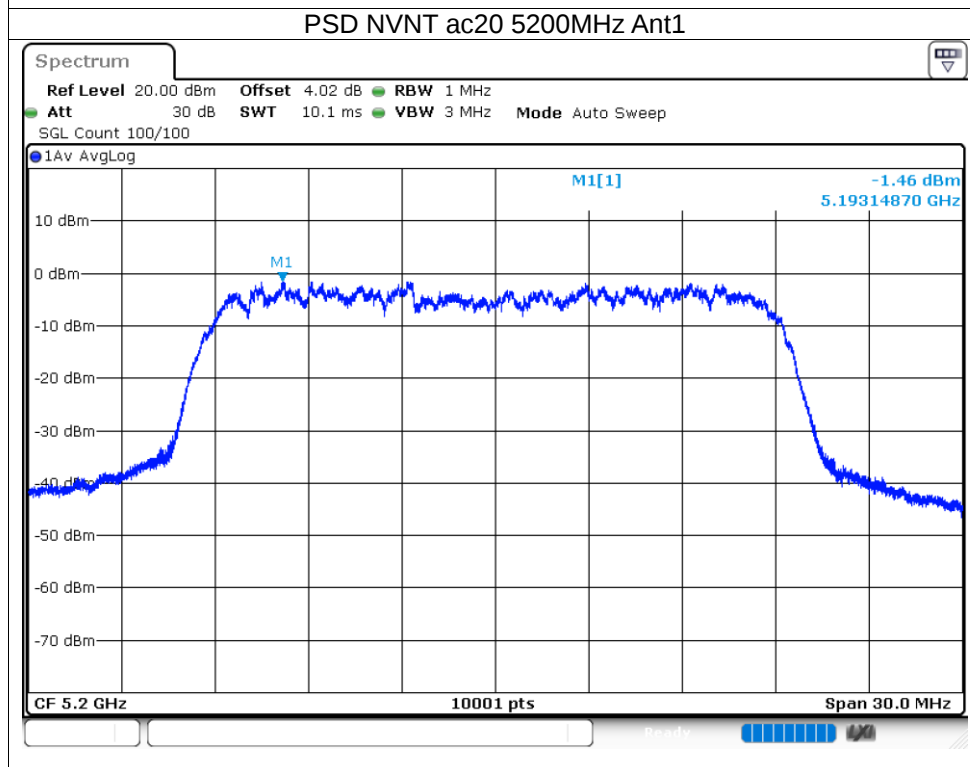
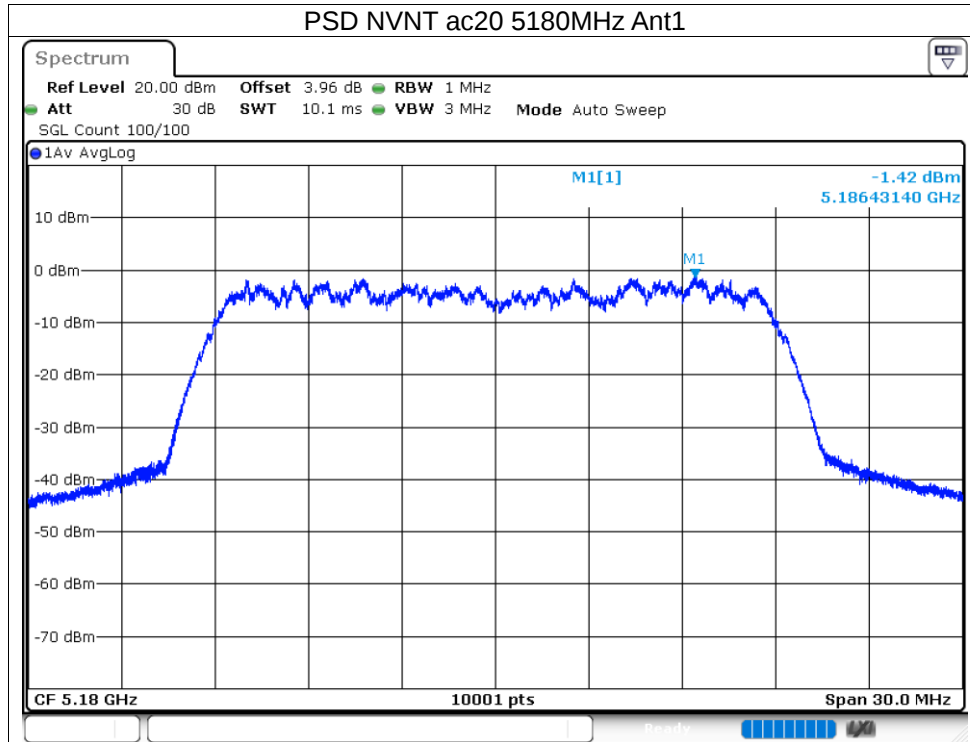
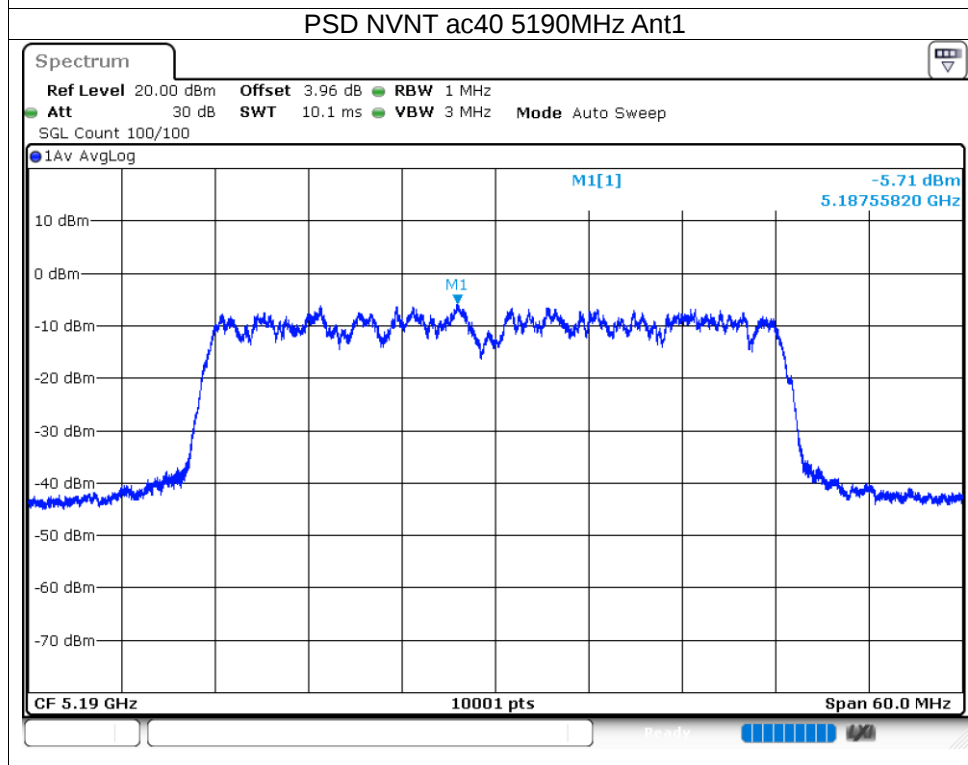
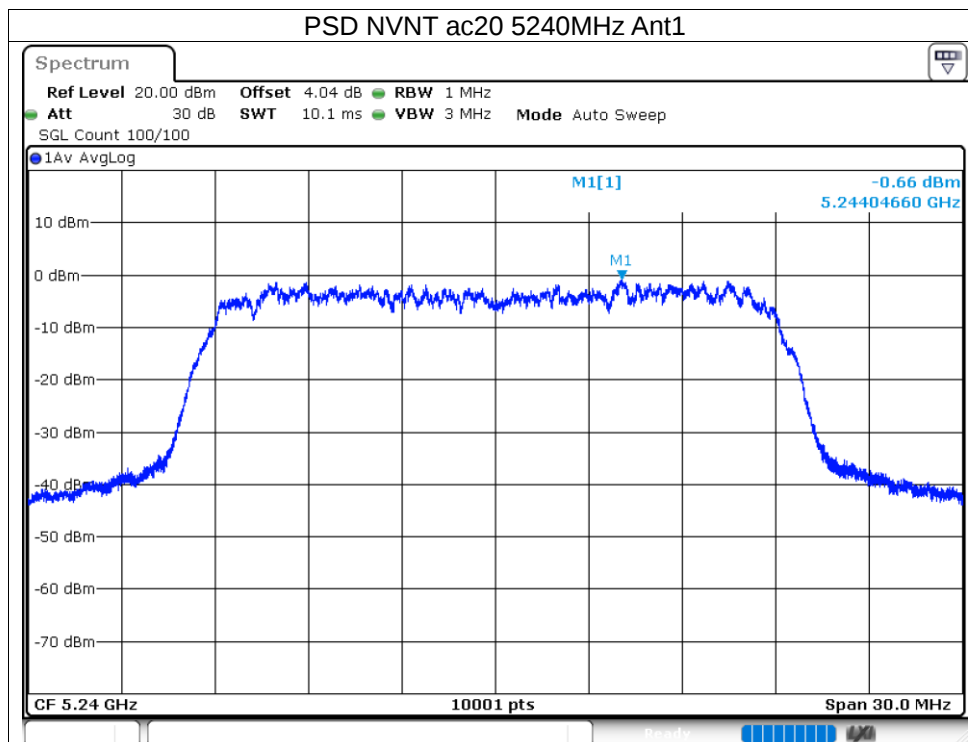
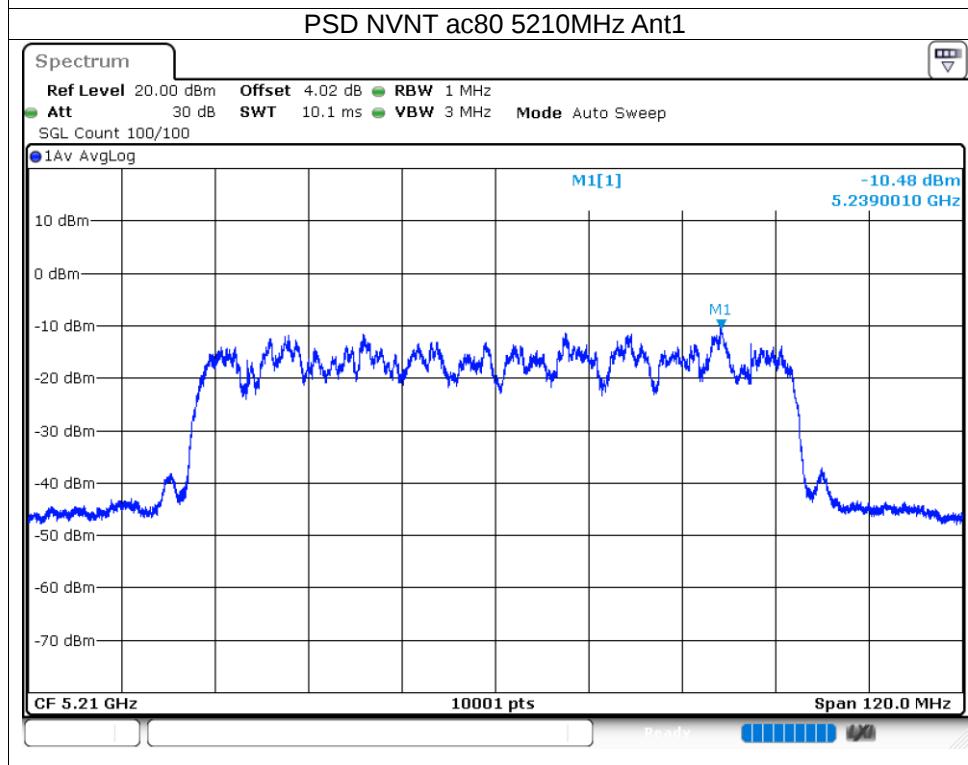
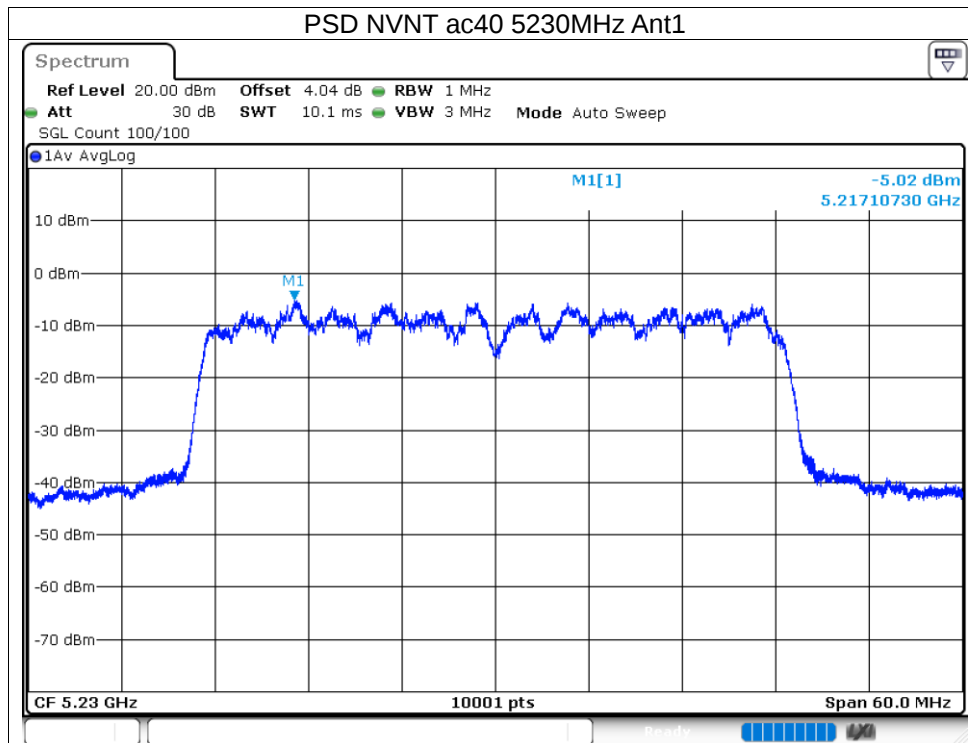




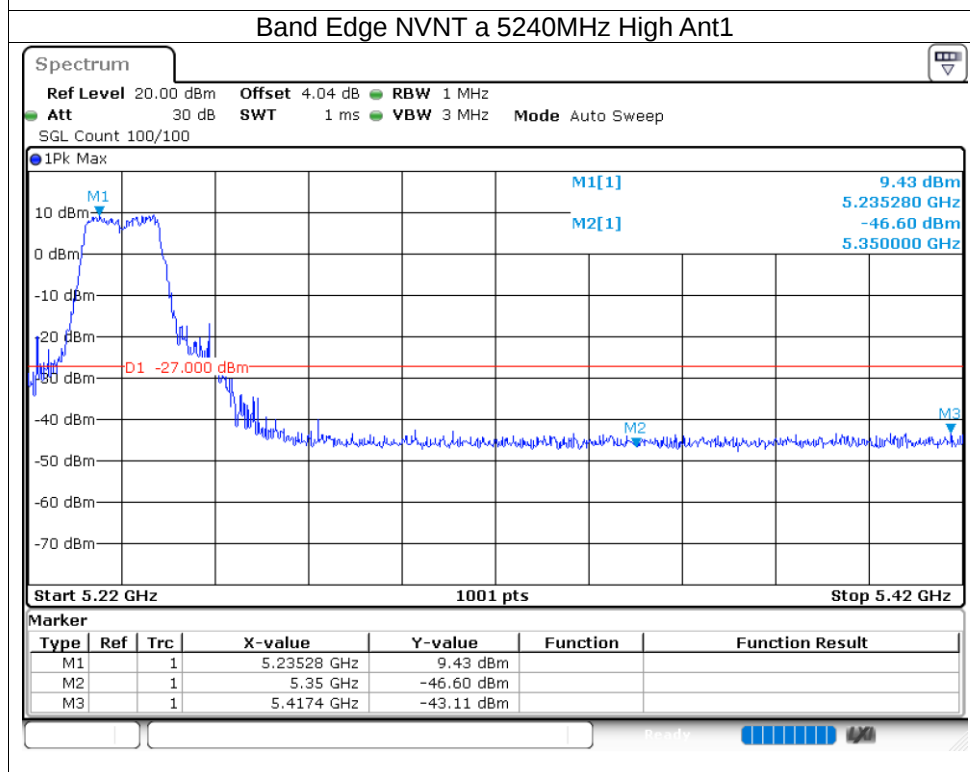
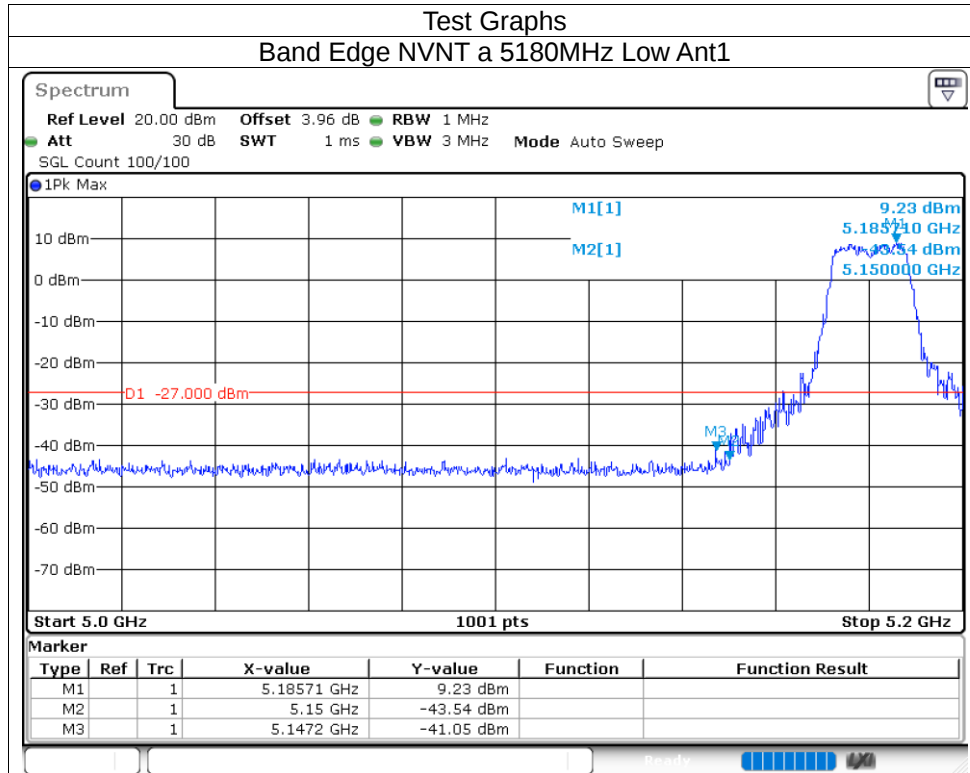


