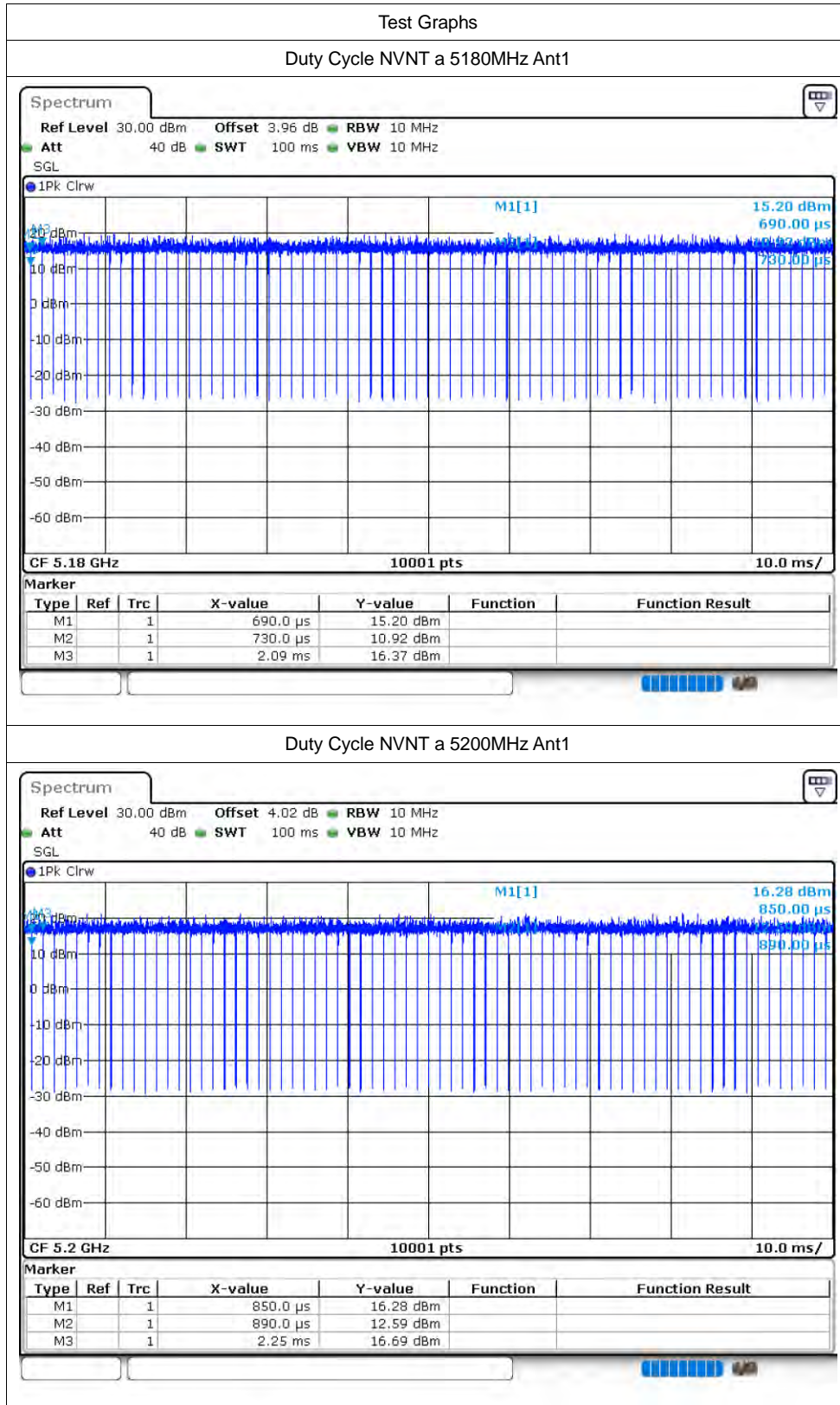
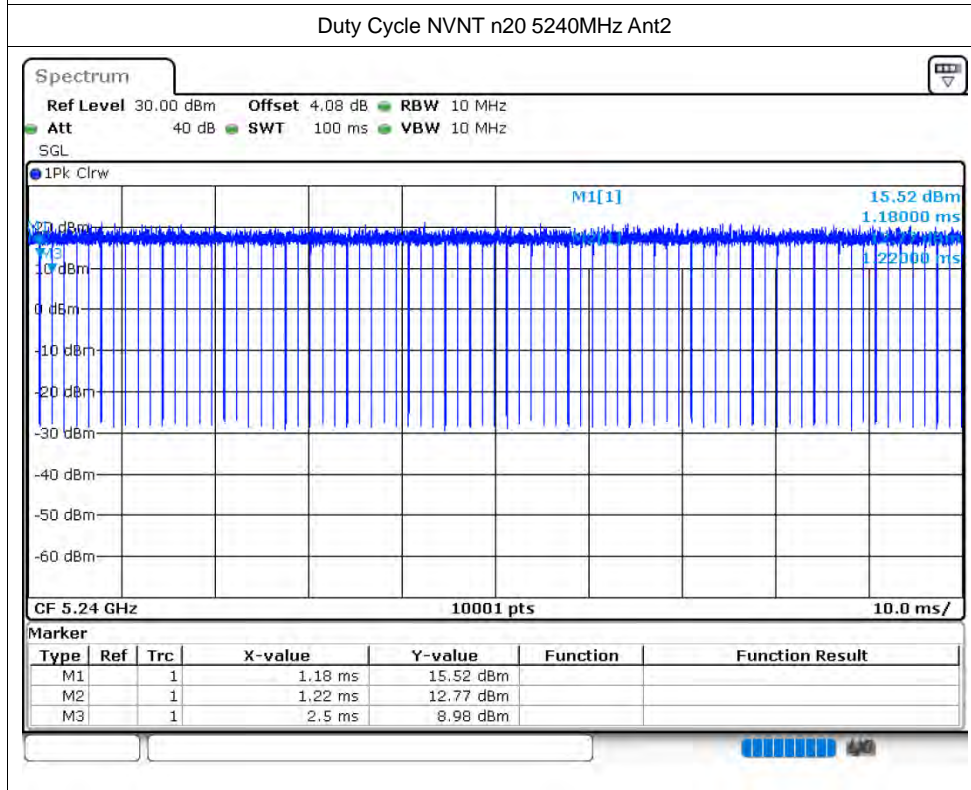
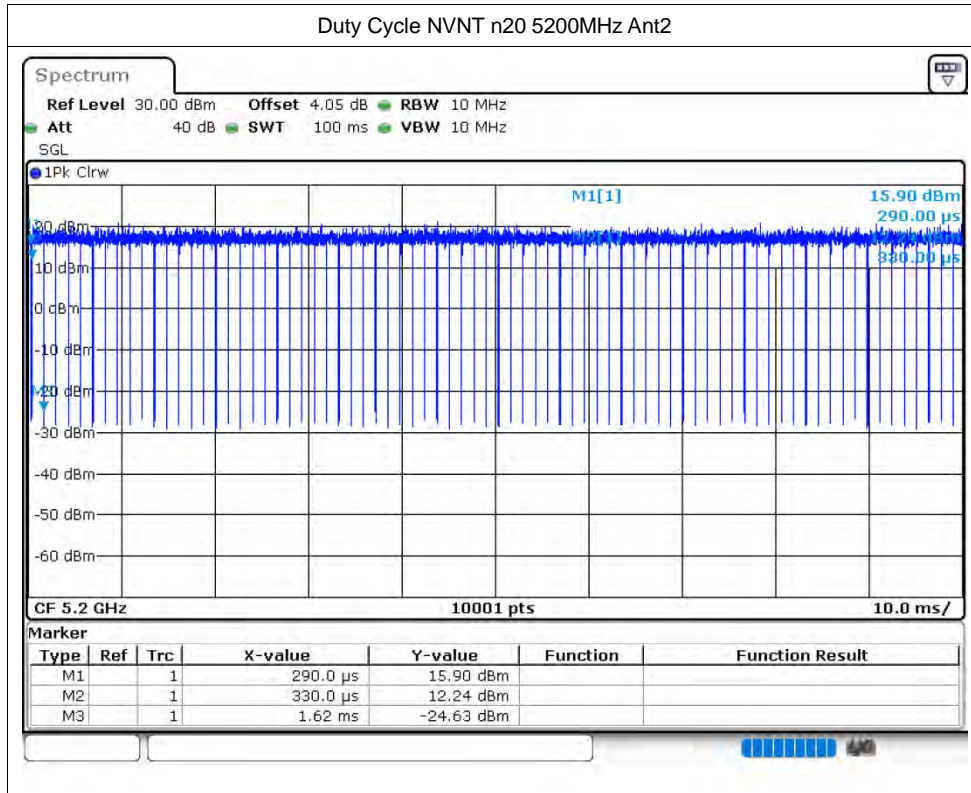


5.2G:

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.58	0.11	0.74
NVNT	a	5200	Ant1	97.58	0.11	0.74
NVNT	a	5240	Ant1	97.58	0.11	0.74
NVNT	a	5180	Ant2	97.57	0.11	0.74
NVNT	a	5200	Ant2	97.58	0.11	0.74
NVNT	a	5240	Ant2	97.62	0.1	0.74
NVNT	n20	5180	Ant1	97.42	0.11	0.78
NVNT	n20	5200	Ant1	97.39	0.11	0.79
NVNT	n20	5240	Ant1	97.4	0.11	0.79
NVNT	n20	5180	Ant2	97.4	0.11	0.79
NVNT	n20	5200	Ant2	97.48	0.11	0.78
NVNT	n20	5240	Ant2	97.43	0.11	0.78
NVNT	n40	5190	Ant1	96.69	0.15	1.59
NVNT	n40	5230	Ant1	96.68	0.15	1.59
NVNT	n40	5190	Ant2	96.74	0.14	1.59
NVNT	n40	5230	Ant2	96.71	0.15	1.56





Maximum Conducted Output Power

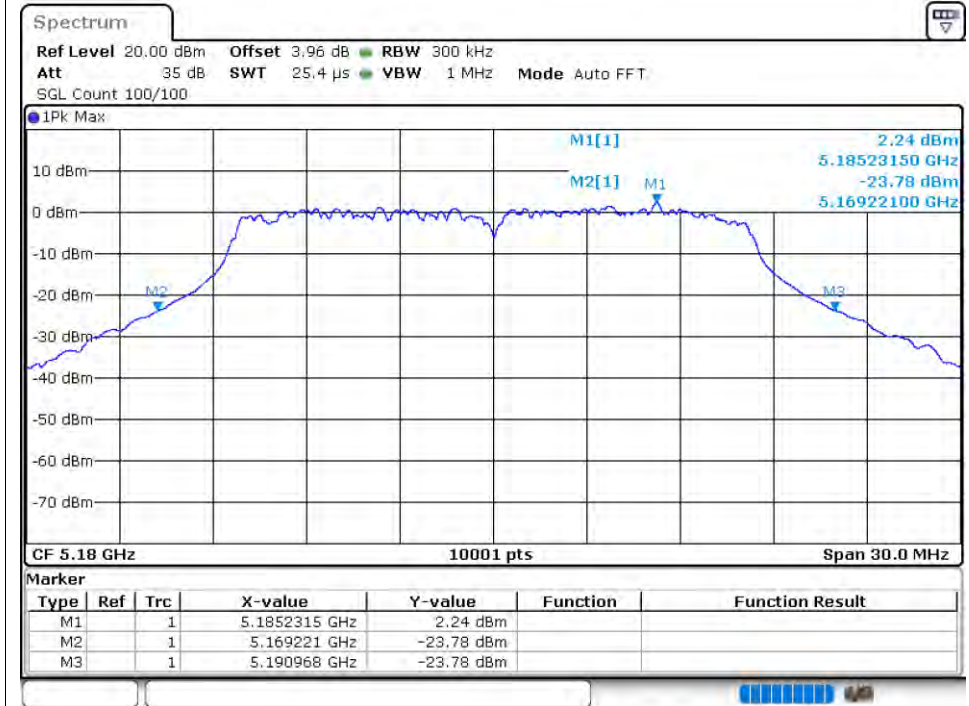
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.05	24	Pass
NVNT	a	5200	Ant1	13.24	24	Pass
NVNT	a	5240	Ant1	13.32	24	Pass
NVNT	a	5180	Ant2	13.43	24	Pass
NVNT	a	5200	Ant2	13.37	24	Pass
NVNT	a	5240	Ant2	13.59	24	Pass
NVNT	n20	5180	Ant1	12.88	24	Pass
NVNT	n20	5200	Ant1	13.23	24	Pass
NVNT	n20	5240	Ant1	13.14	24	Pass
NVNT	n20	5180	Ant2	13.14	24	Pass
NVNT	n20	5200	Ant2	13.33	24	Pass
NVNT	n20	5240	Ant2	13.55	24	Pass
NVNT	n40	5190	Ant1	13.18	24	Pass
NVNT	n40	5230	Ant1	13.31	24	Pass
NVNT	n40	5190	Ant2	13.53	24	Pass
NVNT	n40	5230	Ant2	13.96	24	Pass

-26dB Bandwidth

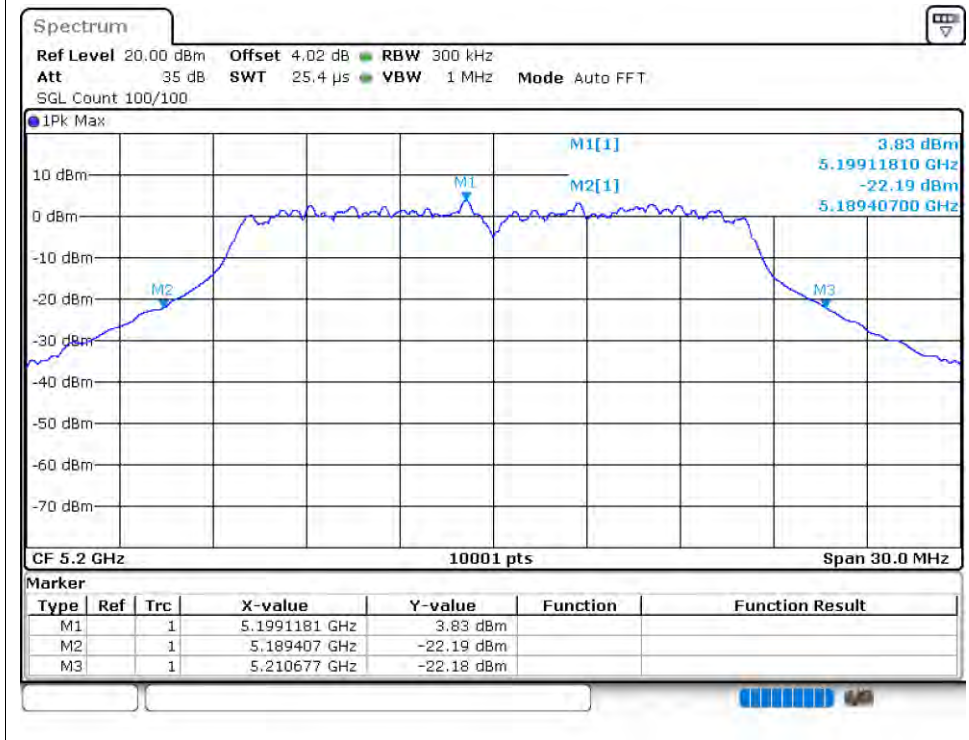
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	21.747	Pass
NVNT	a	5200	Ant1	21.27	Pass
NVNT	a	5240	Ant1	21.36	Pass
NVNT	a	5180	Ant2	20.796	Pass
NVNT	a	5200	Ant2	21.669	Pass
NVNT	a	5240	Ant2	21.135	Pass
NVNT	n20	5180	Ant1	22.089	Pass
NVNT	n20	5200	Ant1	21.699	Pass
NVNT	n20	5240	Ant1	21.417	Pass
NVNT	n20	5180	Ant2	22.452	Pass
NVNT	n20	5200	Ant2	21.603	Pass
NVNT	n20	5240	Ant2	21.768	Pass
NVNT	n40	5190	Ant1	47.124	Pass
NVNT	n40	5230	Ant1	46.356	Pass
NVNT	n40	5190	Ant2	47.4	Pass
NVNT	n40	5230	Ant2	46.992	Pass

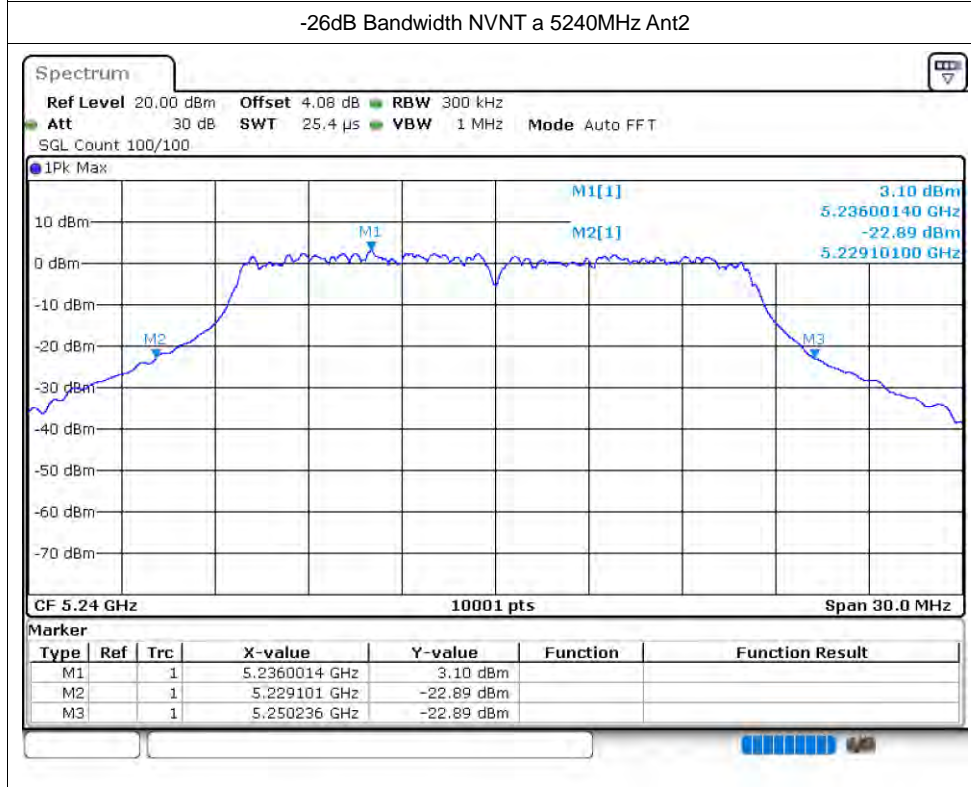
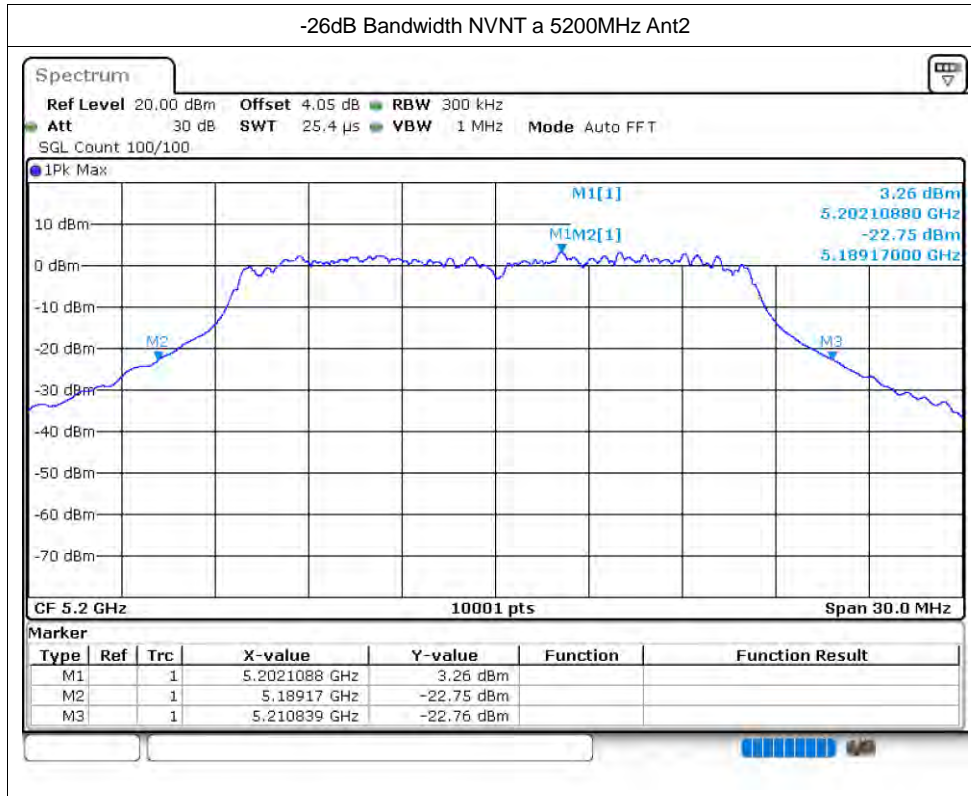
Test Graphs

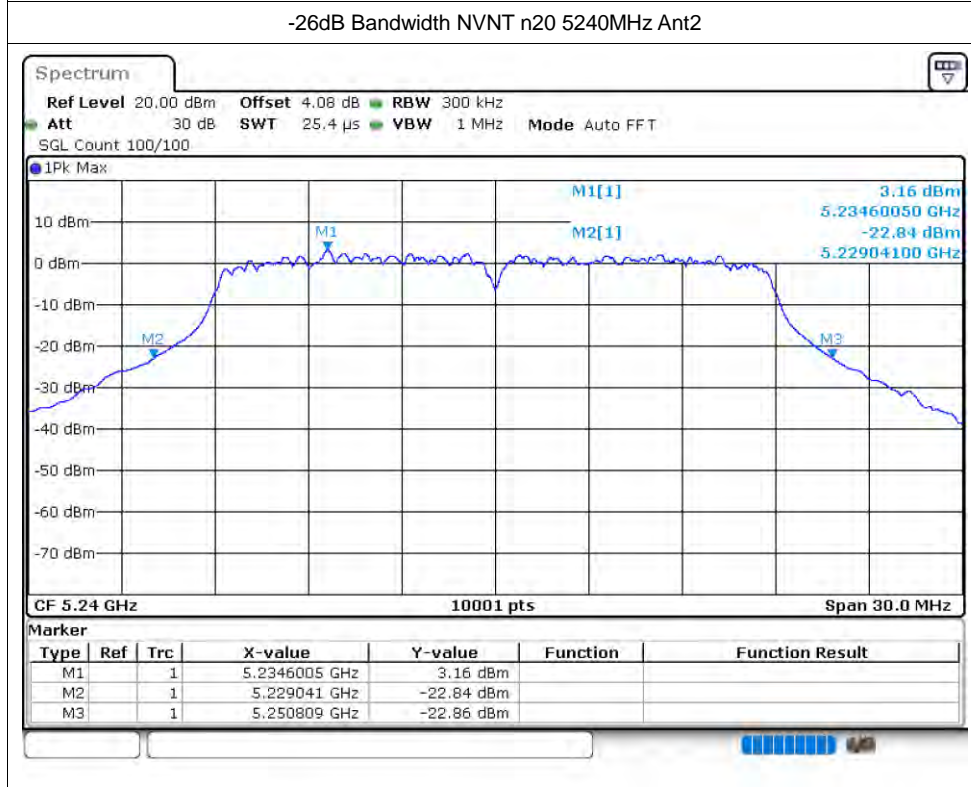
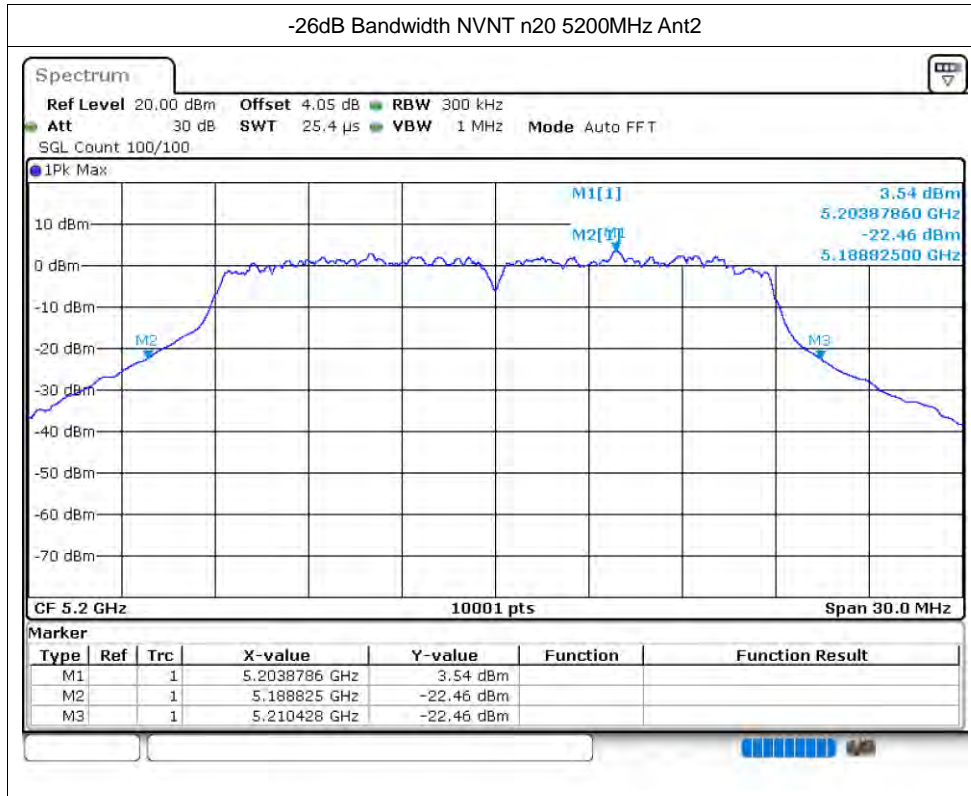
-26dB Bandwidth NVNT a 5180MHz Ant1

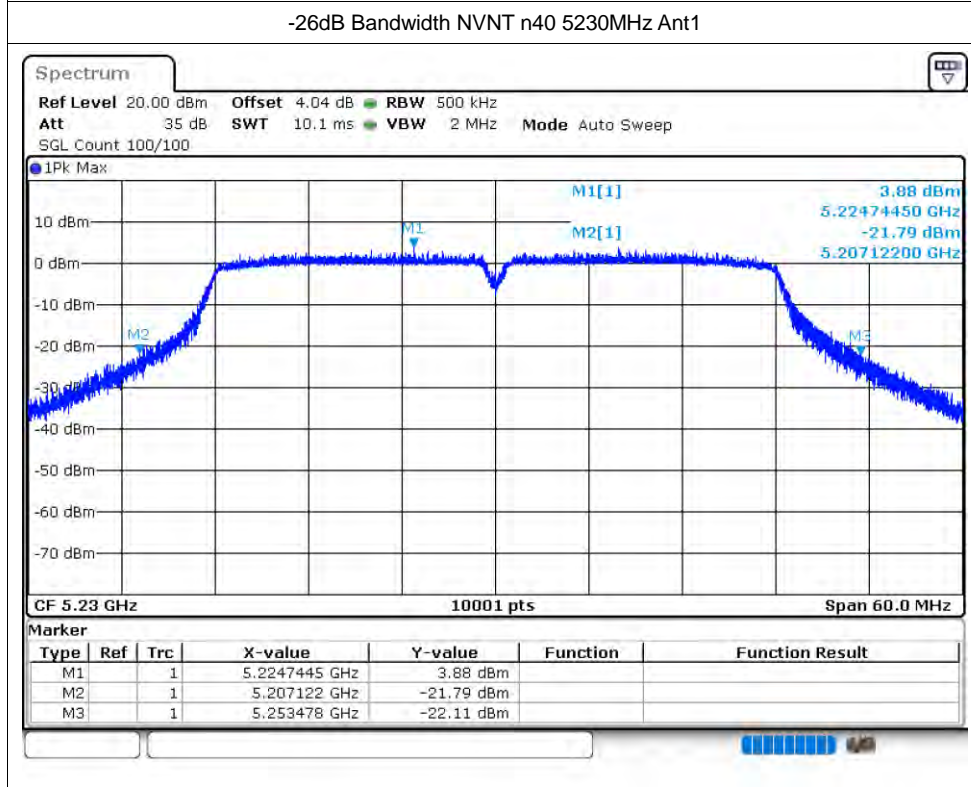
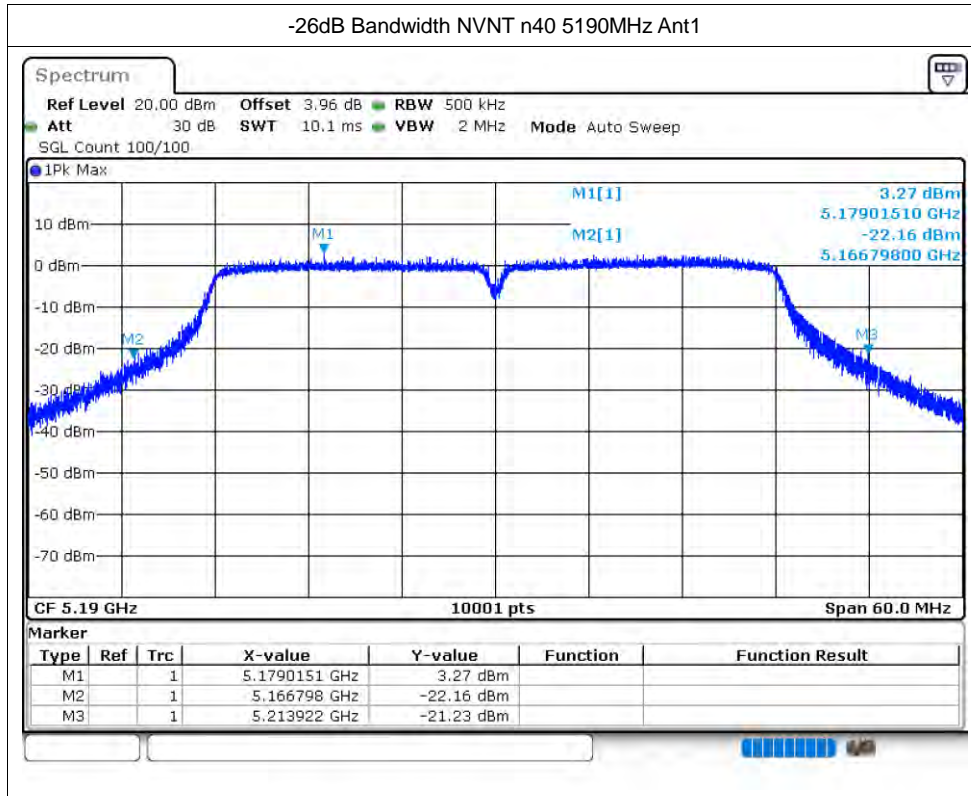


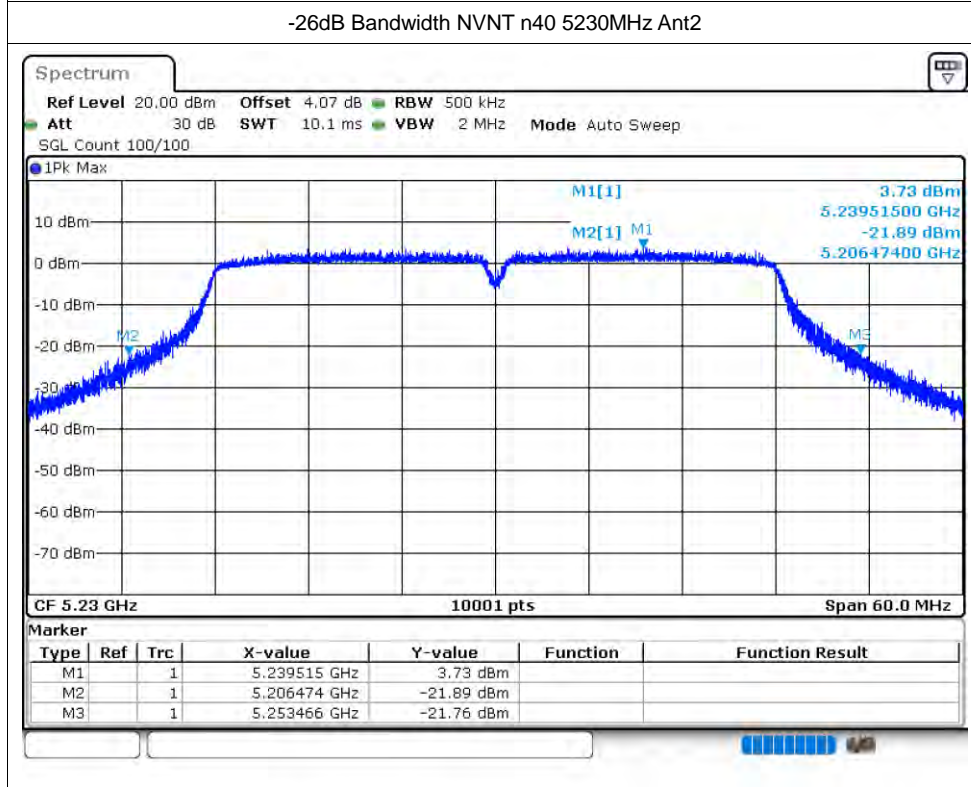
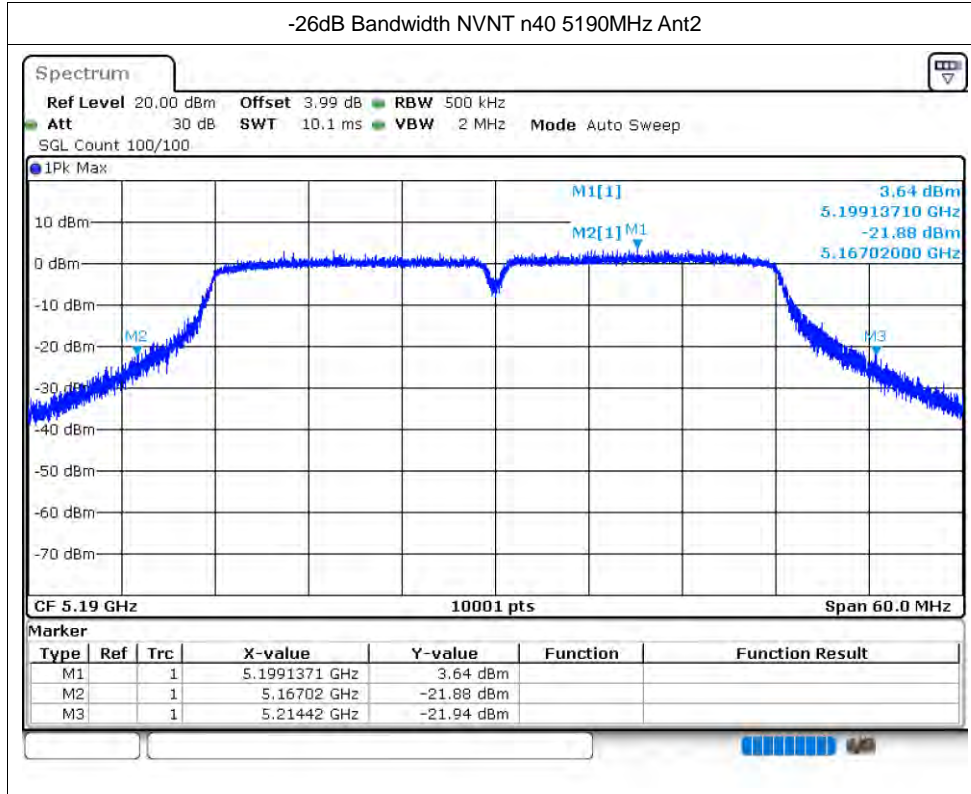
-26dB Bandwidth NVNT a 5200MHz Ant1









