

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	3.85	5240.0454	5240	0.0454	-8.6733
		V max (V)	4.20	5240.0679	5240	0.0679	-12.9563
		V min (V)	3.40	5240.0681	5240	0.0681	-12.9978
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.85	T (°C)	-20	5240.0761	5240	0.0761	-14.5217
		T (°C)	-10	5240.0722	5240	0.0722	-13.7747
		T (°C)	0	5240.0490	5240	0.0490	-9.3439
		T (°C)	10	5240.0073	5240	0.0073	-1.3977
		T (°C)	20	5240.0196	5240	0.0196	-3.7327
		T (°C)	30	5240.0117	5240	0.0117	-2.2313
		T (°C)	40	5240.0255	5240	0.0255	-4.8747
		T (°C)	50	5240.0541	5240	0.0541	-10.3194
		T (°C)	60	5240.0455	5240	0.0455	-8.6827
		T (°C)	70	5240.0587	5240	0.0587	-11.2095
Limits				± 20 ppm			
Result				Complies			

EUT :	Mobile Phone	Model Name. :	Armor X6 Pro
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1012 hPa	Test Voltage :	DC 3.85V
Test Mode :	TX Frequency(5745-5825MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	3.85	5745.0631	5745	0.06314	-10.9908
		V max (V)	4.20	5745.0703	5745	0.07030	-12.2371
		V min (V)	3.40	5745.0650	5745	0.06498	-11.3112
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.85	T (°C)	-20	5745.0501	5745	0.05013	-8.7255
		T (°C)	-10	5745.0504	5745	0.05042	-8.7763
		T (°C)	0	5745.0023	5745	0.00231	-0.4013
		T (°C)	10	5745.0797	5745	0.07973	-13.8777
		T (°C)	20	5745.0774	5745	0.07739	-13.4700
		T (°C)	30	5745.0763	5745	0.07635	-13.2890
		T (°C)	40	5745.0530	5745	0.05296	-9.2189
		T (°C)	50	5745.0503	5745	0.05034	-8.7632
		T (°C)	60	5745.0441	5745	0.04407	-7.6709
		T (°C)	70	5745.0295	5745	0.02950	-5.1347
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (° C)	20	V nom (V)	3.85	5785.0036	5785	0.00363	-0.6280
		V max (V)	4.20	5785.0701	5785	0.07014	-12.1250
		V min (V)	3.40	5785.0292	5785	0.02918	-5.0439
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.85	T (°C)	-20	5785.0333	5785	0.03326	-5.7502
		T (°C)	-10	5785.0182	5785	0.01816	-3.1391
		T (°C)	0	5785.0398	5785	0.03976	-6.8733
		T (°C)	10	5785.0635	5785	0.06350	-10.9763
		T (°C)	20	5785.0416	5785	0.04164	-7.1977
		T (°C)	30	5785.0743	5785	0.07427	-12.8381
		T (°C)	40	5785.0423	5785	0.04226	-7.3053
		T (°C)	50	5785.0711	5785	0.07107	-12.2848
		T (°C)	60	5785.0622	5785	0.06225	-10.7604
		T (°C)	70	5785.0721	5785	0.07210	-12.4637
Limits				± 20 ppm			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	3.85	5825.0404	5825	0.04043	-6.9407
		V max (V)	4.20	5825.0614	5825	0.06142	-10.5438
		V min (V)	3.40	5825.0188	5825	0.01876	-3.2213
Limits				± 20 ppm			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.85	T (°C)	-20	5825.0339	5825	0.03395	-5.8280
		T (°C)	-10	5825.0138	5825	0.01385	-2.3770
		T (°C)	0	5825.0681	5825	0.06812	-11.6943
		T (°C)	10	5825.0657	5825	0.06570	-11.2797
		T (°C)	20	5825.0499	5825	0.04993	-8.5709
		T (°C)	30	5825.0499	5825	0.04991	-8.5684
		T (°C)	40	5825.0397	5825	0.03970	-6.8159
		T (°C)	50	5825.0669	5825	0.06691	-11.4872
		T (°C)	60	5825.0452	5825	0.04518	-7.7554
		T (°C)	70	5825.0218	5825	0.02183	-3.7485
Limits				± 20 ppm			
Result				Complies			

4. ANTENNA REQUIREMENT

4.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

4.2 EUT ANTENNA

The EUT antenna is permanent attached FPC antenna (antenna gain: 0.5dBi). It comply with the standard requirement.

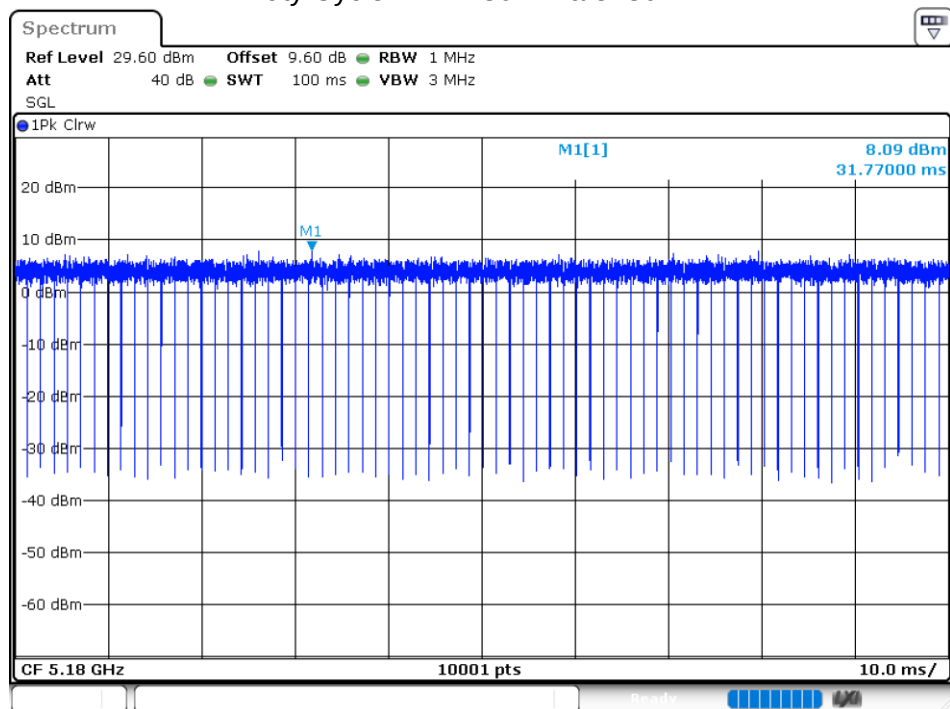
5. TEST RESULTS

5.1 DUTY CYCLE

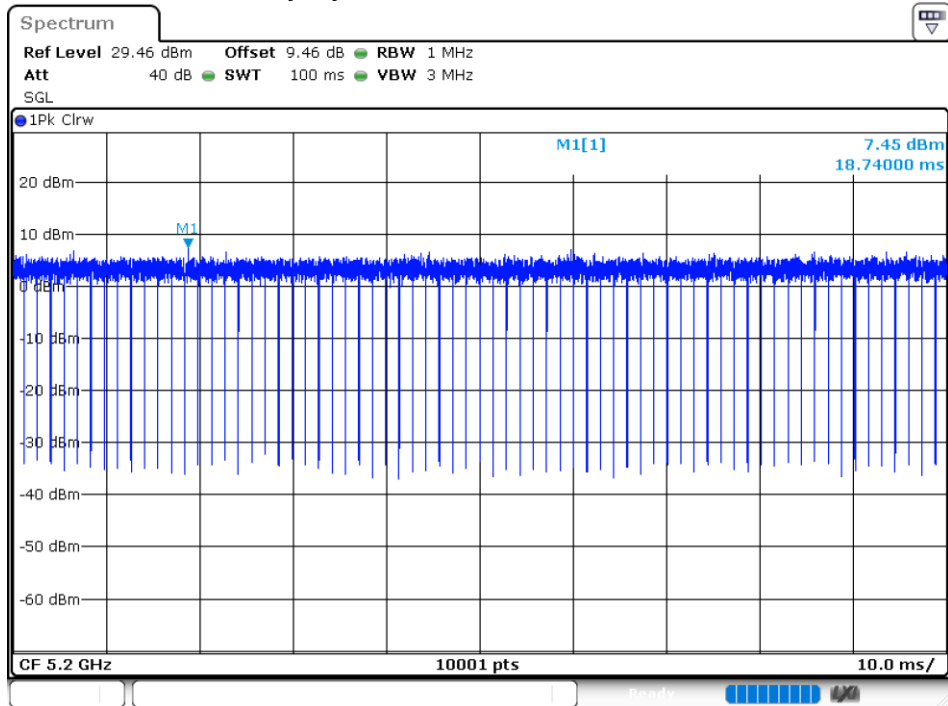
5.2G:

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5180	100	0
NVNT	802.11a	5200	100	0
NVNT	802.11a	5240	100	0
NVNT	802.11ac20	5180	100	0
NVNT	802.11ac20	5200	100	0
NVNT	802.11ac20	5240	100	0
NVNT	802.11ac40	5190	100	0
NVNT	802.11ac40	5230	99.97	0
NVNT	802.11ac80	5210	100	0
NVNT	802.11n(HT20)	5180	100	0
NVNT	802.11n(HT20)	5200	100	0
NVNT	802.11n(HT20)	5240	100	0
NVNT	802.11n(HT40)	5190	100	0
NVNT	802.11n(HT40)	5230	100	0

