

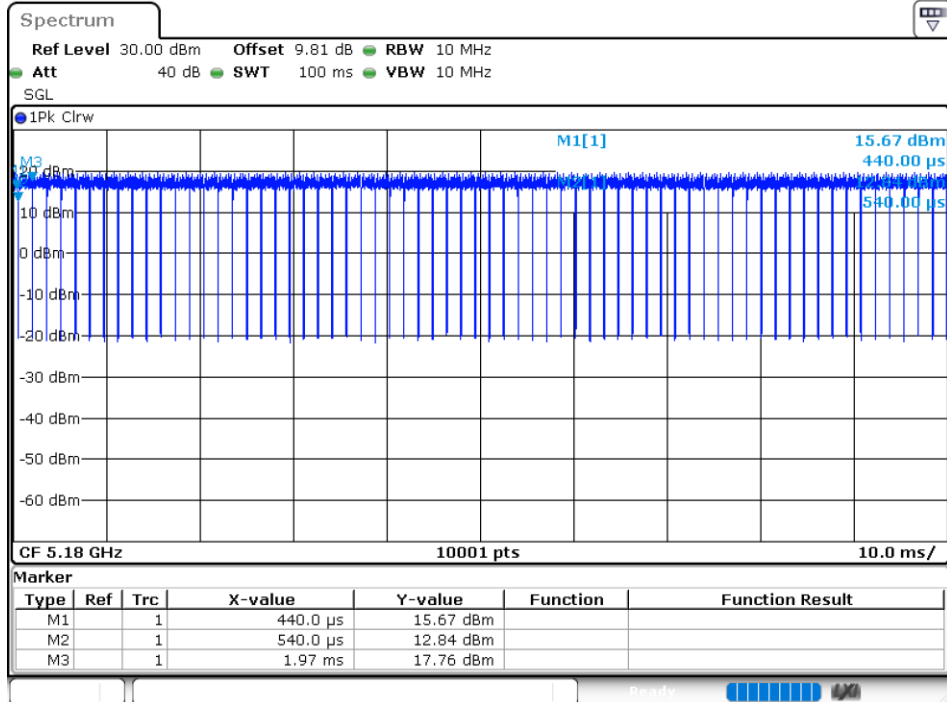
5.2G WIFI

Duty Cycle

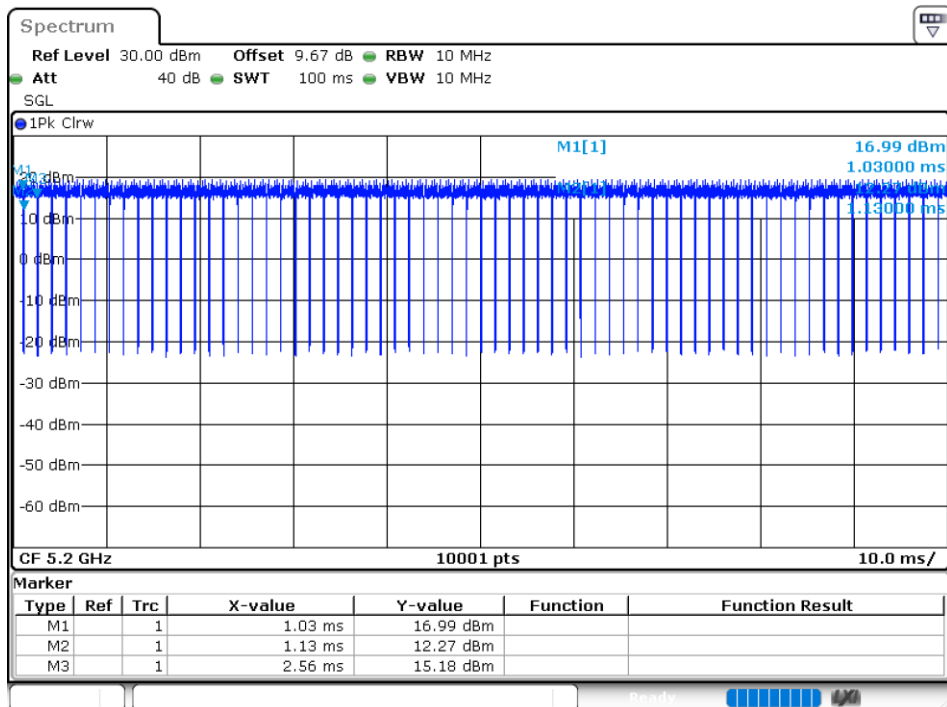
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	93.96	0.27	0.7
NVNT	a	5200	Ant1	94.06	0.27	0.7
NVNT	a	5240	Ant1	93.97	0.27	0.7
NVNT	n20	5180	Ant1	65.97	1.81	5.88
NVNT	n20	5200	Ant1	66.03	1.8	5.88
NVNT	n20	5240	Ant1	66.04	1.8	5.88
NVNT	n40	5190	Ant1	88.02	0.55	1.49
NVNT	n40	5230	Ant1	88.02	0.55	1.52
NVNT	ac20	5180	Ant1	63.86	1.95	6.25
NVNT	ac20	5200	Ant1	63.78	1.95	6.67
NVNT	ac20	5240	Ant1	63.91	1.94	6.67
NVNT	ac40	5190	Ant1	88.14	0.55	1.49
NVNT	ac40	5230	Ant1	88.14	0.55	1.49
NVNT	ac80	5210	Ant1	78.97	1.03	3.03

