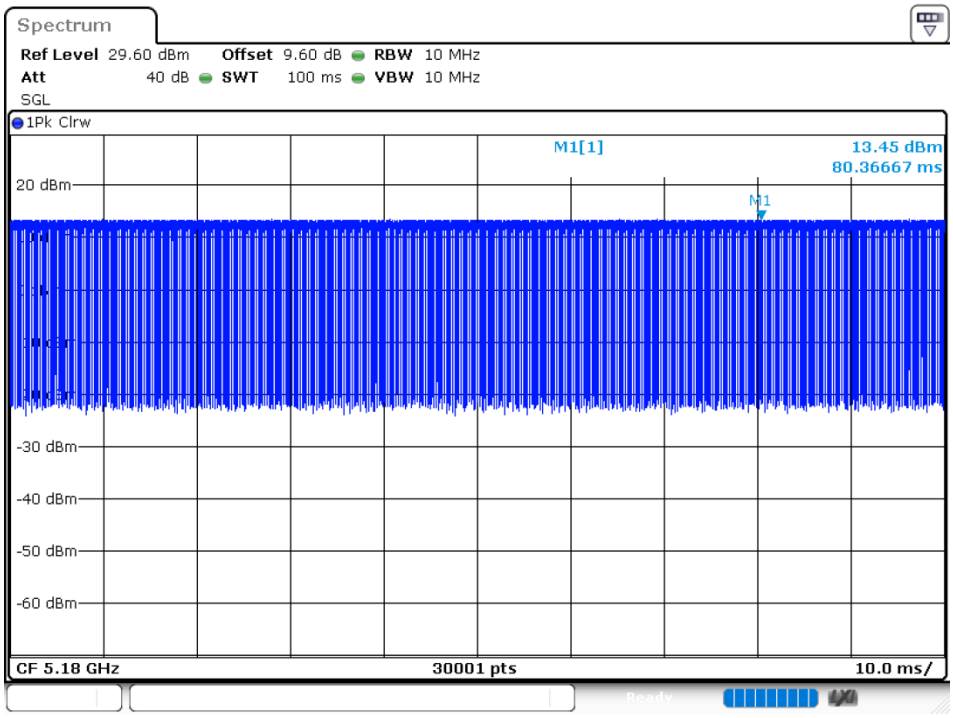
5.2G

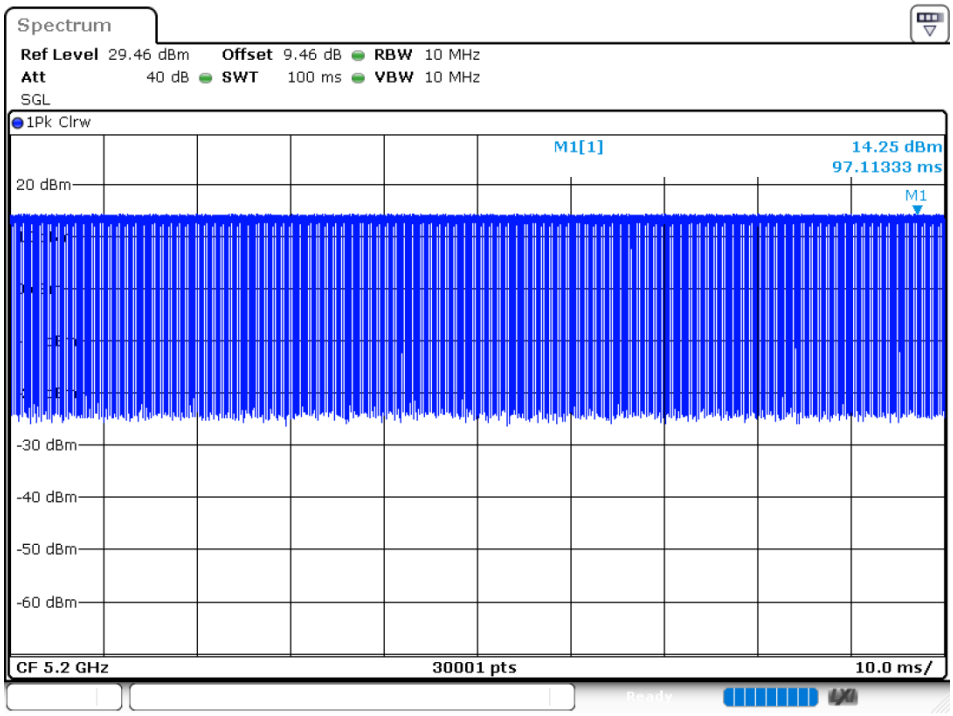
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5180	80.37	0.95
NVNT	802.11a	5200	80.45	0.94
NVNT	802.11a	5240	80.48	0.94
NVNT	802.11ac20	5180	79.4	1
NVNT	802.11ac20	5200	79.42	1
NVNT	802.11ac20	5240	79.41	1
NVNT	802.11n(HT20)	5180	79.04	1.02
NVNT	802.11n(HT20)	5200	79.06	1.02
NVNT	802.11n(HT20)	5240	79.02	1.02

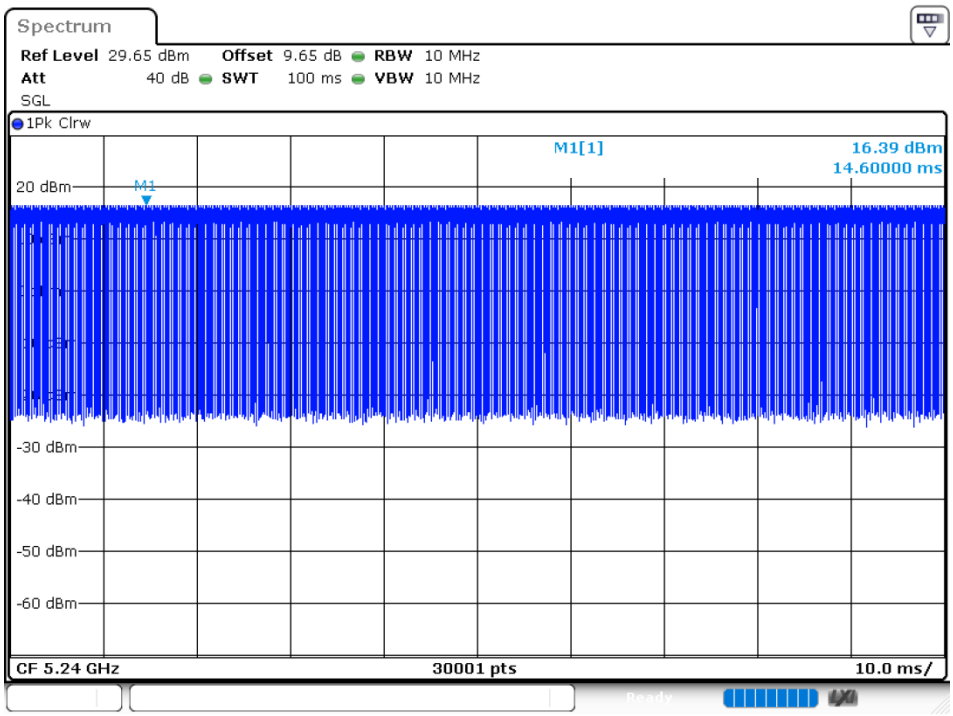
Duty Cycle NVNT 802.11a 5180MHz



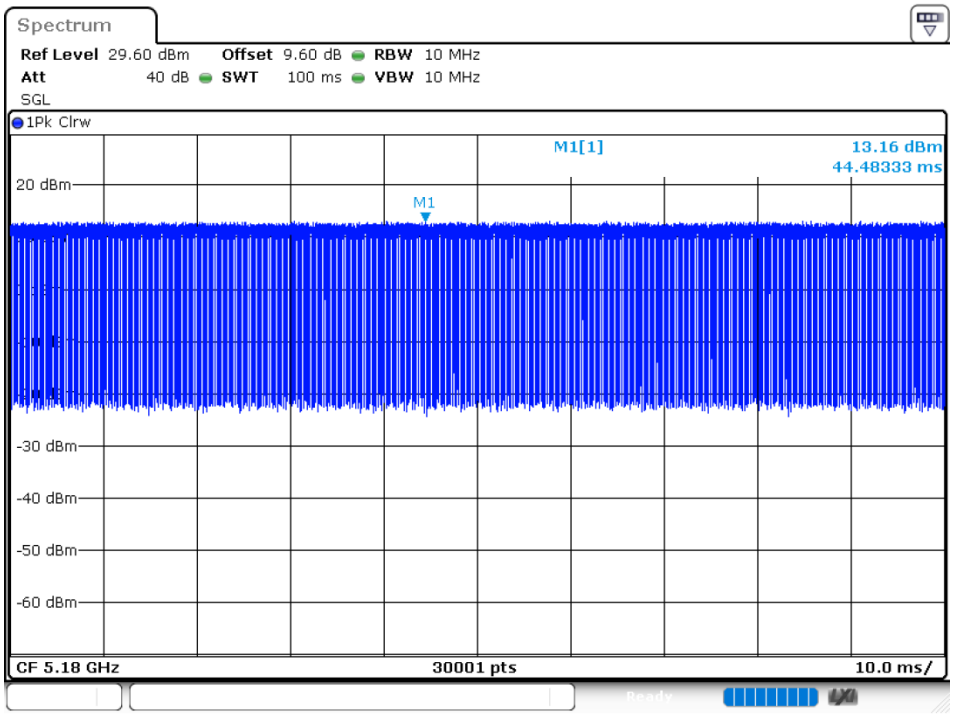
Duty Cycle NVNT 802.11a 5200MHz



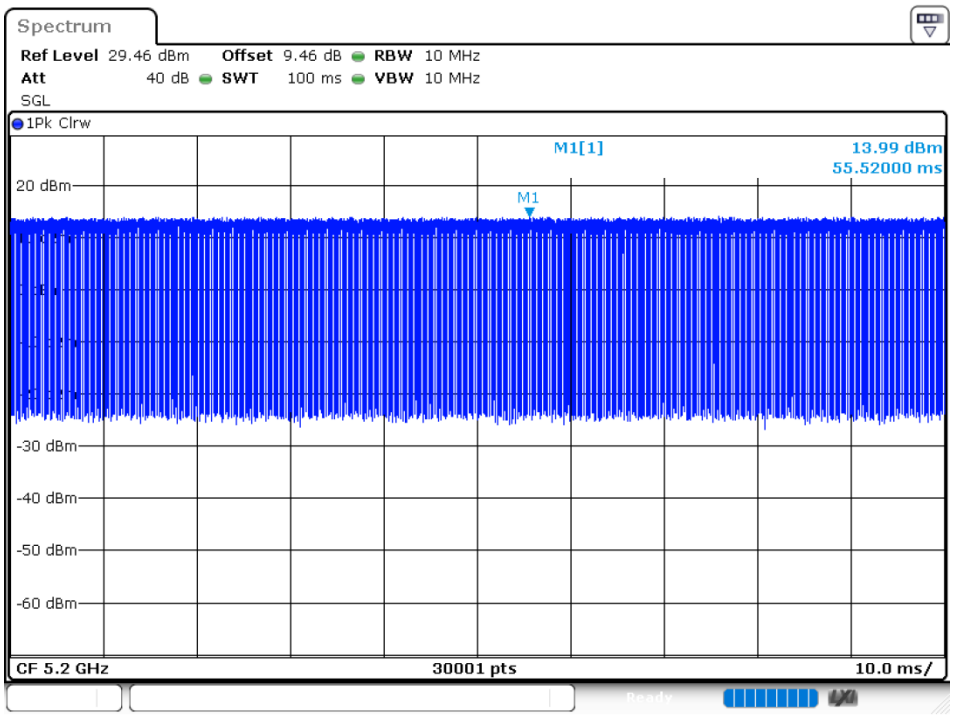
Duty Cycle NVNT 802.11a 5240MHz



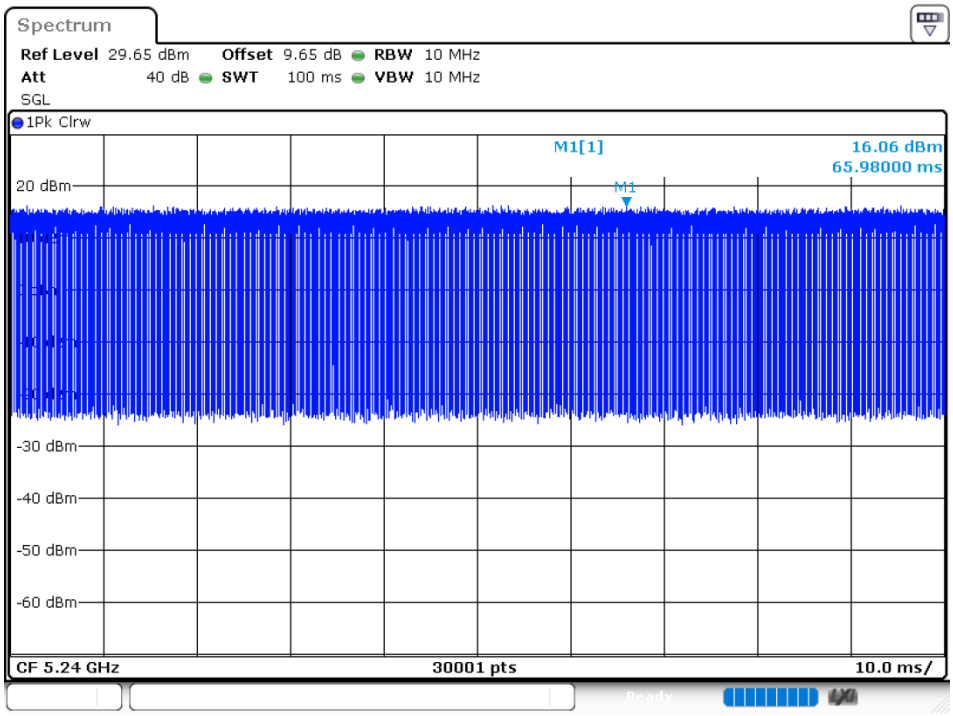
Duty Cycle NVNT 802.11ac20 5180MHz



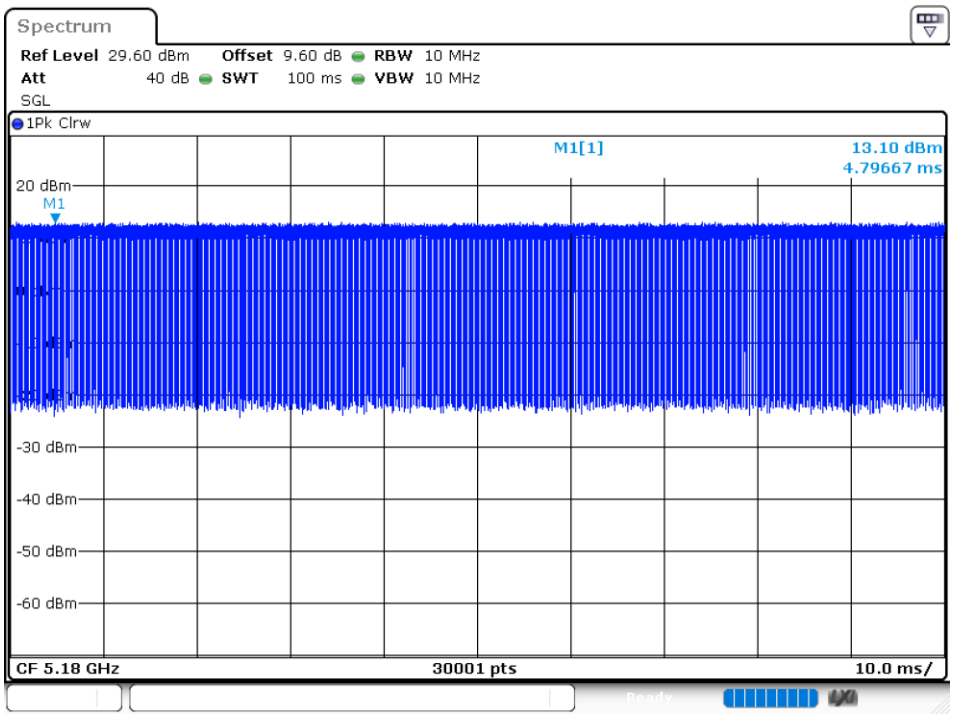
Duty Cycle NVNT 802.11ac20 5200MHz



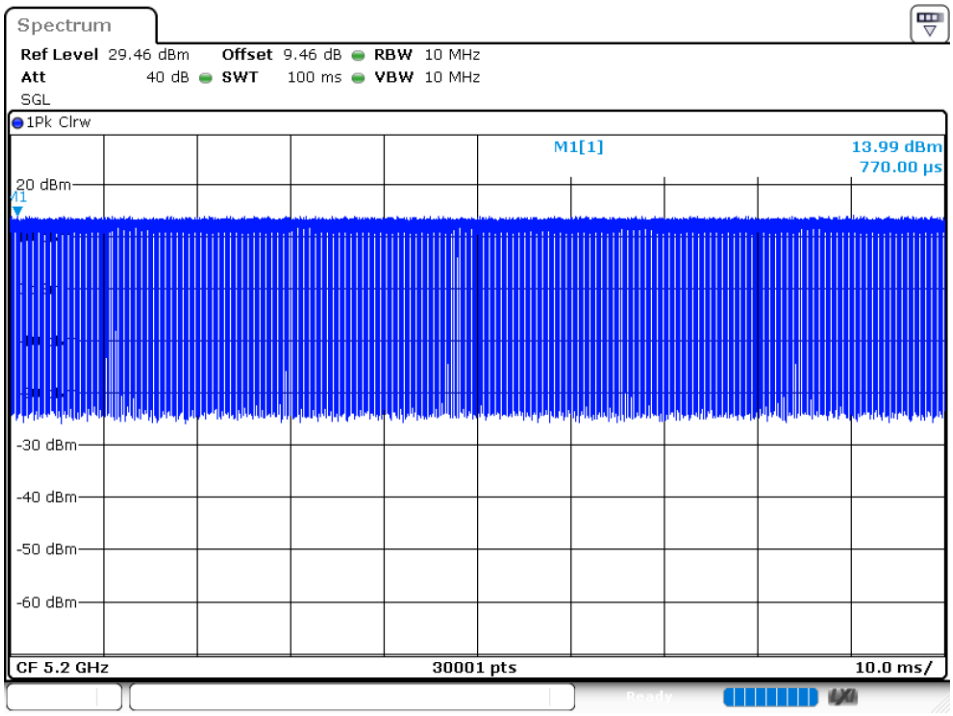
Duty Cycle NVNT 802.11ac20 5240MHz



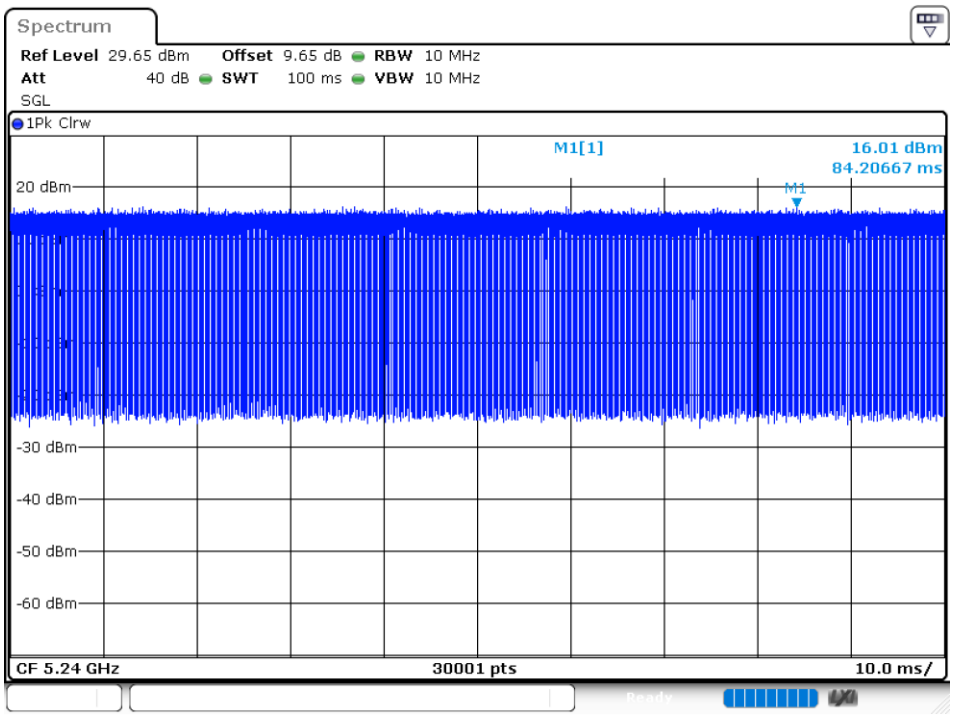
Duty Cycle NVNT 802.11n(HT20) 5180MHz



Duty Cycle NVNT 802.11n(HT20) 5200MHz



Duty Cycle NVNT 802.11n(HT20) 5240MHz



Maximum Conducted Output Power

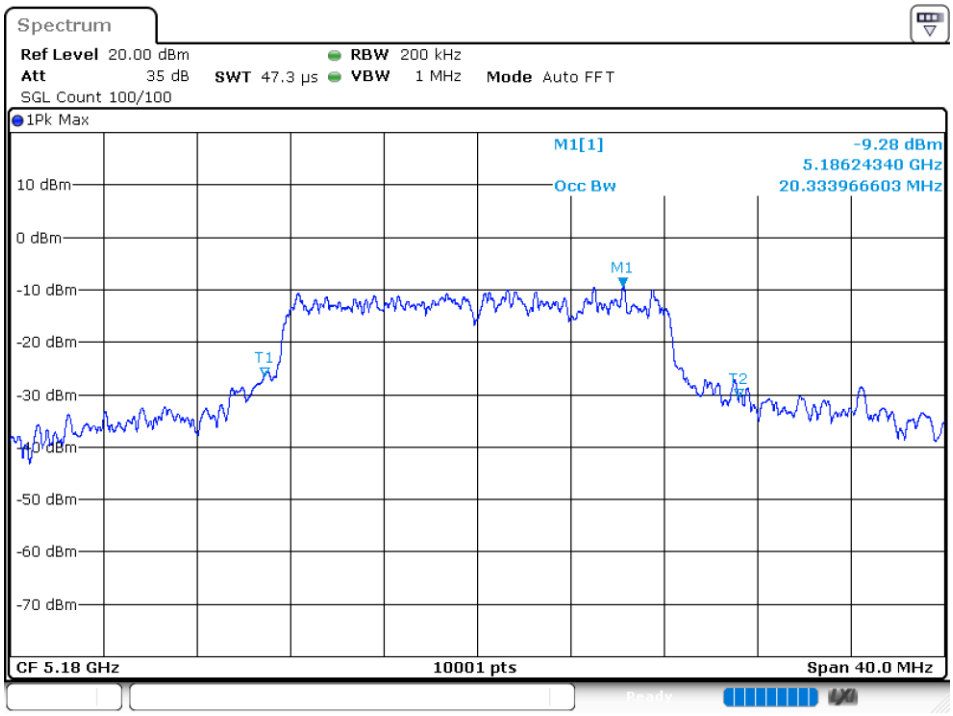
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	9.11	0.95	10.06	24	Pass
NVNT	802.11a	5200	Ant 1	9.68	0.94	10.62	24	Pass
NVNT	802.11a	5240	Ant 1	9.92	0.94	10.86	24	Pass
NVNT	802.11ac20	5180	Ant 1	7.76	1	8.76	24	Pass

NVNT	802.11ac20	5200	Ant 1	8.47	1	9.47	24	Pass
NVNT	802.11ac20	5240	Ant 1	8.78	1	9.78	24	Pass
NVNT	802.11n(HT20)	5180	Ant 1	7.87	1.02	8.89	24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	8.44	1.02	9.46	24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	8.74	1.02	9.76	24	Pass

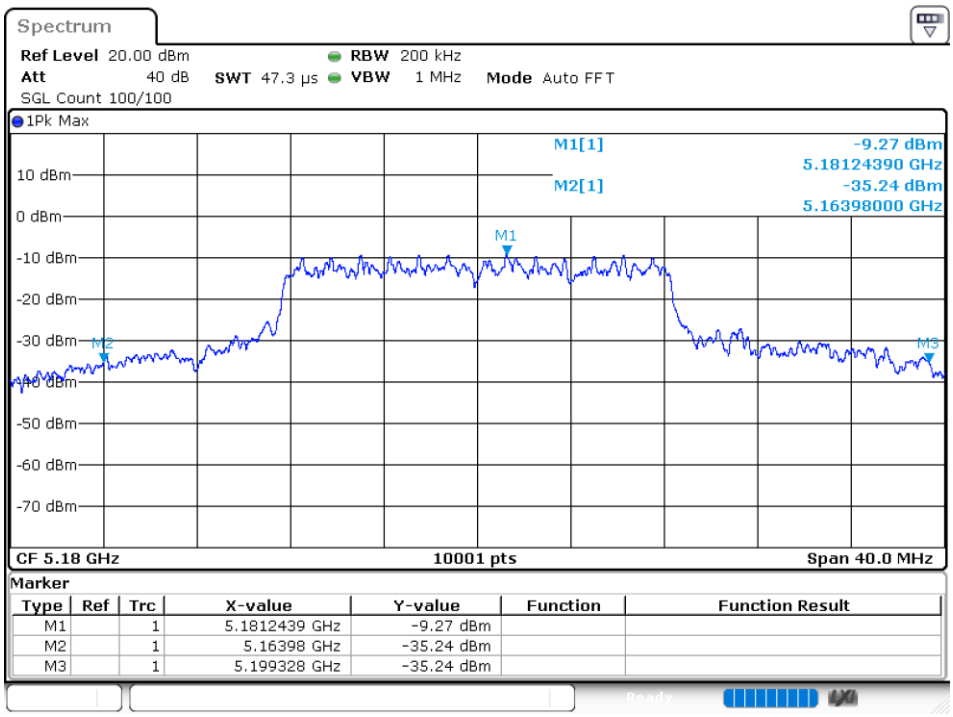
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	20.334	35.348	Pass
NVNT	802.11a	5200	Ant 1	19.946	35.876	Pass
NVNT	802.11a	5240	Ant 1	16.5543	21.46	Pass
NVNT	802.11ac20	5180	Ant 1	18.3662	34.304	Pass
NVNT	802.11ac20	5200	Ant 1	18.7261	34.092	Pass
NVNT	802.11ac20	5240	Ant 1	17.8142	21.352	Pass
NVNT	802.11n(HT20)	5180	Ant 1	18.5541	32.968	Pass
NVNT	802.11n(HT20)	5200	Ant 1	18.5341	34.24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	17.7222	21.44	Pass

