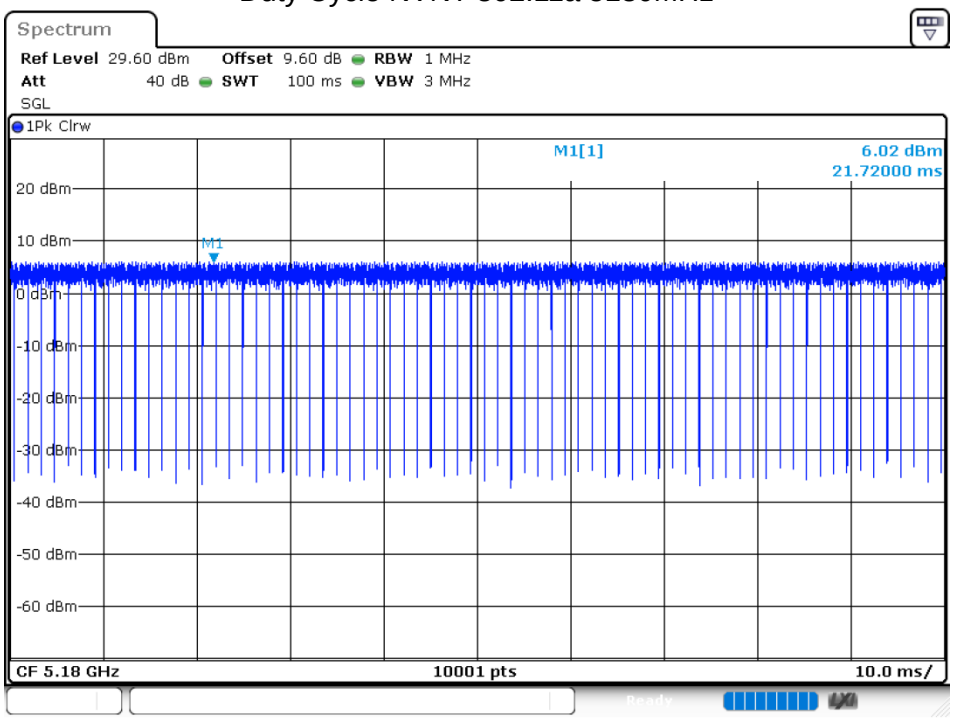
13. TEST RESULTS

13.1 DUTY CYCLE

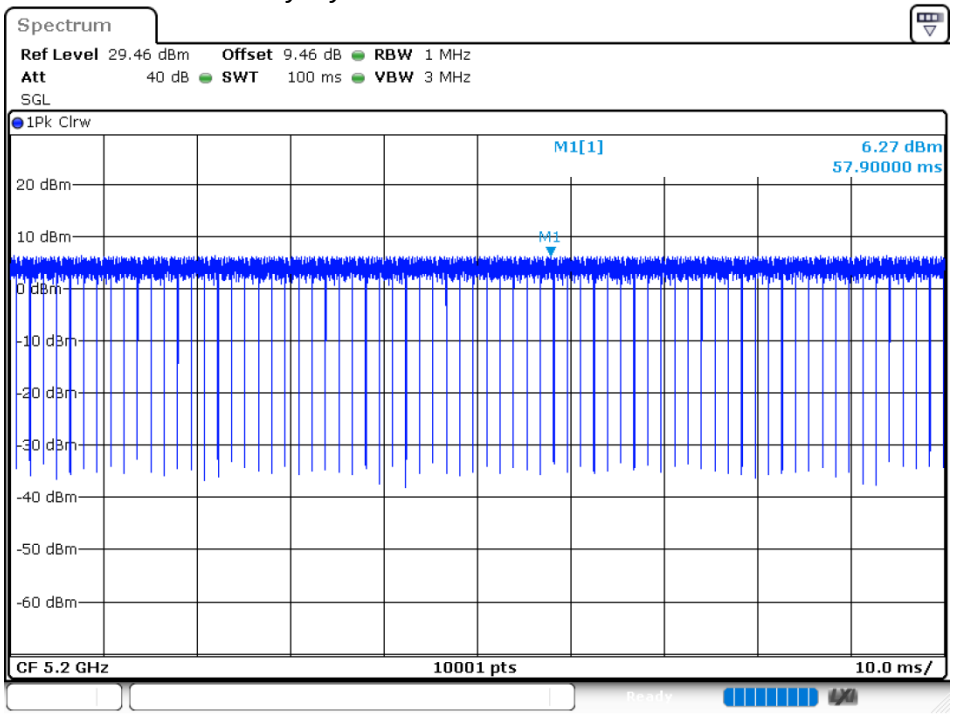
5.2G:

Condition	Mode	Frequency (MHz)	Duty Cycle (%)
NVNT	802.11a	5180	100
NVNT	802.11a	5200	100
NVNT	802.11a	5240	100
NVNT	802.11ac20	5180	100
NVNT	802.11ac20	5200	100
NVNT	802.11ac20	5240	100
NVNT	802.11ac40	5190	100
NVNT	802.11ac40	5230	99.98
NVNT	802.11ac80	5210	100
NVNT	802.11n(HT20)	5180	100
NVNT	802.11n(HT20)	5200	100
NVNT	802.11n(HT20)	5240	100
NVNT	802.11n(HT40)	5190	100
NVNT	802.11n(HT40)	5230	100

