

5.2G

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	80.6	0.94	0.5
NVNT	a	5200	Ant1	80.54	0.94	0.49
NVNT	a	5240	Ant1	80.81	0.93	0.5
NVNT	n20	5180	Ant1	65.61	1.83	1.09
NVNT	n20	5200	Ant1	65.53	1.84	1.08
NVNT	n20	5240	Ant1	65.59	1.83	1.08

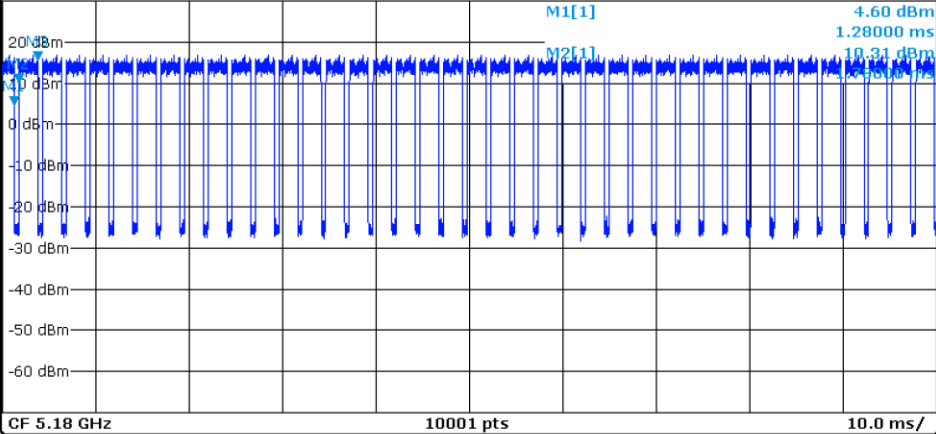
Test Graphs

Duty Cycle NVNT a 5180MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 3.96 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

1Pk Clrw



Marker

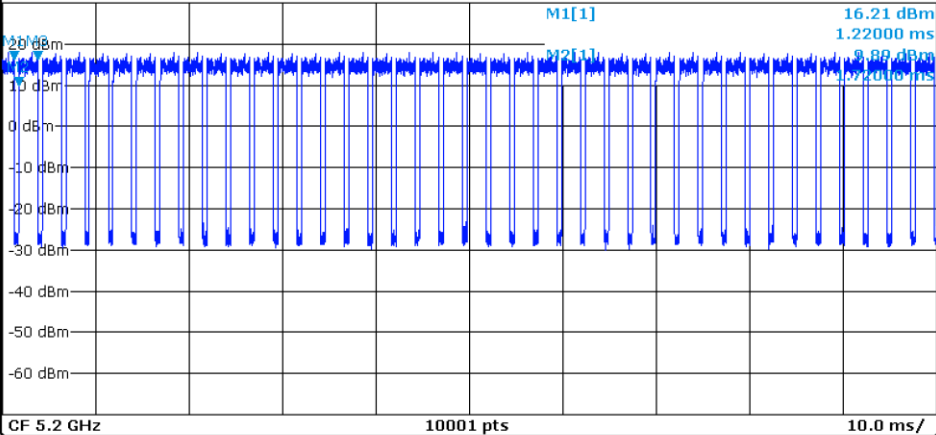
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		1.28 ms	4.60 dBm		
M2	1		1.78 ms	10.31 dBm		
M3	1		3.8 ms	15.59 dBm		

Duty Cycle NVNT a 5200MHz Ant1

Spectrum

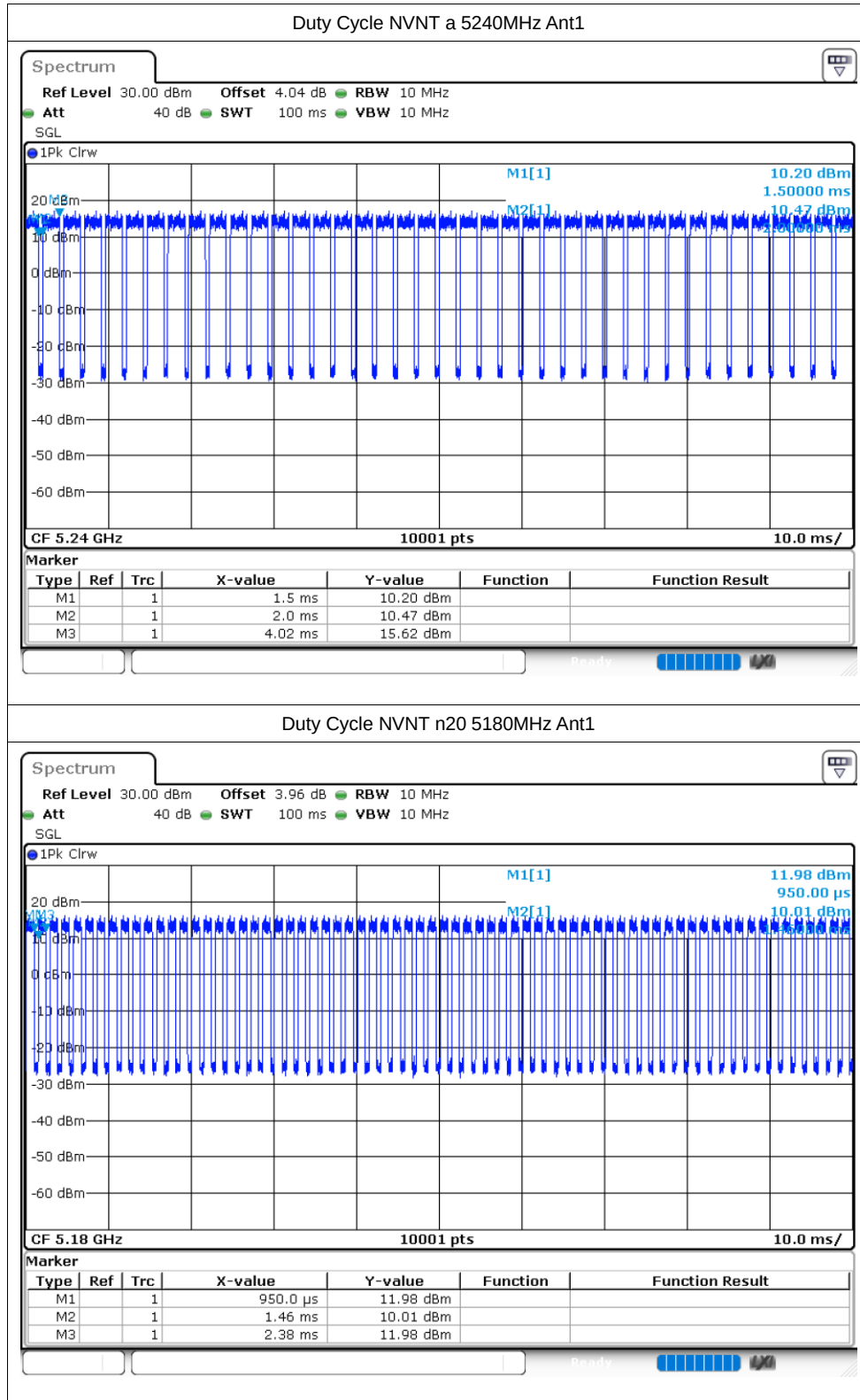
Ref Level 30.00 dBm Offset 4.02 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

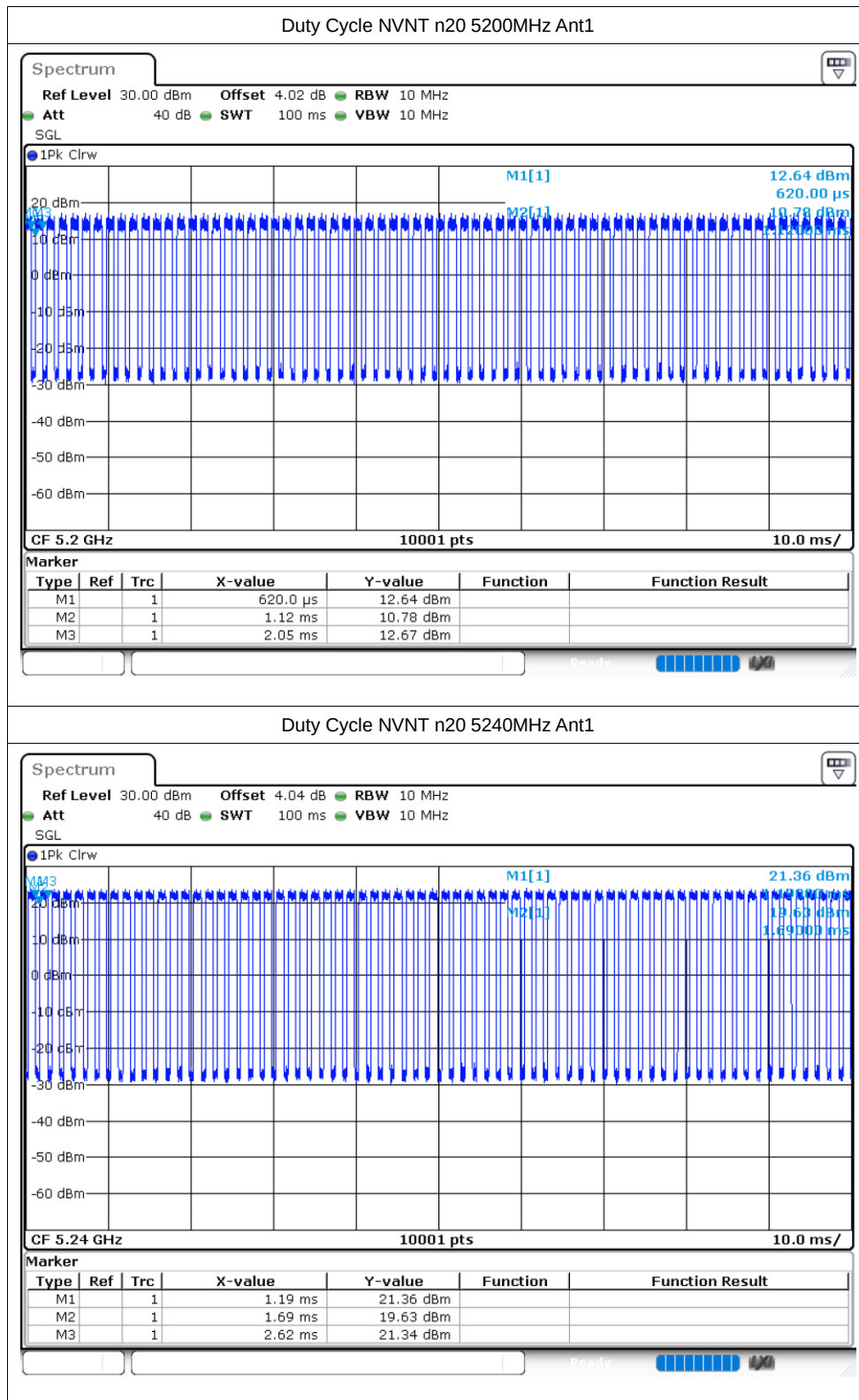
1Pk Clrw



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		1.22 ms	16.21 dBm		
M2	1		1.72 ms	9.89 dBm		
M3	1		3.75 ms	16.17 dBm		





Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.41	24	Pass
NVNT	a	5200	Ant1	10.43	24	Pass
NVNT	a	5240	Ant1	9.4	24	Pass
NVNT	n20	5180	Ant1	9.98	24	Pass
NVNT	n20	5200	Ant1	10.14	24	Pass
NVNT	n20	5240	Ant1	17.63	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.773	Pass
NVNT	a	5200	Ant1	19.632	Pass
NVNT	a	5240	Ant1	19.065	Pass
NVNT	n20	5180	Ant1	20.265	Pass
NVNT	n20	5200	Ant1	19.353	Pass
NVNT	n20	5240	Ant1	22.71	Pass

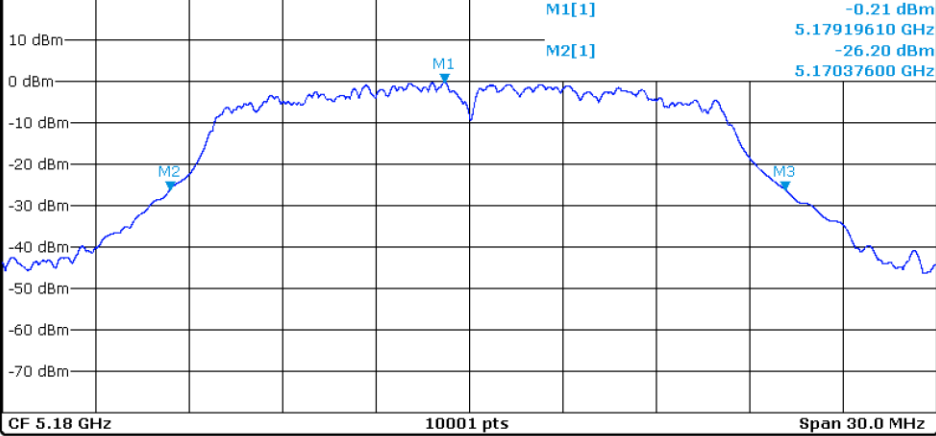
Test Graphs

-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

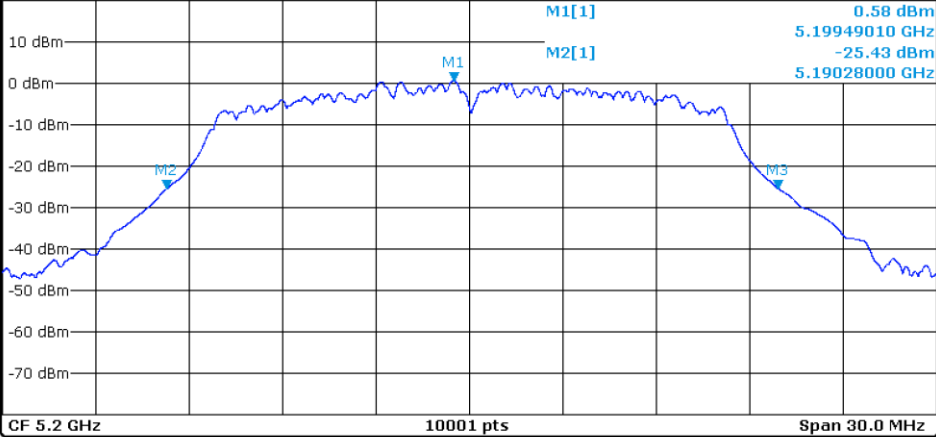
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1791961 GHz	-0.21 dBm		
M2	1		5.170376 GHz	-26.20 dBm		
M3	1		5.190149 GHz	-26.21 dBm		

-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

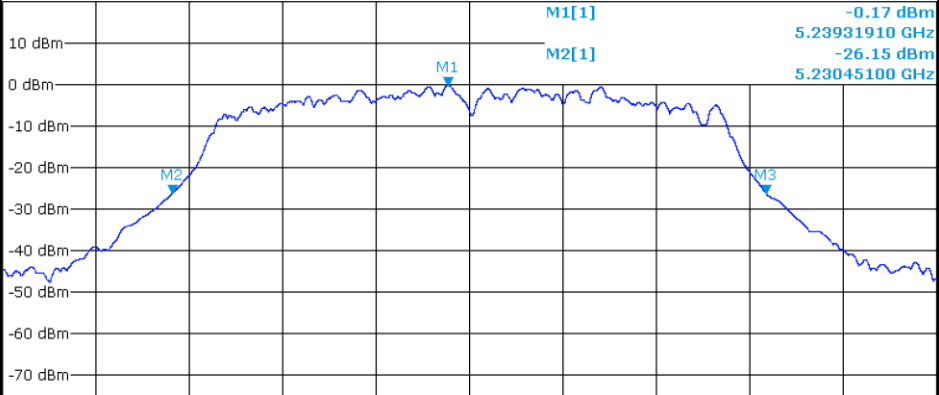
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1994901 GHz	0.58 dBm		
M2	1		5.19028 GHz	-25.43 dBm		
M3	1		5.209912 GHz	-25.42 dBm		

-26dB Bandwidth NVNT a 5240MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.04 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max



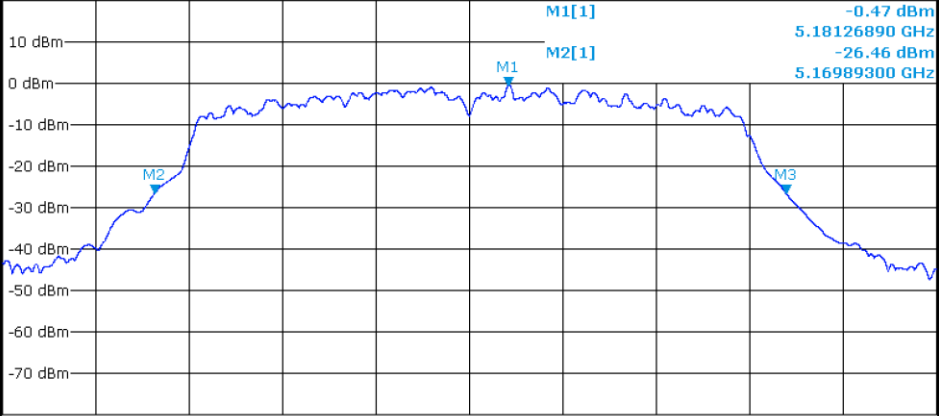
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2393191 GHz	-0.17 dBm		
M2		1	5.230451 GHz	-26.15 dBm		
M3		1	5.249516 GHz	-26.15 dBm		