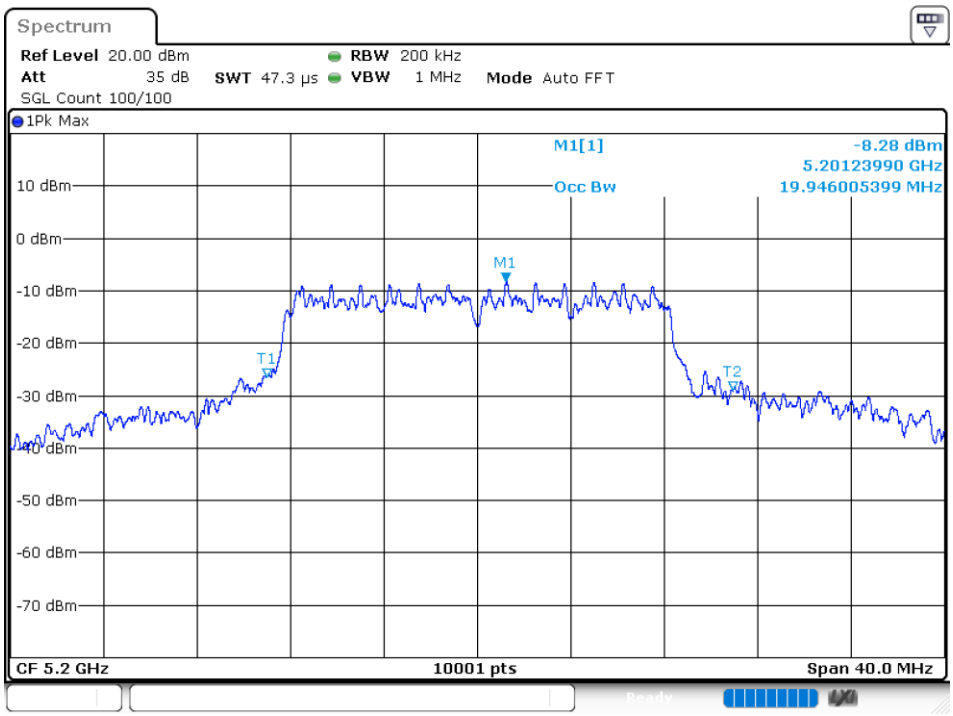
OBW NVNT 802.11a 5180MHz Ant1



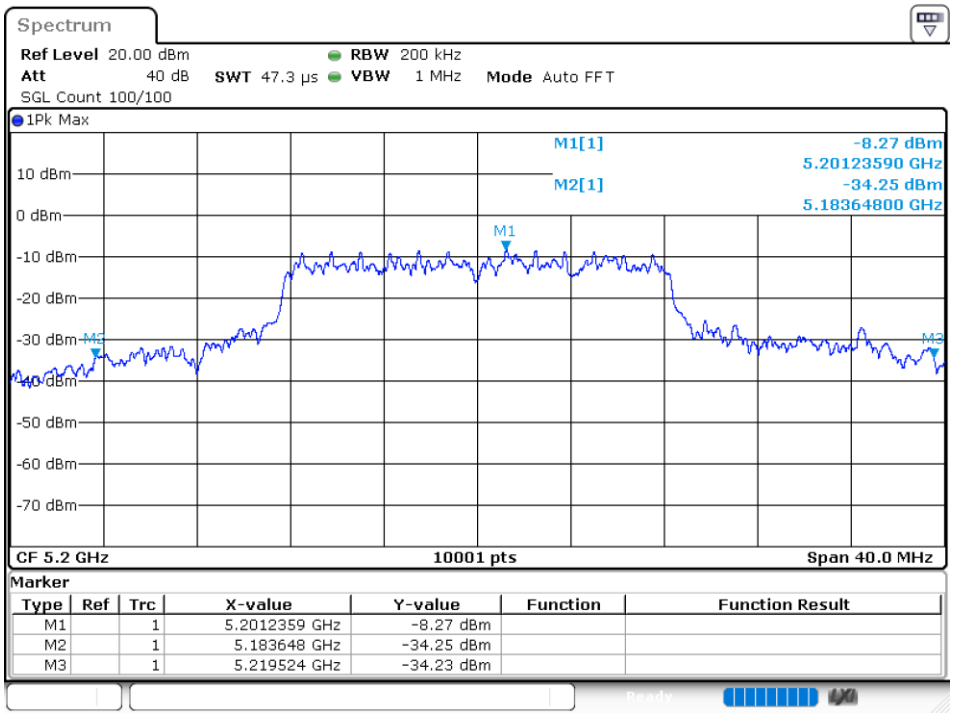
-26 dB BW NVNT 802.11a 5180MHz Ant1



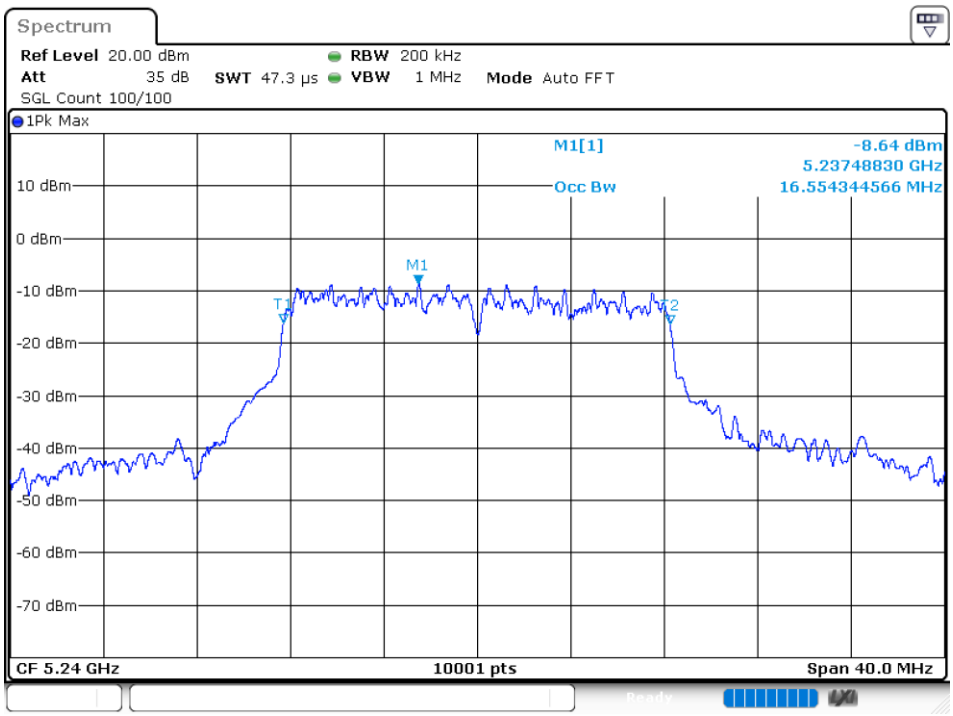
OBW NVNT 802.11a 5200MHz Ant1



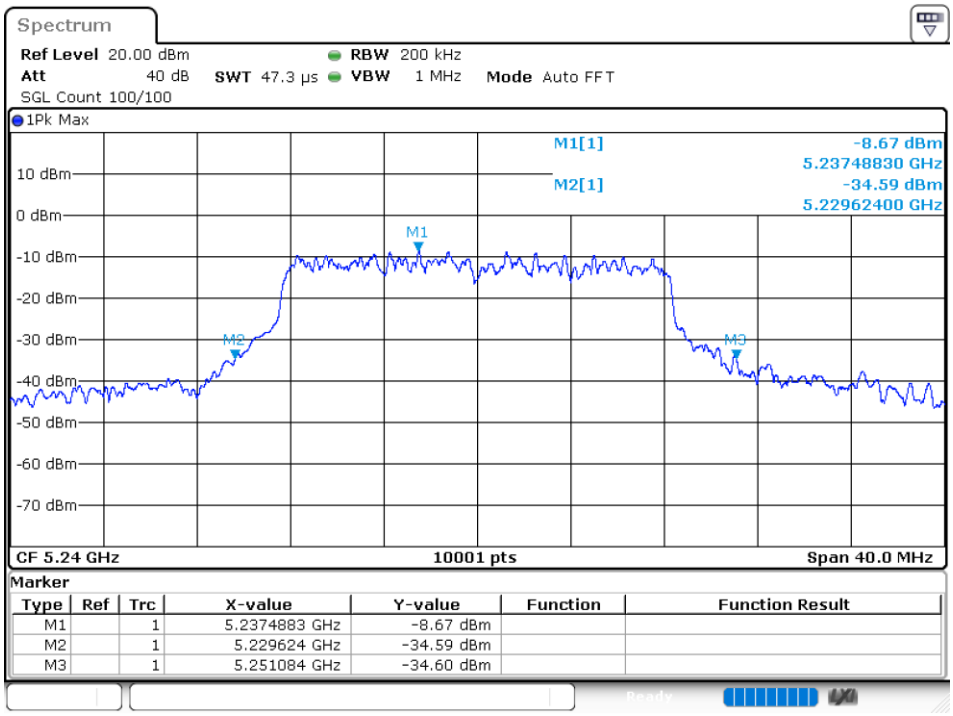
-26 dB BW NVNT 802.11a 5200MHz Ant1



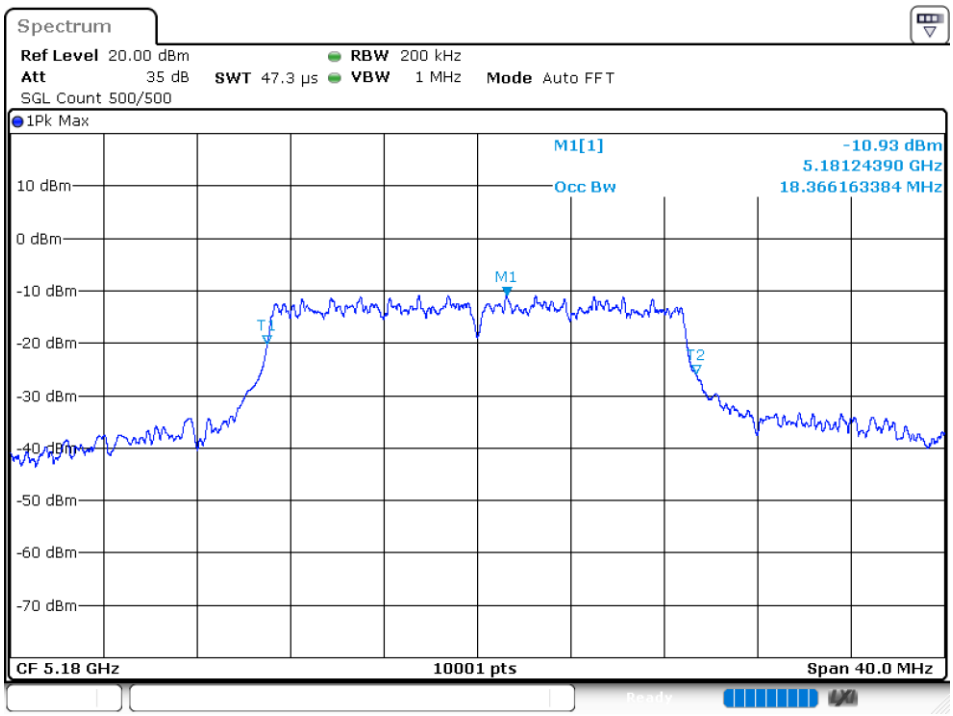
OBW NVNT 802.11a 5240MHz Ant1



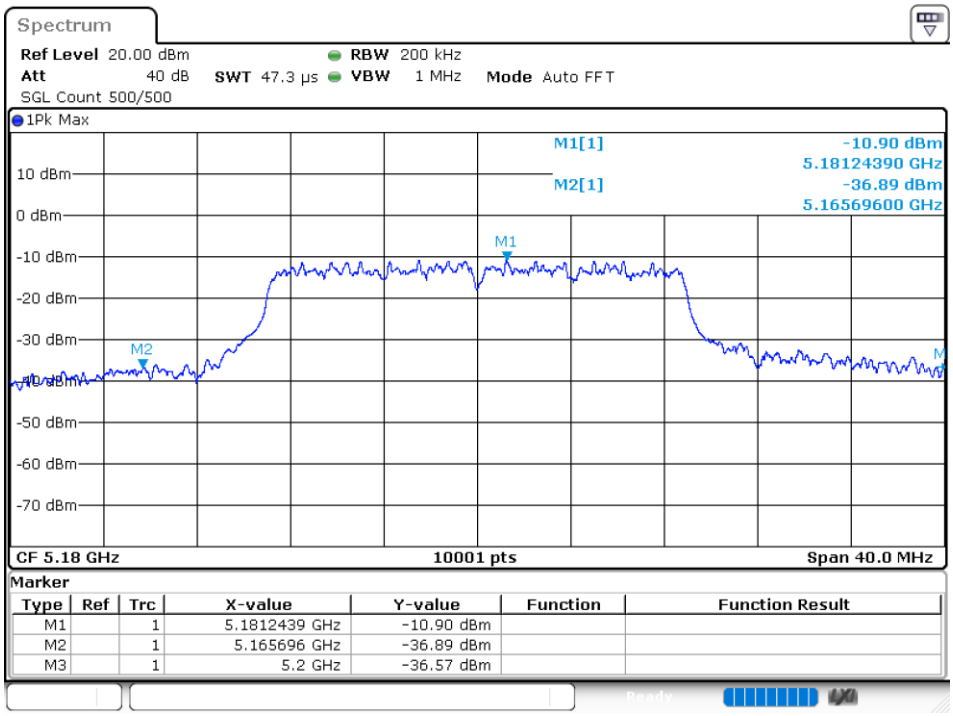
-26 dB BW NVNT 802.11a 5240MHz Ant1



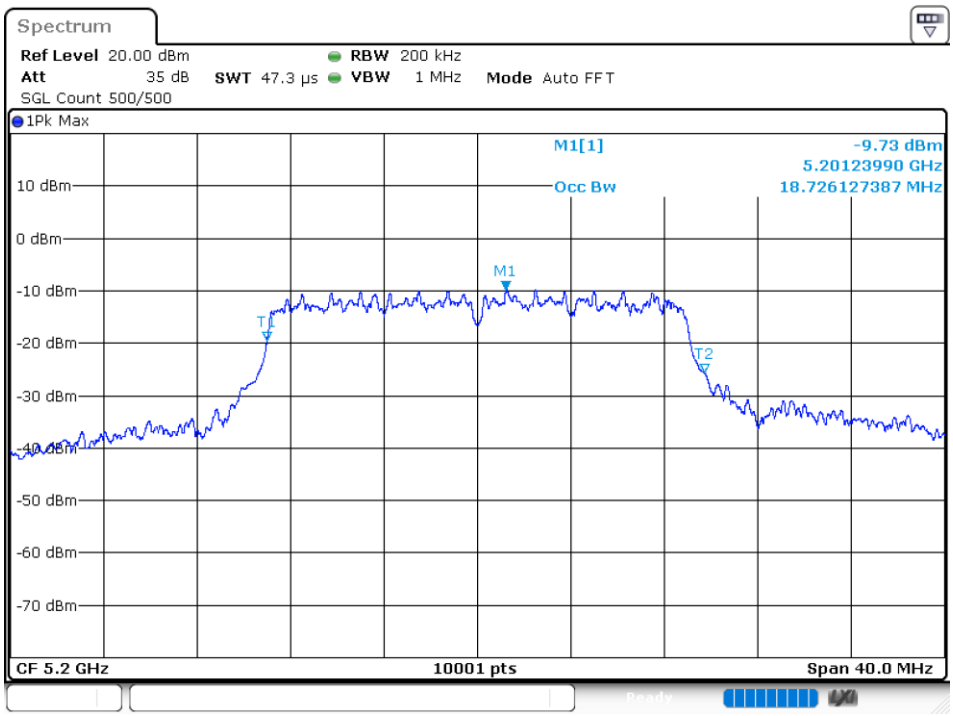
OBW NVNT 802.11ac20 5180MHz Ant1



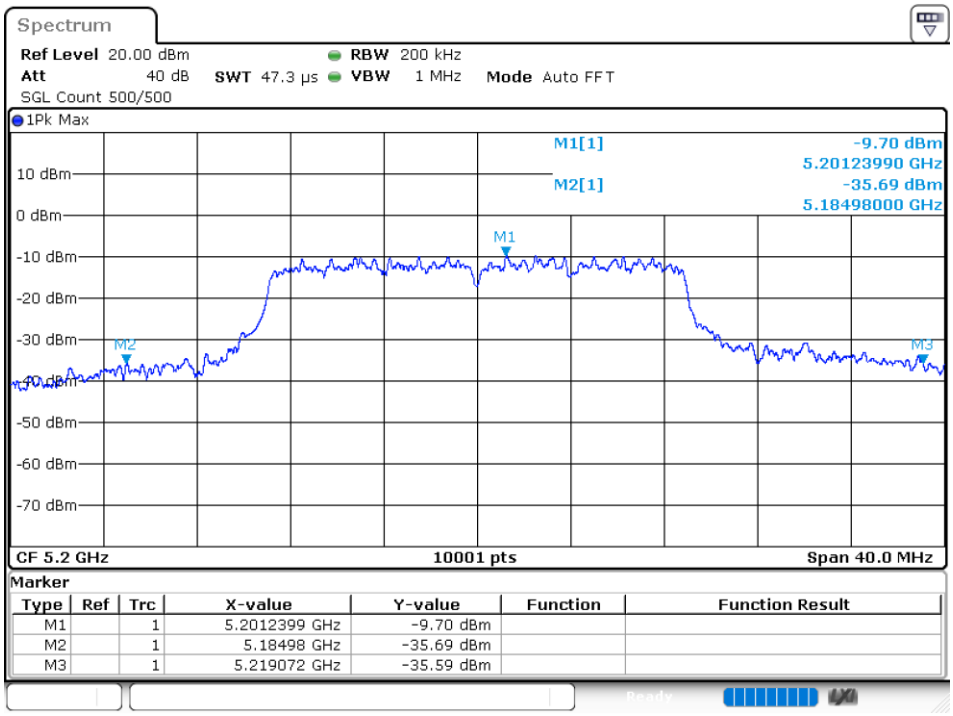
-26 dB BW NVNT 802.11ac20 5180MHz Ant1



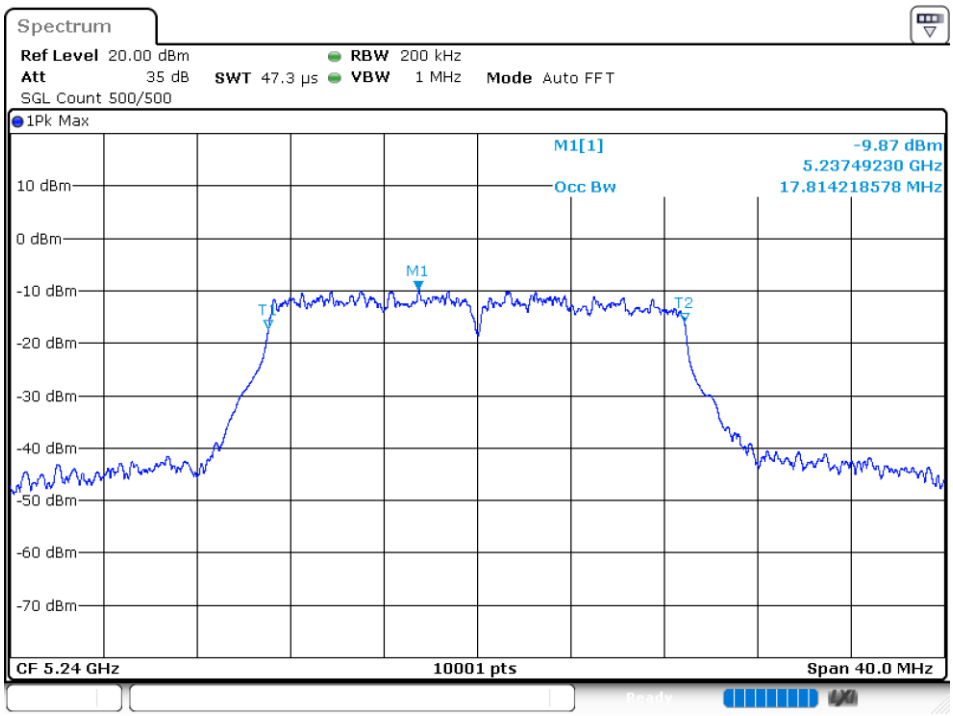
OBW NVNT 802.11ac20 5200MHz Ant1



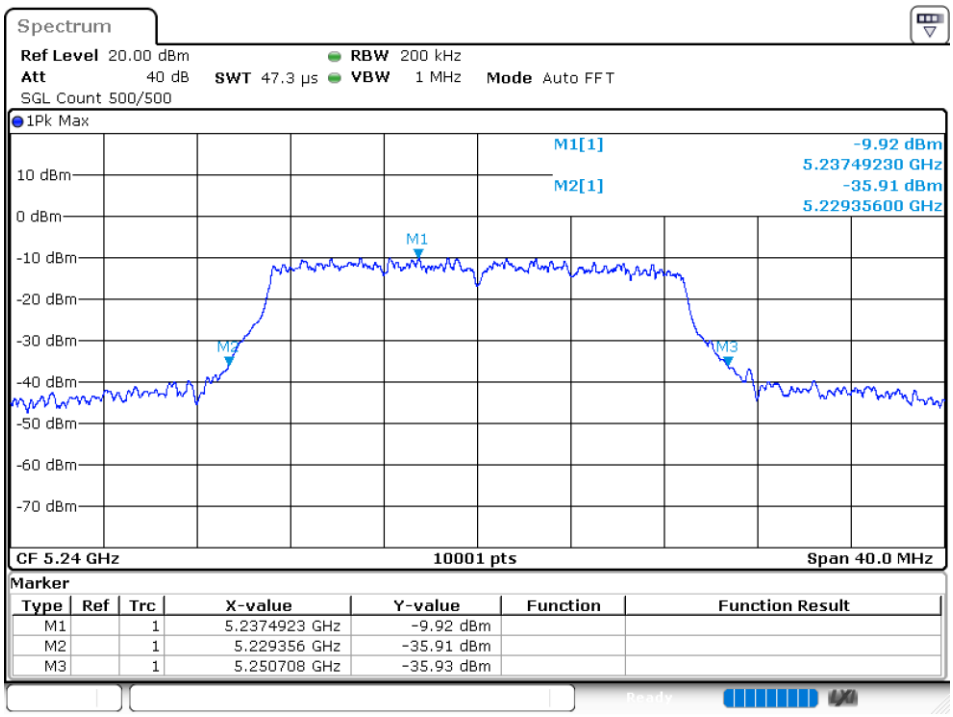
-26 dB BW NVNT 802.11ac20 5200MHz Ant1



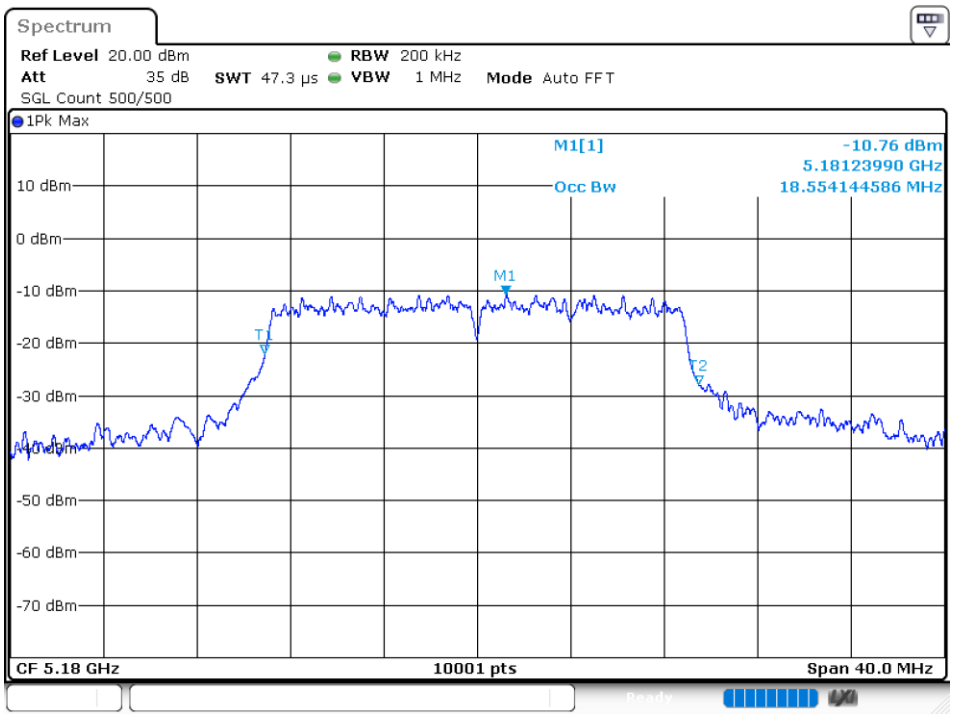
OBW NVNT 802.11ac20 5240MHz Ant1



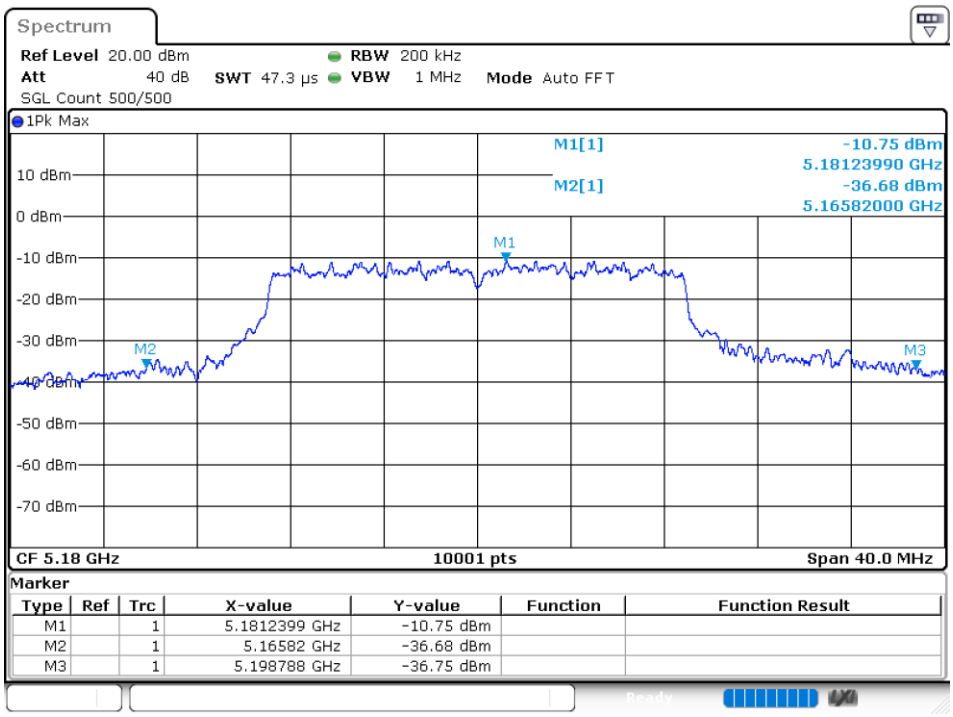
-26 dB BW NVNT 802.11ac20 5240MHz Ant1



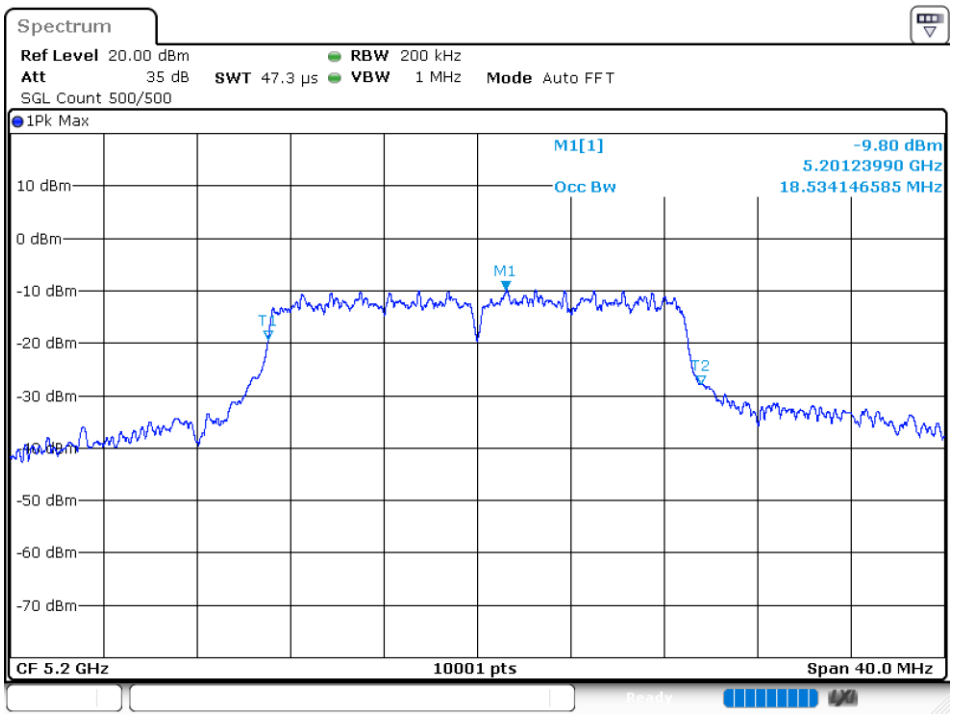