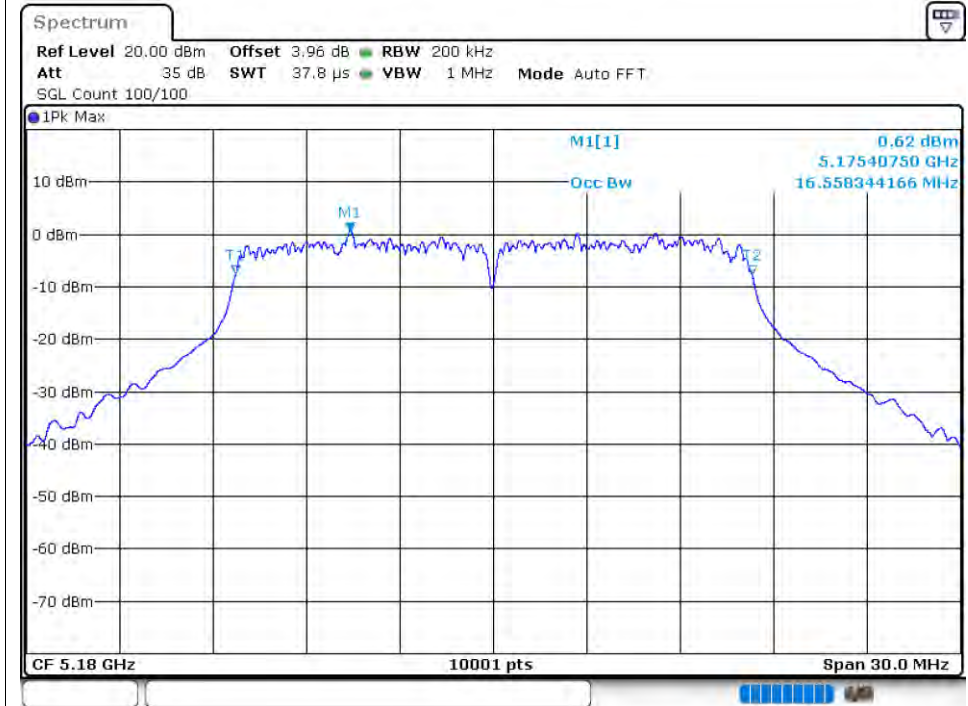


Occupied Channel Bandwidth

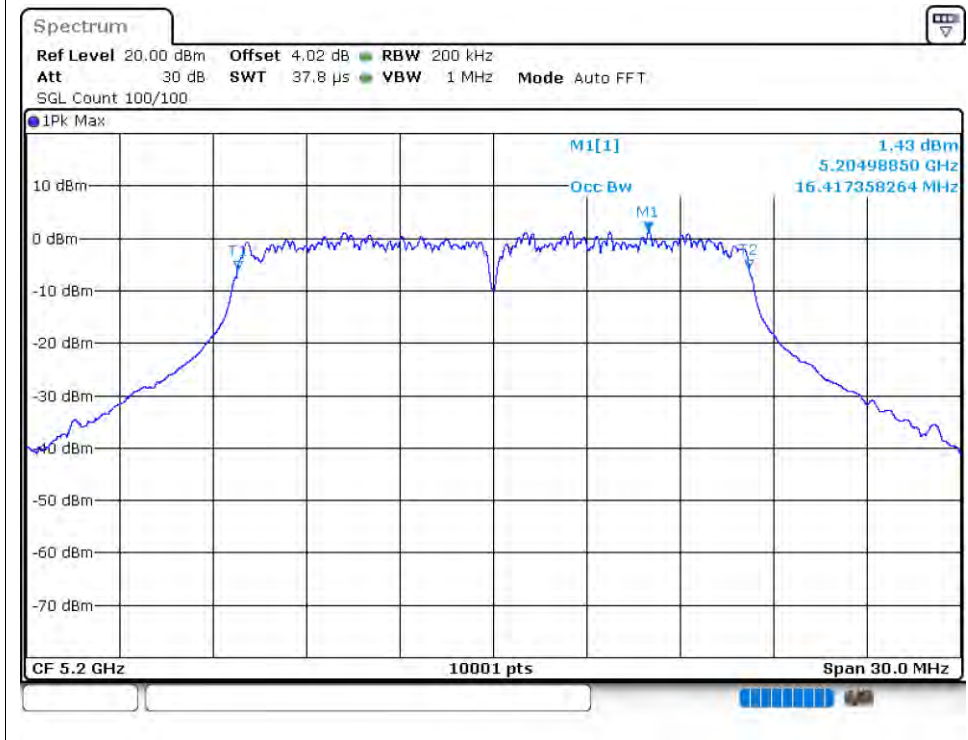
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.558
NVNT	a	5200	Ant1	16.417
NVNT	a	5240	Ant1	16.525
NVNT	a	5180	Ant2	16.501
NVNT	a	5200	Ant2	16.543
NVNT	a	5240	Ant2	16.513
NVNT	n20	5180	Ant1	17.644
NVNT	n20	5200	Ant1	17.704
NVNT	n20	5240	Ant1	17.641
NVNT	n20	5180	Ant2	17.884
NVNT	n20	5200	Ant2	17.674
NVNT	n20	5240	Ant2	17.614
NVNT	n40	5190	Ant1	36.668
NVNT	n40	5230	Ant1	36.56
NVNT	n40	5190	Ant2	36.59
NVNT	n40	5230	Ant2	36.548

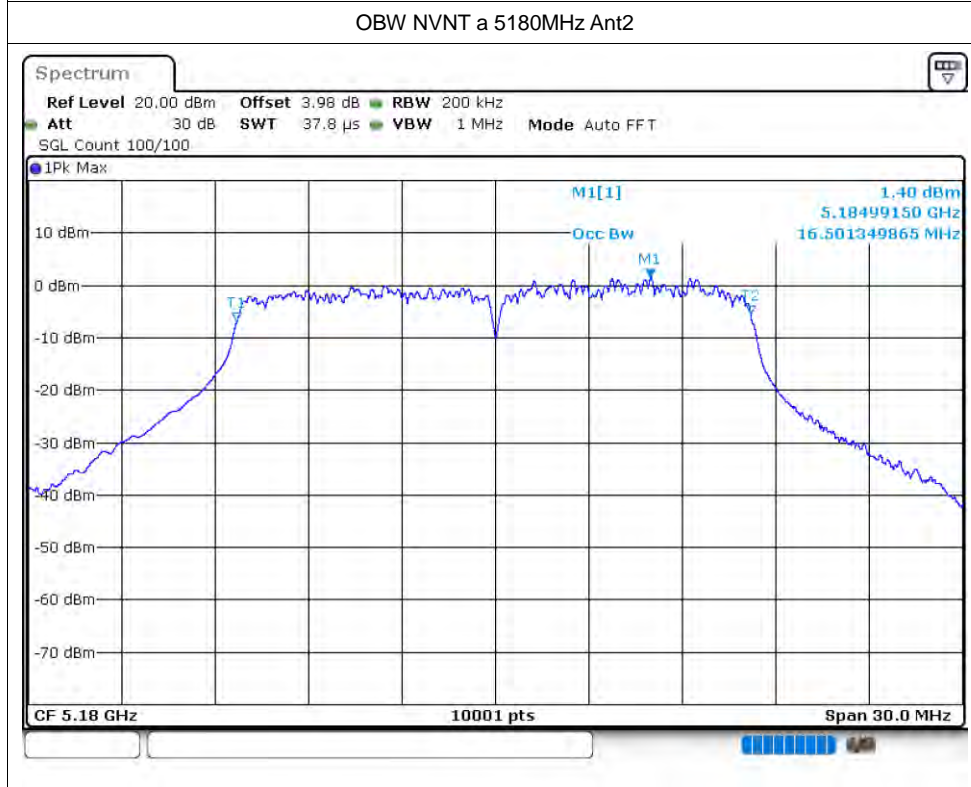
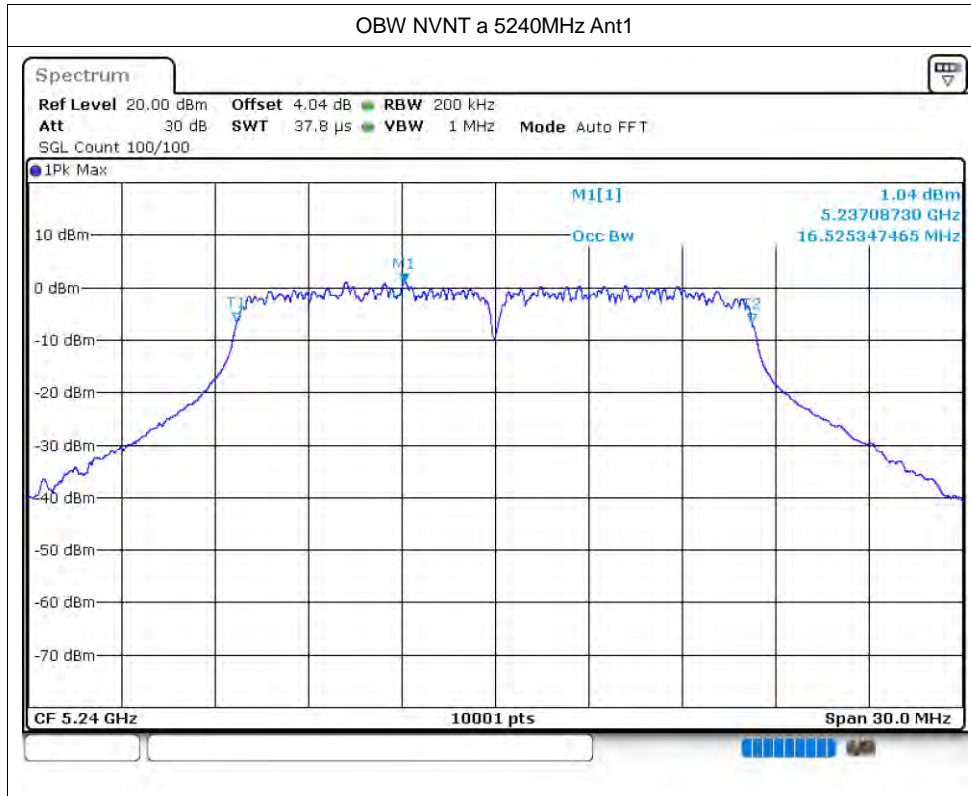
Test Graphs

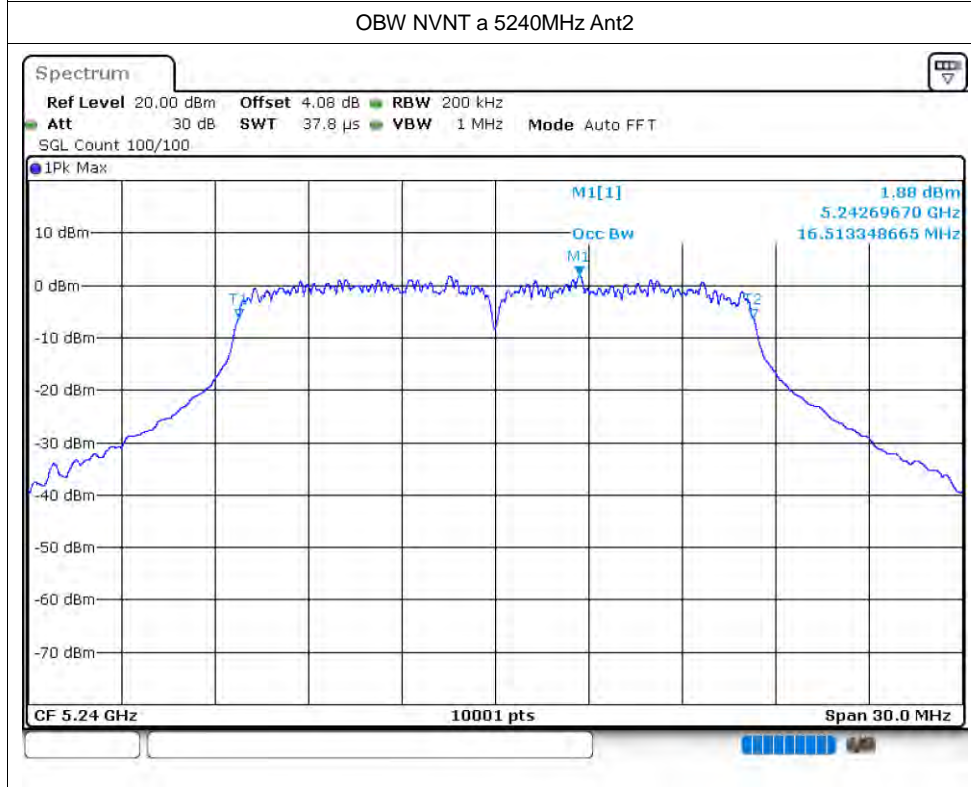
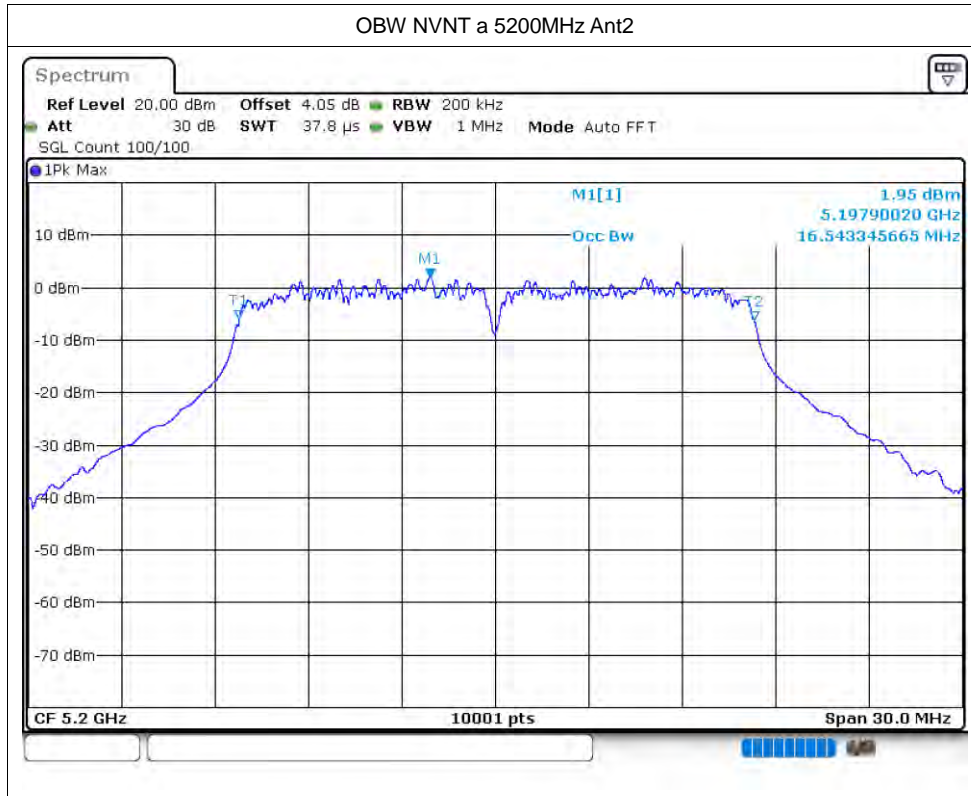
OBW NVNT a 5180MHz Ant1

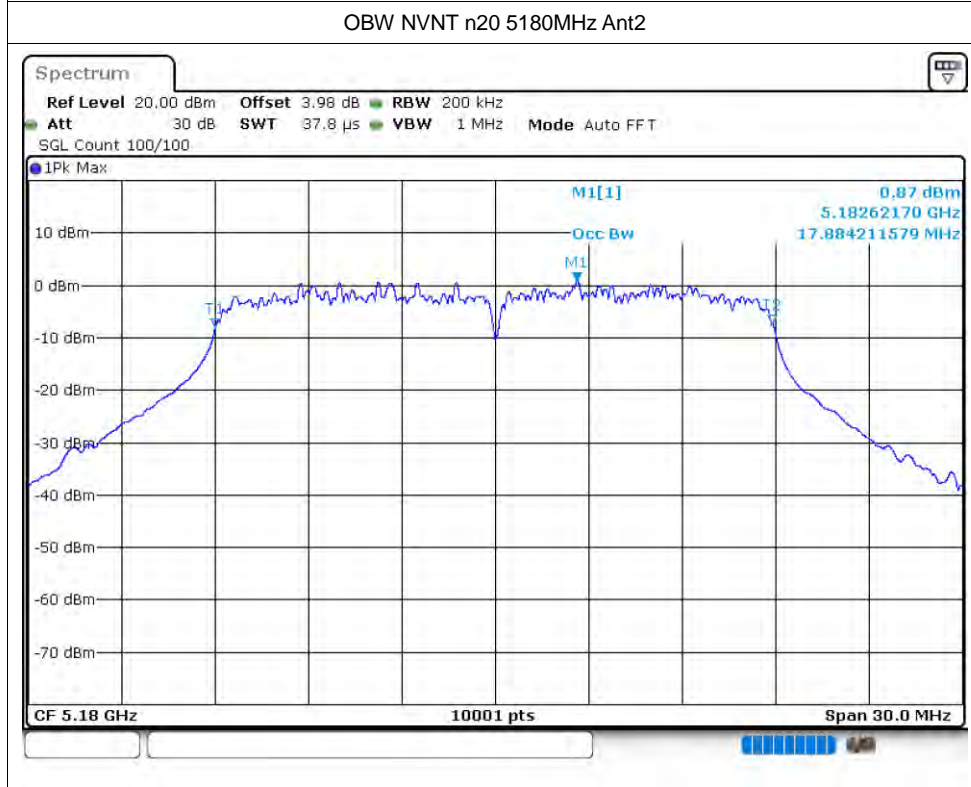
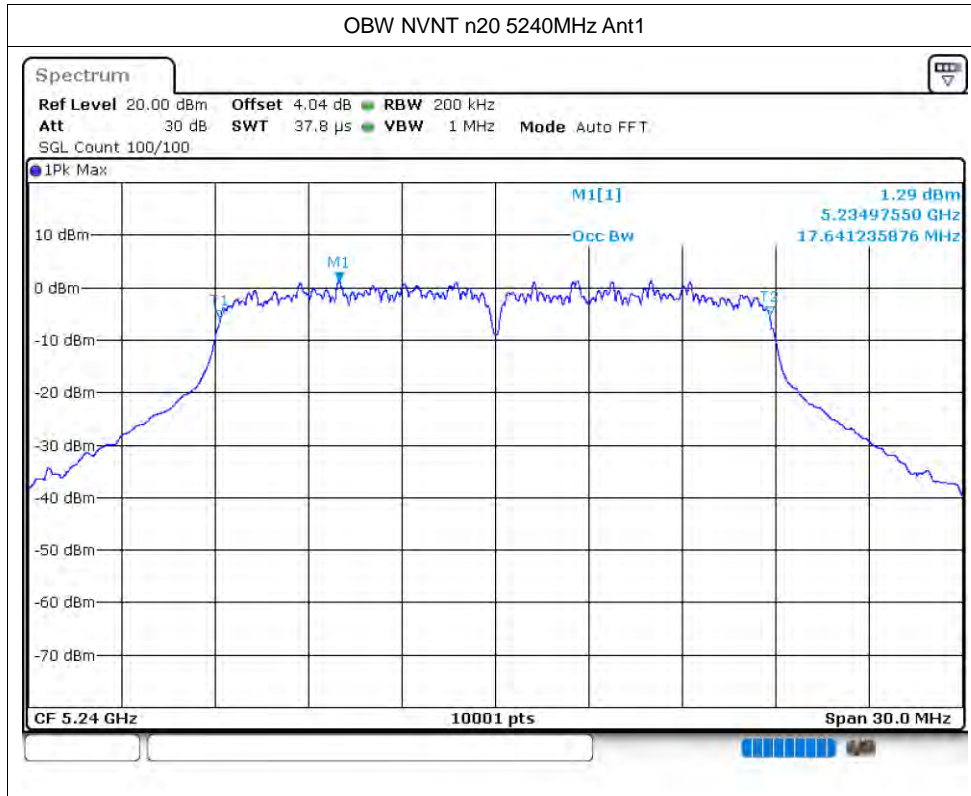


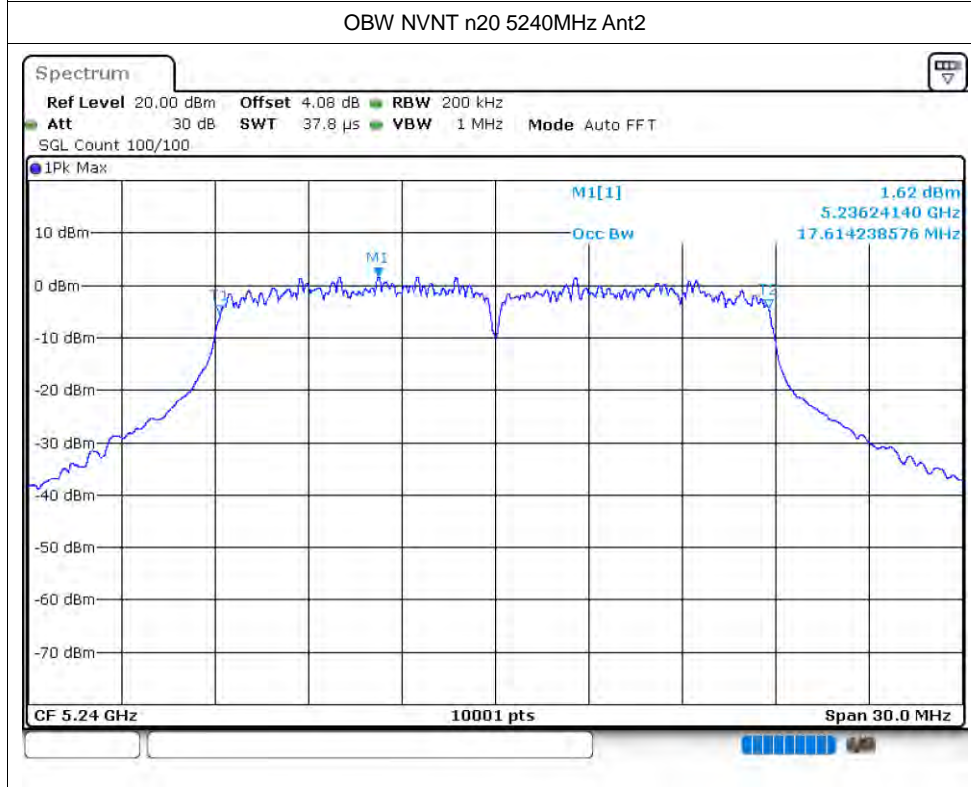
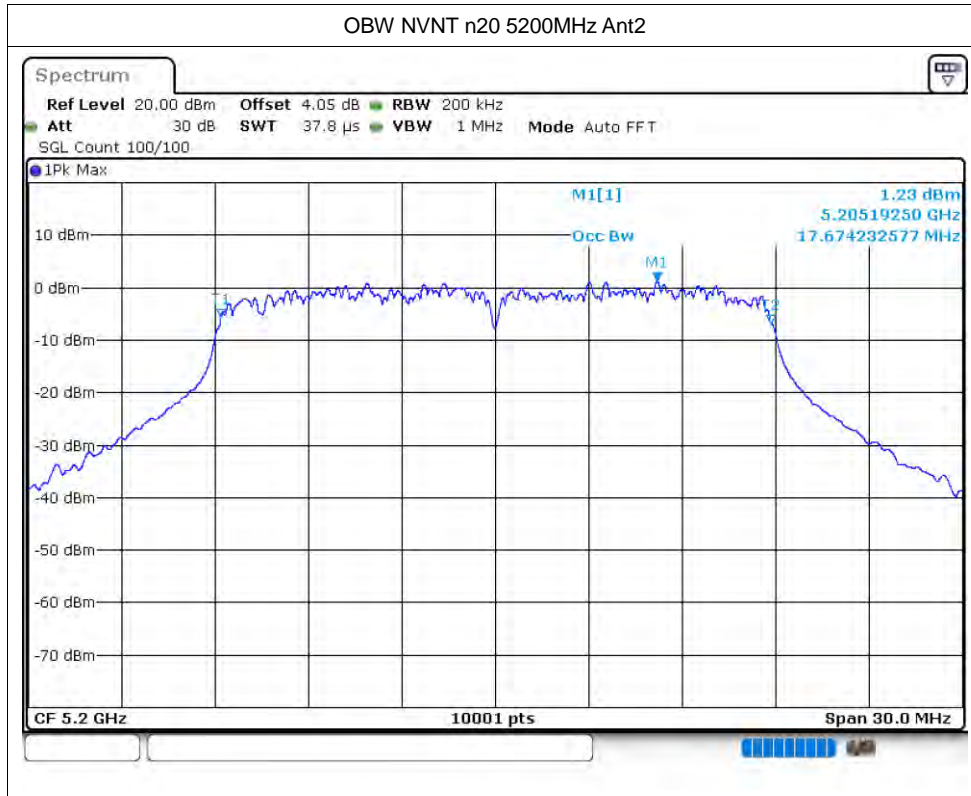
OBW NVNT a 5200MHz Ant1

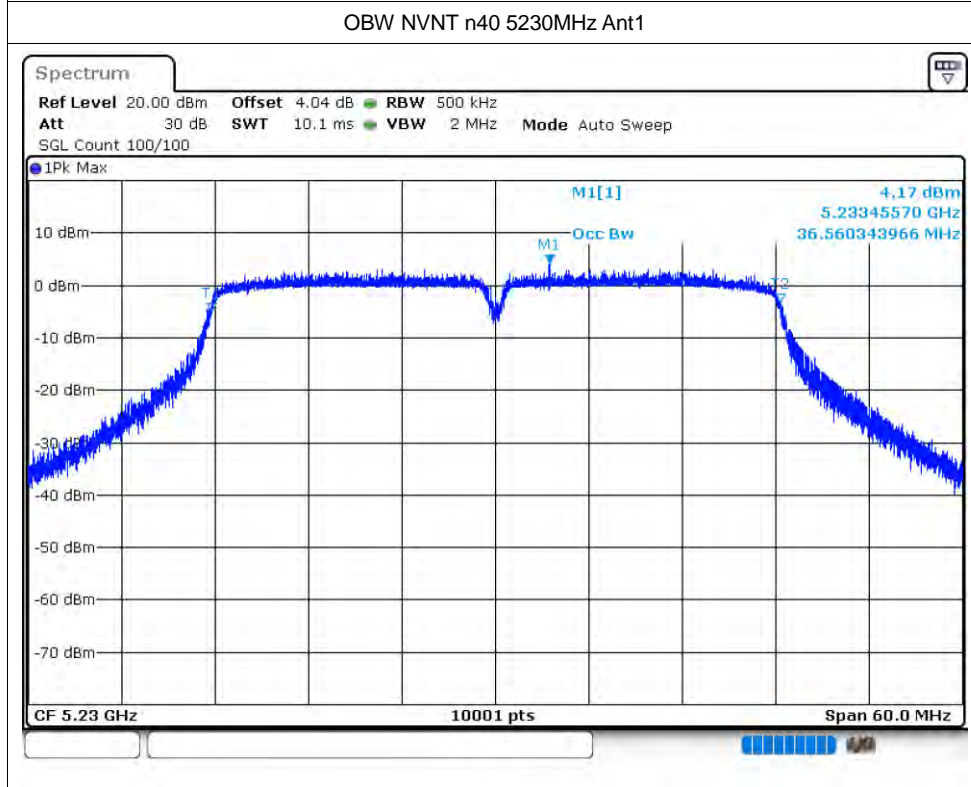
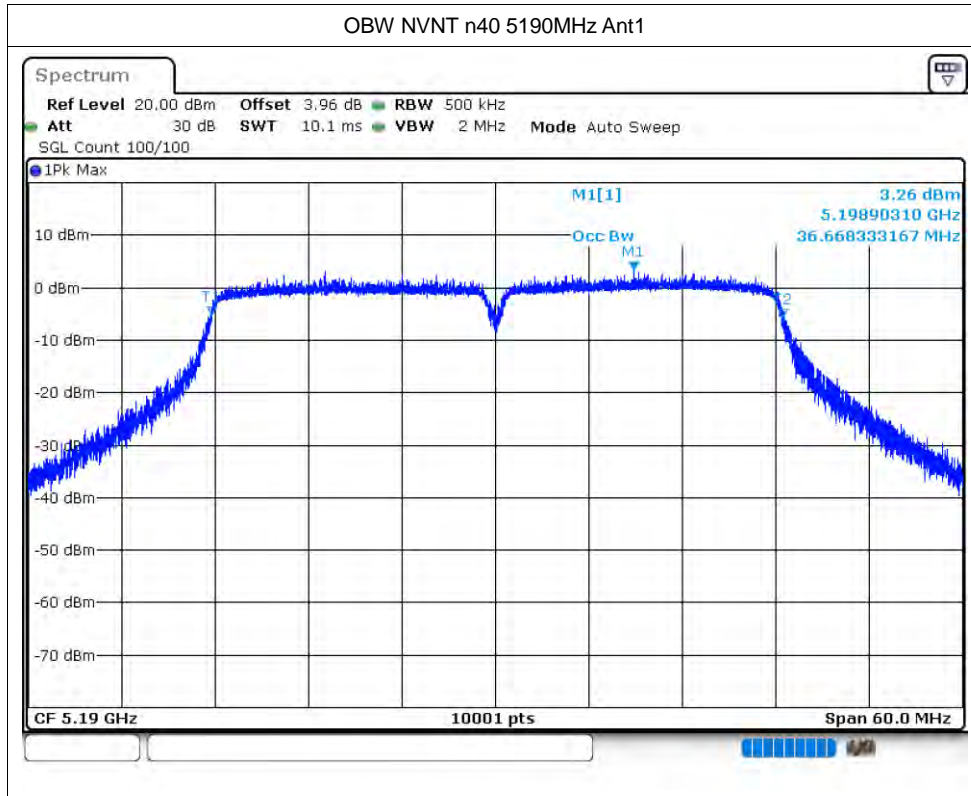


