

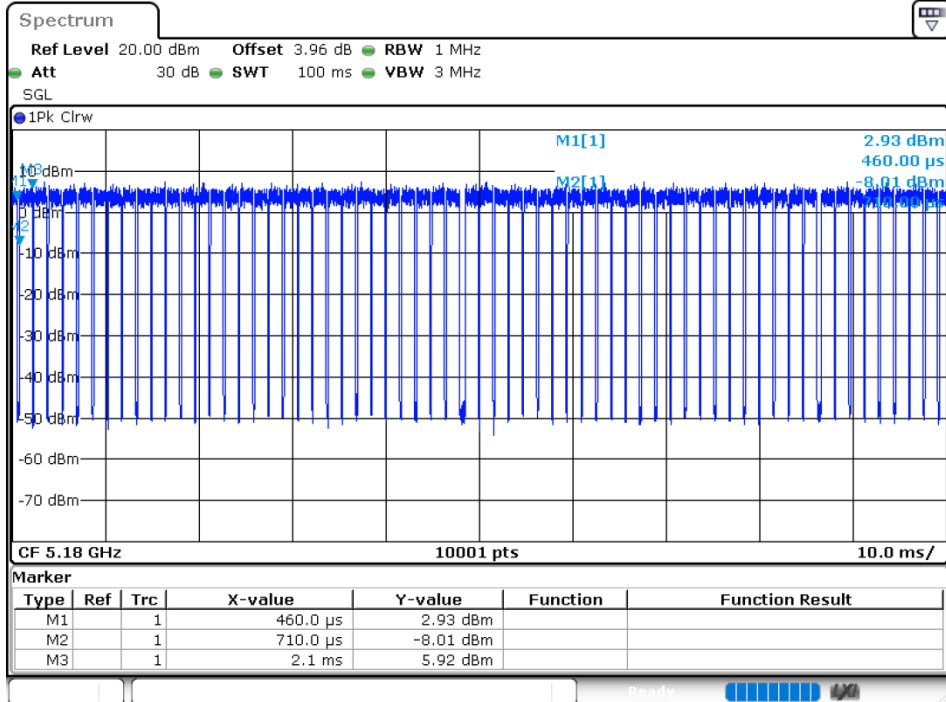
5.2G WIFI

Duty Cycle

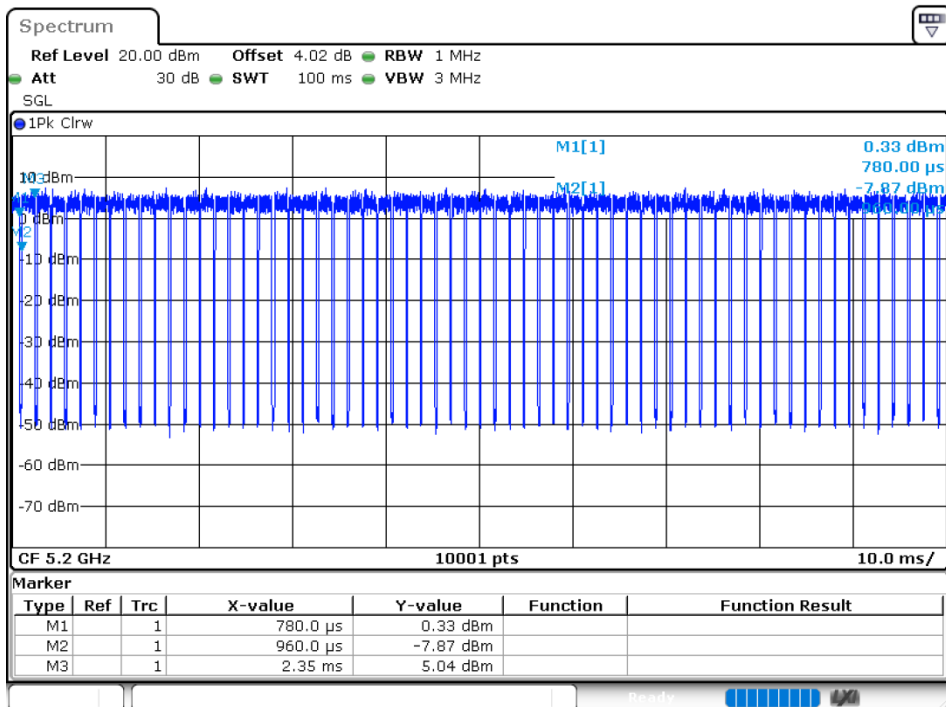
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	88.2	0.55	0.72
NVNT	a	5200	Ant1	88.49	0.53	0.72
NVNT	a	5240	Ant1	88.81	0.52	0.72
NVNT	n20	5180	Ant1	87.09	0.6	0.85
NVNT	n20	5200	Ant1	87.54	0.58	0.85
NVNT	n20	5240	Ant1	87.33	0.59	0.85
NVNT	n40	5190	Ant1	77.15	1.13	1.69
NVNT	n40	5230	Ant1	77.09	1.13	1.69
NVNT	ac20	5180	Ant1	97.4	0.11	0.84
NVNT	ac20	5200	Ant1	87.21	0.59	0.85
NVNT	ac20	5240	Ant1	87.6	0.57	0.85
NVNT	ac40	5190	Ant1	77.07	1.13	1.69
NVNT	ac40	5230	Ant1	77.46	1.11	1.69
NVNT	ac80	5210	Ant1	63.94	1.94	3.45

