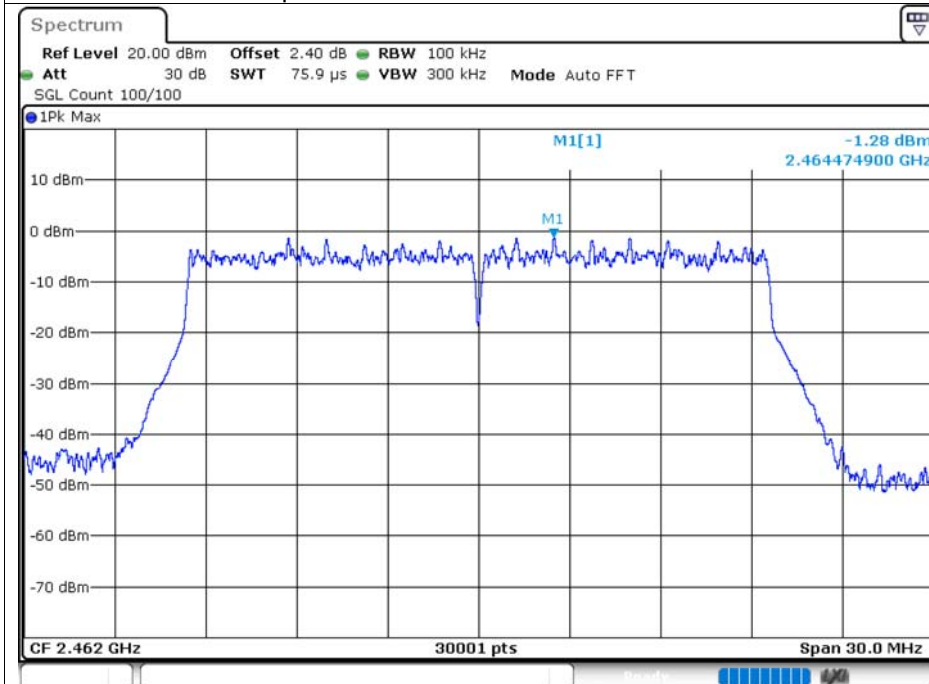
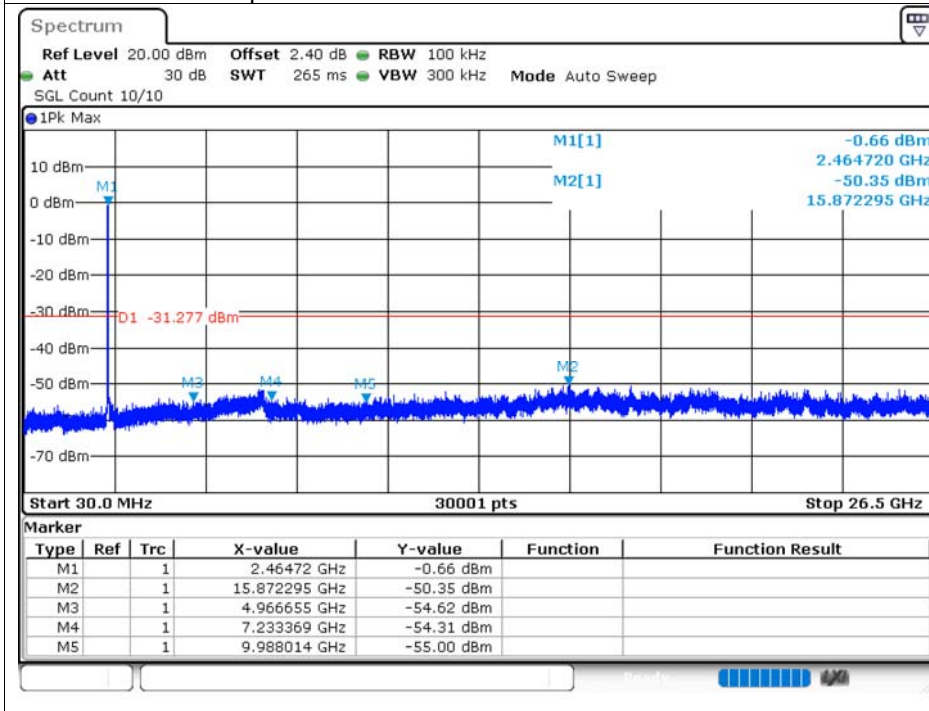


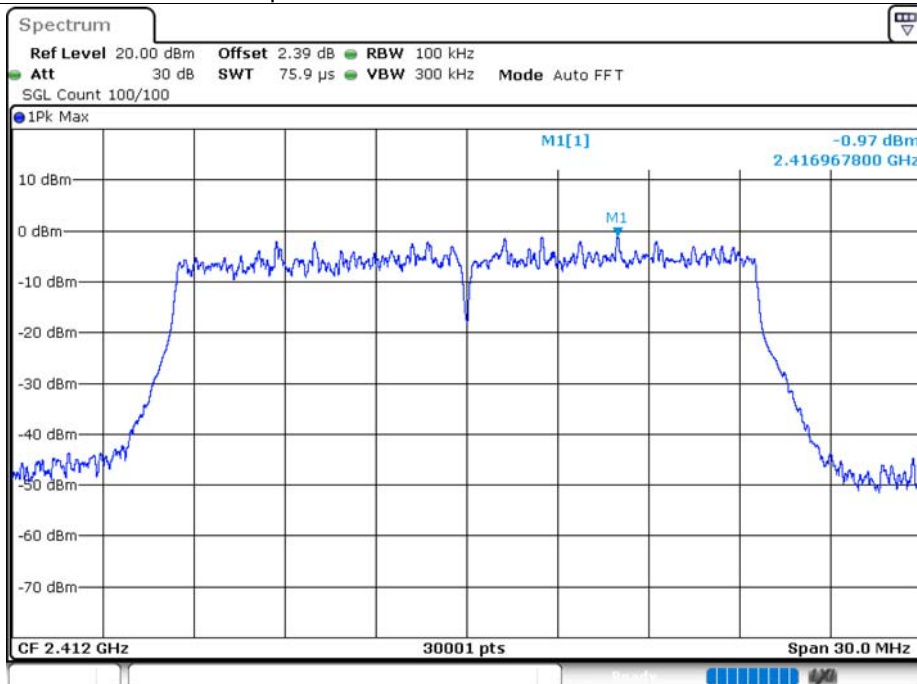
Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



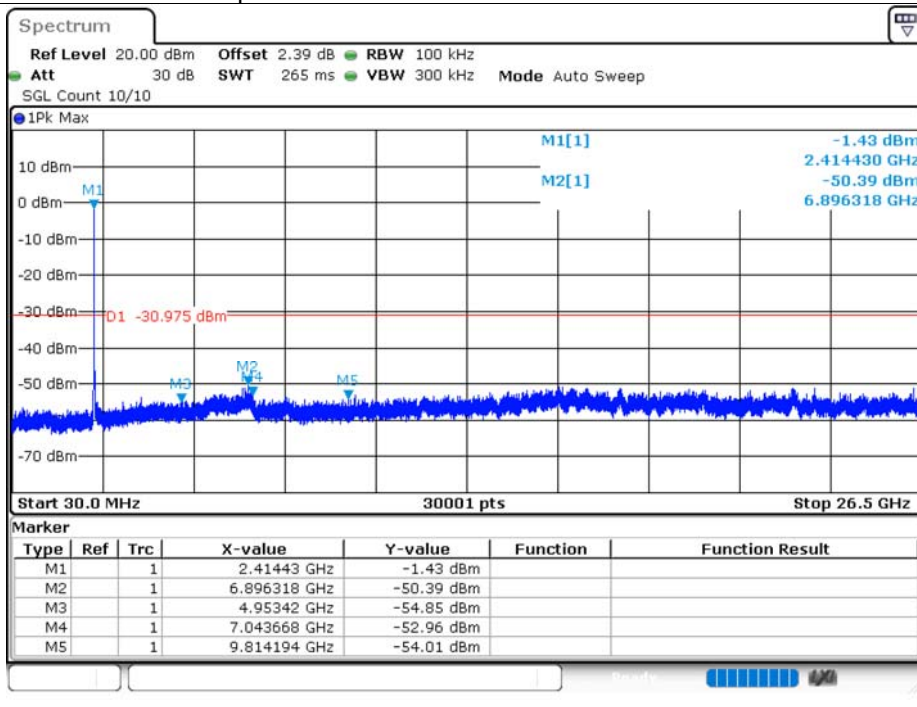
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



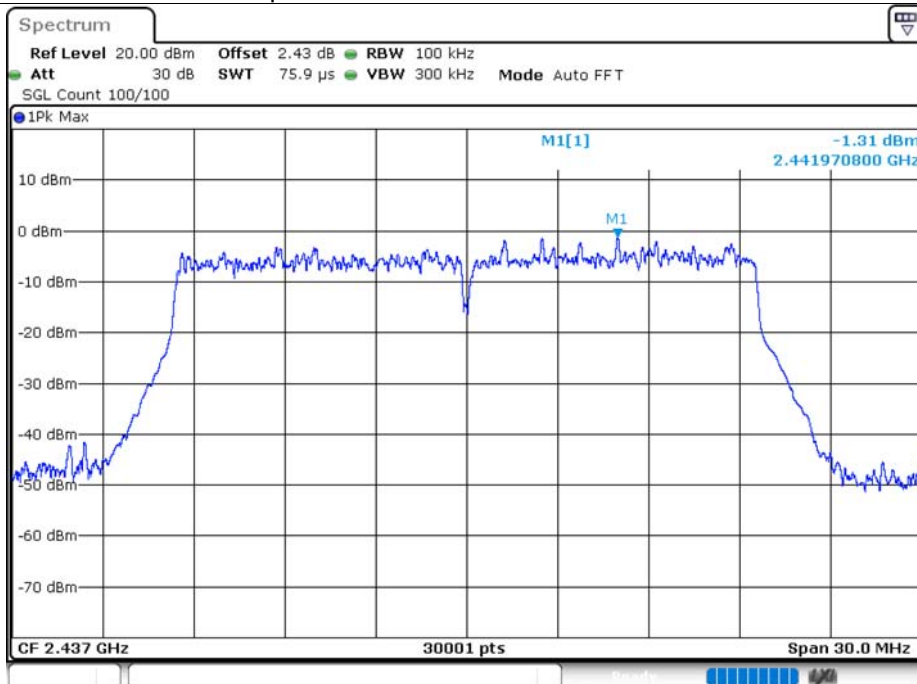
Tx. Spurious NVNT ax20 2412MHz Ant2 Ref



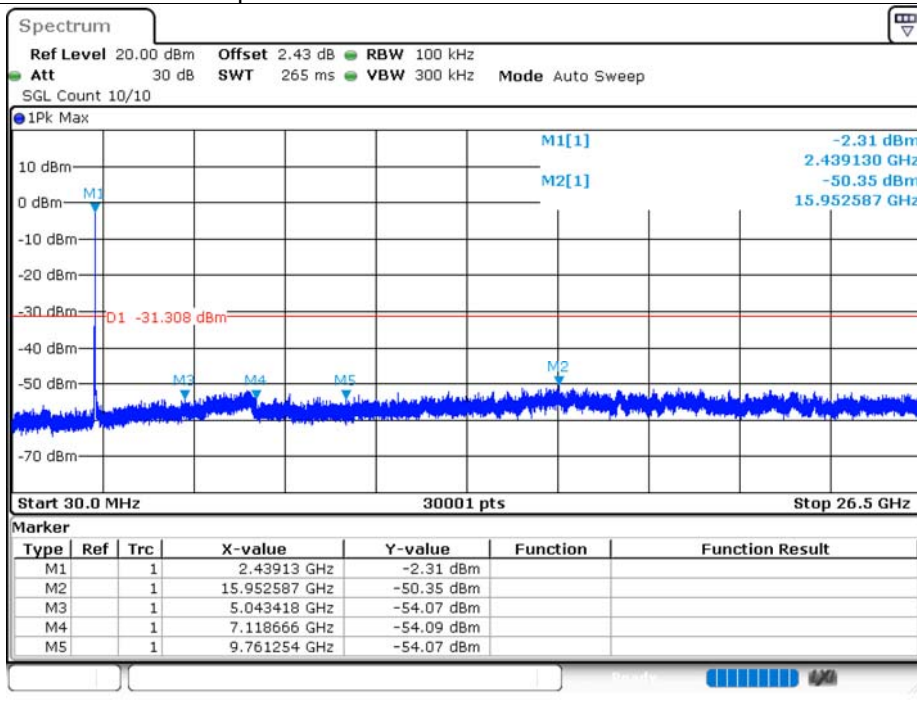
Tx. Spurious NVNT ax20 2412MHz Ant2 Emission



