

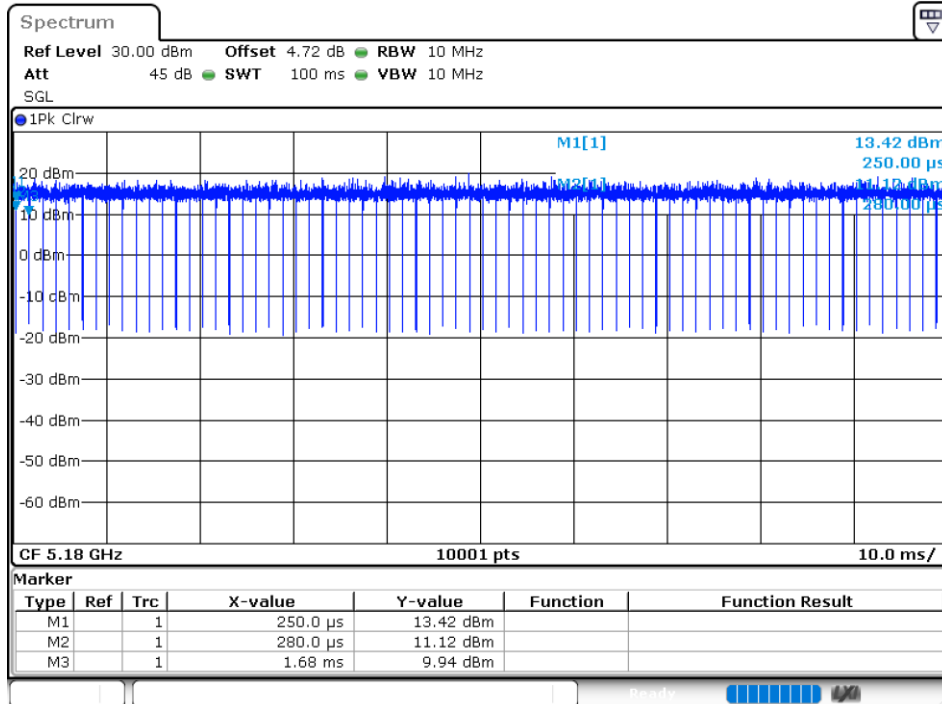
5.2G WIFI

Duty Cycle

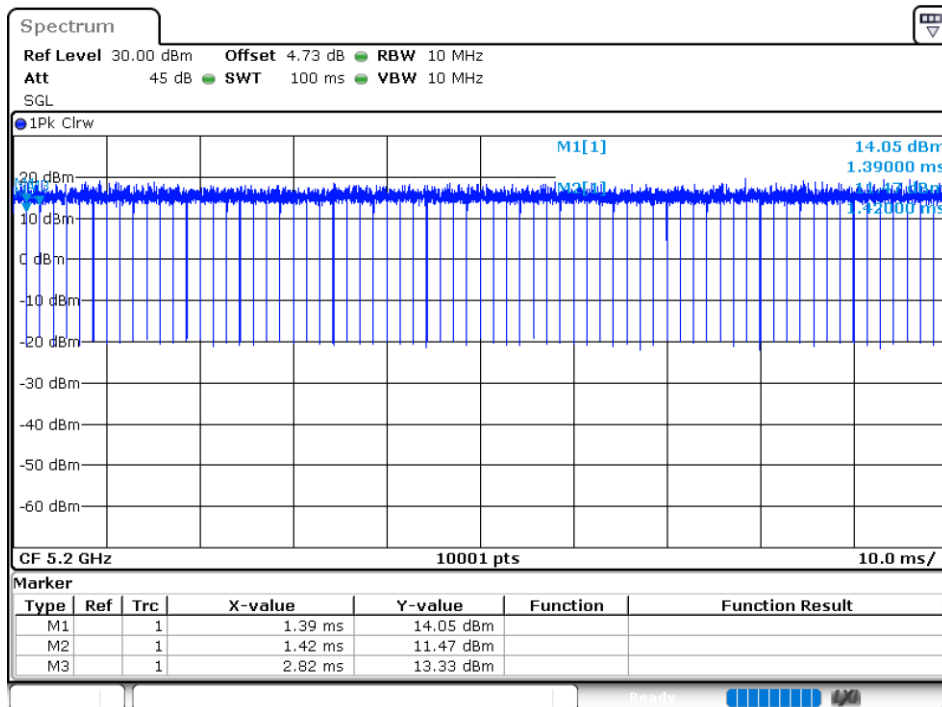
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	98.2	0.08	0.71
NVNT	a	5200	Ant1	98.19	0.08	0.71
NVNT	a	5240	Ant1	98.18	0.08	0.72
NVNT	n20	5180	Ant1	98.06	0.09	0.77
NVNT	n20	5200	Ant1	98.05	0.09	0.77
NVNT	n20	5240	Ant1	98.06	0.09	0.77
NVNT	n40	5190	Ant1	96.33	0.16	1.54
NVNT	n40	5230	Ant1	96.35	0.16	1.54
NVNT	ac20	5180	Ant1	98.08	0.08	0.76
NVNT	ac20	5200	Ant1	98.08	0.08	0.76
NVNT	ac20	5240	Ant1	98.09	0.08	0.76
NVNT	ac40	5190	Ant1	96.35	0.16	1.54
NVNT	ac40	5230	Ant1	96.35	0.16	1.52
NVNT	ac80	5210	Ant1	93.16	0.31	3.03

