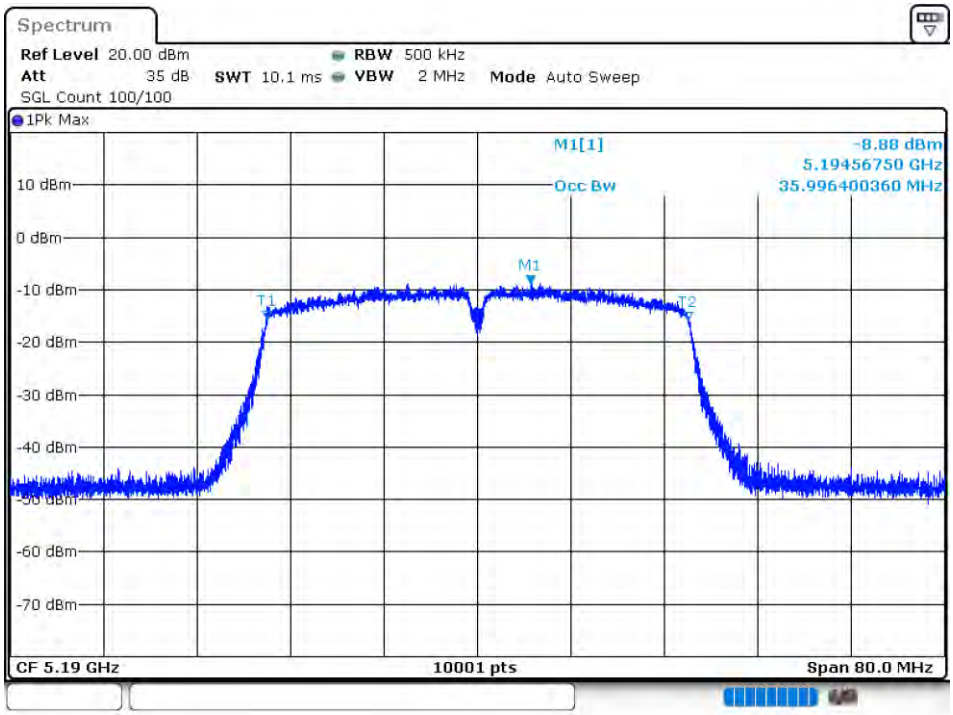
OBW NVNT 802.11n(HT40) 5230MHz Ant 1



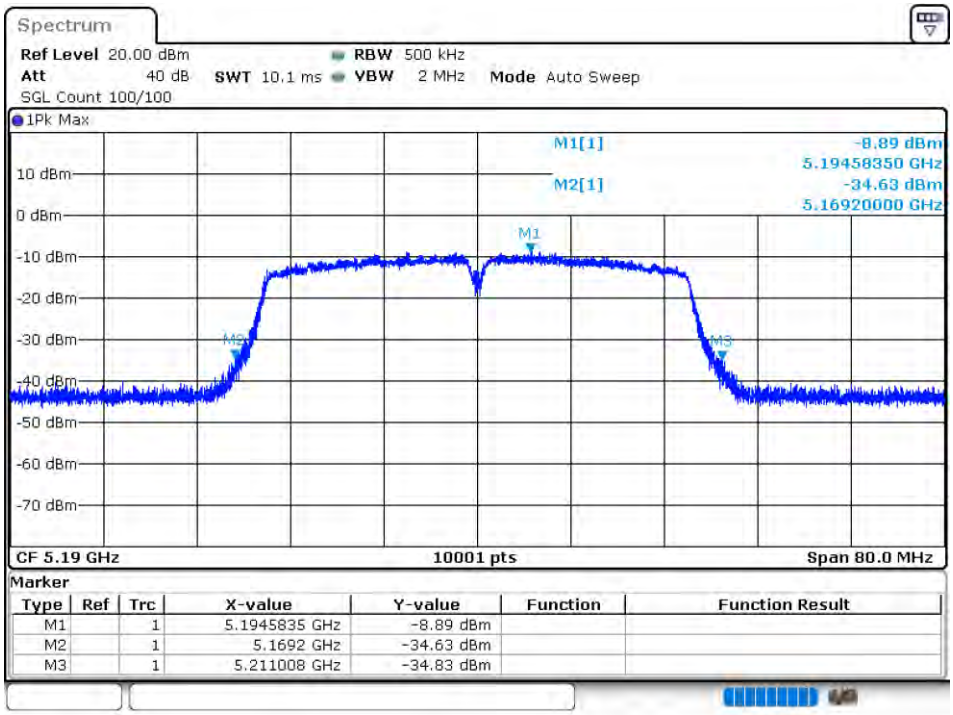
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant 1



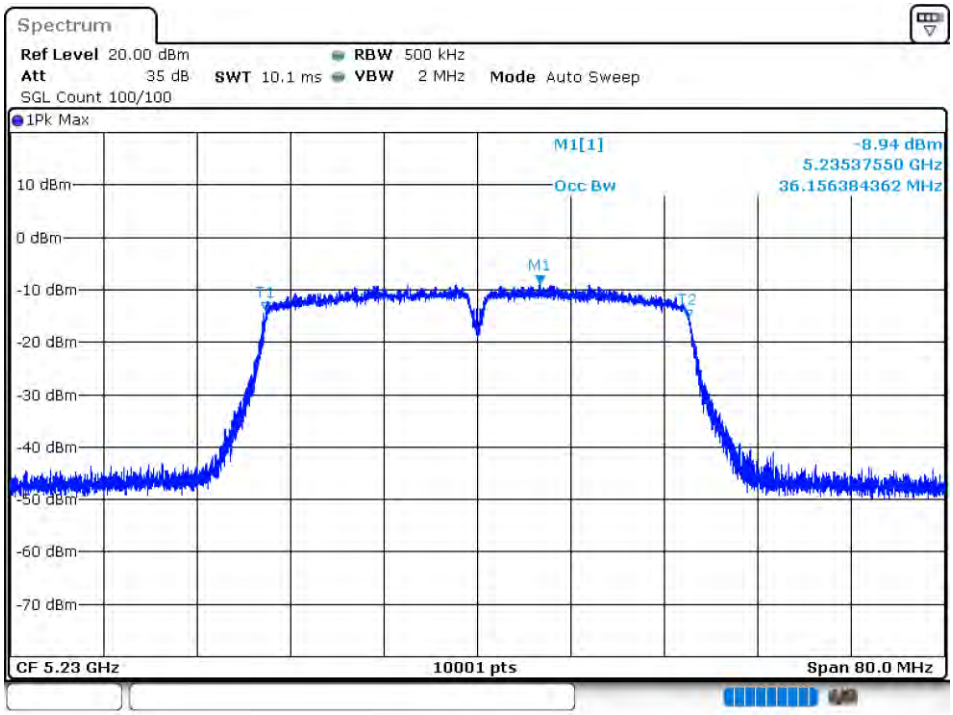
OBW NVNT 802.11n(HT40) 5190MHz Ant 2



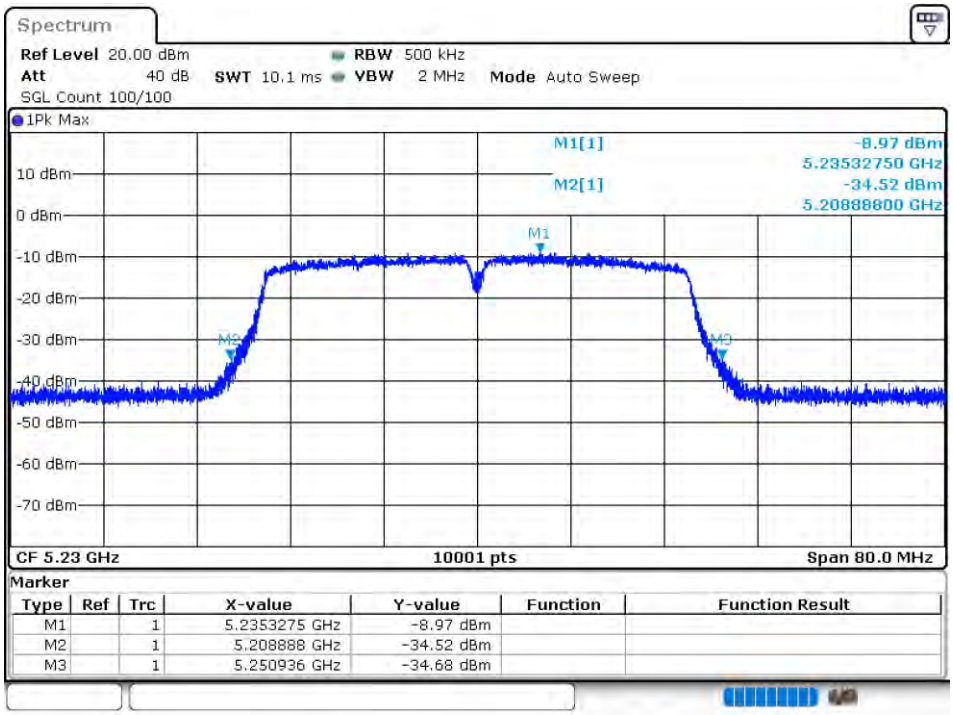
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant 2



OBW NVNT 802.11n(HT40) 5230MHz Ant 2



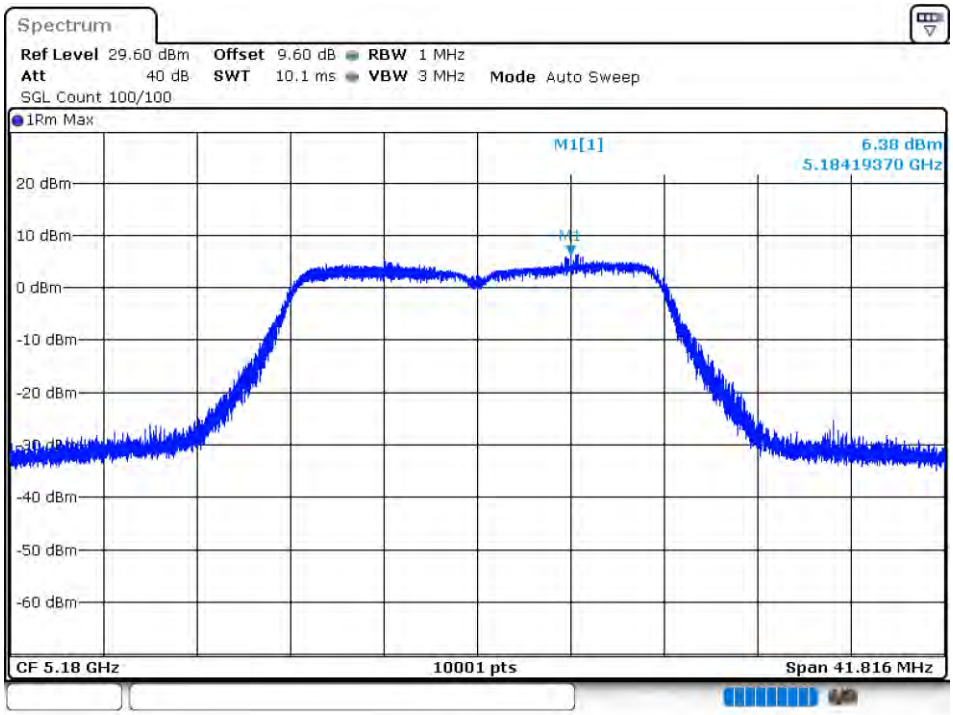
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant 2



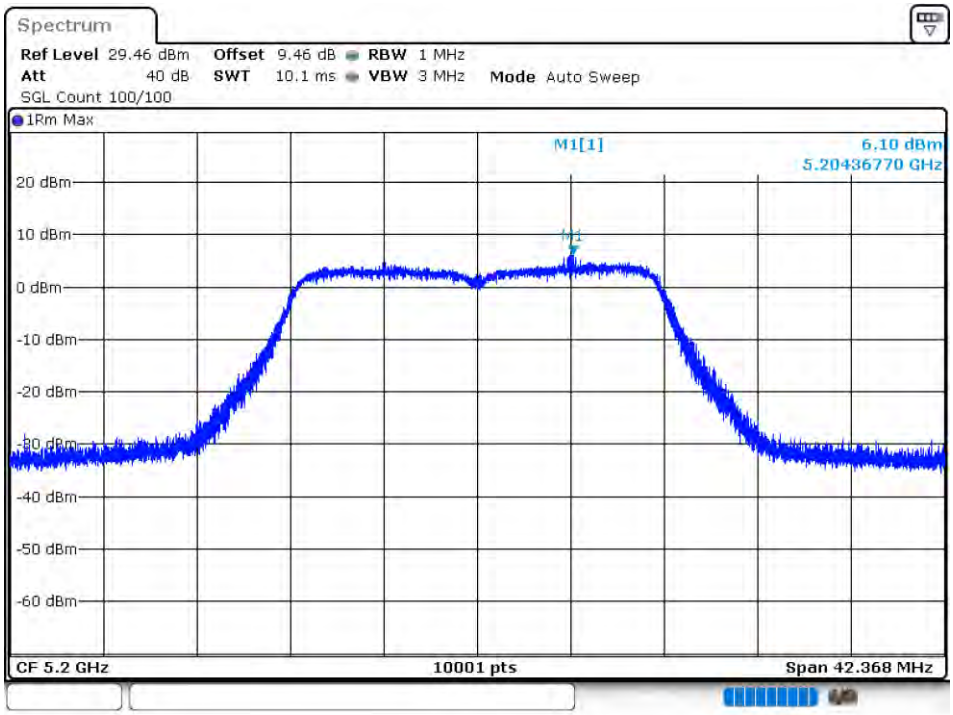
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant 1	6.07	10.67	Pass
NVNT	a	5200	Ant 1	5.751	10.67	Pass
NVNT	a	5240	Ant 1	6.315	10.67	Pass
NVNT	a	5180	Ant 2	6.231	11	Pass
NVNT	a	5200	Ant 2	5.507	11	Pass
NVNT	a	5240	Ant 2	5.538	11	Pass
NVNT	ac20	5180	Ant 1	5.47	10.67	Pass
NVNT	ac20	5180	Ant 2	4.37	11	Pass
NVNT	ac20	5200	Ant 1	4.613	10.67	Pass
NVNT	ac20	5200	Ant 2	4.866	11	Pass
NVNT	ac20	5240	Ant 1	4.217	10.67	Pass
NVNT	ac20	5240	Ant 2	4.768	11	Pass
NVNT	ac40	5190	Ant 1	2.738	10.67	Pass
NVNT	ac40	5190	Ant 2	3.501	11	Pass
NVNT	ac40	5230	Ant 1	2.575	10.67	Pass
NVNT	ac40	5230	Ant 2	3.388	11	Pass
NVNT	ac80	5210	Ant 1	0.478	10.67	Pass
NVNT	ac80	5210	Ant 2	-0.266	11	Pass
NVNT	n20	5180	Ant 1	4.764	10.67	Pass
NVNT	n20	5180	Ant 2	4.857	11	Pass
NVNT	n20	5200	Ant 1	4.608	10.67	Pass
NVNT	n20	5200	Ant 2	4.78	11	Pass
NVNT	n20	5240	Ant 1	5.269	10.67	Pass
NVNT	n20	5240	Ant 2	4.77	11	Pass
NVNT	n40	5190	Ant 1	2.153	10.67	Pass
NVNT	n40	5190	Ant 2	2.501	11	Pass
NVNT	n40	5230	Ant 1	2.078	10.67	Pass
NVNT	n40	5230	Ant 2	3.042	11	Pass

