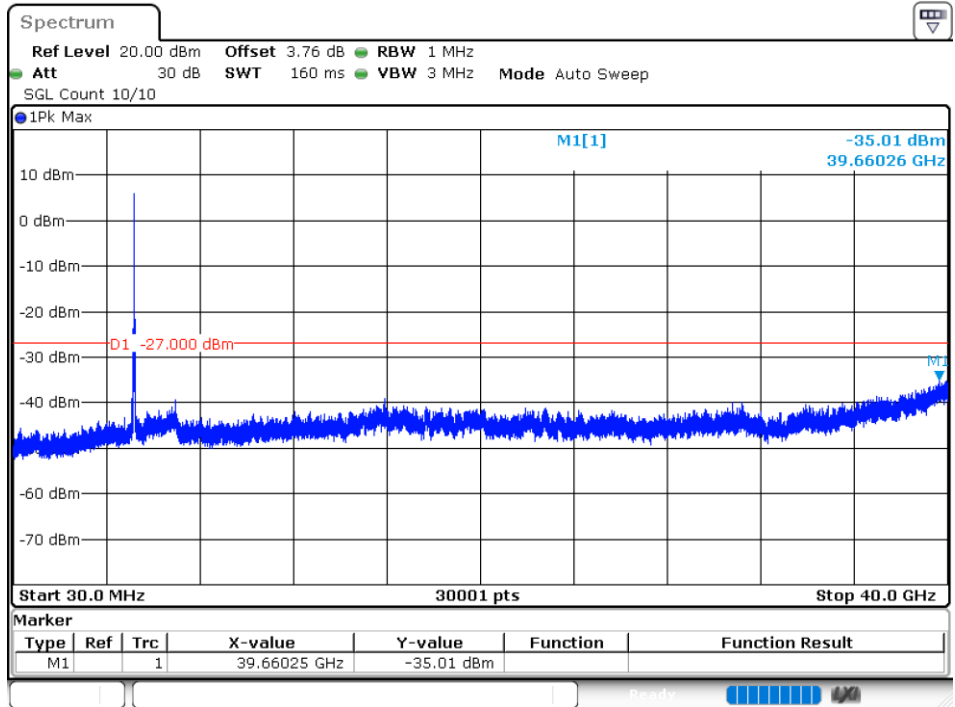
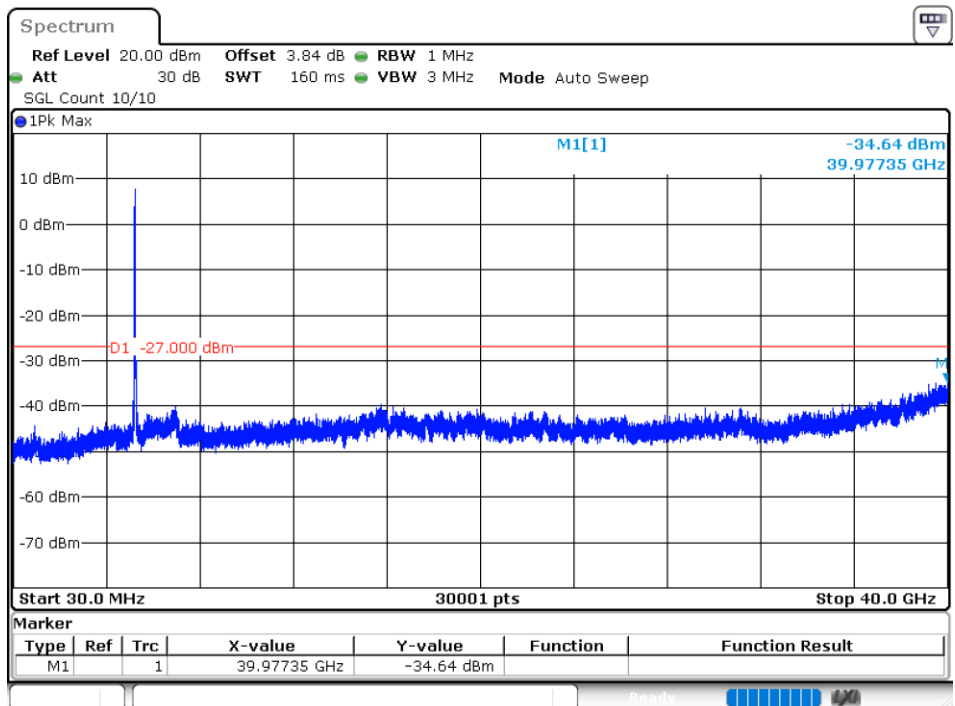


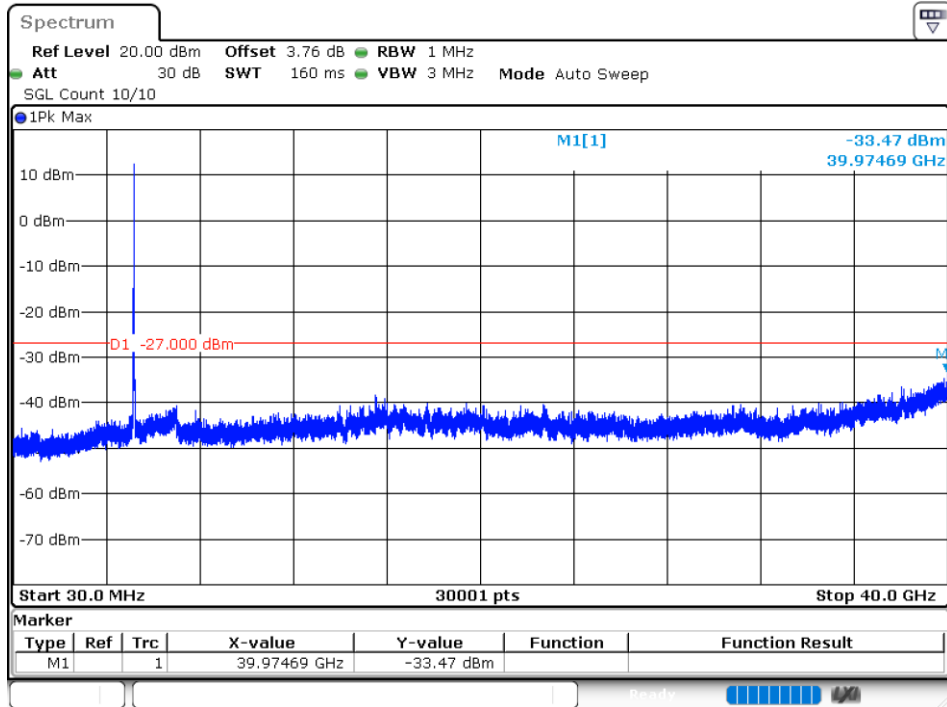
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



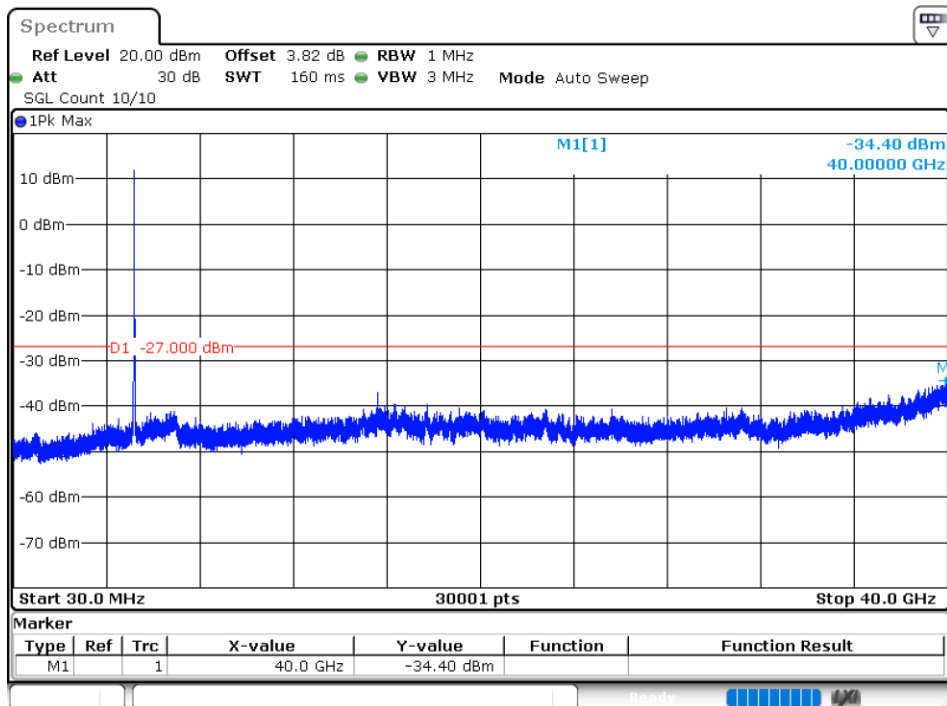
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



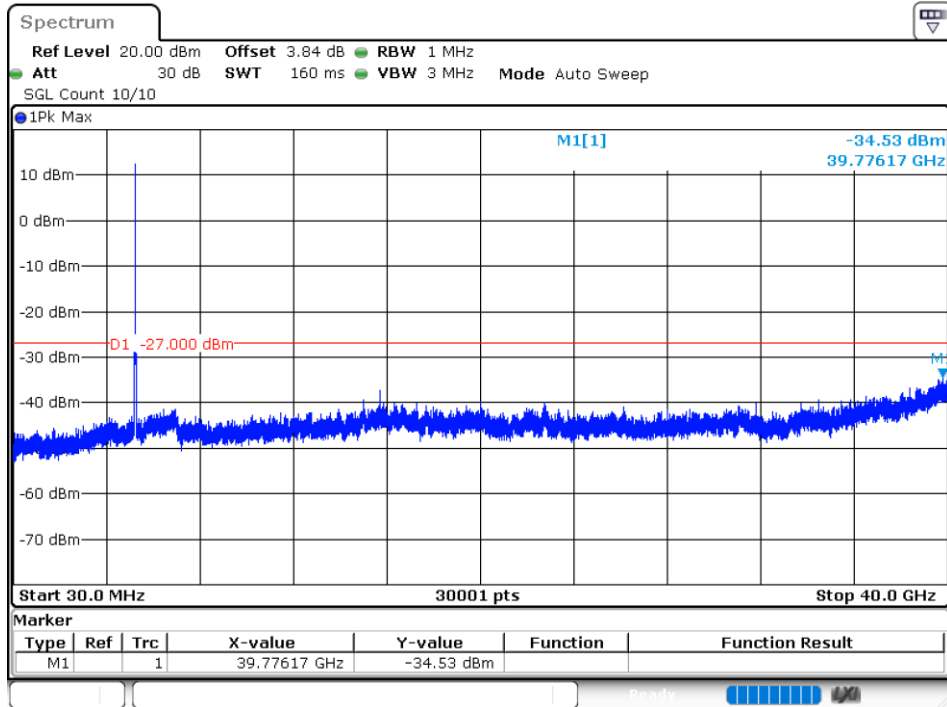
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



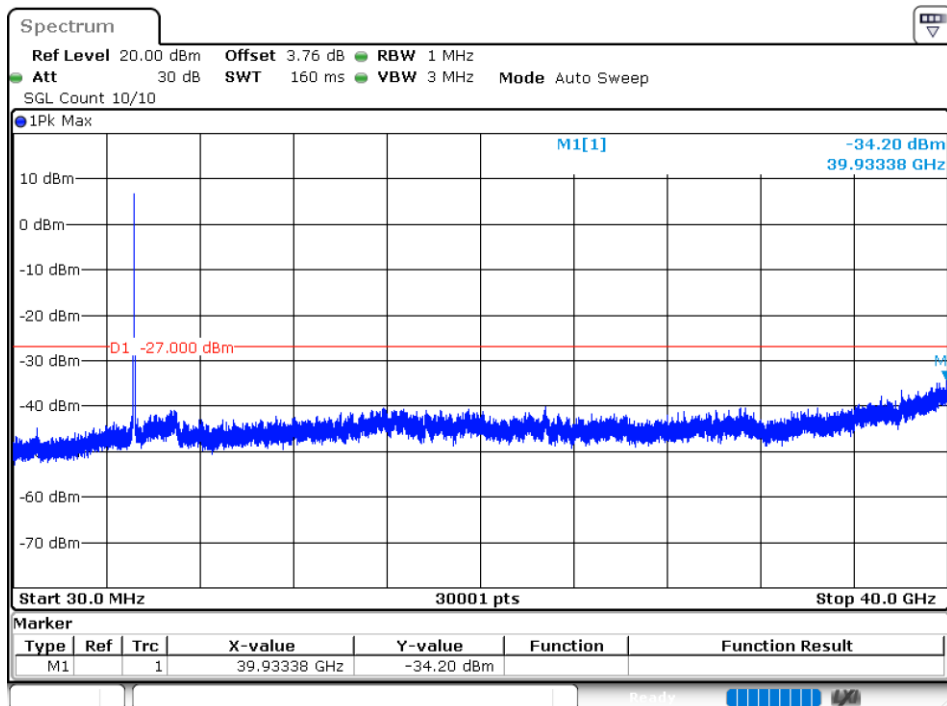
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



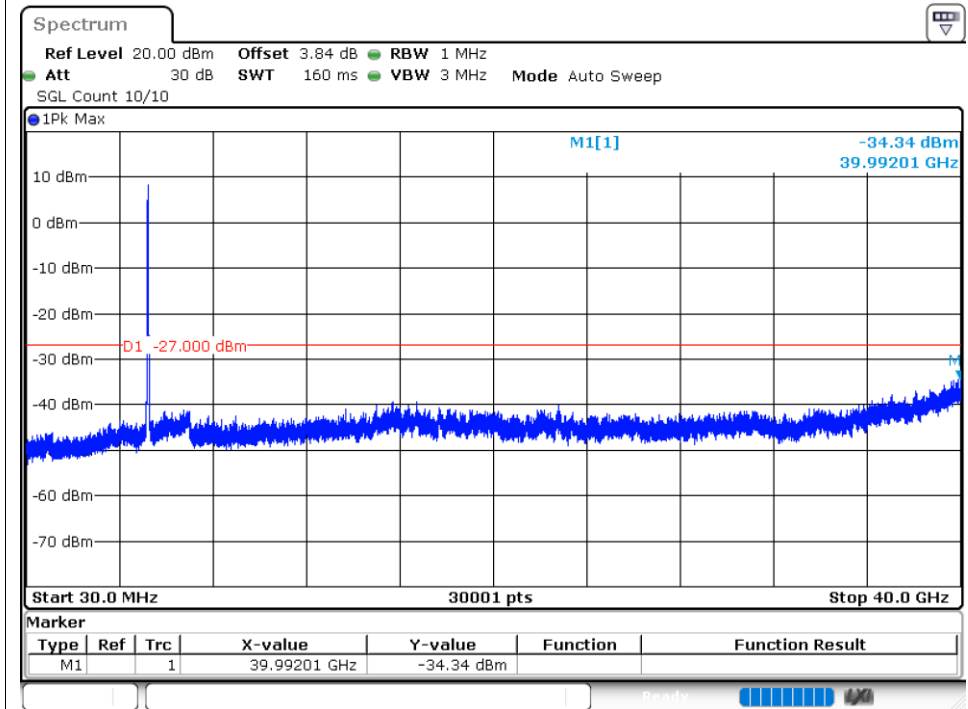
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



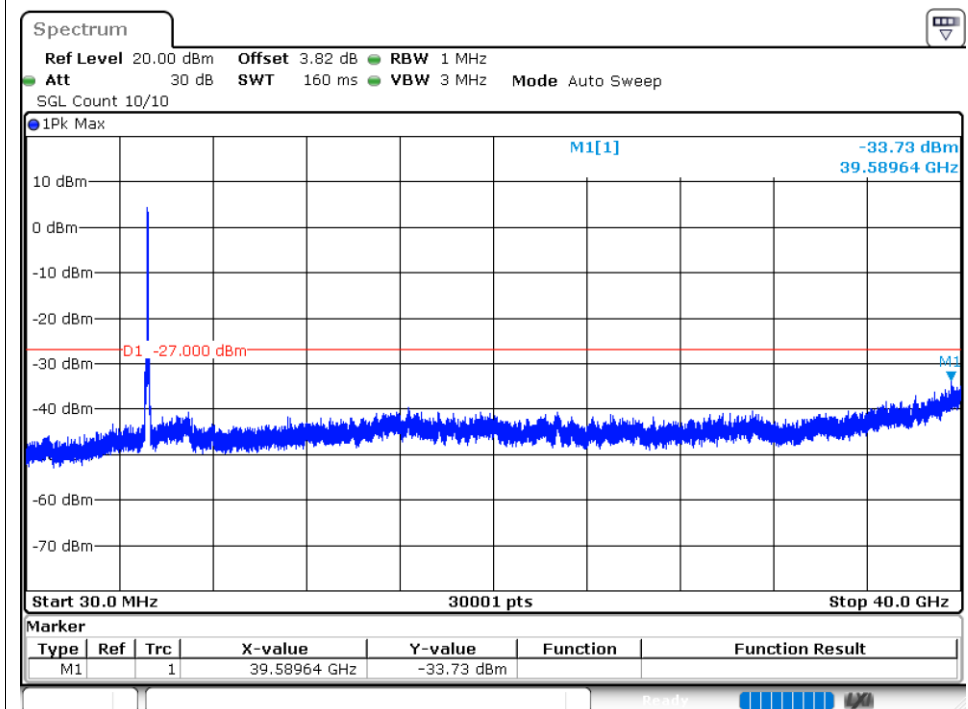
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



