

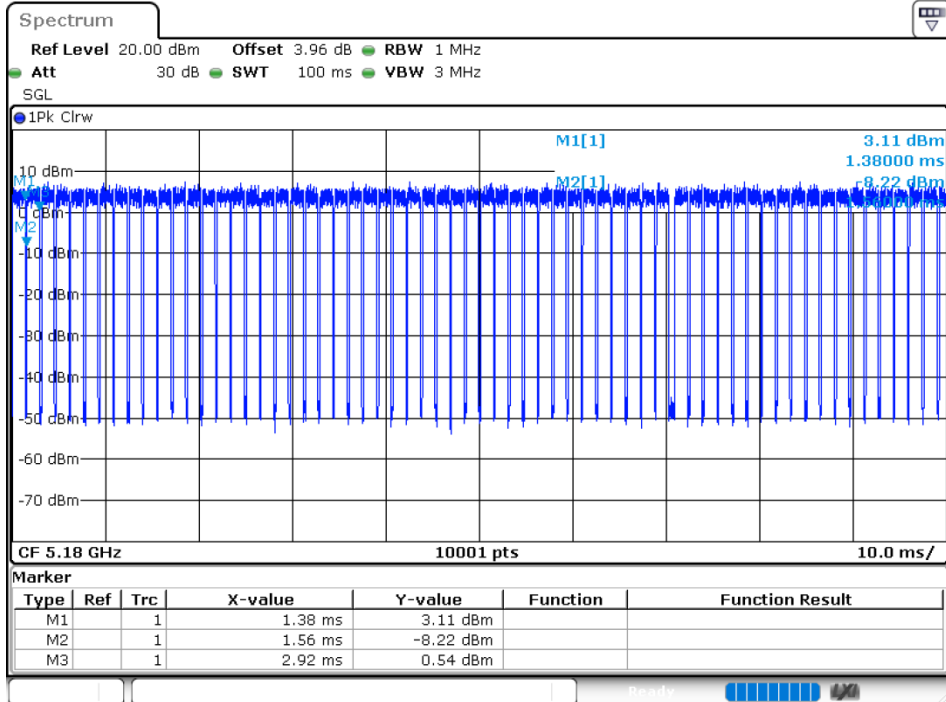
5.2G WIFI

Duty Cycle

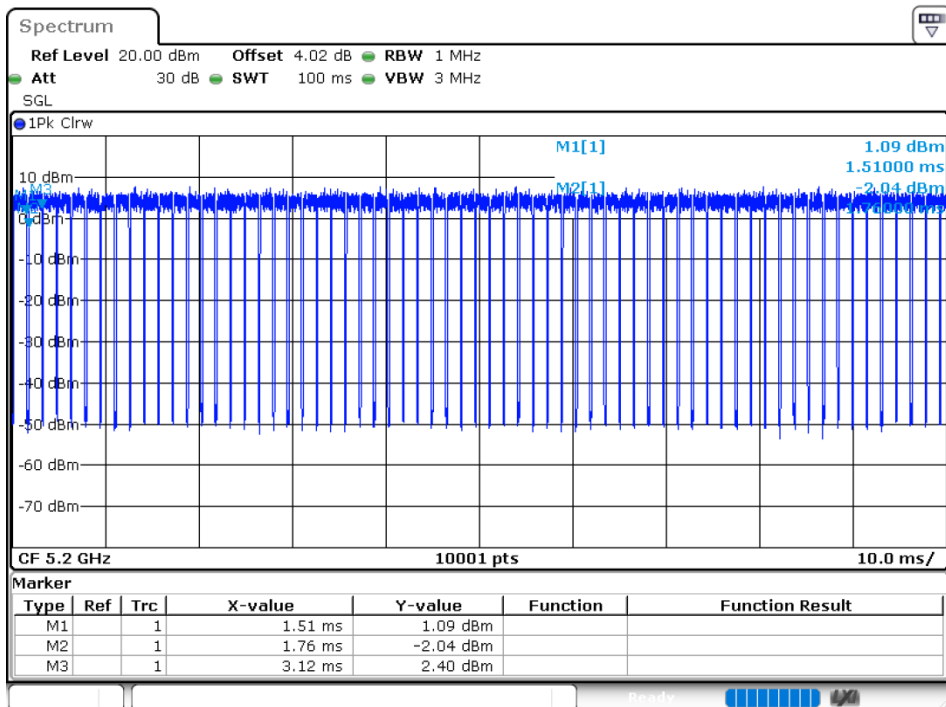
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	87.16	0.6	0.74
NVNT	a	5200	Ant1	88.42	0.53	0.74
NVNT	a	5240	Ant1	88.37	0.54	0.74
NVNT	n20	5180	Ant1	87.83	0.56	0.79
NVNT	n20	5200	Ant1	88.41	0.53	0.79
NVNT	n20	5240	Ant1	88.22	0.54	0.78
NVNT	n40	5190	Ant1	78.61	1.05	1.56
NVNT	n40	5230	Ant1	79.05	1.02	1.59
NVNT	ac20	5180	Ant1	88.06	0.55	0.78
NVNT	ac20	5200	Ant1	88.66	0.52	0.78
NVNT	ac20	5240	Ant1	88.31	0.54	0.78
NVNT	ac40	5190	Ant1	78.77	1.04	1.56
NVNT	ac40	5230	Ant1	78.93	1.03	1.56
NVNT	ac80	5210	Ant1	65.84	1.81	3.13

