

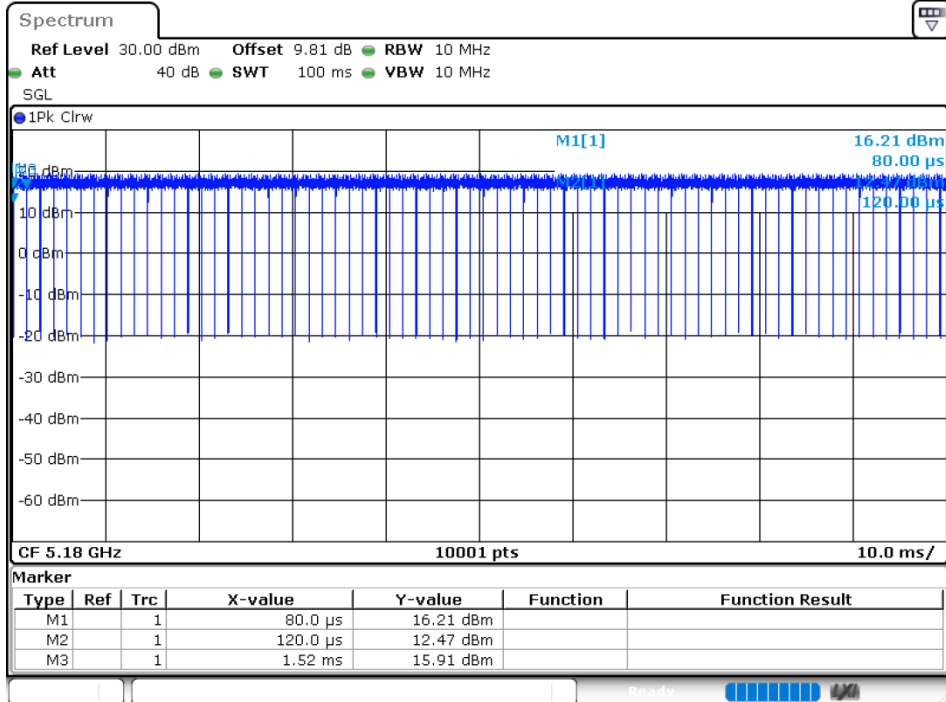
5.2G WIFI

Duty Cycle

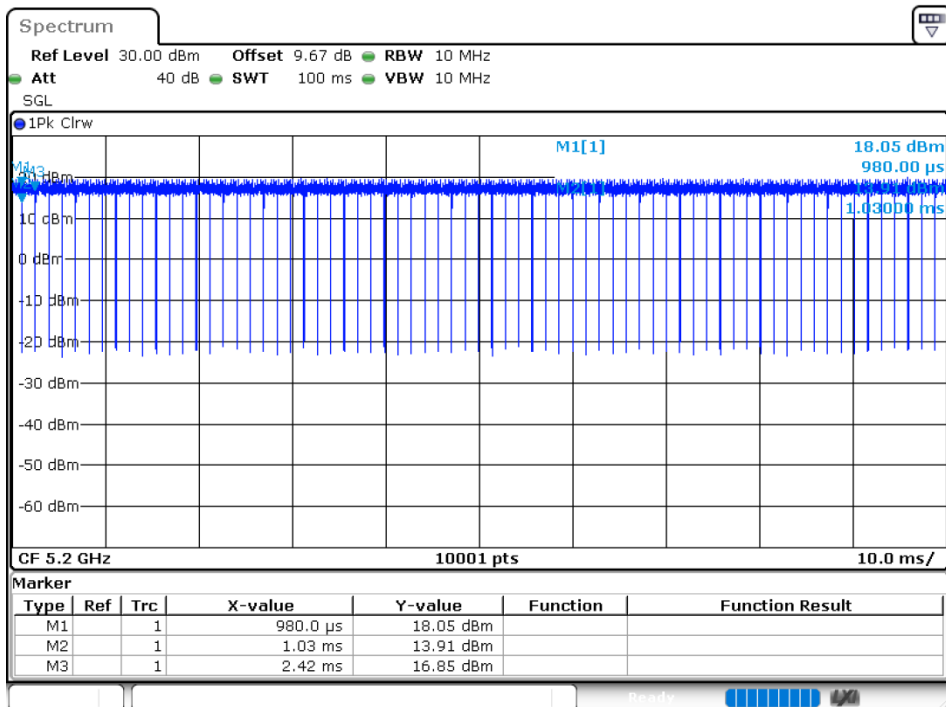
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.79	0.1	0.71
NVNT	a	5200	Ant1	97.81	0.1	0.72
NVNT	a	5240	Ant1	97.79	0.1	0.71
NVNT	n20	5180	Ant1	97.67	0.1	0.76
NVNT	n20	5200	Ant1	97.61	0.11	0.76
NVNT	n20	5240	Ant1	97.66	0.1	0.76
NVNT	n40	5190	Ant1	95.4	0.2	1.56
NVNT	n40	5230	Ant1	95.44	0.2	1.54
NVNT	ac20	5180	Ant1	97.67	0.1	0.76
NVNT	ac20	5200	Ant1	97.65	0.1	0.76
NVNT	ac20	5240	Ant1	97.63	0.1	0.76
NVNT	ac40	5190	Ant1	95.36	0.21	1.52
NVNT	ac40	5230	Ant1	95.48	0.2	1.54
NVNT	ac80	5210	Ant1	91.36	0.39	3.12