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	98.19	0.08	0.71
NVNT	a	5280	Ant1	98.16	0.08	0.72
NVNT	a	5320	Ant1	98.19	0.08	0.71
NVNT	n20	5260	Ant1	98.05	0.09	0.77
NVNT	n20	5280	Ant1	98.06	0.09	0.77
NVNT	n20	5320	Ant1	98.06	0.09	0.77
NVNT	n40	5270	Ant1	94.43	0.25	1.54
NVNT	n40	5310	Ant1	93.4	0.3	1.54
NVNT	ac20	5260	Ant1	98.1	0.08	0.76
NVNT	ac20	5280	Ant1	98.09	0.08	0.76
NVNT	ac20	5320	Ant1	98.1	0.08	0.76
NVNT	ac40	5270	Ant1	94.54	0.24	1.54
NVNT	ac40	5310	Ant1	94.67	0.24	1.54
NVNT	ac80	5290	Ant1	84.39	0.74	3.03

Test Graphs

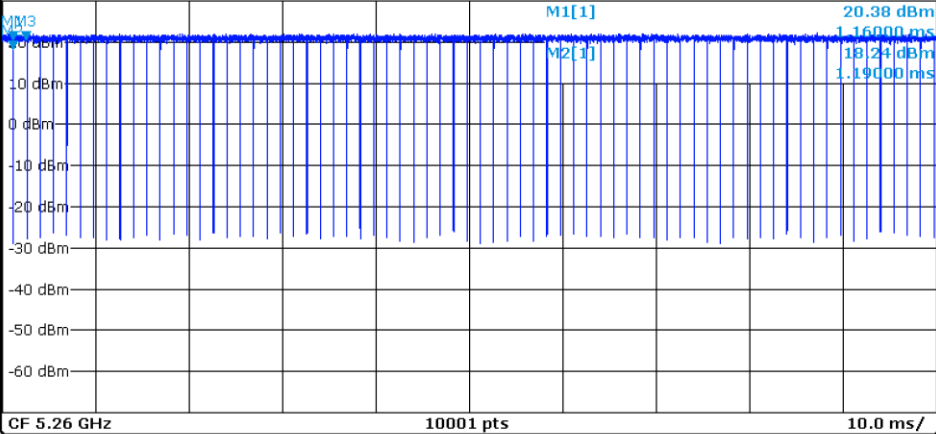
Duty Cycle NVNT a 5260MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.06 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz

SGL

1Pk Clrw



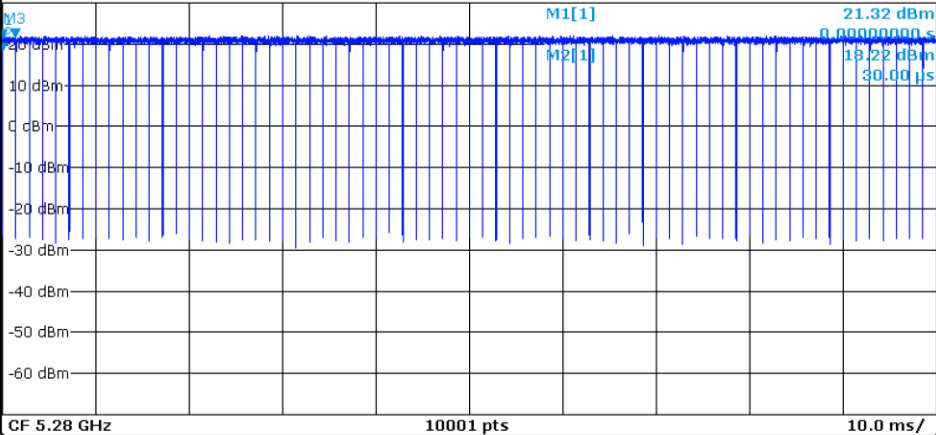
Duty Cycle NVNT a 5280MHz Ant1

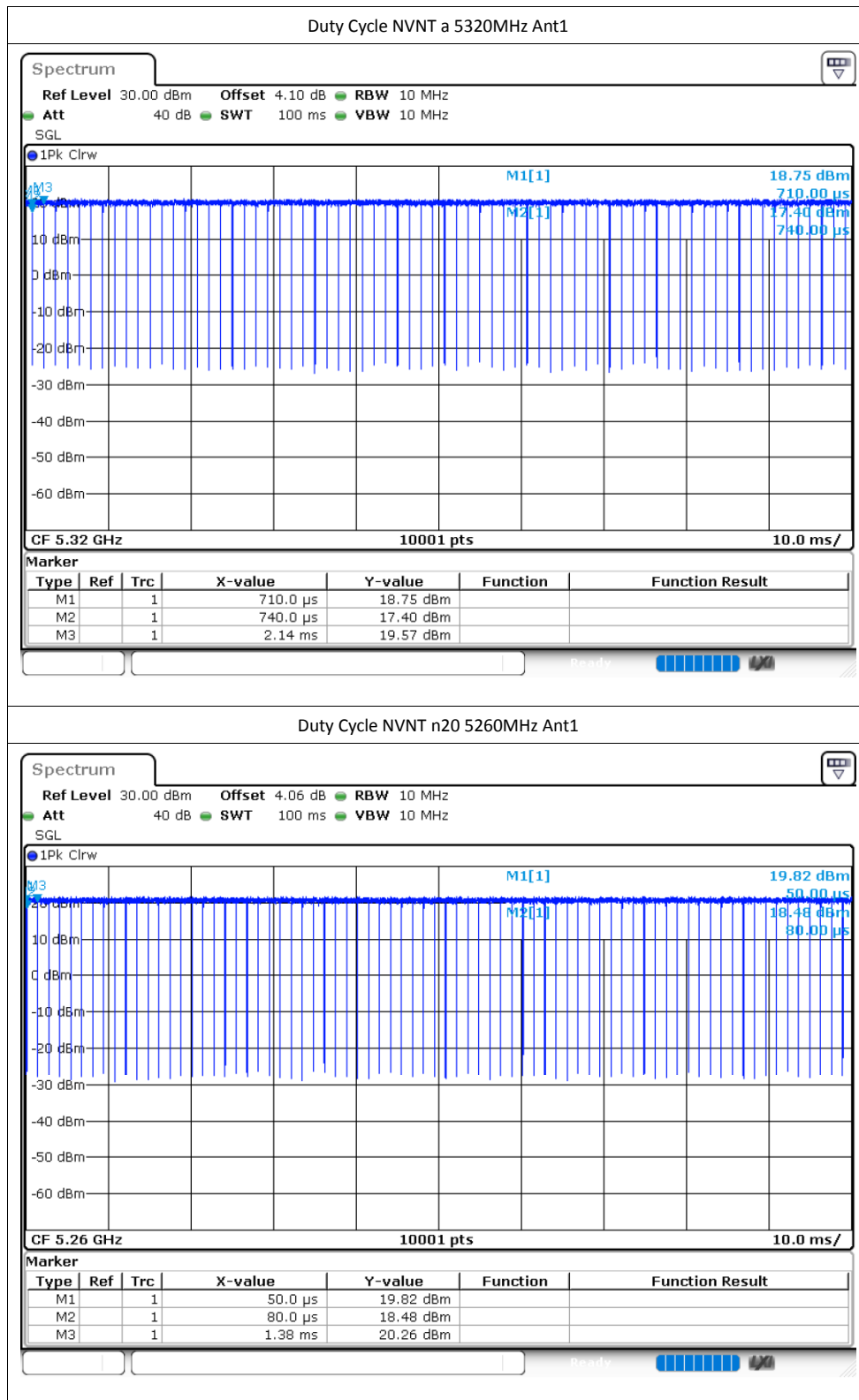
Spectrum

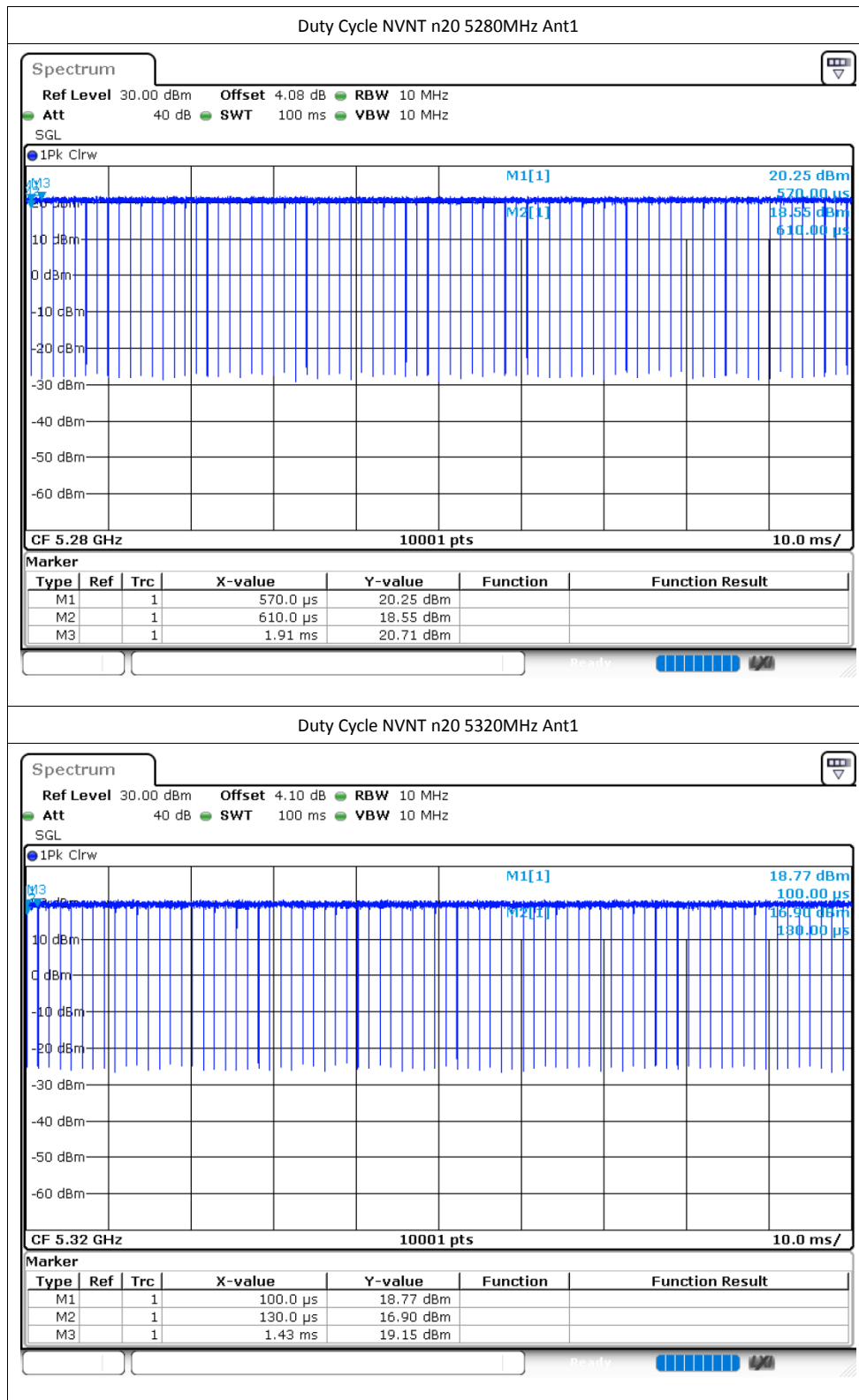
Ref Level 30.00 dBm Offset 4.08 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz