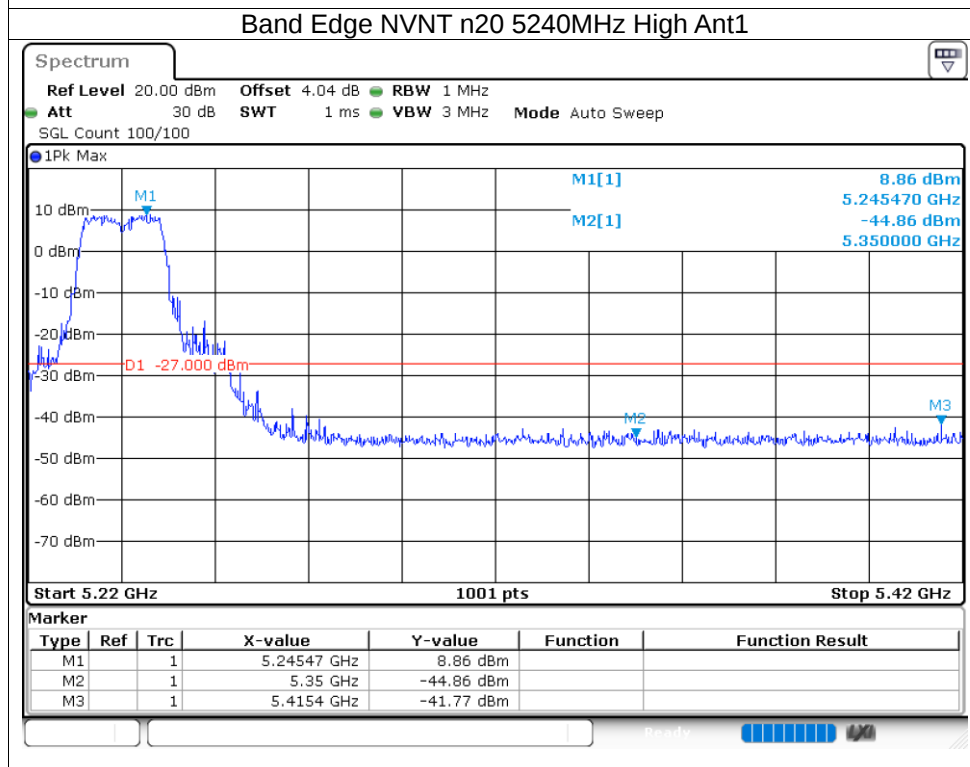
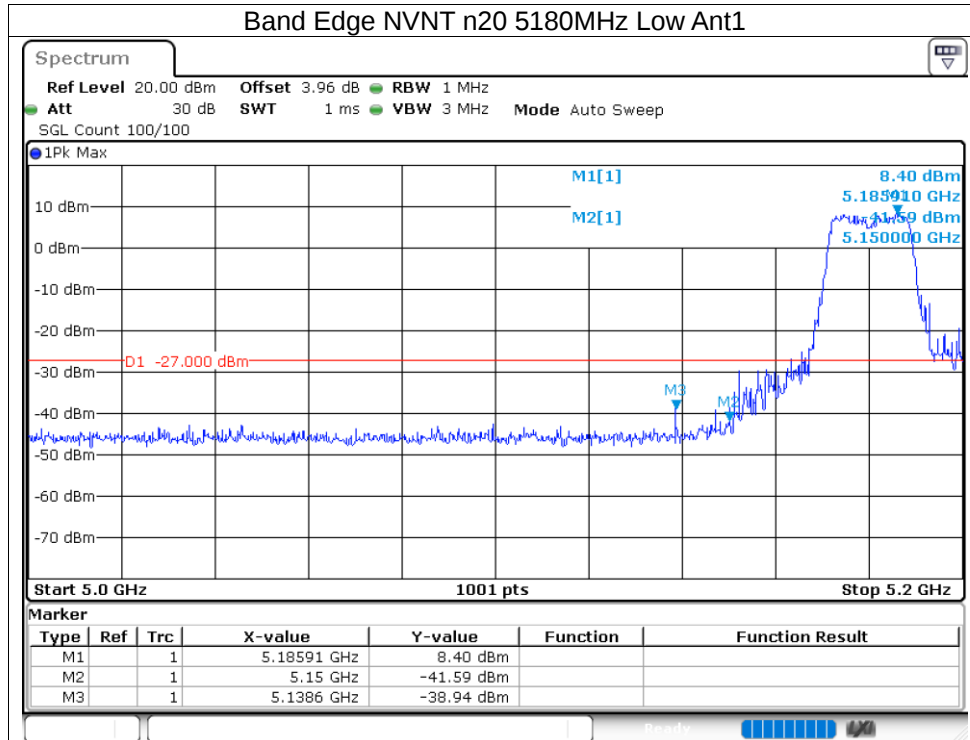


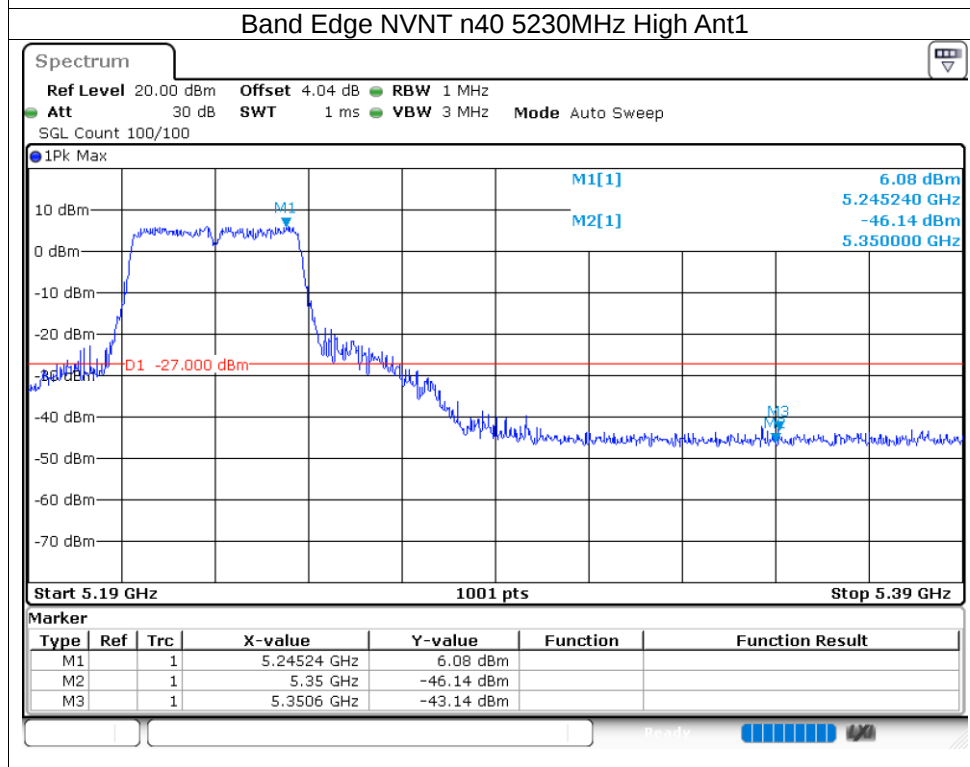
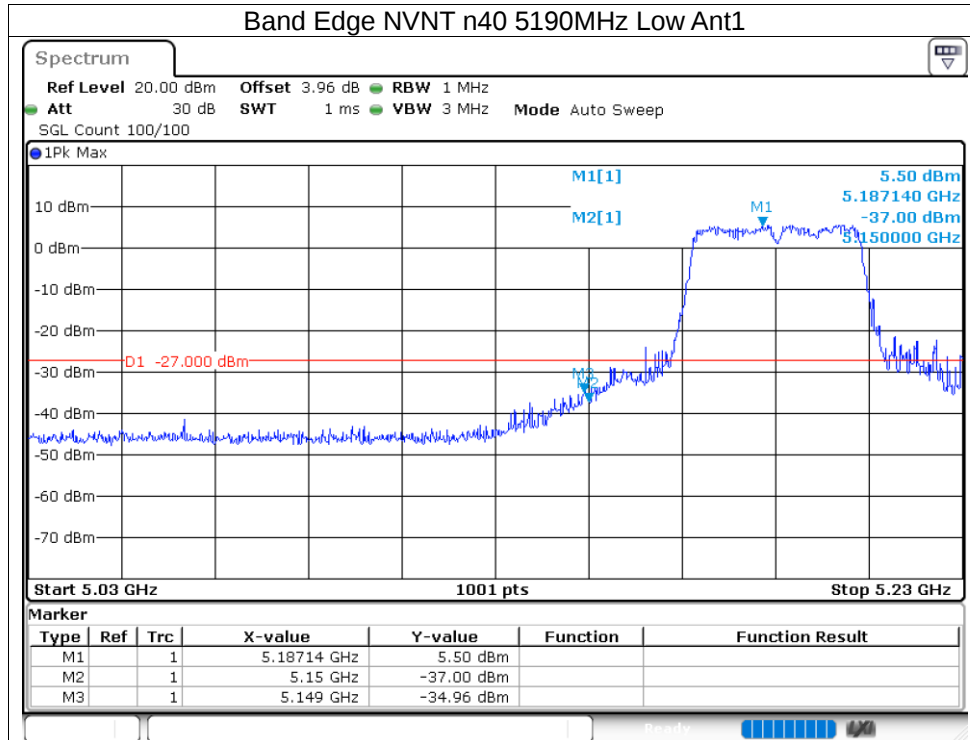
5.1.6 Band Edge

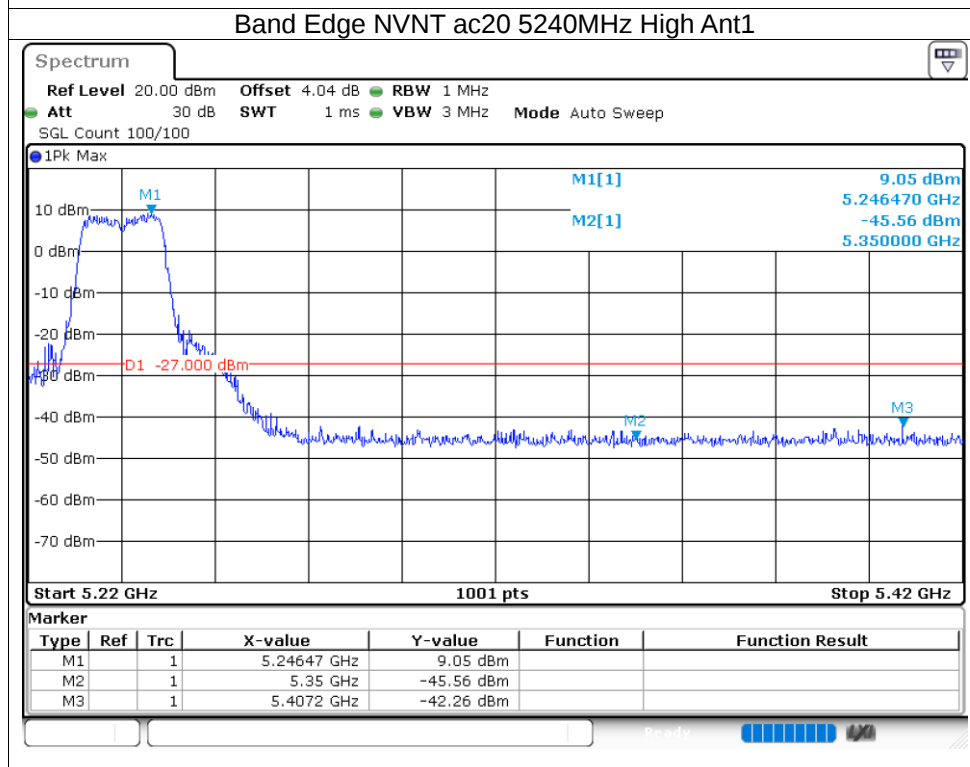
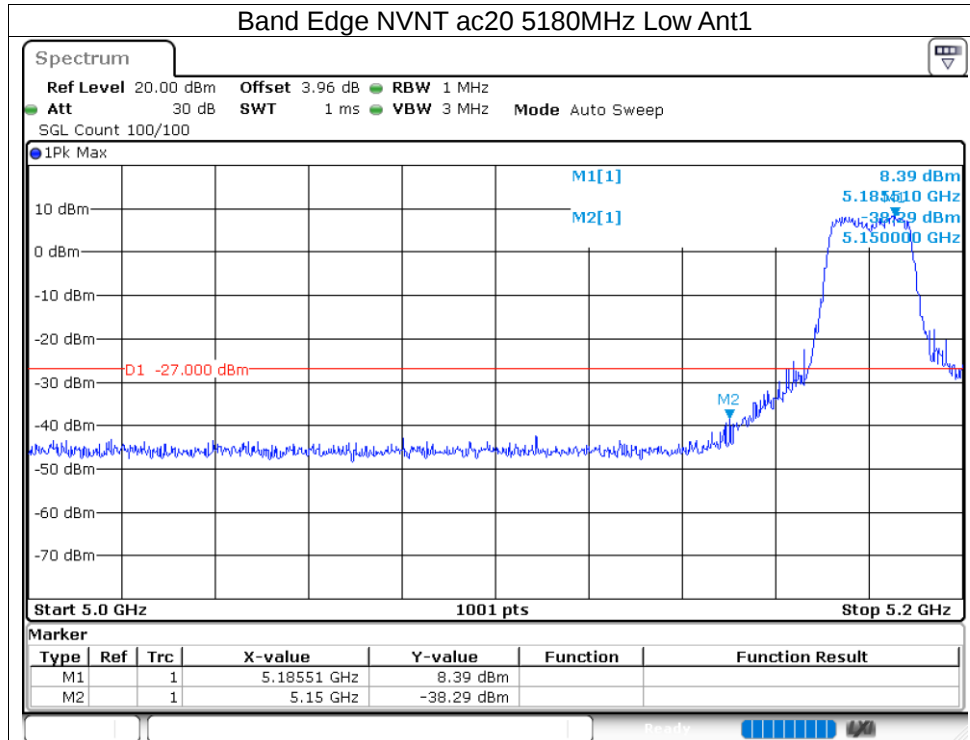
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-41.05	-27	Pass
NVNT	a	5240	Ant1	-43.1	-27	Pass
NVNT	n20	5180	Ant1	-38.94	-27	Pass
NVNT	n20	5240	Ant1	-41.77	-27	Pass
NVNT	n40	5190	Ant1	-34.96	-27	Pass
NVNT	n40	5230	Ant1	-43.14	-27	Pass
NVNT	ac20	5180	Ant1	-38.28	-27	Pass
NVNT	ac20	5240	Ant1	-42.25	-27	Pass
NVNT	ac40	5190	Ant1	-33.27	-27	Pass
NVNT	ac40	5230	Ant1	-42.58	-27	Pass
NVNT	ac80	5210	Ant1	-42.7	-27	Pass

