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	10.44	0	10.44	24	Pass
NVNT	802.11a	5200	Ant 1	9.76	0	9.76	24	Pass
NVNT	802.11a	5240	Ant 1	10.16	0	10.16	24	Pass
NVNT	802.11ac20	5180	Ant 1	10.38	0	10.38	24	Pass
NVNT	802.11ac20	5200	Ant 1	9.77	0	9.77	24	Pass
NVNT	802.11ac20	5240	Ant 1	10.22	0	10.22	24	Pass
NVNT	802.11ac40	5190	Ant 1	8.46	0	8.46	24	Pass
NVNT	802.11ac40	5230	Ant 1	8.39	0	8.39	24	Pass
NVNT	802.11ac80	5210	Ant 1	8	0	8	24	Pass
NVNT	802.11n(HT20)	5180	Ant 1	10.39	0	10.39	24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	9.79	0	9.79	24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	10.2	0	10.2	24	Pass
NVNT	802.11n(HT40)	5190	Ant 1	8.35	0	8.35	24	Pass
NVNT	802.11n(HT40)	5230	Ant 1	8.33	0	8.33	24	Pass

5.8G:

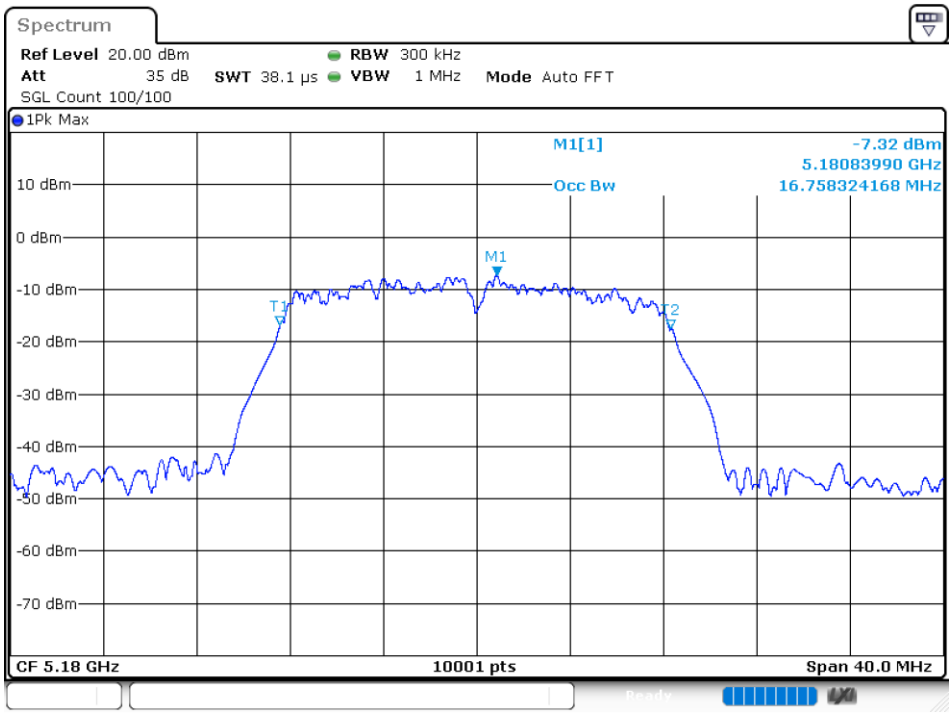
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	8.89	0	8.89	30	Pass
NVNT	802.11a	5785	Ant 1	9.22	0	9.22	30	Pass
NVNT	802.11a	5825	Ant 1	7.69	0	7.69	30	Pass
NVNT	802.11ac20	5745	Ant 1	7.62	0	7.62	30	Pass
NVNT	802.11ac20	5785	Ant 1	8.02	0	8.02	30	Pass
NVNT	802.11ac20	5825	Ant 1	6.4	0	6.4	30	Pass
NVNT	802.11ac40	5755	Ant 1	7.83	0	7.83	30	Pass
NVNT	802.11ac40	5795	Ant 1	9	0	9	30	Pass
NVNT	802.11ac80	5775	Ant 1	8.28	0	8.28	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	7.73	0	7.73	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	7.85	0	7.85	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	6.36	0	6.36	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	7.63	0	7.63	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	8.97	0	8.97	30	Pass

5.3 OCCUPIED CHANNEL BANDWIDTH

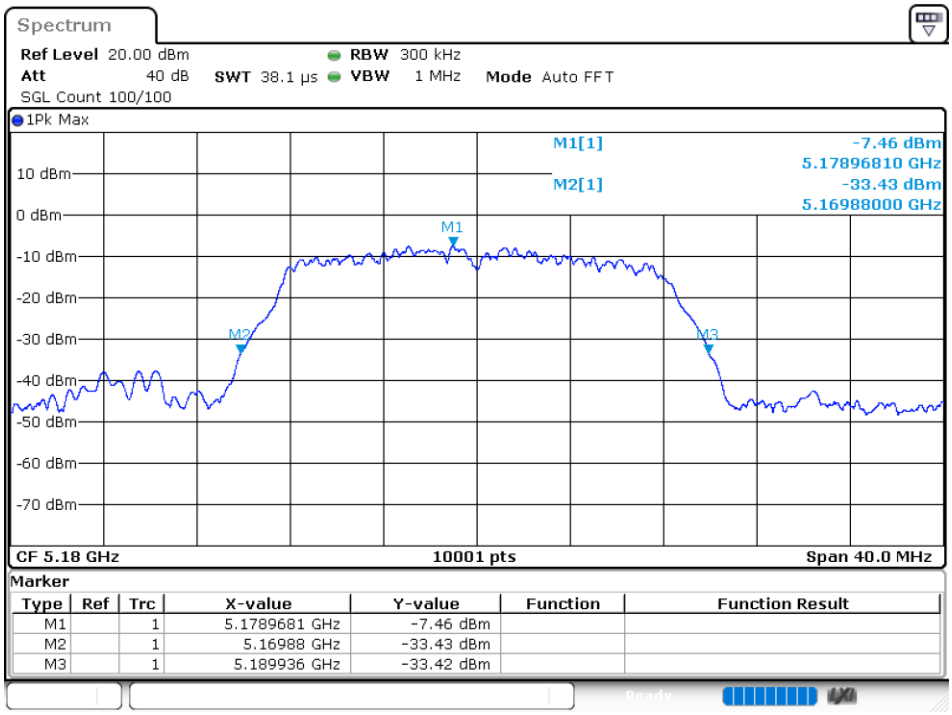
5.2G:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	16.7583	20.056	Pass
NVNT	802.11a	5200	Ant 1	16.7743	19.776	Pass
NVNT	802.11a	5240	Ant 1	16.6303	19.688	Pass
NVNT	802.11ac20	5180	Ant 1	17.5382	20.444	Pass
NVNT	802.11ac20	5200	Ant 1	17.6062	20.24	Pass
NVNT	802.11ac20	5240	Ant 1	17.5902	20.052	Pass
NVNT	802.11ac40	5190	Ant 1	36.0684	40.944	Pass
NVNT	802.11ac40	5230	Ant 1	36.0684	41.104	Pass
NVNT	802.11ac80	5210	Ant 1	75.7844	82.592	Pass
NVNT	802.11n(HT20)	5180	Ant 1	17.7262	20.308	Pass
NVNT	802.11n(HT20)	5200	Ant 1	17.7902	20.316	Pass
NVNT	802.11n(HT20)	5240	Ant 1	17.5582	20.248	Pass
NVNT	802.11n(HT40)	5190	Ant 1	36.1084	41.16	Pass
NVNT	802.11n(HT40)	5230	Ant 1	36.0604	40.912	Pass

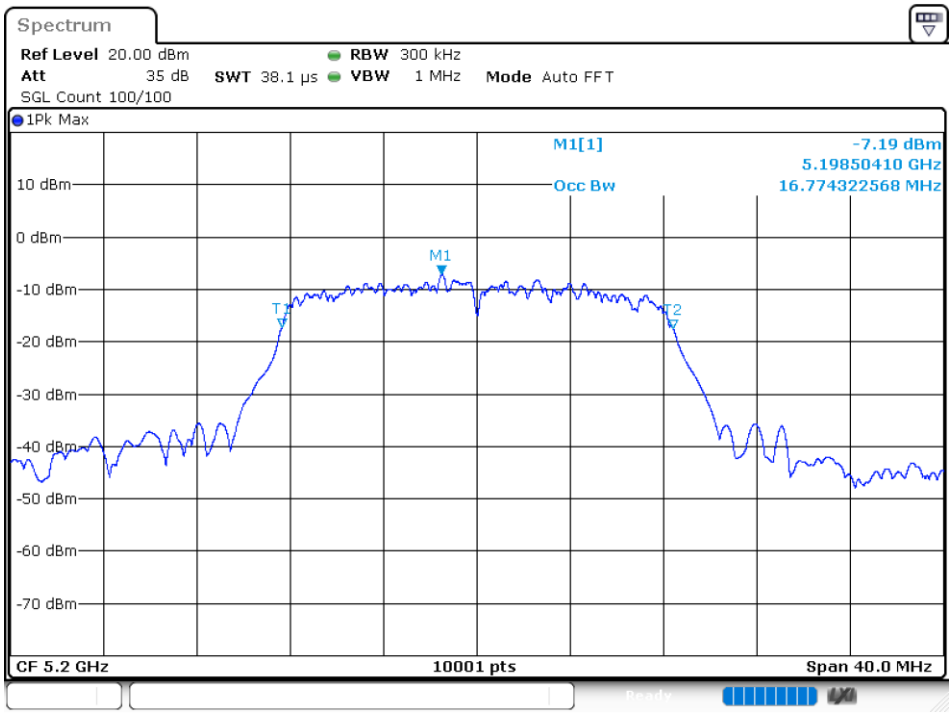
OBW NVNT 802.11a 5180MHz Ant1



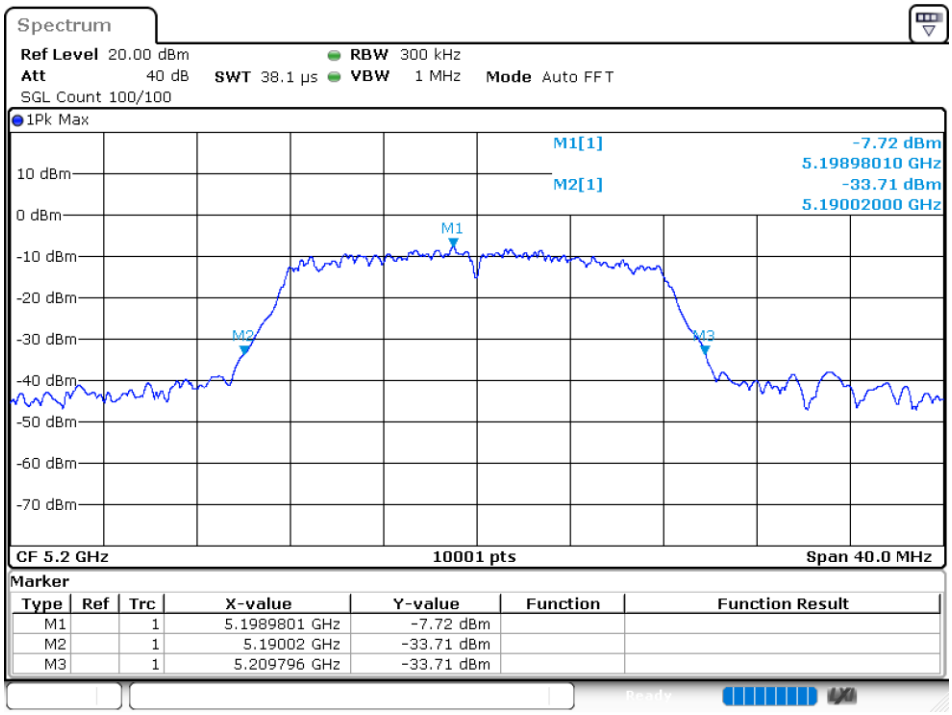
-26 dB BW NVNT 802.11a 5180MHz Ant1



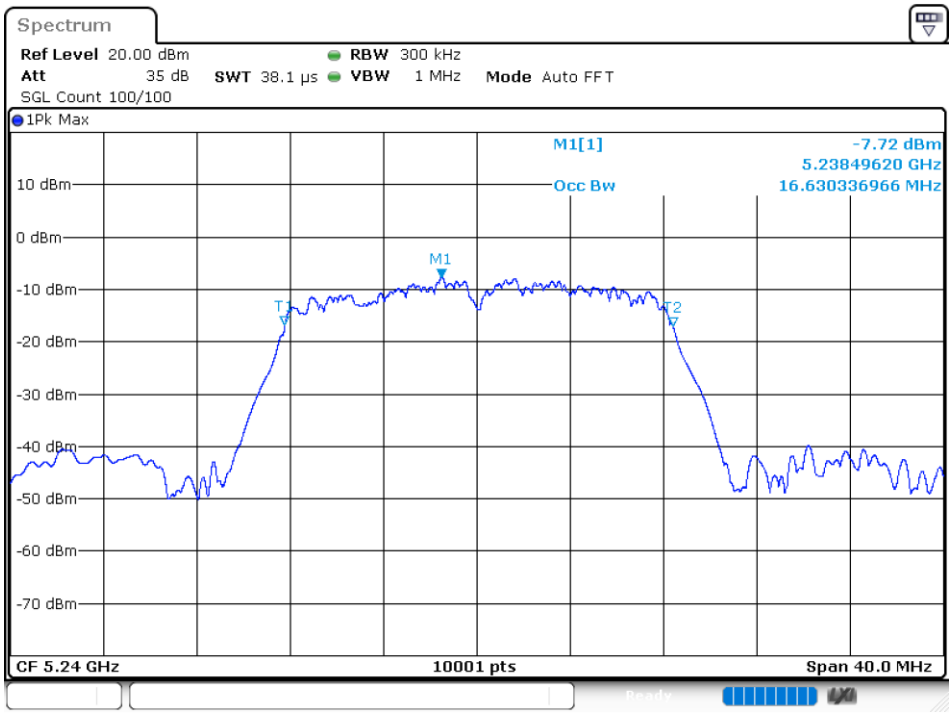
OBW NVNT 802.11a 5200MHz Ant1



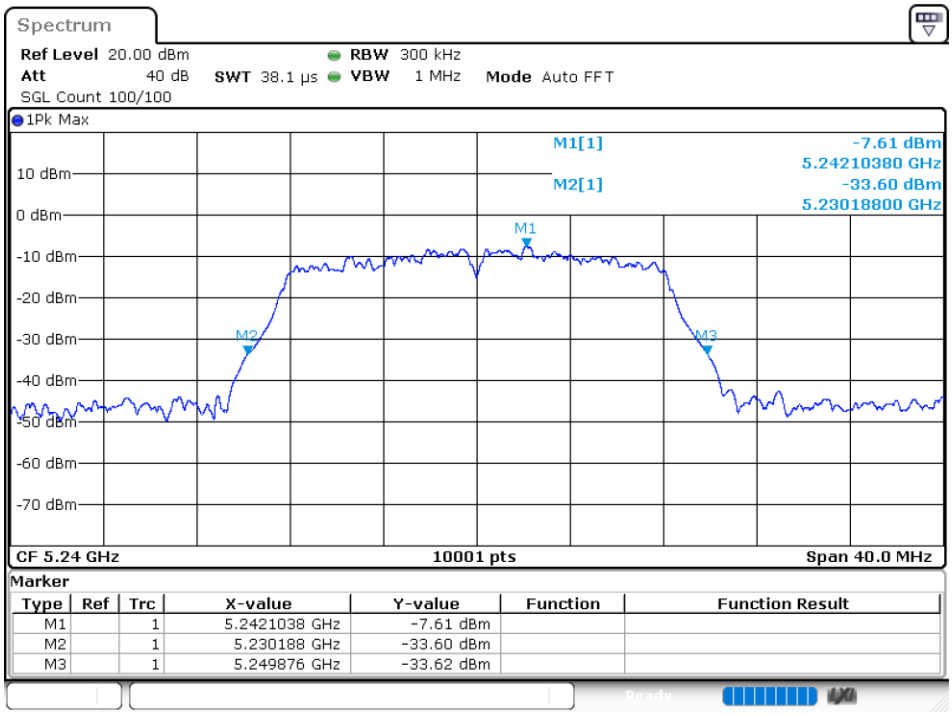
-26 dB BW NVNT 802.11a 5200MHz Ant1



OBW NVNT 802.11a 5240MHz Ant1



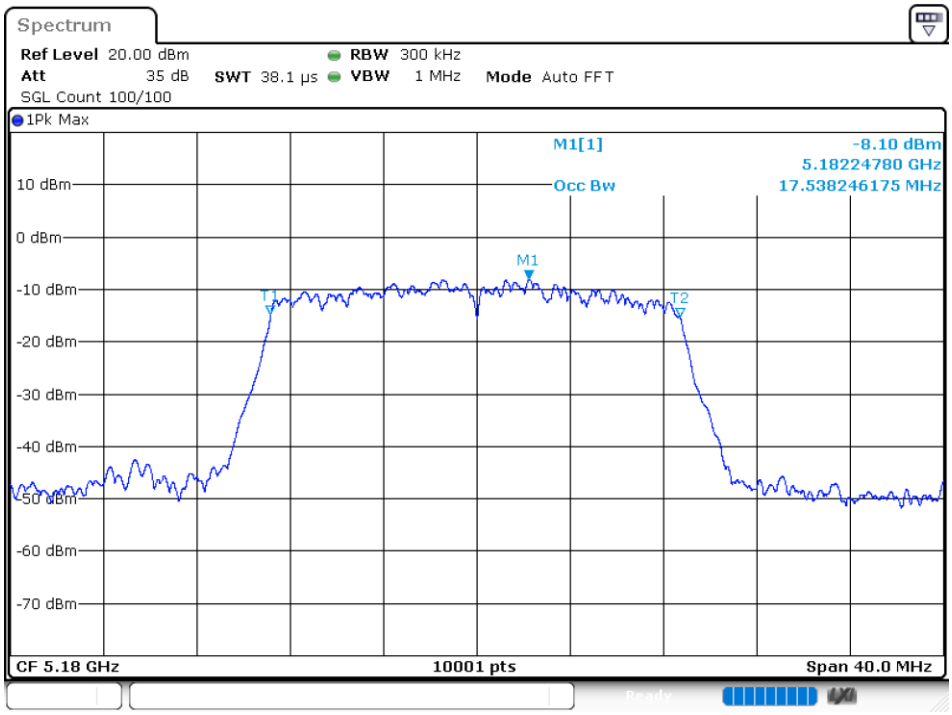
-26 dB BW NVNT 802.11a 5240MHz Ant1



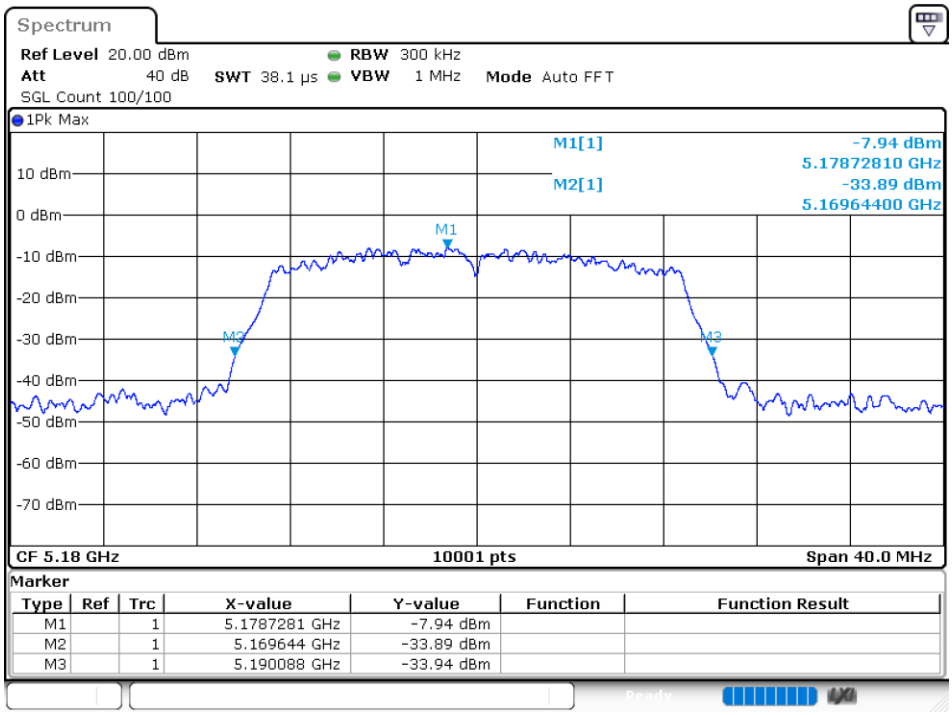
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2421038 GHz	-7.61 dBm		
M2		1	5.230188 GHz	-33.60 dBm		
M3		1	5.249876 GHz	-33.62 dBm		

