

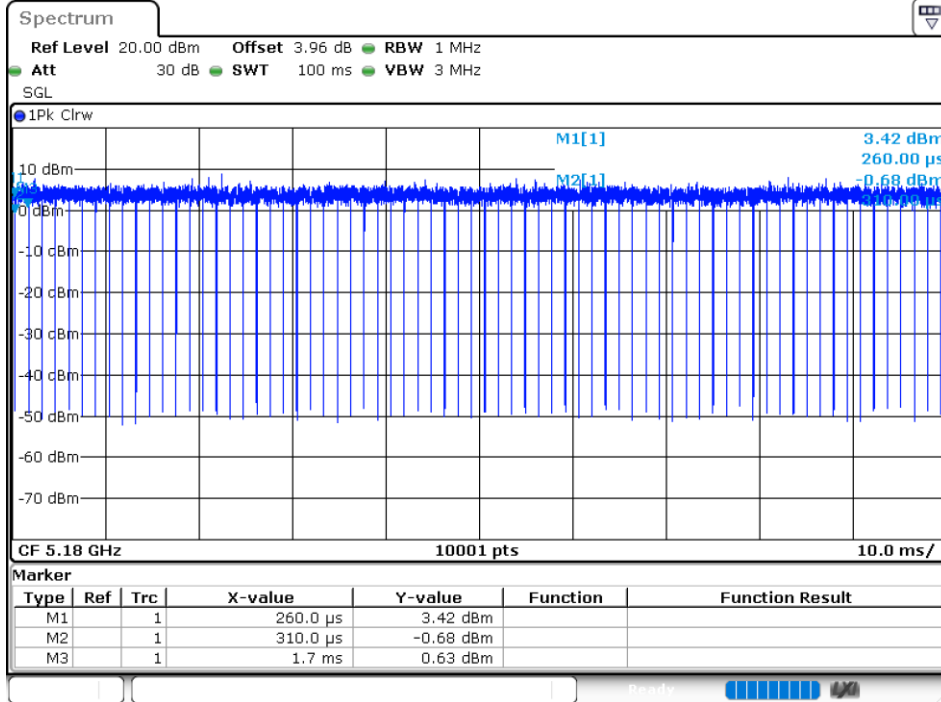
5.2G WIFI

Duty Cycle

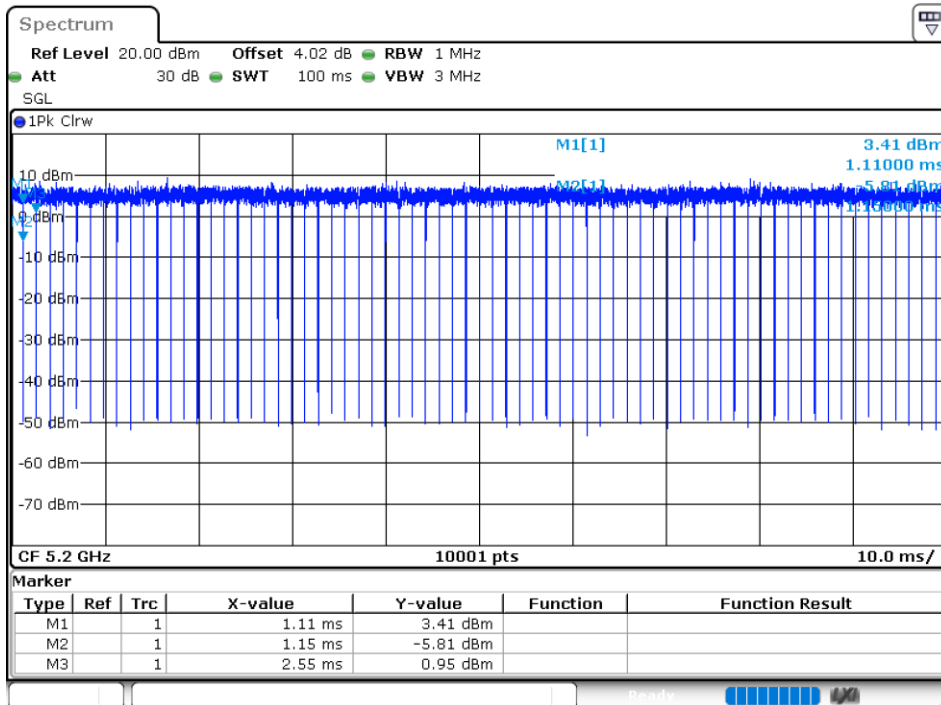
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.63	0.1	0.72
NVNT	a	5200	Ant1	97.69	0.1	0.71
NVNT	a	5240	Ant1	97.7	0.1	0.71
NVNT	n20	5180	Ant1	97.49	0.11	0.77
NVNT	n20	5200	Ant1	97.46	0.11	0.77
NVNT	n20	5240	Ant1	97.51	0.11	0.77
NVNT	n40	5190	Ant1	95.15	0.22	1.54
NVNT	n40	5230	Ant1	95.17	0.21	1.54
NVNT	ac20	5180	Ant1	97.54	0.11	0.76
NVNT	ac20	5200	Ant1	97.5	0.11	0.76
NVNT	ac20	5240	Ant1	97.51	0.11	0.76
NVNT	ac40	5190	Ant1	95.2	0.21	1.54
NVNT	ac40	5230	Ant1	95.17	0.21	1.54
NVNT	ac80	5210	Ant1	89.09	0.5	3.12

