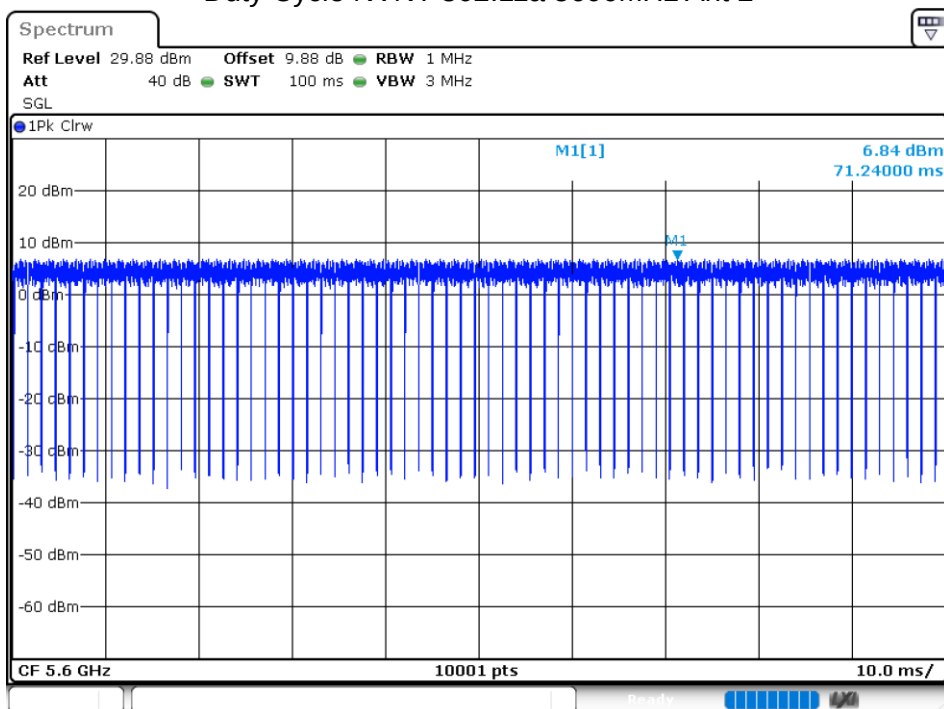
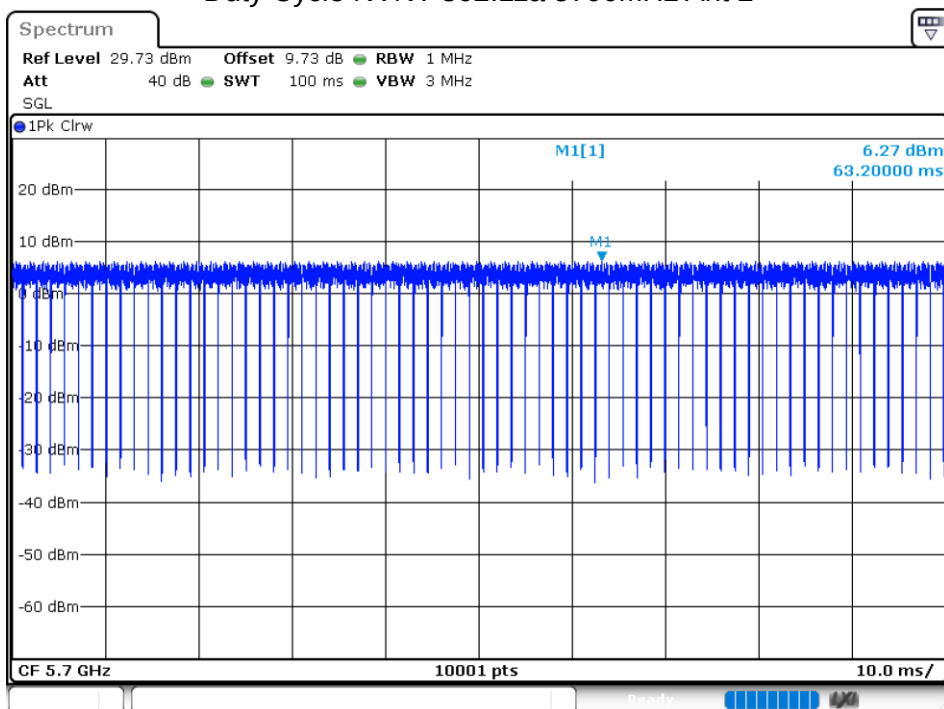


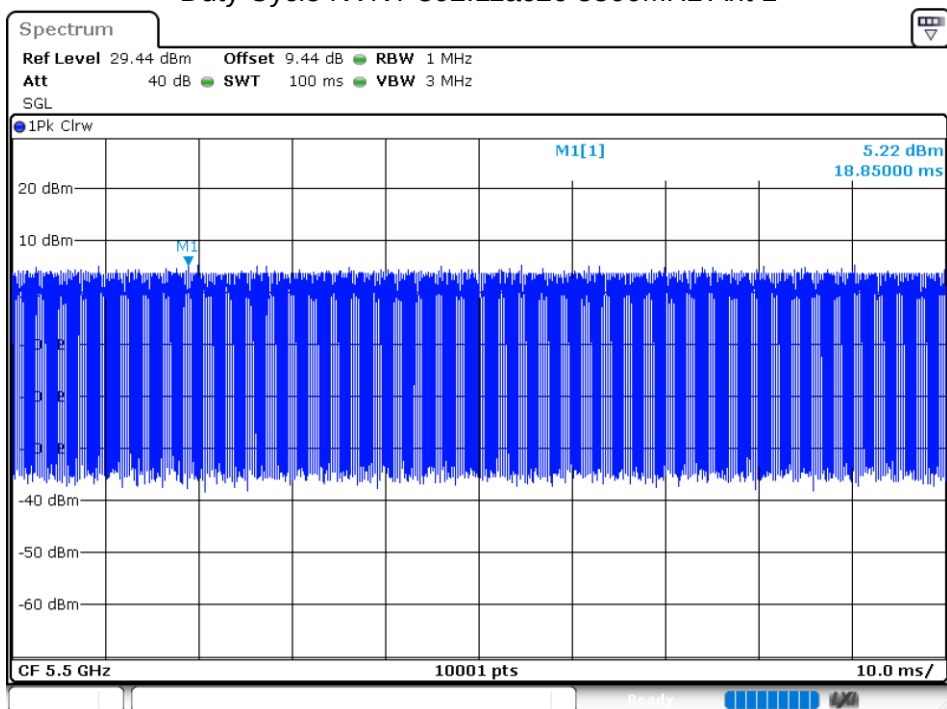
Duty Cycle NVNT 802.11a 5600MHz Ant 2



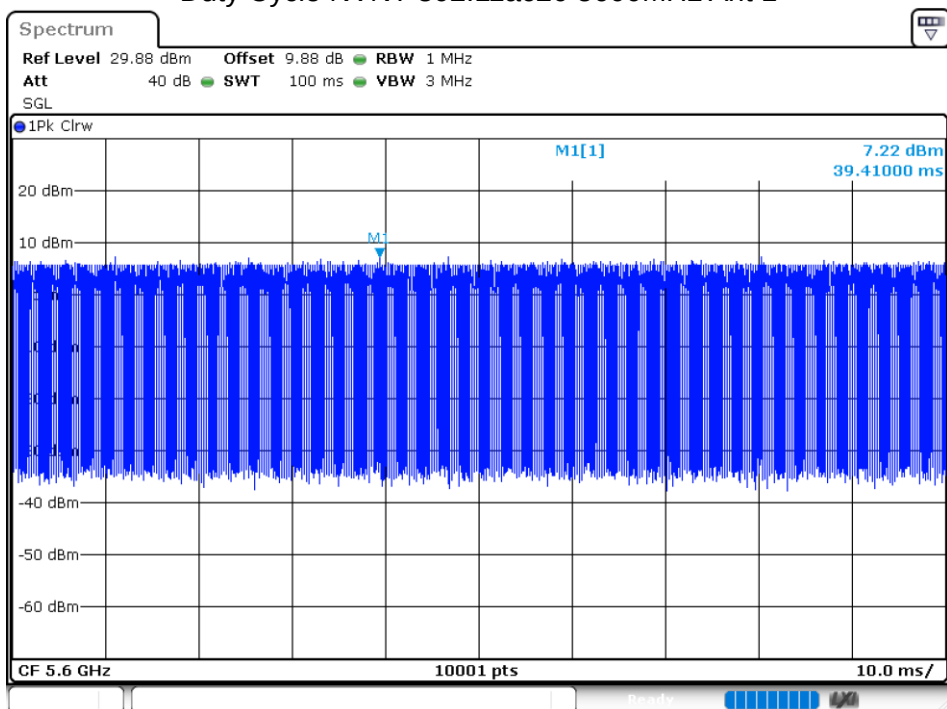
Duty Cycle NVNT 802.11a 5700MHz Ant 2



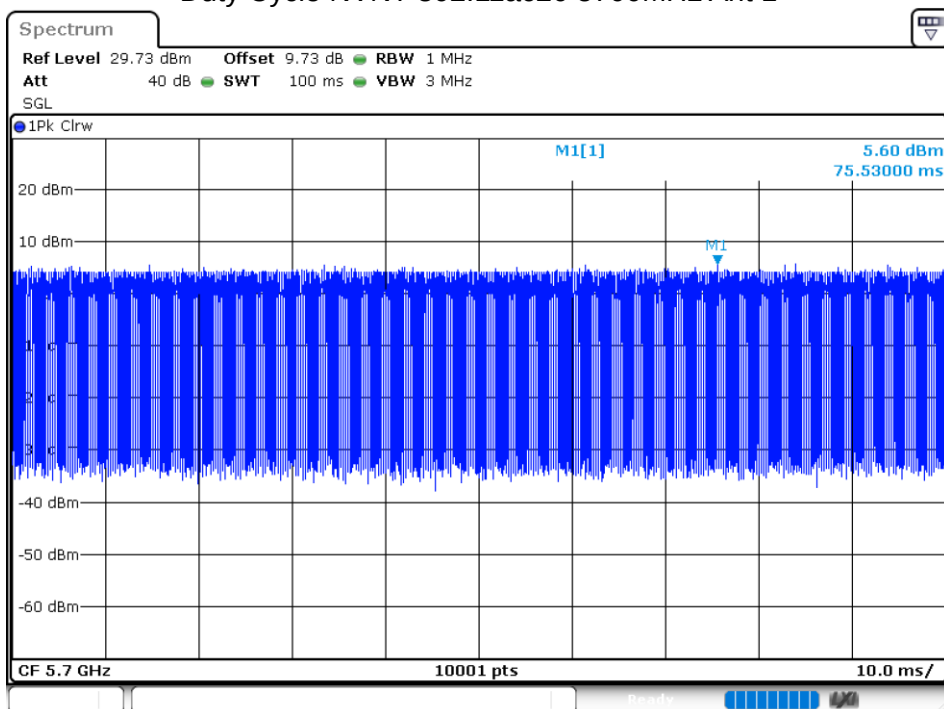
Duty Cycle NVNT 802.11ac20 5500MHz Ant 1



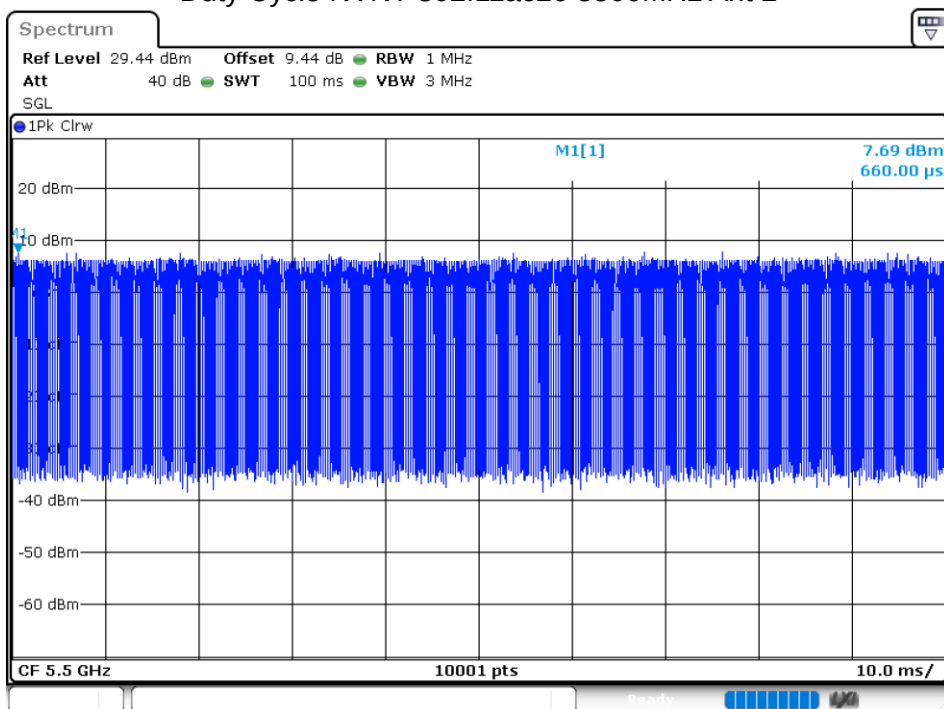
Duty Cycle NVNT 802.11ac20 5600MHz Ant 1



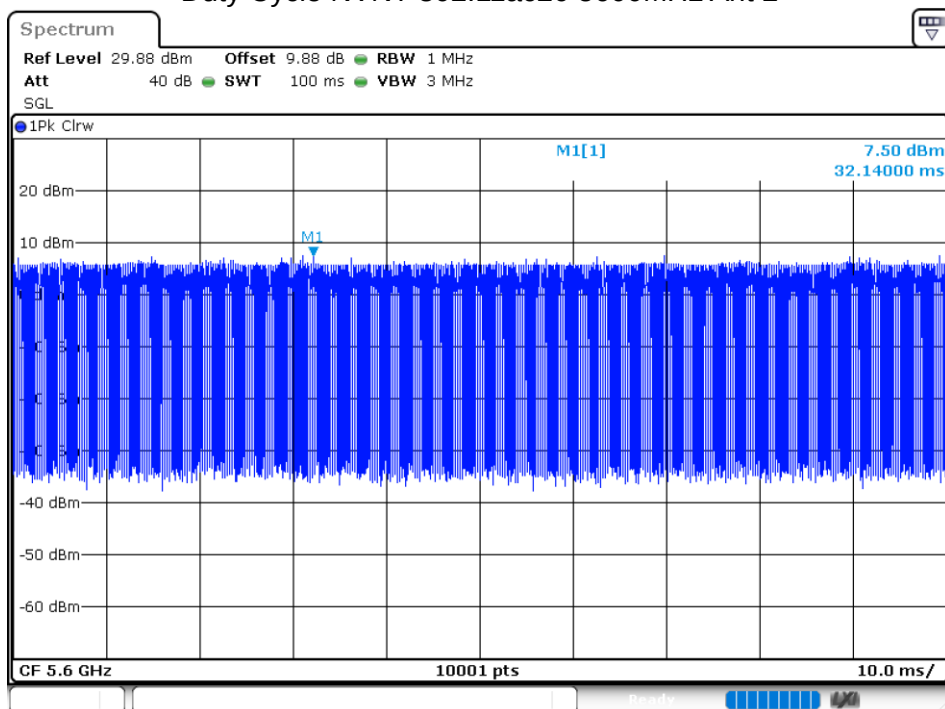
Duty Cycle NVNT 802.11ac20 5700MHz Ant 1



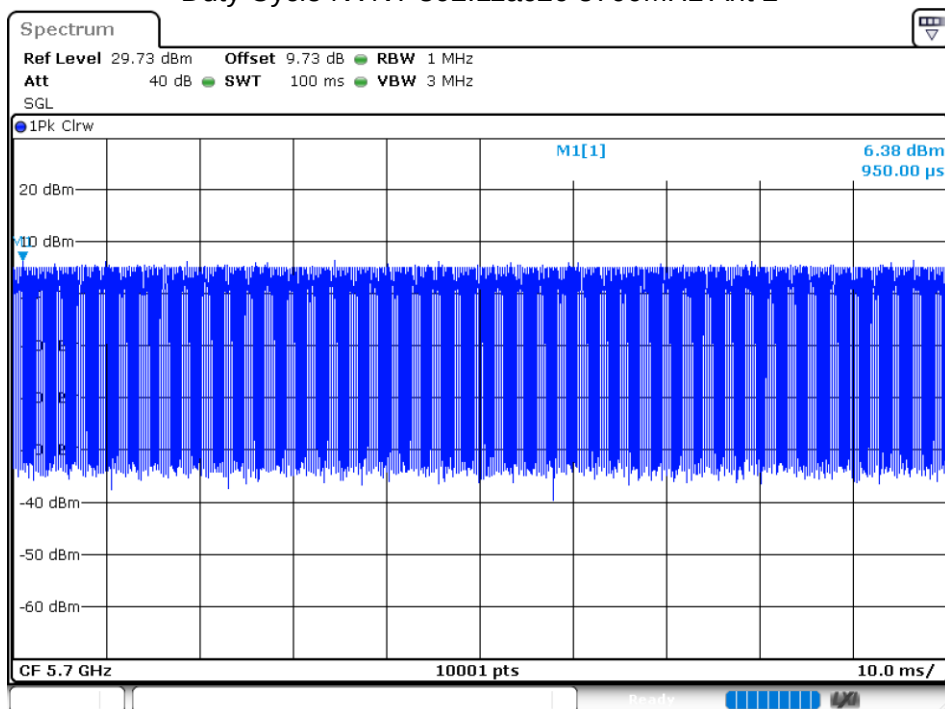
Duty Cycle NVNT 802.11ac20 5500MHz Ant 2



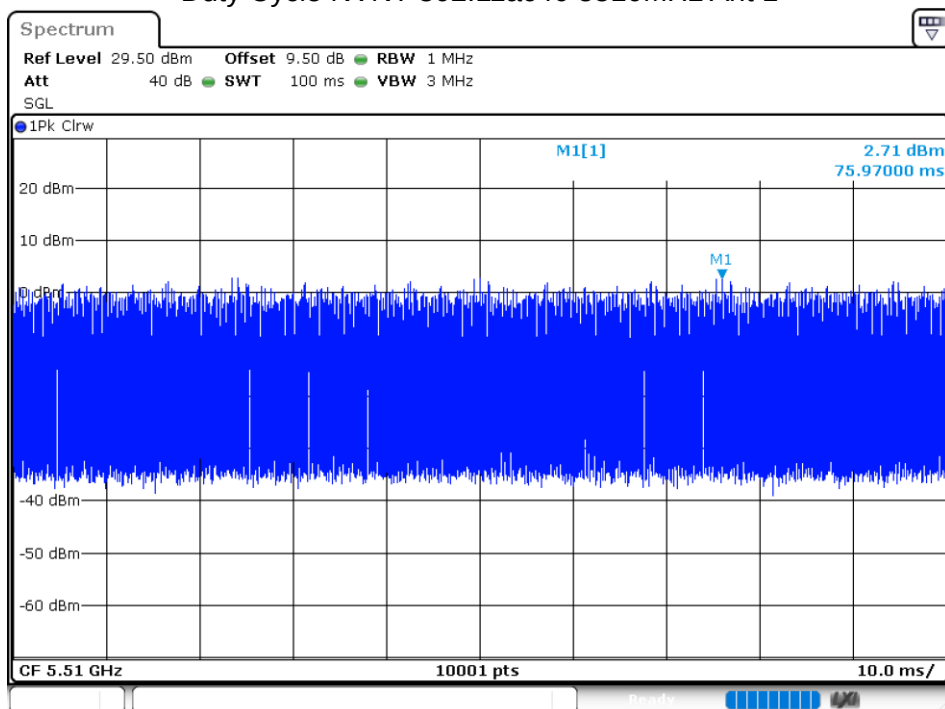
Duty Cycle NVNT 802.11ac20 5600MHz Ant 2



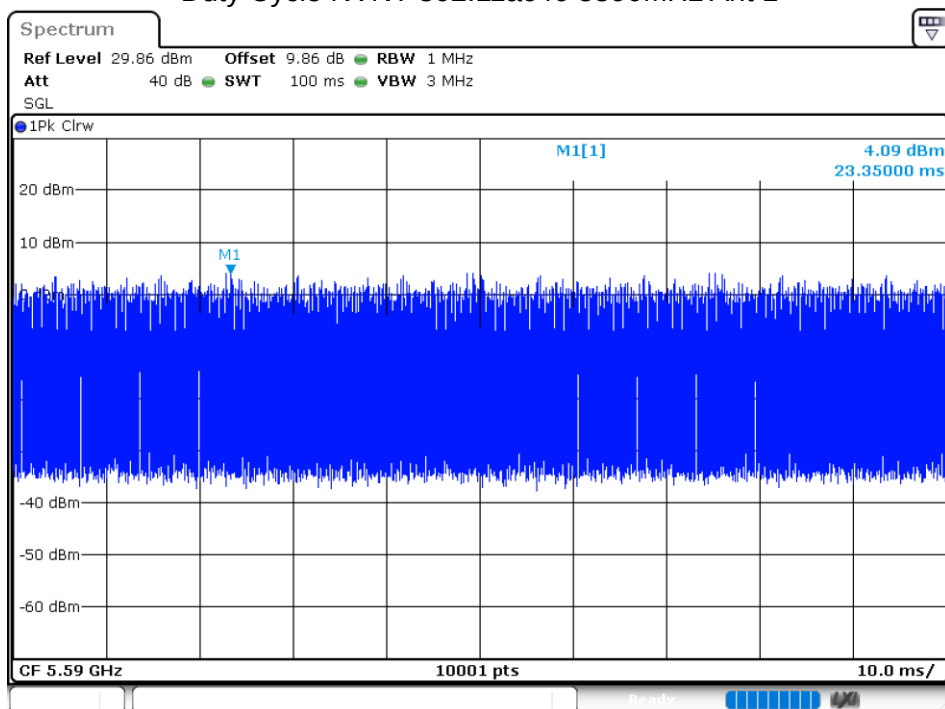
Duty Cycle NVNT 802.11ac20 5700MHz Ant 2