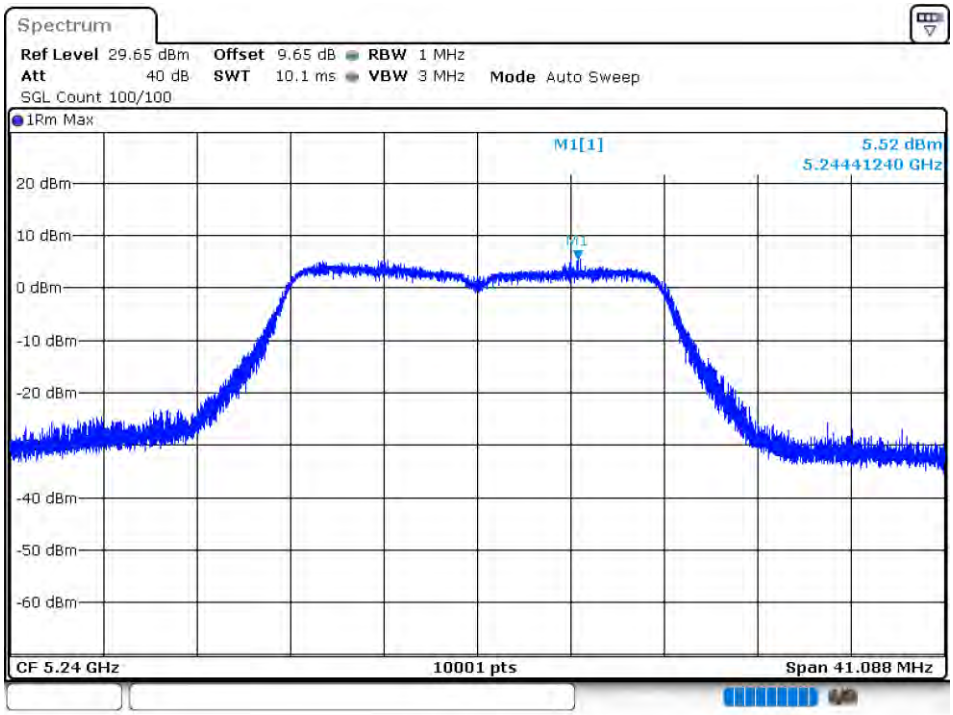
PSD NVNT 802.11a 5180MHz Ant 1 PSD NVNT 802.11a 5180MHz Ant 1



PSD NVNT 802.11a 5200MHz Ant 1



PSD NVNT 802.11a 5240MHz Ant 1



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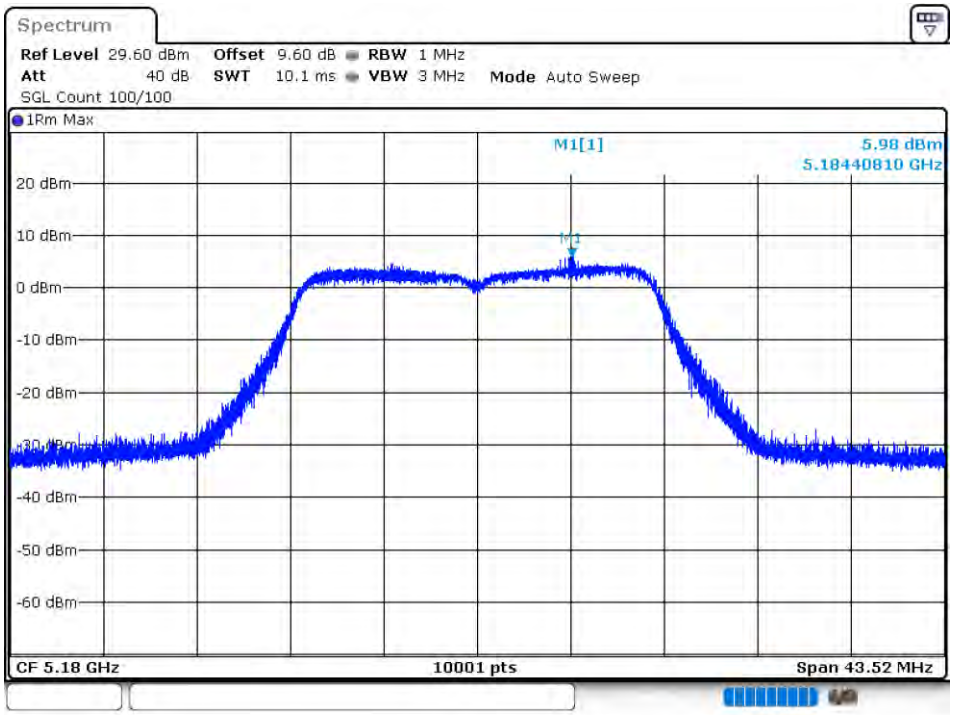

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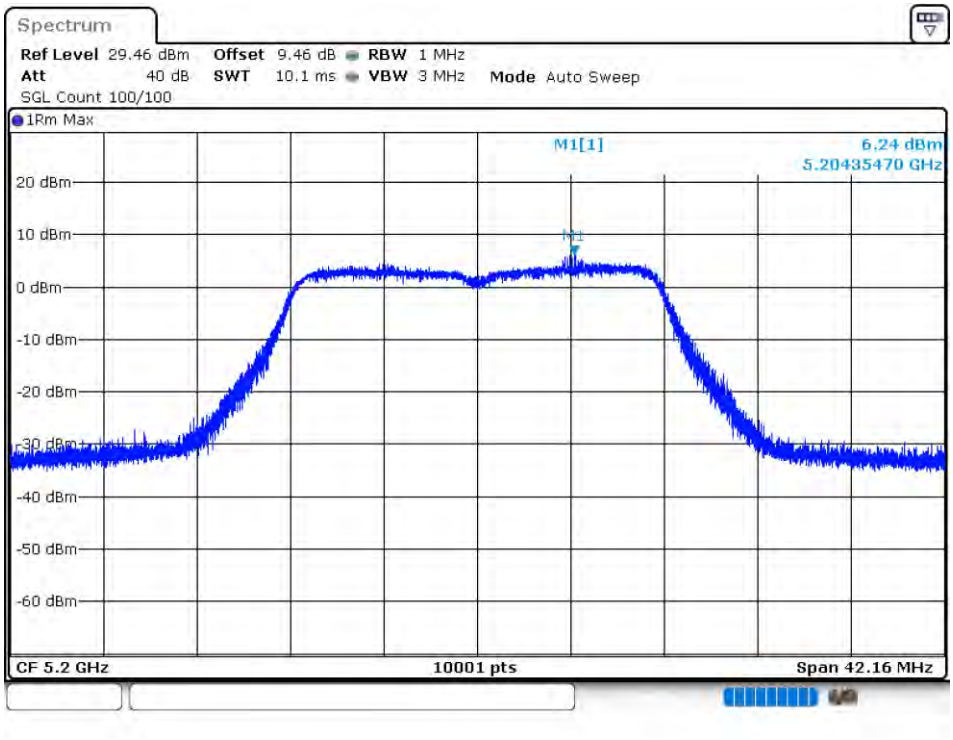

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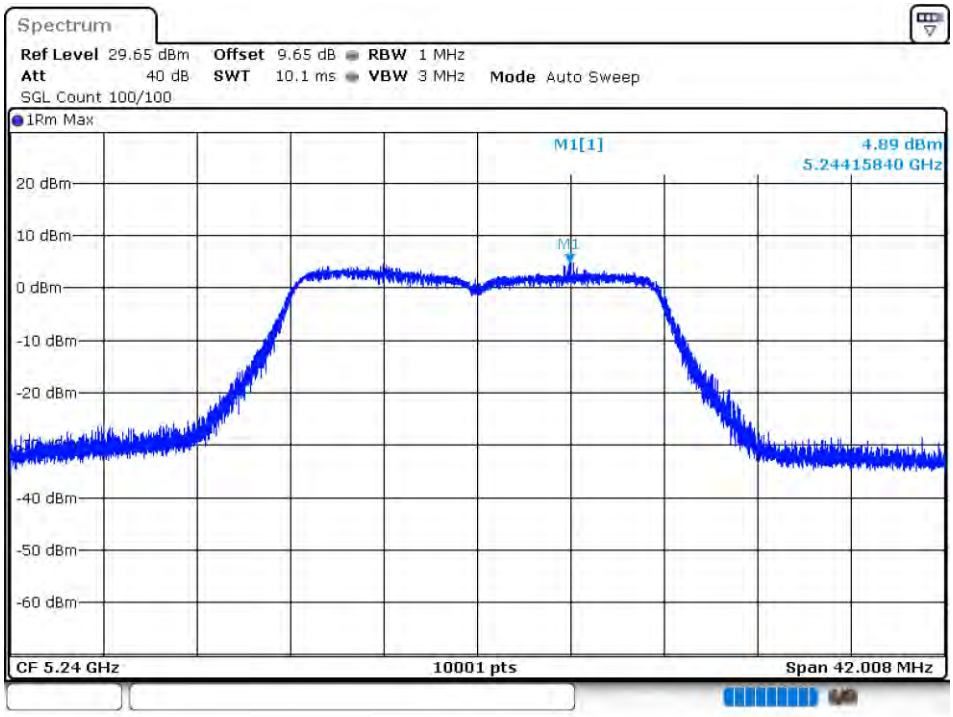
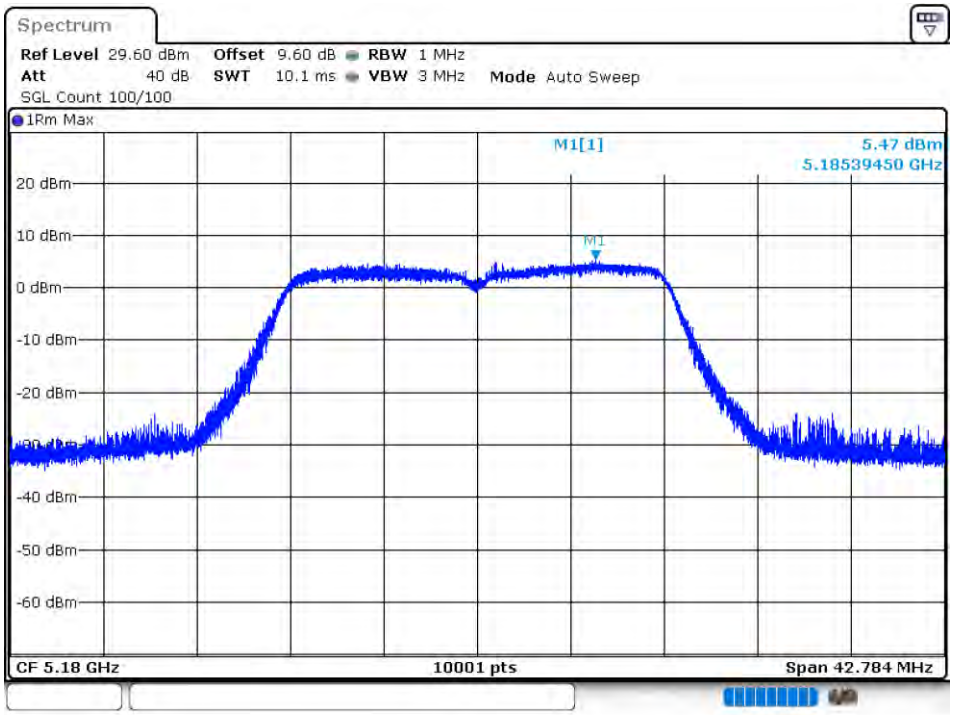


PSD NVNT 802.11ac20 5180MHz Ant 1



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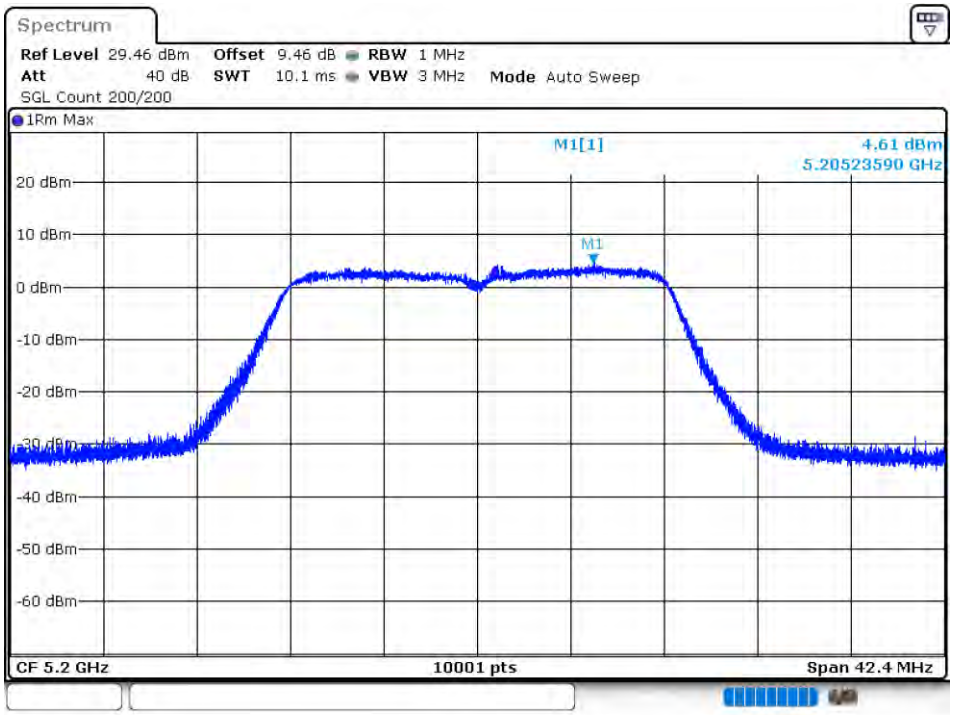

