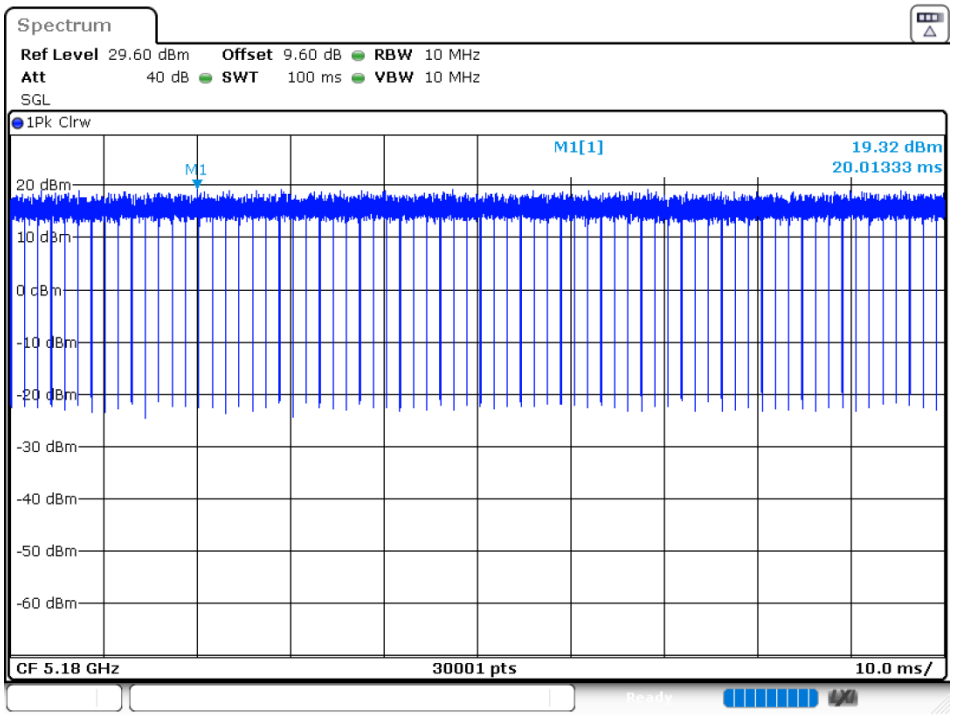
5.2G:

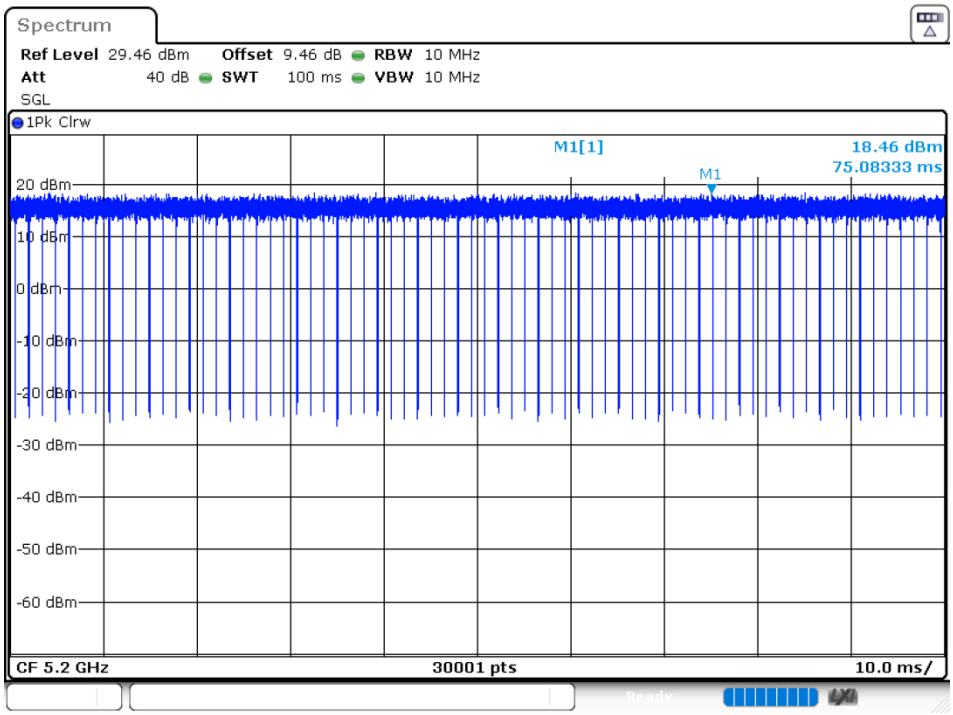
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5180	97.11	0.13
NVNT	802.11a	5200	97.11	0.13
NVNT	802.11a	5240	97.15	0.13
NVNT	802.11ac20	5180	96.95	0.13
NVNT	802.11ac20	5200	96.98	0.13
NVNT	802.11ac20	5240	96.99	0.13
NVNT	802.11ac40	5190	94.11	0.26
NVNT	802.11ac40	5230	94.17	0.26
NVNT	802.11ac80	5210	90.63	0.43
NVNT	802.11n(HT20)	5180	96.91	0.14
NVNT	802.11n(HT20)	5200	96.96	0.13
NVNT	802.11n(HT20)	5240	96.96	0.13
NVNT	802.11n(HT40)	5190	94.13	0.26
NVNT	802.11n(HT40)	5230	94.09	0.26