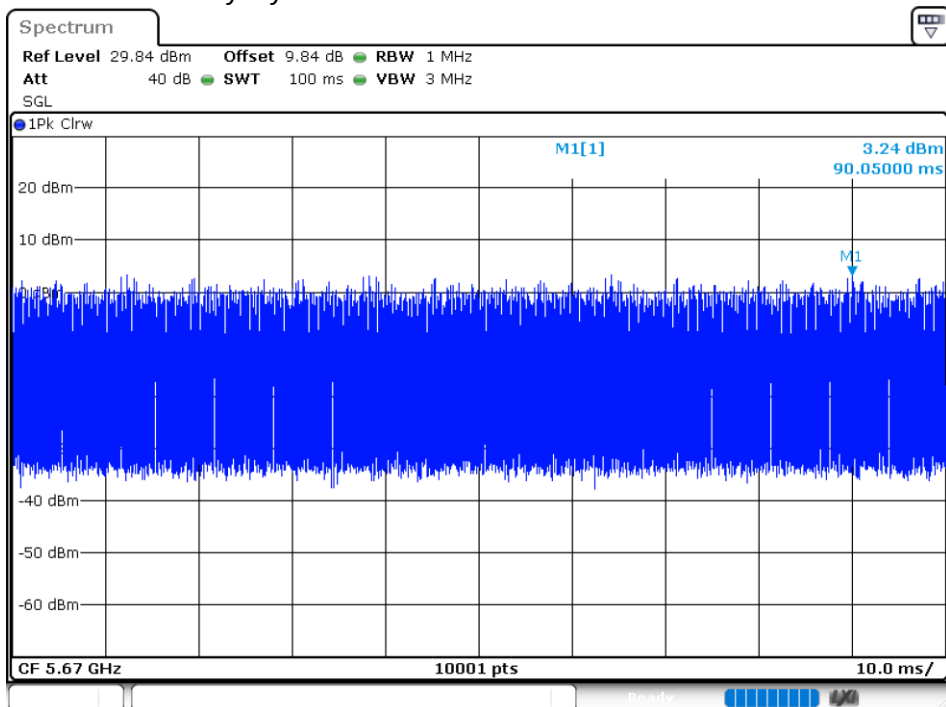
Duty Cycle NVNT 802.11ac40 5510MHz Ant 1



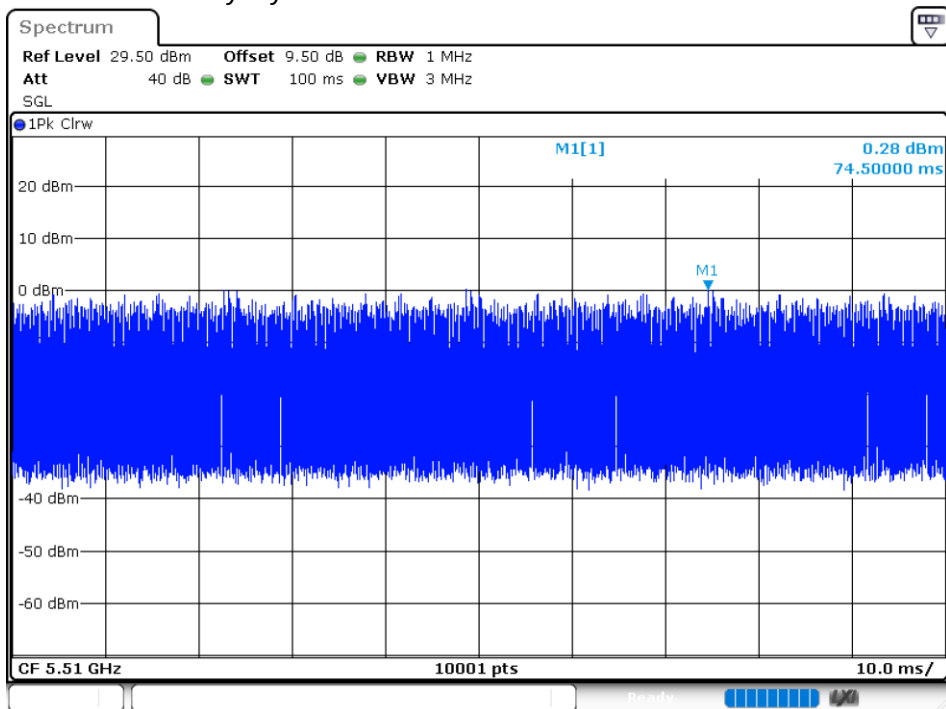
Duty Cycle NVNT 802.11ac40 5590MHz Ant 1



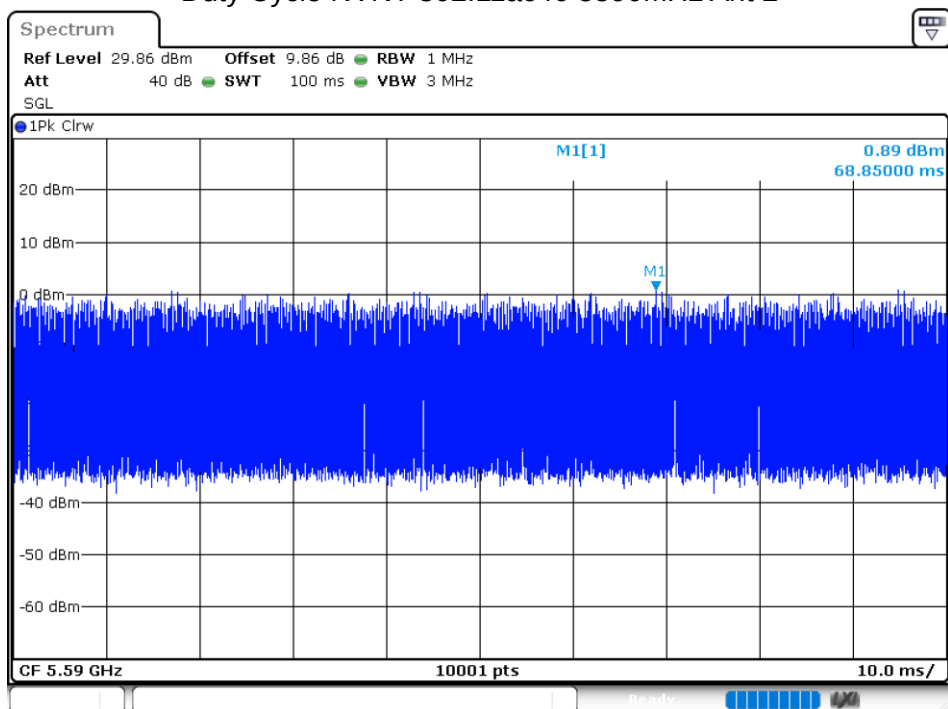
Duty Cycle NVNT 802.11ac40 5670MHz Ant 1



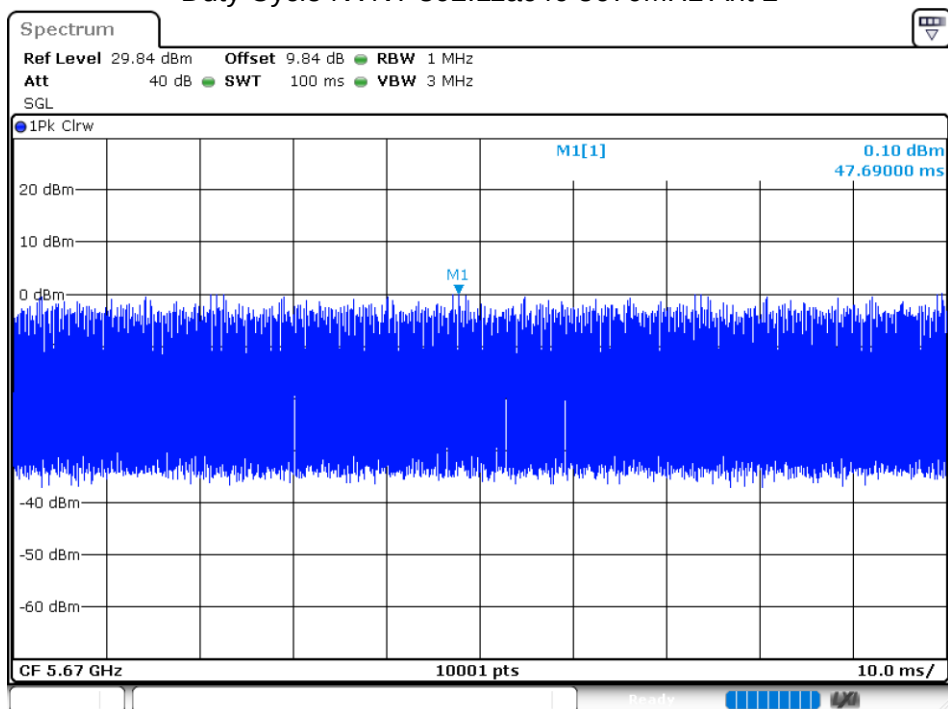
Duty Cycle NVNT 802.11ac40 5510MHz Ant 2



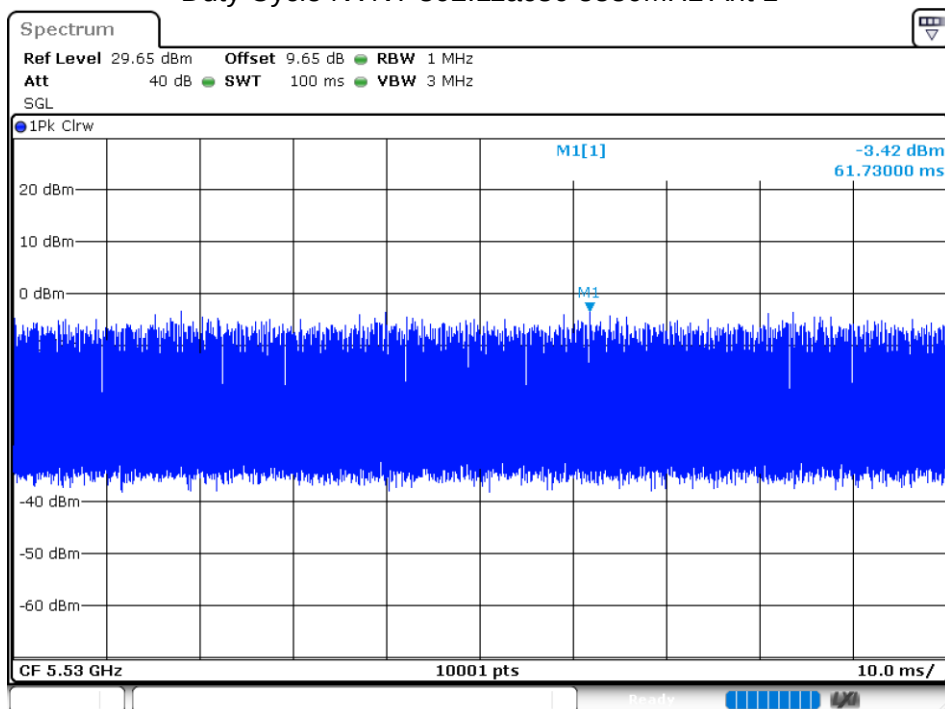
Duty Cycle NVNT 802.11ac40 5590MHz Ant 2



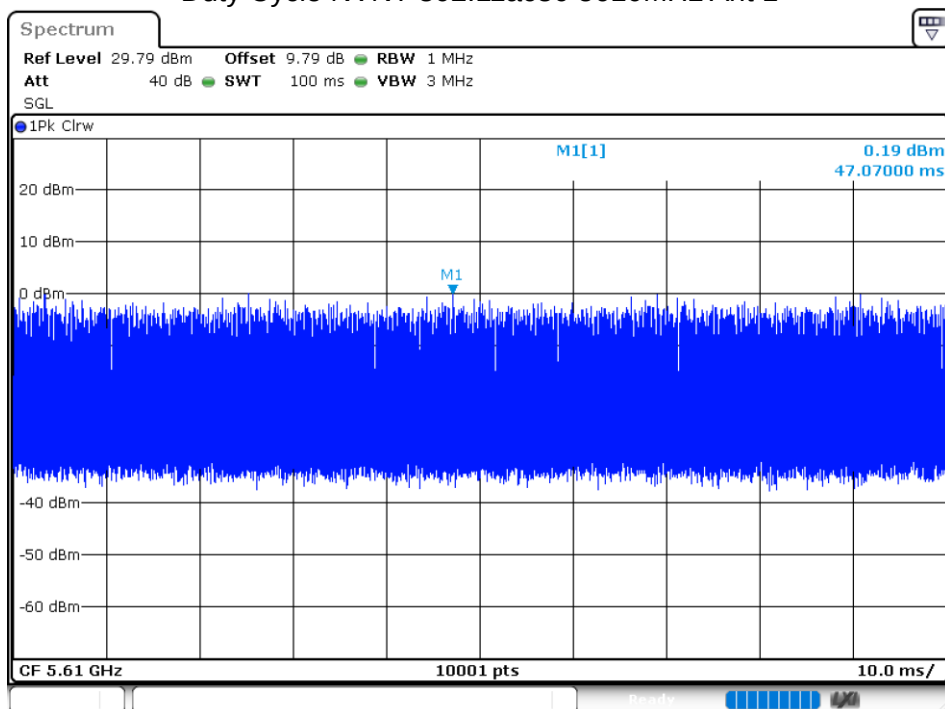
Duty Cycle NVNT 802.11ac40 5670MHz Ant 2



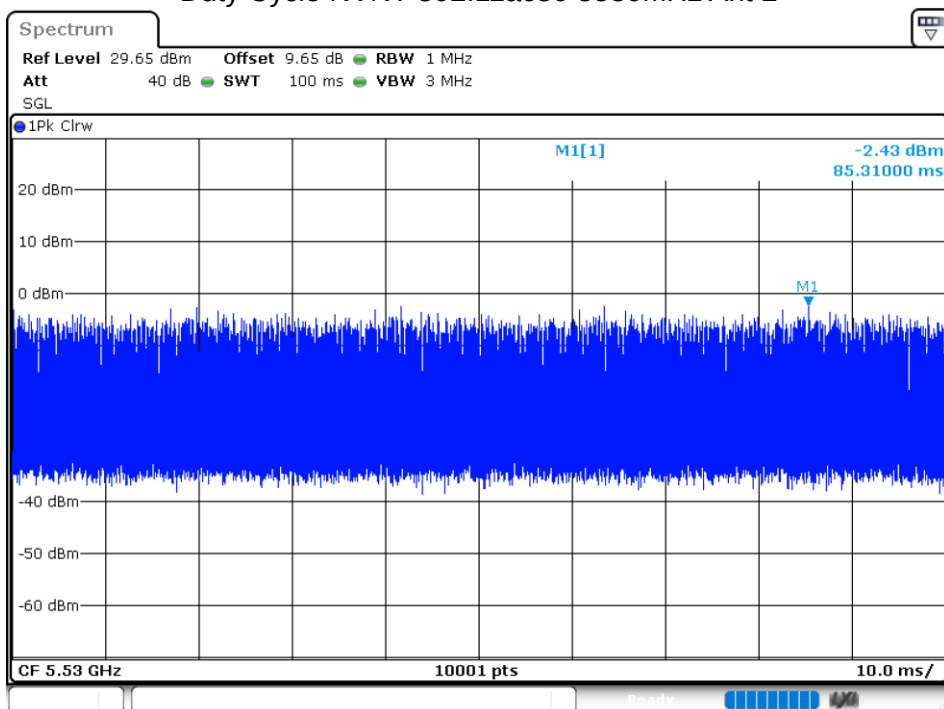
Duty Cycle NVNT 802.11ac80 5530MHz Ant 1



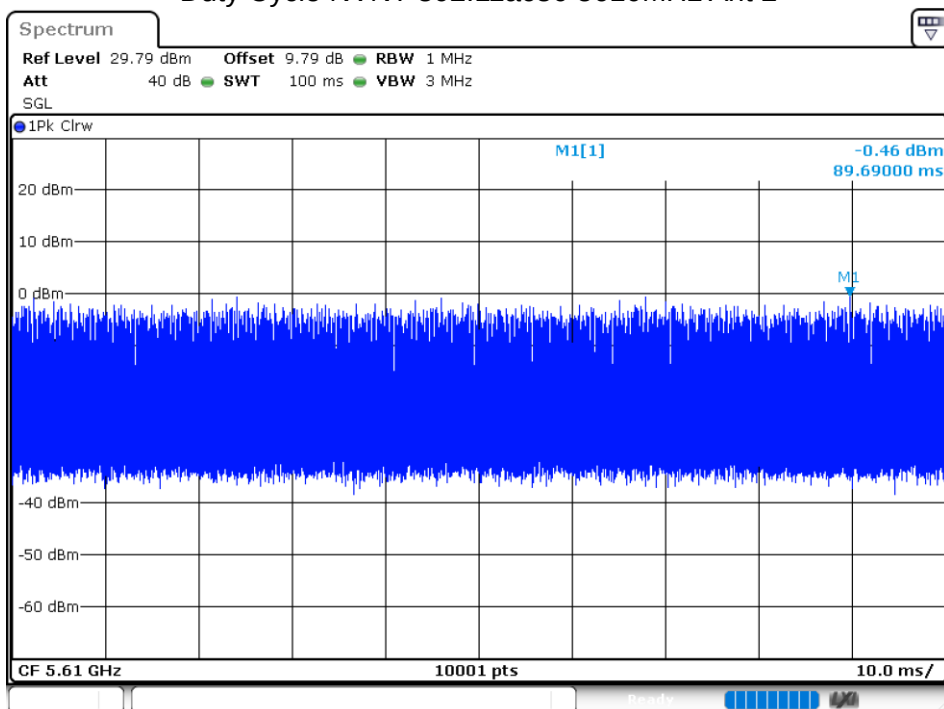
Duty Cycle NVNT 802.11ac80 5610MHz Ant 1



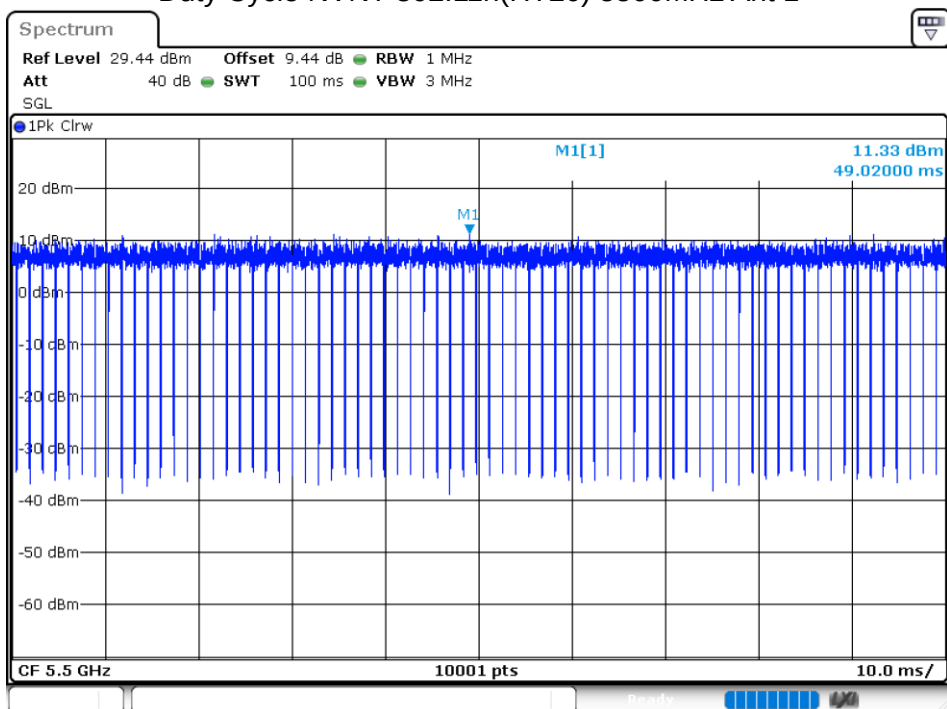
Duty Cycle NVNT 802.11ac80 5530MHz Ant 2



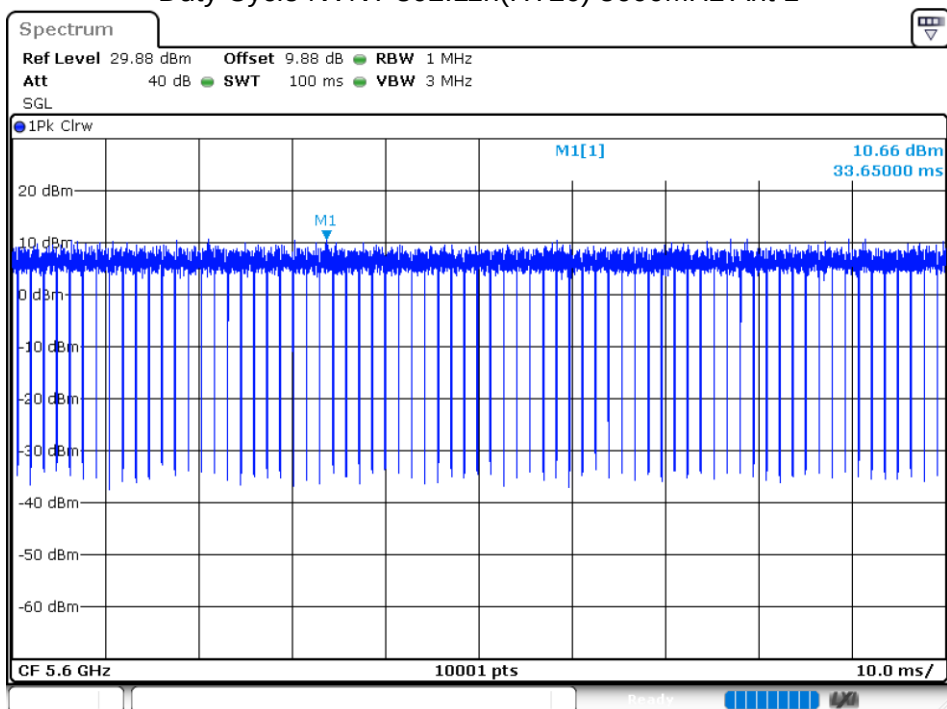
Duty Cycle NVNT 802.11ac80 5610MHz Ant 2