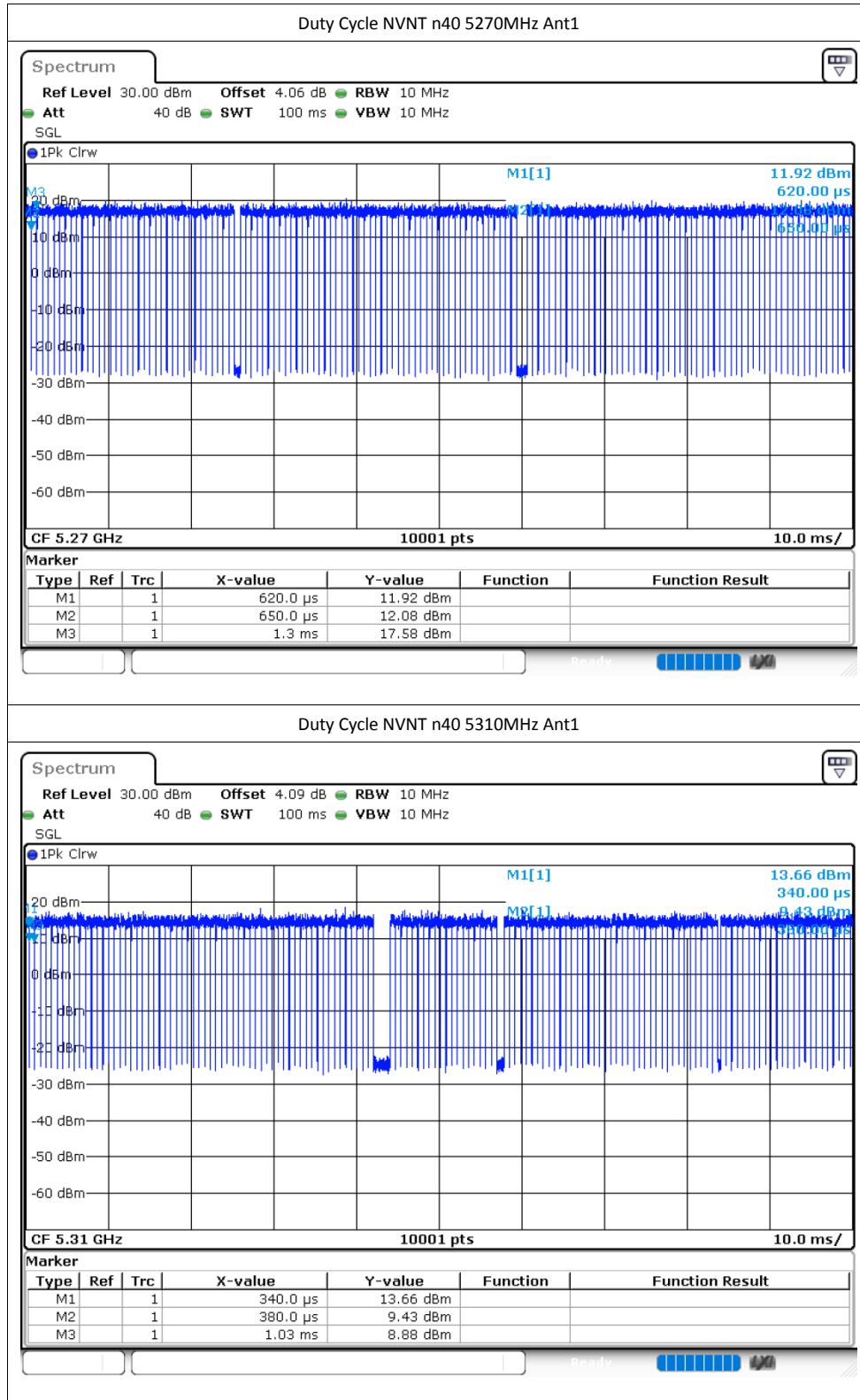
SGL

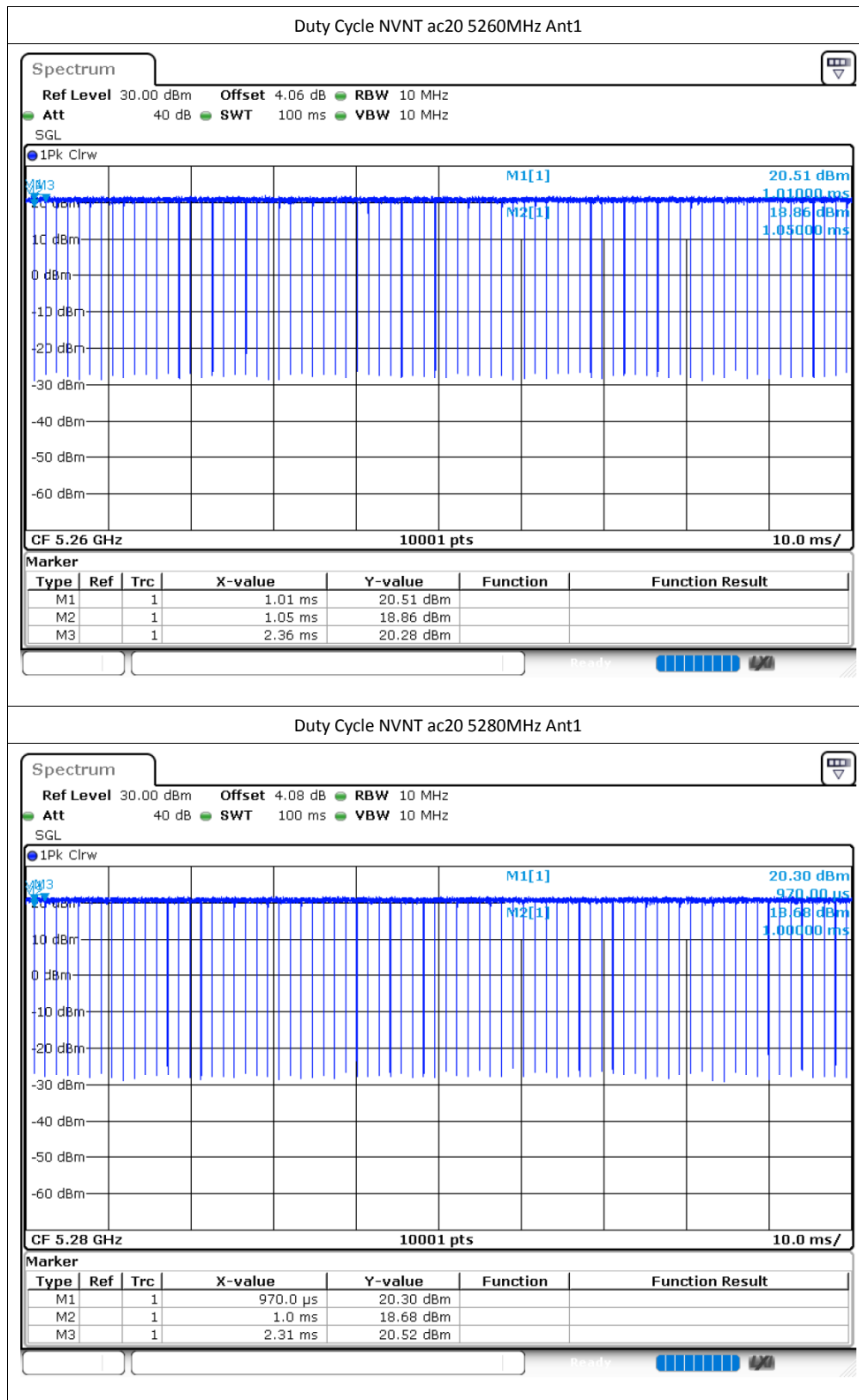
1Pk Clrw

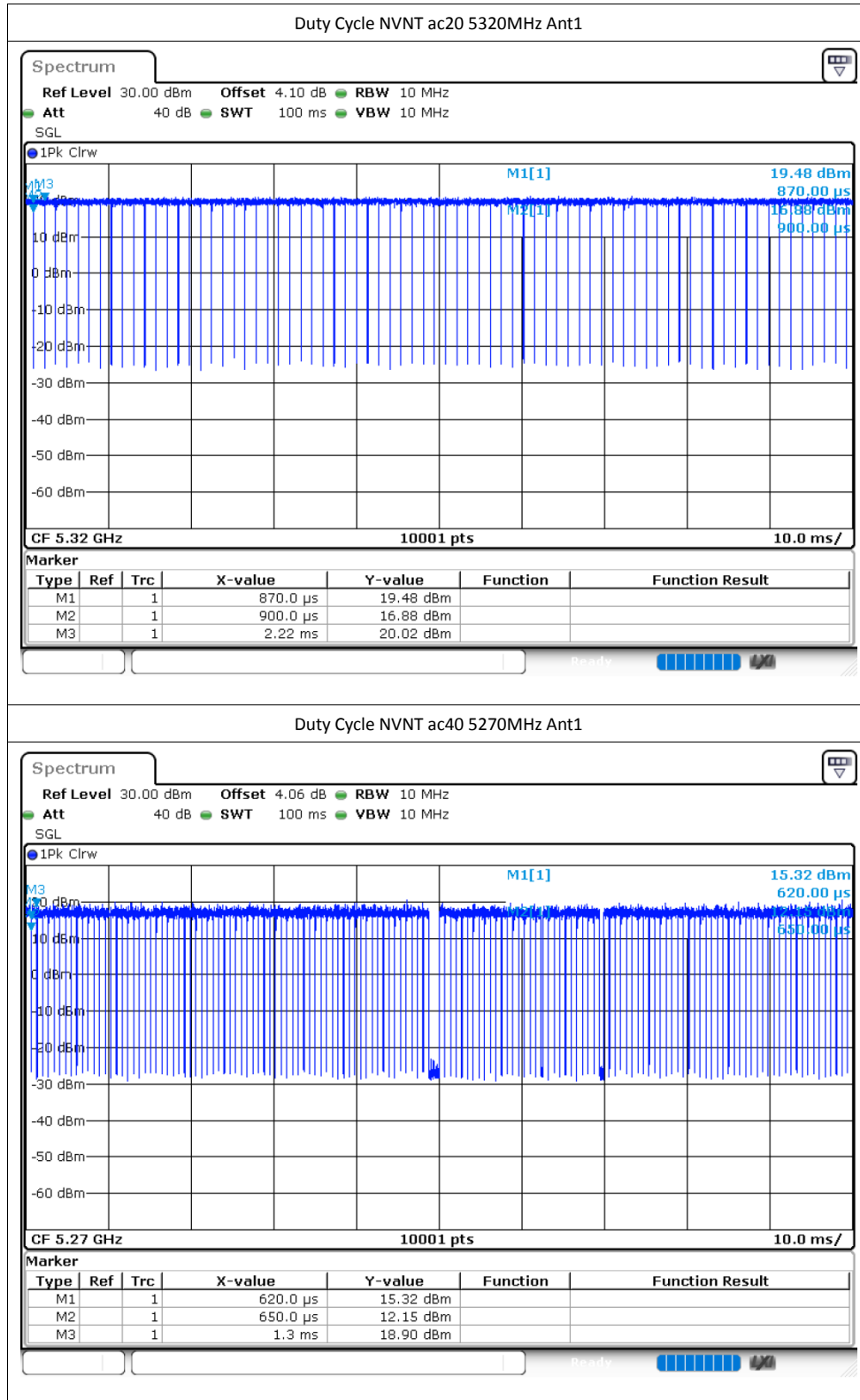


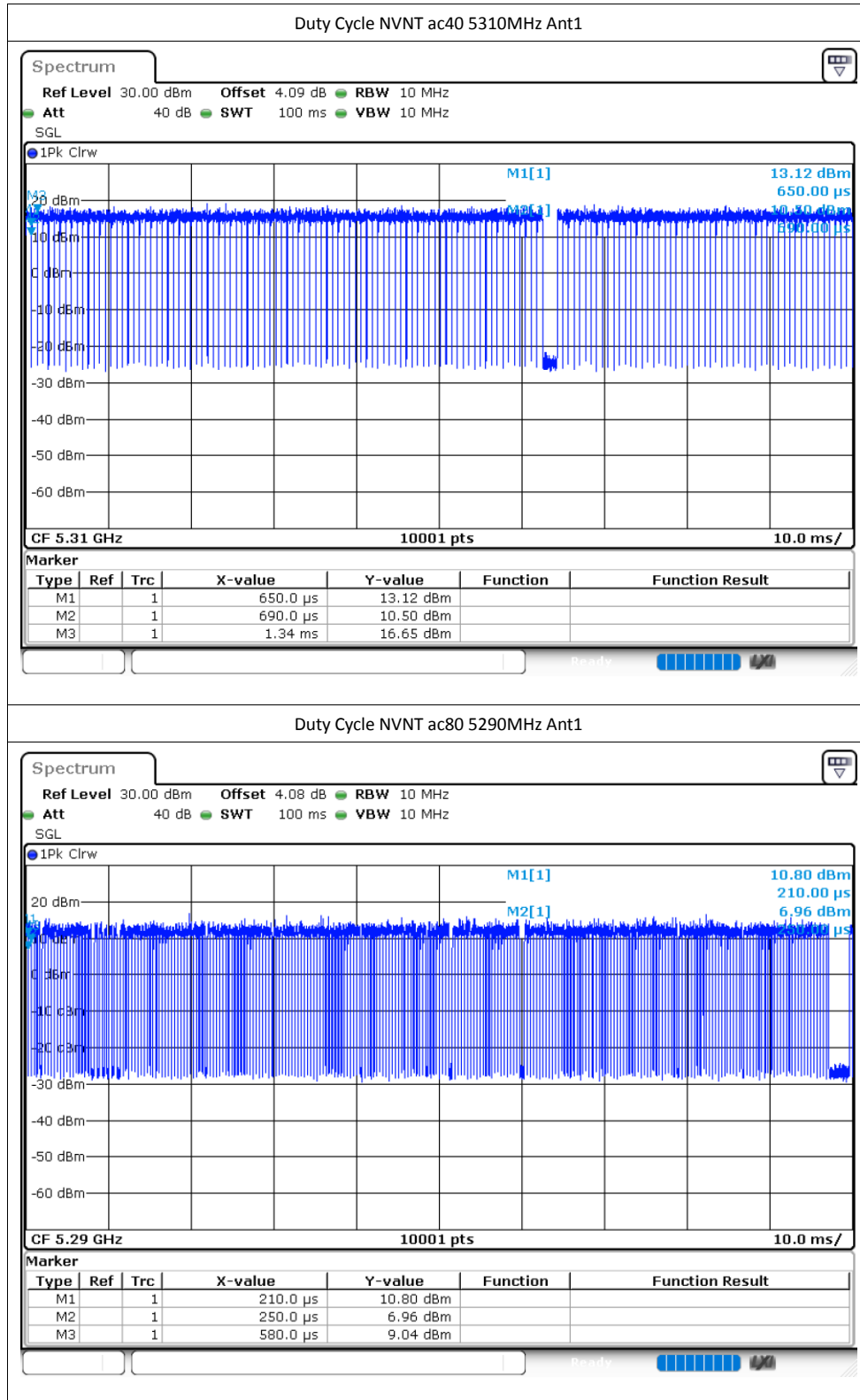












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	18.45	24	Pass
NVNT	a	5280	Ant1	18.23	24	Pass
NVNT	a	5300	Ant1	16.89	24	Pass
NVNT	n20	5260	Ant1	18.32	24	Pass
NVNT	n20	5280	Ant1	18.19	24	Pass
NVNT	n20	5320	Ant1	16.74	24	Pass
NVNT	n40	5270	Ant1	14.65	24	Pass
NVNT	n40	5310	Ant1	12.71	24	Pass
NVNT	ac20	5260	Ant1	18.38	24	Pass
NVNT	ac20	5280	Ant1	18.22	24	Pass
NVNT	ac20	5320	Ant1	16.67	24	Pass
NVNT	ac40	5270	Ant1	14.75	24	Pass
NVNT	ac40	5310	Ant1	12.69	24	Pass
NVNT	ac80	5290	Ant1	12.78	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	20.61	Pass
NVNT	a	5280	Ant1	27.906	Pass
NVNT	a	5320	Ant1	24.171	Pass
NVNT	n20	5260	Ant1	27.849	Pass
NVNT	n20	5280	Ant1	29.295	Pass
NVNT	n20	5320	Ant1	20.175	Pass
NVNT	n40	5270	Ant1	45.24	Pass
NVNT	n40	5310	Ant1	40.926	Pass
NVNT	ac20	5260	Ant1	28.146	Pass
NVNT	ac20	5280	Ant1	28.557	Pass
NVNT	ac20	5320	Ant1	24.591	Pass
NVNT	ac40	5270	Ant1	42.408	Pass
NVNT	ac40	5310	Ant1	40.926	Pass
NVNT	ac80	5290	Ant1	81.252	Pass

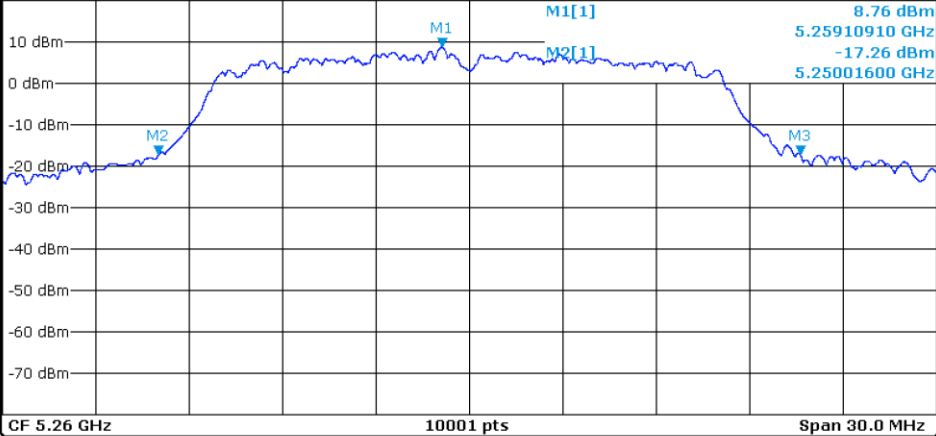
Test Graphs

-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



Marker

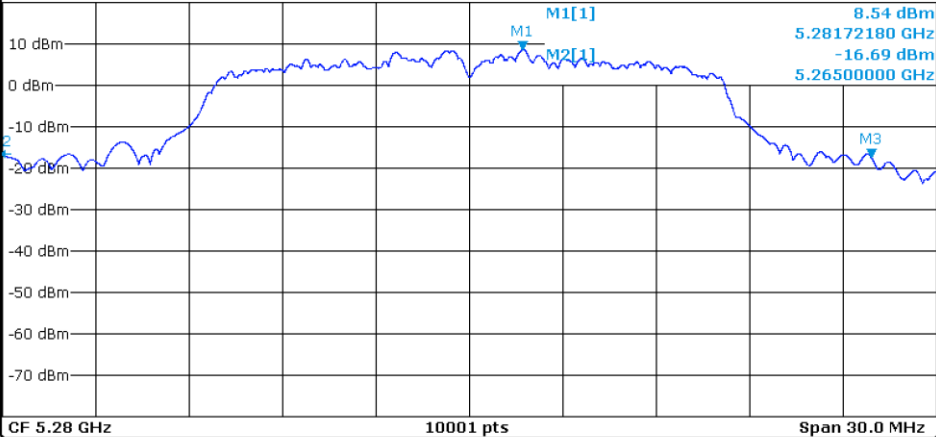
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2591091 GHz	8.76 dBm		
M2	1		5.250016 GHz	-17.26 dBm		
M3	1		5.270626 GHz	-17.23 dBm		