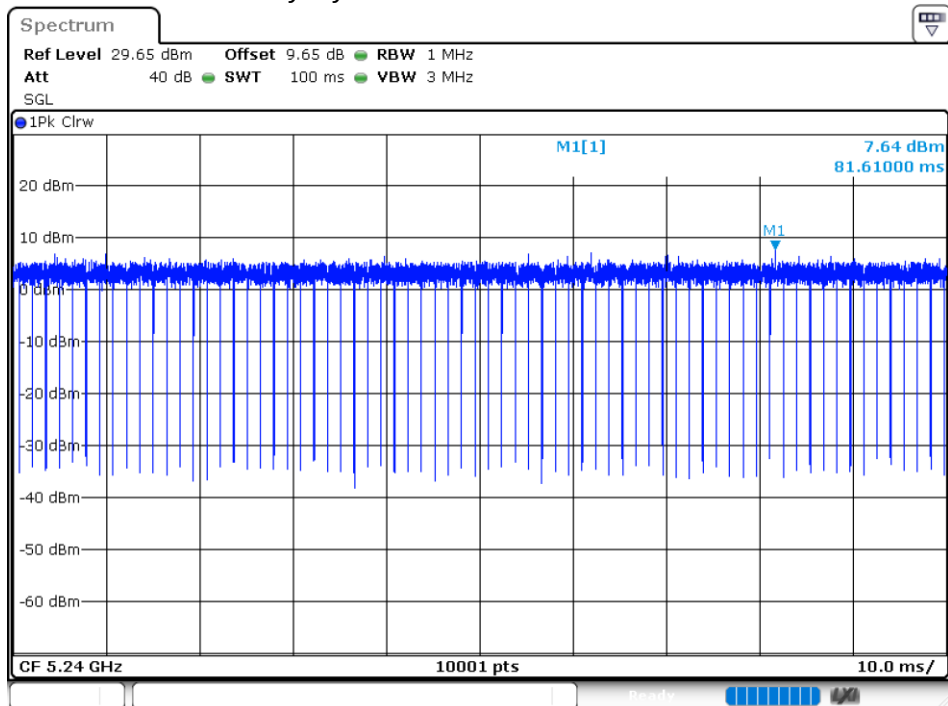
Duty Cycle NVNT 802.11a 5180MHz



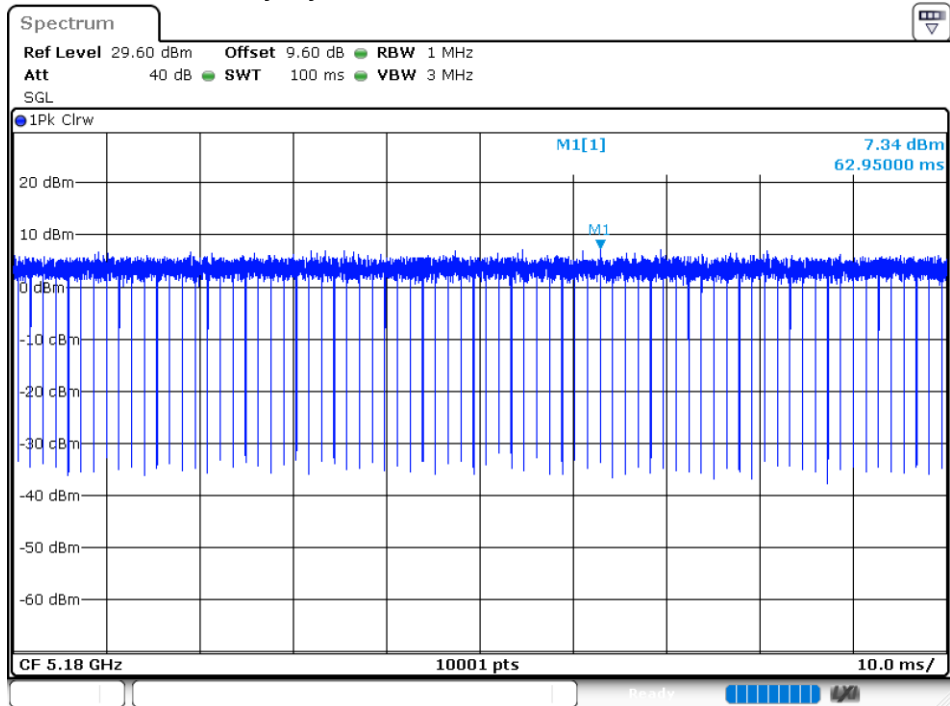
Duty Cycle NVNT 802.11a 5200MHz



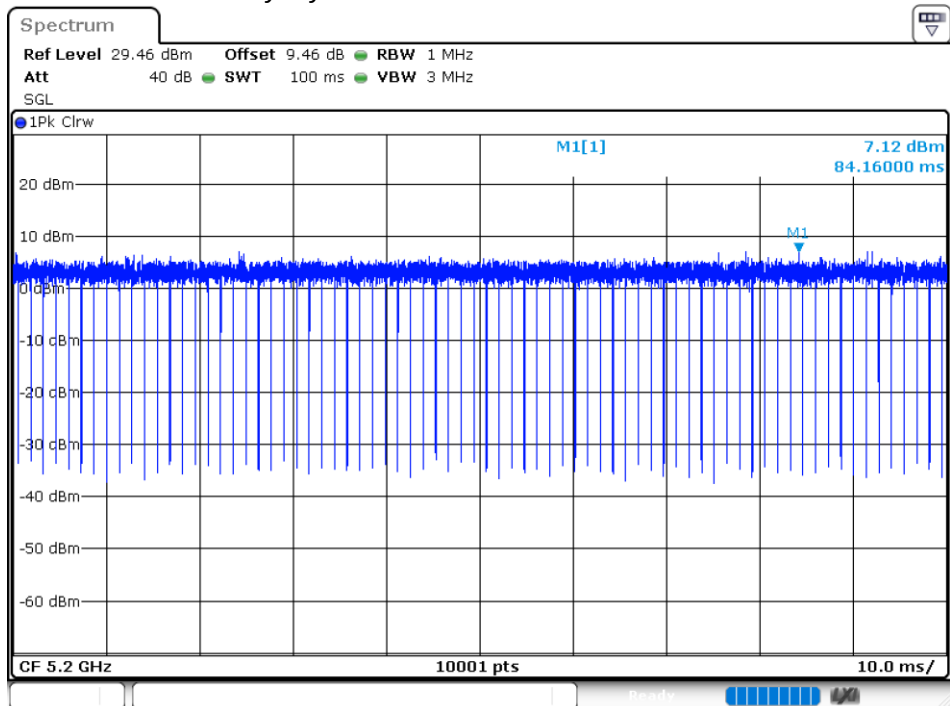
Duty Cycle NVNT 802.11a 5240MHz



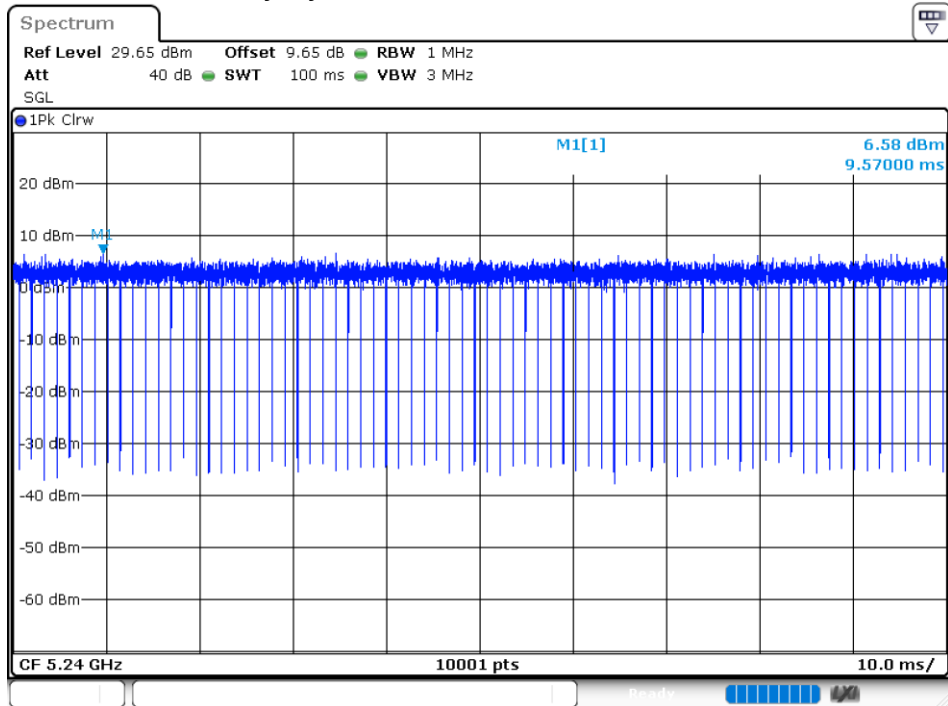
Duty Cycle NVNT 802.11ac20 5180MHz



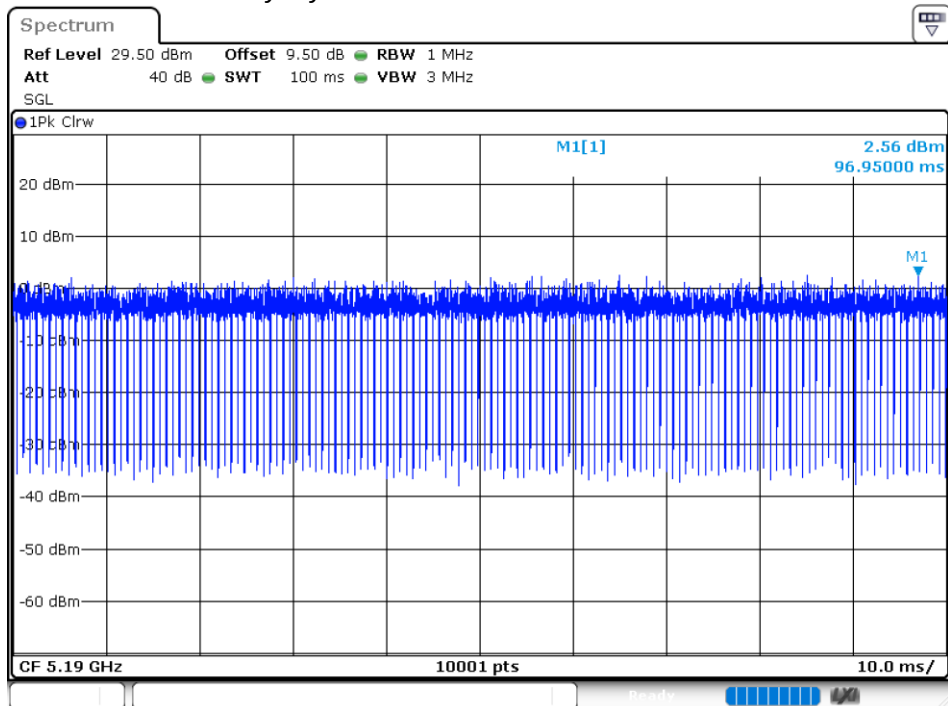
Duty Cycle NVNT 802.11ac20 5200MHz



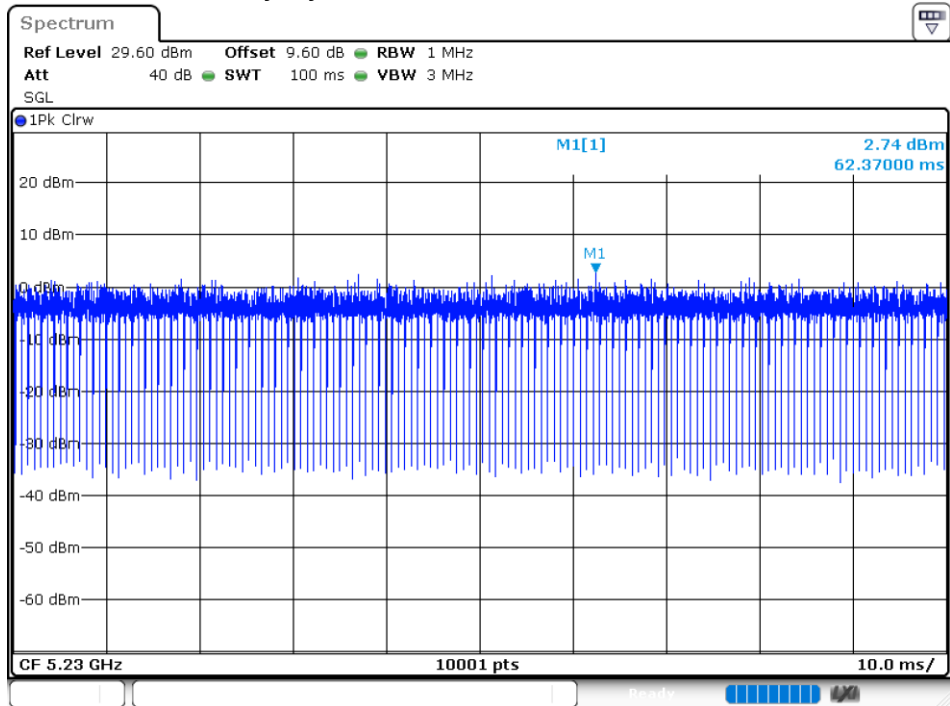
Duty Cycle NVNT 802.11ac20 5240MHz



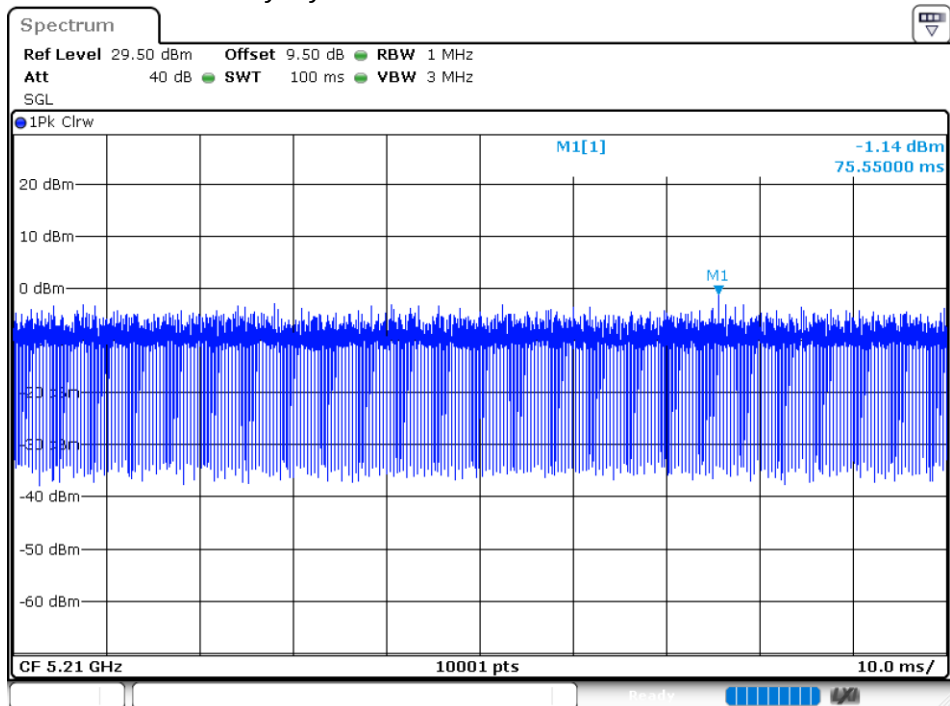
Duty Cycle NVNT 802.11ac40 5190MHz



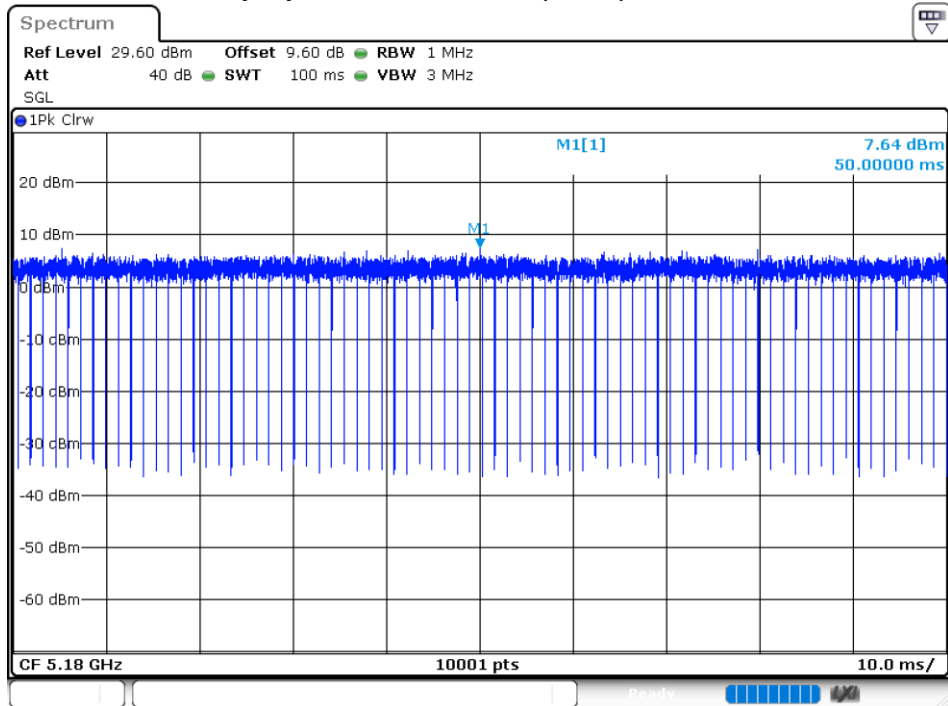
Duty Cycle NVNT 802.11ac40 5230MHz



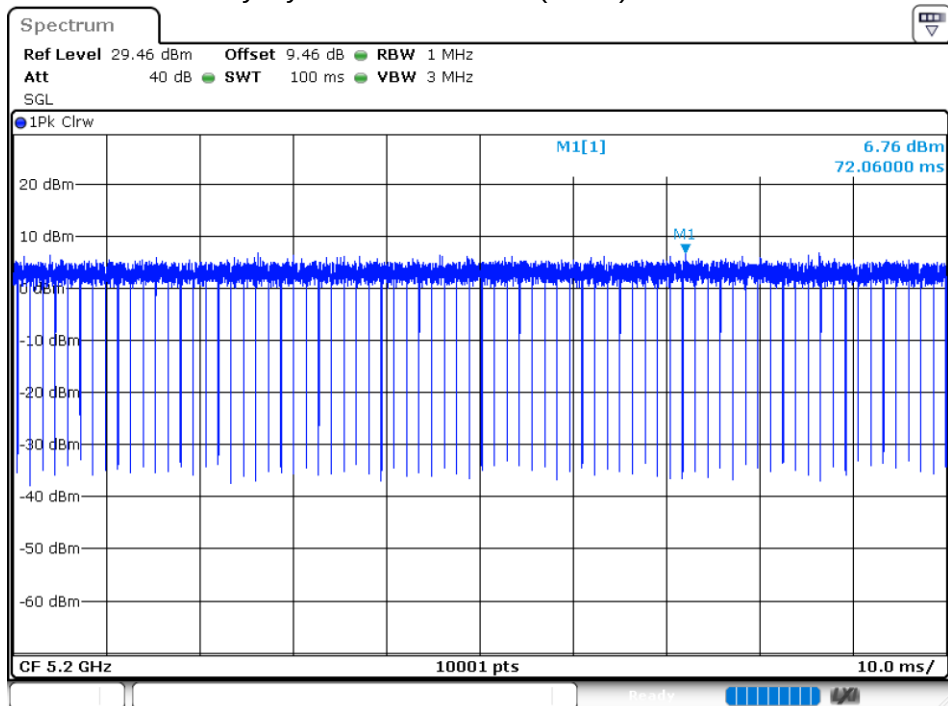
Duty Cycle NVNT 802.11ac80 5210MHz



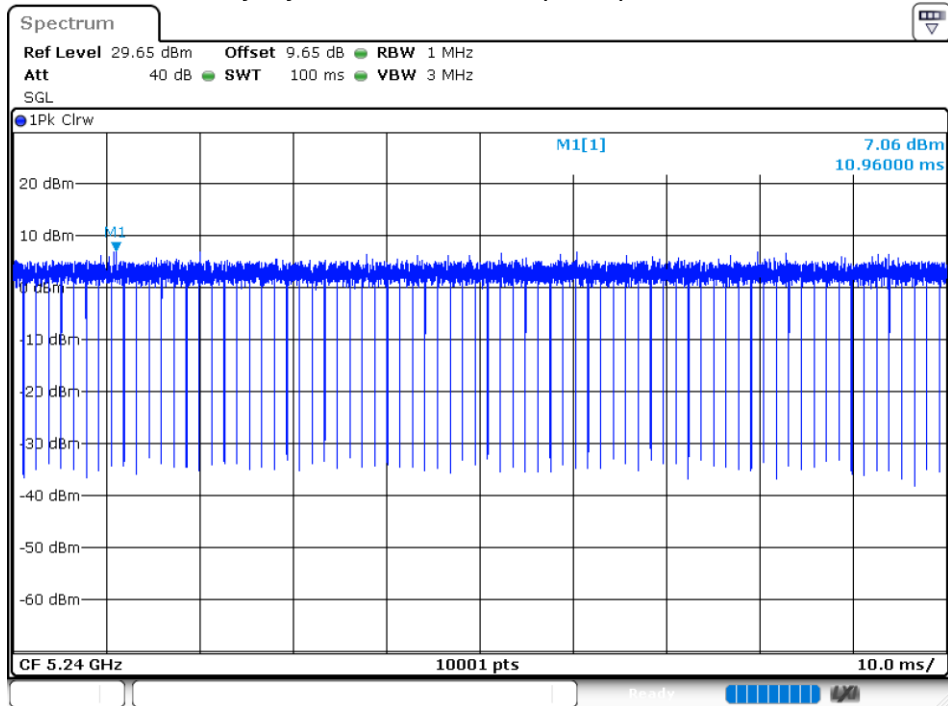
Duty Cycle NVNT 802.11n(HT20) 5180MHz



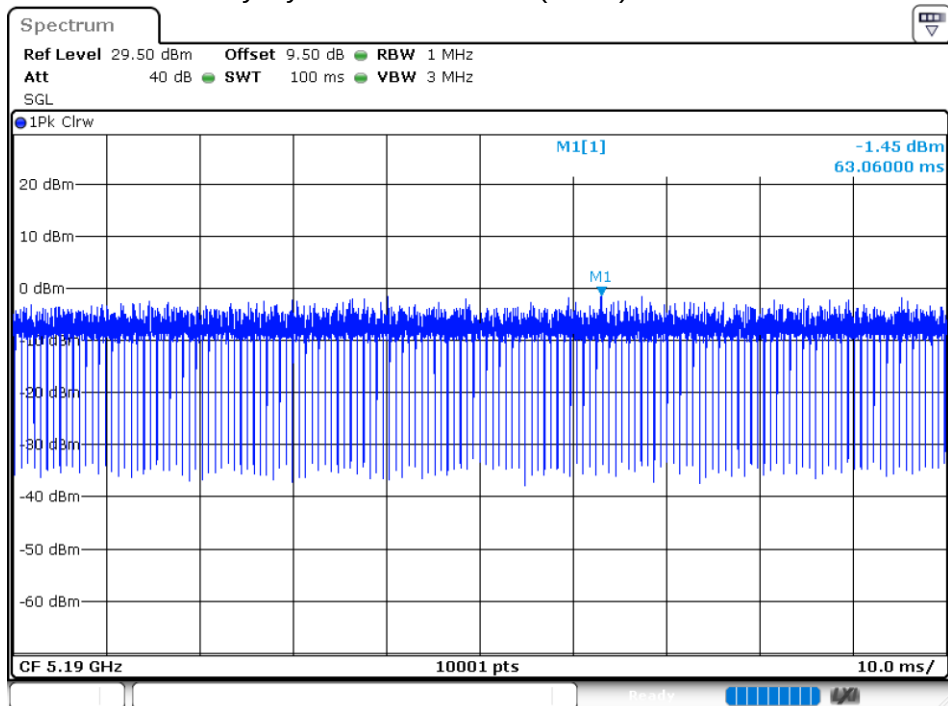
Duty Cycle NVNT 802.11n(HT20) 5200MHz



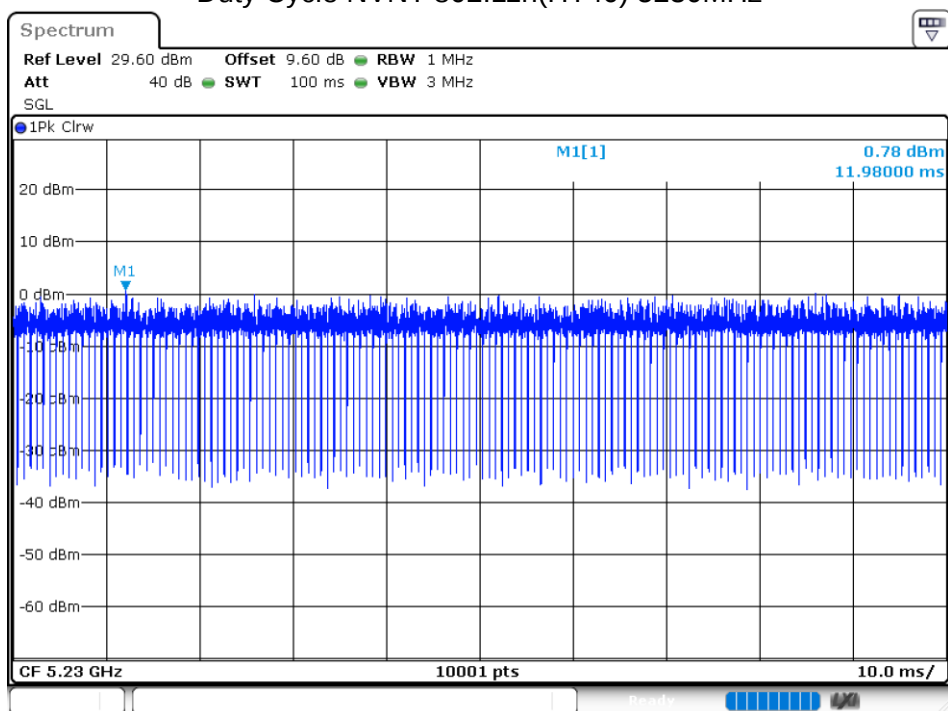
Duty Cycle NVNT 802.11n(HT20) 5240MHz



Duty Cycle NVNT 802.11n(HT40) 5190MHz



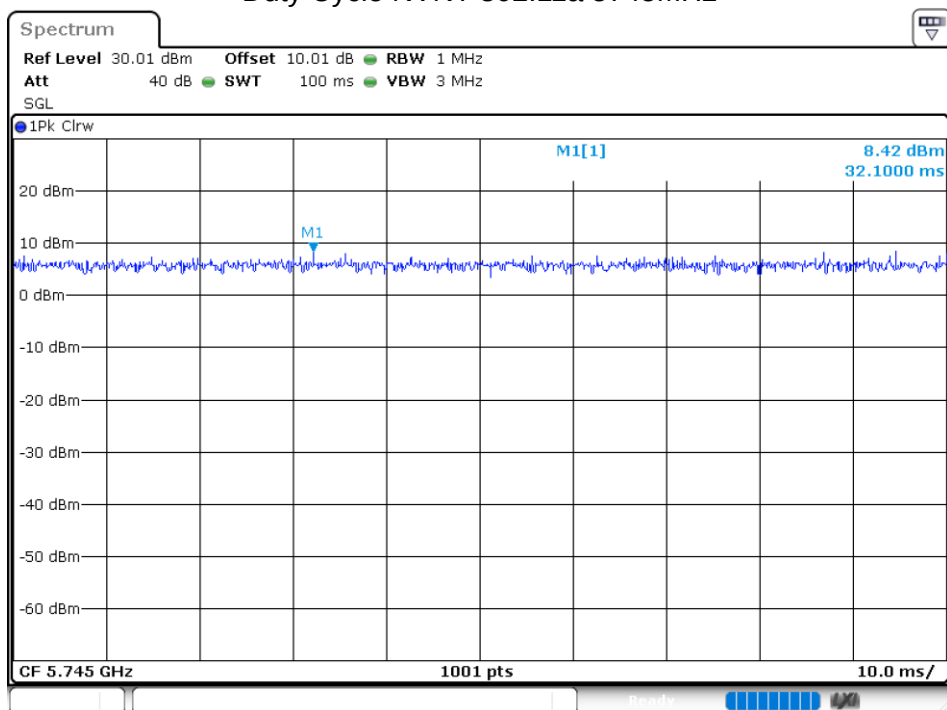
Duty Cycle NVNT 802.11n(HT40) 5230MHz



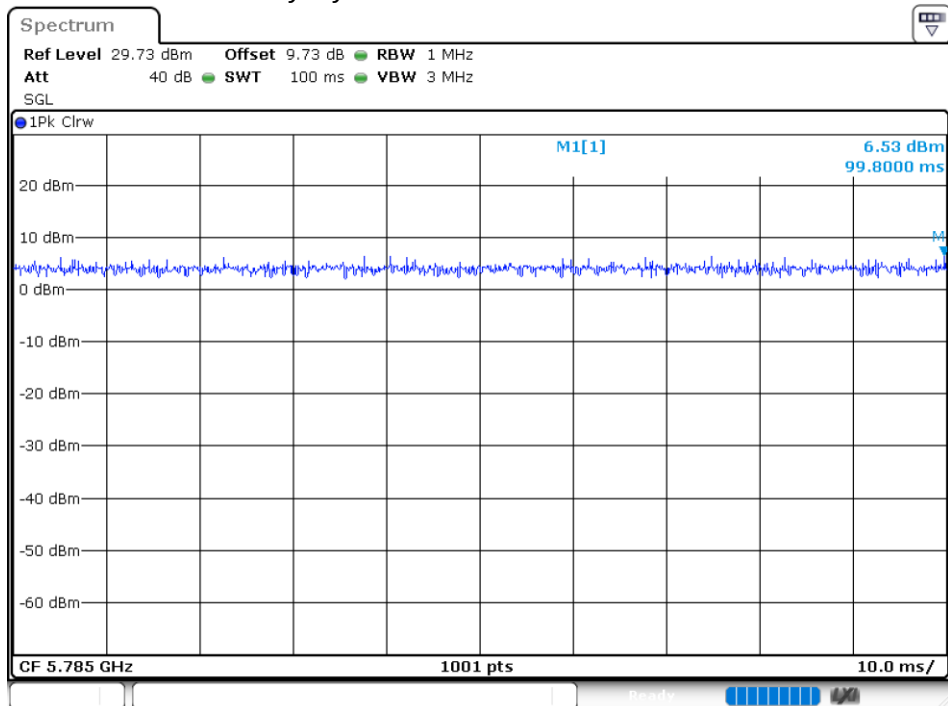
5.8G:

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5745	100	0
NVNT	802.11a	5785	100	0
NVNT	802.11a	5825	100	0
NVNT	802.11ac20	5745	100	0
NVNT	802.11ac20	5785	100	0
NVNT	802.11ac20	5825	100	0
NVNT	802.11ac40	5755	100	0
NVNT	802.11ac40	5795	100	0
NVNT	802.11ac80	5775	100	0
NVNT	802.11n(HT20)	5745	100	0
NVNT	802.11n(HT20)	5785	100	0
NVNT	802.11n(HT20)	5825	100	0
NVNT	802.11n(HT40)	5755	100	0
NVNT	802.11n(HT40)	5795	100	0