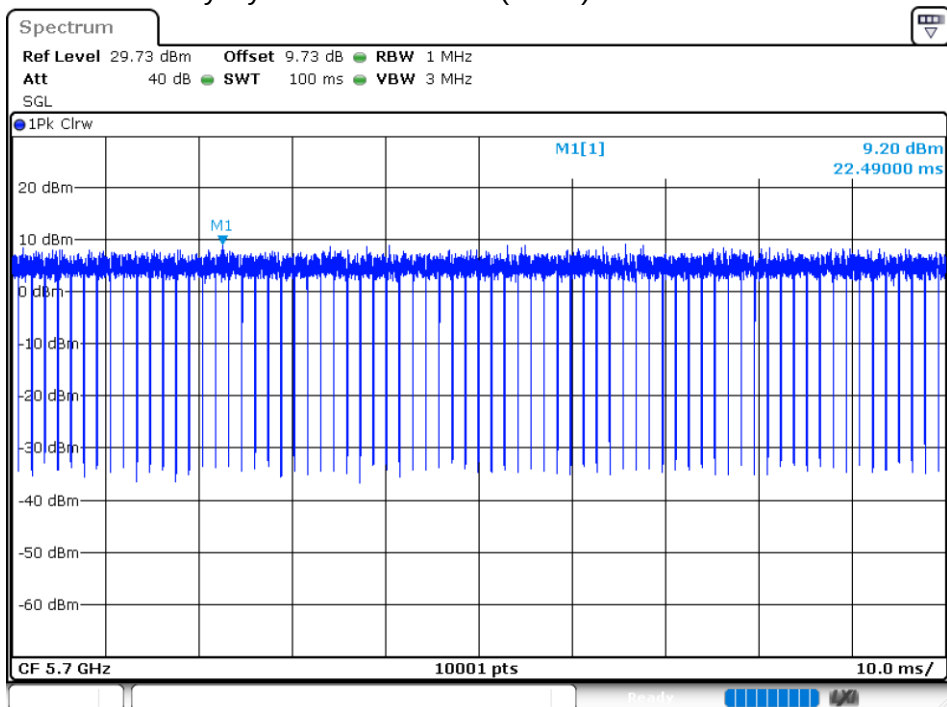
Duty Cycle NVNT 802.11n(HT20) 5500MHz Ant 1



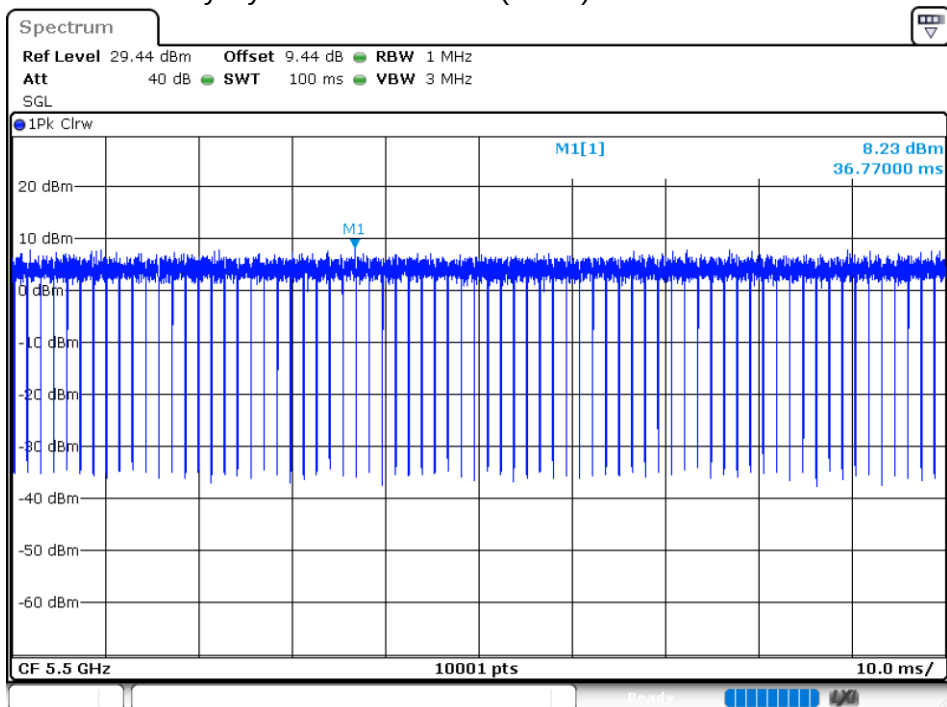
Duty Cycle NVNT 802.11n(HT20) 5600MHz Ant 1



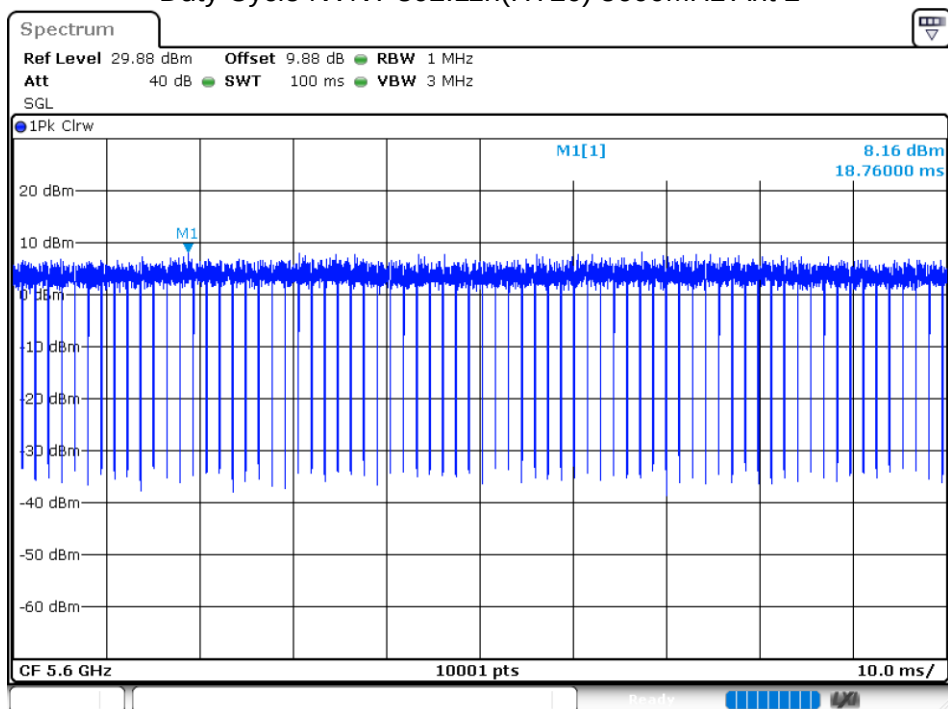
Duty Cycle NVNT 802.11n(HT20) 5700MHz Ant 1



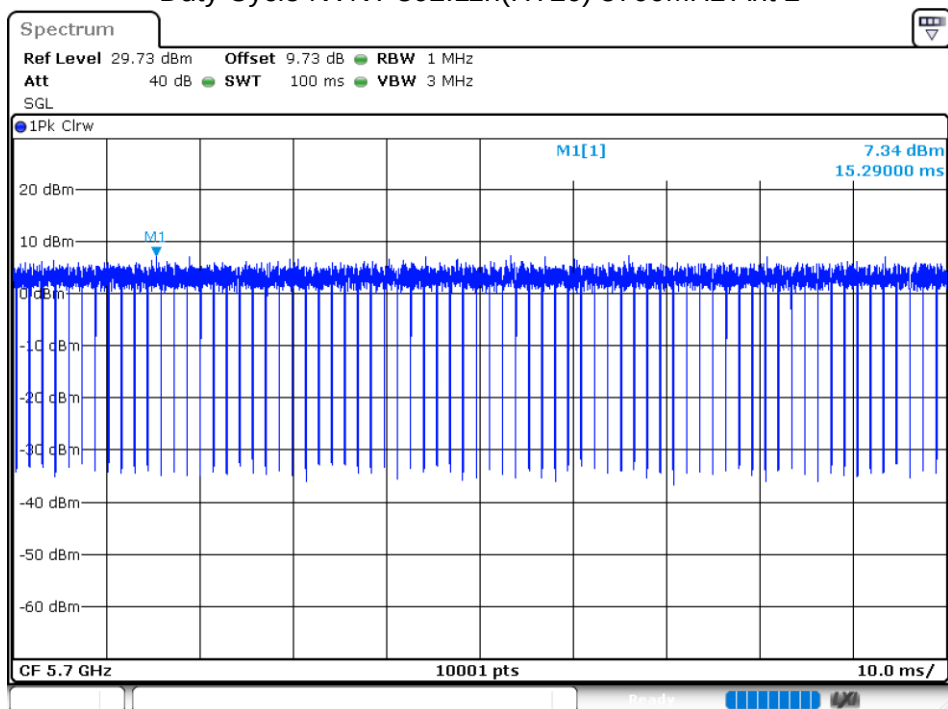
Duty Cycle NVNT 802.11n(HT20) 5500MHz Ant 2



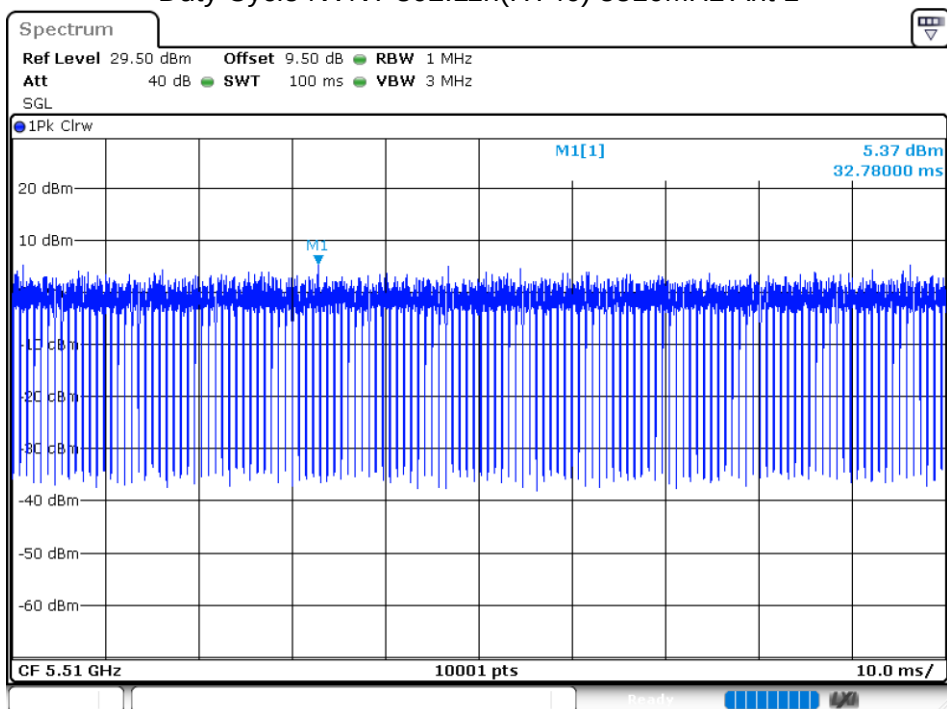
Duty Cycle NVNT 802.11n(HT20) 5600MHz Ant 2



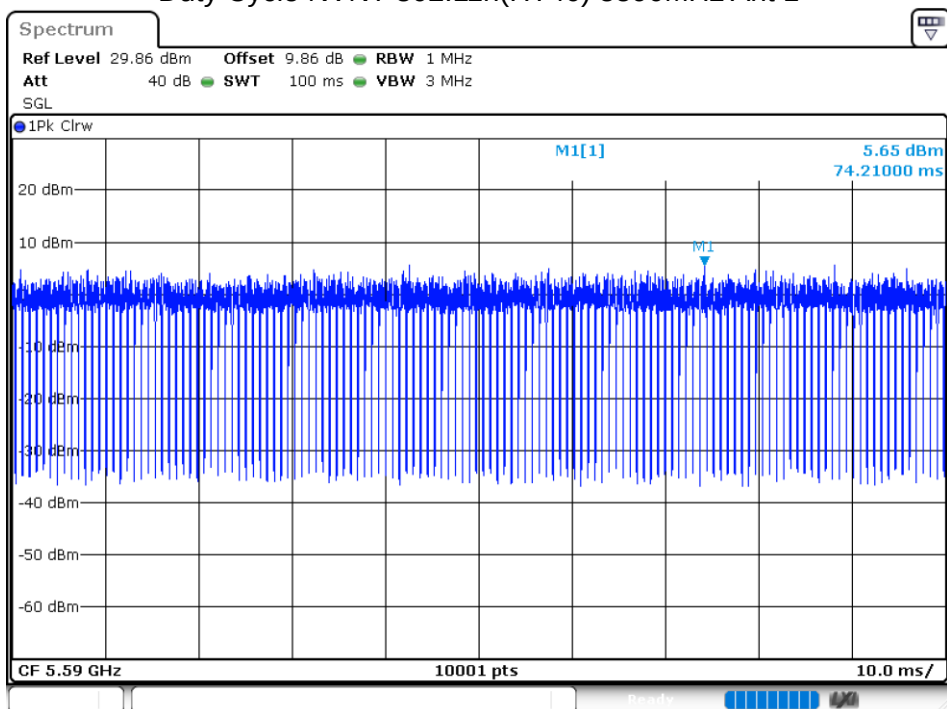
Duty Cycle NVNT 802.11n(HT20) 5700MHz Ant 2



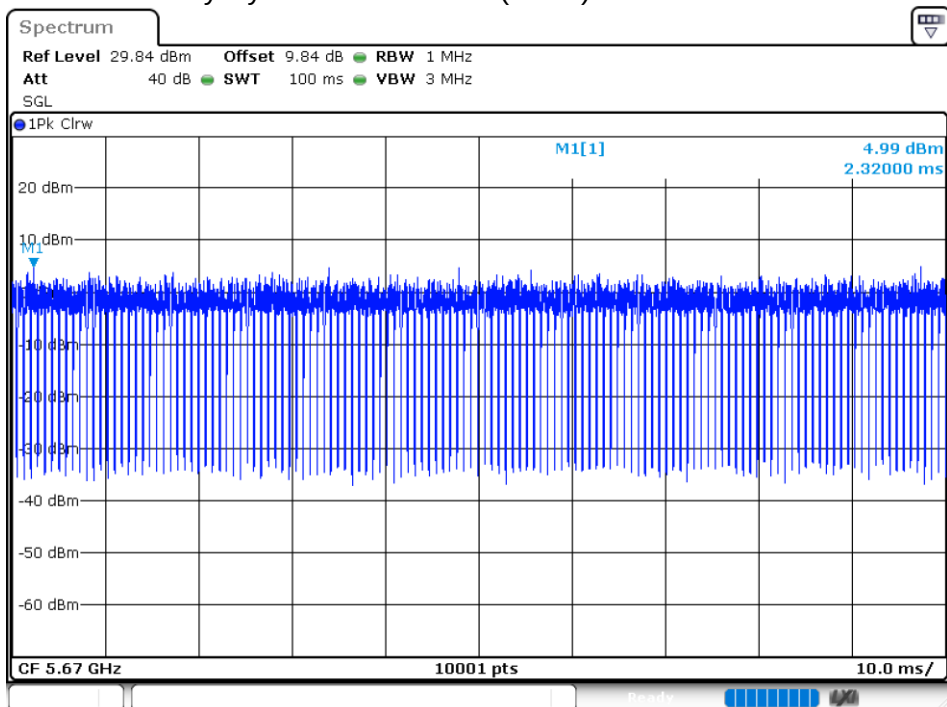
Duty Cycle NVNT 802.11n(HT40) 5510MHz Ant 1



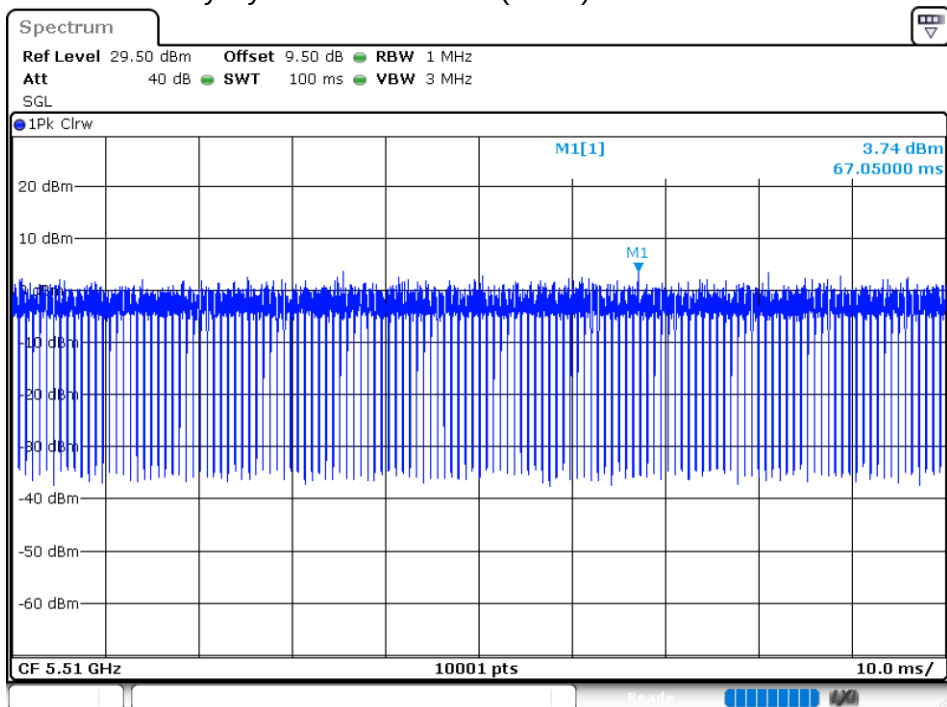
Duty Cycle NVNT 802.11n(HT40) 5590MHz Ant 1



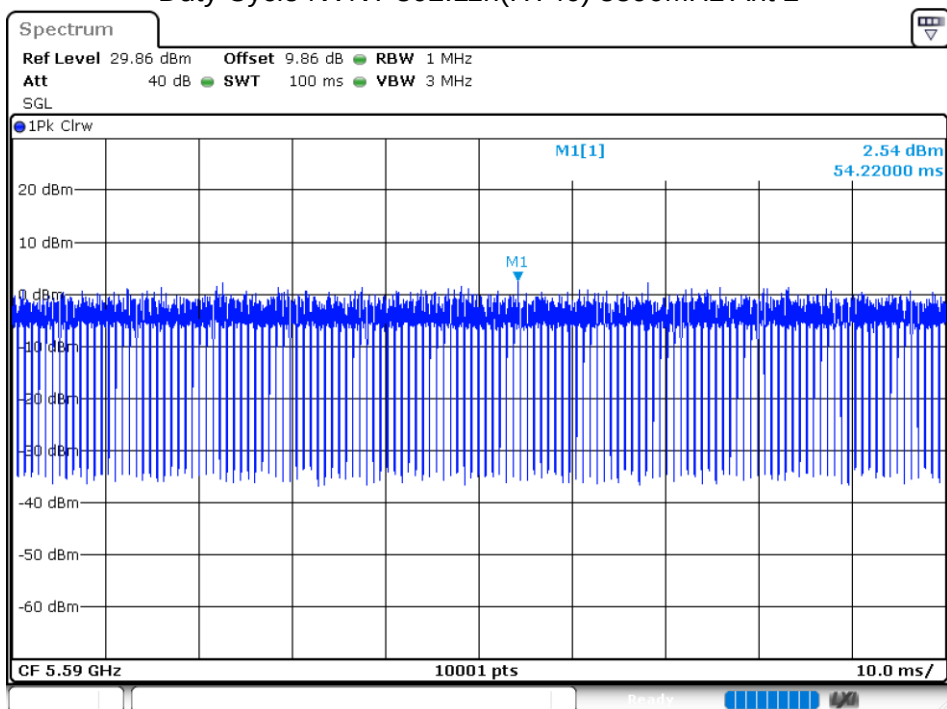
Duty Cycle NVNT 802.11n(HT40) 5670MHz Ant 1



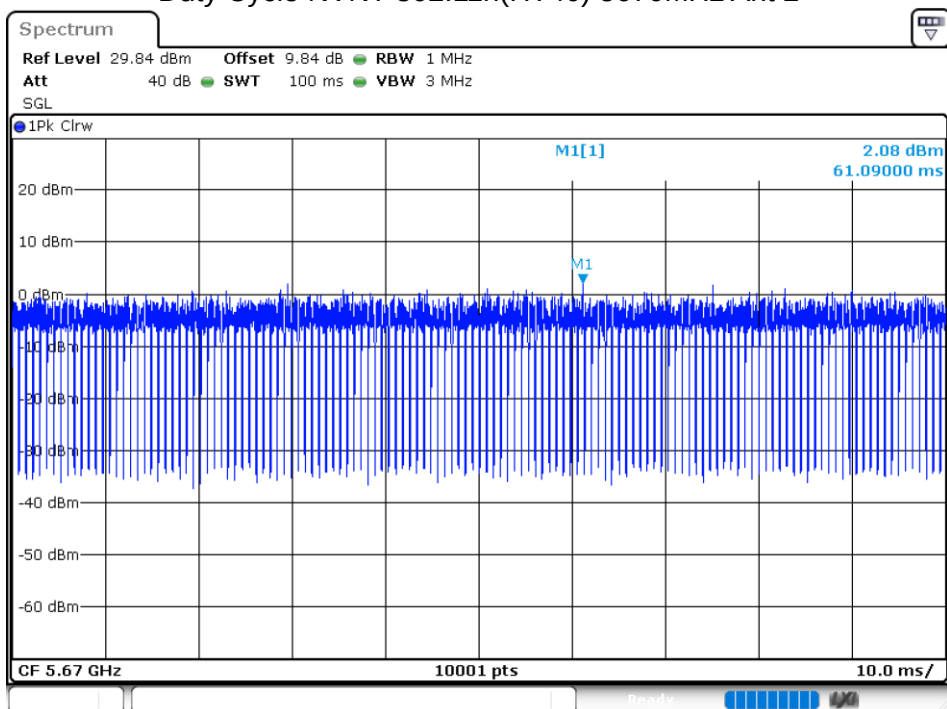
Duty Cycle NVNT 802.11n(HT40) 5510MHz Ant 2