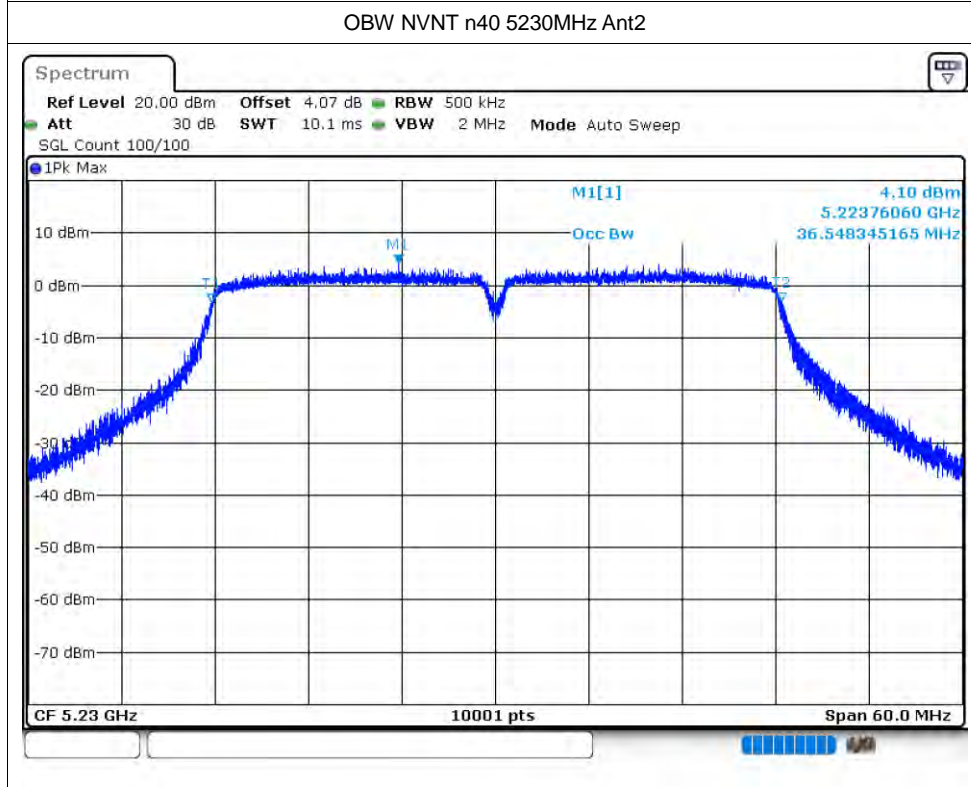
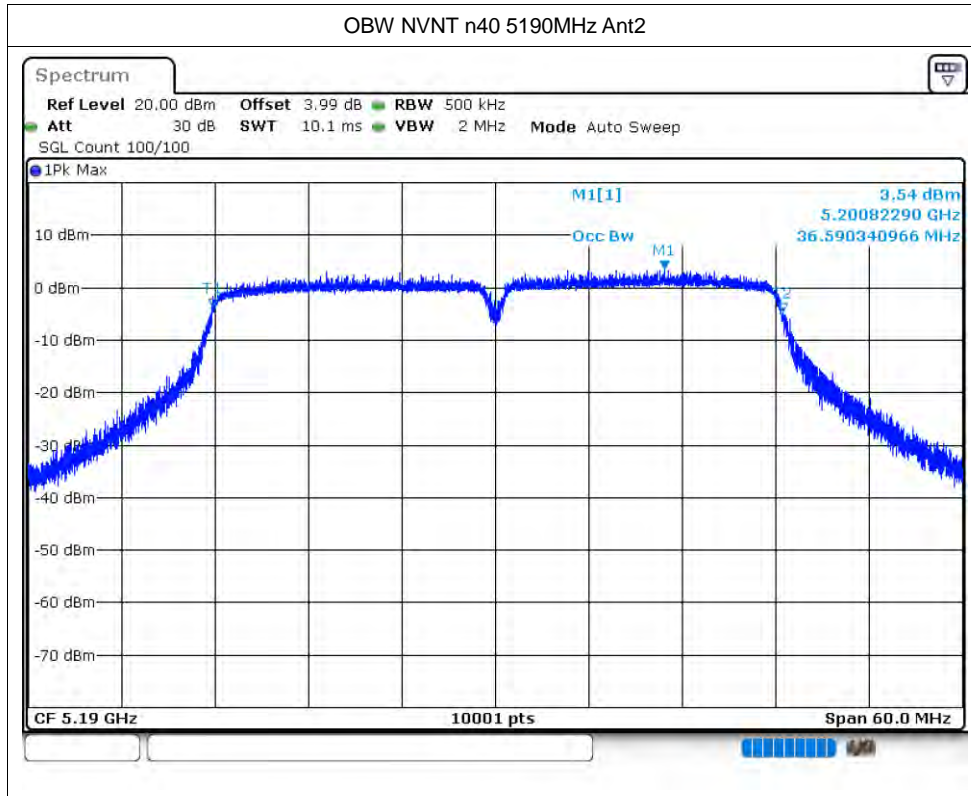










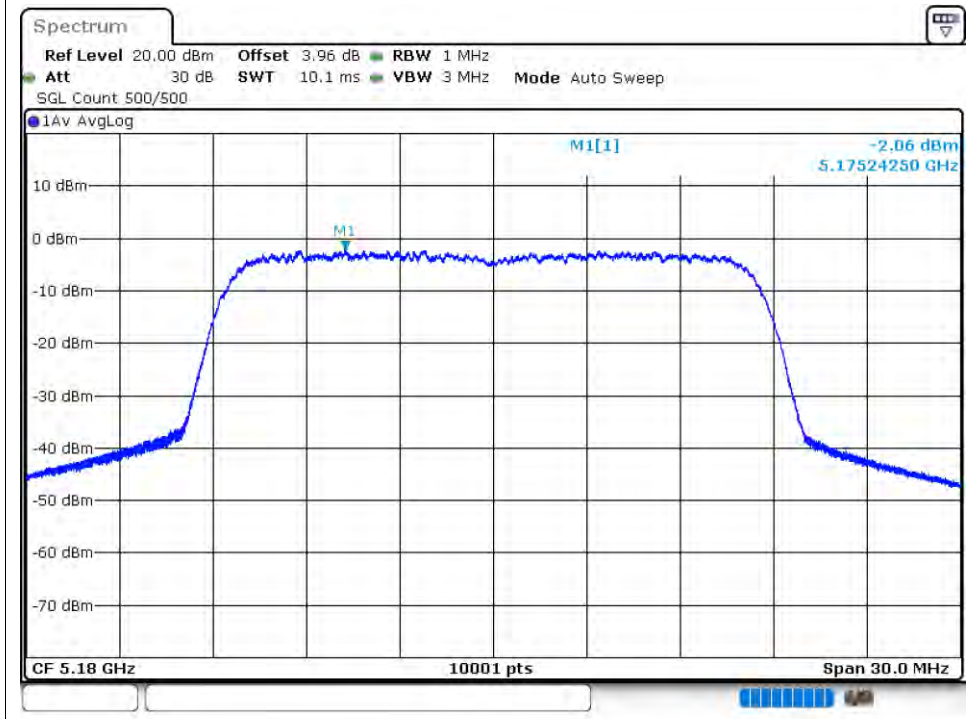


Maximum Power Spectral Density Level

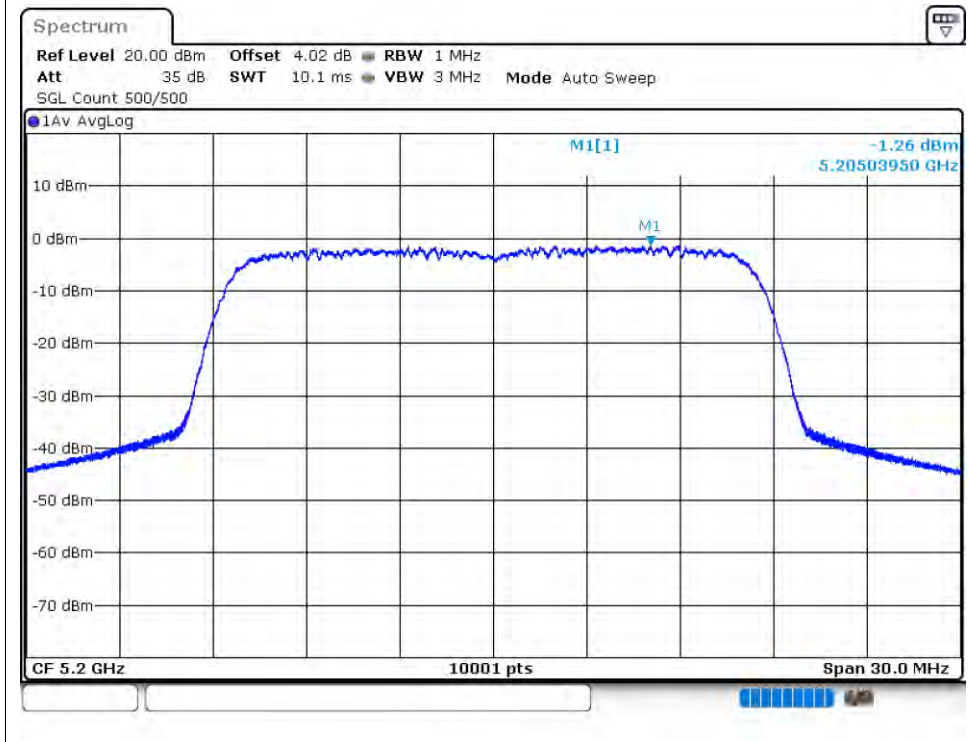
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-2.06	0.11	-1.95	11	Pass
NVNT	a	5200	Ant1	-1.26	0.11	-1.15	11	Pass
NVNT	a	5240	Ant1	-1.54	0.11	-1.43	11	Pass
NVNT	a	5180	Ant2	-0.39	0.11	-0.28	11	Pass
NVNT	a	5200	Ant2	0.13	0.11	0.24	11	Pass
NVNT	a	5240	Ant2	0.39	0.1	0.49	11	Pass
NVNT	n20	5180	Ant1	-1.3	0.11	-1.19	11	Pass
NVNT	n20	5200	Ant1	-0.51	0.11	-0.4	11	Pass
NVNT	n20	5240	Ant1	-0.19	0.11	-0.08	11	Pass
NVNT	n20	5180	Ant2	-0.8	0.11	-0.69	11	Pass
NVNT	n20	5200	Ant2	-0.18	0.11	-0.07	11	Pass
NVNT	n20	5240	Ant2	-0.11	0.11	0	11	Pass
NVNT	n40	5190	Ant1	-5.03	0.15	-4.88	11	Pass
NVNT	n40	5230	Ant1	-3.4	0.15	-3.25	11	Pass
NVNT	n40	5190	Ant2	-3.47	0.14	-3.33	11	Pass
NVNT	n40	5230	Ant2	-3.47	0.15	-3.32	11	Pass

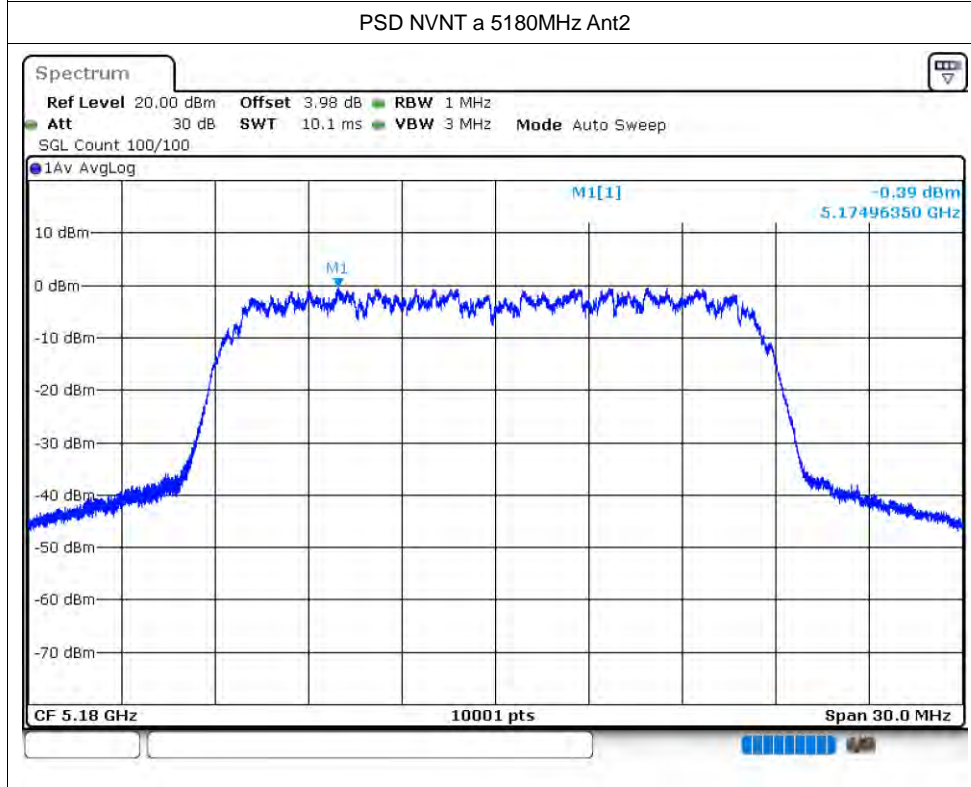
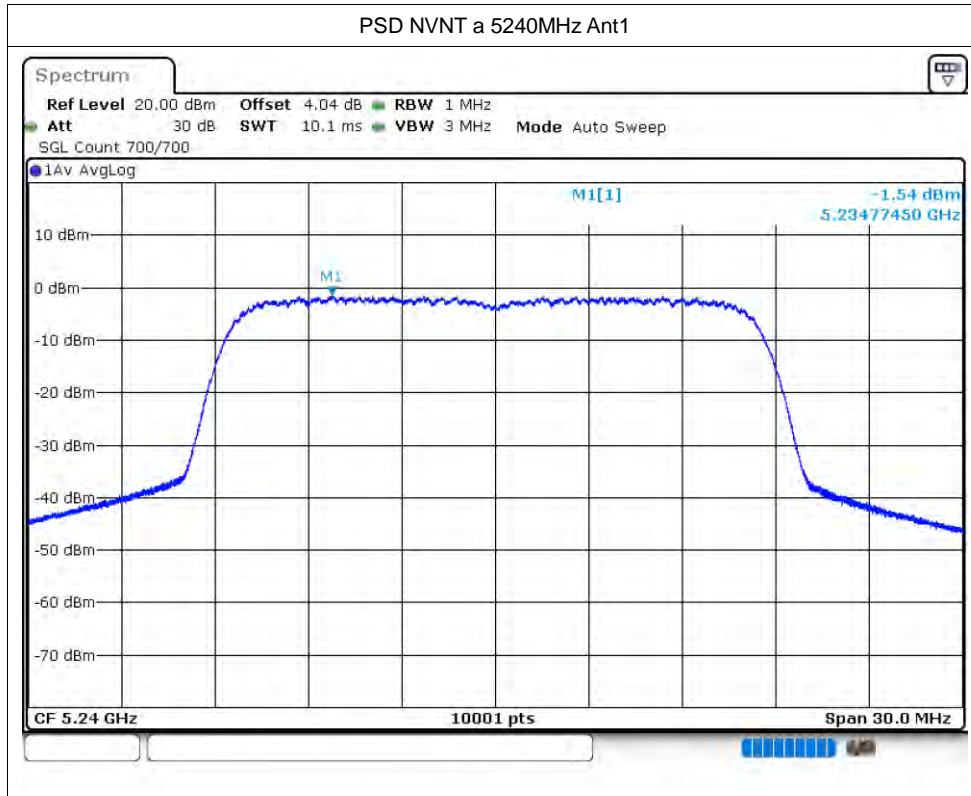
Test Graphs

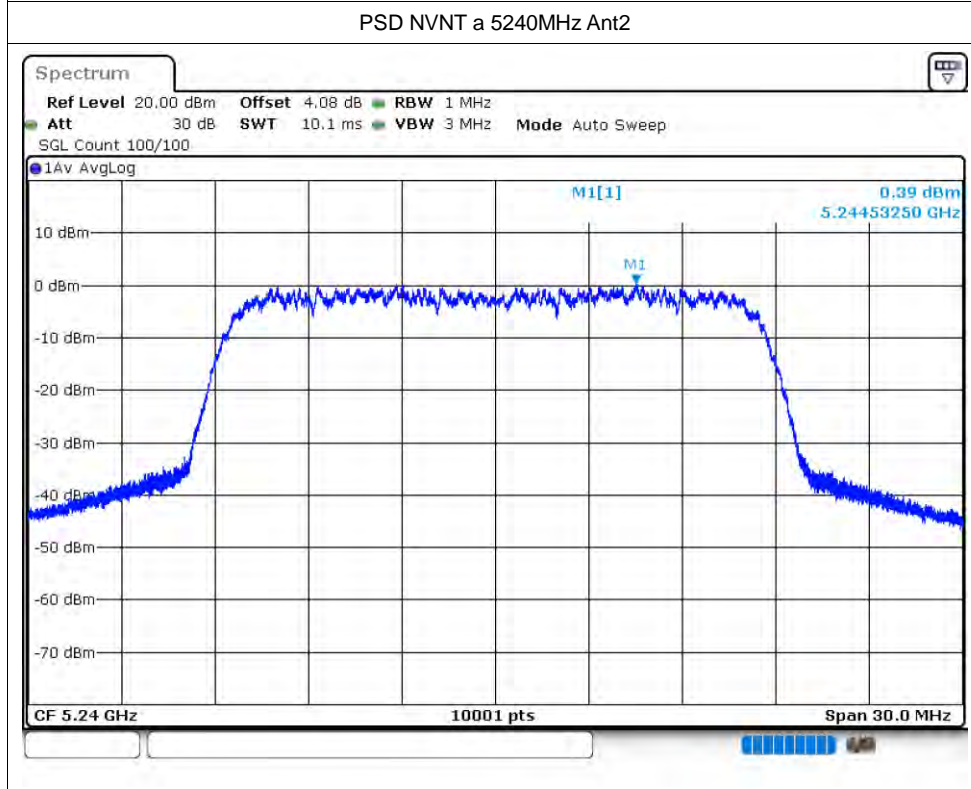
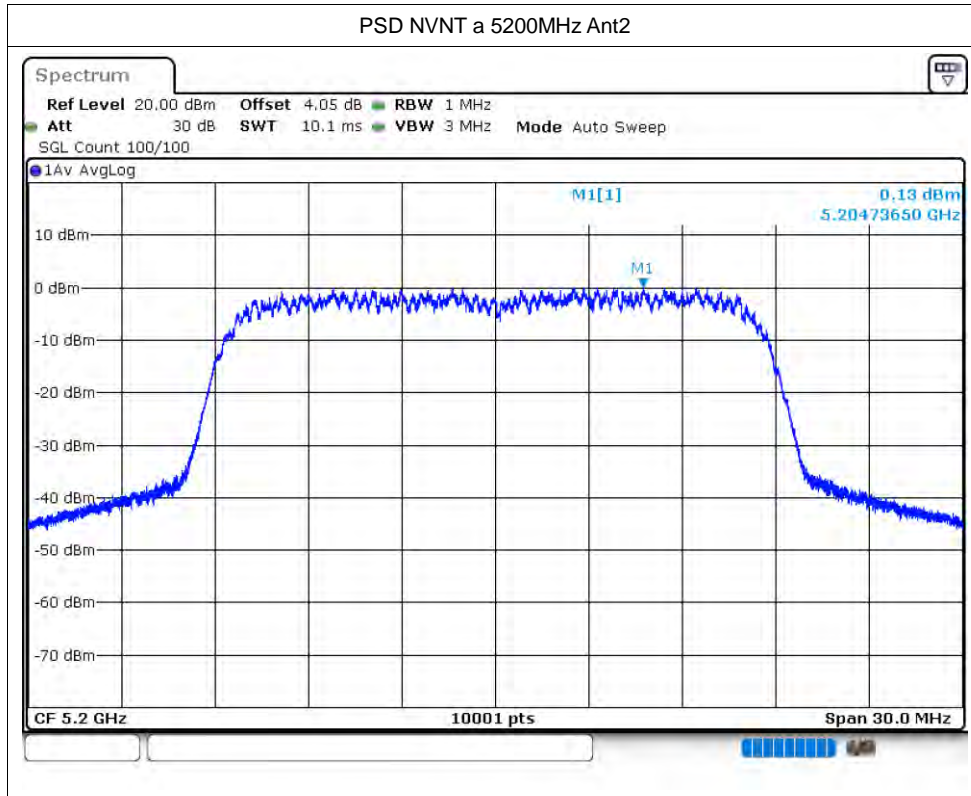
PSD NVNT a 5180MHz Ant1

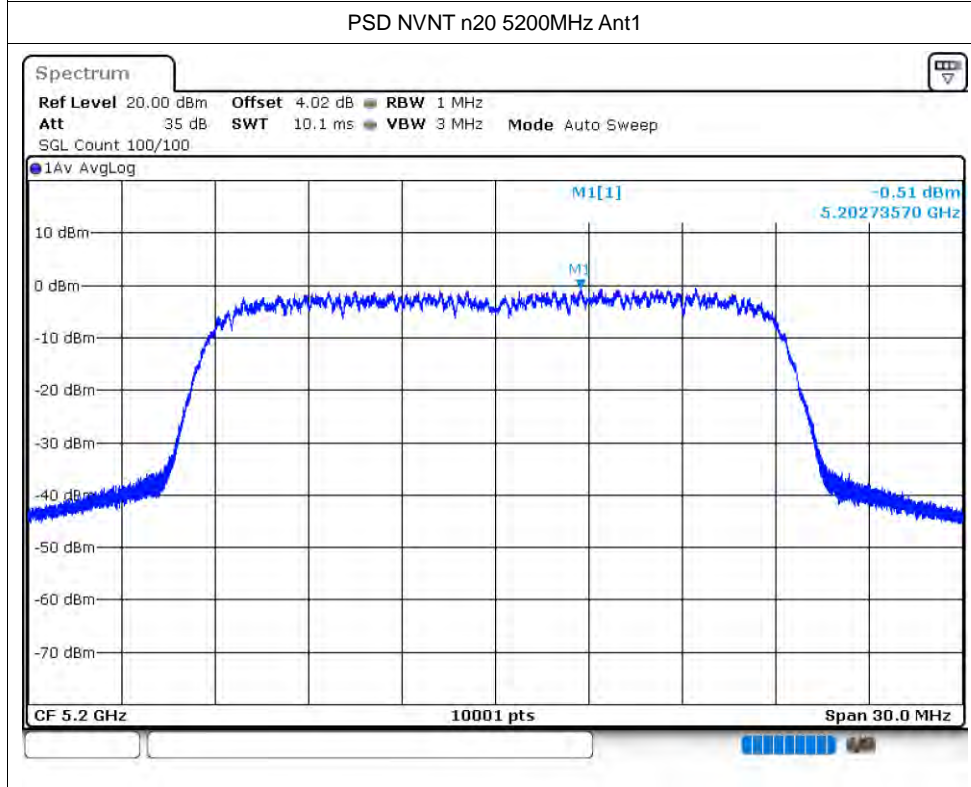
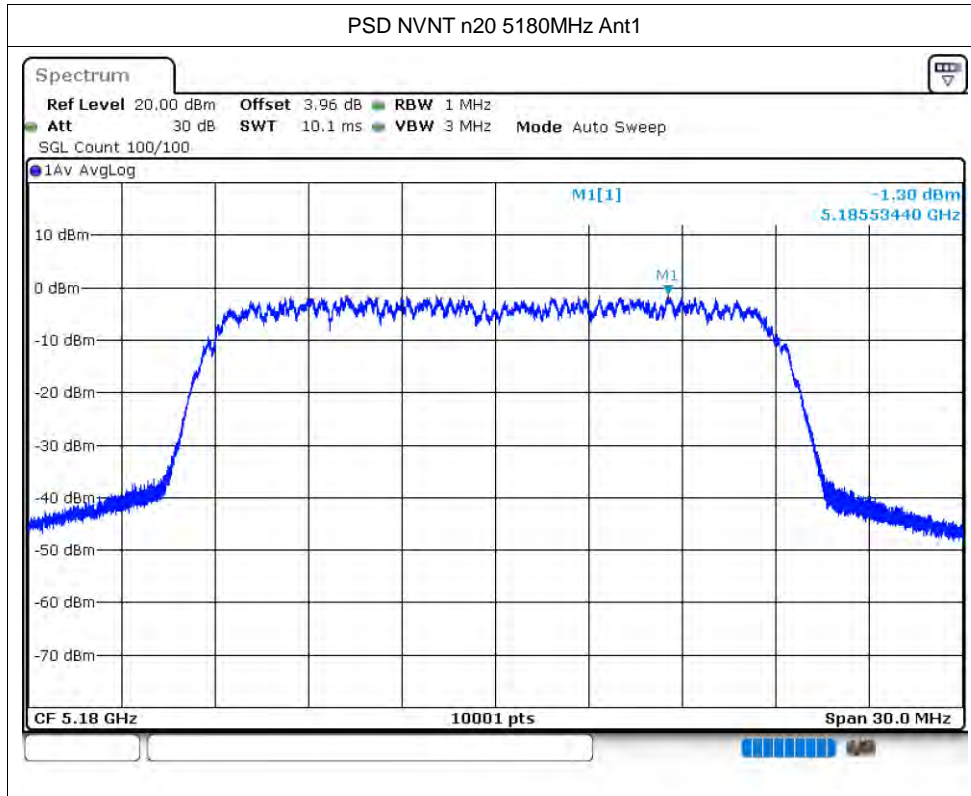


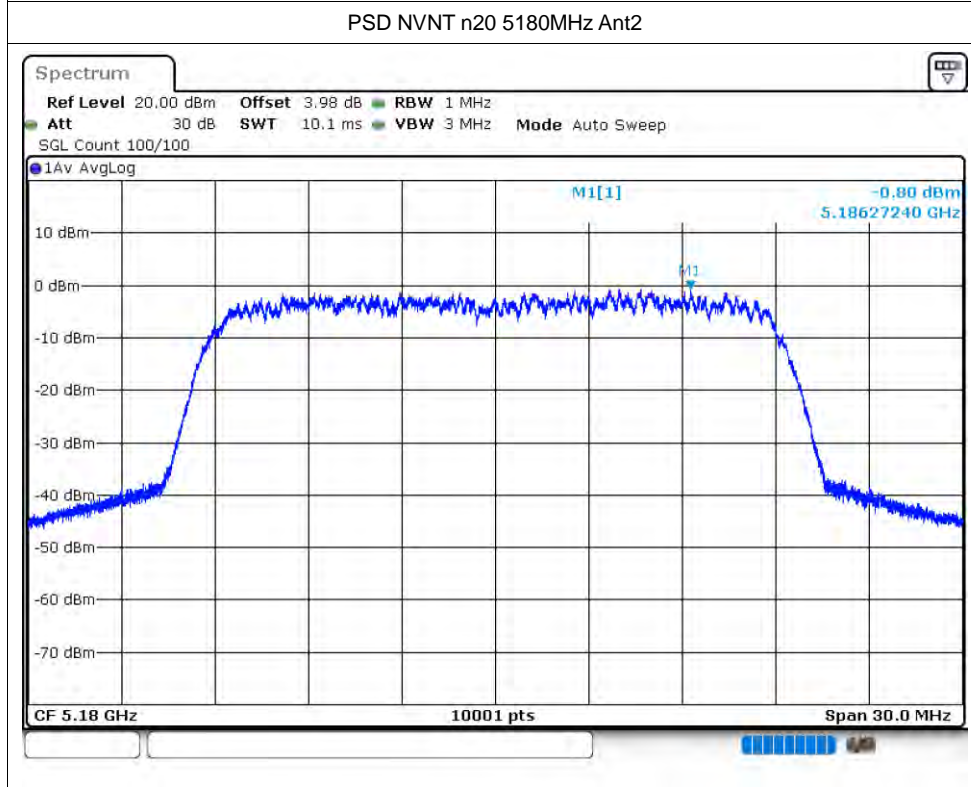
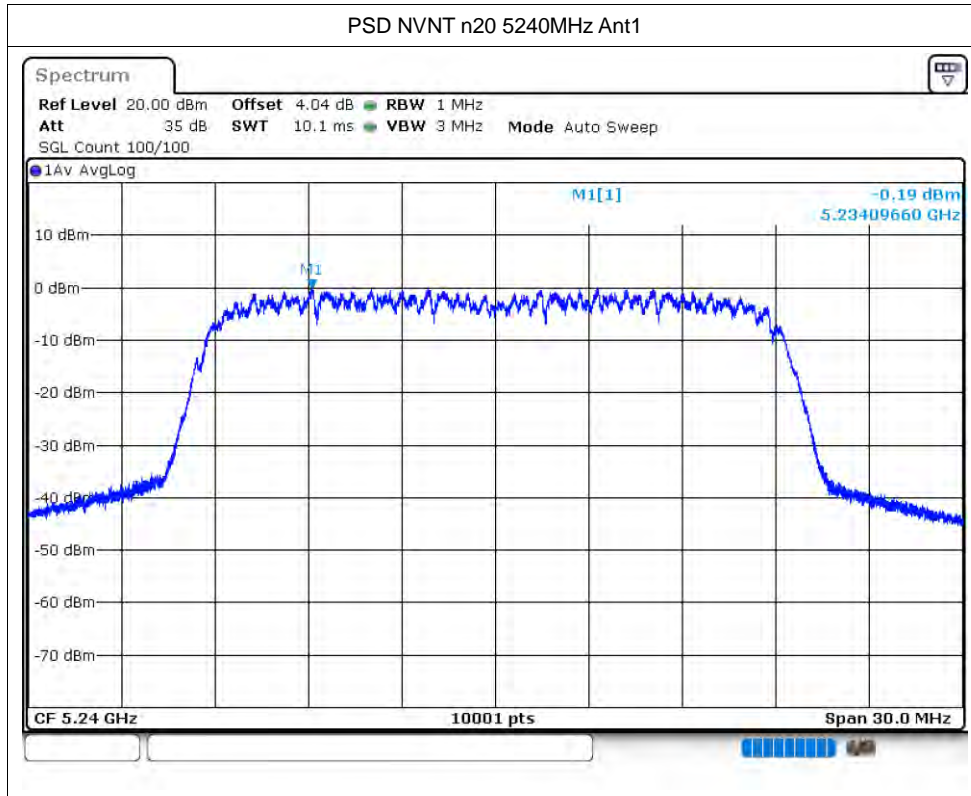
PSD NVNT a 5200MHz Ant1

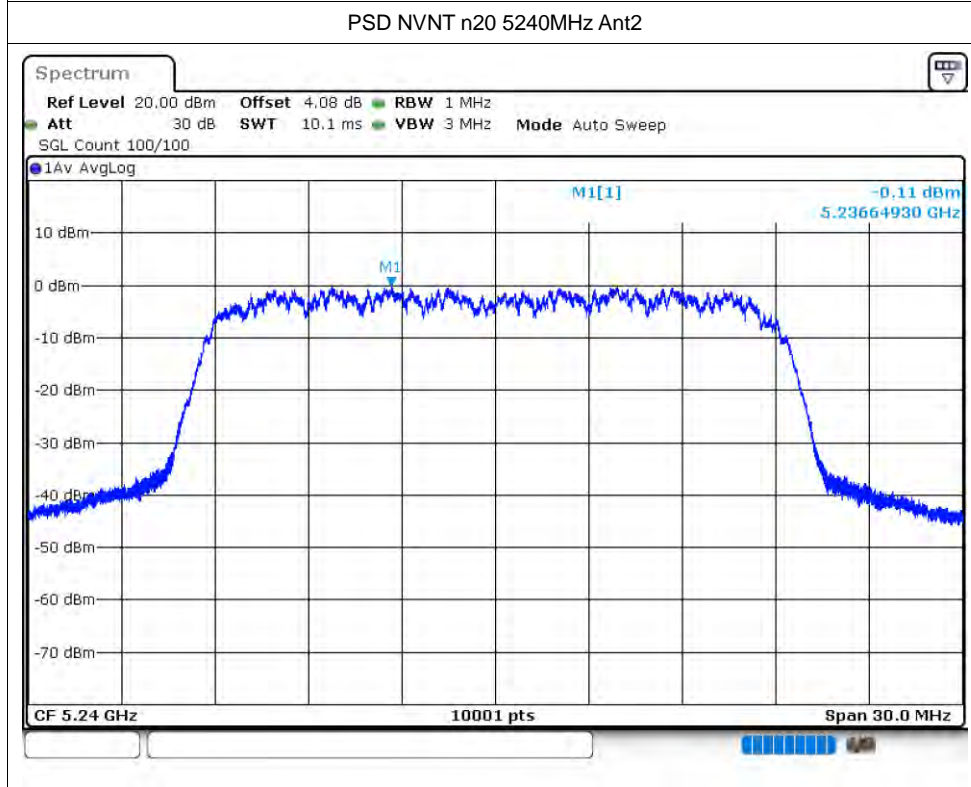
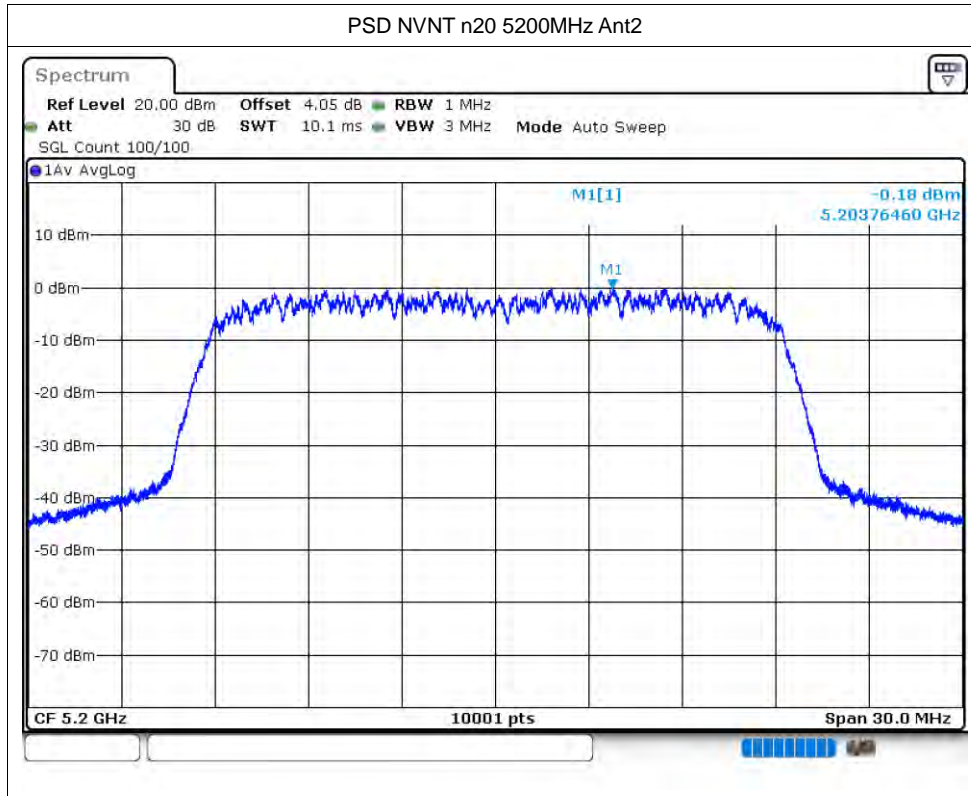