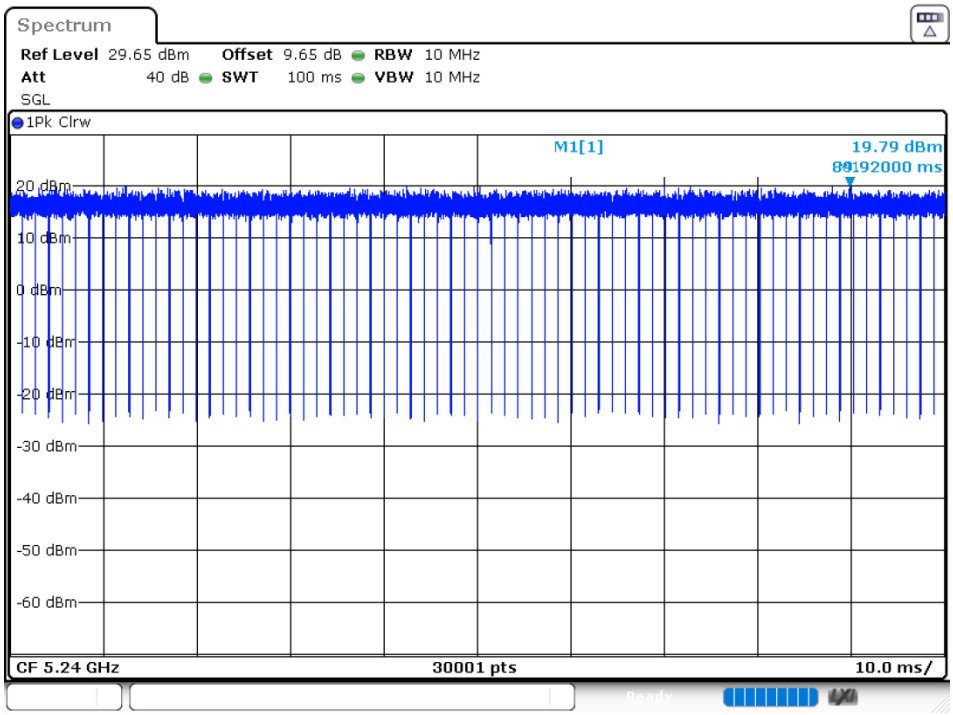
Duty Cycle NVNT 802.11a 5180MHz



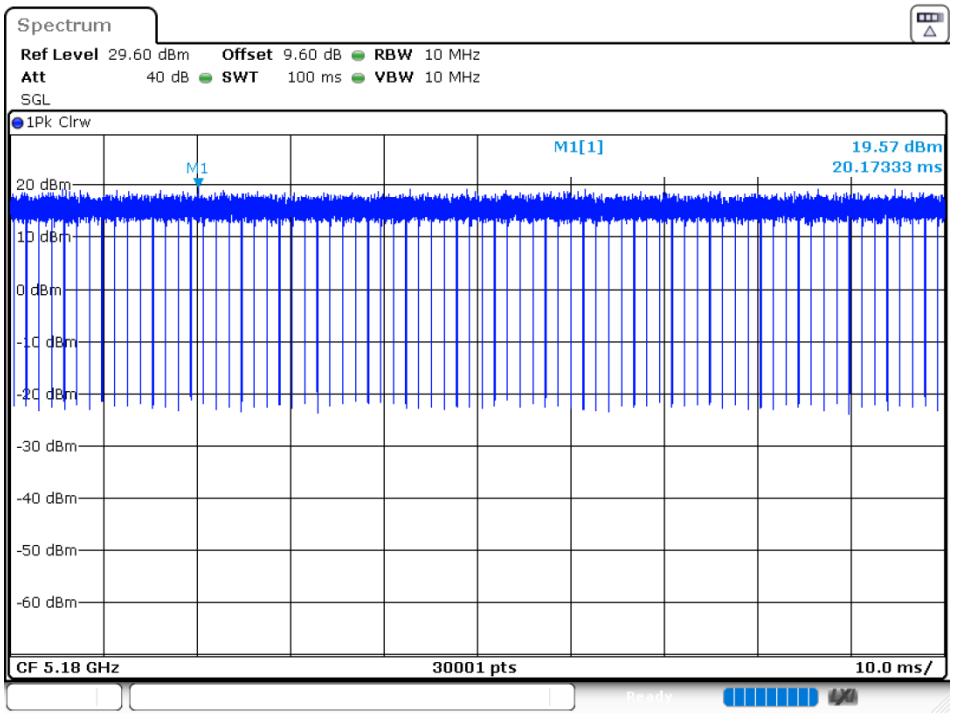
Duty Cycle NVNT 802.11a 5200MHz



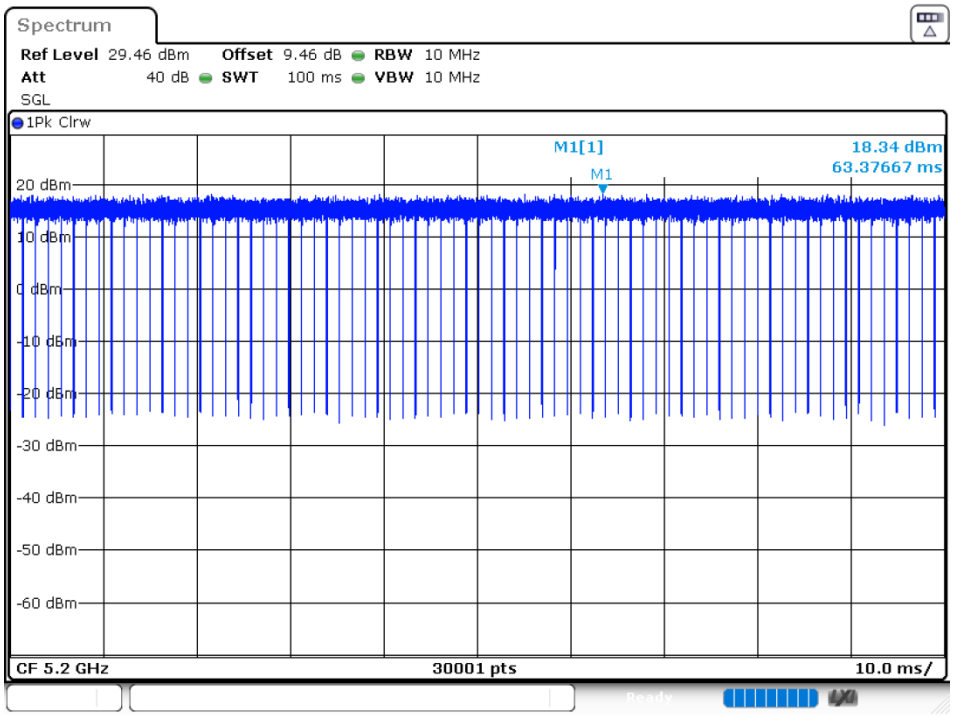
Duty Cycle NVNT 802.11a 5240MHz



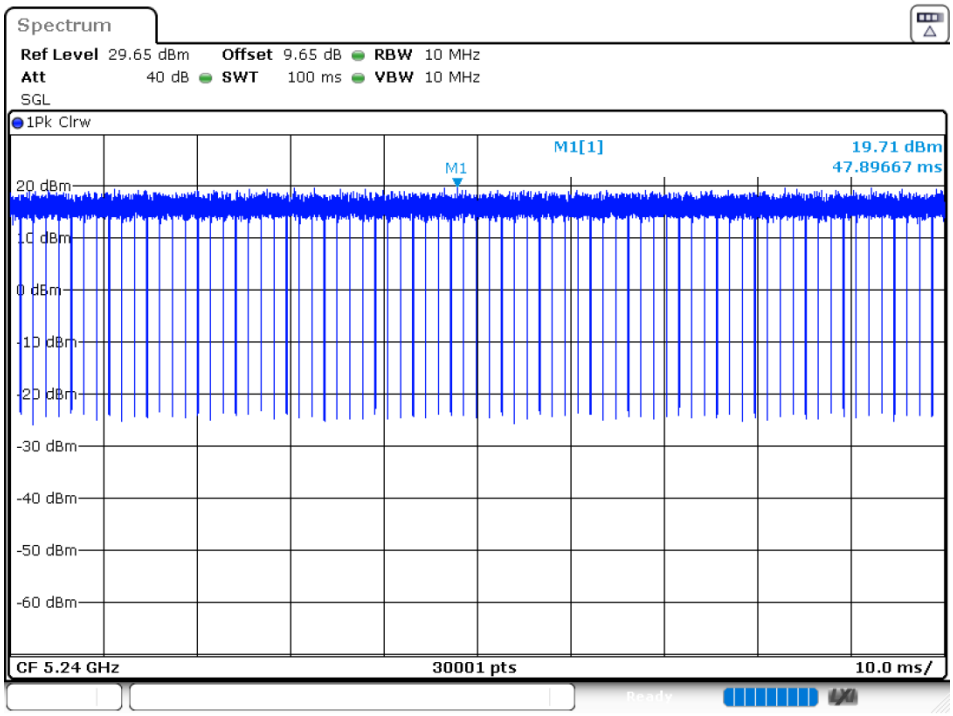
Duty Cycle NVNT 802.11ac20 5180MHz



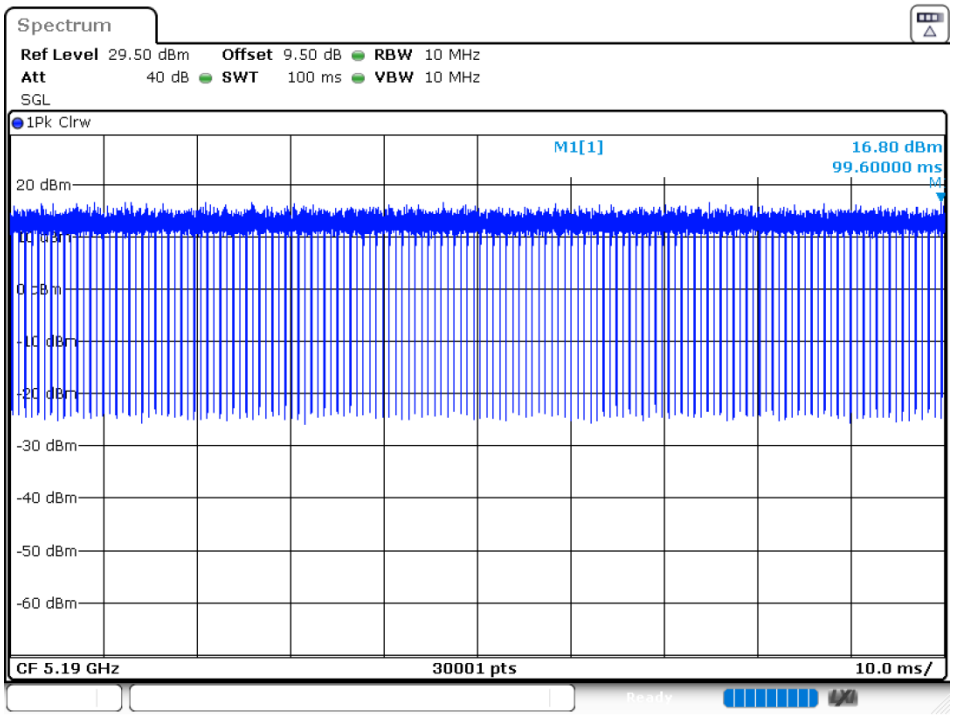
Duty Cycle NVNT 802.11ac20 5200MHz



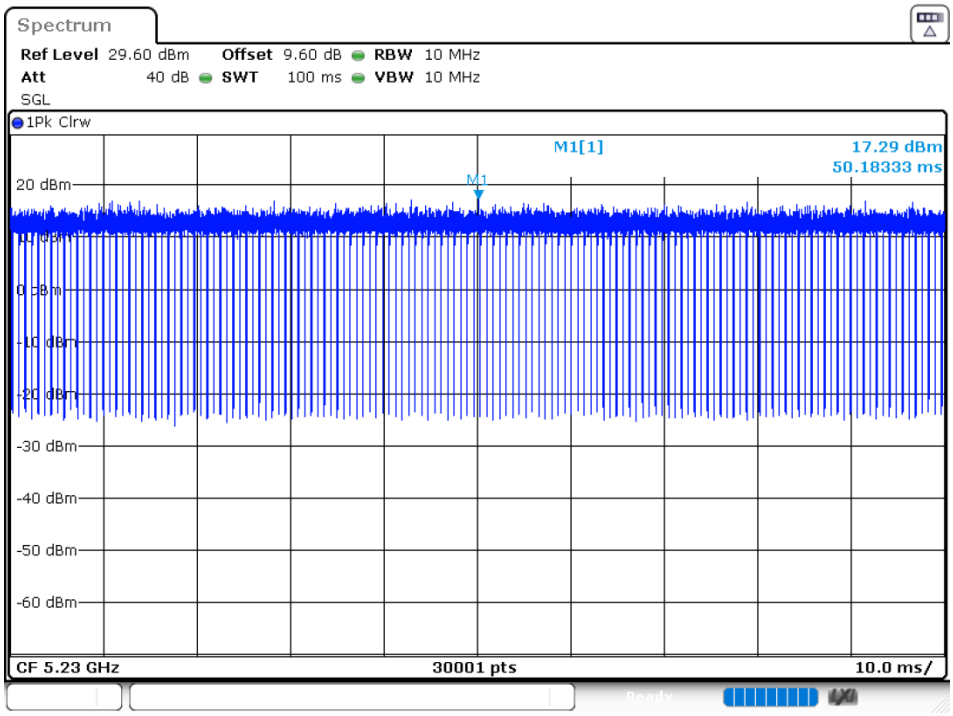
Duty Cycle NVNT 802.11ac20 5240MHz



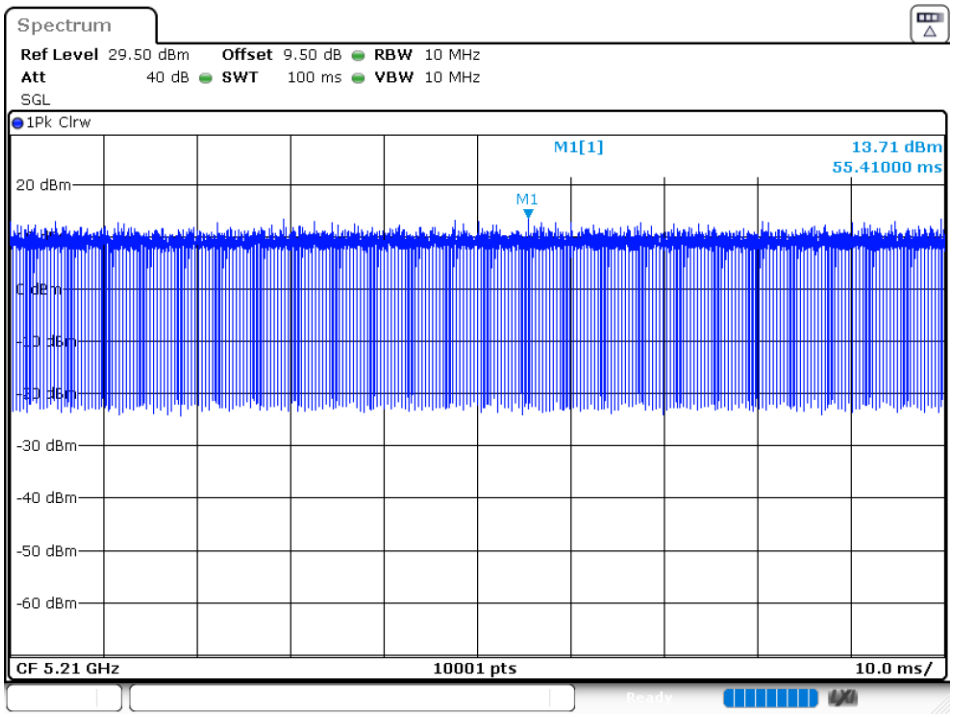
Duty Cycle NVNT 802.11ac40 5190MHz



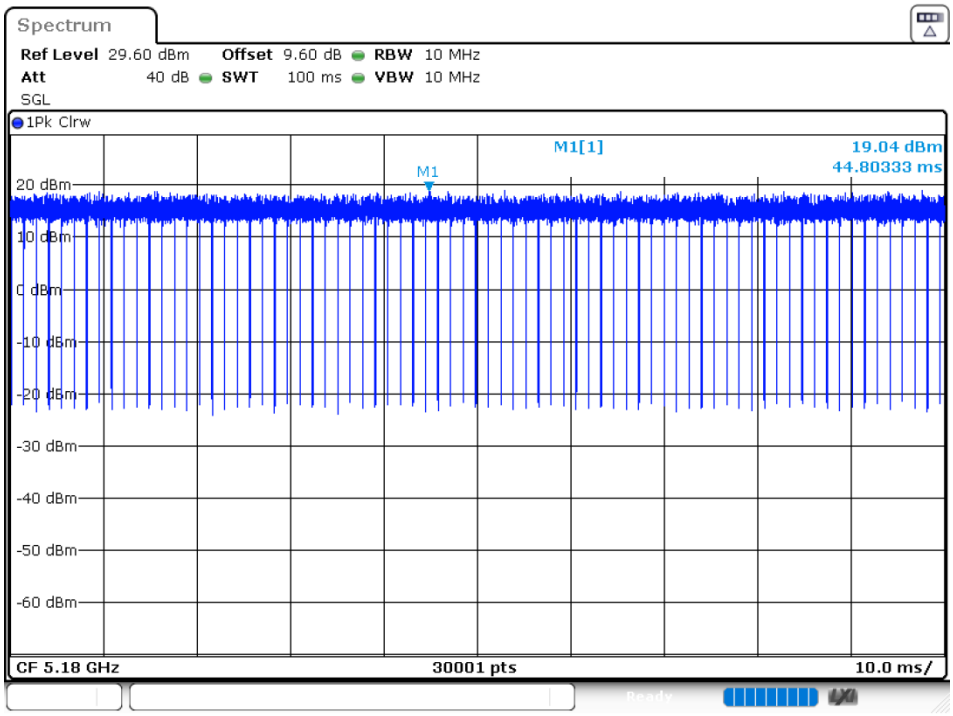
Duty Cycle NVNT 802.11ac40 5230MHz



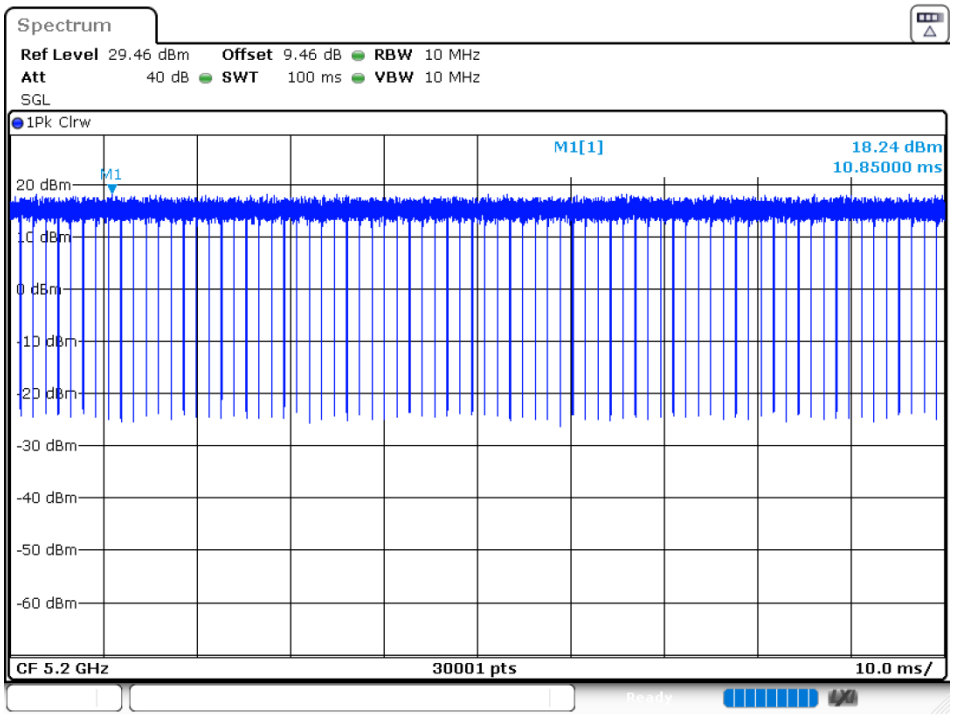
Duty Cycle NVNT 802.11ac80 5210MHz



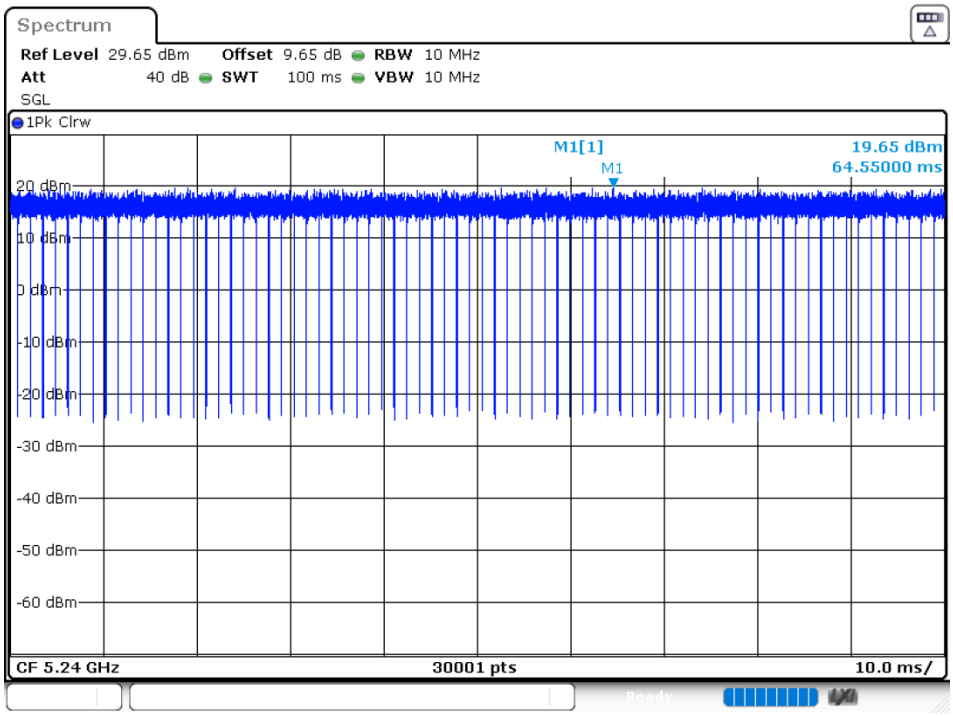
Duty Cycle NVNT 802.11n(HT20) 5180MHz



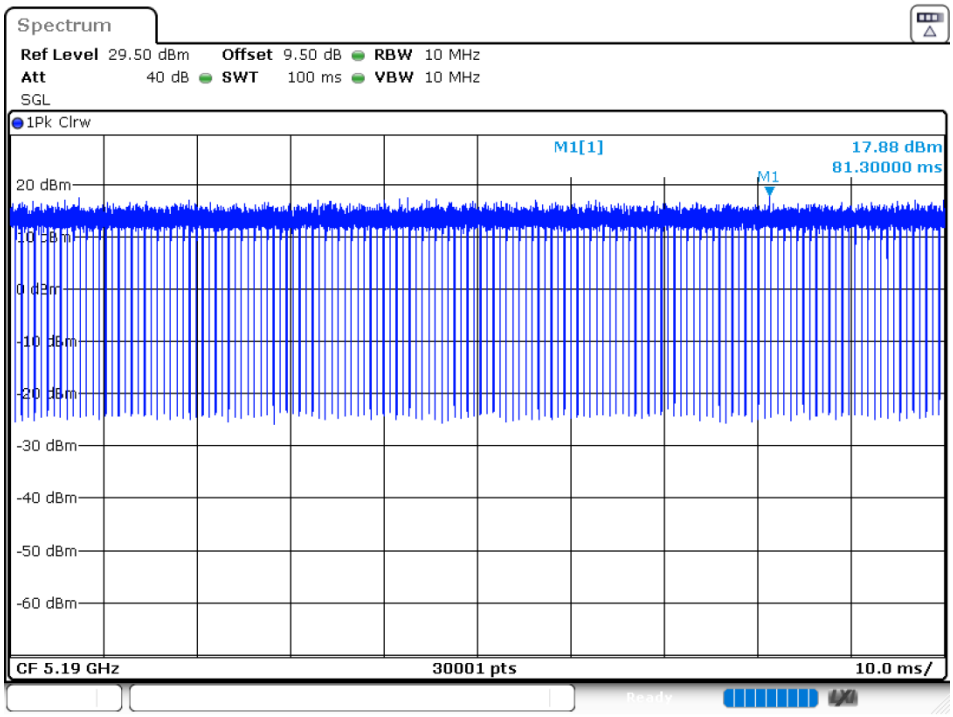
Duty Cycle NVNT 802.11n(HT20) 5200MHz



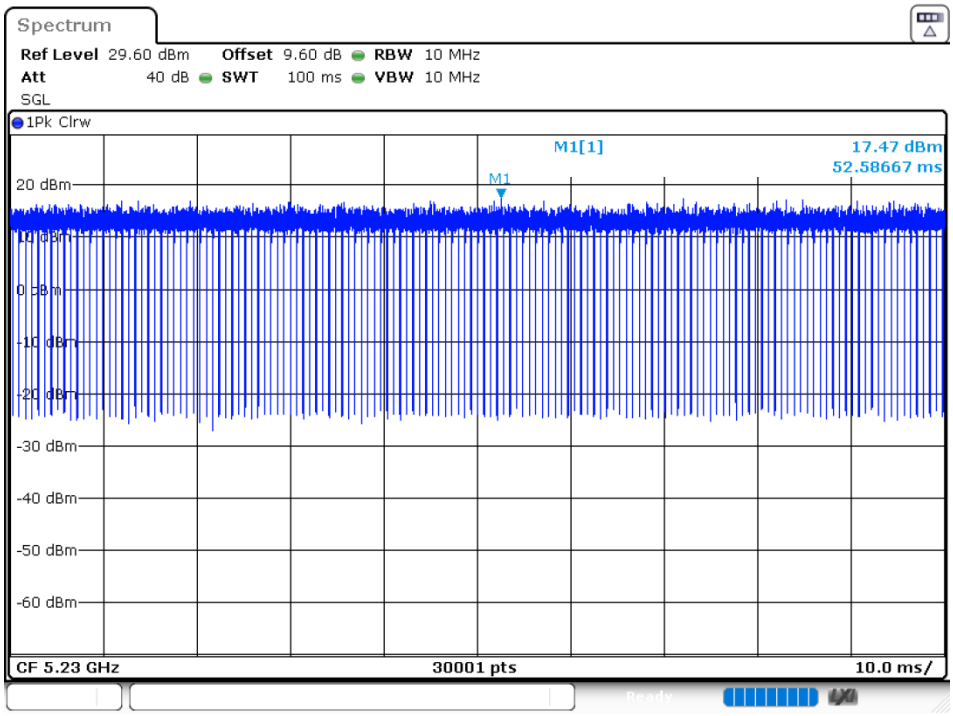
Duty Cycle NVNT 802.11n(HT20) 5240MHz



Duty Cycle NVNT 802.11n(HT40) 5190MHz



Duty Cycle NVNT 802.11n(HT40) 5230MHz



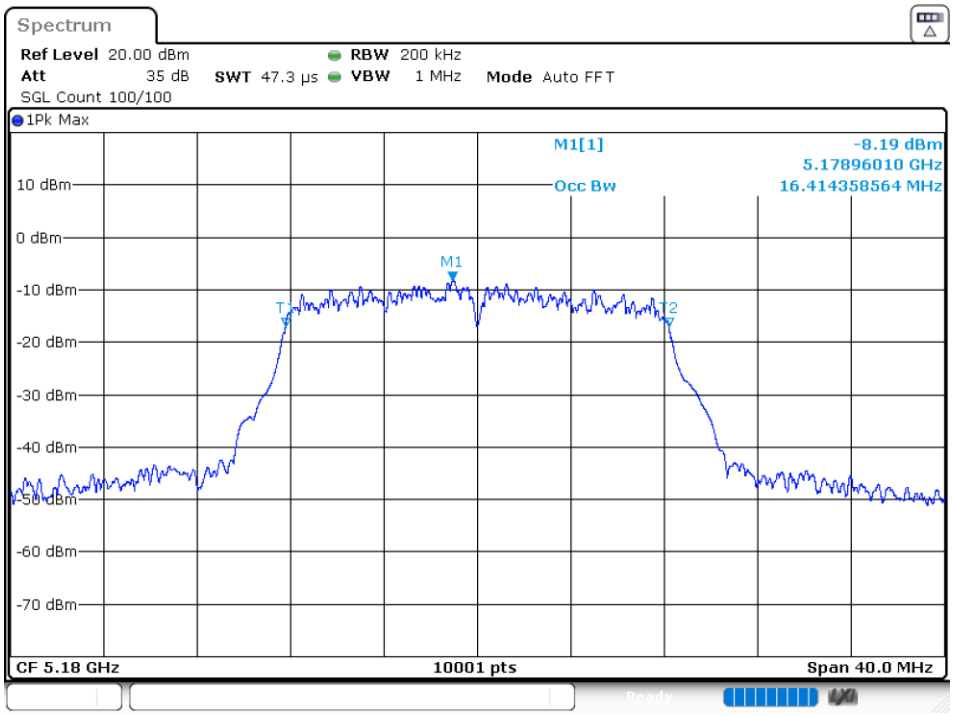
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	10.18	0.13	10.31	24	Pass
NVNT	802.11a	5200	Ant 1	9.69	0.13	9.82	24	Pass
NVNT	802.11a	5240	Ant 1	10.19	0.13	10.32	24	Pass
NVNT	802.11ac20	5180	Ant 1	10	0.13	10.13	24	Pass
NVNT	802.11ac20	5200	Ant 1	9.58	0.13	9.71	24	Pass
NVNT	802.11ac20	5240	Ant 1	10	0.13	10.13	24	Pass
NVNT	802.11ac40	5190	Ant 1	9.2	0.26	9.46	24	Pass
NVNT	802.11ac40	5230	Ant 1	9.03	0.26	9.29	24	Pass
NVNT	802.11ac80	5210	Ant 1	8.98	0.43	9.41	24	Pass
NVNT	802.11n(HT20)	5180	Ant 1	9.88	0.14	10.02	24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	9.48	0.13	9.61	24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	10.04	0.13	10.17	24	Pass
NVNT	802.11n(HT40)	5190	Ant 1	10.1	0.26	10.36	24	Pass
NVNT	802.11n(HT40)	5230	Ant 1	9.75	0.26	10.01	24	Pass

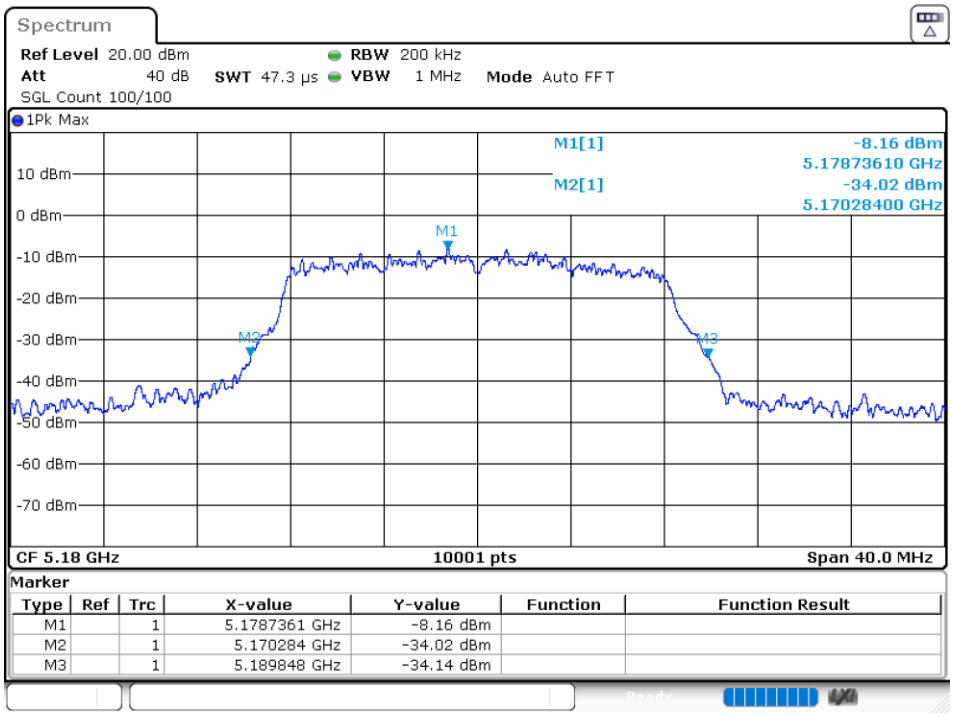
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	16.4144	19.564	Pass
NVNT	802.11a	5200	Ant 1	16.3704	19.684	Pass
NVNT	802.11a	5240	Ant 1	16.3704	19.248	Pass
NVNT	802.11ac20	5180	Ant 1	17.6142	20.3	Pass
NVNT	802.11ac20	5200	Ant 1	17.6182	20.66	Pass
NVNT	802.11ac20	5240	Ant 1	17.5382	19.888	Pass
NVNT	802.11ac40	5190	Ant 1	36.1164	40.824	Pass
NVNT	802.11ac40	5230	Ant 1	36.1084	41.248	Pass
NVNT	802.11ac80	5210	Ant 1	75.6564	112.912	Pass
NVNT	802.11n(HT20)	5180	Ant 1	17.6302	20.24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	17.6062	20.168	Pass
NVNT	802.11n(HT20)	5240	Ant 1	17.5502	19.916	Pass
NVNT	802.11n(HT40)	5190	Ant 1	36.3324	56.84	Pass
NVNT	802.11n(HT40)	5230	Ant 1	36.2764	68.192	Pass

