

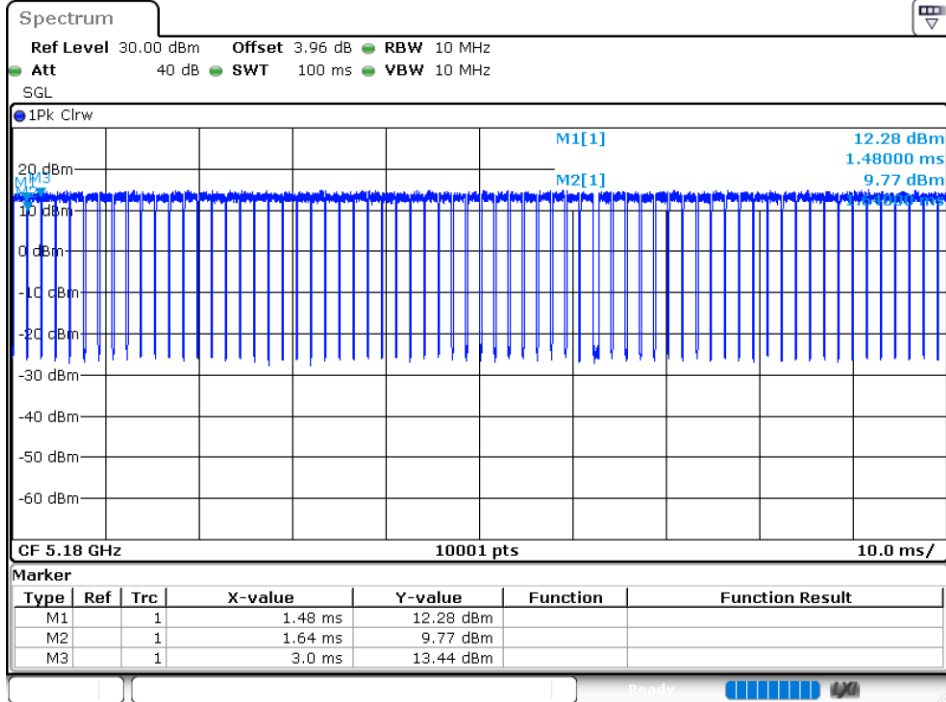
WIFI 5.2G:

Duty Cycle

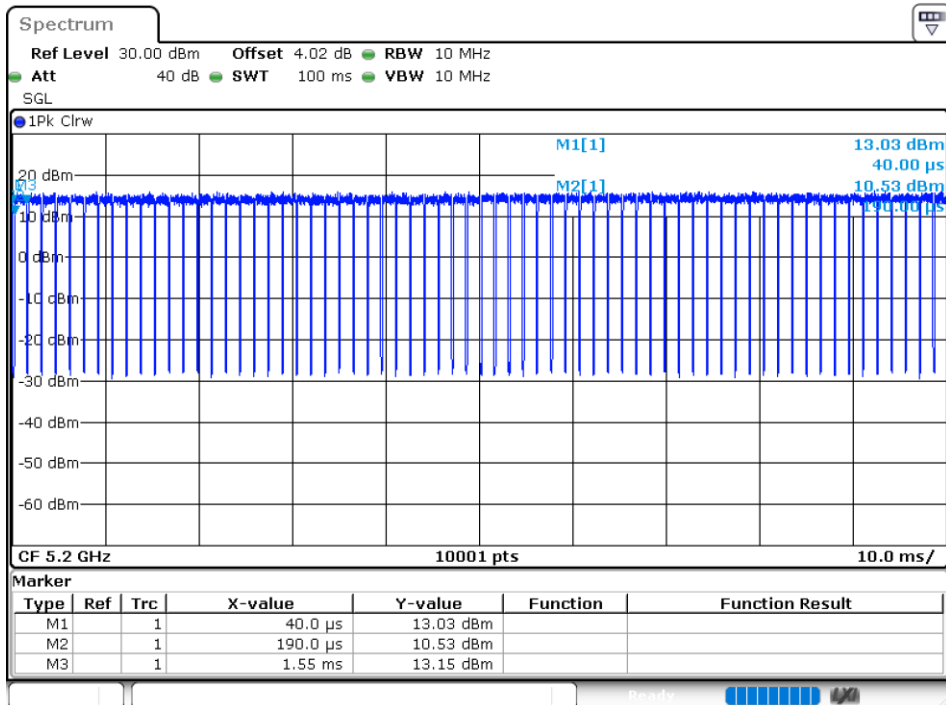
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	89.94	0.46	0.74
NVNT	a	5200	Ant1	90.38	0.44	0.74
NVNT	a	5240	Ant1	90.85	0.42	0.74
NVNT	n20	5180	Ant1	89.05	0.5	0.87
NVNT	n20	5200	Ant1	89.13	0.5	0.87
NVNT	n20	5240	Ant1	89.1	0.5	0.88
NVNT	n40	5190	Ant1	80.81	0.93	1.72
NVNT	n40	5230	Ant1	80.87	0.92	1.72
NVNT	ac20	5180	Ant1	88.79	0.52	0.86
NVNT	ac20	5200	Ant1	89.33	0.49	0.87
NVNT	ac20	5240	Ant1	89.16	0.5	0.86
NVNT	ac40	5190	Ant1	80.48	0.94	1.72
NVNT	ac40	5230	Ant1	80.81	0.93	1.72
NVNT	ac80	5210	Ant1	68.5	1.64	3.45