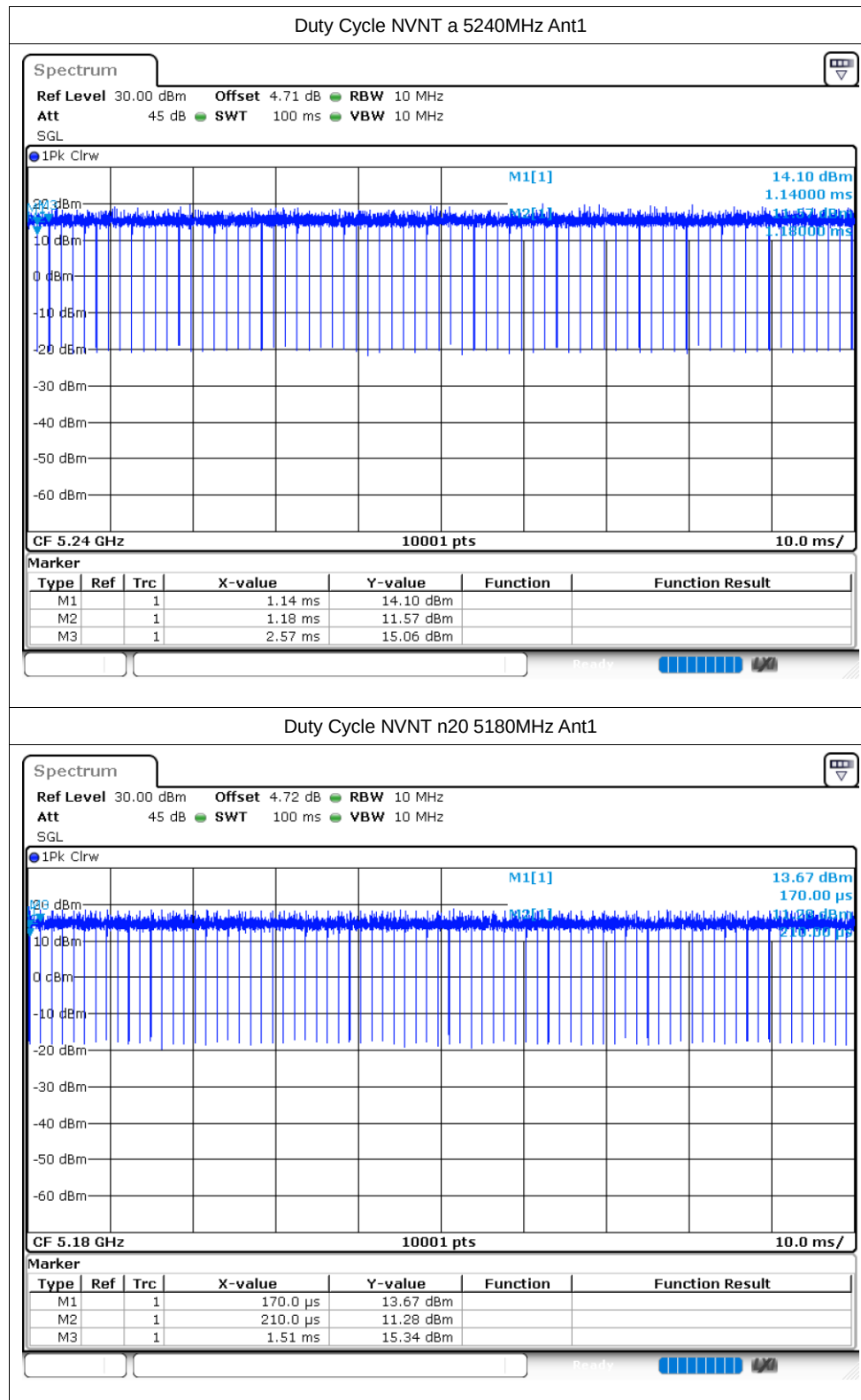
Test Graphs

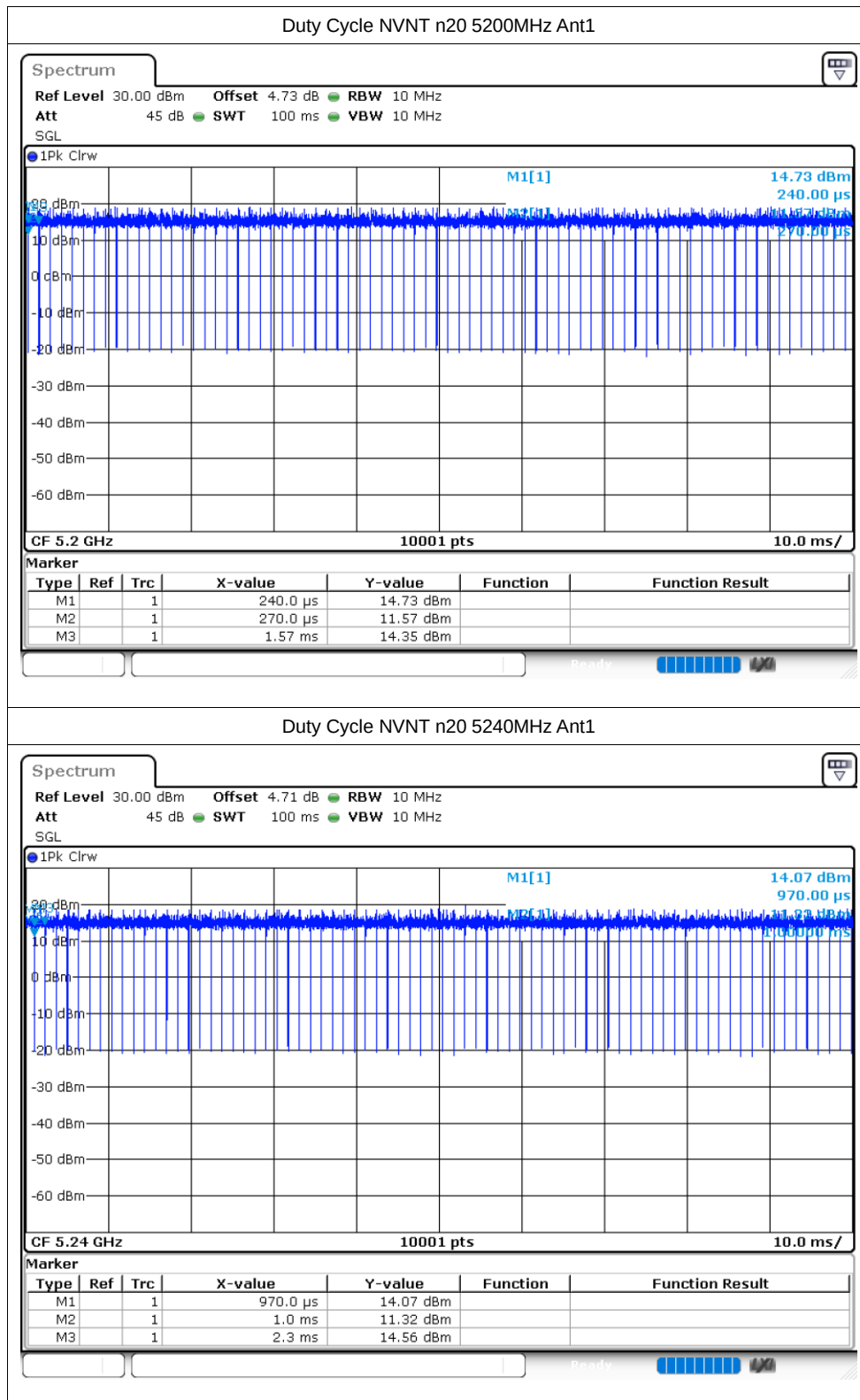
Duty Cycle NVNT a 5180MHz Ant1

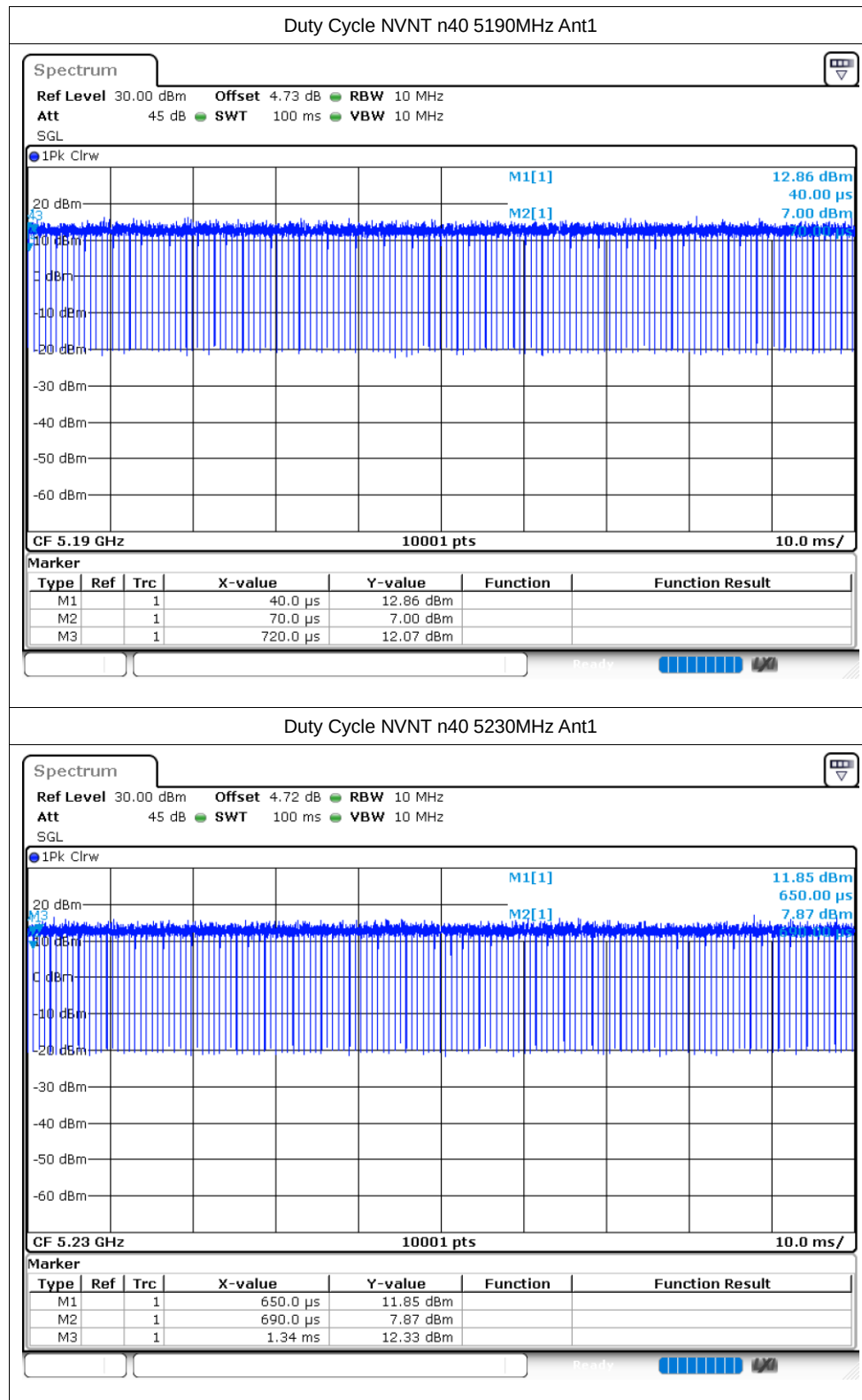


Duty Cycle NVNT a 5200MHz Ant1

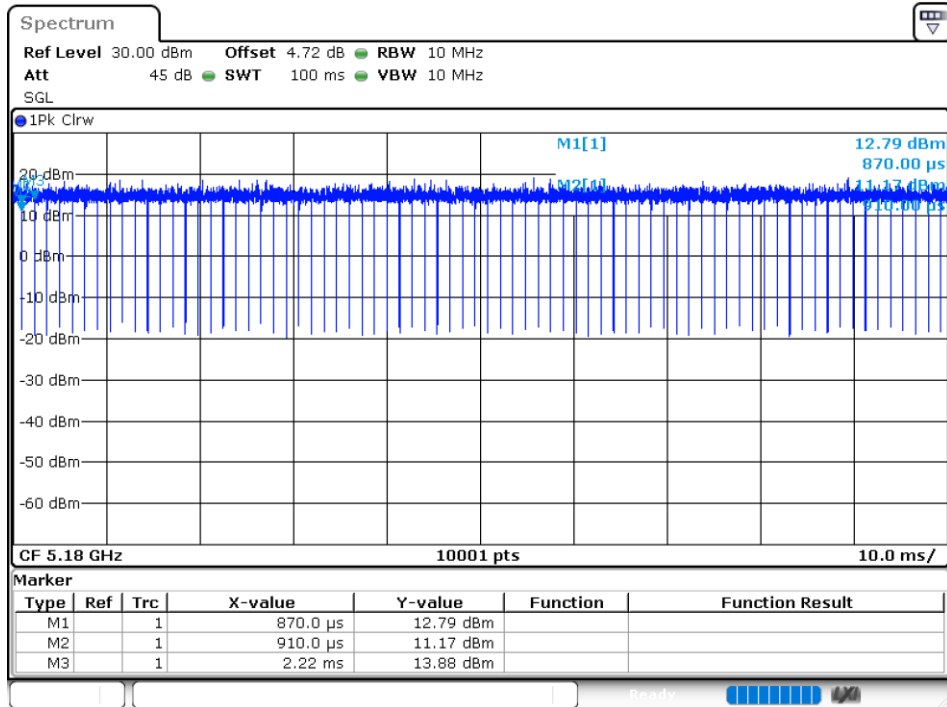




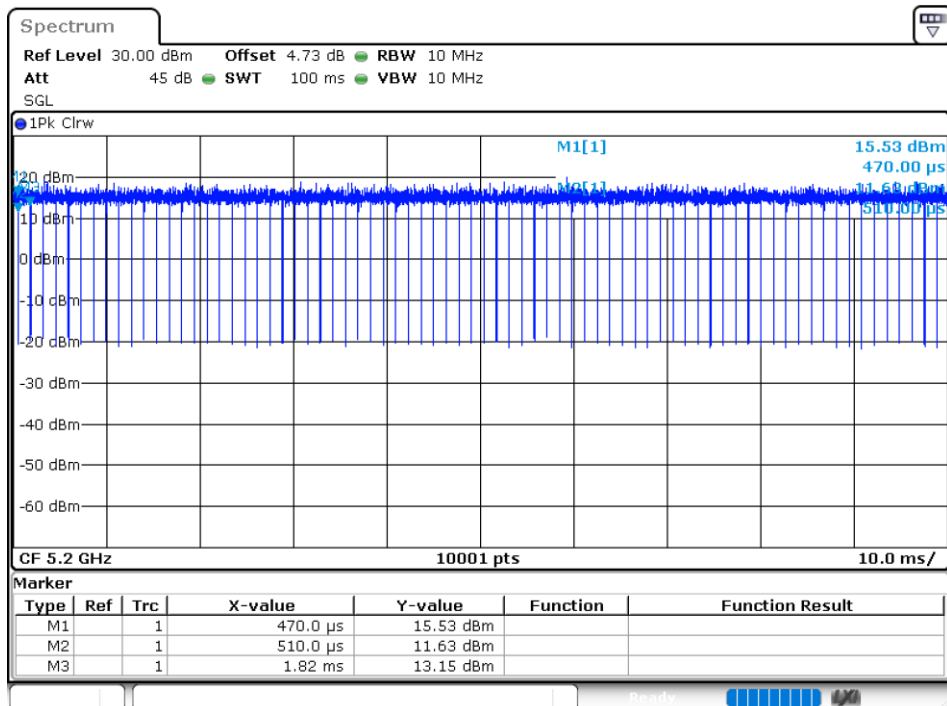




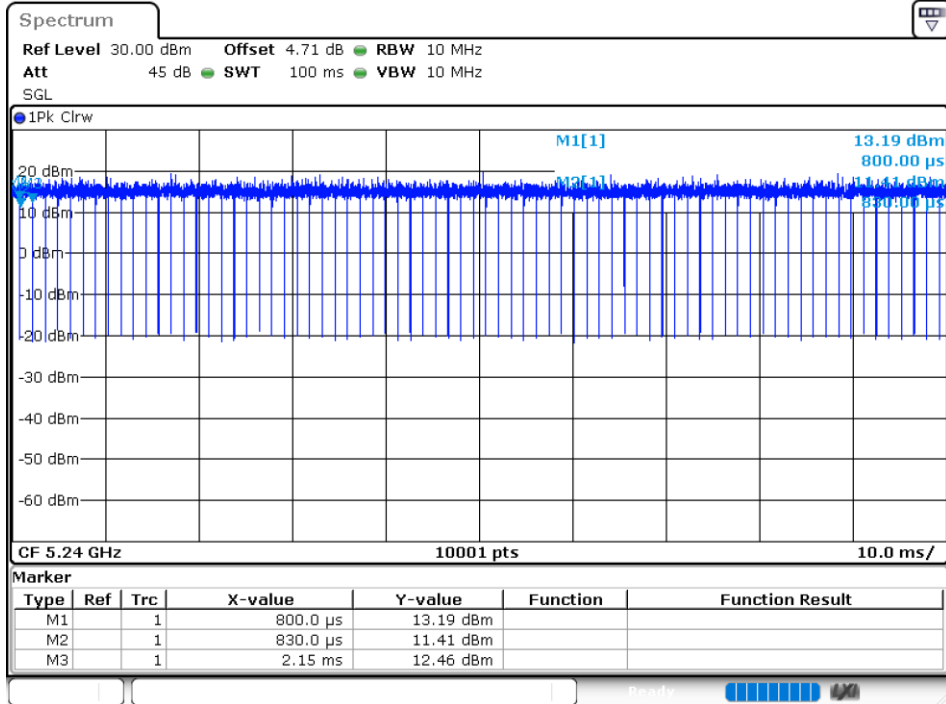
Duty Cycle NVNT ac20 5180MHz Ant1



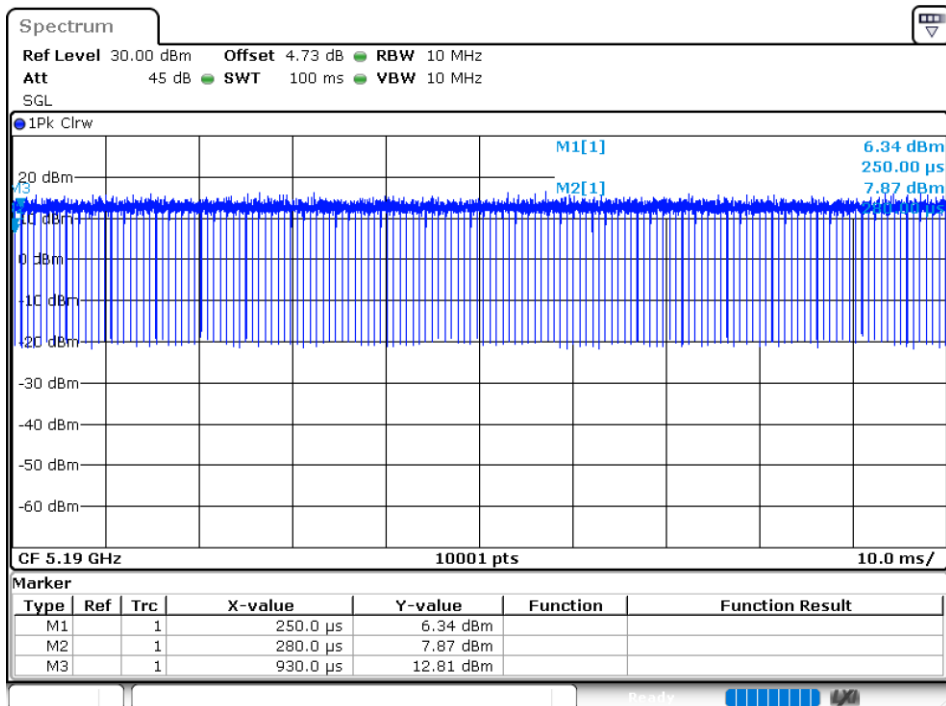
Duty Cycle NVNT ac20 5200MHz Ant1

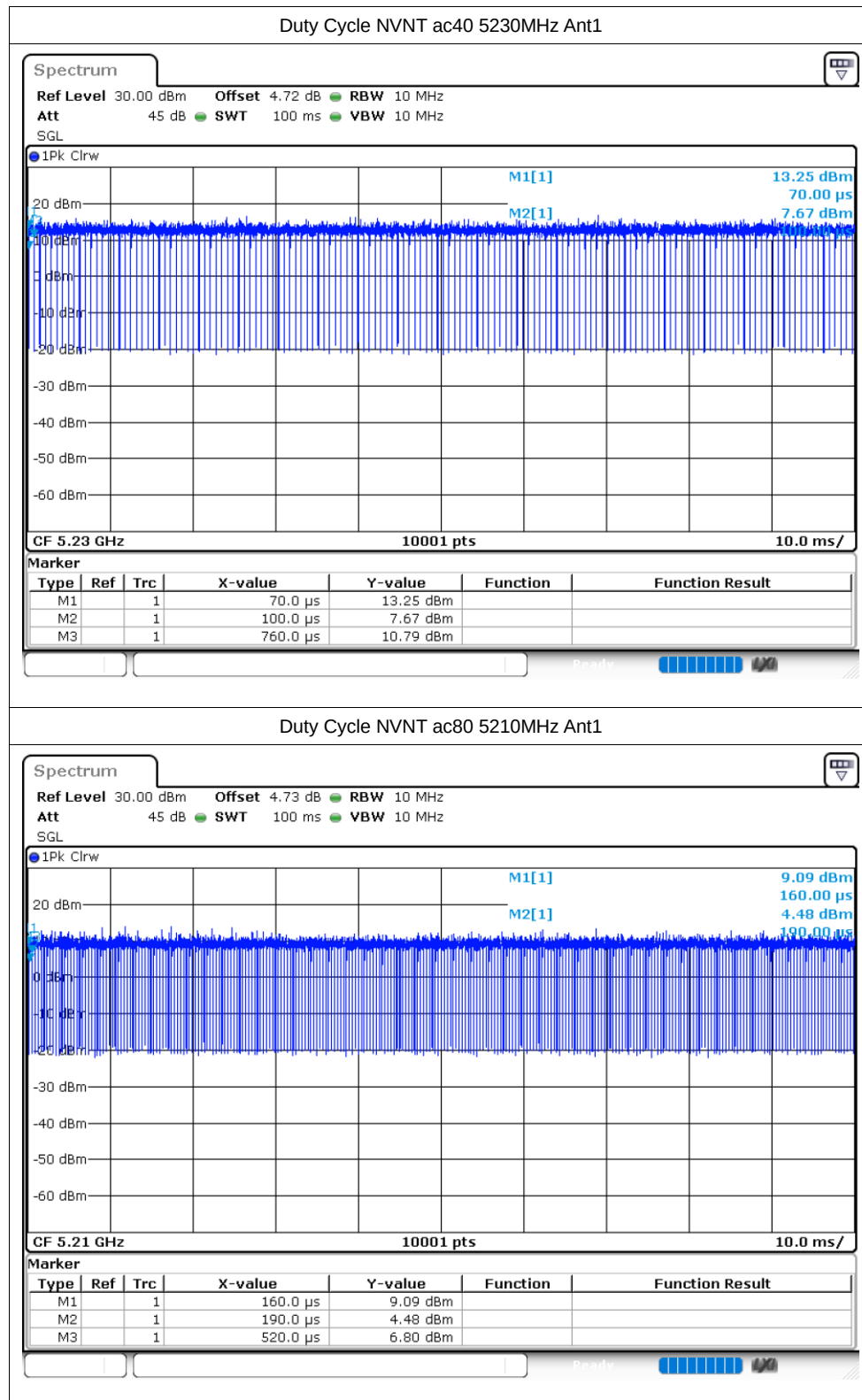


Duty Cycle NVNT ac20 5240MHz Ant1



Duty Cycle NVNT ac40 5190MHz Ant1





Maximum Conducted Output Power

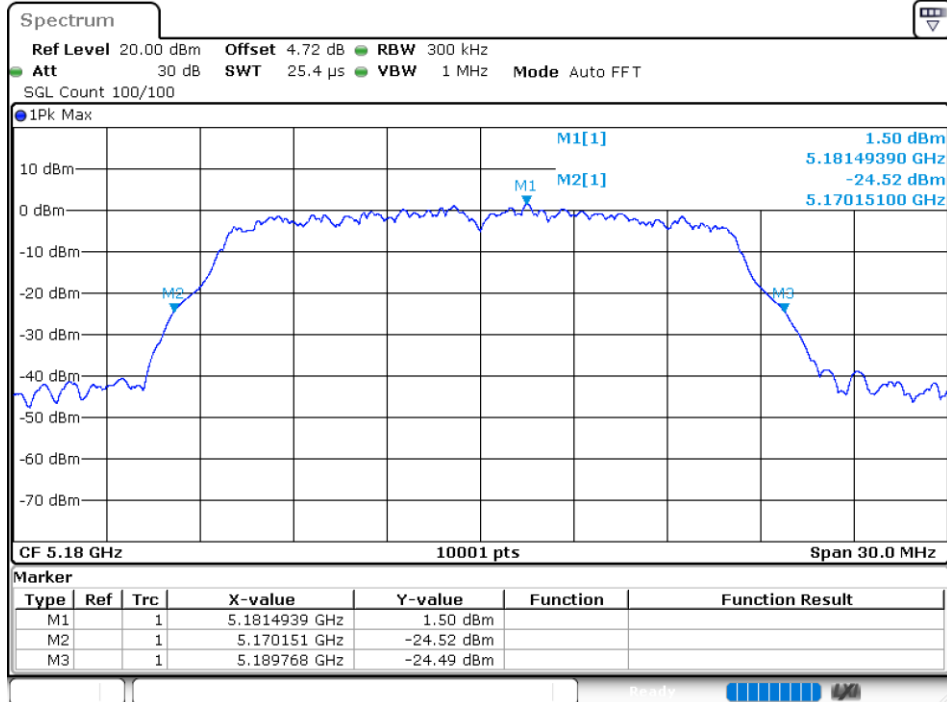
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	9.3	24	Pass
NVNT	a	5200	Ant1	9.6	24	Pass
NVNT	a	5240	Ant1	9.32	24	Pass
NVNT	n20	5180	Ant1	9.37	24	Pass