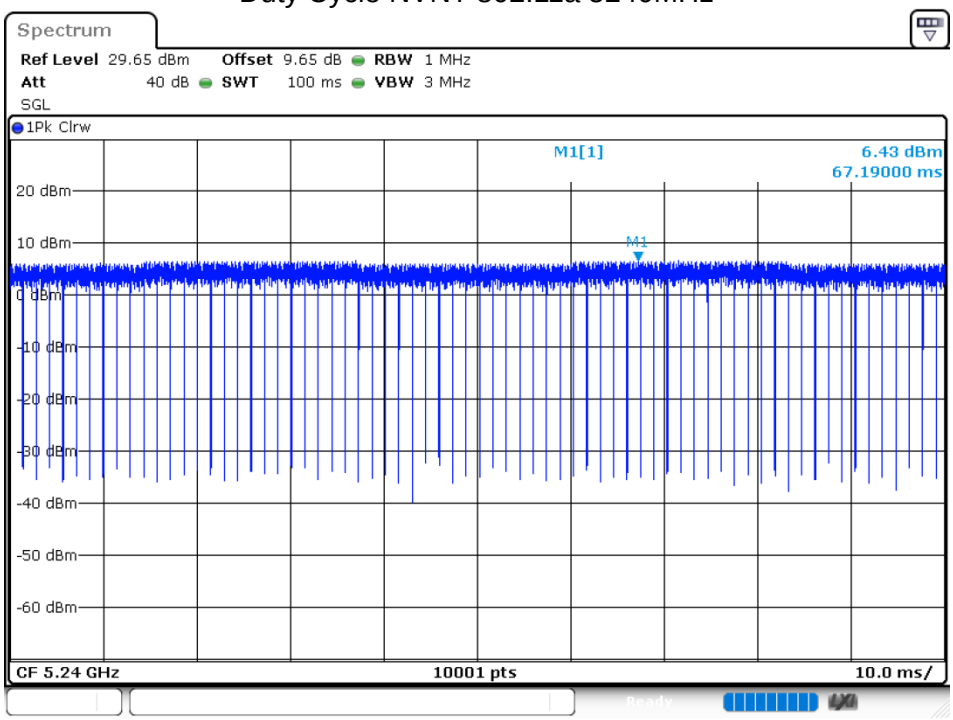
Duty Cycle NVNT 802.11a 5180MHz



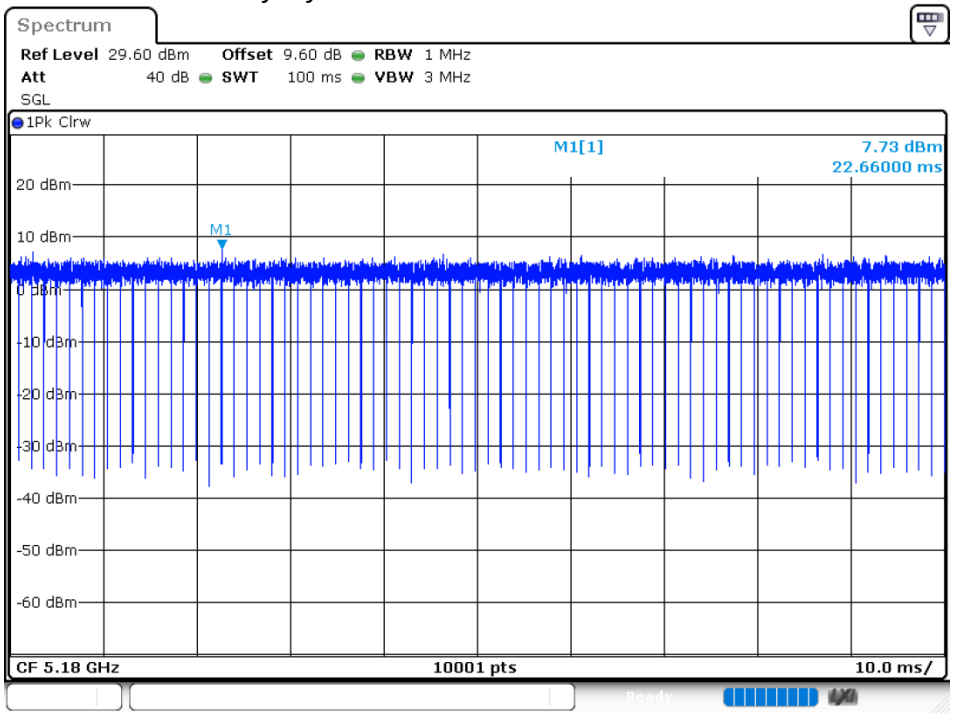
Duty Cycle NVNT 802.11a 5200MHz



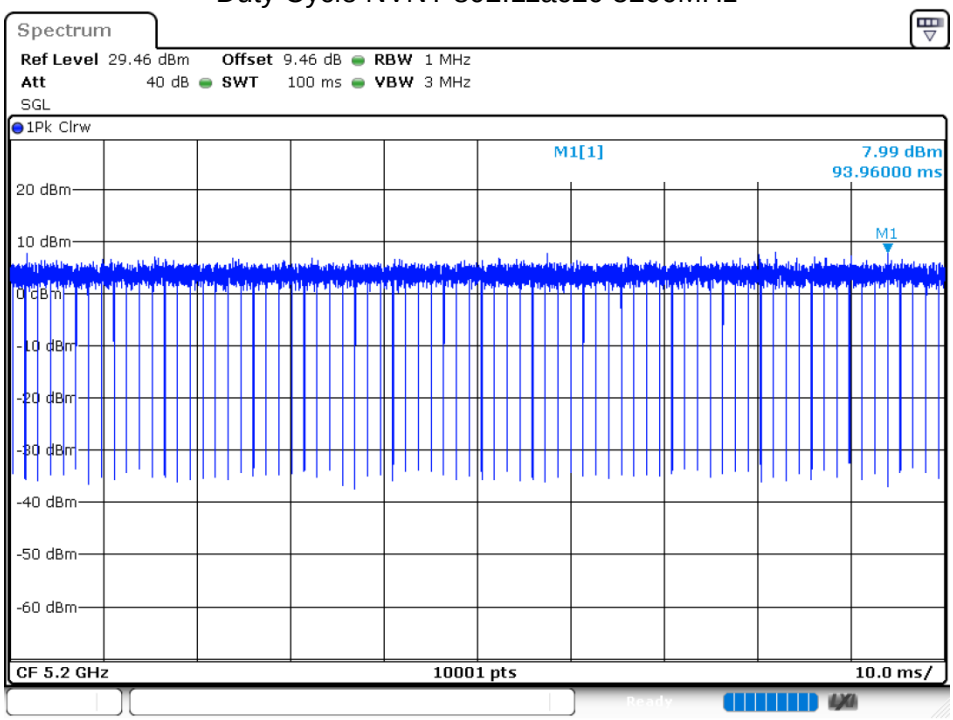
Duty Cycle NVNT 802.11a 5240MHz



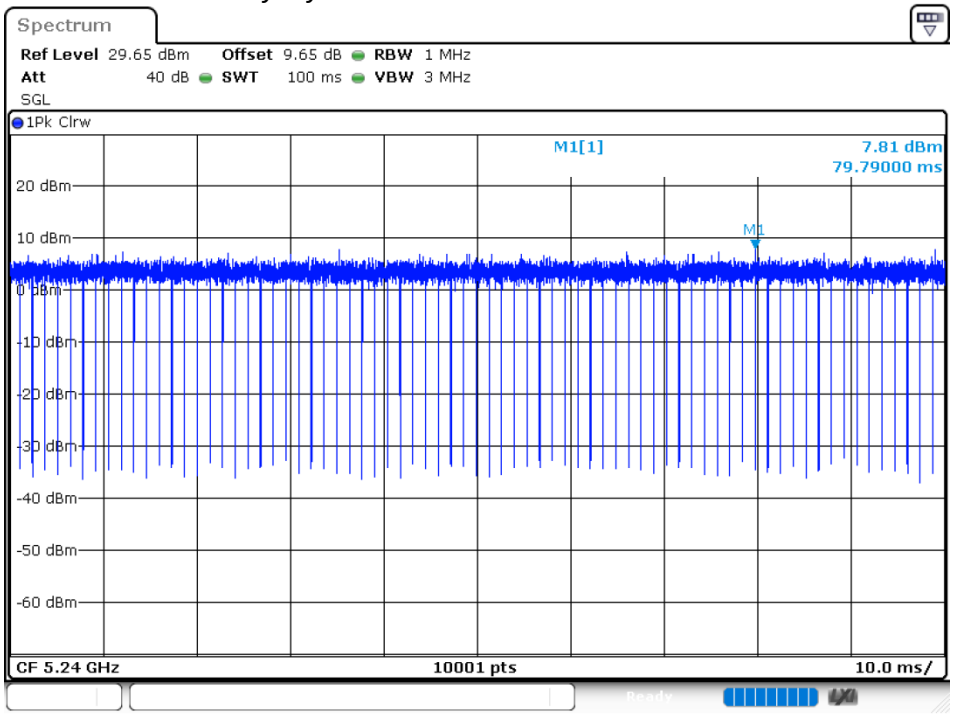
Duty Cycle NVNT 802.11ac20 5180MHz



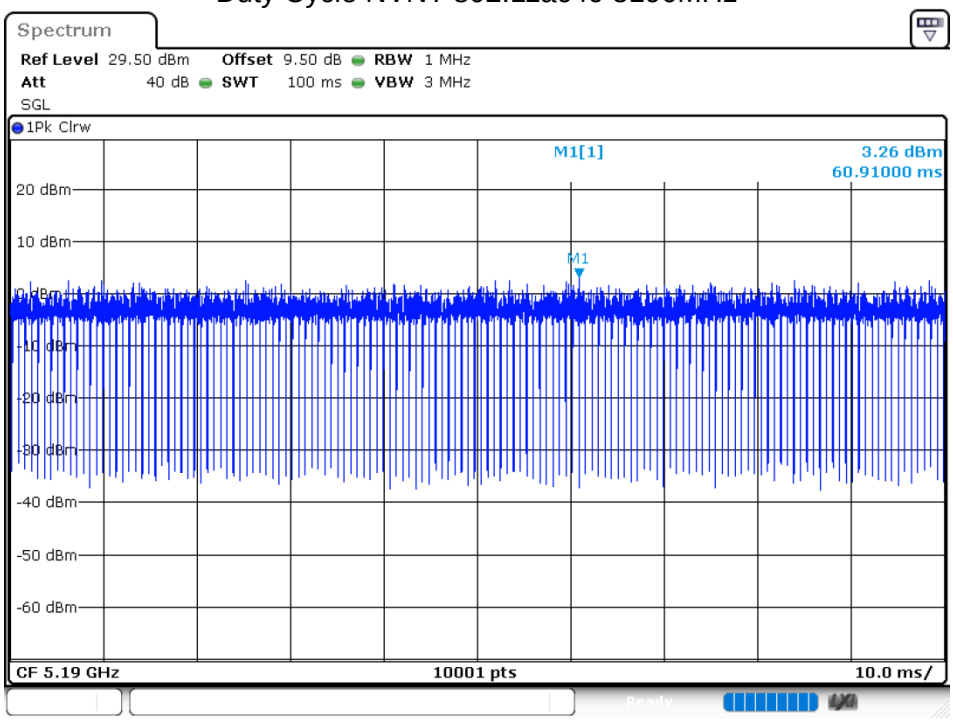
Duty Cycle NVNT 802.11ac20 5200MHz



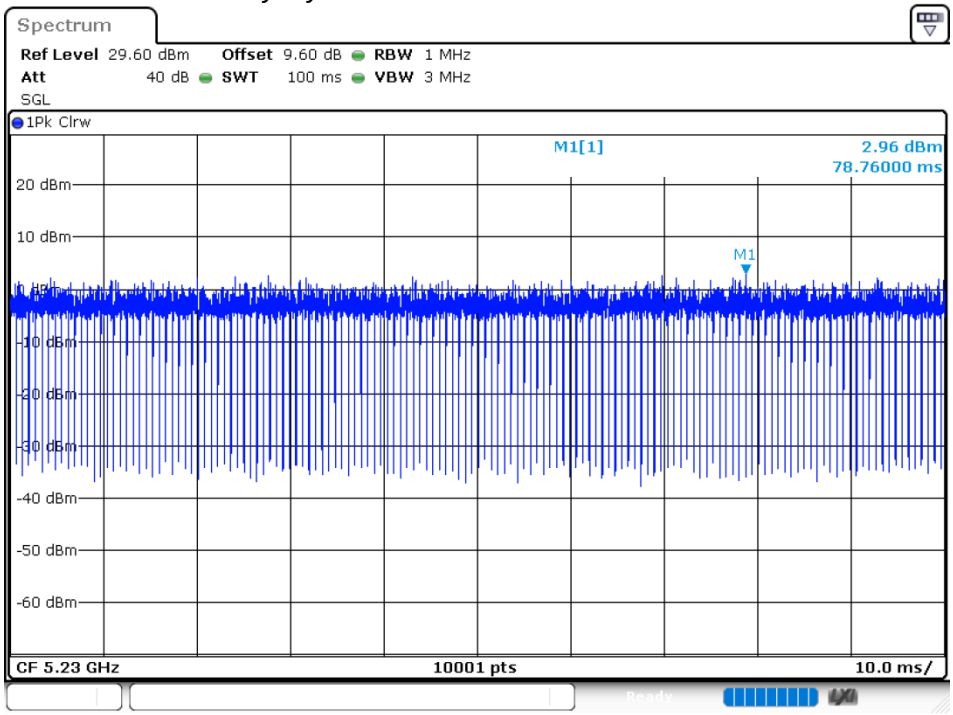
Duty Cycle NVNT 802.11ac20 5240MHz



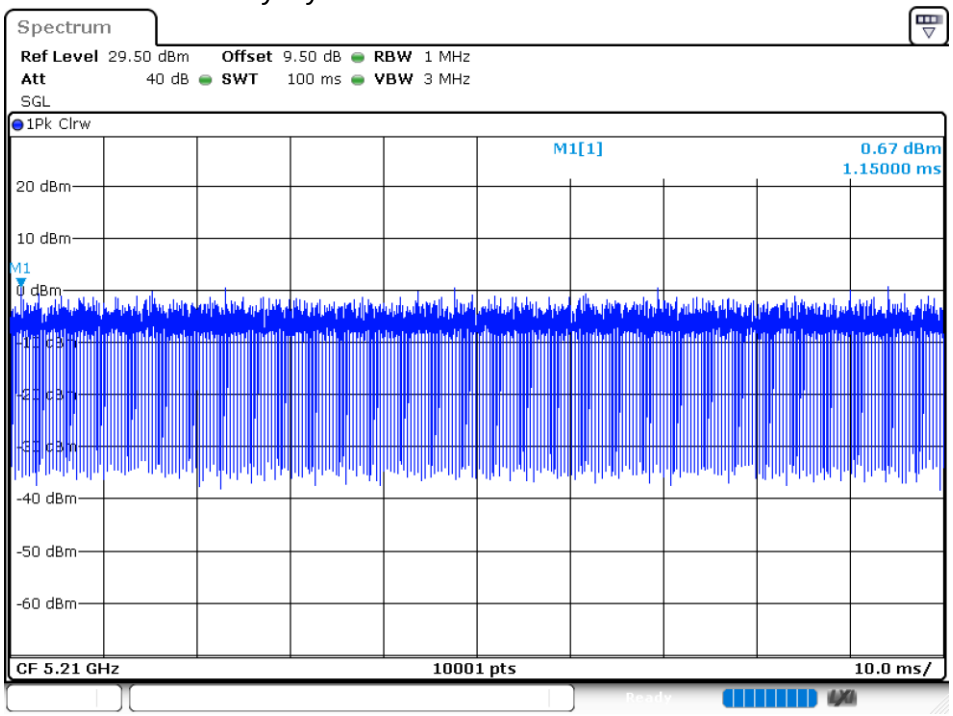
Duty Cycle NVNT 802.11ac40 5190MHz



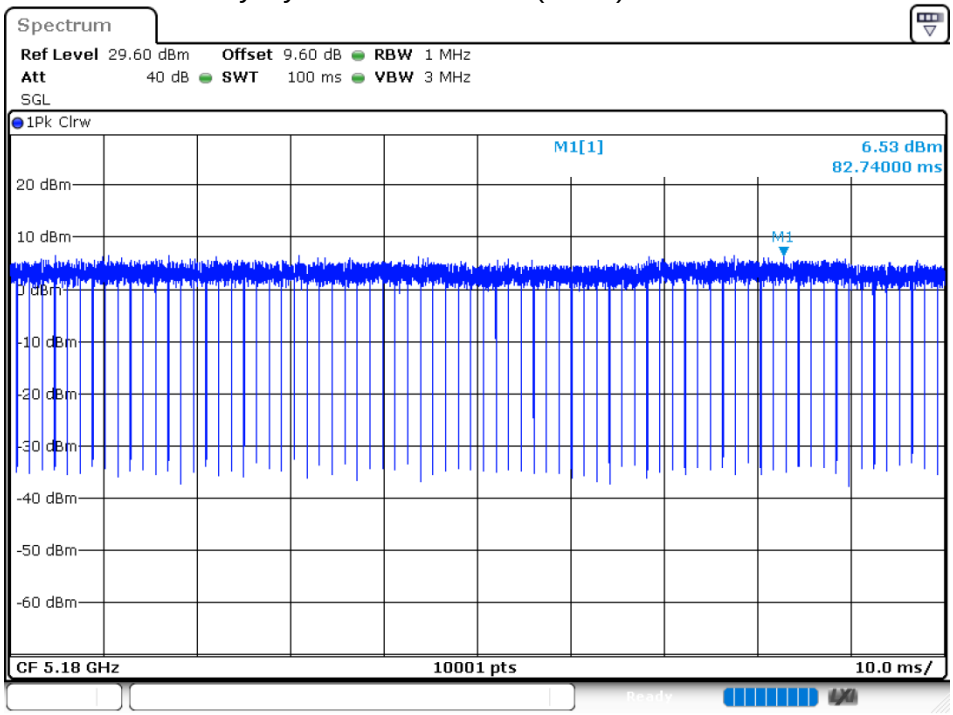
Duty Cycle NVNT 802.11ac40 5230MHz



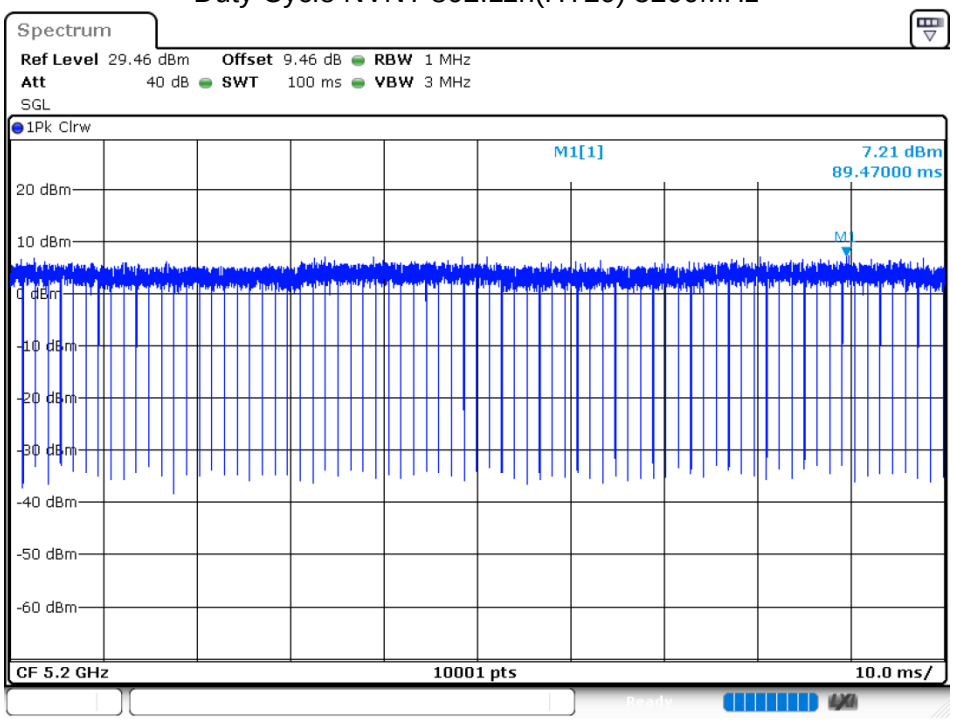
Duty Cycle NVNT 802.11ac80 5210MHz



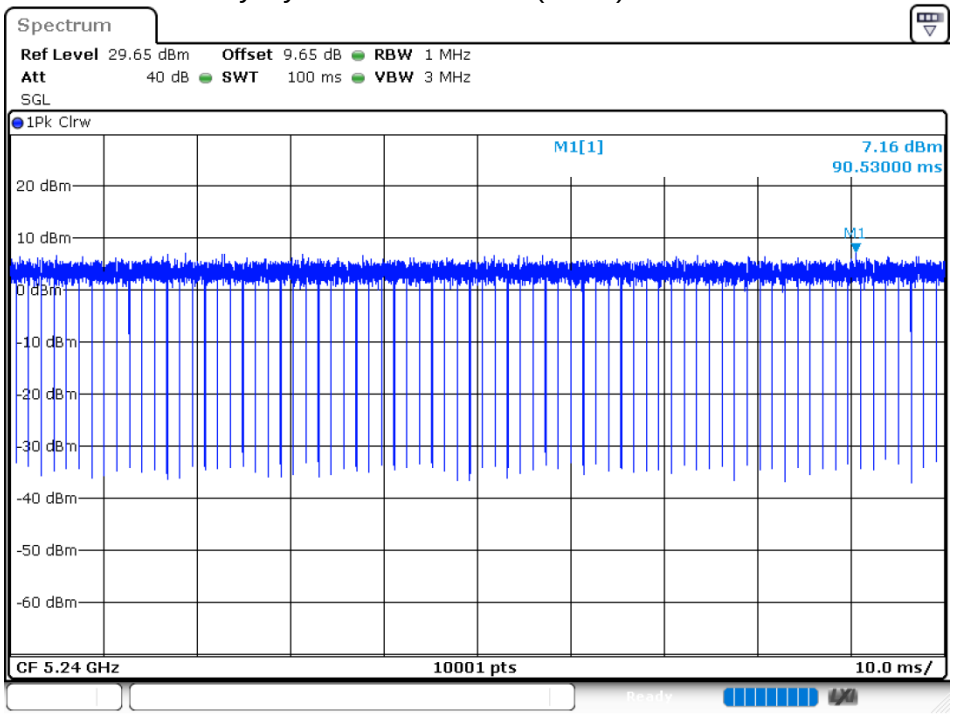