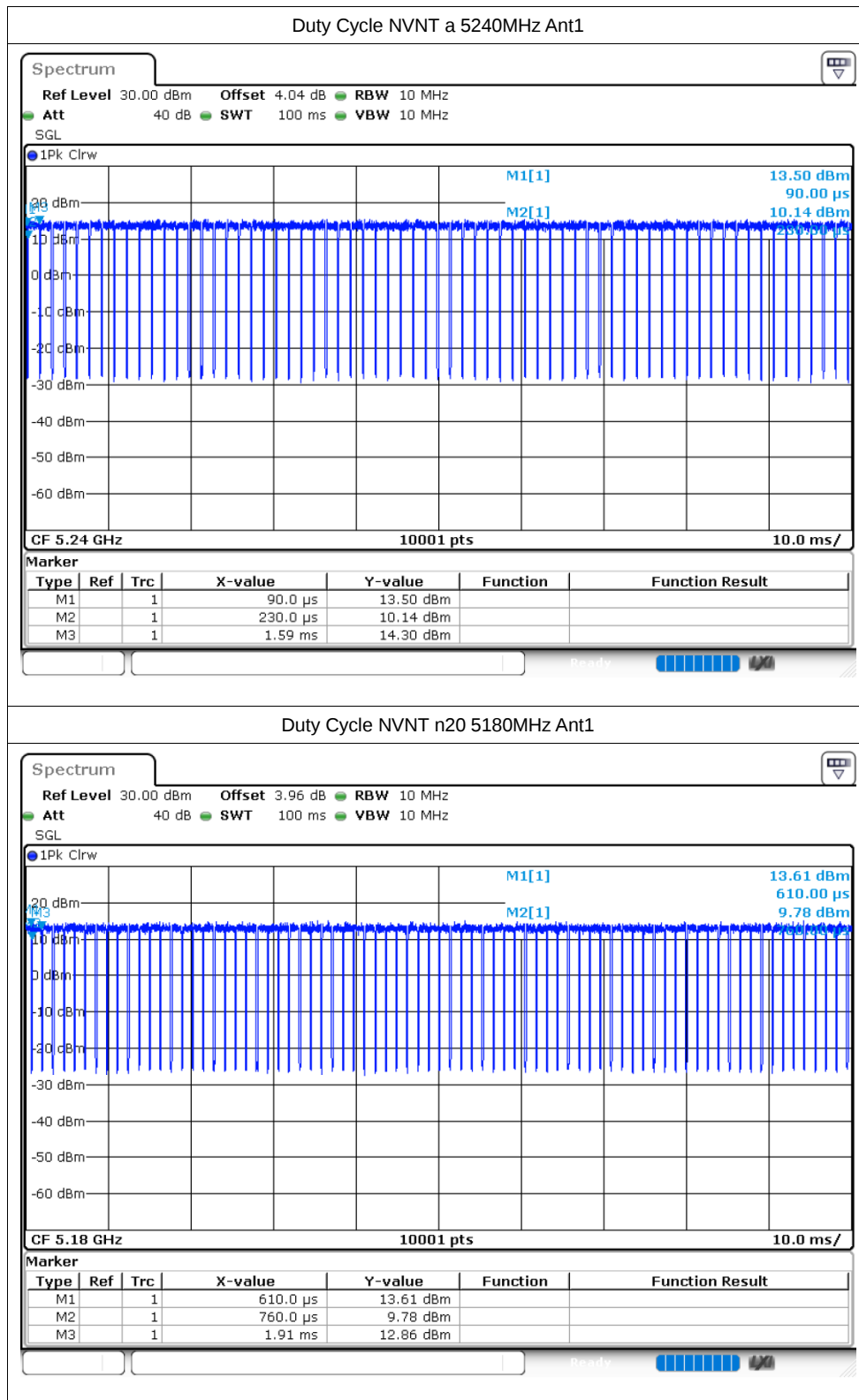
Test Graphs

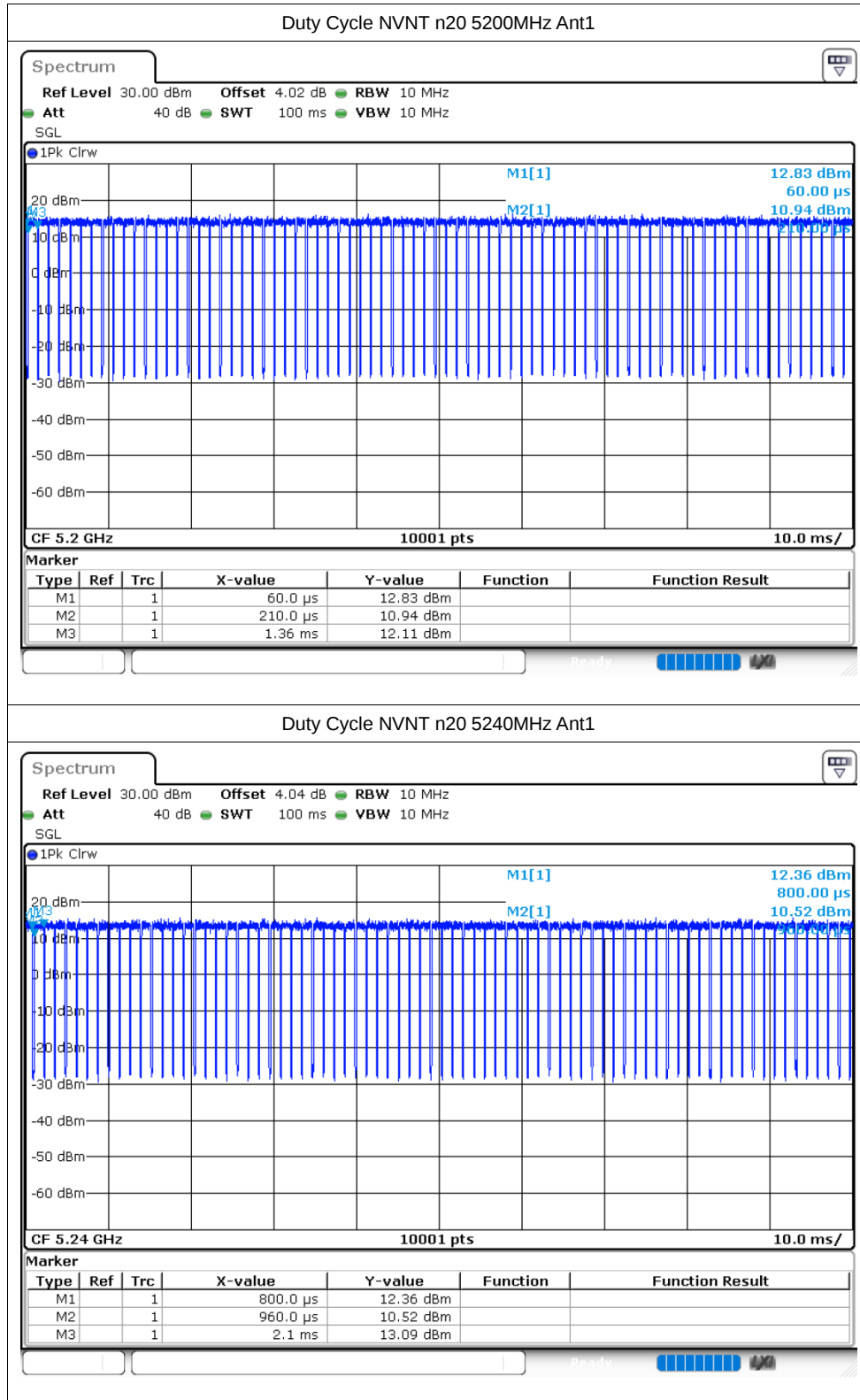
Duty Cycle NVNT a 5180MHz Ant1

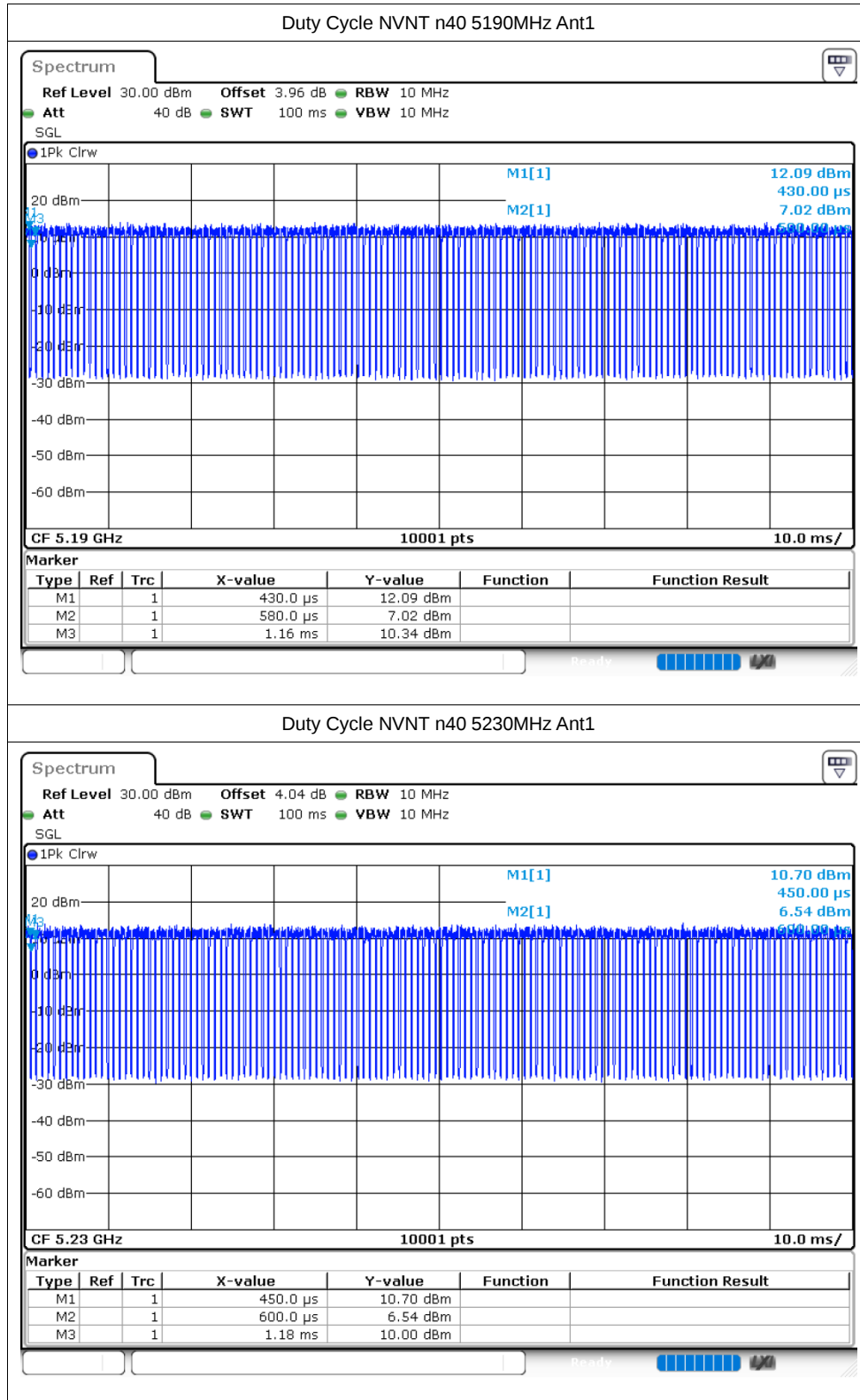


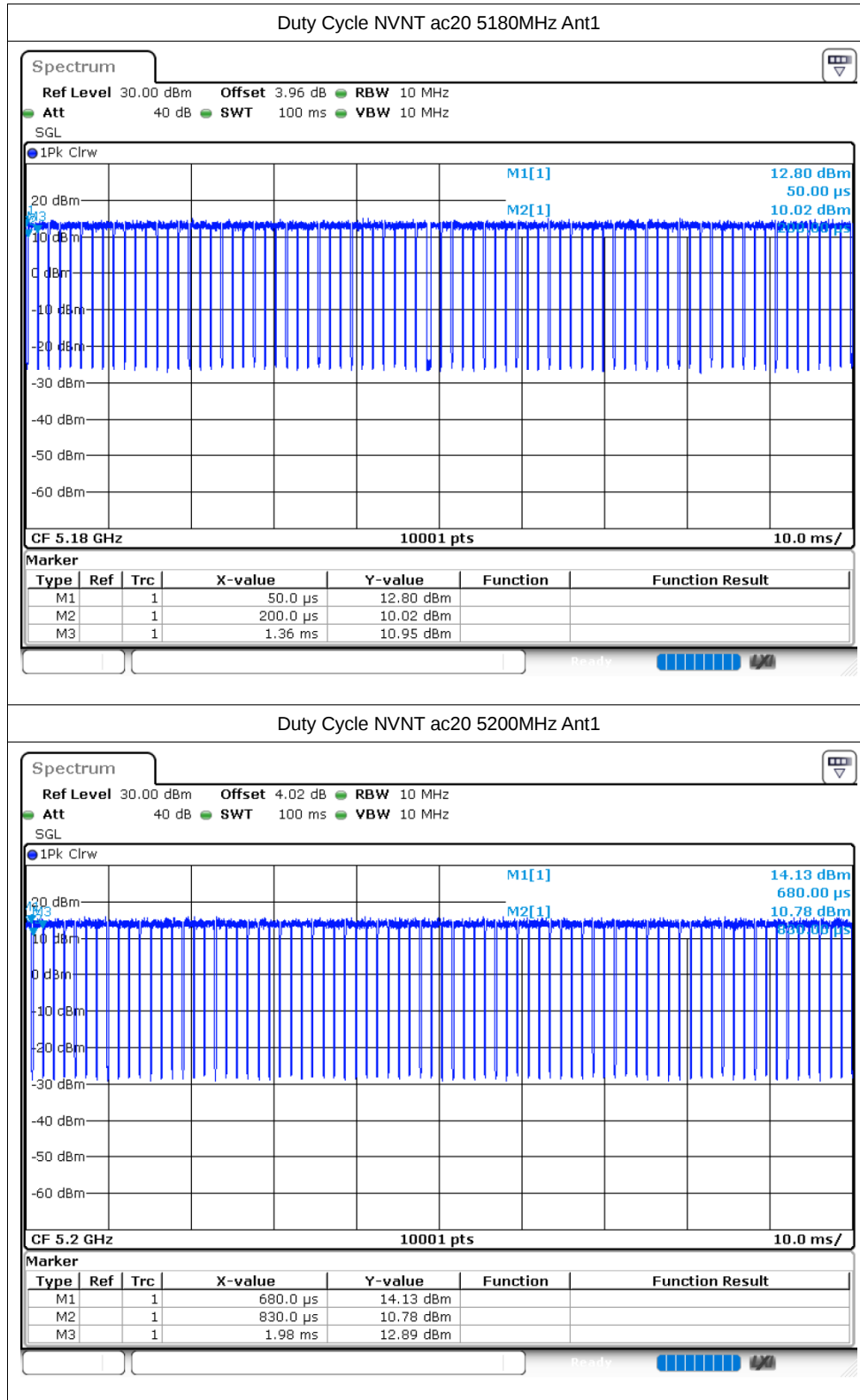
Duty Cycle NVNT a 5200MHz Ant1

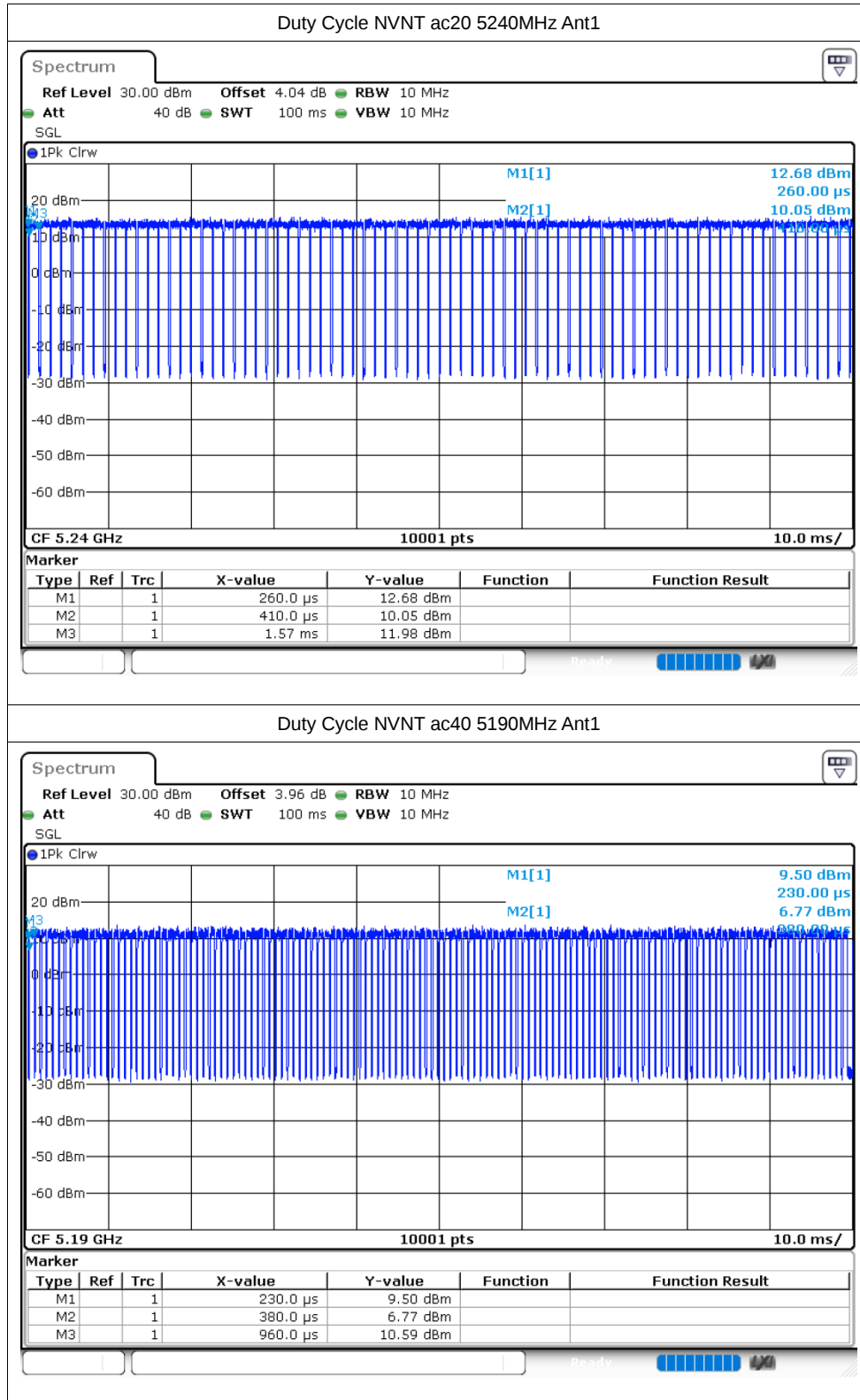


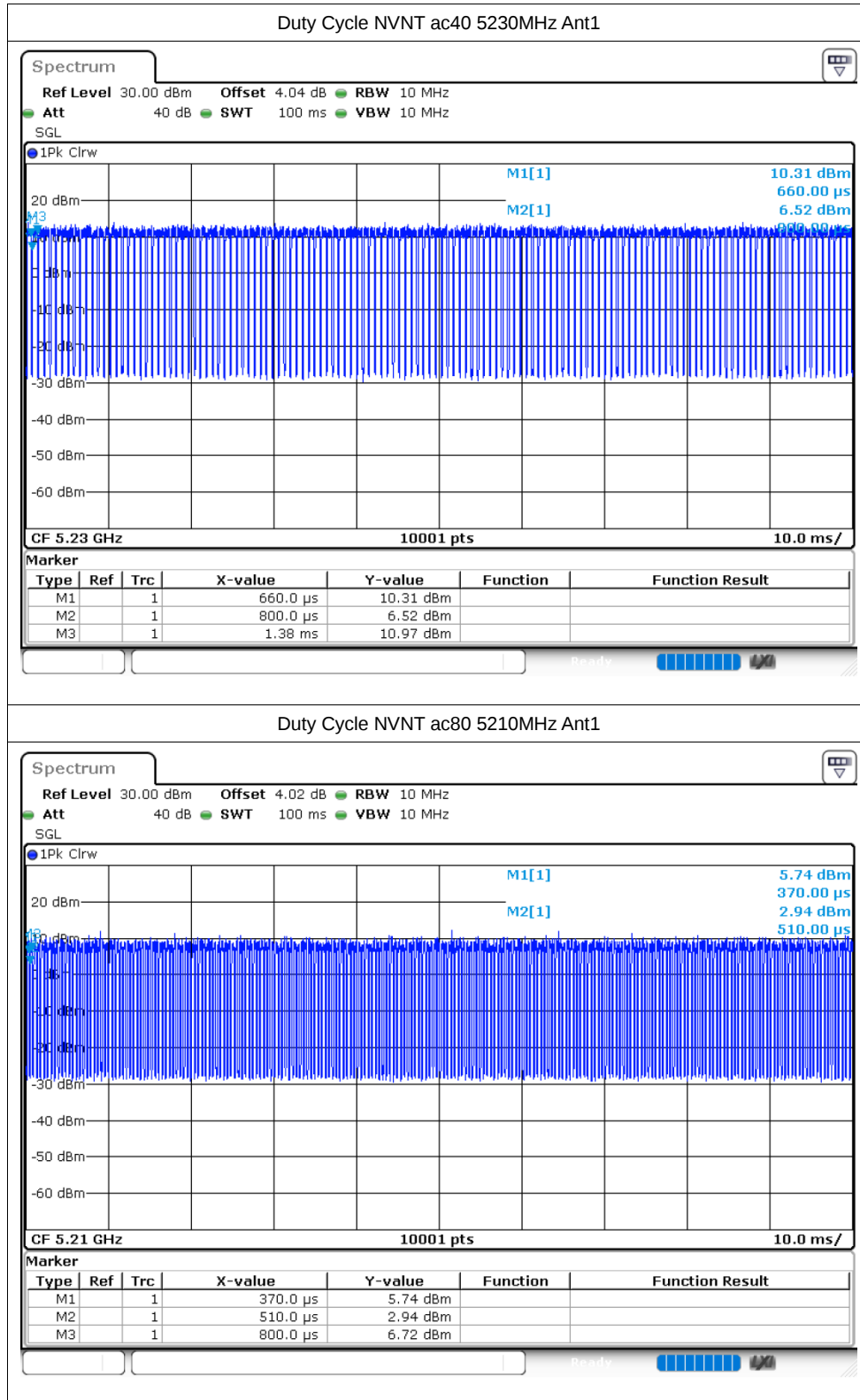












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.36	24	Pass
NVNT	a	5200	Ant1	10.7	24	Pass
NVNT	a	5240	Ant1	10.05	24	Pass
NVNT	n20	5180	Ant1	11.31	24	Pass
NVNT	n20	5200	Ant1	10.42	24	Pass
NVNT	n20	5240	Ant1	9.91	24	Pass
NVNT	n40	5190	Ant1	10.89	24	Pass
NVNT	n40	5230	Ant1	9.92	24	Pass
NVNT	ac20	5180	Ant1	11.13	24	Pass
NVNT	ac20	5200	Ant1	10.62	24	Pass
NVNT	ac20	5240	Ant1	9.68	24	Pass
NVNT	ac40	5190	Ant1	10.86	24	Pass
NVNT	ac40	5230	Ant1	9.8	24	Pass
NVNT	ac80	5210	Ant1	10.37	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	24.924	Pass
NVNT	a	5200	Ant1	22.473	Pass
NVNT	a	5240	Ant1	20.439	Pass
NVNT	n20	5180	Ant1	23.01	Pass
NVNT	n20	5200	Ant1	25.02	Pass
NVNT	n20	5240	Ant1	22.662	Pass
NVNT	n40	5190	Ant1	53.646	Pass
NVNT	n40	5230	Ant1	46.062	Pass
NVNT	ac20	5180	Ant1	24.498	Pass
NVNT	ac20	5200	Ant1	27.54	Pass
NVNT	ac20	5240	Ant1	19.932	Pass
NVNT	ac40	5190	Ant1	57.108	Pass
NVNT	ac40	5230	Ant1	51.24	Pass
NVNT	ac80	5210	Ant1	101.16	Pass

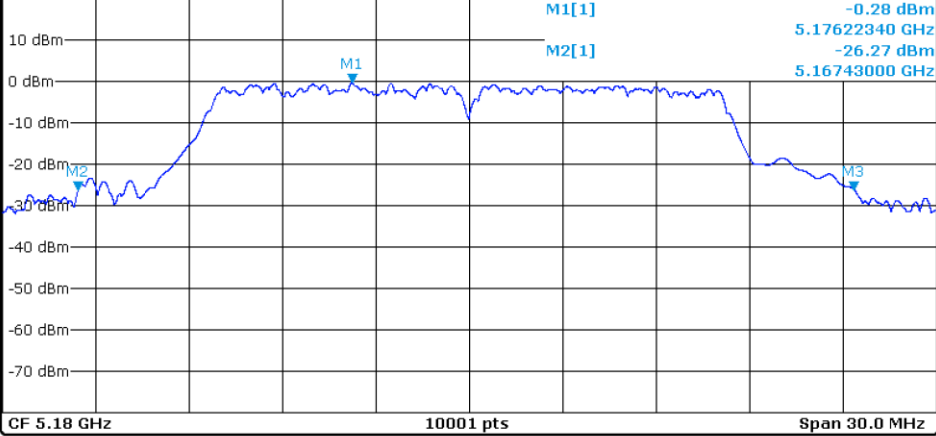
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 3.96 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

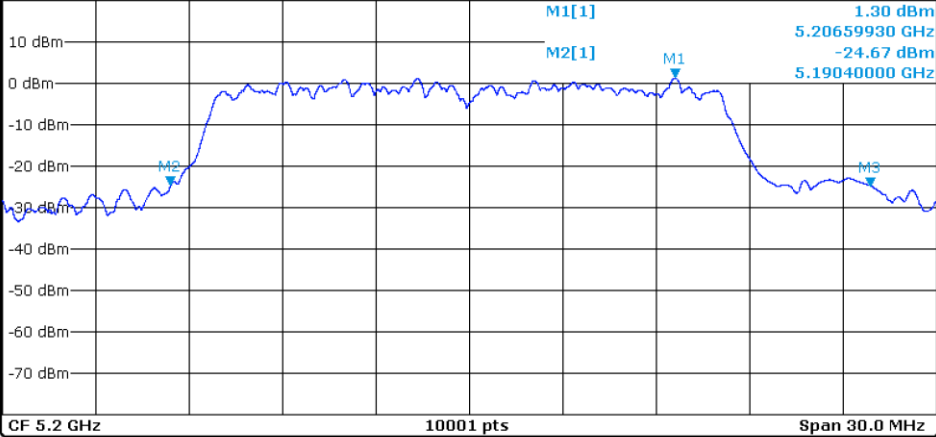
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1762234 GHz	-0.28 dBm		
M2	1		5.16743 GHz	-26.27 dBm		
M3	1		5.192354 GHz	-26.28 dBm		

