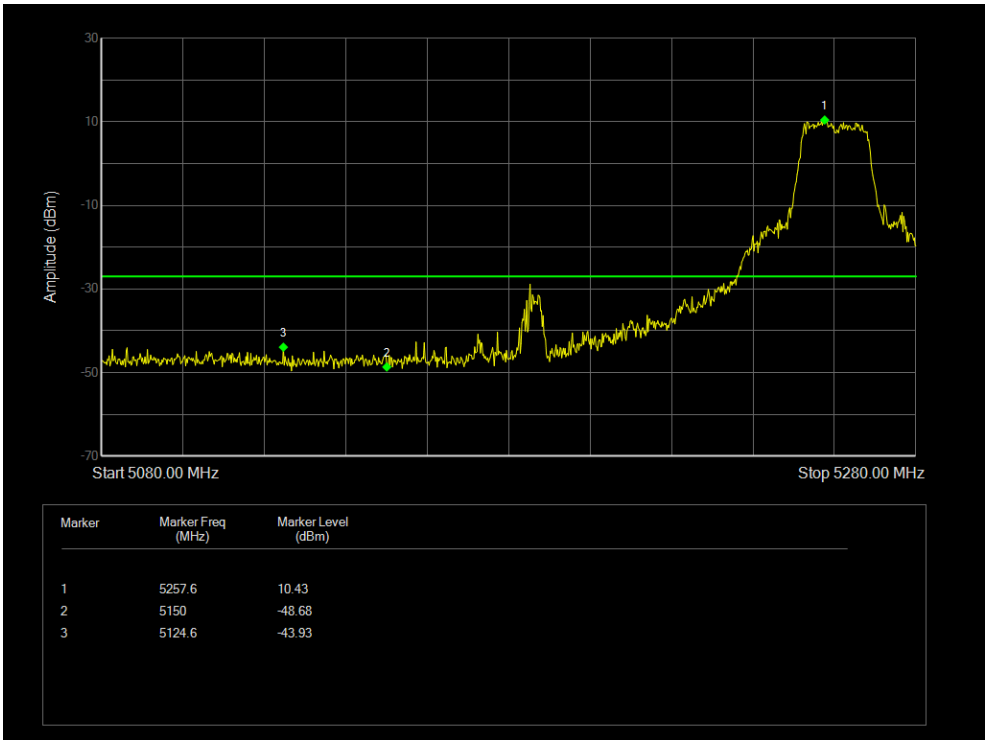
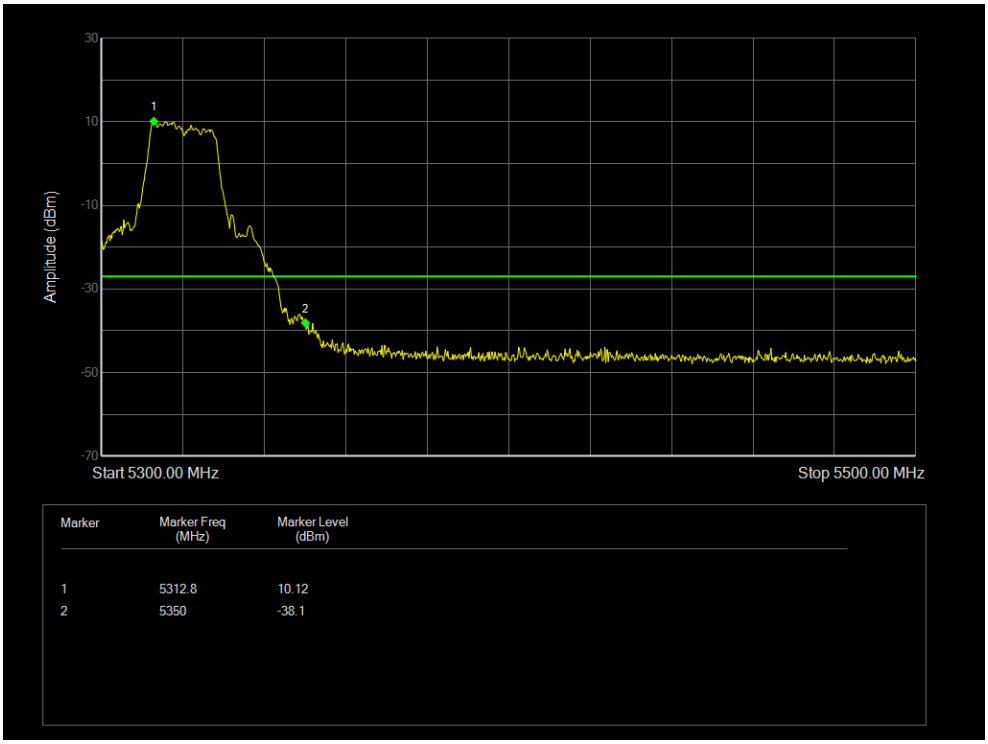
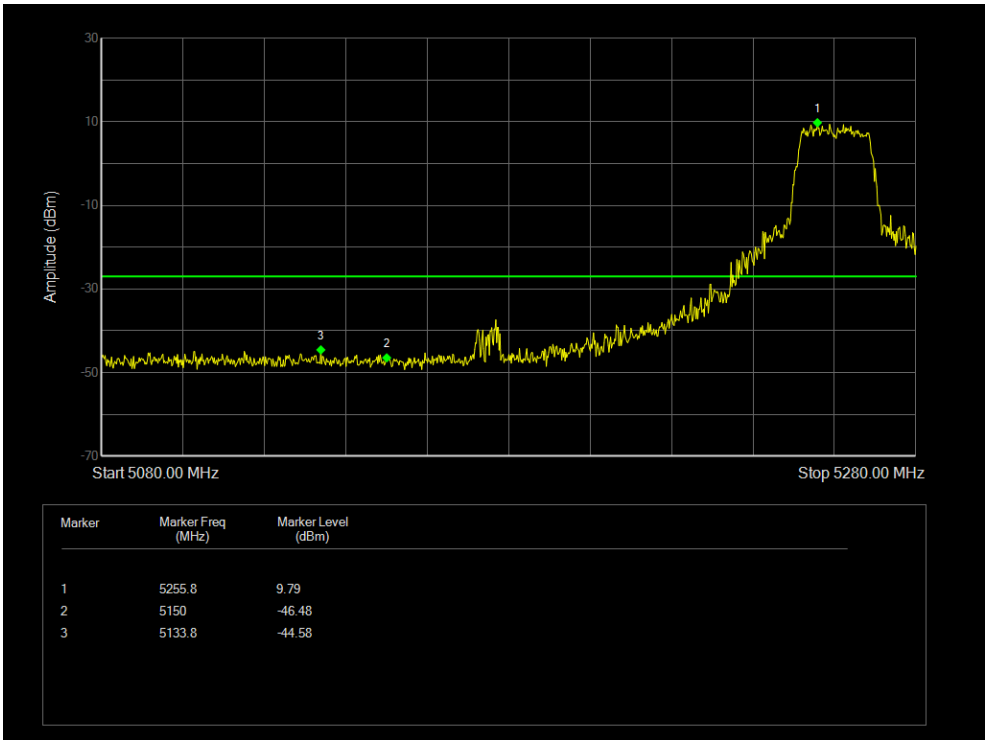


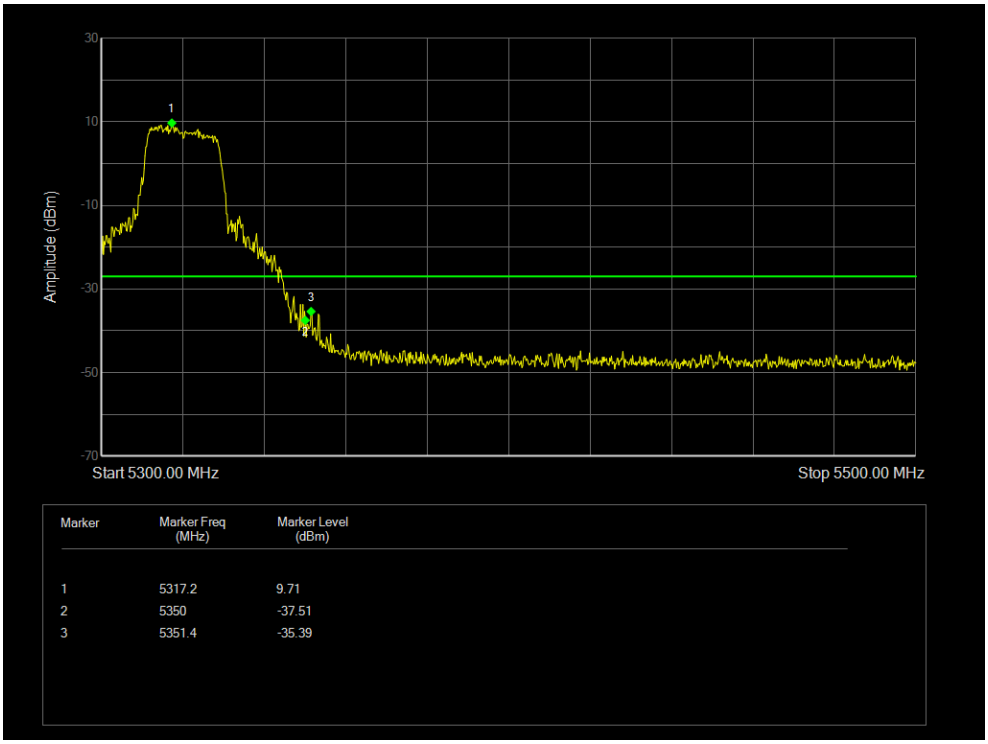
Band Edge NVNT 802.11a 5320MHz High Ant1



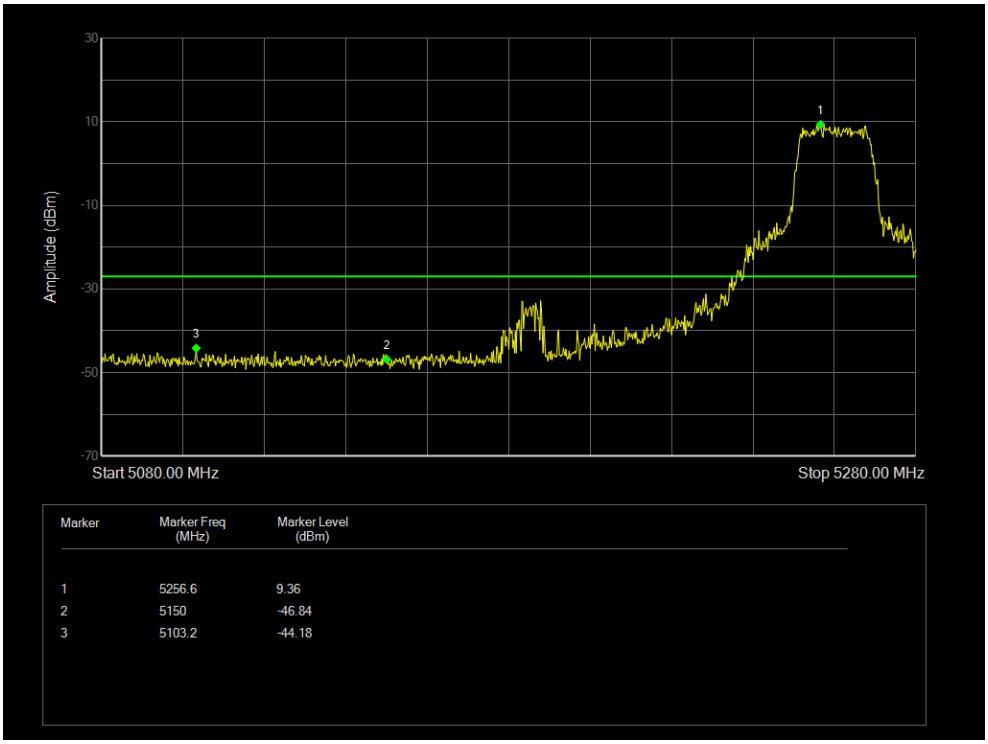
Band Edge NVNT 802.11ac20 5260MHz Low Ant1



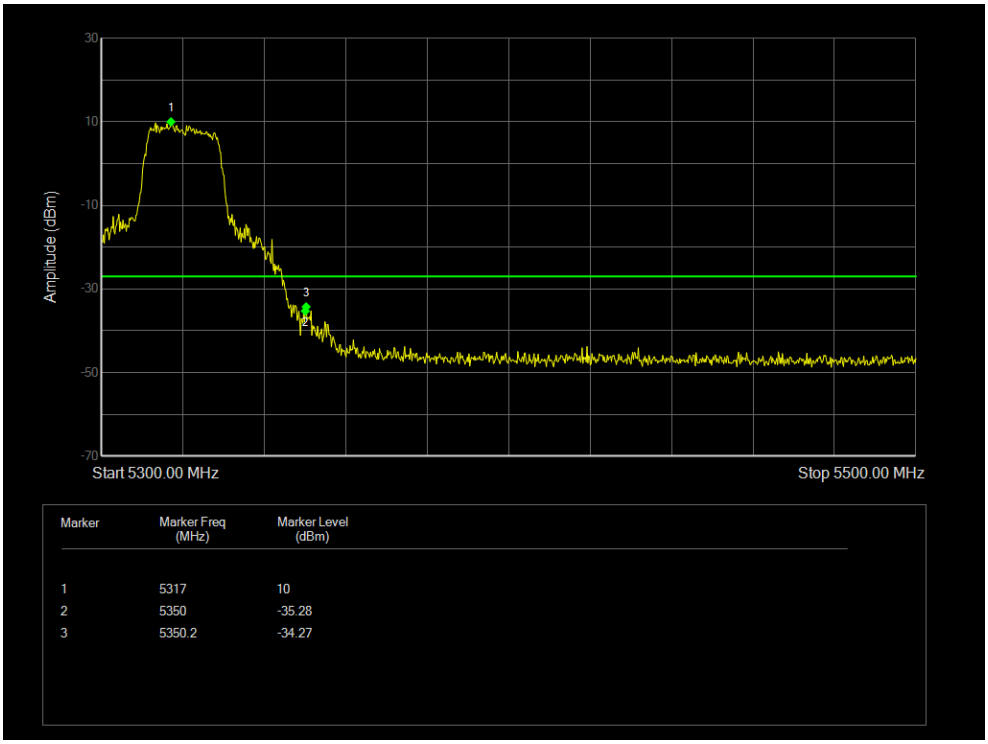
Band Edge NVNT 802.11ac20 5320MHz High Ant1



Band Edge NVNT 802.11n(HT20) 5260MHz Low Ant1



Band Edge NVNT 802.11n(HT20) 5320MHz High Ant1

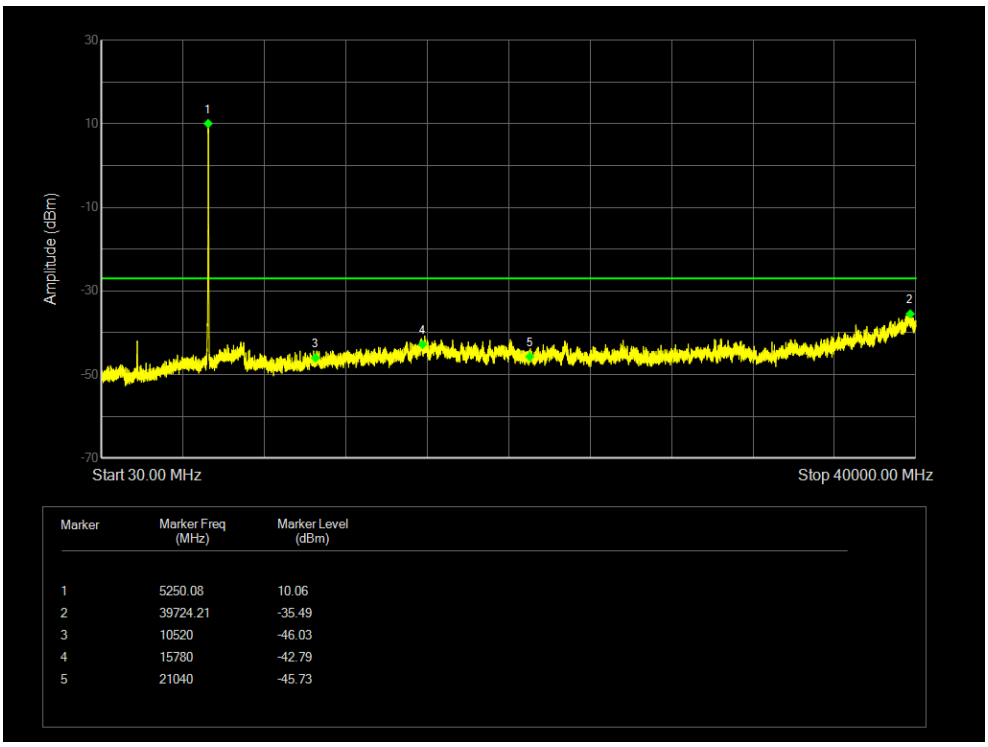


Conducted RF Spurious Emission

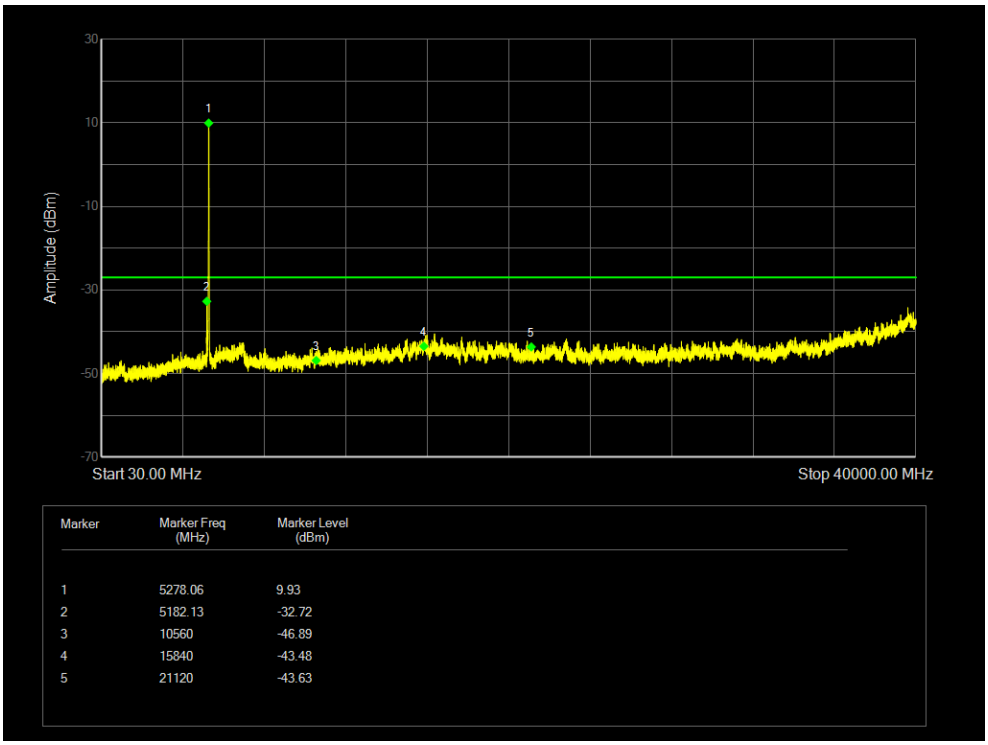
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5260	Ant 1	-35.49	-27	Pass
NVNT	802.11a	5280	Ant 1	-32.72	-27	Pass
NVNT	802.11a	5320	Ant 1	-31.12	-27	Pass
NVNT	802.11ac20	5260	Ant 1	-34.81	-27	Pass
NVNT	802.11ac20	5280	Ant 1	-34.15	-27	Pass

NVNT	802.11ac20	5320	Ant 1	-35.5	-27	Pass
NVNT	802.11n(HT20)	5260	Ant 1	-35.4	-27	Pass
NVNT	802.11n(HT20)	5280	Ant 1	-35.34	-27	Pass
NVNT	802.11n(HT20)	5320	Ant 1	-35.73	-27	Pass

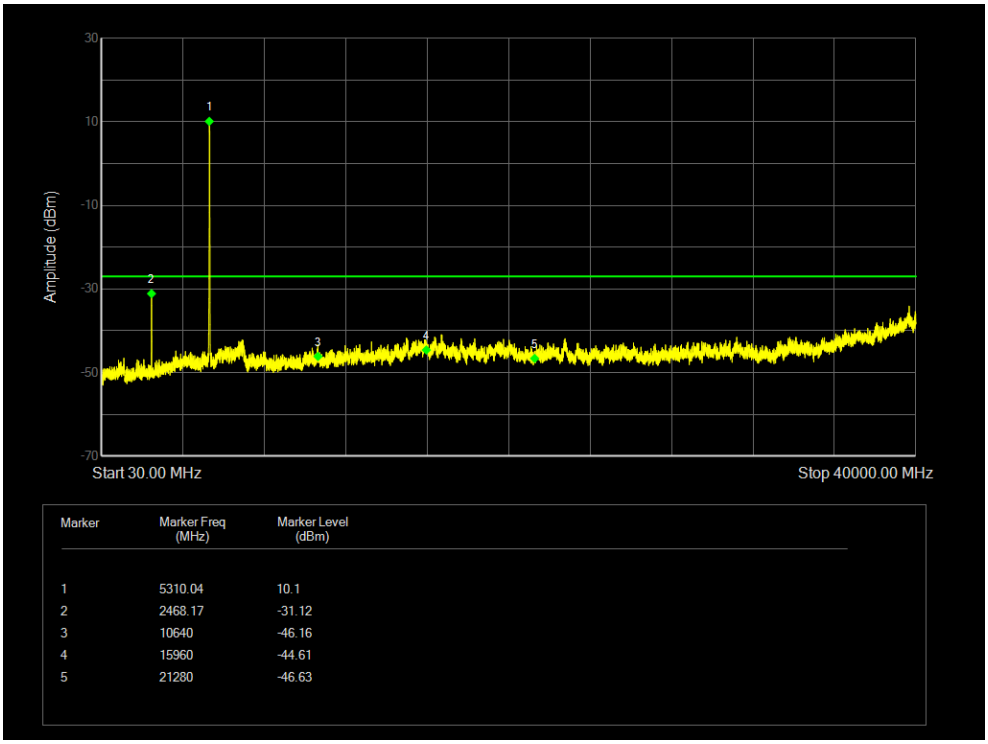
Tx. Spurious NVNT 802.11a 5260MHz Ant1 Emission



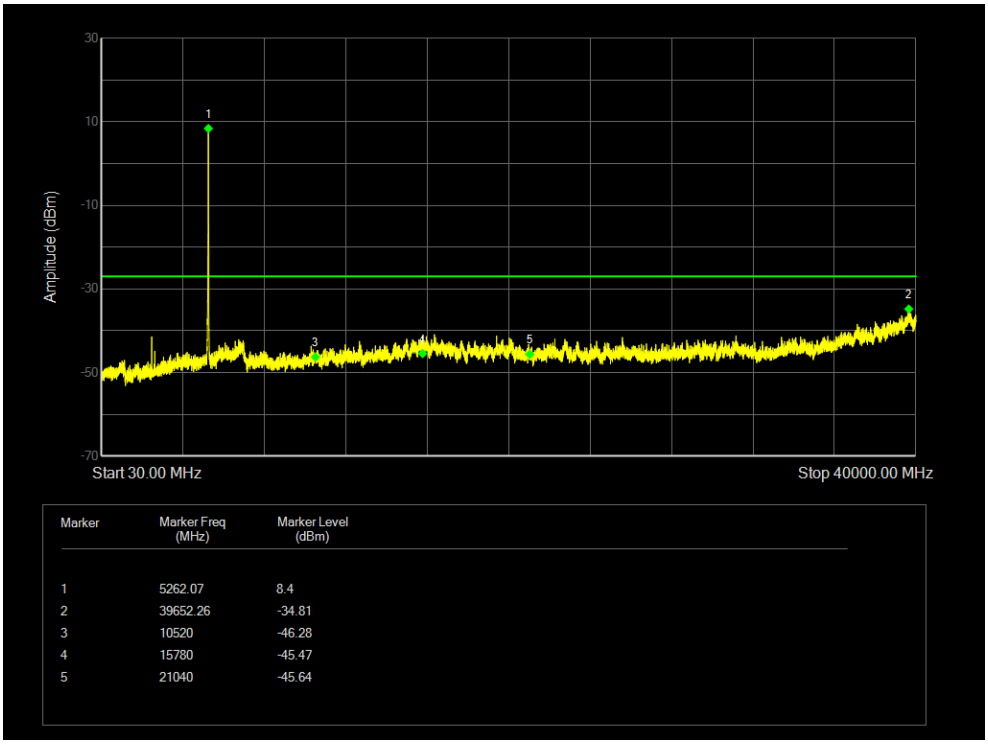
Tx. Spurious NVNT 802.11a 5280MHz Ant1 Emission