-26dB Bandwidth NVNT a 5280MHz Ant1

Spectrum

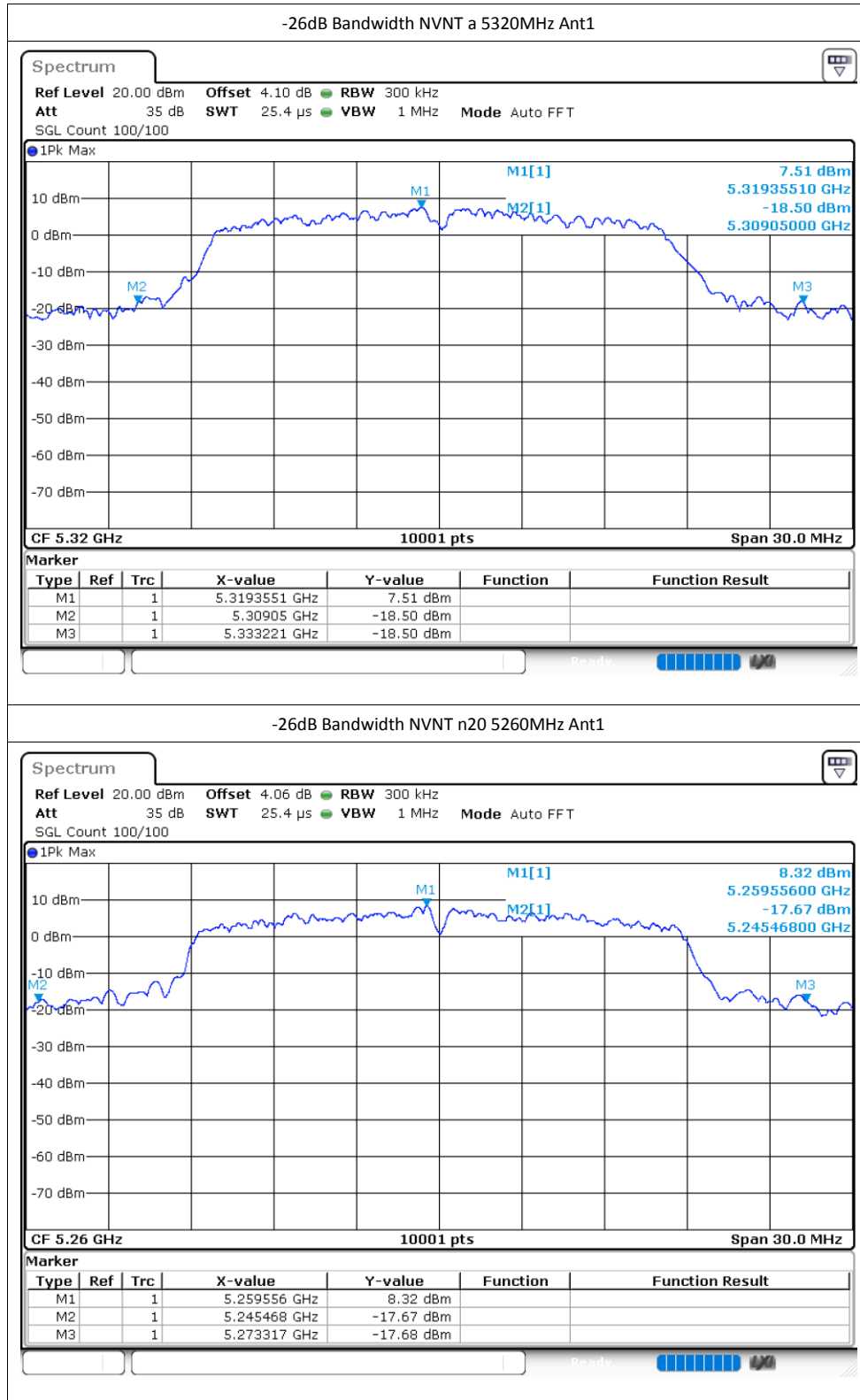
Ref Level 20.00 dBm Offset 4.08 dB RBW 300 kHz
 Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
 SGL Count 100/100

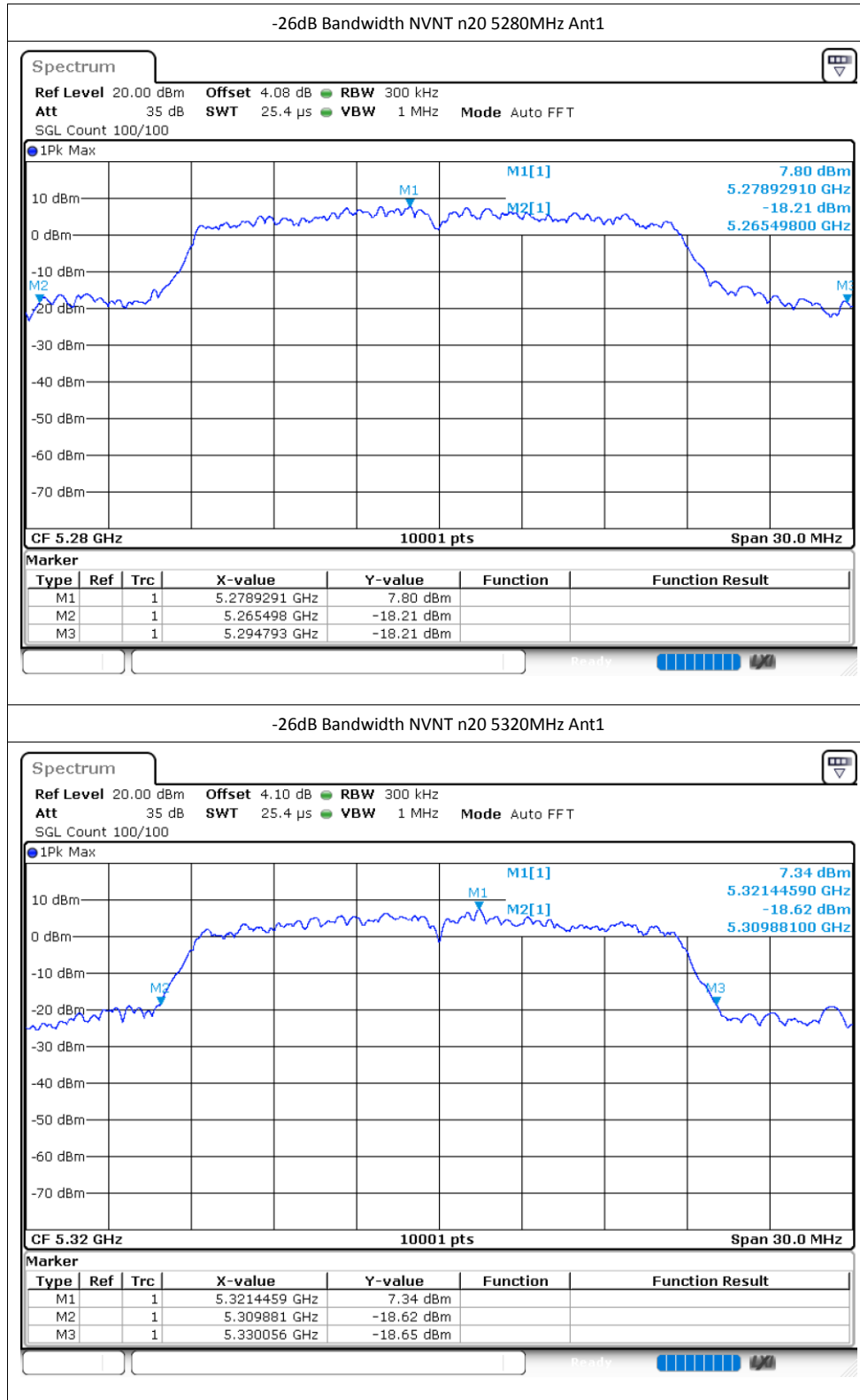
1Pk Max

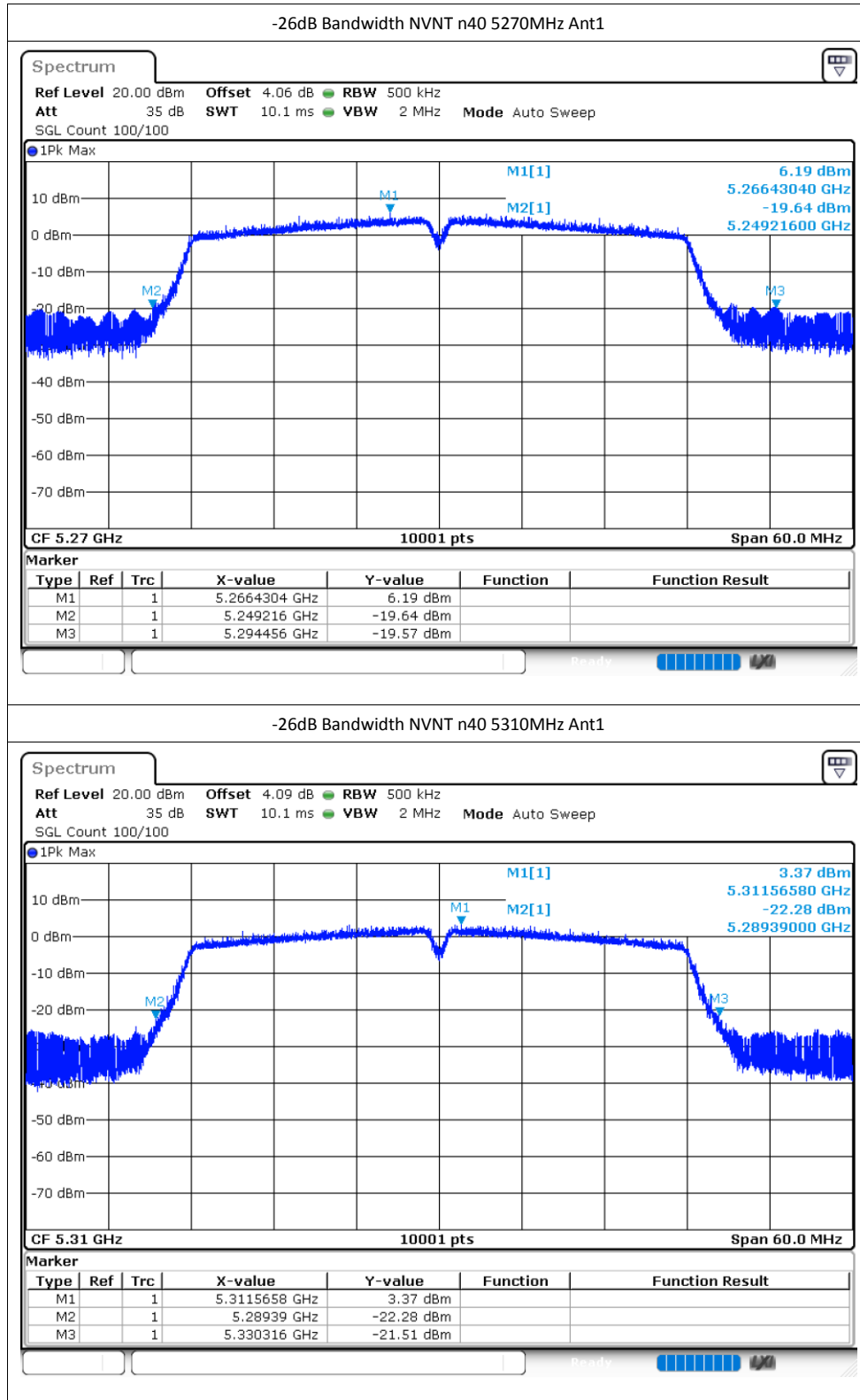


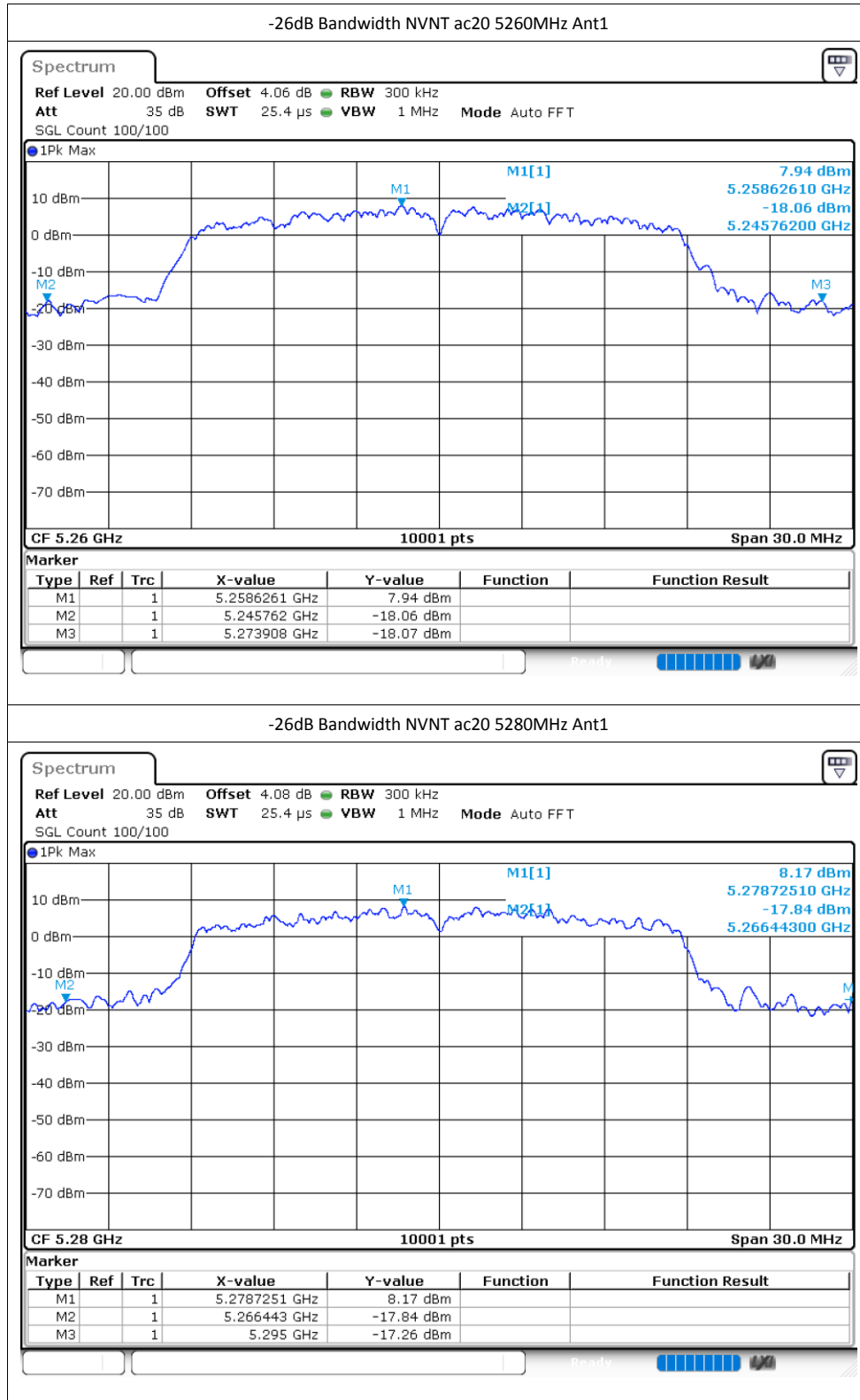
Marker

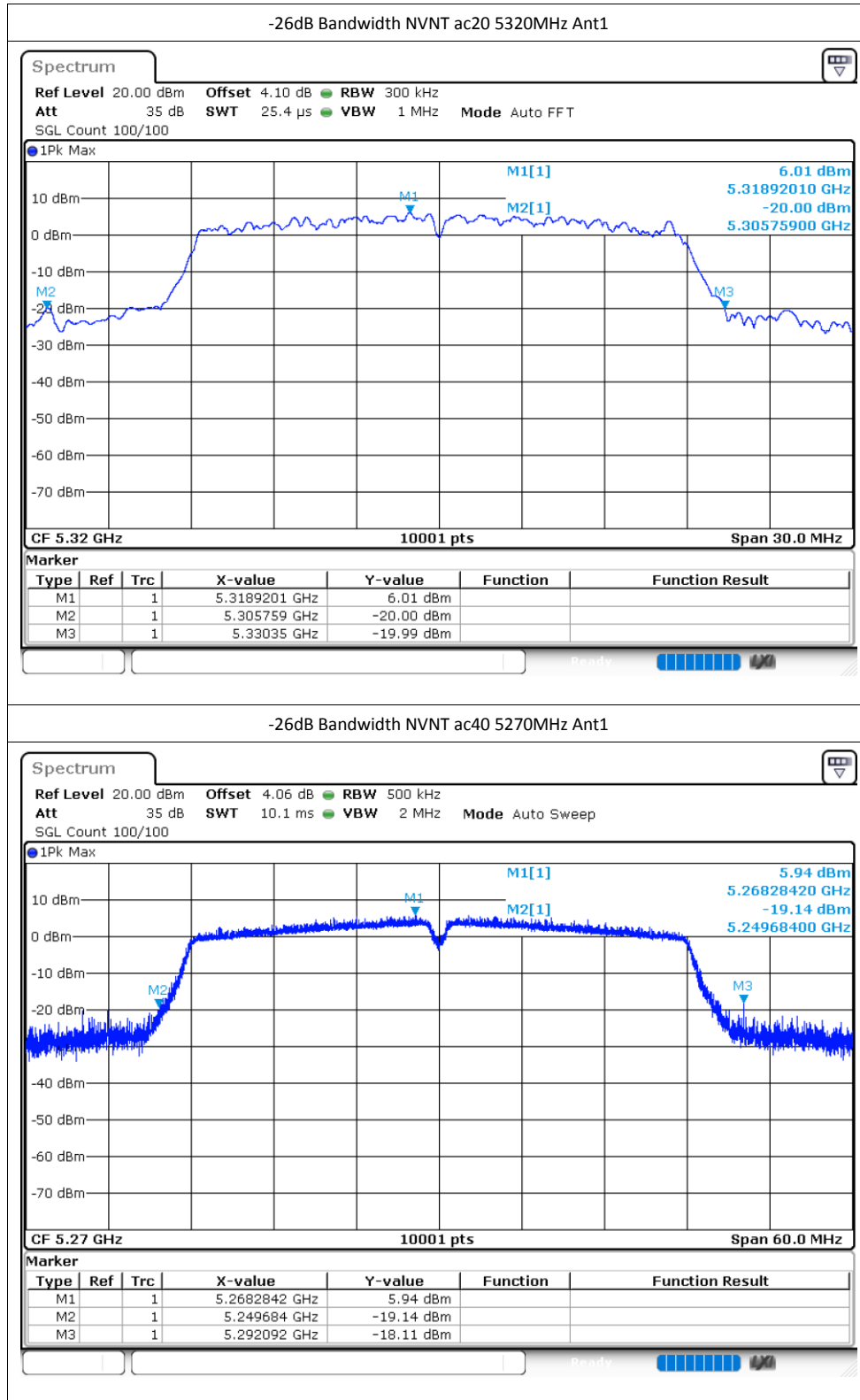
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2817218 GHz	8.54 dBm		
M2	1		5.265 GHz	-16.69 dBm		
M3	1		5.292906 GHz	-17.46 dBm		