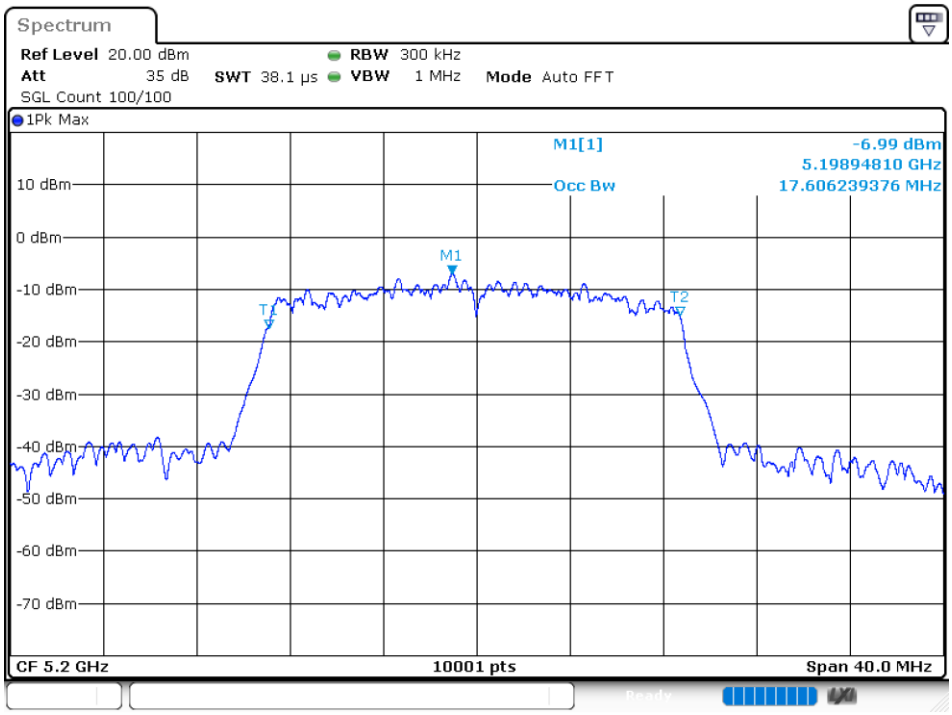
OBW NVNT 802.11ac20 5180MHz Ant1



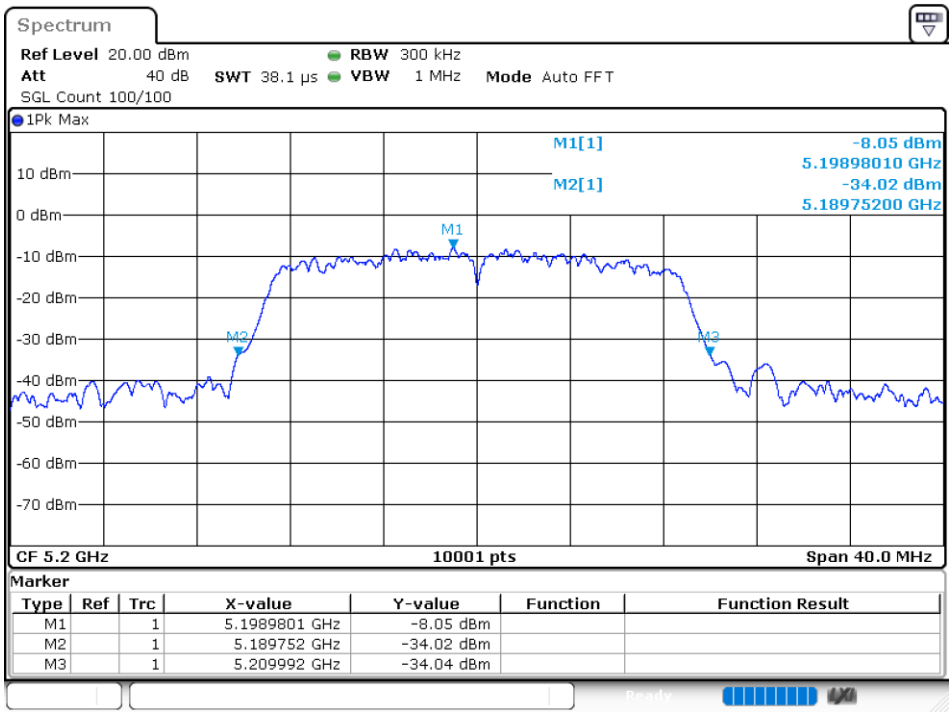
-26 dB BW NVNT 802.11ac20 5180MHz Ant1



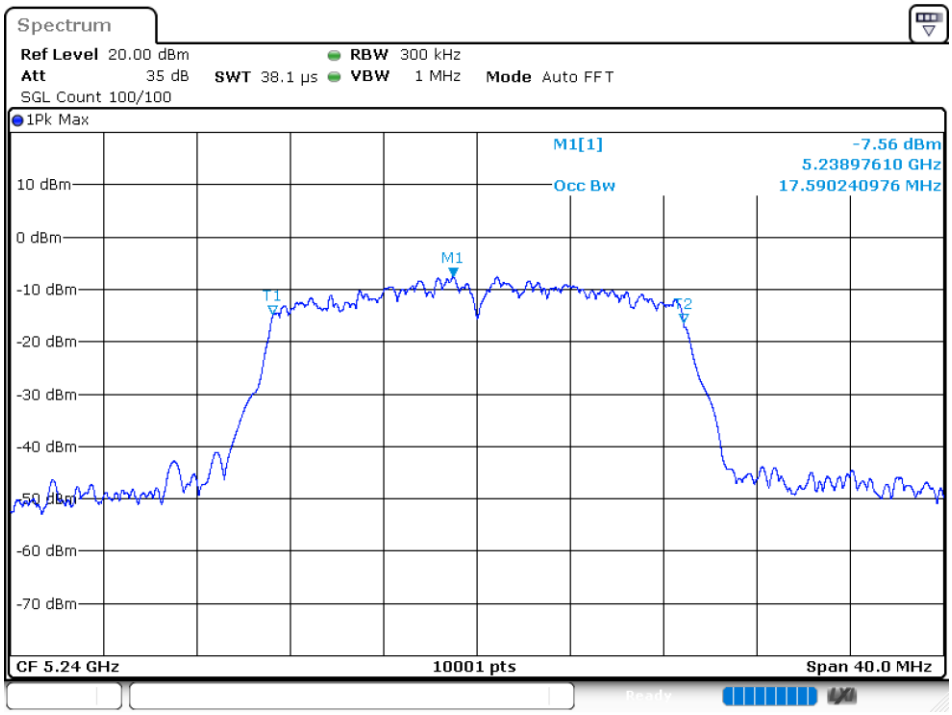
OBW NVNT 802.11ac20 5200MHz Ant1



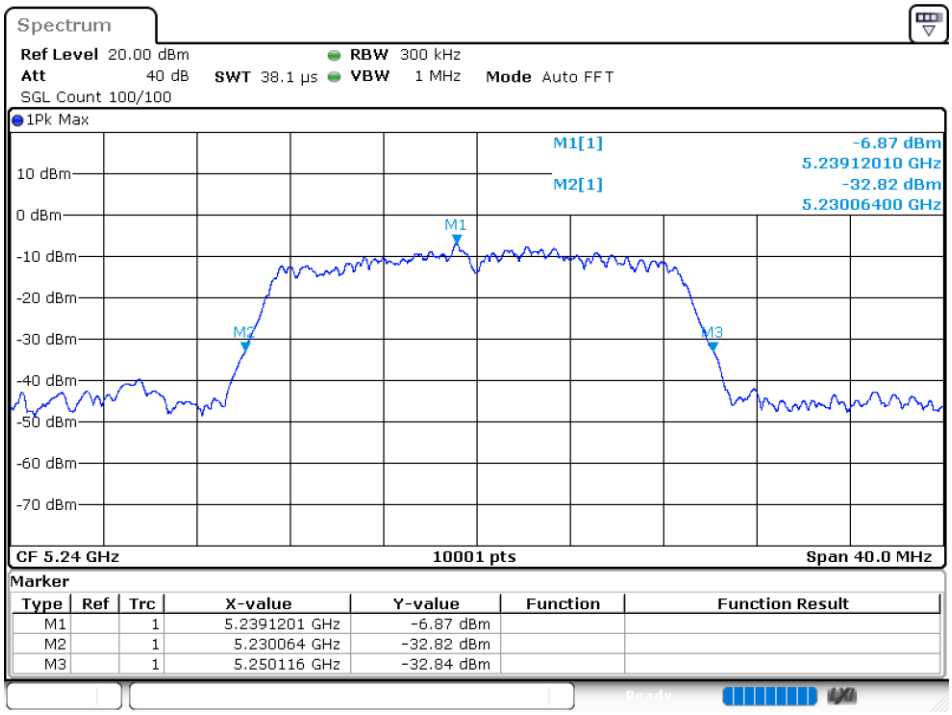
-26 dB BW NVNT 802.11ac20 5200MHz Ant1



OBW NVNT 802.11ac20 5240MHz Ant1



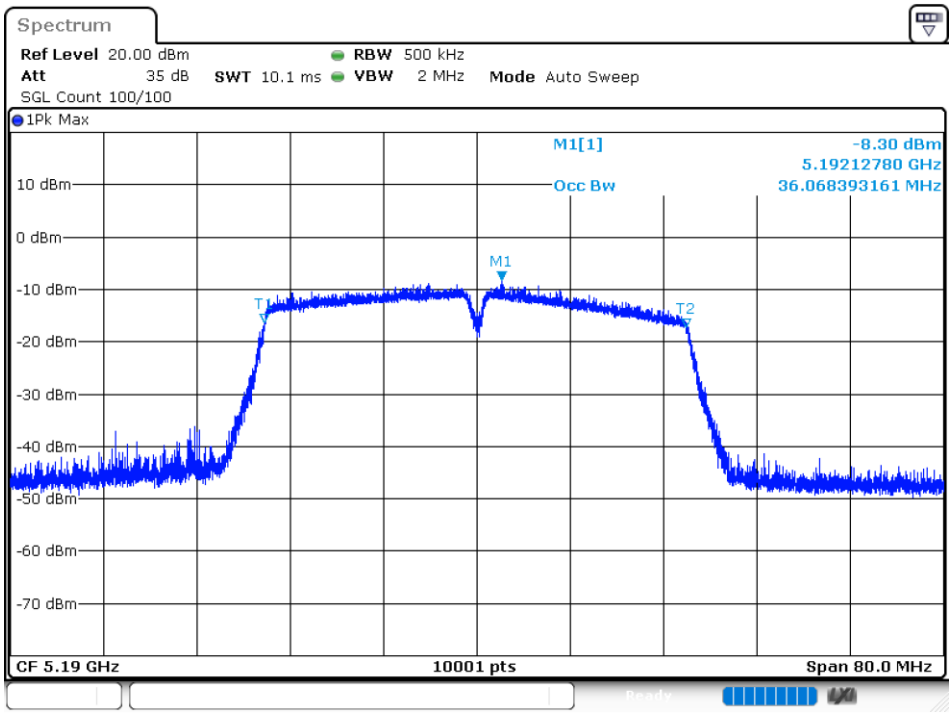
-26 dB BW NVNT 802.11ac20 5240MHz Ant1



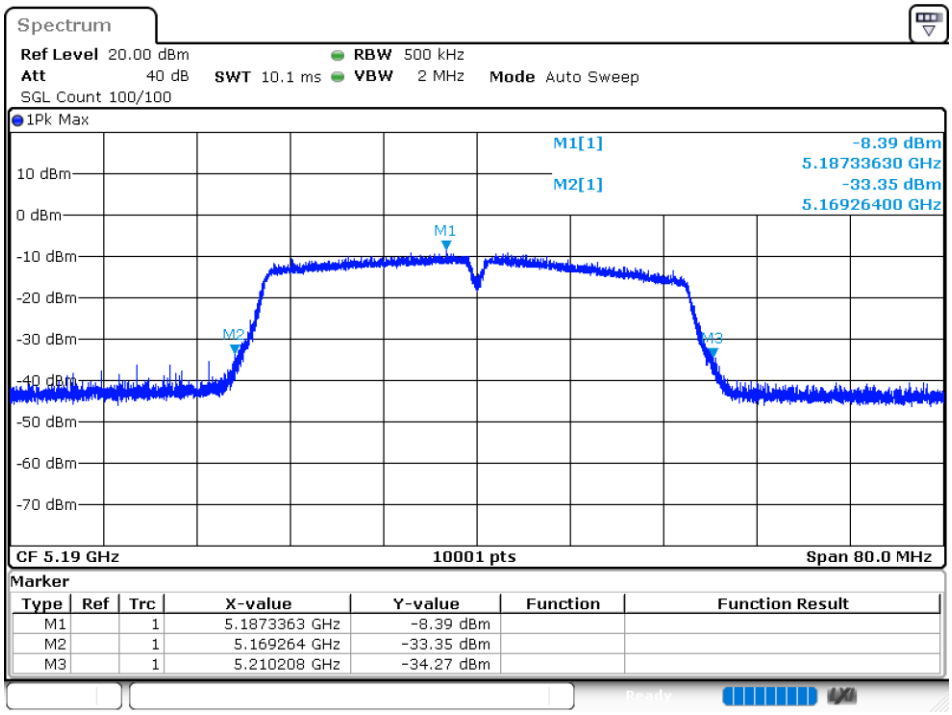
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2391201 GHz	-6.87 dBm		
M2		1	5.230064 GHz	-32.82 dBm		
M3		1	5.250116 GHz	-32.84 dBm		