Duty Cycle NVNT 802.11n(HT20) 5180MHz



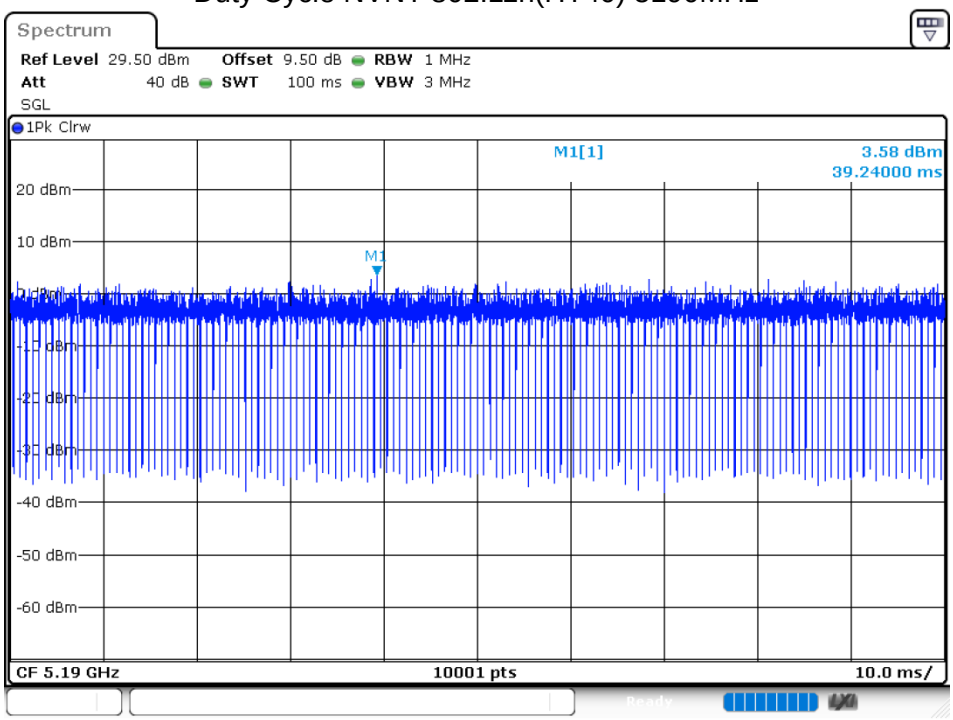
Duty Cycle NVNT 802.11n(HT20) 5200MHz



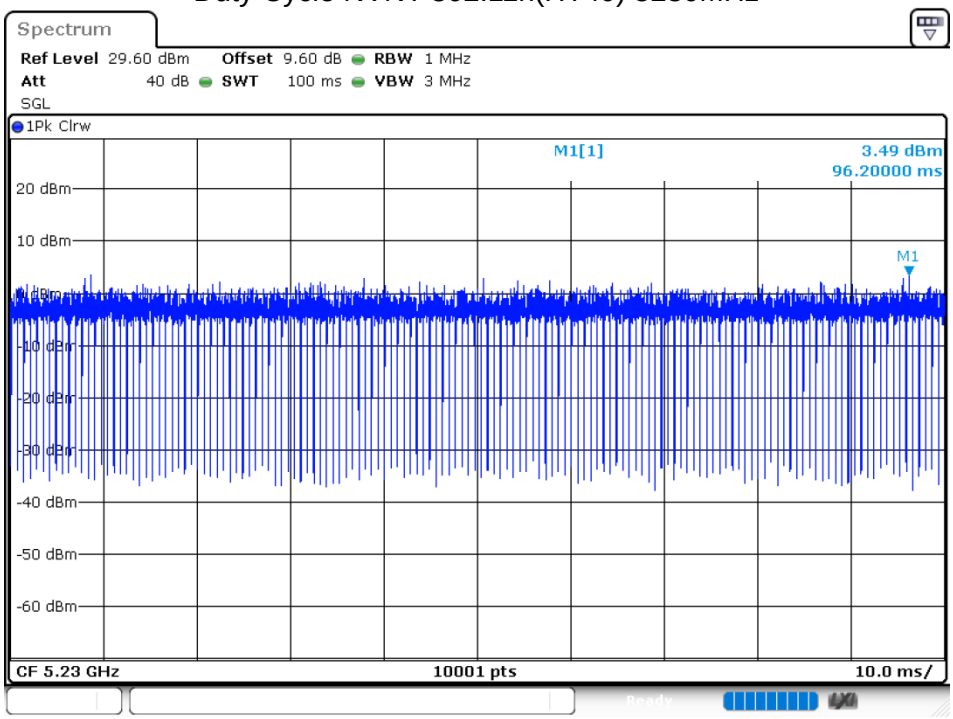
Duty Cycle NVNT 802.11n(HT20) 5240MHz



Duty Cycle NVNT 802.11n(HT40) 5190MHz



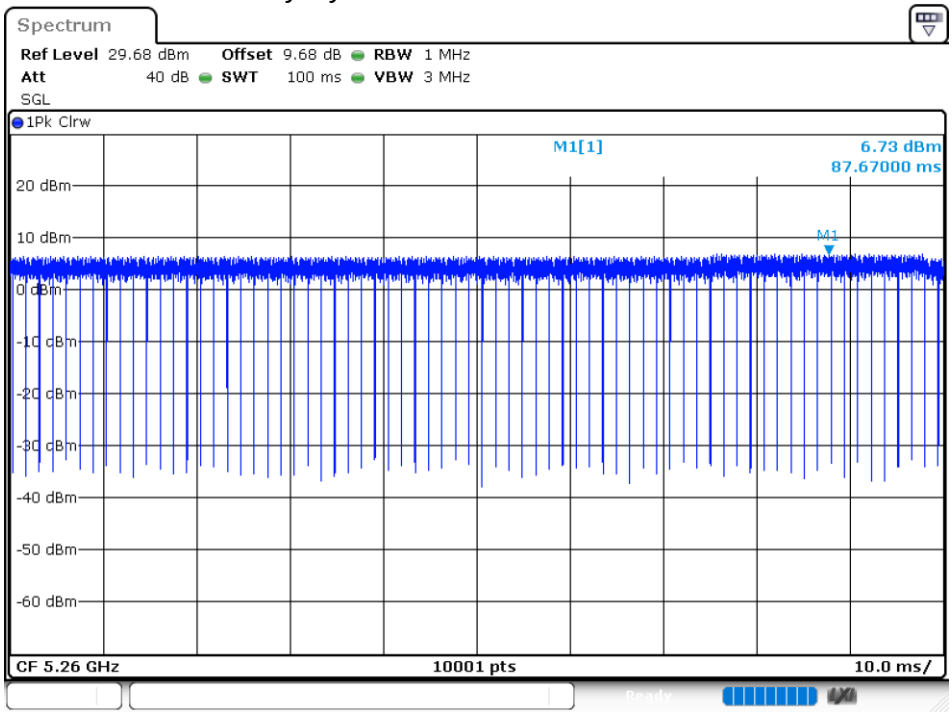
Duty Cycle NVNT 802.11n(HT40) 5230MHz



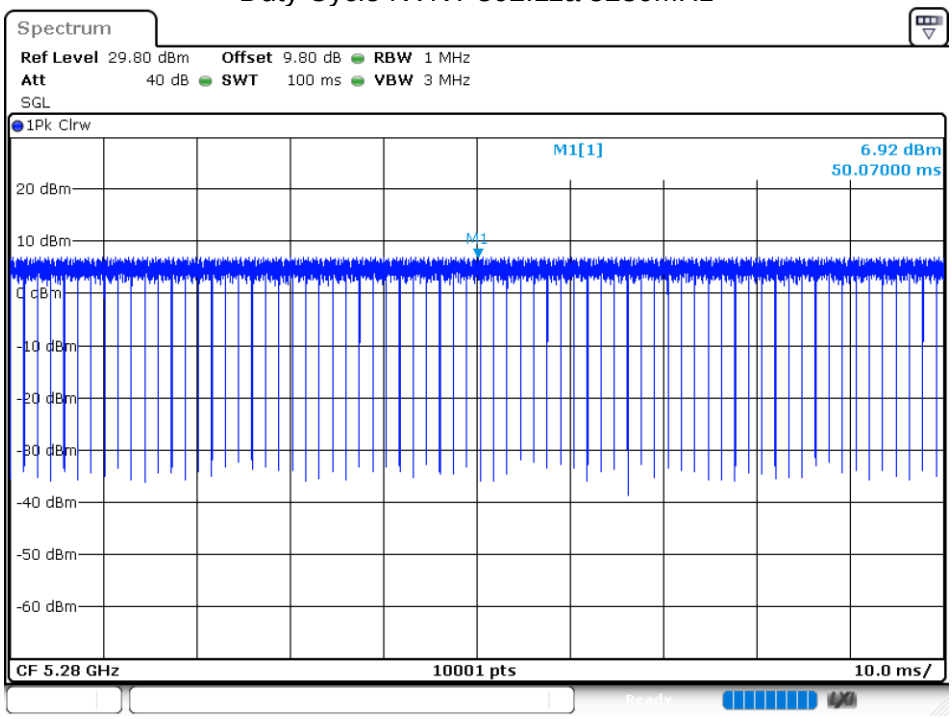
5.3G

Condition	Mode	Frequency (MHz)	Duty Cycle (%)
NVNT	802.11a	5260	100
NVNT	802.11a	5280	100
NVNT	802.11a	5320	100
NVNT	802.11ac20	5260	100
NVNT	802.11ac20	5280	100
NVNT	802.11ac20	5320	100
NVNT	802.11ac40	5270	100
NVNT	802.11ac40	5310	100
NVNT	802.11ac80	5290	100
NVNT	802.11n(HT20)	5260	100
NVNT	802.11n(HT20)	5280	100
NVNT	802.11n(HT20)	5320	100
NVNT	802.11n(HT40)	5270	100
NVNT	802.11n(HT40)	5310	100