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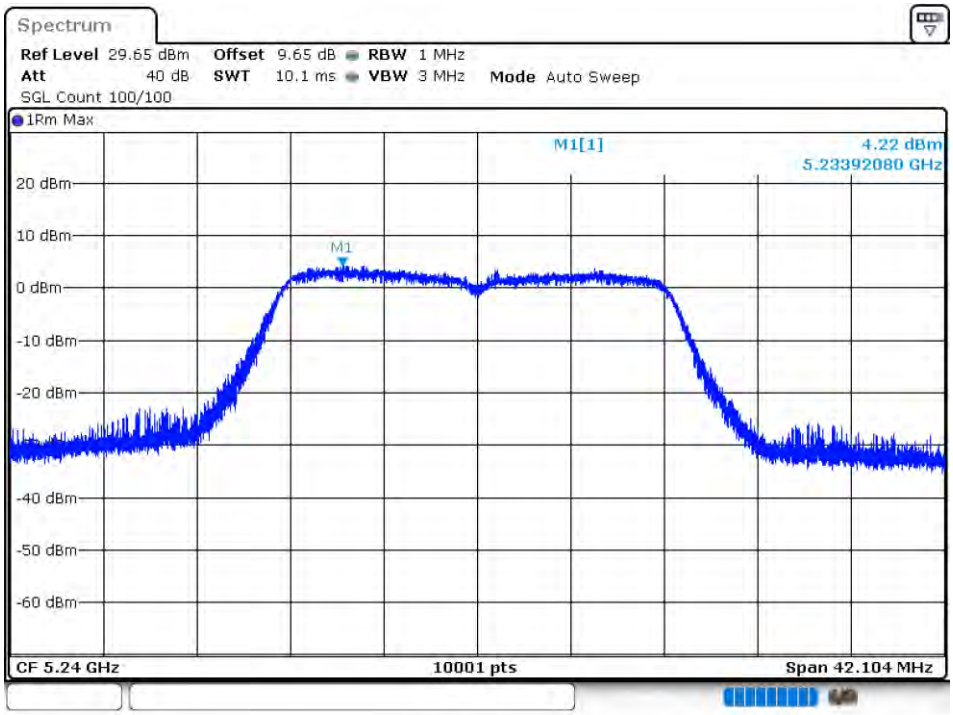

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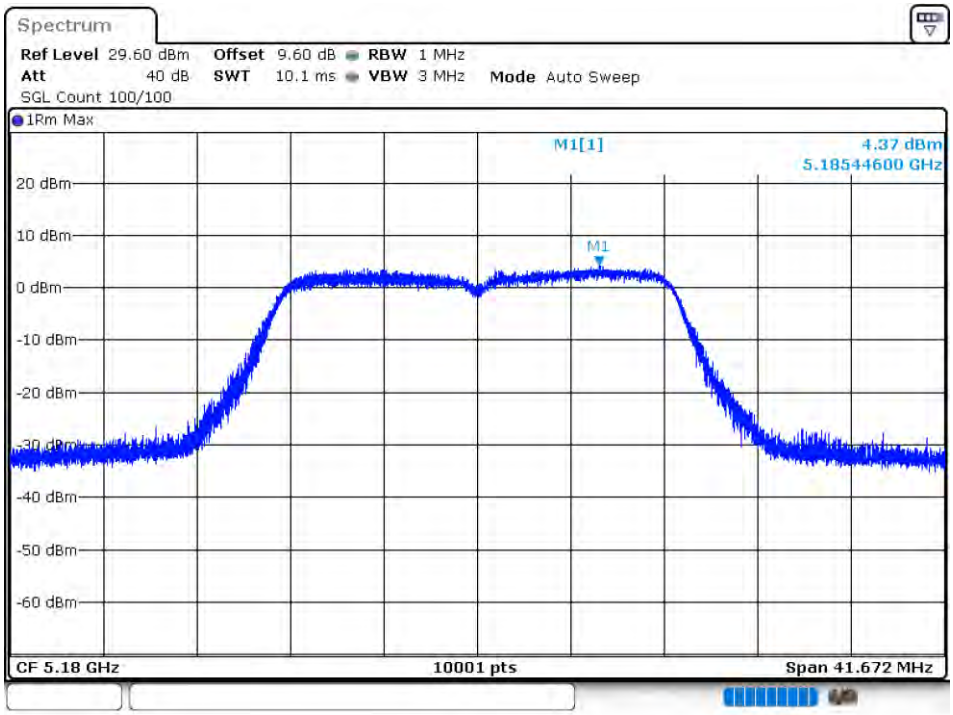
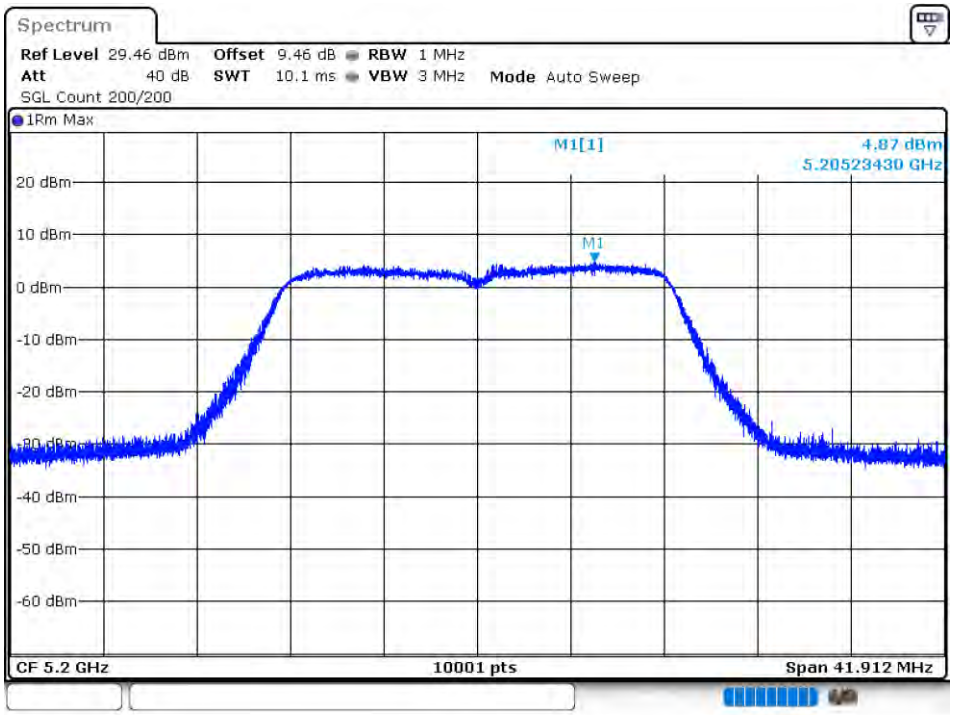


PSD NVNT 802.11ac20 5200MHz Ant 2



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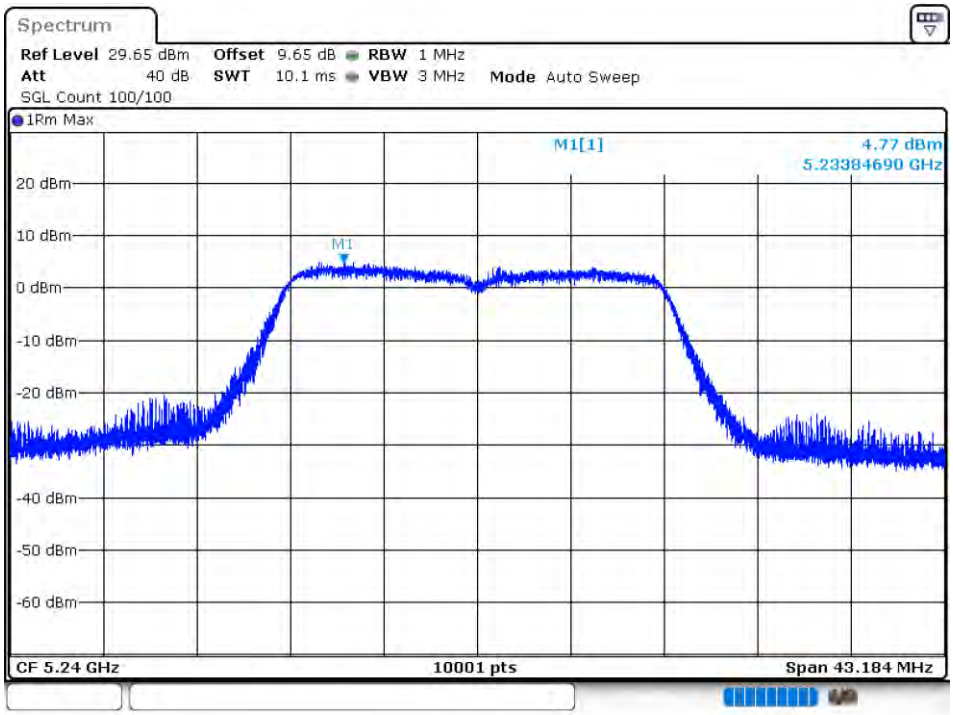
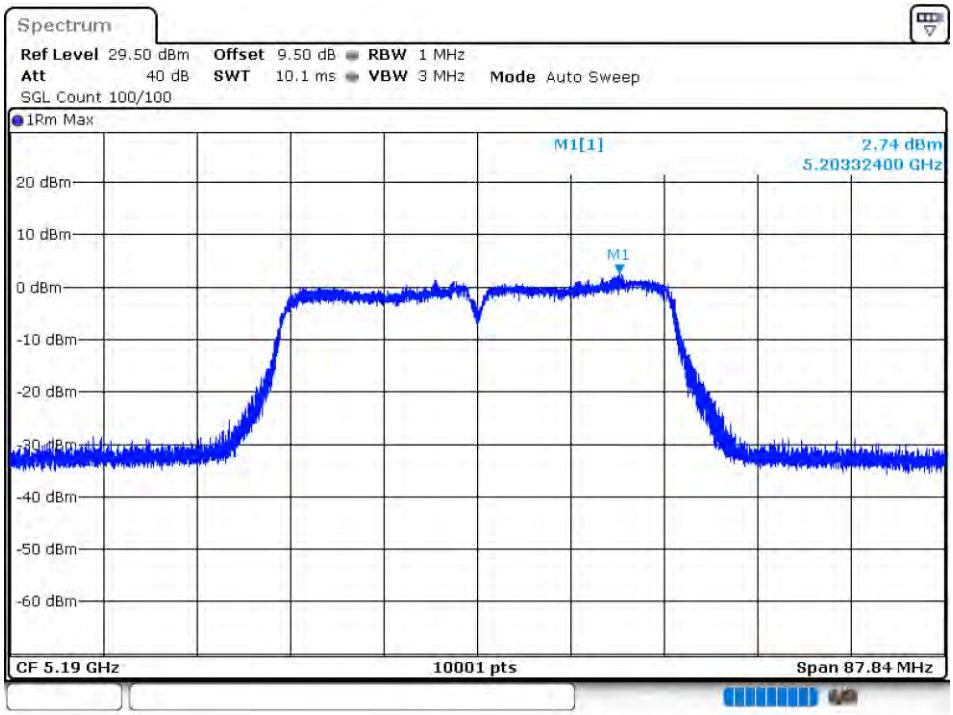
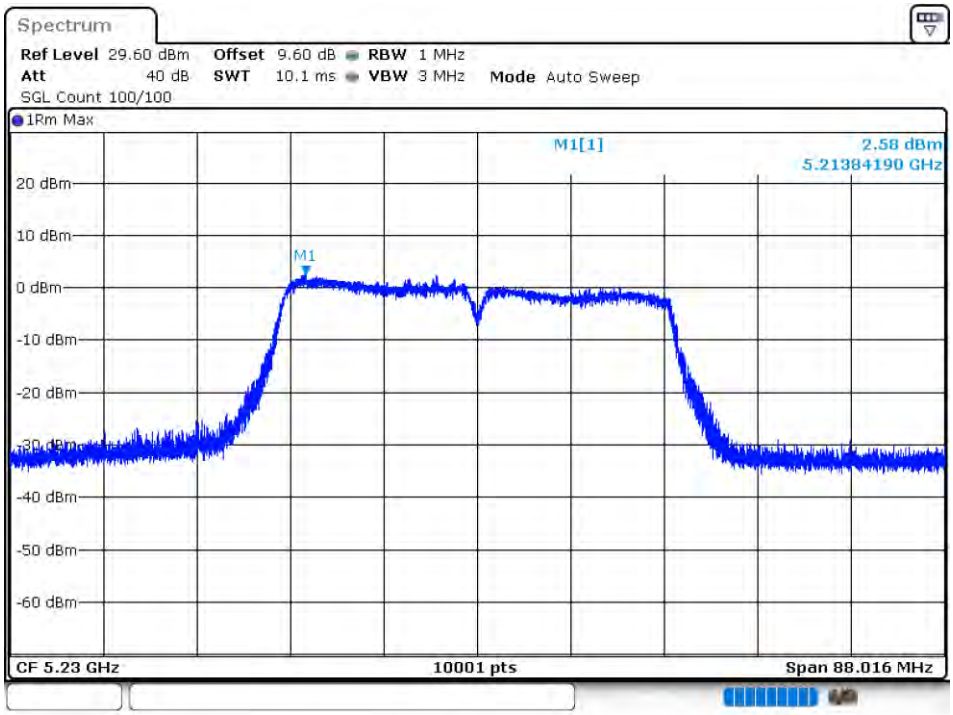