OBW NVNT 802.11n(HT20) 5180MHz Ant1



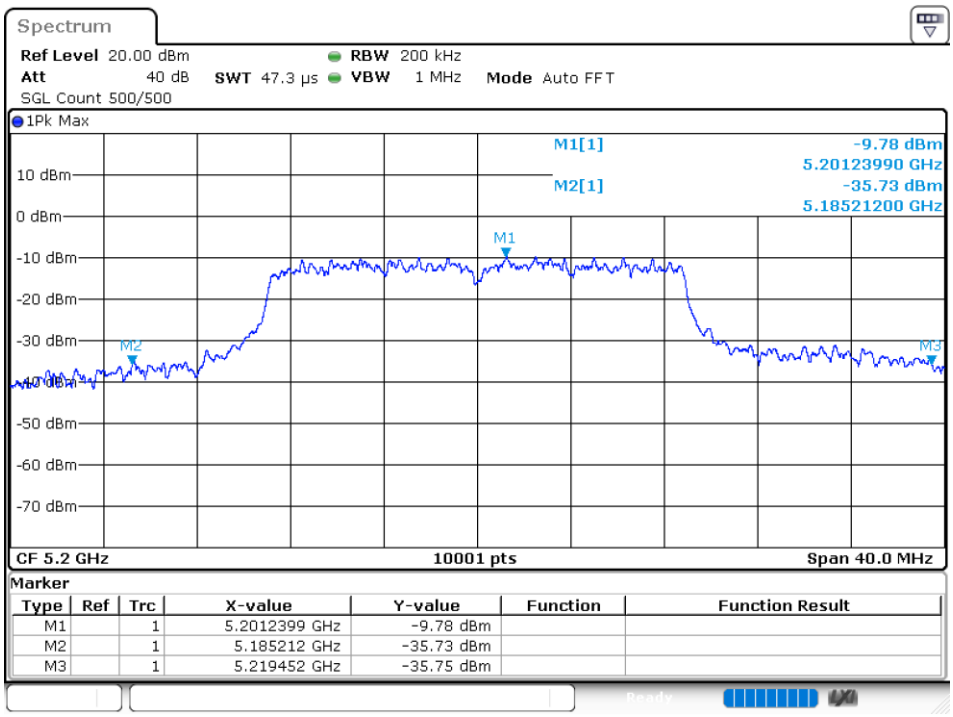
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant1



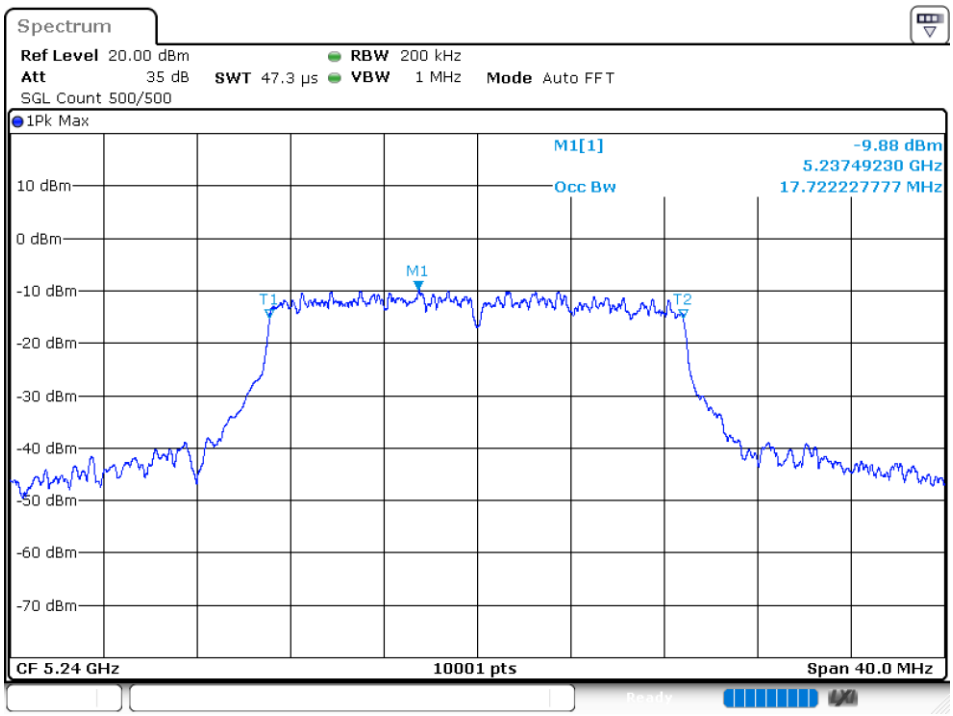
OBW NVNT 802.11n(HT20) 5200MHz Ant1



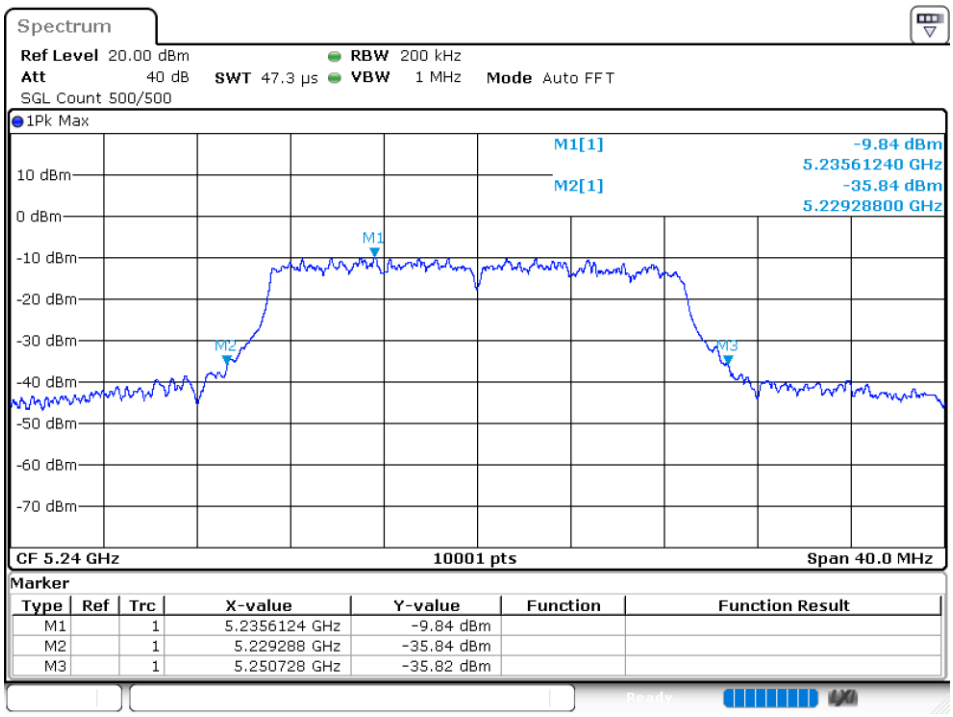
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant1



OBW NVNT 802.11n(HT20) 5240MHz Ant1



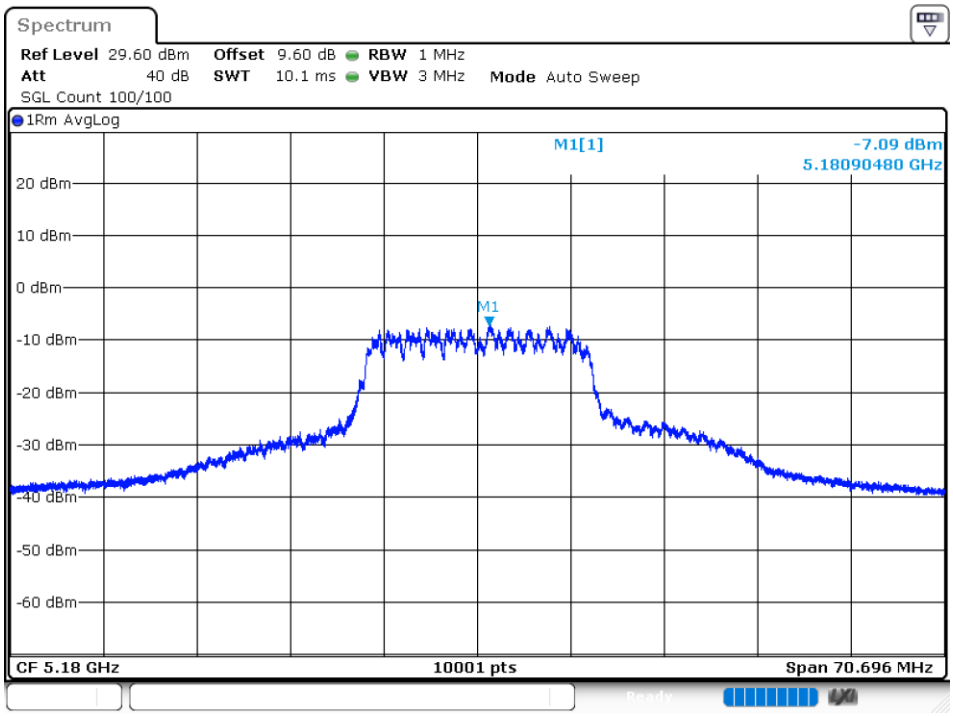
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant1



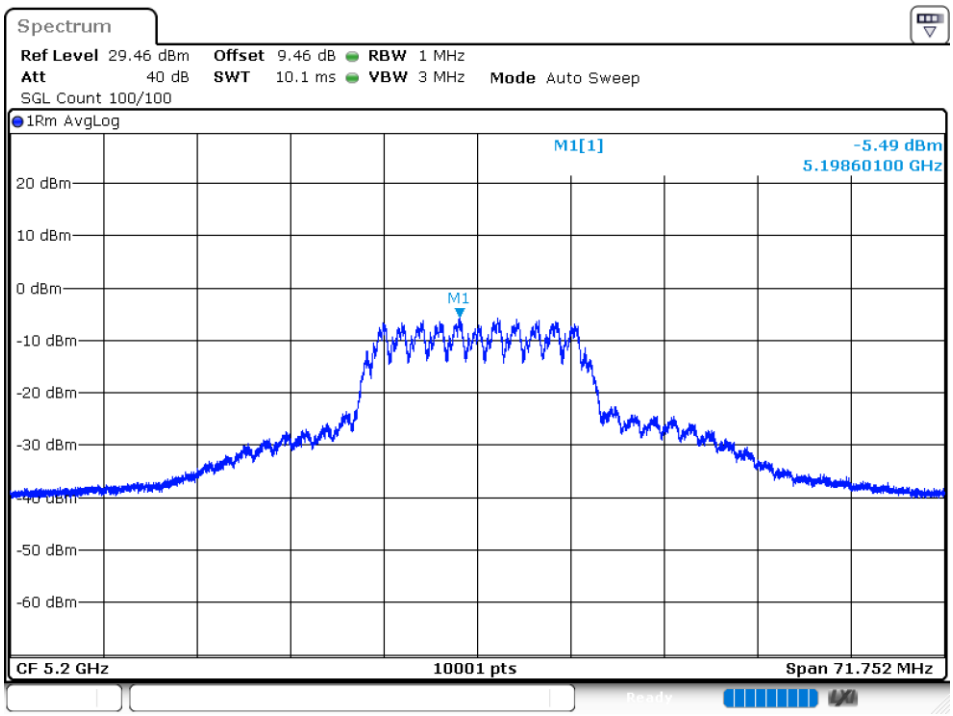
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-7.094	11	Pass
NVNT	802.11a	5200	Ant 1	-5.486	11	Pass
NVNT	802.11a	5240	Ant 1	-4.603	11	Pass
NVNT	802.11ac20	5180	Ant 1	-5.574	11	Pass
NVNT	802.11ac20	5200	Ant 1	-8.264	11	Pass
NVNT	802.11ac20	5240	Ant 1	-8.238	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-10.486	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-9.771	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-9.335	11	Pass