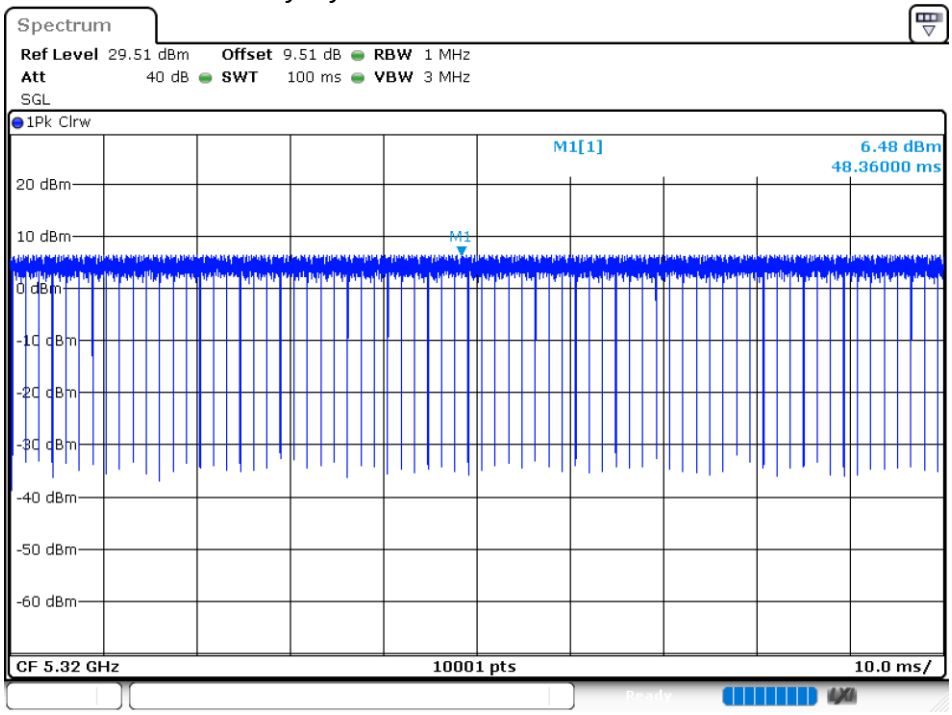
Duty Cycle NVNT 802.11a 5260MHz



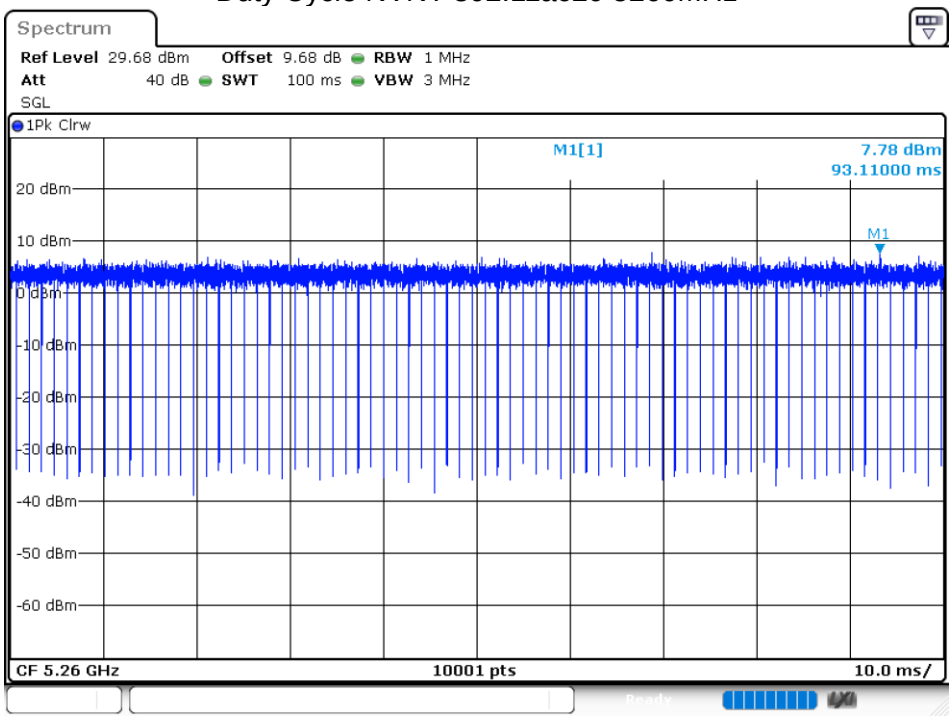
Duty Cycle NVNT 802.11a 5280MHz



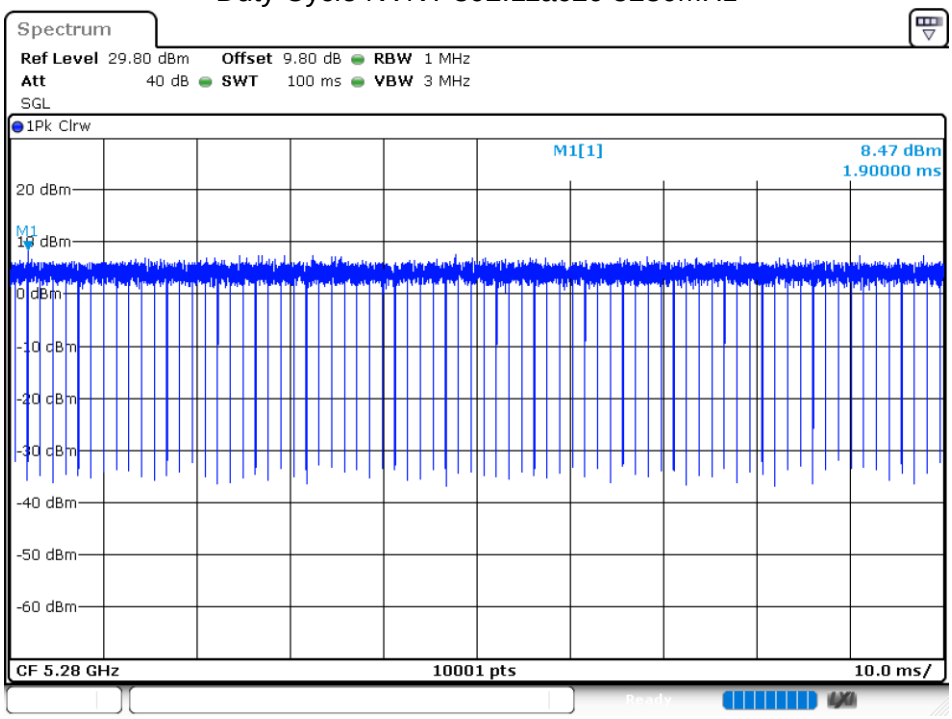
Duty Cycle NVNT 802.11a 5320MHz



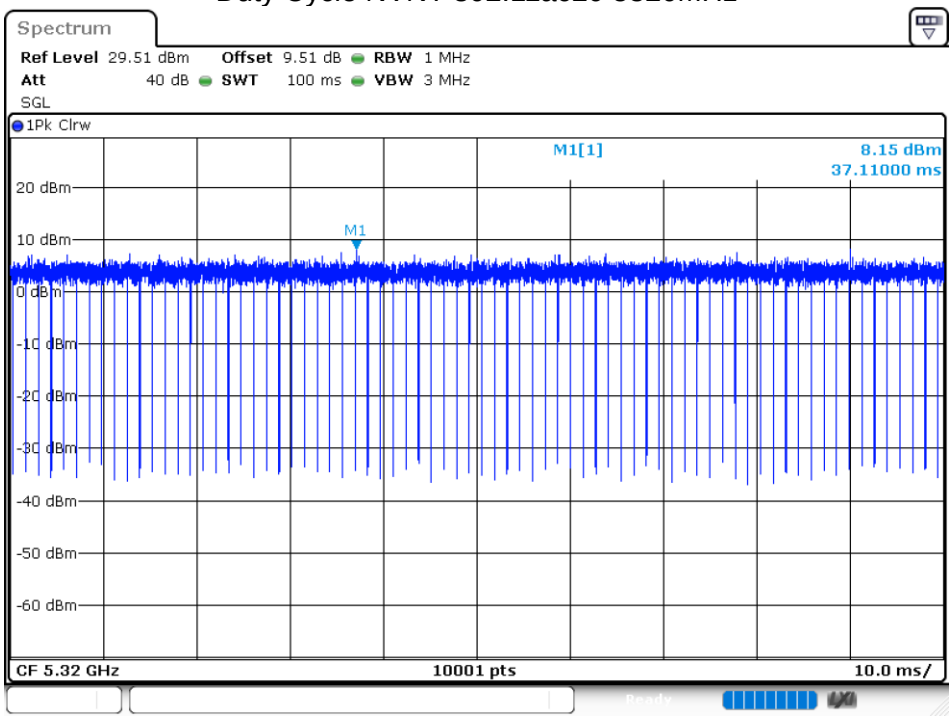
Duty Cycle NVNT 802.11ac20 5260MHz



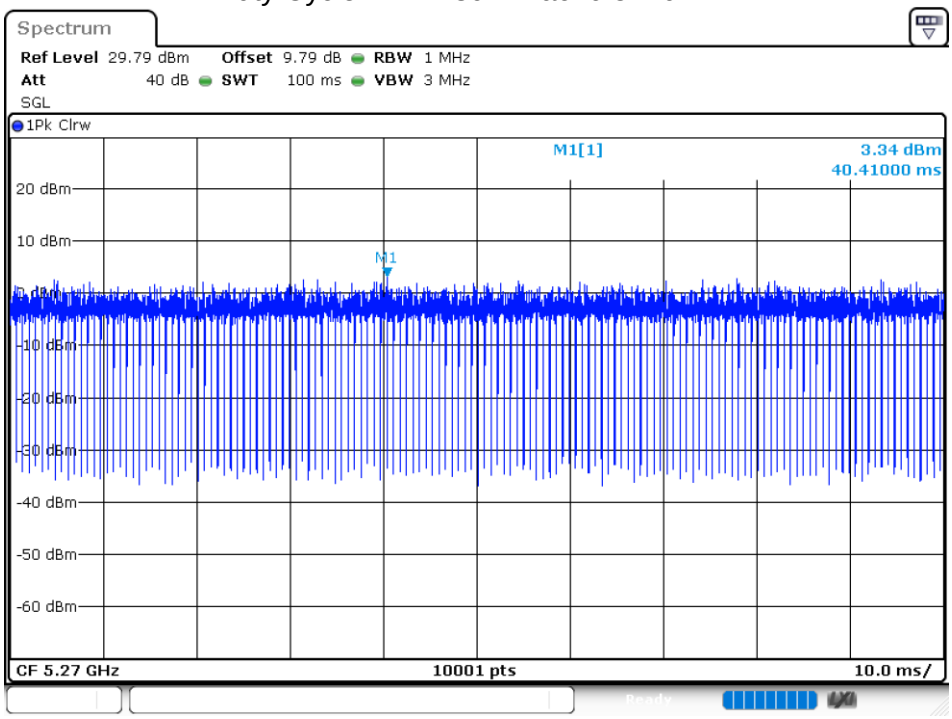
Duty Cycle NVNT 802.11ac20 5280MHz



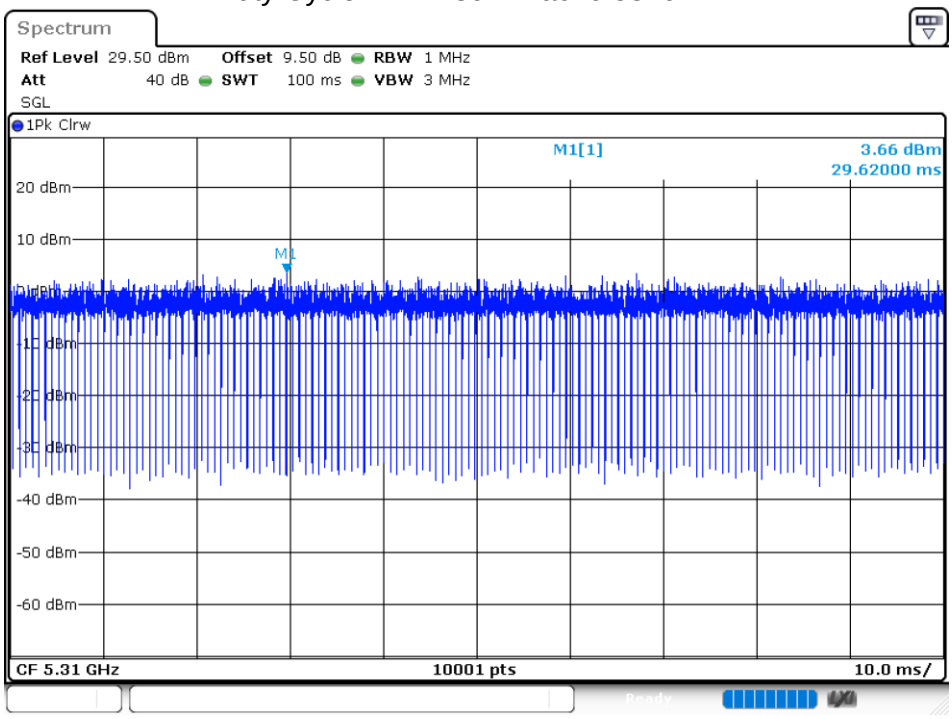
Duty Cycle NVNT 802.11ac20 5320MHz



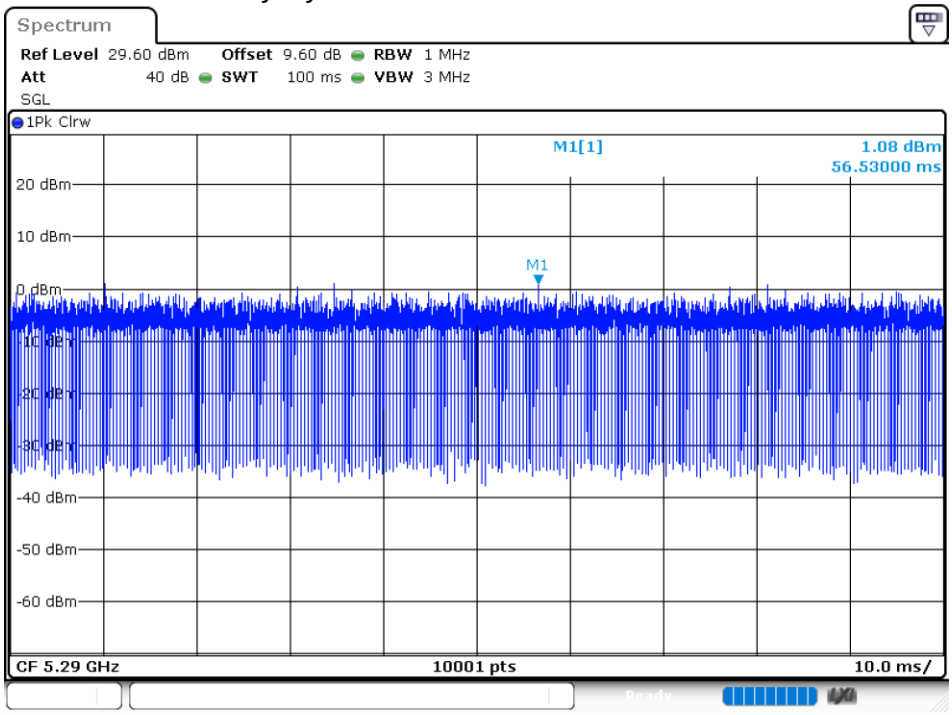
Duty Cycle NVNT 802.11ac40 5270MHz



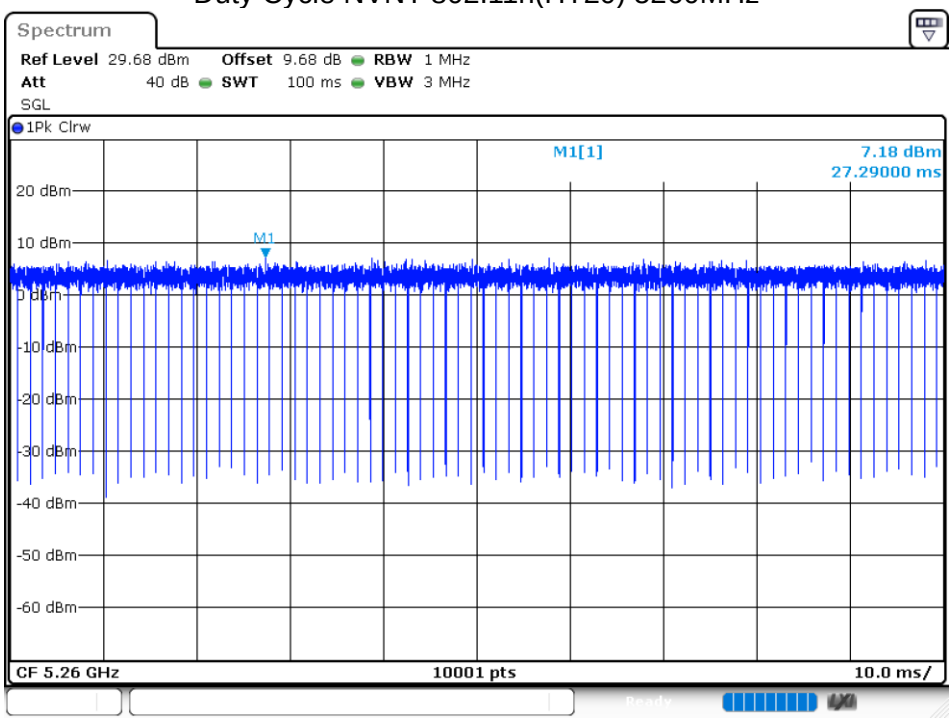
Duty Cycle NVNT 802.11ac40 5310MHz



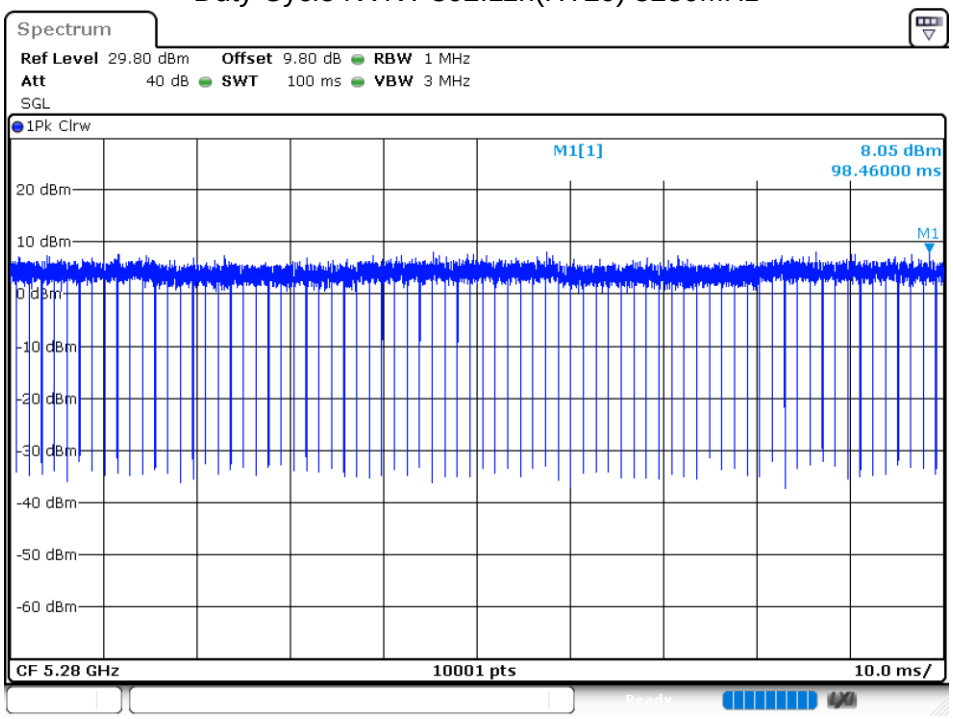
Duty Cycle NVNT 802.11ac80 5290MHz



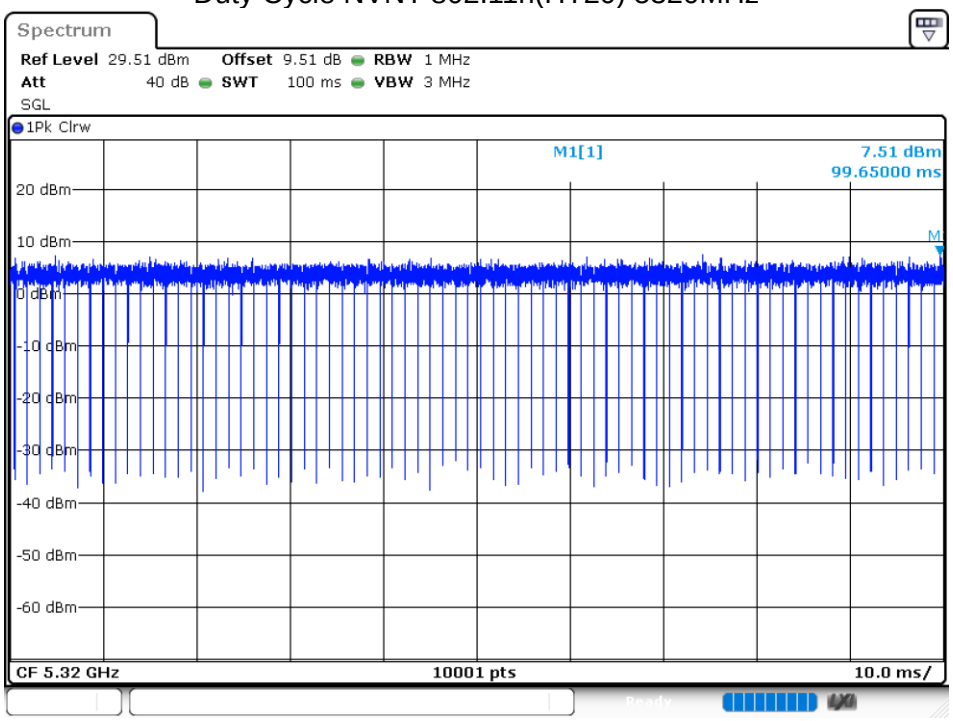
Duty Cycle NVNT 802.11n(HT20) 5260MHz



