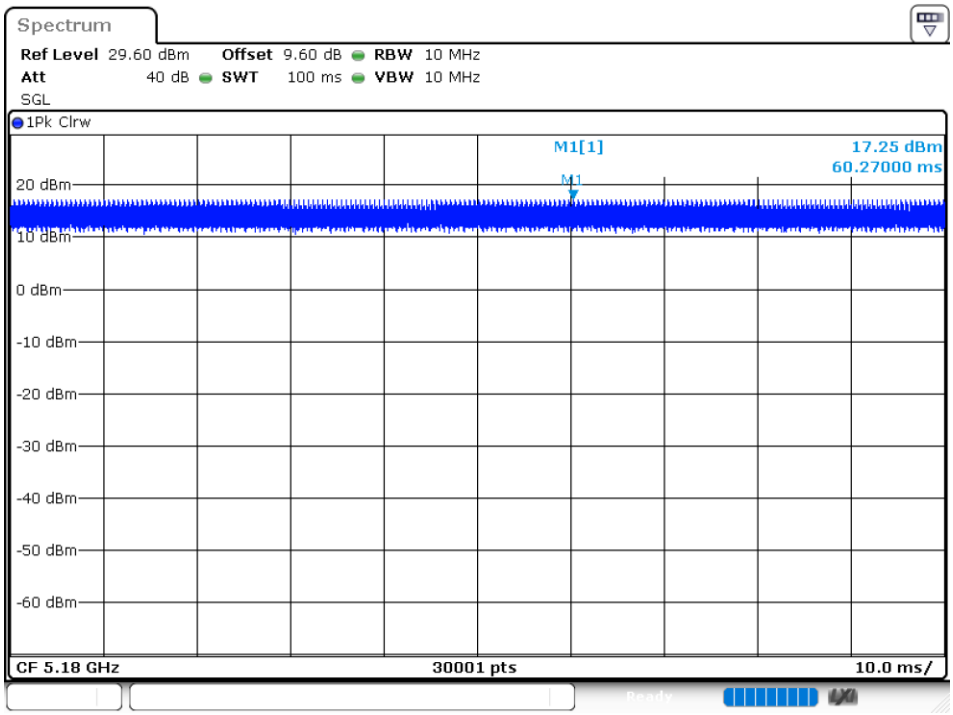
5.2G

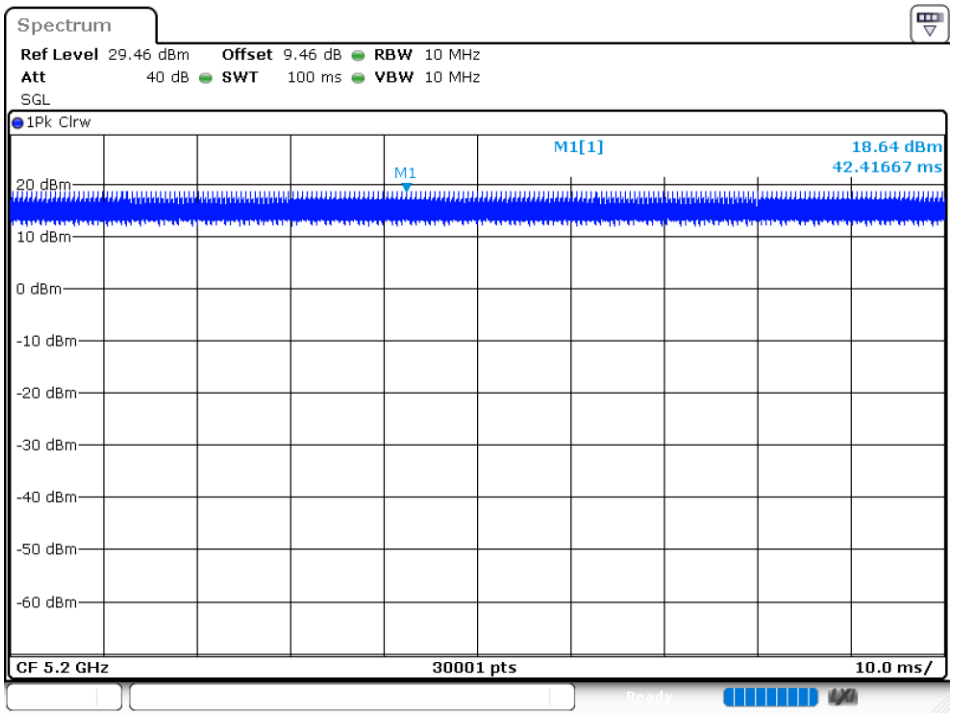
Duty Cycle

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

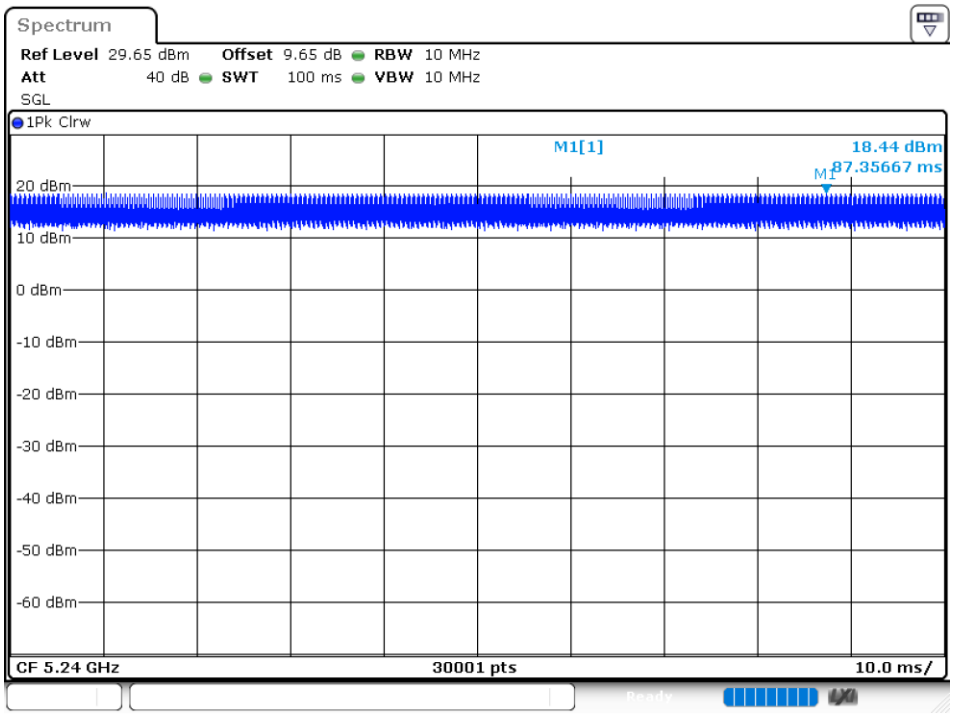
Duty Cycle NVNT 802.11a 5180MHz



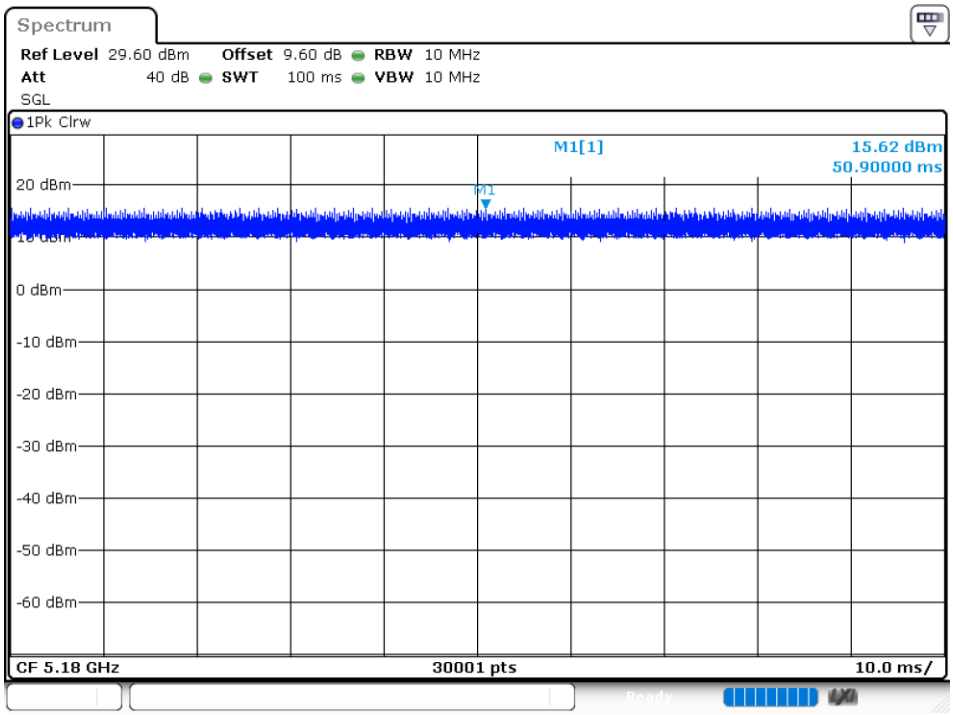
Duty Cycle NVNT 802.11a 5200MHz



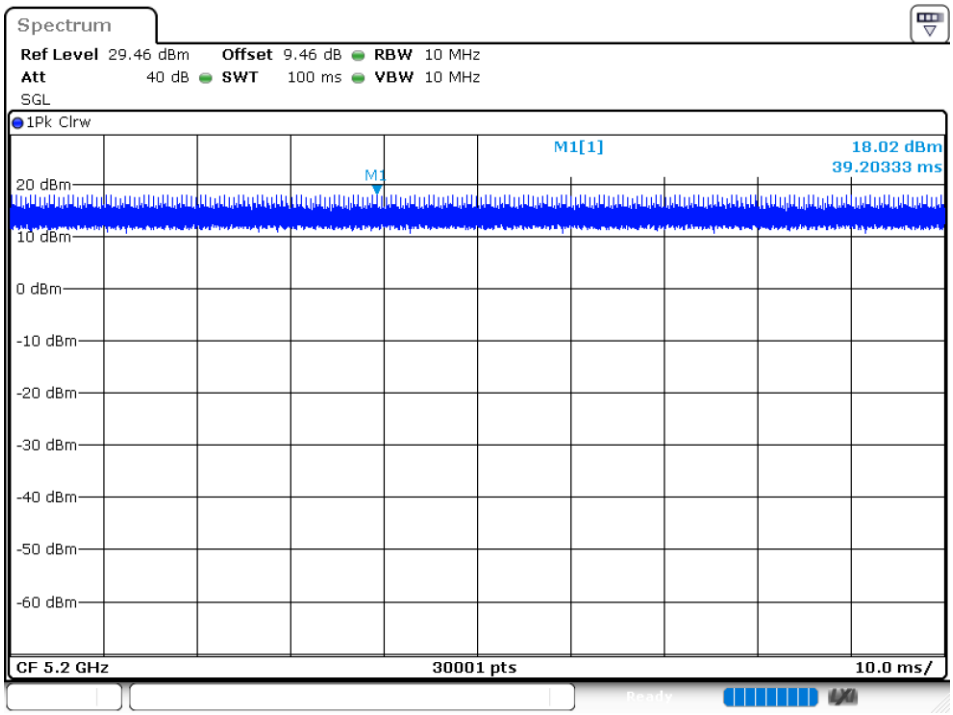
Duty Cycle NVNT 802.11a 5240MHz



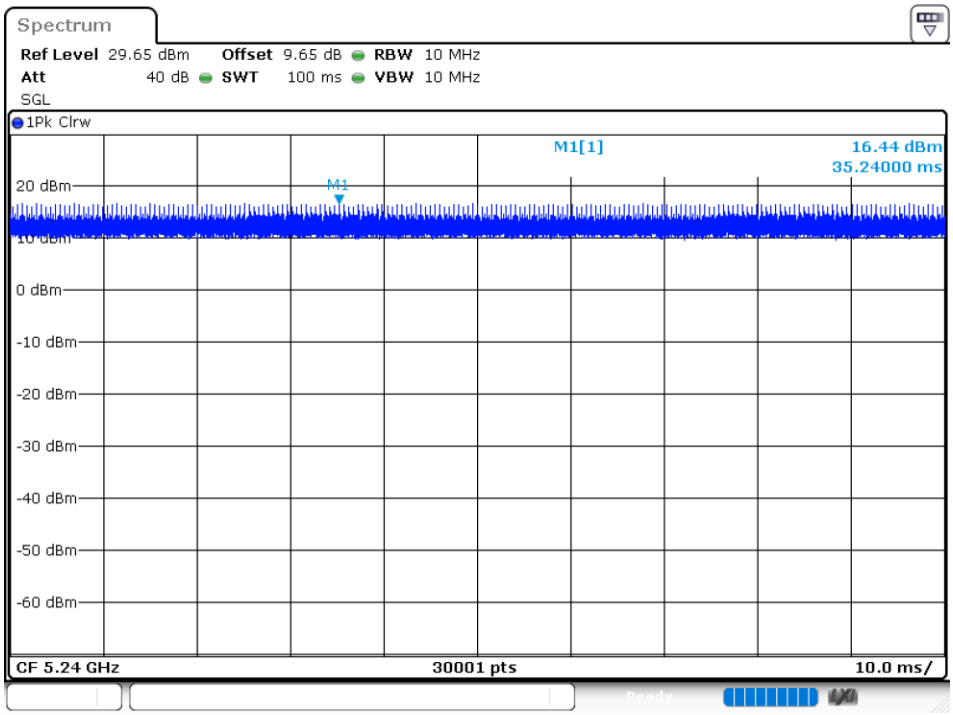
Duty Cycle NVNT 802.11ac20 5180MHz



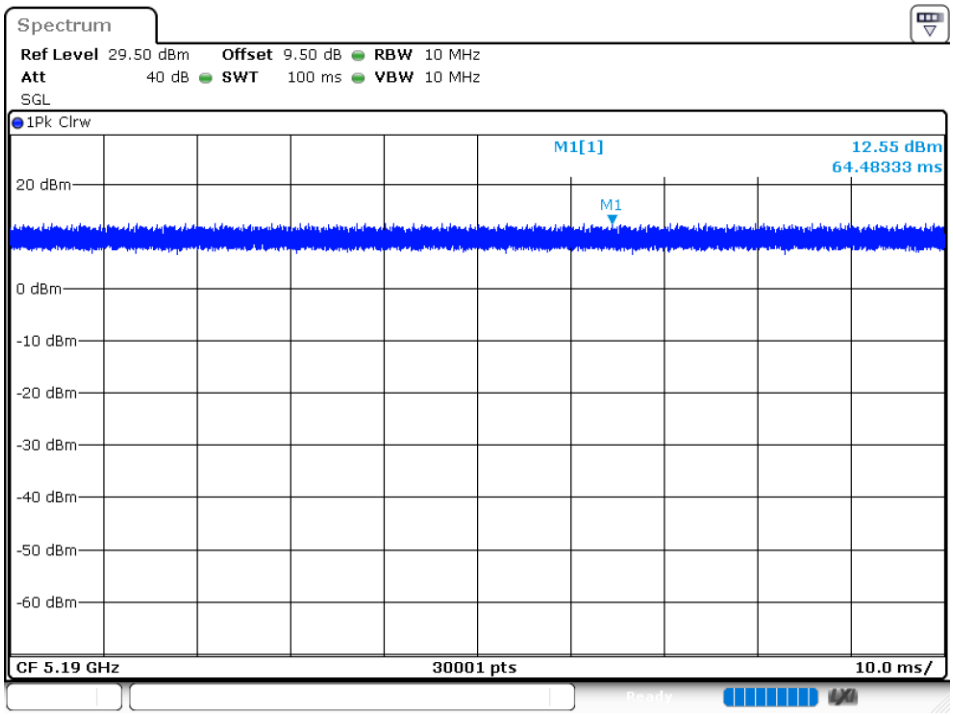
Duty Cycle NVNT 802.11ac20 5200MHz



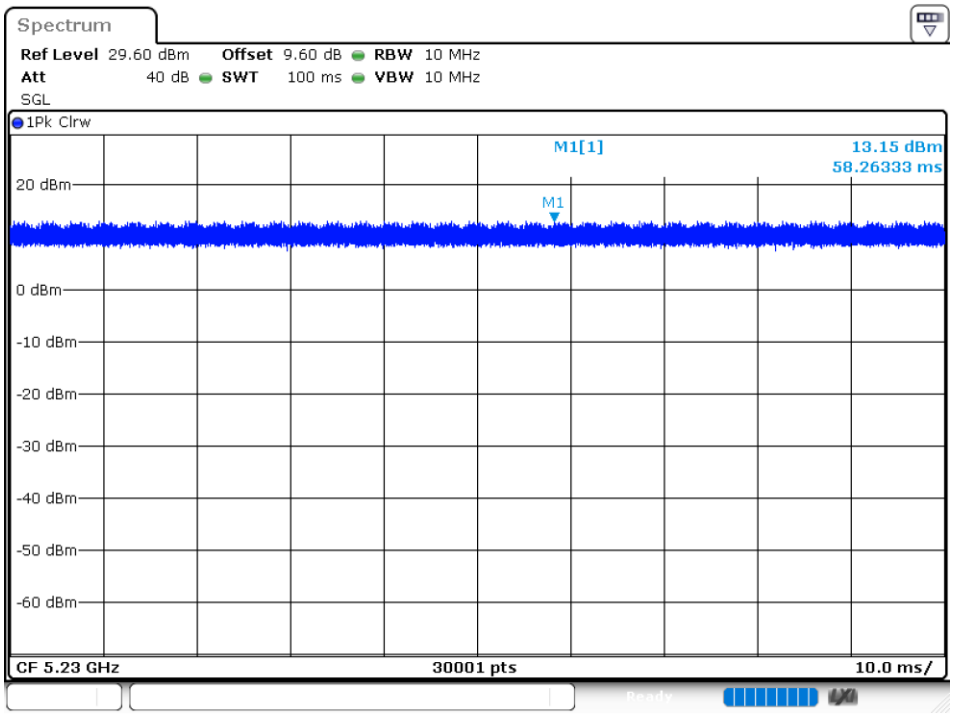
Duty Cycle NVNT 802.11ac20 5240MHz



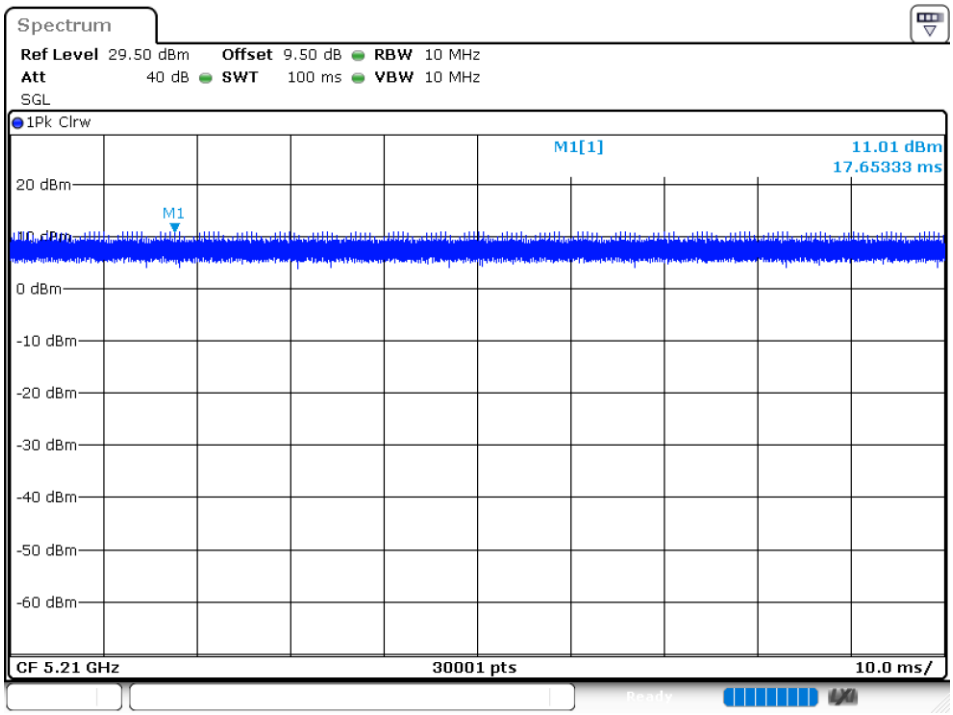
Duty Cycle NVNT 802.11ac40 5190MHz



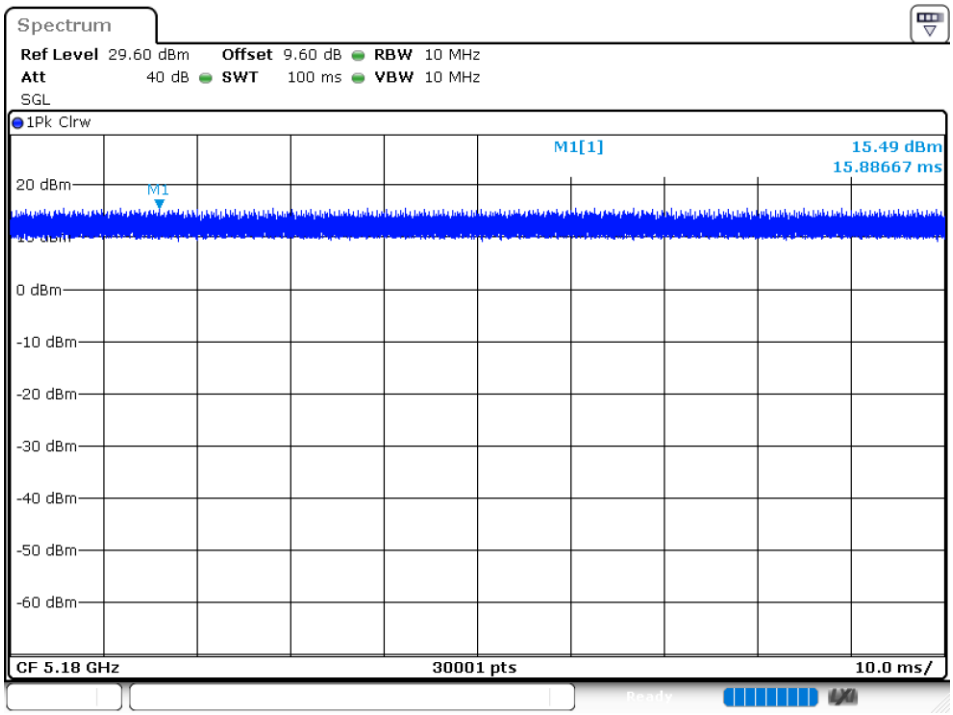
Duty Cycle NVNT 802.11ac40 5230MHz



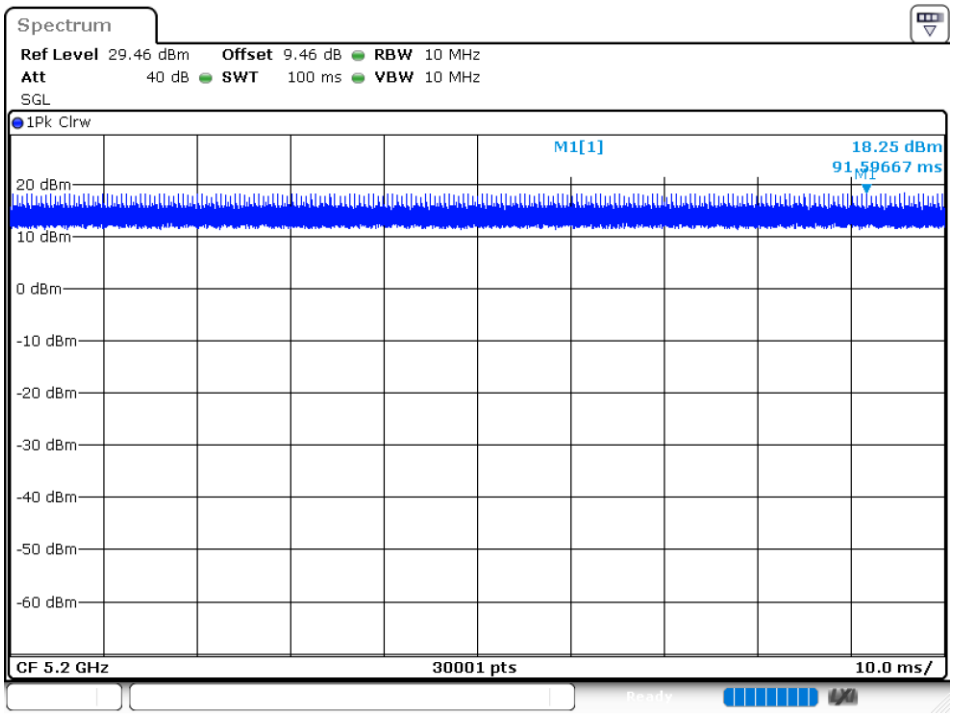
Duty Cycle NVNT 802.11ac80 5210MHz



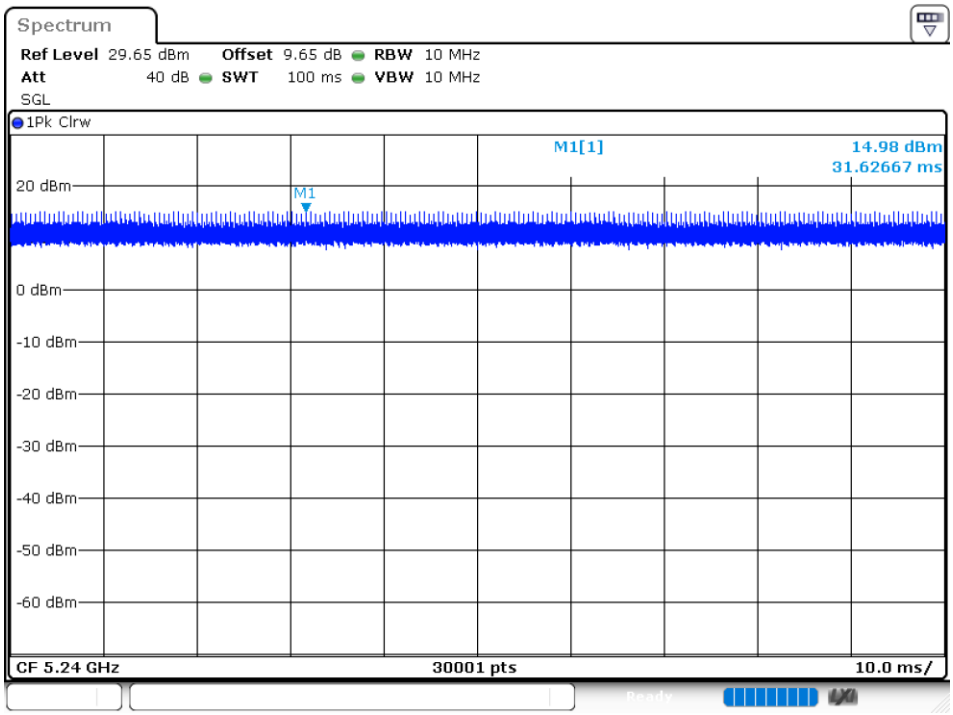
Duty Cycle NVNT 802.11n(HT20) 5180MHz



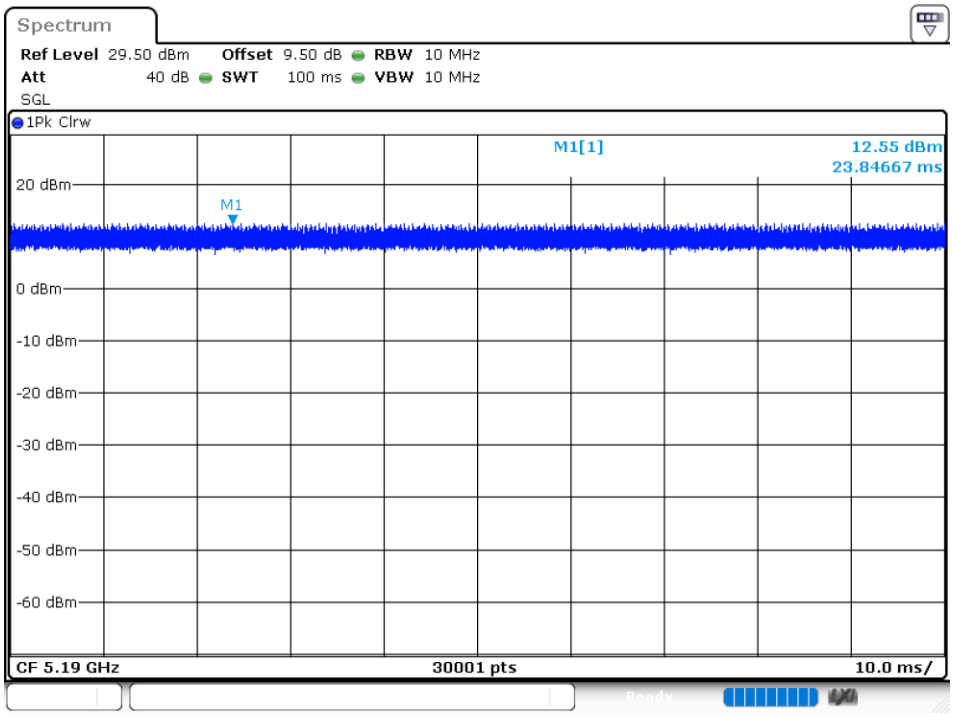
Duty Cycle NVNT 802.11n(HT20) 5200MHz



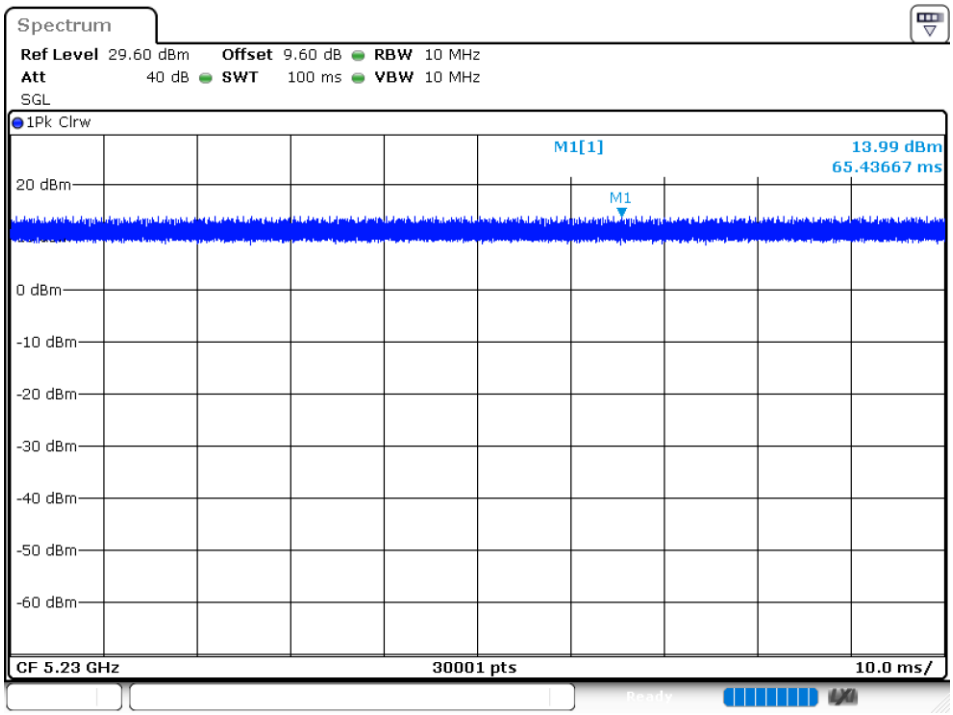
Duty Cycle NVNT 802.11n(HT20) 5240MHz



Duty Cycle NVNT 802.11n(HT40) 5190MHz



Duty Cycle NVNT 802.11n(HT40) 5230MHz



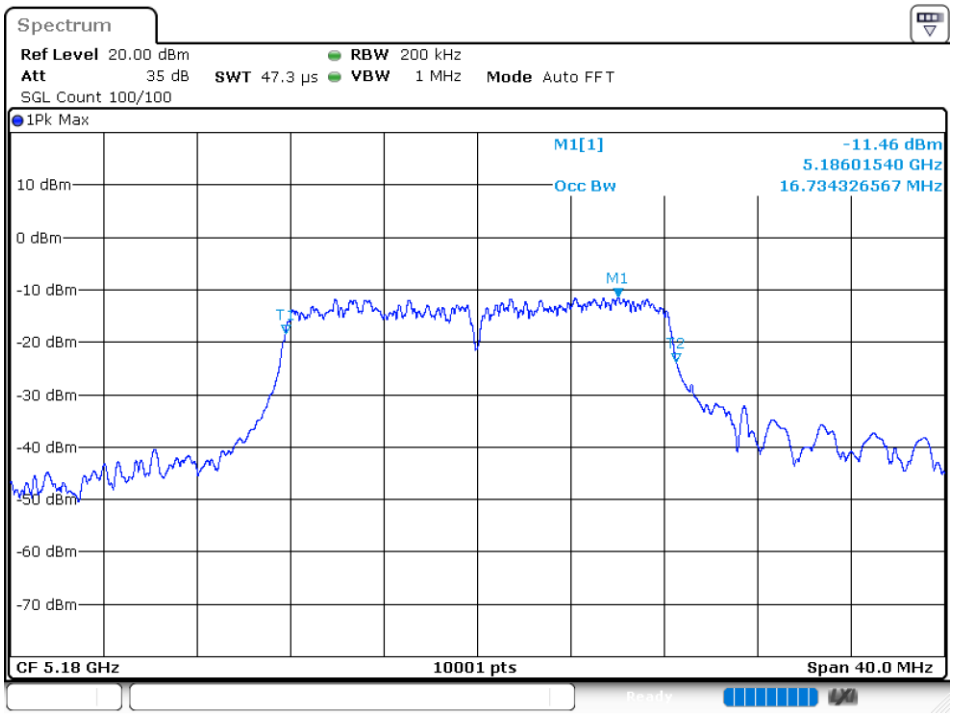
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	8.8	0	8.8	24	Pass
NVNT	802.11a	5200	Ant 1	9.81	0	9.81	24	Pass
NVNT	802.11a	5240	Ant 1	9.23	0	9.23	24	Pass
NVNT	802.11ac20	5180	Ant 1	7.19	0	7.19	24	Pass
NVNT	802.11ac20	5200	Ant 1	8.63	0	8.63	24	Pass
NVNT	802.11ac20	5240	Ant 1	7.01	0	7.01	24	Pass
NVNT	802.11ac40	5190	Ant 1	7.6	0	7.6	24	Pass
NVNT	802.11ac40	5230	Ant 1	7.95	0	7.95	24	Pass
NVNT	802.11ac80	5210	Ant 1	8.04	0	8.04	24	Pass
NVNT	802.11n(HT20)	5180	Ant 1	7.31	0	7.31	24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	8.96	0	8.96	24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	8.21	0	8.21	24	Pass
NVNT	802.11n(HT40)	5190	Ant 1	7.62	0	7.62	24	Pass
NVNT	802.11n(HT40)	5230	Ant 1	8.95	0	8.95	24	Pass

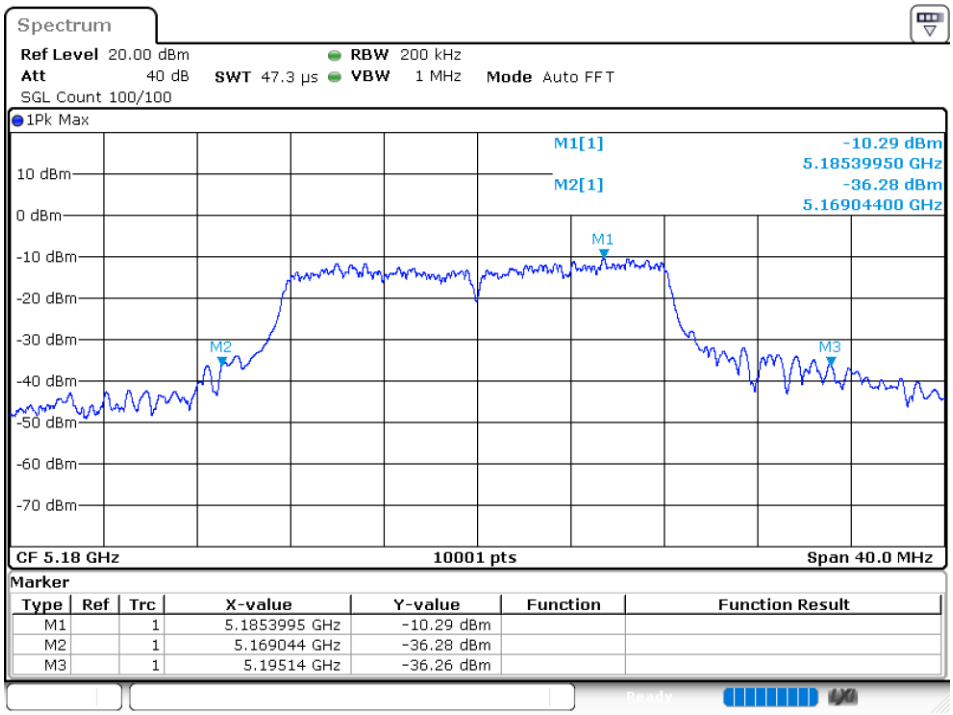
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	16.7343	26.096	0	Pass
NVNT	802.11a	5200	Ant 1	16.5983	22.44	0	Pass
NVNT	802.11a	5240	Ant 1	16.5423	20.336	0	Pass
NVNT	802.11ac20	5180	Ant 1	17.6662	21.148	0	Pass
NVNT	802.11ac20	5200	Ant 1	17.7102	20.936	0	Pass
NVNT	802.11ac20	5240	Ant 1	17.7382	20.6	0	Pass
NVNT	802.11ac40	5190	Ant 1	36.3004	42	0	Pass
NVNT	802.11ac40	5230	Ant 1	36.1884	42.352	0	Pass
NVNT	802.11ac80	5210	Ant 1	75.1125	82.336	0	Pass
NVNT	802.11n(HT20)	5180	Ant 1	17.7102	21.076	0	Pass
NVNT	802.11n(HT20)	5200	Ant 1	17.6862	21.3	0	Pass
NVNT	802.11n(HT20)	5240	Ant 1	17.6982	21.292	0	Pass
NVNT	802.11n(HT40)	5190	Ant 1	36.3964	42.408	0	Pass
NVNT	802.11n(HT40)	5230	Ant 1	36.2604	42.584	0	Pass