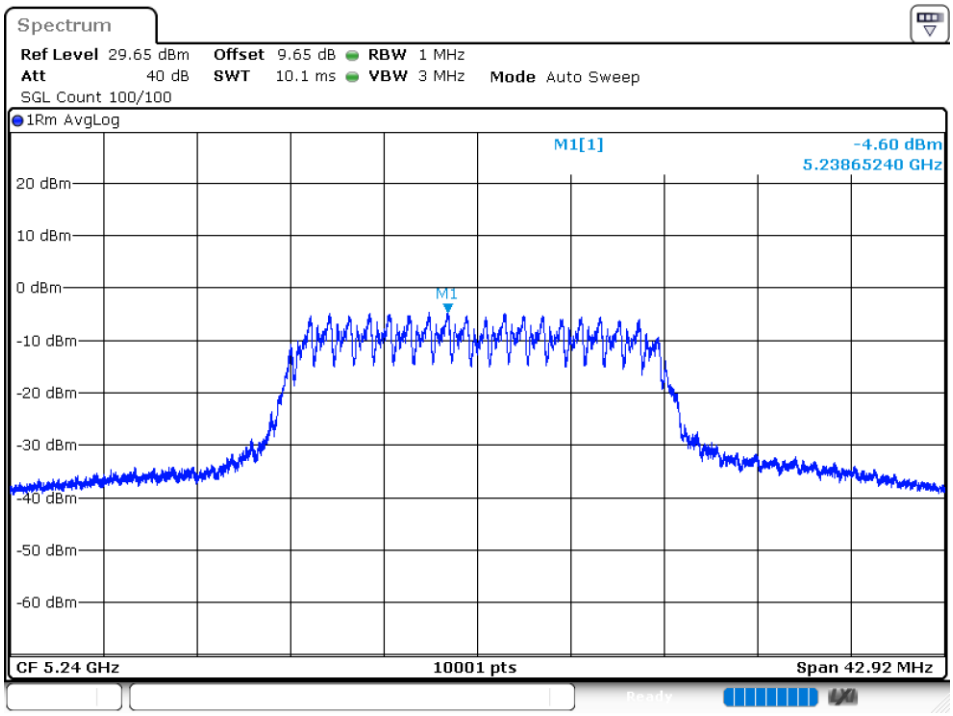
PSD NVNT 802.11a 5180MHz Ant1



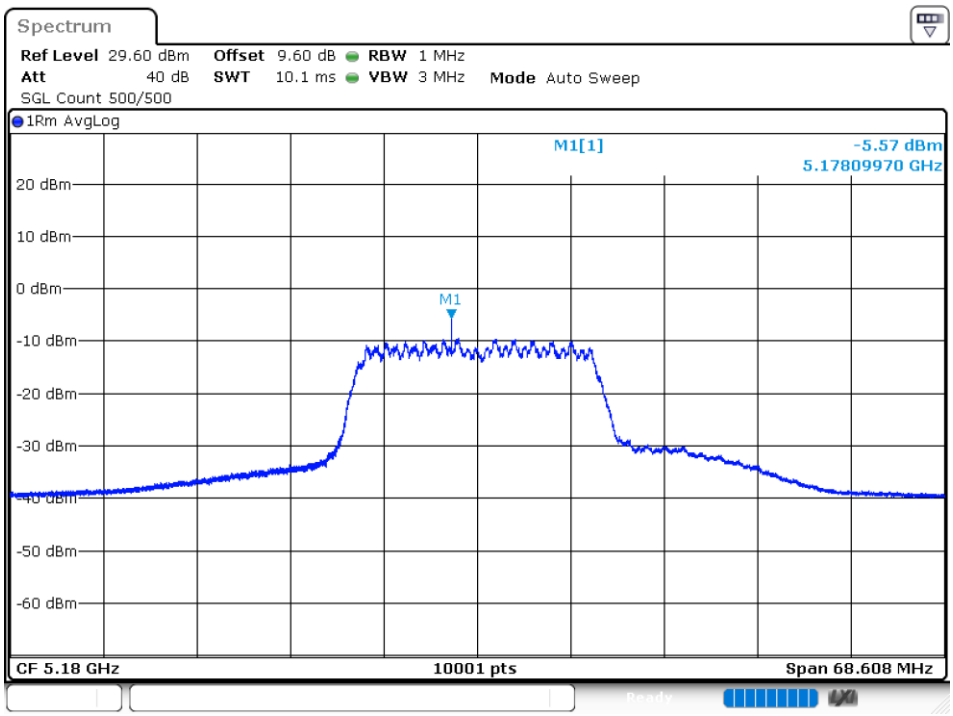
PSD NVNT 802.11a 5200MHz Ant1



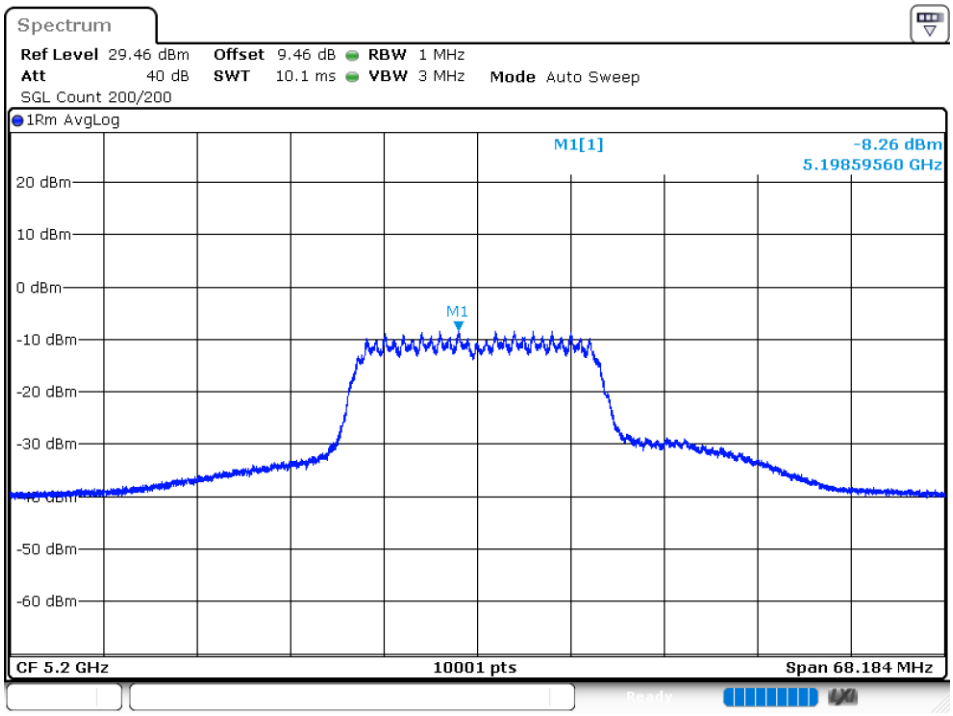
PSD NVNT 802.11a 5240MHz Ant1



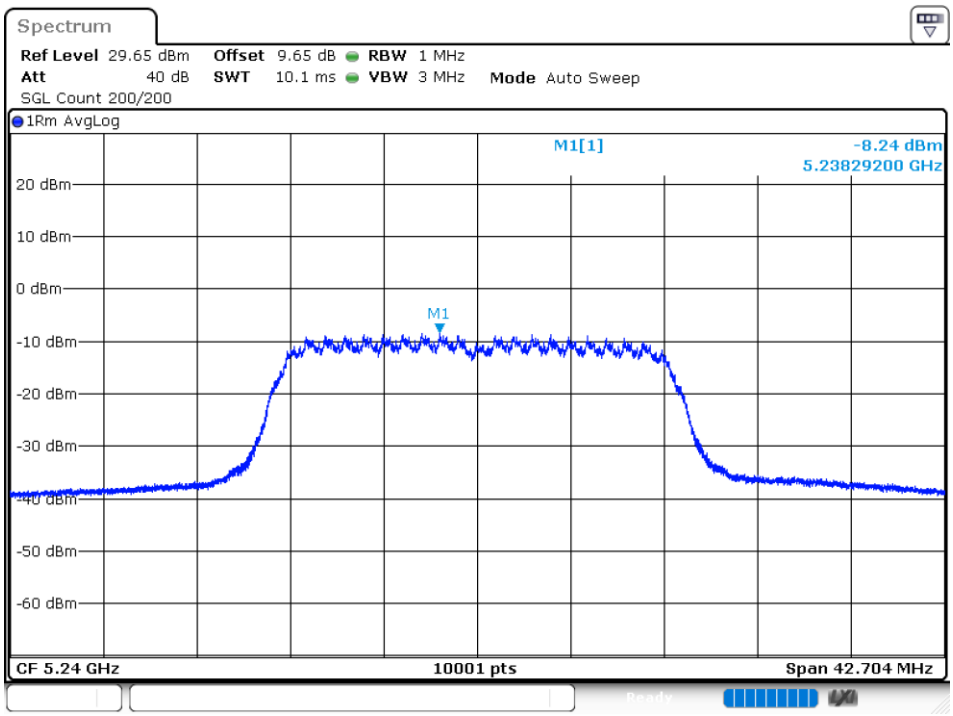
PSD NVNT 802.11ac20 5180MHz Ant1



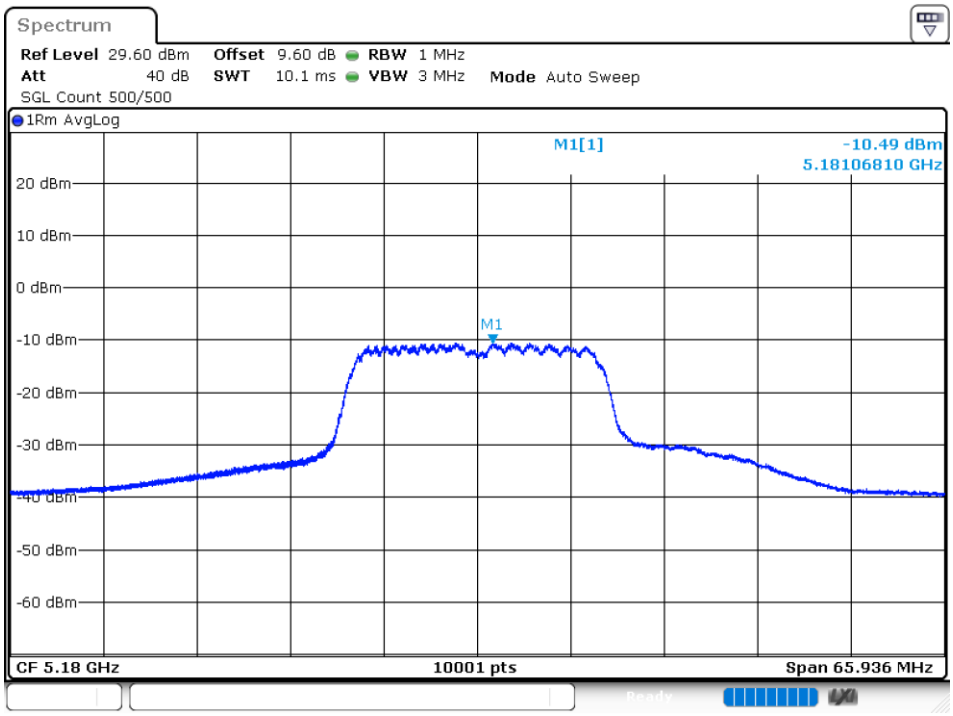
PSD NVNT 802.11ac20 5200MHz Ant1



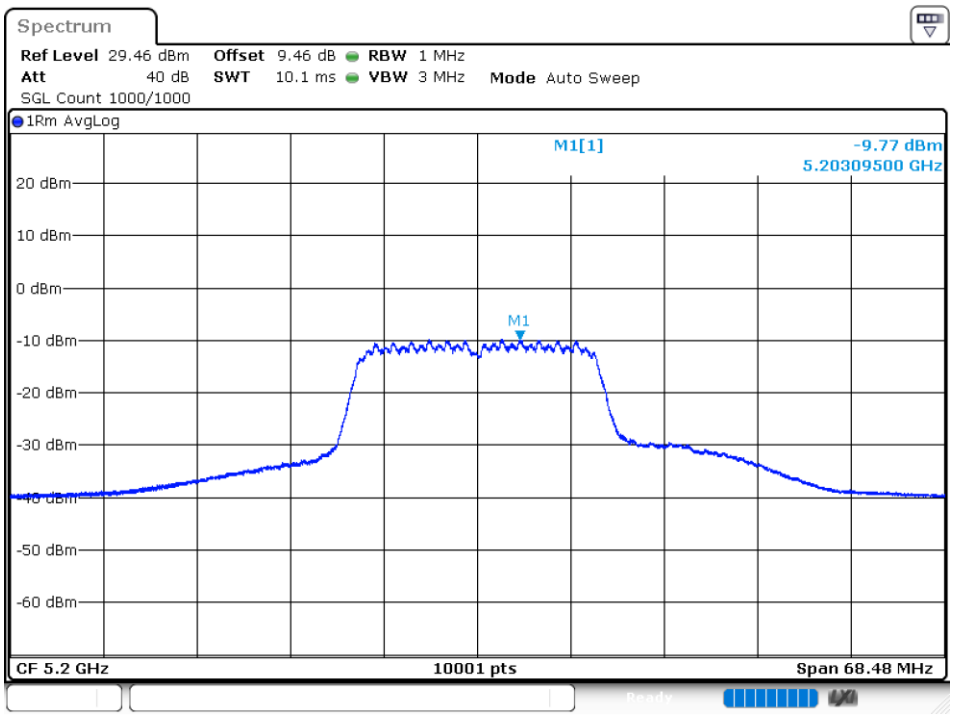
PSD NVNT 802.11ac20 5240MHz Ant1



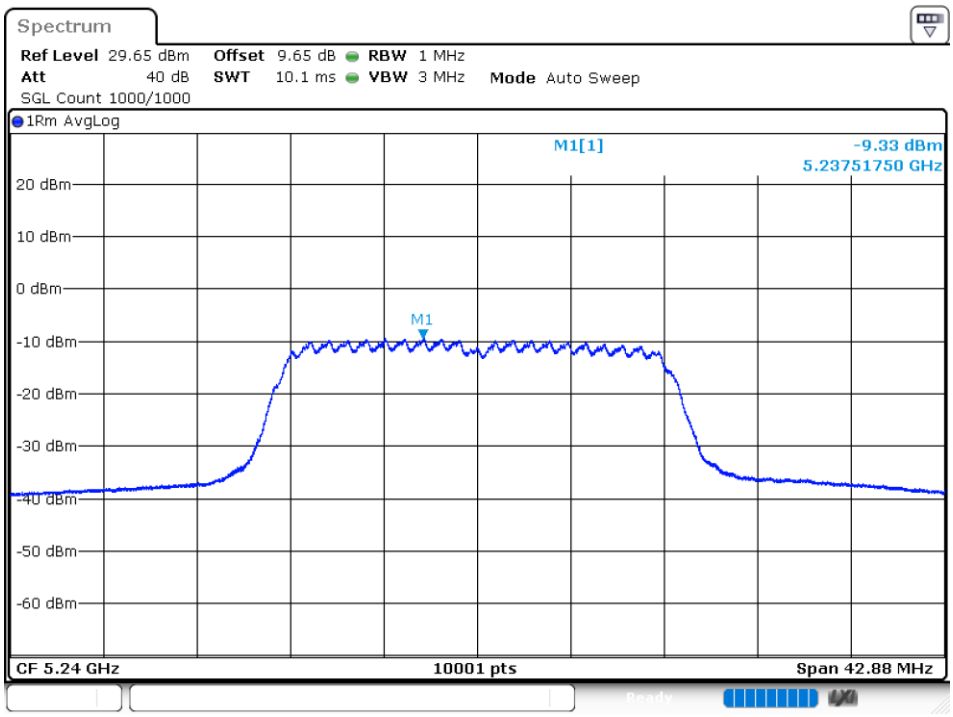
PSD NVNT 802.11n(HT20) 5180MHz Ant1



PSD NVNT 802.11n(HT20) 5200MHz Ant1



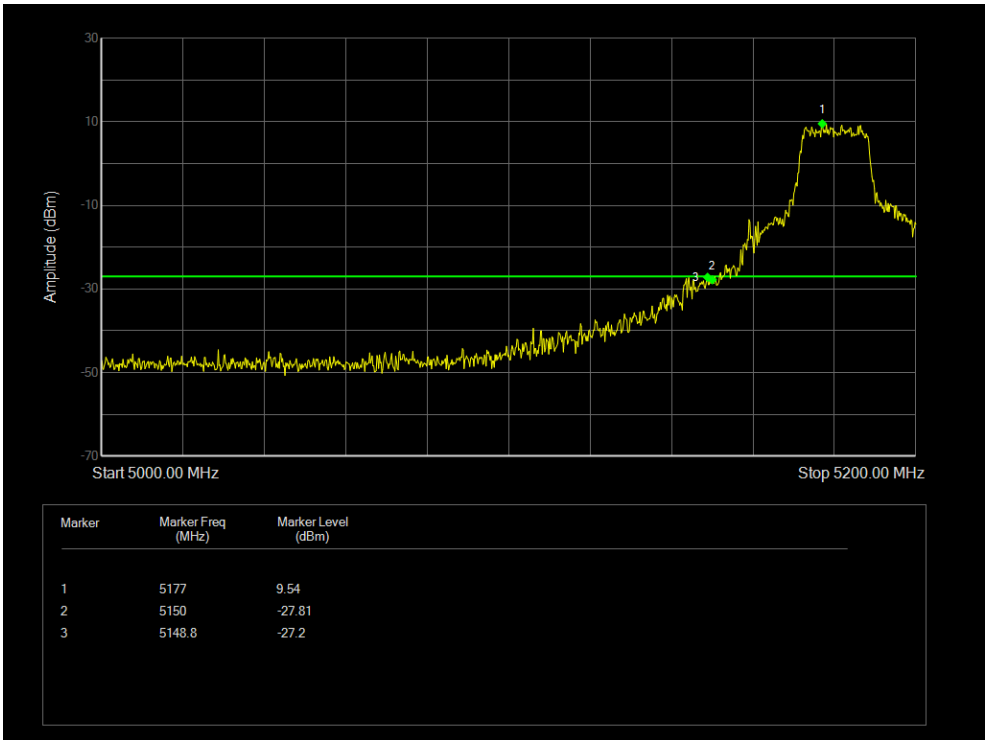
PSD NVNT 802.11n(HT20) 5240MHz Ant1



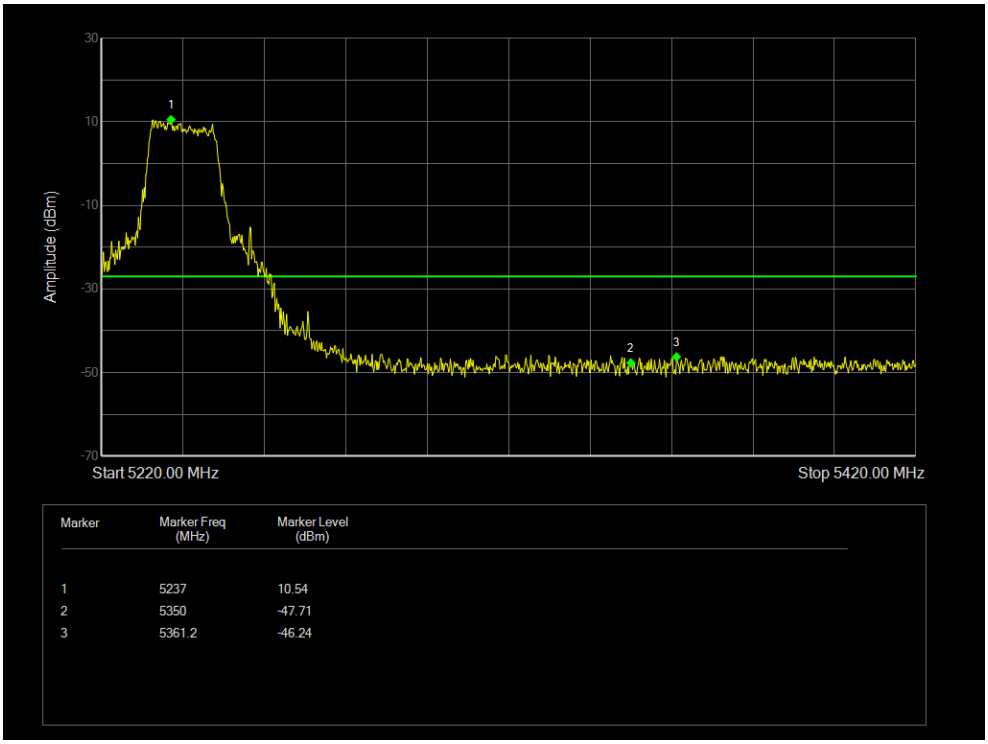
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-27.2	-27	Pass
NVNT	802.11a	5240	Ant 1	-46.24	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-28.26	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-44.41	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-27.44	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-44.96	-27	Pass

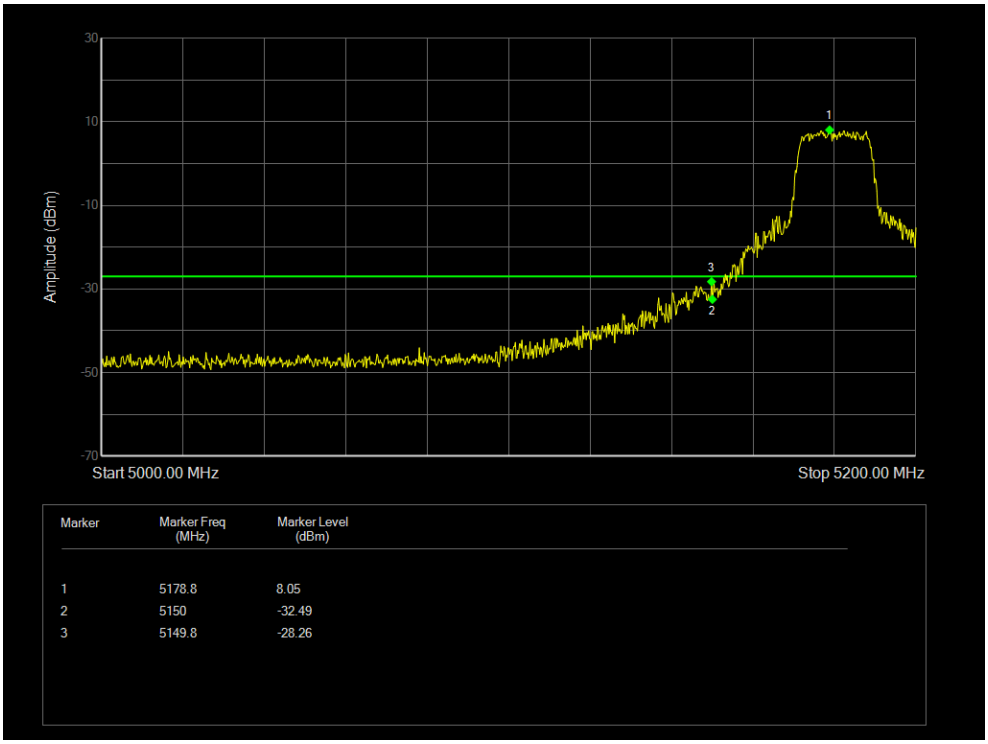
Band Edge NVNT 802.11a 5180MHz Low Ant1



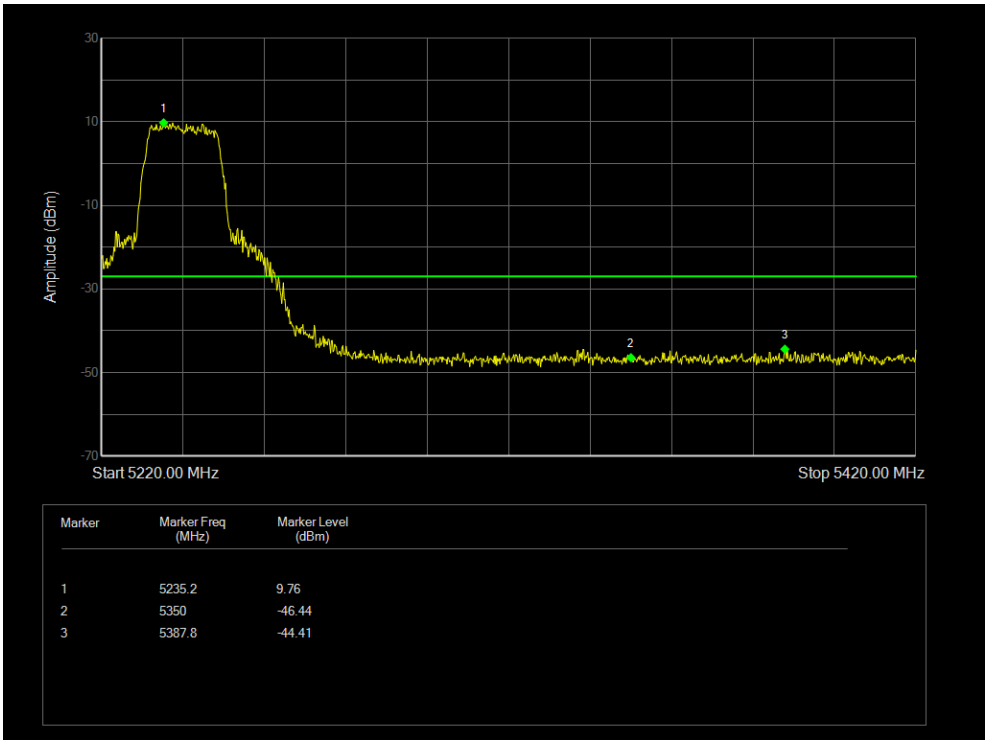
Band Edge NVNT 802.11a 5240MHz High Ant1



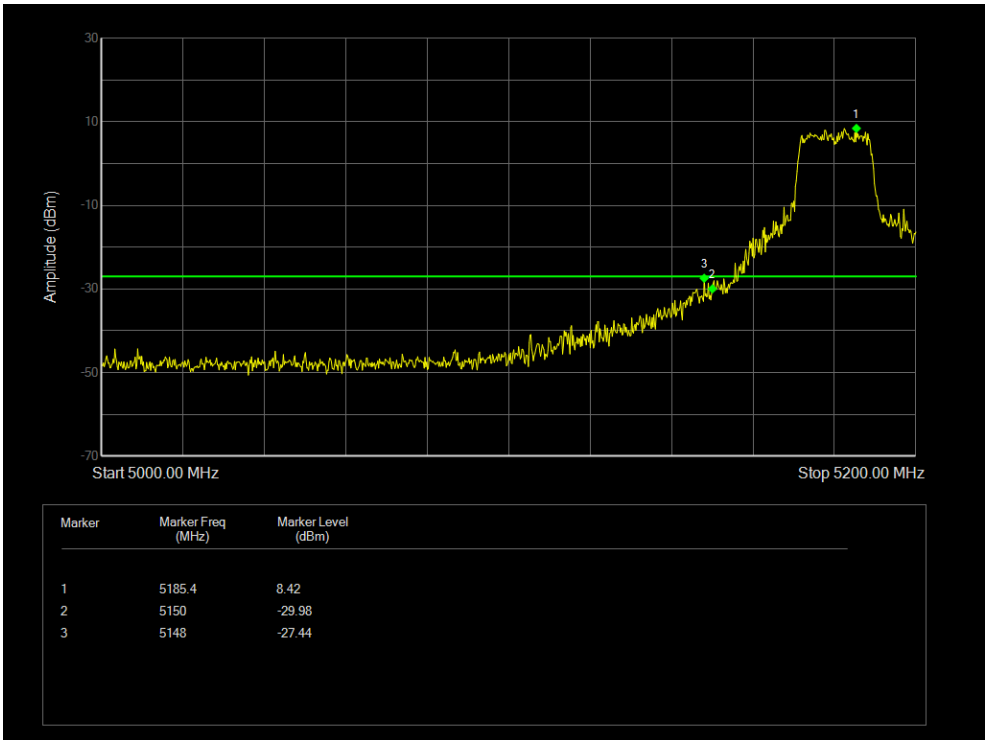
Band Edge NVNT 802.11ac20 5180MHz Low Ant1



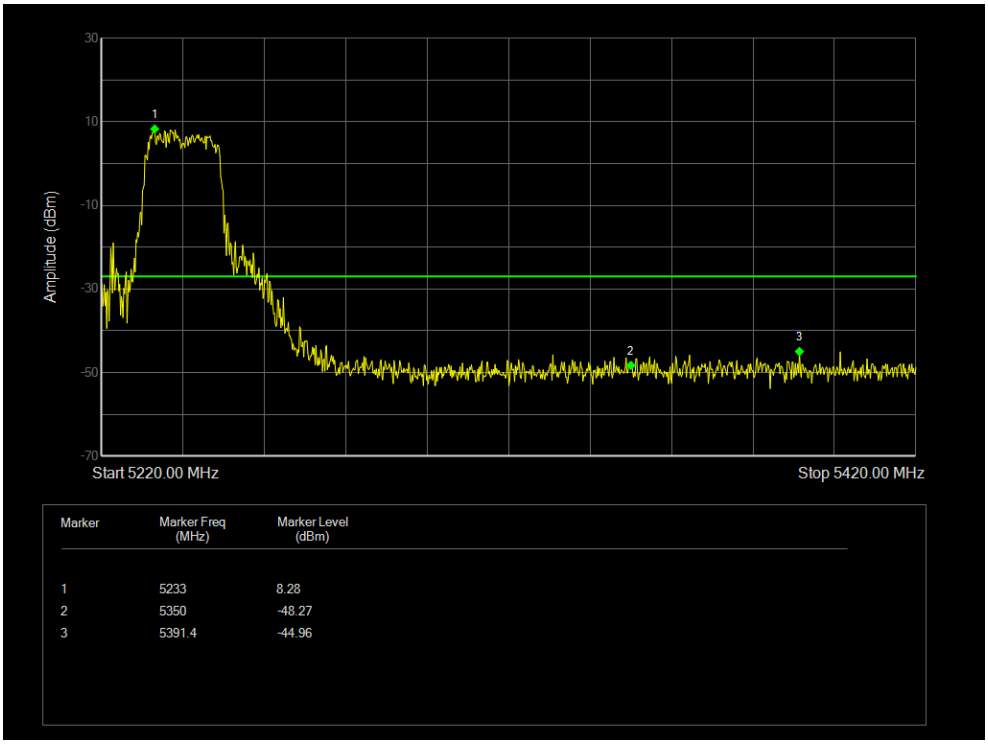
Band Edge NVNT 802.11ac20 5240MHz High Ant1



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



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

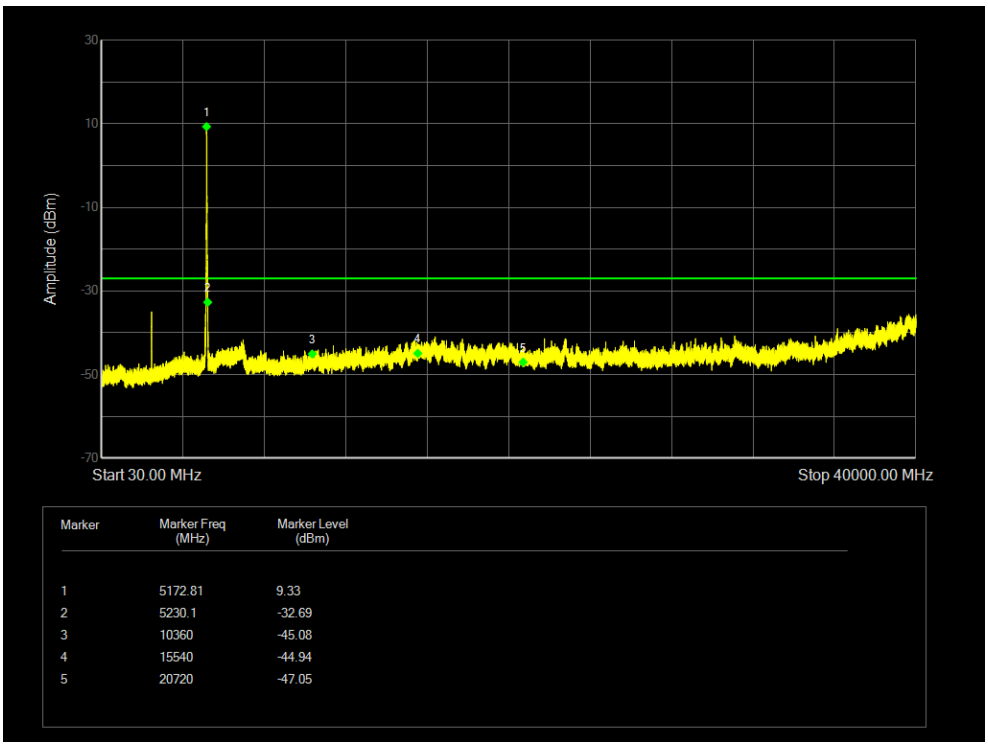


Conducted RF Spurious Emission

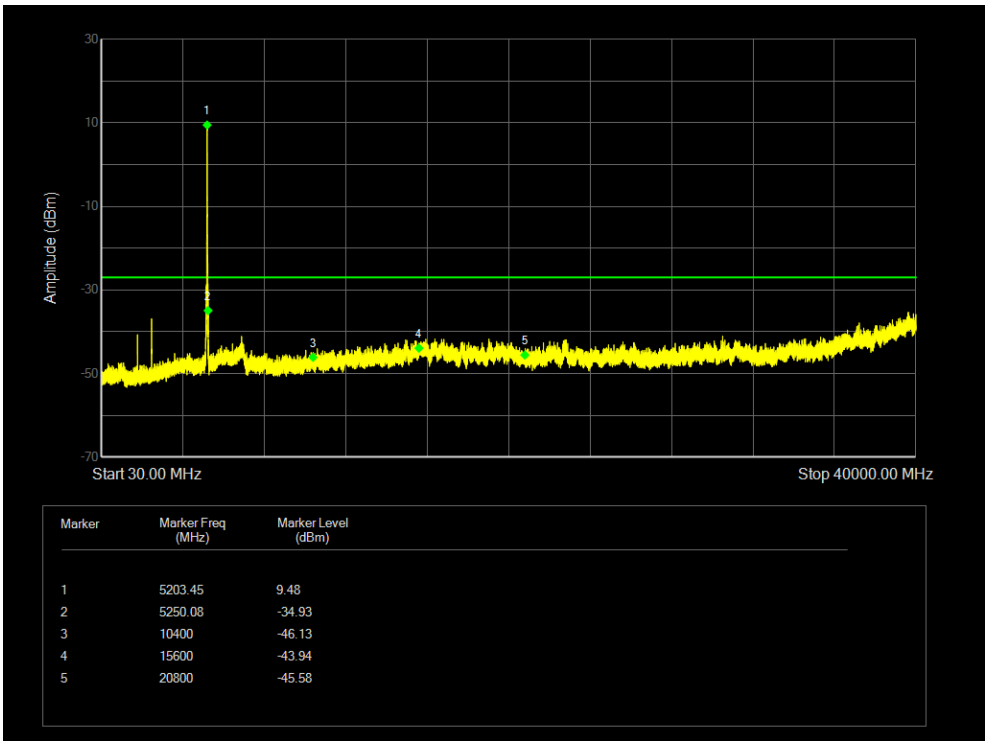
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-32.69	-27	Pass
NVNT	802.11a	5200	Ant 1	-34.93	-27	Pass
NVNT	802.11a	5240	Ant 1	-35.03	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-34.94	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-35.47	-27	Pass