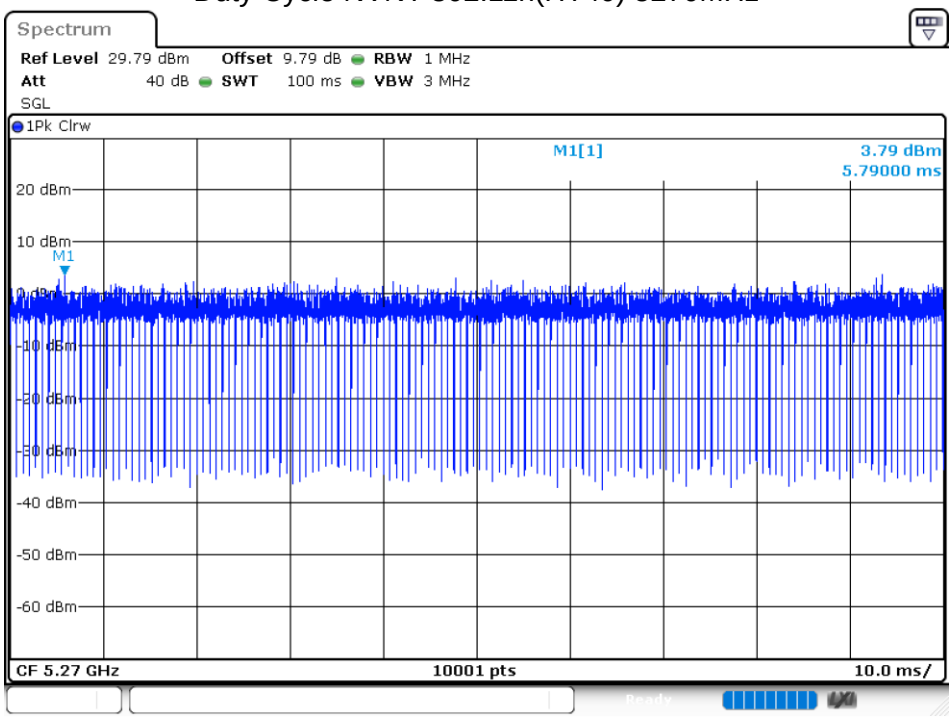
Duty Cycle NVNT 802.11n(HT20) 5280MHz



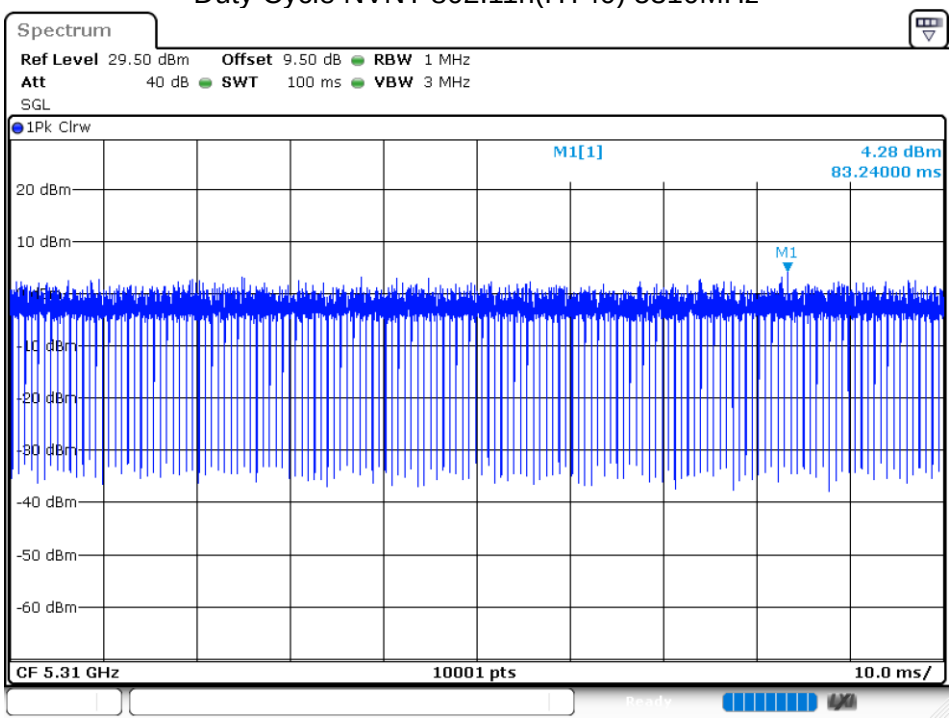
Duty Cycle NVNT 802.11n(HT20) 5320MHz



Duty Cycle NVNT 802.11n(HT40) 5270MHz



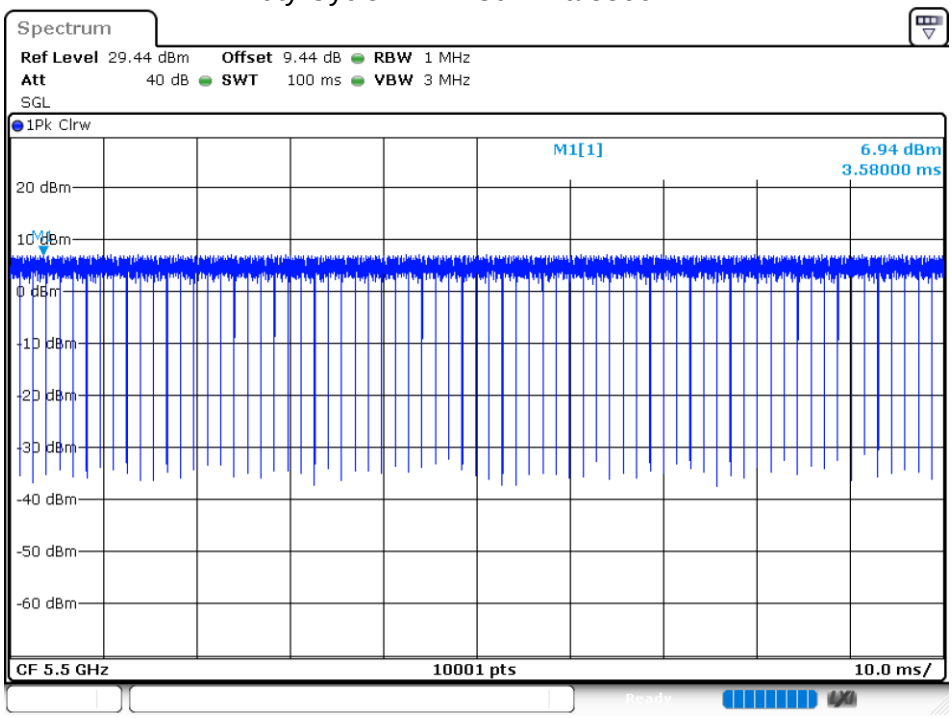
Duty Cycle NVNT 802.11n(HT40) 5310MHz



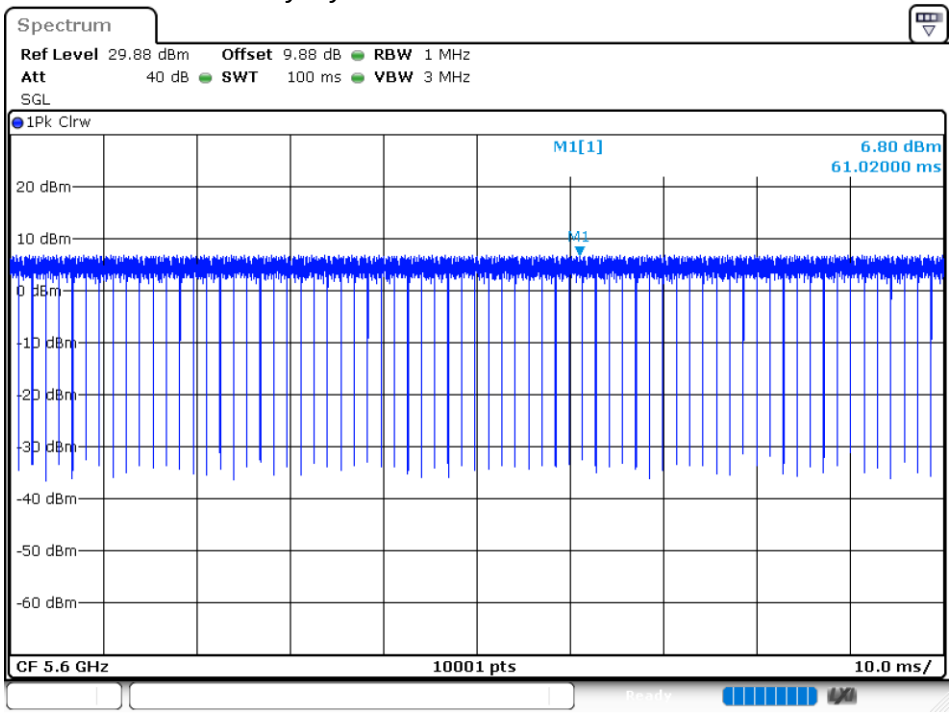
5.6G

Condition	Mode	Frequency (MHz)	Duty Cycle (%)
NVNT	802.11a	5500	100
NVNT	802.11a	5600	100
NVNT	802.11a	5700	100
NVNT	802.11ac20	5500	100
NVNT	802.11ac20	5600	100
NVNT	802.11ac20	5700	100
NVNT	802.11ac40	5510	100
NVNT	802.11ac40	5590	100
NVNT	802.11ac40	5670	100
NVNT	802.11ac80	5530	100
NVNT	802.11ac80	5610	100
NVNT	802.11n(HT20)	5500	100
NVNT	802.11n(HT20)	5600	100
NVNT	802.11n(HT20)	5700	100
NVNT	802.11n(HT40)	5510	100
NVNT	802.11n(HT40)	5590	100
NVNT	802.11n(HT40)	5670	100