PSD NVNT 802.11ac40 5190MHz Ant 1



PSD NVNT 802.11ac40 5230MHz Ant 1



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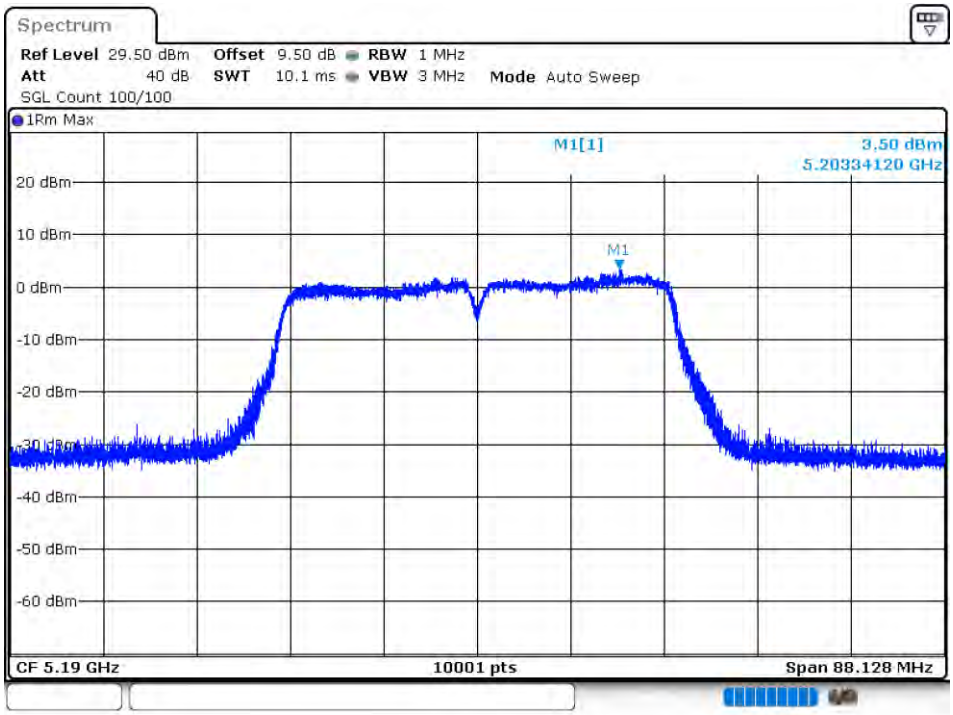
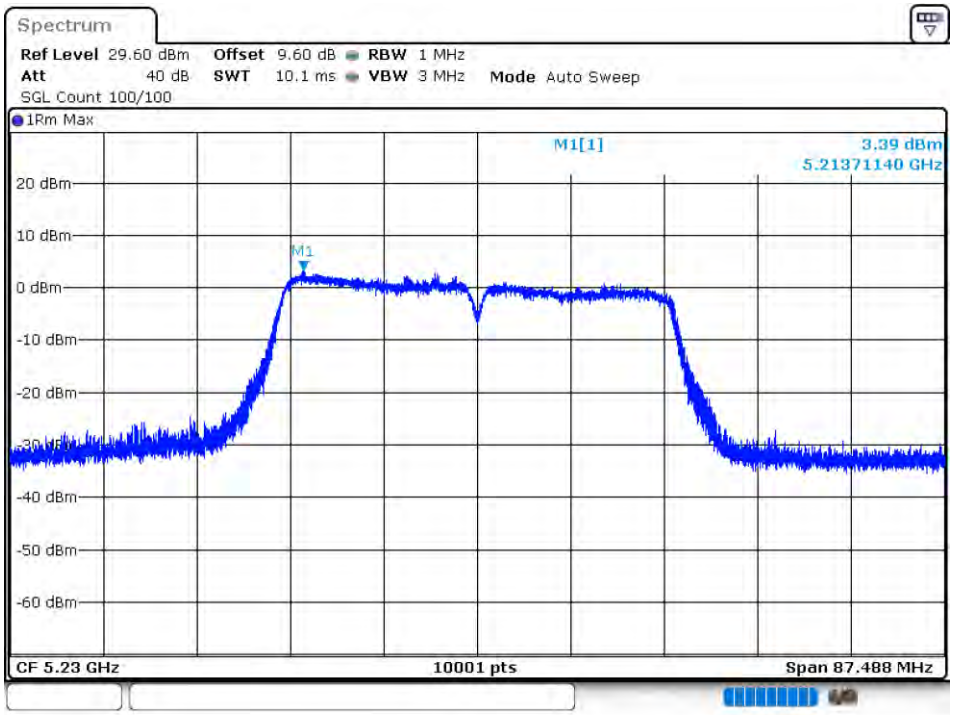
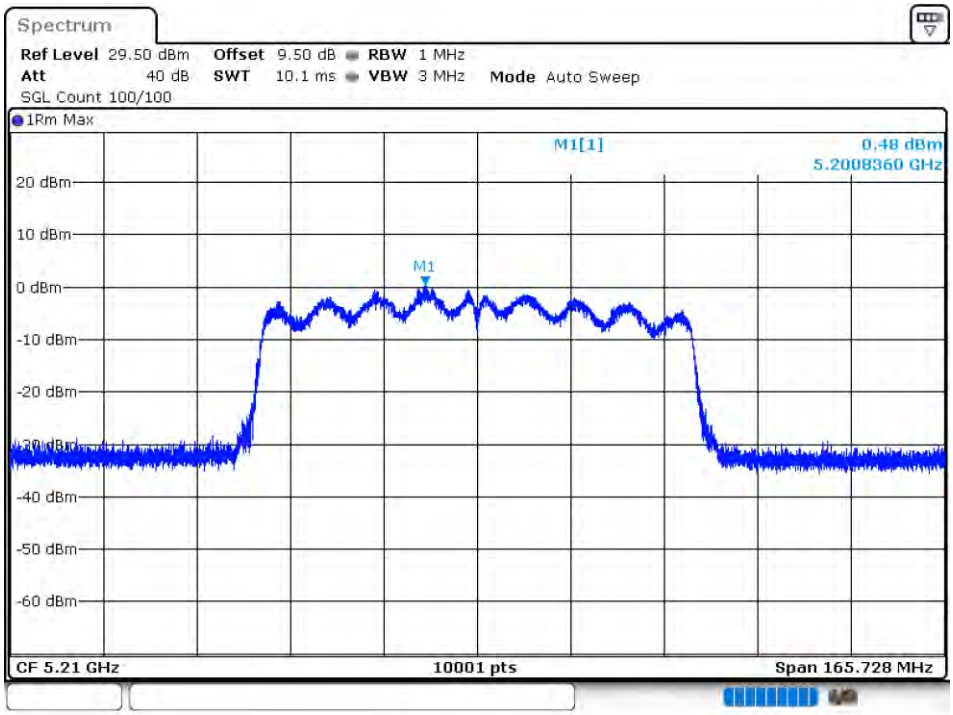