Test Graphs

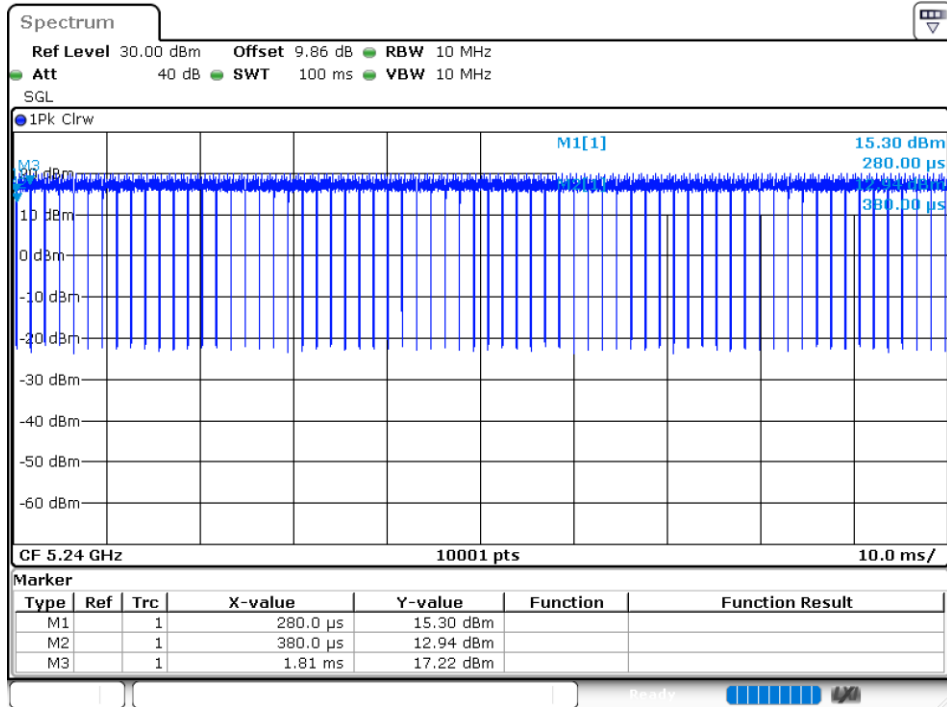
Duty Cycle NVNT a 5180MHz Ant1



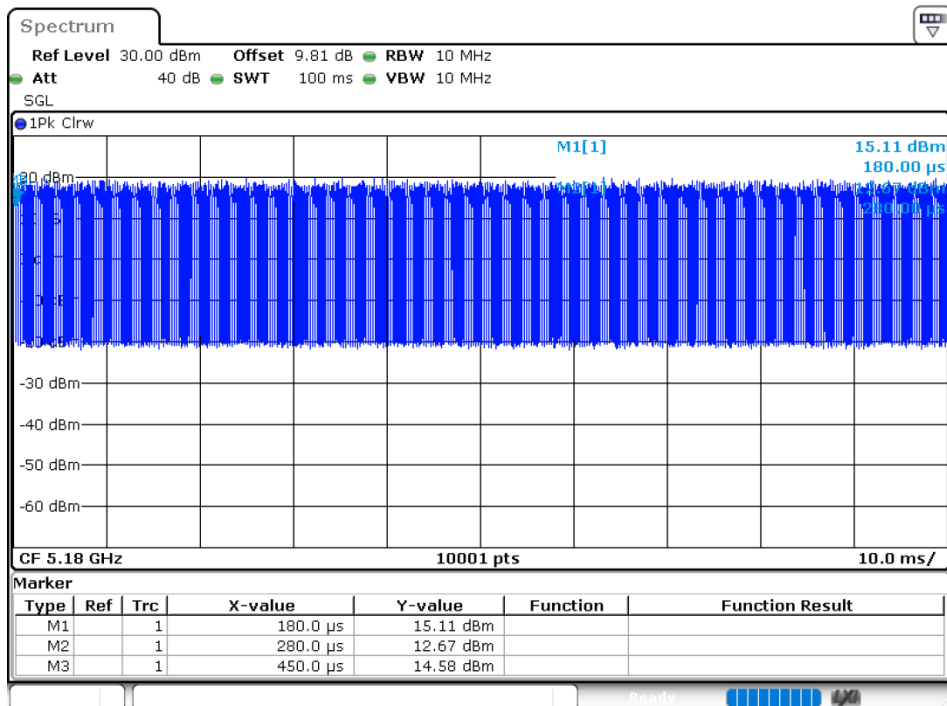
Duty Cycle NVNT a 5200MHz Ant1



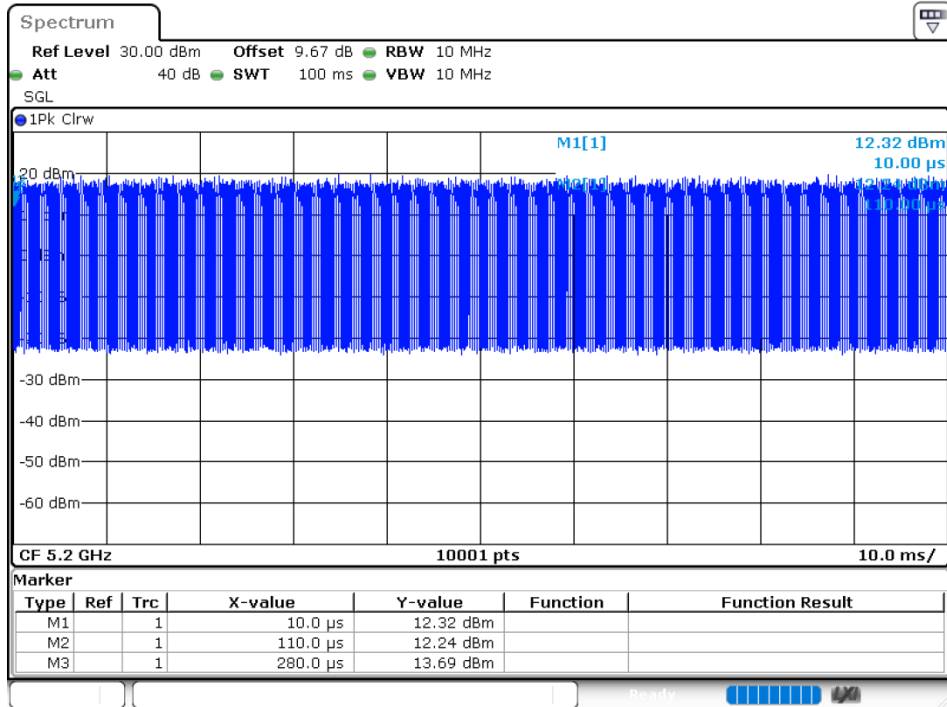
Duty Cycle NVNT a 5240MHz Ant1



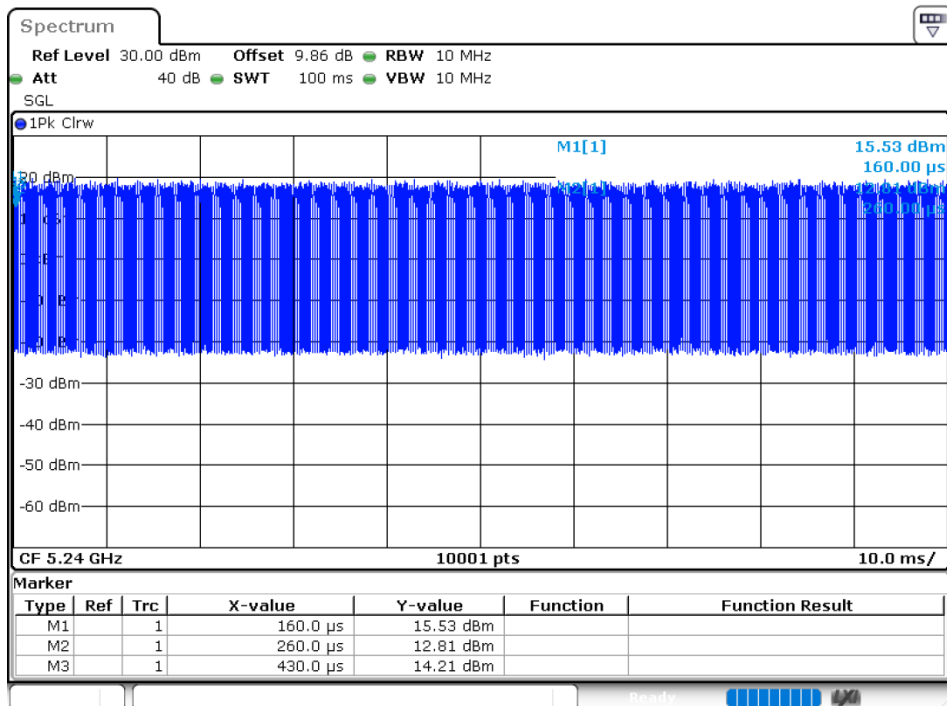
Duty Cycle NVNT n20 5180MHz Ant1



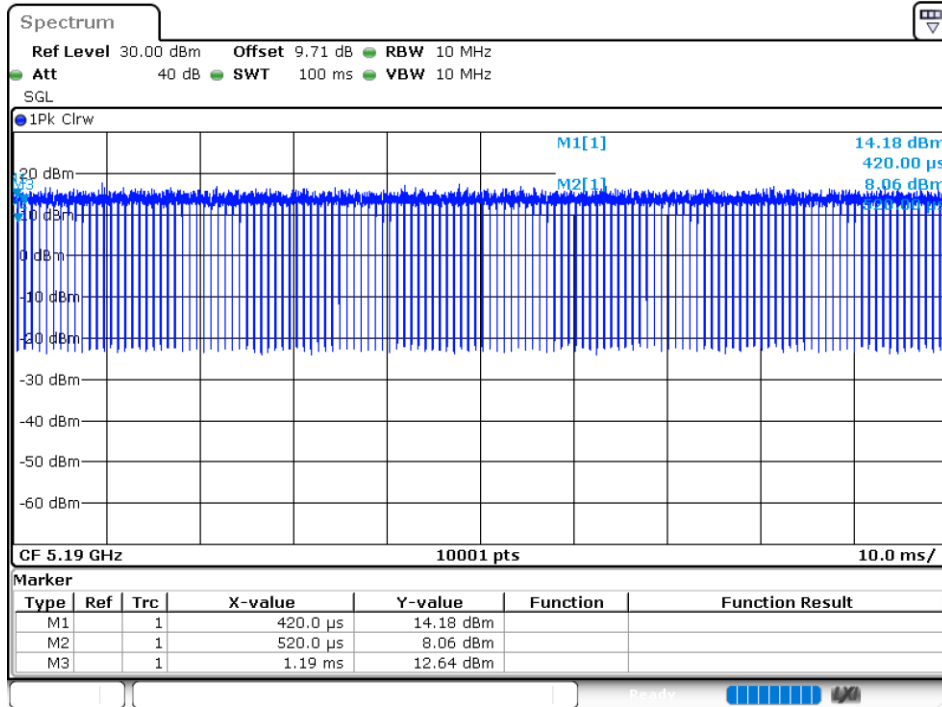
Duty Cycle NVNT n20 5200MHz Ant1



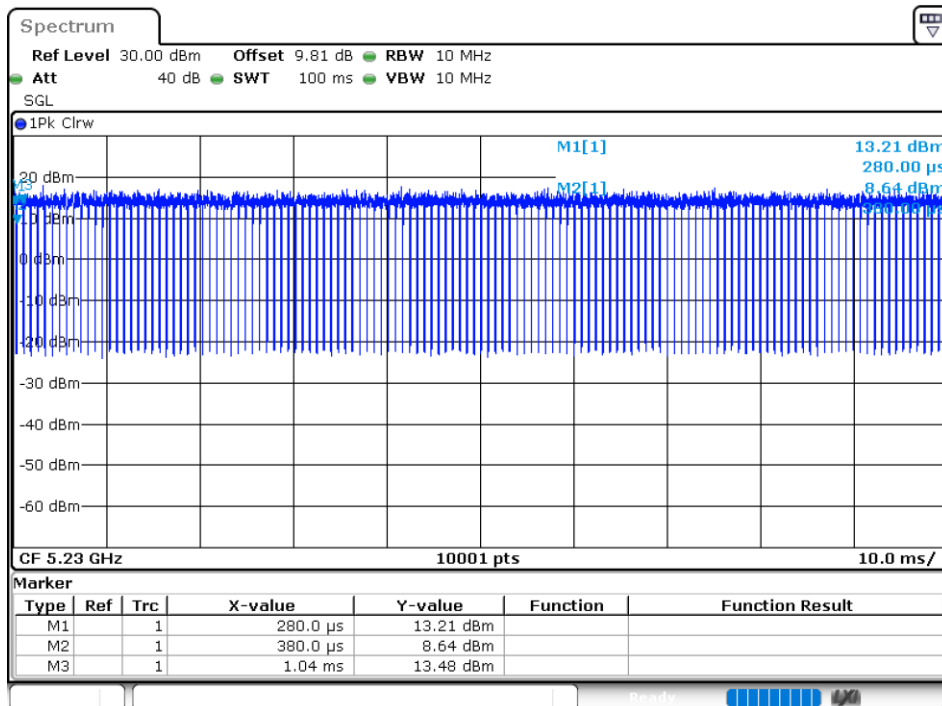
Duty Cycle NVNT n20 5240MHz Ant1



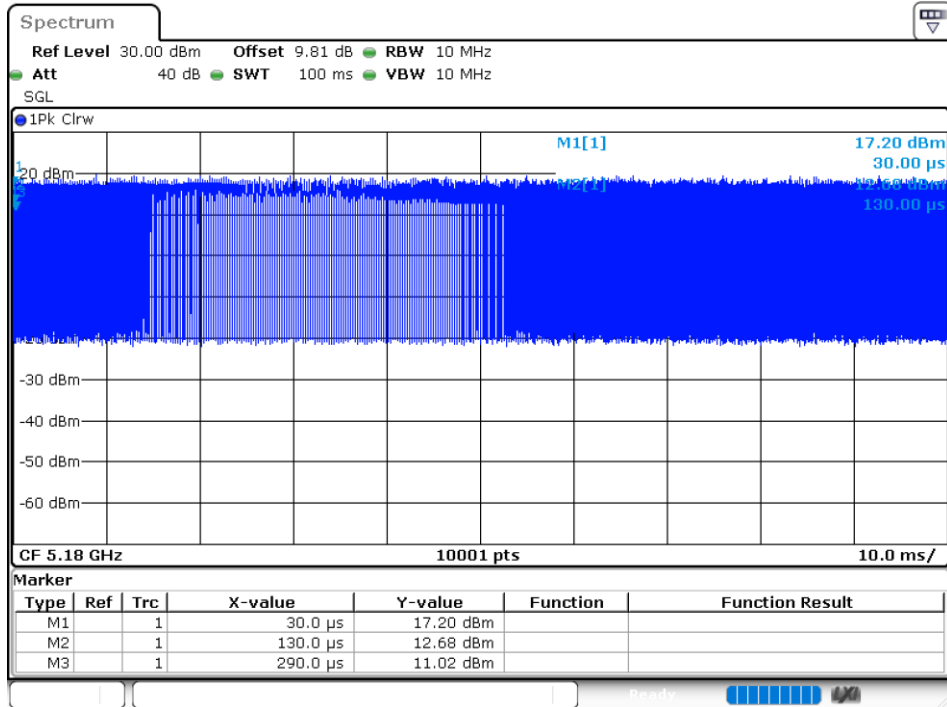
Duty Cycle NVNT n40 5190MHz Ant1



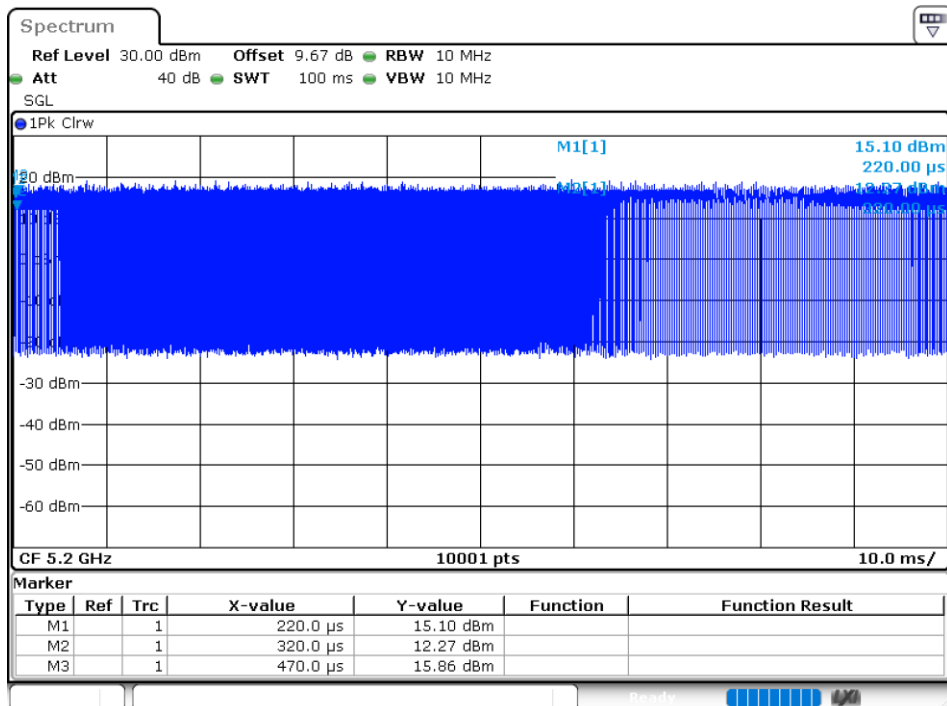
Duty Cycle NVNT n40 5230MHz Ant1



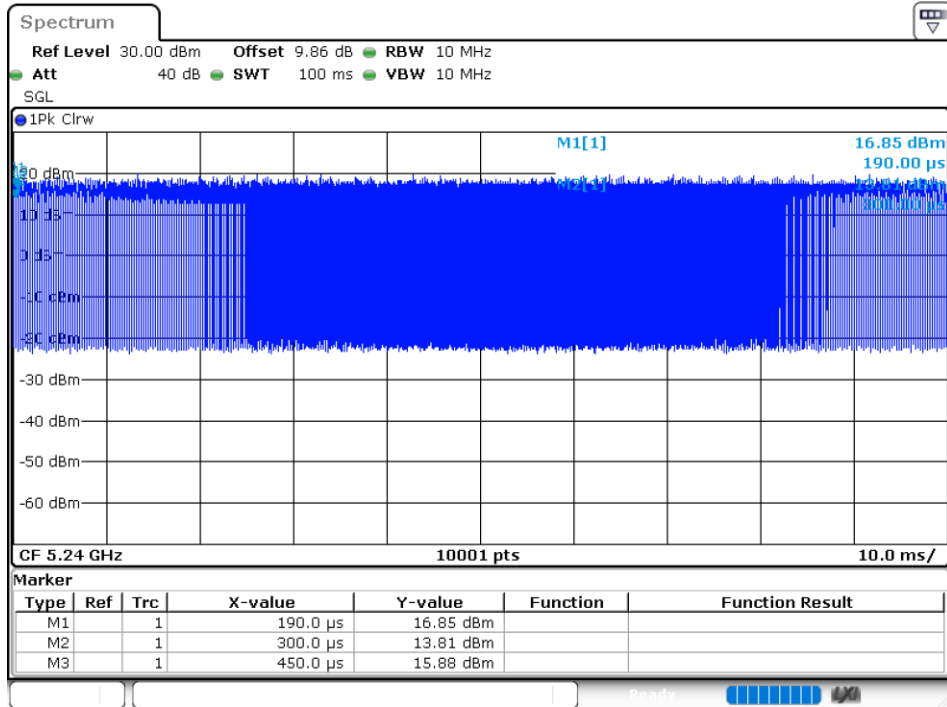
Duty Cycle NVNT ac20 5180MHz Ant1



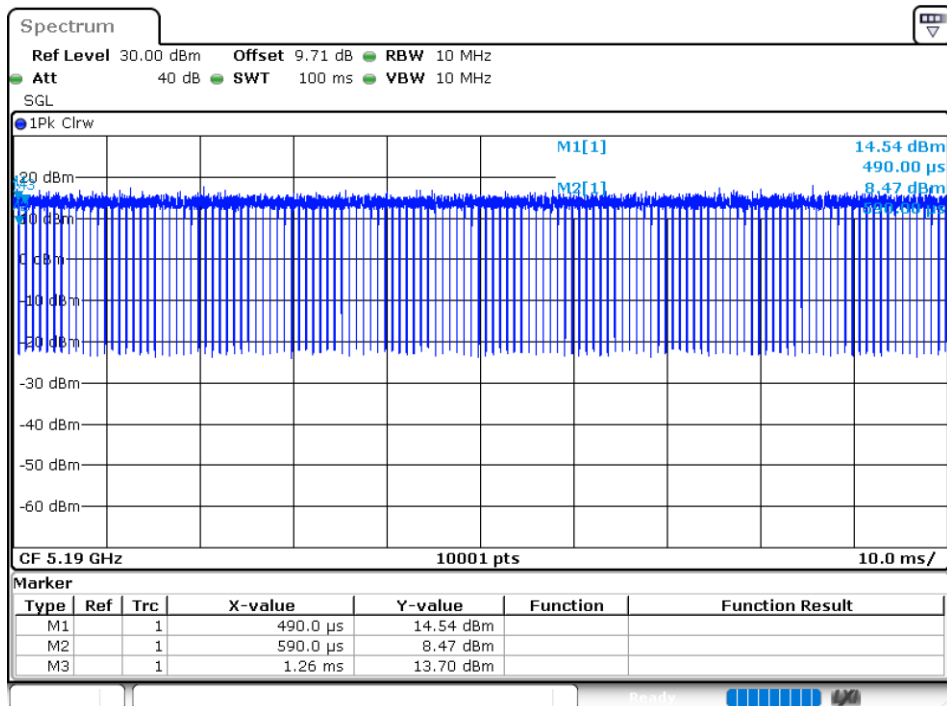
Duty Cycle NVNT ac20 5200MHz Ant1



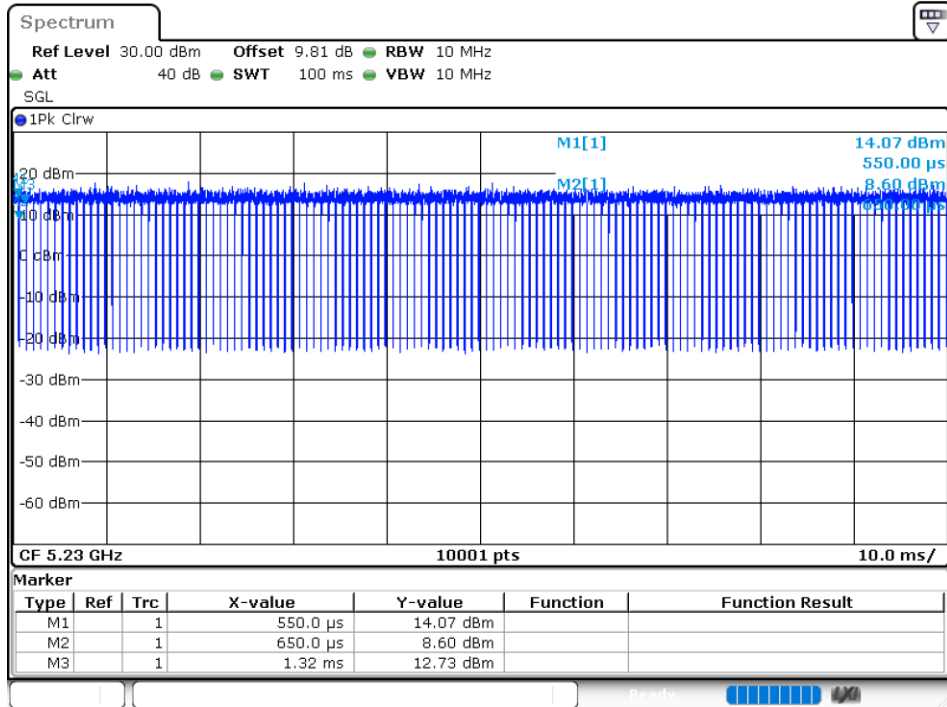
Duty Cycle NVNT ac20 5240MHz Ant1



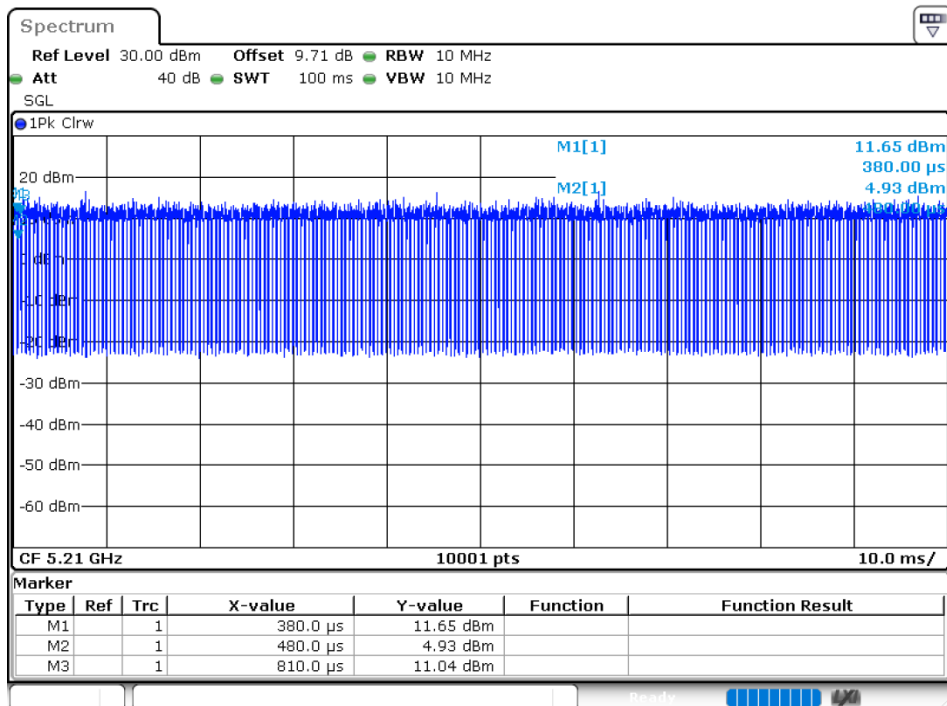
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1



Maximum Conducted Output Power

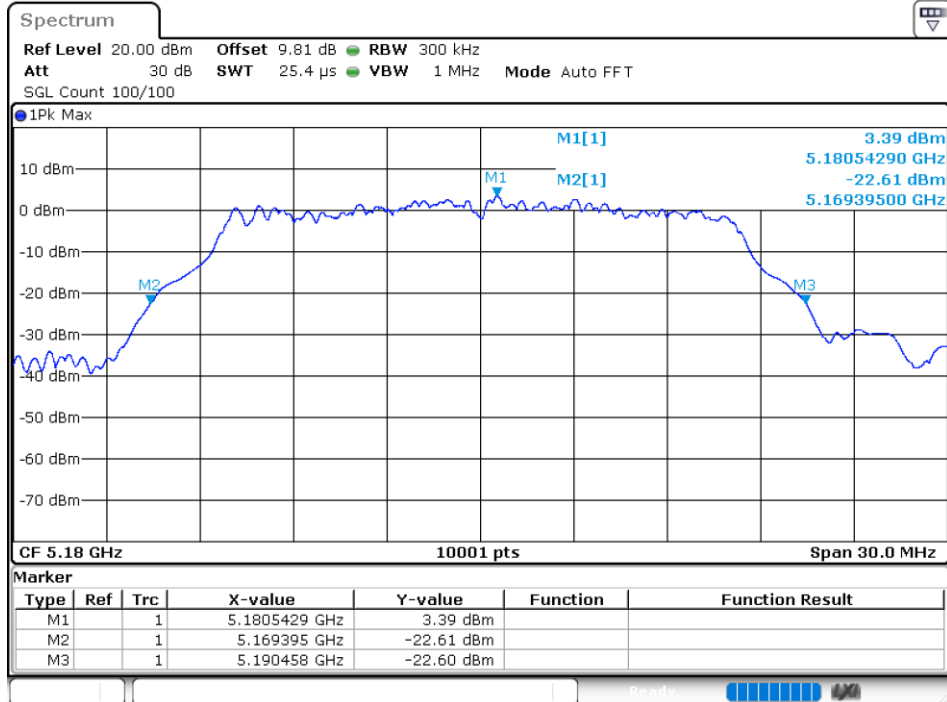