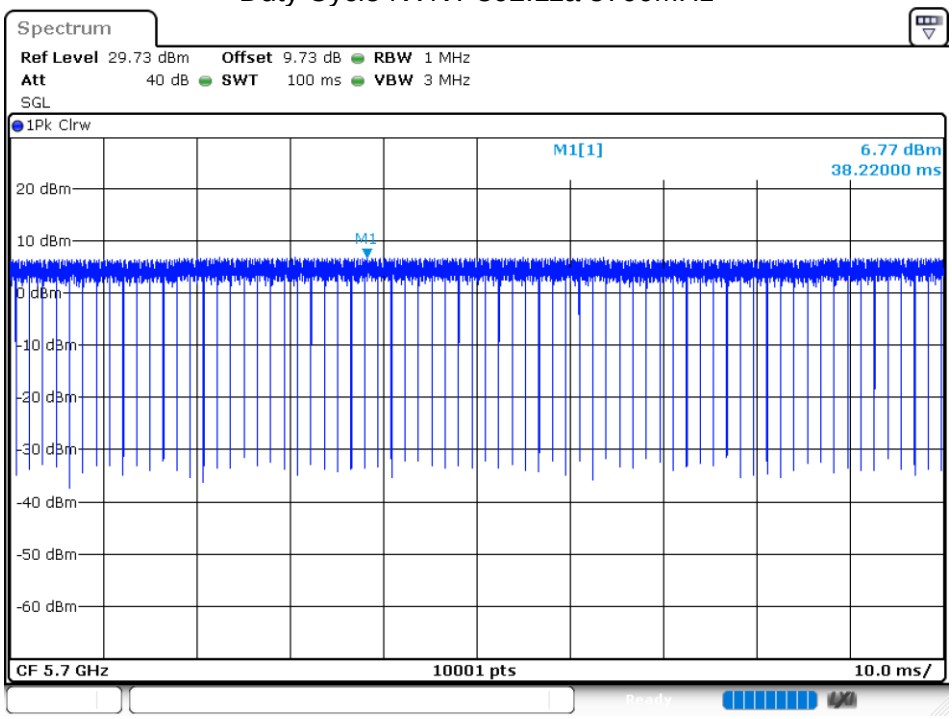
Duty Cycle NVNT 802.11a 5500MHz



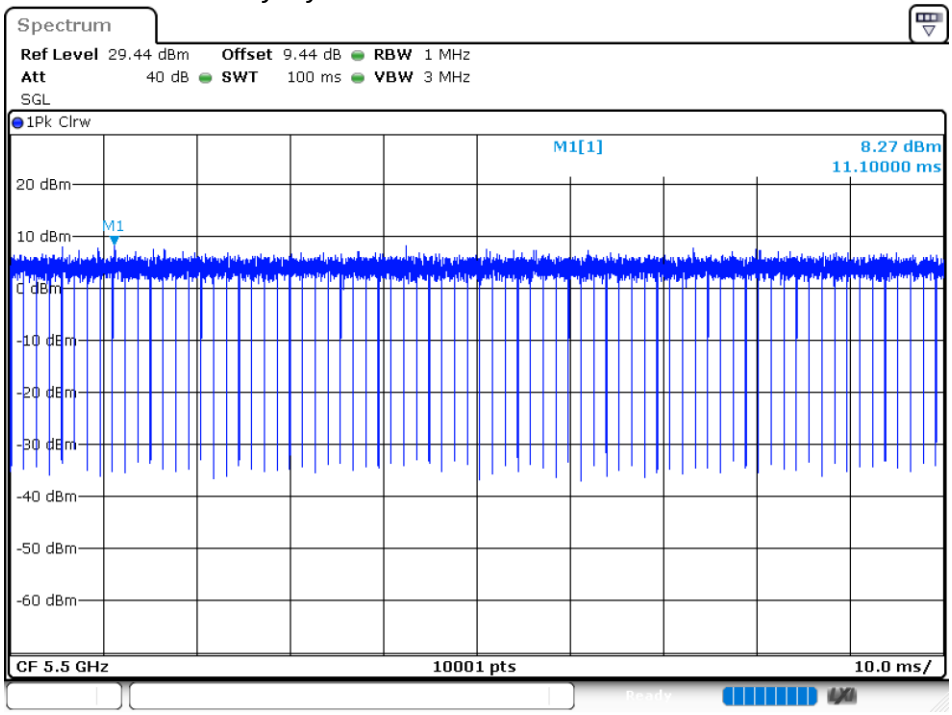
Duty Cycle NVNT 802.11a 5600MHz



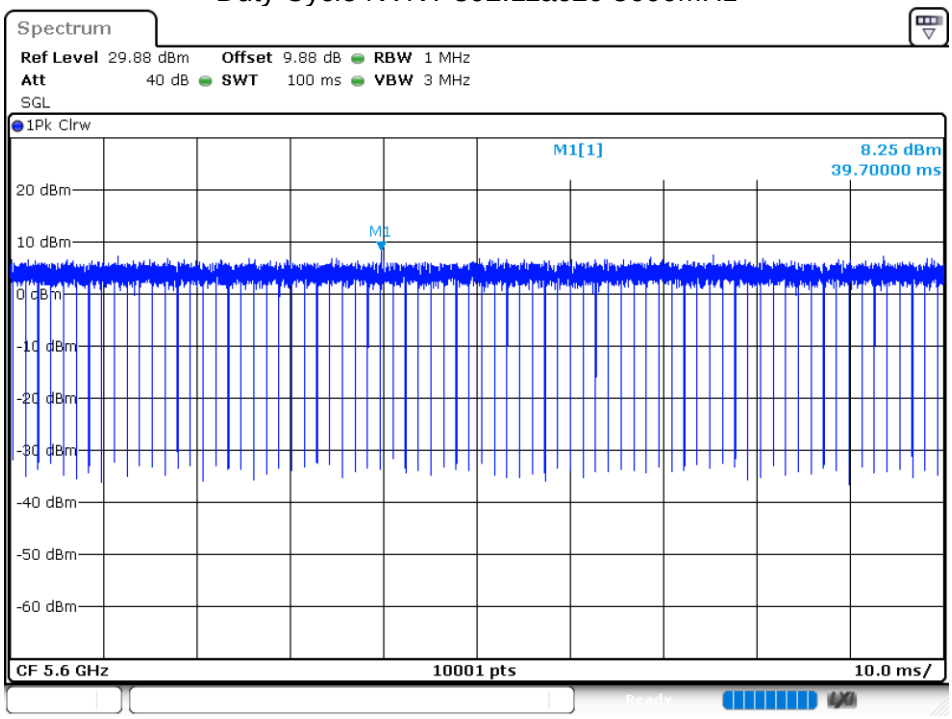
Duty Cycle NVNT 802.11a 5700MHz



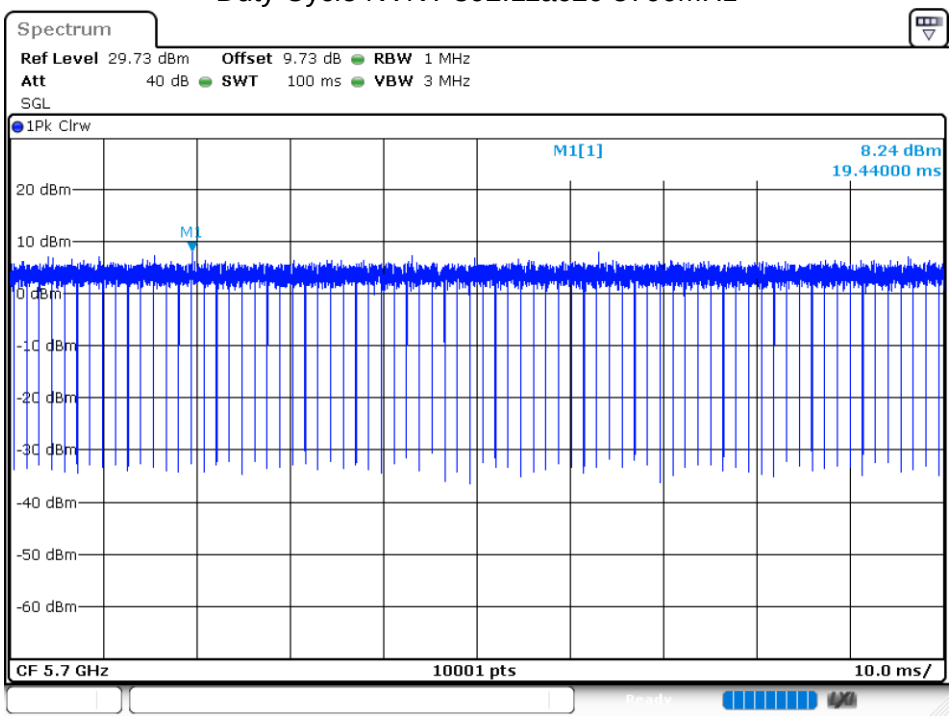
Duty Cycle NVNT 802.11ac20 5500MHz



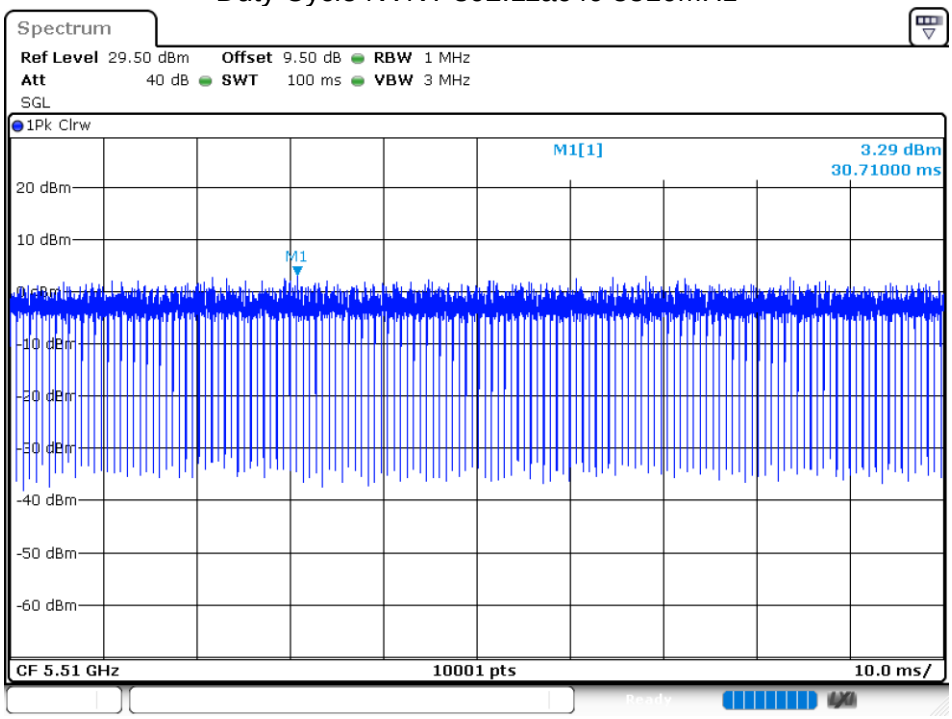
Duty Cycle NVNT 802.11ac20 5600MHz



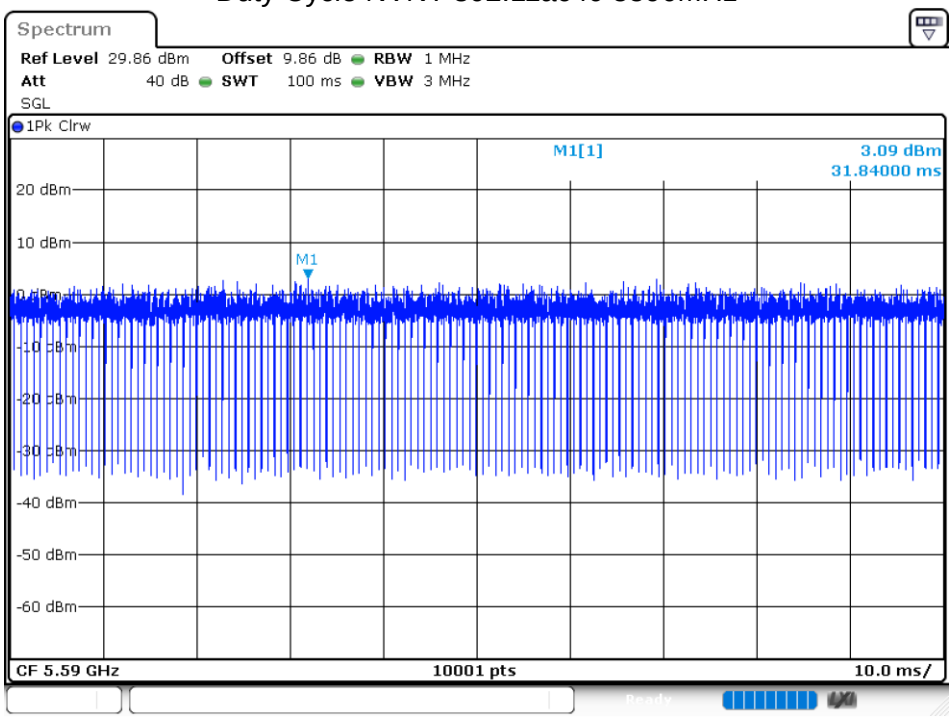
Duty Cycle NVNT 802.11ac20 5700MHz



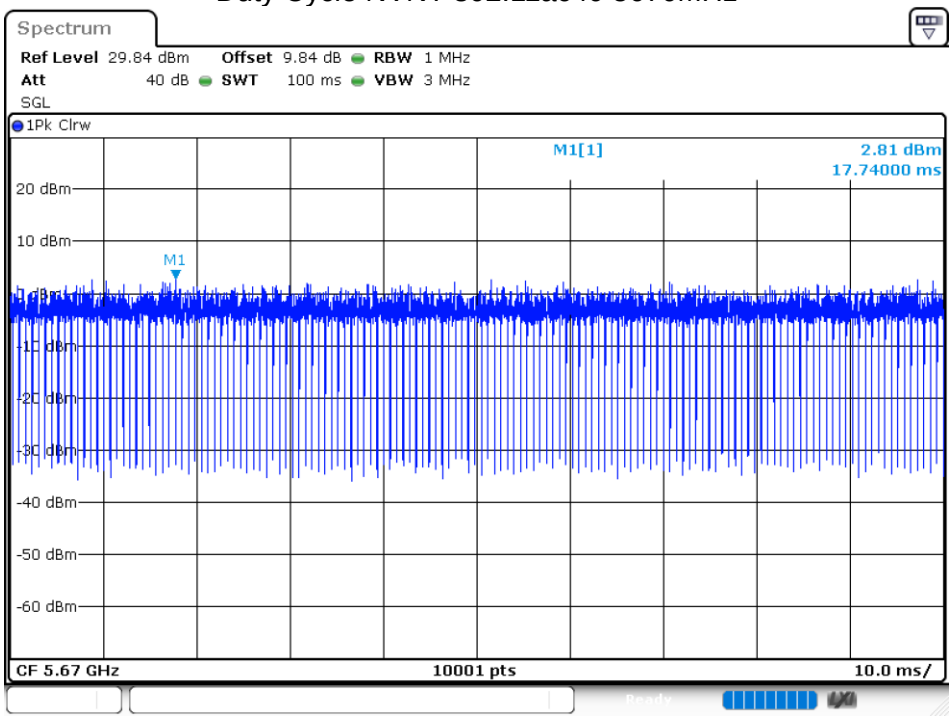
Duty Cycle NVNT 802.11ac40 5510MHz



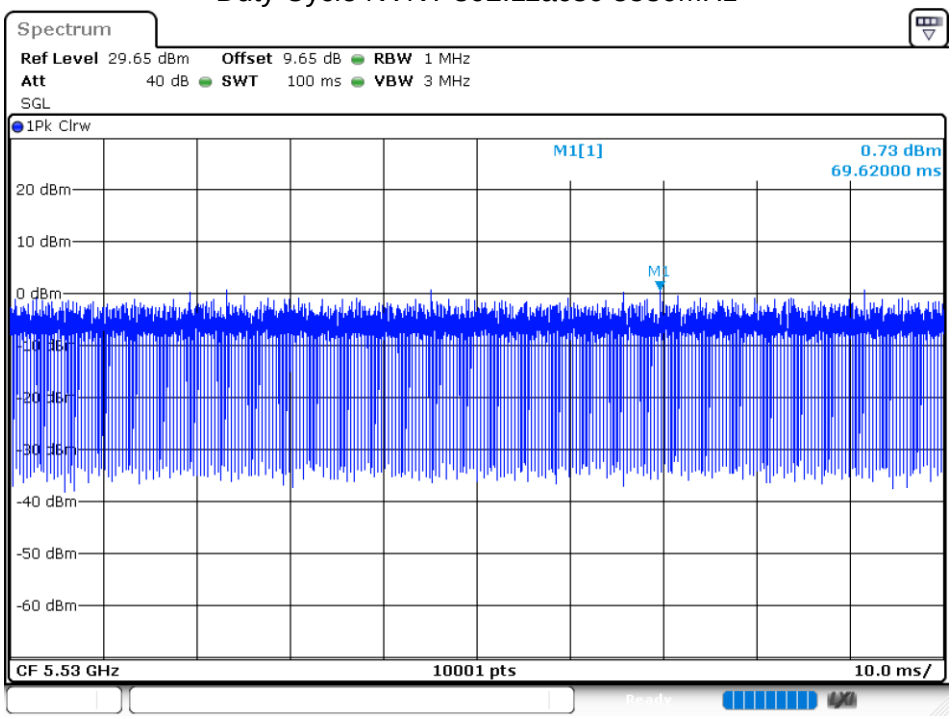
Duty Cycle NVNT 802.11ac40 5590MHz



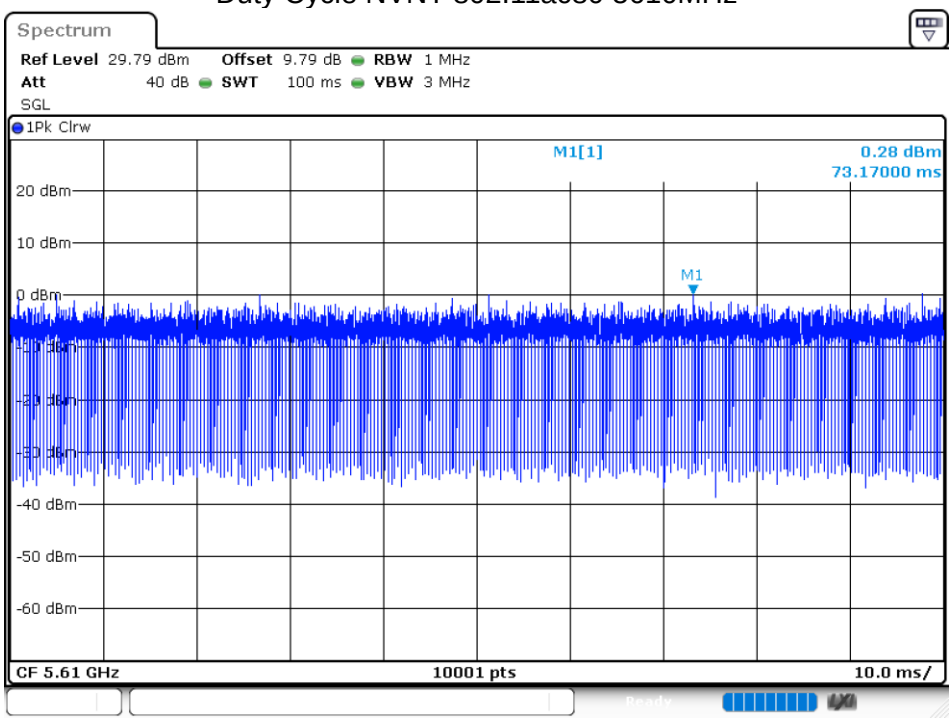
Duty Cycle NVNT 802.11ac40 5670MHz



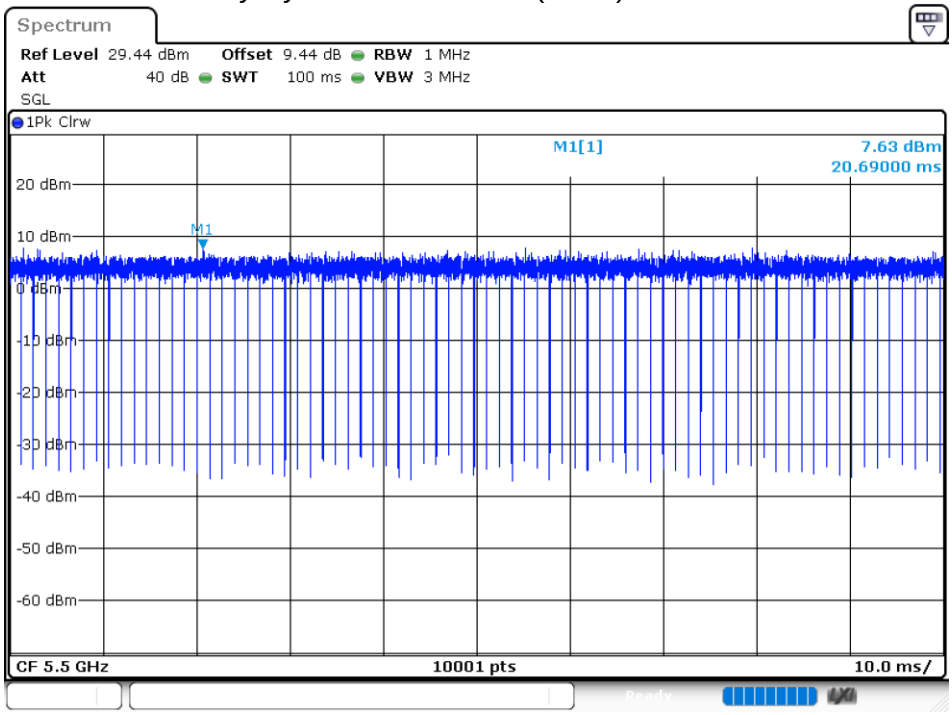
Duty Cycle NVNT 802.11ac80 5530MHz



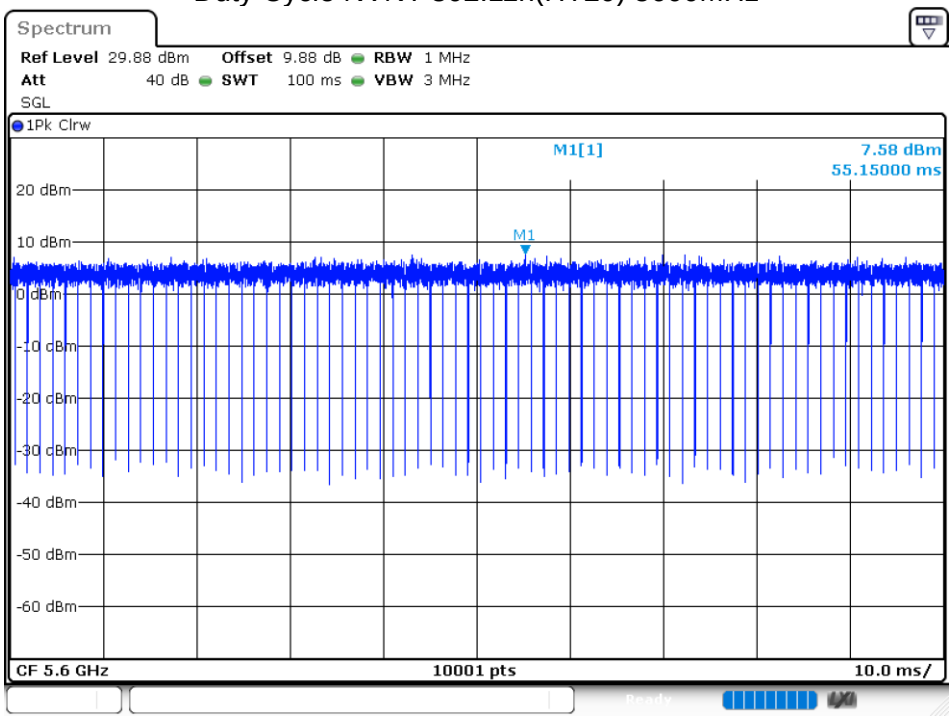
Duty Cycle NVNT 802.11ac80 5610MHz



