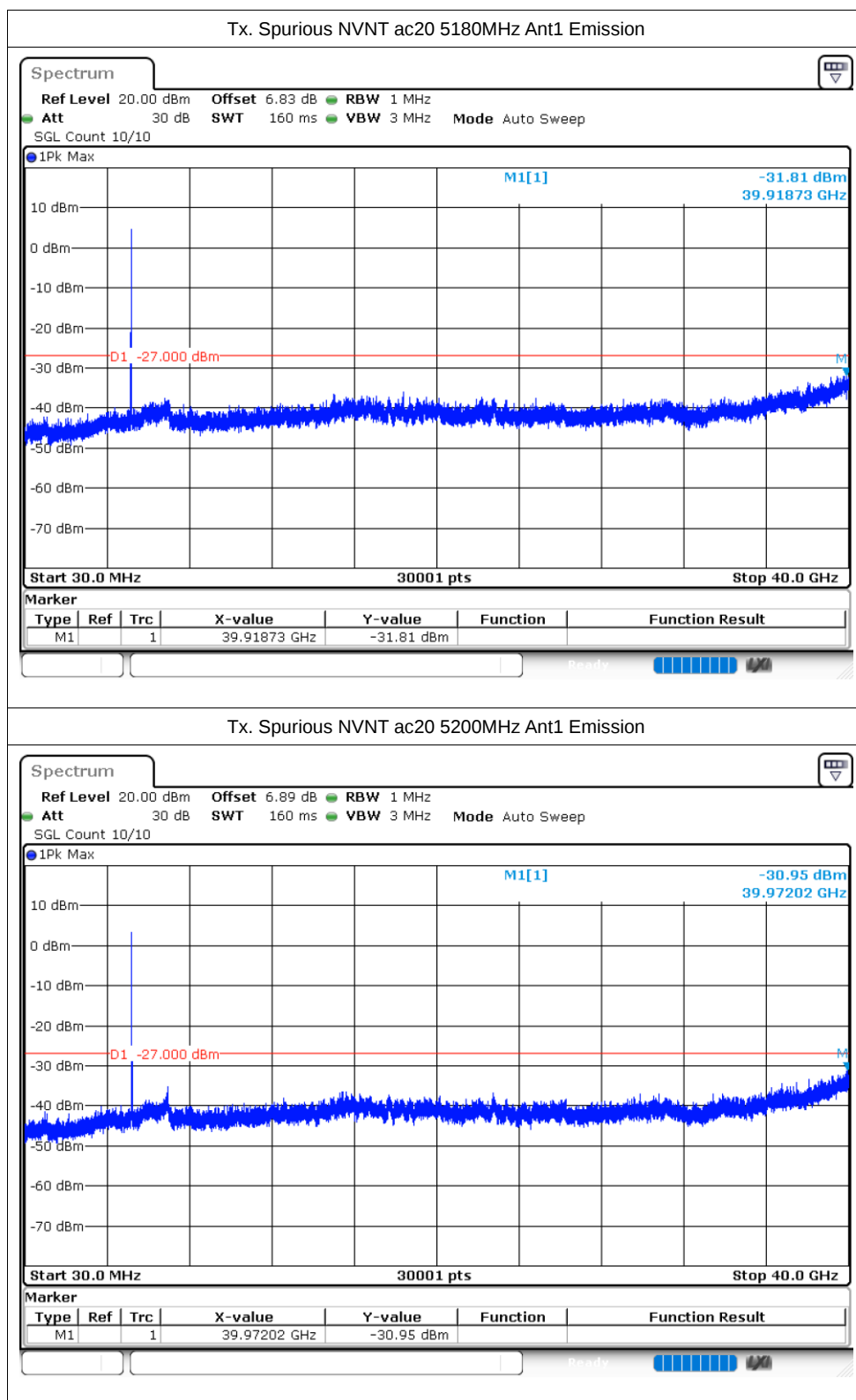
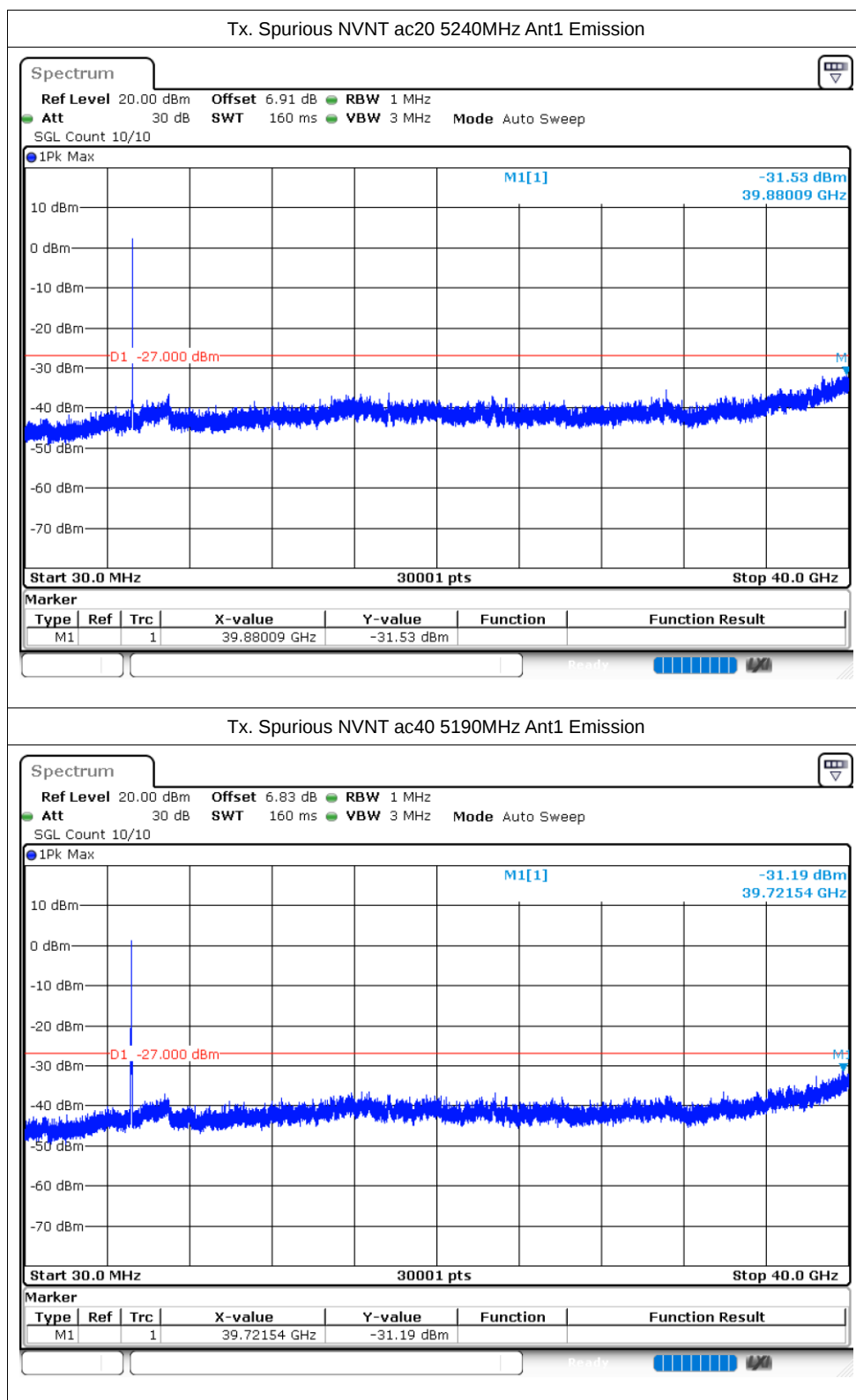
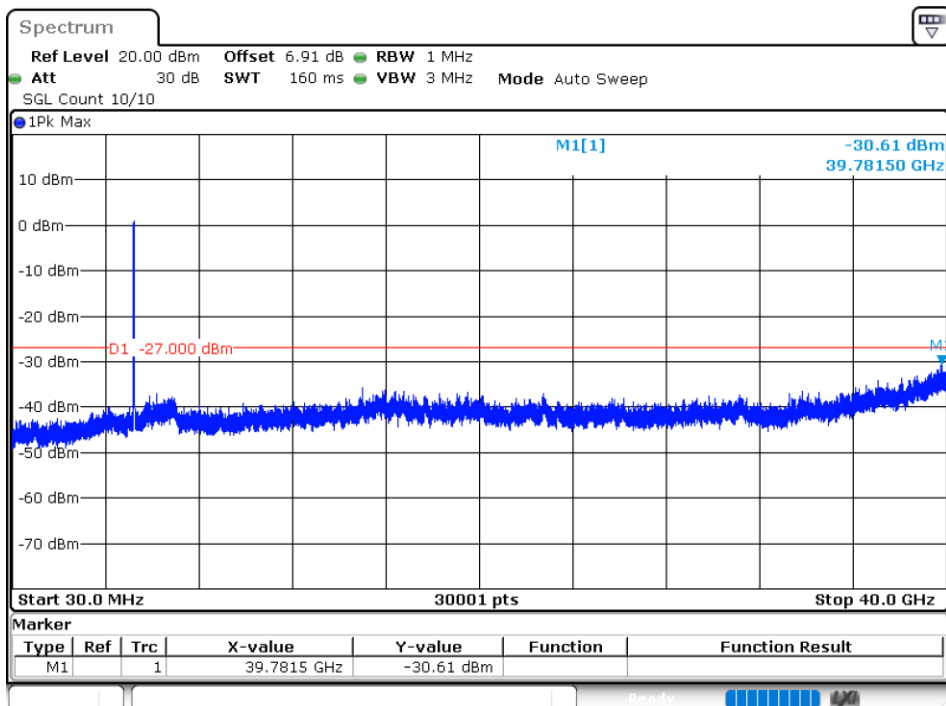


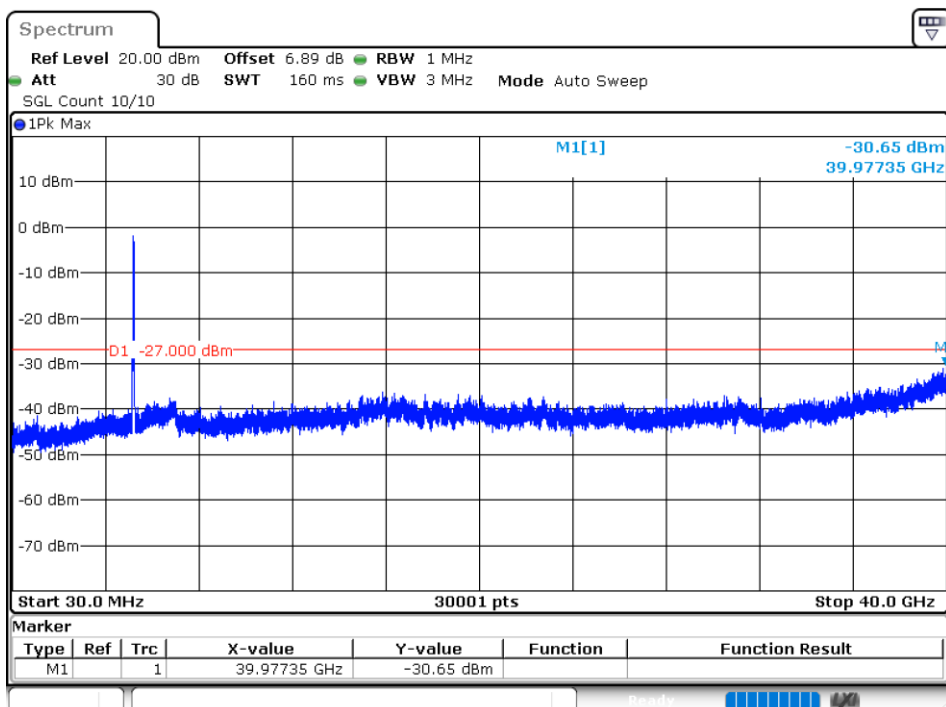




Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



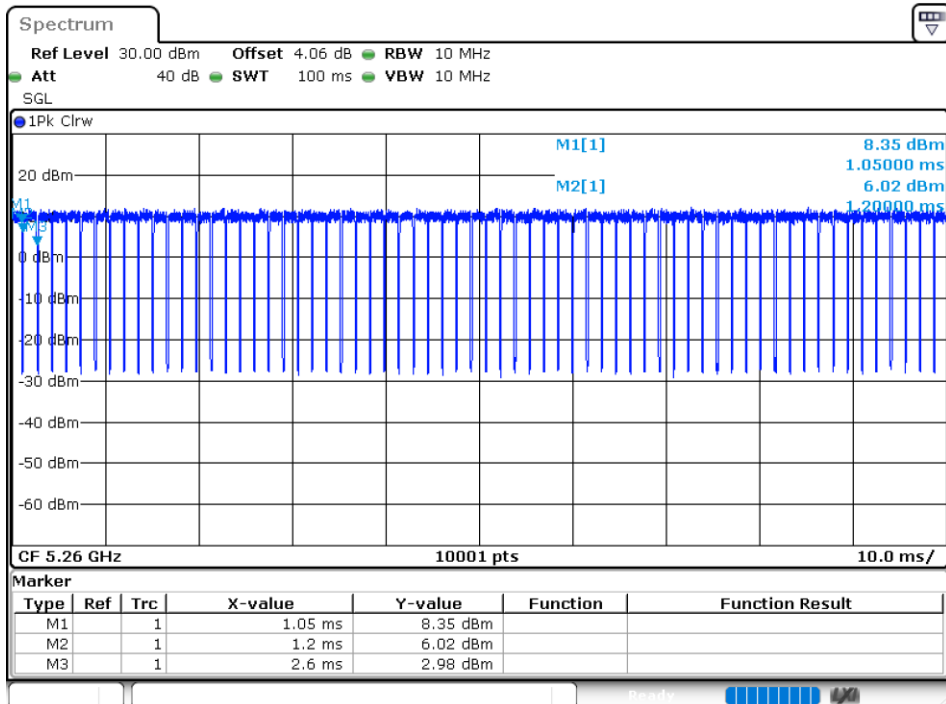
5.3G WIFI

Duty Cycle

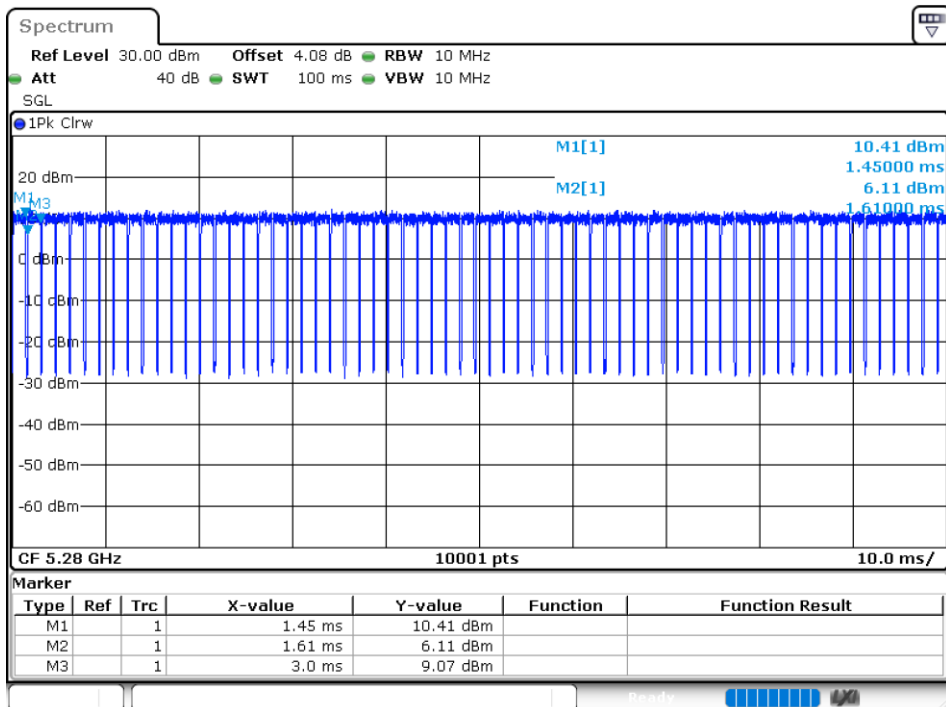
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	90.58	0.43	0.71
NVNT	a	5280	Ant1	90.62	0.43	0.72
NVNT	a	5320	Ant1	90.51	0.43	0.71
NVNT	n20	5260	Ant1	89.05	0.5	0.85
NVNT	n20	5280	Ant1	88.95	0.51	0.85
NVNT	n20	5320	Ant1	89	0.51	0.85
NVNT	n40	5270	Ant1	79.47	1	1.72
NVNT	n40	5310	Ant1	80.81	0.93	1.69
NVNT	ac20	5260	Ant1	89.01	0.51	0.85
NVNT	ac20	5280	Ant1	88.57	0.53	0.84
NVNT	ac20	5320	Ant1	89.05	0.5	0.85
NVNT	ac40	5270	Ant1	78.69	1.04	1.69
NVNT	ac40	5310	Ant1	80.33	0.95	1.69
NVNT	ac80	5290	Ant1	65.93	1.81	3.57