NVNT	n20	5200	Ant1	9.61	24	Pass
NVNT	n20	5240	Ant1	9.23	24	Pass
NVNT	n40	5190	Ant1	9.44	24	Pass
NVNT	n40	5230	Ant1	9.74	24	Pass
NVNT	ac20	5180	Ant1	9.42	24	Pass
NVNT	ac20	5200	Ant1	9.41	24	Pass
NVNT	ac20	5240	Ant1	9.28	24	Pass
NVNT	ac40	5190	Ant1	9.33	24	Pass
NVNT	ac40	5230	Ant1	9.42	24	Pass
NVNT	ac80	5210	Ant1	9.48	24	Pass

-26dB Bandwidth

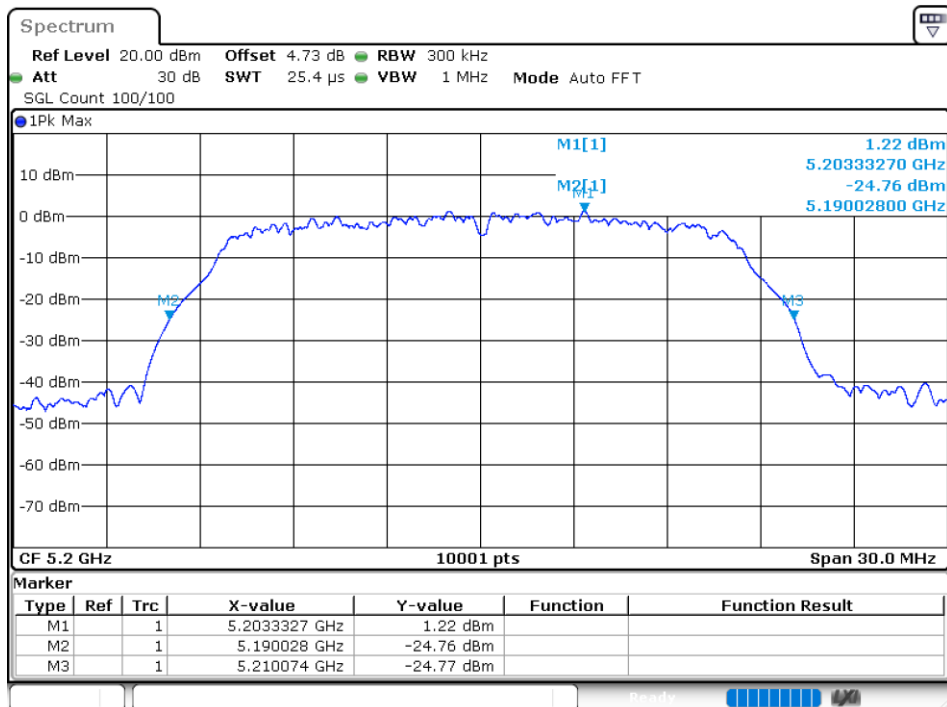
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	19.617
NVNT	a	5200	Ant1	20.046
NVNT	a	5240	Ant1	19.557
NVNT	n20	5180	Ant1	20.256
NVNT	n20	5200	Ant1	20.46
NVNT	n20	5240	Ant1	20.208
NVNT	n40	5190	Ant1	40.98
NVNT	n40	5230	Ant1	40.734
NVNT	ac20	5180	Ant1	20.304
NVNT	ac20	5200	Ant1	19.914
NVNT	ac20	5240	Ant1	20.358
NVNT	ac40	5190	Ant1	40.608
NVNT	ac40	5230	Ant1	40.974
NVNT	ac80	5210	Ant1	81.024