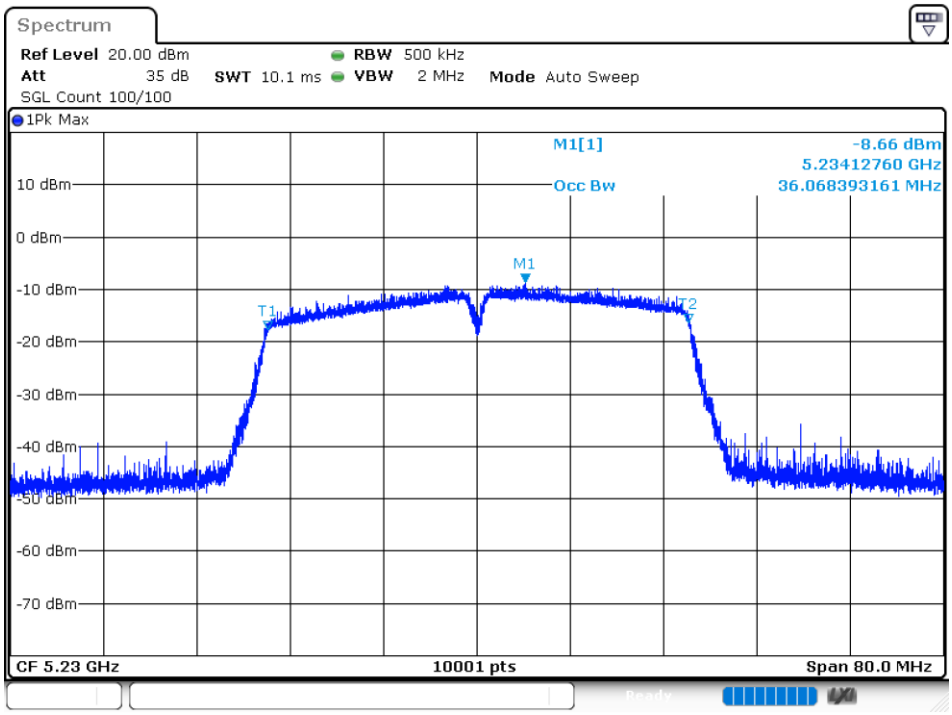
OBW NVNT 802.11ac40 5190MHz Ant1



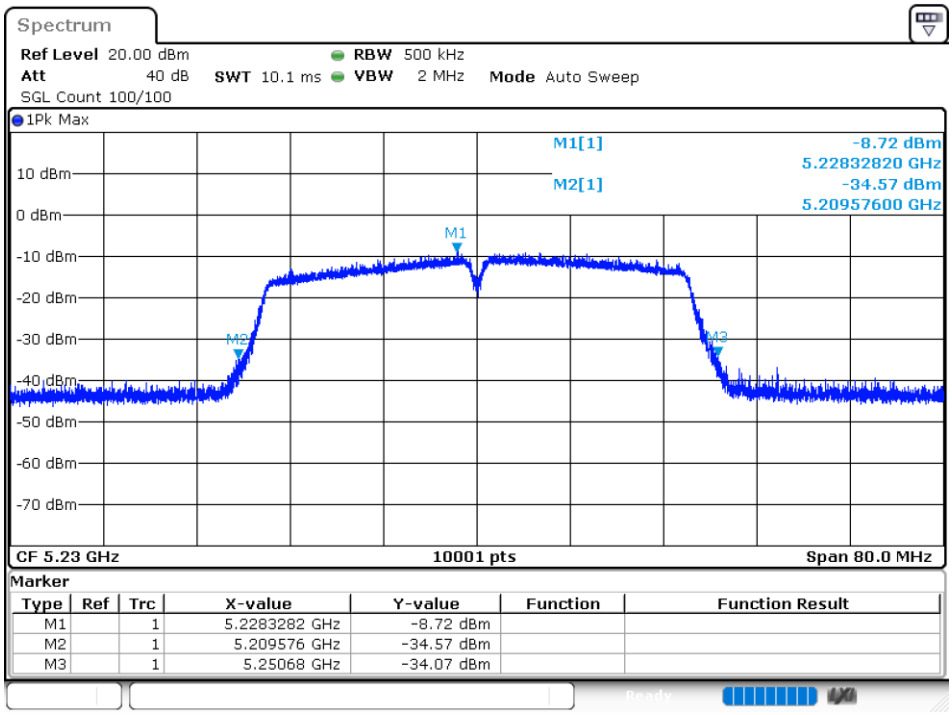
-26 dB BW NVNT 802.11ac40 5190MHz Ant1



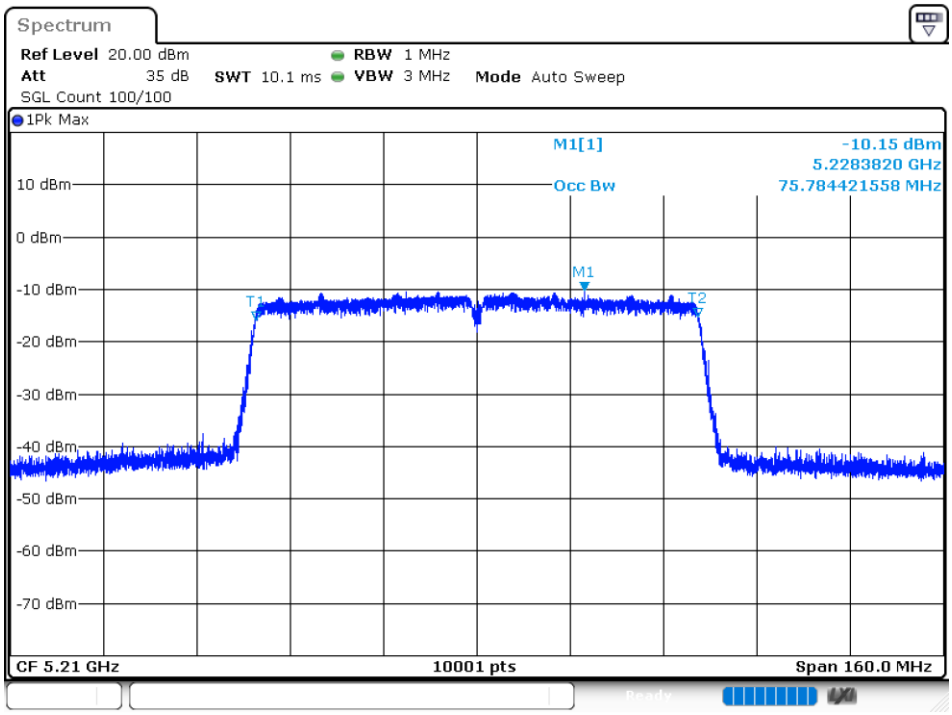
OBW NVNT 802.11ac40 5230MHz Ant1



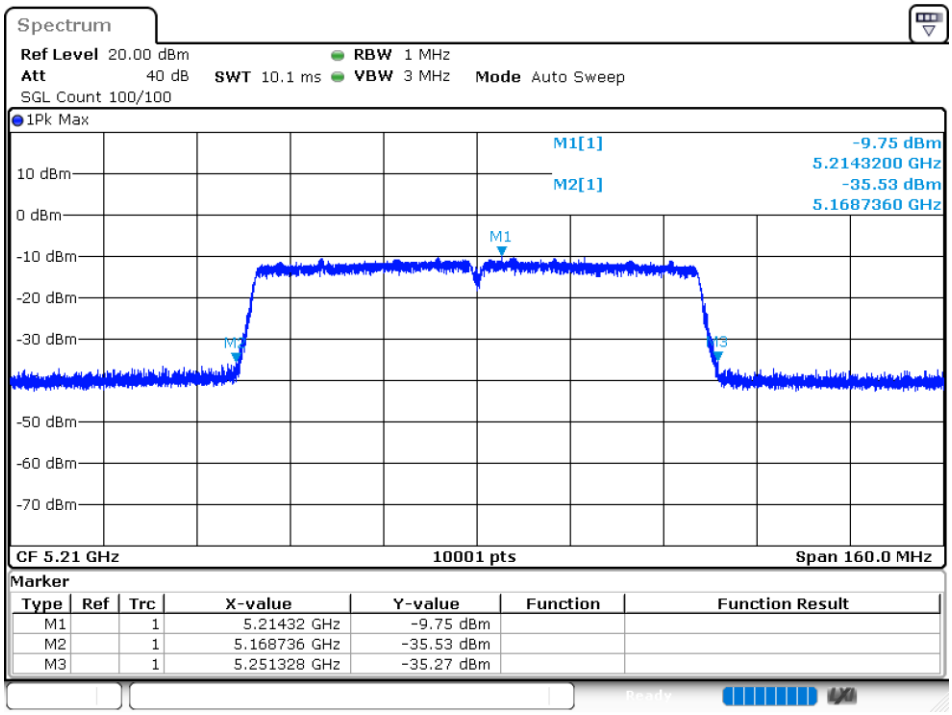
-26 dB BW NVNT 802.11ac40 5230MHz Ant1



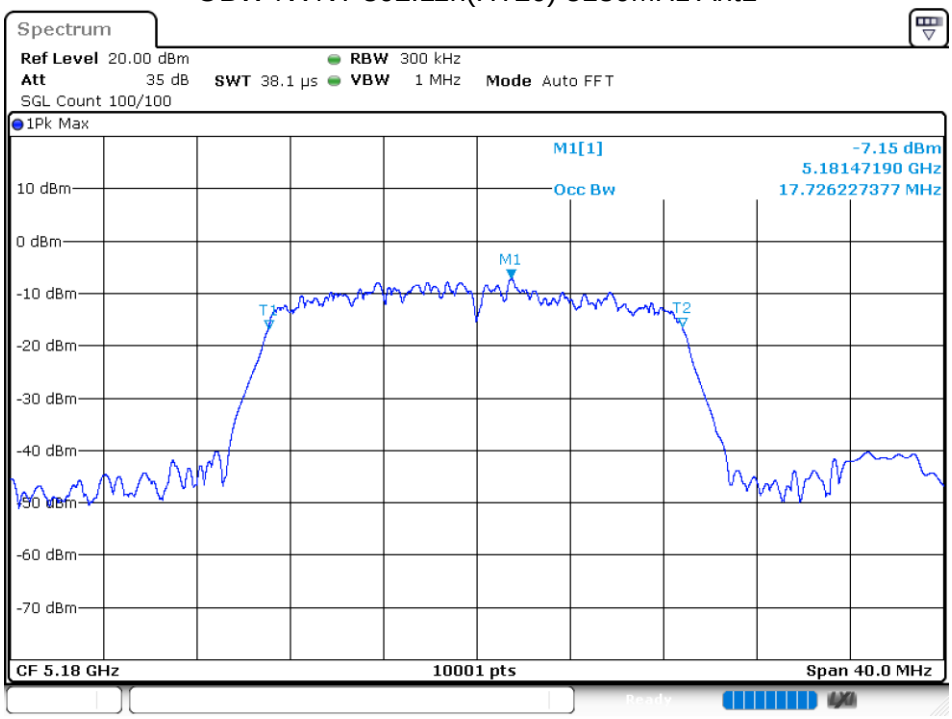
OBW NVNT 802.11ac80 5210MHz Ant1



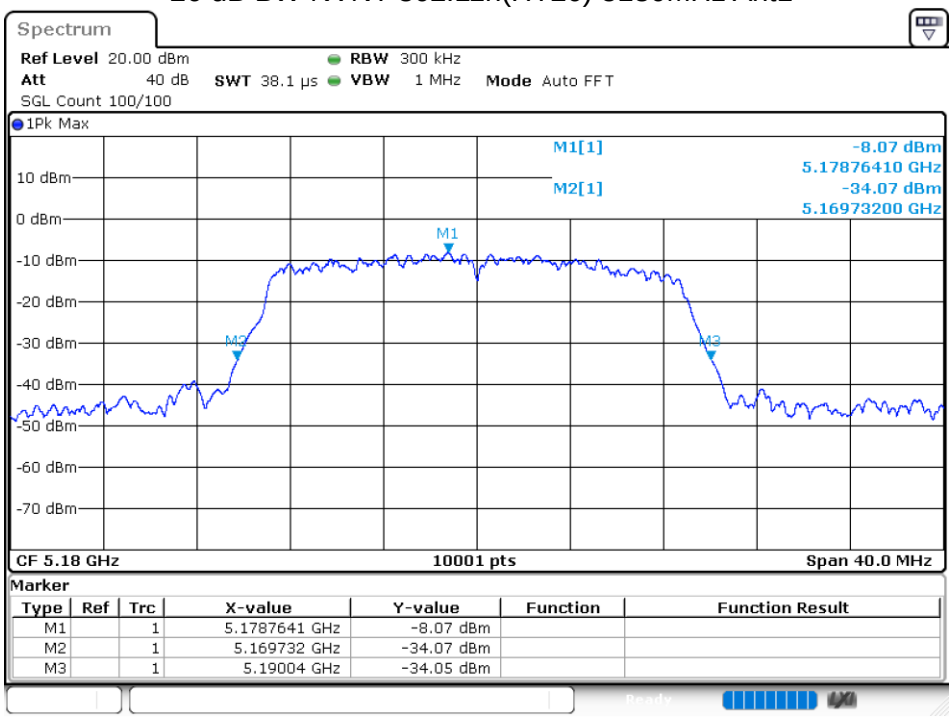
-26 dB BW NVNT 802.11ac80 5210MHz Ant1



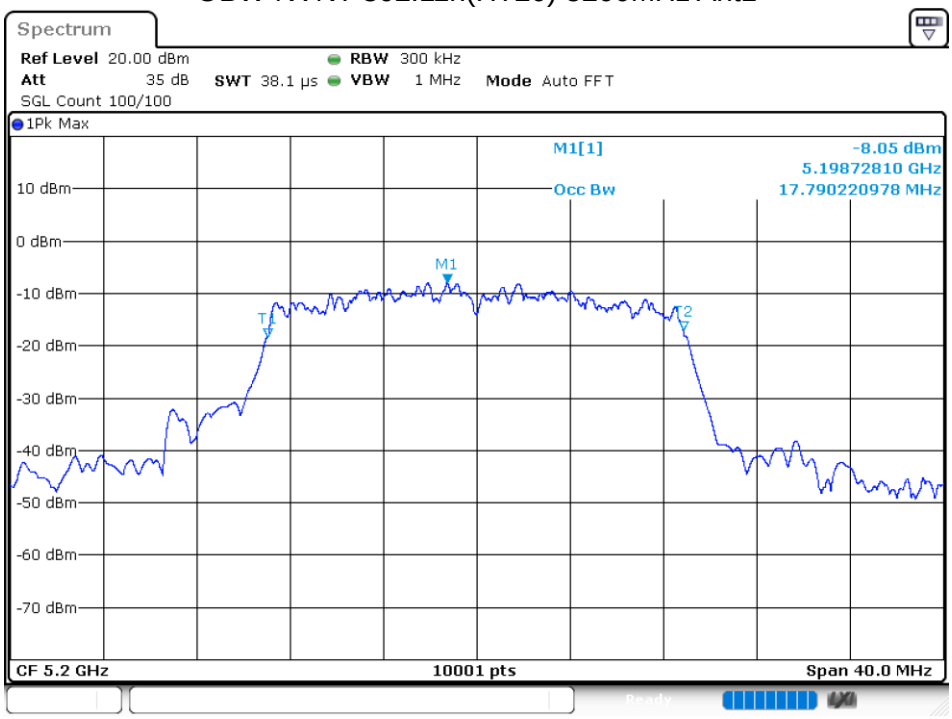
OBW NVNT 802.11n(HT20) 5180MHz Ant1



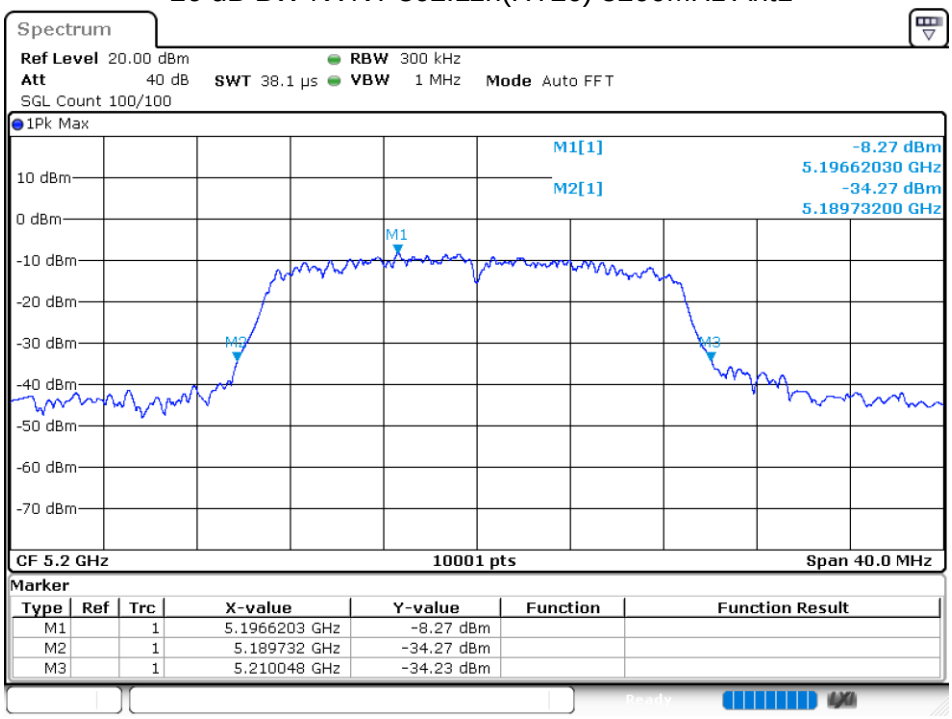
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant1



OBW NVNT 802.11n(HT20) 5200MHz Ant1



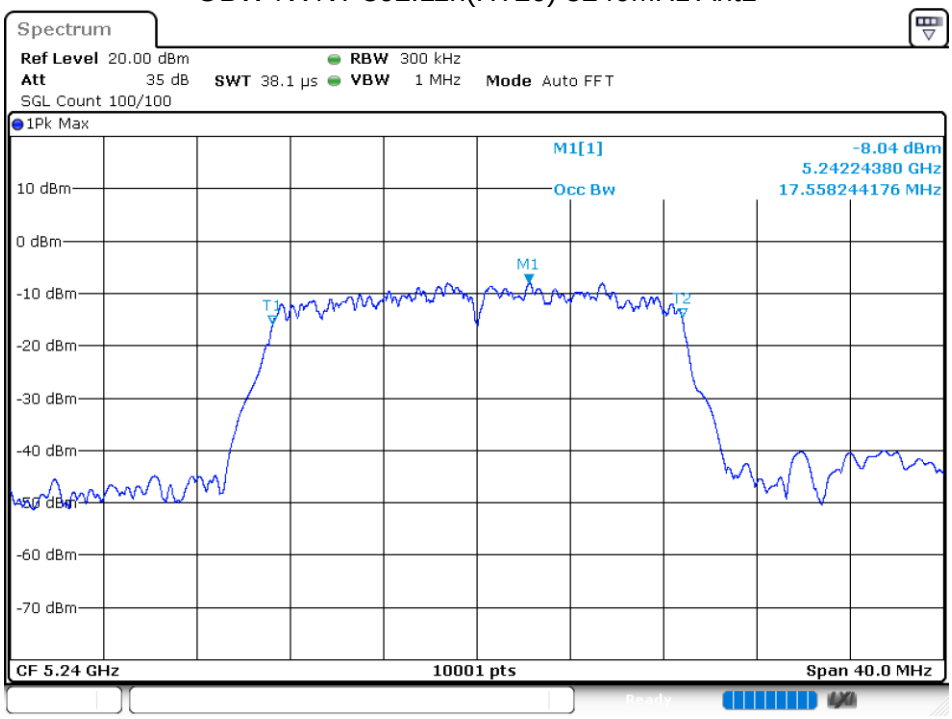
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant1



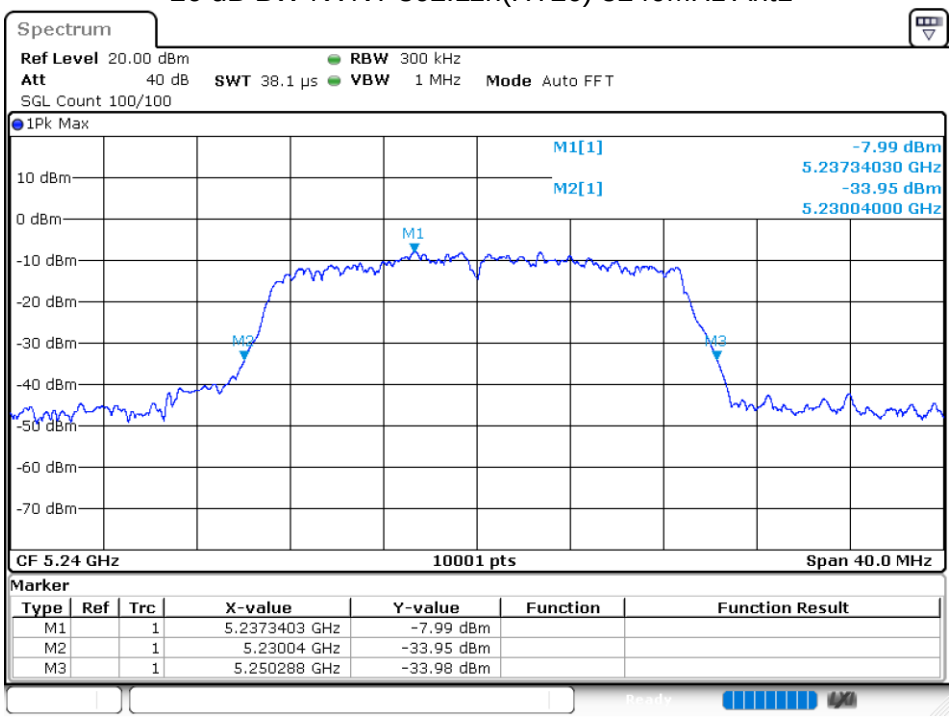
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1966203 GHz	-8.27 dBm		
M2		1	5.189732 GHz	-34.27 dBm		
M3		1	5.210048 GHz	-34.23 dBm		

OBW NVNT 802.11n(HT20) 5240MHz Ant1



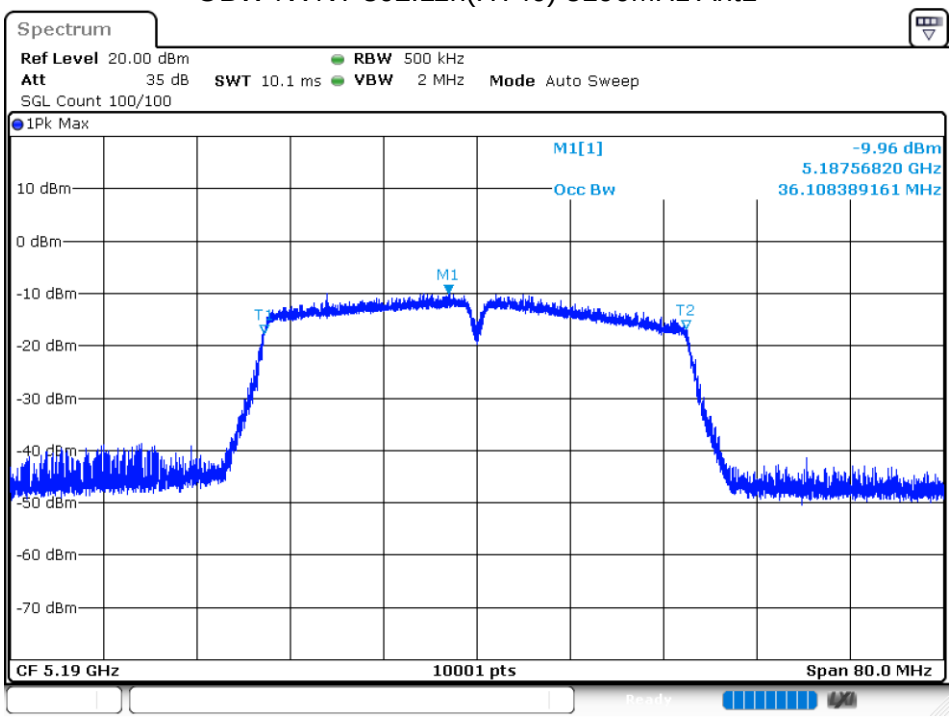
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant1



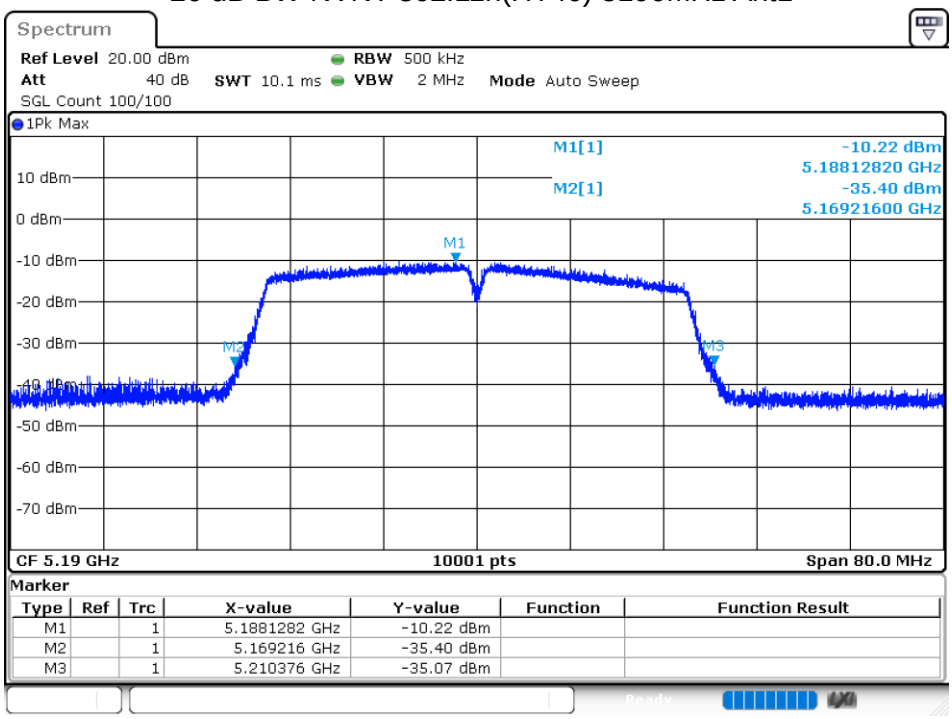
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2373403 GHz	-7.99 dBm		
M2		1	5.23004 GHz	-33.95 dBm		
M3		1	5.250288 GHz	-33.98 dBm		

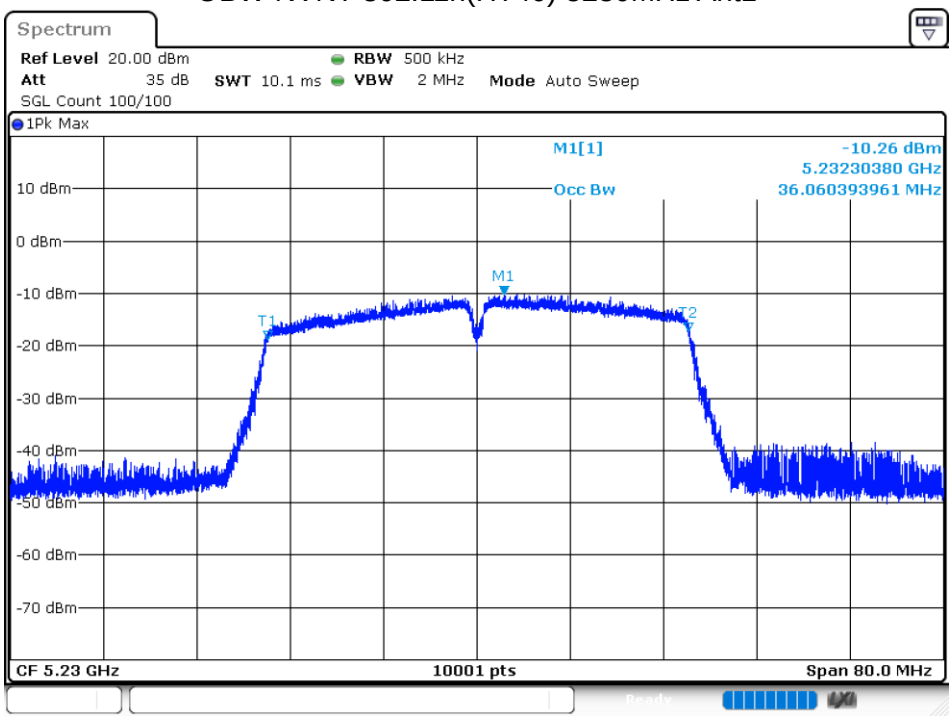
OBW NVNT 802.11n(HT40) 5190MHz Ant1



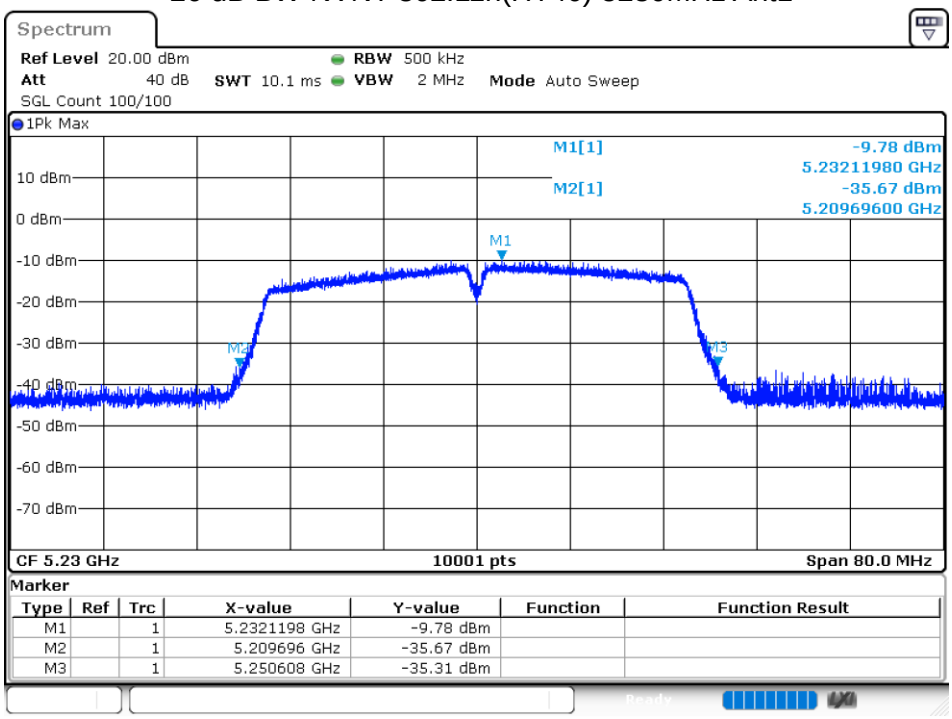
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant1