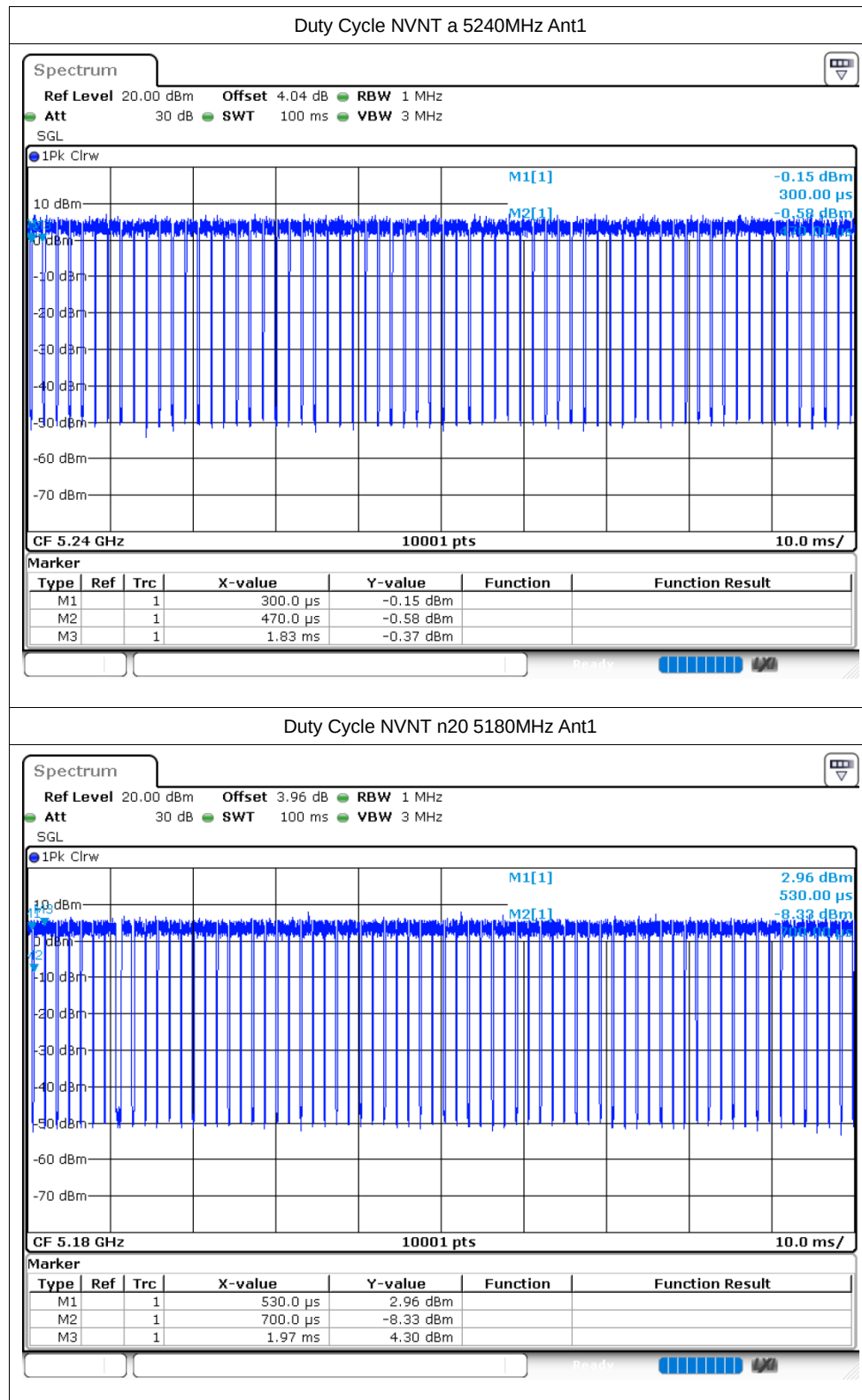
Test Graphs

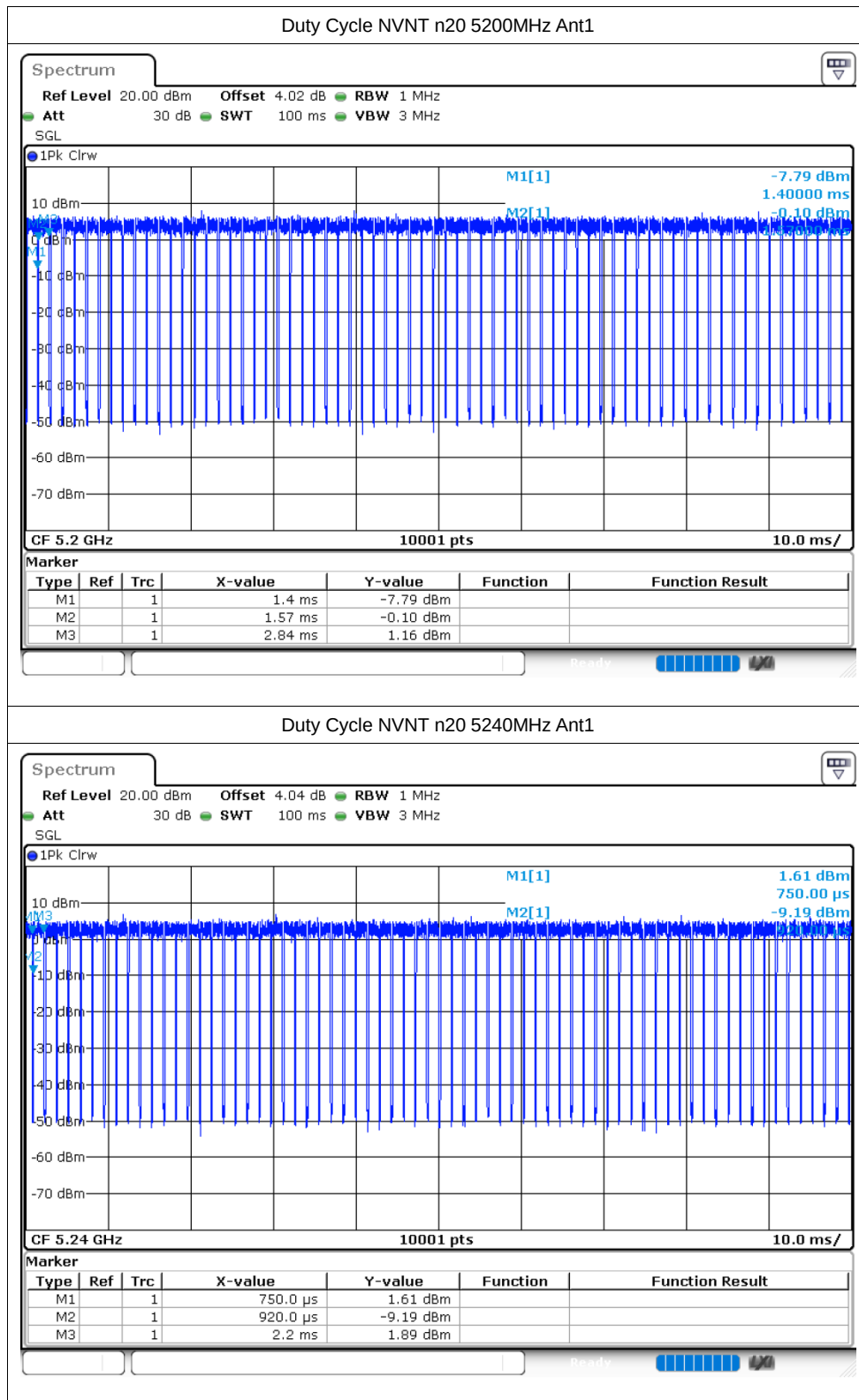
Duty Cycle NVNT a 5180MHz Ant1

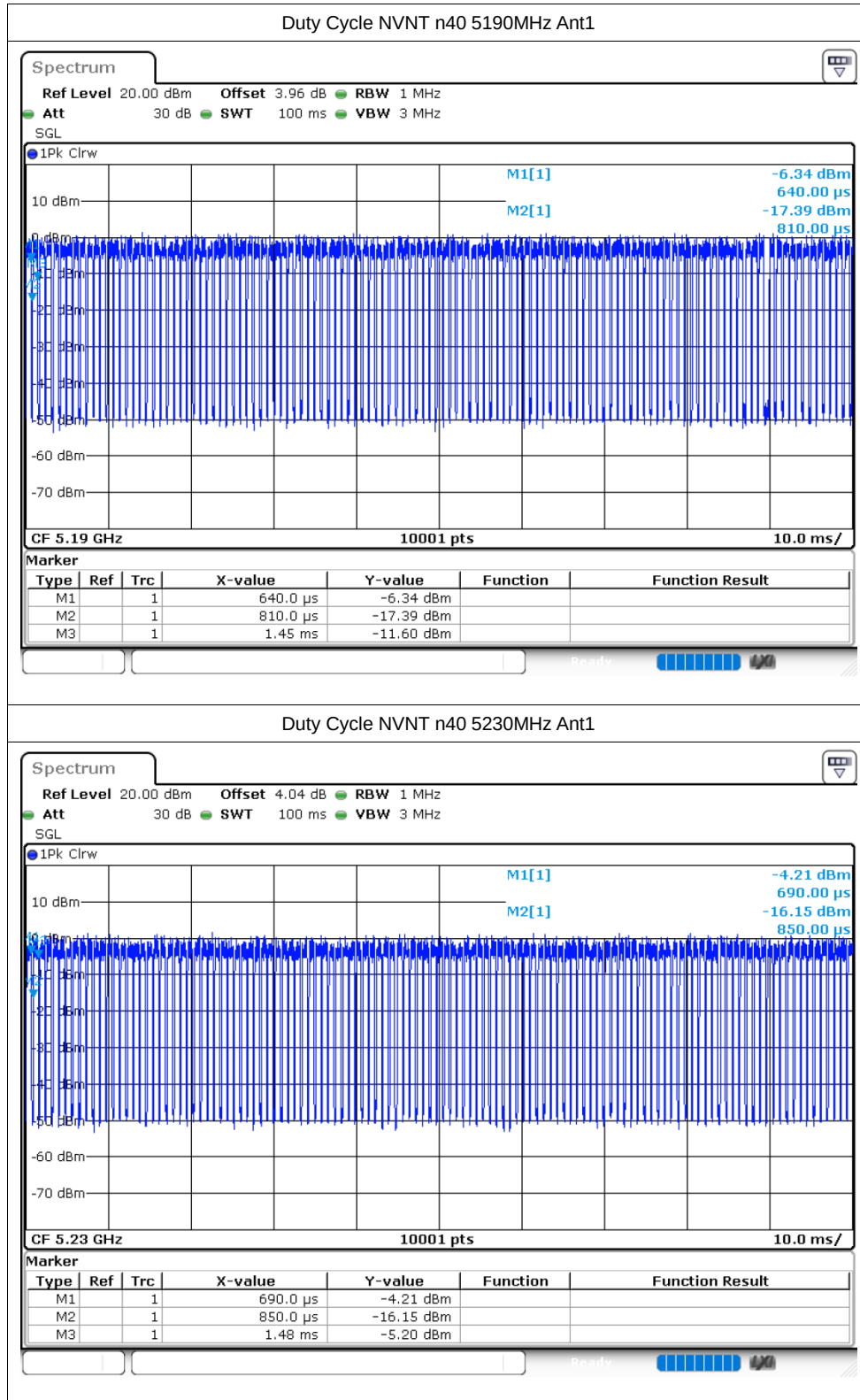


Duty Cycle NVNT a 5200MHz Ant1

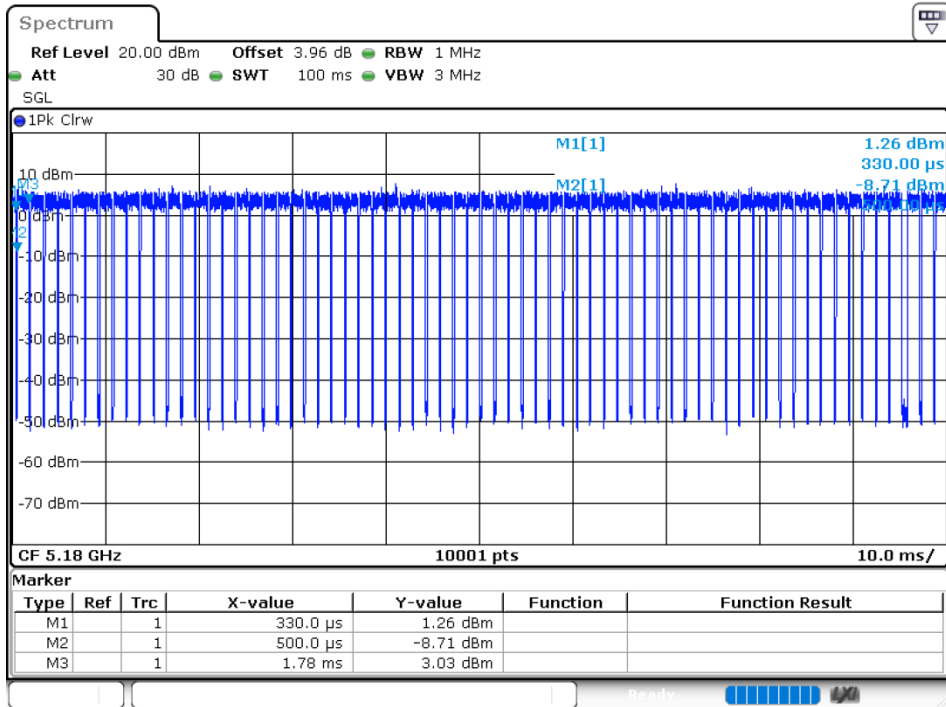




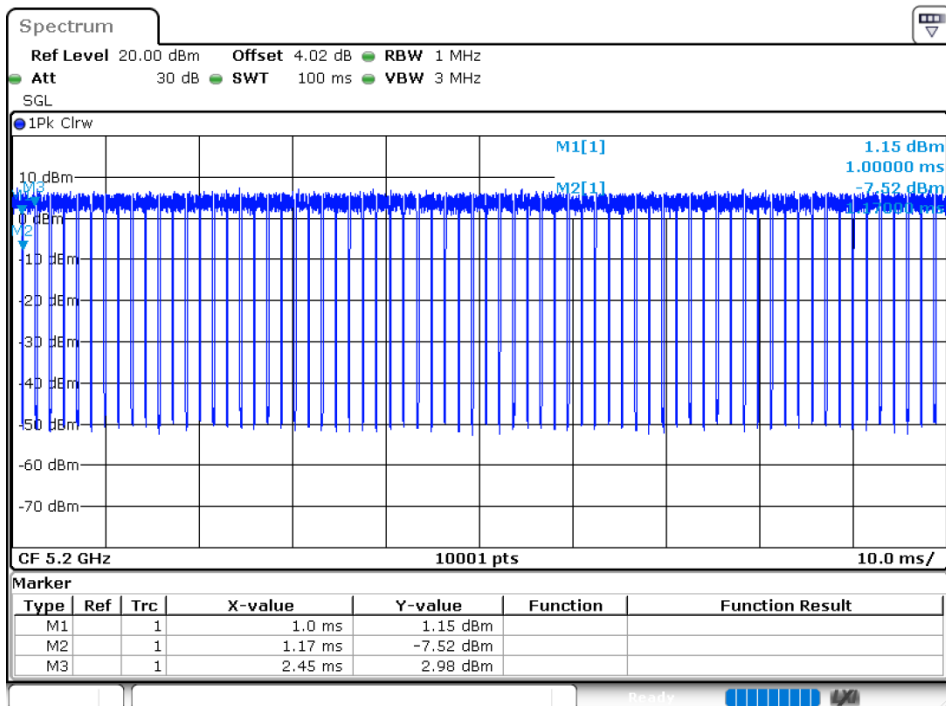


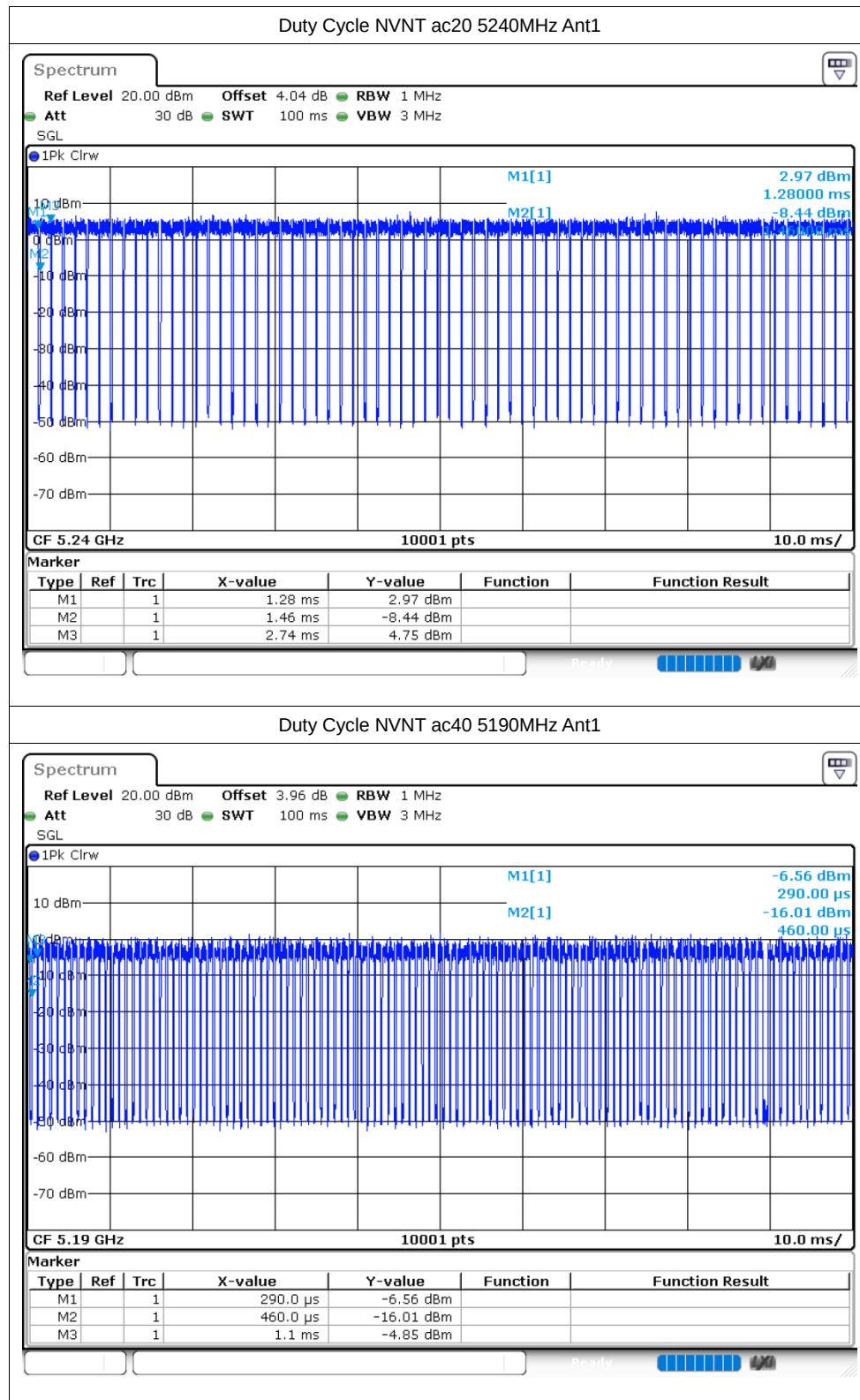


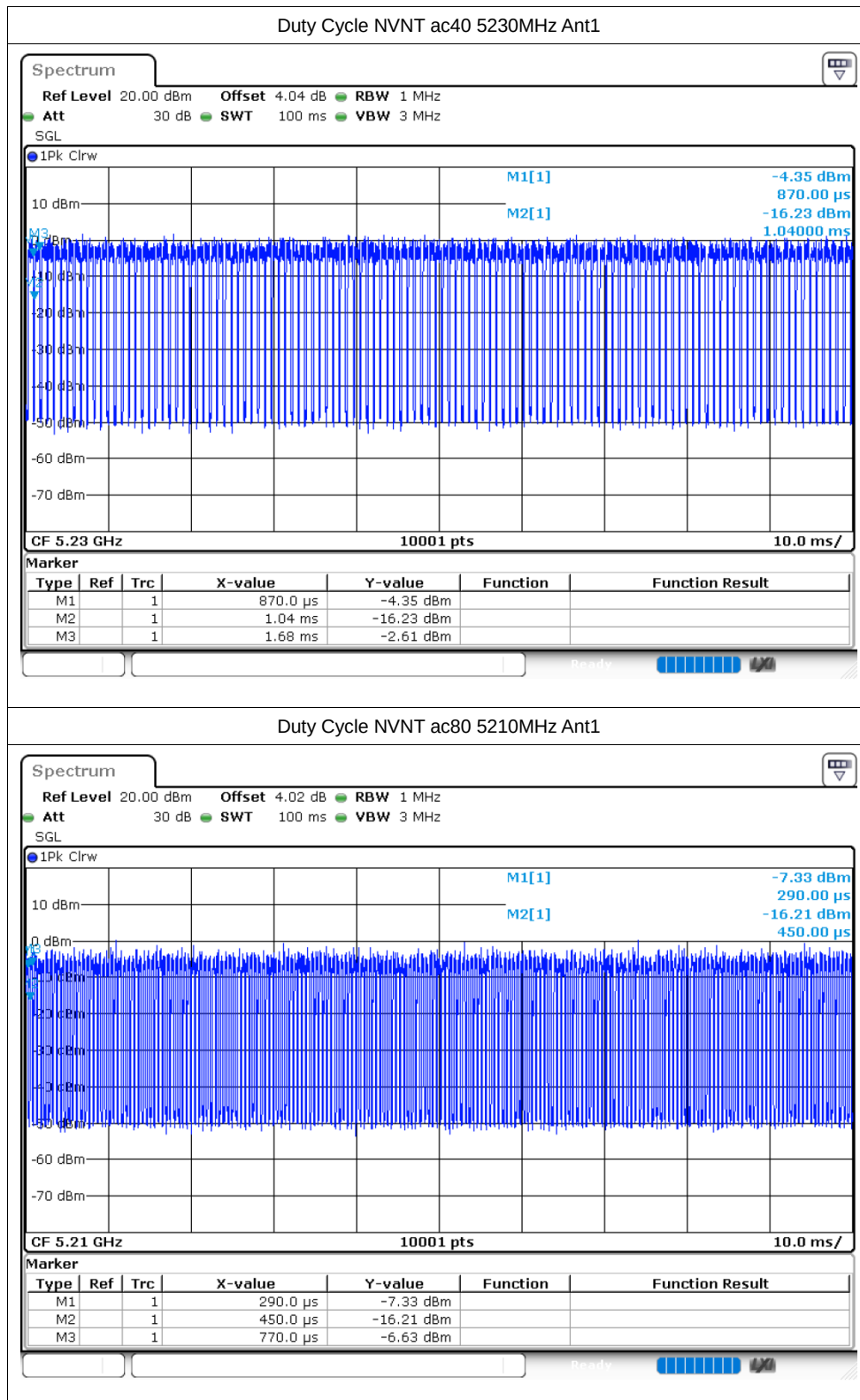
Duty Cycle NVNT ac20 5180MHz Ant1



Duty Cycle NVNT ac20 5200MHz Ant1







Maximum Conducted Output Power

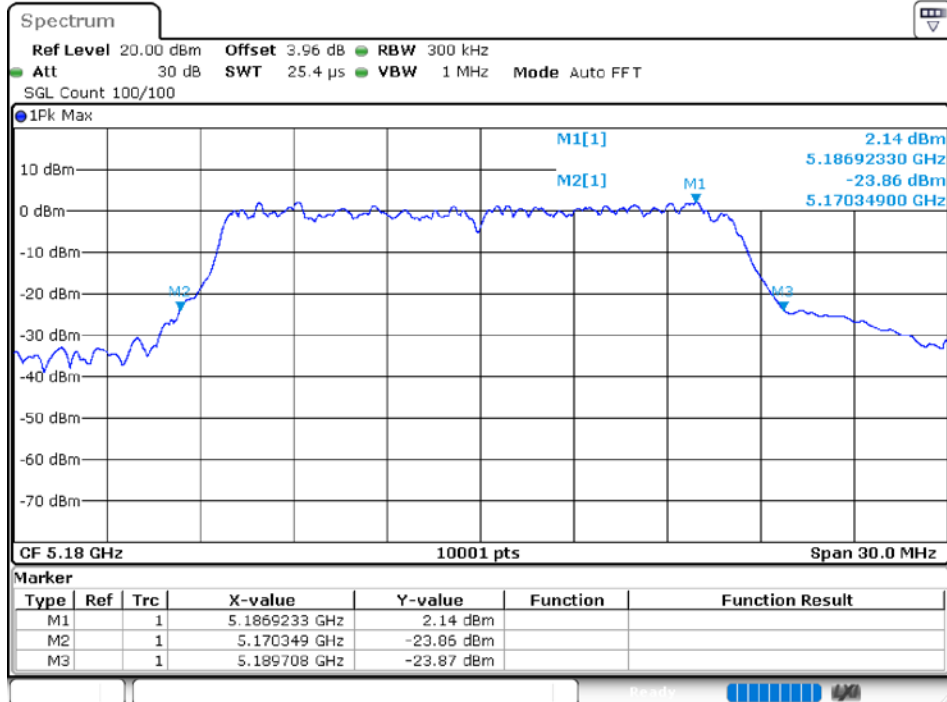
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.29	24	Pass
NVNT	a	5200	Ant1	12.43	24	Pass
NVNT	a	5240	Ant1	12.45	24	Pass
NVNT	n20	5180	Ant1	12.42	24	Pass
NVNT	n20	5200	Ant1	12.21	24	Pass
NVNT	n20	5240	Ant1	12.46	24	Pass
NVNT	n40	5190	Ant1	12.44	24	Pass
NVNT	n40	5230	Ant1	12.51	24	Pass
NVNT	ac20	5180	Ant1	12.23	24	Pass
NVNT	ac20	5200	Ant1	12.45	24	Pass
NVNT	ac20	5240	Ant1	12.79	24	Pass
NVNT	ac40	5190	Ant1	12.73	24	Pass
NVNT	ac40	5230	Ant1	12.47	24	Pass
NVNT	ac80	5210	Ant1	12.18	24	Pass

-26dB Bandwidth

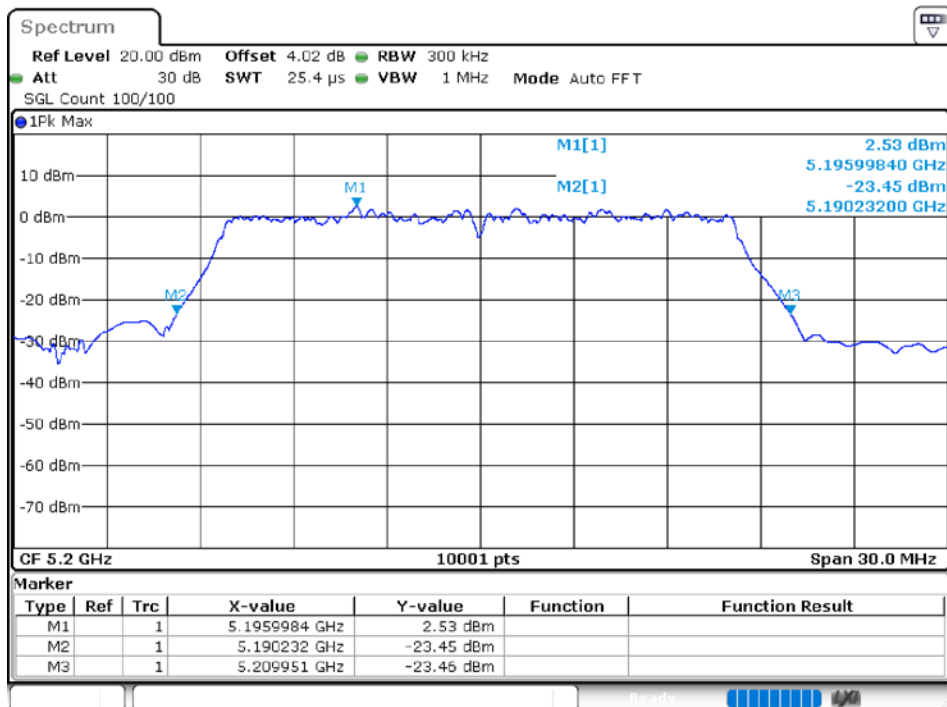
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.359	Pass
NVNT	a	5200	Ant1	19.719	Pass
NVNT	a	5240	Ant1	20.535	Pass
NVNT	n20	5180	Ant1	23.346	Pass
NVNT	n20	5200	Ant1	19.77	Pass
NVNT	n20	5240	Ant1	26.661	Pass
NVNT	n40	5190	Ant1	58.926	Pass
NVNT	n40	5230	Ant1	58.092	Pass
NVNT	ac20	5180	Ant1	19.854	Pass
NVNT	ac20	5200	Ant1	20.301	Pass
NVNT	ac20	5240	Ant1	19.59	Pass
NVNT	ac40	5190	Ant1	58.026	Pass
NVNT	ac40	5230	Ant1	55.17	Pass
NVNT	ac80	5210	Ant1	86.076	Pass