Test Graphs

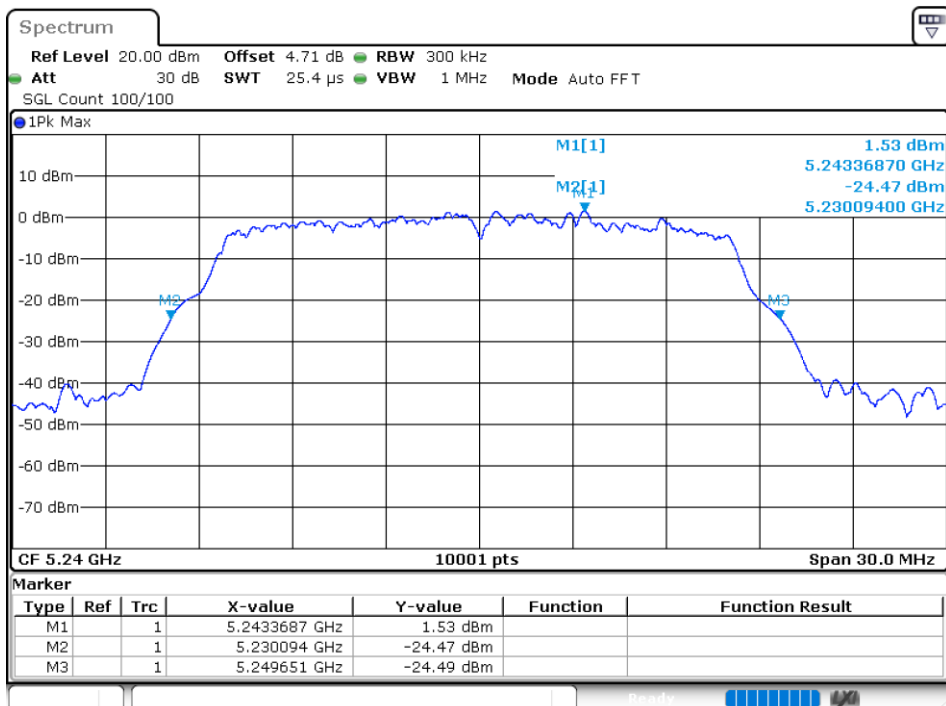
-26dB Bandwidth NVNT a 5180MHz Ant1



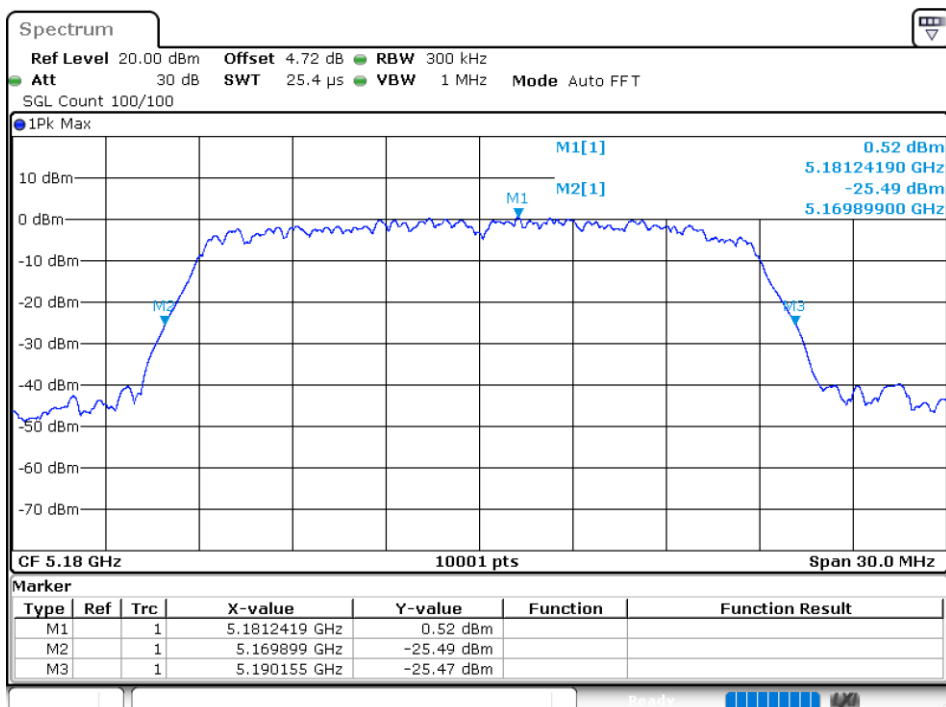
-26dB Bandwidth NVNT a 5200MHz Ant1

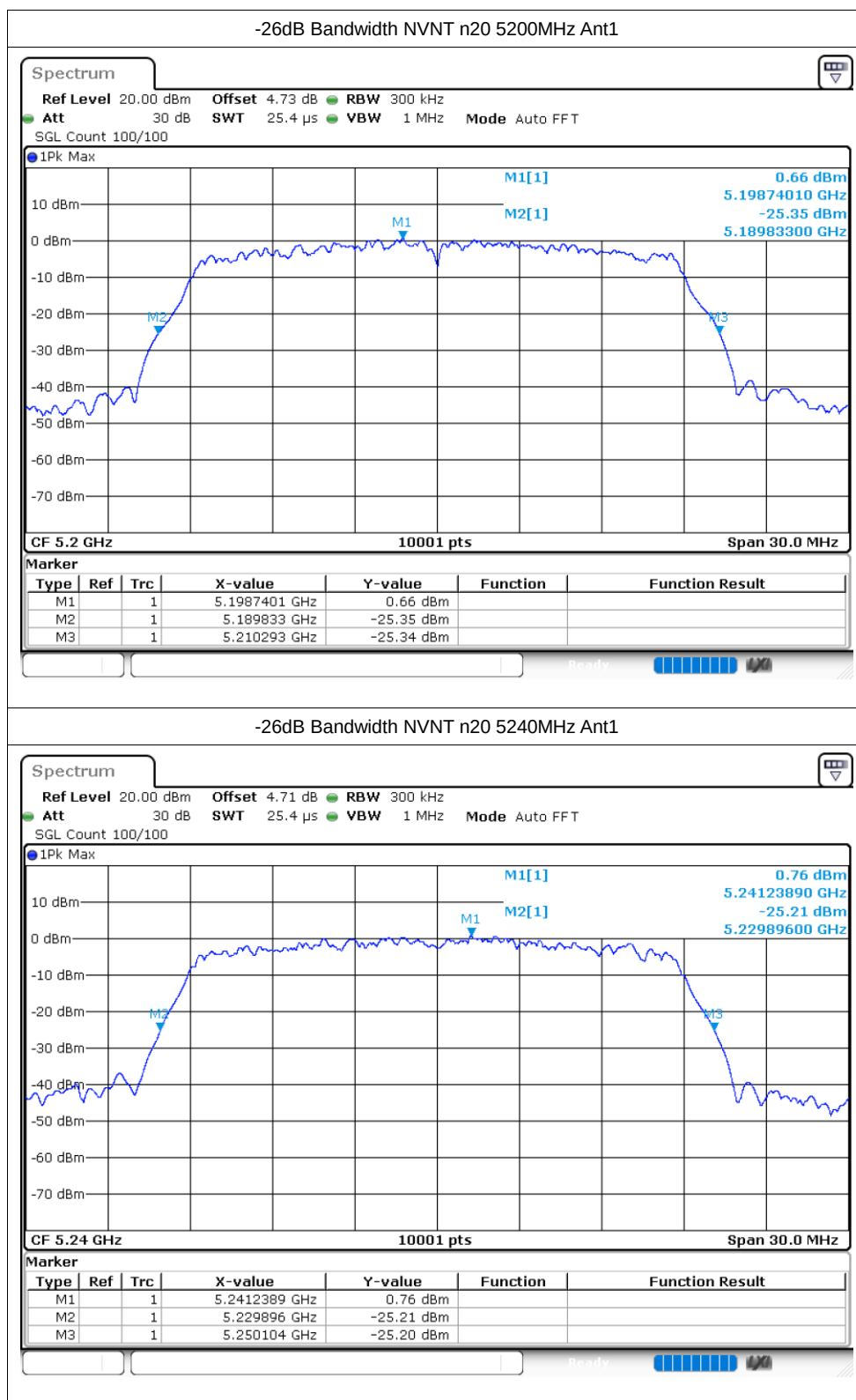


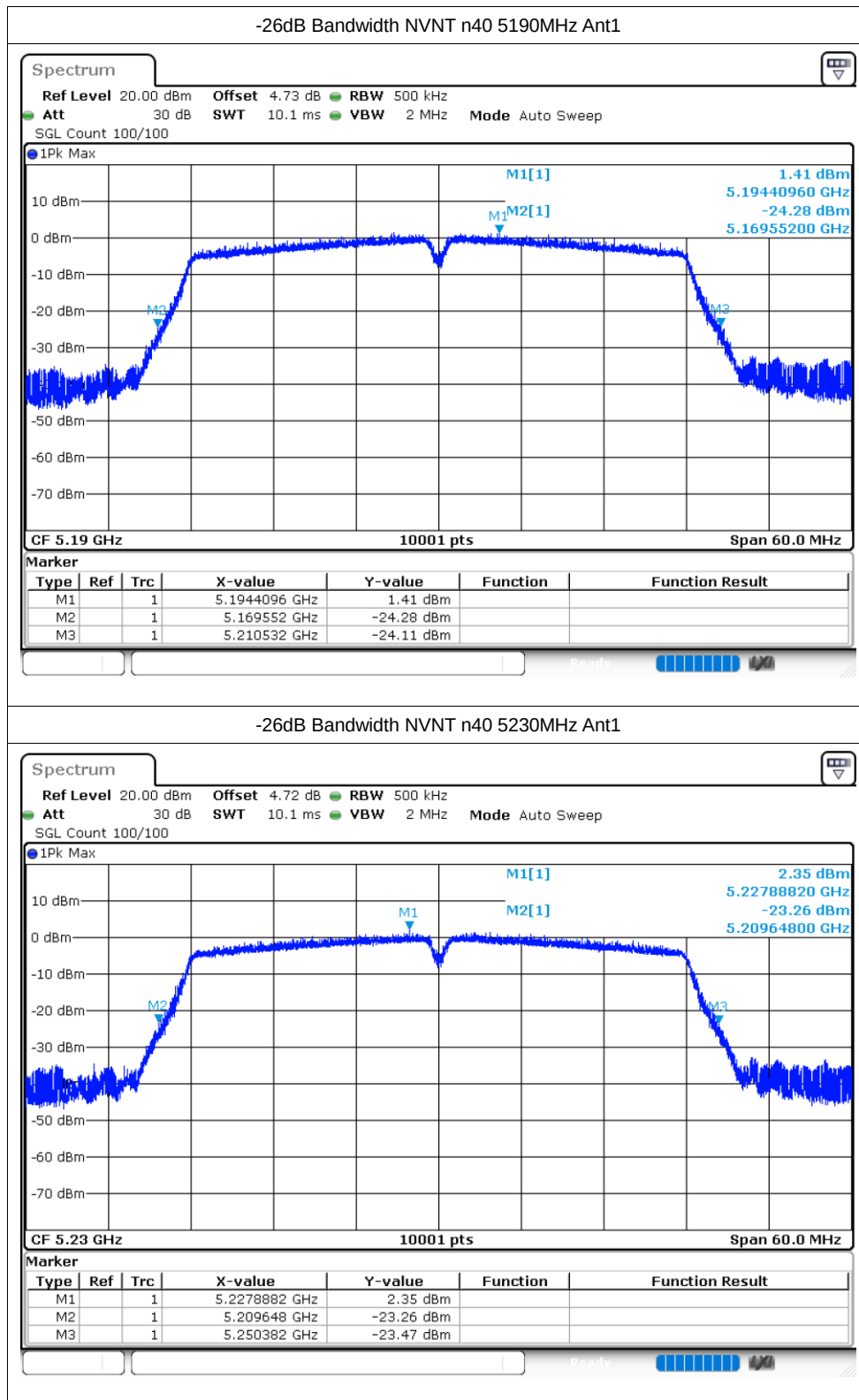
-26dB Bandwidth NVNT a 5240MHz Ant1



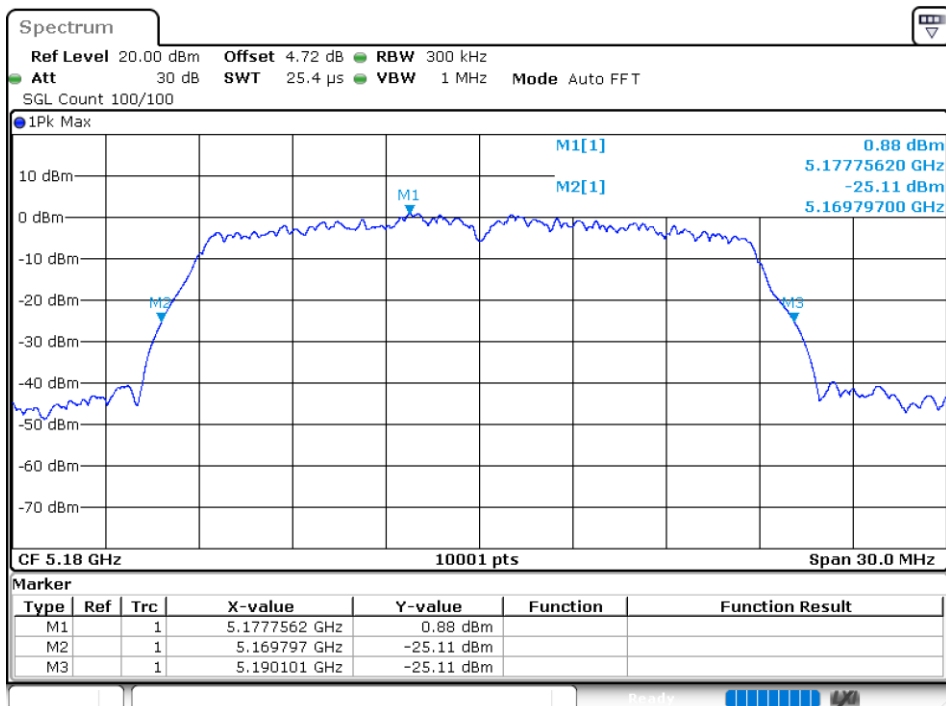
-26dB Bandwidth NVNT n20 5180MHz Ant1



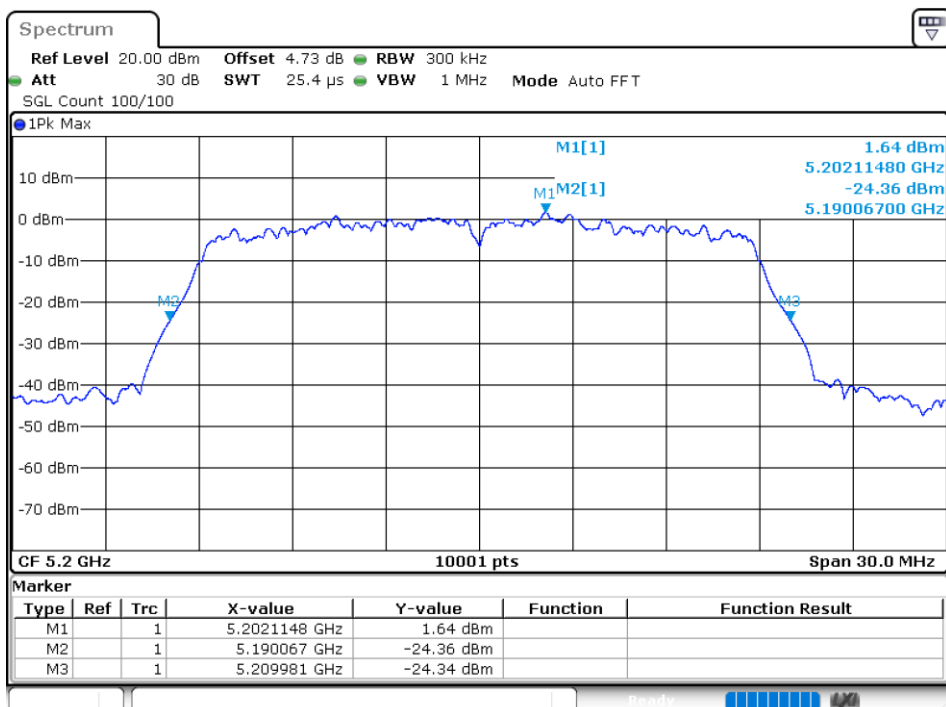




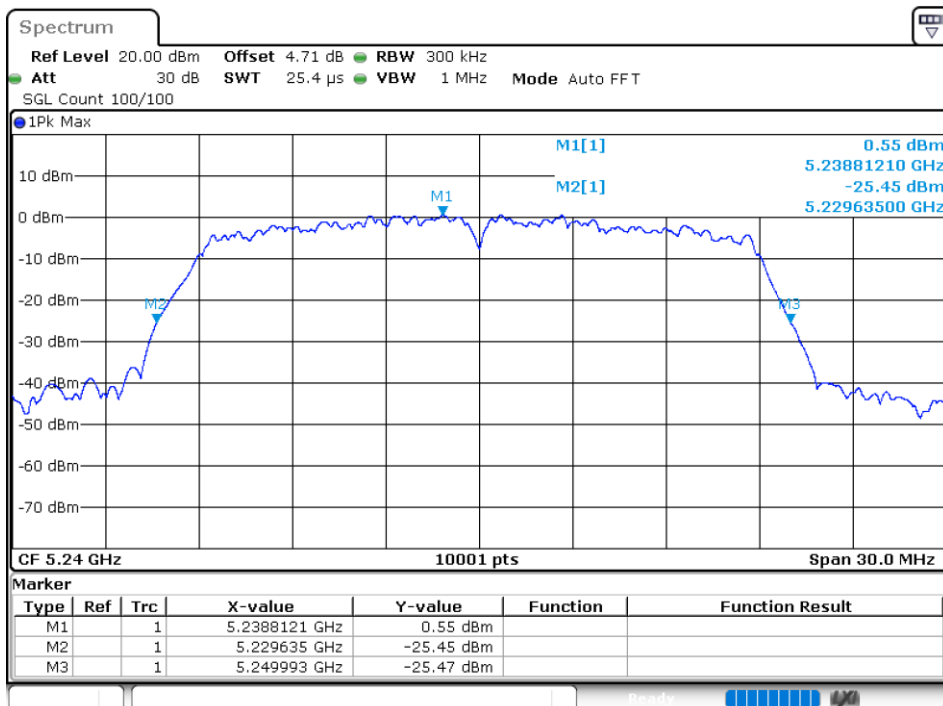
-26dB Bandwidth NVNT ac20 5180MHz Ant1



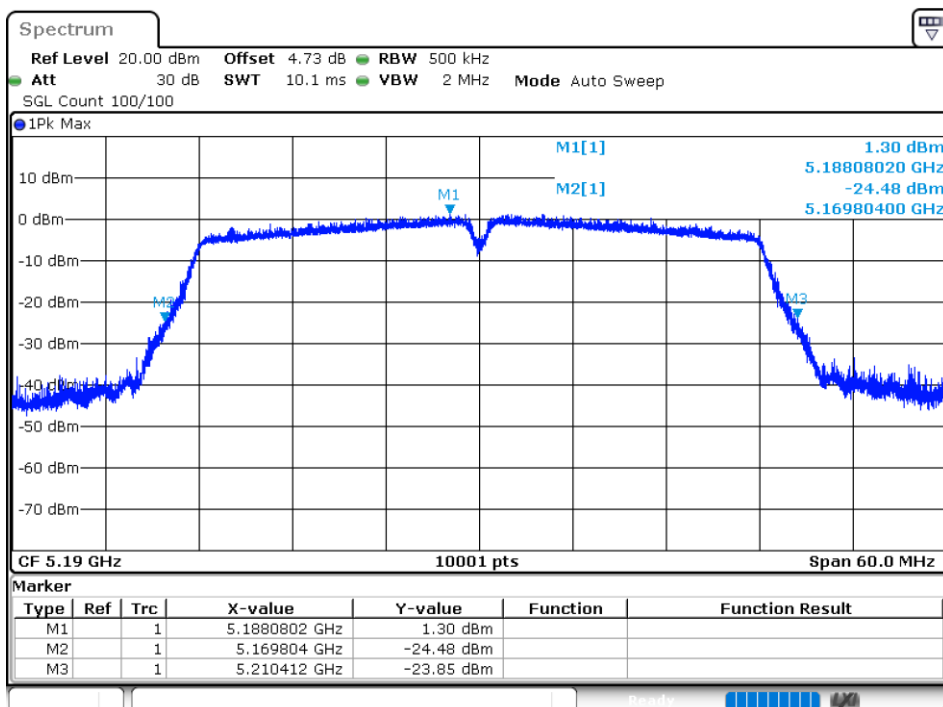
-26dB Bandwidth NVNT ac20 5200MHz Ant1

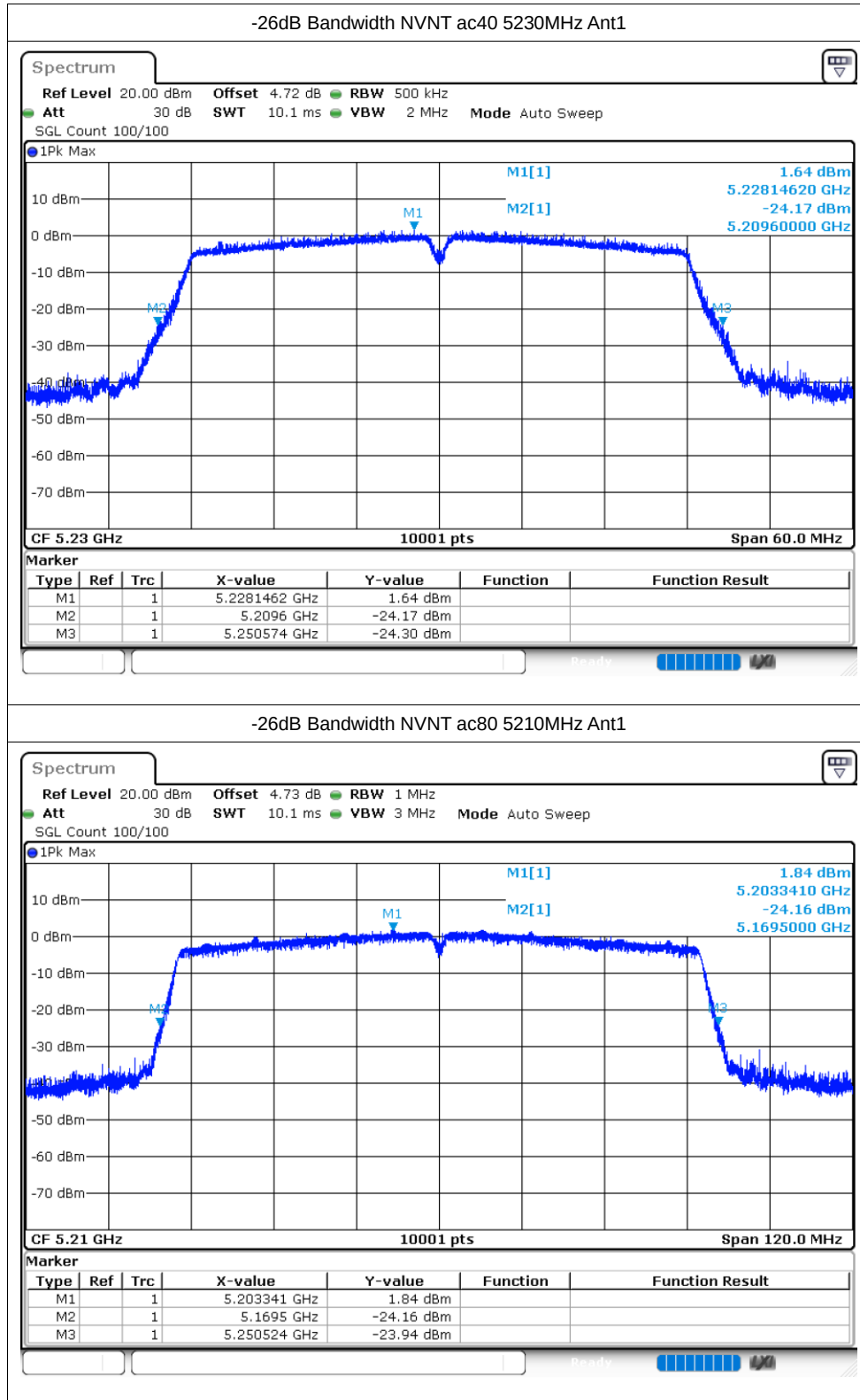


-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



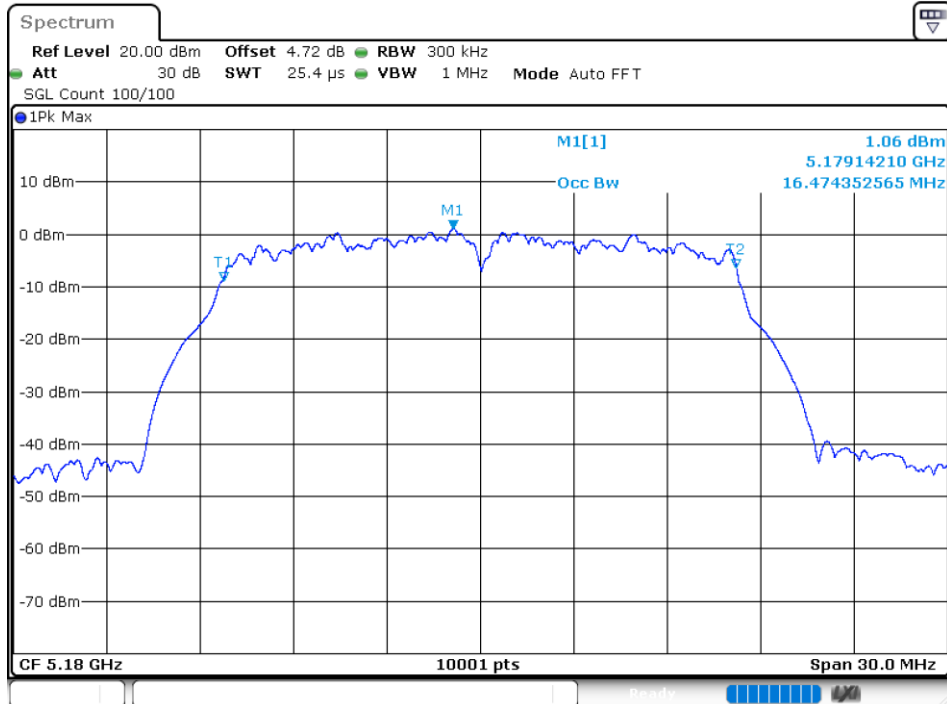


Occupied Channel Bandwidth

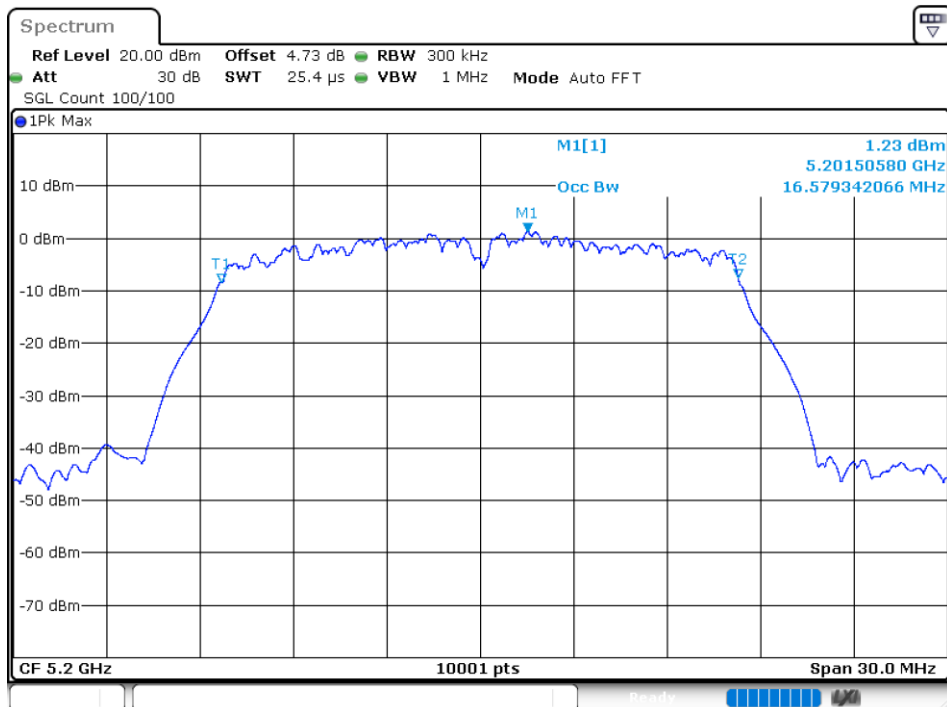
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.474
NVNT	a	5200	Ant1	16.579
NVNT	a	5240	Ant1	16.609
NVNT	n20	5180	Ant1	17.602
NVNT	n20	5200	Ant1	17.518
NVNT	n20	5240	Ant1	17.554
NVNT	n40	5190	Ant1	36.008
NVNT	n40	5230	Ant1	36.044
NVNT	ac20	5180	Ant1	17.635
NVNT	ac20	5200	Ant1	17.701
NVNT	ac20	5240	Ant1	17.608
NVNT	ac40	5190	Ant1	35.984
NVNT	ac40	5230	Ant1	36.038
NVNT	ac80	5210	Ant1	75.076