OBW NVNT 802.11n(HT40) 5230MHz Ant1



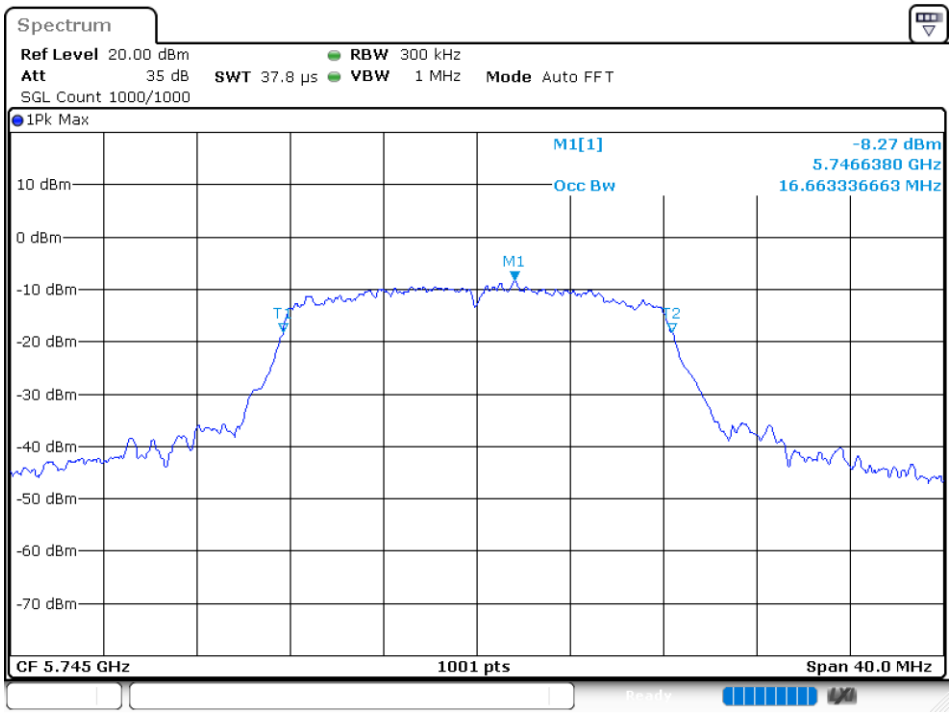
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant1



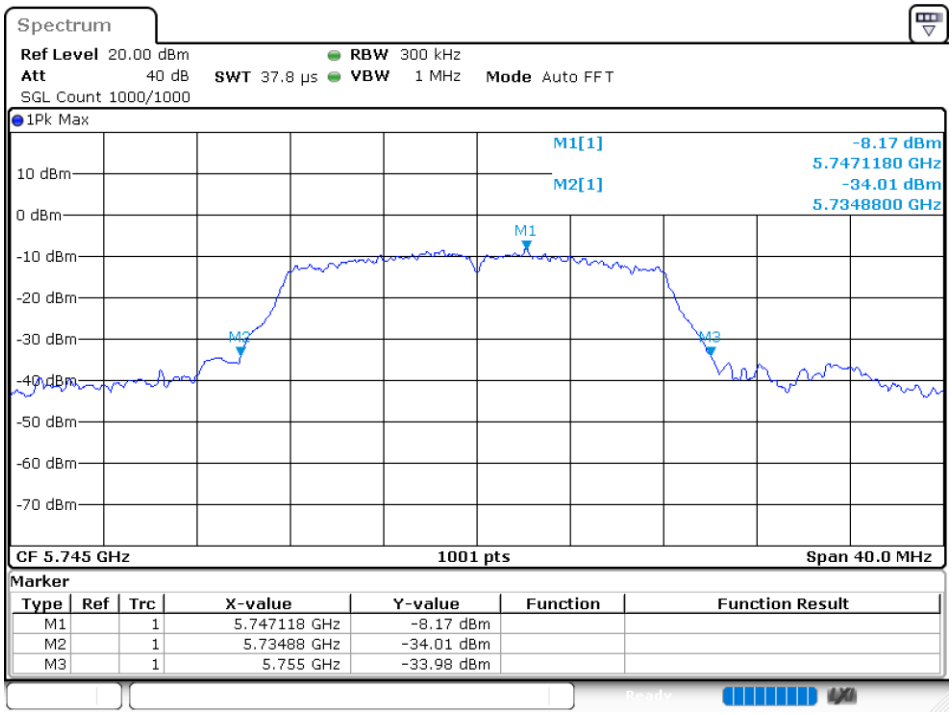
5.8G:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.6633	20.12	Pass
NVNT	802.11a	5785	Ant 1	16.5834	20	Pass
NVNT	802.11a	5825	Ant 1	16.5435	20.04	Pass
NVNT	802.11ac20	5745	Ant 1	17.6623	20.56	Pass
NVNT	802.11ac20	5785	Ant 1	17.6623	20.4	Pass
NVNT	802.11ac20	5825	Ant 1	17.7822	20.56	Pass
NVNT	802.11ac40	5755	Ant 1	36.2038	41.12	Pass
NVNT	802.11ac40	5795	Ant 1	36.1239	40.56	Pass
NVNT	802.11ac80	5775	Ant 1	75.1249	80.64	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.7822	20.88	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.7423	20.36	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.8621	20.84	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.3636	40.8	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.1239	40.88	Pass