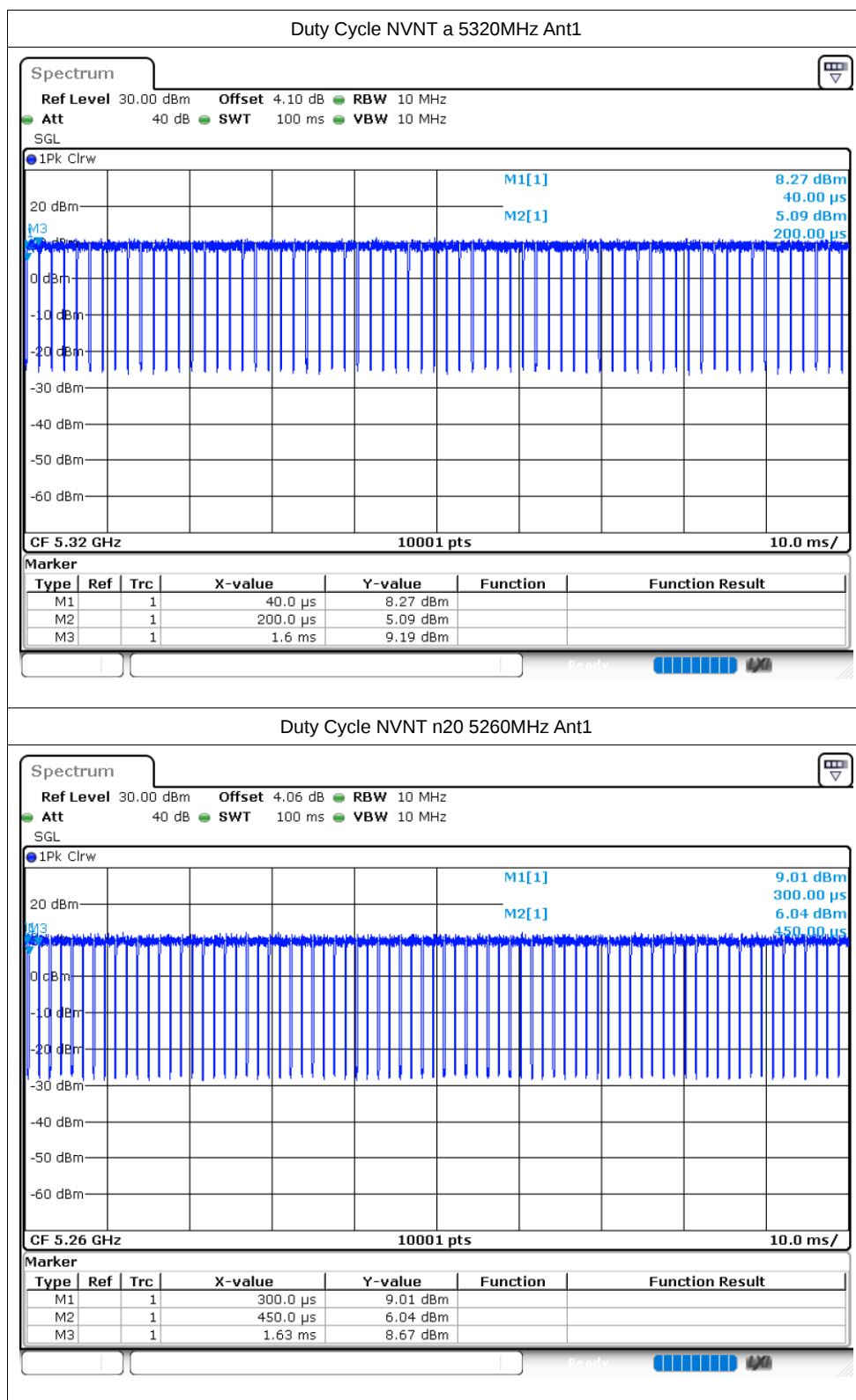
Test Graphs

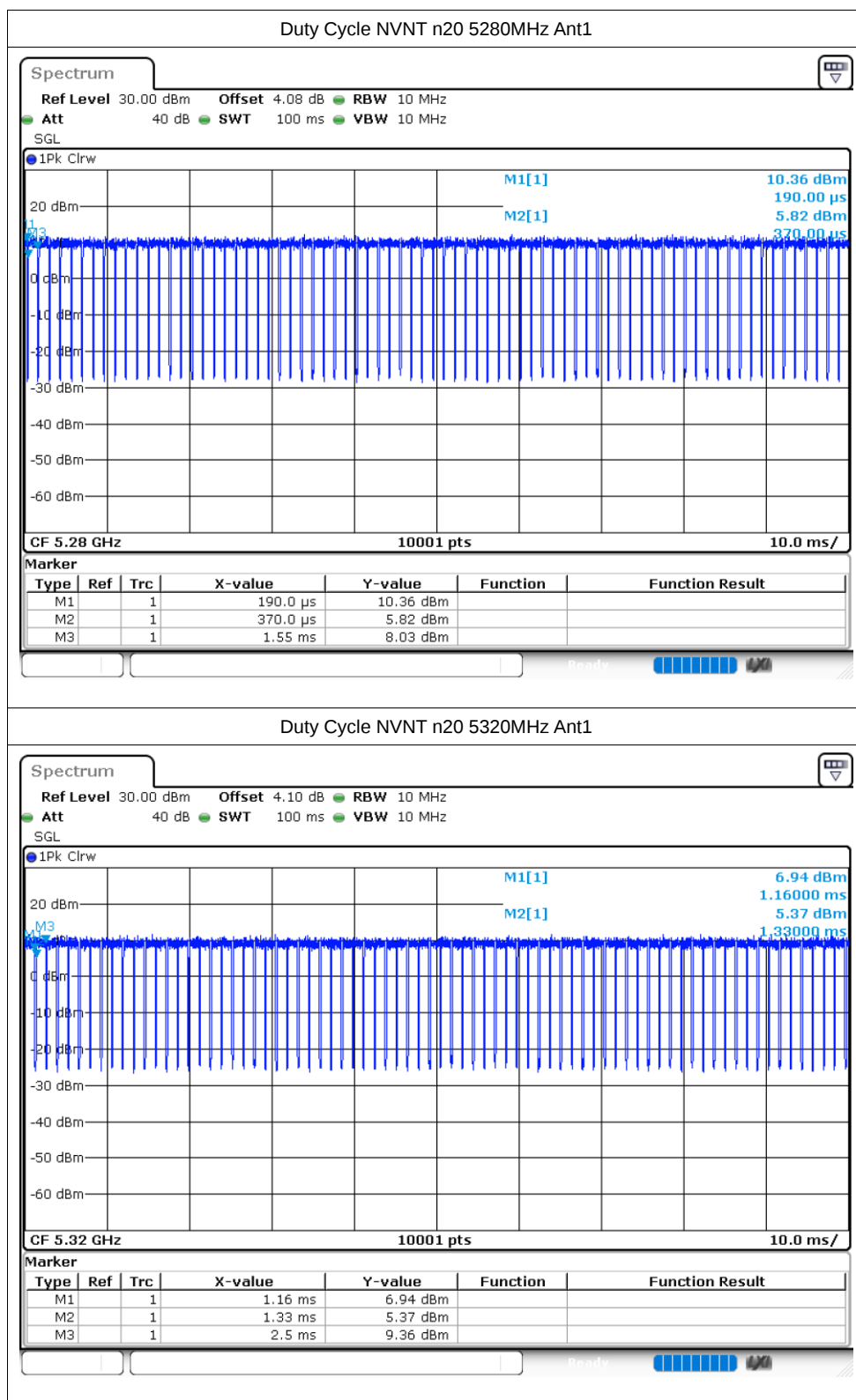
Duty Cycle NVNT a 5260MHz Ant1



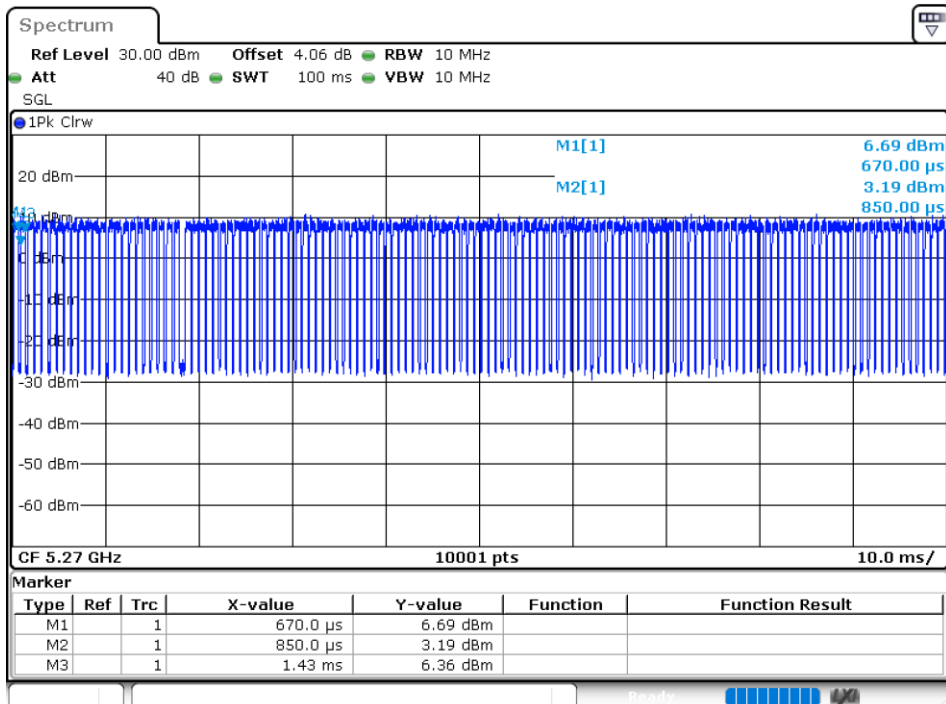
Duty Cycle NVNT a 5280MHz Ant1



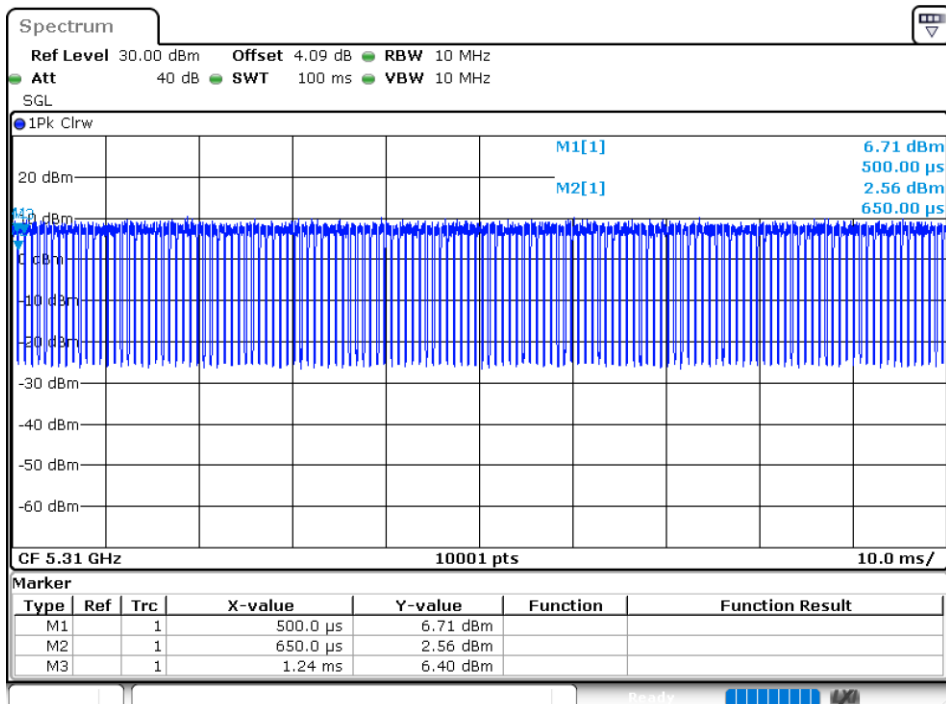


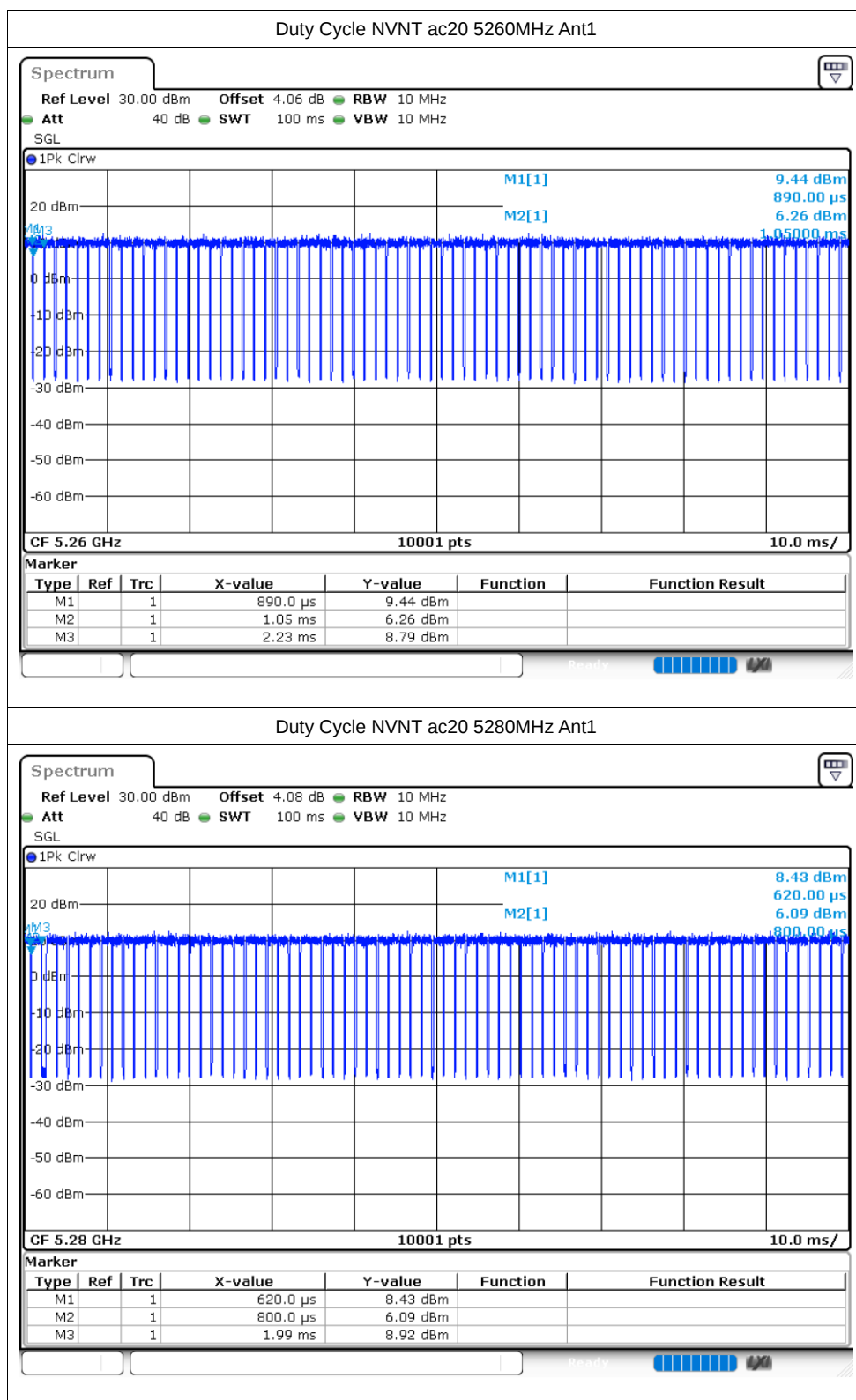


Duty Cycle NVNT n40 5270MHz Ant1

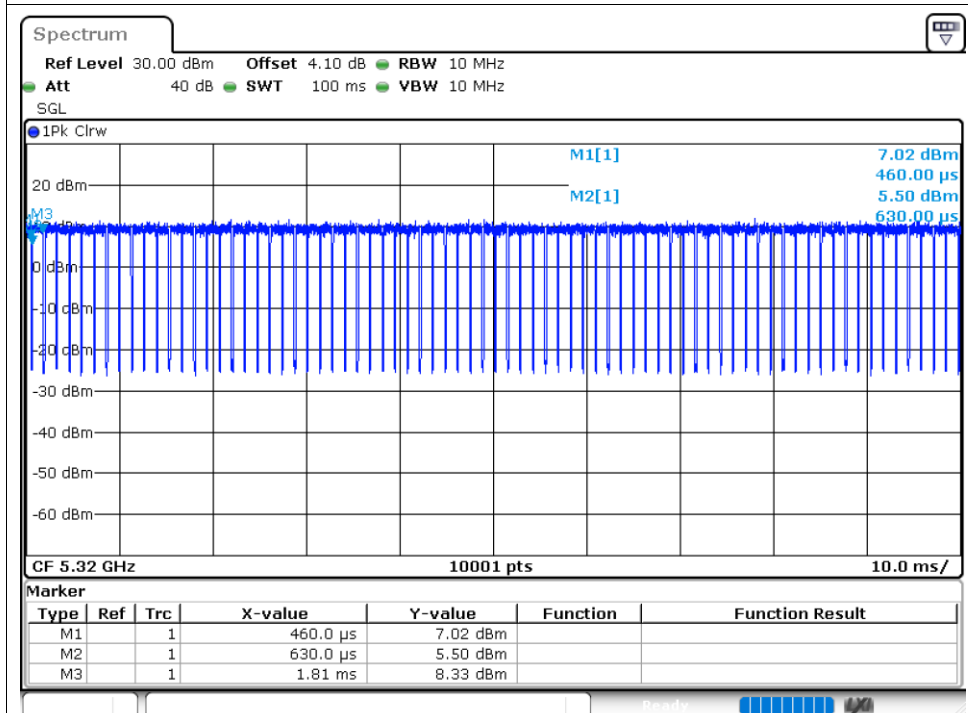


Duty Cycle NVNT n40 5310MHz Ant1

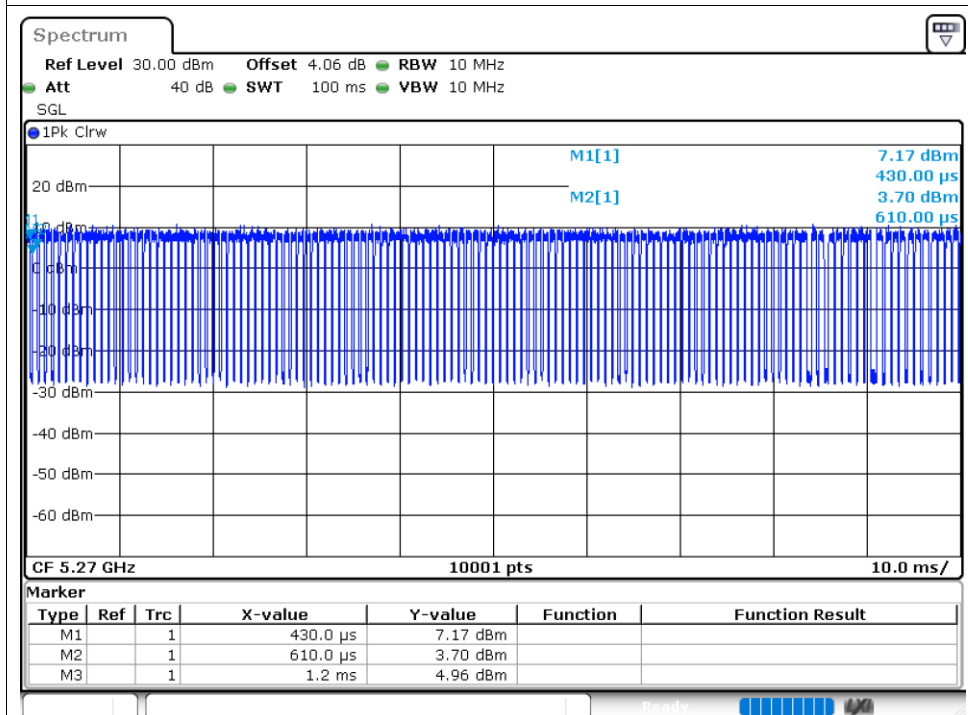


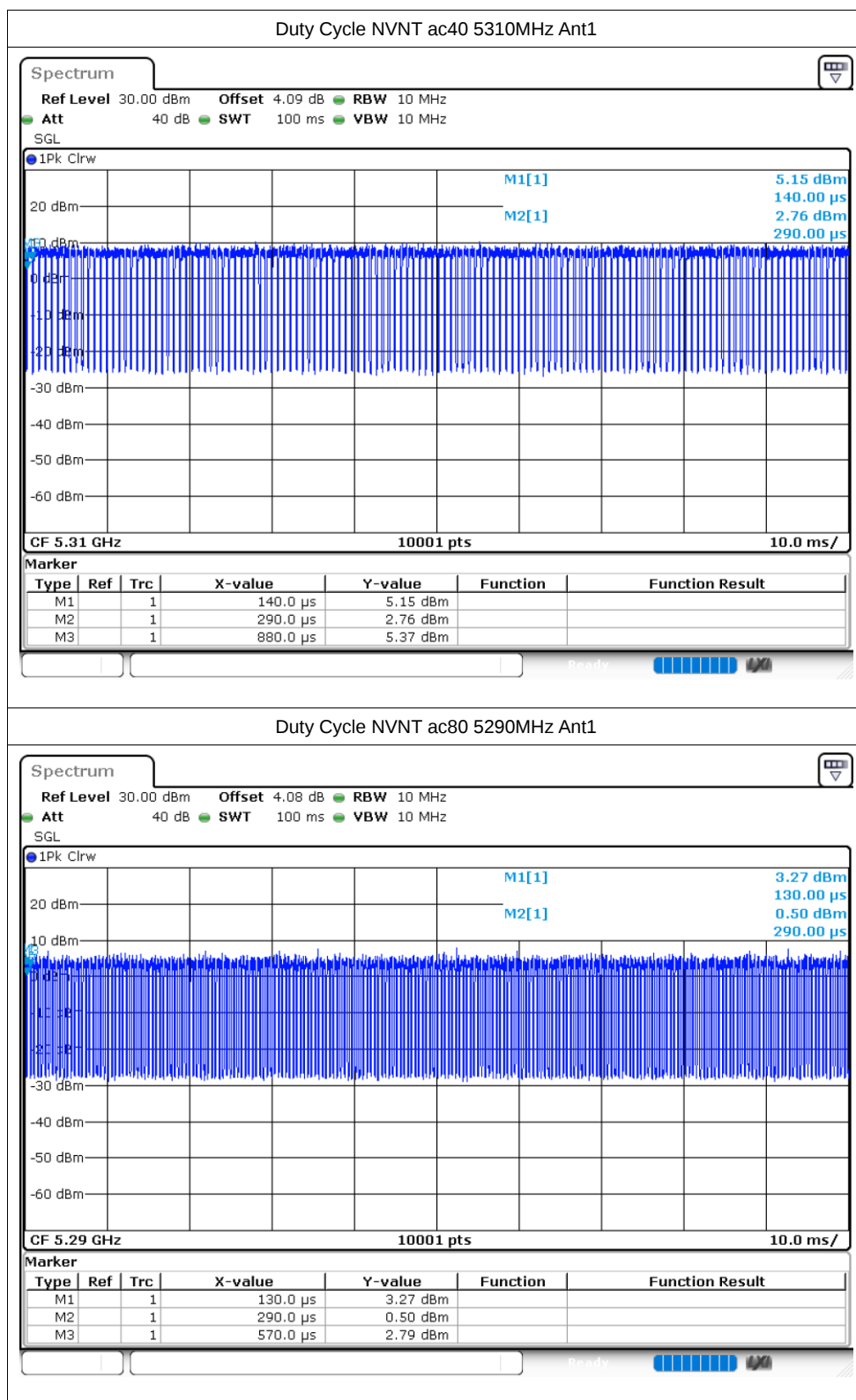


Duty Cycle NVNT ac20 5320MHz Ant1



Duty Cycle NVNT ac40 5270MHz Ant1





Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	6.19	24	Pass
NVNT	a	5280	Ant1	5.88	24	Pass
NVNT	a	5320	Ant1	5.59	24	Pass
NVNT	n20	5260	Ant1	6.2	24	Pass
NVNT	n20	5280	Ant1	5.96	24	Pass
NVNT	n20	5320	Ant1	5.65	24	Pass
NVNT	n40	5270	Ant1	6.61	24	Pass
NVNT	n40	5310	Ant1	6.11	24	Pass
NVNT	ac20	5260	Ant1	6.3	24	Pass
NVNT	ac20	5280	Ant1	6.5	24	Pass
NVNT	ac20	5320	Ant1	5.72	24	Pass
NVNT	ac40	5270	Ant1	6.95	24	Pass