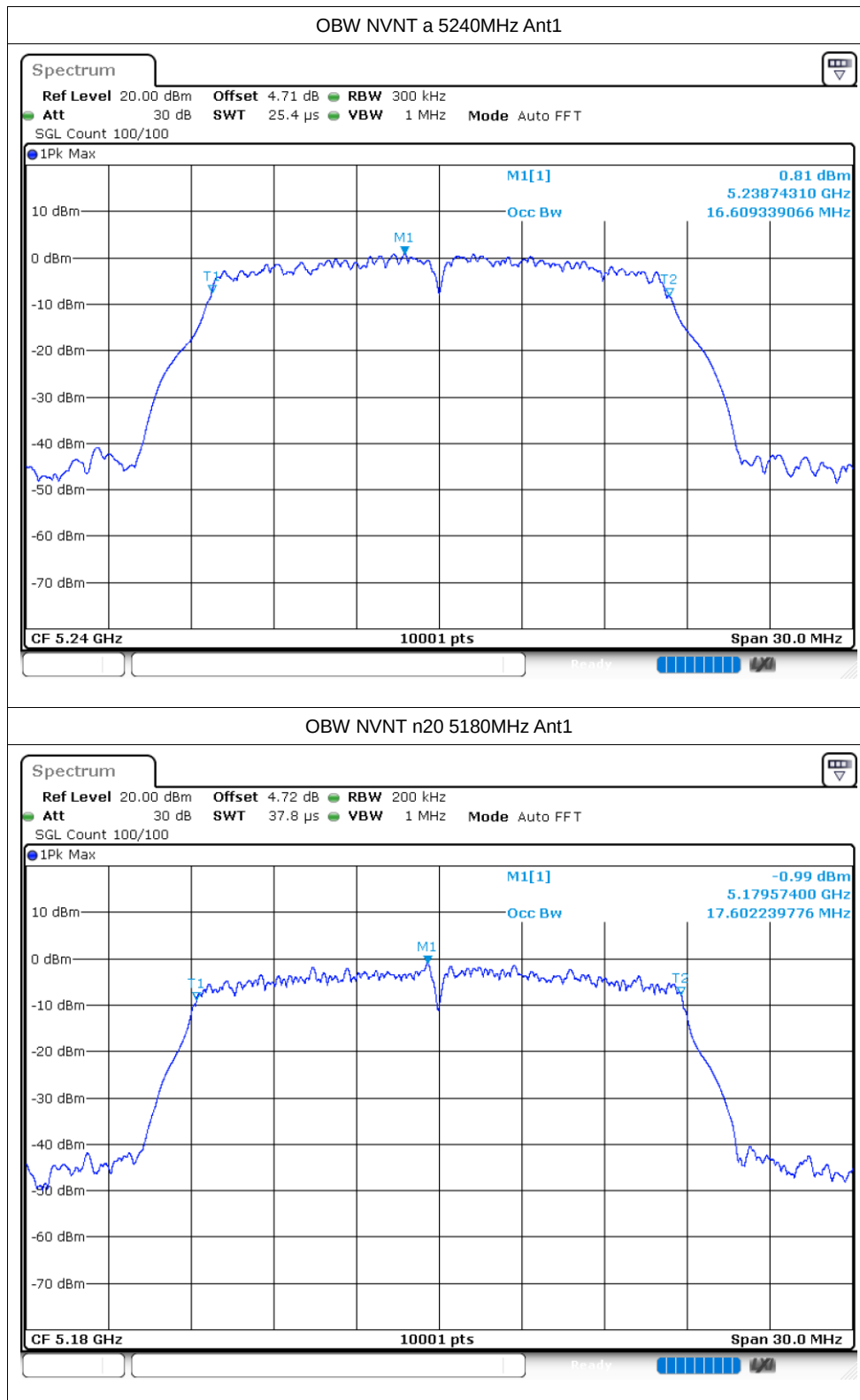
Test Graphs

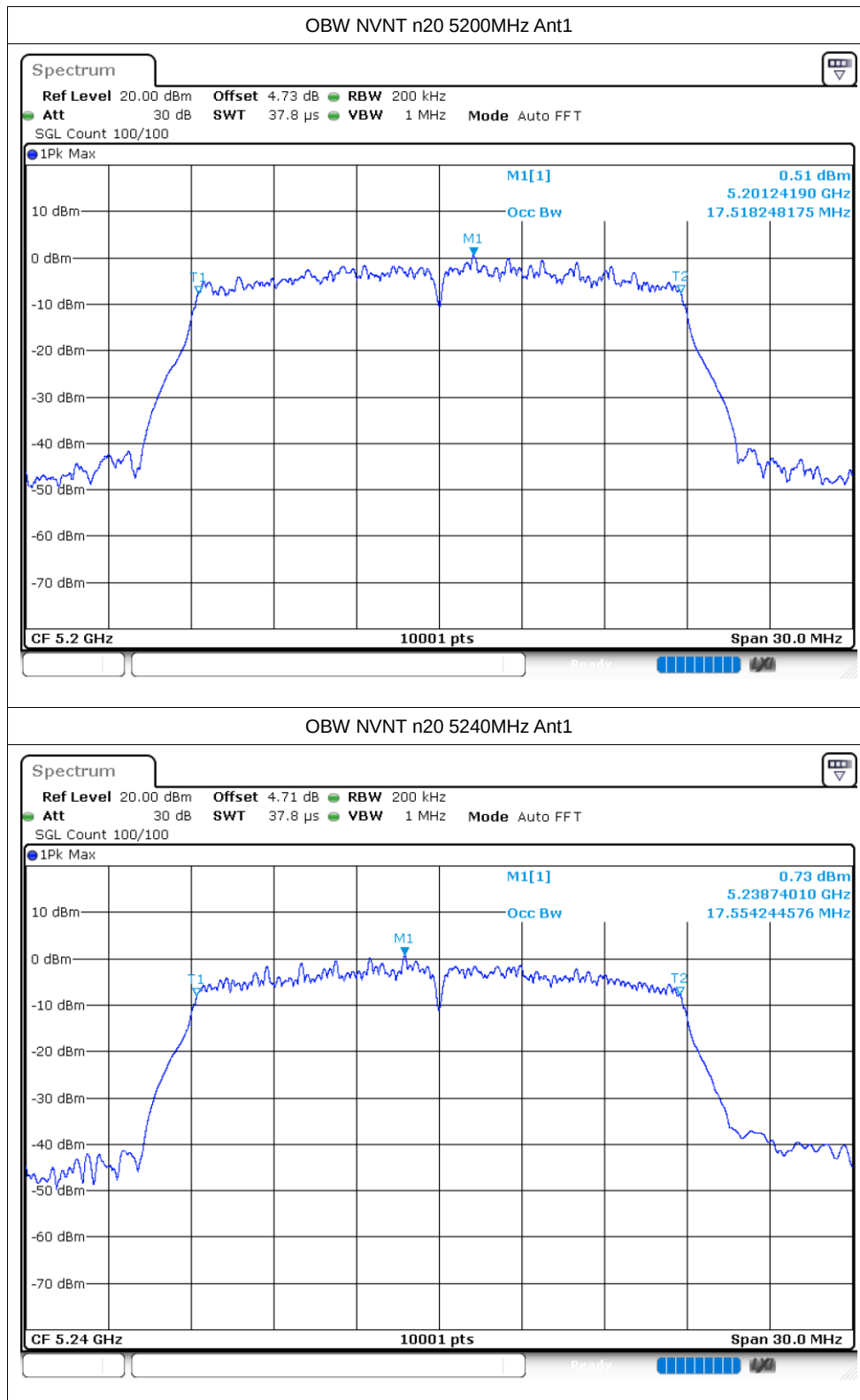
OBW NVNT a 5180MHz Ant1

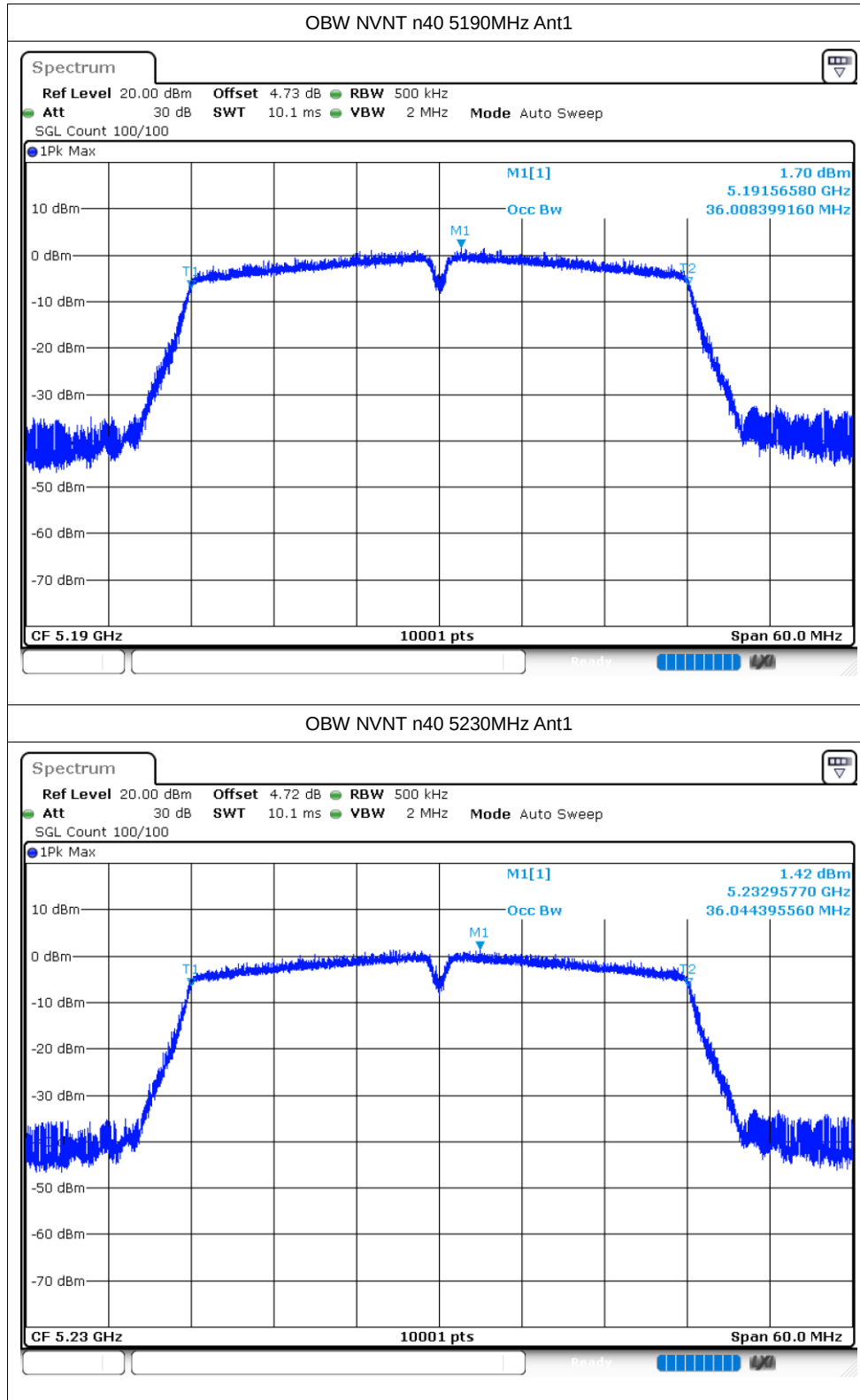


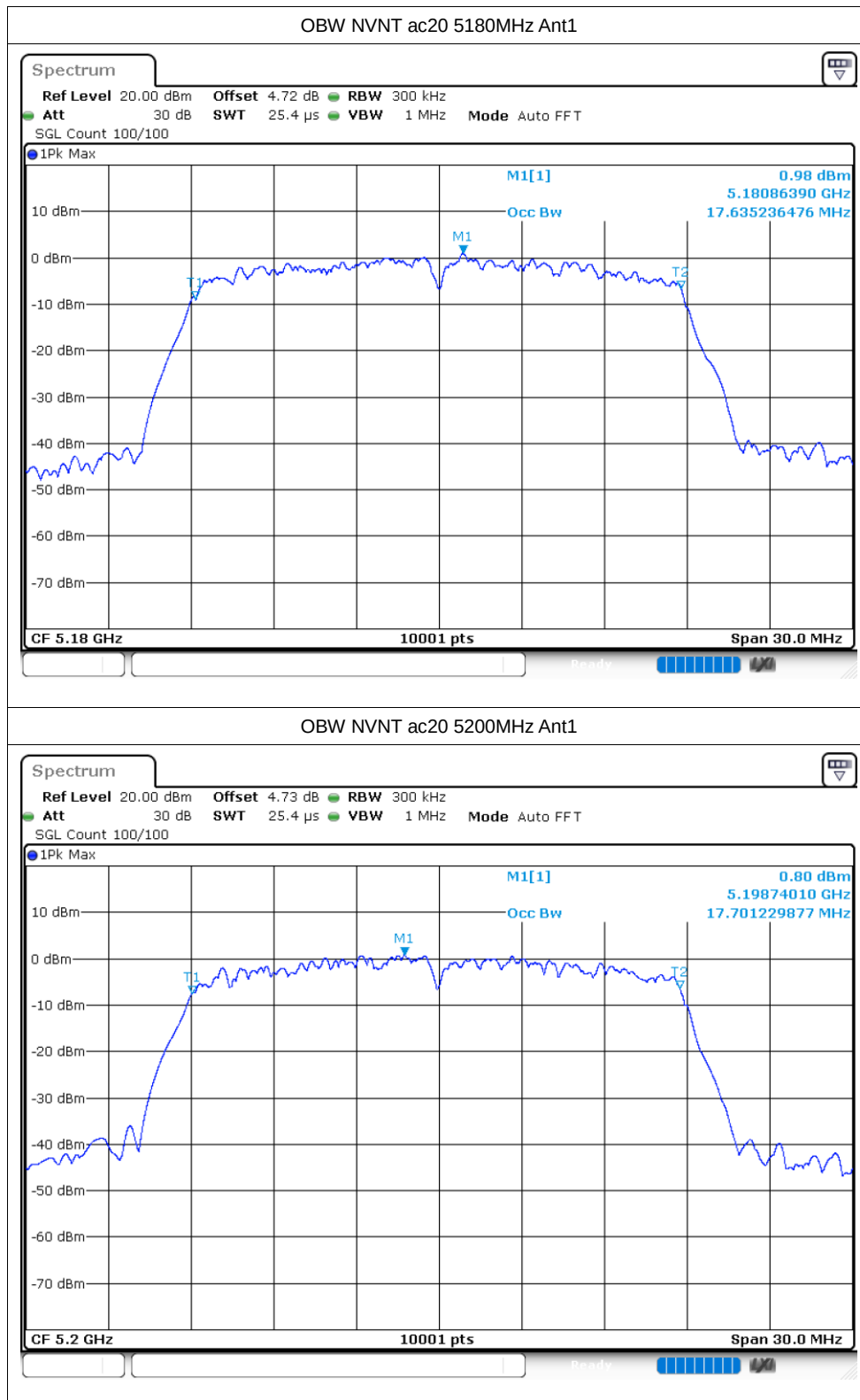
OBW NVNT a 5200MHz Ant1

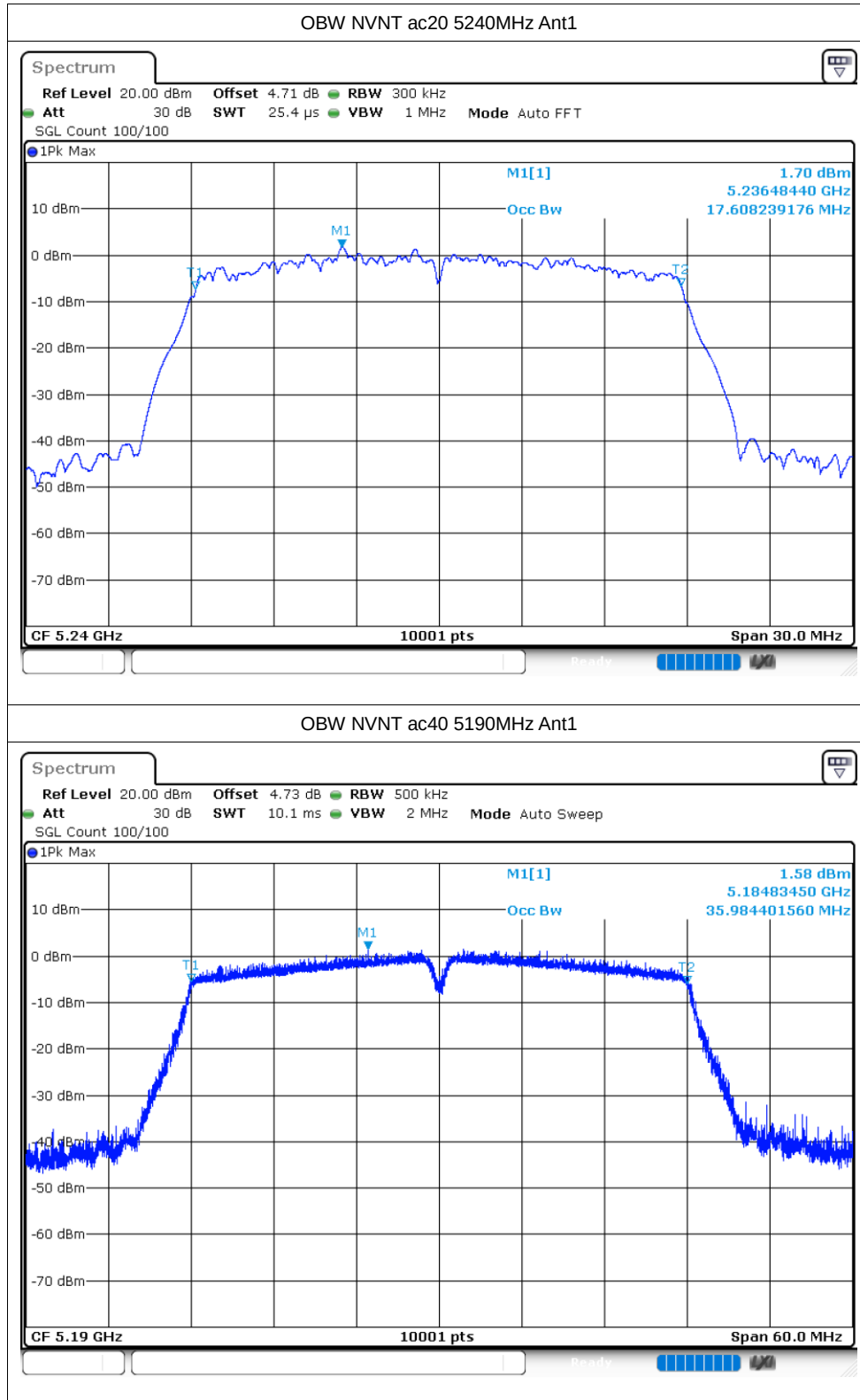


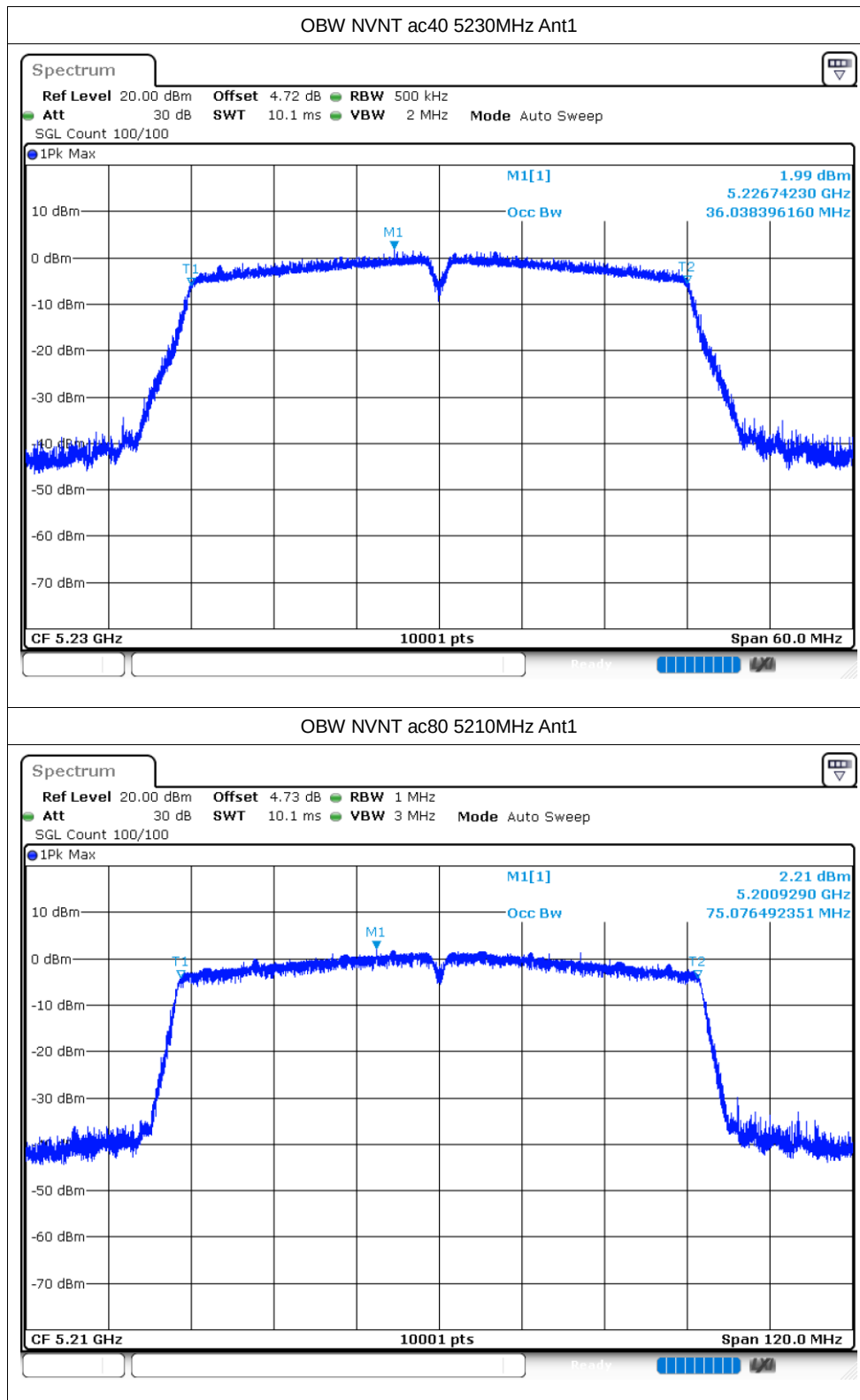










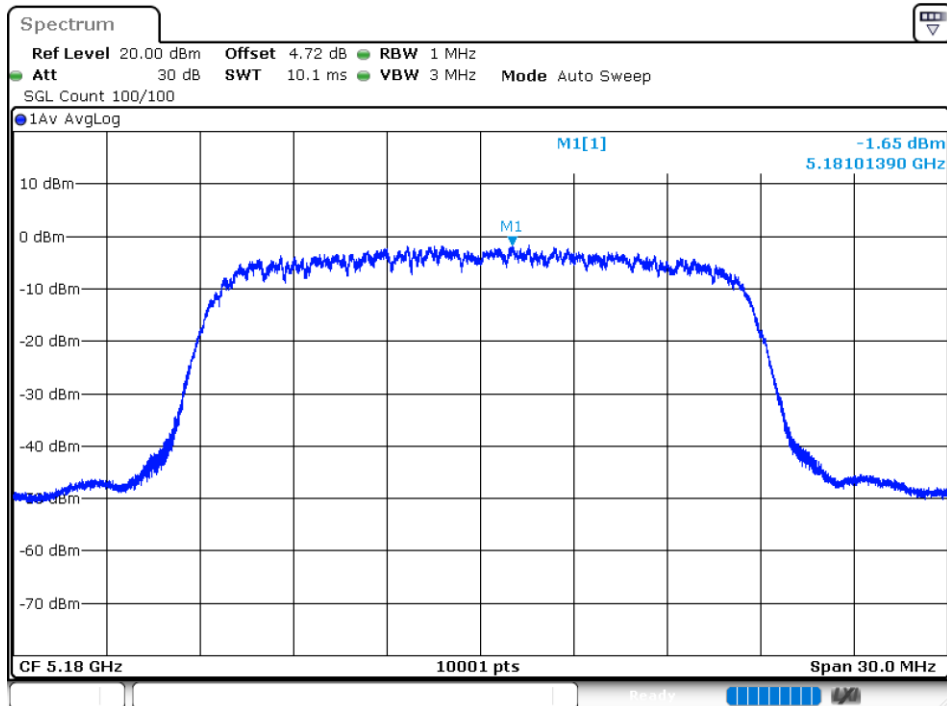


Maximum Power Spectral Density Level

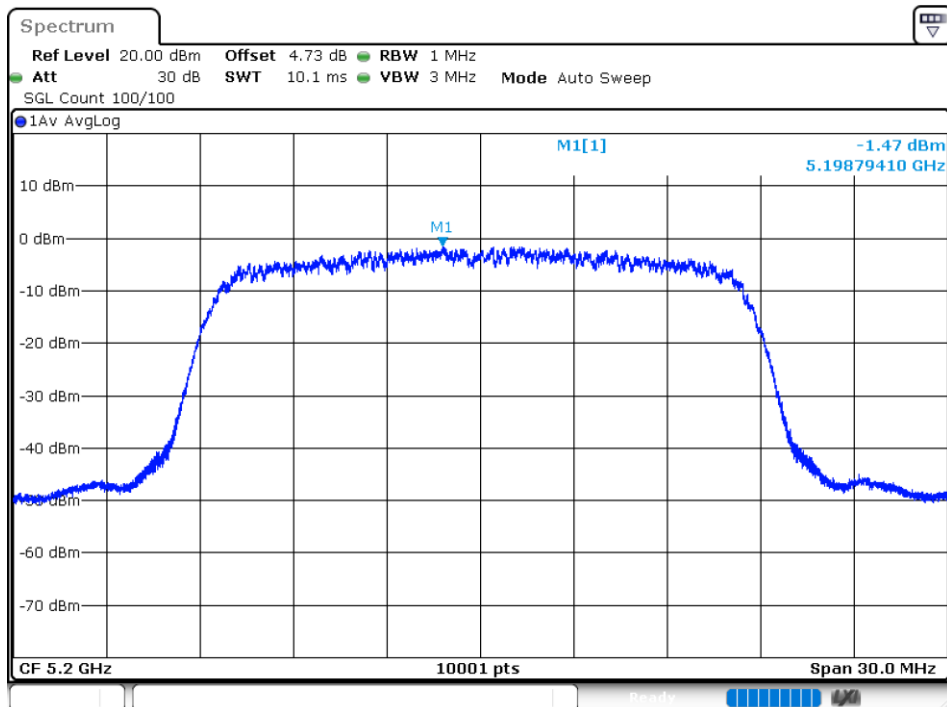
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-1.65	0.08	-1.57	11	Pass
NVNT	a	5200	Ant1	-1.47	0.08	-1.39	11	Pass
NVNT	a	5240	Ant1	-1.07	0.08	-0.99	11	Pass
NVNT	n20	5180	Ant1	-1.64	0.09	-1.55	11	Pass
NVNT	n20	5200	Ant1	-1.62	0.09	-1.53	11	Pass
NVNT	n20	5240	Ant1	-1.66	0.09	-1.57	11	Pass
NVNT	n40	5190	Ant1	-5.55	0.16	-5.39	11	Pass
NVNT	n40	5230	Ant1	-5.05	0.16	-4.89	11	Pass
NVNT	ac20	5180	Ant1	-2.09	0.08	-2.01	11	Pass
NVNT	ac20	5200	Ant1	-1.35	0.08	-1.27	11	Pass
NVNT	ac20	5240	Ant1	-1.66	0.08	-1.58	11	Pass
NVNT	ac40	5190	Ant1	-4.86	0.16	-4.7	11	Pass
NVNT	ac40	5230	Ant1	-4.48	0.16	-4.32	11	Pass
NVNT	ac80	5210	Ant1	-10.56	0.31	-10.25	11	Pass