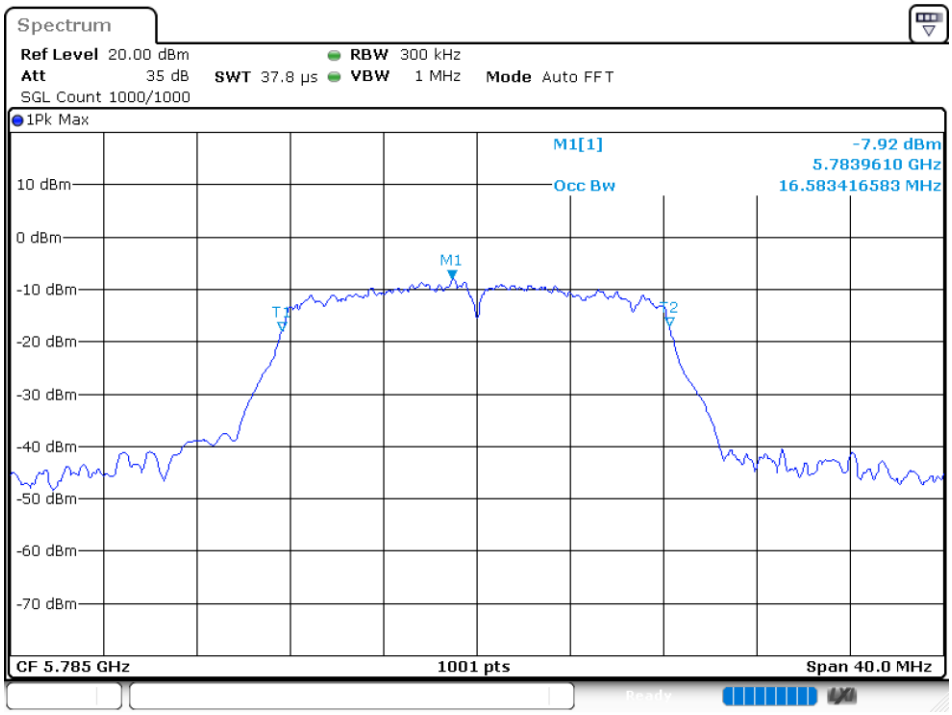
OBW NVNT 802.11a 5745MHz Ant1



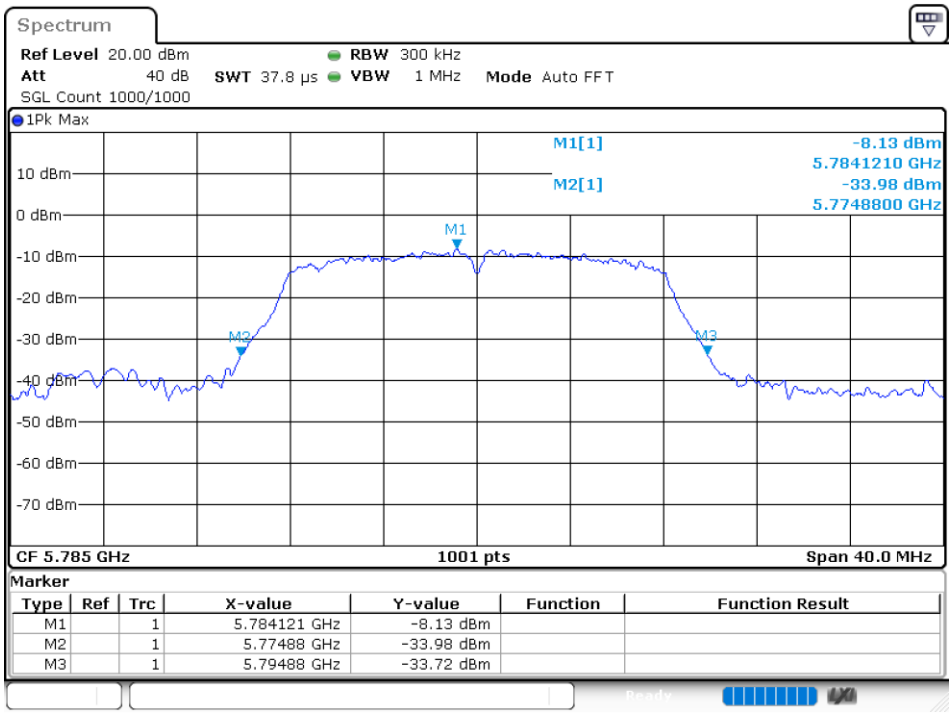
-26 dB BW NVNT 802.11a 5745MHz Ant1



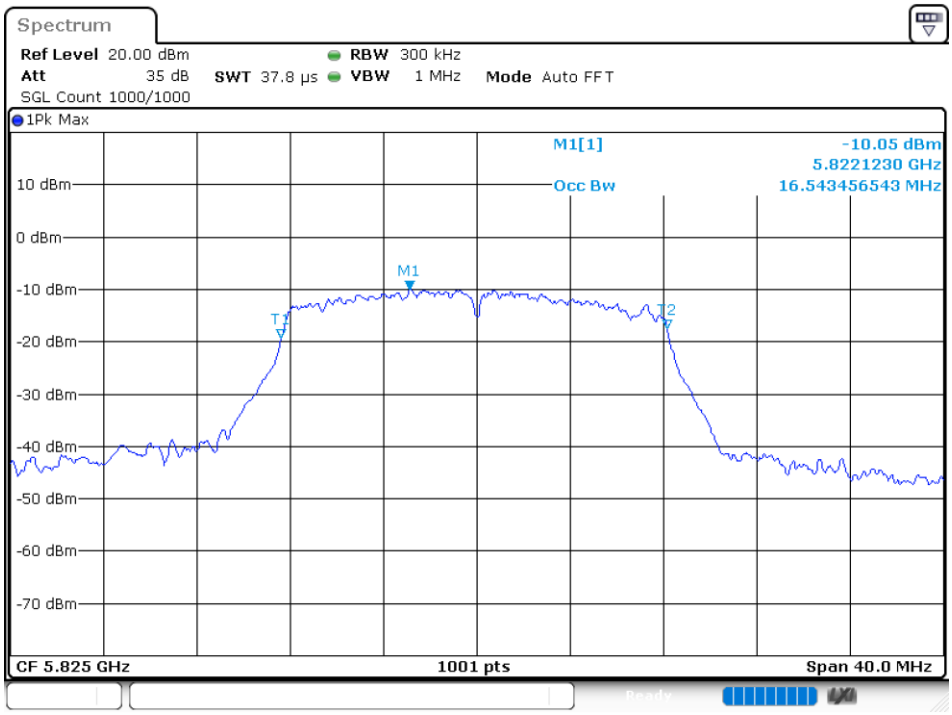
OBW NVNT 802.11a 5785MHz Ant1



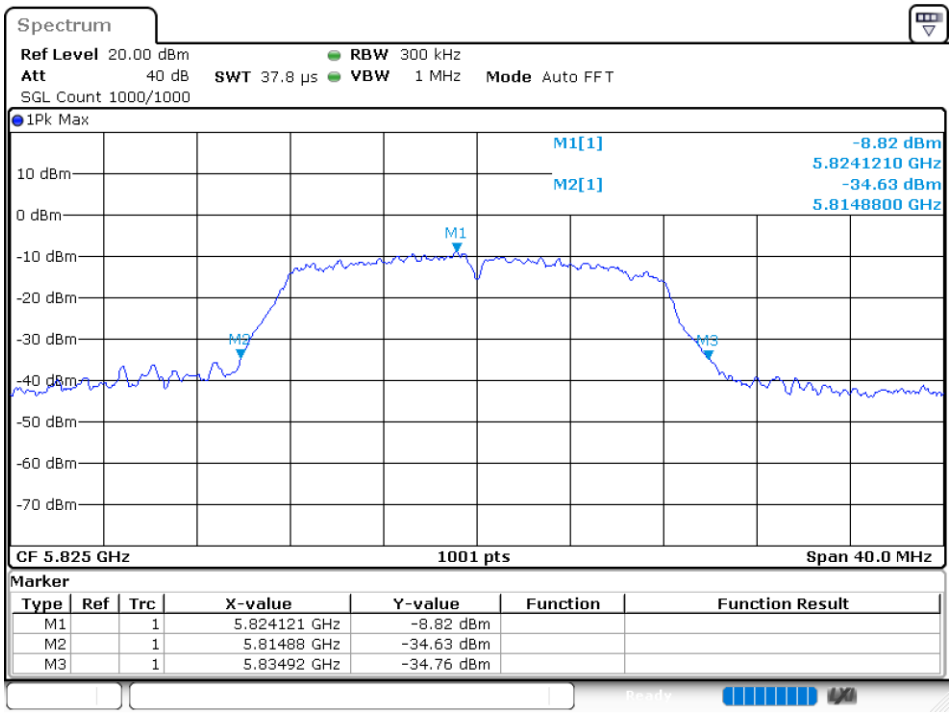
-26 dB BW NVNT 802.11a 5785MHz Ant1



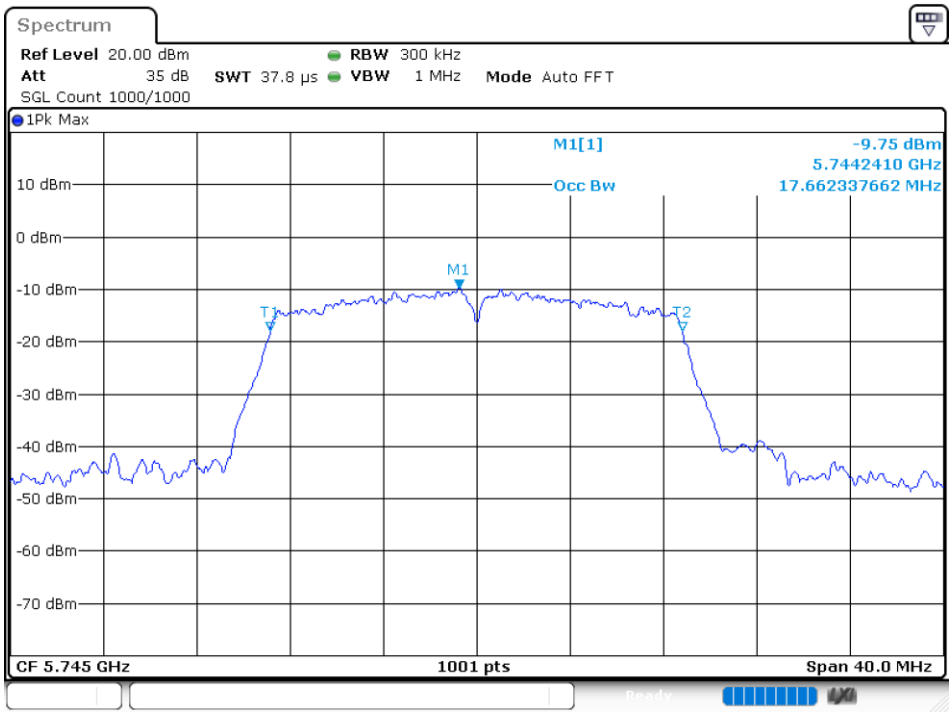
OBW NVNT 802.11a 5825MHz Ant1



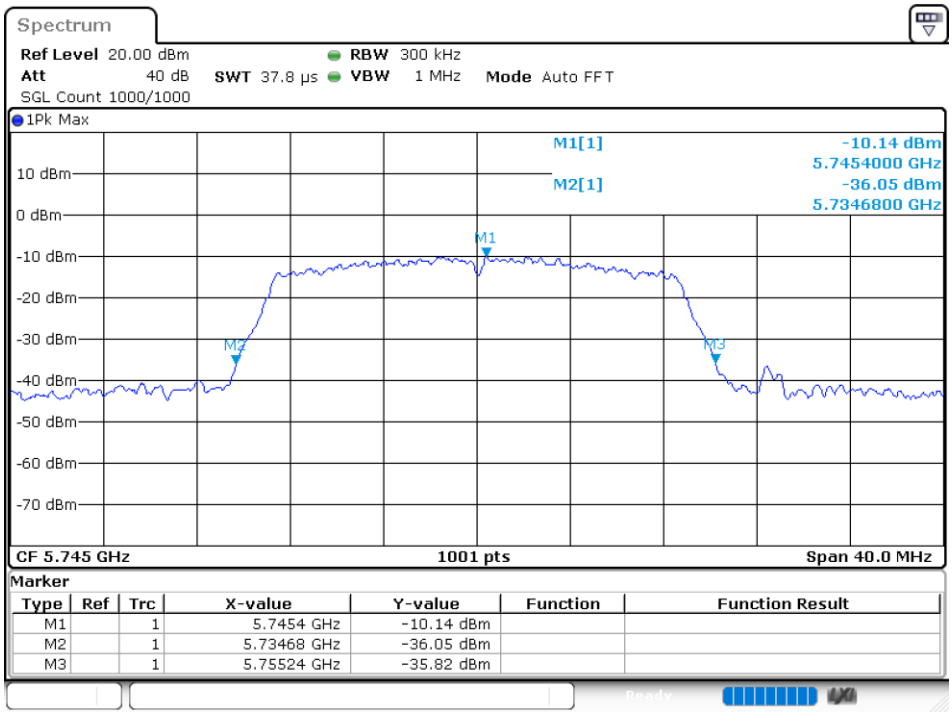
-26 dB BW NVNT 802.11a 5825MHz Ant1



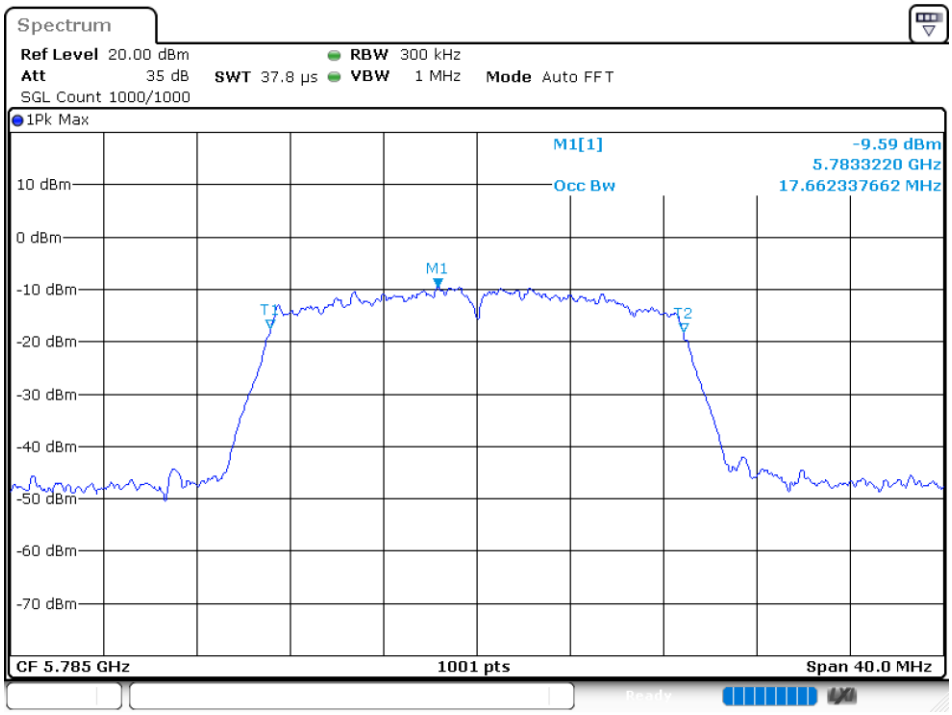
OBW NVNT 802.11ac20 5745MHz Ant1



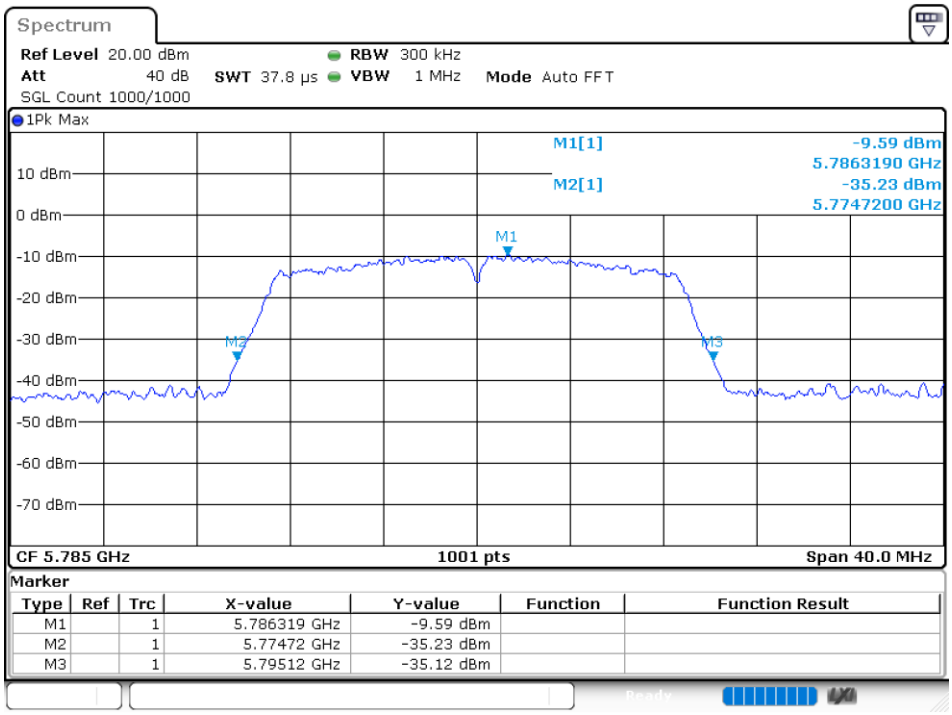
-26 dB BW NVNT 802.11ac20 5745MHz Ant1



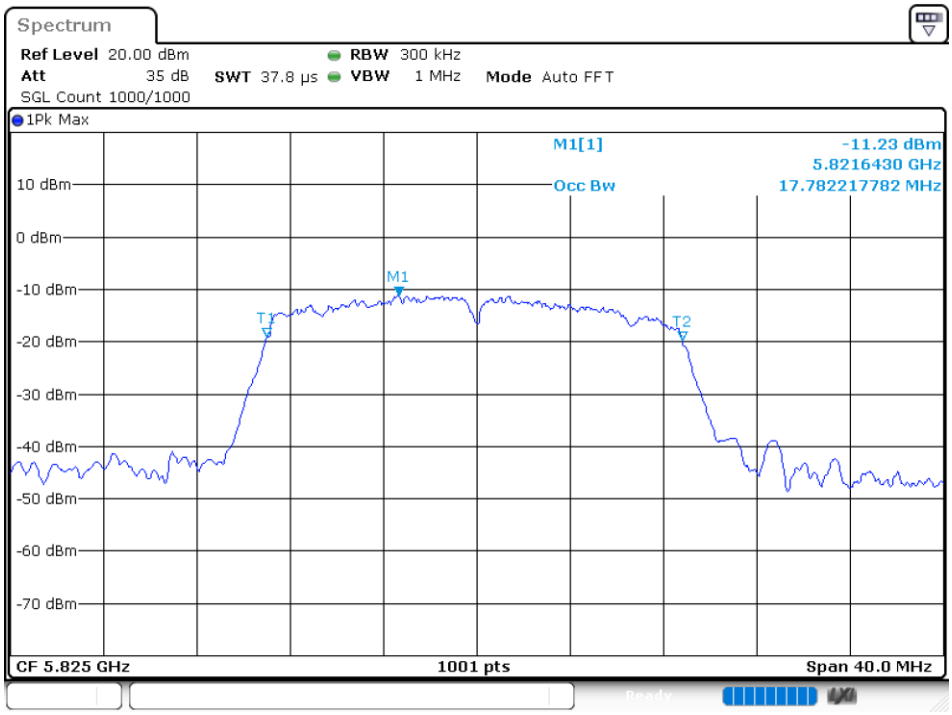
OBW NVNT 802.11ac20 5785MHz Ant1



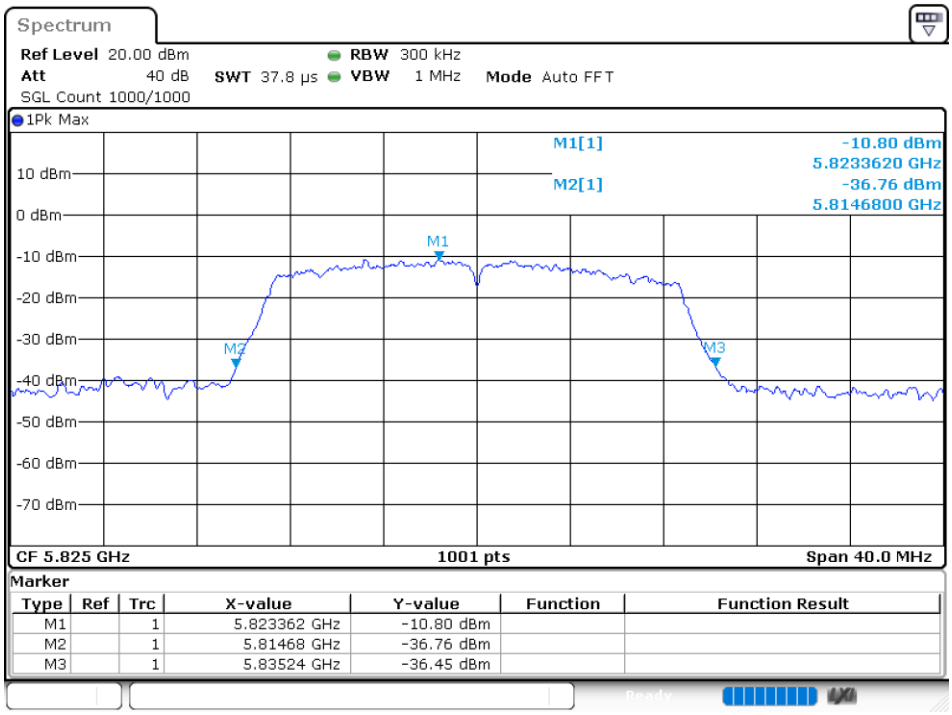
-26 dB BW NVNT 802.11ac20 5785MHz Ant1



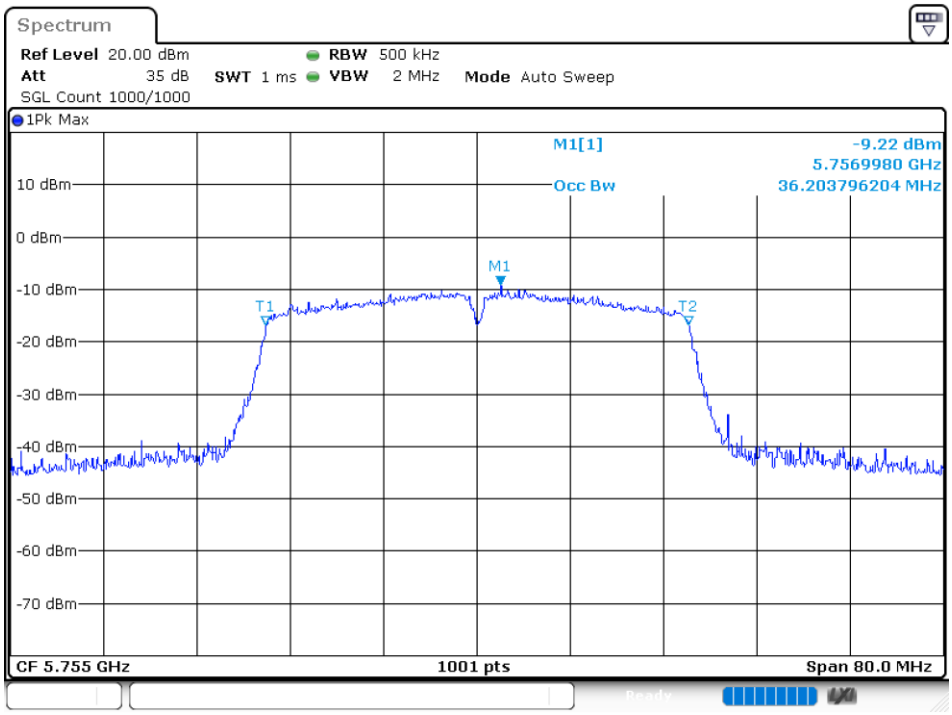
OBW NVNT 802.11ac20 5825MHz Ant1



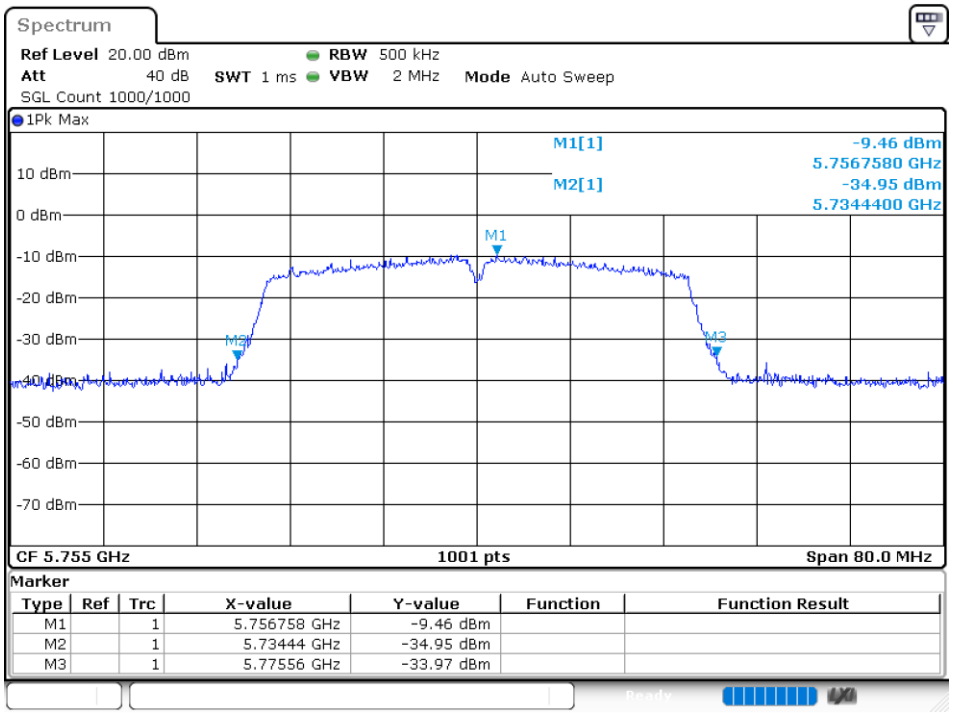
-26 dB BW NVNT 802.11ac20 5825MHz Ant1



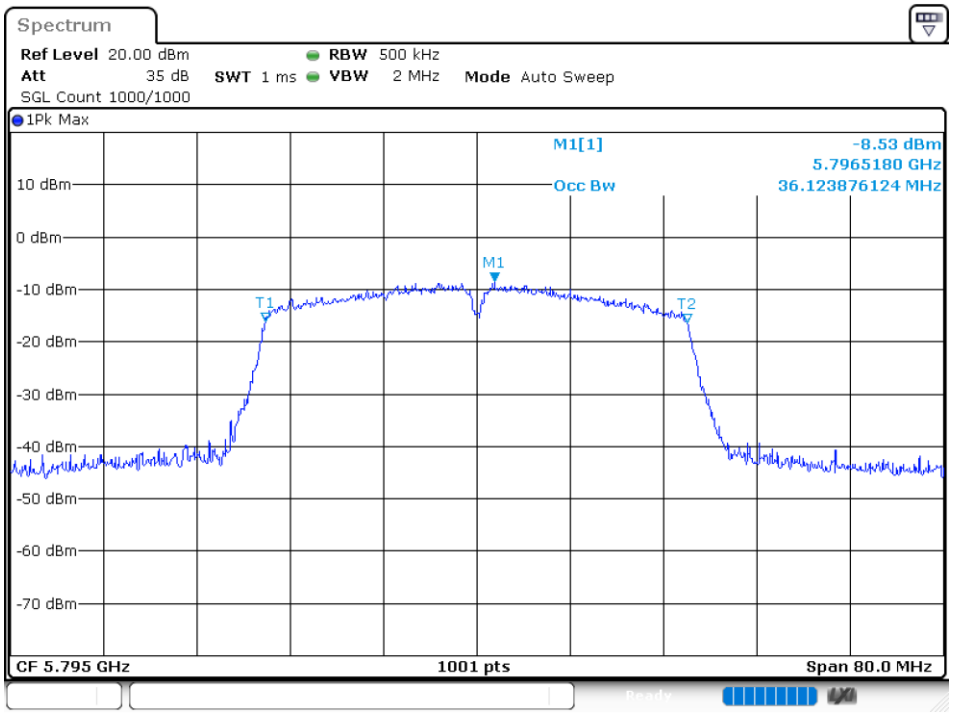
OBW NVNT 802.11ac40 5755MHz Ant1



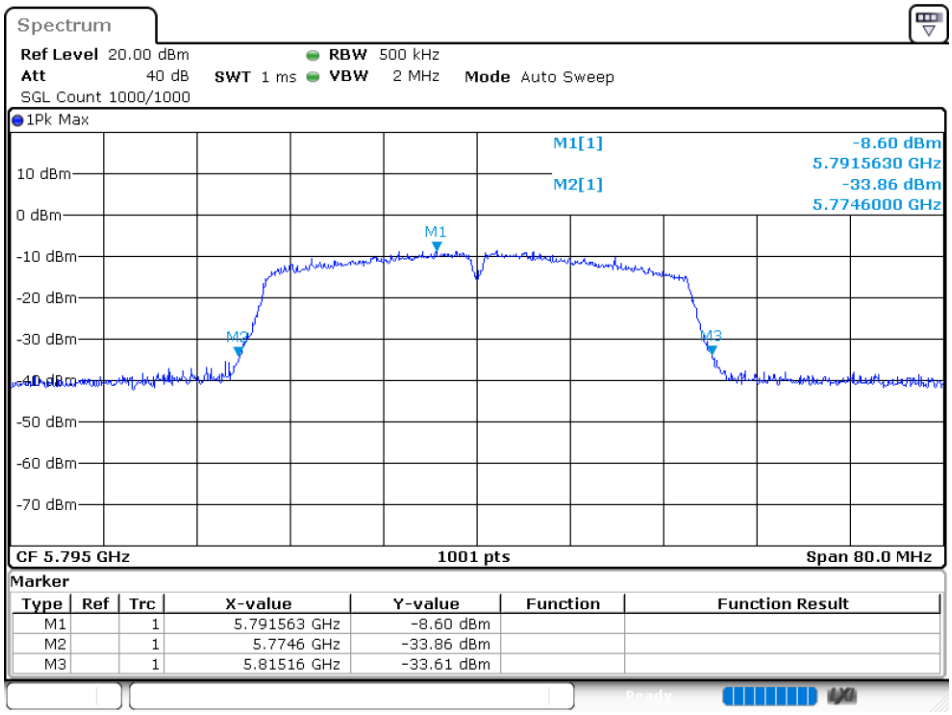
-26 dB BW NVNT 802.11ac40 5755MHz Ant1



OBW NVNT 802.11ac40 5795MHz Ant1



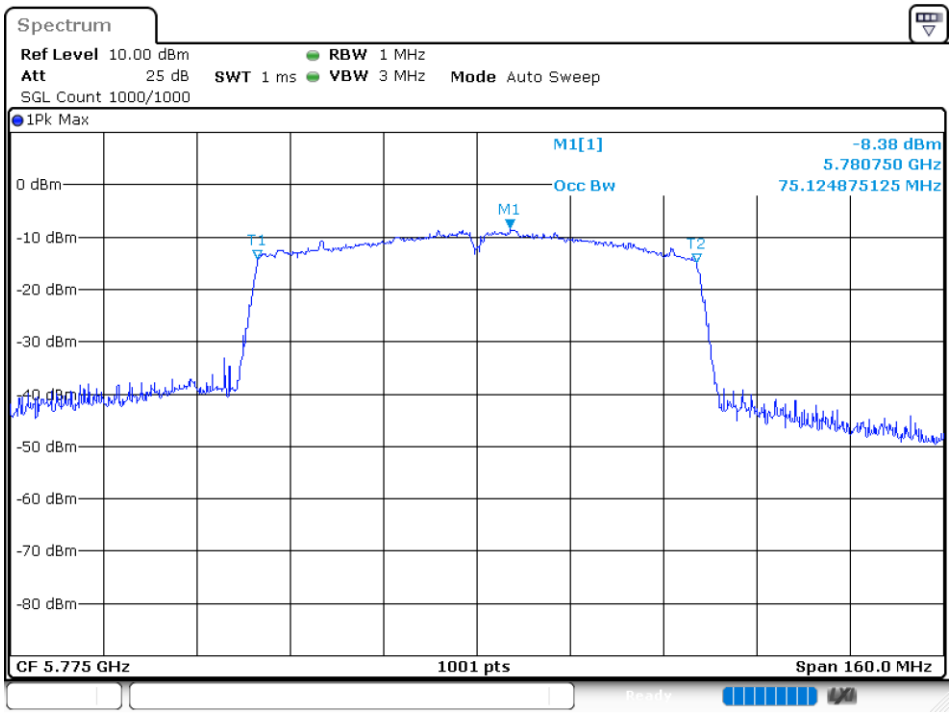
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



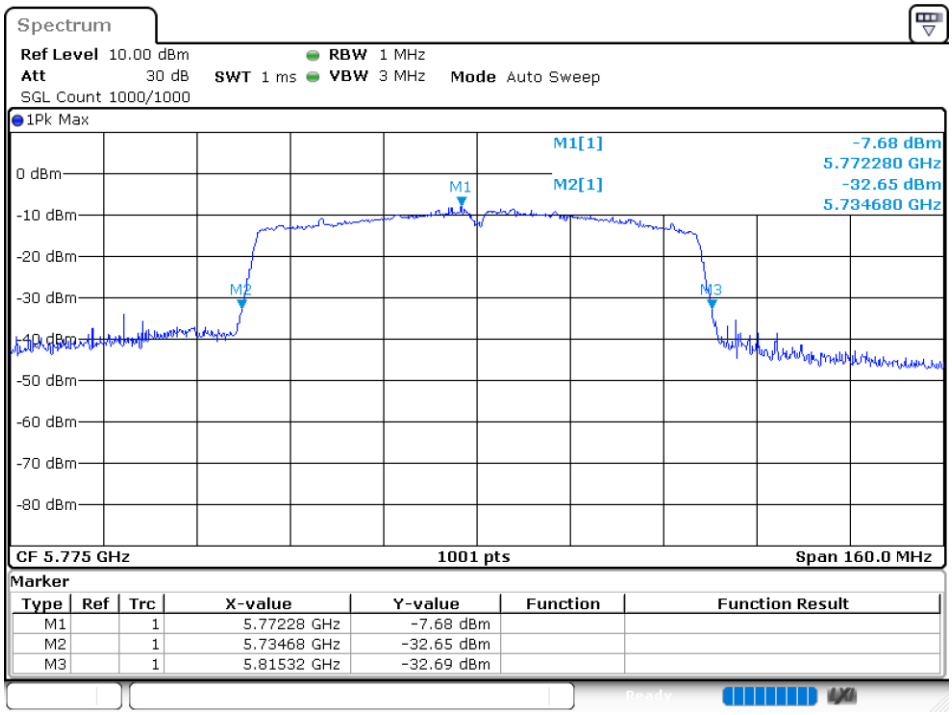
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.791563 GHz	-8.60 dBm		
M2		1	5.7746 GHz	-33.86 dBm		
M3		1	5.81516 GHz	-33.61 dBm		