Test Graphs

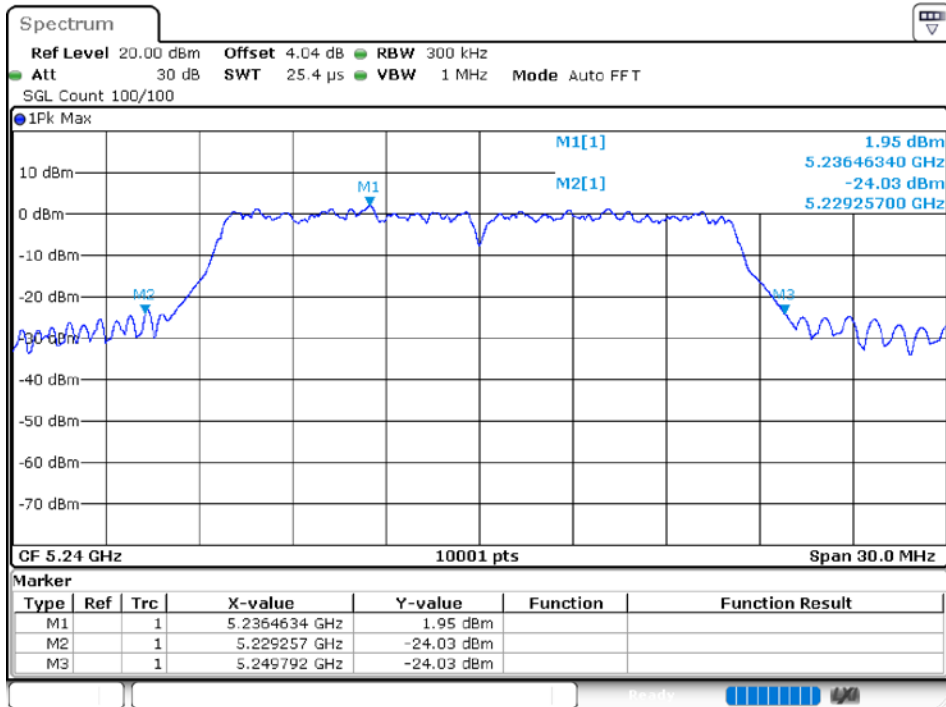
-26dB Bandwidth NVNT a 5180MHz Ant1



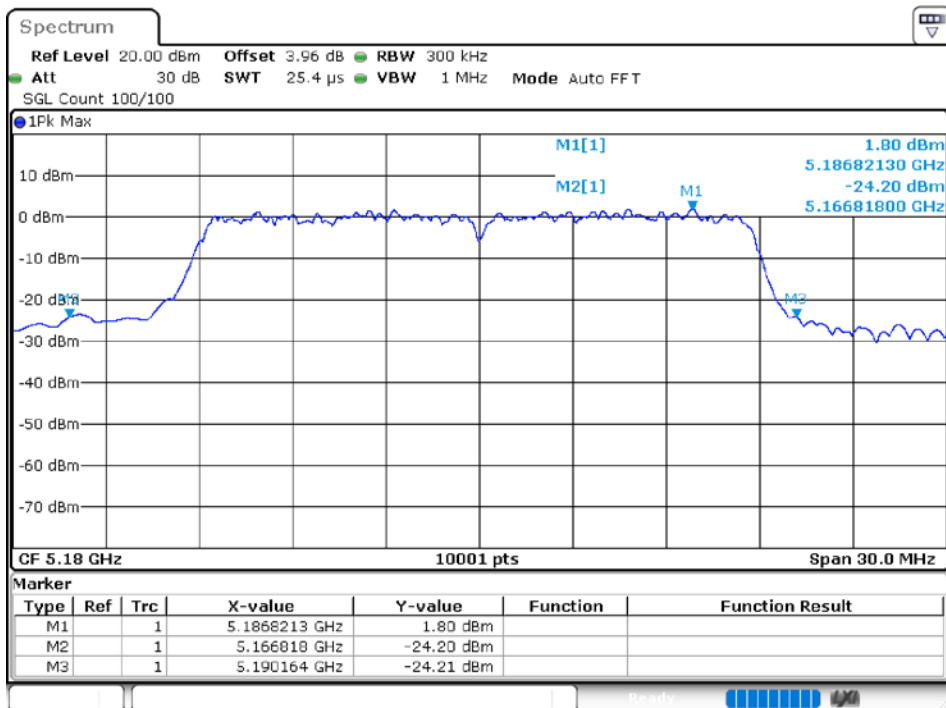
-26dB Bandwidth NVNT a 5200MHz Ant1



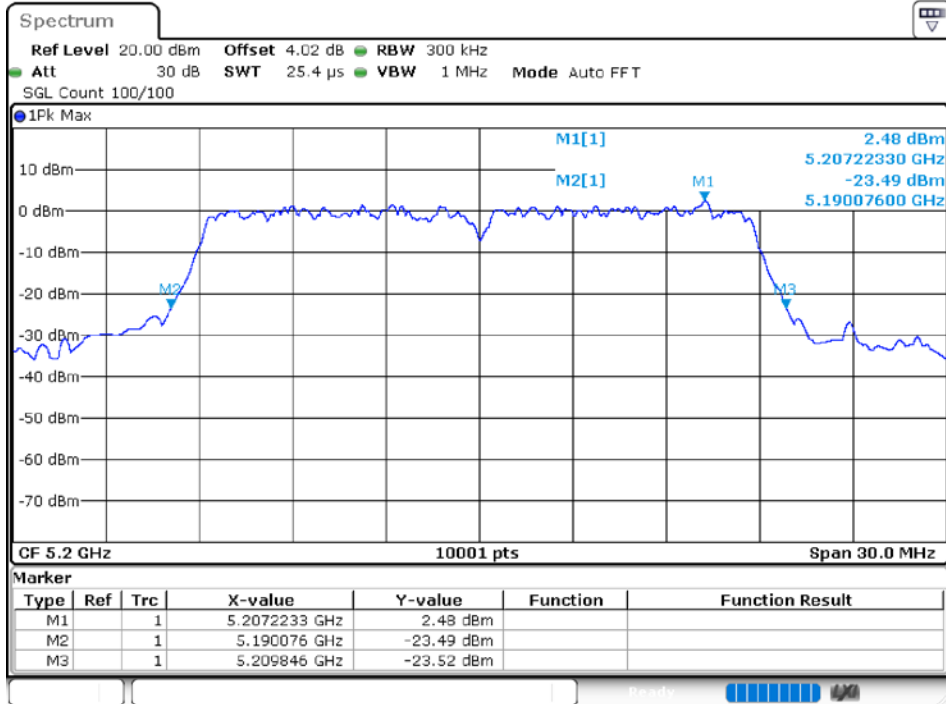
-26dB Bandwidth NVNT a 5240MHz Ant1



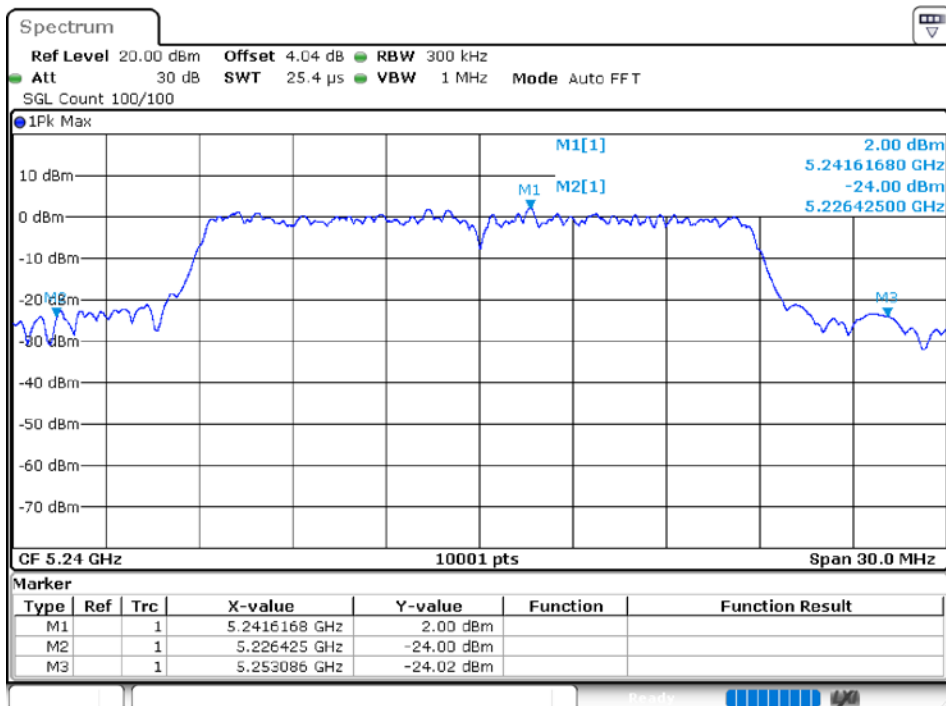
-26dB Bandwidth NVNT n20 5180MHz Ant1



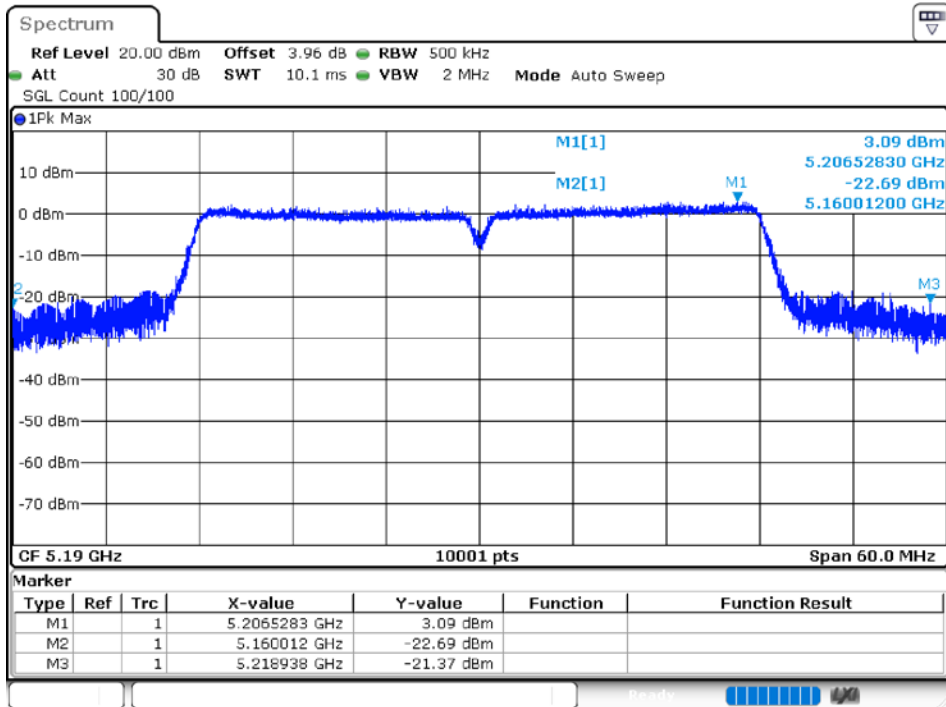
-26dB Bandwidth NVNT n20 5200MHz Ant1



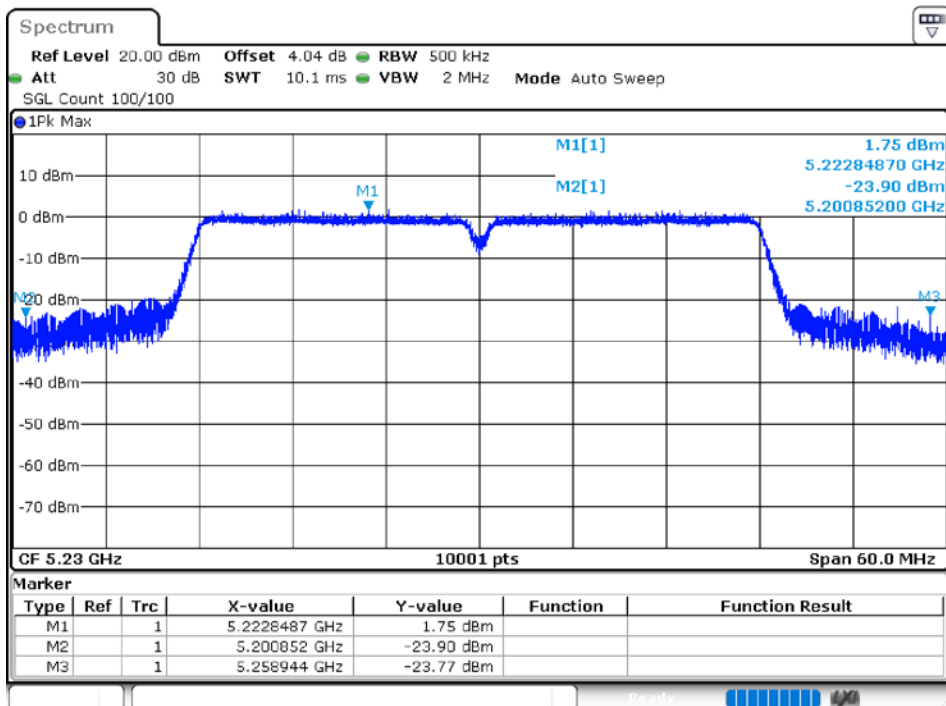
-26dB Bandwidth NVNT n20 5240MHz Ant1



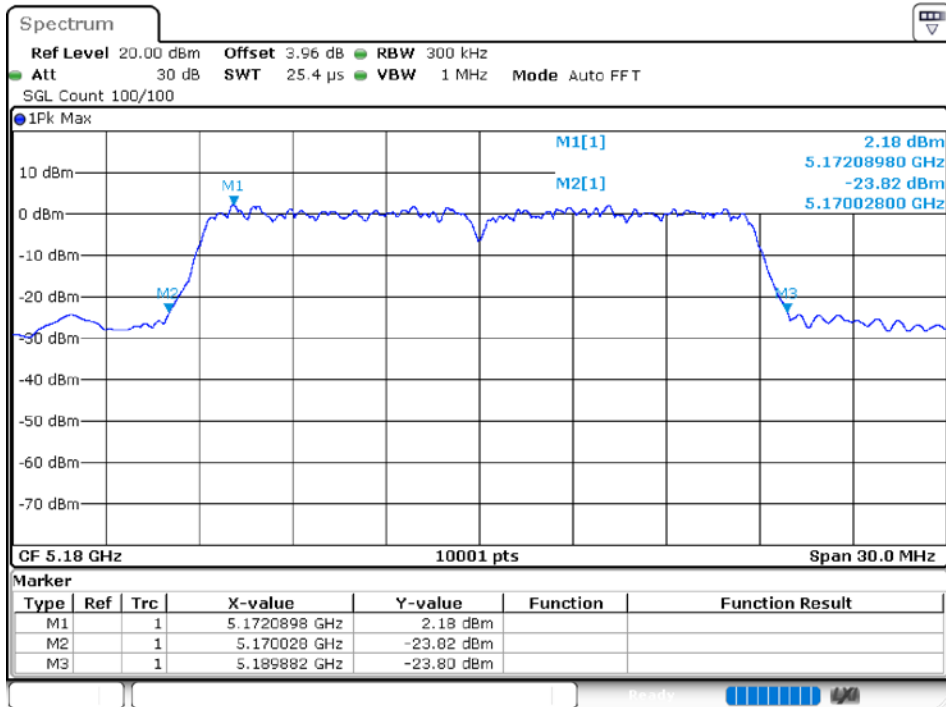
-26dB Bandwidth NVNT n40 5190MHz Ant1



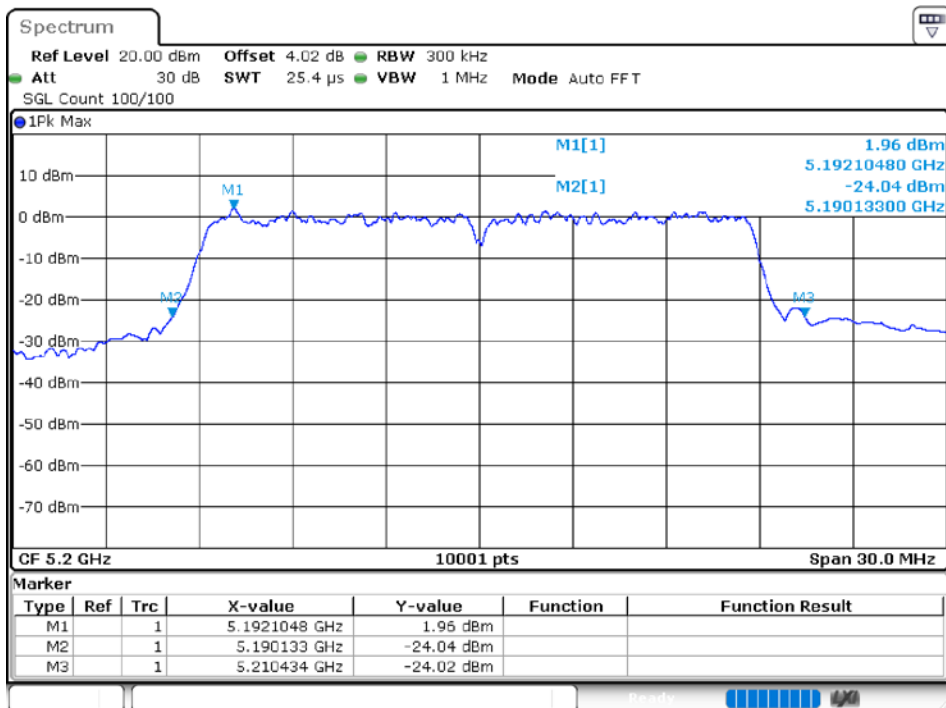
-26dB Bandwidth NVNT n40 5230MHz Ant1



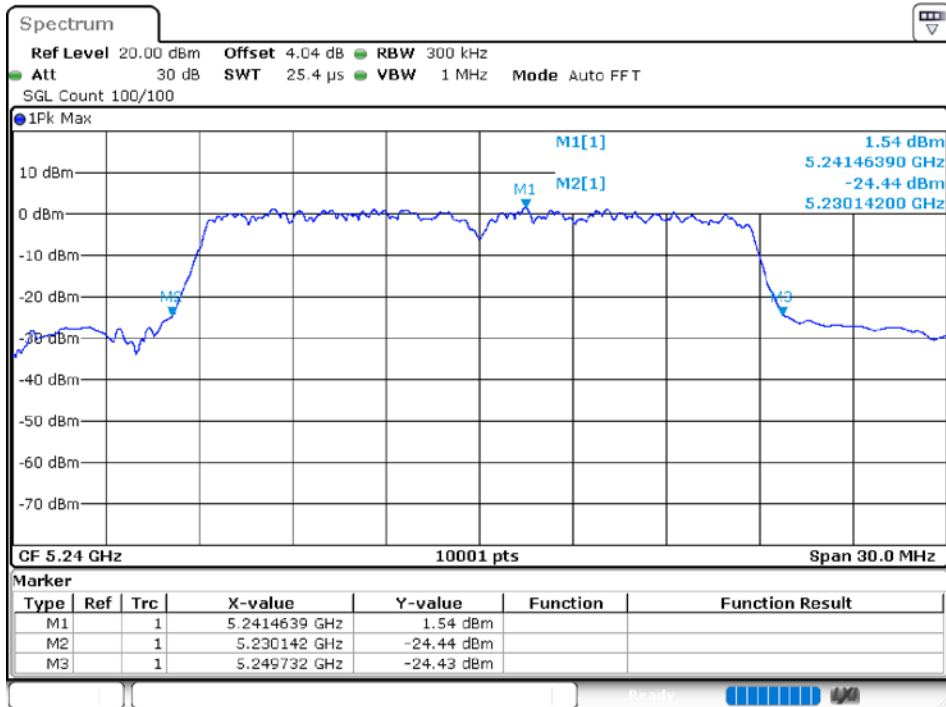
-26dB Bandwidth NVNT ac20 5180MHz Ant1



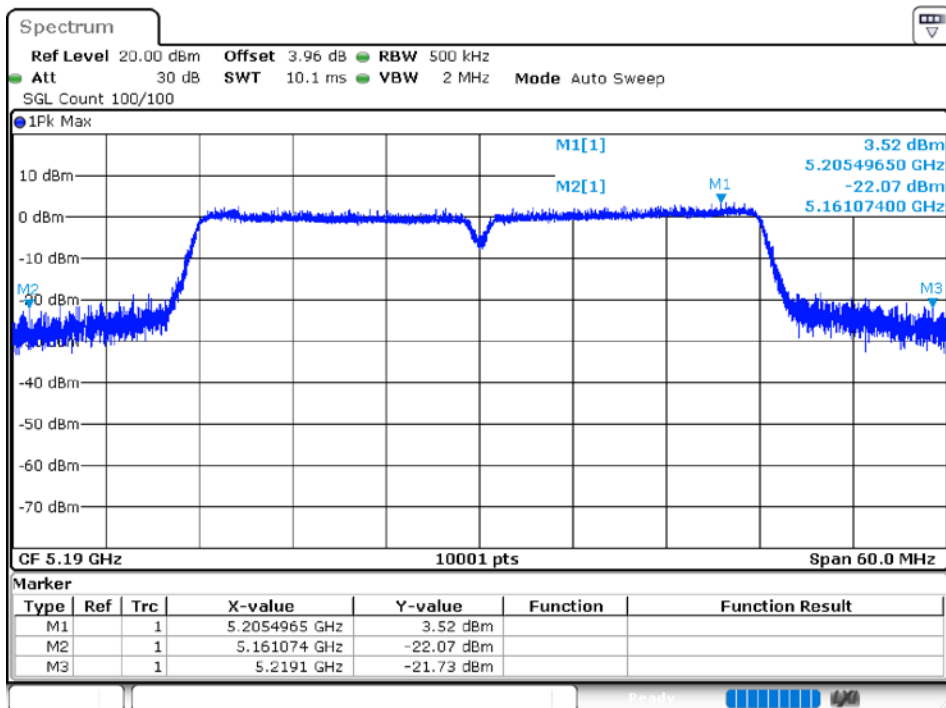
-26dB Bandwidth NVNT ac20 5200MHz Ant1



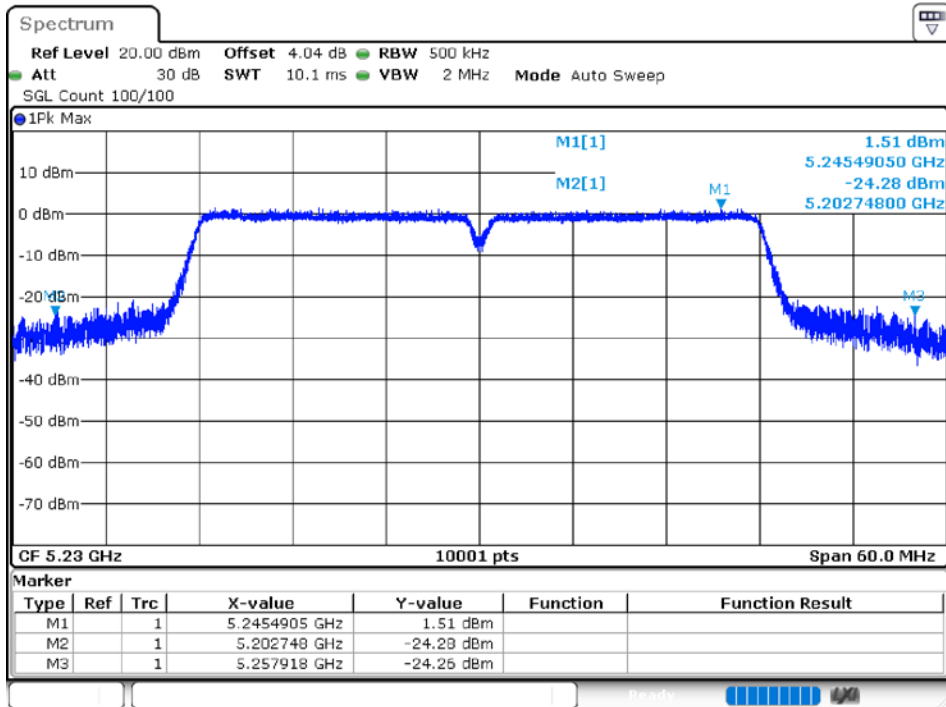
-26dB Bandwidth NVNT ac20 5240MHz Ant1



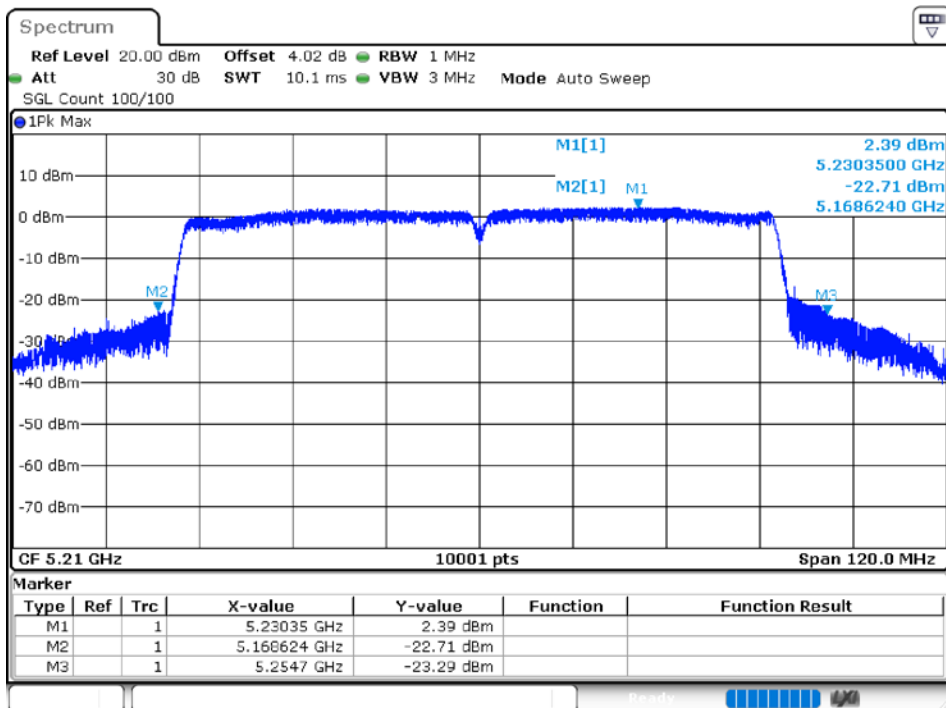
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1