NVNT	ac40	5310	Ant1	6.23	24	Pass
NVNT	ac80	5290	Ant1	6.21	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	19.407	0.5	Pass
NVNT	a	5280	Ant1	24.789	0.5	Pass
NVNT	a	5320	Ant1	19.746	0.5	Pass
NVNT	n20	5260	Ant1	20.142	0.5	Pass
NVNT	n20	5280	Ant1	19.866	0.5	Pass
NVNT	n20	5320	Ant1	20.142	0.5	Pass
NVNT	n40	5270	Ant1	50.202	0.5	Pass
NVNT	n40	5310	Ant1	54.072	0.5	Pass
NVNT	ac20	5260	Ant1	19.878	0.5	Pass
NVNT	ac20	5280	Ant1	22.836	0.5	Pass
NVNT	ac20	5320	Ant1	25.125	0.5	Pass
NVNT	ac40	5270	Ant1	54.042	0.5	Pass
NVNT	ac40	5310	Ant1	54.108	0.5	Pass
NVNT	ac80	5290	Ant1	89.952	0.5	Pass

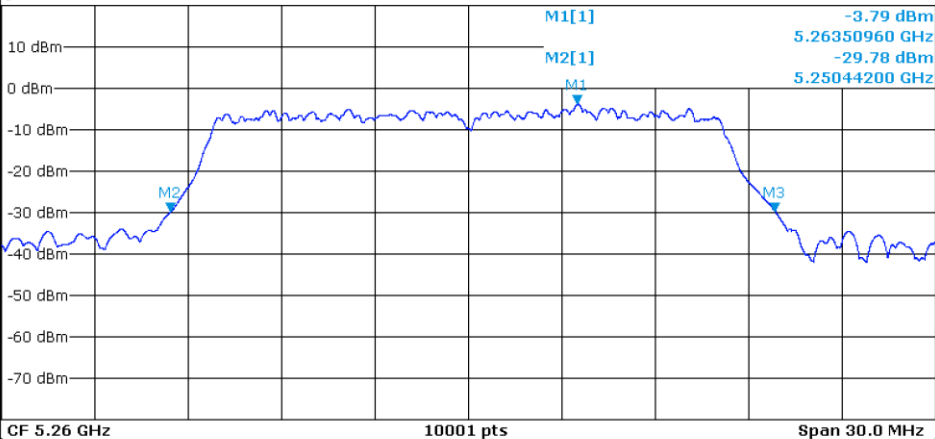
Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.06 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max

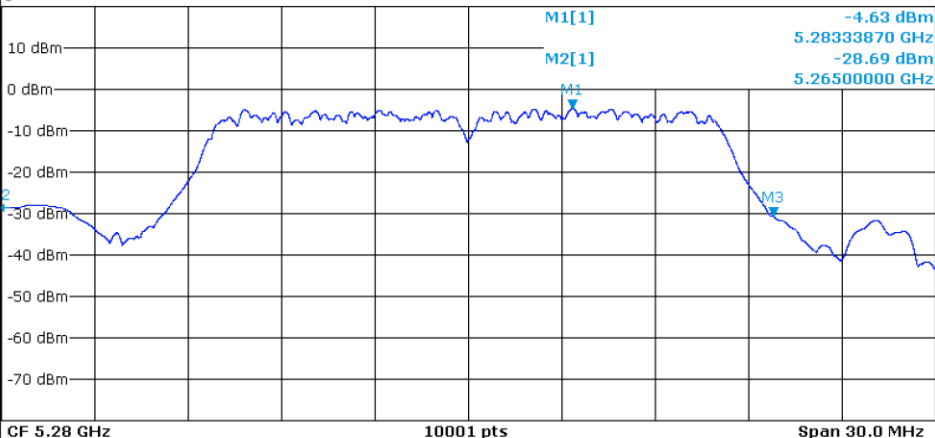


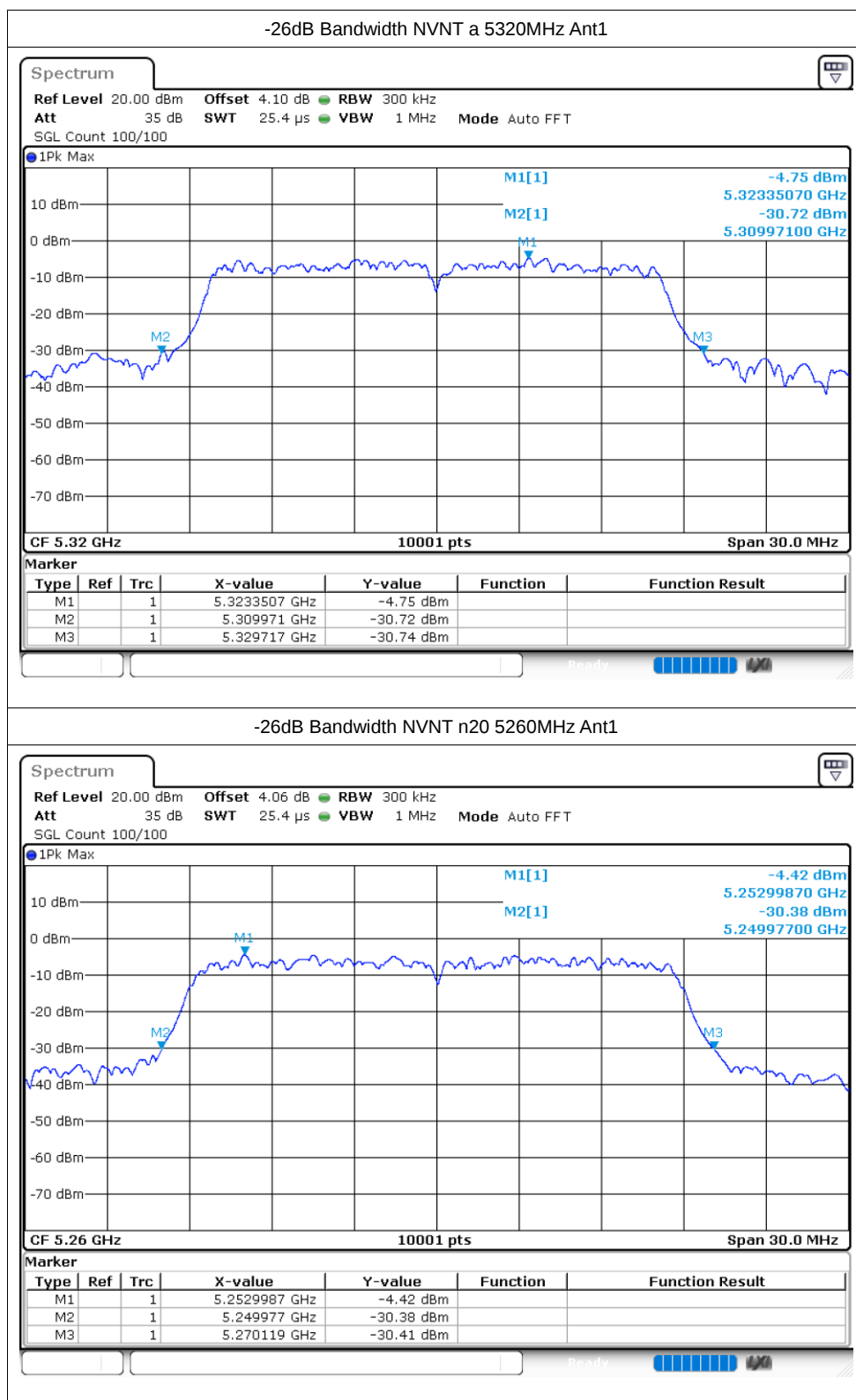
-26dB Bandwidth NVNT a 5280MHz Ant1

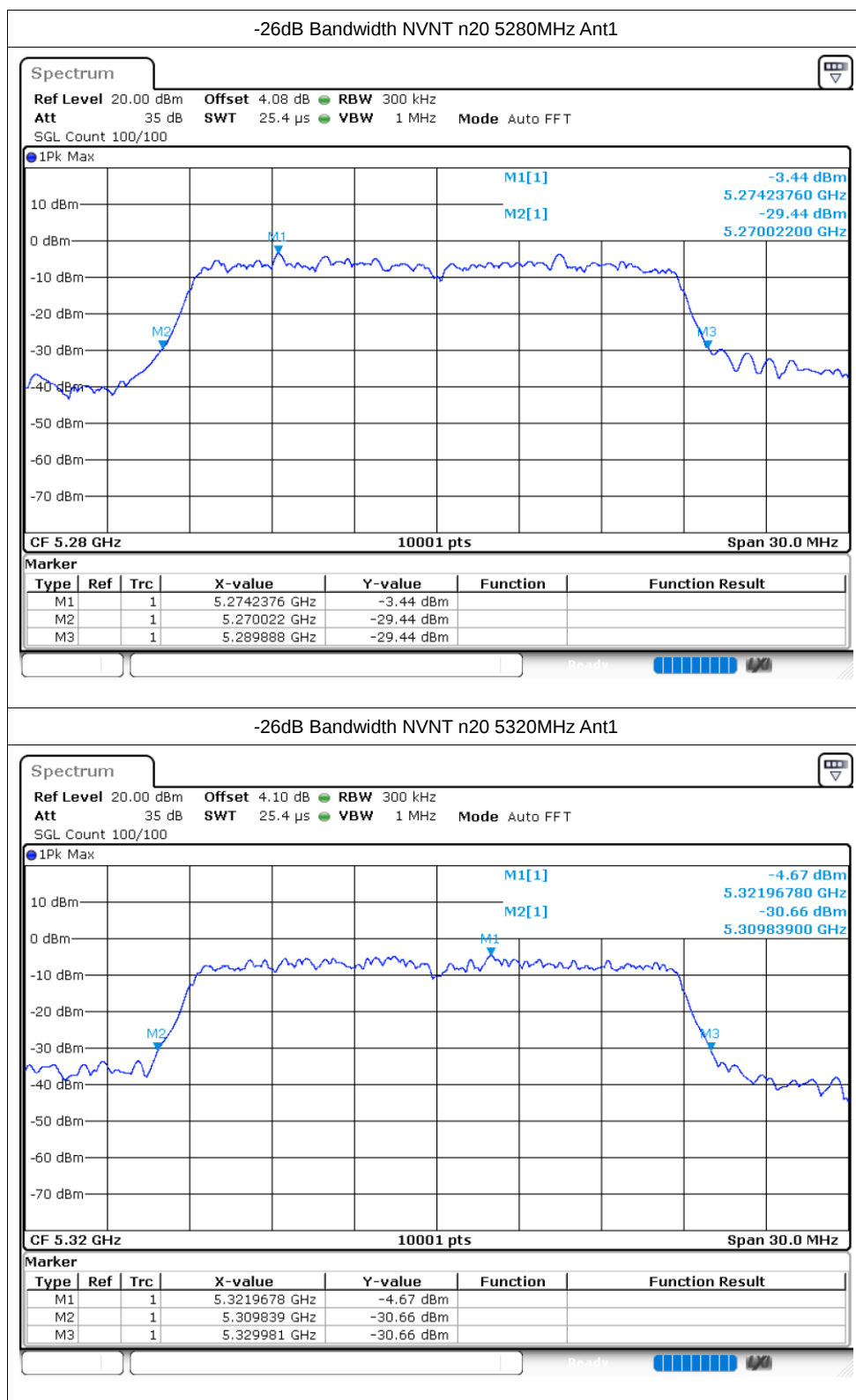
Spectrum

Ref Level 20.00 dBm Offset 4.08 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