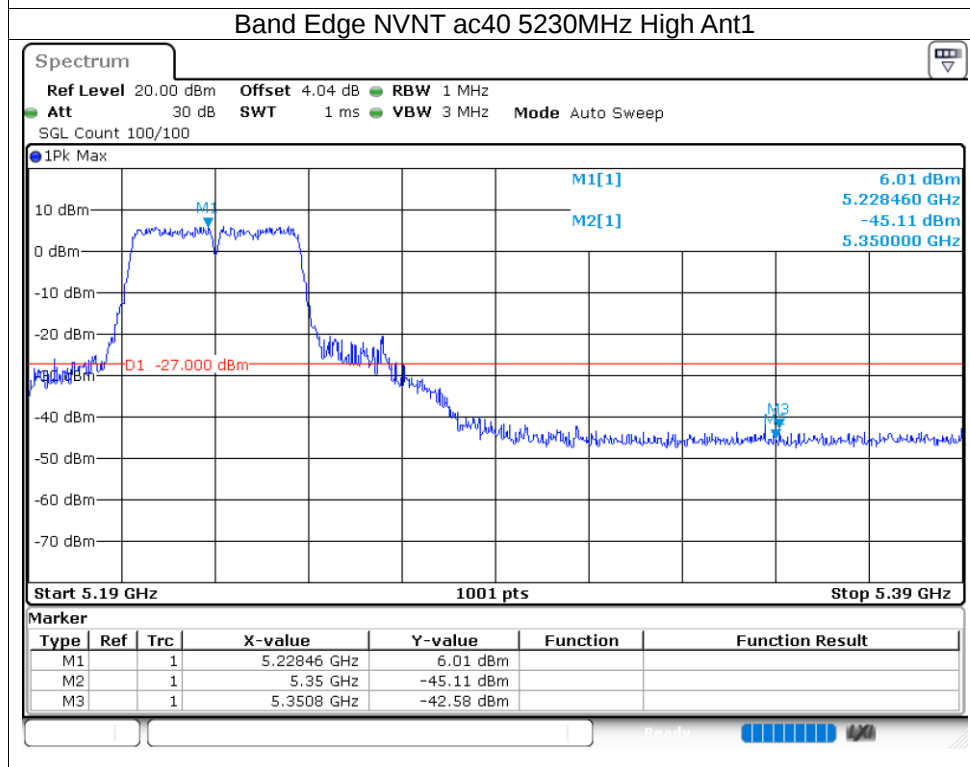
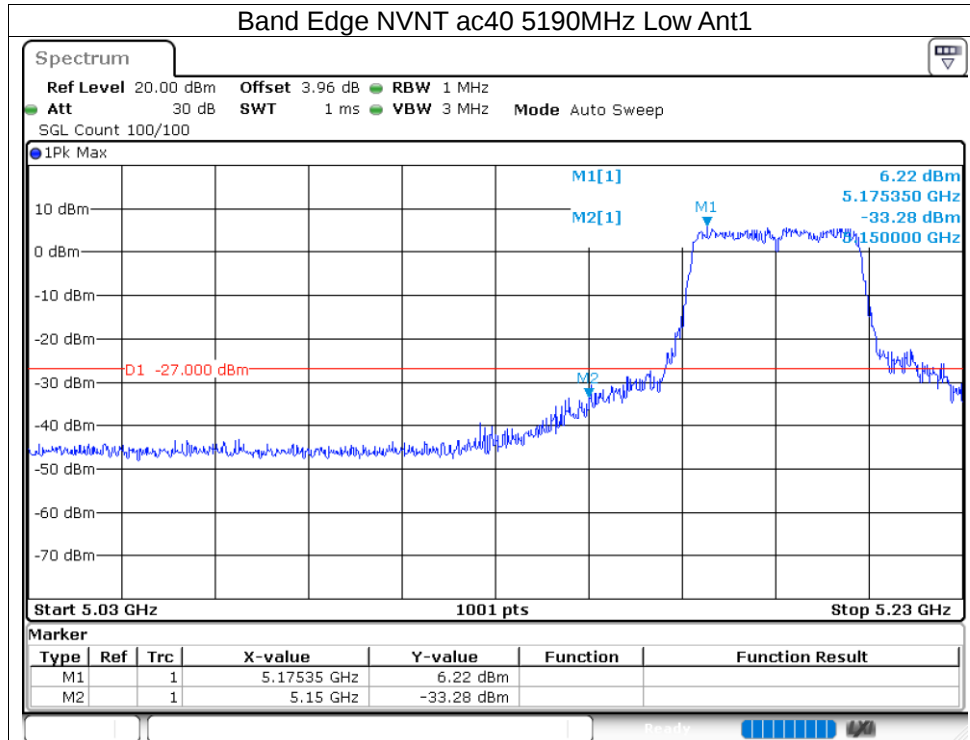
Note: This test has increased antenna gain

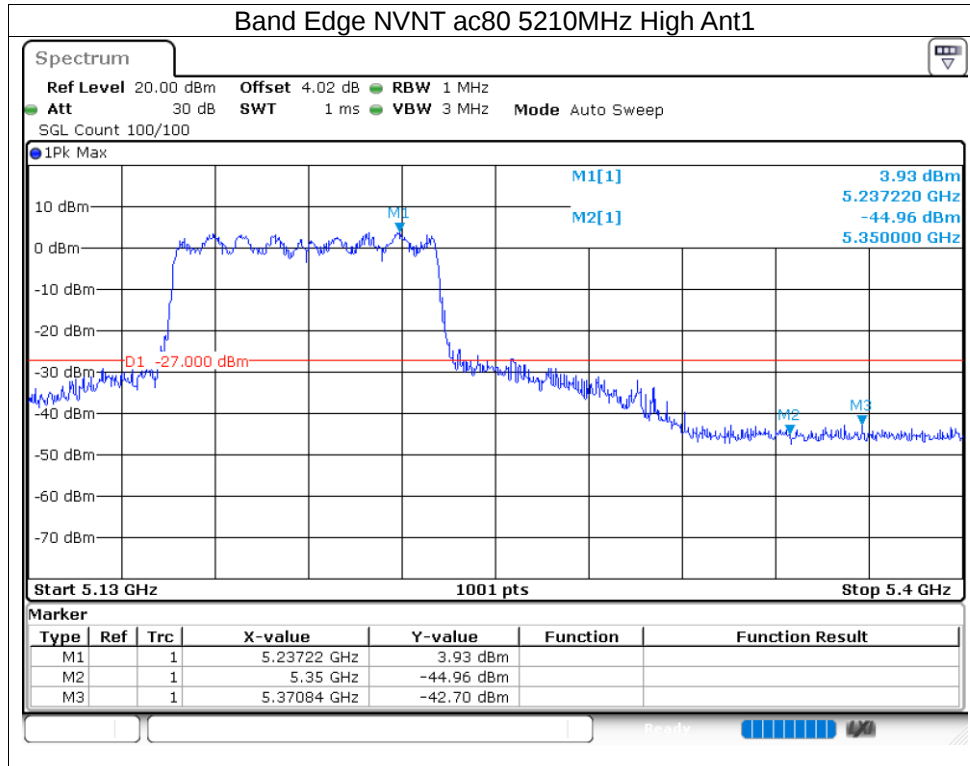








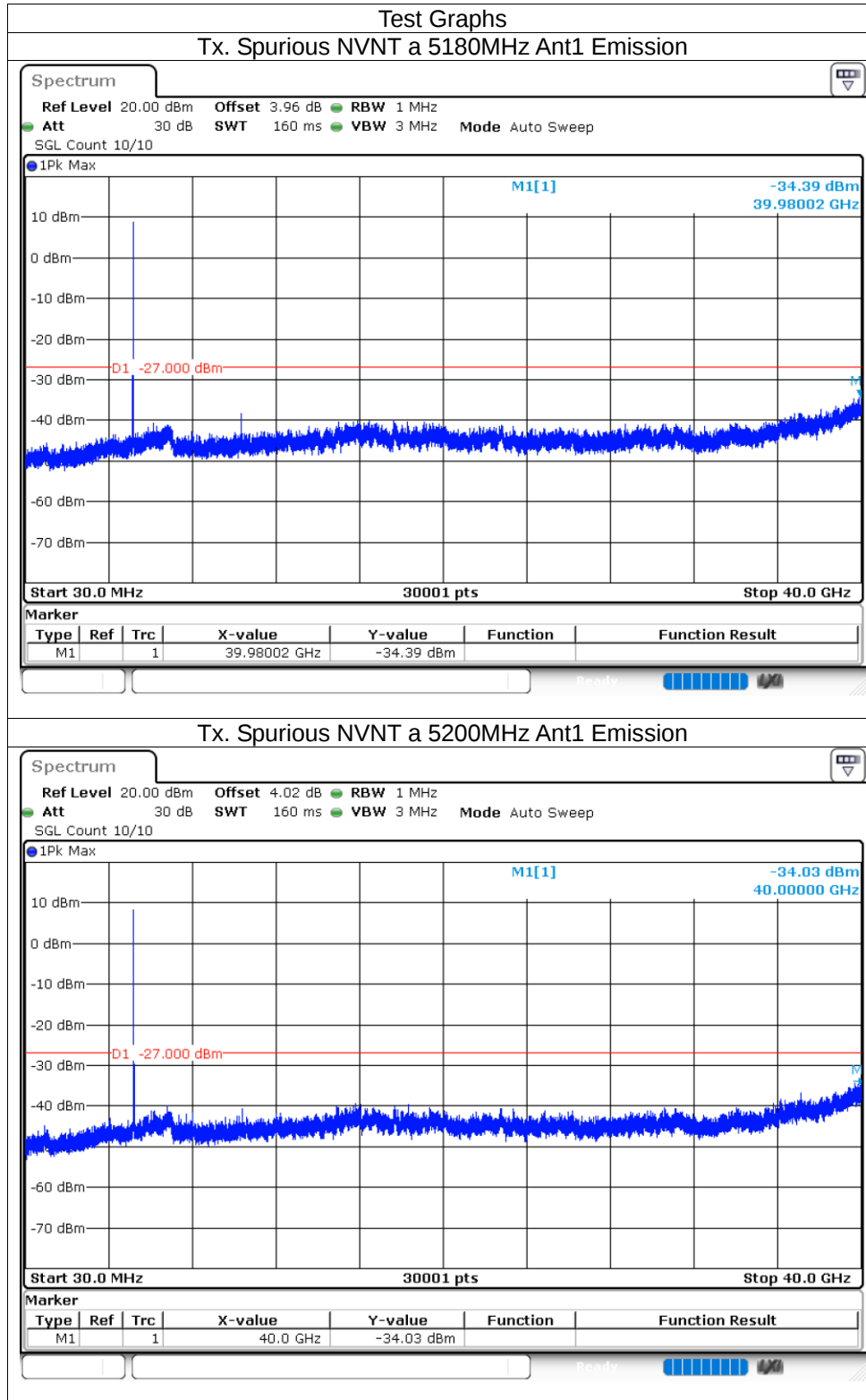


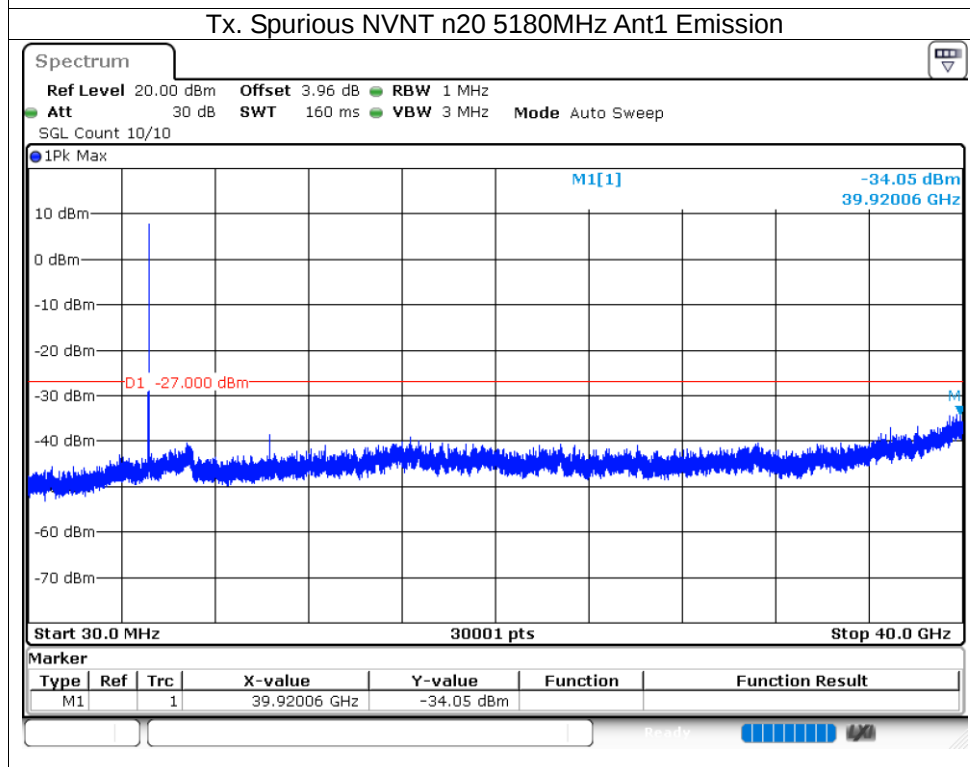
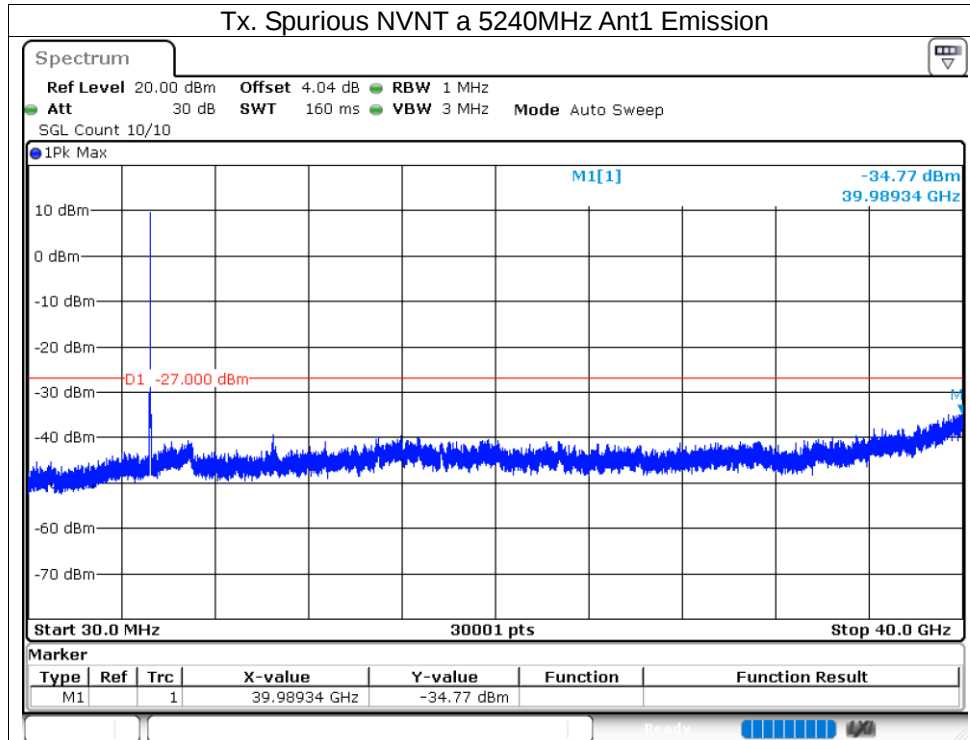