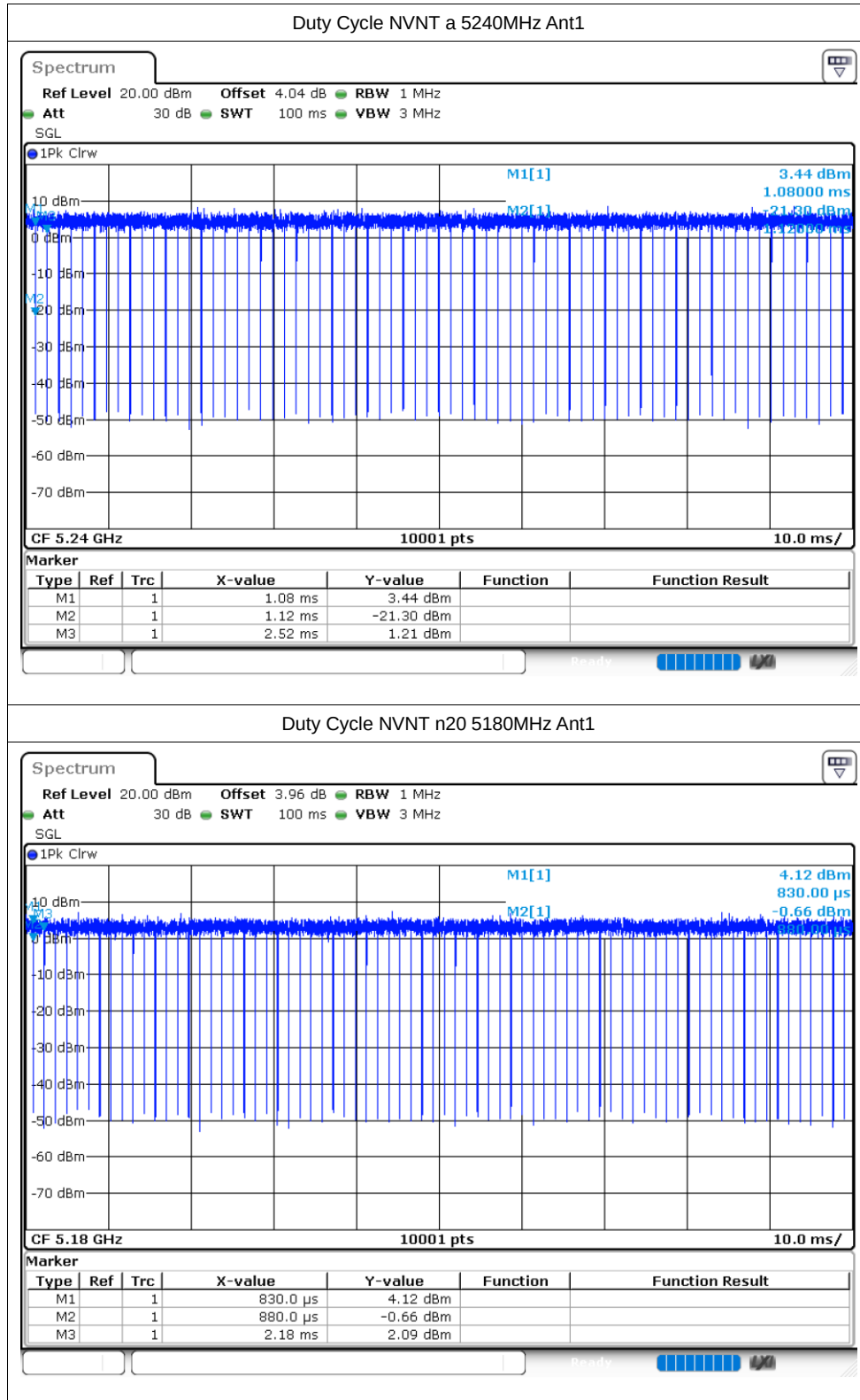
Test Graphs

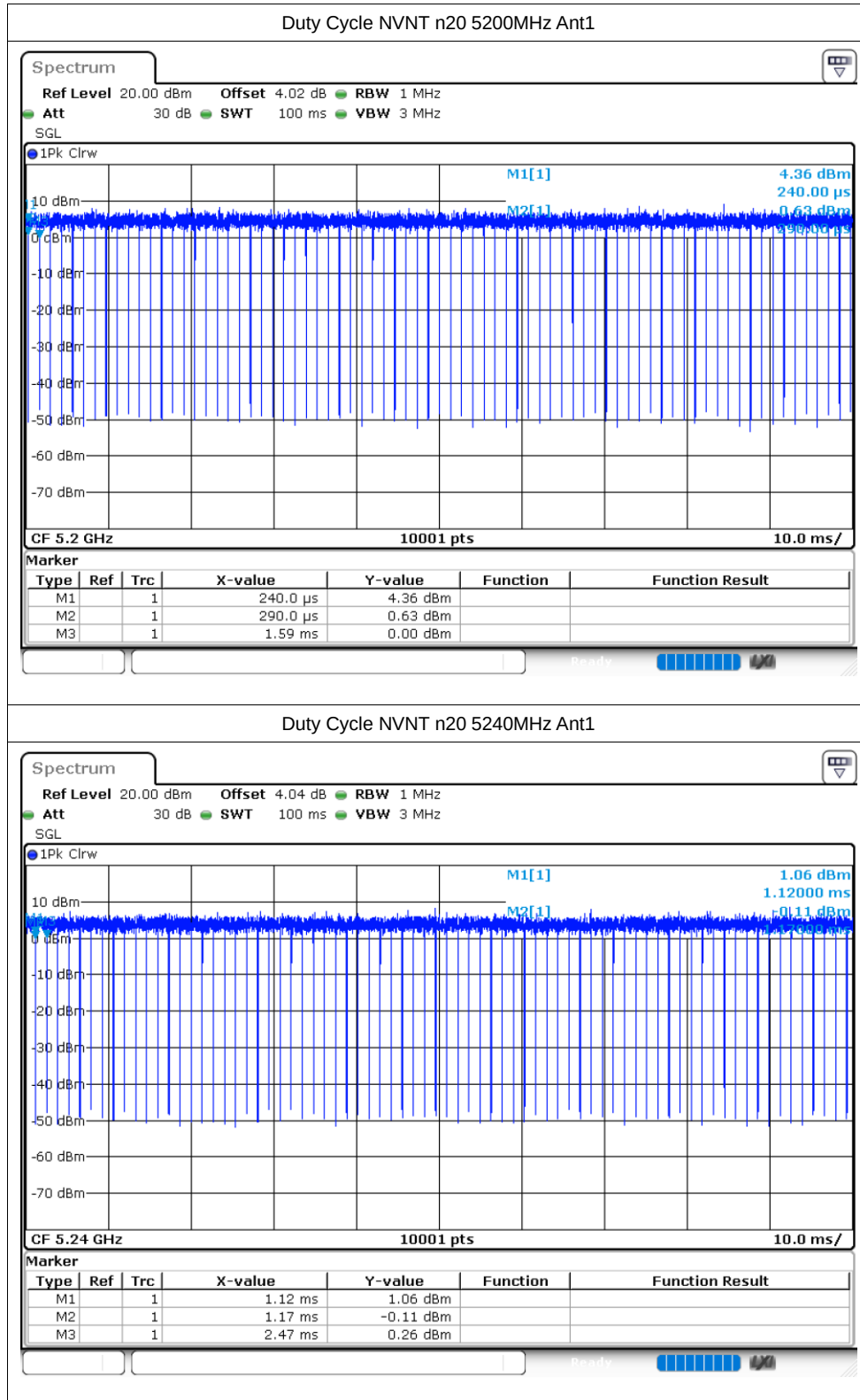
Duty Cycle NVNT a 5180MHz Ant1

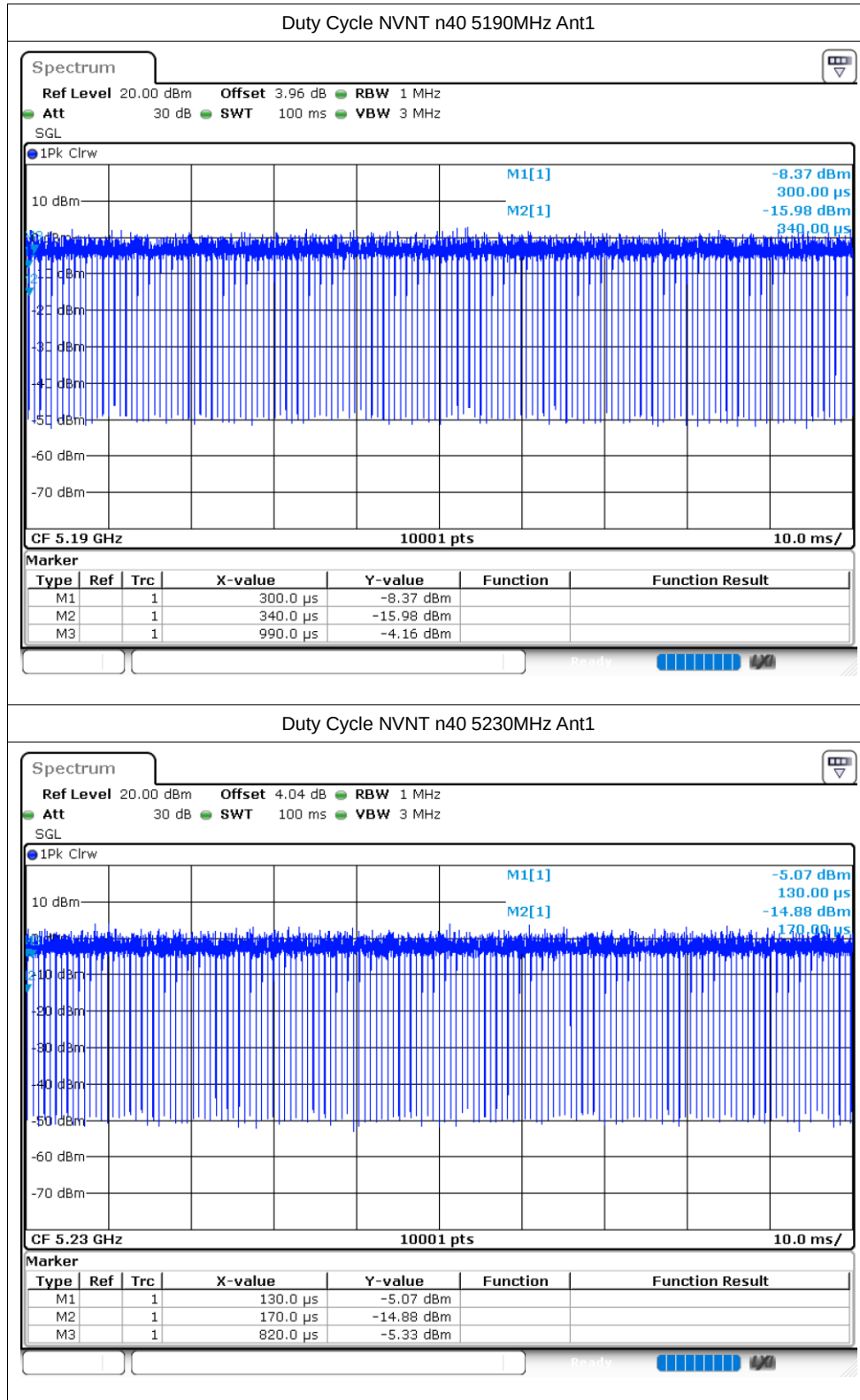


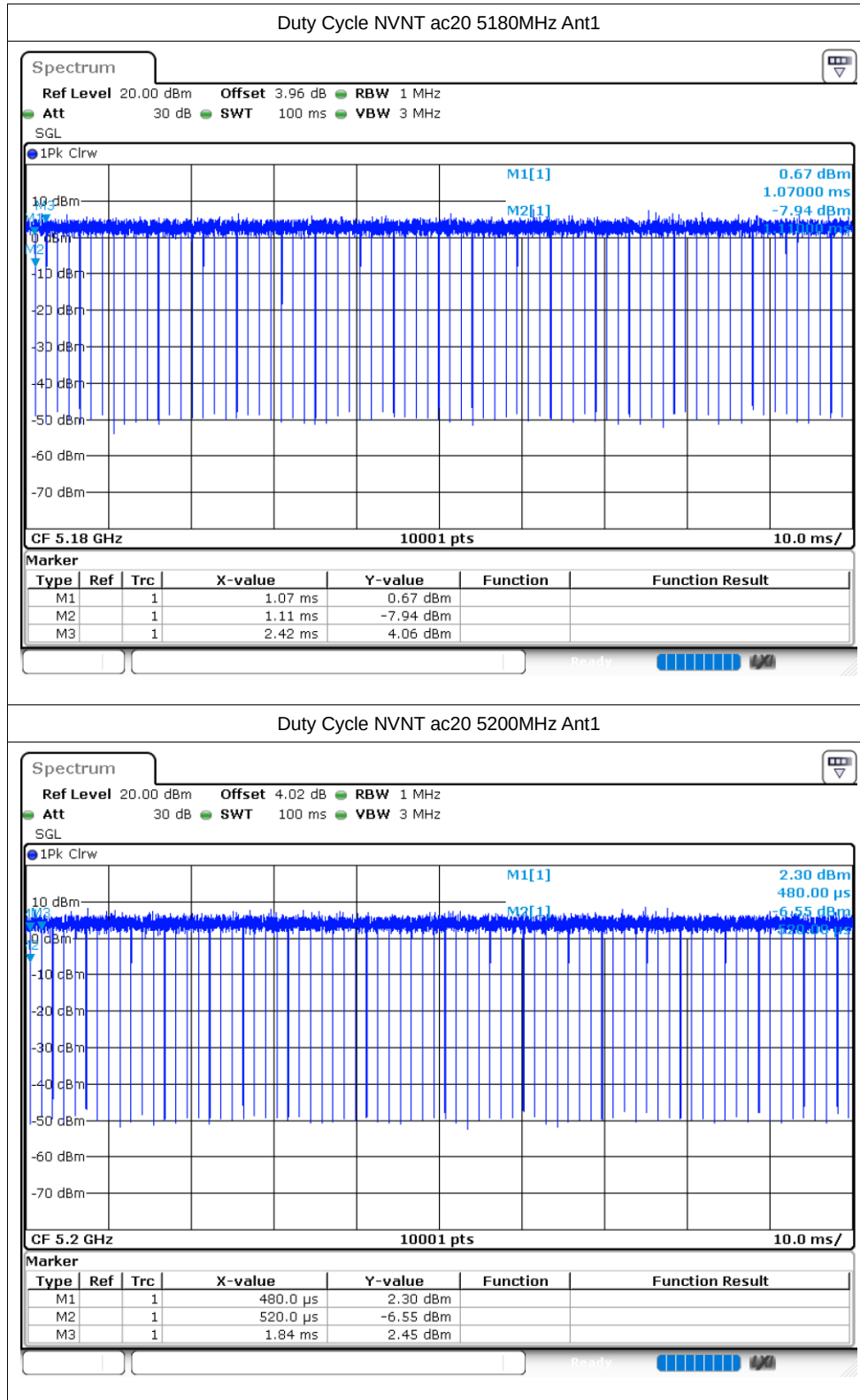
Duty Cycle NVNT a 5200MHz Ant1

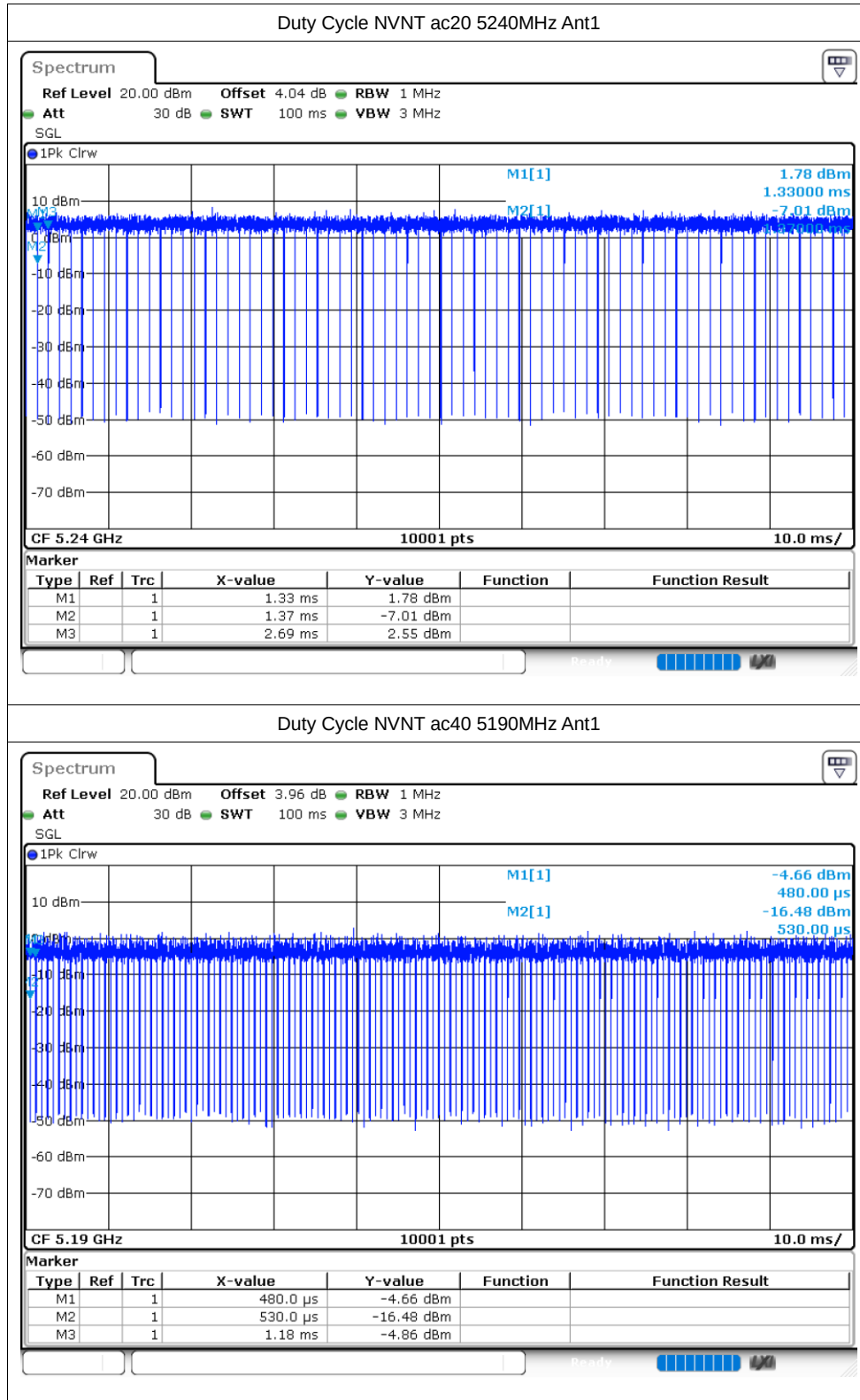


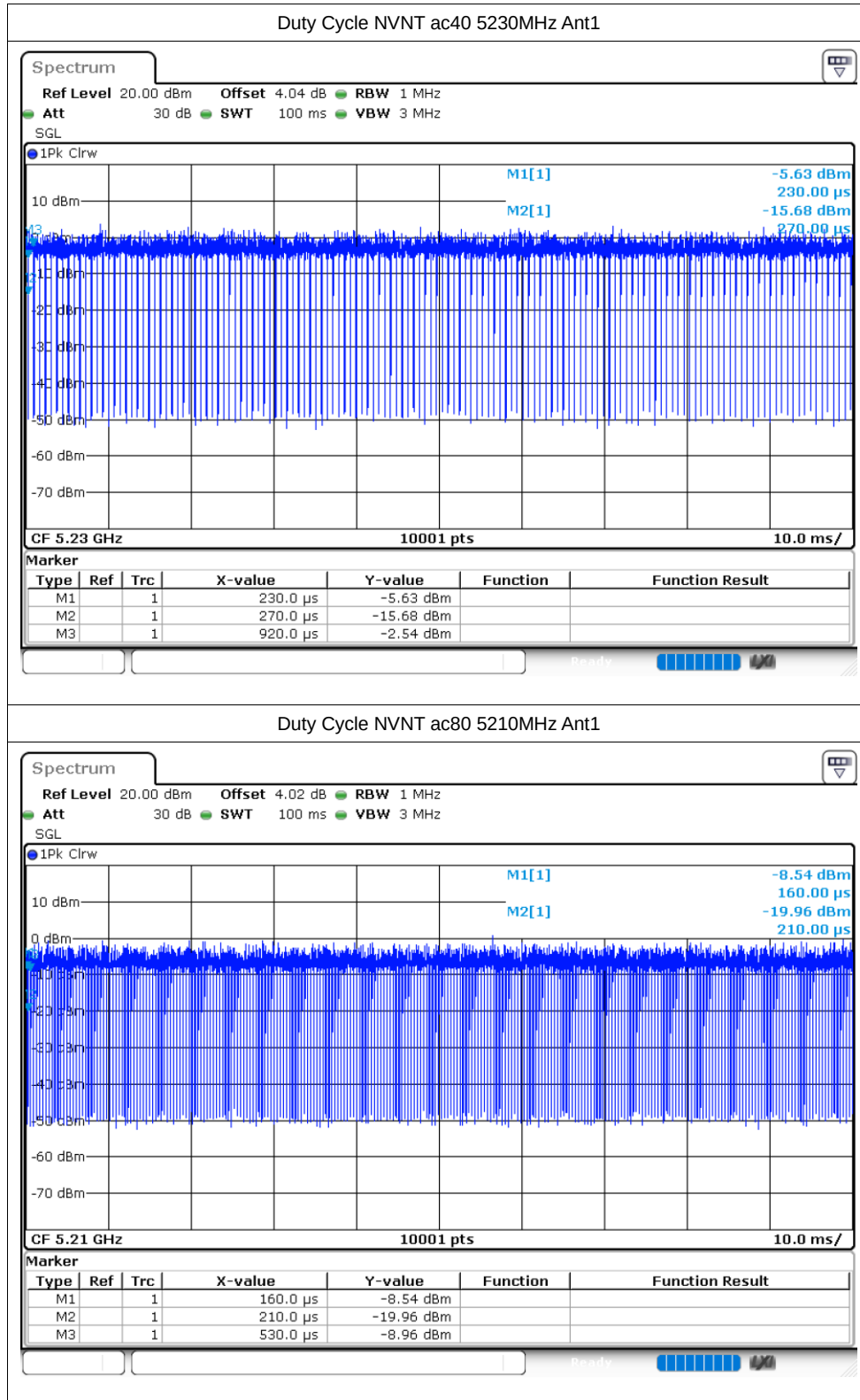












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.21	24	Pass
NVNT	a	5200	Ant1	11.35	24	Pass
NVNT	a	5240	Ant1	11.09	24	Pass
NVNT	n20	5180	Ant1	11.27	24	Pass
NVNT	n20	5200	Ant1	11.3	24	Pass
NVNT	n20	5240	Ant1	10.51	24	Pass
NVNT	n40	5190	Ant1	10.35	24	Pass
NVNT	n40	5230	Ant1	11.18	24	Pass
NVNT	ac20	5180	Ant1	10.52	24	Pass
NVNT	ac20	5200	Ant1	10.64	24	Pass
NVNT	ac20	5240	Ant1	10.5	24	Pass