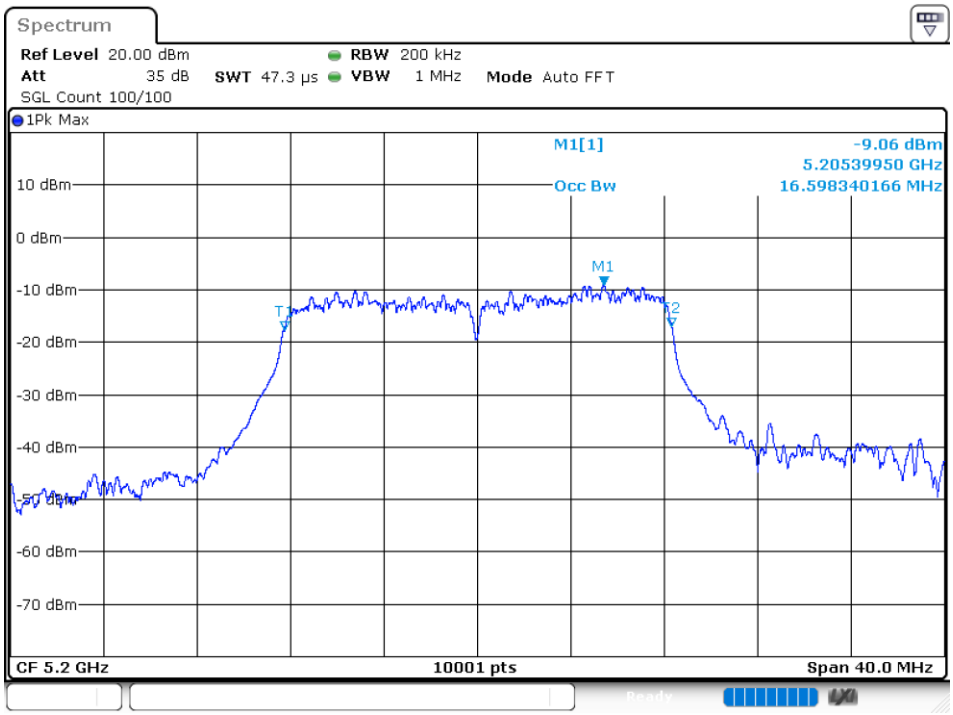
OBW NVNT 802.11a 5180MHz Ant1



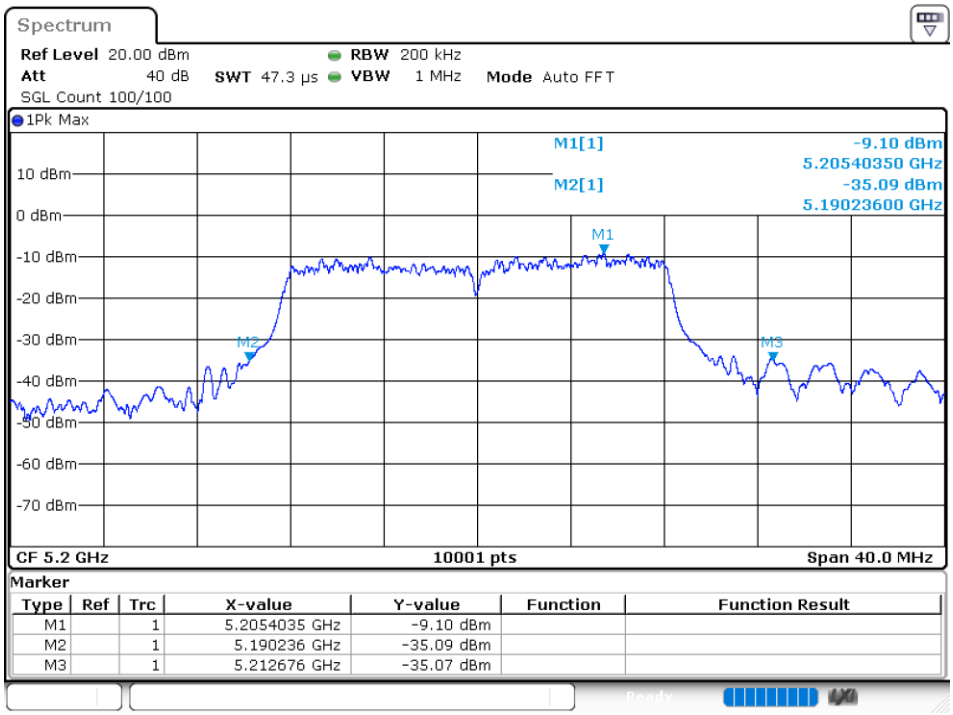
-26 dB BW NVNT 802.11a 5180MHz Ant1



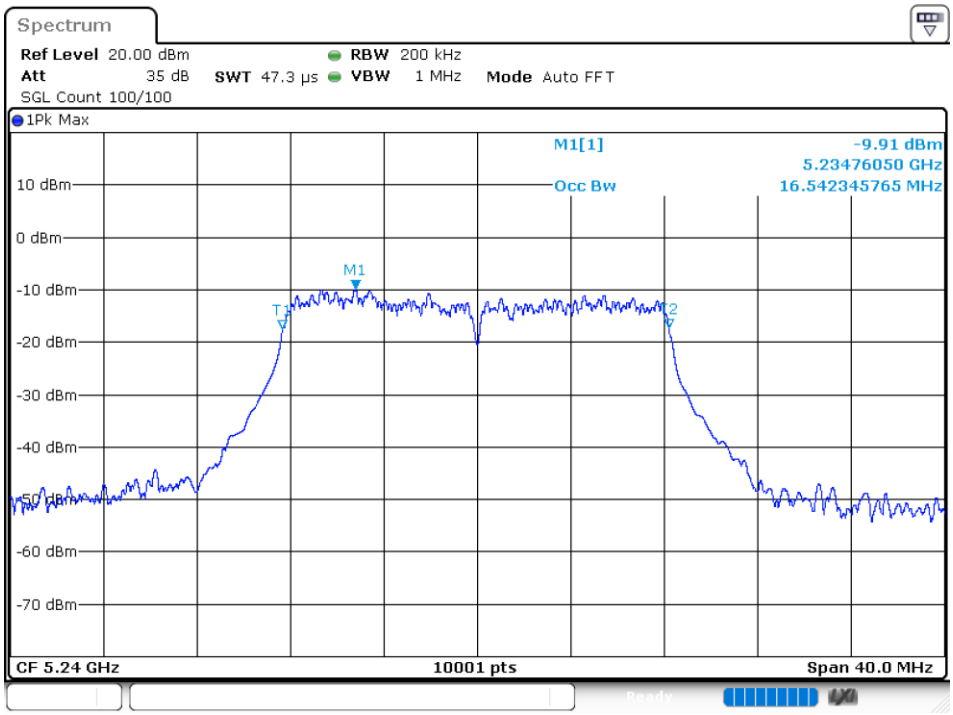
OBW NVNT 802.11a 5200MHz Ant1



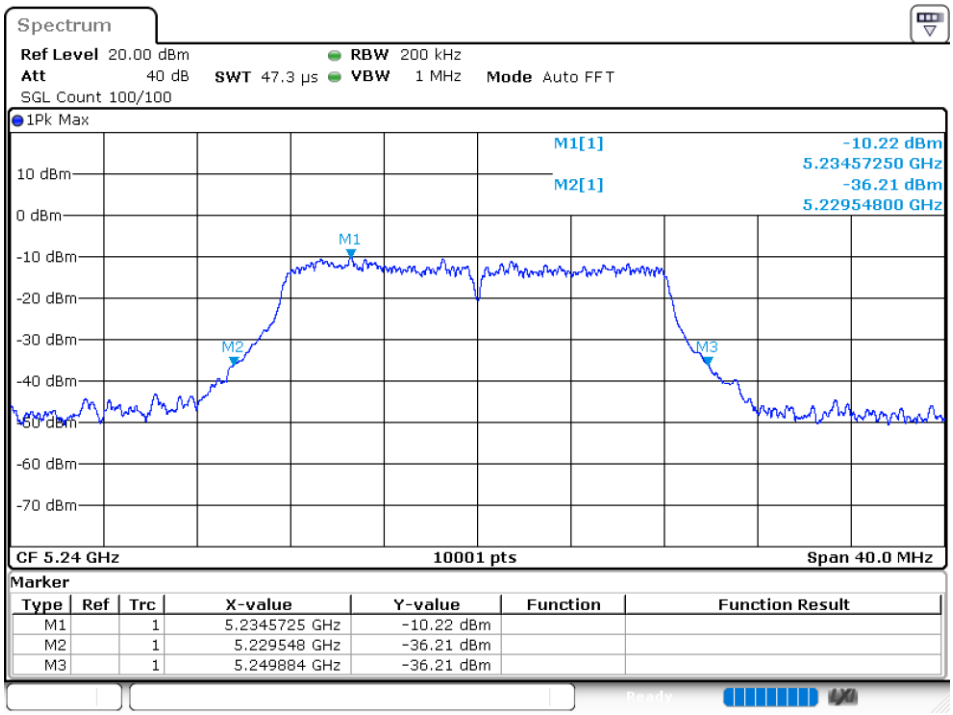
-26 dB BW NVNT 802.11a 5200MHz Ant1



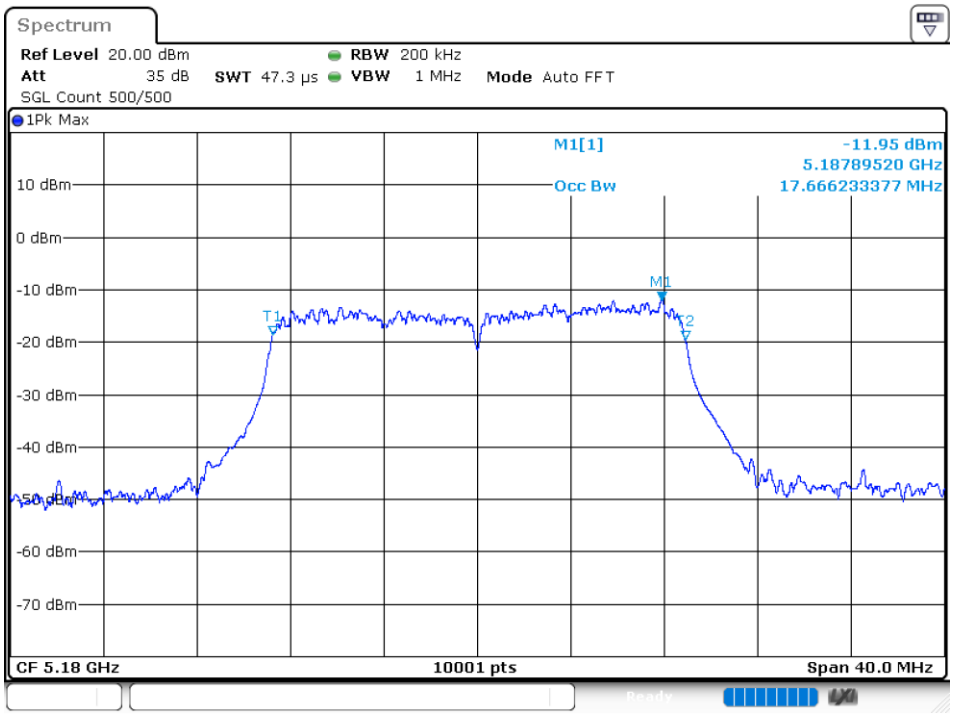
OBW NVNT 802.11a 5240MHz Ant1



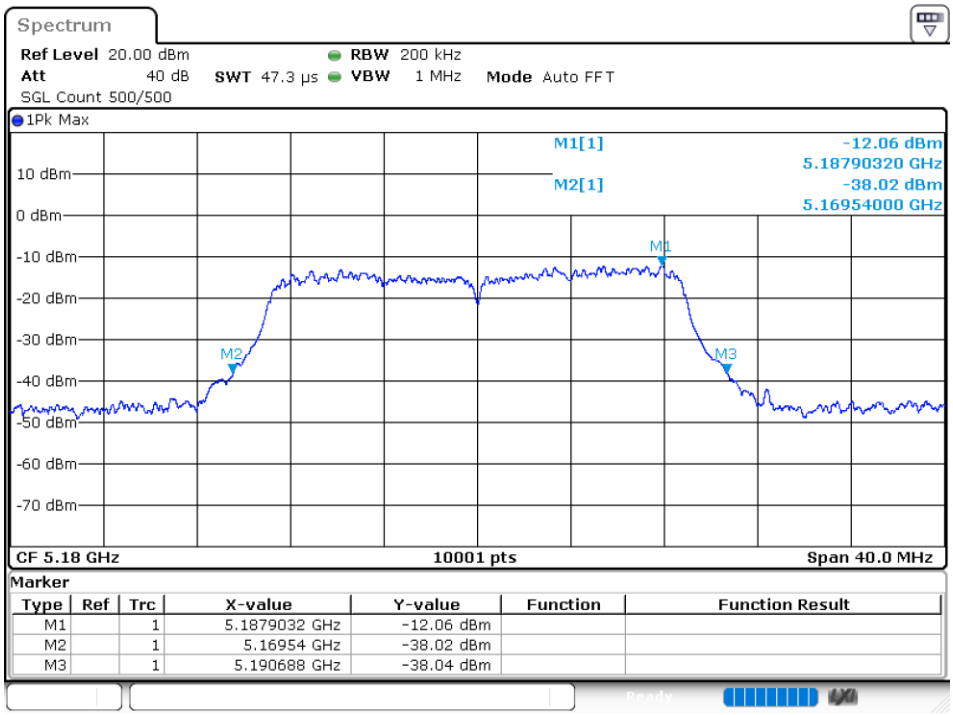
-26 dB BW NVNT 802.11a 5240MHz Ant1



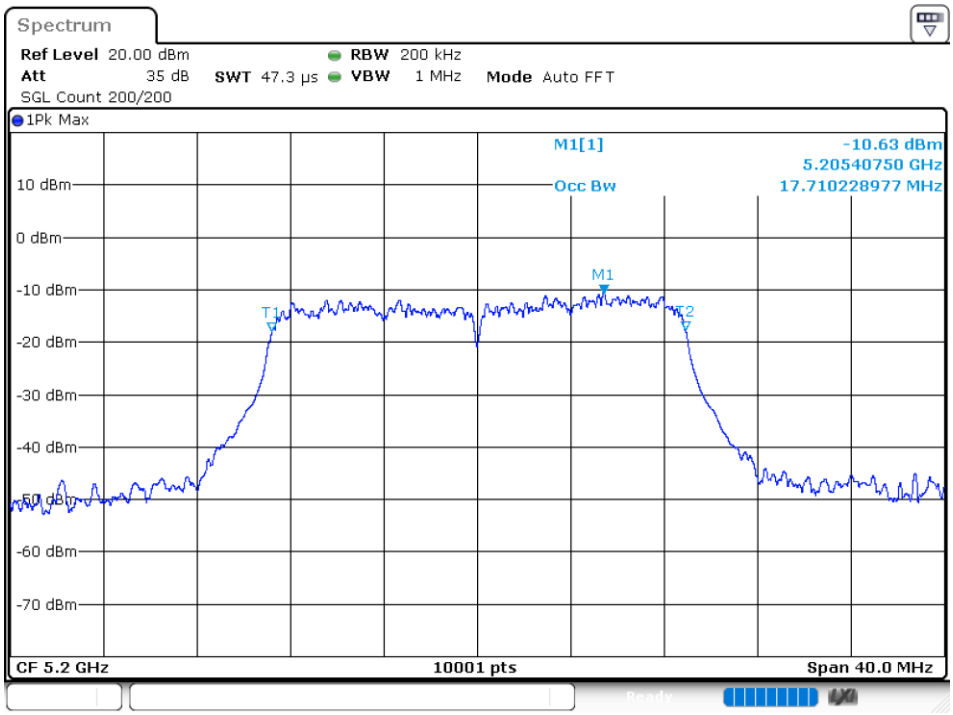
OBW NVNT 802.11ac20 5180MHz Ant1



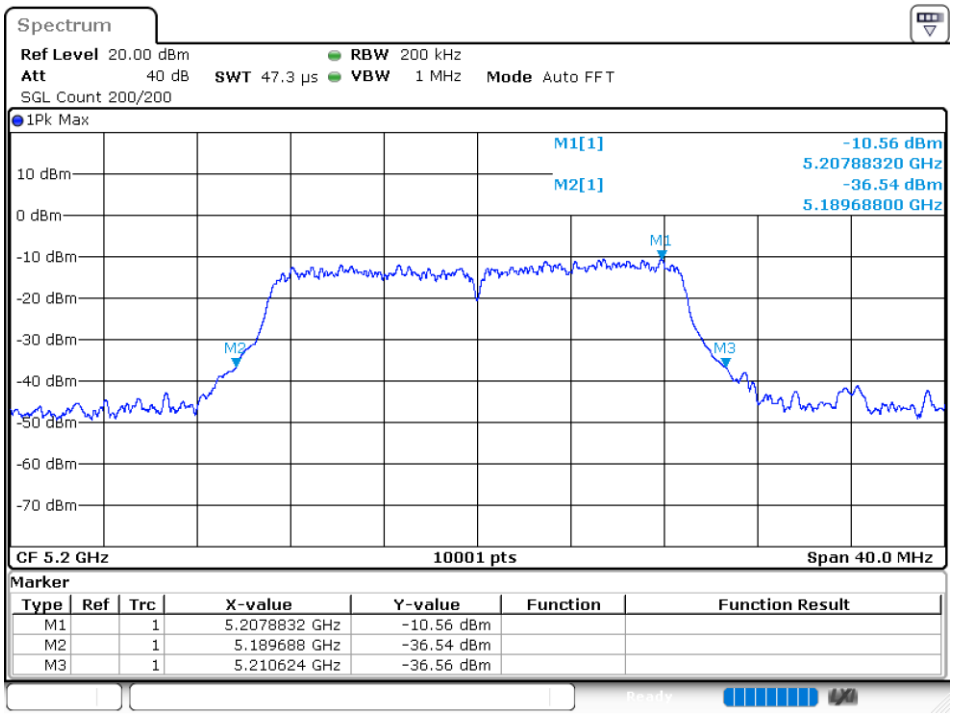
-26 dB BW NVNT 802.11ac20 5180MHz Ant1



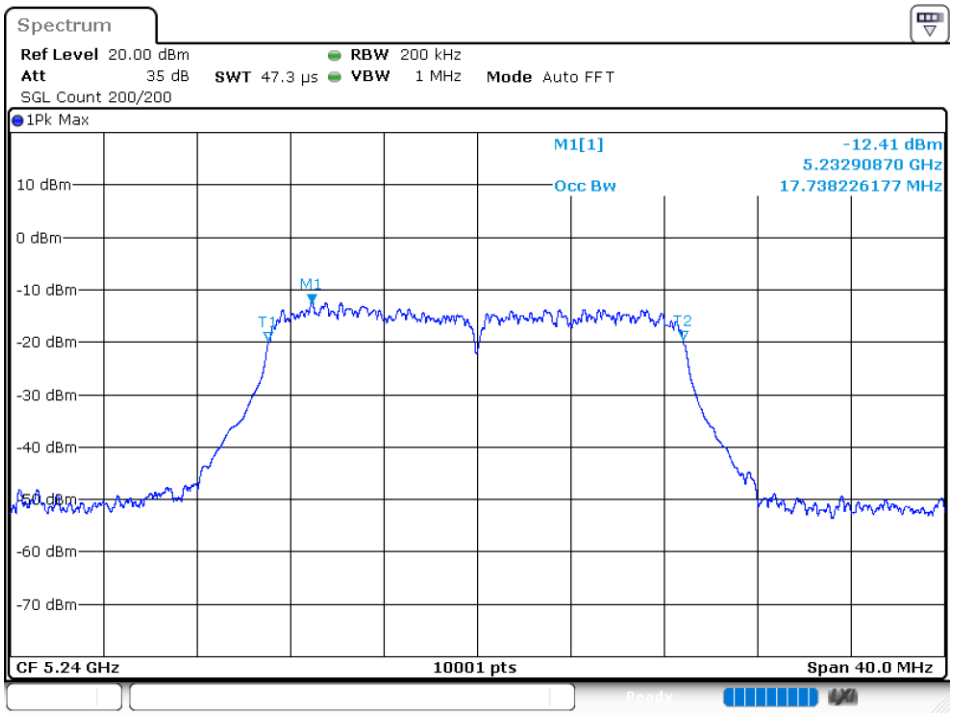
OBW NVNT 802.11ac20 5200MHz Ant1



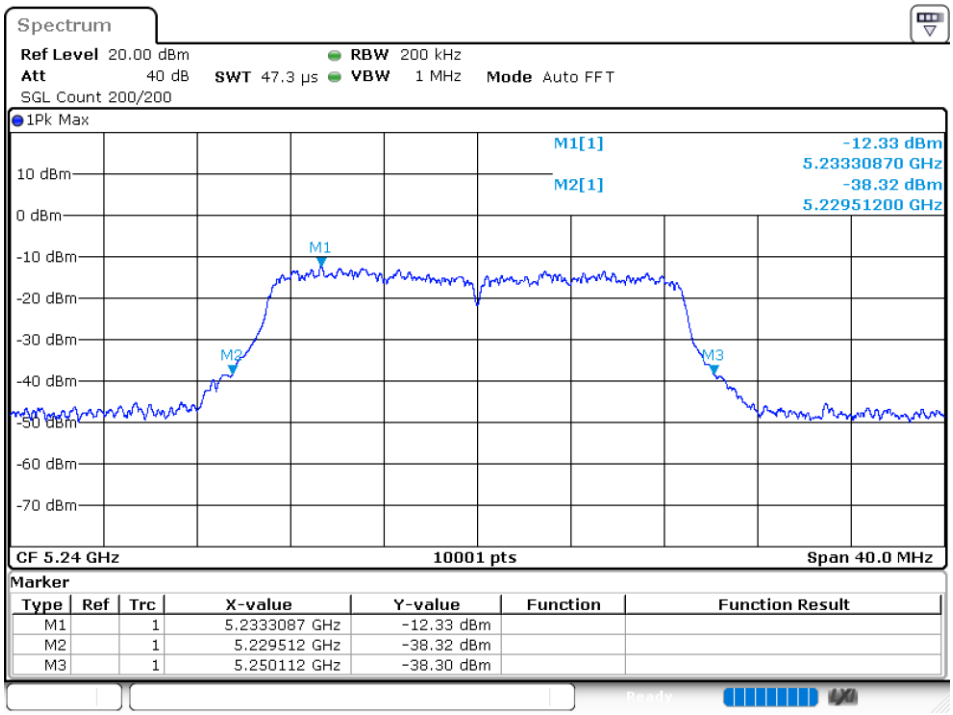
-26 dB BW NVNT 802.11ac20 5200MHz Ant1



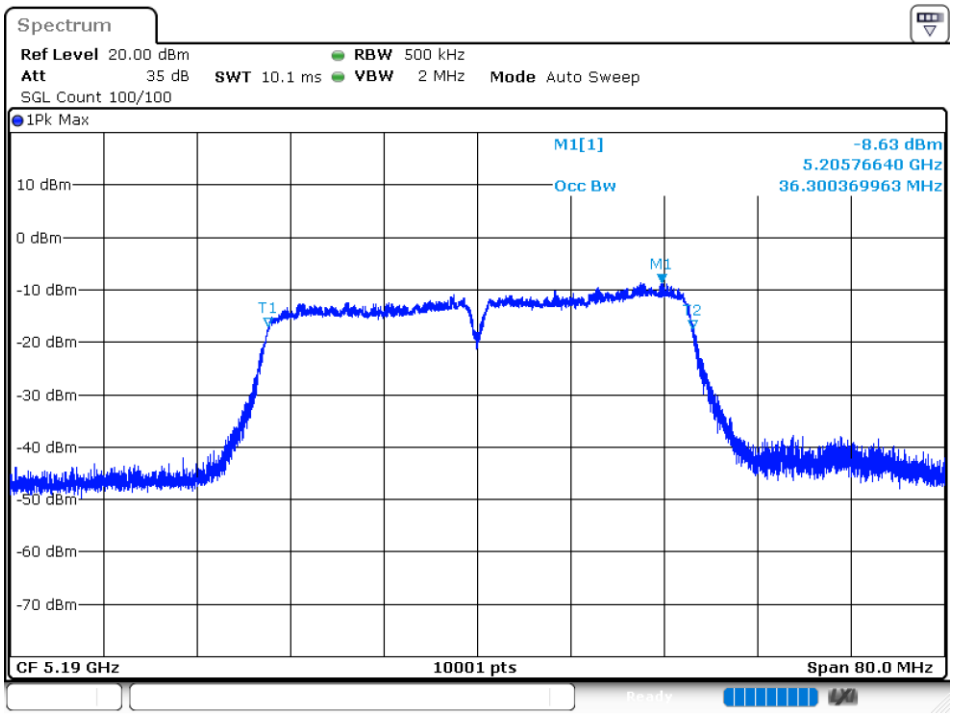
OBW NVNT 802.11ac20 5240MHz Ant1



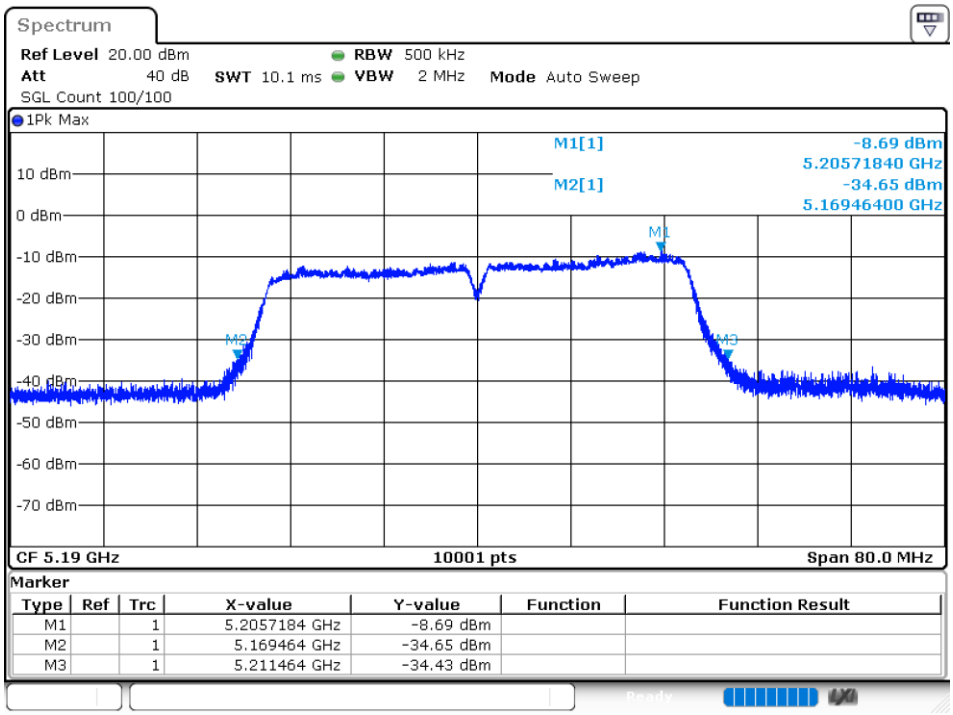
-26 dB BW NVNT 802.11ac20 5240MHz Ant1



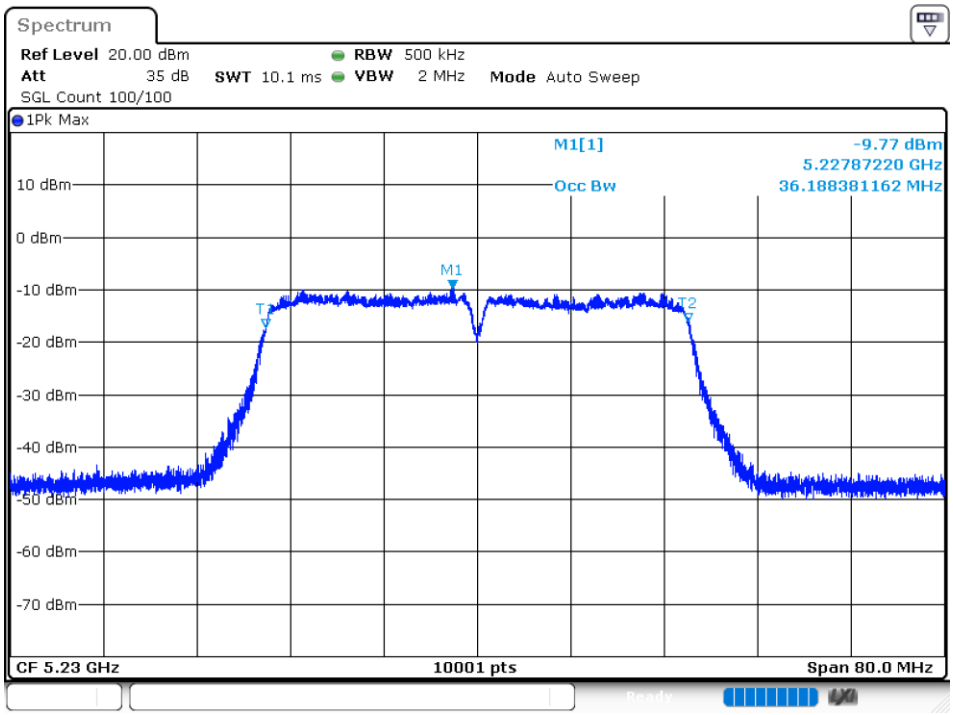
OBW NVNT 802.11ac40 5190MHz Ant1



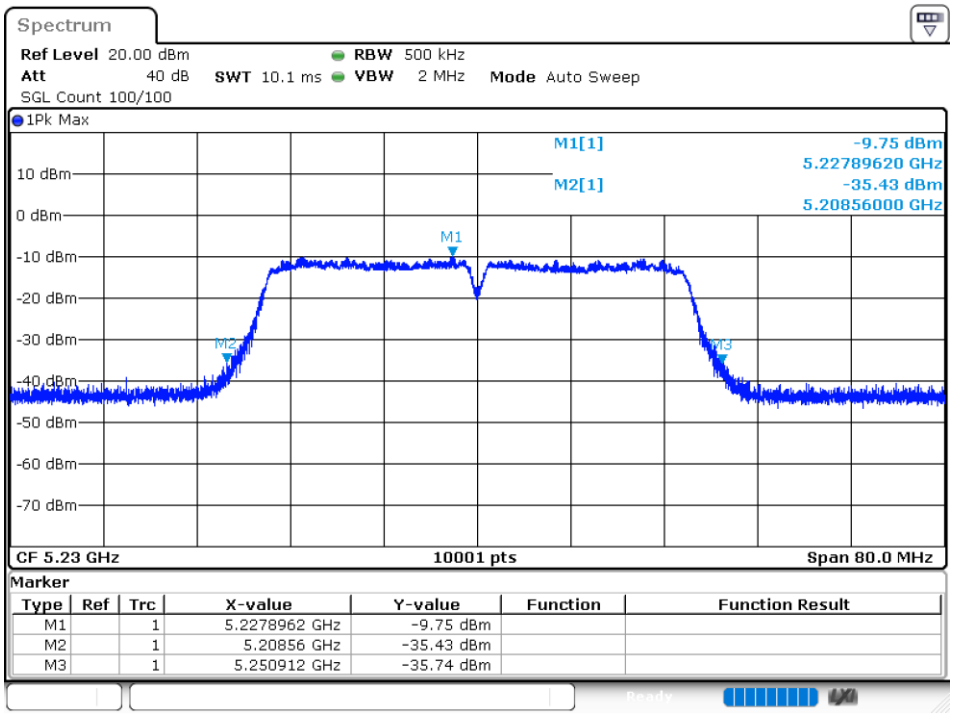