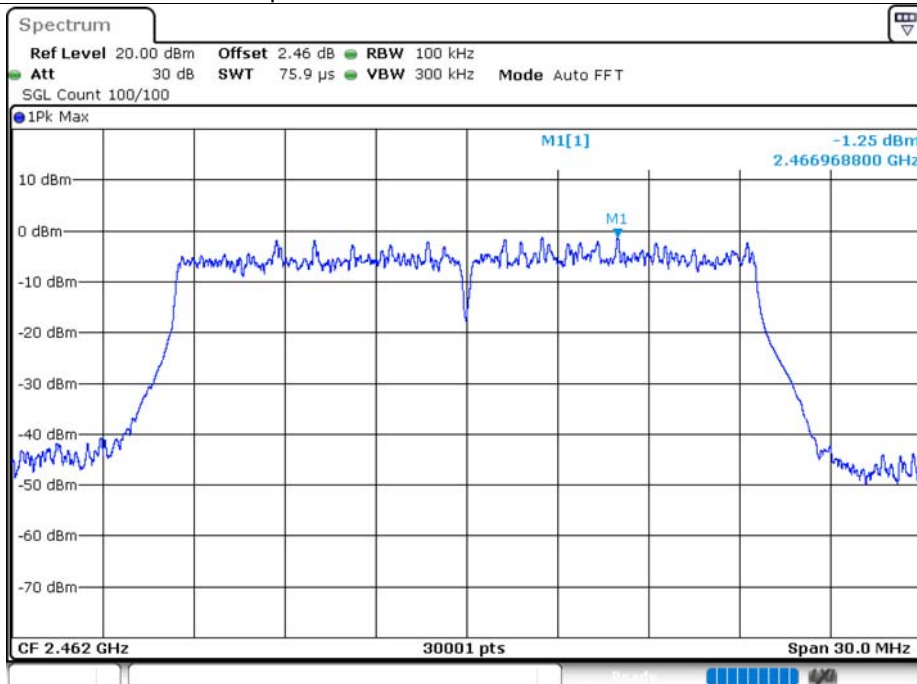
Tx. Spurious NVNT ax20 2437MHz Ant2 Ref



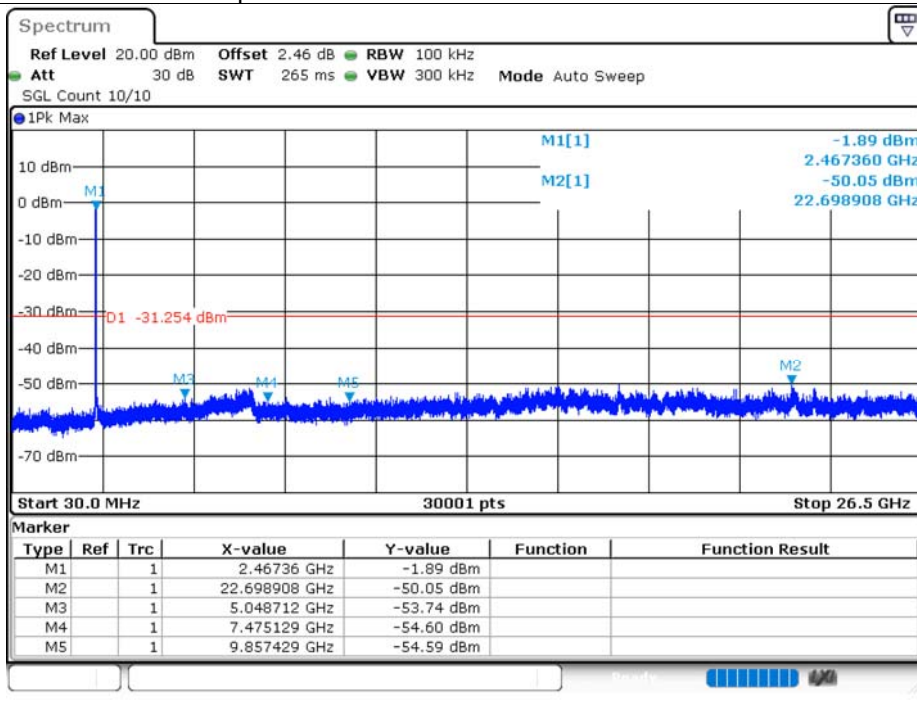
Tx. Spurious NVNT ax20 2437MHz Ant2 Emission



Tx. Spurious NVNT ax20 2462MHz Ant2 Ref



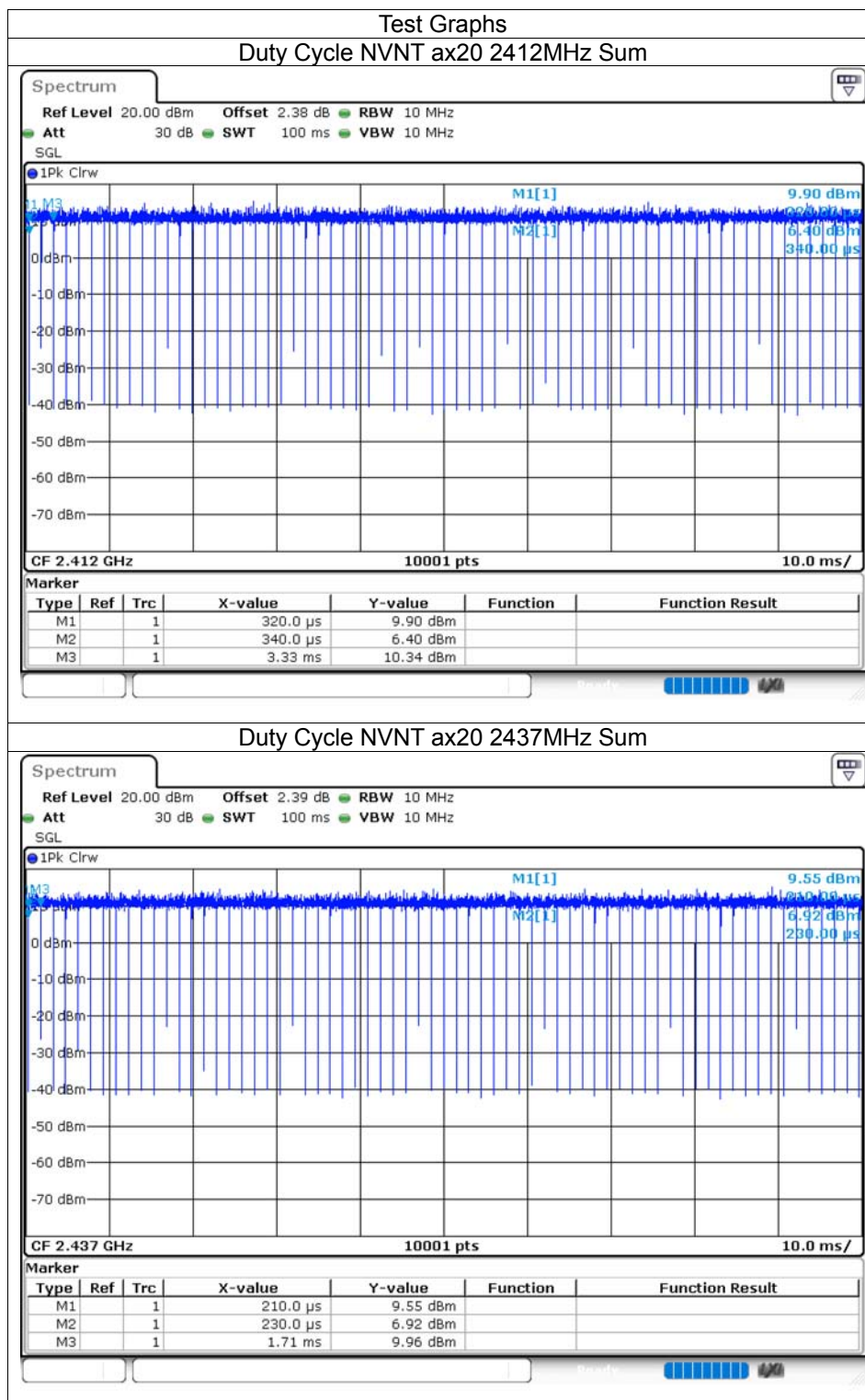
Tx. Spurious NVNT ax20 2462MHz Ant2 Emission

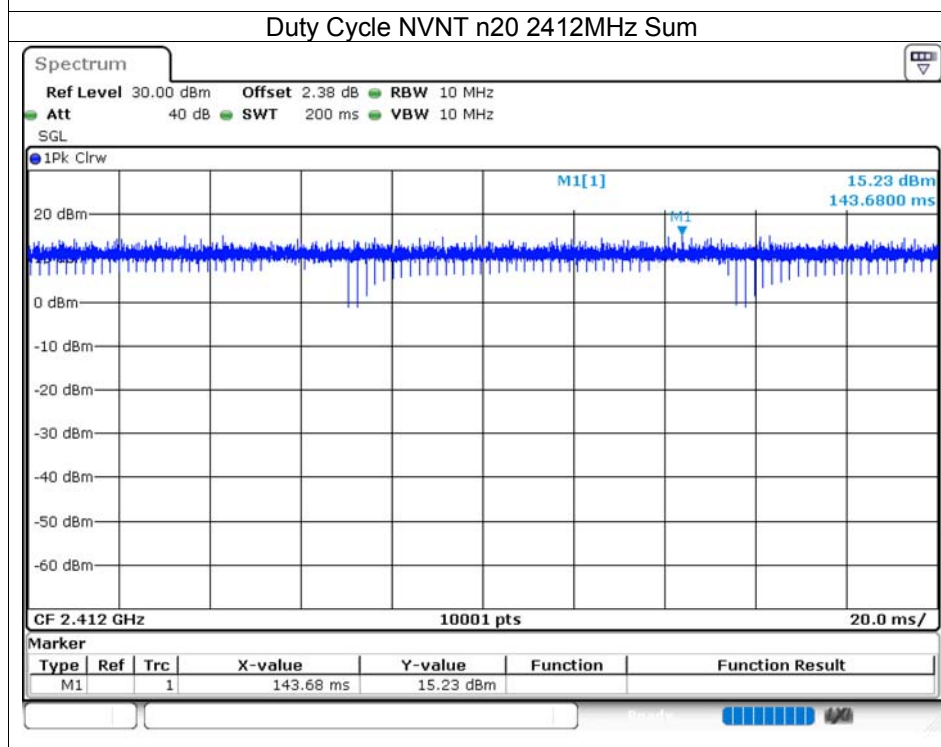
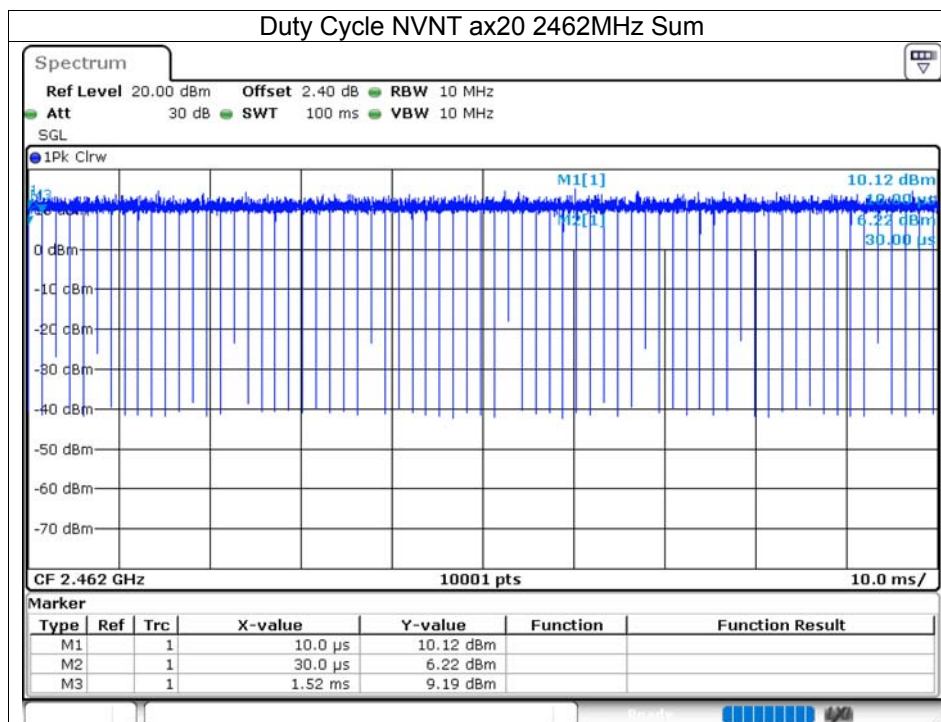