NVNT	ac40	5190	Ant1	10.31	24	Pass
NVNT	ac40	5230	Ant1	10.09	24	Pass
NVNT	ac80	5210	Ant1	9.79	24	Pass

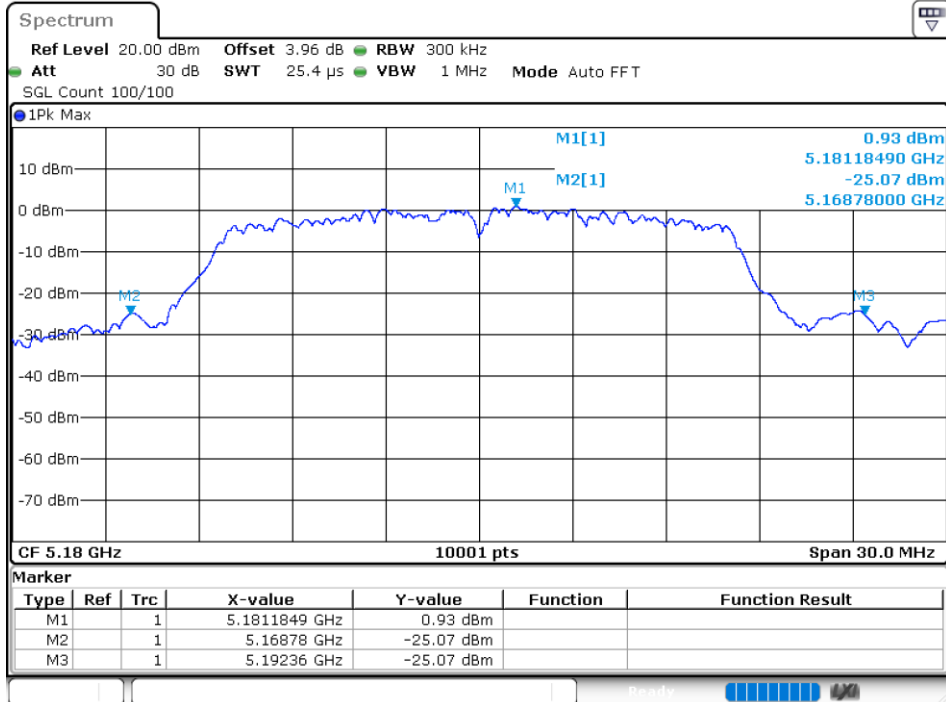
Note: The average power value already includes the duty cycle factor

-26dB Bandwidth

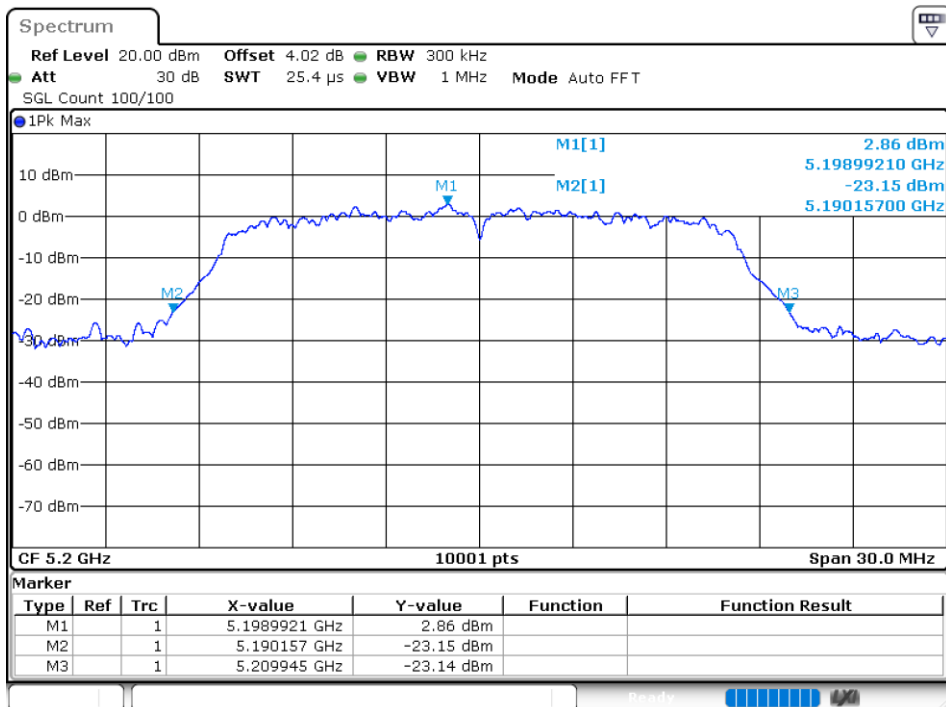
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	23.58	Pass
NVNT	a	5200	Ant1	19.788	Pass
NVNT	a	5240	Ant1	19.866	Pass
NVNT	n20	5180	Ant1	21.579	Pass
NVNT	n20	5200	Ant1	19.95	Pass
NVNT	n20	5240	Ant1	24.084	Pass
NVNT	n40	5190	Ant1	54.072	Pass
NVNT	n40	5230	Ant1	52.05	Pass
NVNT	ac20	5180	Ant1	25.992	Pass
NVNT	ac20	5200	Ant1	19.959	Pass
NVNT	ac20	5240	Ant1	20.244	Pass
NVNT	ac40	5190	Ant1	52.284	Pass
NVNT	ac40	5230	Ant1	43.914	Pass
NVNT	ac80	5210	Ant1	97.104	Pass