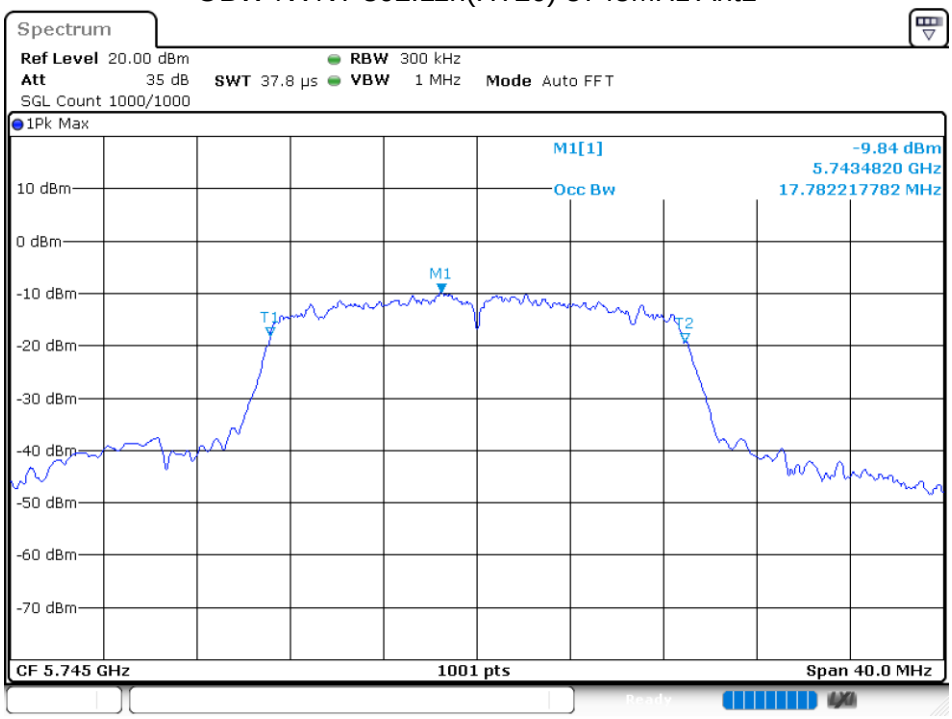
OBW NVNT 802.11ac80 5775MHz Ant1



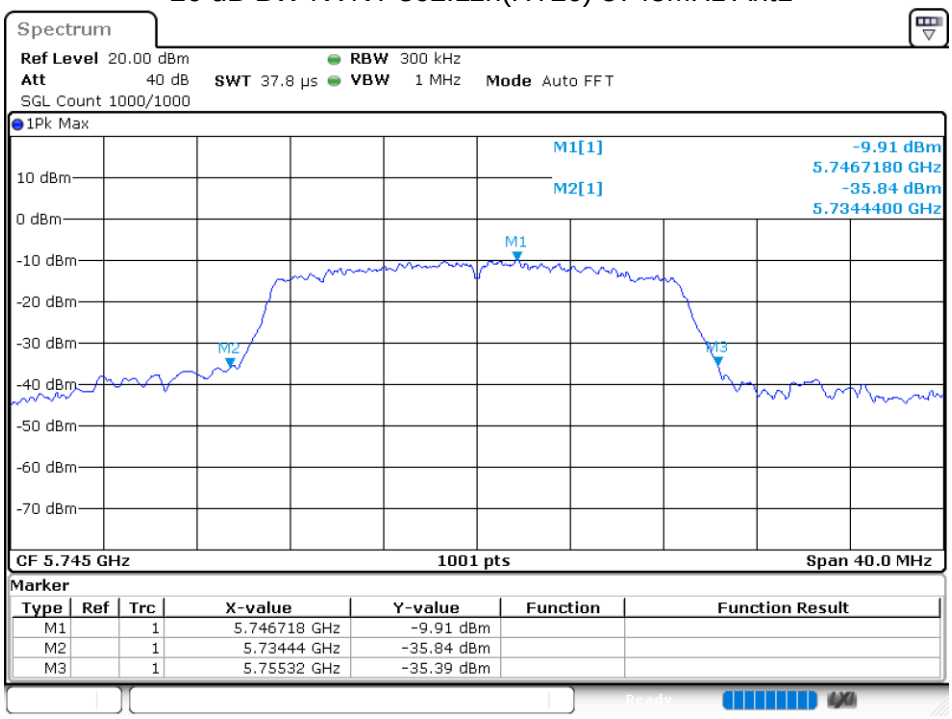
-26 dB BW NVNT 802.11ac80 5775MHz Ant1



OBW NVNT 802.11n(HT20) 5745MHz Ant1

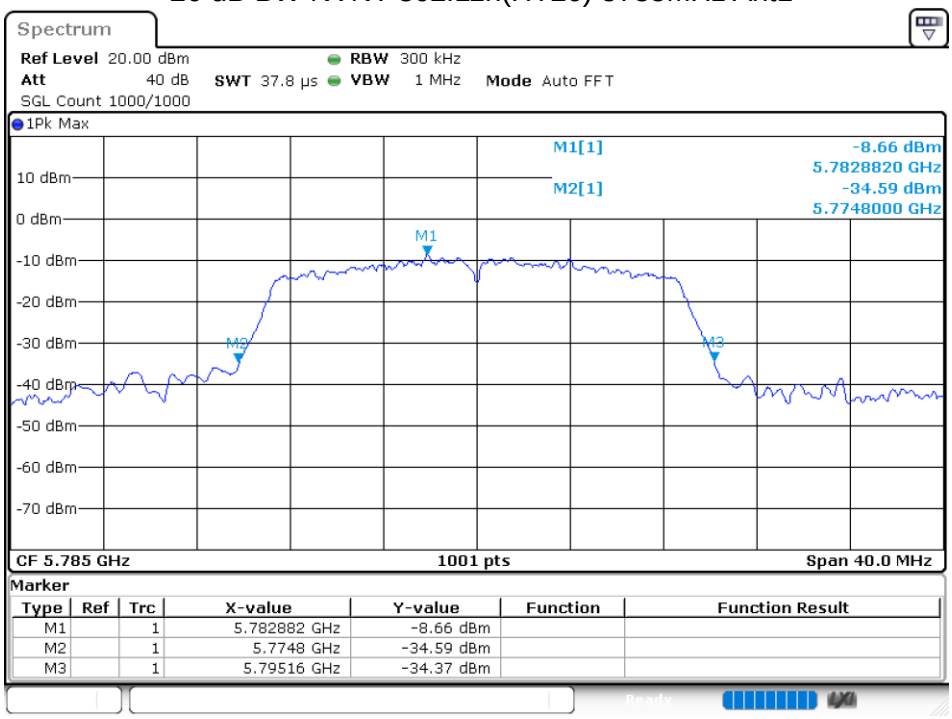


-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1

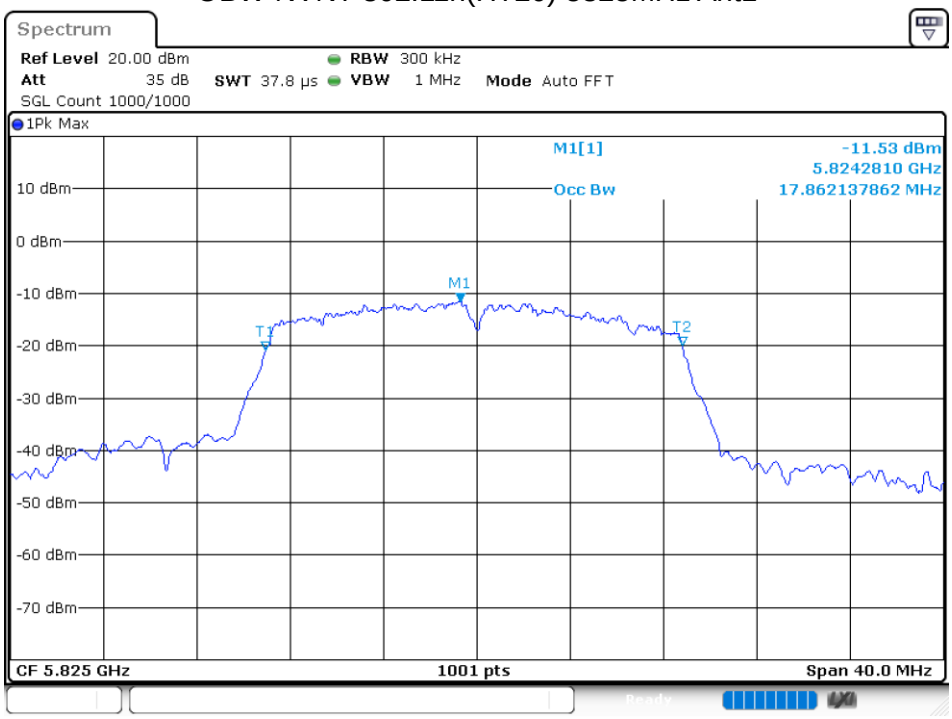


OBW NVNT 802.11n(HT20) 5785MHz Ant1

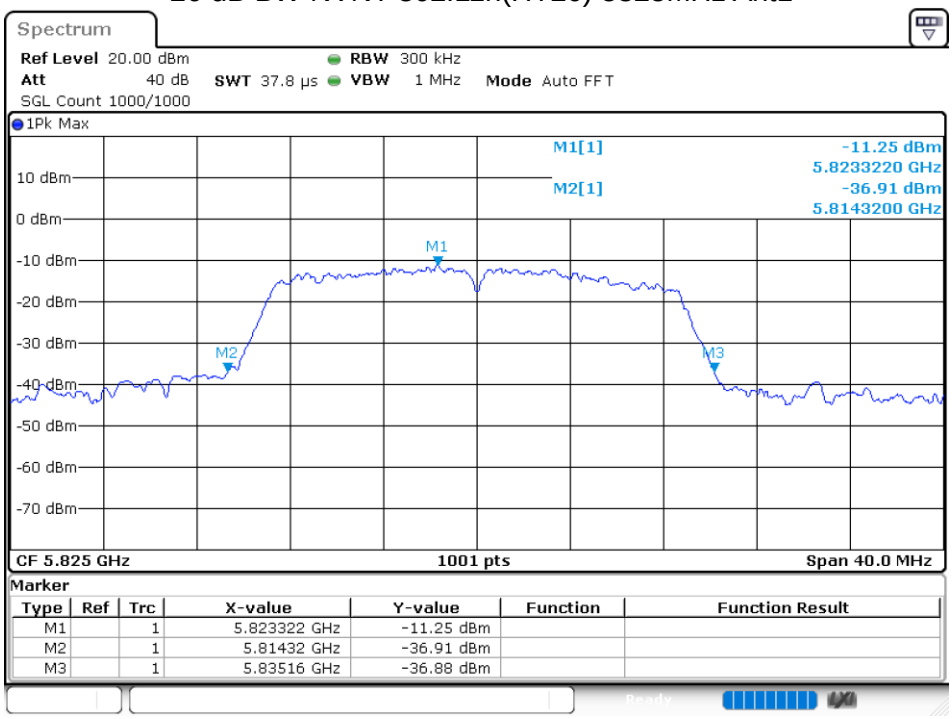
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



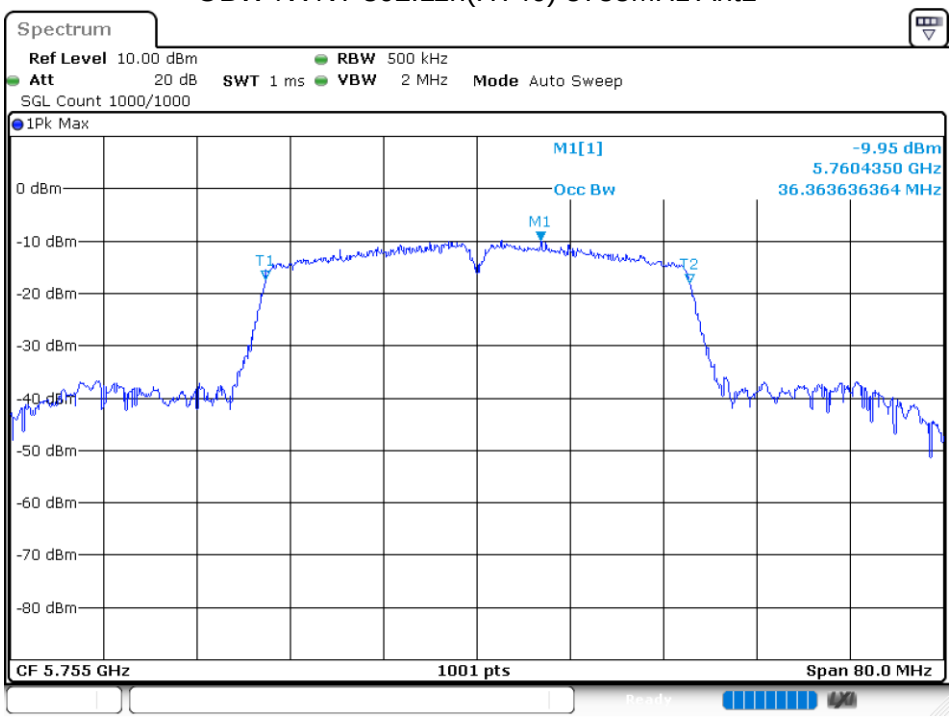
OBW NVNT 802.11n(HT20) 5825MHz Ant1



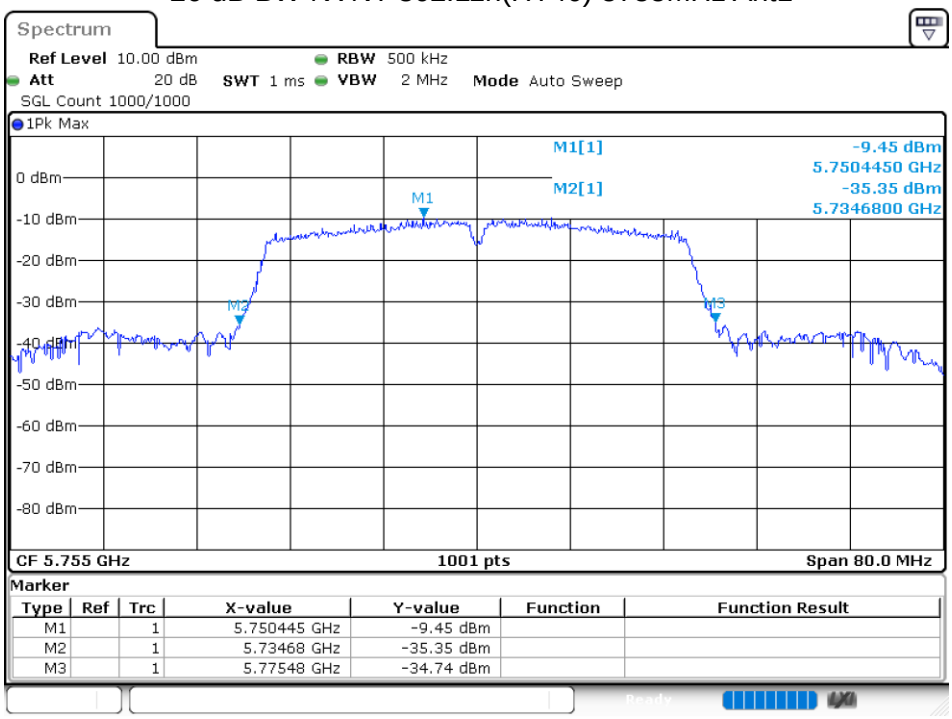
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



OBW NVNT 802.11n(HT40) 5755MHz Ant1



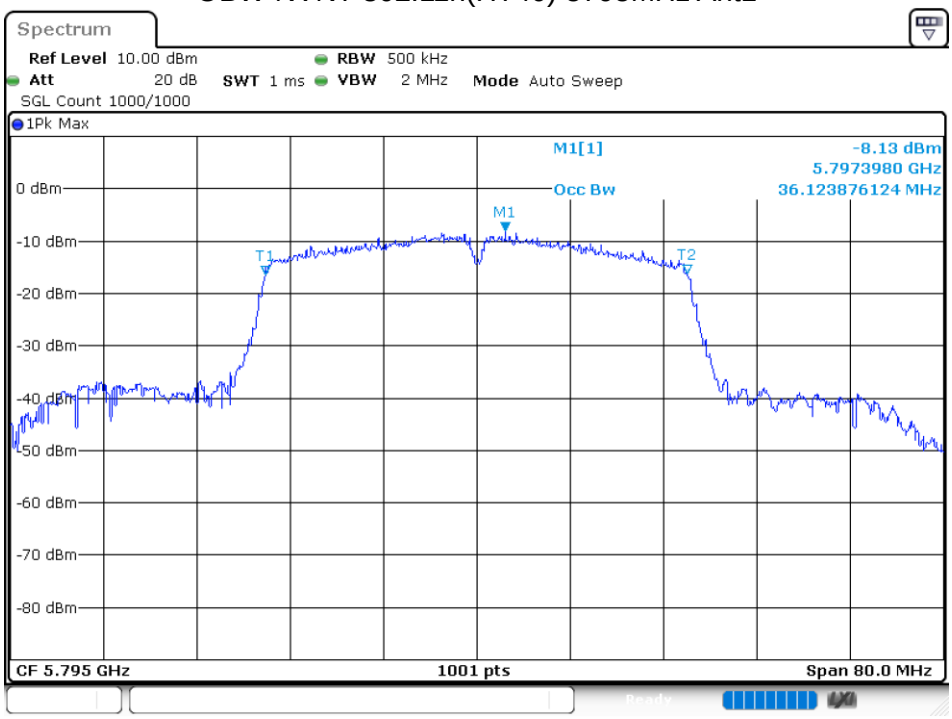
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1



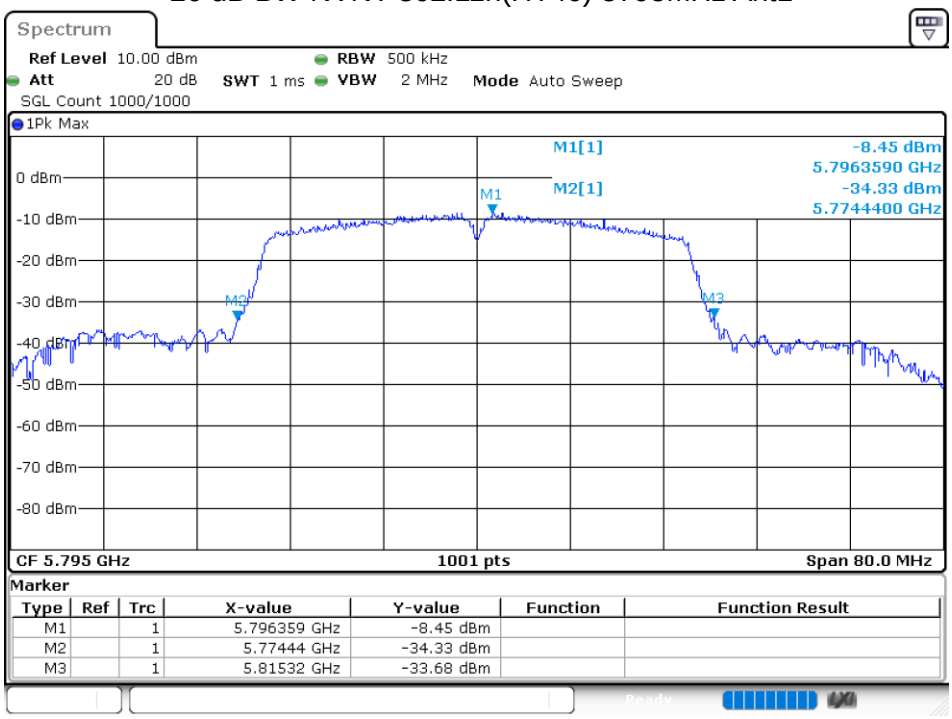
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.750445 GHz	-9.45 dBm		
M2		1	5.73468 GHz	-35.35 dBm		
M3		1	5.77548 GHz	-34.74 dBm		

OBW NVNT 802.11n(HT40) 5795MHz Ant1



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

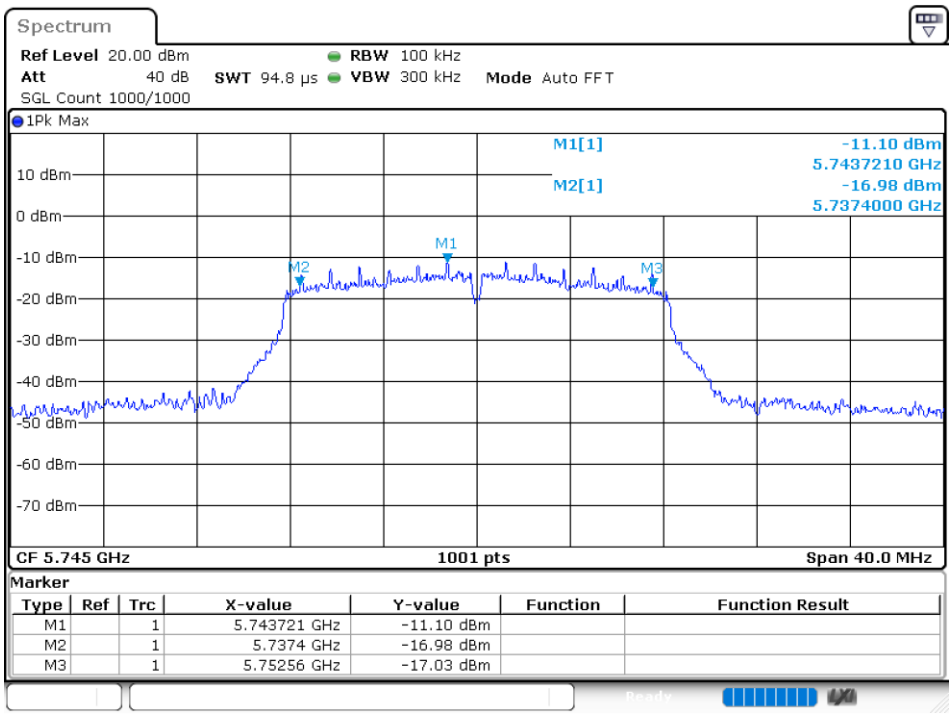


5.4 -6DB EMISSION BANDWIDTH

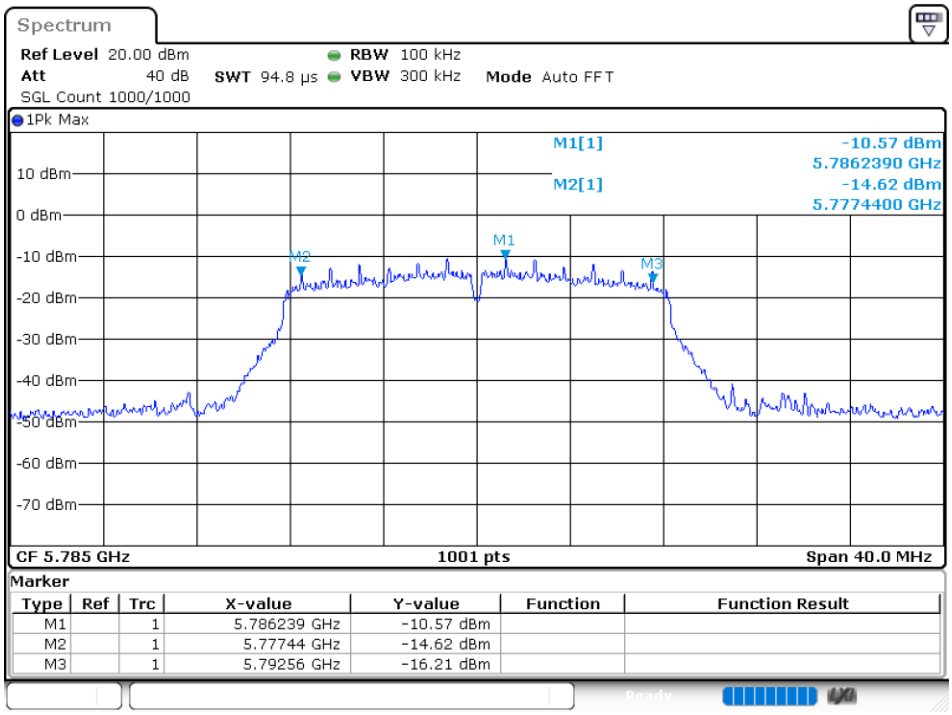
5.8G:

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	15.16	0.5	Pass
NVNT	802.11a	5785	Ant 1	15.12	0.5	Pass
NVNT	802.11a	5825	Ant 1	15.32	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	15.04	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	15.12	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	15.92	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	35.04	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	35.12	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.2	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	15.16	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	15.08	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	16.04	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	35.04	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	35.12	0.5	Pass

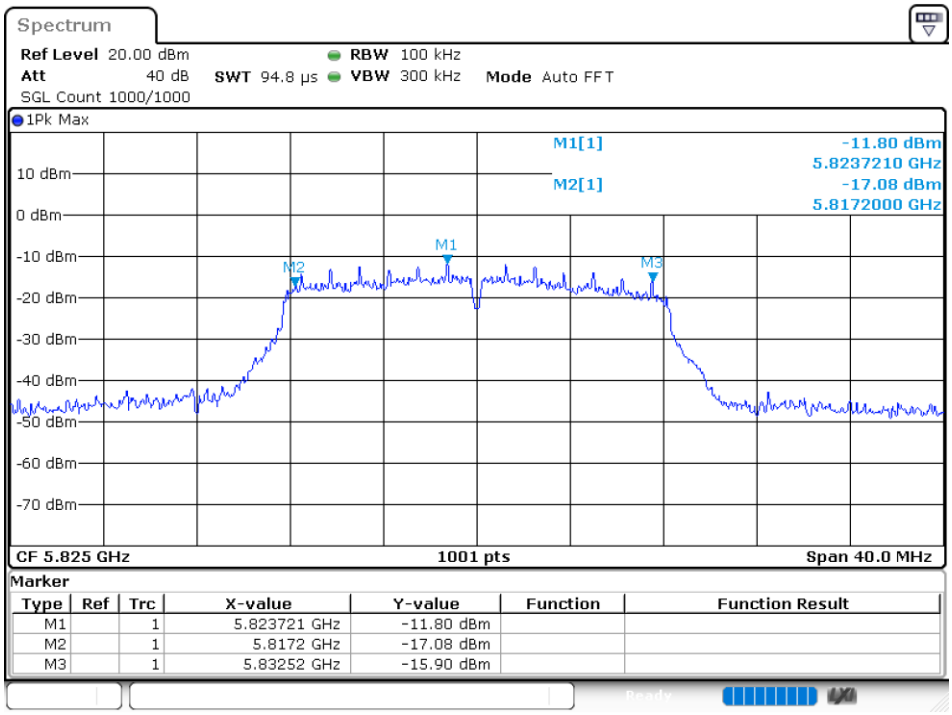
EBW NVNT 802.11a 5745MHz Ant1



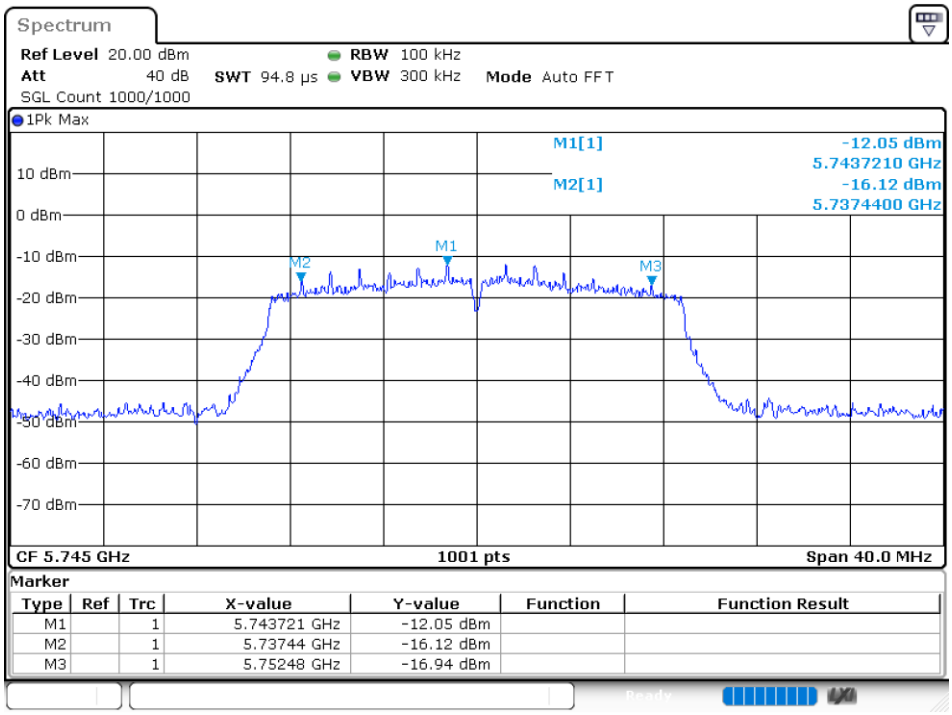
EBW NVNT 802.11a 5785MHz Ant1



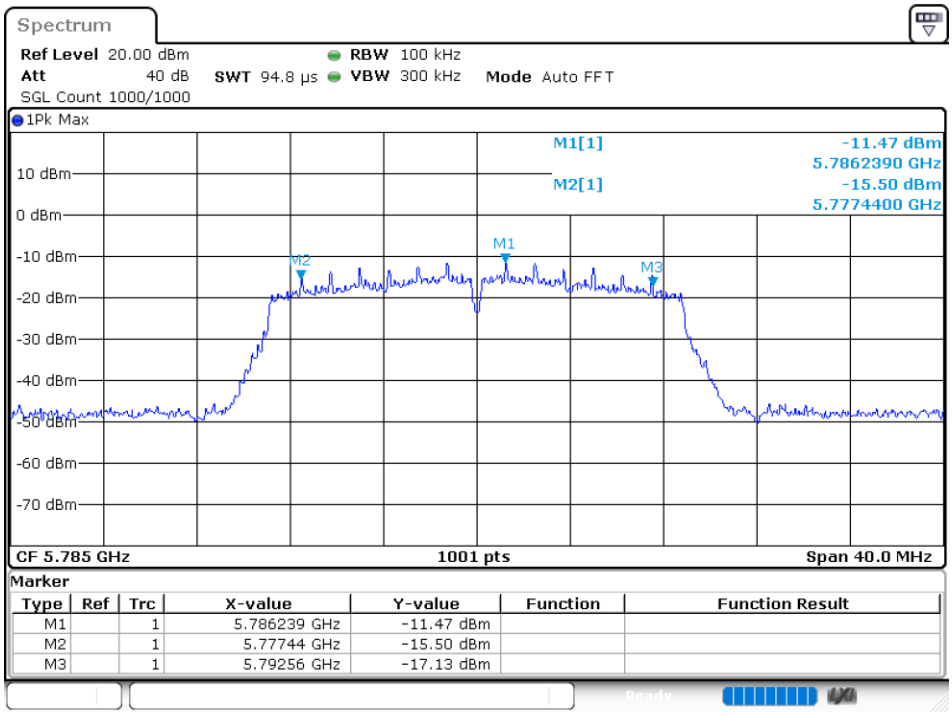
EBW NVNT 802.11a 5825MHz Ant1



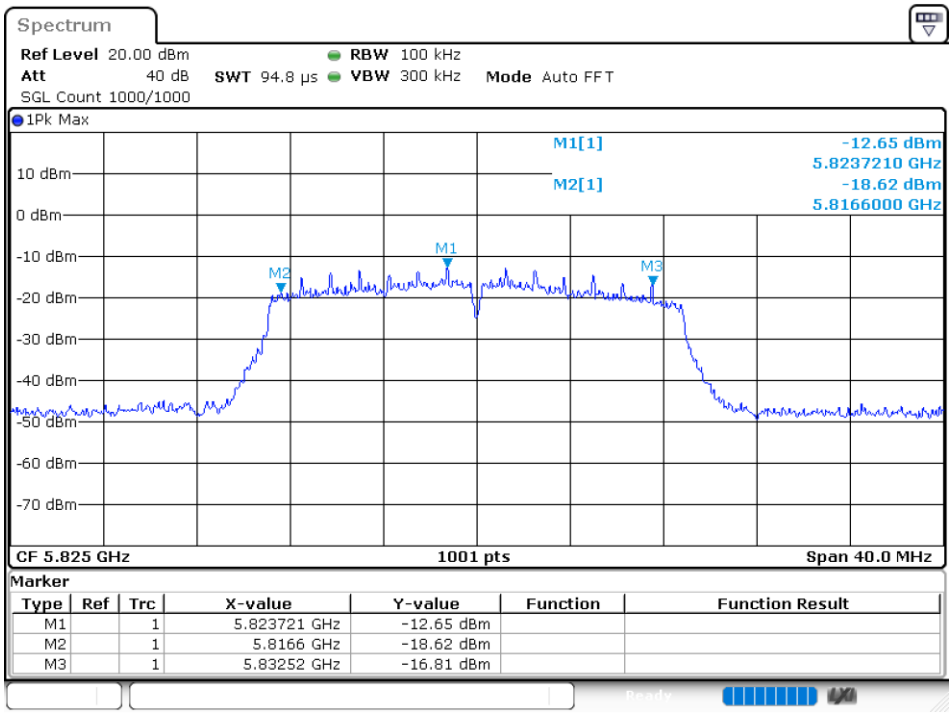
EBW NVNT 802.11ac20 5745MHz Ant1



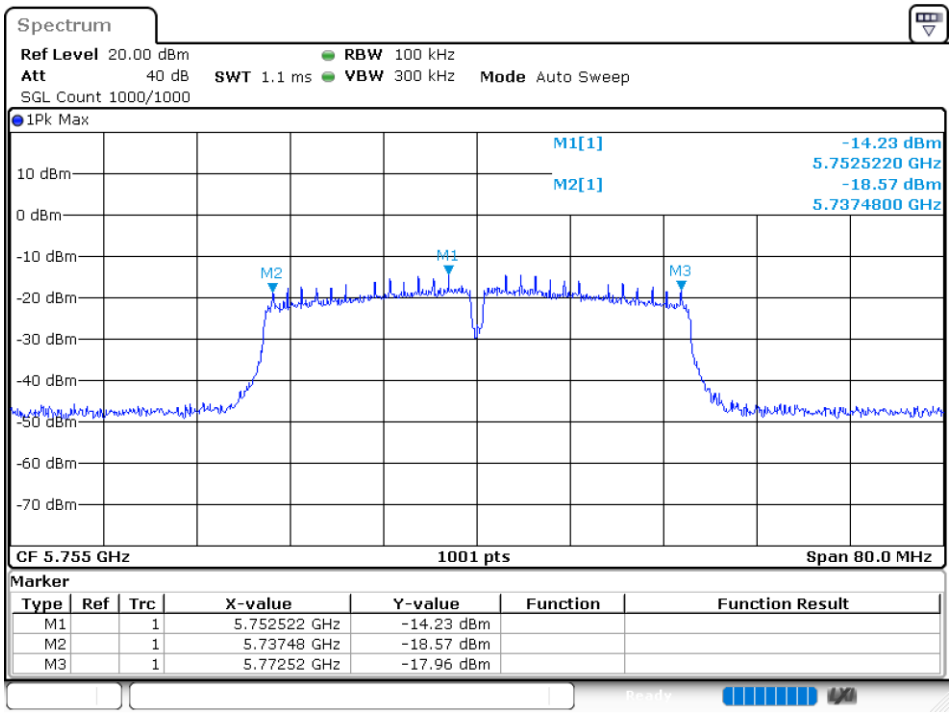
EBW NVNT 802.11ac20 5785MHz Ant1



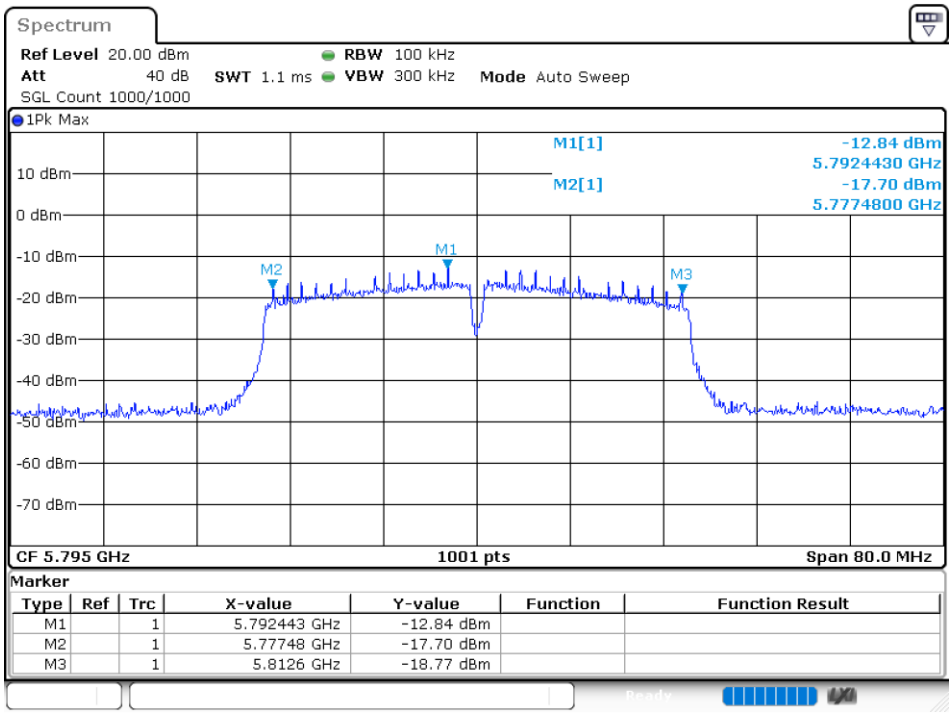
EBW NVNT 802.11ac20 5825MHz Ant1



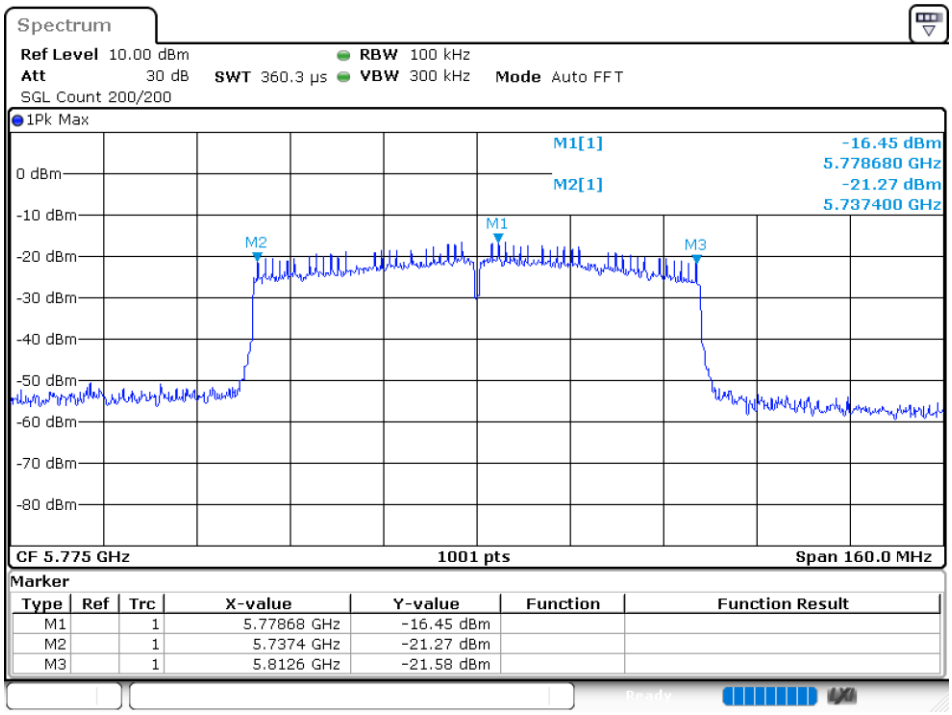
EBW NVNT 802.11ac40 5755MHz Ant1



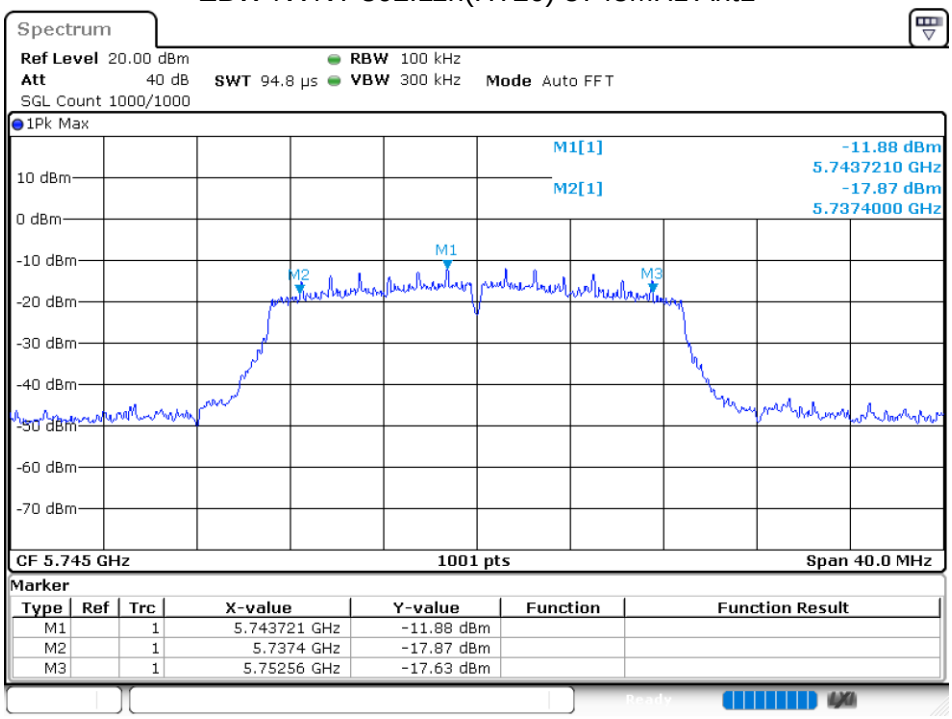
EBW NVNT 802.11ac40 5795MHz Ant1



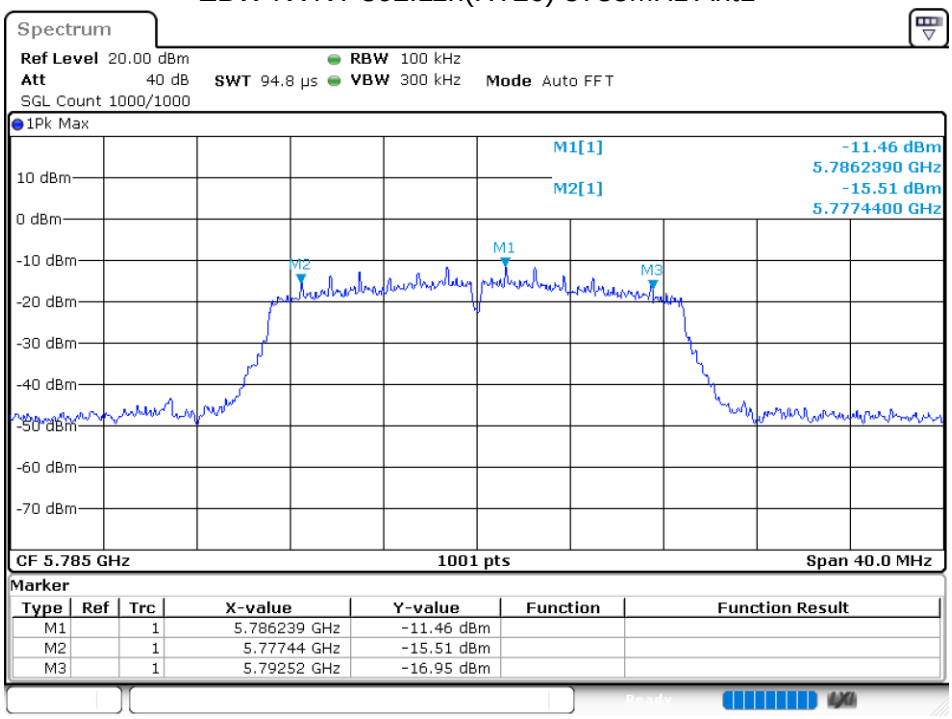
EBW NVNT 802.11ac80 5775MHz Ant1



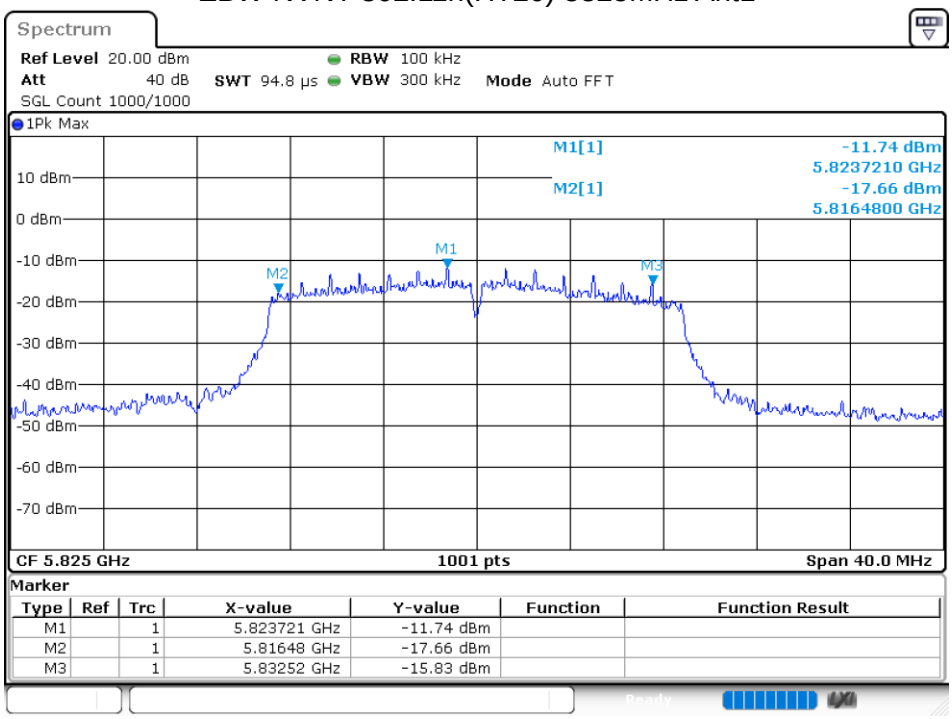
EBW NVNT 802.11n(HT20) 5745MHz Ant1