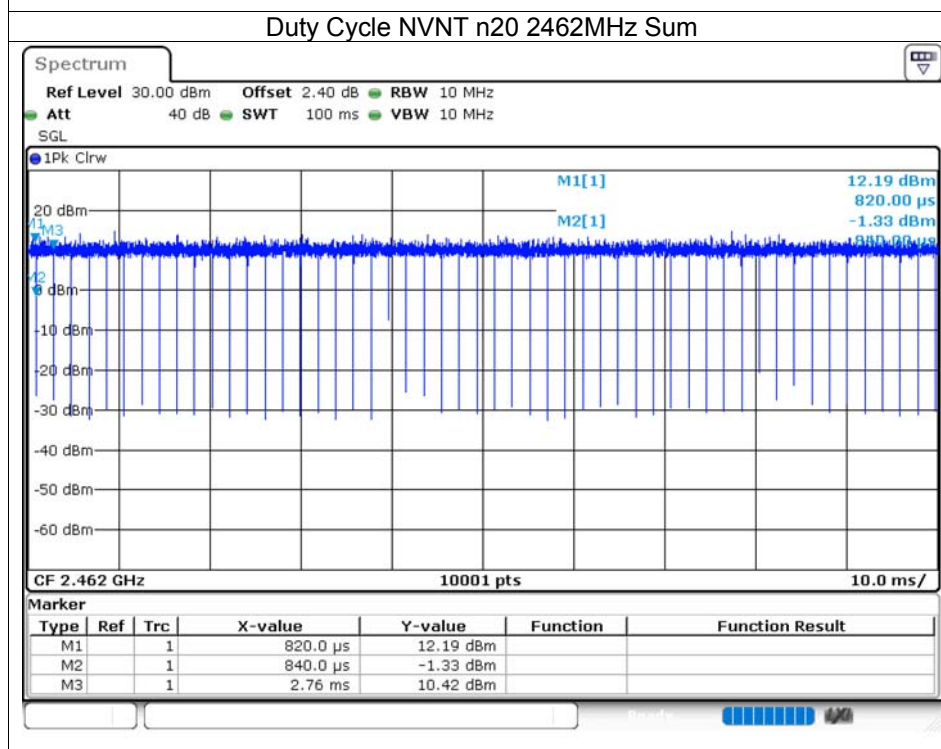
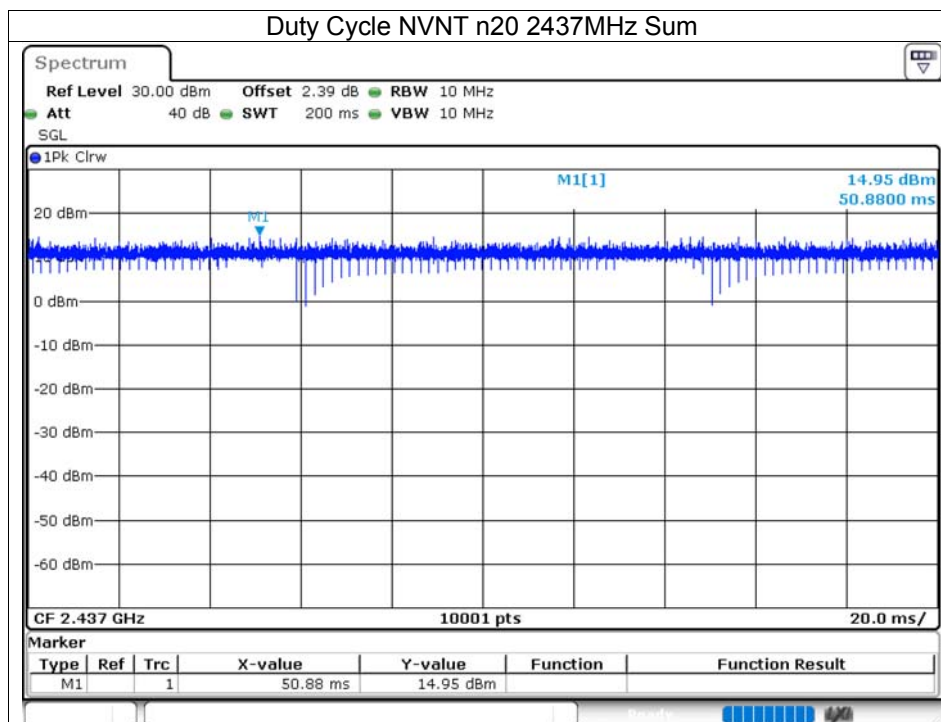
8.2 2.4G WIFI MIMO

8.2.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax20	2412	Sum	99.39	0.03	0.33
NVNT	ax20	2437	Sum	99.39	0.03	0.68
NVNT	ax20	2462	Sum	99.39	0.03	0.67
NVNT	n20	2412	Sum	100	0	0
NVNT	n20	2437	Sum	100	0	0
NVNT	n20	2462	Sum	99.51	0.02	0.52







8.2.2 Maximum Conducted Output Power

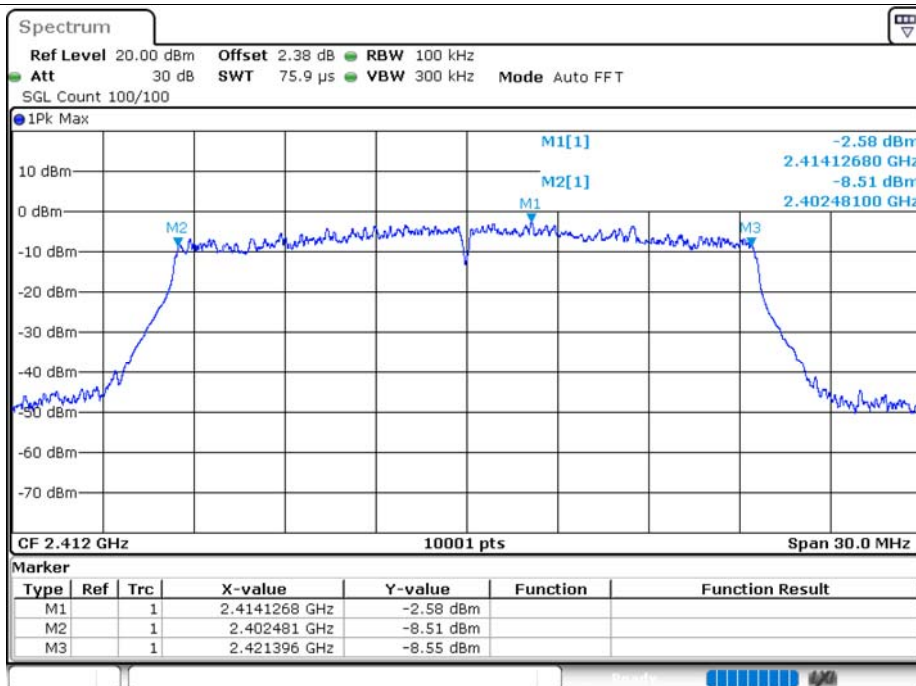
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	11.7	0.03	11.73	26.86	Pass
NVNT	ax20	2412	Ant2	11.95	0.03	11.98	26.86	Pass
NVNT	ax20	2412	Sum	14.84	0.03	14.87	26.86	Pass
NVNT	ax20	2437	Ant1	11.41	0.03	11.44	26.86	Pass
NVNT	ax20	2437	Ant2	11.85	0.03	11.88	26.86	Pass
NVNT	ax20	2437	Sum	14.65	0.03	14.68	26.86	Pass
NVNT	ax20	2462	Ant1	11.22	0.03	11.25	26.86	Pass
NVNT	ax20	2462	Ant2	11.98	0.03	12.01	26.86	Pass
NVNT	ax20	2462	Sum	14.63	0.03	14.66	26.86	Pass
NVNT	n20	2412	Ant1	11.36	0	11.36	26.86	Pass
NVNT	n20	2412	Ant2	11.67	0	11.67	26.86	Pass
NVNT	n20	2412	Sum	14.53	0	14.53	26.86	Pass
NVNT	n20	2437	Ant1	11.26	0	11.26	26.86	Pass
NVNT	n20	2437	Ant2	11.77	0	11.77	26.86	Pass
NVNT	n20	2437	Sum	14.53	0	14.53	26.86	Pass
NVNT	n20	2462	Ant1	10.85	0.02	10.87	26.86	Pass
NVNT	n20	2462	Ant2	11.95	0.02	11.97	26.86	Pass
NVNT	n20	2462	Sum	14.45	0.02	14.47	26.86	Pass

8.2.3 -6dB Bandwidth

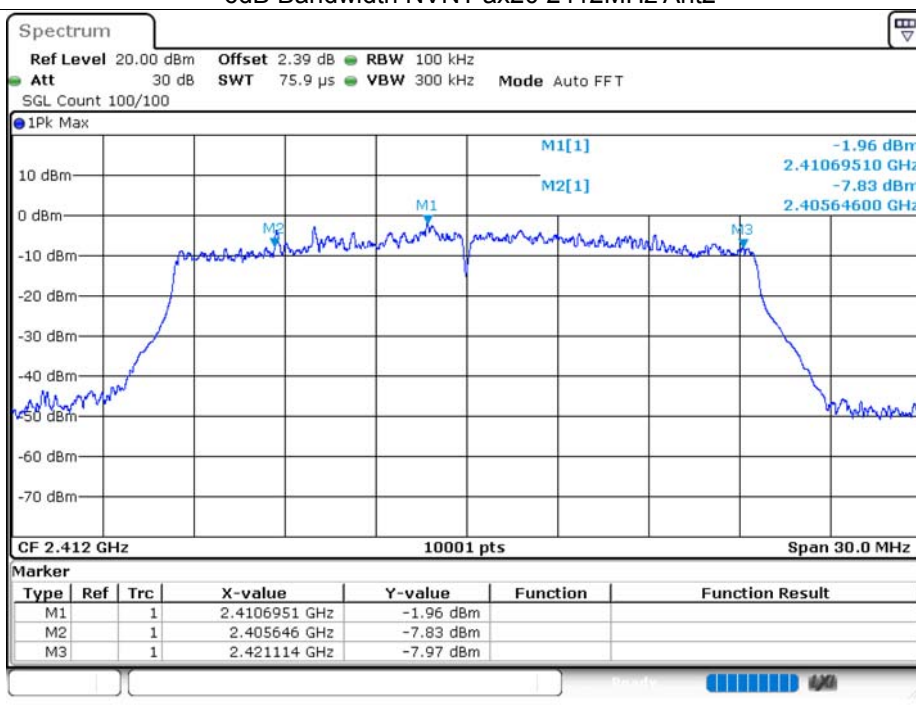
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax20	2412	Ant1	18.915	0.5	Pass
NVNT	ax20	2412	Ant2	15.468	0.5	Pass
NVNT	ax20	2437	Ant1	18.219	0.5	Pass
NVNT	ax20	2437	Ant2	18.042	0.5	Pass
NVNT	ax20	2462	Ant1	18.474	0.5	Pass
NVNT	ax20	2462	Ant2	17.76	0.5	Pass
NVNT	n20	2412	Ant1	17.58	0.5	Pass
NVNT	n20	2412	Ant2	17.58	0.5	Pass
NVNT	n20	2437	Ant1	17.583	0.5	Pass
NVNT	n20	2437	Ant2	17.574	0.5	Pass
NVNT	n20	2462	Ant1	17.544	0.5	Pass
NVNT	n20	2462	Ant2	17.577	0.5	Pass