Test Graphs

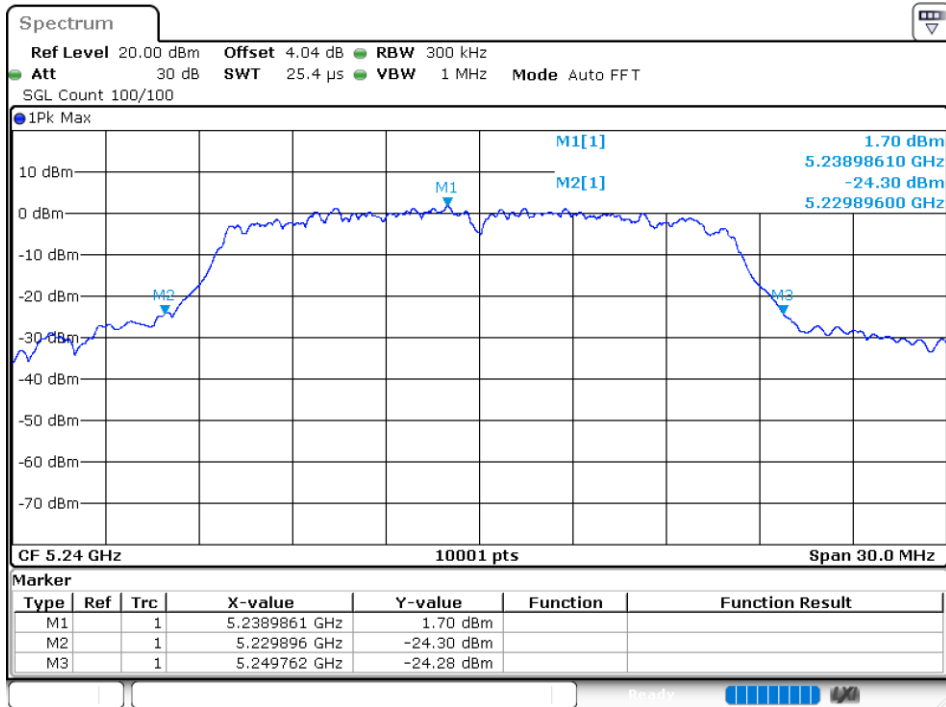
-26dB Bandwidth NVNT a 5180MHz Ant1



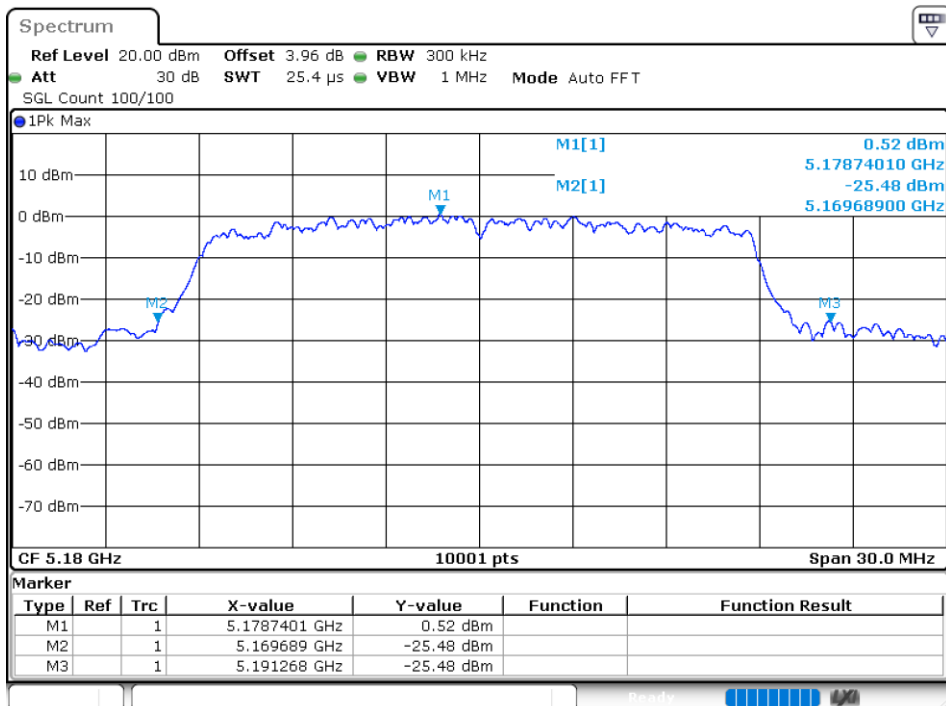
-26dB Bandwidth NVNT a 5200MHz Ant1

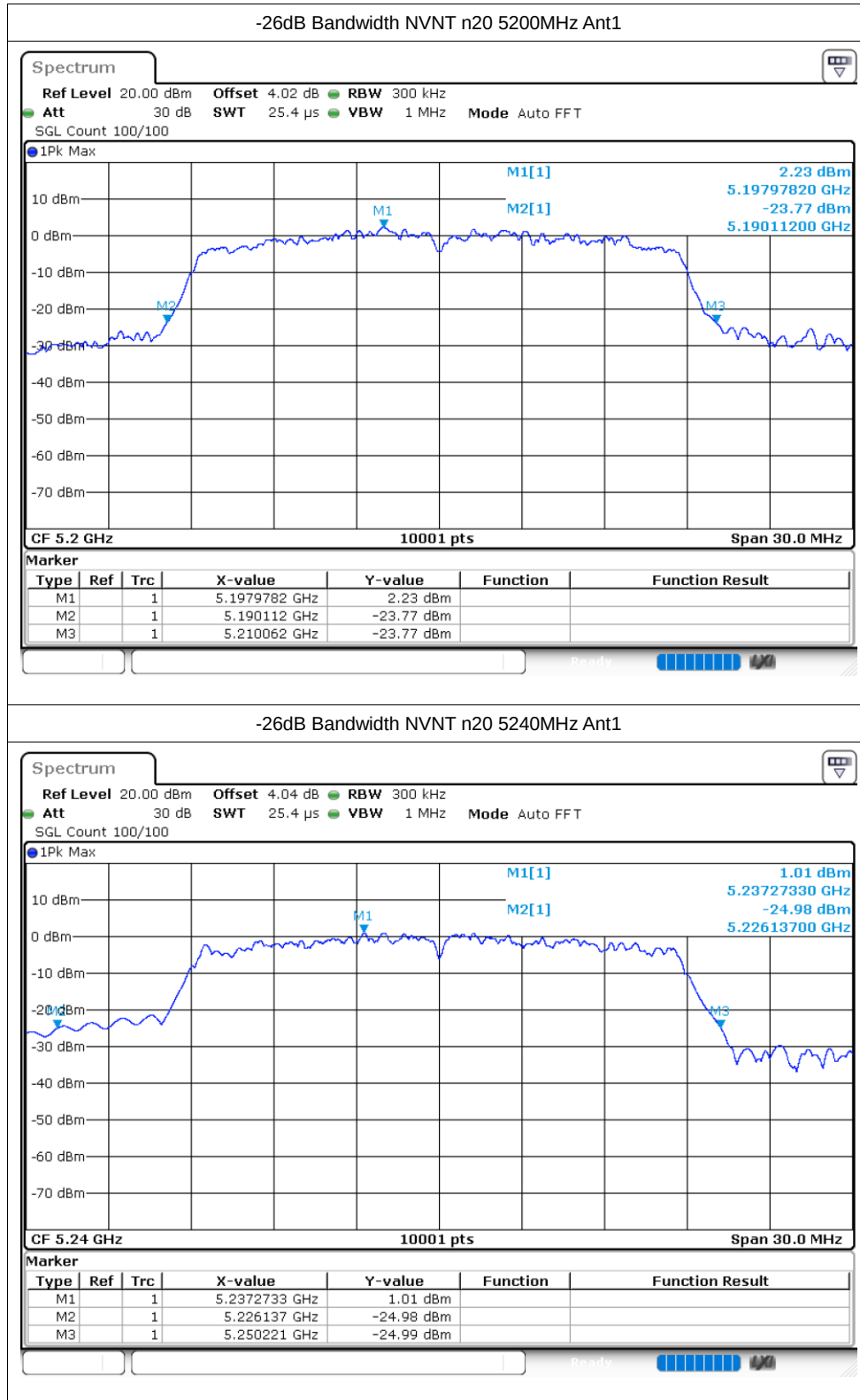


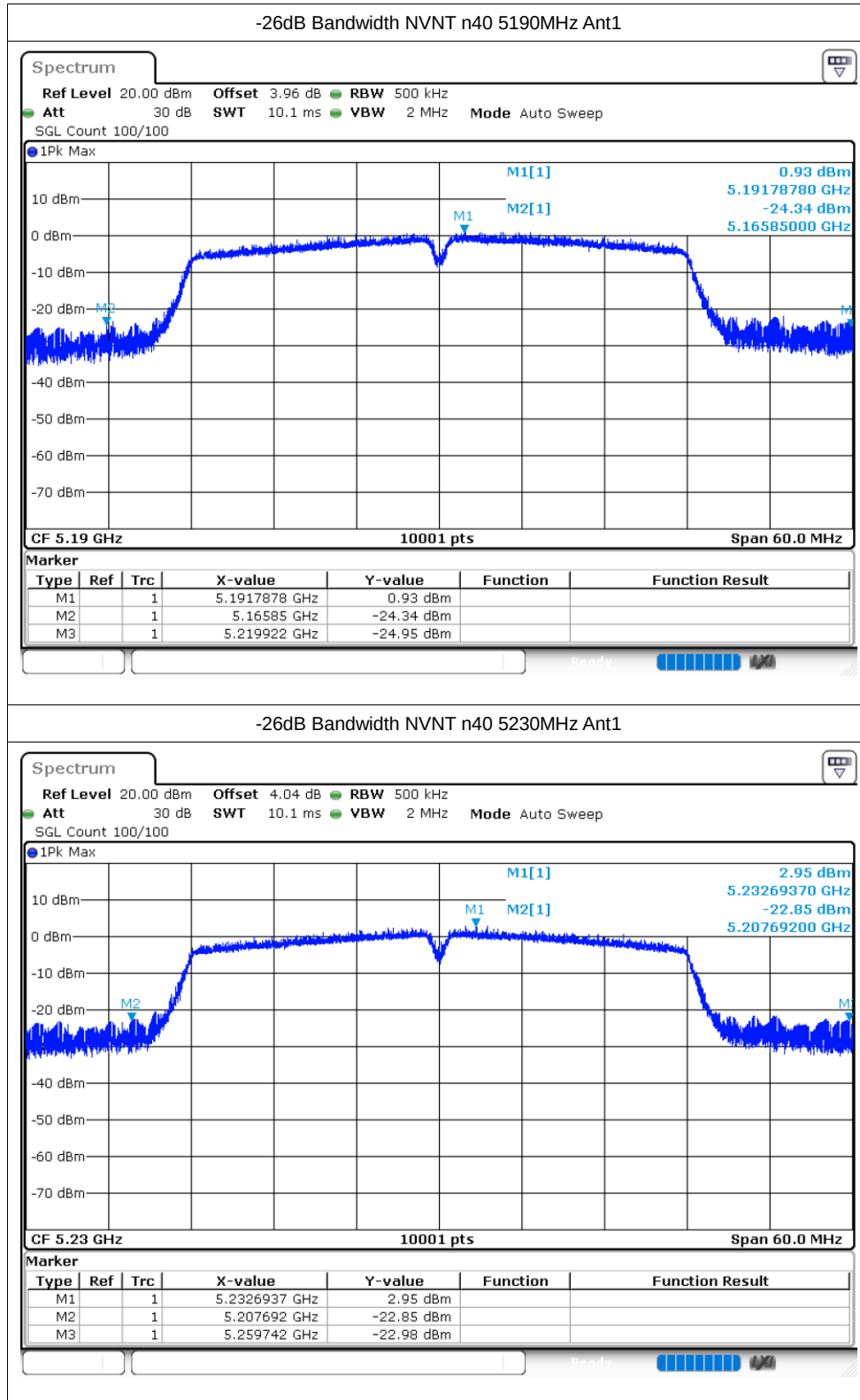
-26dB Bandwidth NVNT a 5240MHz Ant1

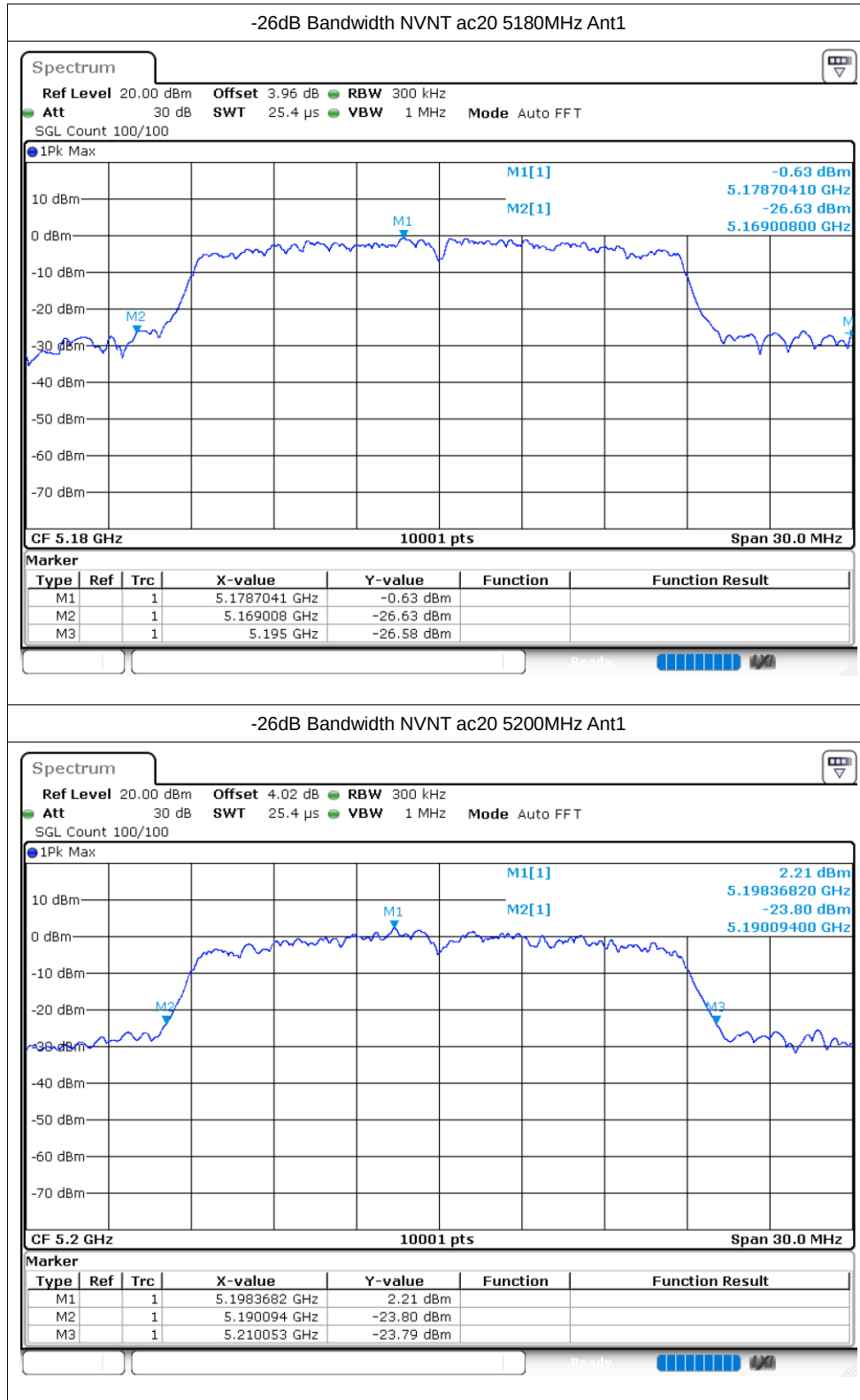


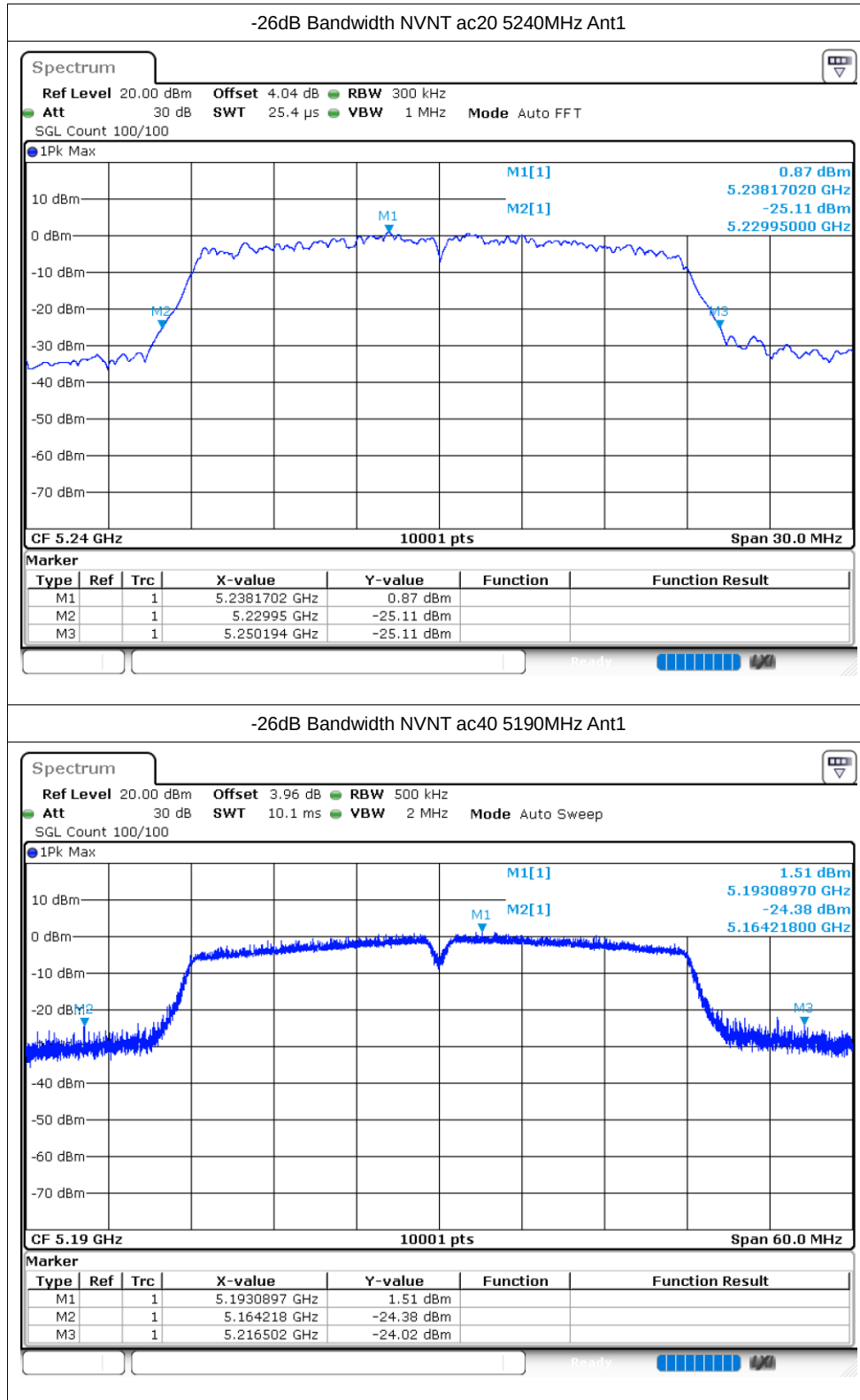
-26dB Bandwidth NVNT n20 5180MHz Ant1

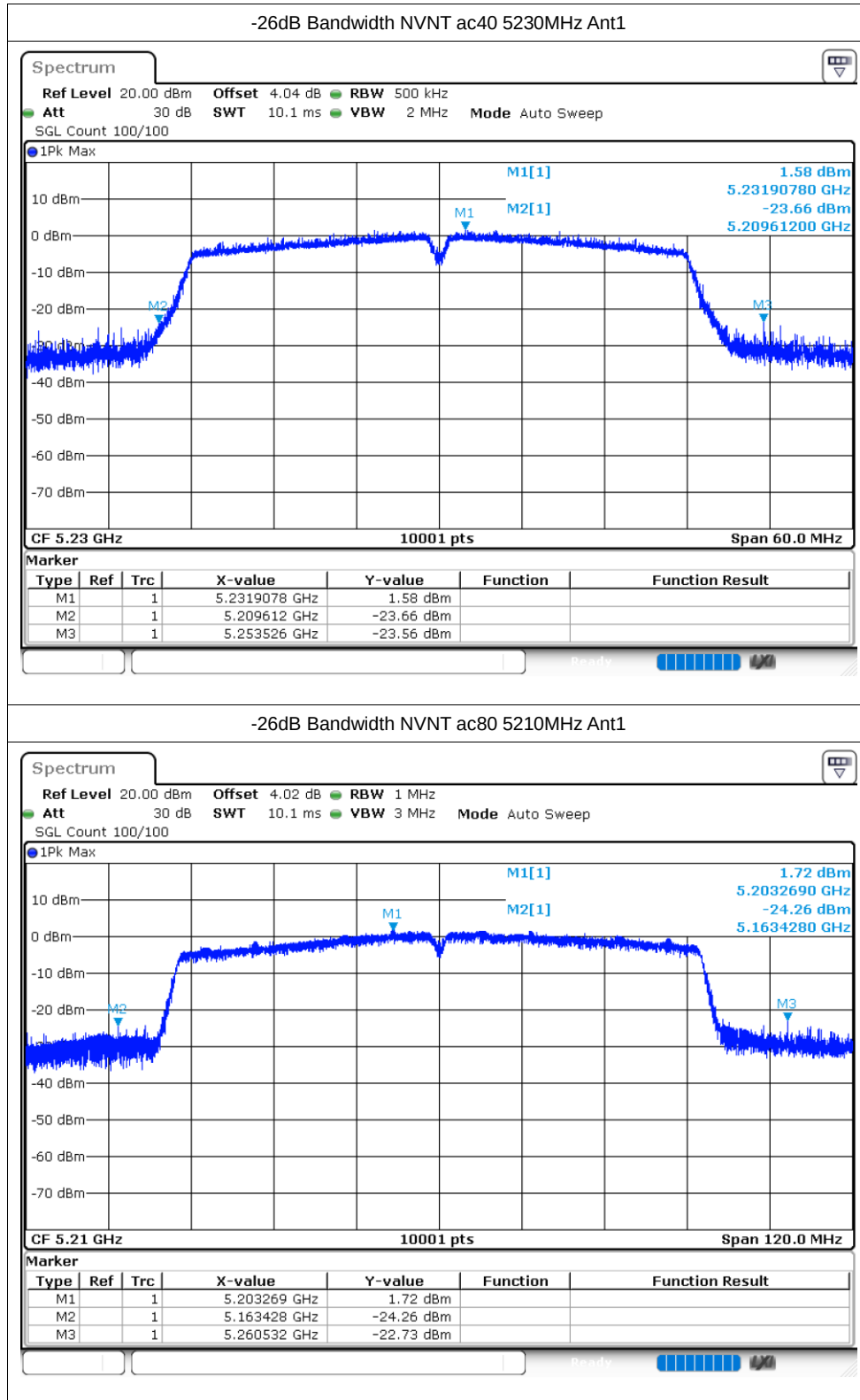