-26dB Bandwidth NVNT a 5200MHz Ant1

Spectrum

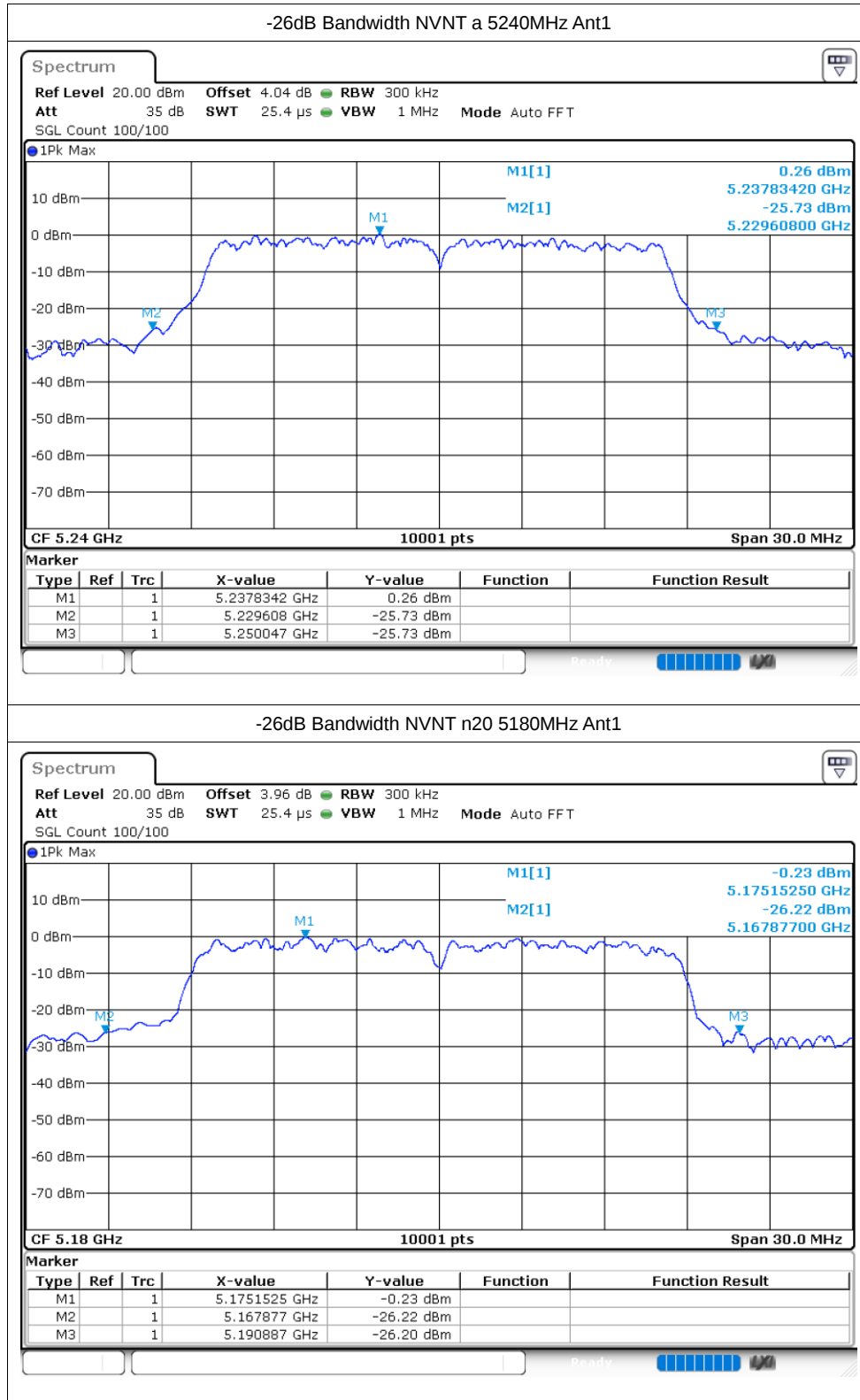
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

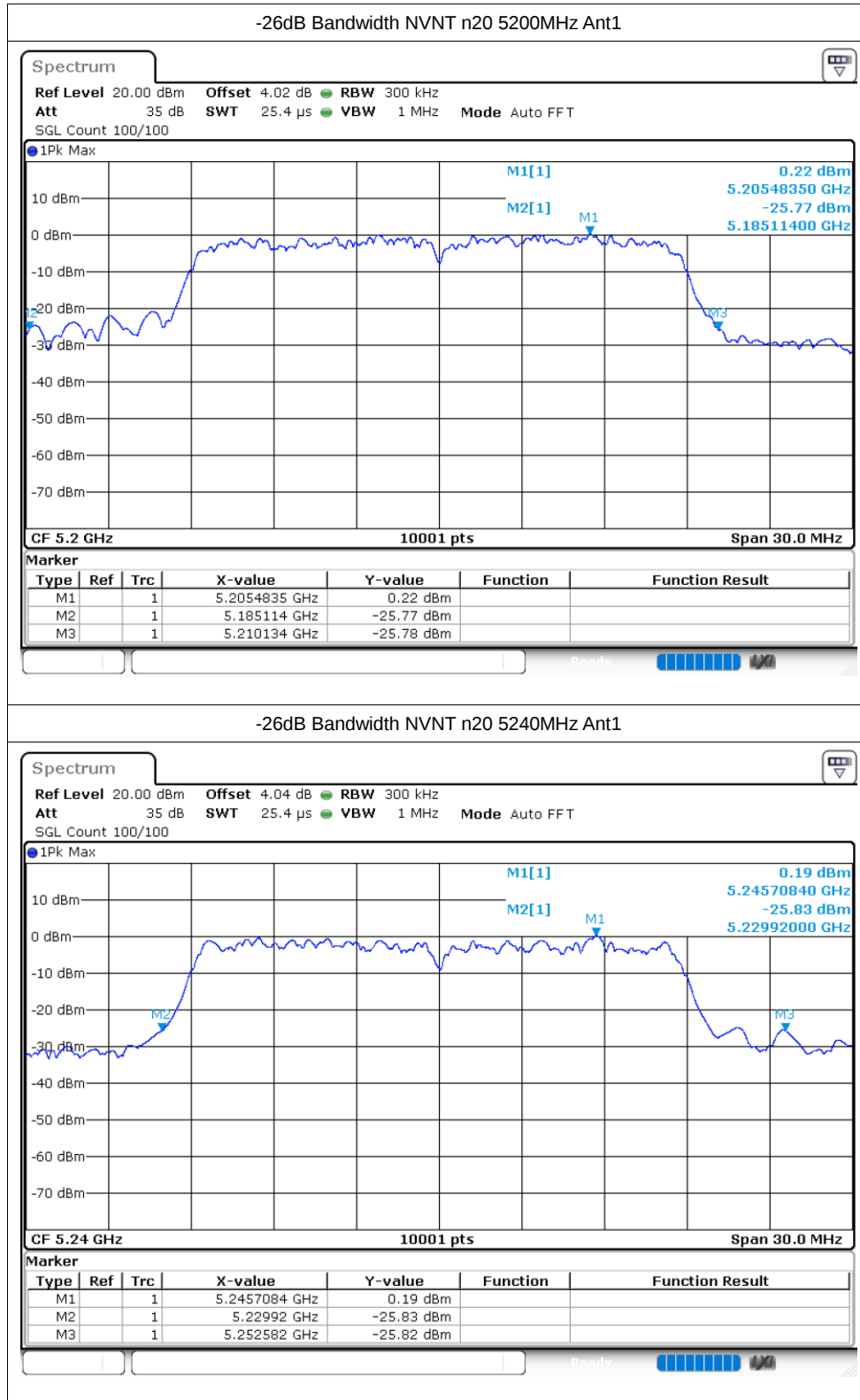
1Pk Max

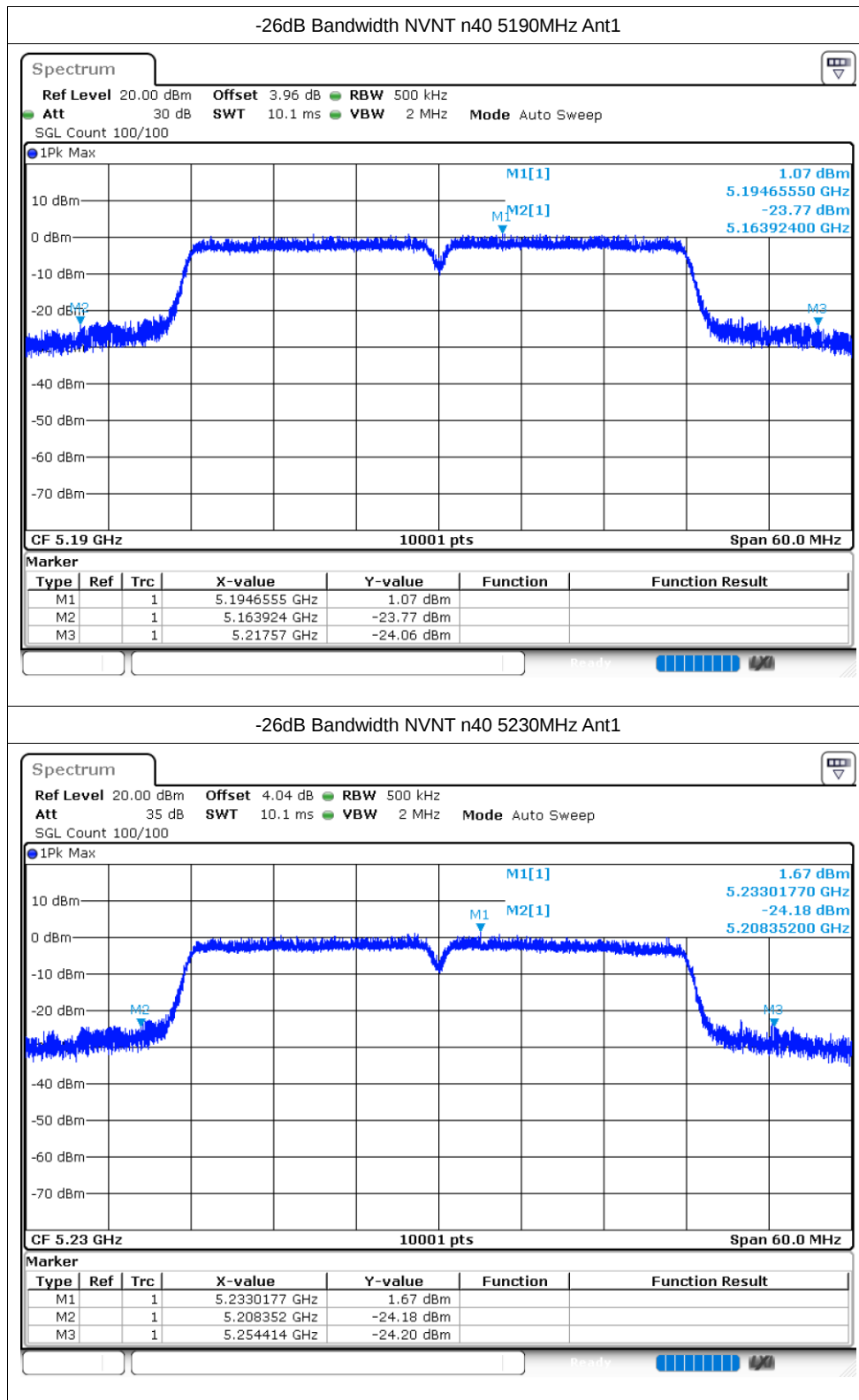


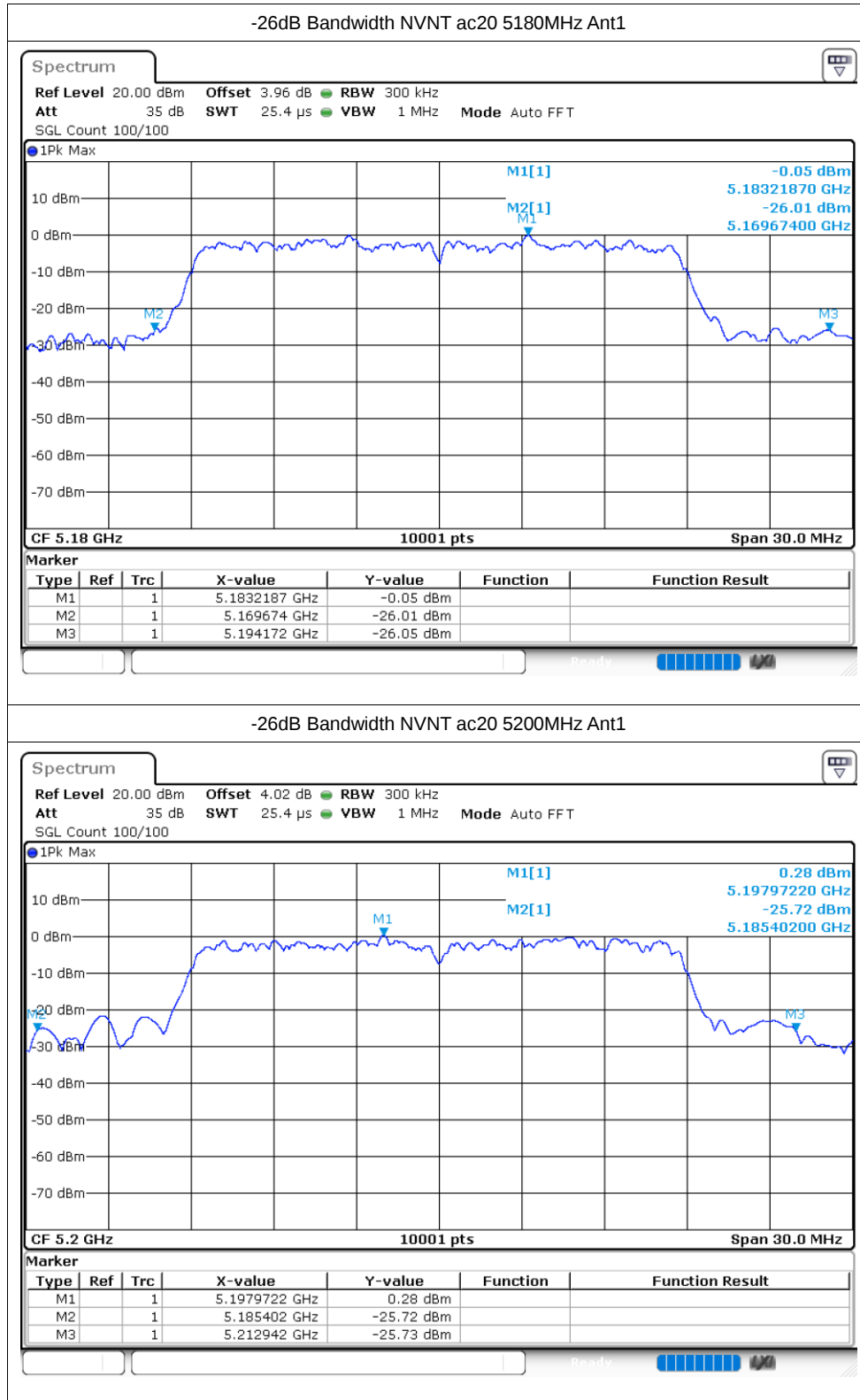
Marker

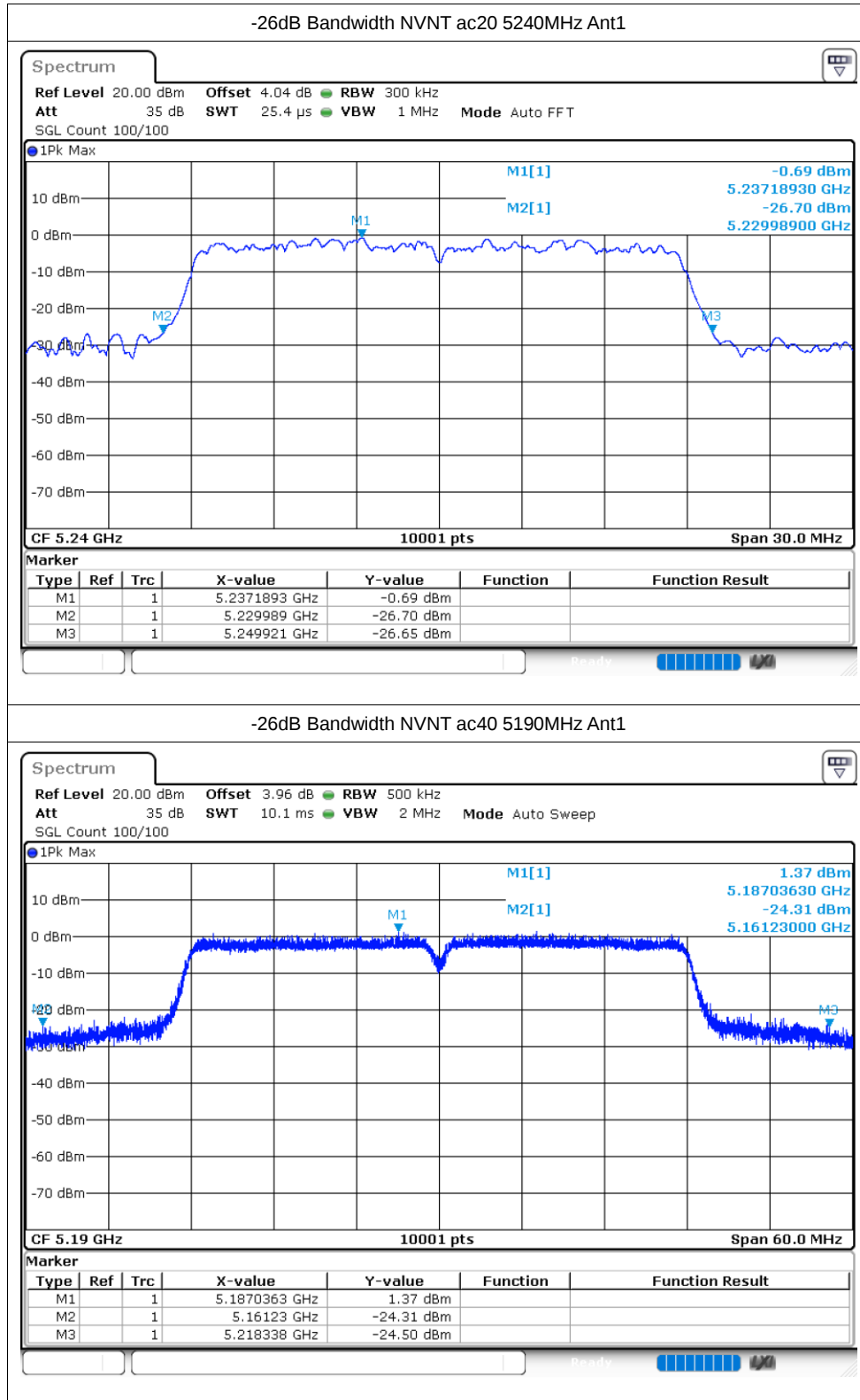
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2065993 GHz	1.30 dBm		
M2	1		5.1904 GHz	-24.67 dBm		
M3	1		5.212873 GHz	-24.72 dBm		