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.64	0.27	10.91	24	Pass
NVNT	a	5200	Ant1	10.47	0.27	10.74	24	Pass
NVNT	a	5240	Ant1	10.66	0.27	10.93	24	Pass
NVNT	n20	5180	Ant1	10.48	1.81	12.29	24	Pass
NVNT	n20	5200	Ant1	10.36	1.8	12.16	24	Pass
NVNT	n20	5240	Ant1	10.38	1.8	12.18	24	Pass
NVNT	n40	5190	Ant1	10.02	0.55	10.57	24	Pass
NVNT	n40	5230	Ant1	10.3	0.55	10.85	24	Pass
NVNT	ac20	5180	Ant1	10.59	1.95	12.54	24	Pass
NVNT	ac20	5200	Ant1	10.17	1.95	12.12	24	Pass
NVNT	ac20	5240	Ant1	10.35	1.94	12.29	24	Pass
NVNT	ac40	5190	Ant1	10.08	0.55	10.63	24	Pass
NVNT	ac40	5230	Ant1	10.5	0.55	11.05	24	Pass
NVNT	ac80	5210	Ant1	10.52	1.03	11.55	24	Pass

-26dB Bandwidth

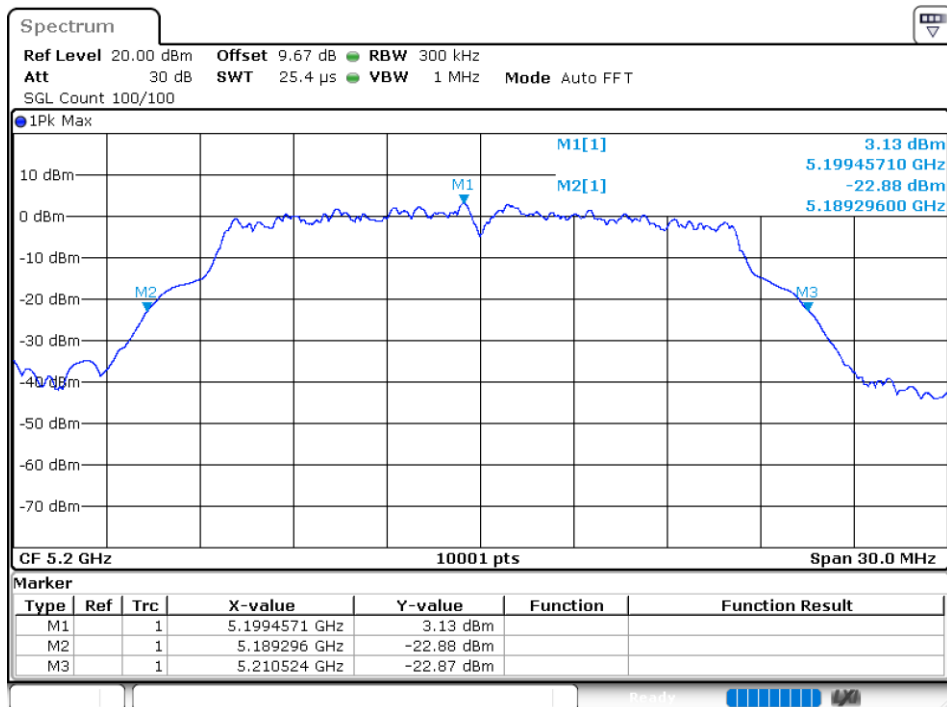
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	21.063
NVNT	a	5200	Ant1	21.228
NVNT	a	5240	Ant1	21.048
NVNT	n20	5180	Ant1	21.06
NVNT	n20	5200	Ant1	21.336
NVNT	n20	5240	Ant1	20.979
NVNT	n40	5190	Ant1	39.942
NVNT	n40	5230	Ant1	40.2
NVNT	ac20	5180	Ant1	21.099
NVNT	ac20	5200	Ant1	20.928
NVNT	ac20	5240	Ant1	20.976
NVNT	ac40	5190	Ant1	40.26
NVNT	ac40	5230	Ant1	40.134
NVNT	ac80	5210	Ant1	82.392