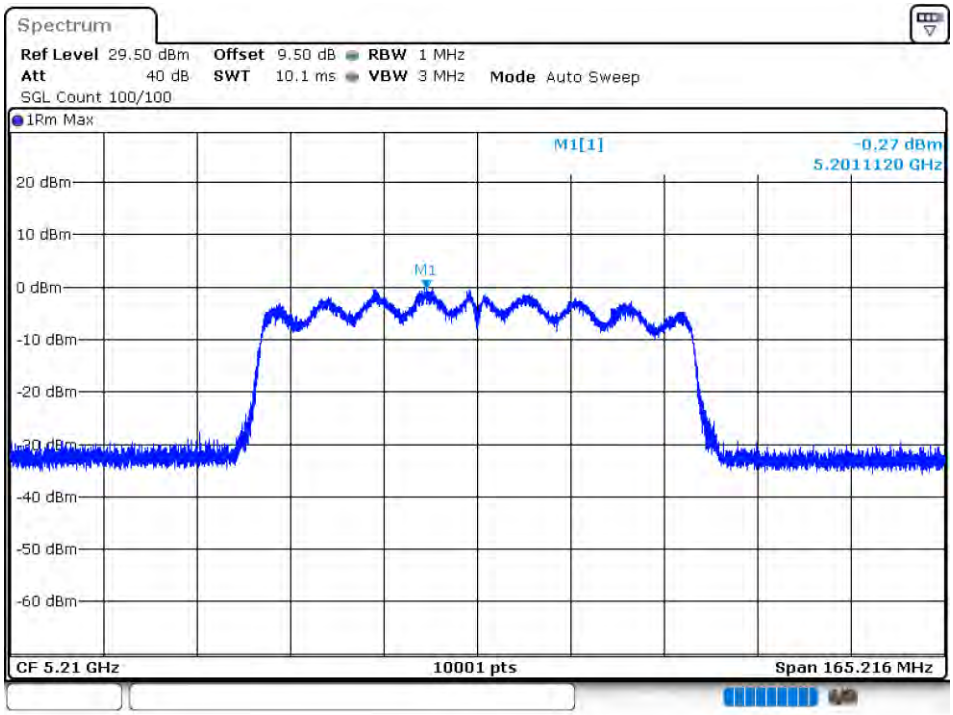
PSD NVNT 802.11ac40 5230MHz Ant 2



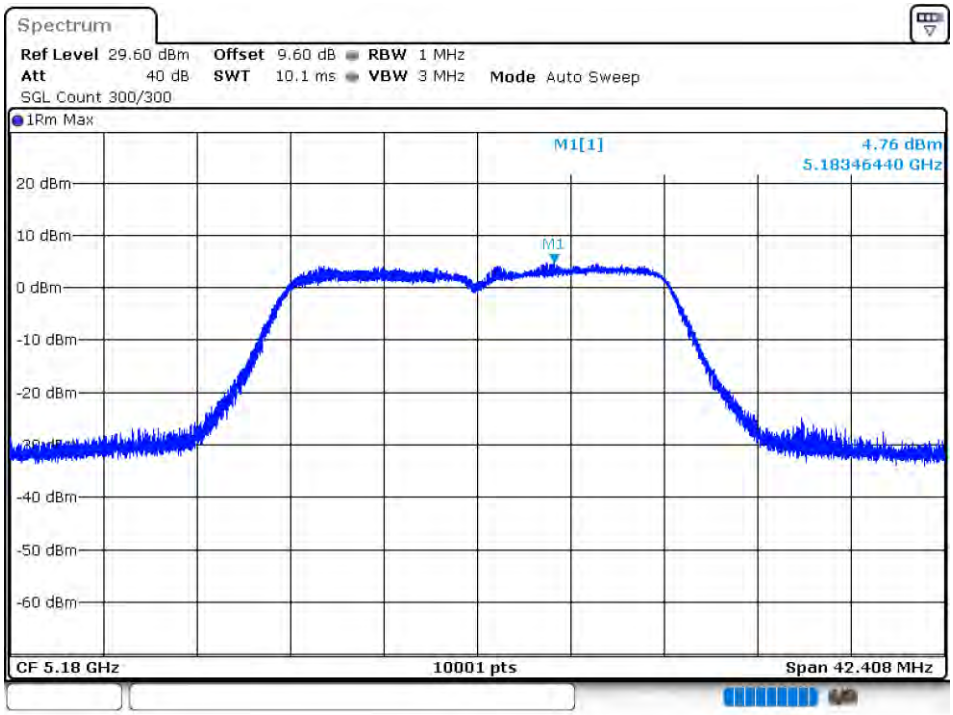
PSD NVNT 802.11ac80 5210MHz Ant 1



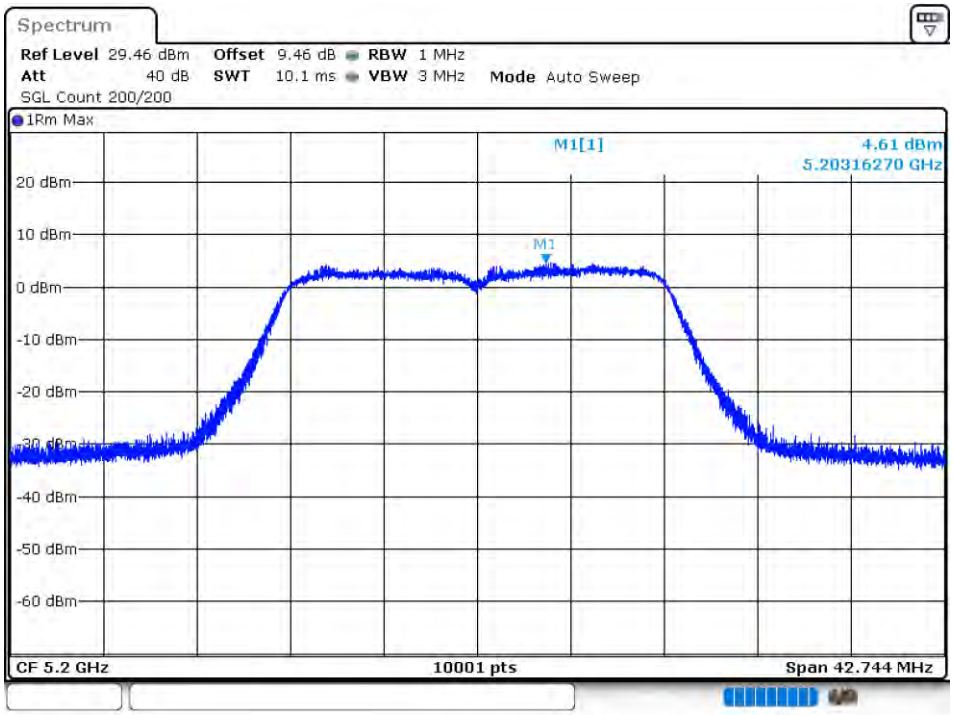
PSD NVNT 802.11ac80 5210MHz Ant 2



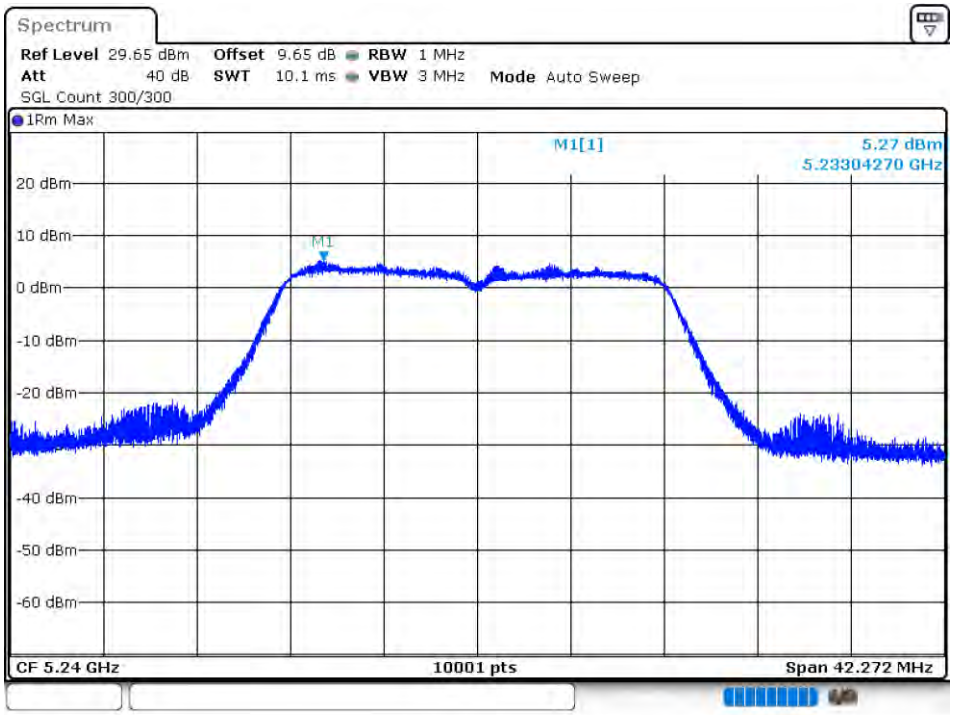
PSD NVNT 802.11n(HT20) 5180MHz Ant 1



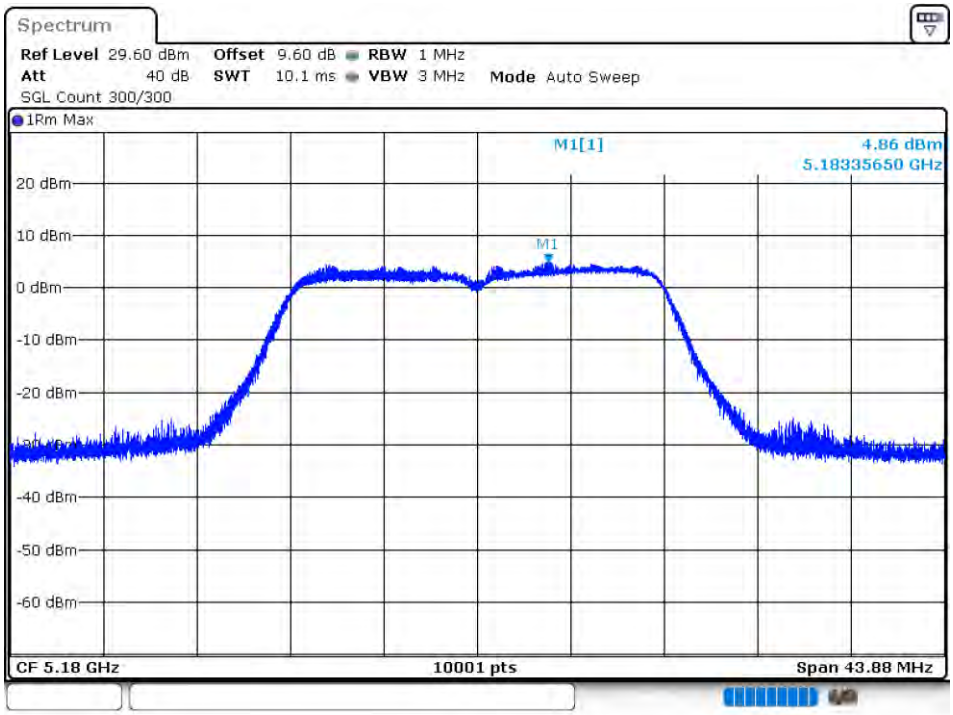
PSD NVNT 802.11n(HT20) 5200MHz Ant 1



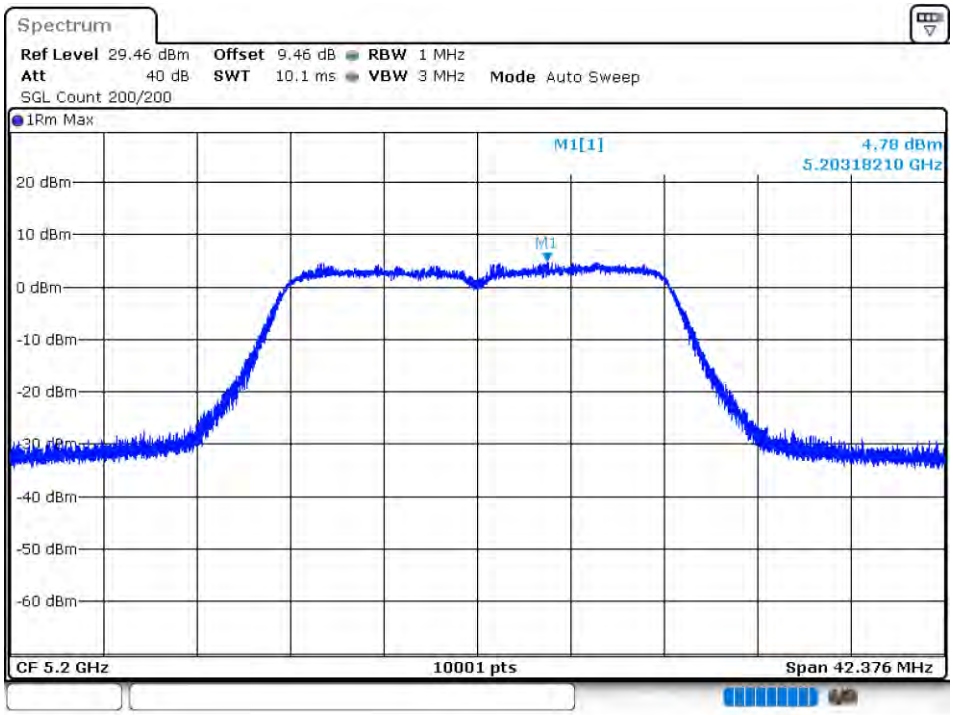
PSD NVNT 802.11n(HT20) 5240MHz Ant 1



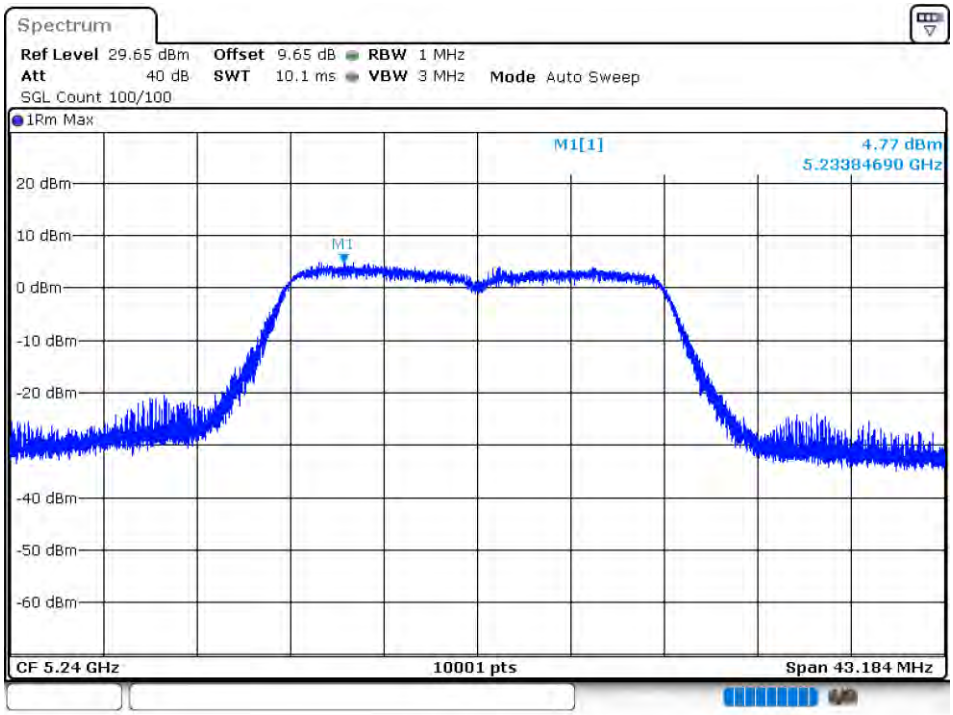
PSD NVNT 802.11n(HT20) 5180MHz Ant 2



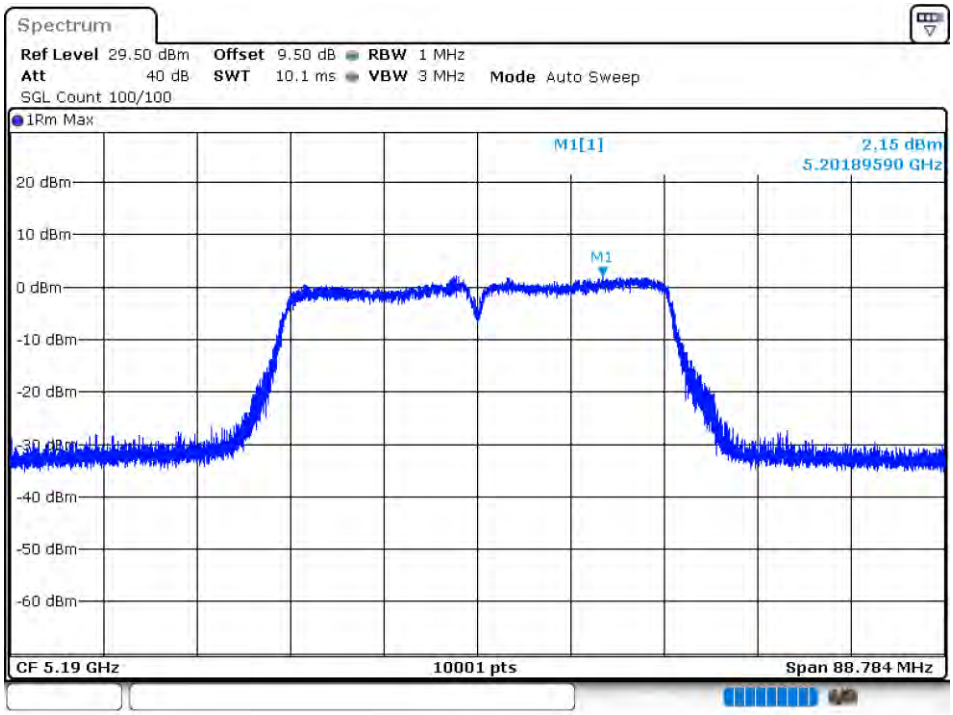
PSD NVNT 802.11n(HT20) 5200MHz Ant 2



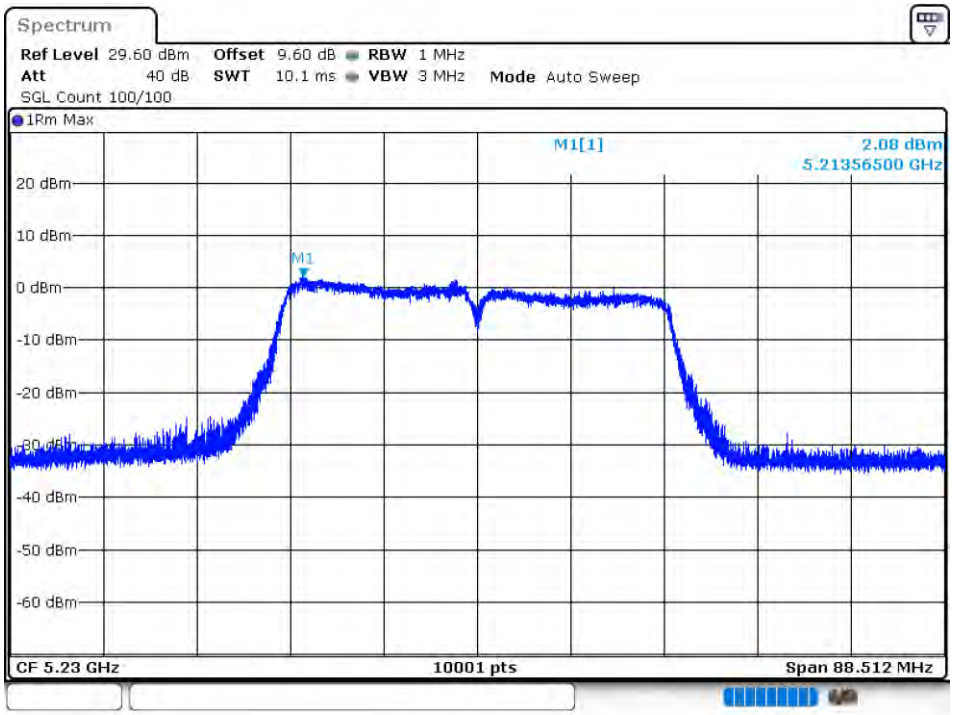
PSD NVNT 802.11n(HT20) 5240MHz Ant 2



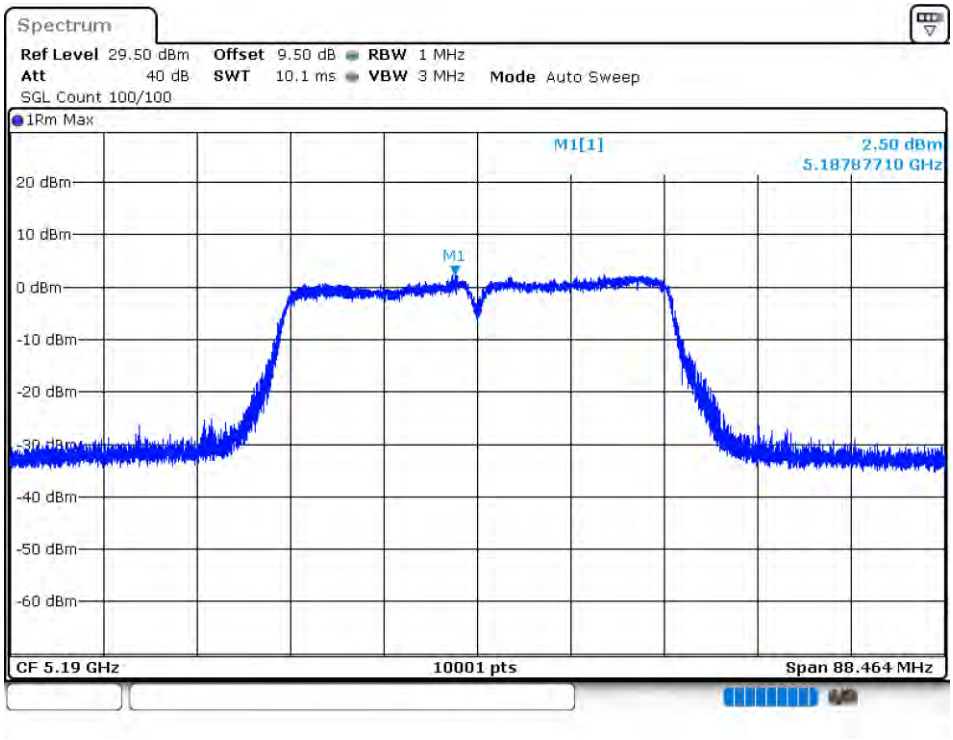
PSD NVNT 802.11n(HT40) 5190MHz Ant 1



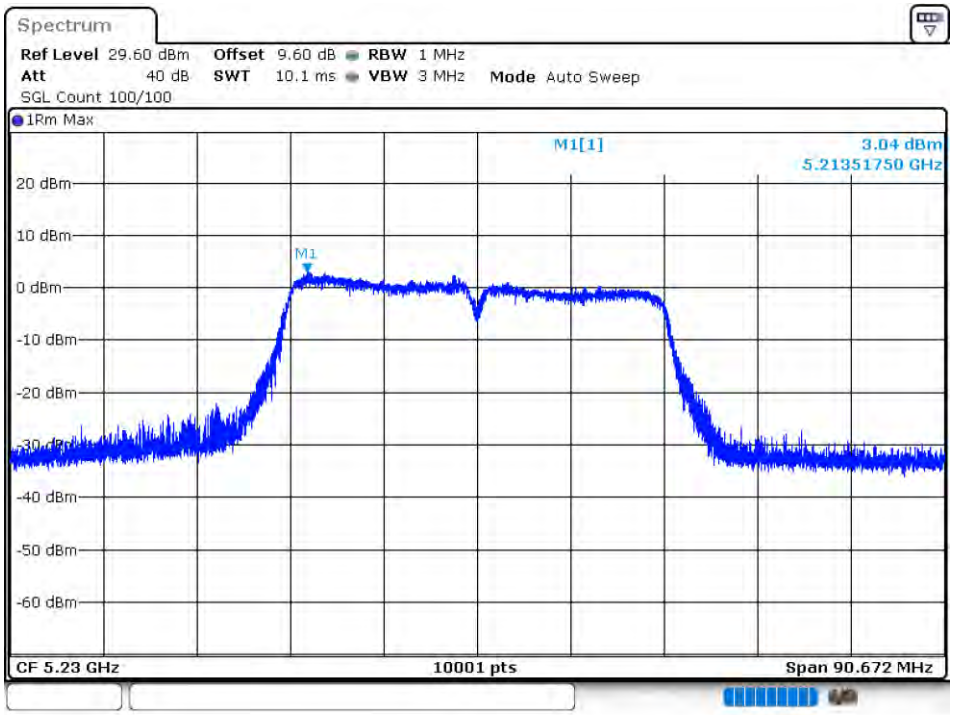
PSD NVNT 802.11n(HT40) 5230MHz Ant 1



PSD NVNT 802.11n(HT40) 5190MHz Ant 2



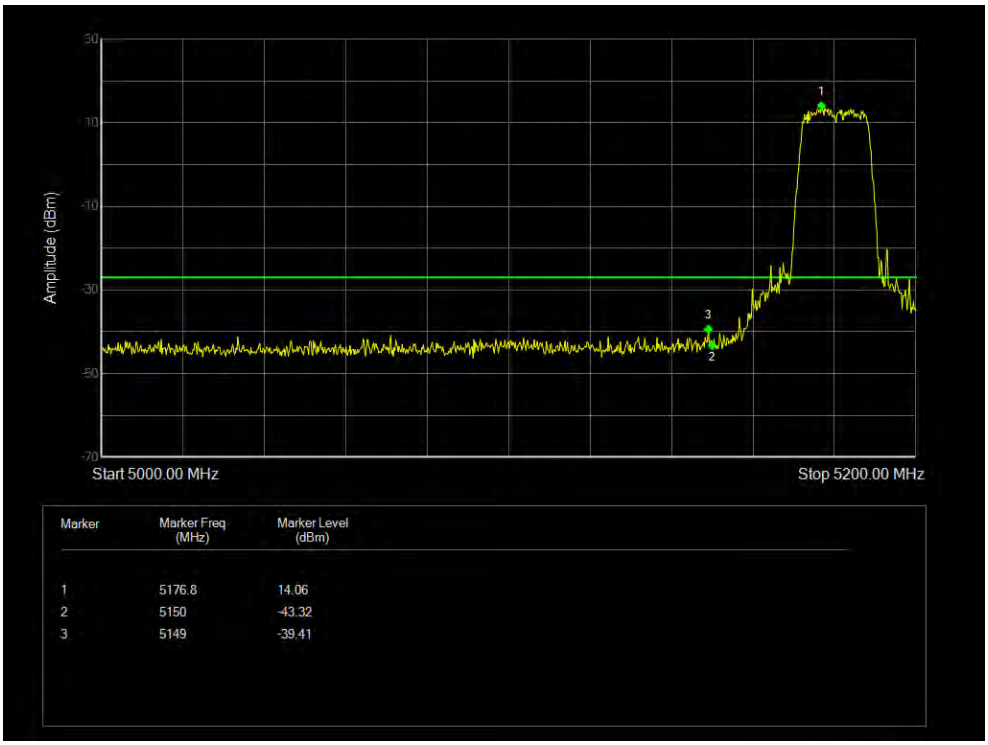
PSD NVNT 802.11n(HT40) 5230MHz Ant 2



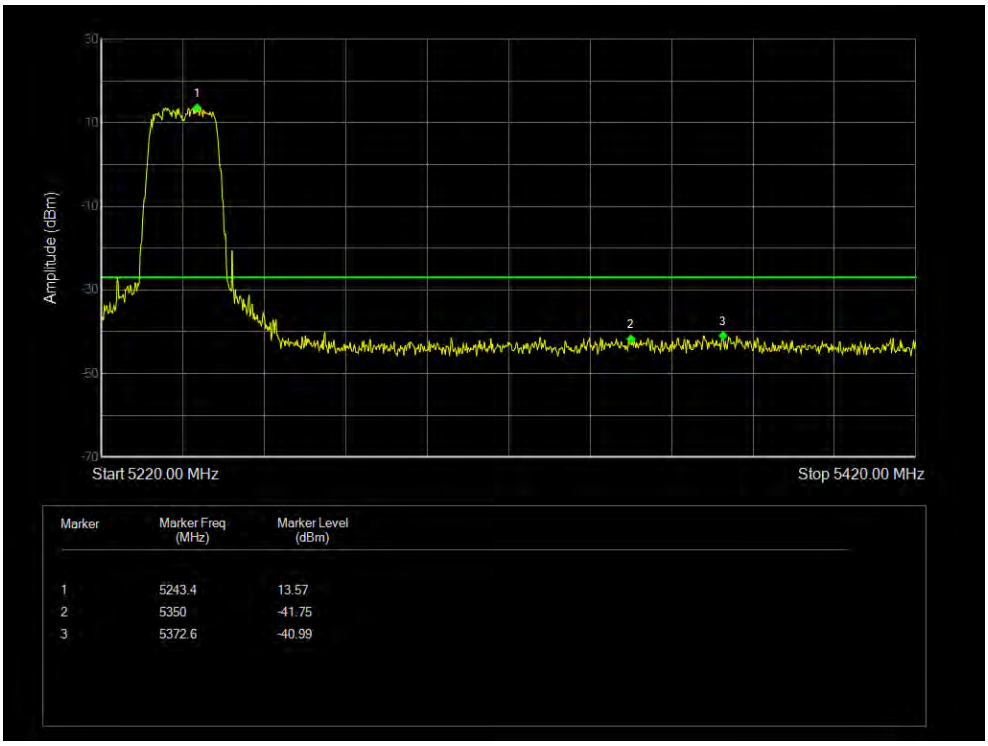
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-39.41	Pass
NVNT	802.11a	5240	Ant 1	-40.99	Pass
NVNT	802.11a	5180	Ant 2	-40.75	Pass
NVNT	802.11a	5240	Ant 2	-41.1	Pass
NVNT	802.11ac20	5180	Ant 1	-36.54	Pass