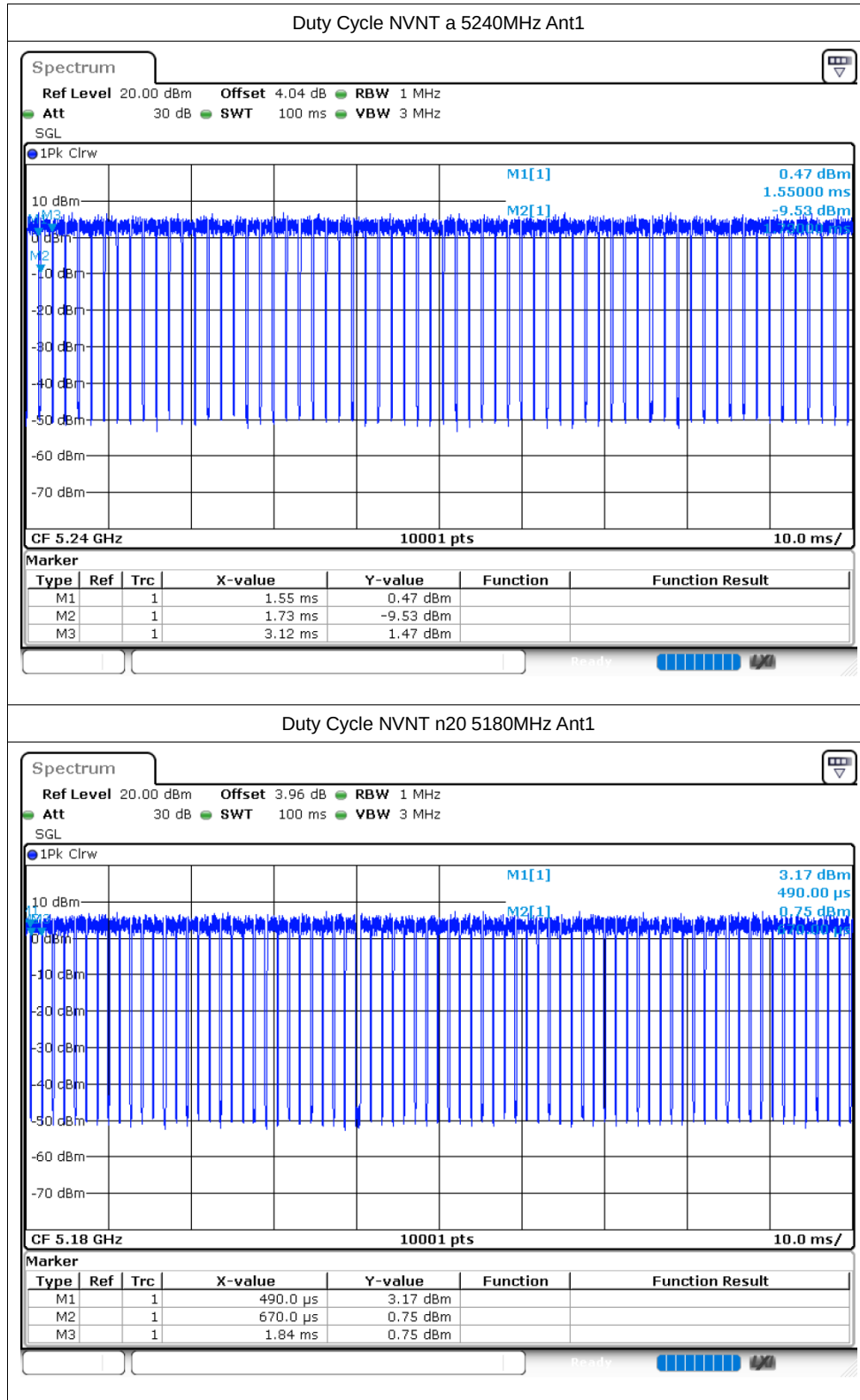
Test Graphs

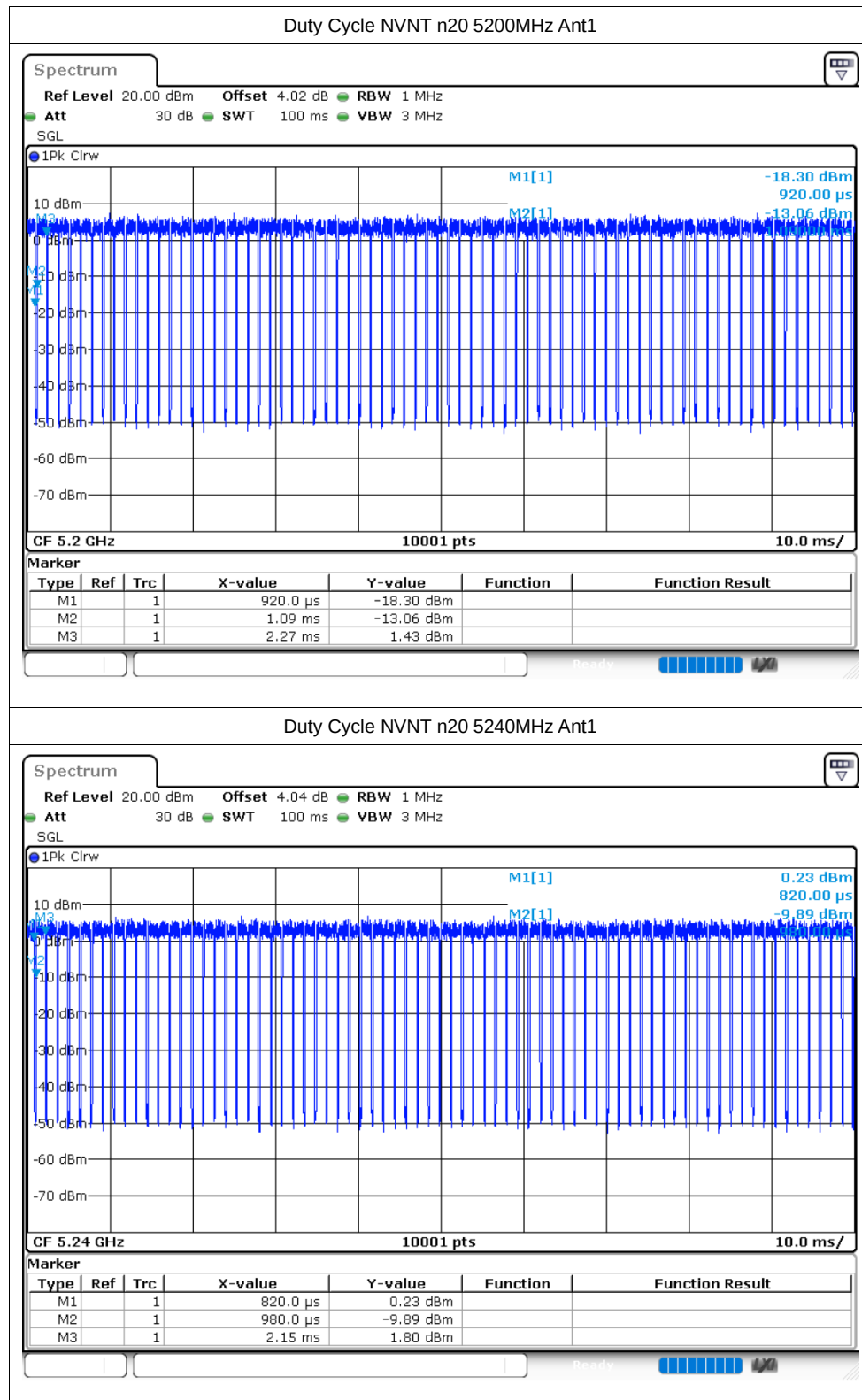
Duty Cycle NVNT a 5180MHz Ant1

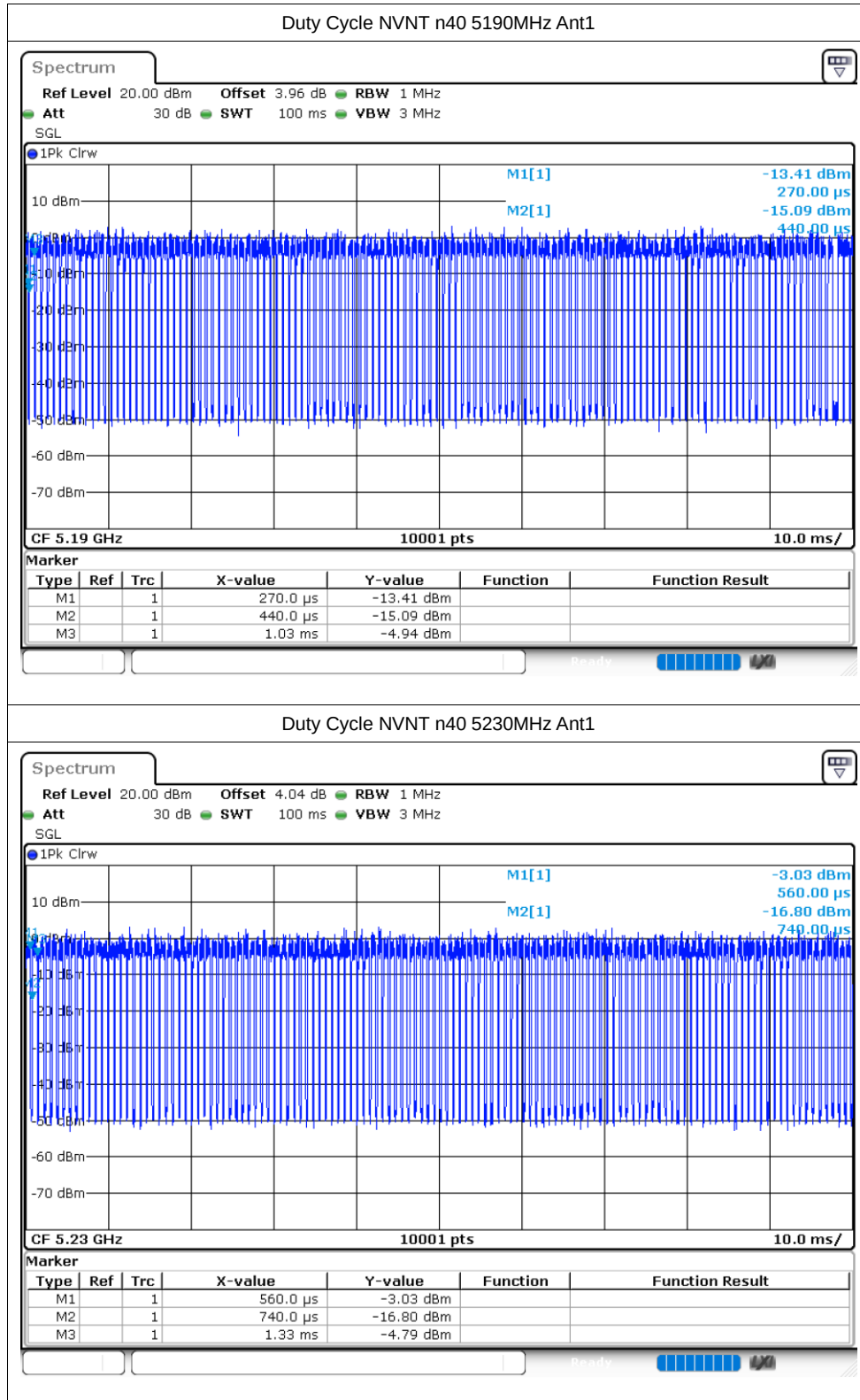


Duty Cycle NVNT a 5200MHz Ant1

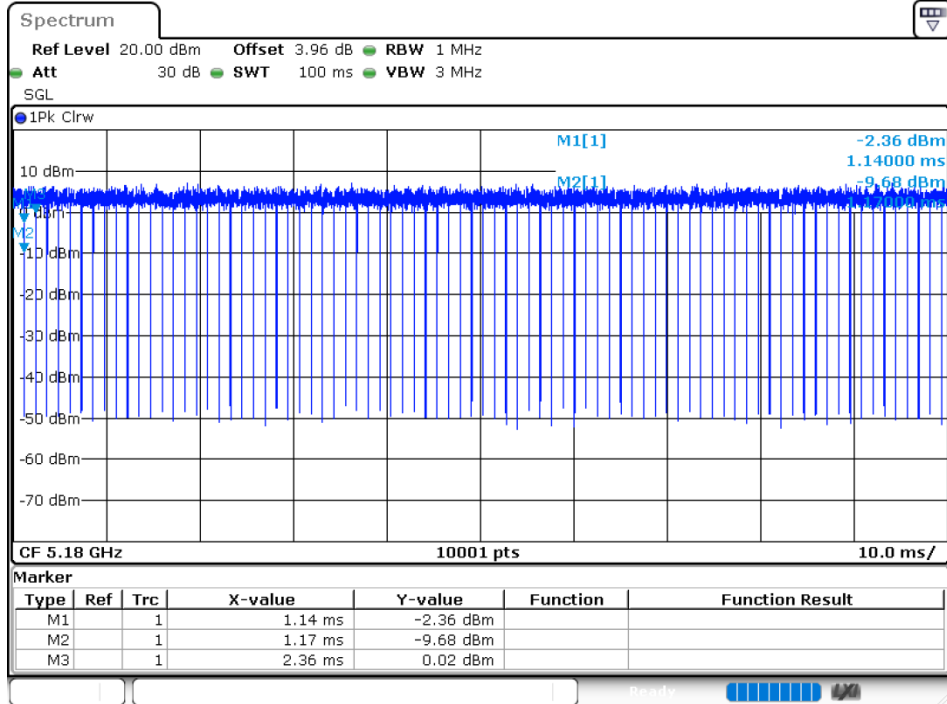




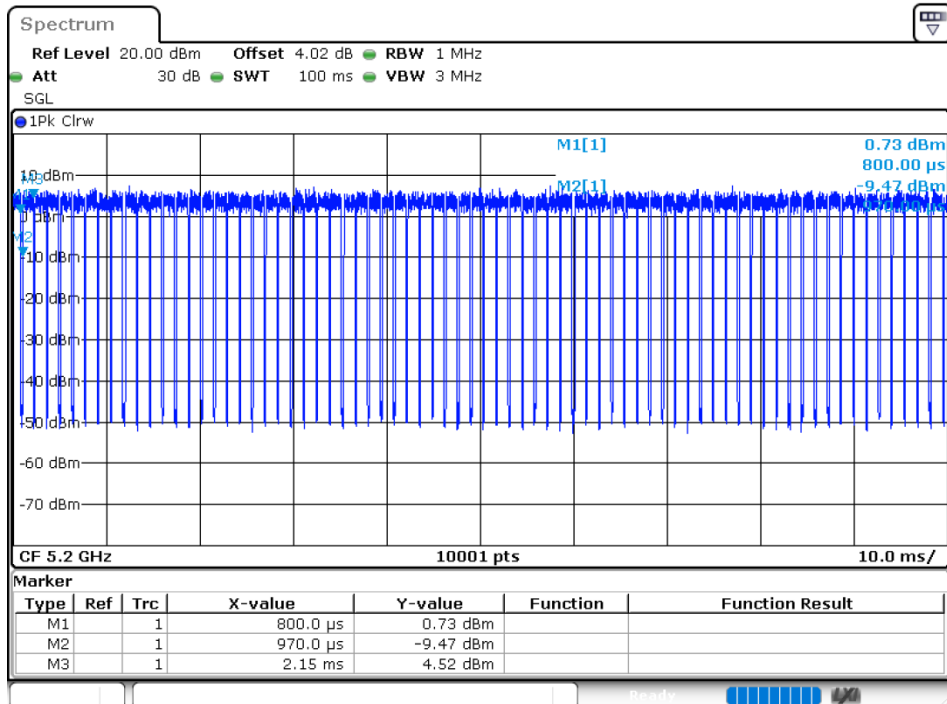


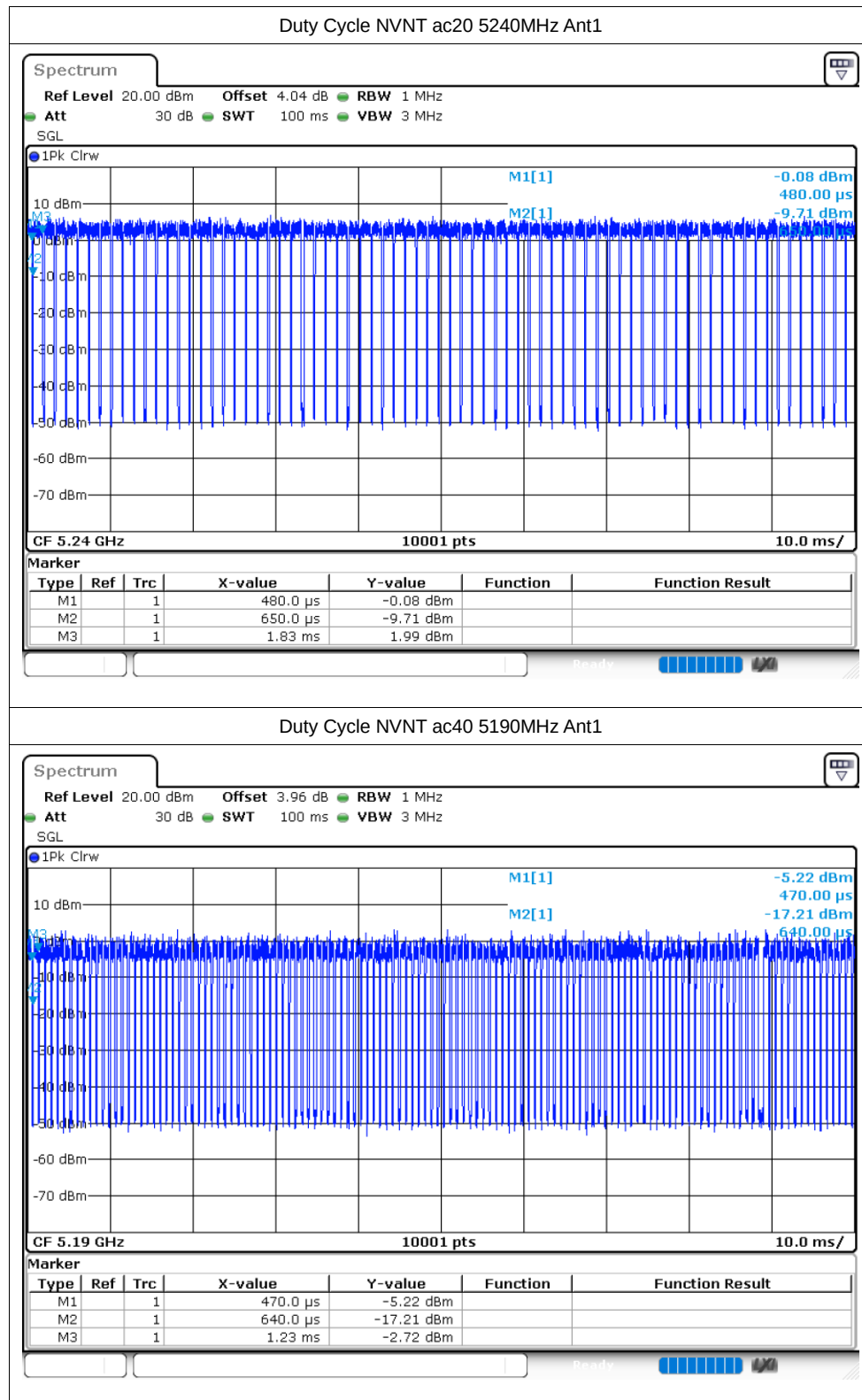


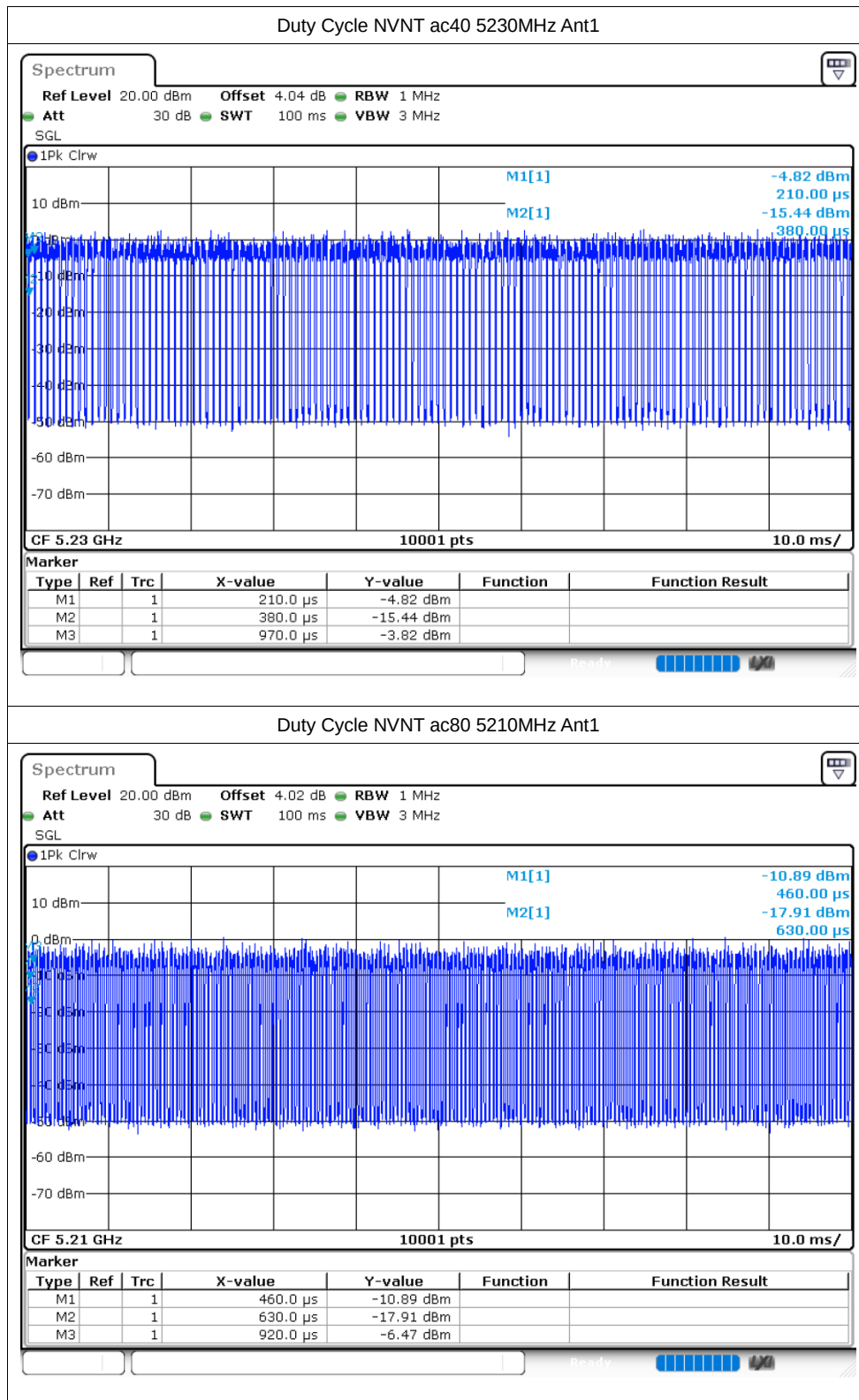
Duty Cycle NVNT ac20 5180MHz Ant1



Duty Cycle NVNT ac20 5200MHz Ant1







Maximum Conducted Output Power

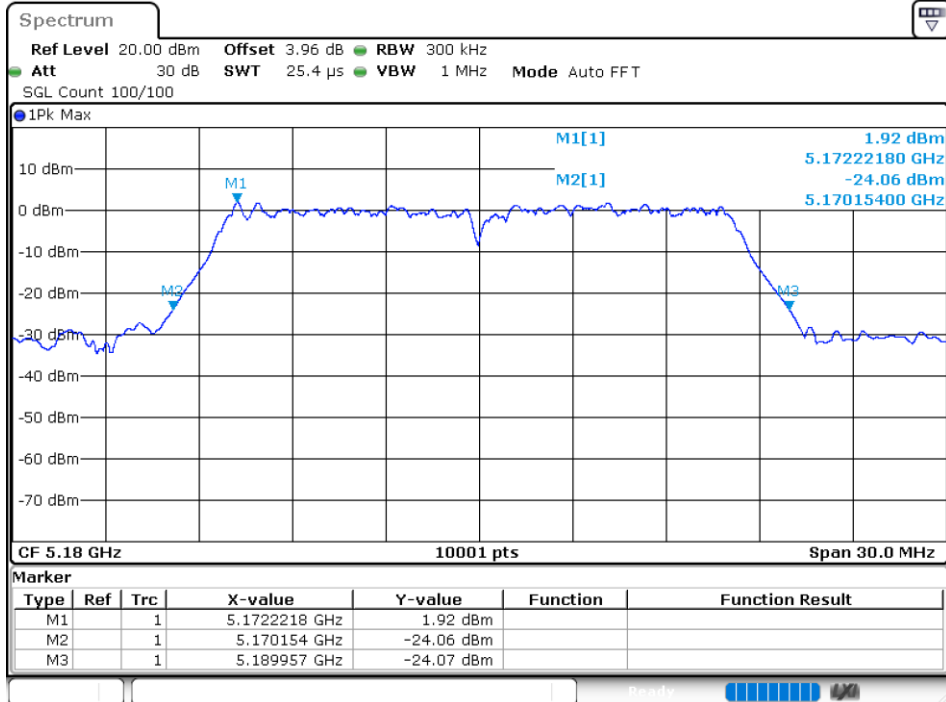
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12	24	Pass
NVNT	a	5200	Ant1	11.97	24	Pass
NVNT	a	5240	Ant1	12.07	24	Pass
NVNT	n20	5180	Ant1	12.04	24	Pass
NVNT	n20	5200	Ant1	11.95	24	Pass
NVNT	n20	5240	Ant1	12.12	24	Pass
NVNT	n40	5190	Ant1	12.44	24	Pass