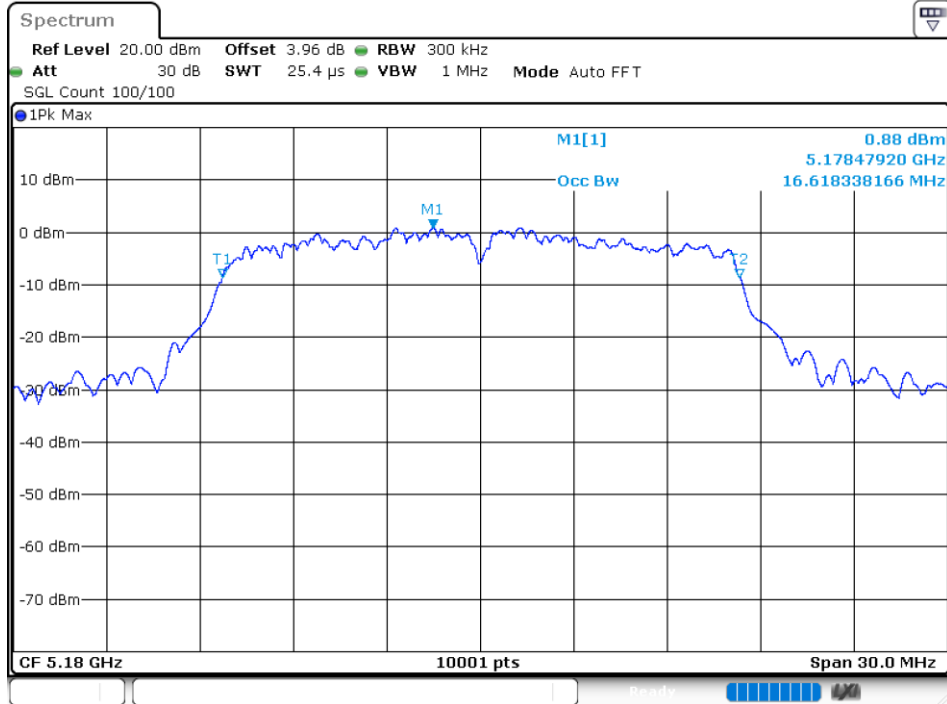


Occupied Channel Bandwidth

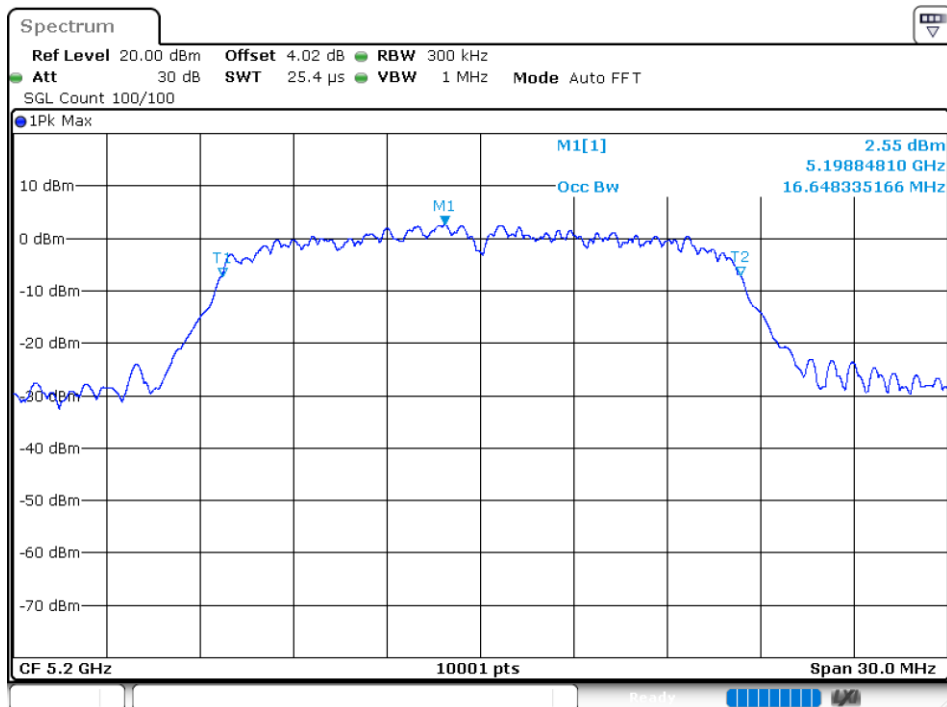
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.618
NVNT	a	5200	Ant1	16.648
NVNT	a	5240	Ant1	16.696
NVNT	n20	5180	Ant1	17.635
NVNT	n20	5200	Ant1	17.569
NVNT	n20	5240	Ant1	17.485
NVNT	n40	5190	Ant1	36.158
NVNT	n40	5230	Ant1	36.104
NVNT	ac20	5180	Ant1	17.566
NVNT	ac20	5200	Ant1	17.602
NVNT	ac20	5240	Ant1	17.566
NVNT	ac40	5190	Ant1	36.128
NVNT	ac40	5230	Ant1	35.984
NVNT	ac80	5210	Ant1	75.1