Test Graphs

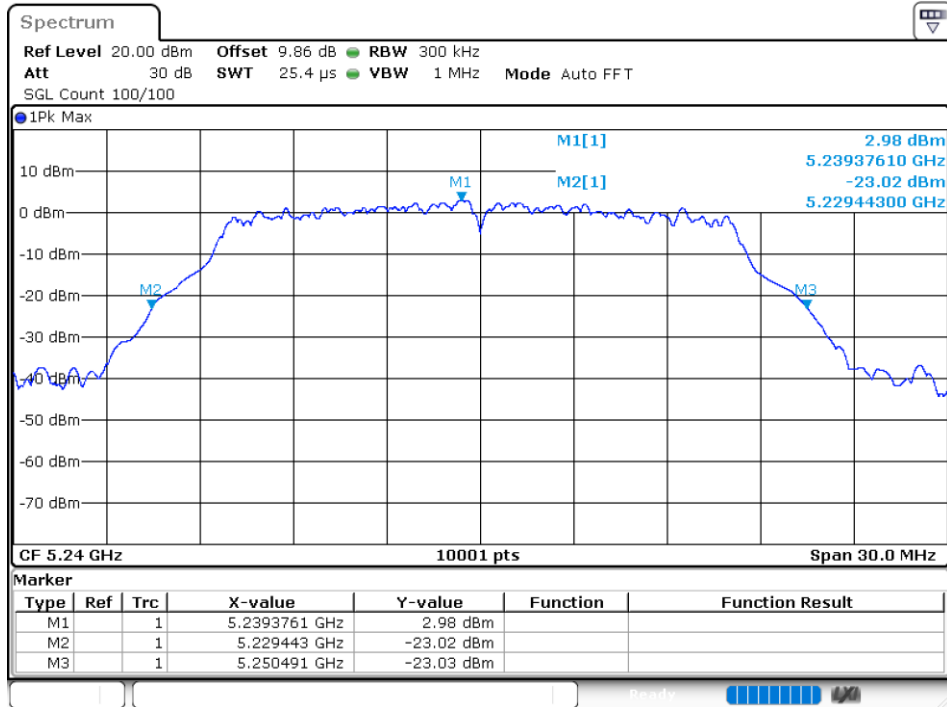
-26dB Bandwidth NVNT a 5180MHz Ant1



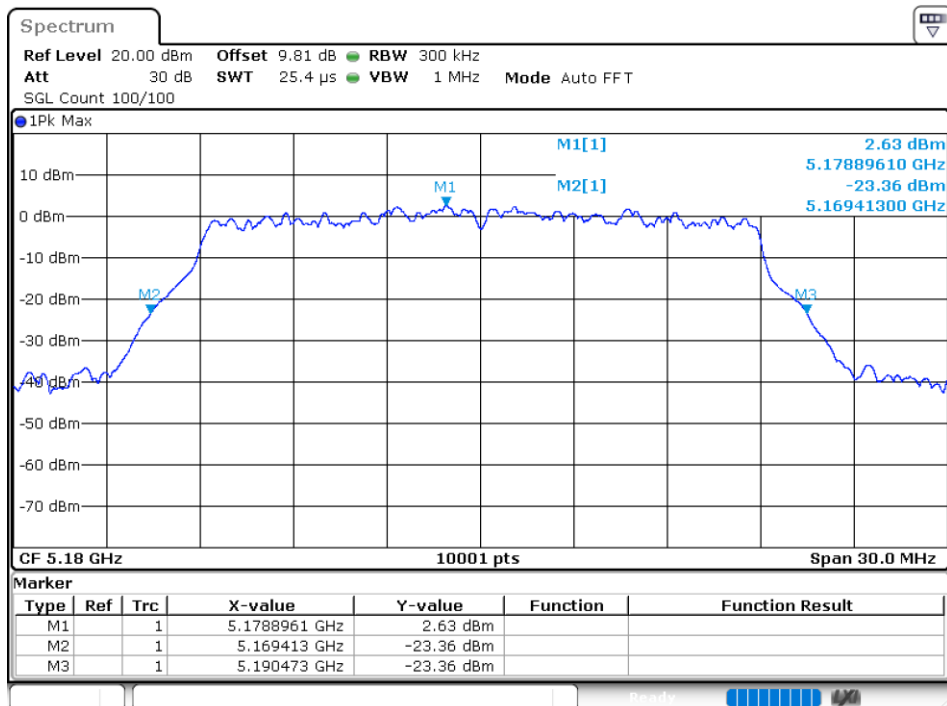
-26dB Bandwidth NVNT a 5200MHz Ant1



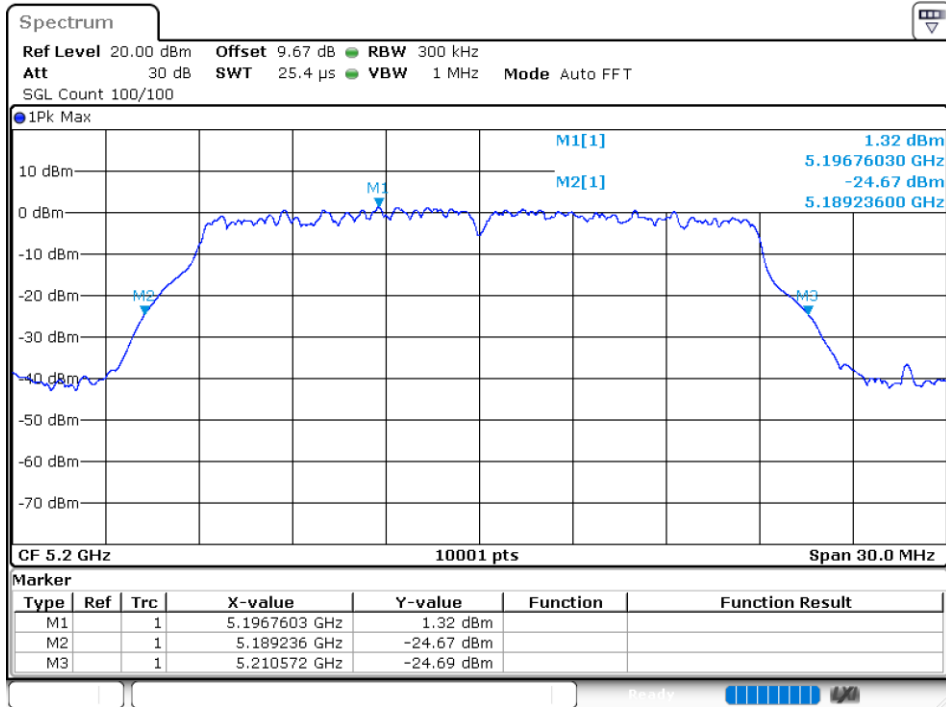
-26dB Bandwidth NVNT a 5240MHz Ant1



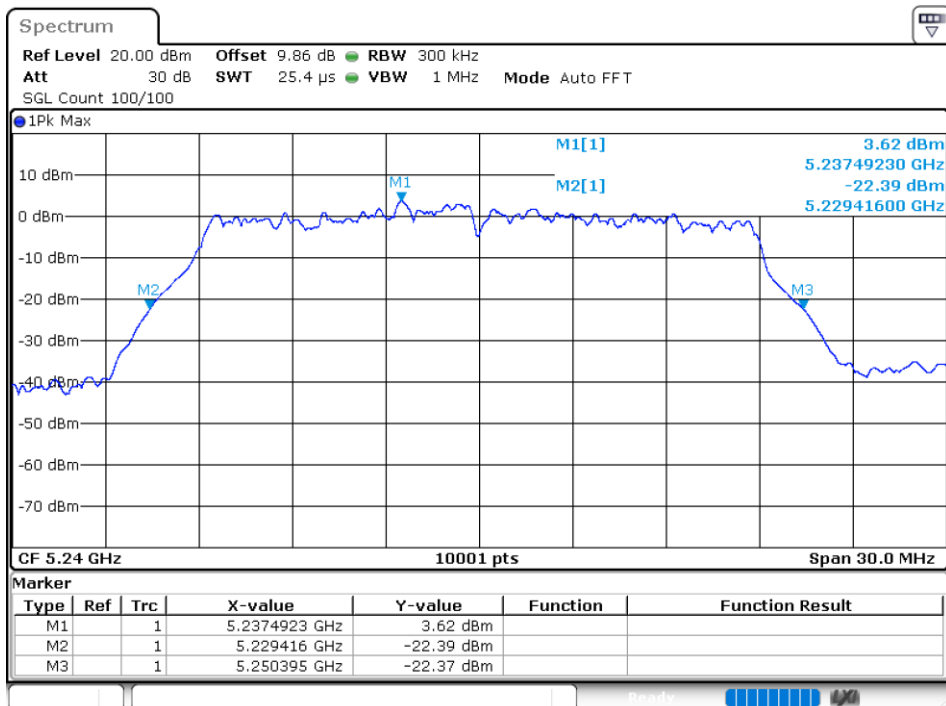
-26dB Bandwidth NVNT n20 5180MHz Ant1



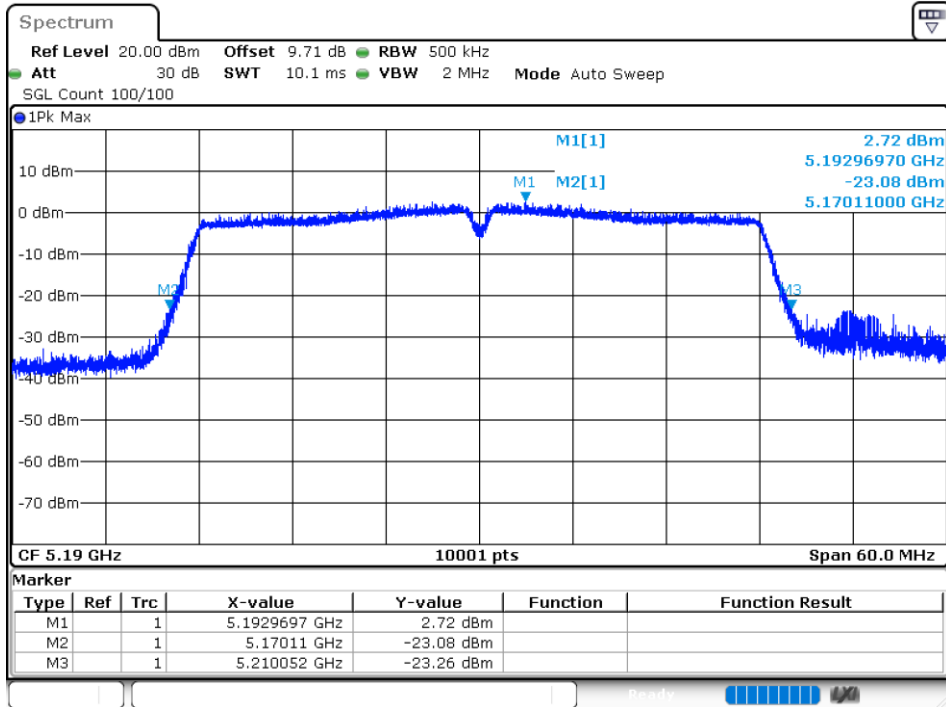
-26dB Bandwidth NVNT n20 5200MHz Ant1



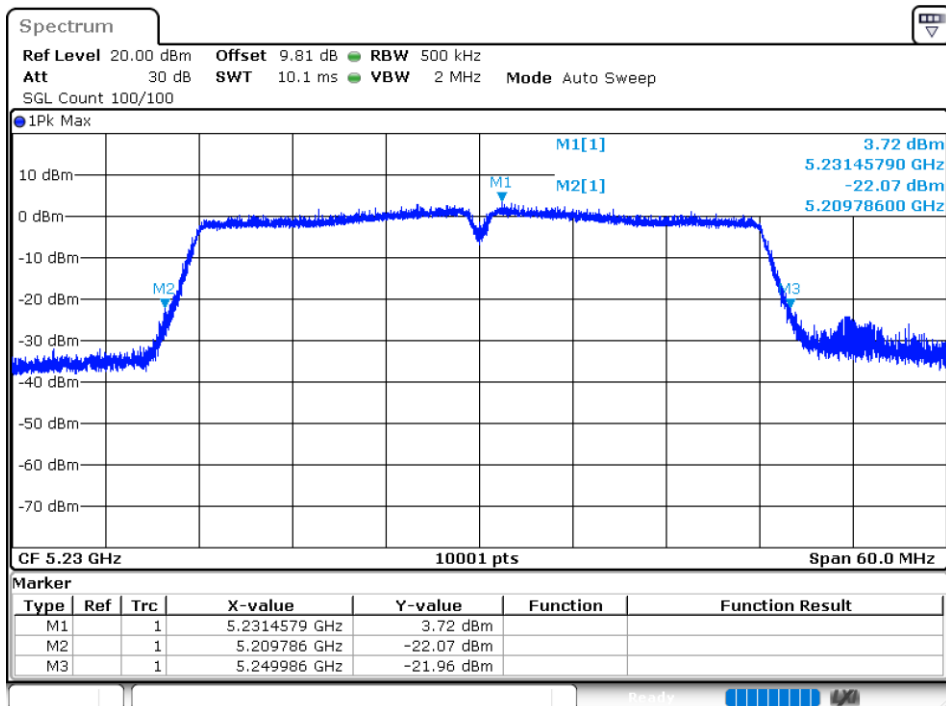
-26dB Bandwidth NVNT n20 5240MHz Ant1



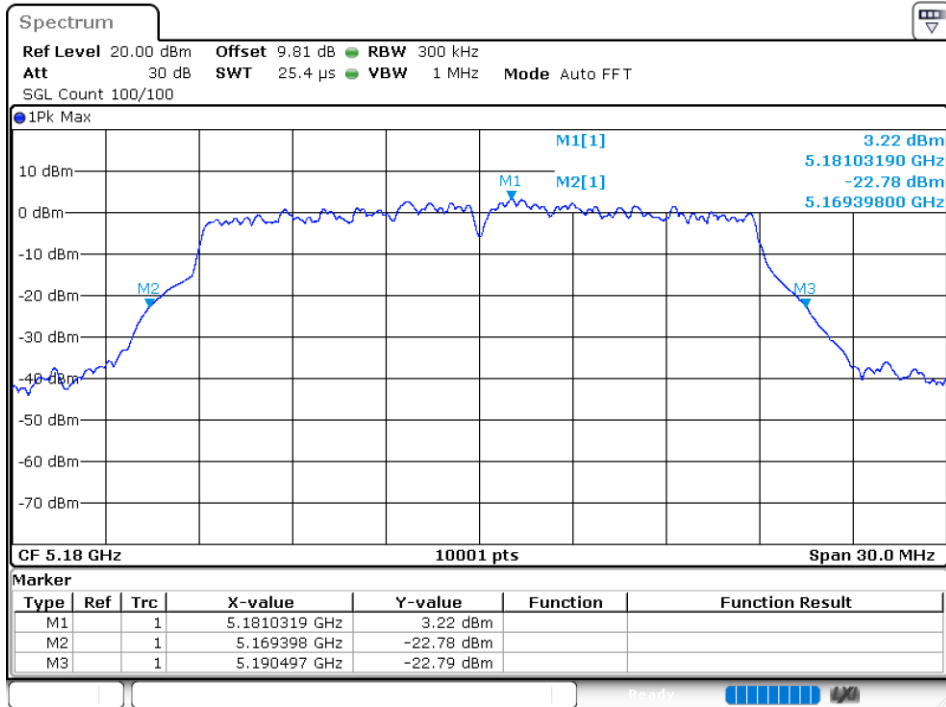
-26dB Bandwidth NVNT n40 5190MHz Ant1



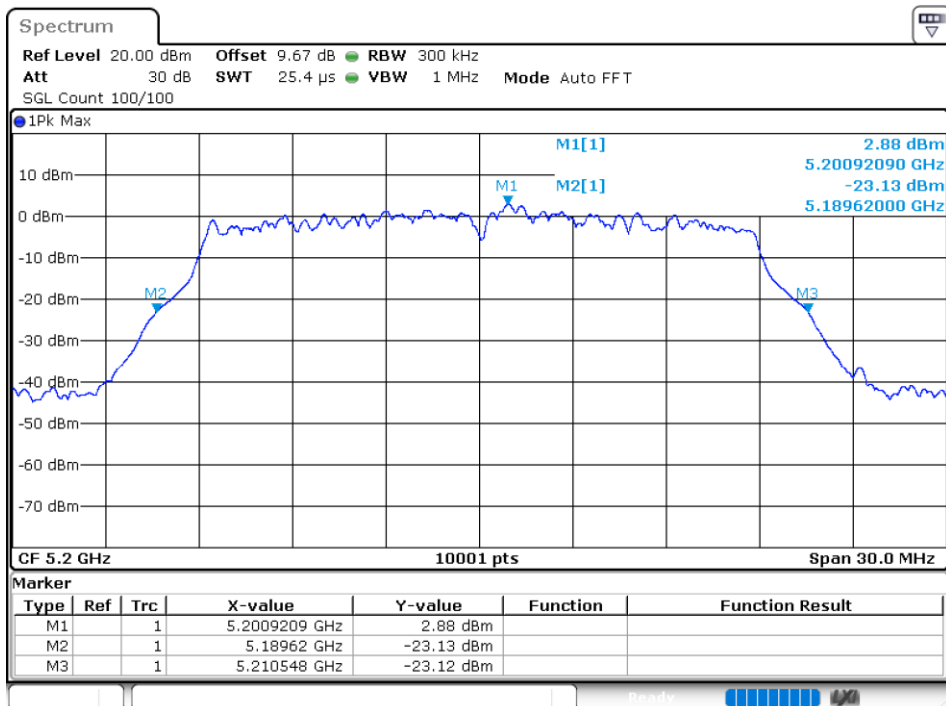
-26dB Bandwidth NVNT n40 5230MHz Ant1



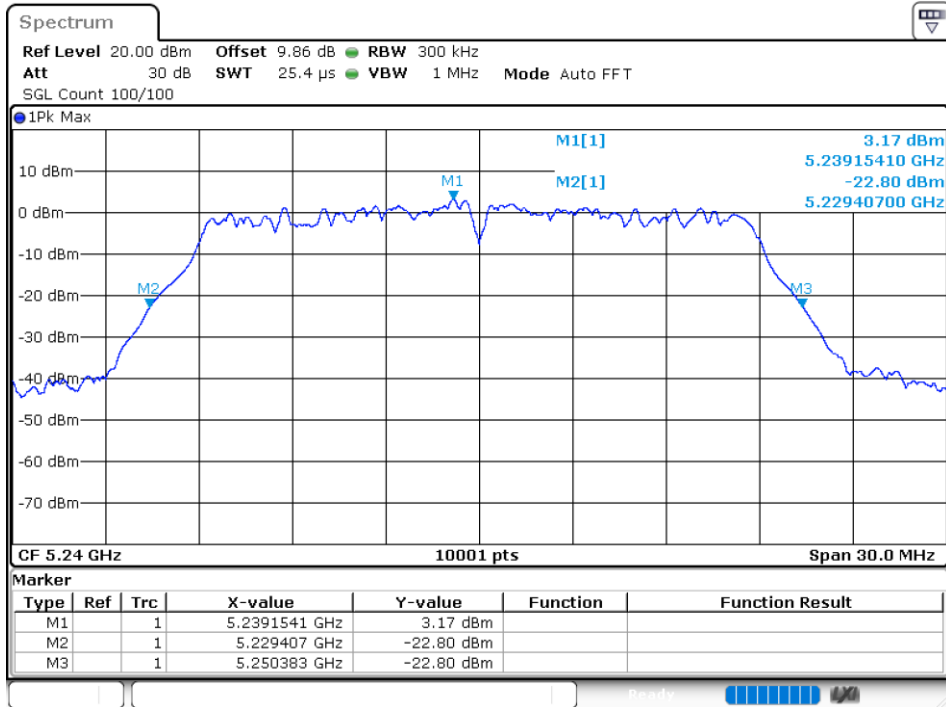
-26dB Bandwidth NVNT ac20 5180MHz Ant1



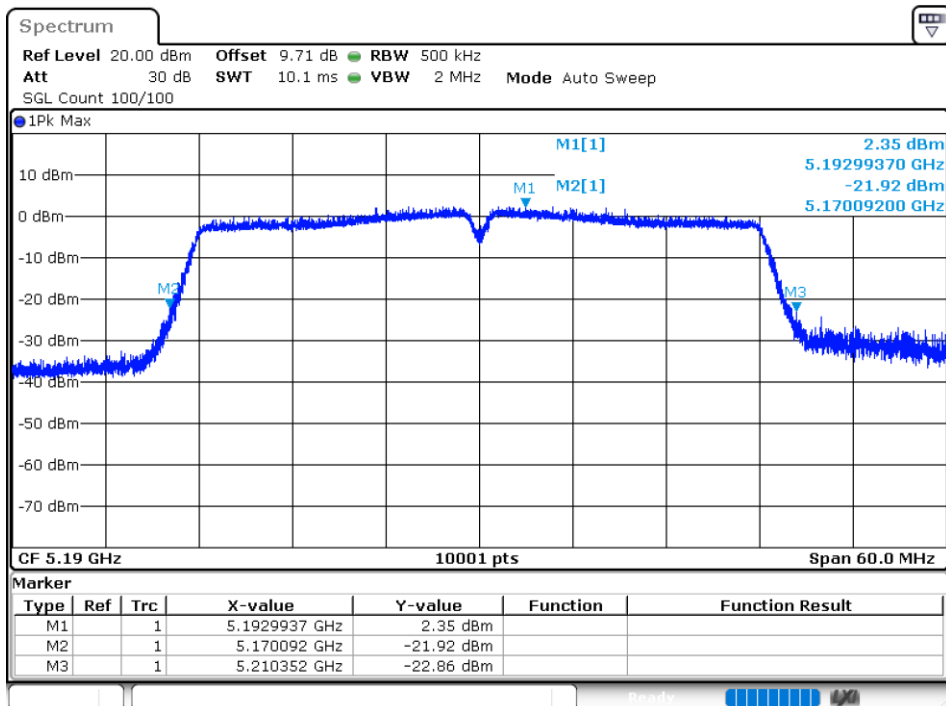
-26dB Bandwidth NVNT ac20 5200MHz Ant1



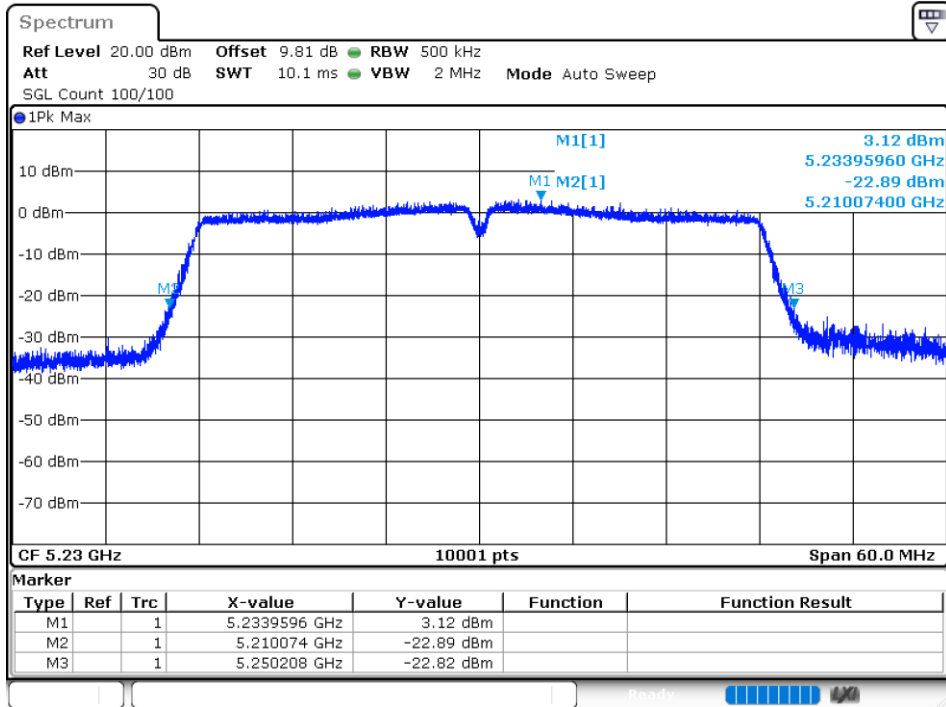
-26dB Bandwidth NVNT ac20 5240MHz Ant1



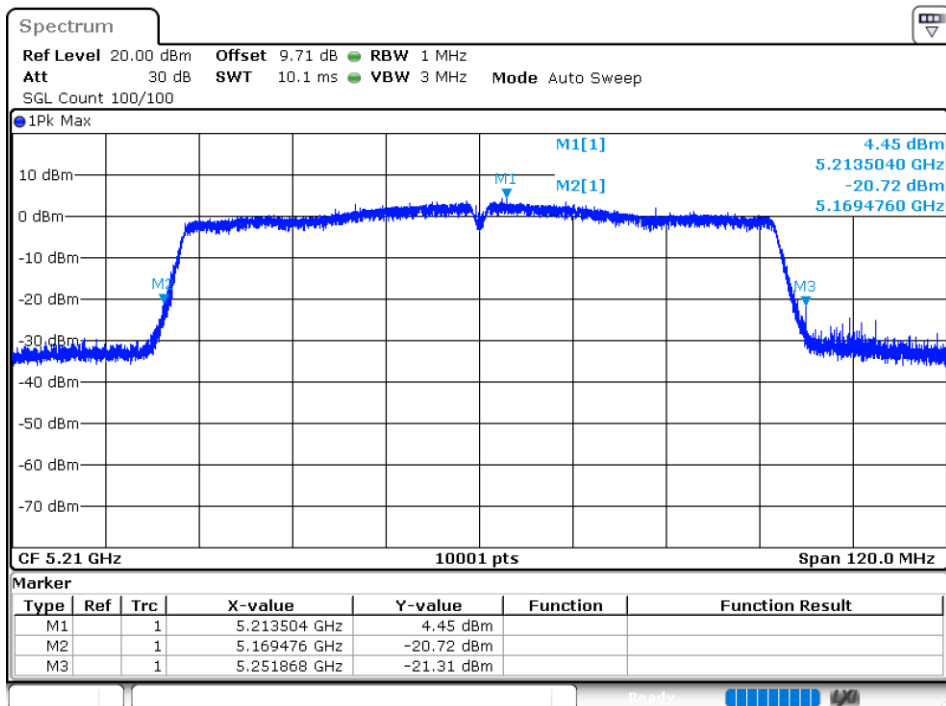
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1

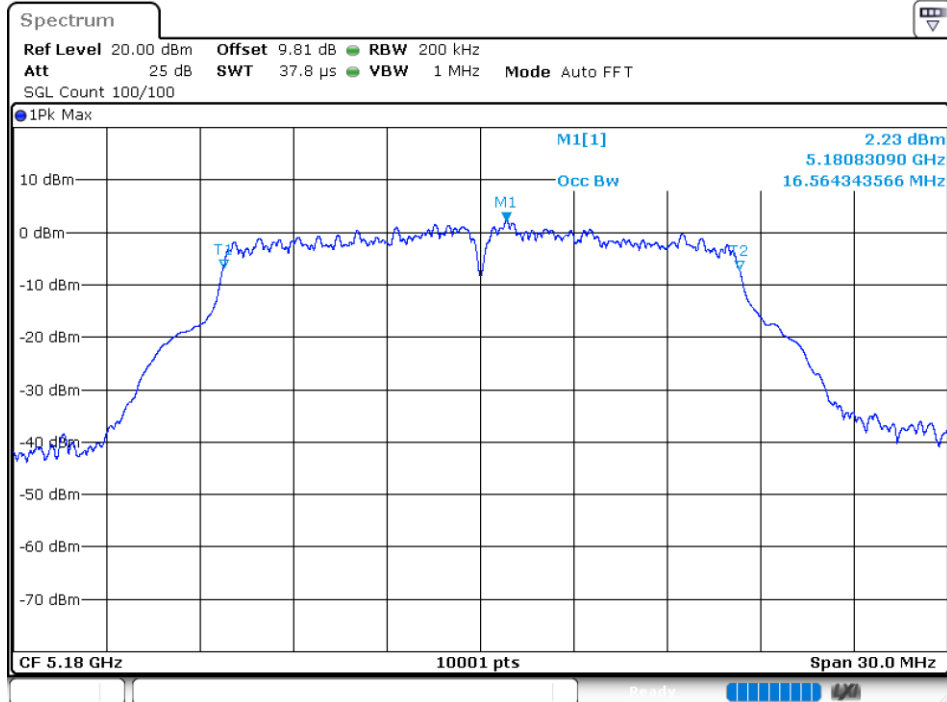


Occupied Channel Bandwidth

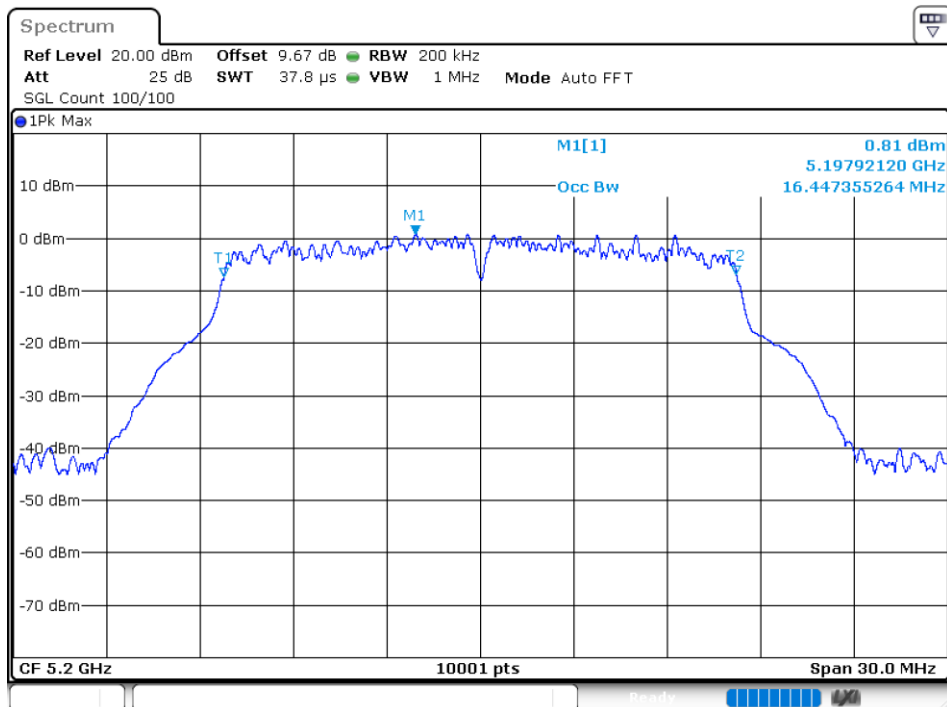
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.564
NVNT	a	5200	Ant1	16.447
NVNT	a	5240	Ant1	16.504
NVNT	n20	5180	Ant1	17.59
NVNT	n20	5200	Ant1	17.749
NVNT	n20	5240	Ant1	17.737
NVNT	n40	5190	Ant1	36.218
NVNT	n40	5230	Ant1	36.242
NVNT	ac20	5180	Ant1	17.671
NVNT	ac20	5200	Ant1	17.638
NVNT	ac20	5240	Ant1	17.812
NVNT	ac40	5190	Ant1	36.218
NVNT	ac40	5230	Ant1	36.236
NVNT	ac80	5210	Ant1	75.364