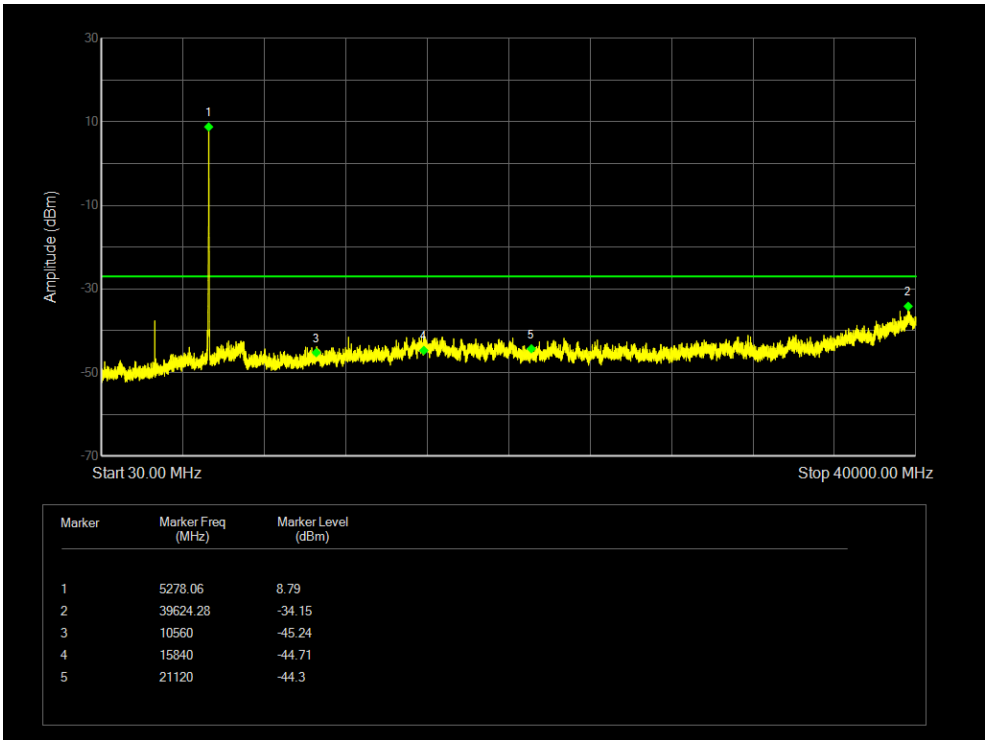
Tx. Spurious NVNT 802.11a 5320MHz Ant1 Emission



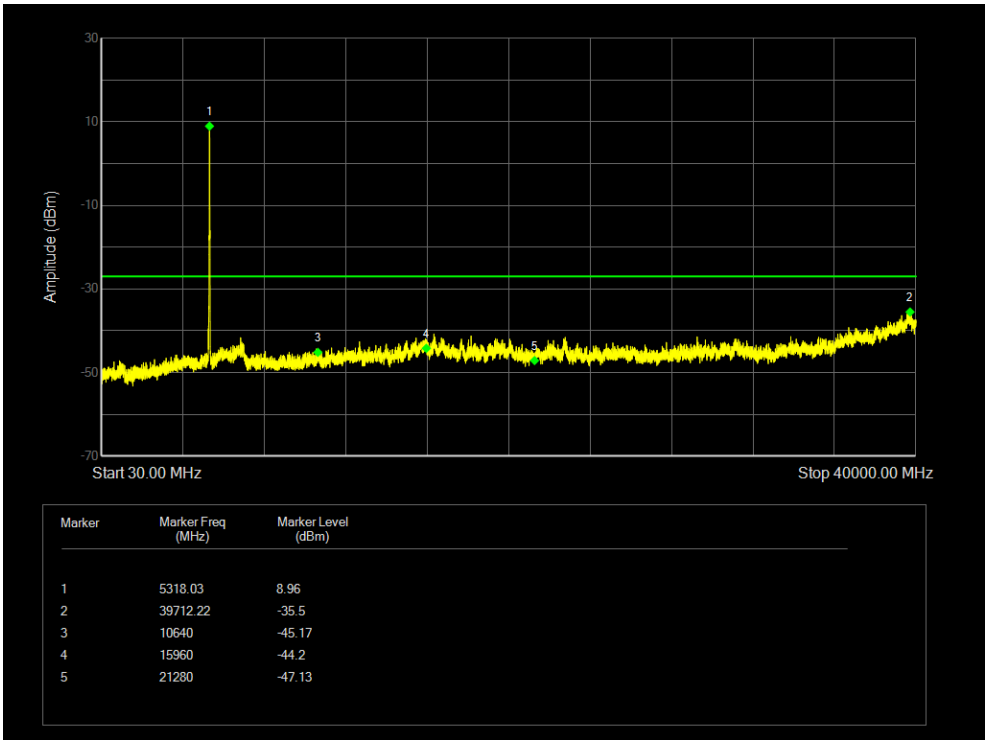
Tx. Spurious NVNT 802.11ac20 5260MHz Ant1 Emission



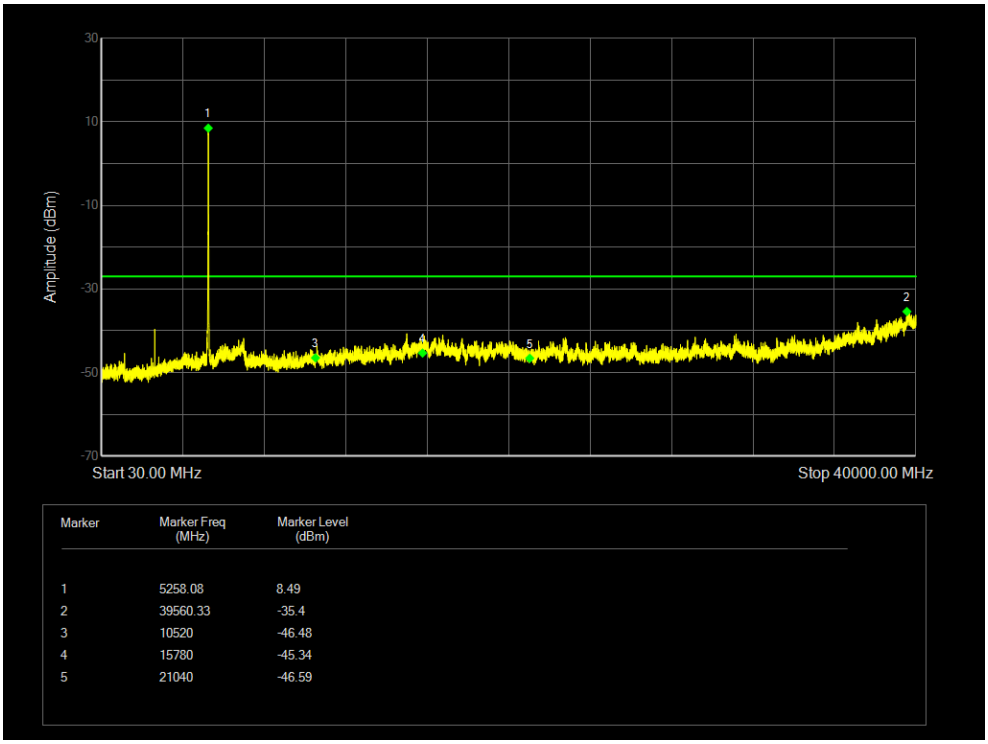
Tx. Spurious NVNT 802.11ac20 5280MHz Ant1 Emission



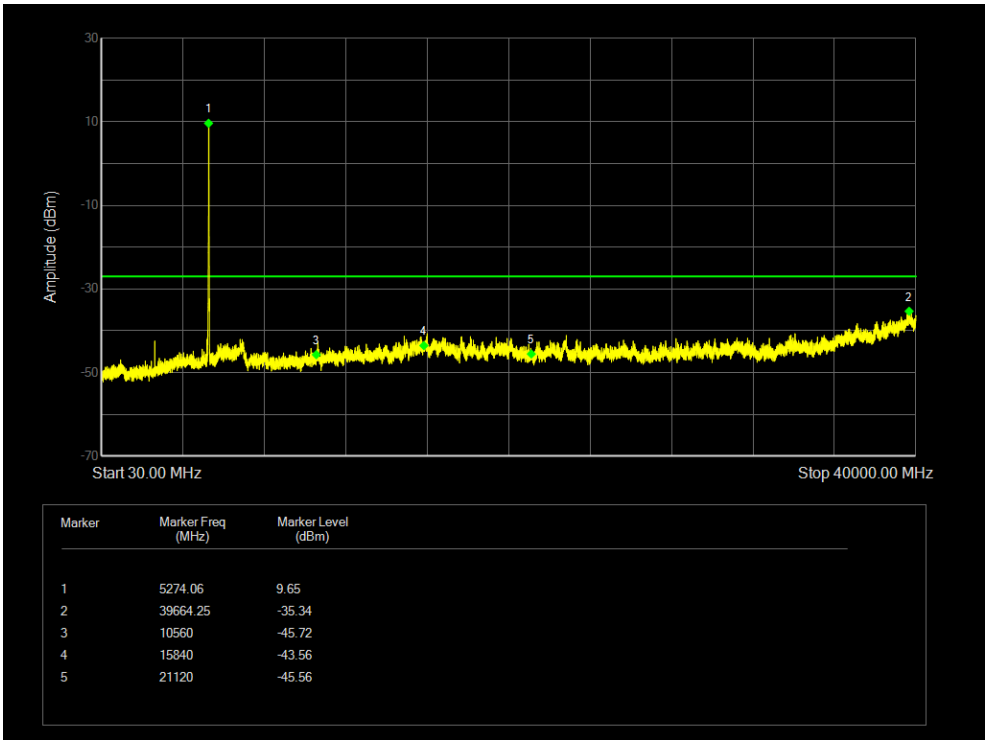
Tx. Spurious NVNT 802.11ac20 5320MHz Ant1 Emission



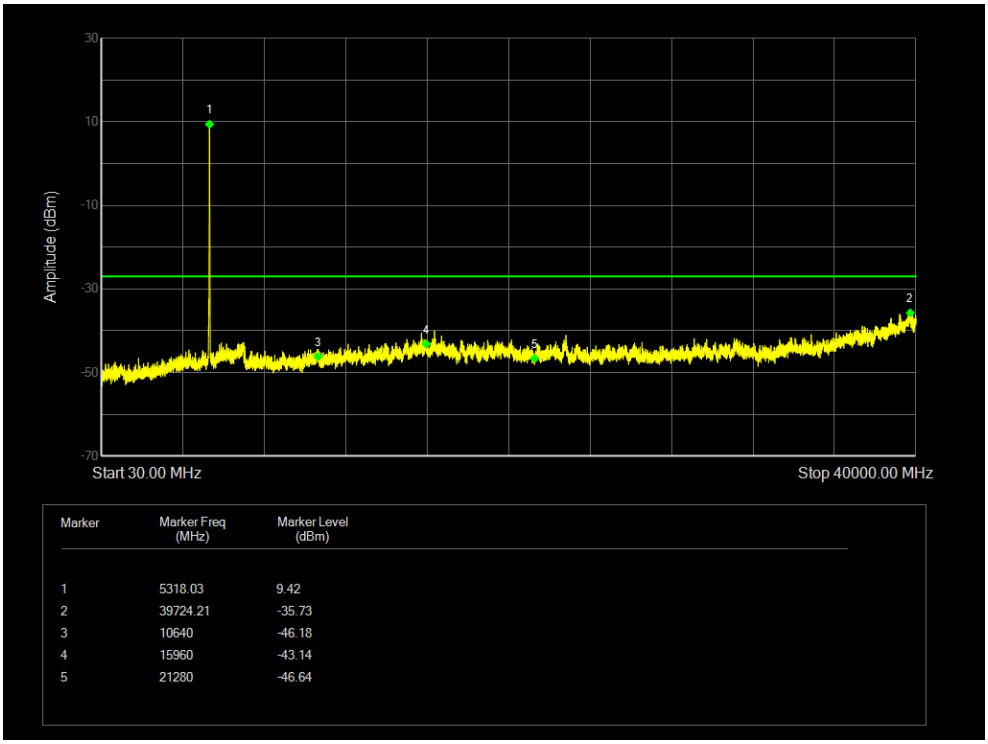
Tx. Spurious NVNT 802.11n(HT20) 5260MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5280MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5320MHz Ant1 Emission



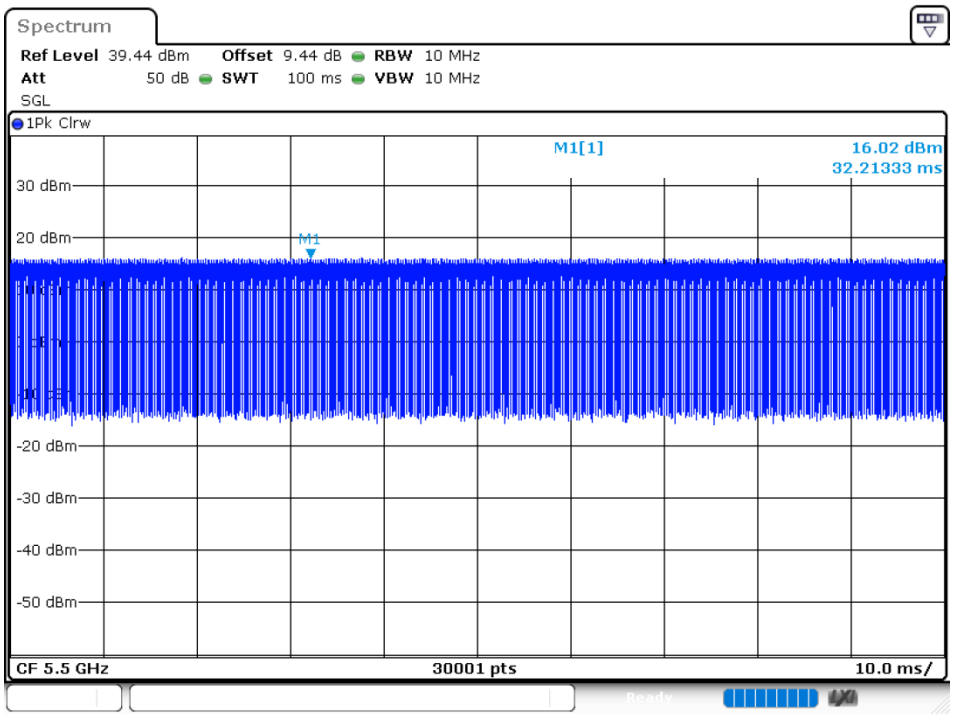
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5318.03	9.42
2	39724.21	-35.73
3	10640	-46.18
4	15960	-43.14
5	21280	-46.64

5.6G

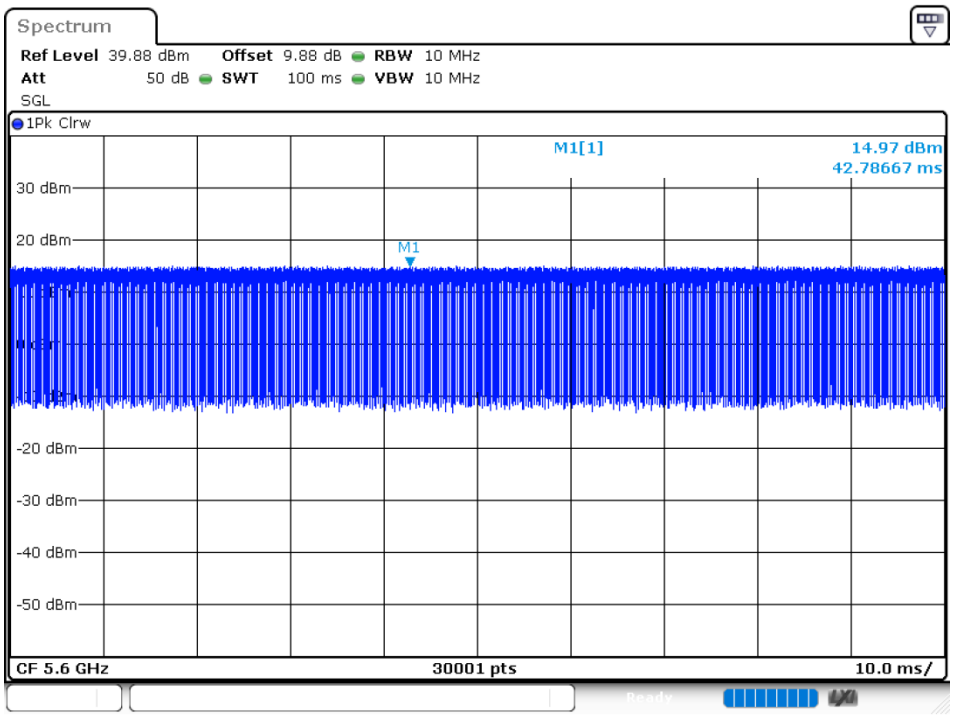
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5500	80.45	0.94
NVNT	802.11a	5600	80.44	0.95
NVNT	802.11a	5700	80.47	0.94
NVNT	802.11ac20	5500	79.41	1
NVNT	802.11ac20	5600	79.46	1
NVNT	802.11ac20	5700	79.46	1
NVNT	802.11n(HT20)	5500	79.05	1.02
NVNT	802.11n(HT20)	5600	79.05	1.02
NVNT	802.11n(HT20)	5700	79.05	1.02