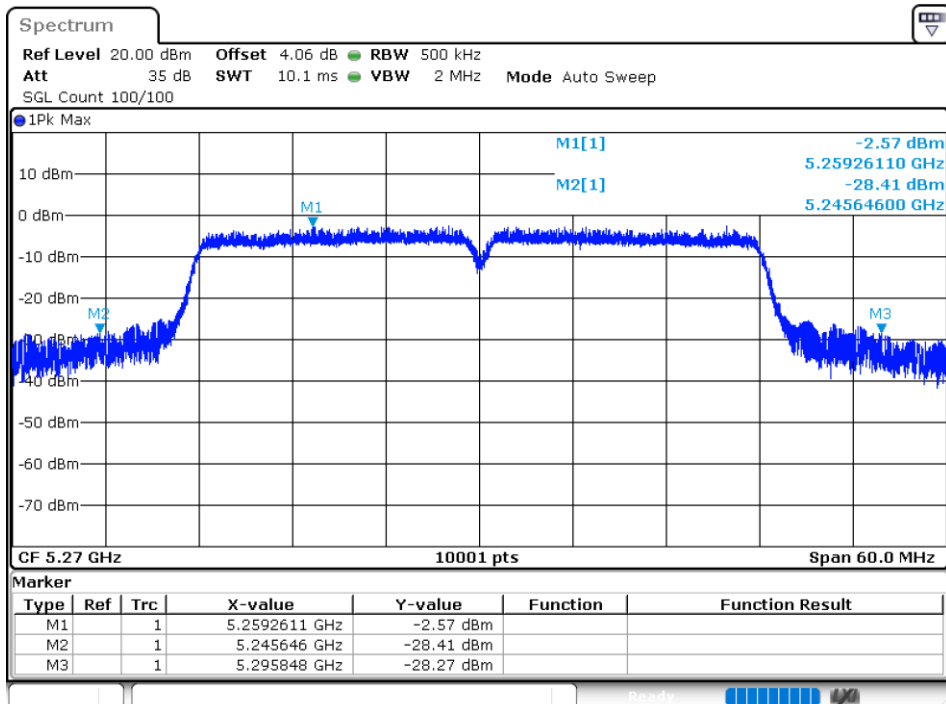
1Pk Max



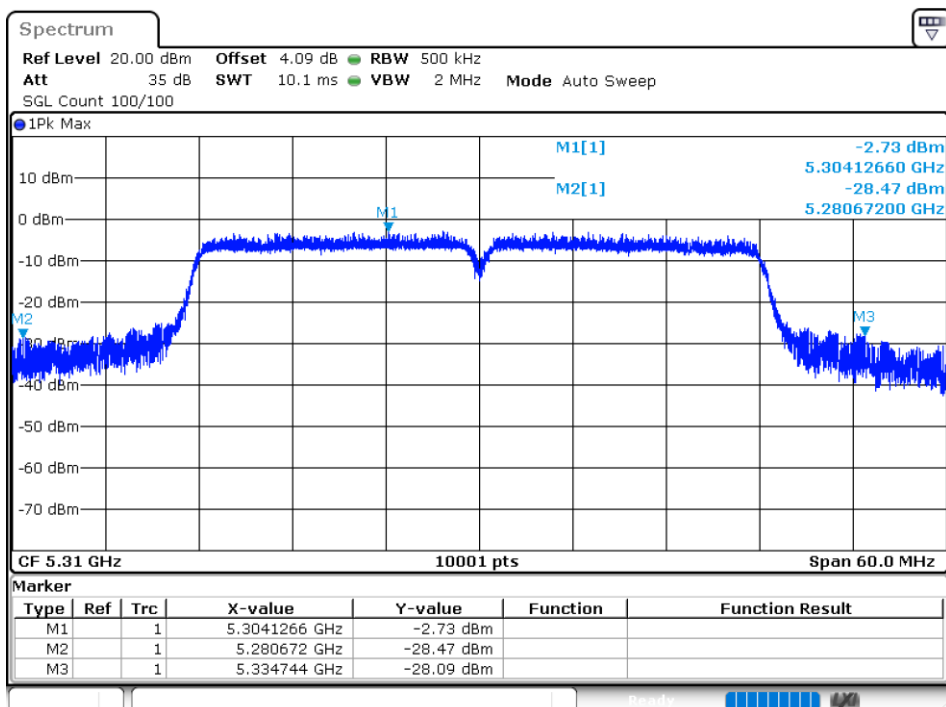




-26dB Bandwidth NVNT n40 5270MHz Ant1



-26dB Bandwidth NVNT n40 5310MHz Ant1

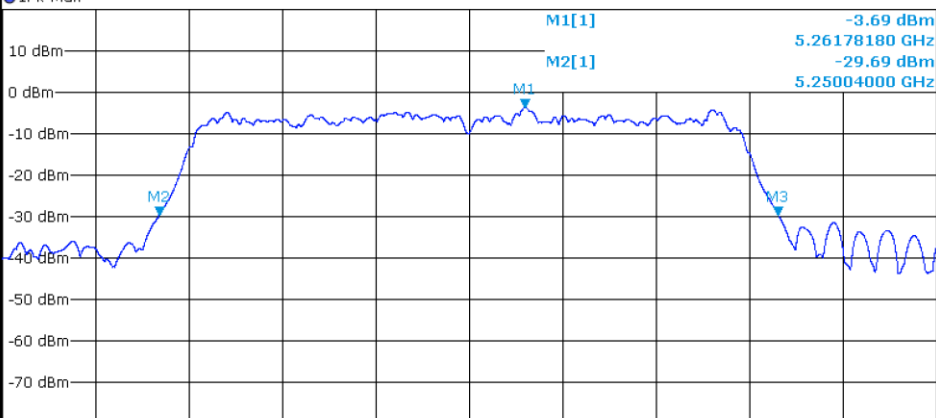


-26dB Bandwidth NVNT ac20 5260MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.06 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

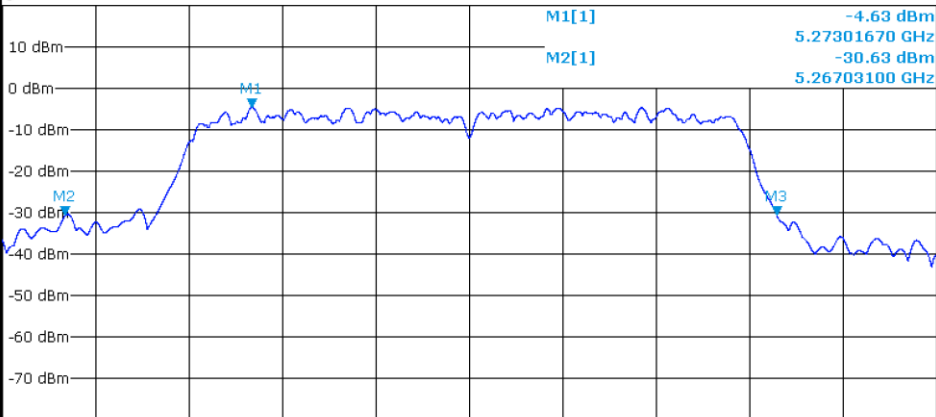
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.2617818 GHz	-3.69 dBm		
M2	1	1	5.25004 GHz	-29.69 dBm		
M3	1	1	5.269918 GHz	-29.66 dBm		

-26dB Bandwidth NVNT ac20 5280MHz Ant1

Spectrum

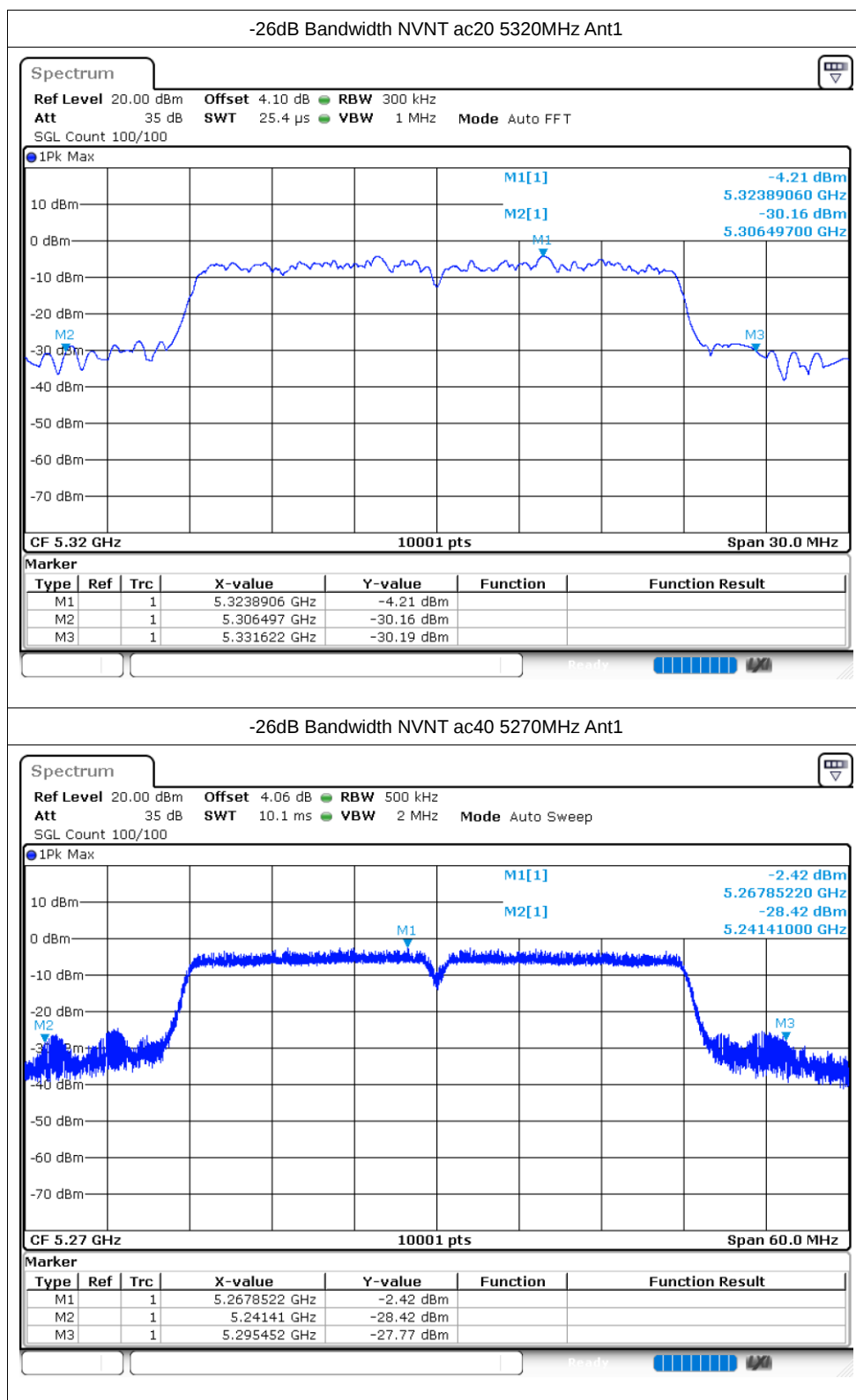
Ref Level 20.00 dBm Offset 4.08 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max

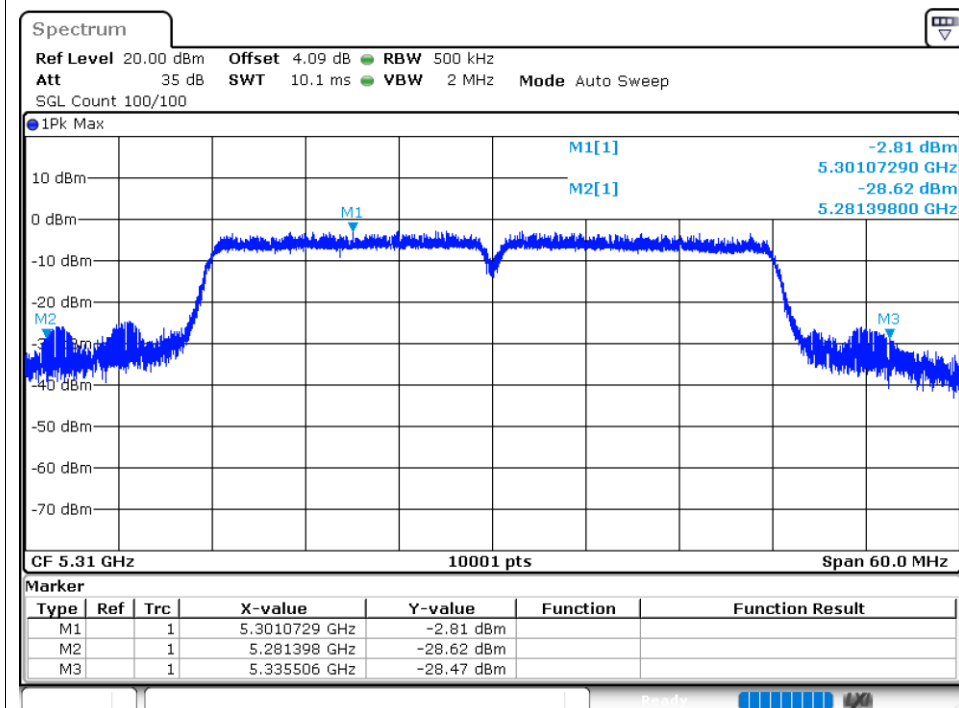


Marker

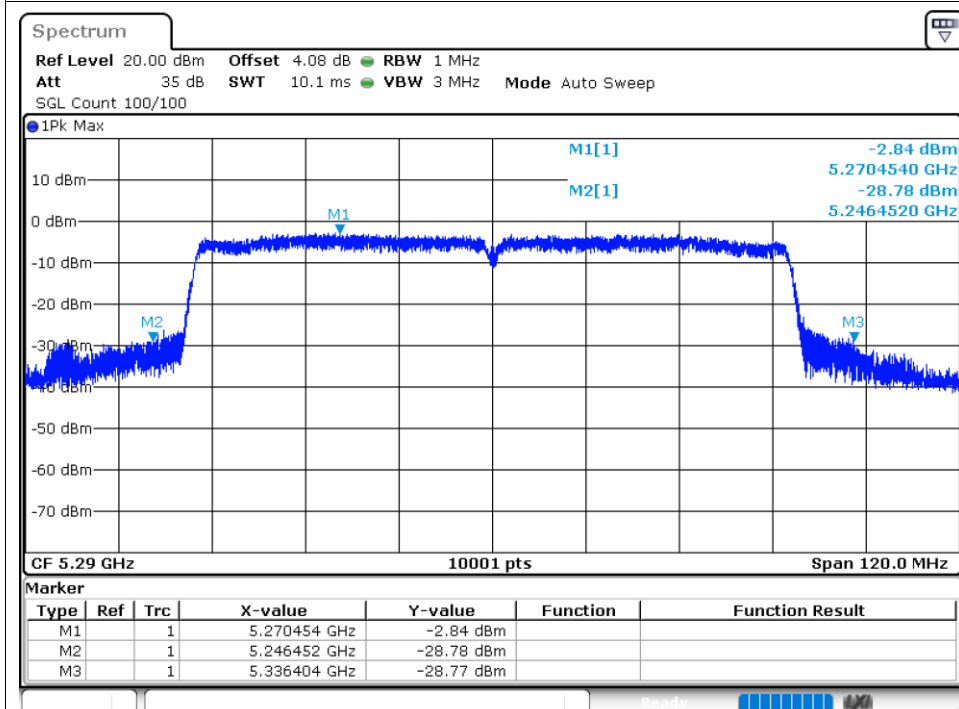
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.2730167 GHz	-4.63 dBm		
M2	1	1	5.267031 GHz	-30.63 dBm		
M3	1	1	5.289867 GHz	-30.62 dBm		



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1

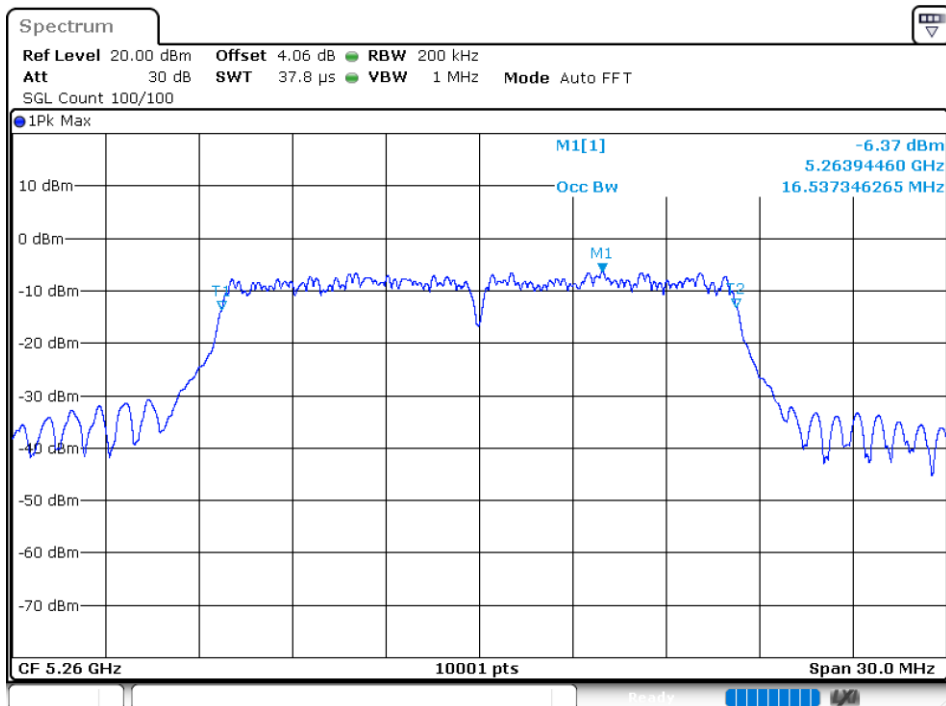


Occupied Channel Bandwidth

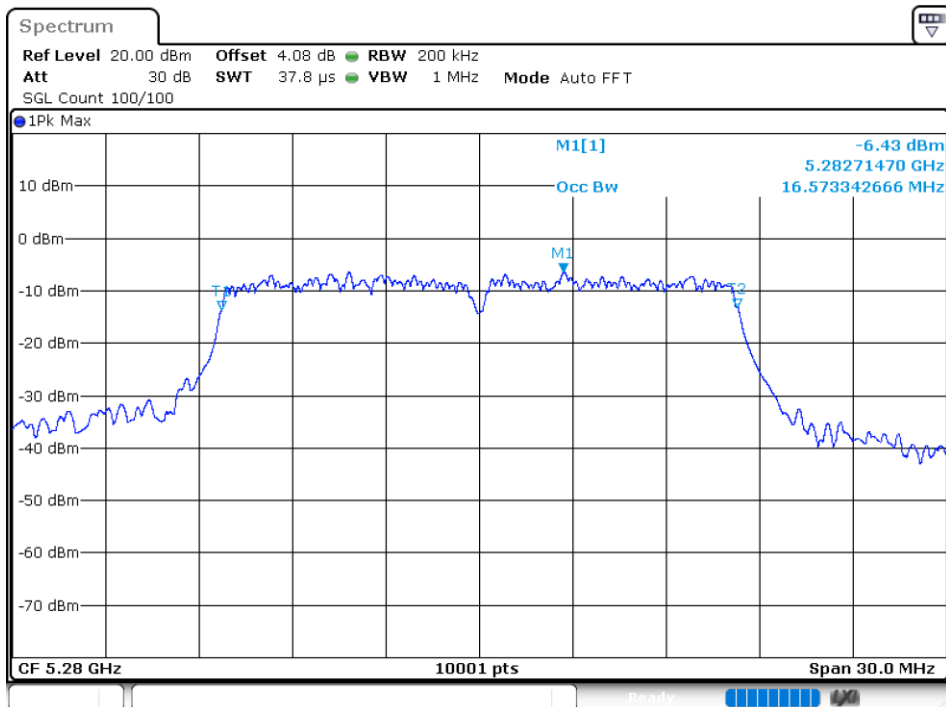
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.537
NVNT	a	5280	Ant1	16.573
NVNT	a	5320	Ant1	16.576
NVNT	n20	5260	Ant1	17.629
NVNT	n20	5280	Ant1	17.65
NVNT	n20	5320	Ant1	17.569
NVNT	n40	5270	Ant1	36.17
NVNT	n40	5310	Ant1	36.206
NVNT	ac20	5260	Ant1	17.599
NVNT	ac20	5280	Ant1	17.737
NVNT	ac20	5320	Ant1	17.572
NVNT	ac40	5270	Ant1	36.182
NVNT	ac40	5310	Ant1	36.206
NVNT	ac80	5290	Ant1	75.472