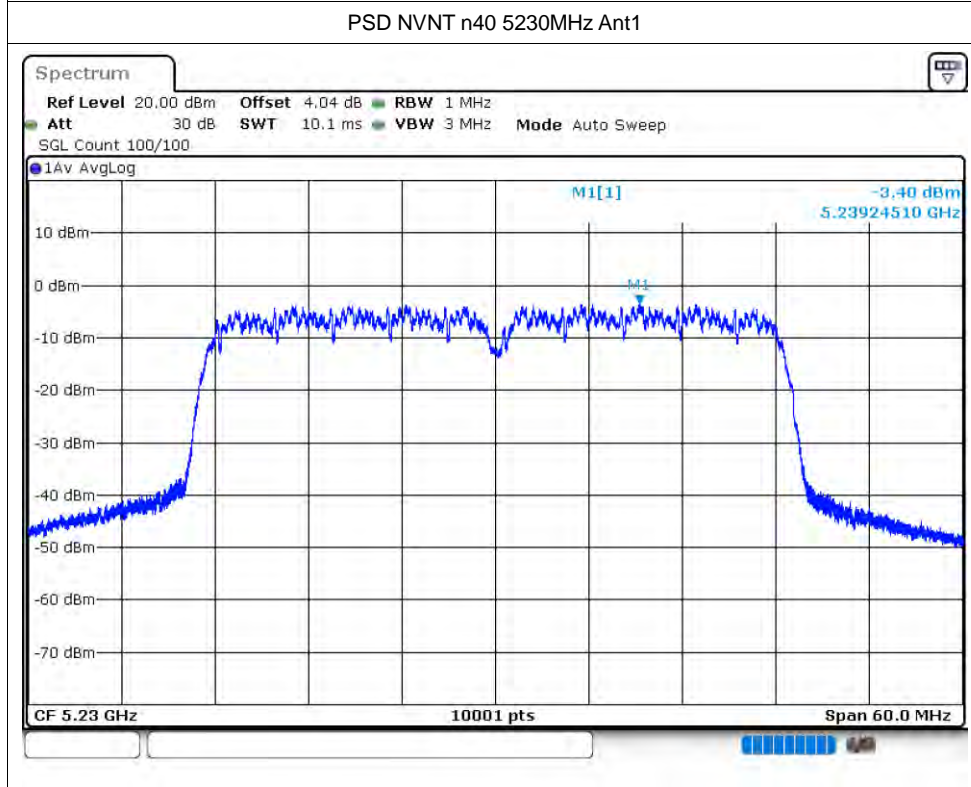
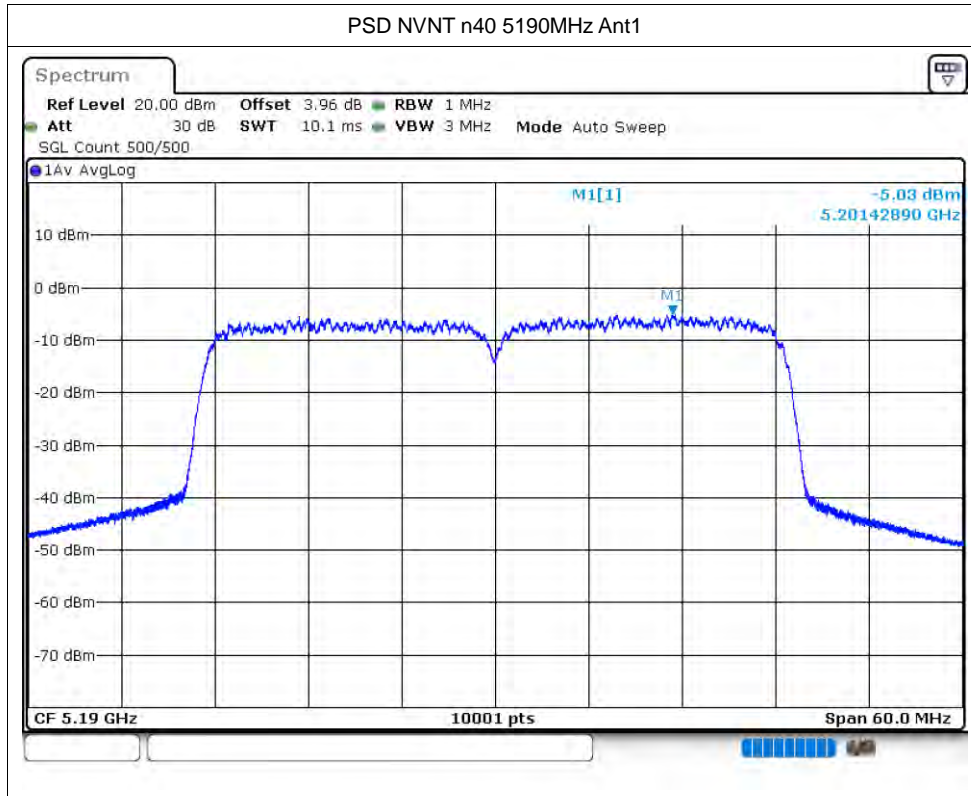


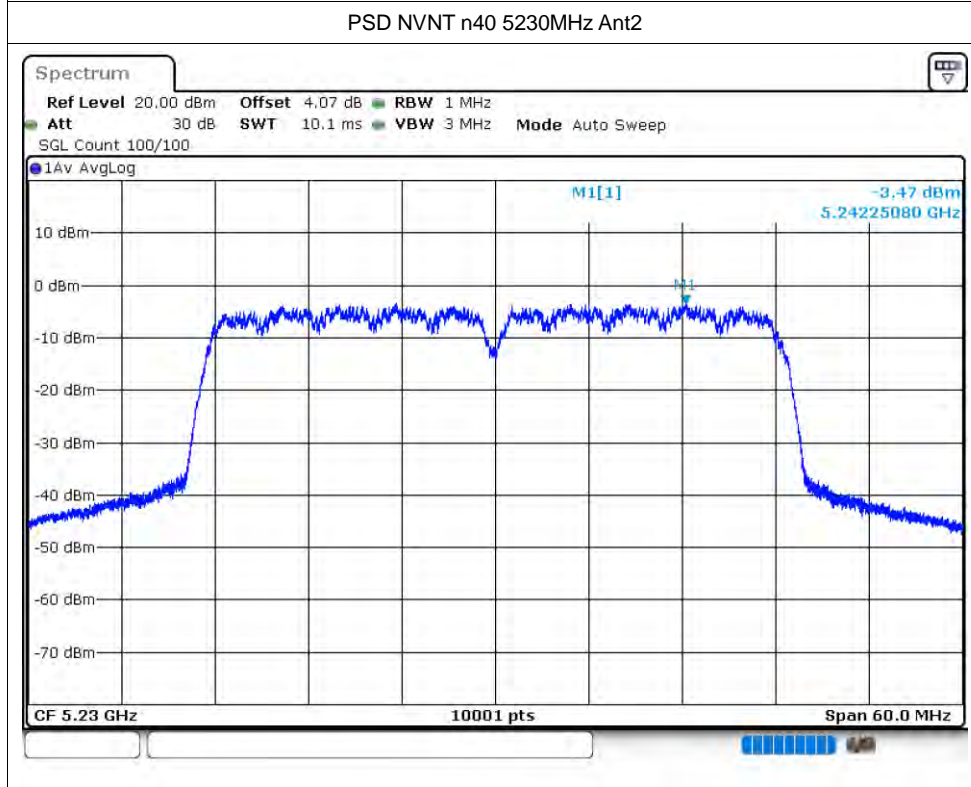
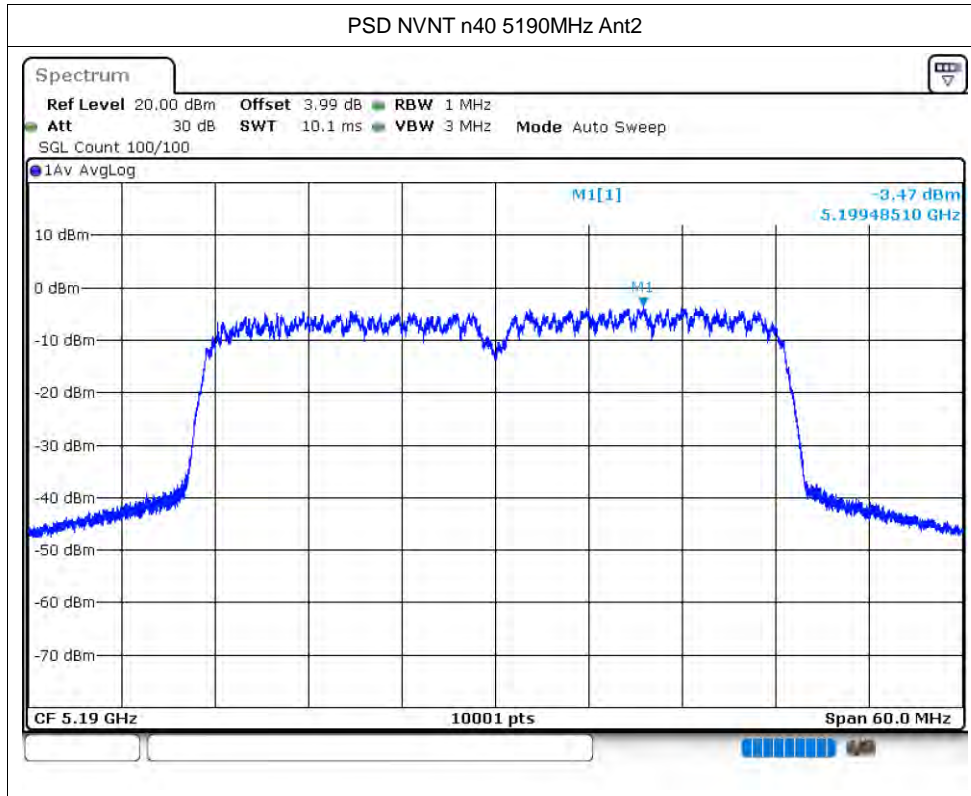








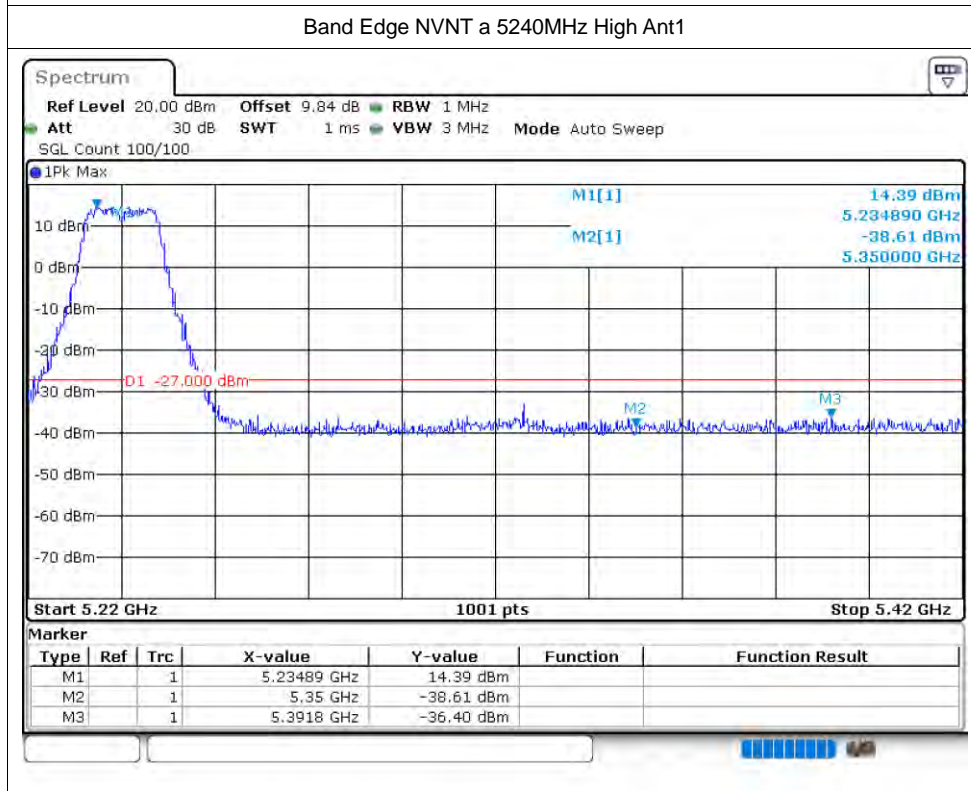
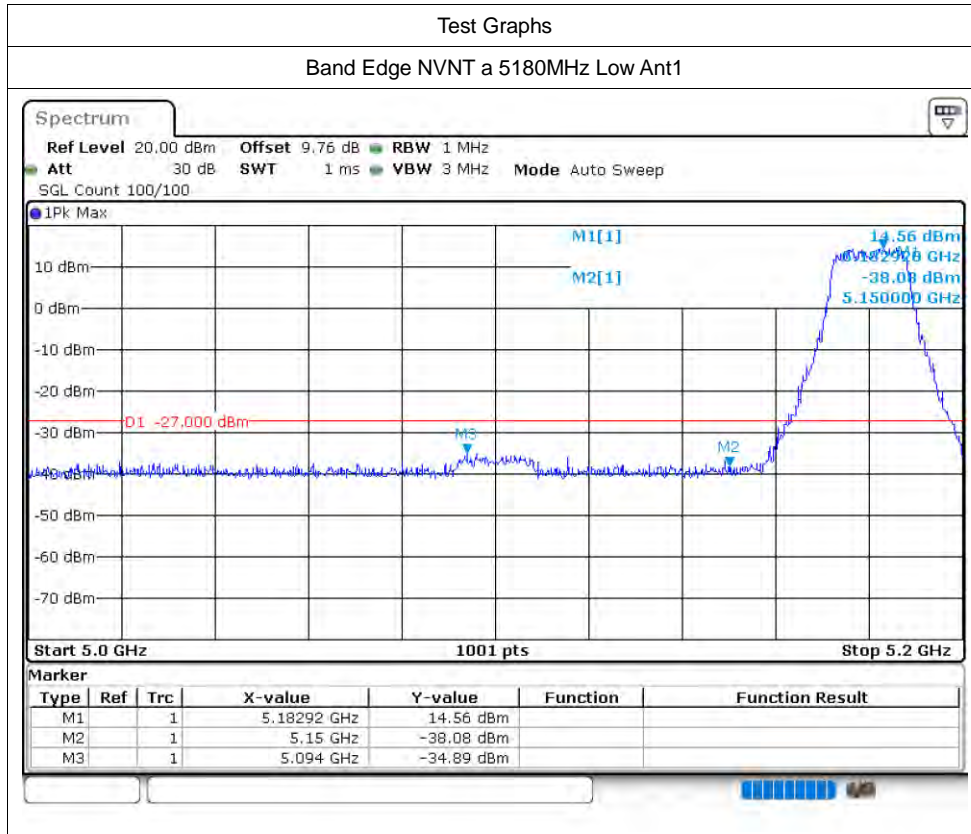


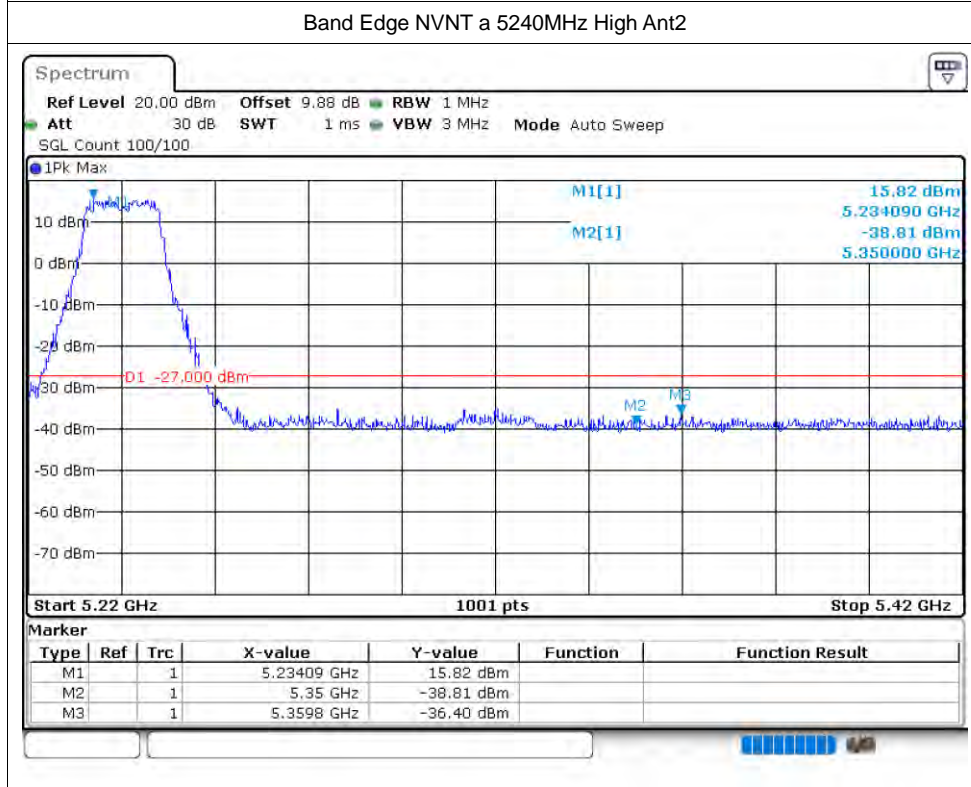
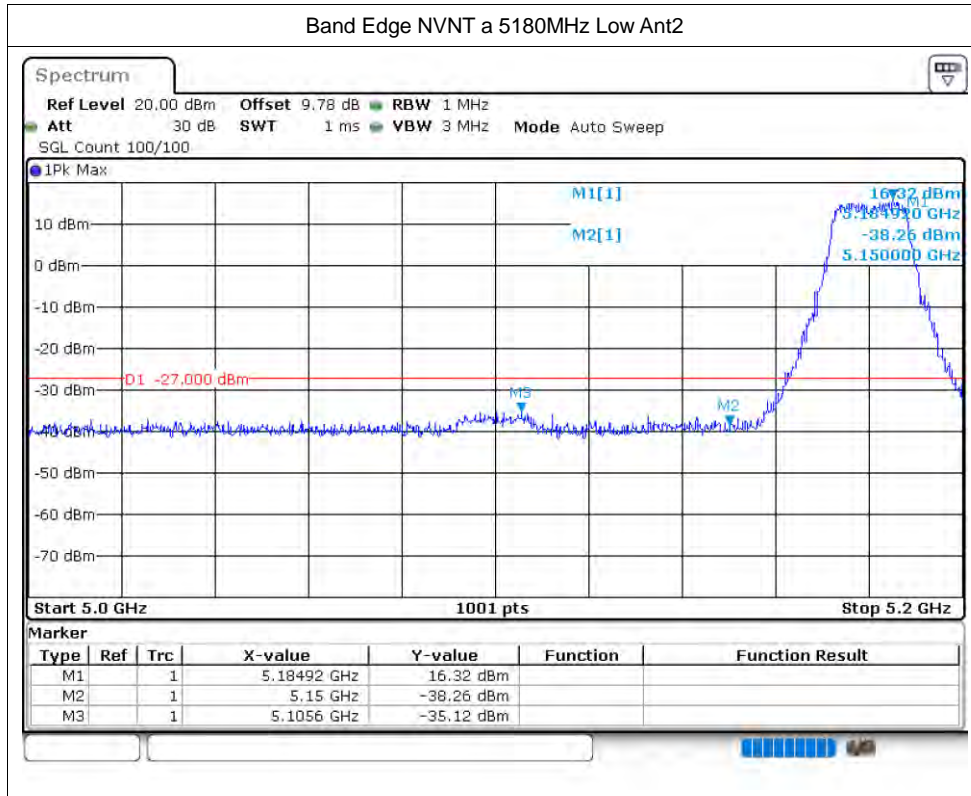


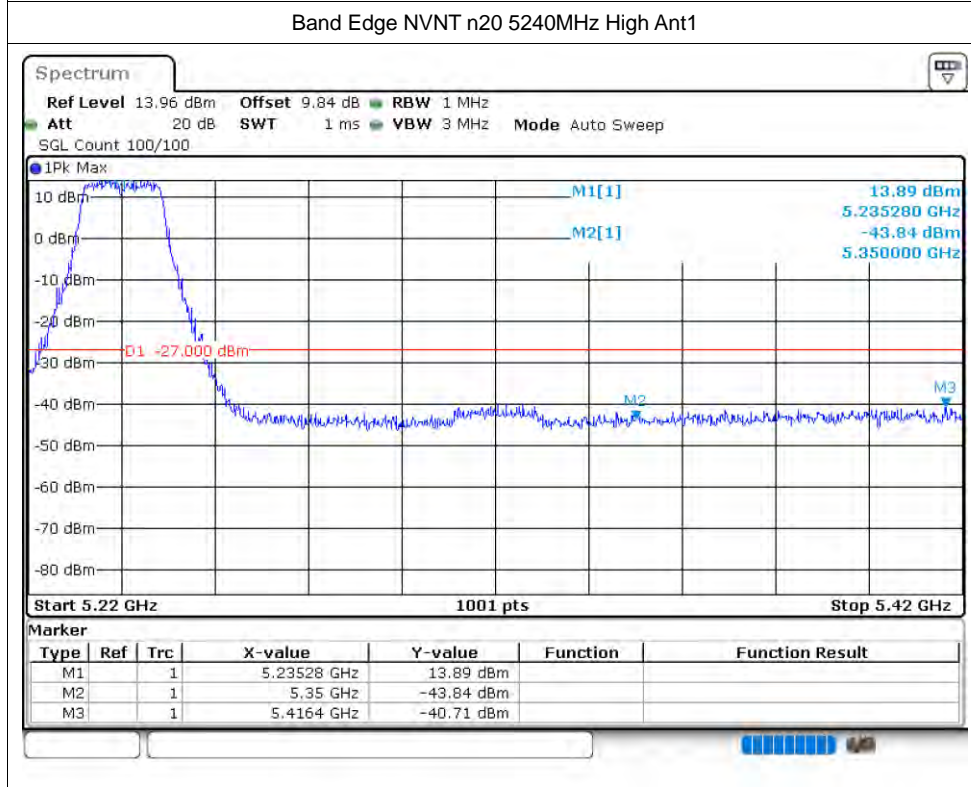
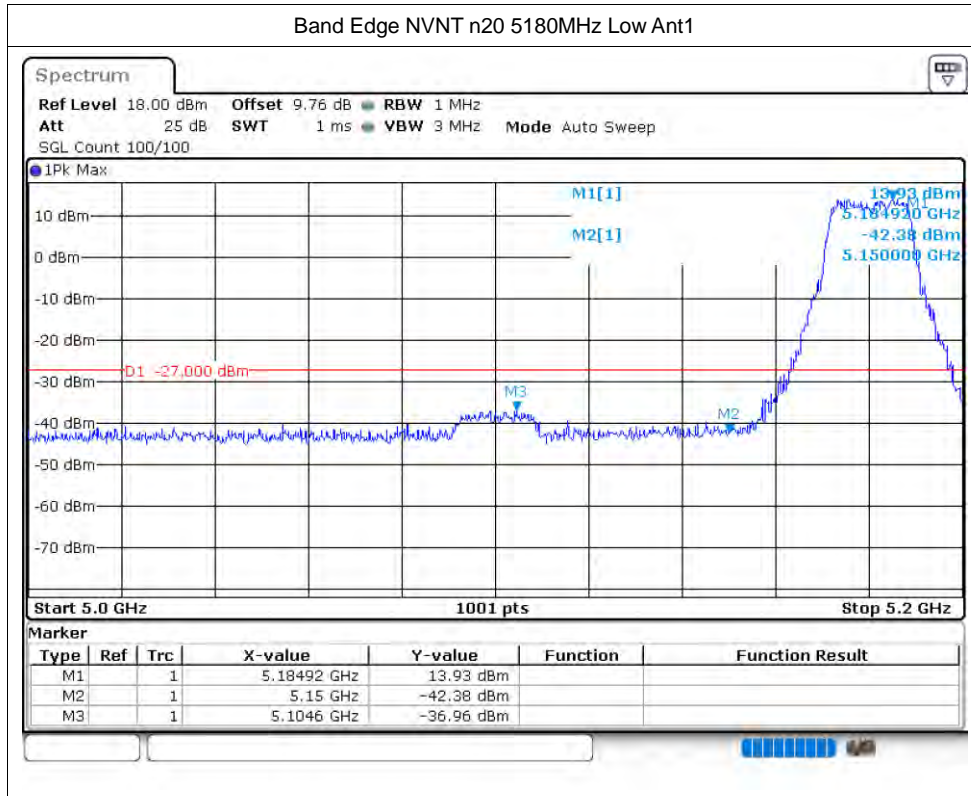
Band Edge

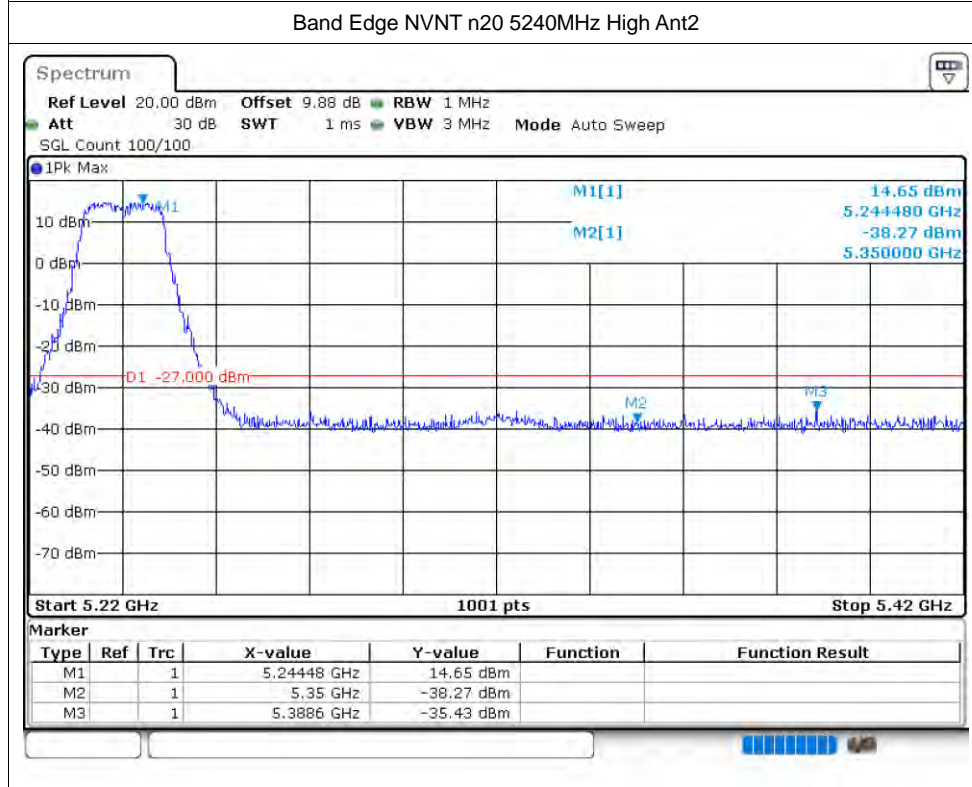
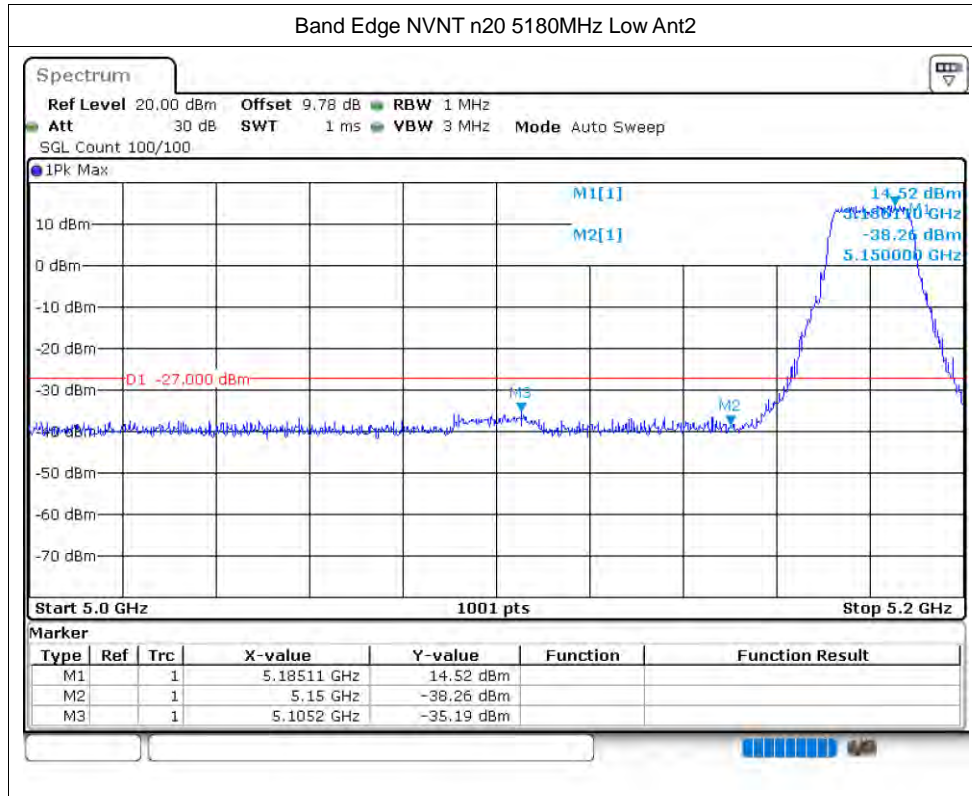
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-34.89	-27	Pass
NVNT	a	5240	Ant1	-36.4	-27	Pass
NVNT	a	5180	Ant2	-35.12	-27	Pass
NVNT	a	5240	Ant2	-36.4	-27	Pass
NVNT	n20	5180	Ant1	-36.95	-27	Pass
NVNT	n20	5240	Ant1	-40.71	-27	Pass
NVNT	n20	5180	Ant2	-35.19	-27	Pass
NVNT	n20	5240	Ant2	-35.43	-27	Pass
NVNT	n40	5190	Ant1	-31.33	-27	Pass
NVNT	n40	5230	Ant1	-41.29	-27	Pass
NVNT	n40	5190	Ant2	-28.09	-27	Pass
NVNT	n40	5230	Ant2	-36.08	-27	Pass

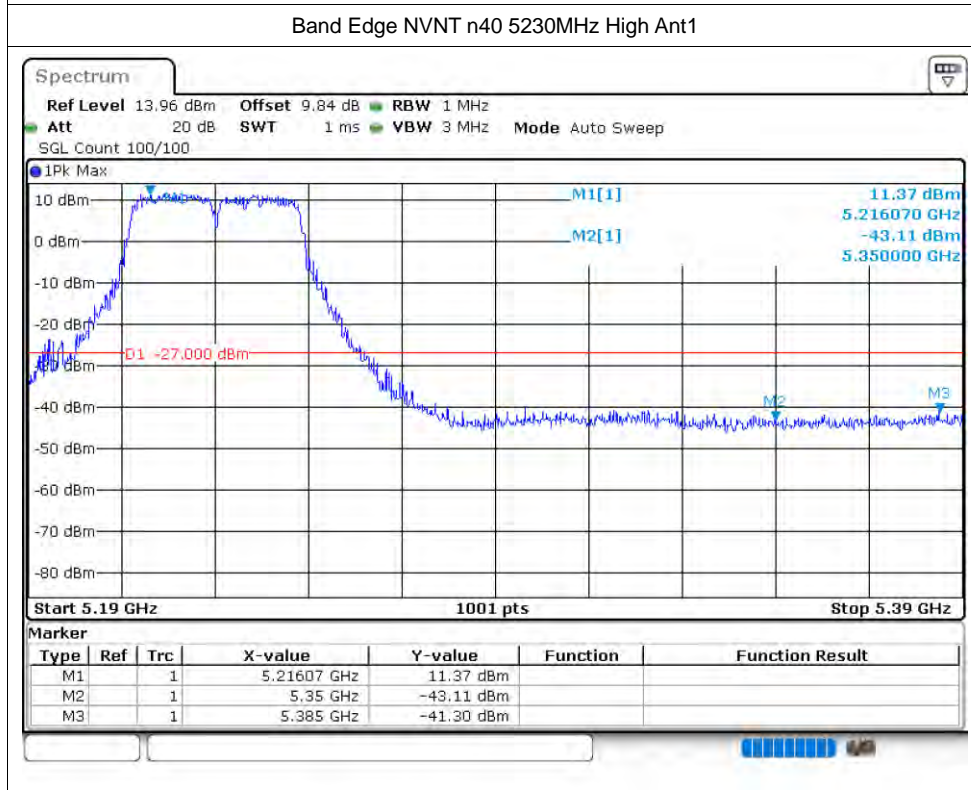
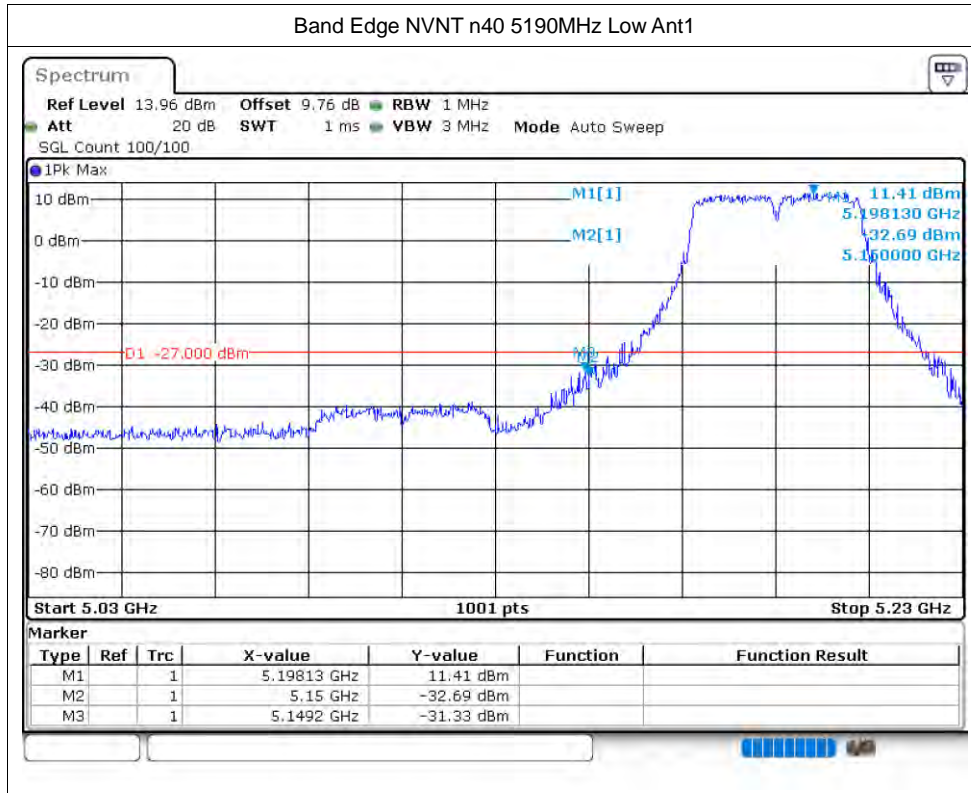
Note: This test has increased antenna gain .