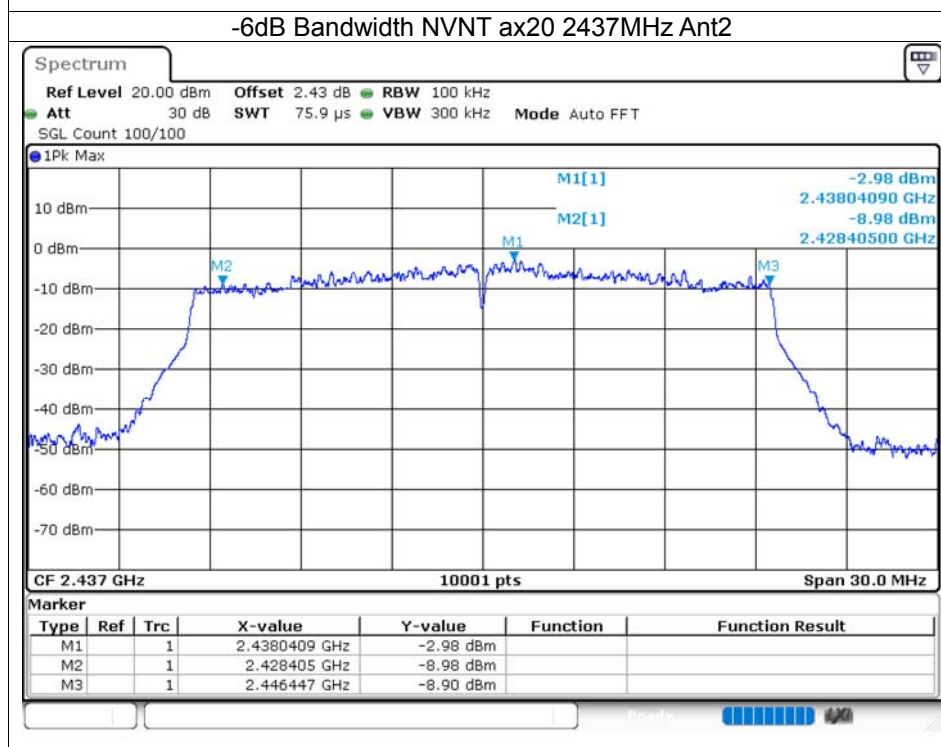
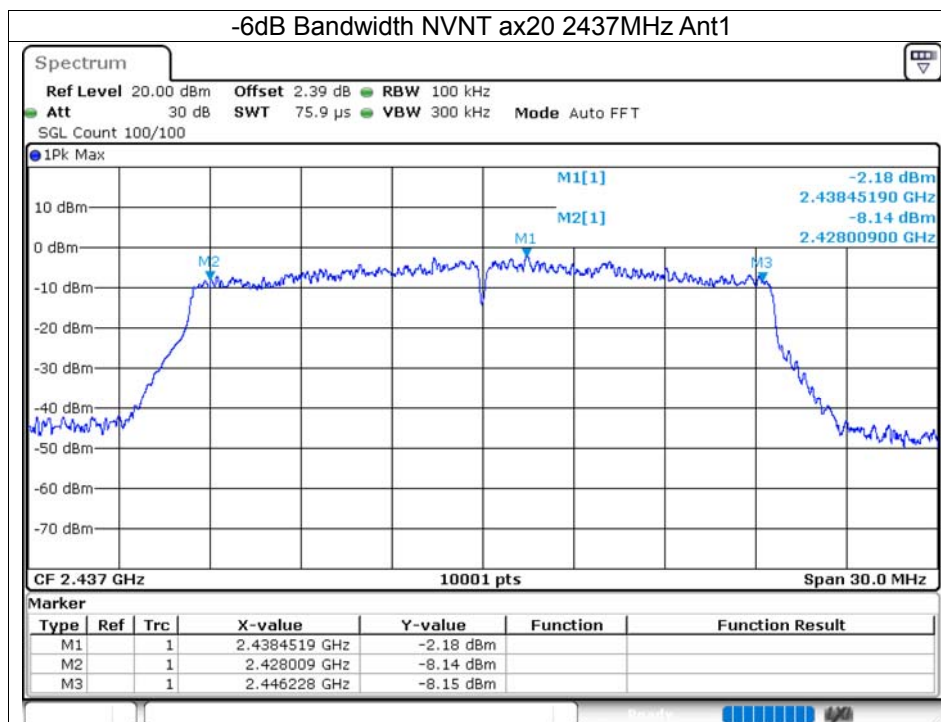
Test Graphs

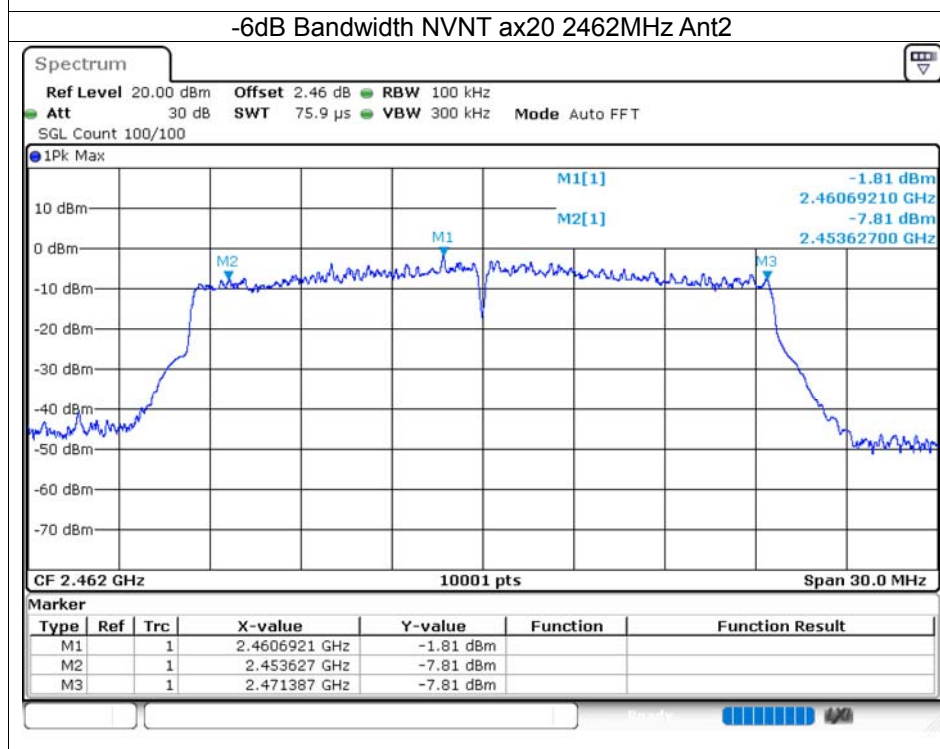
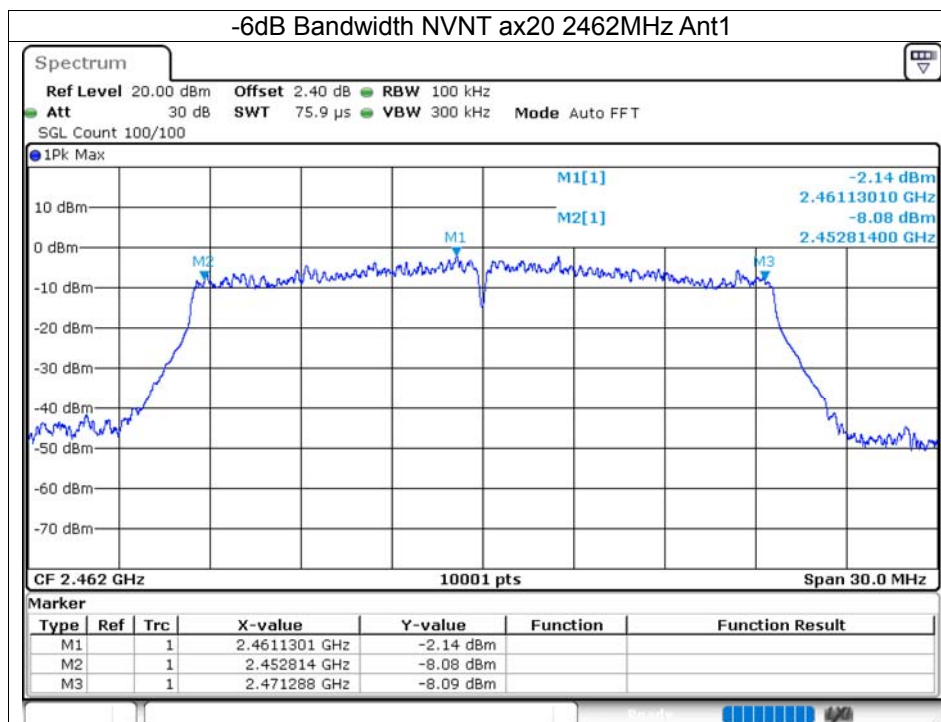
-6dB Bandwidth NVNT ax20 2412MHz Ant1

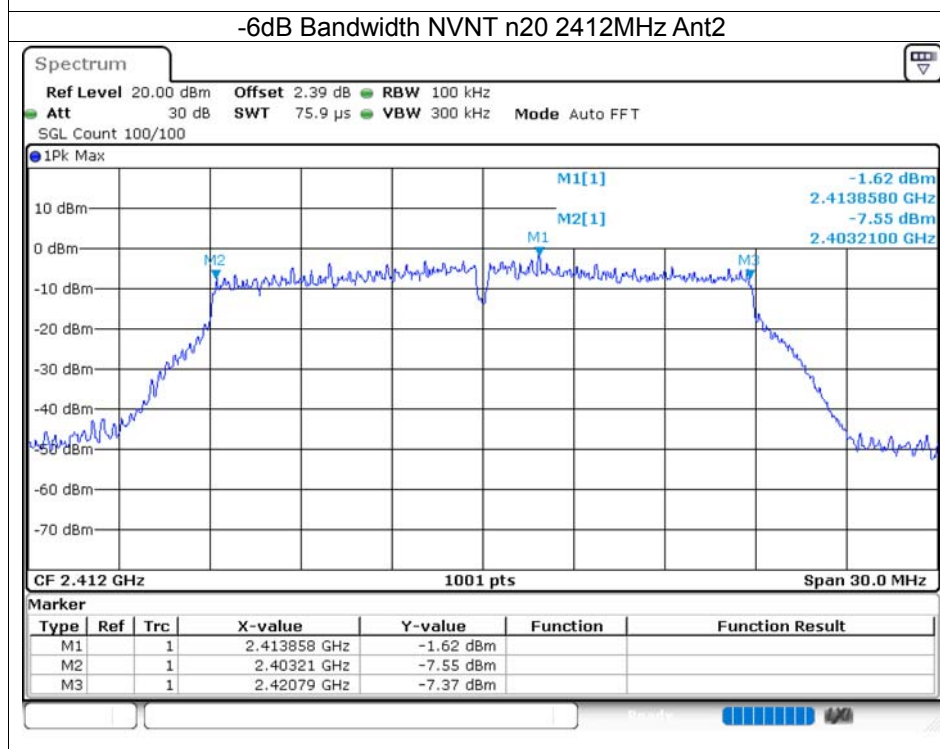
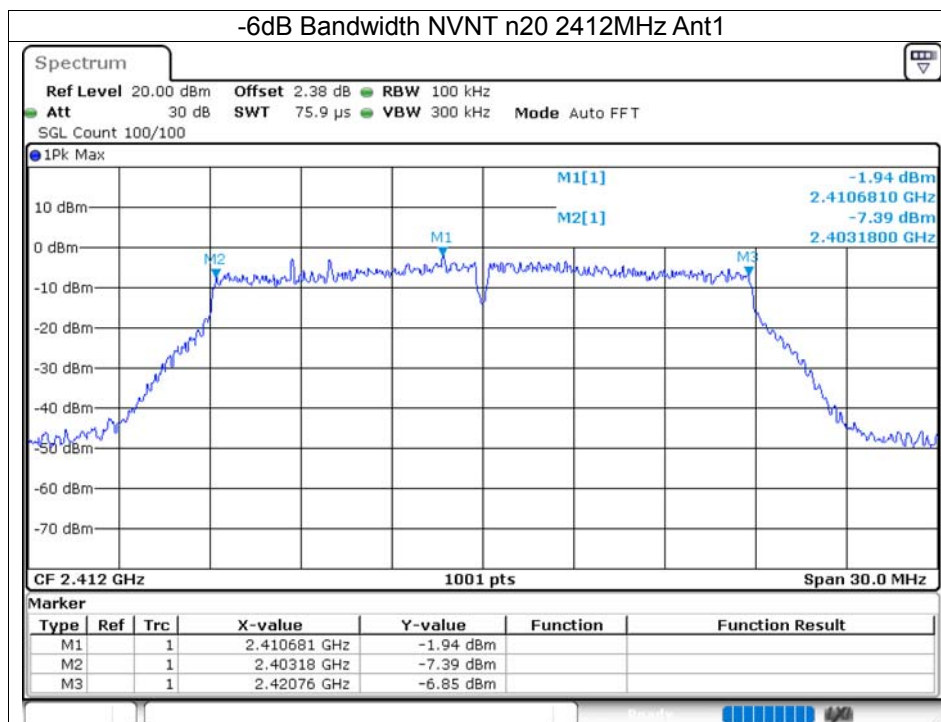