NVNT	802.11ac20	5240	Ant 1	-33.62	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-29.32	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-34.67	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-35.71	-27	Pass

Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission



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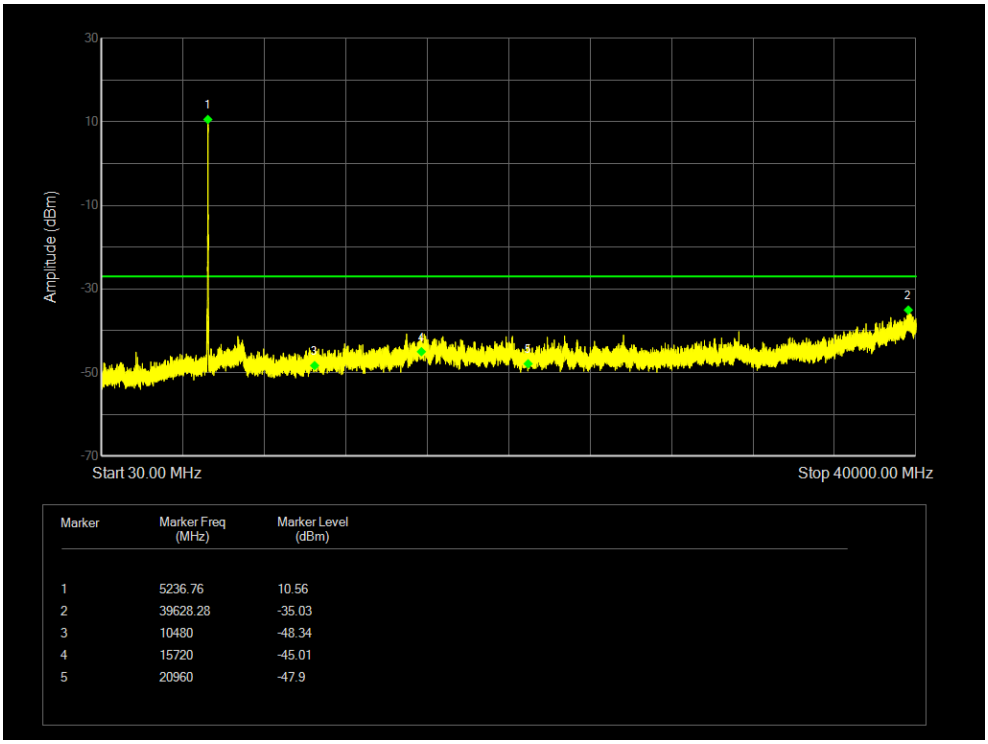

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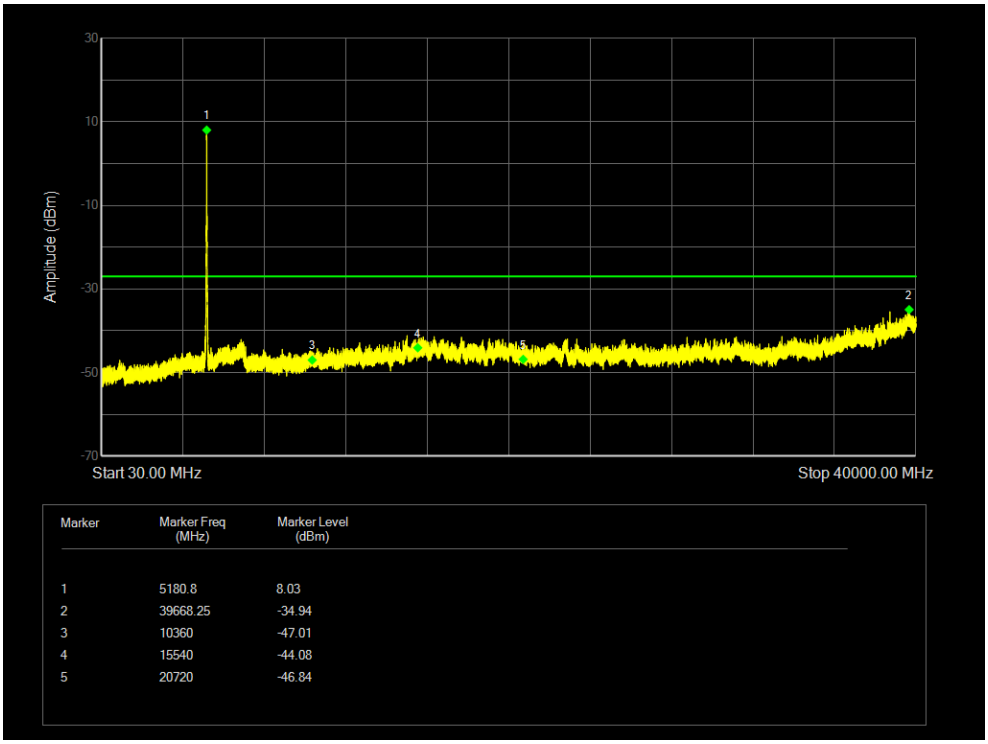

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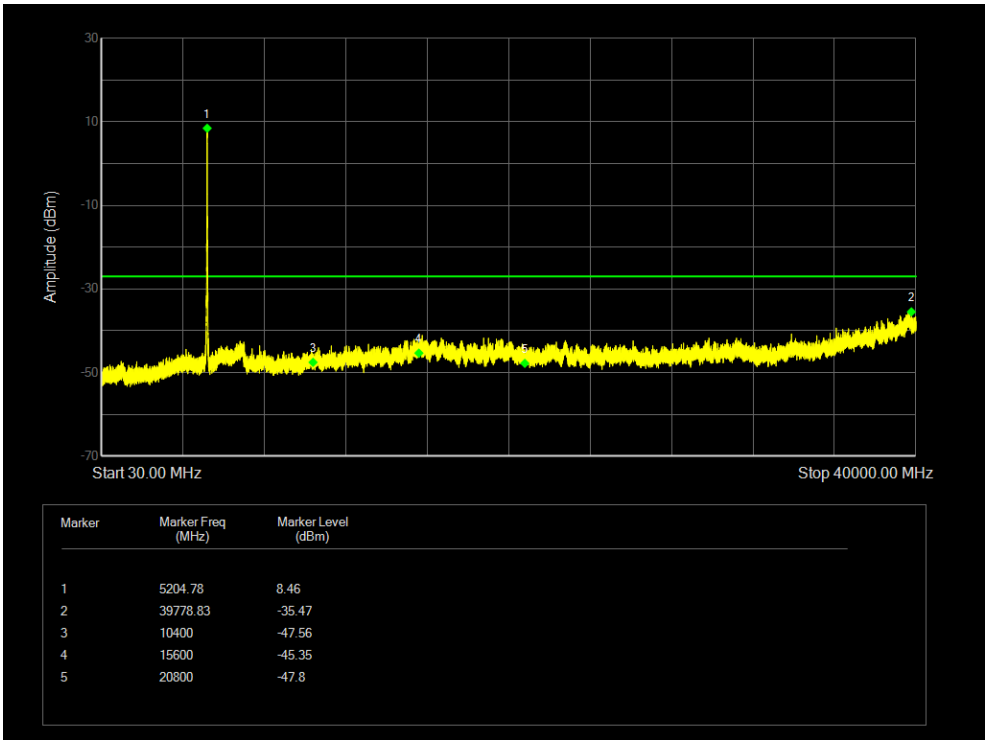

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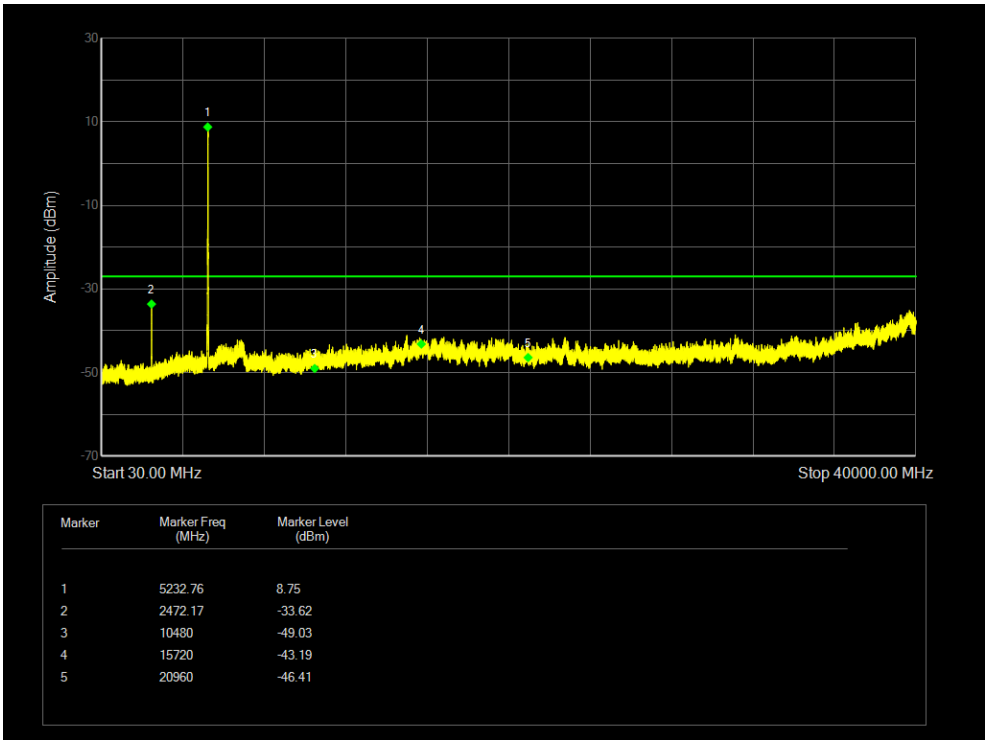
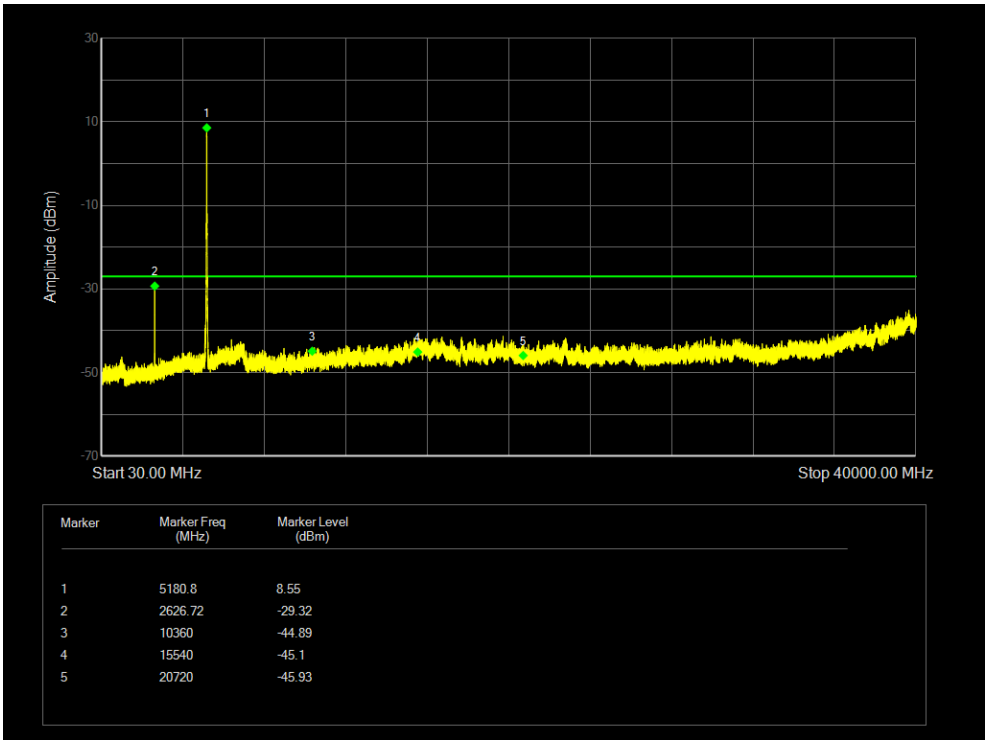


Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission



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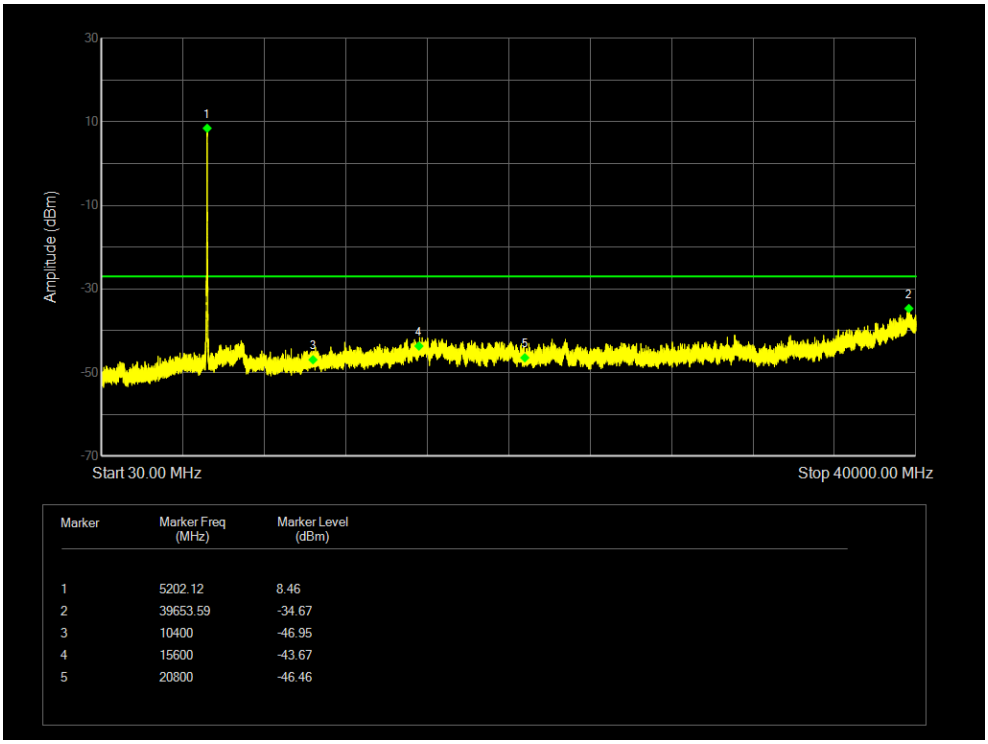
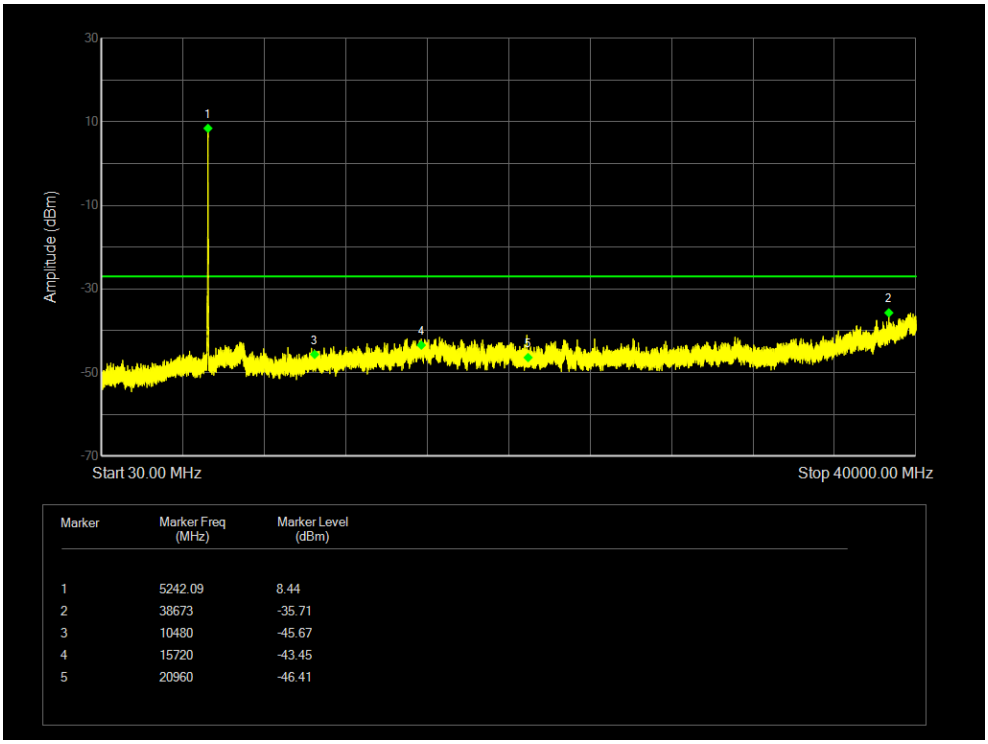


Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission



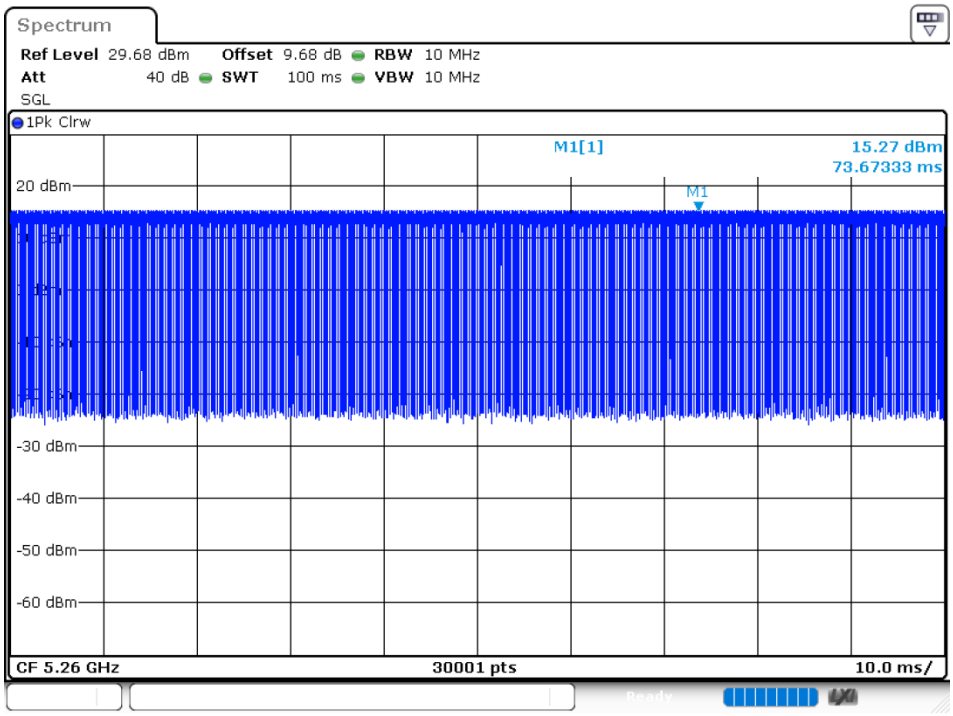
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5242.09	8.44
2	38673	-35.71
3	10480	-45.67
4	15720	-43.45
5	20960	-46.41

5.3G

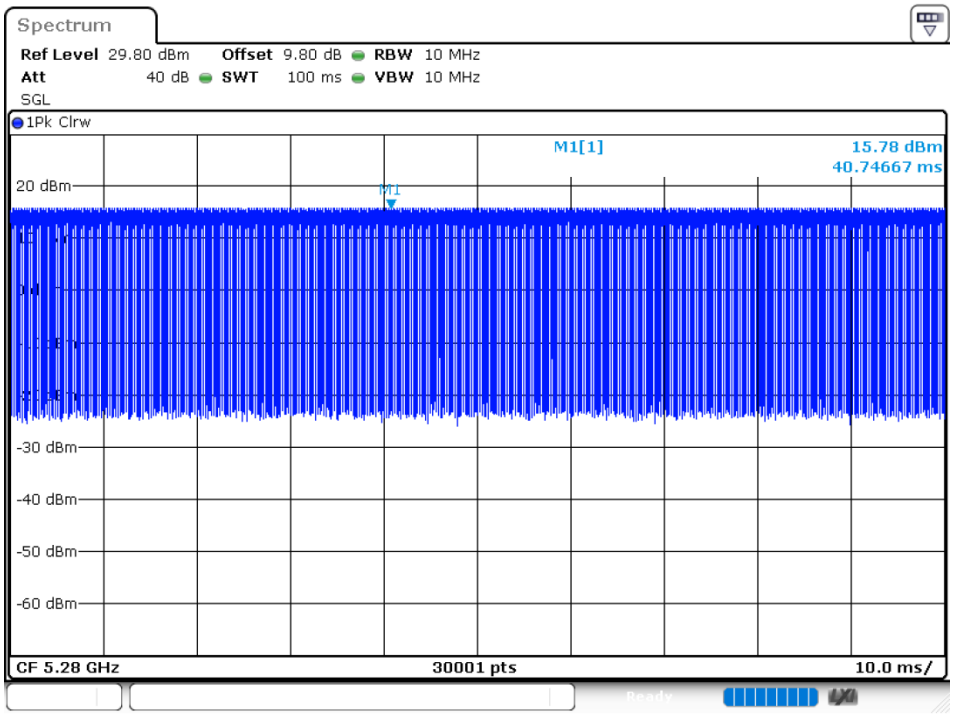
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5260	80.44	0.95
NVNT	802.11a	5280	80.47	0.94
NVNT	802.11a	5320	80.47	0.94
NVNT	802.11ac20	5260	79.44	1
NVNT	802.11ac20	5280	79.46	1
NVNT	802.11ac20	5320	79.45	1
NVNT	802.11n(HT20)	5260	79.09	1.02
NVNT	802.11n(HT20)	5280	79.08	1.02
NVNT	802.11n(HT20)	5320	79.08	1.02