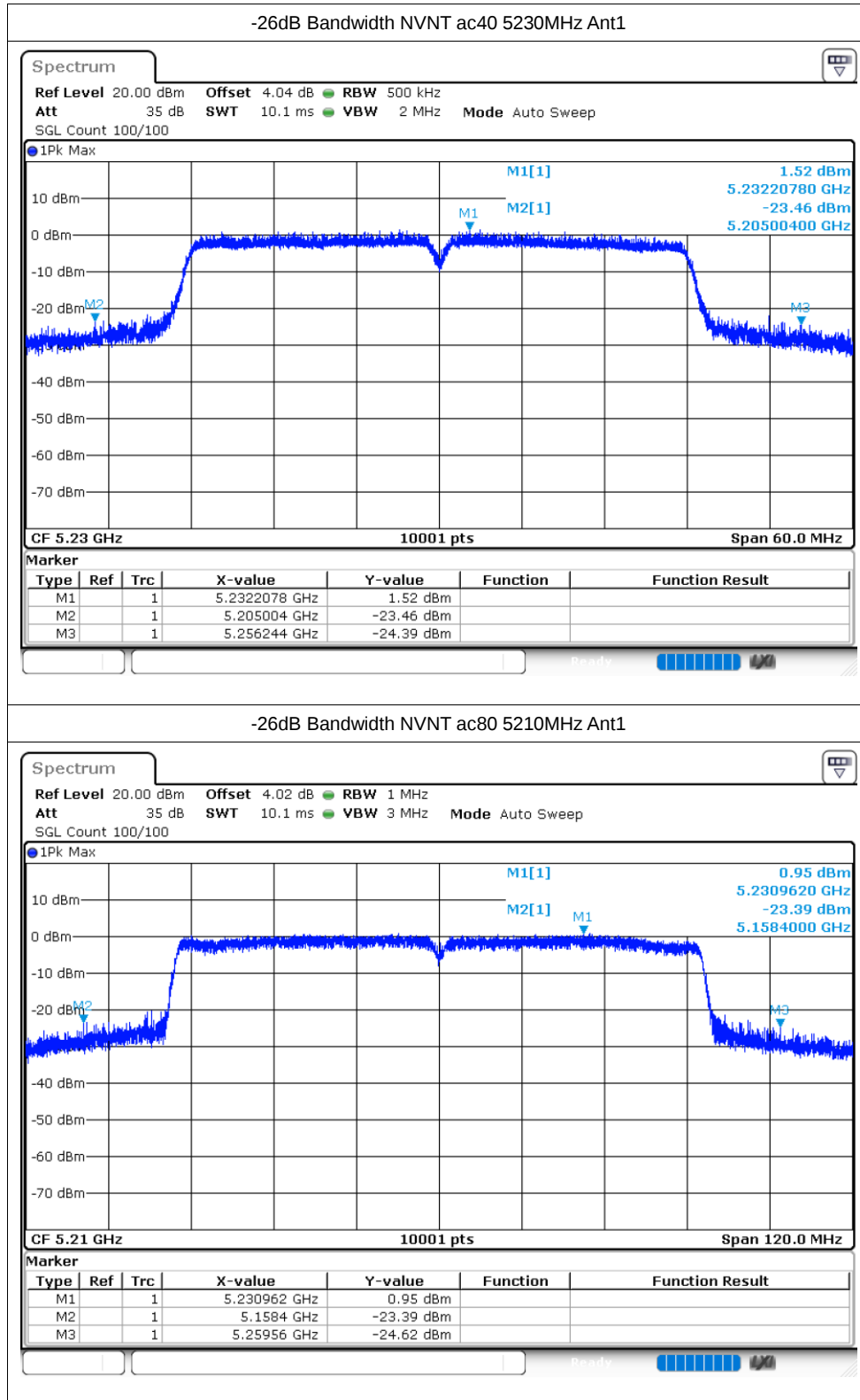










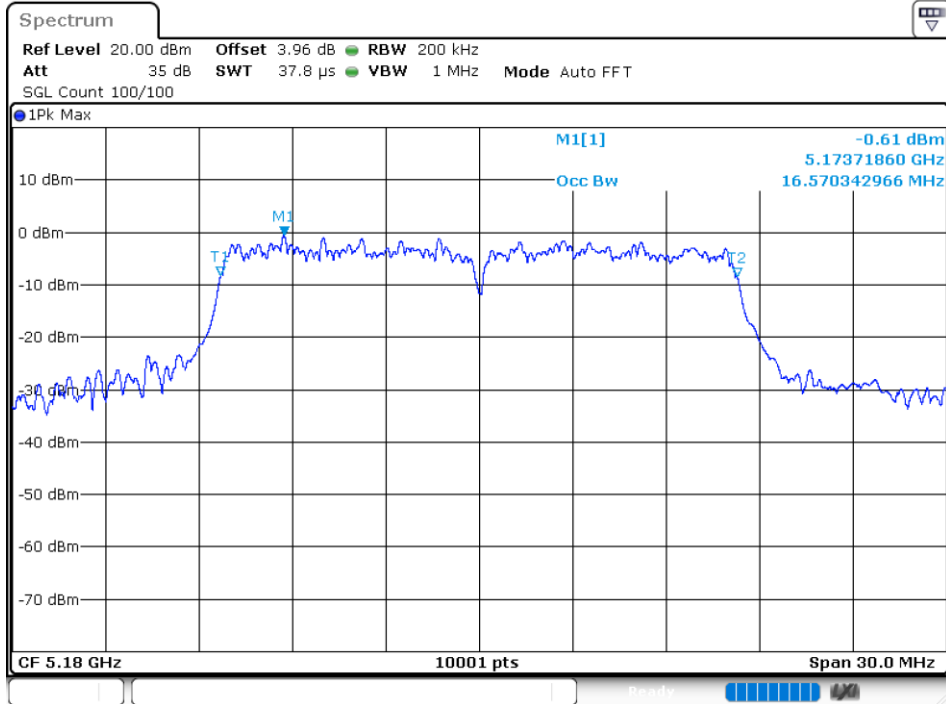


Occupied Channel Bandwidth

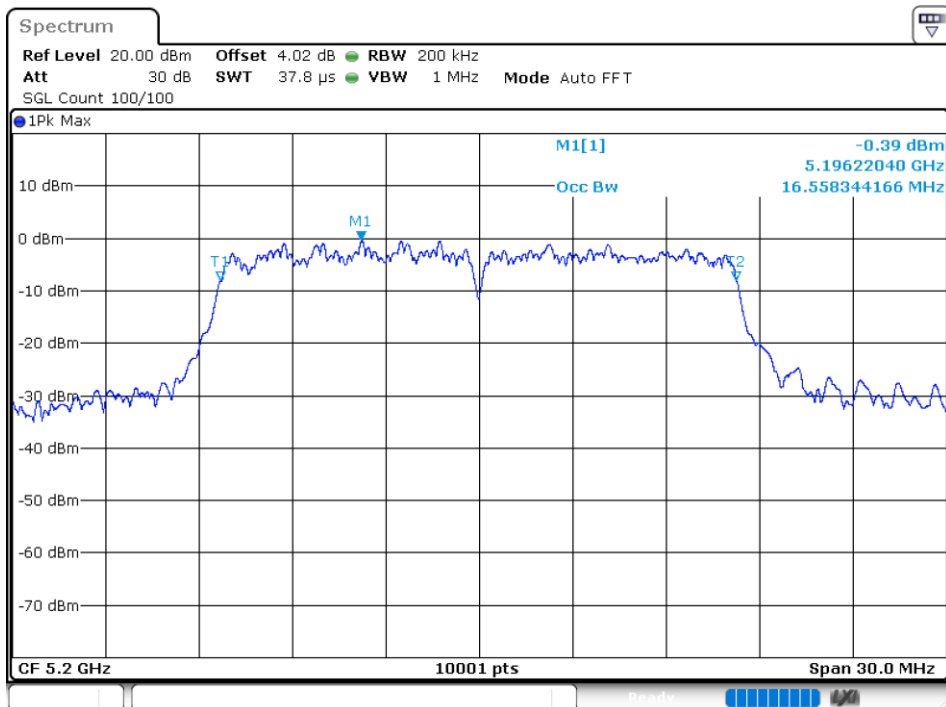
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.57
NVNT	a	5200	Ant1	16.558
NVNT	a	5240	Ant1	16.66
NVNT	n20	5180	Ant1	17.692
NVNT	n20	5200	Ant1	17.575
NVNT	n20	5240	Ant1	17.557
NVNT	n40	5190	Ant1	36.302
NVNT	n40	5230	Ant1	36.194
NVNT	ac20	5180	Ant1	17.782
NVNT	ac20	5200	Ant1	17.56
NVNT	ac20	5240	Ant1	17.569
NVNT	ac40	5190	Ant1	36.308
NVNT	ac40	5230	Ant1	36.17
NVNT	ac80	5210	Ant1	75.556