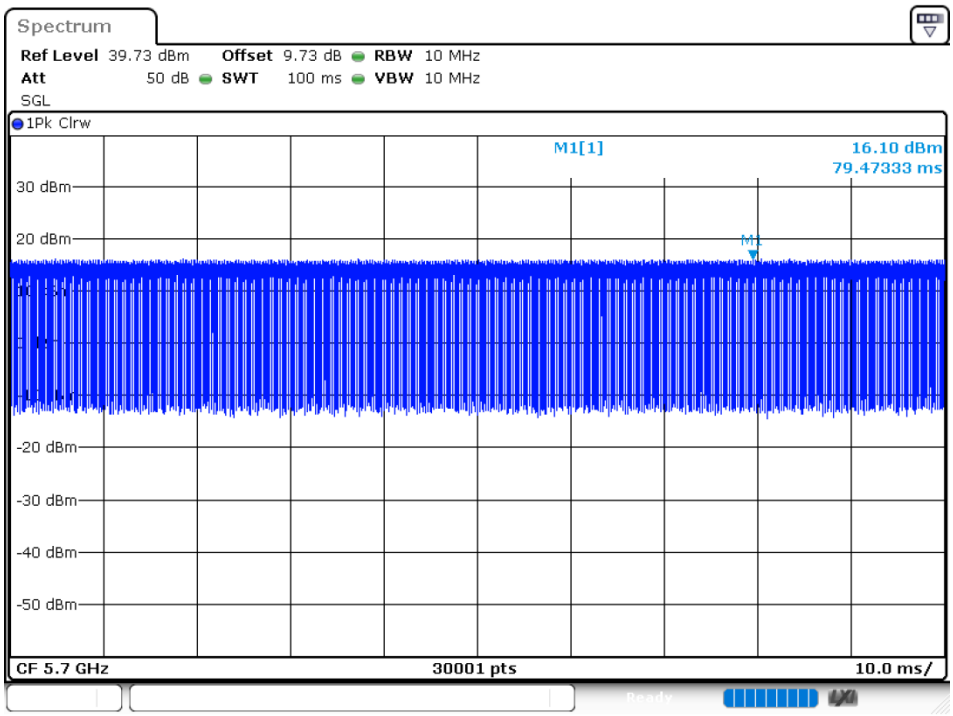
Duty Cycle NVNT 802.11a 5500MHz



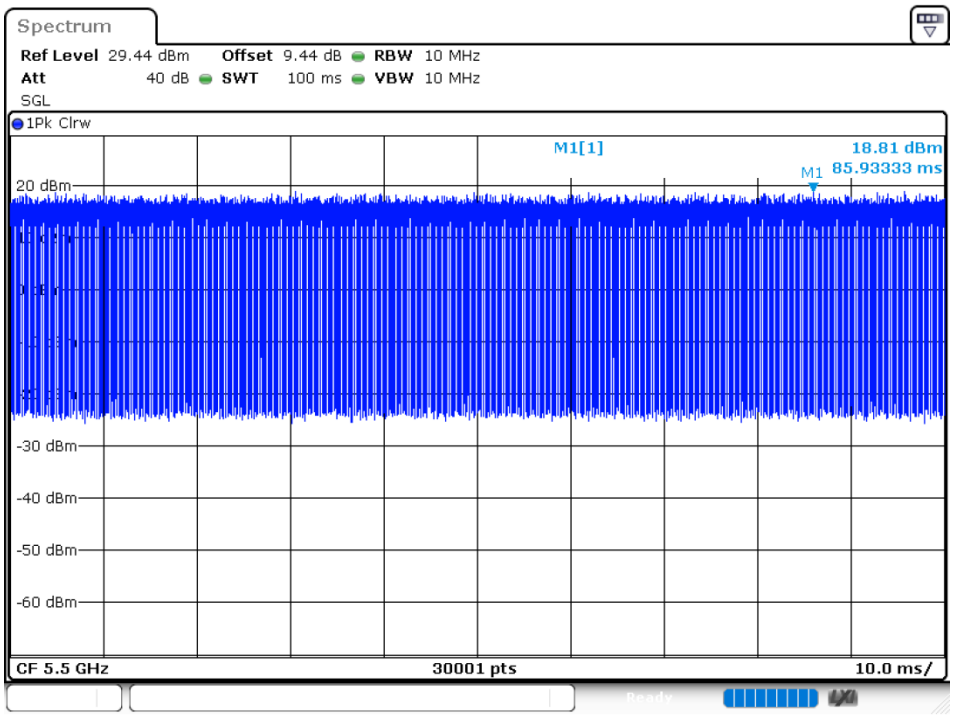
Duty Cycle NVNT 802.11a 5600MHz



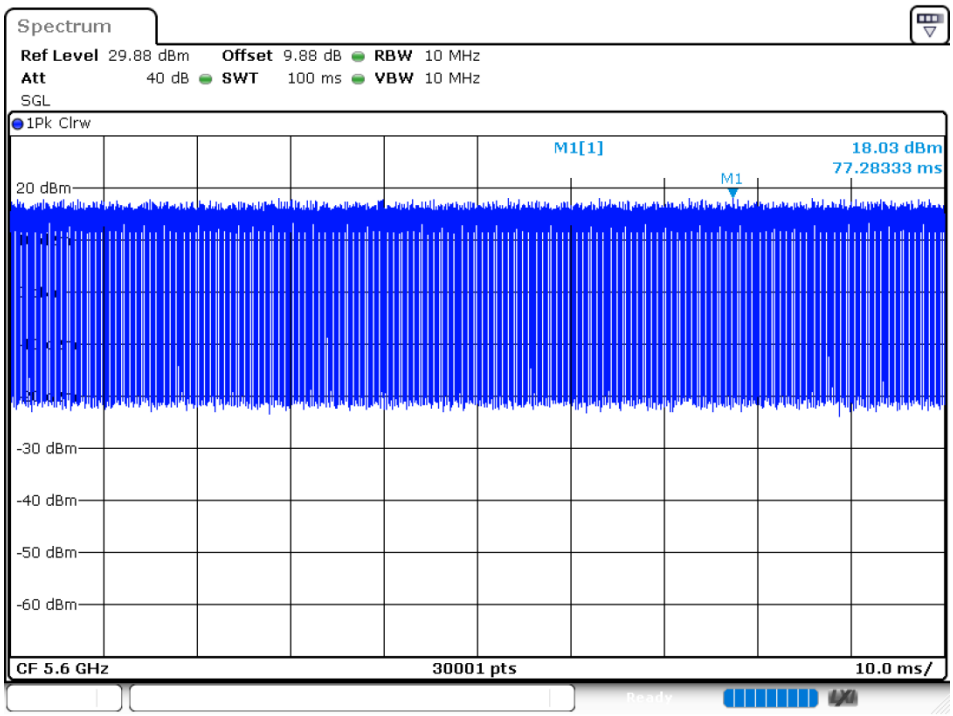
Duty Cycle NVNT 802.11a 5700MHz



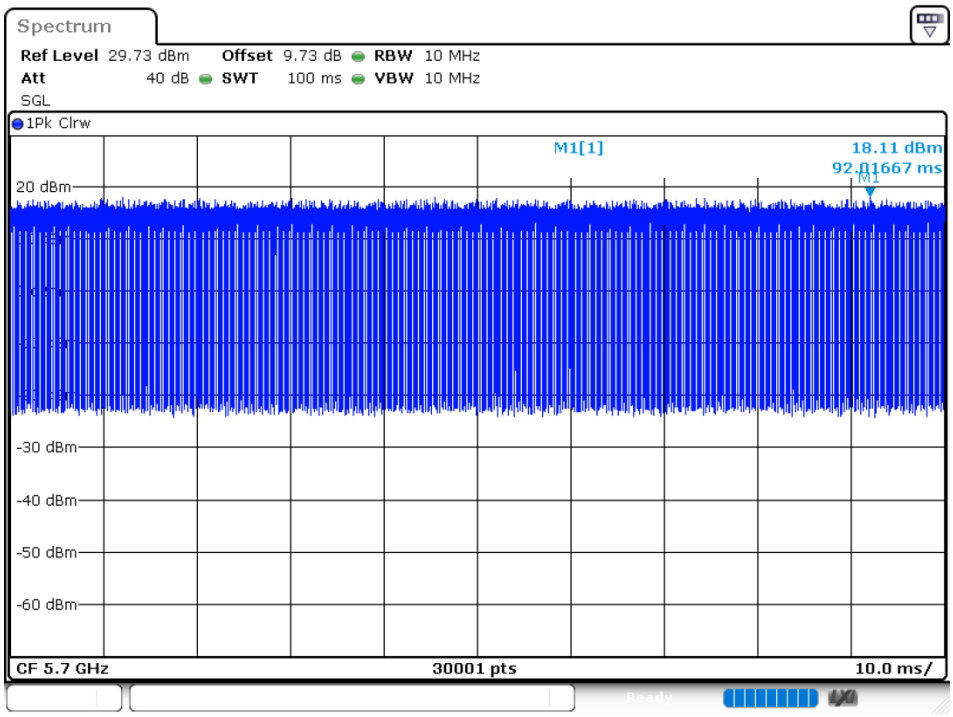
Duty Cycle NVNT 802.11ac20 5500MHz



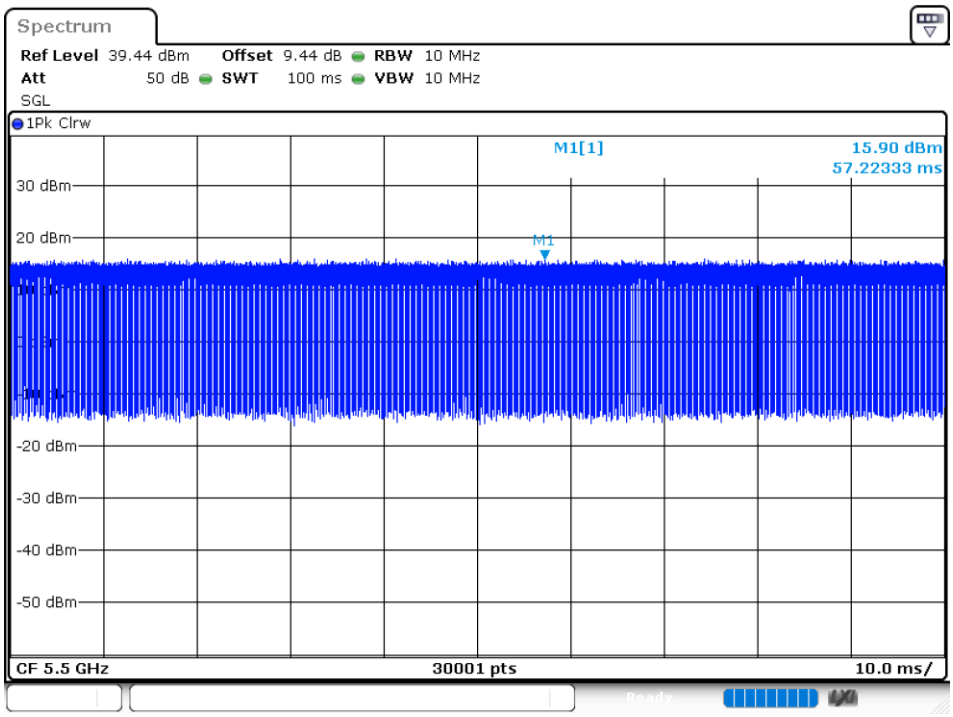
Duty Cycle NVNT 802.11ac20 5600MHz



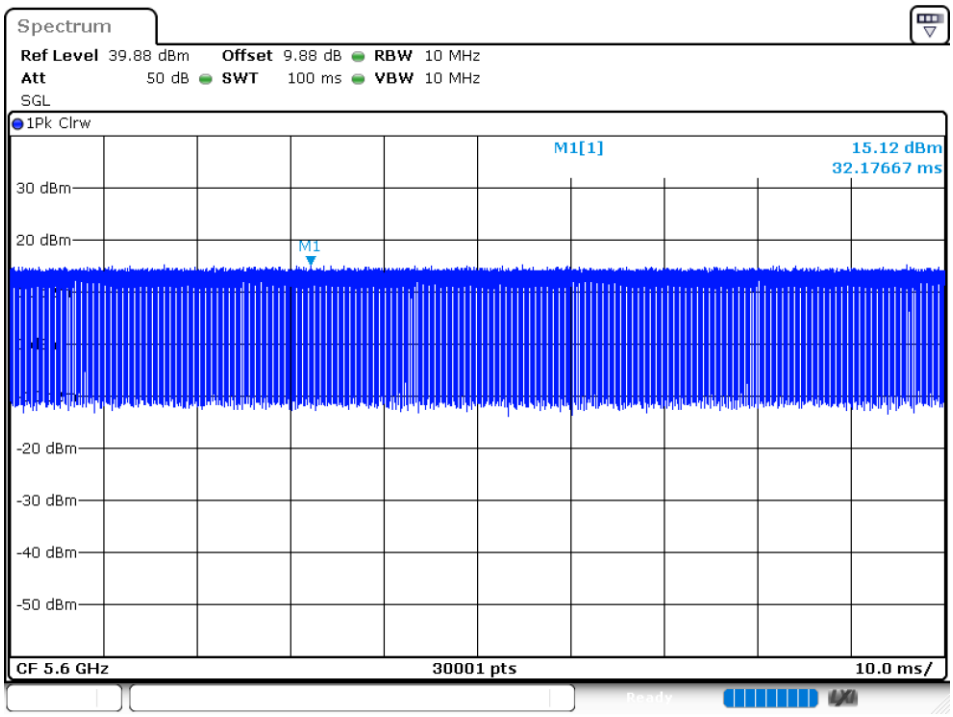
Duty Cycle NVNT 802.11ac20 5700MHz



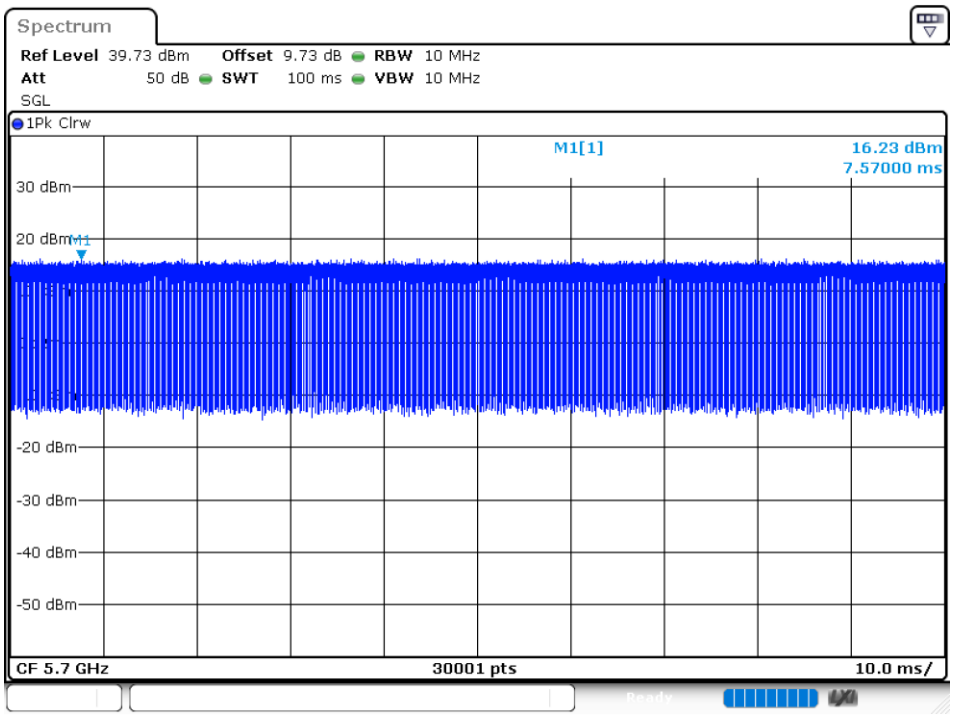
Duty Cycle NVNT 802.11n(HT20) 5500MHz



Duty Cycle NVNT 802.11n(HT20) 5600MHz



Duty Cycle NVNT 802.11n(HT20) 5700MHz



Maximum Conducted Output Power

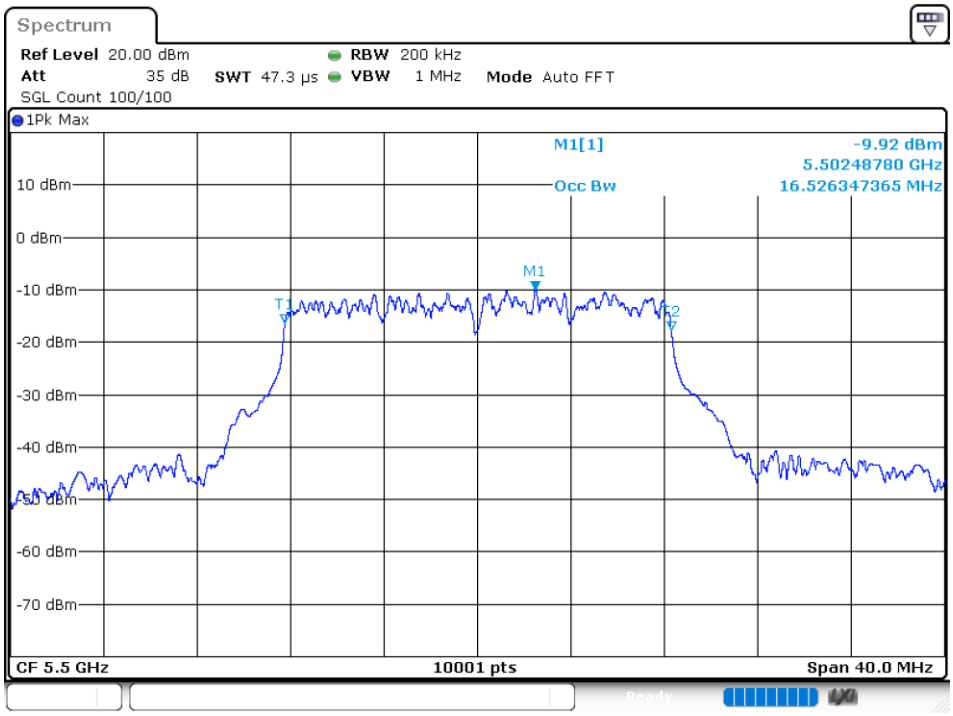
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	8.15	0.94	9.09	24	Pass
NVNT	802.11a	5600	Ant 1	8.6	0.95	9.55	24	Pass
NVNT	802.11a	5700	Ant 1	8.94	0.94	9.88	24	Pass
NVNT	802.11ac20	5500	Ant 1	9.81	1	10.81	24	Pass

NVNT	802.11ac20	5600	Ant 1	9.55	1	10.55	24	Pass
NVNT	802.11ac20	5700	Ant 1	9.24	1	10.24	24	Pass
NVNT	802.11n(HT20)	5500	Ant 1	8.56	1.02	9.58	24	Pass
NVNT	802.11n(HT20)	5600	Ant 1	8.79	1.02	9.81	24	Pass
NVNT	802.11n(HT20)	5700	Ant 1	9.1	1.02	10.12	24	Pass

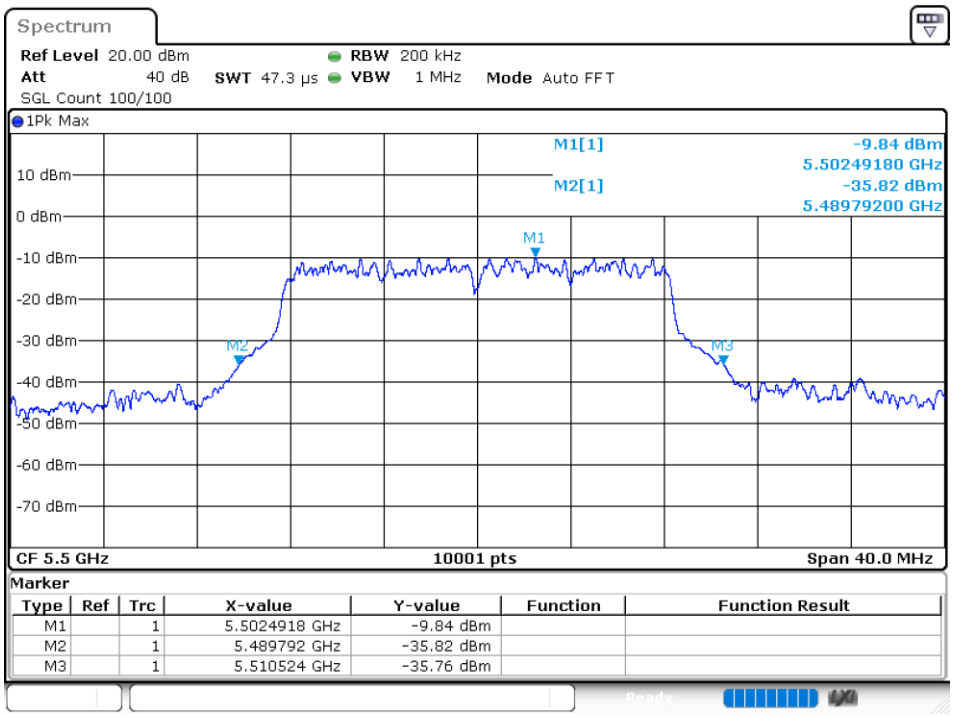
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5500	Ant 1	16.5263	20.732	Pass
NVNT	802.11a	5600	Ant 1	16.5703	27.632	Pass
NVNT	802.11a	5700	Ant 1	16.5783	21.52	Pass
NVNT	802.11ac20	5500	Ant 1	17.8342	21.172	Pass
NVNT	802.11ac20	5600	Ant 1	17.7742	21.284	Pass
NVNT	802.11ac20	5700	Ant 1	17.8262	21.084	Pass
NVNT	802.11n(HT20)	5500	Ant 1	17.7942	21.46	Pass
NVNT	802.11n(HT20)	5600	Ant 1	17.9142	26.012	Pass
NVNT	802.11n(HT20)	5700	Ant 1	17.8302	21.768	Pass