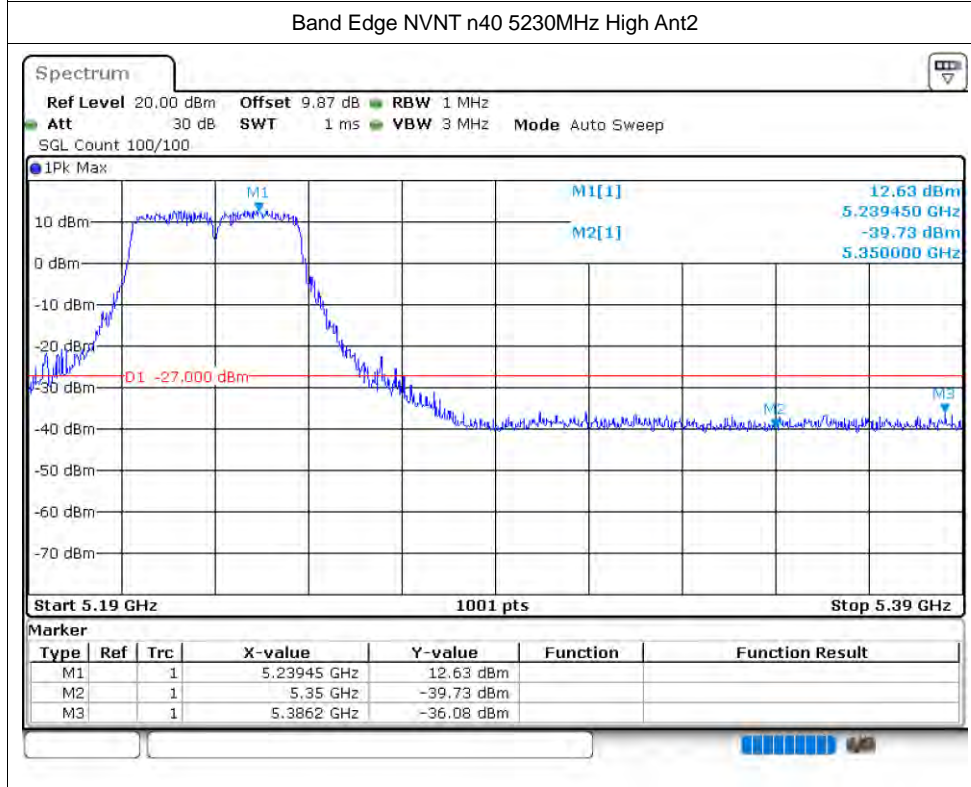
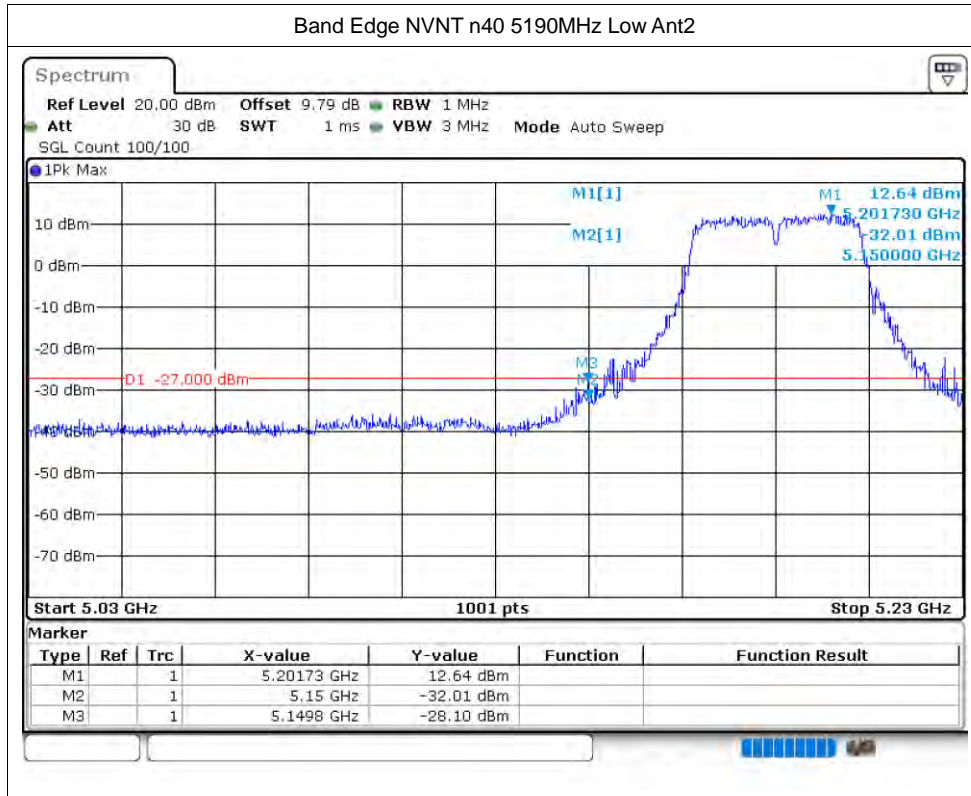








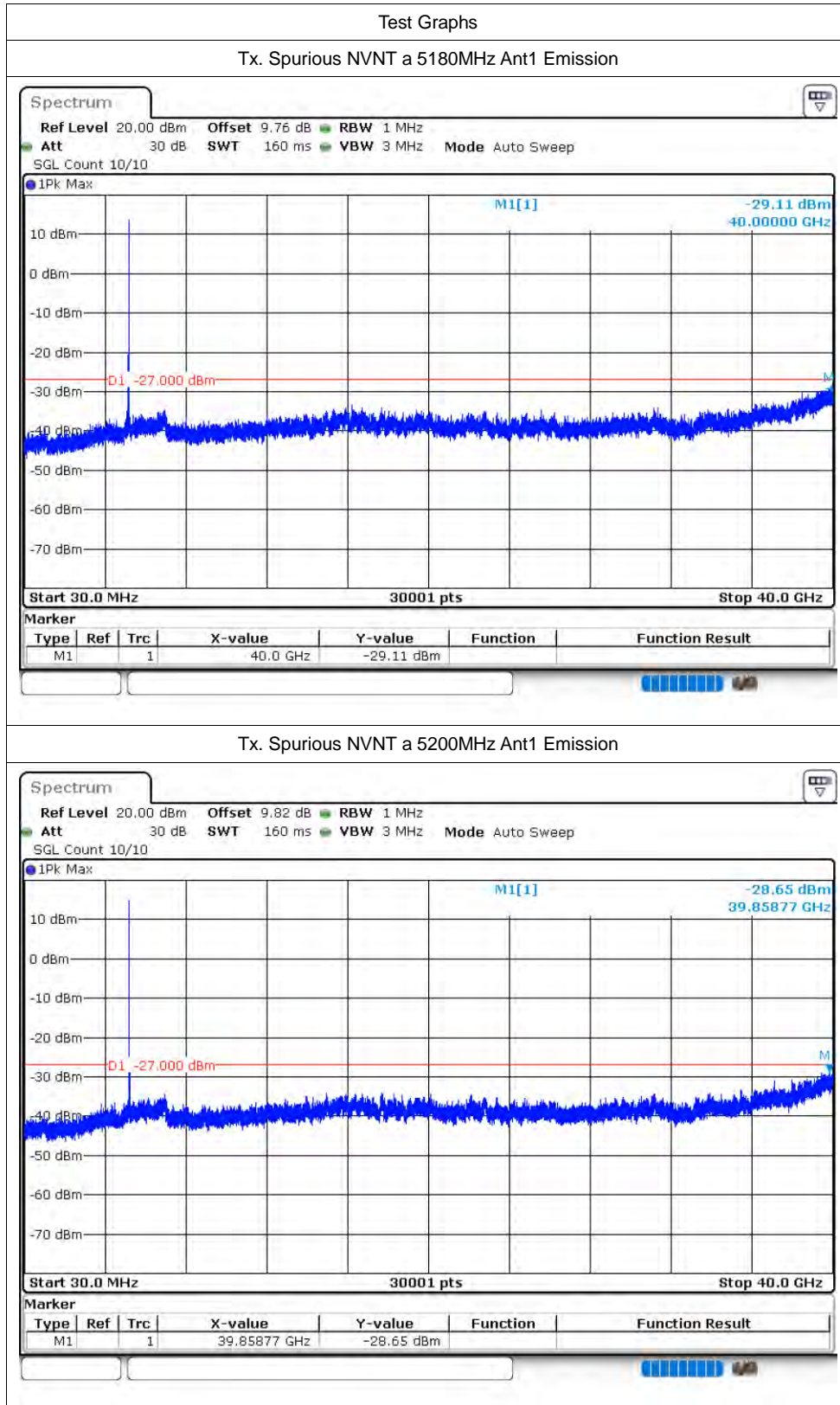


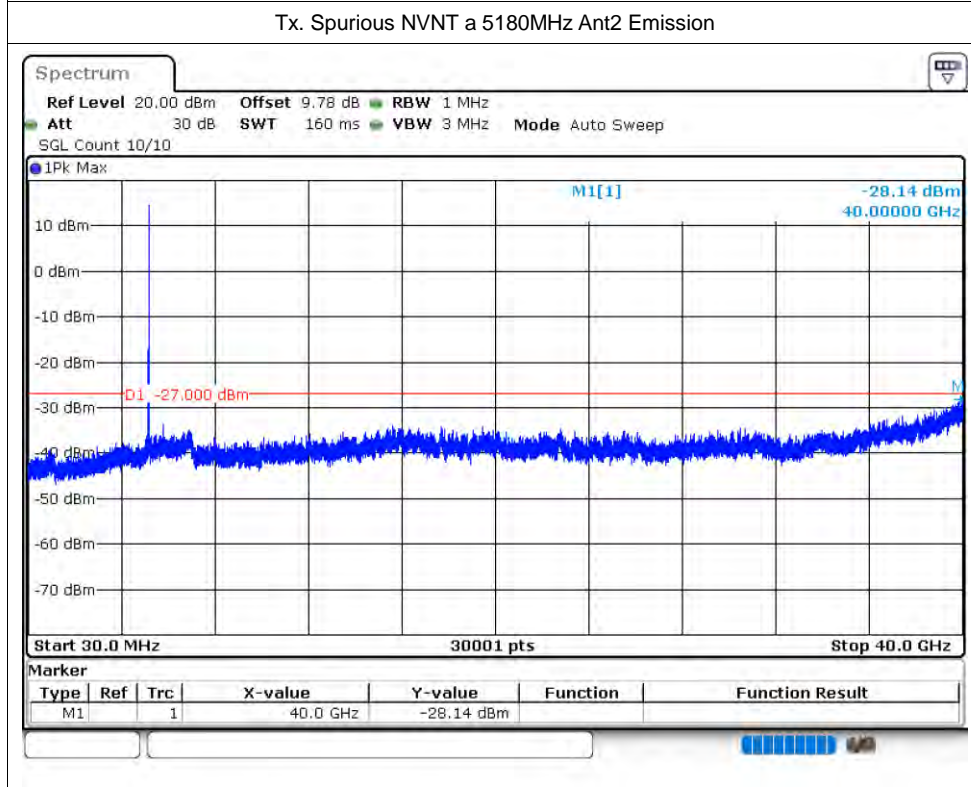
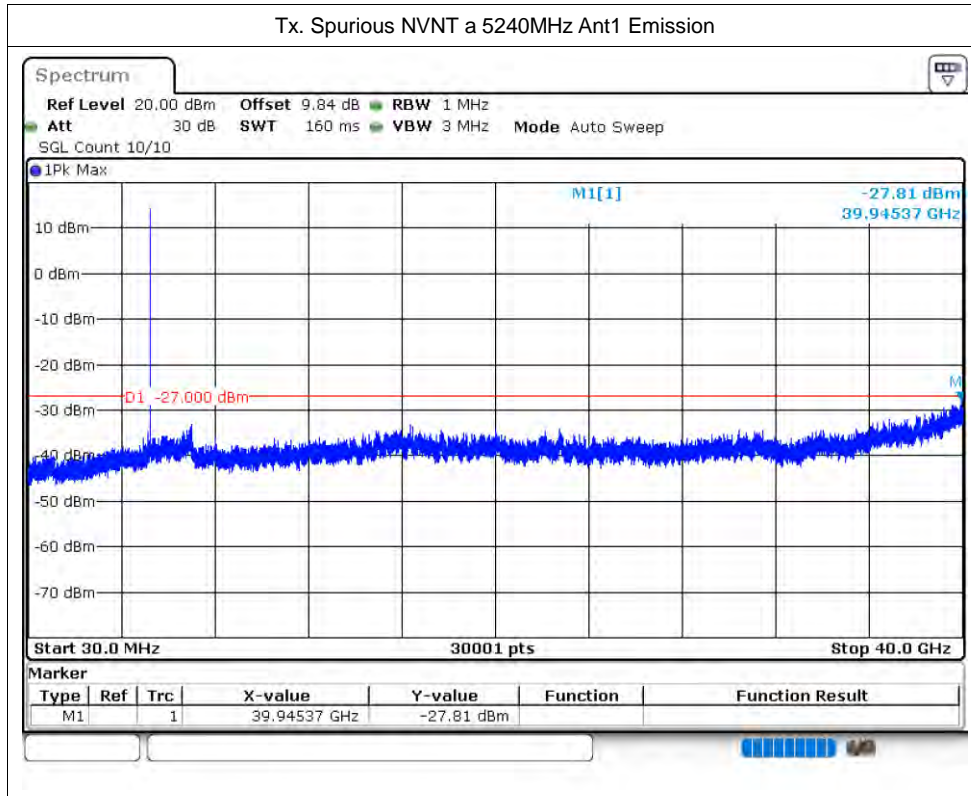


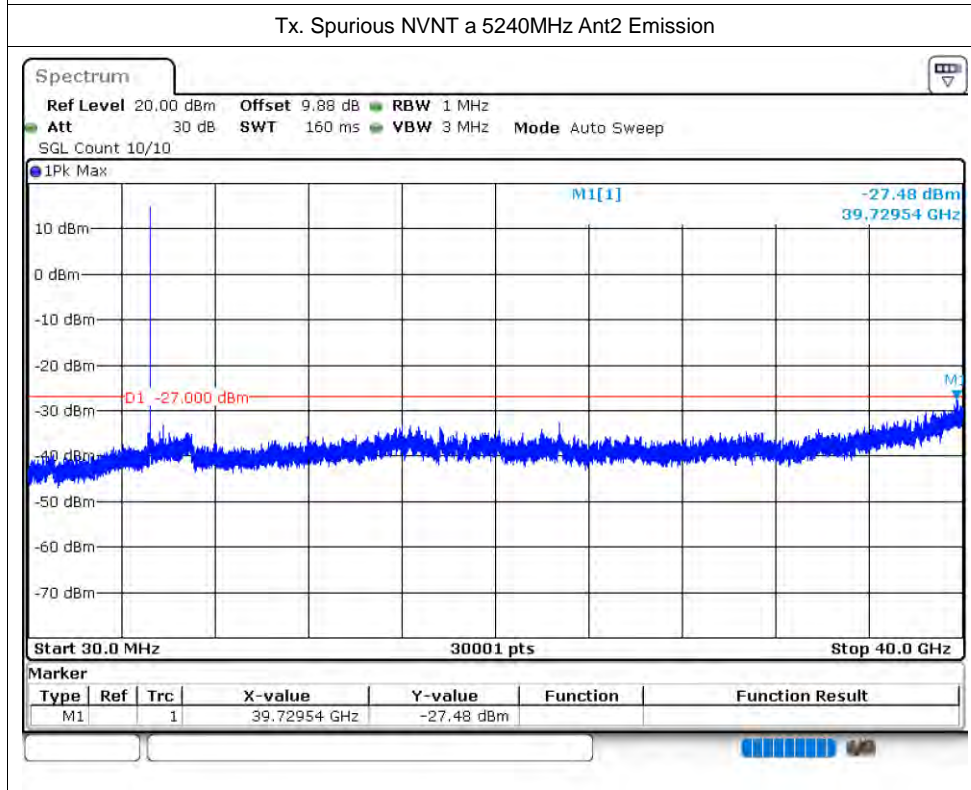
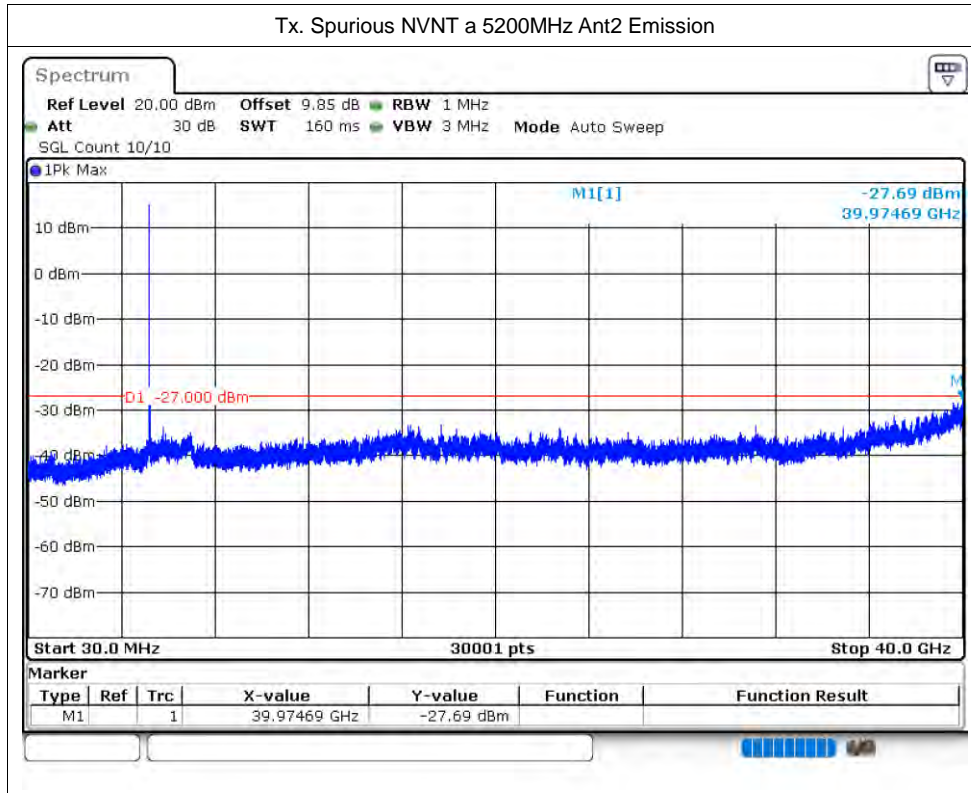
Conducted RF Spurious Emission

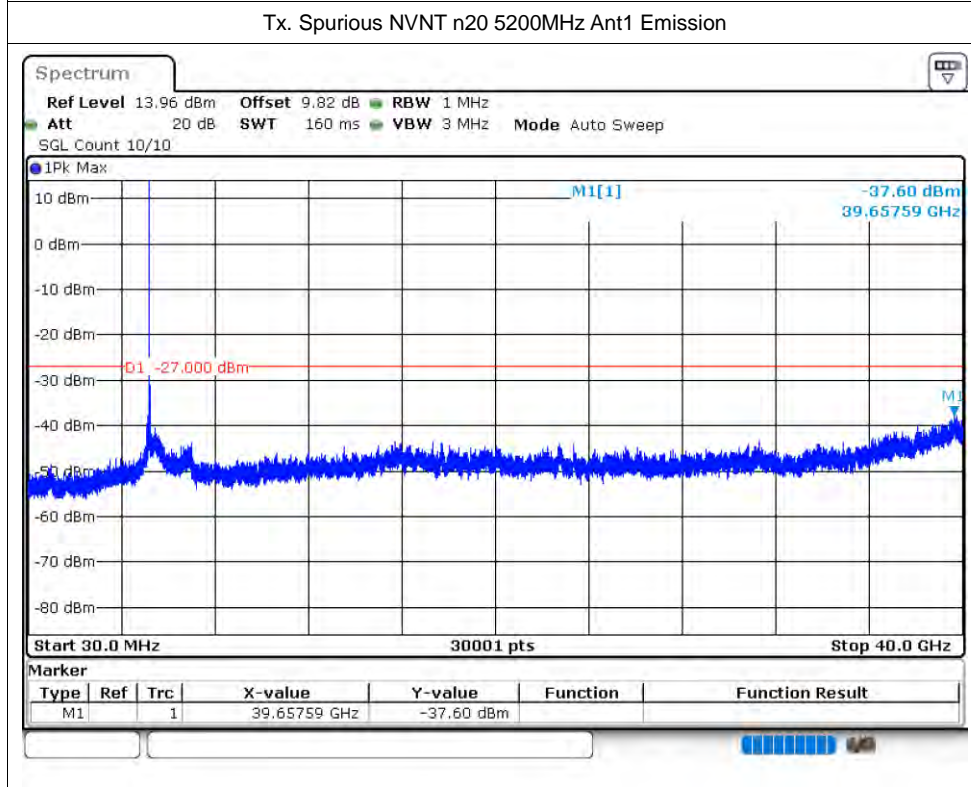
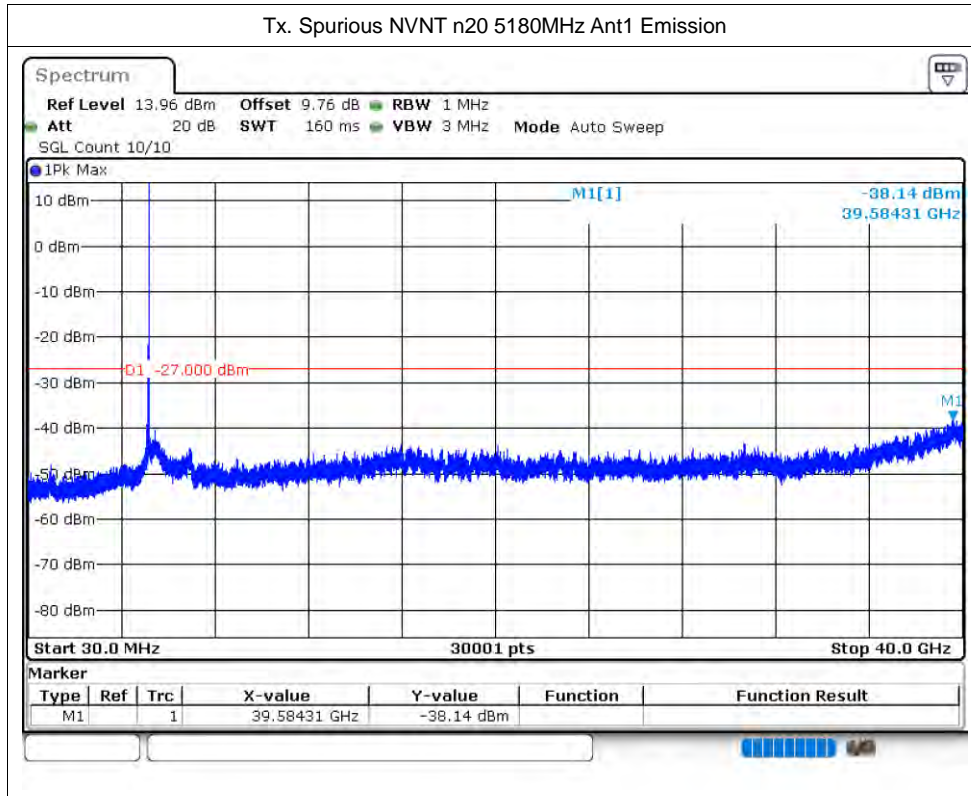
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-29.11	-27	Pass
NVNT	a	5200	Ant1	-28.64	-27	Pass
NVNT	a	5240	Ant1	-27.81	-27	Pass
NVNT	a	5180	Ant2	-28.13	-27	Pass
NVNT	a	5200	Ant2	-27.69	-27	Pass
NVNT	a	5240	Ant2	-27.47	-27	Pass
NVNT	n20	5180	Ant1	-38.13	-27	Pass
NVNT	n20	5200	Ant1	-37.6	-27	Pass
NVNT	n20	5240	Ant1	-37.63	-27	Pass
NVNT	n20	5180	Ant2	-27.78	-27	Pass
NVNT	n20	5200	Ant2	-28.73	-27	Pass
NVNT	n20	5240	Ant2	-27.56	-27	Pass
NVNT	n40	5190	Ant1	-38.01	-27	Pass
NVNT	n40	5230	Ant1	-38.35	-27	Pass
NVNT	n40	5190	Ant2	-27.33	-27	Pass
NVNT	n40	5230	Ant2	-28.56	-27	Pass

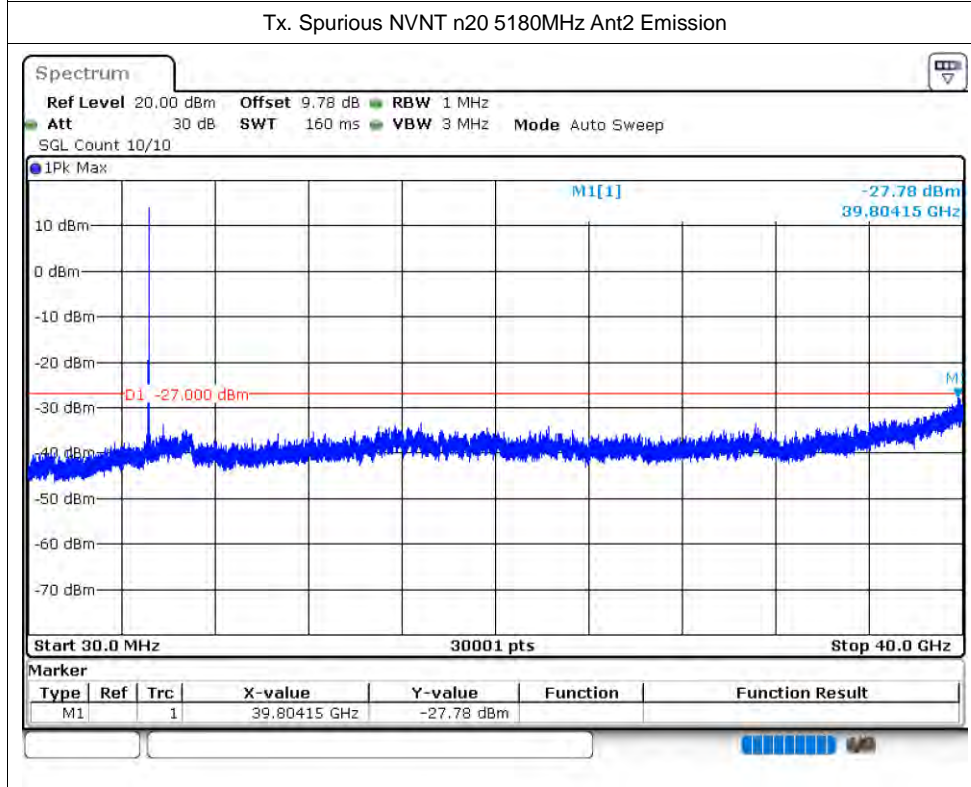
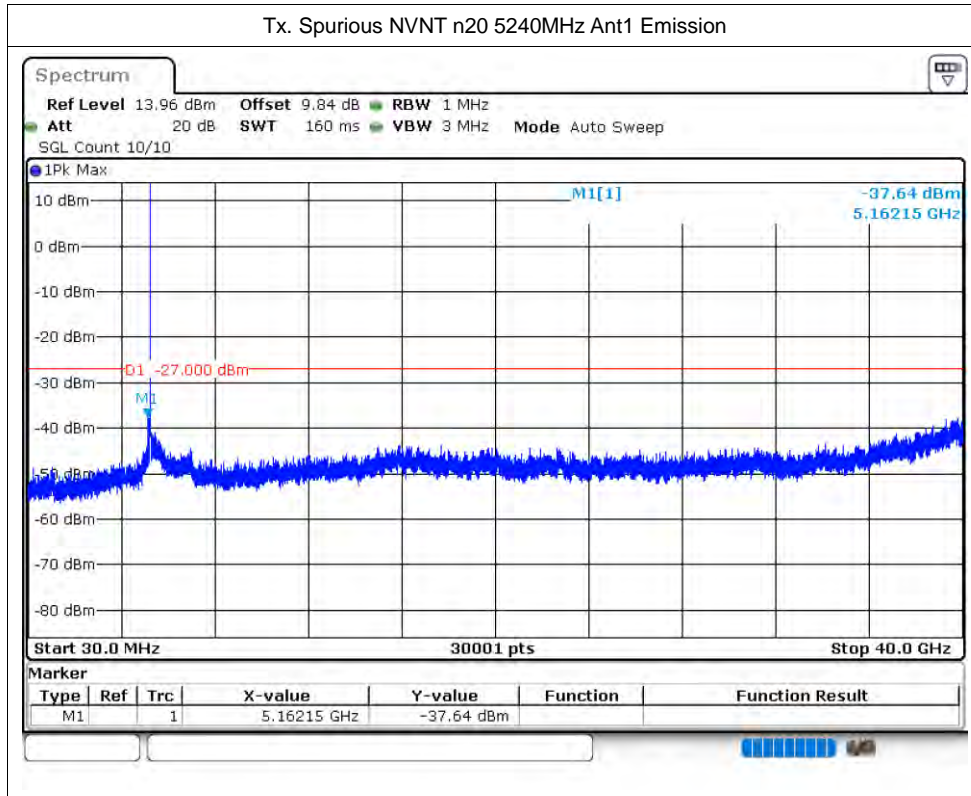
Note: This test has increased antenna gain .