Test Graphs

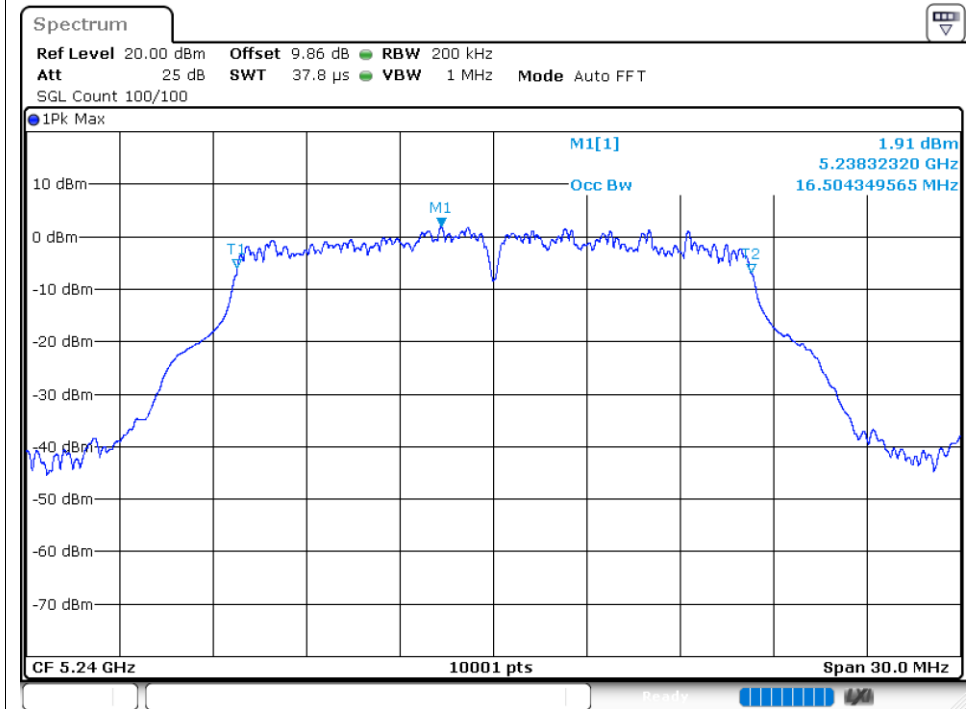
OBW NVNT a 5180MHz Ant1



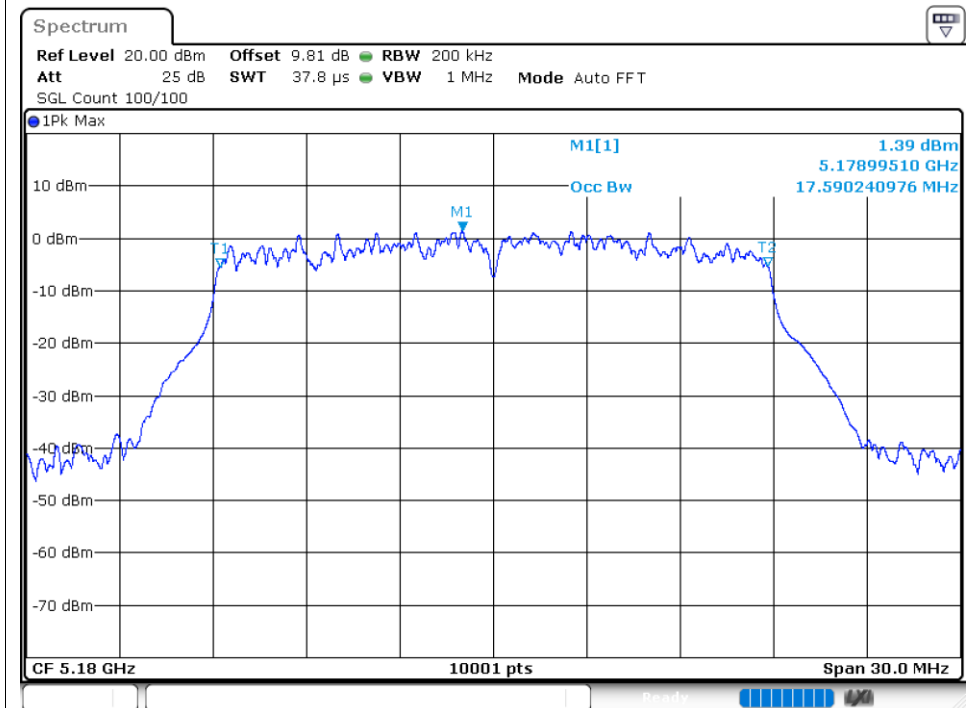
OBW NVNT a 5200MHz Ant1



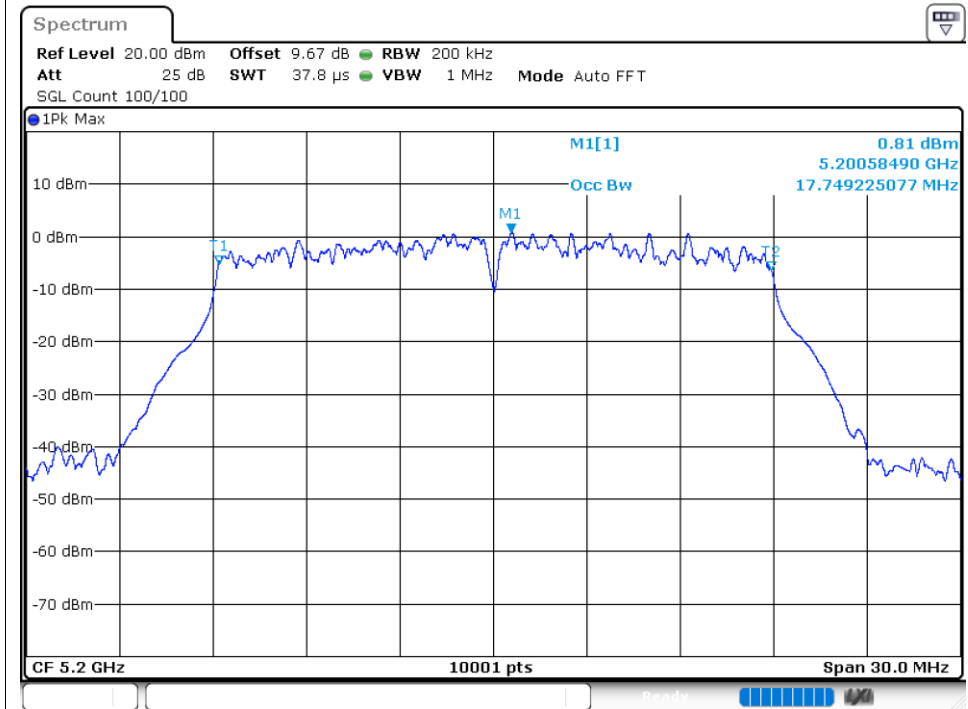
OBW NVNT a 5240MHz Ant1



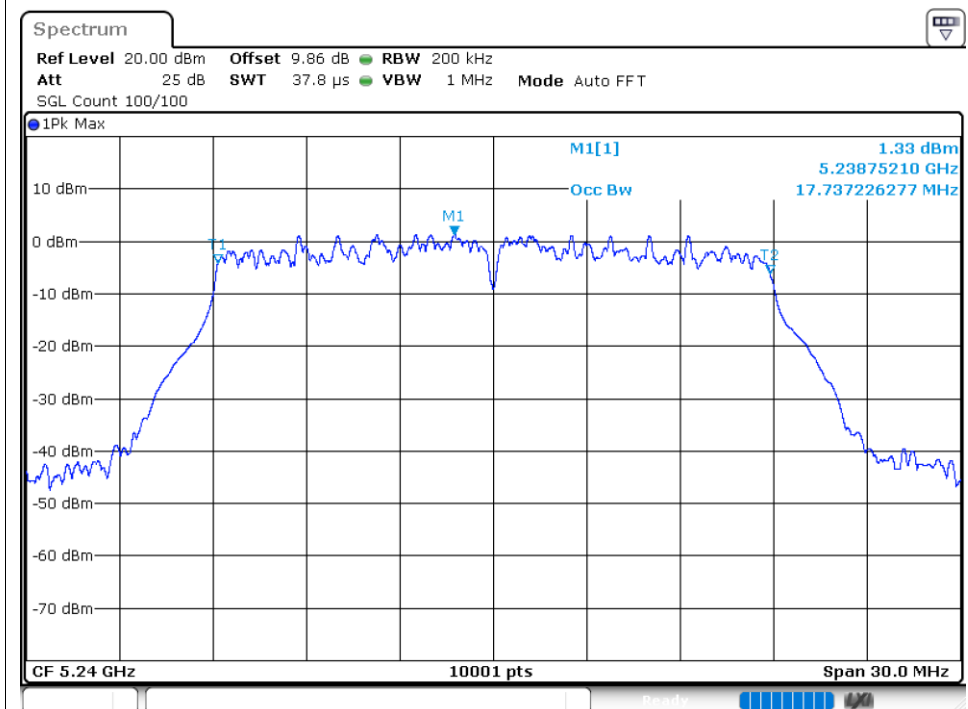
OBW NVNT n20 5180MHz Ant1

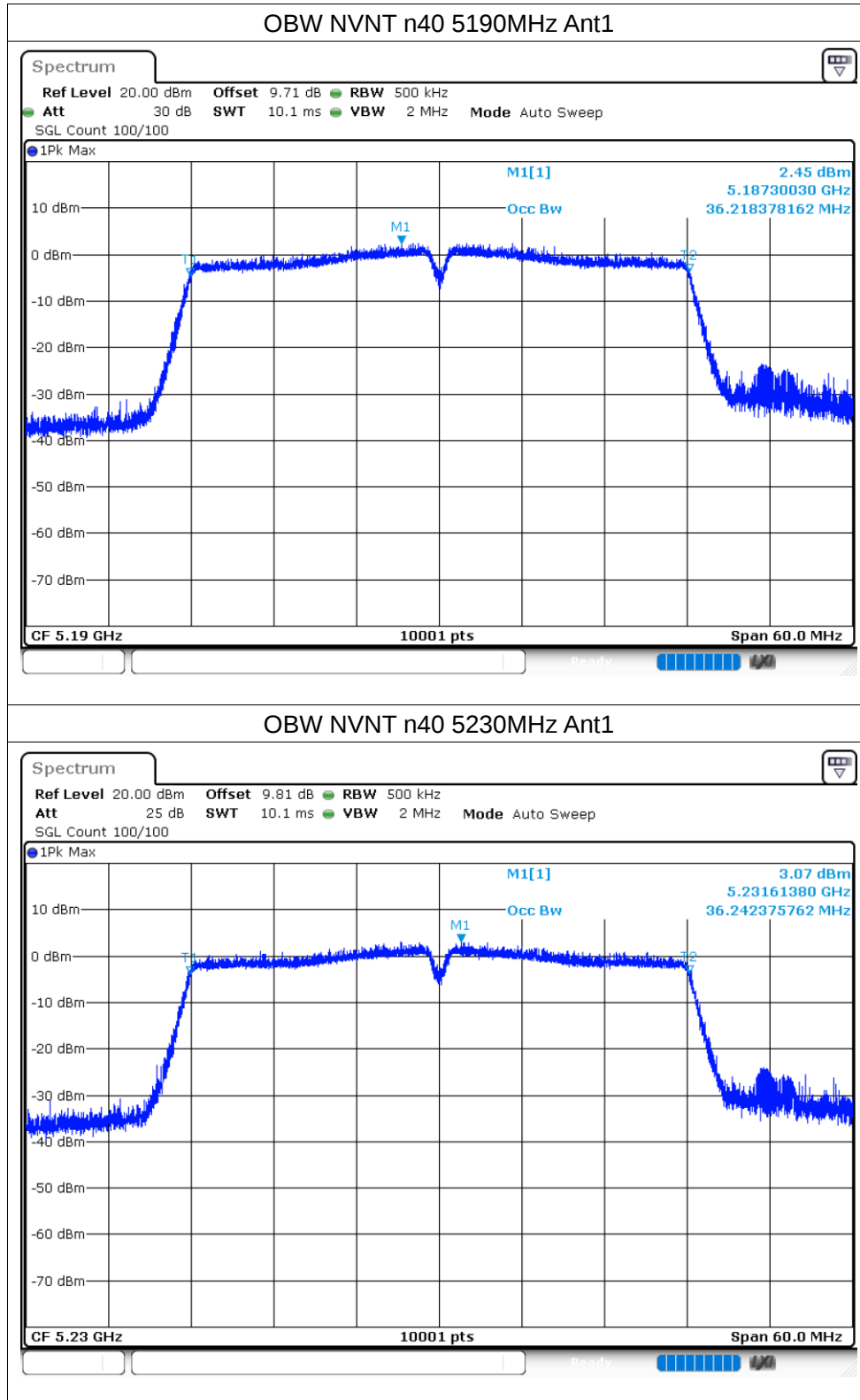


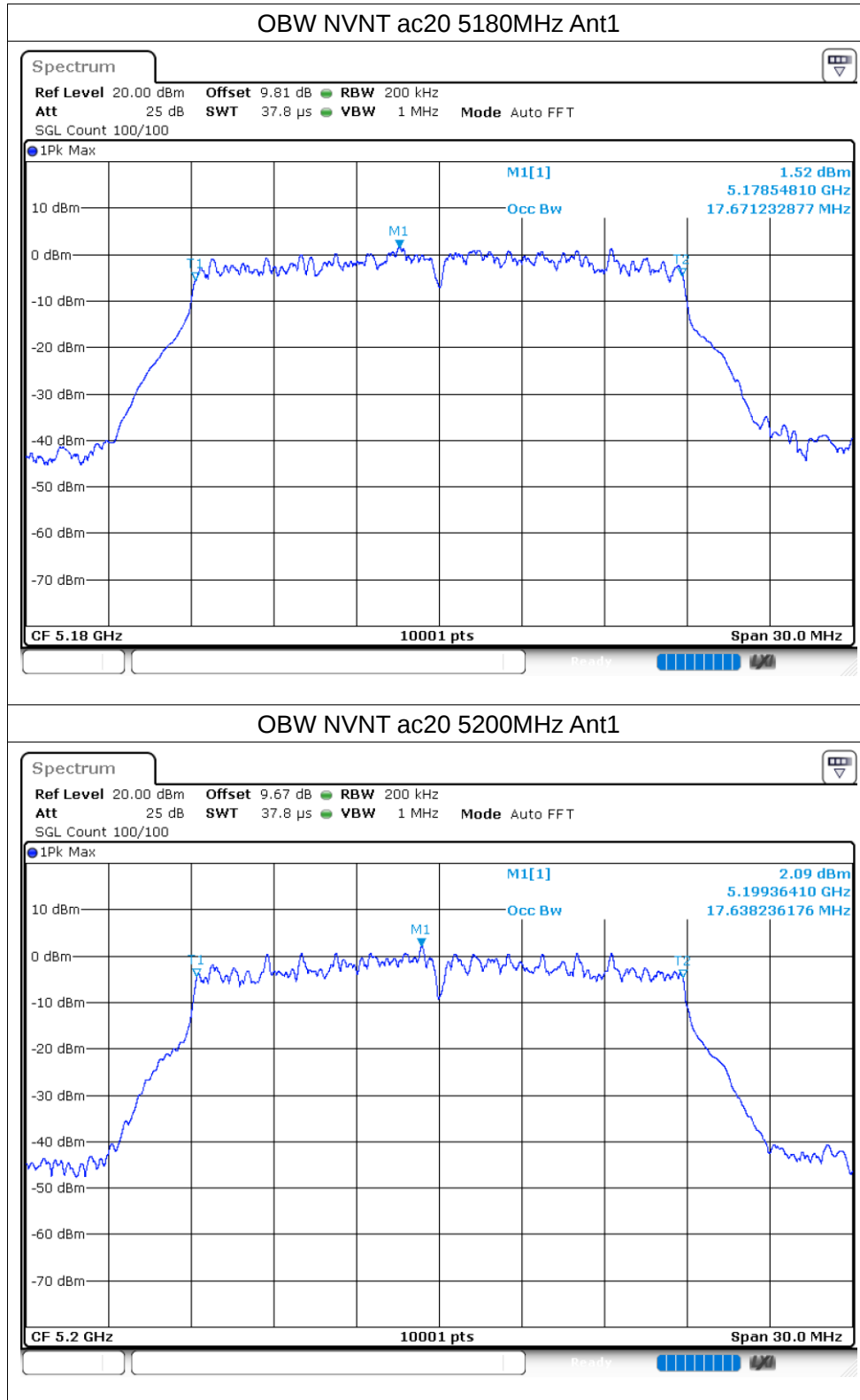
OBW NVNT n20 5200MHz Ant1



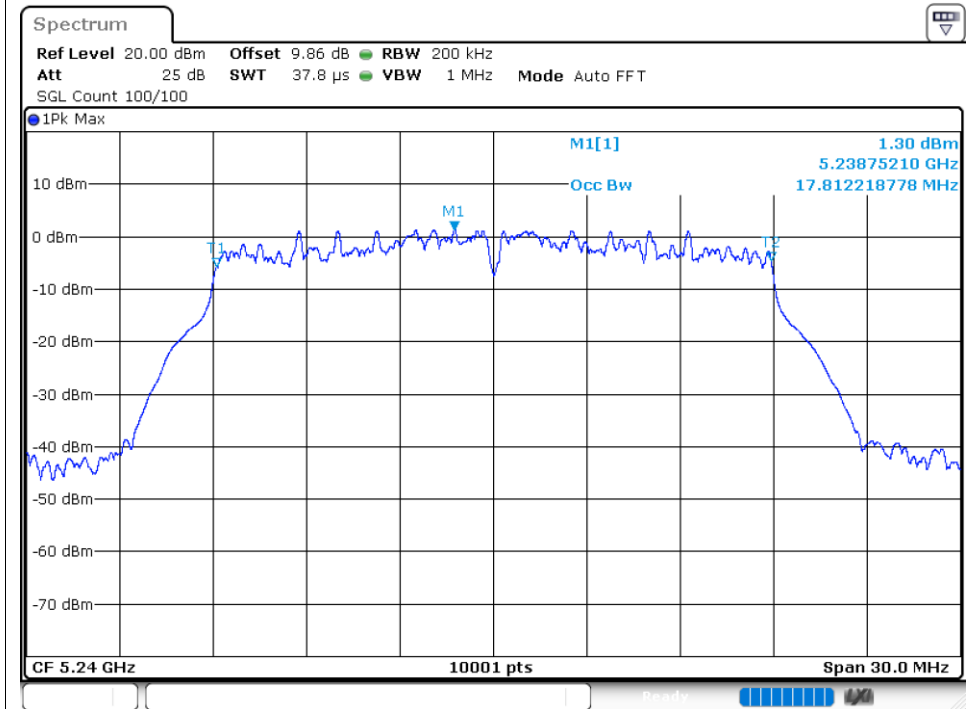
OBW NVNT n20 5240MHz Ant1



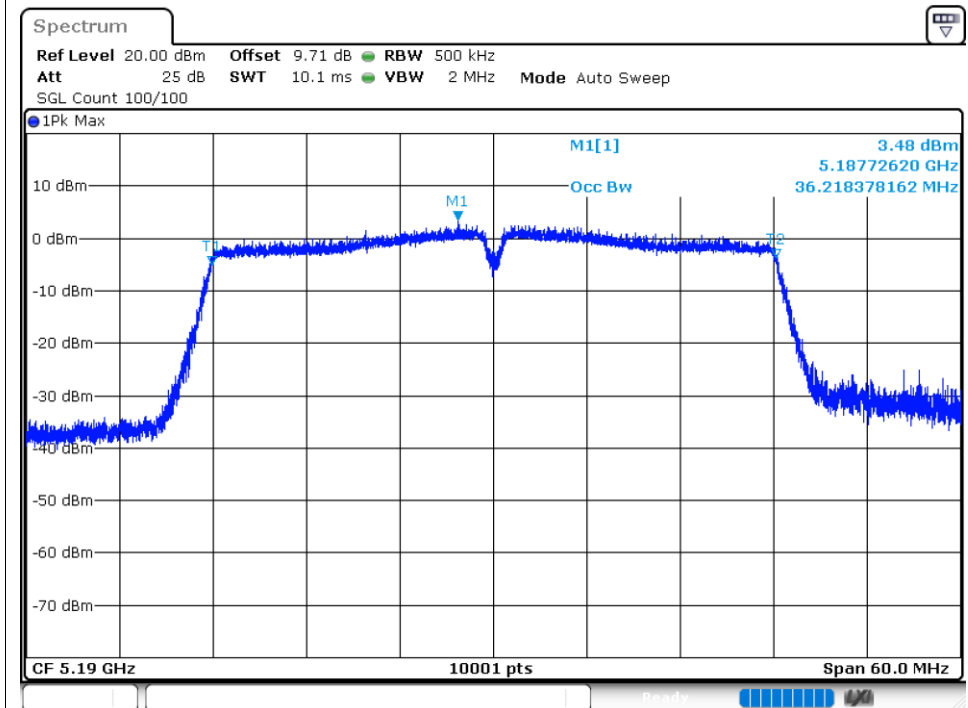


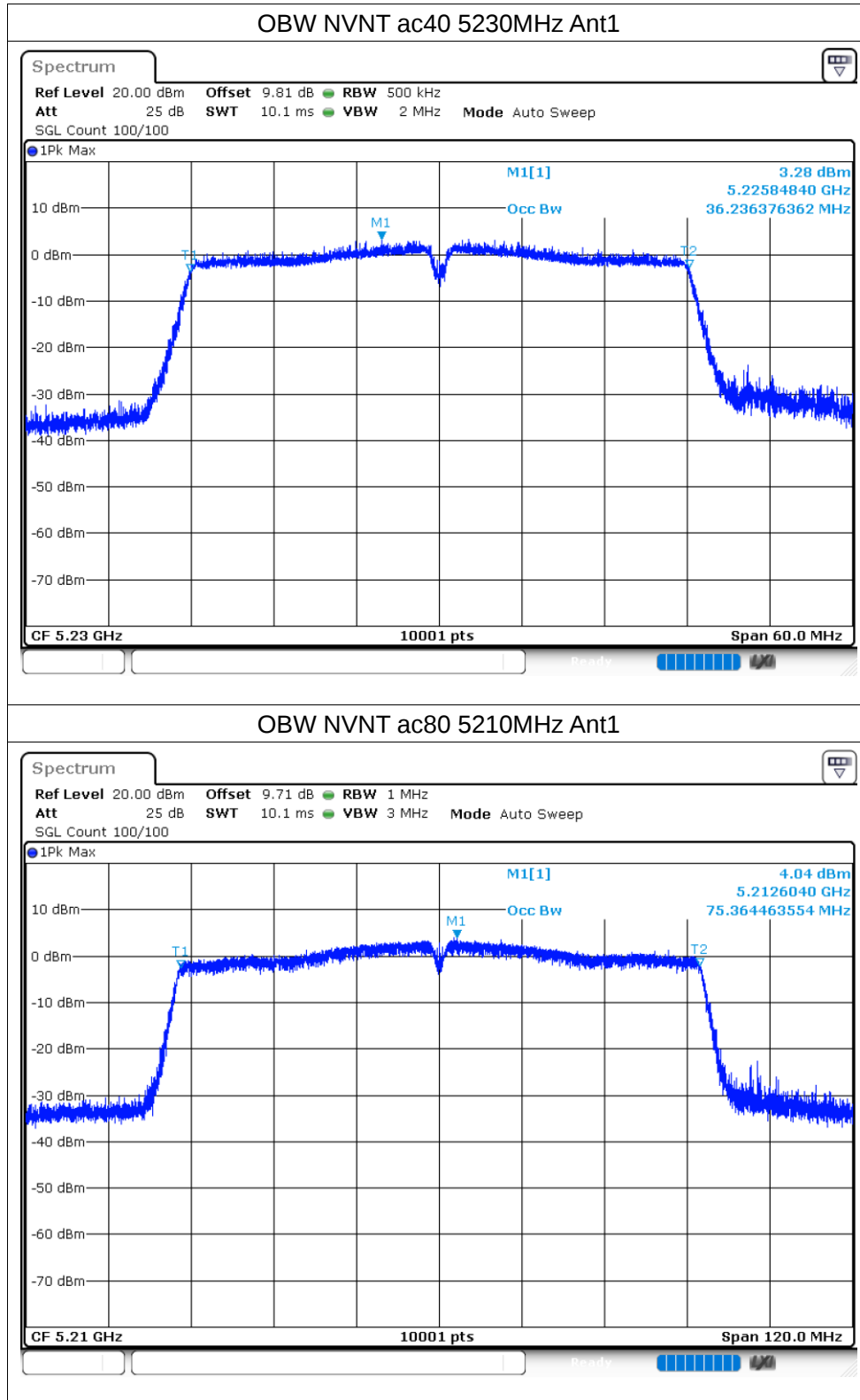


OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



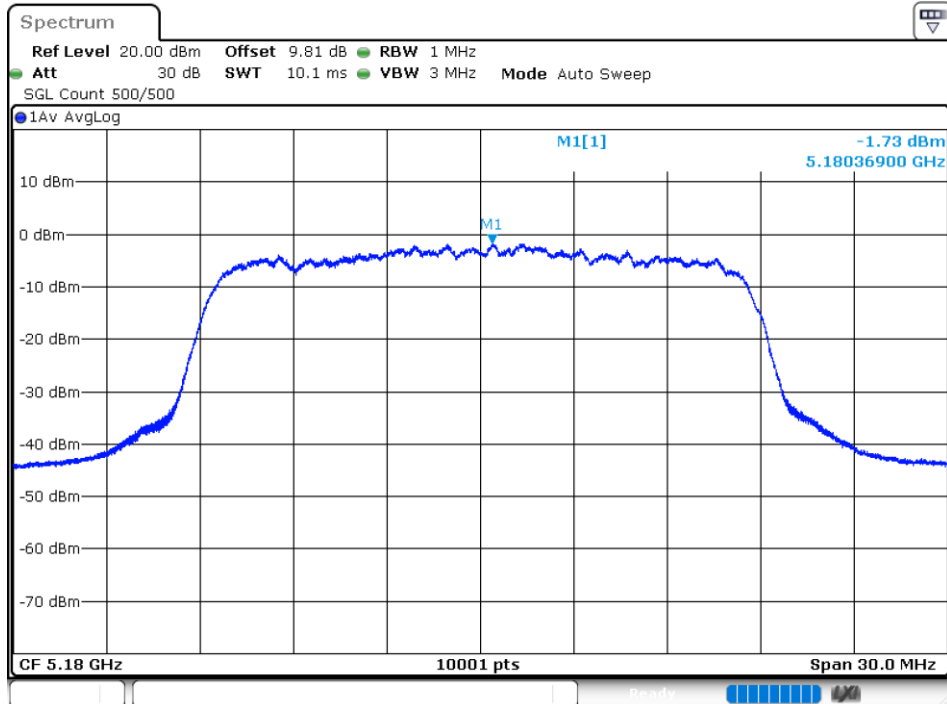


Maximum Power Spectral Density Level

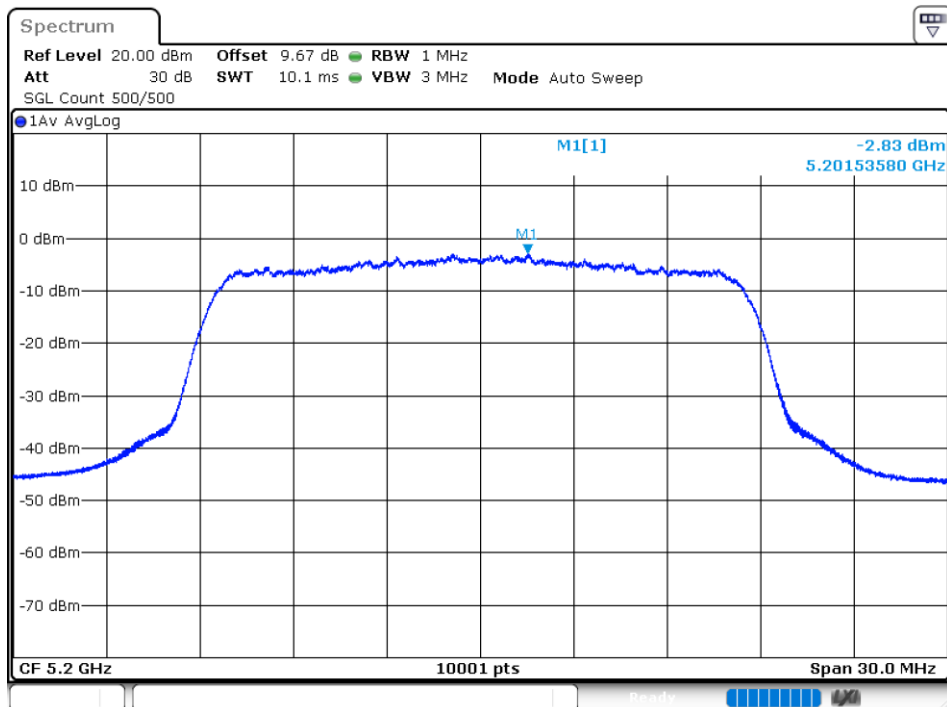
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-1.73	0.27	-1.46	11	Pass
NVNT	a	5200	Ant1	-2.83	0.27	-2.56	11	Pass
NVNT	a	5240	Ant1	-2.11	0.27	-1.84	11	Pass
NVNT	n20	5180	Ant1	-14.19	1.81	-12.38	11	Pass
NVNT	n20	5200	Ant1	-17.71	1.8	-15.91	11	Pass
NVNT	n20	5240	Ant1	-17.8	1.8	-16	11	Pass
NVNT	n40	5190	Ant1	-8.58	0.55	-8.03	11	Pass
NVNT	n40	5230	Ant1	-7.72	0.55	-7.17	11	Pass
NVNT	ac20	5180	Ant1	-17.39	1.95	-15.44	11	Pass
NVNT	ac20	5200	Ant1	-17.51	1.95	-15.56	11	Pass
NVNT	ac20	5240	Ant1	-13.99	1.94	-12.05	11	Pass
NVNT	ac40	5190	Ant1	-8.75	0.55	-8.2	11	Pass
NVNT	ac40	5230	Ant1	-7.61	0.55	-7.06	11	Pass
NVNT	ac80	5210	Ant1	-13.71	1.03	-12.68	11	Pass