NVNT	802.11ac20	5240	Ant 1	-40.35	Pass
NVNT	802.11ac20	5180	Ant 2	-42.2	Pass
NVNT	802.11ac20	5240	Ant 2	-41.66	Pass
NVNT	802.11ac40	5190	Ant 1	-31.28	Pass
NVNT	802.11ac40	5230	Ant 1	-40.75	Pass
NVNT	802.11ac40	5190	Ant 2	-36.64	Pass
NVNT	802.11ac40	5230	Ant 2	-42.28	Pass
NVNT	802.11ac80	5210	Ant 1	-40.22	Pass
NVNT	802.11ac80	5210	Ant 1	-34.05	Pass
NVNT	802.11ac80	5210	Ant 2	-41.24	Pass
NVNT	802.11ac80	5210	Ant 2	-37.25	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-39.27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-39.57	Pass
NVNT	802.11n(HT20)	5180	Ant 2	-41.22	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-40.79	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-33.25	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-40.64	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-38.82	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-41.45	Pass

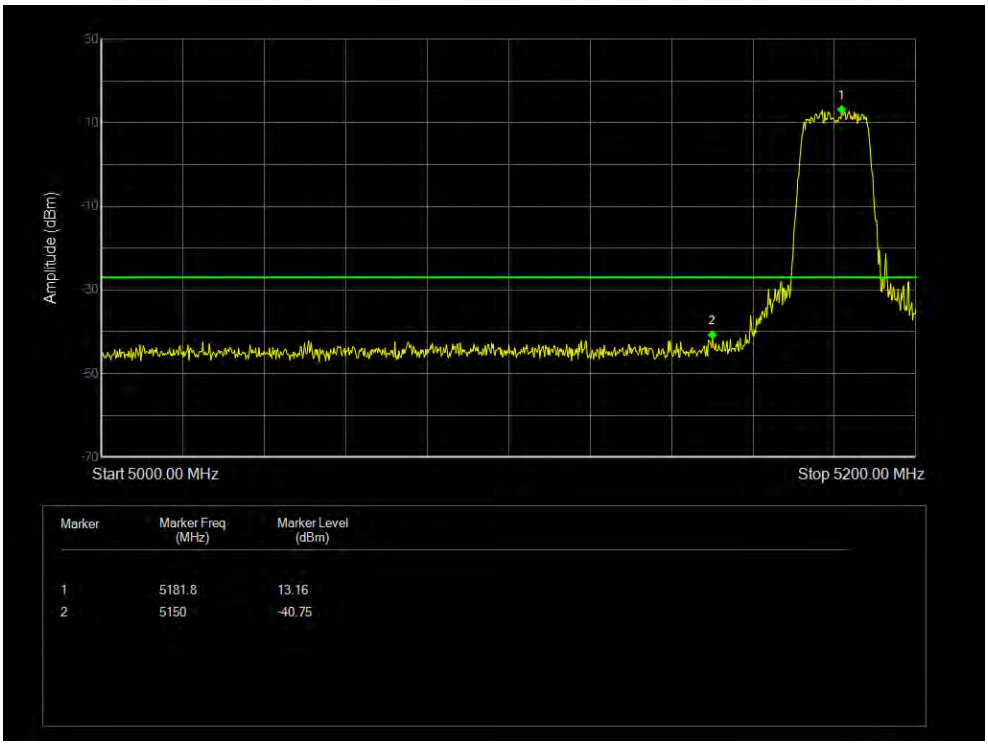
Band Edge NVNT 802.11a 5180MHz Low Ant 1



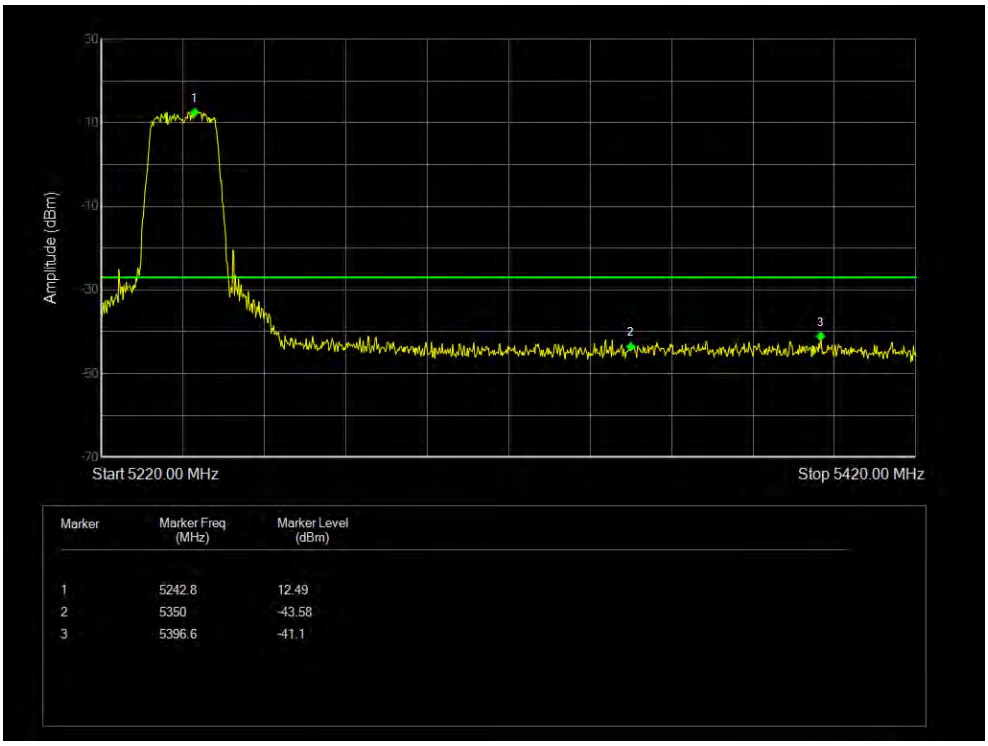
Band Edge NVNT 802.11a 5240MHz High Ant 1



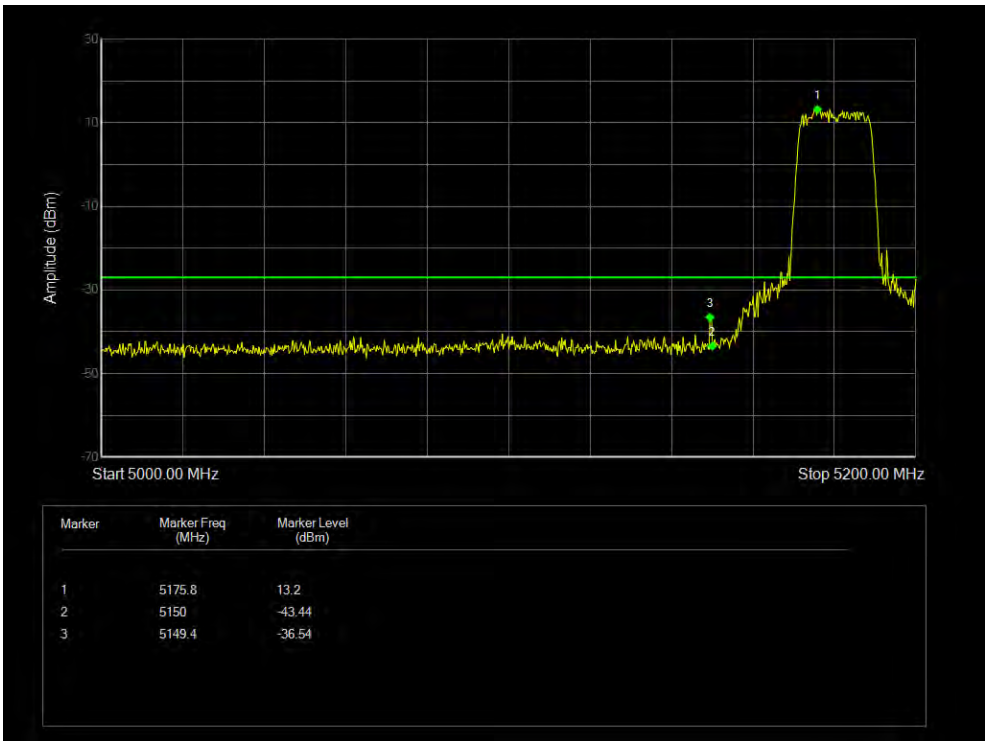
Band Edge NVNT 802.11a 5180MHz Low Ant 2



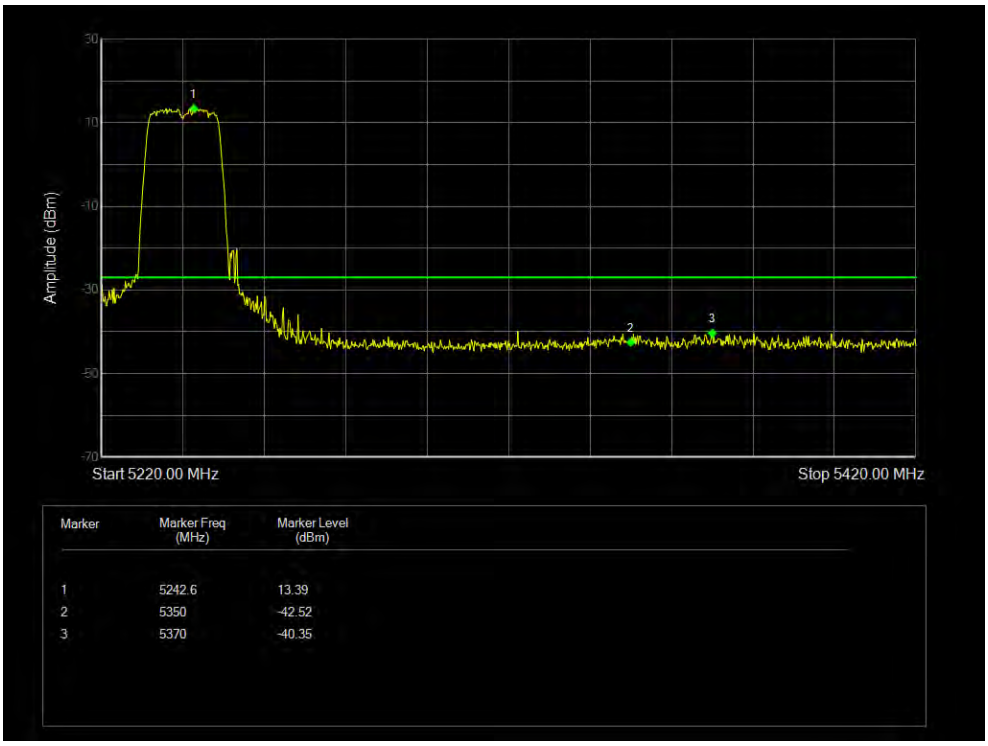
Band Edge NVNT 802.11a 5240MHz High Ant 2