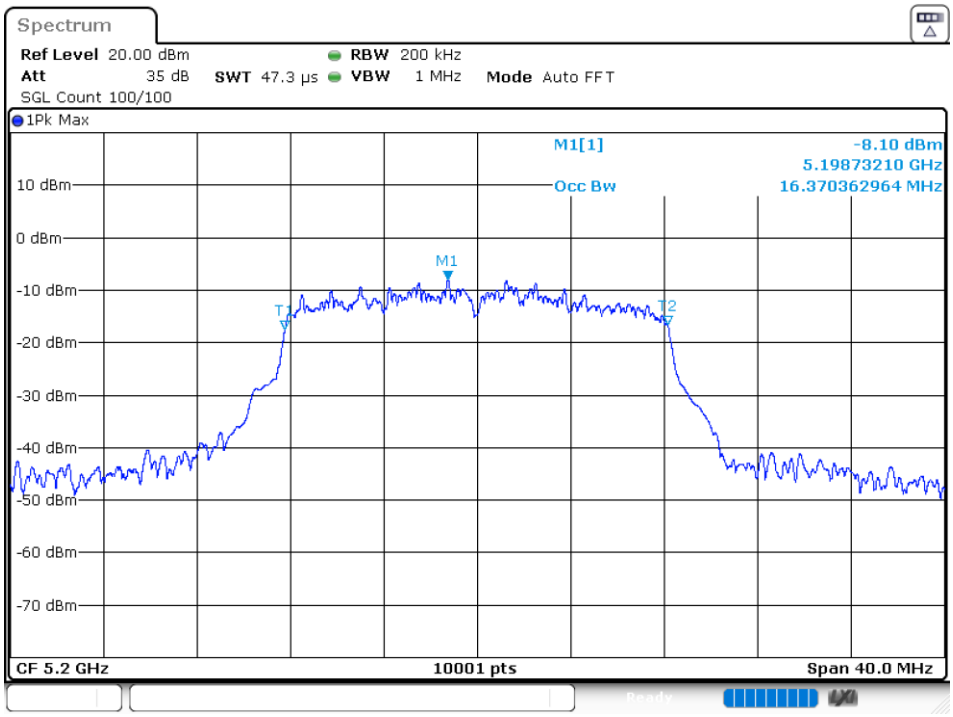
OBW NVNT 802.11a 5180MHz Ant1



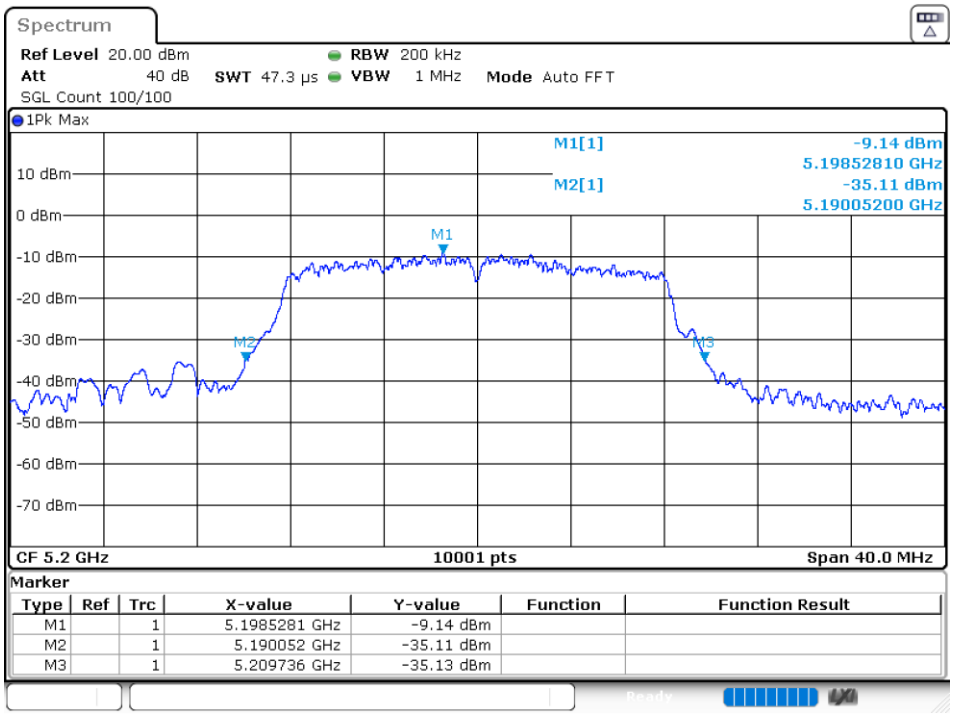
-26 dB BW NVNT 802.11a 5180MHz Ant1



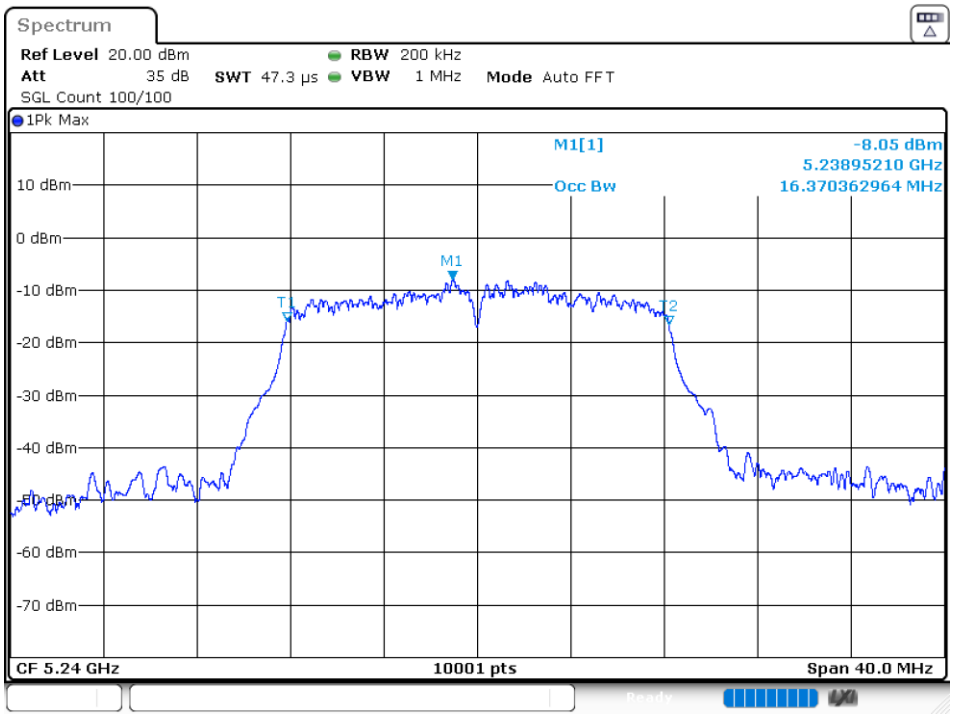
OBW NVNT 802.11a 5200MHz Ant1



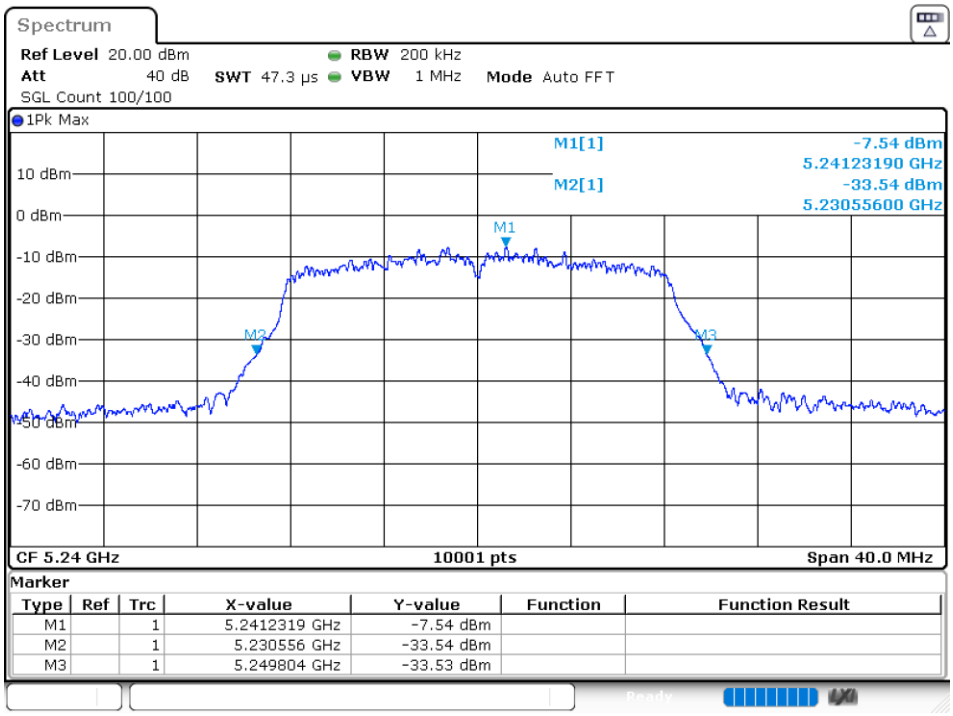
-26 dB BW NVNT 802.11a 5200MHz Ant1



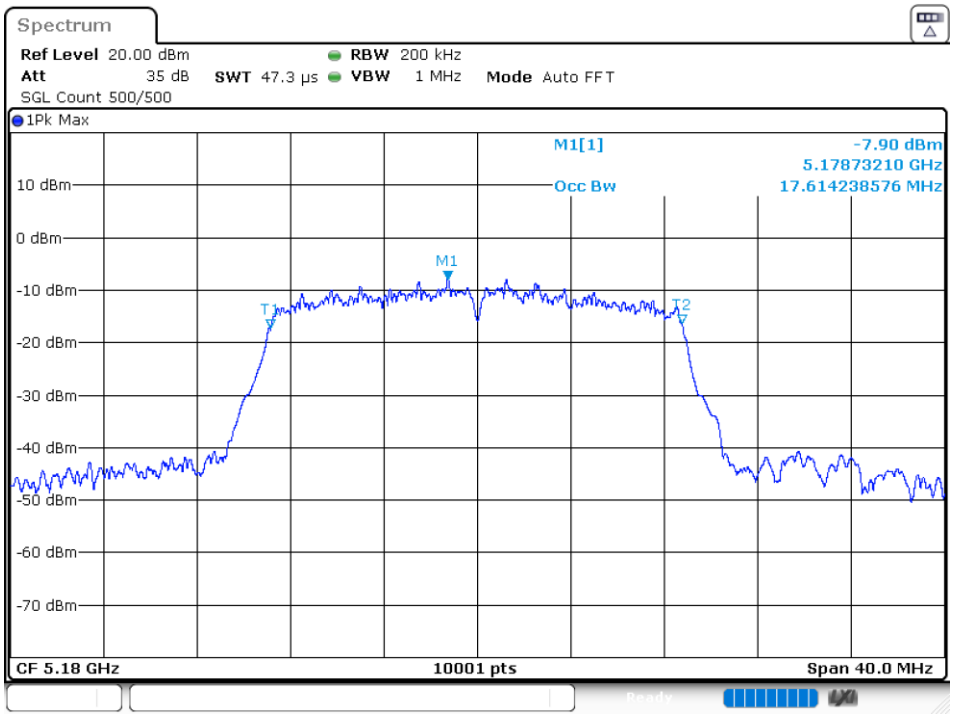
OBW NVNT 802.11a 5240MHz Ant1



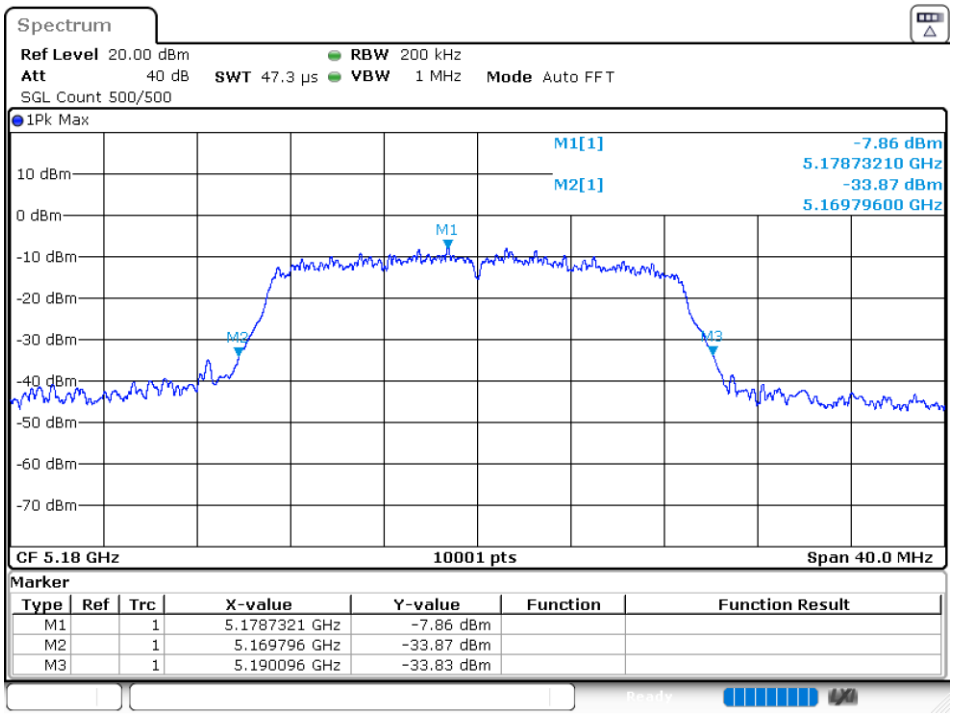
-26 dB BW NVNT 802.11a 5240MHz Ant1



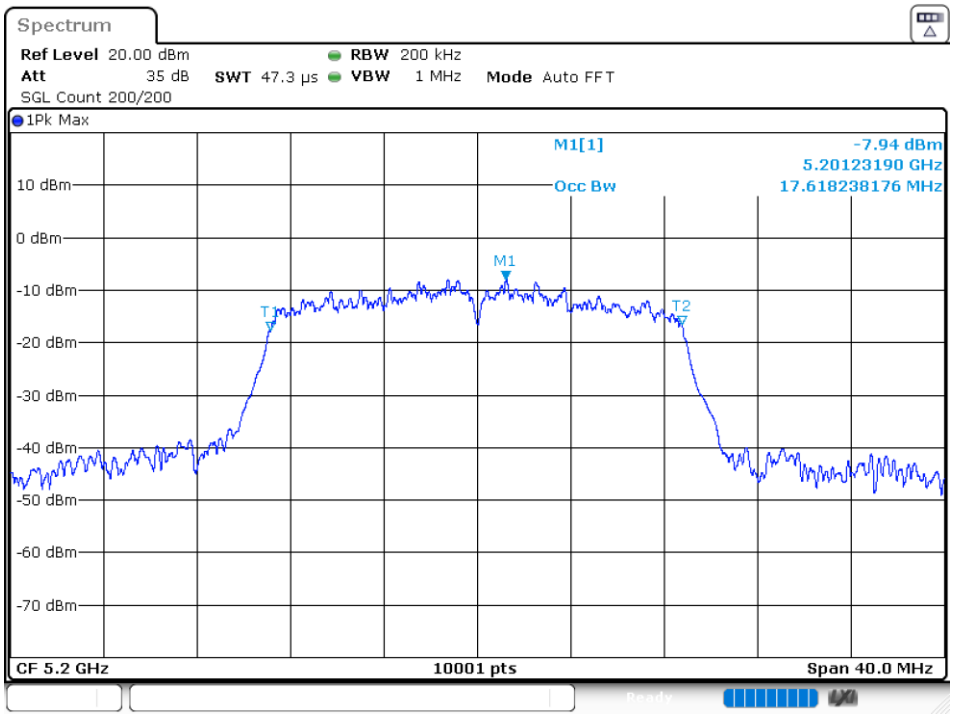
OBW NVNT 802.11ac20 5180MHz Ant1



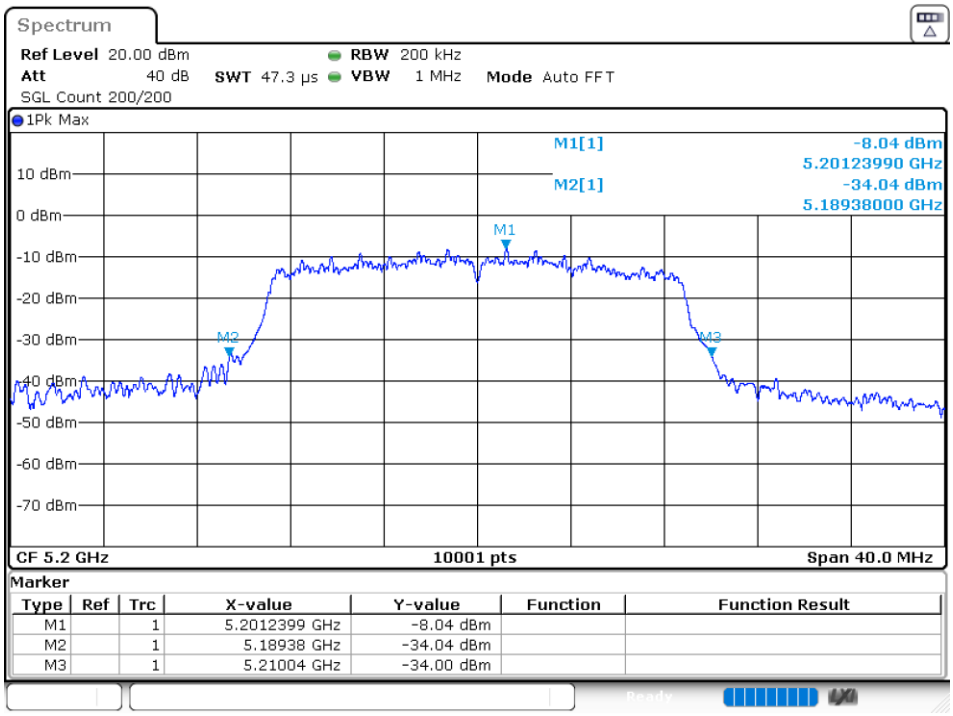
-26 dB BW NVNT 802.11ac20 5180MHz Ant1



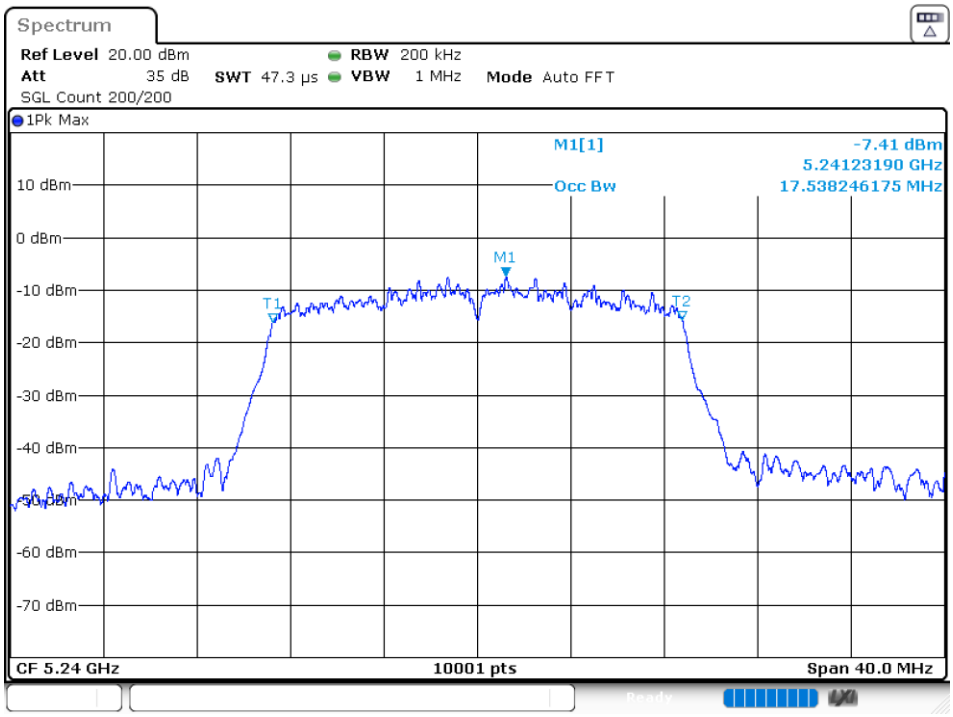
OBW NVNT 802.11ac20 5200MHz Ant1



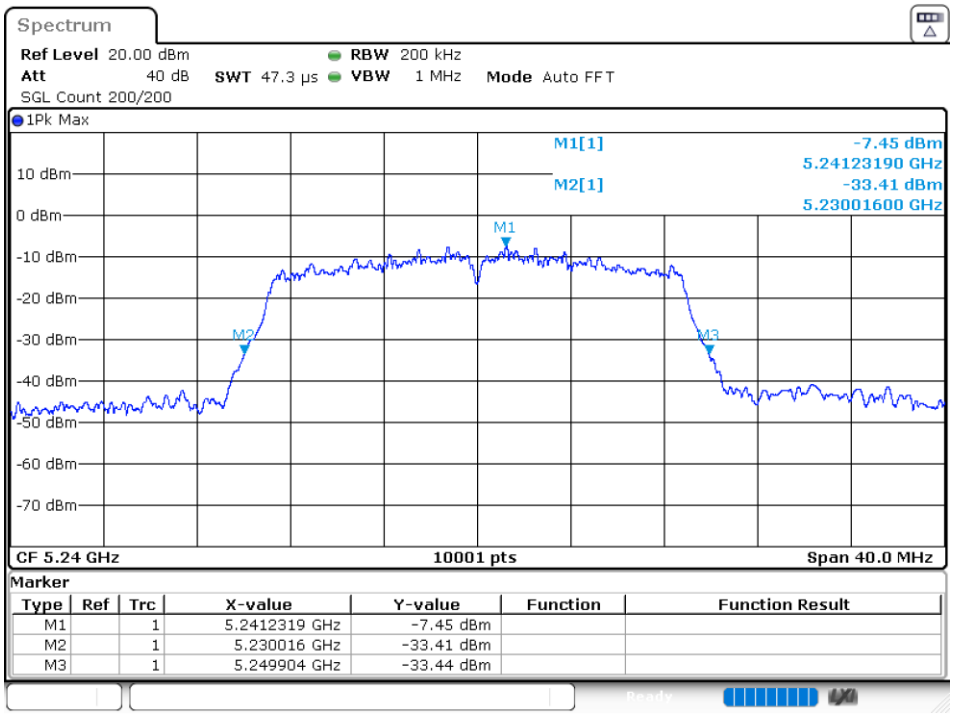
-26 dB BW NVNT 802.11ac20 5200MHz Ant1



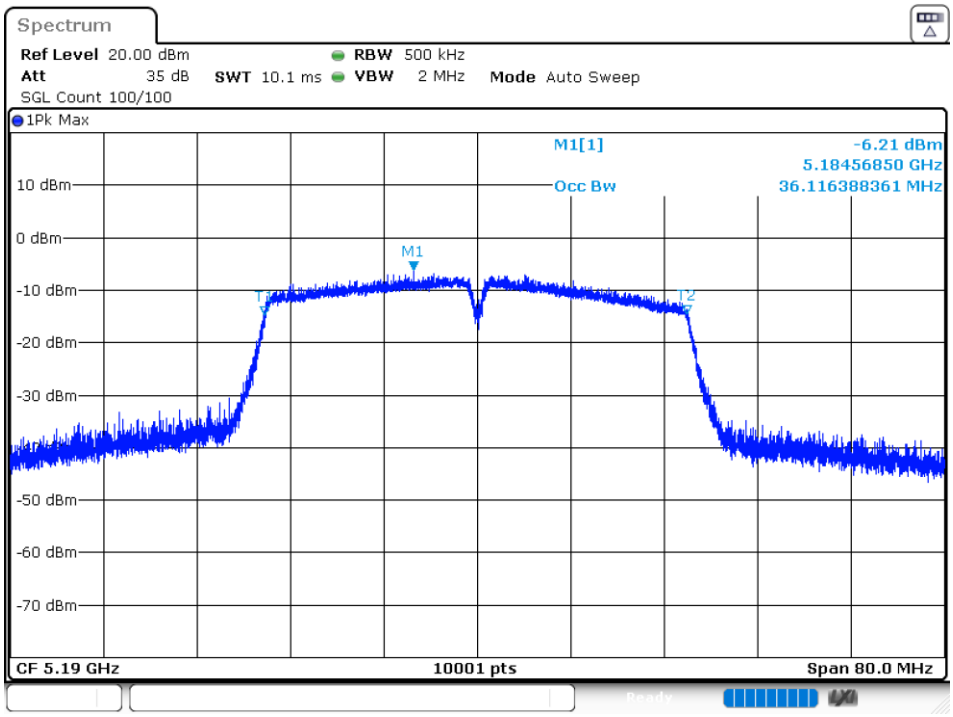
OBW NVNT 802.11ac20 5240MHz Ant1



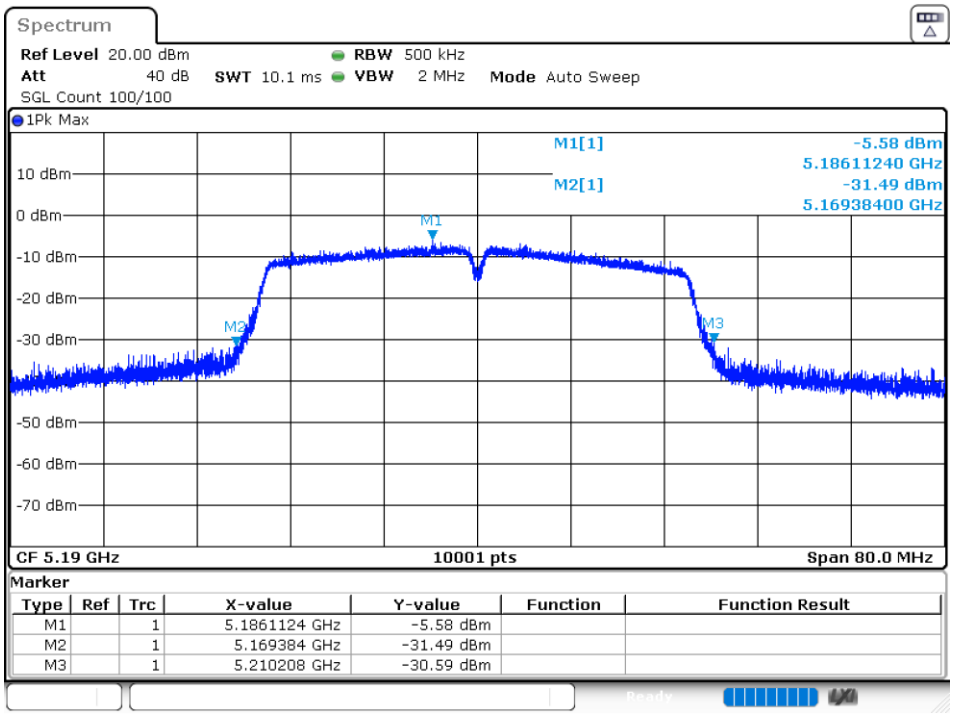
-26 dB BW NVNT 802.11ac20 5240MHz Ant1



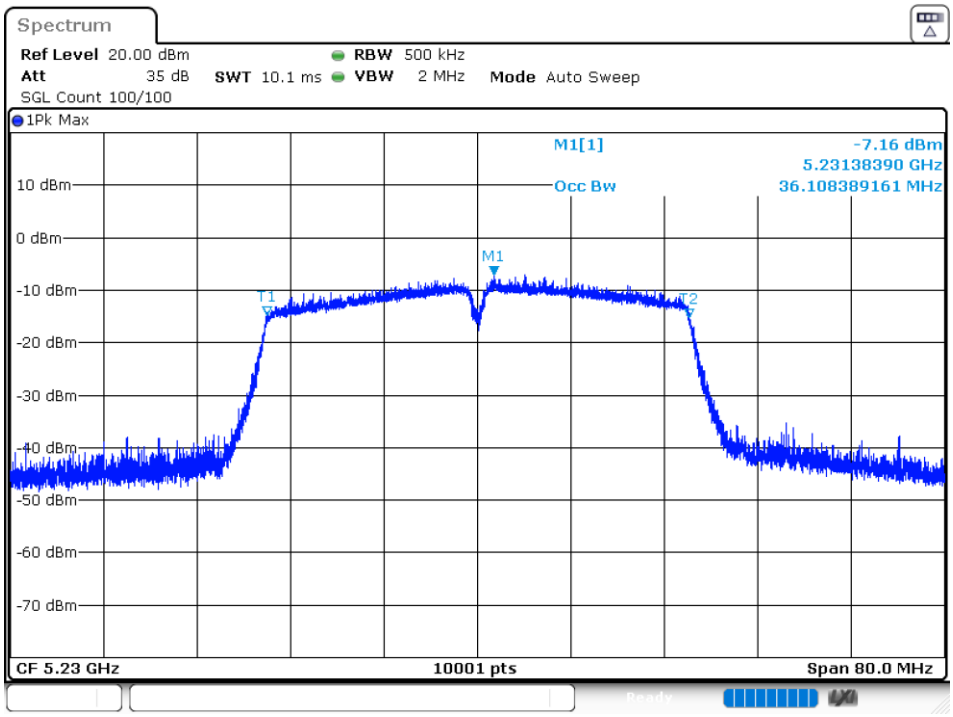
OBW NVNT 802.11ac40 5190MHz Ant1



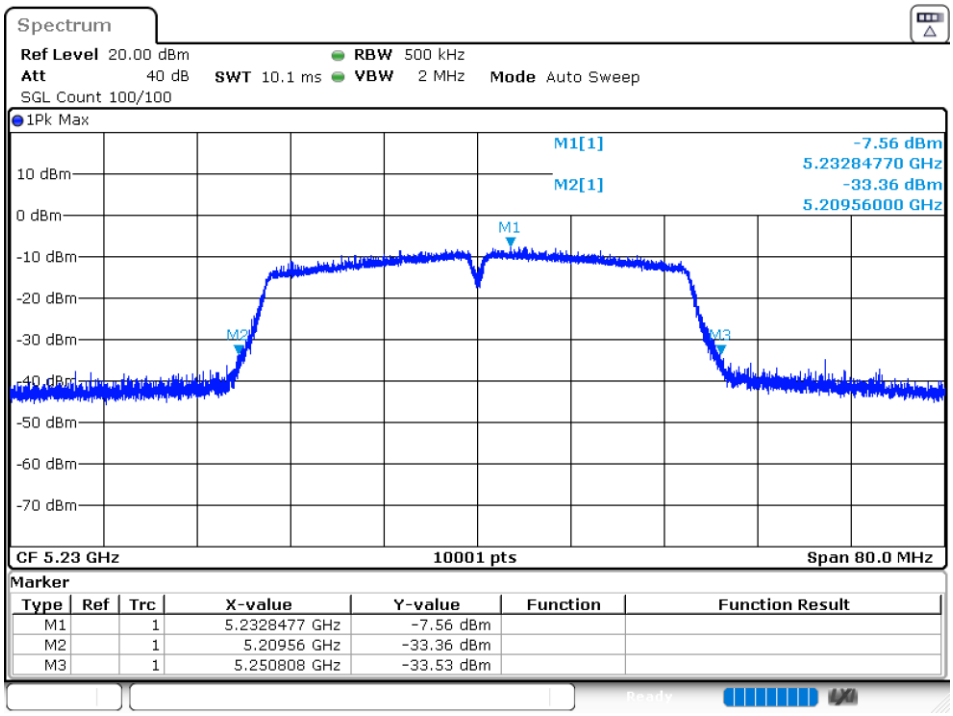
-26 dB BW NVNT 802.11ac40 5190MHz Ant1



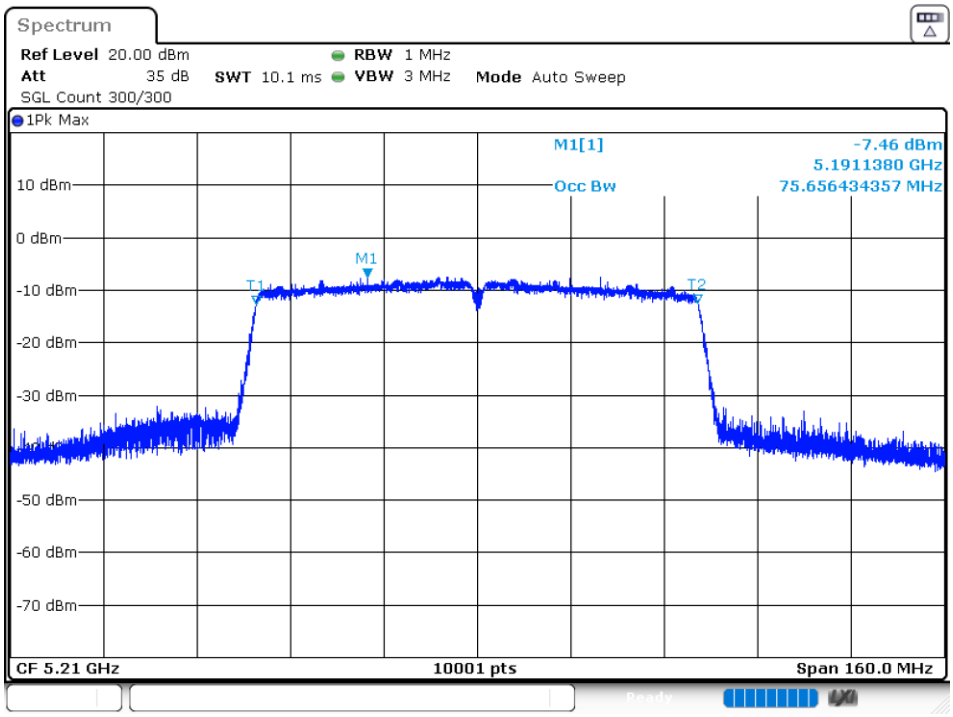
OBW NVNT 802.11ac40 5230MHz Ant1



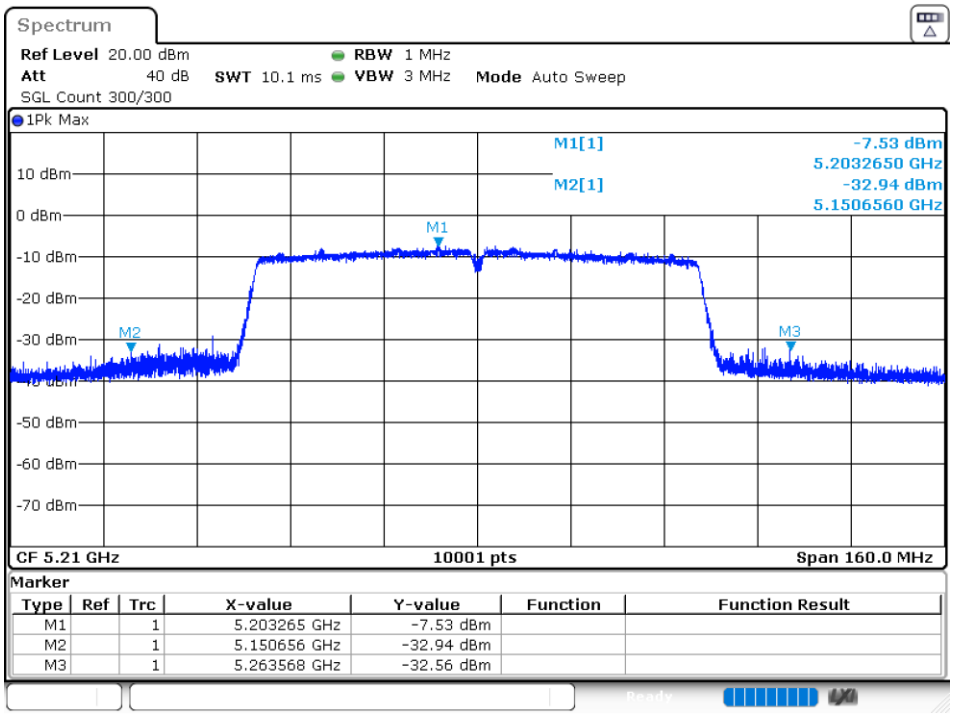
-26 dB BW NVNT 802.11ac40 5230MHz Ant1



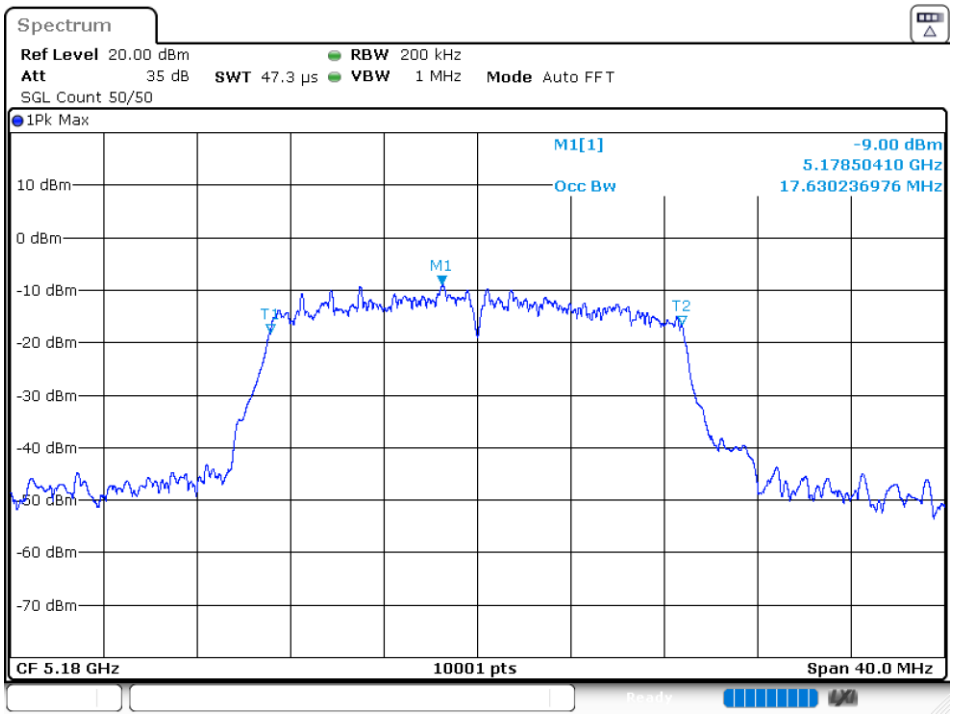
OBW NVNT 802.11ac80 5210MHz Ant1



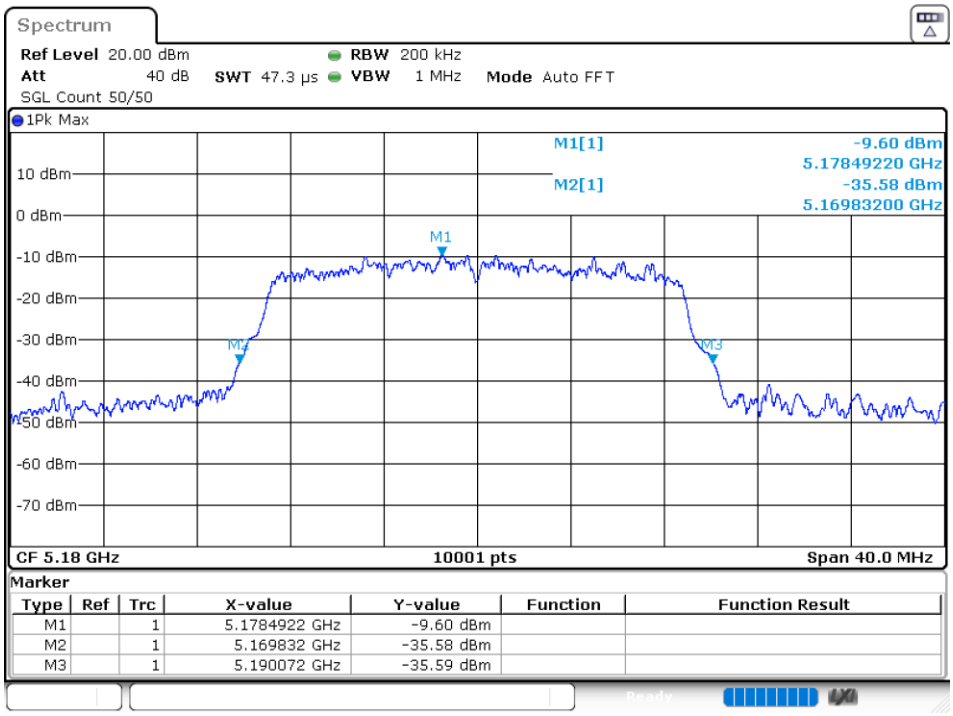
-26 dB BW NVNT 802.11ac80 5210MHz Ant1



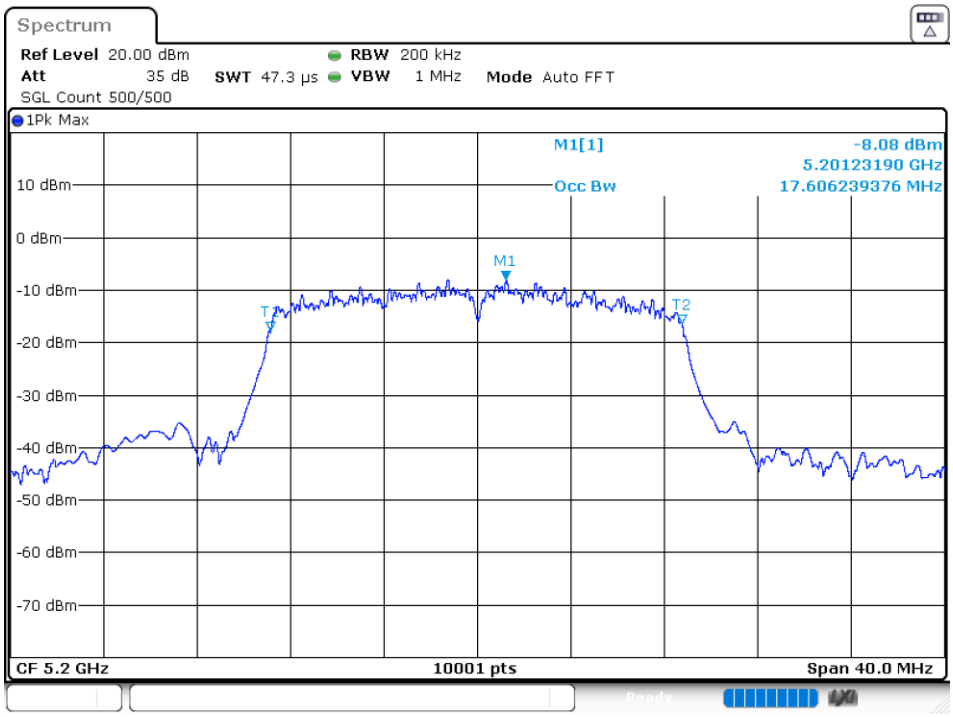
OBW NVNT 802.11n(HT20) 5180MHz Ant1