NVNT	n40	5230	Ant1	12.44	24	Pass
NVNT	ac20	5180	Ant1	11.64	24	Pass
NVNT	ac20	5200	Ant1	11.9	24	Pass
NVNT	ac20	5240	Ant1	12.12	24	Pass
NVNT	ac40	5190	Ant1	12.4	24	Pass
NVNT	ac40	5230	Ant1	12.48	24	Pass
NVNT	ac80	5210	Ant1	12.59	24	Pass

-26dB Bandwidth

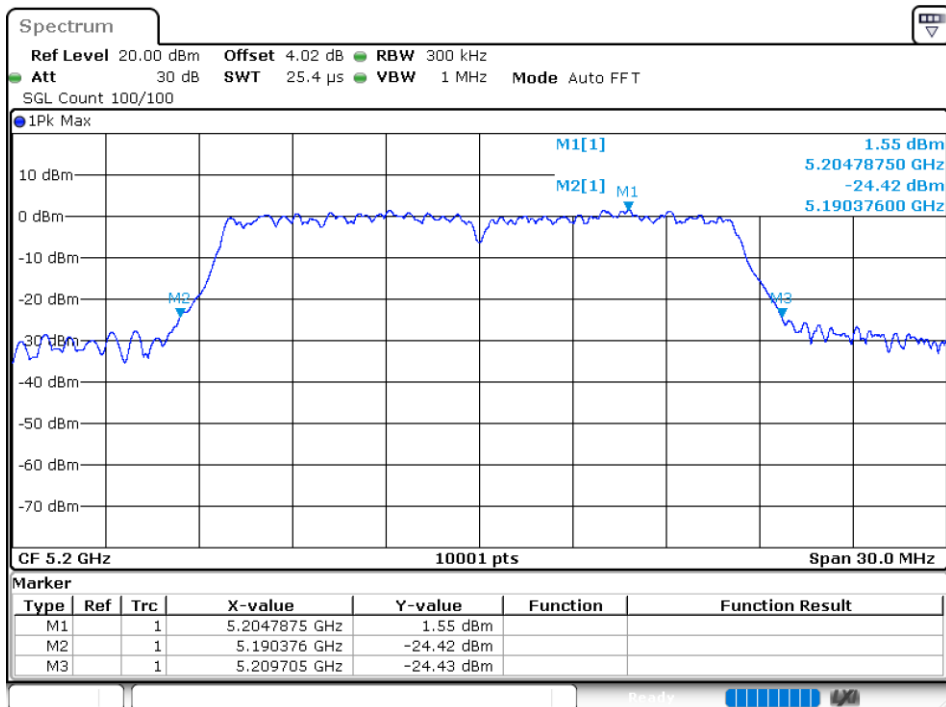
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.803	Pass
NVNT	a	5200	Ant1	19.329	Pass
NVNT	a	5240	Ant1	22.956	Pass
NVNT	n20	5180	Ant1	20.382	Pass
NVNT	n20	5200	Ant1	19.938	Pass
NVNT	n20	5240	Ant1	22.557	Pass
NVNT	n40	5190	Ant1	42.678	Pass
NVNT	n40	5230	Ant1	59.49	Pass
NVNT	ac20	5180	Ant1	23.325	Pass
NVNT	ac20	5200	Ant1	20.16	Pass
NVNT	ac20	5240	Ant1	20.253	Pass
NVNT	ac40	5190	Ant1	42.498	Pass
NVNT	ac40	5230	Ant1	39.858	Pass
NVNT	ac80	5210	Ant1	78.384	Pass