Test Graphs

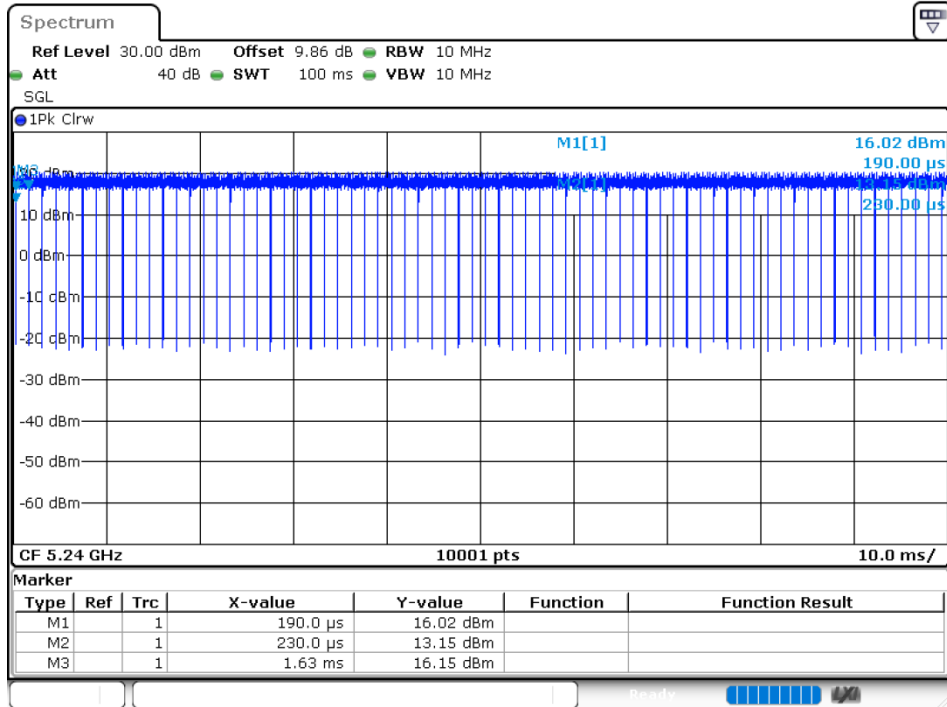
Duty Cycle NVNT a 5180MHz Ant1



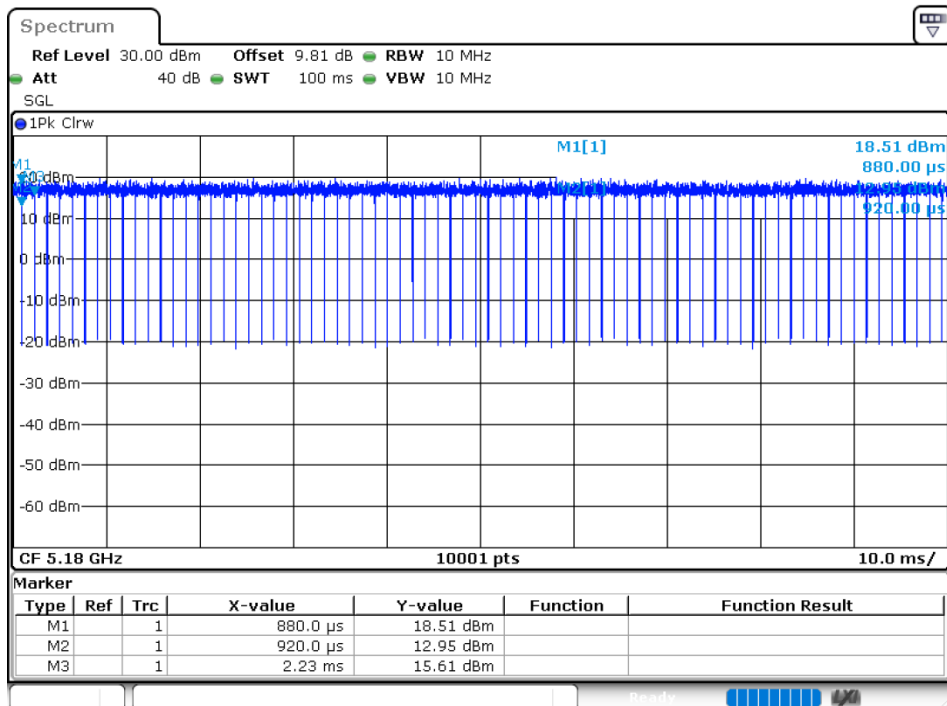
Duty Cycle NVNT a 5200MHz Ant1



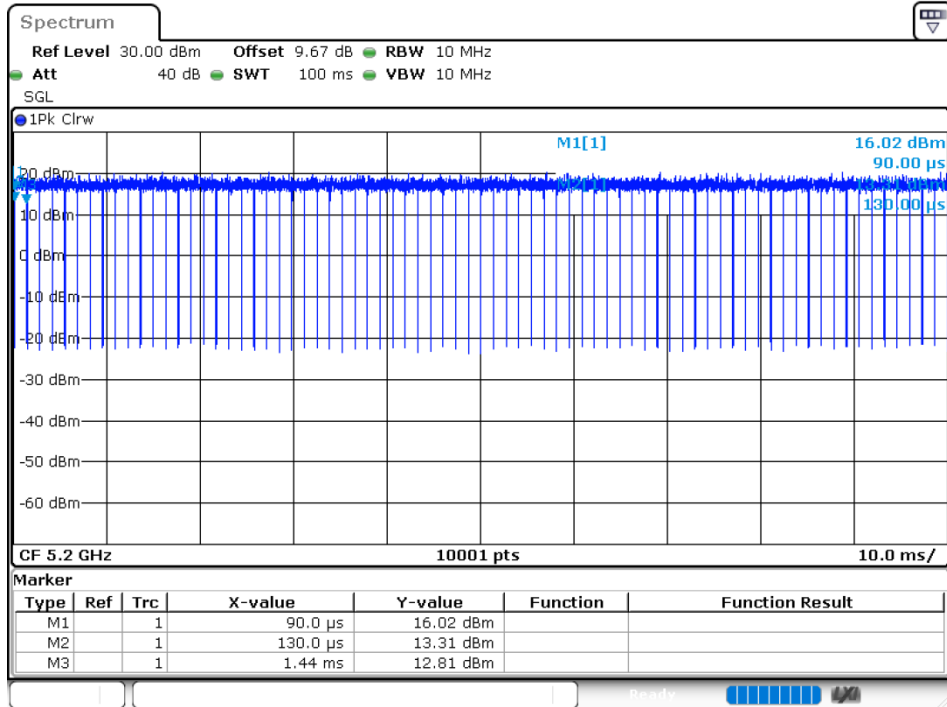
Duty Cycle NVNT a 5240MHz Ant1



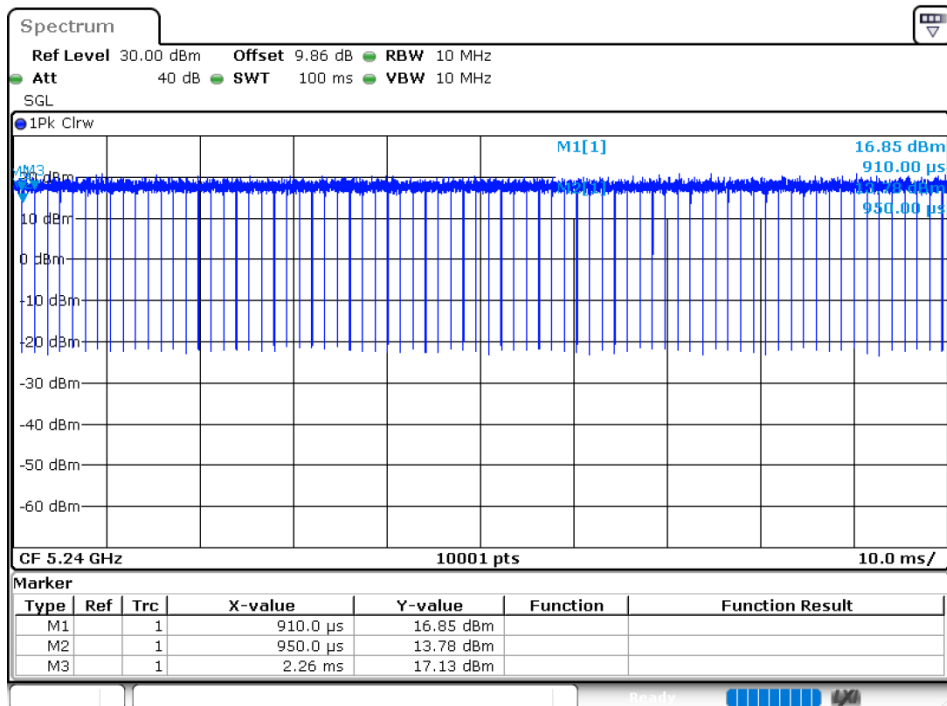
Duty Cycle NVNT n20 5180MHz Ant1



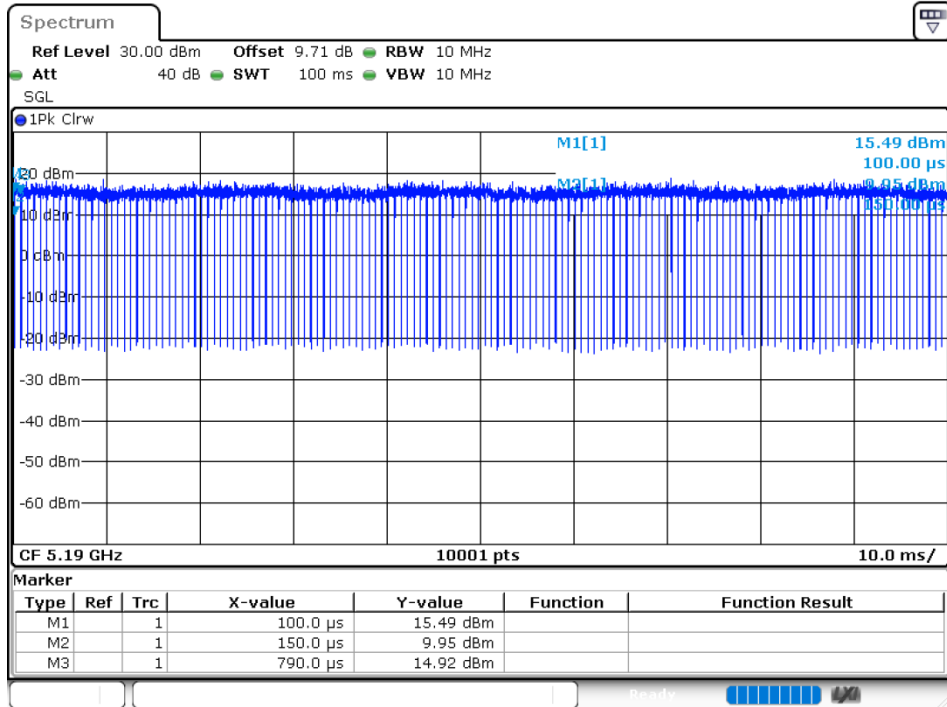
Duty Cycle NVNT n20 5200MHz Ant1



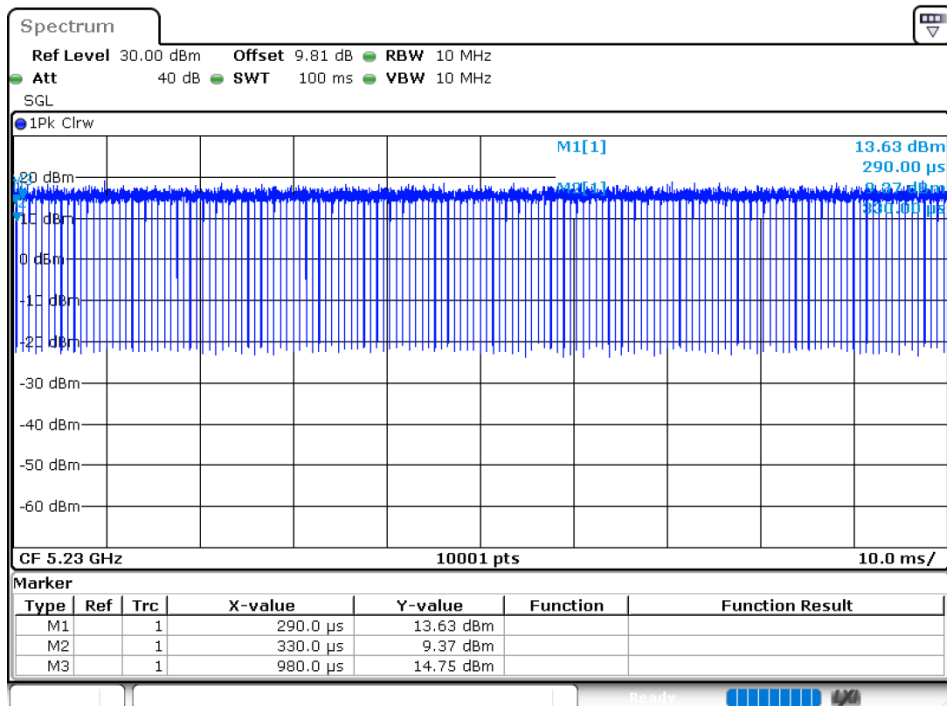
Duty Cycle NVNT n20 5240MHz Ant1



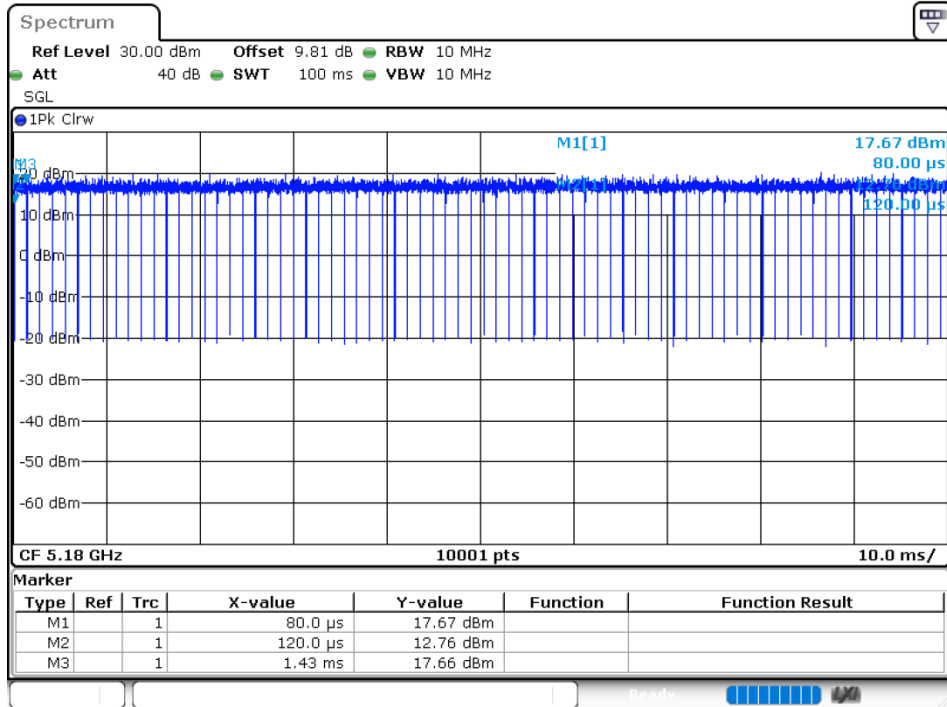
Duty Cycle NVNT n40 5190MHz Ant1



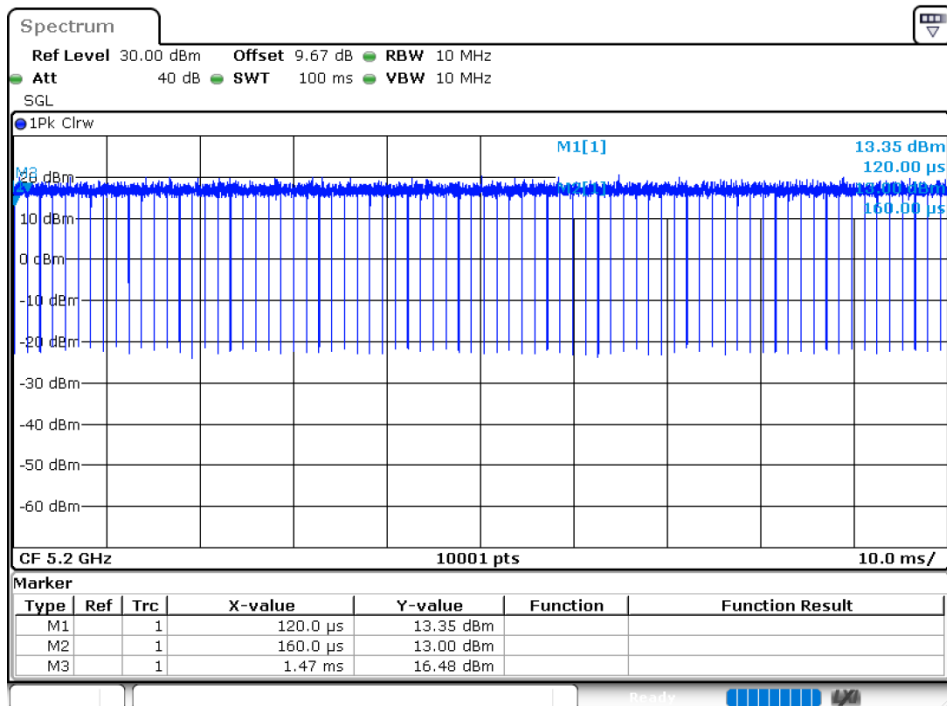
Duty Cycle NVNT n40 5230MHz Ant1



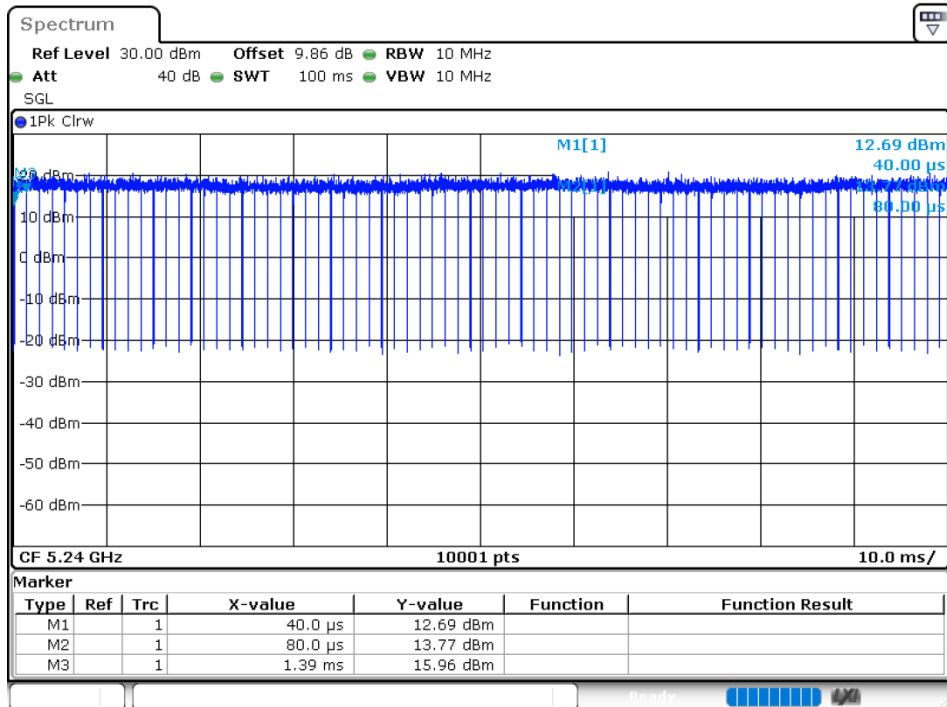
Duty Cycle NVNT ac20 5180MHz Ant1



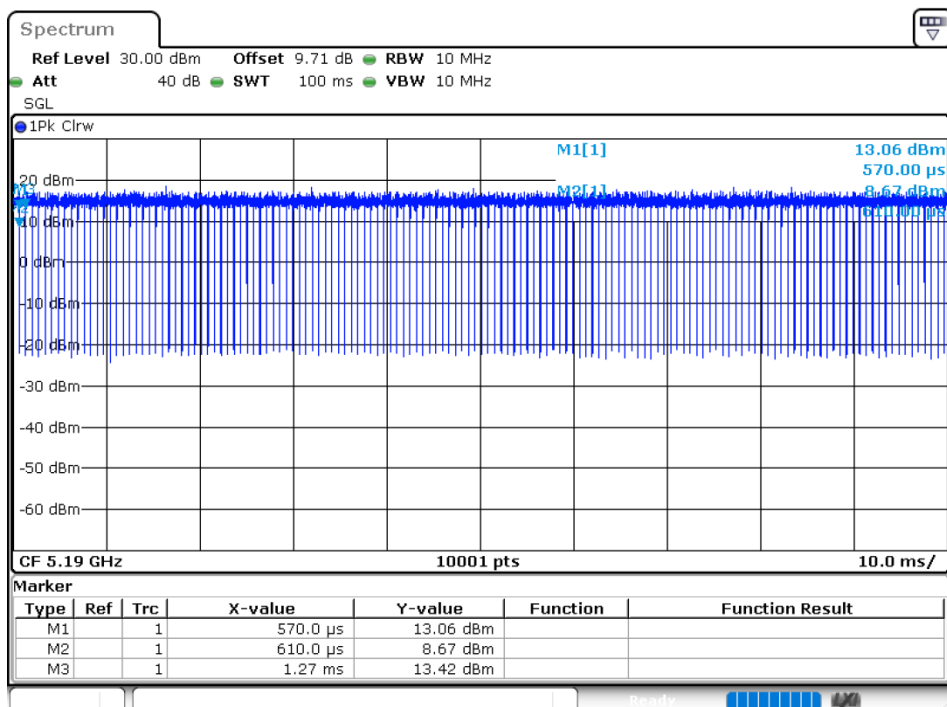
Duty Cycle NVNT ac20 5200MHz Ant1



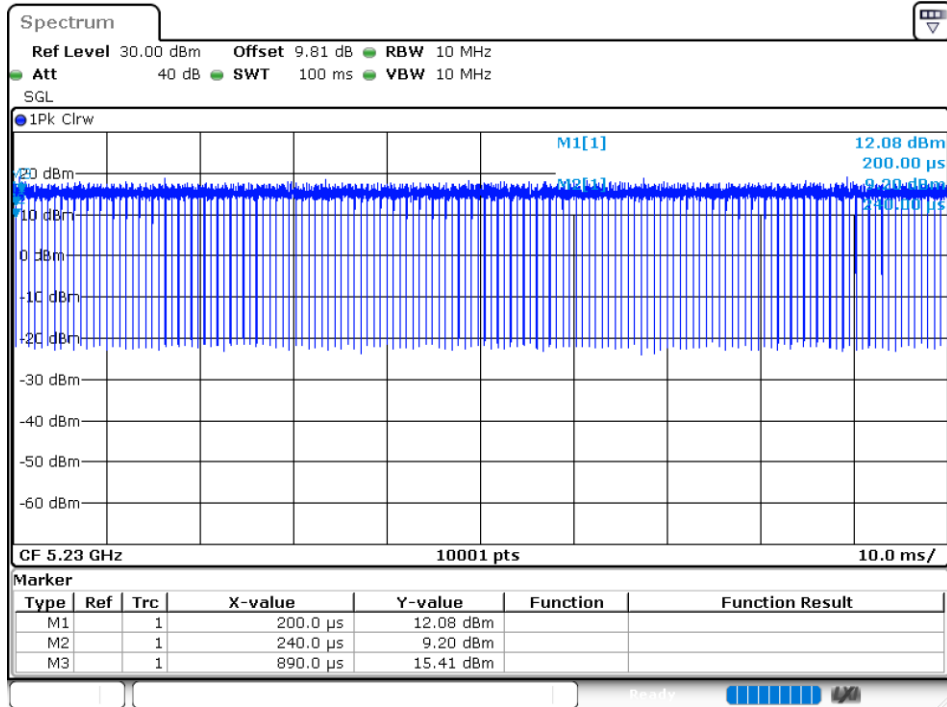
Duty Cycle NVNT ac20 5240MHz Ant1



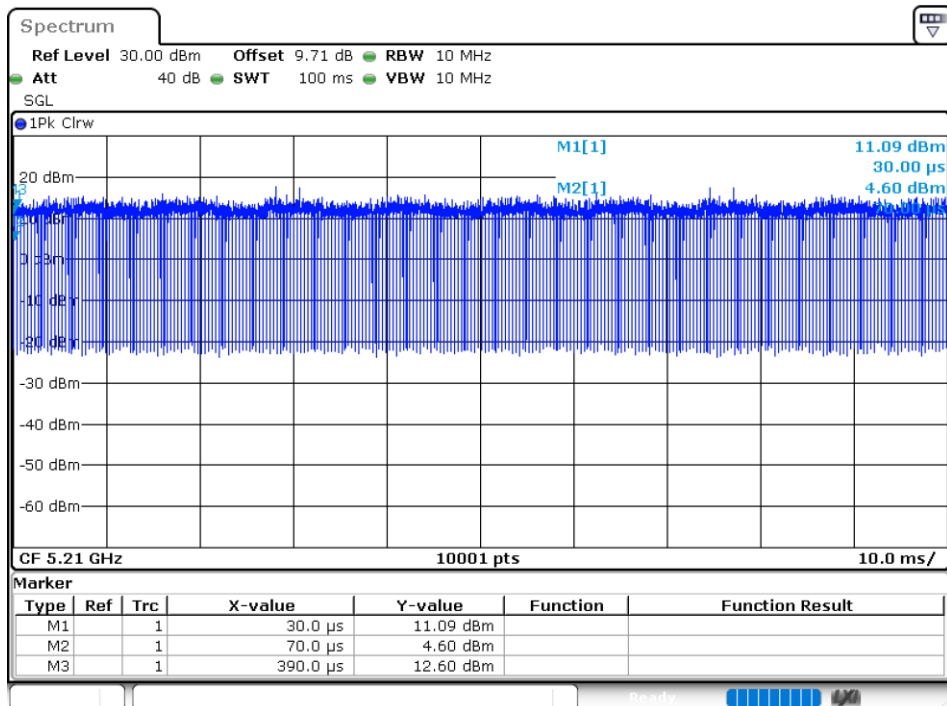
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1



Maximum Conducted Output Power

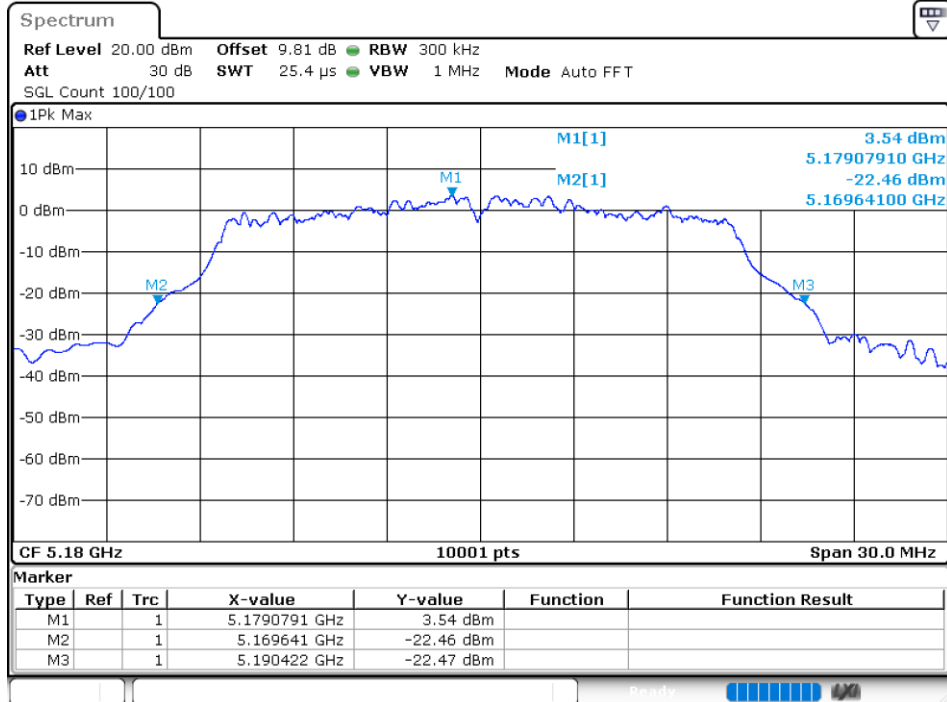
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.32	0.1	10.42	24	Pass