Duty Cycle NVNT 802.11n(HT40) 5590MHz Ant 2



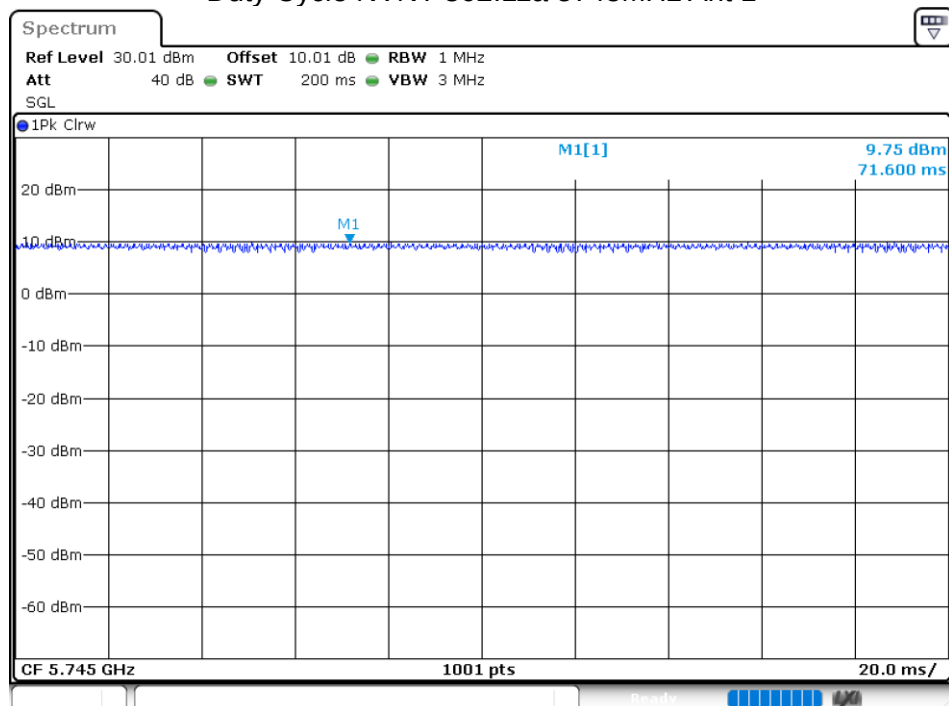
Duty Cycle NVNT 802.11n(HT40) 5670MHz Ant 2



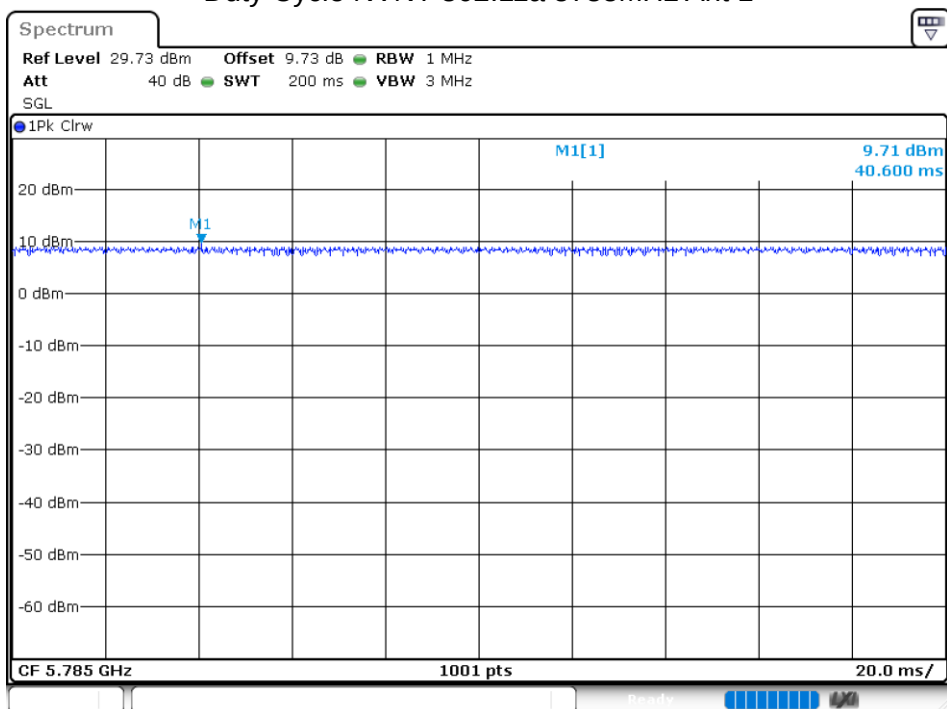
5.8G:

Antenna	Condition	Mode	Frequency (MHz)	Duty Cycle (%)
Ant 1	NVNT	802.11a	5745	100
Ant 1	NVNT	802.11a	5785	100
Ant 1	NVNT	802.11a	5825	100
Ant 2	NVNT	802.11a	5745	100
Ant 2	NVNT	802.11a	5785	100
Ant 2	NVNT	802.11a	5825	100
Ant 1	NVNT	802.11ac20	5745	100
Ant 1	NVNT	802.11ac20	5785	100
Ant 1	NVNT	802.11ac20	5825	100
Ant 2	NVNT	802.11ac20	5745	100
Ant 2	NVNT	802.11ac20	5785	100
Ant 2	NVNT	802.11ac20	5825	100
Ant 1	NVNT	802.11ac40	5755	100
Ant 1	NVNT	802.11ac40	5795	100
Ant 2	NVNT	802.11ac40	5755	100
Ant 2	NVNT	802.11ac40	5795	100
Ant 1	NVNT	802.11ac80	5775	100
Ant 2	NVNT	802.11ac80	5775	100
Ant 1	NVNT	802.11n(HT20)	5745	100
Ant 1	NVNT	802.11n(HT20)	5785	100
Ant 1	NVNT	802.11n(HT20)	5825	100
Ant 2	NVNT	802.11n(HT20)	5745	100
Ant 2	NVNT	802.11n(HT20)	5785	100
Ant 2	NVNT	802.11n(HT20)	5825	100
Ant 1	NVNT	802.11n(HT40)	5755	100
Ant 1	NVNT	802.11n(HT40)	5795	100
Ant 2	NVNT	802.11n(HT40)	5755	100
Ant 2	NVNT	802.11n(HT40)	5795	100

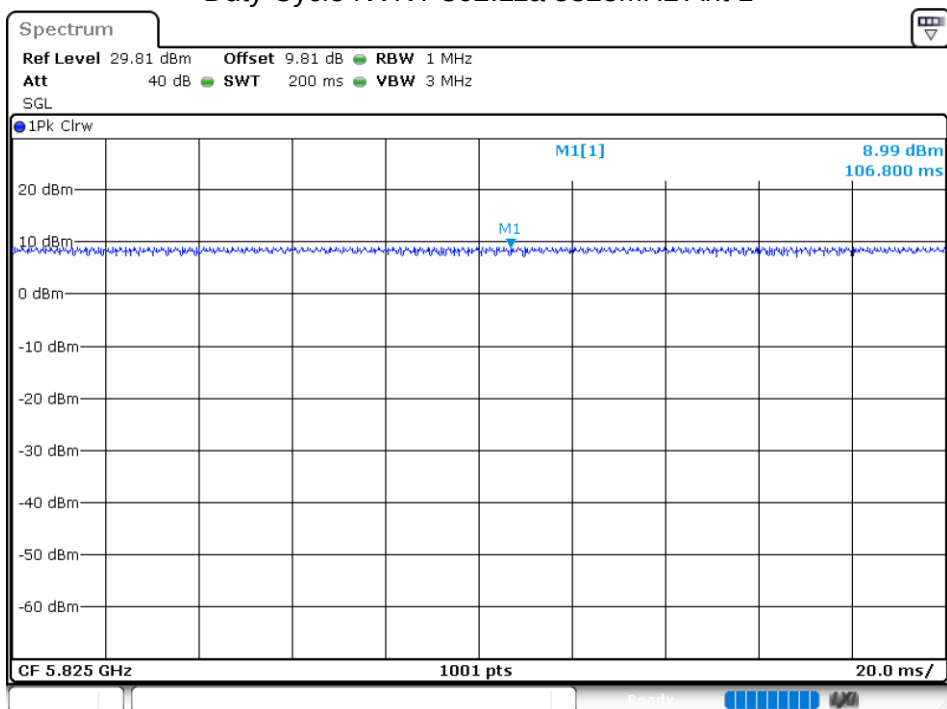
Duty Cycle NVNT 802.11a 5745MHz Ant 1



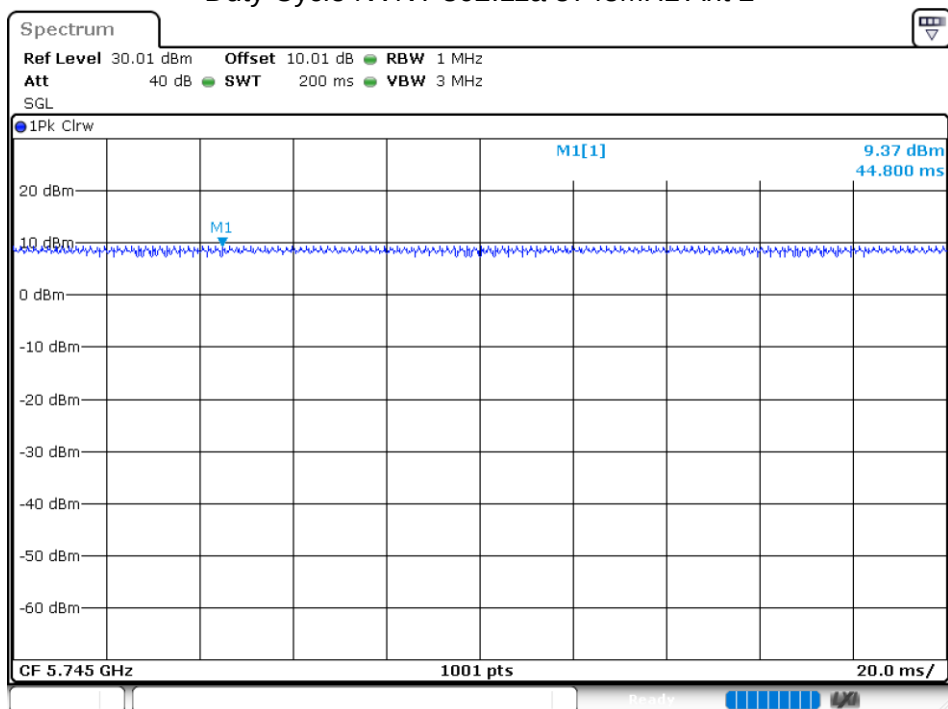
Duty Cycle NVNT 802.11a 5785MHz Ant 1



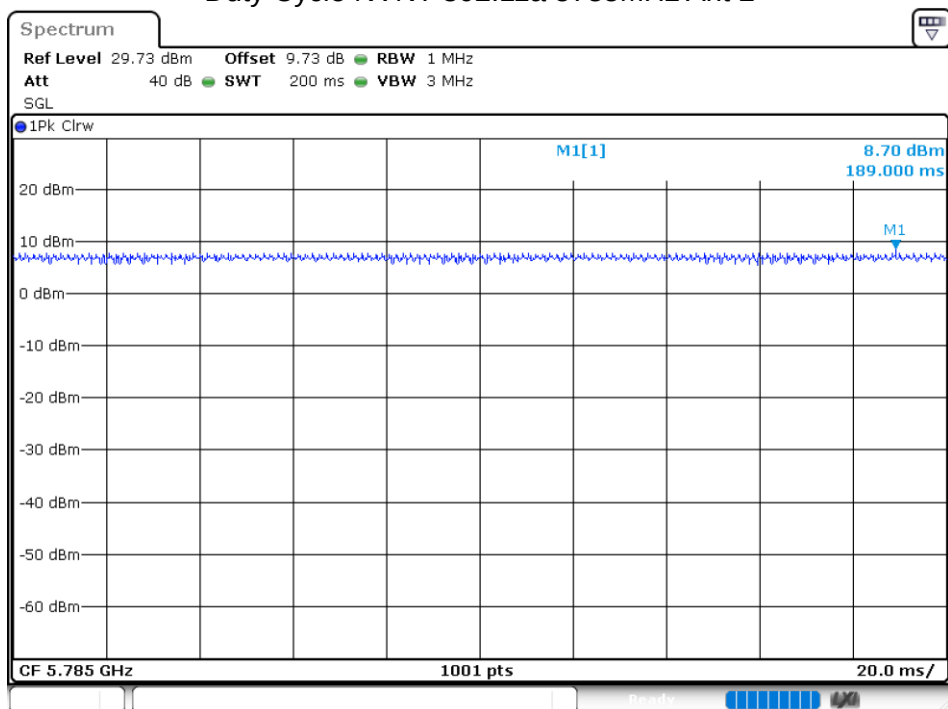
Duty Cycle NVNT 802.11a 5825MHz Ant 1



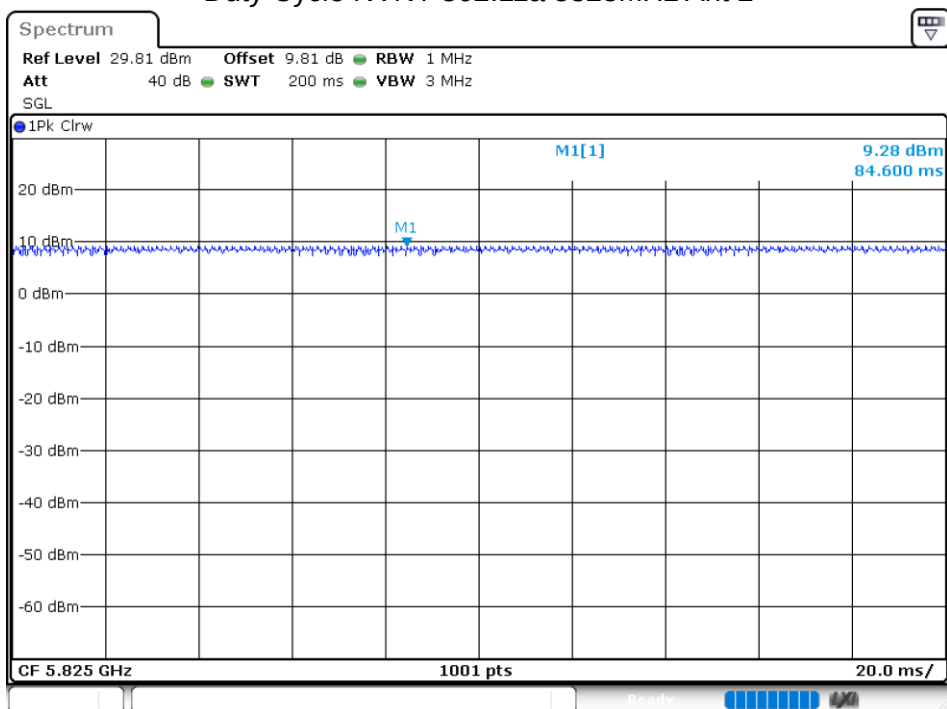
Duty Cycle NVNT 802.11a 5745MHz Ant 2



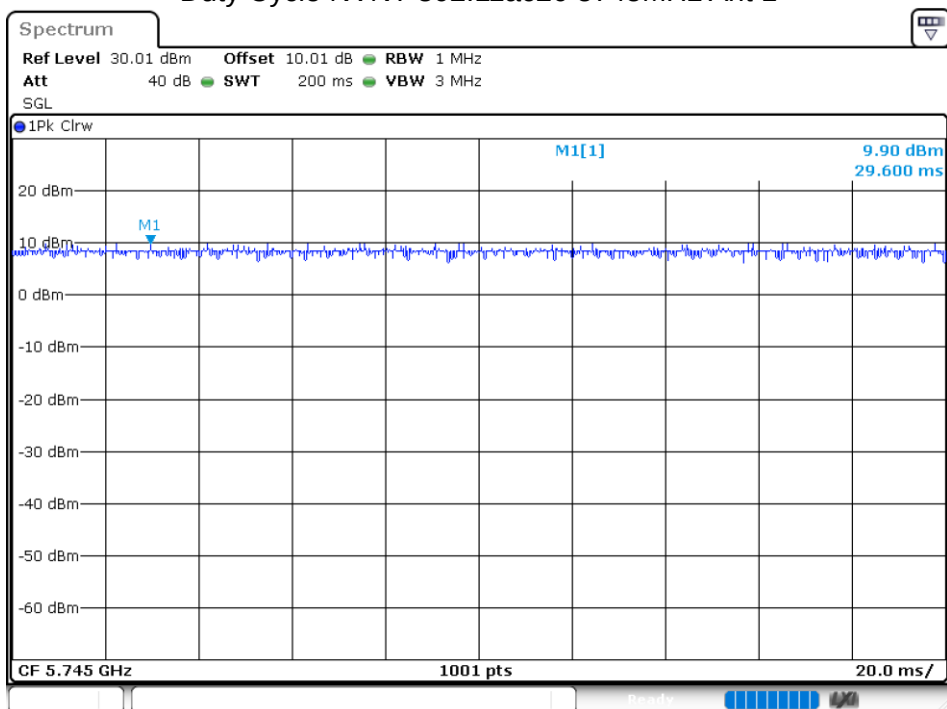
Duty Cycle NVNT 802.11a 5785MHz Ant 2



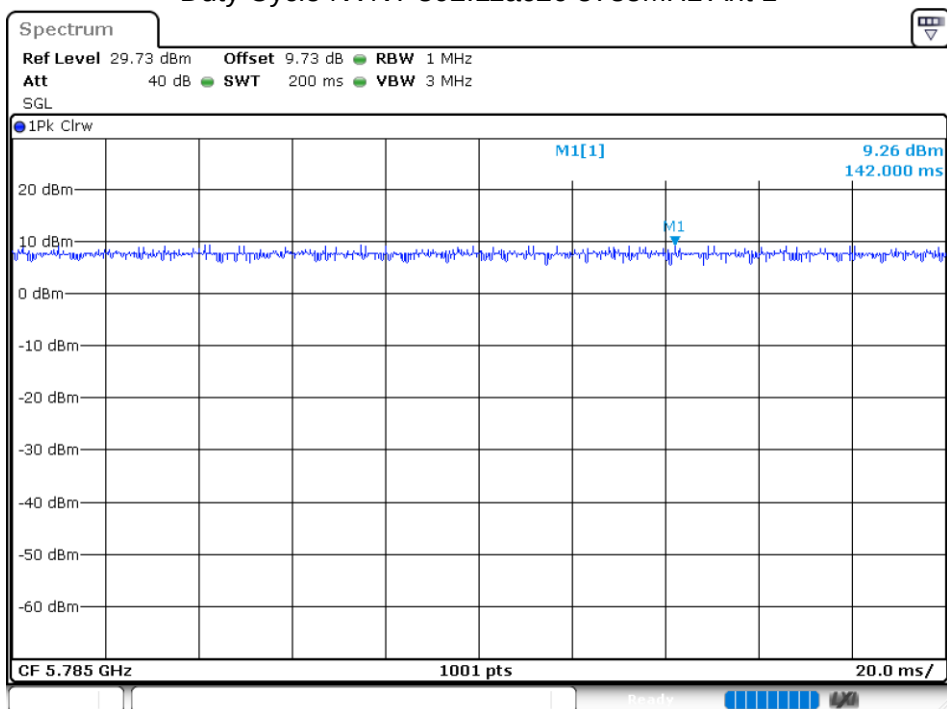
Duty Cycle NVNT 802.11a 5825MHz Ant 2



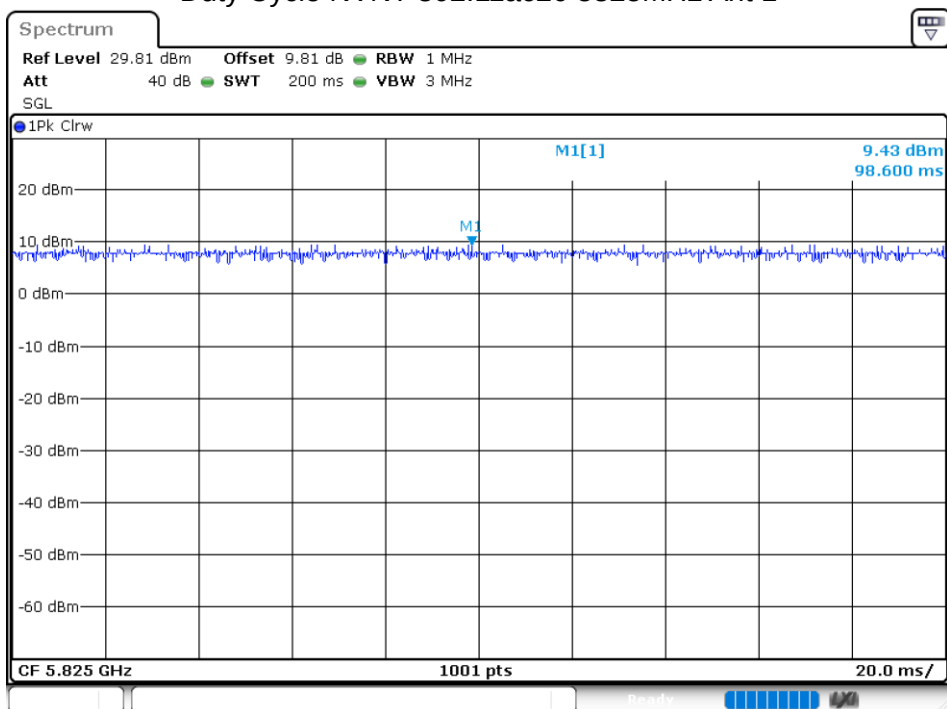
Duty Cycle NVNT 802.11ac20 5745MHz Ant 1



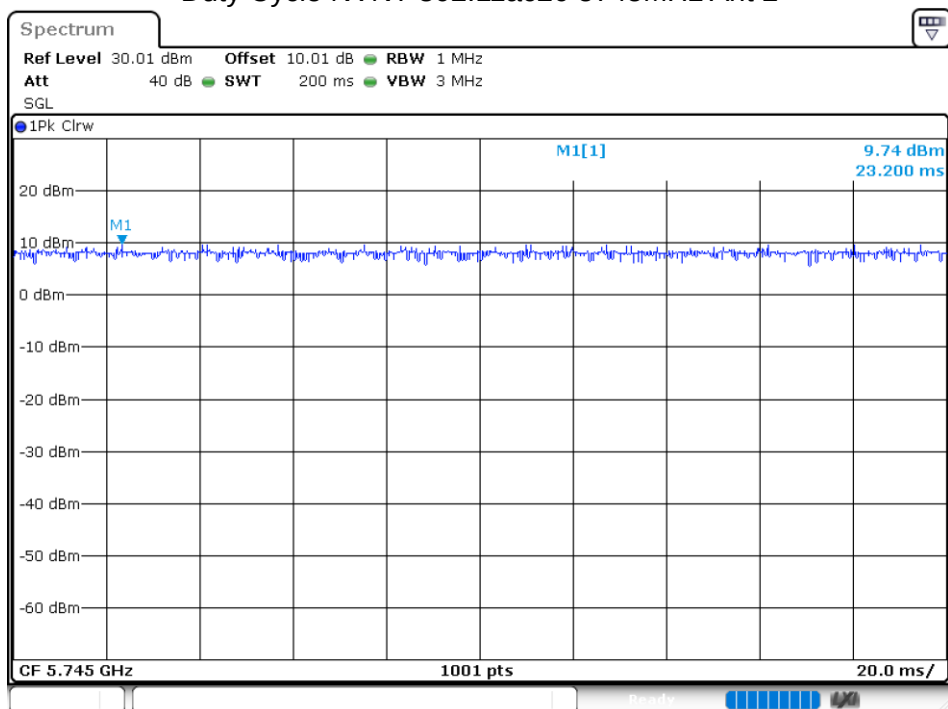
Duty Cycle NVNT 802.11ac20 5785MHz Ant 1