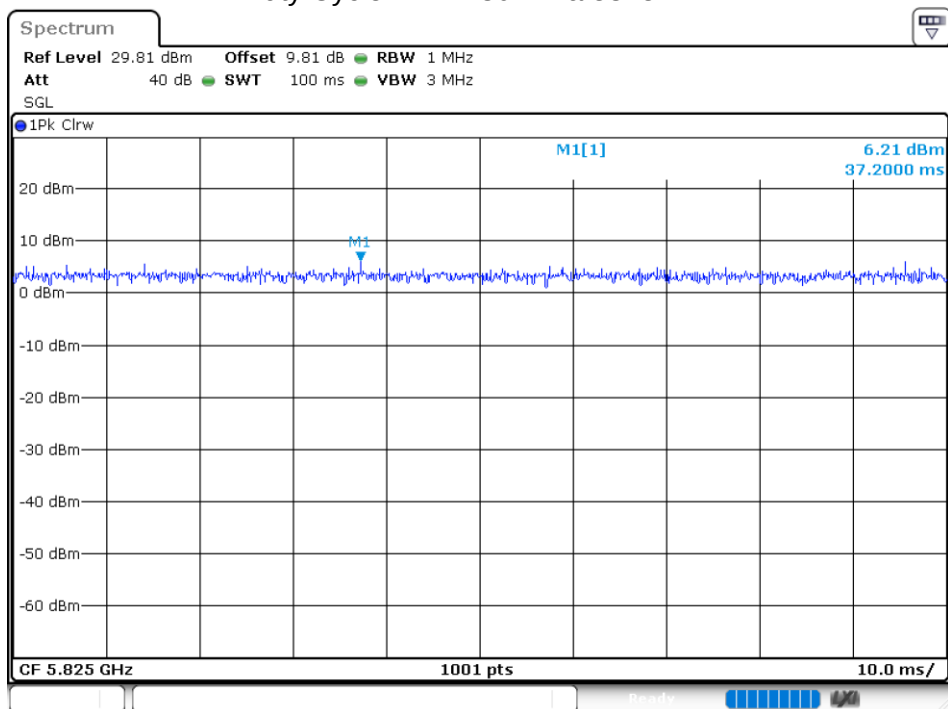
Duty Cycle NVNT 802.11a 5745MHz



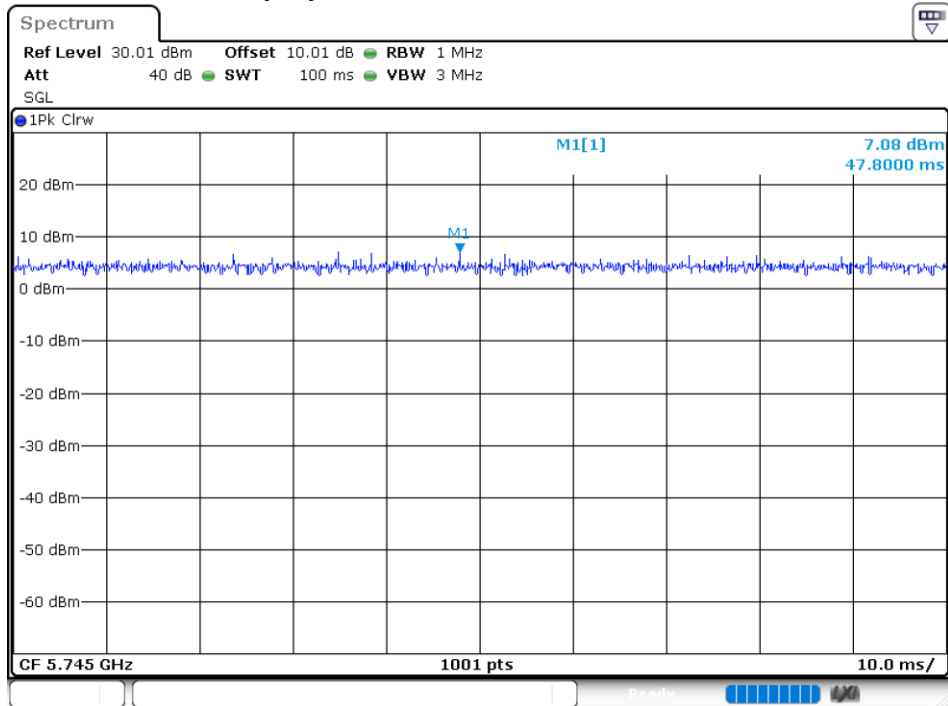
Duty Cycle NVNT 802.11a 5785MHz



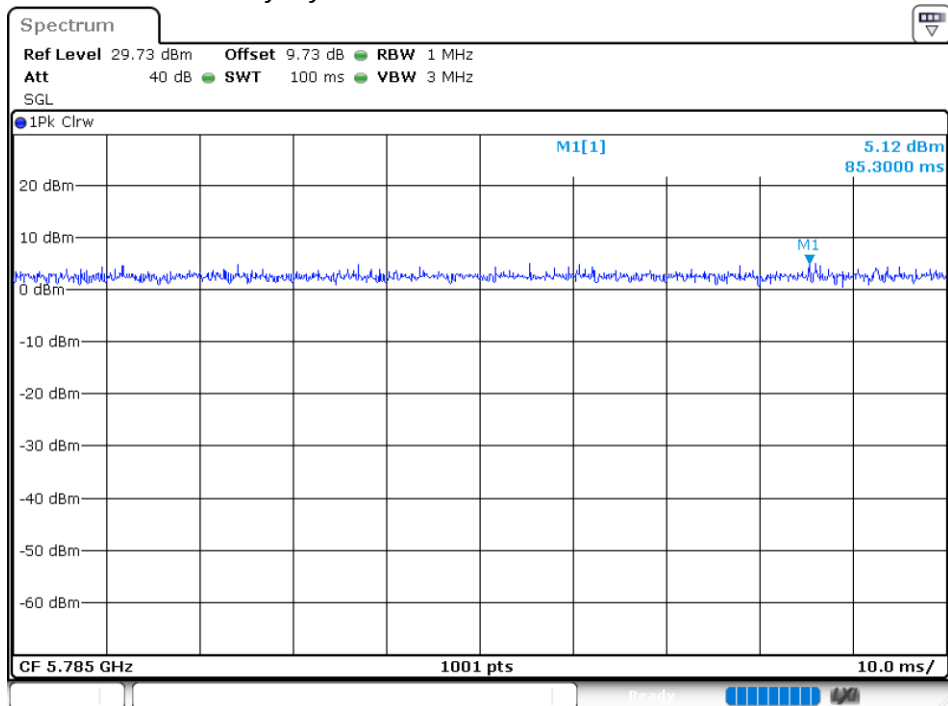
Duty Cycle NVNT 802.11a 5825MHz



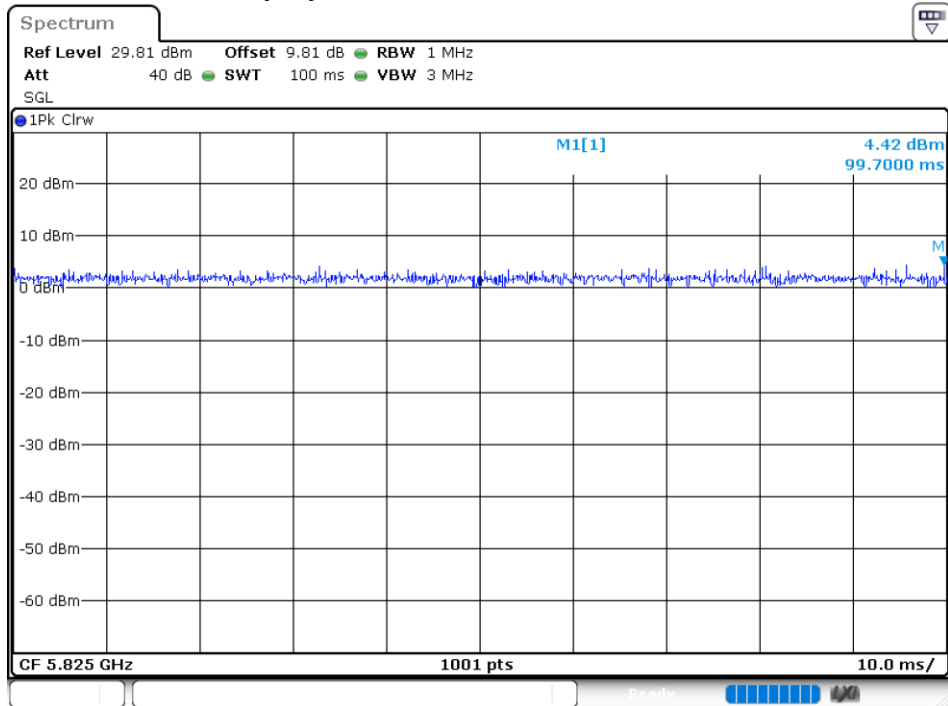
Duty Cycle NVNT 802.11ac20 5745MHz



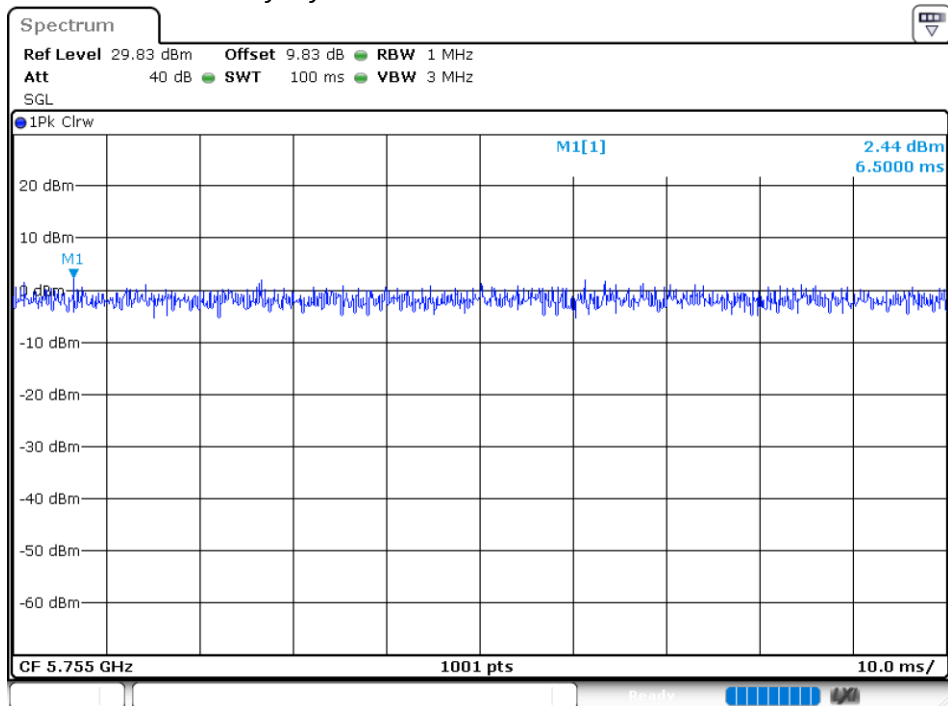
Duty Cycle NVNT 802.11ac20 5785MHz



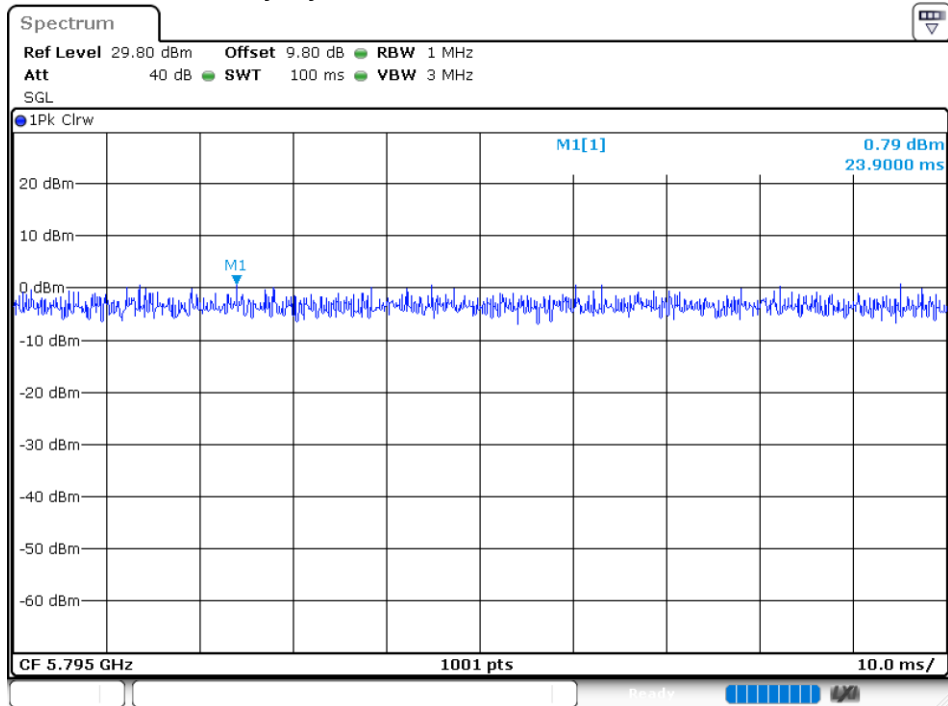
Duty Cycle NVNT 802.11ac20 5825MHz



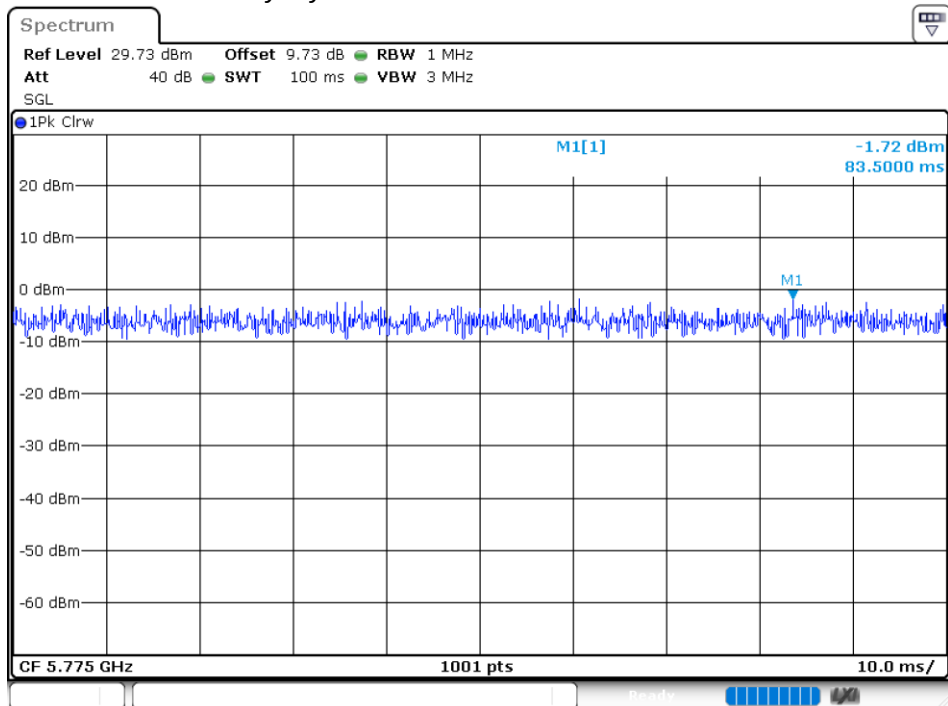
Duty Cycle NVNT 802.11ac40 5755MHz



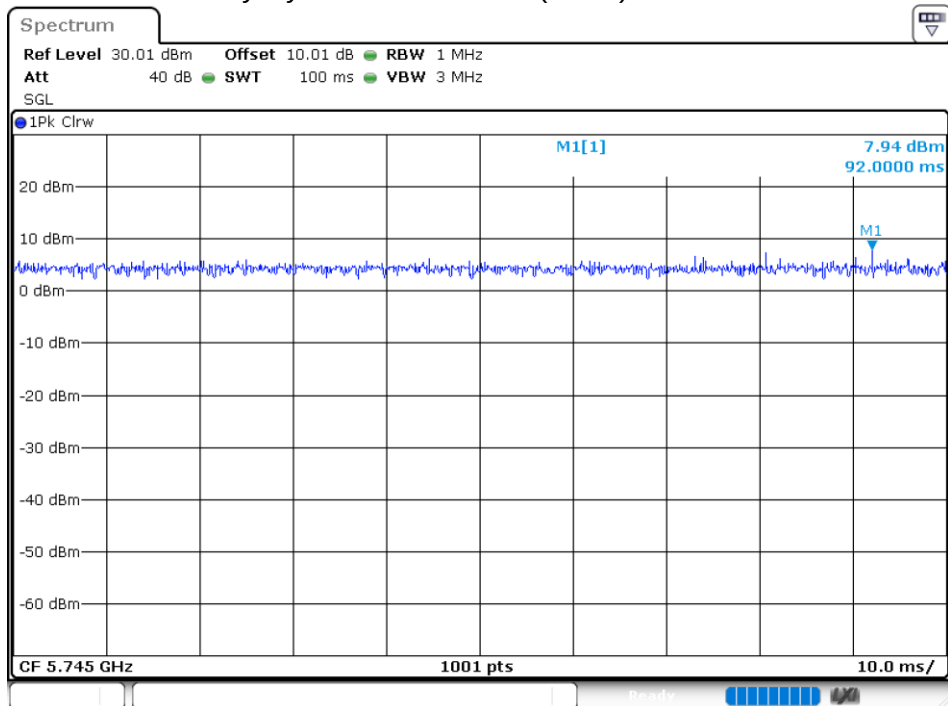
Duty Cycle NVNT 802.11ac40 5795MHz



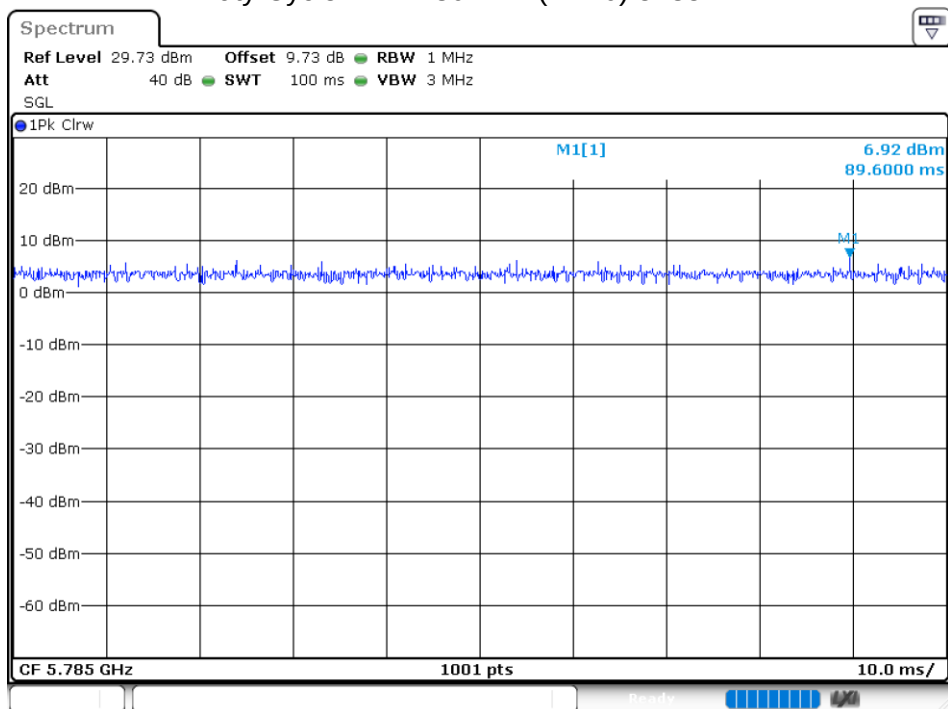
Duty Cycle NVNT 802.11ac80 5775MHz



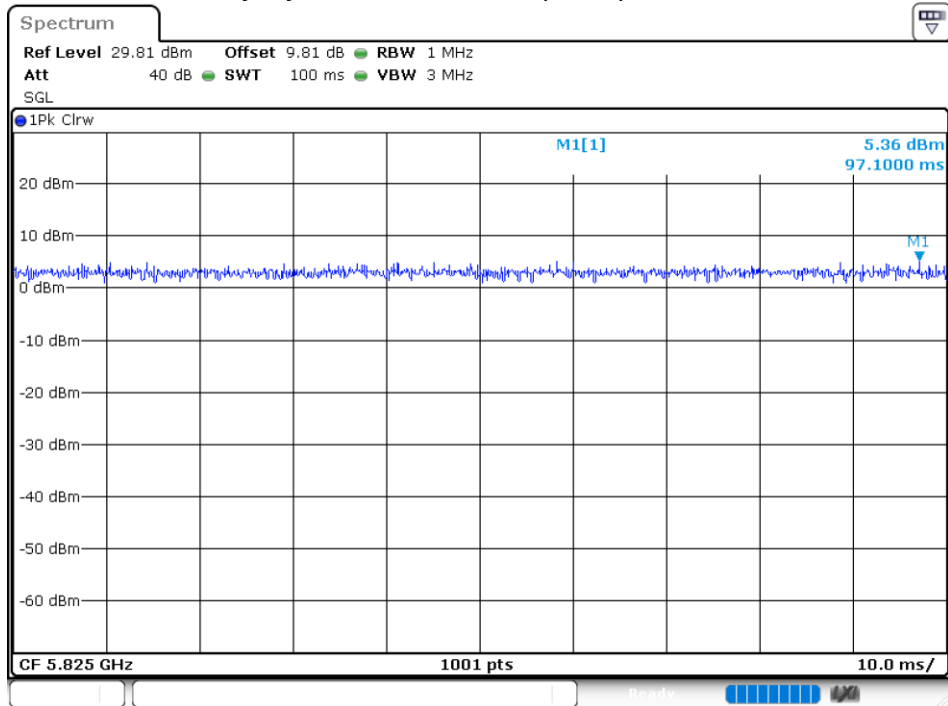
Duty Cycle NVNT 802.11n(HT20) 5745MHz



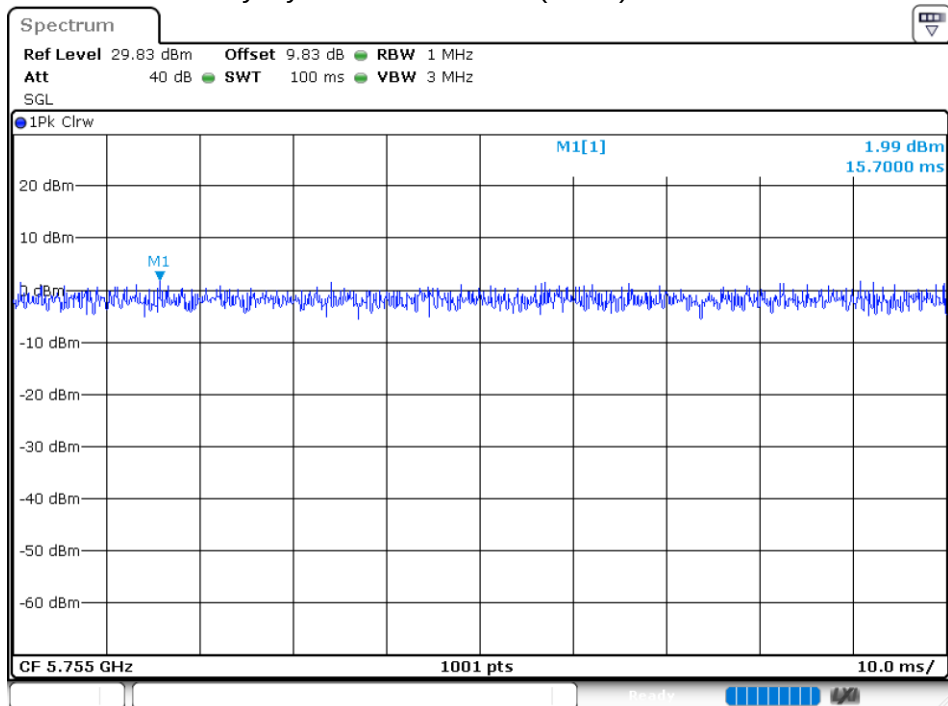
Duty Cycle NVNT 802.11n(HT20) 5785MHz



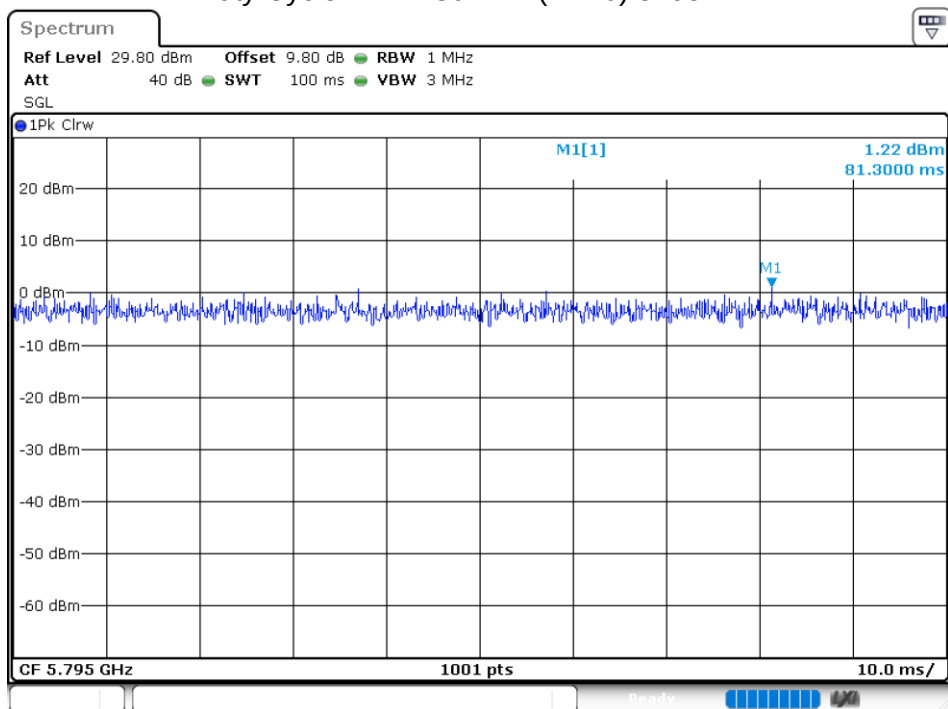
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



Duty Cycle NVNT 802.11n(HT40) 5795MHz



5.2 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	9.24	0	9.24	24	Pass
NVNT	802.11a	5200	Ant 1	8.52	0	8.52	24	Pass
NVNT	802.11a	5240	Ant 1	8.02	0	8.02	24	Pass
NVNT	802.11ac20	5180	Ant 1	8.96	0	8.96	24	Pass
NVNT	802.11ac20	5200	Ant 1	8.3	0	8.3	24	Pass
NVNT	802.11ac20	5240	Ant 1	7.97	0	7.97	24	Pass
NVNT	802.11ac40	5190	Ant 1	8.44	0	8.44	24	Pass
NVNT	802.11ac40	5230	Ant 1	7.76	0	7.76	24	Pass
NVNT	802.11ac80	5210	Ant 1	6.18	0	6.18	24	Pass
NVNT	802.11n(HT20)	5180	Ant 1	9.07	0	9.07	24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	8.33	0	8.33	24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	7.98	0	7.98	24	Pass
NVNT	802.11n(HT40)	5190	Ant 1	4.41	0	4.41	24	Pass
NVNT	802.11n(HT40)	5230	Ant 1	5.88	0	5.88	24	Pass

5.8G:

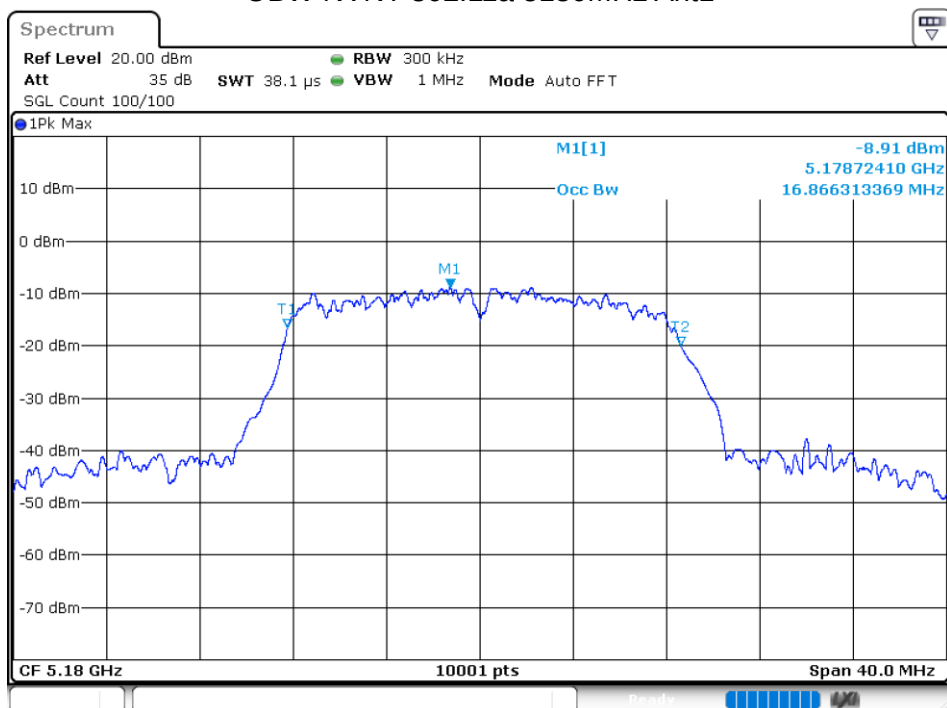
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	9.37	0	9.37	30	Pass
NVNT	802.11a	5785	Ant 1	7.75	0	7.75	30	Pass
NVNT	802.11a	5825	Ant 1	6.79	0	6.79	30	Pass
NVNT	802.11ac20	5745	Ant 1	8.2	0	8.2	30	Pass
NVNT	802.11ac20	5785	Ant 1	6.39	0	6.39	30	Pass
NVNT	802.11ac20	5825	Ant 1	5.49	0	5.49	30	Pass
NVNT	802.11ac40	5755	Ant 1	7.88	0	7.88	30	Pass
NVNT	802.11ac40	5795	Ant 1	6.31	0	6.31	30	Pass
NVNT	802.11ac80	5775	Ant 1	6.97	0	6.97	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	8.27	0	8.27	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	7.57	0	7.57	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	6.67	0	6.67	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	7.69	0	7.69	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	6.27	0	6.27	30	Pass

5.3 OCCUPIED CHANNEL BANDWIDTH

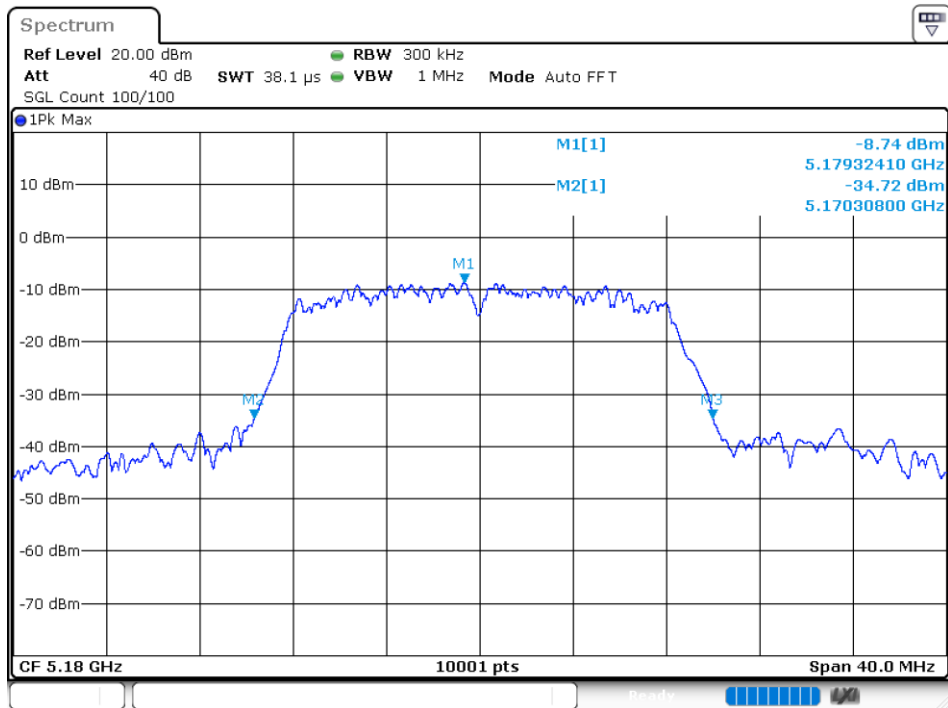
5.2G:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	16.8663	19.68	0	Pass
NVNT	802.11a	5200	Ant 1	16.5863	19.628	0	Pass
NVNT	802.11a	5240	Ant 1	16.6983	19.808	0	Pass
NVNT	802.11ac20	5180	Ant 1	17.6422	20.376	0	Pass
NVNT	802.11ac20	5200	Ant 1	17.6382	20.224	0	Pass
NVNT	802.11ac20	5240	Ant 1	17.6262	20.224	0	Pass
NVNT	802.11ac40	5190	Ant 1	36.0604	40.792	0	Pass
NVNT	802.11ac40	5230	Ant 1	36.0364	40.784	0	Pass
NVNT	802.11ac80	5210	Ant 1	75.2885	82.112	0	Pass
NVNT	802.11n(HT20)	5180	Ant 1	17.5742	20.216	0	Pass
NVNT	802.11n(HT20)	5200	Ant 1	17.7102	20.272	0	Pass
NVNT	802.11n(HT20)	5240	Ant 1	17.5782	20.232	0	Pass
NVNT	802.11n(HT40)	5190	Ant 1	36.0524	41.128	0	Pass
NVNT	802.11n(HT40)	5230	Ant 1	36.0684	41.04	0	Pass