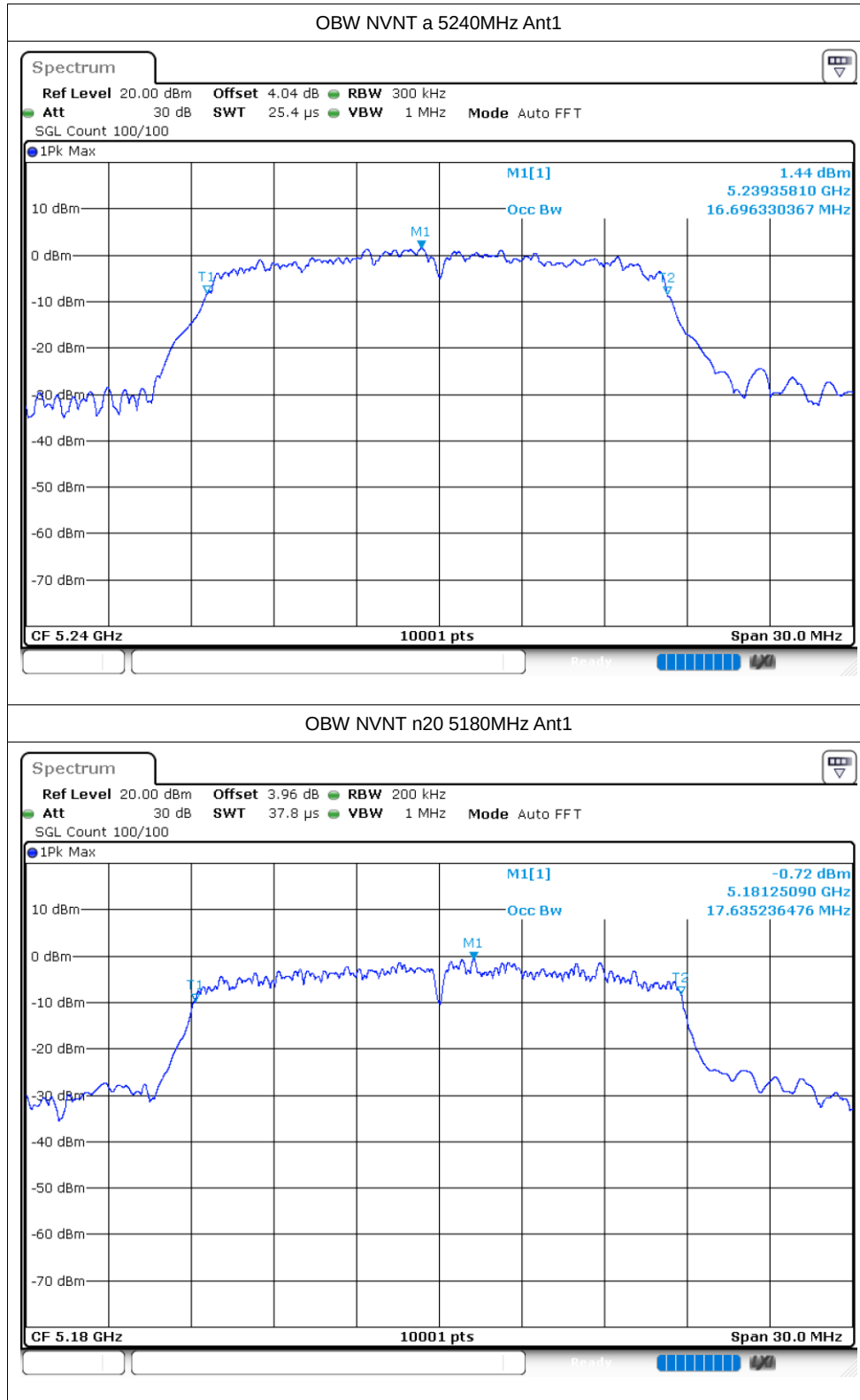
Test Graphs

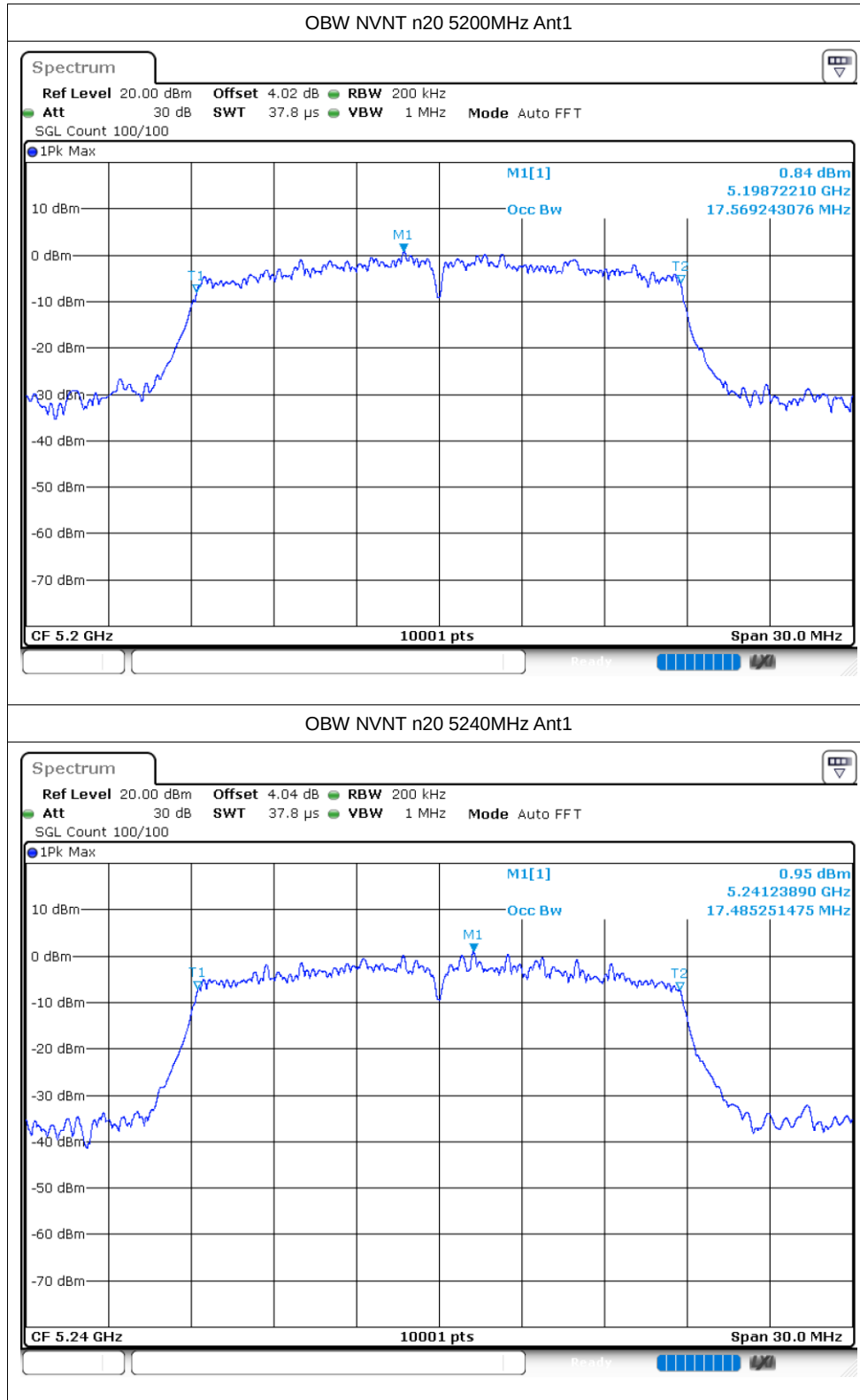
OBW NVNT a 5180MHz Ant1

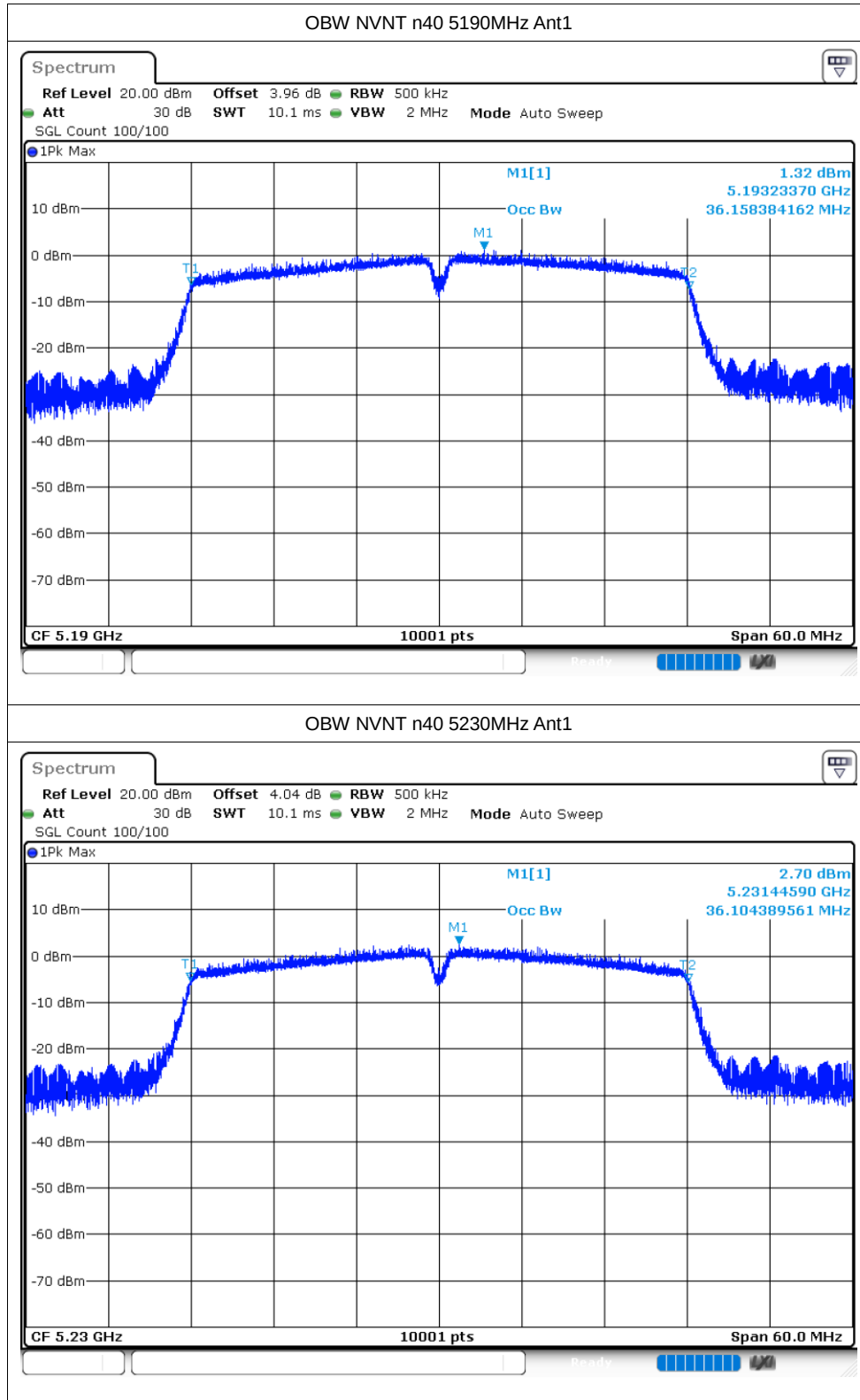


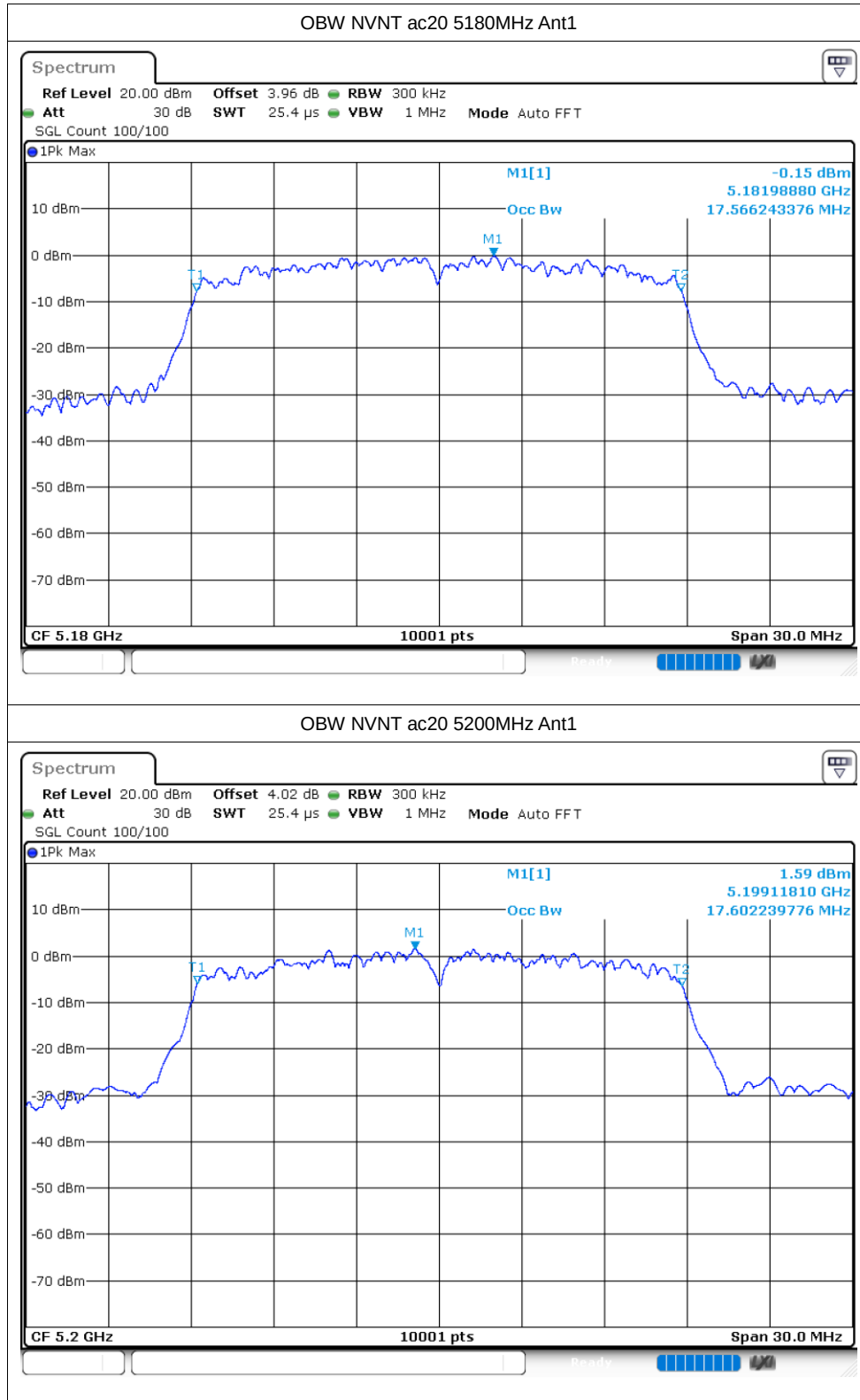
OBW NVNT a 5200MHz Ant1

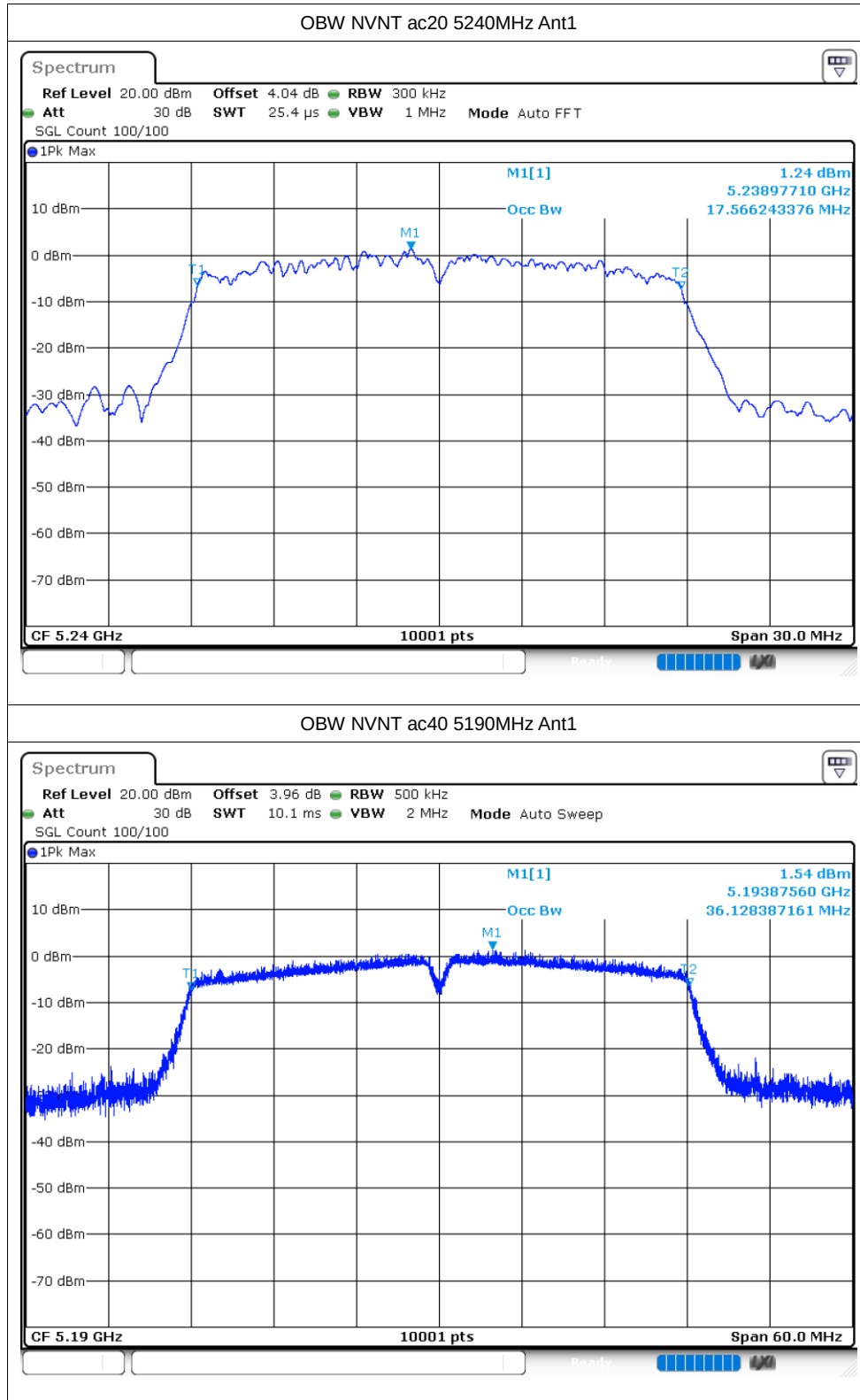


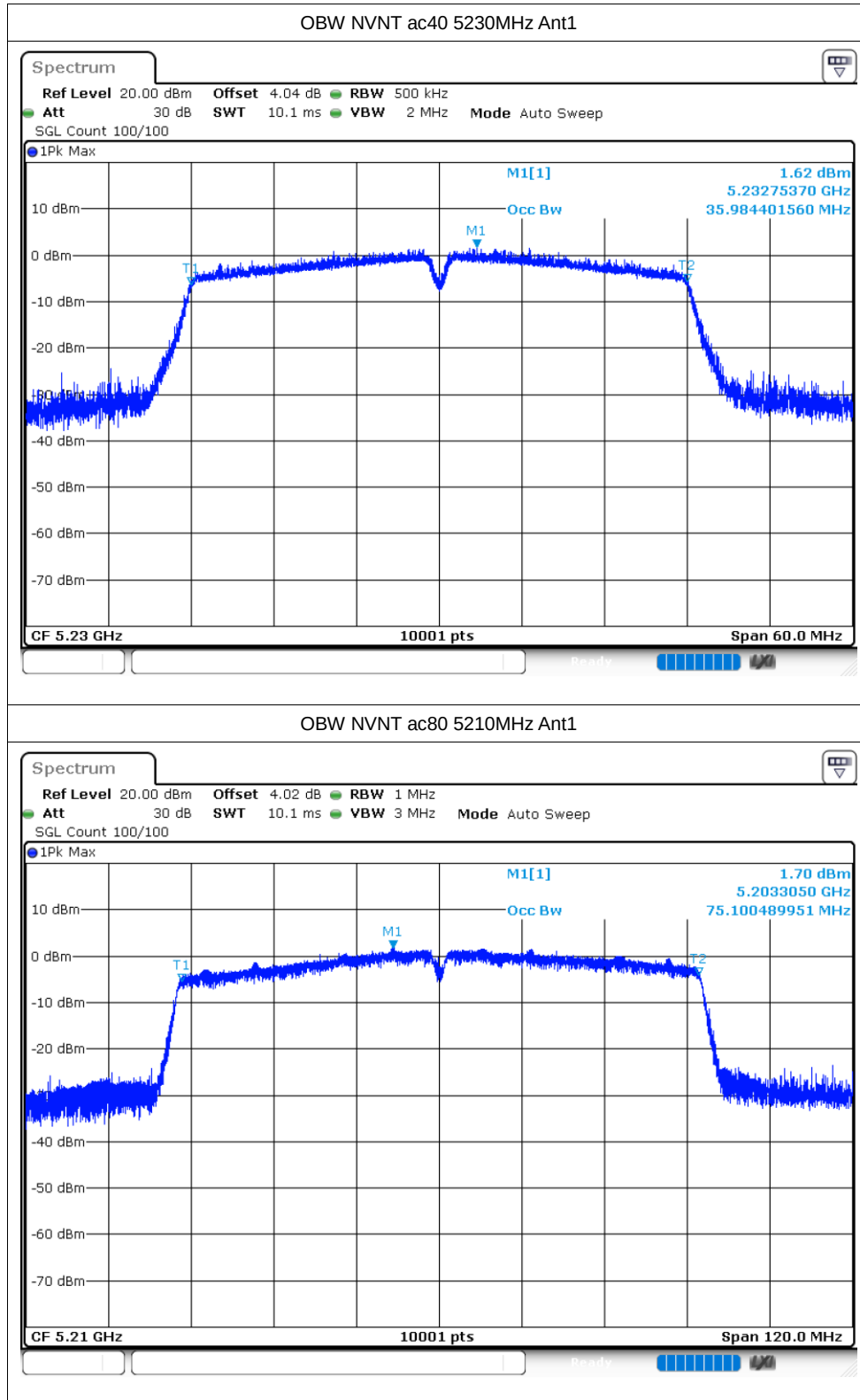










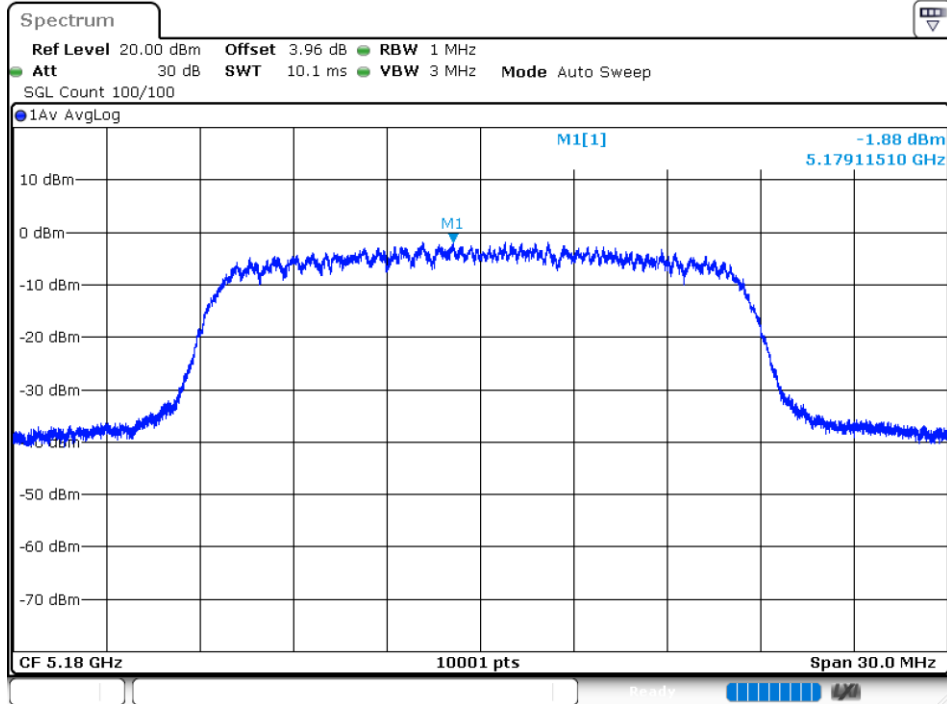


Maximum Power Spectral Density Level

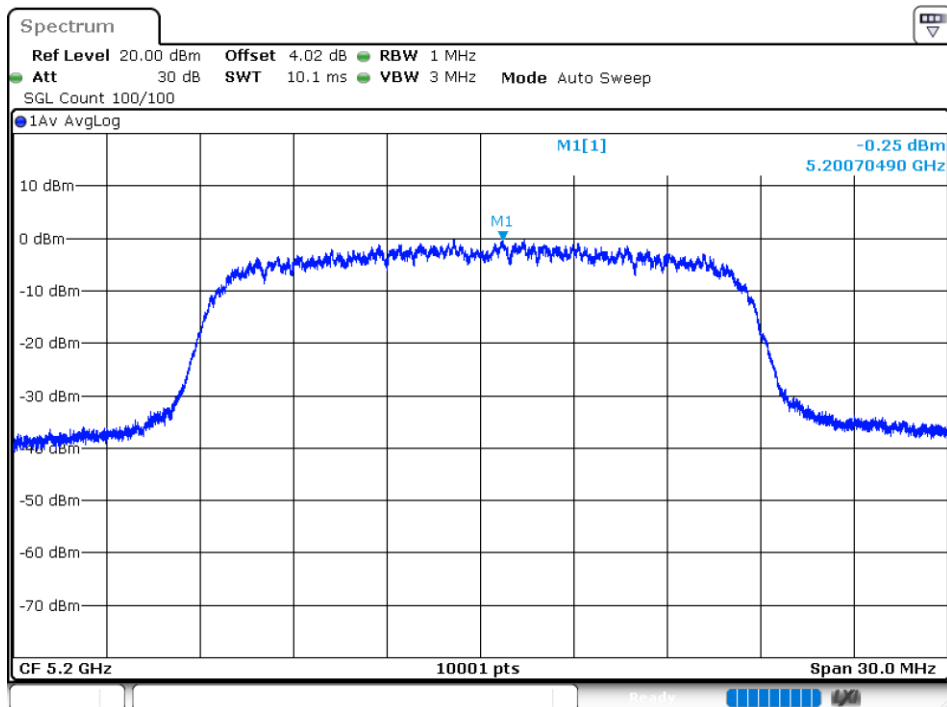
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-1.88	0.1	-1.78	11	Pass
NVNT	a	5200	Ant1	-0.25	0.1	-0.15	11	Pass
NVNT	a	5240	Ant1	-0.63	0.1	-0.53	11	Pass
NVNT	n20	5180	Ant1	-2.32	0.11	-2.21	11	Pass
NVNT	n20	5200	Ant1	-0.64	0.11	-0.53	11	Pass
NVNT	n20	5240	Ant1	-1.54	0.11	-1.43	11	Pass
NVNT	n40	5190	Ant1	-5.96	0.22	-5.74	11	Pass
NVNT	n40	5230	Ant1	-4.2	0.21	-3.99	11	Pass
NVNT	ac20	5180	Ant1	-2.8	0.11	-2.69	11	Pass
NVNT	ac20	5200	Ant1	-1.03	0.11	-0.92	11	Pass
NVNT	ac20	5240	Ant1	-1.73	0.11	-1.62	11	Pass
NVNT	ac40	5190	Ant1	-5.41	0.21	-5.2	11	Pass
NVNT	ac40	5230	Ant1	-5.4	0.21	-5.19	11	Pass
NVNT	ac80	5210	Ant1	-11.63	0.5	-11.13	11	Pass