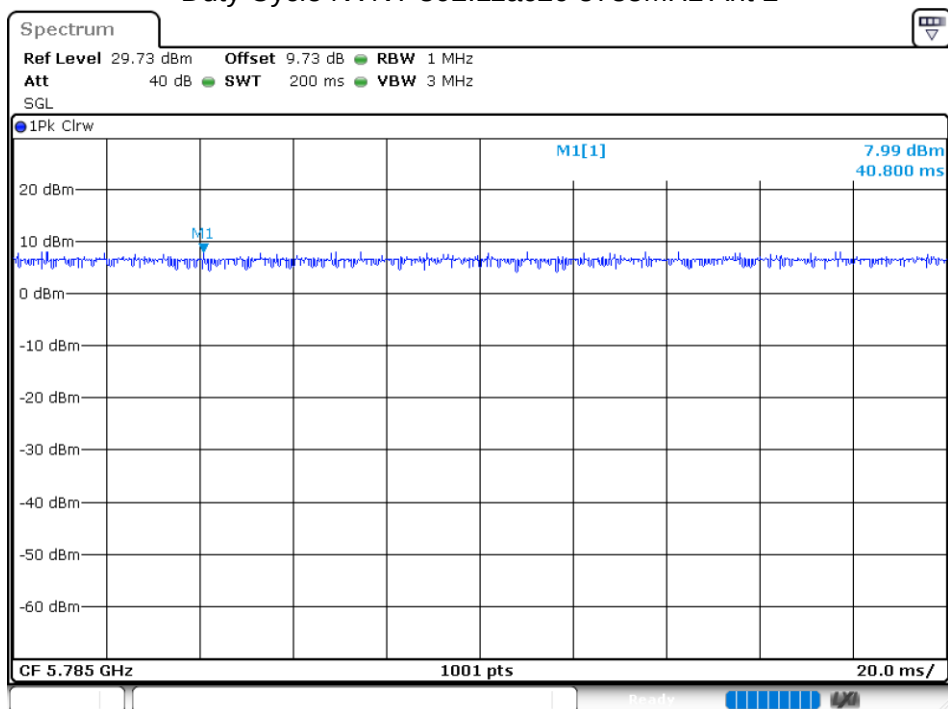
Duty Cycle NVNT 802.11ac20 5825MHz Ant 1



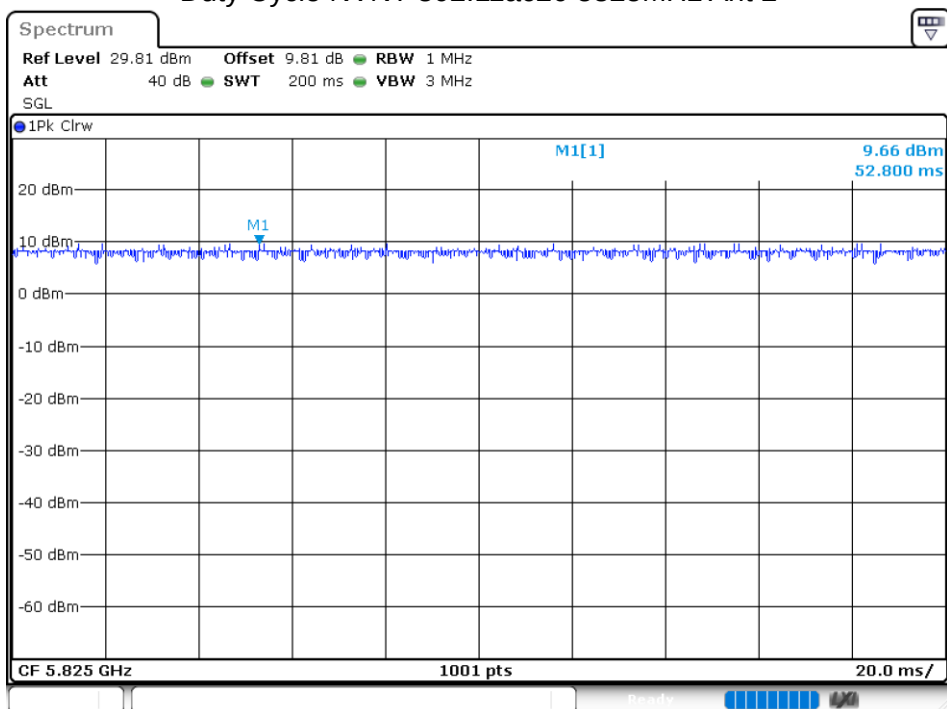
Duty Cycle NVNT 802.11ac20 5745MHz Ant 2



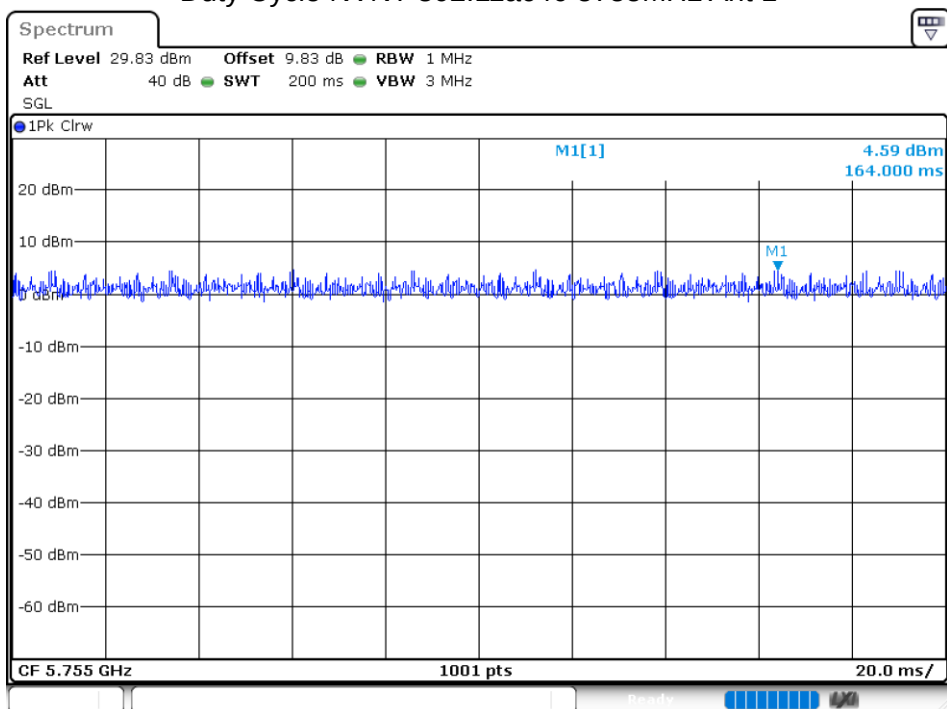
Duty Cycle NVNT 802.11ac20 5785MHz Ant 2



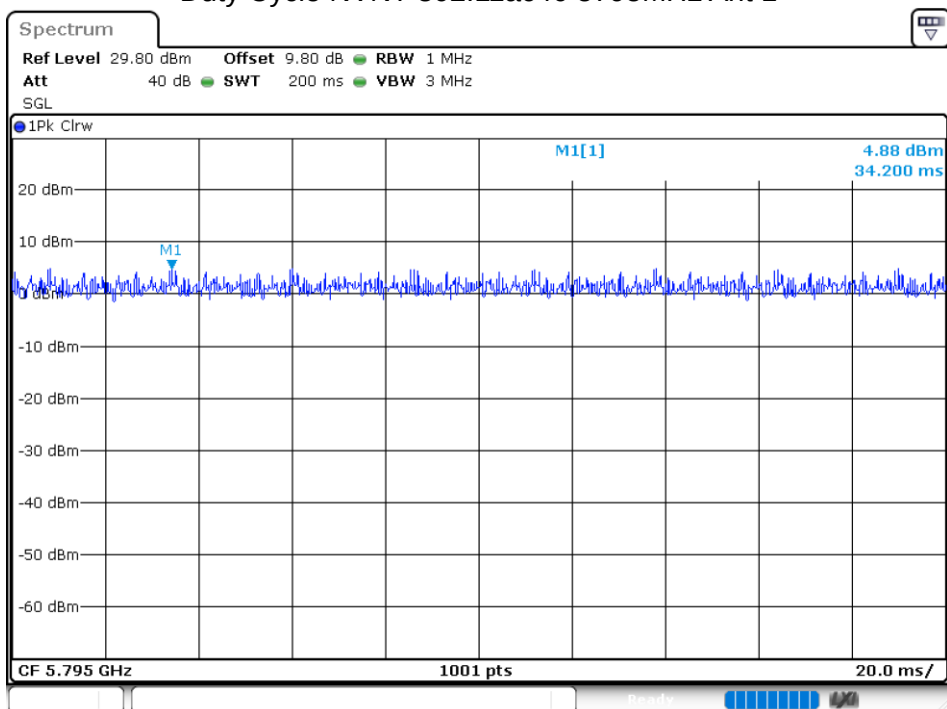
Duty Cycle NVNT 802.11ac20 5825MHz Ant 2



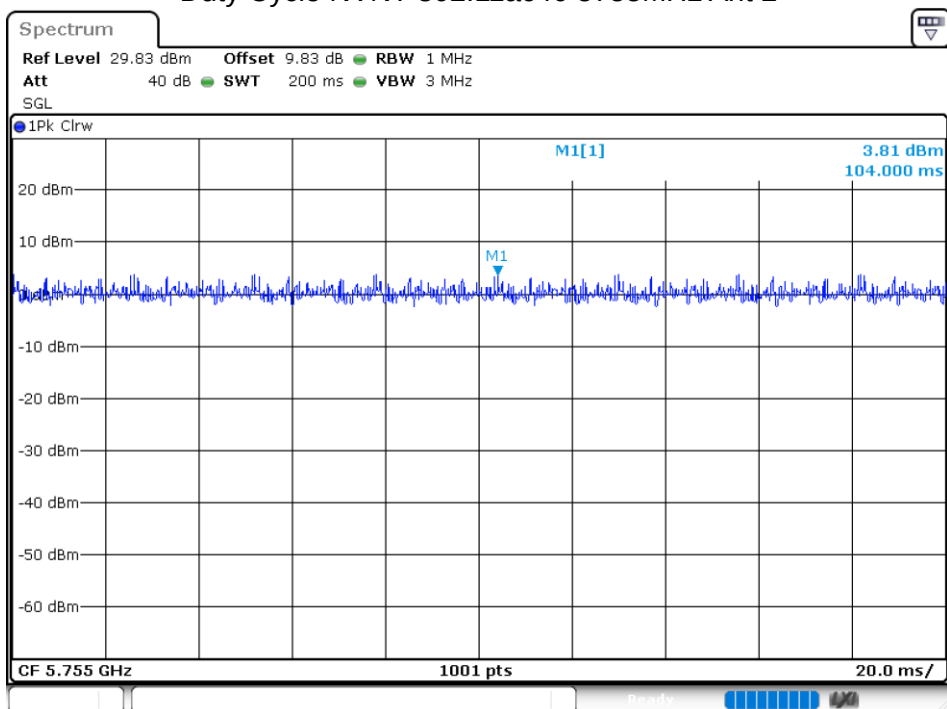
Duty Cycle NVNT 802.11ac40 5755MHz Ant 1



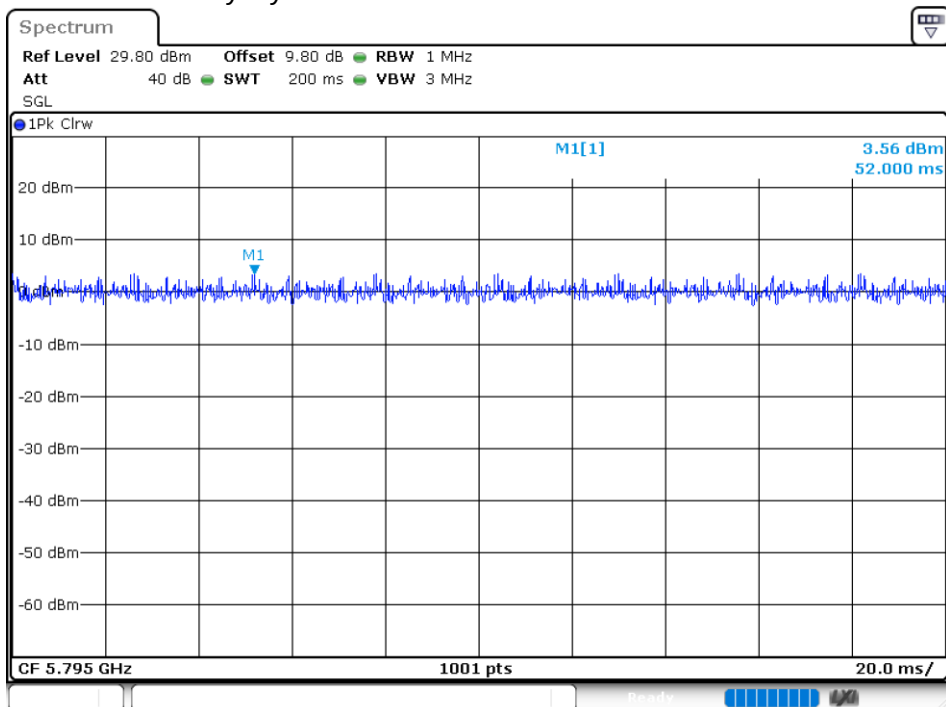
Duty Cycle NVNT 802.11ac40 5795MHz Ant 1



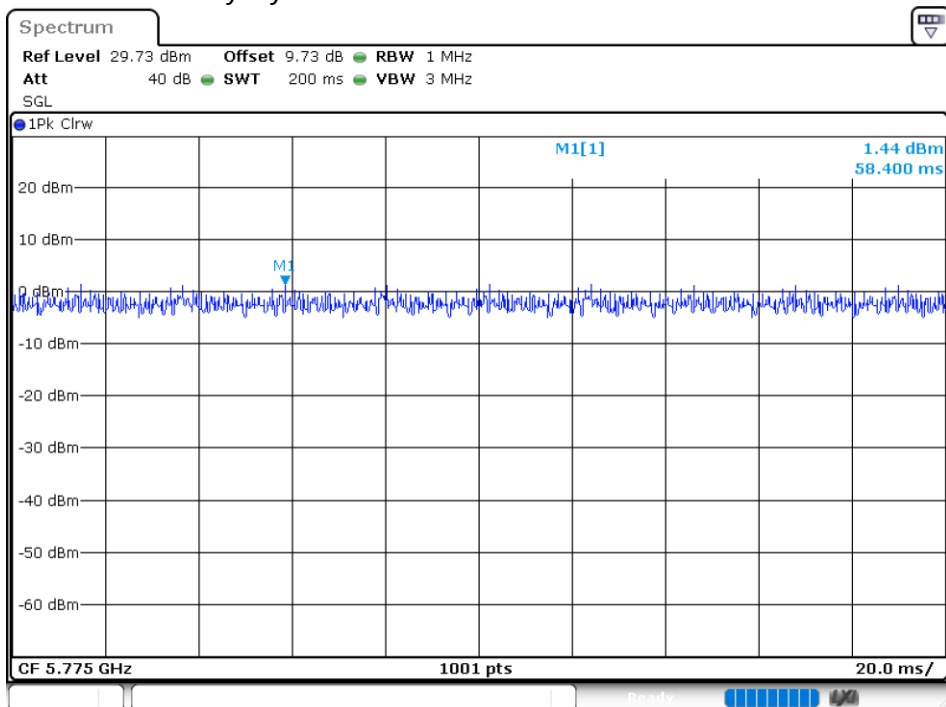
Duty Cycle NVNT 802.11ac40 5755MHz Ant 2



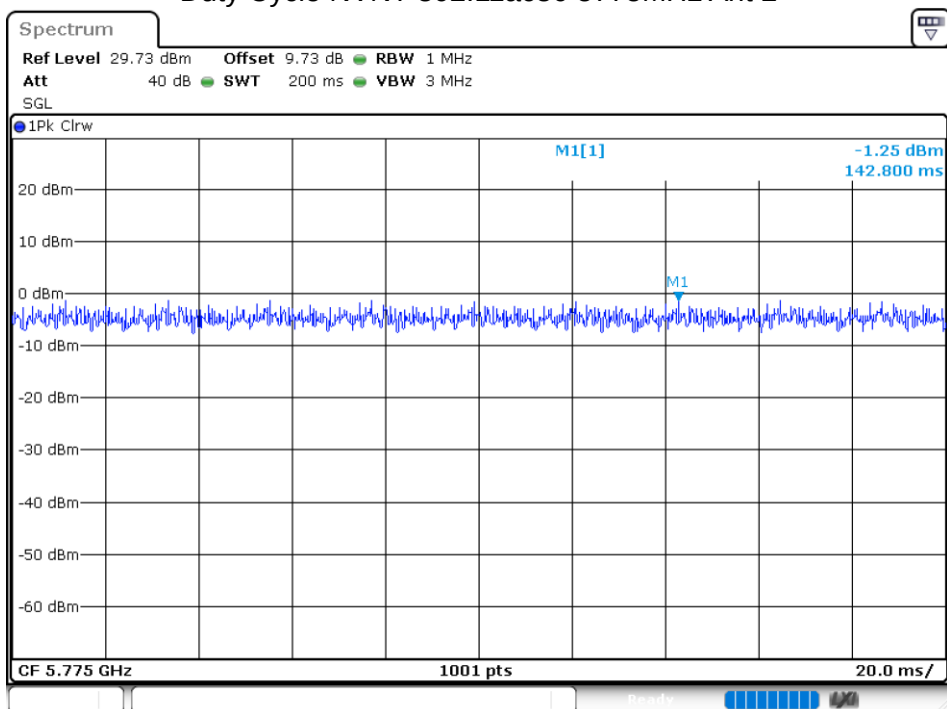
Duty Cycle NVNT 802.11ac40 5795MHz Ant 2



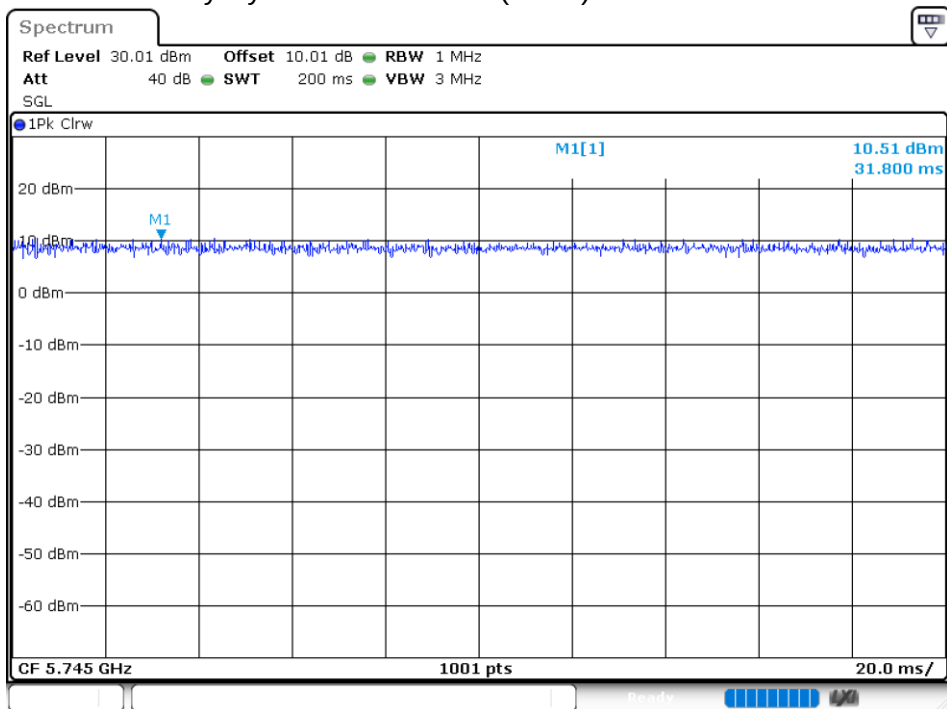
Duty Cycle NVNT 802.11ac80 5775MHz Ant 1



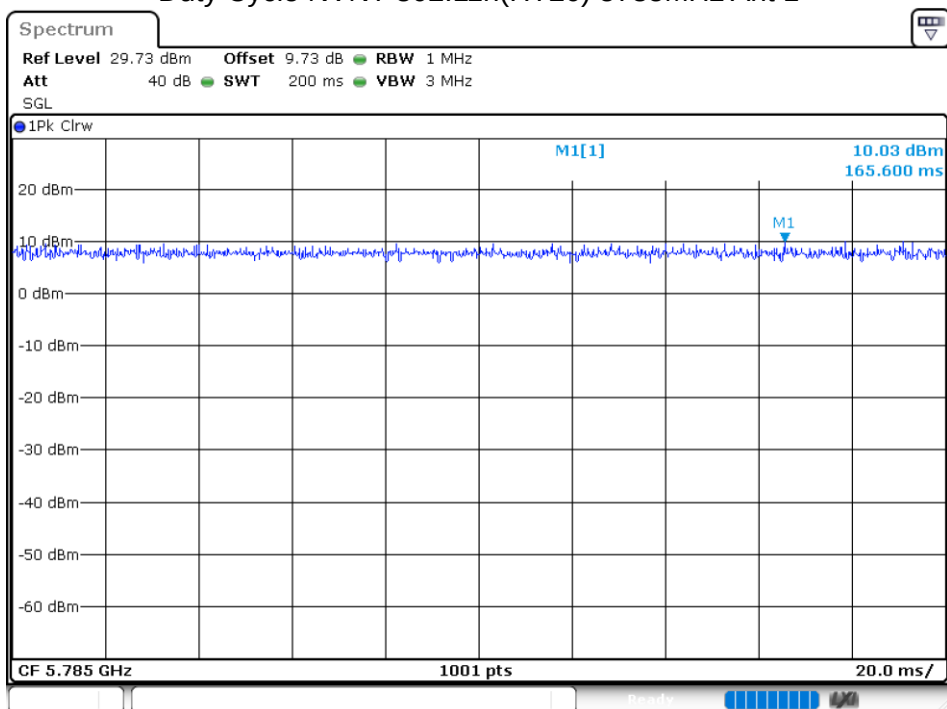
Duty Cycle NVNT 802.11ac80 5775MHz Ant 2