NVNT	a	5200	Ant1	10.75	0.1	10.85	24	Pass
NVNT	a	5240	Ant1	10.86	0.1	10.96	24	Pass
NVNT	n20	5180	Ant1	10.54	0.1	10.64	24	Pass
NVNT	n20	5200	Ant1	11.12	0.11	11.23	24	Pass
NVNT	n20	5240	Ant1	11.07	0.1	11.17	24	Pass
NVNT	n40	5190	Ant1	10.68	0.2	10.88	24	Pass
NVNT	n40	5230	Ant1	10.77	0.2	10.97	24	Pass
NVNT	ac20	5180	Ant1	10.34	0.1	10.44	24	Pass
NVNT	ac20	5200	Ant1	10.76	0.1	10.86	24	Pass
NVNT	ac20	5240	Ant1	10.74	0.1	10.84	24	Pass
NVNT	ac40	5190	Ant1	10.22	0.21	10.43	24	Pass
NVNT	ac40	5230	Ant1	10.5	0.2	10.7	24	Pass
NVNT	ac80	5210	Ant1	10.68	0.39	11.07	24	Pass

-26dB Bandwidth

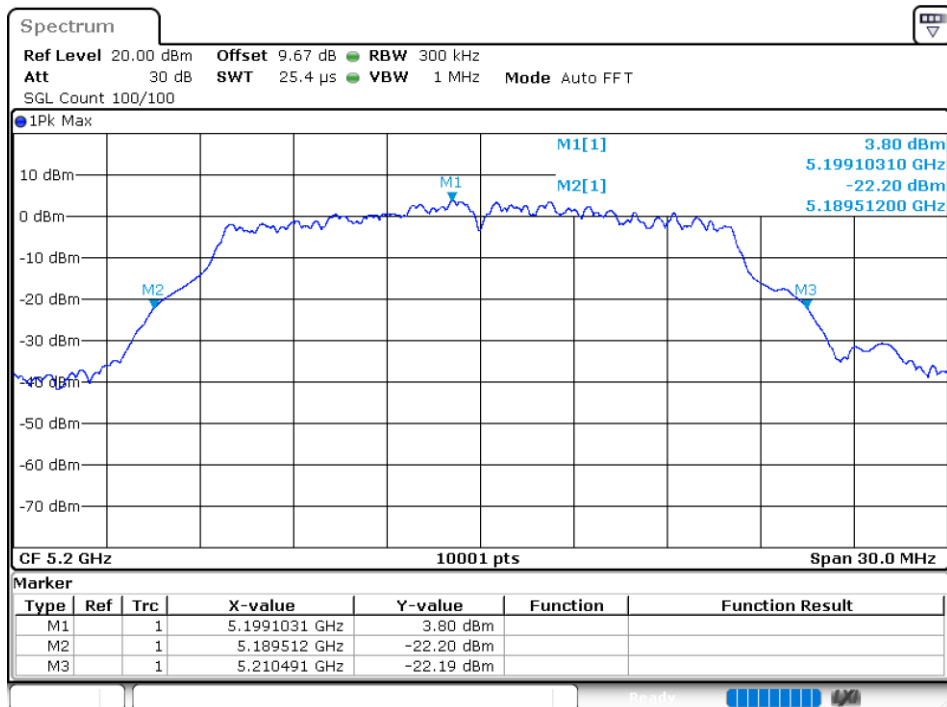
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.781	Pass
NVNT	a	5200	Ant1	20.979	Pass
NVNT	a	5240	Ant1	21.222	Pass
NVNT	n20	5180	Ant1	20.55	Pass
NVNT	n20	5200	Ant1	20.877	Pass
NVNT	n20	5240	Ant1	20.877	Pass
NVNT	n40	5190	Ant1	39.792	Pass
NVNT	n40	5230	Ant1	40.032	Pass
NVNT	ac20	5180	Ant1	20.937	Pass
NVNT	ac20	5200	Ant1	21.078	Pass
NVNT	ac20	5240	Ant1	21.162	Pass
NVNT	ac40	5190	Ant1	39.714	Pass
NVNT	ac40	5230	Ant1	39.612	Pass
NVNT	ac80	5210	Ant1	85.452	Pass