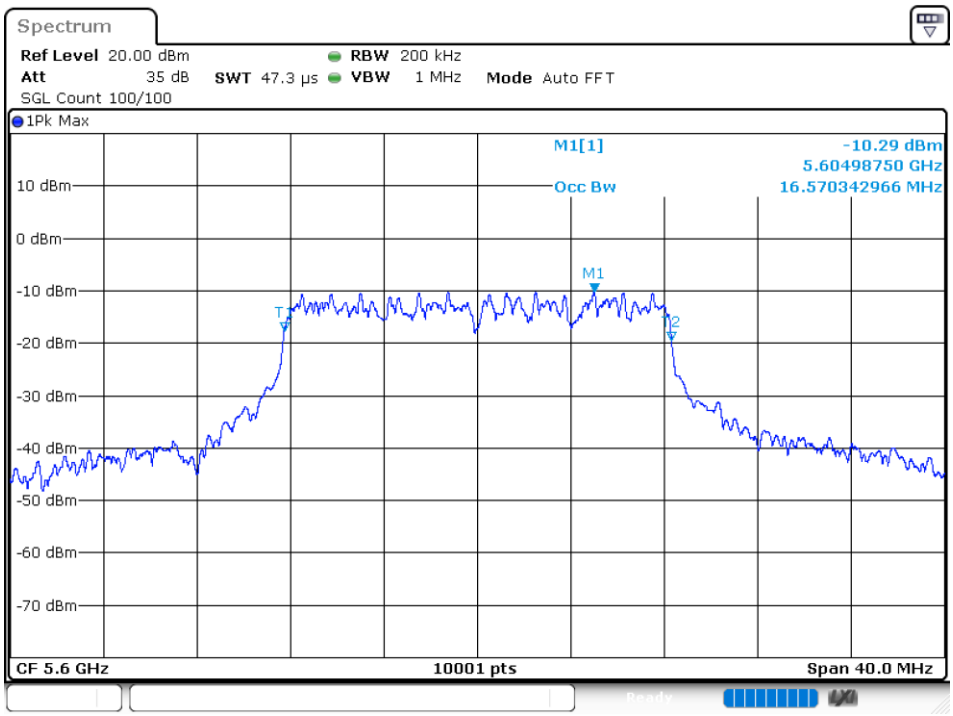
OBW NVNT 802.11a 5500MHz Ant1



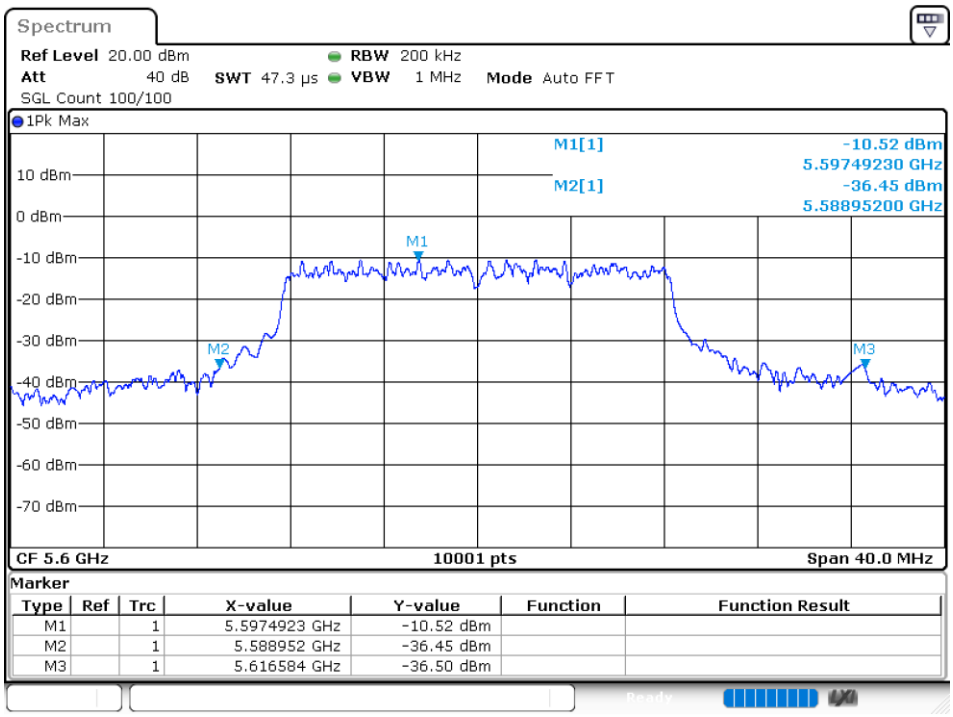
-26 dB BW NVNT 802.11a 5500MHz Ant1



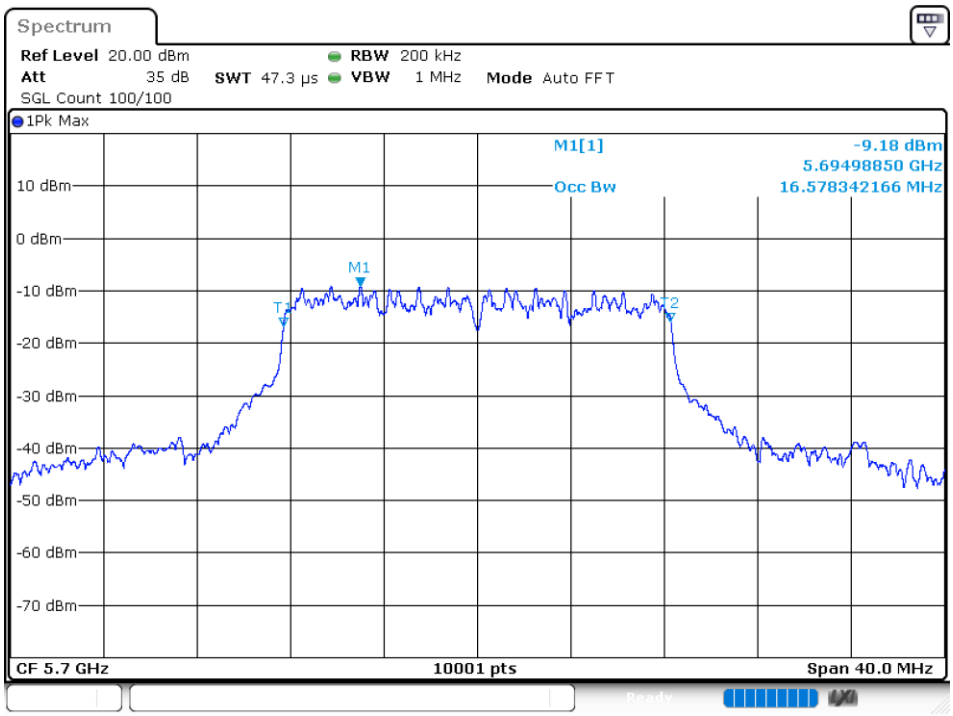
OBW NVNT 802.11a 5600MHz Ant1



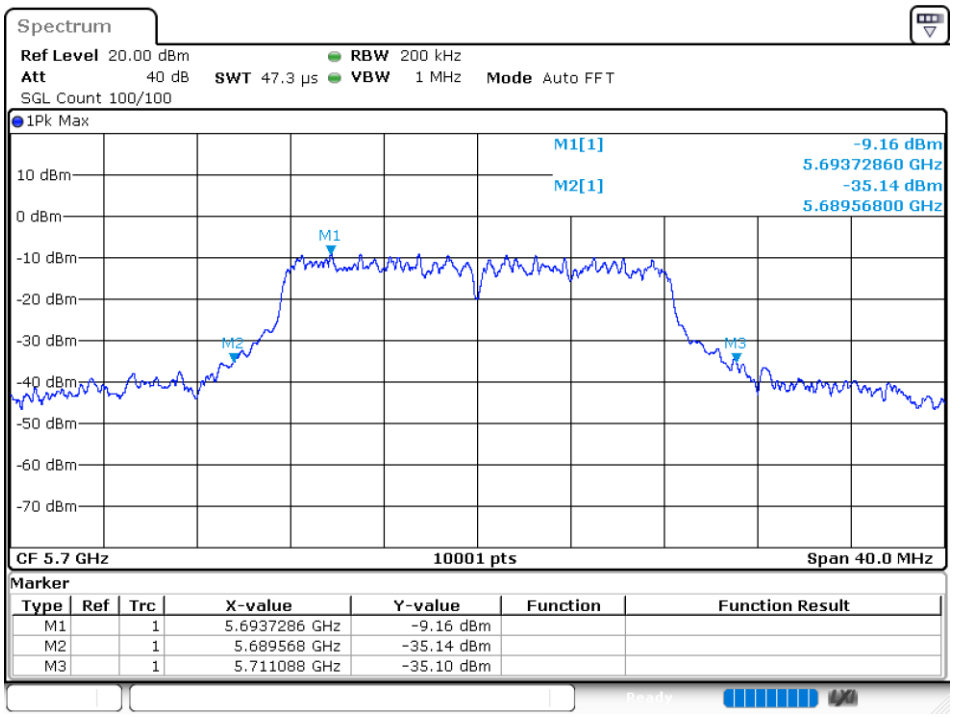
-26 dB BW NVNT 802.11a 5600MHz Ant1



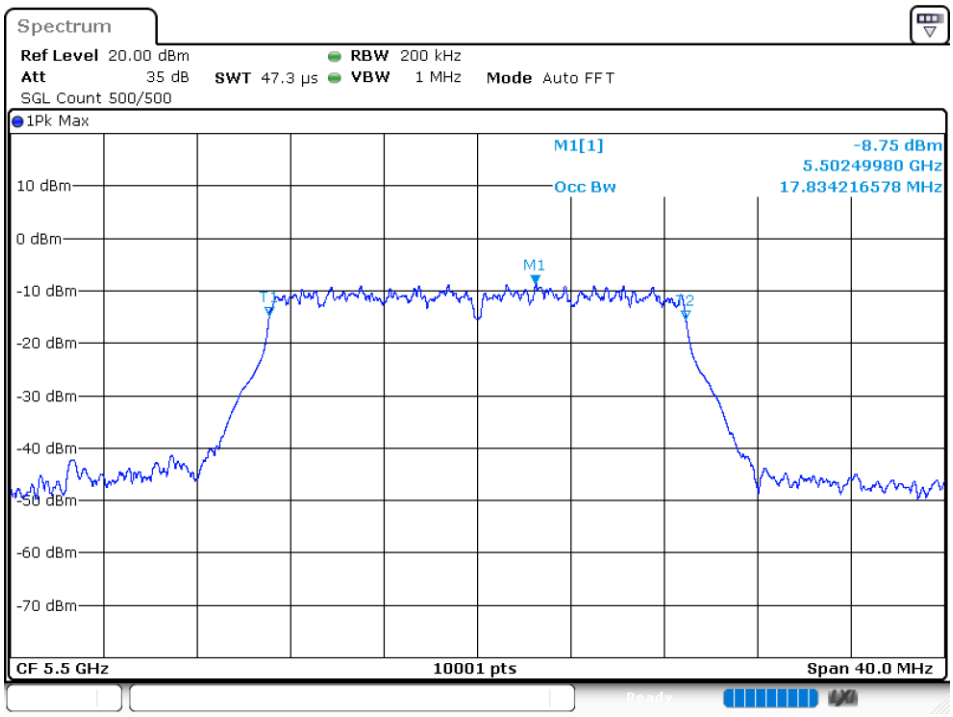
OBW NVNT 802.11a 5700MHz Ant1



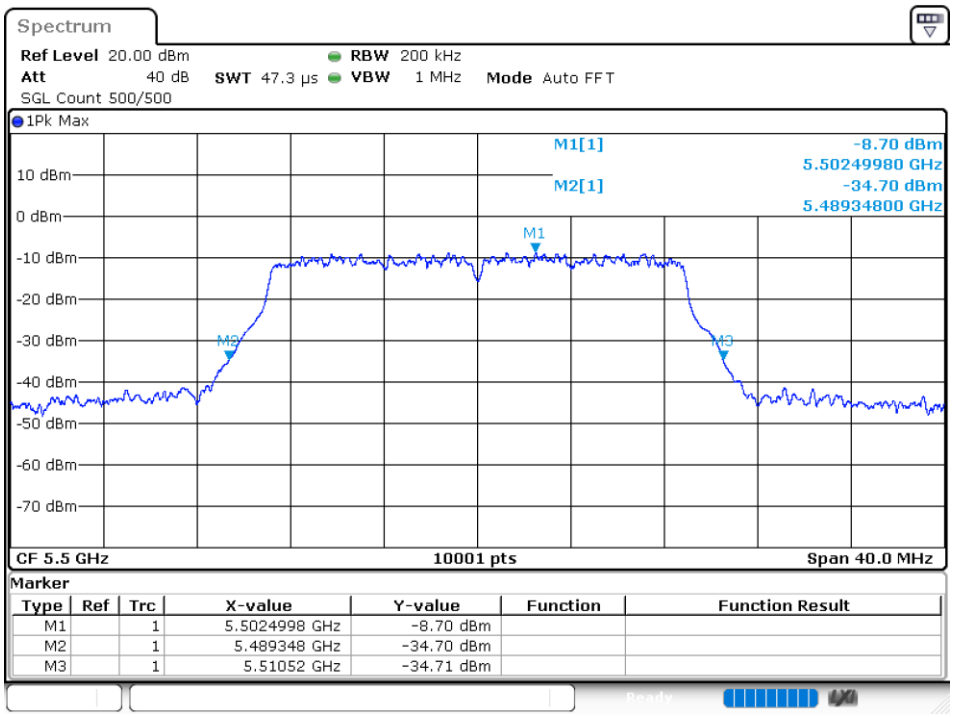
-26 dB BW NVNT 802.11a 5700MHz Ant1



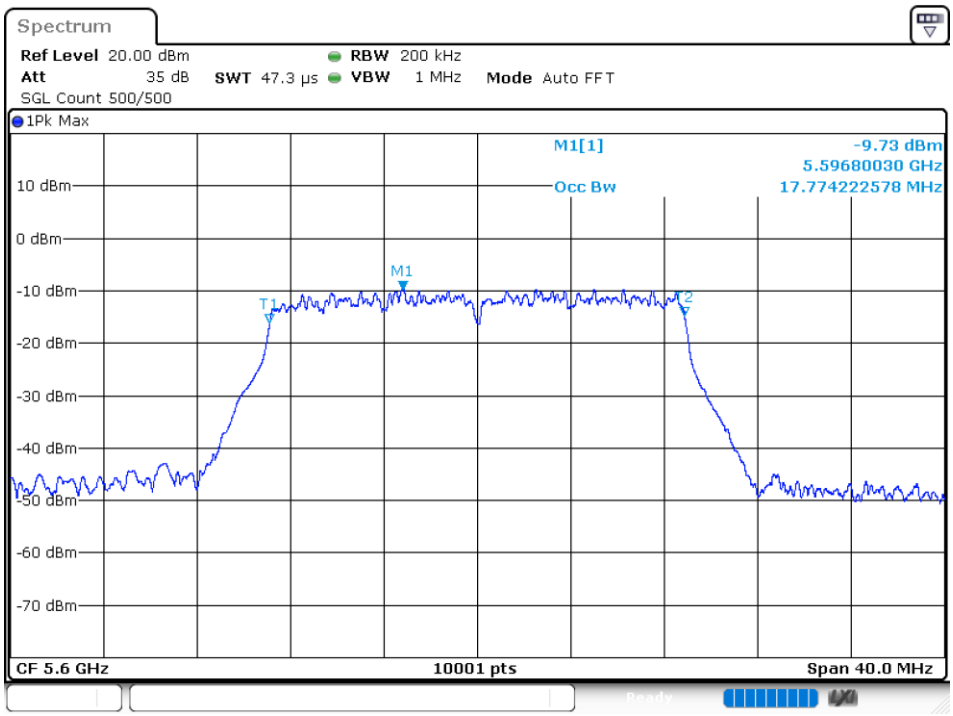
OBW NVNT 802.11ac20 5500MHz Ant1



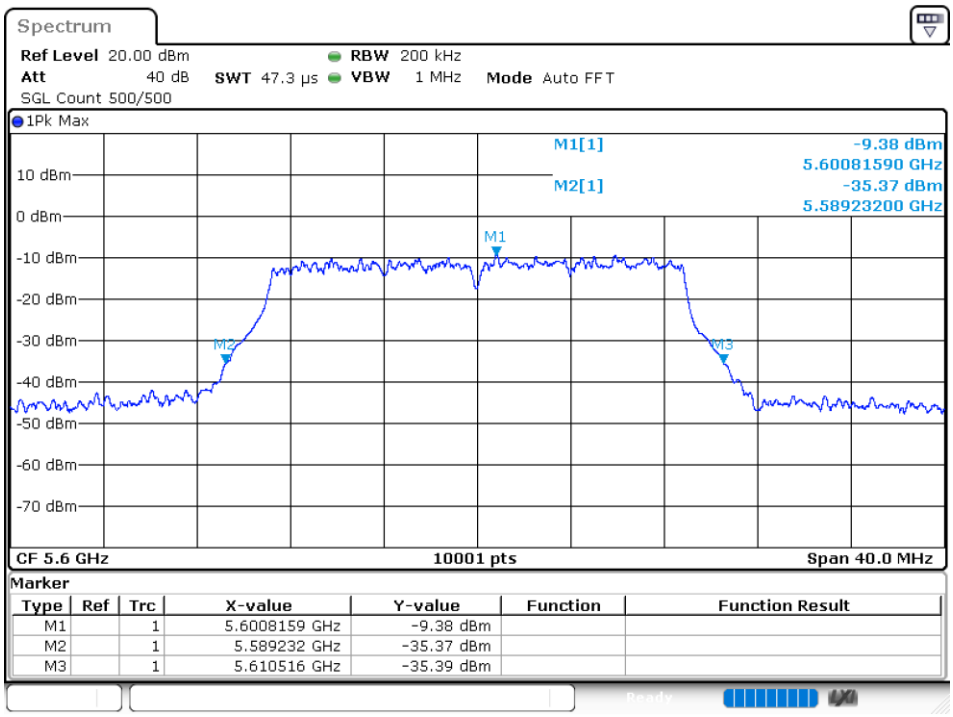
-26 dB BW NVNT 802.11ac20 5500MHz Ant1



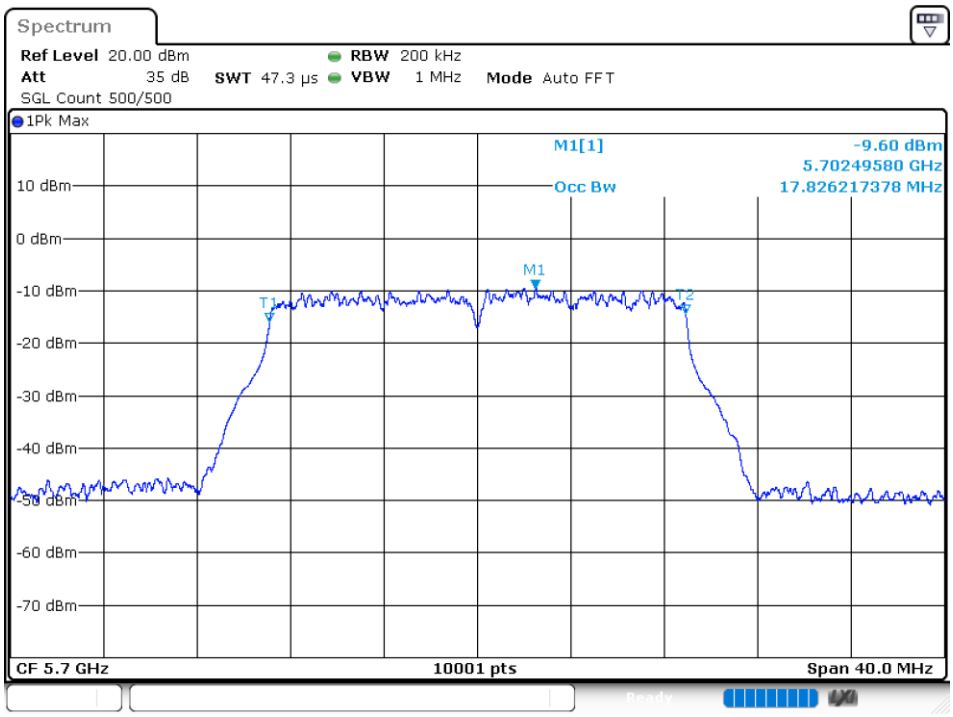
OBW NVNT 802.11ac20 5600MHz Ant1



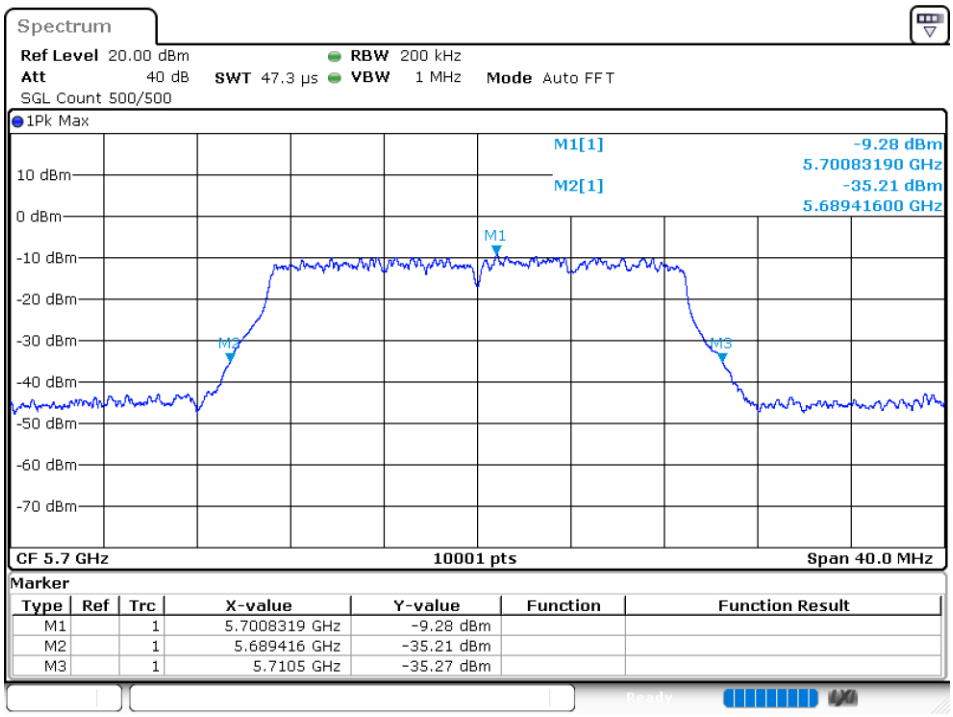
-26 dB BW NVNT 802.11ac20 5600MHz Ant1



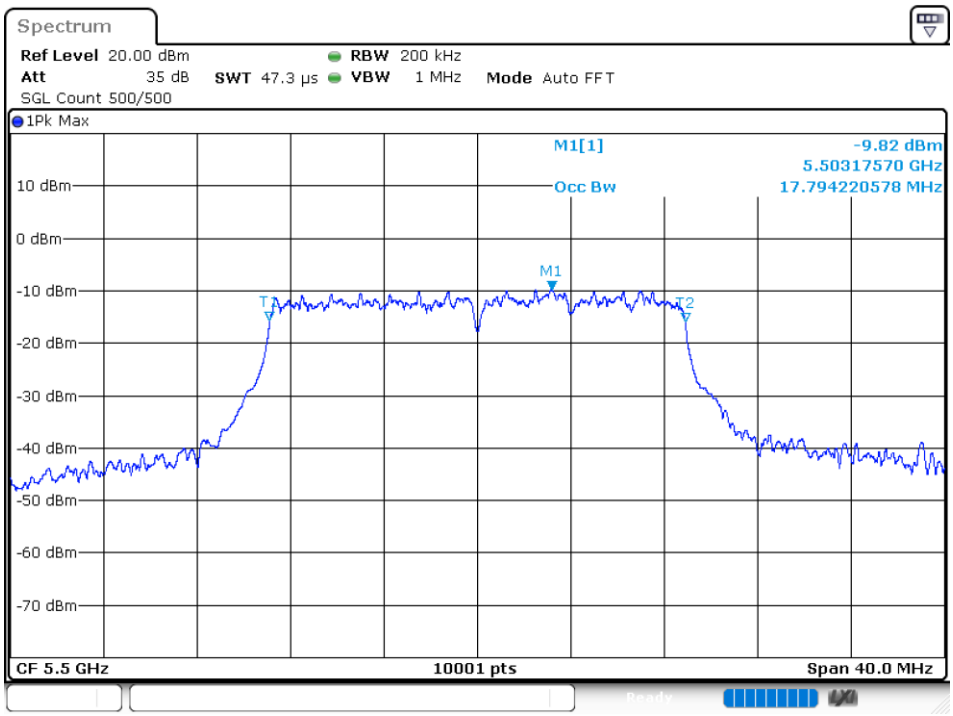
OBW NVNT 802.11ac20 5700MHz Ant1



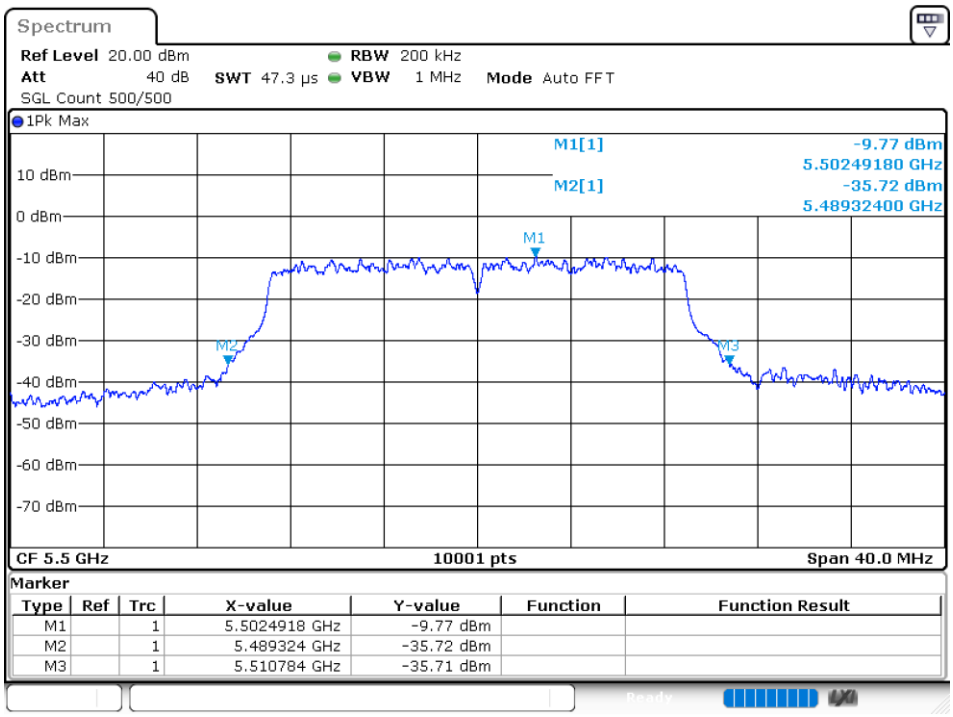
-26 dB BW NVNT 802.11ac20 5700MHz Ant1



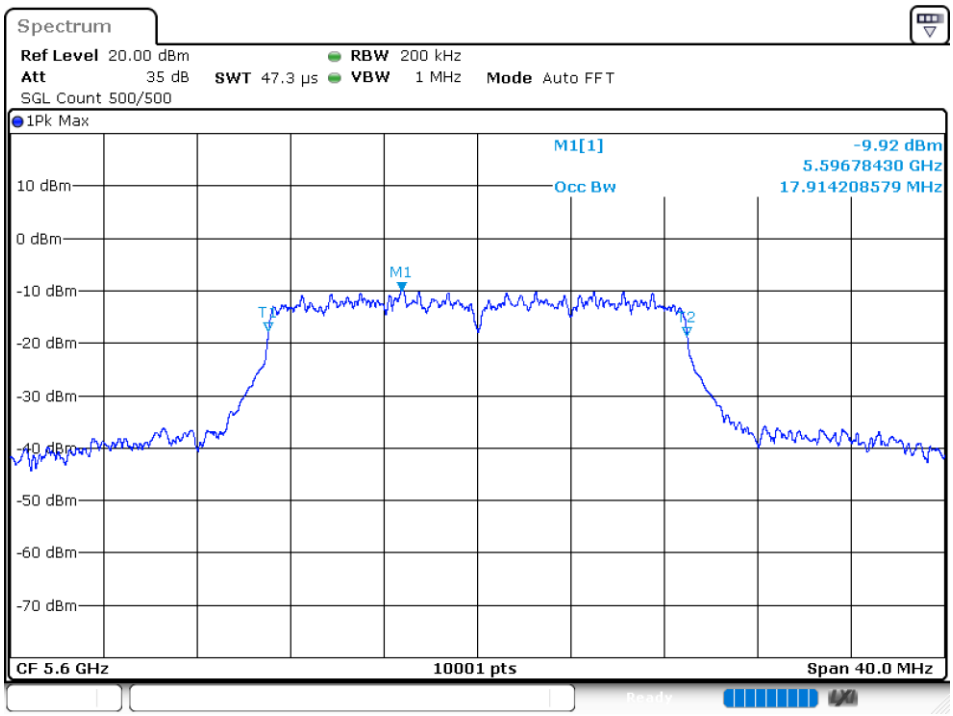
OBW NVNT 802.11n(HT20) 5500MHz Ant1



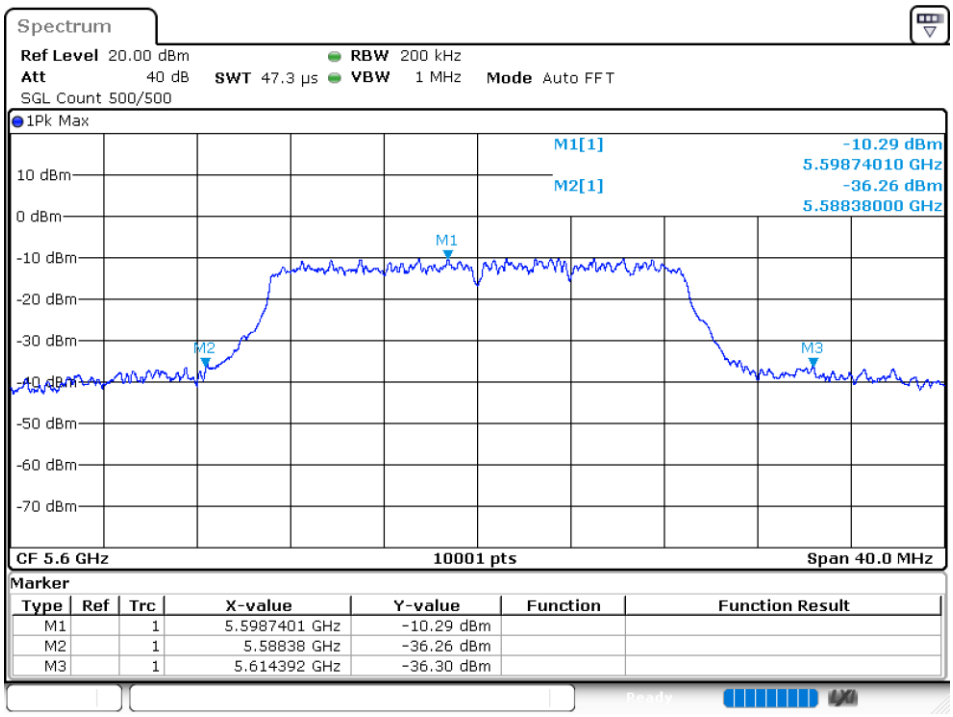
-26 dB BW NVNT 802.11n(HT20) 5500MHz Ant1



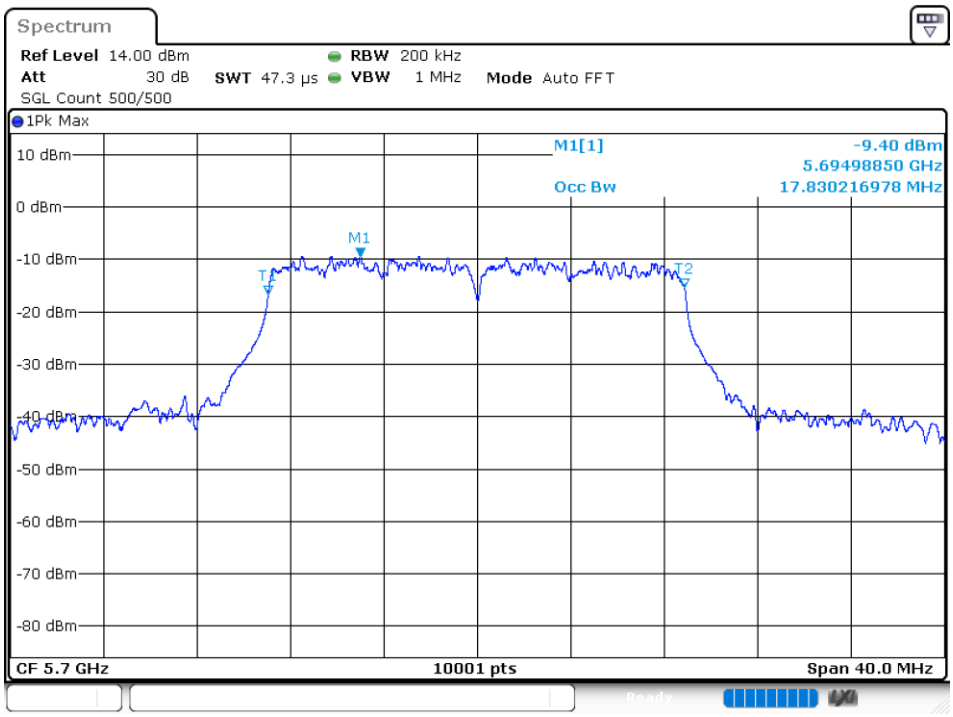
OBW NVNT 802.11n(HT20) 5600MHz Ant1



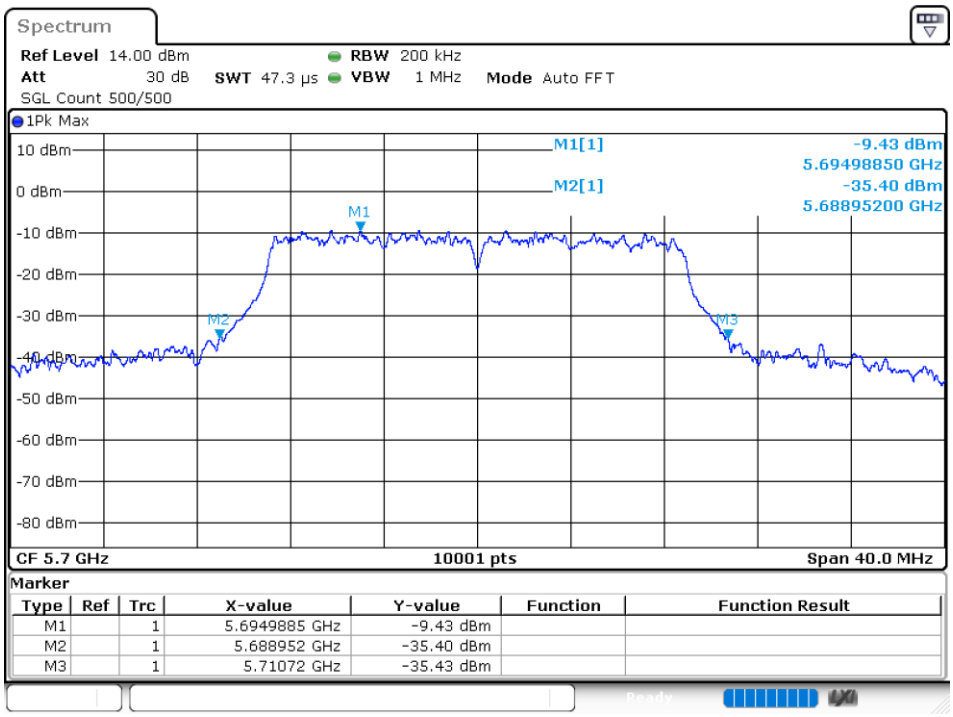
-26 dB BW NVNT 802.11n(HT20) 5600MHz Ant1