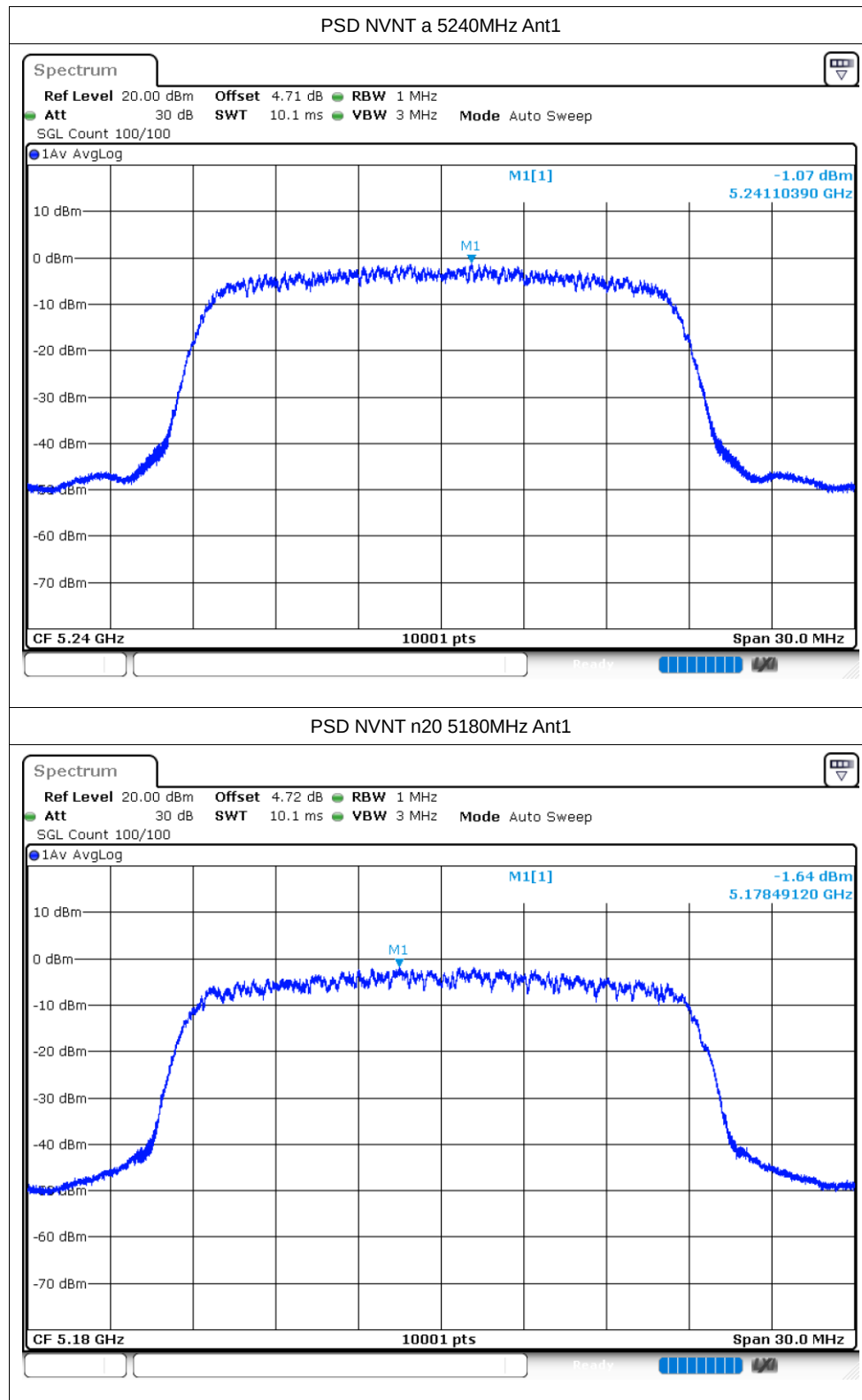
Test Graphs

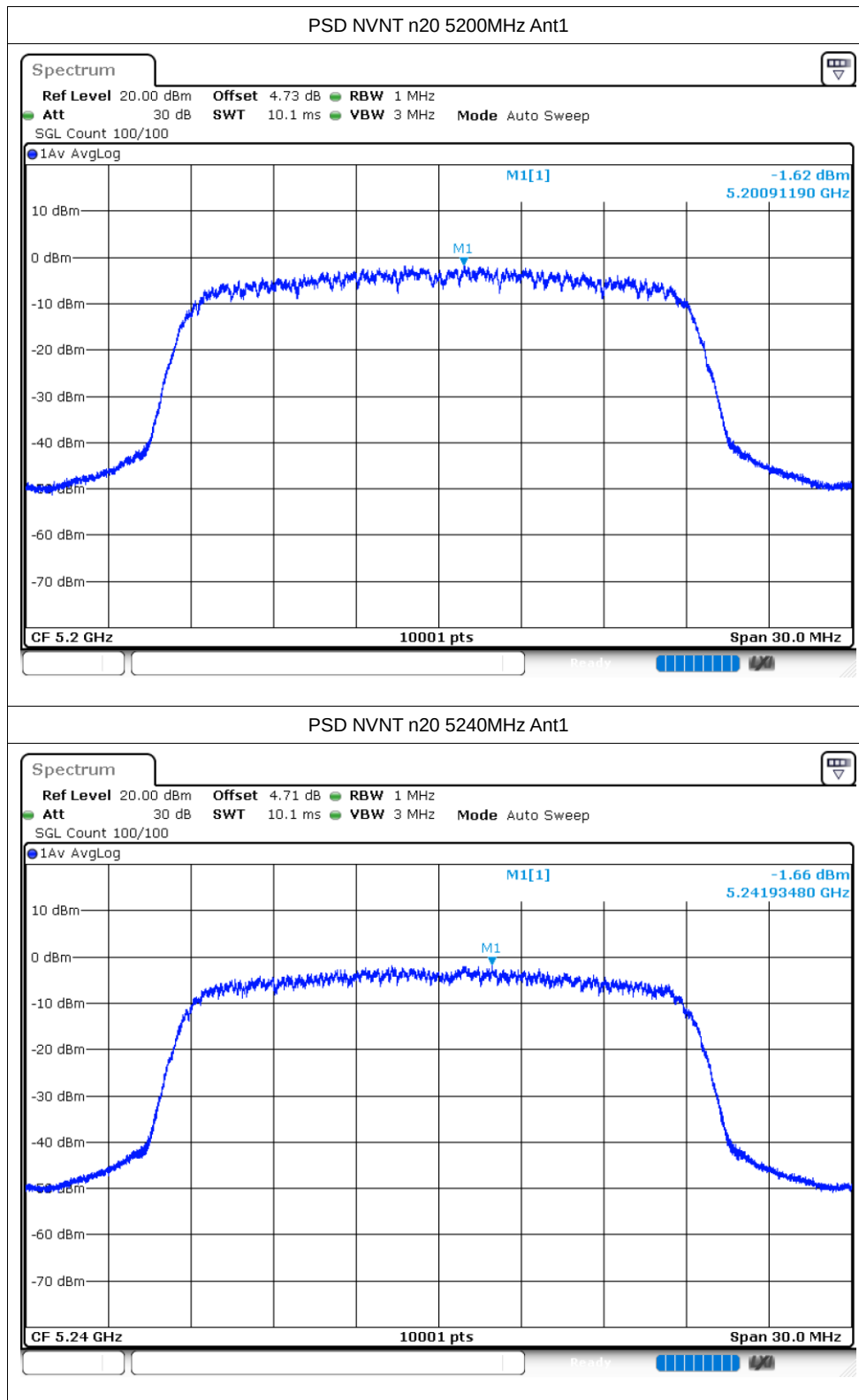
PSD NVNT a 5180MHz Ant1

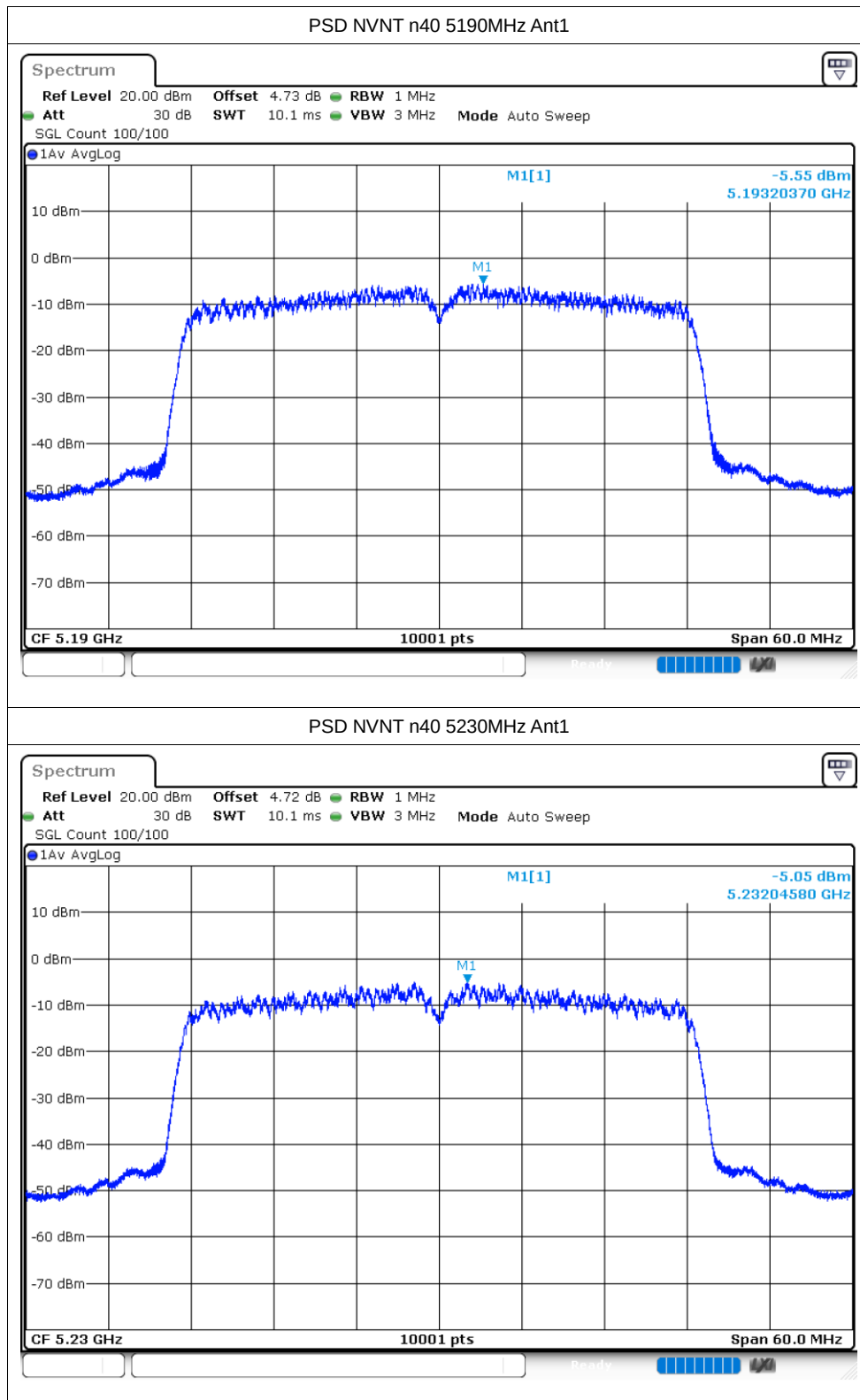


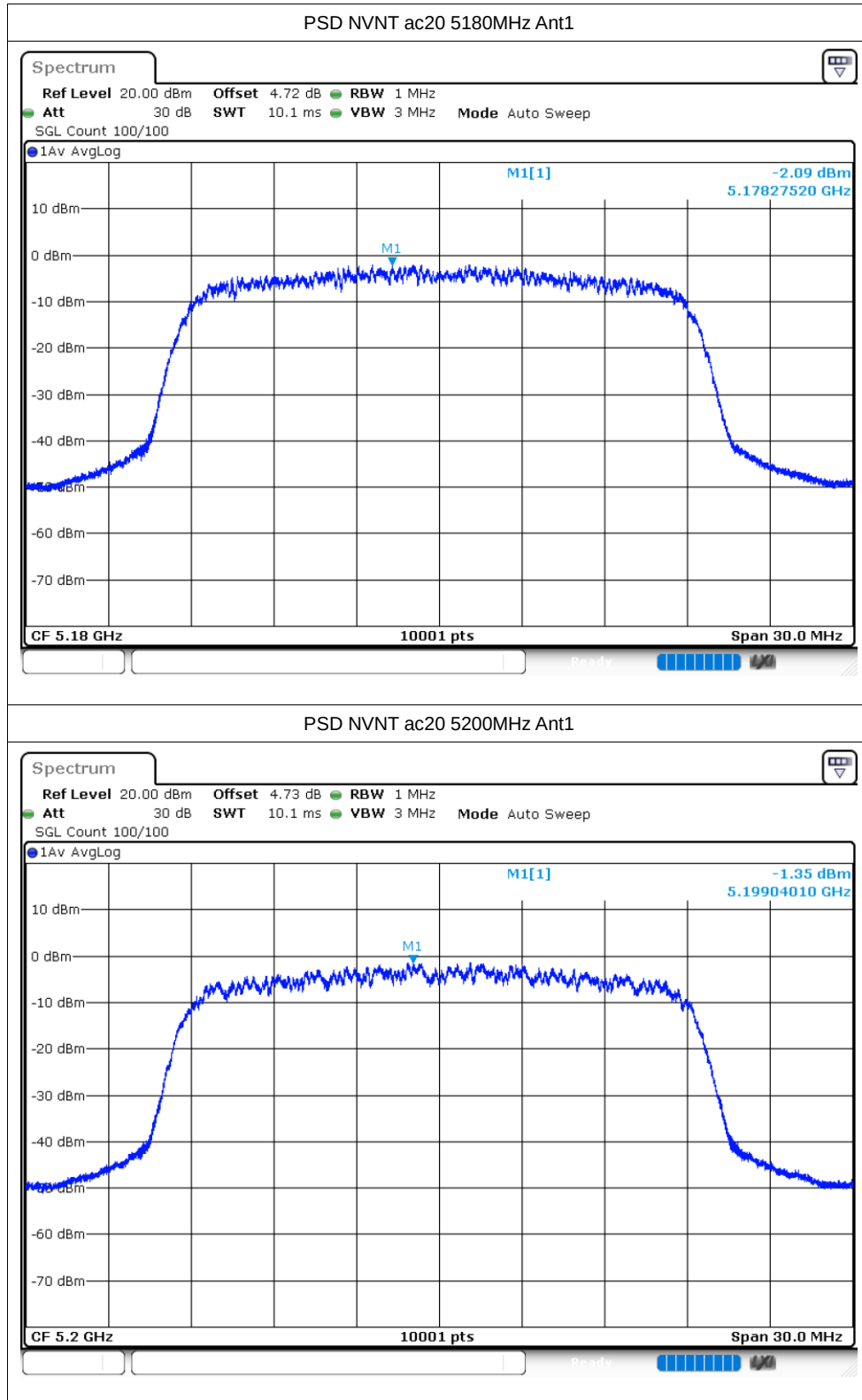
PSD NVNT a 5200MHz Ant1

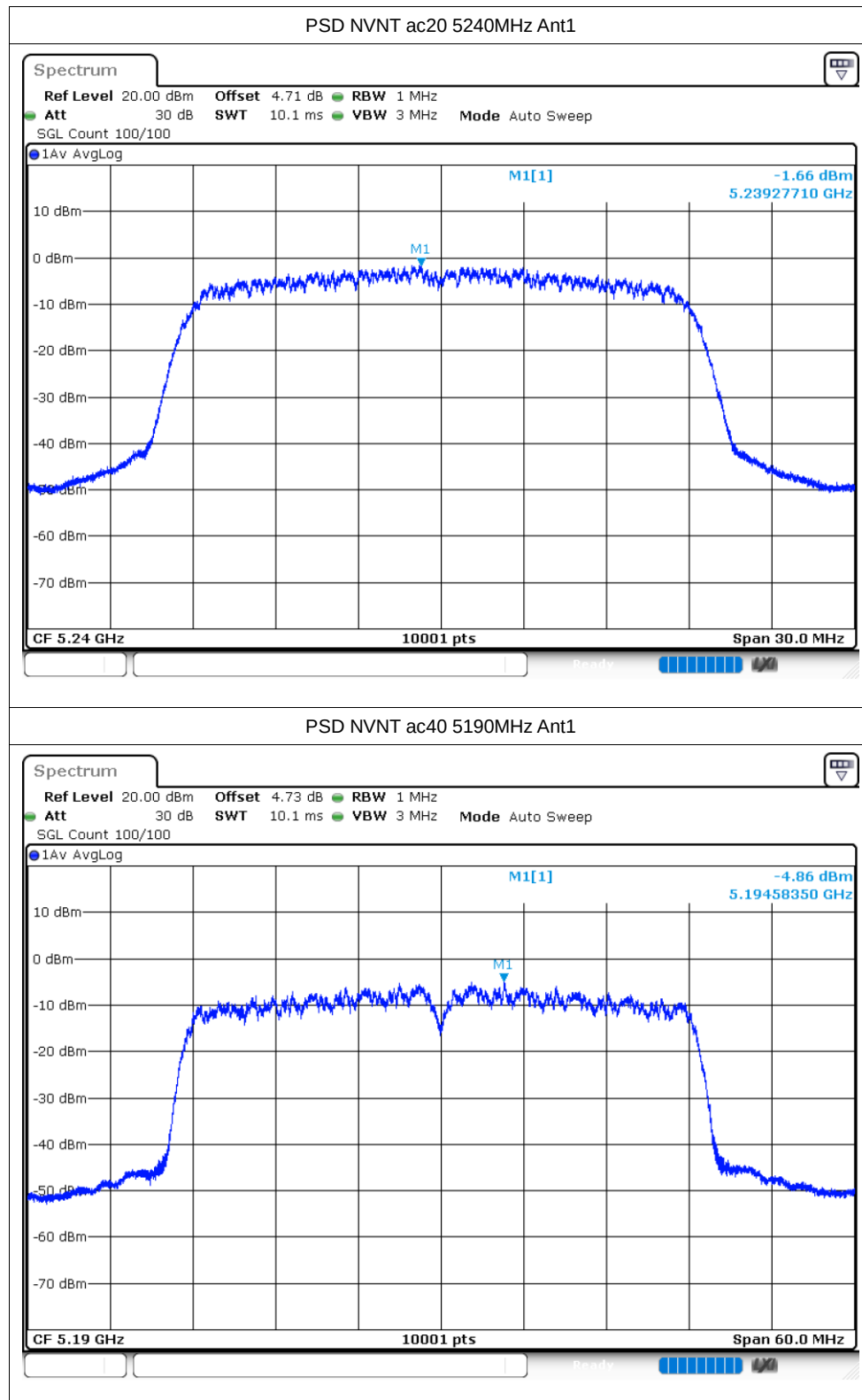


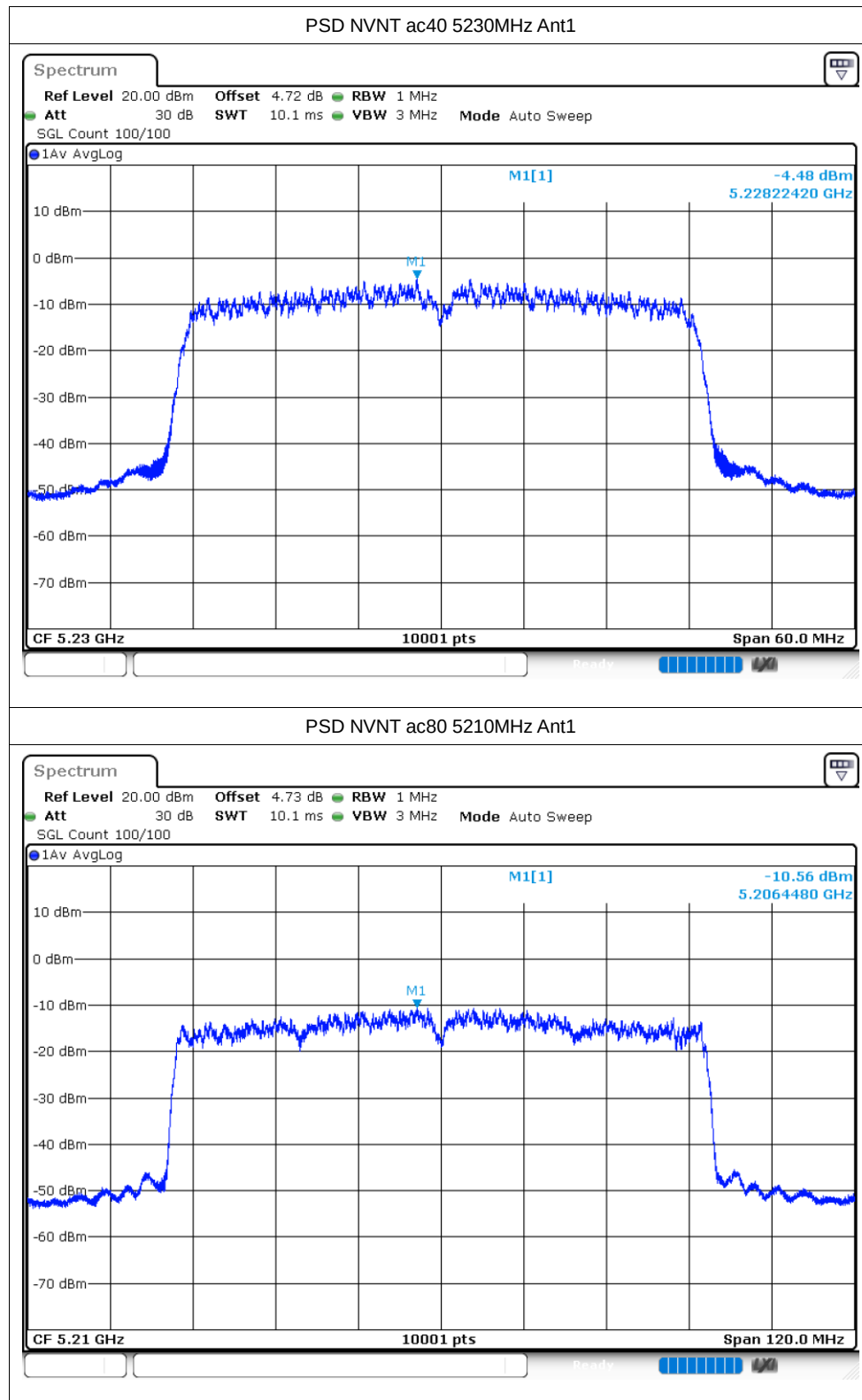












5.3G WIFI

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	98.2	0.08	0.72
NVNT	a	5280	Ant1	98.2	0.08	0.72
NVNT	a	5320	Ant1	98.2	0.08	0.72
NVNT	n20	5260	Ant1	98.06	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	96.34	0.16	1.54
NVNT	n40	5310	Ant1	96.35	0.16	1.54
NVNT	ac20	5260	Ant1	98.07	0.08	0.76
NVNT	ac20	5280	Ant1	98.07	0.08	0.76