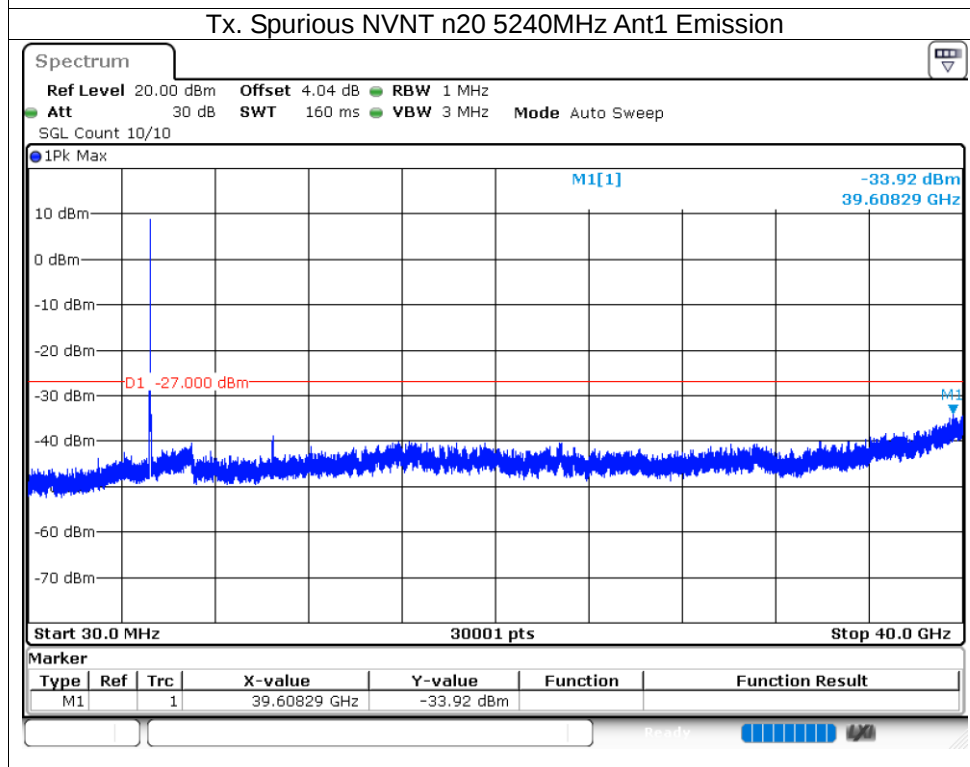
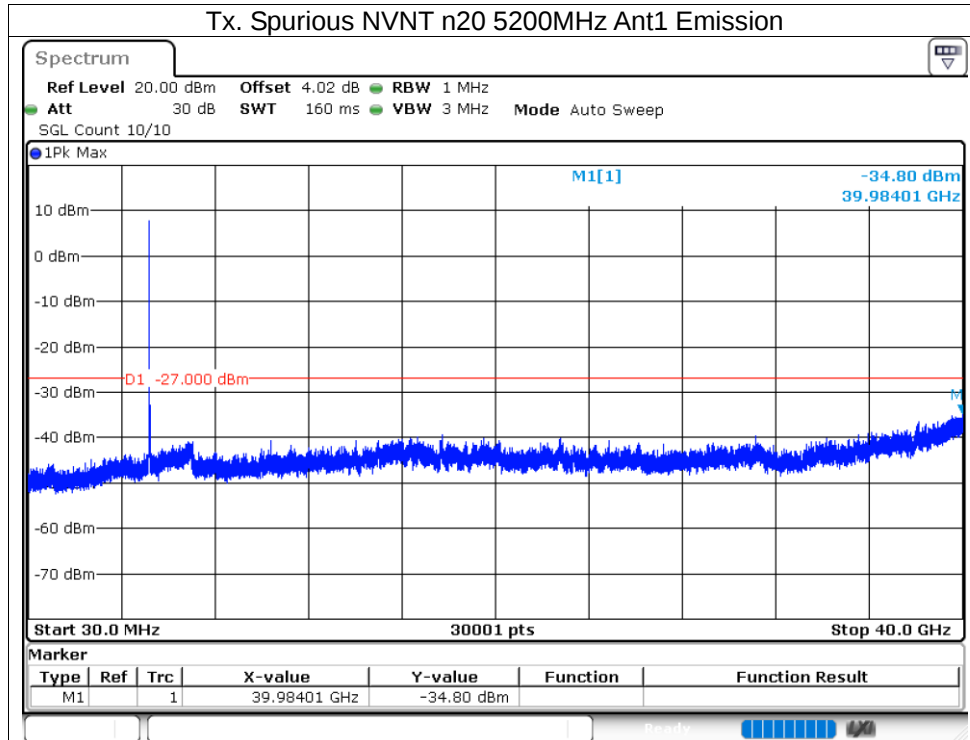
5.1.7 Conducted RF Spurious Emission

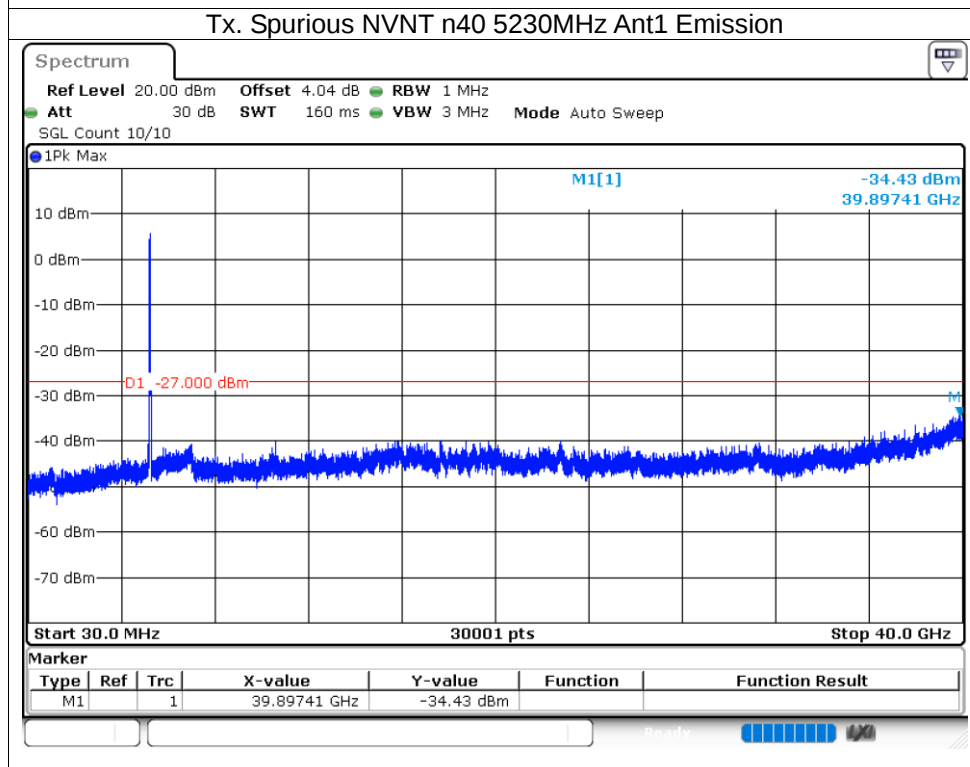
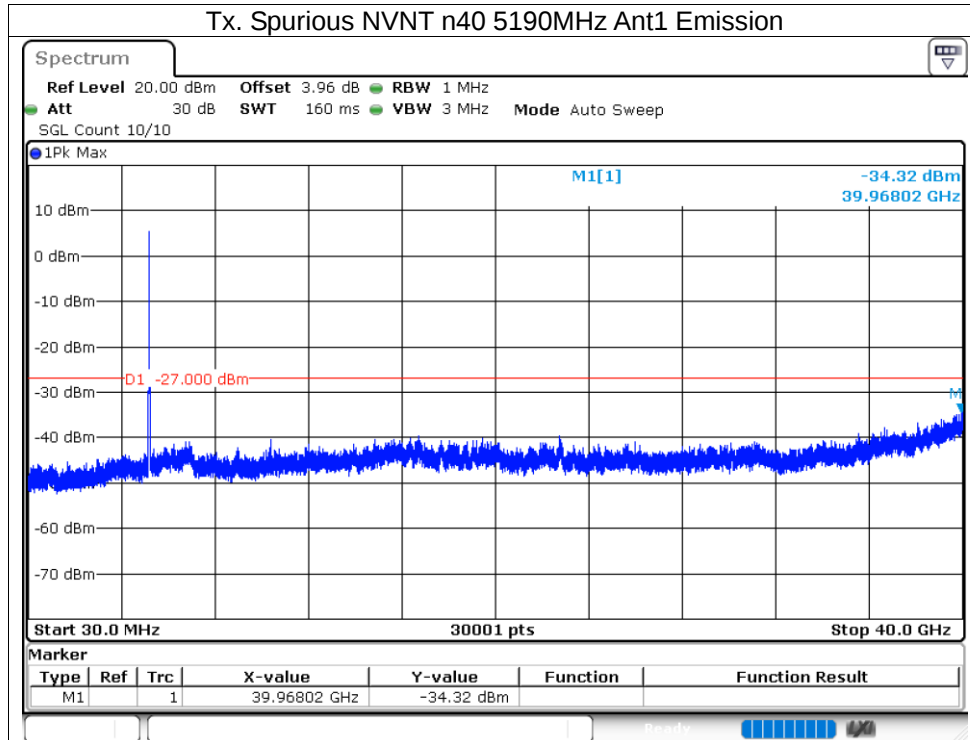
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-34.39	-27	Pass
NVNT	a	5200	Ant1	-34.02	-27	Pass
NVNT	a	5240	Ant1	-34.77	-27	Pass
NVNT	n20	5180	Ant1	-34.04	-27	Pass
NVNT	n20	5200	Ant1	-34.79	-27	Pass
NVNT	n20	5240	Ant1	-33.91	-27	Pass
NVNT	n40	5190	Ant1	-34.31	-27	Pass
NVNT	n40	5230	Ant1	-34.43	-27	Pass
NVNT	ac20	5180	Ant1	-34.65	-27	Pass
NVNT	ac20	5200	Ant1	-34.35	-27	Pass
NVNT	ac20	5240	Ant1	-33.88	-27	Pass
NVNT	ac40	5190	Ant1	-34.6	-27	Pass
NVNT	ac40	5230	Ant1	-34.92	-27	Pass
NVNT	ac80	5210	Ant1	-34.44	-27	Pass

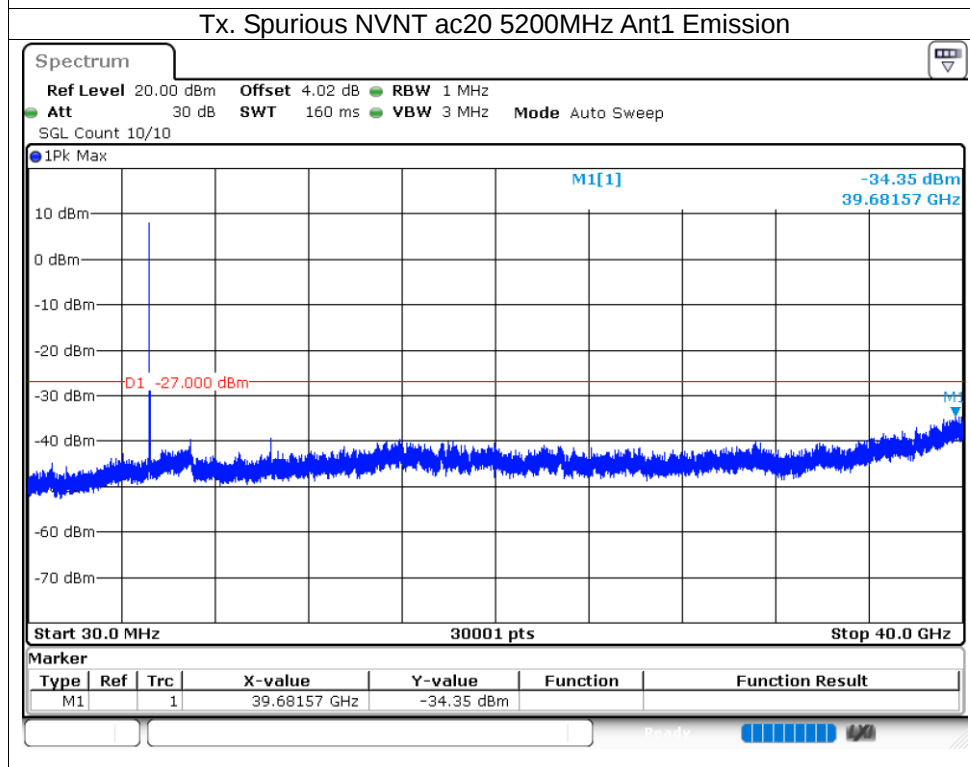
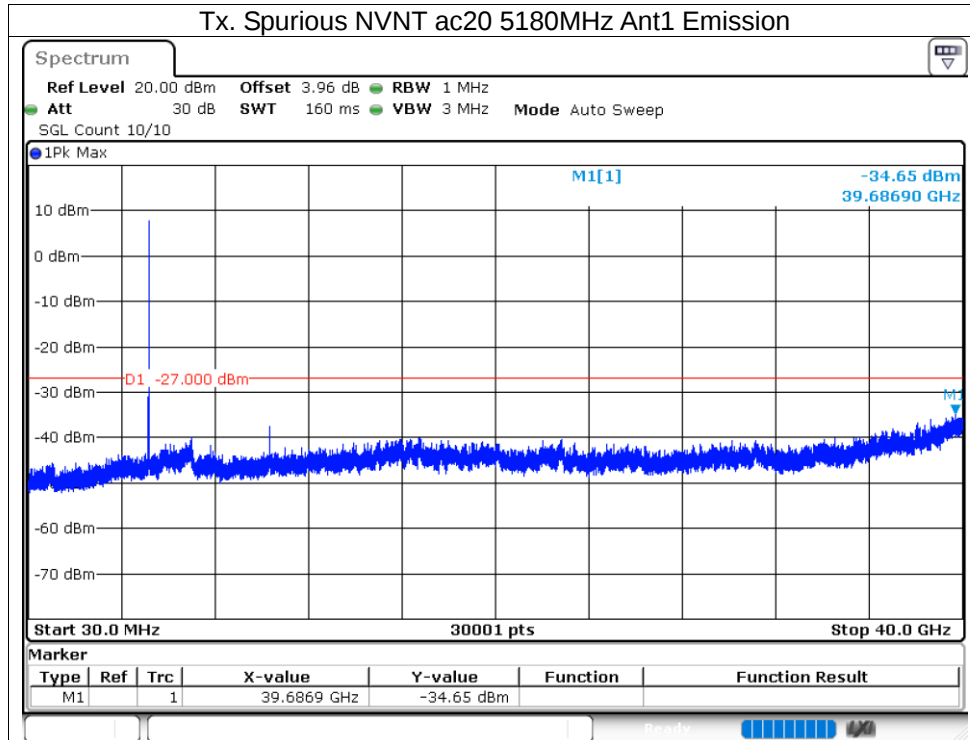
Note: This test has increased antenna gain

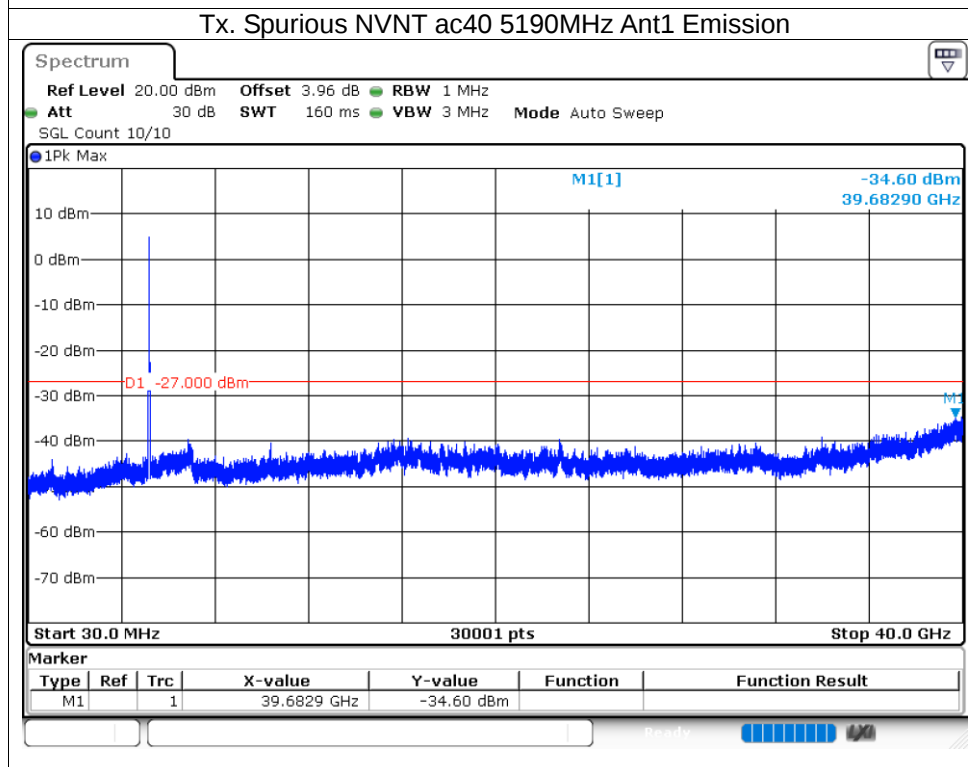
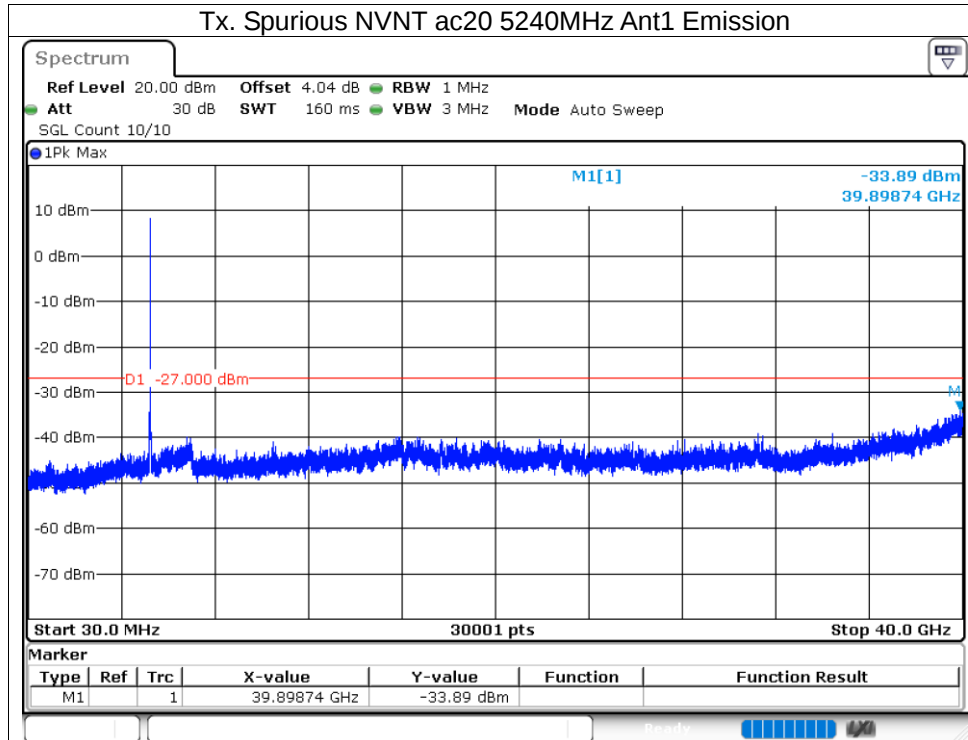