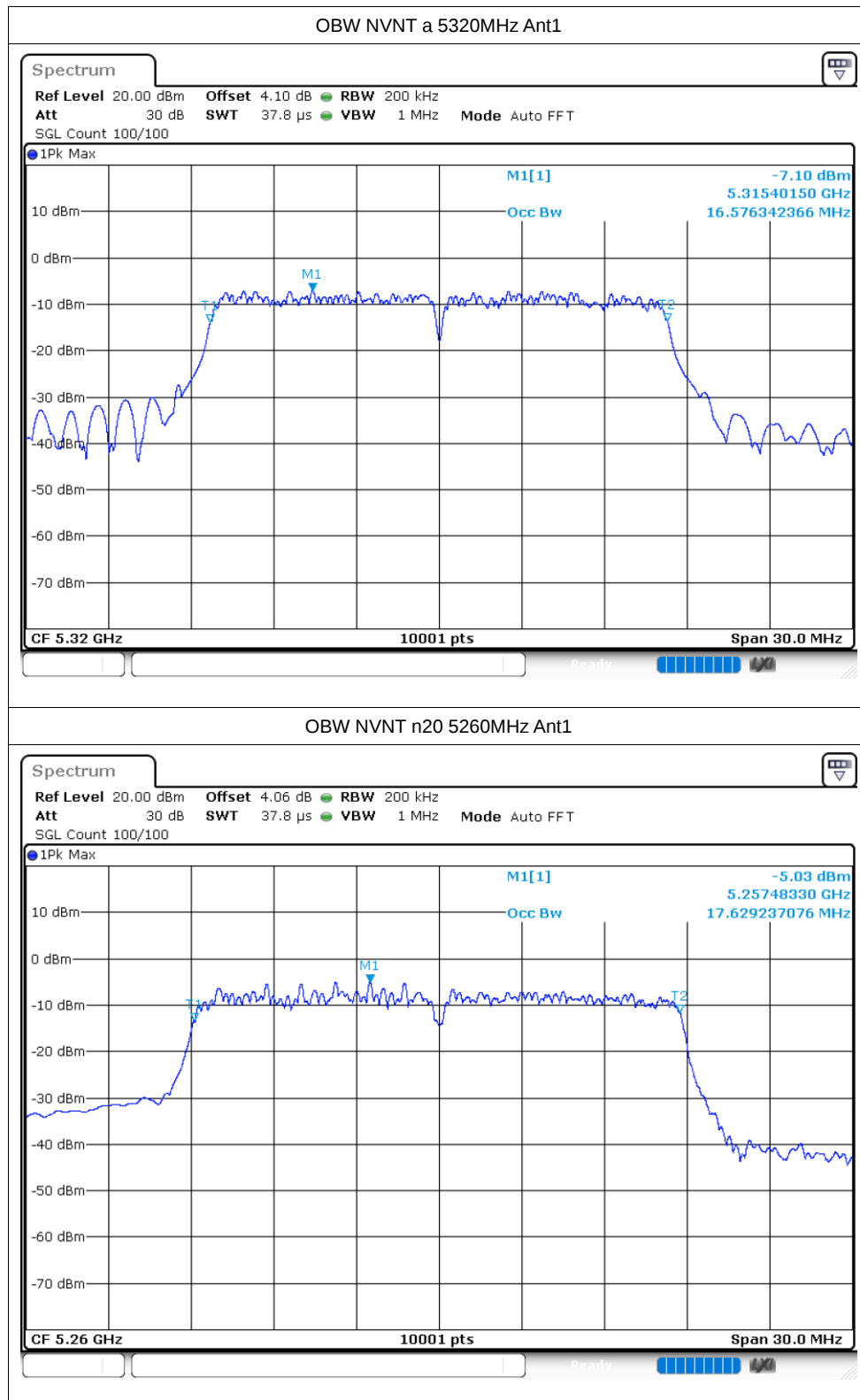
Test Graphs

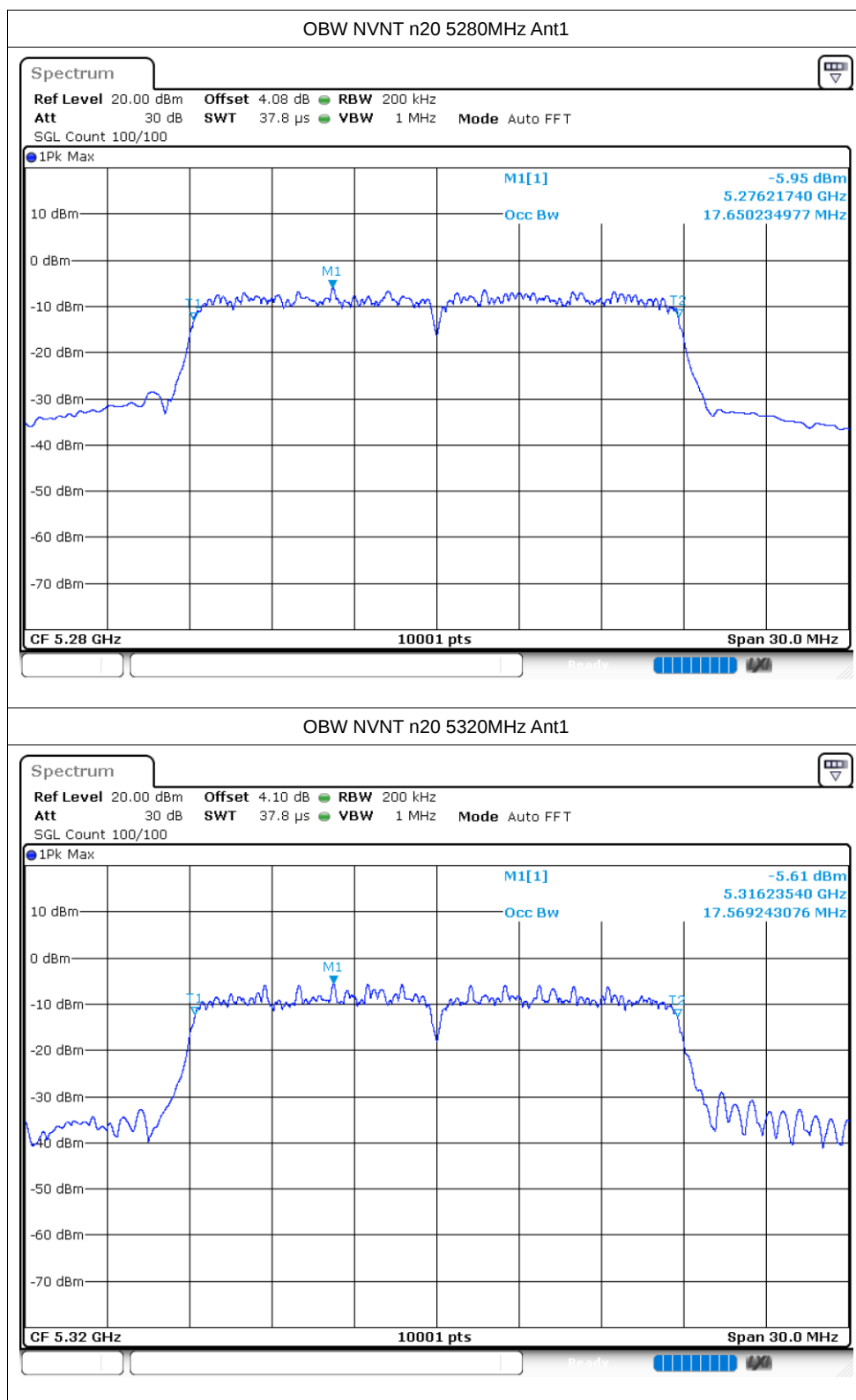
OBW NVNT a 5260MHz Ant1

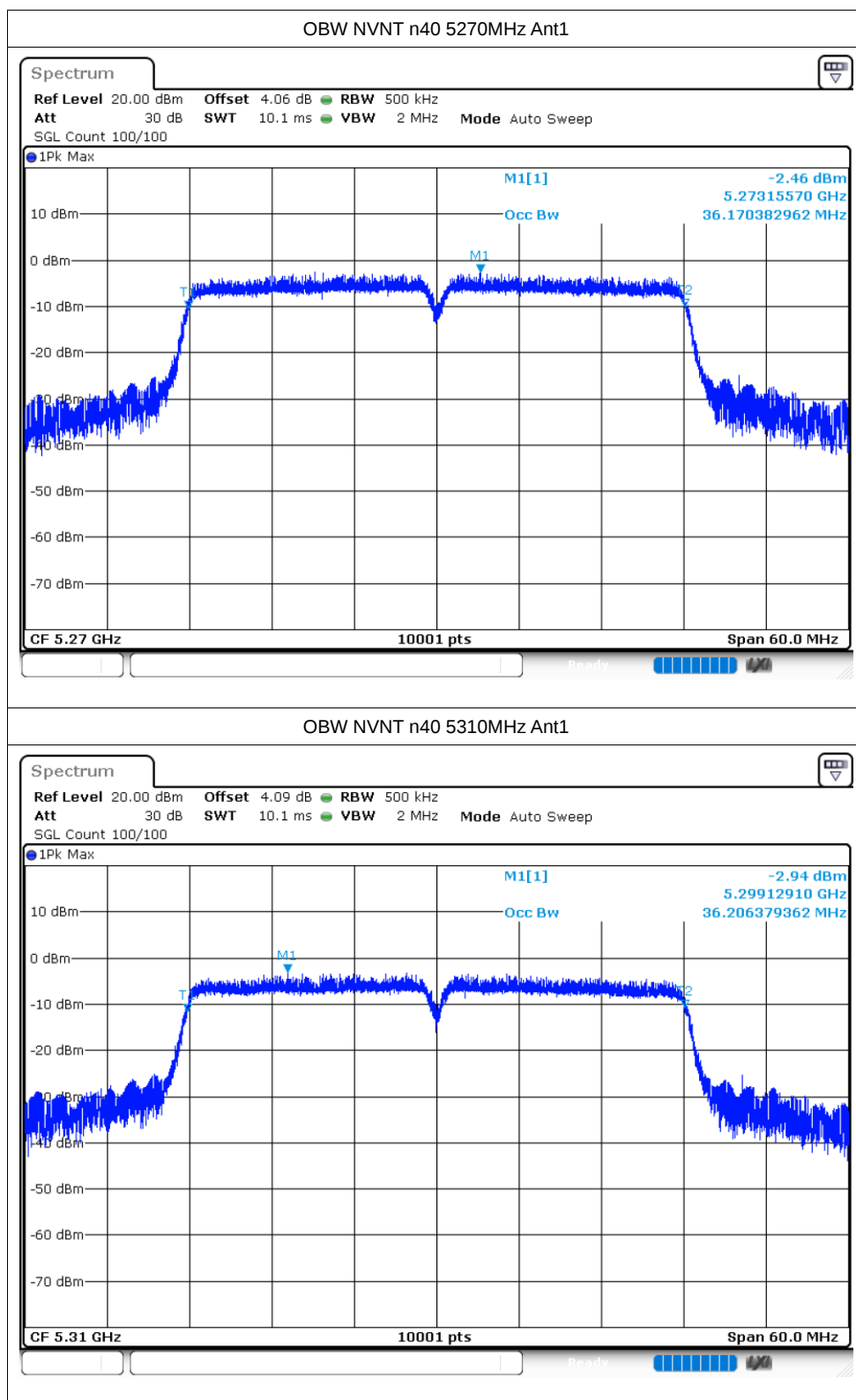


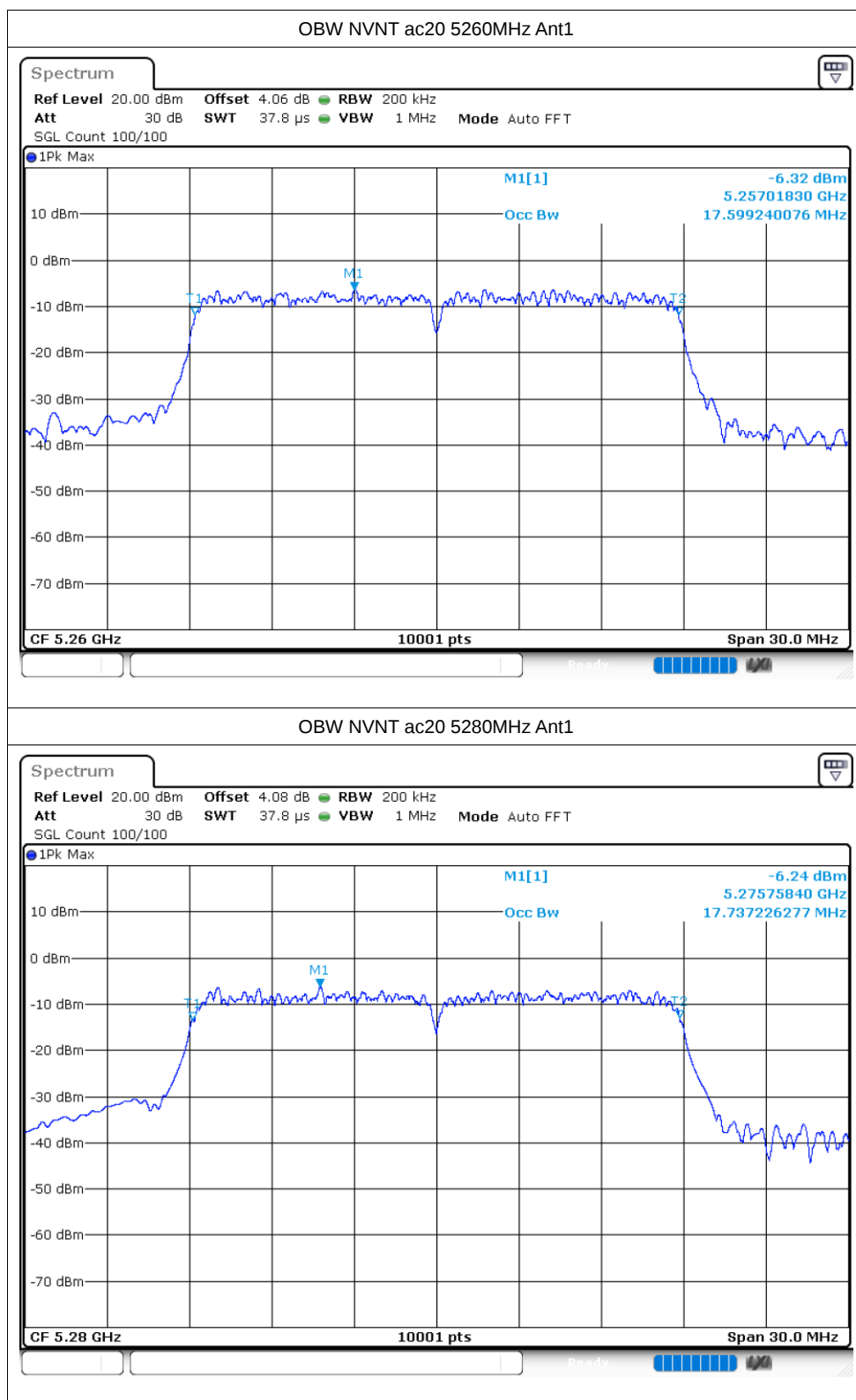
OBW NVNT a 5280MHz Ant1

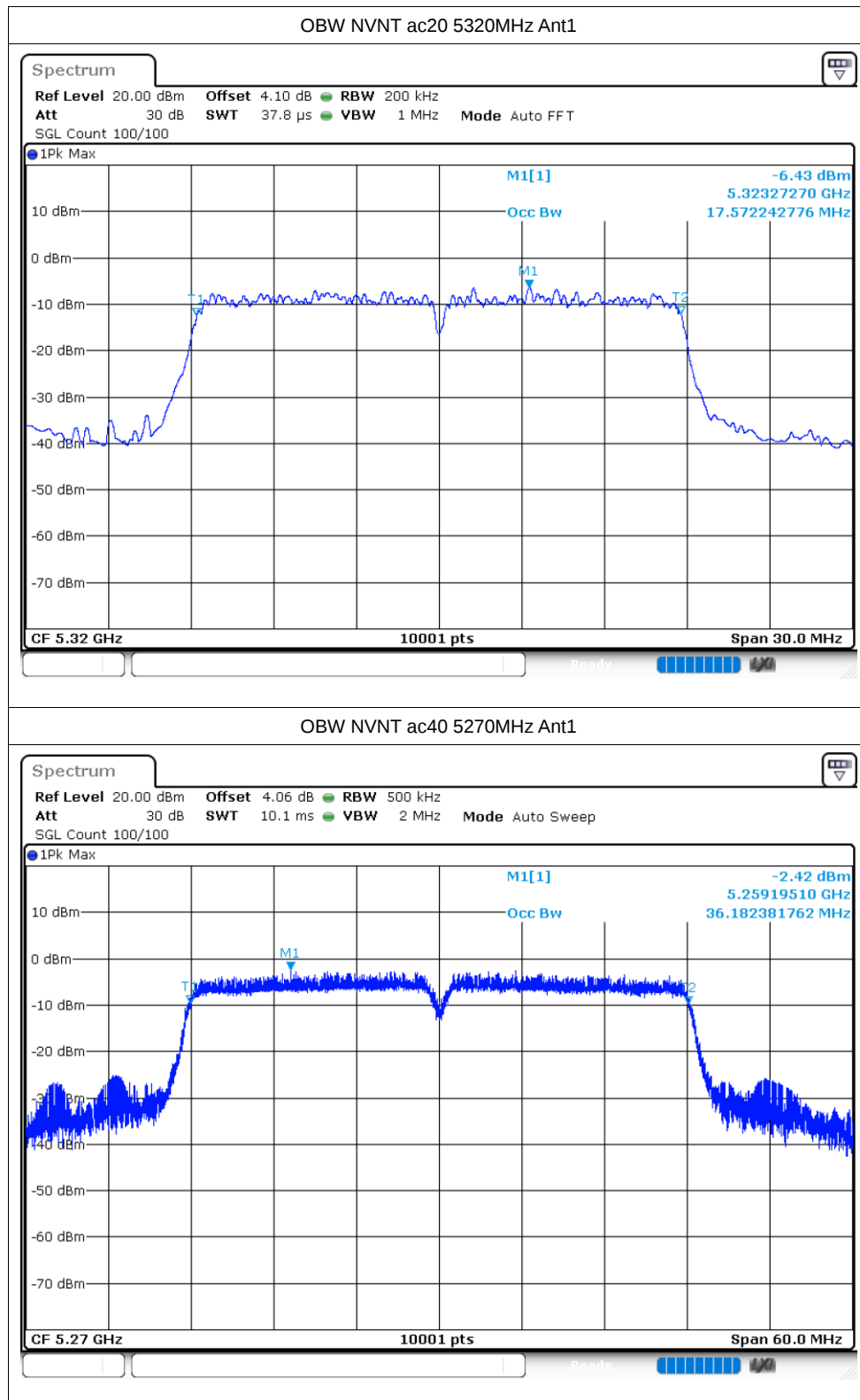


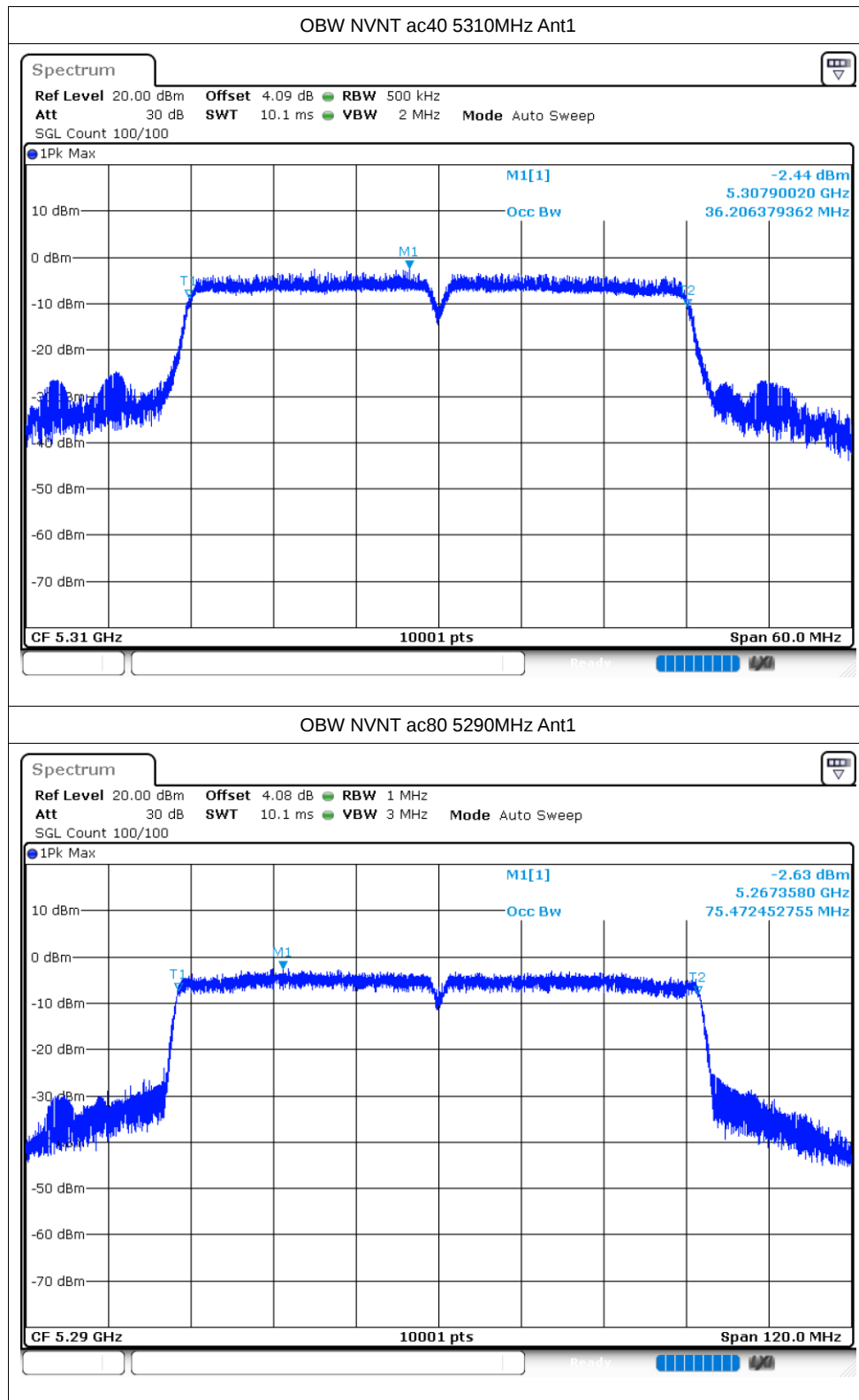












Maximum Power Spectral Density Level

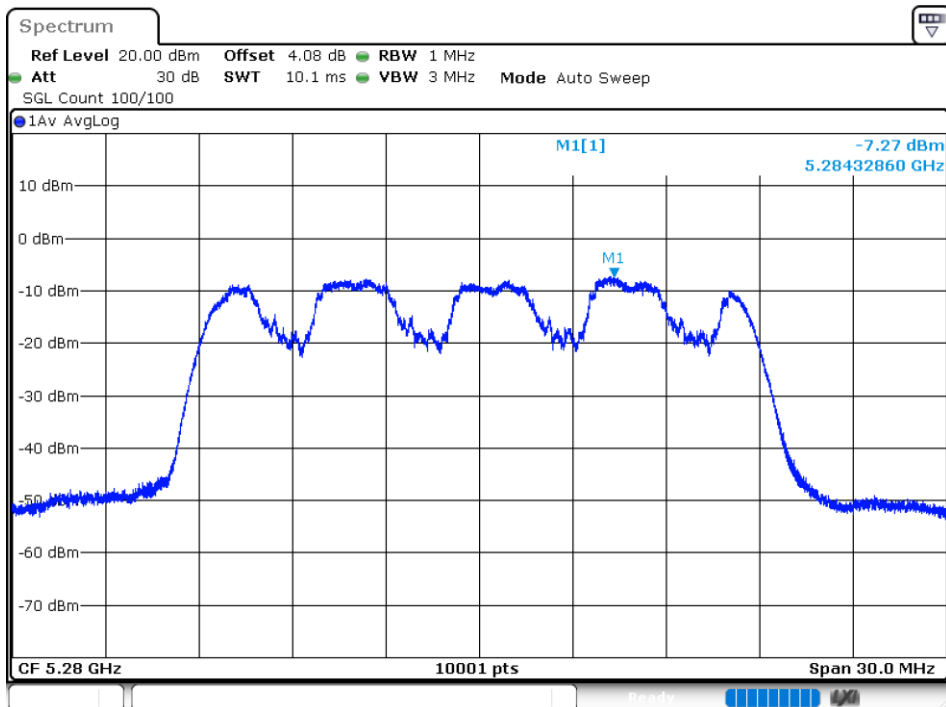
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-7.53	0.43	-7.1	11	Pass
NVNT	a	5280	Ant1	-7.27	0.43	-6.84	11	Pass
NVNT	a	5320	Ant1	-9.15	0.43	-8.72	11	Pass
NVNT	n20	5260	Ant1	-10.6	0.5	-10.1	11	Pass
NVNT	n20	5280	Ant1	-10.68	0.51	-10.17	11	Pass
NVNT	n20	5320	Ant1	-11.12	0.51	-10.61	11	Pass
NVNT	n40	5270	Ant1	-16.03	1	-15.03	11	Pass
NVNT	n40	5310	Ant1	-15.79	0.93	-14.86	11	Pass
NVNT	ac20	5260	Ant1	-8.74	0.51	-8.23	11	Pass
NVNT	ac20	5280	Ant1	-9.91	0.53	-9.38	11	Pass
NVNT	ac20	5320	Ant1	-10.8	0.5	-10.3	11	Pass
NVNT	ac40	5270	Ant1	-17.05	1.04	-16.01	11	Pass
NVNT	ac40	5310	Ant1	-18.66	0.95	-17.71	11	Pass
NVNT	ac80	5290	Ant1	-18.05	1.81	-16.24	11	Pass