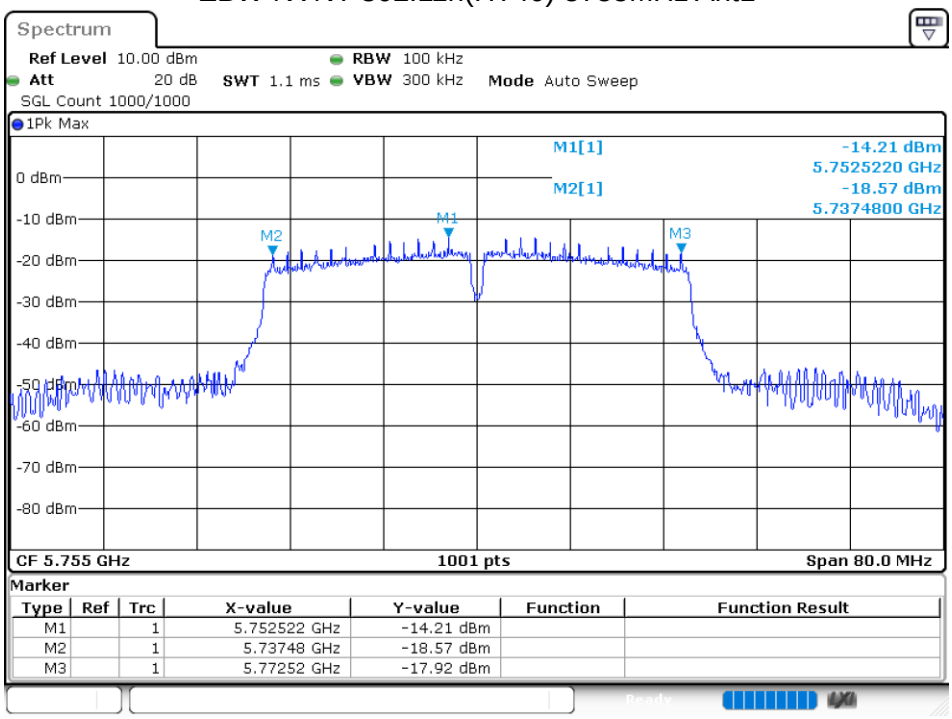
EBW NVNT 802.11n(HT20) 5785MHz Ant1



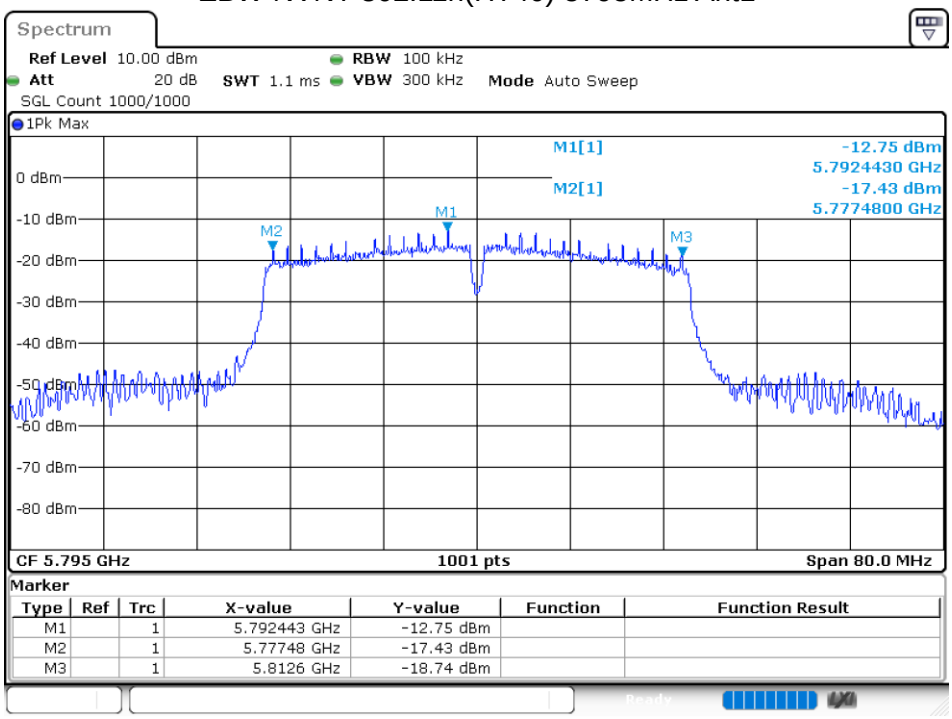
EBW NVNT 802.11n(HT20) 5825MHz Ant1



EBW NVNT 802.11n(HT40) 5755MHz Ant1



EBW NVNT 802.11n(HT40) 5795MHz Ant1

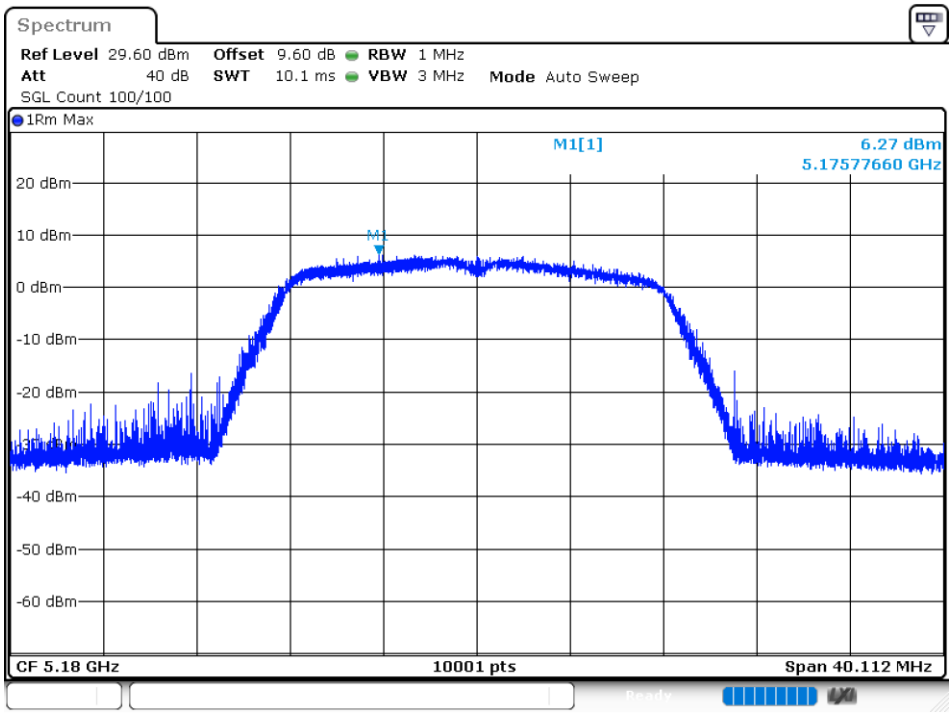


5.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

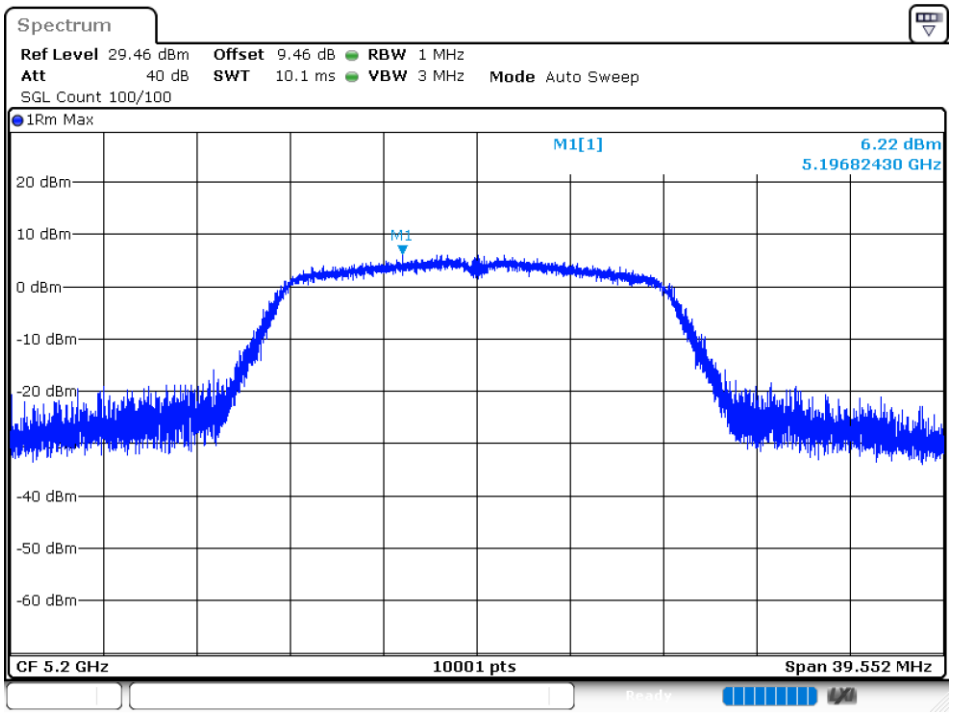
5.2G:

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	6.269	11	Pass
NVNT	802.11a	5200	Ant 1	6.219	11	Pass
NVNT	802.11a	5240	Ant 1	6.789	11	Pass
NVNT	802.11ac20	5180	Ant 1	6.528	11	Pass
NVNT	802.11ac20	5200	Ant 1	6.305	11	Pass
NVNT	802.11ac20	5240	Ant 1	5.721	11	Pass
NVNT	802.11ac40	5190	Ant 1	1.748	11	Pass
NVNT	802.11ac40	5230	Ant 1	1.481	11	Pass
NVNT	802.11ac80	5210	Ant 1	-1.831	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	6.932	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	5.503	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	6.683	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	2.278	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	1.736	11	Pass

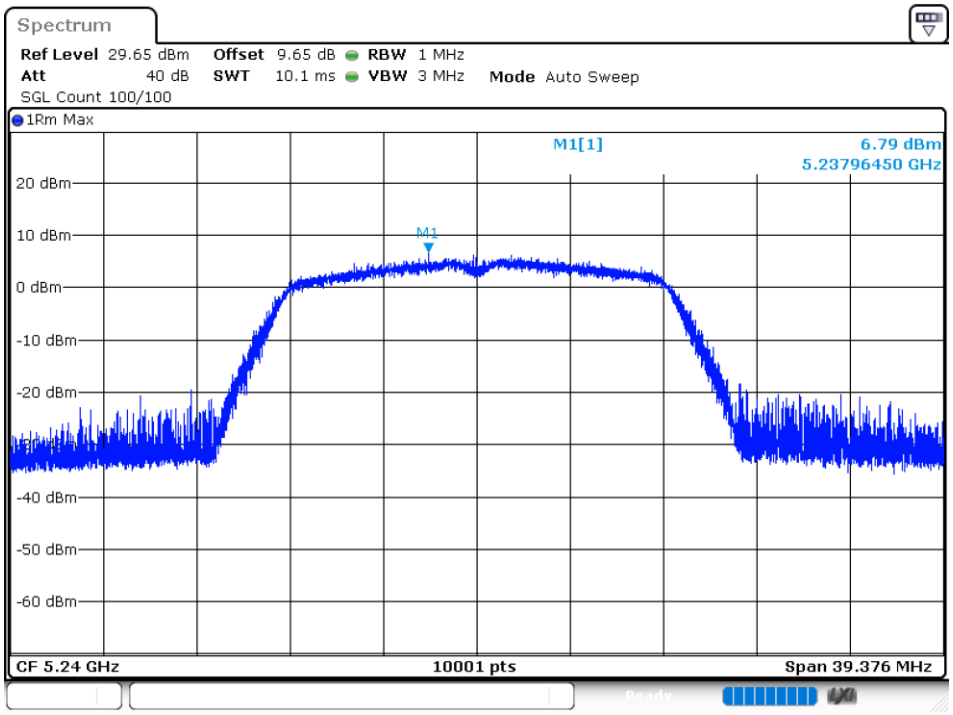
PSD NVNT 802.11a 5180MHz Ant1



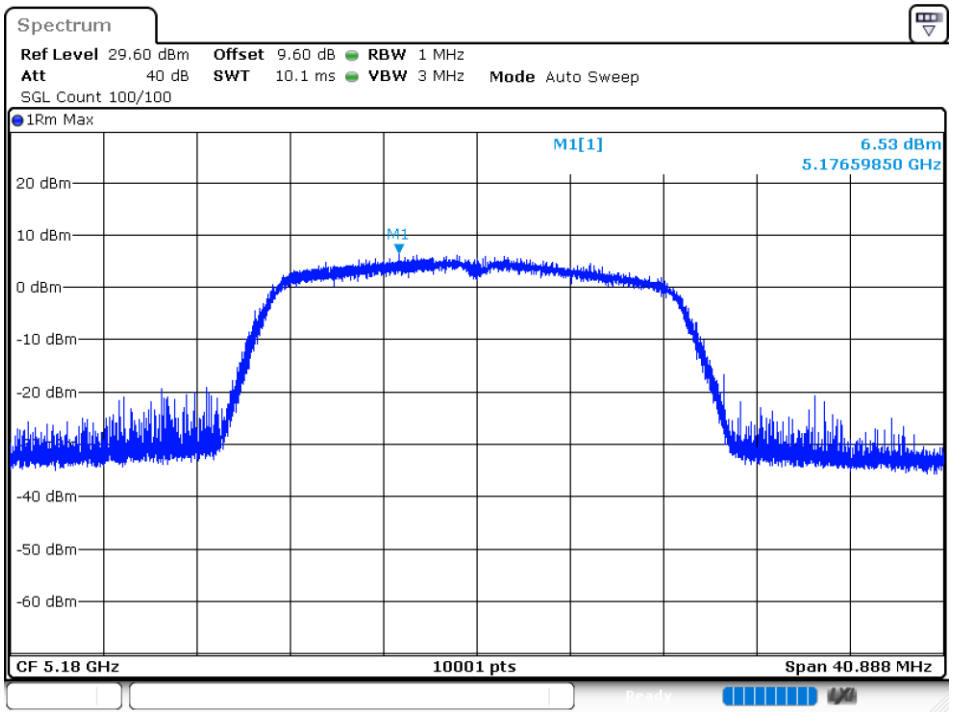
PSD NVNT 802.11a 5200MHz Ant1



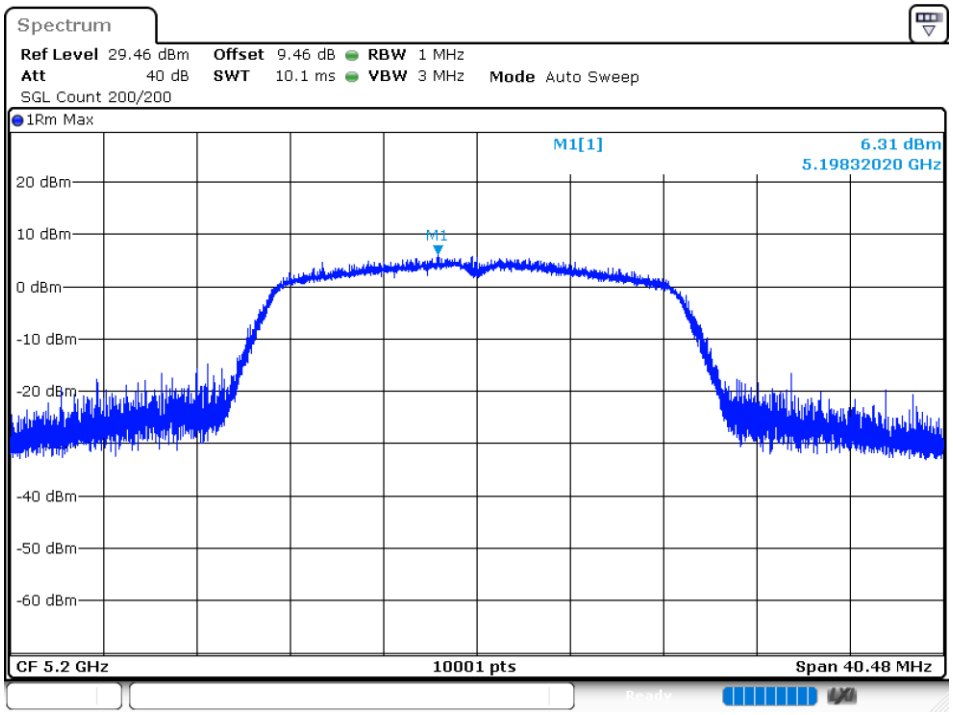
PSD NVNT 802.11a 5240MHz Ant1



PSD NVNT 802.11ac20 5180MHz Ant1



PSD NVNT 802.11ac20 5200MHz Ant1



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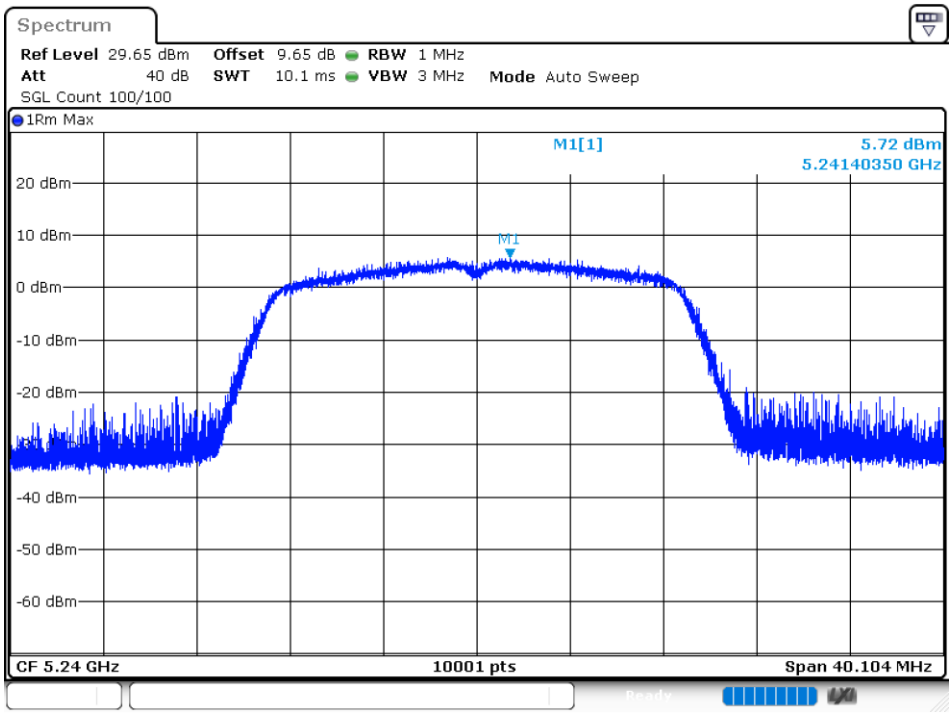
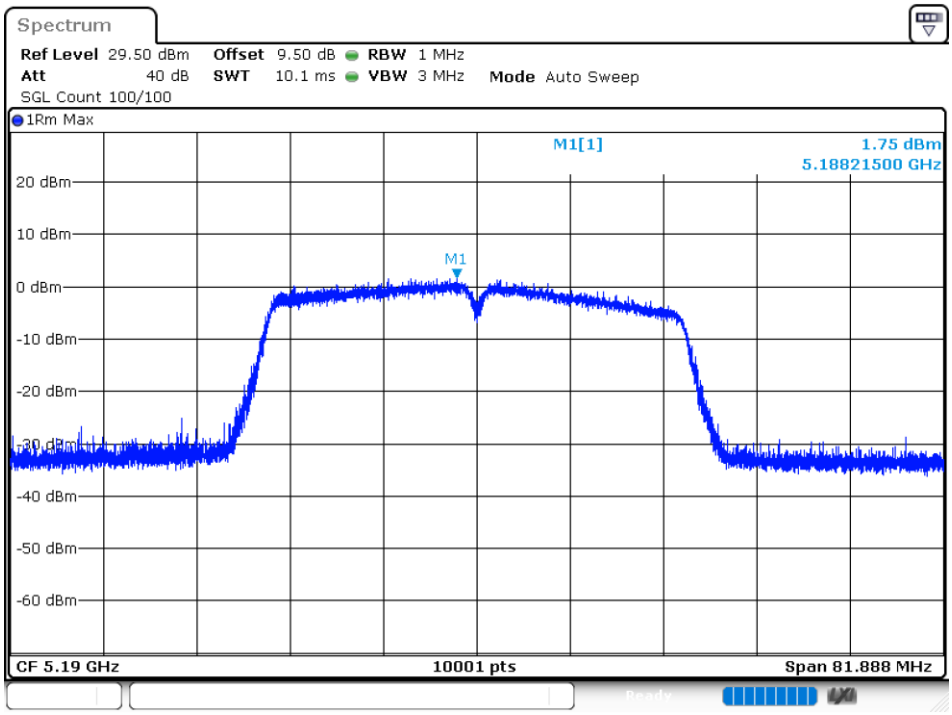
PSD NVNT 802.11ac40 5190MHz Ant1