-26 dB BW NVNT 802.11ac40 5190MHz Ant1



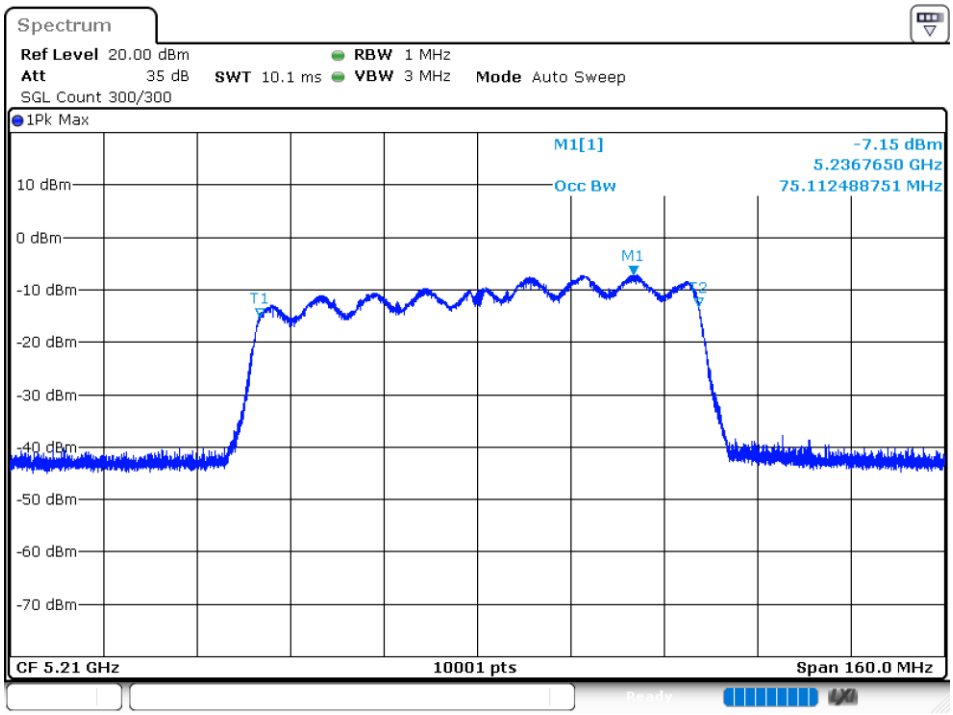
OBW NVNT 802.11ac40 5230MHz Ant1



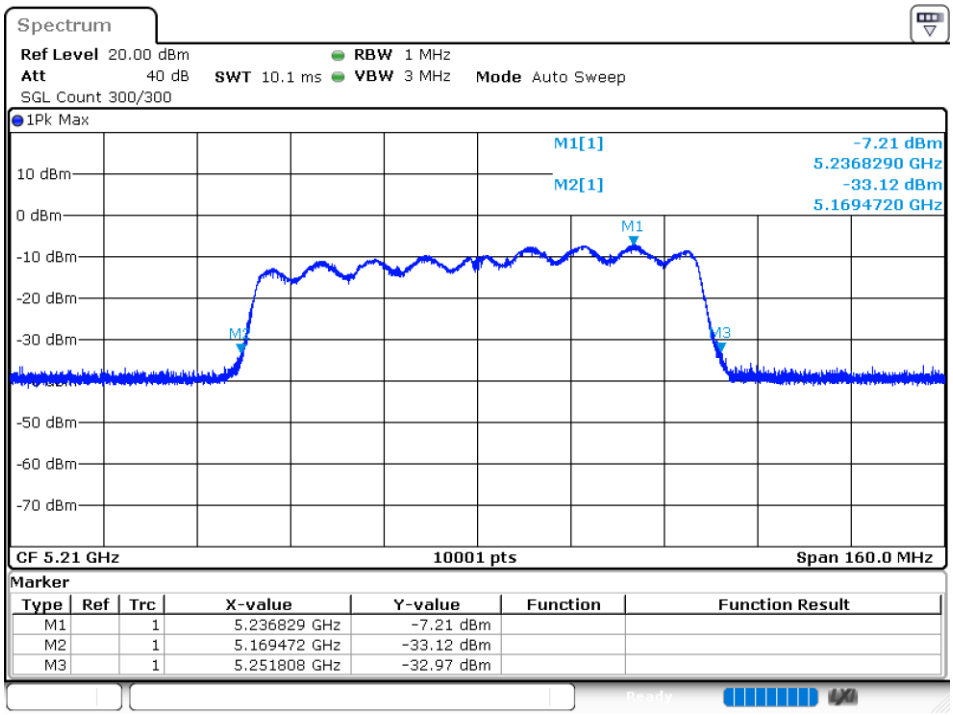
-26 dB BW NVNT 802.11ac40 5230MHz Ant1



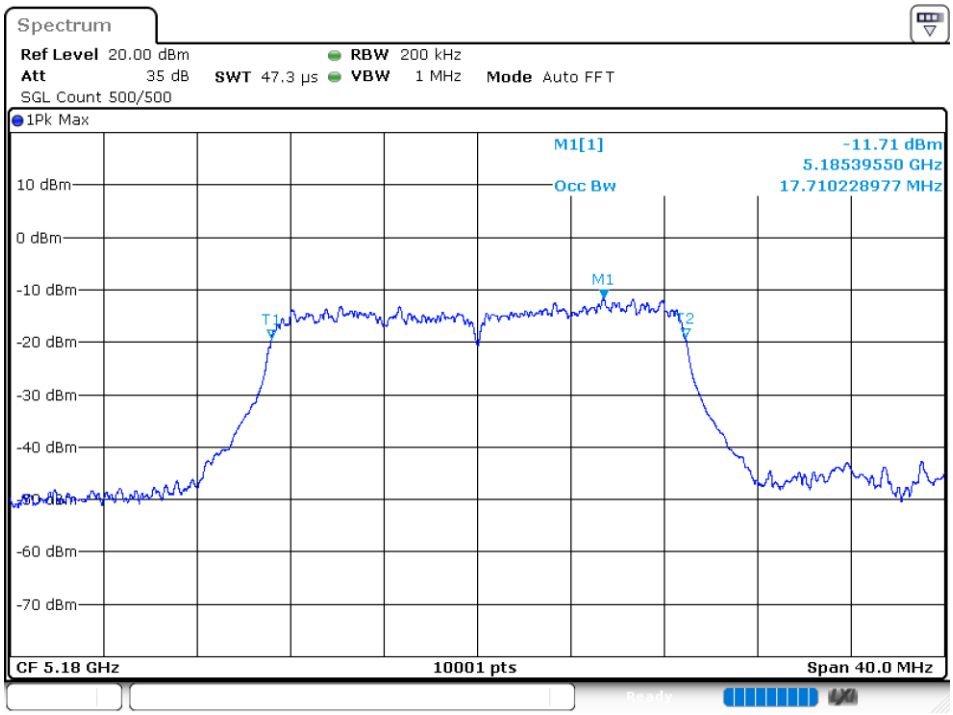
OBW NVNT 802.11ac80 5210MHz Ant1



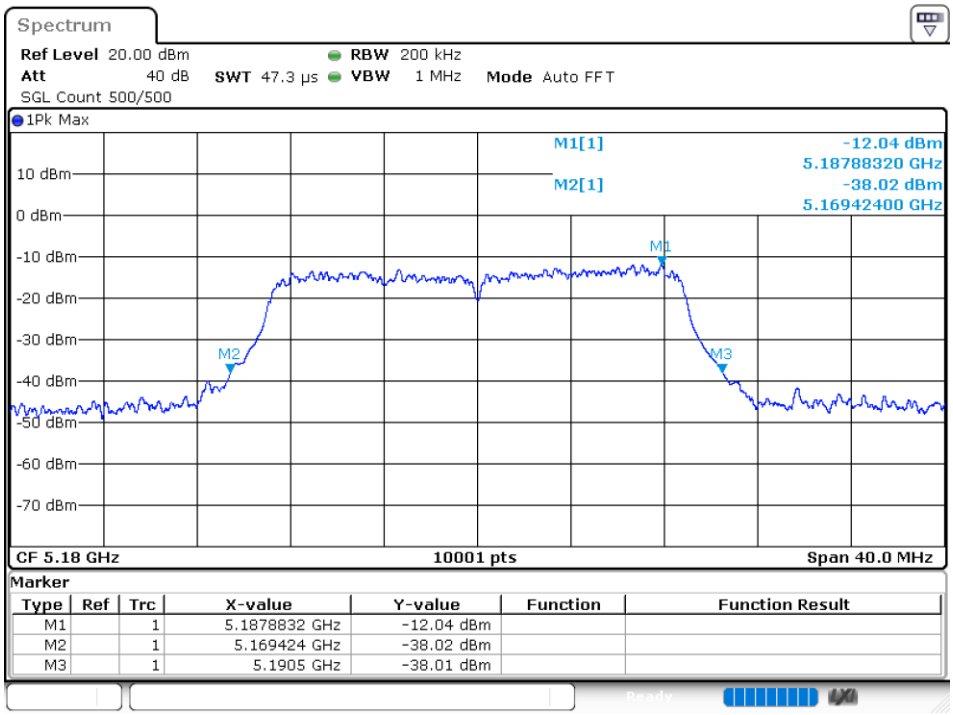
-26 dB BW NVNT 802.11ac80 5210MHz Ant1



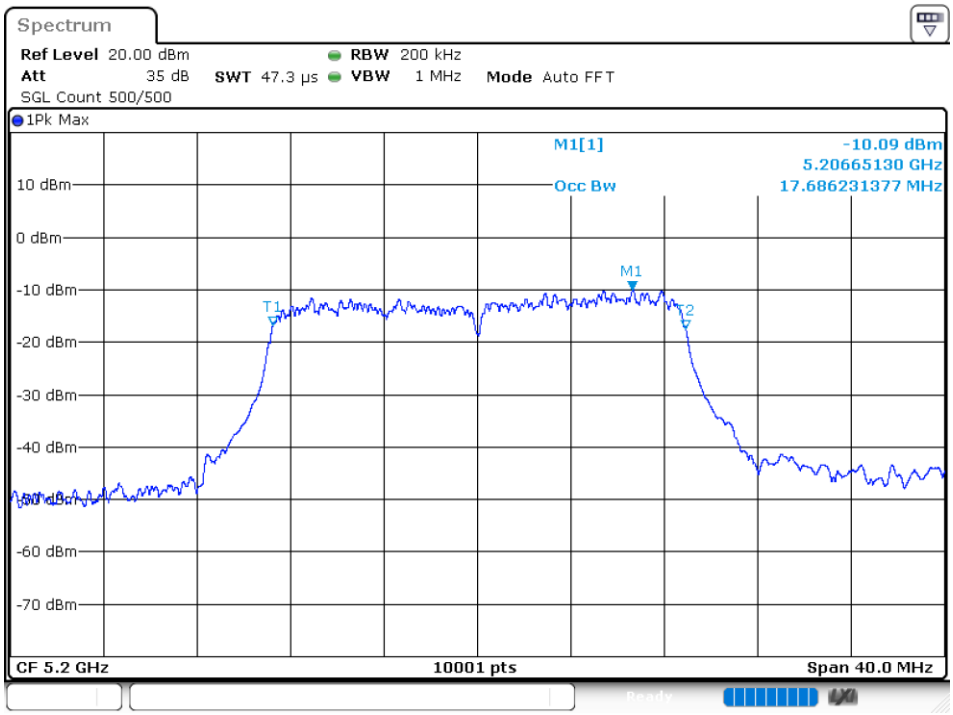
OBW NVNT 802.11n(HT20) 5180MHz Ant1



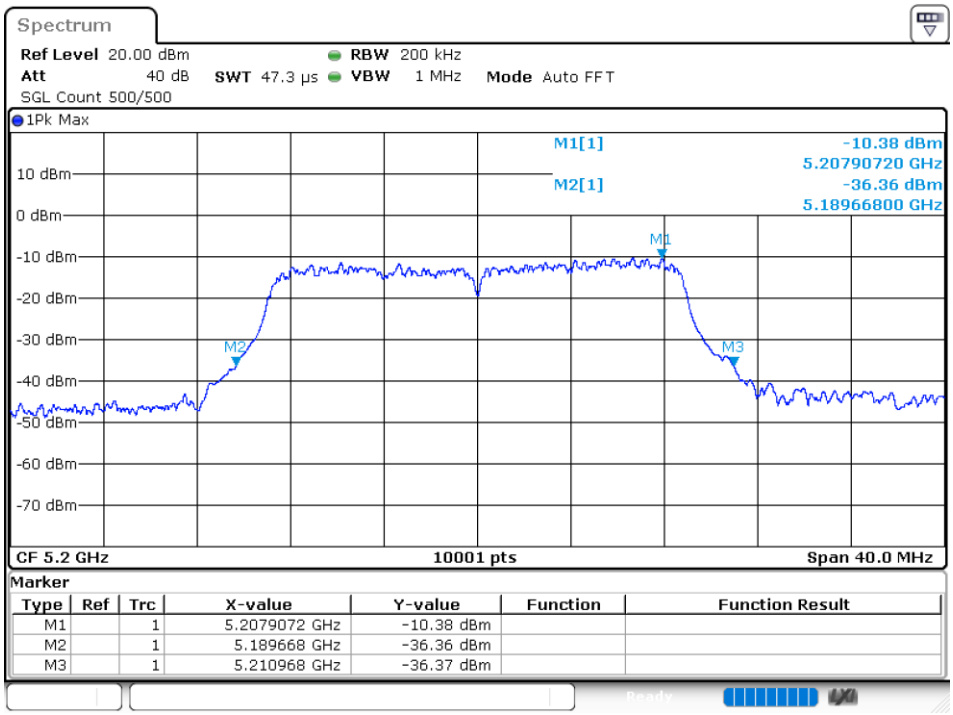
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant1



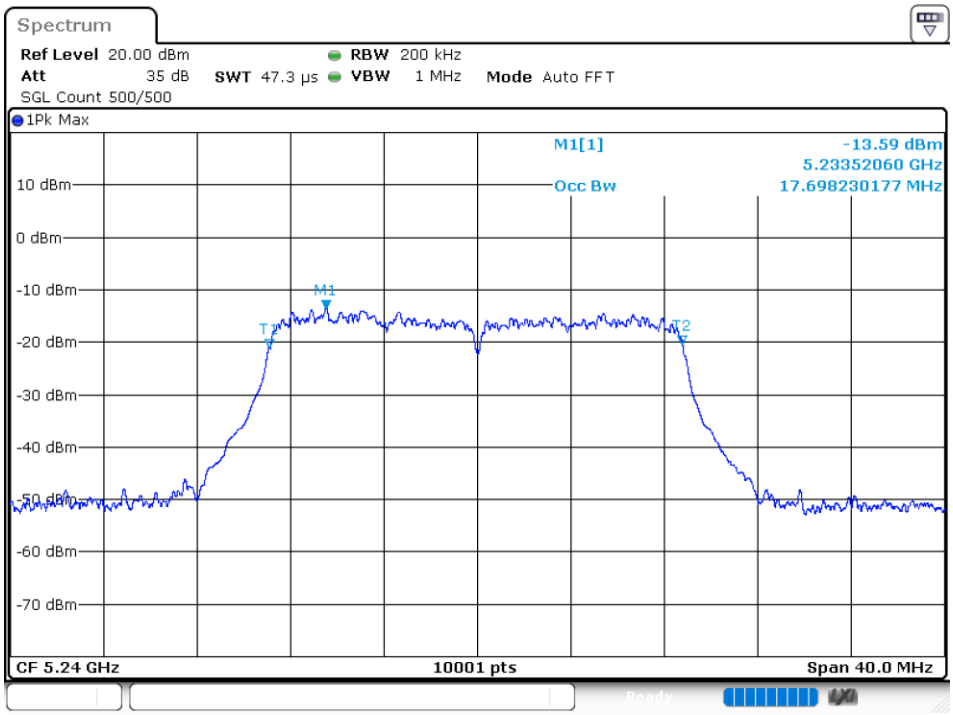
OBW NVNT 802.11n(HT20) 5200MHz Ant1



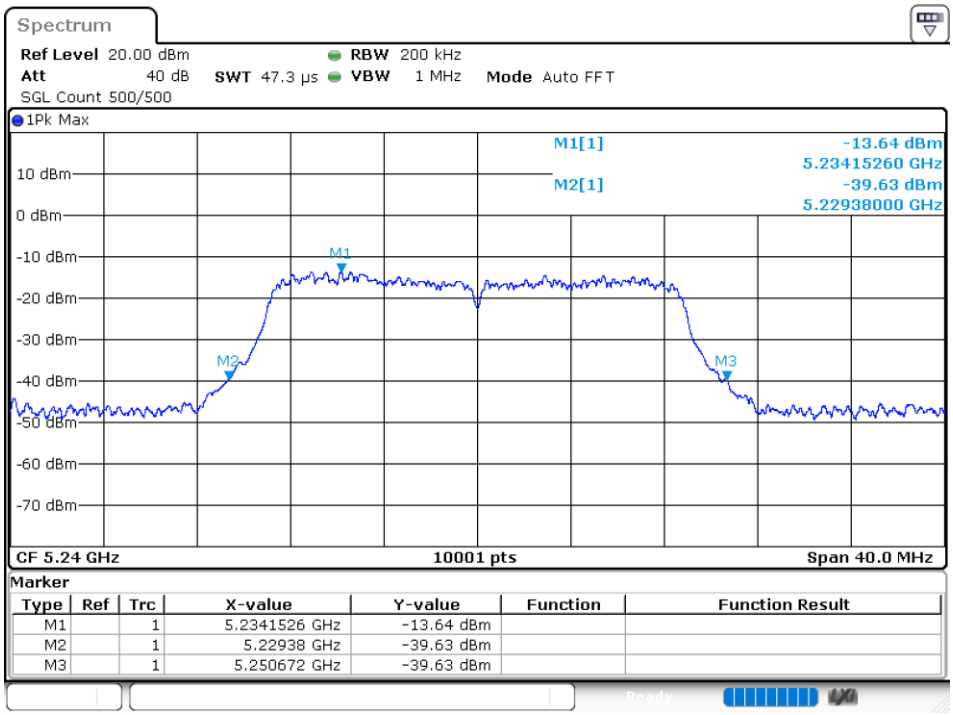
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant1



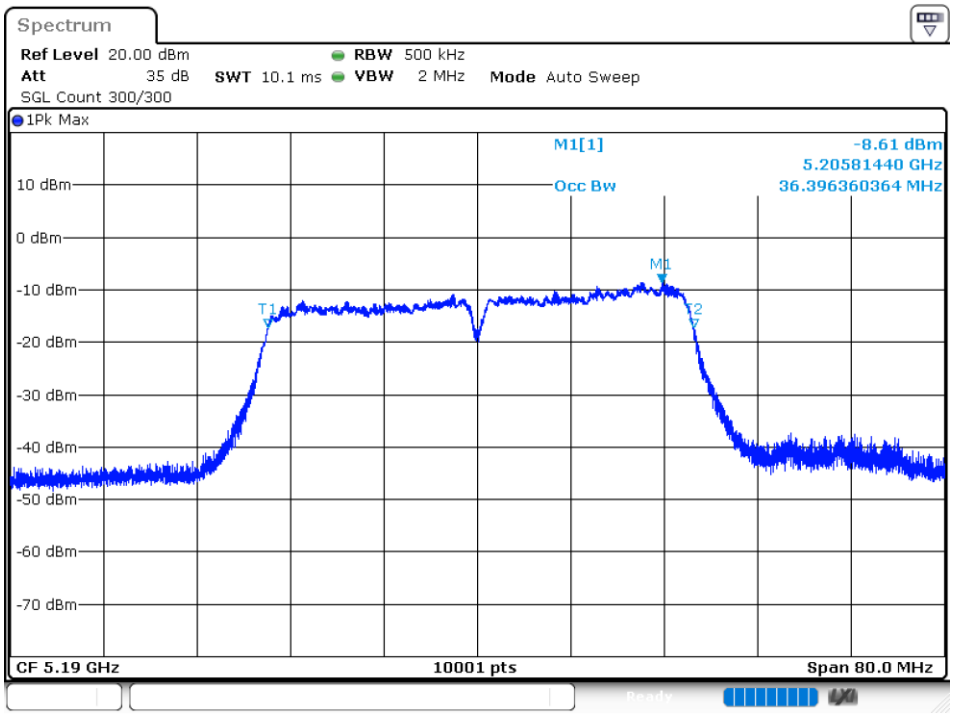
OBW NVNT 802.11n(HT20) 5240MHz Ant1



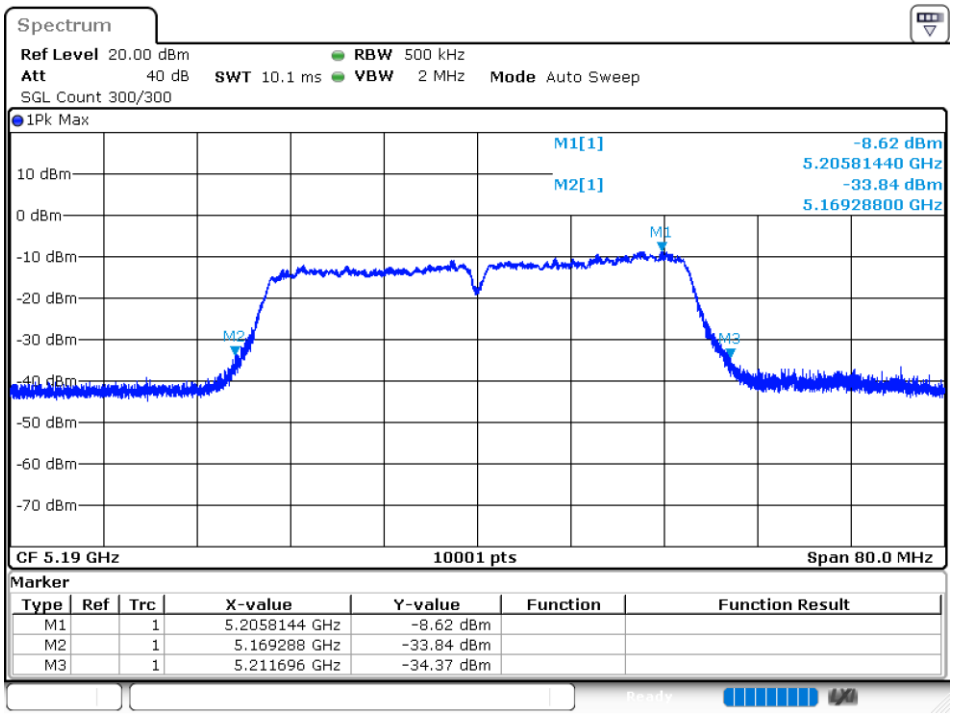
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant1



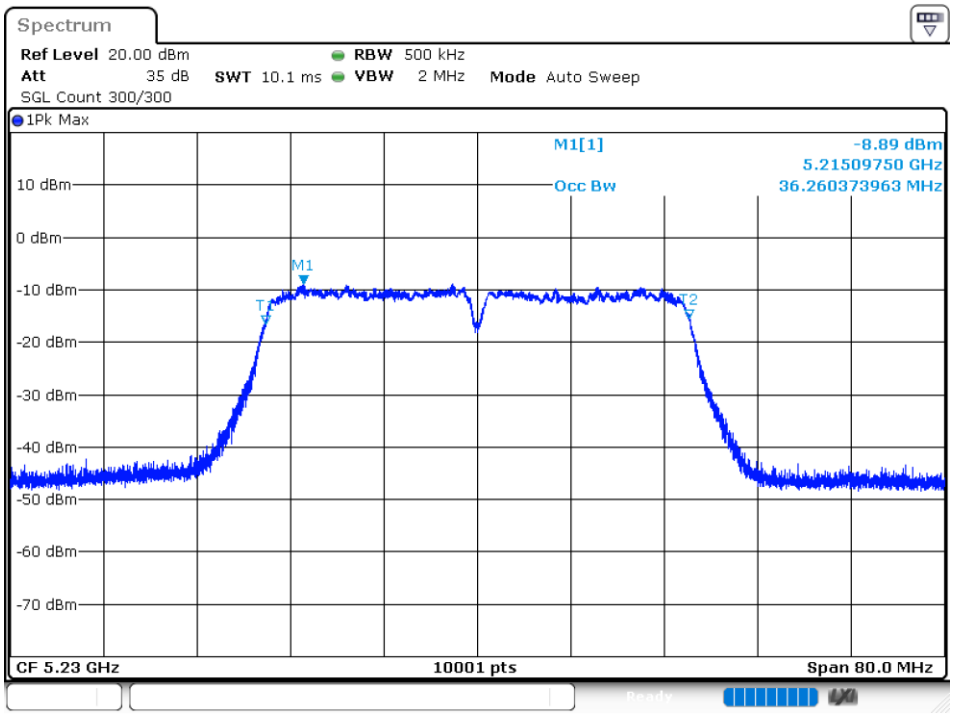
OBW NVNT 802.11n(HT40) 5190MHz Ant1



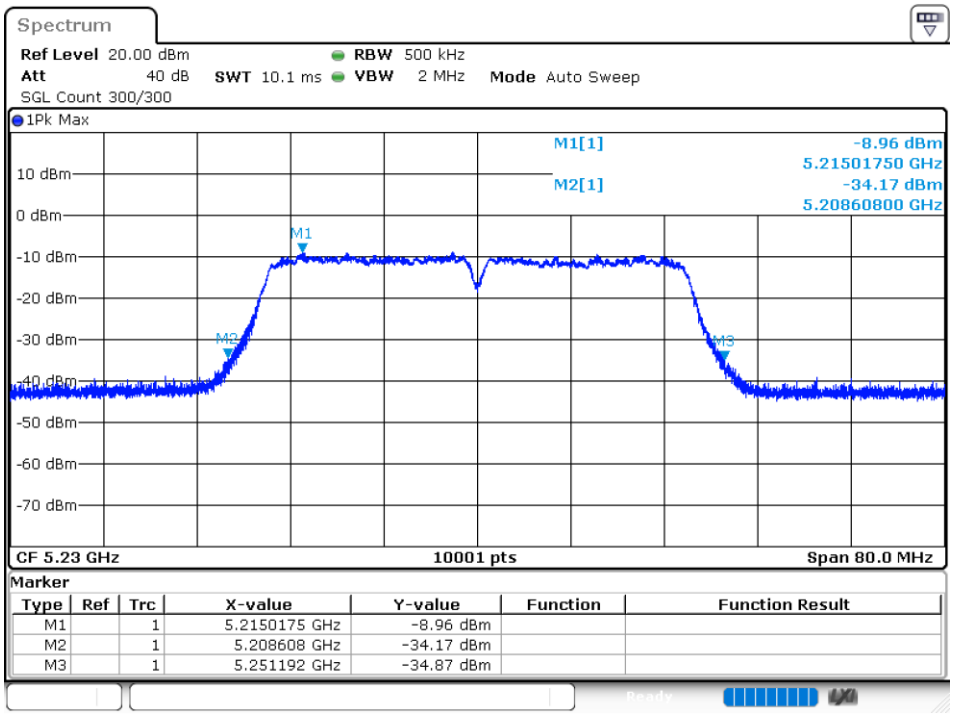
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant1