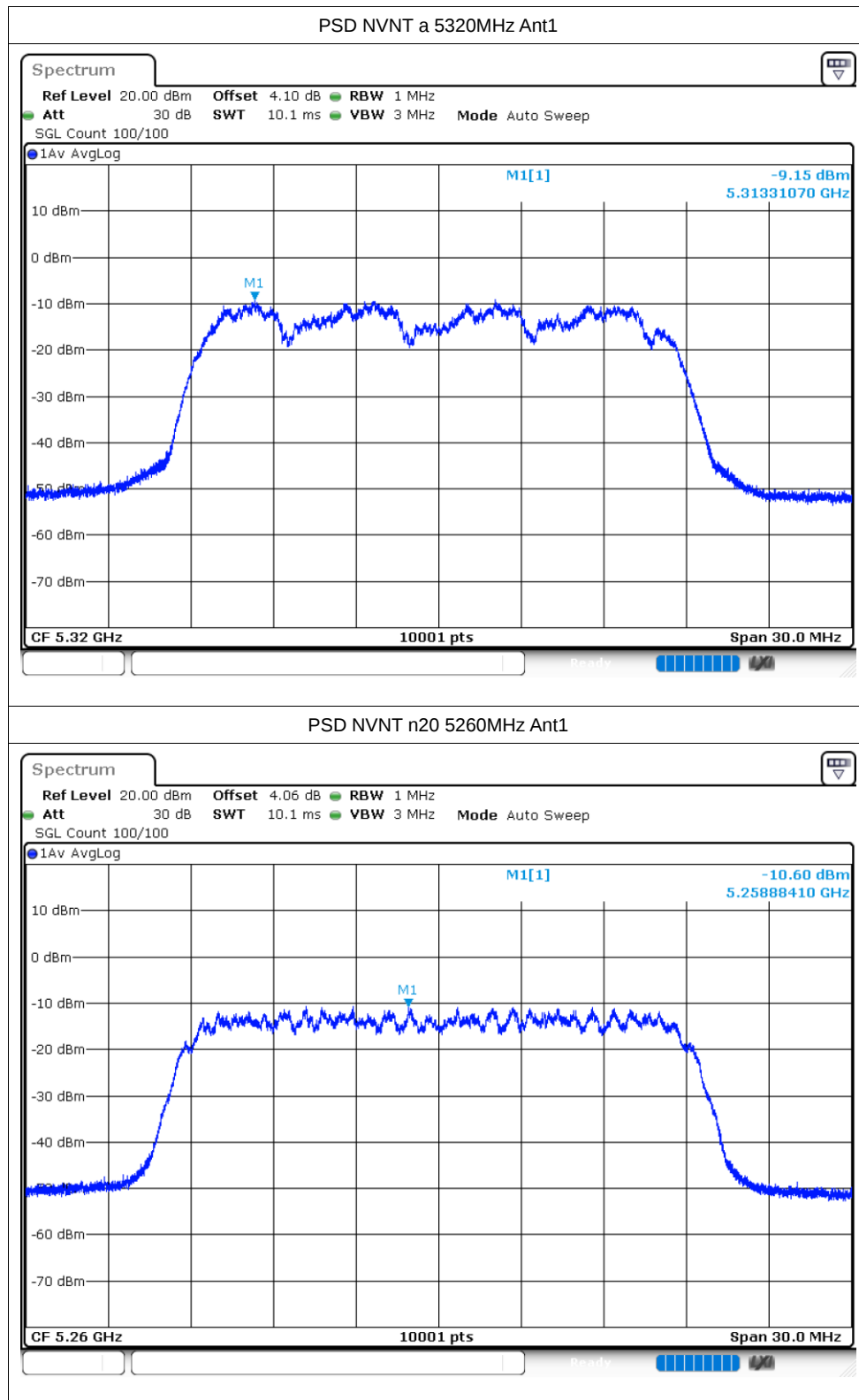
Test Graphs

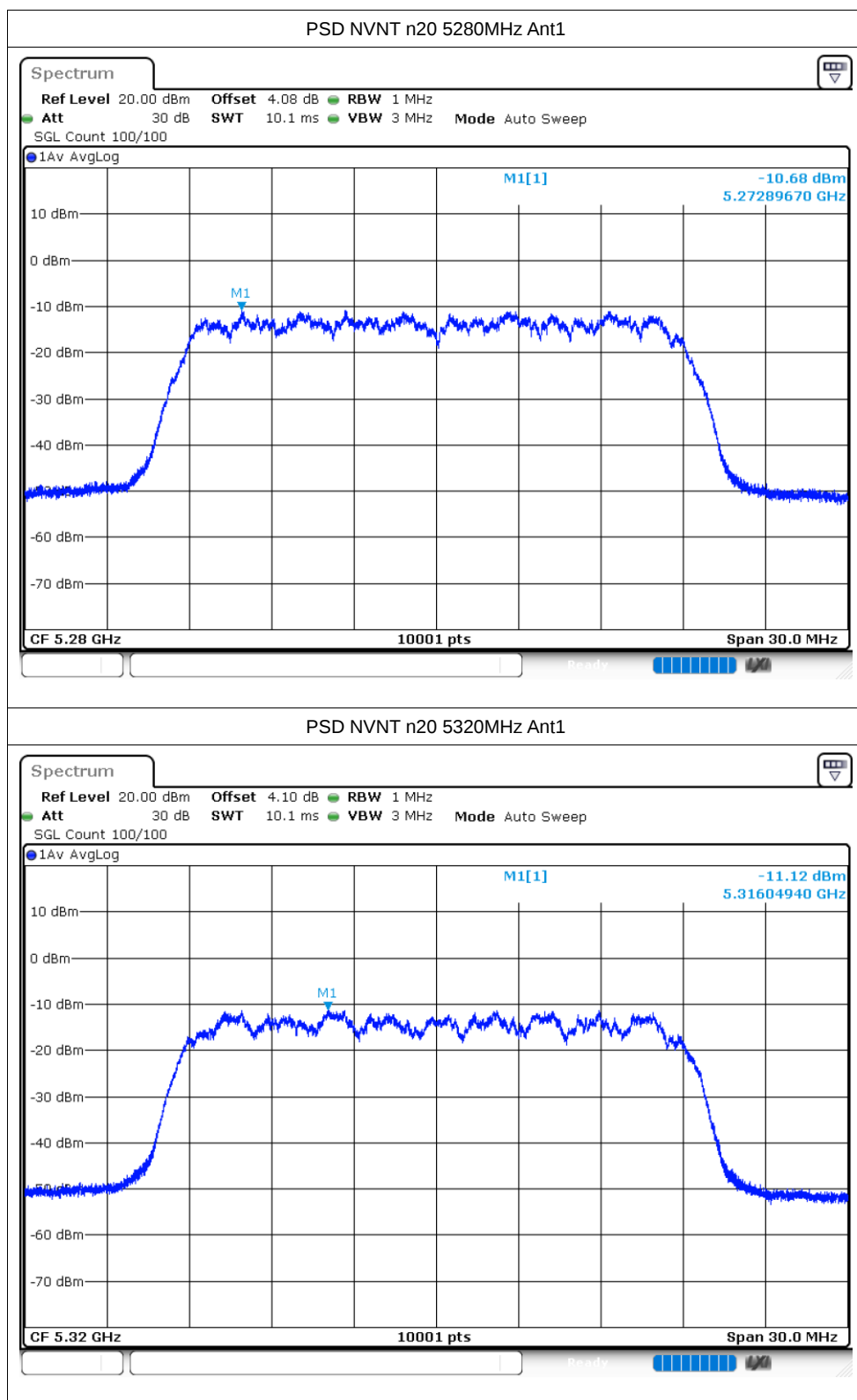
PSD NVNT a 5260MHz Ant1

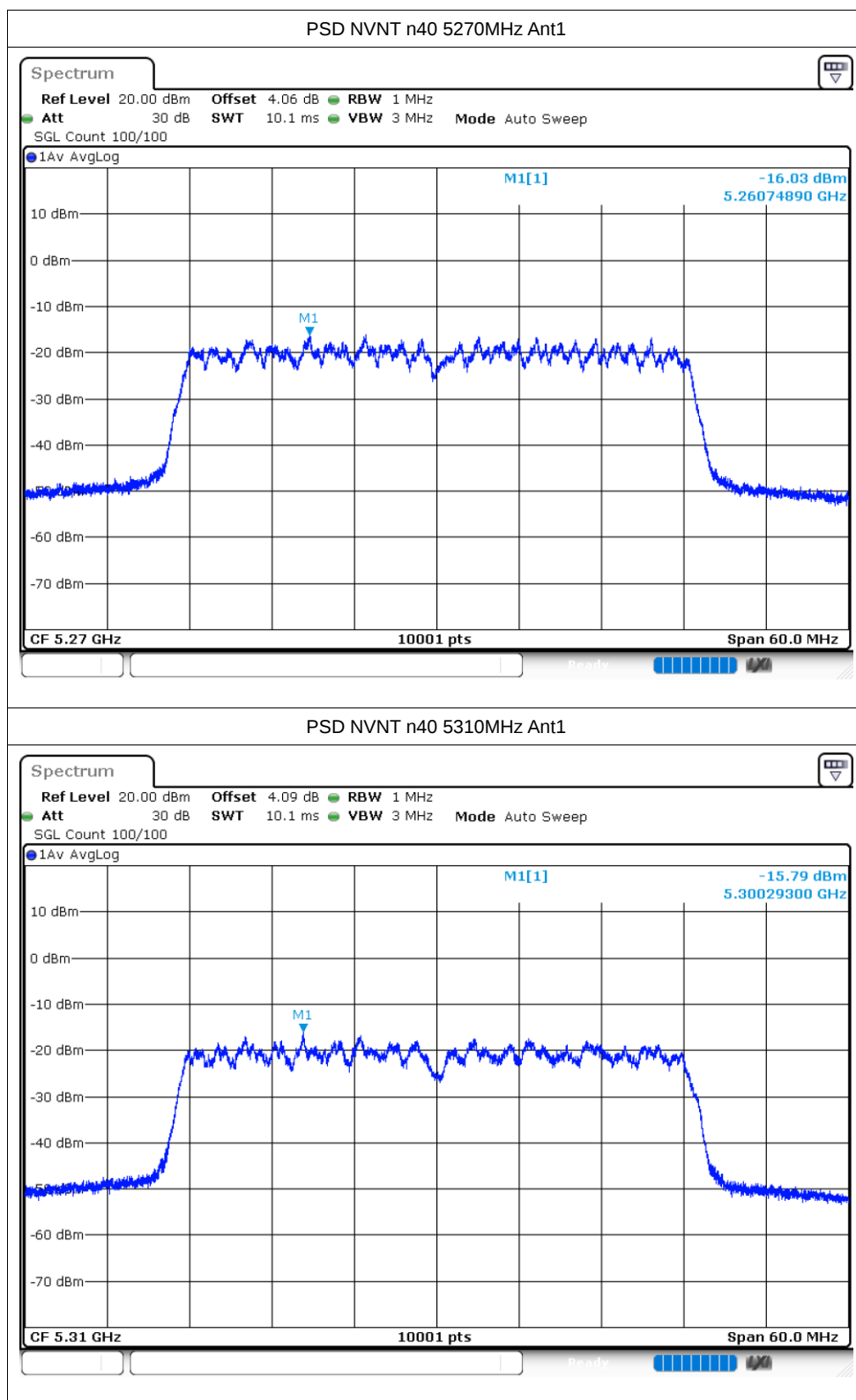


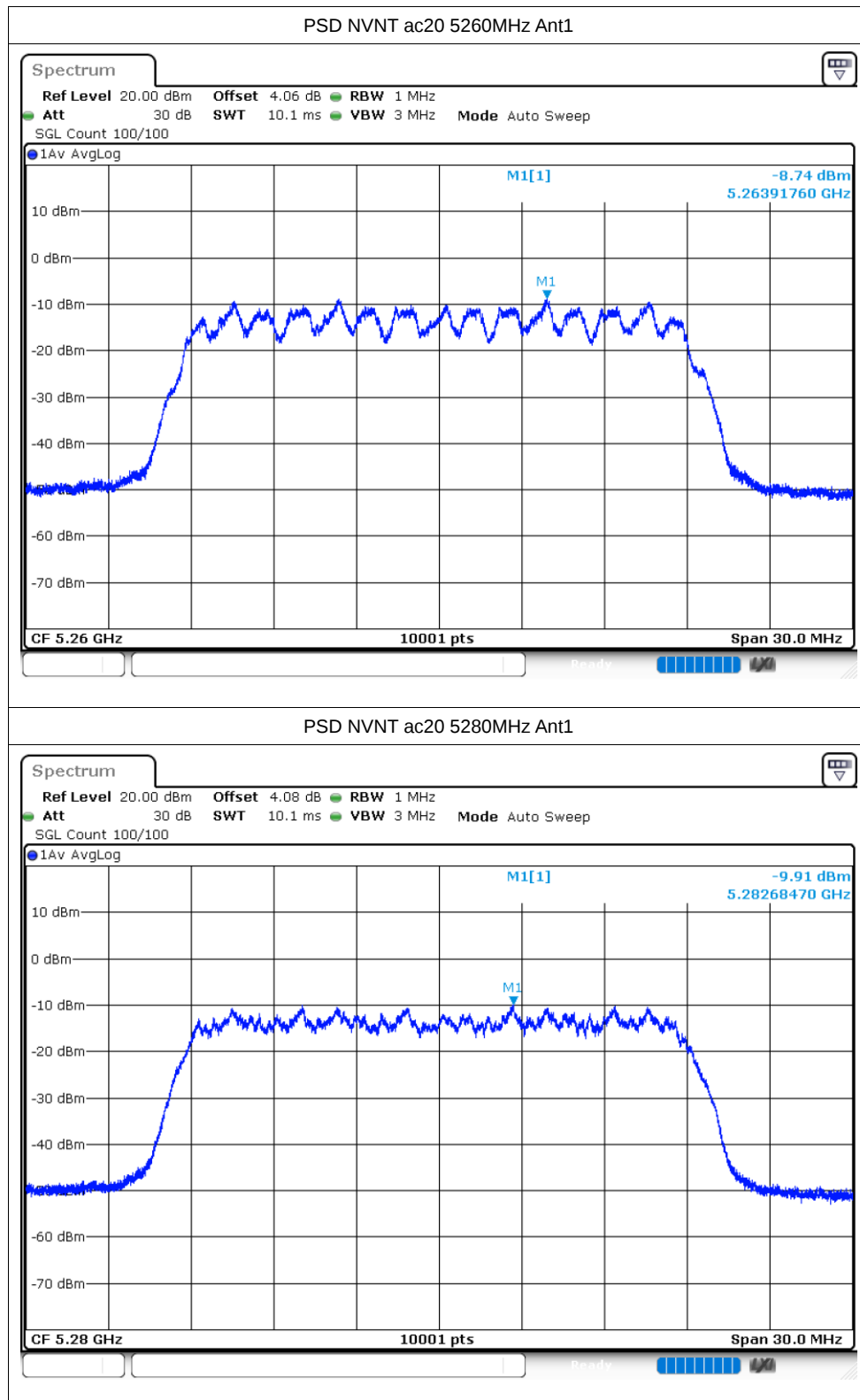
PSD NVNT a 5280MHz Ant1

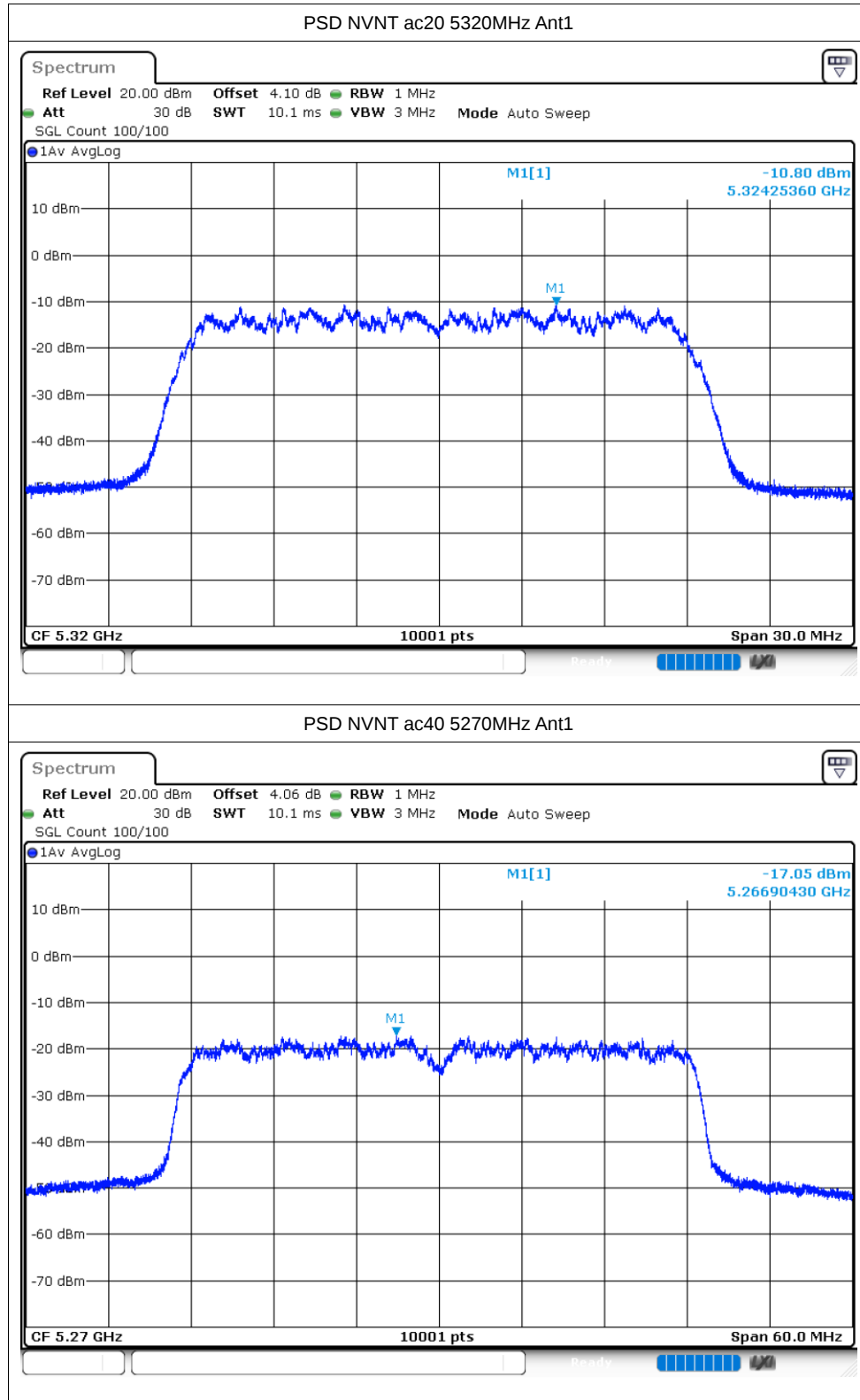


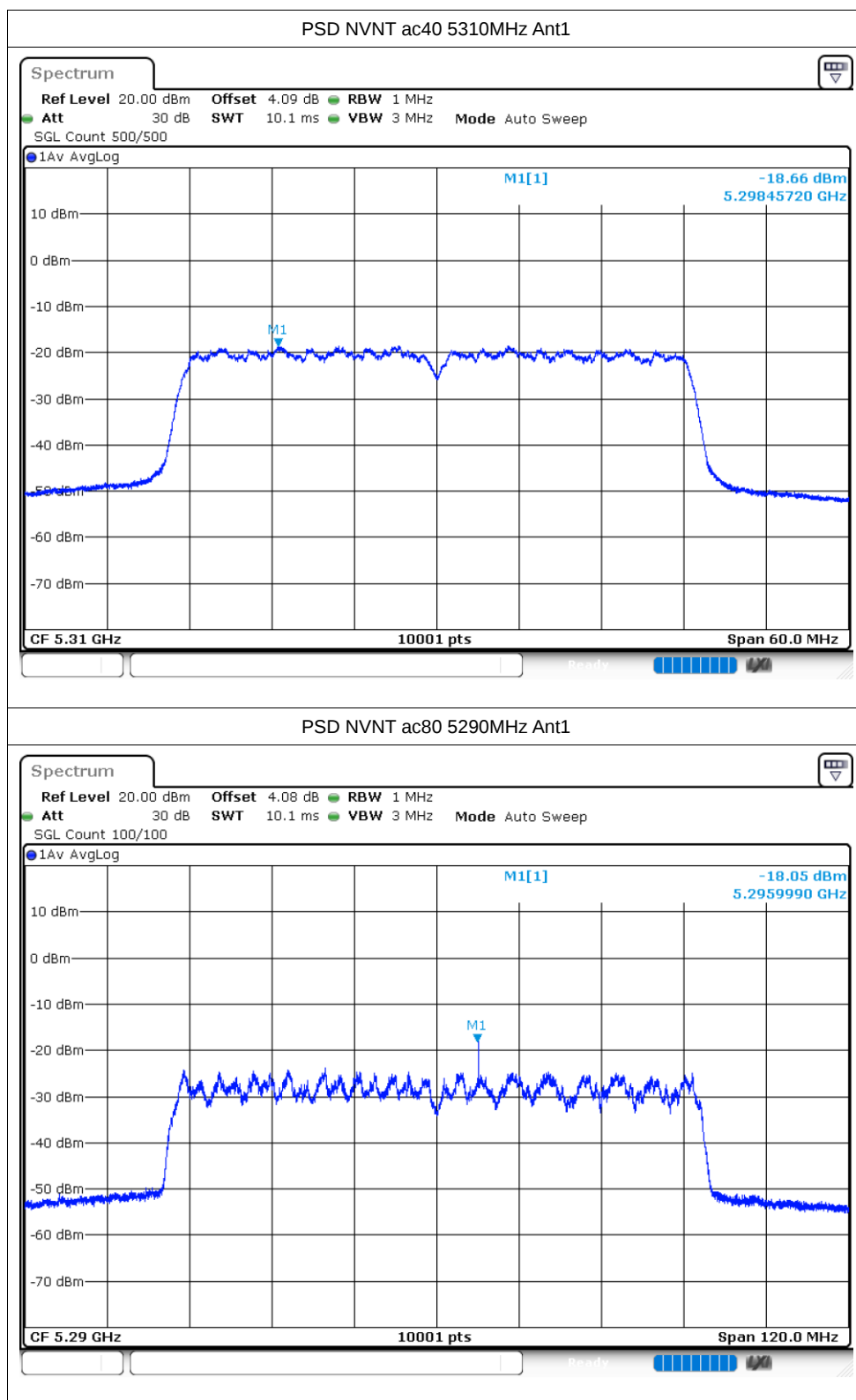












Band Edge

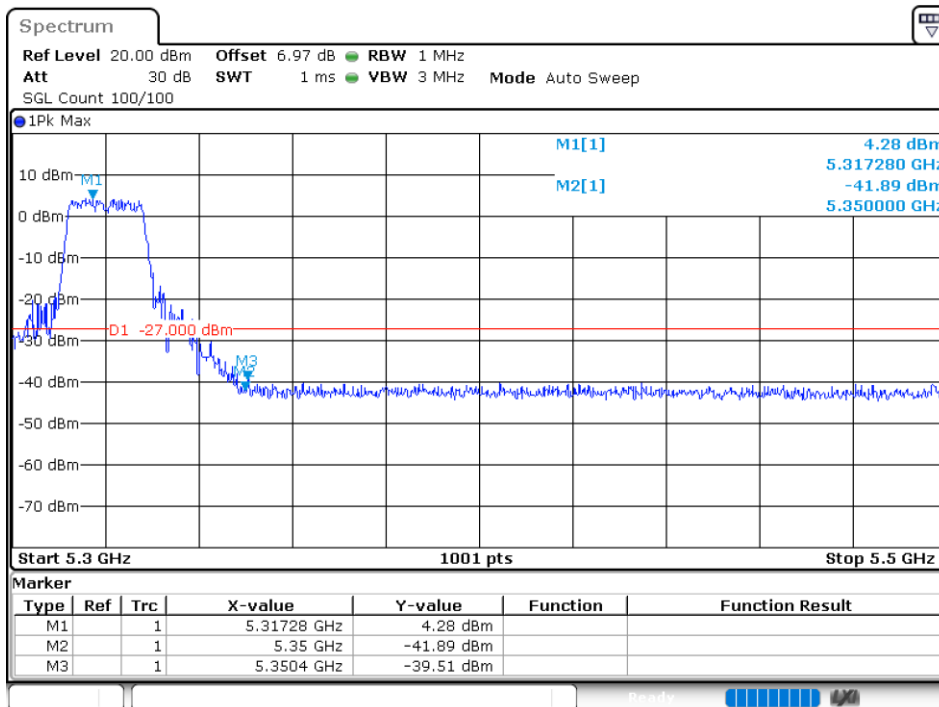
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-39.92	-27	Pass
NVNT	a	5320	Ant1	-39.51	-27	Pass
NVNT	n20	5260	Ant1	-40.35	-27	Pass
NVNT	n20	5320	Ant1	-34.7	-27	Pass
NVNT	n40	5270	Ant1	-40.49	-27	Pass
NVNT	n40	5310	Ant1	-35.71	-27	Pass