-26dB Bandwidth NVNT n20 5180MHz Ant1

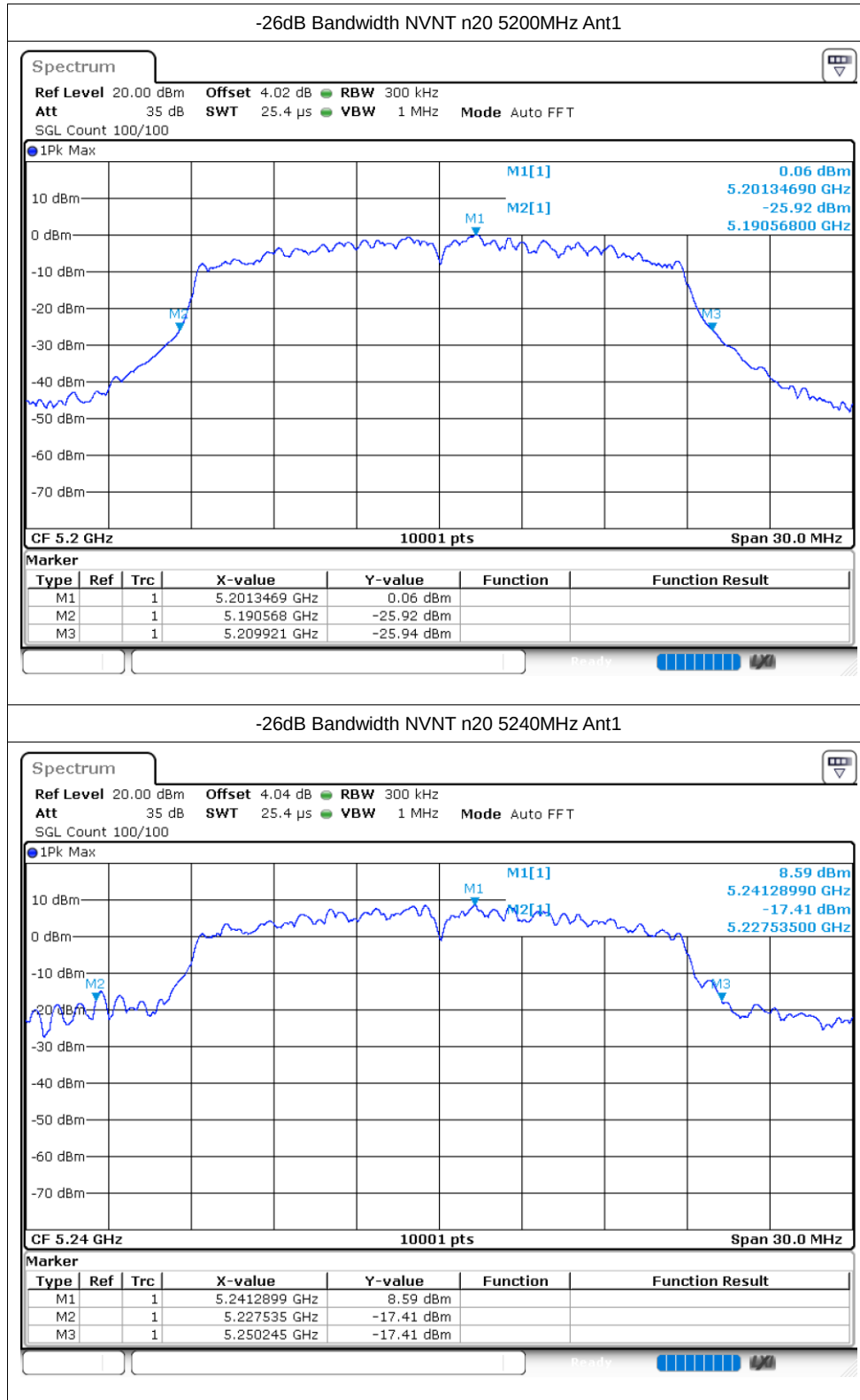
Spectrum

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



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1812689 GHz	-0.47 dBm		
M2		1	5.169893 GHz	-26.46 dBm		
M3		1	5.190158 GHz	-26.47 dBm		

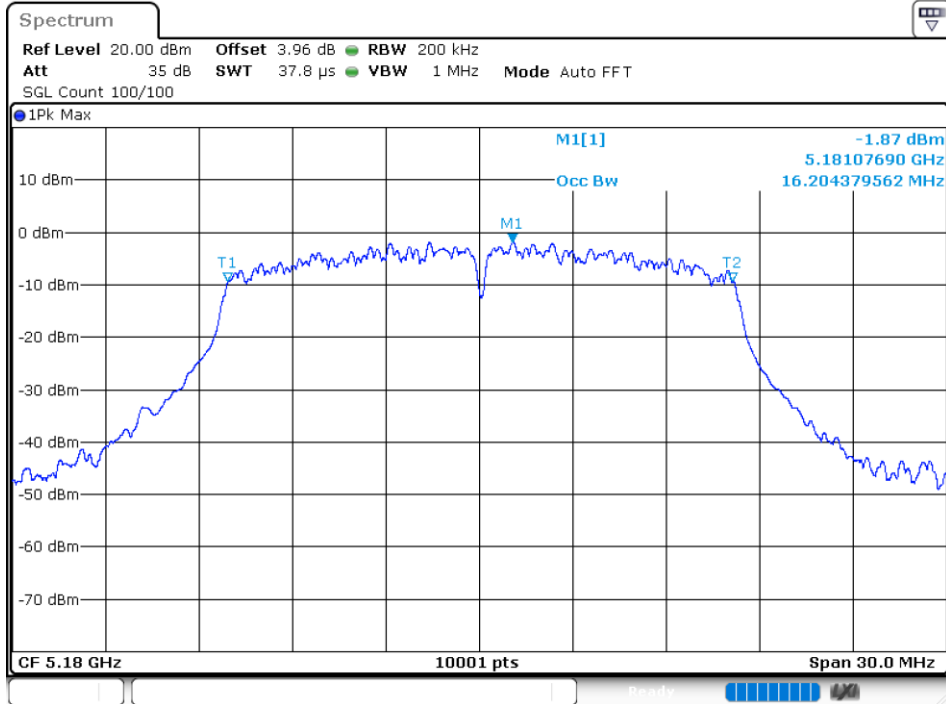


Occupied Channel Bandwidth

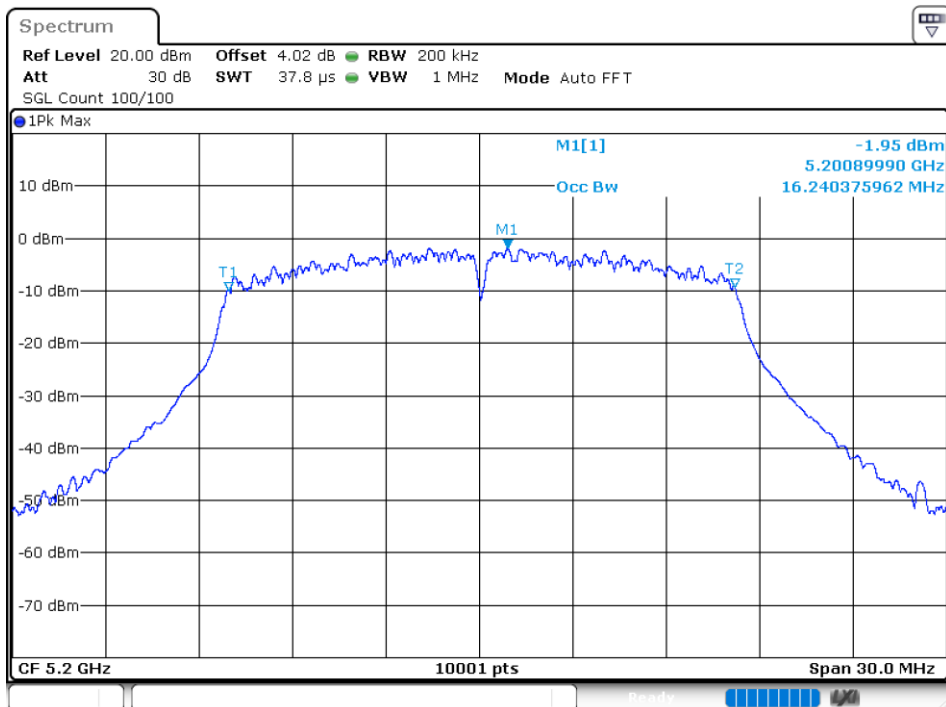
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.204
NVNT	a	5200	Ant1	16.24
NVNT	a	5240	Ant1	16.159
NVNT	n20	5180	Ant1	17.386
NVNT	n20	5200	Ant1	17.251
NVNT	n20	5240	Ant1	17.464

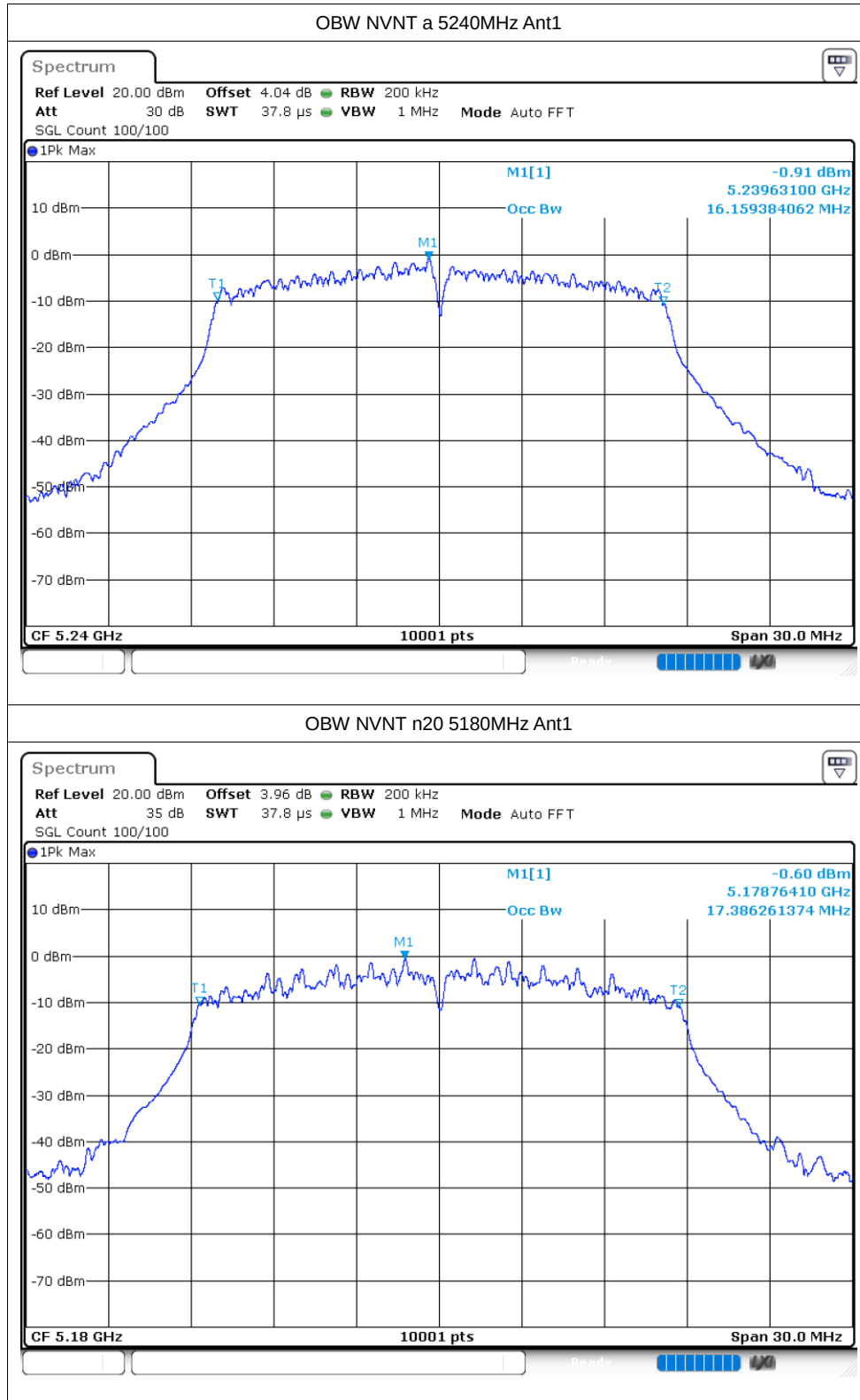
Test Graphs

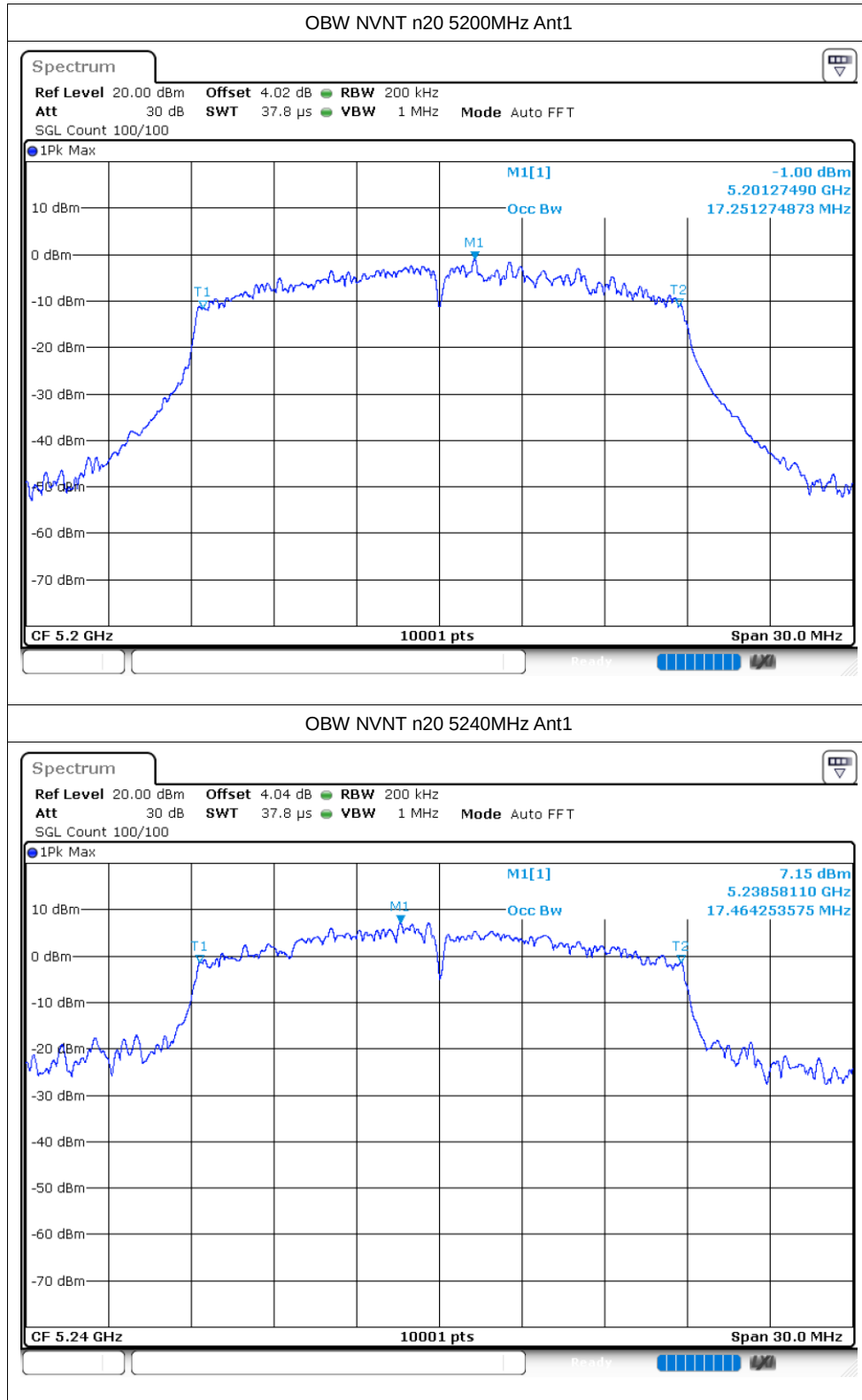
OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1





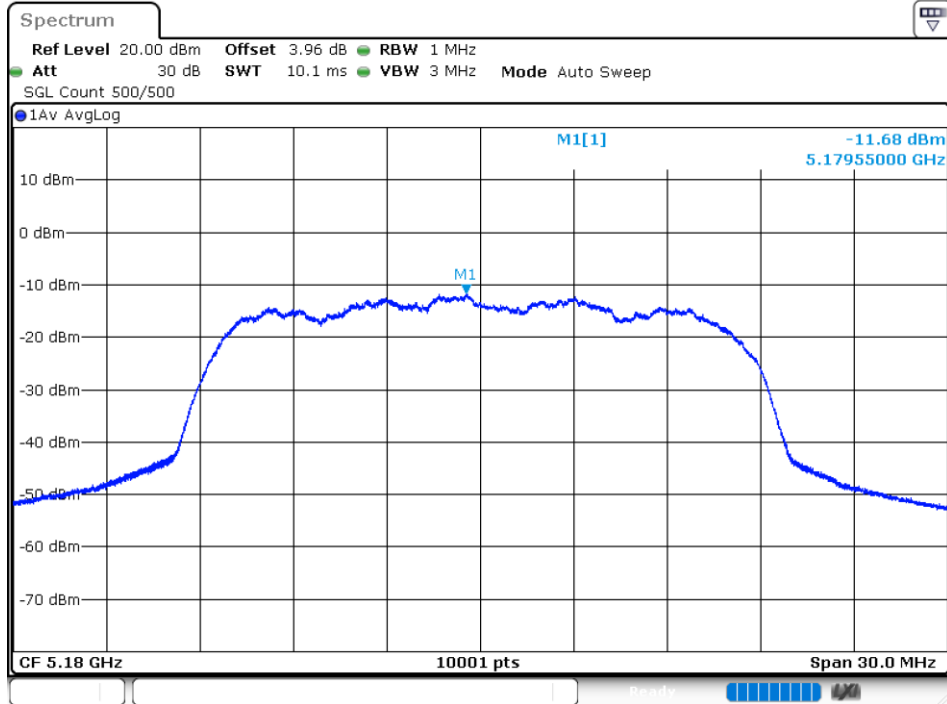


Maximum Power Spectral Density Level

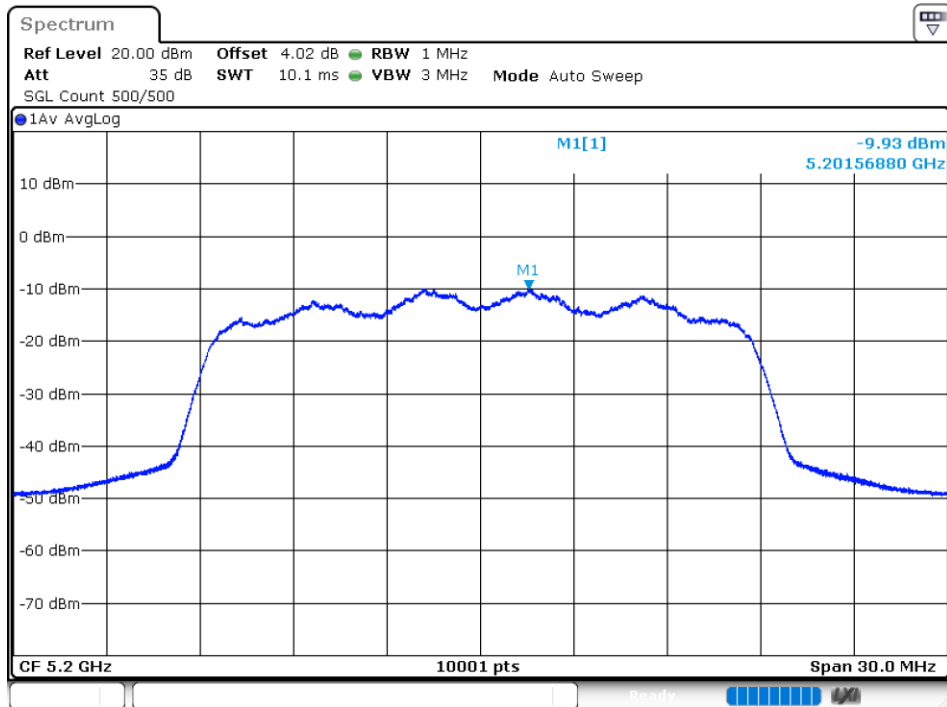
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-11.68	0.94	-10.74	11	Pass
NVNT	a	5200	Ant1	-9.93	0.94	-8.99	11	Pass
NVNT	a	5240	Ant1	-11.33	0.93	-10.4	11	Pass
NVNT	n20	5180	Ant1	-18.42	1.83	-16.59	11	Pass
NVNT	n20	5200	Ant1	-16.89	1.84	-15.05	11	Pass
NVNT	n20	5240	Ant1	-11.34	1.83	-9.51	11	Pass