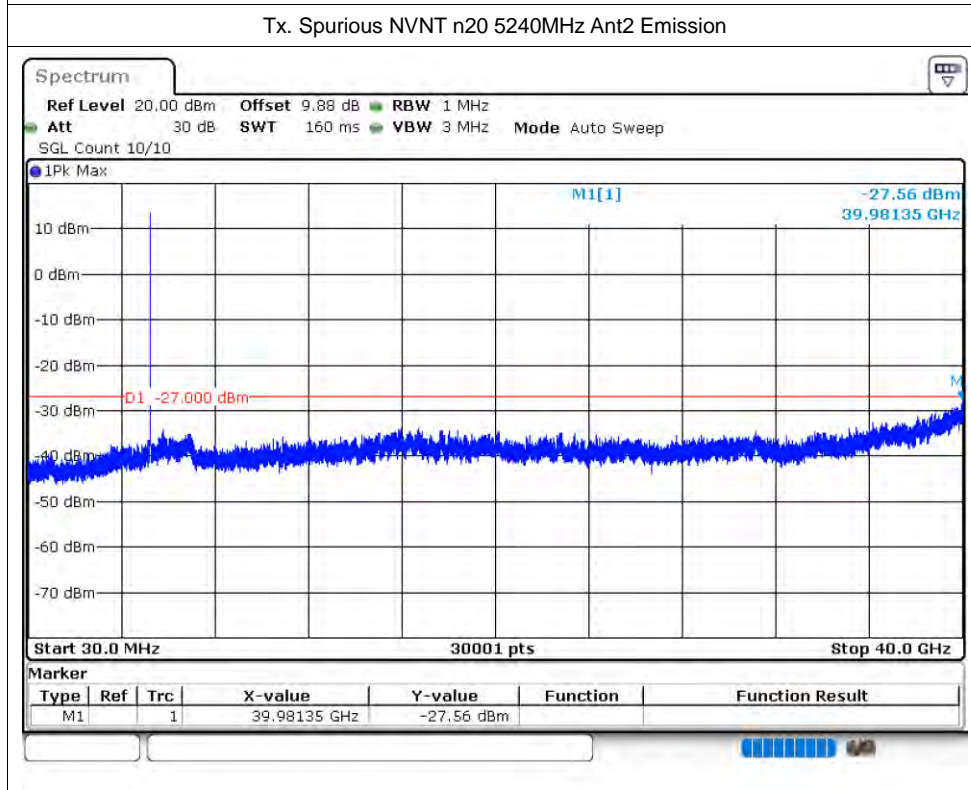
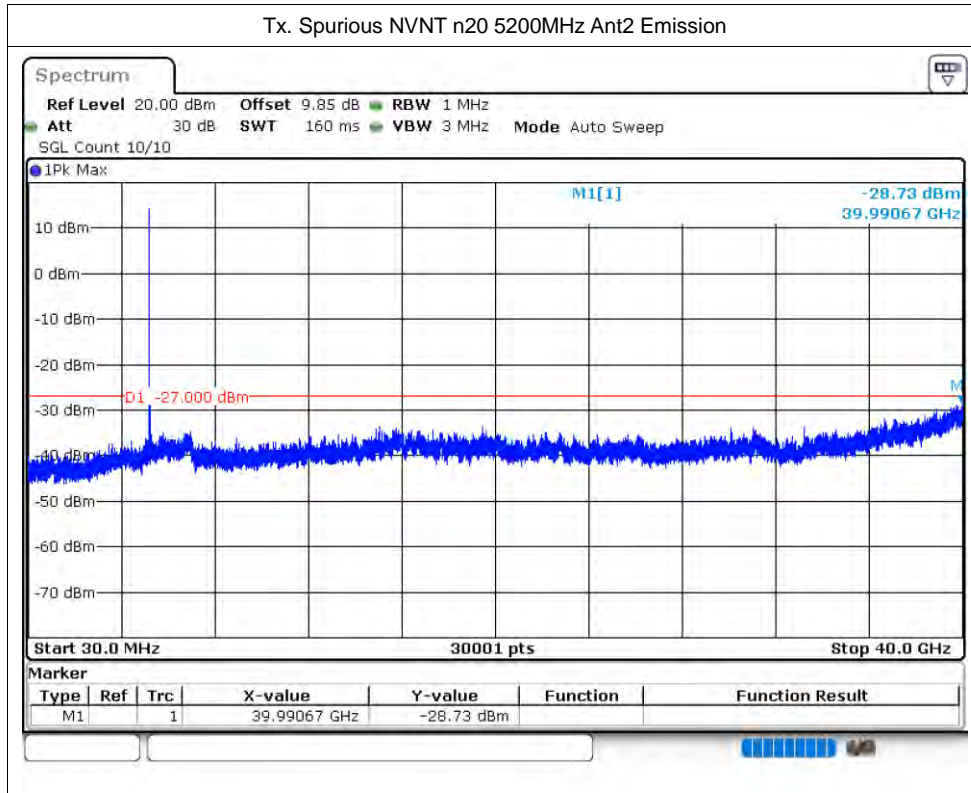


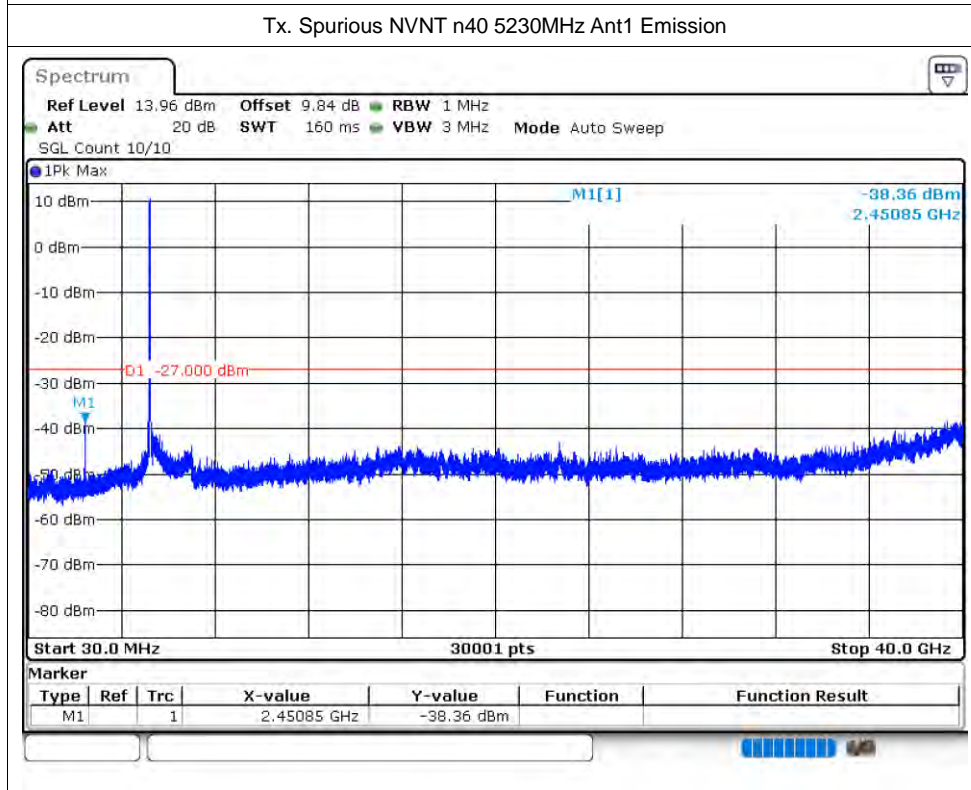
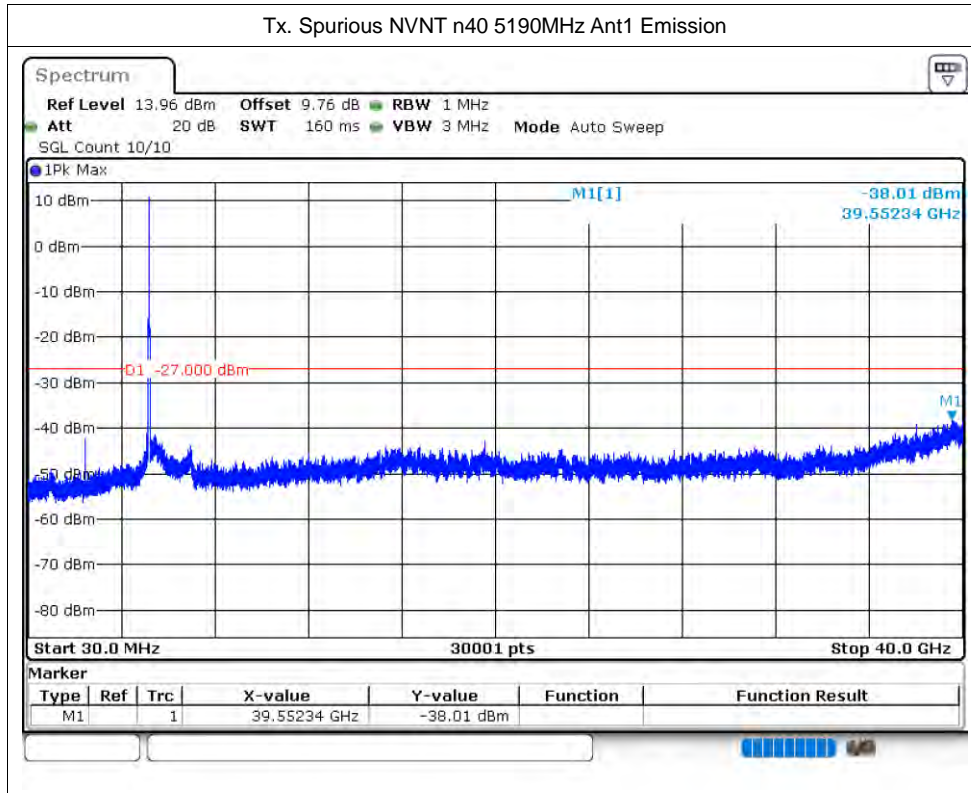


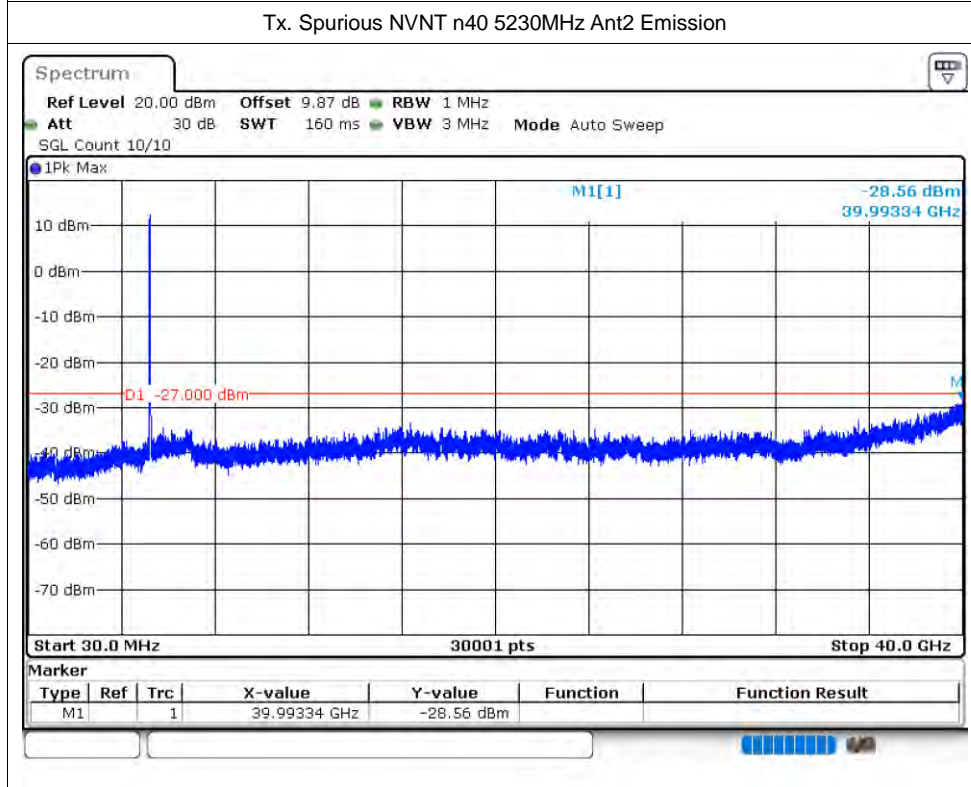
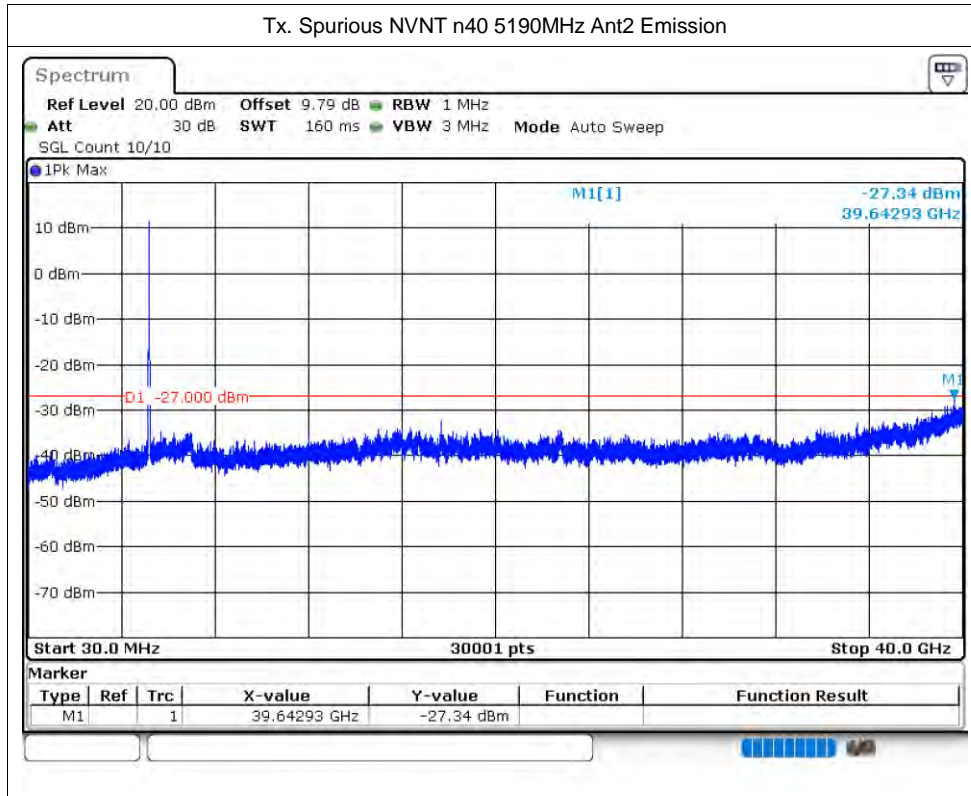












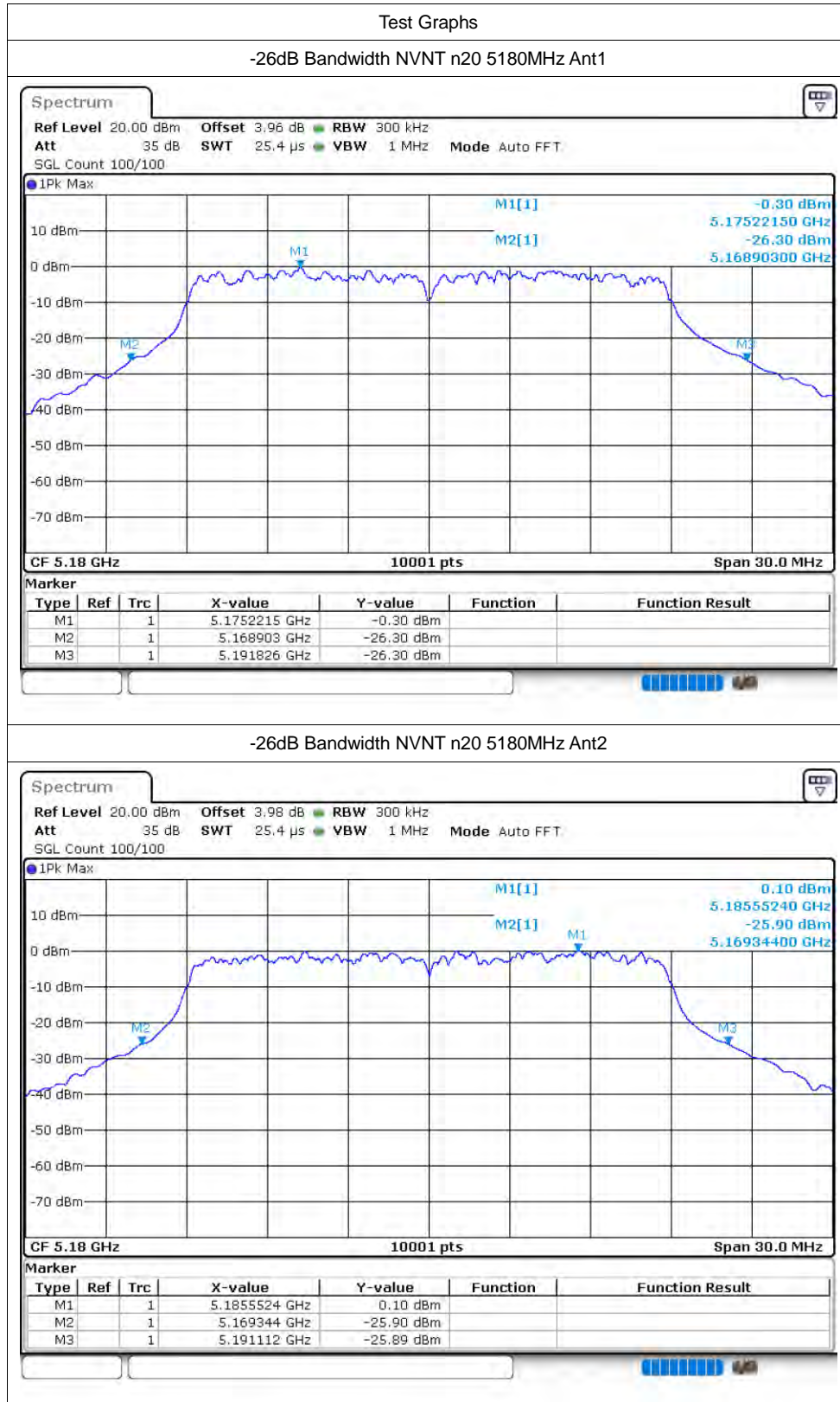
5.2G-MIMO:

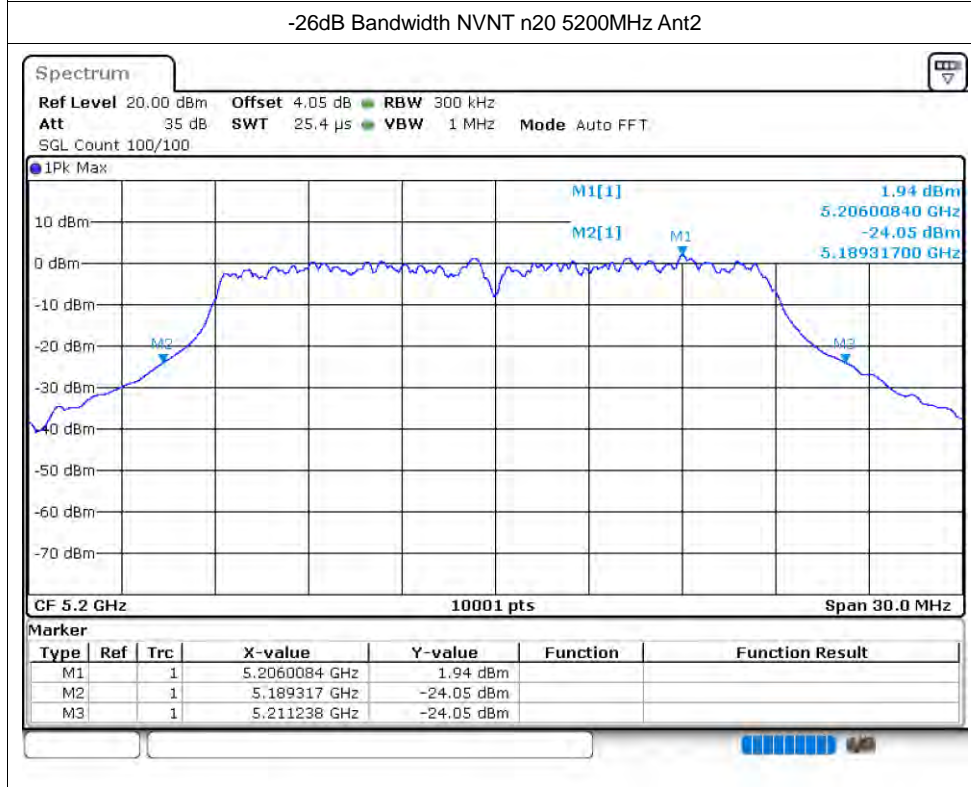
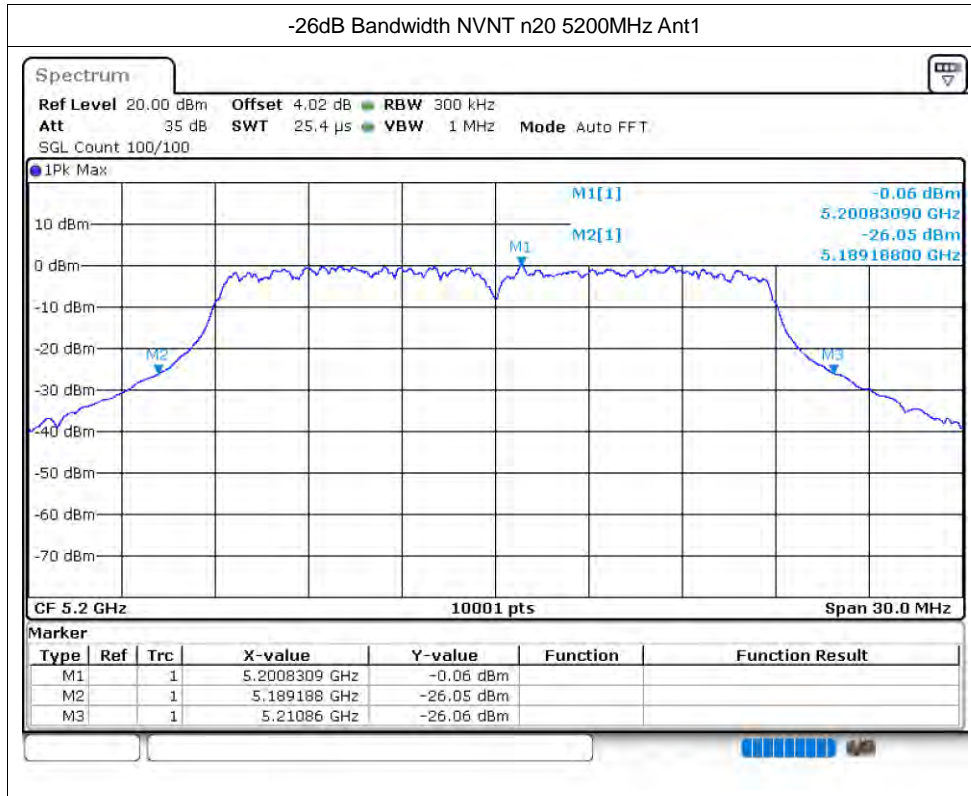
Maximum Conducted Output Power

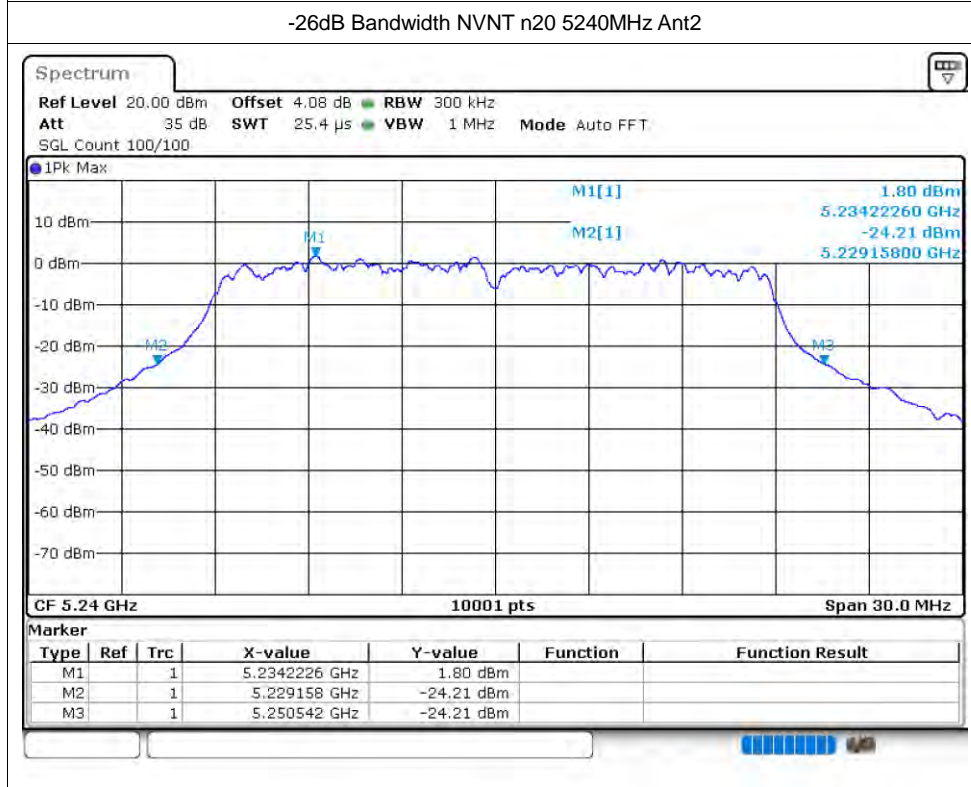
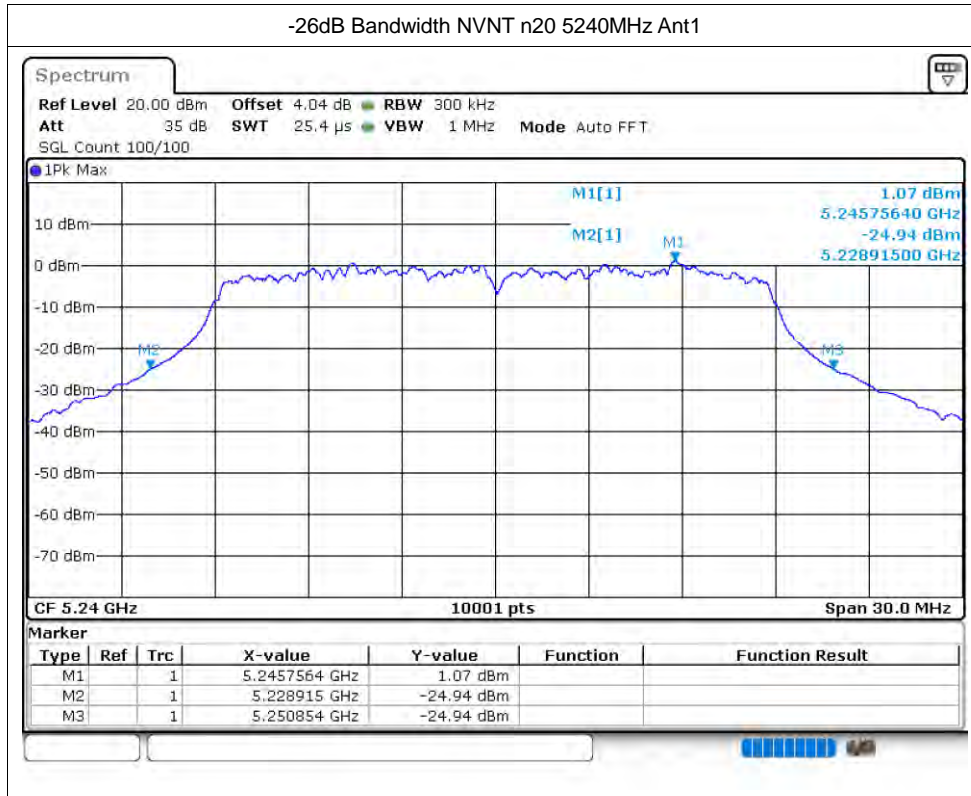
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	n20	5180	Ant1	10.98	--	Pass
NVNT	n20	5180	Ant2	11.78	--	Pass
NVNT	n20	5180	Sum	14.41	21.42	Pass
NVNT	n20	5200	Ant1	11.41	--	Pass
NVNT	n20	5200	Ant2	12.01	--	Pass
NVNT	n20	5200	Sum	14.73	21.42	Pass
NVNT	n20	5240	Ant1	11.33	--	Pass
NVNT	n20	5240	Ant2	11.9	--	Pass
NVNT	n20	5240	Sum	14.63	21.42	Pass
NVNT	n40	5190	Ant1	11.2	--	Pass
NVNT	n40	5190	Ant2	11.99	--	Pass
NVNT	n40	5190	Sum	14.62	21.42	Pass
NVNT	n40	5230	Ant1	11.16	--	Pass
NVNT	n40	5230	Ant2	12.24	--	Pass
NVNT	n40	5230	Sum	14.74	21.42	Pass

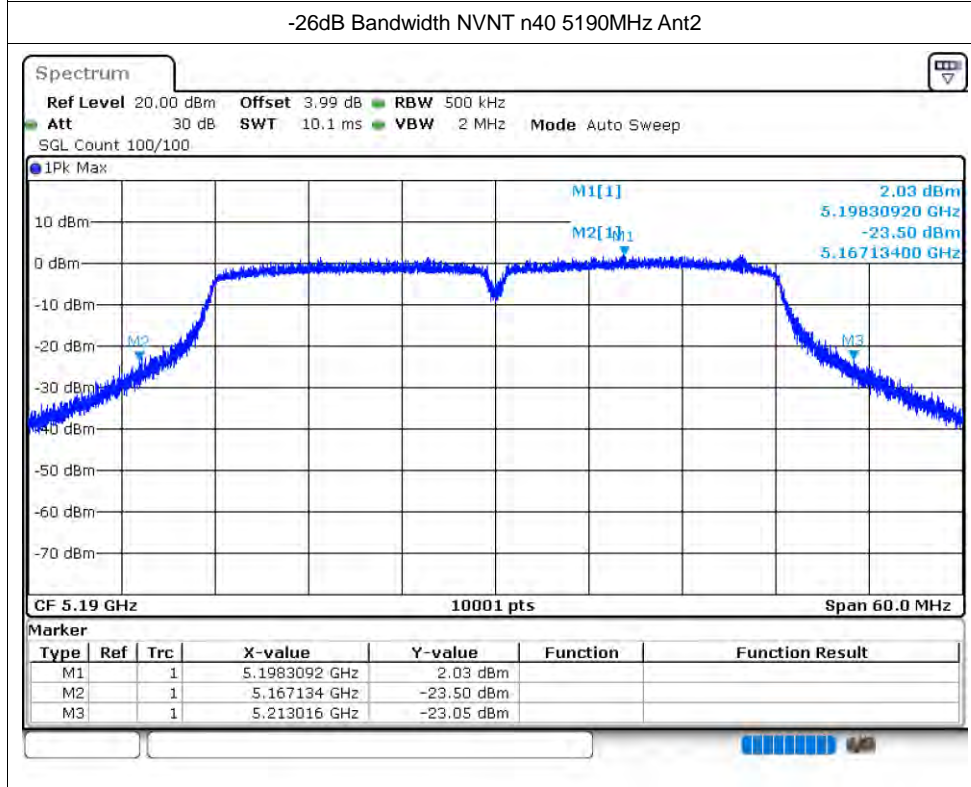
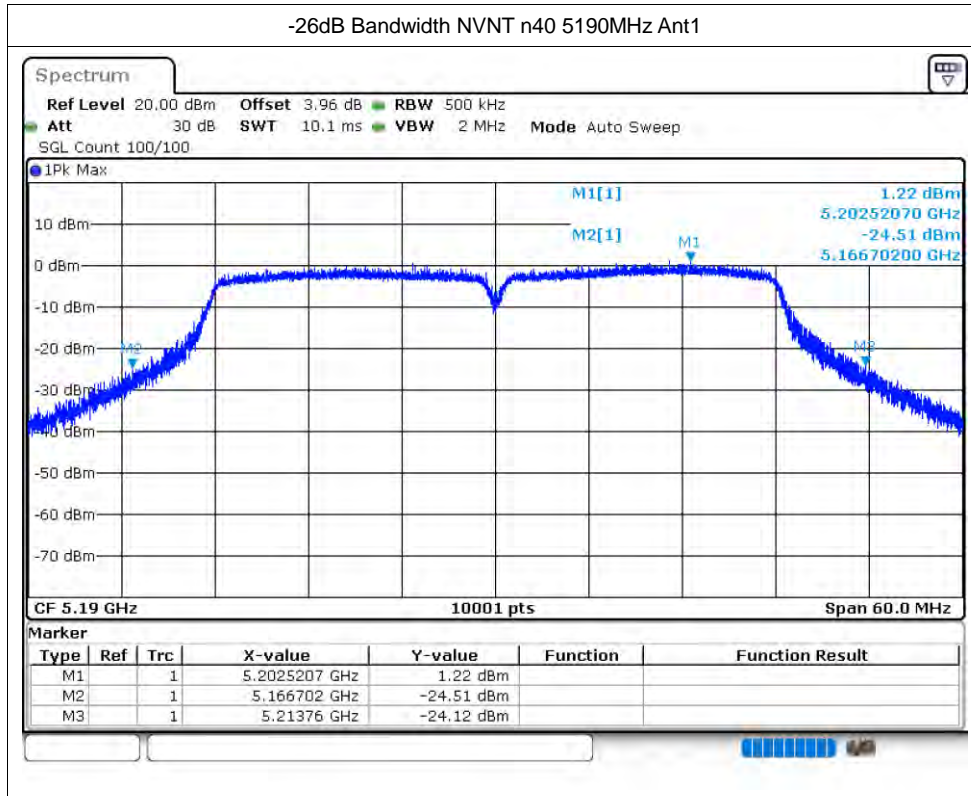
-26dB Bandwidth

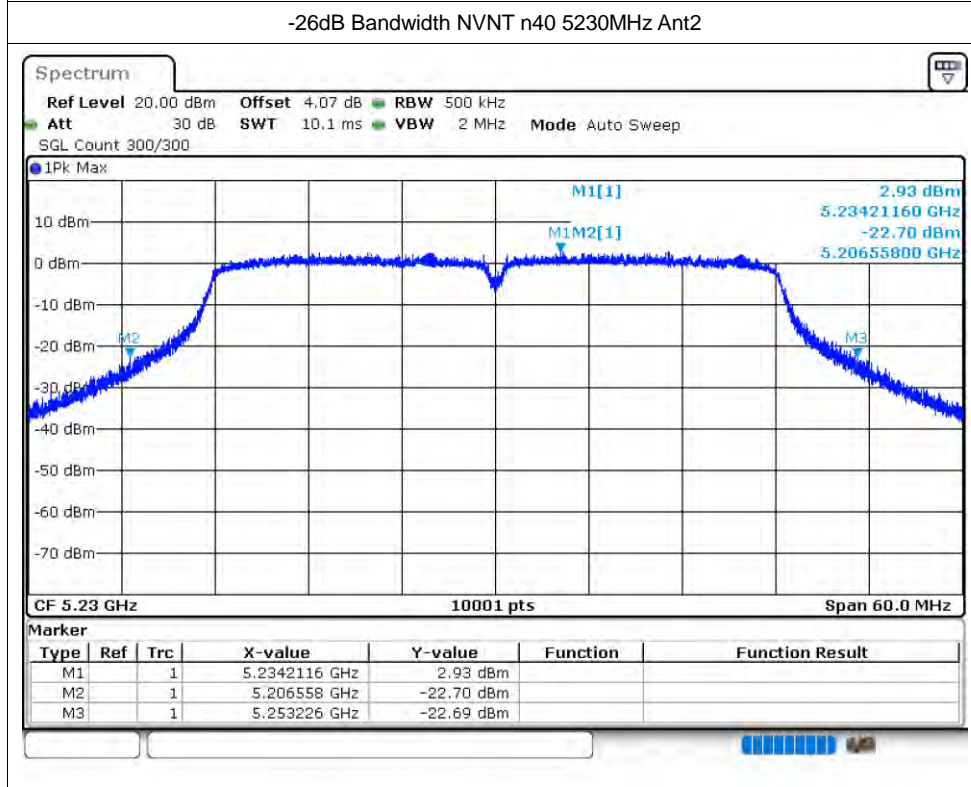
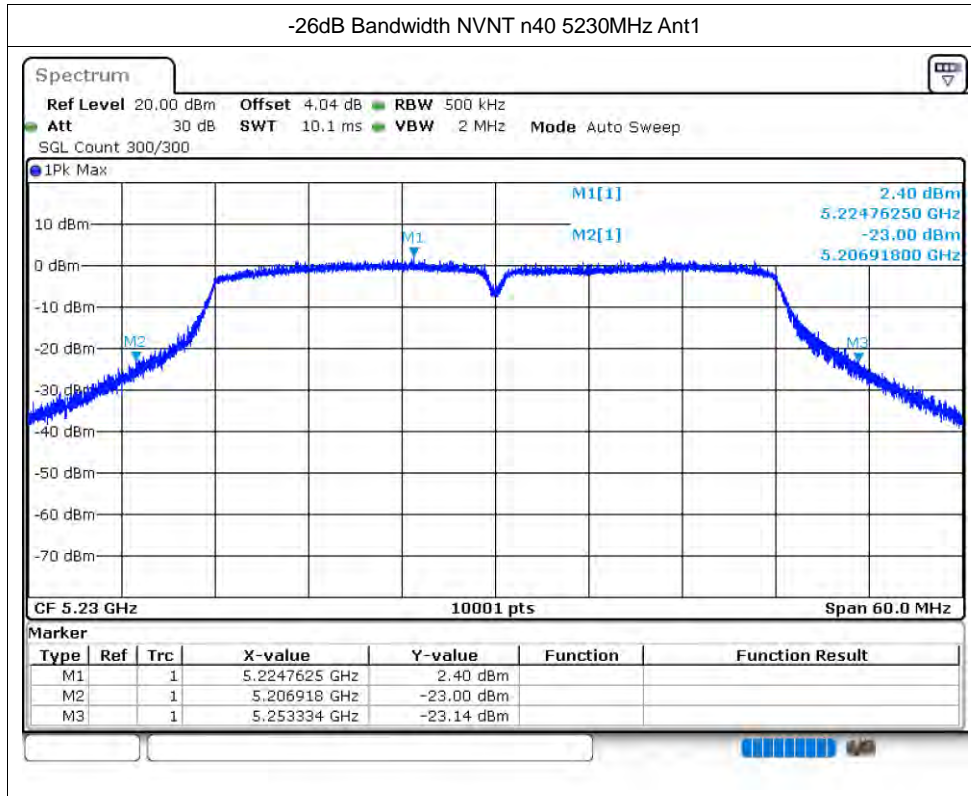
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	n20	5180	Ant1	22.923	Pass
NVNT	n20	5180	Ant2	21.768	Pass
NVNT	n20	5200	Ant1	21.672	Pass
NVNT	n20	5200	Ant2	21.921	Pass
NVNT	n20	5240	Ant1	21.939	Pass
NVNT	n20	5240	Ant2	21.384	Pass
NVNT	n40	5190	Ant1	47.058	Pass
NVNT	n40	5190	Ant2	45.882	Pass
NVNT	n40	5230	Ant1	46.416	Pass
NVNT	n40	5230	Ant2	46.668	Pass