Test Graphs

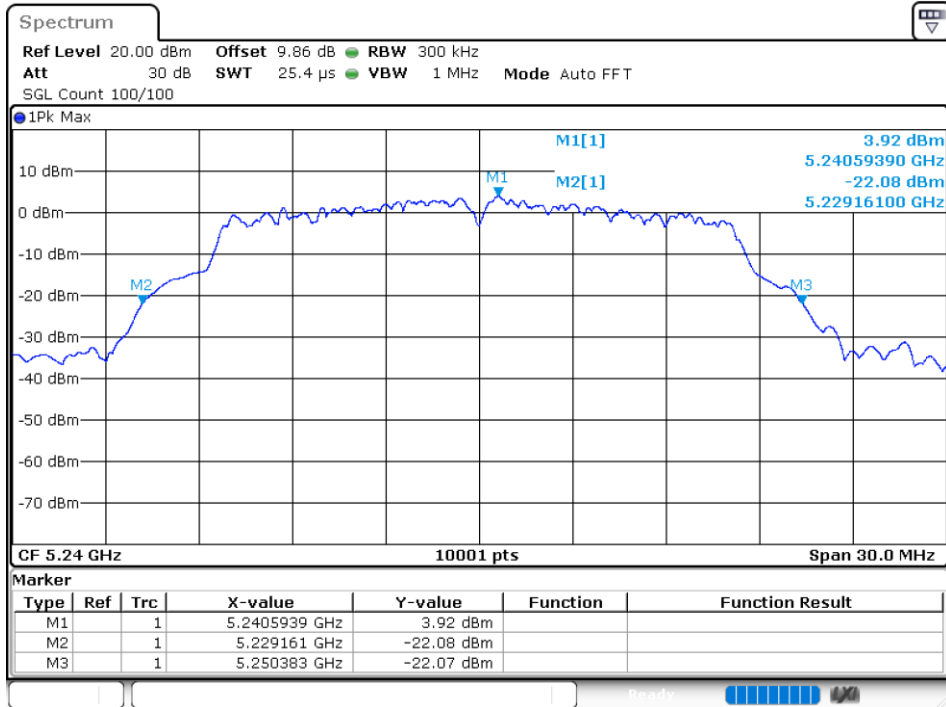
-26dB Bandwidth NVNT a 5180MHz Ant1



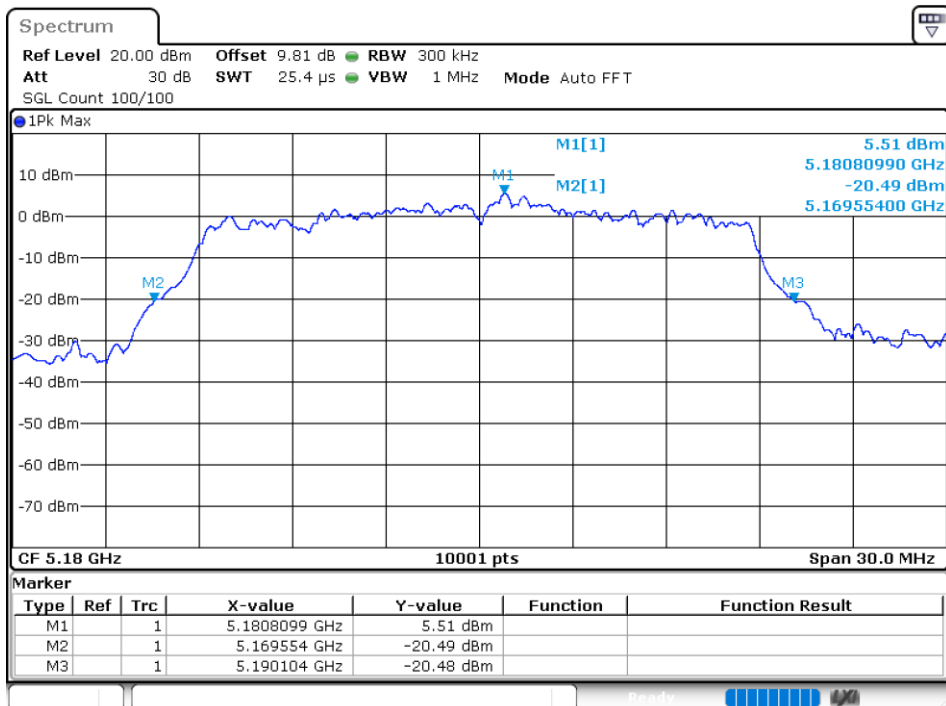
-26dB Bandwidth NVNT a 5200MHz Ant1



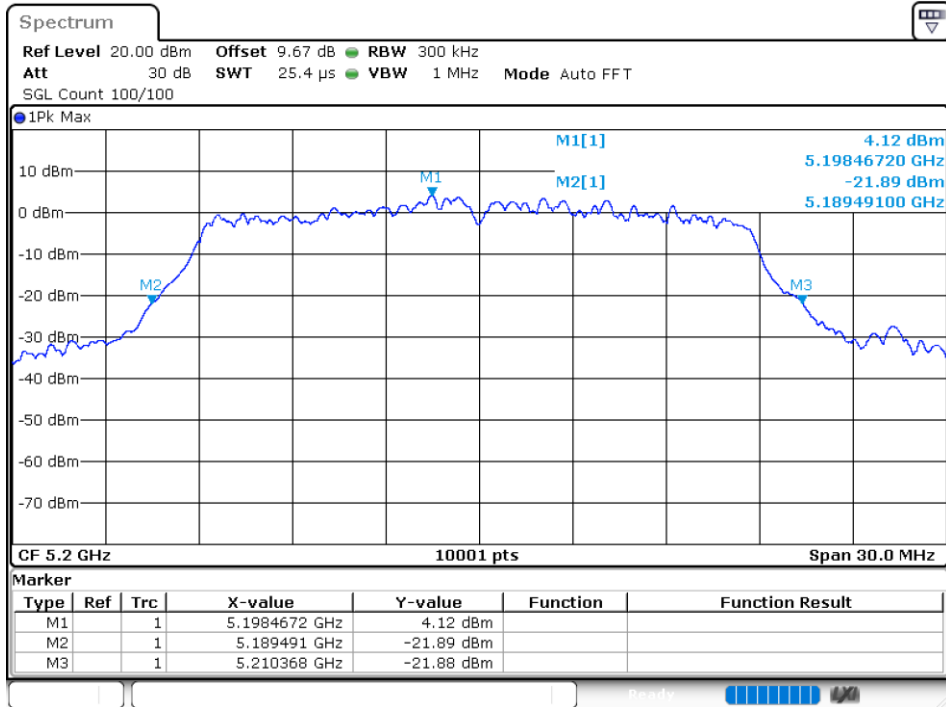
-26dB Bandwidth NVNT a 5240MHz Ant1



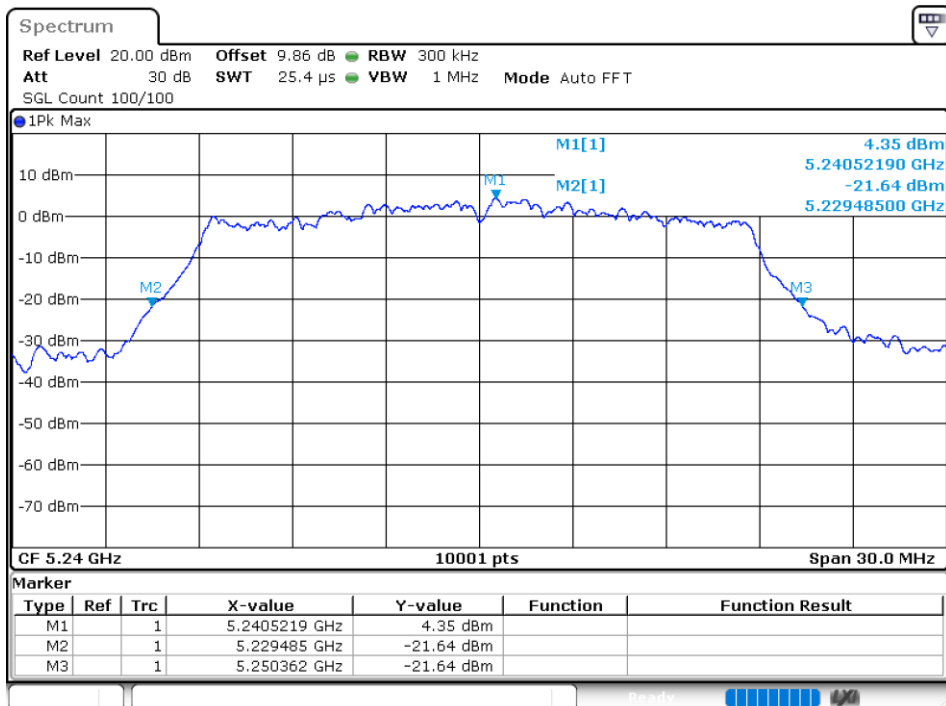
-26dB Bandwidth NVNT n20 5180MHz Ant1



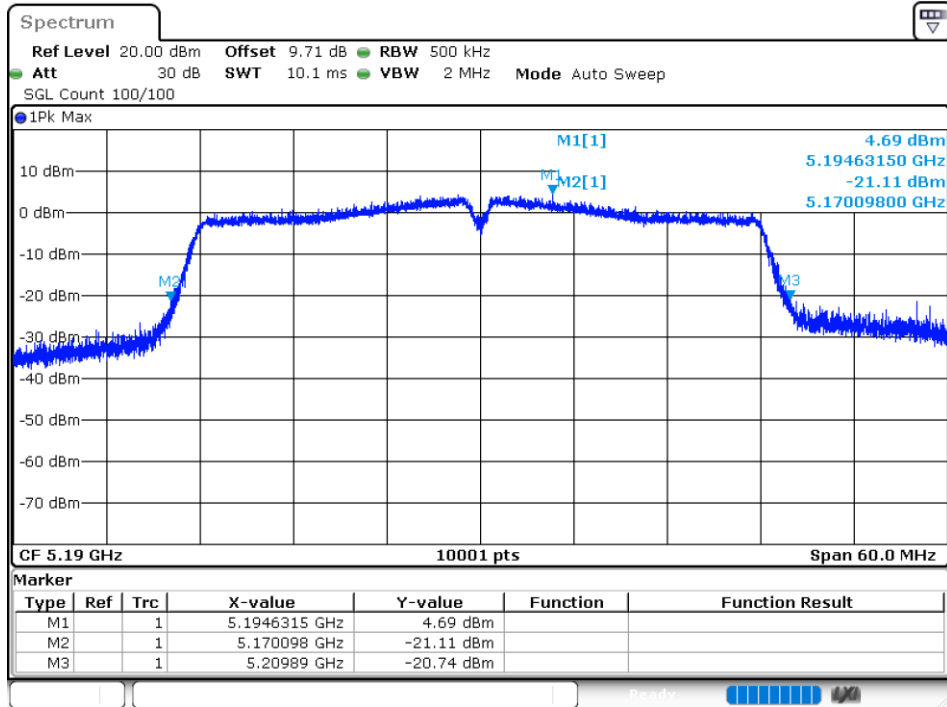
-26dB Bandwidth NVNT n20 5200MHz Ant1



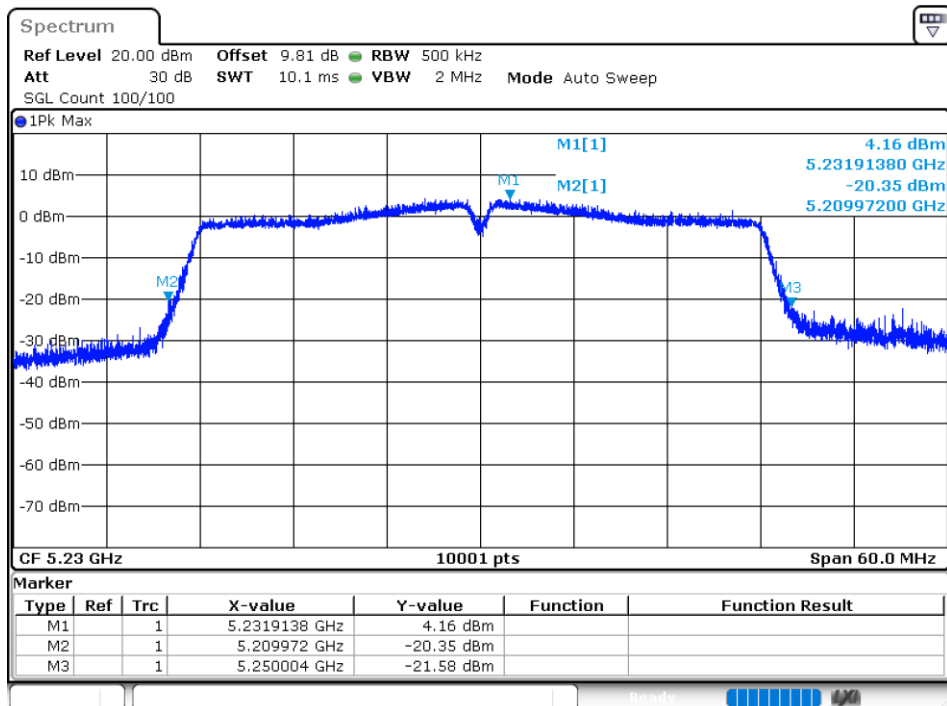
-26dB Bandwidth NVNT n20 5240MHz Ant1



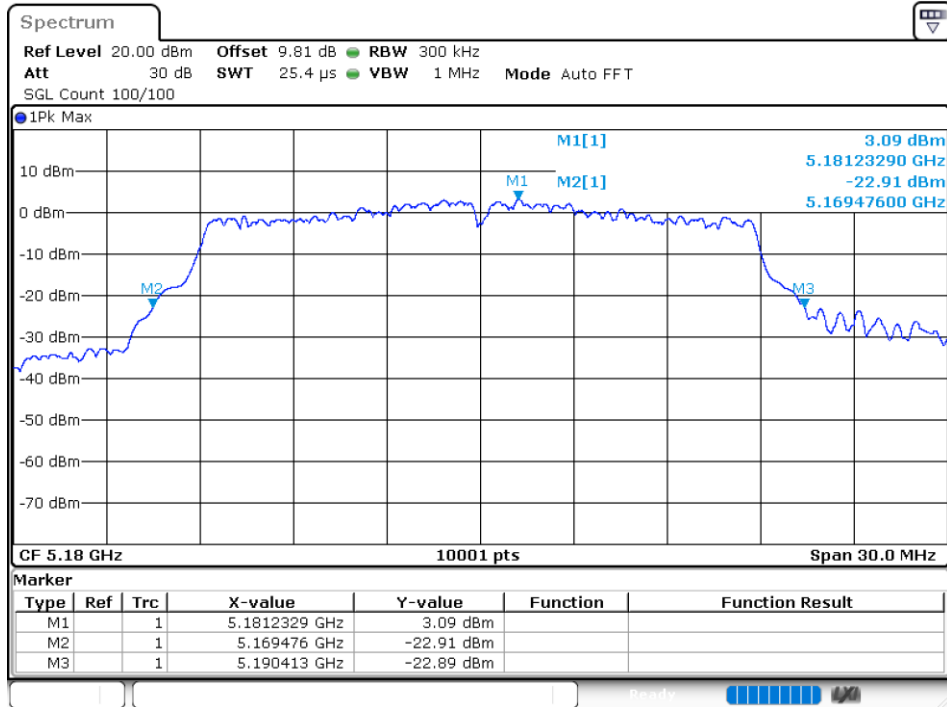
-26dB Bandwidth NVNT n40 5190MHz Ant1



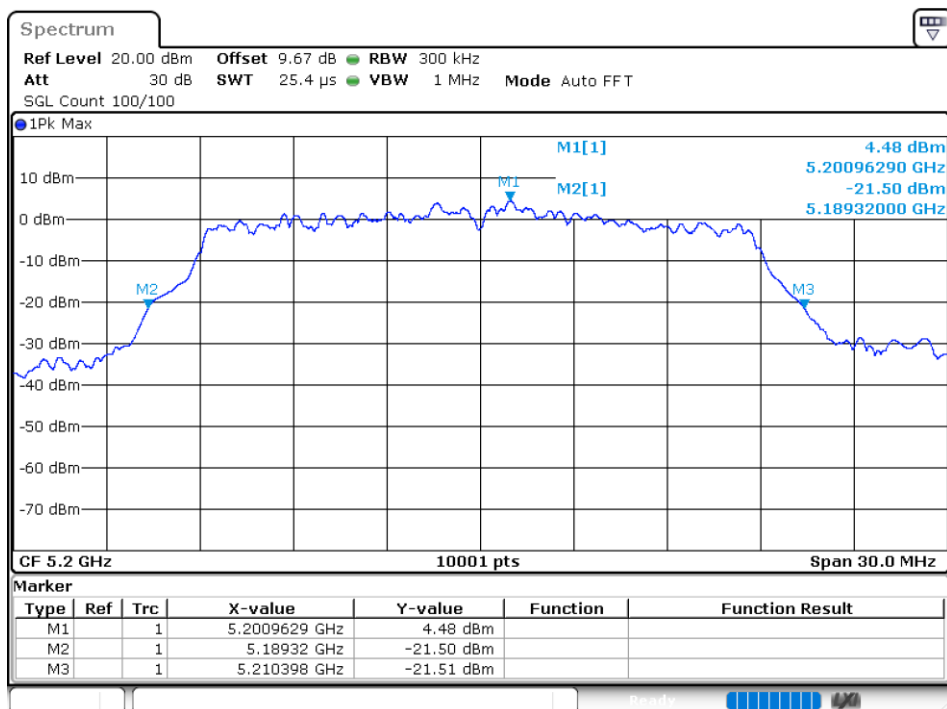
-26dB Bandwidth NVNT n40 5230MHz Ant1



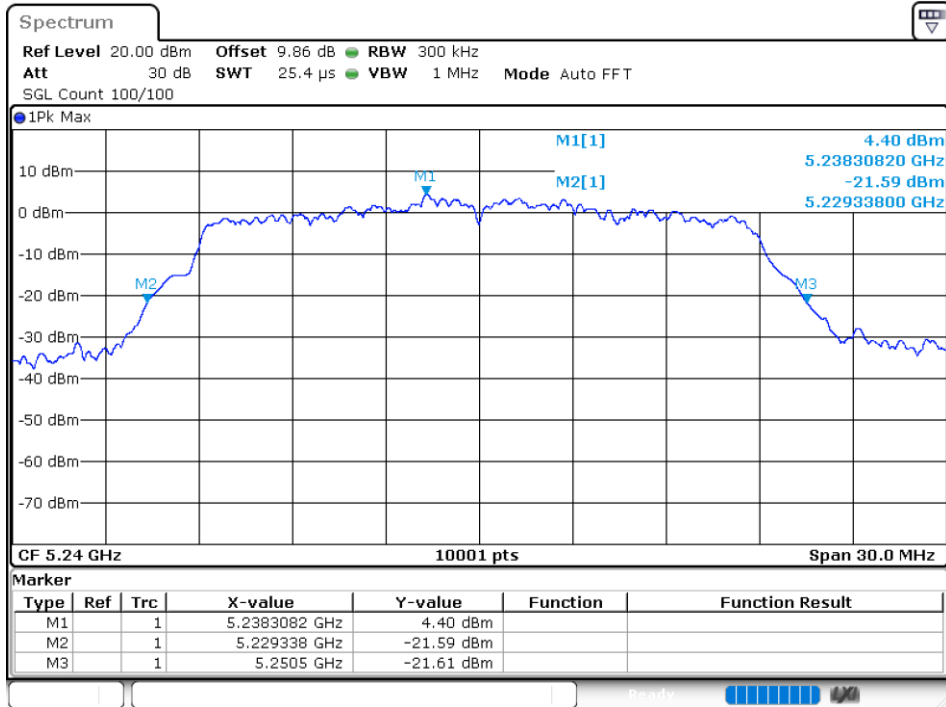
-26dB Bandwidth NVNT ac20 5180MHz Ant1



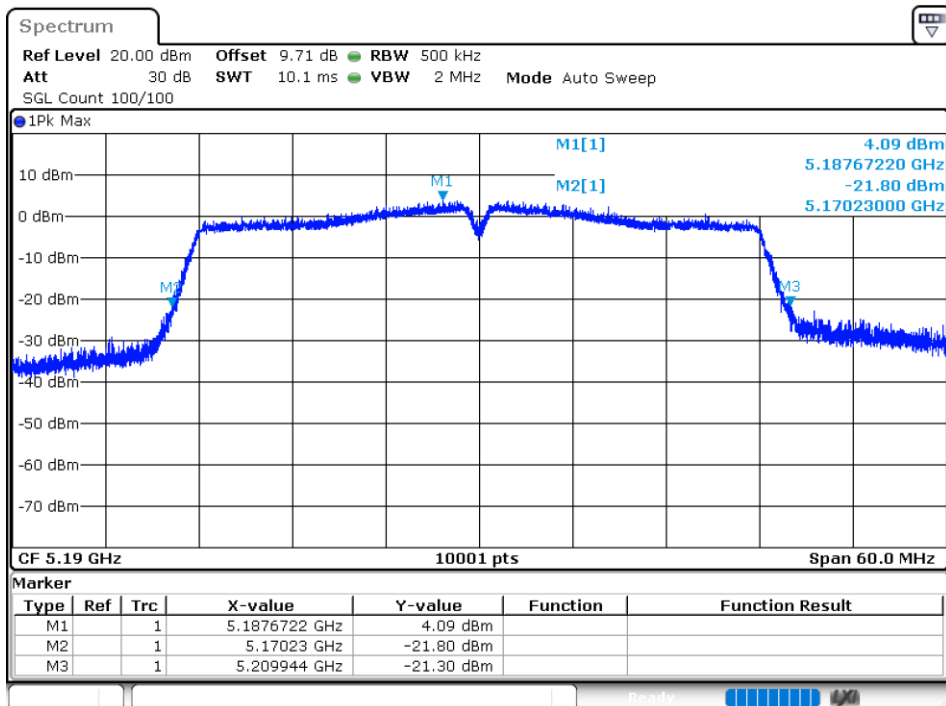
-26dB Bandwidth NVNT ac20 5200MHz Ant1



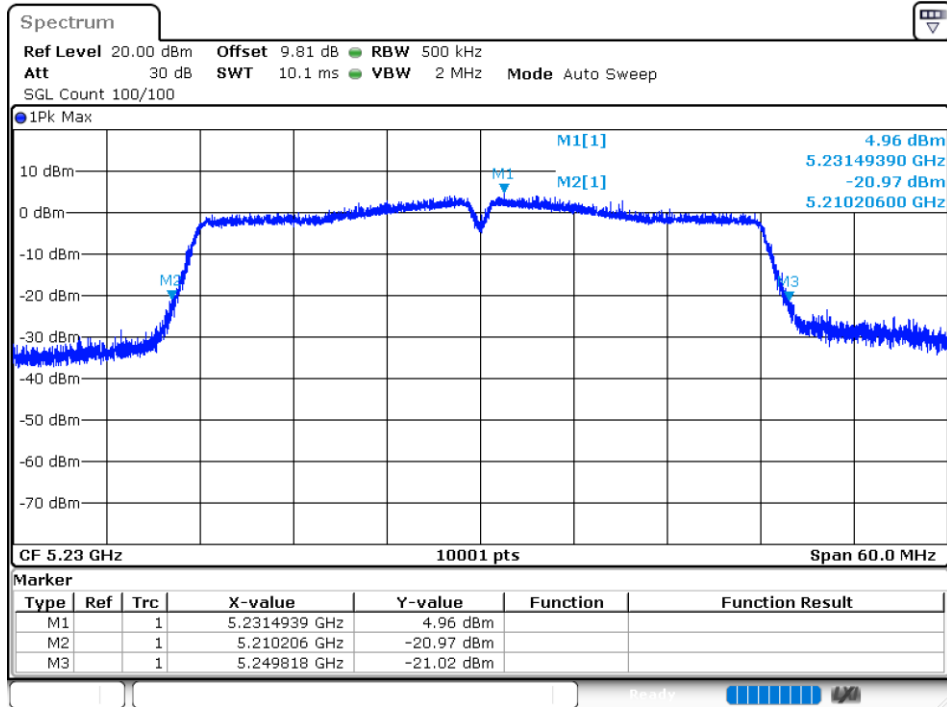
-26dB Bandwidth NVNT ac20 5240MHz Ant1



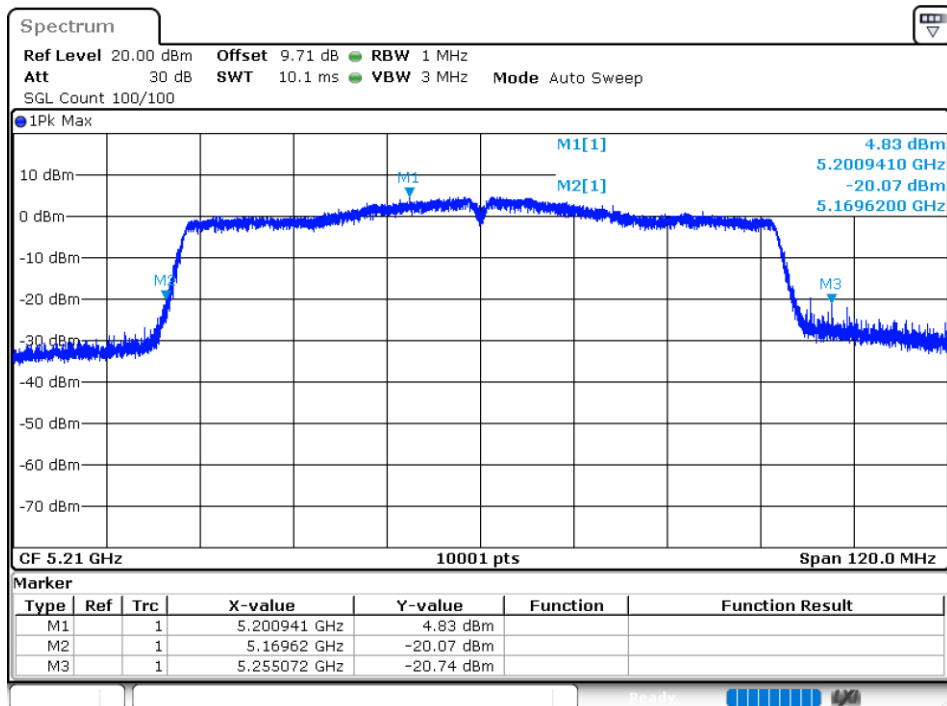
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1

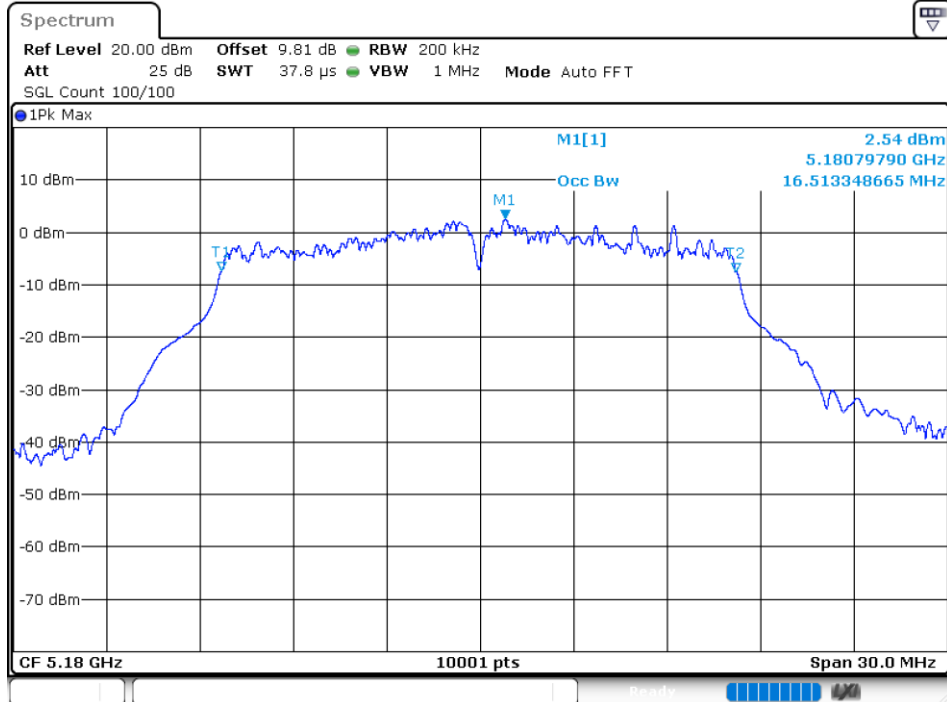


Occupied Channel Bandwidth

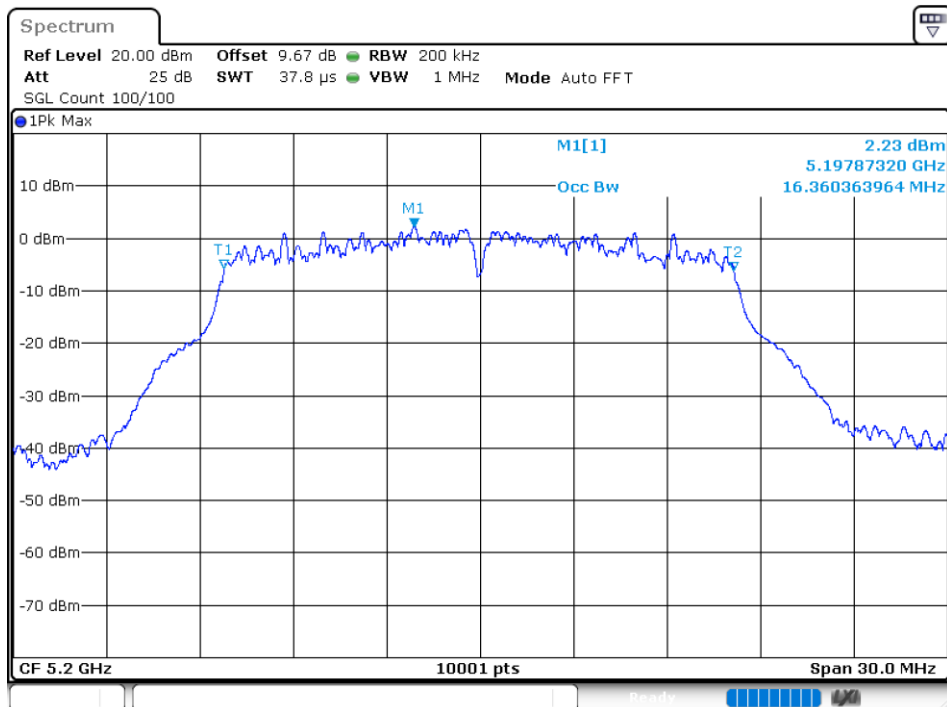
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.513
NVNT	a	5200	Ant1	16.36
NVNT	a	5240	Ant1	16.525
NVNT	n20	5180	Ant1	17.635
NVNT	n20	5200	Ant1	17.617
NVNT	n20	5240	Ant1	17.623
NVNT	n40	5190	Ant1	36.122
NVNT	n40	5230	Ant1	36.14
NVNT	ac20	5180	Ant1	17.572
NVNT	ac20	5200	Ant1	17.656
NVNT	ac20	5240	Ant1	17.605
NVNT	ac40	5190	Ant1	36.116
NVNT	ac40	5230	Ant1	36.146
NVNT	ac80	5210	Ant1	75.208