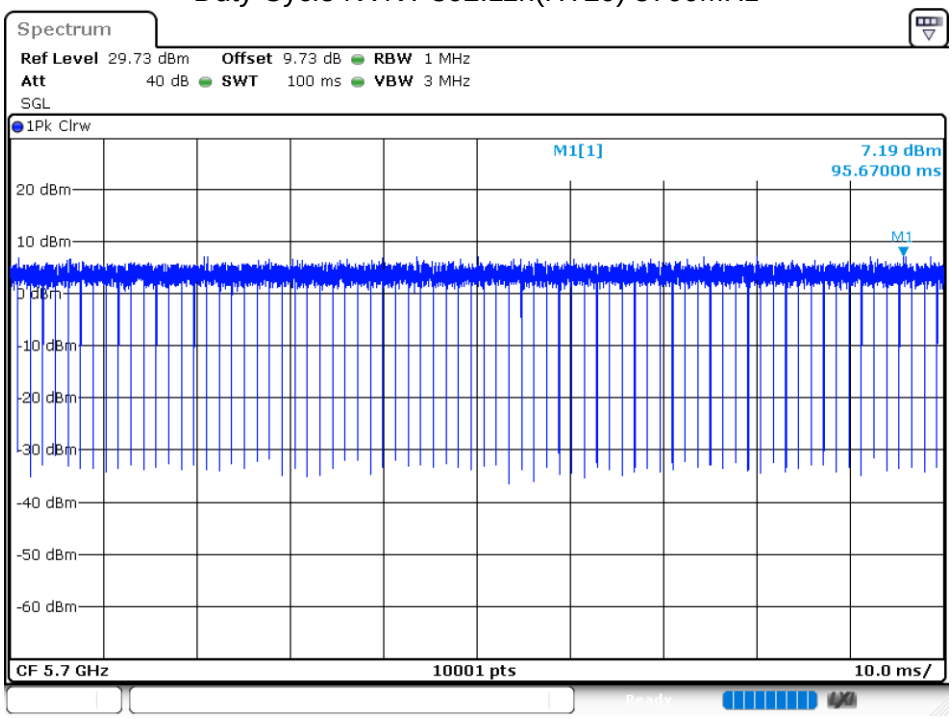
Duty Cycle NVNT 802.11n(HT20) 5500MHz



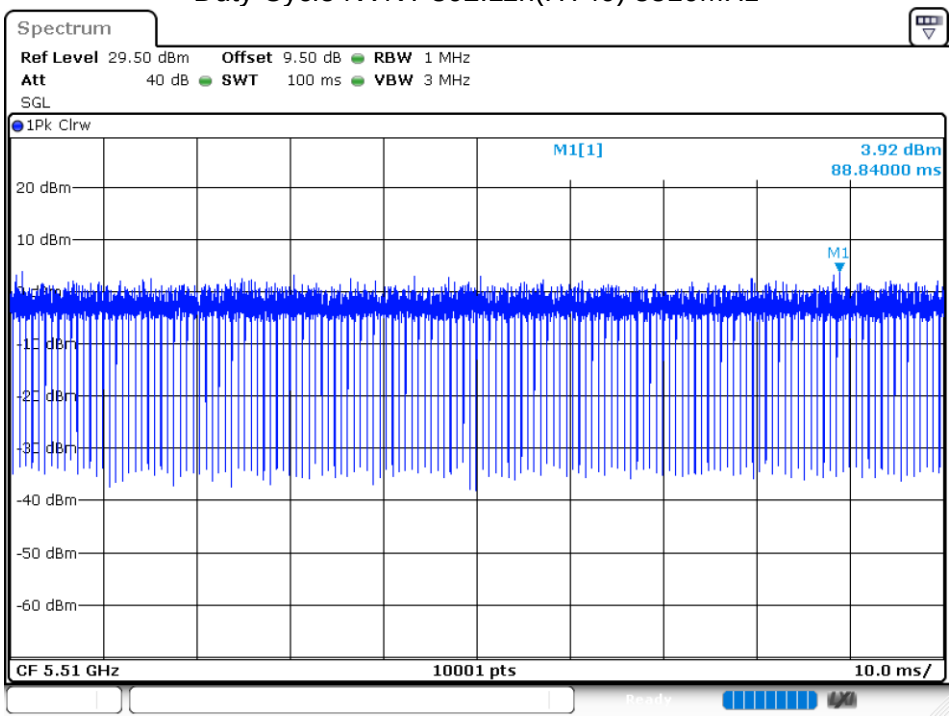
Duty Cycle NVNT 802.11n(HT20) 5600MHz



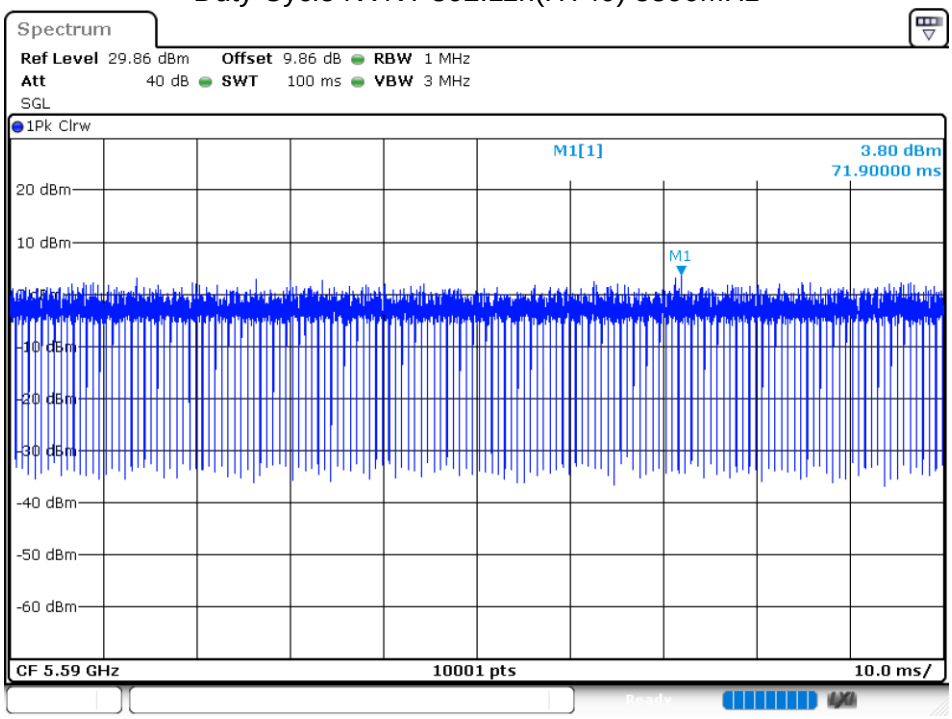
Duty Cycle NVNT 802.11n(HT20) 5700MHz



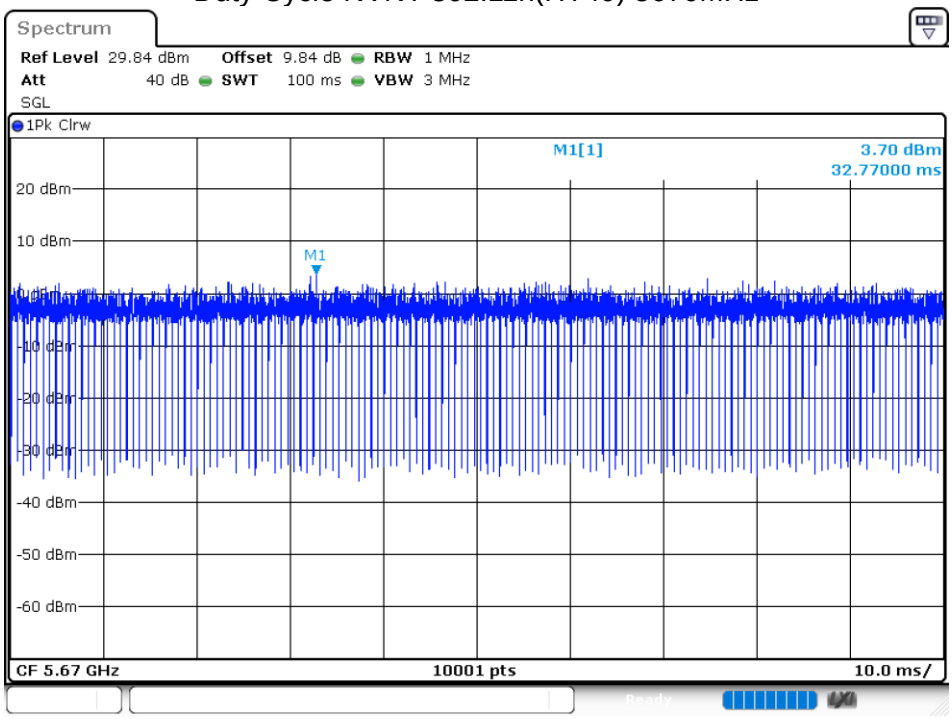
Duty Cycle NVNT 802.11n(HT40) 5510MHz



Duty Cycle NVNT 802.11n(HT40) 5590MHz



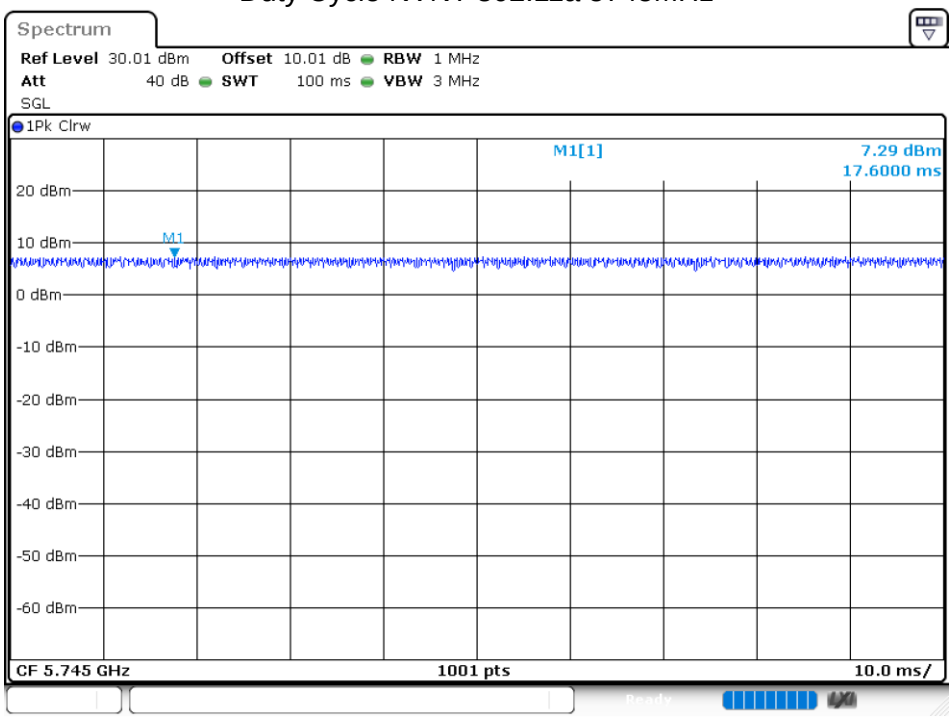
Duty Cycle NVNT 802.11n(HT40) 5670MHz



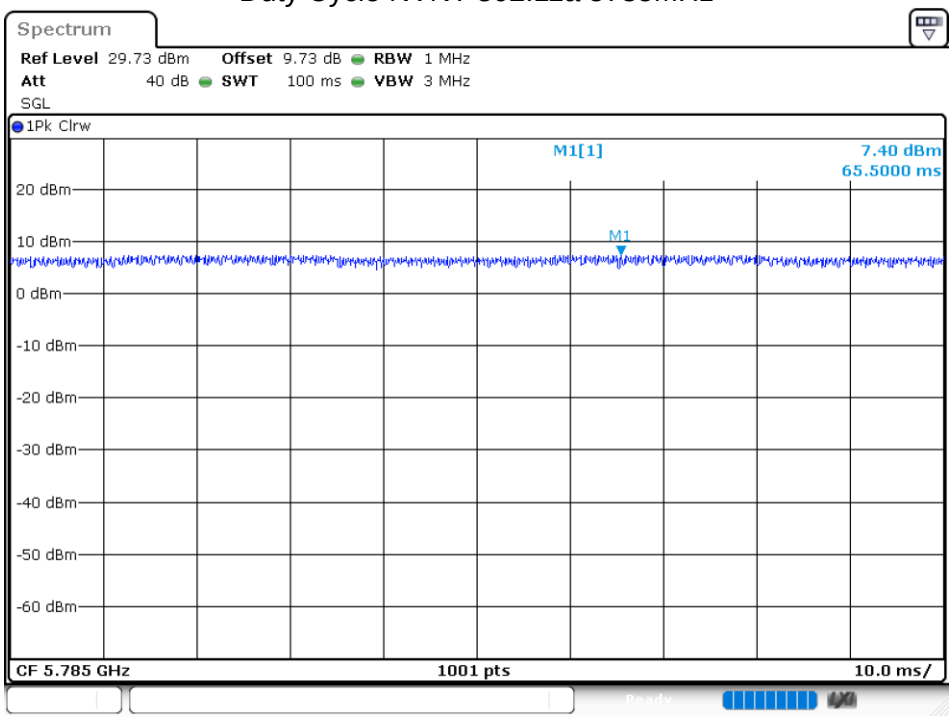
5.8G

Condition	Mode	Frequency (MHz)	Duty Cycle (%)
NVNT	802.11a	5745	100
NVNT	802.11a	5785	100
NVNT	802.11a	5825	100
NVNT	802.11ac20	5745	100
NVNT	802.11ac20	5785	100
NVNT	802.11ac20	5825	100
NVNT	802.11ac40	5755	100
NVNT	802.11ac40	5795	100
NVNT	802.11ac80	5775	100
NVNT	802.11n(HT20)	5745	100
NVNT	802.11n(HT20)	5785	100
NVNT	802.11n(HT20)	5825	100
NVNT	802.11n(HT40)	5755	100
NVNT	802.11n(HT40)	5795	100