Test Graphs

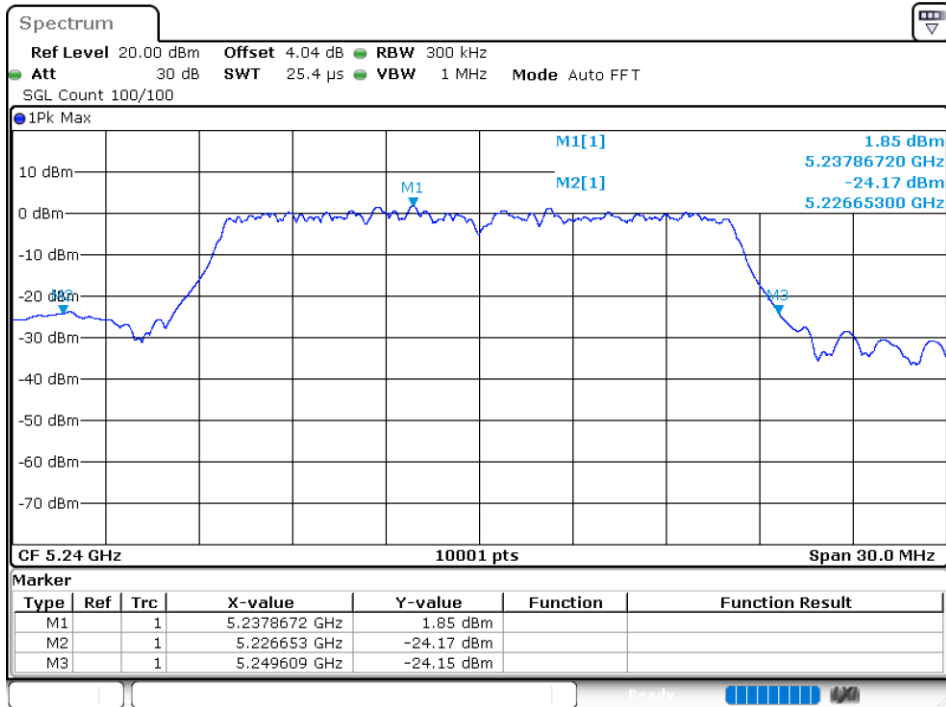
-26dB Bandwidth NVNT a 5180MHz Ant1



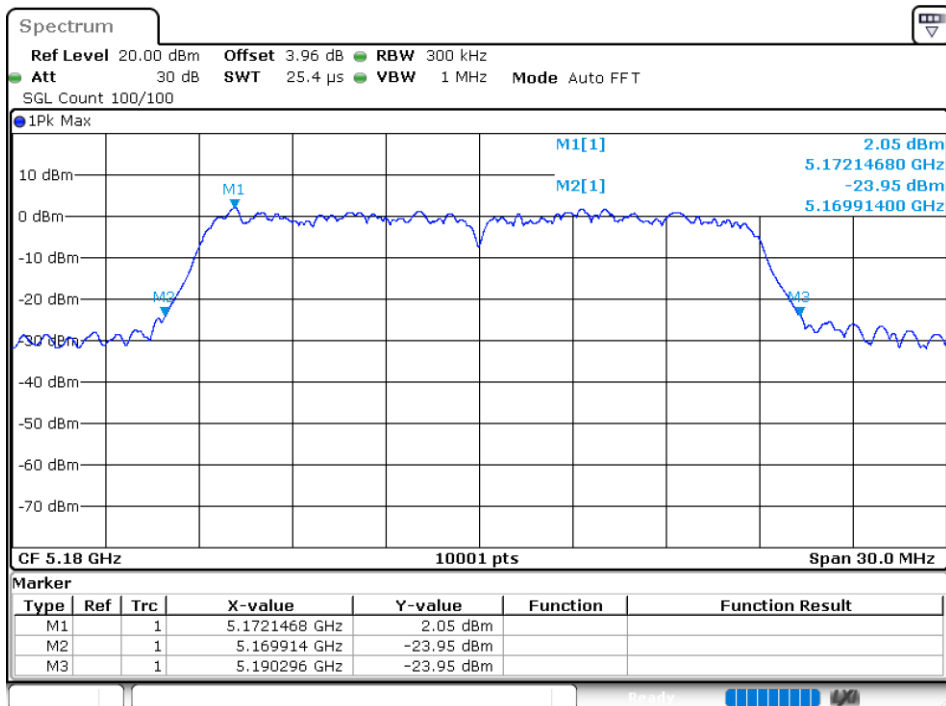
-26dB Bandwidth NVNT a 5200MHz Ant1

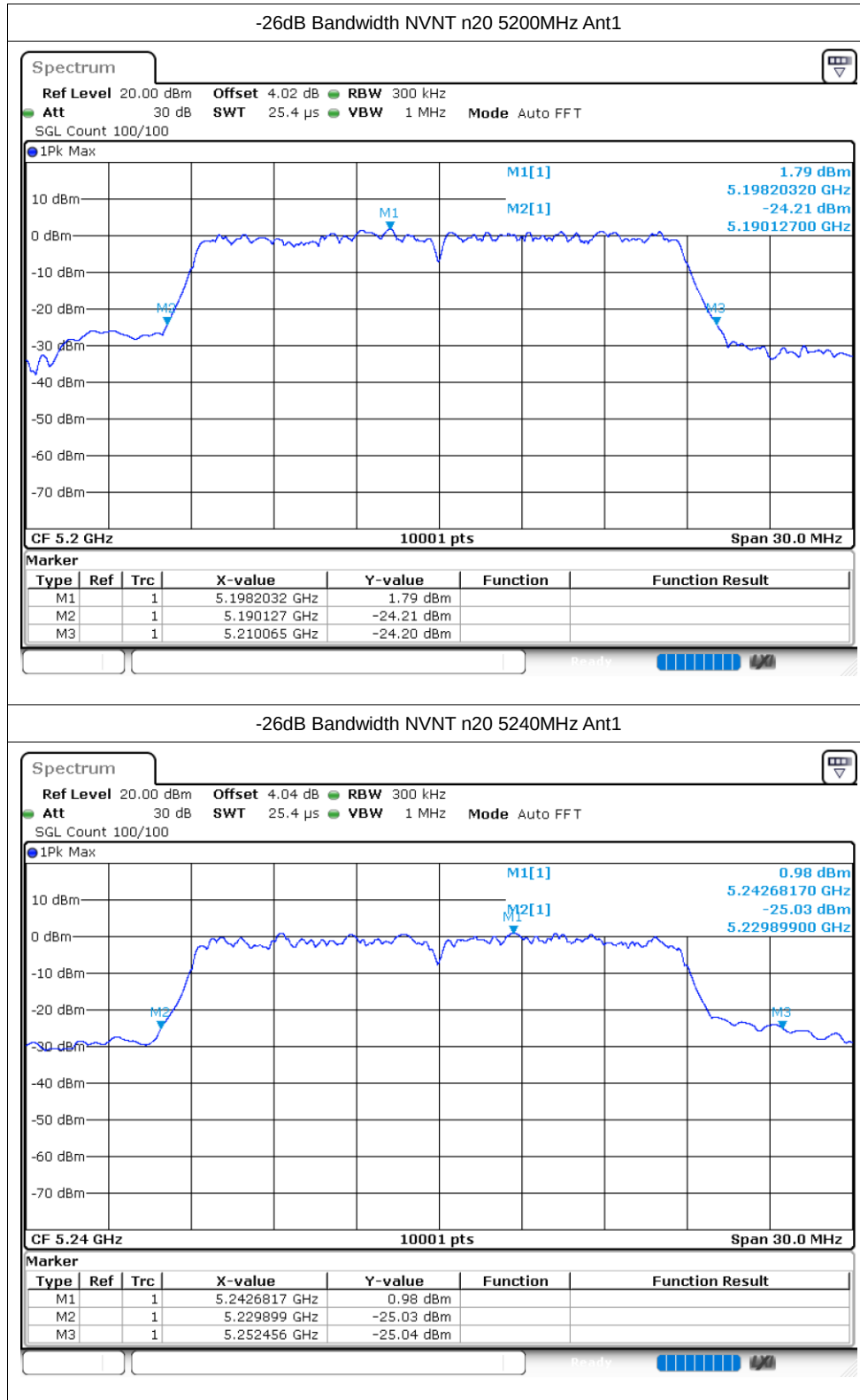


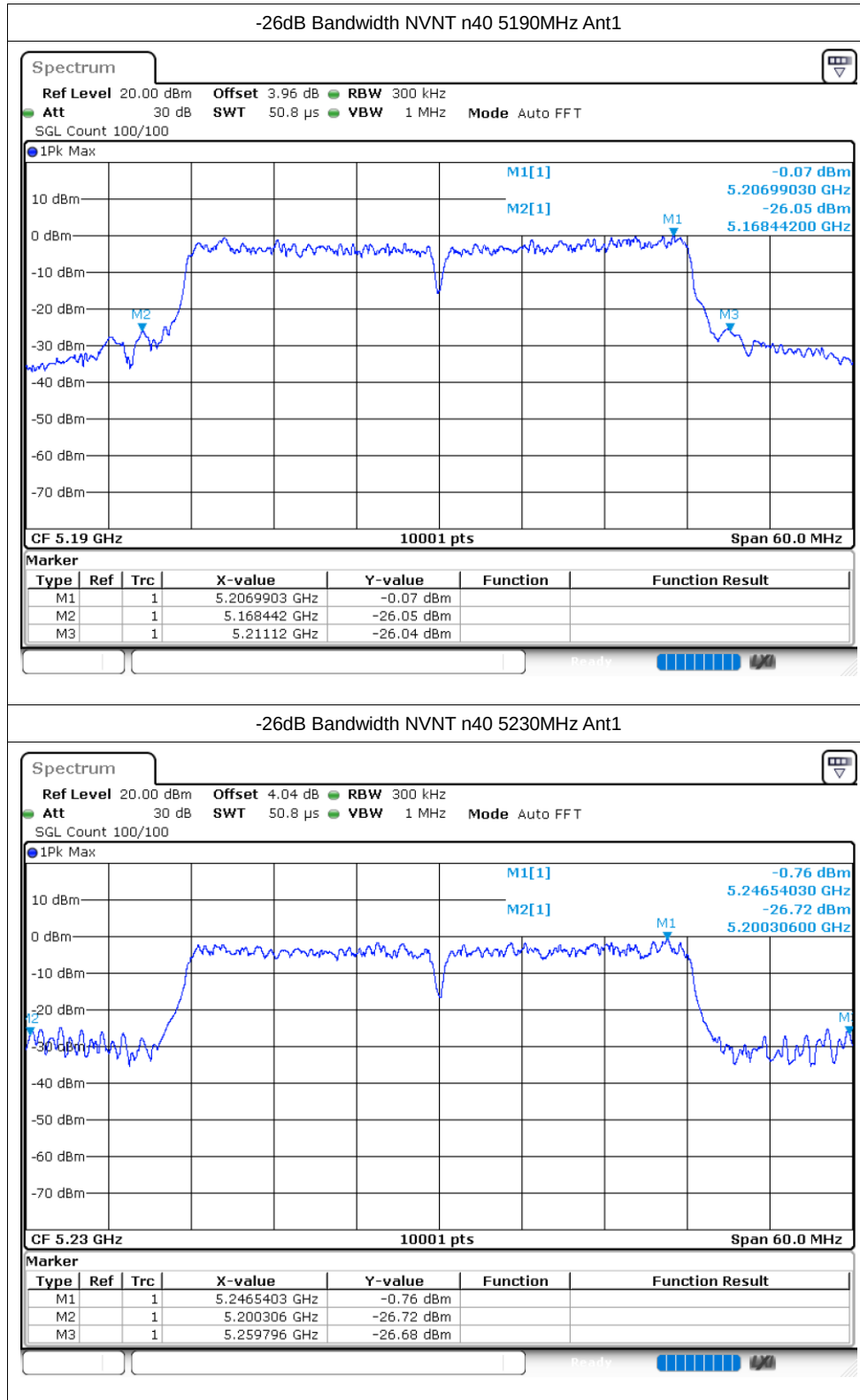
-26dB Bandwidth NVNT a 5240MHz Ant1

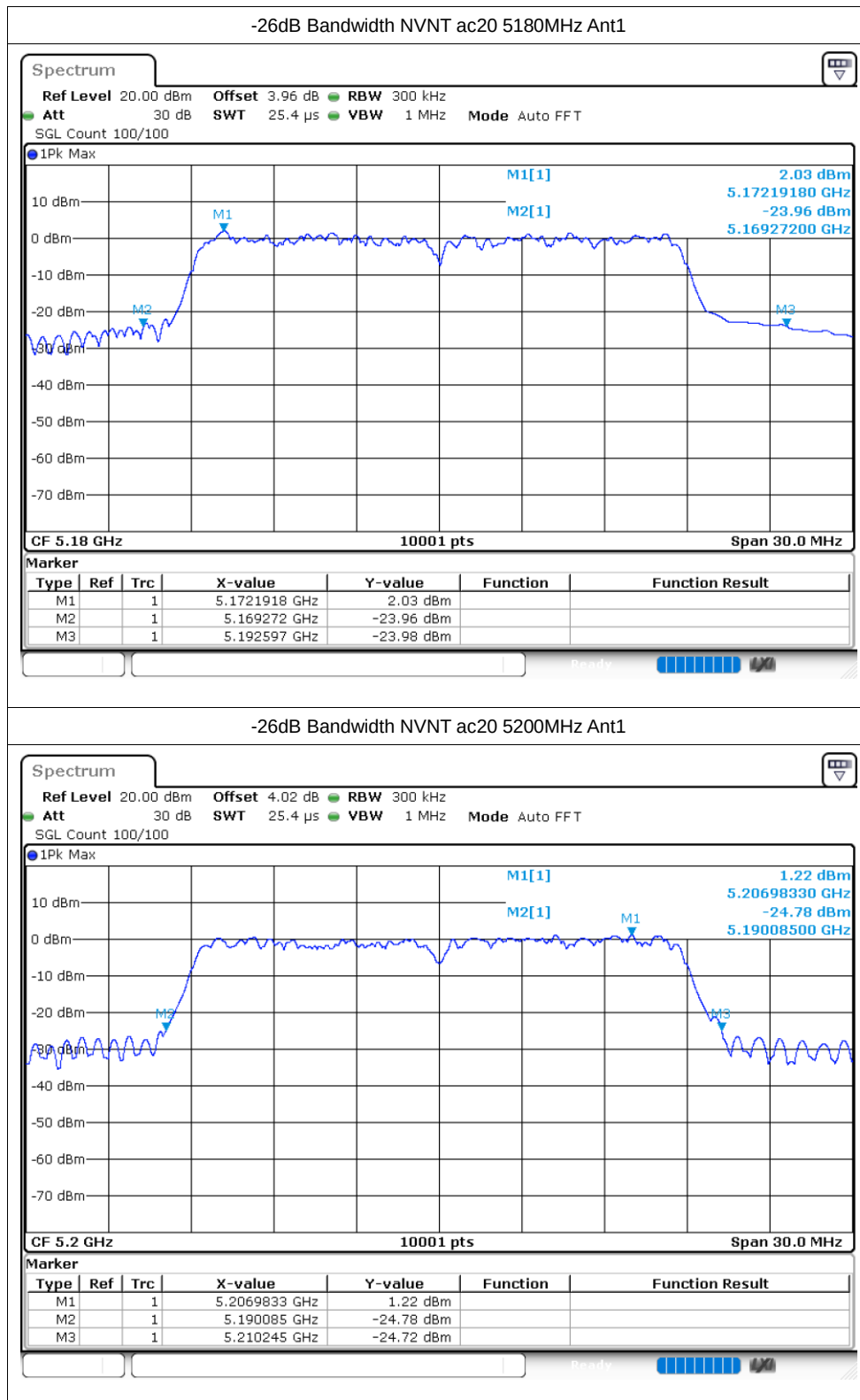


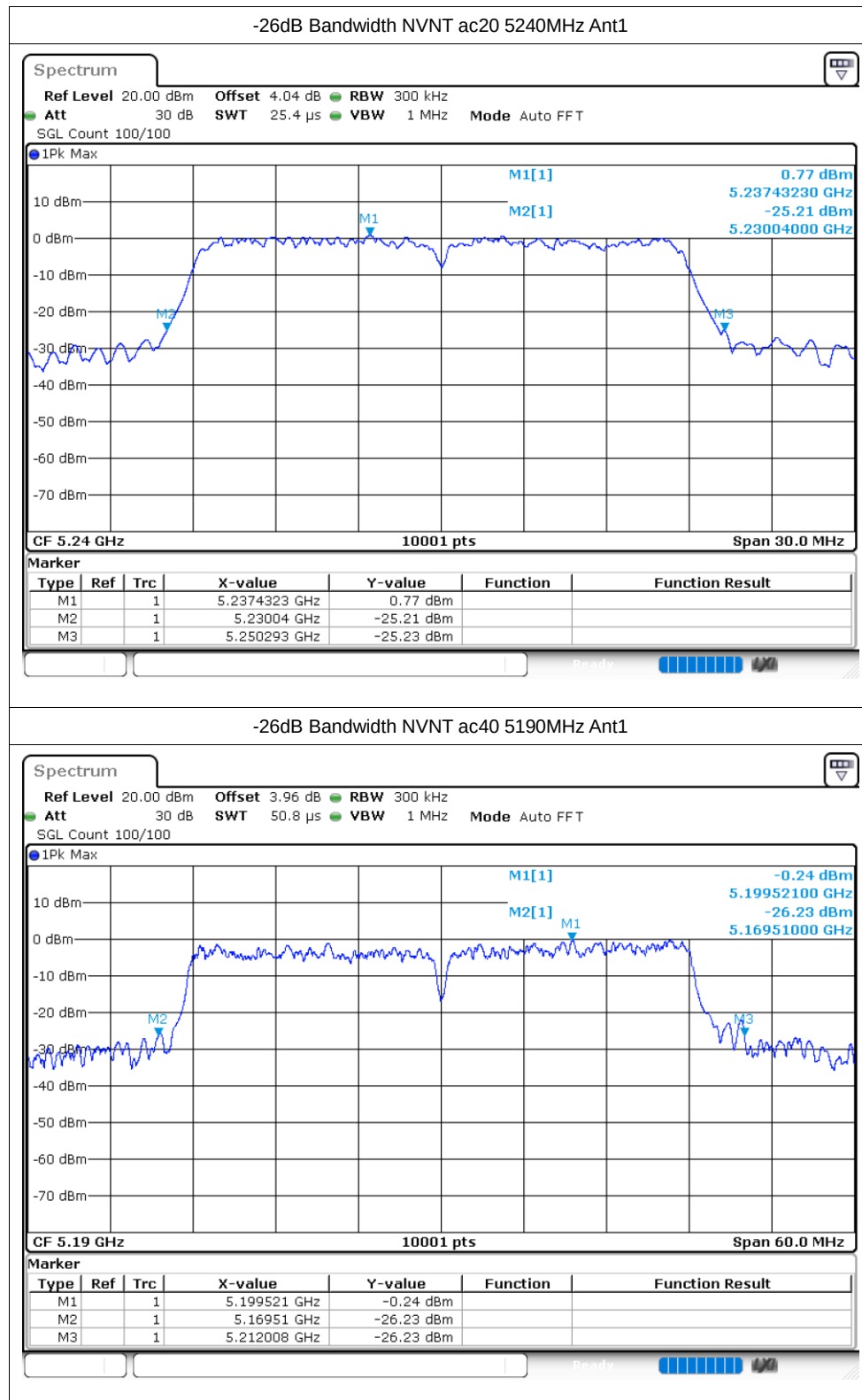
-26dB Bandwidth NVNT n20 5180MHz Ant1



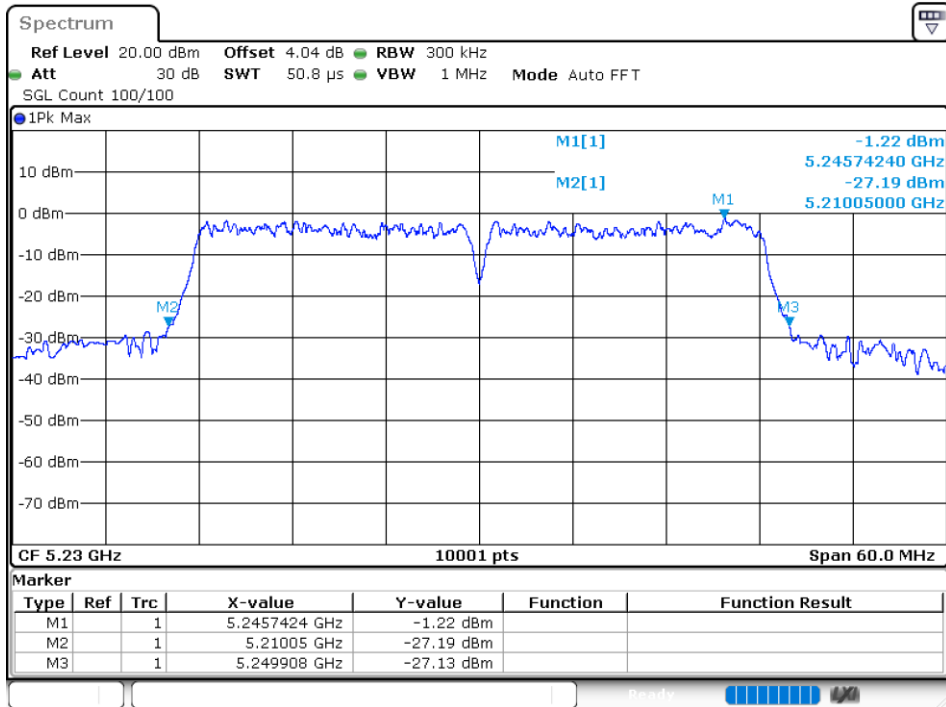




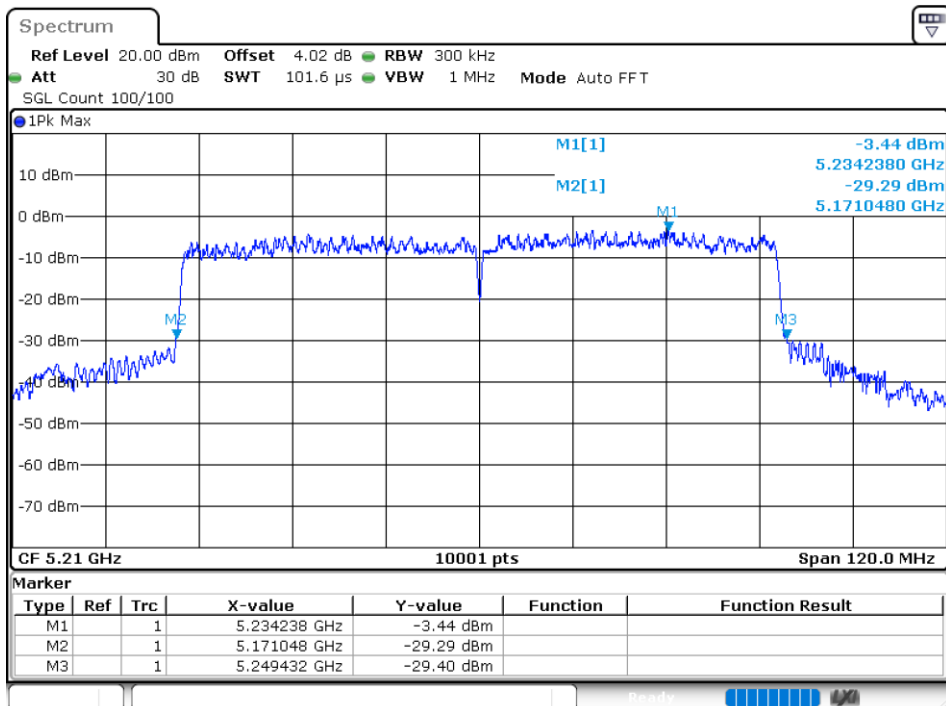




-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1