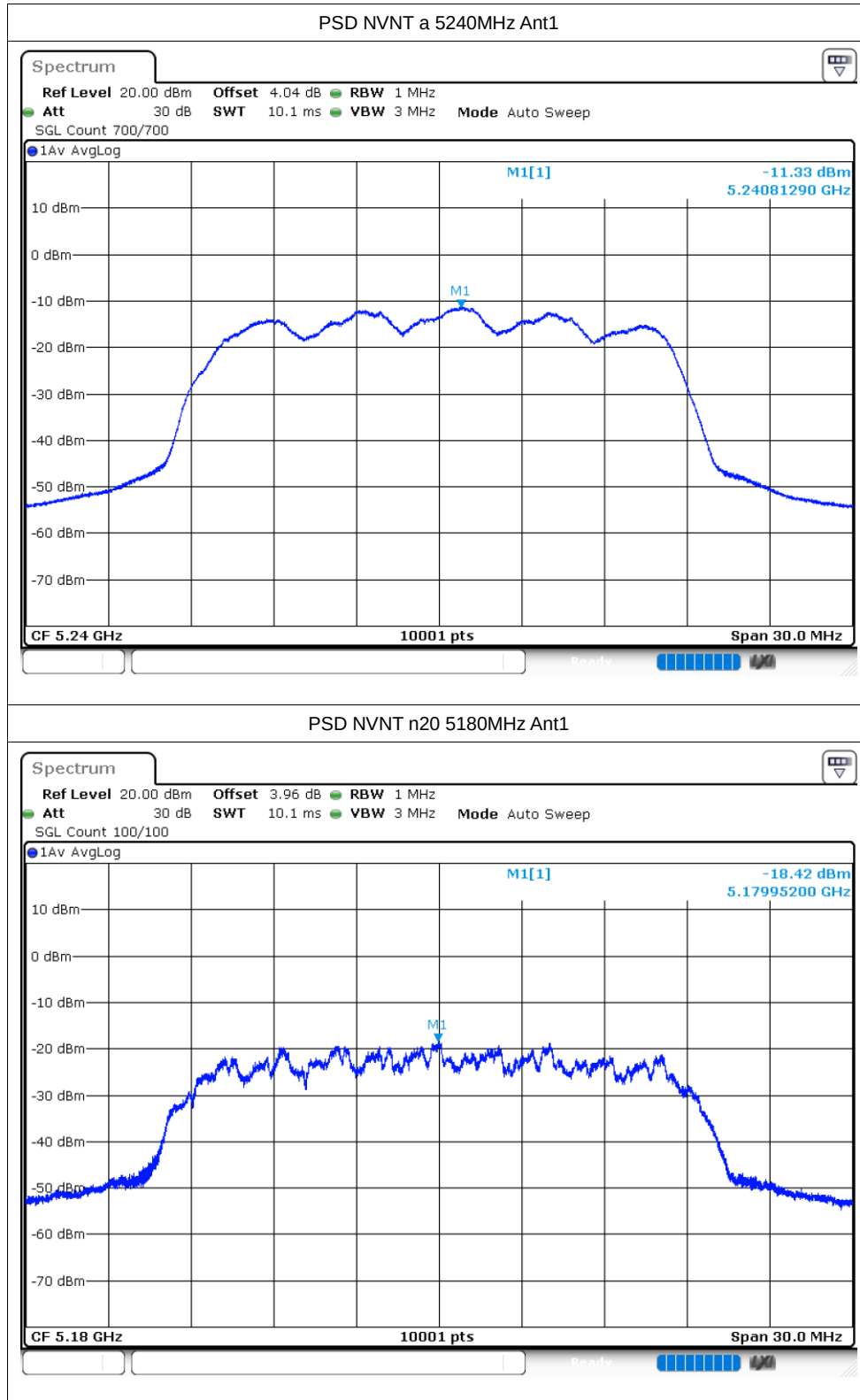
Test Graphs

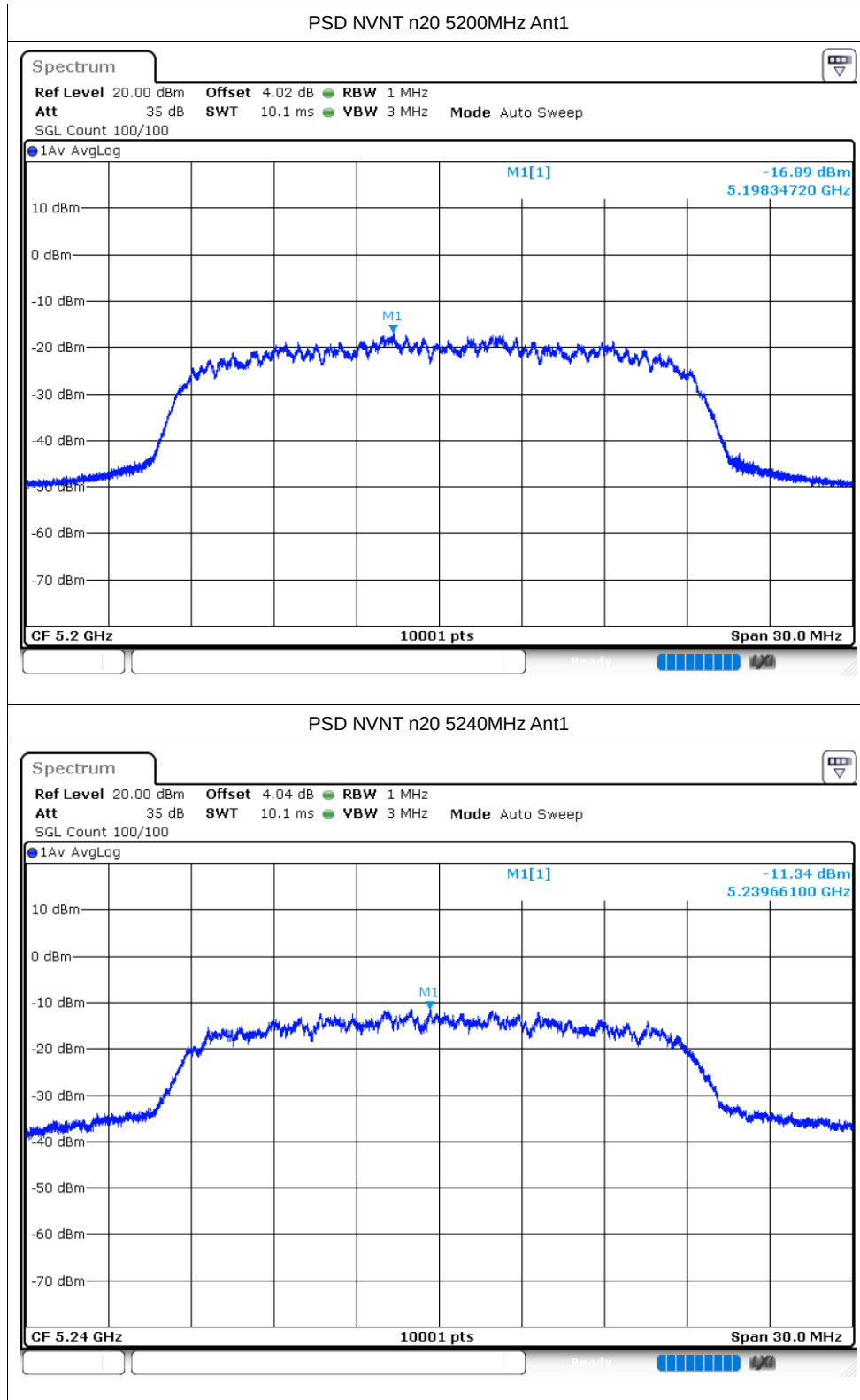
PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1







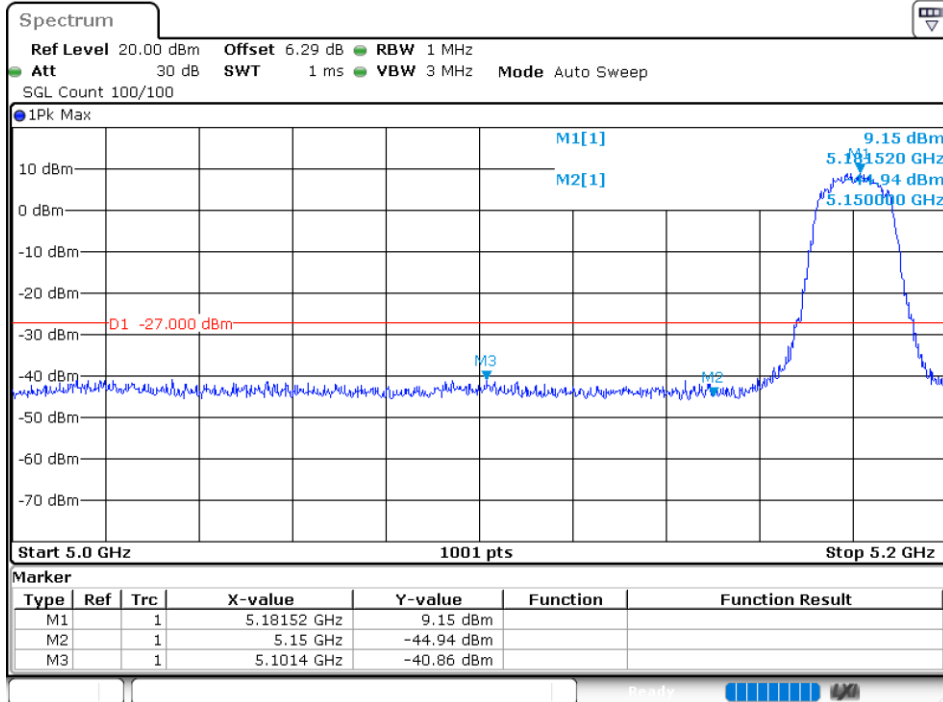
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-40.85	-27	Pass
NVNT	a	5240	Ant1	-40.88	-27	Pass
NVNT	n20	5180	Ant1	-40.44	-27	Pass
NVNT	n20	5240	Ant1	-38.3	-27	Pass

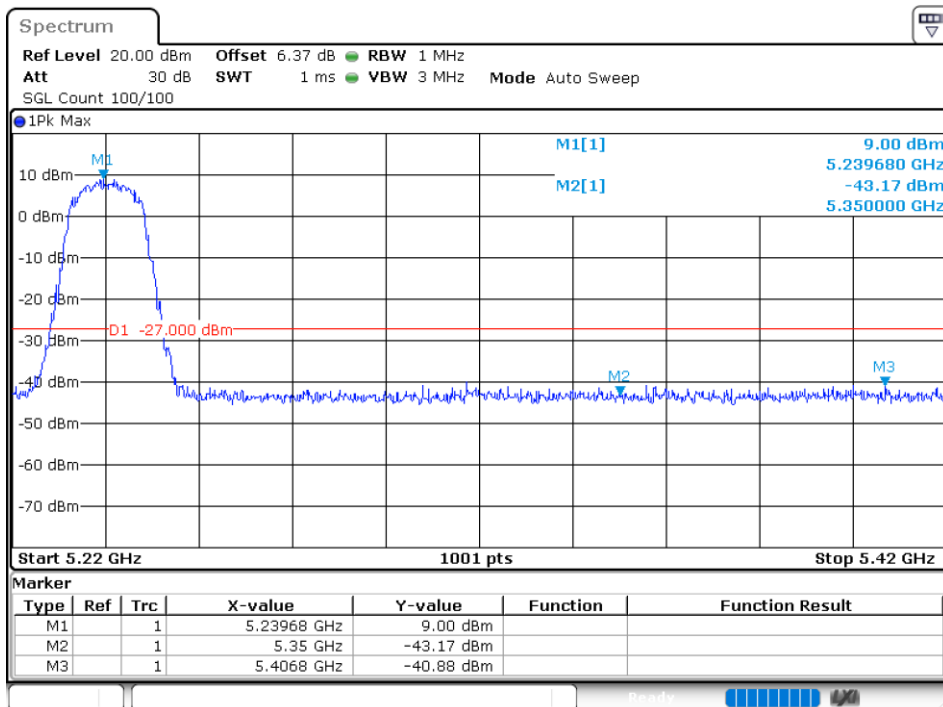
Note: This test has increased antenna gain .

Test Graphs

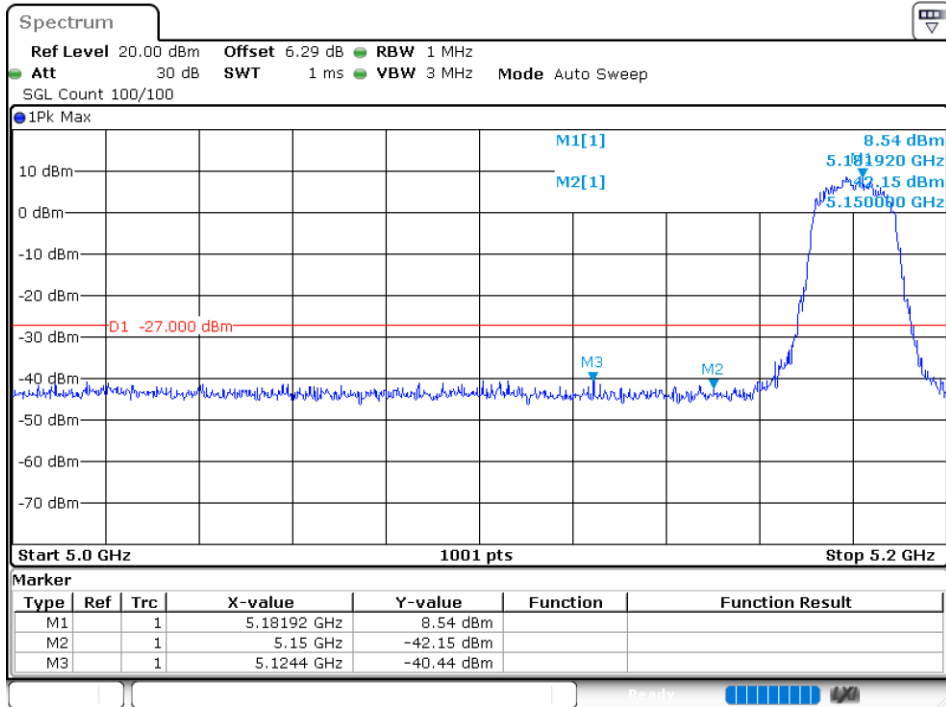
Band Edge NVNT a 5180MHz Low Ant1



Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1



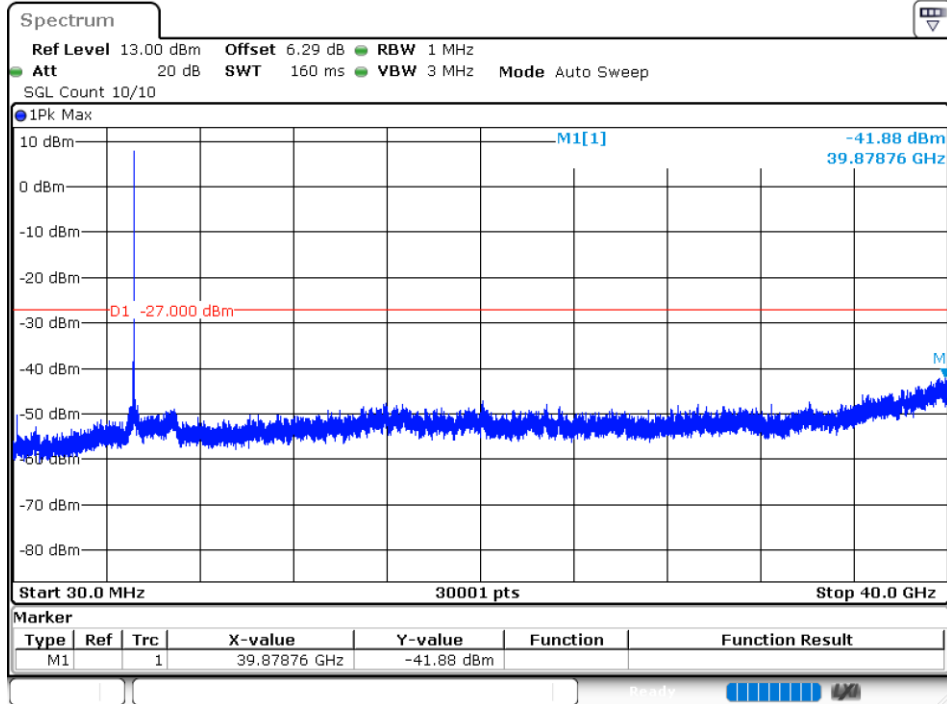
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-41.88	-27	Pass
NVNT	a	5200	Ant1	-32.85	-27	Pass
NVNT	a	5240	Ant1	-32.55	-27	Pass
NVNT	n20	5180	Ant1	-32.05	-27	Pass
NVNT	n20	5200	Ant1	-32.73	-27	Pass
NVNT	n20	5240	Ant1	-31.98	-27	Pass

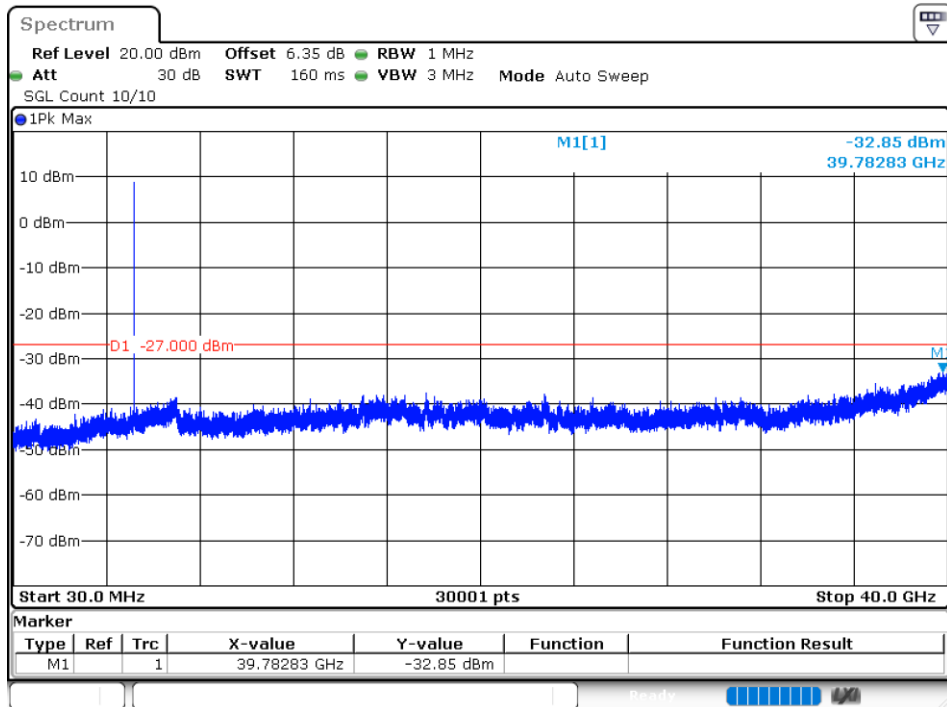
Note: This test has increased antenna gain .