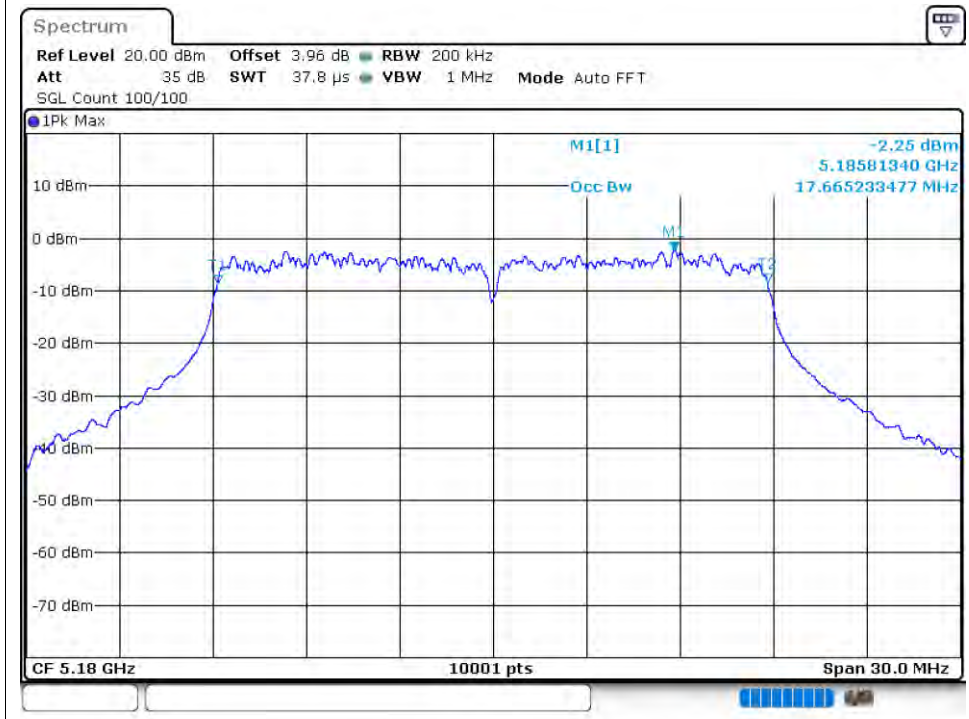


Occupied Channel Bandwidth

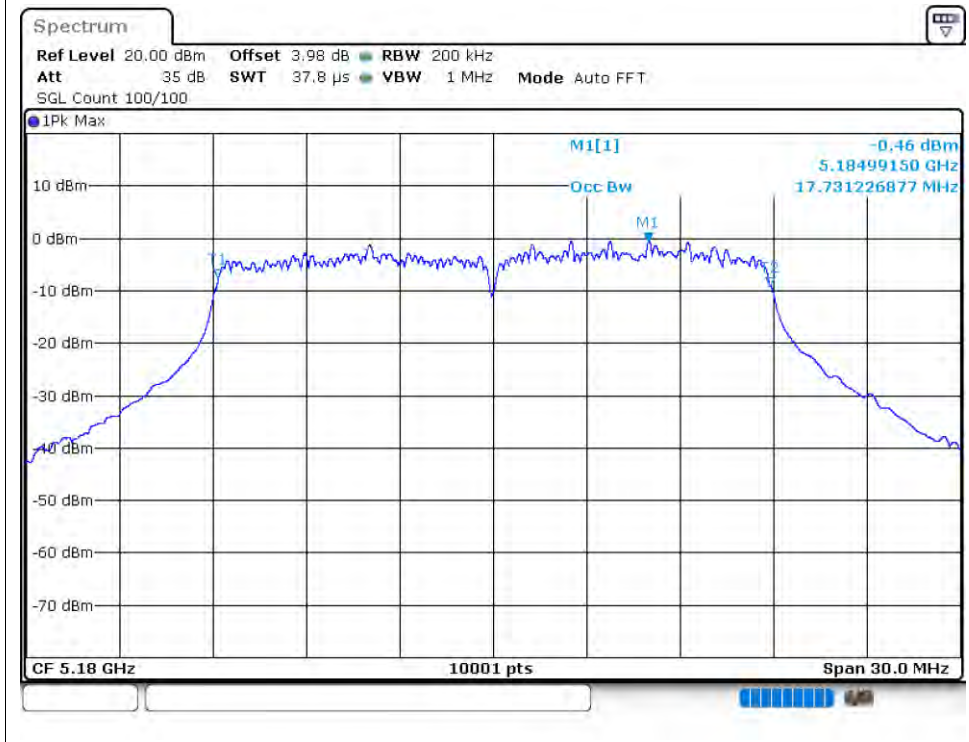
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	n20	5180	Ant1	17.665
NVNT	n20	5180	Ant2	17.731
NVNT	n20	5200	Ant1	17.755
NVNT	n20	5200	Ant2	17.689
NVNT	n20	5240	Ant1	17.806
NVNT	n20	5240	Ant2	17.89
NVNT	n40	5190	Ant1	36.65
NVNT	n40	5190	Ant2	36.416
NVNT	n40	5230	Ant1	36.668
NVNT	n40	5230	Ant2	36.452

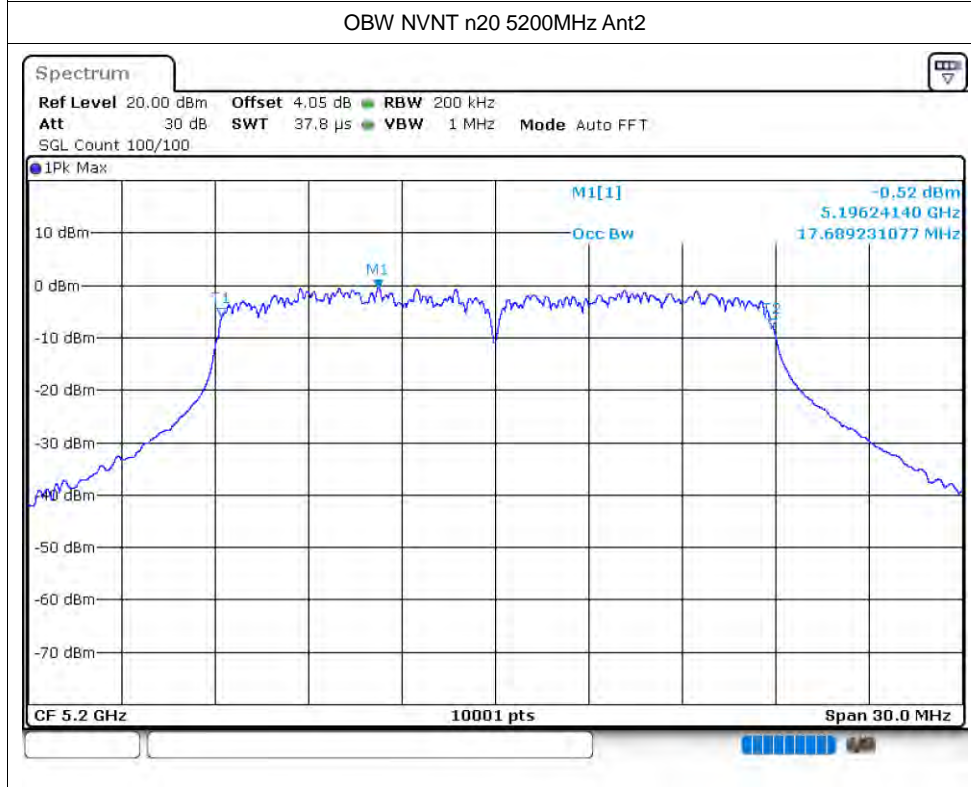
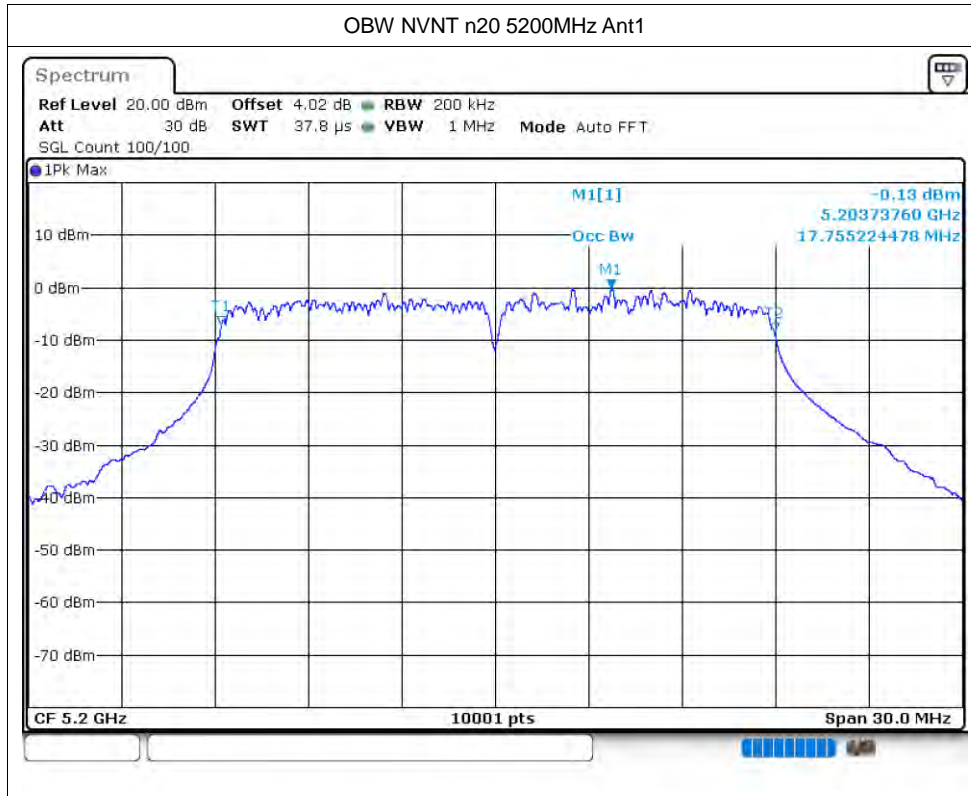
Test Graphs

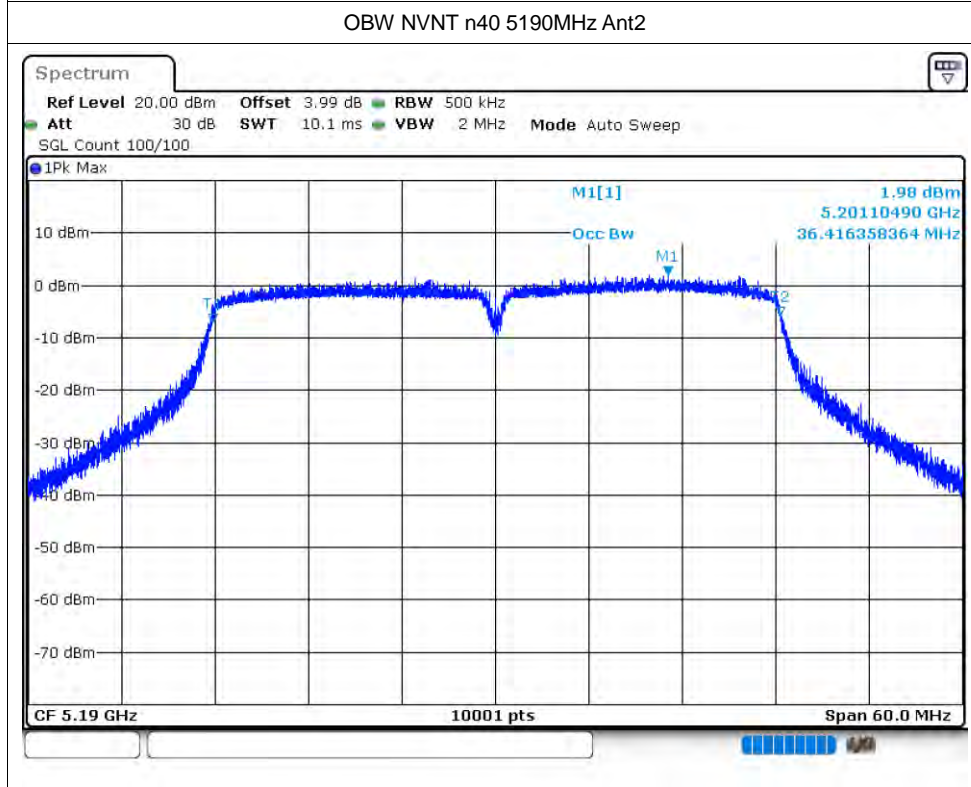
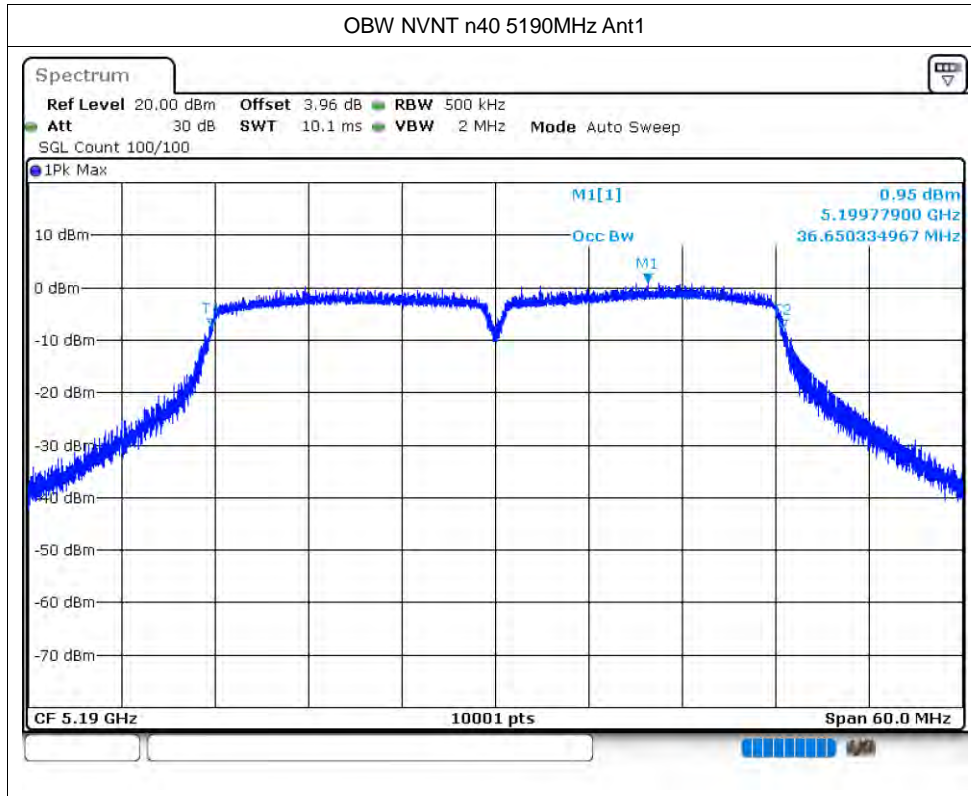
OBW NVNT n20 5180MHz Ant1

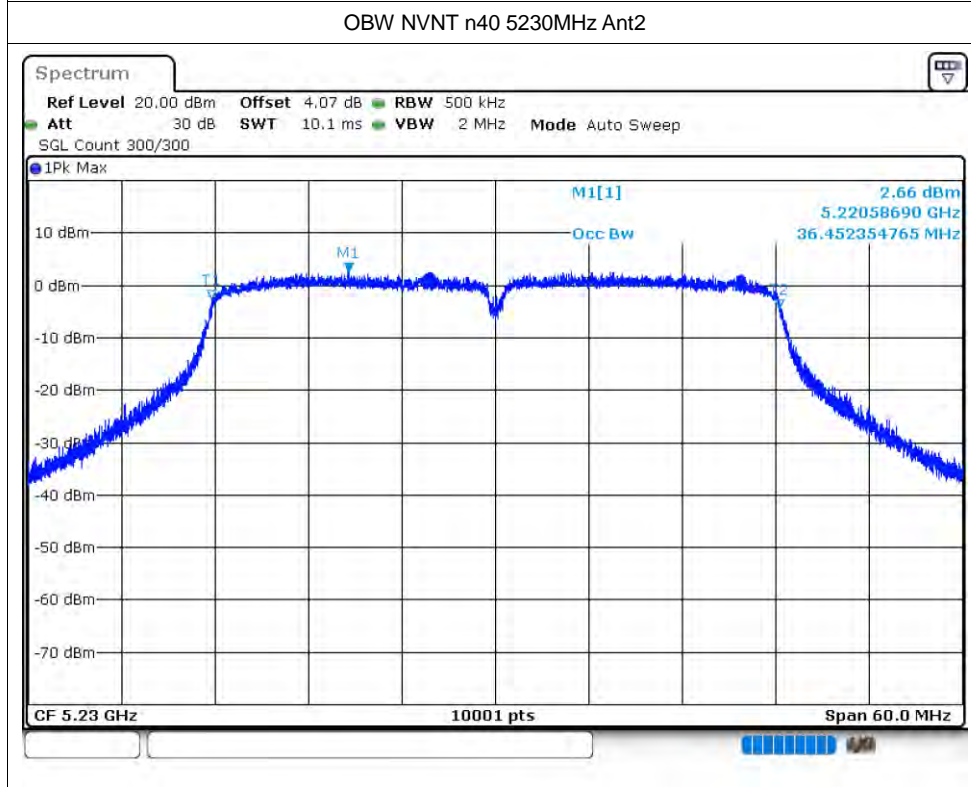
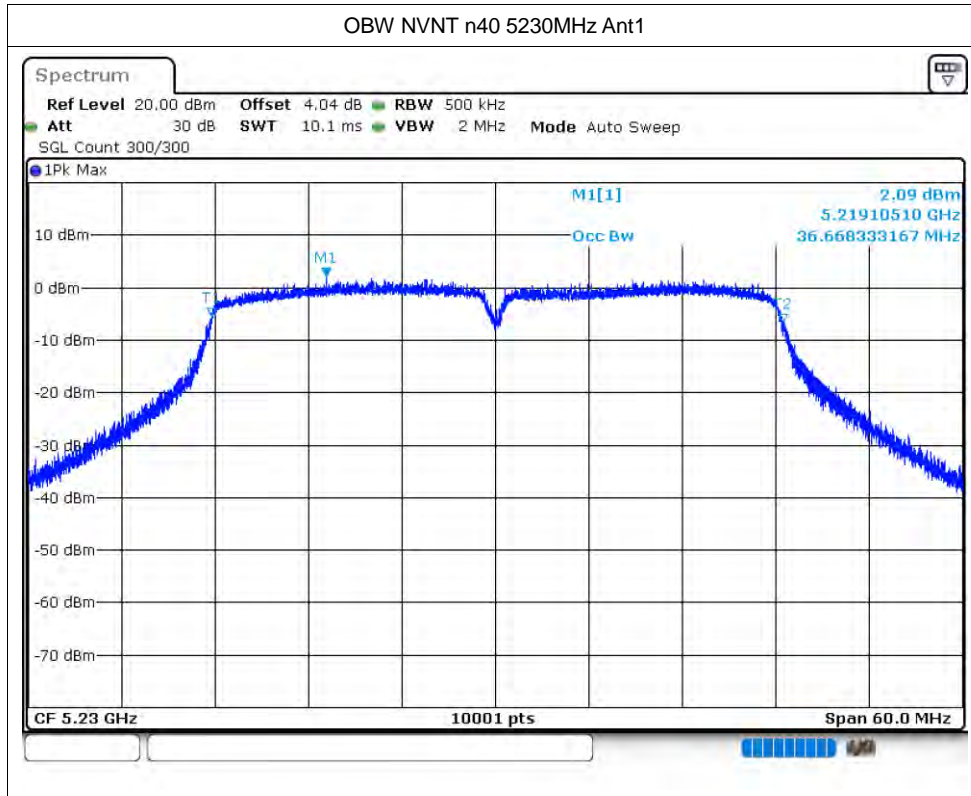


OBW NVNT n20 5180MHz Ant2







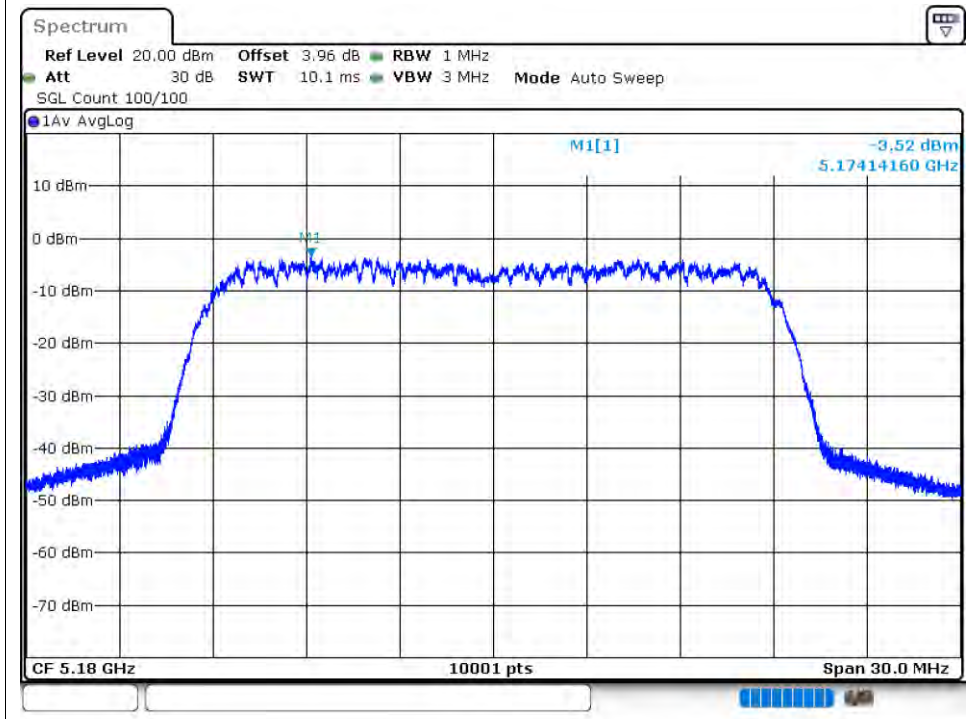


Maximum Power Spectral Density Level

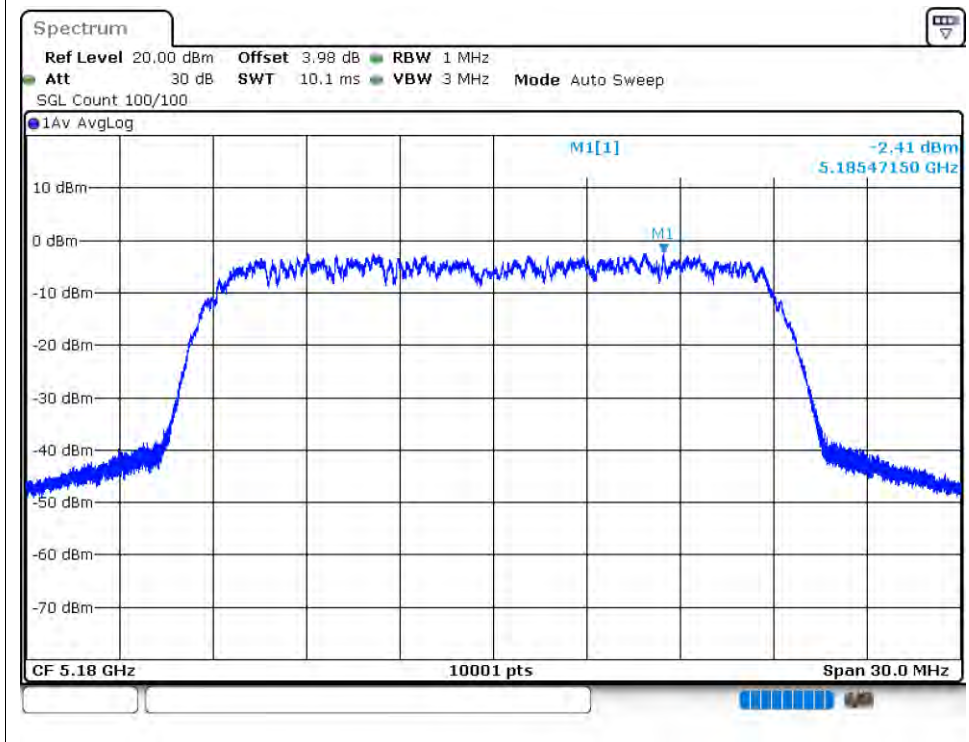
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	n20	5180	Ant1	-3.52	0.11	-3.41	--	Pass
NVNT	n20	5180	Ant2	-2.41	0.11	-2.3	--	Pass
NVNT	n20	5180	Sum			0.19	8.42	Pass
NVNT	n20	5200	Ant1	-2.77	0.11	-2.66	--	Pass
NVNT	n20	5200	Ant2	-1.75	0.11	-1.64	--	Pass
NVNT	n20	5200	Sum			0.89	8.42	Pass
NVNT	n20	5240	Ant1	-2.06	0.11	-1.95	--	Pass
NVNT	n20	5240	Ant2	-1.82	0.11	-1.71	--	Pass
NVNT	n20	5240	Sum			1.18	8.42	Pass
NVNT	n40	5190	Ant1	-5.16	0.15	-5.01	--	Pass
NVNT	n40	5190	Ant2	-4.47	0.15	-4.32	--	Pass
NVNT	n40	5190	Sum			-1.64	8.42	Pass
NVNT	n40	5230	Ant1	-6.46	0.14	-6.32	--	Pass
NVNT	n40	5230	Ant2	-5.33	0.14	-5.18	--	Pass
NVNT	n40	5230	Sum			-2.72	8.42	Pass

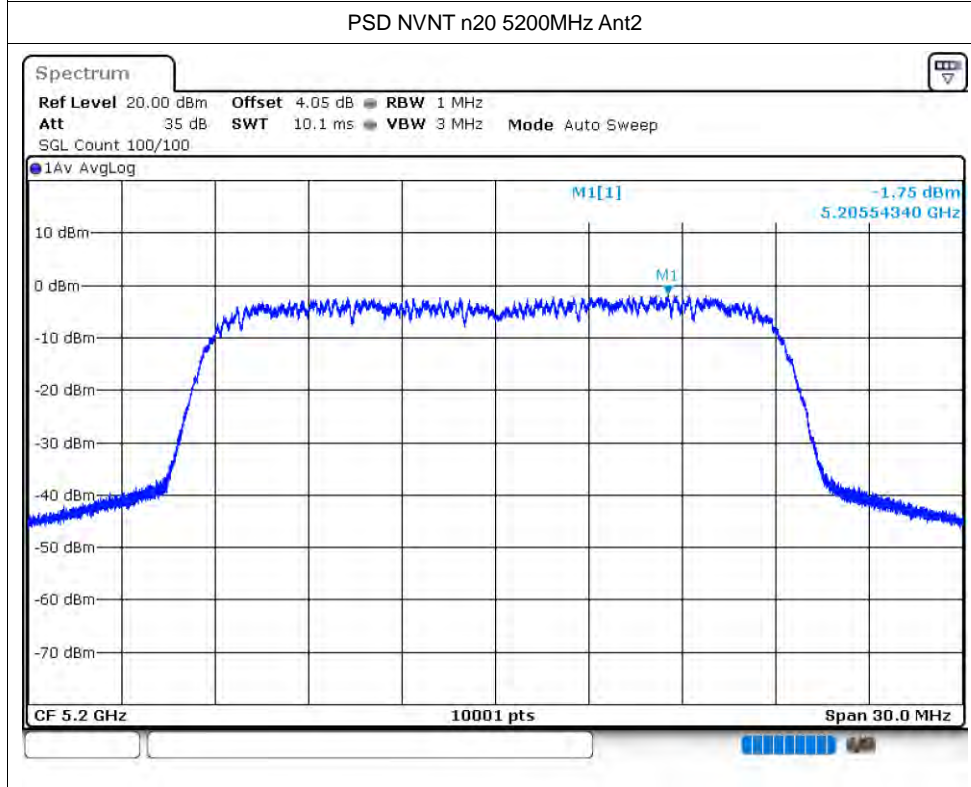
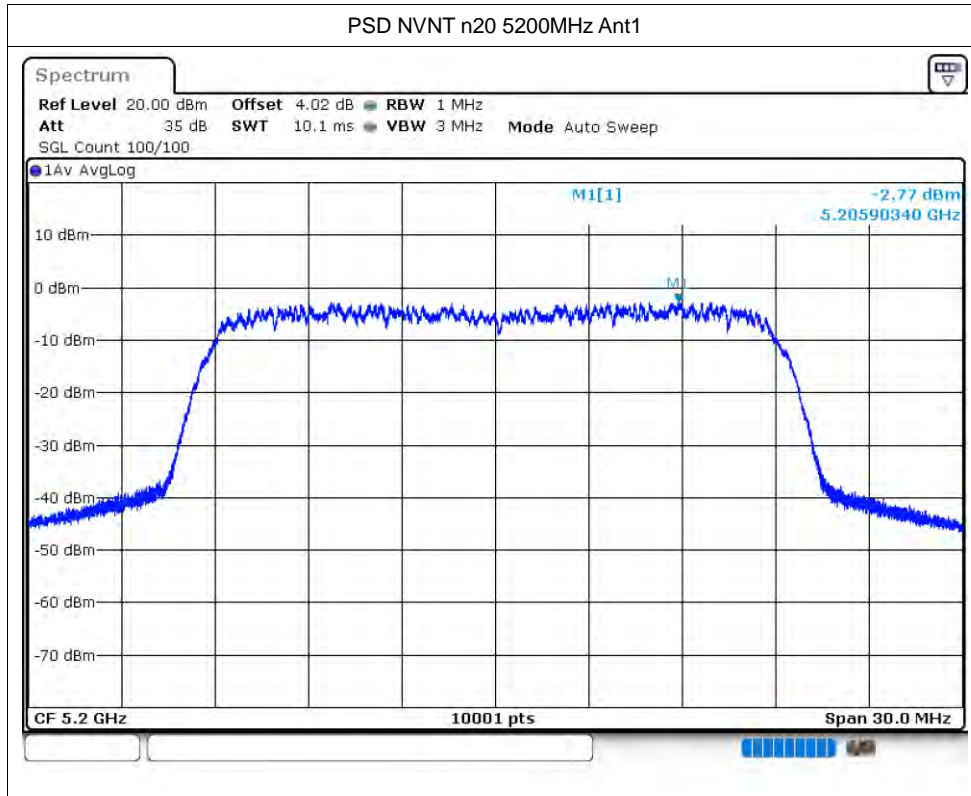
Test Graphs