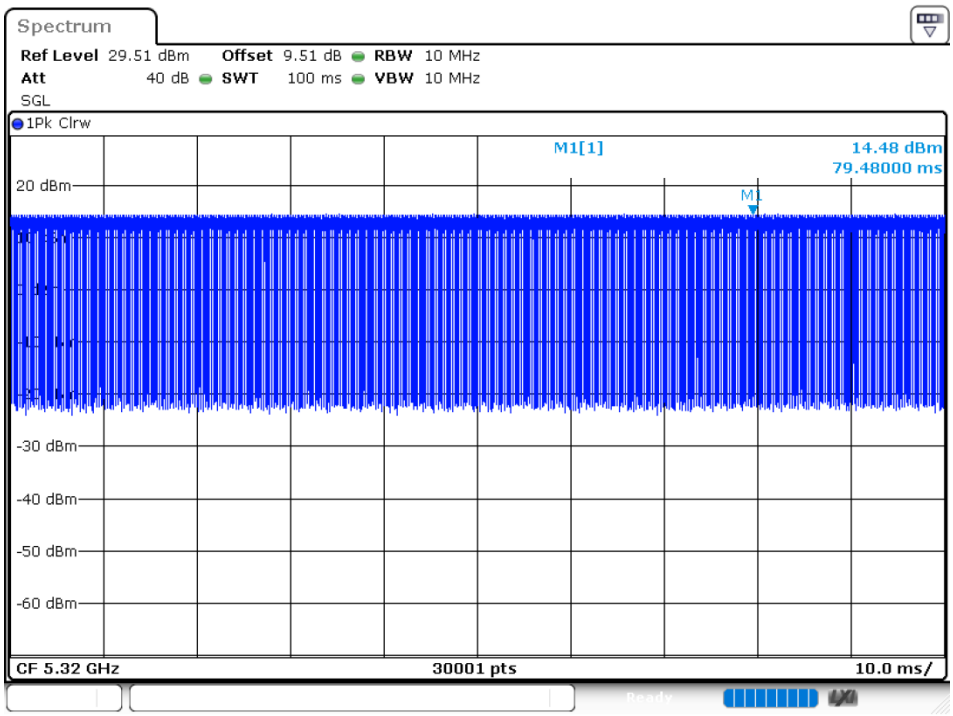
Duty Cycle NVNT 802.11a 5260MHz



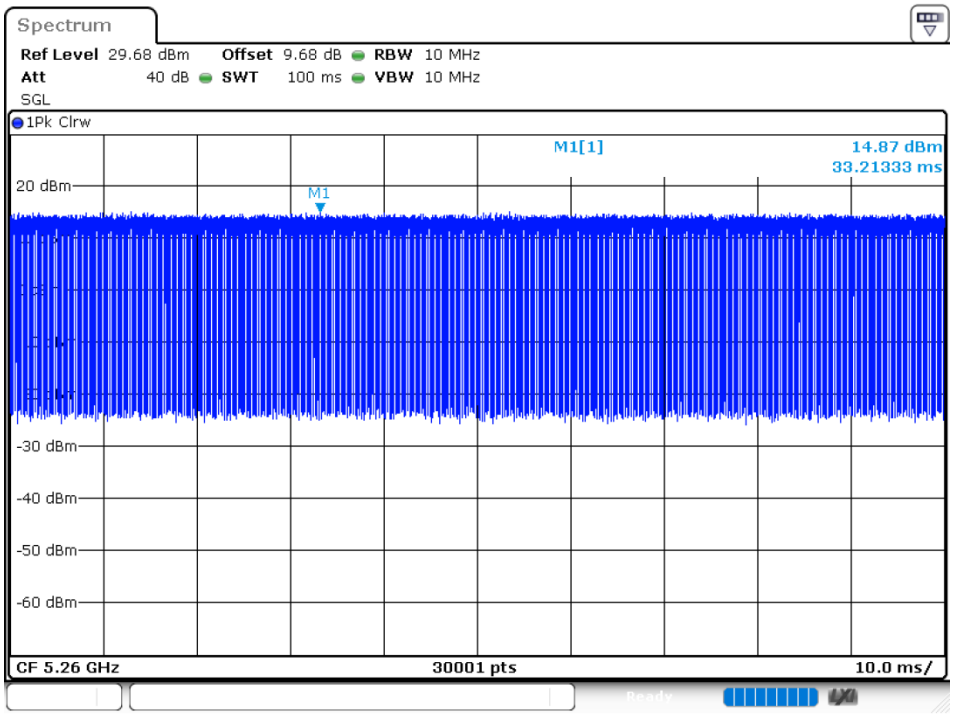
Duty Cycle NVNT 802.11a 5280MHz



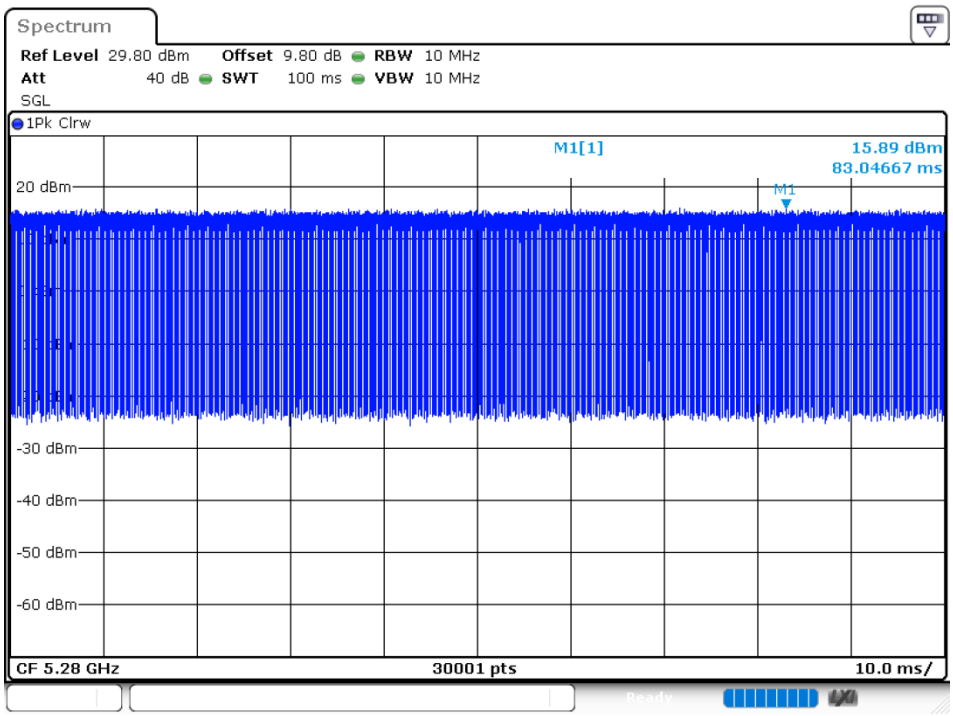
Duty Cycle NVNT 802.11a 5320MHz



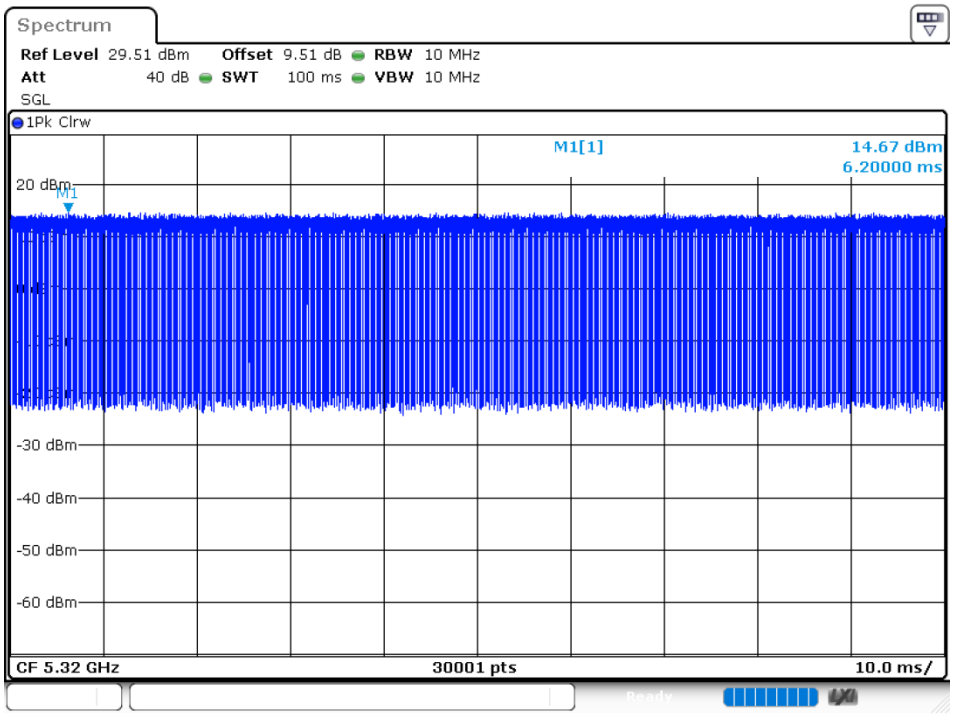
Duty Cycle NVNT 802.11ac20 5260MHz



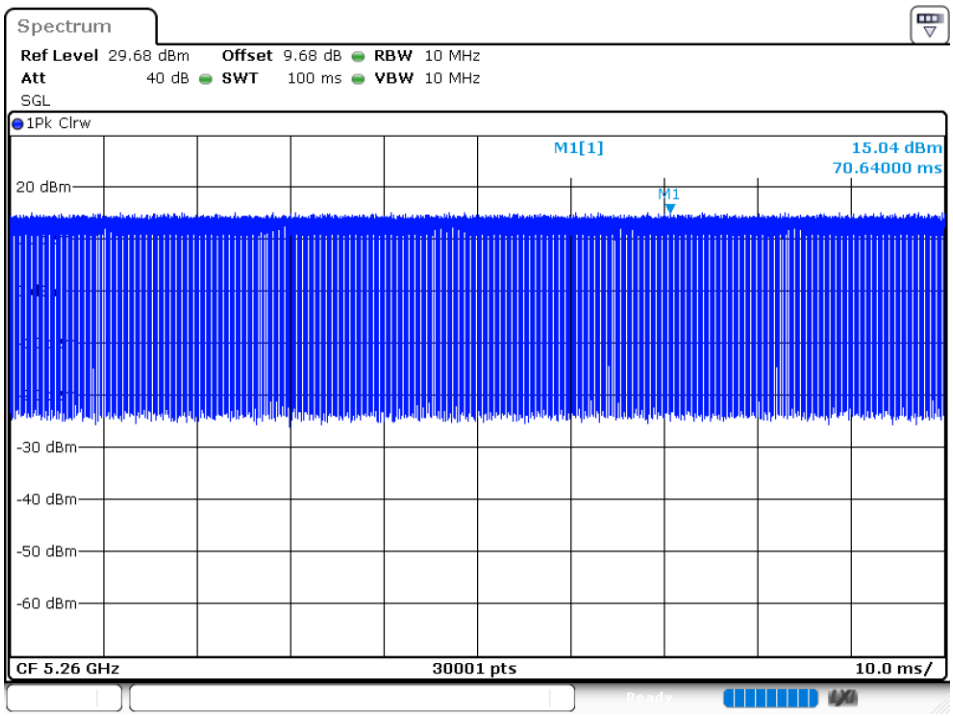
Duty Cycle NVNT 802.11ac20 5280MHz



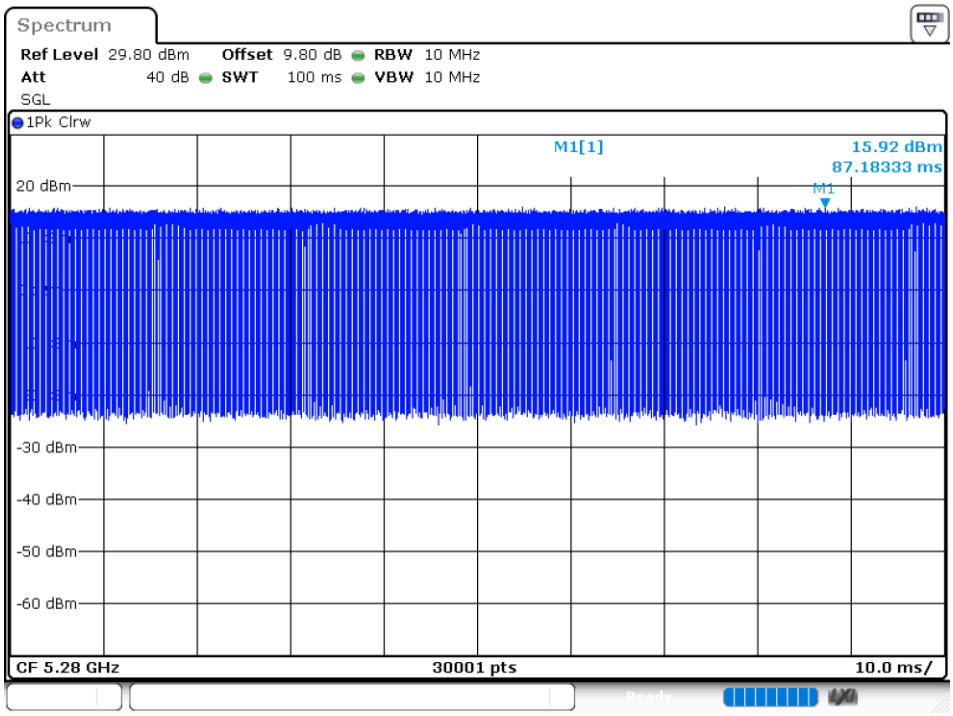
Duty Cycle NVNT 802.11ac20 5320MHz



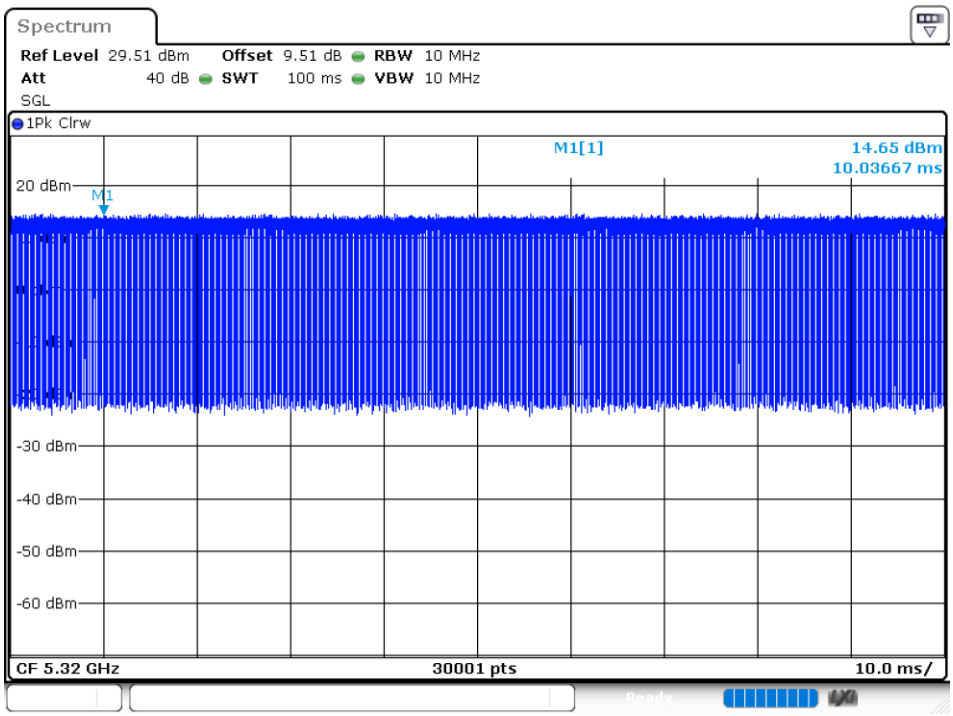
Duty Cycle NVNT 802.11n(HT20) 5260MHz



Duty Cycle NVNT 802.11n(HT20) 5280MHz



Duty Cycle NVNT 802.11n(HT20) 5320MHz



Maximum Conducted Output Power

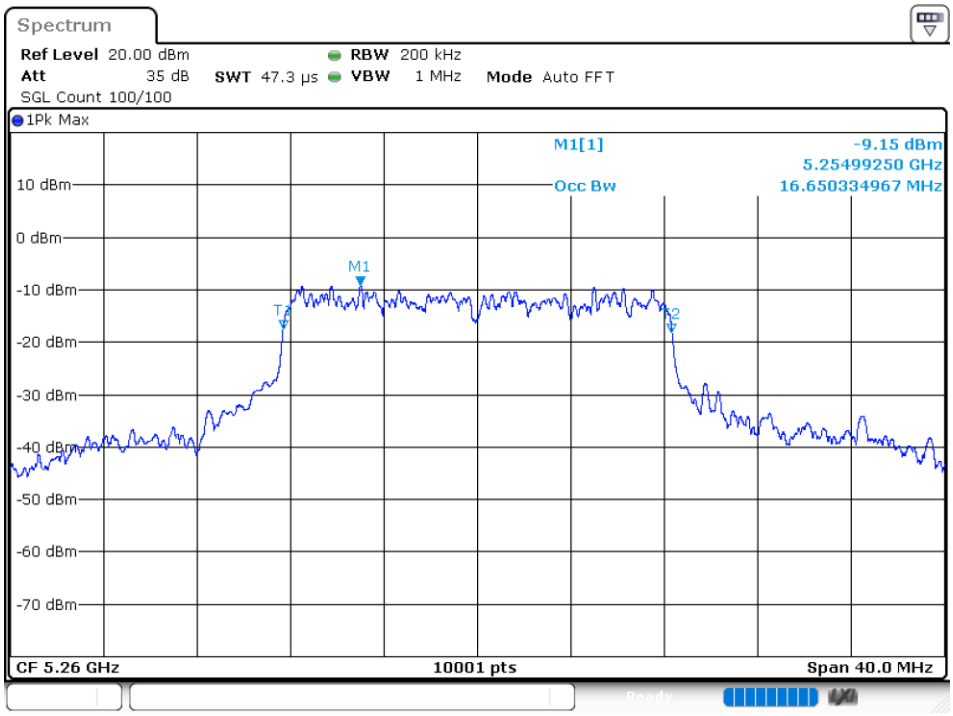
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5260	Ant 1	9.43	0.95	10.38	24	Pass
NVNT	802.11a	5280	Ant 1	9.32	0.94	10.26	24	Pass
NVNT	802.11a	5320	Ant 1	8.75	0.94	9.69	24	Pass
NVNT	802.11ac20	5260	Ant 1	8.17	1	9.17	24	Pass

NVNT	802.11ac20	5280	Ant 1	9.31	1	10.31	24	Pass
NVNT	802.11ac20	5320	Ant 1	8.83	1	9.83	24	Pass
NVNT	802.11n(HT20)	5260	Ant 1	8.28	1.02	9.3	24	Pass
NVNT	802.11n(HT20)	5280	Ant 1	9.36	1.02	10.38	24	Pass
NVNT	802.11n(HT20)	5320	Ant 1	8.81	1.02	9.83	24	Pass

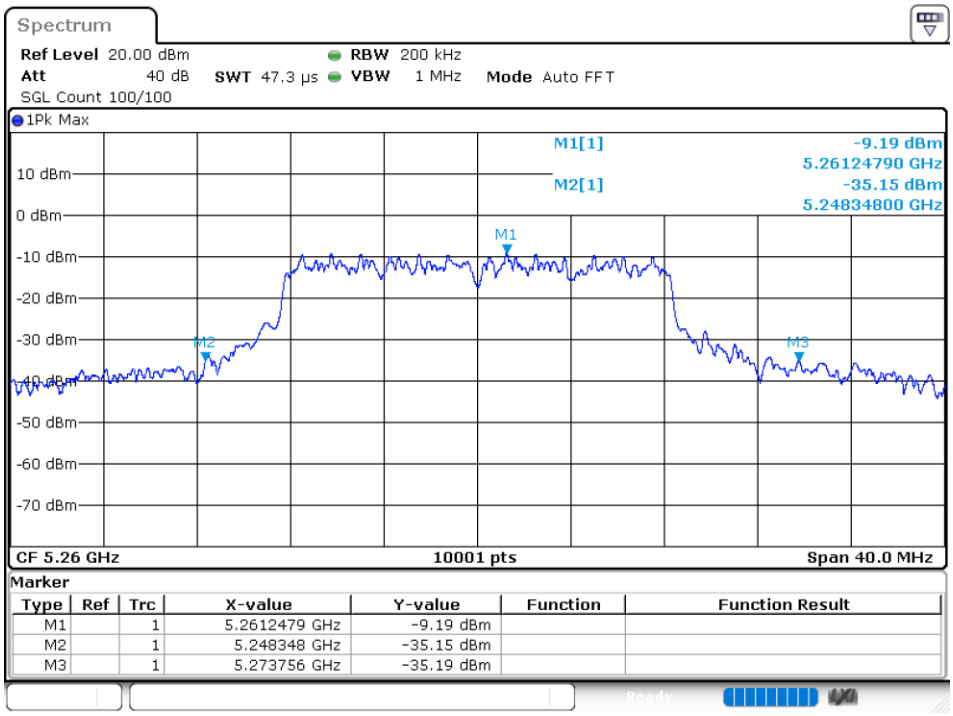
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5260	Ant 1	16.6503	25.408	Pass
NVNT	802.11a	5280	Ant 1	16.6063	21.508	Pass
NVNT	802.11a	5320	Ant 1	16.7583	22.704	Pass
NVNT	802.11ac20	5260	Ant 1	17.8849	28.5291	Pass
NVNT	802.11ac20	5280	Ant 1	17.8902	23.252	Pass
NVNT	802.11ac20	5320	Ant 1	18.0542	27.872	Pass
NVNT	802.11n(HT20)	5260	Ant 1	17.9382	27.184	Pass
NVNT	802.11n(HT20)	5280	Ant 1	17.8862	26.02	Pass
NVNT	802.11n(HT20)	5320	Ant 1	17.9982	26.396	Pass