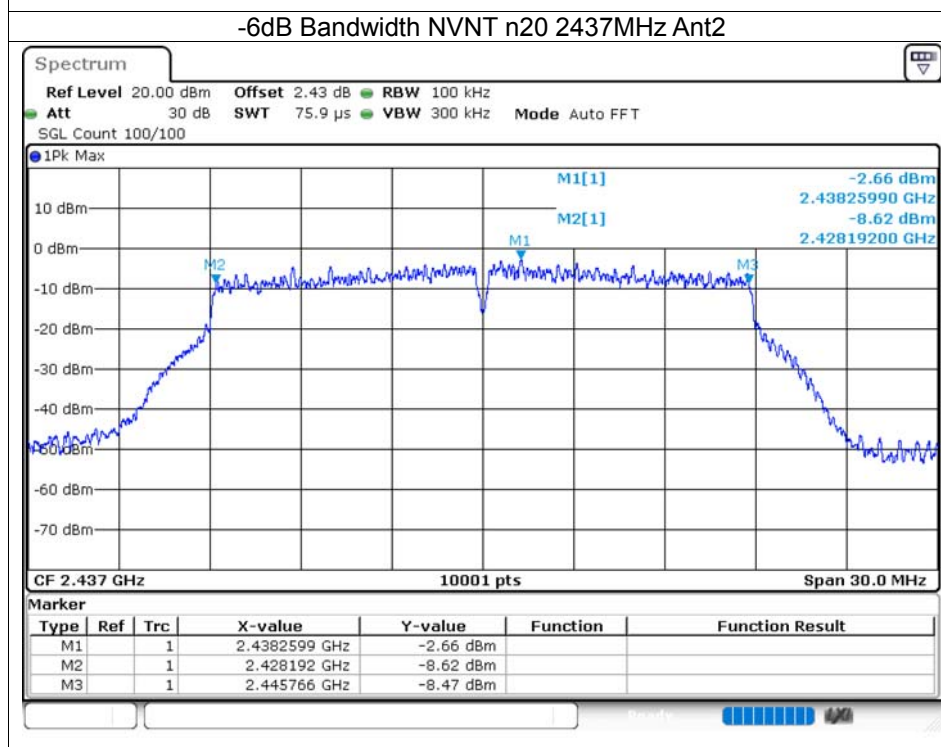
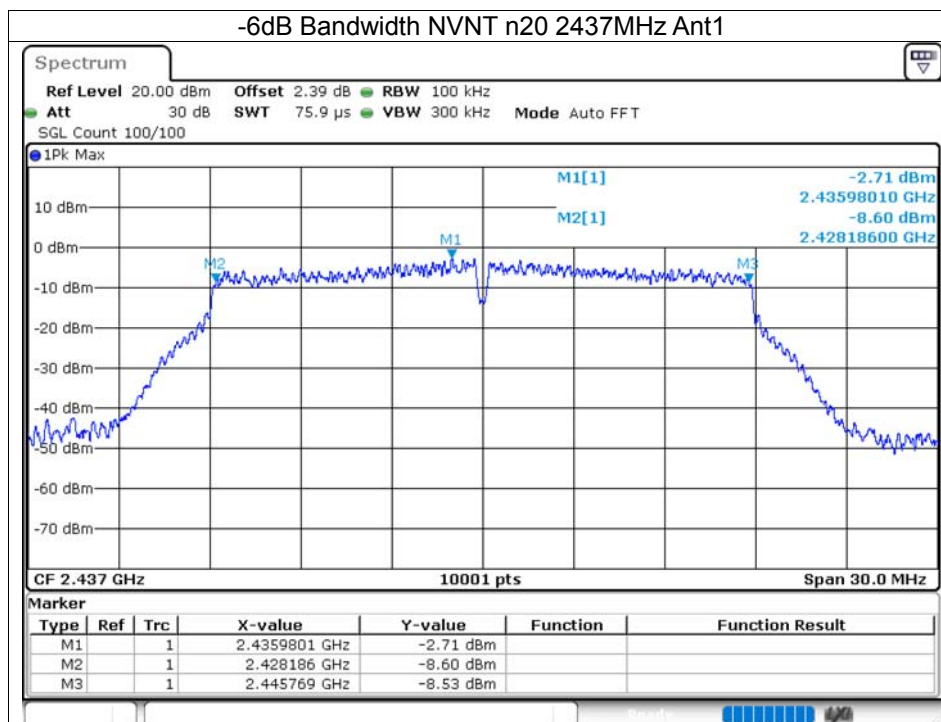
-6dB Bandwidth NVNT ax20 2412MHz Ant2

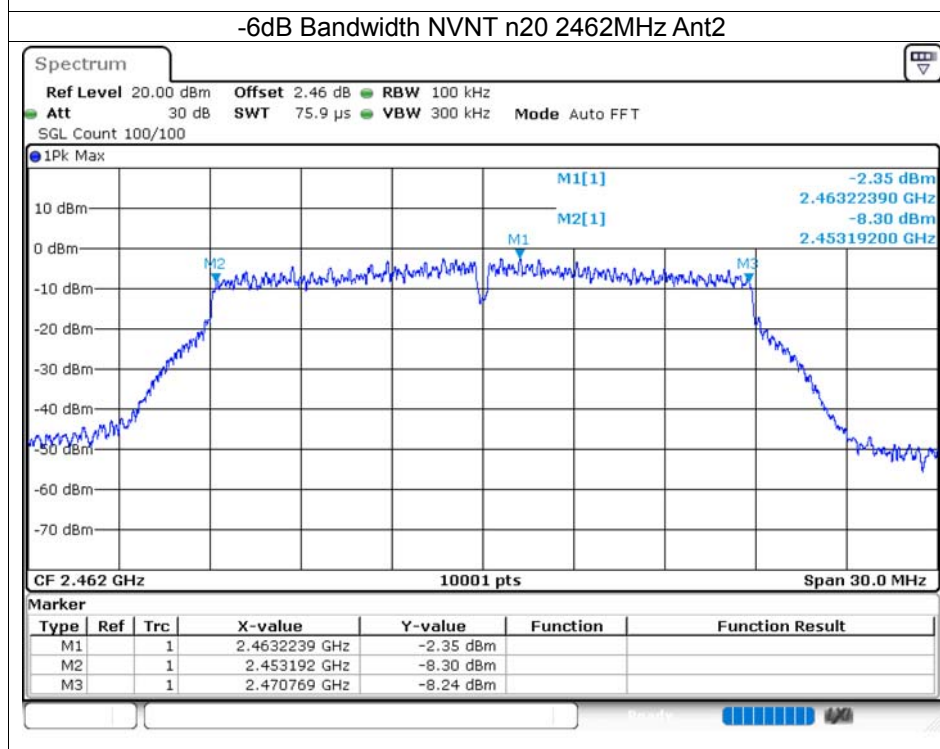
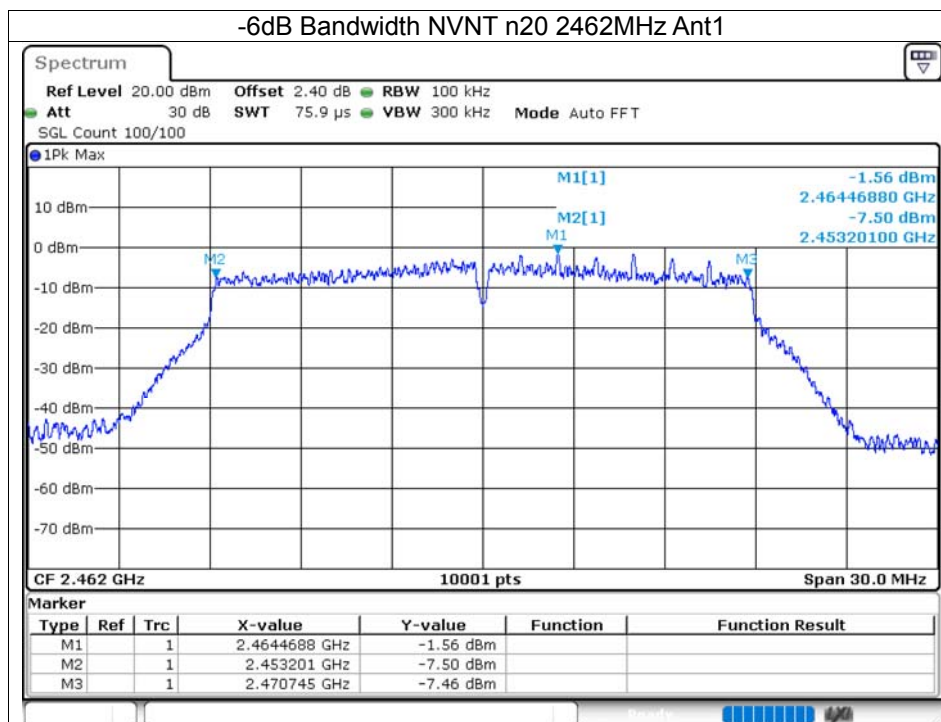