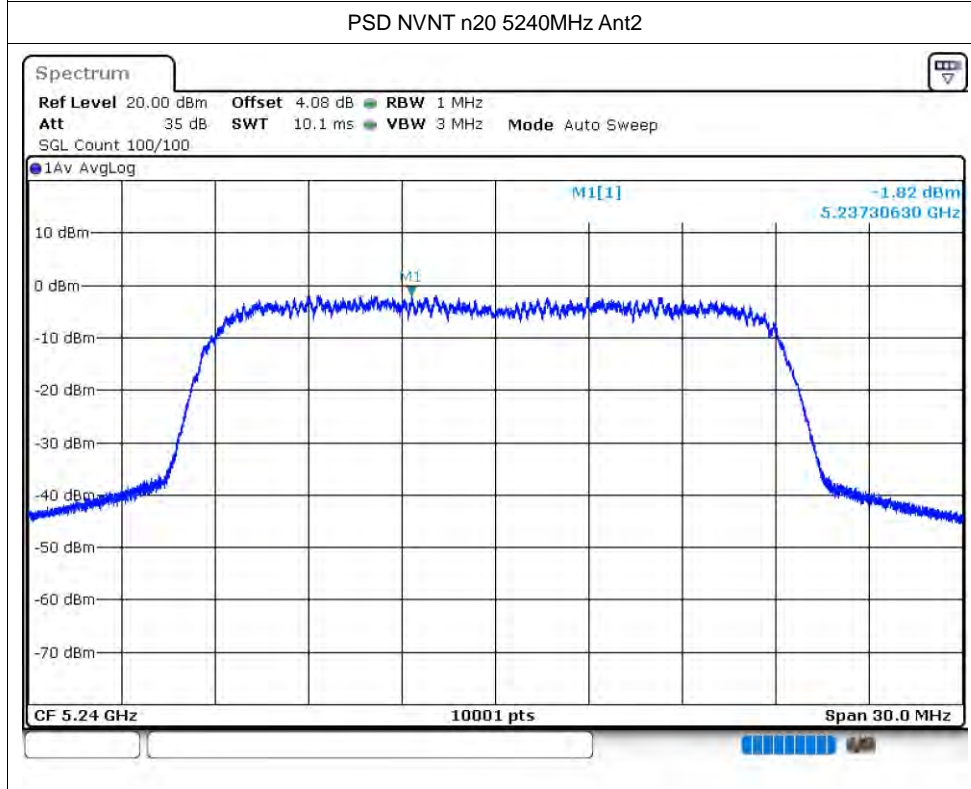
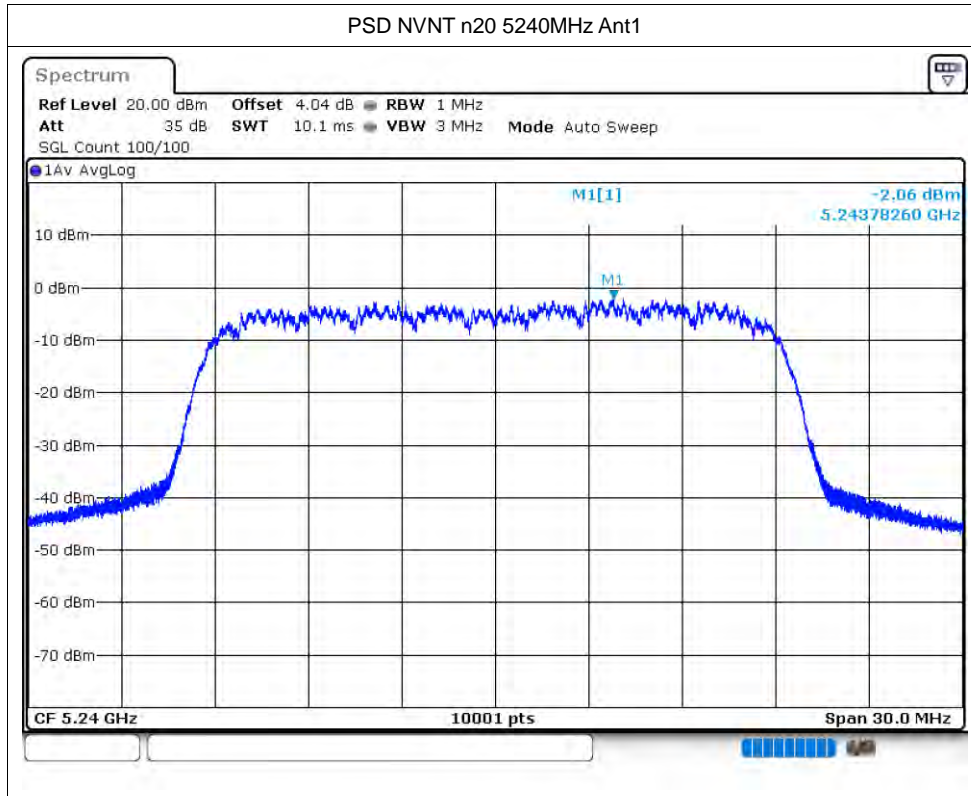
PSD NVNT n20 5180MHz Ant1

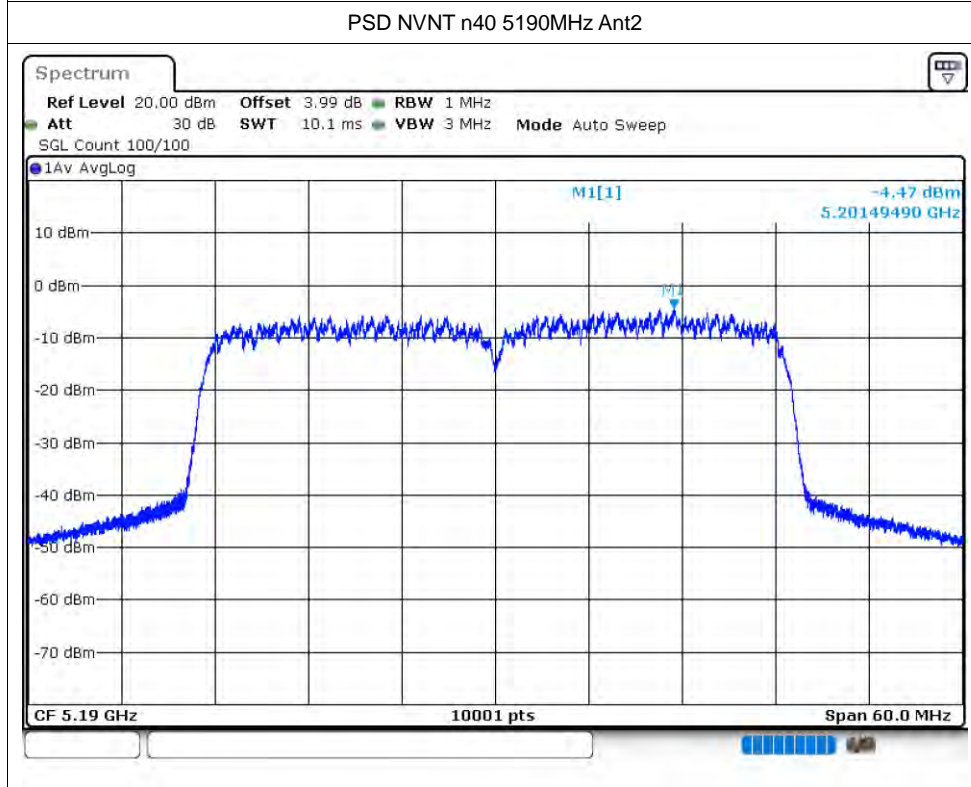
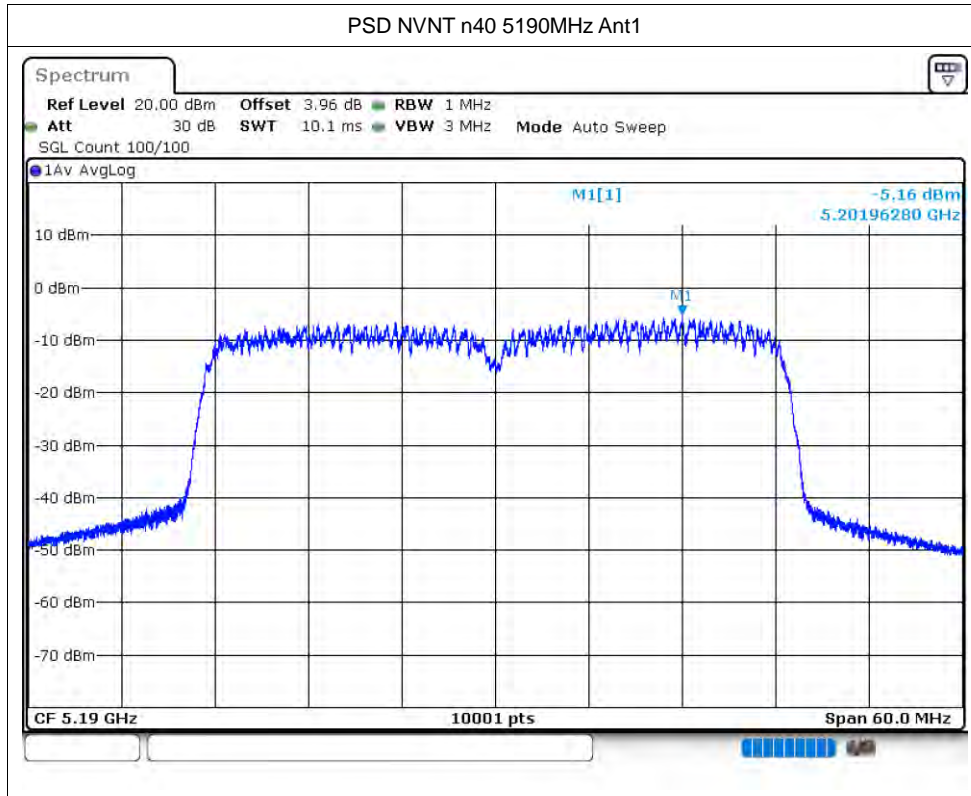


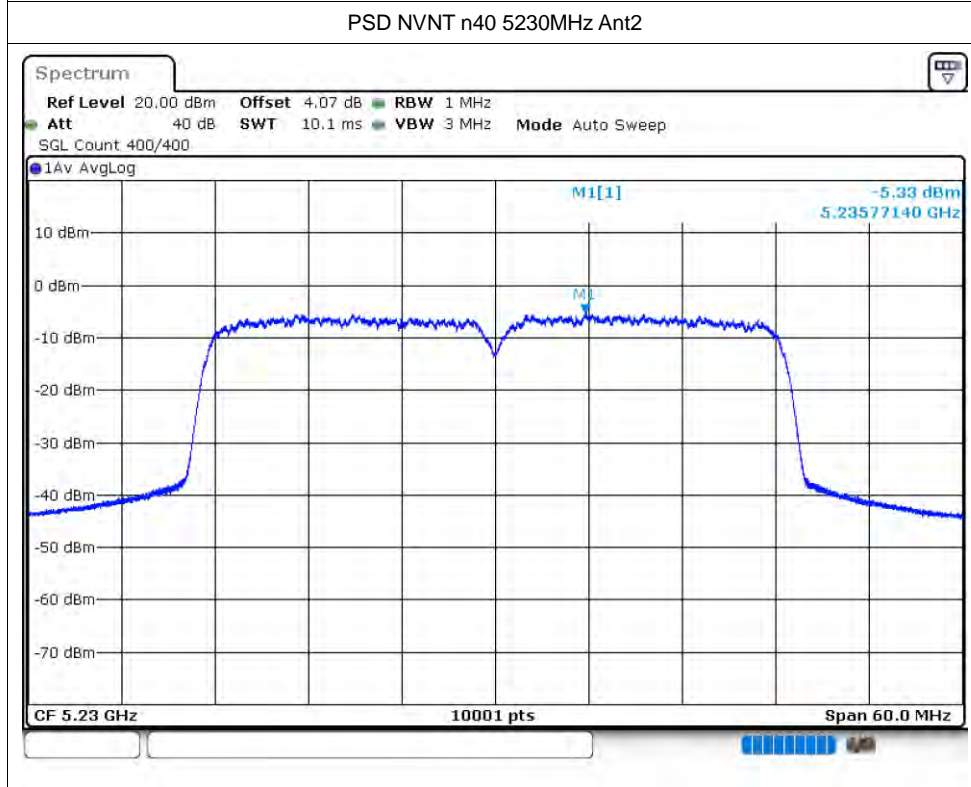
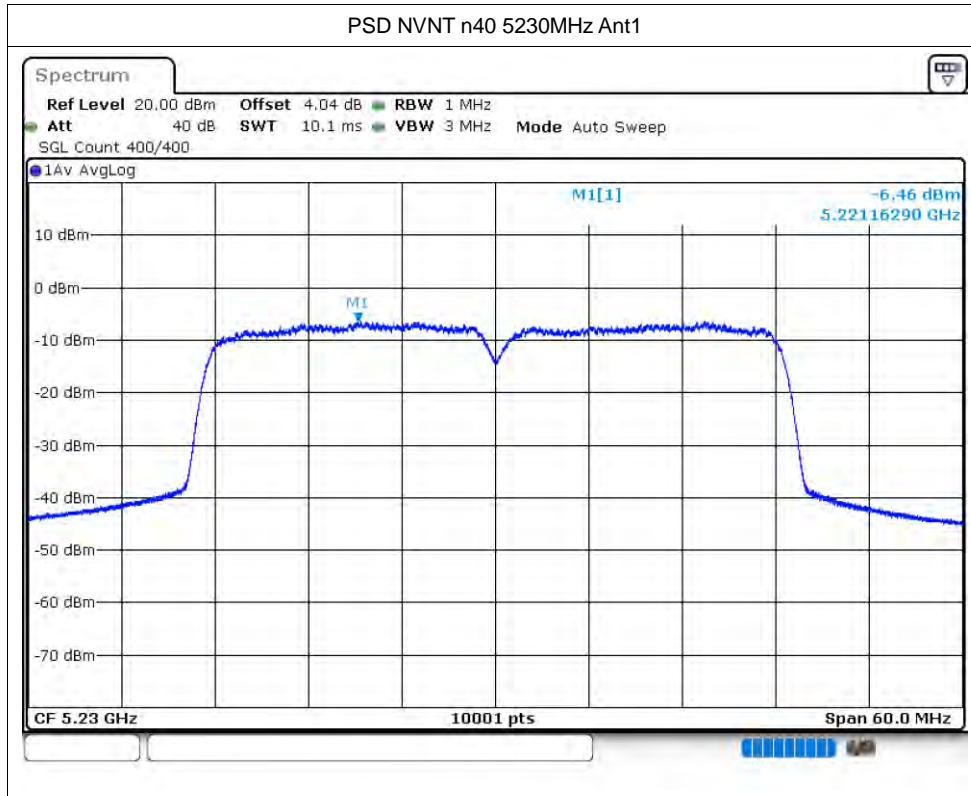
PSD NVNT n20 5180MHz Ant2









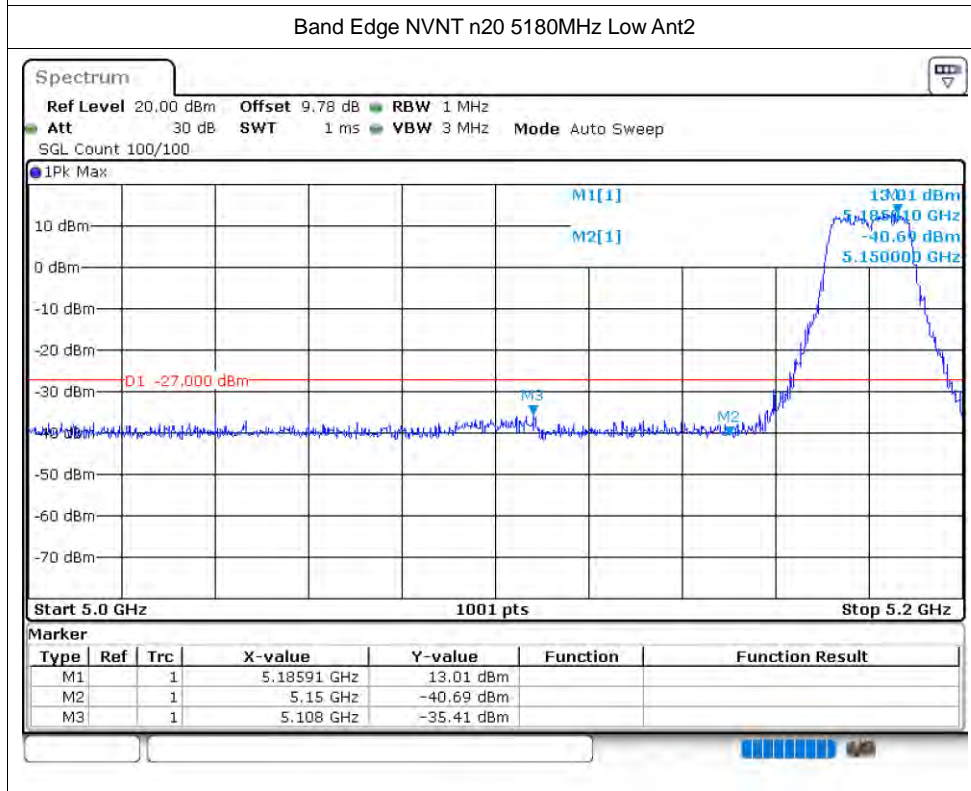
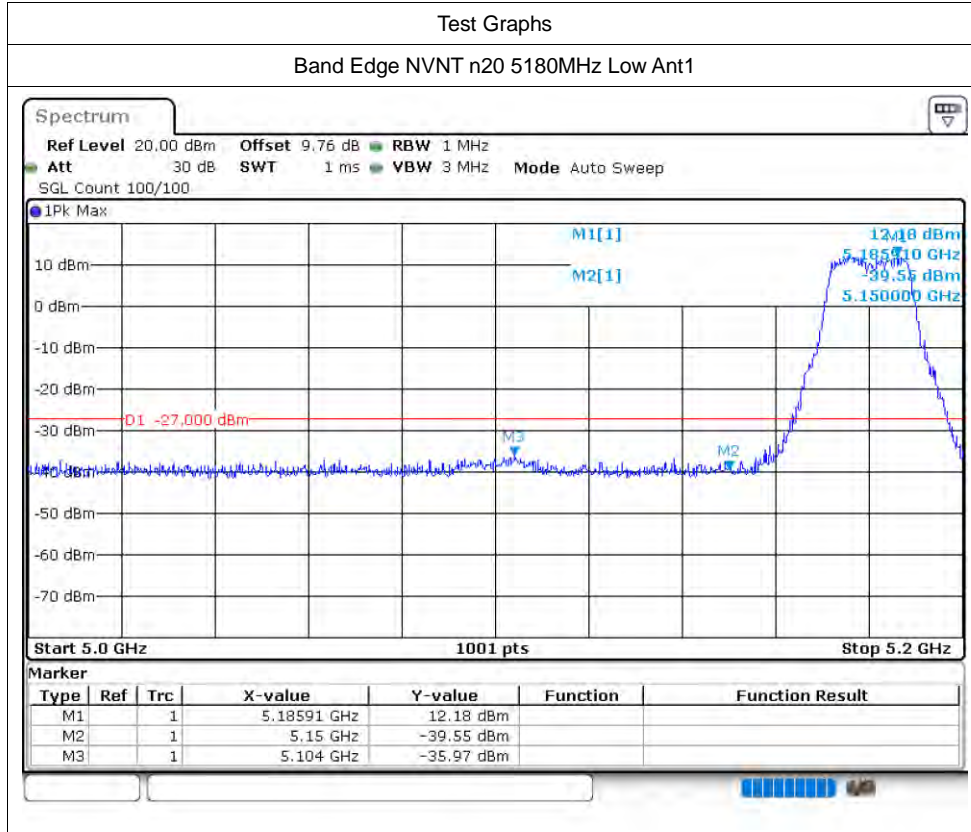


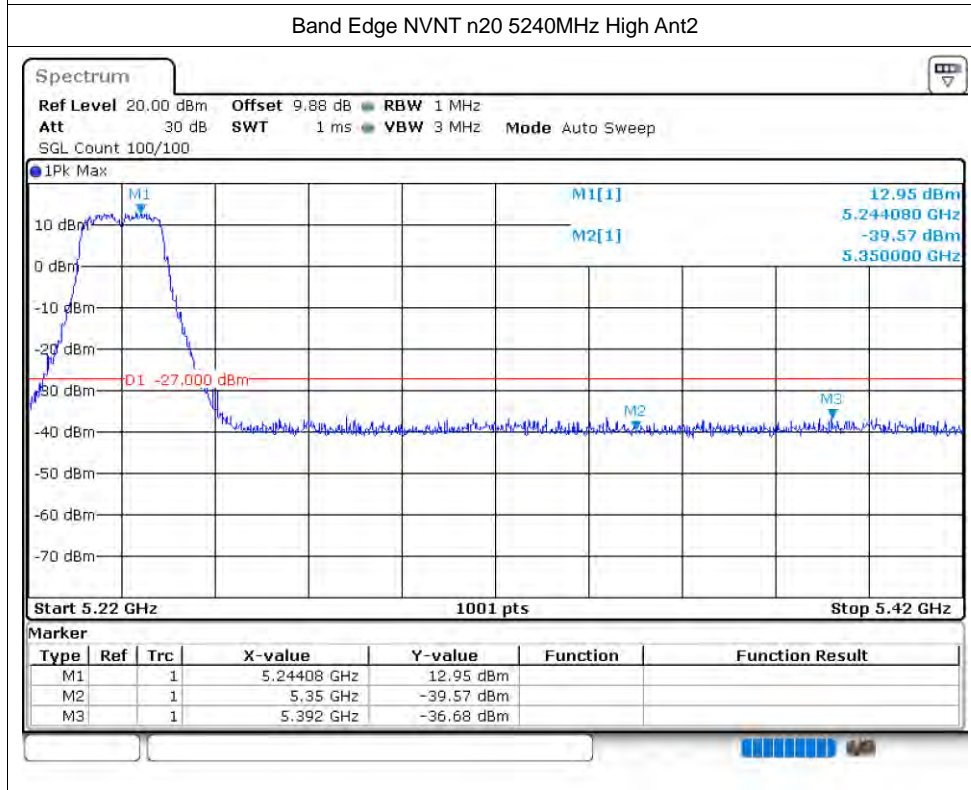
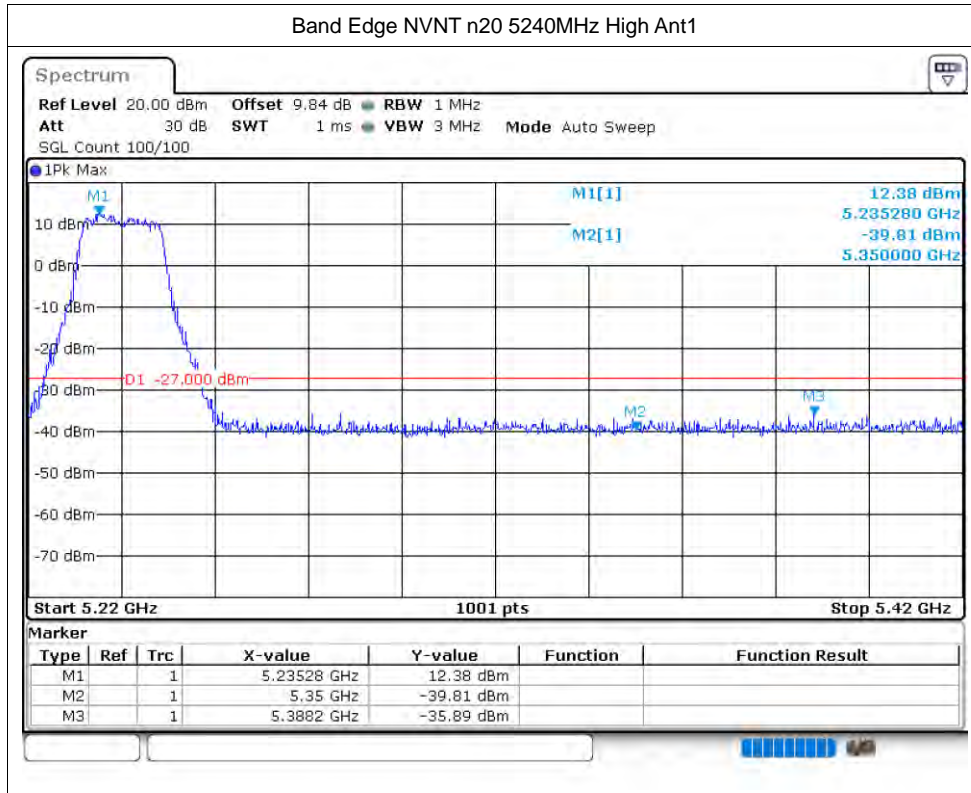
Band Edge

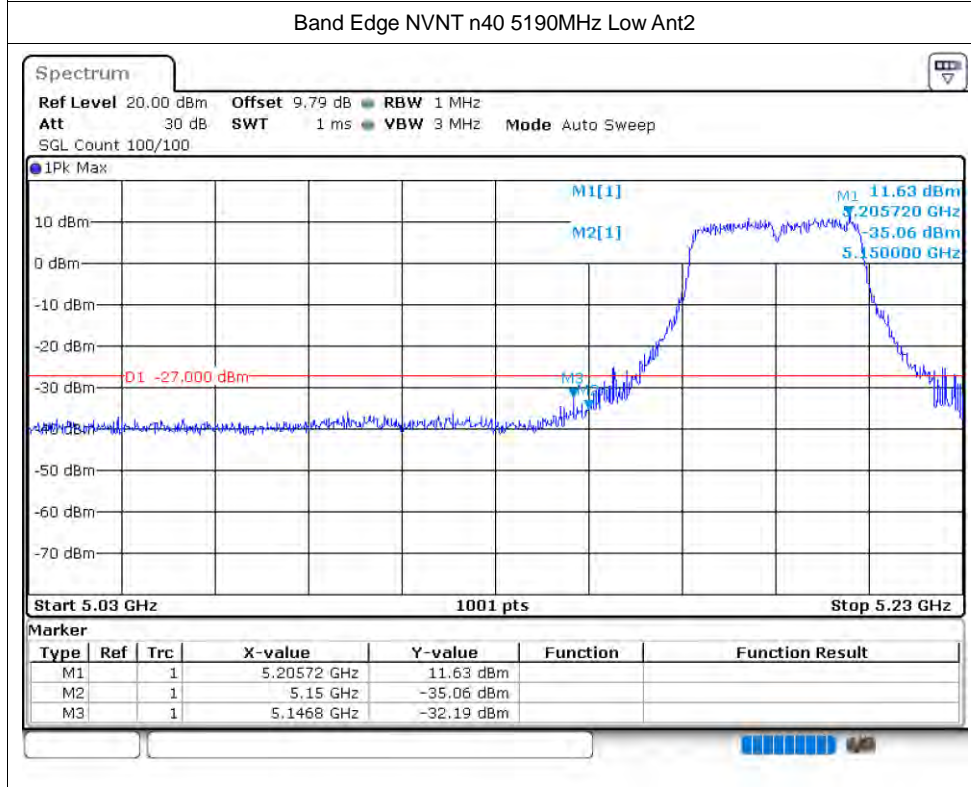
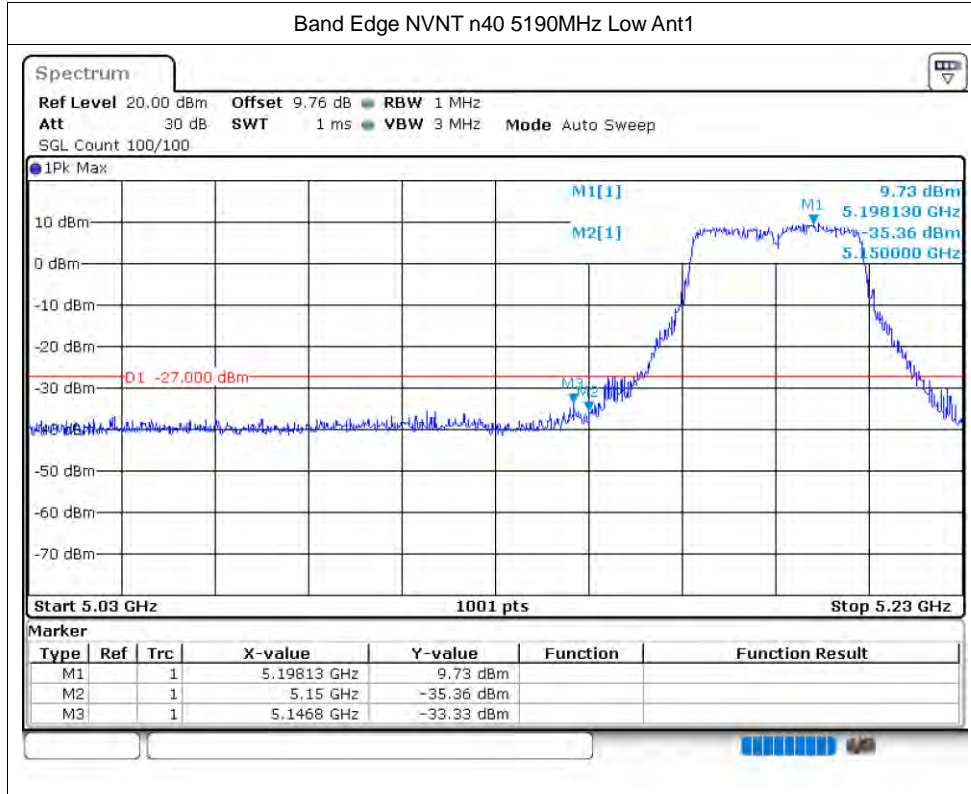
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	n20	5180	Ant1	-35.97	-27	Pass
NVNT	n20	5180	Ant2	-35.41	-27	Pass
NVNT	n20	5240	Ant1	-35.88	-27	Pass
NVNT	n20	5240	Ant2	-36.67	-27	Pass
NVNT	n40	5190	Ant1	-33.32	-27	Pass
NVNT	n40	5190	Ant2	-32.18	-27	Pass
NVNT	n40	5230	Ant1	-38.31	-27	Pass
NVNT	n40	5230	Ant2	-40	-27	Pass

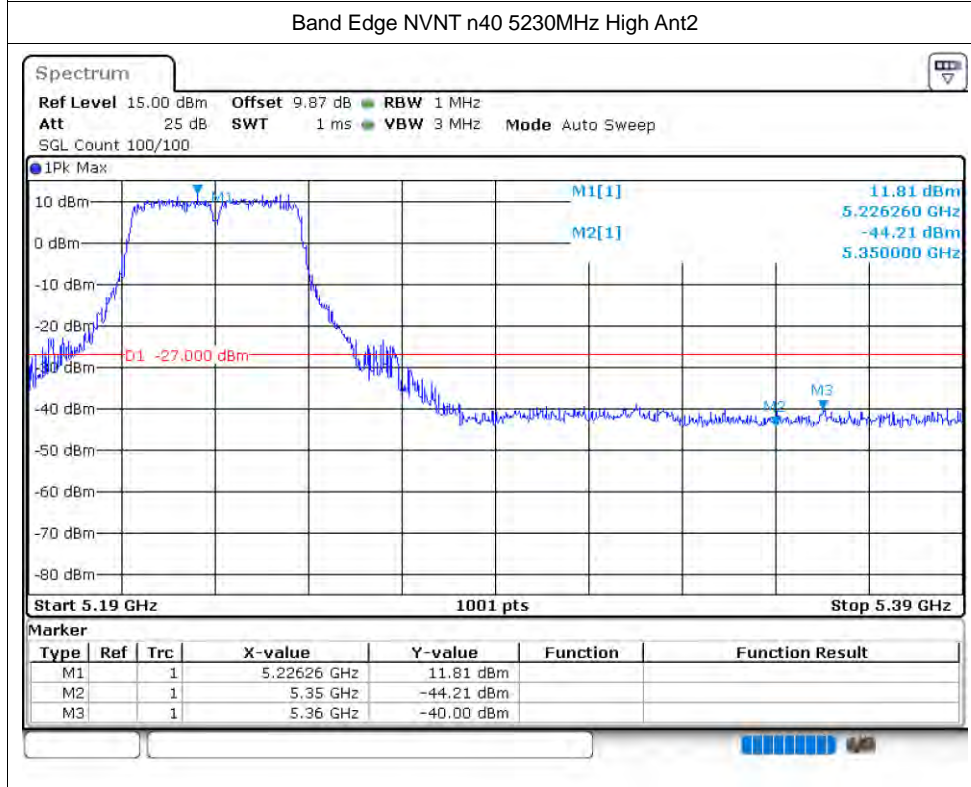
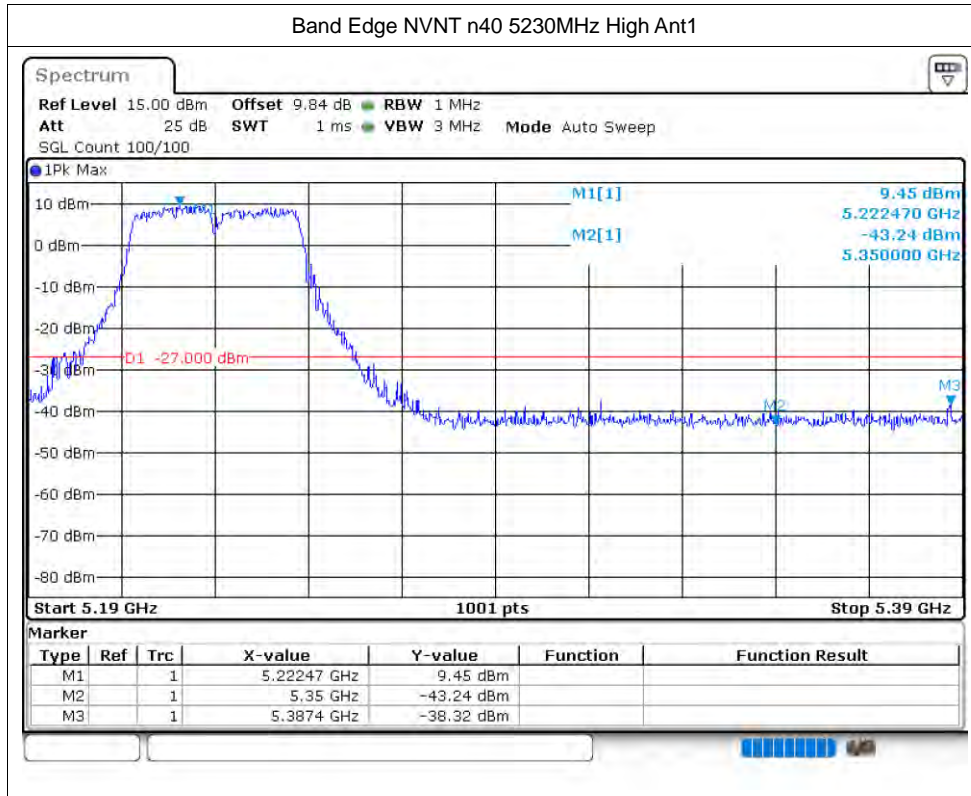
Note: 1) This test has increased antenna gain .

2) The ANT 1 & ANT 2 both has 3dB margin below the limit, so the MIMO mode is passed.









Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	n20	5180	Ant1	-28.79	-27	Pass
NVNT	n20	5180	Ant2	-28.26	-27	Pass
NVNT	n20	5200	Ant1	-28.8	-27	Pass
NVNT	n20	5200	Ant2	-28.2	-27	Pass
NVNT	n20	5240	Ant1	-28.73	-27	Pass
NVNT	n20	5240	Ant2	-28.11	-27	Pass
NVNT	n40	5190	Ant1	-28.32	-27	Pass
NVNT	n40	5190	Ant2	-28.3	-27	Pass
NVNT	n40	5230	Ant1	-29.04	-27	Pass
NVNT	n40	5230	Ant2	-28.35	-27	Pass

Note: This test has increased antenna gain .