OBW NVNT 802.11n(HT40) 5230MHz Ant1



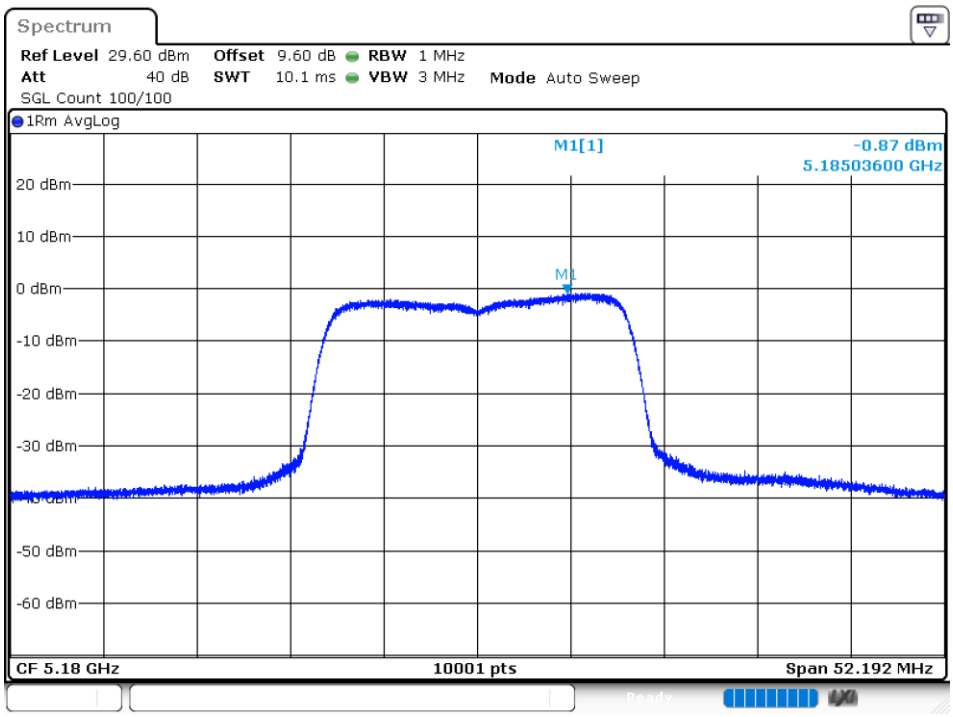
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant1



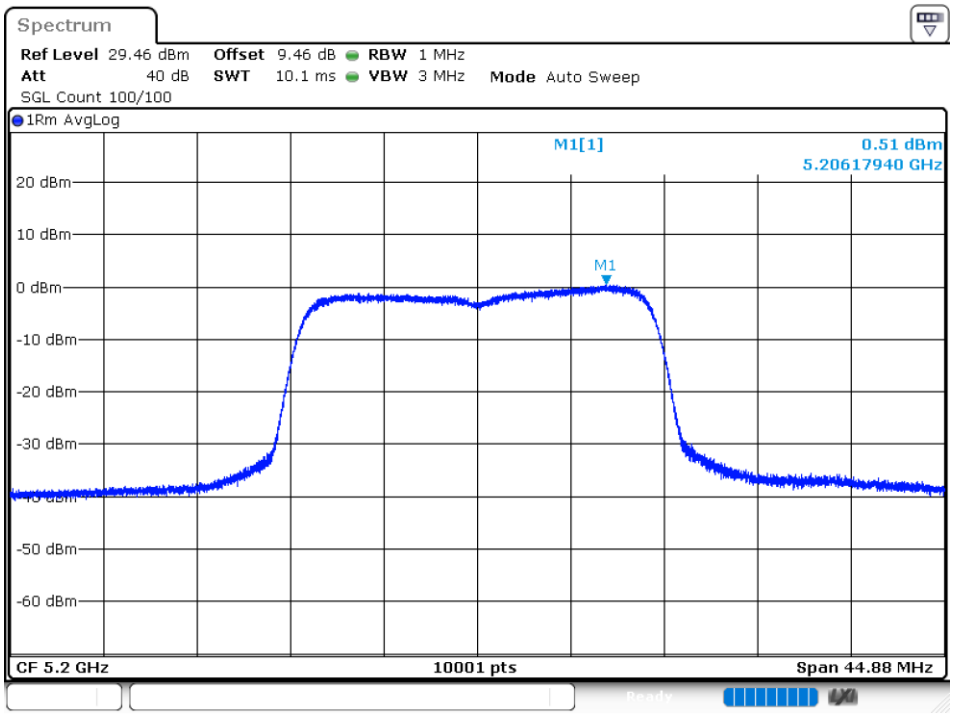
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-0.867	11	Pass
NVNT	802.11a	5200	Ant 1	0.512	11	Pass
NVNT	802.11a	5240	Ant 1	-0.704	11	Pass
NVNT	802.11ac20	5180	Ant 1	-3.11	11	Pass
NVNT	802.11ac20	5200	Ant 1	-1.255	11	Pass
NVNT	802.11ac20	5240	Ant 1	-3.293	11	Pass
NVNT	802.11ac40	5190	Ant 1	-3.874	11	Pass
NVNT	802.11ac40	5230	Ant 1	-5.124	11	Pass
NVNT	802.11ac80	5210	Ant 1	-5.765	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-2.579	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-1.039	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-4.823	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-4.294	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-4.646	11	Pass