NVNT	ac20	5260	Ant1	-40.26	-27	Pass
NVNT	ac20	5320	Ant1	-38.13	-27	Pass
NVNT	ac40	5270	Ant1	-40.71	-27	Pass
NVNT	ac40	5310	Ant1	-36.05	-27	Pass
NVNT	ac80	5290	Ant1	-37.9	-27	Pass
NVNT	ac80	5290	Ant1	-40.25	-27	Pass

Test Graphs

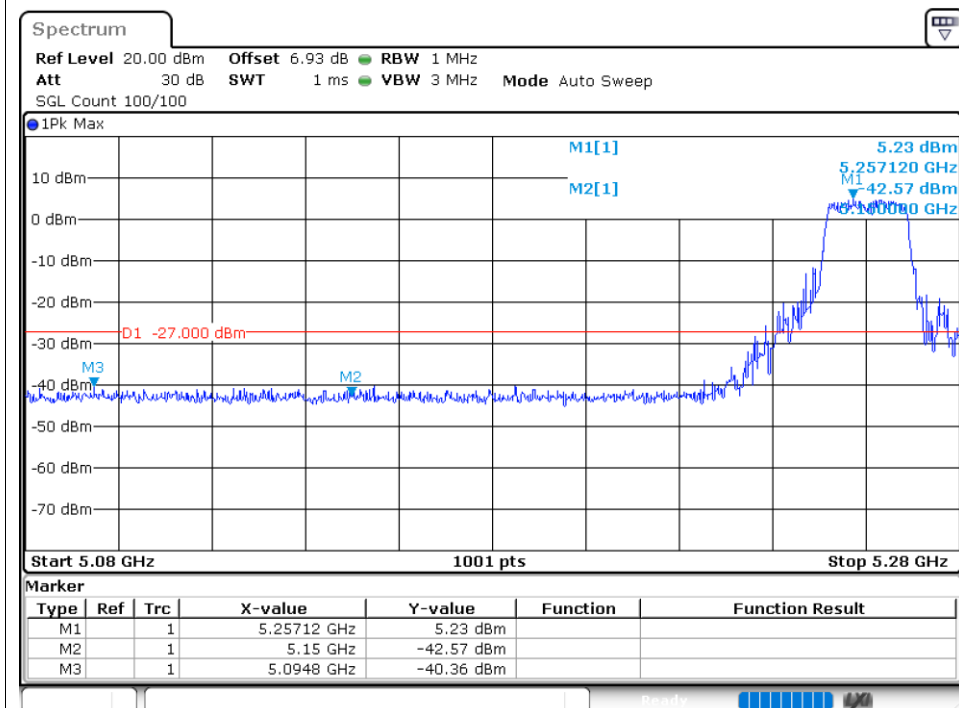
Band Edge NVNT a 5260MHz Low Ant1



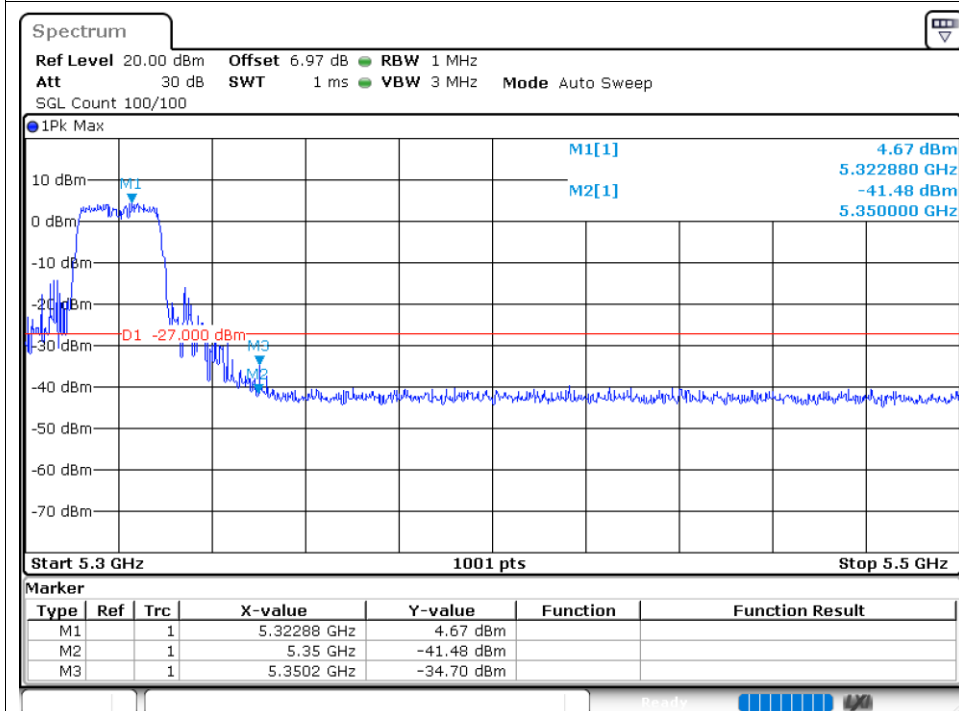
Band Edge NVNT a 5320MHz High Ant1



Band Edge NVNT n20 5260MHz Low Ant1



Band Edge NVNT n20 5320MHz High Ant1

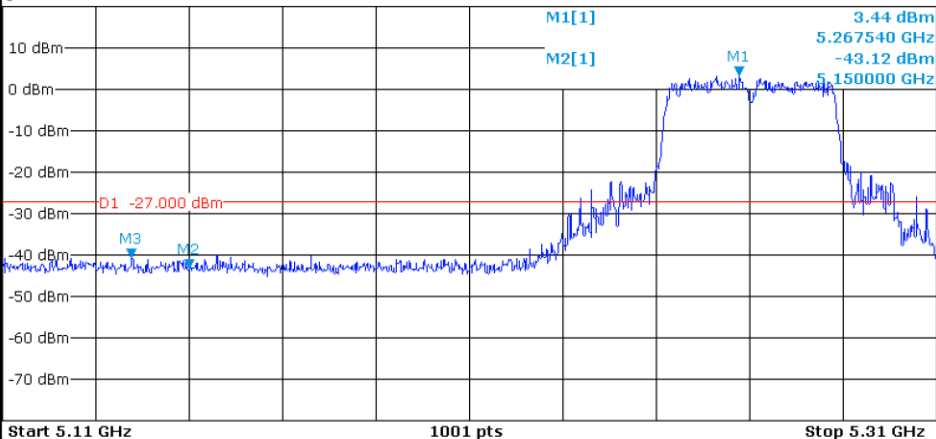


Band Edge NVNT n40 5270MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 6.93 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