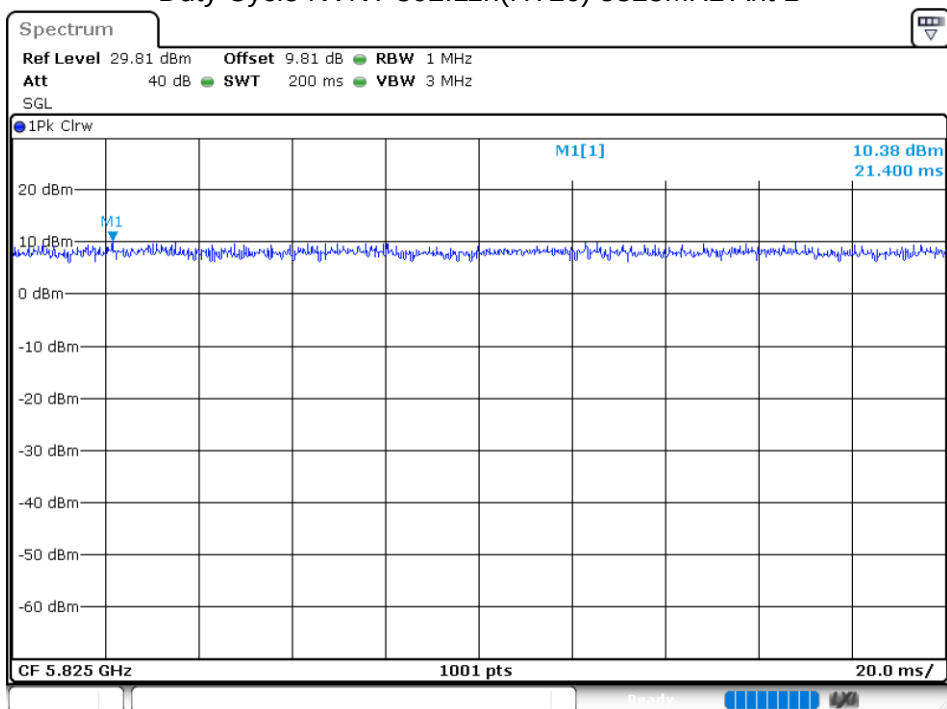
Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 1



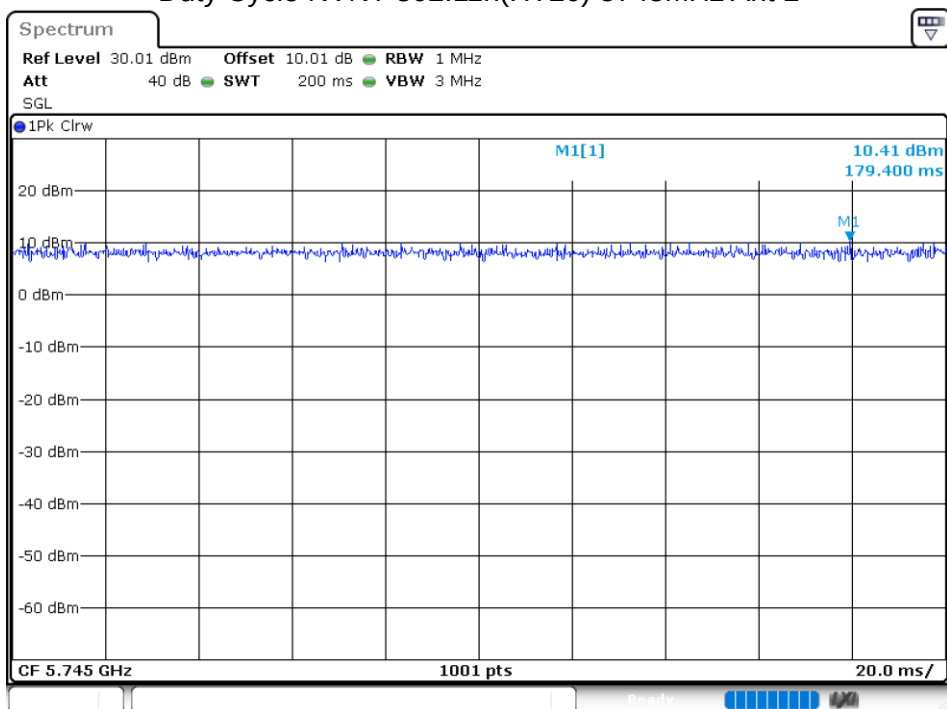
Duty Cycle NVNT 802.11n(HT20) 5785MHz Ant 1



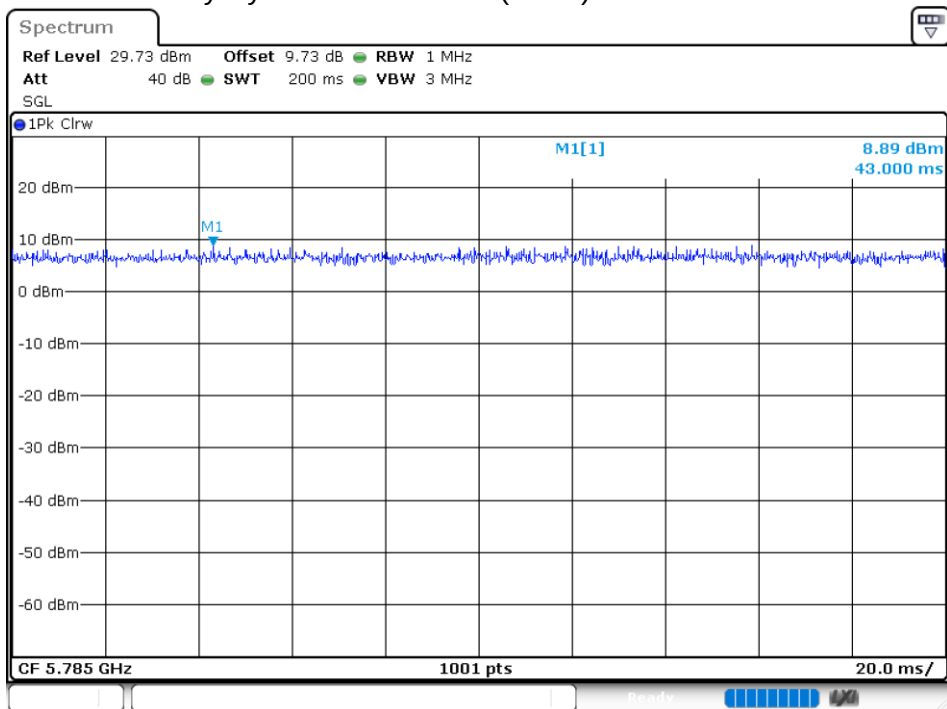
Duty Cycle NVNT 802.11n(HT20) 5825MHz Ant 1



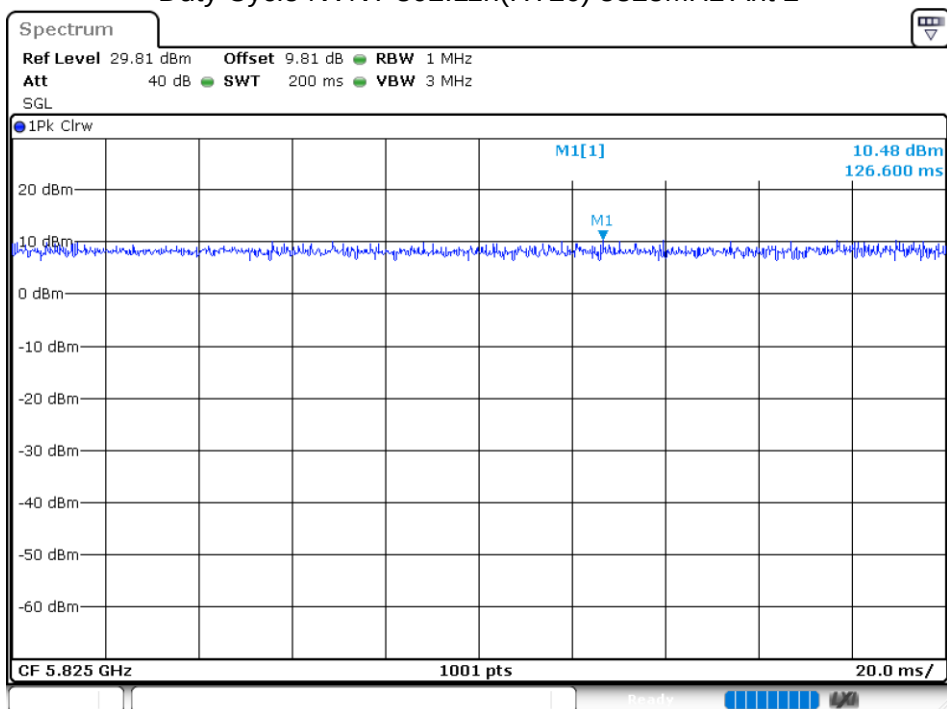
Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 2



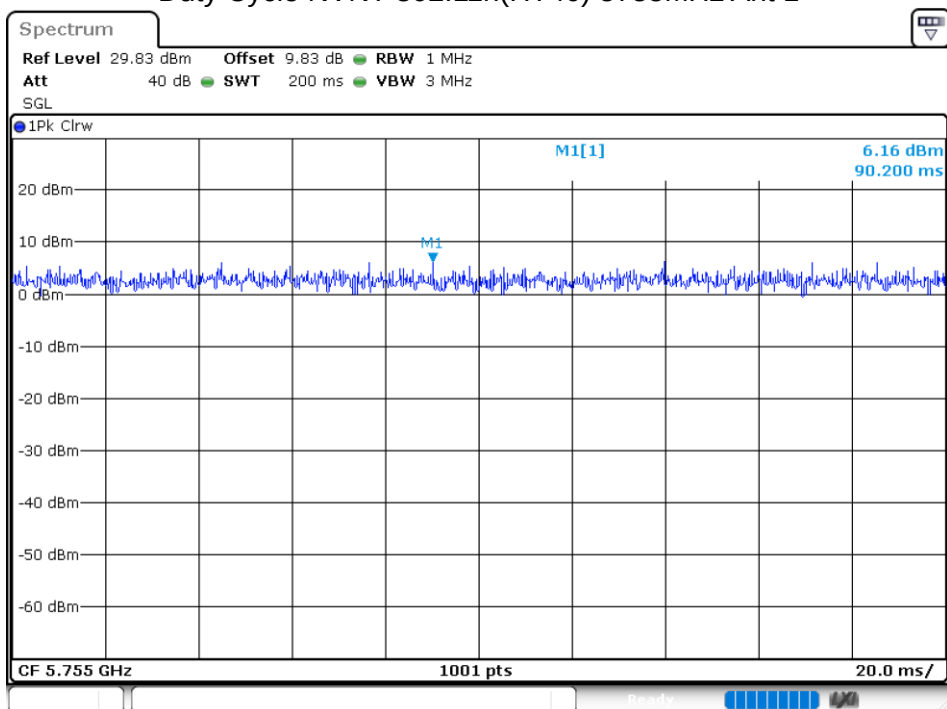
Duty Cycle NVNT 802.11n(HT20) 5785MHz Ant 2



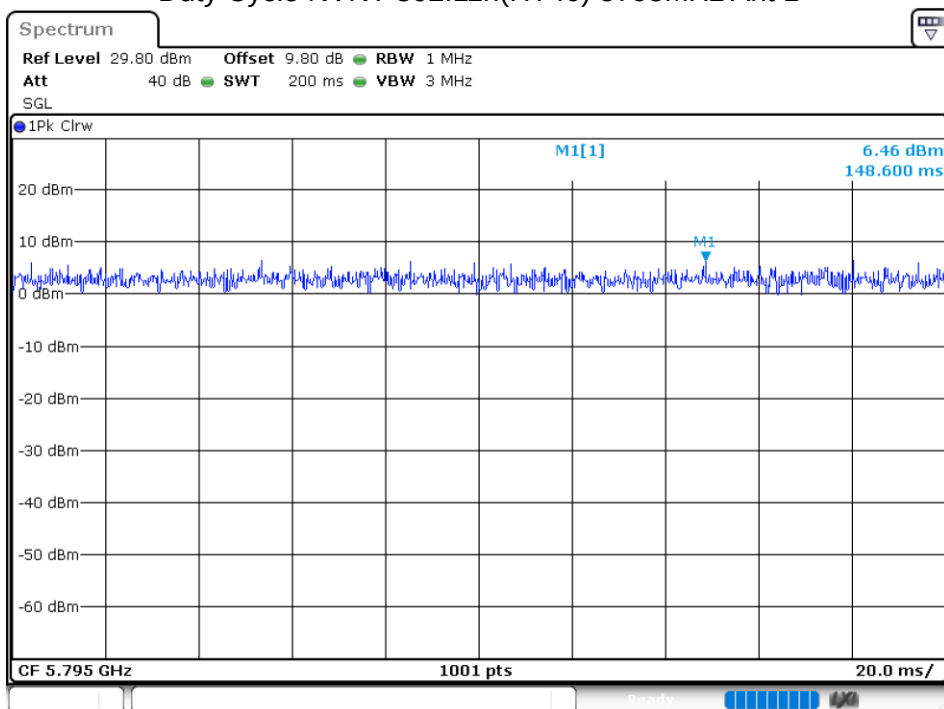
Duty Cycle NVNT 802.11n(HT20) 5825MHz Ant 2



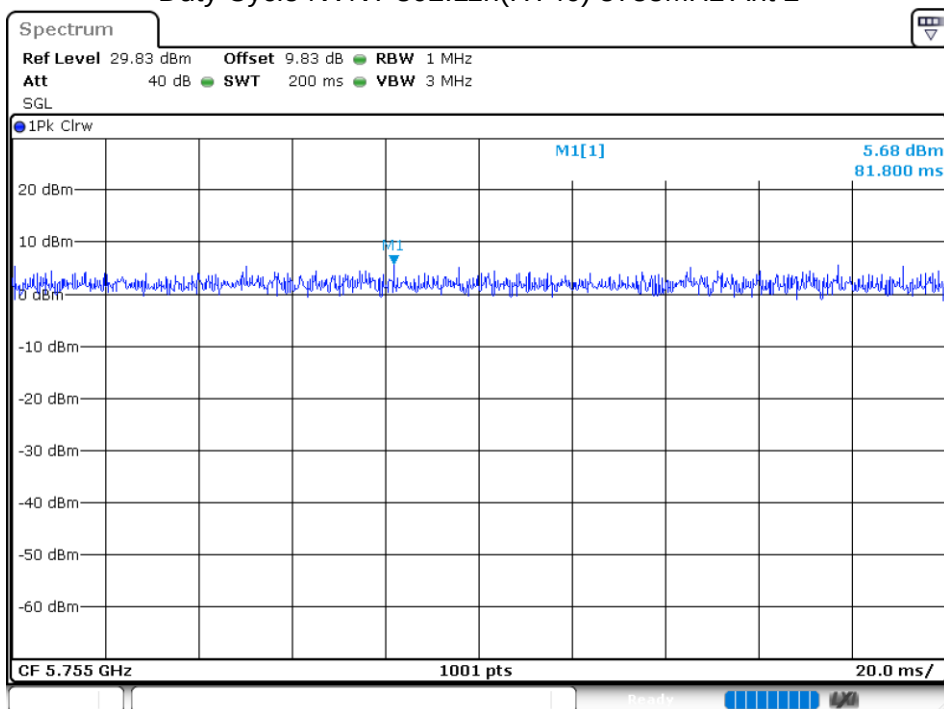
Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 1



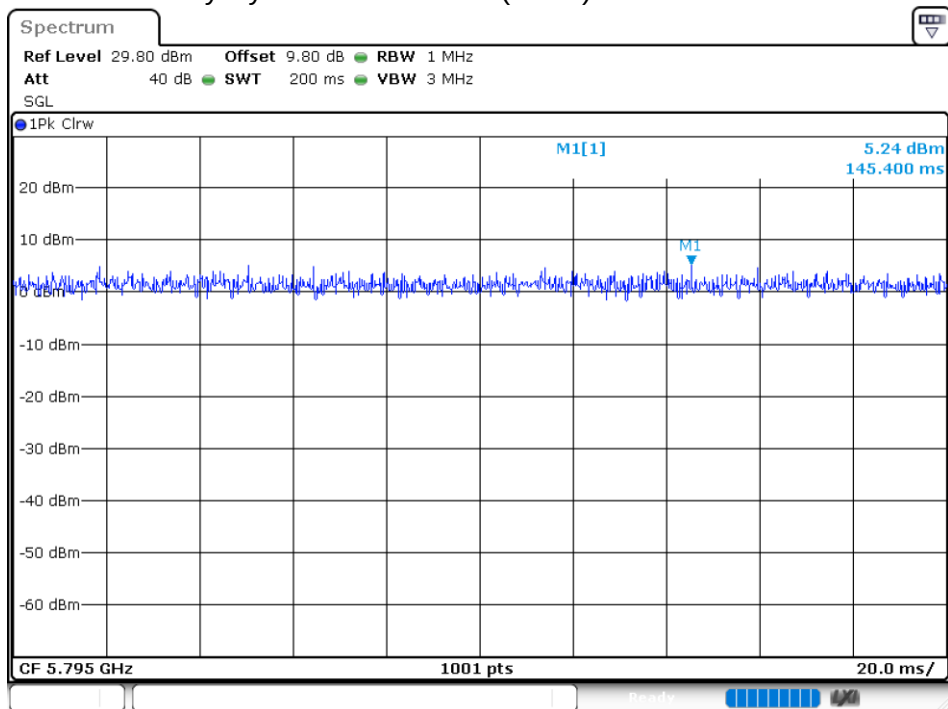
Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 1



Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 2



Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 2



11.2 MAXIMUM CONDUCTED OUTPUT POWER

5.2G:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	12.17	-	24	Pass
NVNT	802.11a	5200	Ant 1	12.66	-	24	Pass
NVNT	802.11a	5240	Ant 1	11.92	-	24	Pass
NVNT	802.11a	5180	Ant 2	11.68	-	24	Pass
NVNT	802.11a	5200	Ant 2	12.15	-	24	Pass
NVNT	802.11a	5240	Ant 2	12.35	-	24	Pass
NVNT	802.11ac20	5180	Ant 1	13.55	15.49	21.29	Pass
NVNT	802.11ac20	5180	Ant 2	11.05			
NVNT	802.11ac20	5200	Ant 1	12.1	14.88	21.29	Pass
NVNT	802.11ac20	5200	Ant 2	11.62			
NVNT	802.11ac20	5240	Ant 1	12.75	15.21	21.29	Pass
NVNT	802.11ac20	5240	Ant 2	11.57			
NVNT	802.11ac40	5190	Ant 1	8.45	11.46	21.29	Pass
NVNT	802.11ac40	5190	Ant 2	8.44			
NVNT	802.11ac40	5230	Ant 1	8.25	11.01	21.29	Pass
NVNT	802.11ac40	5230	Ant 2	7.74			
NVNT	802.11ac80	5210	Ant 1	10.47	13.02	21.29	Pass
NVNT	802.11ac80	5210	Ant 2	9.49			
NVNT	802.11n(HT20)	5180	Ant 1	13.66	15.70	21.29	Pass
NVNT	802.11n(HT20)	5180	Ant 2	11.45			
NVNT	802.11n(HT20)	5200	Ant 1	12.63	15.44	21.29	Pass
NVNT	802.11n(HT20)	5200	Ant 2	12.21			
NVNT	802.11n(HT20)	5240	Ant 1	12.01	15.13	21.29	Pass
NVNT	802.11n(HT20)	5240	Ant 2	12.23			
NVNT	802.11n(HT40)	5190	Ant 1	7.29	11.34	21.29	Pass
NVNT	802.11n(HT40)	5190	Ant 2	9.16			
NVNT	802.11n(HT40)	5230	Ant 1	8.84	12.07	21.29	Pass
NVNT	802.11n(HT40)	5230	Ant 2	9.26			

Note: Band1&Band2A&Band2C For 802.11n/ac 5GHz has MIMO mode. Directional gain=8.71dbi
 $8.71\text{dbi} > 6.0\text{dbi}$ so power density limit= $24 - (8.71 - 6) = 21.29$ in dBm

5.3G:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5260	Ant 1	13.62	-	24	Pass
NVNT	802.11a	5280	Ant 1	13.72	-	24	Pass
NVNT	802.11a	5320	Ant 1	12.4	-	24	Pass
NVNT	802.11a	5260	Ant 2	9.24	-	24	Pass
NVNT	802.11a	5280	Ant 2	10.24	-	24	Pass
NVNT	802.11a	5320	Ant 2	10.51	-	24	Pass
NVNT	802.11ac20	5260	Ant 1	12.87	14.28	21.29	Pass
NVNT	802.11ac20	5260	Ant 2	8.7			Pass
NVNT	802.11ac20	5280	Ant 1	12.91	14.88	21.29	Pass
NVNT	802.11ac20	5280	Ant 2	10.5			Pass
NVNT	802.11ac20	5320	Ant 1	11.75	13.97	21.29	Pass
NVNT	802.11ac20	5320	Ant 2	9.99			Pass
NVNT	802.11ac40	5270	Ant 1	10.85	12.99	21.29	Pass
NVNT	802.11ac40	5270	Ant 2	8.88			Pass
NVNT	802.11ac40	5310	Ant 1	10.18	12.78	21.29	Pass
NVNT	802.11ac40	5310	Ant 2	9.32			Pass
NVNT	802.11ac80	5290	Ant 1	8.17	11.46	21.29	Pass
NVNT	802.11ac80	5290	Ant 2	8.71			Pass
NVNT	802.11n(HT20)	5260	Ant 1	13.39	14.77	21.29	Pass
NVNT	802.11n(HT20)	5260	Ant 2	9.12			Pass
NVNT	802.11n(HT20)	5280	Ant 1	13.7	15.60	21.29	Pass
NVNT	802.11n(HT20)	5280	Ant 2	11.09			Pass
NVNT	802.11n(HT20)	5320	Ant 1	12.37	14.57	21.29	Pass
NVNT	802.11n(HT20)	5320	Ant 2	10.56			Pass
NVNT	802.11n(HT40)	5270	Ant 1	10.44	13.11	21.29	Pass
NVNT	802.11n(HT40)	5270	Ant 2	9.74			Pass
NVNT	802.11n(HT40)	5310	Ant 1	9.6	12.81	21.29	Pass
NVNT	802.11n(HT40)	5310	Ant 2	9.99			Pass

Note: Band1&Band2A&Band2C For 802.11n/ac 5GHz has MIMO mode. Directional gain=8.71dbi
8.71dbi>6.0dbi so power density limit= 24-(8.71-6)=21.29 in dBm