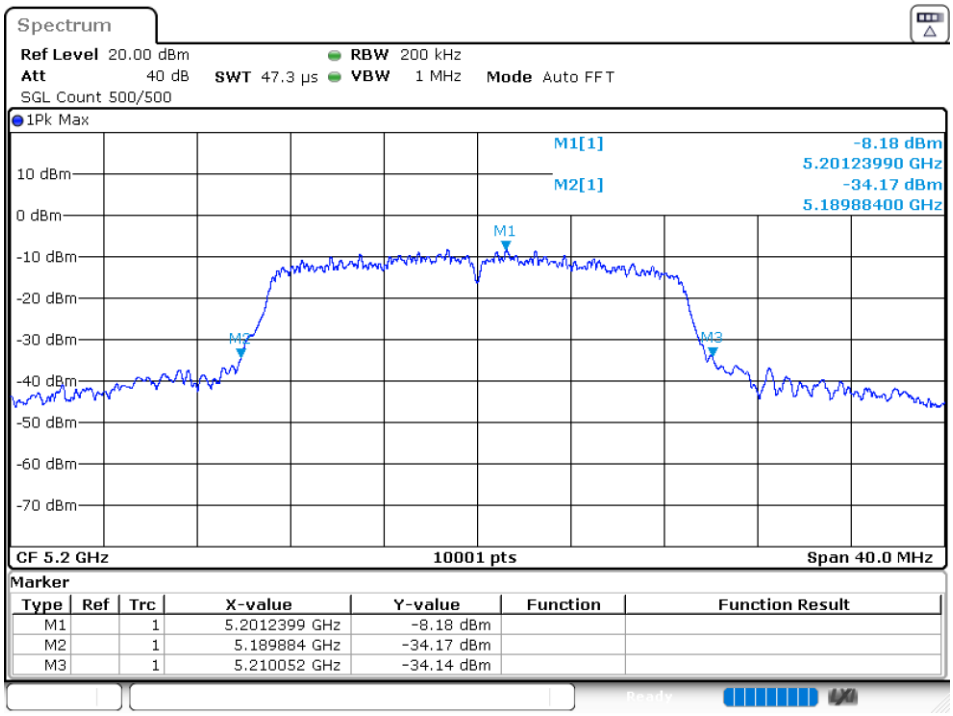
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant1



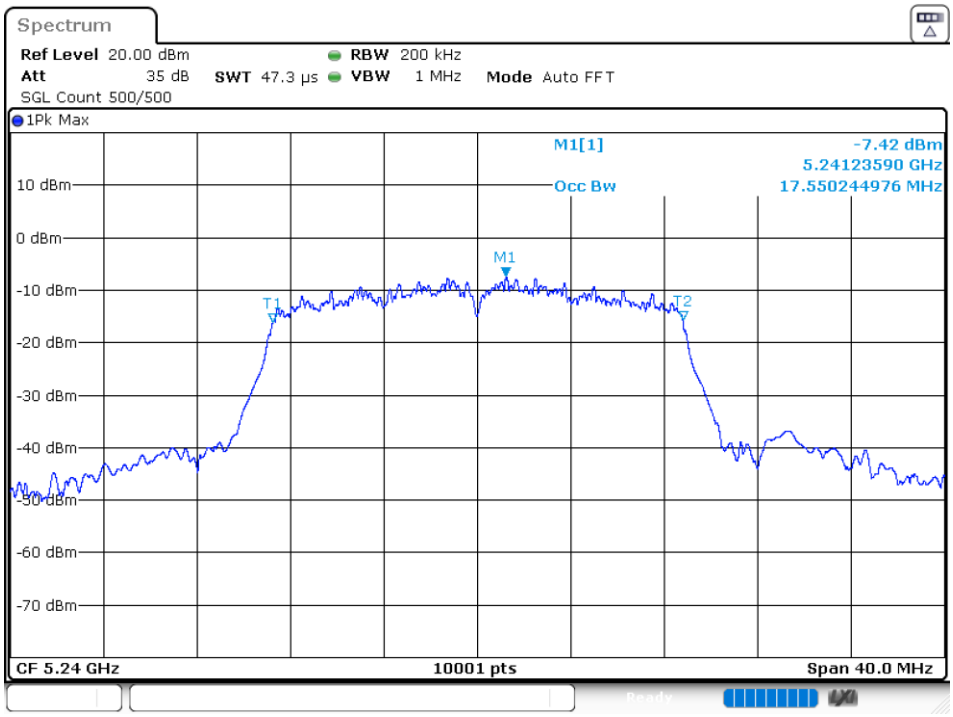
OBW NVNT 802.11n(HT20) 5200MHz Ant1



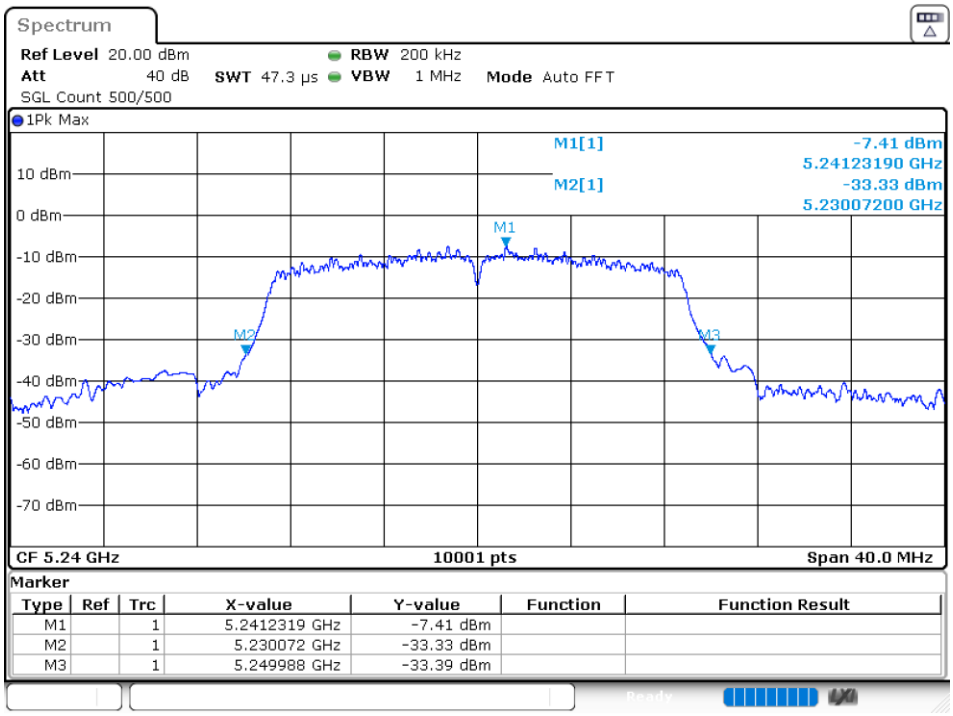
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant1



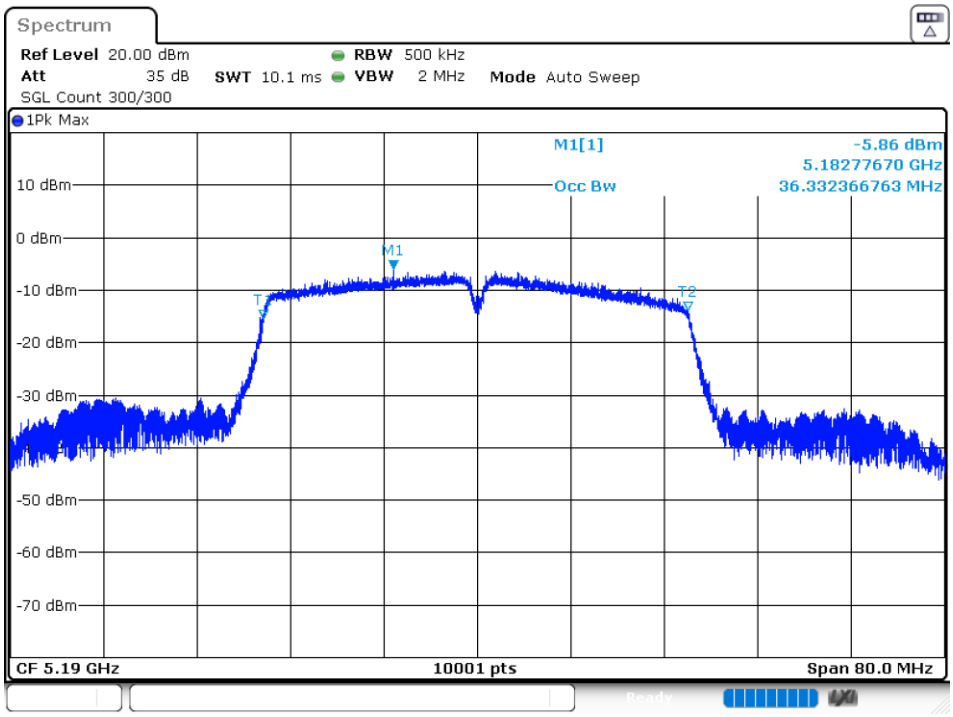
OBW NVNT 802.11n(HT20) 5240MHz Ant1



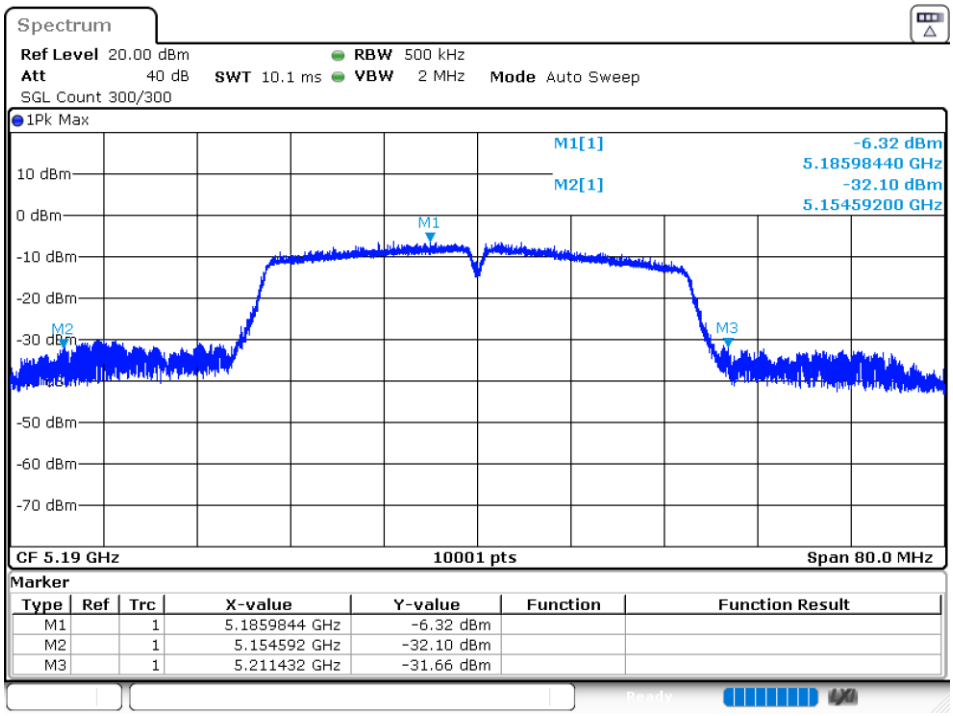
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant1



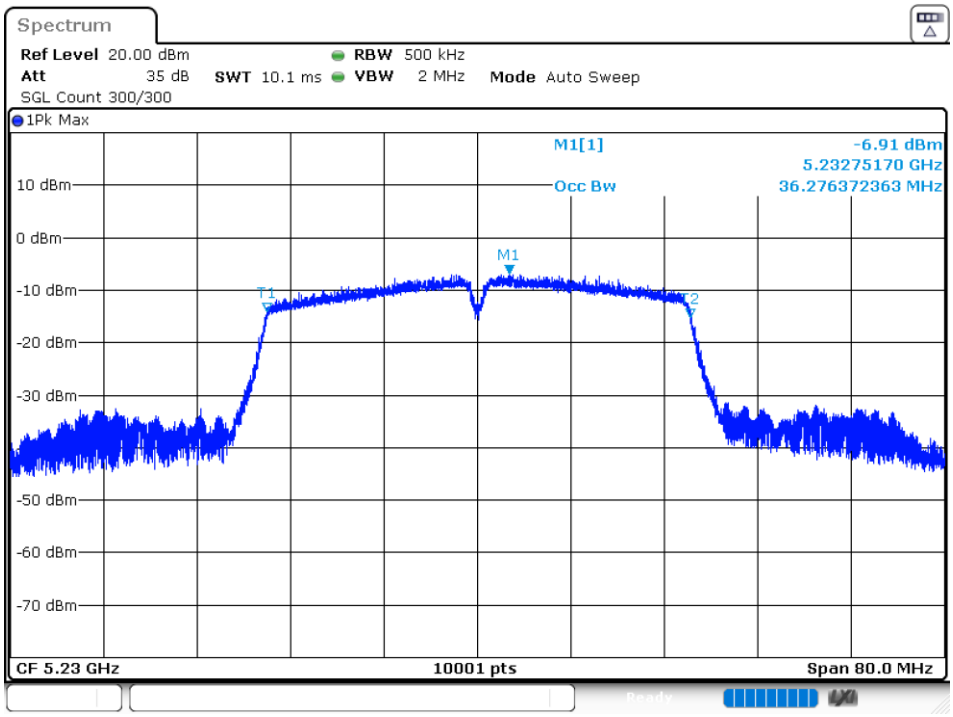
OBW NVNT 802.11n(HT40) 5190MHz Ant1



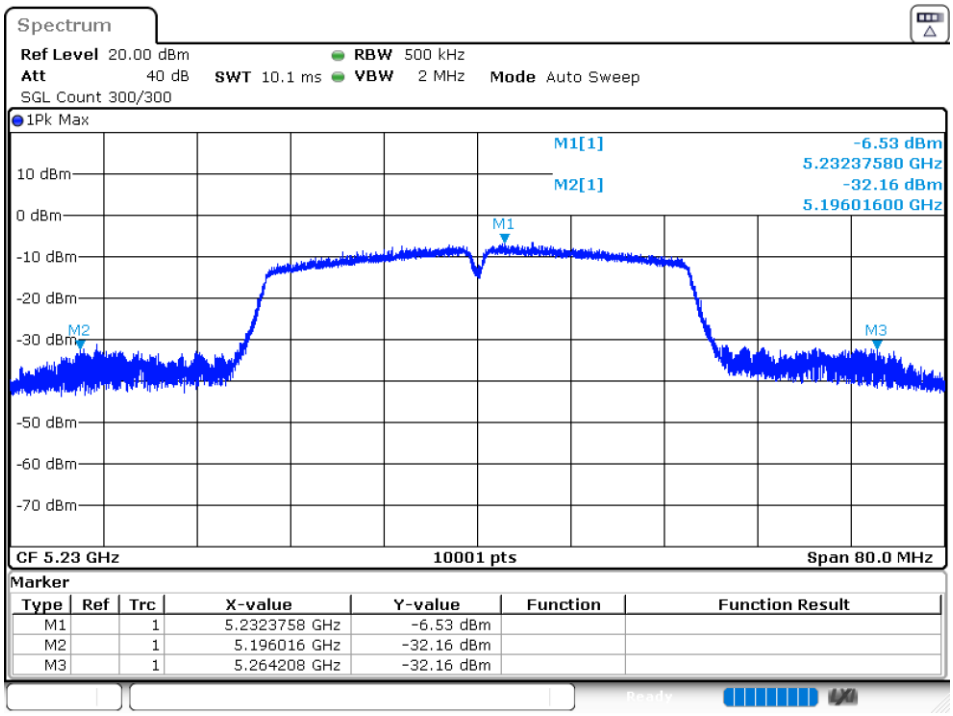
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant1



OBW NVNT 802.11n(HT40) 5230MHz Ant1



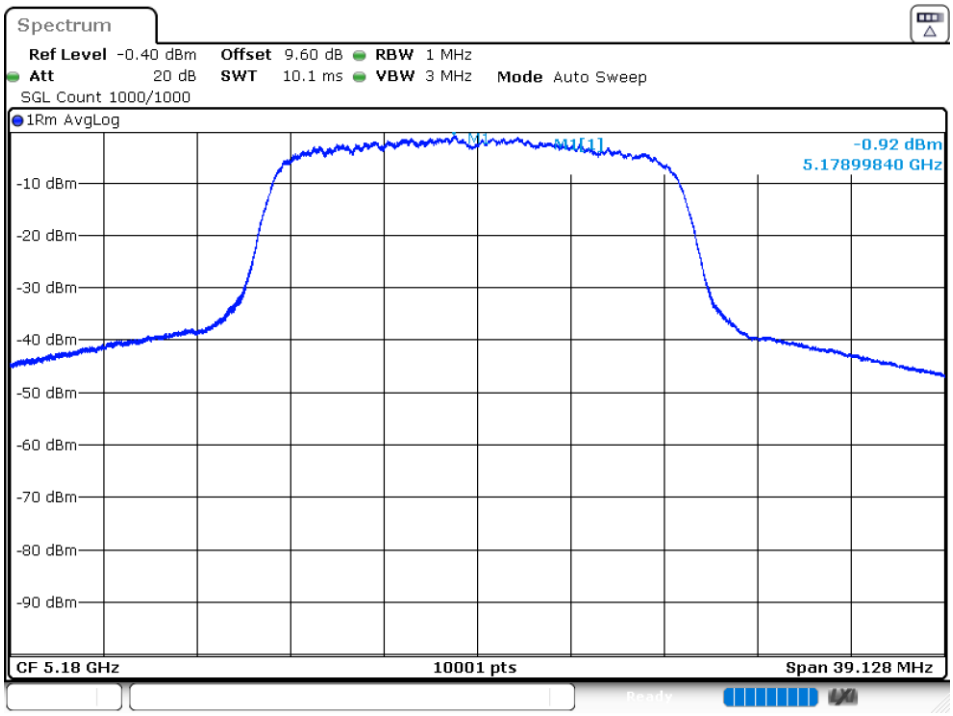
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant1



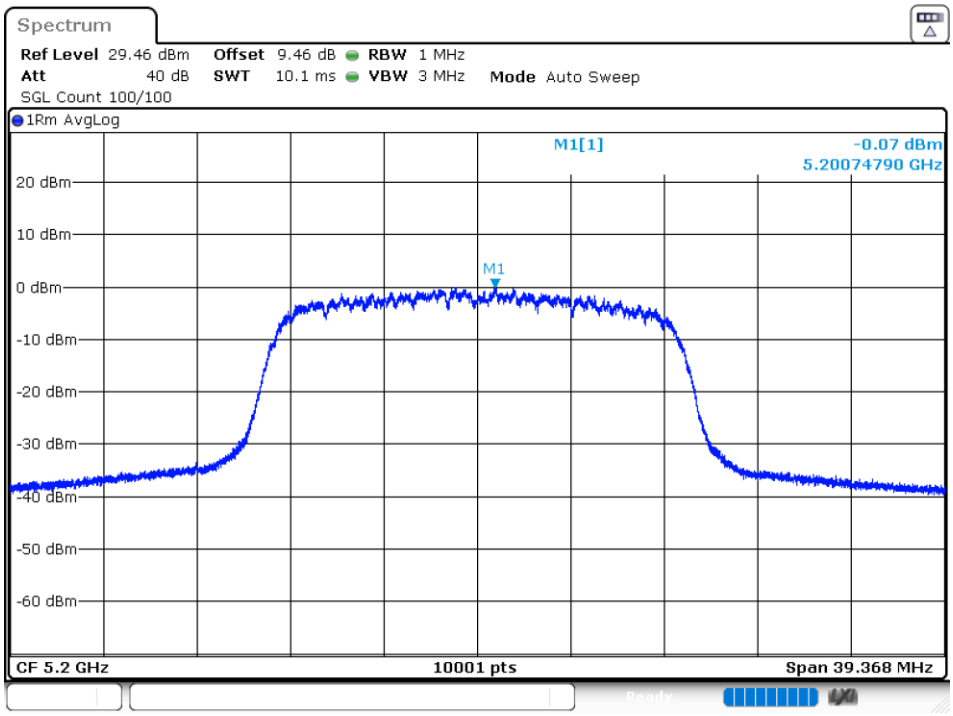
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-0.918	11	Pass
NVNT	802.11a	5200	Ant 1	-0.069	11	Pass
NVNT	802.11a	5240	Ant 1	0.306	11	Pass
NVNT	802.11ac20	5180	Ant 1	-0.626	11	Pass
NVNT	802.11ac20	5200	Ant 1	-0.781	11	Pass
NVNT	802.11ac20	5240	Ant 1	-0.046	11	Pass
NVNT	802.11ac40	5190	Ant 1	-3.123	11	Pass
NVNT	802.11ac40	5230	Ant 1	-4.251	11	Pass
NVNT	802.11ac80	5210	Ant 1	-8.931	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-0.082	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-0.301	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-0.481	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-4.432	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-4.502	11	Pass