Test Graphs

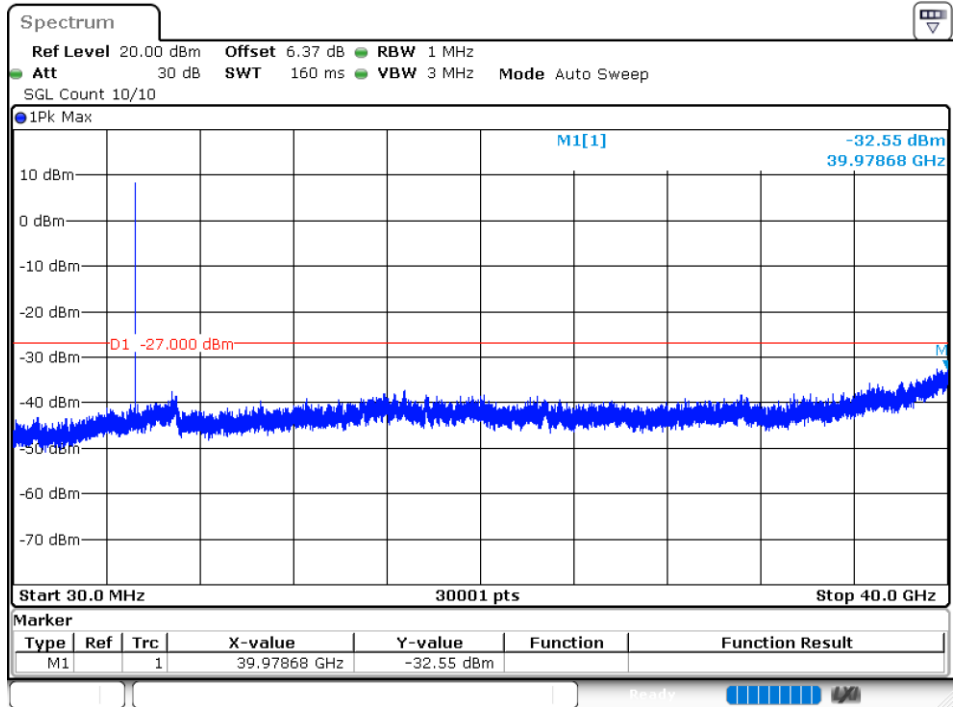
Tx. Spurious NVNT a 5180MHz Ant1 Emission



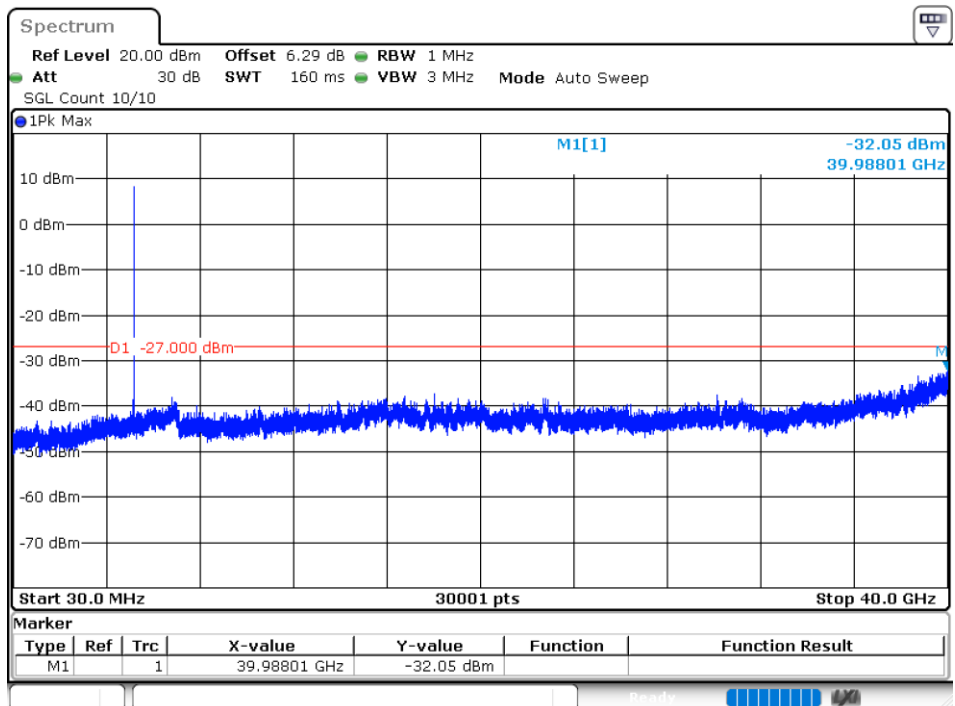
Tx. Spurious NVNT a 5200MHz Ant1 Emission

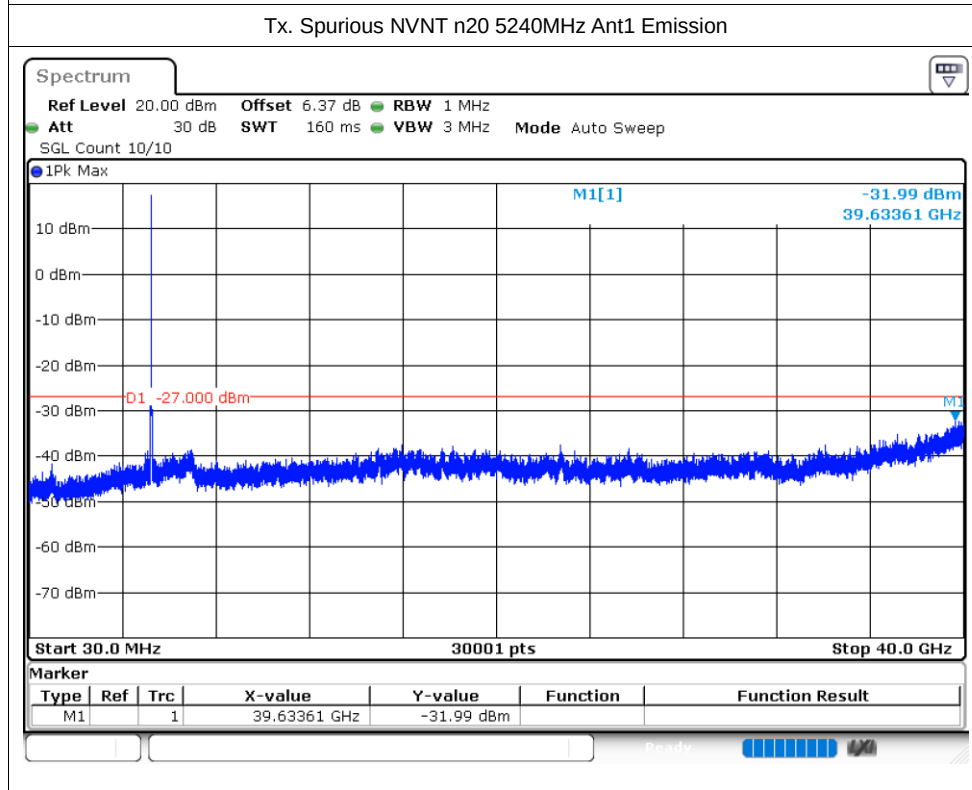
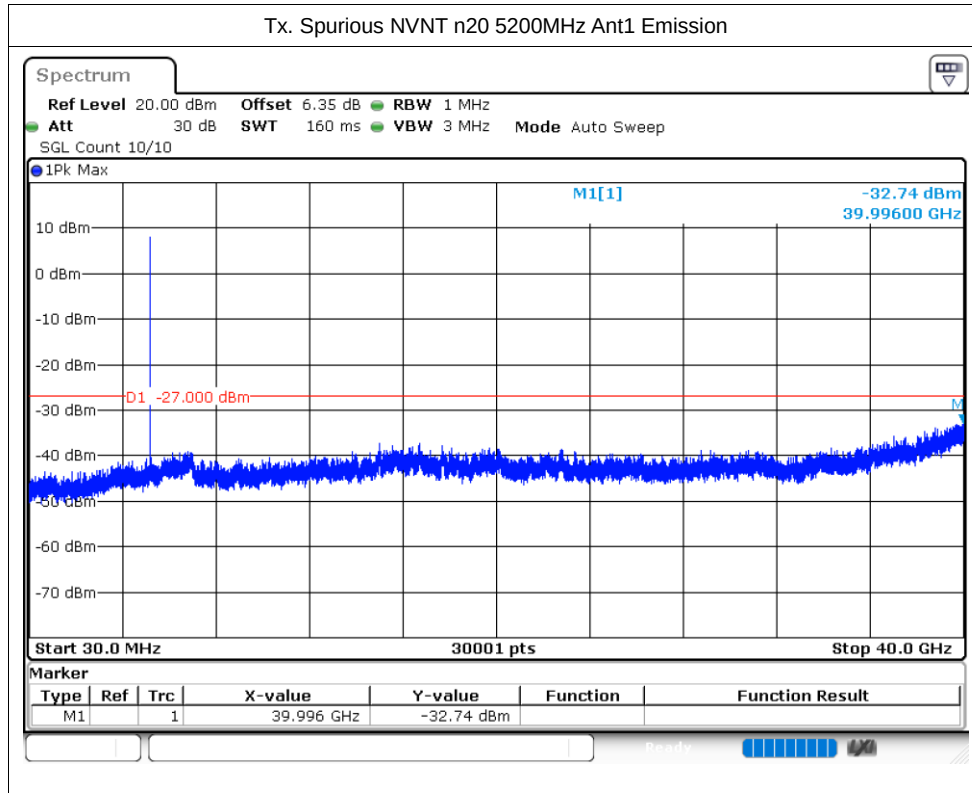


Tx. Spurious NVNT a 5240MHz Ant1 Emission



Tx. Spurious NVNT n20 5180MHz Ant1 Emission





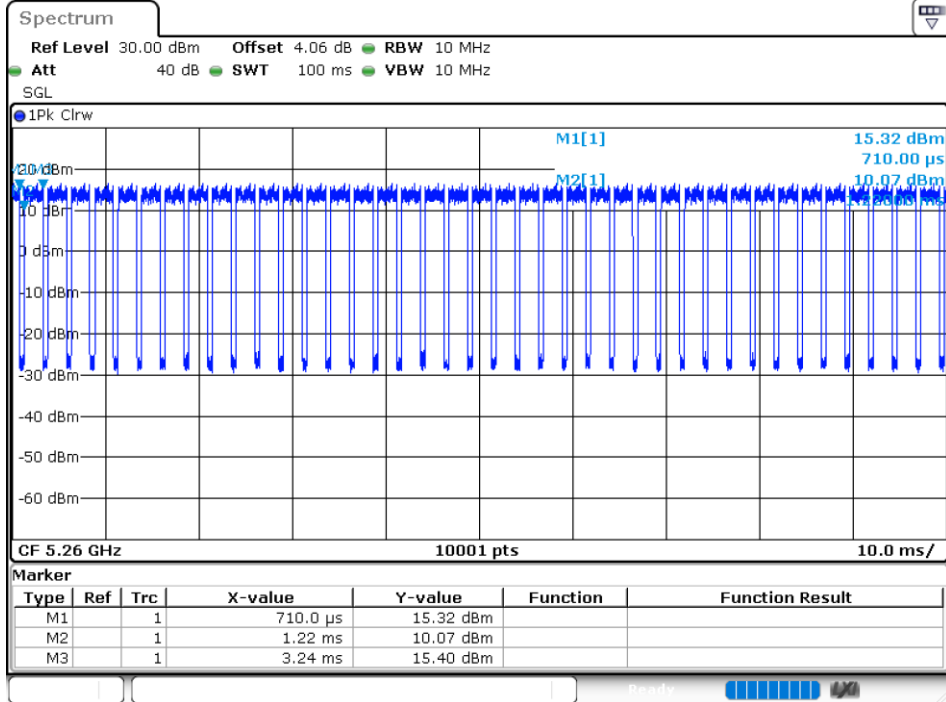
5.3G

Duty Cycle

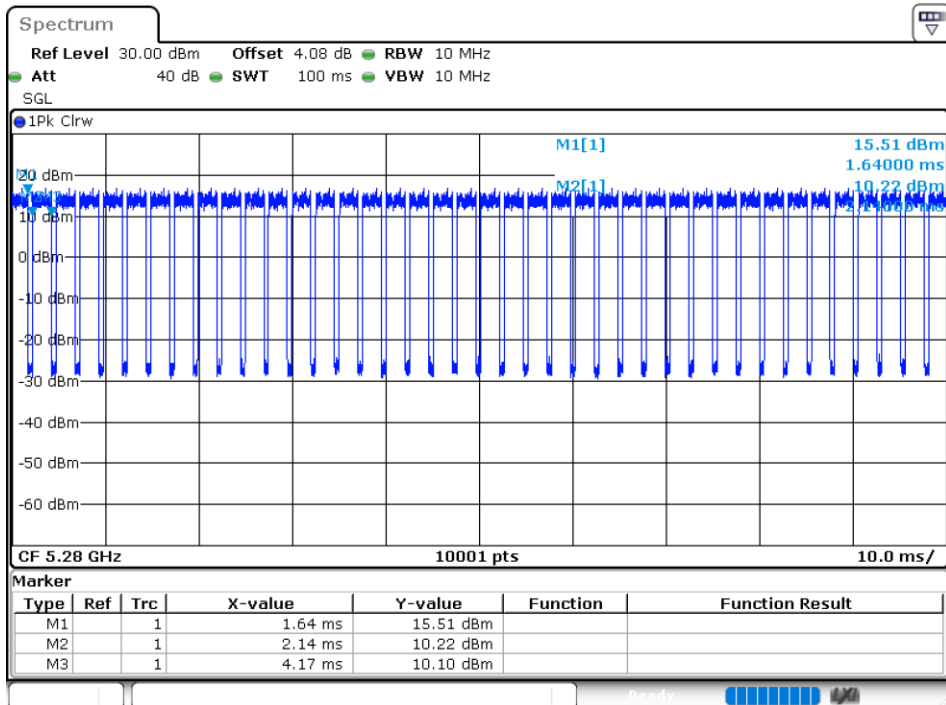
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	80.31	0.95	0.5
NVNT	a	5280	Ant1	80.81	0.93	0.49
NVNT	a	5320	Ant1	80.31	0.95	0.5
NVNT	n20	5260	Ant1	65.45	1.84	1.08
NVNT	n20	5280	Ant1	65.49	1.84	1.08
NVNT	n20	5320	Ant1	65.59	1.83	1.08