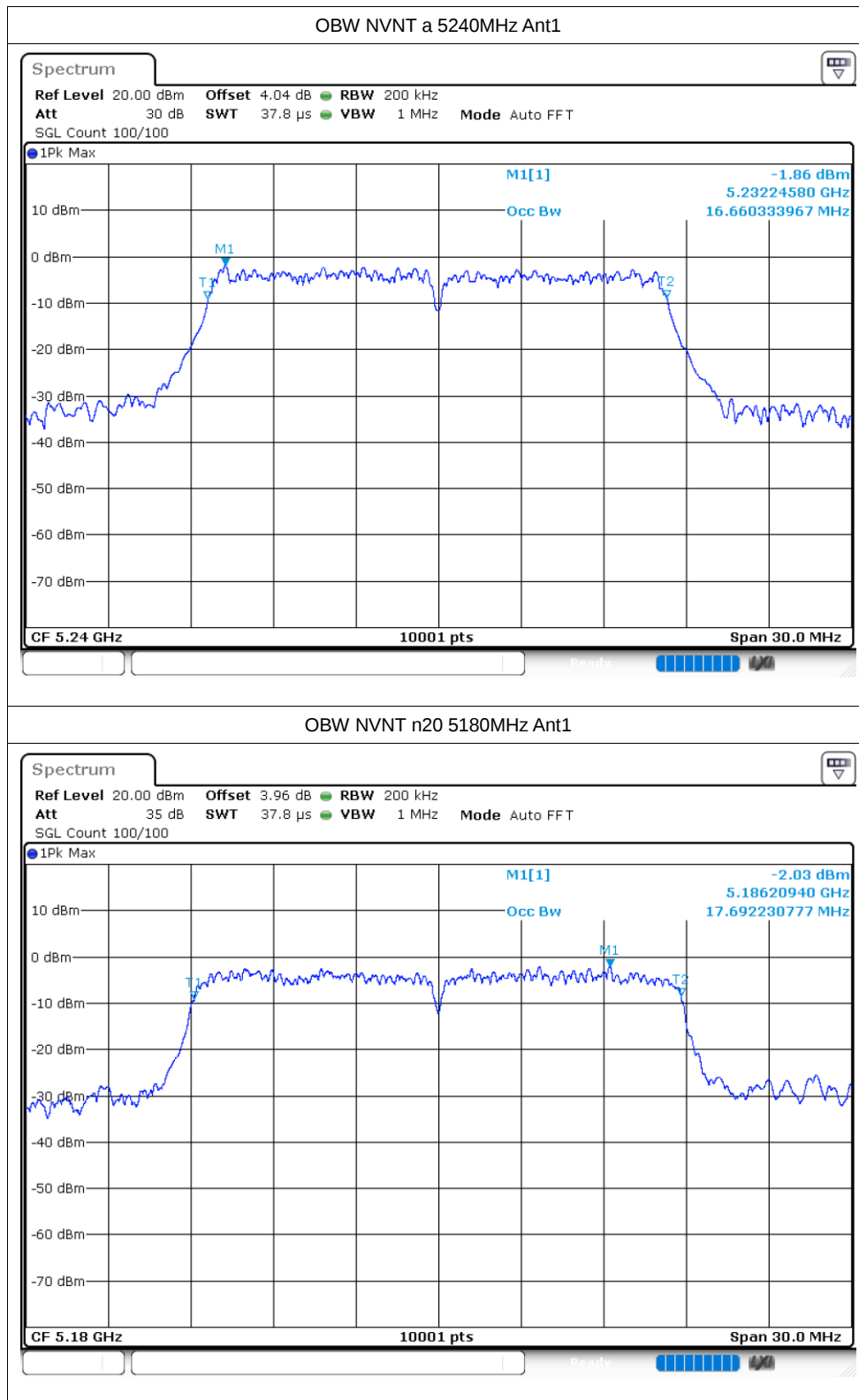
Test Graphs

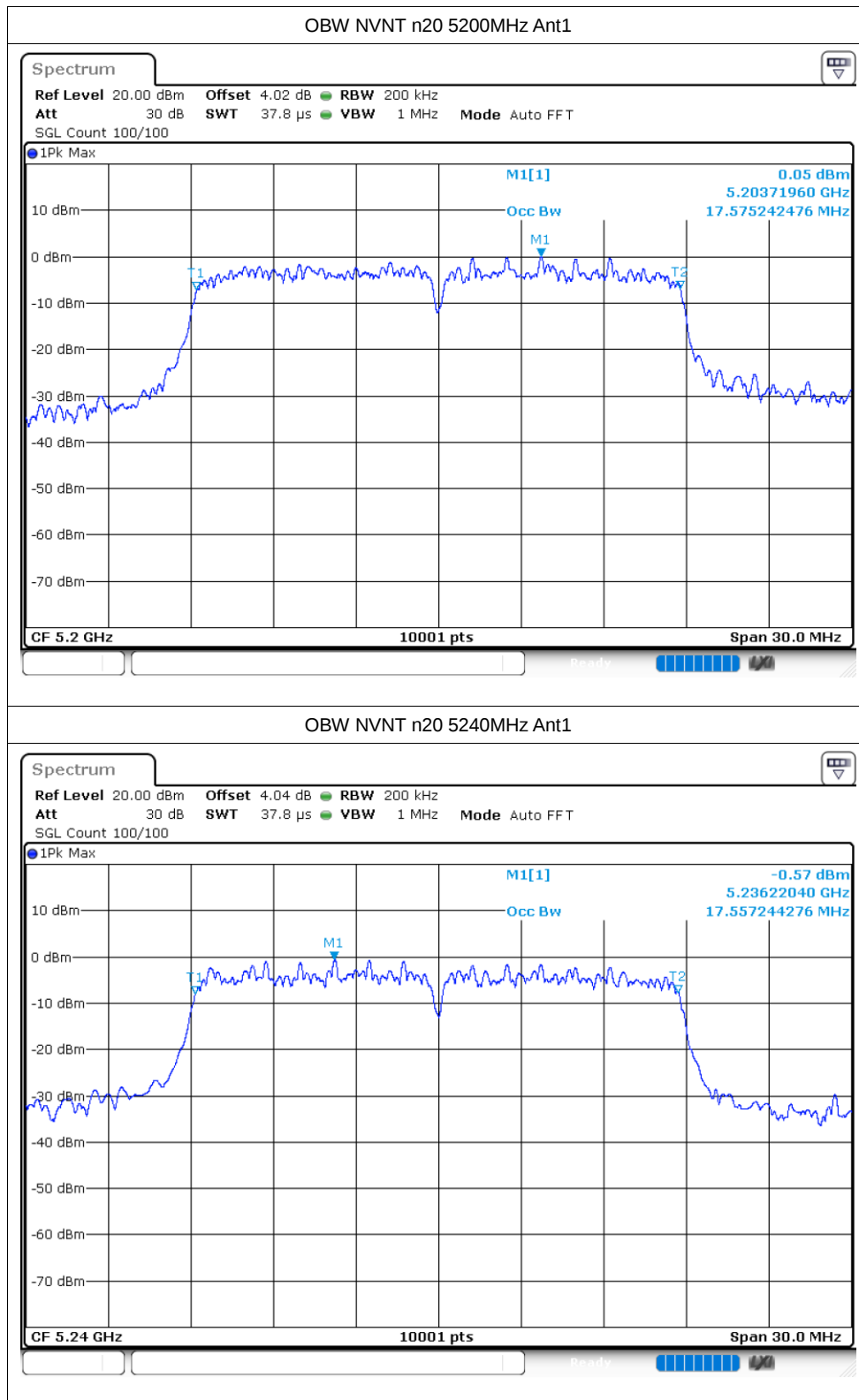
OBW NVNT a 5180MHz Ant1

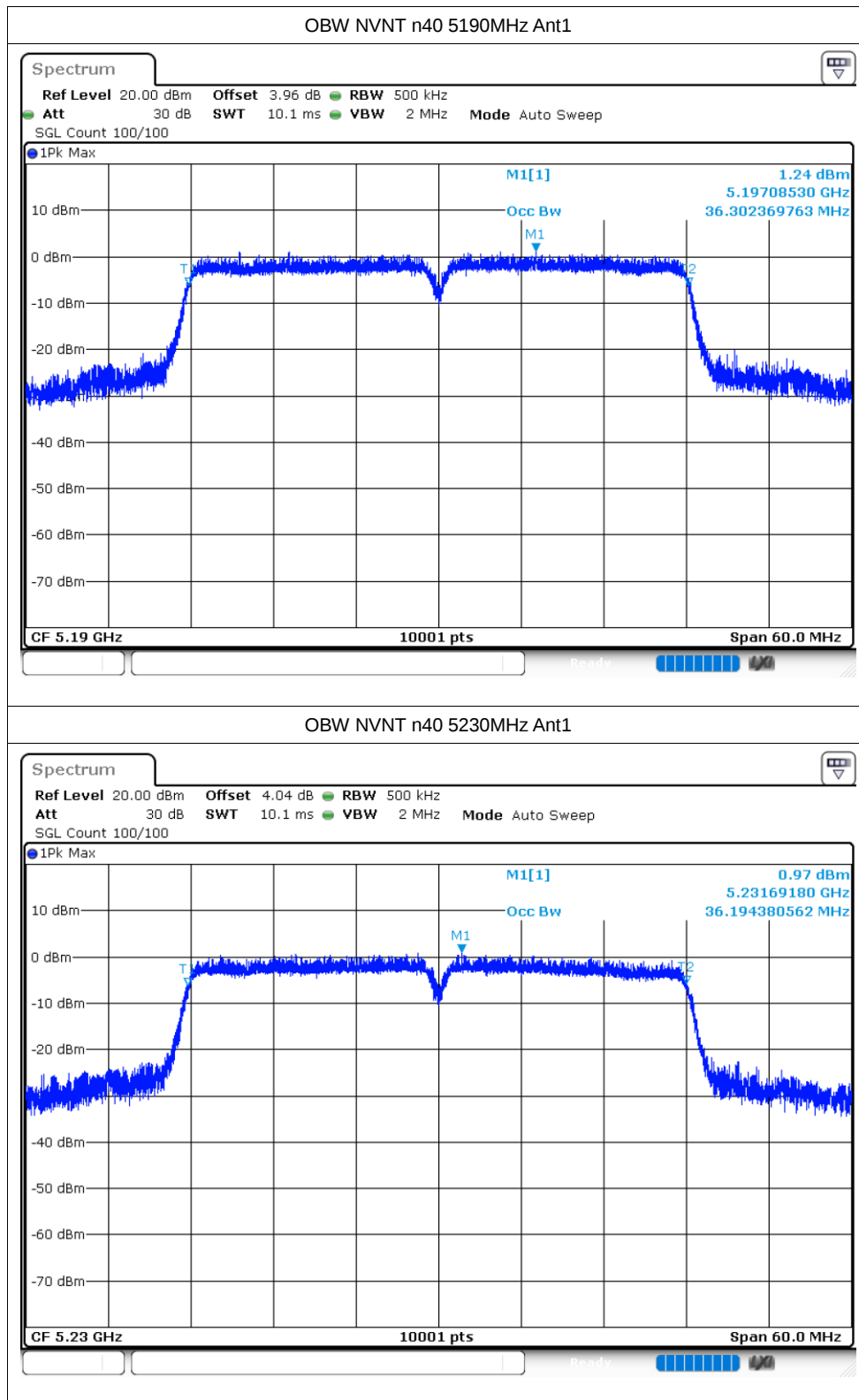


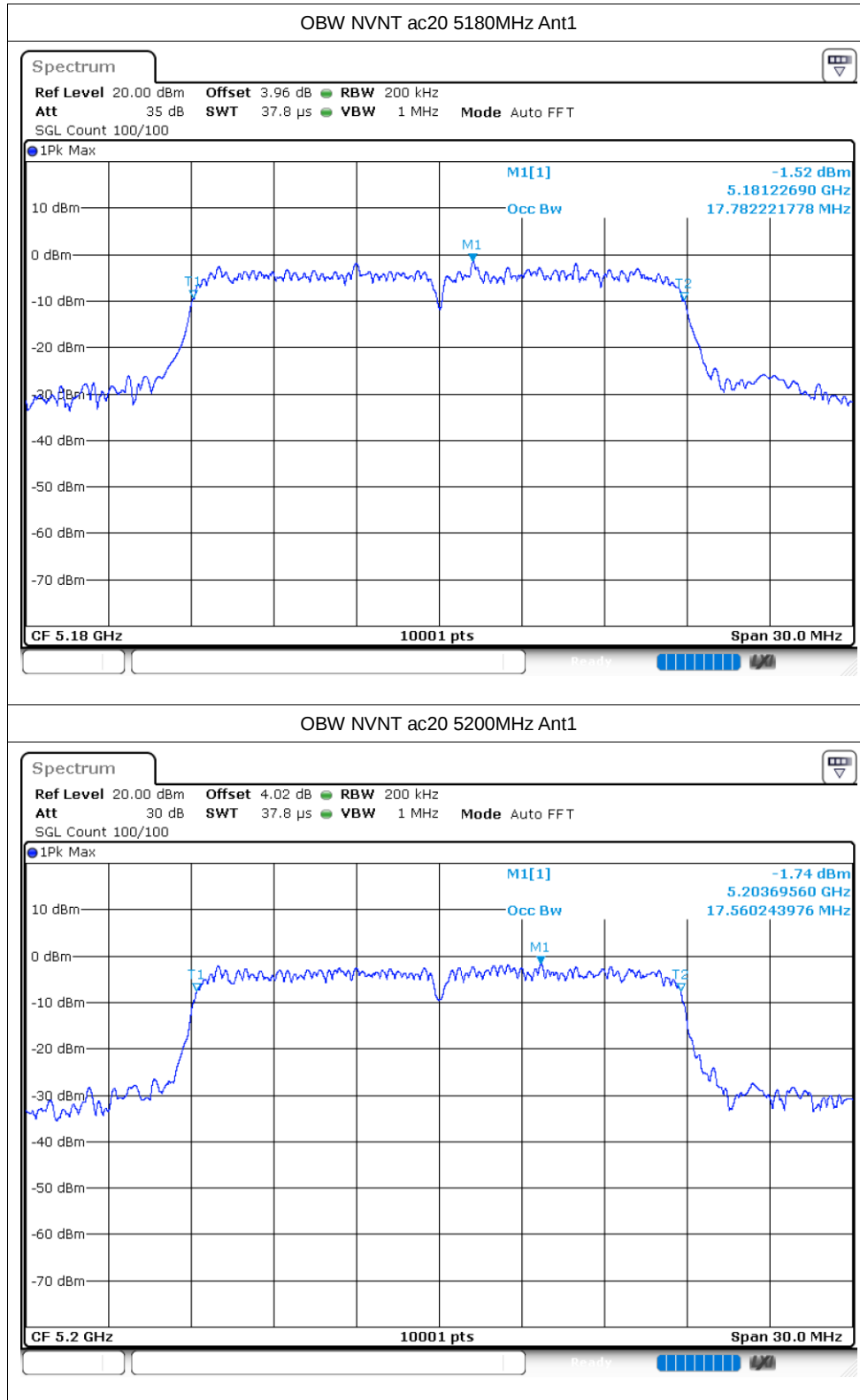
OBW NVNT a 5200MHz Ant1

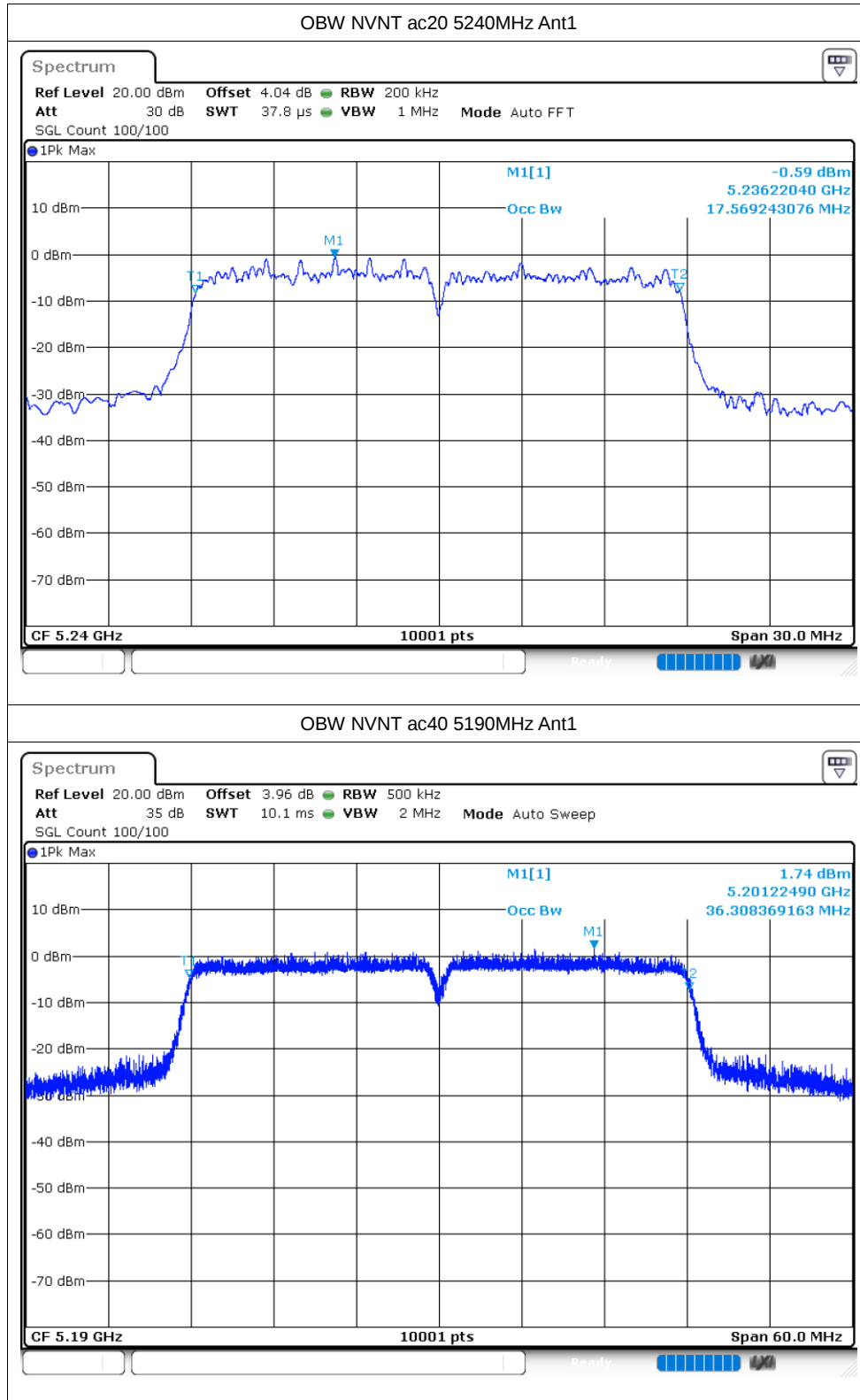


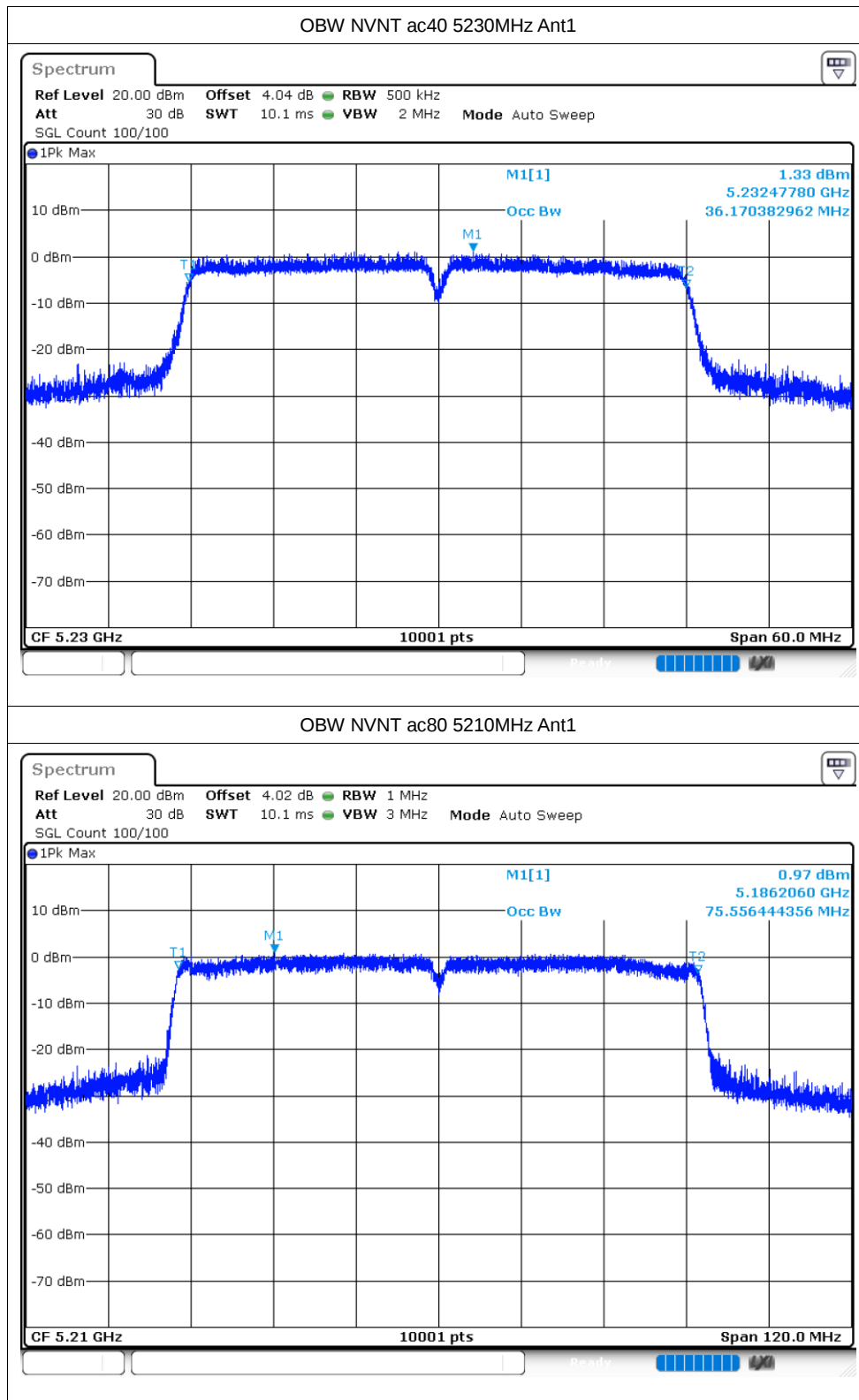










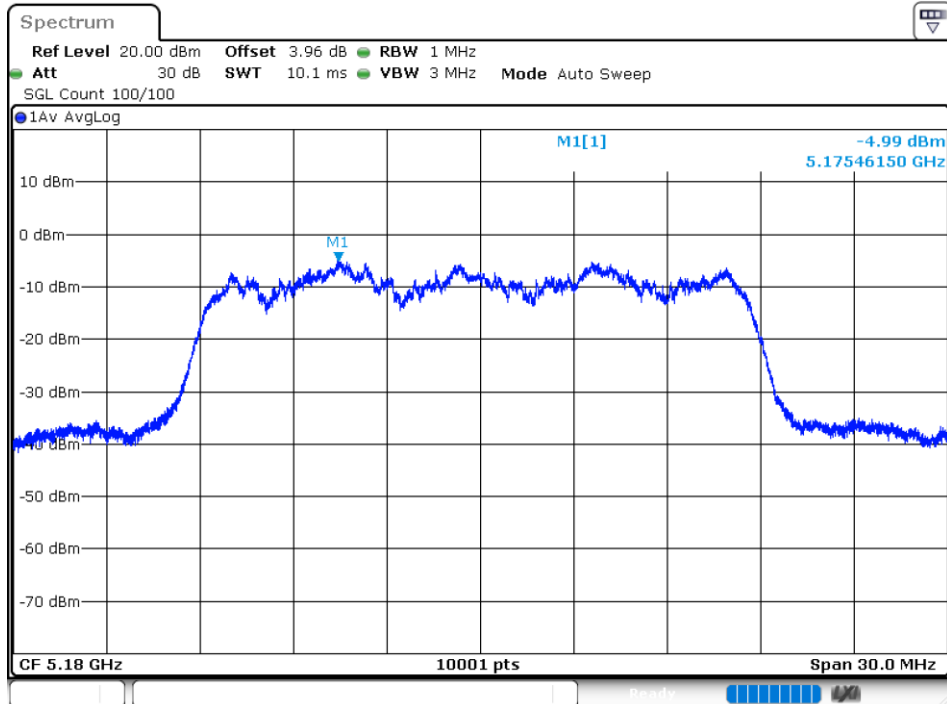


Maximum Power Spectral Density Level

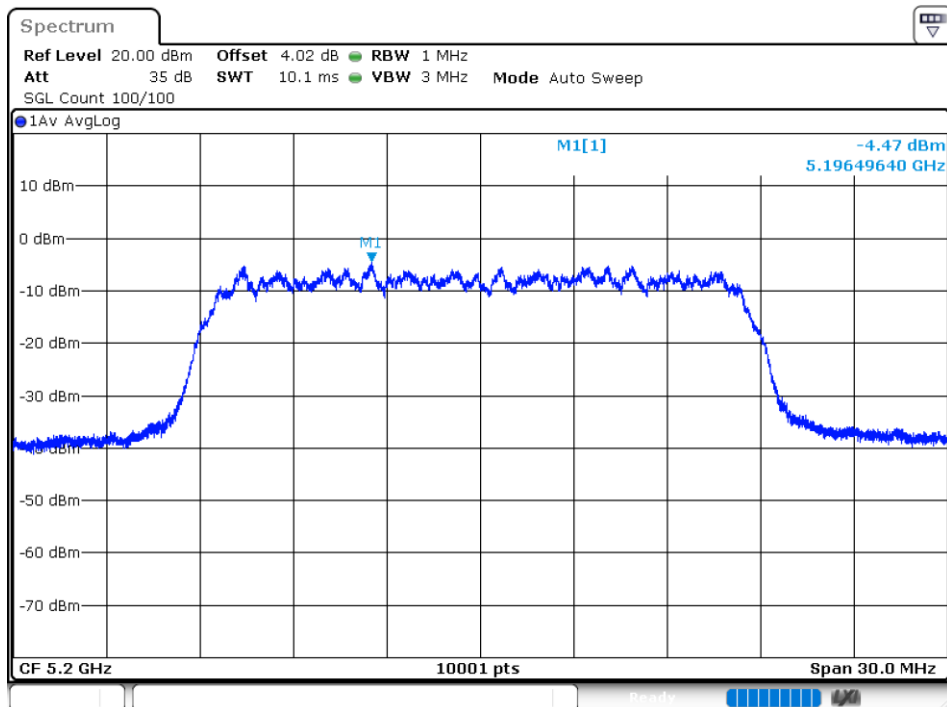
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-4.99	0.46	-4.53	11	Pass
NVNT	a	5200	Ant1	-4.47	0.44	-4.03	11	Pass
NVNT	a	5240	Ant1	-5.36	0.42	-4.94	11	Pass
NVNT	n20	5180	Ant1	-6.45	0.5	-5.95	11	Pass
NVNT	n20	5200	Ant1	-4.42	0.5	-3.92	11	Pass
NVNT	n20	5240	Ant1	-5.41	0.5	-4.91	11	Pass
NVNT	n40	5190	Ant1	-12.5	0.93	-11.57	11	Pass
NVNT	n40	5230	Ant1	-12.59	0.92	-11.67	11	Pass
NVNT	ac20	5180	Ant1	-6.91	0.52	-6.39	11	Pass
NVNT	ac20	5200	Ant1	-5.89	0.49	-5.4	11	Pass
NVNT	ac20	5240	Ant1	-6.25	0.5	-5.75	11	Pass
NVNT	ac40	5190	Ant1	-12.19	0.94	-11.25	11	Pass
NVNT	ac40	5230	Ant1	-11.14	0.93	-10.21	11	Pass
NVNT	ac80	5210	Ant1	-17.39	1.64	-15.75	11	Pass