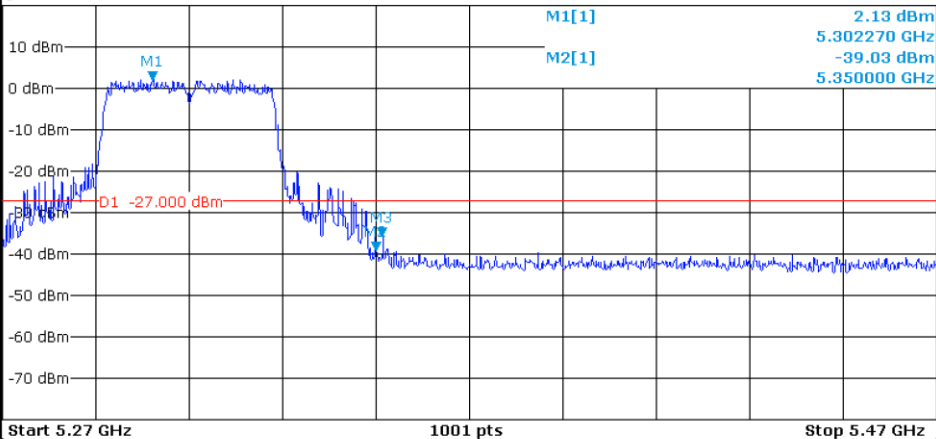
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.26754 GHz	3.44 dBm		
M2	1	1	5.15 GHz	-43.12 dBm		
M3	1	1	5.1376 GHz	-40.50 dBm		

Band Edge NVNT n40 5310MHz High Ant1

Spectrum

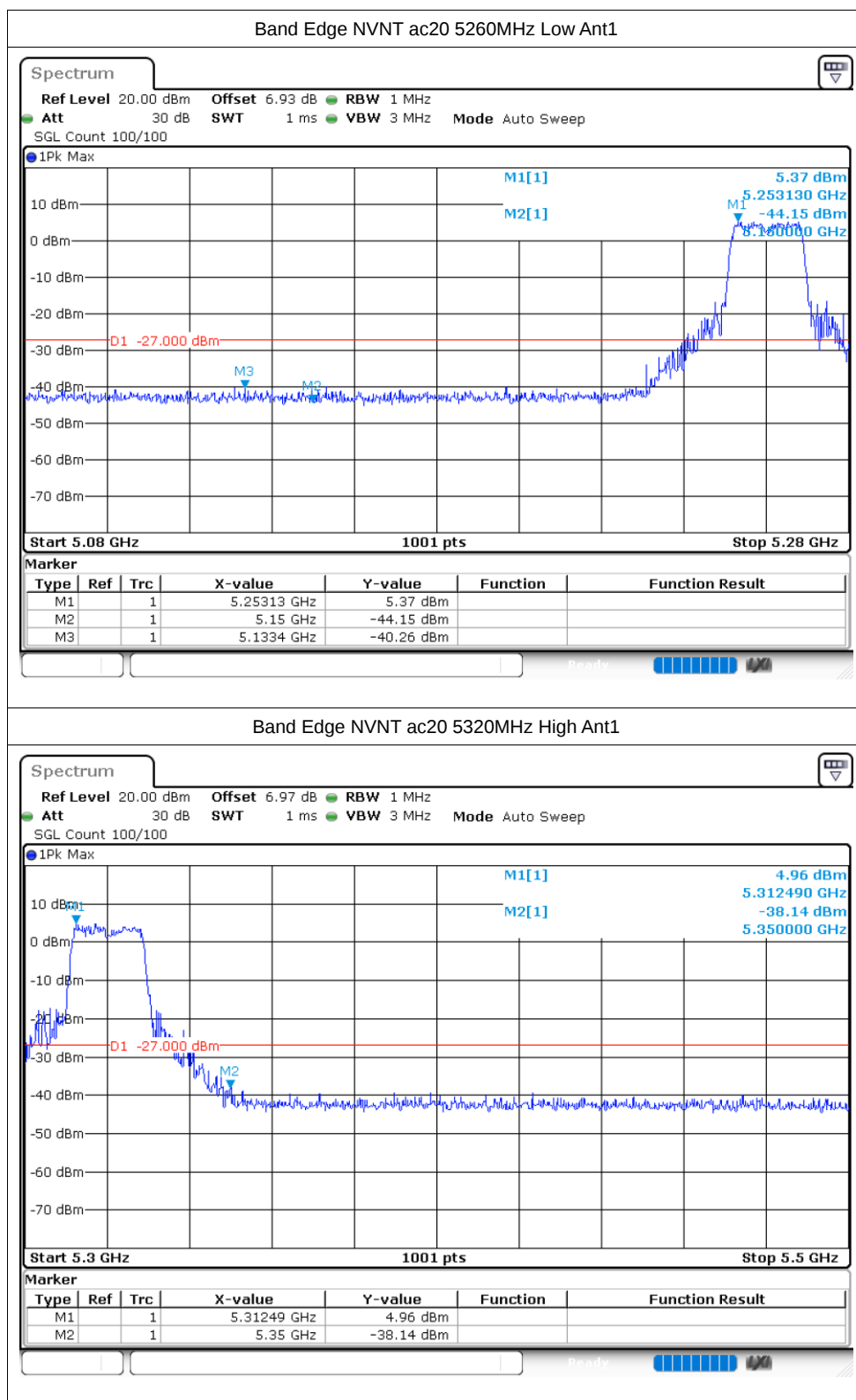
Ref Level 20.00 dBm Offset 6.96 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max

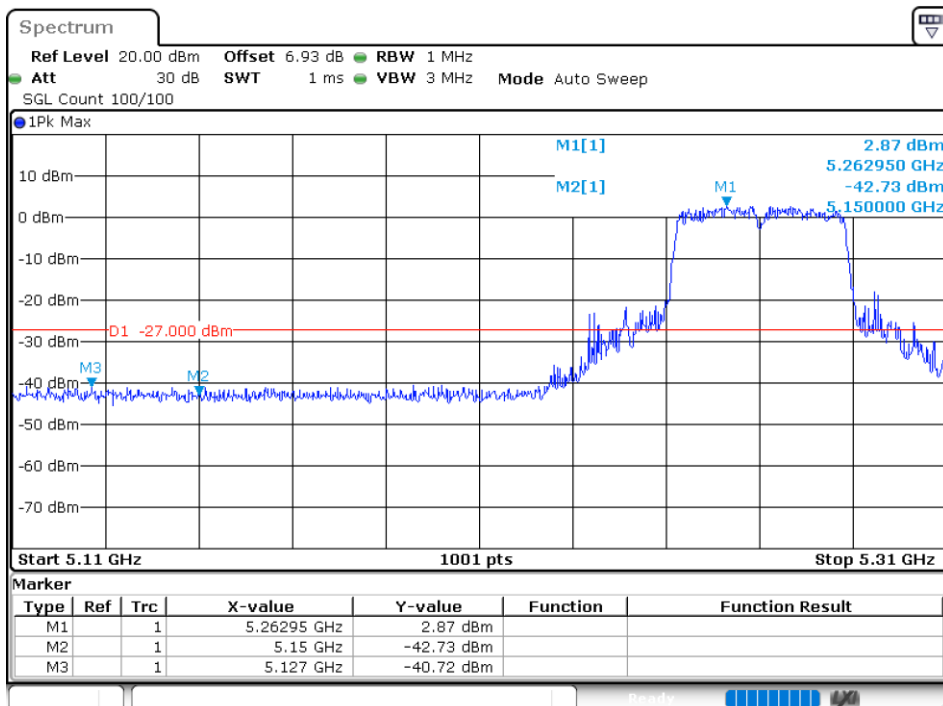


Marker

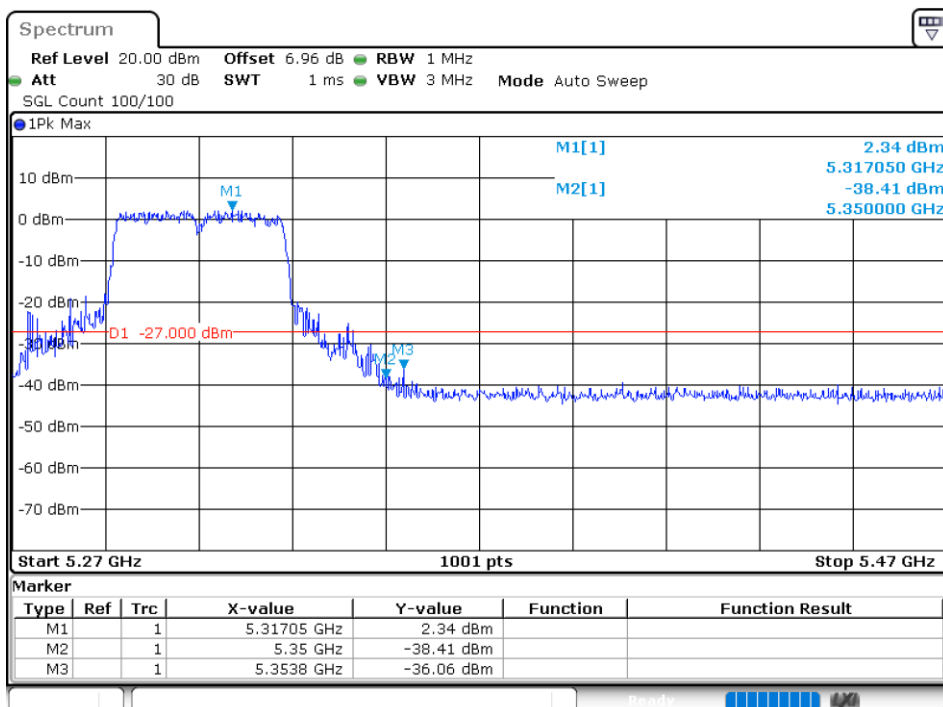
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.30227 GHz	2.13 dBm		
M2	1	1	5.35 GHz	-39.03 dBm		
M3	1	1	5.3514 GHz	-35.71 dBm		



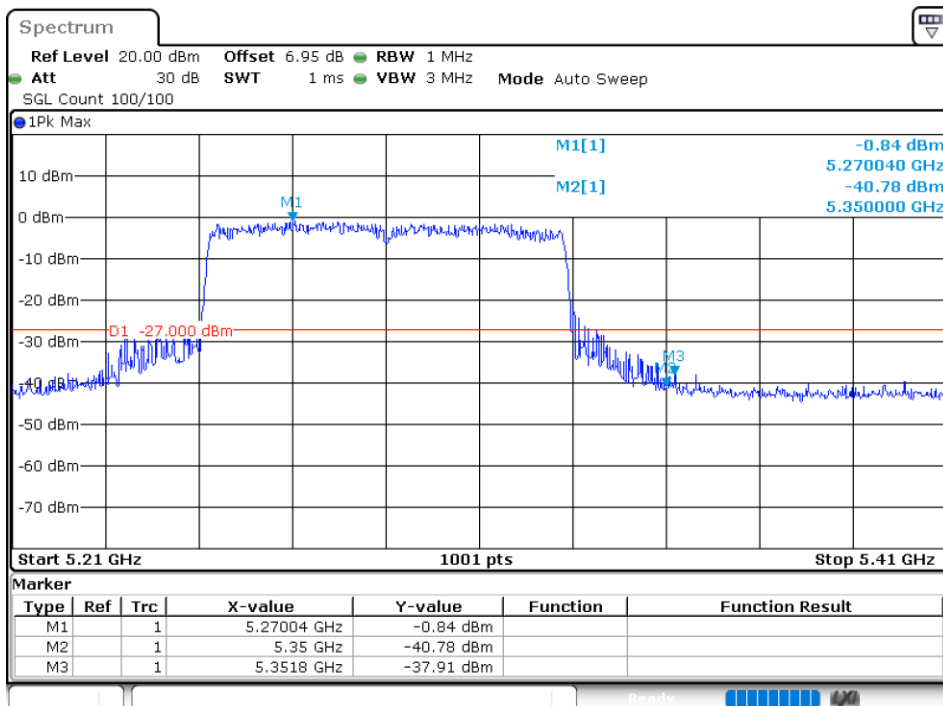
Band Edge NVNT ac40 5270MHz Low Ant1



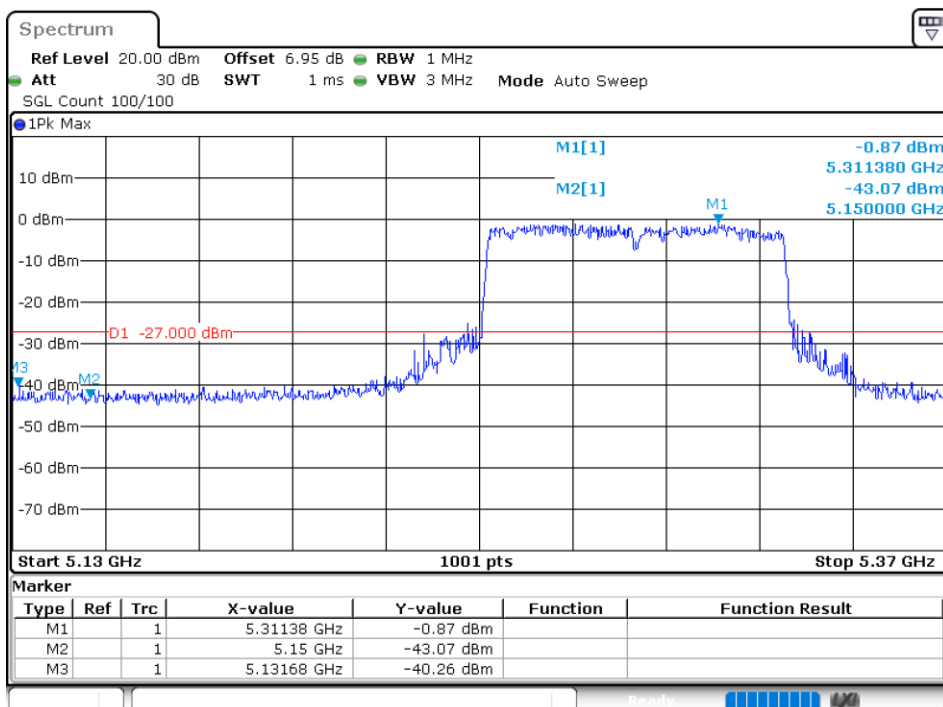
Band Edge NVNT ac40 5310MHz High Ant1



Band Edge NVNT ac80 5290MHz High Ant1



Band Edge NVNT ac80 5290MHz Low Ant1

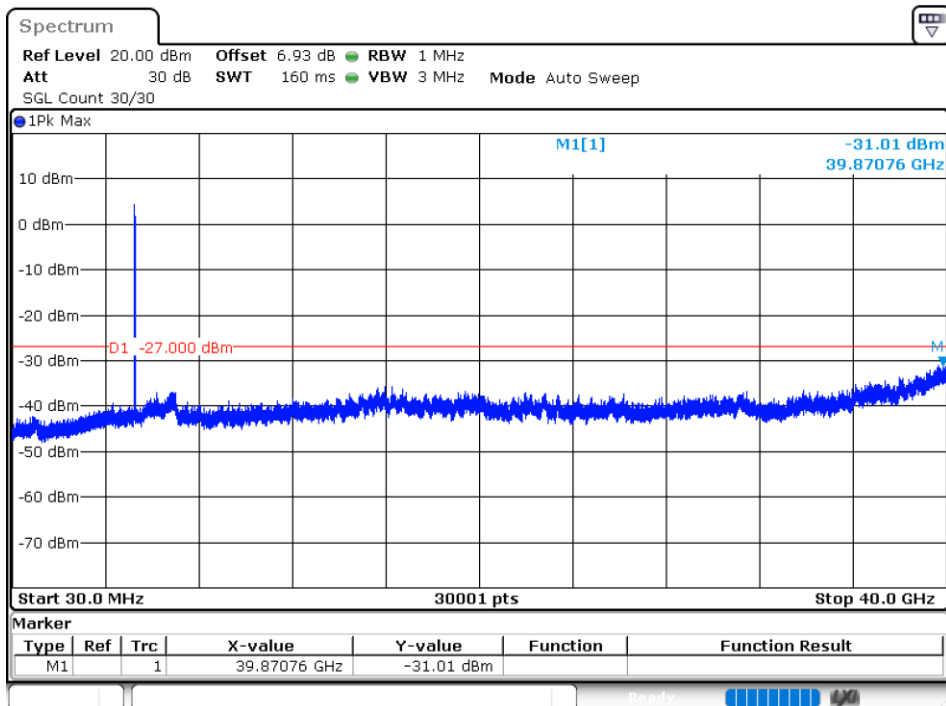


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-31	-27	Pass
NVNT	a	5280	Ant1	-31.13	-27	Pass
NVNT	a	5320	Ant1	-30.89	-27	Pass
NVNT	n20	5260	Ant1	-31.55	-27	Pass
NVNT	n20	5280	Ant1	-31.09	-27	Pass
NVNT	n20	5320	Ant1	-30.58	-27	Pass
NVNT	n40	5270	Ant1	-32.02	-27	Pass
NVNT	n40	5310	Ant1	-30.62	-27	Pass
NVNT	ac20	5260	Ant1	-31.18	-27	Pass
NVNT	ac20	5280	Ant1	-30.28	-27	Pass
NVNT	ac20	5320	Ant1	-30.27	-27	Pass
NVNT	ac40	5270	Ant1	-31.31	-27	Pass
NVNT	ac40	5310	Ant1	-31.11	-27	Pass
NVNT	ac80	5290	Ant1	-30.38	-27	Pass

Test Graphs

Tx. Spurious NVNT a 5260MHz Ant1 Emission



Tx. Spurious NVNT a 5280MHz Ant1 Emission