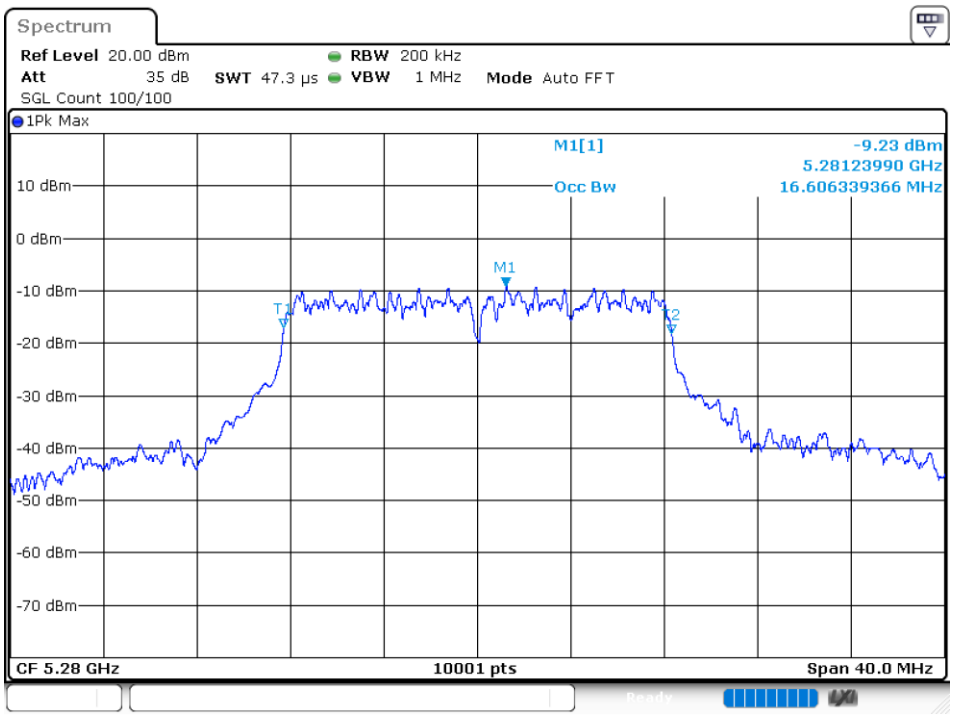
OBW NVNT 802.11a 5260MHz Ant1



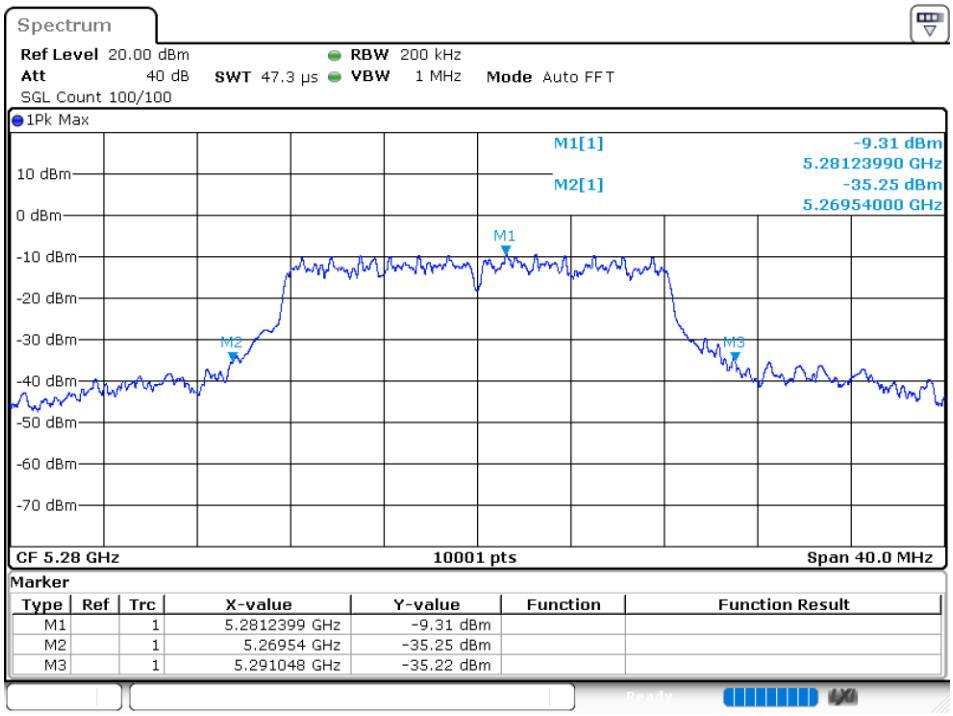
-26 dB BW NVNT 802.11a 5260MHz Ant1



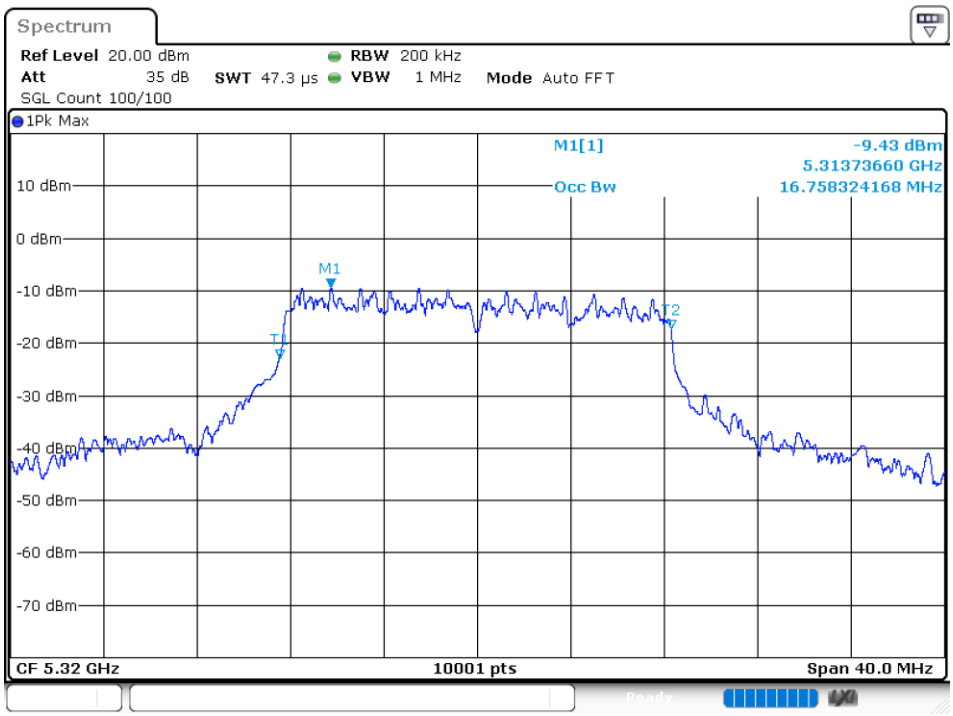
OBW NVNT 802.11a 5280MHz Ant1



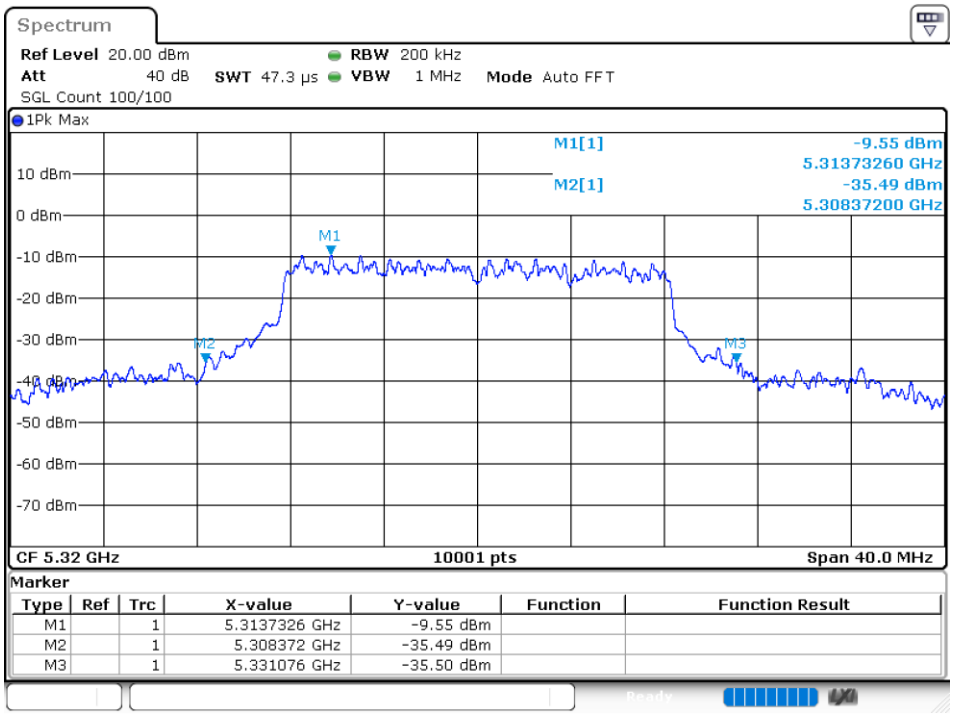
-26 dB BW NVNT 802.11a 5280MHz Ant1



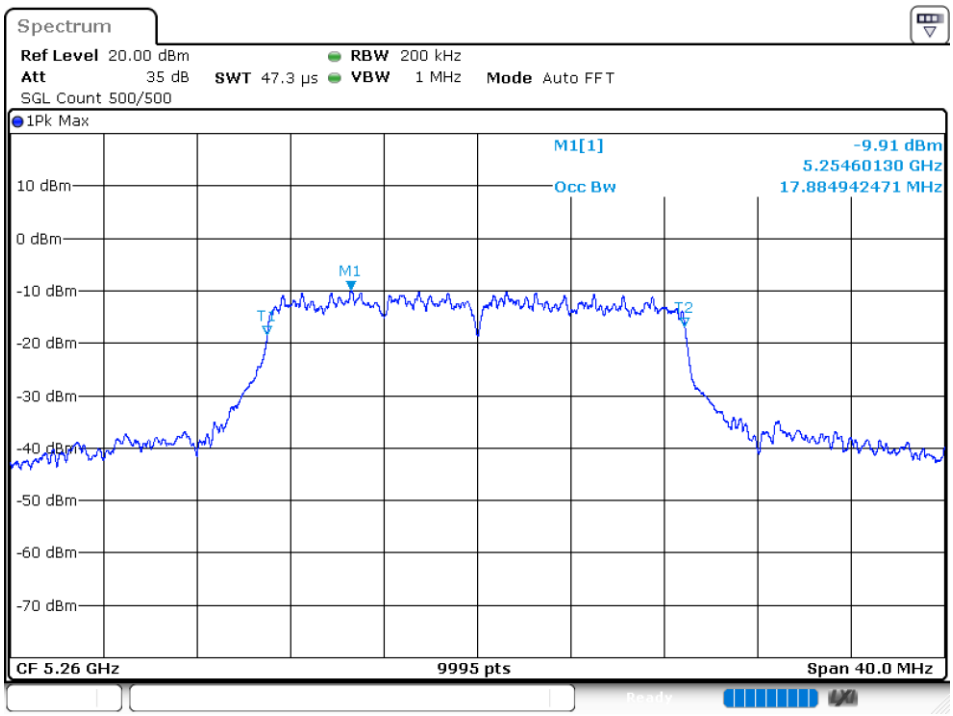
OBW NVNT 802.11a 5320MHz Ant1



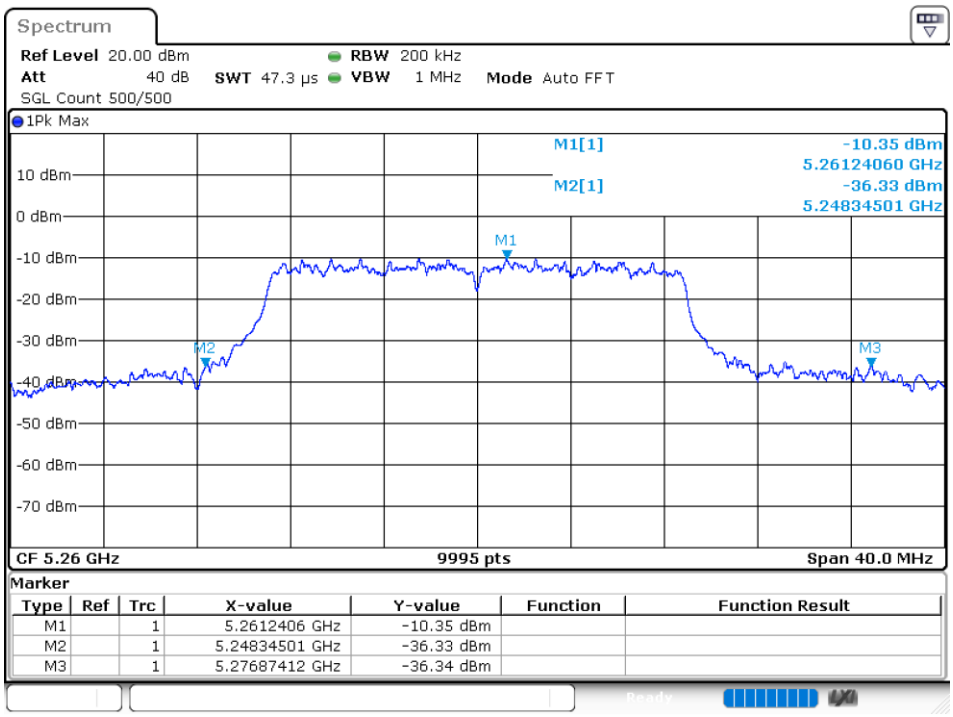
-26 dB BW NVNT 802.11a 5320MHz Ant1



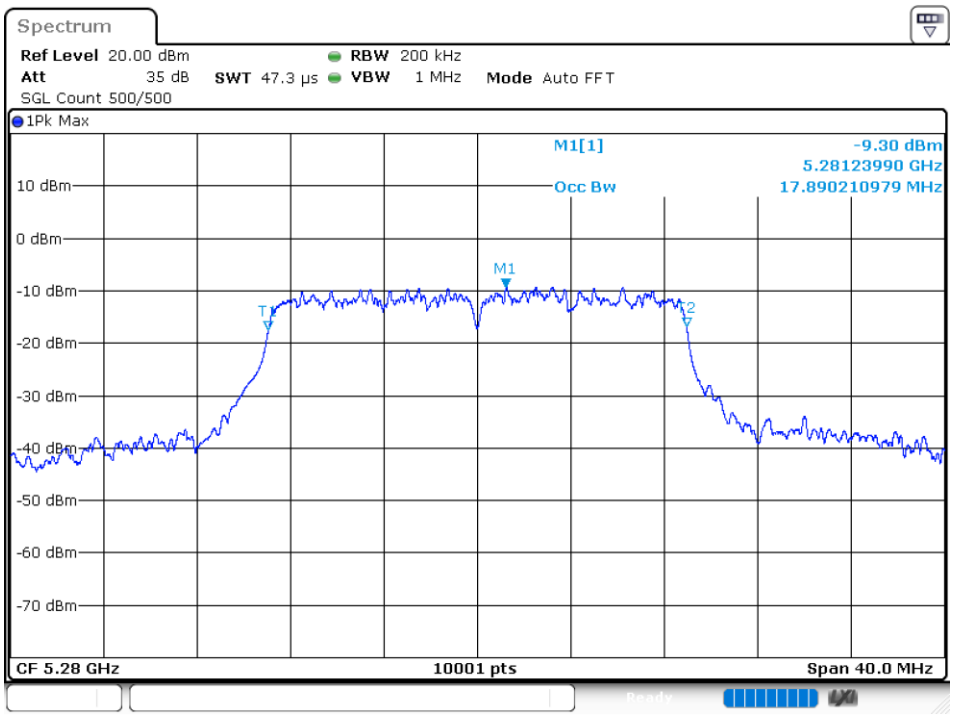
OBW NVNT 802.11ac20 5260MHz Ant1



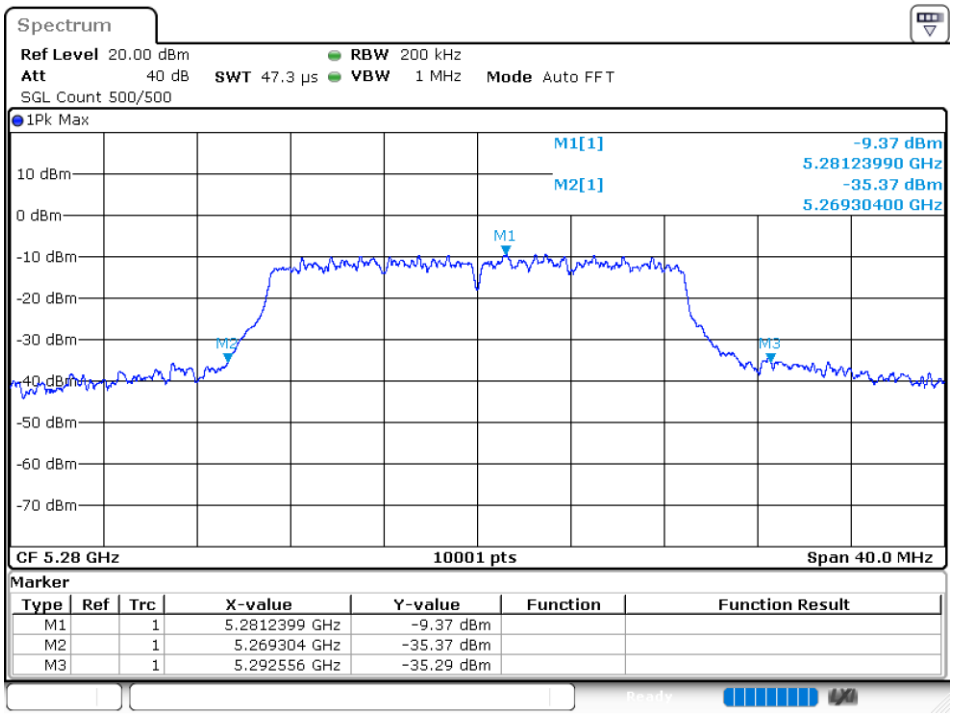
-26 dB BW NVNT 802.11ac20 5260MHz Ant1



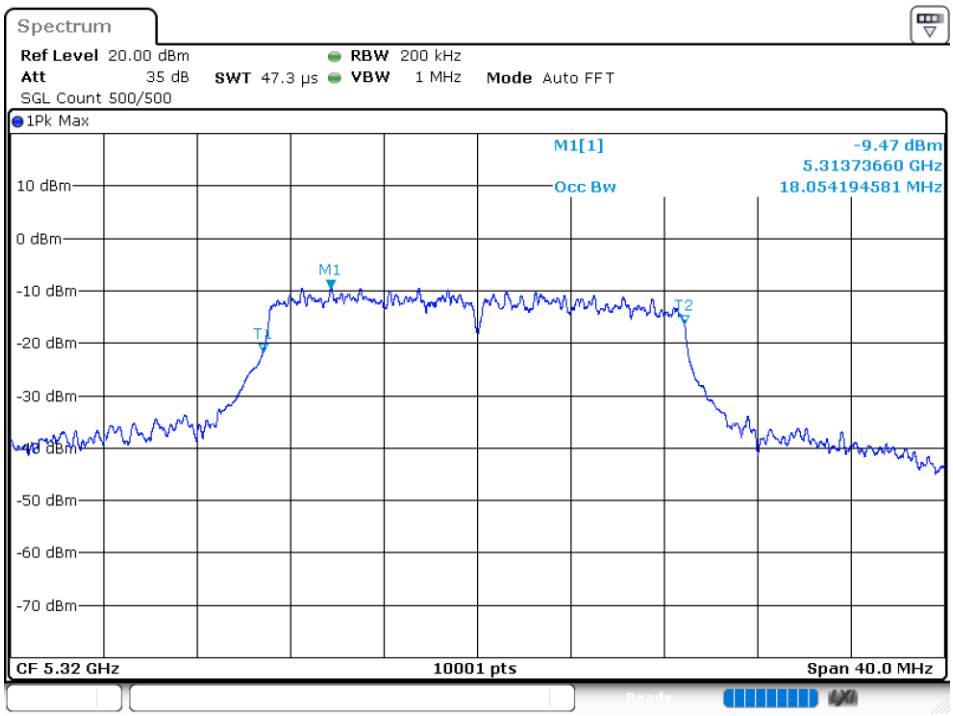
OBW NVNT 802.11ac20 5280MHz Ant1



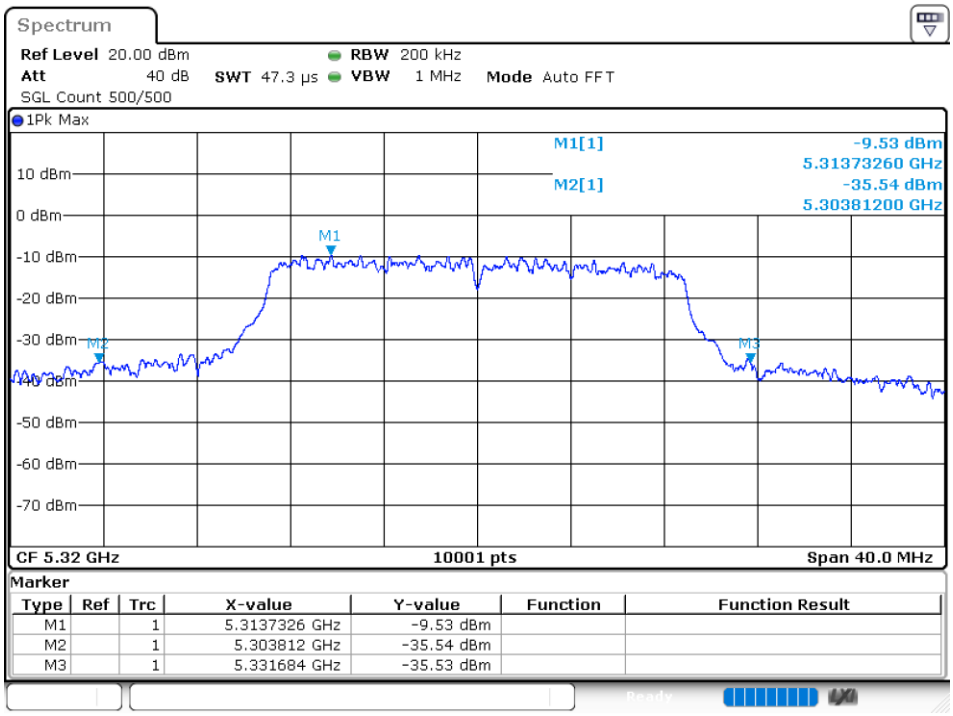
-26 dB BW NVNT 802.11ac20 5280MHz Ant1



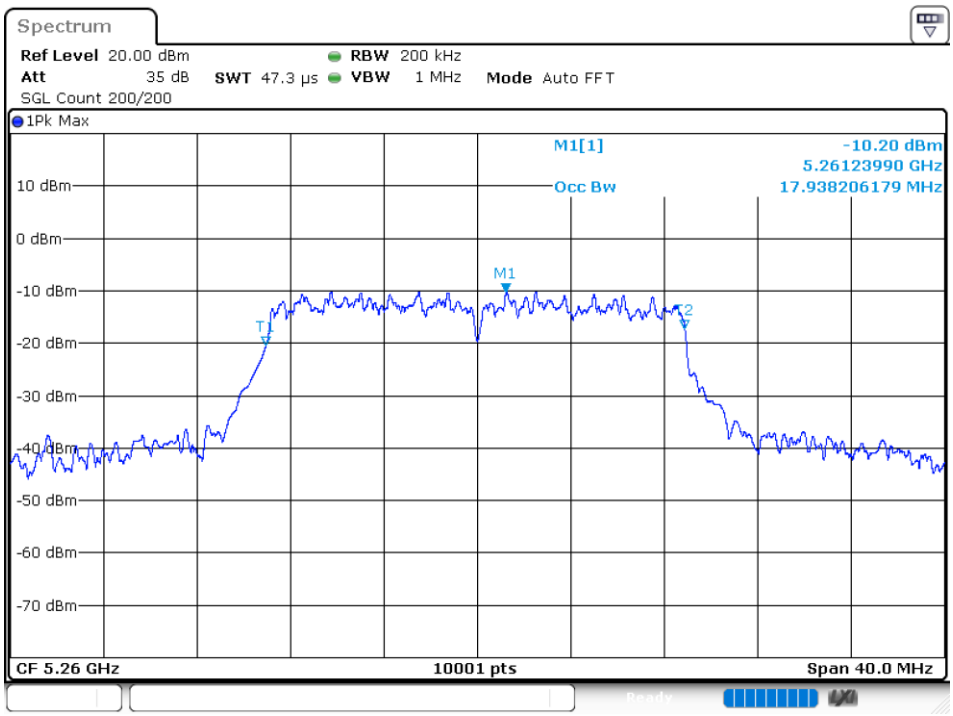
OBW NVNT 802.11ac20 5320MHz Ant1



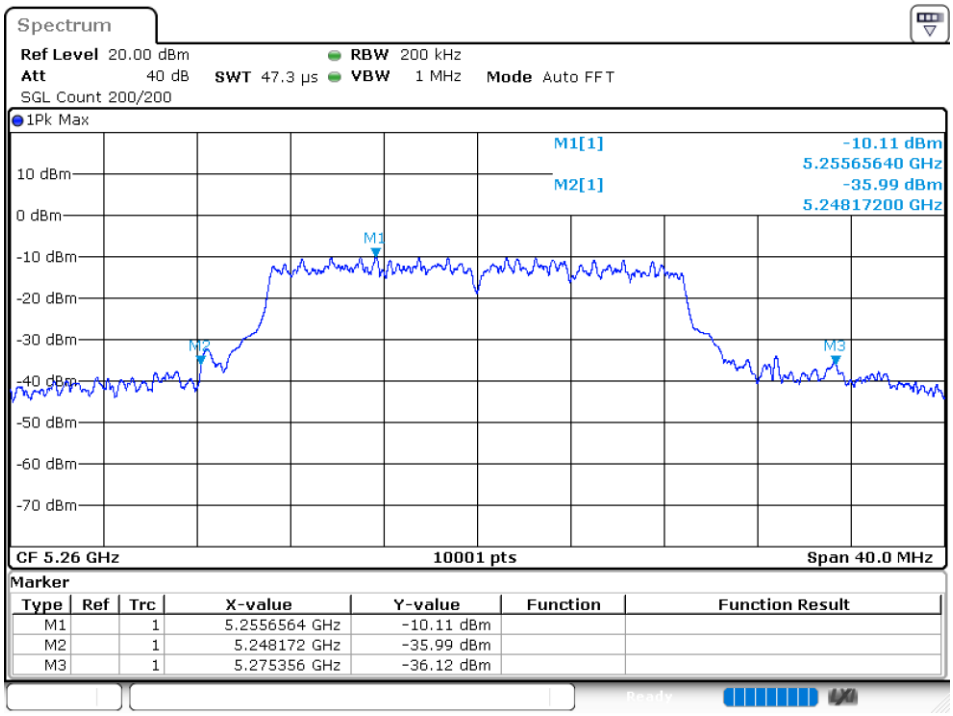
-26 dB BW NVNT 802.11ac20 5320MHz Ant1



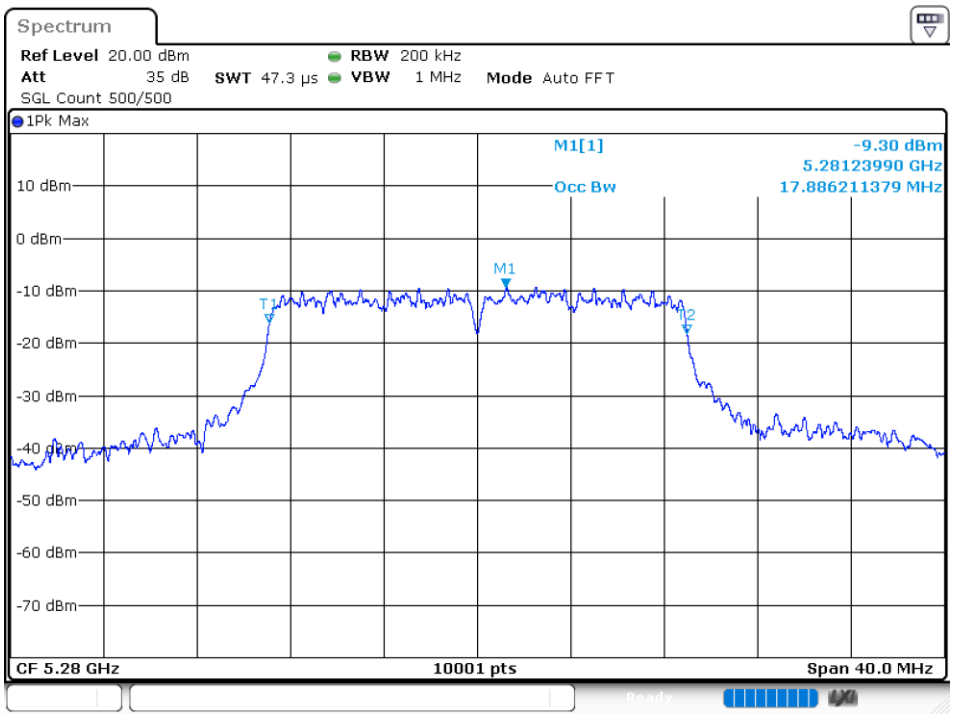
OBW NVNT 802.11n(HT20) 5260MHz Ant1



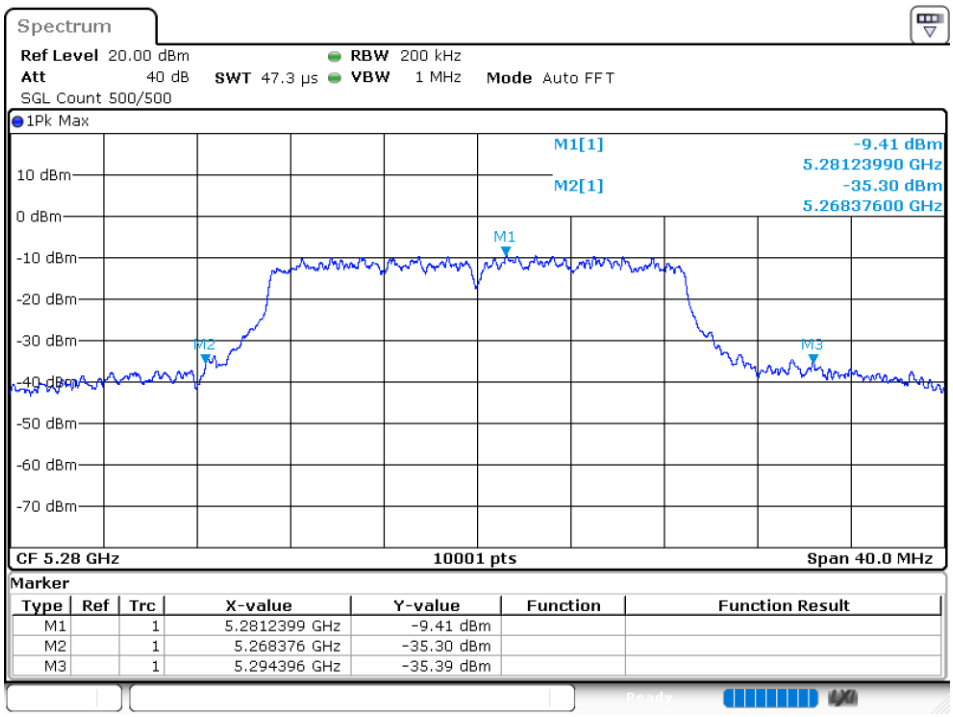
-26 dB BW NVNT 802.11n(HT20) 5260MHz Ant1