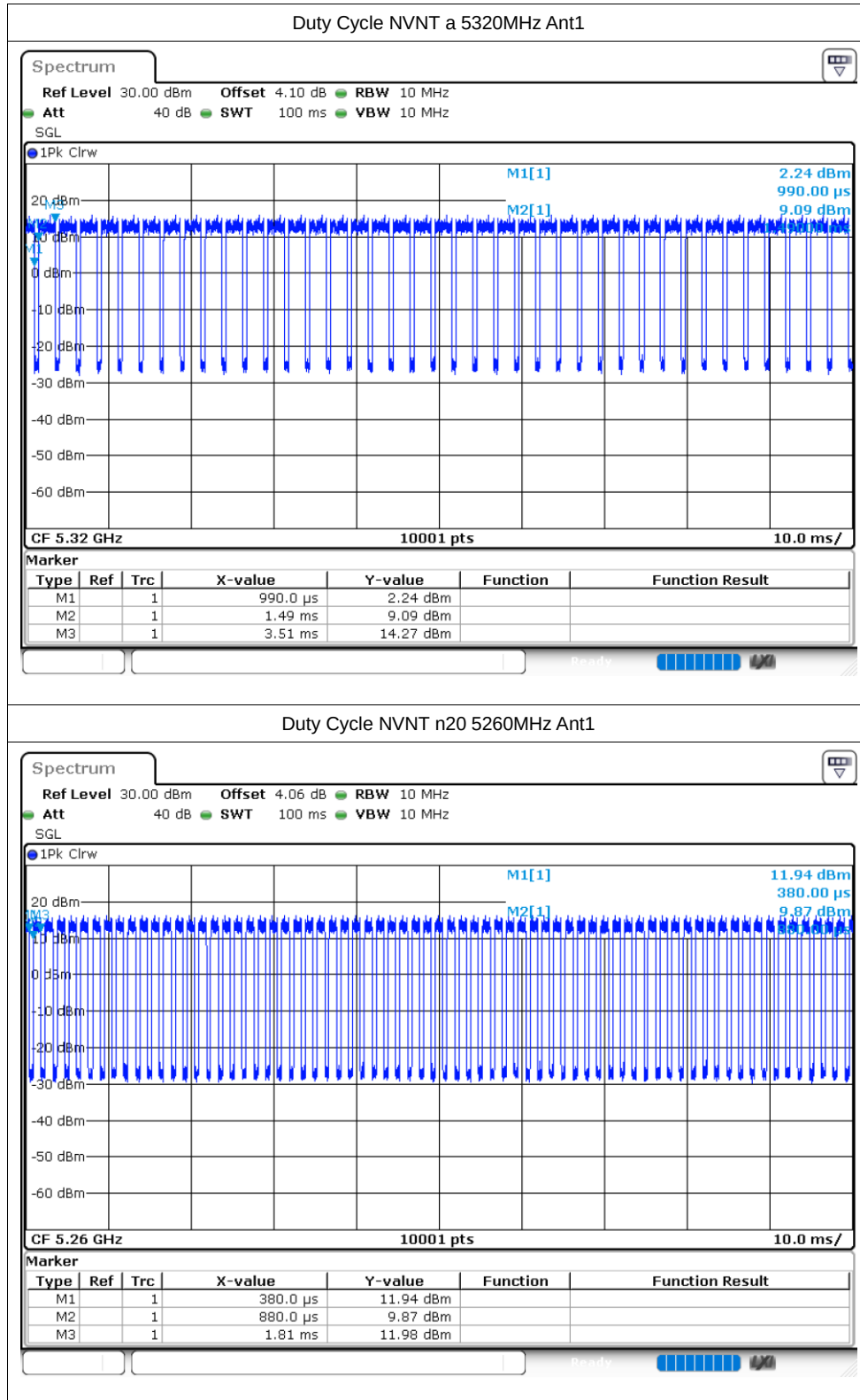
Test Graphs

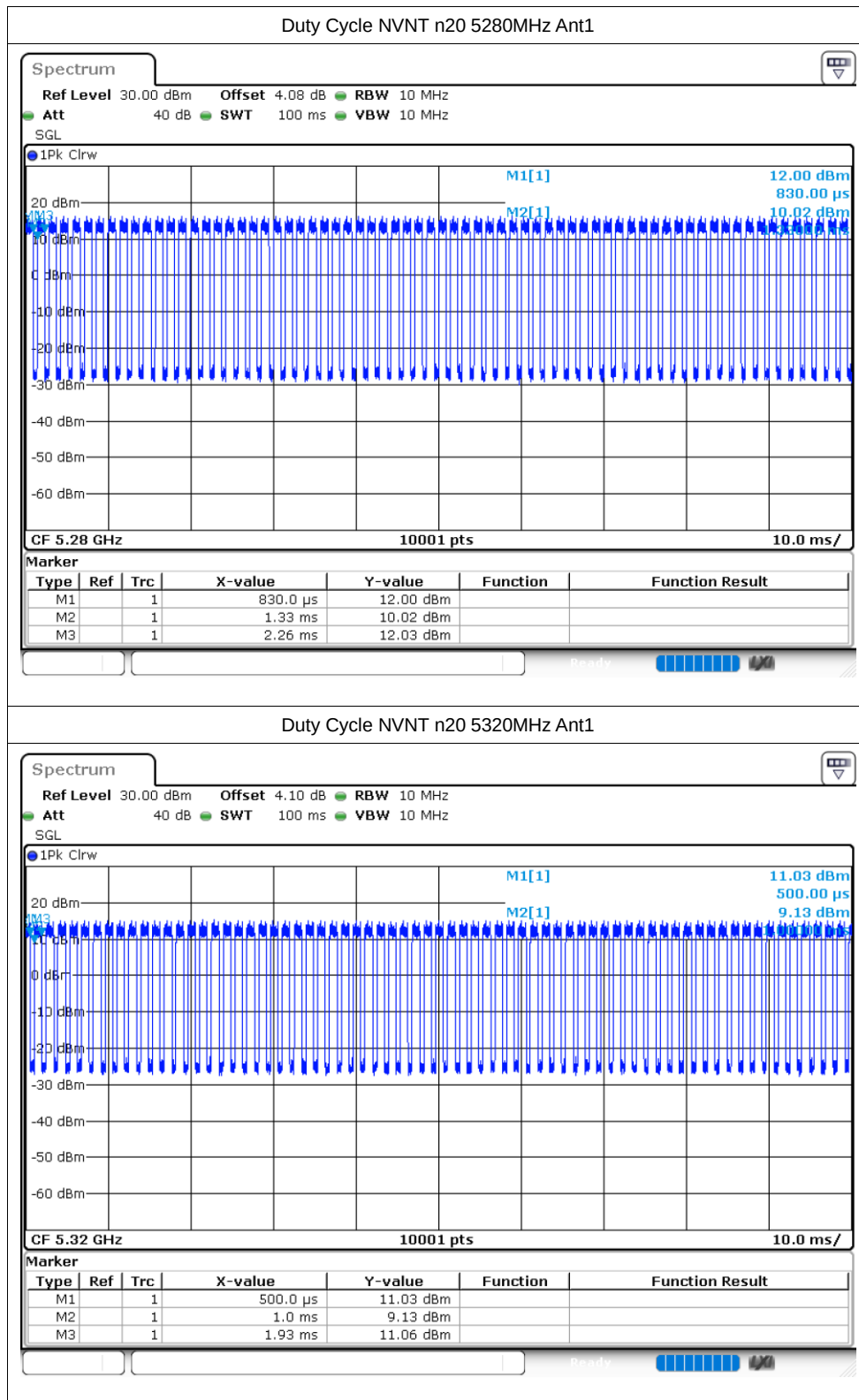
Duty Cycle NVNT a 5260MHz Ant1



Duty Cycle NVNT a 5280MHz Ant1







Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	9.22	24	Pass
NVNT	a	5280	Ant1	9.17	24	Pass
NVNT	a	5320	Ant1	9.08	24	Pass
NVNT	n20	5260	Ant1	9.04	24	Pass
NVNT	n20	5280	Ant1	8.76	24	Pass
NVNT	n20	5320	Ant1	8.83	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	19.836	Pass
NVNT	a	5280	Ant1	19.113	Pass
NVNT	a	5320	Ant1	18.855	Pass
NVNT	n20	5260	Ant1	19.425	Pass
NVNT	n20	5280	Ant1	20.112	Pass
NVNT	n20	5320	Ant1	19.821	Pass