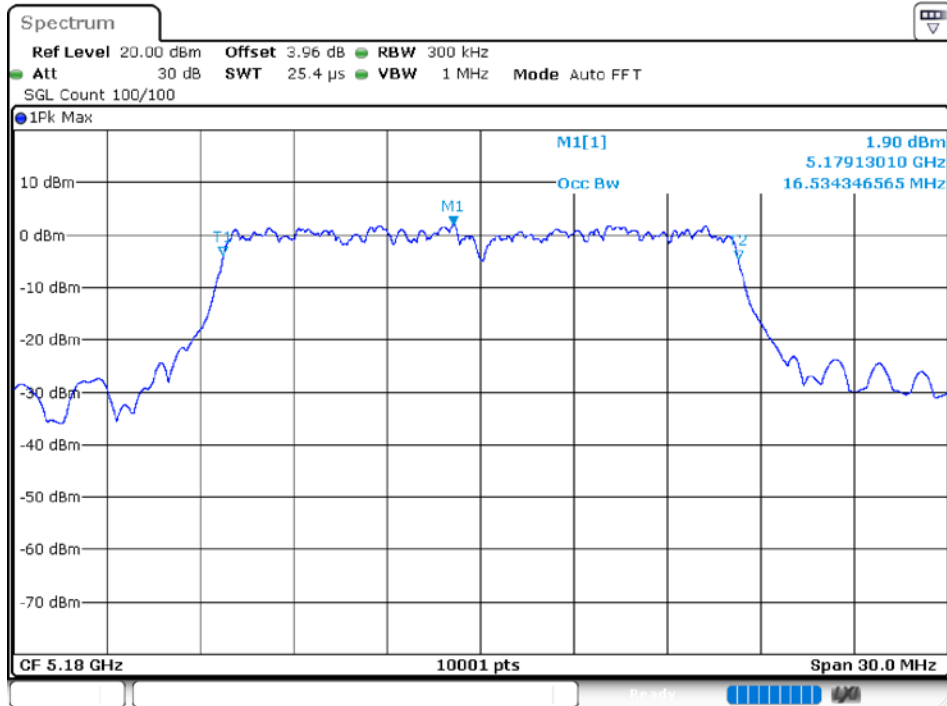


Occupied Channel Bandwidth

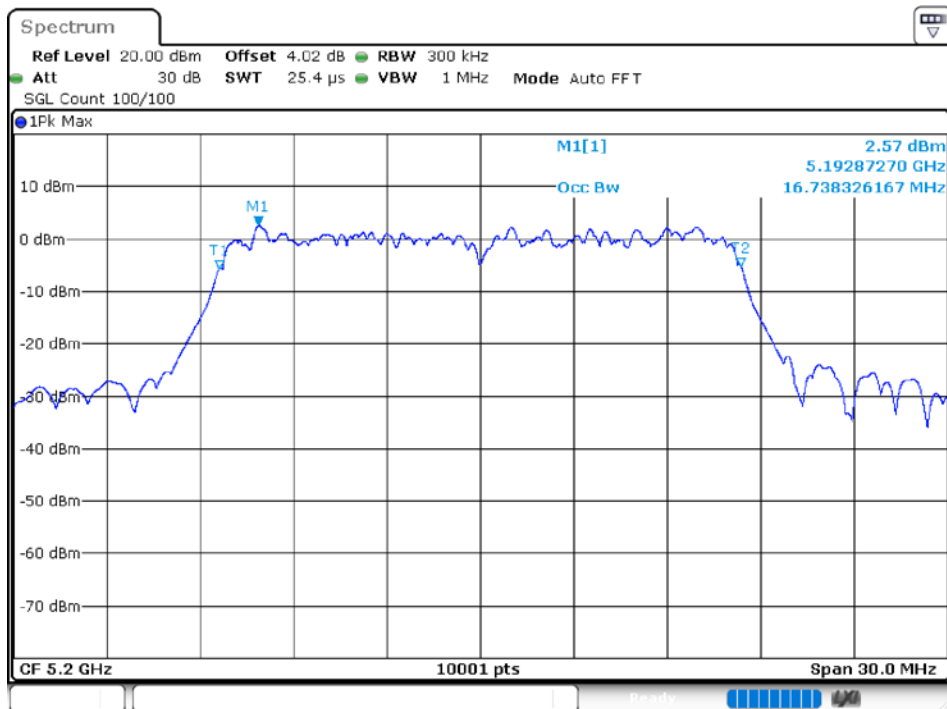
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.534
NVNT	a	5200	Ant1	16.738
NVNT	a	5240	Ant1	16.747
NVNT	n20	5180	Ant1	17.584
NVNT	n20	5200	Ant1	17.557
NVNT	n20	5240	Ant1	17.581
NVNT	n40	5190	Ant1	36.446
NVNT	n40	5230	Ant1	36.332
NVNT	ac20	5180	Ant1	17.695
NVNT	ac20	5200	Ant1	17.662
NVNT	ac20	5240	Ant1	17.728
NVNT	ac40	5190	Ant1	36.452
NVNT	ac40	5230	Ant1	36.332
NVNT	ac80	5210	Ant1	75.388