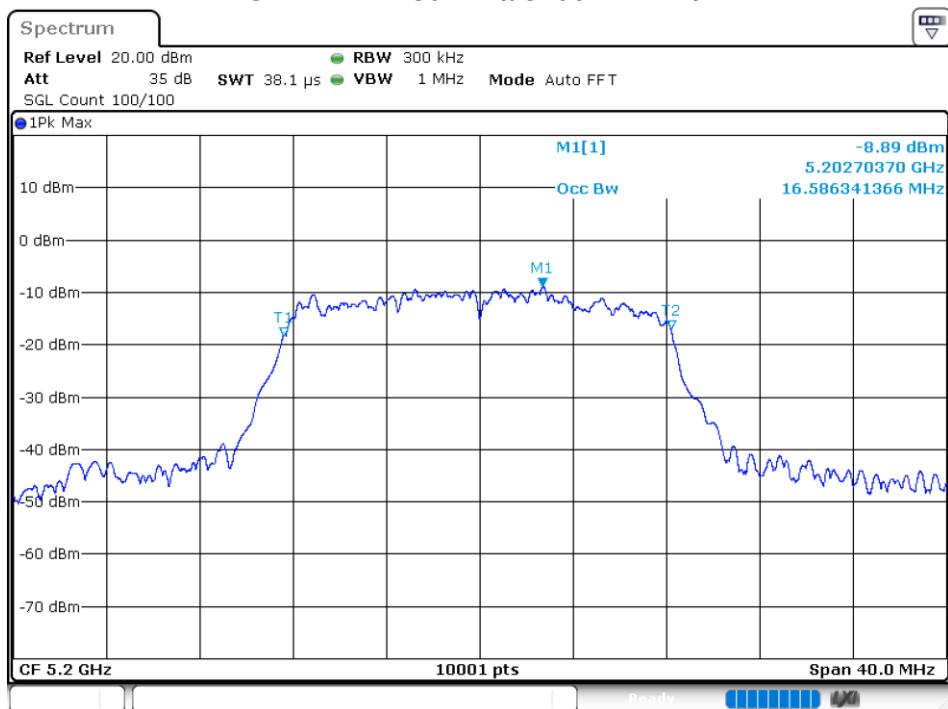
OBW NVNT 802.11a 5180MHz Ant1



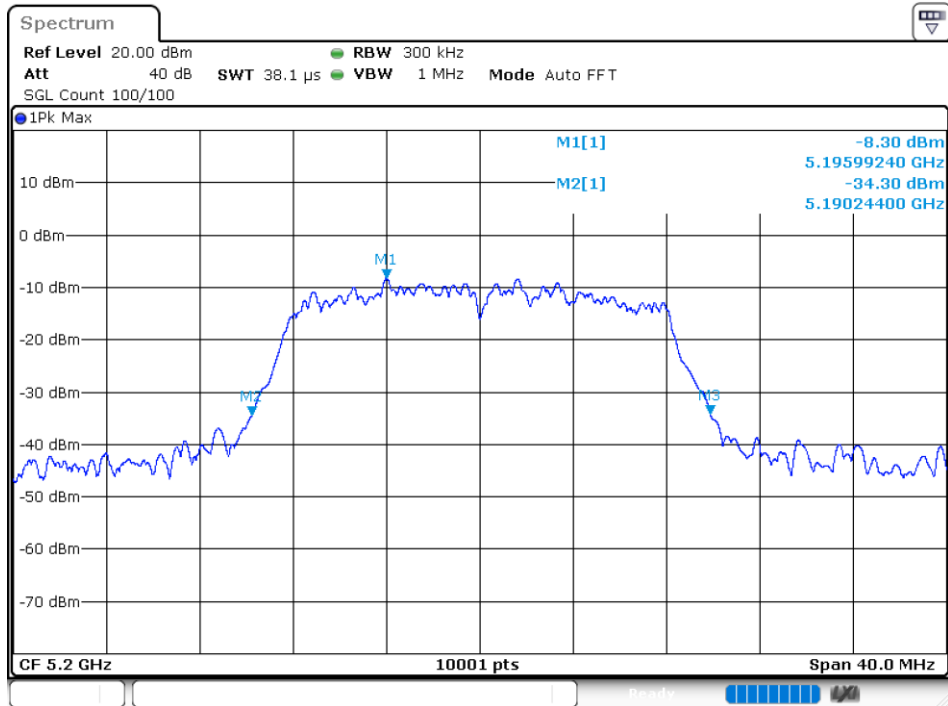
-26 dB BW NVNT 802.11a 5180MHz Ant1



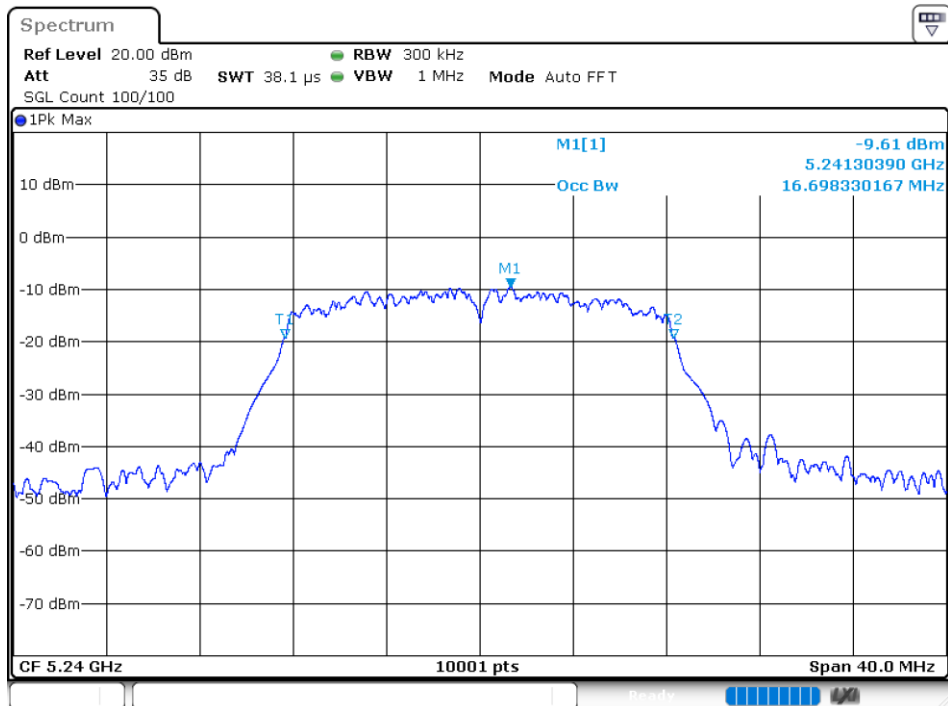
OBW NVNT 802.11a 5200MHz Ant1



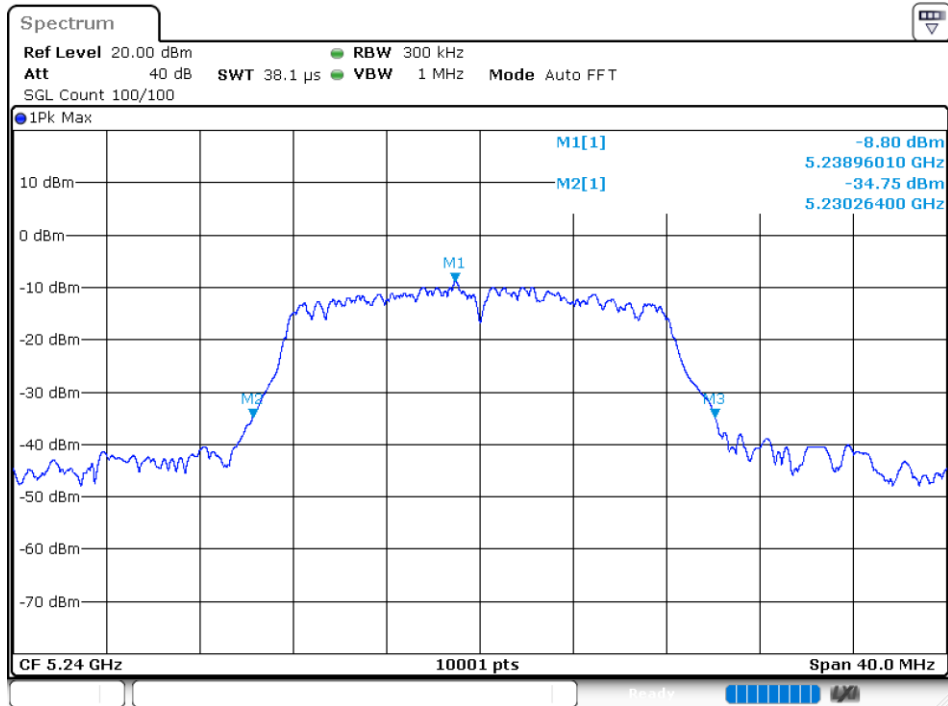
-26 dB BW NVNT 802.11a 5200MHz Ant1



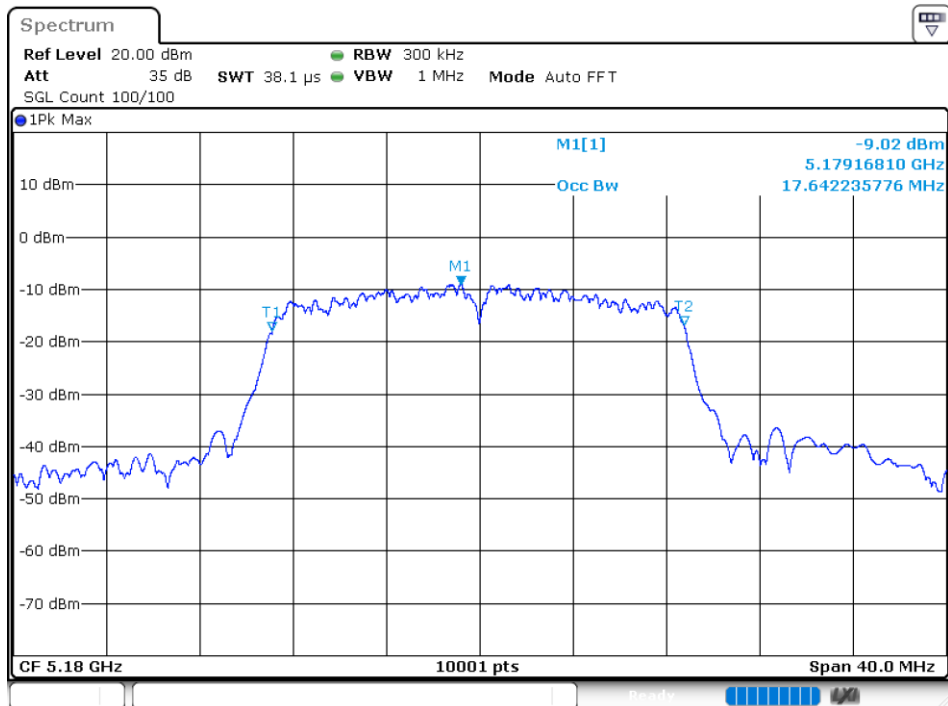
OBW NVNT 802.11a 5240MHz Ant1



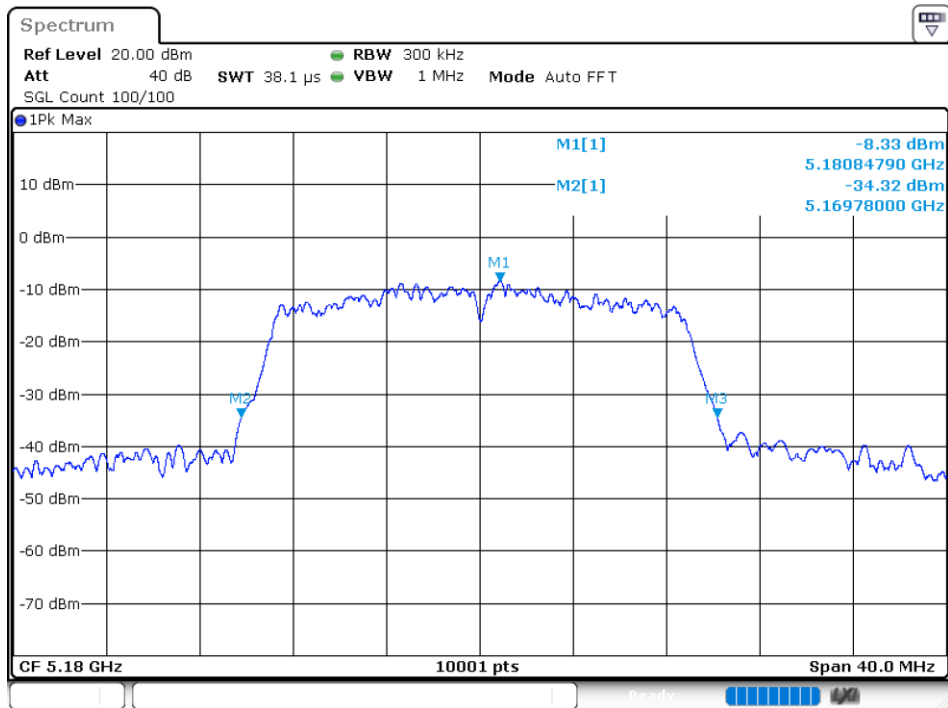
-26 dB BW NVNT 802.11a 5240MHz Ant1



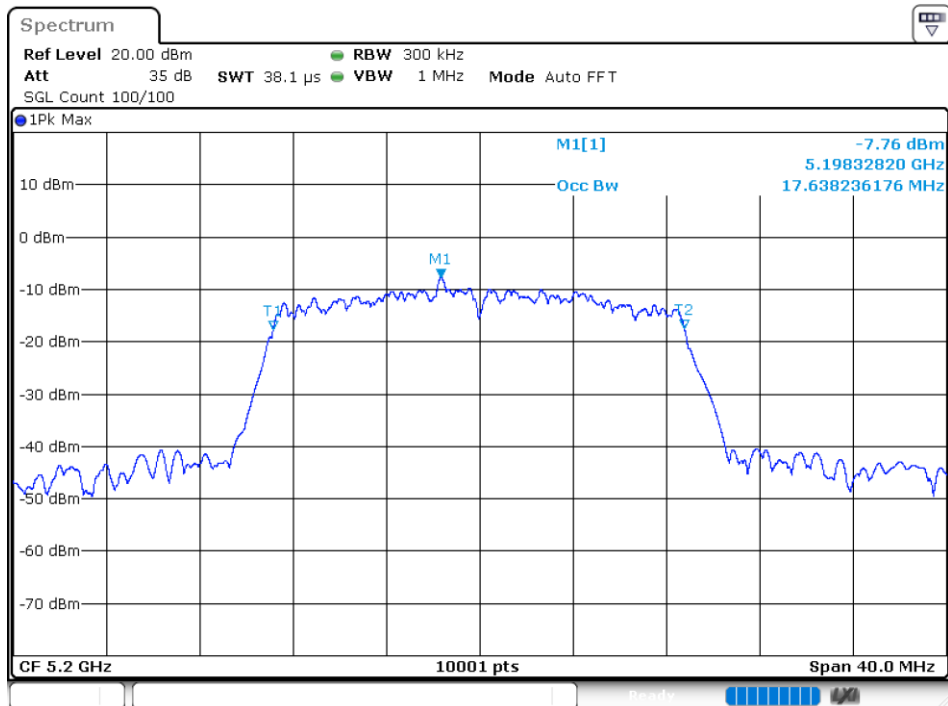
OBW NVNT 802.11ac20 5180MHz Ant1



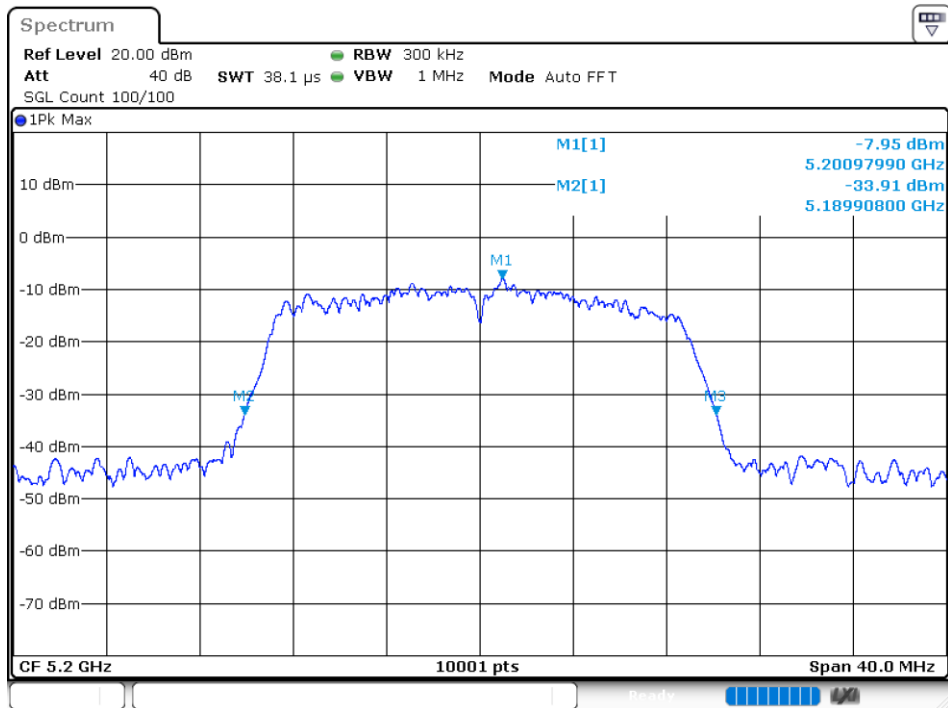
-26 dB BW NVNT 802.11ac20 5180MHz Ant1



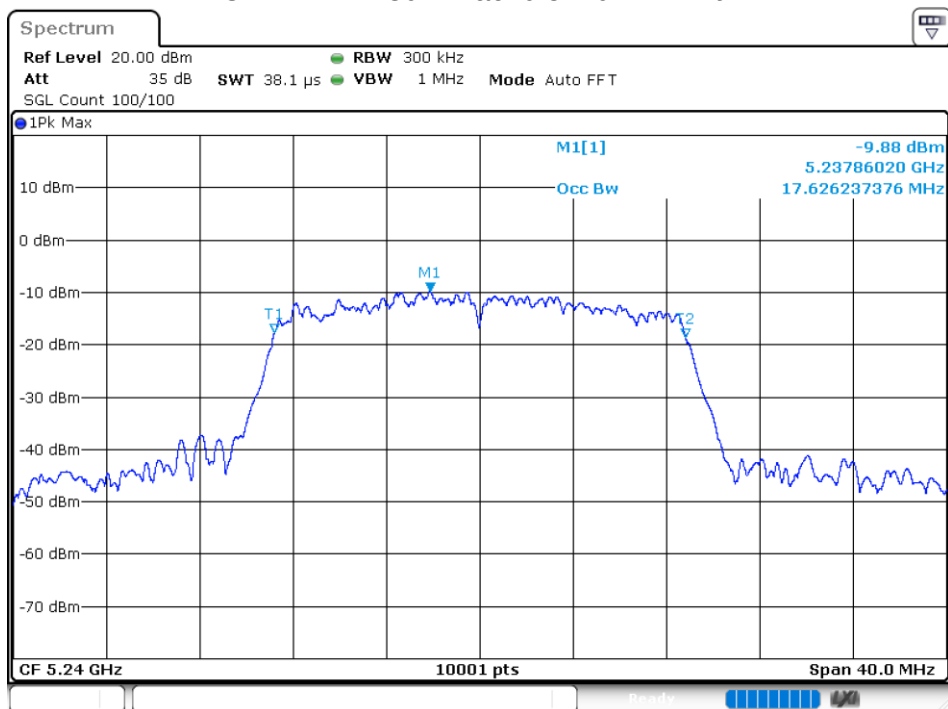
OBW NVNT 802.11ac20 5200MHz Ant1



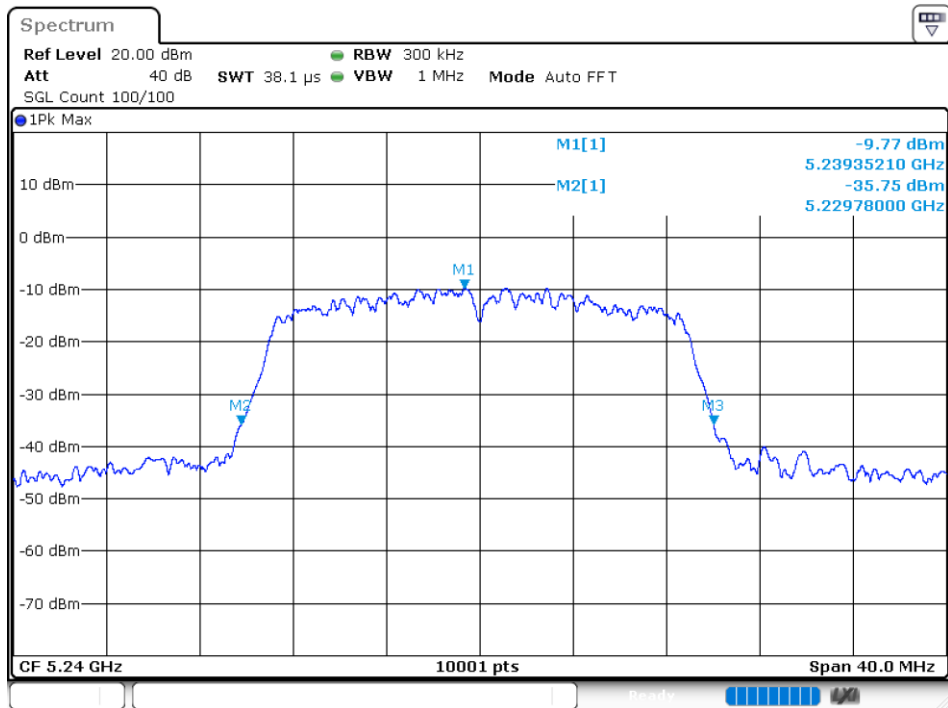
-26 dB BW NVNT 802.11ac20 5200MHz Ant1



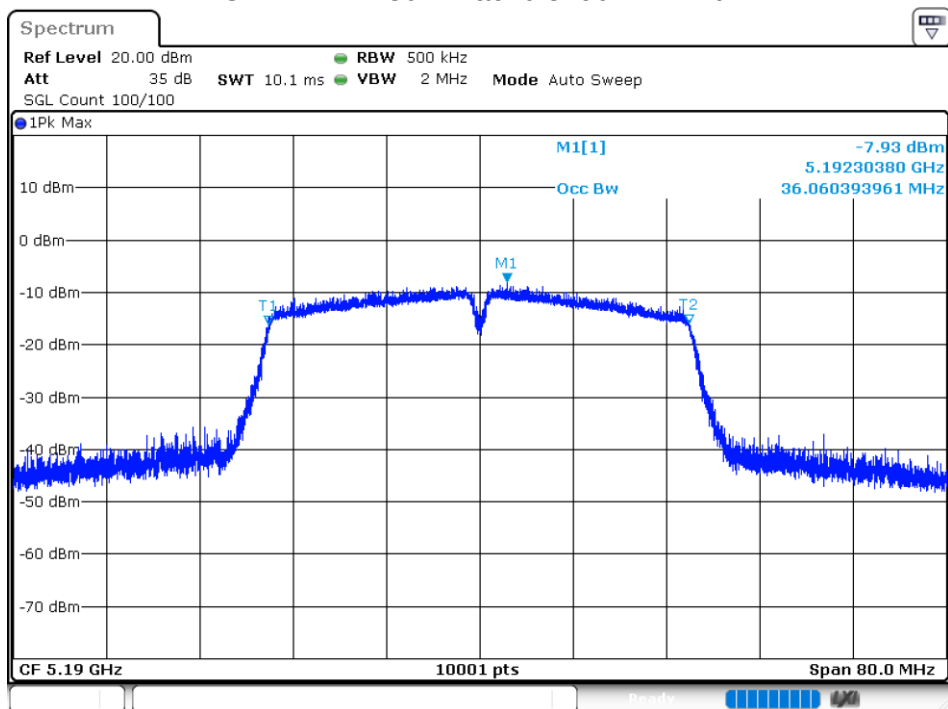
OBW NVNT 802.11ac20 5240MHz Ant1



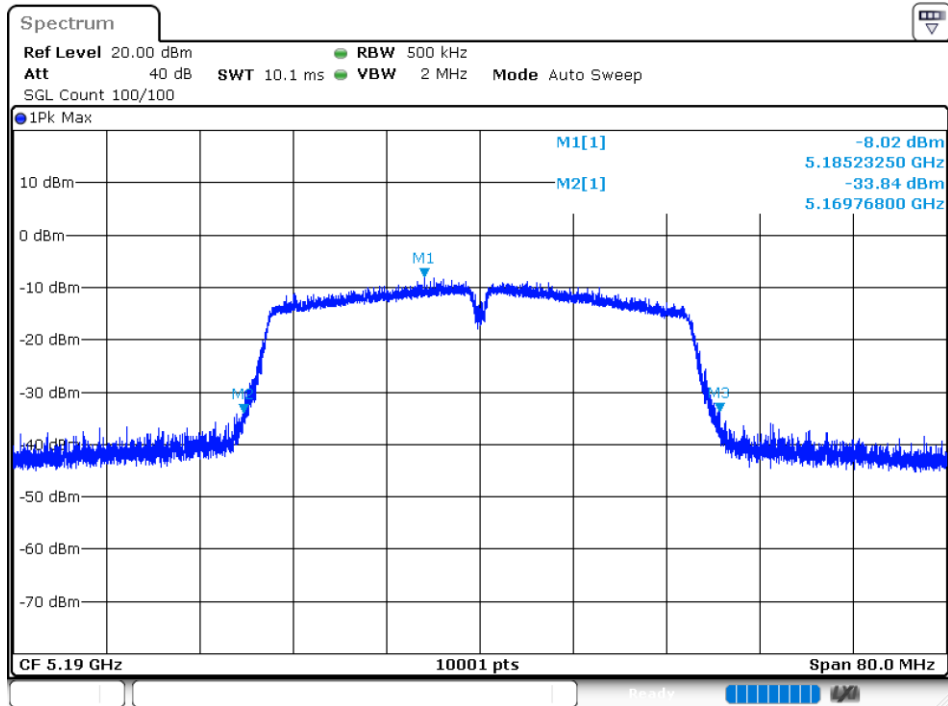