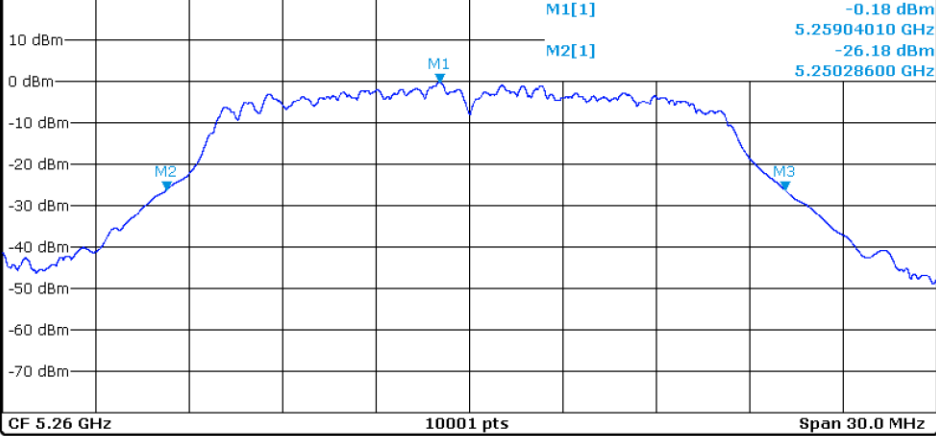
Test Graphs

-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

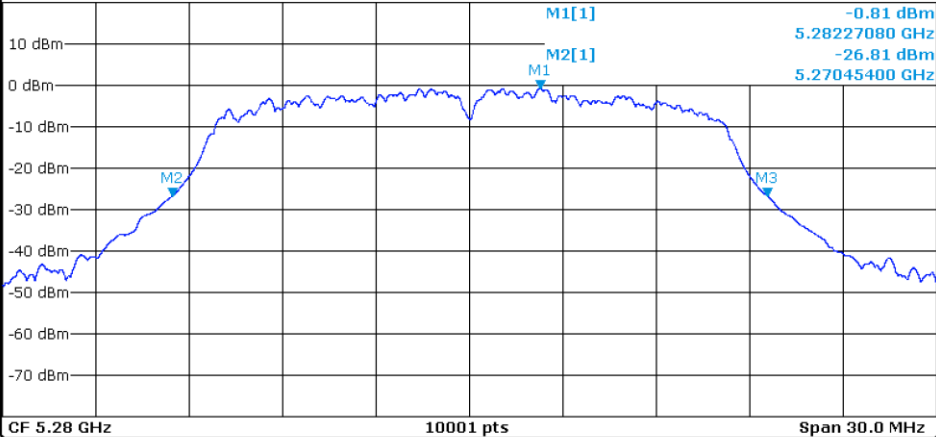


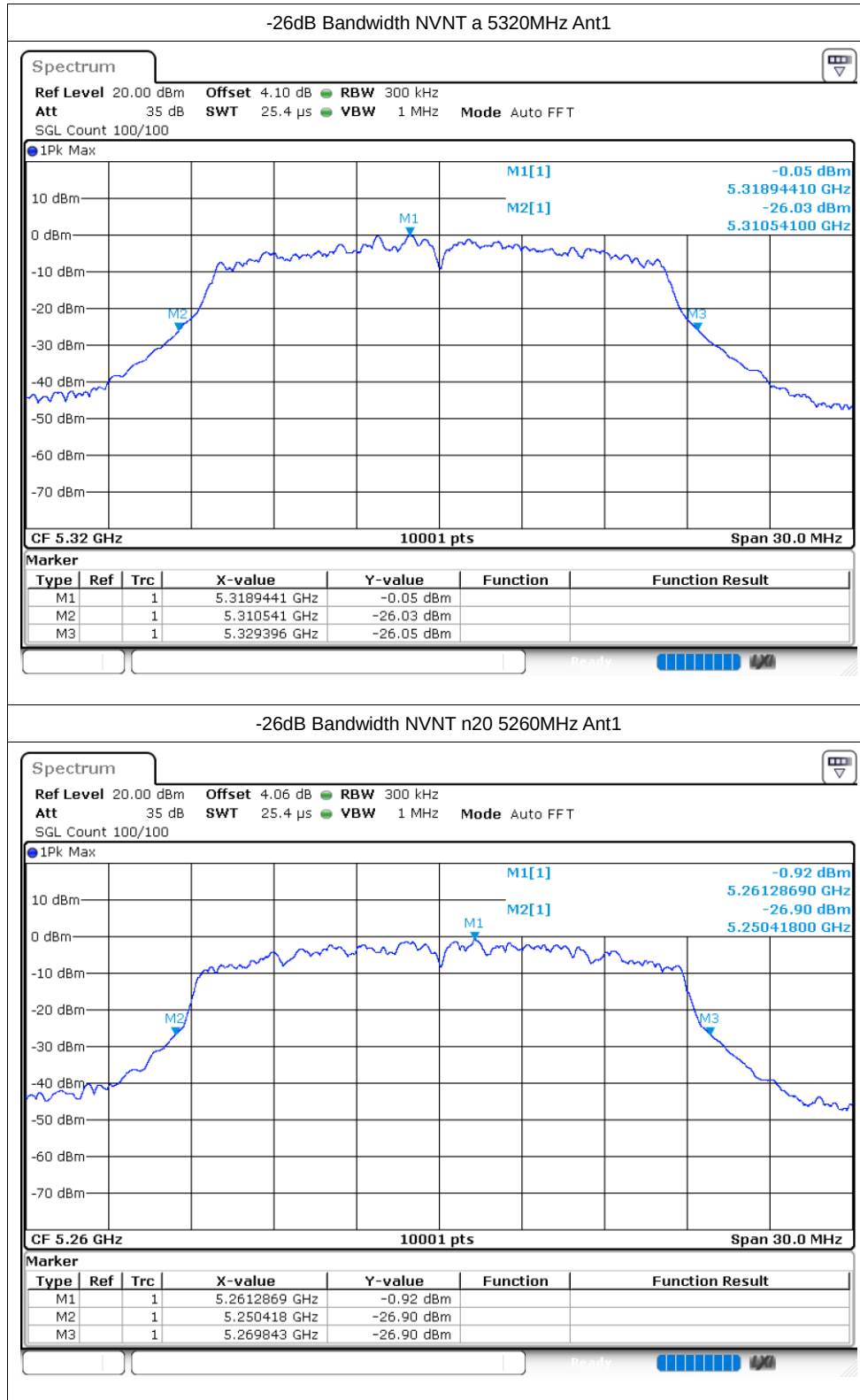
-26dB Bandwidth NVNT a 5280MHz Ant1

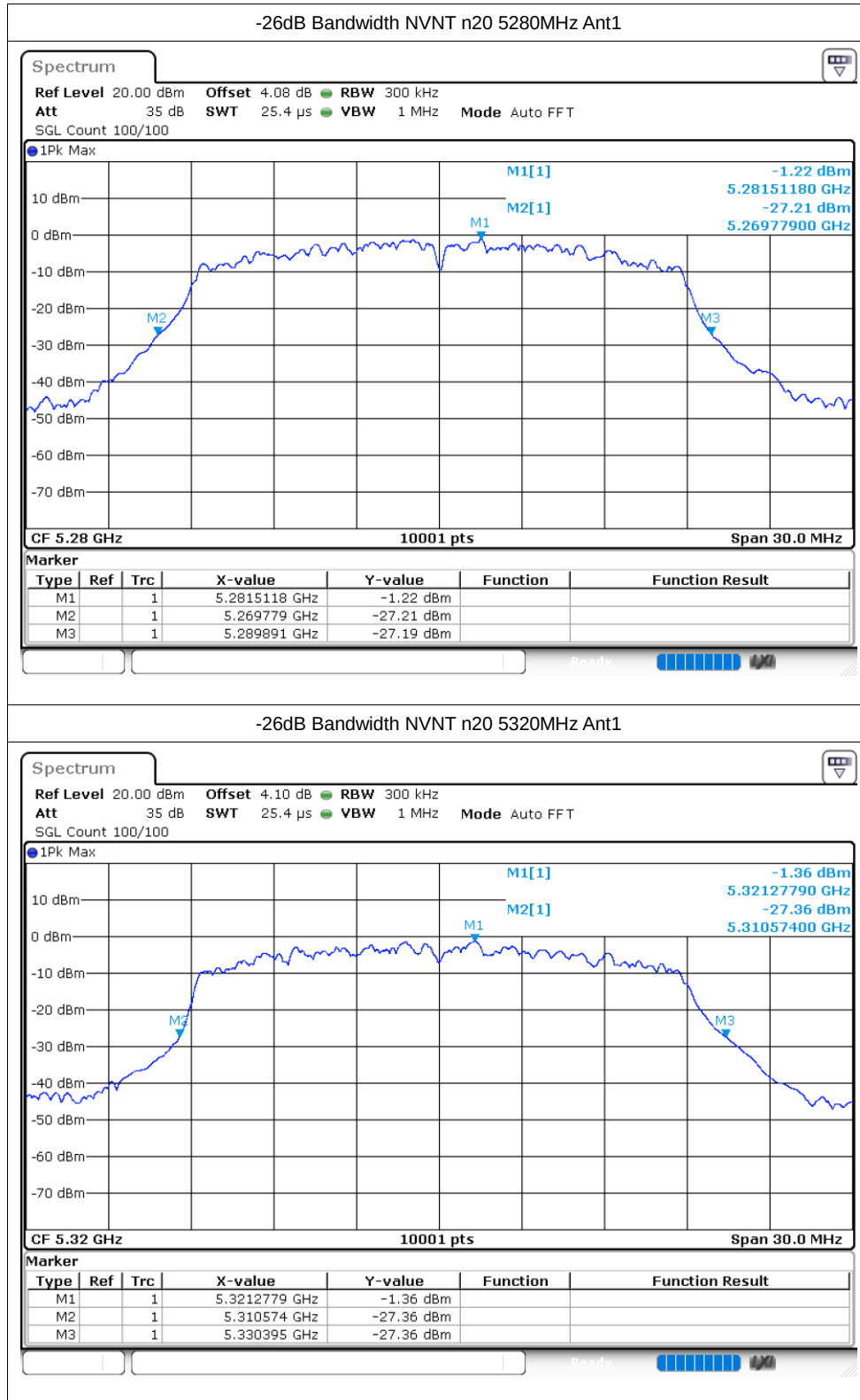
Spectrum

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





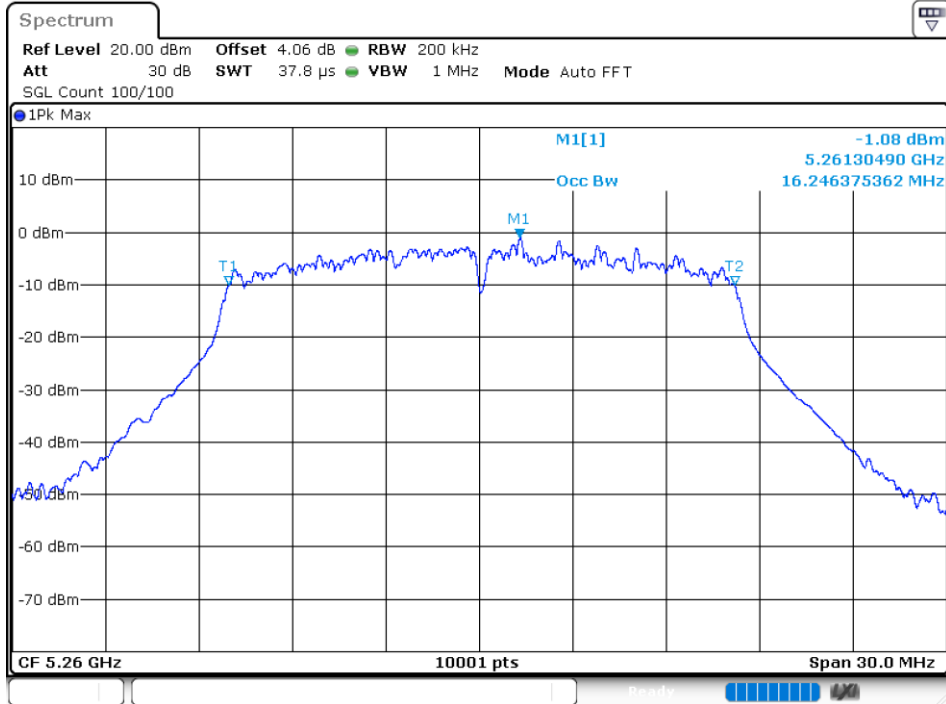


Occupied Channel Bandwidth

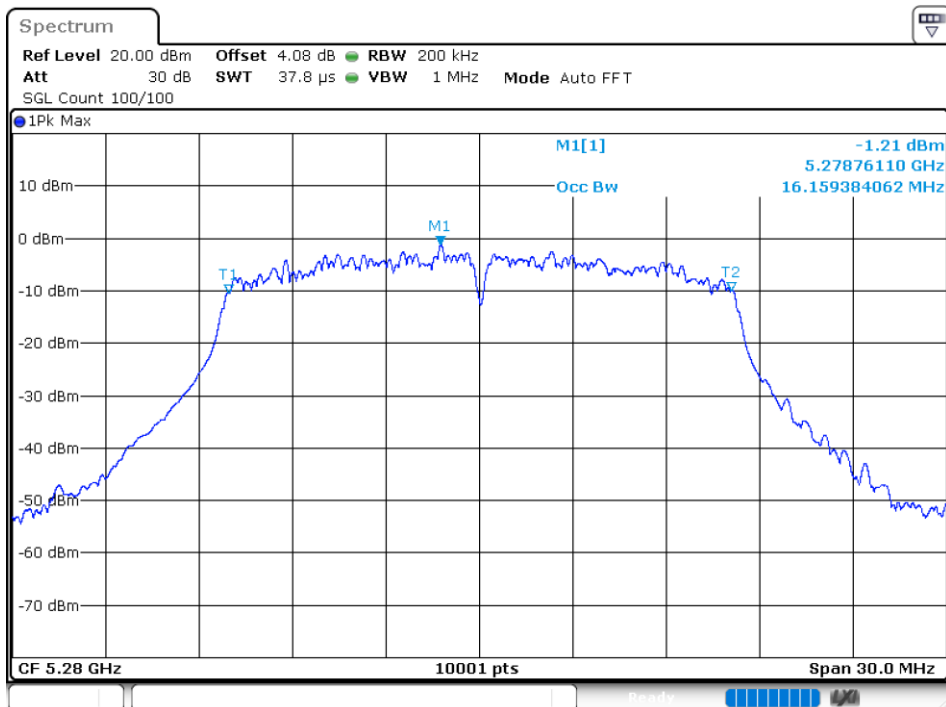
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.246
NVNT	a	5280	Ant1	16.159
NVNT	a	5320	Ant1	16.261
NVNT	n20	5260	Ant1	17.242
NVNT	n20	5280	Ant1	17.311
NVNT	n20	5320	Ant1	17.35

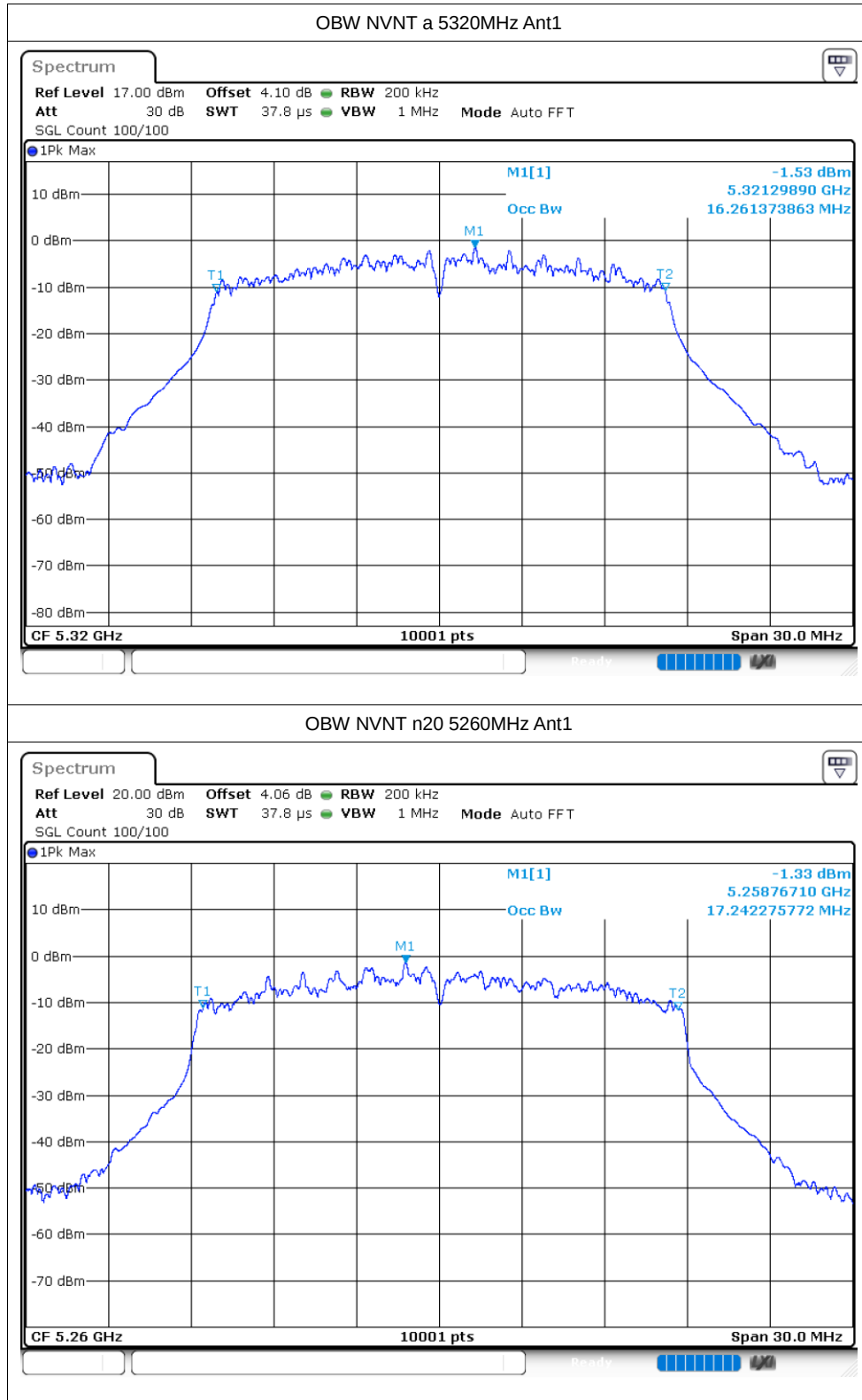
Test Graphs

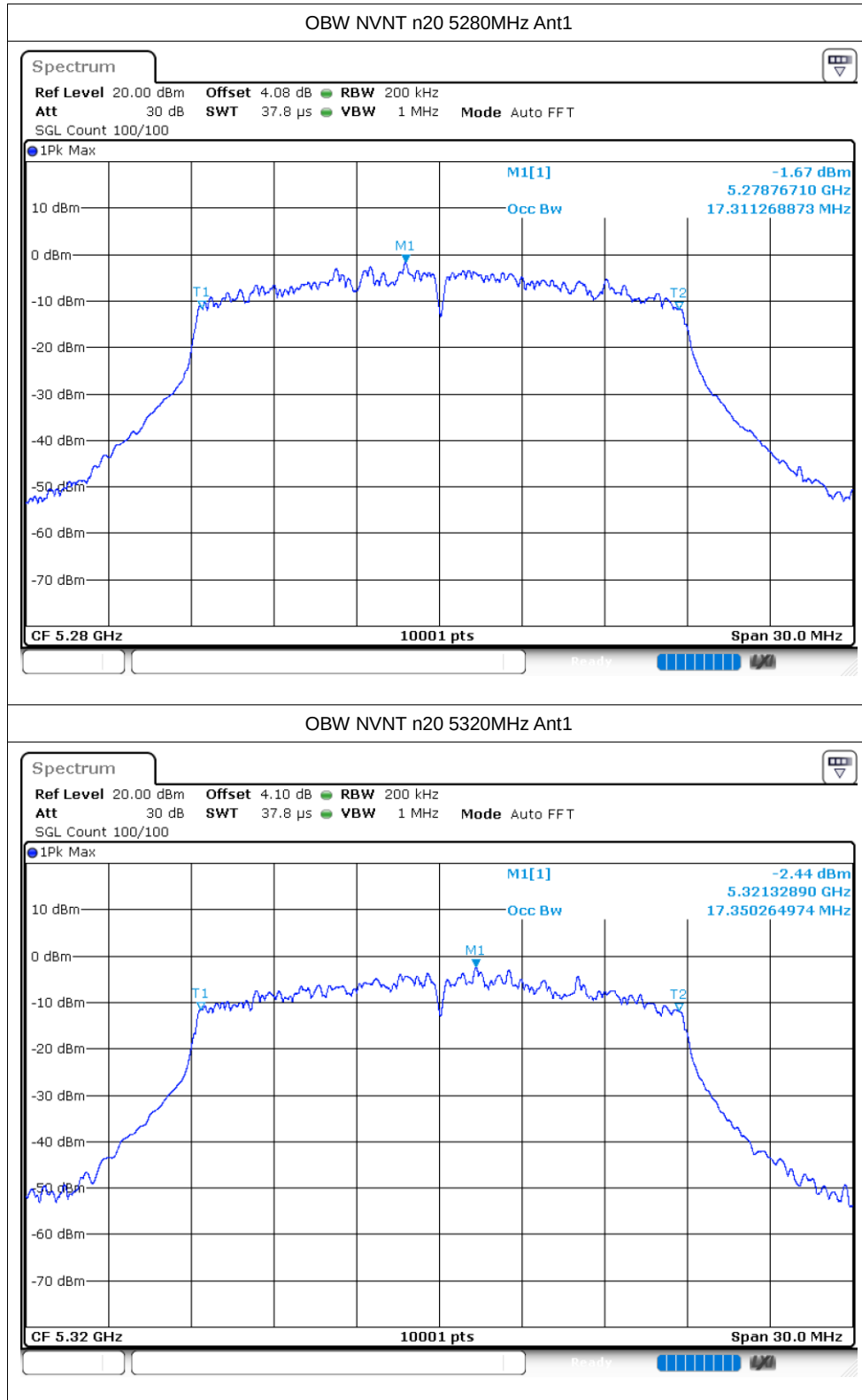
OBW NVNT a 5260MHz Ant1



OBW NVNT a 5280MHz Ant1





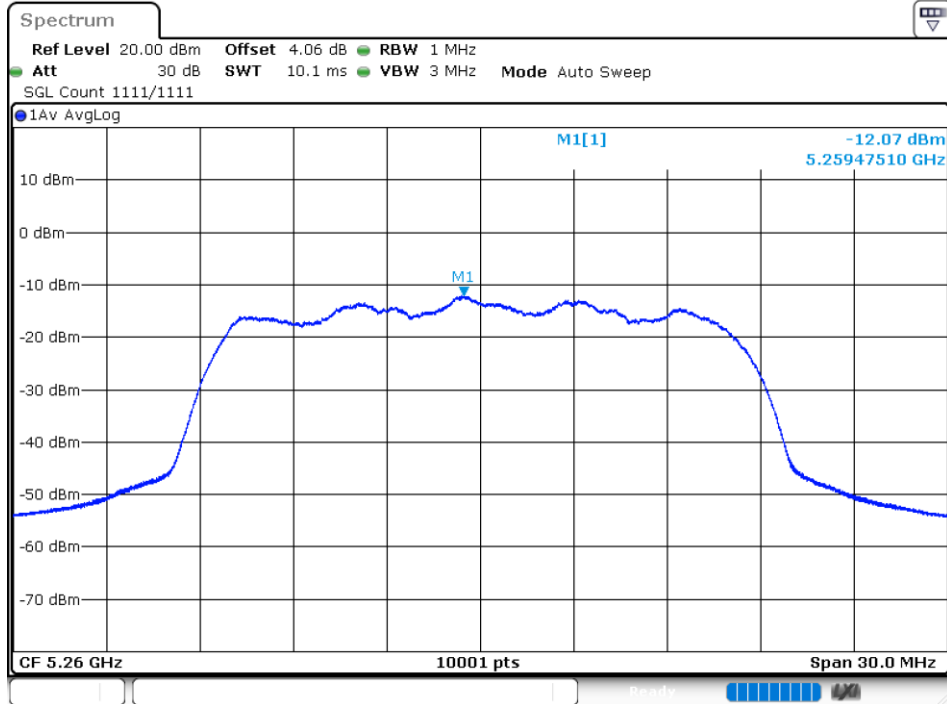


Maximum Power Spectral Density Level

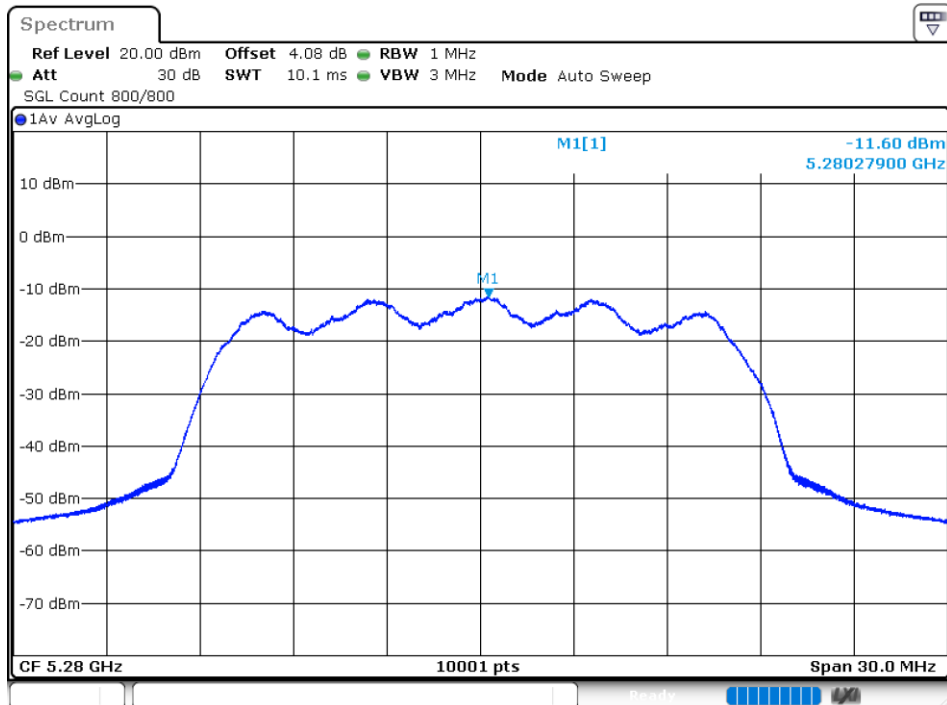
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-12.07	0.95	-11.12	11	Pass
NVNT	a	5280	Ant1	-11.6	0.93	-10.67	11	Pass
NVNT	a	5320	Ant1	-12.09	0.95	-11.14	11	Pass
NVNT	n20	5260	Ant1	-21.18	1.84	-19.34	11	Pass
NVNT	n20	5280	Ant1	-20.96	1.84	-19.12	11	Pass
NVNT	n20	5320	Ant1	-21.37	1.83	-19.54	11	Pass