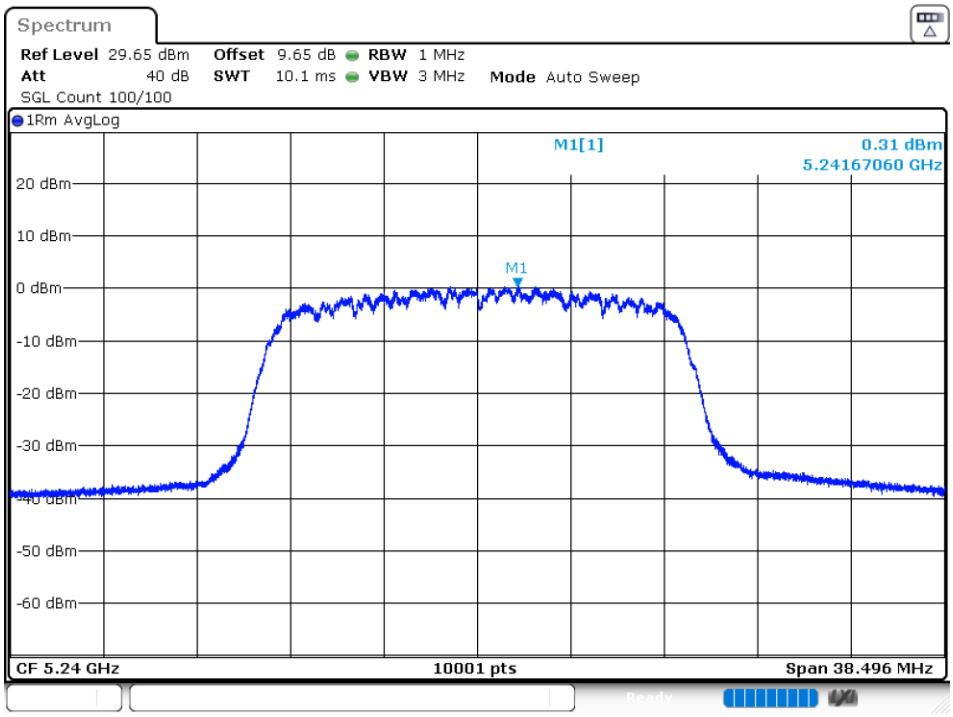
PSD NVNT 802.11a 5180MHz Ant1



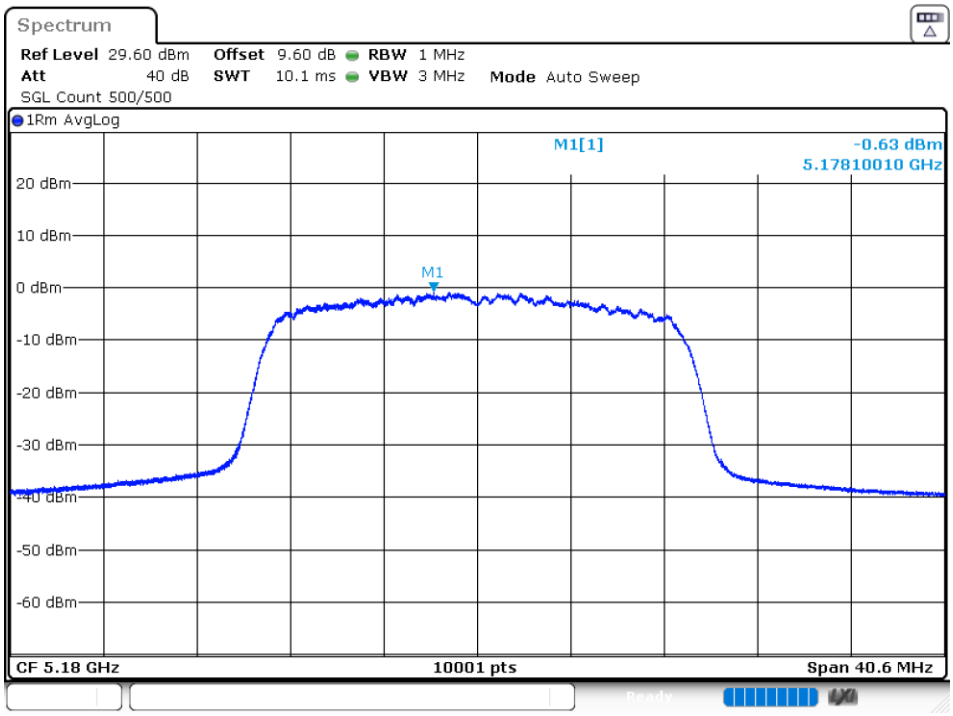
PSD NVNT 802.11a 5200MHz Ant1



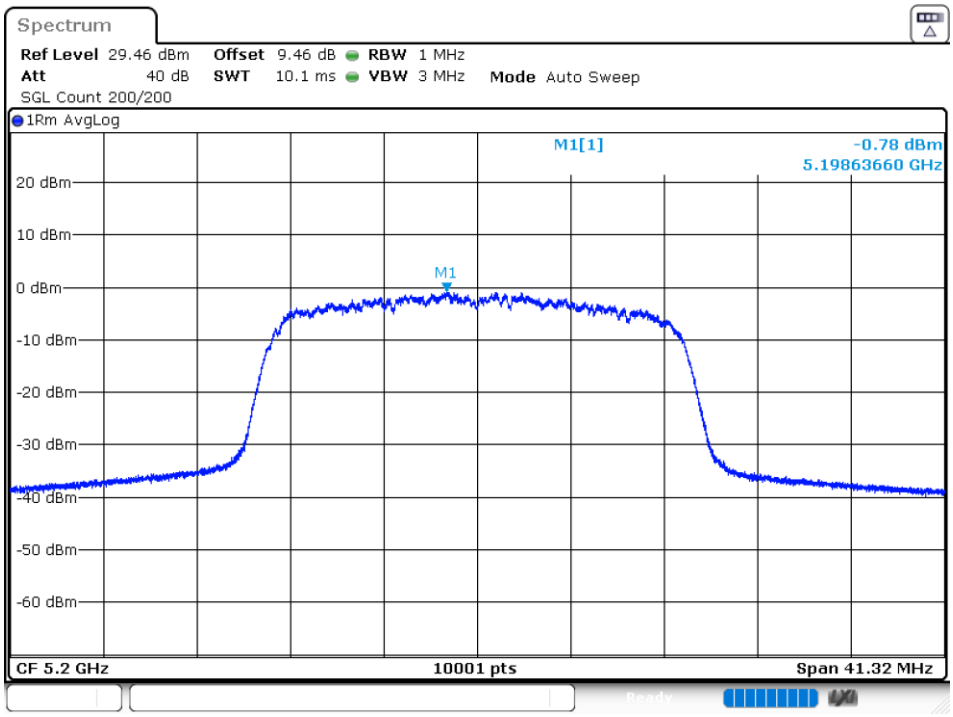
PSD NVNT 802.11a 5240MHz Ant1



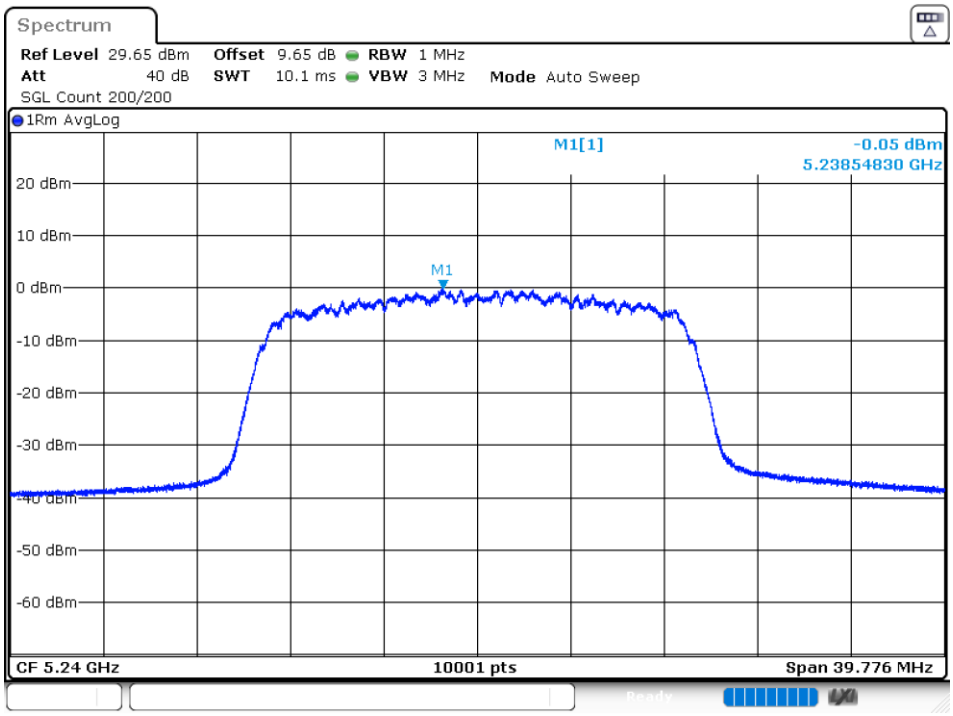
PSD NVNT 802.11ac20 5180MHz Ant1



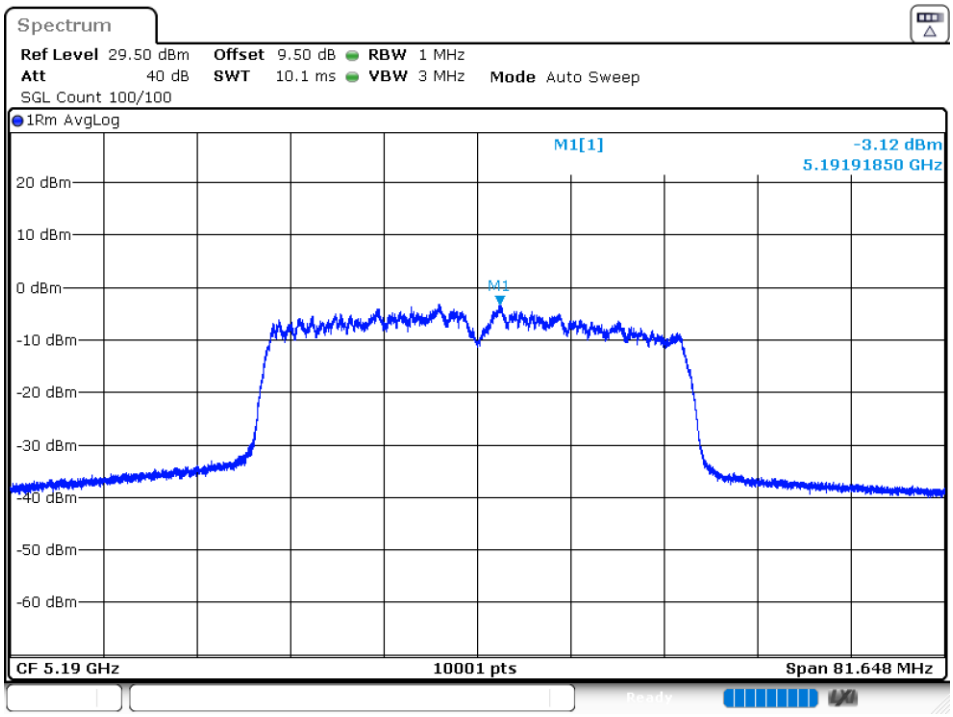
PSD NVNT 802.11ac20 5200MHz Ant1



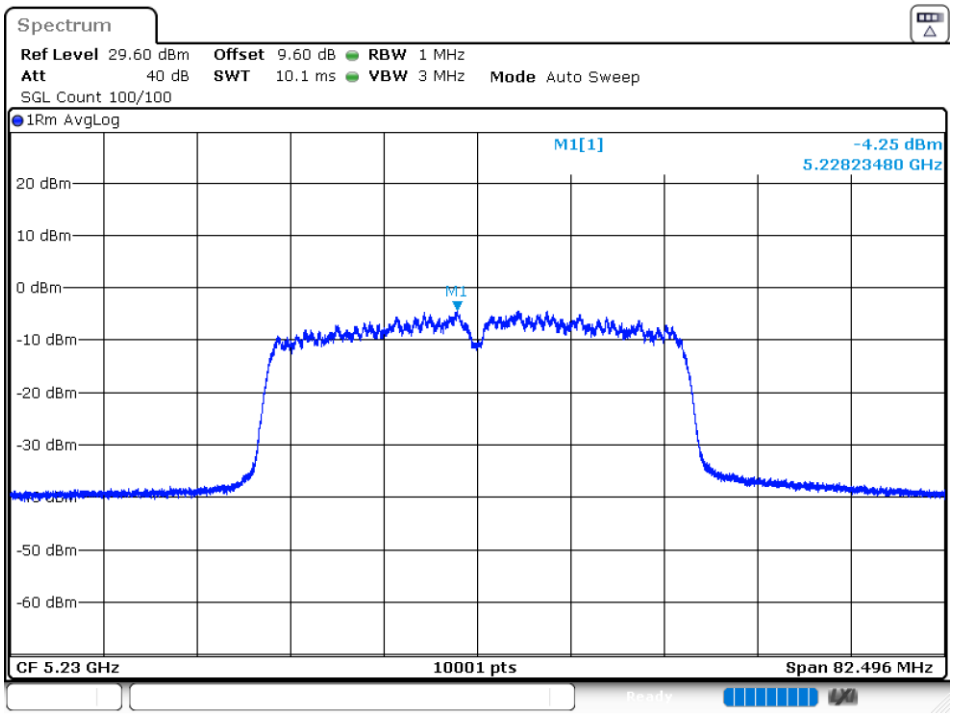
PSD NVNT 802.11ac20 5240MHz Ant1



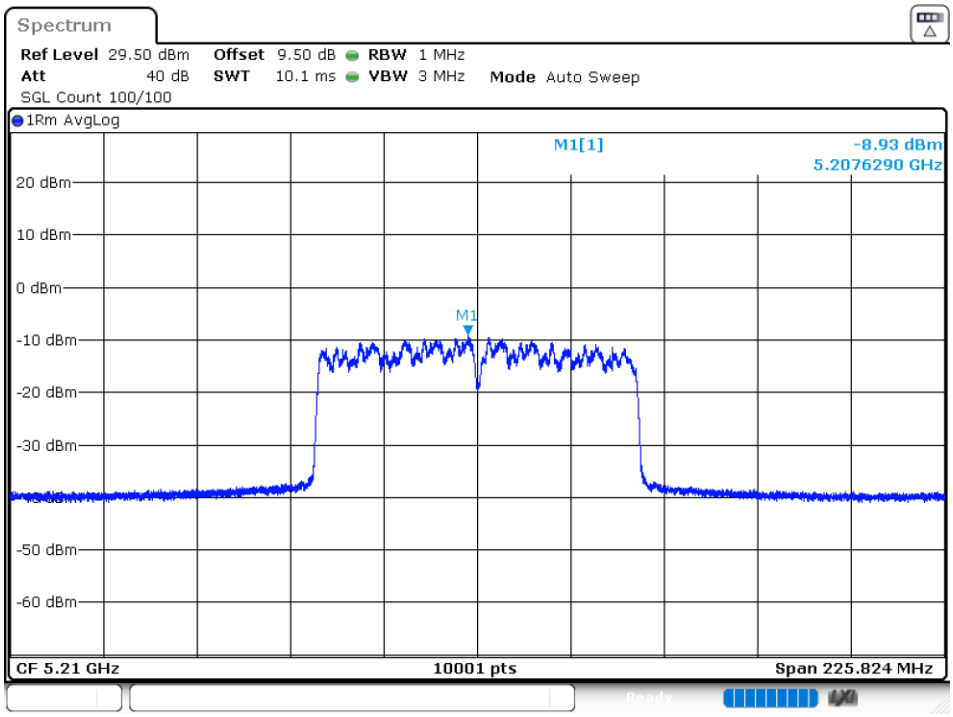
PSD NVNT 802.11ac40 5190MHz Ant1



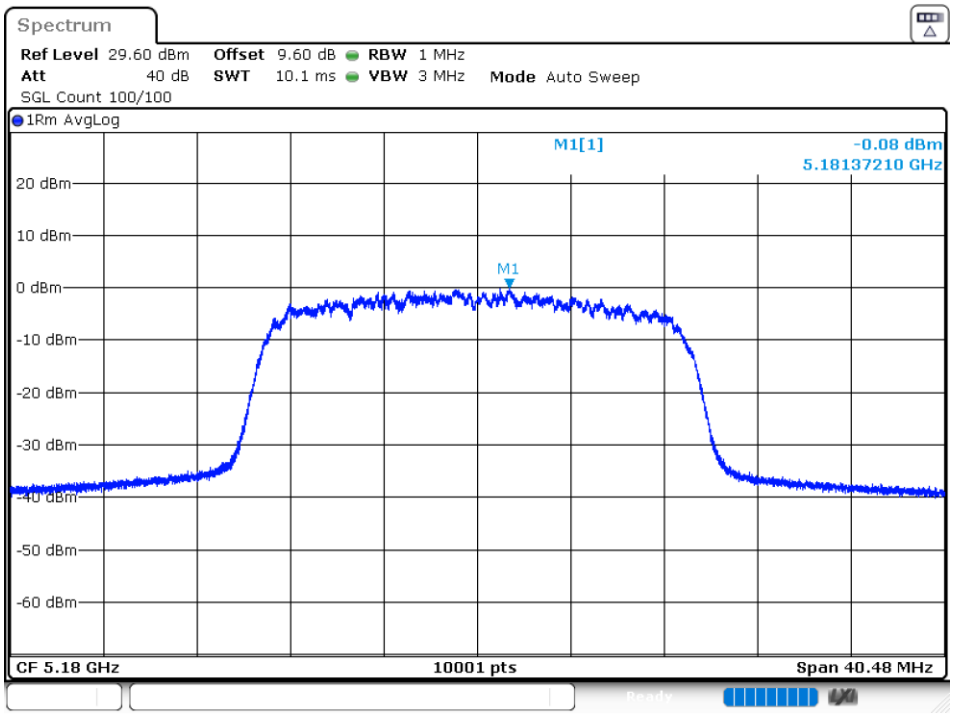
PSD NVNT 802.11ac40 5230MHz Ant1



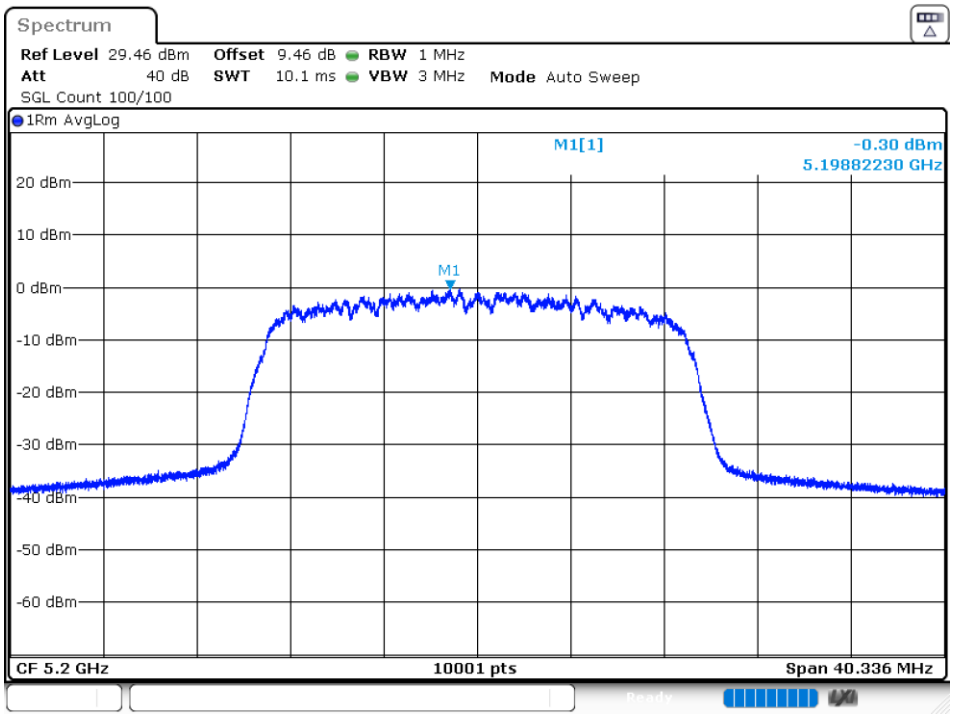
PSD NVNT 802.11ac80 5210MHz Ant1



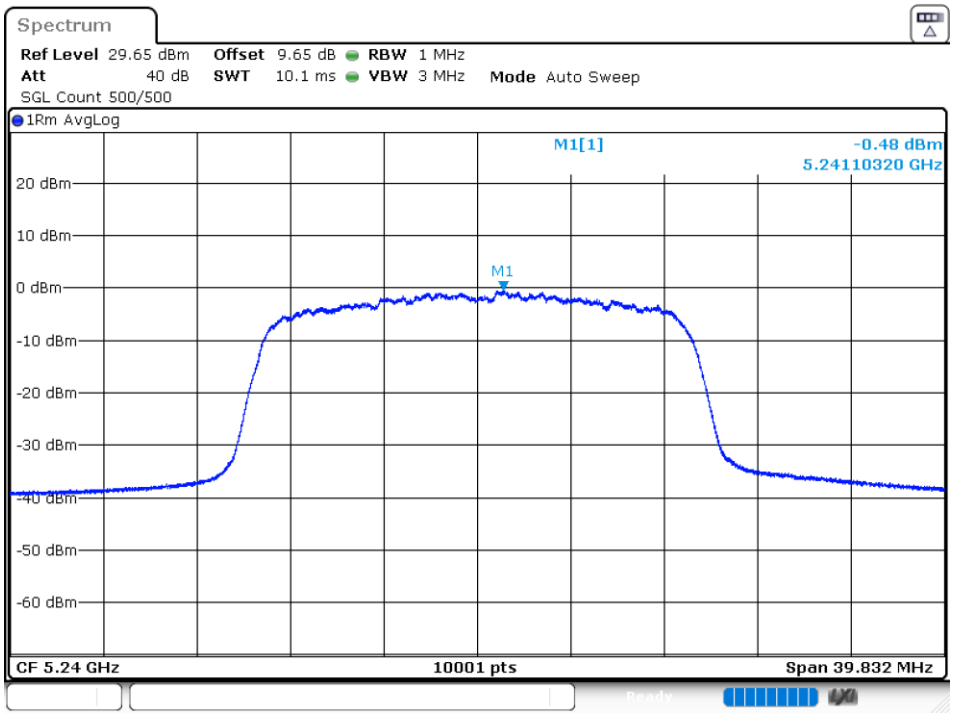
PSD NVNT 802.11n(HT20) 5180MHz Ant1



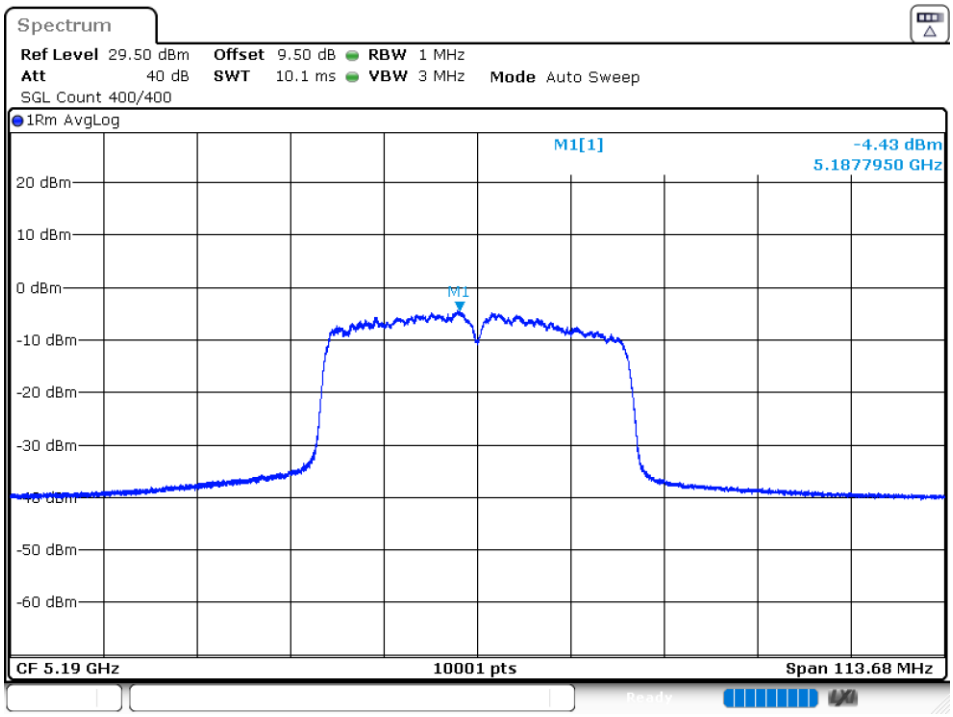
PSD NVNT 802.11n(HT20) 5200MHz Ant1



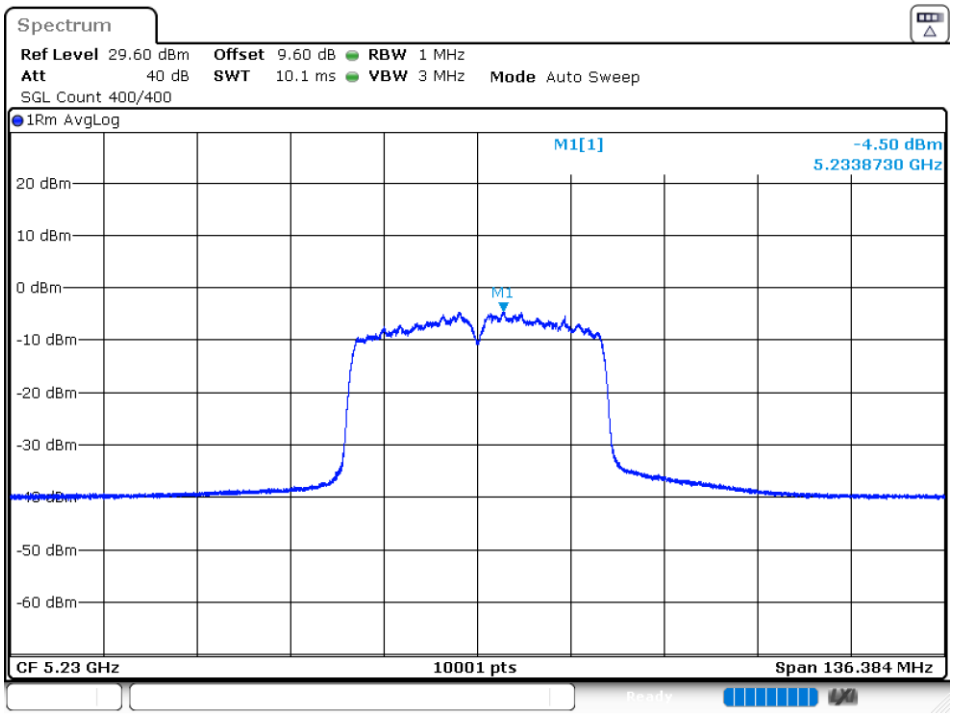
PSD NVNT 802.11n(HT20) 5240MHz Ant1



PSD NVNT 802.11n(HT40) 5190MHz Ant1



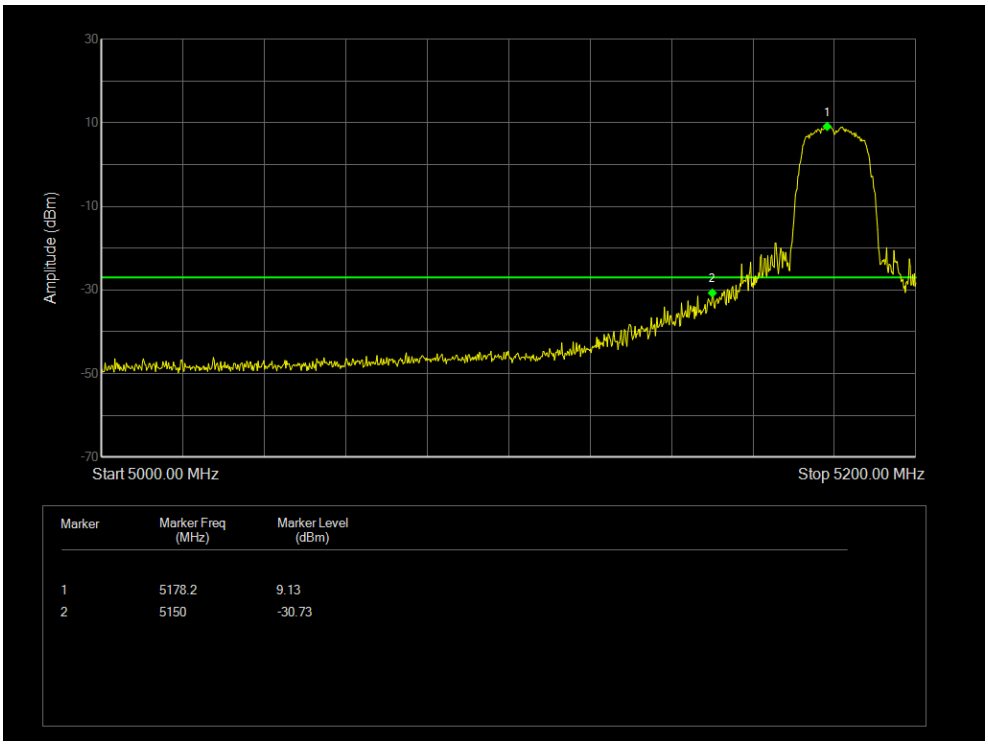
PSD NVNT 802.11n(HT40) 5230MHz Ant1



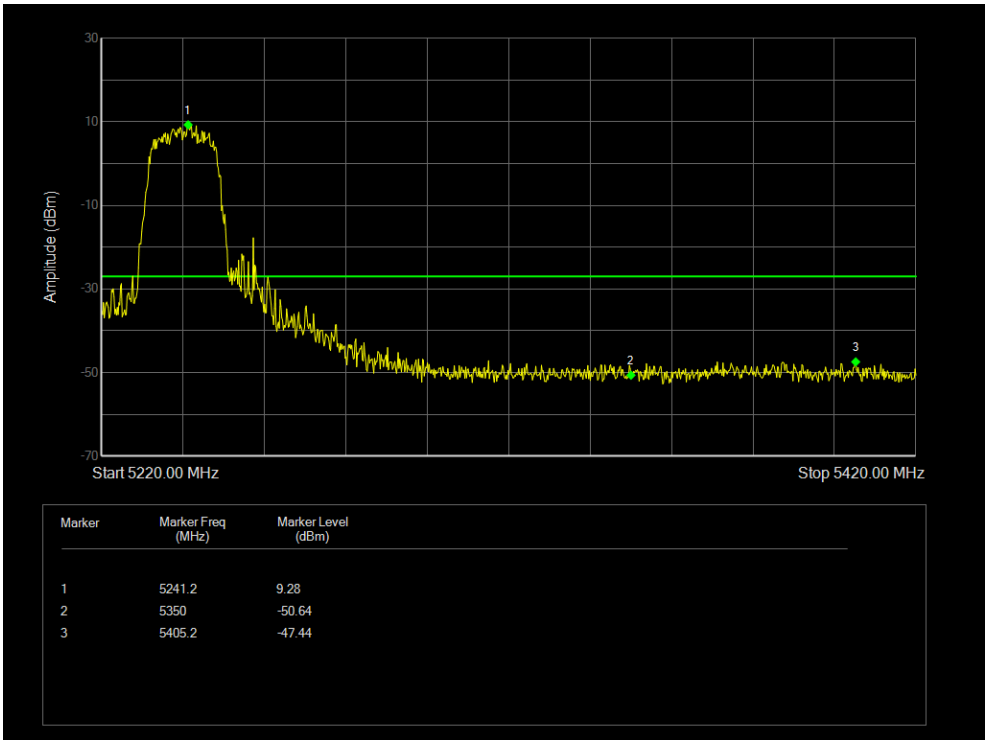
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-30.73	-27	Pass