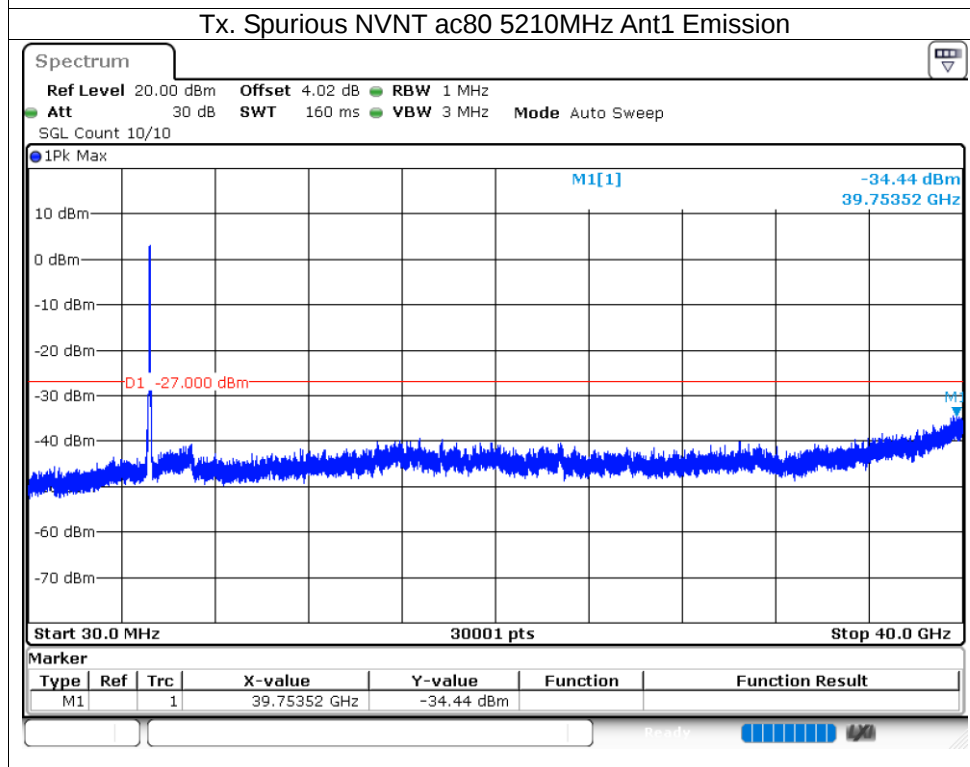
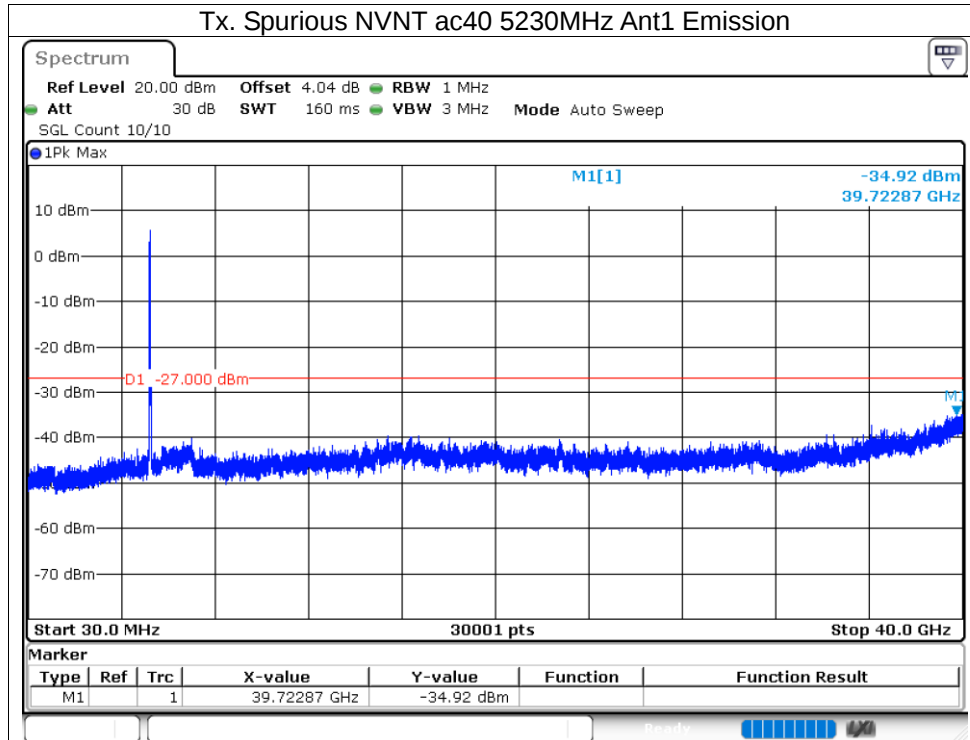








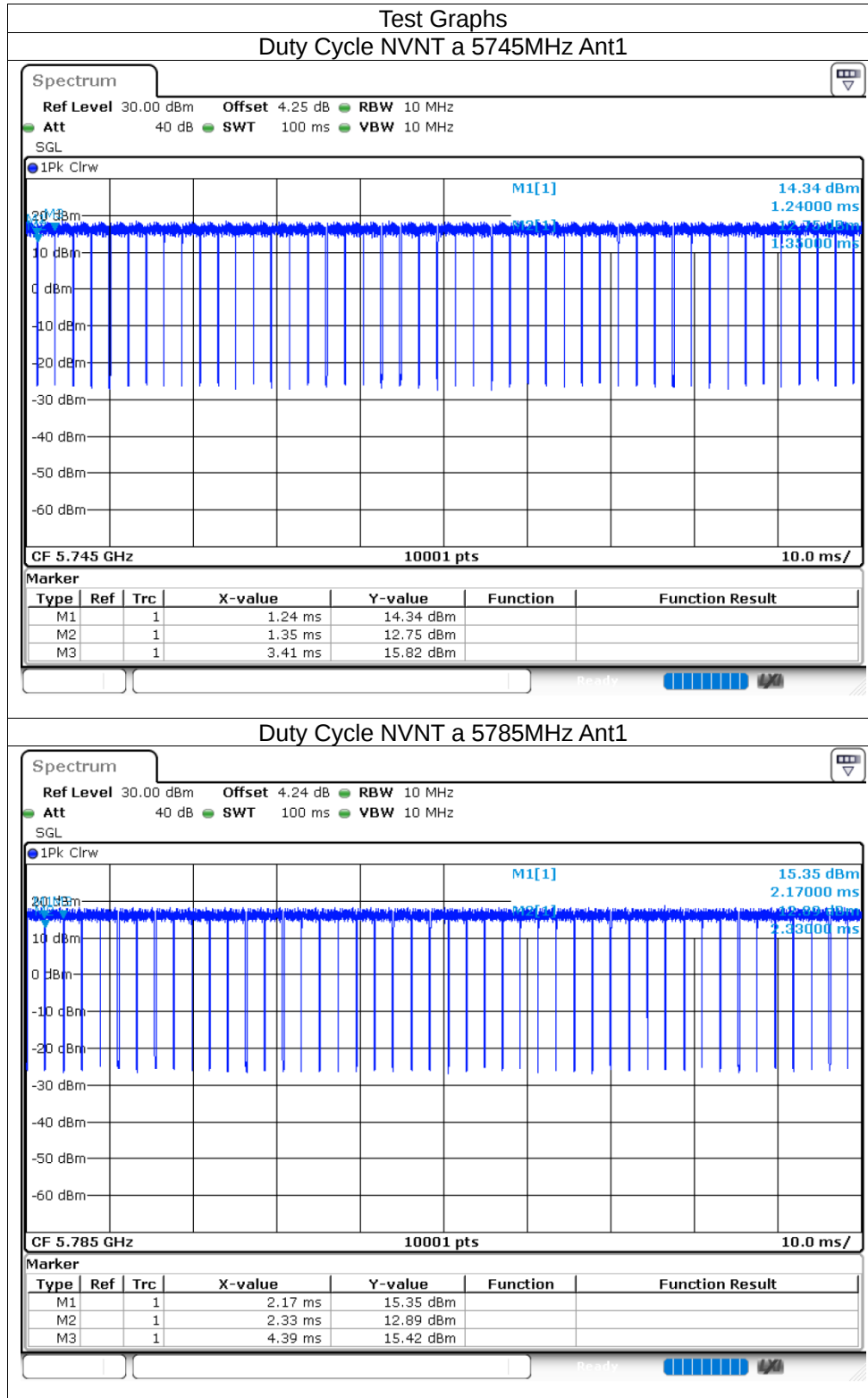


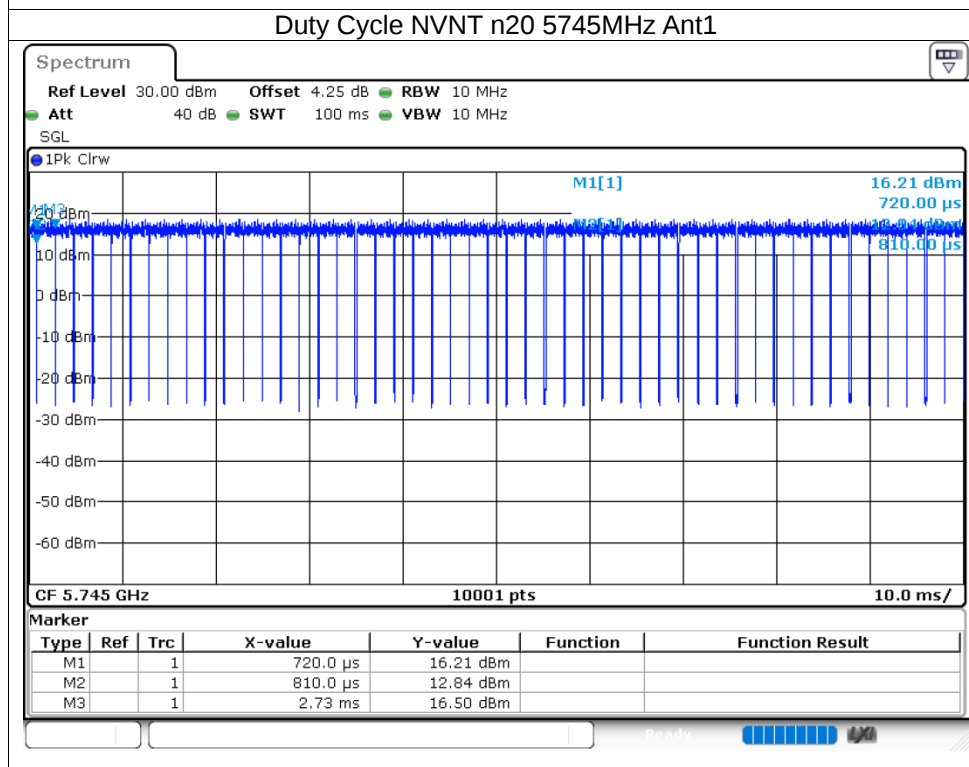
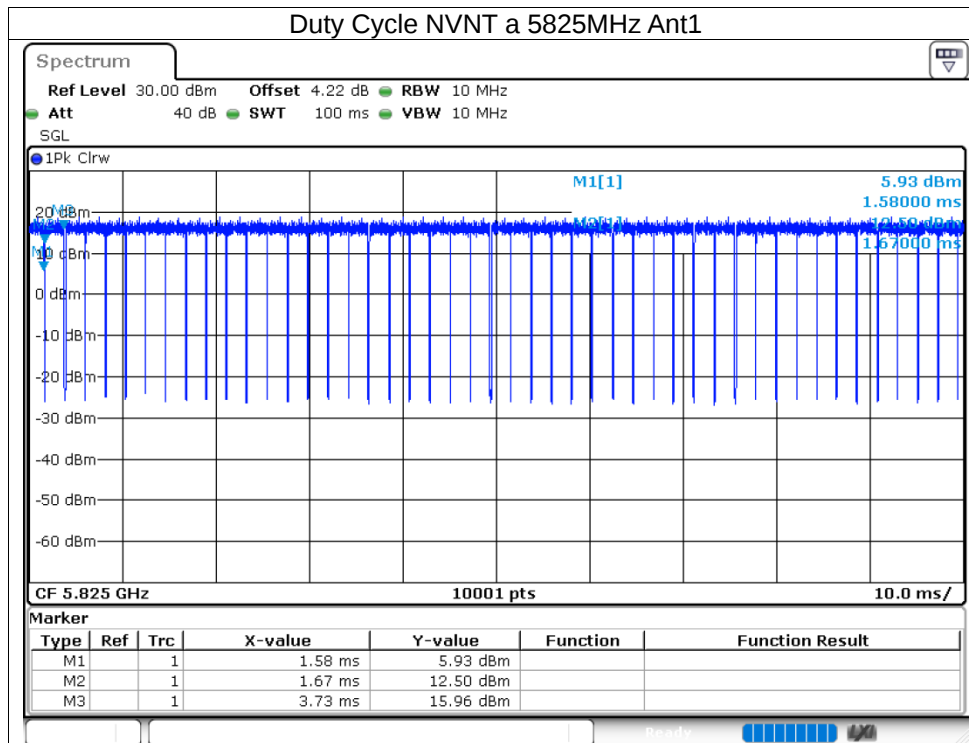


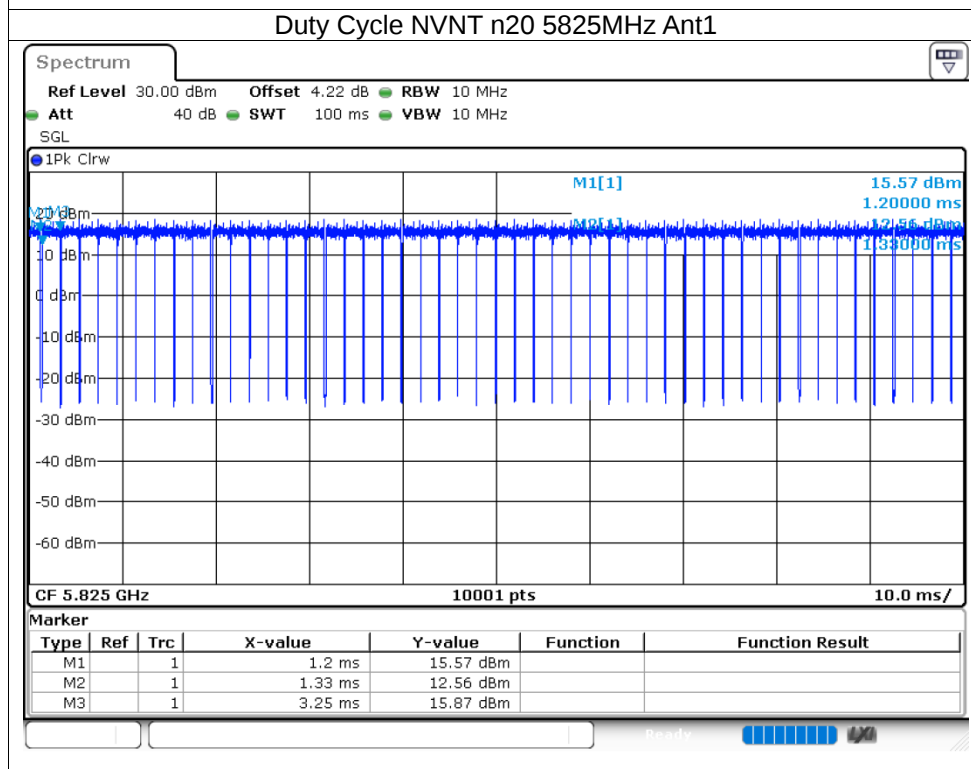
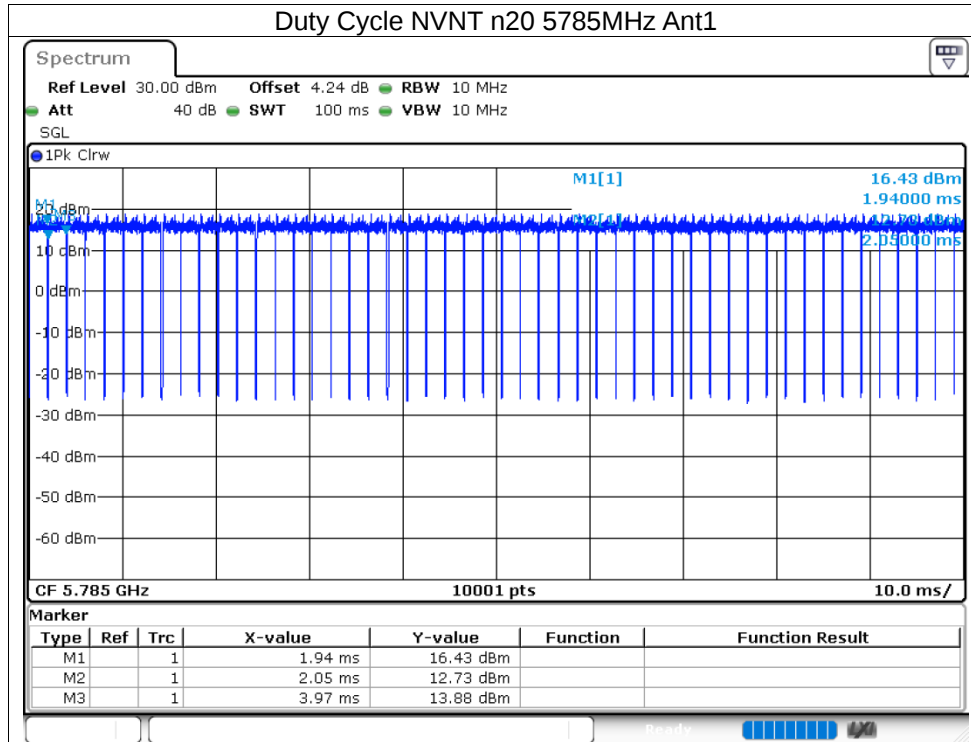
5.2 5.8G WIFI