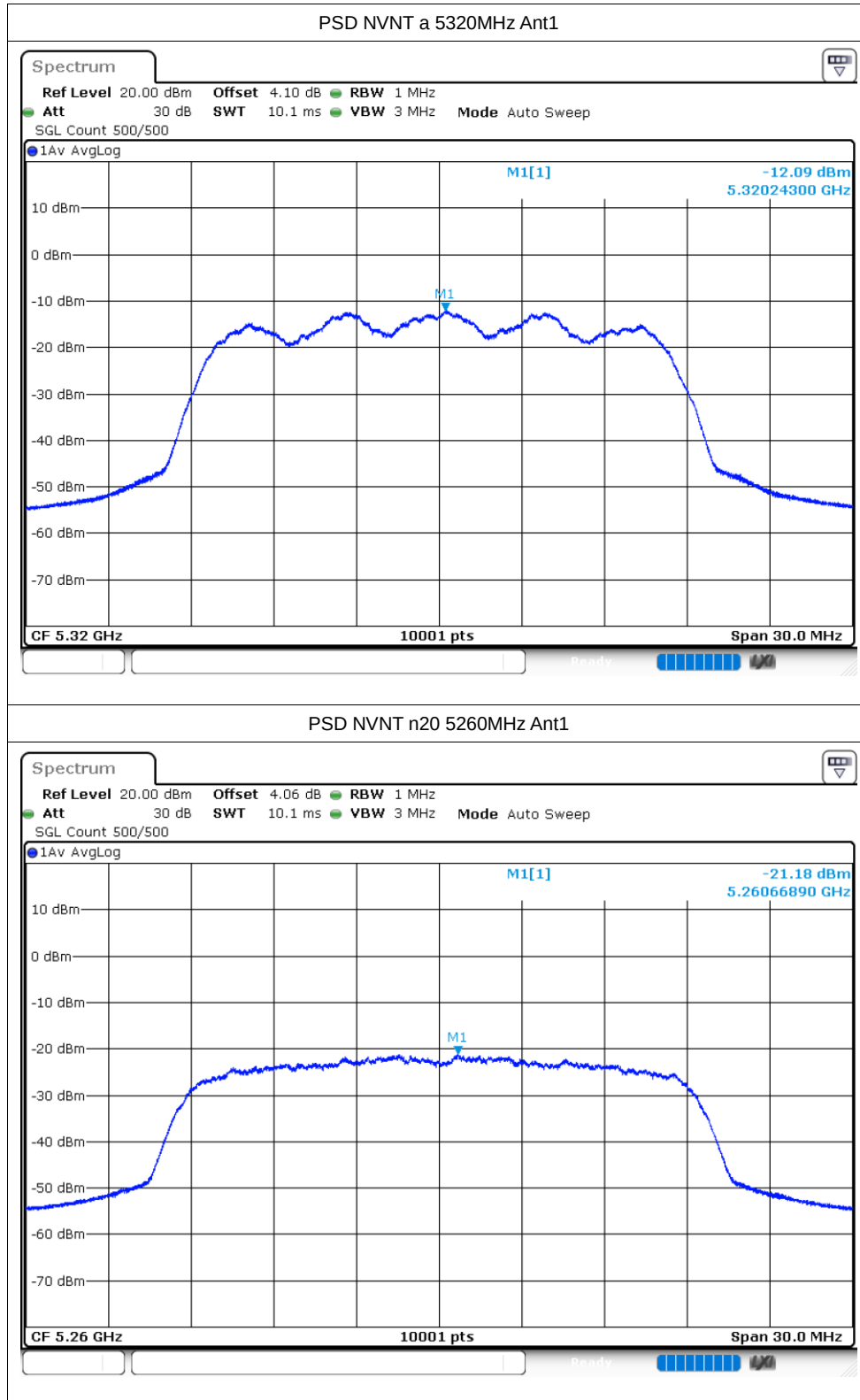
Test Graphs

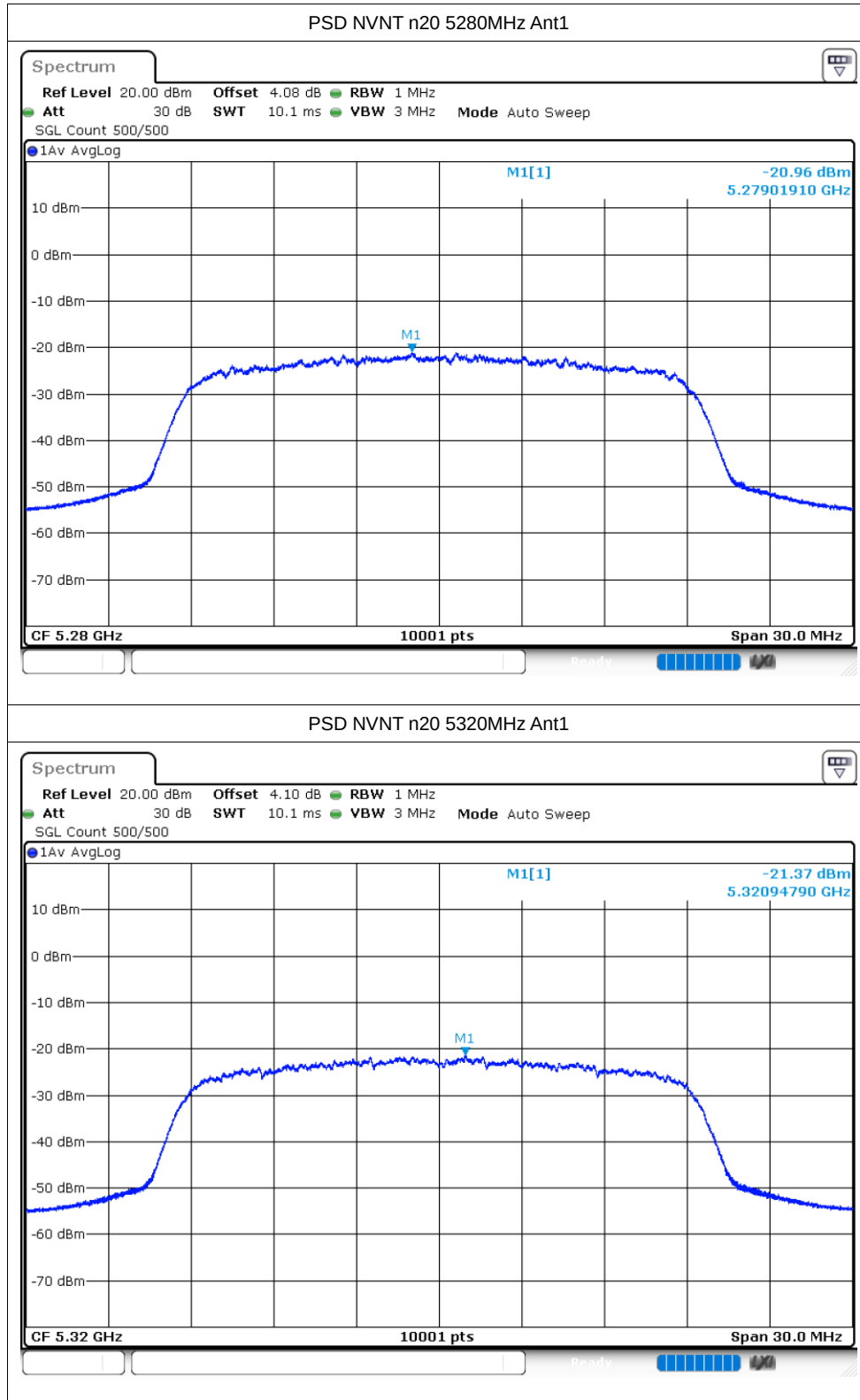
PSD NVNT a 5260MHz Ant1



PSD NVNT a 5280MHz Ant1







Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-41.23	-27	Pass
NVNT	a	5320	Ant1	-40.54	-27	Pass
NVNT	n20	5260	Ant1	-40.99	-27	Pass
NVNT	n20	5320	Ant1	-40.66	-27	Pass

Note: This test has increased antenna gain .

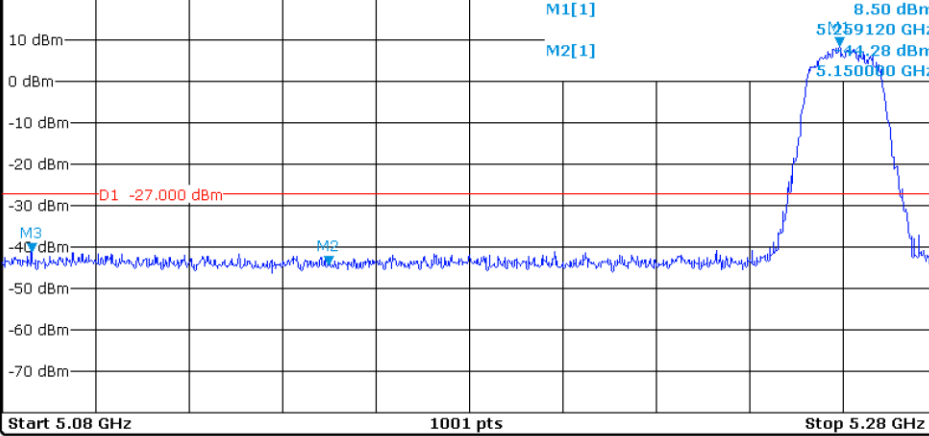
Test Graphs

Band Edge NVNT a 5260MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 6.39 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

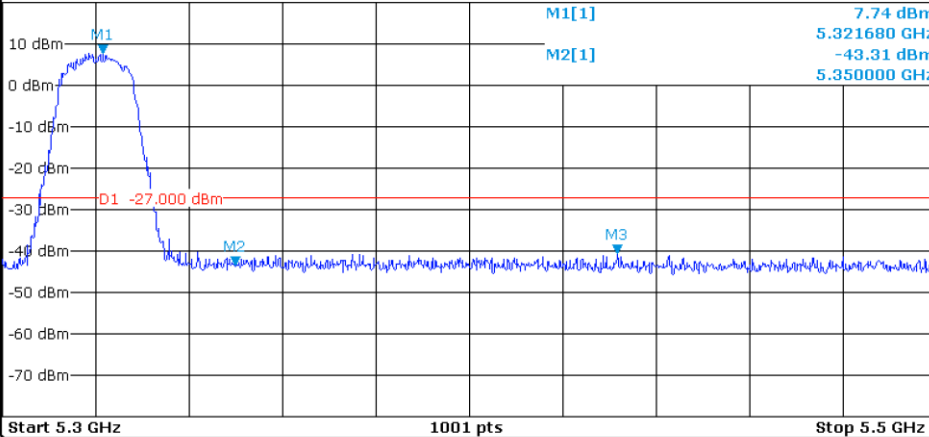
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.25912 GHz	8.50 dBm		
M2	1		5.15 GHz	-44.28 dBm		
M3	1		5.0864 GHz	-41.24 dBm		

Band Edge NVNT a 5320MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 6.43 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

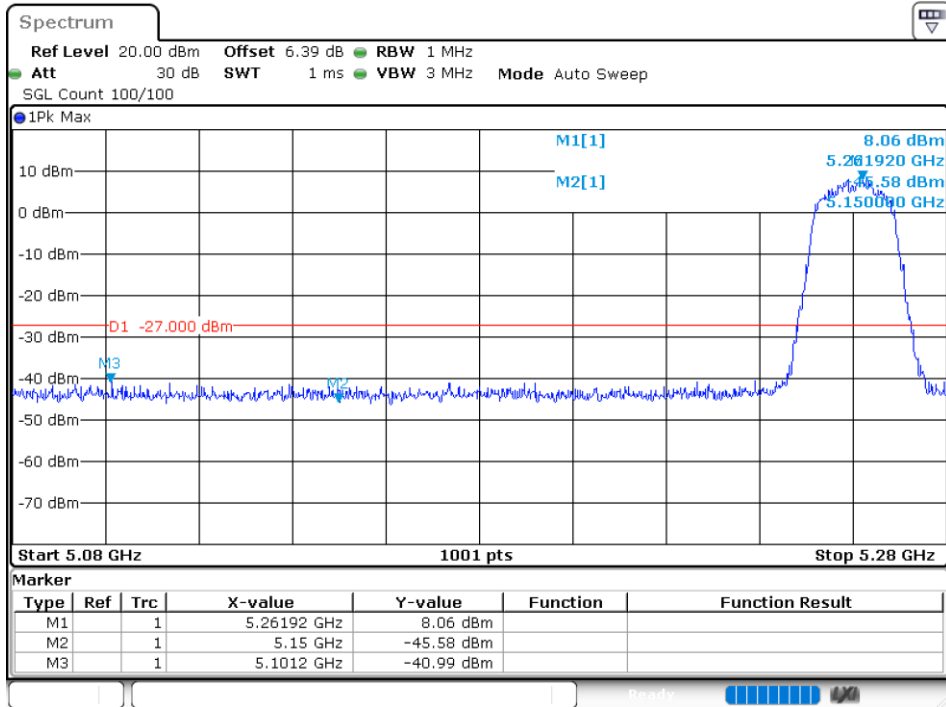
1Pk Max



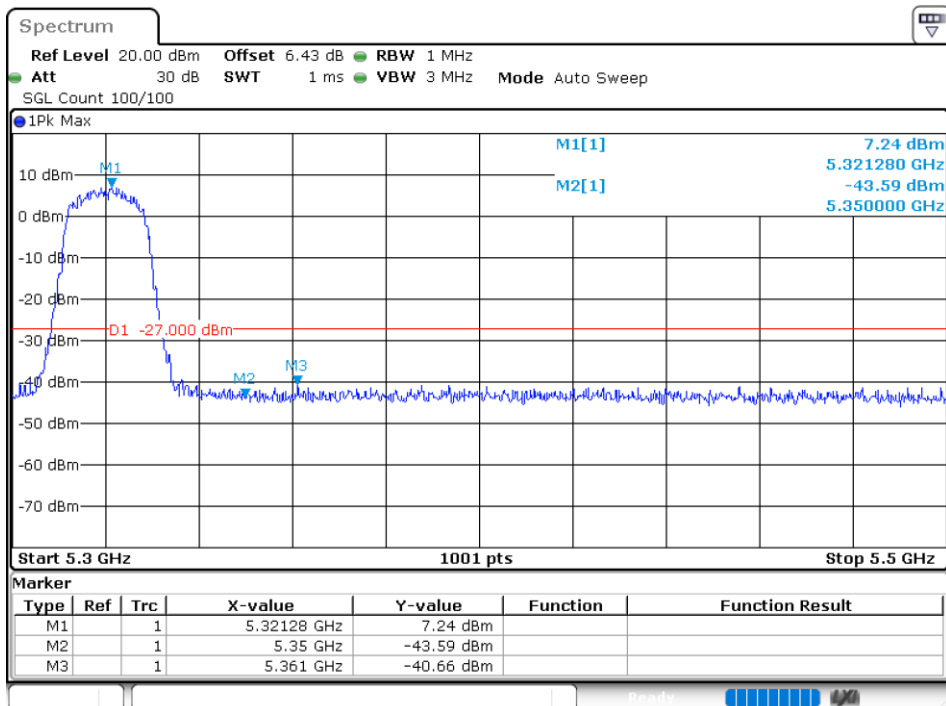
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.32168 GHz	7.74 dBm		
M2	1		5.35 GHz	-43.31 dBm		
M3	1		5.4316 GHz	-40.54 dBm		

Band Edge NVNT n20 5260MHz Low Ant1



Band Edge NVNT n20 5320MHz High Ant1



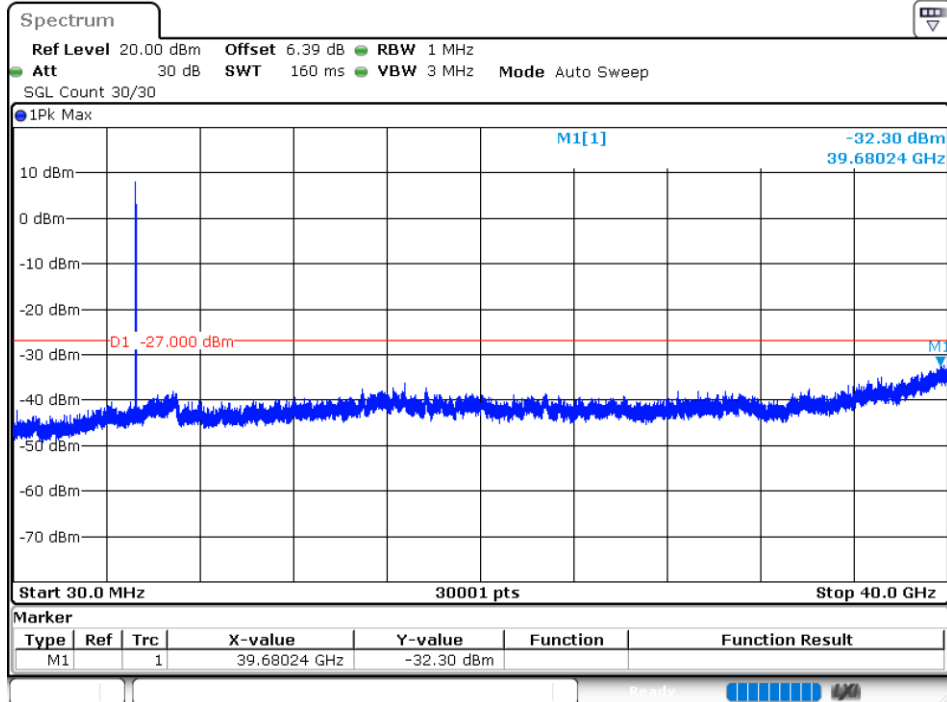
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-32.29	-27	Pass
NVNT	a	5280	Ant1	-31.2	-27	Pass
NVNT	a	5320	Ant1	-32.23	-27	Pass
NVNT	n20	5260	Ant1	-31.77	-27	Pass
NVNT	n20	5280	Ant1	-32.51	-27	Pass
NVNT	n20	5320	Ant1	-31.15	-27	Pass

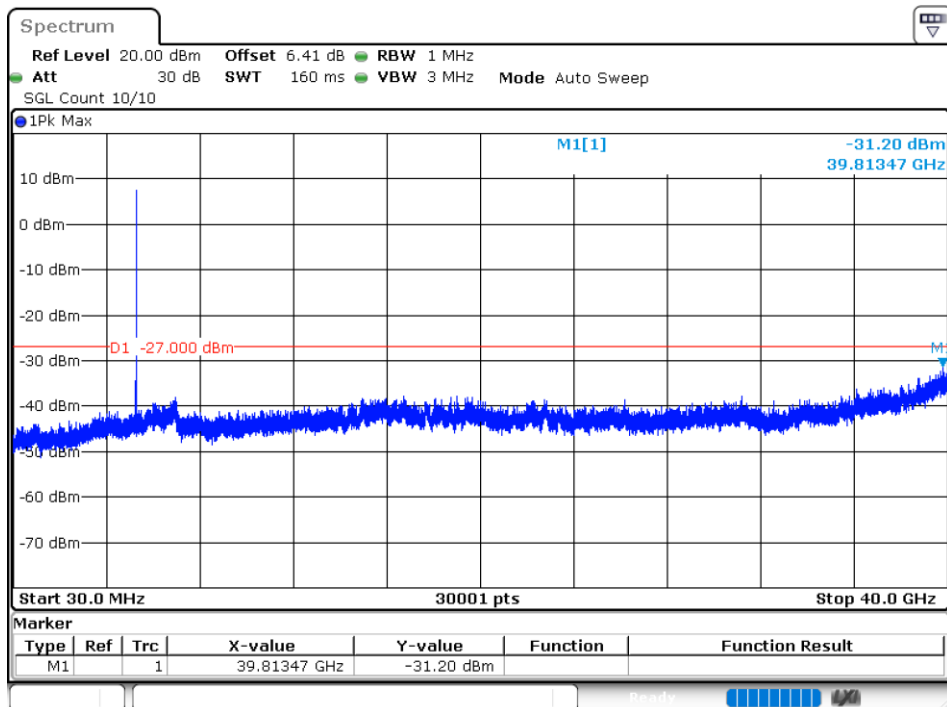
Note: This test has increased antenna gain .