Test Graphs

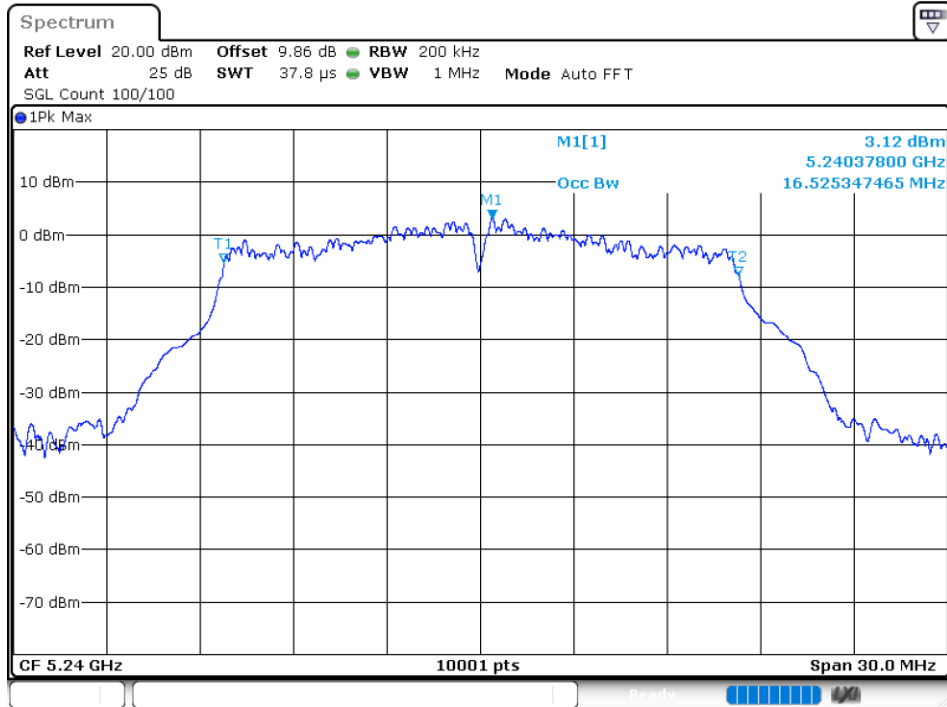
OBW NVNT a 5180MHz Ant1



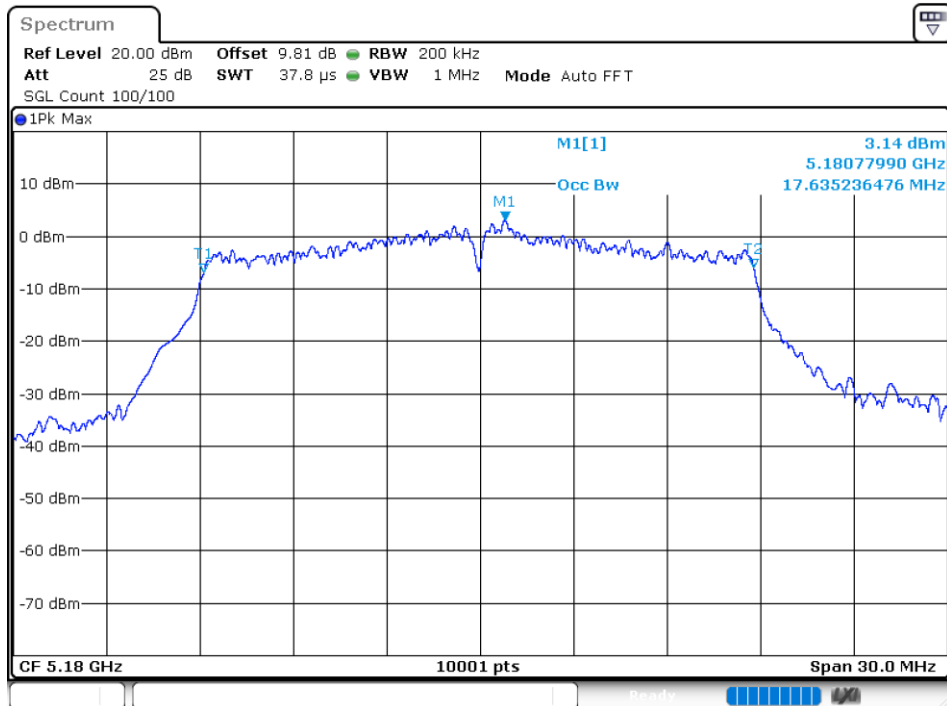
OBW NVNT a 5200MHz Ant1



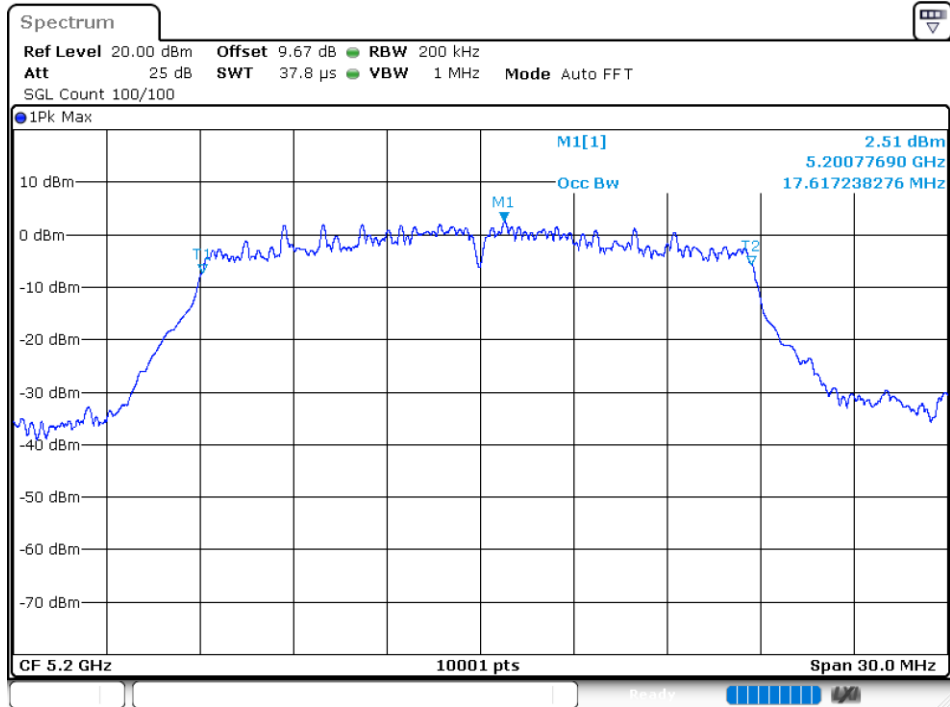
OBW NVNT a 5240MHz Ant1



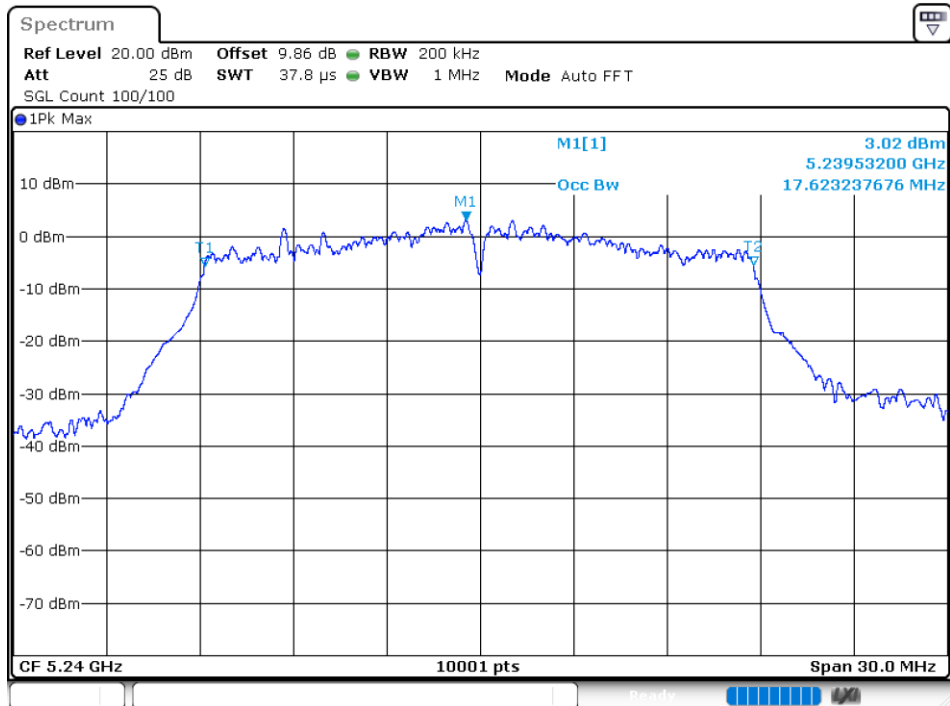
OBW NVNT n20 5180MHz Ant1



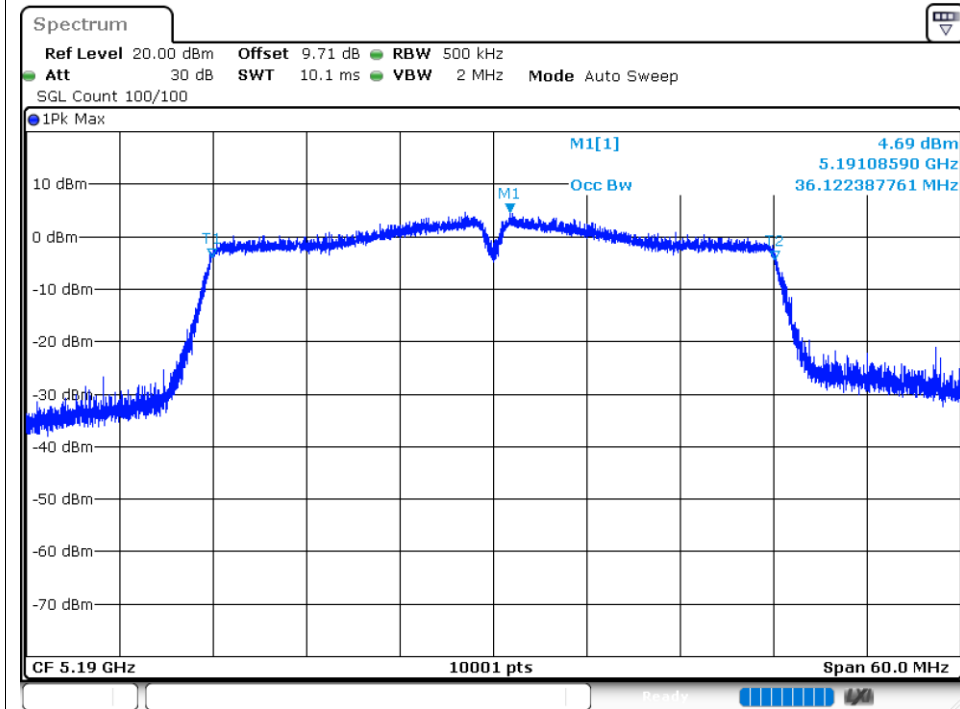
OBW NVNT n20 5200MHz Ant1



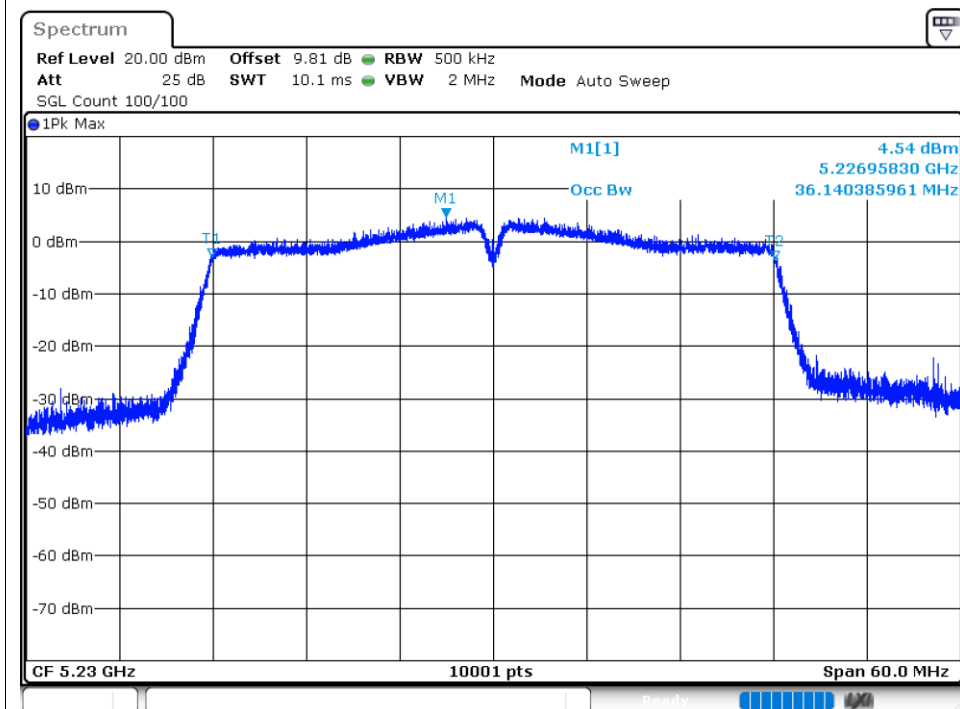
OBW NVNT n20 5240MHz Ant1



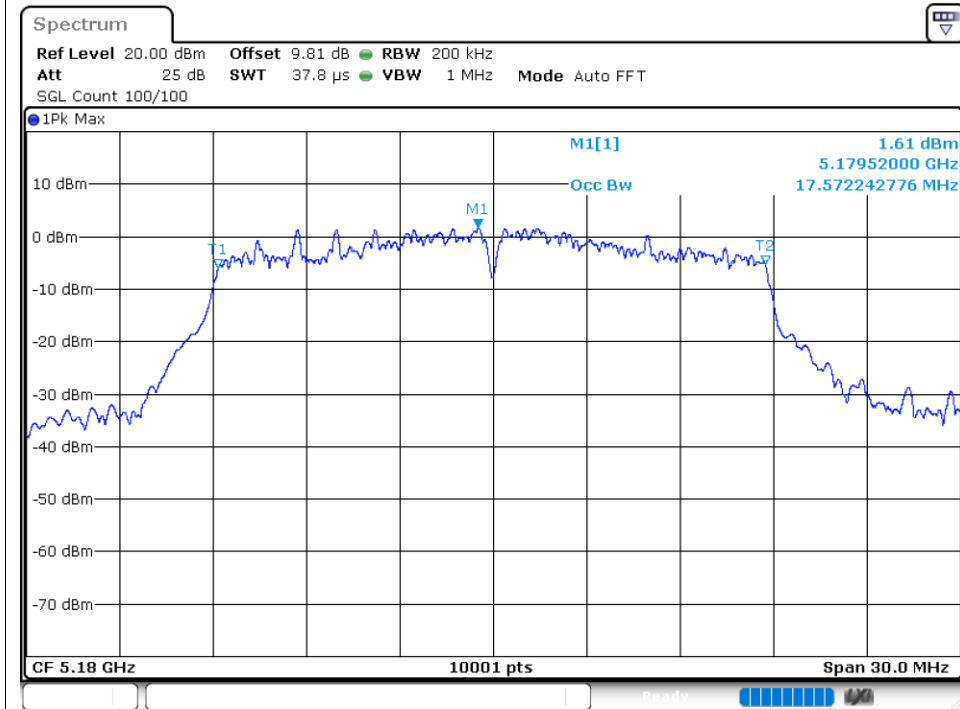
OBW NVNT n40 5190MHz Ant1



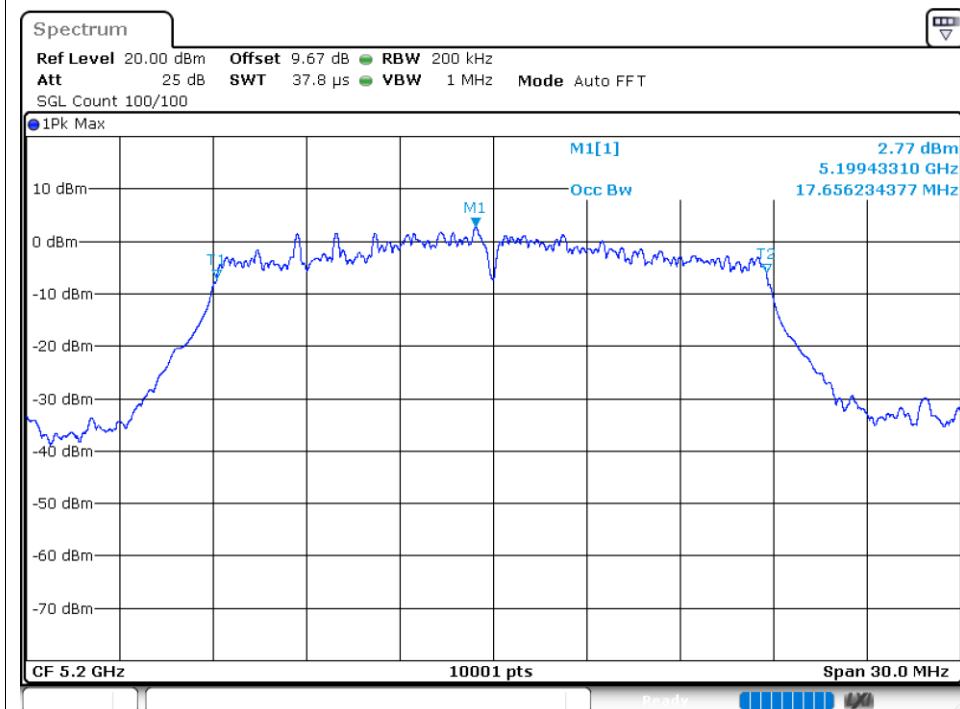
OBW NVNT n40 5230MHz Ant1



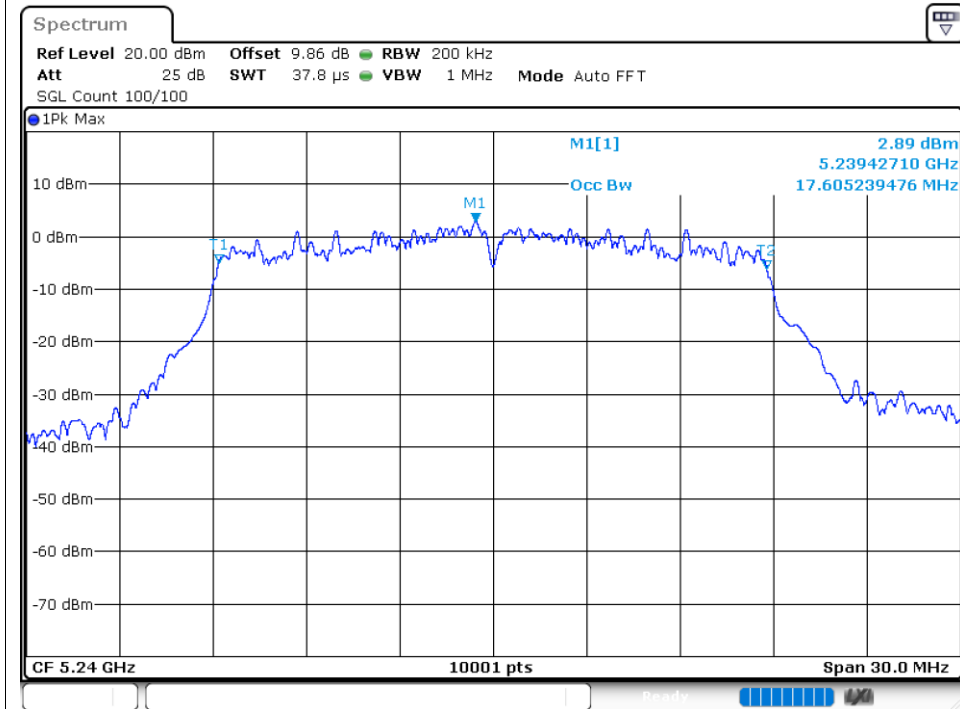
OBW NVNT ac20 5180MHz Ant1



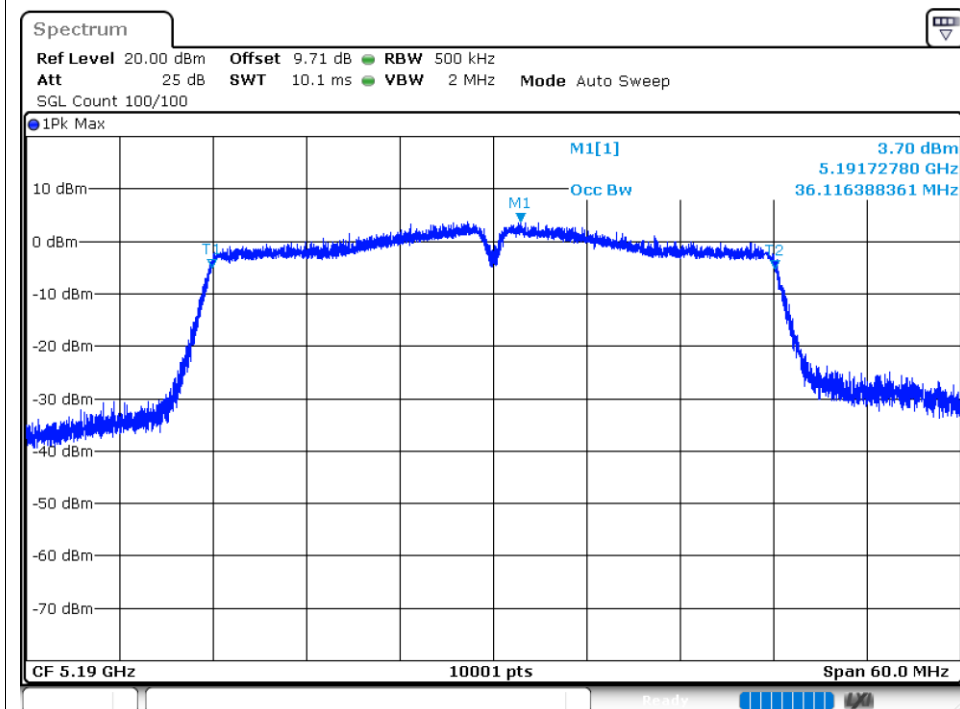
OBW NVNT ac20 5200MHz Ant1



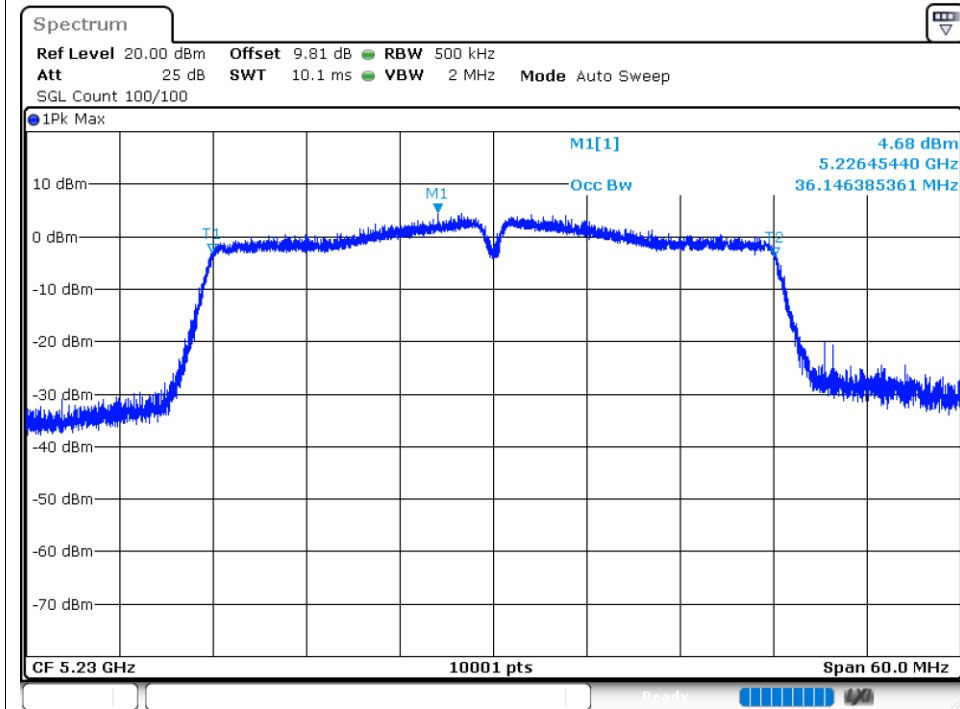
OBW NVNT ac20 5240MHz Ant1



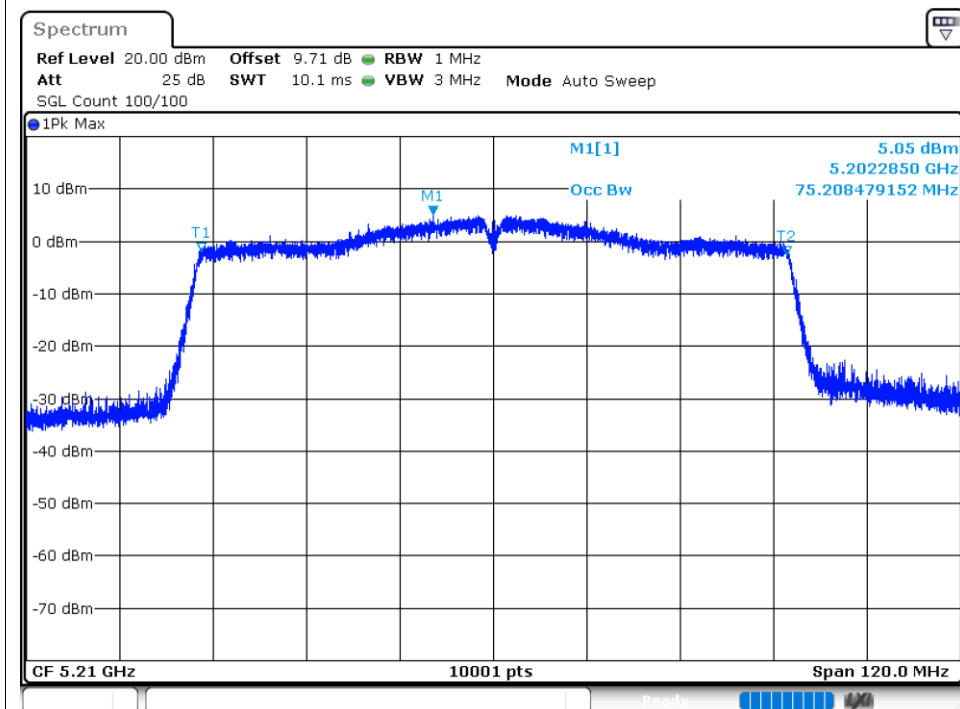
OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5230MHz Ant1



OBW NVNT ac80 5210MHz Ant1

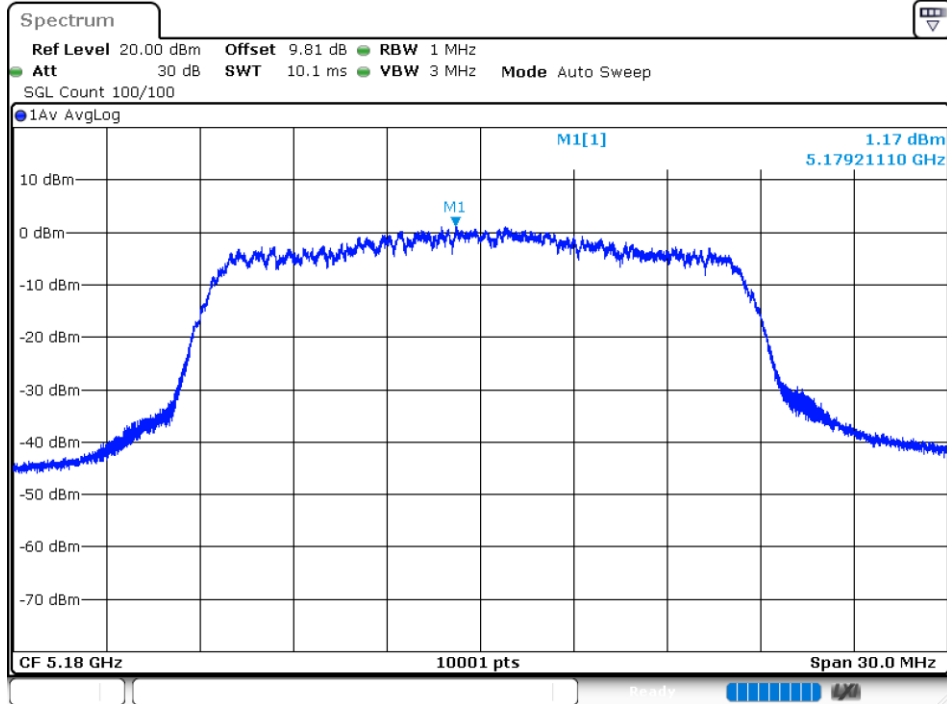


Maximum Power Spectral Density Level

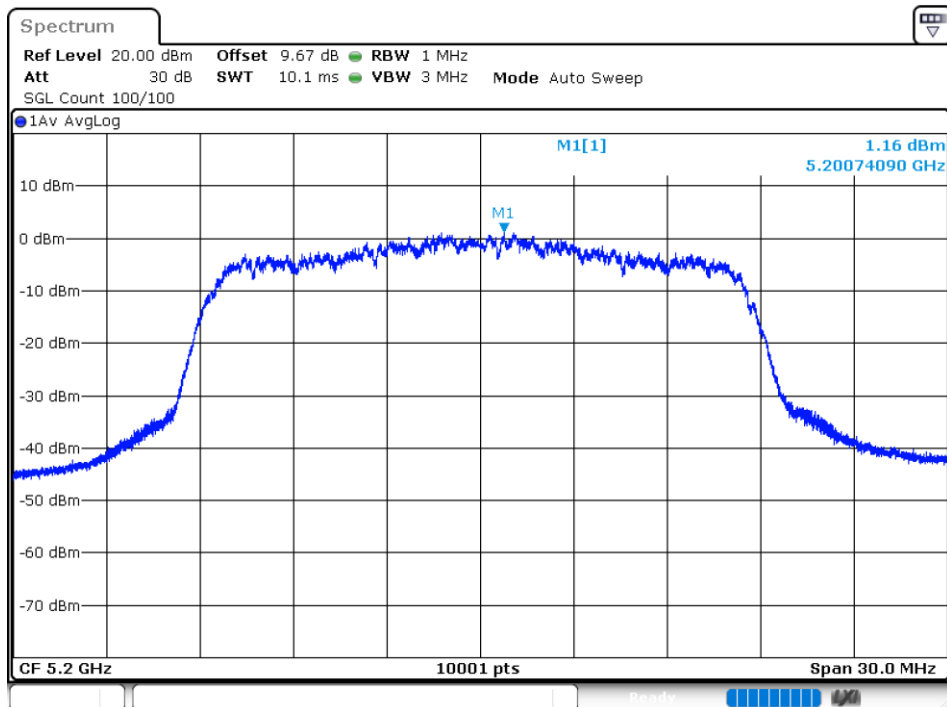
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.17	0.1	1.27	11	Pass
NVNT	a	5200	Ant1	1.16	0.1	1.26	11	Pass
NVNT	a	5240	Ant1	1.84	0.1	1.94	11	Pass
NVNT	n20	5180	Ant1	1.36	0.1	1.46	11	Pass
NVNT	n20	5200	Ant1	1.54	0.11	1.65	11	Pass
NVNT	n20	5240	Ant1	1.86	0.1	1.96	11	Pass
NVNT	n40	5190	Ant1	-2.11	0.2	-1.91	11	Pass
NVNT	n40	5230	Ant1	-1.93	0.2	-1.73	11	Pass
NVNT	ac20	5180	Ant1	1.11	0.1	1.21	11	Pass
NVNT	ac20	5200	Ant1	0.84	0.1	0.94	11	Pass
NVNT	ac20	5240	Ant1	1.65	0.1	1.75	11	Pass
NVNT	ac40	5190	Ant1	-3.27	0.21	-3.06	11	Pass
NVNT	ac40	5230	Ant1	-2.4	0.2	-2.2	11	Pass
NVNT	ac80	5210	Ant1	-7.04	0.39	-6.65	11	Pass