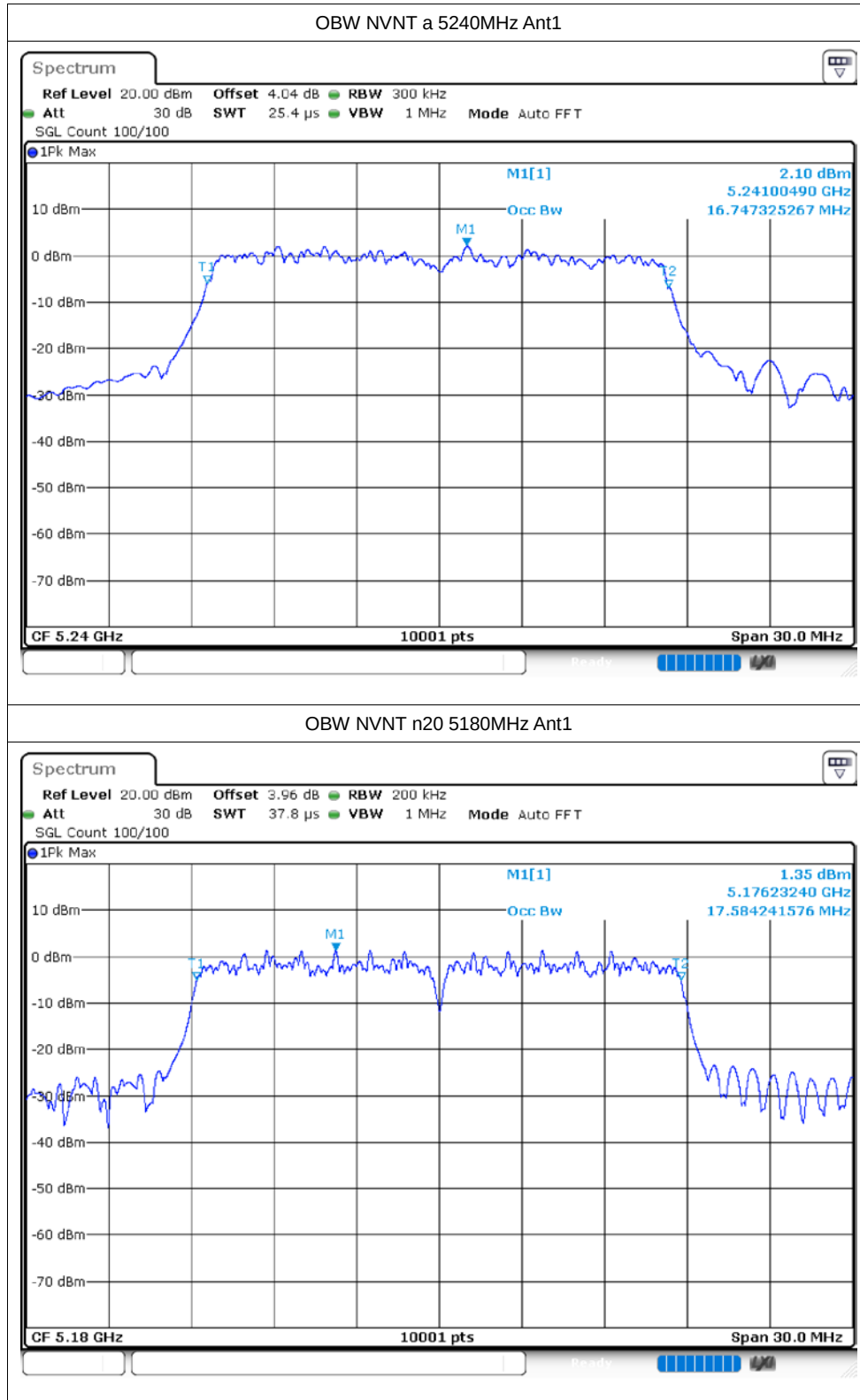
Test Graphs

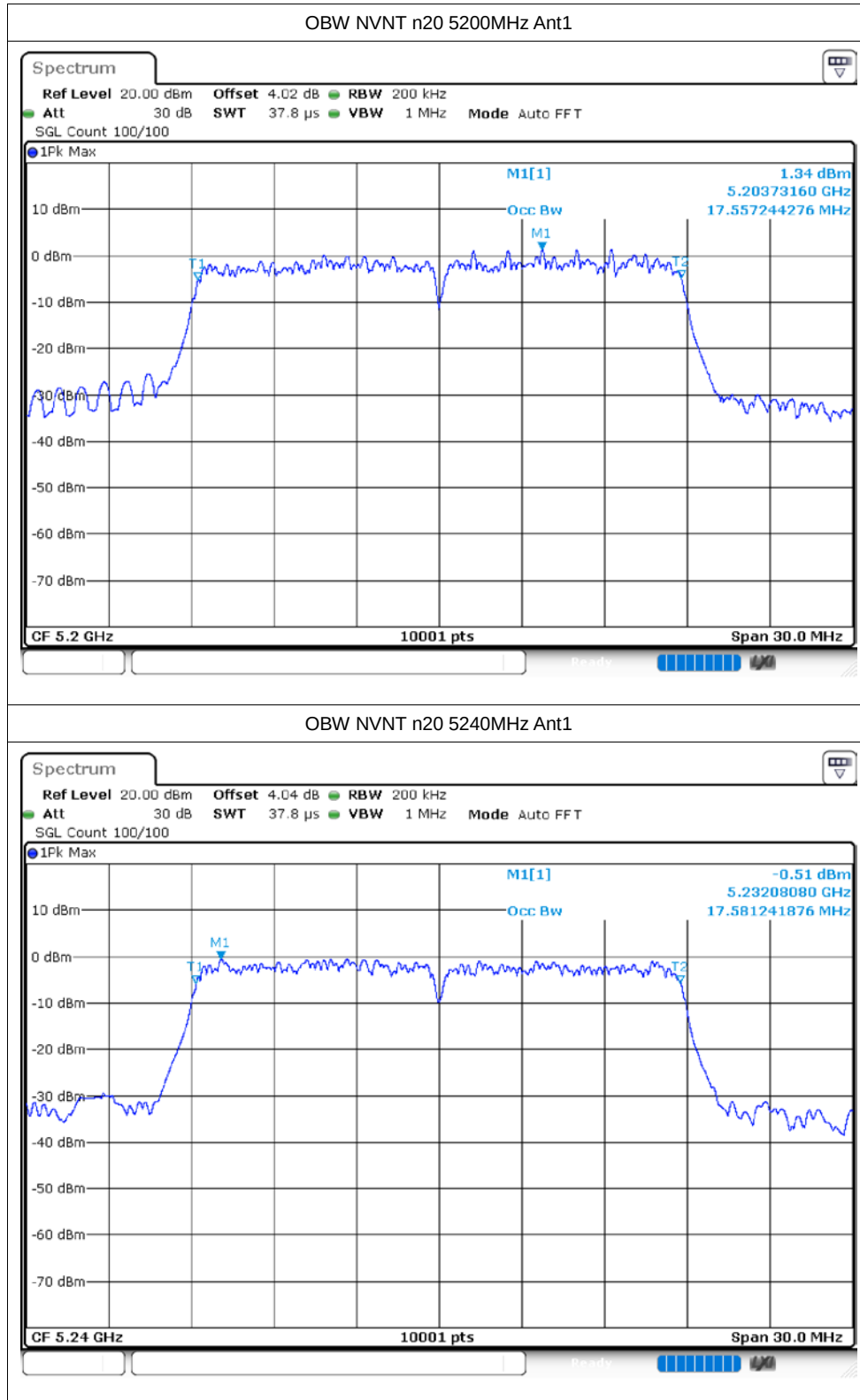
OBW NVNT a 5180MHz Ant1

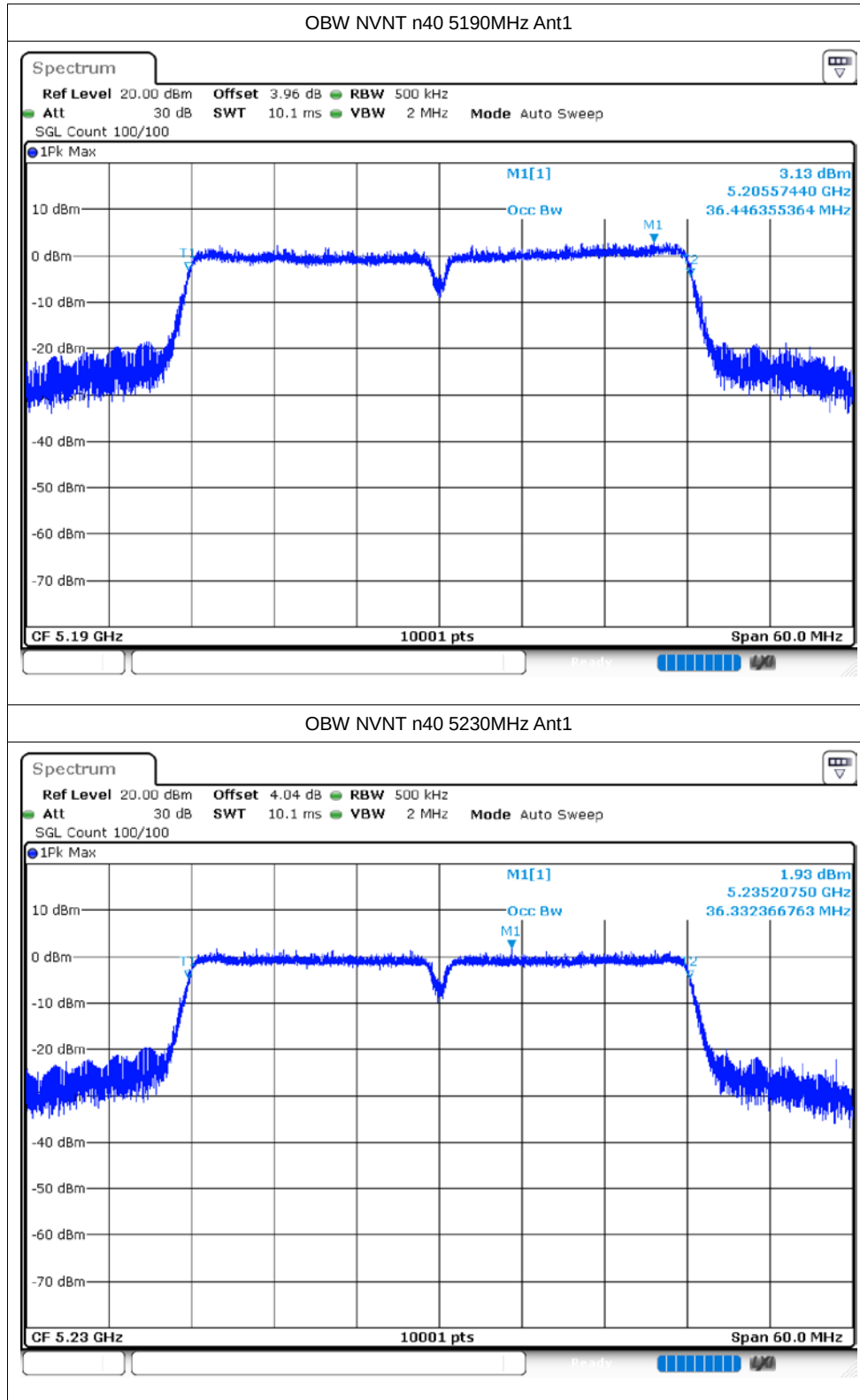


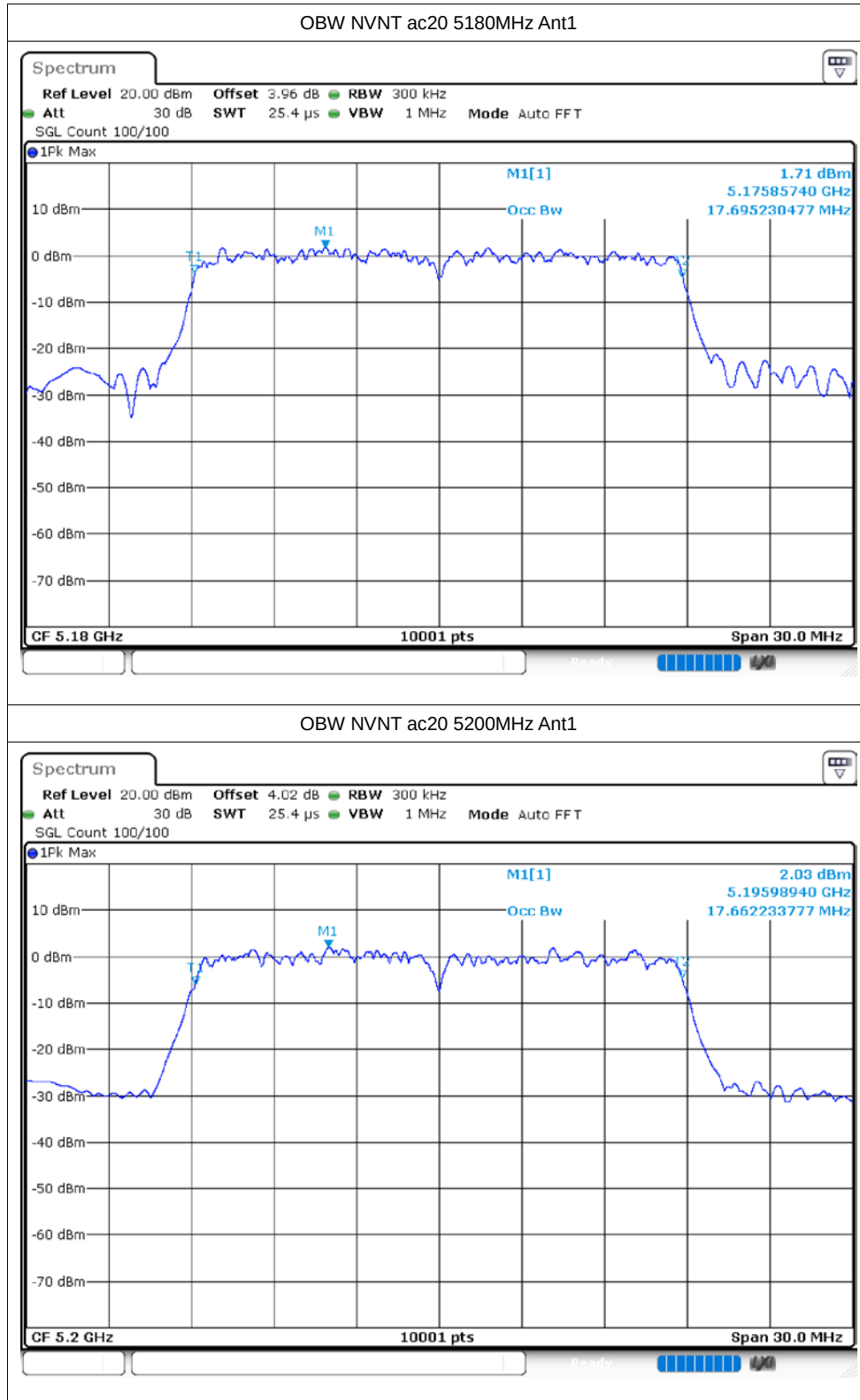
OBW NVNT a 5200MHz Ant1

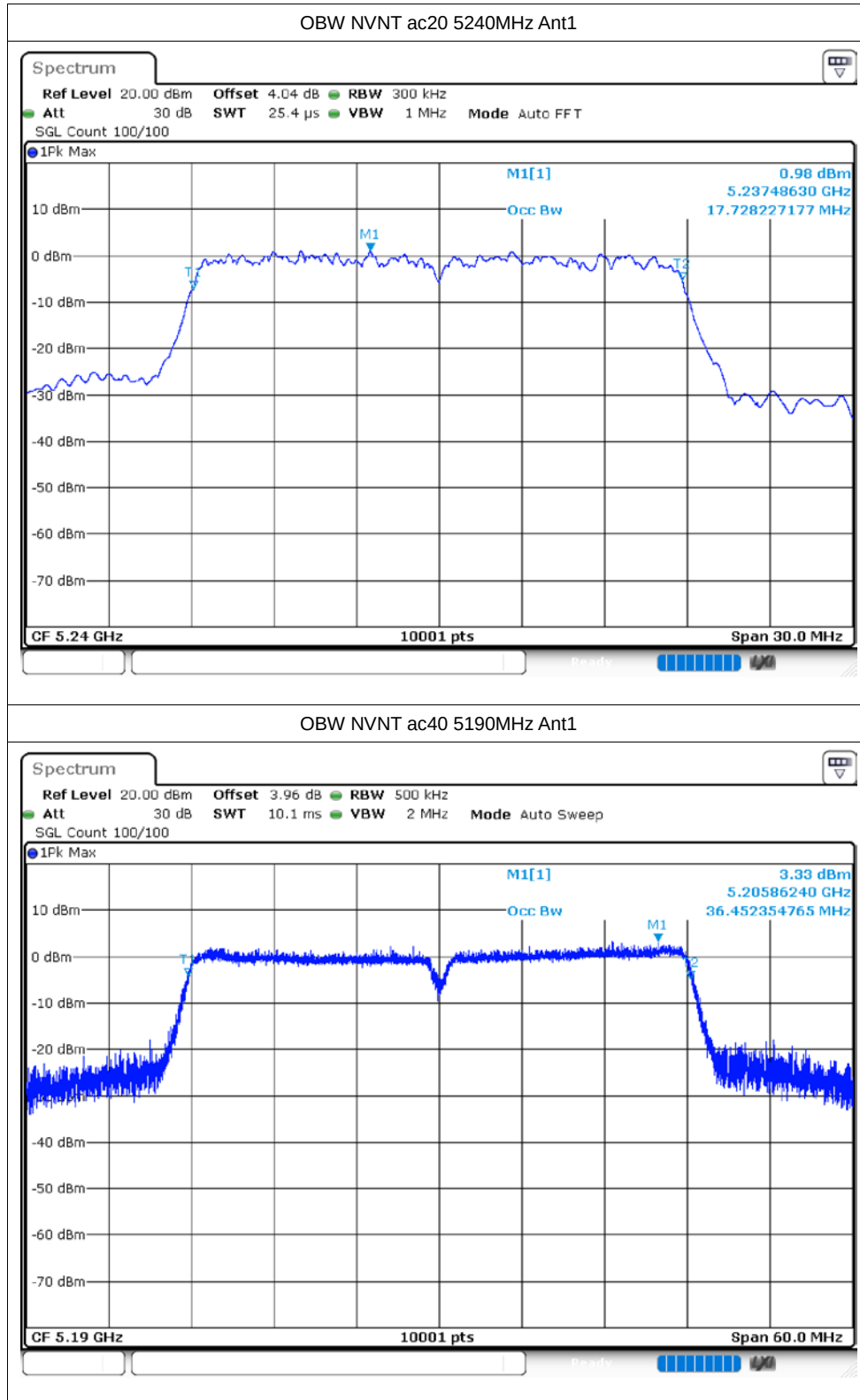


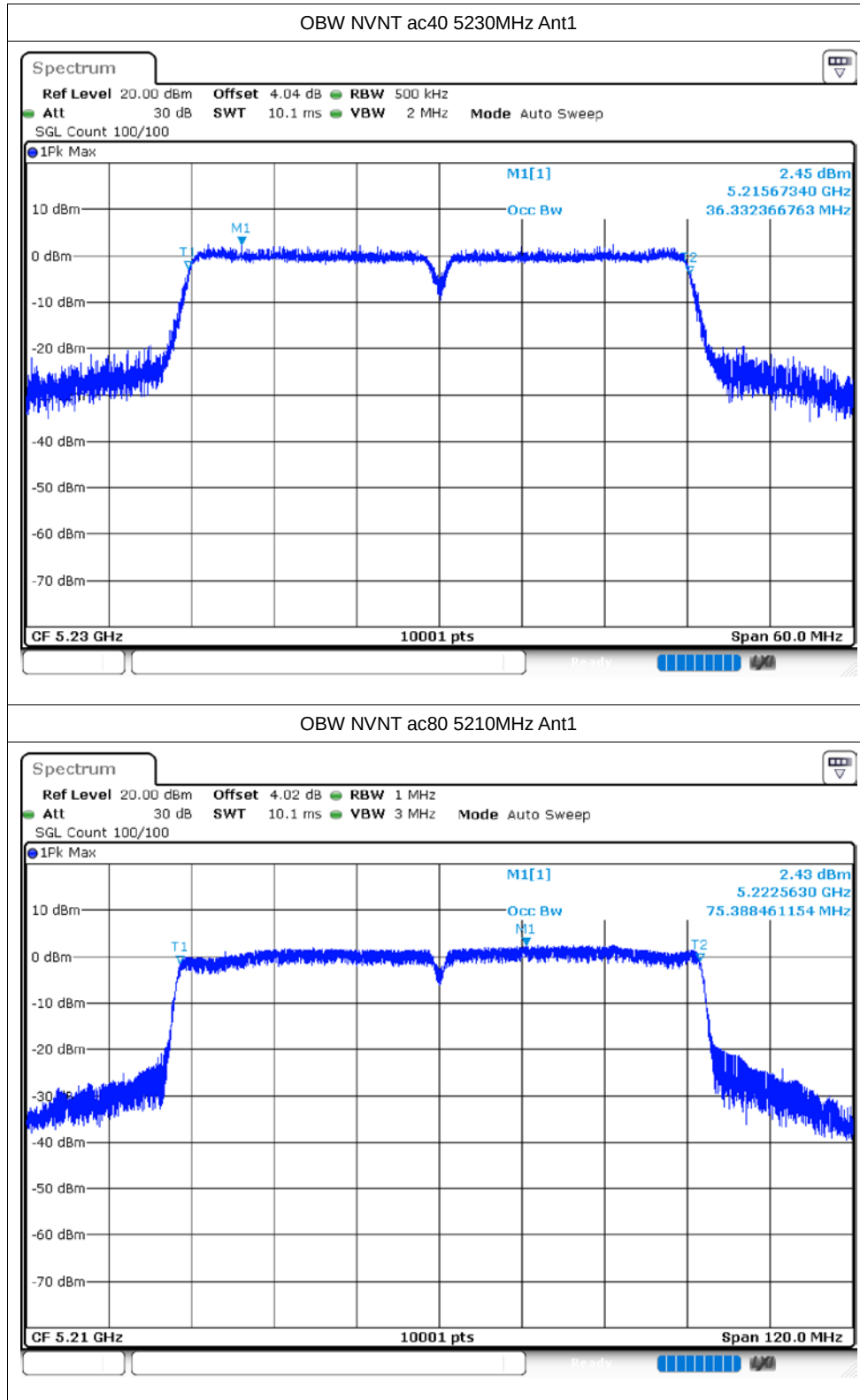










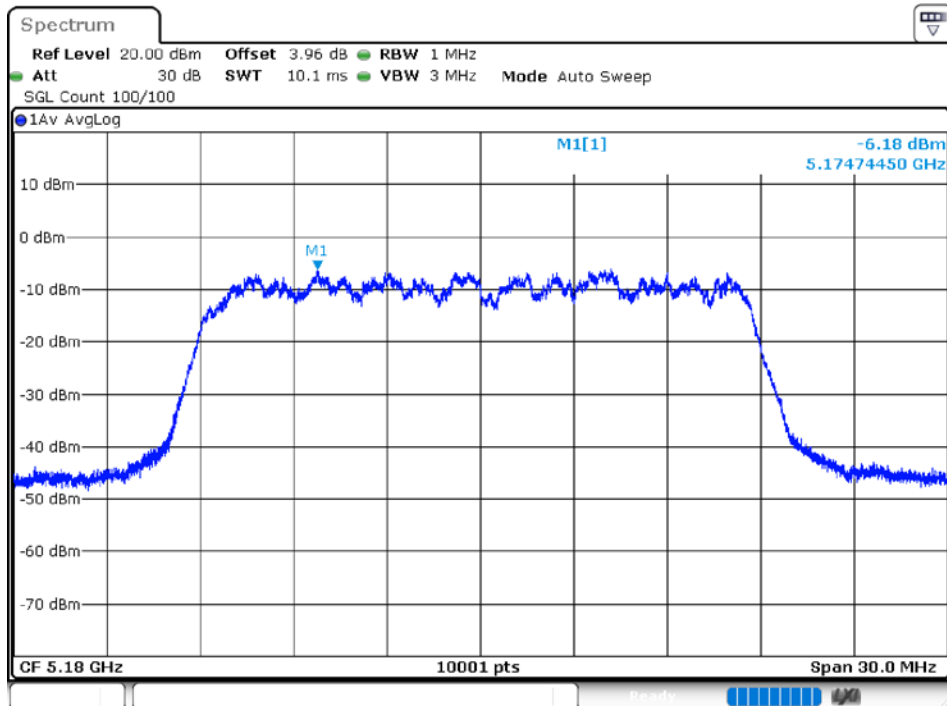


Maximum Power Spectral Density Level

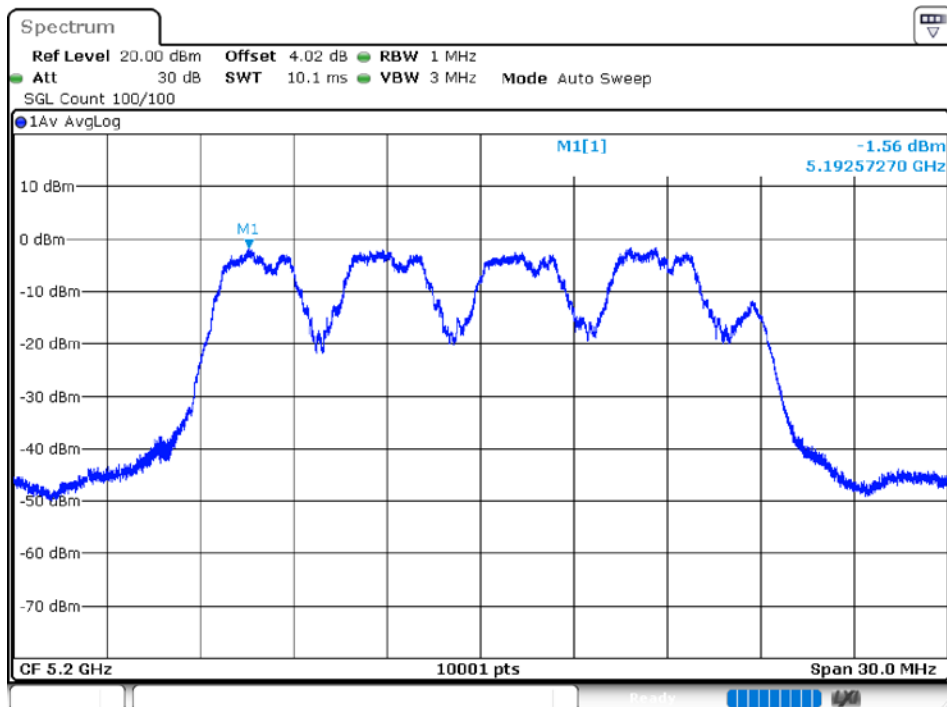
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-6.18	0.6	-5.58	11	Pass
NVNT	a	5200	Ant1	-1.56	0.53	-1.03	11	Pass
NVNT	a	5240	Ant1	-3.57	0.54	-3.03	11	Pass
NVNT	n20	5180	Ant1	-4.11	0.56	-3.55	11	Pass
NVNT	n20	5200	Ant1	-3.2	0.53	-2.67	11	Pass
NVNT	n20	5240	Ant1	-5.11	0.54	-4.57	11	Pass
NVNT	n40	5190	Ant1	-11.75	1.05	-10.7	11	Pass
NVNT	n40	5230	Ant1	-10.35	1.02	-9.33	11	Pass
NVNT	ac20	5180	Ant1	-3.39	0.55	-2.84	11	Pass
NVNT	ac20	5200	Ant1	-3.77	0.52	-3.25	11	Pass
NVNT	ac20	5240	Ant1	-4.28	0.54	-3.74	11	Pass
NVNT	ac40	5190	Ant1	-9.17	1.04	-8.13	11	Pass
NVNT	ac40	5230	Ant1	-10.83	1.03	-9.8	11	Pass
NVNT	ac80	5210	Ant1	-19.99	1.81	-18.18	11	Pass