NVNT	802.11a	5240	Ant 1	-47.44	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-34.33	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-46.33	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-28.33	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-46.83	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-50.19	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-27.15	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-30.9	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-47.82	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-27.79	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-45.98	-27	Pass

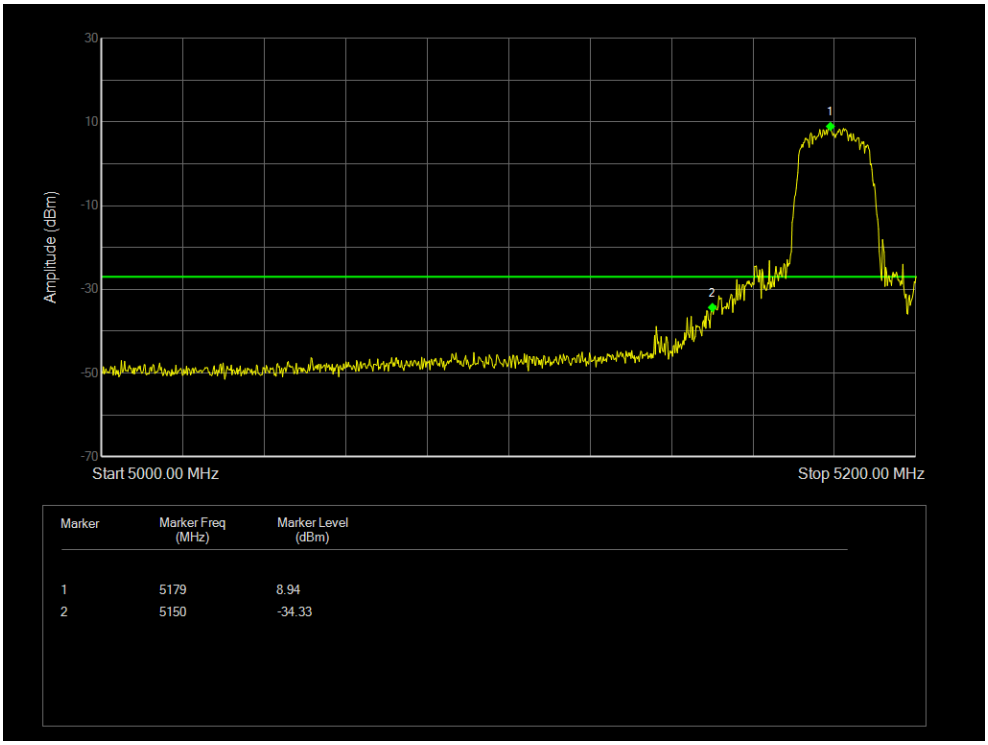
Band Edge NVNT 802.11a 5180MHz Low Ant1



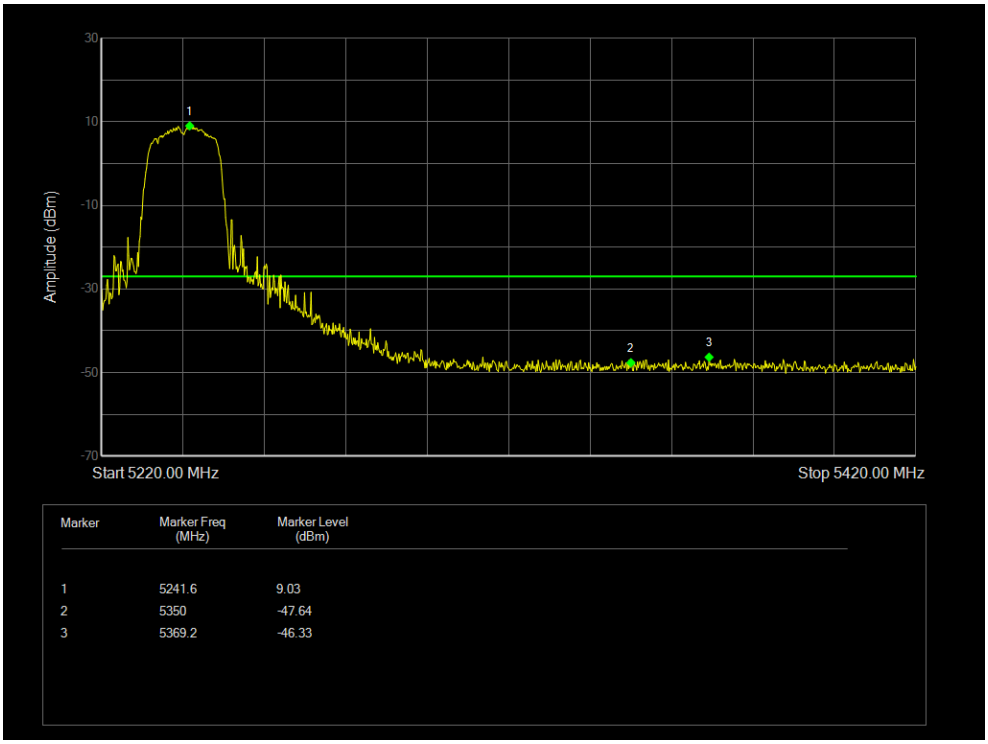
Band Edge NVNT 802.11a 5240MHz High Ant1



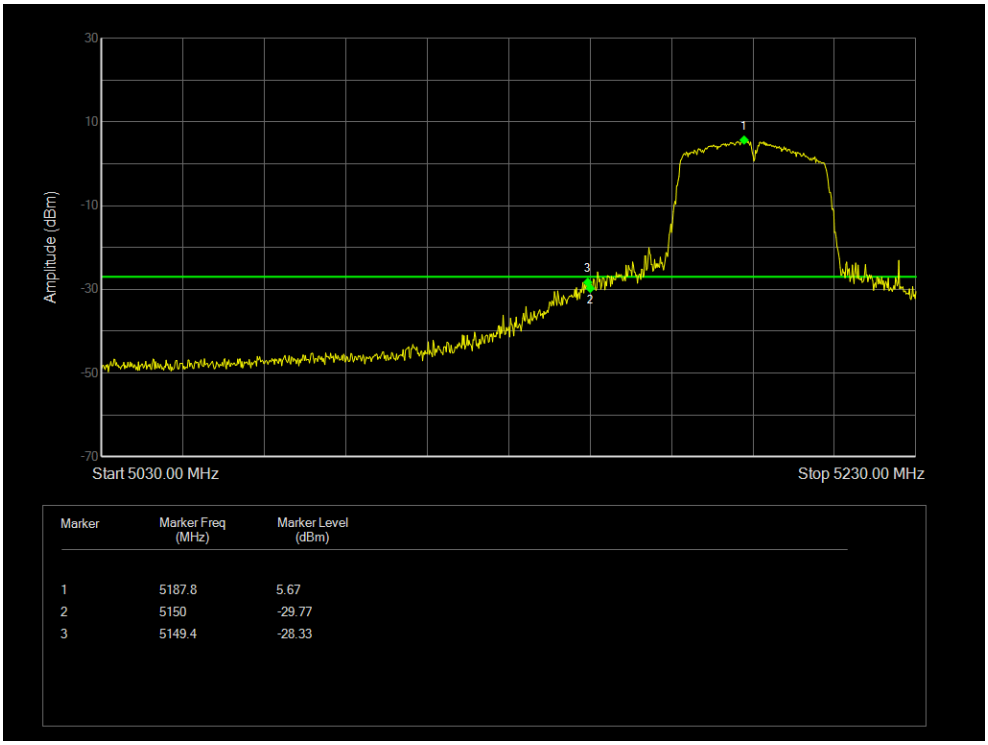
Band Edge NVNT 802.11ac20 5180MHz Low Ant1



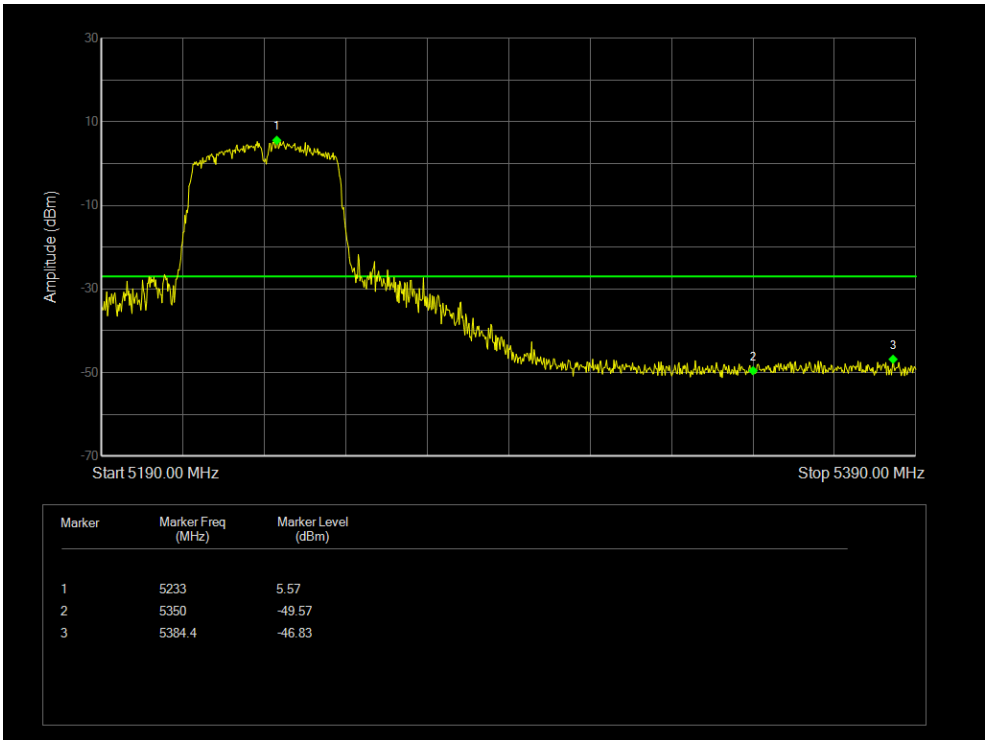
Band Edge NVNT 802.11ac20 5240MHz High Ant1



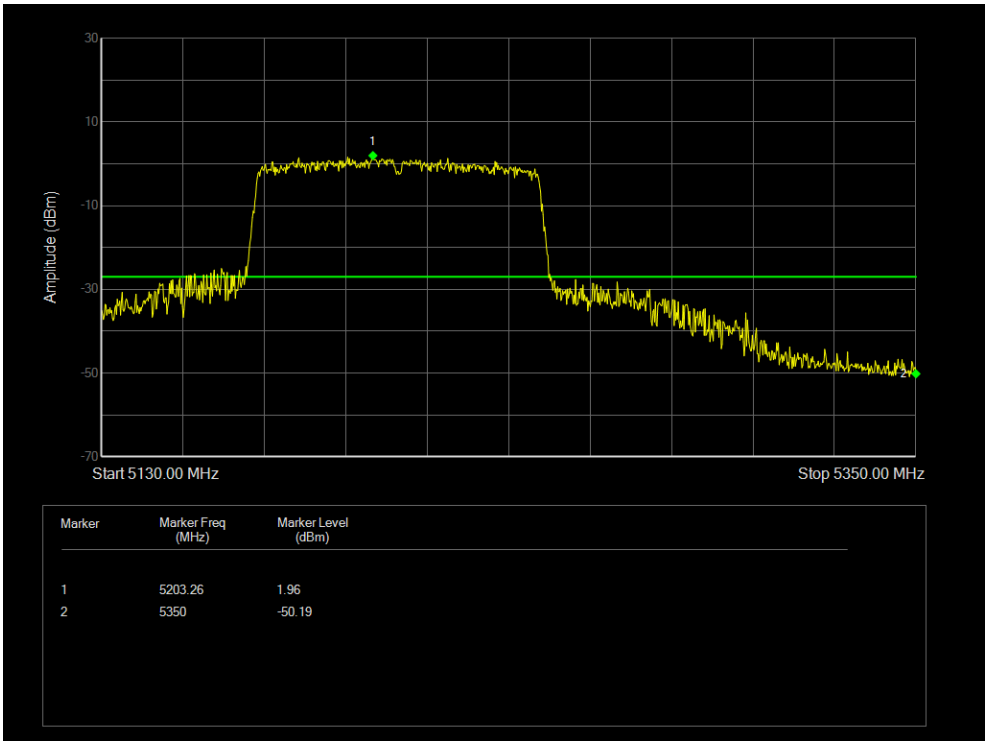
Band Edge NVNT 802.11ac40 5190MHz Low Ant1



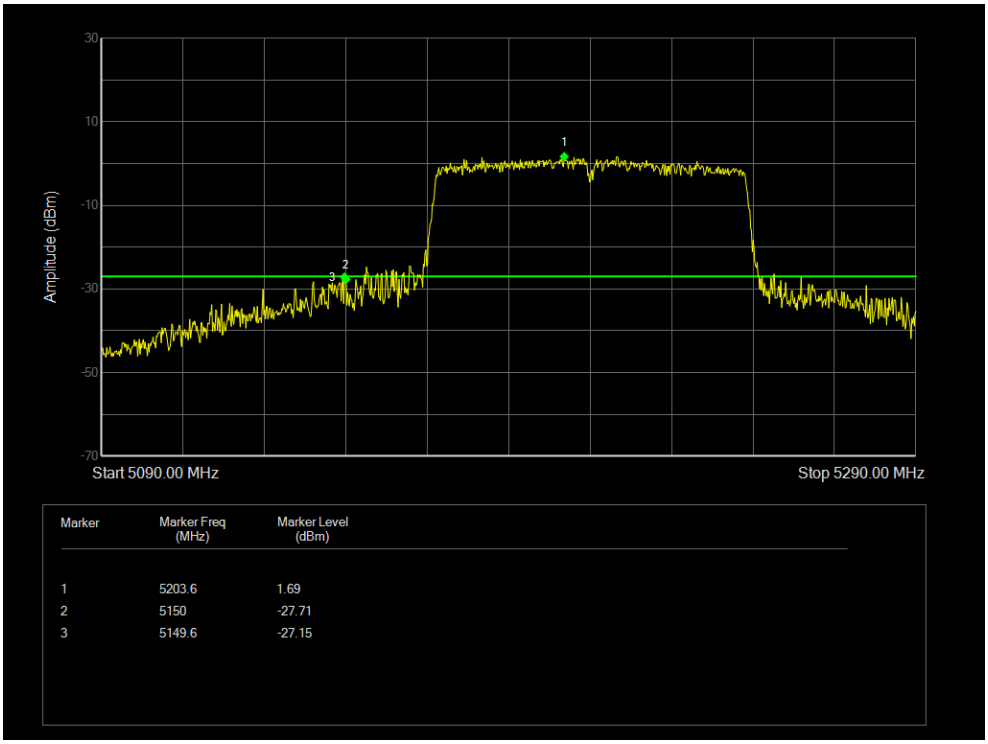
Band Edge NVNT 802.11ac40 5230MHz High Ant1



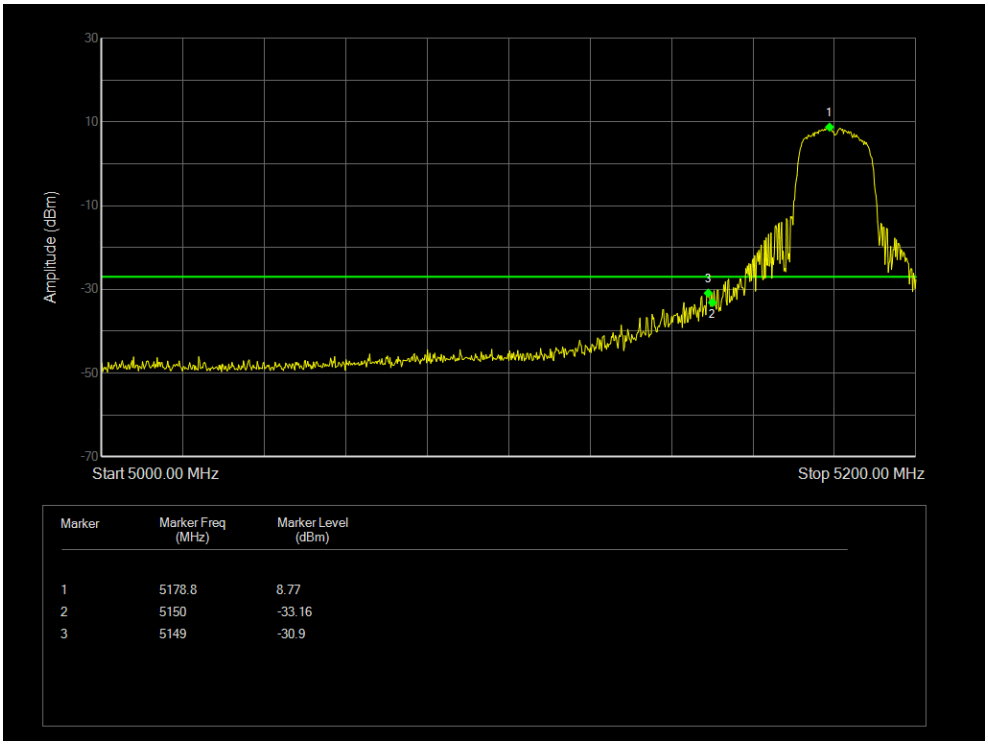
Band Edge NVNT 802.11ac80 5210MHz High Ant1



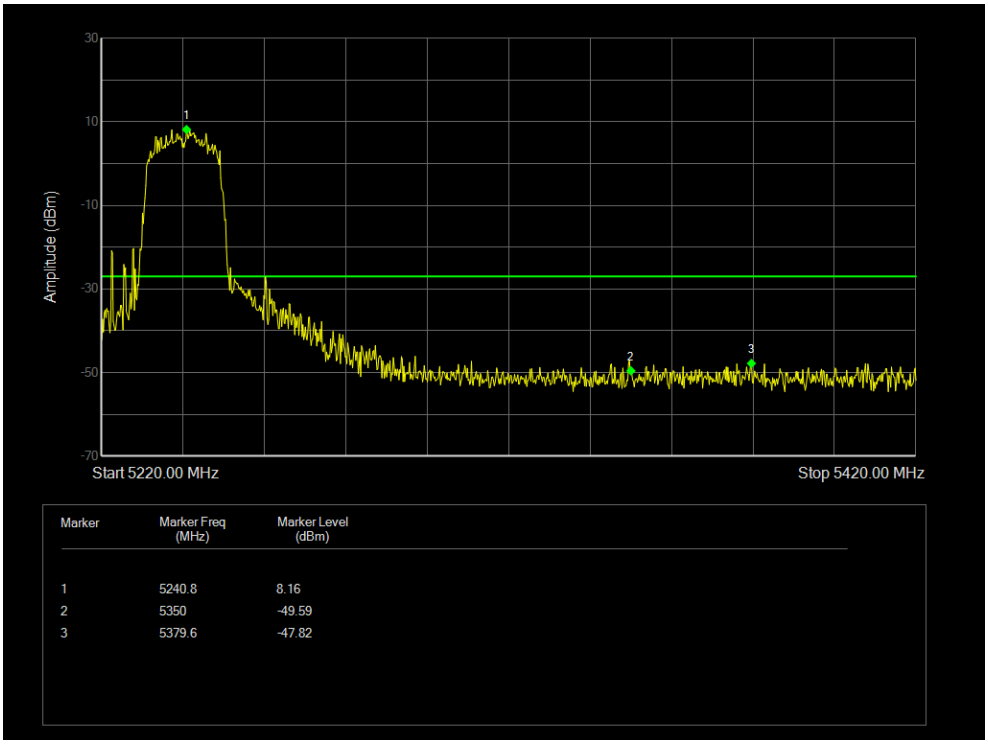
Band Edge NVNT 802.11ac80 5210MHz Low Ant1