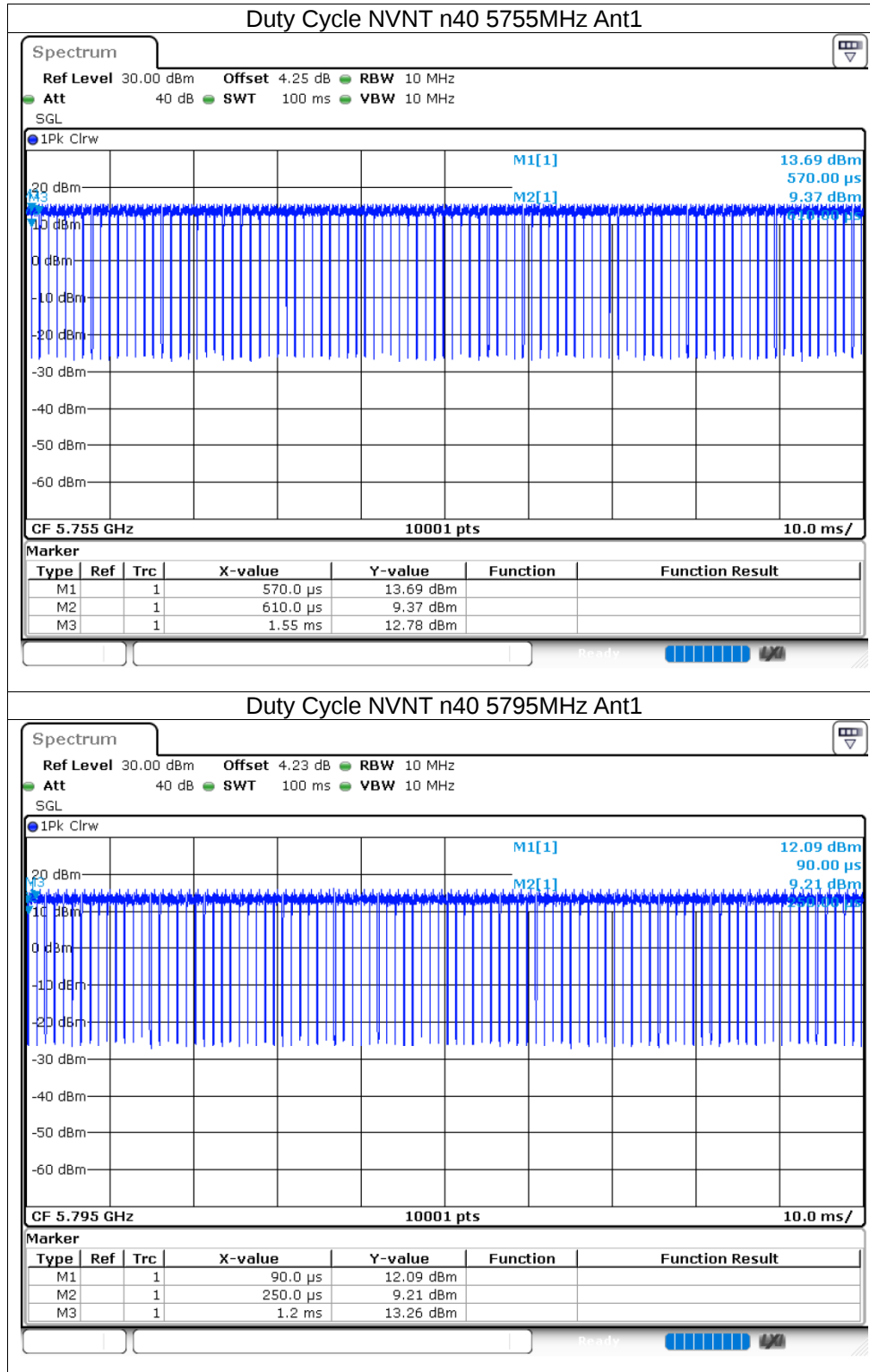
5.2.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	95.52	0.2	0.49
NVNT	a	5785	Ant1	94.93	0.23	0.49
NVNT	a	5825	Ant1	95.54	0.2	0.49
NVNT	n20	5745	Ant1	95.29	0.21	0.52
NVNT	n20	5785	Ant1	95.58	0.2	0.52
NVNT	n20	5825	Ant1	95.15	0.22	0.52
NVNT	n40	5755	Ant1	91.5	0.39	1.06
NVNT	n40	5795	Ant1	91.1	0.4	1.05
NVNT	ac20	5745	Ant1	95	0.22	0.52
NVNT	ac20	5785	Ant1	95.02	0.22	0.52
NVNT	ac20	5825	Ant1	95.32	0.21	0.52
NVNT	ac40	5755	Ant1	91.07	0.41	1.04
NVNT	ac40	5795	Ant1	90.8	0.42	1.05
NVNT	ac80	5775	Ant1	82.98	0.81	2.17







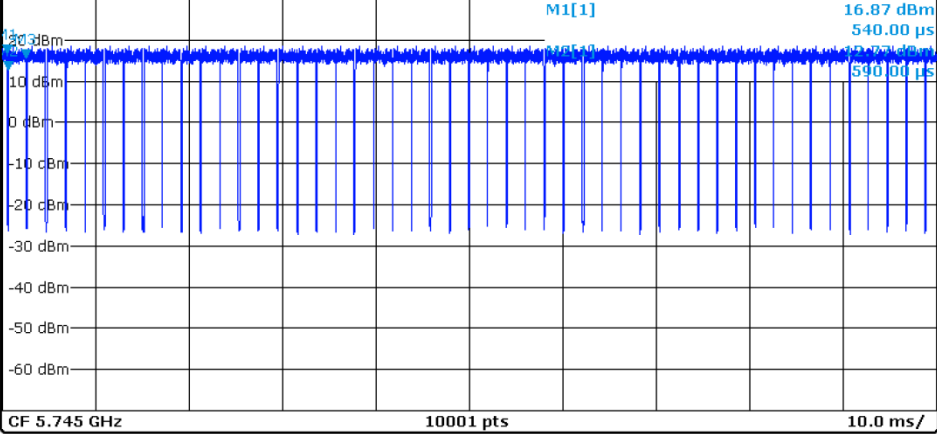


Duty Cycle NVNT ac20 5745MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.25 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

IPk Clrw



Marker

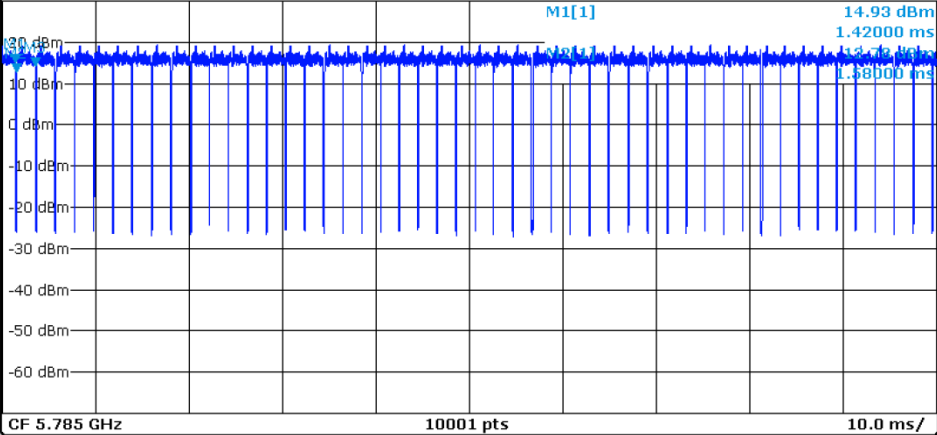
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		540.0 μs	16.87 dBm		
M2	1		590.0 μs	12.77 dBm		
M3	1		2.52 ms	15.76 dBm		

Duty Cycle NVNT ac20 5785MHz Ant1

Spectrum

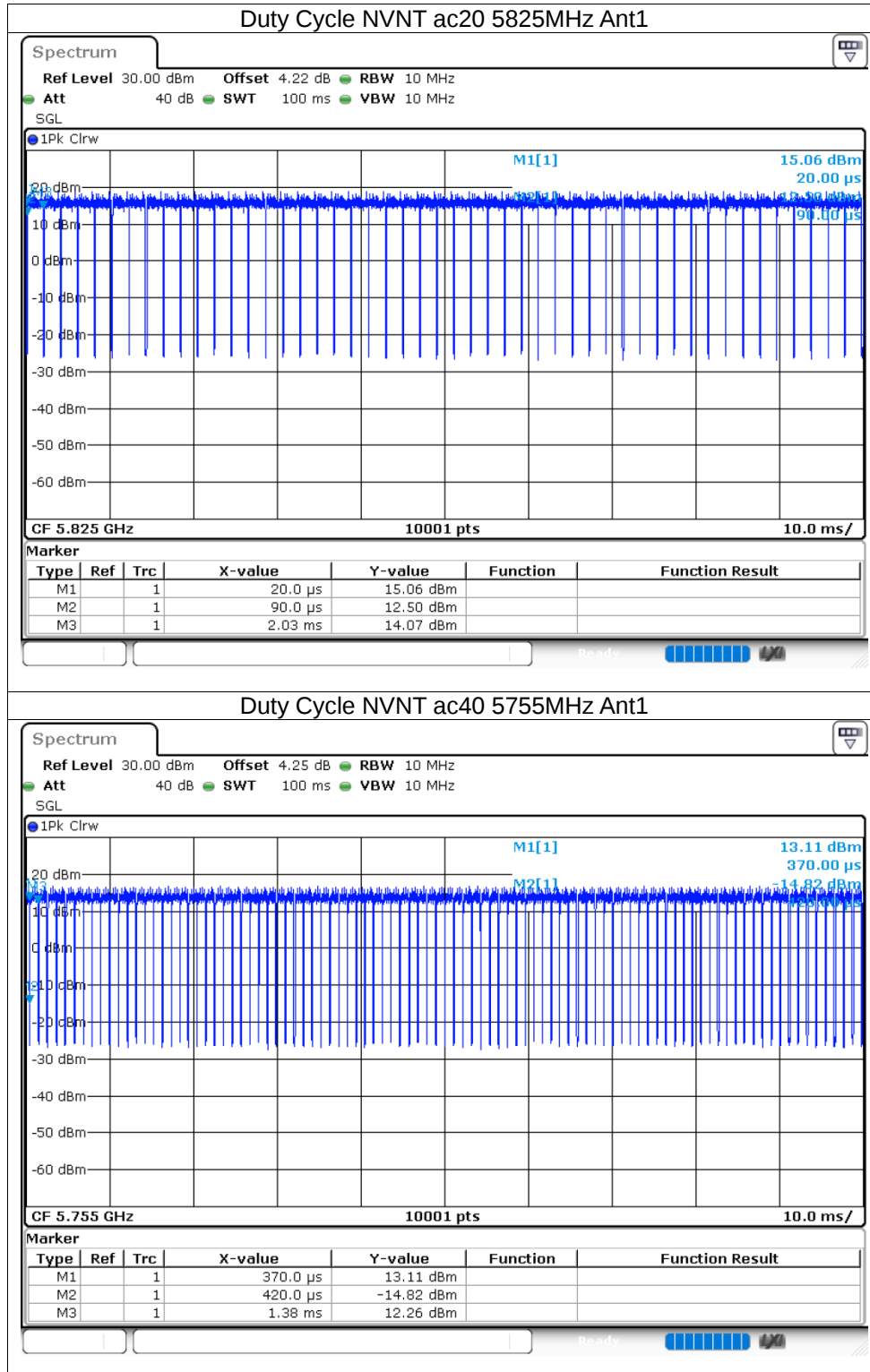
Ref Level 30.00 dBm Offset 4.24 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

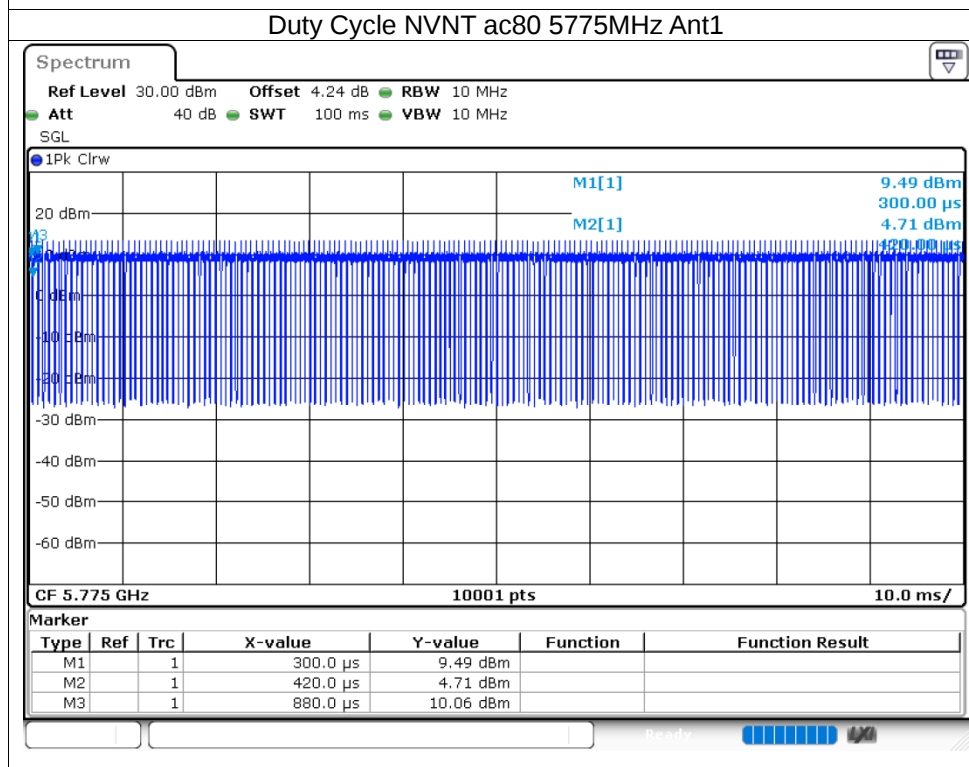
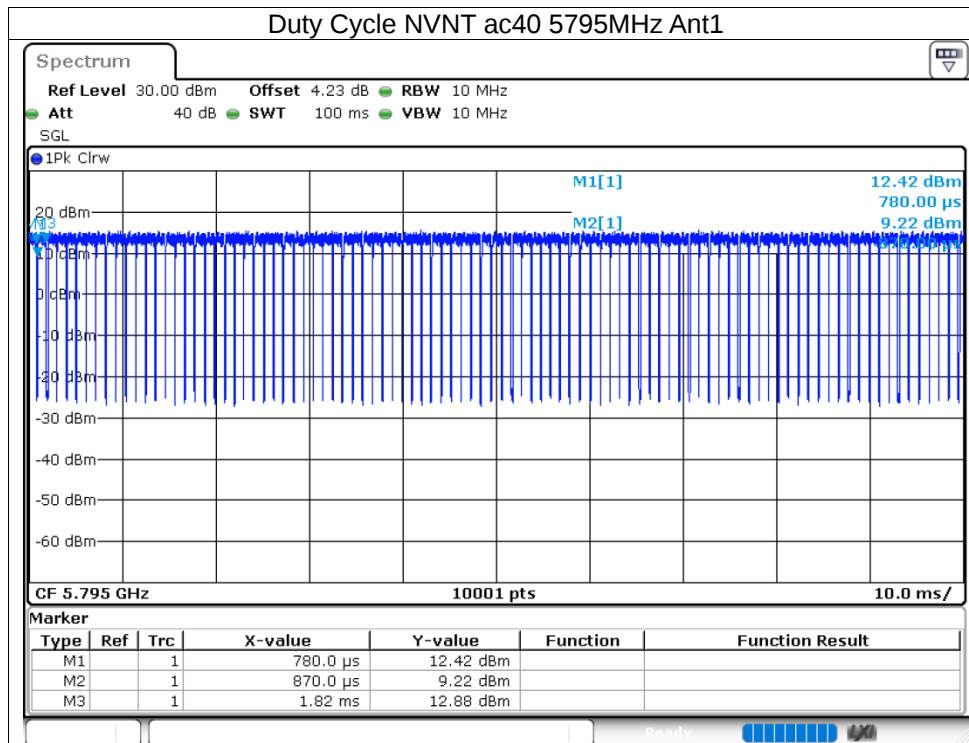
IPk Clrw