Test Graphs

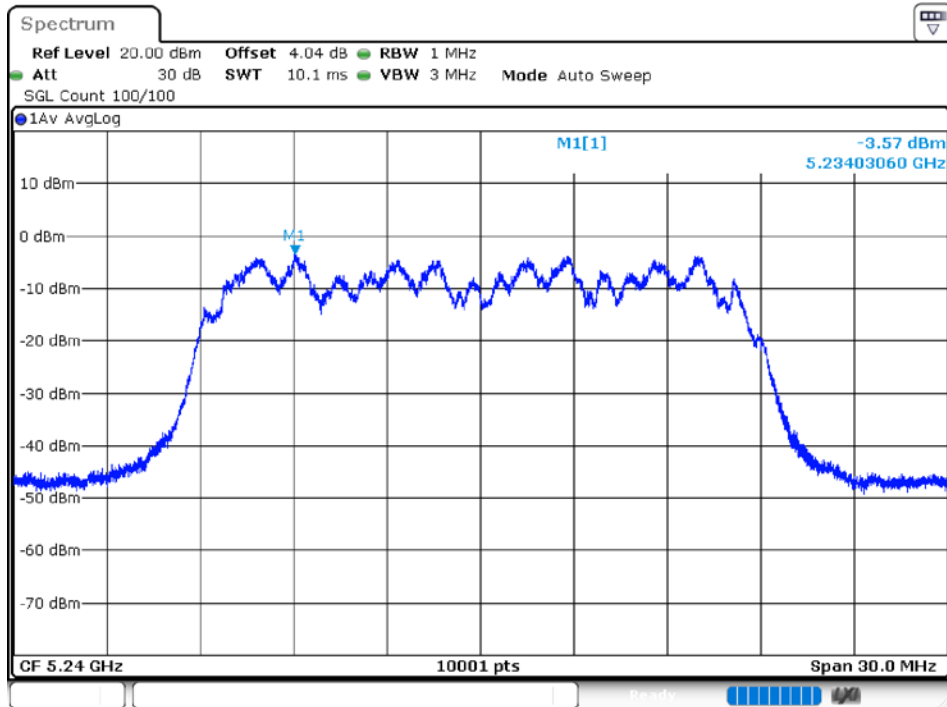
PSD NVNT a 5180MHz Ant1



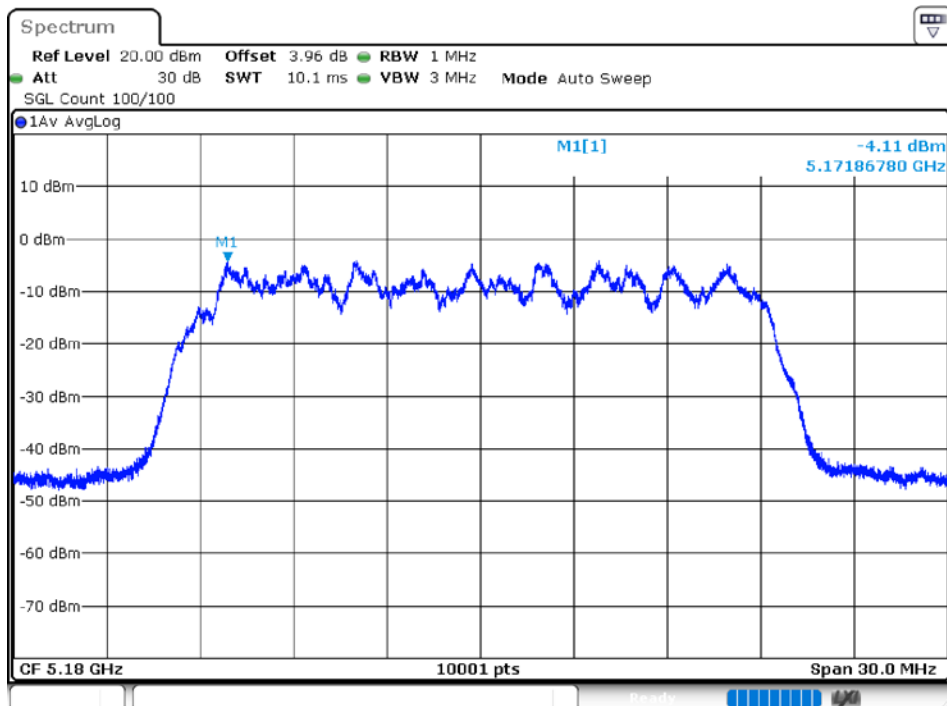
PSD NVNT a 5200MHz Ant1

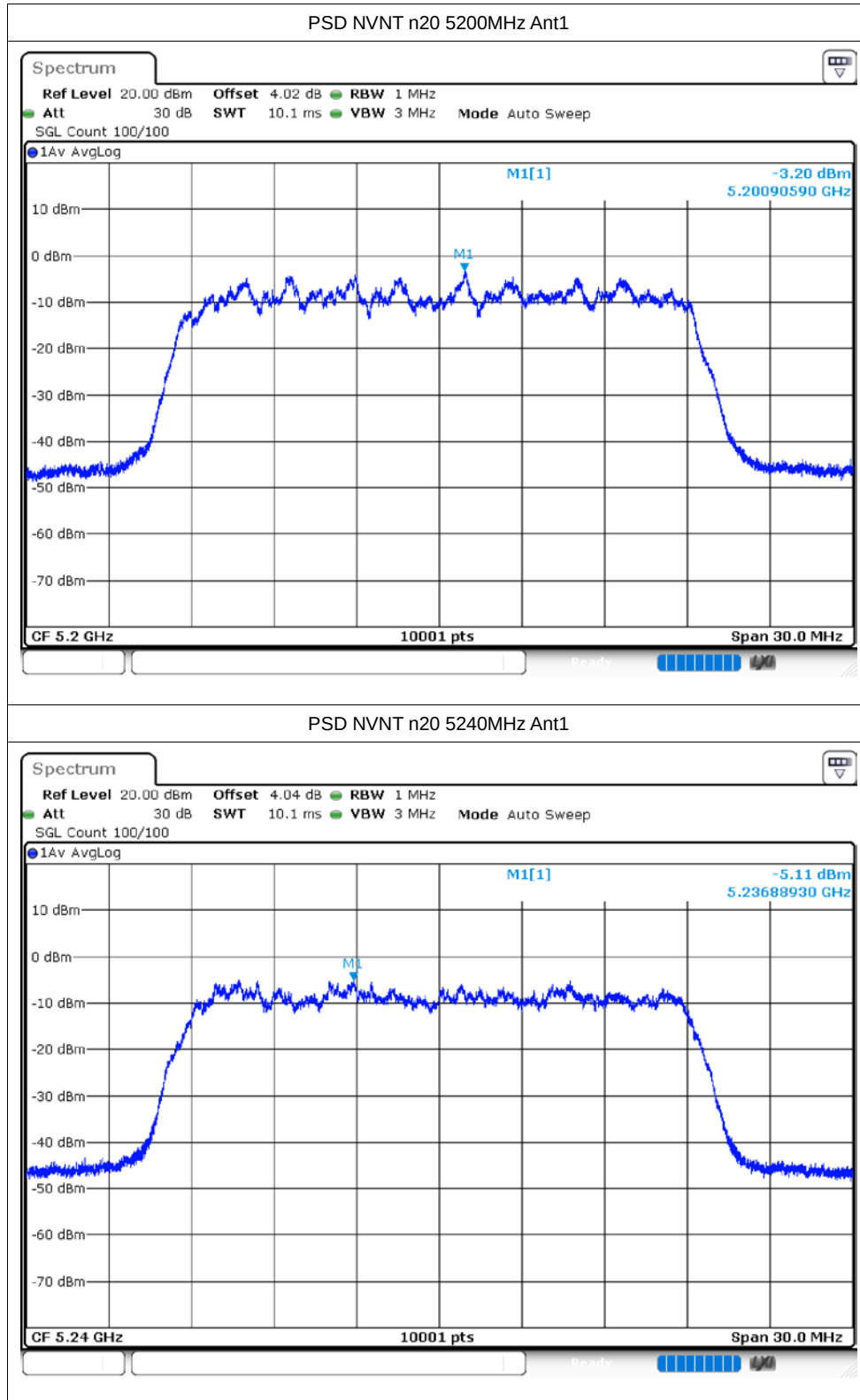


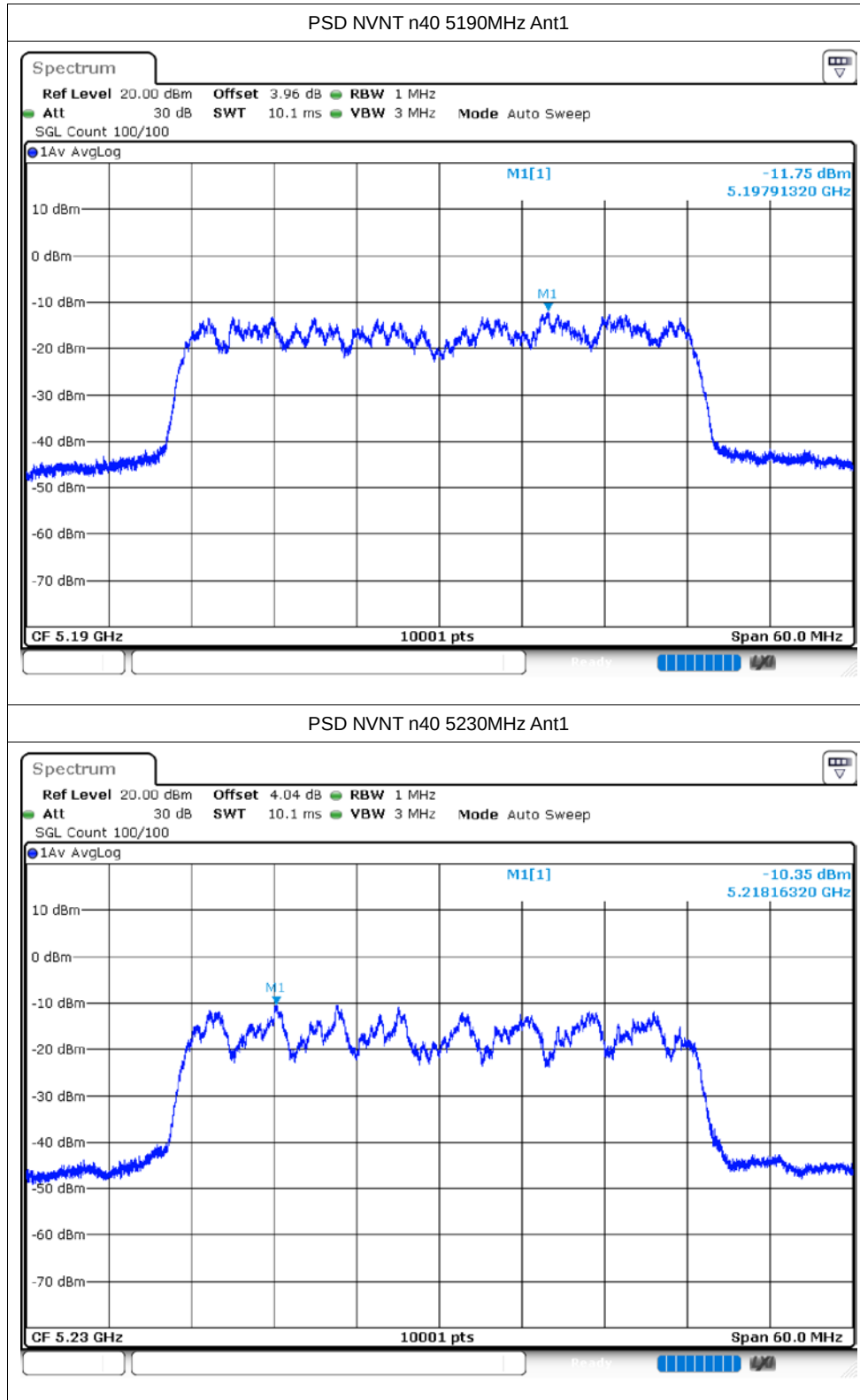
PSD NVNT a 5240MHz Ant1

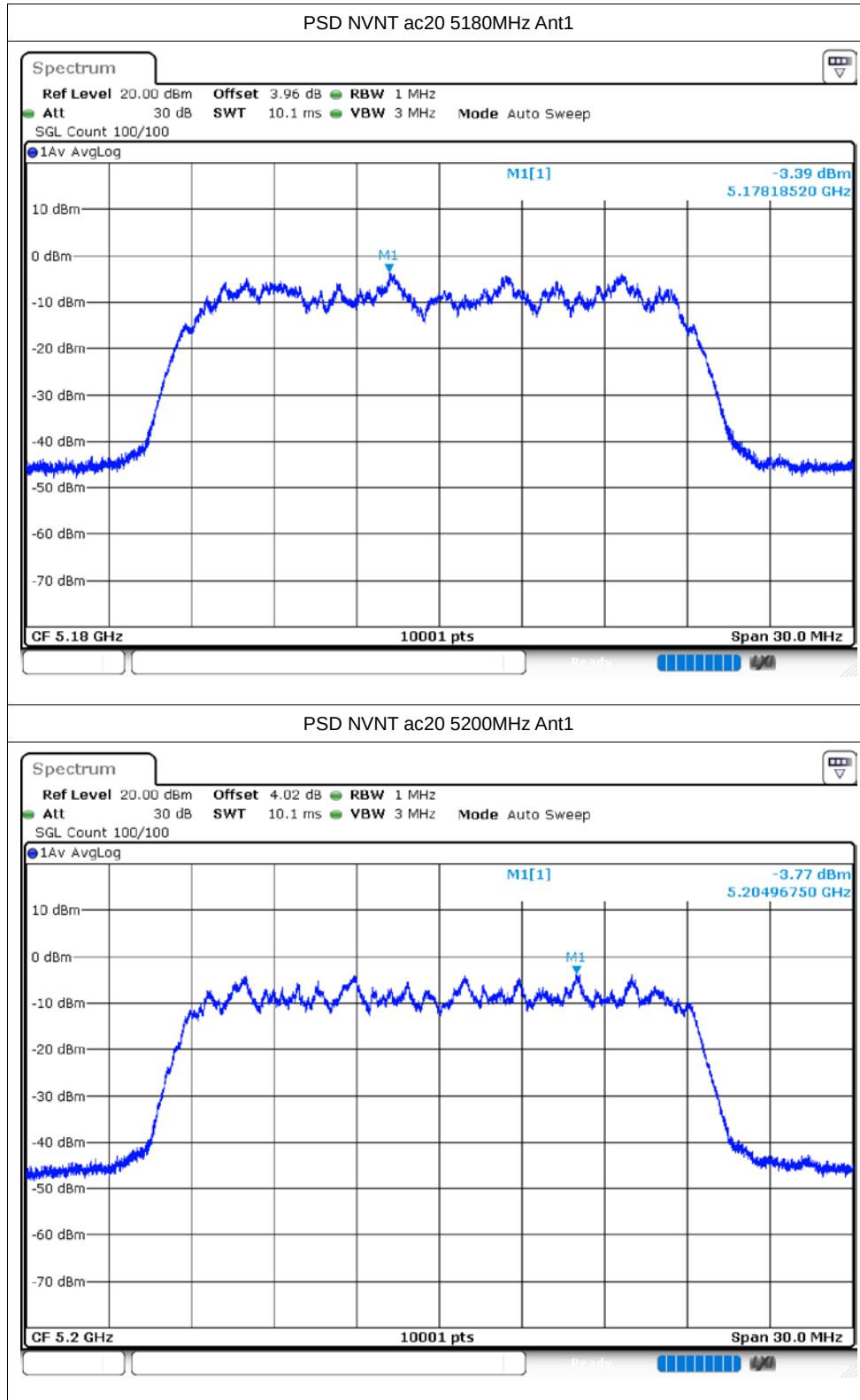


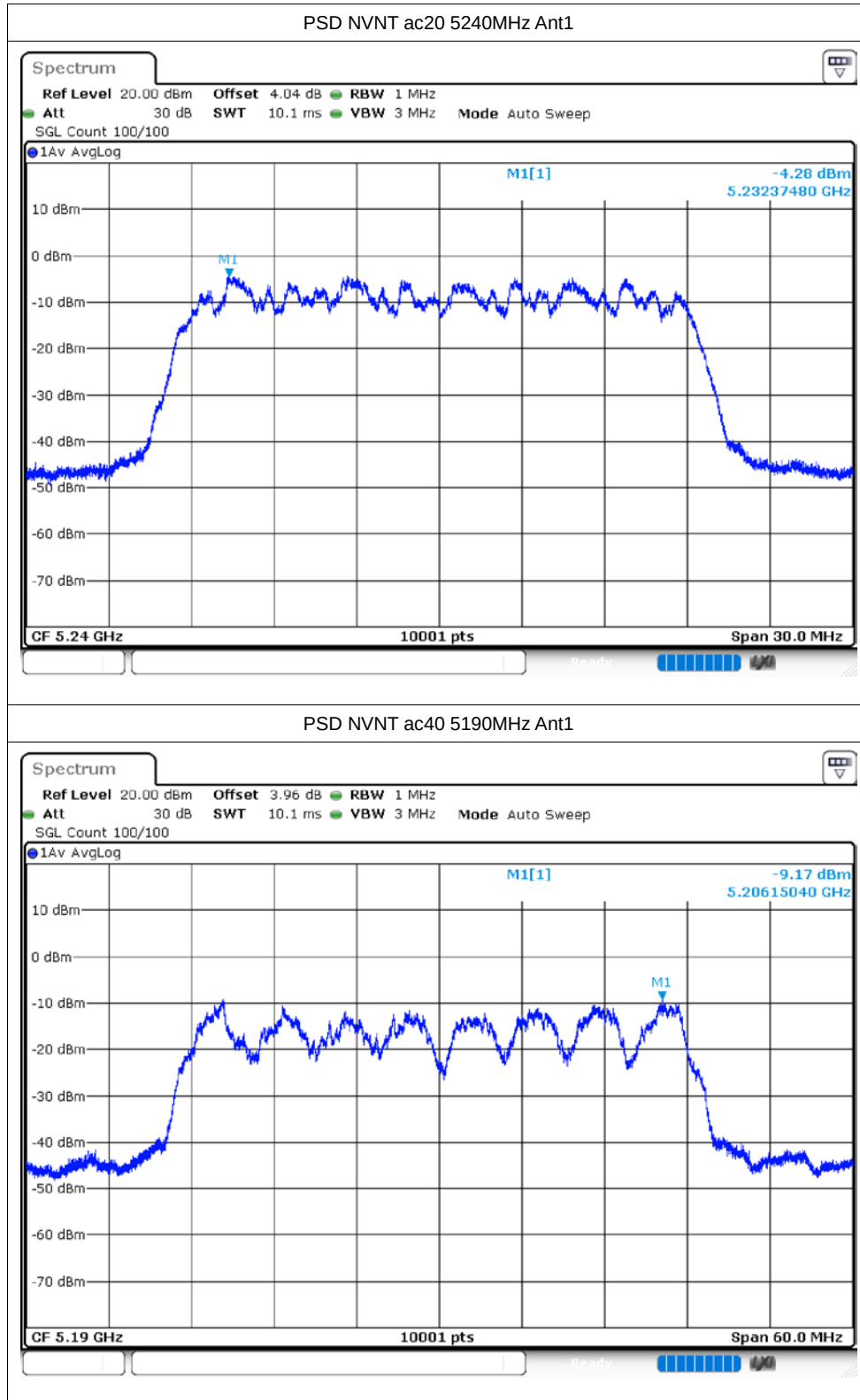
PSD NVNT n20 5180MHz Ant1

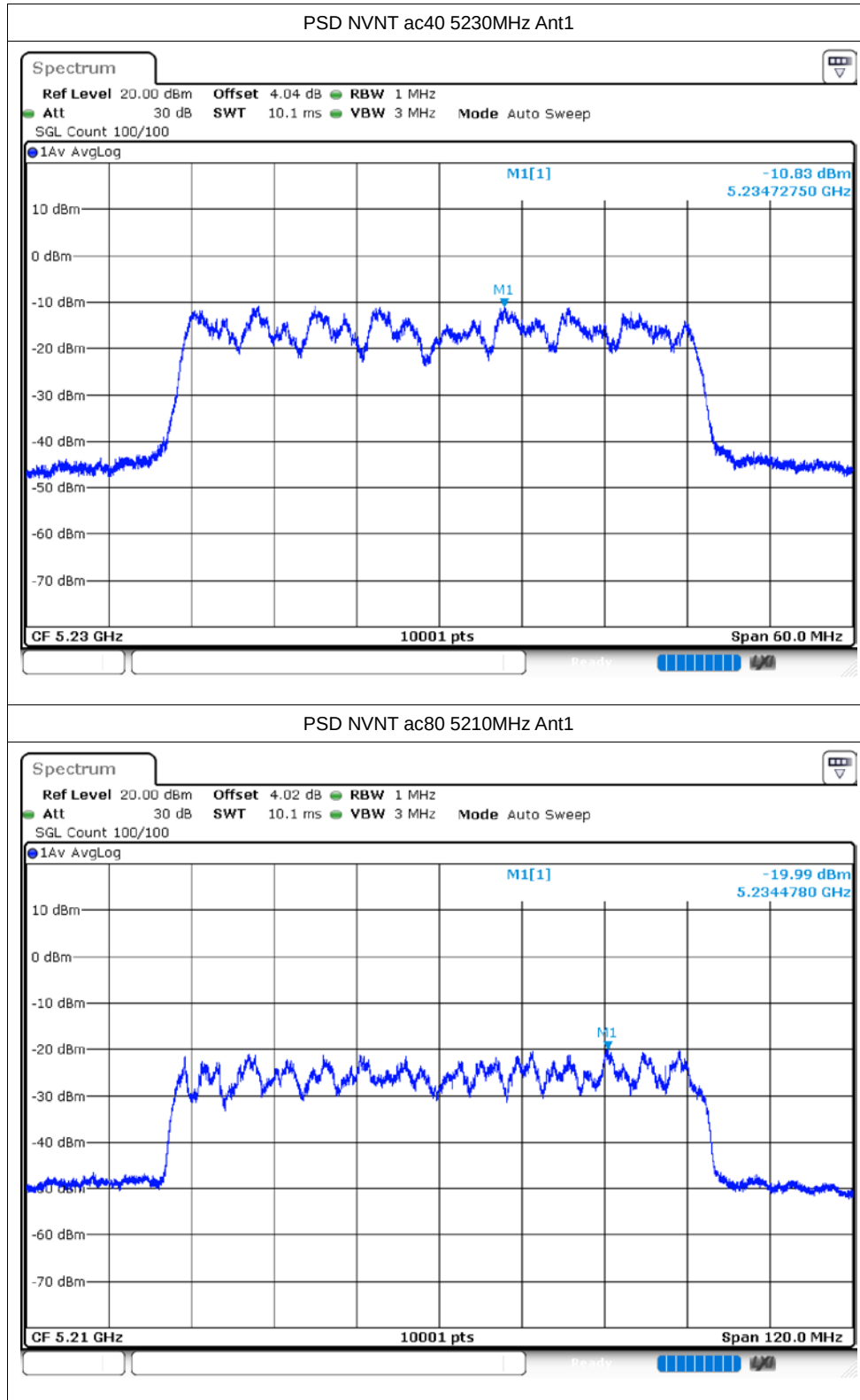










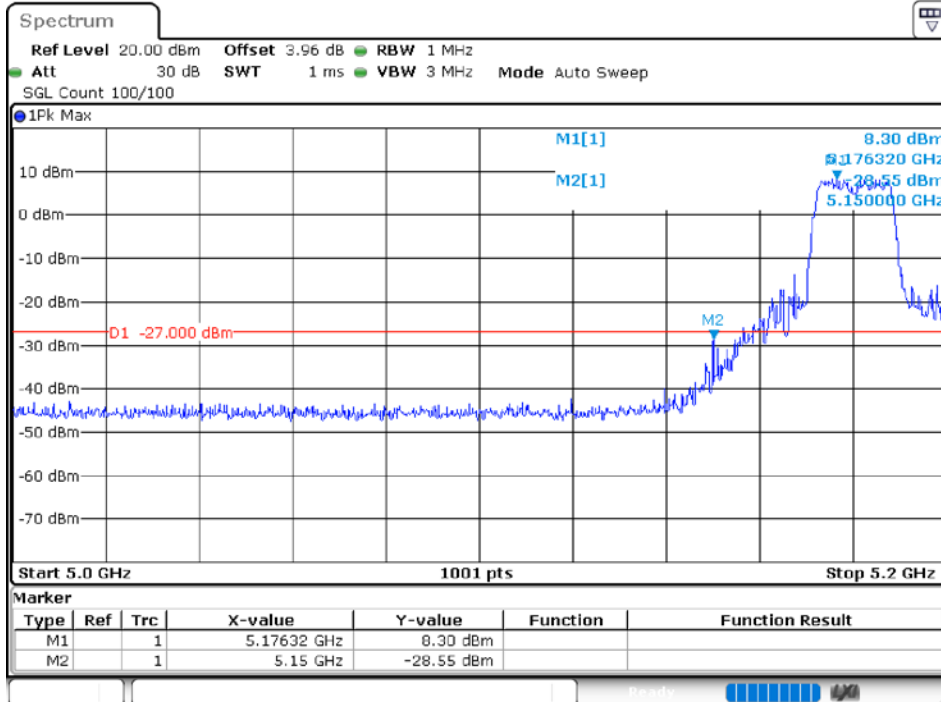


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-28.54	-27	Pass
NVNT	a	5240	Ant1	-42.89	-27	Pass
NVNT	n20	5180	Ant1	-31.32	-27	Pass
NVNT	n20	5240	Ant1	-42.22	-27	Pass
NVNT	n40	5190	Ant1	-27.61	-27	Pass
NVNT	n40	5230	Ant1	-43.44	-27	Pass
NVNT	ac20	5180	Ant1	-31.29	-27	Pass
NVNT	ac20	5240	Ant1	-42.15	-27	Pass
NVNT	ac40	5190	Ant1	-27.82	-27	Pass
NVNT	ac40	5230	Ant1	-42.91	-27	Pass
NVNT	ac80	5210	Ant1	-42.74	-27	Pass
NVNT	ac80	5210	Ant1	-32.33	-27	Pass