-26 dB BW NVNT 802.11ac20 5240MHz Ant1



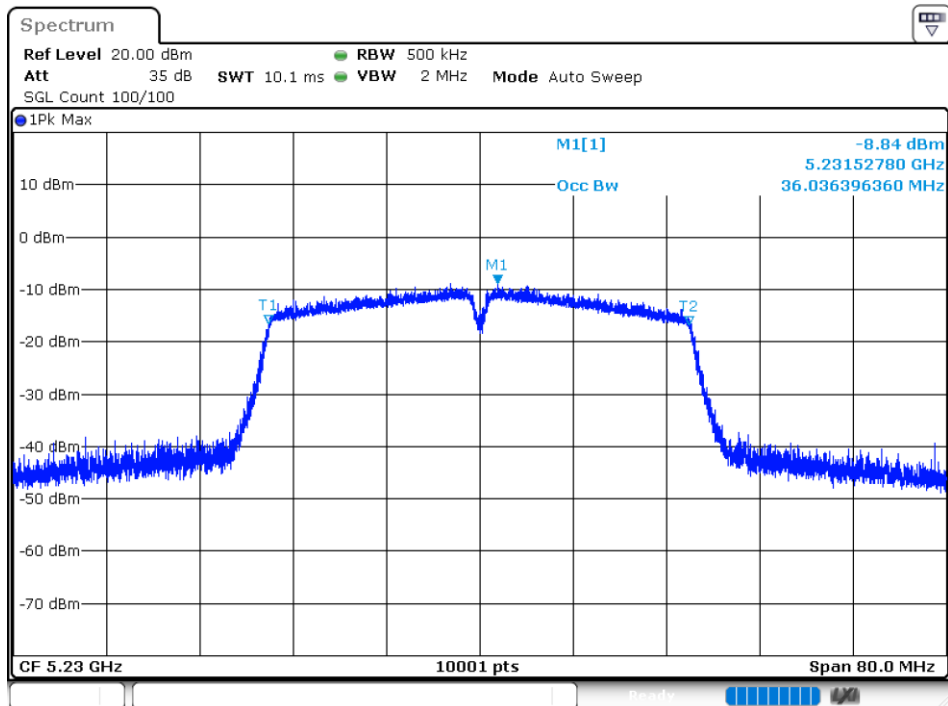
OBW NVNT 802.11ac40 5190MHz Ant1



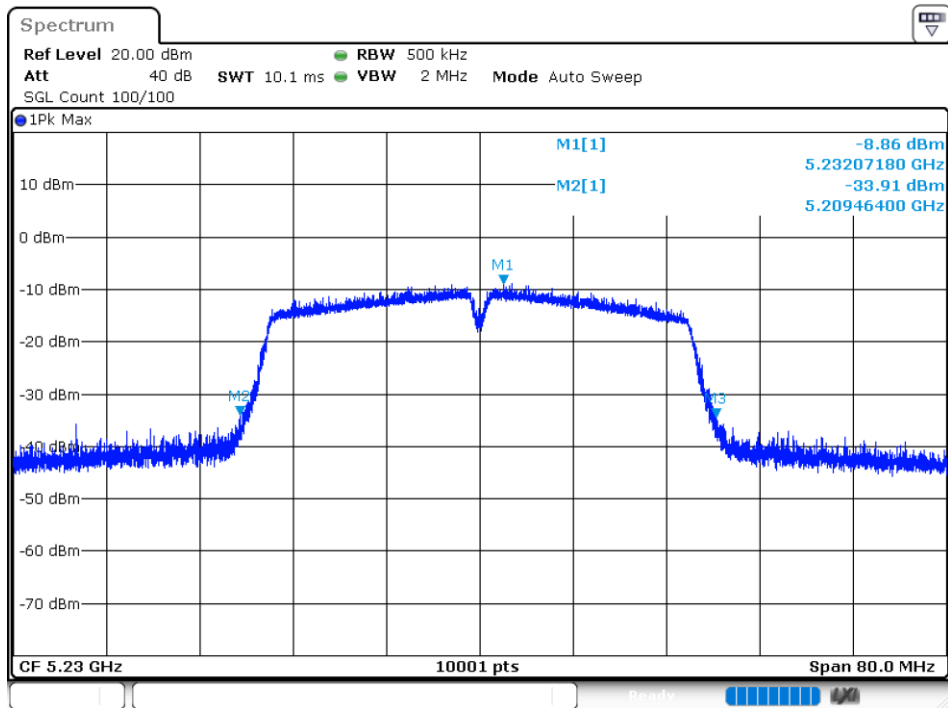
-26 dB BW NVNT 802.11ac40 5190MHz Ant1



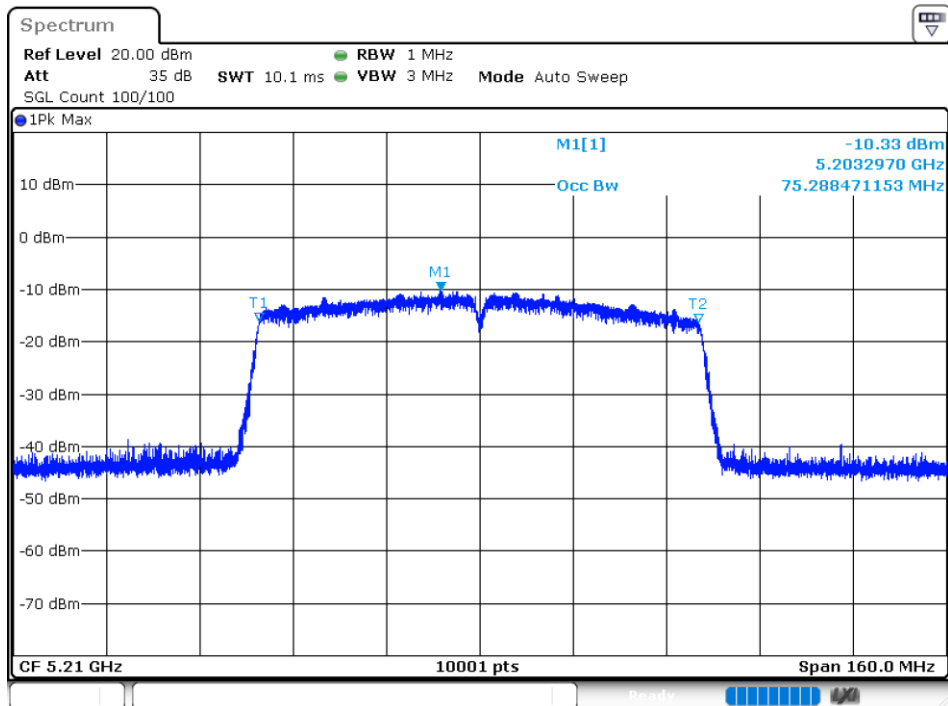
OBW NVNT 802.11ac40 5230MHz Ant1



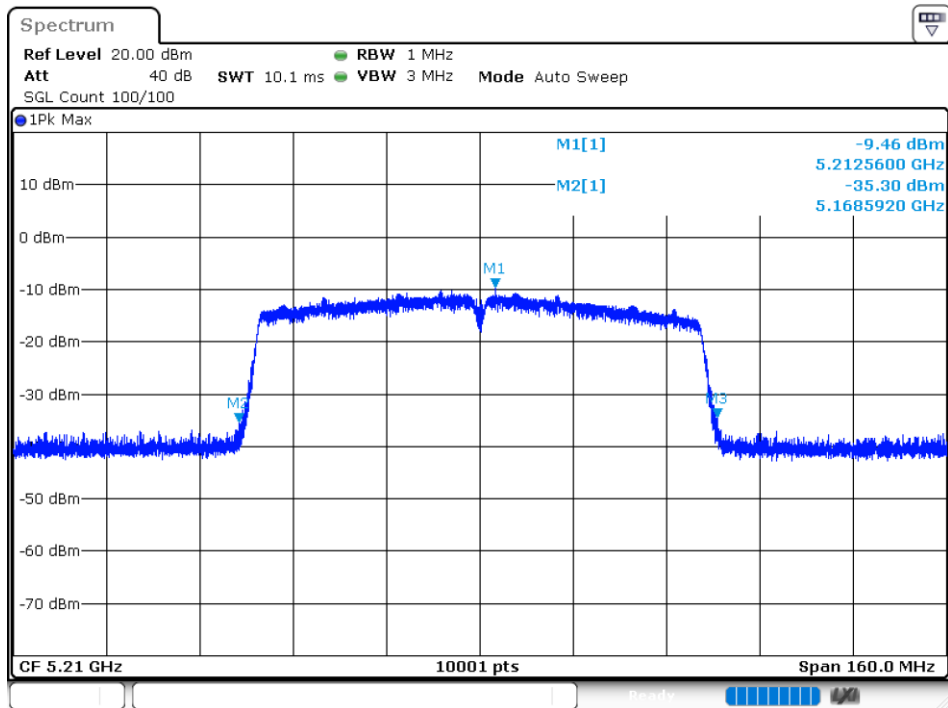
-26 dB BW NVNT 802.11ac40 5230MHz Ant1



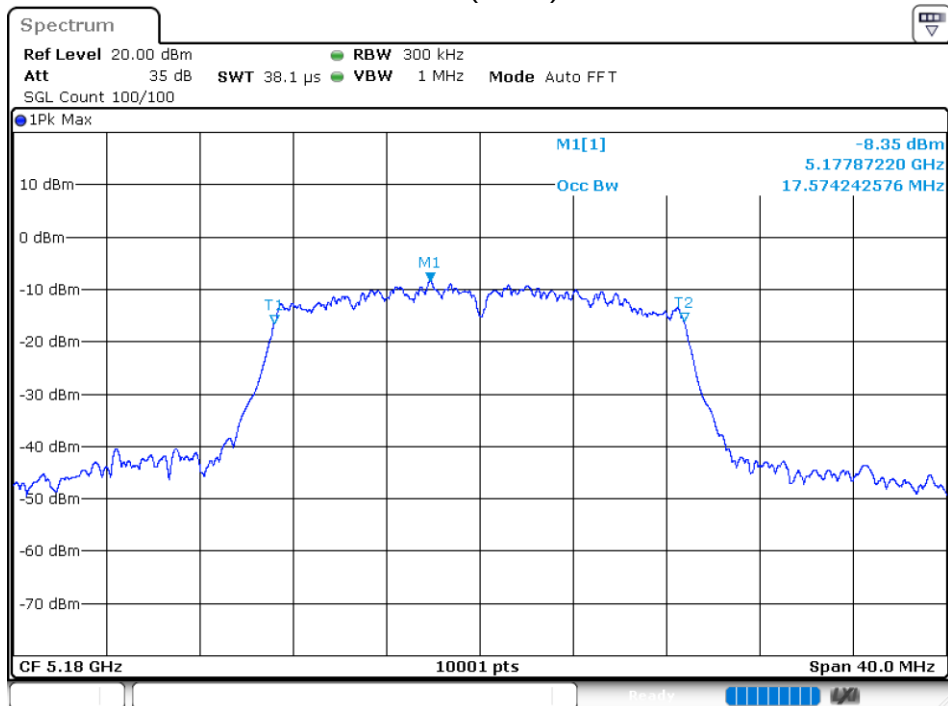
OBW NVNT 802.11ac80 5210MHz Ant1



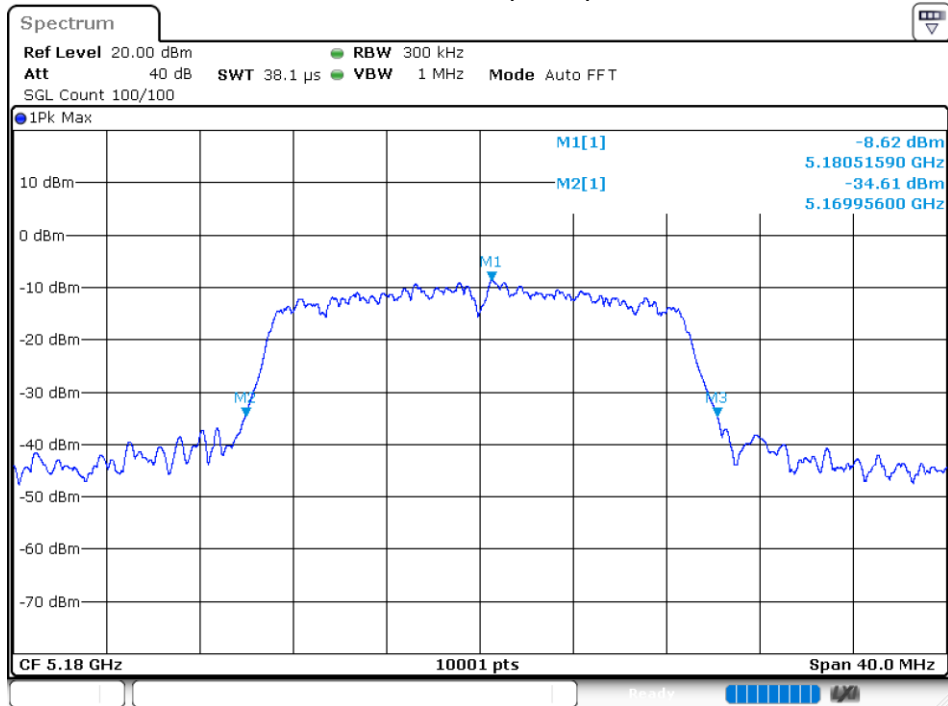
-26 dB BW NVNT 802.11ac80 5210MHz Ant1



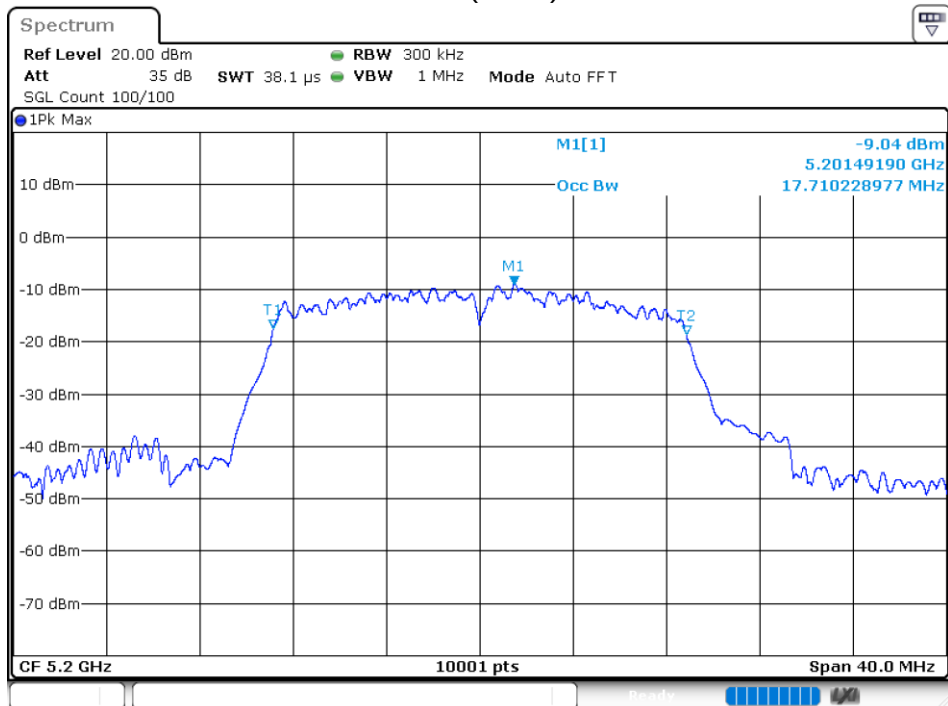
OBW NVNT 802.11n(HT20) 5180MHz Ant1



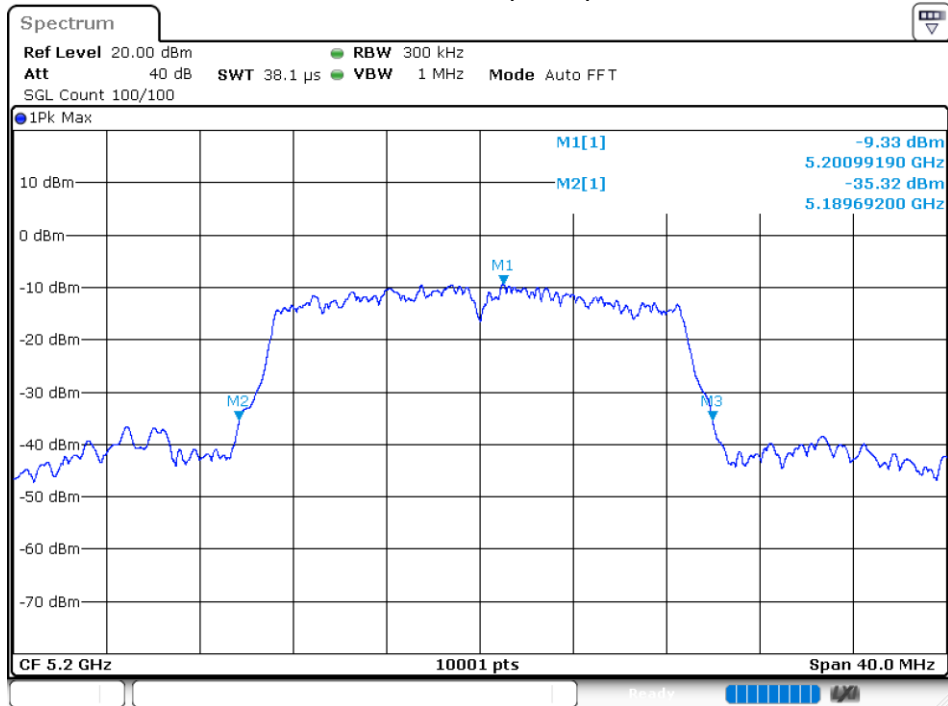
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant1



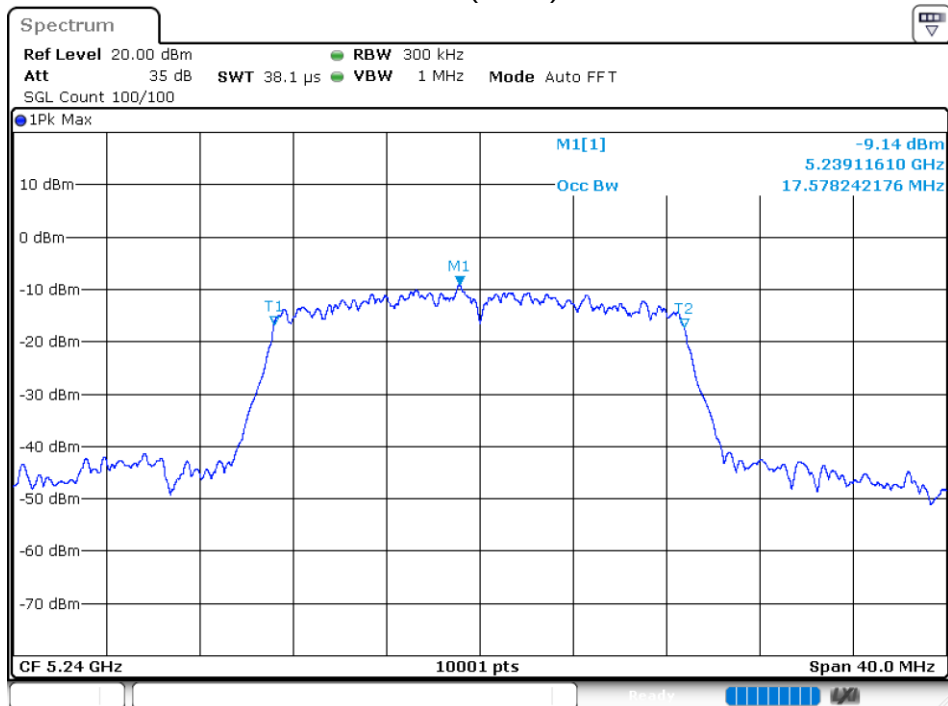
OBW NVNT 802.11n(HT20) 5200MHz Ant1



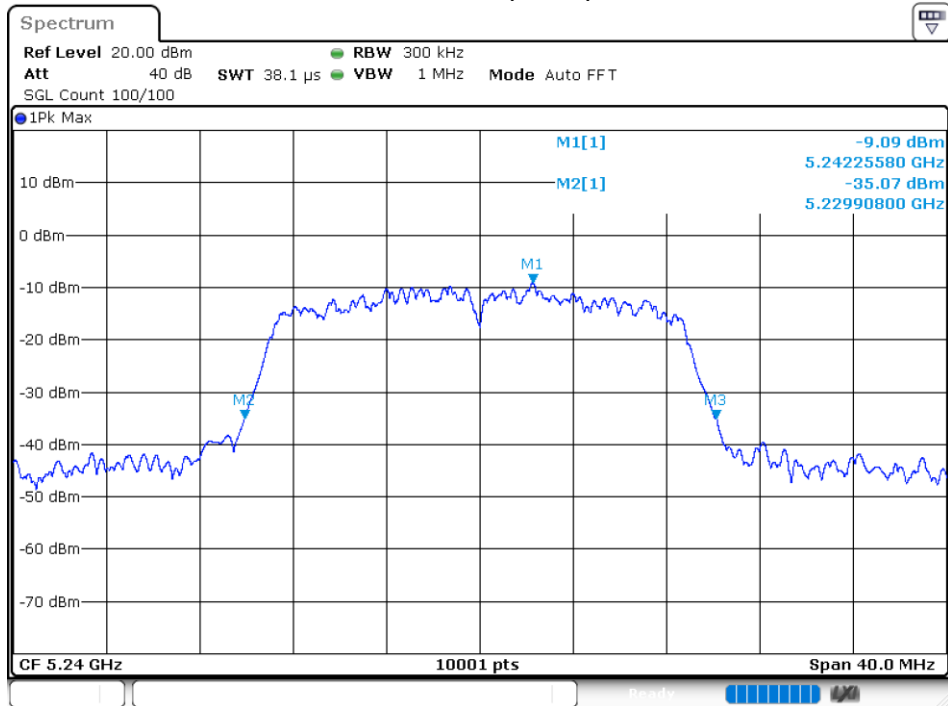
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant1