Test Graphs

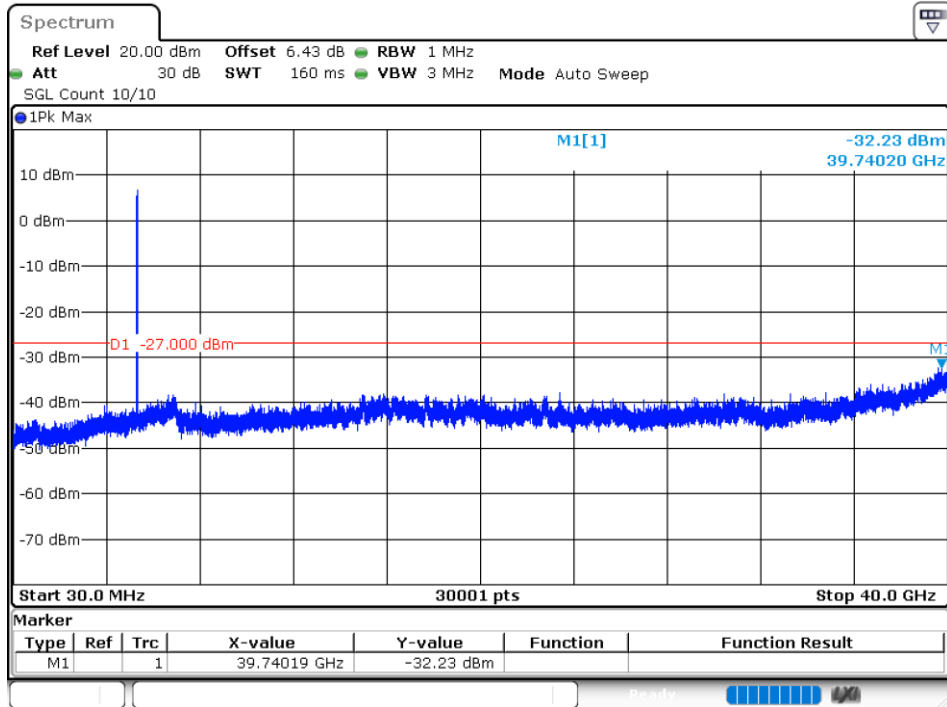
Tx. Spurious NVNT a 5260MHz Ant1 Emission



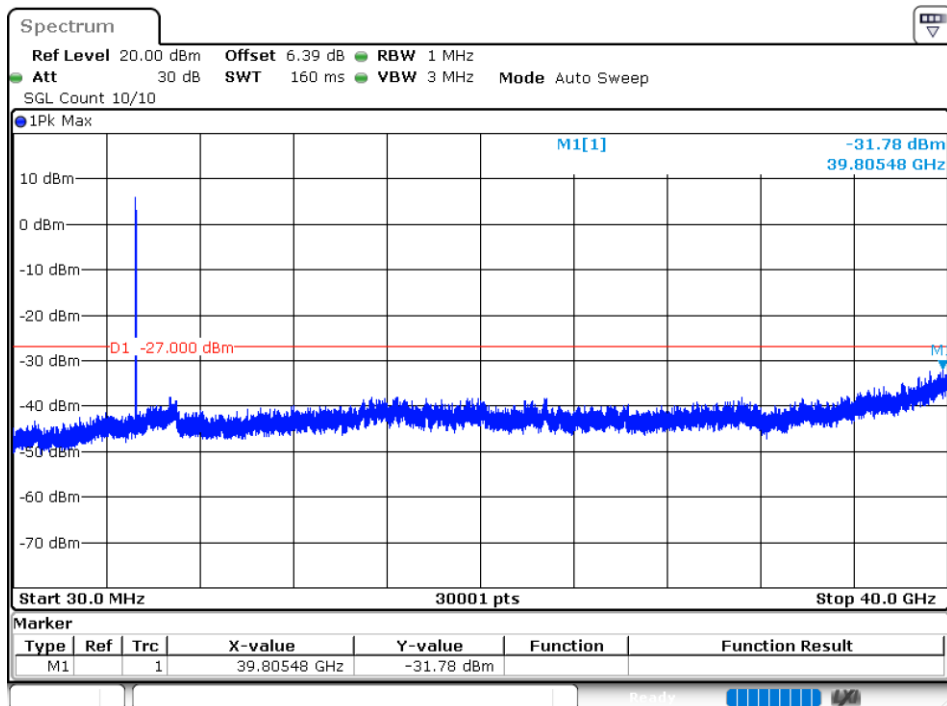
Tx. Spurious NVNT a 5280MHz Ant1 Emission

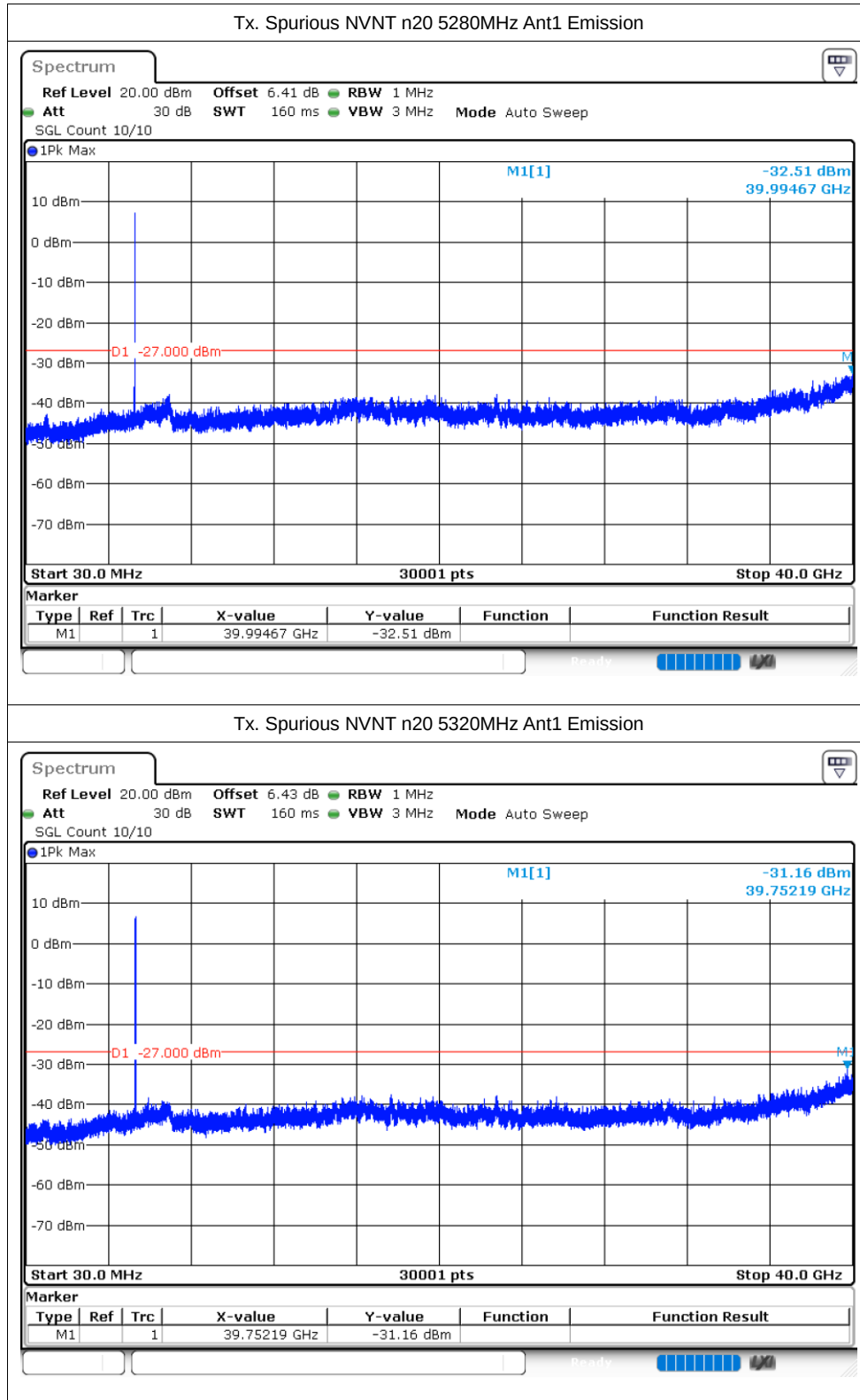


Tx. Spurious NVNT a 5320MHz Ant1 Emission



Tx. Spurious NVNT n20 5260MHz Ant1 Emission





5.6G

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	80.32	0.95	0.5
NVNT	a	5600	Ant1	80.35	0.95	0.49
NVNT	a	5700	Ant1	80.46	0.94	0.5
NVNT	n20	5500	Ant1	65.5	1.84	1.09
NVNT	n20	5600	Ant1	65.68	1.83	1.08
NVNT	n20	5700	Ant1	65.56	1.83	1.09

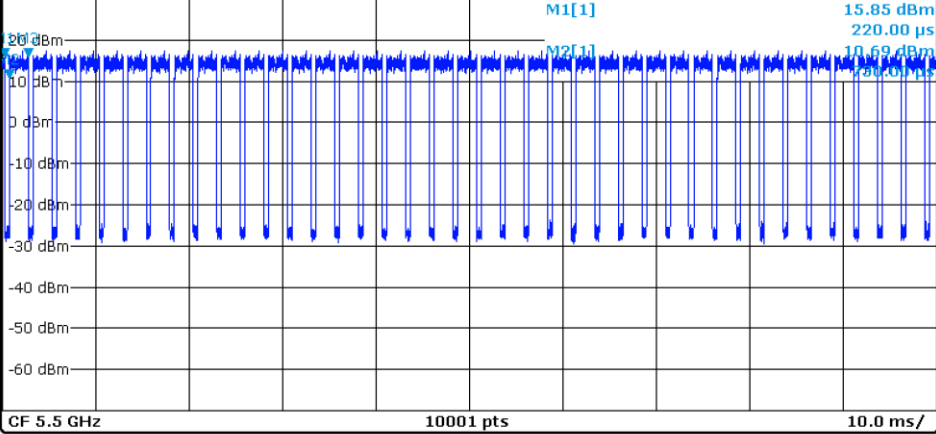
Test Graphs

Duty Cycle NVNT a 5500MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.13 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

1Pk Clrw

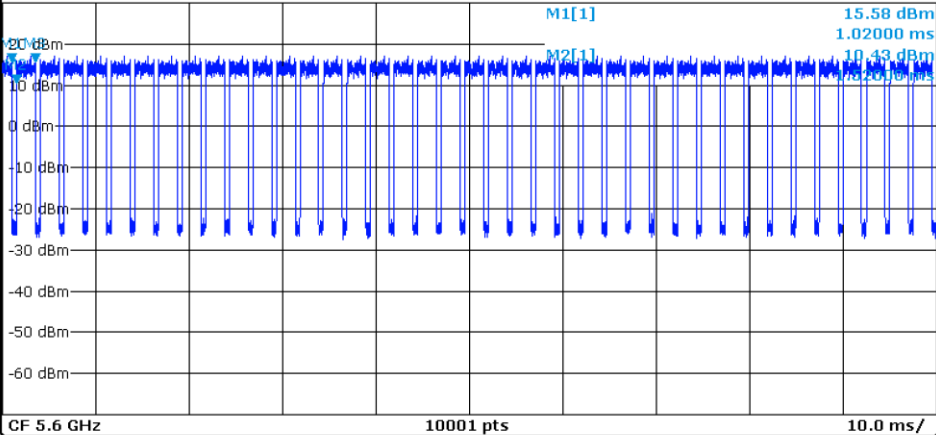


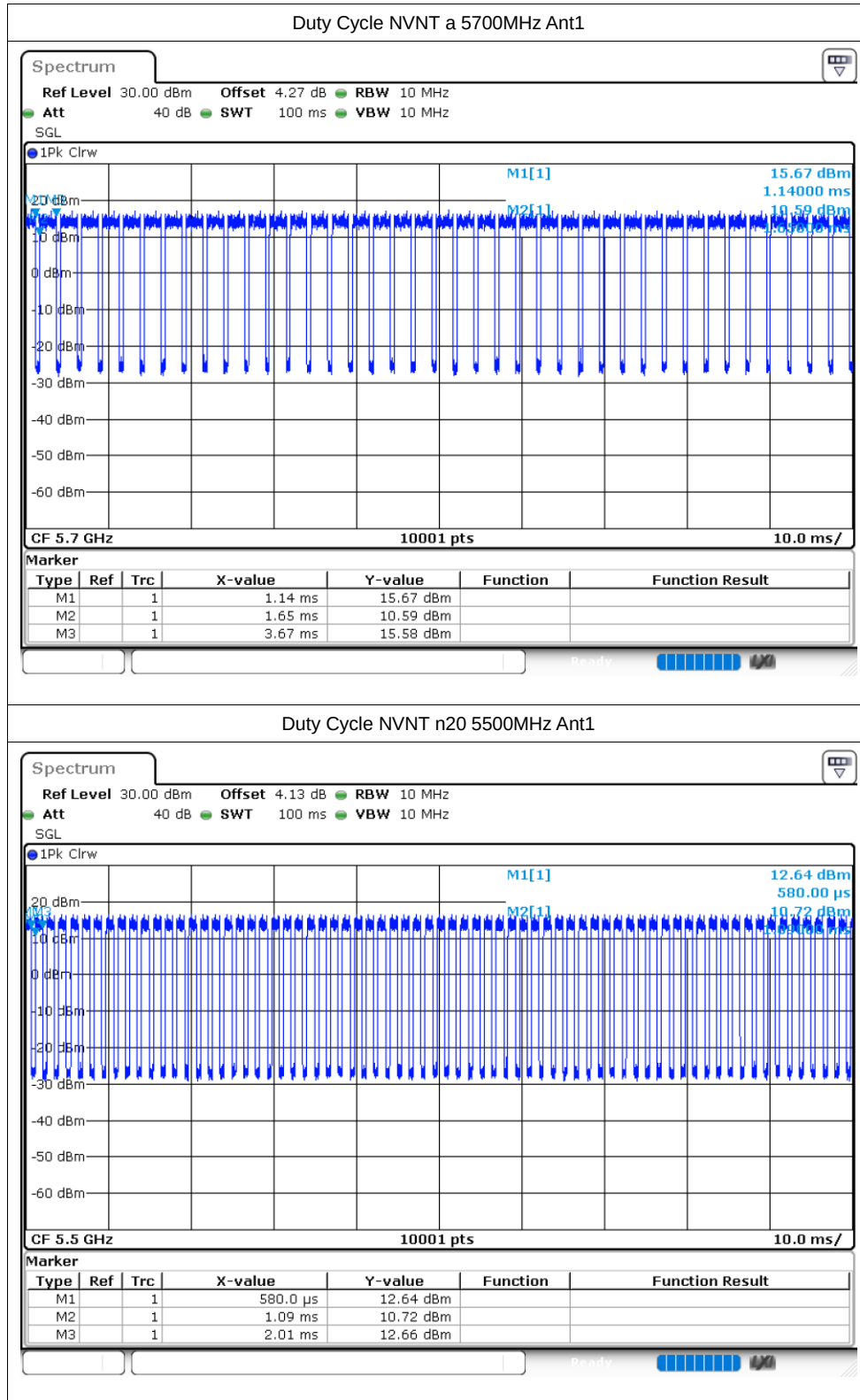
Duty Cycle NVNT a 5600MHz Ant1

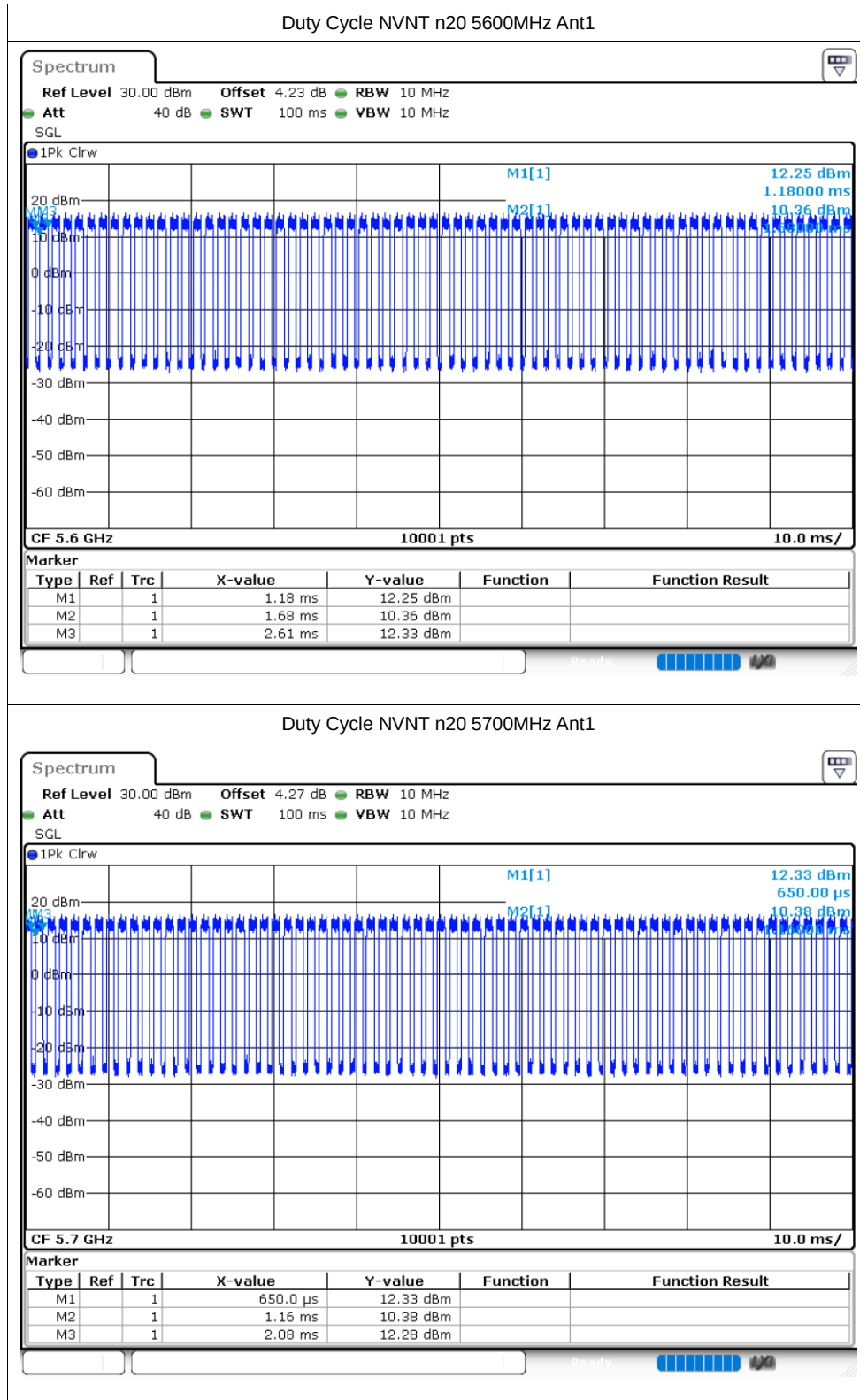
Spectrum

Ref Level 30.00 dBm Offset 4.23 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	5500	Ant1	10.16	24	Pass
NVNT	a	5600	Ant1	9.85	24	Pass
NVNT	a	5700	Ant1	9.98	24	Pass
NVNT	n20	5500	Ant1	9.93	24	Pass
NVNT	n20	5600	Ant1	9.67	24	Pass
NVNT	n20	5700	Ant1	9.72	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	19.263	Pass
NVNT	a	5600	Ant1	19.254	Pass
NVNT	a	5700	Ant1	19.458	Pass
NVNT	n20	5500	Ant1	19.881	Pass
NVNT	n20	5600	Ant1	20.079	Pass
NVNT	n20	5700	Ant1	19.953	Pass