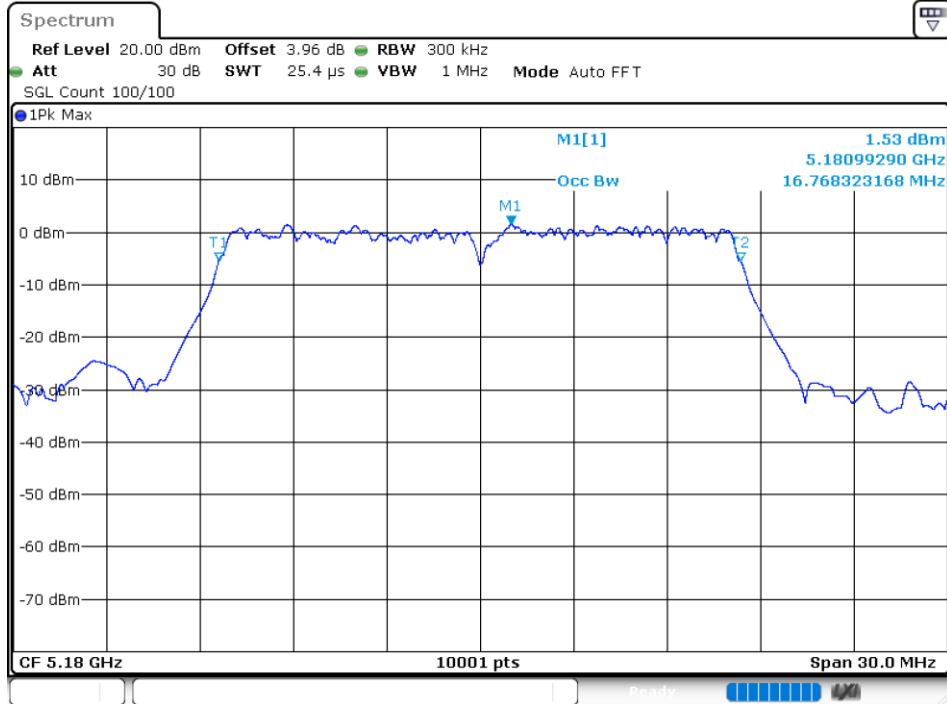


Occupied Channel Bandwidth

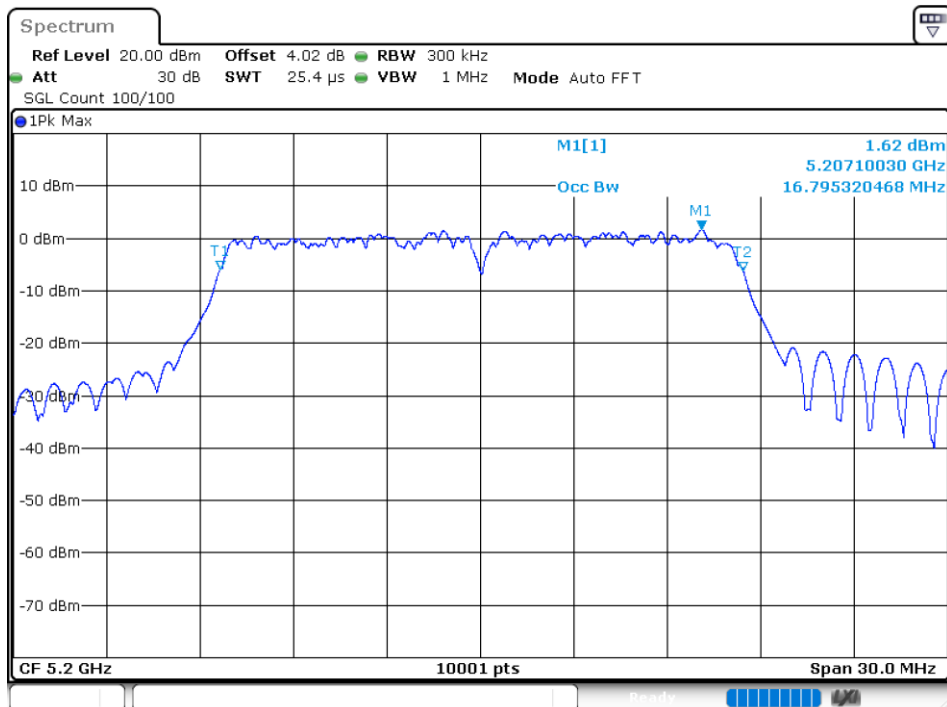
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.768
NVNT	a	5200	Ant1	16.795
NVNT	a	5240	Ant1	16.687
NVNT	n20	5180	Ant1	17.599
NVNT	n20	5200	Ant1	17.608
NVNT	n20	5240	Ant1	17.587
NVNT	n40	5190	Ant1	36.218
NVNT	n40	5230	Ant1	36.248
NVNT	ac20	5180	Ant1	17.692
NVNT	ac20	5200	Ant1	17.875
NVNT	ac20	5240	Ant1	17.728
NVNT	ac40	5190	Ant1	36.29
NVNT	ac40	5230	Ant1	36.272
NVNT	ac80	5210	Ant1	75.4