5.6G:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	12.9	-	24	Pass
NVNT	802.11a	5600	Ant 1	13.29	-	24	Pass
NVNT	802.11a	5700	Ant 1	11.75	-	24	Pass
NVNT	802.11a	5500	Ant 2	11.35	-	24	Pass
NVNT	802.11a	5600	Ant 2	11.13	-	24	Pass
NVNT	802.11a	5700	Ant 2	10.46	-	24	Pass
NVNT	802.11ac20	5500	Ant 1	7.76	12.44	21.29	Pass
NVNT	802.11ac20	5500	Ant 2	10.64			Pass
NVNT	802.11ac20	5600	Ant 1	8.62	12.60	21.29	Pass
NVNT	802.11ac20	5600	Ant 2	10.39			Pass
NVNT	802.11ac20	5700	Ant 1	6.89	11.55	21.29	Pass
NVNT	802.11ac20	5700	Ant 2	9.73			Pass
NVNT	802.11ac40	5510	Ant 1	10.08	12.10	21.29	Pass
NVNT	802.11ac40	5510	Ant 2	7.81			Pass
NVNT	802.11ac40	5590	Ant 1	11.87	13.78	21.29	Pass
NVNT	802.11ac40	5590	Ant 2	9.29			Pass
NVNT	802.11ac40	5670	Ant 1	10.18	12.34	21.29	Pass
NVNT	802.11ac40	5670	Ant 2	8.26			Pass
NVNT	802.11ac80	5530	Ant 1	8.28	11.45	21.29	Pass
NVNT	802.11ac80	5530	Ant 2	8.6			Pass
NVNT	802.11ac80	5610	Ant 1	9.78	12.79	21.29	Pass
NVNT	802.11ac80	5610	Ant 2	9.78			Pass
NVNT	802.11n(HT20)	5500	Ant 1	13.67	15.60	21.29	Pass
NVNT	802.11n(HT20)	5500	Ant 2	11.16			Pass
NVNT	802.11n(HT20)	5600	Ant 1	13.13	15.28	21.29	Pass
NVNT	802.11n(HT20)	5600	Ant 2	11.2			Pass
NVNT	802.11n(HT20)	5700	Ant 1	11.74	14.10	21.29	Pass
NVNT	802.11n(HT20)	5700	Ant 2	10.33			Pass
NVNT	802.11n(HT40)	5510	Ant 1	12.02	14.42	21.29	Pass
NVNT	802.11n(HT40)	5510	Ant 2	10.7			Pass
NVNT	802.11n(HT40)	5590	Ant 1	12.85	14.64	21.29	Pass
NVNT	802.11n(HT40)	5590	Ant 2	9.94			Pass
NVNT	802.11n(HT40)	5670	Ant 1	11.53	13.55	21.29	Pass
NVNT	802.11n(HT40)	5670	Ant 2	9.26			Pass

Note: Band1&Band2A&Band2C For 802.11n/ac 5GHz has MIMO mode. Directional gain=8.71dbi
 $8.71\text{dbi} > 6.0\text{dbi}$ so power density limit= $24 - (8.71 - 6) = 21.29$ in dBm

5.8G:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	13.65	-	30	Pass
NVNT	802.11a	5785	Ant 1	13.34	-	30	Pass
NVNT	802.11a	5825	Ant 1	13.28	-	30	Pass
NVNT	802.11a	5745	Ant 2	13.3	-	30	Pass
NVNT	802.11a	5785	Ant 2	11.79	-	30	Pass
NVNT	802.11a	5825	Ant 2	13.57	-	30	Pass
NVNT	802.11ac20	5745	Ant 1	13.1	16.01	27.29	Pass
NVNT	802.11ac20	5745	Ant 2	12.89			Pass
NVNT	802.11ac20	5785	Ant 1	12.52	14.91	27.29	Pass
NVNT	802.11ac20	5785	Ant 2	11.18			Pass
NVNT	802.11ac20	5825	Ant 1	12.61	15.83	27.29	Pass
NVNT	802.11ac20	5825	Ant 2	13.02			Pass
NVNT	802.11ac40	5755	Ant 1	12.72	15.51	27.29	Pass
NVNT	802.11ac40	5755	Ant 2	12.26			Pass
NVNT	802.11ac40	5795	Ant 1	12.44	15.05	27.29	Pass
NVNT	802.11ac40	5795	Ant 2	11.59			Pass
NVNT	802.11ac80	5775	Ant 1	12.43	14.97	27.29	Pass
NVNT	802.11ac80	5775	Ant 2	11.44			Pass
NVNT	802.11n(HT20)	5745	Ant 1	13.82	16.53	27.29	Pass
NVNT	802.11n(HT20)	5745	Ant 2	13.2			Pass
NVNT	802.11n(HT20)	5785	Ant 1	13.12	15.42	27.29	Pass
NVNT	802.11n(HT20)	5785	Ant 2	11.55			Pass
NVNT	802.11n(HT20)	5825	Ant 1	13.42	16.47	27.29	Pass
NVNT	802.11n(HT20)	5825	Ant 2	13.49			Pass
NVNT	802.11n(HT40)	5755	Ant 1	13.83	16.46	27.29	Pass
NVNT	802.11n(HT40)	5755	Ant 2	13.03			Pass
NVNT	802.11n(HT40)	5795	Ant 1	13.34	15.93	27.29	Pass
NVNT	802.11n(HT40)	5795	Ant 2	12.46			Pass

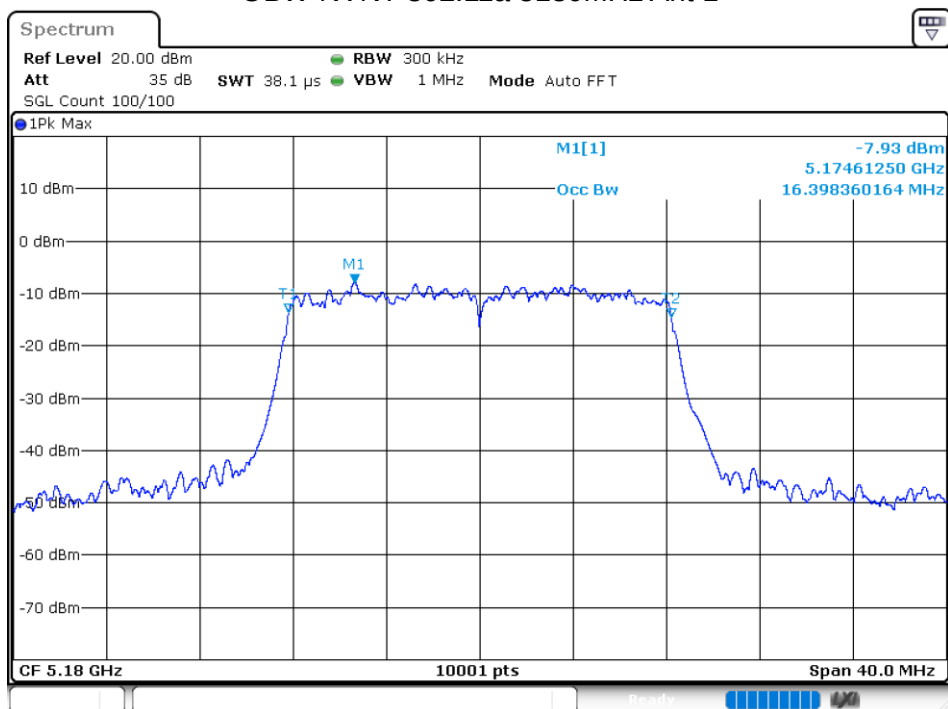
Band3 For 802.11n/ac 5GHz has MIMO mode. Directional gain=8.71dbi
 $8.71\text{dbi} > 6.0\text{dbi}$ so power density limit= $30 - (8.71 - 6) = 27.29$ in dBm

11.3 OCCUPIED CHANNEL BANDWIDTH

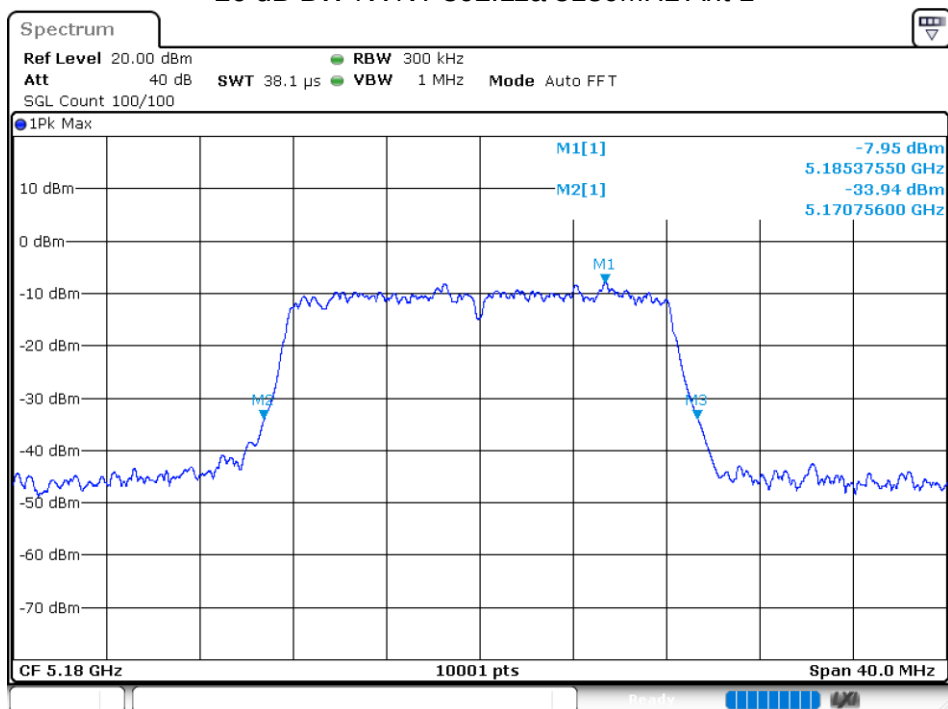
5.2G:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	16.3984	18.572	Pass
NVNT	802.11a	5200	Ant 1	17.0543	21.764	Pass
NVNT	802.11a	5240	Ant 1	16.9743	21.604	Pass
NVNT	802.11a	5180	Ant 2	16.8863	21.552	Pass
NVNT	802.11a	5200	Ant 2	17.1583	21.228	Pass
NVNT	802.11a	5240	Ant 2	16.9863	21.724	Pass
NVNT	802.11ac20	5180	Ant 1	18.0582	21.528	Pass
NVNT	802.11ac20	5200	Ant 1	18.1342	21.724	Pass
NVNT	802.11ac20	5240	Ant 1	18.1182	21.492	Pass
NVNT	802.11ac20	5180	Ant 2	18.1582	21.476	Pass
NVNT	802.11ac20	5200	Ant 2	17.7742	21.624	Pass
NVNT	802.11ac20	5240	Ant 2	17.9622	22.148	Pass
NVNT	802.11ac40	5190	Ant 1	36.3964	40.088	Pass
NVNT	802.11ac40	5230	Ant 1	36.3964	40.04	Pass
NVNT	802.11ac40	5190	Ant 2	36.2364	39.696	Pass
NVNT	802.11ac40	5230	Ant 2	36.5003	40.448	Pass
NVNT	802.11ac80	5210	Ant 1	76.1204	82.208	Pass
NVNT	802.11ac80	5210	Ant 2	75.7844	81.952	Pass
NVNT	802.11n(HT20)	5180	Ant 1	18.1622	21.788	Pass
NVNT	802.11n(HT20)	5200	Ant 1	18.3302	21.844	Pass
NVNT	802.11n(HT20)	5240	Ant 1	18.1662	21.46	Pass
NVNT	802.11n(HT20)	5180	Ant 2	18.0462	21.116	Pass
NVNT	802.11n(HT20)	5200	Ant 2	17.9902	21.524	Pass
NVNT	802.11n(HT20)	5240	Ant 2	18.2102	21.856	Pass
NVNT	802.11n(HT40)	5190	Ant 1	36.4204	40.528	Pass
NVNT	802.11n(HT40)	5230	Ant 1	36.3884	40.208	Pass
NVNT	802.11n(HT40)	5190	Ant 2	36.2284	40.232	Pass
NVNT	802.11n(HT40)	5230	Ant 2	36.5323	40.6	Pass

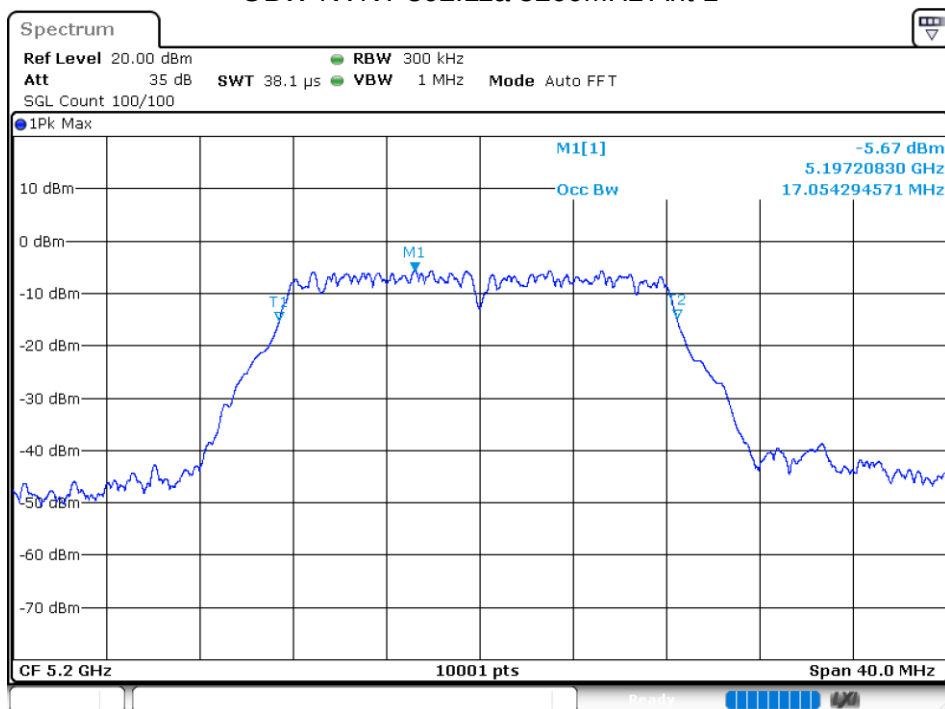
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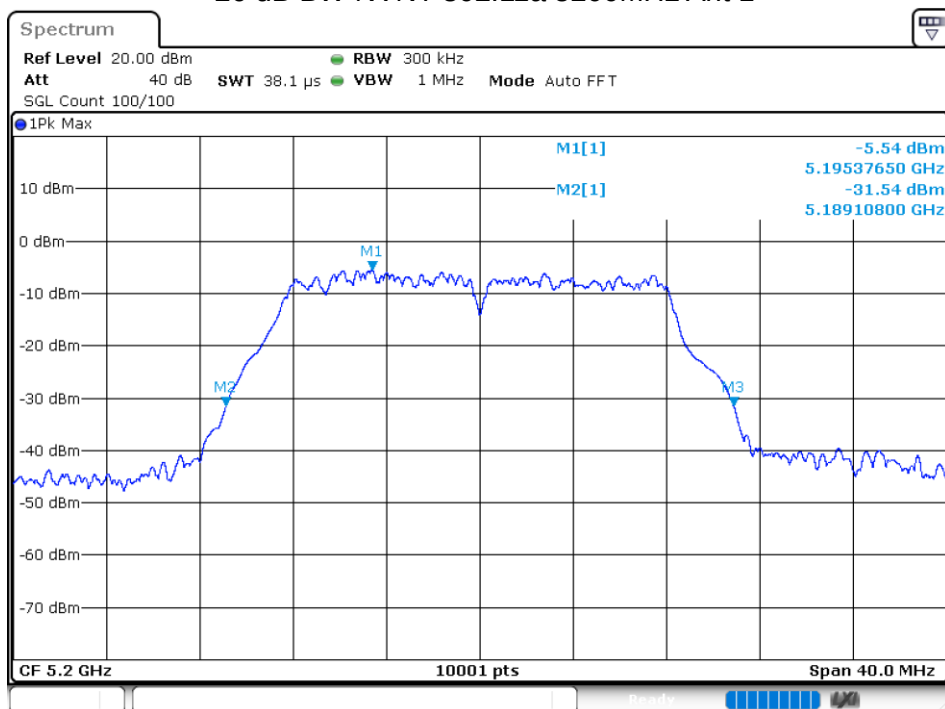
-26 dB BW NVNT 802.11a 5180MHz Ant 1



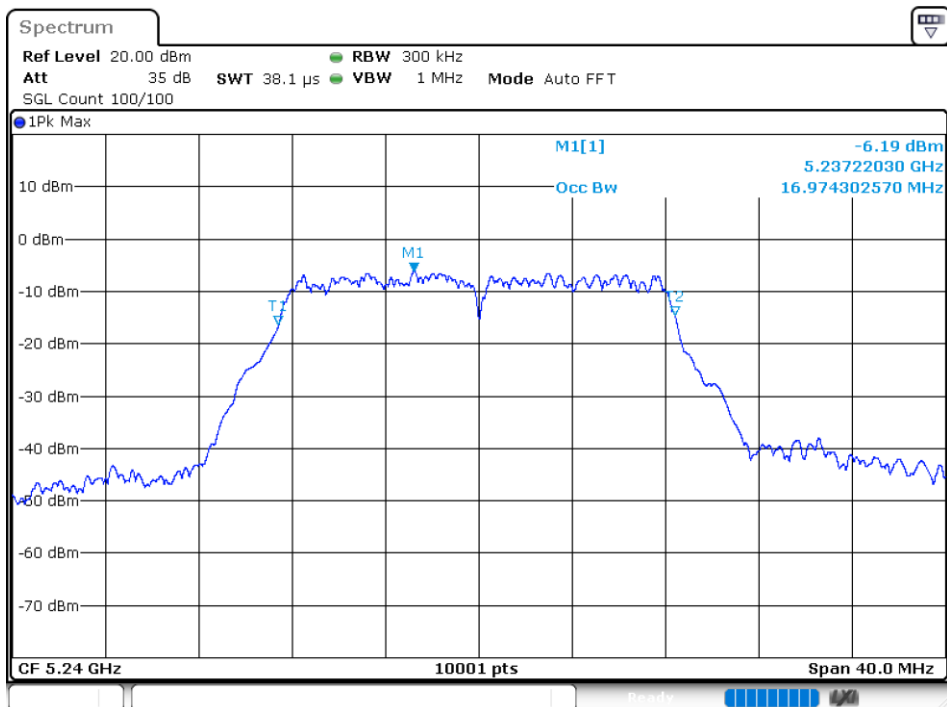
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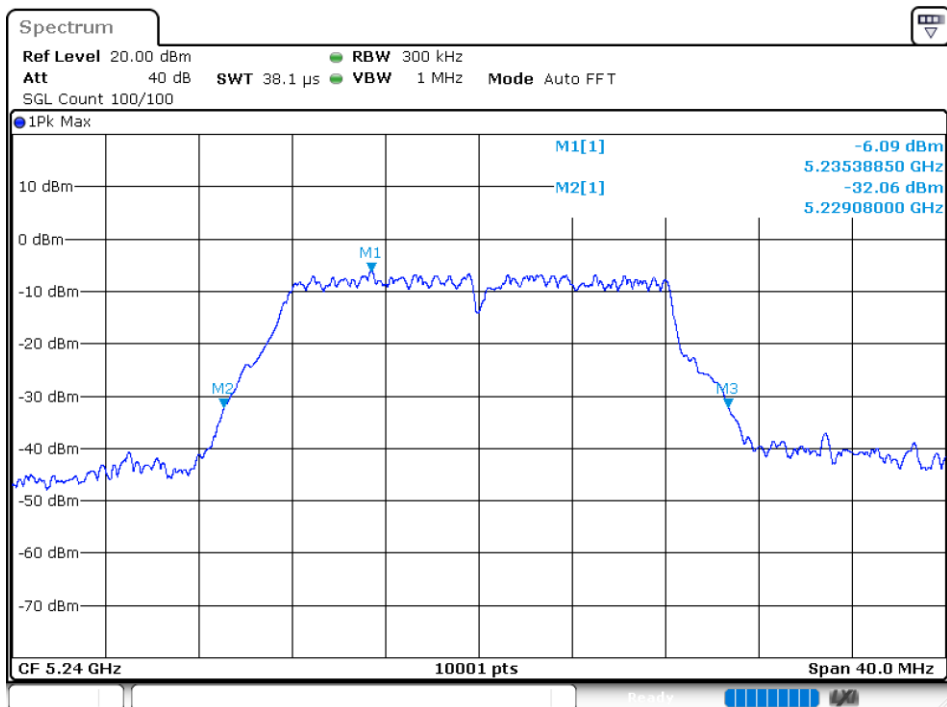
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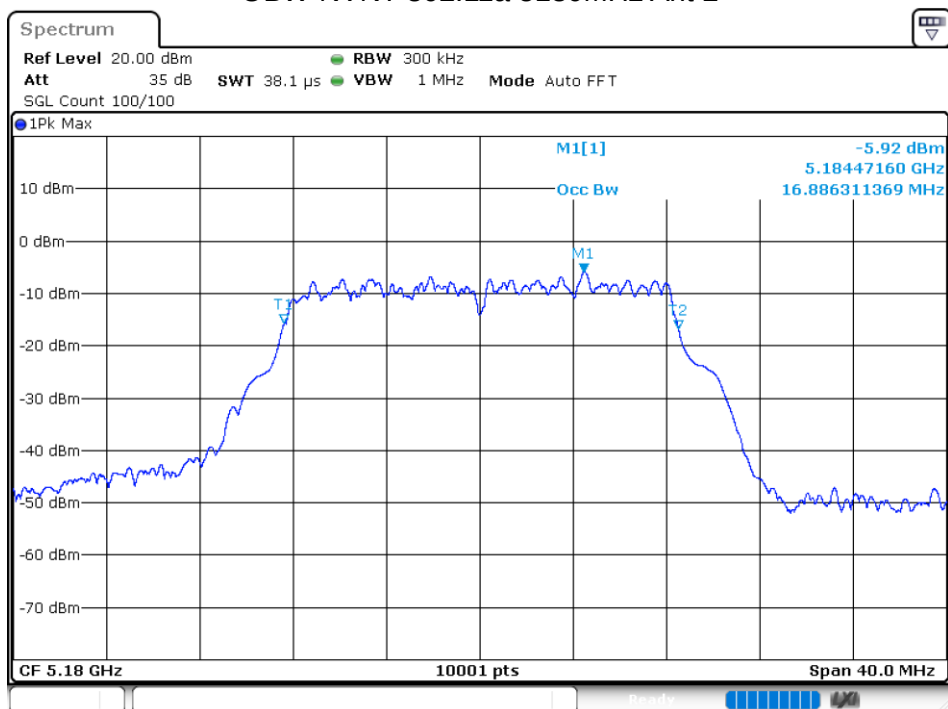
OBW NVNT 802.11a 5240MHz Ant 1