NVNT	ac20	5320	Ant1	98.09	0.08	0.76
NVNT	ac40	5270	Ant1	96.38	0.16	1.54
NVNT	ac40	5310	Ant1	96.35	0.16	1.54
NVNT	ac80	5290	Ant1	93.14	0.31	3.03

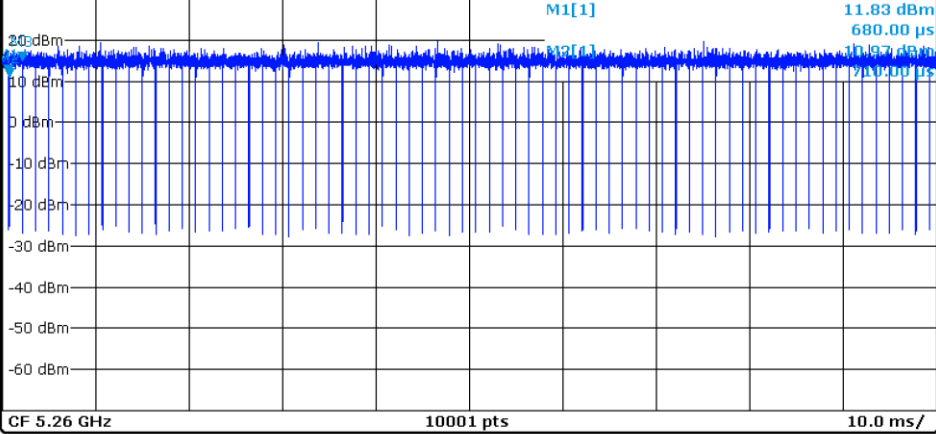
Test Graphs

Duty Cycle NVNT a 5260MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.59 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

1Pk Clrw



Marker

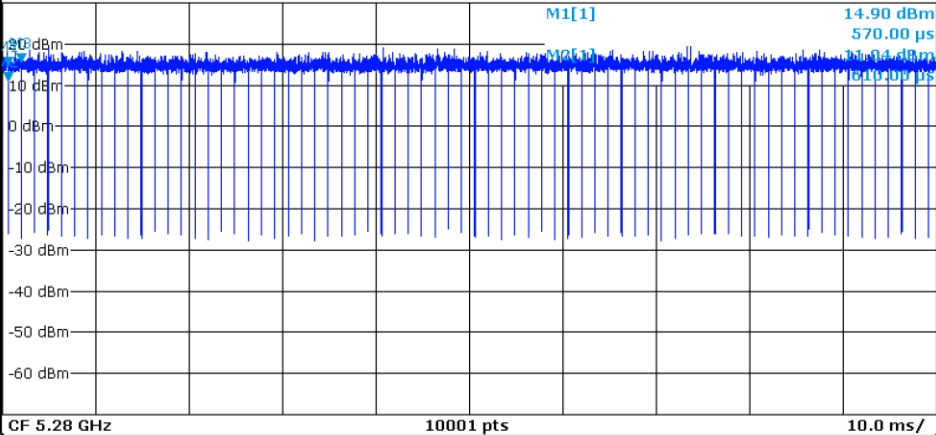
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		680.0 μs	11.83 dBm		
M2	1		710.0 μs	10.97 dBm		
M3	1		2.1 ms	14.92 dBm		

Duty Cycle NVNT a 5280MHz Ant1

Spectrum

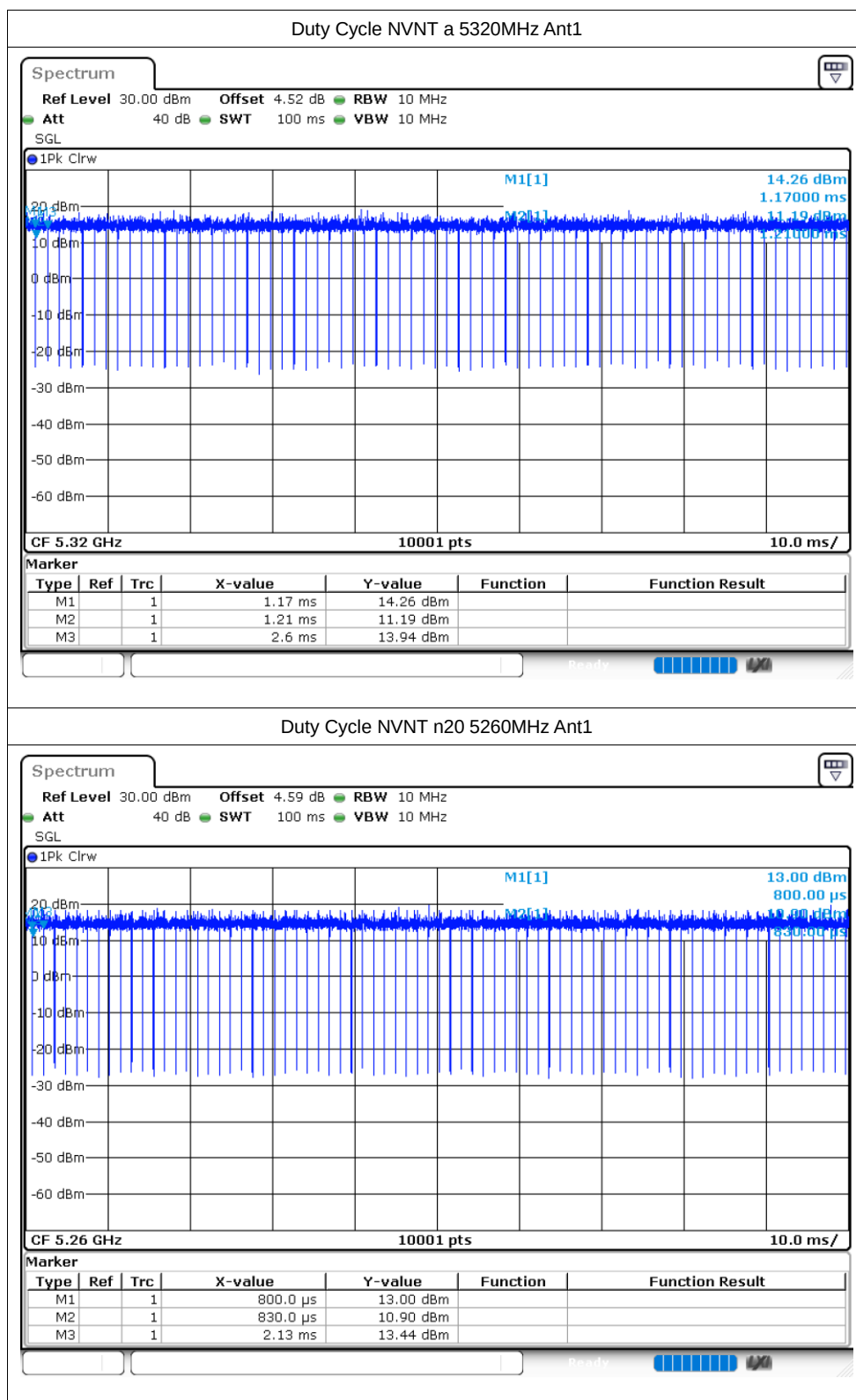
Ref Level 30.00 dBm Offset 4.56 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