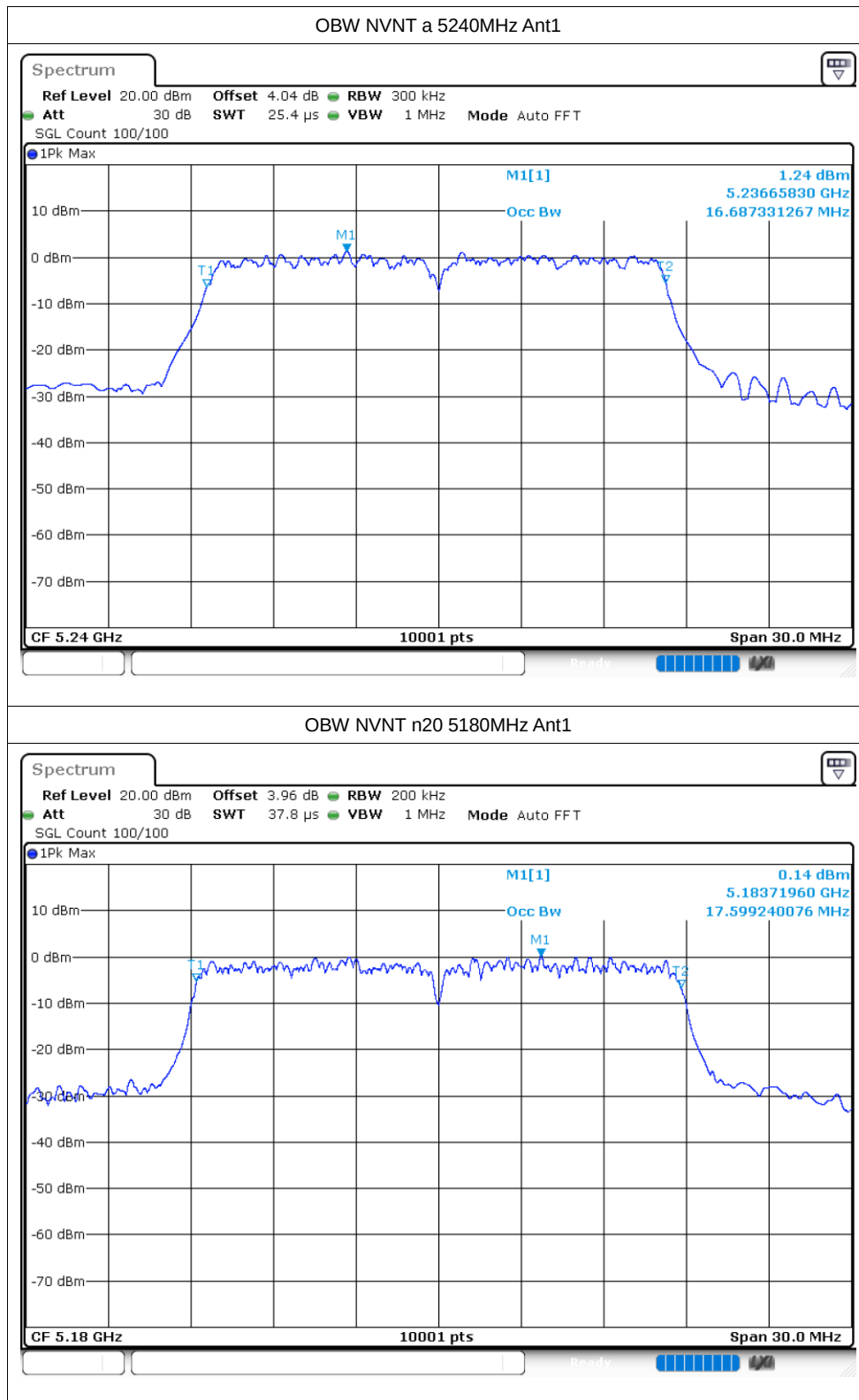
Test Graphs

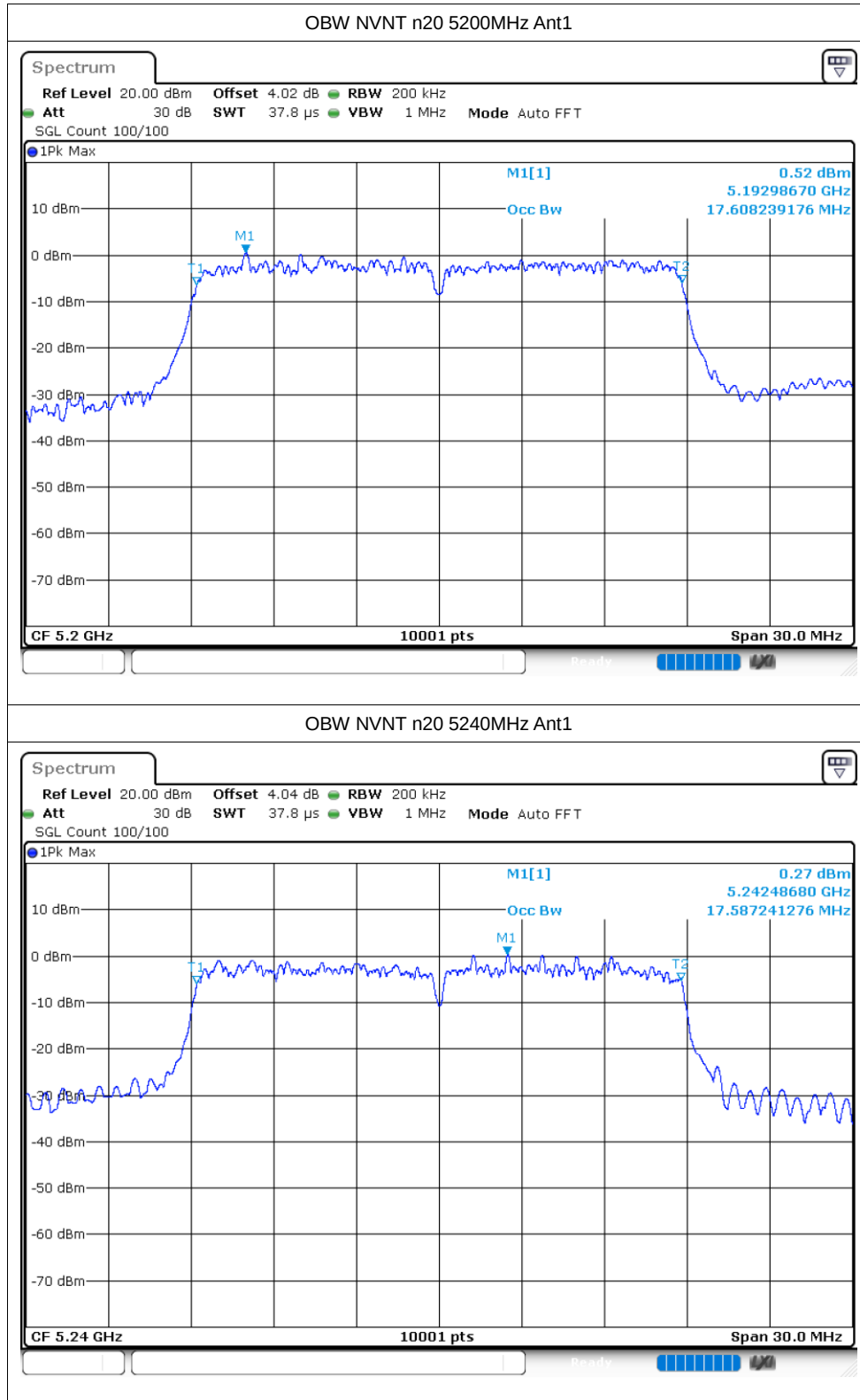
OBW NVNT a 5180MHz Ant1

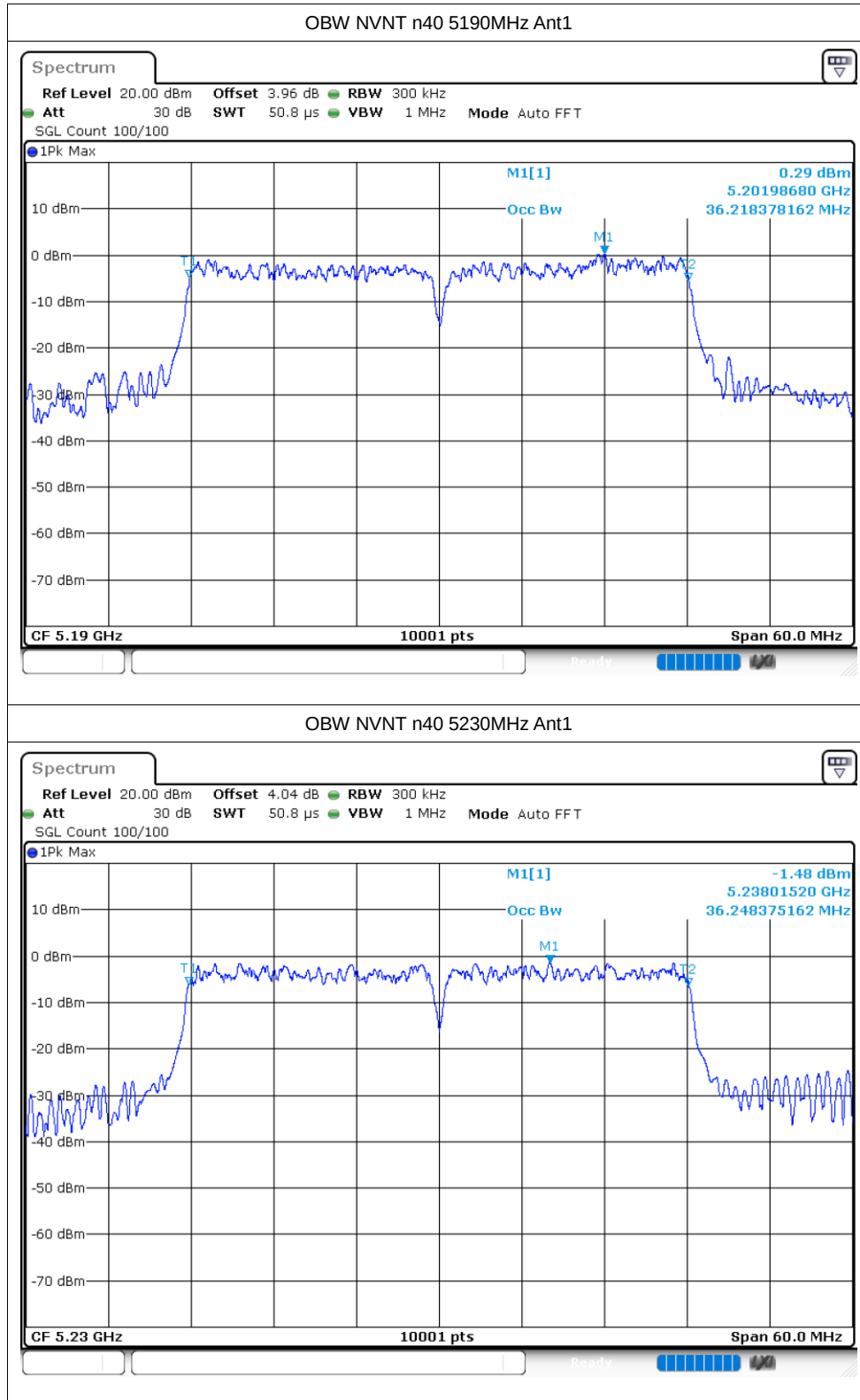


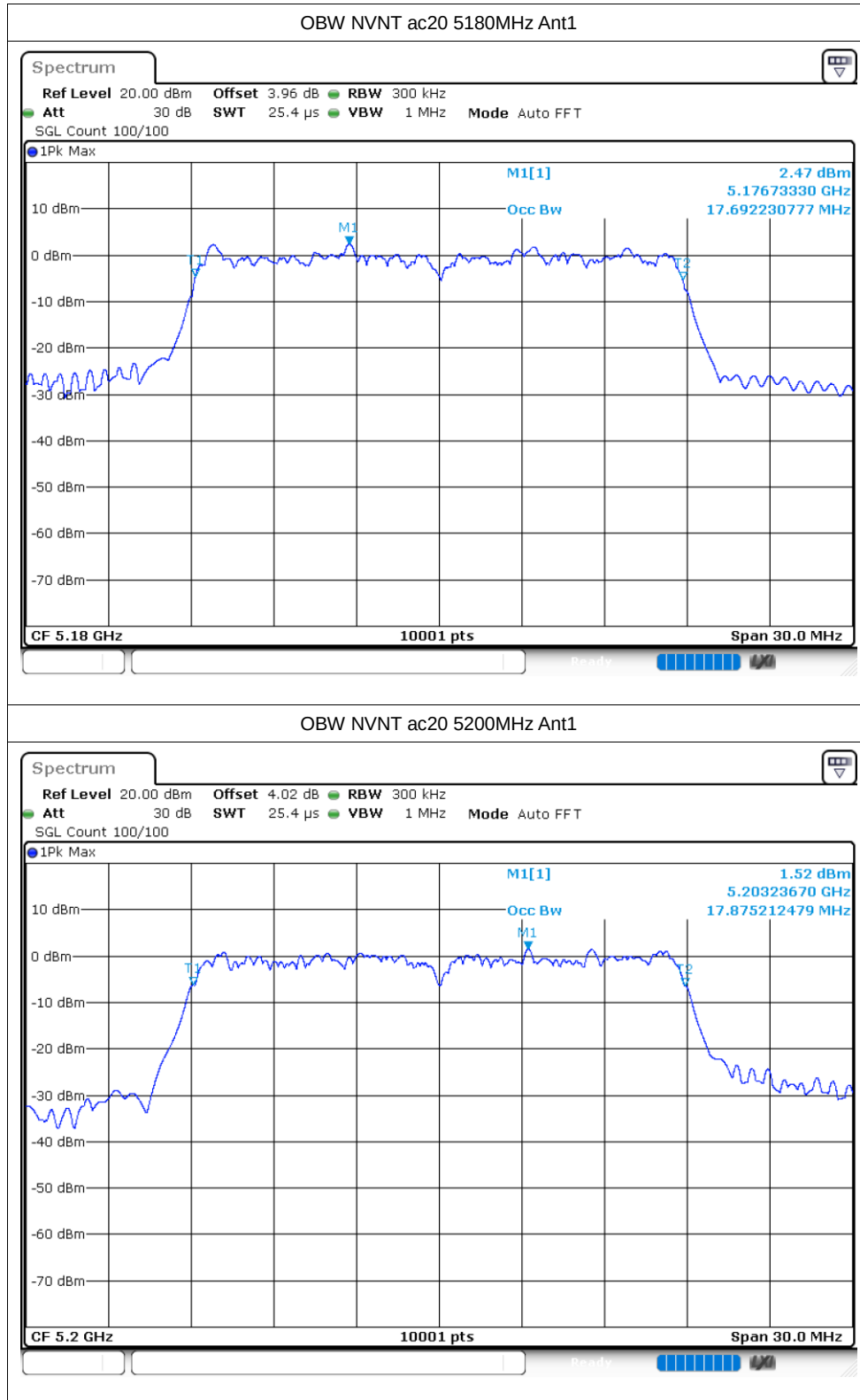
OBW NVNT a 5200MHz Ant1

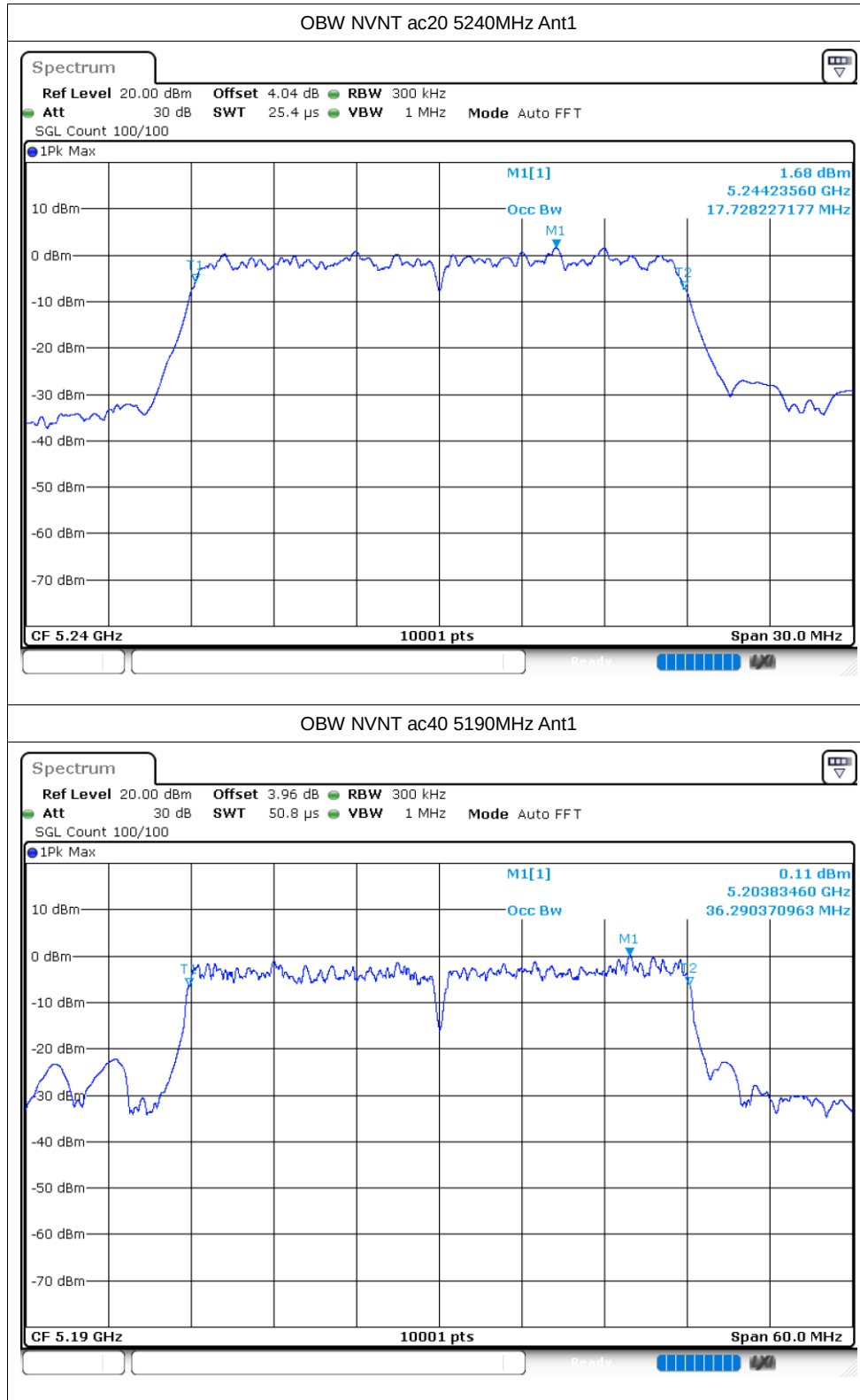


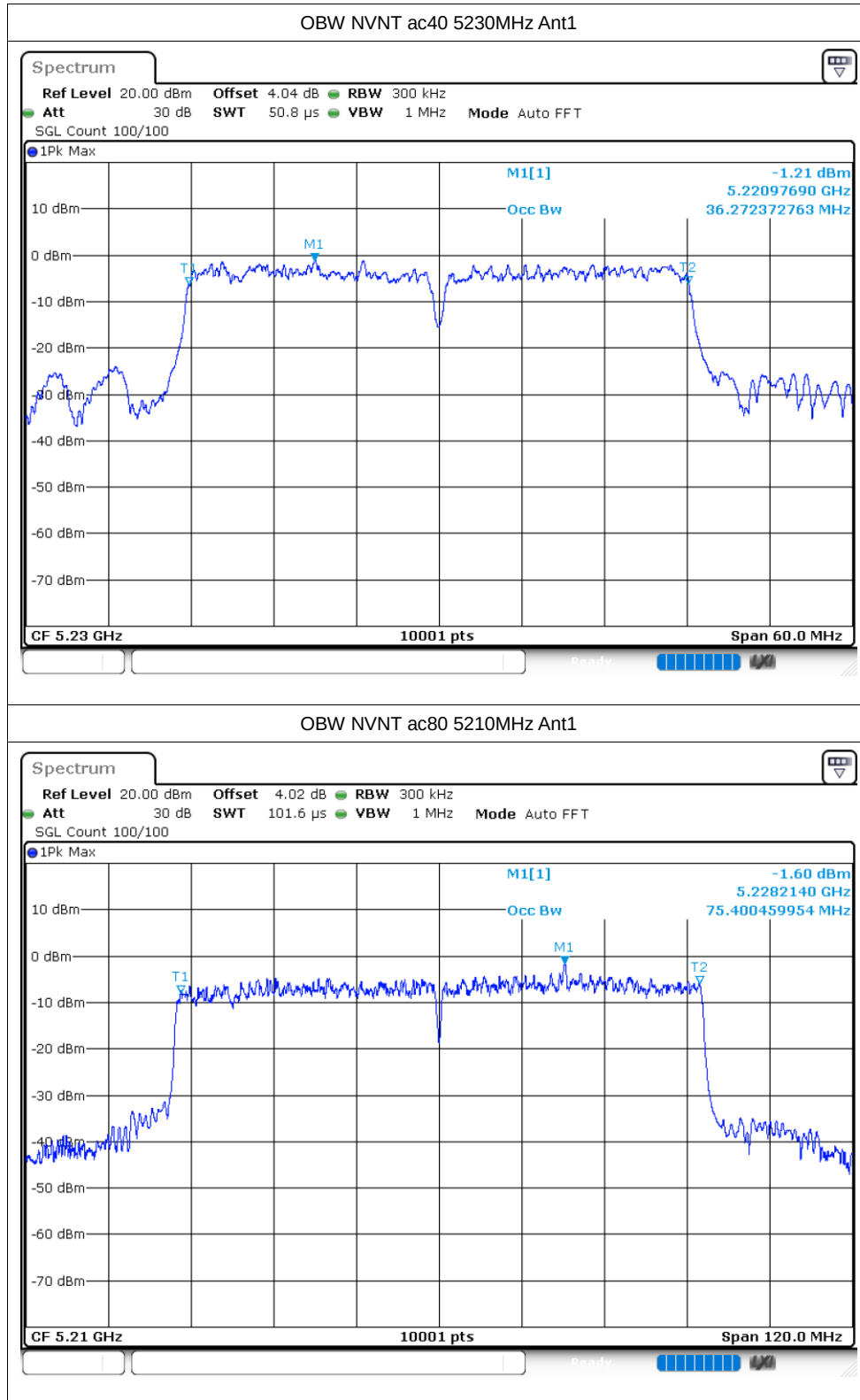










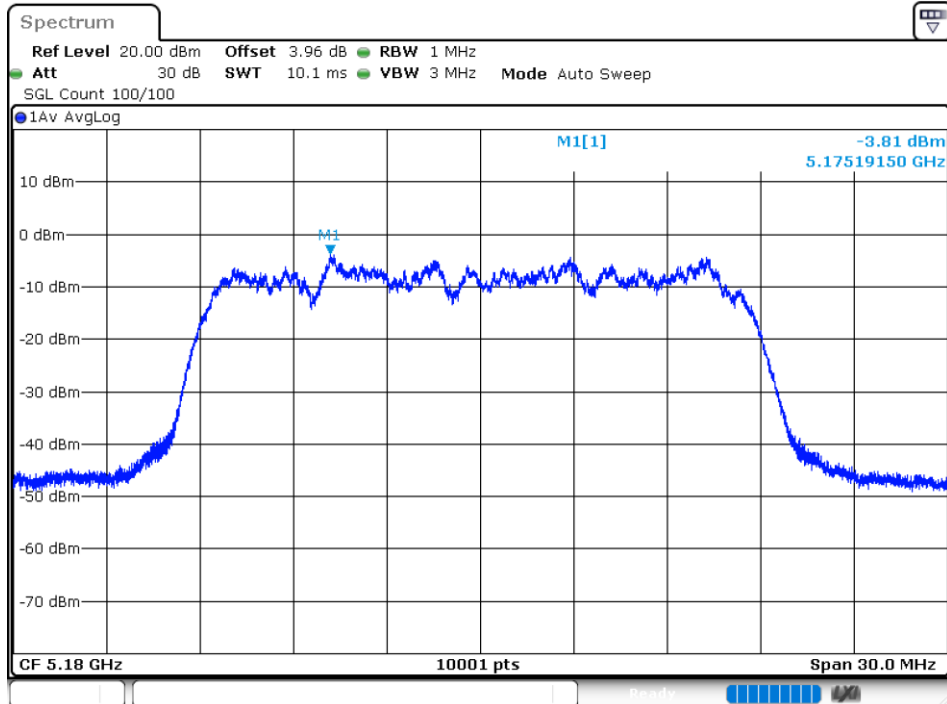


Maximum Power Spectral Density Level

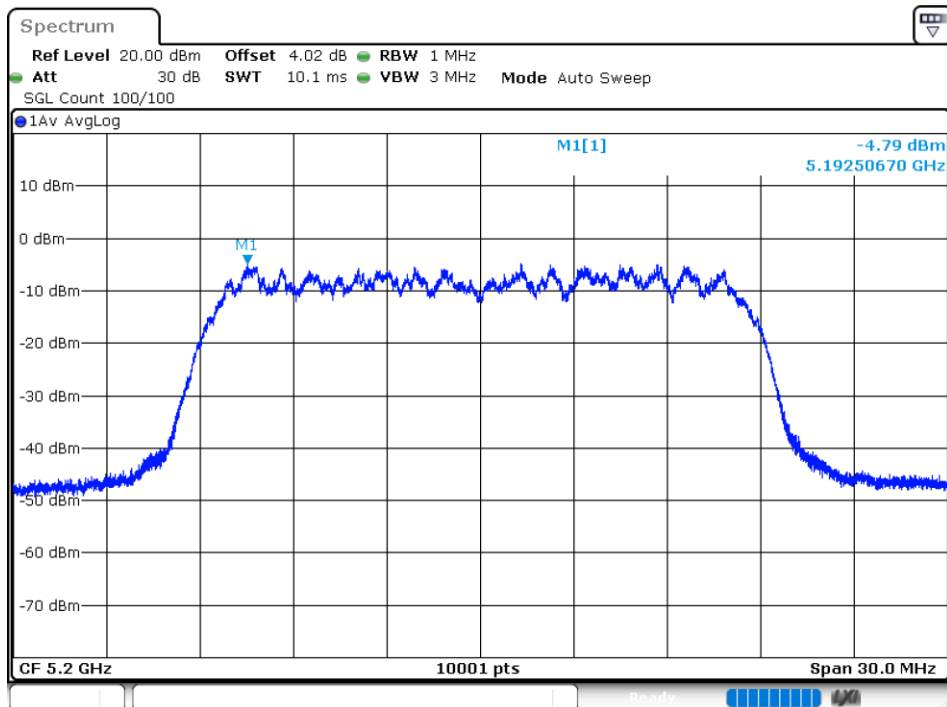
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-3.81	0.55	-3.26	11	Pass
NVNT	a	5200	Ant1	-4.79	0.53	-4.26	11	Pass
NVNT	a	5240	Ant1	-5.55	0.52	-5.03	11	Pass
NVNT	n20	5180	Ant1	-4.87	0.6	-4.27	11	Pass
NVNT	n20	5200	Ant1	-4.7	0.58	-4.12	11	Pass
NVNT	n20	5240	Ant1	-4.82	0.59	-4.23	11	Pass
NVNT	n40	5190	Ant1	-12.36	1.13	-11.23	11	Pass
NVNT	n40	5230	Ant1	-9.54	1.13	-8.41	11	Pass
NVNT	ac20	5180	Ant1	-1.12	0.11	-1.01	11	Pass
NVNT	ac20	5200	Ant1	-5.87	0.59	-5.28	11	Pass
NVNT	ac20	5240	Ant1	-5.42	0.57	-4.85	11	Pass
NVNT	ac40	5190	Ant1	-12.14	1.13	-11.01	11	Pass
NVNT	ac40	5230	Ant1	-12.8	1.11	-11.69	11	Pass
NVNT	ac80	5210	Ant1	-14.64	1.94	-12.7	11	Pass