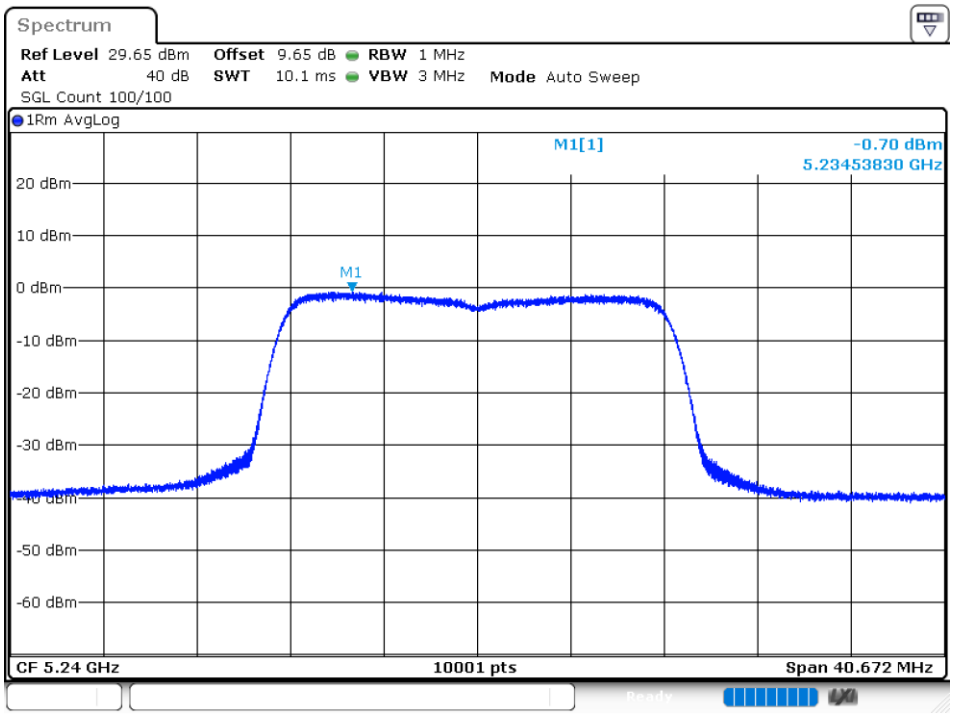
PSD NVNT 802.11a 5180MHz Ant1



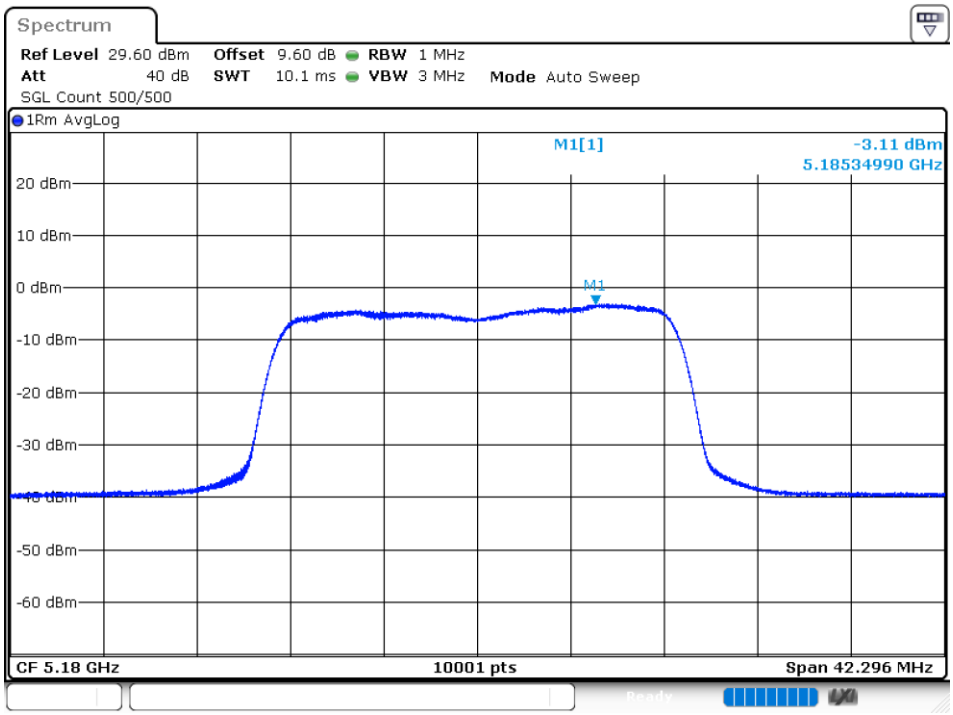
PSD NVNT 802.11a 5200MHz Ant1



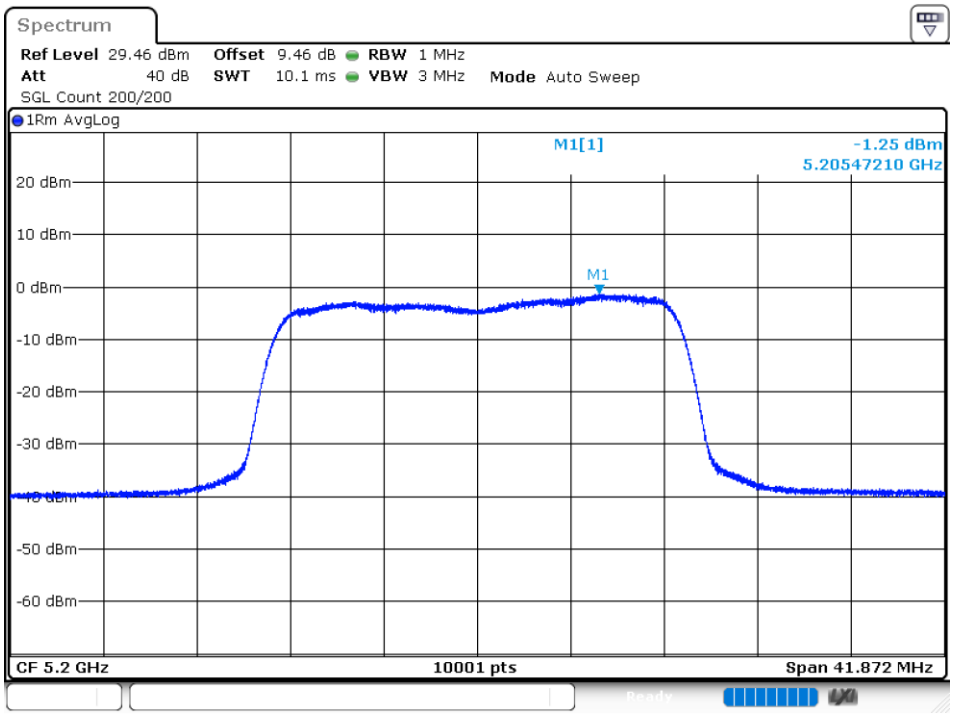
PSD NVNT 802.11a 5240MHz Ant1



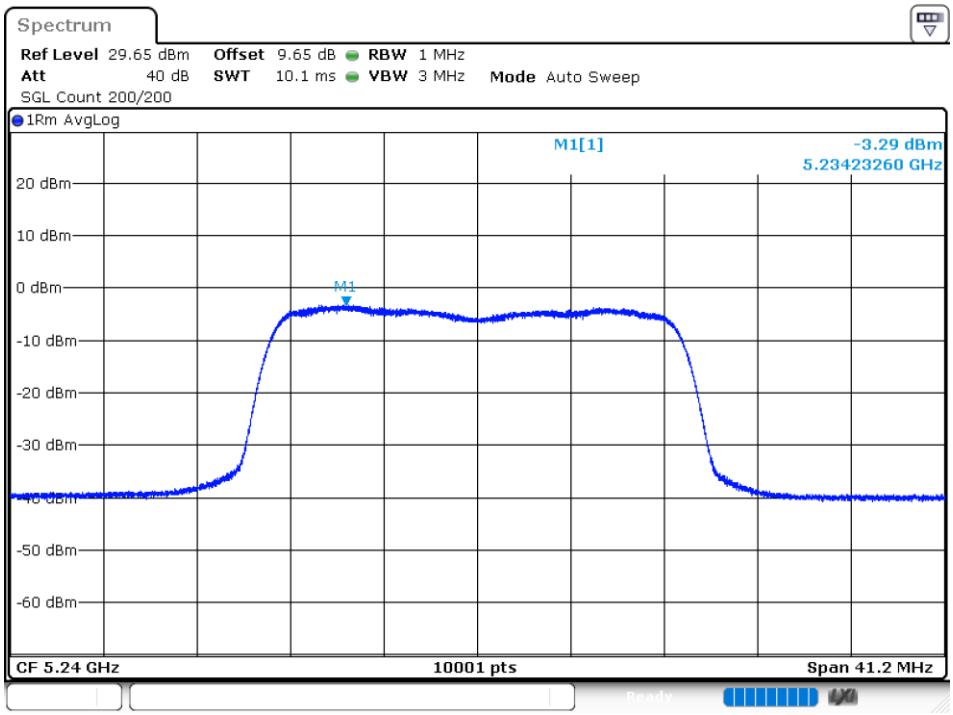
PSD NVNT 802.11ac20 5180MHz Ant1



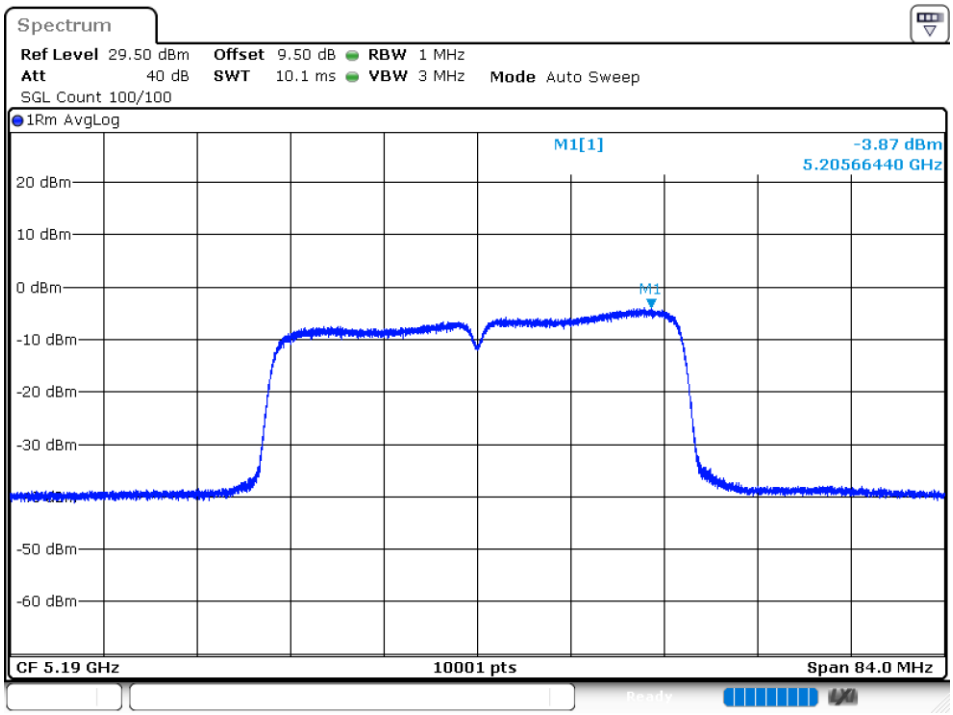
PSD NVNT 802.11ac20 5200MHz Ant1



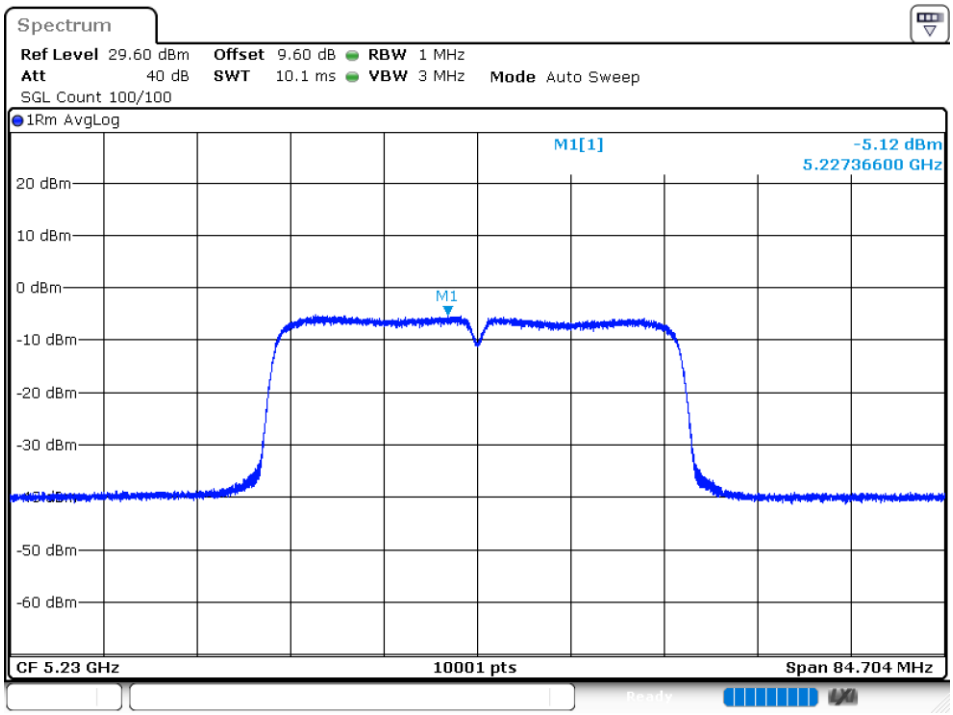
PSD NVNT 802.11ac20 5240MHz Ant1



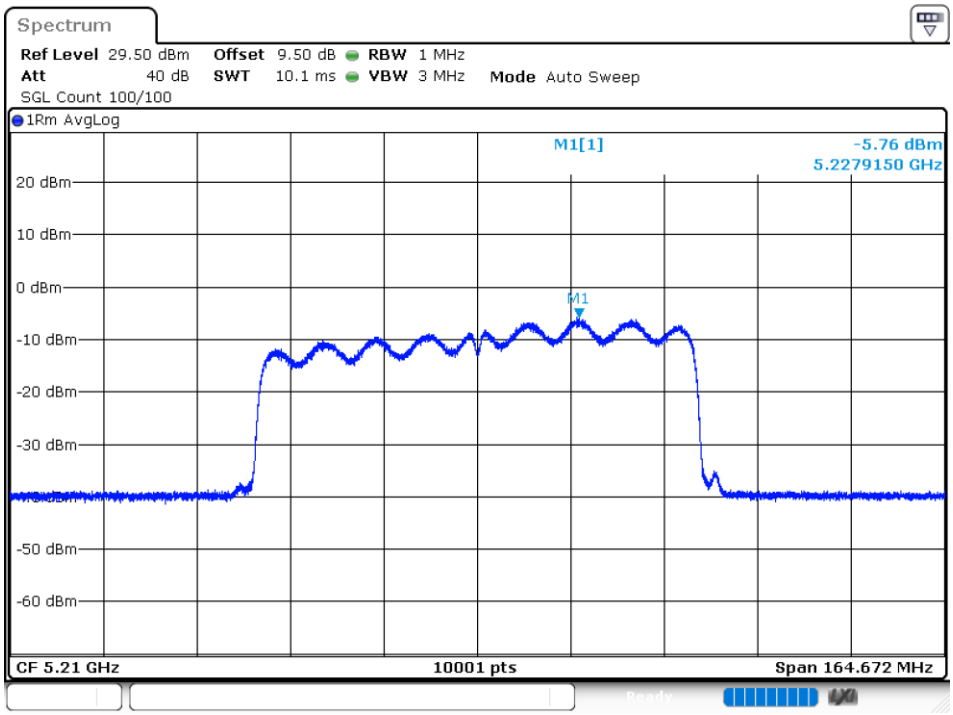
PSD NVNT 802.11ac40 5190MHz Ant1



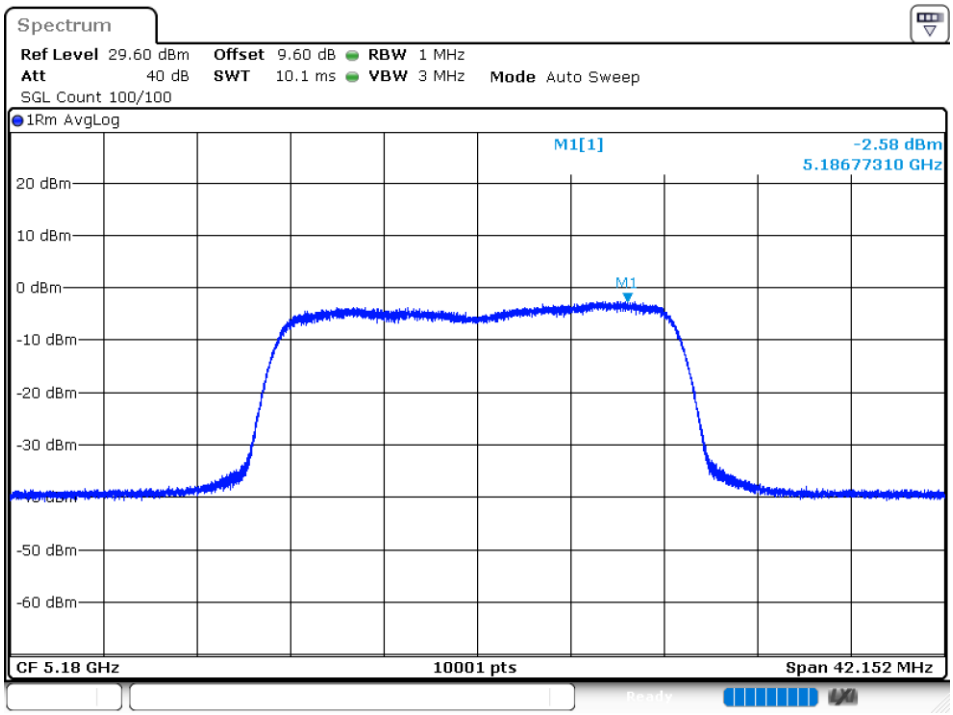
PSD NVNT 802.11ac40 5230MHz Ant1



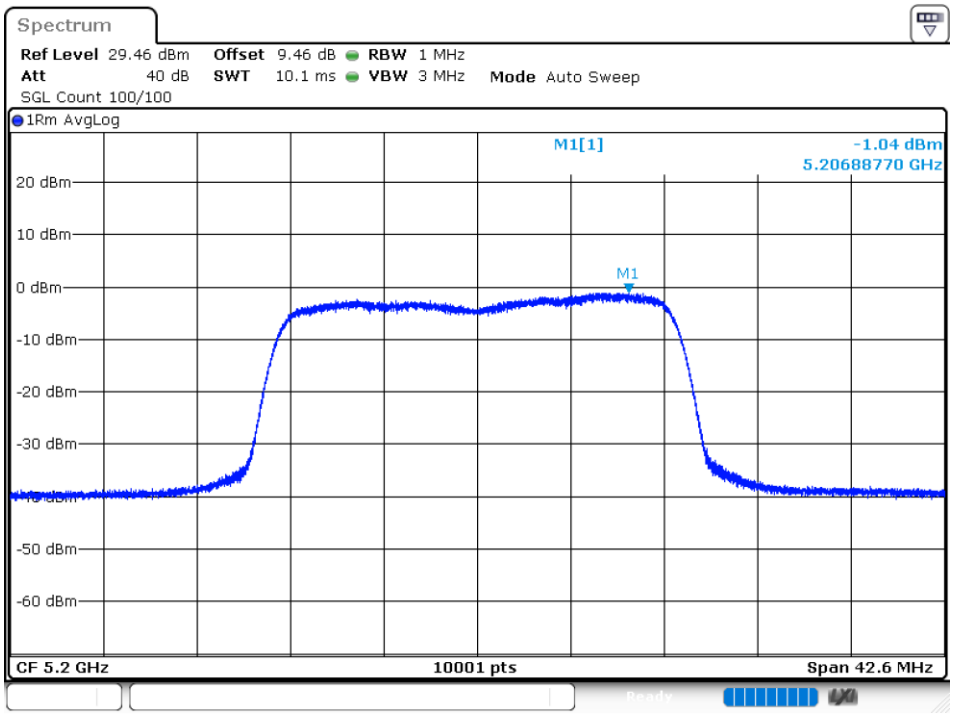
PSD NVNT 802.11ac80 5210MHz Ant1



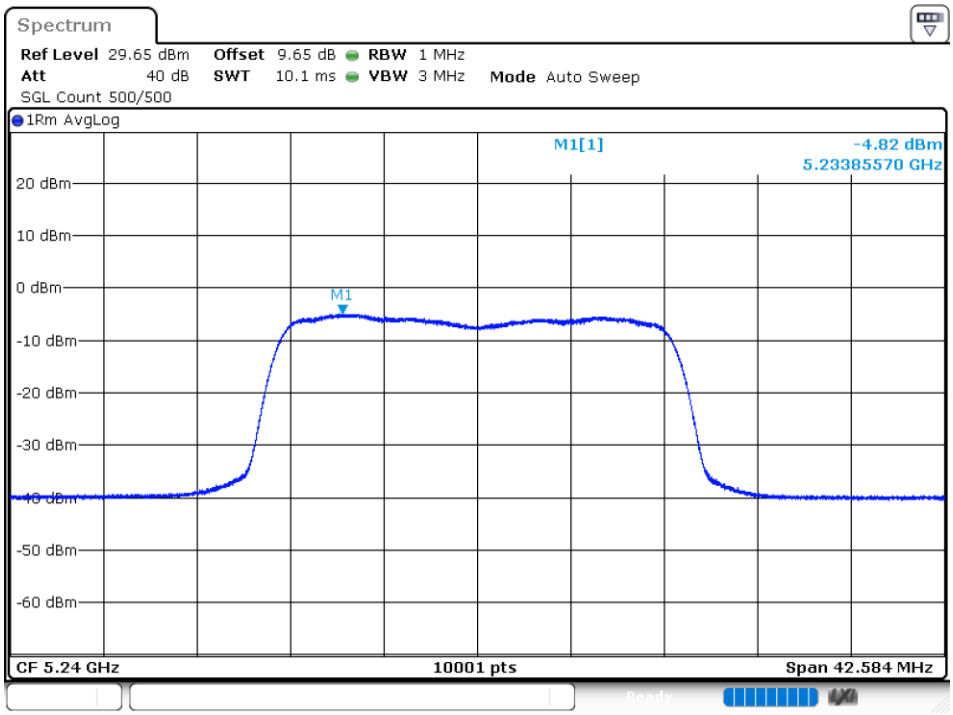
PSD NVNT 802.11n(HT20) 5180MHz Ant1



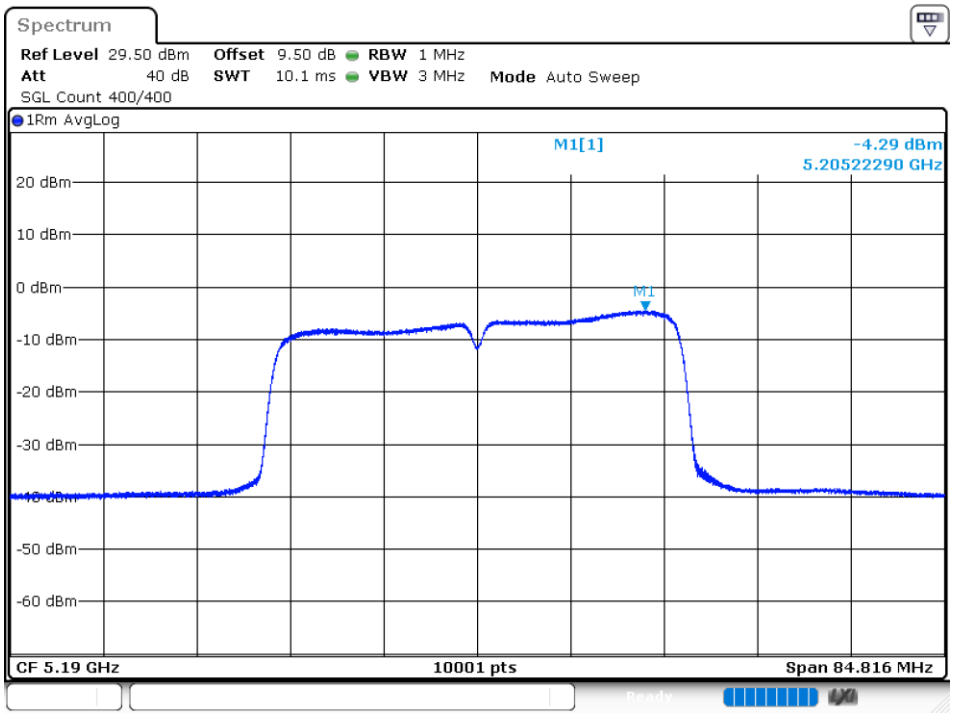
PSD NVNT 802.11n(HT20) 5200MHz Ant1



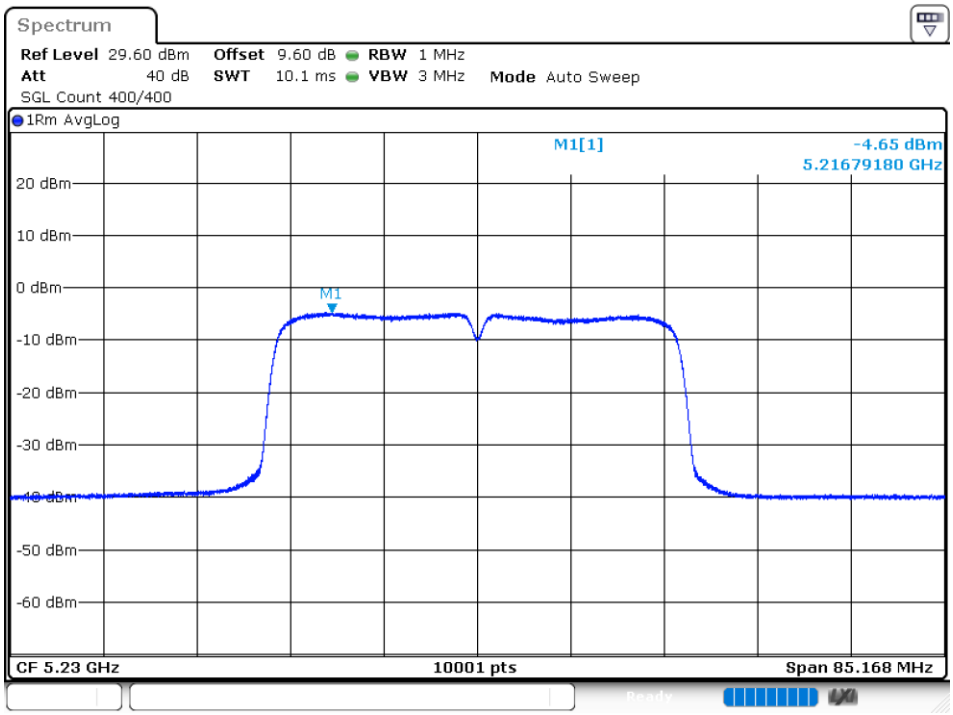
PSD NVNT 802.11n(HT20) 5240MHz Ant1



PSD NVNT 802.11n(HT40) 5190MHz Ant1



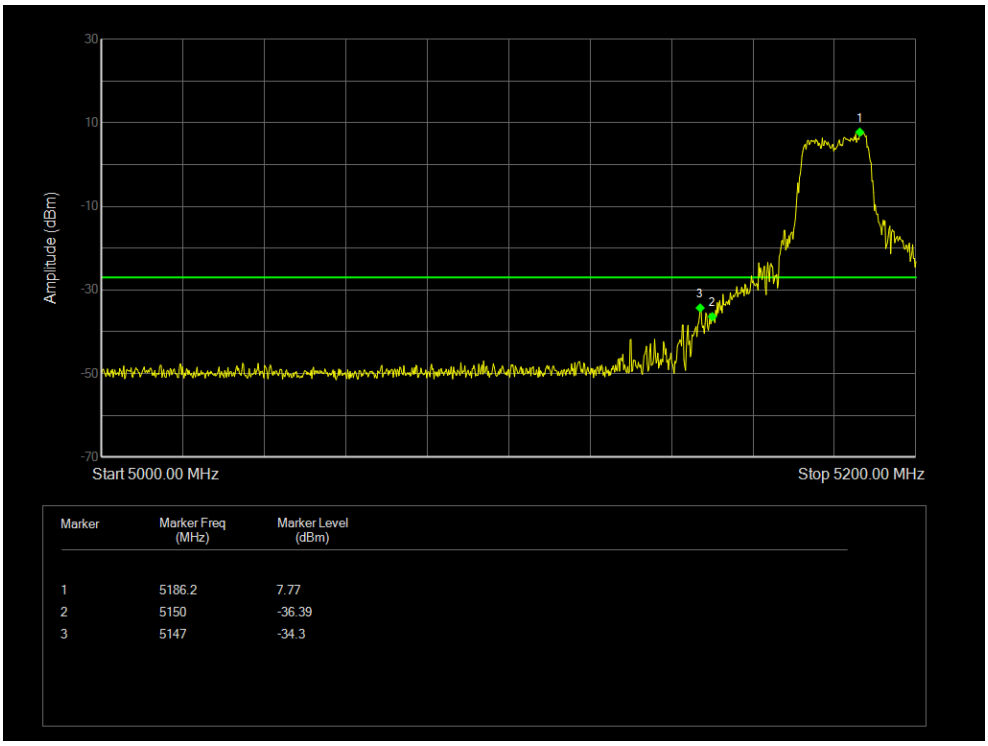
PSD NVNT 802.11n(HT40) 5230MHz Ant1



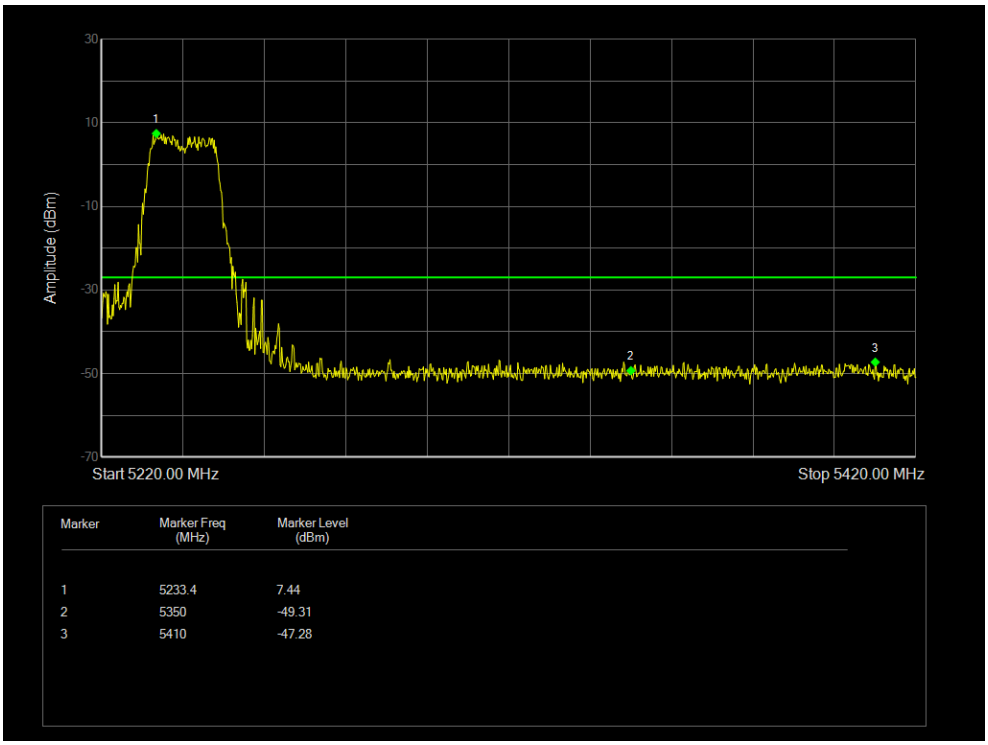