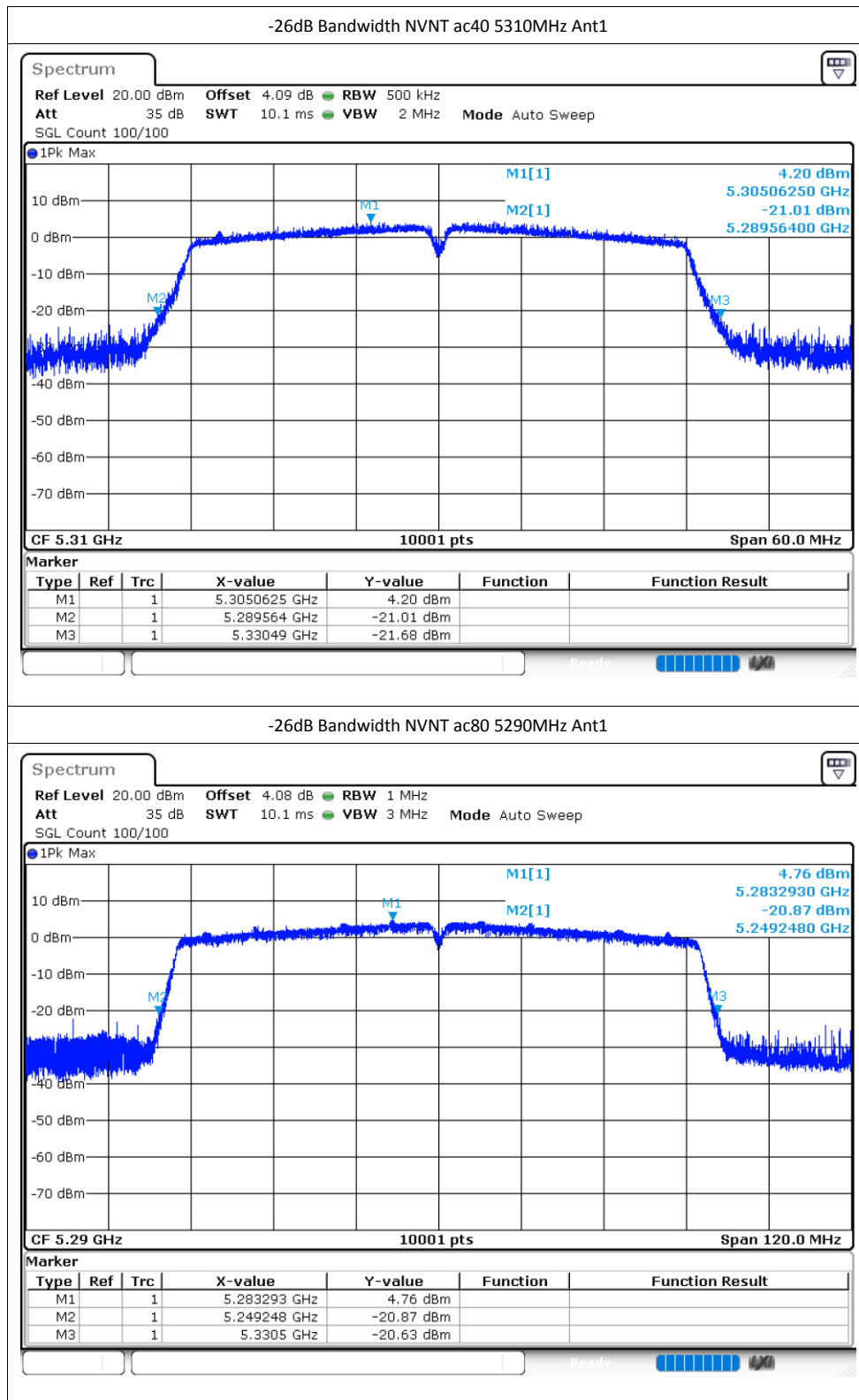










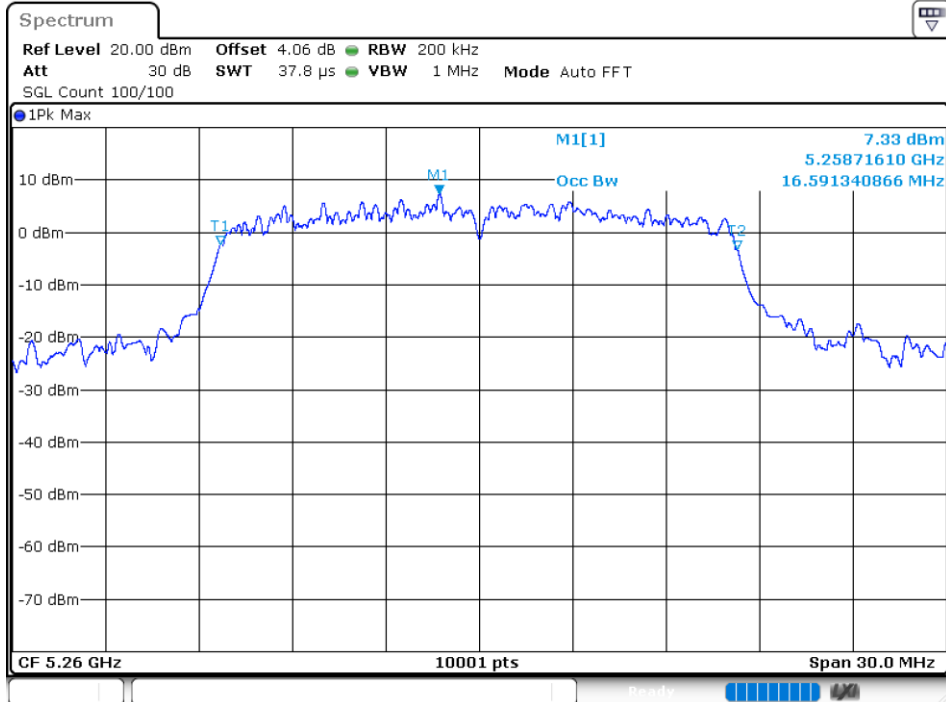


Occupied Channel Bandwidth

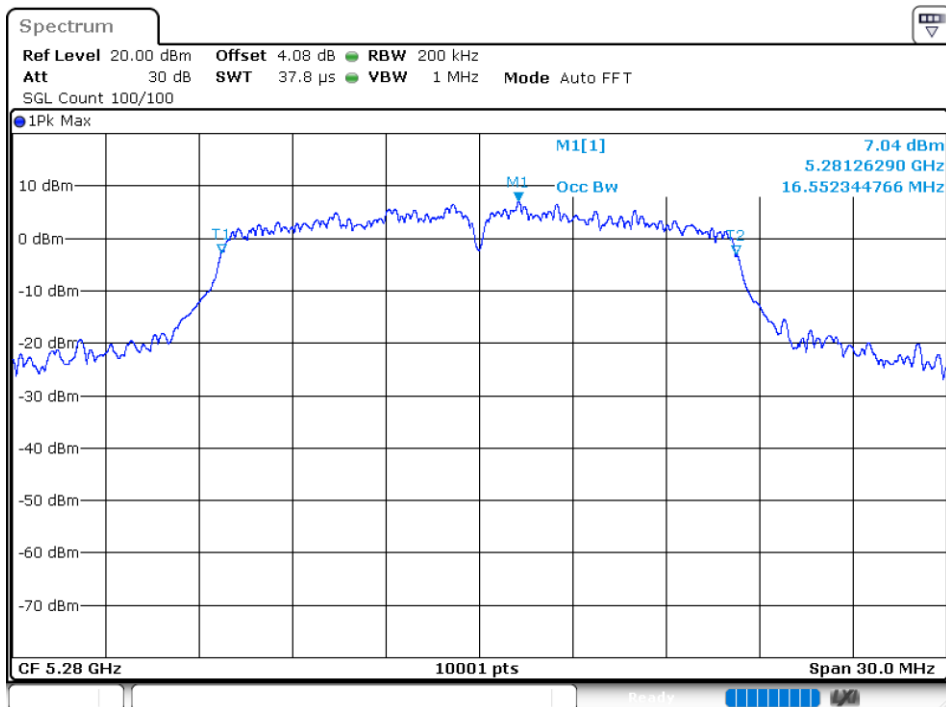
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.591
NVNT	a	5280	Ant1	16.552
NVNT	a	5320	Ant1	16.63
NVNT	n20	5260	Ant1	17.611
NVNT	n20	5280	Ant1	17.647
NVNT	n20	5320	Ant1	17.581
NVNT	n40	5270	Ant1	36.092
NVNT	n40	5310	Ant1	36.026
NVNT	ac20	5260	Ant1	17.737
NVNT	ac20	5280	Ant1	17.785
NVNT	ac20	5320	Ant1	17.683
NVNT	ac40	5270	Ant1	36.032
NVNT	ac40	5310	Ant1	36.026
NVNT	ac80	5290	Ant1	75.076