Test Graphs

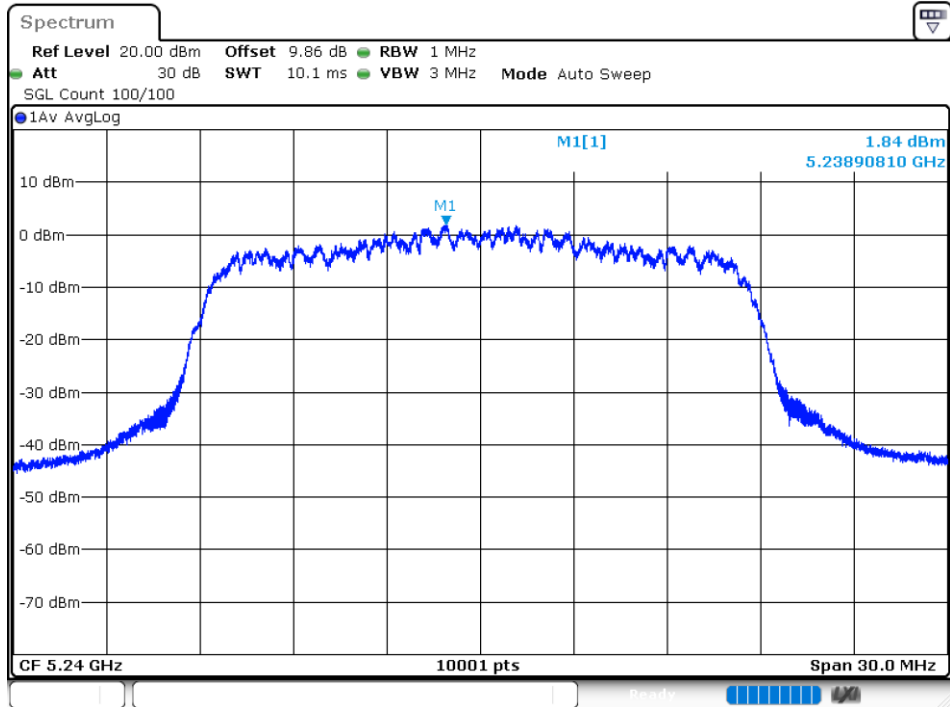
PSD NVNT a 5180MHz Ant1



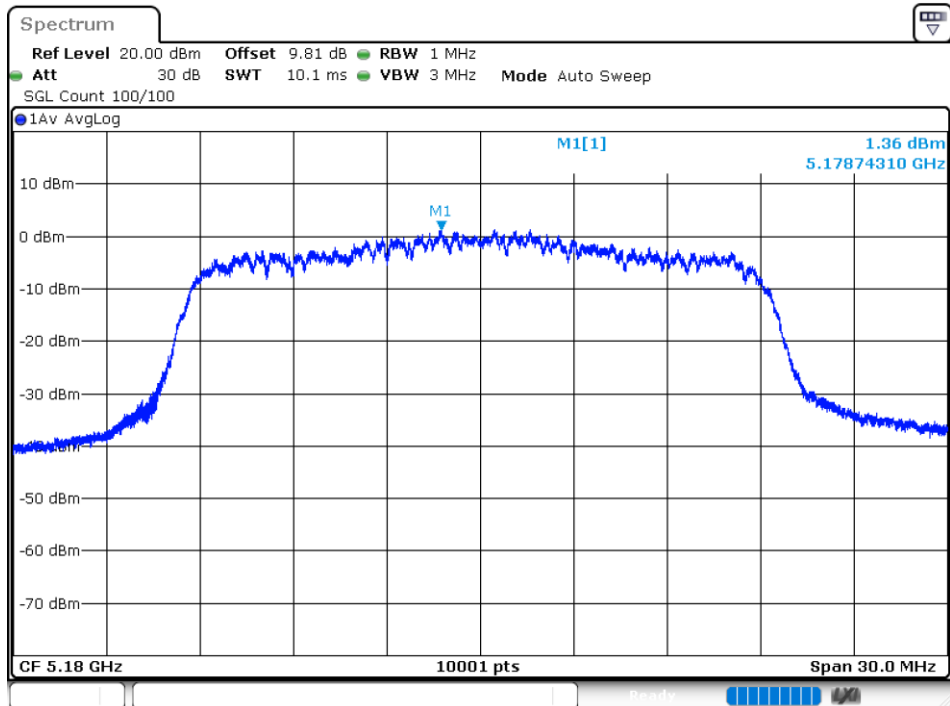
PSD NVNT a 5200MHz Ant1



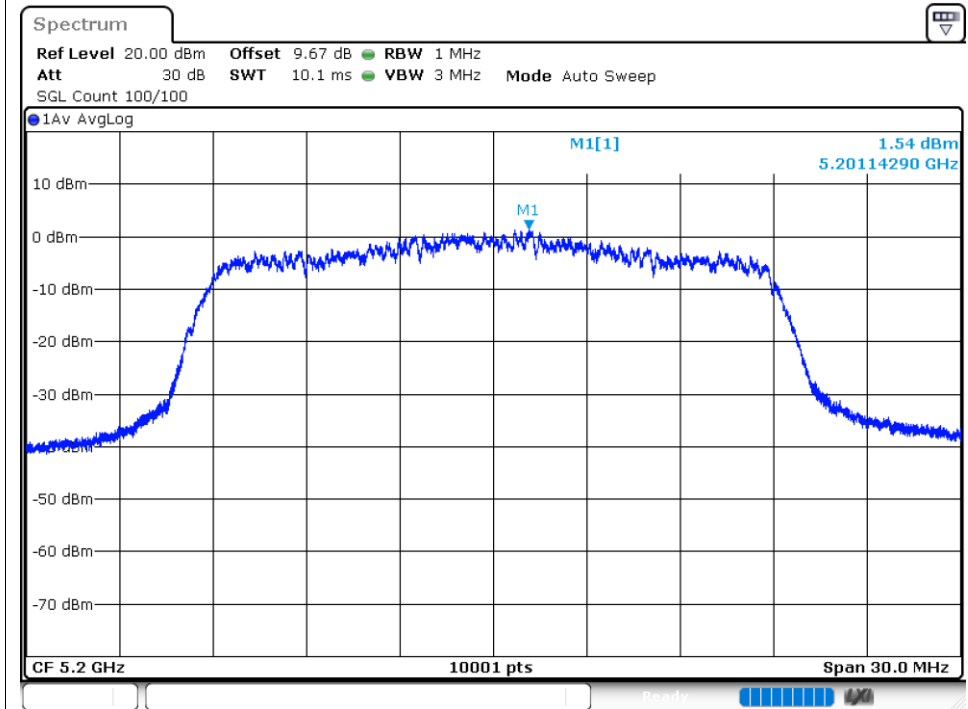
PSD NVNT a 5240MHz Ant1



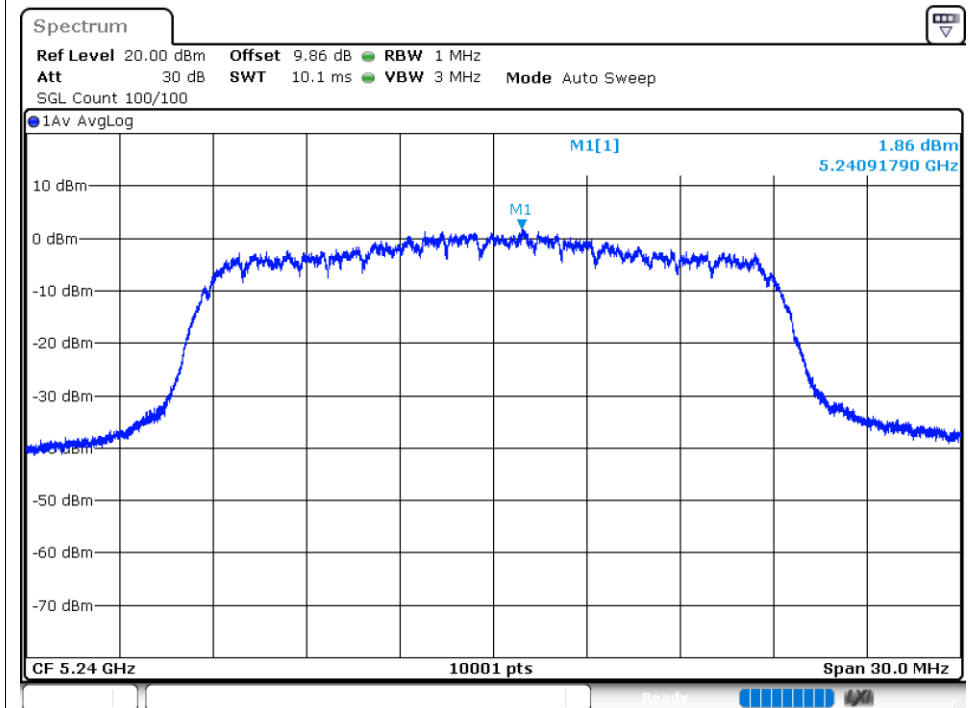
PSD NVNT n20 5180MHz Ant1



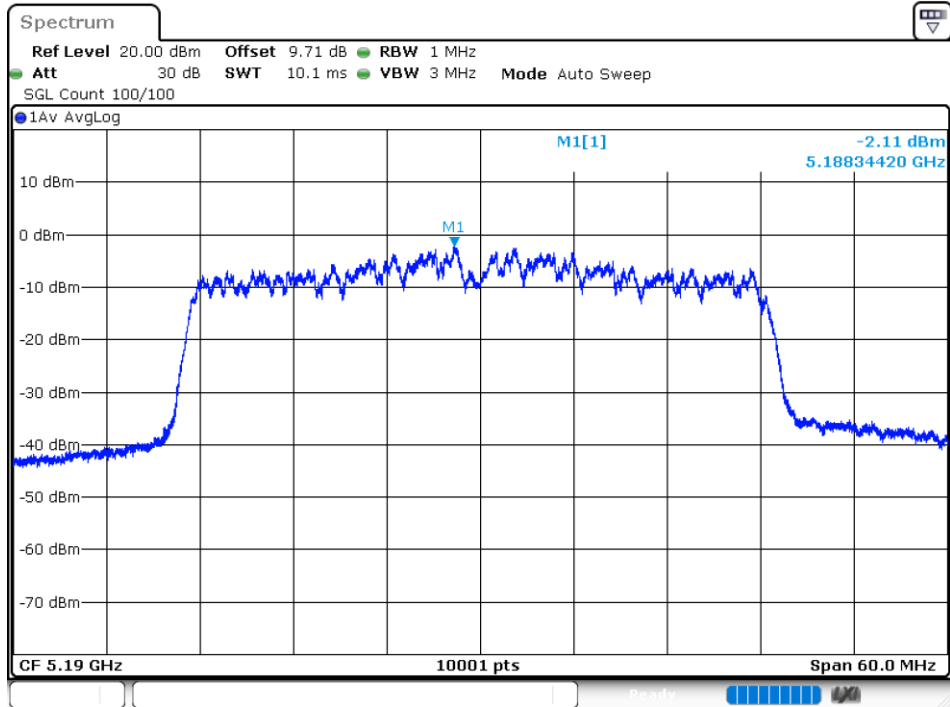
PSD NVNT n20 5200MHz Ant1



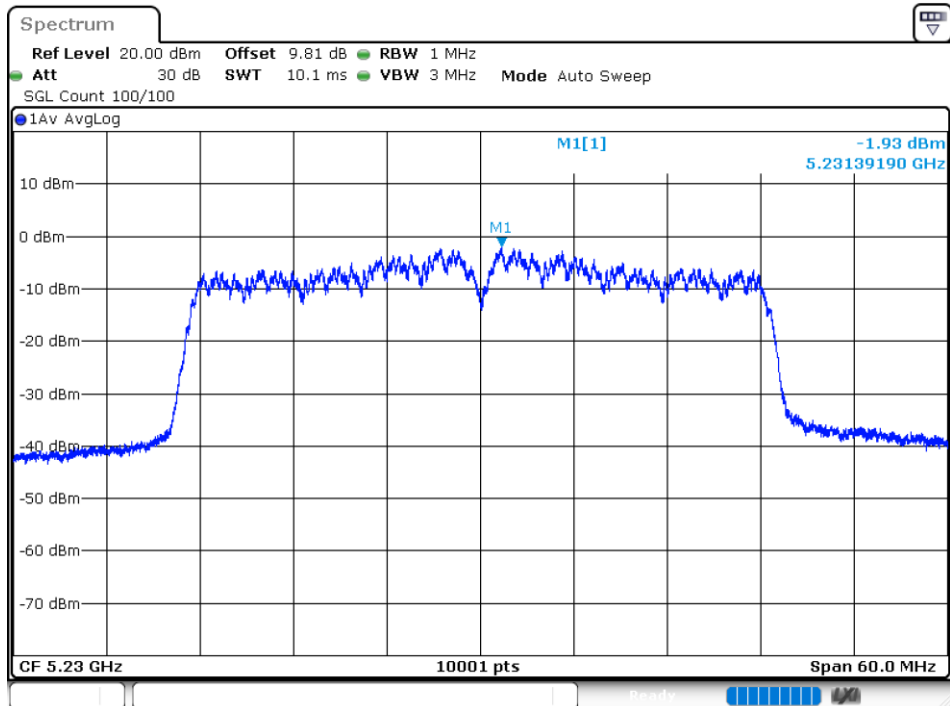
PSD NVNT n20 5240MHz Ant1



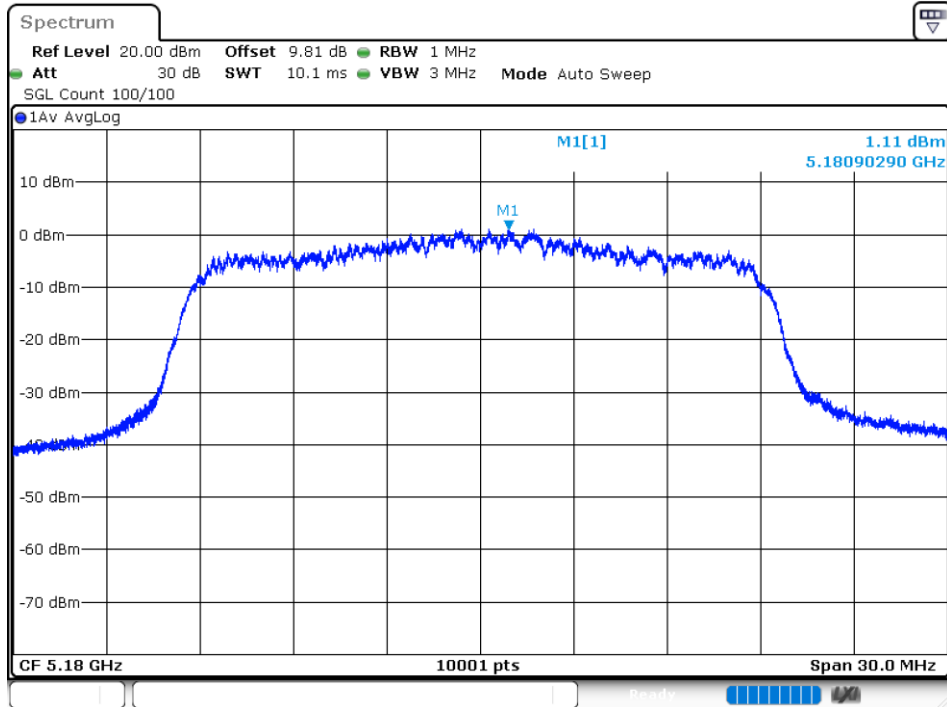
PSD NVNT n40 5190MHz Ant1



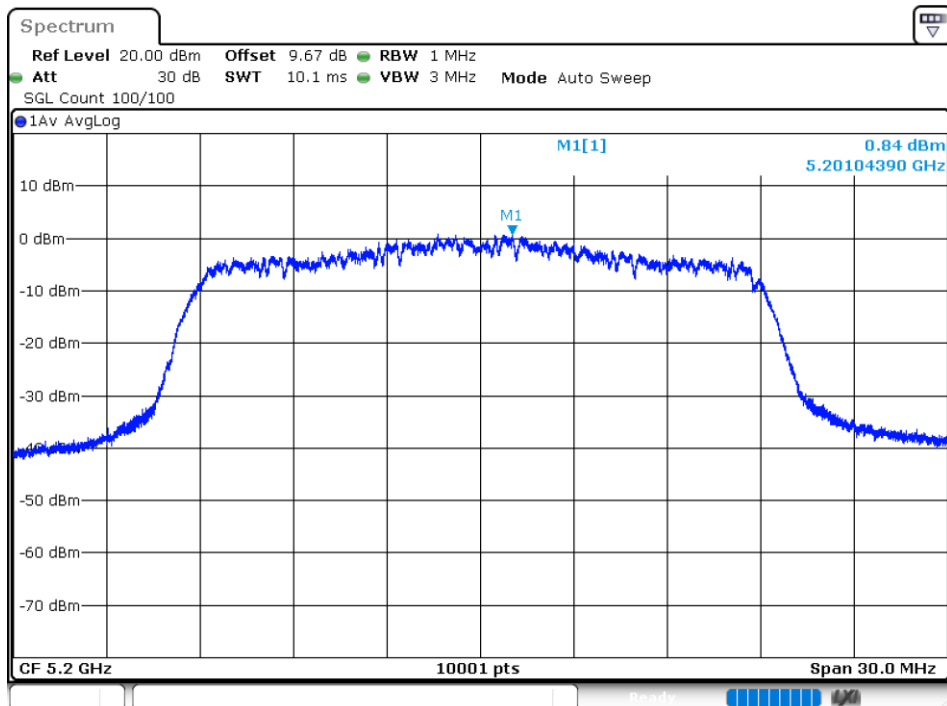
PSD NVNT n40 5230MHz Ant1



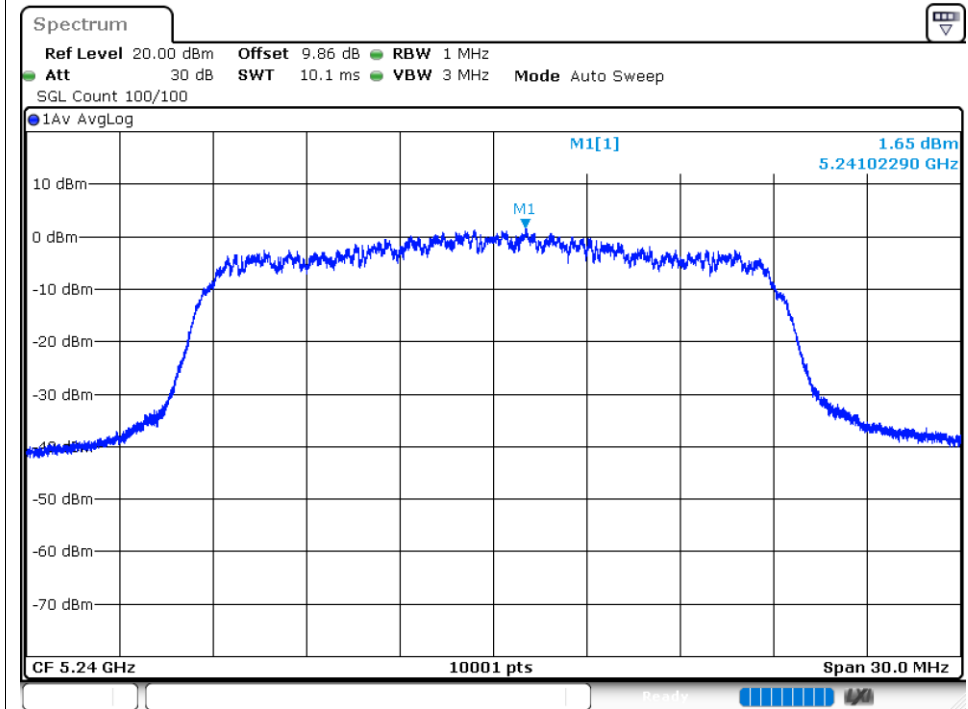
PSD NVNT ac20 5180MHz Ant1



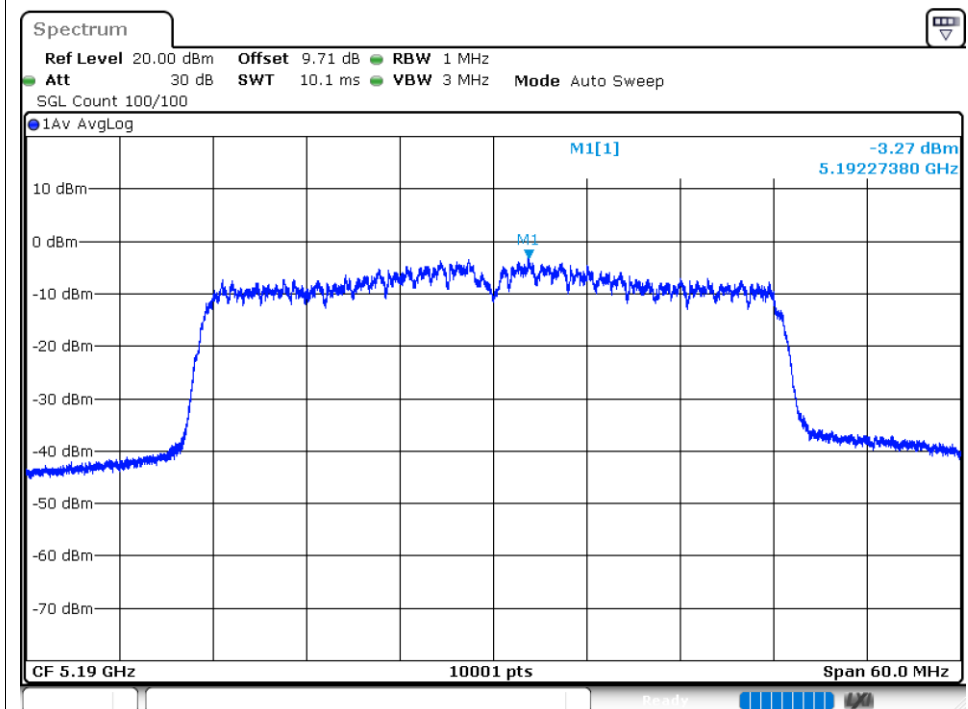
PSD NVNT ac20 5200MHz Ant1



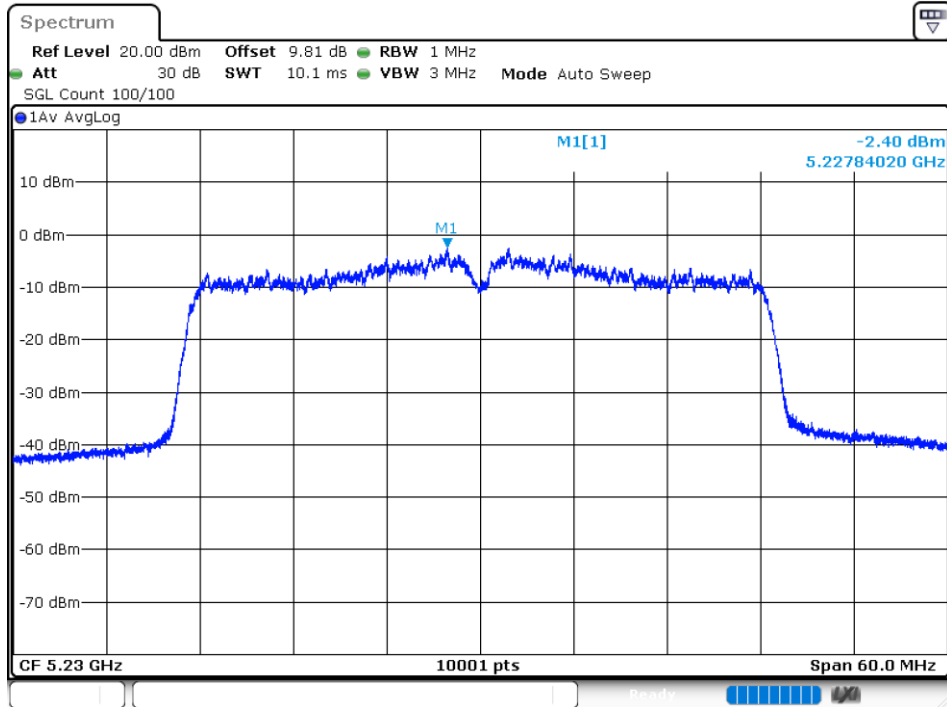
PSD NVNT ac20 5240MHz Ant1



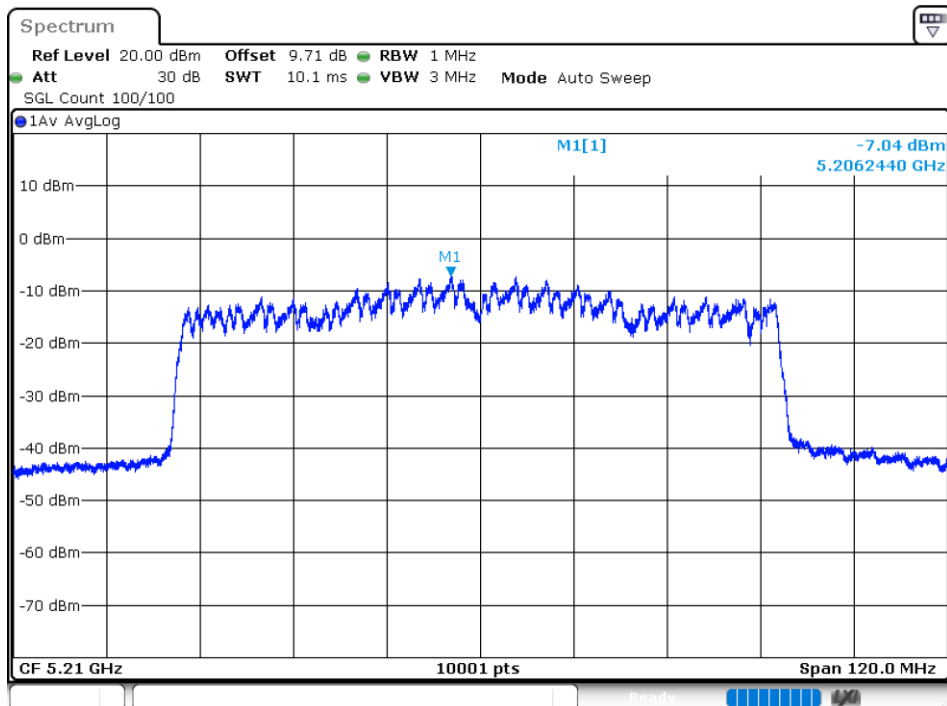
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1