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-34.3	-27	Pass
NVNT	802.11a	5240	Ant 1	-47.28	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-37.61	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-46.03	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-35.97	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-46.44	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-46.5	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-36.27	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-39.16	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-47.8	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-37.5	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-46.32	-27	Pass

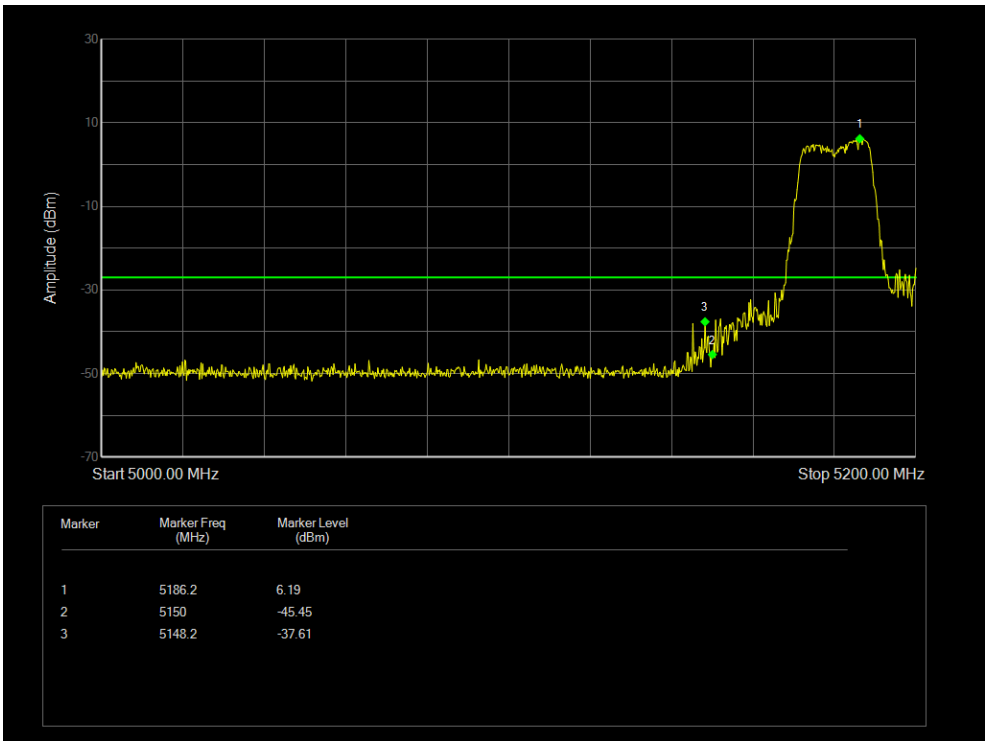
Band Edge NVNT 802.11a 5180MHz Low Ant1



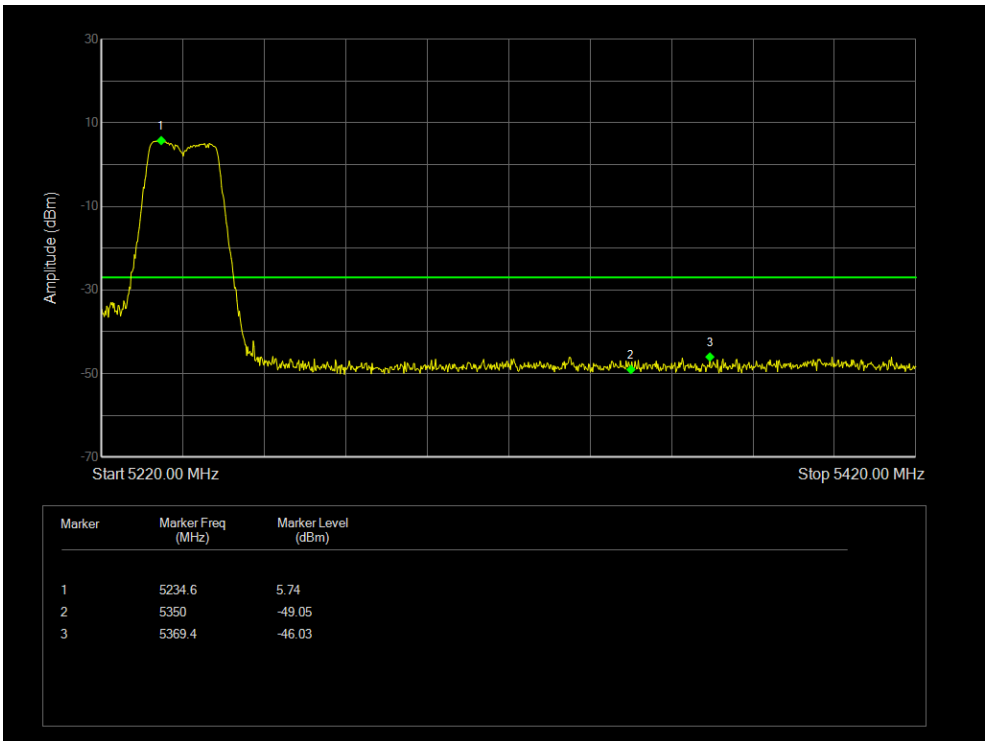
Band Edge NVNT 802.11a 5240MHz High Ant1



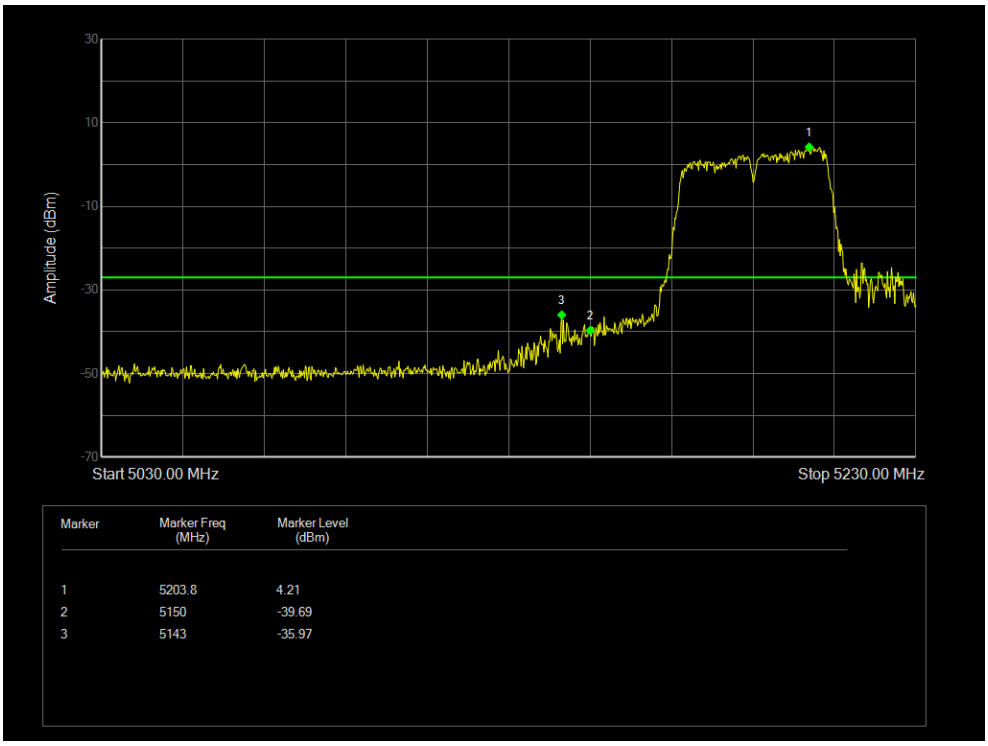
Band Edge NVNT 802.11ac20 5180MHz Low Ant1



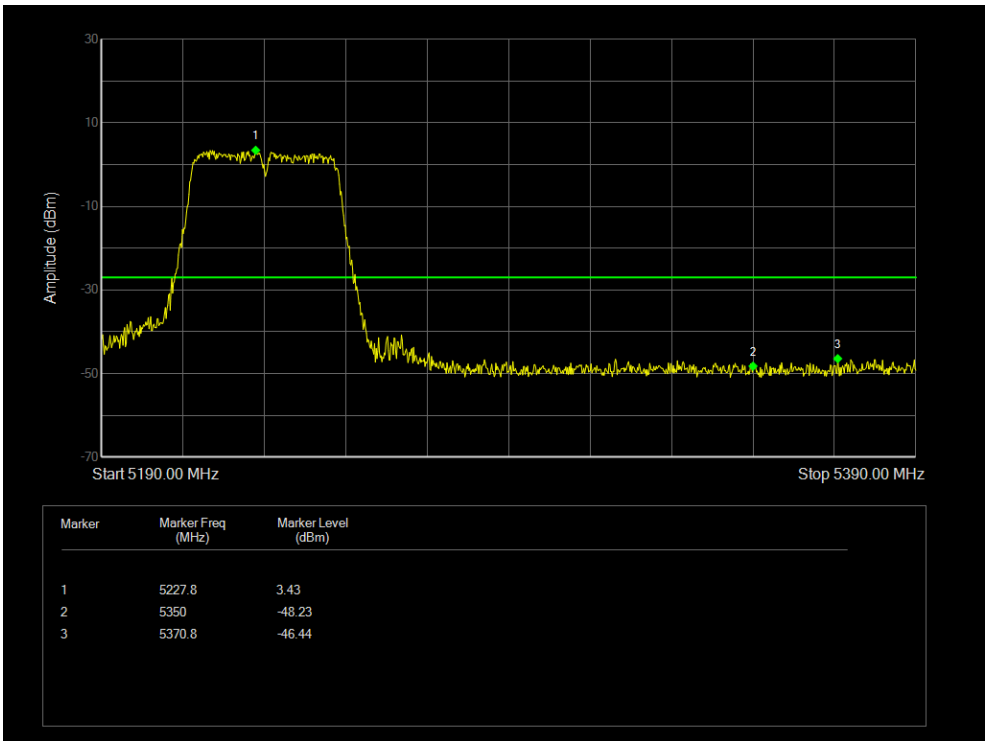
Band Edge NVNT 802.11ac20 5240MHz High Ant1