Test Graphs

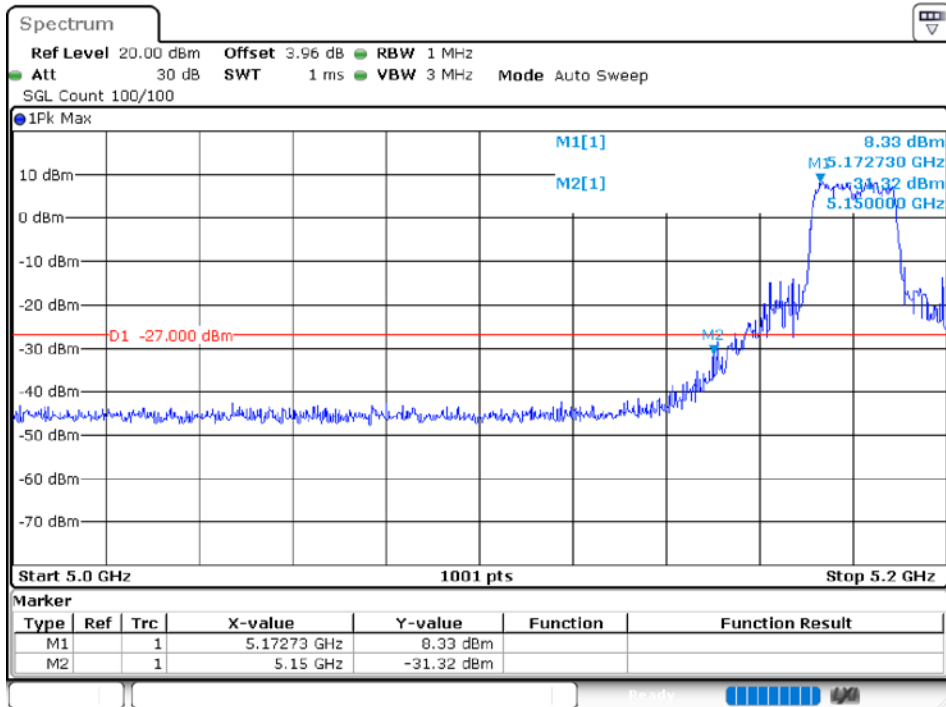
Band Edge NVNT a 5180MHz Low Ant1



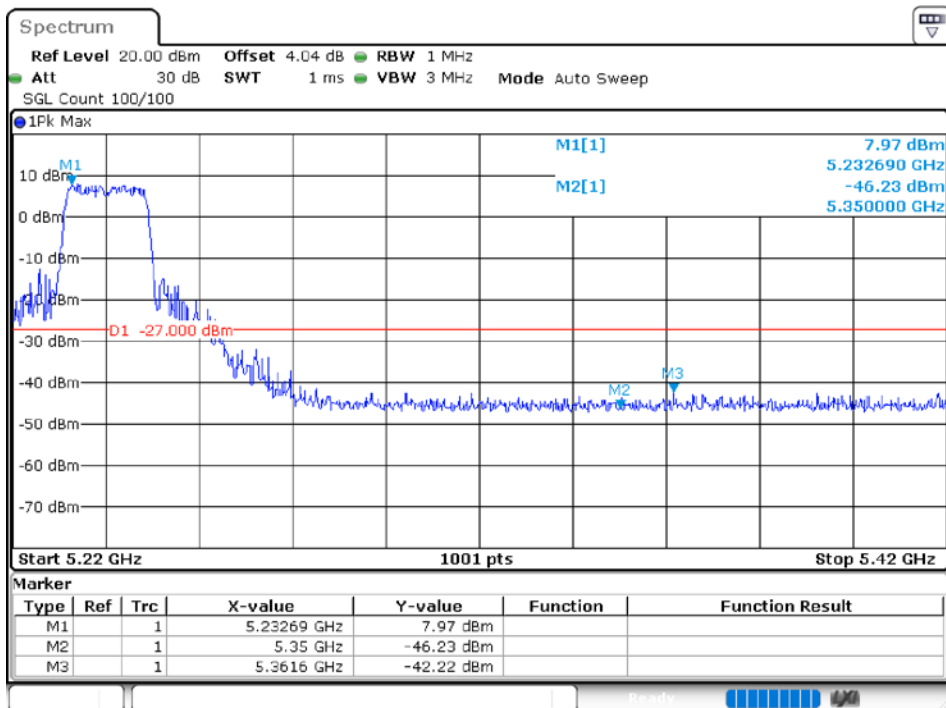
Band Edge NVNT a 5240MHz High Ant1



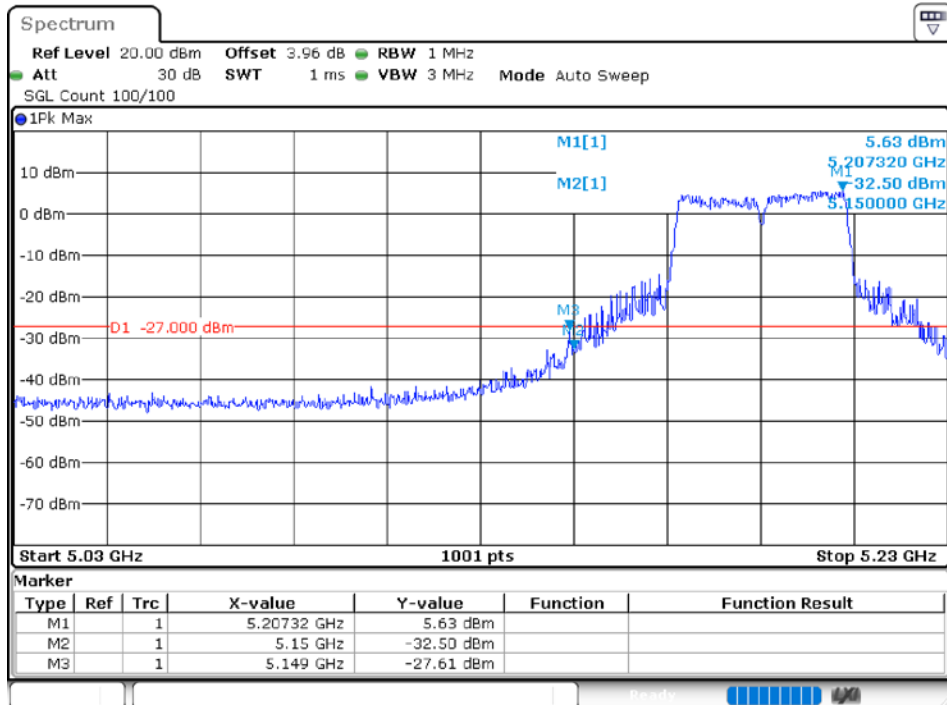
Band Edge NVNT n20 5180MHz Low Ant1



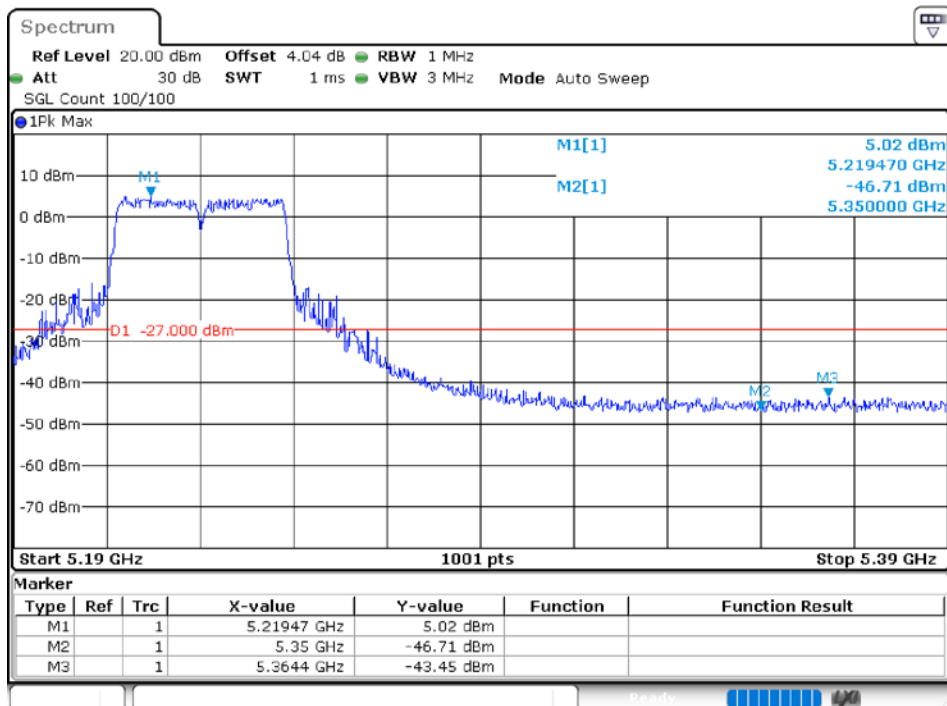
Band Edge NVNT n20 5240MHz High Ant1



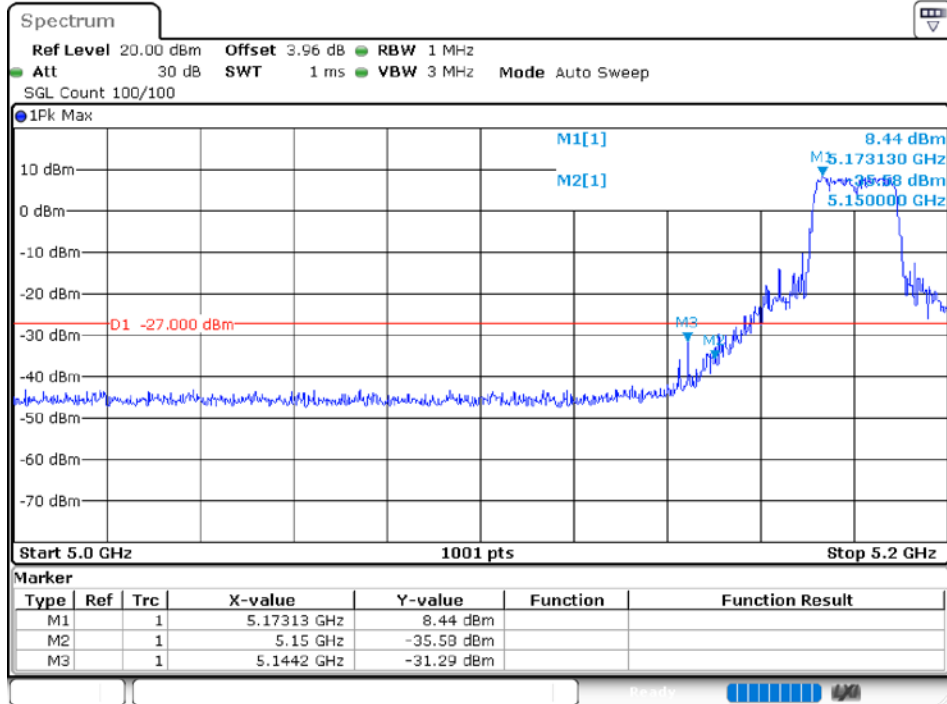
Band Edge NVNT n40 5190MHz Low Ant1



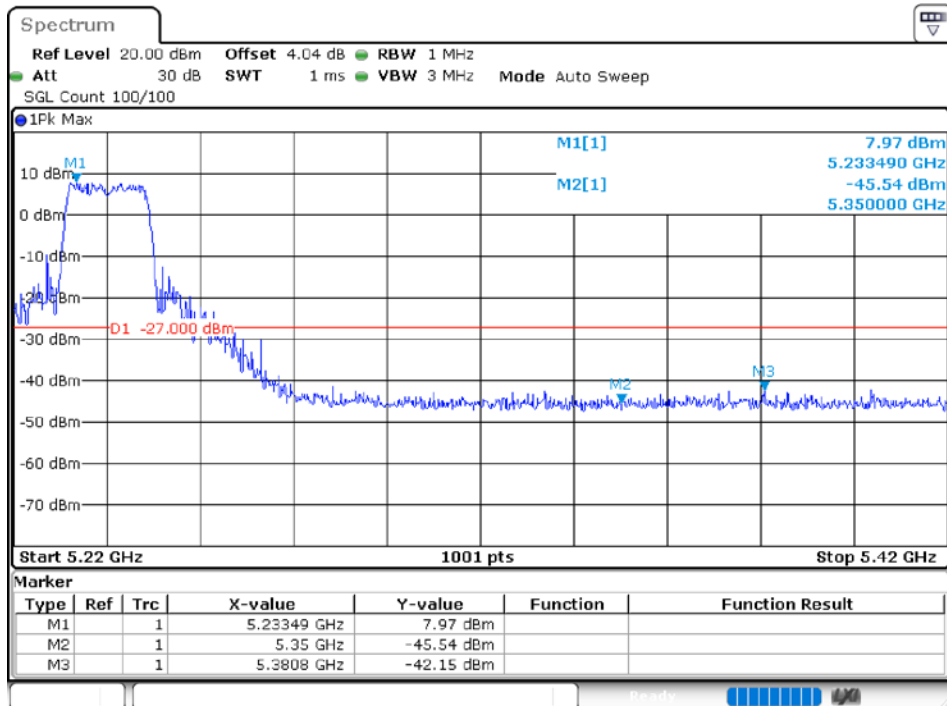
Band Edge NVNT n40 5230MHz High Ant1



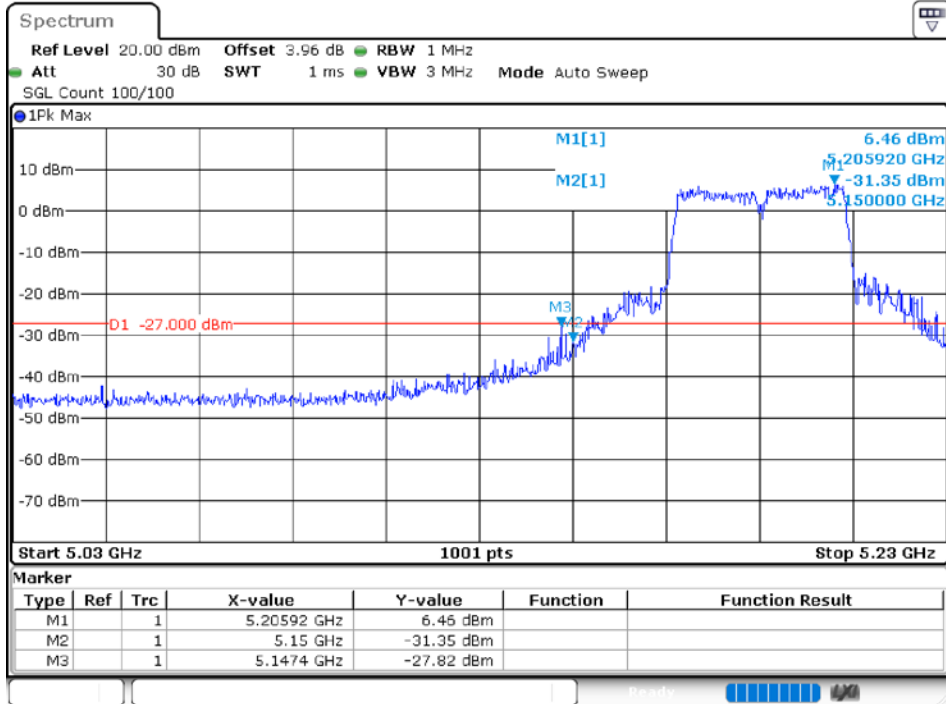
Band Edge NVNT ac20 5180MHz Low Ant1



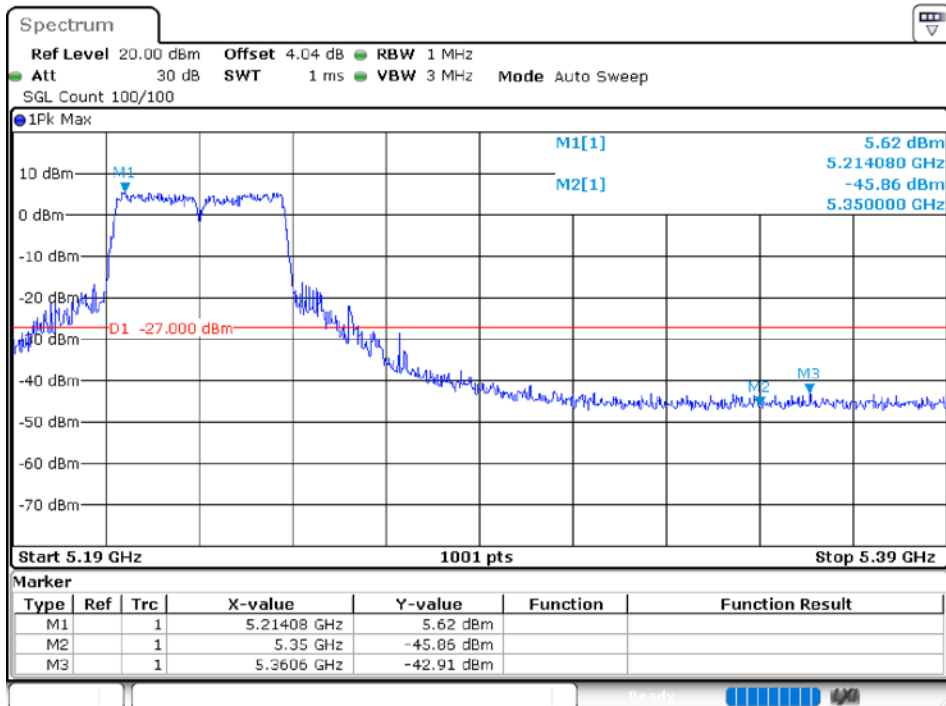
Band Edge NVNT ac20 5240MHz High Ant1



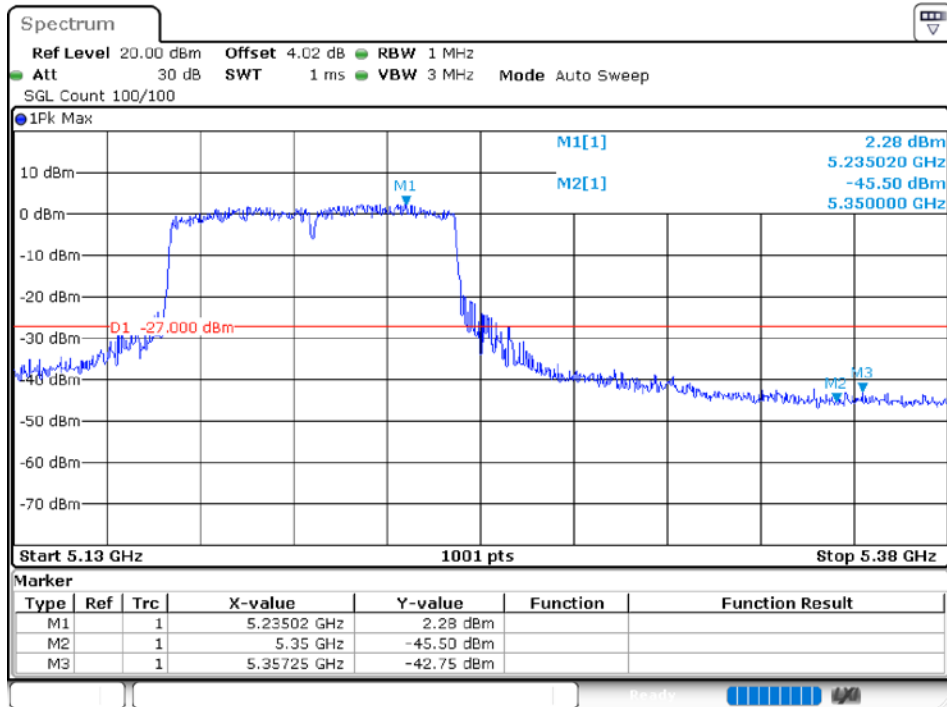
Band Edge NVNT ac40 5190MHz Low Ant1



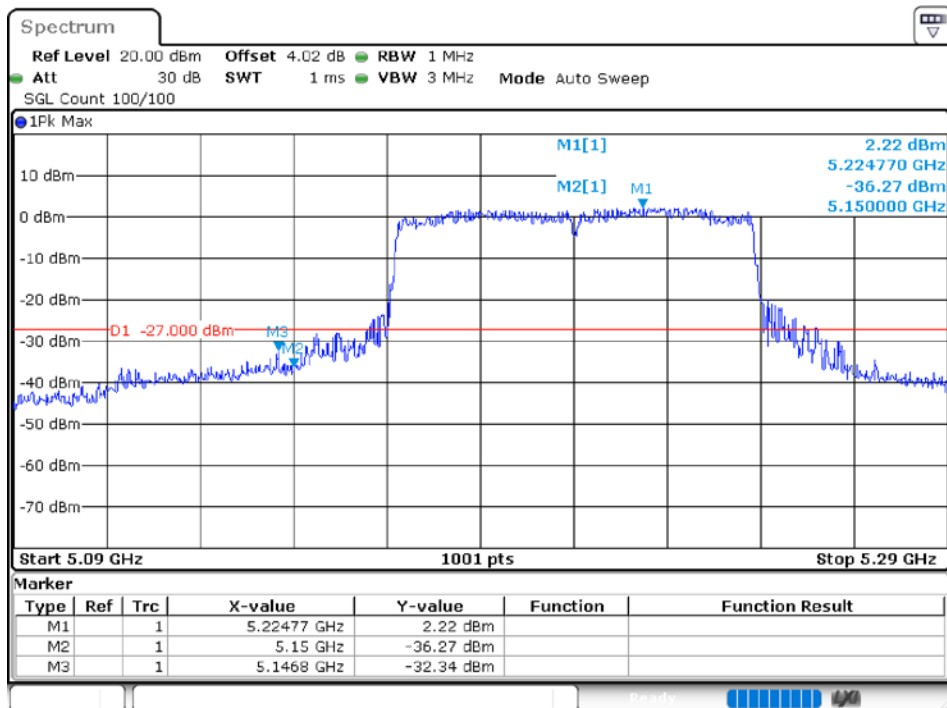
Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ac80 5210MHz High Ant1