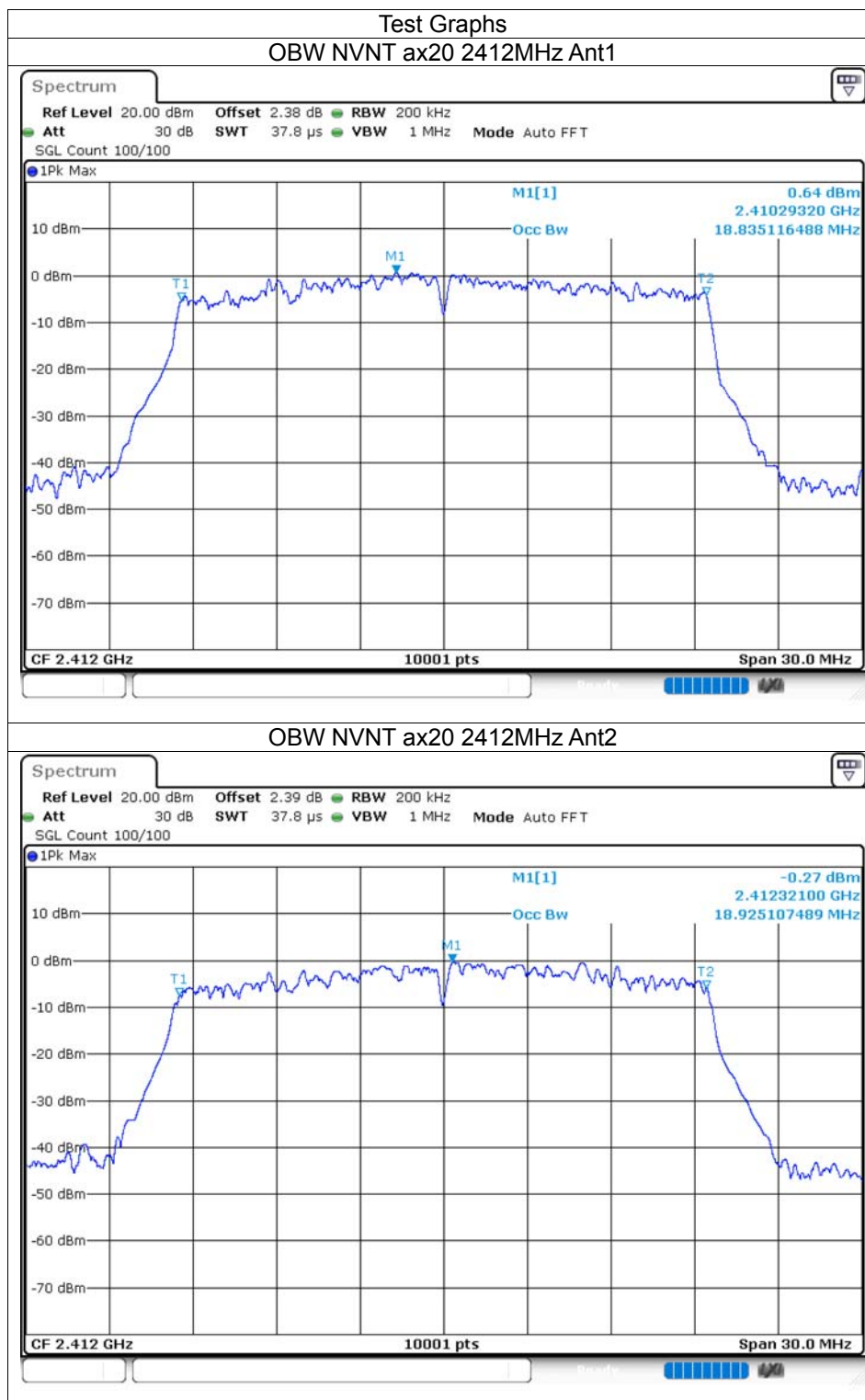


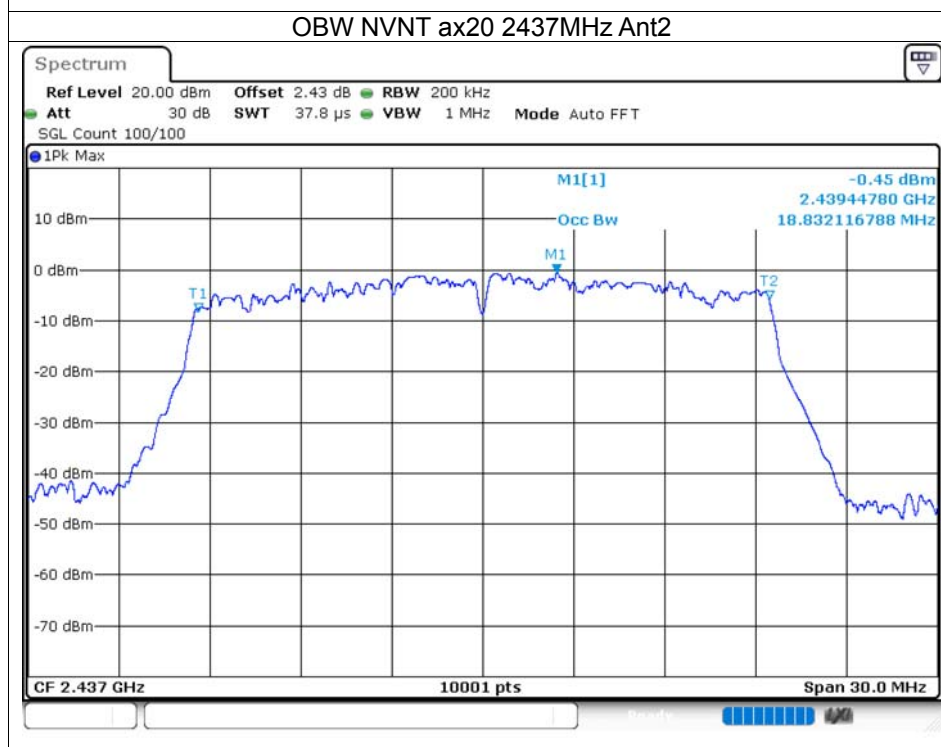
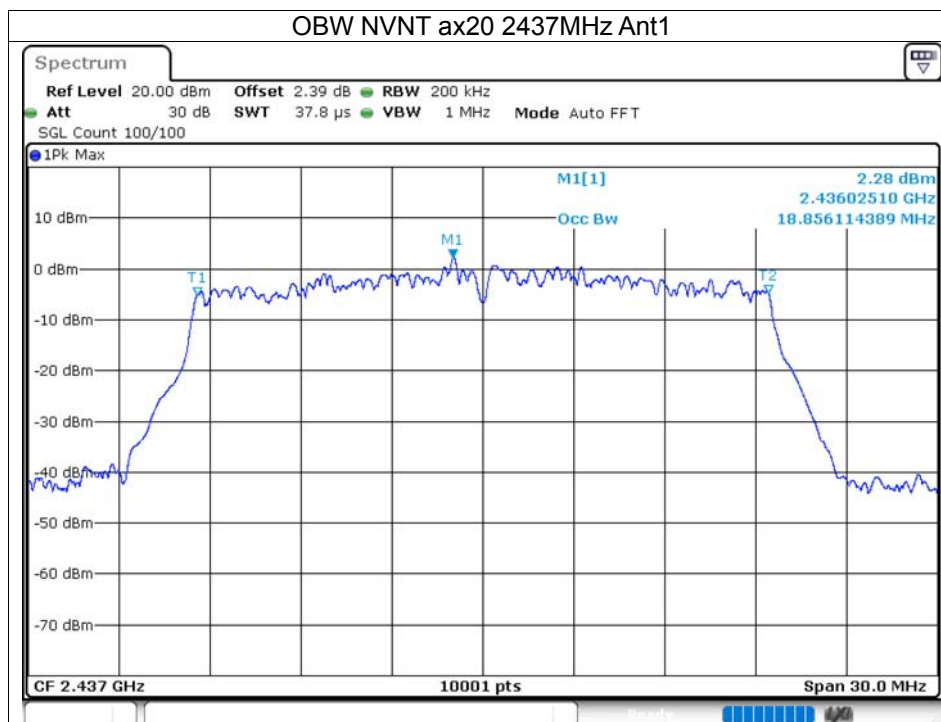


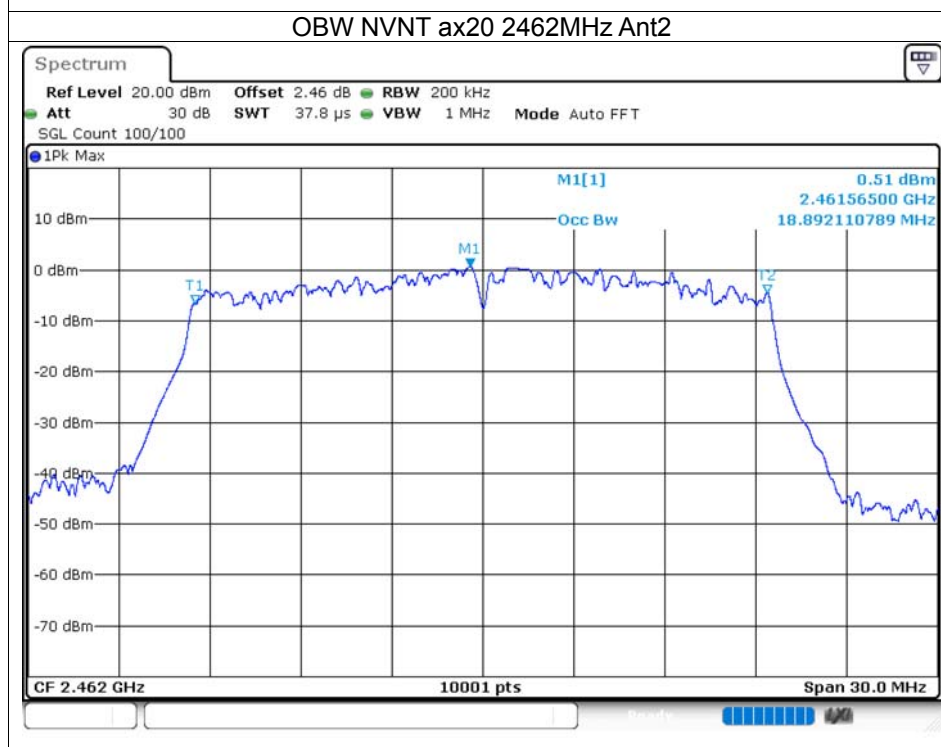
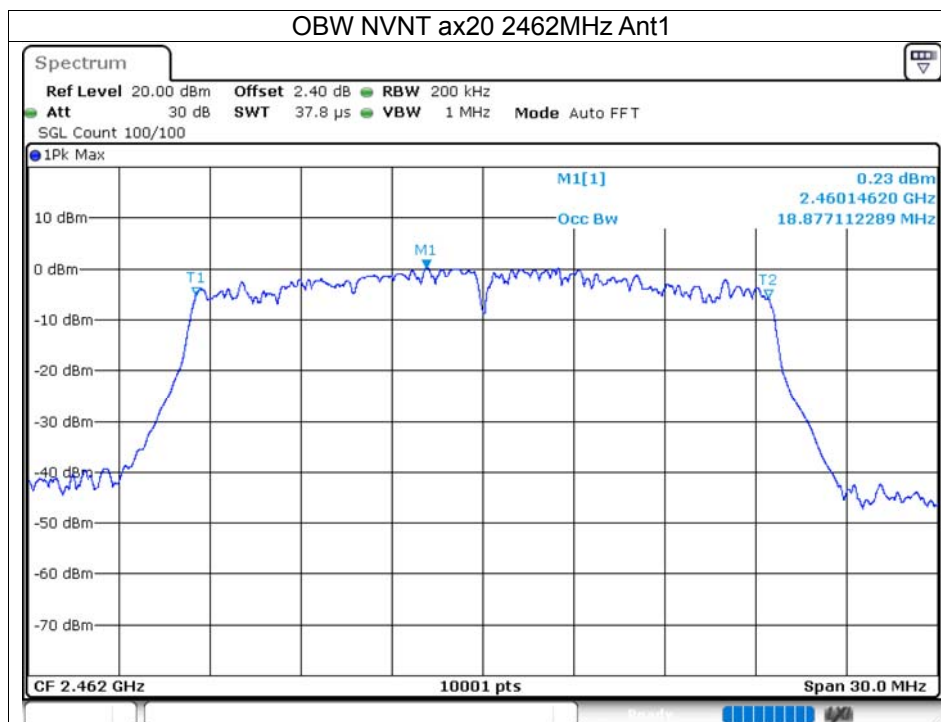


8.2.4 Occupied Channel Bandwidth

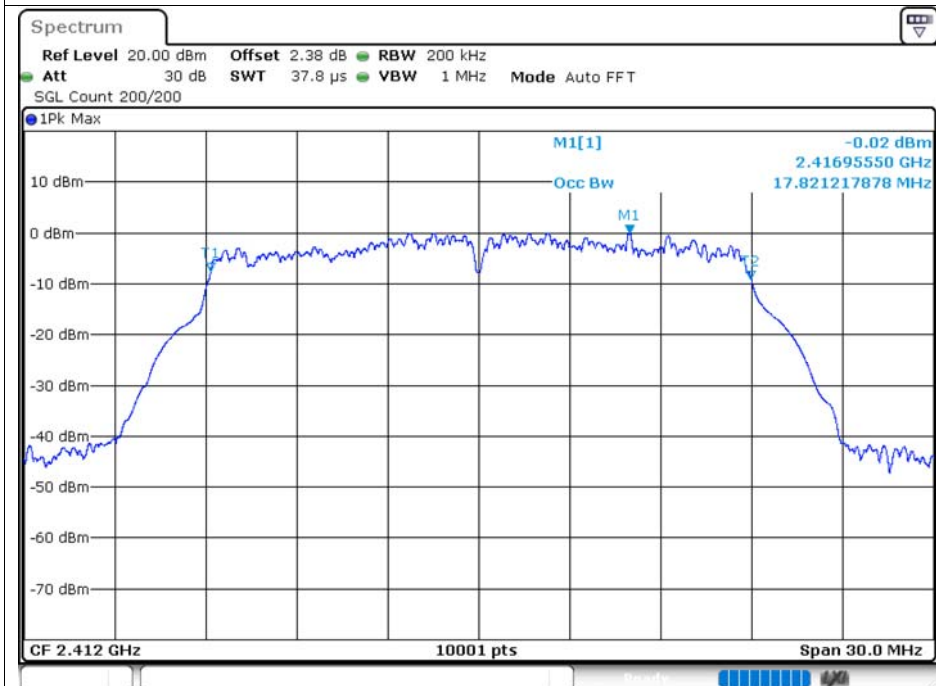
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	2412	Ant1	18.835
NVNT	ax20	2412	Ant2	18.925
NVNT	ax20	2437	Ant1	18.856
NVNT	ax20	2437	Ant2	18.832
NVNT	ax20	2462	Ant1	18.877
NVNT	ax20	2462	Ant2	18.892
NVNT	n20	2412	Ant1	17.821
NVNT	n20	2412	Ant2	17.689
NVNT	n20	2437	Ant1	18.001
NVNT	n20	2437	Ant2	17.677
NVNT	n20	2462	Ant1	17.719
NVNT	n20	2462	Ant2	17.758