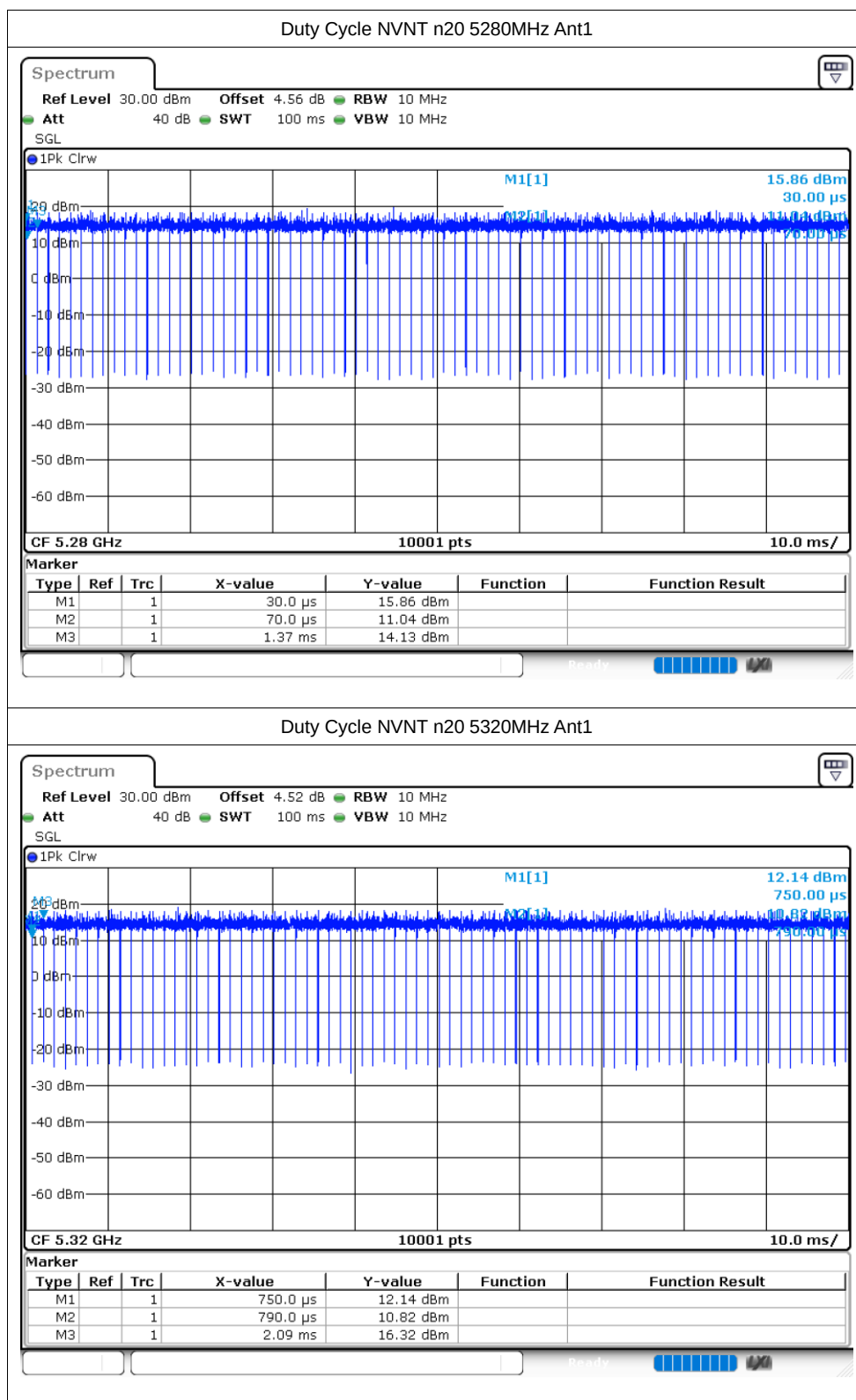
1Pk Clrw

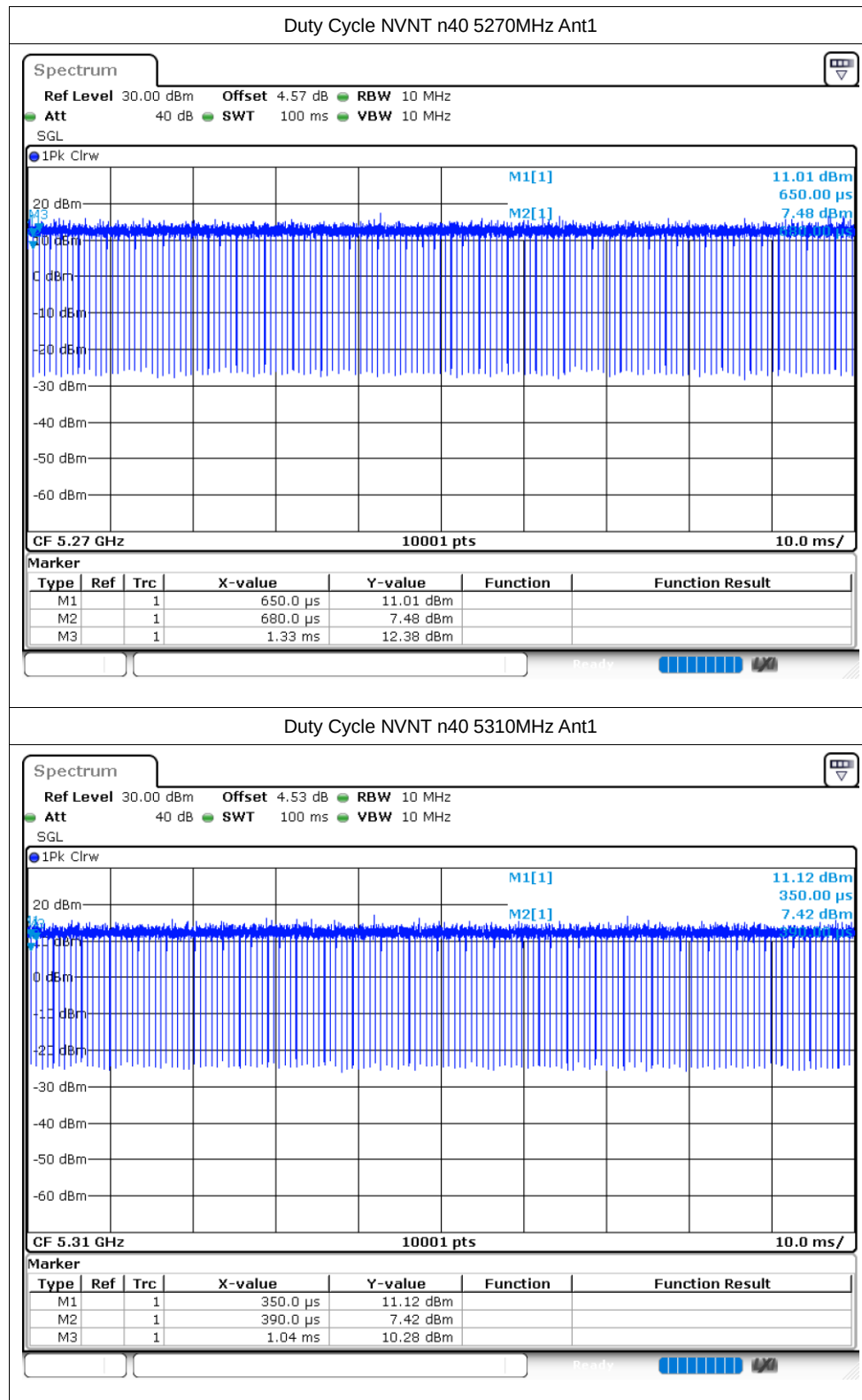


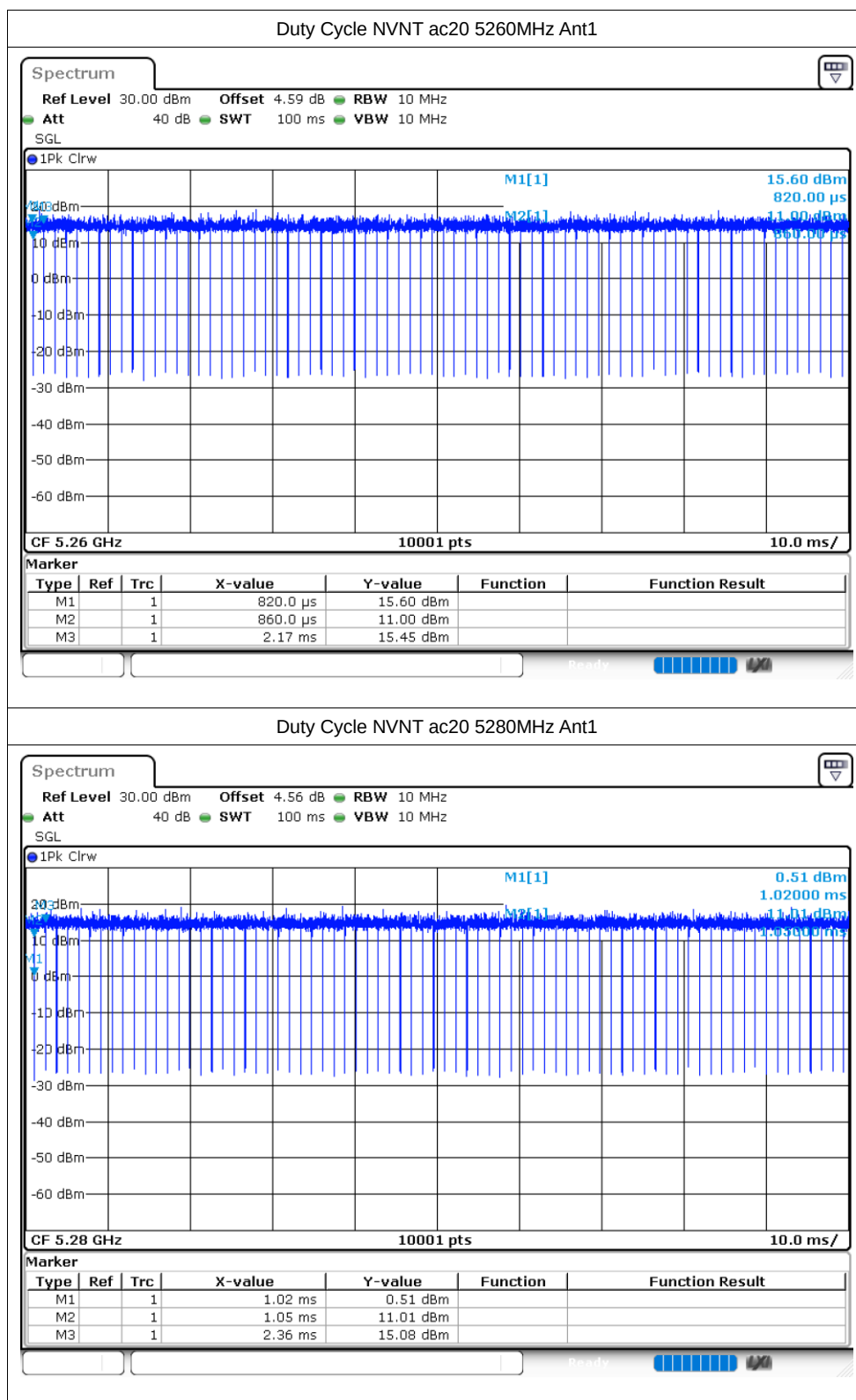
Marker

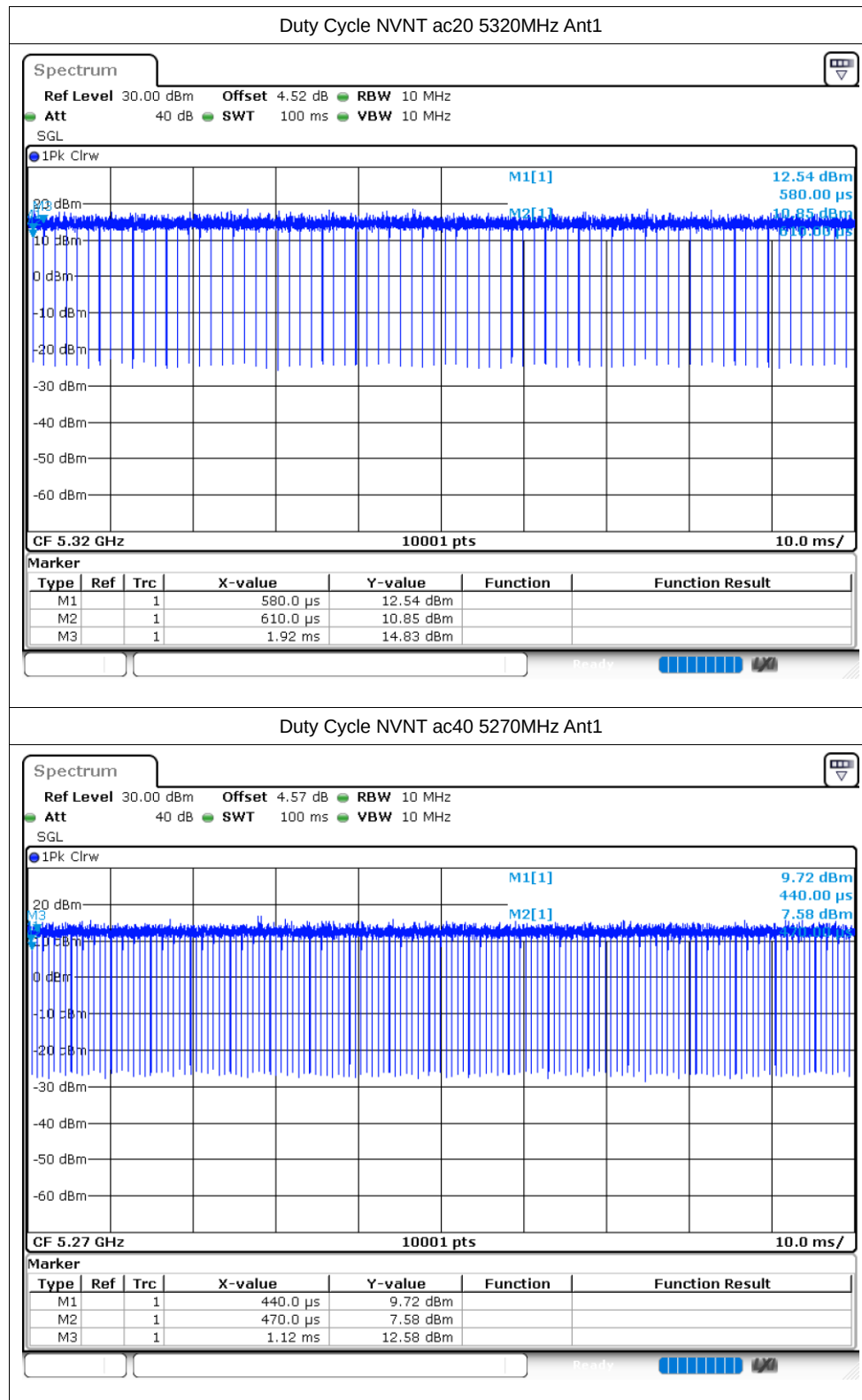
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		570.0 μs	14.90 dBm		
M2	1		610.0 μs	11.04 dBm		
M3	1		2.0 ms	15.76 dBm		

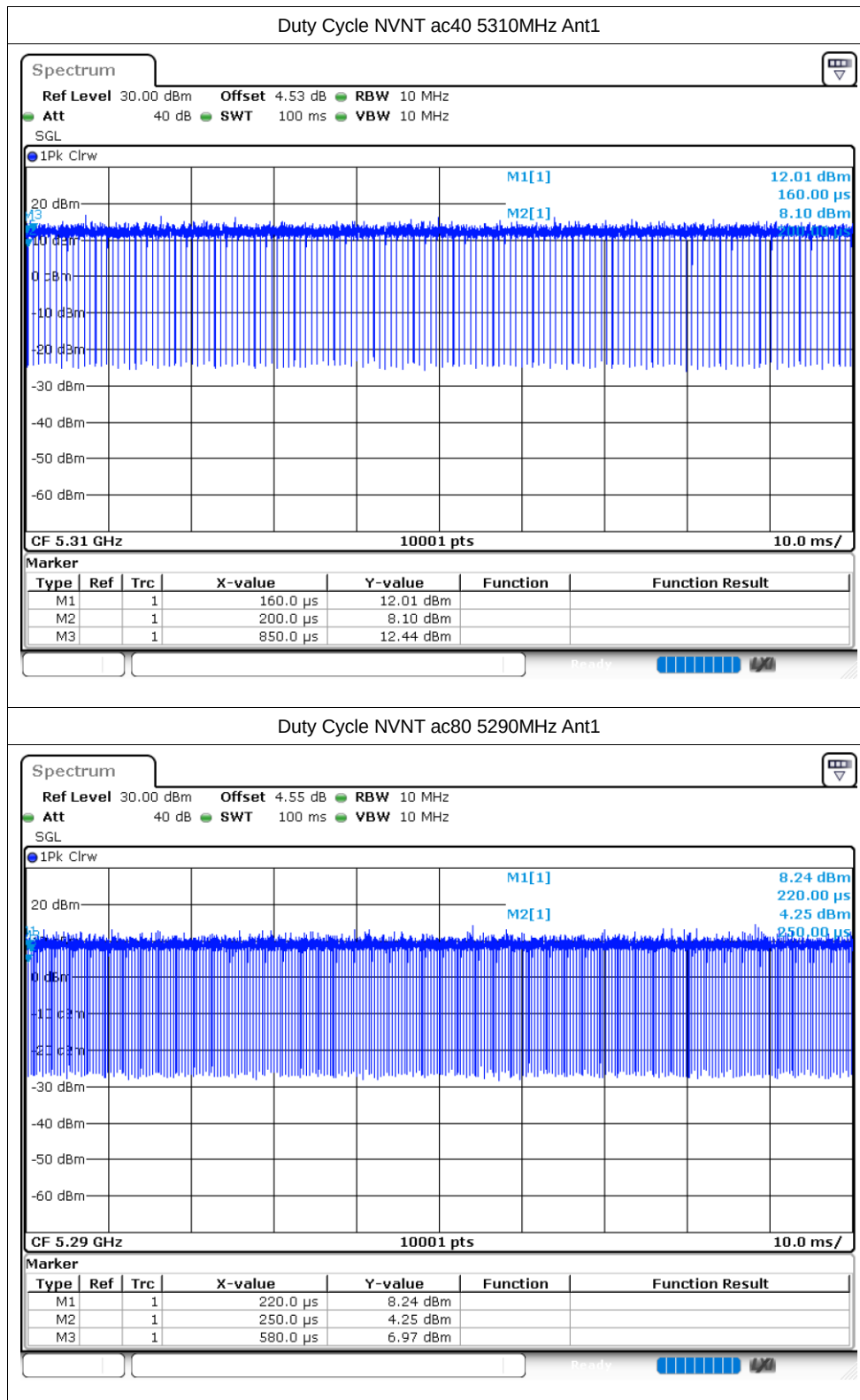












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	9.41	24	Pass
NVNT	a	5280	Ant1	9.65	24	Pass
NVNT	a	5320	Ant1	9.95	24	Pass
NVNT	n20	5260	Ant1	9.62	24	Pass
NVNT	n20	5280	Ant1	9.31	24	Pass
NVNT	n20	5320	Ant1	9.95	24	Pass
NVNT	n40	5270	Ant1	9.36	24	Pass
NVNT	n40	5310	Ant1	9.83	24	Pass
NVNT	ac20	5260	Ant1	9.56	24	Pass
NVNT	ac20	5280	Ant1	9.54	24	Pass
NVNT	ac20	5320	Ant1	9.72	24	Pass
NVNT	ac40	5270	Ant1	9.69	24	Pass
NVNT	ac40	5310	Ant1	9.73	24	Pass
NVNT	ac80	5290	Ant1	9.54	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5260	Ant1	20.121
NVNT	a	5280	Ant1	19.626
NVNT	a	5320	Ant1	19.608
NVNT	n20	5260	Ant1	20.322
NVNT	n20	5280	Ant1	20.22
NVNT	n20	5320	Ant1	19.965
NVNT	n40	5270	Ant1	40.902
NVNT	n40	5310	Ant1	40.8
NVNT	ac20	5260	Ant1	20.154
NVNT	ac20	5280	Ant1	20.064
NVNT	ac20	5320	Ant1	20.082
NVNT	ac40	5270	Ant1	40.602
NVNT	ac40	5310	Ant1	40.824
NVNT	ac80	5290	Ant1	80.832

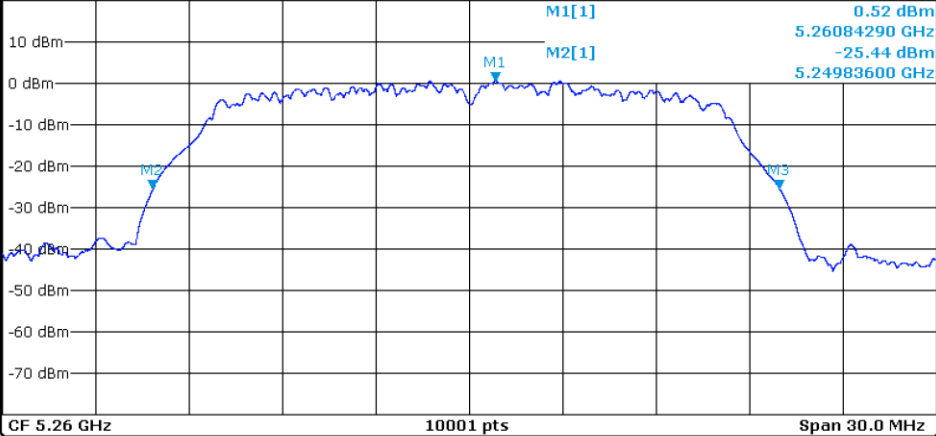
Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.59 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

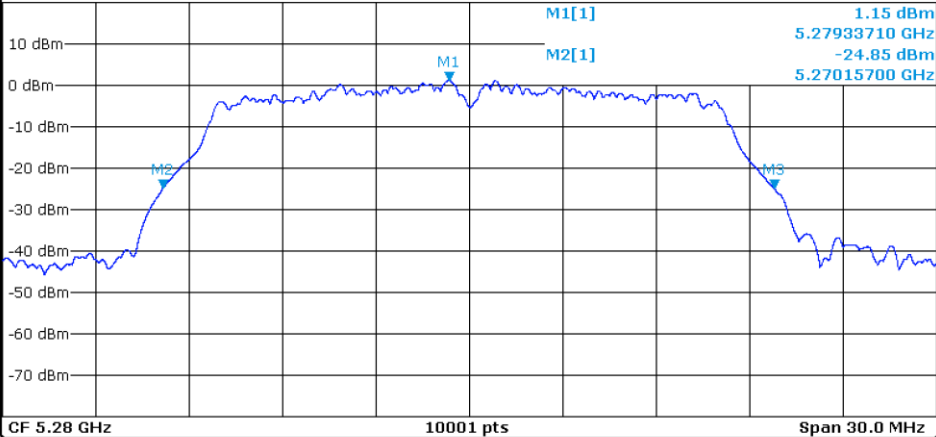
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2608429 GHz	0.52 dBm		
M2	1		5.249836 GHz	-25.44 dBm		
M3	1		5.269957 GHz	-25.46 dBm		

-26dB Bandwidth NVNT a 5280MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.56 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		5.2793371 GHz	1.15 dBm		
M2	1		5.270157 GHz	-24.85 dBm		
M3	1		5.289783 GHz	-24.85 dBm		