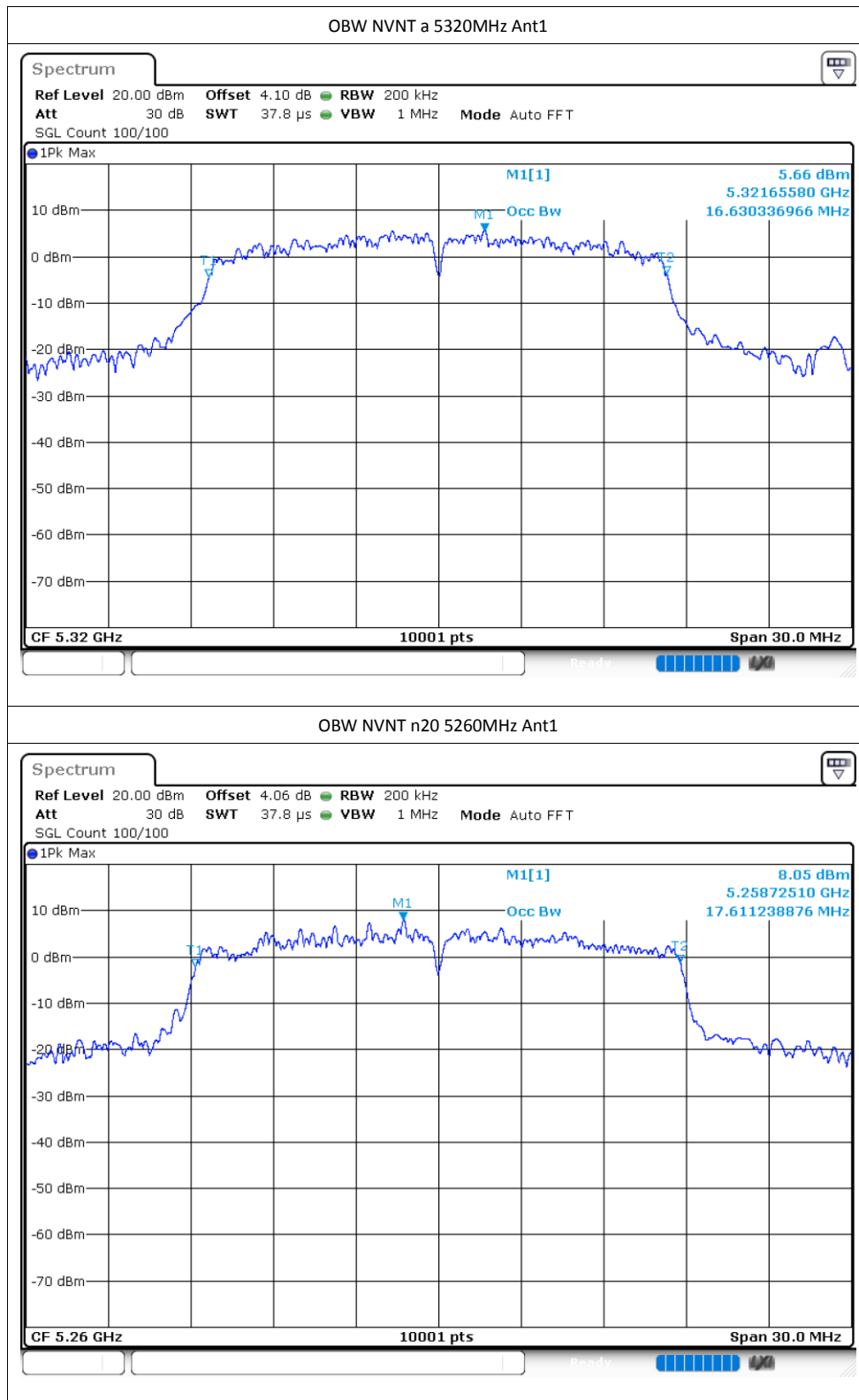
Test Graphs

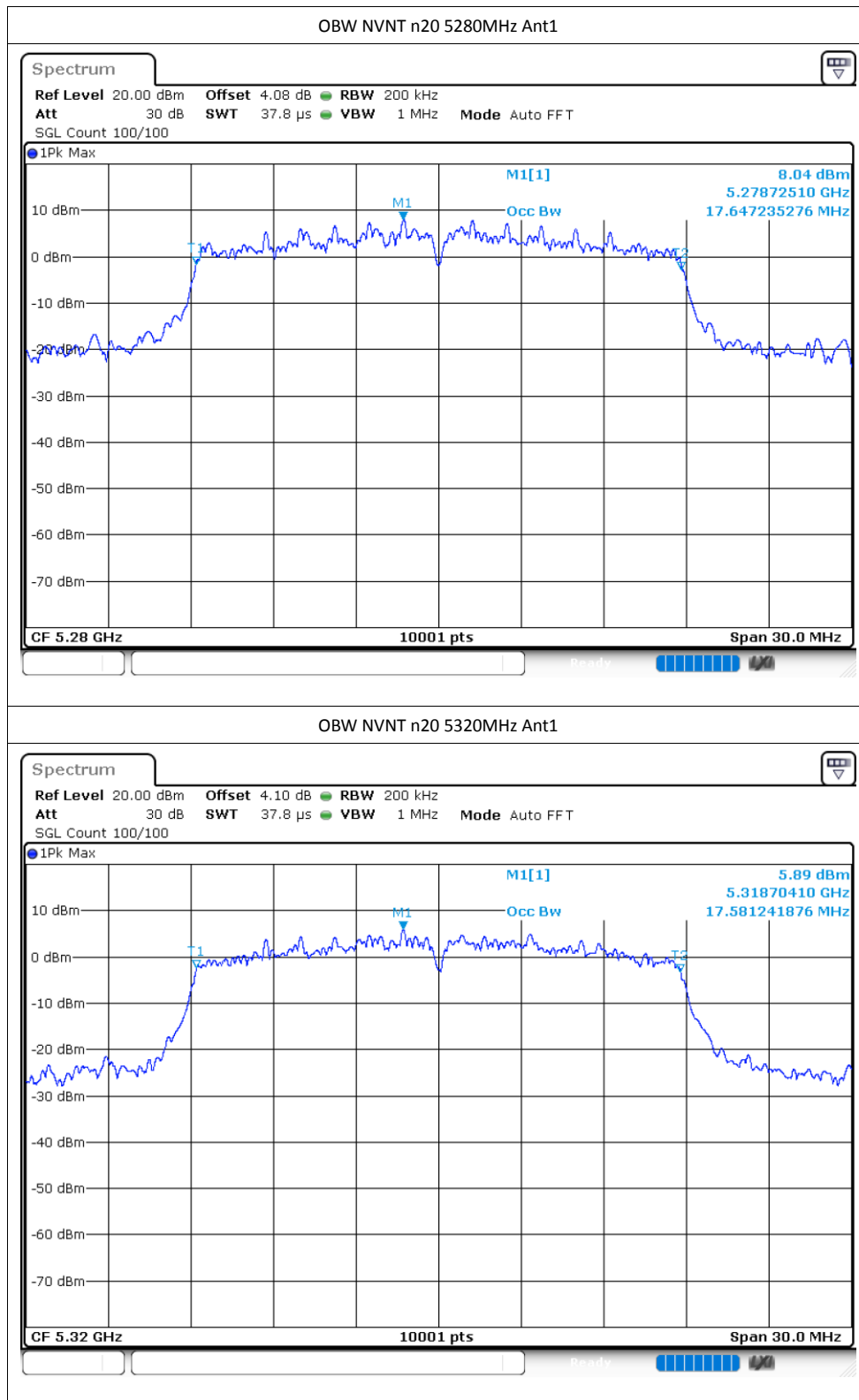
OBW NVNT a 5260MHz Ant1

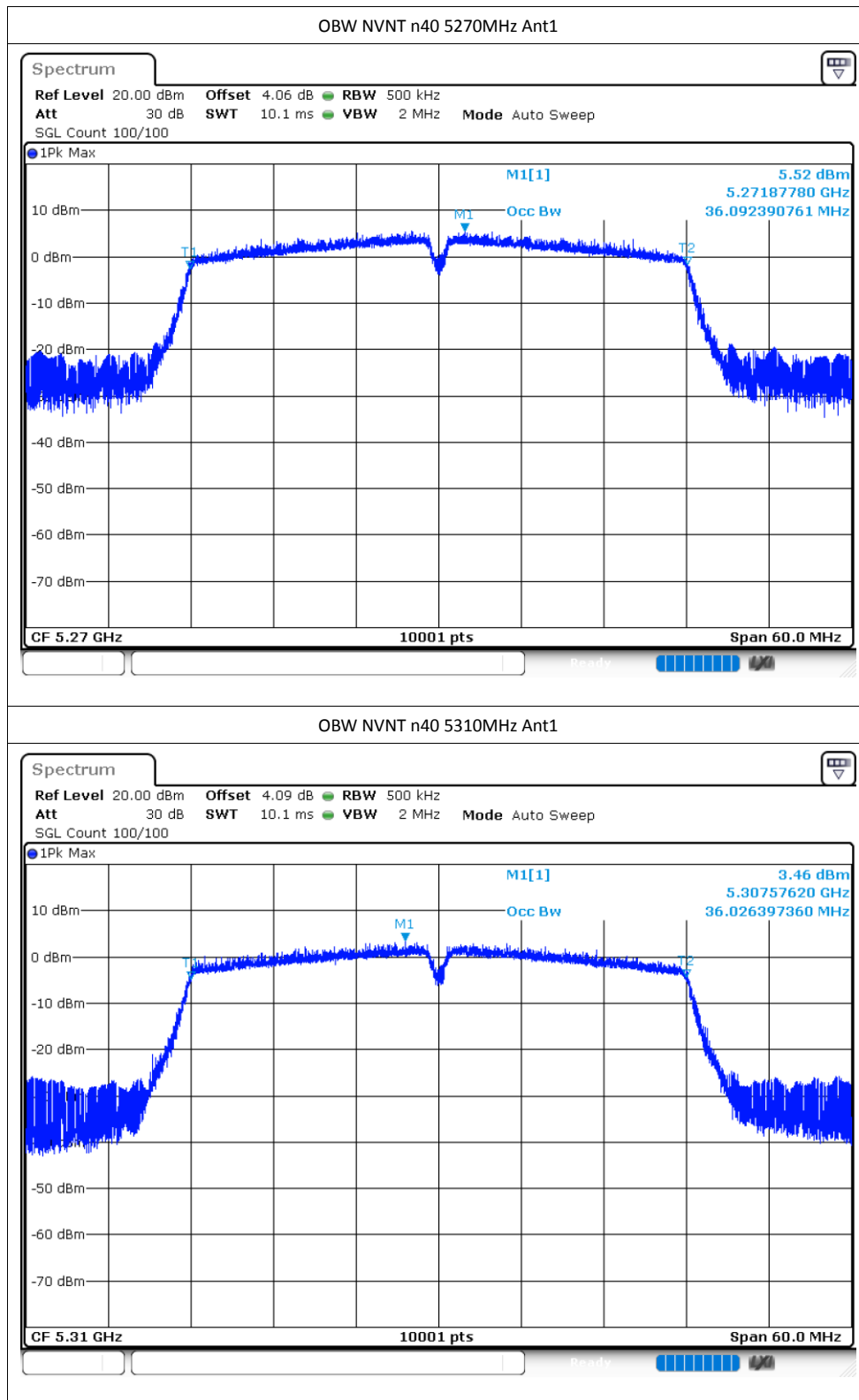


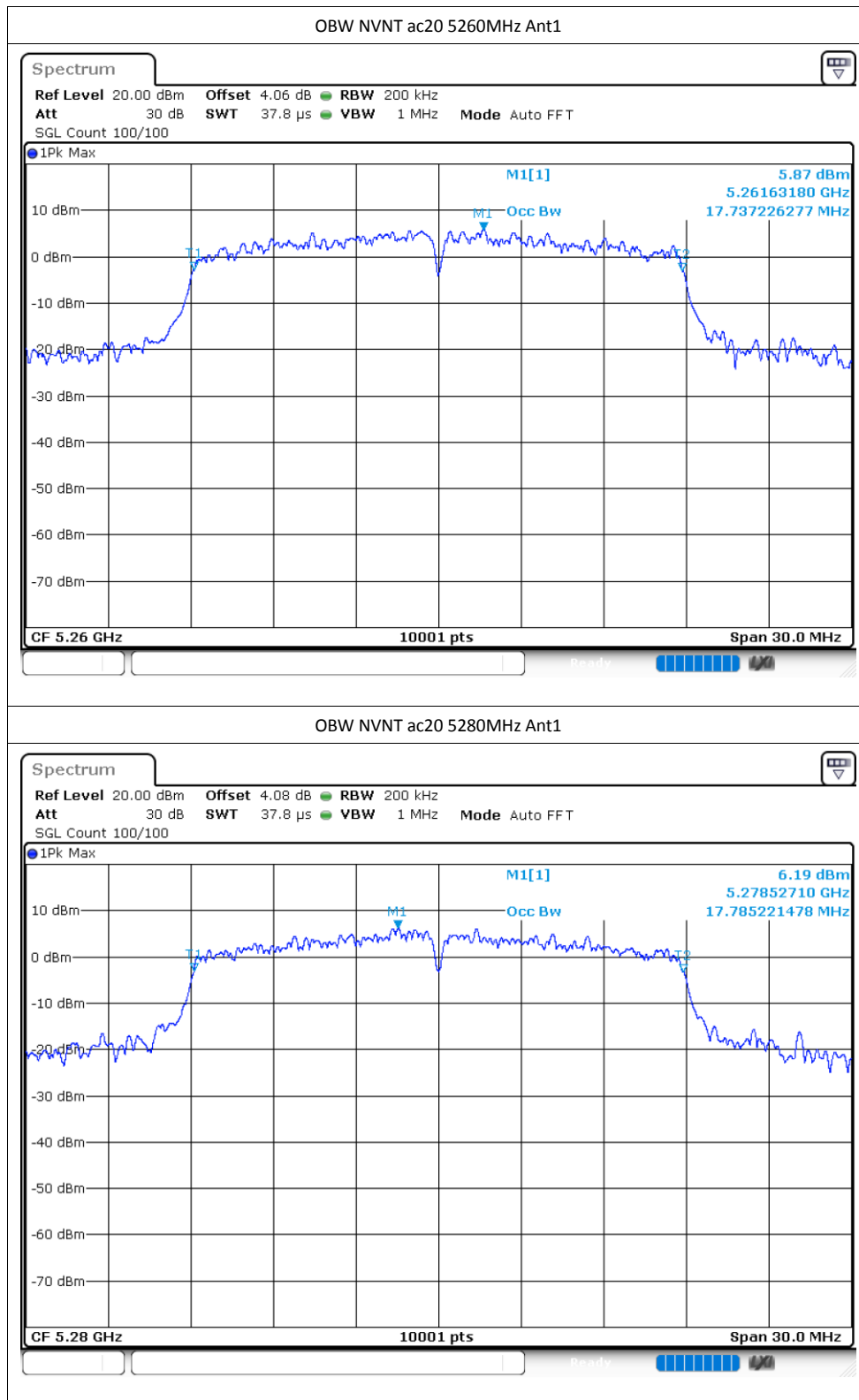
OBW NVNT a 5280MHz Ant1

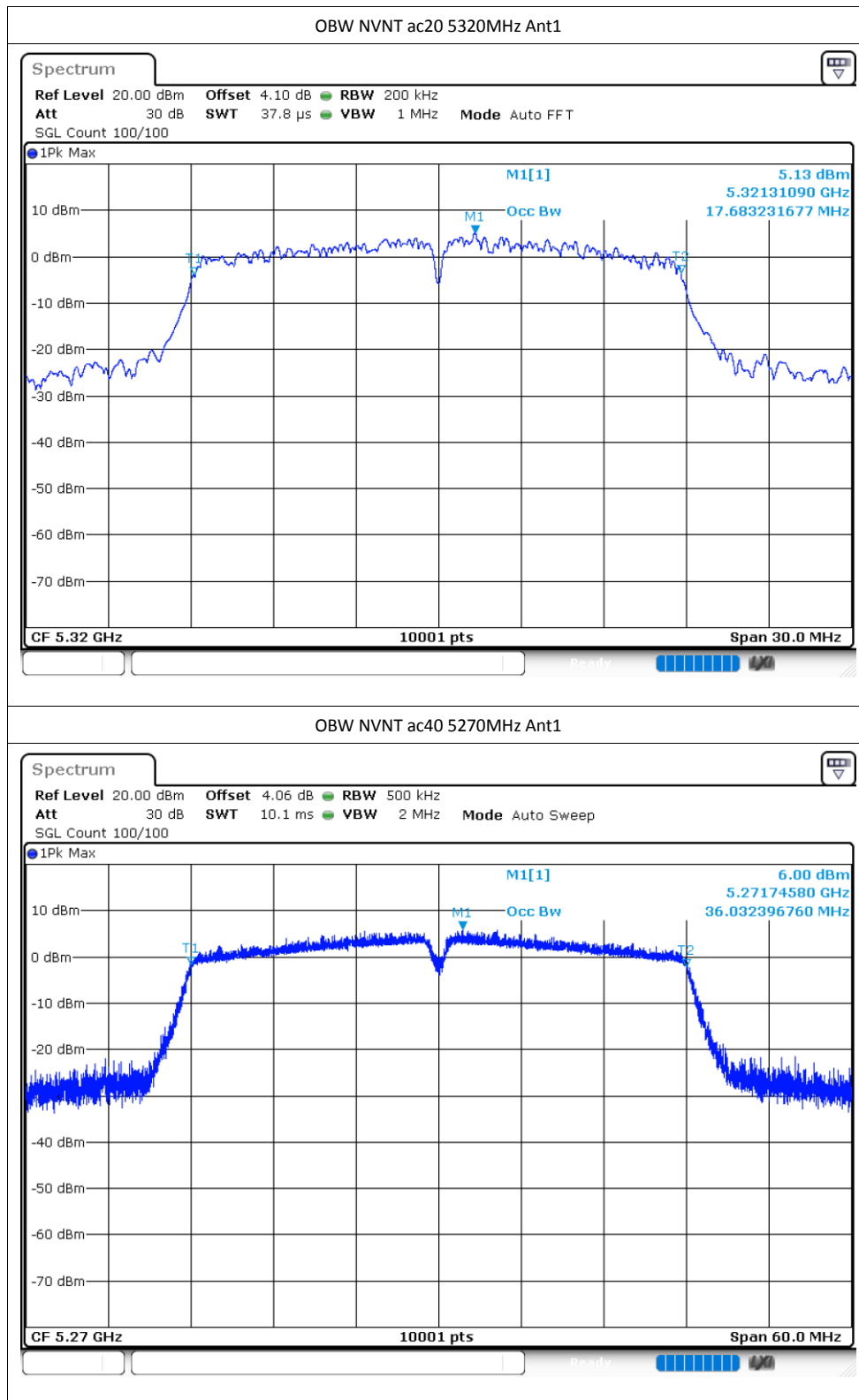


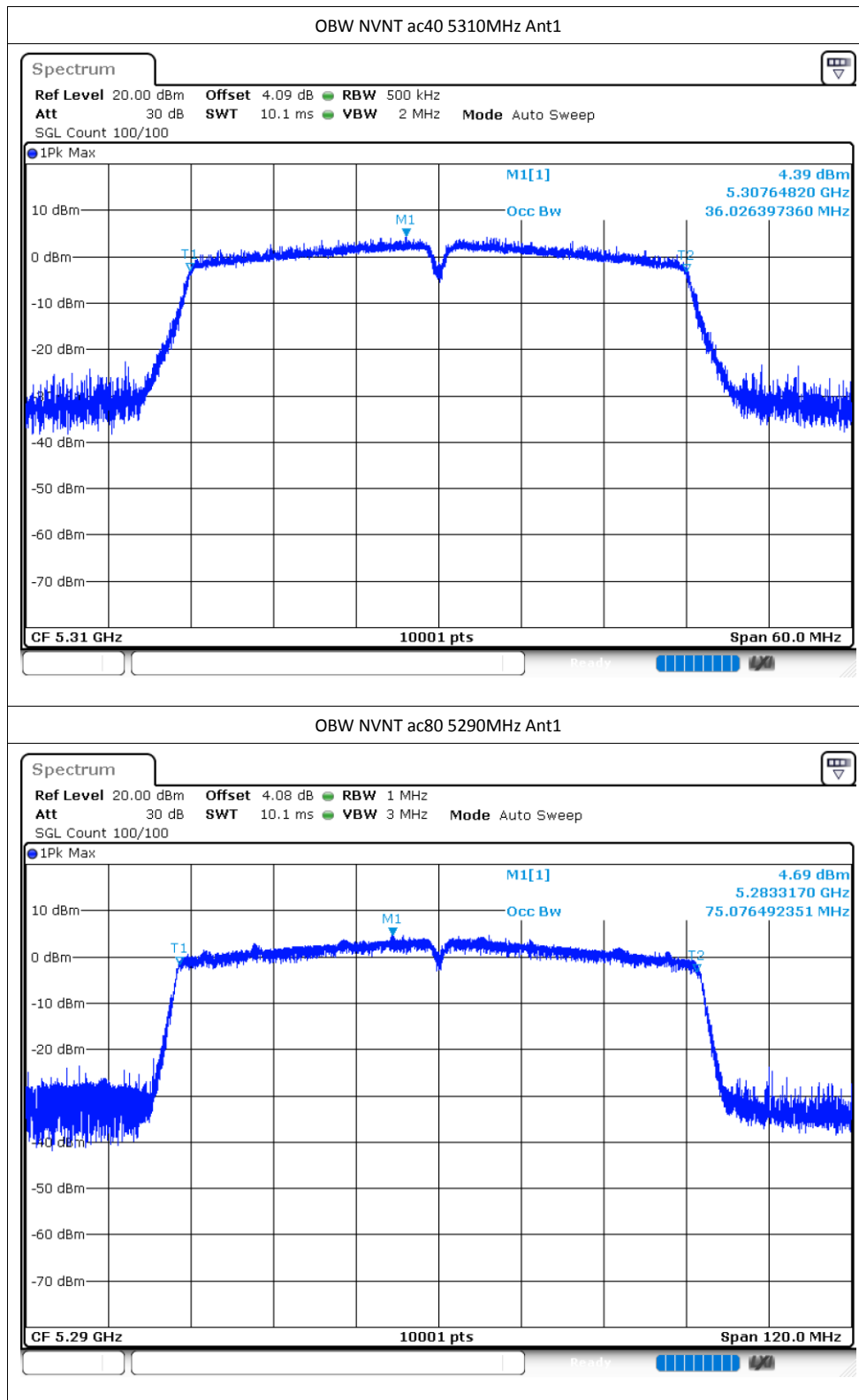










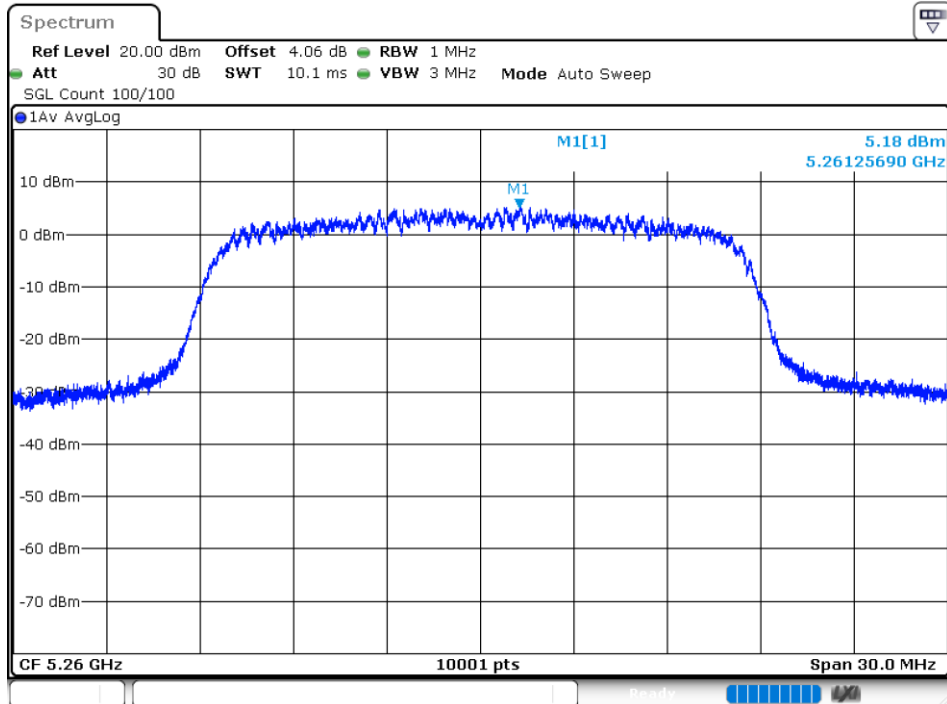


Maximum Power Spectral Density Level

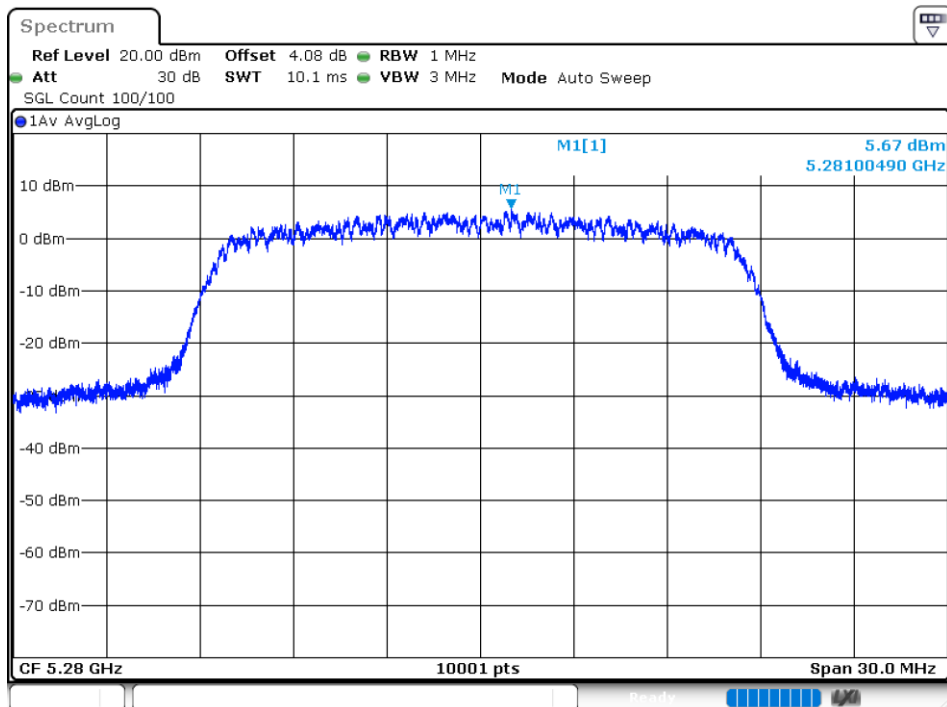
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	5.18	0.08	5.26	11	Pass
NVNT	a	5280	Ant1	5.67	0.08	5.75	11	Pass
NVNT	a	5320	Ant1	4.88	0.08	4.96	11	Pass
NVNT	n20	5260	Ant1	5.04	0.09	5.13	11	Pass
NVNT	n20	5280	Ant1	5	0.09	5.09	11	Pass
NVNT	n20	5320	Ant1	4.14	0.09	4.23	11	Pass
NVNT	n40	5270	Ant1	-1.06	0.25	-0.81	11	Pass
NVNT	n40	5310	Ant1	-4.04	0.3	-3.74	11	Pass
NVNT	ac20	5260	Ant1	4.99	0.08	5.07	11	Pass
NVNT	ac20	5280	Ant1	5.21	0.08	5.29	11	Pass
NVNT	ac20	5320	Ant1	3.89	0.08	3.97	11	Pass
NVNT	ac40	5270	Ant1	-1.05	0.24	-0.81	11	Pass
NVNT	ac40	5310	Ant1	-2.28	0.24	-2.04	11	Pass
NVNT	ac80	5290	Ant1	-9.56	0.74	-8.82	11	Pass