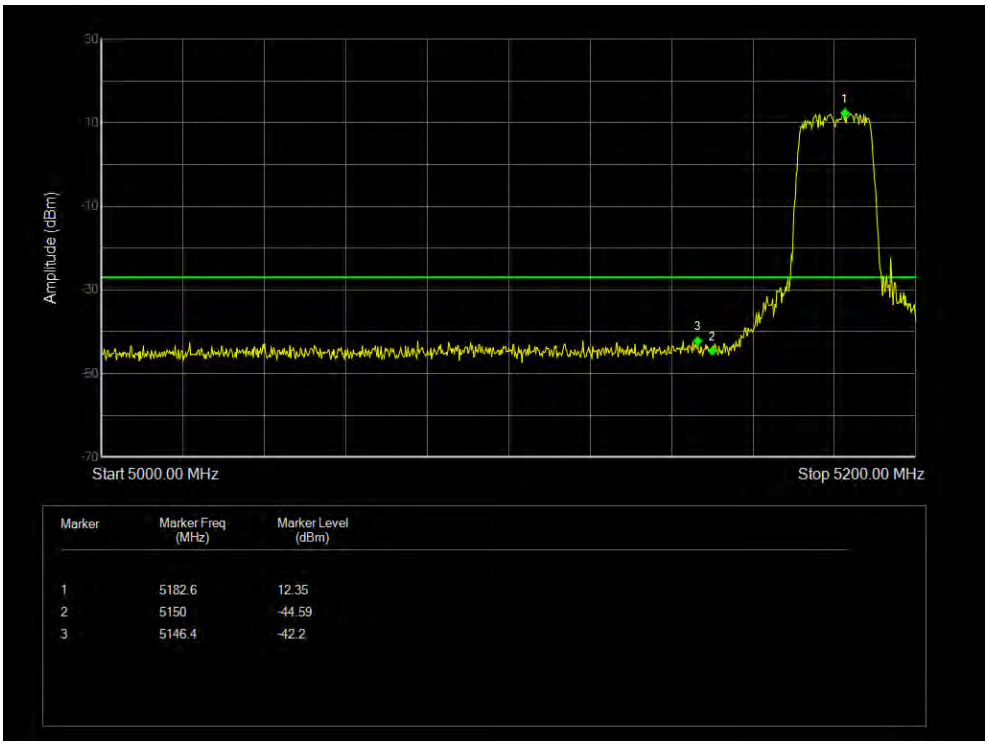
Band Edge NVNT 802.11ac20 5180MHz Low Ant 1



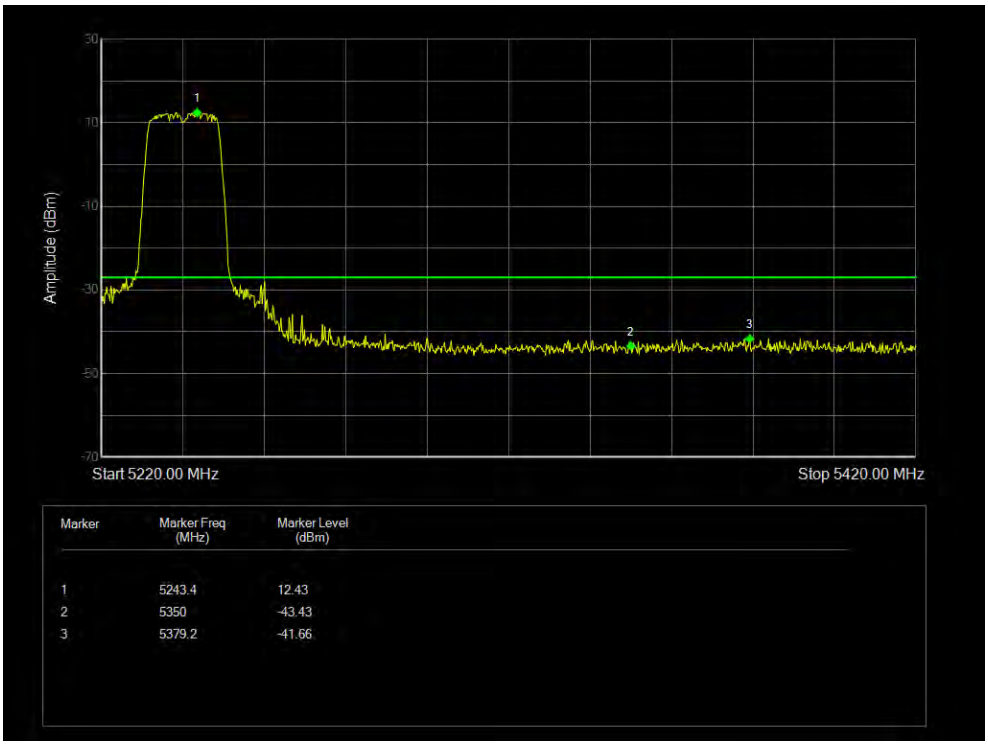
Band Edge NVNT 802.11ac20 5240MHz High Ant 1



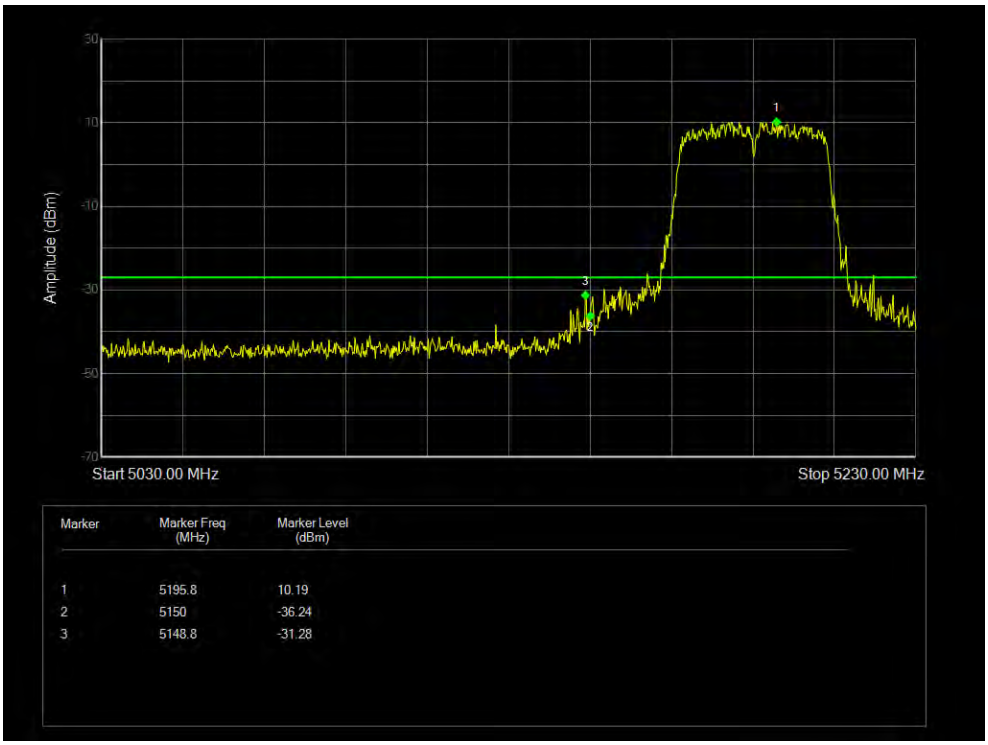
Band Edge NVNT 802.11ac20 5180MHz Low Ant 2



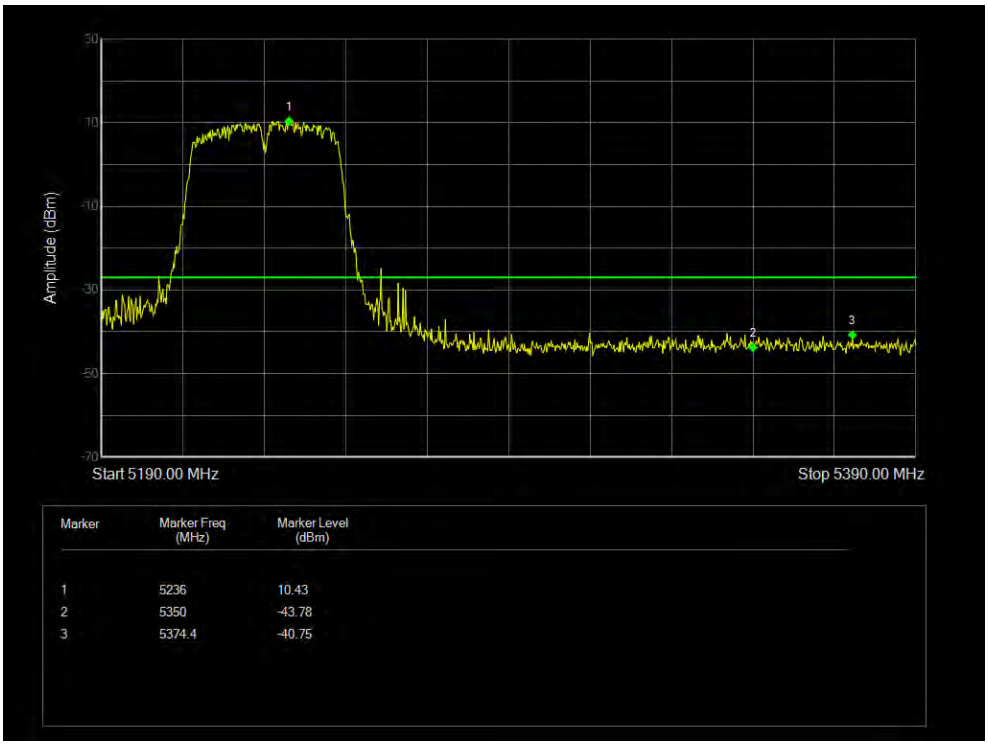
Band Edge NVNT 802.11ac20 5240MHz High Ant 2



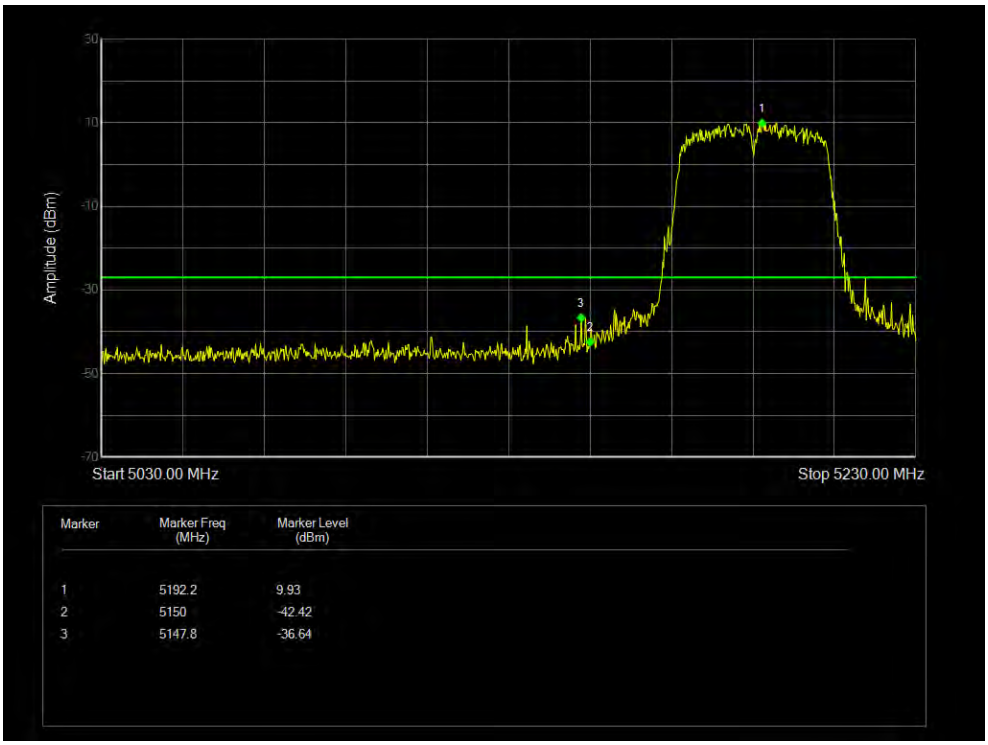
Band Edge NVNT 802.11ac40 5190MHz Low Ant 1



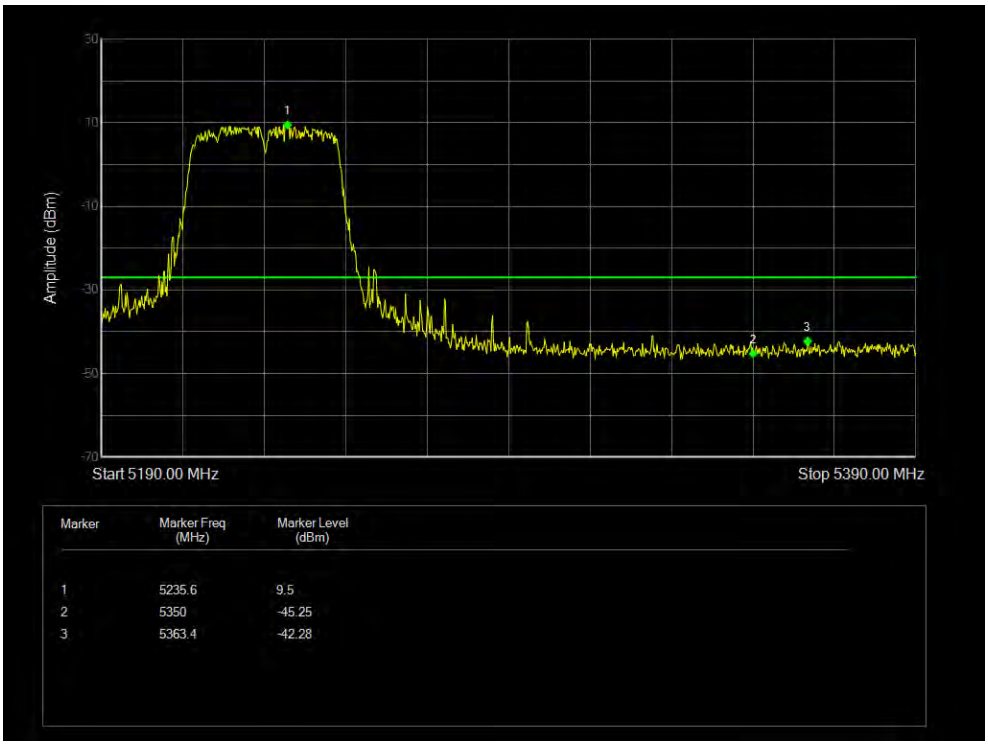
Band Edge NVNT 802.11ac40 5230MHz High Ant 1