OBW NVNT 802.11n(HT20) 5700MHz Ant1



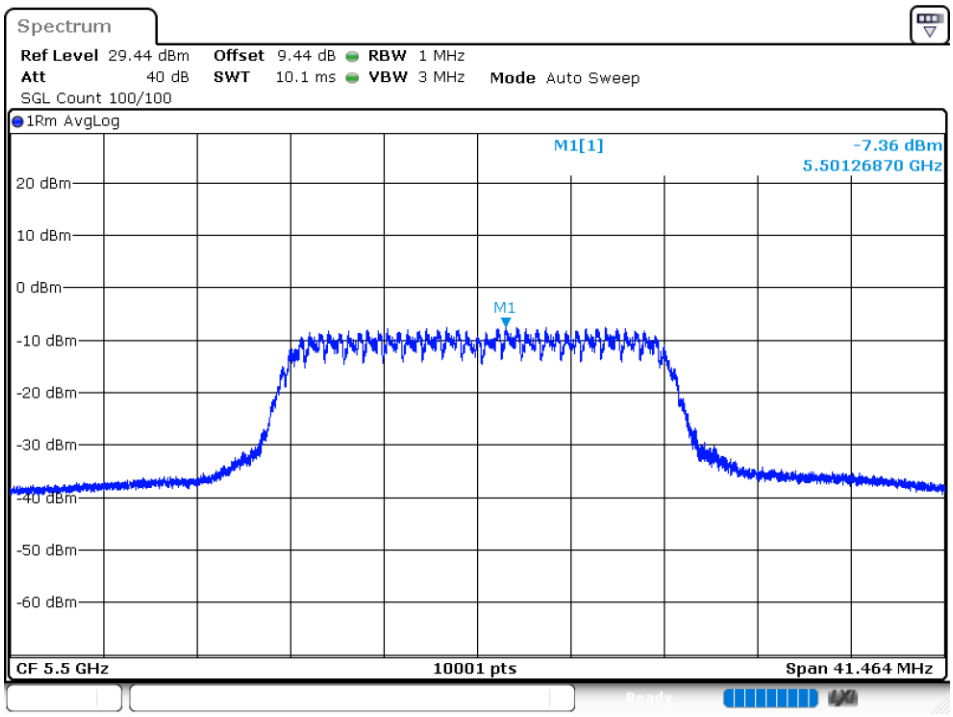
-26 dB BW NVNT 802.11n(HT20) 5700MHz Ant1



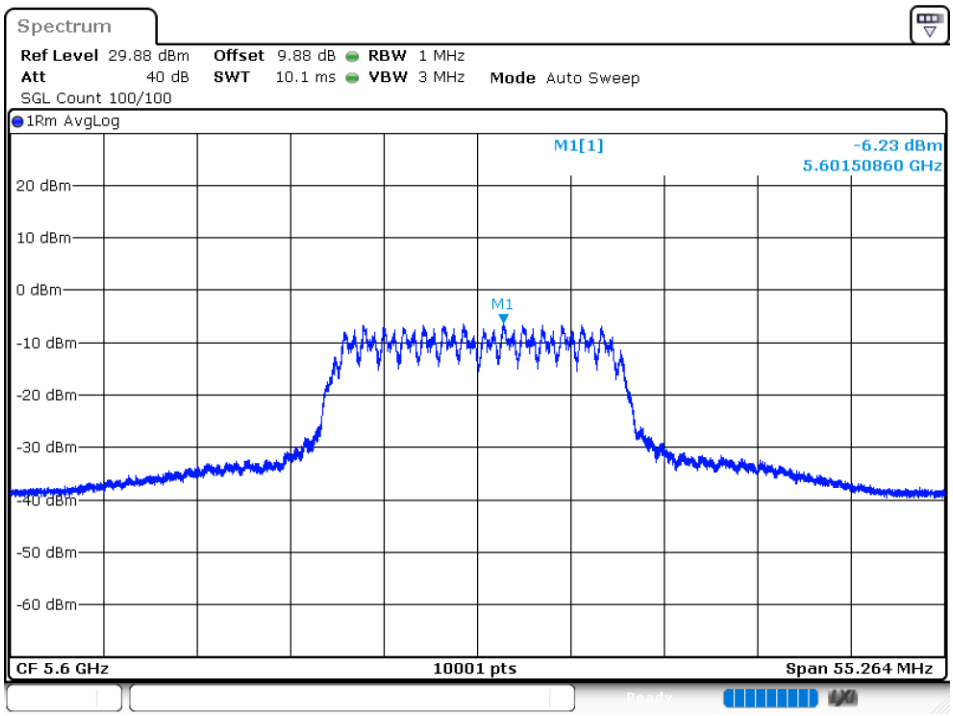
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	-7.363	11	Pass
NVNT	802.11a	5600	Ant 1	-6.235	11	Pass
NVNT	802.11a	5700	Ant 1	-4.532	11	Pass
NVNT	802.11ac20	5500	Ant 1	-8.56	11	Pass
NVNT	802.11ac20	5600	Ant 1	-8.866	11	Pass
NVNT	802.11ac20	5700	Ant 1	-8.523	11	Pass
NVNT	802.11n(HT20)	5500	Ant 1	-8.282	11	Pass
NVNT	802.11n(HT20)	5600	Ant 1	-9.33	11	Pass
NVNT	802.11n(HT20)	5700	Ant 1	-7.769	11	Pass

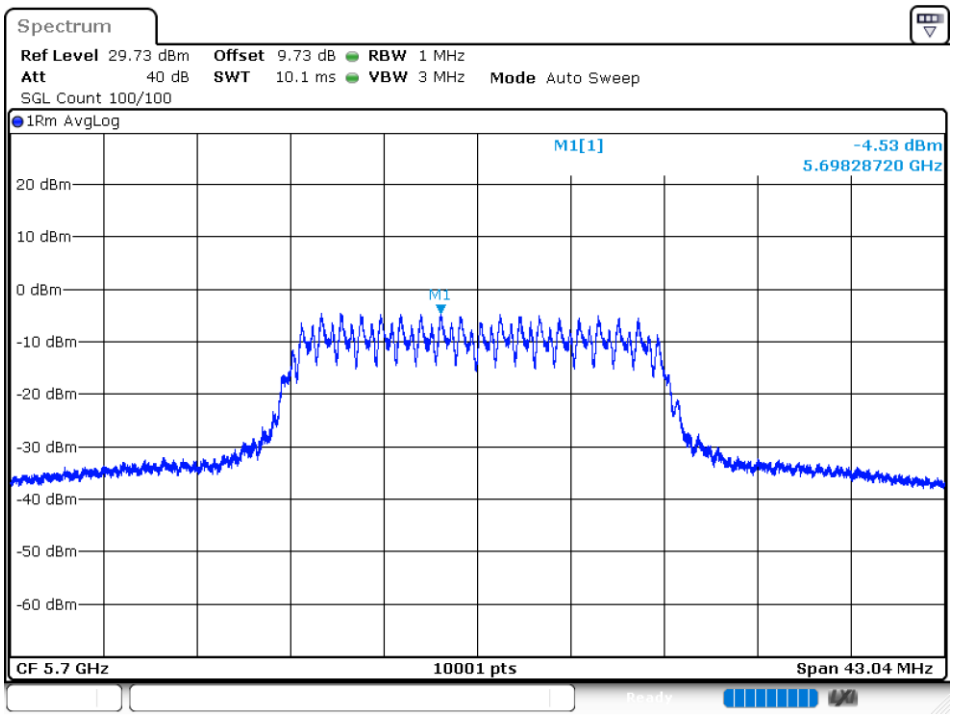
PSD NVNT 802.11a 5500MHz Ant1



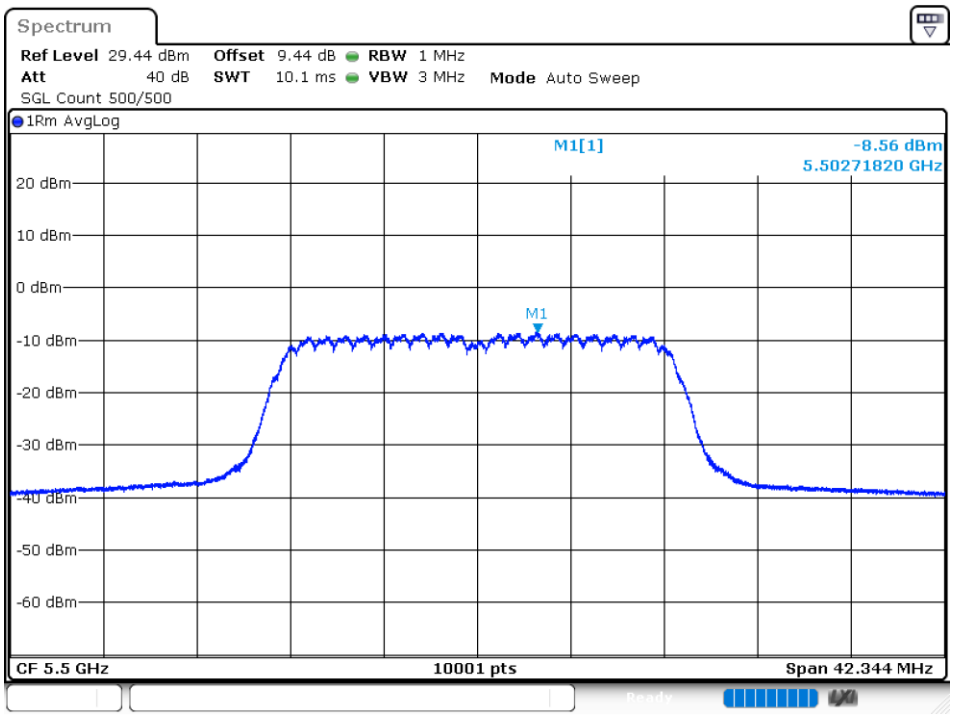
PSD NVNT 802.11a 5600MHz Ant1



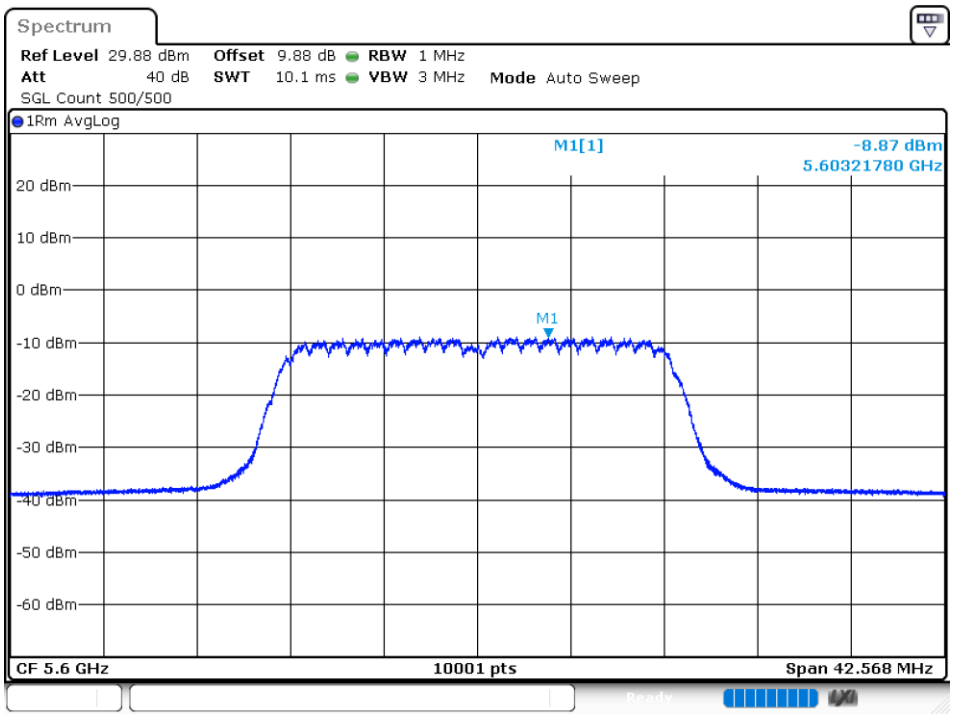
PSD NVNT 802.11a 5700MHz Ant1



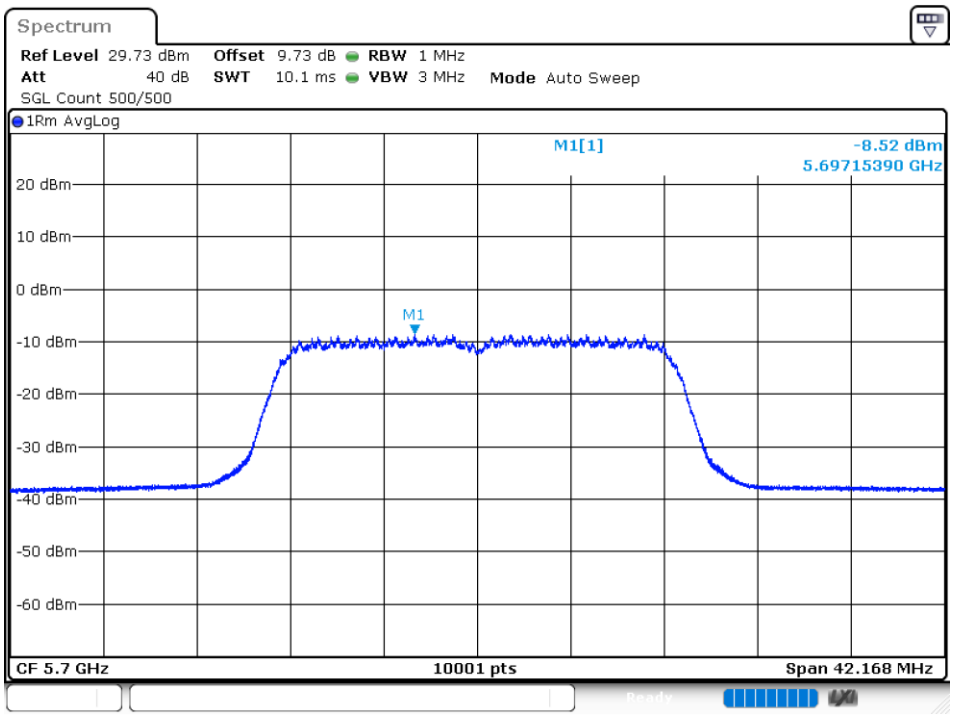
PSD NVNT 802.11ac20 5500MHz Ant1



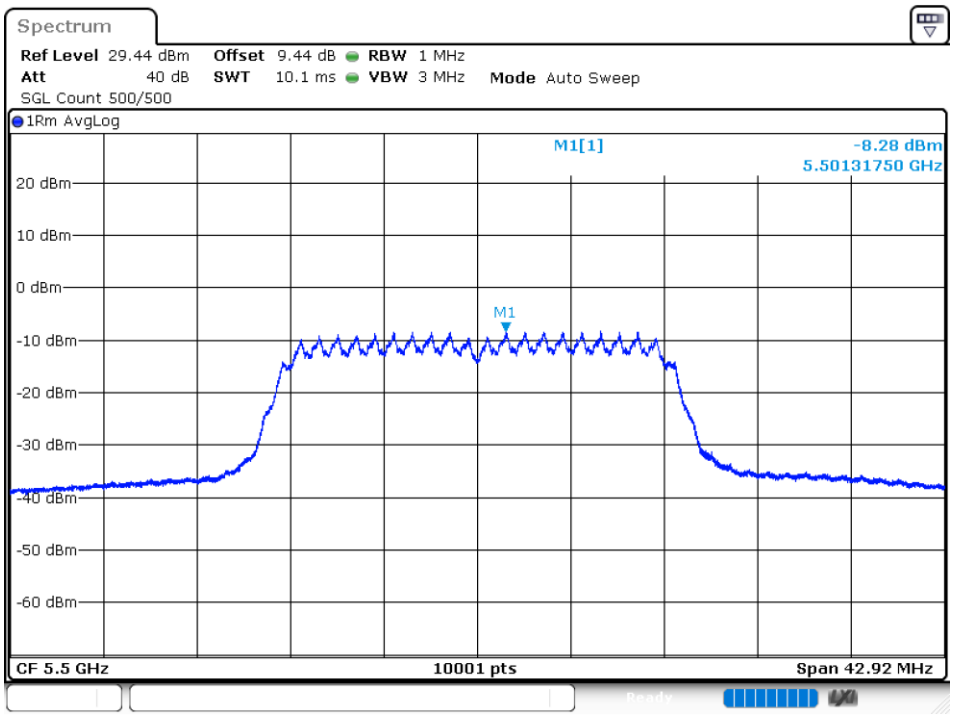
PSD NVNT 802.11ac20 5600MHz Ant1



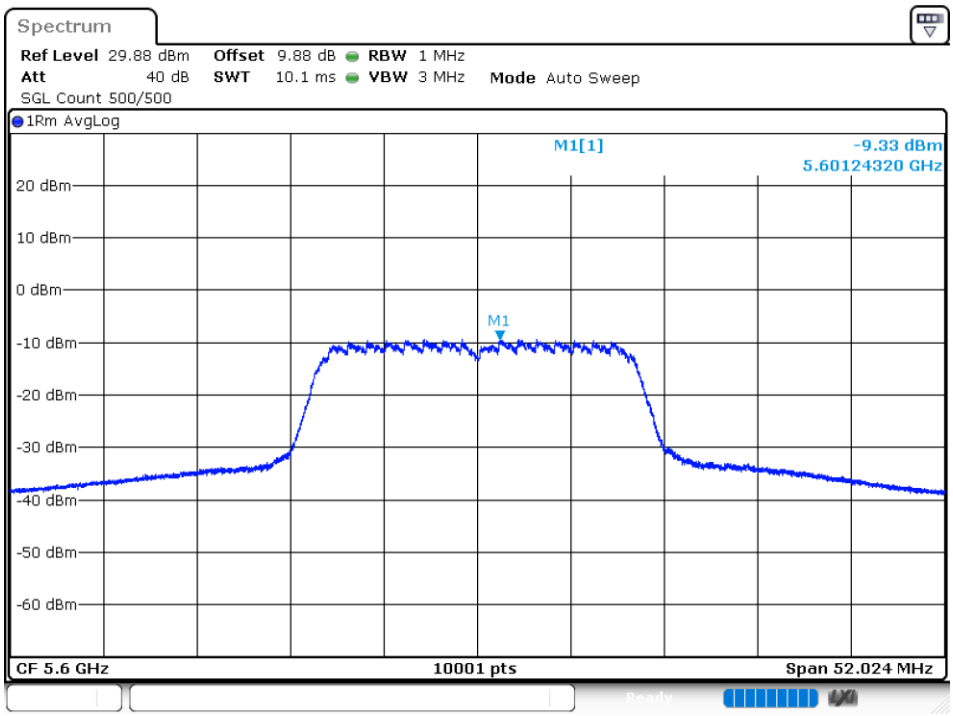
PSD NVNT 802.11ac20 5700MHz Ant1



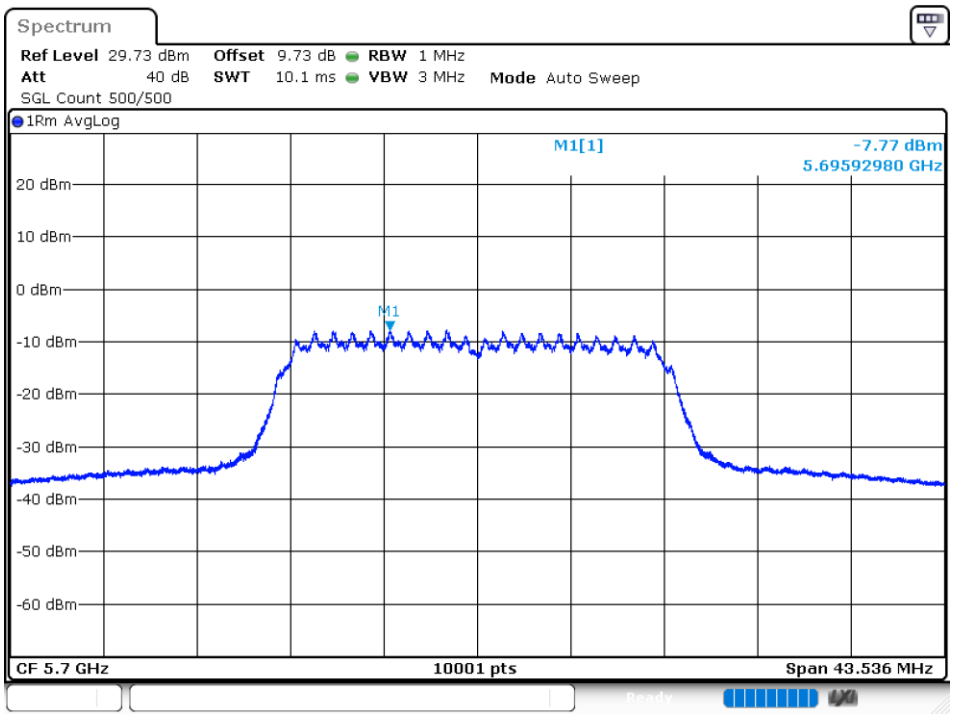
PSD NVNT 802.11n(HT20) 5500MHz Ant1



PSD NVNT 802.11n(HT20) 5600MHz Ant1



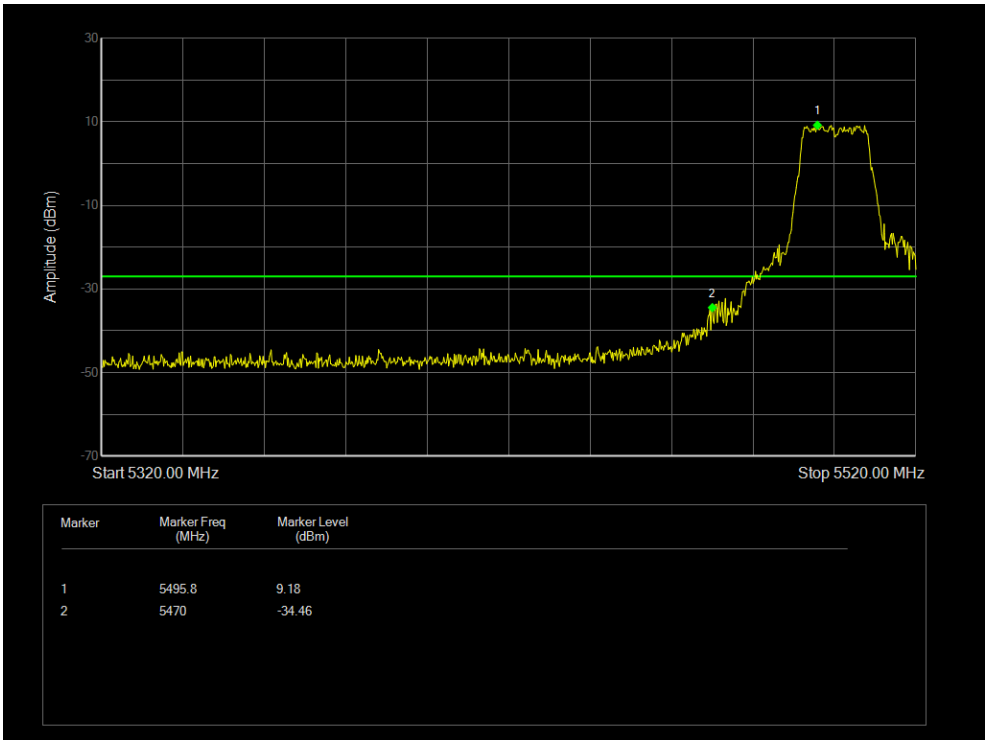
PSD NVNT 802.11n(HT20) 5700MHz Ant1



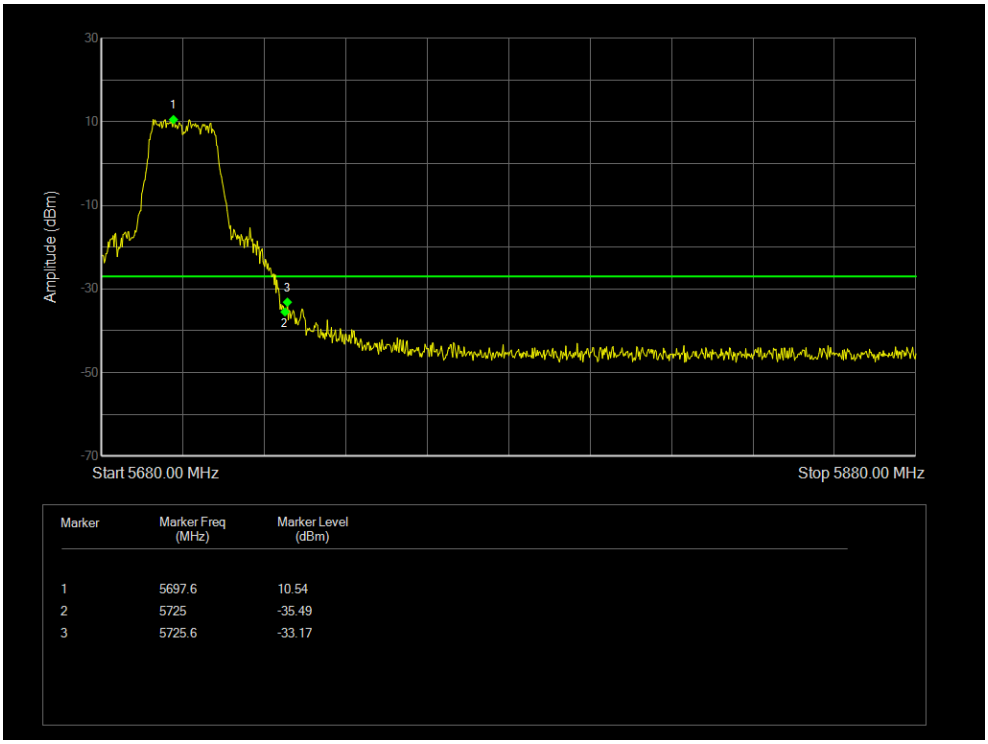
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	-34.46	-27	Pass
NVNT	802.11a	5700	Ant 1	-33.17	-27	Pass
NVNT	802.11ac20	5500	Ant 1	-37.66	-27	Pass
NVNT	802.11ac20	5700	Ant 1	-35.84	-27	Pass
NVNT	802.11n(HT20)	5500	Ant 1	-34.62	-27	Pass
NVNT	802.11n(HT20)	5700	Ant 1	-30.17	-27	Pass