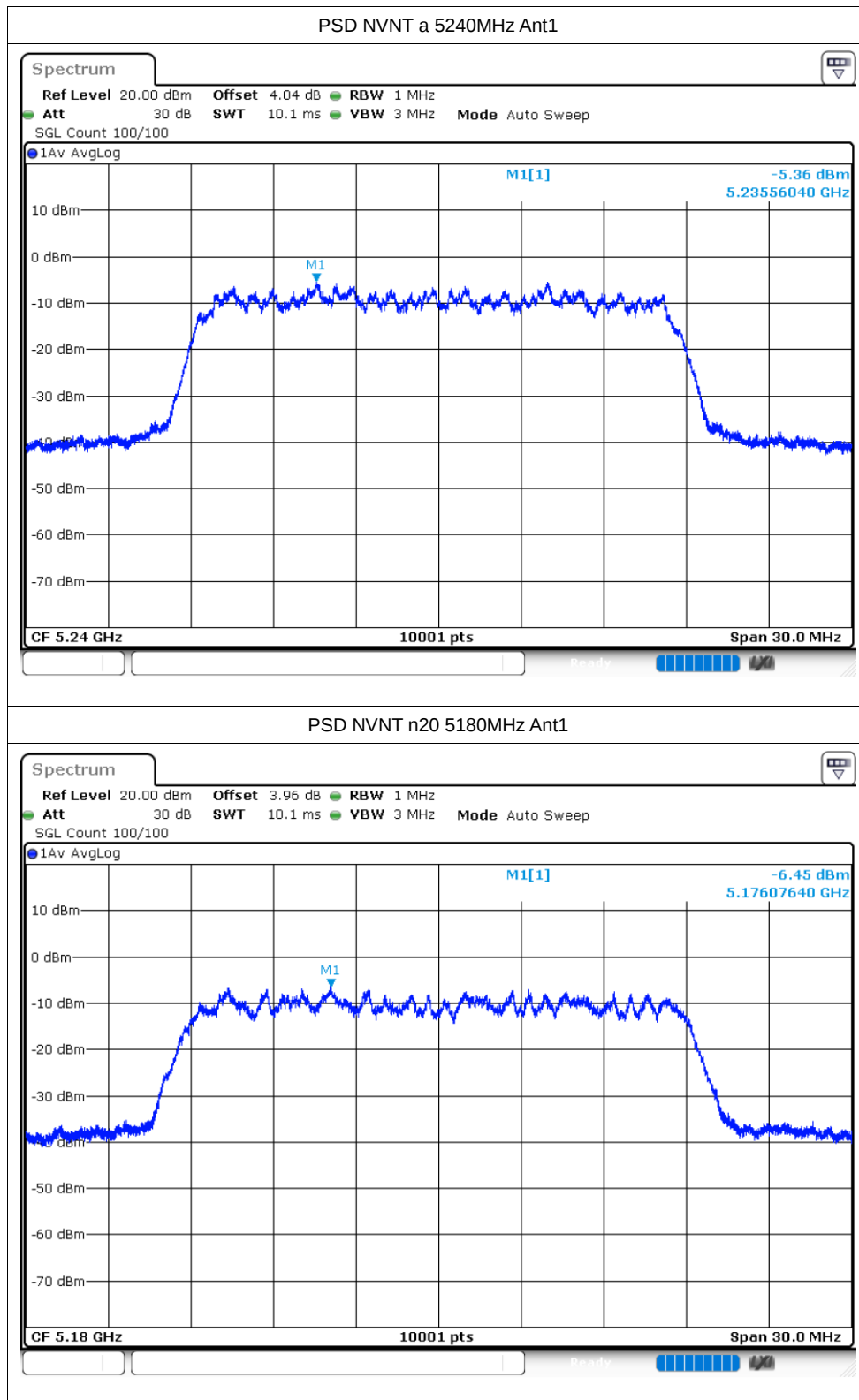
Test Graphs

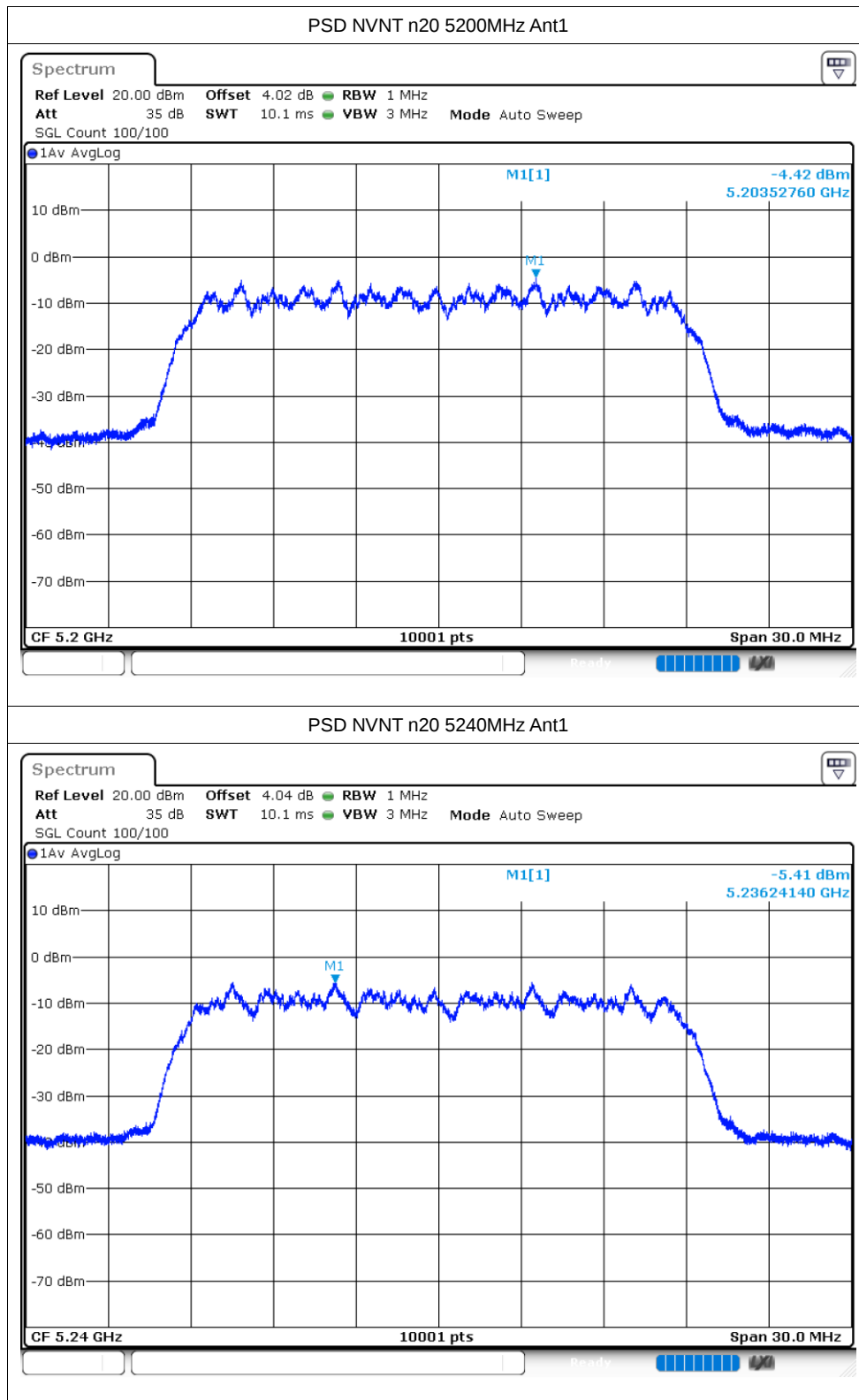
PSD NVNT a 5180MHz Ant1

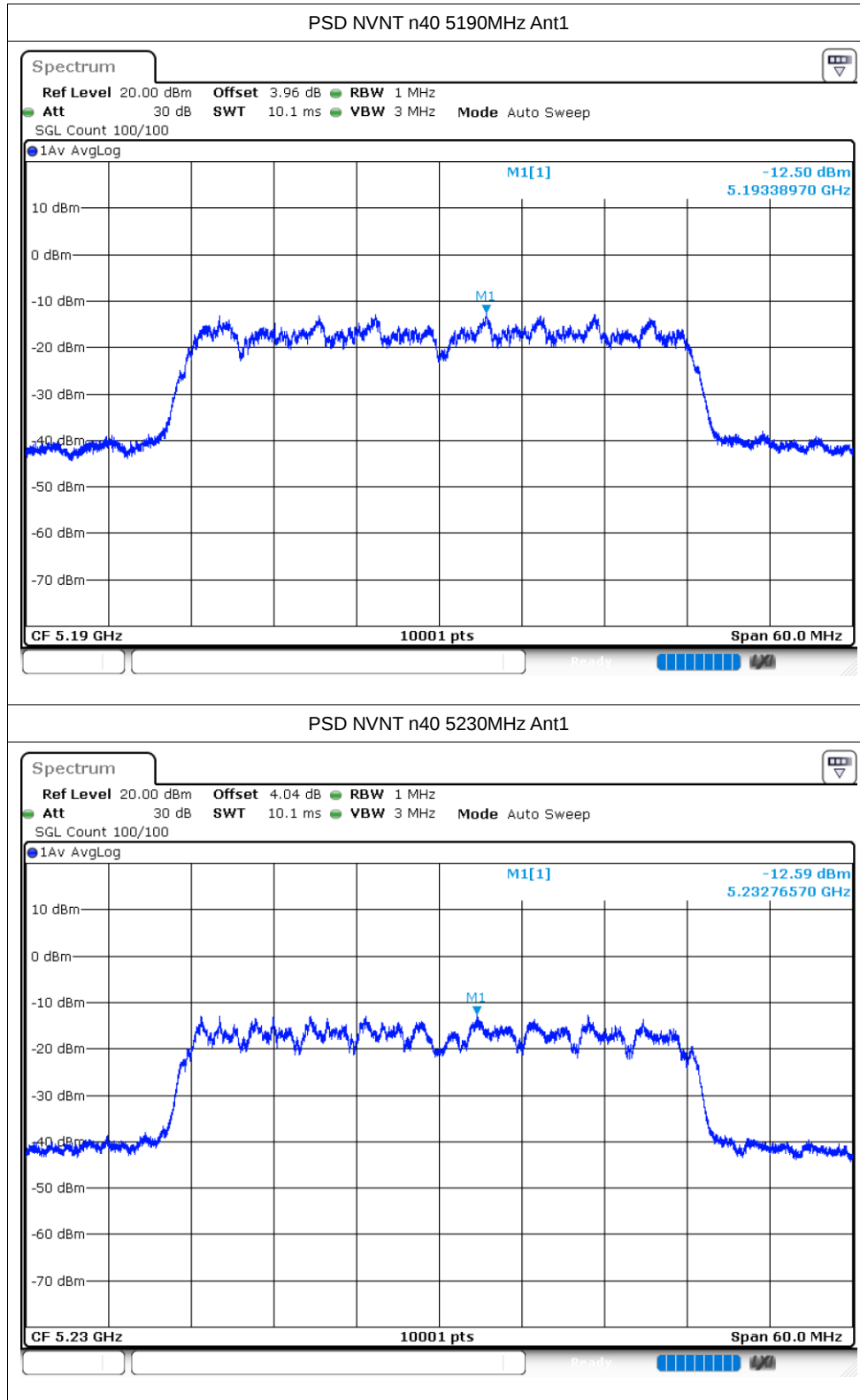


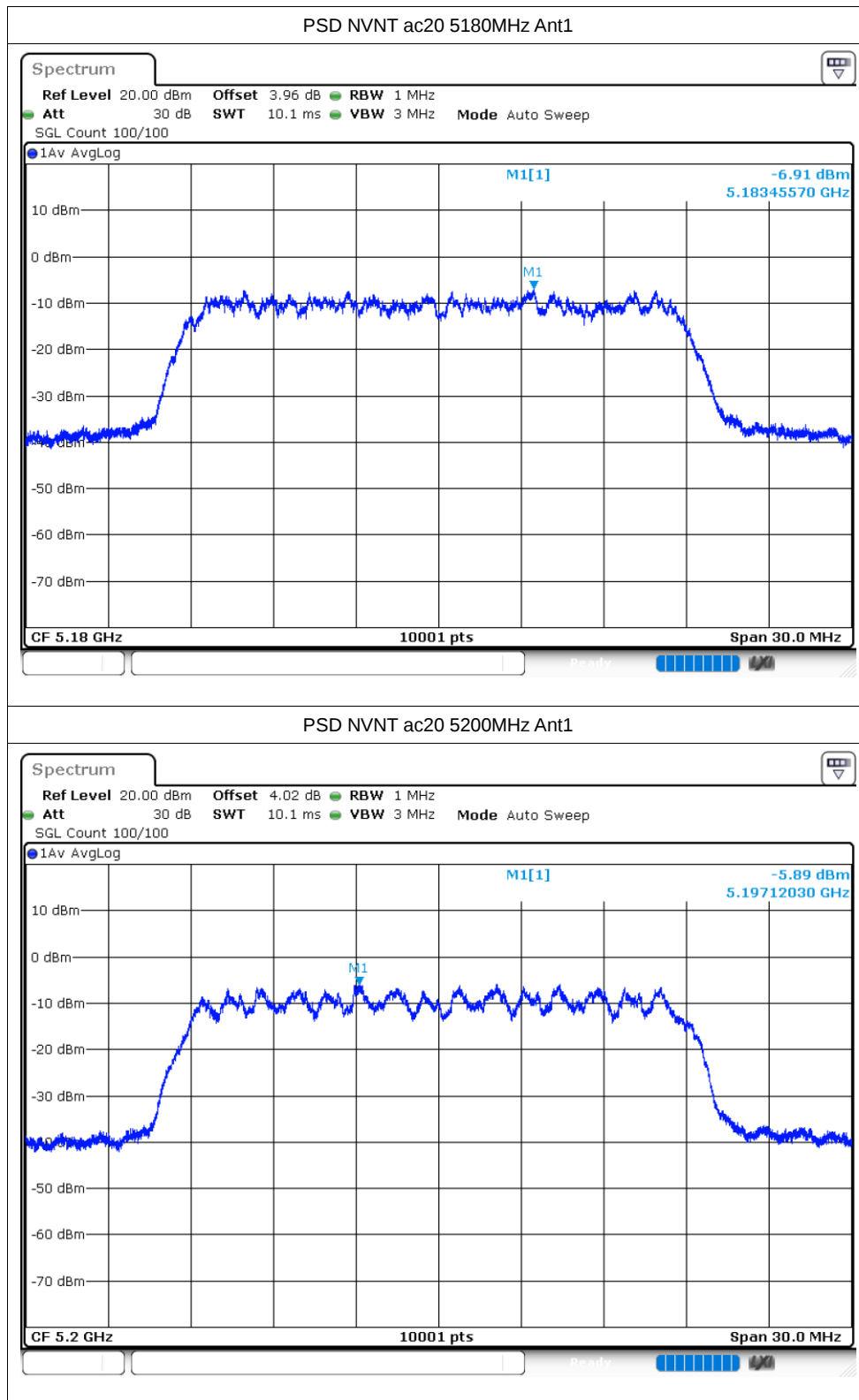
PSD NVNT a 5200MHz Ant1

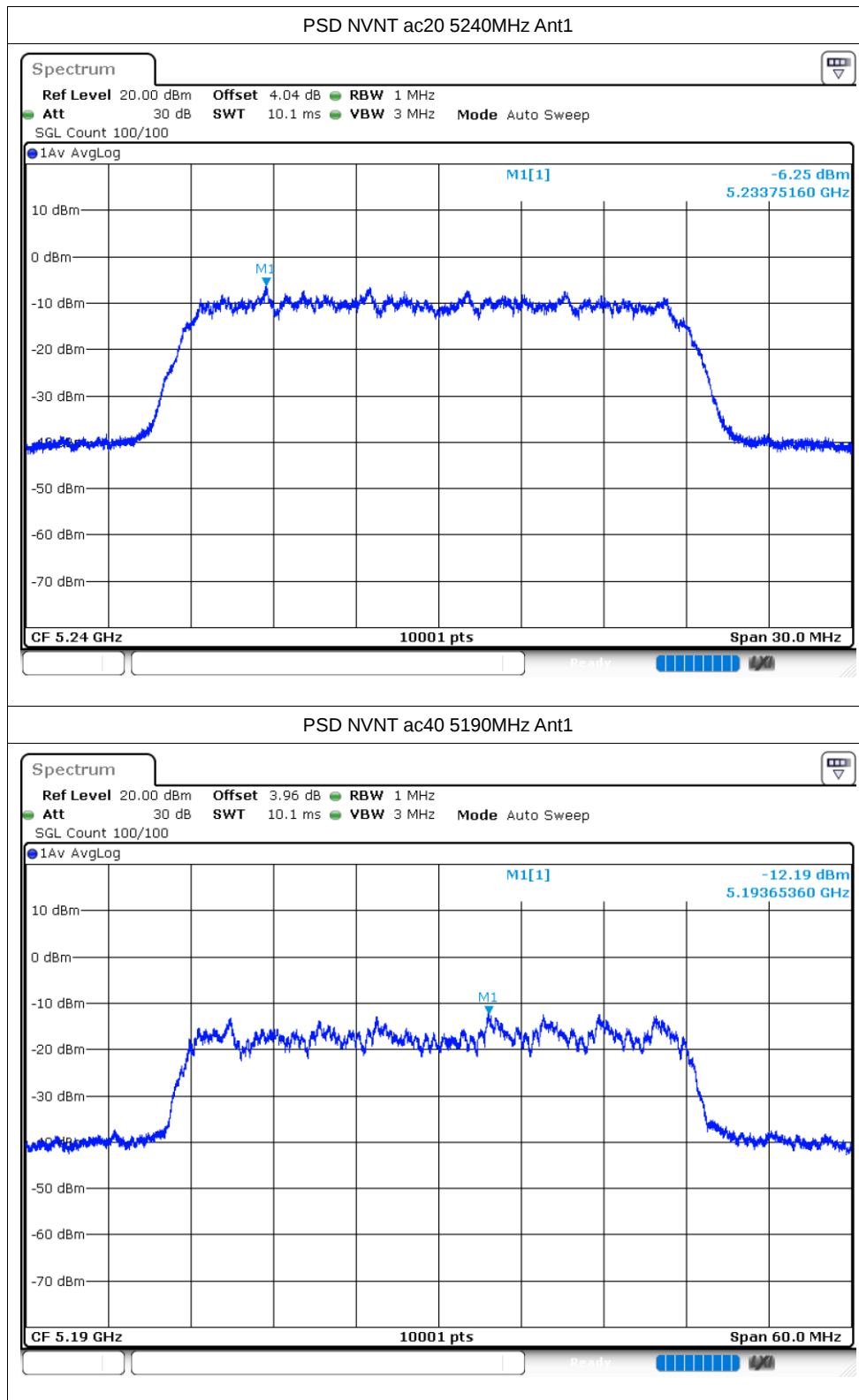


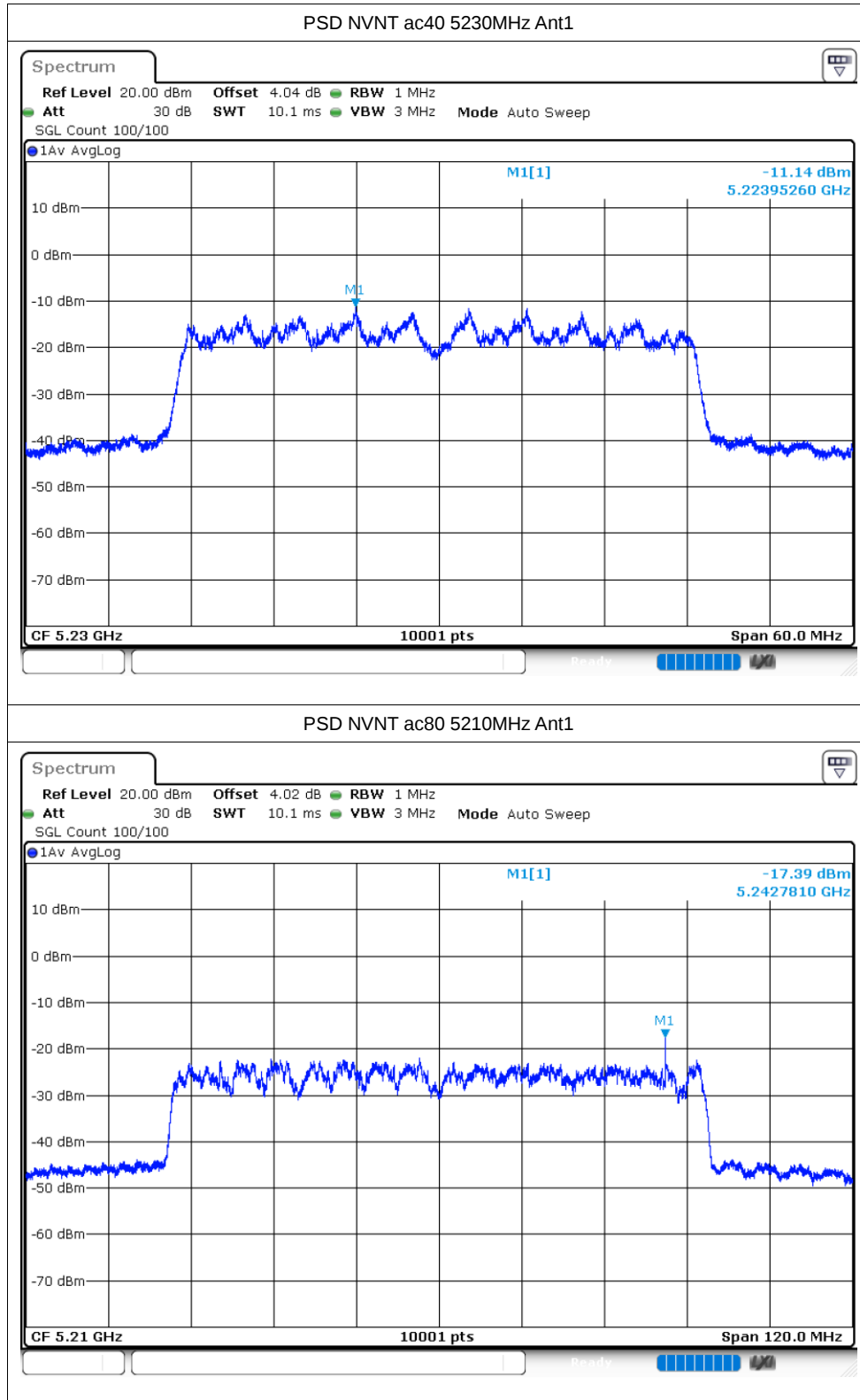










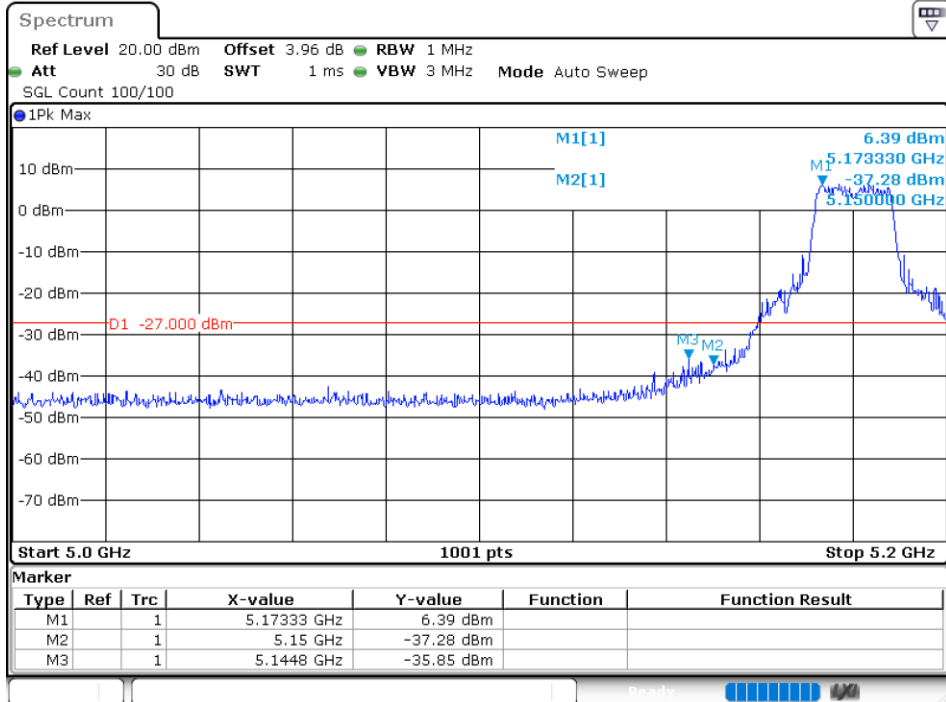


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.84	-27	Pass
NVNT	a	5240	Ant1	-42.91	-27	Pass
NVNT	n20	5180	Ant1	-35.3	-27	Pass
NVNT	n20	5240	Ant1	-43.51	-27	Pass
NVNT	n40	5190	Ant1	-29.13	-27	Pass
NVNT	n40	5230	Ant1	-43.85	-27	Pass
NVNT	ac20	5180	Ant1	-36.66	-27	Pass
NVNT	ac20	5240	Ant1	-41.9	-27	Pass
NVNT	ac40	5190	Ant1	-27.99	-27	Pass
NVNT	ac40	5230	Ant1	-42.56	-27	Pass
NVNT	ac80	5210	Ant1	-41.61	-27	Pass