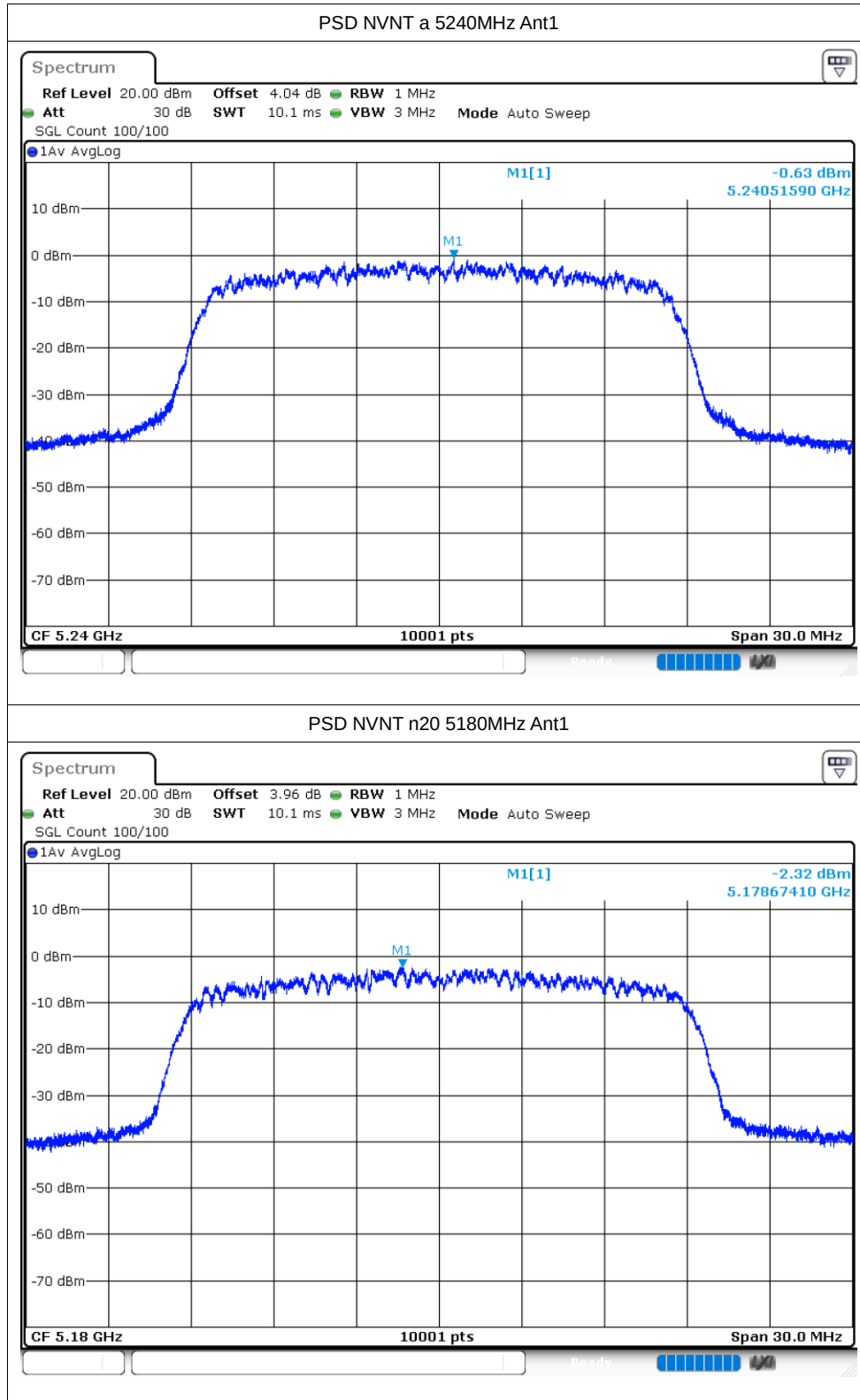
Test Graphs

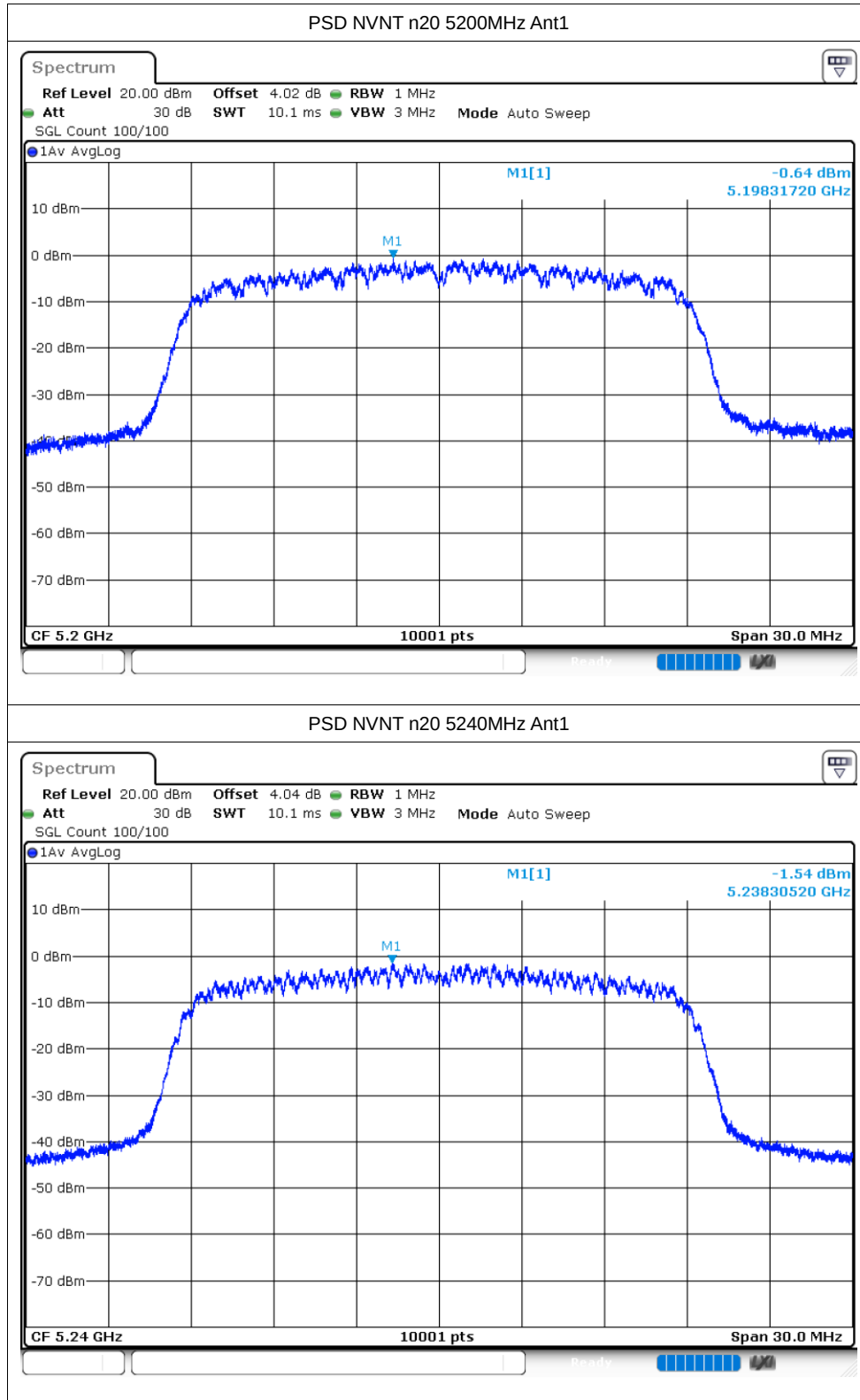
PSD NVNT a 5180MHz Ant1

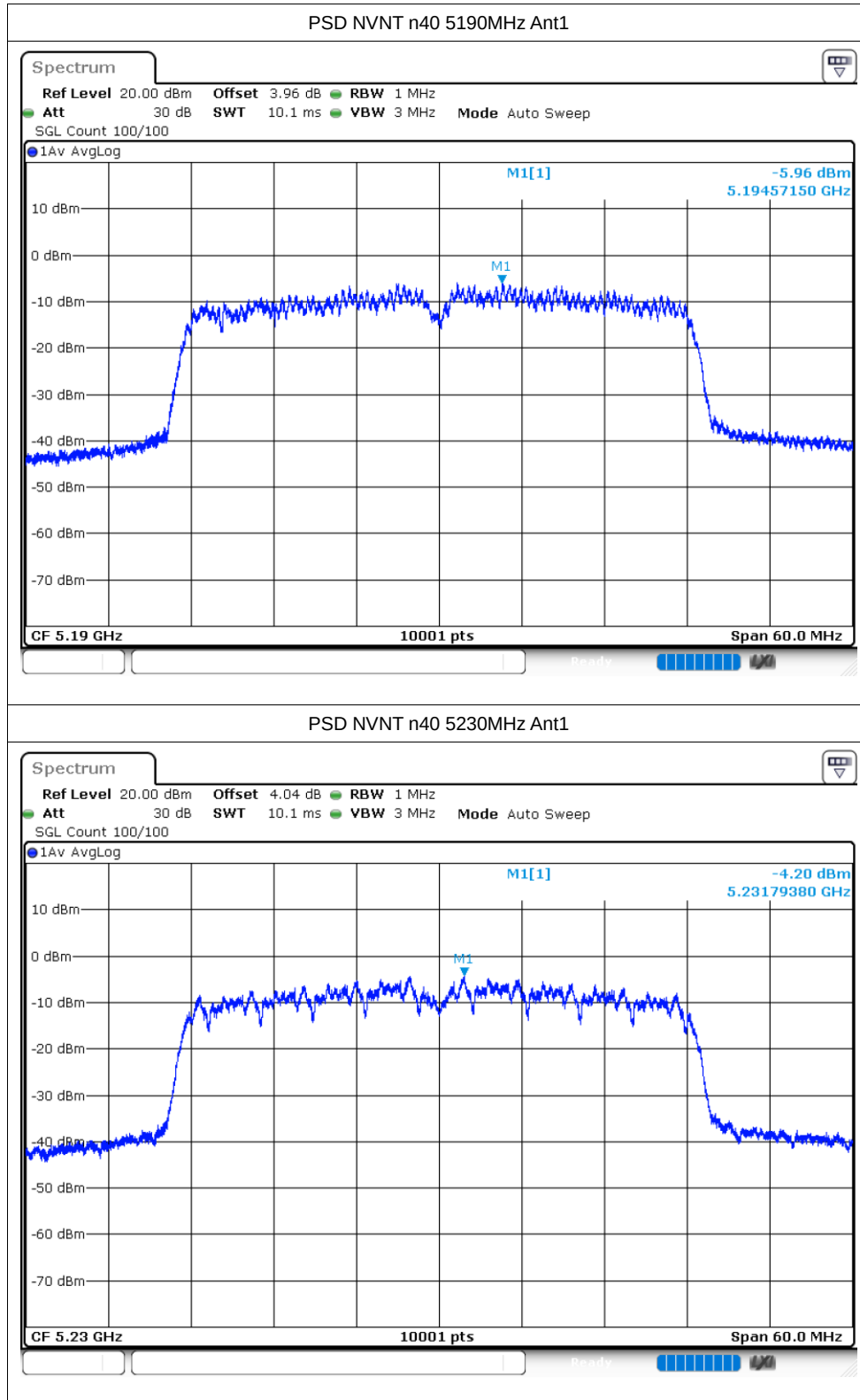


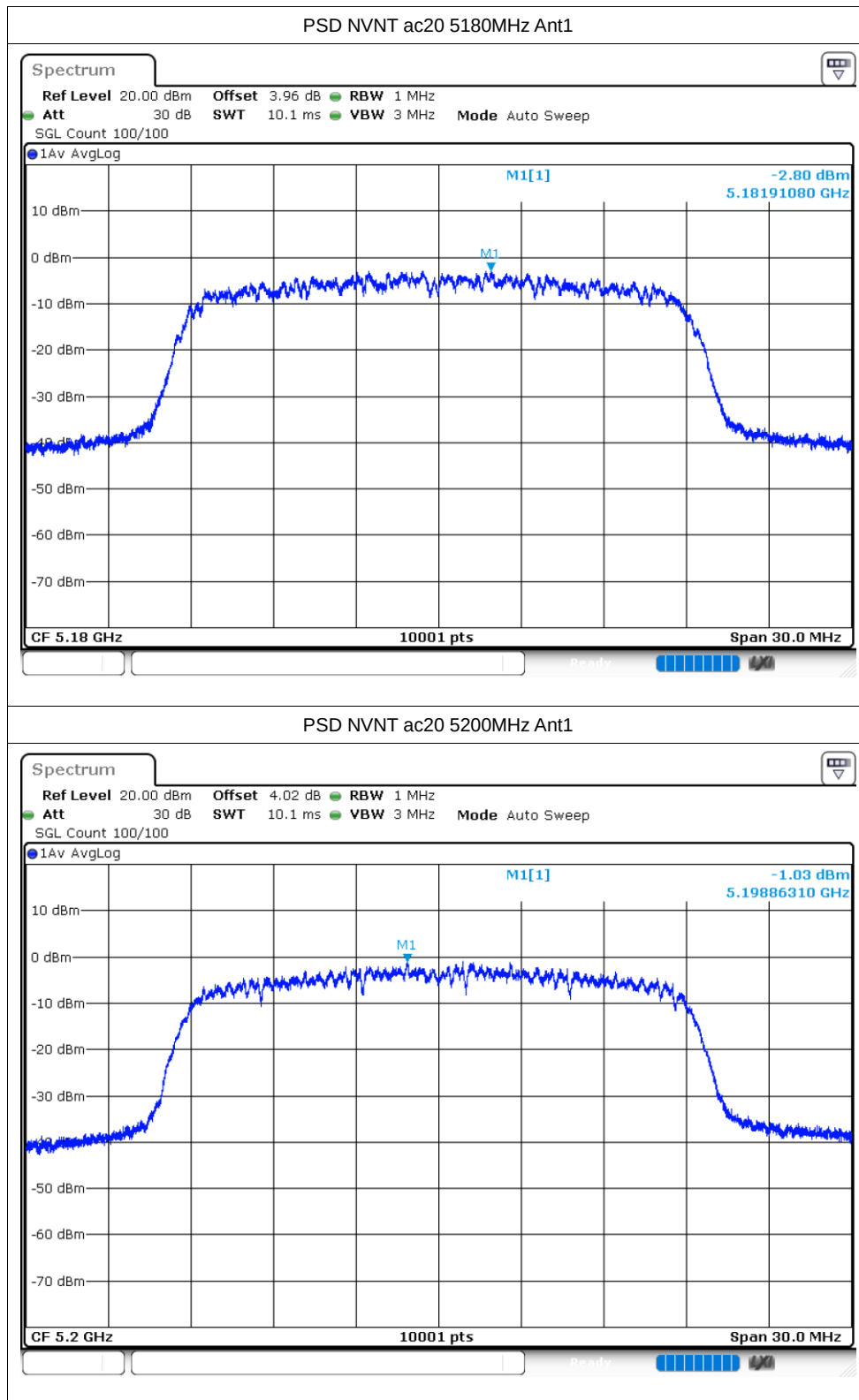
PSD NVNT a 5200MHz Ant1

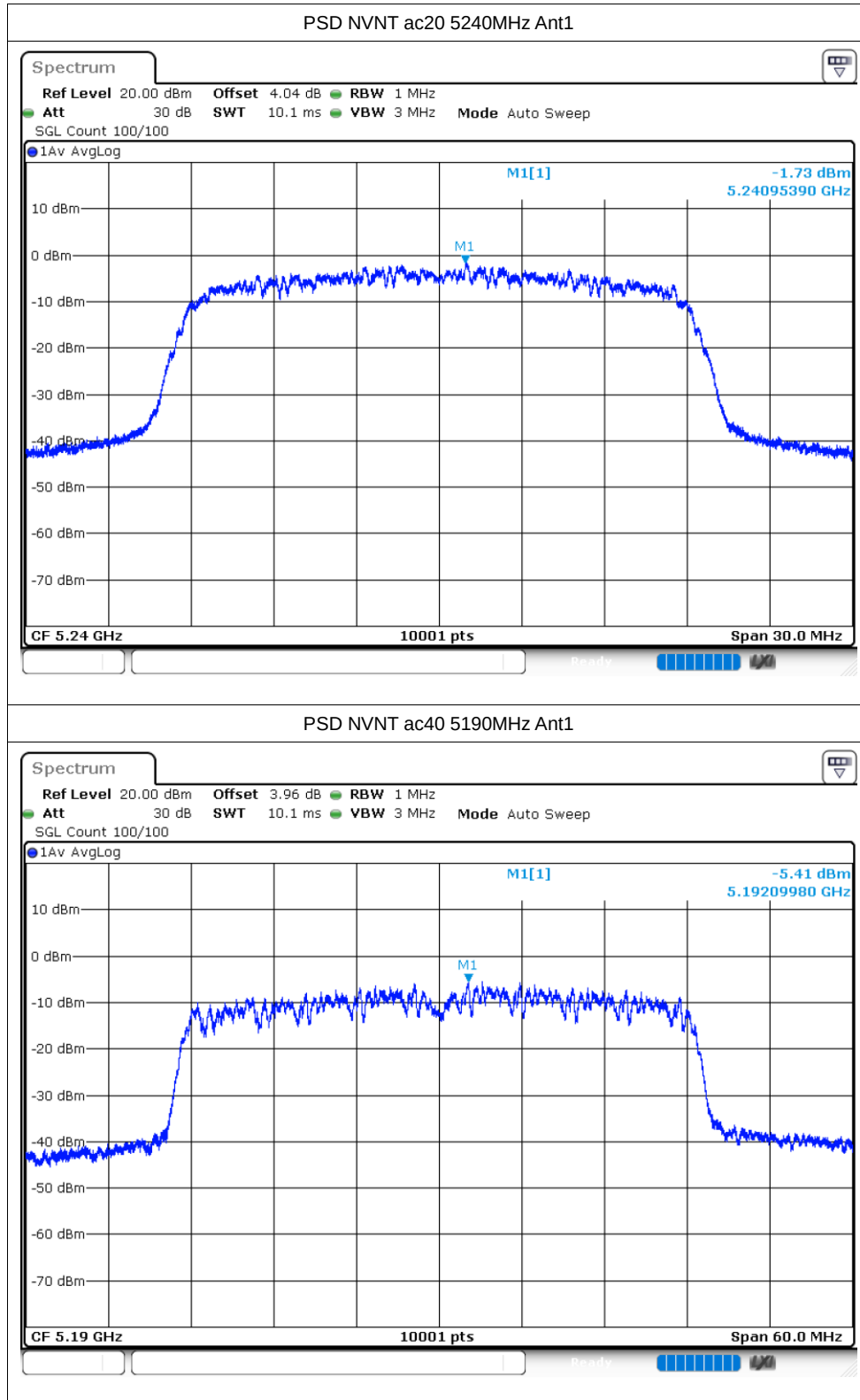


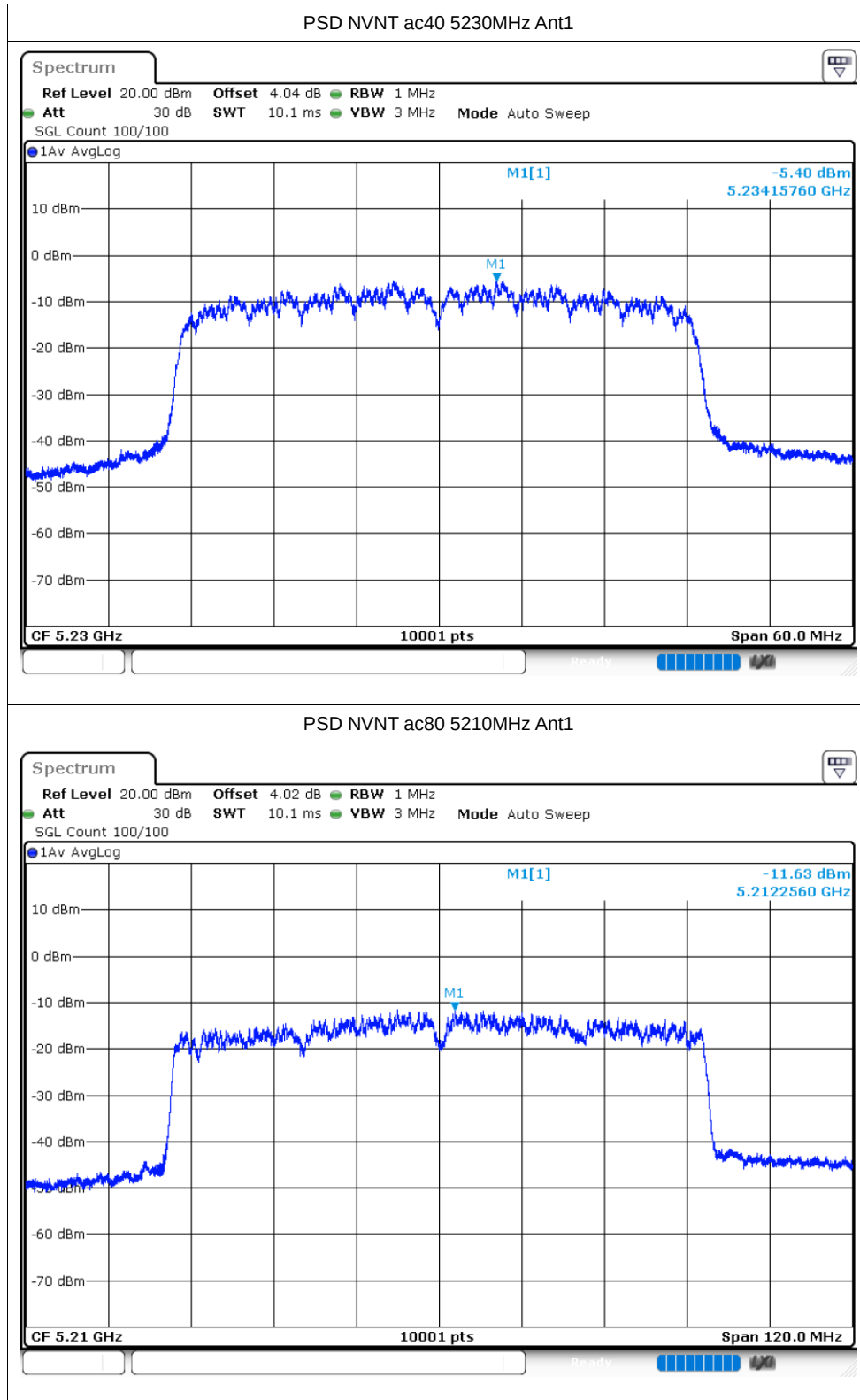










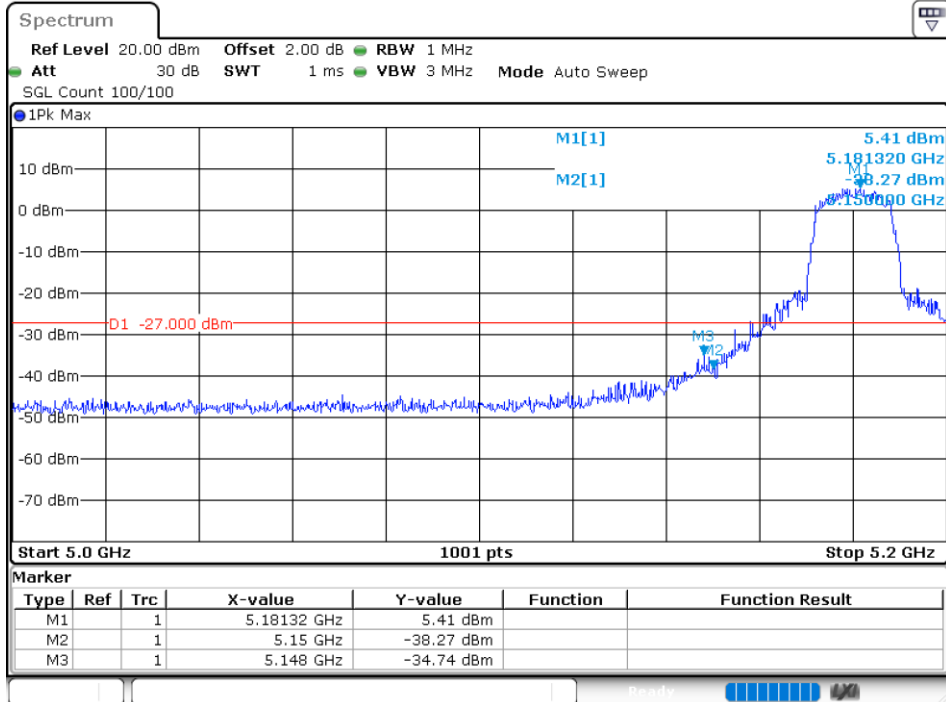


Band Edge

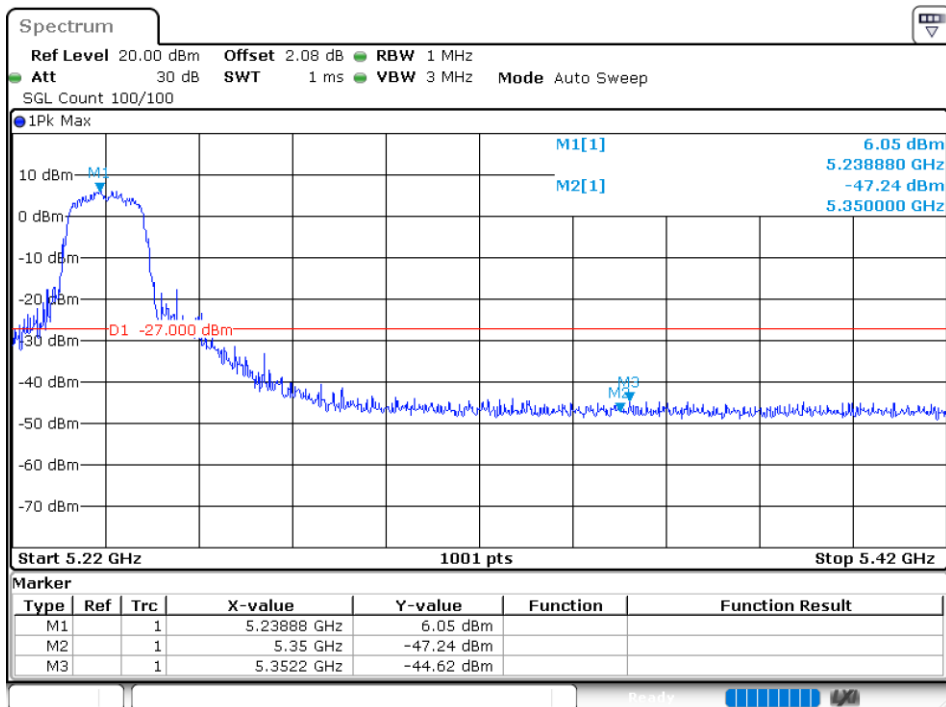
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-34.74	-27	Pass
NVNT	a	5240	Ant1	-44.62	-27	Pass
NVNT	n20	5180	Ant1	-34.6	-27	Pass
NVNT	n20	5240	Ant1	-44.48	-27	Pass
NVNT	n40	5190	Ant1	-29.89	-27	Pass
NVNT	n40	5230	Ant1	-44.49	-27	Pass
NVNT	ac20	5180	Ant1	-36.19	-27	Pass
NVNT	ac20	5240	Ant1	-44.38	-27	Pass
NVNT	ac40	5190	Ant1	-27.63	-27	Pass
NVNT	ac40	5230	Ant1	-43.37	-27	Pass
NVNT	ac80	5210	Ant1	-40.9	-27	Pass
NVNT	ac80	5210	Ant1	-32.59	-27	Pass