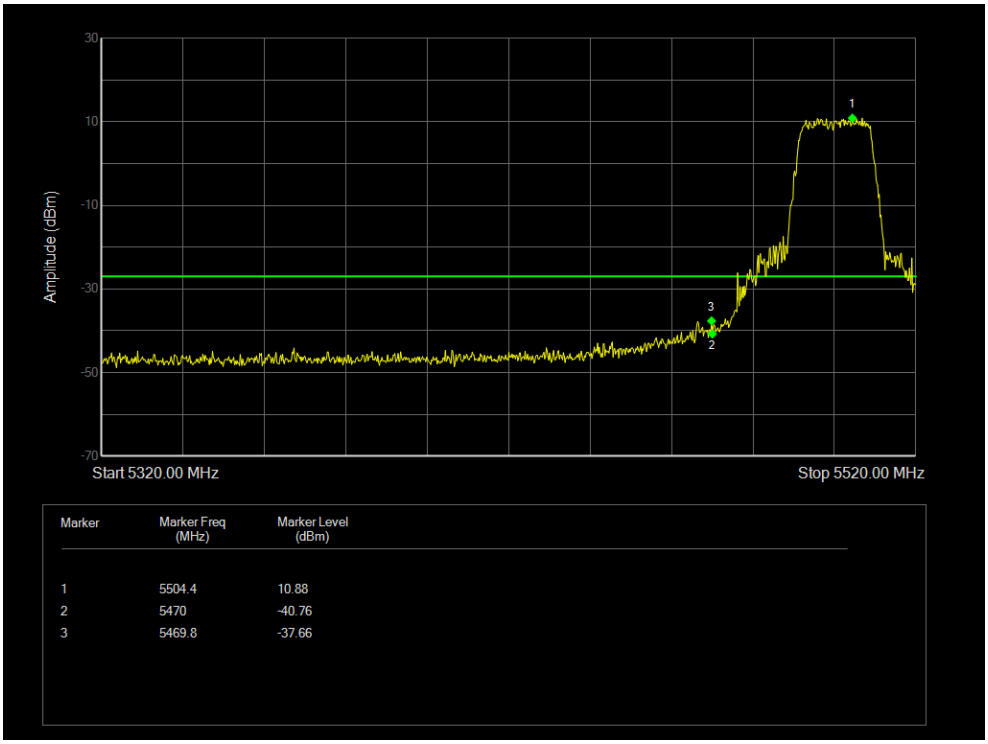
Band Edge NVNT 802.11a 5500MHz Low Ant1



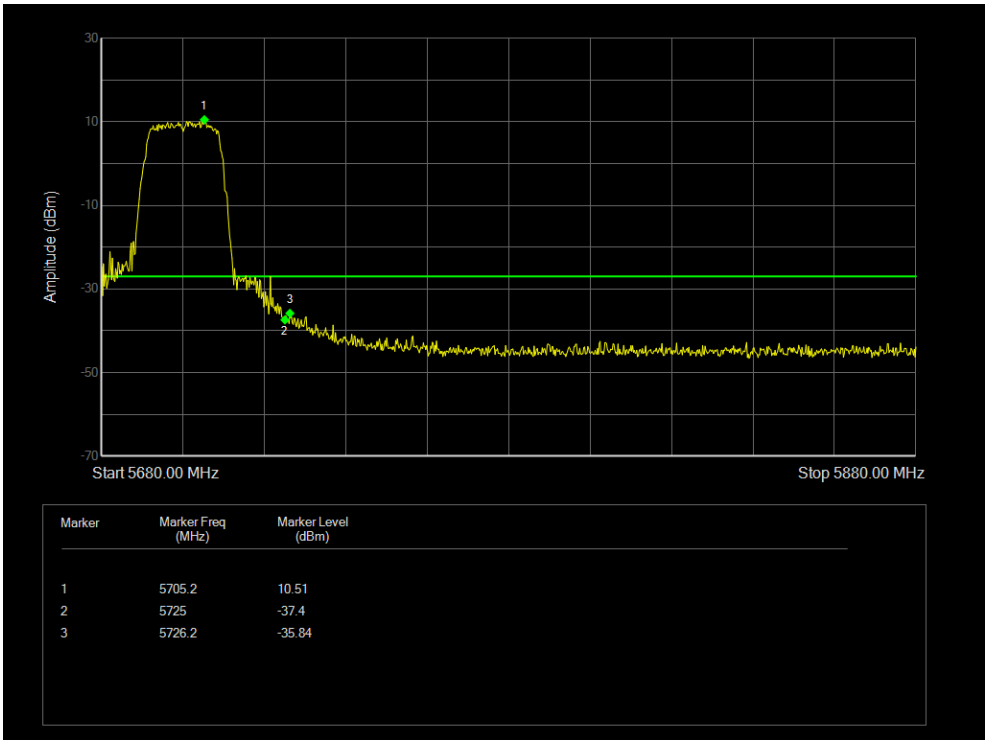
Band Edge NVNT 802.11a 5700MHz High Ant1



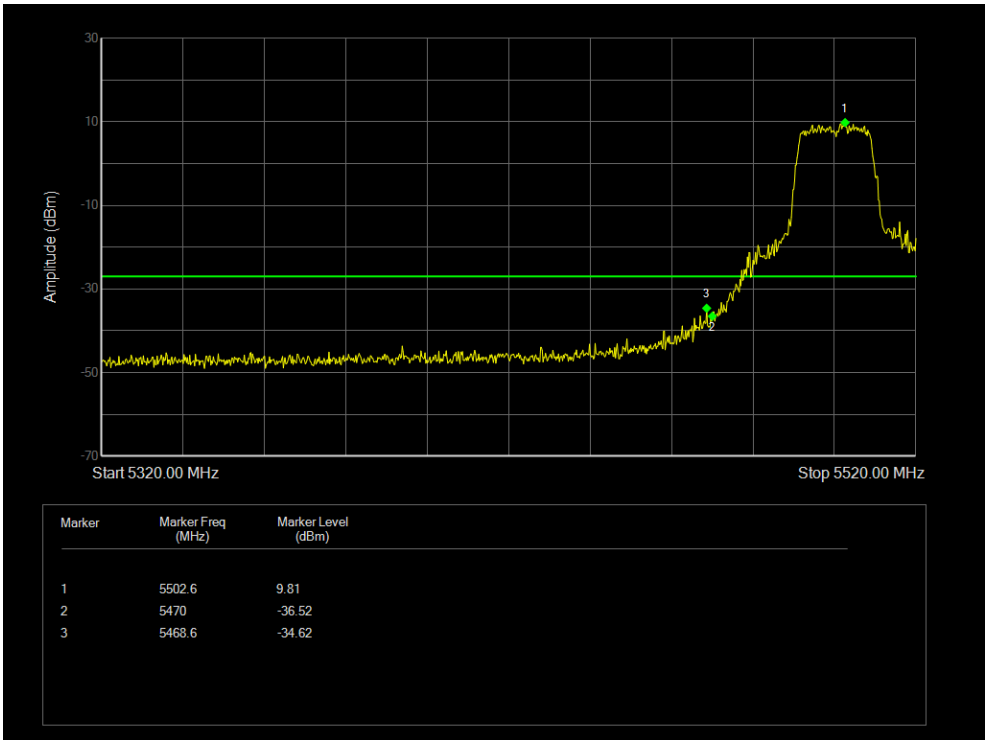
Band Edge NVNT 802.11ac20 5500MHz Low Ant1



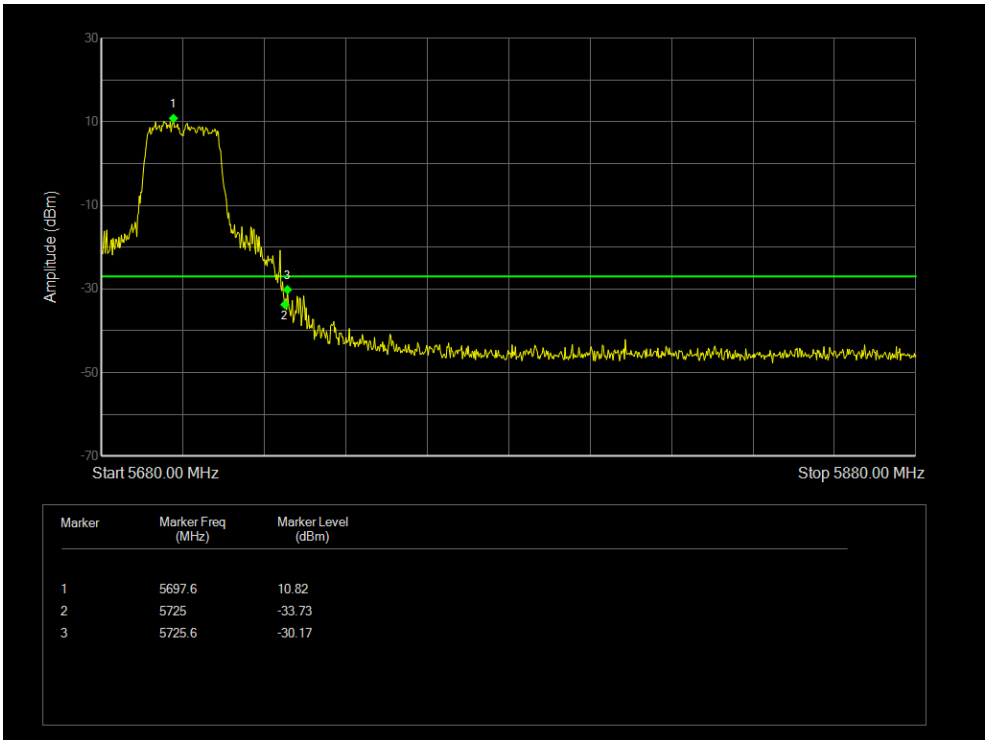
Band Edge NVNT 802.11ac20 5700MHz High Ant1



Band Edge NVNT 802.11n(HT20) 5500MHz Low Ant1



Band Edge NVNT 802.11n(HT20) 5700MHz High Ant1

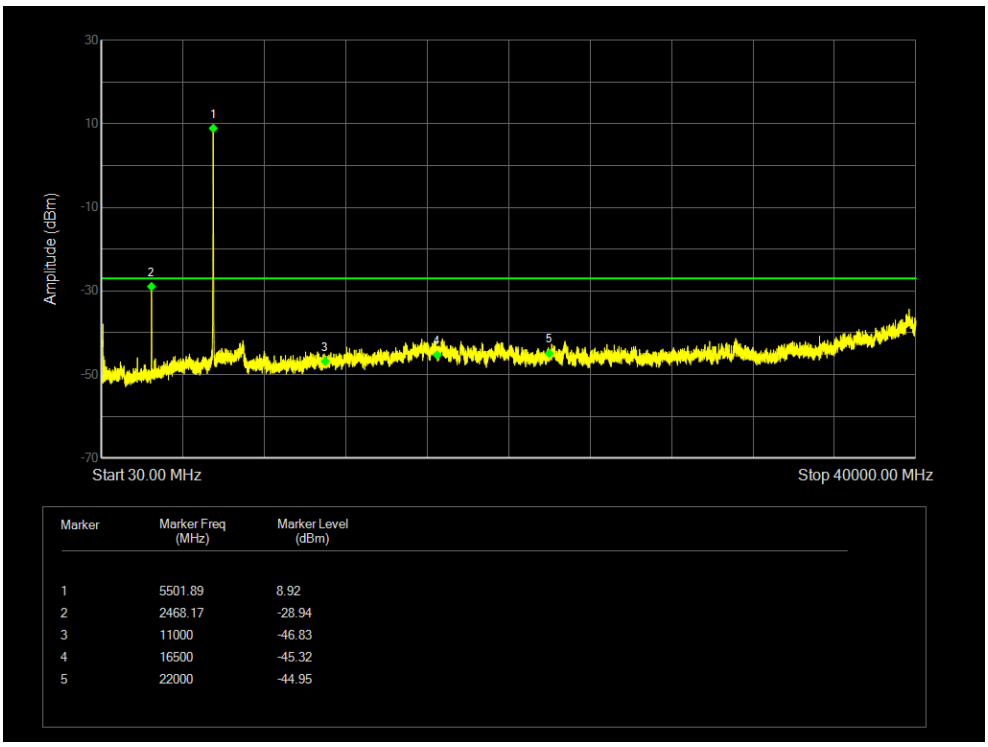


Conducted RF Spurious Emission

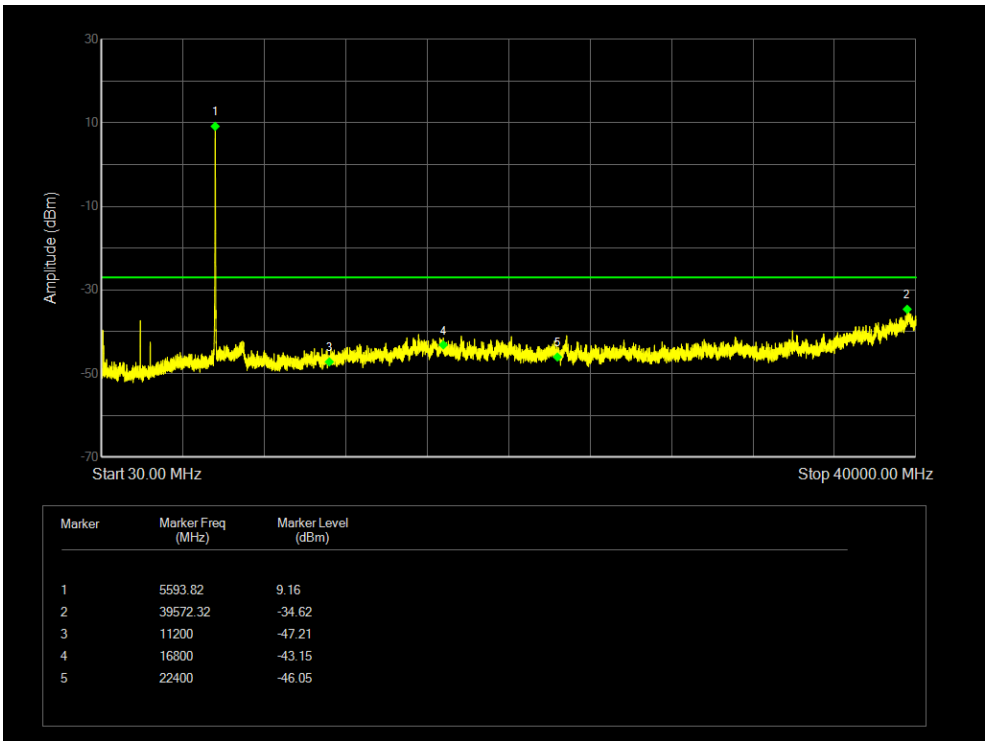
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5500	Ant 1	-28.94	-27	Pass
NVNT	802.11a	5600	Ant 1	-34.62	-27	Pass
NVNT	802.11a	5700	Ant 1	-34.49	-27	Pass
NVNT	802.11ac20	5500	Ant 1	-35.97	-27	Pass
NVNT	802.11ac20	5600	Ant 1	-34.41	-27	Pass

NVNT	802.11ac20	5700	Ant 1	-35.53	-27	Pass
NVNT	802.11n(HT20)	5500	Ant 1	-34.51	-27	Pass
NVNT	802.11n(HT20)	5600	Ant 1	-31.32	-27	Pass
NVNT	802.11n(HT20)	5700	Ant 1	-34.47	-27	Pass

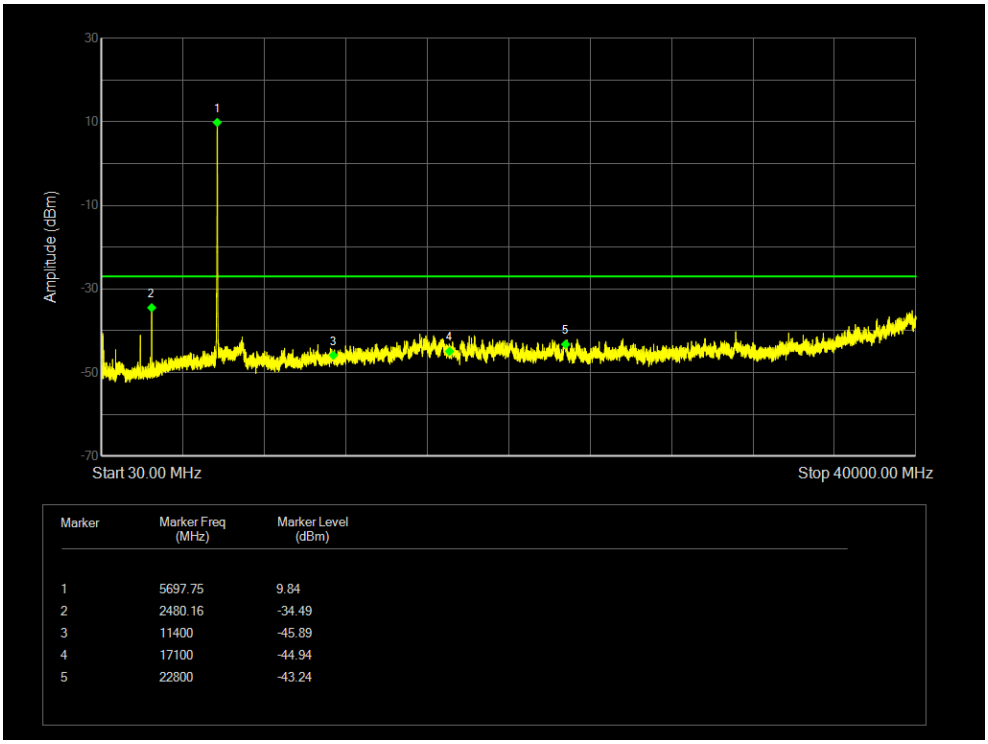
Tx. Spurious NVNT 802.11a 5500MHz Ant1 Emission



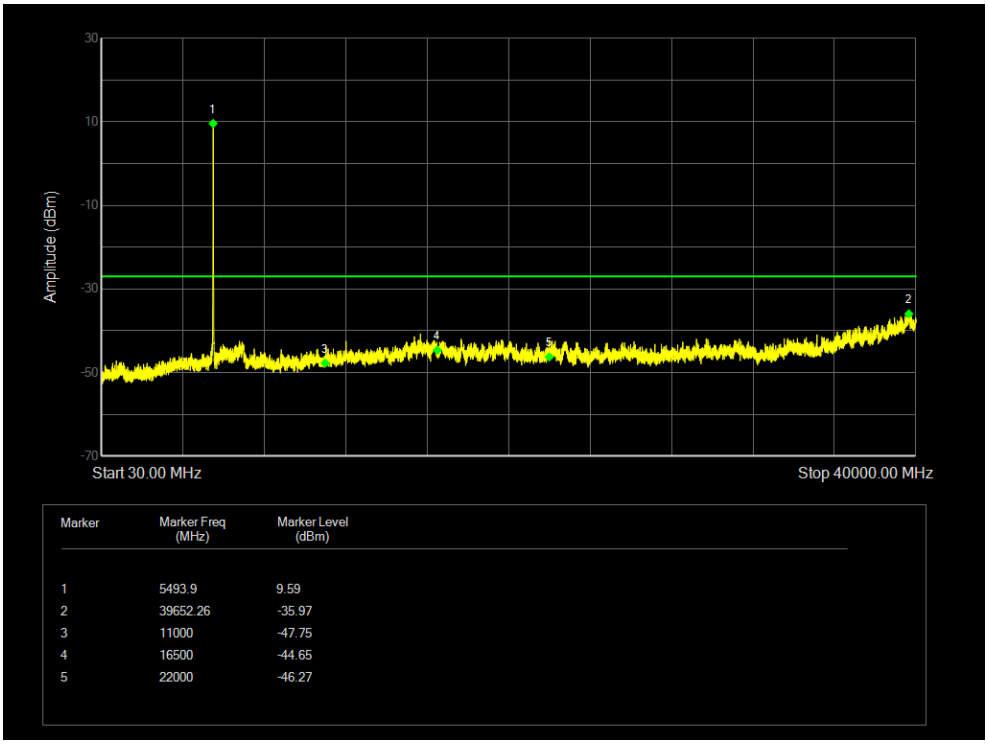
Tx. Spurious NVNT 802.11a 5600MHz Ant1 Emission