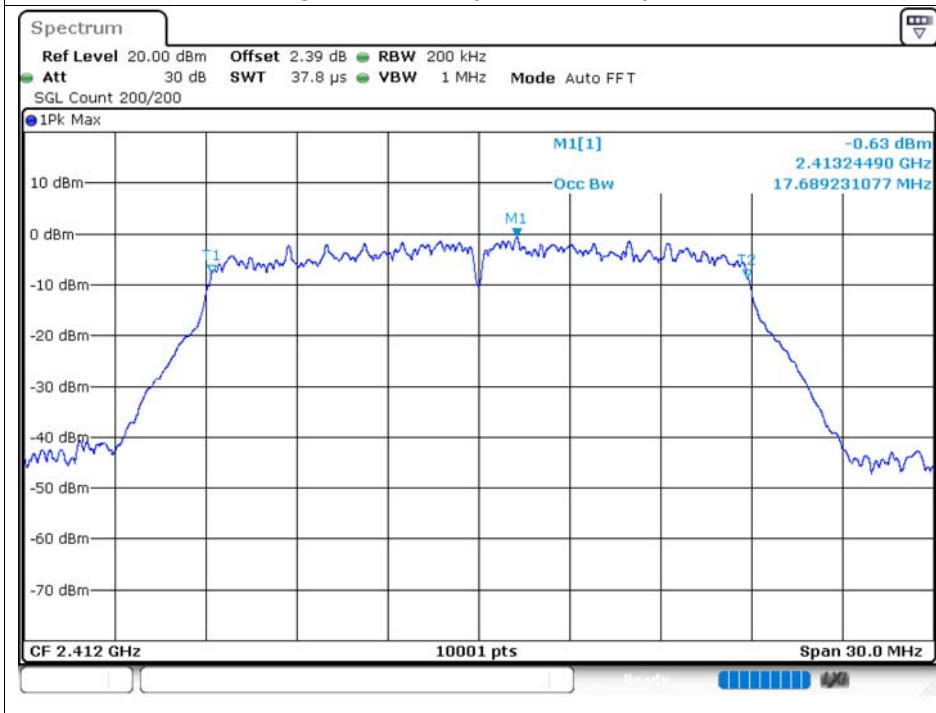




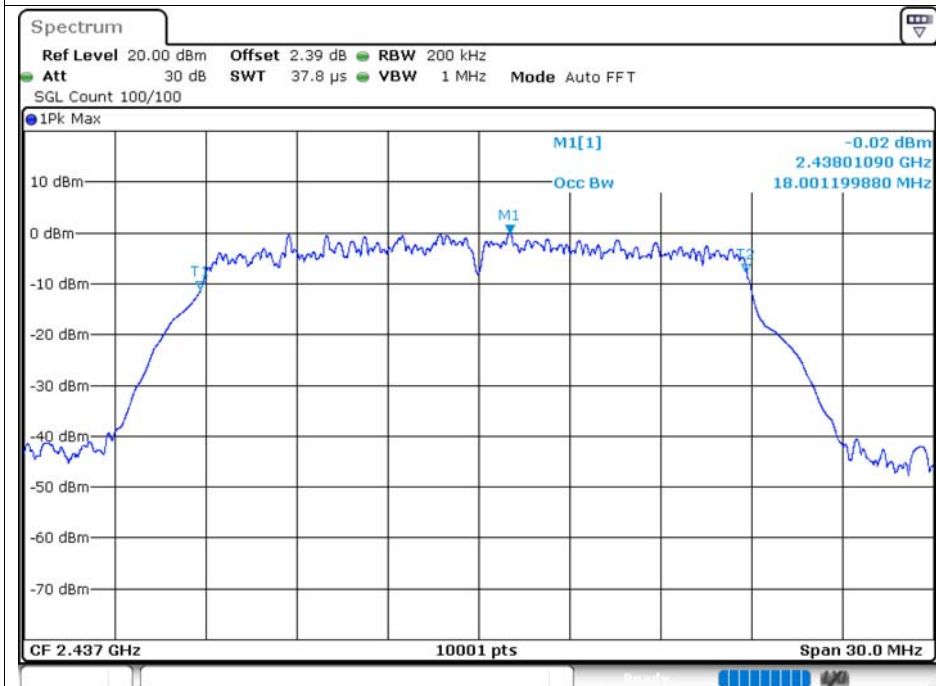
OBW NVNT n20 2412MHz Ant1



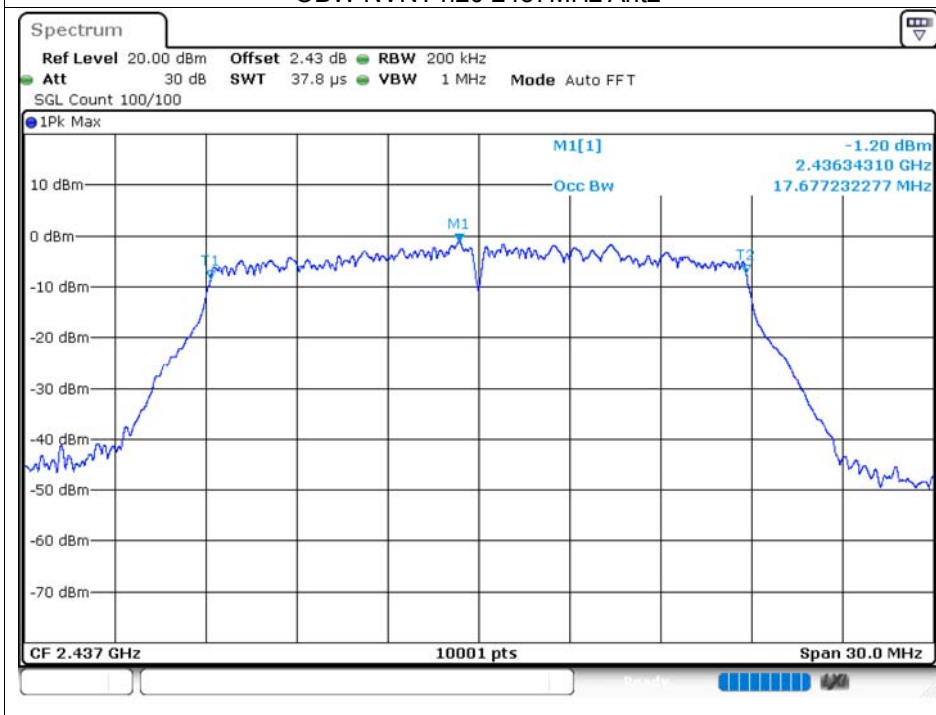
OBW NVNT n20 2412MHz Ant2



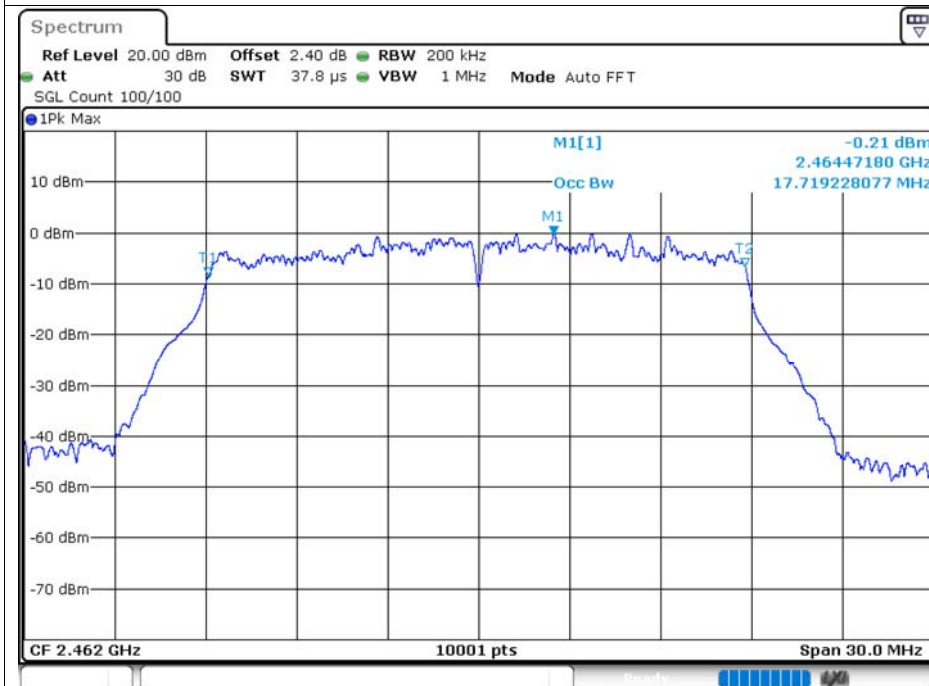
OBW NVNT n20 2437MHz Ant1



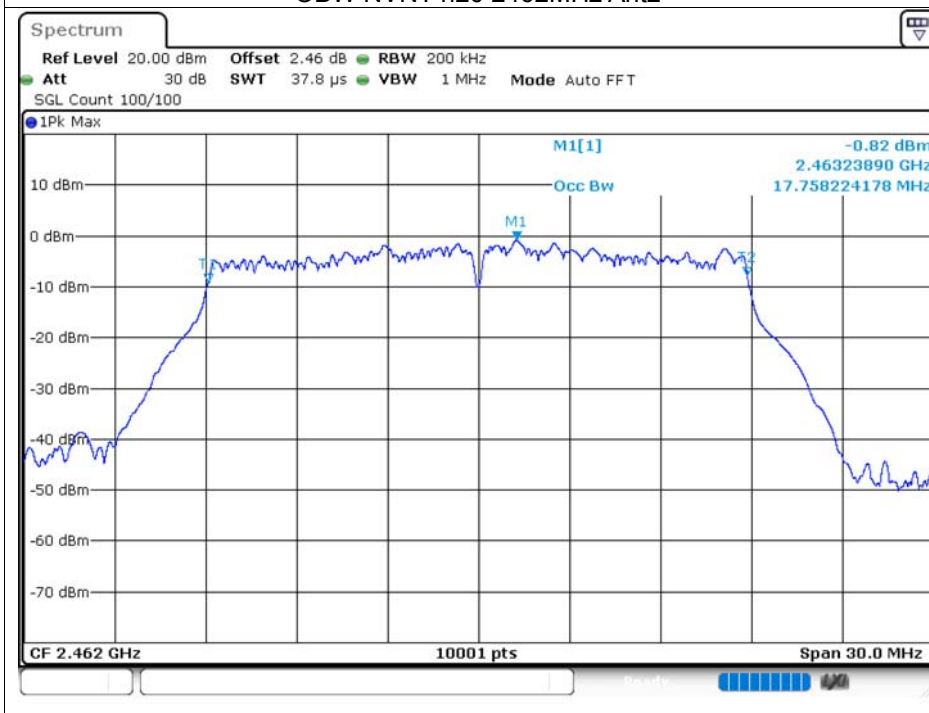
OBW NVNT n20 2437MHz Ant2



OBW NVNT n20 2462MHz Ant1



OBW NVNT n20 2462MHz Ant2

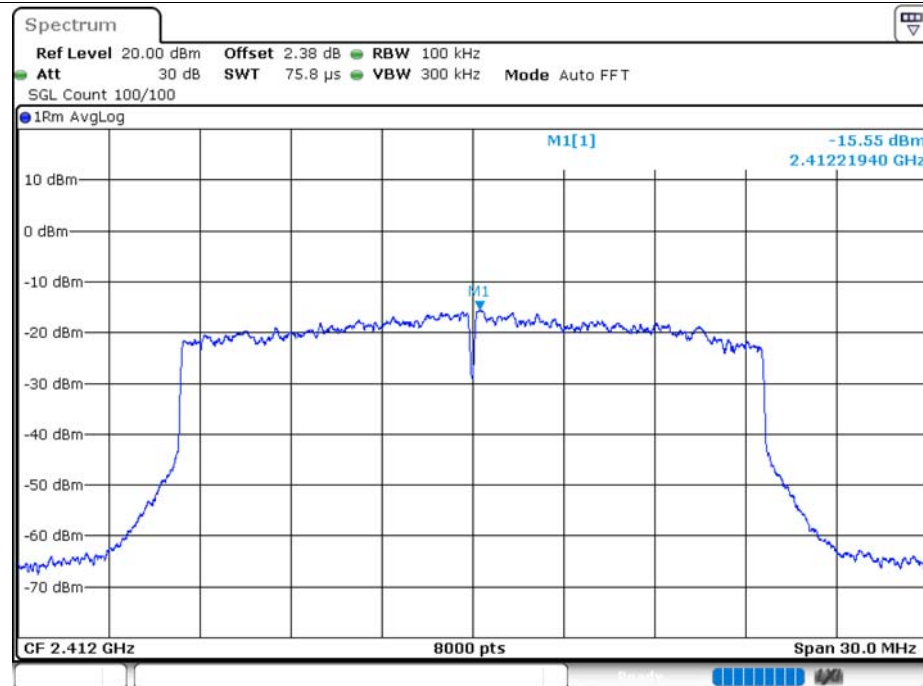


8.2.5 Maximum Power Spectral Density Level

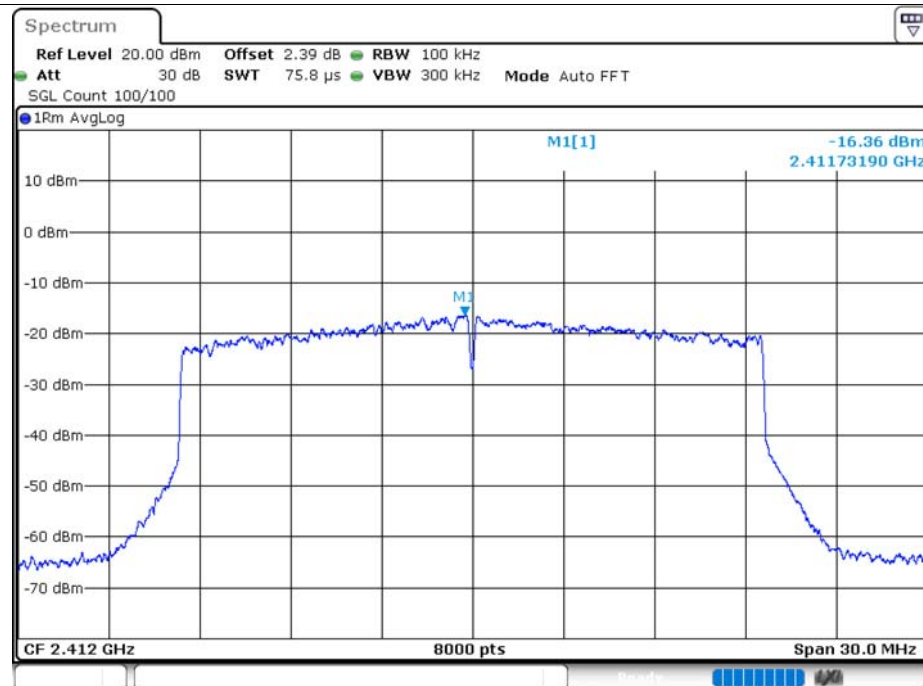
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	-15.55	0.03	-15.52	4.86	Pass
NVNT	ax20	2412	Ant2	-16.36	0.03	-16.33	4.86	Pass
NVNT	ax20	2412	Sum	-12.93	0.03	-12.9	4.86	Pass
NVNT	ax20	2437	Ant1	-15.98	0.03	-15.95	4.86	Pass
NVNT	ax20	2437	Ant2	-16.82	0.03	-16.79	4.86	Pass
NVNT	ax20	2437	Sum	-13.37	0.03	-13.34	4.86	Pass
NVNT	ax20	2462	Ant1	-15.55	0.03	-15.52	4.86	Pass
NVNT	ax20	2462	Ant2	-16.95	0.03	-16.92	4.86	Pass
NVNT	ax20	2462	Sum	-13.18	0.03	-13.15	4.86	Pass
NVNT	n20	2412	Ant1	-14.1	0	-14.1	4.86	Pass
NVNT	n20	2412	Ant2	-14.96	0	-14.96	4.86	Pass
NVNT	n20	2412	Sum	-11.5	0	-11.5	4.86	Pass
NVNT	n20	2437	Ant1	-14.35	0	-14.35	4.86	Pass
NVNT	n20	2437	Ant2	-15.52	0	-15.52	4.86	Pass
NVNT	n20	2437	Sum	-11.89	0	-11.89	4.86	Pass
NVNT	n20	2462	Ant1	-14.27	0.02	-14.25	4.86	Pass
NVNT	n20	2462	Ant2	-16.01	0.02	-15.99	4.86	Pass
NVNT	n20	2462	Sum	-12.04	0.02	-12.02	4.86	Pass