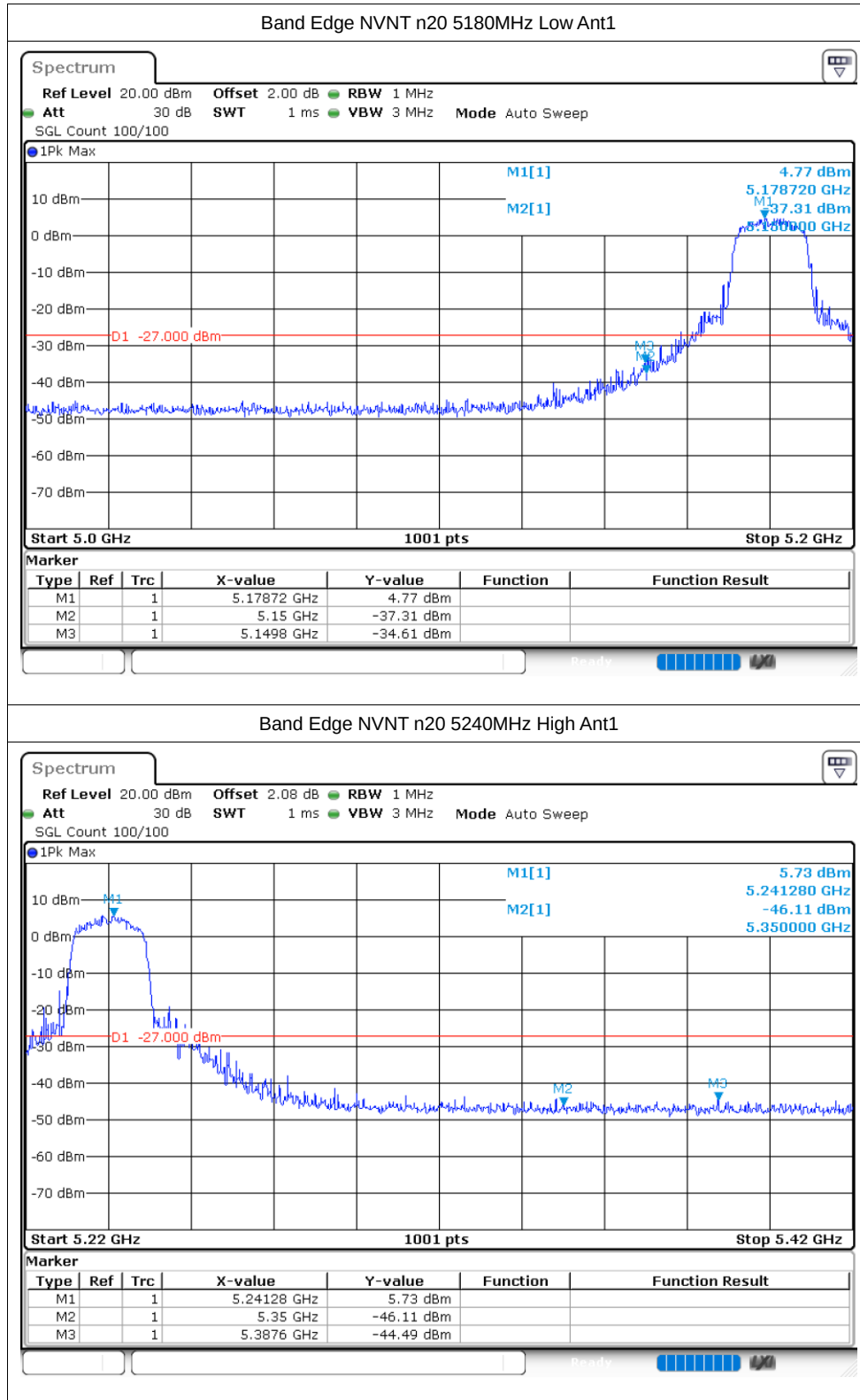
Test Graphs

Band Edge NVNT a 5180MHz Low Ant1

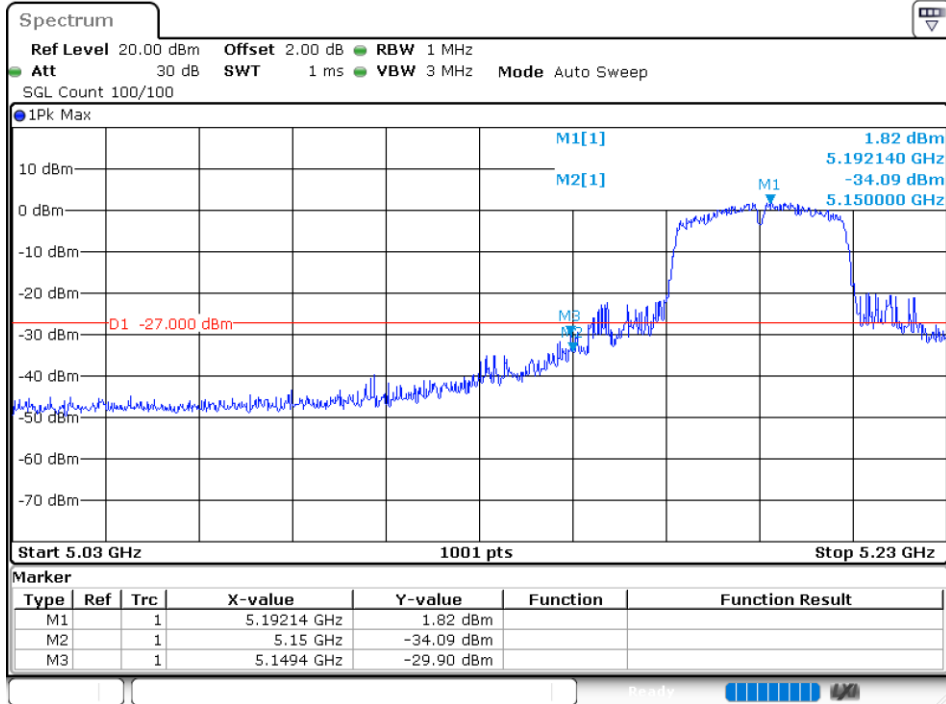


Band Edge NVNT a 5240MHz High Ant1

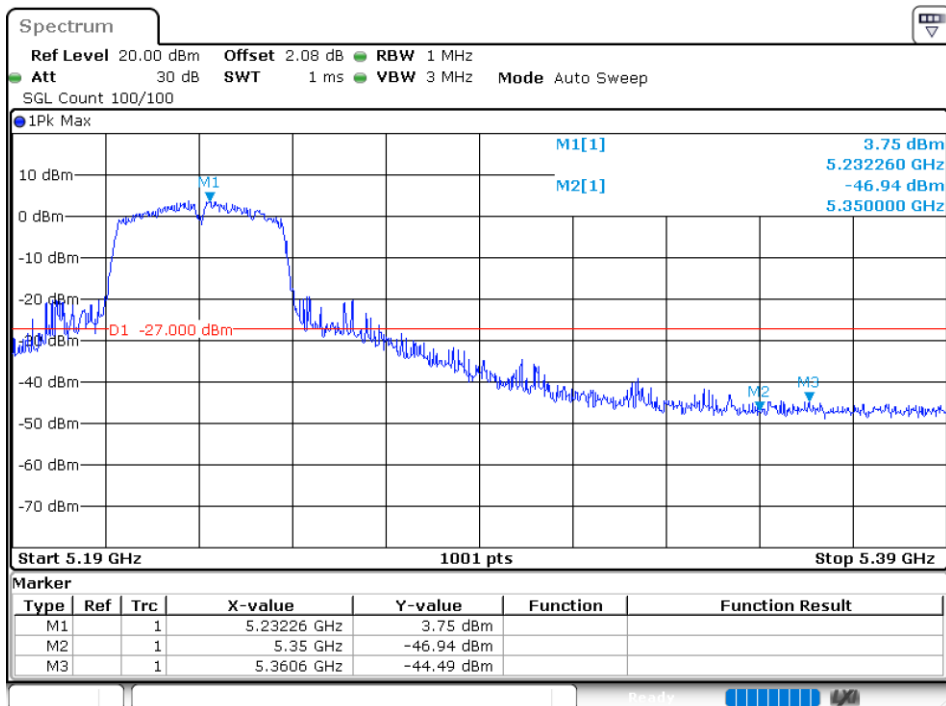




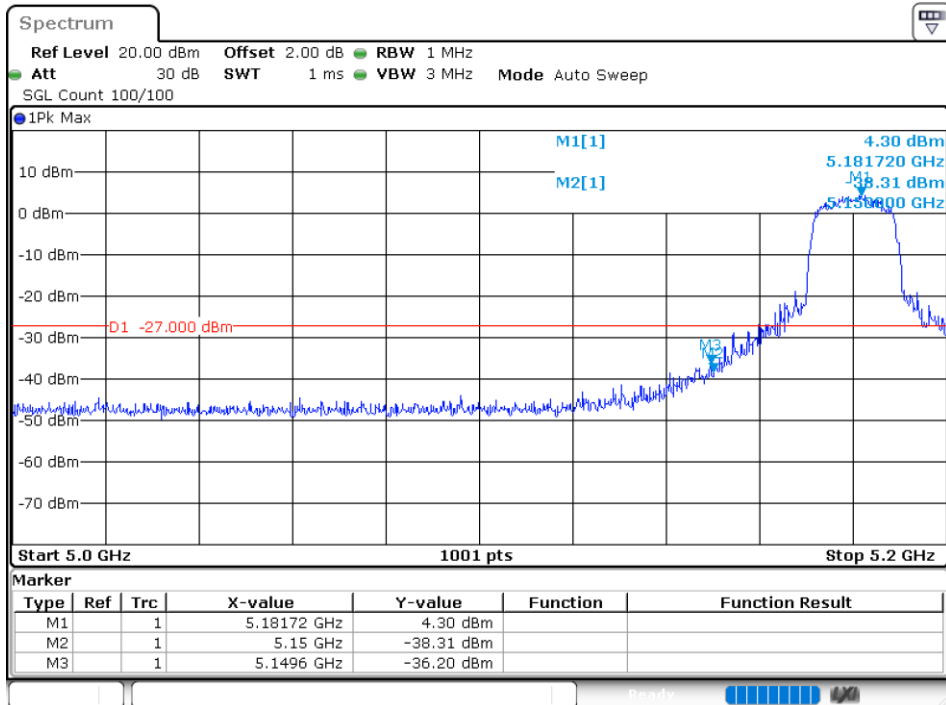
Band Edge NVNT n40 5190MHz Low Ant1



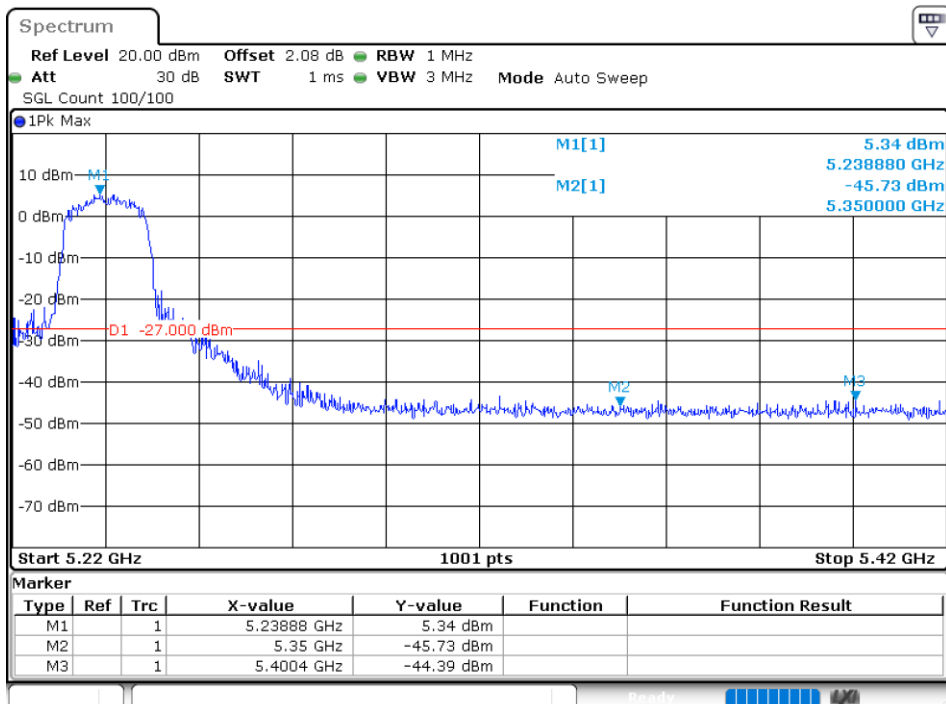
Band Edge NVNT n40 5230MHz High Ant1



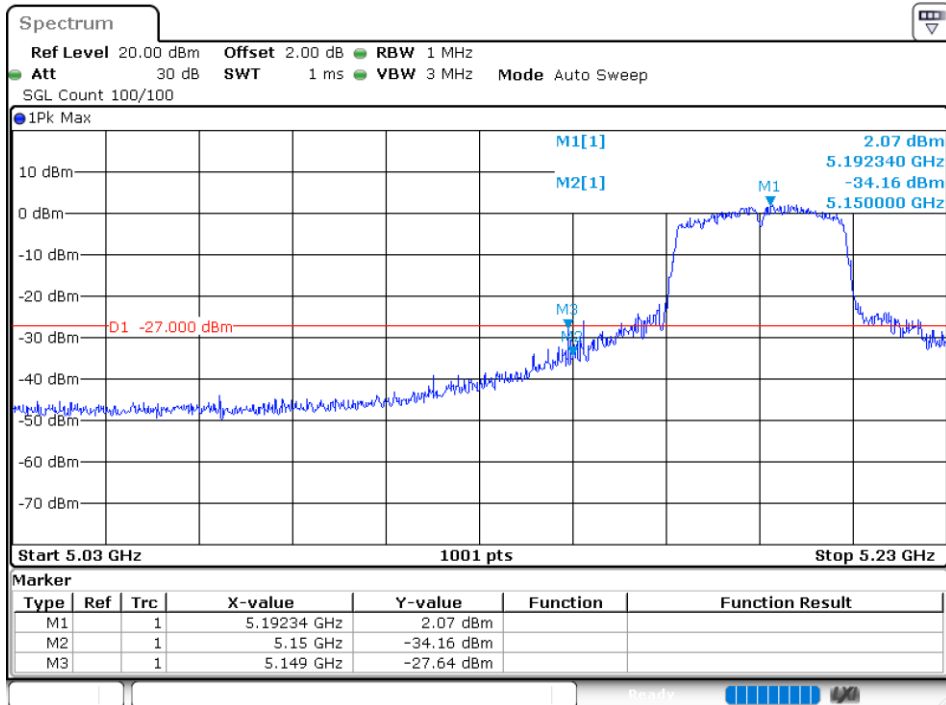
Band Edge NVNT ac20 5180MHz Low Ant1



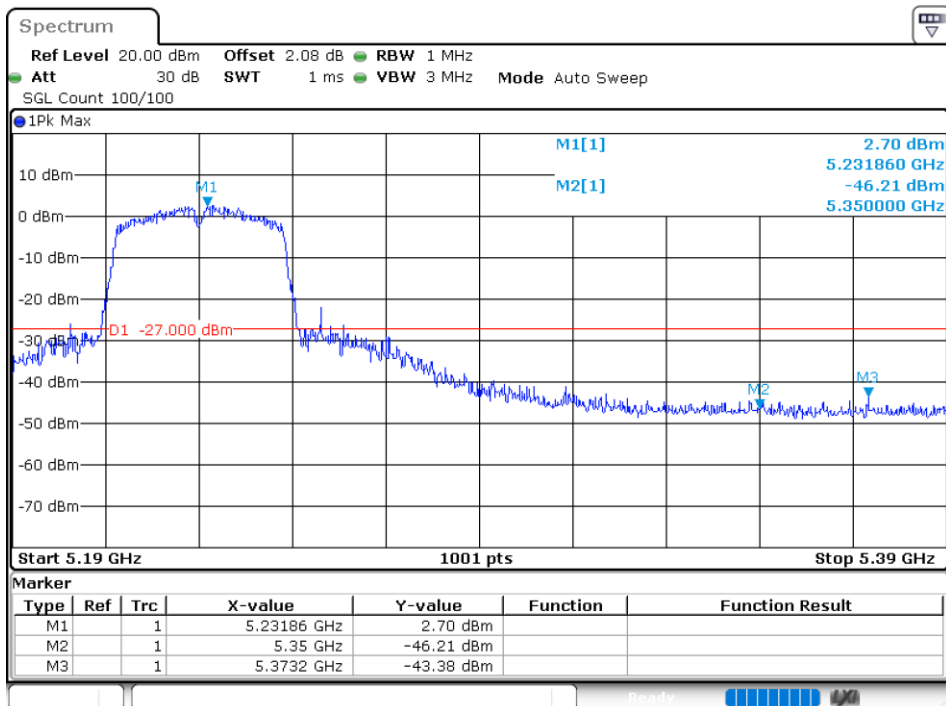
Band Edge NVNT ac20 5240MHz High Ant1



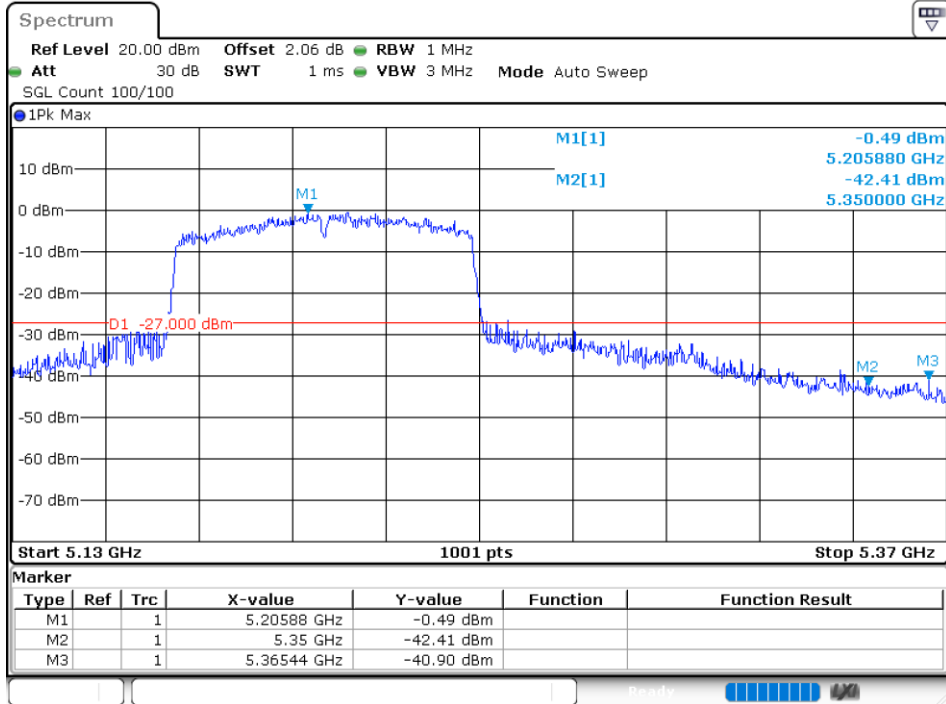
Band Edge NVNT ac40 5190MHz Low Ant1



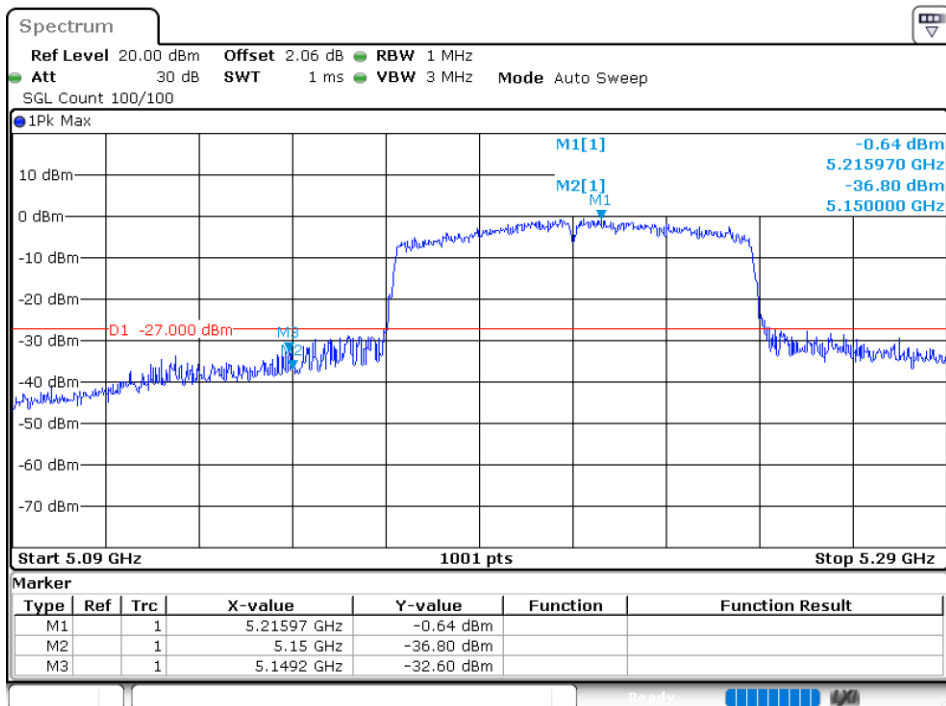
Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ac80 5210MHz High Ant1



Band Edge NVNT ac80 5210MHz Low Ant1

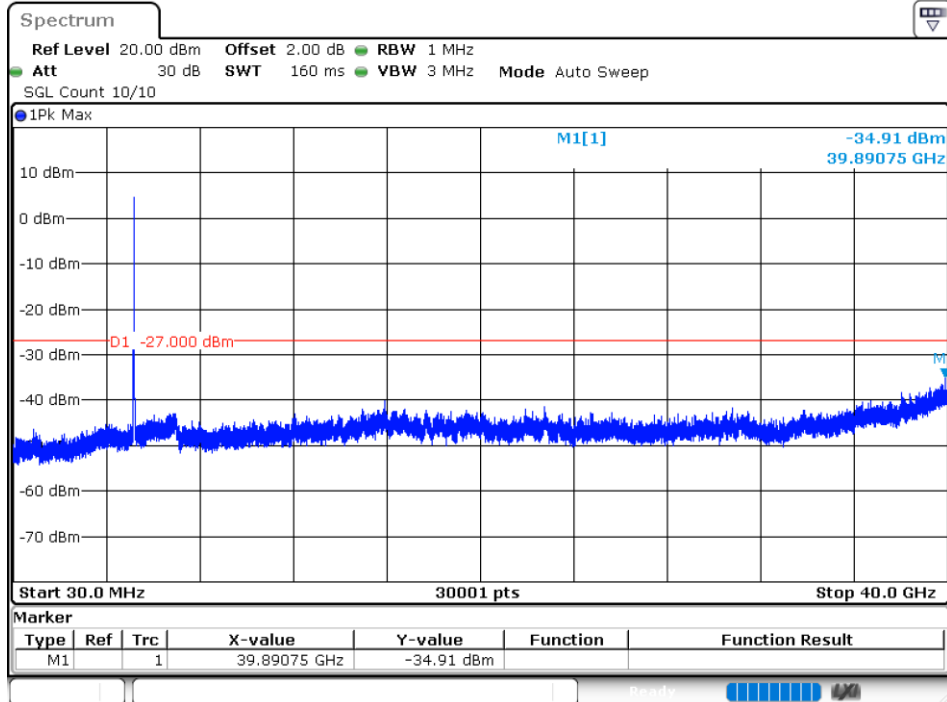


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.91	-27	Pass
NVNT	a	5200	Ant1	-36.44	-27	Pass
NVNT	a	5240	Ant1	-35.99	-27	Pass
NVNT	n20	5180	Ant1	-36.6	-27	Pass
NVNT	n20	5200	Ant1	-36.62	-27	Pass
NVNT	n20	5240	Ant1	-36.06	-27	Pass
NVNT	n40	5190	Ant1	-36.04	-27	Pass
NVNT	n40	5230	Ant1	-35.93	-27	Pass
NVNT	ac20	5180	Ant1	-36.92	-27	Pass
NVNT	ac20	5200	Ant1	-36.08	-27	Pass
NVNT	ac20	5240	Ant1	-35.6	-27	Pass
NVNT	ac40	5190	Ant1	-34.91	-27	Pass
NVNT	ac40	5230	Ant1	-36.44	-27	Pass
NVNT	ac80	5210	Ant1	-36.59	-27	Pass

Test Graphs

Tx. Spurious NVNT a 5180MHz Ant1 Emission



Tx. Spurious NVNT a 5200MHz Ant1 Emission