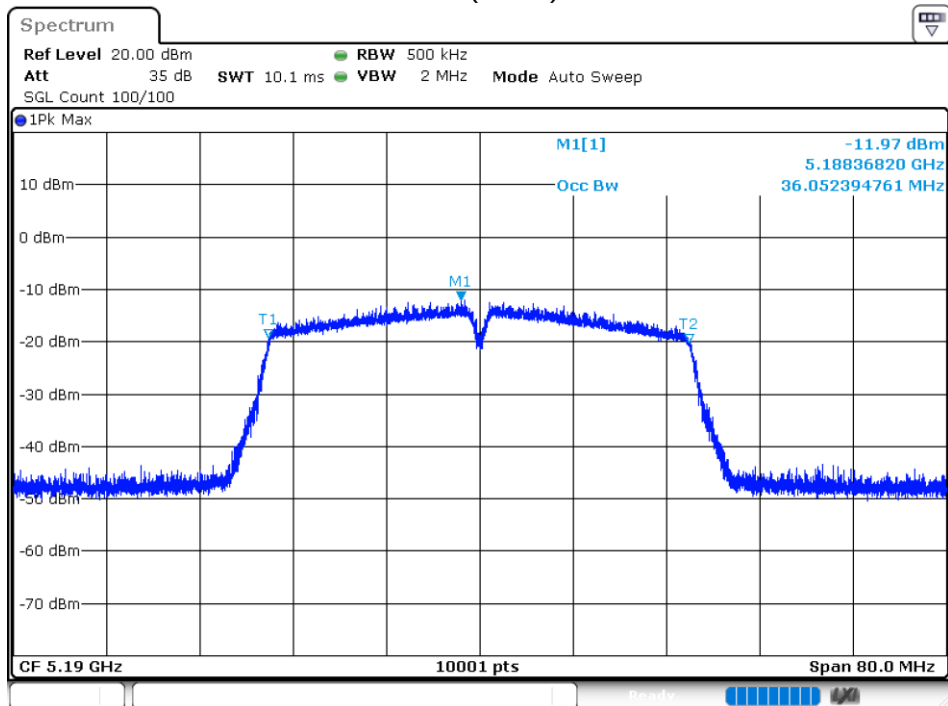
OBW NVNT 802.11n(HT20) 5240MHz Ant1



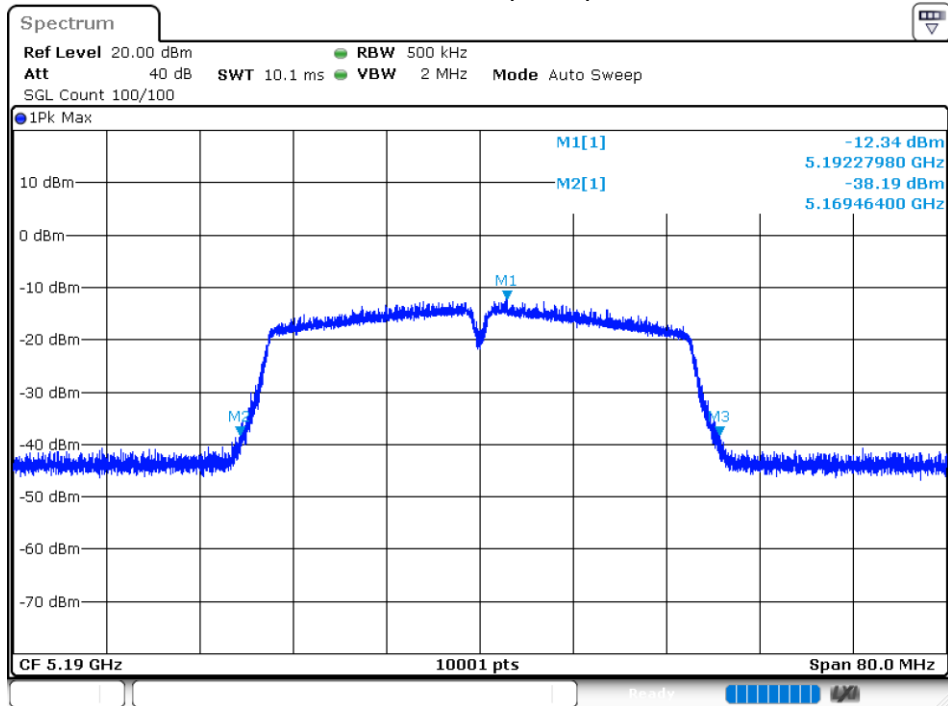
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant1



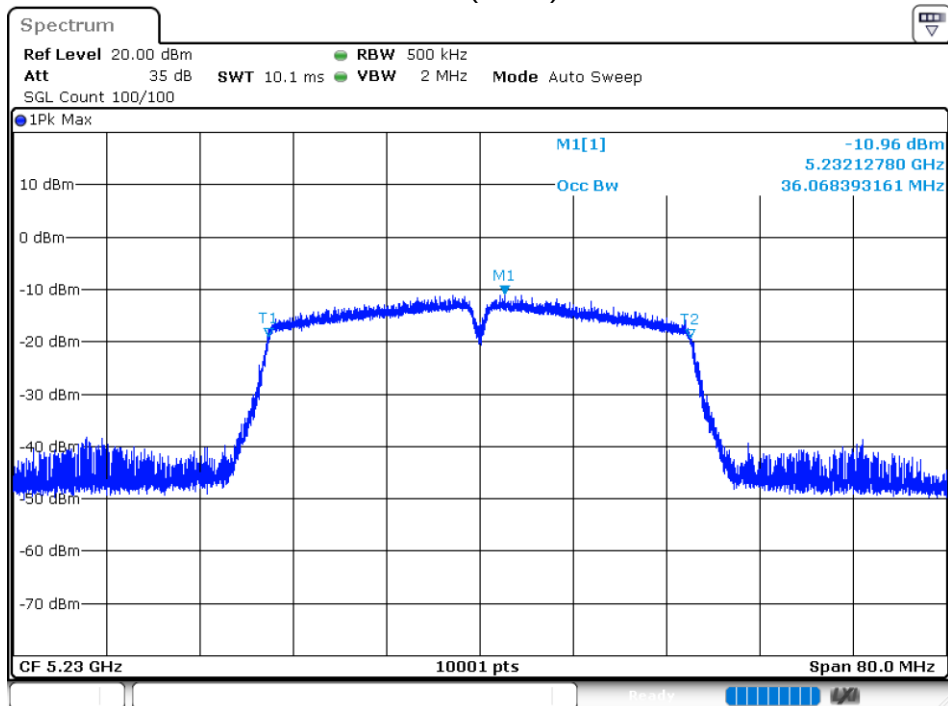
OBW NVNT 802.11n(HT40) 5190MHz Ant1



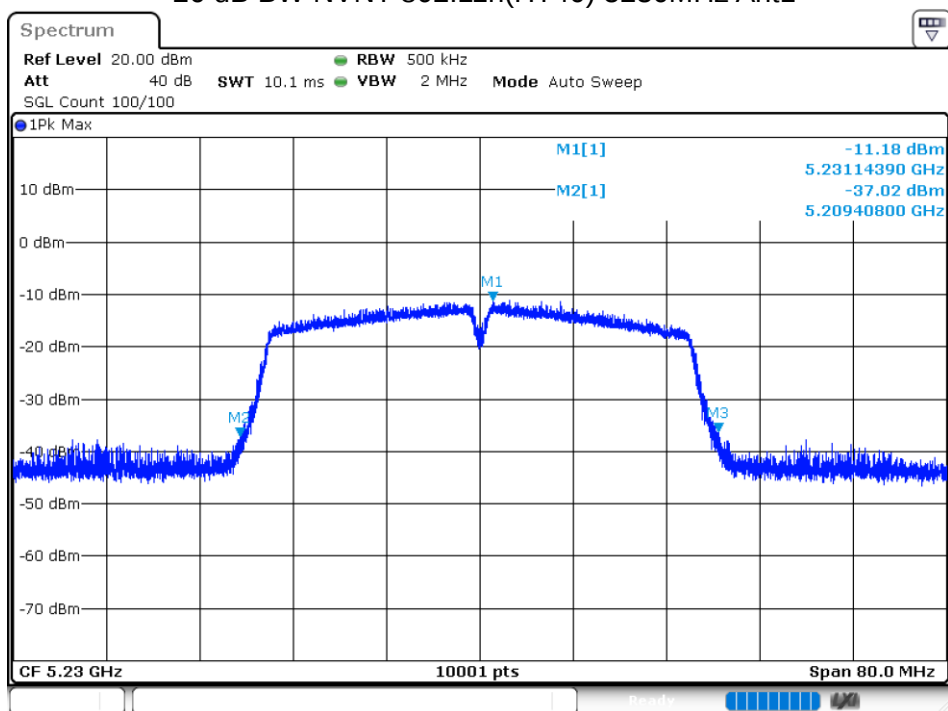
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant1



OBW NVNT 802.11n(HT40) 5230MHz Ant1



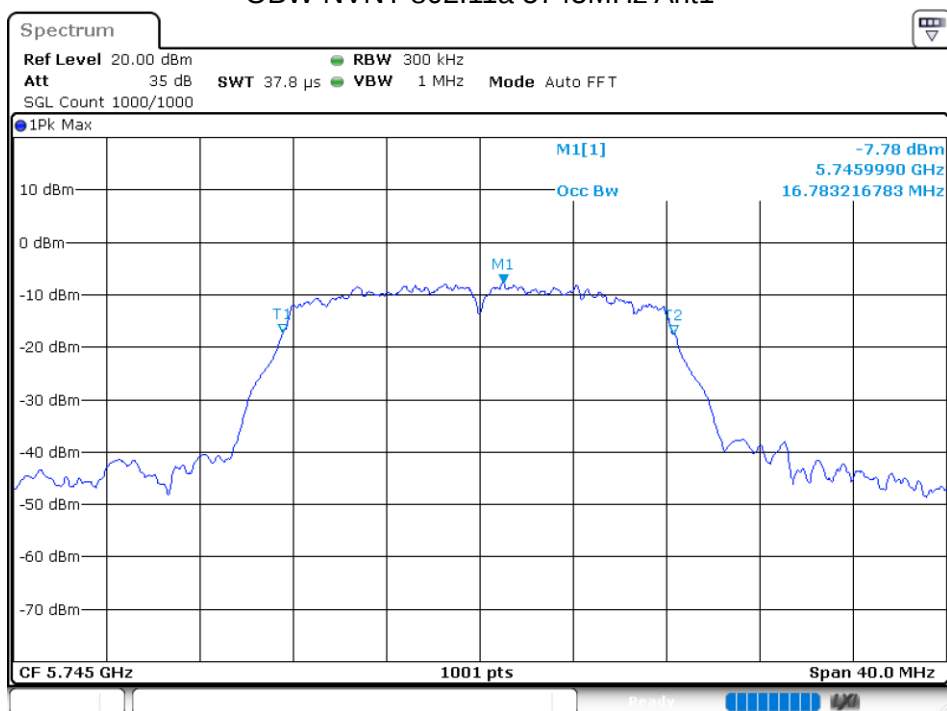
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant1



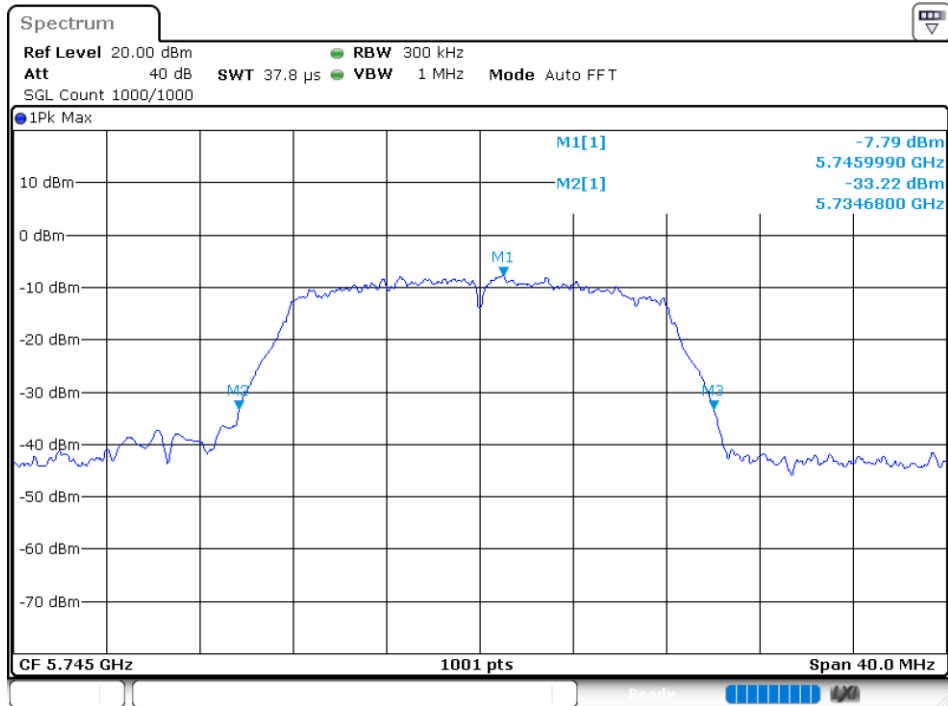
5.8G:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.7832	20.36	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.6234	20.04	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.5435	20.08	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	17.6224	20.56	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.7023	20.6	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.6623	20.52	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	36.1239	40.96	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.2038	41.44	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.2847	80.96	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.7822	20.52	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.7822	20.4	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.7822	20.4	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.2038	40.8	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.2837	40.88	0.5	Pass