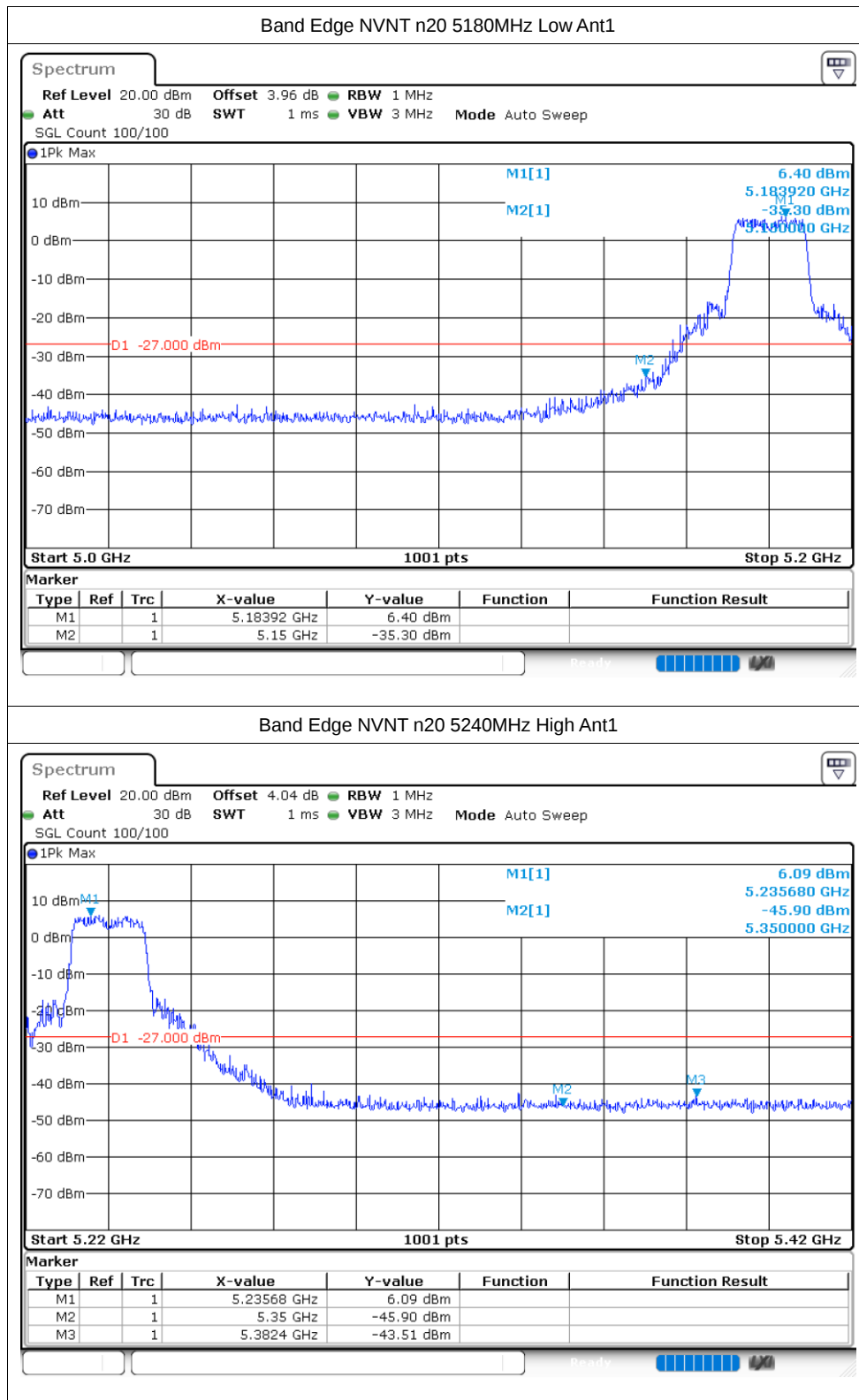
Test Graphs

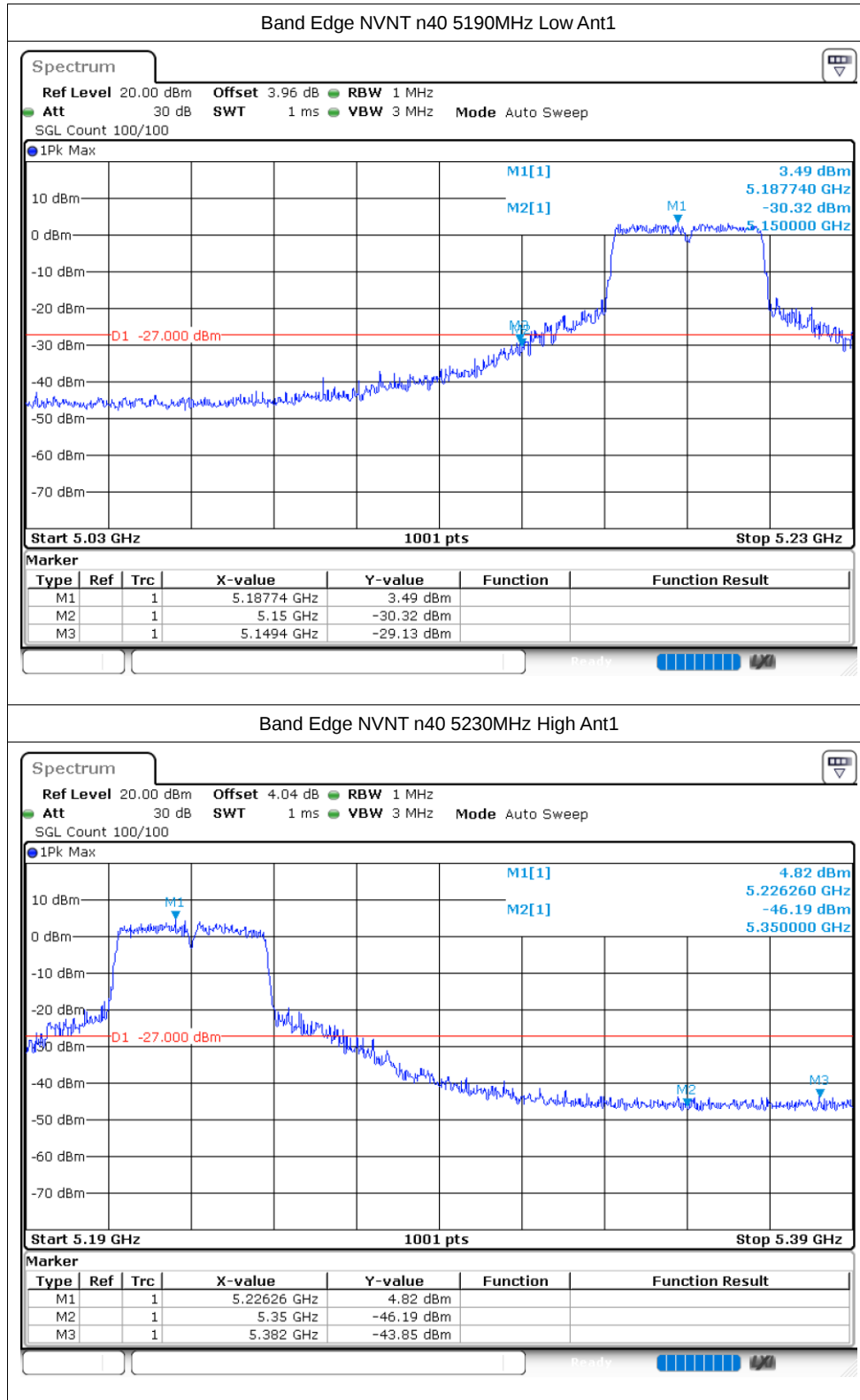
Band Edge NVNT a 5180MHz Low Ant1

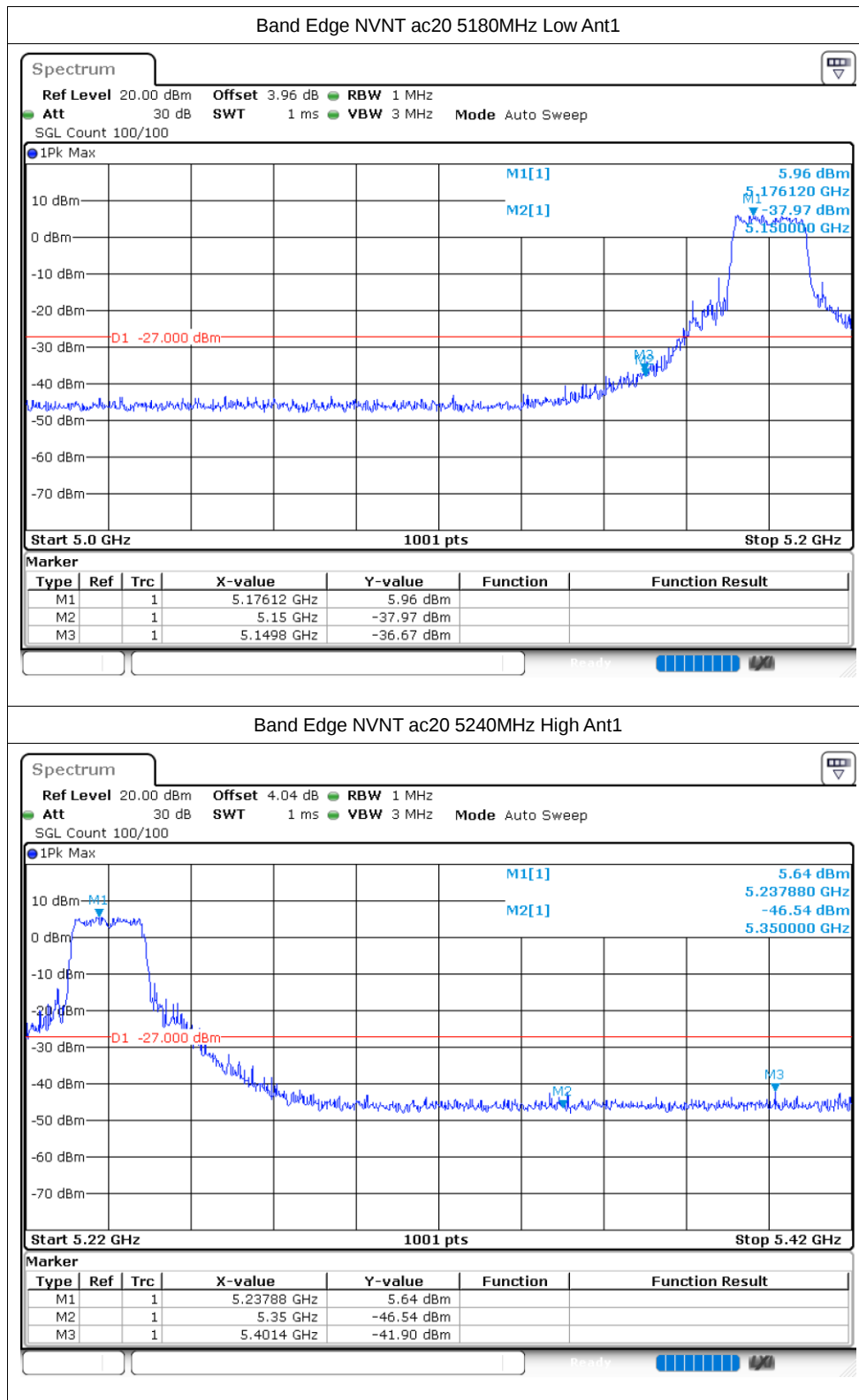


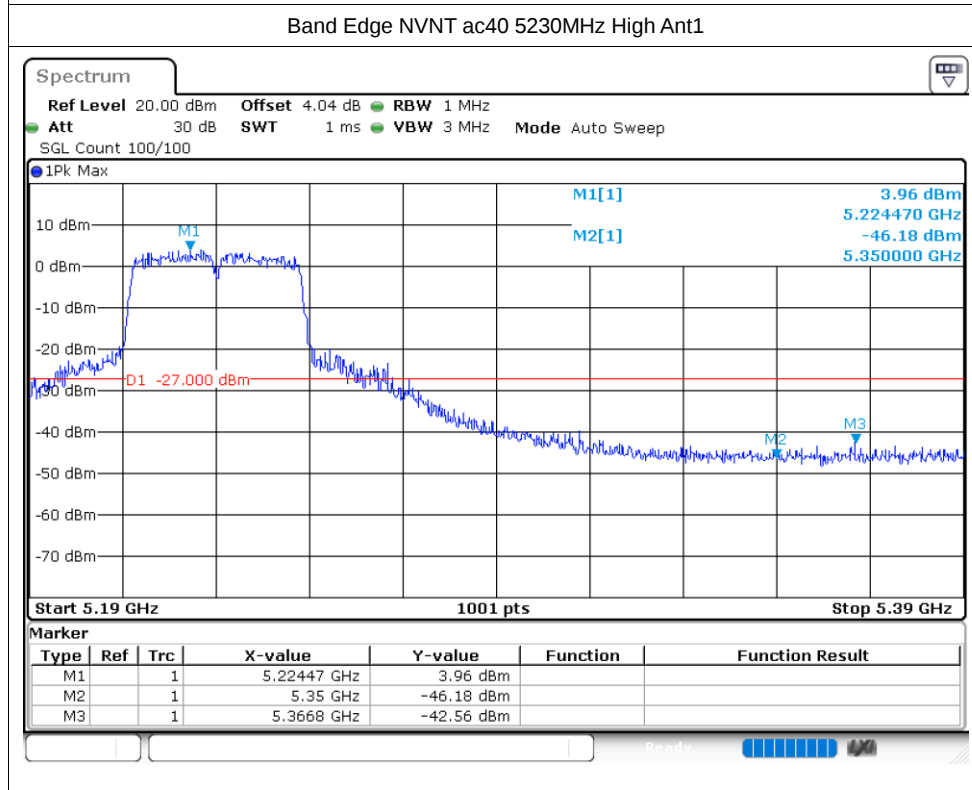
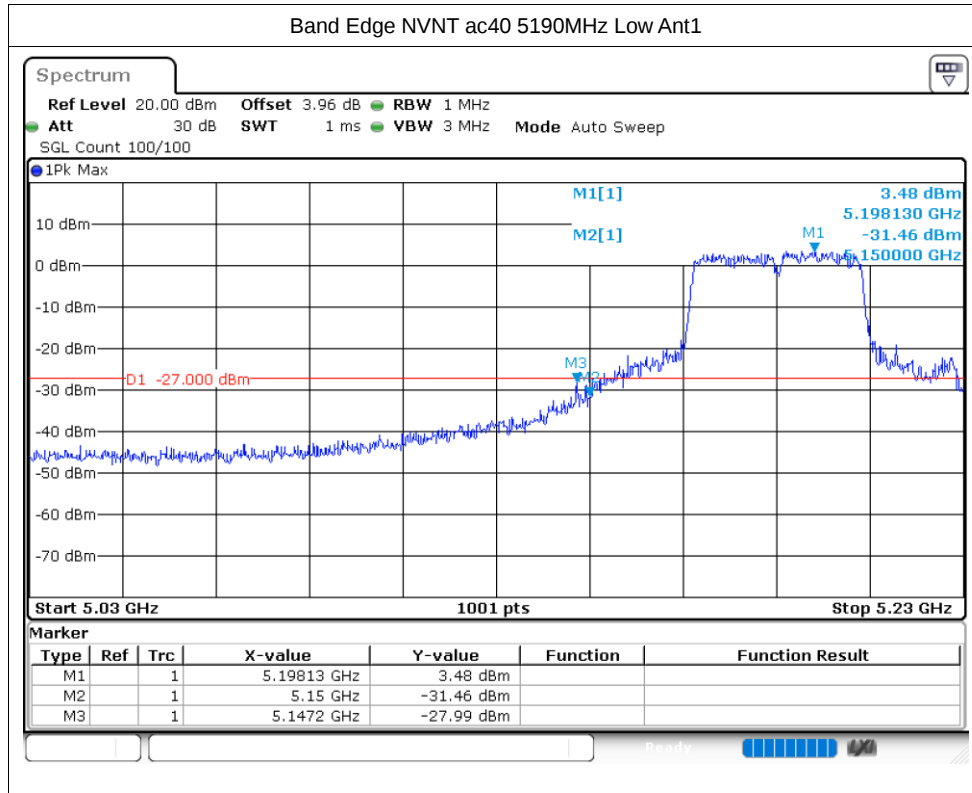
Band Edge NVNT a 5240MHz High Ant1

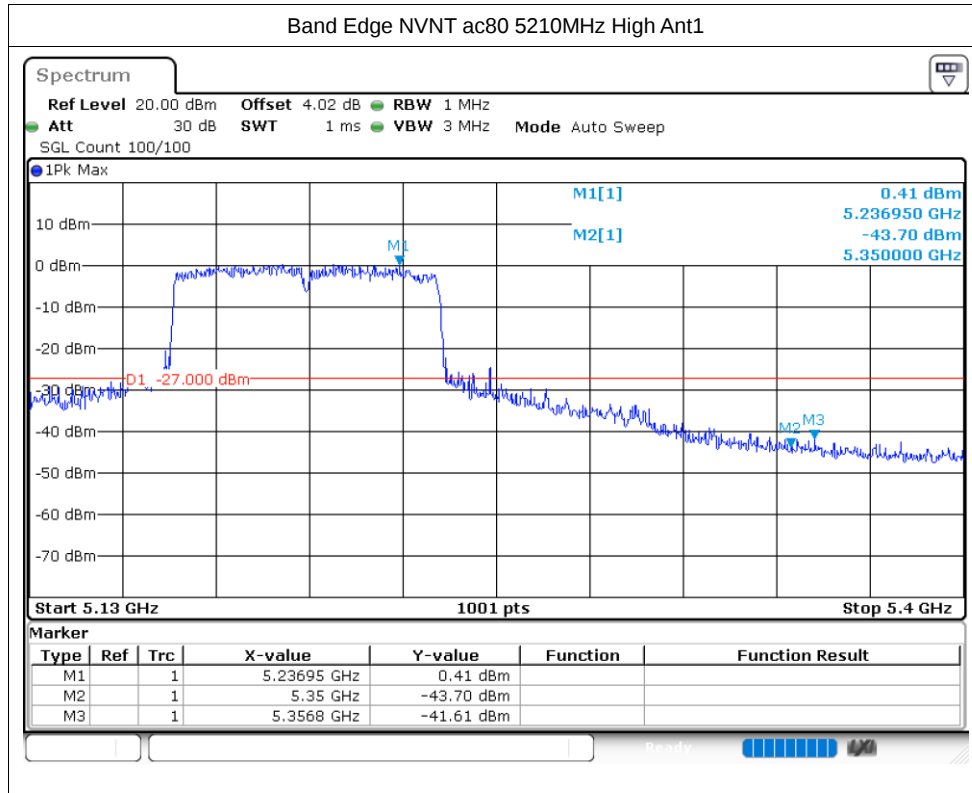












Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.68	-27	Pass
NVNT	a	5200	Ant1	-34.45	-27	Pass
NVNT	a	5240	Ant1	-34.68	-27	Pass
NVNT	n20	5180	Ant1	-34.63	-27	Pass
NVNT	n20	5200	Ant1	-34.06	-27	Pass
NVNT	n20	5240	Ant1	-33.89	-27	Pass
NVNT	n40	5190	Ant1	-34.32	-27	Pass
NVNT	n40	5230	Ant1	-34.45	-27	Pass
NVNT	ac20	5180	Ant1	-34.99	-27	Pass
NVNT	ac20	5200	Ant1	-34.68	-27	Pass
NVNT	ac20	5240	Ant1	-34.92	-27	Pass
NVNT	ac40	5190	Ant1	-34.45	-27	Pass
NVNT	ac40	5230	Ant1	-33.97	-27	Pass
NVNT	ac80	5210	Ant1	-34.11	-27	Pass