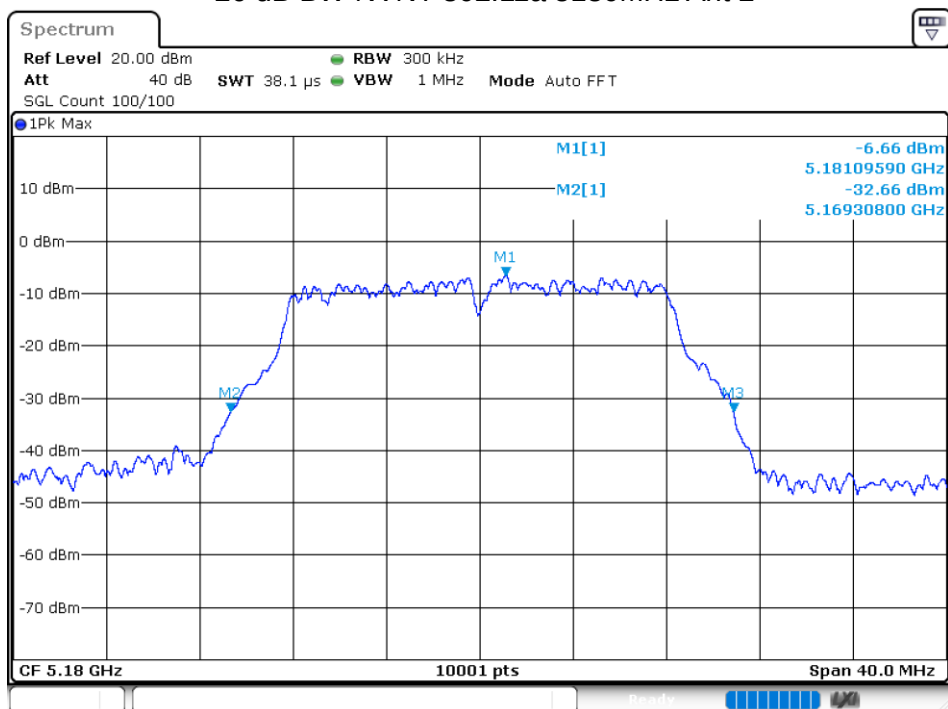
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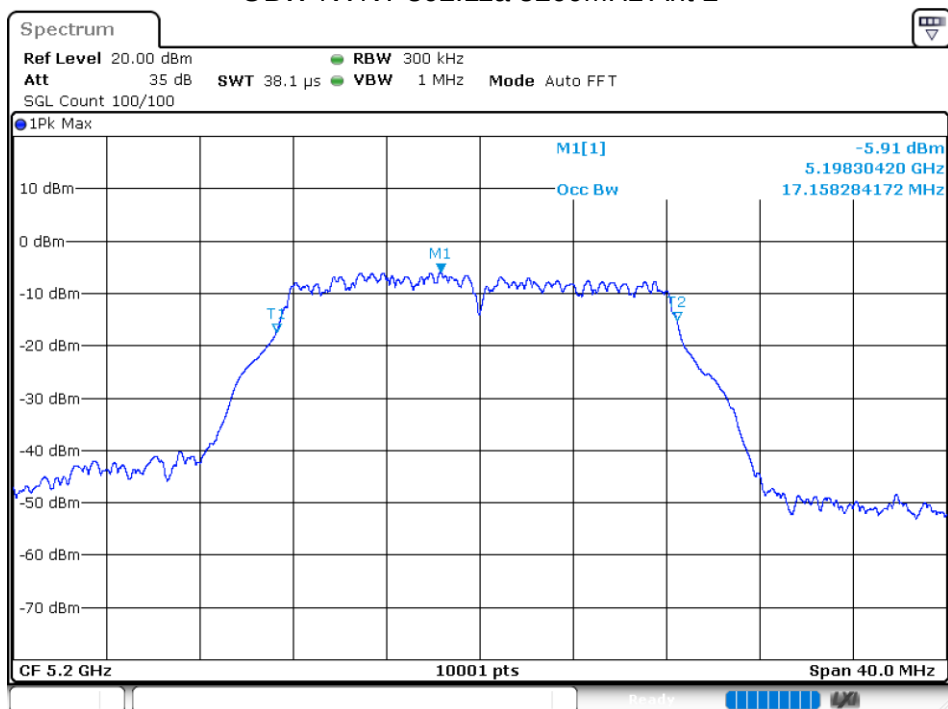
OBW NVNT 802.11a 5180MHz Ant 2



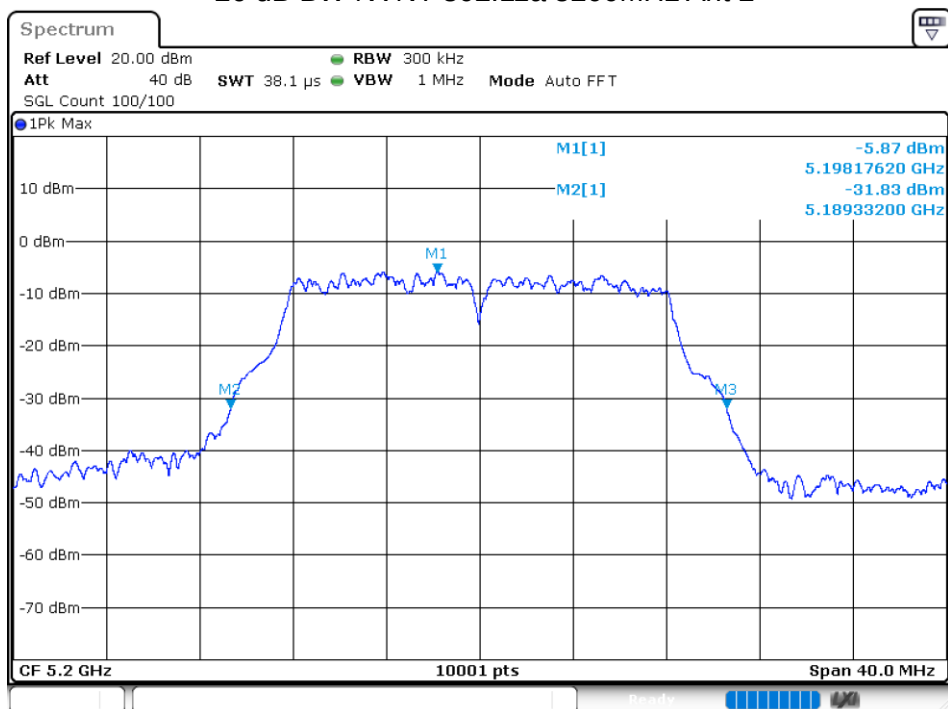
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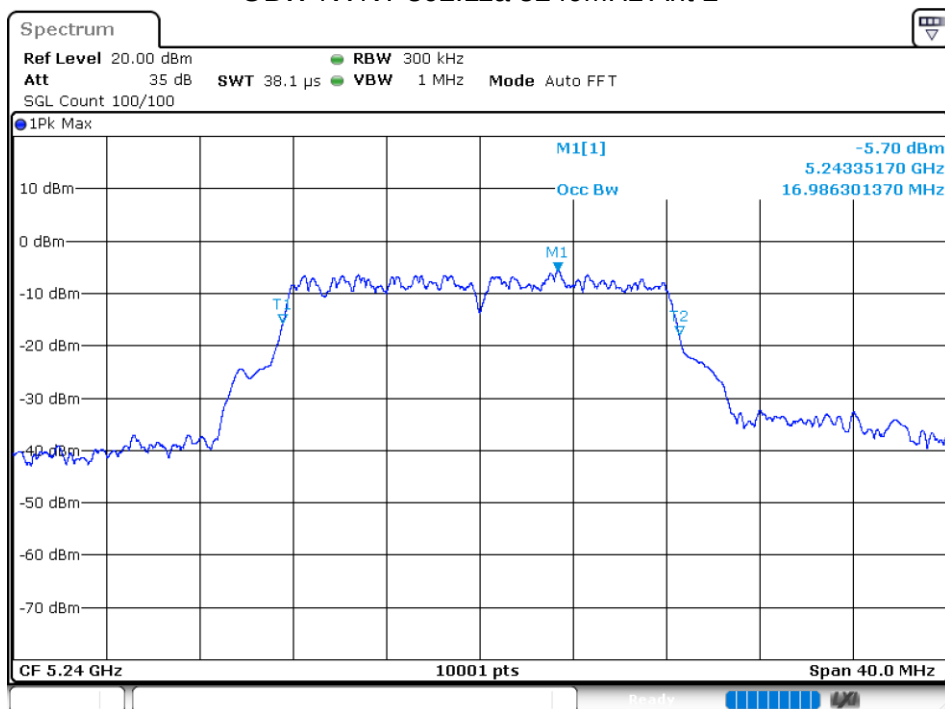
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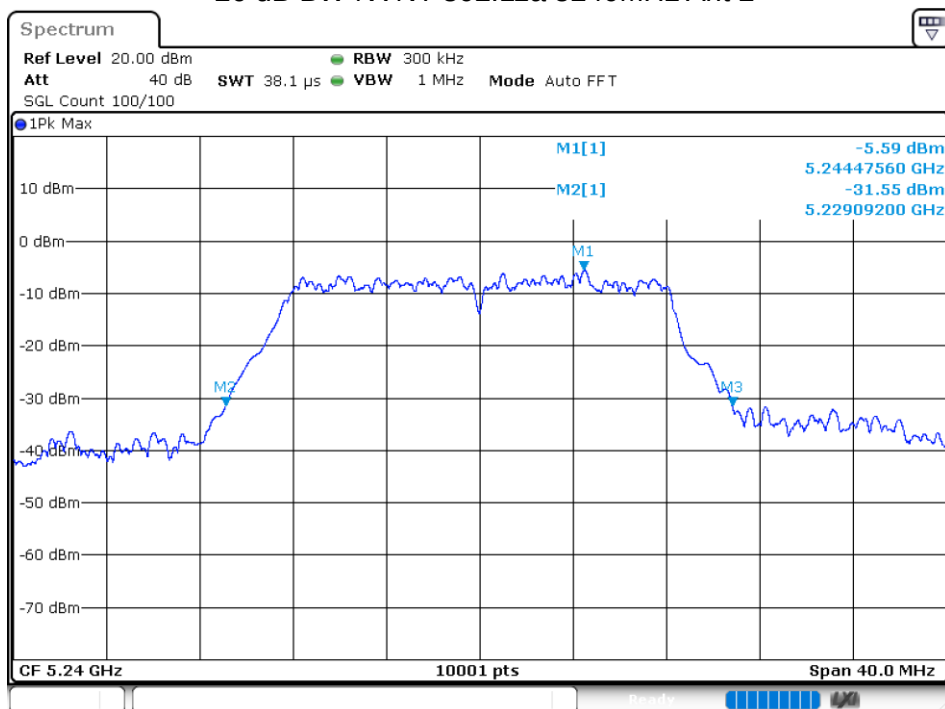
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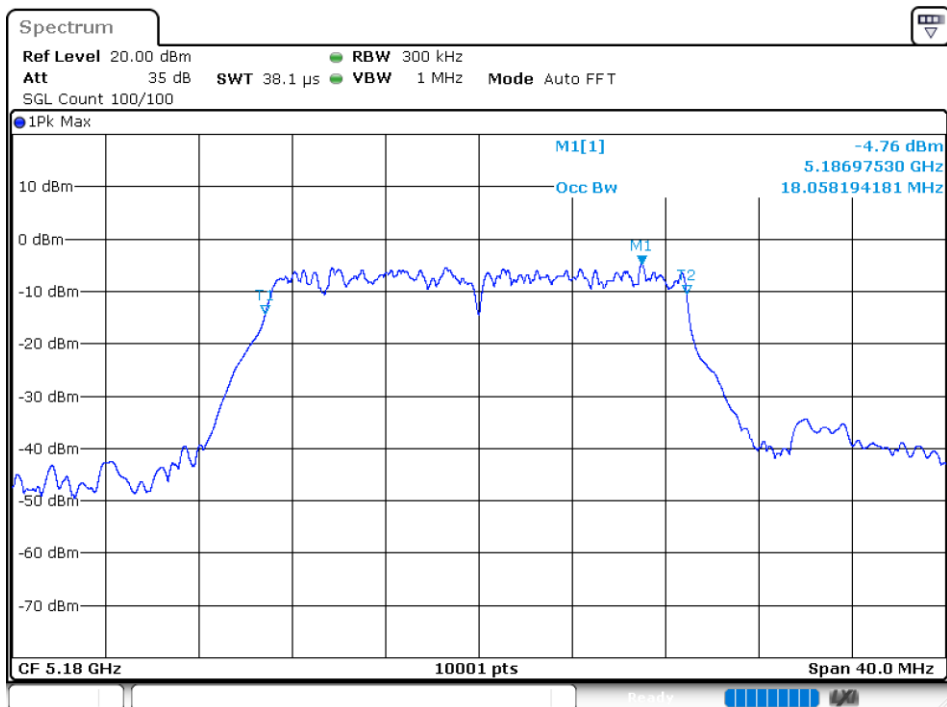
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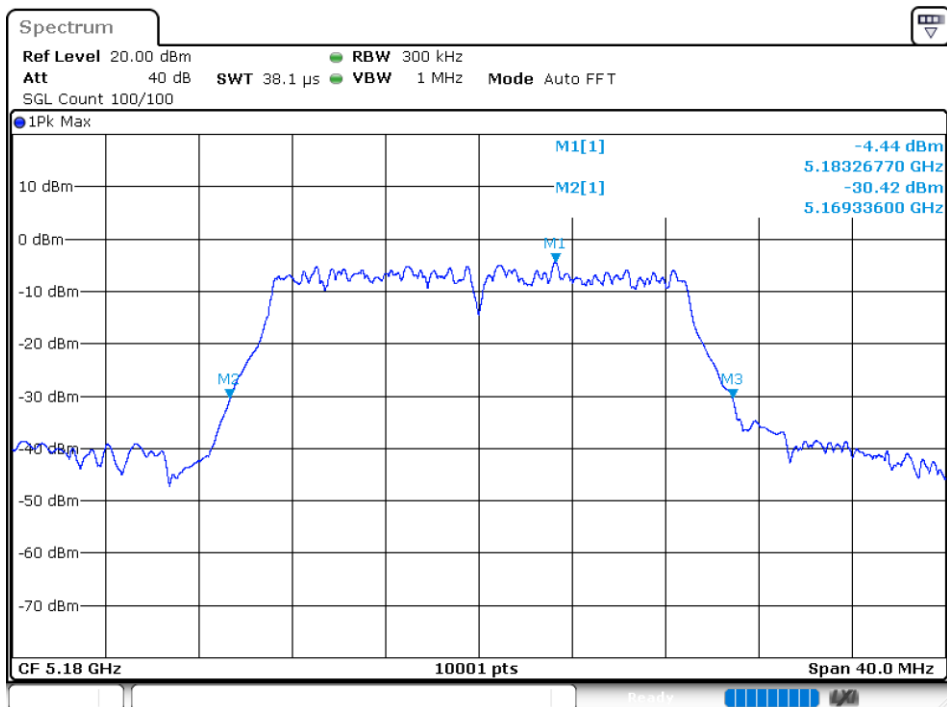
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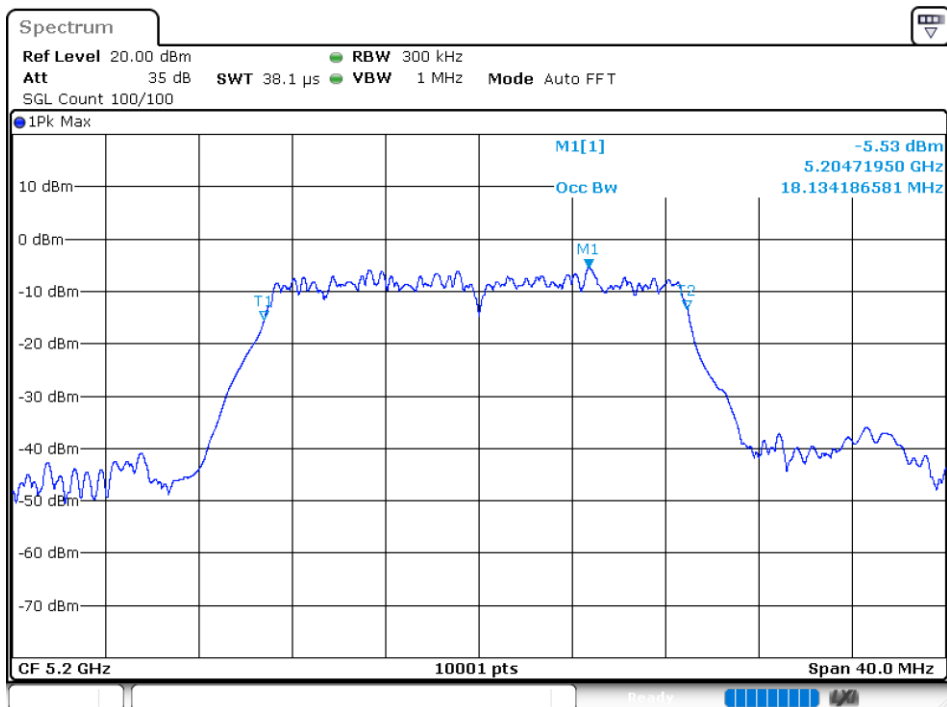
OBW NVNT 802.11ac20 5180MHz Ant 1



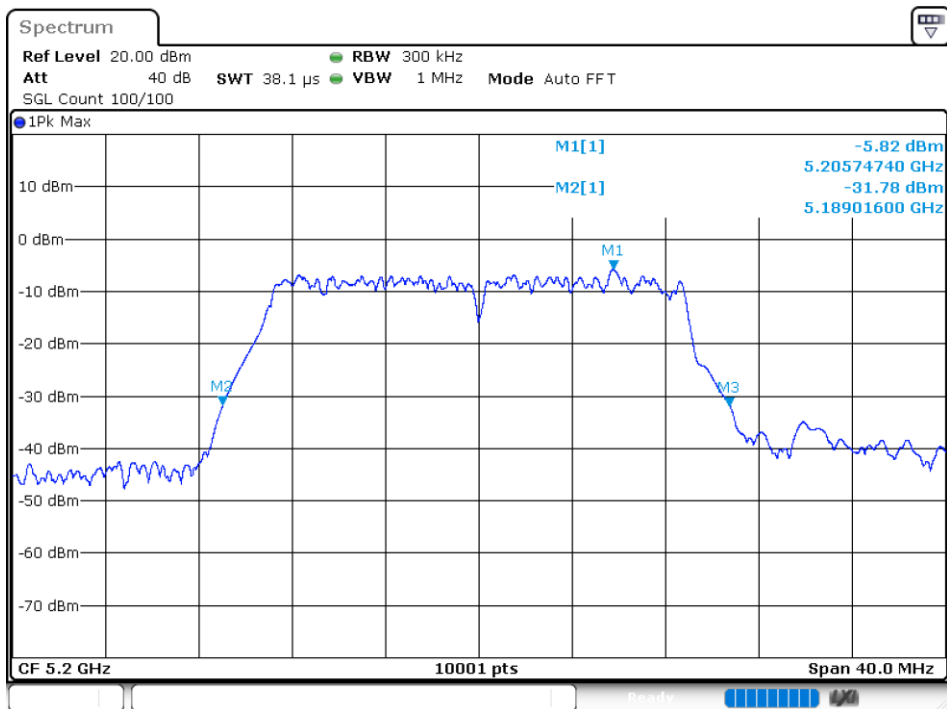
-26 dB BW NVNT 802.11ac20 5180MHz Ant 1



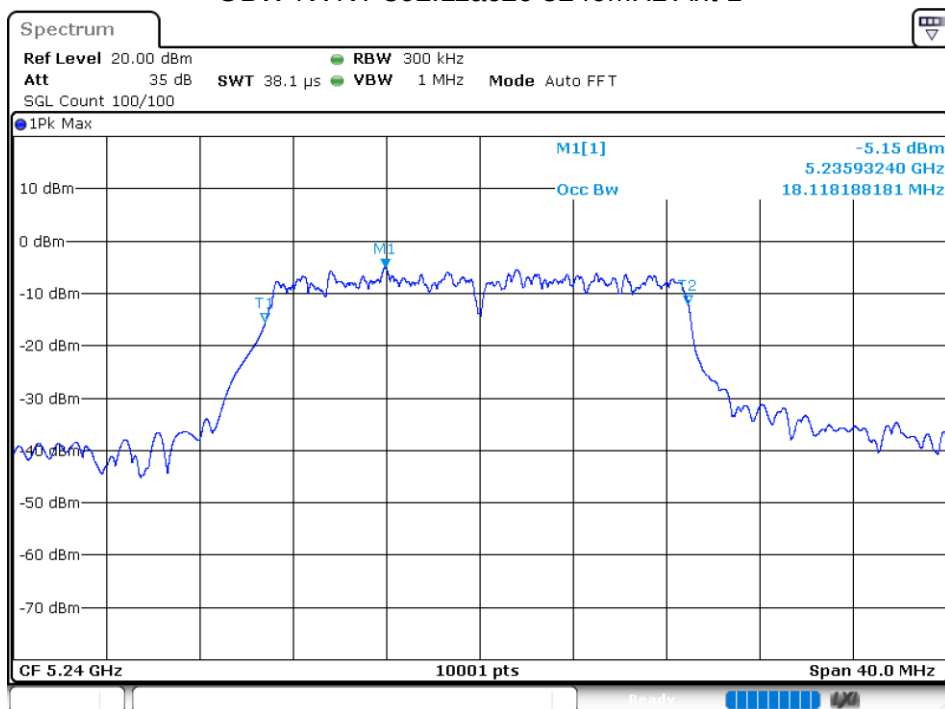
OBW NVNT 802.11ac20 5200MHz Ant 1



-26 dB BW NVNT 802.11ac20 5200MHz Ant 1



OBW NVNT 802.11ac20 5240MHz Ant 1



-26 dB BW NVNT 802.11ac20 5240MHz Ant 1