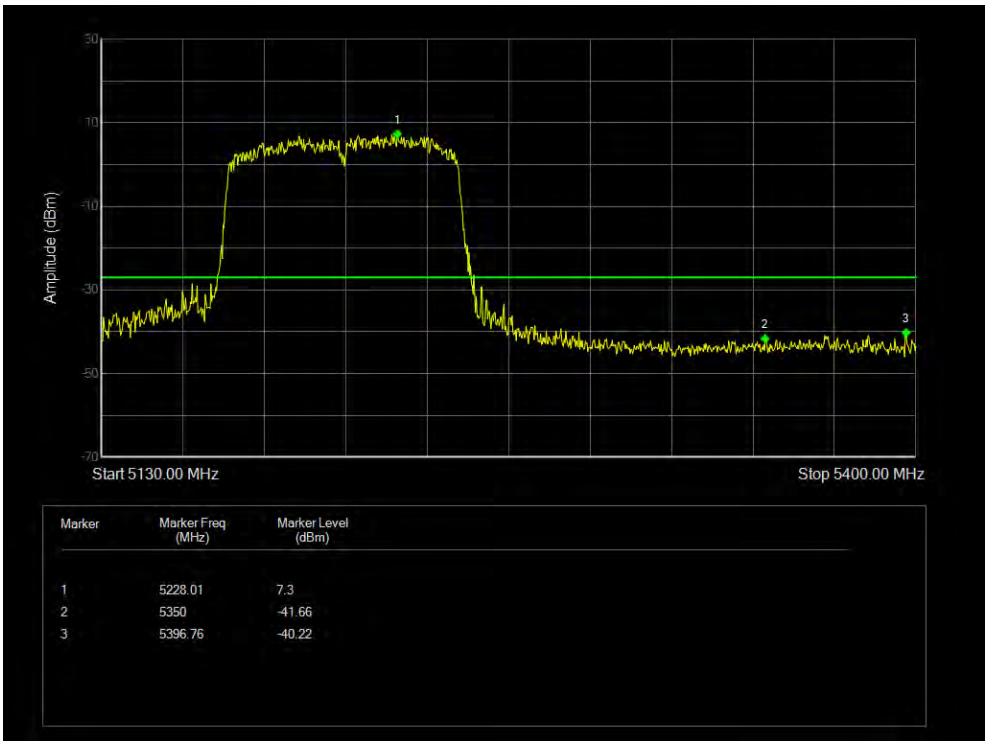
Band Edge NVNT 802.11ac40 5190MHz Low Ant 2



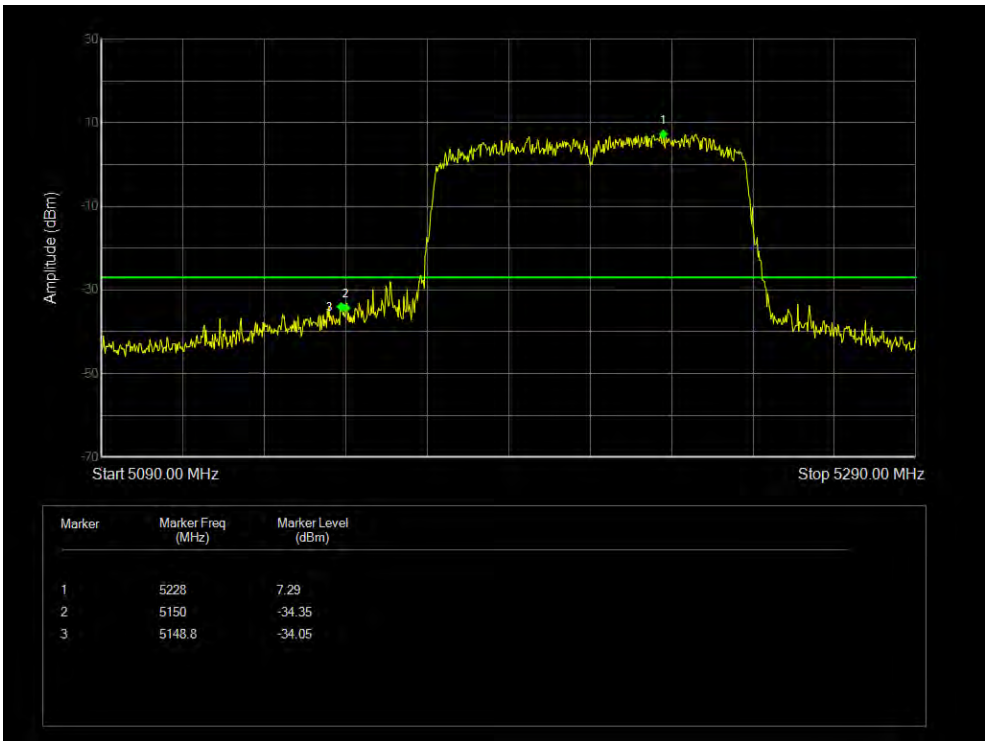
Band Edge NVNT 802.11ac40 5230MHz High Ant 2



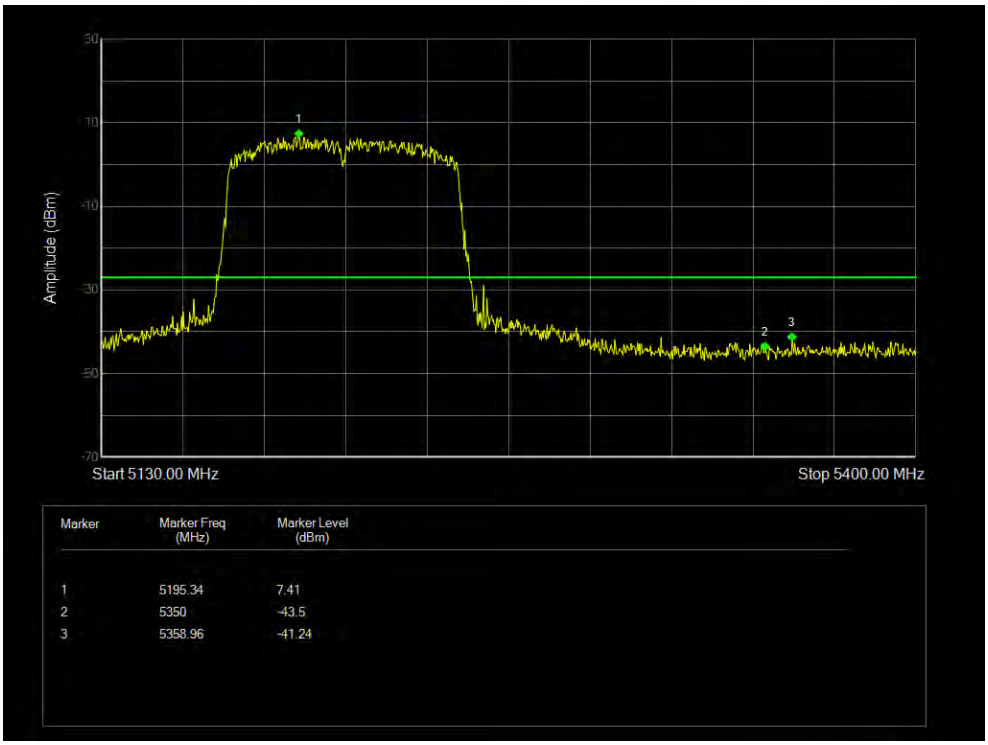
Band Edge NVNT 802.11ac80 5210MHz High Ant 1



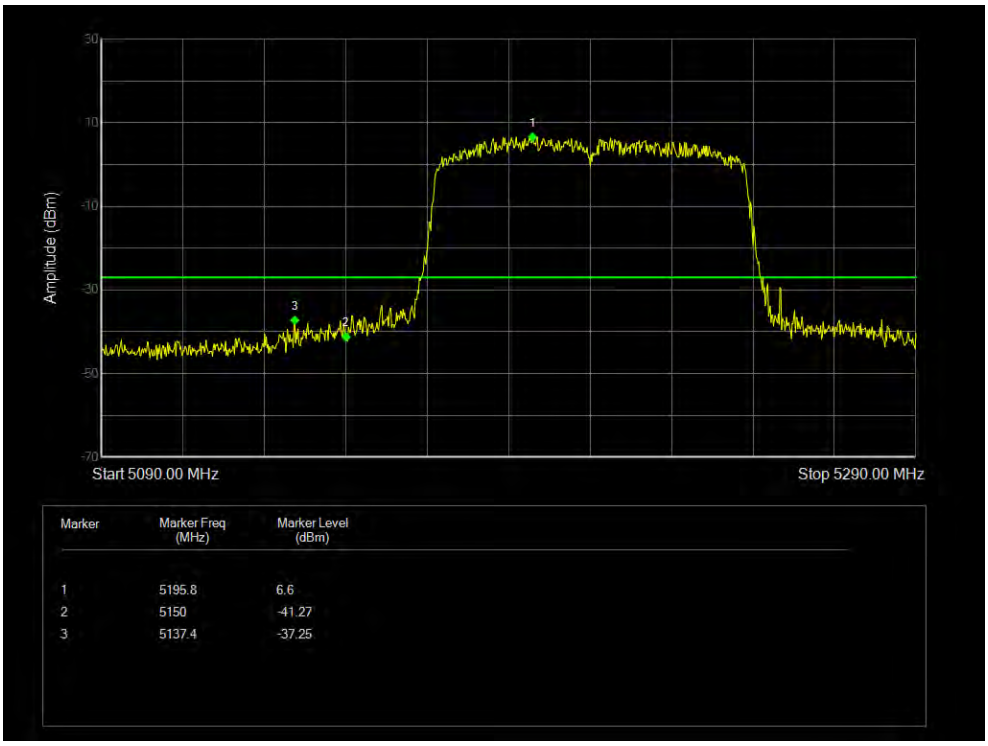
Band Edge NVNT 802.11ac80 5210MHz Low Ant 1



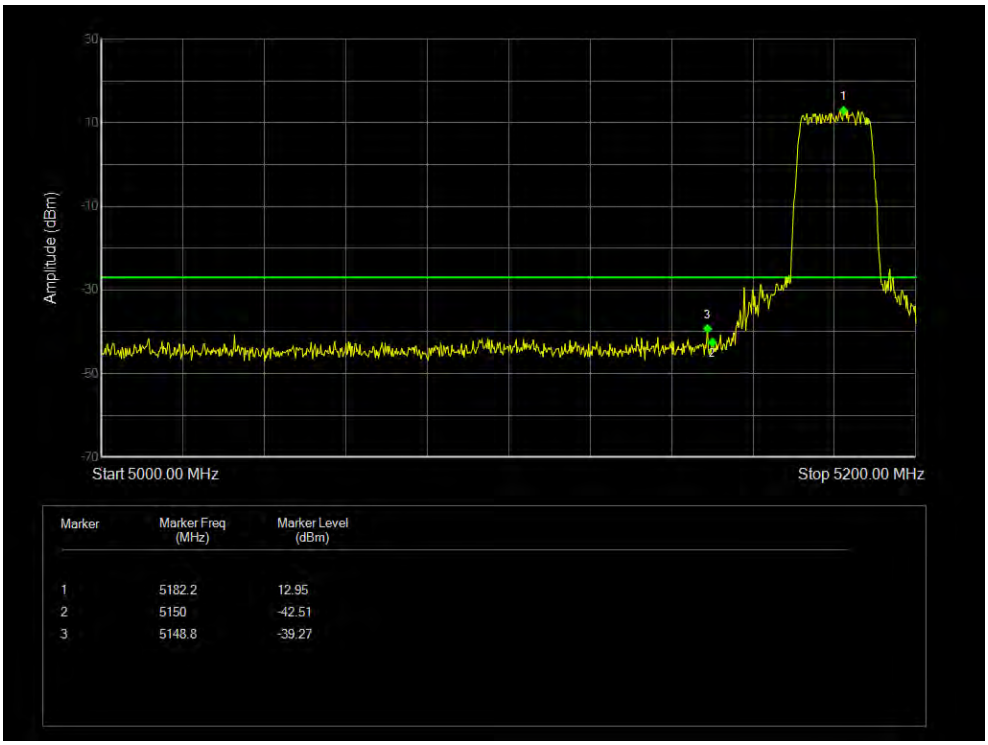
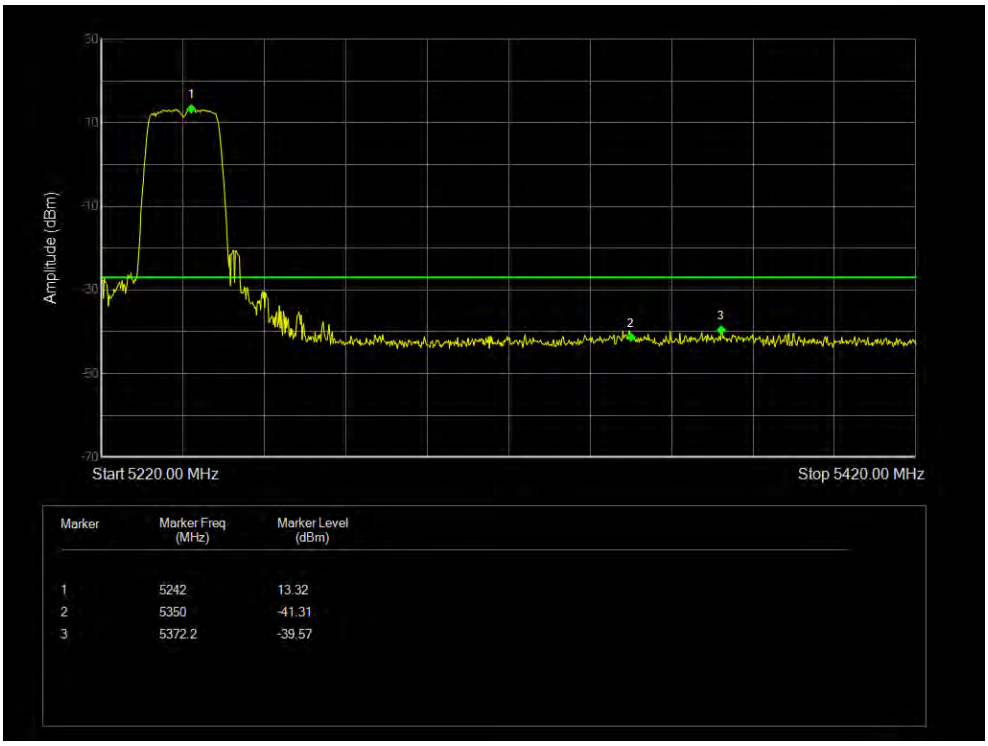
Band Edge NVNT 802.11ac80 5210MHz High Ant 2



Band Edge NVNT 802.11ac80 5210MHz Low Ant 2



Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant 1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