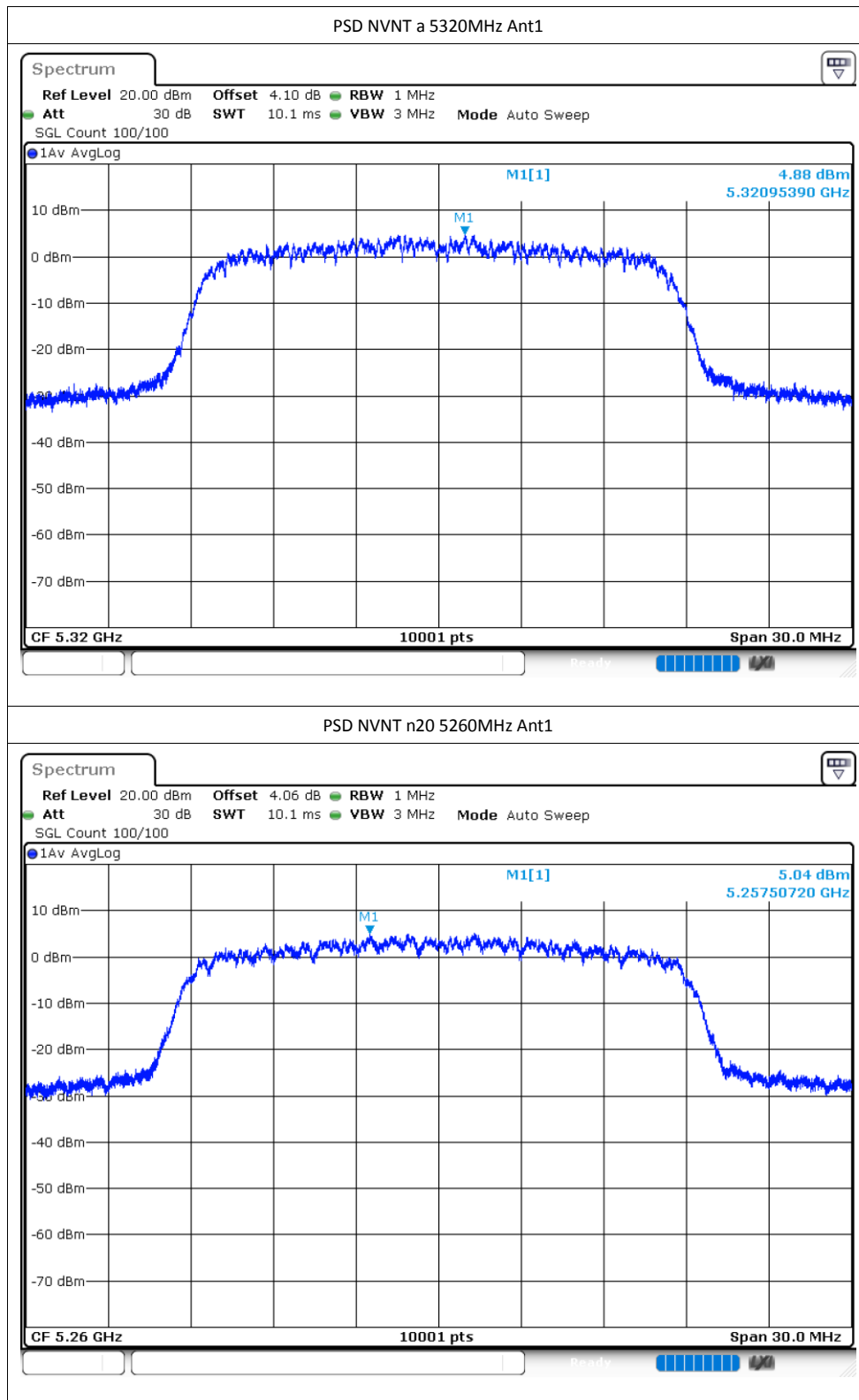
Test Graphs

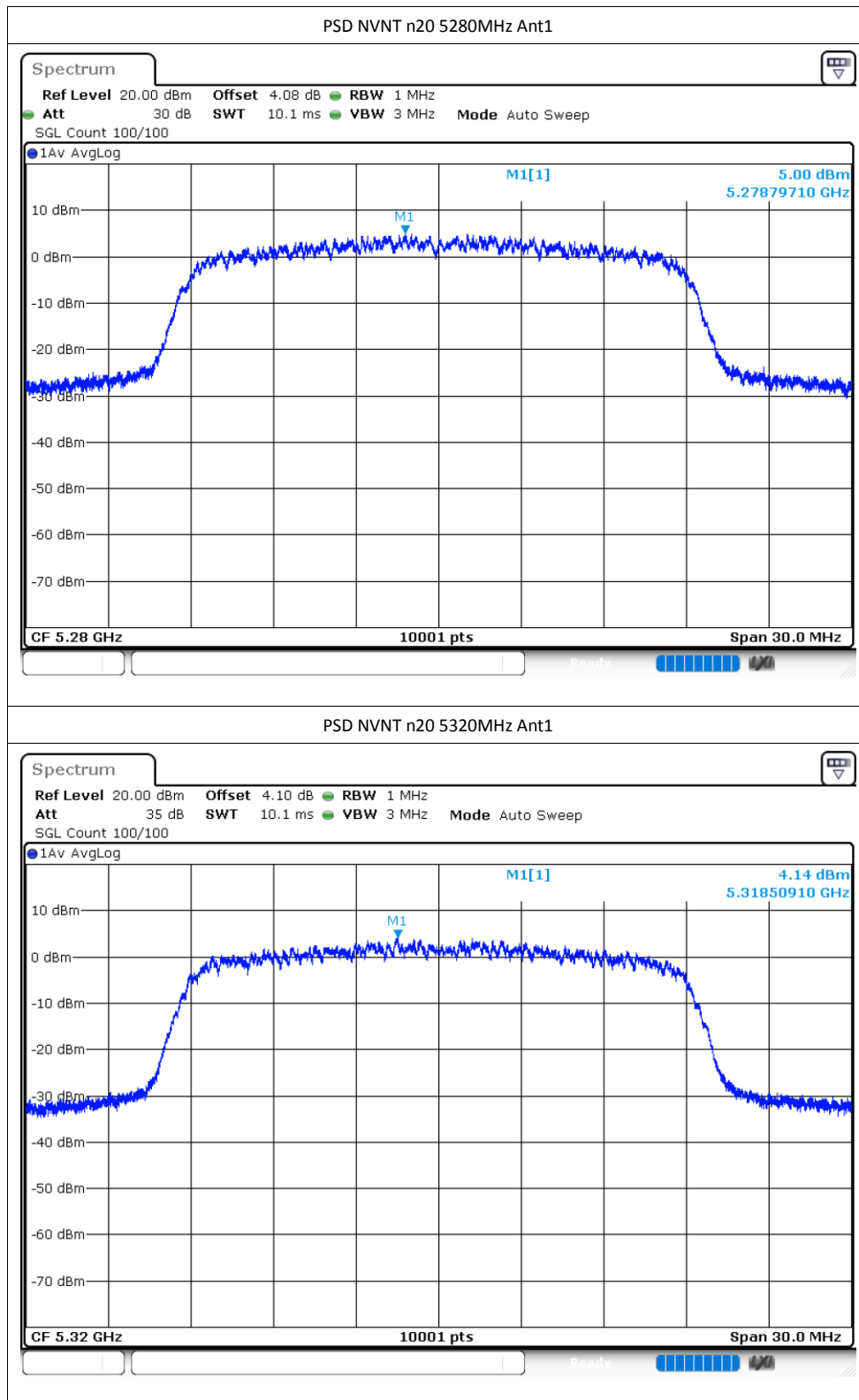
PSD NVNT a 5260MHz Ant1

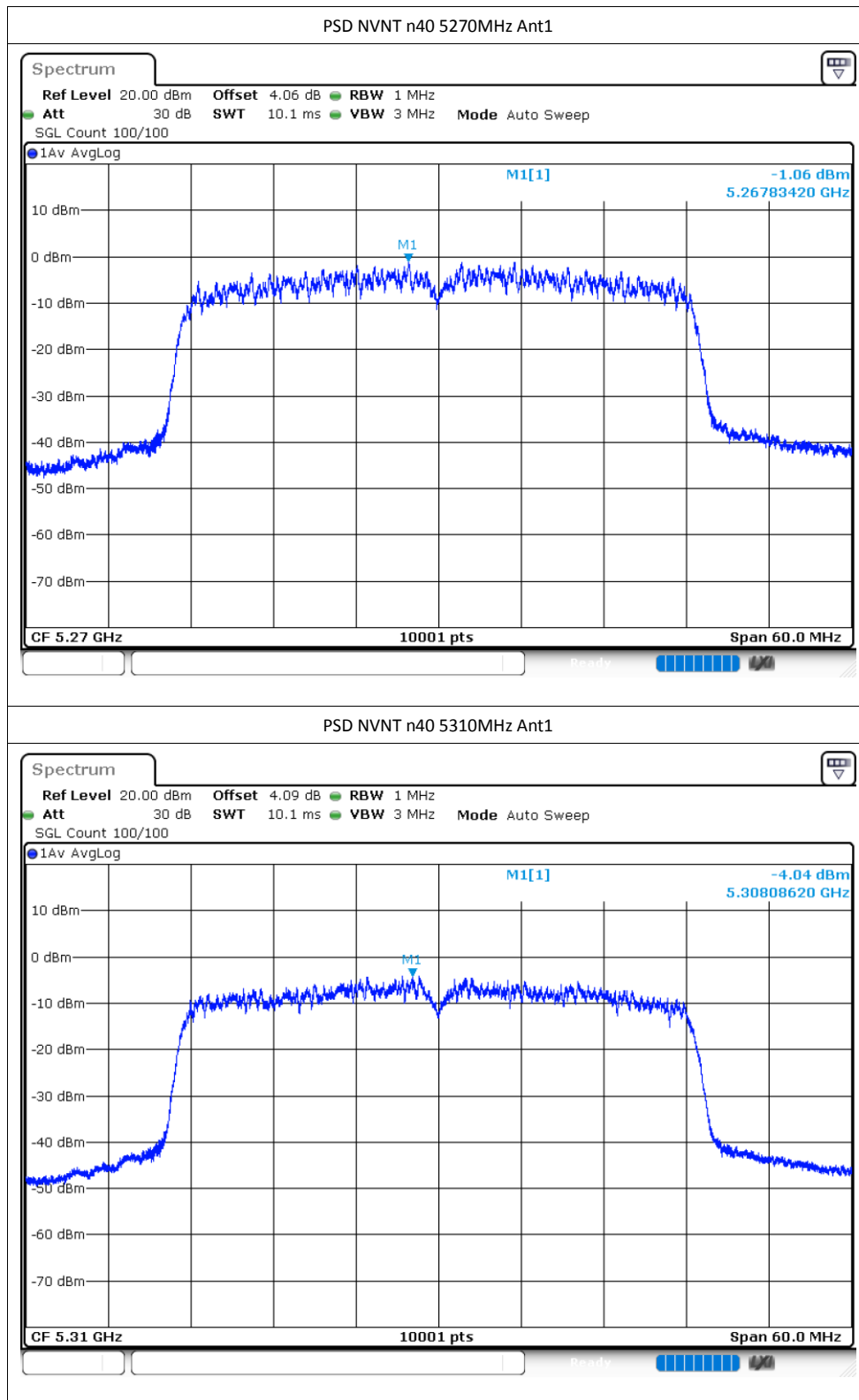


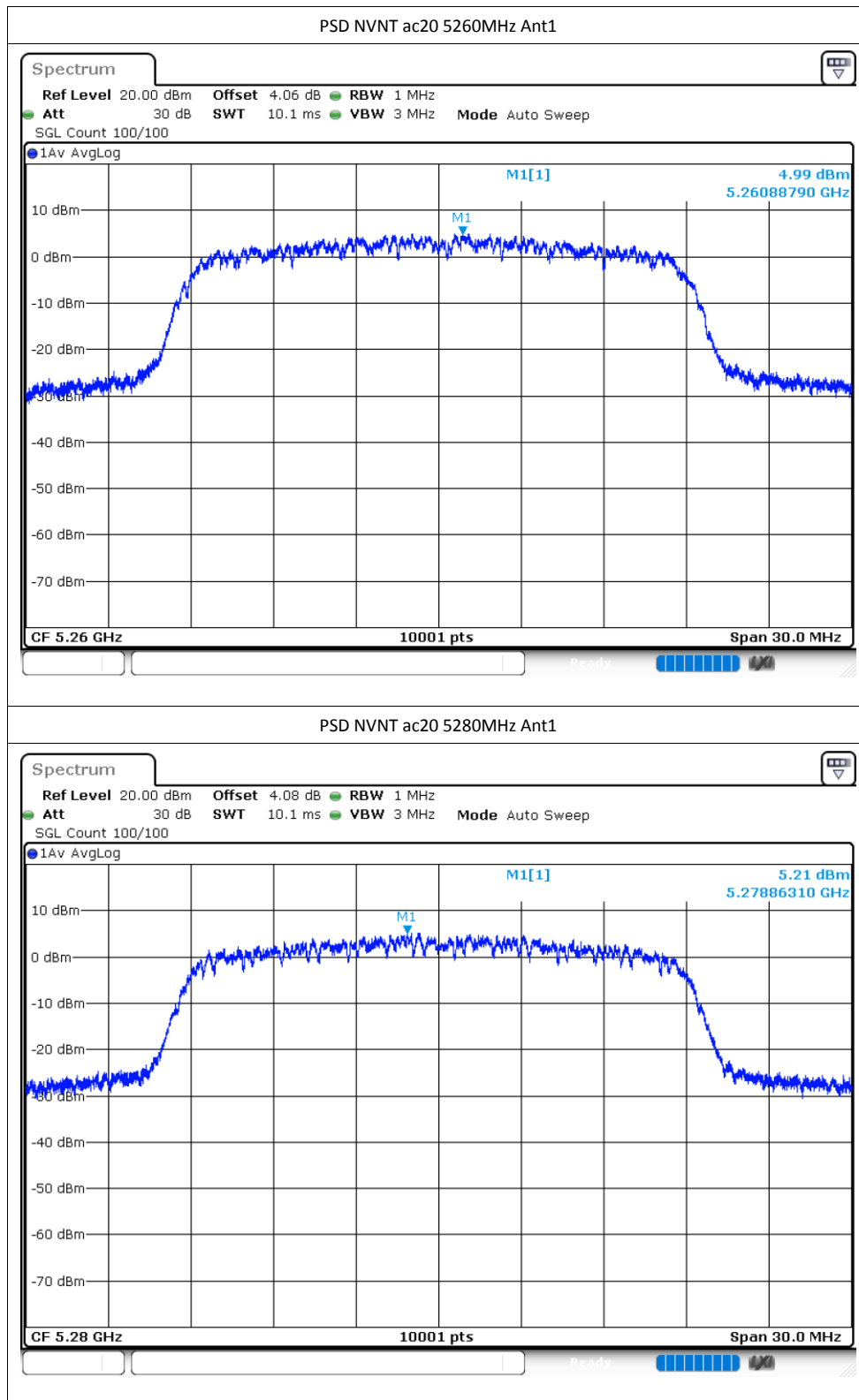
PSD NVNT a 5280MHz Ant1

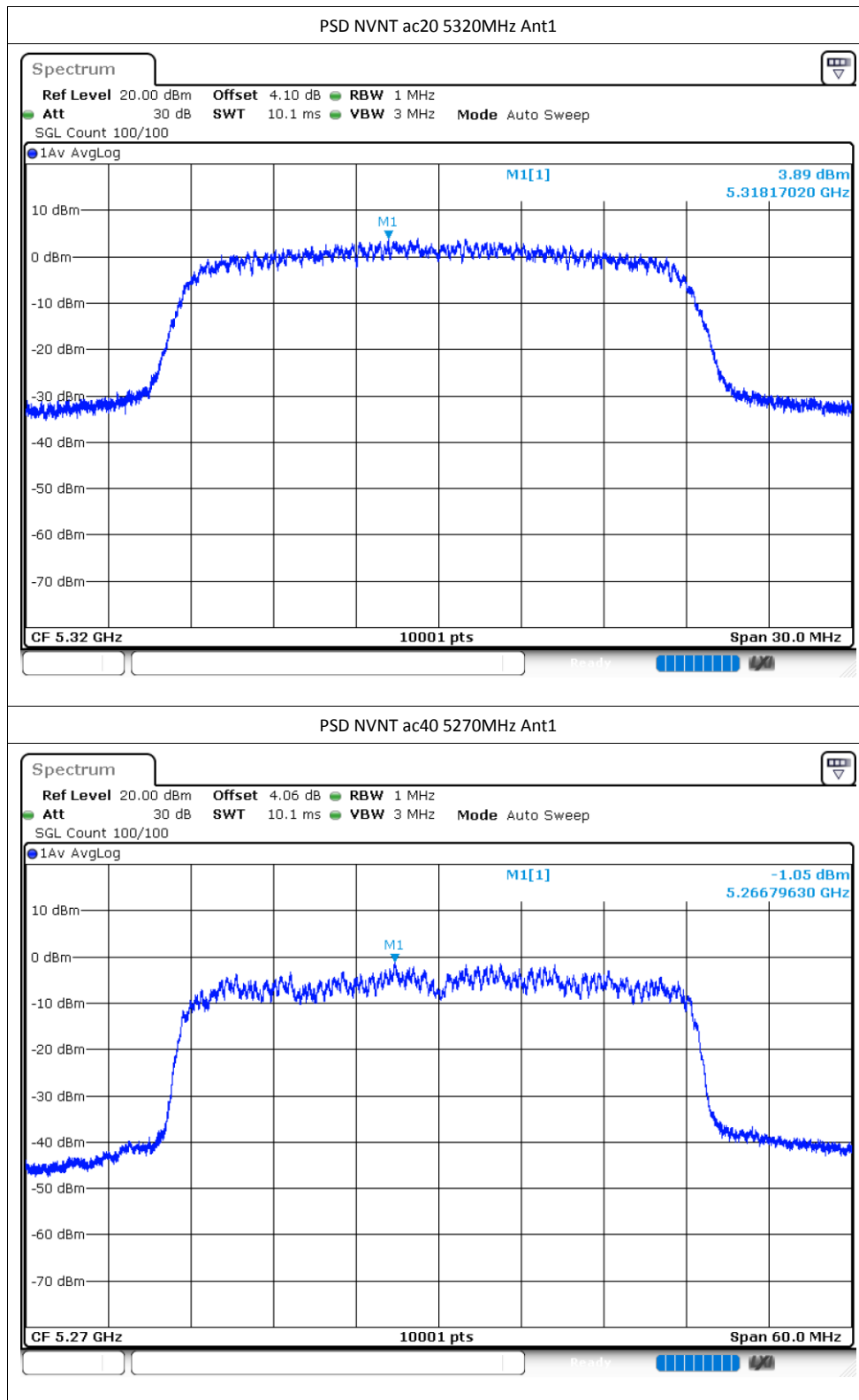


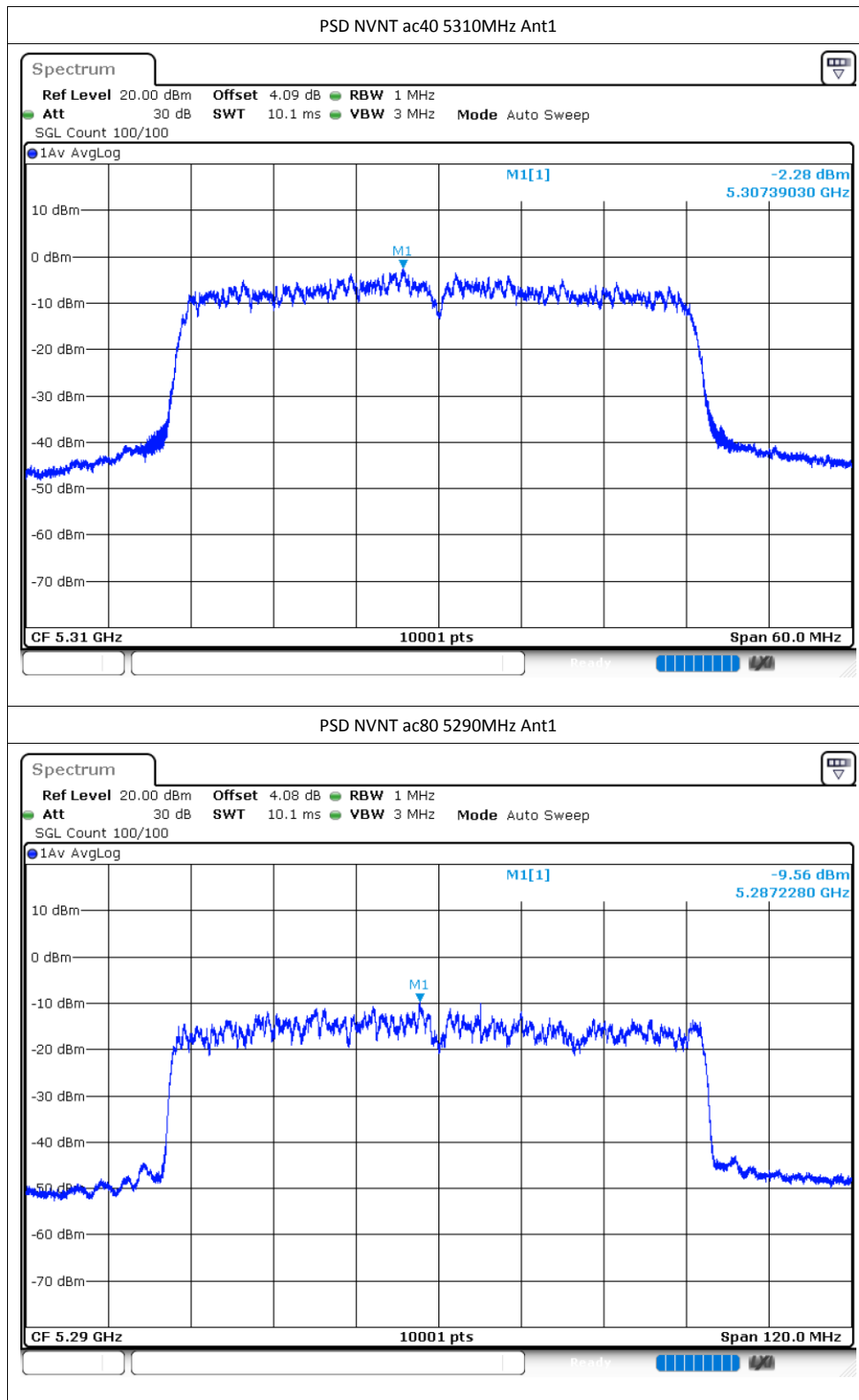












Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-37.98	-27	Pass
NVNT	a	5320	Ant1	-27.17	-27	Pass
NVNT	n20	5260	Ant1	-43.05	-27	Pass
NVNT	n20	5320	Ant1	-28.44	-27	Pass
NVNT	n40	5270	Ant1	-43.14	-27	Pass
NVNT	n40	5310	Ant1	-29.85	-27	Pass
NVNT	ac20	5260	Ant1	-42.4	-27	Pass
NVNT	ac20	5320	Ant1	-28.48	-27	Pass
NVNT	ac40	5270	Ant1	-43.23	-27	Pass
NVNT	ac40	5310	Ant1	-29.29	-27	Pass
NVNT	ac80	5290	Ant1	-38.25	-27	Pass
NVNT	ac80	5290	Ant1	-34.99	-27	Pass

Note: This test has increased antenna gain .

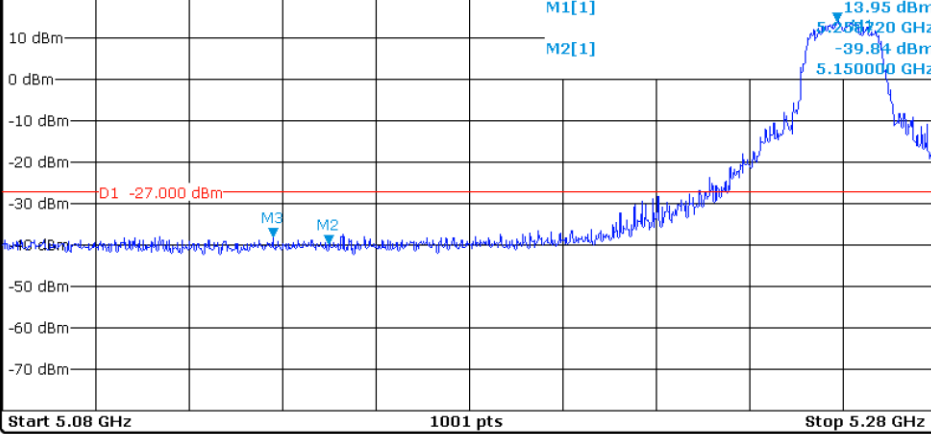
Test Graphs

Band Edge NVNT a 5260MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 3.86 dB RBW 1 MHz
 Att 35 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
 SGL Count 100/100

1Pk Max



Marker

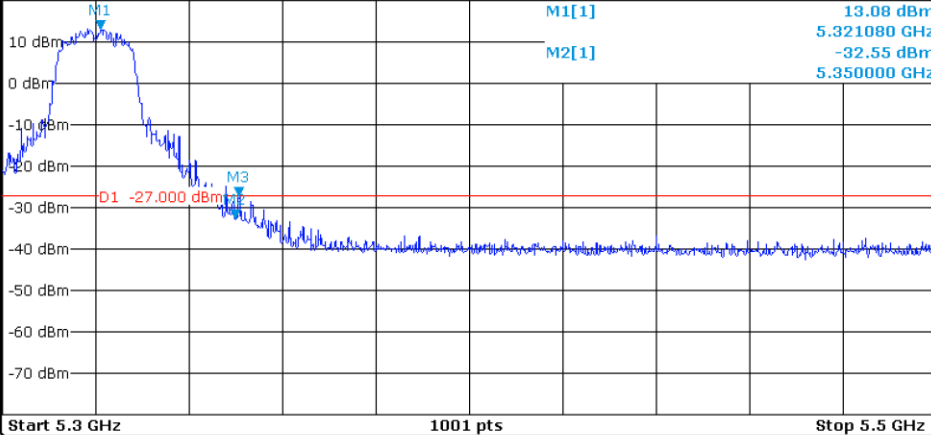
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.25872 GHz	13.95 dBm		
M2	1		5.15 GHz	-39.84 dBm		
M3	1		5.138 GHz	-37.99 dBm		

Band Edge NVNT a 5320MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 3.90 dB RBW 1 MHz
 Att 35 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		5.32108 GHz	13.08 dBm		
M2	1		5.35 GHz	-32.55 dBm		
M3	1		5.3508 GHz	-27.18 dBm		