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		1.42 ms	14.93 dBm		
M2	1		1.58 ms	12.78 dBm		
M3	1		3.51 ms	14.21 dBm		





5.2.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.63	30	Pass
NVNT	a	5785	Ant1	12.03	30	Pass
NVNT	a	5825	Ant1	12.45	30	Pass
NVNT	n20	5745	Ant1	11.76	30	Pass
NVNT	n20	5785	Ant1	12.14	30	Pass
NVNT	n20	5825	Ant1	12.38	30	Pass
NVNT	n40	5755	Ant1	12.05	30	Pass
NVNT	n40	5795	Ant1	12.43	30	Pass
NVNT	ac20	5745	Ant1	11.71	30	Pass
NVNT	ac20	5785	Ant1	12.04	30	Pass
NVNT	ac20	5825	Ant1	12.37	30	Pass
NVNT	ac40	5755	Ant1	11.97	30	Pass
NVNT	ac40	5795	Ant1	12.47	30	Pass
NVNT	ac80	5775	Ant1	12.19	30	Pass

Note: The average power value already includes the duty cycle factor

5.2.3 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.521	0.5	Pass
NVNT	a	5785	Ant1	16.326	0.5	Pass
NVNT	a	5825	Ant1	16.356	0.5	Pass
NVNT	n20	5745	Ant1	17.277	0.5	Pass
NVNT	n20	5785	Ant1	17.55	0.5	Pass
NVNT	n20	5825	Ant1	17.571	0.5	Pass
NVNT	n40	5755	Ant1	35.148	0.5	Pass
NVNT	n40	5795	Ant1	35.55	0.5	Pass
NVNT	ac20	5745	Ant1	17.625	0.5	Pass
NVNT	ac20	5785	Ant1	16.68	0.5	Pass
NVNT	ac20	5825	Ant1	17.559	0.5	Pass
NVNT	ac40	5755	Ant1	35.922	0.5	Pass
NVNT	ac40	5795	Ant1	35.274	0.5	Pass
NVNT	ac80	5775	Ant1	75.072	0.5	Pass

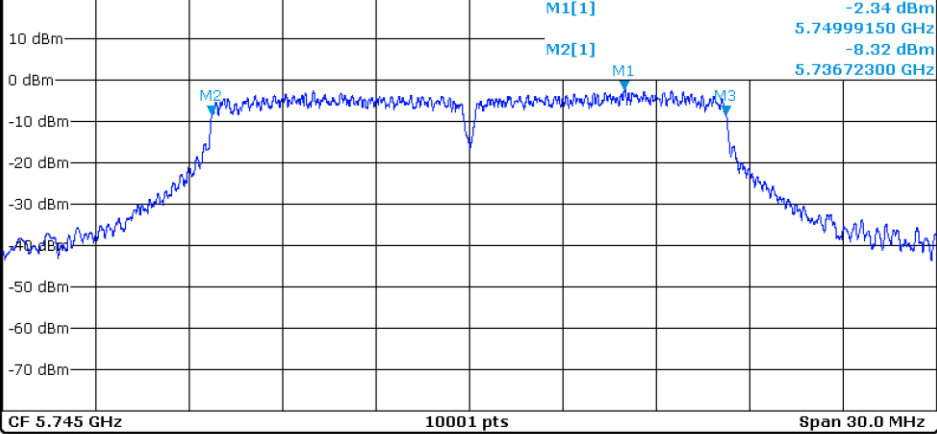
Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.25 dB RBW 100 kHz
Att 30 dB SWT 75.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

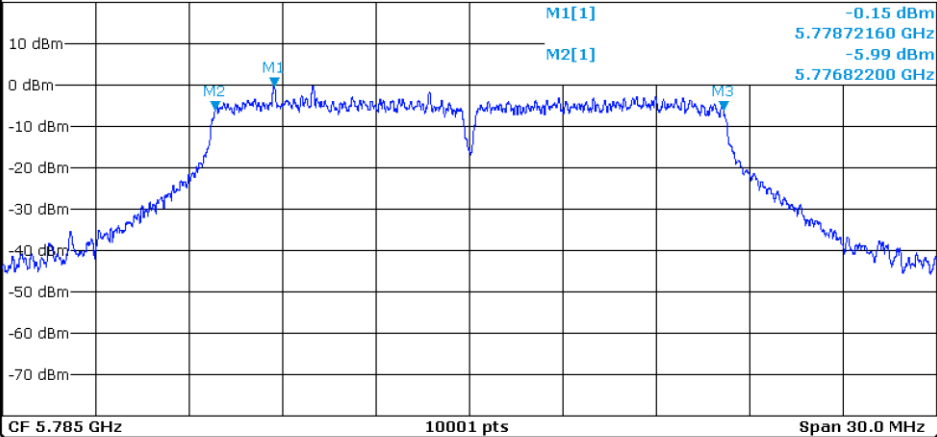
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.7499915 GHz	-2.34 dBm		
M2	1		5.736723 GHz	-8.32 dBm		
M3	1		5.736723 GHz	-8.24 dBm		

-6dB Bandwidth NVNT a 5785MHz Ant1

Spectrum

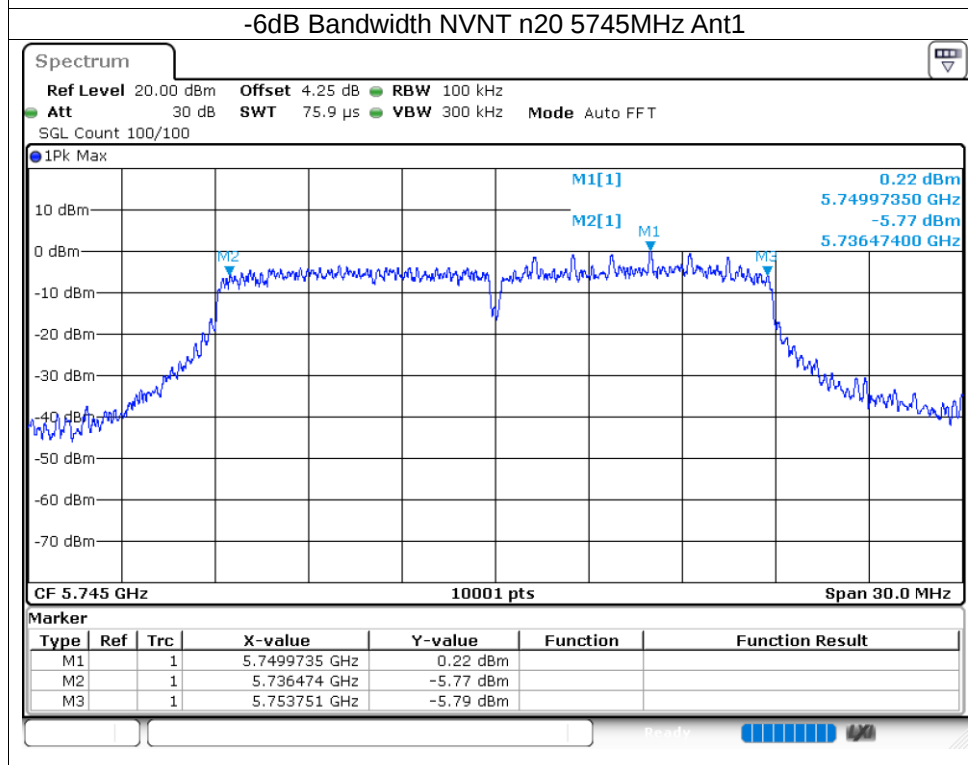
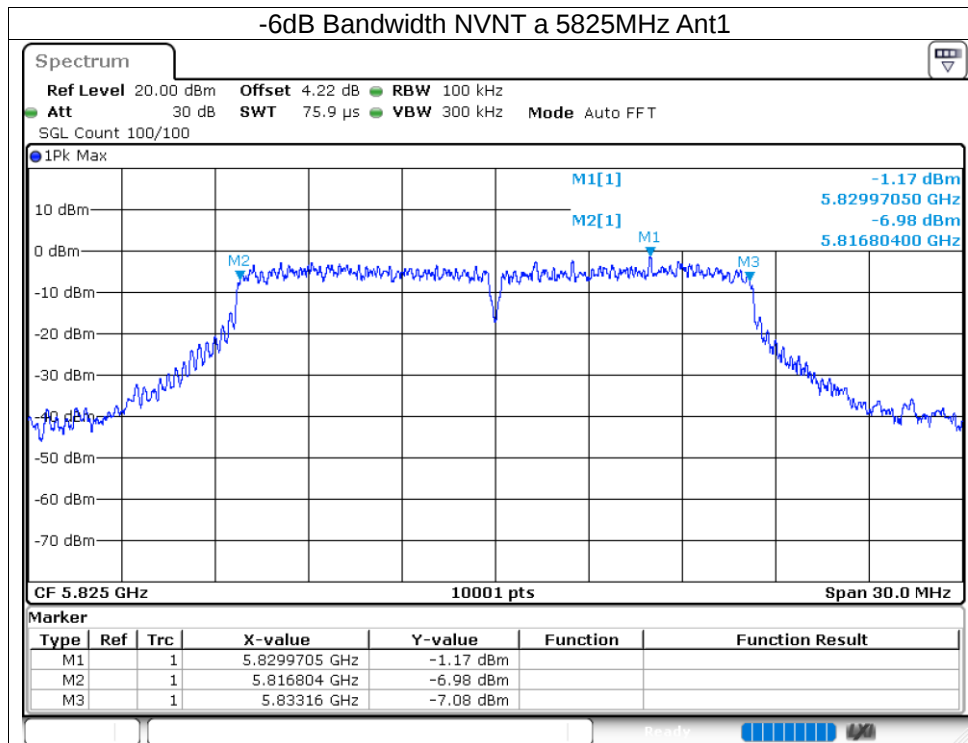
Ref Level 20.00 dBm Offset 4.24 dB RBW 100 kHz
Att 30 dB SWT 75.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