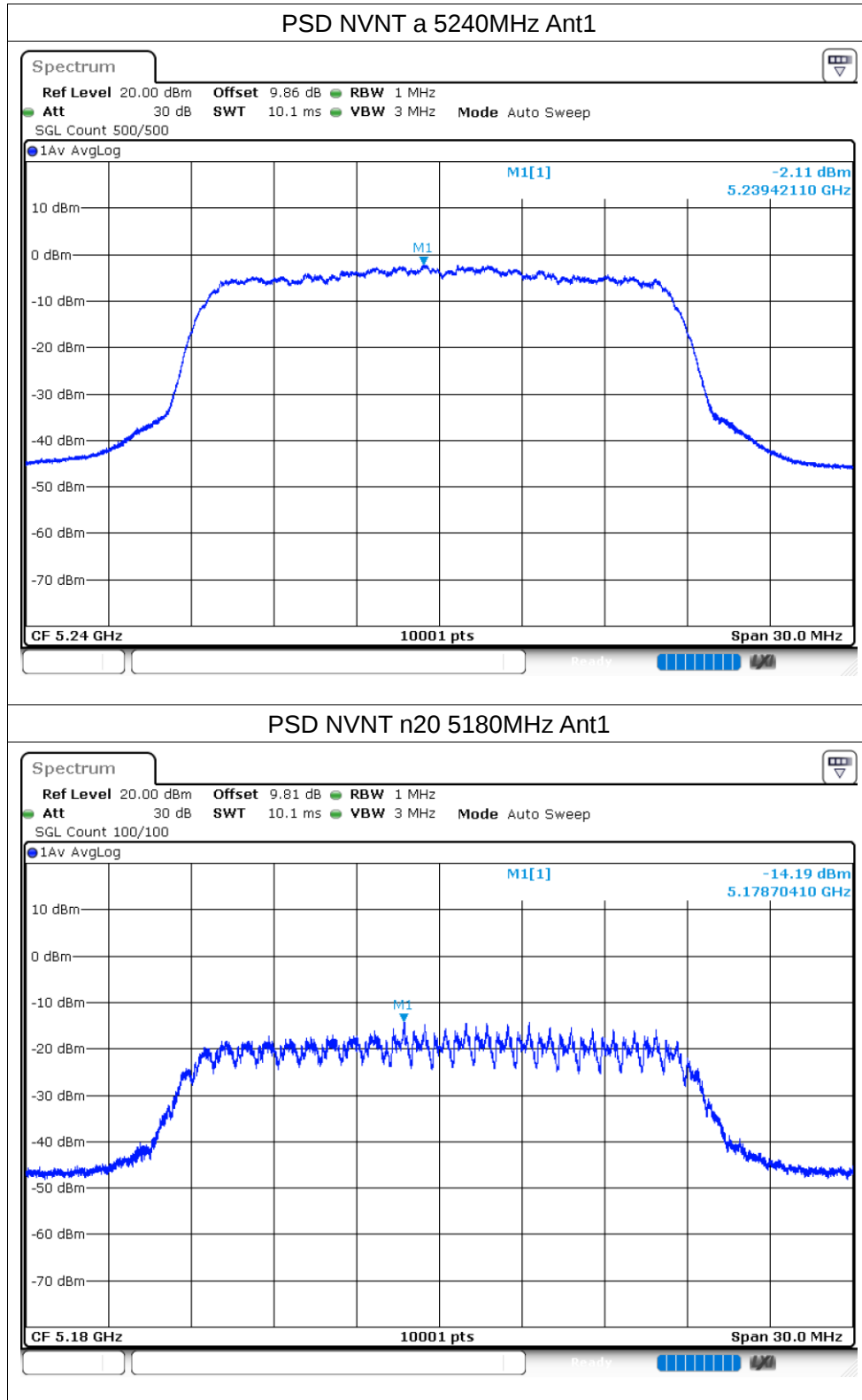
Test Graphs

PSD NVNT a 5180MHz Ant1

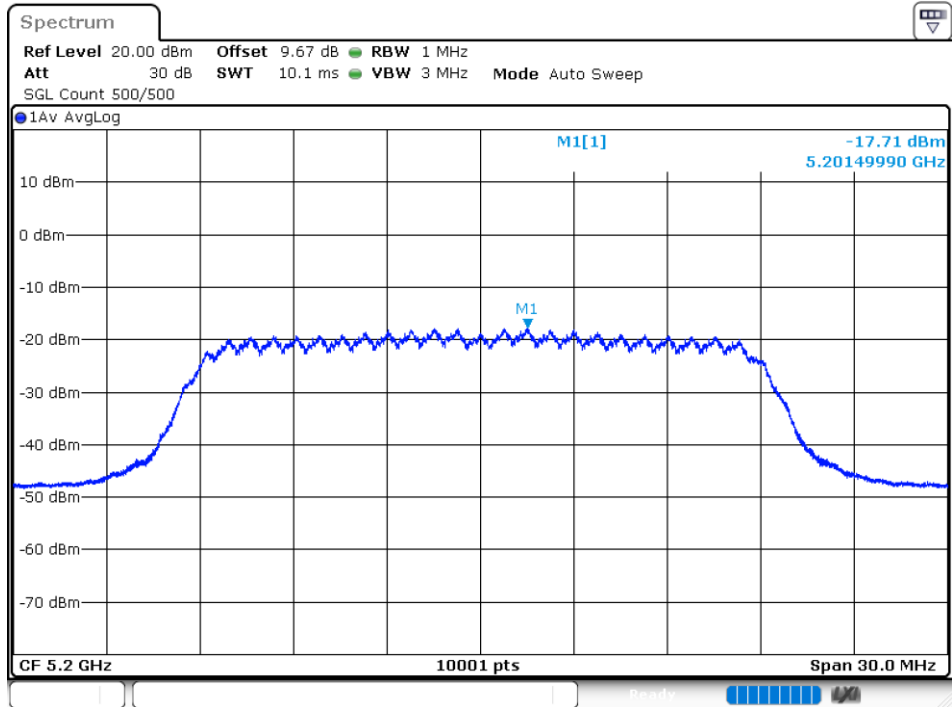


PSD NVNT a 5200MHz Ant1

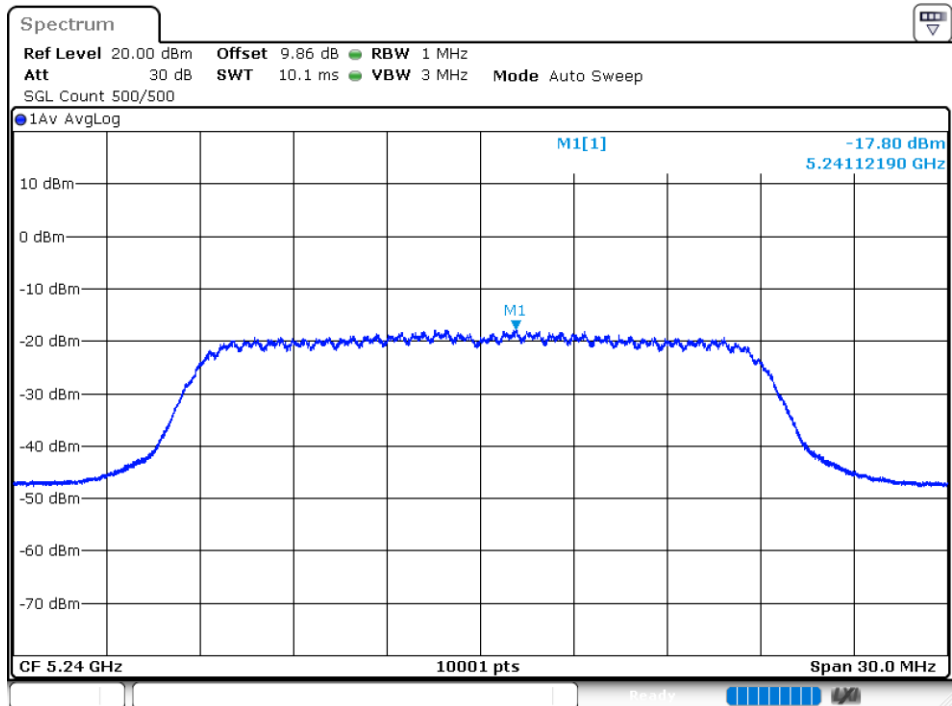




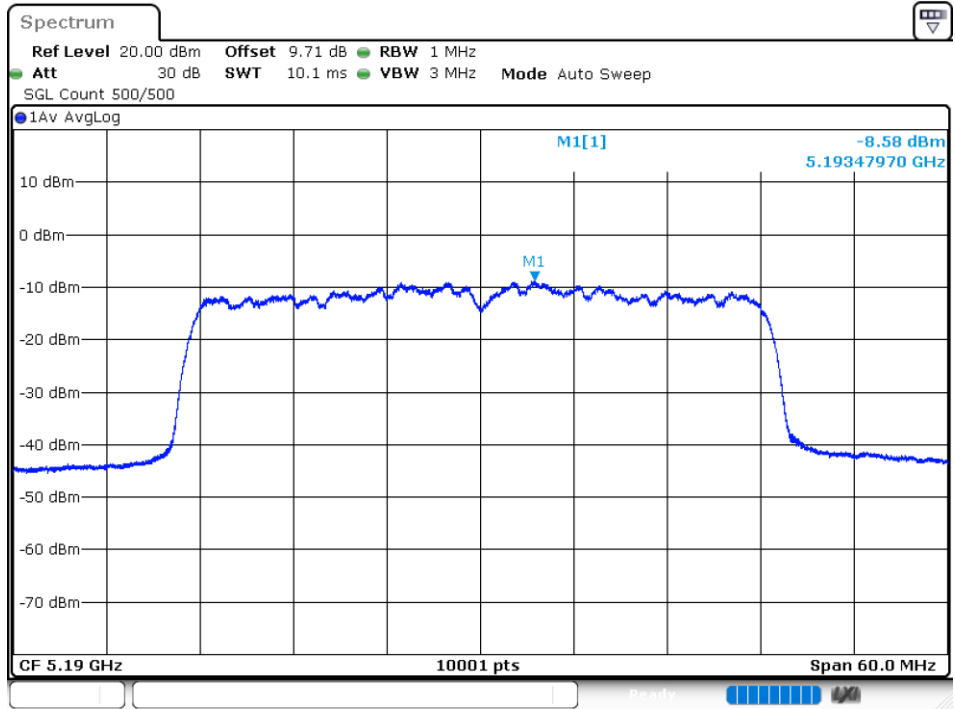
PSD NVNT n20 5200MHz Ant1



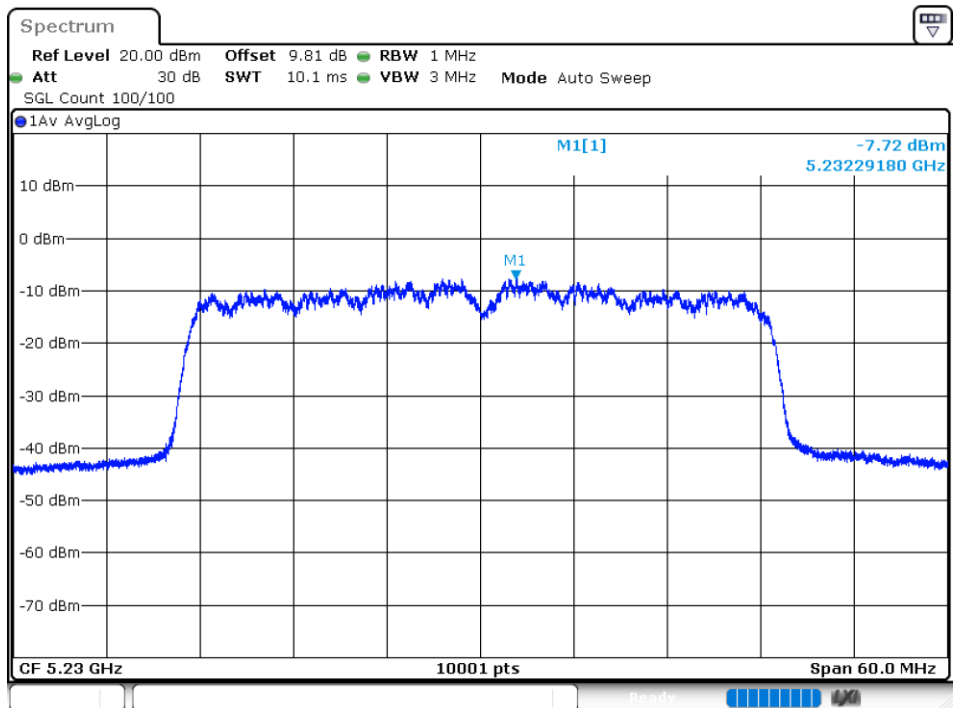
PSD NVNT n20 5240MHz Ant1



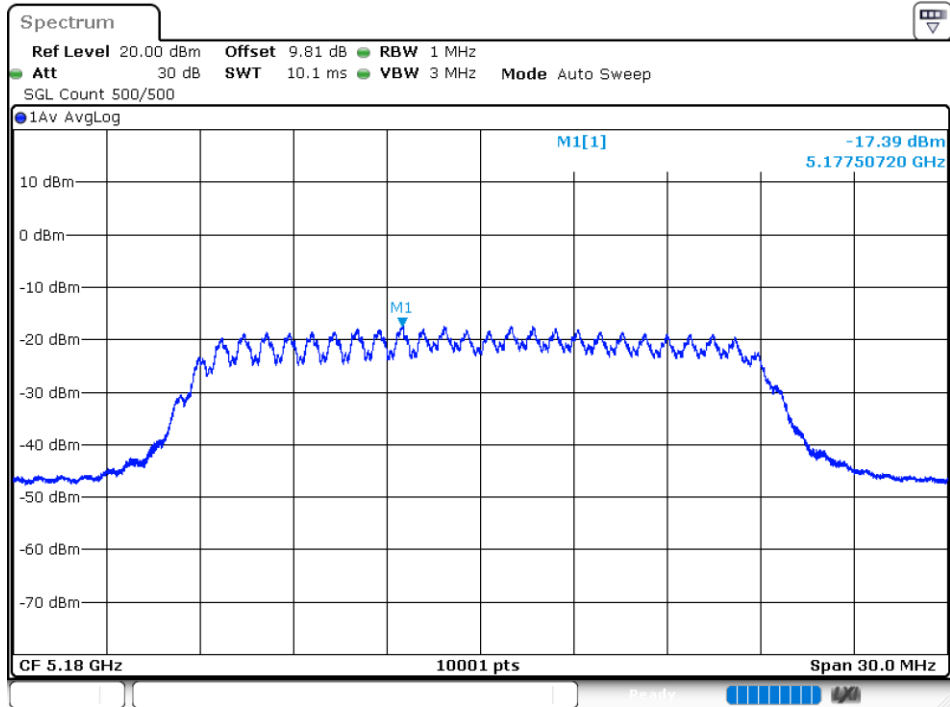
PSD NVNT n40 5190MHz Ant1



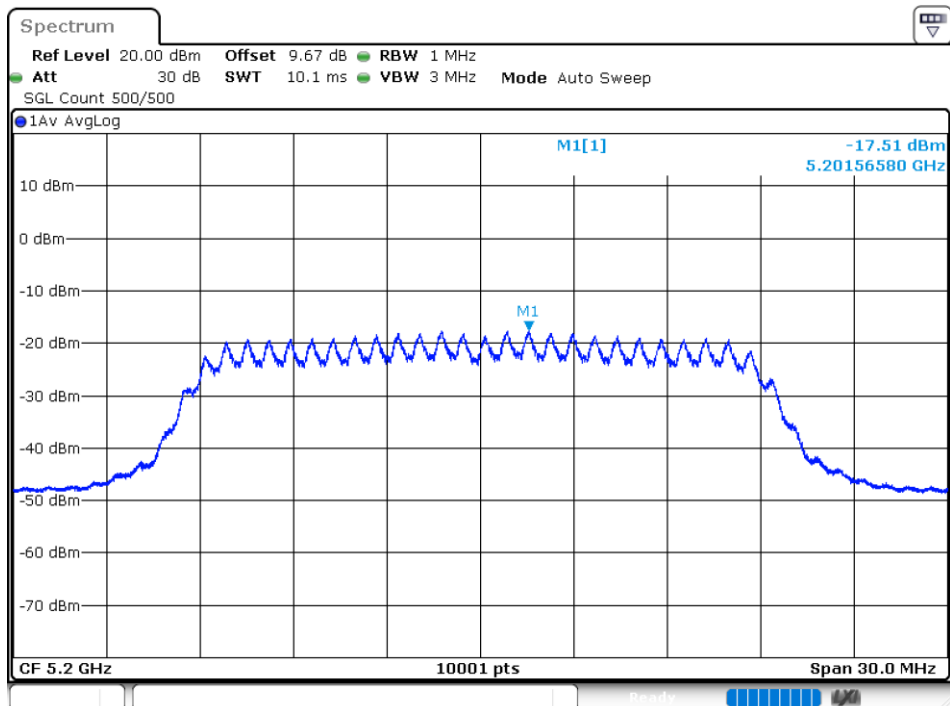
PSD NVNT n40 5230MHz Ant1



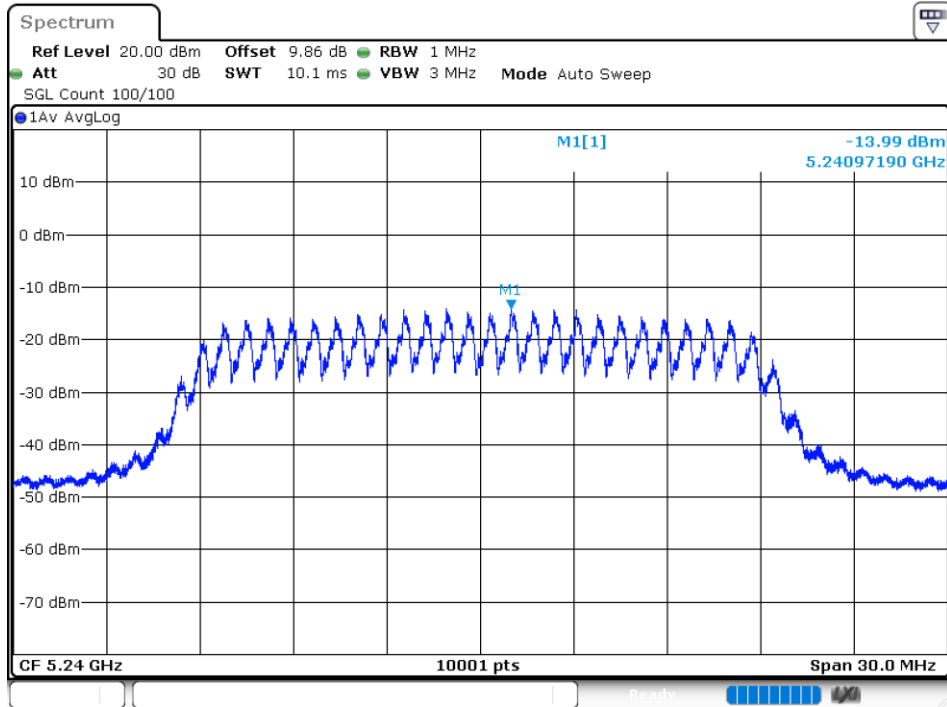
PSD NVNT ac20 5180MHz Ant1



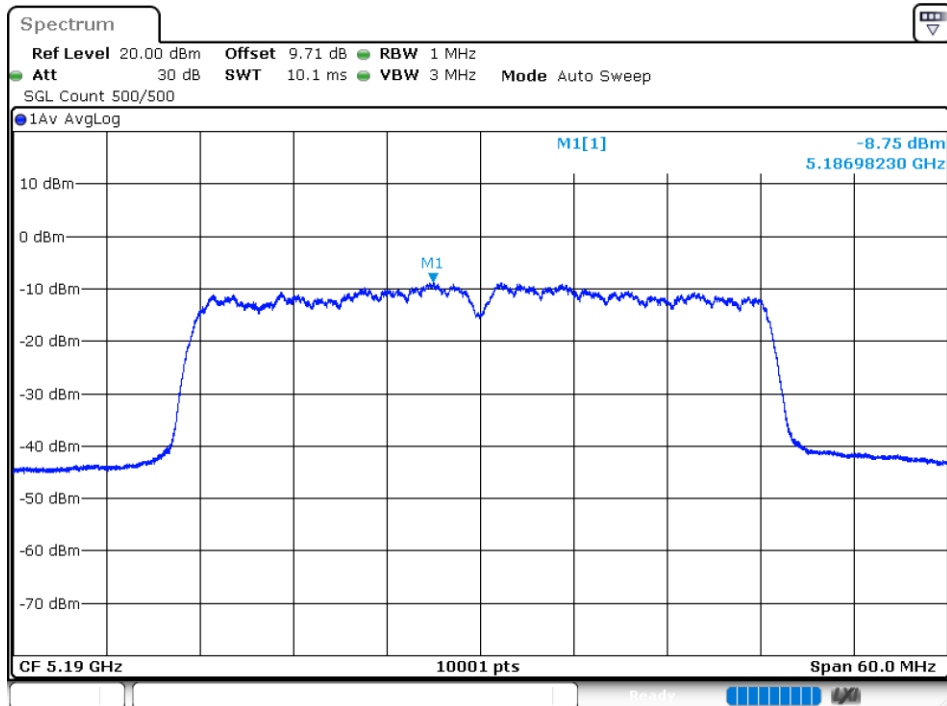
PSD NVNT ac20 5200MHz Ant1



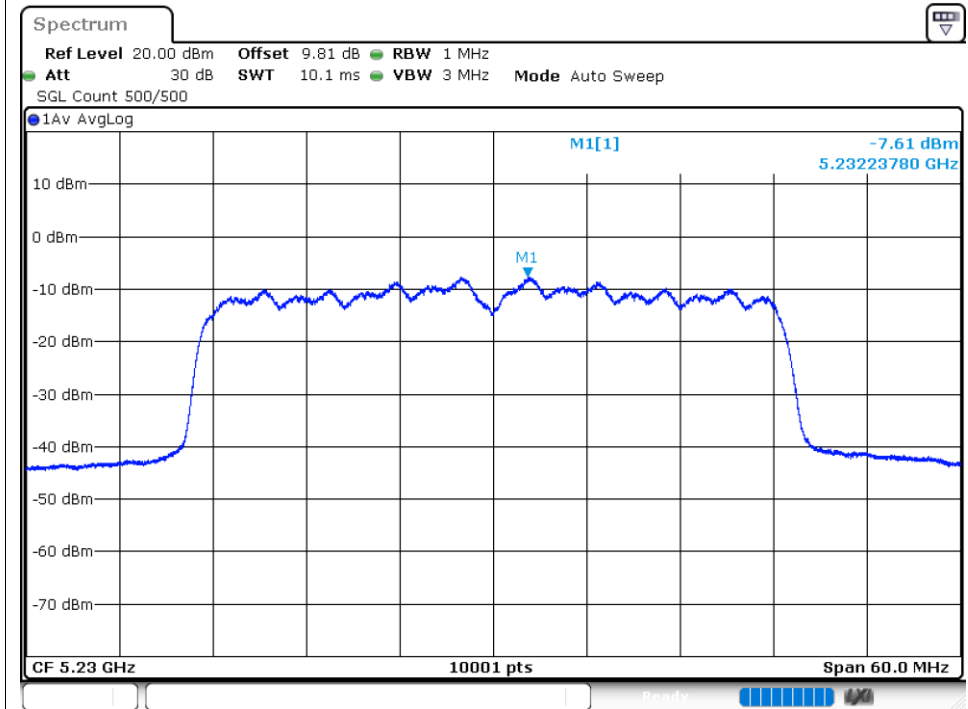
PSD NVNT ac20 5240MHz Ant1



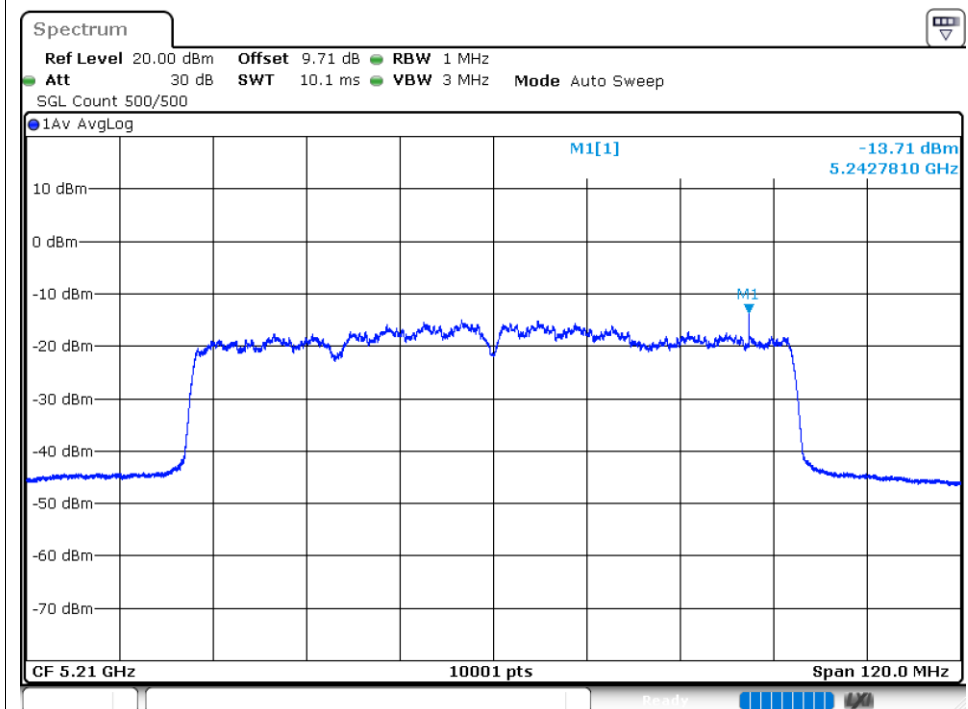
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1

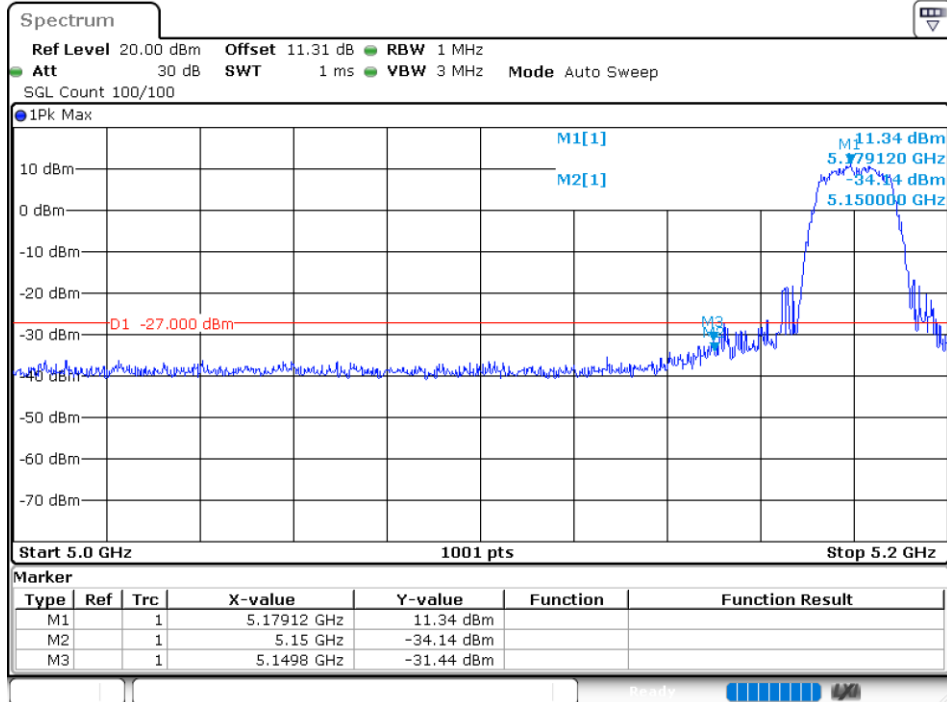


Band Edge

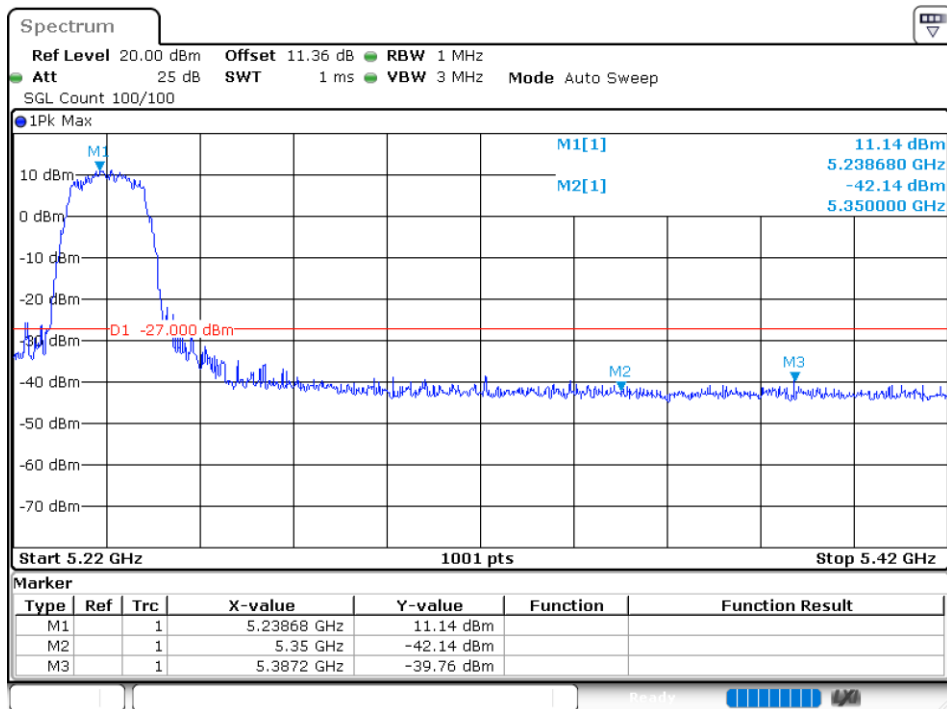
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-31.44	-27	Pass
NVNT	a	5240	Ant1	-39.76	-27	Pass
NVNT	n20	5180	Ant1	-30.89	-27	Pass
NVNT	n20	5240	Ant1	-40.41	-27	Pass
NVNT	n40	5190	Ant1	-30.34	-27	Pass
NVNT	n40	5230	Ant1	-34.54	-27	Pass
NVNT	ac20	5180	Ant1	-32.68	-27	Pass
NVNT	ac20	5240	Ant1	-40.39	-27	Pass
NVNT	ac40	5190	Ant1	-31.48	-27	Pass
NVNT	ac40	5230	Ant1	-37.9	-27	Pass
NVNT	ac80	5210	Ant1	-39.39	-27	Pass