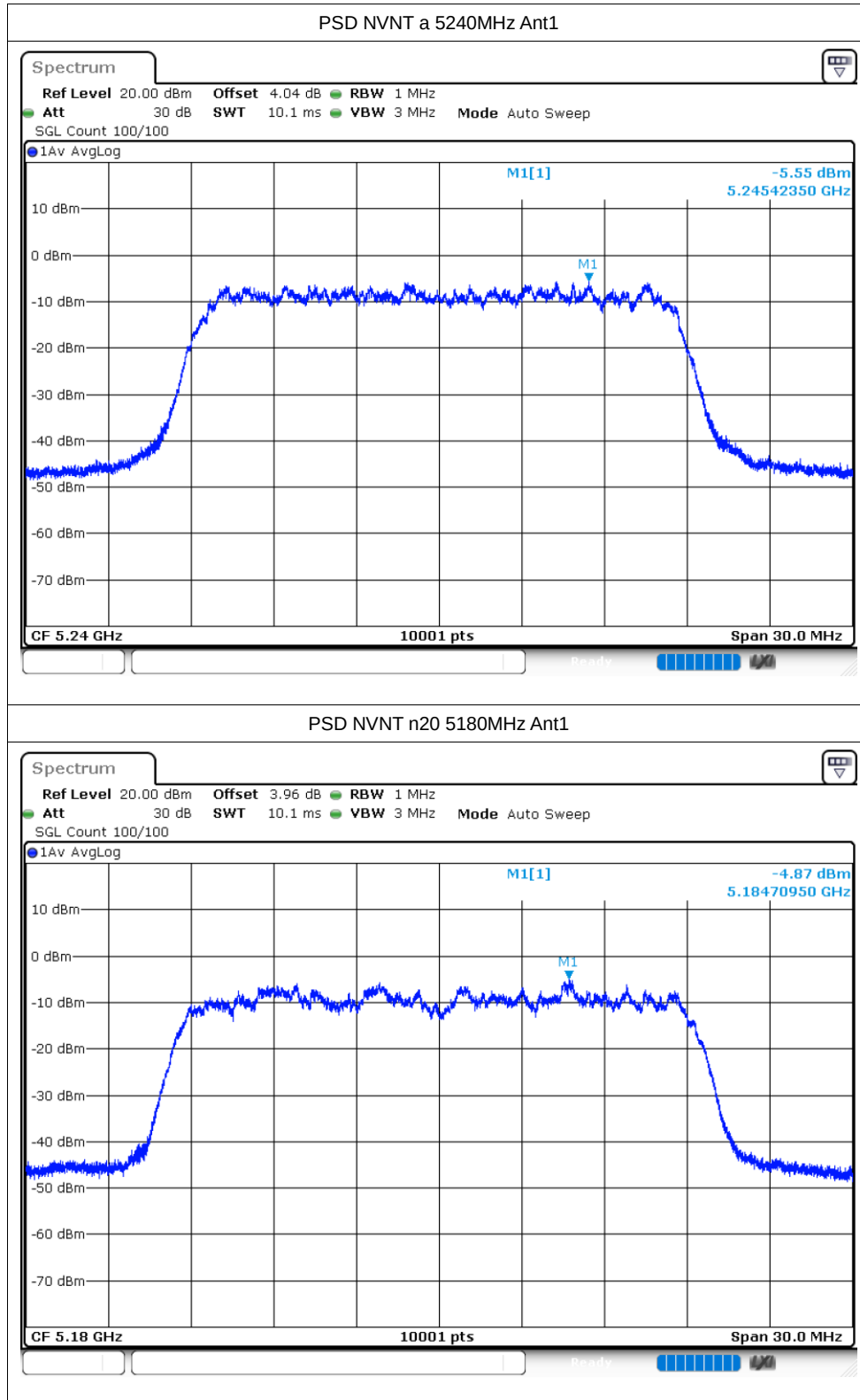
Test Graphs

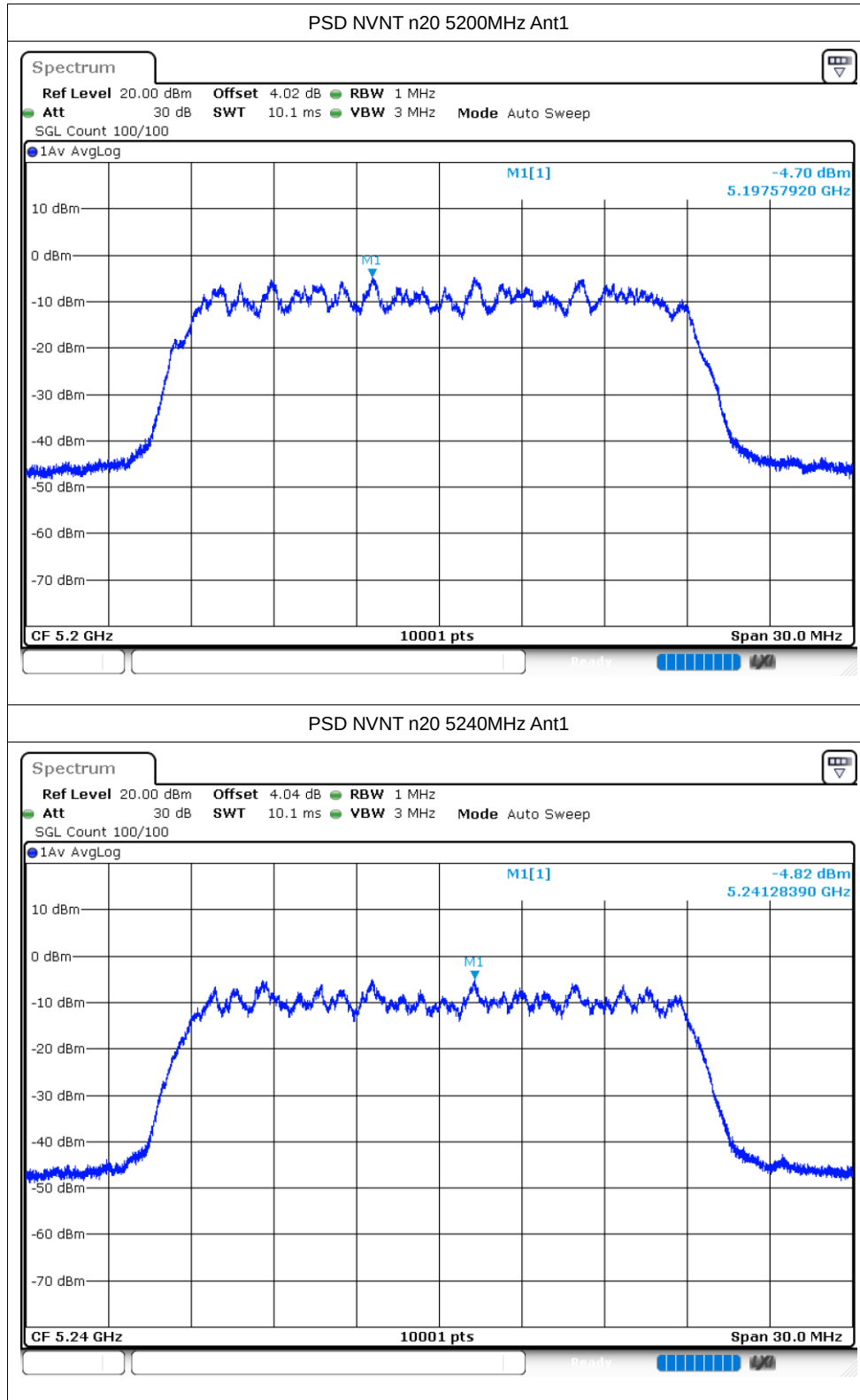
PSD NVNT a 5180MHz Ant1

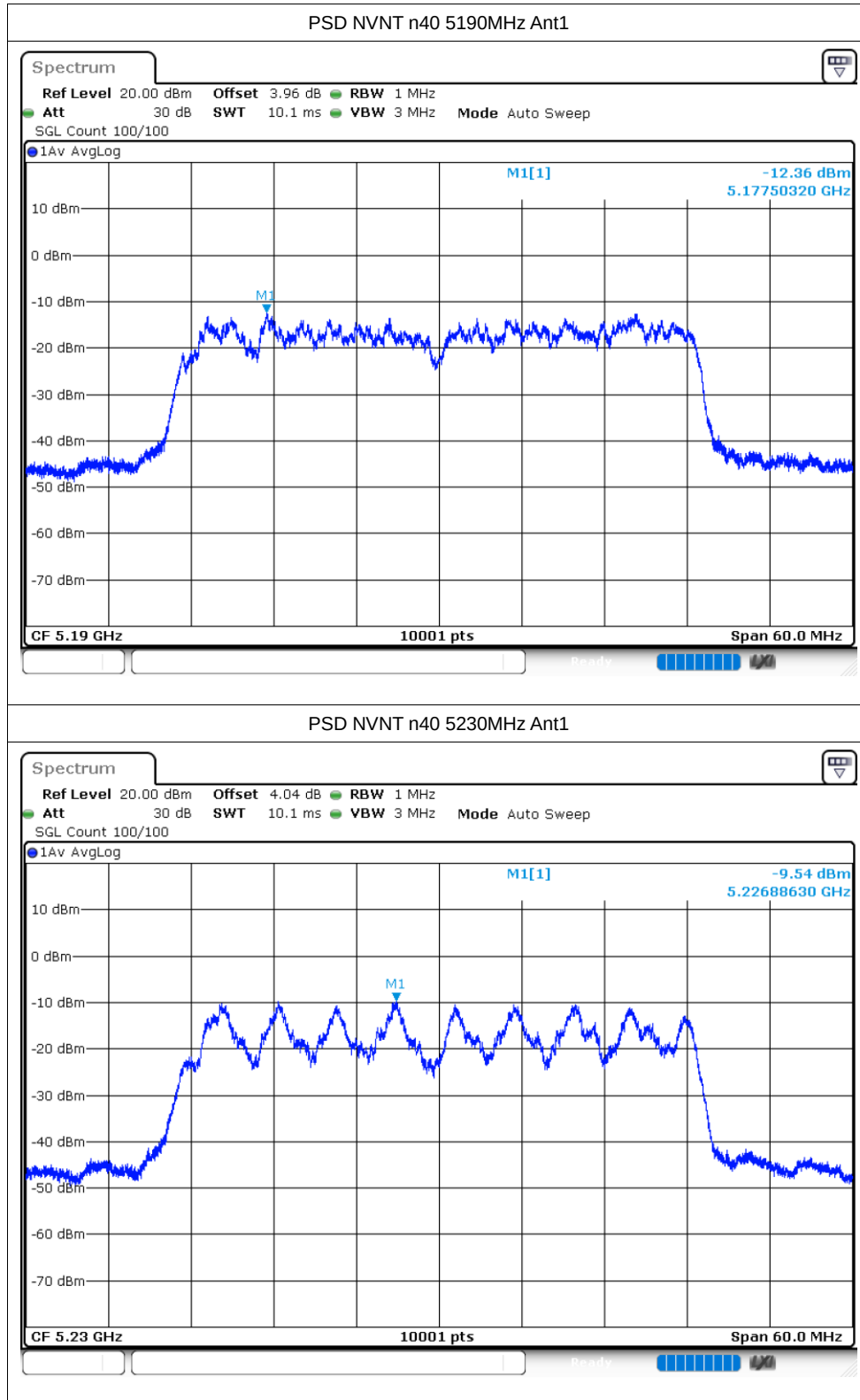


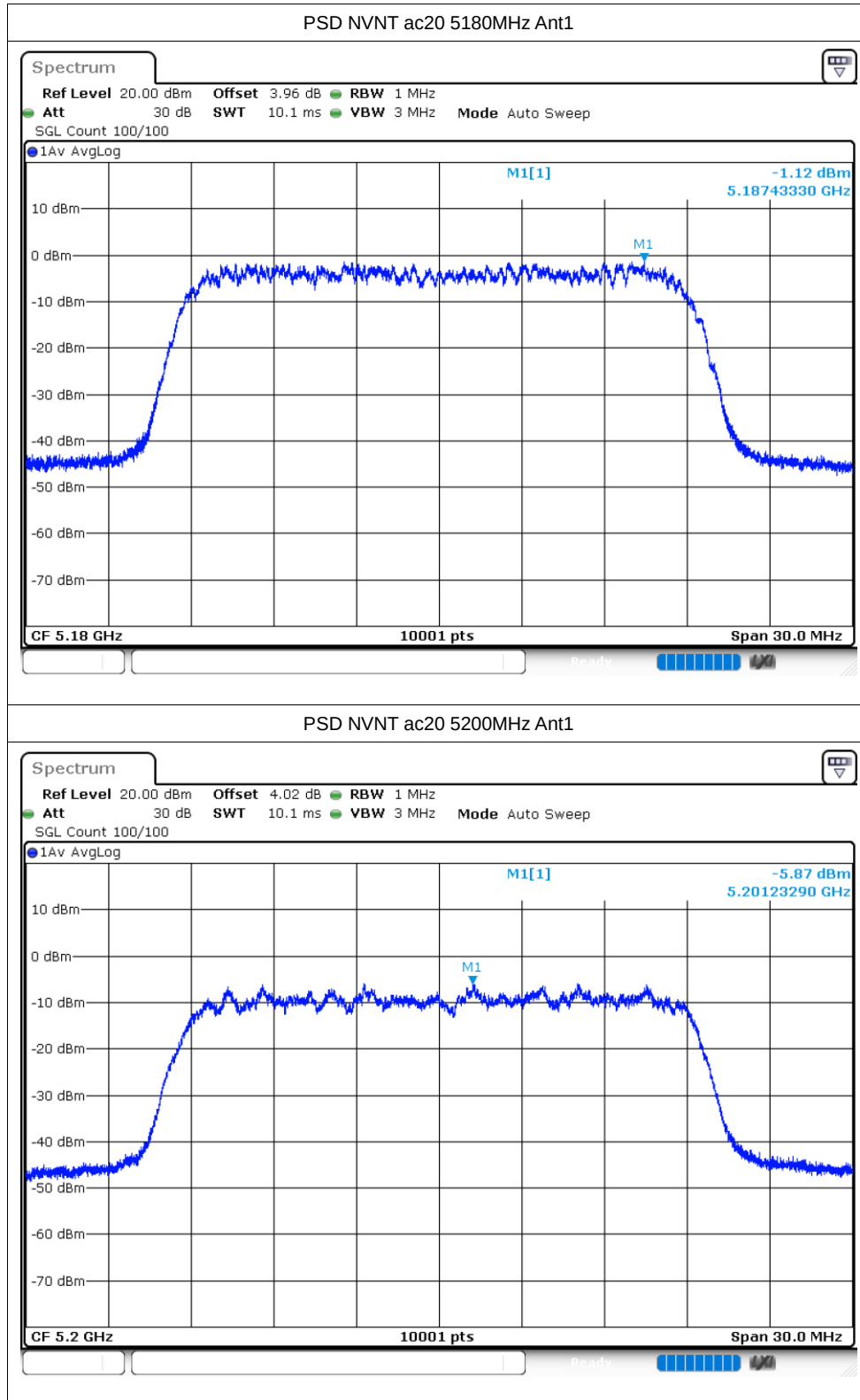
PSD NVNT a 5200MHz Ant1

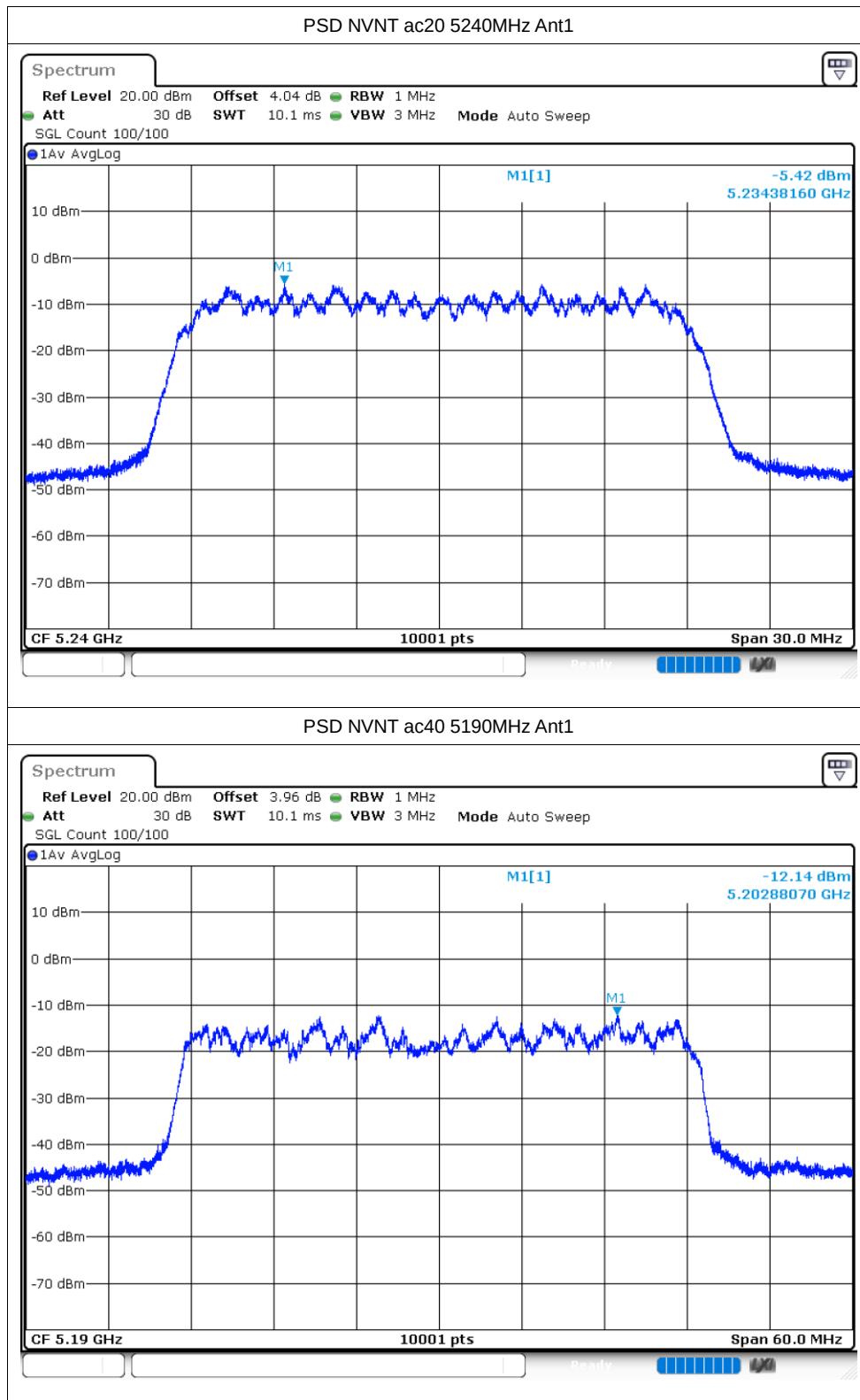


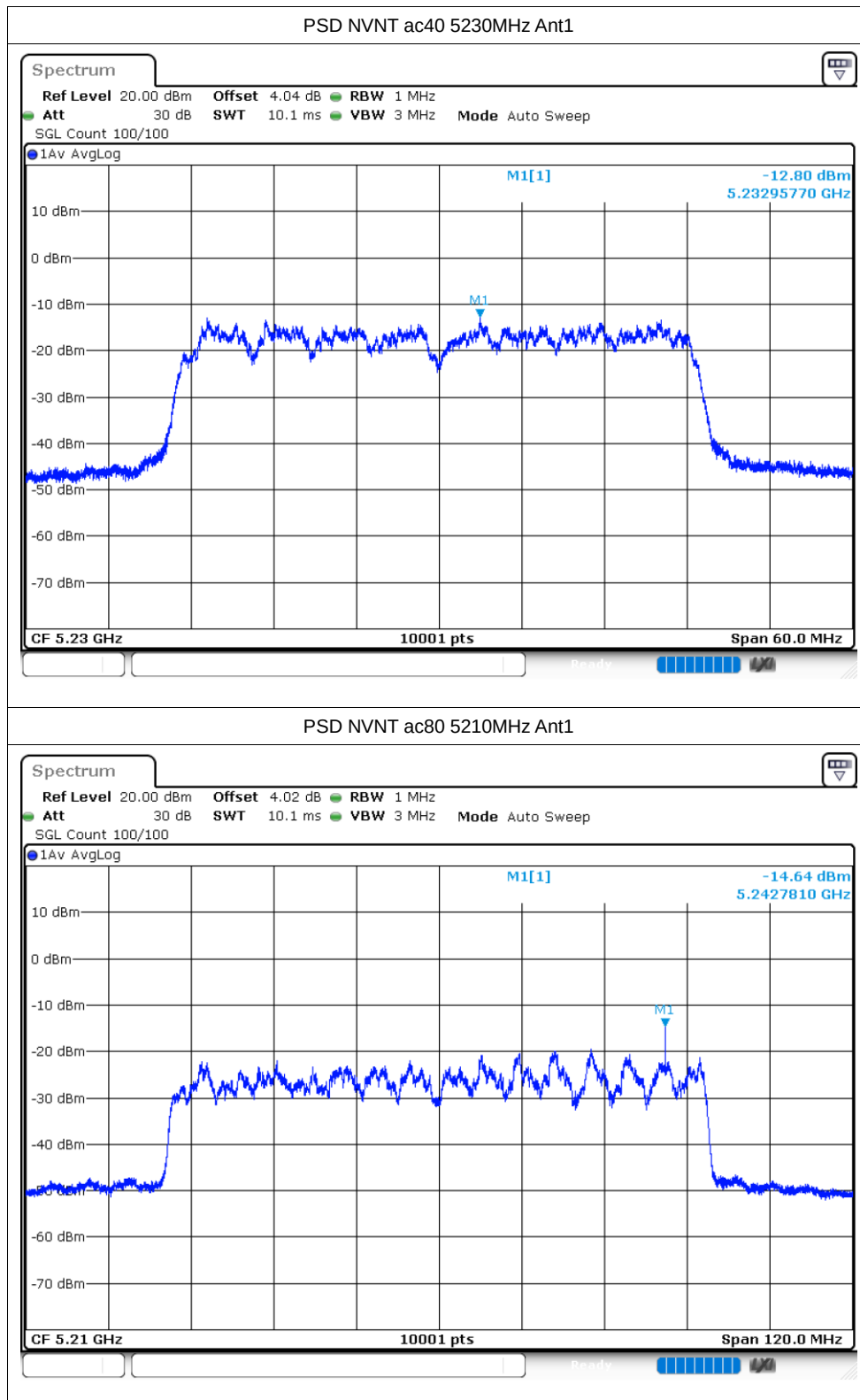










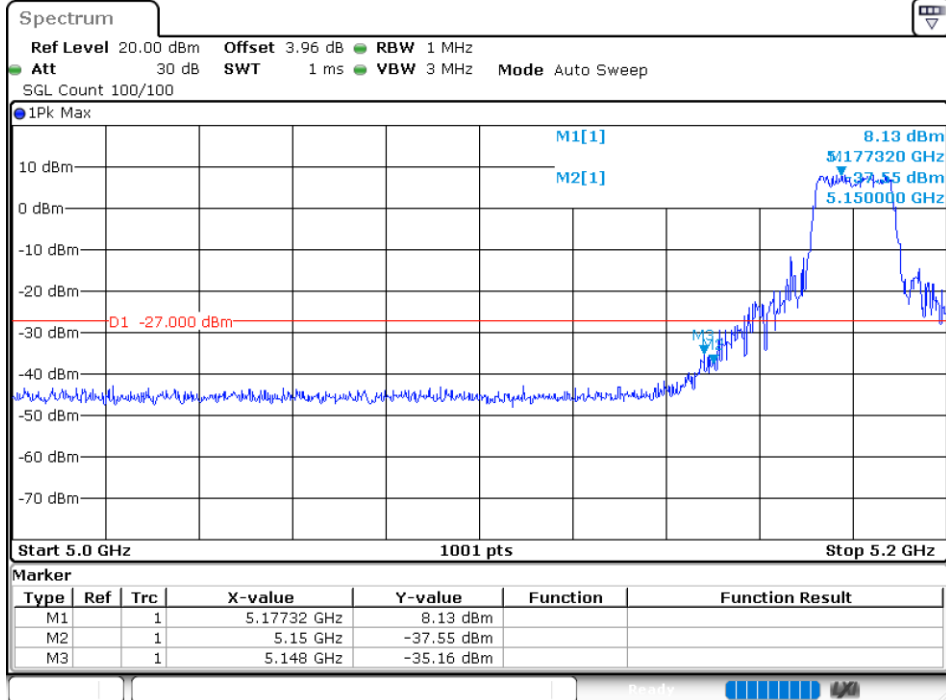


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-35.16	-27	Pass
NVNT	a	5240	Ant1	-42.89	-27	Pass
NVNT	n20	5180	Ant1	-29.05	-27	Pass
NVNT	n20	5240	Ant1	-42.76	-27	Pass
NVNT	n40	5190	Ant1	-27.18	-27	Pass
NVNT	n40	5230	Ant1	-42.93	-27	Pass
NVNT	ac20	5180	Ant1	-32.57	-27	Pass
NVNT	ac20	5240	Ant1	-42.67	-27	Pass
NVNT	ac40	5190	Ant1	-28.63	-27	Pass
NVNT	ac40	5230	Ant1	-42.76	-27	Pass
NVNT	ac80	5210	Ant1	-42.65	-27	Pass
NVNT	ac80	5210	Ant1	-33.85	-27	Pass