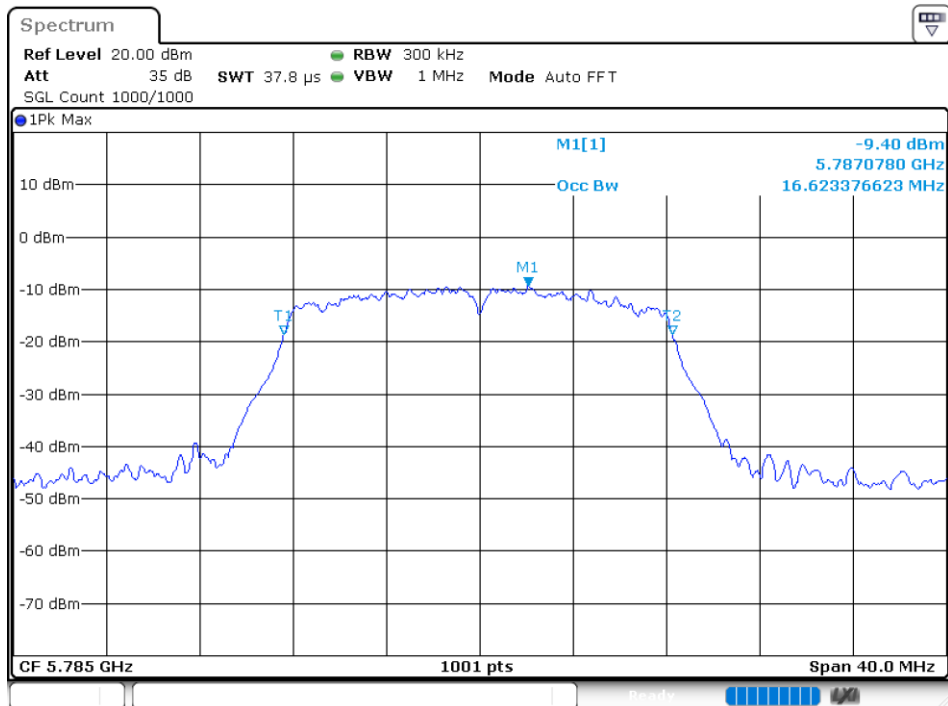
OBW NVNT 802.11a 5745MHz Ant1



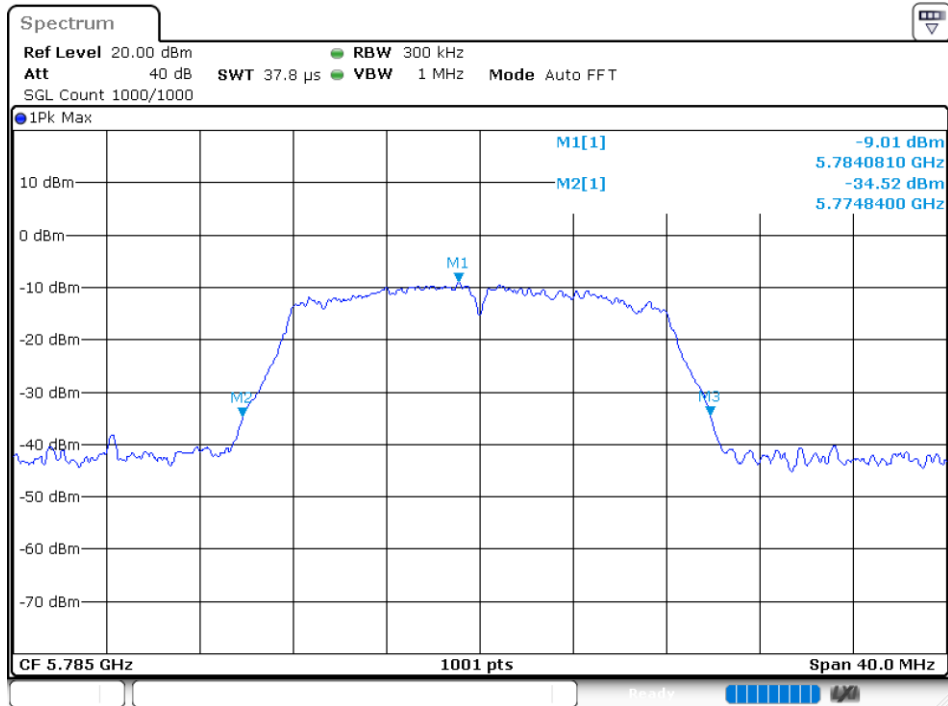
-26 dB BW NVNT 802.11a 5745MHz Ant1



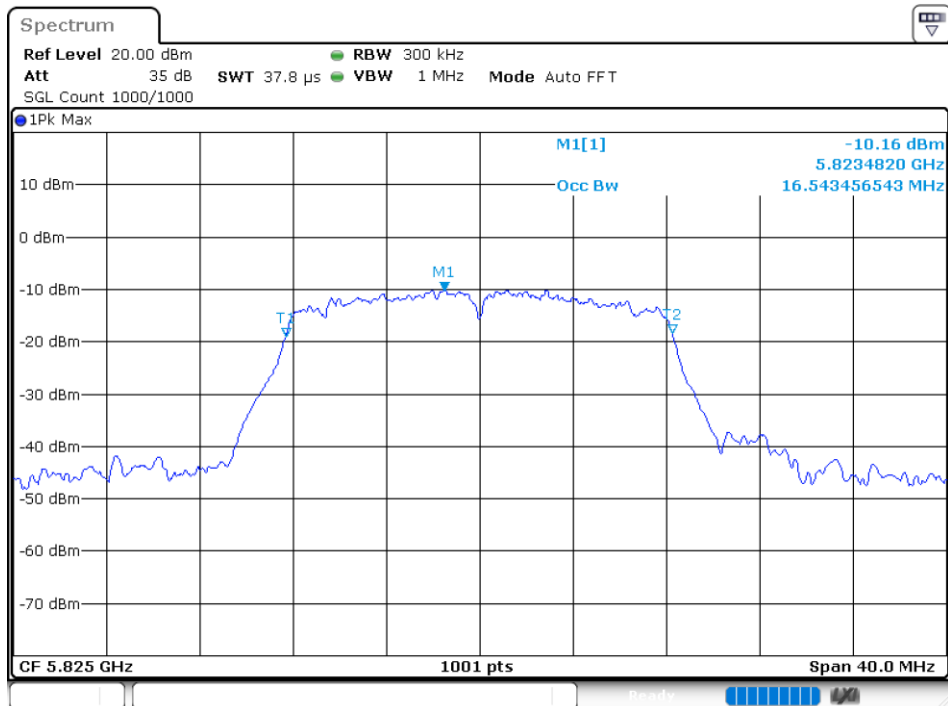
OBW NVNT 802.11a 5785MHz Ant1



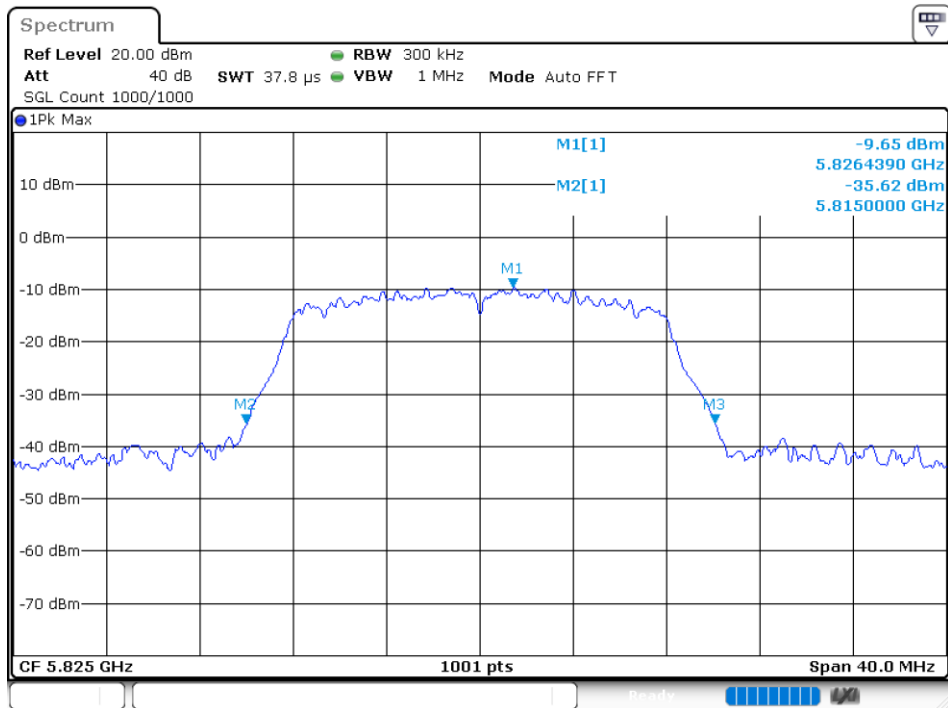
-26 dB BW NVNT 802.11a 5785MHz Ant1



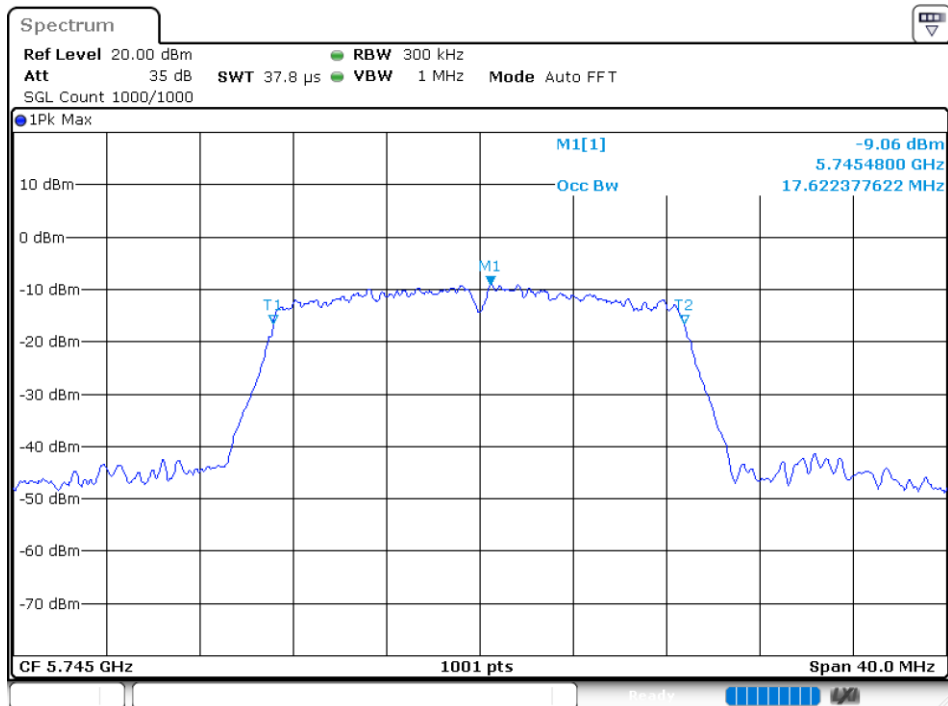
OBW NVNT 802.11a 5825MHz Ant1



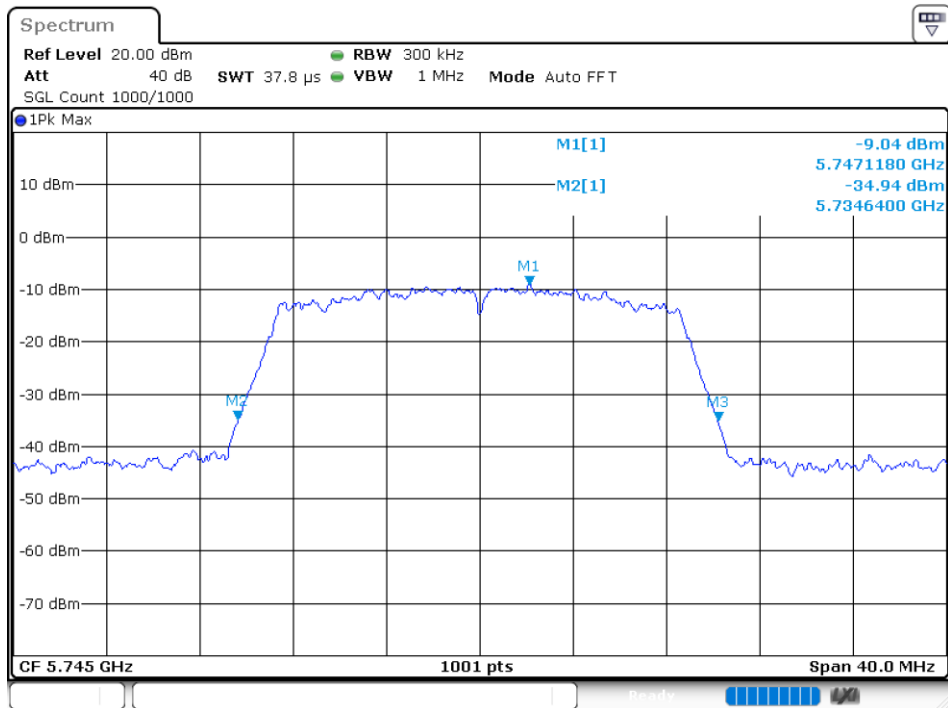
-26 dB BW NVNT 802.11a 5825MHz Ant1



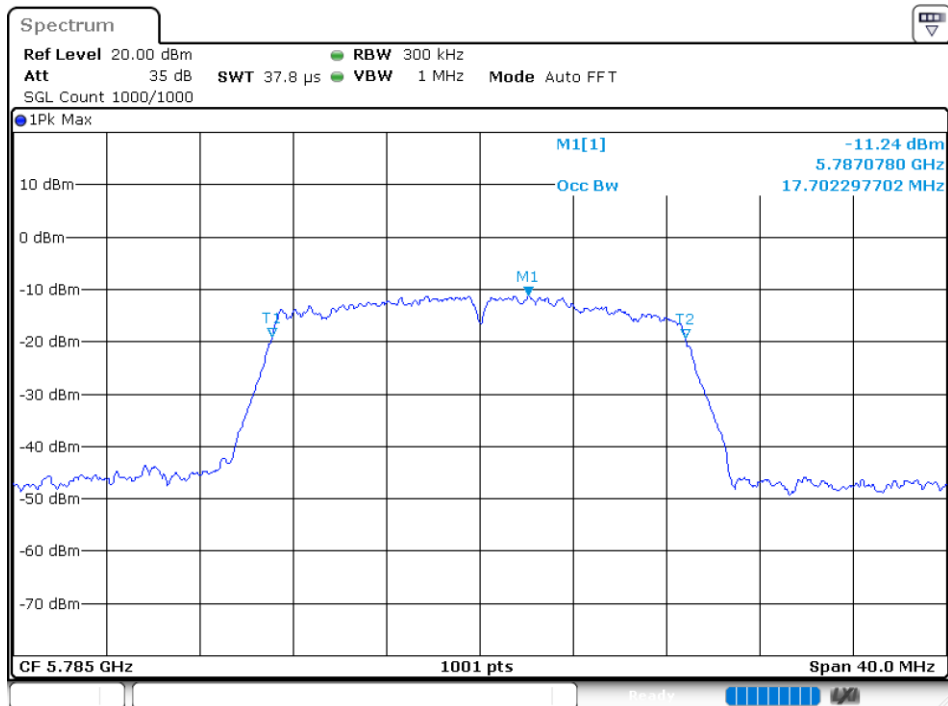
OBW NVNT 802.11ac20 5745MHz Ant1



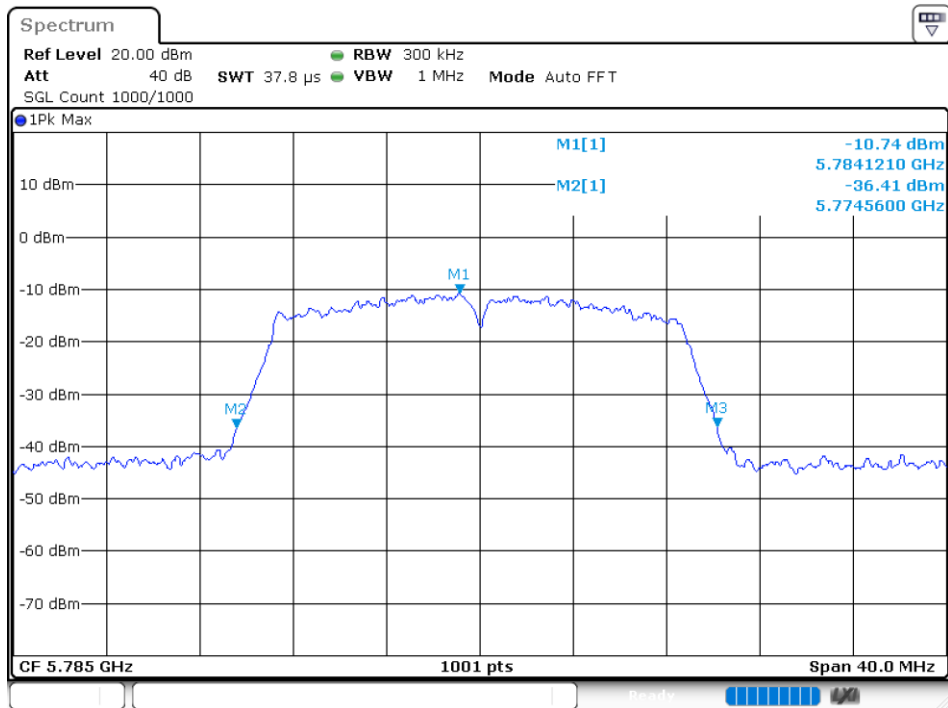
-26 dB BW NVNT 802.11ac20 5745MHz Ant1



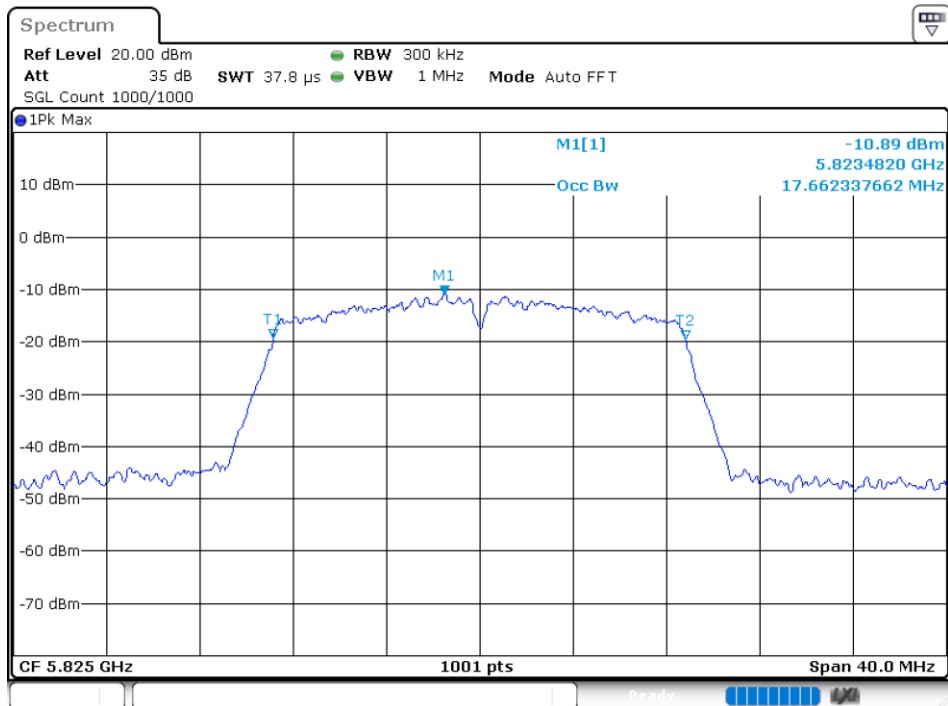
OBW NVNT 802.11ac20 5785MHz Ant1



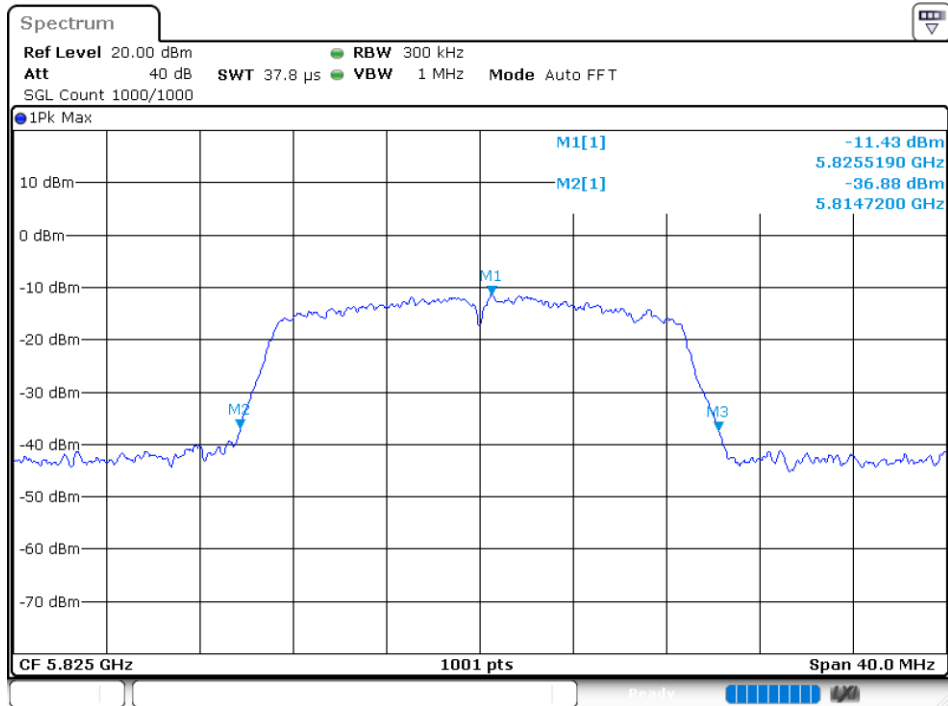
-26 dB BW NVNT 802.11ac20 5785MHz Ant1



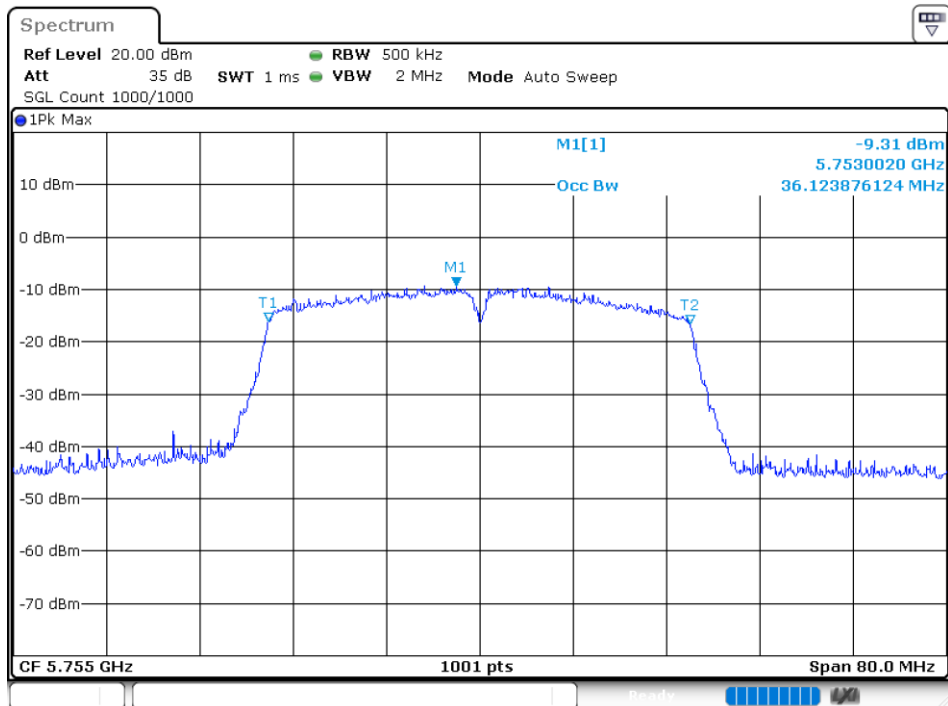
OBW NVNT 802.11ac20 5825MHz Ant1



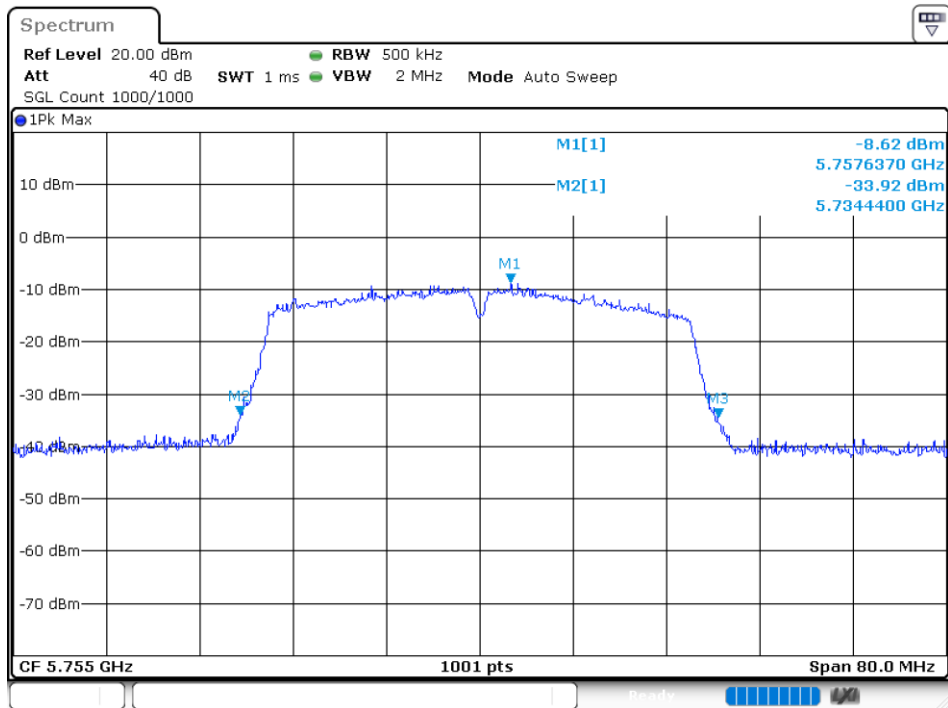
-26 dB BW NVNT 802.11ac20 5825MHz Ant1



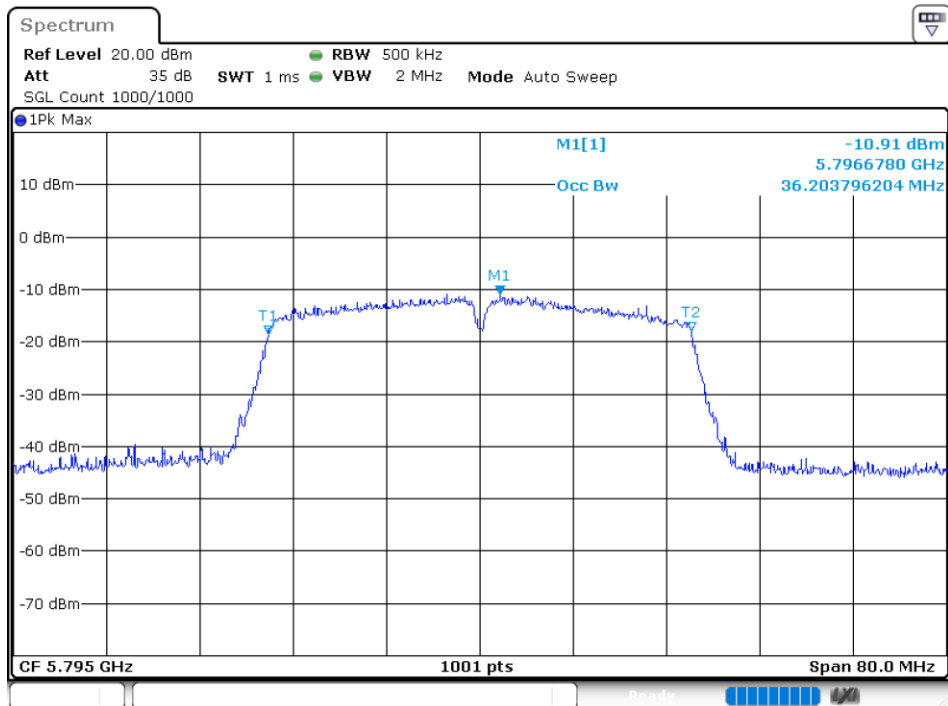
OBW NVNT 802.11ac40 5755MHz Ant1



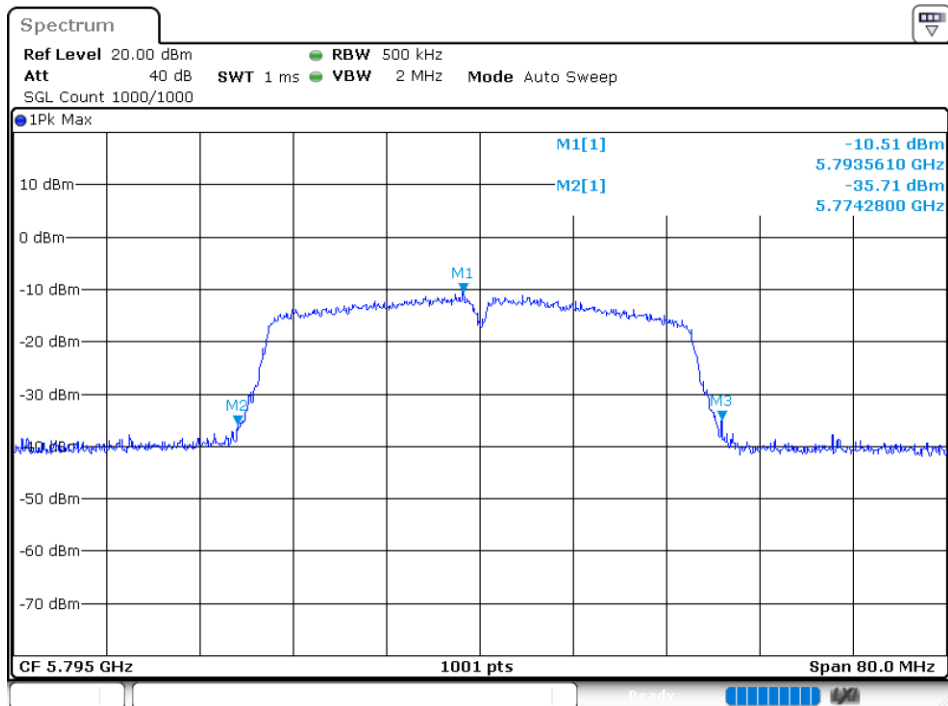
-26 dB BW NVNT 802.11ac40 5755MHz Ant1



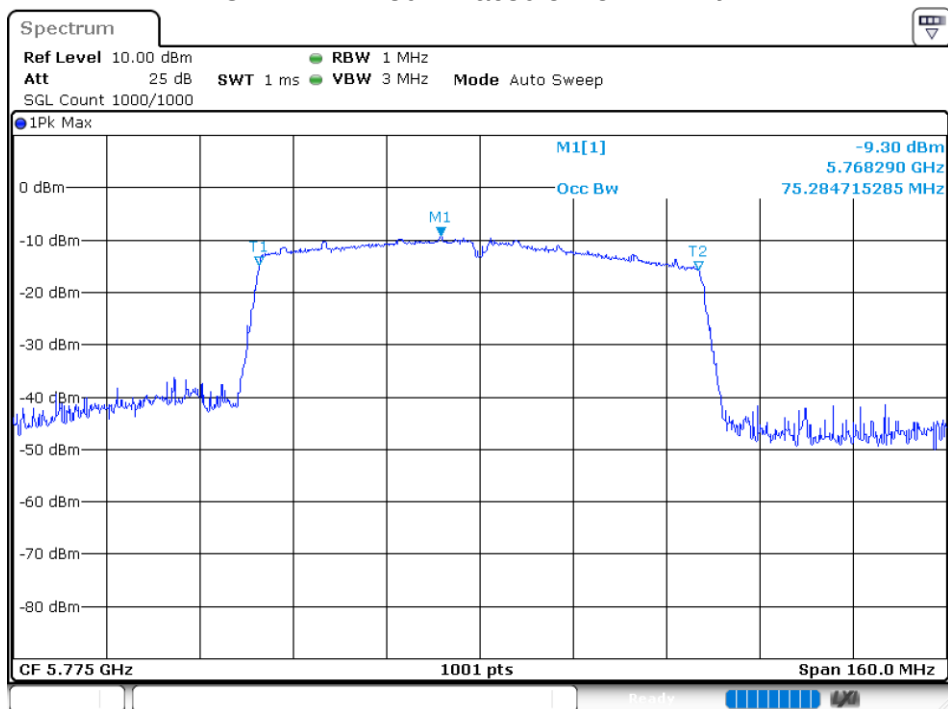
OBW NVNT 802.11ac40 5795MHz Ant1



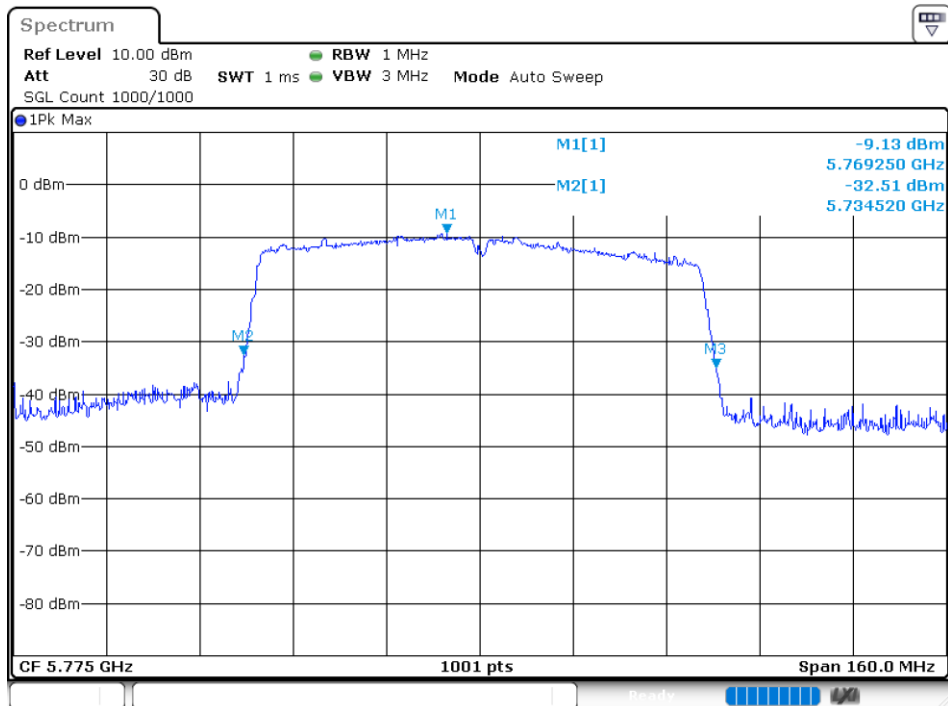
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