Test Graphs

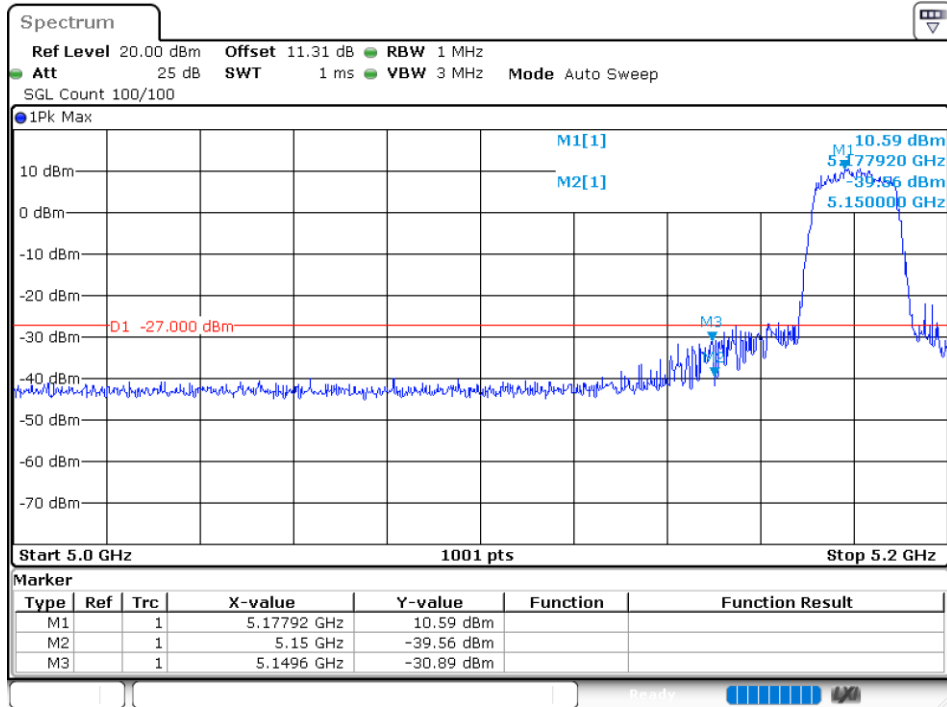
Band Edge NVNT a 5180MHz Low Ant1



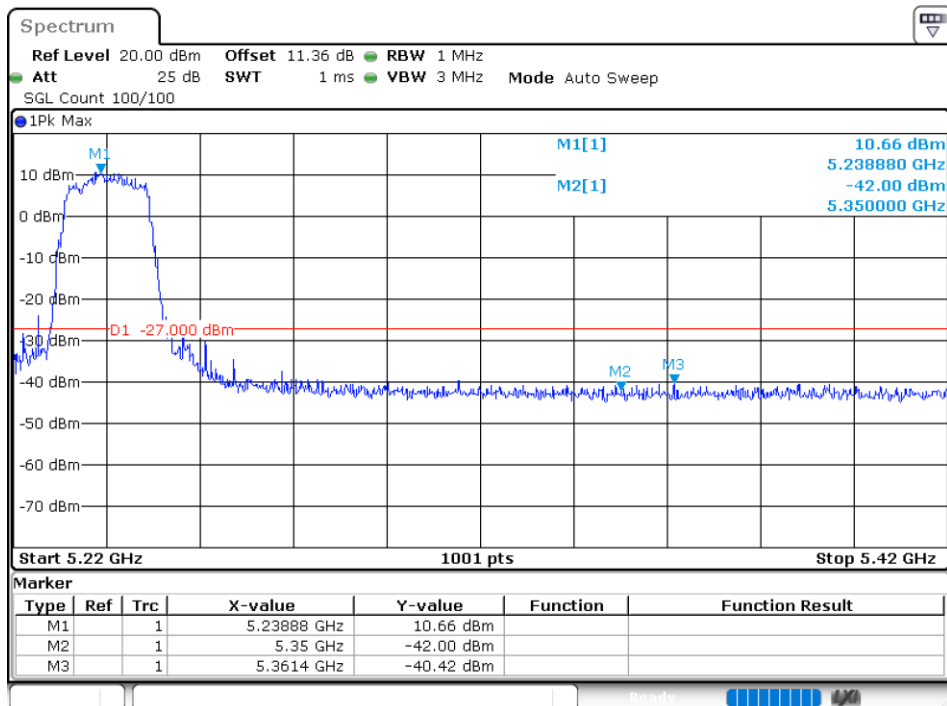
Band Edge NVNT a 5240MHz High Ant1



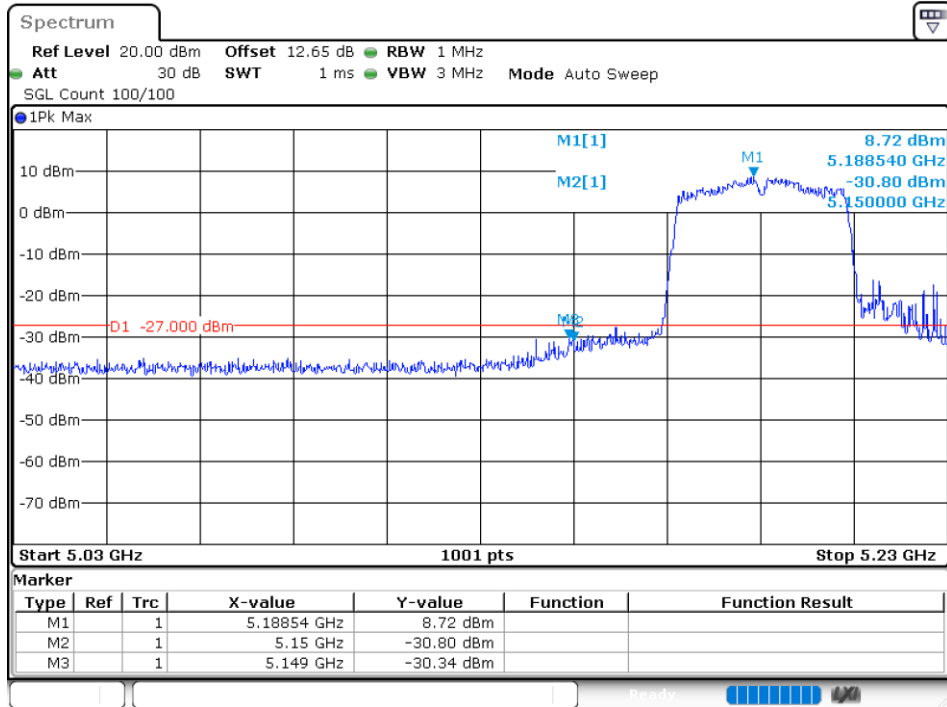
Band Edge NVNT n20 5180MHz Low Ant1



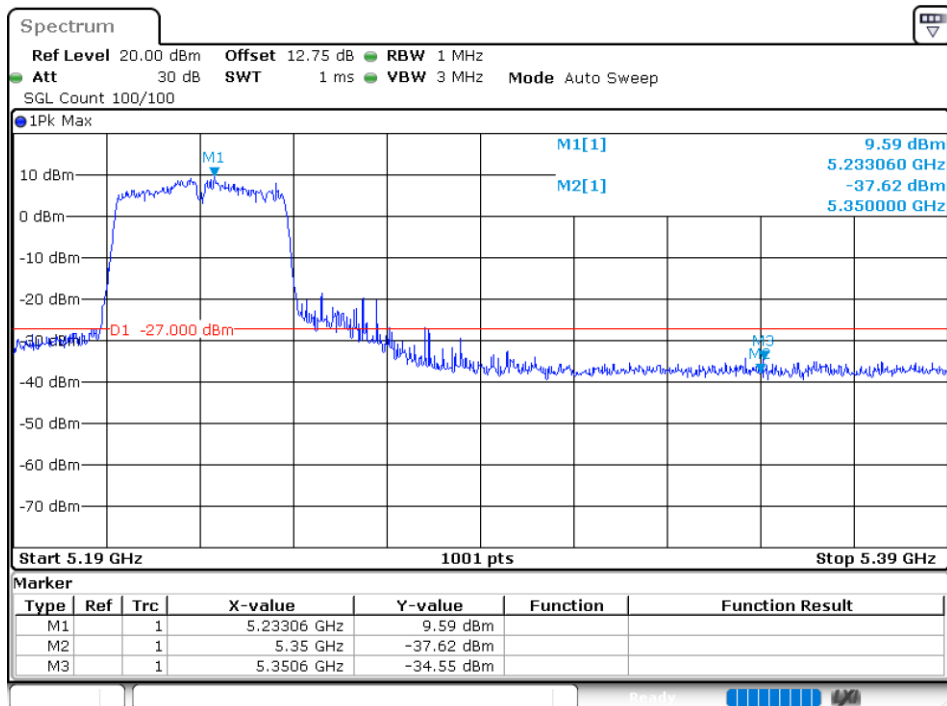
Band Edge NVNT n20 5240MHz High Ant1



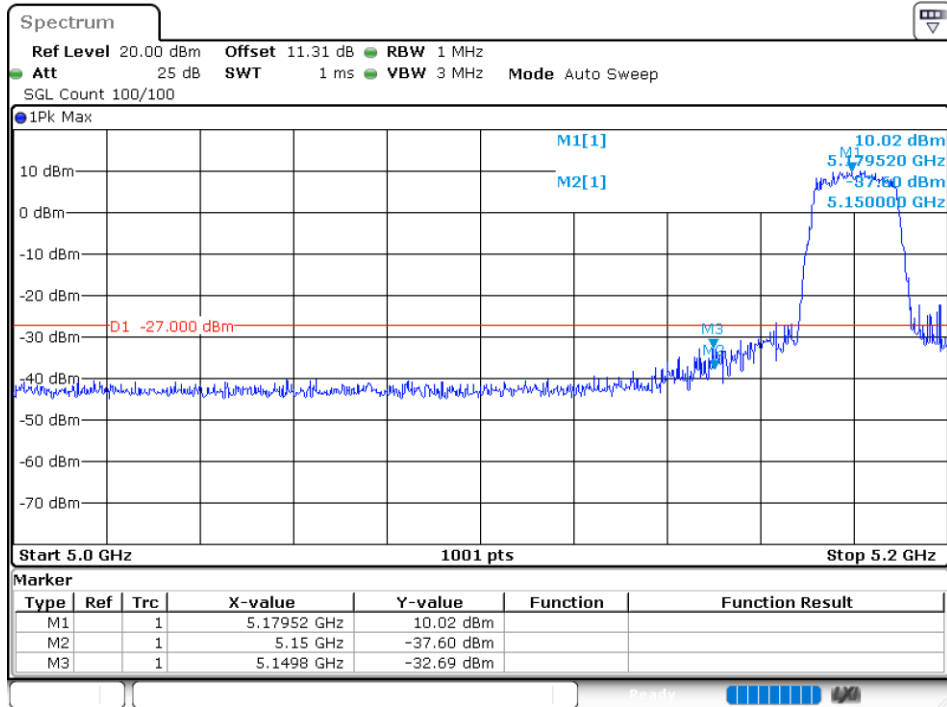
Band Edge NVNT n40 5190MHz Low Ant1



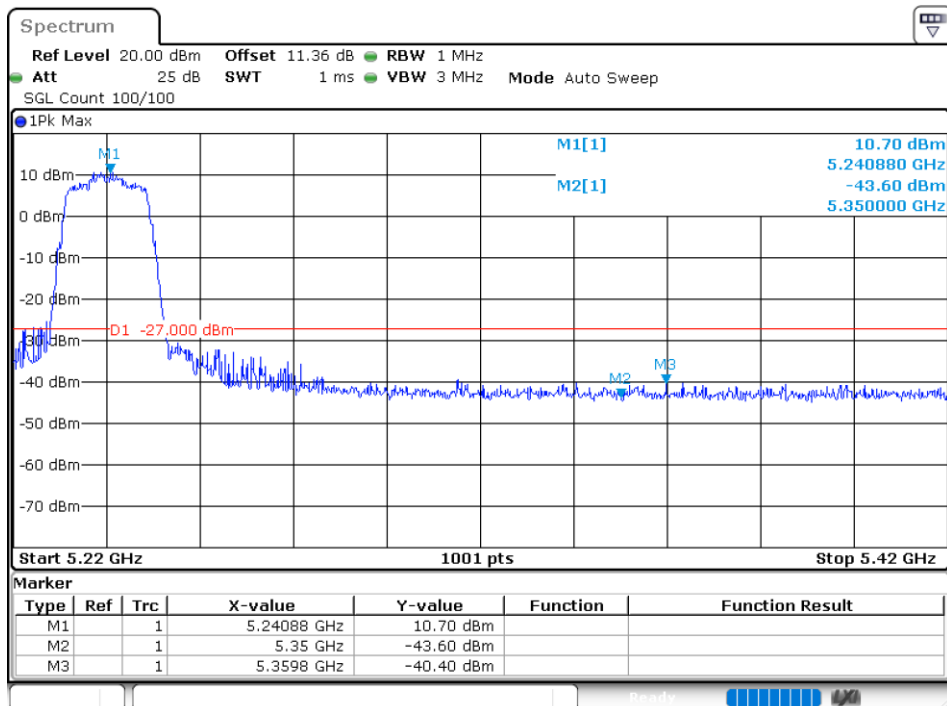
Band Edge NVNT n40 5230MHz High Ant1



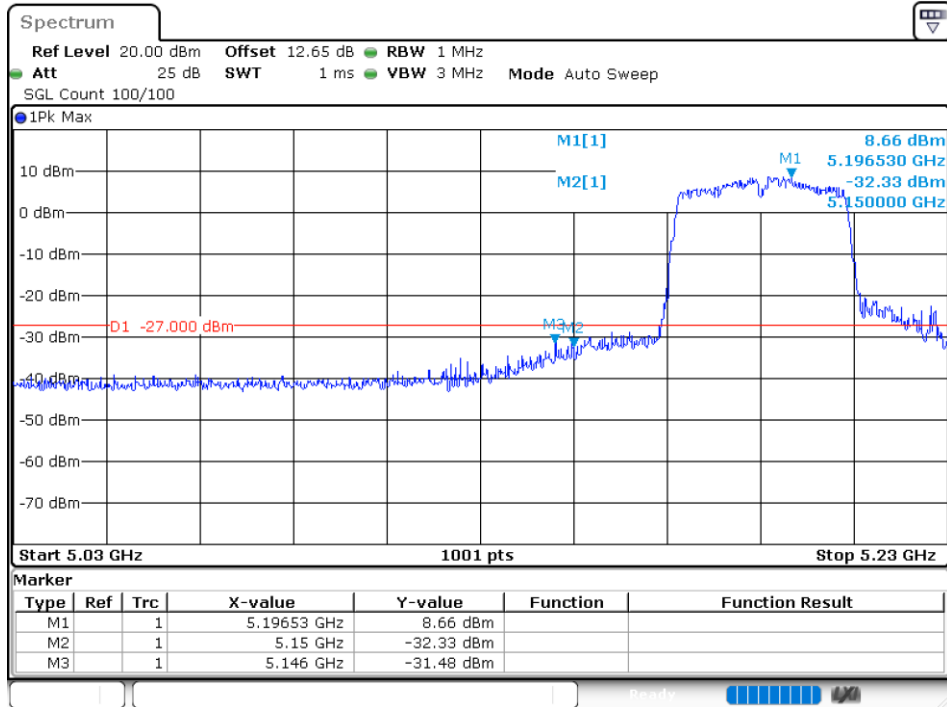
Band Edge NVNT ac20 5180MHz Low Ant1



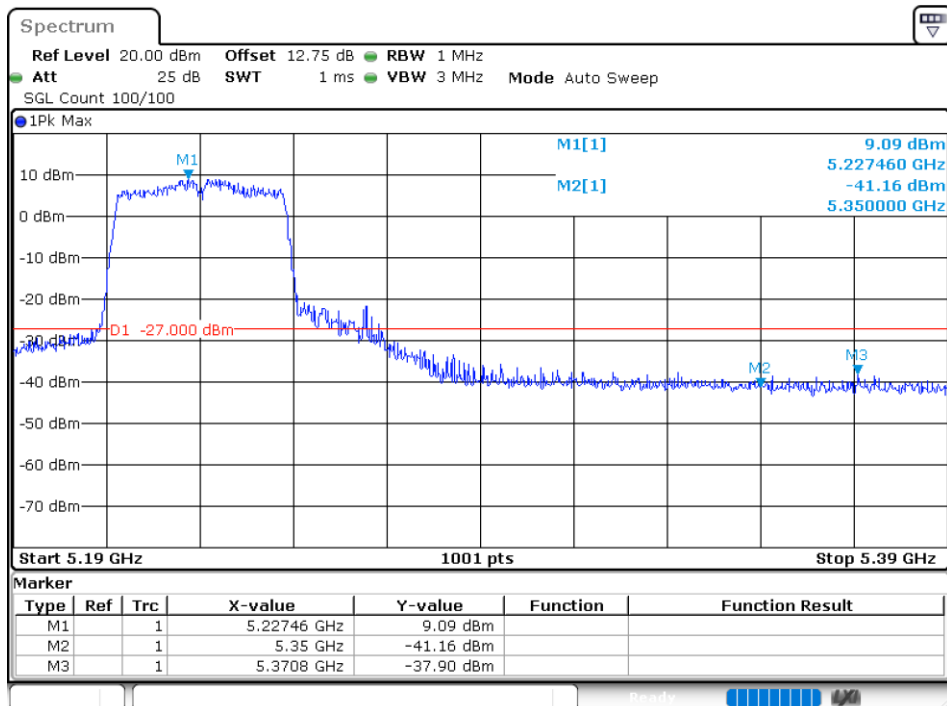
Band Edge NVNT ac20 5240MHz High Ant1

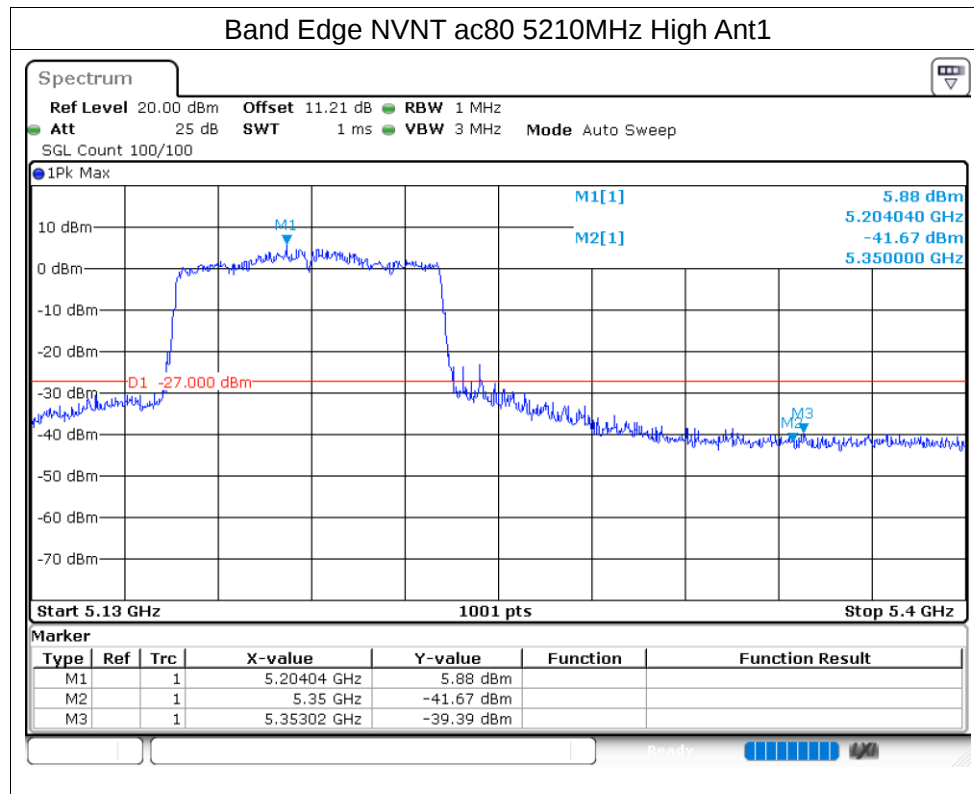


Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1



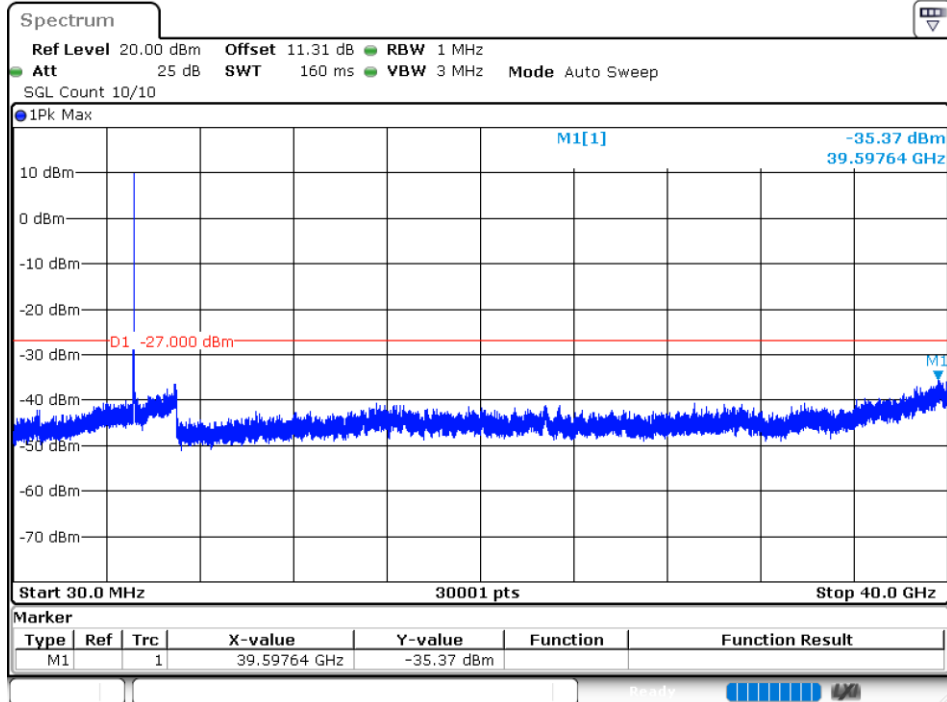


Conducted RF Spurious Emission

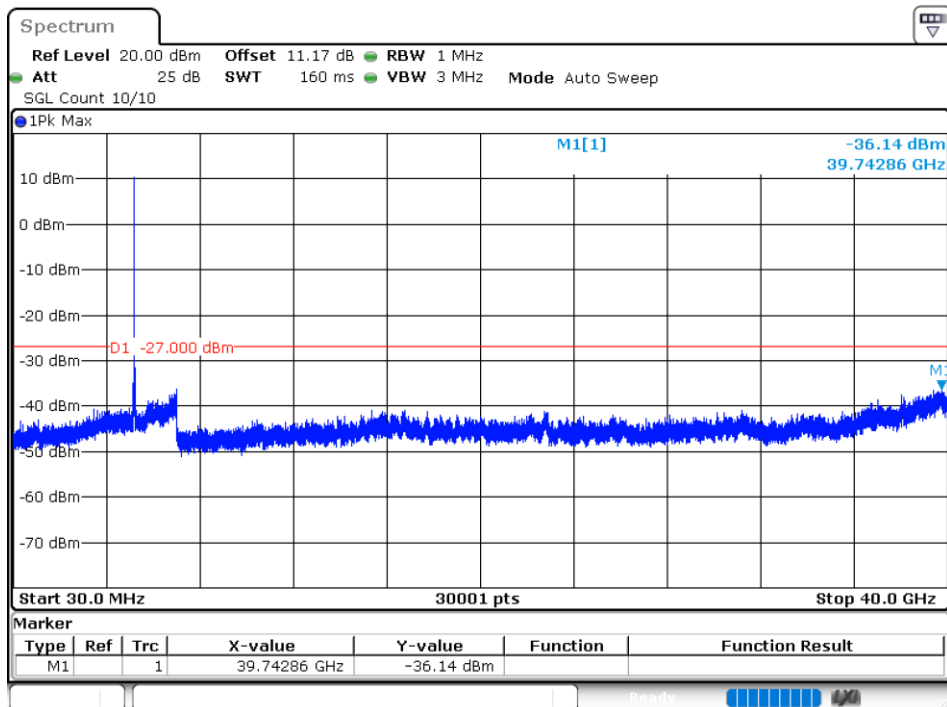