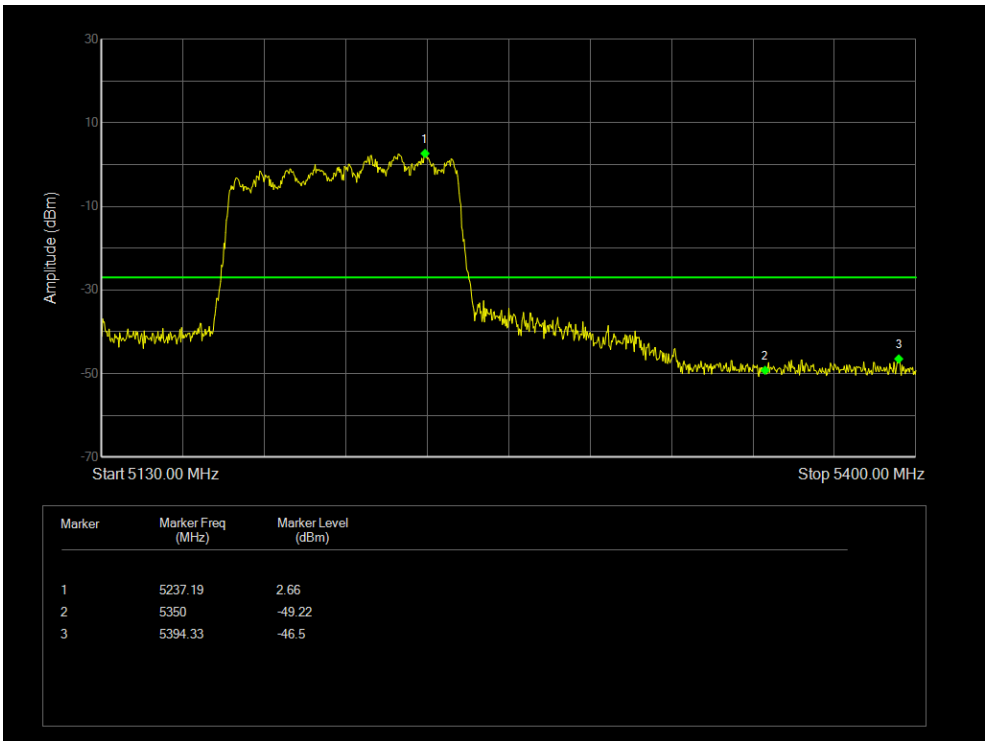
Band Edge NVNT 802.11ac40 5190MHz Low Ant1



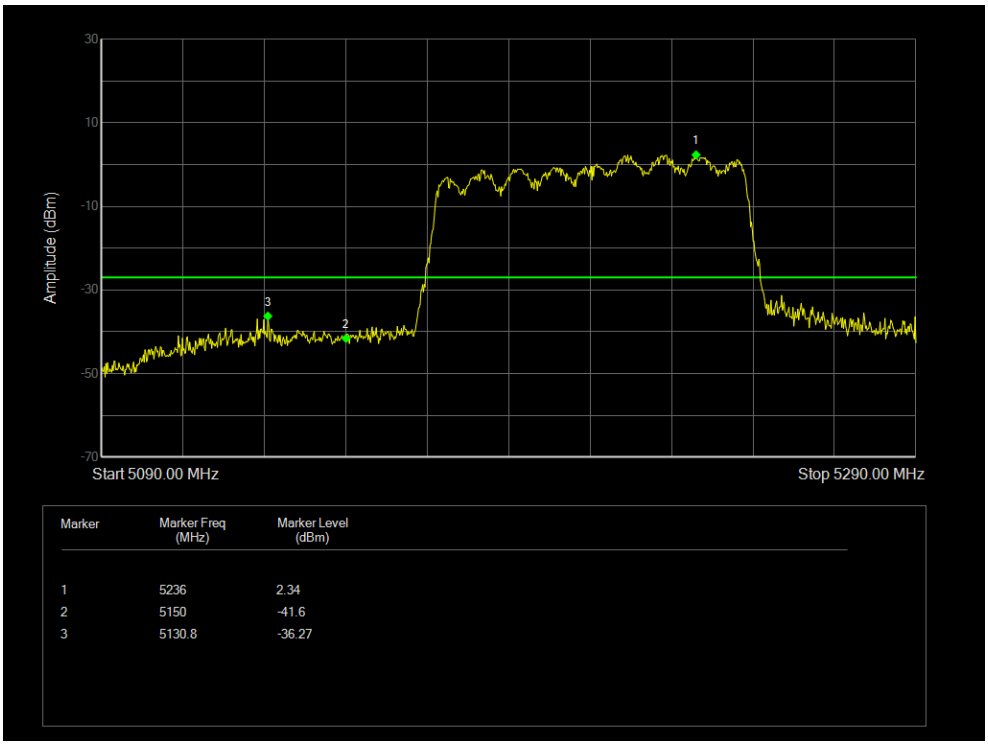
Band Edge NVNT 802.11ac40 5230MHz High Ant1



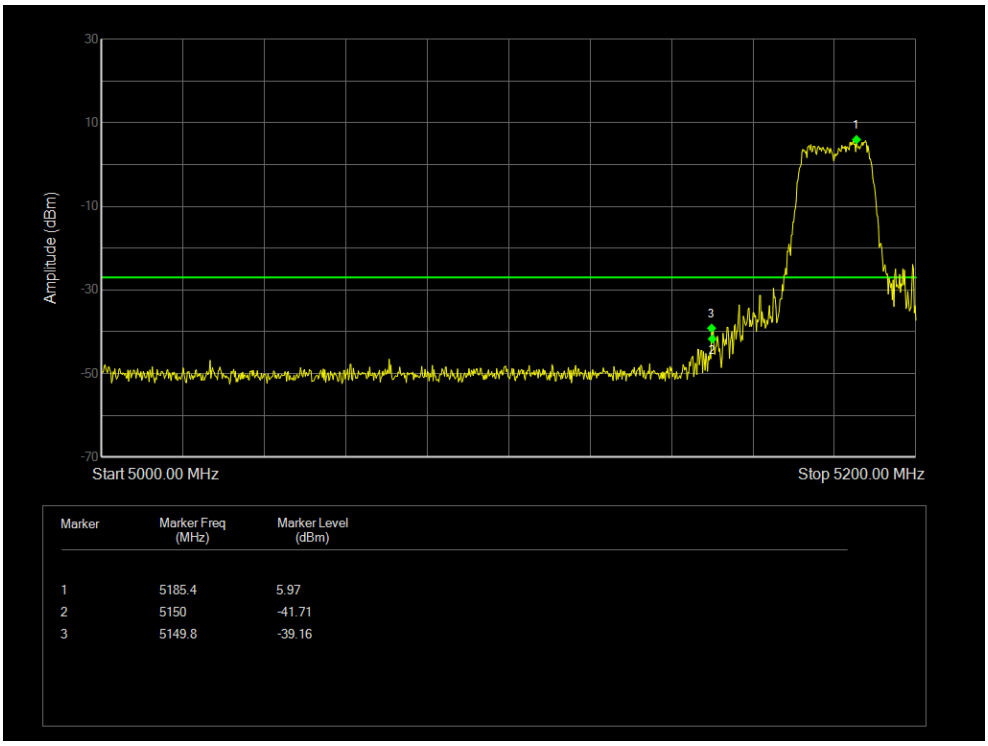
Band Edge NVNT 802.11ac80 5210MHz High Ant1



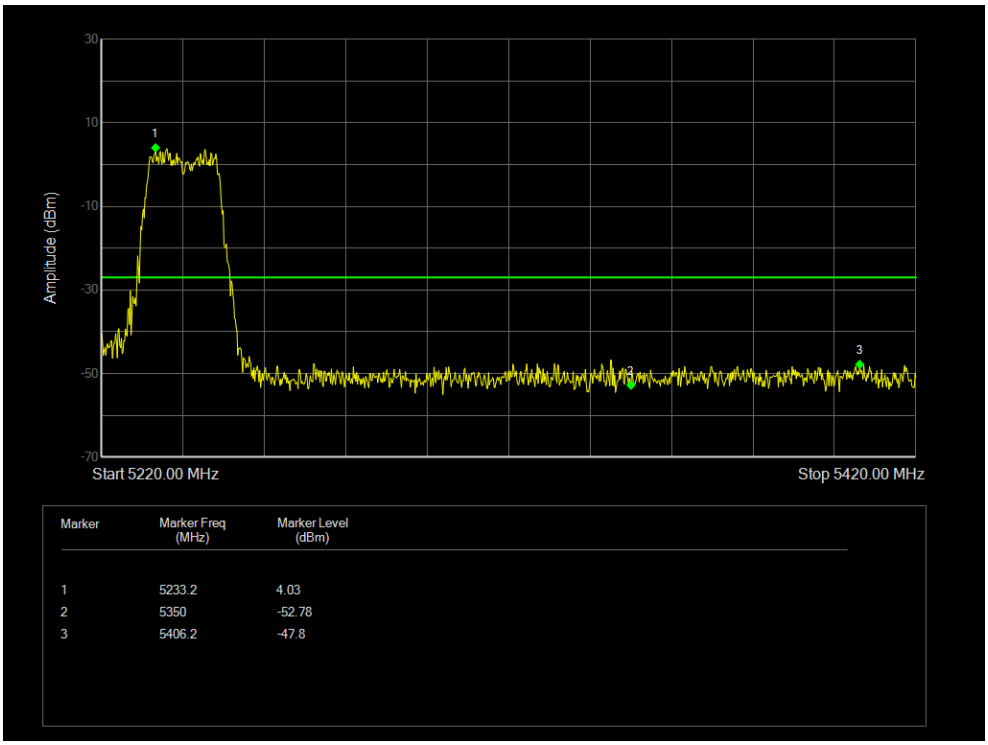
Band Edge NVNT 802.11ac80 5210MHz Low Ant1



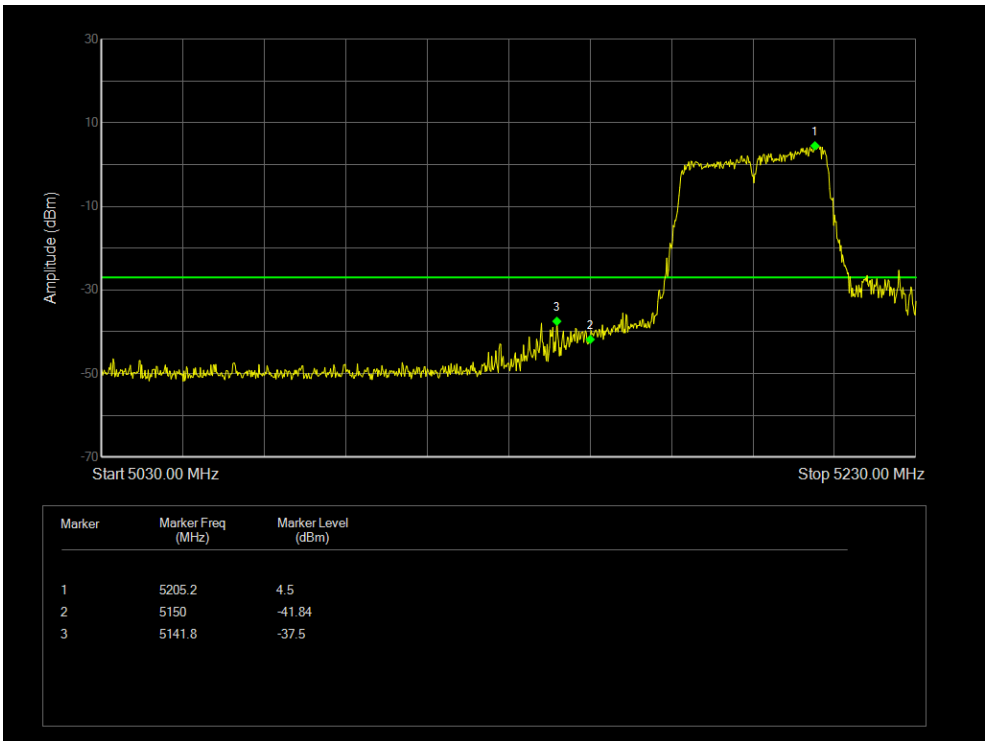
Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant1



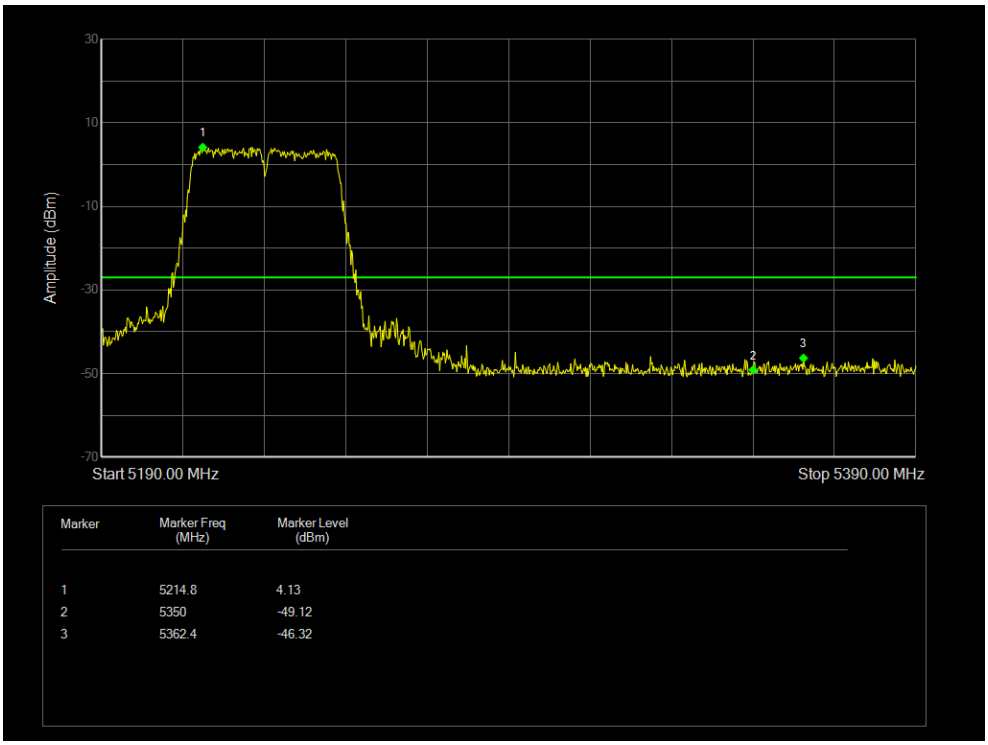
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant1



Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant1



Band Edge NVNT 802.11n(HT40) 5230MHz High Ant1

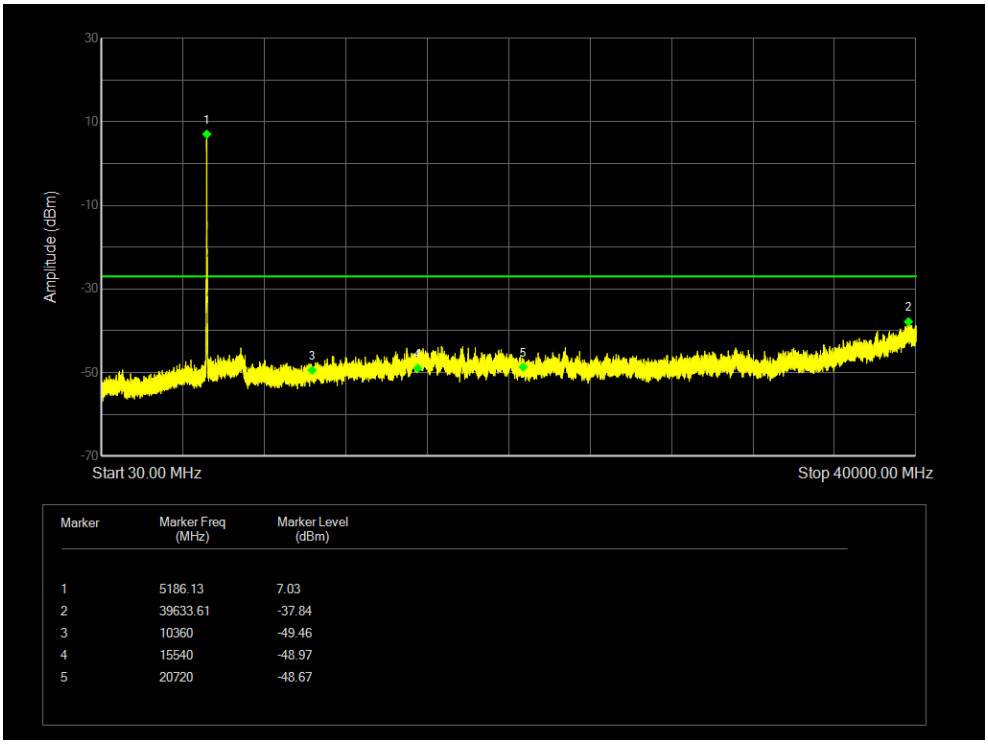


Conducted RF Spurious Emission

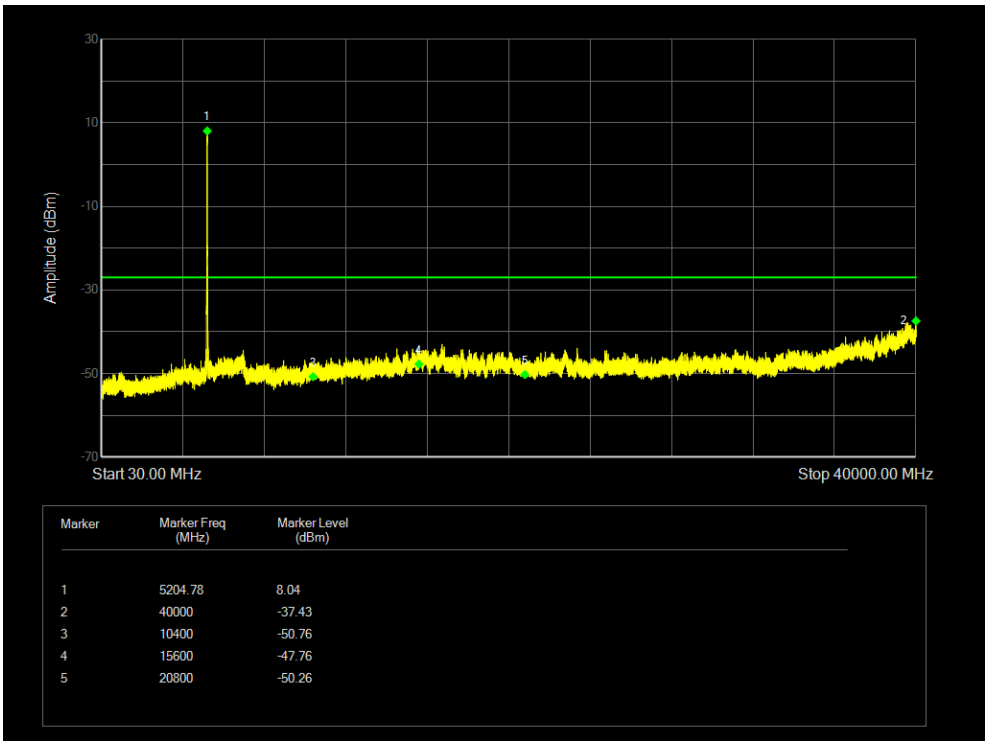
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-37.84	-27	Pass
NVNT	802.11a	5200	Ant 1	-37.43	-27	Pass
NVNT	802.11a	5240	Ant 1	-38.04	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-37.3	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-38.15	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-37.44	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-36.58	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-37.4	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-37.32	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-36.57	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-37.52	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-37.93	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-37.58	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-37.46	-27	Pass

Set RBW=1MHz and VBW= 3MHz to measure the peak field strength

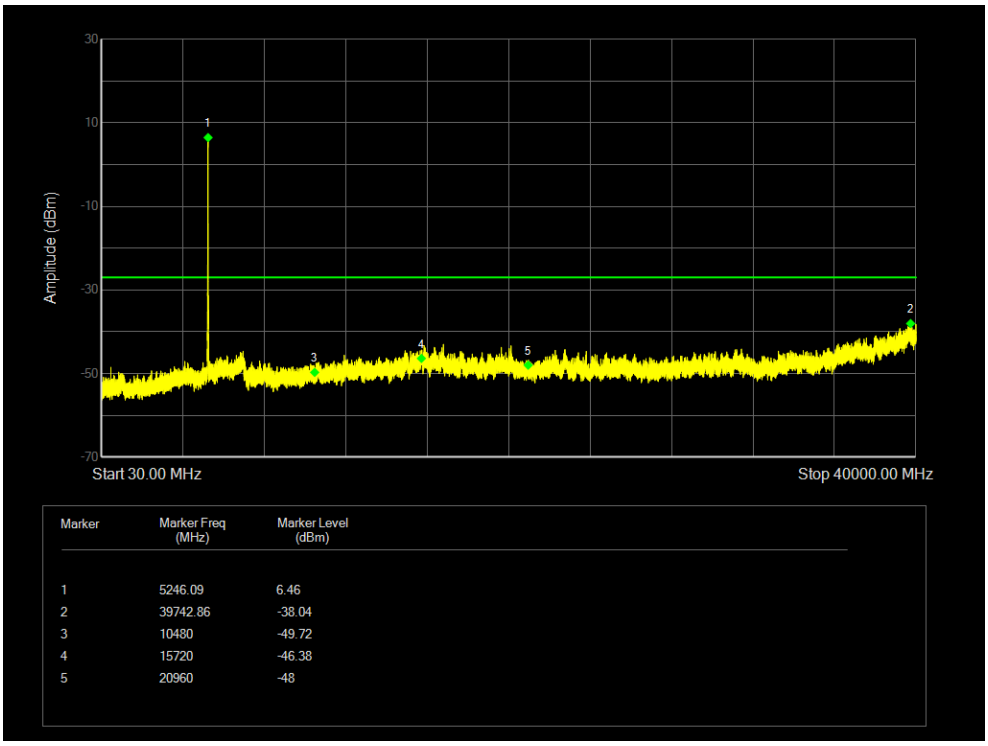
Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



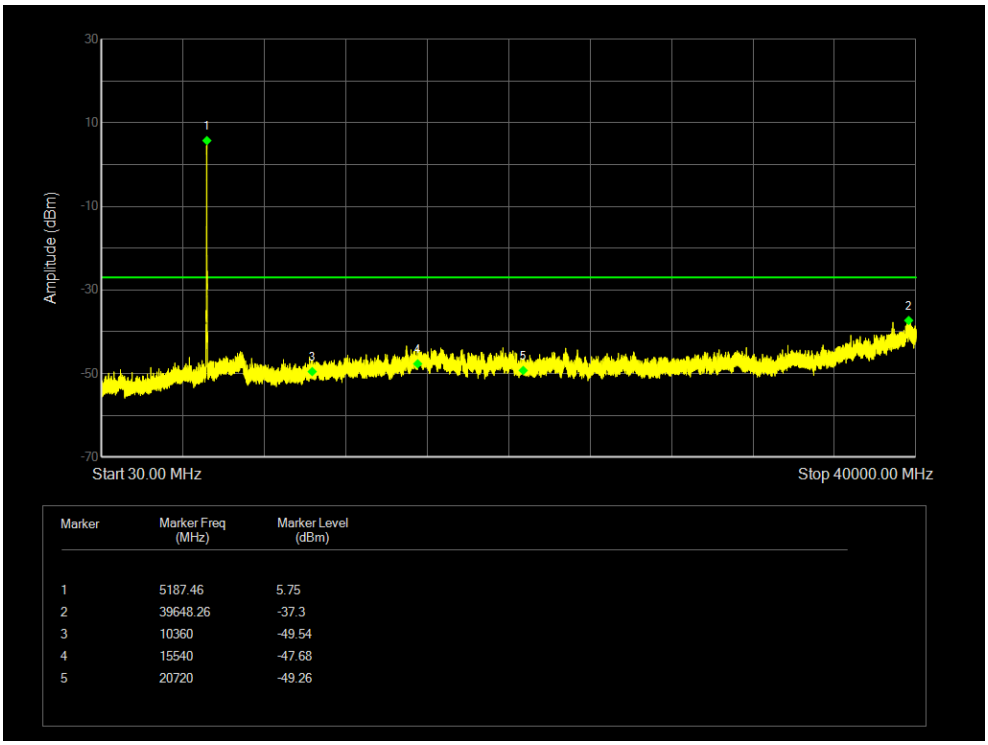
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission



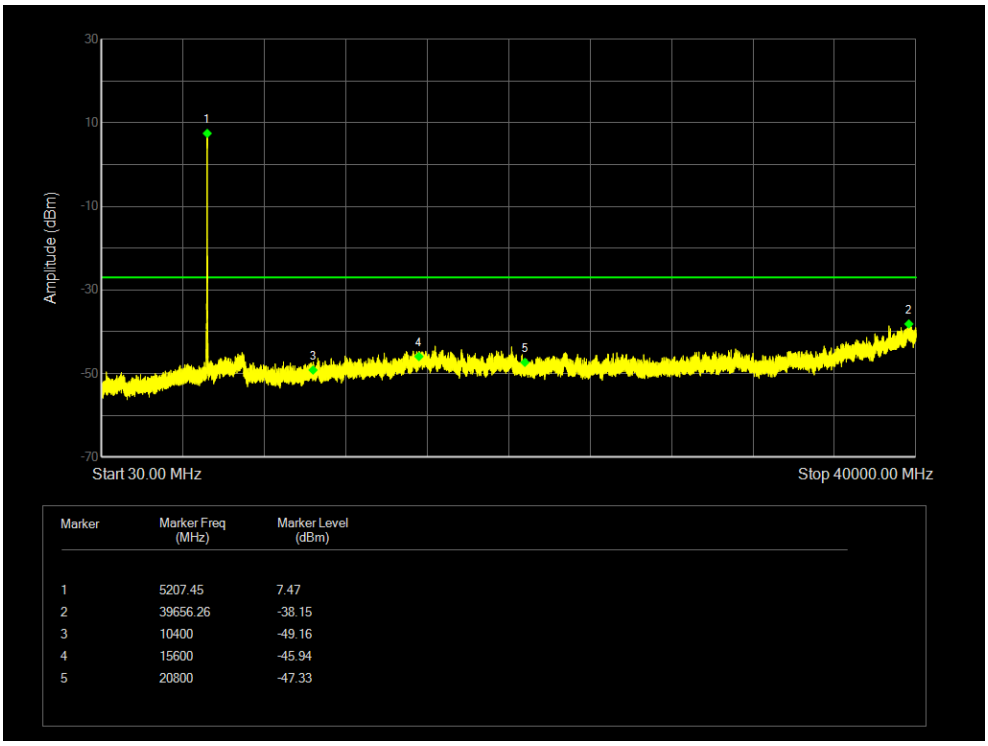
Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission



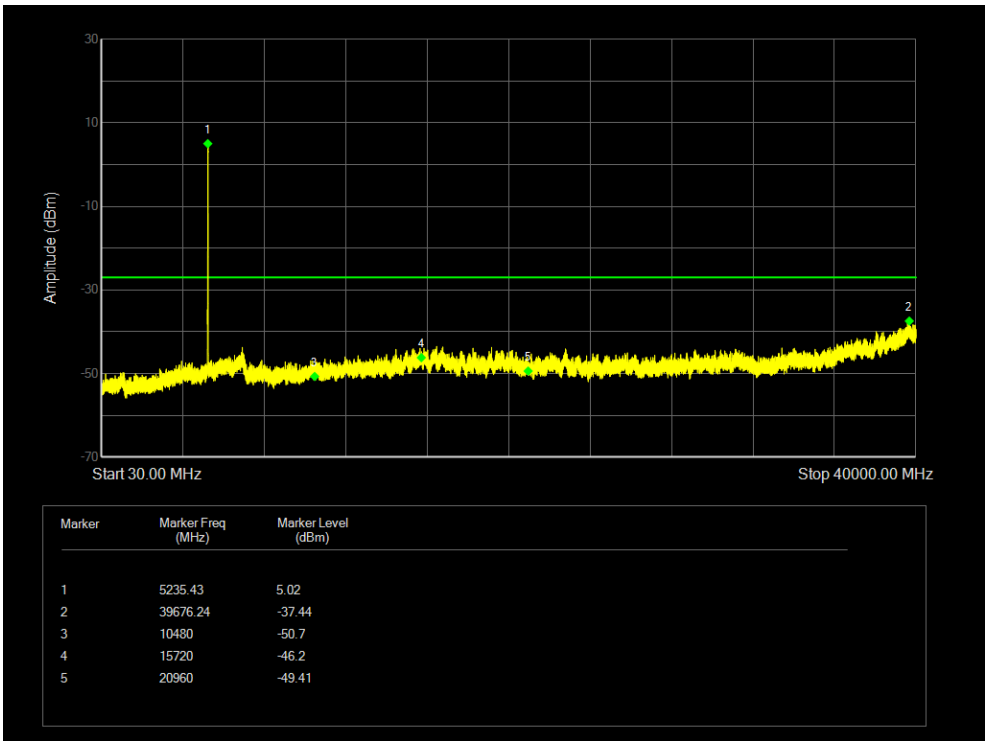
Tx. Spurious NVNT 802.11ac20 5180MHz Ant1 Emission



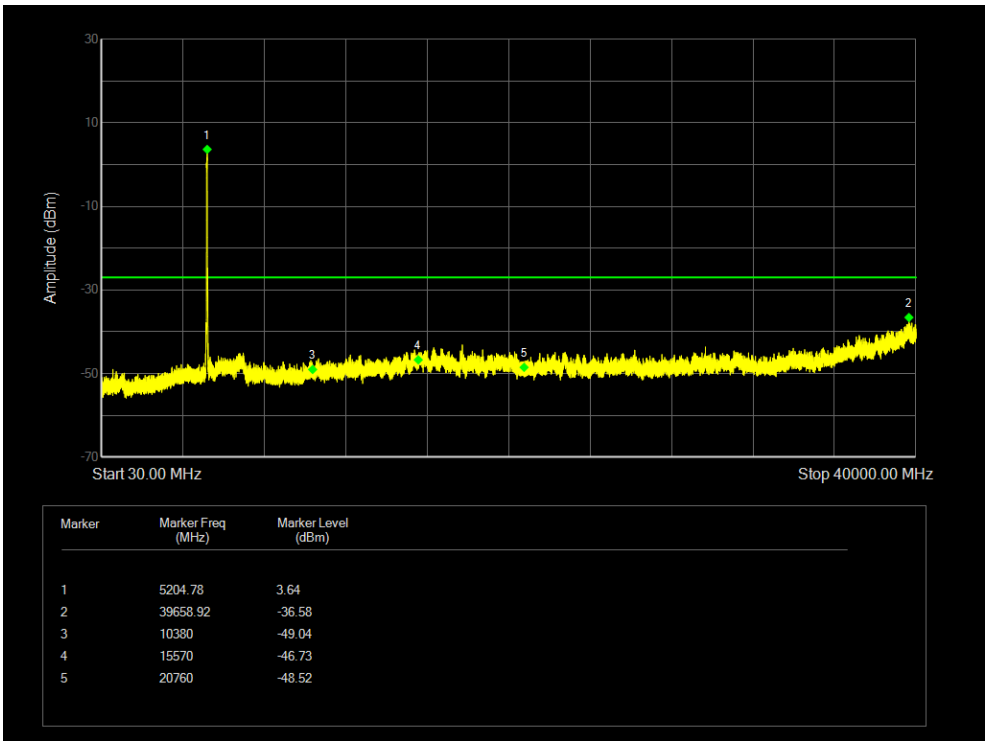
Tx. Spurious NVNT 802.11ac20 5200MHz Ant1 Emission



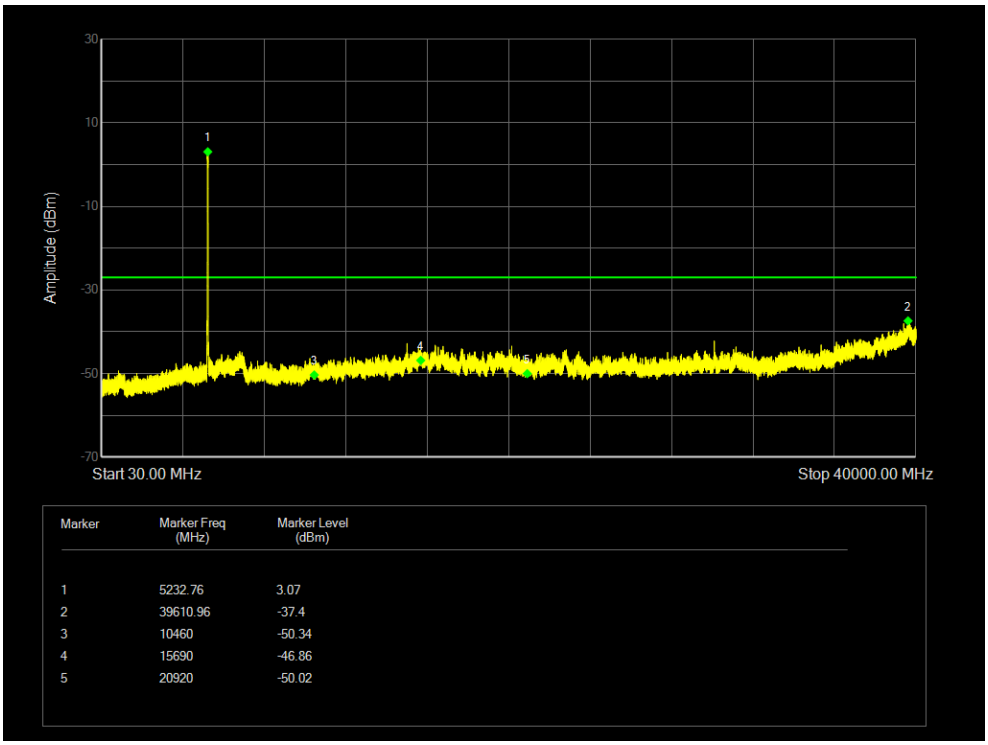
Tx. Spurious NVNT 802.11ac20 5240MHz Ant1 Emission



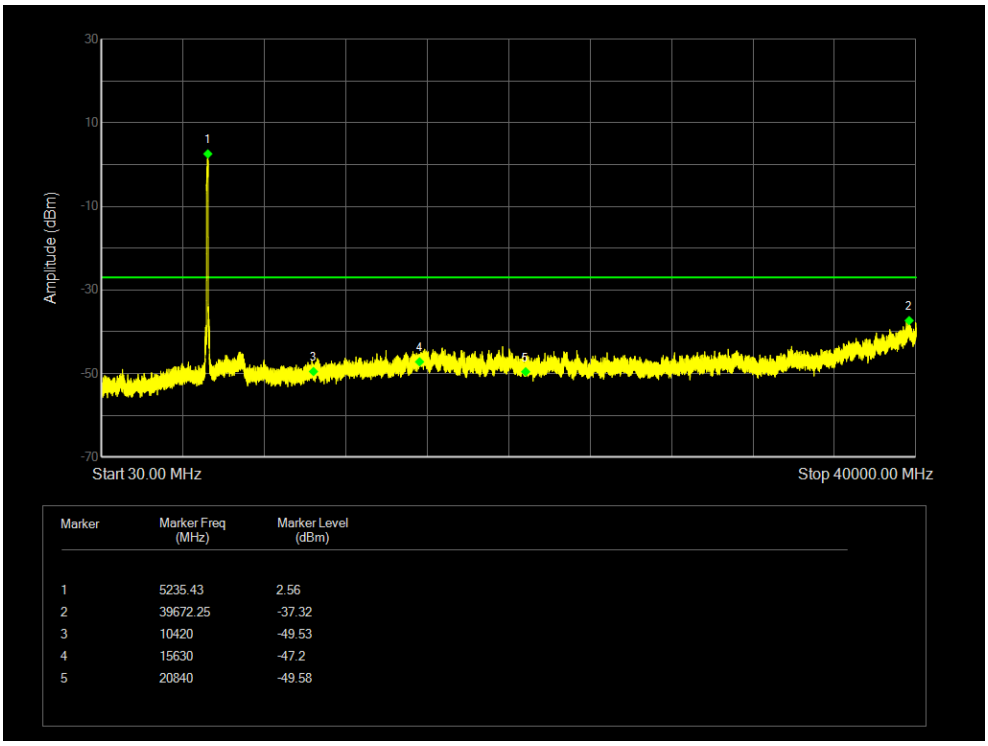
Tx. Spurious NVNT 802.11ac40 5190MHz Ant1 Emission



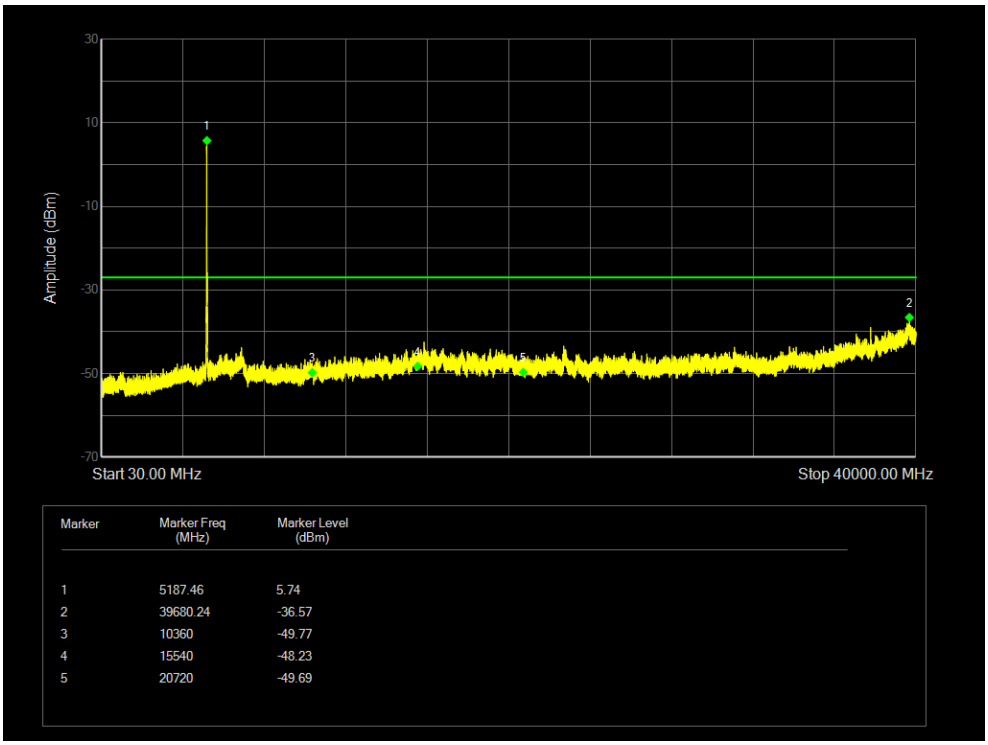
Tx. Spurious NVNT 802.11ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT 802.11ac80 5210MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission



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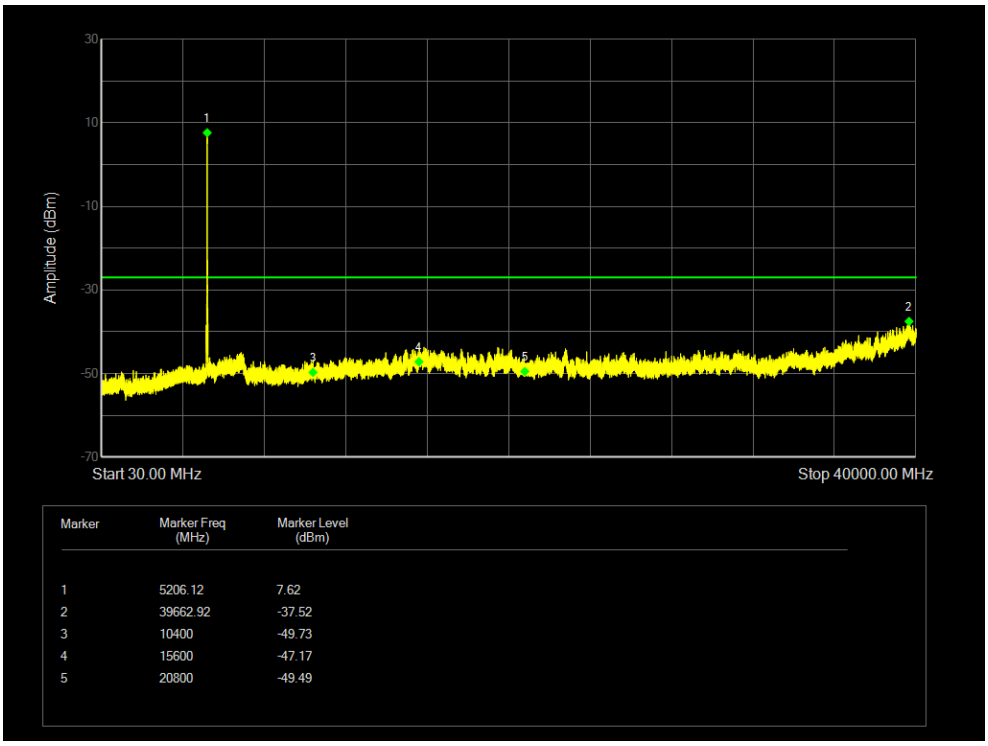
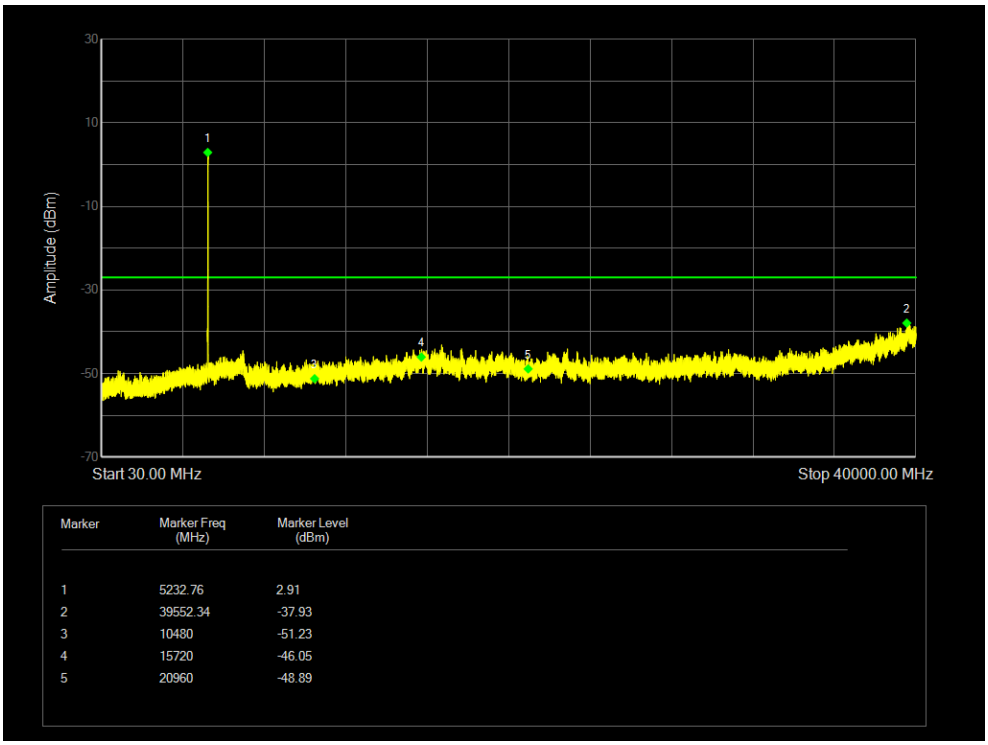
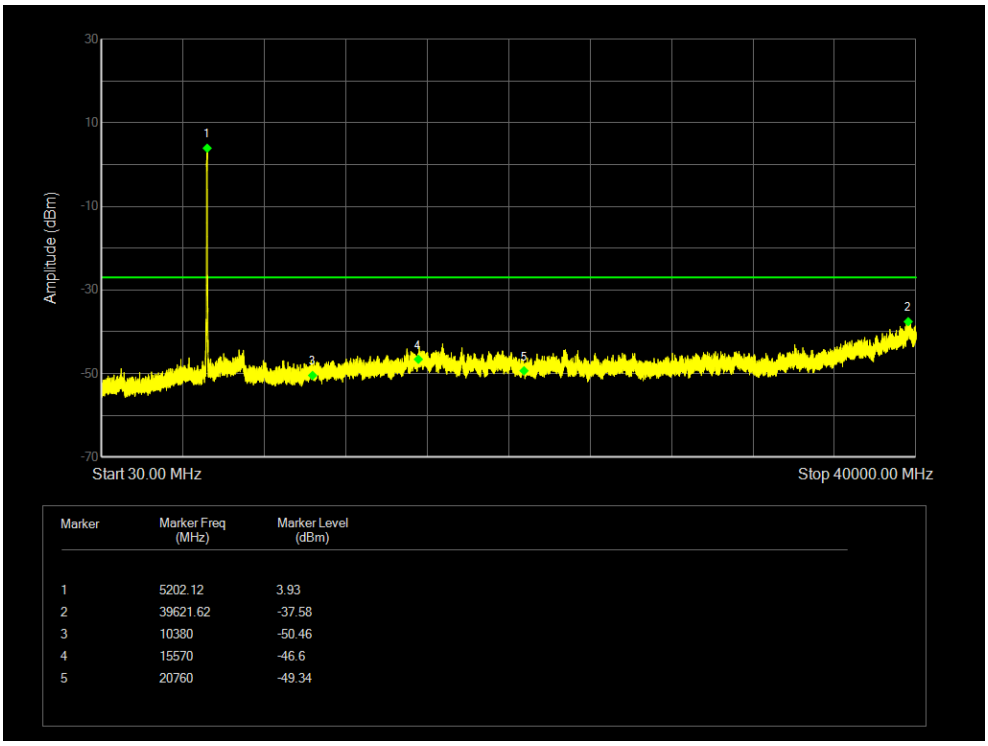


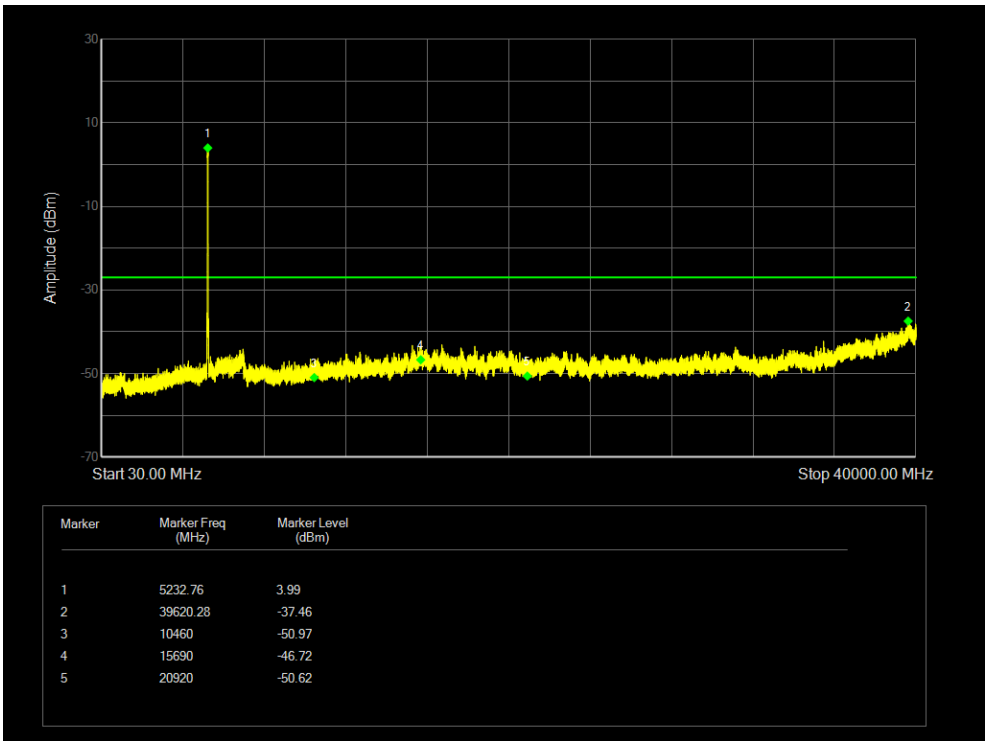
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant1 Emission



Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5232.76	3.99
2	39620.28	-37.46
3	10460	-50.97
4	15690	-46.72
5	20920	-50.62