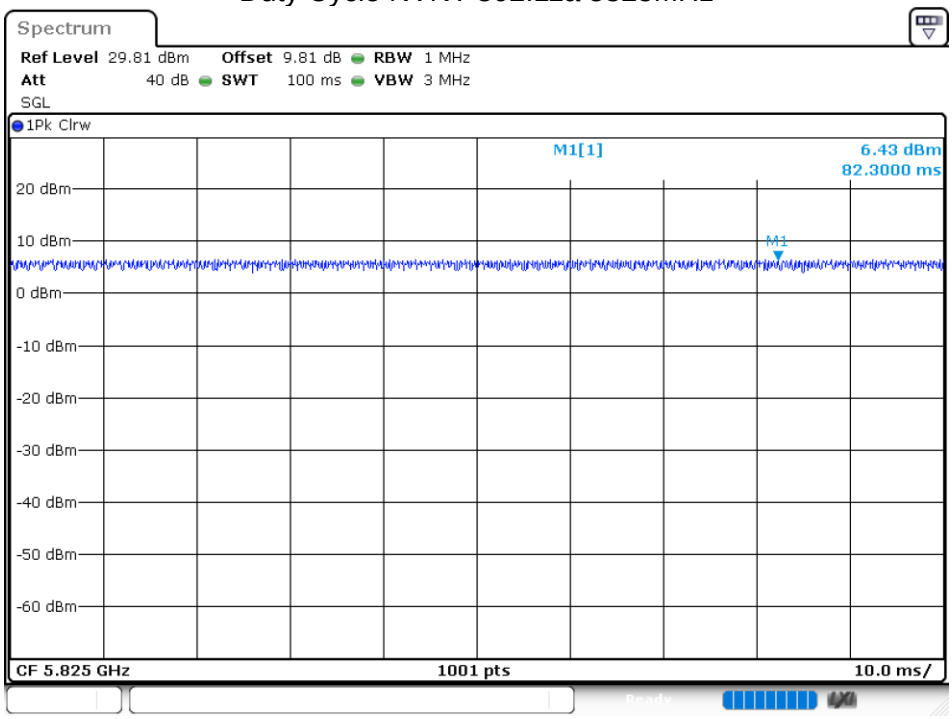
Duty Cycle NVNT 802.11a 5745MHz



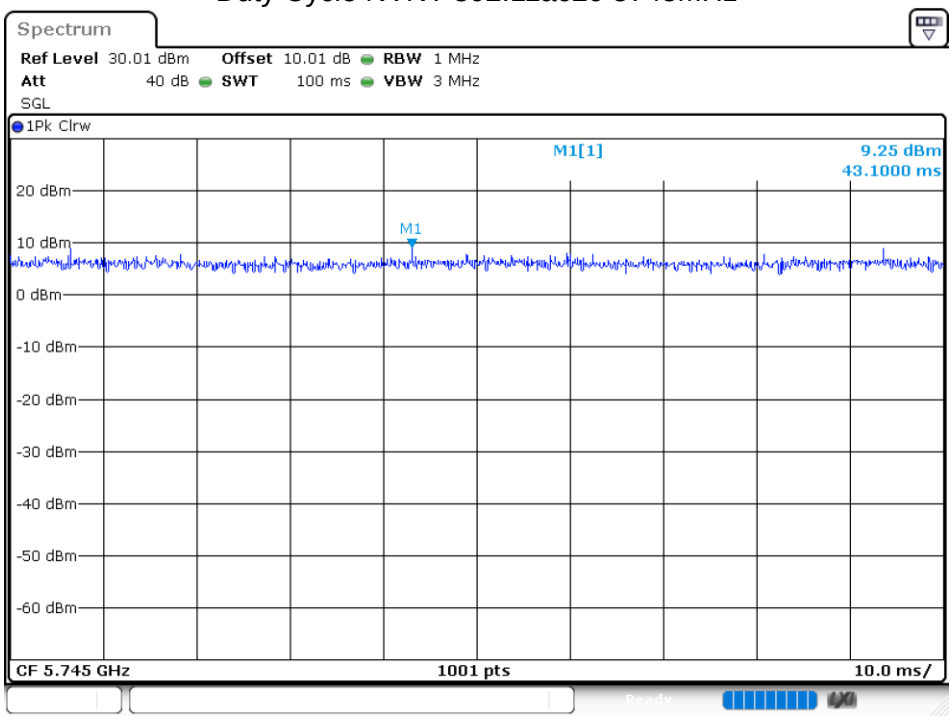
Duty Cycle NVNT 802.11a 5785MHz



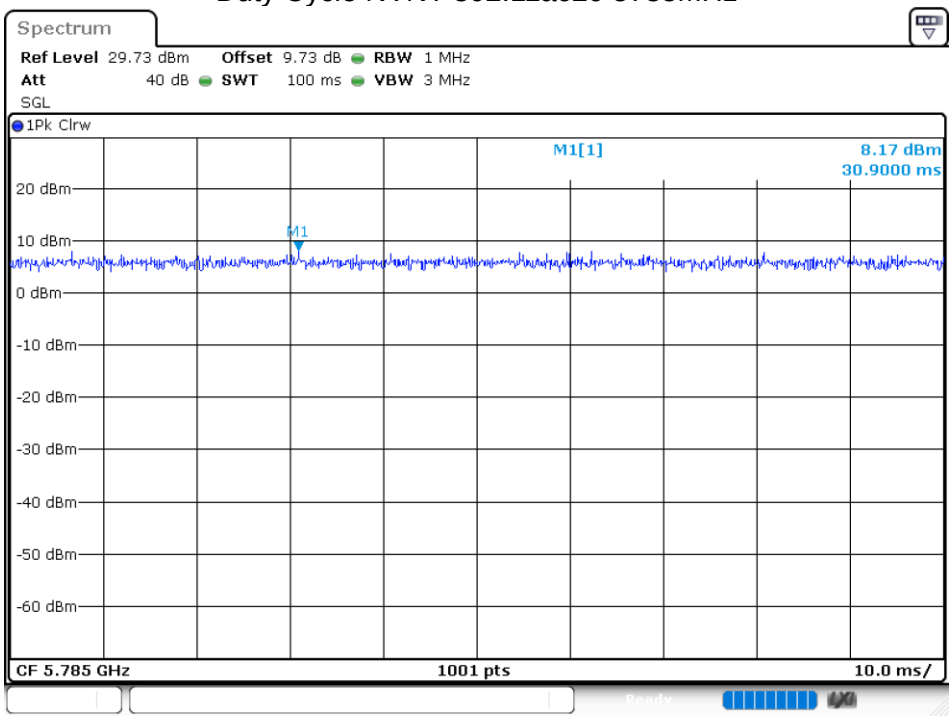
Duty Cycle NVNT 802.11a 5825MHz



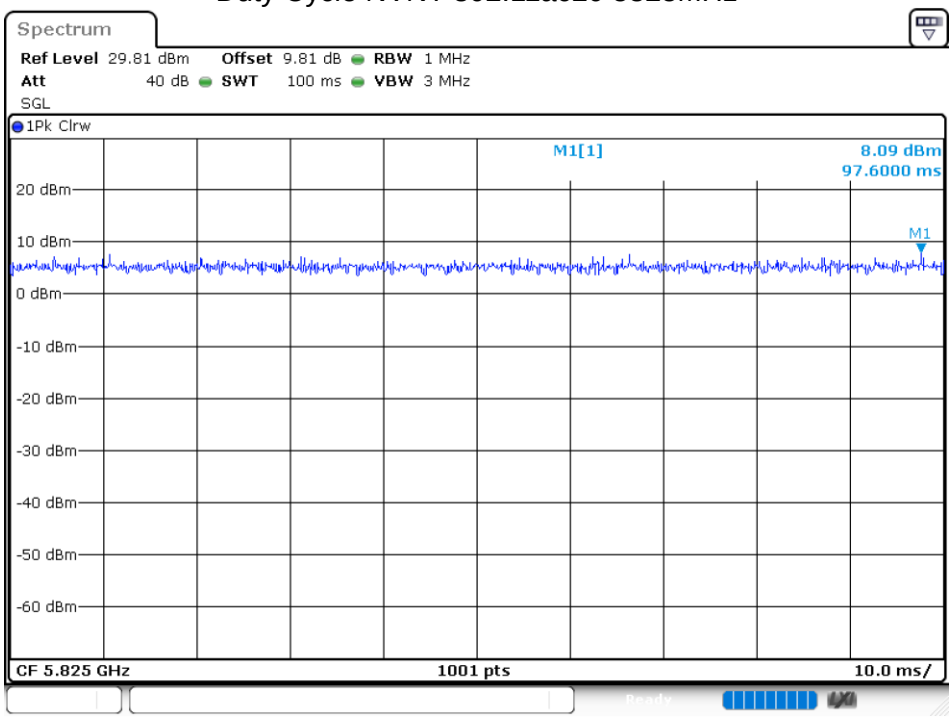
Duty Cycle NVNT 802.11ac20 5745MHz



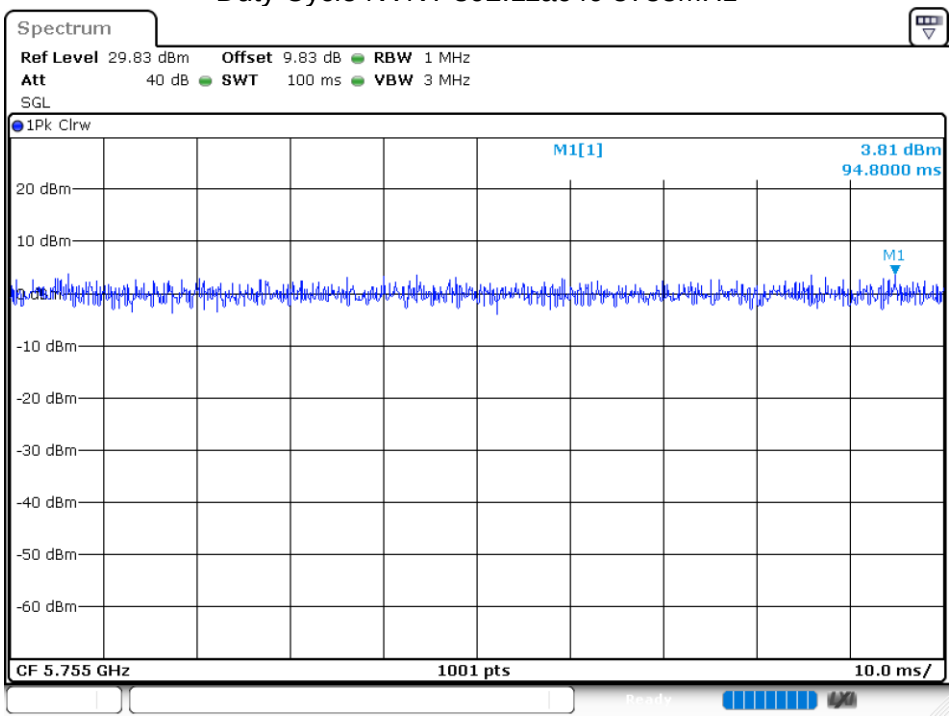
Duty Cycle NVNT 802.11ac20 5785MHz



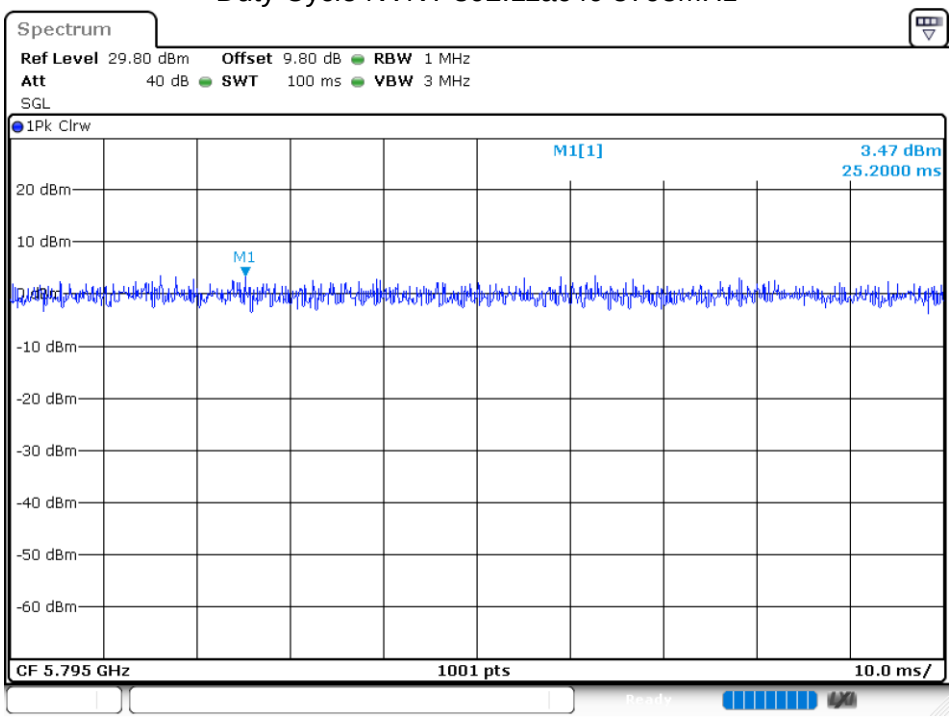
Duty Cycle NVNT 802.11ac20 5825MHz



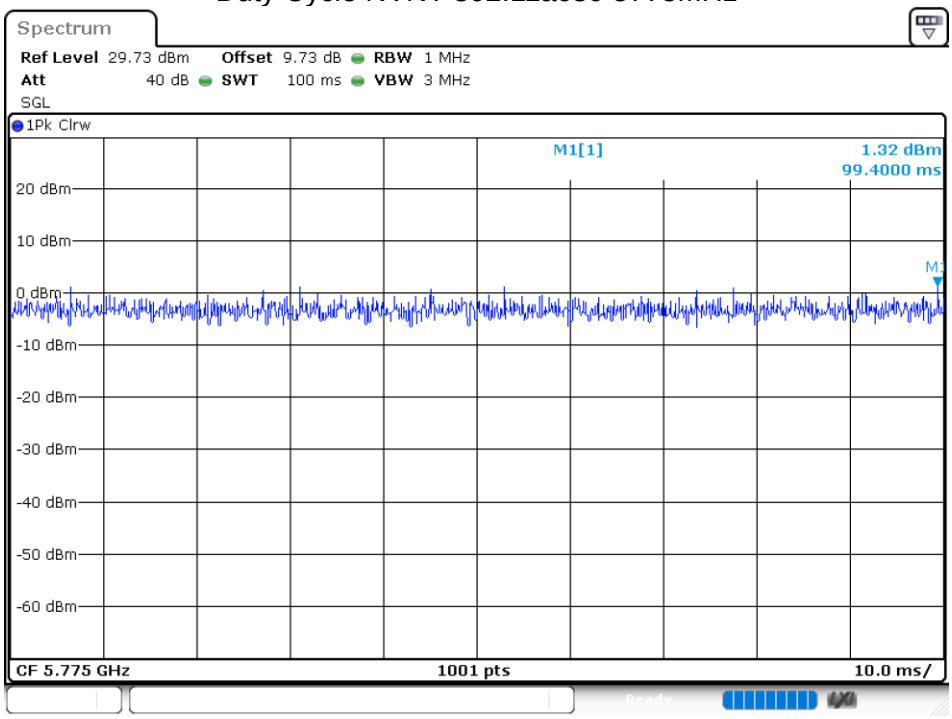
Duty Cycle NVNT 802.11ac40 5755MHz



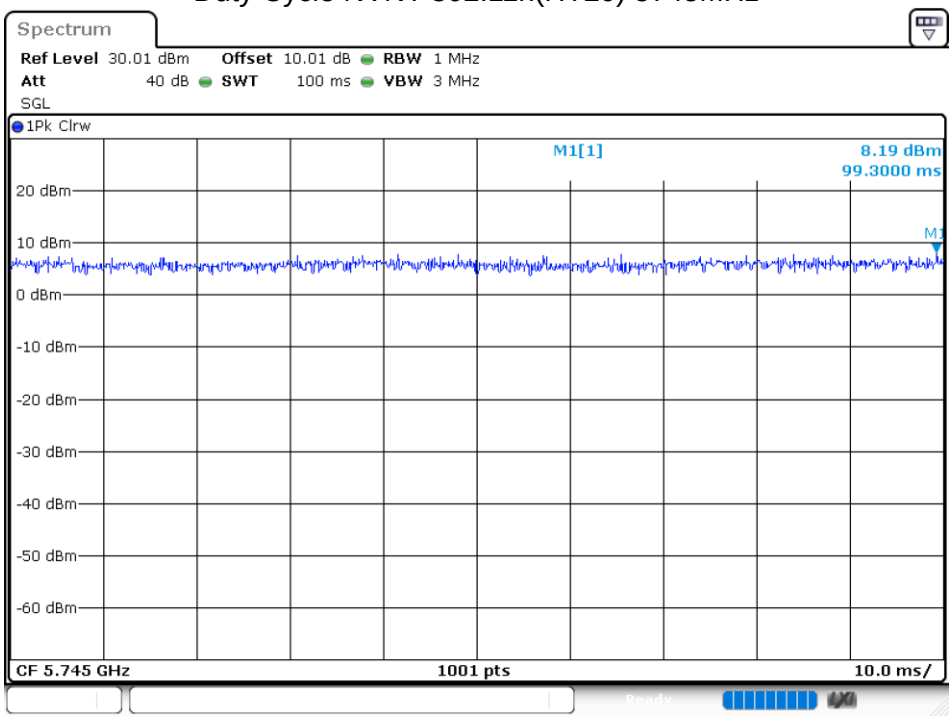
Duty Cycle NVNT 802.11ac40 5795MHz



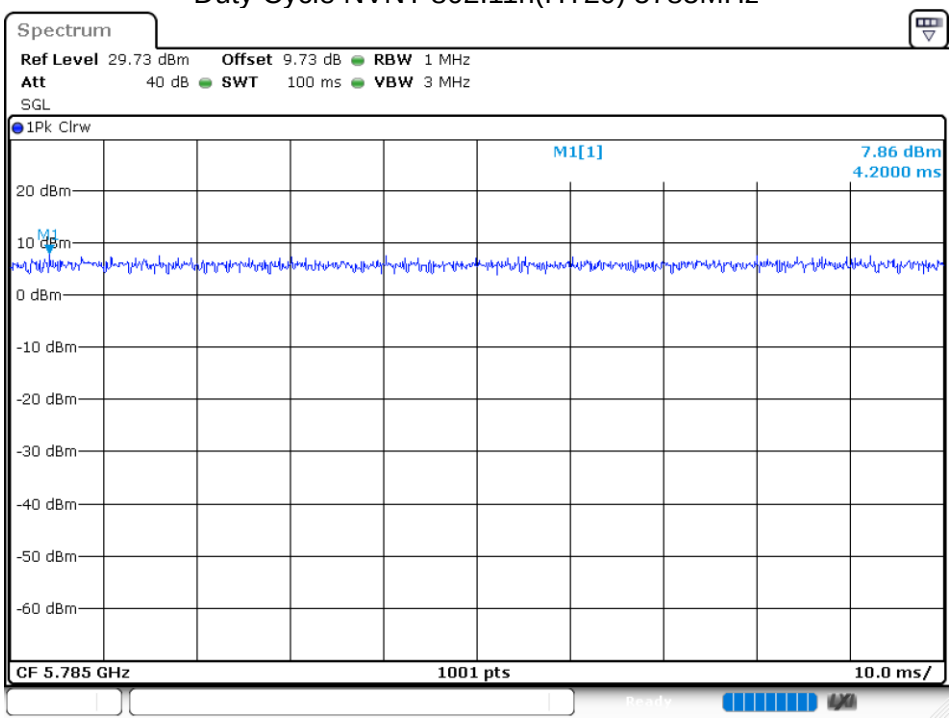
Duty Cycle NVNT 802.11ac80 5775MHz



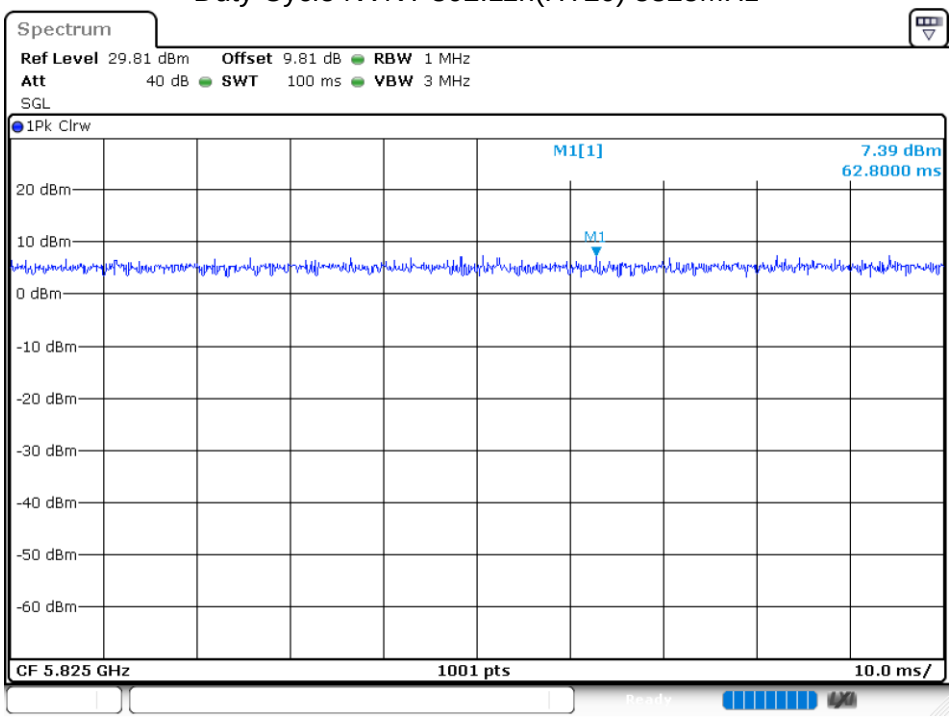
Duty Cycle NVNT 802.11n(HT20) 5745MHz



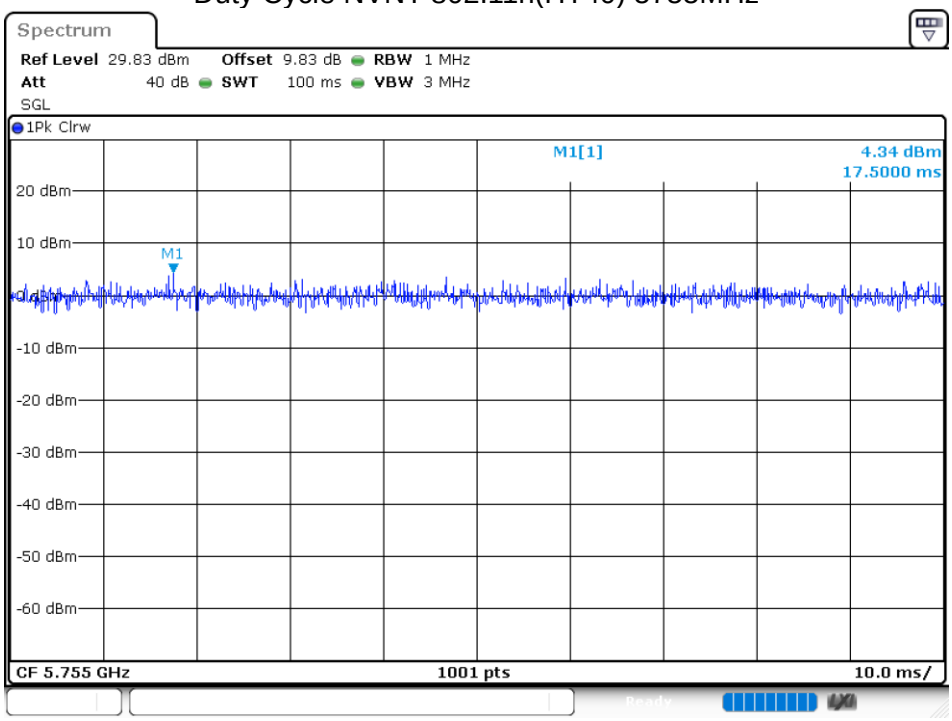
Duty Cycle NVNT 802.11n(HT20) 5785MHz



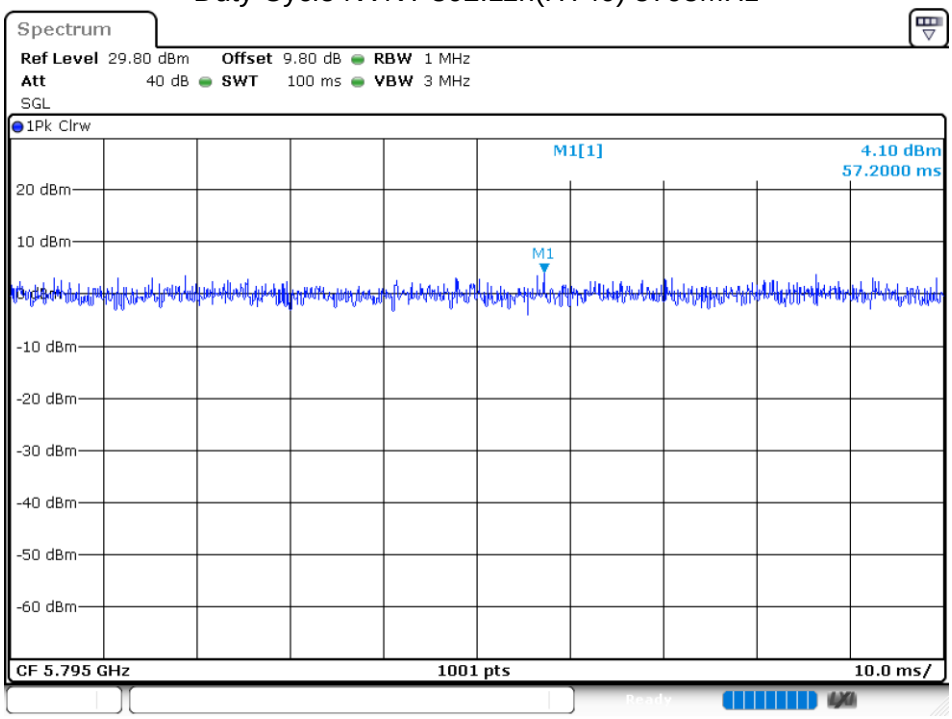
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



Duty Cycle NVNT 802.11n(HT40) 5795MHz



13.2 MAXIMUM CONDUCTED OUTPUT POWER

5.2G

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	8.55	0	8.55	24	Pass
NVNT	802.11a	5200	Ant 1	8.88	0	8.88	24	Pass
NVNT	802.11a	5240	Ant 1	8.83	0	8.83	24	Pass
NVNT	802.11ac20	5180	Ant 1	8.17	0	8.17	24	Pass
NVNT	802.11ac20	5200	Ant 1	8.7	0	8.7	24	Pass
NVNT	802.11ac20	5240	Ant 1	8.2	0	8.2	24	Pass
NVNT	802.11ac40	5190	Ant 1	8.44	0	8.44	24	Pass
NVNT	802.11ac40	5230	Ant 1	8.49	0	8.49	24	Pass
NVNT	802.11ac80	5210	Ant 1	8.09	0	8.09	24	Pass
NVNT	802.11n(HT20)	5180	Ant 1	8.14	0	8.14	24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	8.68	0	8.68	24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	8.2	0	8.2	24	Pass
NVNT	802.11n(HT40)	5190	Ant 1	8.54	0	8.54	24	Pass
NVNT	802.11n(HT40)	5230	Ant 1	8.51	0	8.51	24	Pass

5.3G

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5260	Ant 1	9.31	0	9.31	24	Pass
NVNT	802.11a	5280	Ant 1	9.46	0	9.46	24	Pass
NVNT	802.11a	5320	Ant 1	9.68	0	9.68	24	Pass
NVNT	802.11ac20	5260	Ant 1	8.39	0	8.39	24	Pass
NVNT	802.11ac20	5280	Ant 1	9.11	0	9.11	24	Pass
NVNT	802.11ac20	5320	Ant 1	9.13	0	9.13	24	Pass
NVNT	802.11ac40	5270	Ant 1	8.75	0	8.75	24	Pass
NVNT	802.11ac40	5310	Ant 1	9.31	0	9.31	24	Pass
NVNT	802.11ac80	5290	Ant 1	8.78	0	8.78	24	Pass
NVNT	802.11n(HT20)	5260	Ant 1	8.45	0	8.45	24	Pass
NVNT	802.11n(HT20)	5280	Ant 1	9.12	0	9.12	24	Pass
NVNT	802.11n(HT20)	5320	Ant 1	9.11	0	9.11	24	Pass
NVNT	802.11n(HT40)	5270	Ant 1	8.75	0	8.75	24	Pass
NVNT	802.11n(HT40)	5310	Ant 1	9.32	0	9.32	24	Pass

5.6G

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	9.69	0	9.69	24	Pass
NVNT	802.11a	5600	Ant 1	9.09	0	9.09	24	Pass
NVNT	802.11a	5700	Ant 1	9.42	0	9.42	24	Pass
NVNT	802.11ac20	5500	Ant 1	9.17	0	9.17	24	Pass
NVNT	802.11ac20	5600	Ant 1	8.56	0	8.56	24	Pass
NVNT	802.11ac20	5700	Ant 1	8.92	0	8.92	24	Pass
NVNT	802.11ac40	5510	Ant 1	9	0	9	24	Pass
NVNT	802.11ac40	5590	Ant 1	8.56	0	8.56	24	Pass
NVNT	802.11ac40	5670	Ant 1	8.76	0	8.76	24	Pass
NVNT	802.11ac80	5530	Ant 1	8.55	0	8.55	24	Pass
NVNT	802.11ac80	5610	Ant 1	8.03	0	8.03	24	Pass
NVNT	802.11n(HT20)	5500	Ant 1	9.23	0	9.23	24	Pass
NVNT	802.11n(HT20)	5600	Ant 1	8.62	0	8.62	24	Pass
NVNT	802.11n(HT20)	5700	Ant 1	9.05	0	9.05	24	Pass
NVNT	802.11n(HT40)	5510	Ant 1	9.05	0	9.05	24	Pass
NVNT	802.11n(HT40)	5590	Ant 1	8.61	0	8.61	24	Pass
NVNT	802.11n(HT40)	5670	Ant 1	8.69	0	8.69	24	Pass

5.8G

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	9.92	0	9.92	30	Pass
NVNT	802.11a	5785	Ant 1	9.87	0	9.87	30	Pass
NVNT	802.11a	5825	Ant 1	9.52	0	9.52	30	Pass
NVNT	802.11ac20	5745	Ant 1	9.47	0	9.47	30	Pass
NVNT	802.11ac20	5785	Ant 1	9.55	0	9.55	30	Pass
NVNT	802.11ac20	5825	Ant 1	8.98	0	8.98	30	Pass
NVNT	802.11ac40	5755	Ant 1	9.59	0	9.59	30	Pass
NVNT	802.11ac40	5795	Ant 1	9.56	0	9.56	30	Pass
NVNT	802.11ac80	5775	Ant 1	8.88	0	8.88	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	9.37	0	9.37	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	9.24	0	9.24	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	8.94	0	8.94	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	9.57	0	9.57	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	9.38	0	9.38	30	Pass