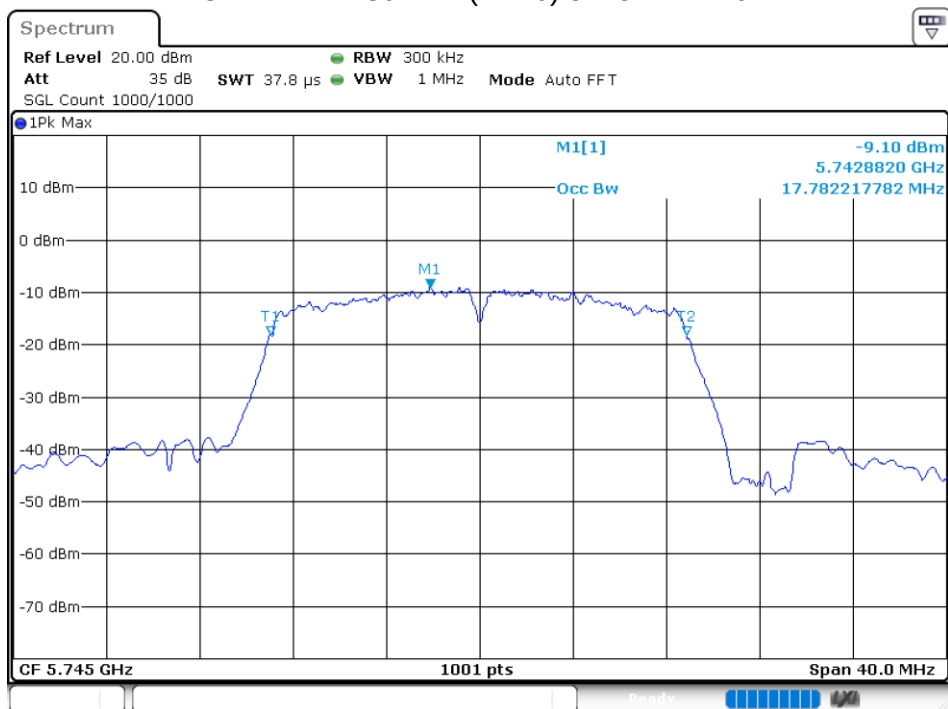
OBW NVNT 802.11ac80 5775MHz Ant1



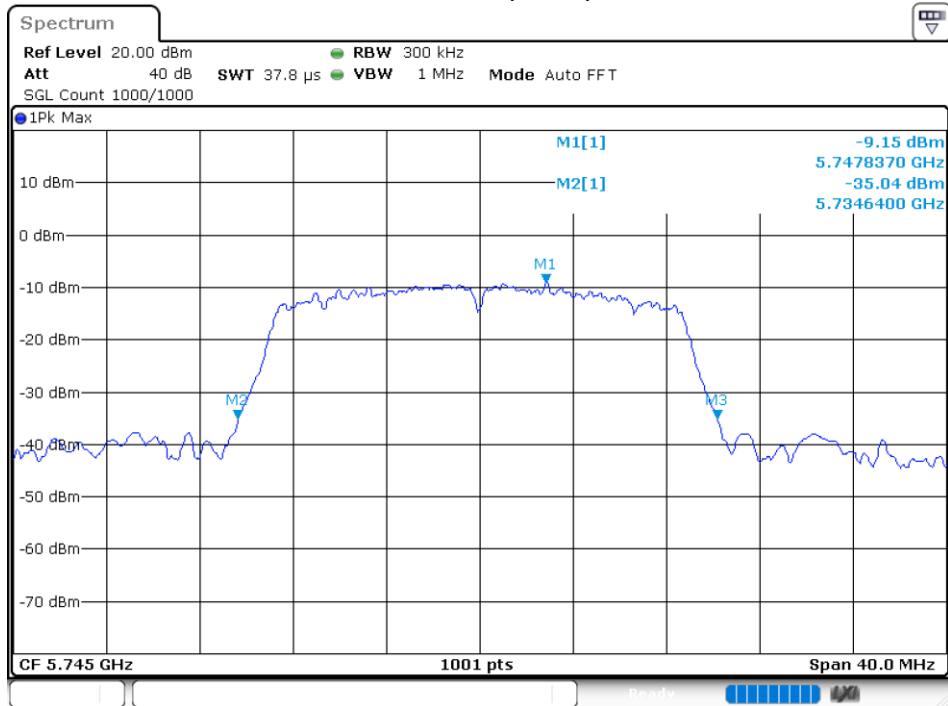
-26 dB BW NVNT 802.11ac80 5775MHz Ant1



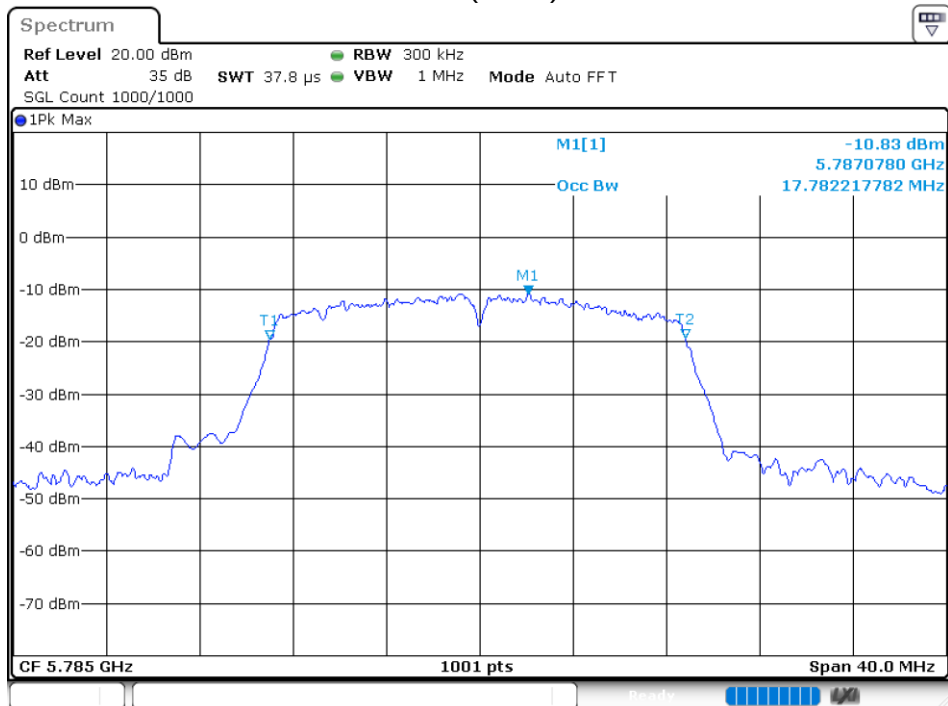
OBW NVNT 802.11n(HT20) 5745MHz Ant1



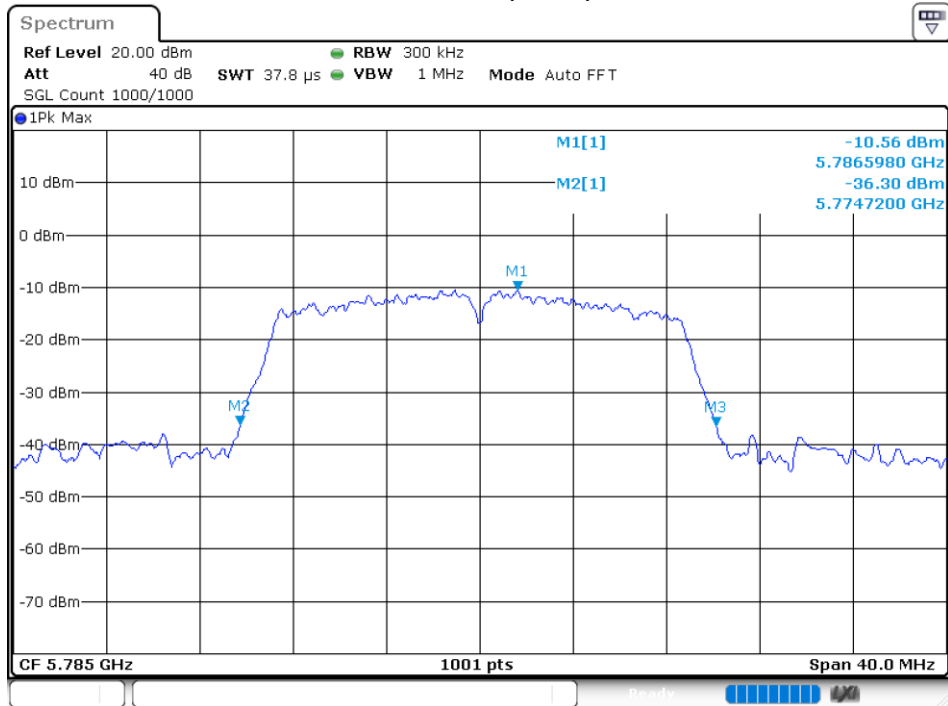
-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1



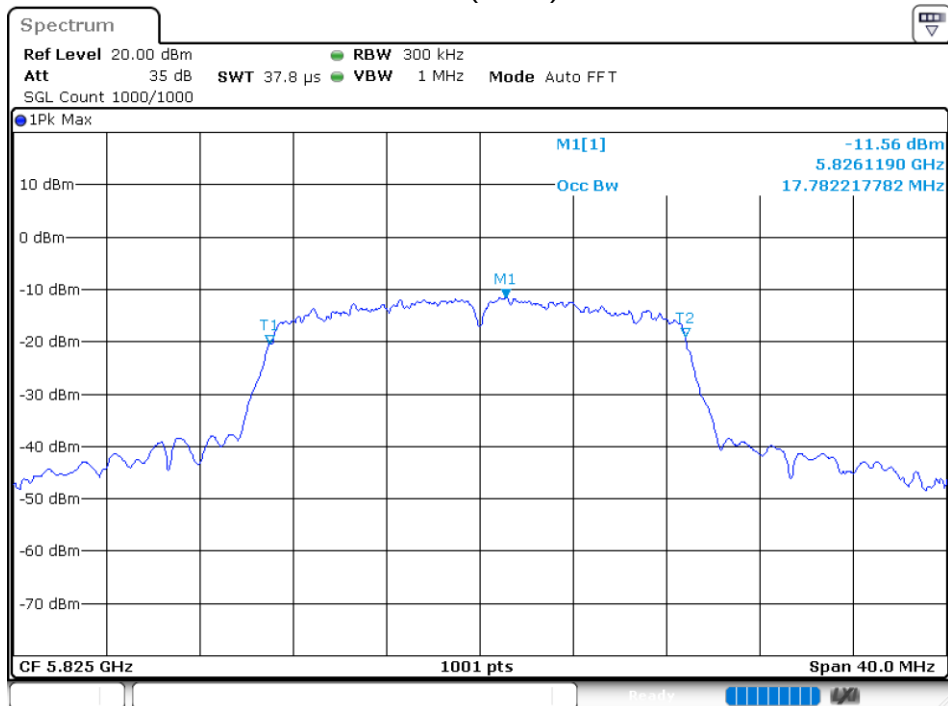
OBW NVNT 802.11n(HT20) 5785MHz Ant1



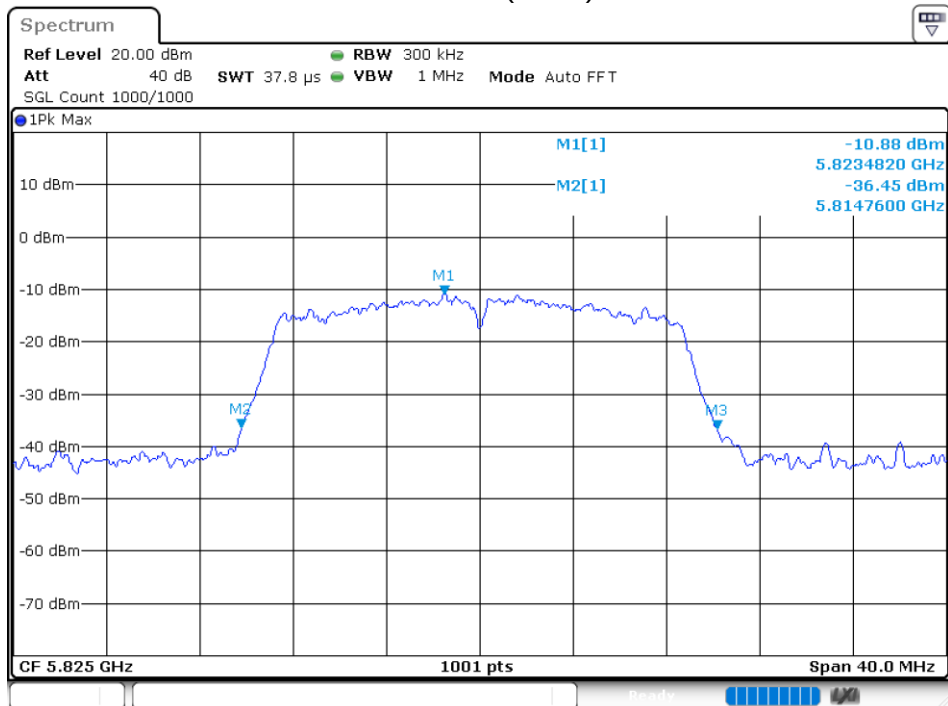
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



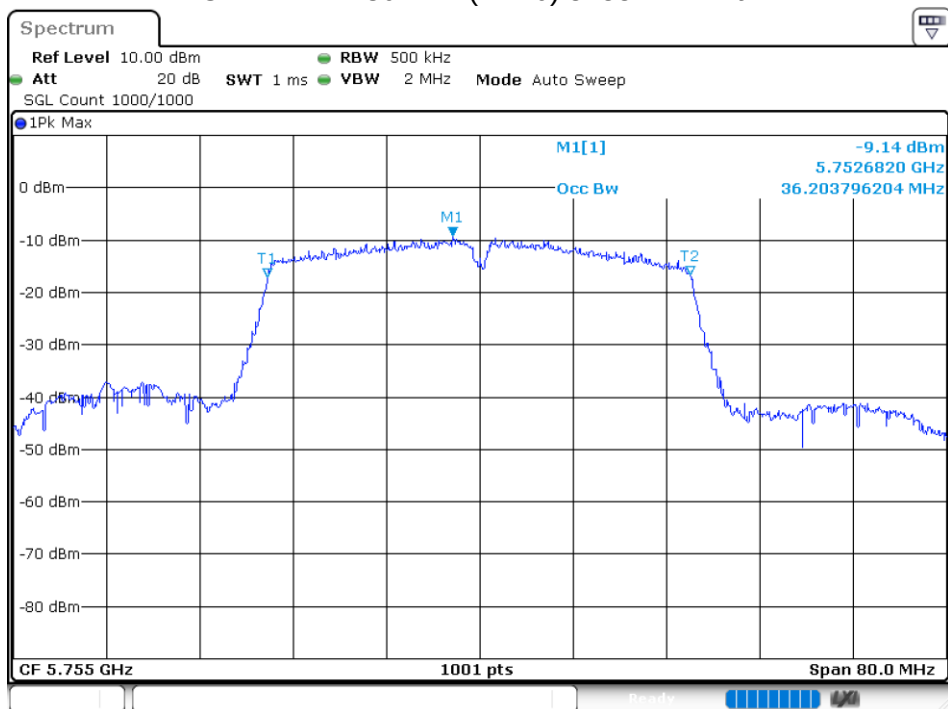
OBW NVNT 802.11n(HT20) 5825MHz Ant1



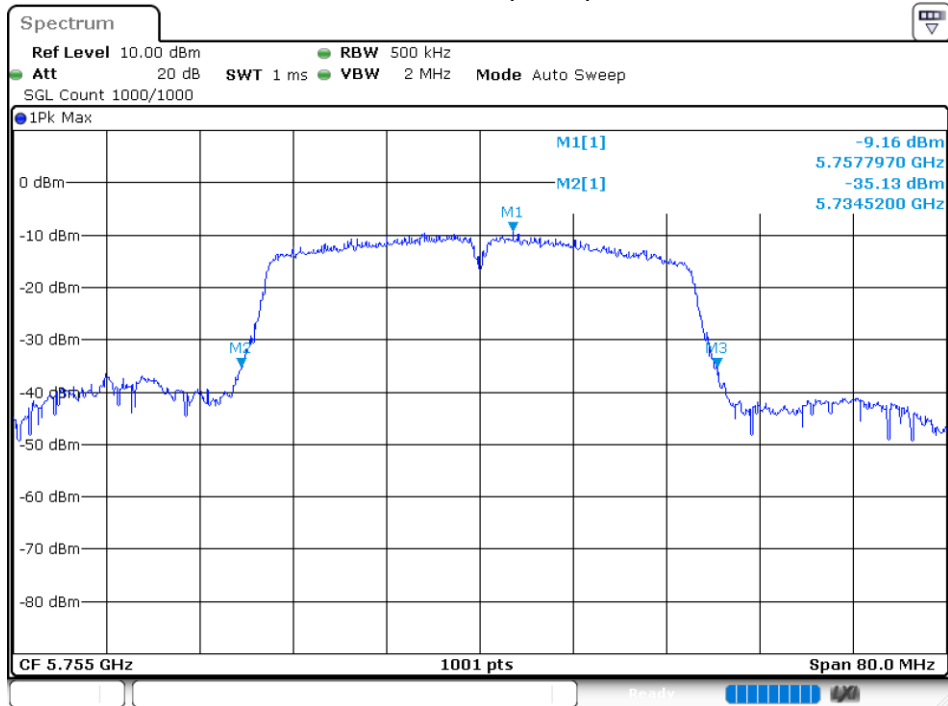
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



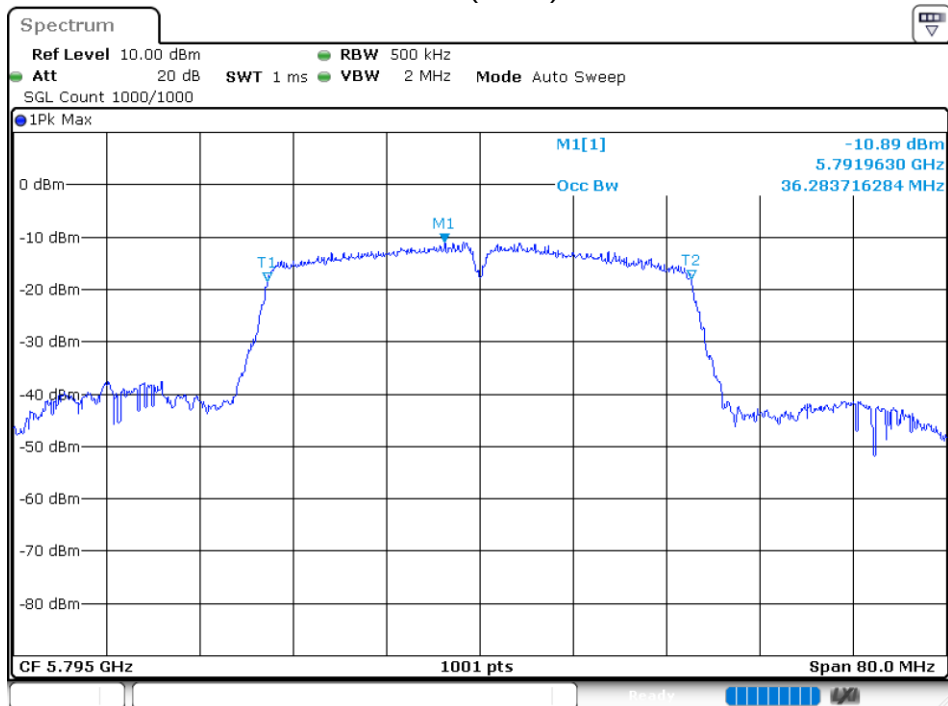
OBW NVNT 802.11n(HT40) 5755MHz Ant1



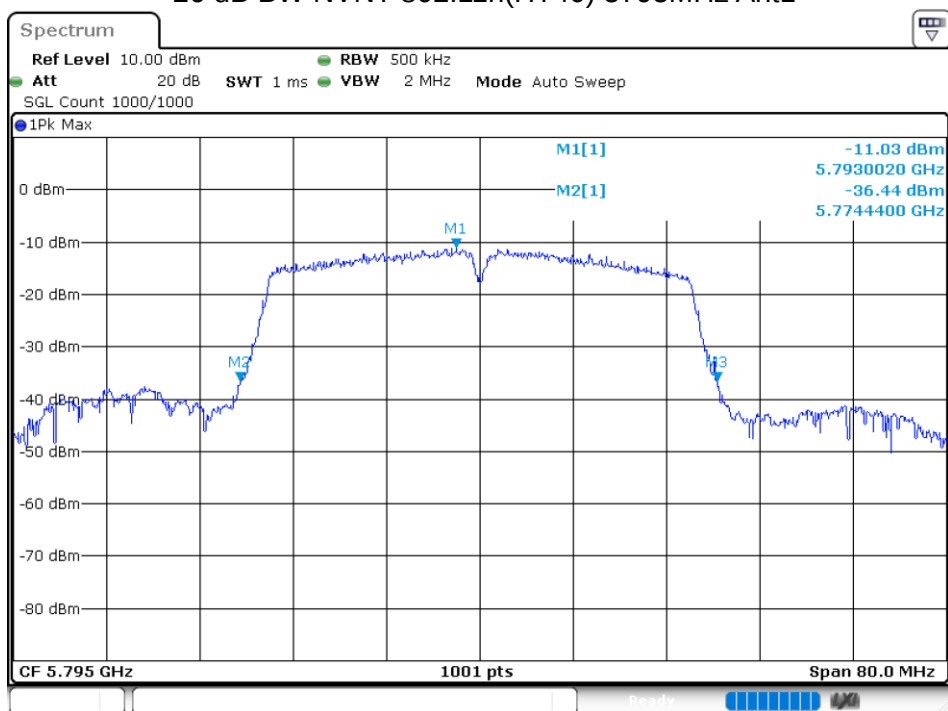
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1



-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1

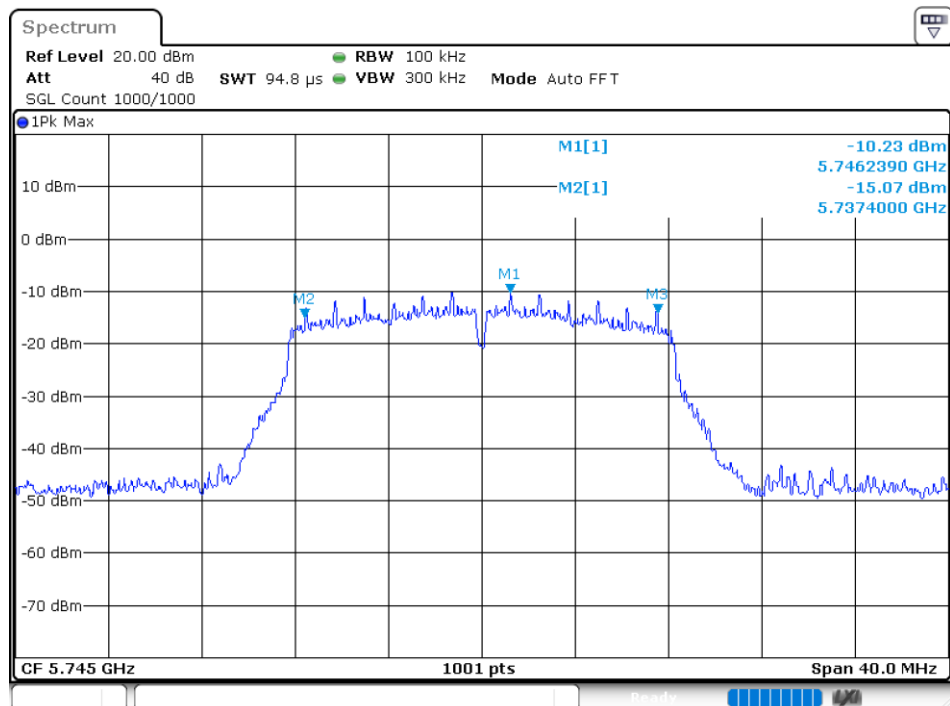


5.4 -6DB EMISSION BANDWIDTH

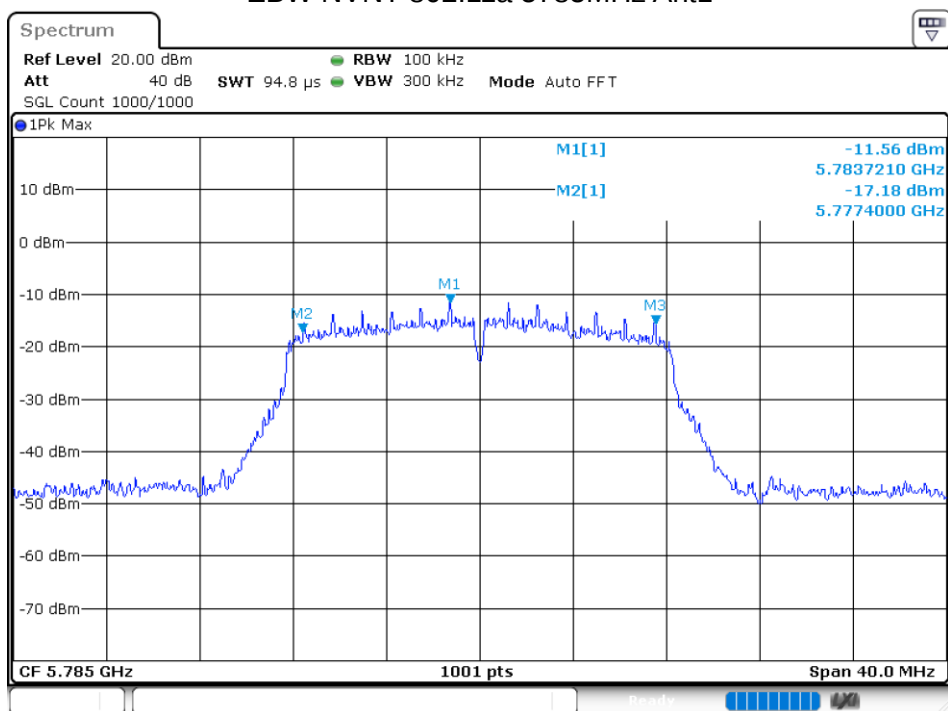
5.8G:

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	15.12	0.5	Pass
NVNT	802.11a	5785	Ant 1	15.12	0.5	Pass
NVNT	802.11a	5825	Ant 1	15.12	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	15.12	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	15.32	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	15.12	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	35.12	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	35.12	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.04	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	15.32	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	15.12	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	15.12	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	35.12	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	35.12	0.5	Pass

EBW NVNT 802.11a 5745MHz Ant1



EBW NVNT 802.11a 5785MHz Ant1



EBW NVNT 802.11a 5825MHz Ant1