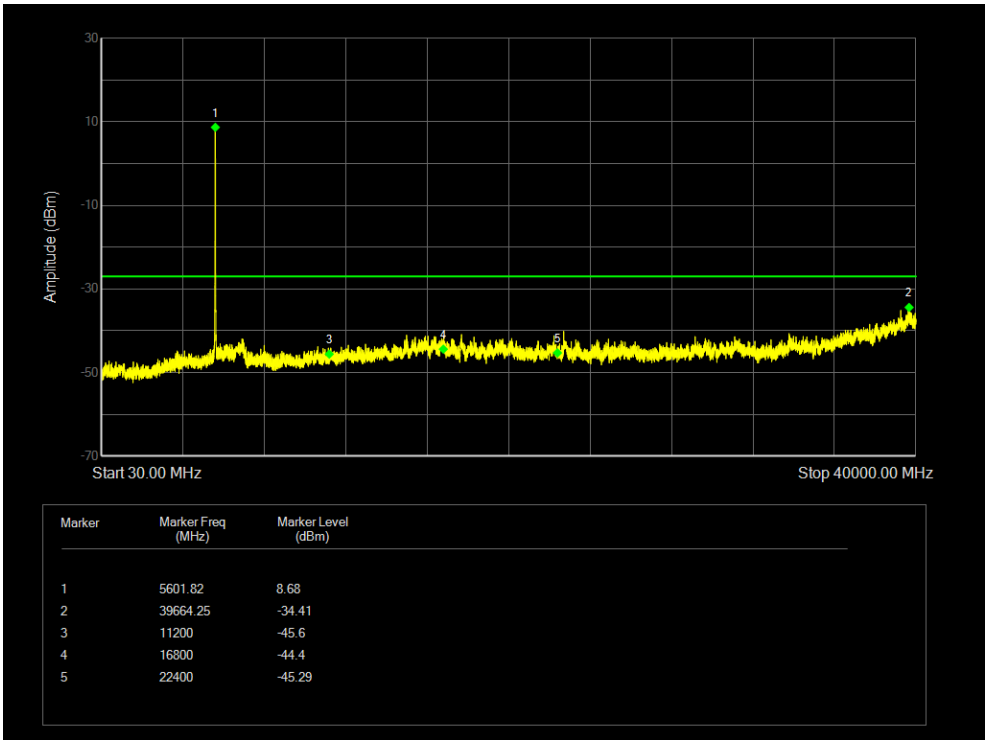
Tx. Spurious NVNT 802.11a 5700MHz Ant1 Emission



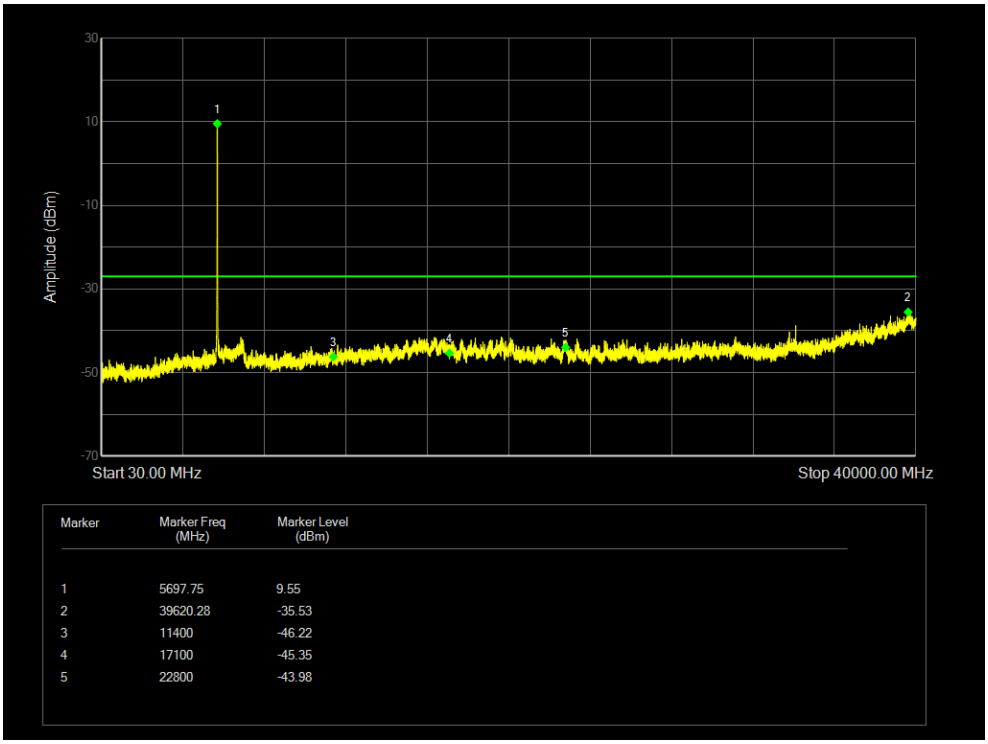
Tx. Spurious NVNT 802.11ac20 5500MHz Ant1 Emission



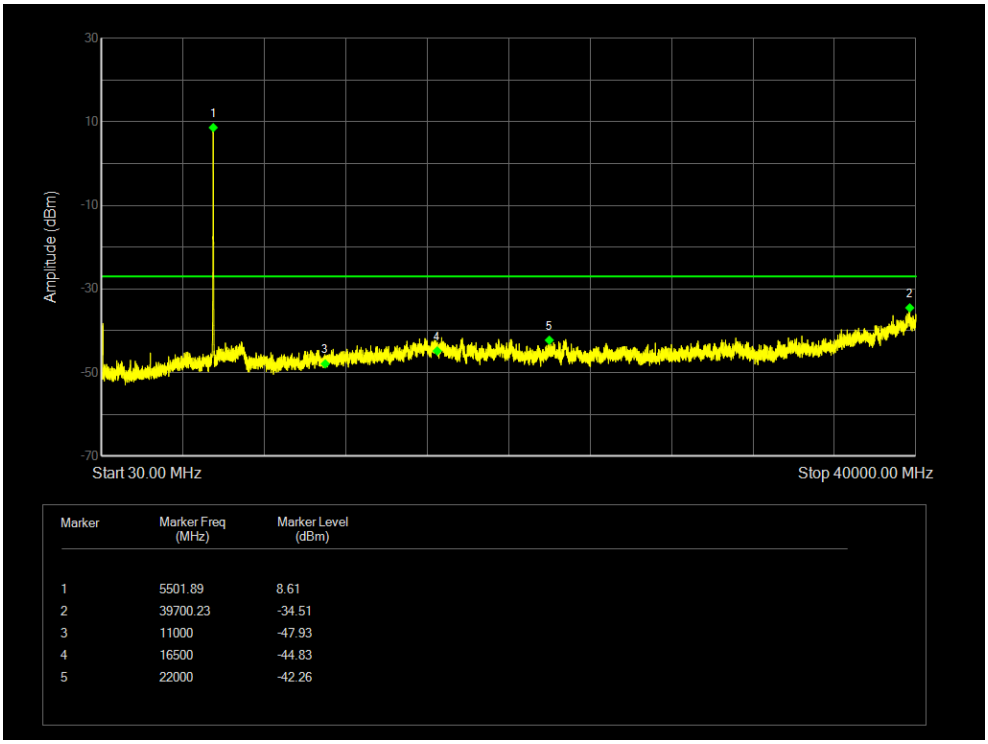
Tx. Spurious NVNT 802.11ac20 5600MHz Ant1 Emission



Tx. Spurious NVNT 802.11ac20 5700MHz Ant1 Emission

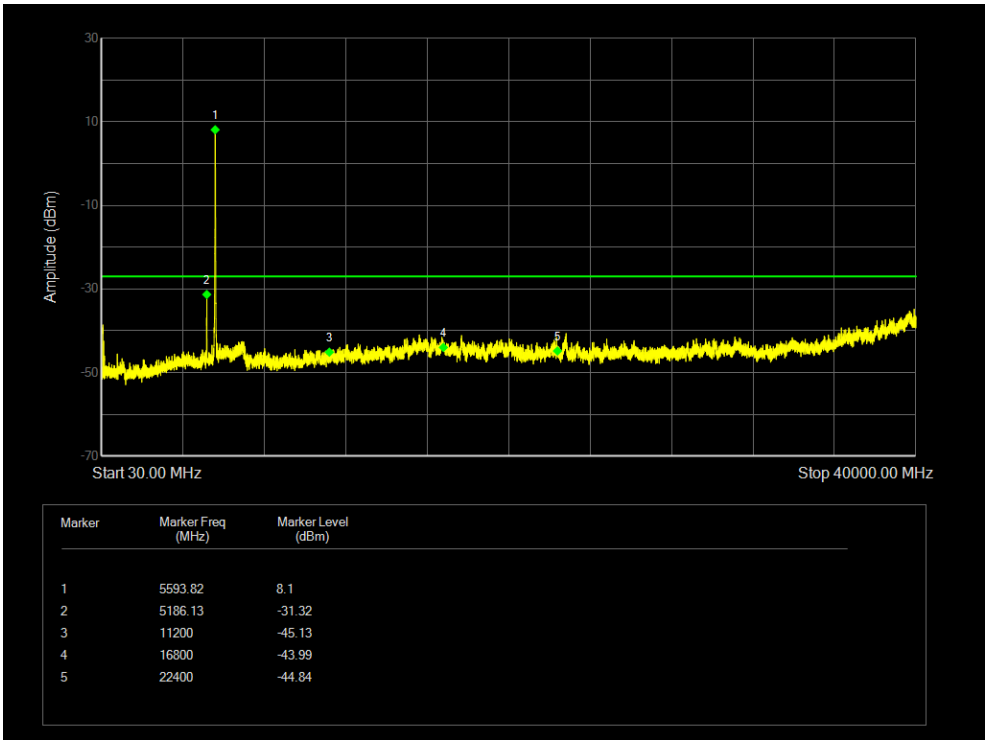


Tx. Spurious NVNT 802.11n(HT20) 5500MHz Ant1 Emission



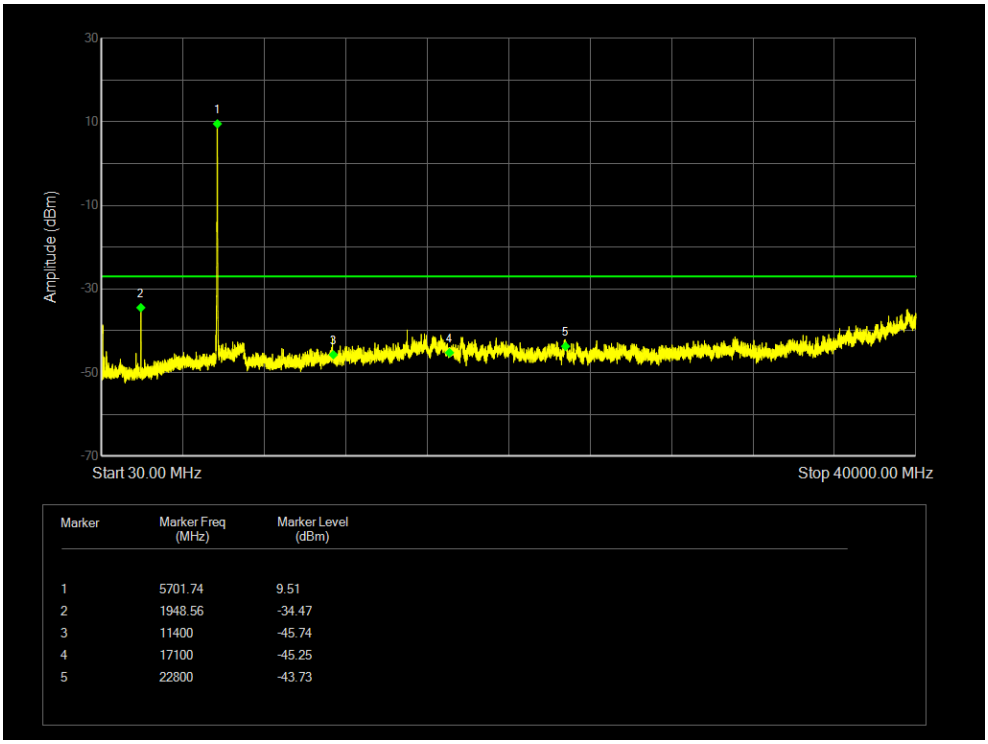
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5501.89	8.61
2	39700.23	-34.51
3	11000	-47.93
4	16500	-44.83
5	22000	-42.26

Tx. Spurious NVNT 802.11n(HT20) 5600MHz Ant1 Emission



Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5593.82	8.1
2	5186.13	-31.32
3	11200	-45.13
4	16800	-43.99
5	22400	-44.84

Tx. Spurious NVNT 802.11n(HT20) 5700MHz Ant1 Emission



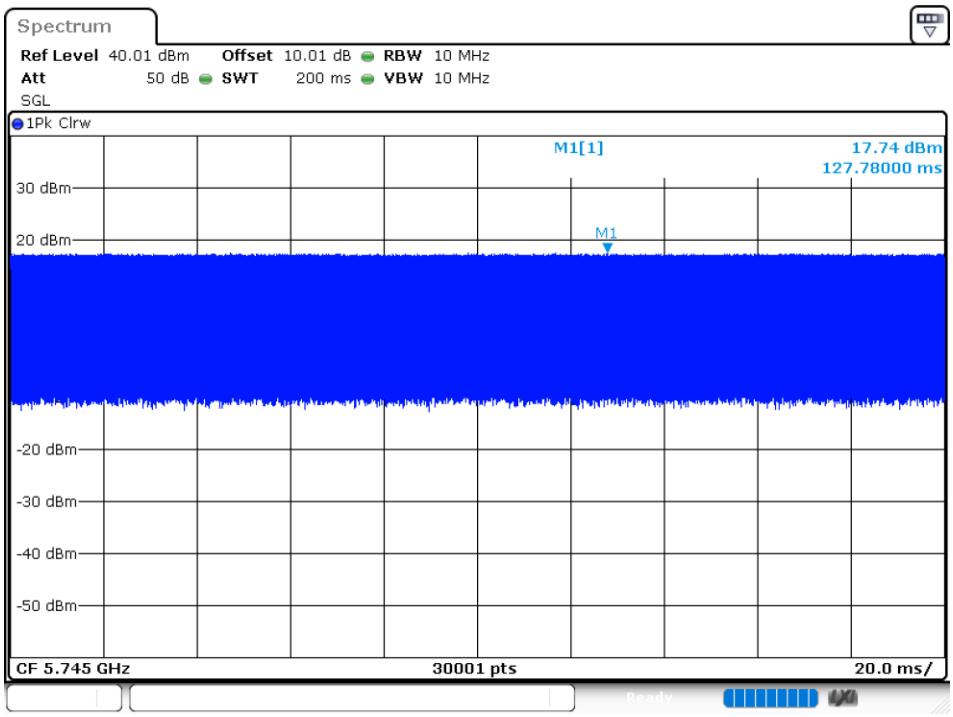
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5701.74	9.51
2	1948.56	-34.47
3	11400	-45.74
4	17100	-45.25
5	22800	-43.73

5.8G

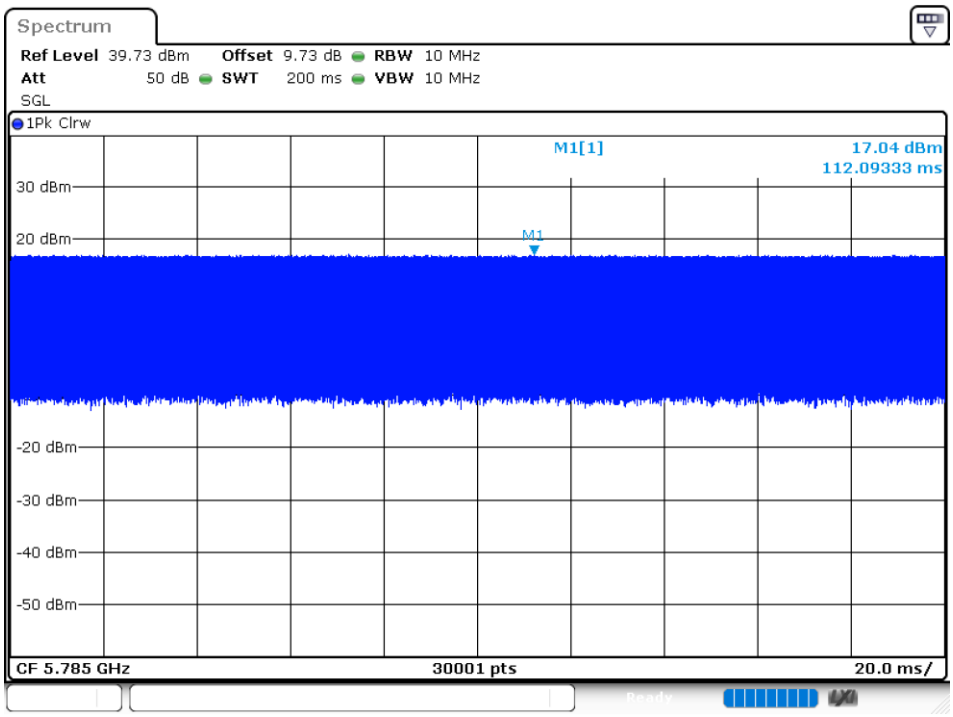
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5745	81.92	0.87
NVNT	802.11a	5785	81.94	0.87
NVNT	802.11a	5825	81.92	0.87
NVNT	802.11ac20	5745	80.96	0.92
NVNT	802.11ac20	5785	80.99	0.92
NVNT	802.11ac20	5825	80.99	0.92
NVNT	802.11n(HT20)	5745	80.62	0.94
NVNT	802.11n(HT20)	5785	80.64	0.93
NVNT	802.11n(HT20)	5825	80.63	0.93