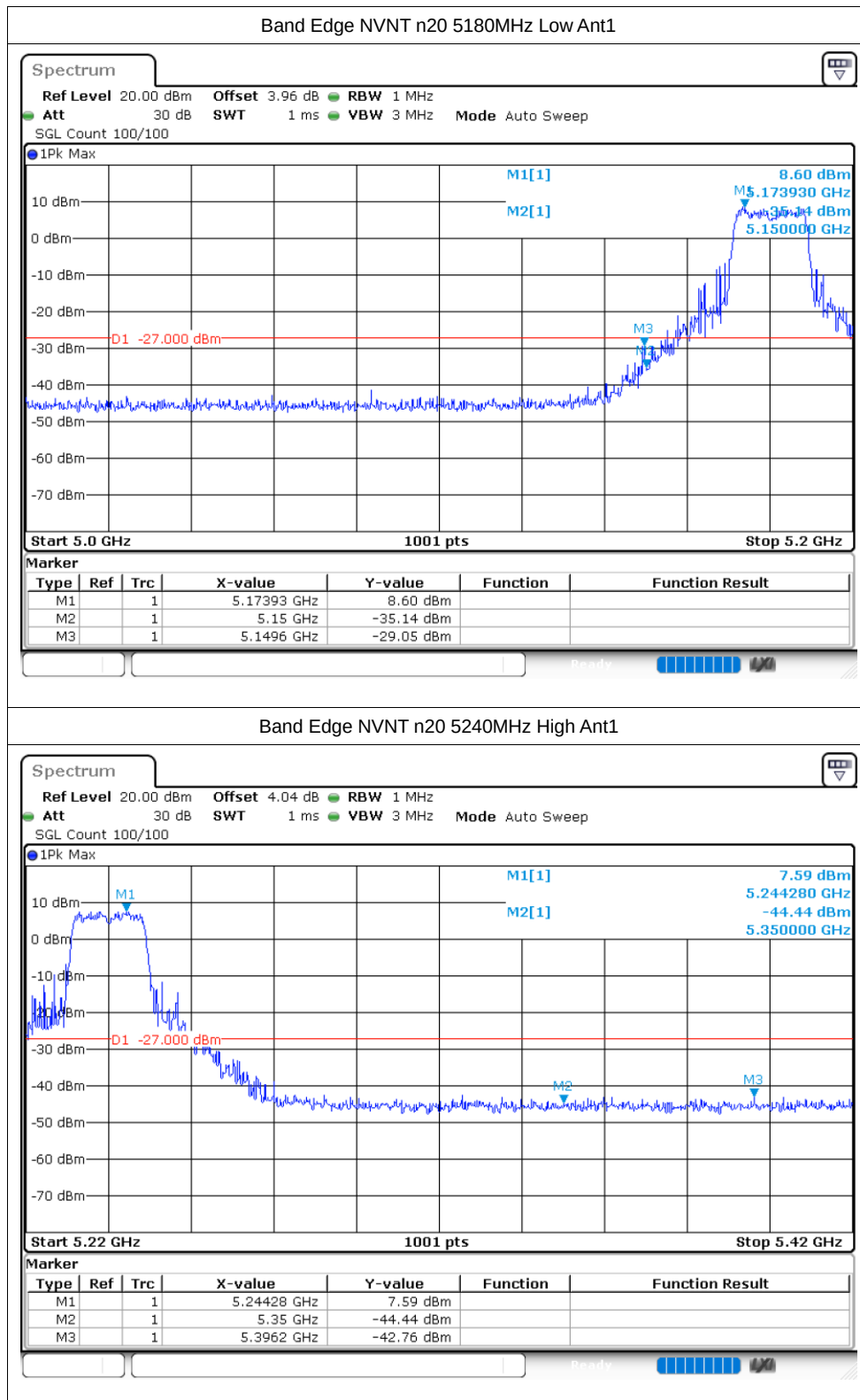
Test Graphs

Band Edge NVNT a 5180MHz Low Ant1

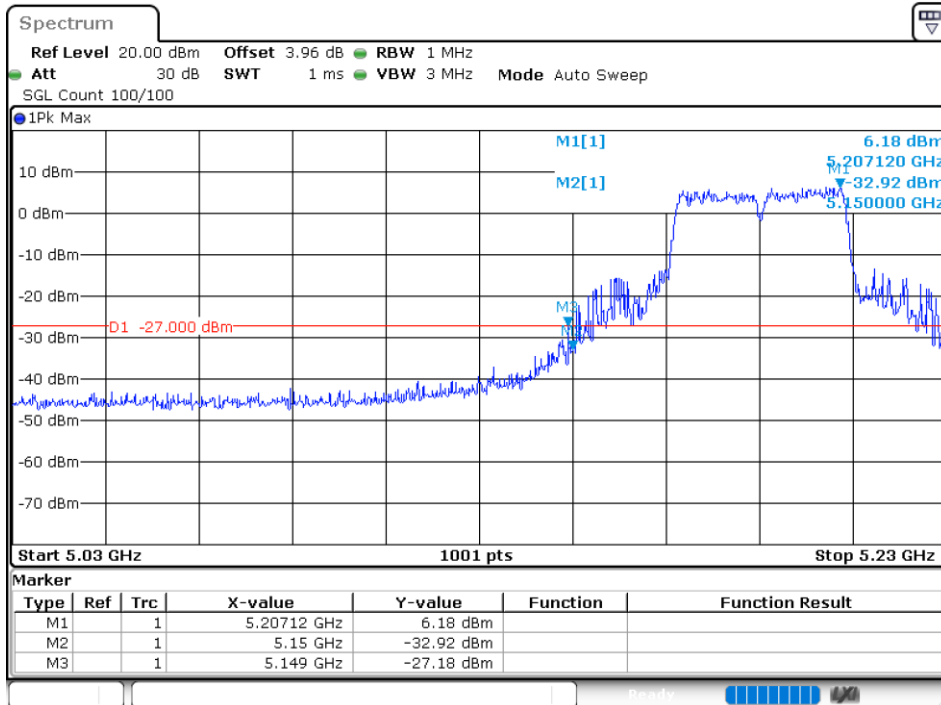


Band Edge NVNT a 5240MHz High Ant1

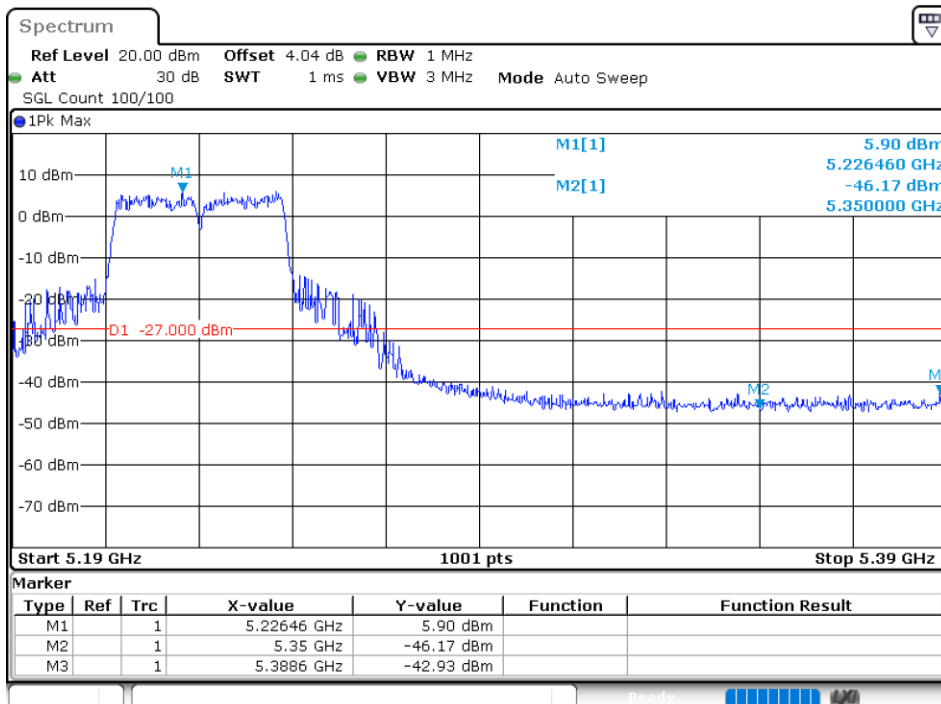




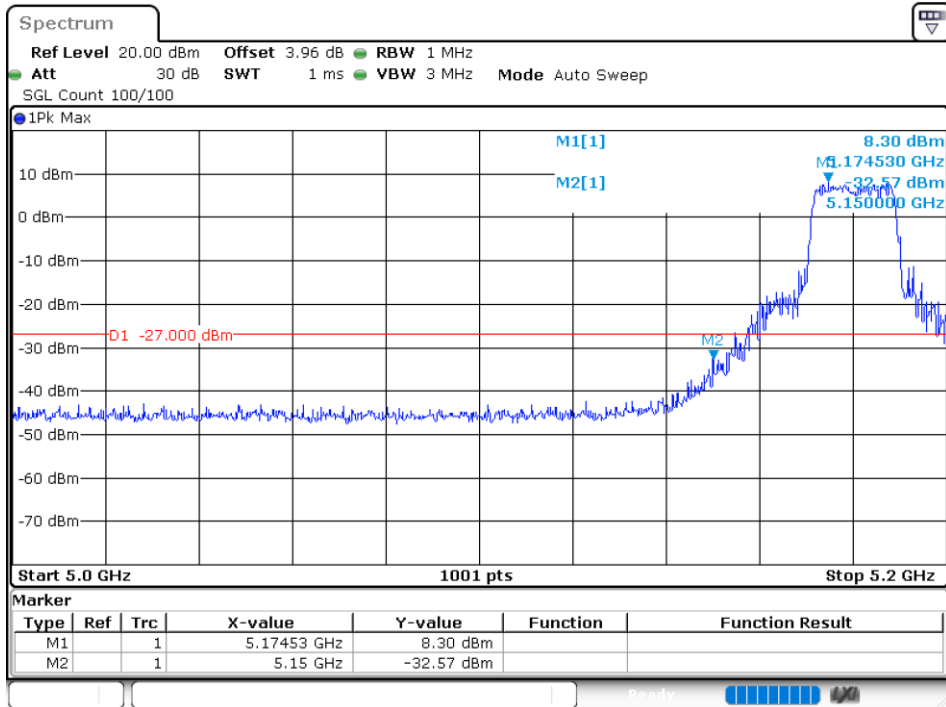
Band Edge NVNT n40 5190MHz Low Ant1



Band Edge NVNT n40 5230MHz High Ant1



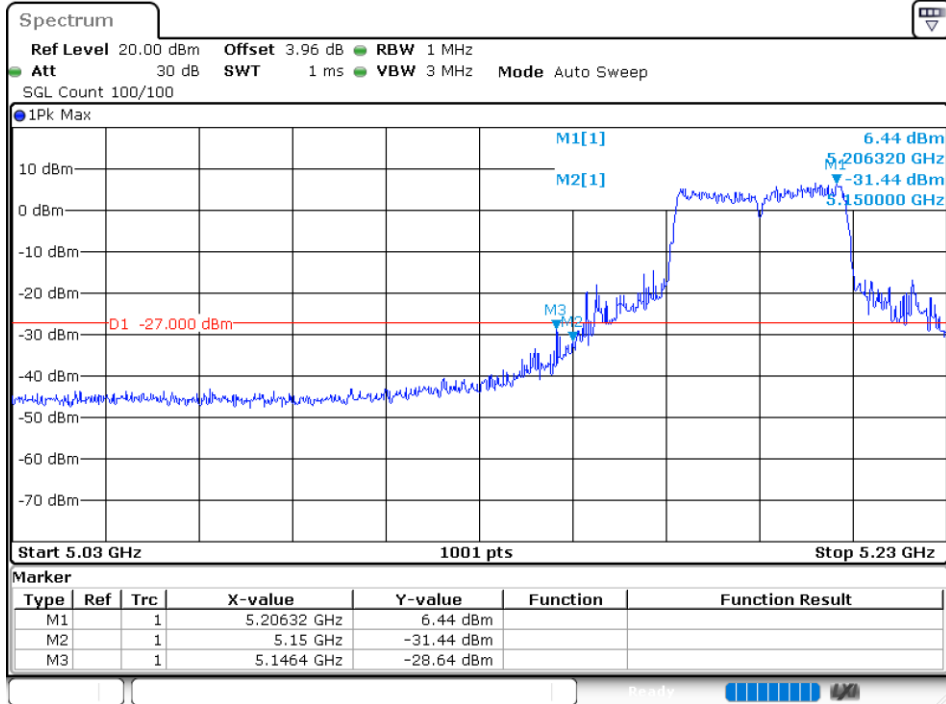
Band Edge NVNT ac20 5180MHz Low Ant1



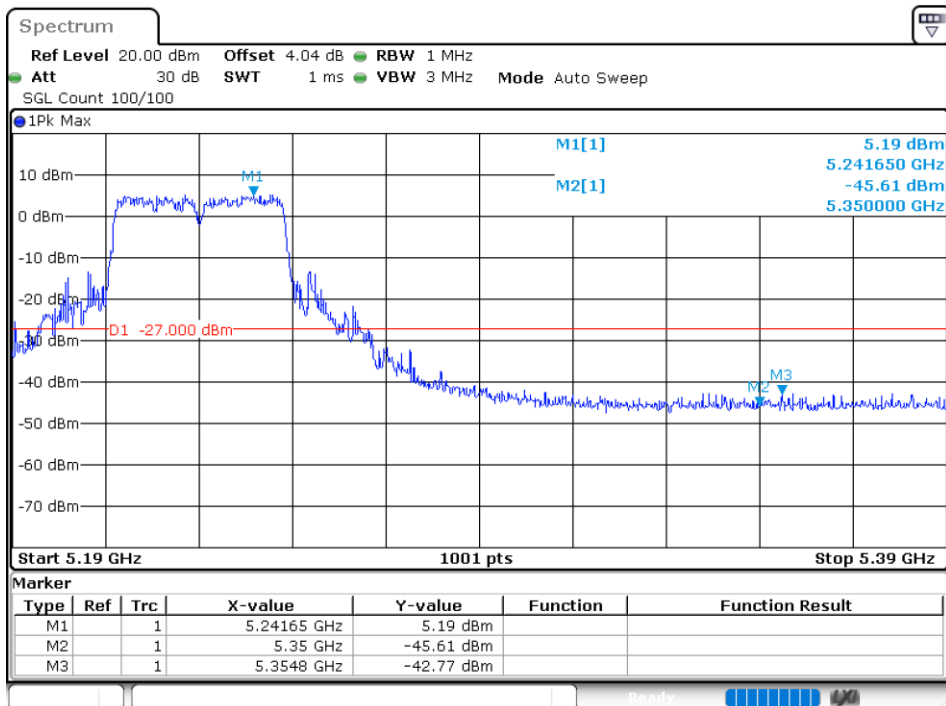
Band Edge NVNT ac20 5240MHz High Ant1



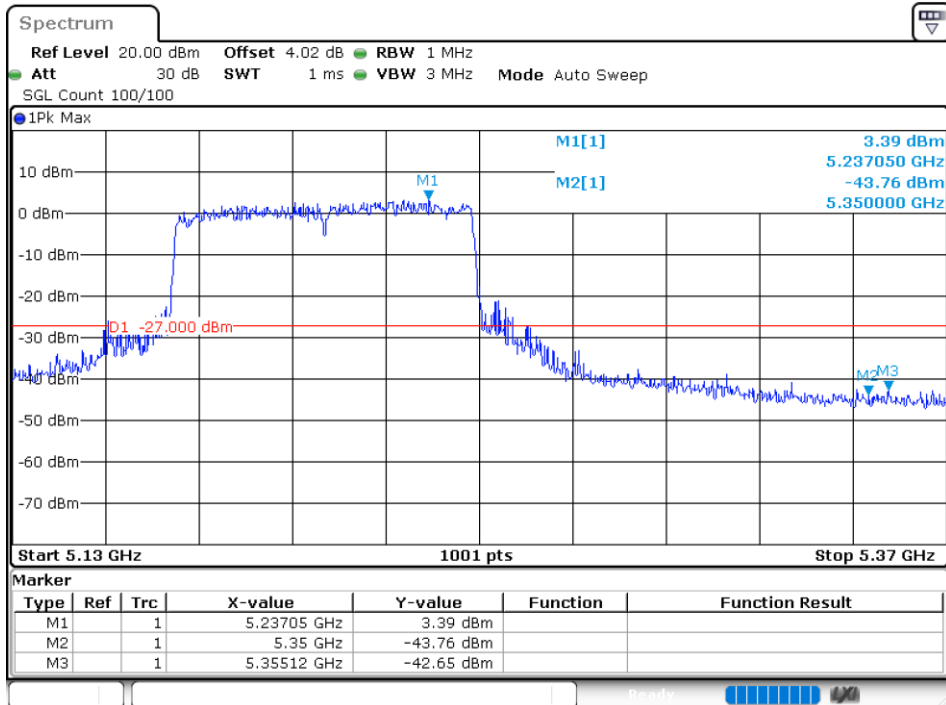
Band Edge NVNT ac40 5190MHz Low Ant1



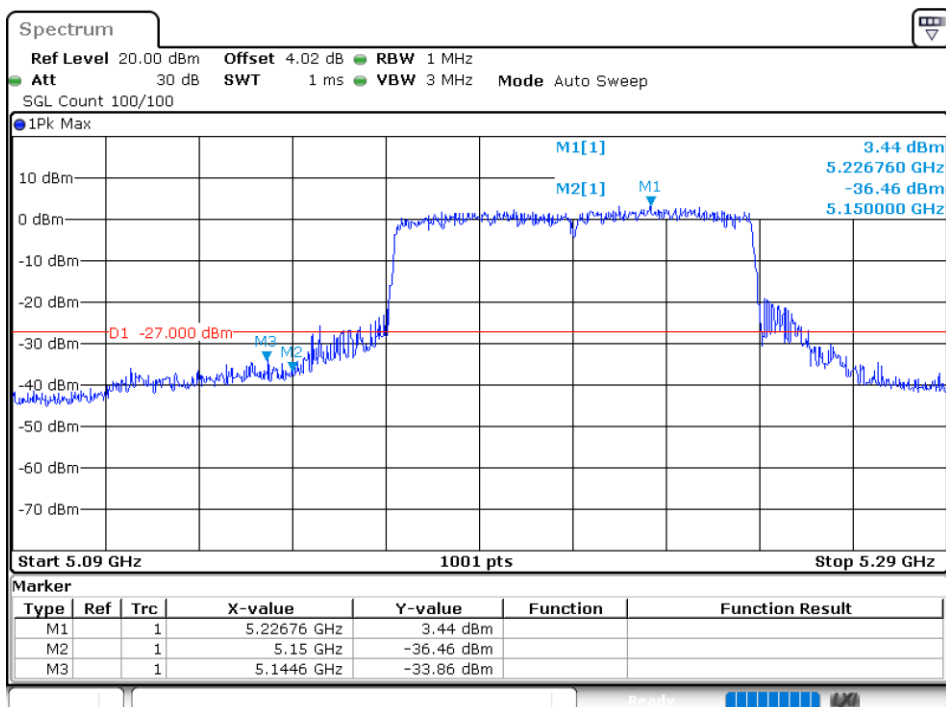
Band Edge NVNT ac40 5230MHz High Ant1



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	-34.51	-27	Pass
NVNT	a	5200	Ant1	-33.86	-27	Pass
NVNT	a	5240	Ant1	-34.34	-27	Pass
NVNT	n20	5180	Ant1	-34.5	-27	Pass
NVNT	n20	5200	Ant1	-33.61	-27	Pass
NVNT	n20	5240	Ant1	-34.5	-27	Pass
NVNT	n40	5190	Ant1	-34.59	-27	Pass
NVNT	n40	5230	Ant1	-34.62	-27	Pass
NVNT	ac20	5180	Ant1	-34.37	-27	Pass
NVNT	ac20	5200	Ant1	-34.12	-27	Pass
NVNT	ac20	5240	Ant1	-33.93	-27	Pass
NVNT	ac40	5190	Ant1	-33.84	-27	Pass
NVNT	ac40	5230	Ant1	-33.6	-27	Pass
NVNT	ac80	5210	Ant1	-34.28	-27	Pass