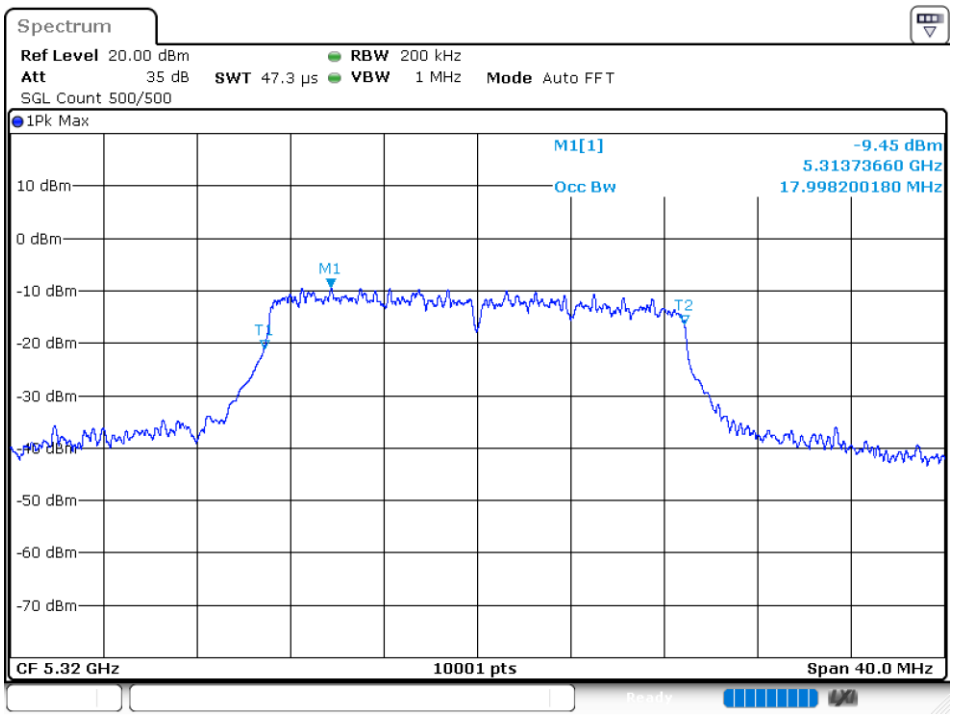
OBW NVNT 802.11n(HT20) 5280MHz Ant1



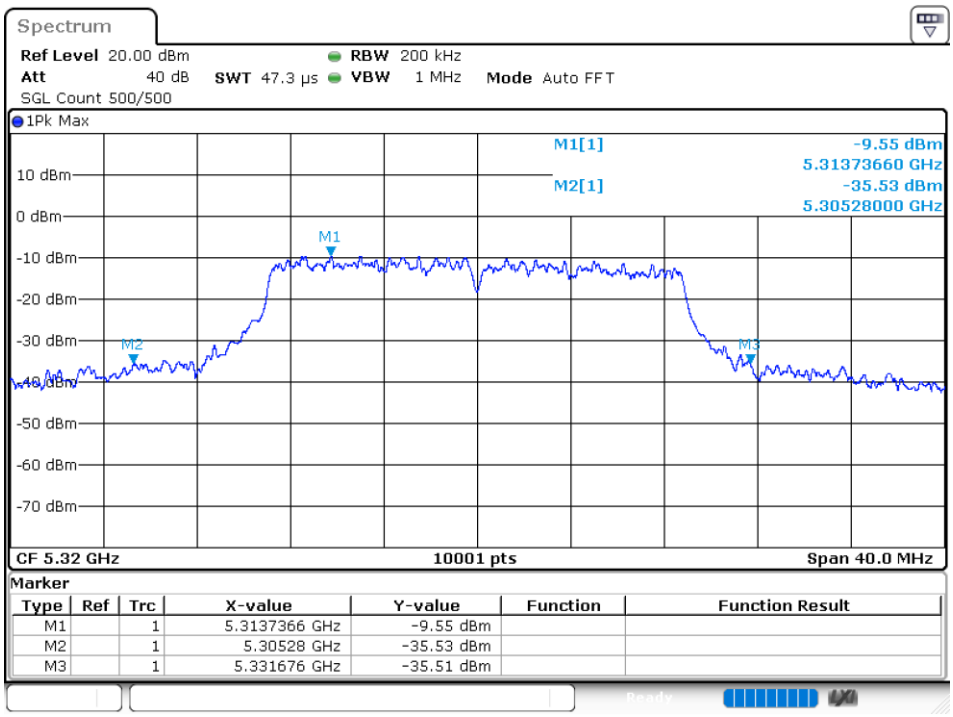
-26 dB BW NVNT 802.11n(HT20) 5280MHz Ant1



OBW NVNT 802.11n(HT20) 5320MHz Ant1



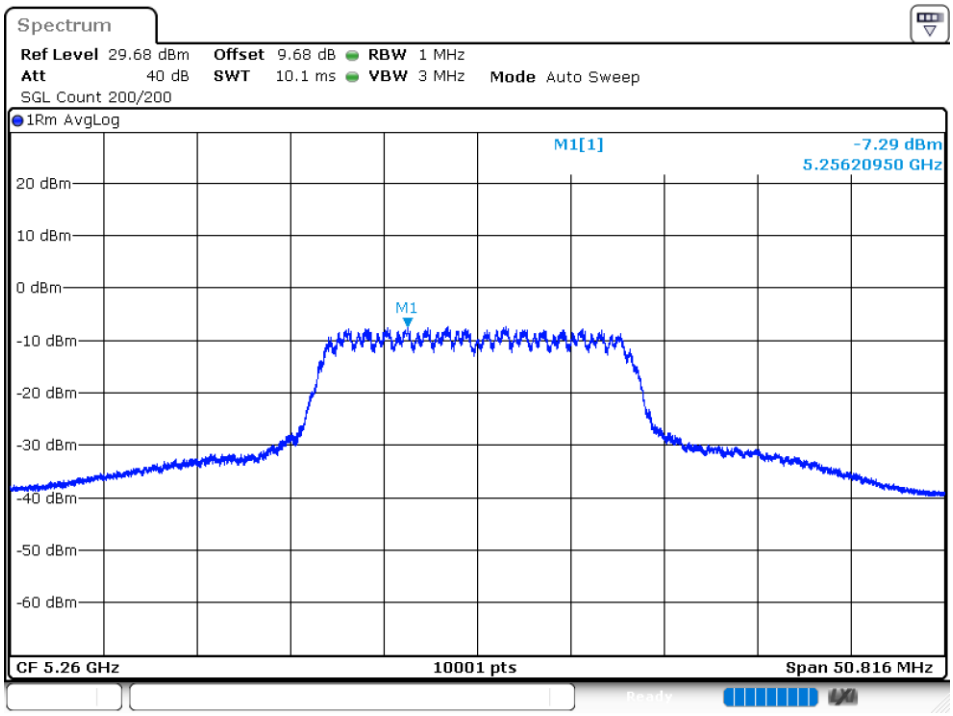
-26 dB BW NVNT 802.11n(HT20) 5320MHz Ant1



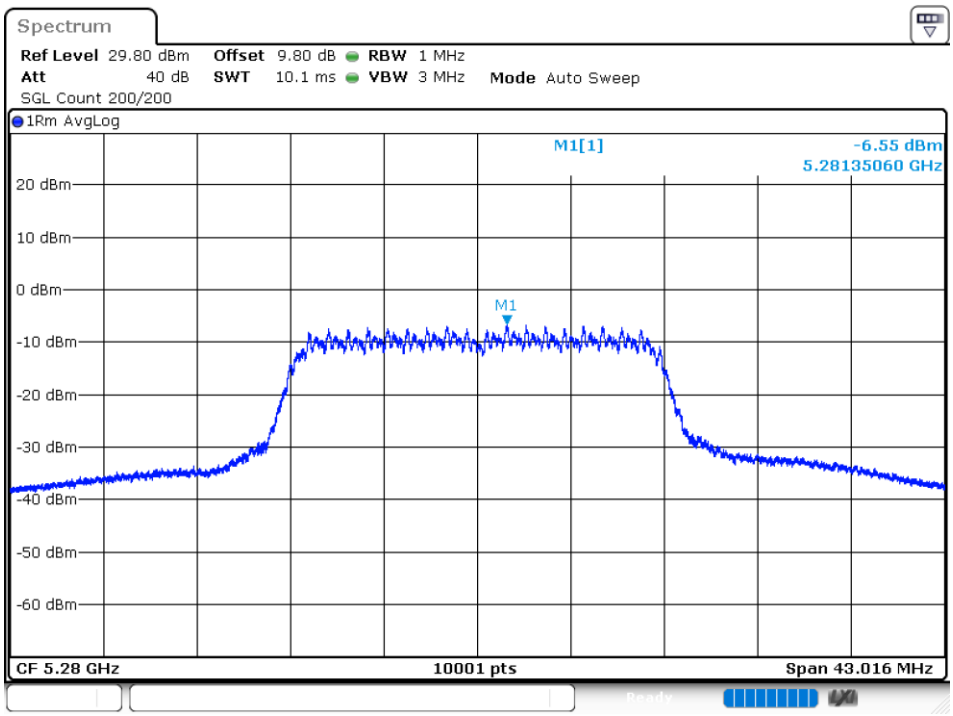
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5260	Ant 1	-7.286	11	Pass
NVNT	802.11a	5280	Ant 1	-6.547	11	Pass
NVNT	802.11a	5320	Ant 1	-6.788	11	Pass
NVNT	802.11ac20	5260	Ant 1	-9.146	11	Pass
NVNT	802.11ac20	5280	Ant 1	-9.019	11	Pass
NVNT	802.11ac20	5320	Ant 1	-9.384	11	Pass
NVNT	802.11n(HT20)	5260	Ant 1	-8.404	11	Pass
NVNT	802.11n(HT20)	5280	Ant 1	-8.728	11	Pass
NVNT	802.11n(HT20)	5320	Ant 1	-9.266	11	Pass

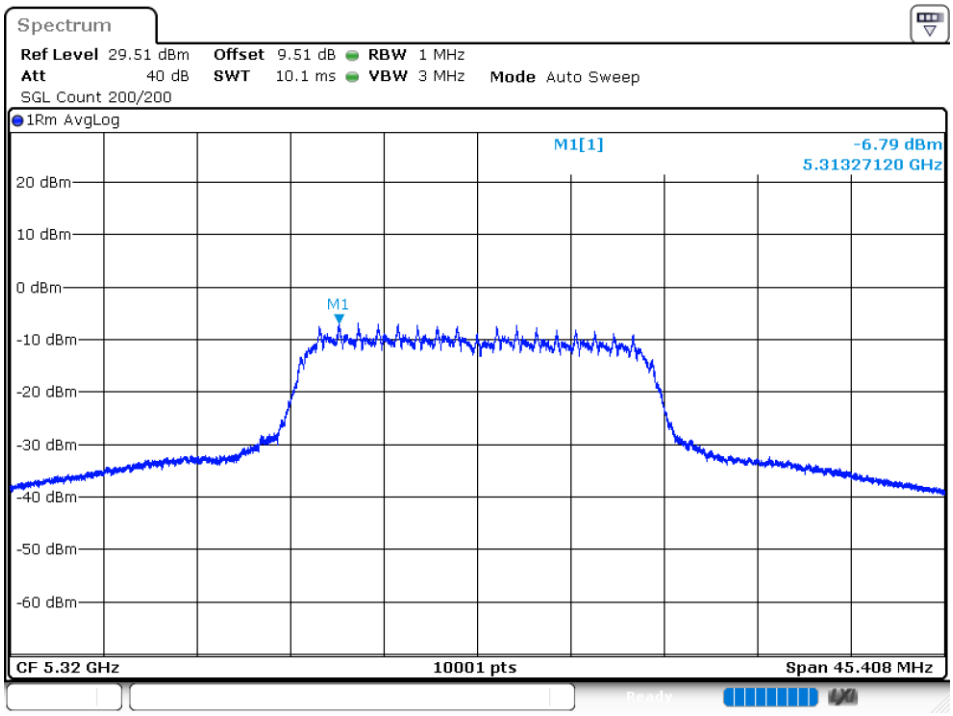
PSD NVNT 802.11a 5260MHz Ant1



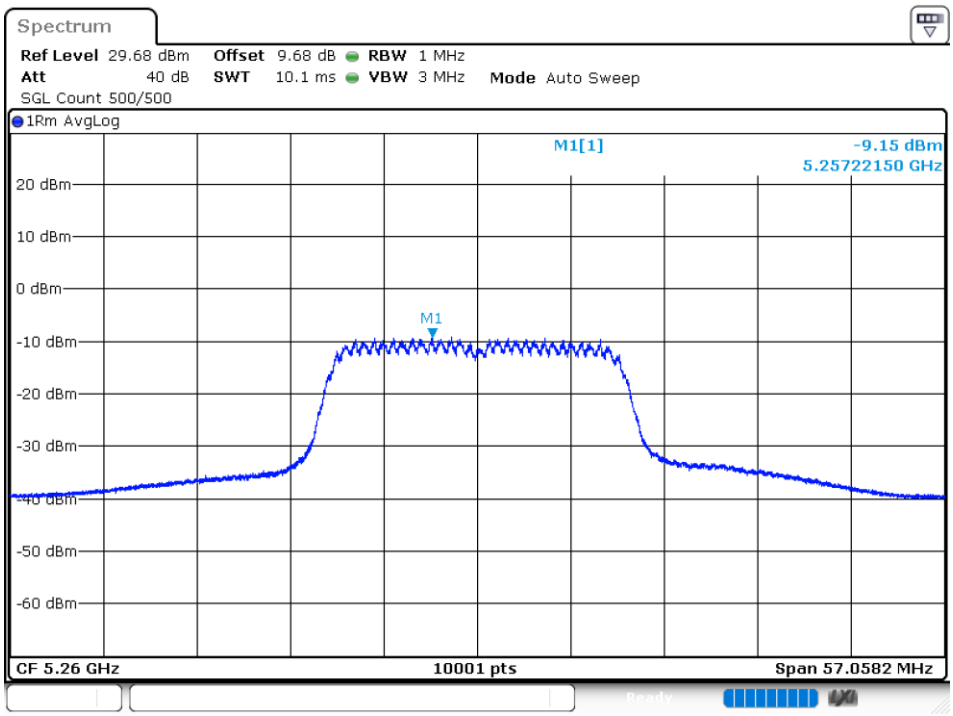
PSD NVNT 802.11a 5280MHz Ant1



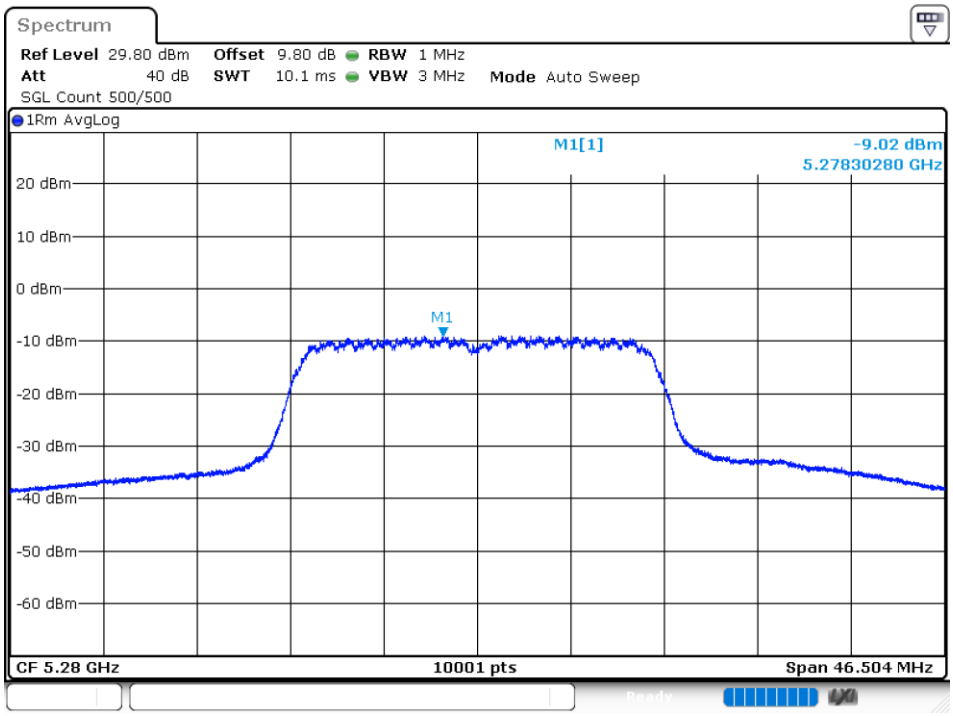
PSD NVNT 802.11a 5320MHz Ant1



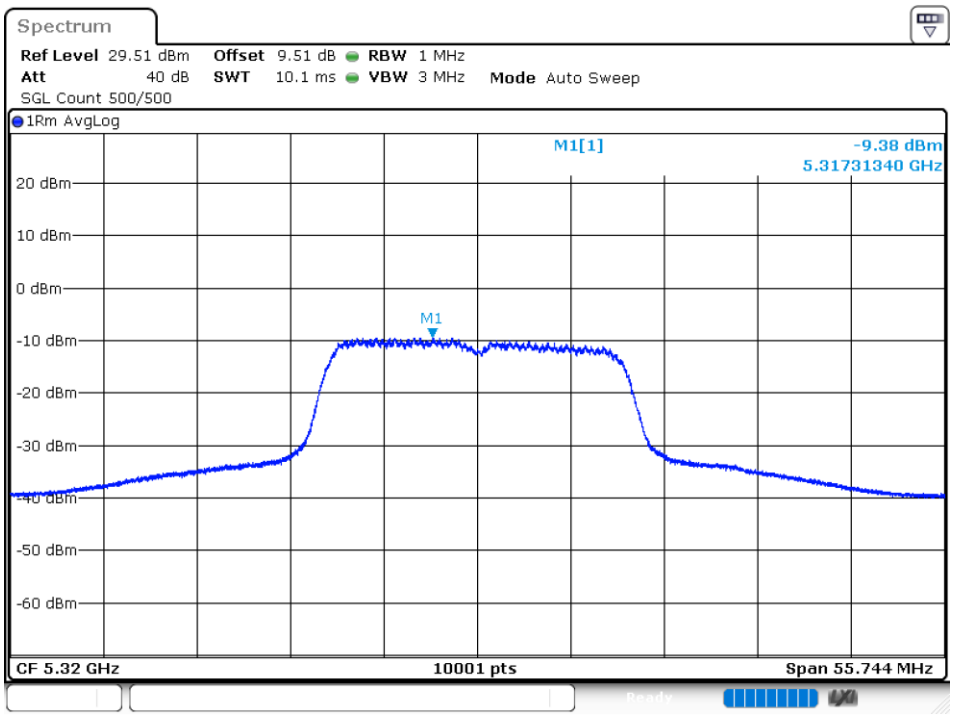
PSD NVNT 802.11ac20 5260MHz Ant1



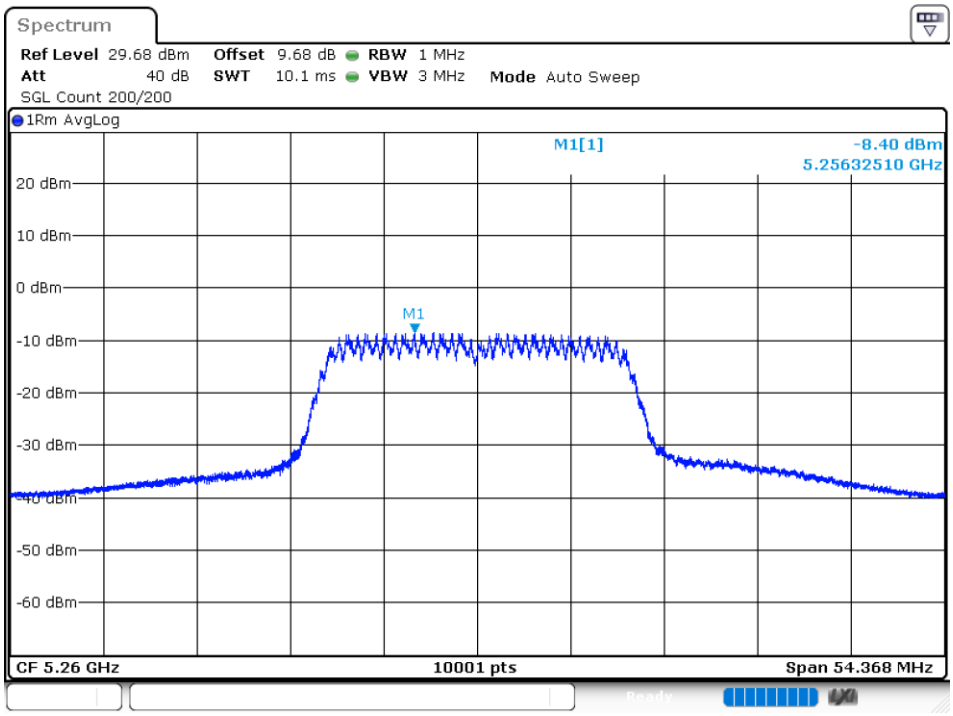
PSD NVNT 802.11ac20 5280MHz Ant1



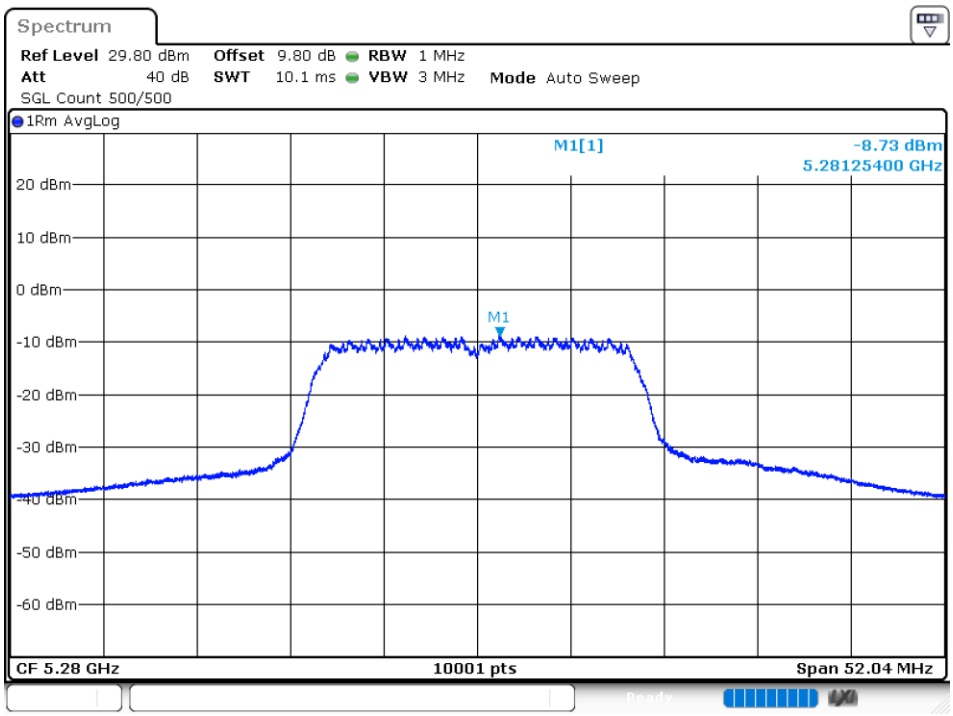
PSD NVNT 802.11ac20 5320MHz Ant1



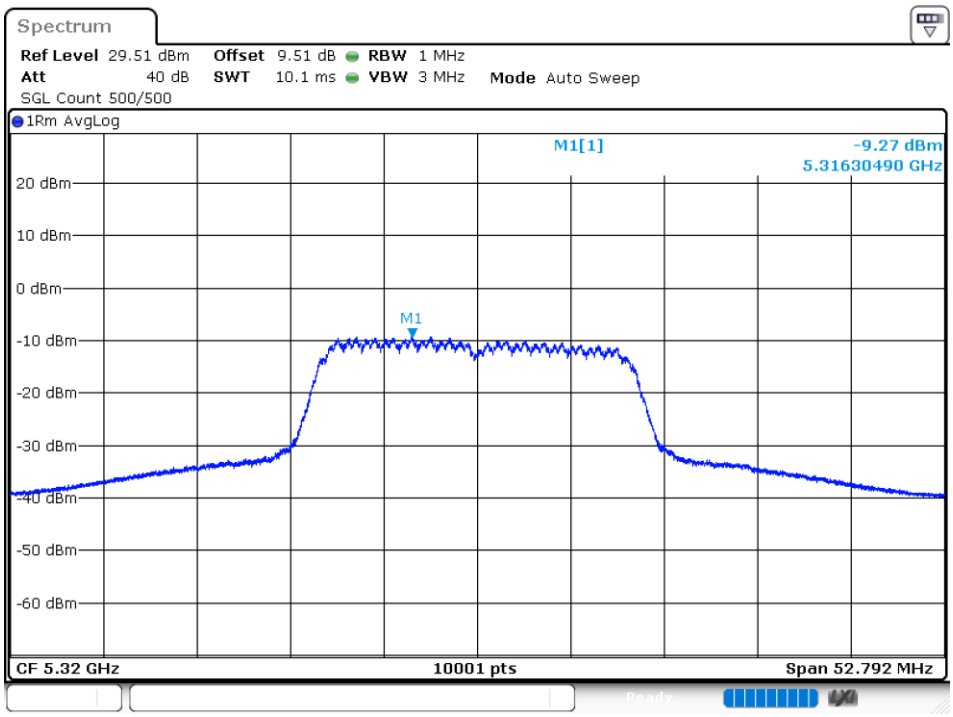
PSD NVNT 802.11n(HT20) 5260MHz Ant1



PSD NVNT 802.11n(HT20) 5280MHz Ant1



PSD NVNT 802.11n(HT20) 5320MHz Ant1



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5260	Ant 1	-43.93	-27	Pass
NVNT	802.11a	5320	Ant 1	-38.1	-27	Pass
NVNT	802.11ac20	5260	Ant 1	-44.58	-27	Pass
NVNT	802.11ac20	5320	Ant 1	-35.39	-27	Pass
NVNT	802.11n(HT20)	5260	Ant 1	-44.18	-27	Pass
NVNT	802.11n(HT20)	5320	Ant 1	-34.27	-27	Pass

Band Edge NVNT 802.11a 5260MHz Low Ant1