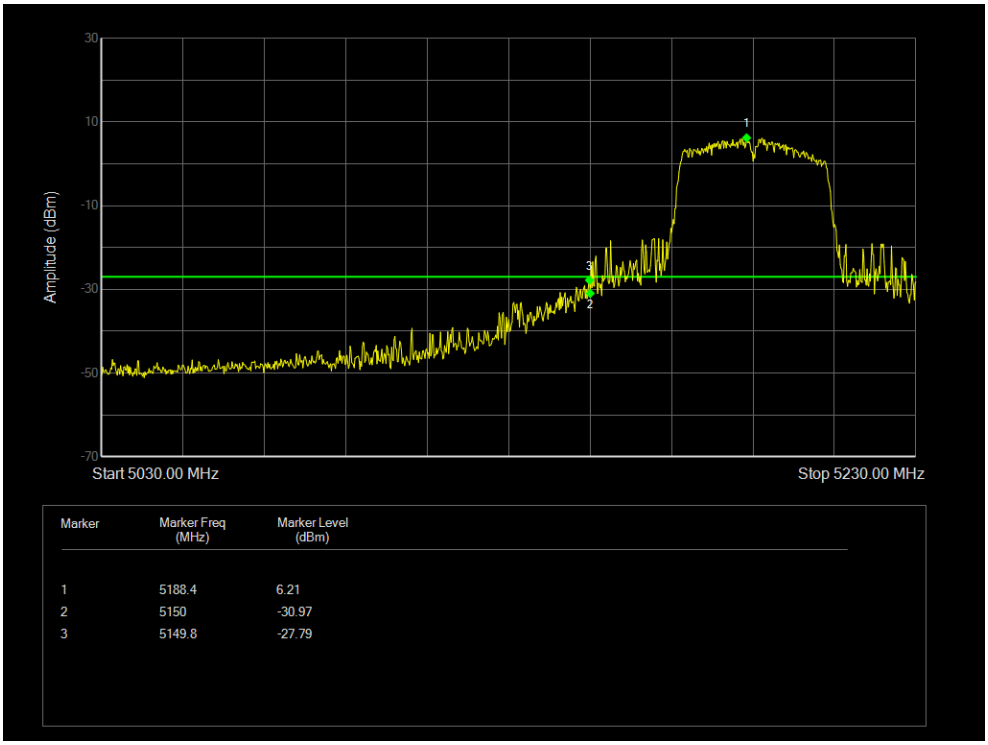
Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant1



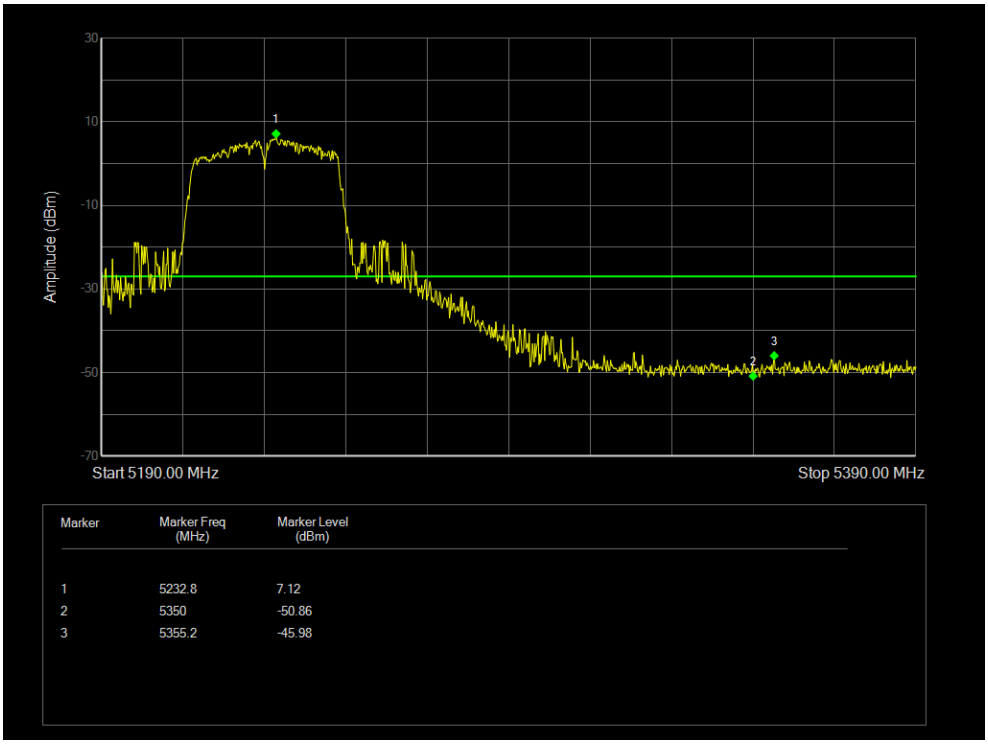
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant1



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



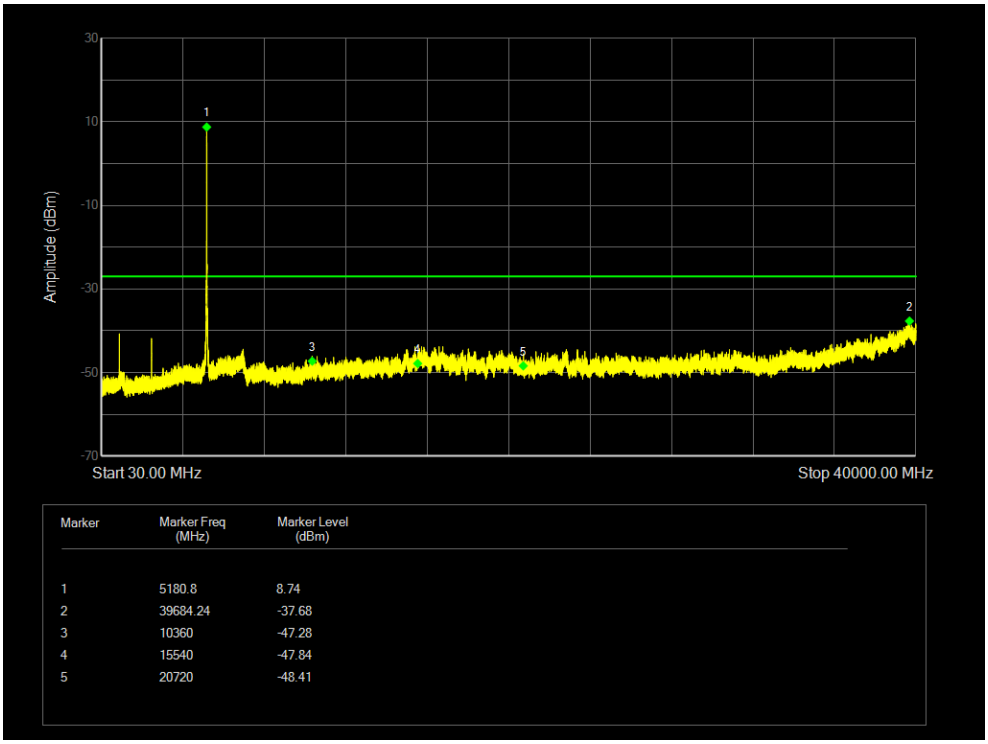
Band Edge NVNT 802.11n(HT40) 5230MHz High Ant1



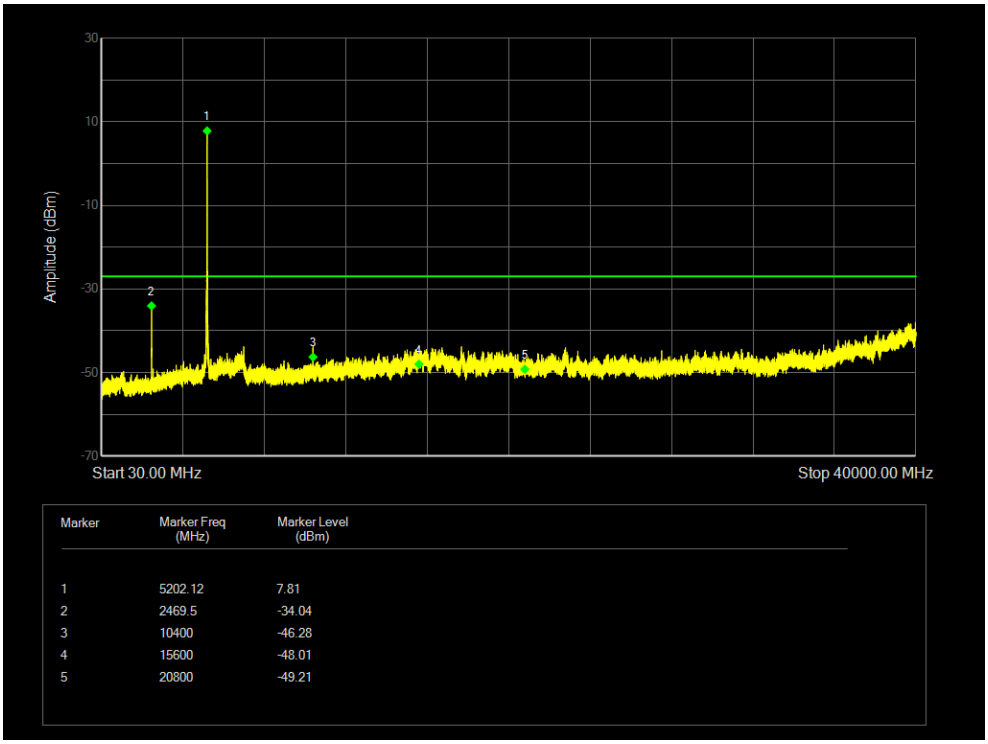
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-37.68	-27	Pass
NVNT	802.11a	5200	Ant 1	-34.04	-27	Pass
NVNT	802.11a	5240	Ant 1	-37.98	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-37.83	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-37.43	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-36.85	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-37.21	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-37.57	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-38.22	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-38.07	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-37.16	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-38.08	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-38.3	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-37.16	-27	Pass

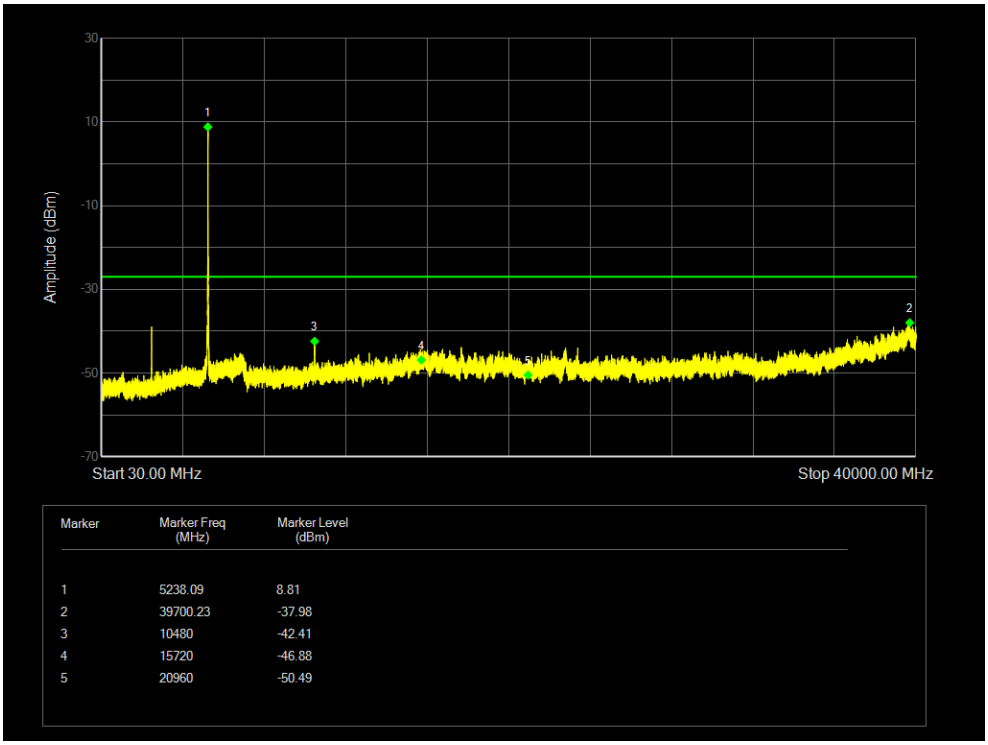
Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



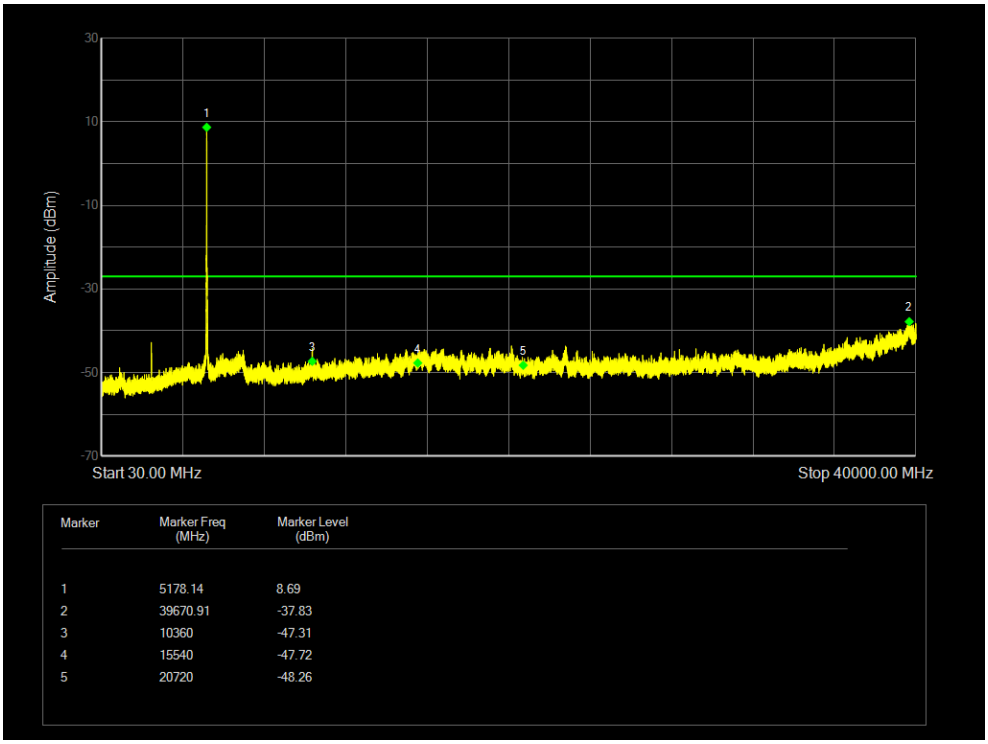
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission



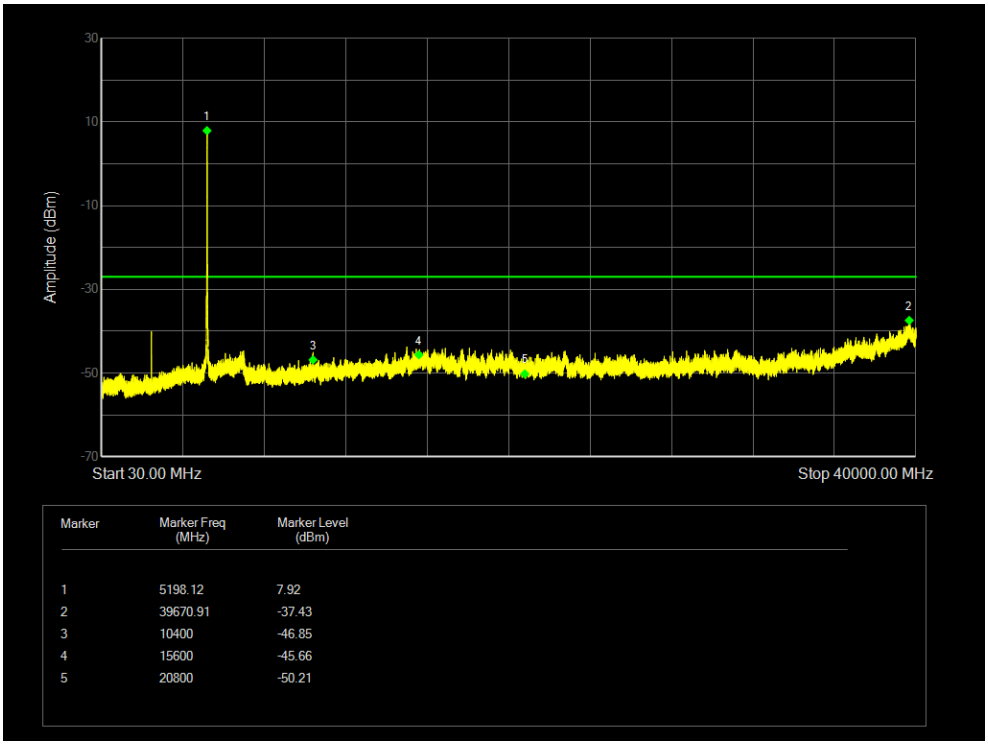
Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission



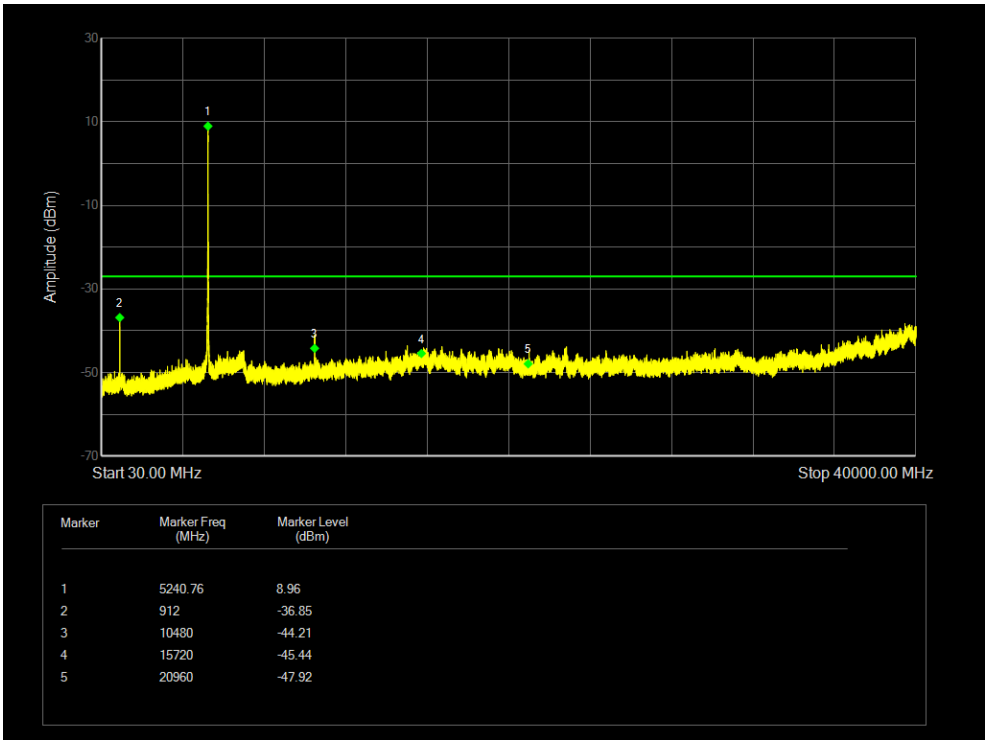
Tx. Spurious NVNT 802.11ac20 5180MHz Ant1 Emission



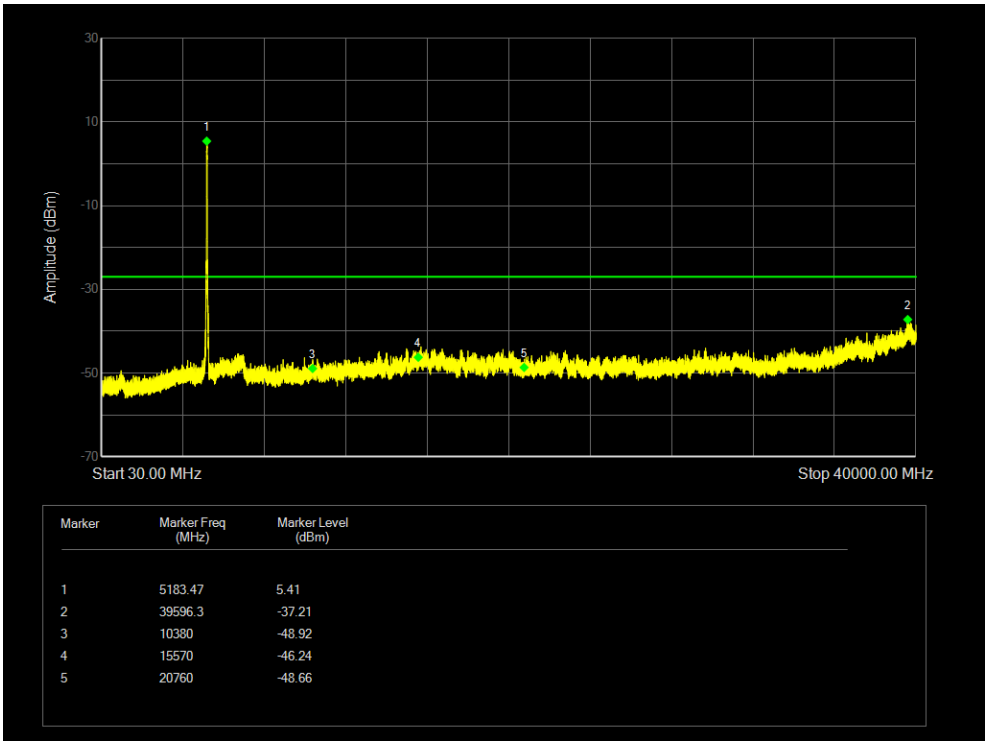
Tx. Spurious NVNT 802.11ac20 5200MHz Ant1 Emission



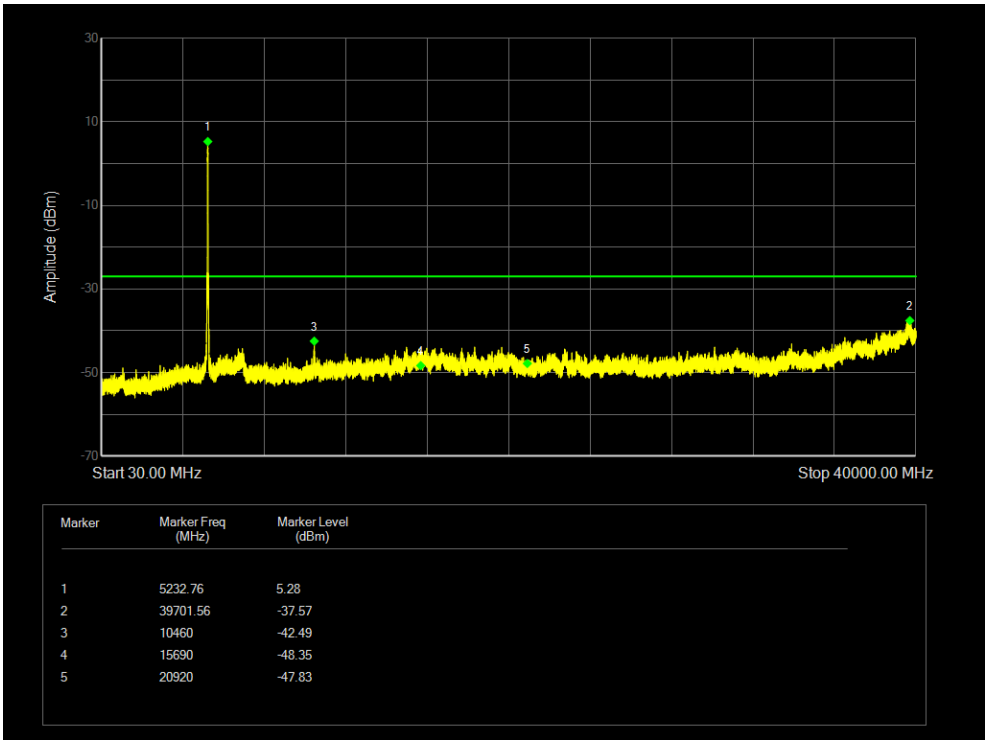
Tx. Spurious NVNT 802.11ac20 5240MHz Ant1 Emission