Band Edge NVNT ac80 5210MHz Low Ant1

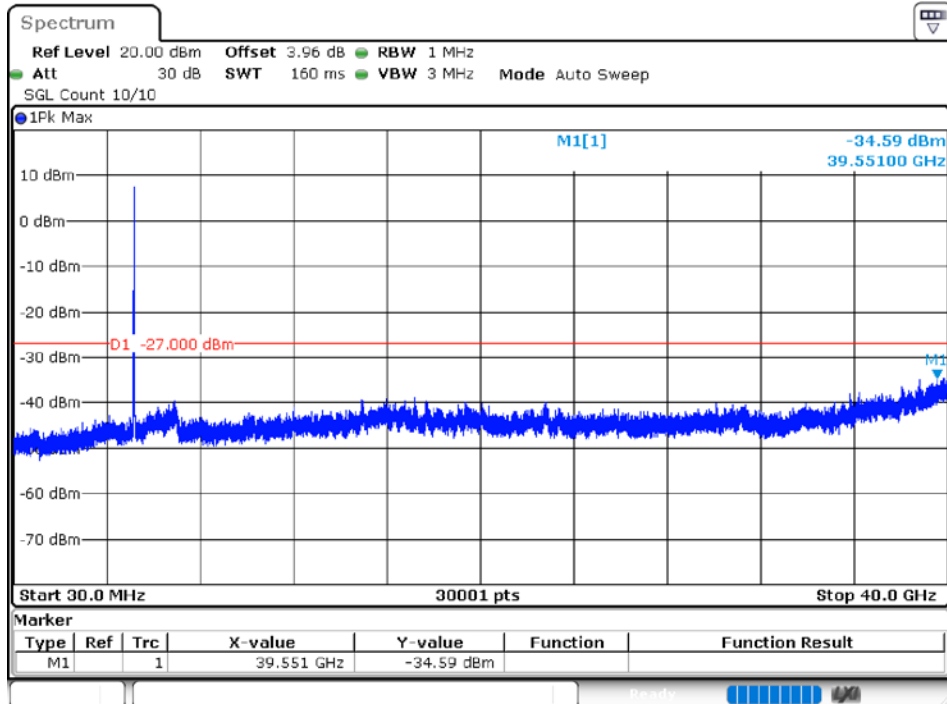


Conducted RF Spurious Emission

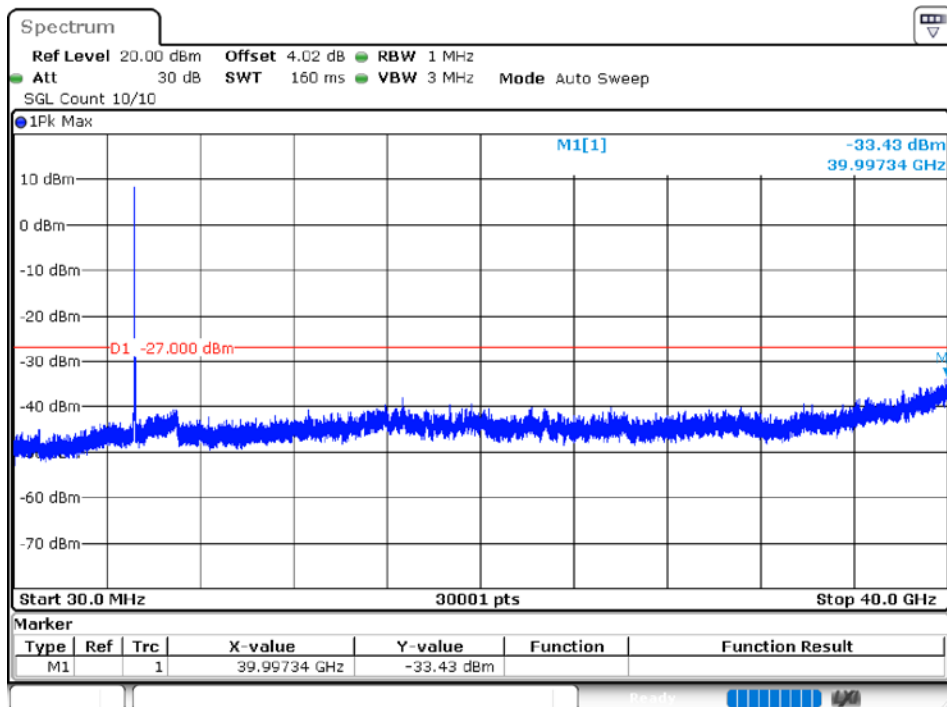
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.58	-27	Pass
NVNT	a	5200	Ant1	-33.43	-27	Pass
NVNT	a	5240	Ant1	-34.01	-27	Pass
NVNT	n20	5180	Ant1	-34.81	-27	Pass
NVNT	n20	5200	Ant1	-33.92	-27	Pass
NVNT	n20	5240	Ant1	-34.29	-27	Pass
NVNT	n40	5190	Ant1	-33.93	-27	Pass
NVNT	n40	5230	Ant1	-34.47	-27	Pass
NVNT	ac20	5180	Ant1	-33.14	-27	Pass
NVNT	ac20	5200	Ant1	-34.02	-27	Pass
NVNT	ac20	5240	Ant1	-34.35	-27	Pass
NVNT	ac40	5190	Ant1	-34.34	-27	Pass
NVNT	ac40	5230	Ant1	-34.22	-27	Pass
NVNT	ac80	5210	Ant1	-32.97	-27	Pass

Test Graphs

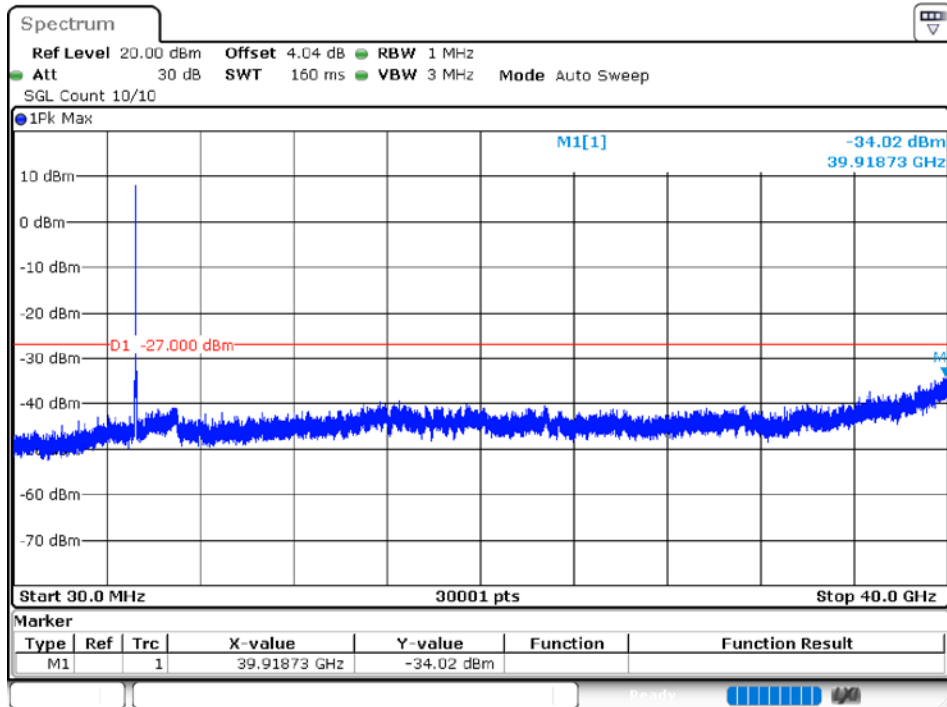
Tx. Spurious NVNT a 5180MHz Ant1 Emission



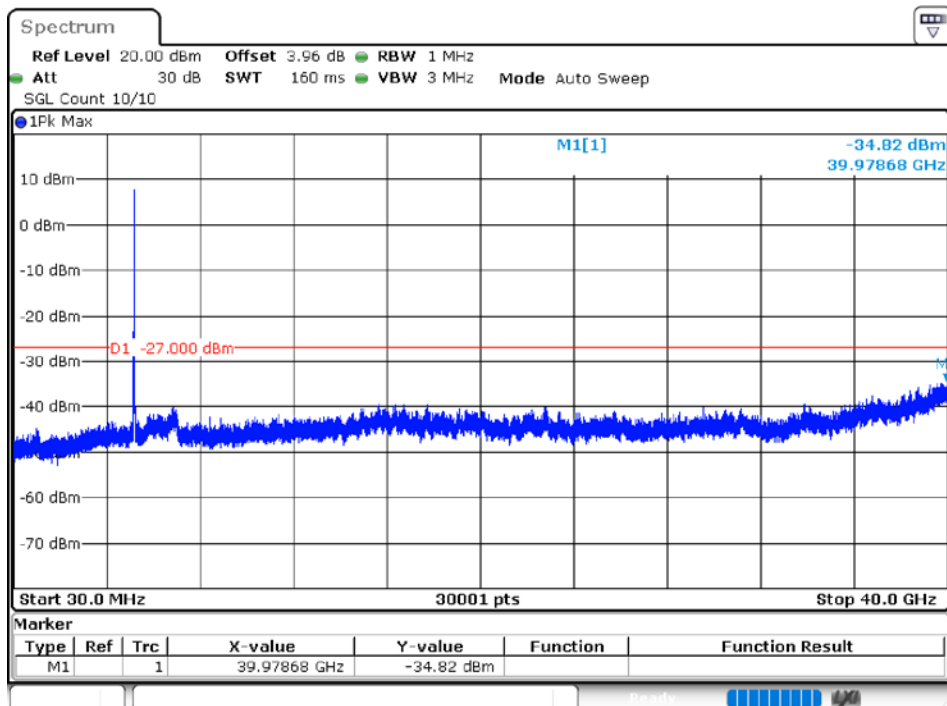
Tx. Spurious NVNT a 5200MHz Ant1 Emission



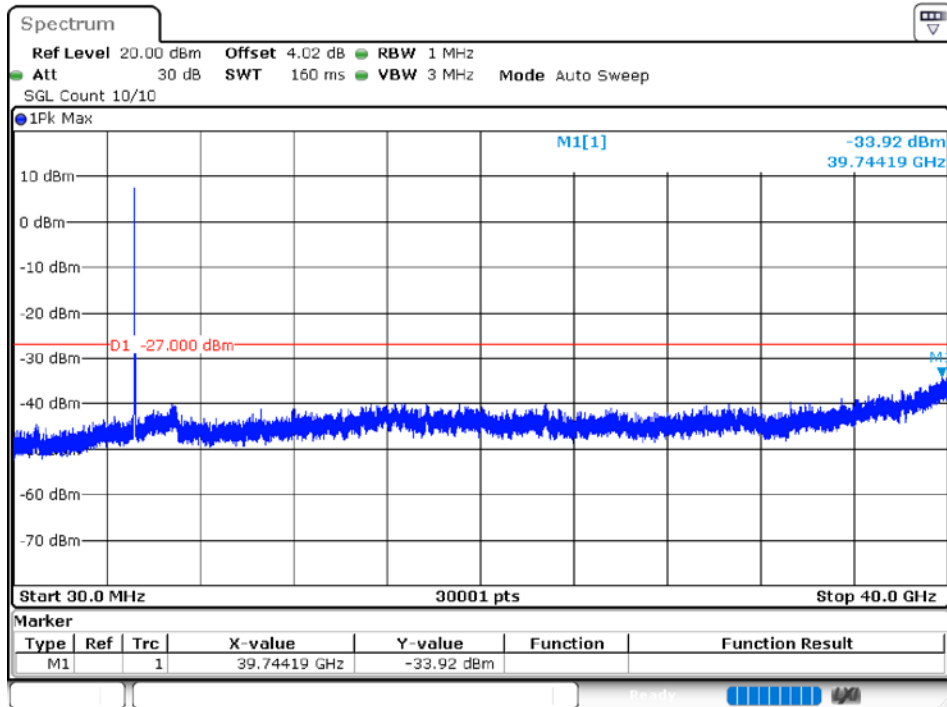
Tx. Spurious NVNT a 5240MHz Ant1 Emission



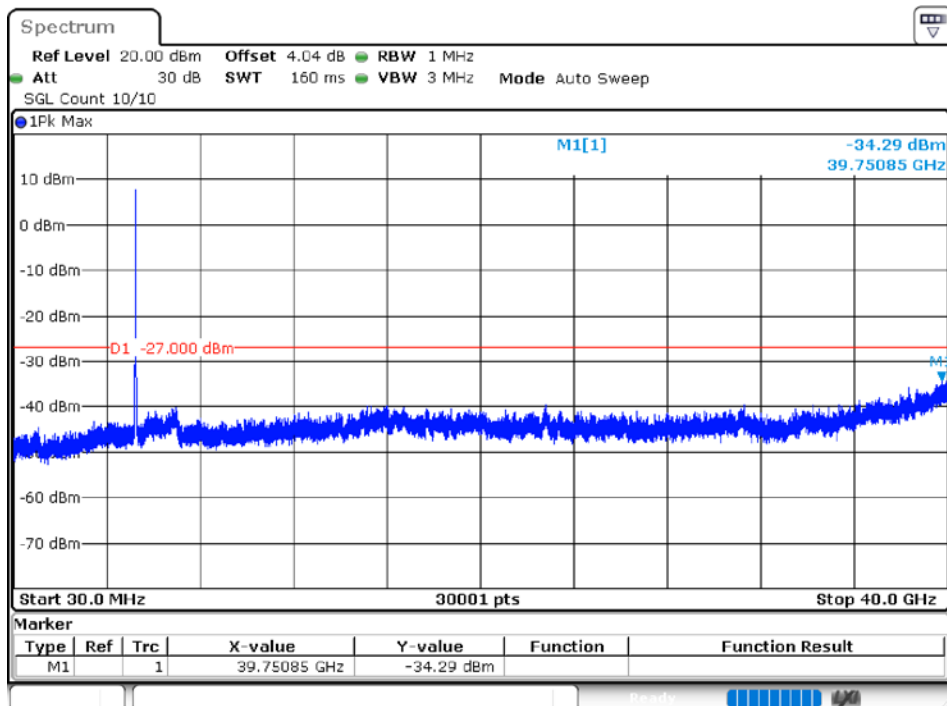
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



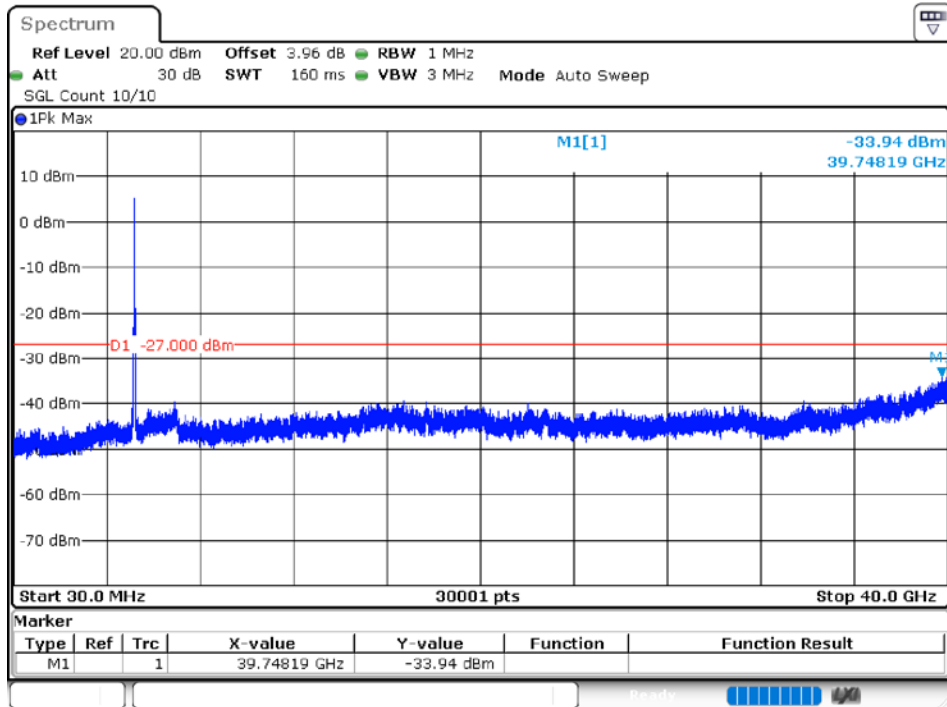
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



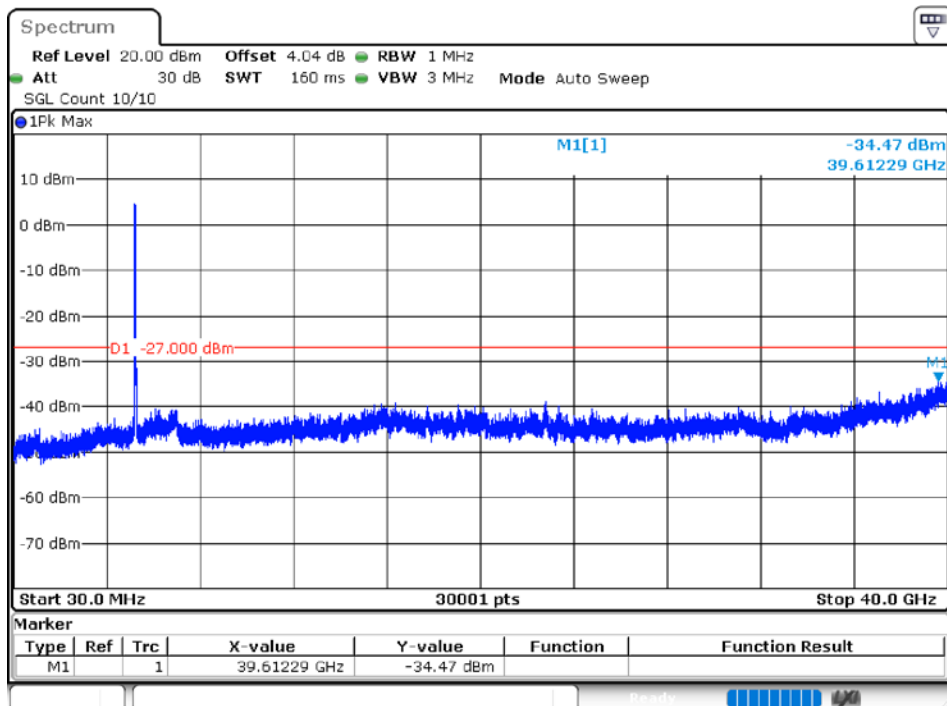
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



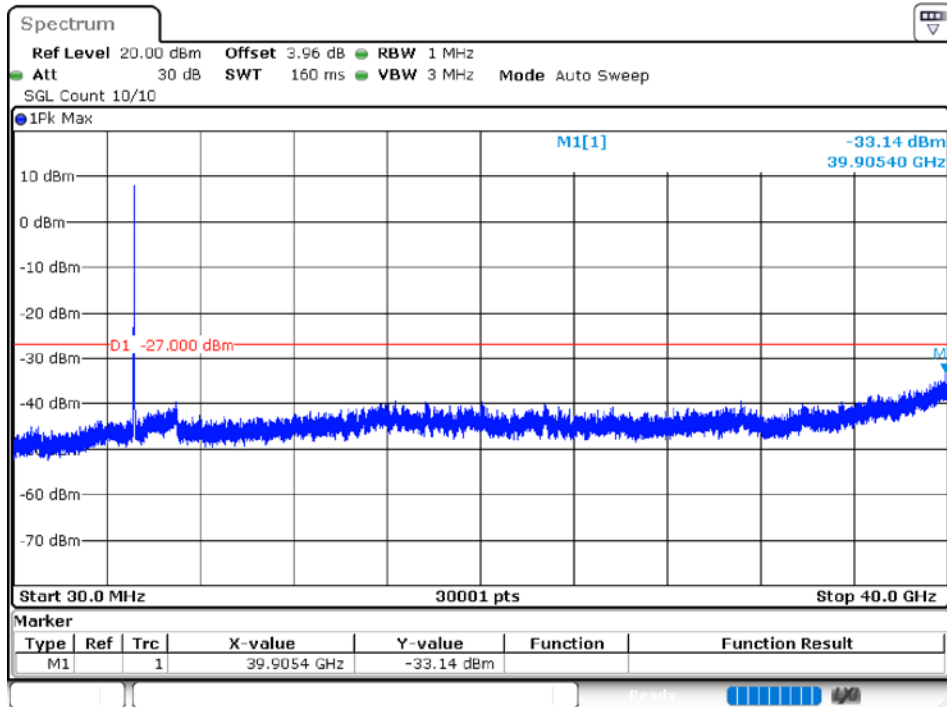
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



Tx. Spurious NVNT ac20 5200MHz Ant1 Emission