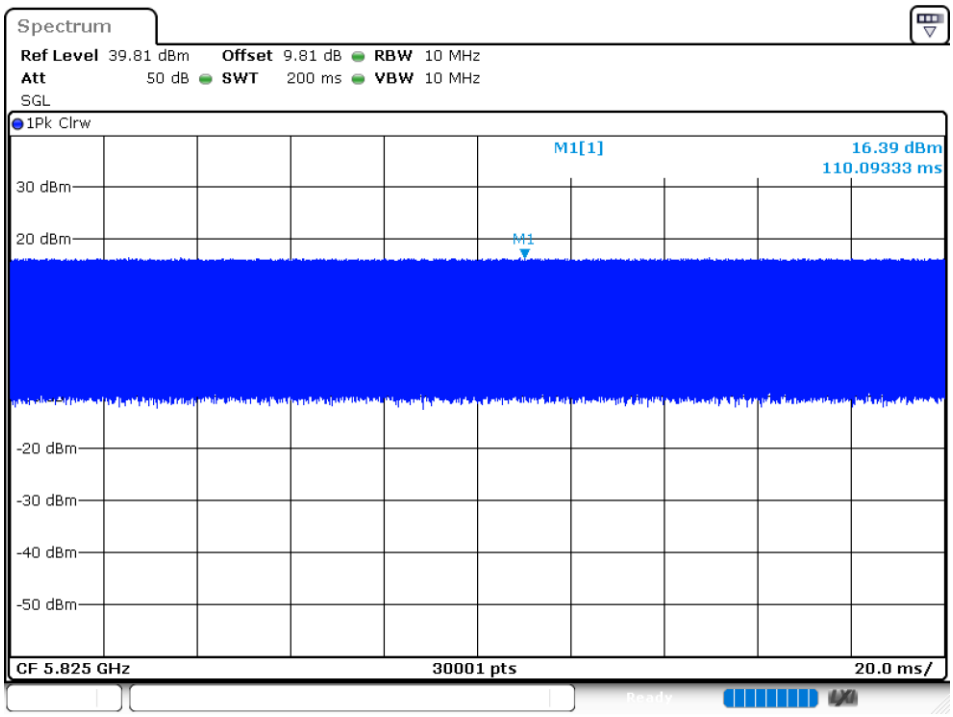
Duty Cycle NVNT 802.11a 5745MHz



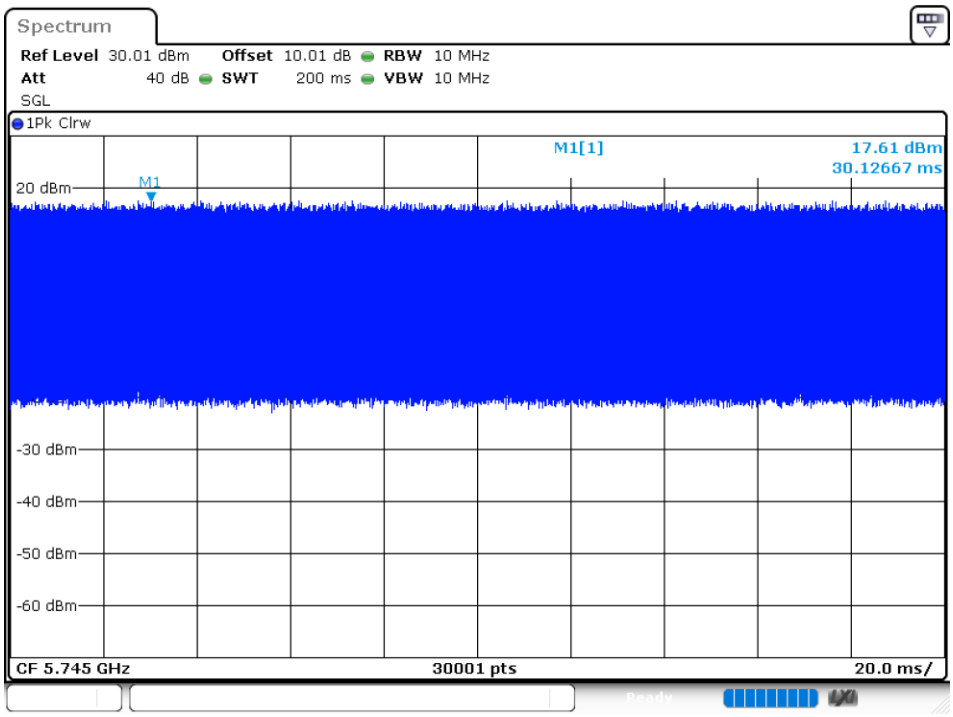
Duty Cycle NVNT 802.11a 5785MHz



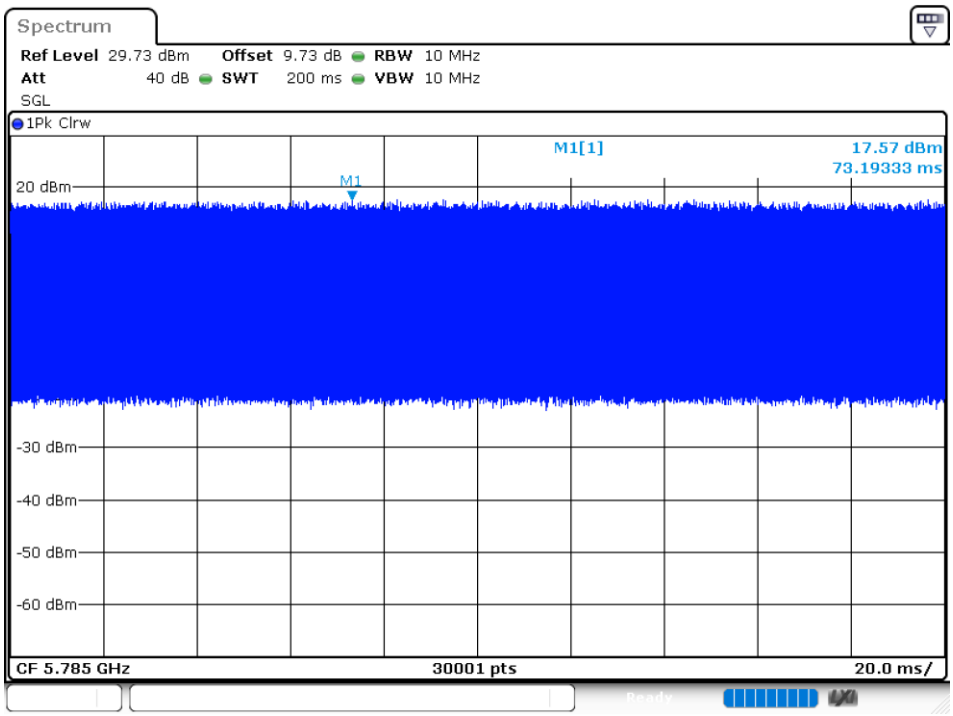
Duty Cycle NVNT 802.11a 5825MHz



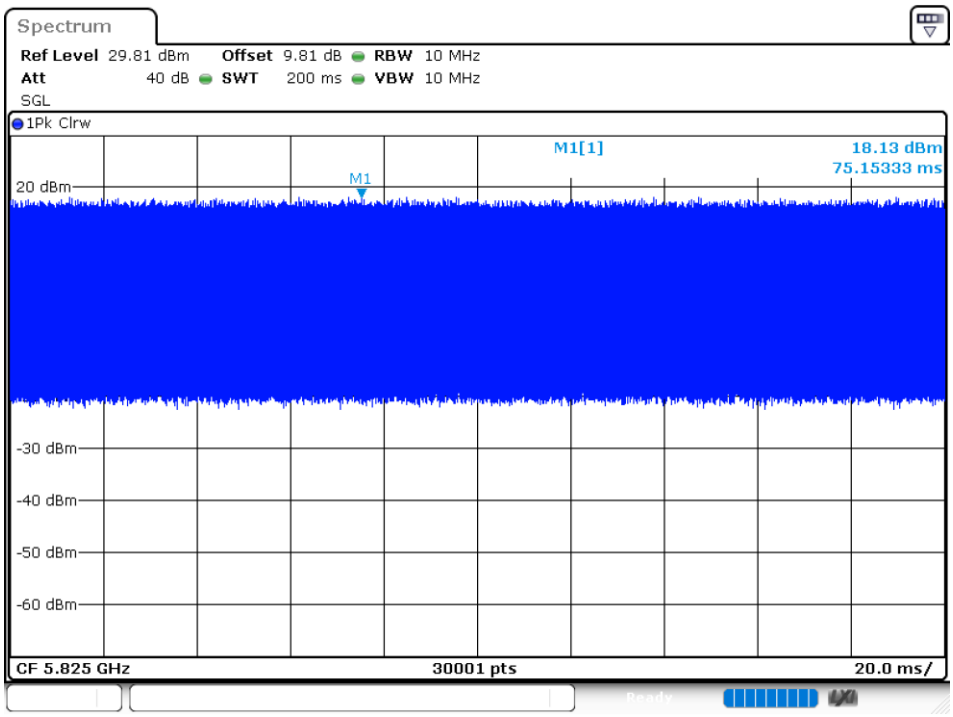
Duty Cycle NVNT 802.11ac20 5745MHz



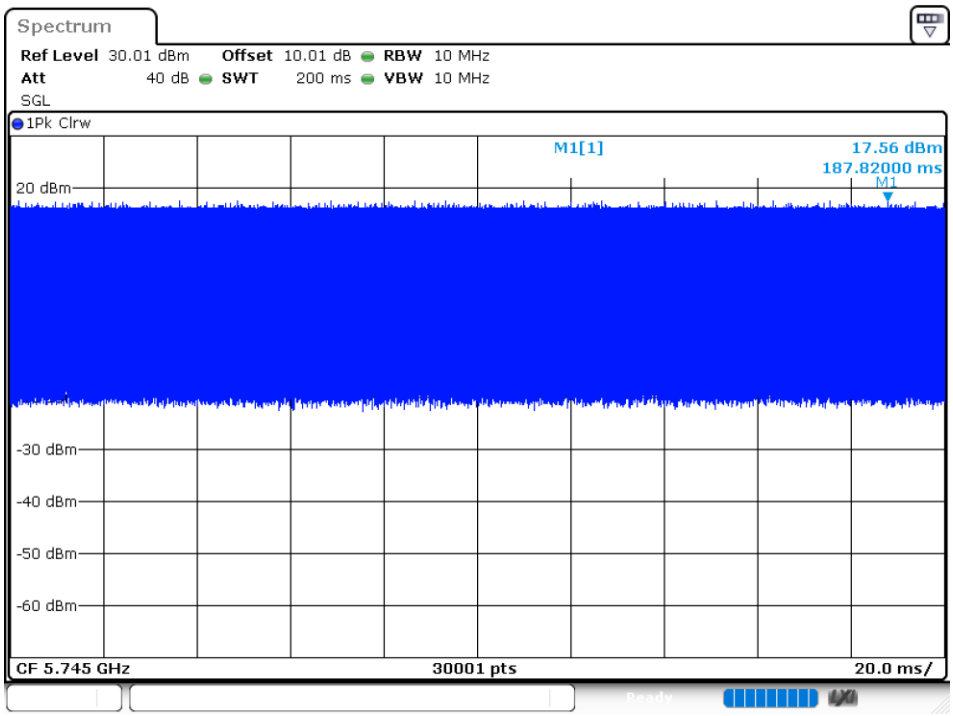
Duty Cycle NVNT 802.11ac20 5785MHz



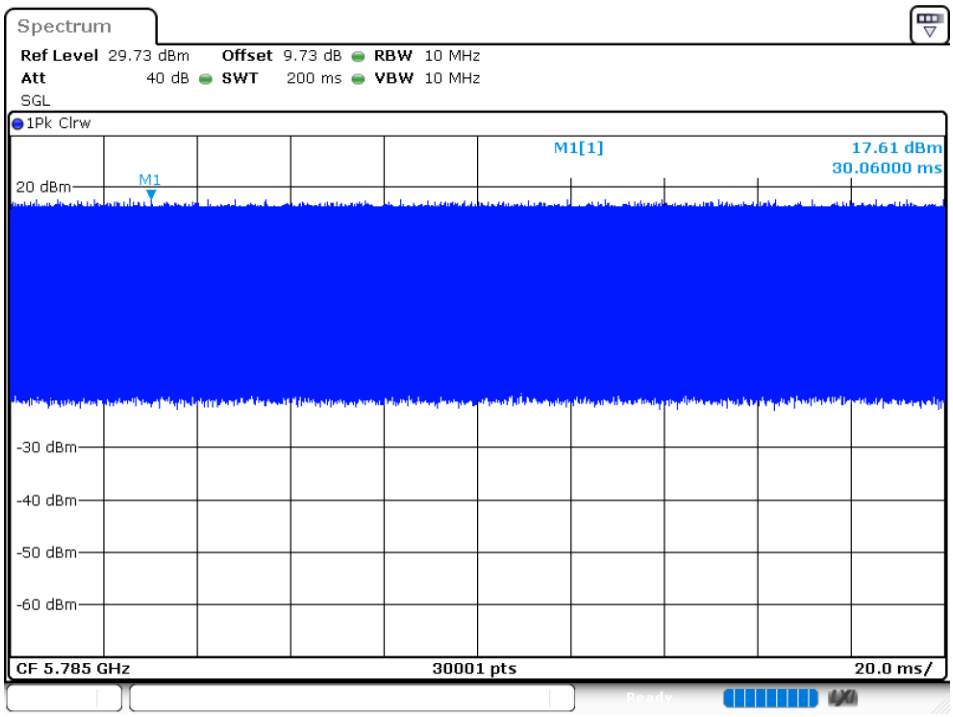
Duty Cycle NVNT 802.11ac20 5825MHz



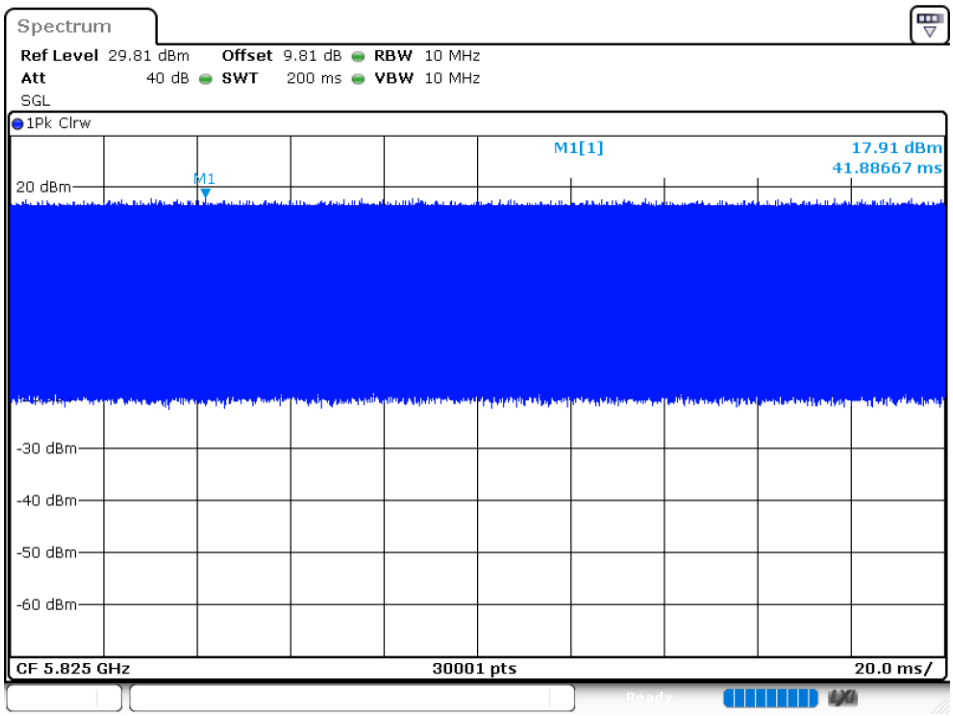
Duty Cycle NVNT 802.11n(HT20) 5745MHz



Duty Cycle NVNT 802.11n(HT20) 5785MHz



Duty Cycle NVNT 802.11n(HT20) 5825MHz



Maximum Conducted Output Power

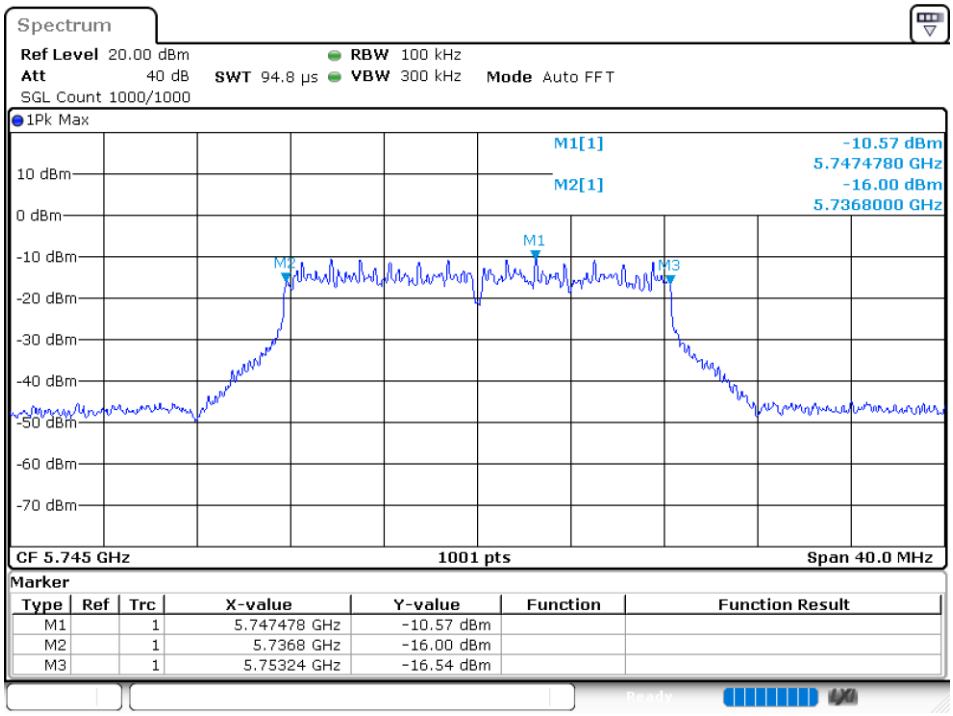
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	9.38	0.87	10.25	30	Pass
NVNT	802.11a	5785	Ant 1	8.85	0.87	9.72	30	Pass
NVNT	802.11a	5825	Ant 1	8.15	0.87	9.02	30	Pass
NVNT	802.11ac20	5745	Ant 1	8.67	0.92	9.59	30	Pass

NVNT	802.11ac20	5785	Ant 1	8.72	0.92	9.64	30	Pass
NVNT	802.11ac20	5825	Ant 1	9.17	0.92	10.09	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	8.7	0.94	9.64	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	8.69	0.93	9.62	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	9.22	0.93	10.15	30	Pass

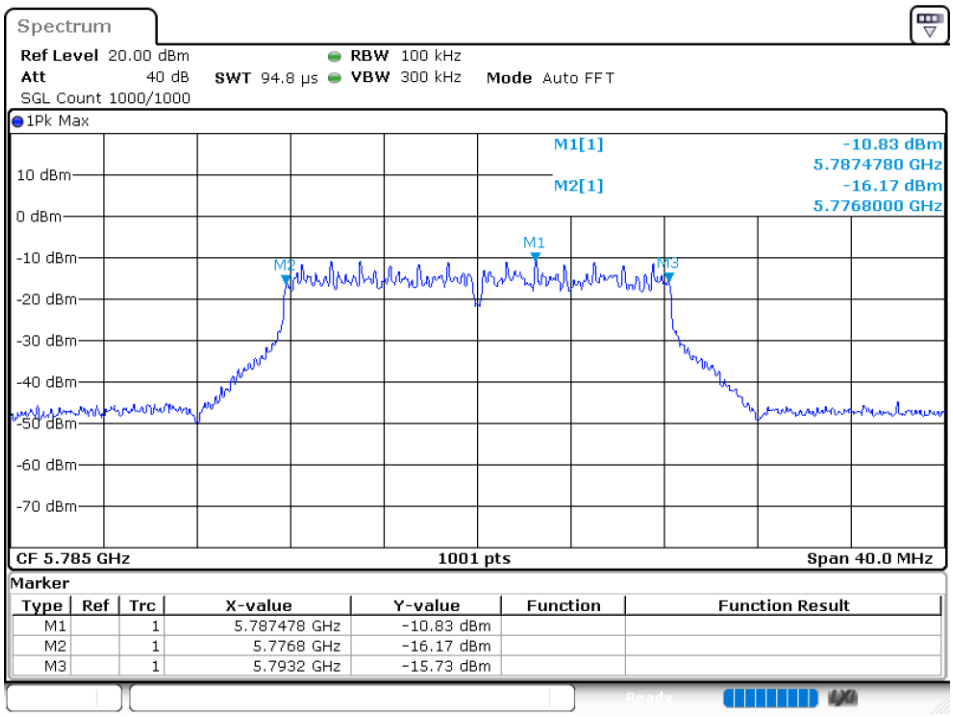
-6dB Emission Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.44	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.4	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.4	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	17.76	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.76	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.68	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.68	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.76	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.72	0.5	Pass

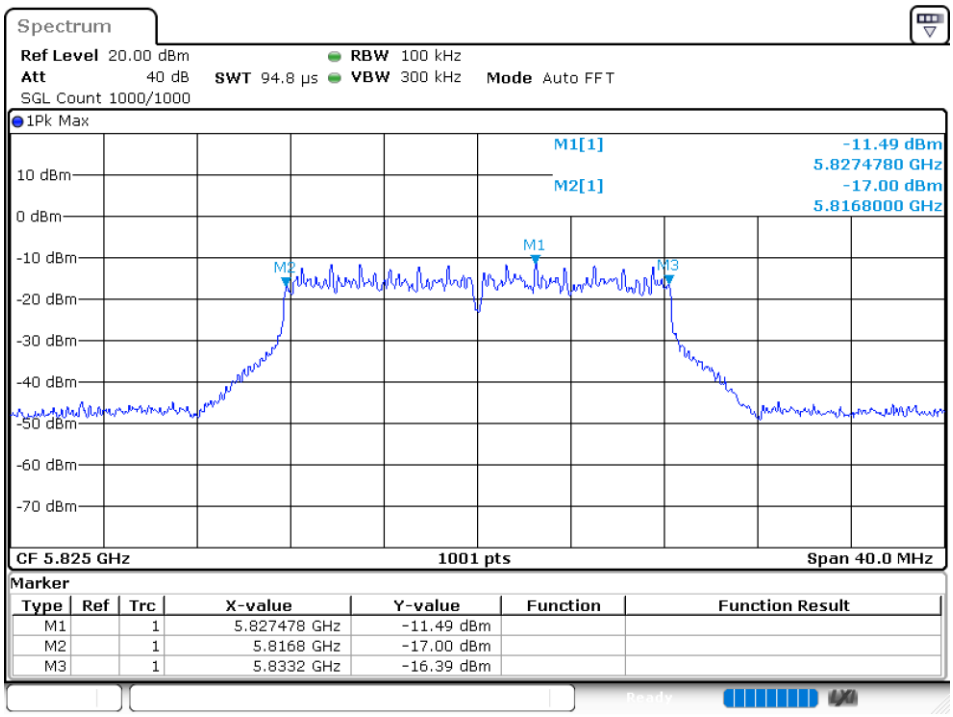
EBW NVNT 802.11a 5745MHz Ant1



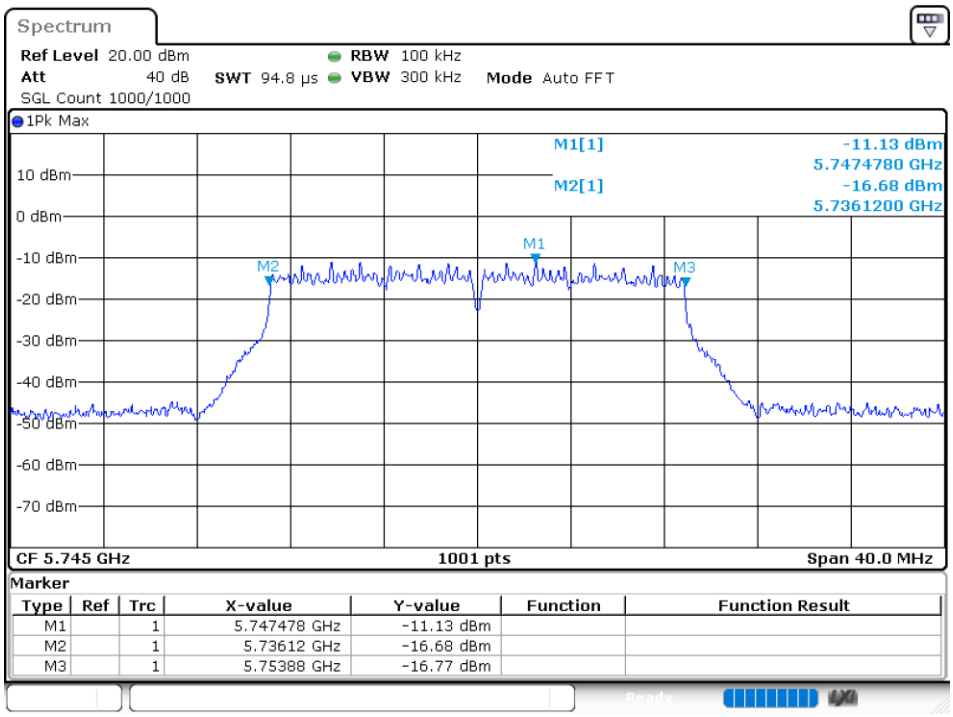
EBW NVNT 802.11a 5785MHz Ant1



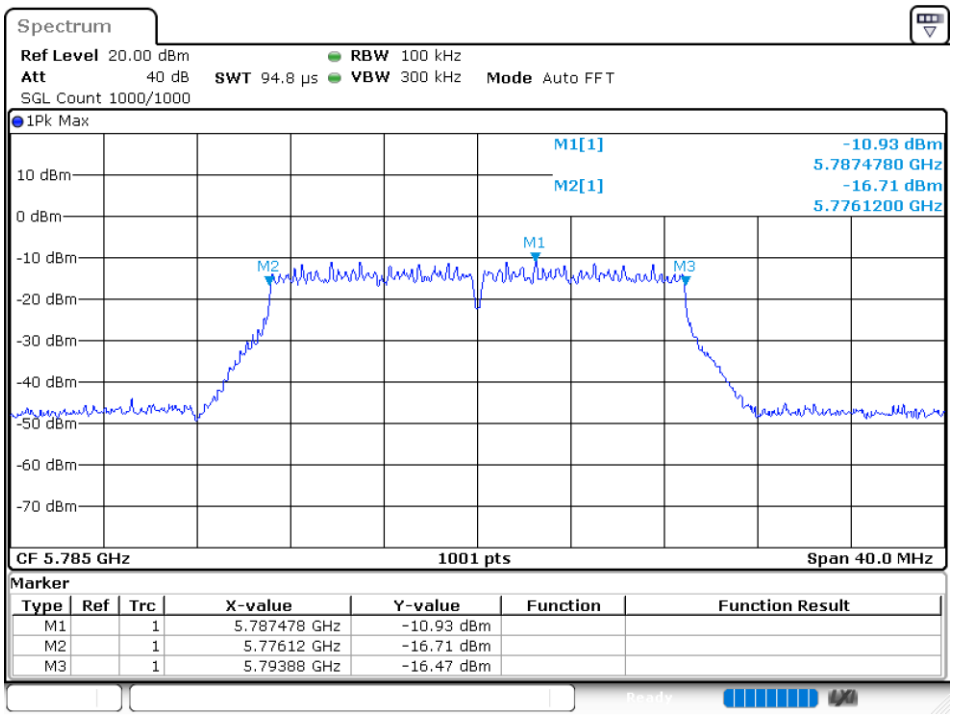
EBW NVNT 802.11a 5825MHz Ant1



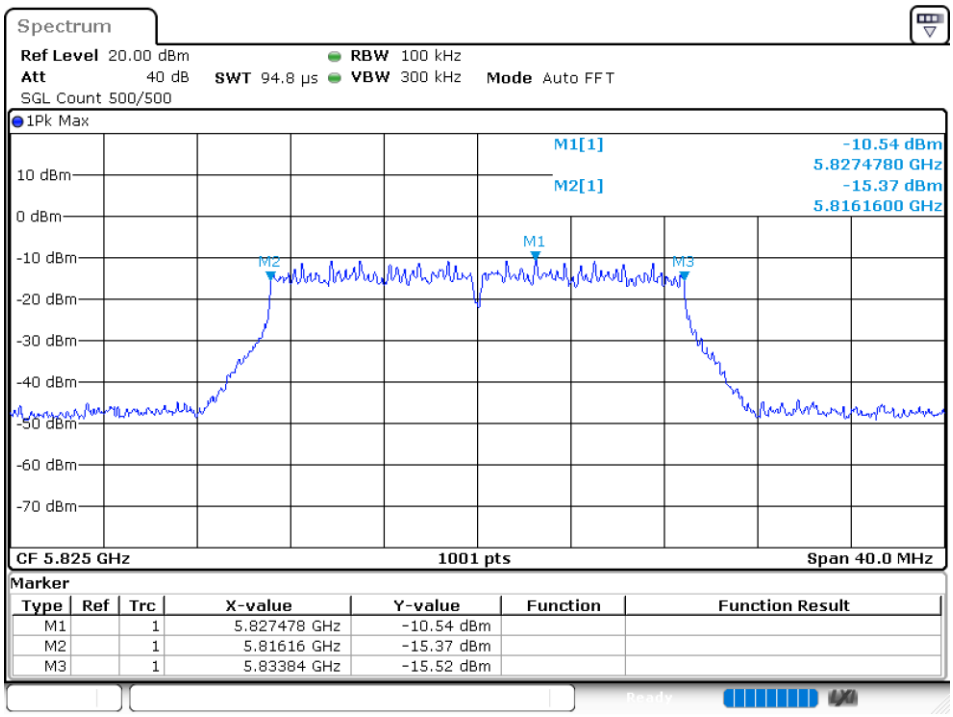
EBW NVNT 802.11ac20 5745MHz Ant1



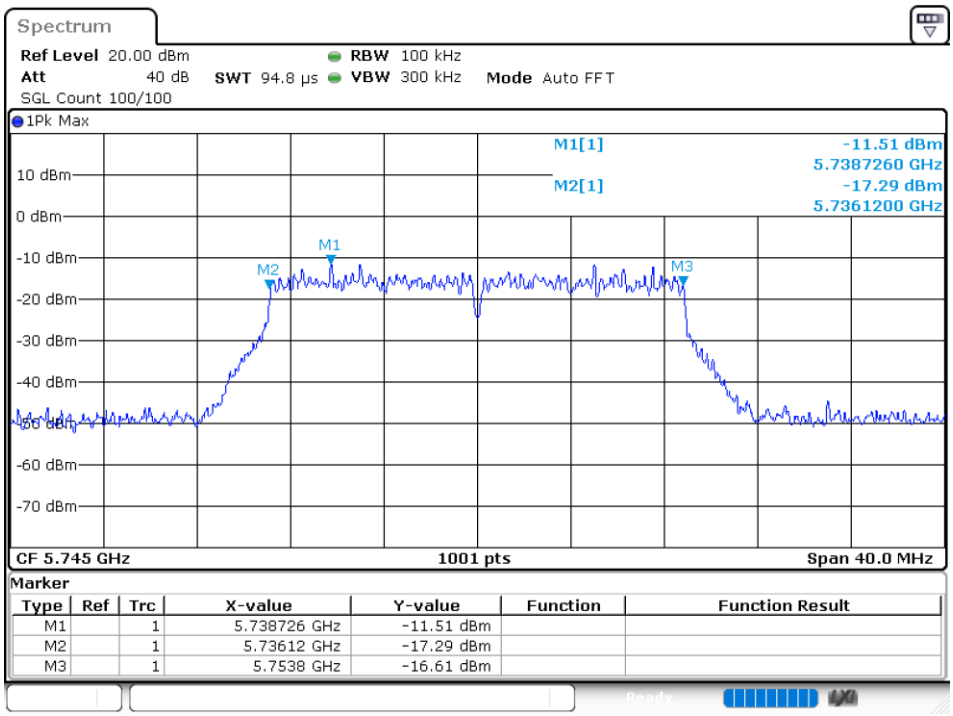
EBW NVNT 802.11ac20 5785MHz Ant1



EBW NVNT 802.11ac20 5825MHz Ant1



EBW NVNT 802.11n(HT20) 5745MHz Ant1



EBW NVNT 802.11n(HT20) 5785MHz Ant1