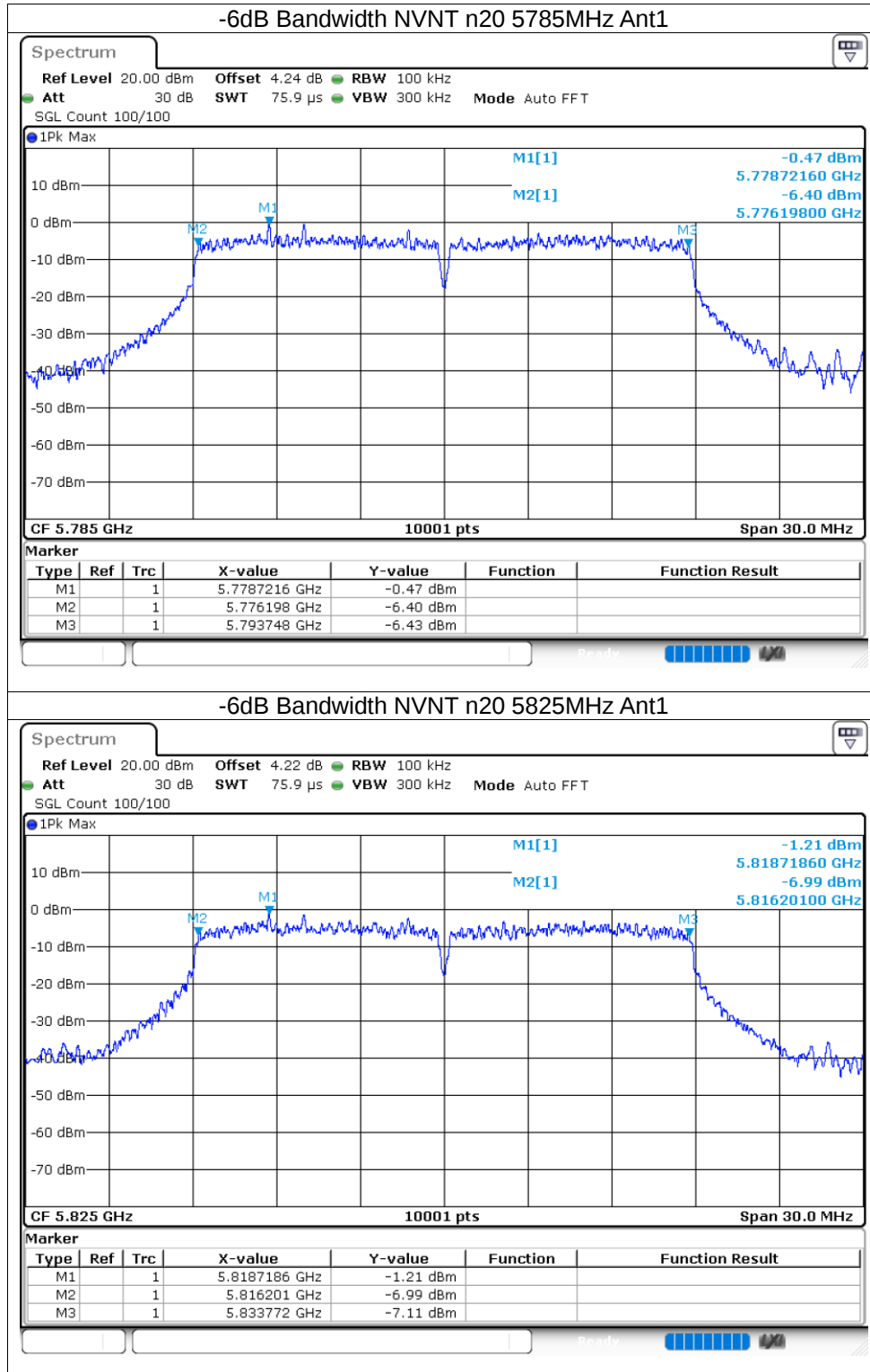
1Pk Max

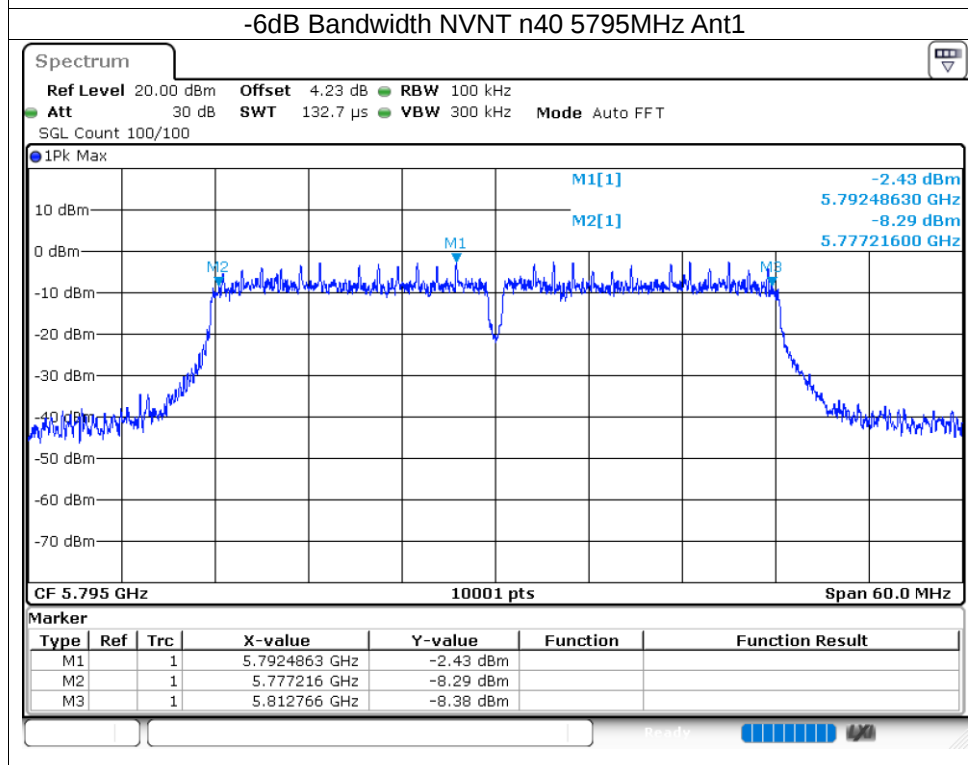
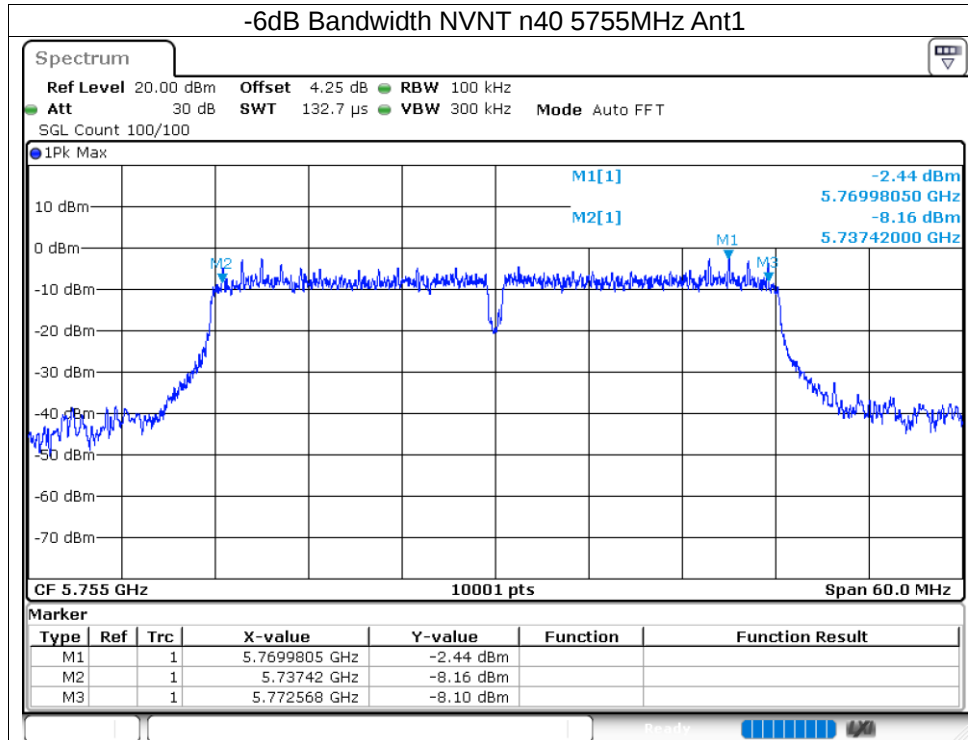


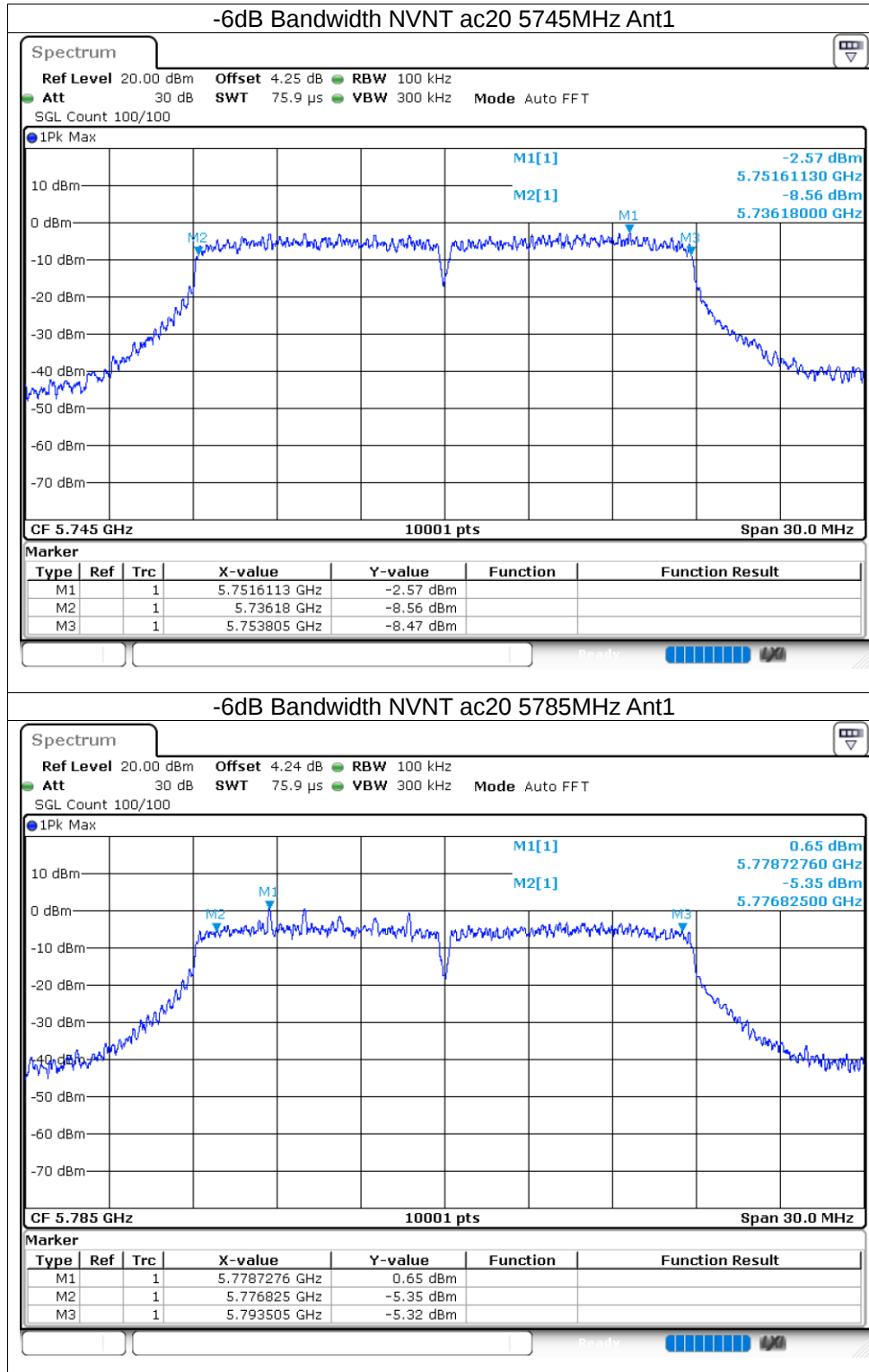
Marker

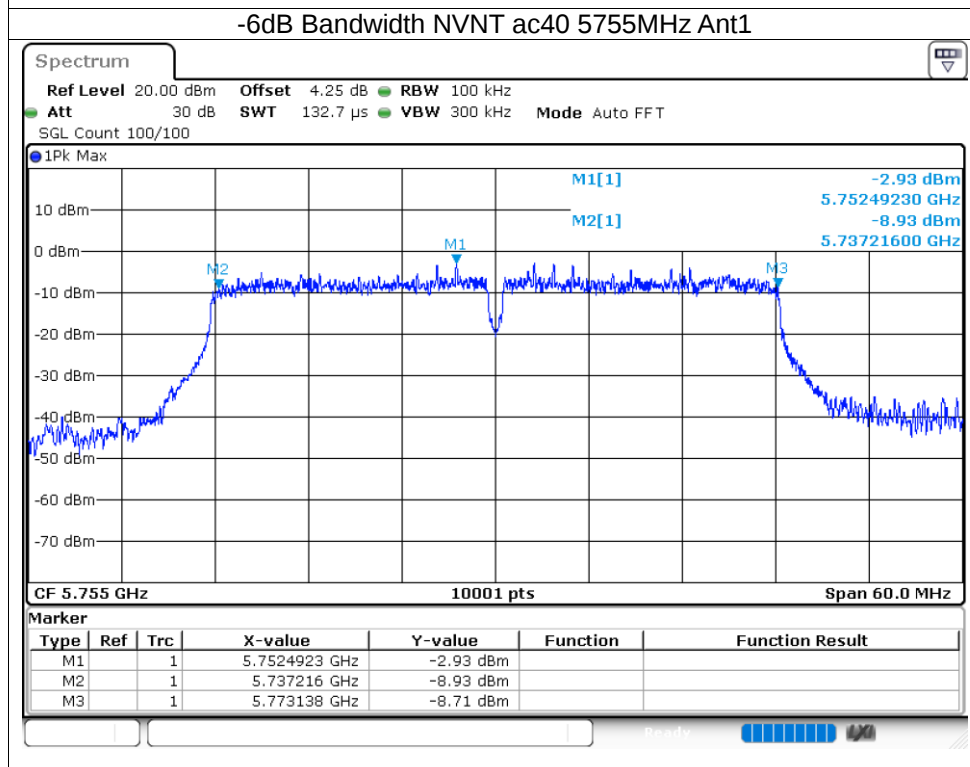
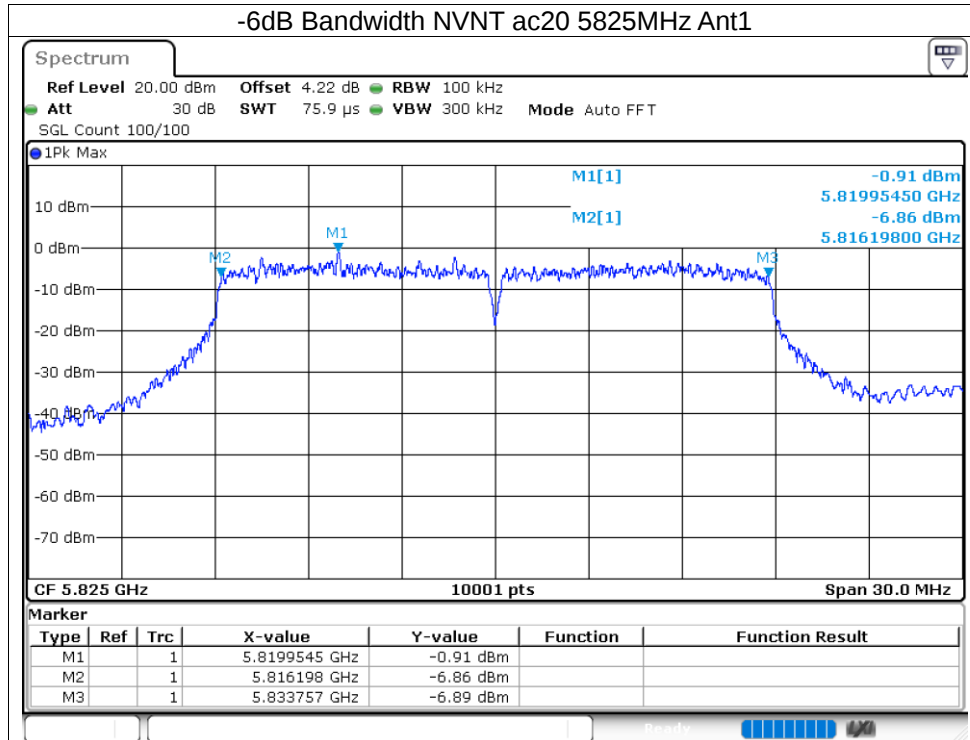
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.7787216 GHz	-0.15 dBm		
M2	1		5.776822 GHz	-5.99 dBm		
M3	1		5.793148 GHz	-6.03 dBm		

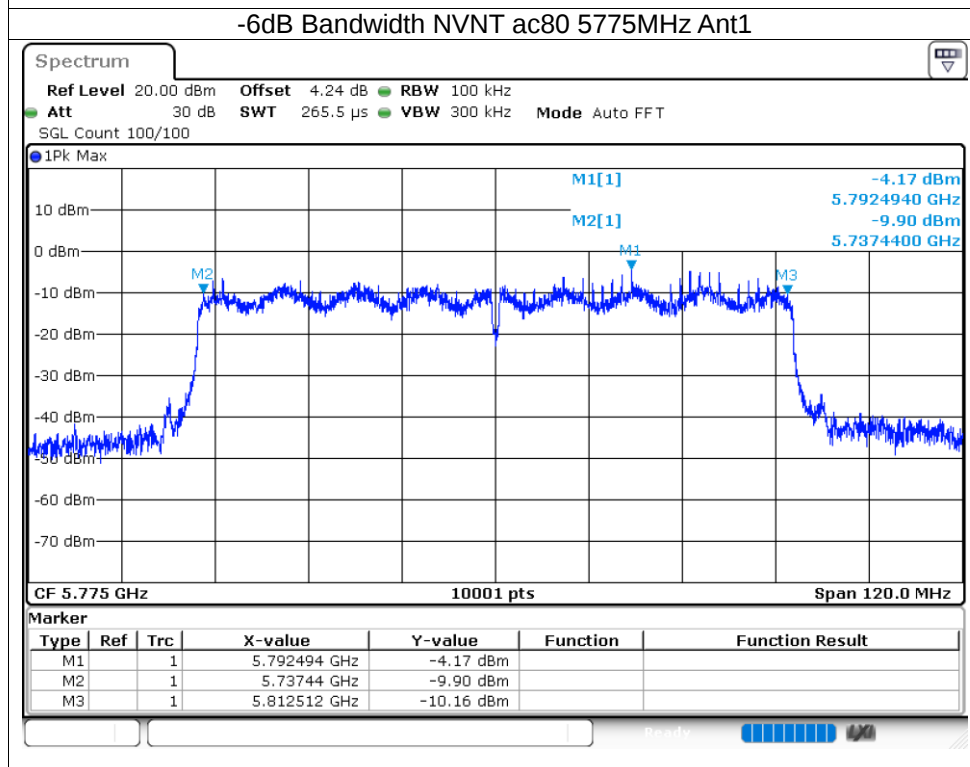
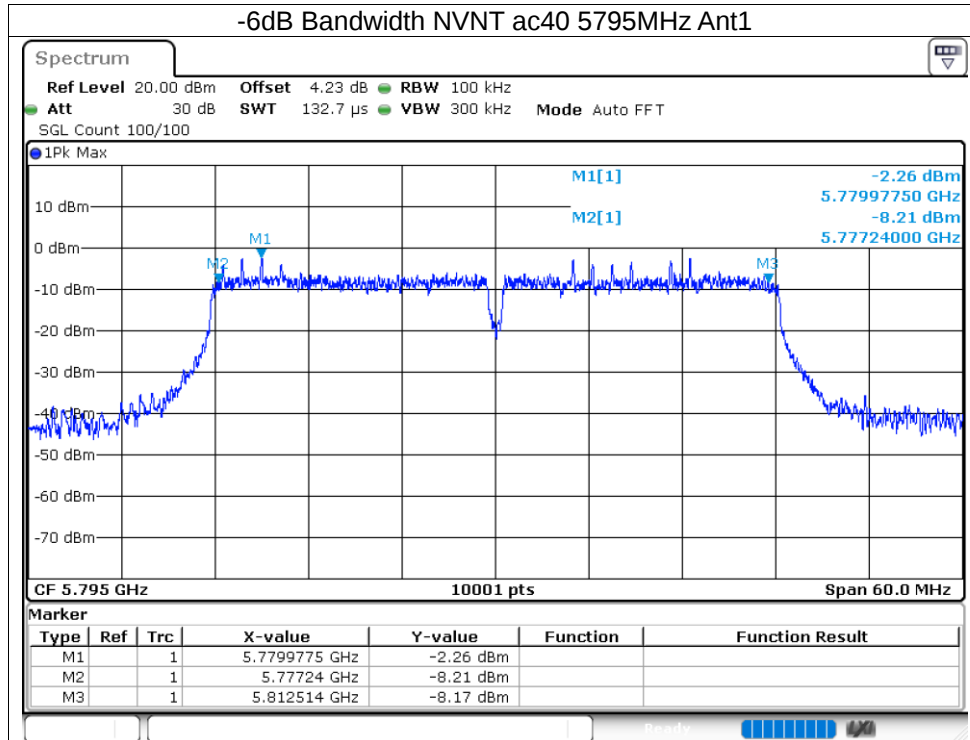












5.2.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.513
NVNT	a	5785	Ant1	16.594
NVNT	a	5825	Ant1	16.51
NVNT	n20	5745	Ant1	17.635
NVNT	n20	5785	Ant1	17.758
NVNT	n20	5825	Ant1	17.671
NVNT	n40	5755	Ant1	36.242
NVNT	n40	5795	Ant1	36.356
NVNT	ac20	5745	Ant1	17.731
NVNT	ac20	5785	Ant1	17.641
NVNT	ac20	5825	Ant1	17.605
NVNT	ac40	5755	Ant1	36.368
NVNT	ac40	5795	Ant1	36.386
NVNT	ac80	5775	Ant1	75.292