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.36	-27	Pass
NVNT	a	5200	Ant1	-36.14	-27	Pass
NVNT	a	5240	Ant1	-35.69	-27	Pass
NVNT	n20	5180	Ant1	-35.72	-27	Pass
NVNT	n20	5200	Ant1	-35.67	-27	Pass
NVNT	n20	5240	Ant1	-35.74	-27	Pass
NVNT	n40	5190	Ant1	-34.14	-27	Pass
NVNT	n40	5230	Ant1	-33.56	-27	Pass
NVNT	ac20	5180	Ant1	-36.85	-27	Pass
NVNT	ac20	5200	Ant1	-35.57	-27	Pass
NVNT	ac20	5240	Ant1	-35.75	-27	Pass
NVNT	ac40	5190	Ant1	-34.67	-27	Pass
NVNT	ac40	5230	Ant1	-34.36	-27	Pass
NVNT	ac80	5210	Ant1	-35.58	-27	Pass

Test Graphs

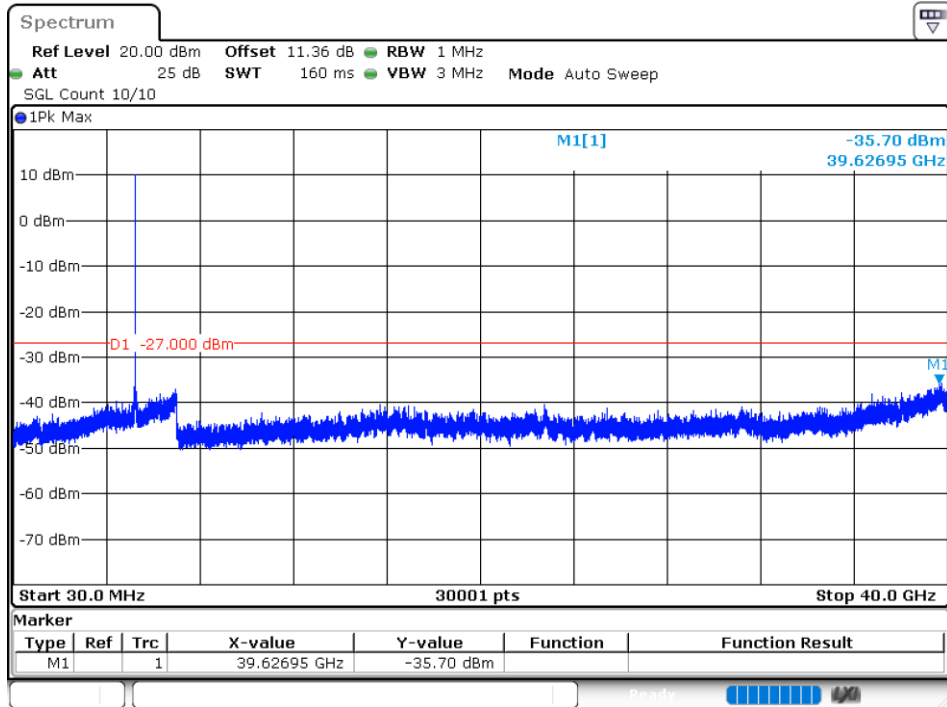
Tx. Spurious NVNT a 5180MHz Ant1 Emission



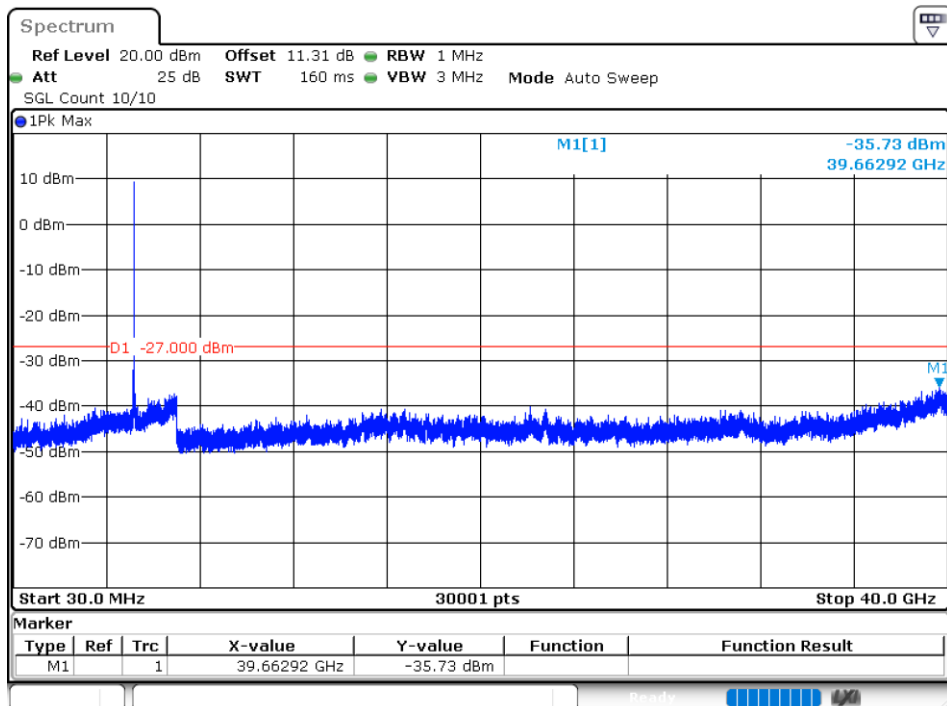
Tx. Spurious NVNT a 5200MHz Ant1 Emission



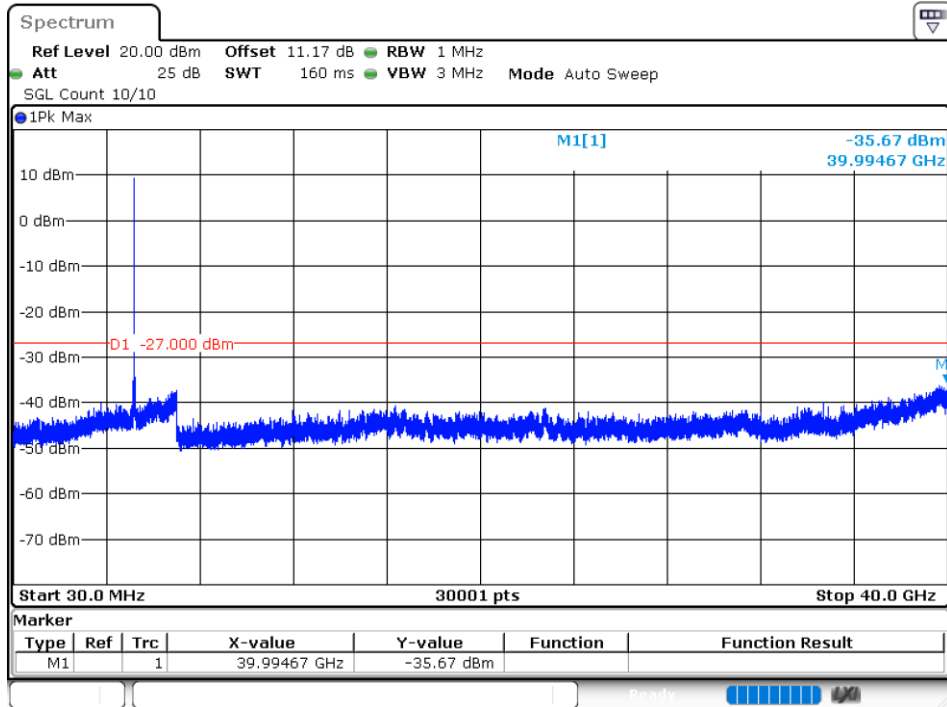
Tx. Spurious NVNT a 5240MHz Ant1 Emission



Tx. Spurious NVNT n20 5180MHz Ant1 Emission



Tx. Spurious NVNT n20 5200MHz Ant1 Emission



Tx. Spurious NVNT n20 5240MHz Ant1 Emission