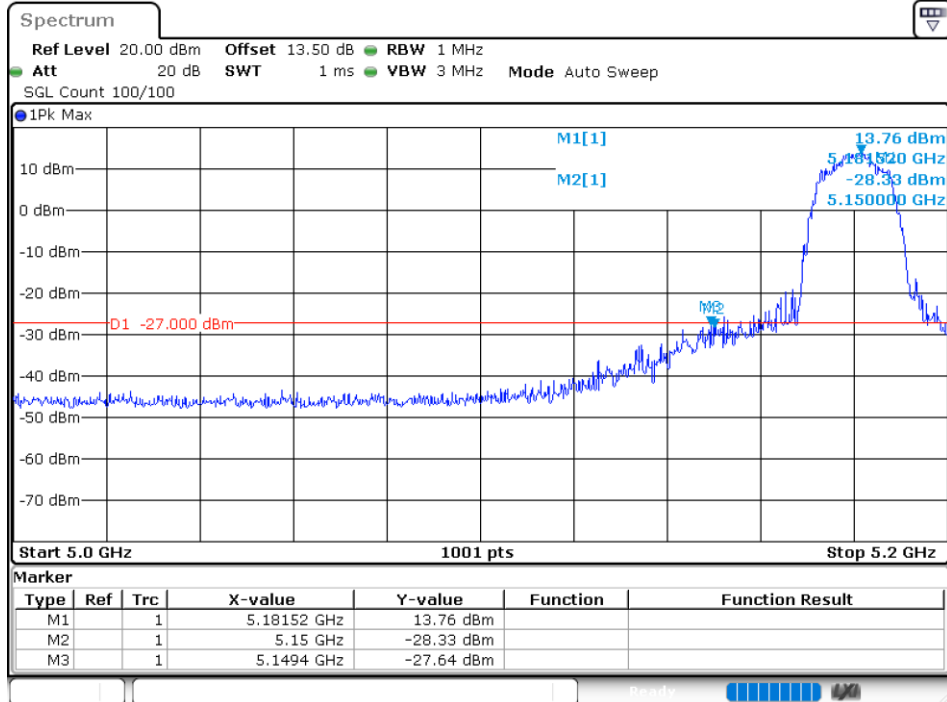


Band Edge

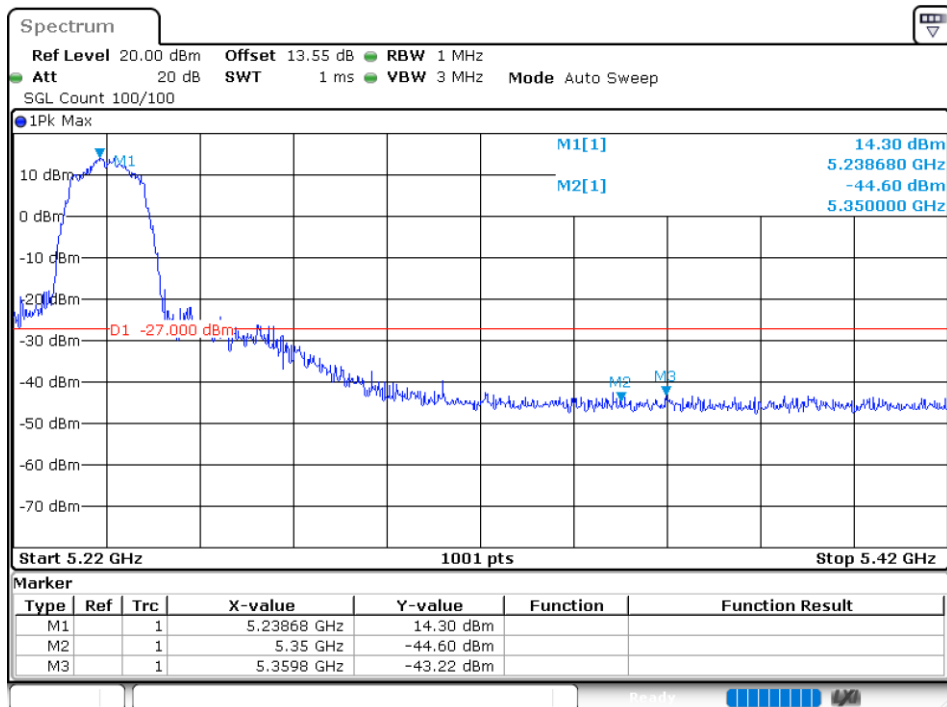
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-27.63	-27	Pass
NVNT	a	5240	Ant1	-43.21	-27	Pass
NVNT	n20	5180	Ant1	-27.73	-27	Pass
NVNT	n20	5240	Ant1	-42.92	-27	Pass
NVNT	n40	5190	Ant1	-28.99	-27	Pass
NVNT	n40	5230	Ant1	-42.13	-27	Pass
NVNT	ac20	5180	Ant1	-28.24	-27	Pass
NVNT	ac20	5240	Ant1	-42.78	-27	Pass
NVNT	ac40	5190	Ant1	-30.33	-27	Pass
NVNT	ac40	5230	Ant1	-41.85	-27	Pass
NVNT	ac80	5210	Ant1	-39.28	-27	Pass

Test Graphs

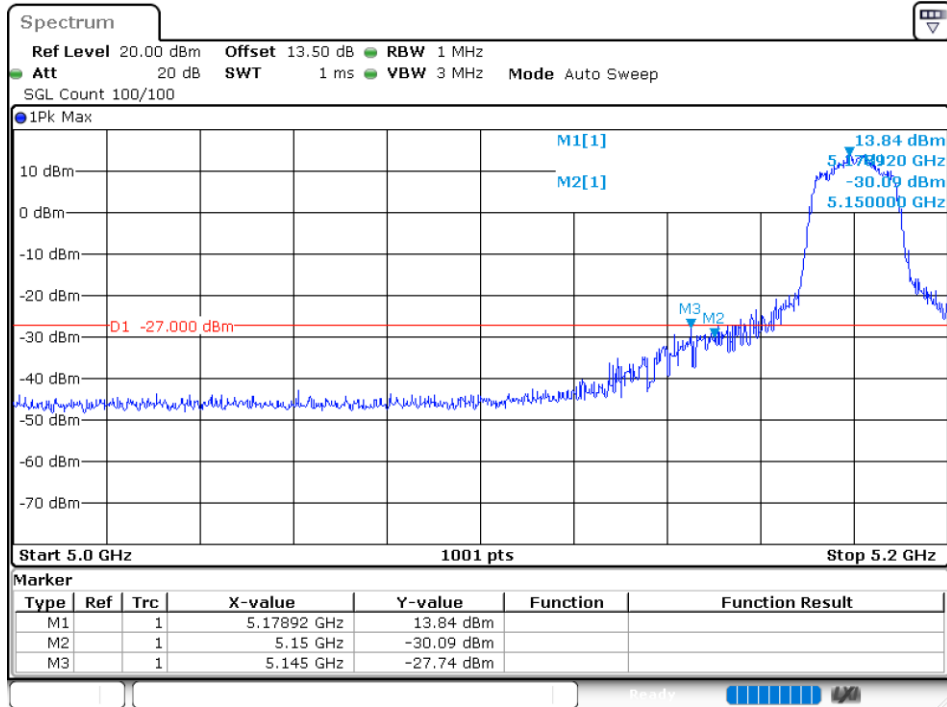
Band Edge NVNT a 5180MHz Low Ant1



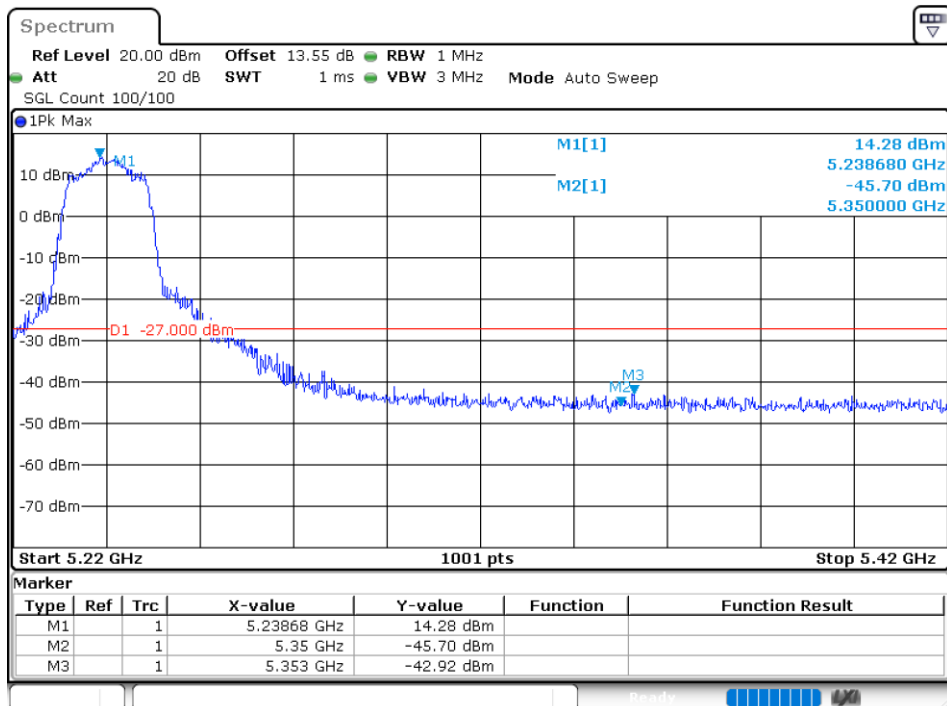
Band Edge NVNT a 5240MHz High Ant1



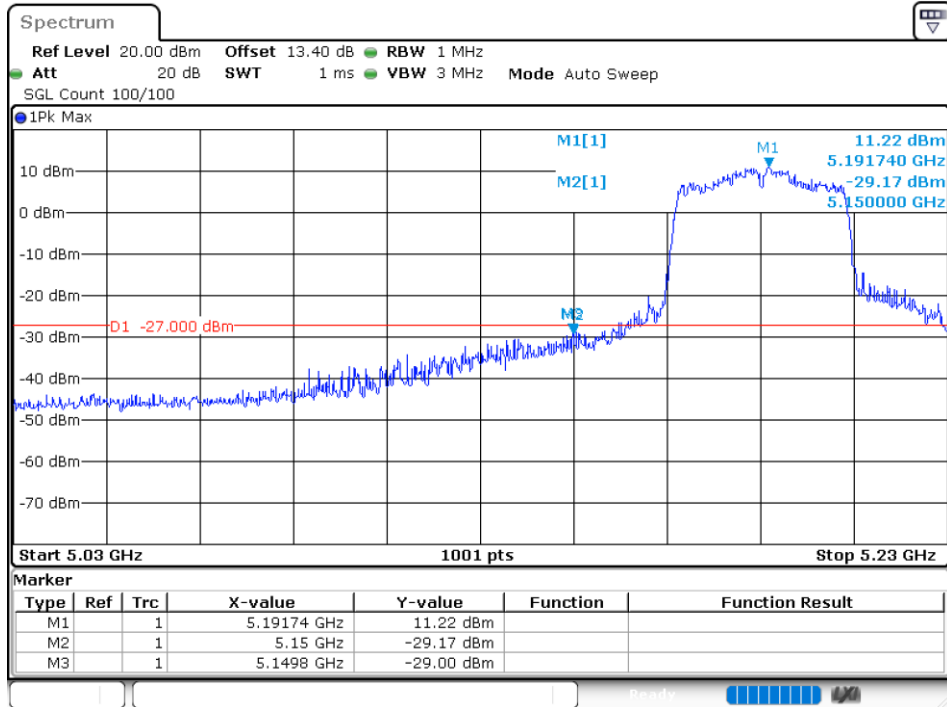
Band Edge NVNT n20 5180MHz Low Ant1



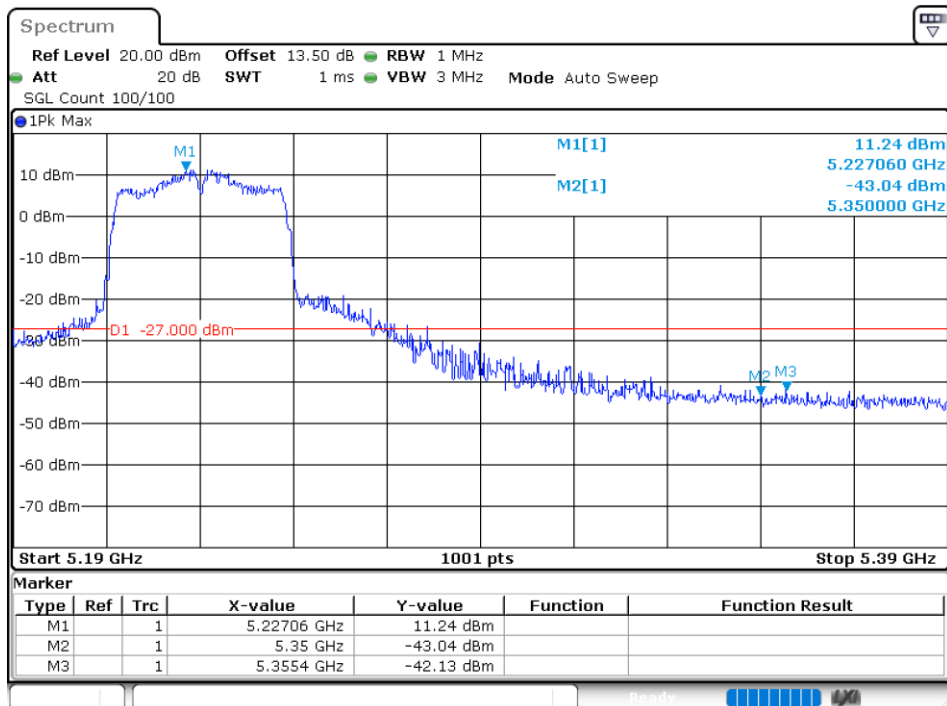
Band Edge NVNT n20 5240MHz High Ant1



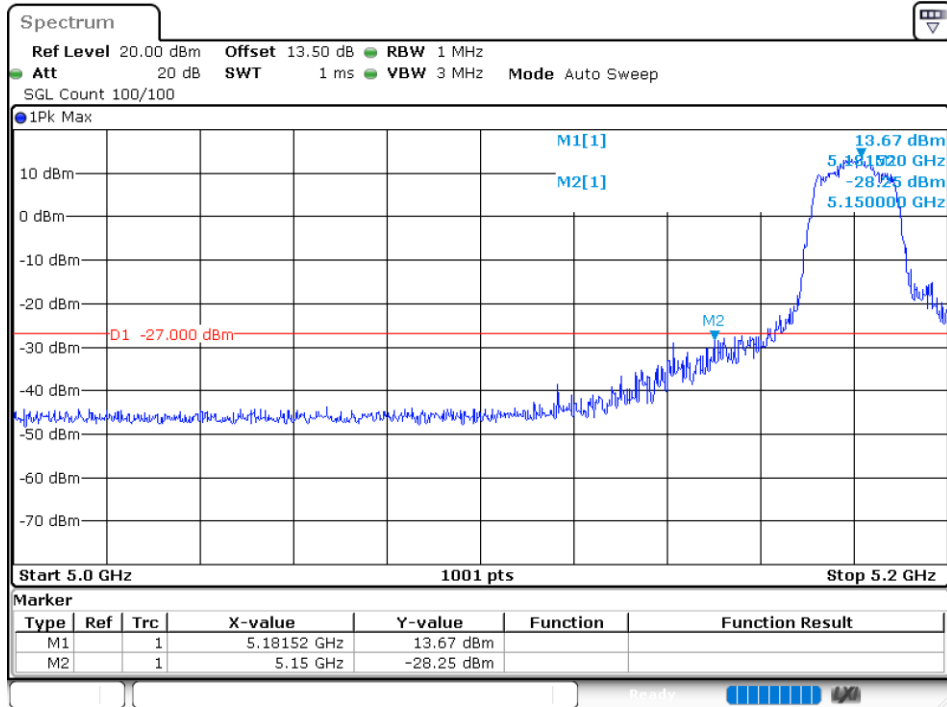
Band Edge NVNT n40 5190MHz Low Ant1



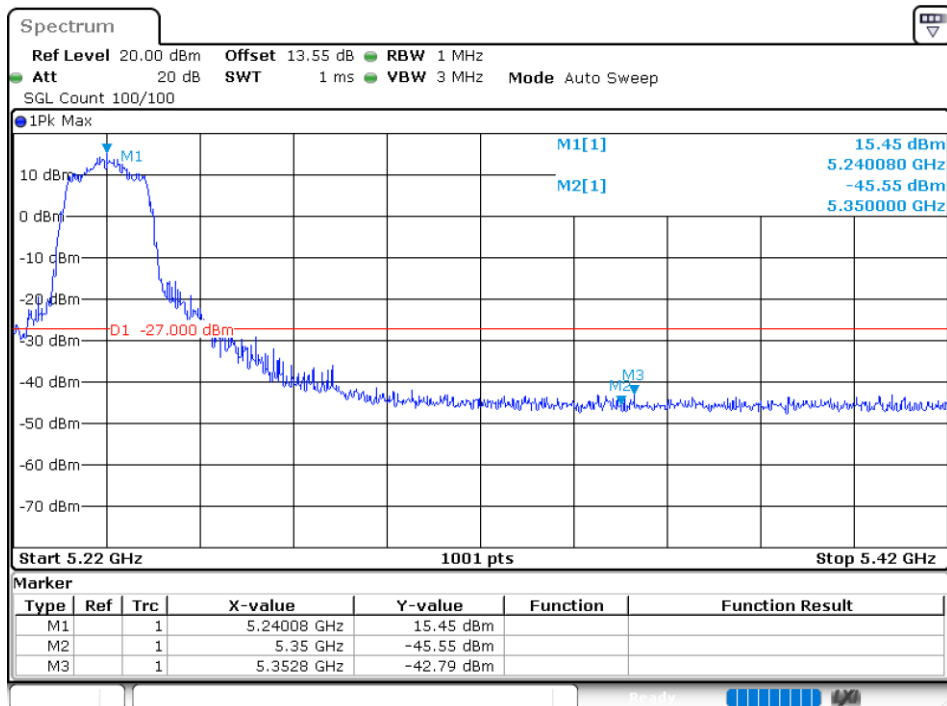
Band Edge NVNT n40 5230MHz High Ant1



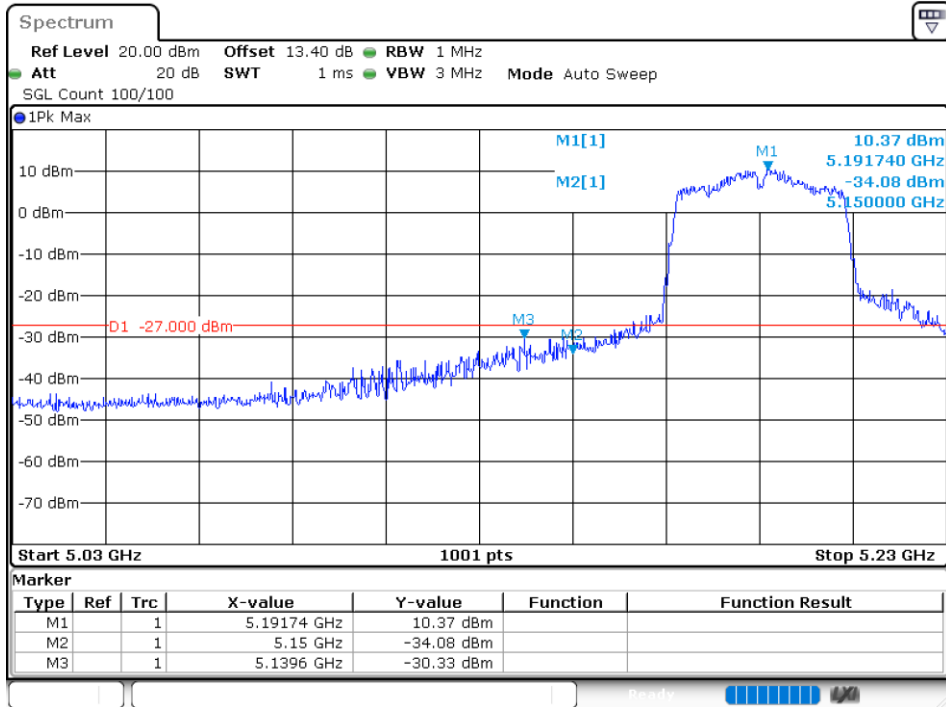
Band Edge NVNT ac20 5180MHz Low Ant1



Band Edge NVNT ac20 5240MHz High Ant1



Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1