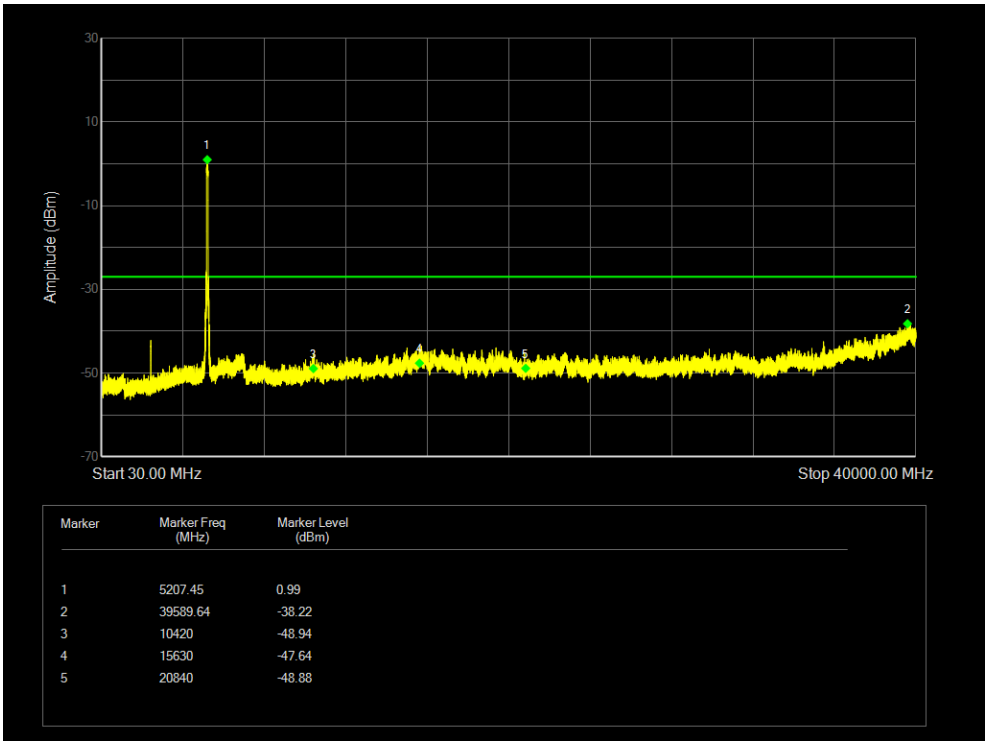
Tx. Spurious NVNT 802.11ac40 5190MHz Ant1 Emission



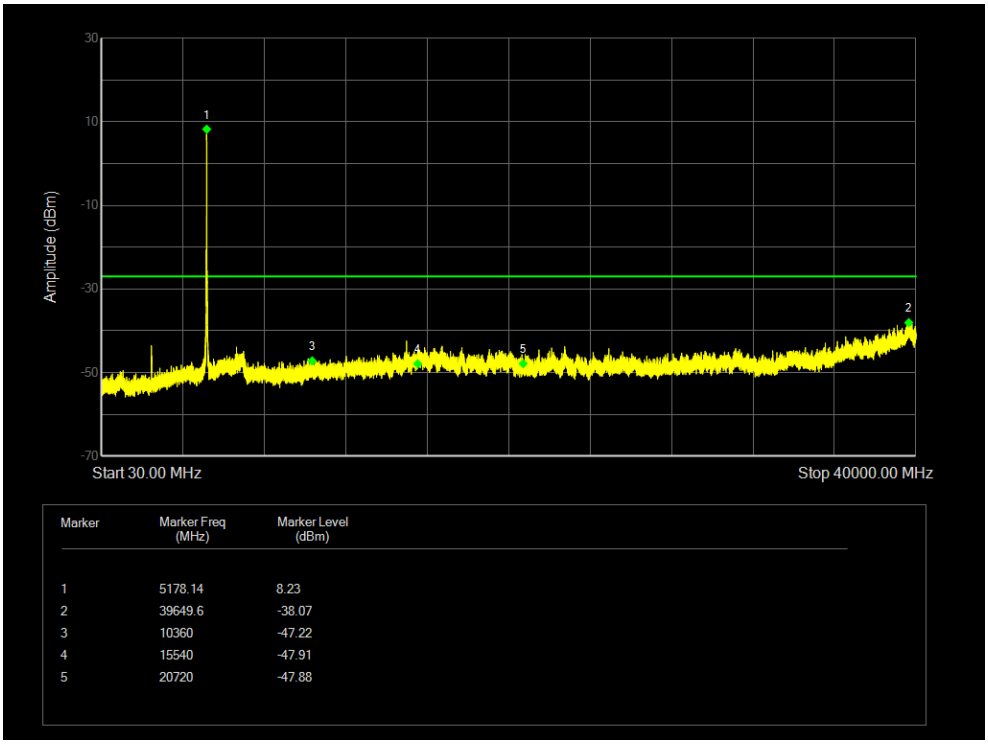
Tx. Spurious NVNT 802.11ac40 5230MHz Ant1 Emission



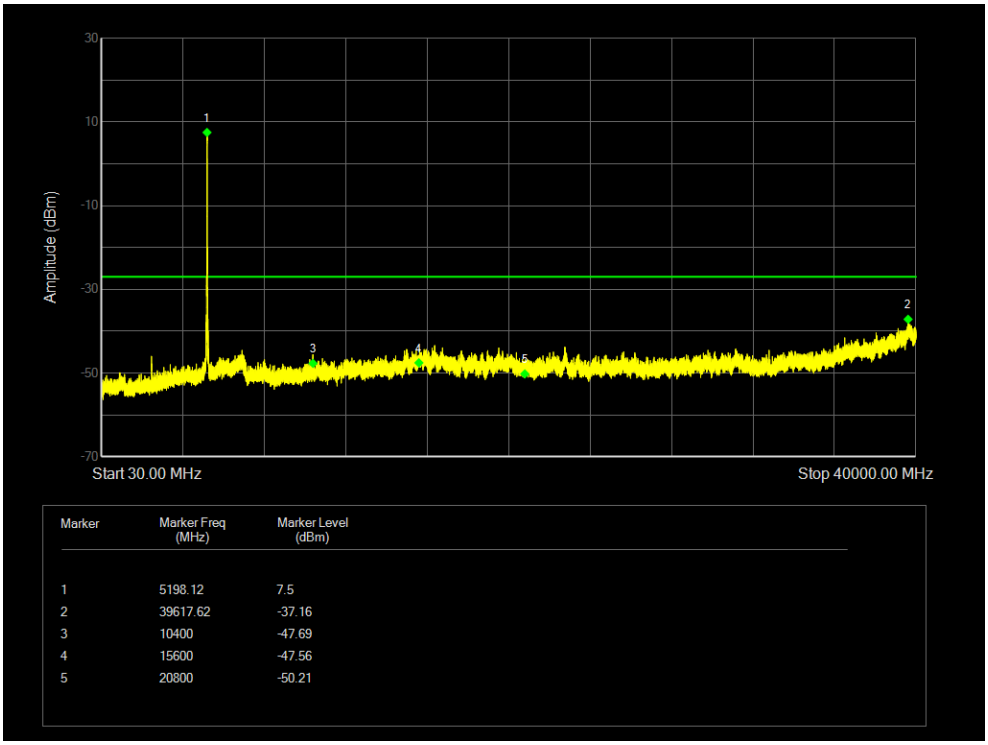
Tx. Spurious NVNT 802.11ac80 5210MHz Ant1 Emission



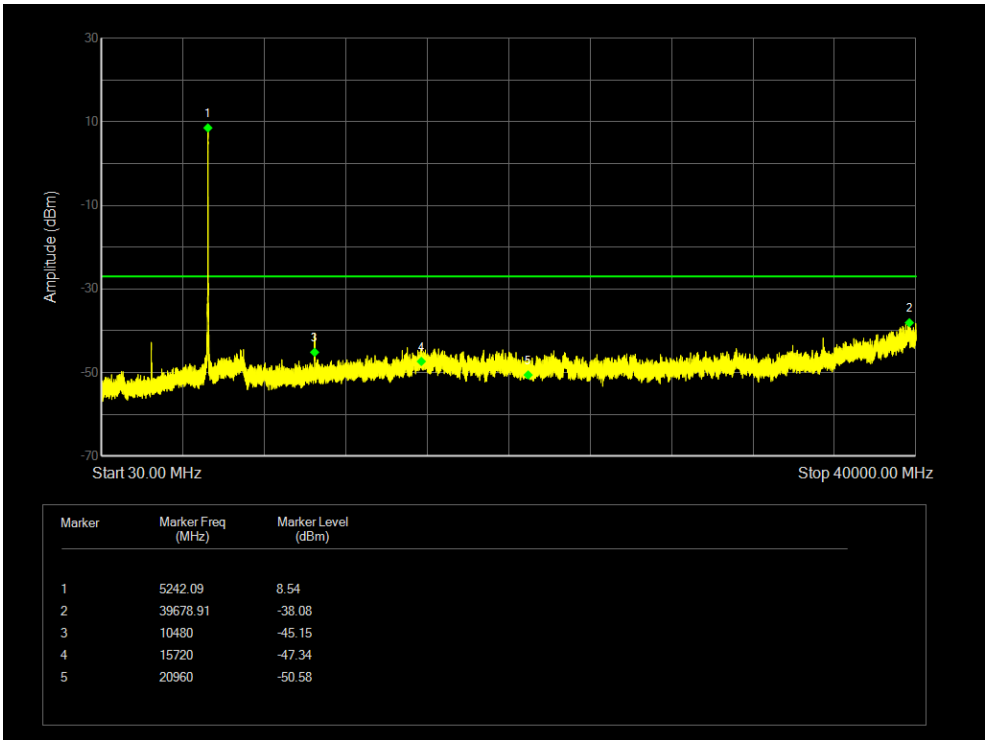
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission



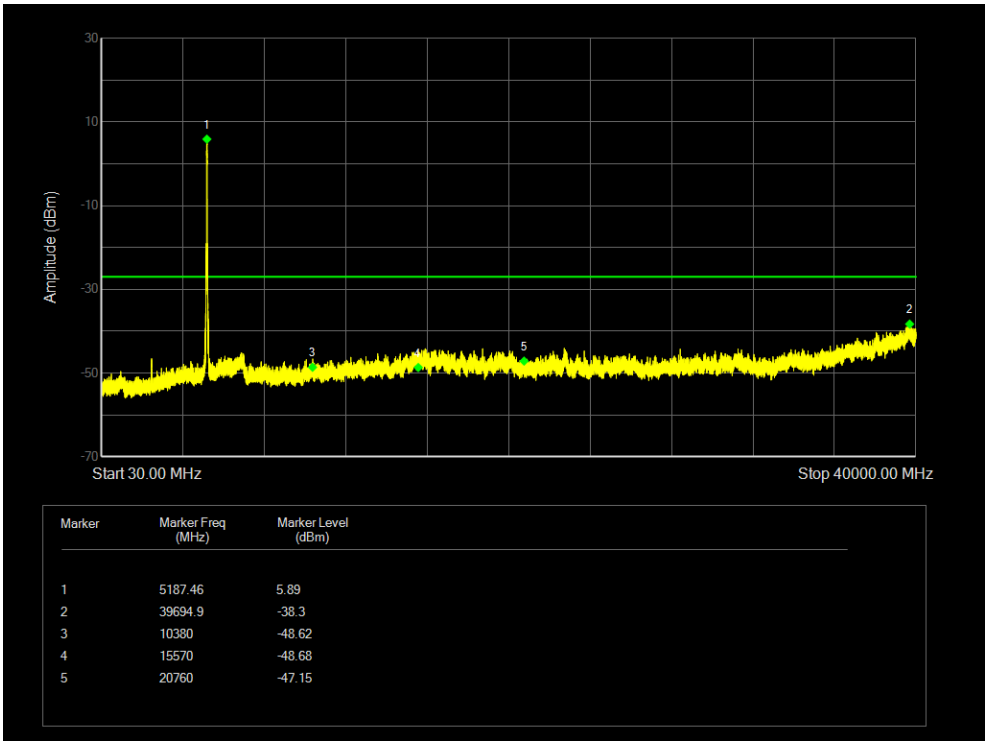
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant1 Emission



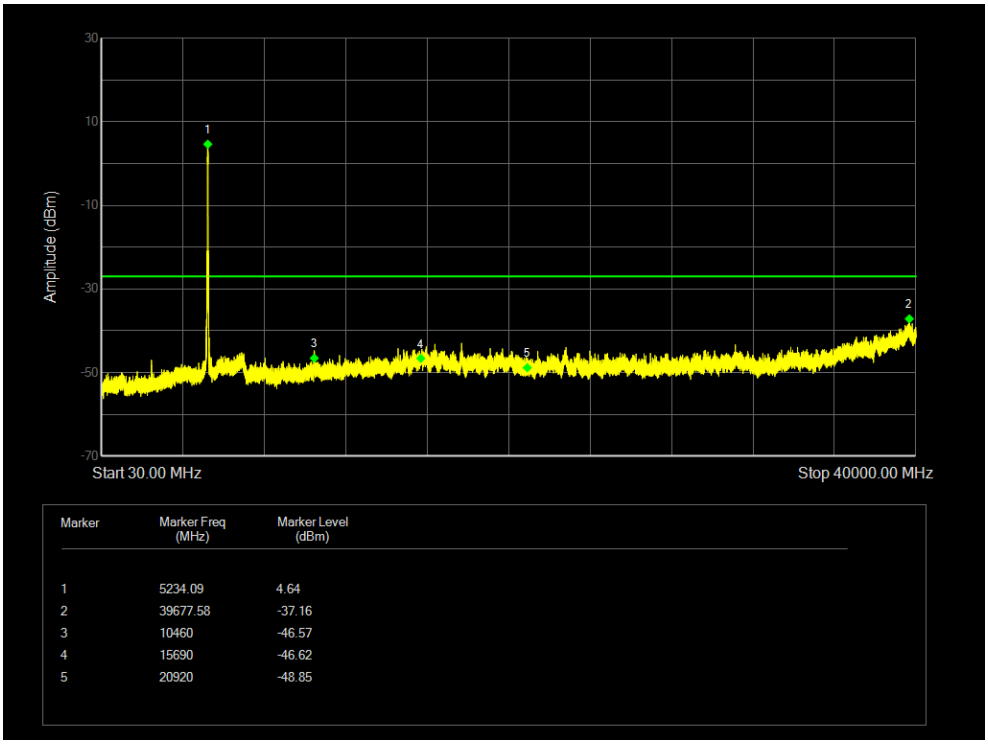
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission



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



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



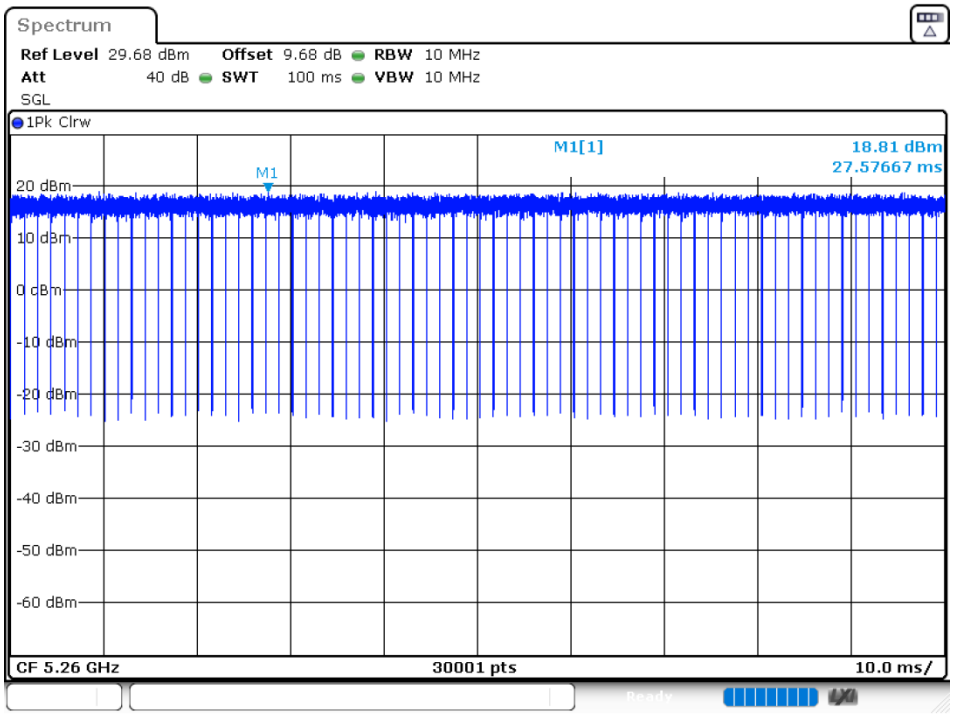
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5234.09	4.64
2	39677.58	-37.16
3	10460	-46.57
4	15690	-46.62
5	20920	-48.85

5.3G:

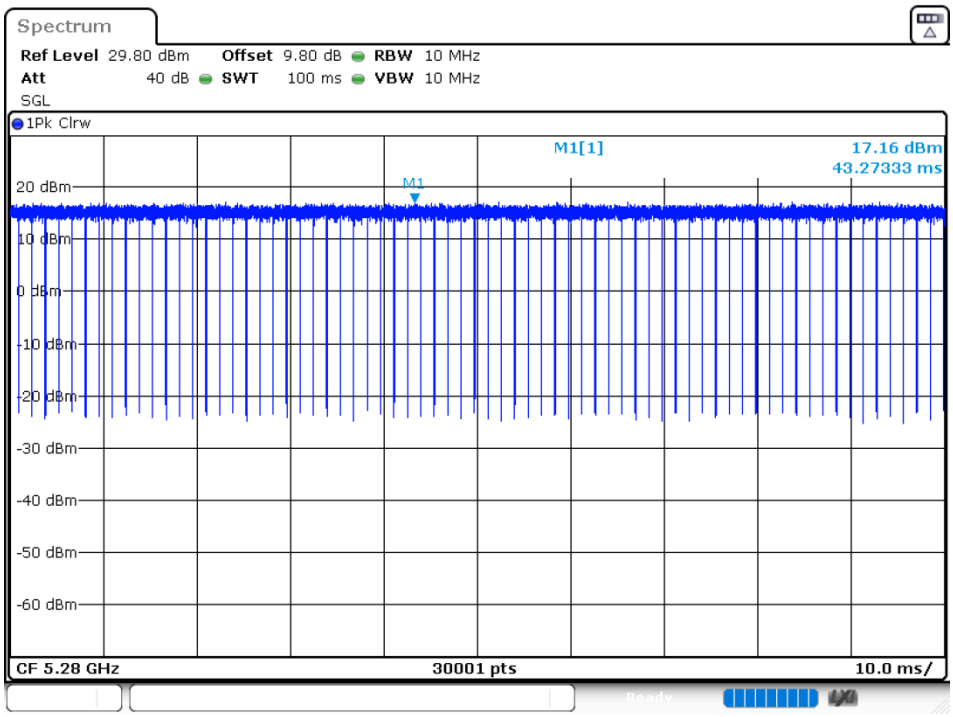
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5260	97.12	0.13
NVNT	802.11a	5280	97.12	0.13
NVNT	802.11a	5320	97.12	0.13
NVNT	802.11ac20	5260	96.95	0.13
NVNT	802.11ac20	5280	96.99	0.13
NVNT	802.11ac20	5320	96.95	0.13
NVNT	802.11ac40	5270	94.11	0.26
NVNT	802.11ac40	5310	94.09	0.26
NVNT	802.11ac80	5290	88.87	0.51
NVNT	802.11n(HT20)	5260	96.95	0.13
NVNT	802.11n(HT20)	5280	96.96	0.13
NVNT	802.11n(HT20)	5320	96.95	0.13
NVNT	802.11n(HT40)	5270	94.09	0.26
NVNT	802.11n(HT40)	5310	94.1	0.26

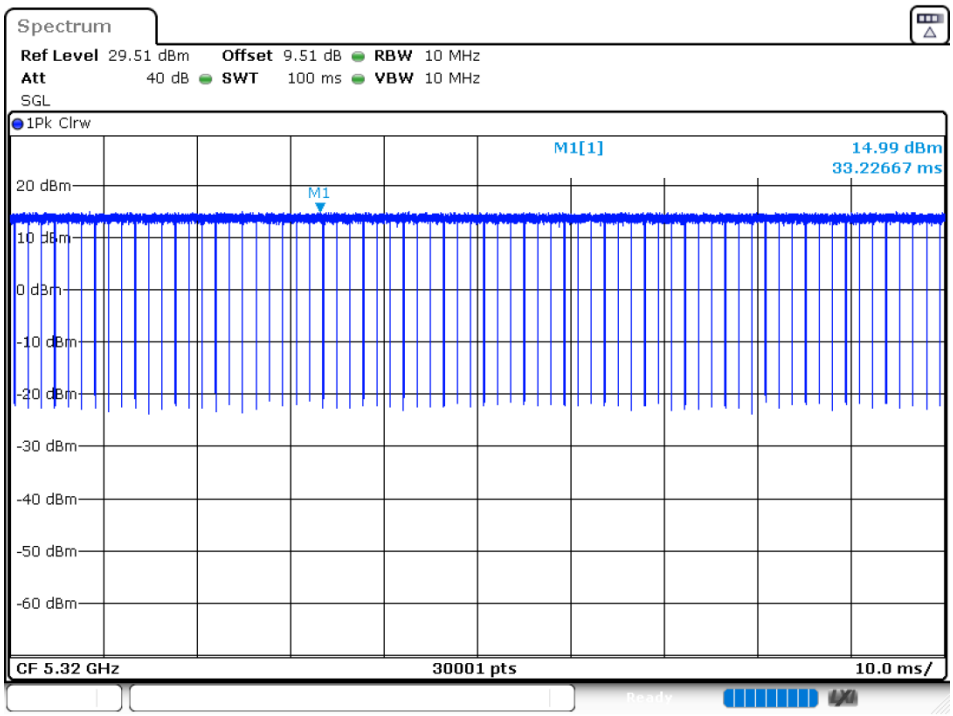
Duty Cycle NVNT 802.11a 5260MHz



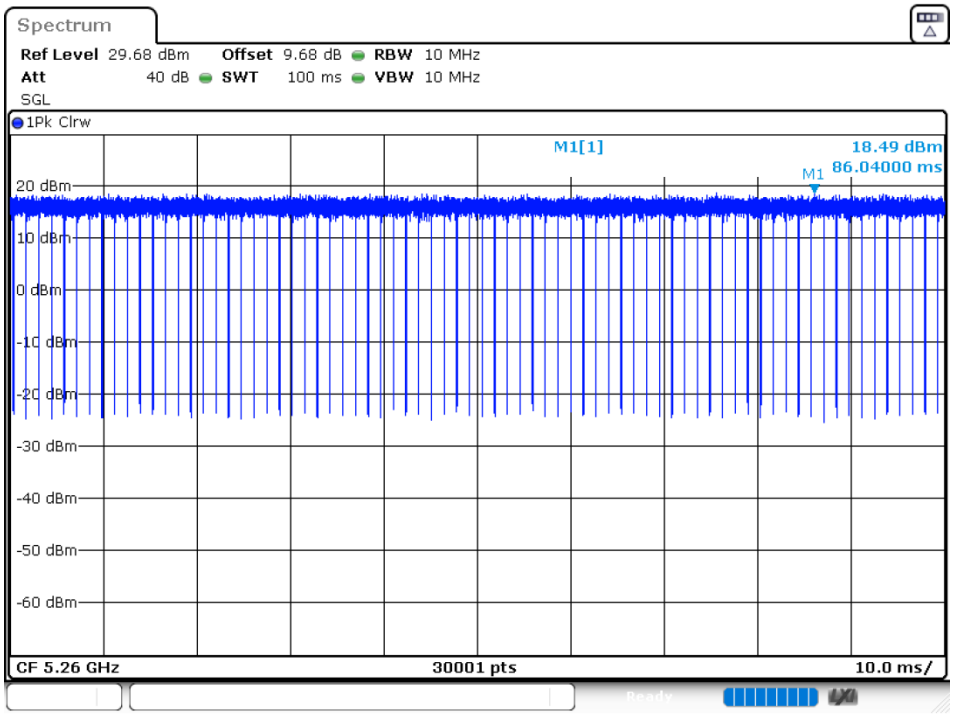
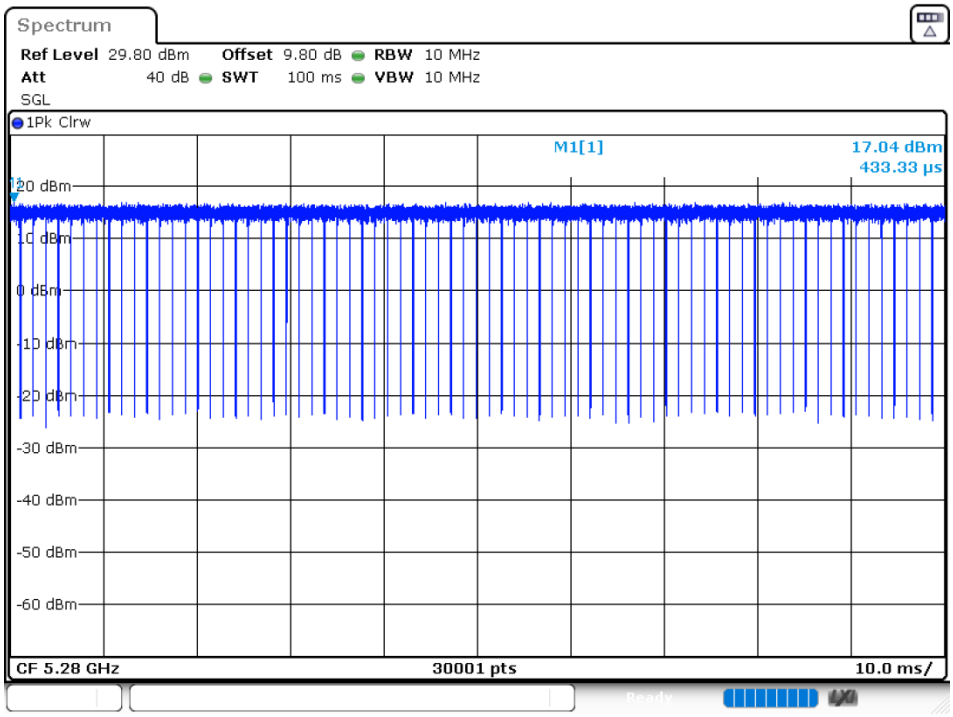
Duty Cycle NVNT 802.11a 5280MHz



Duty Cycle NVNT 802.11a 5320MHz



Duty Cycle NVNT 802.11ac20 5260MHz



Duty Cycle NVNT 802.11ac20 5280MHz