Test Graphs

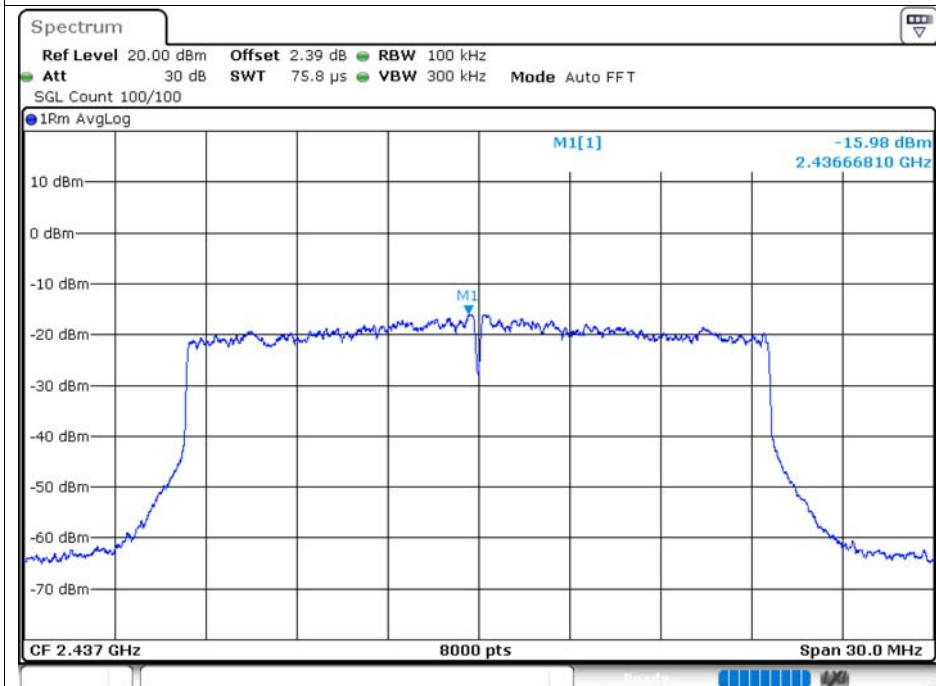
PSD NVNT ax20 2412MHz Ant1



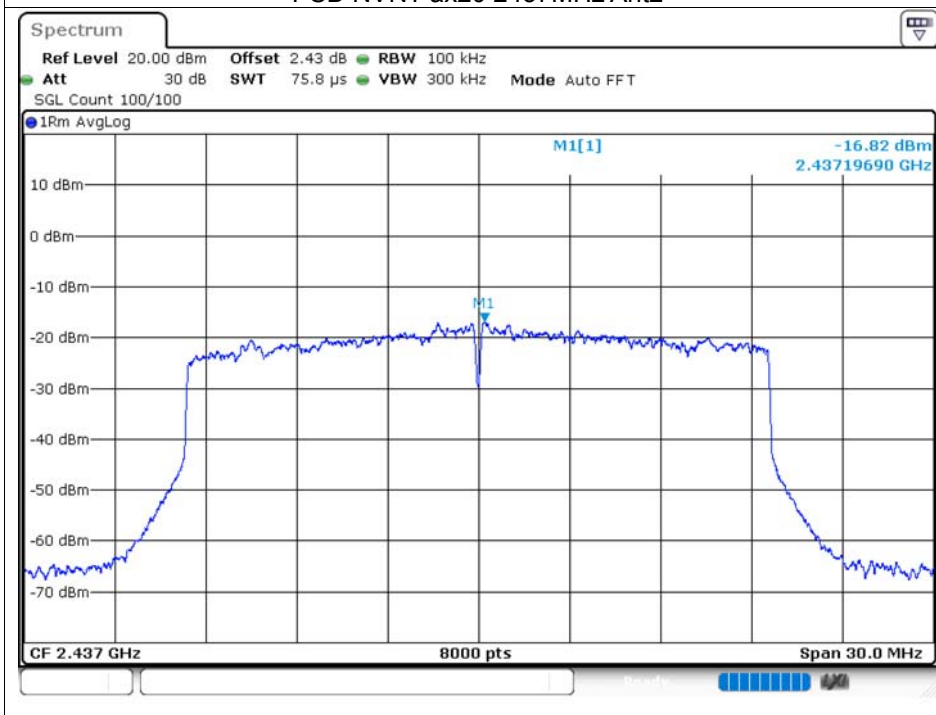
PSD NVNT ax20 2412MHz Ant2



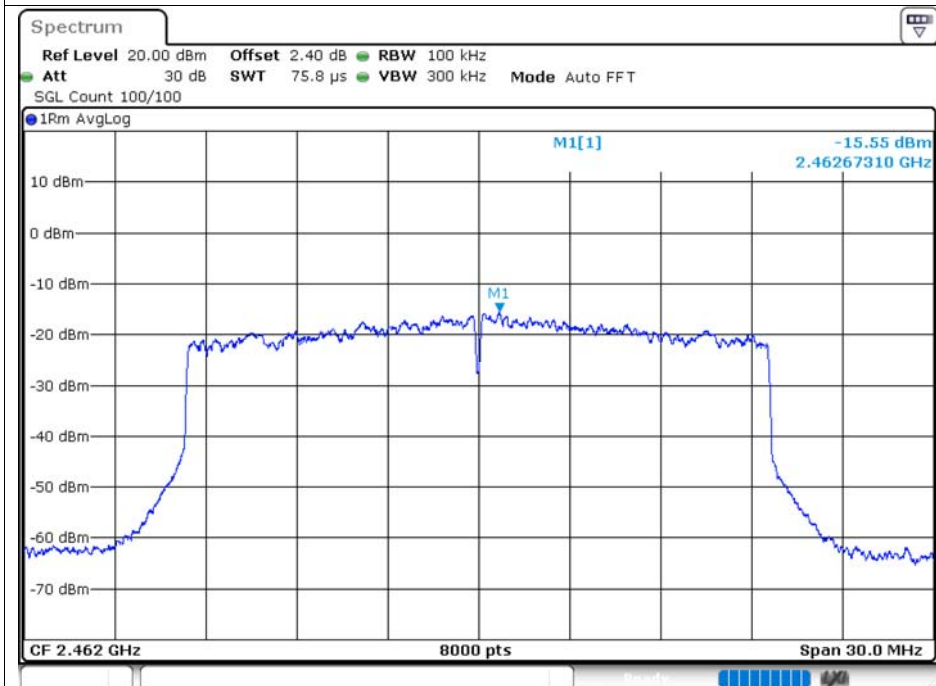
PSD NVNT ax20 2437MHz Ant1



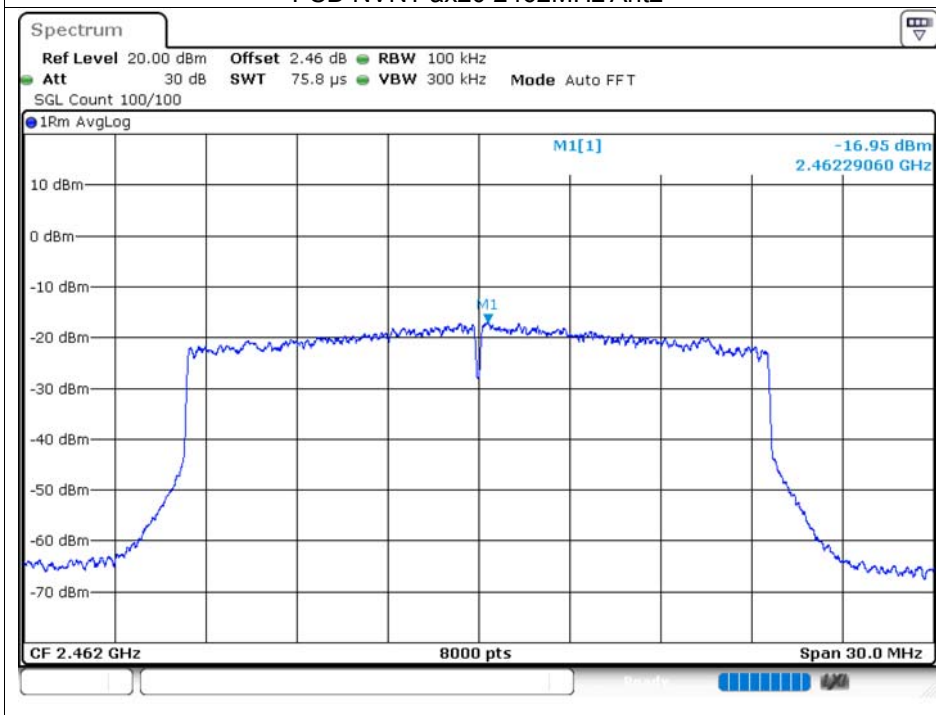
PSD NVNT ax20 2437MHz Ant2

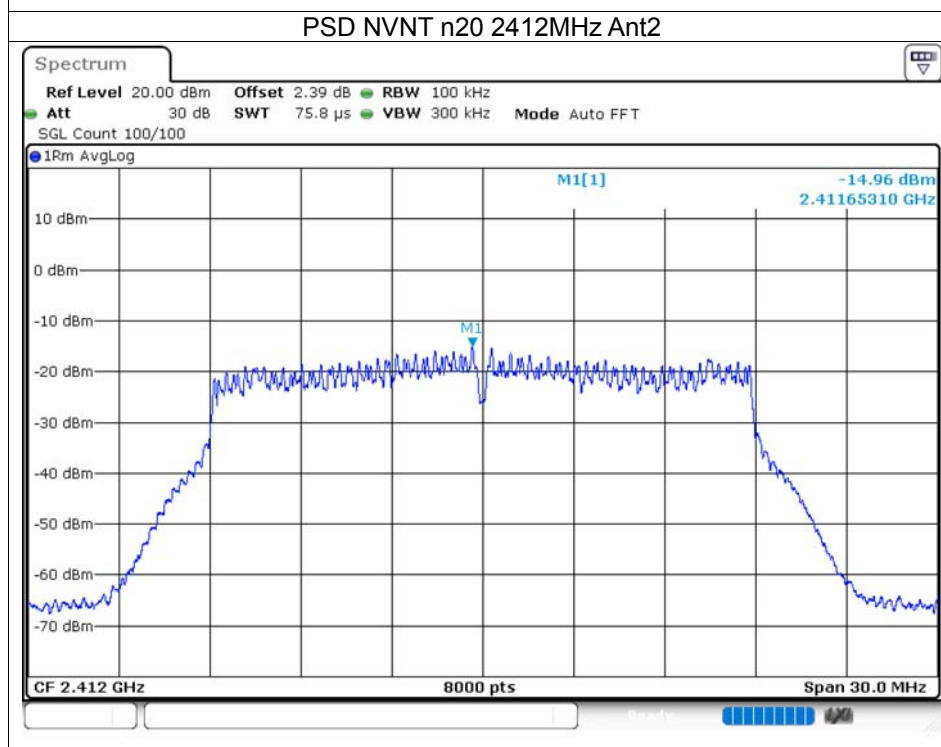
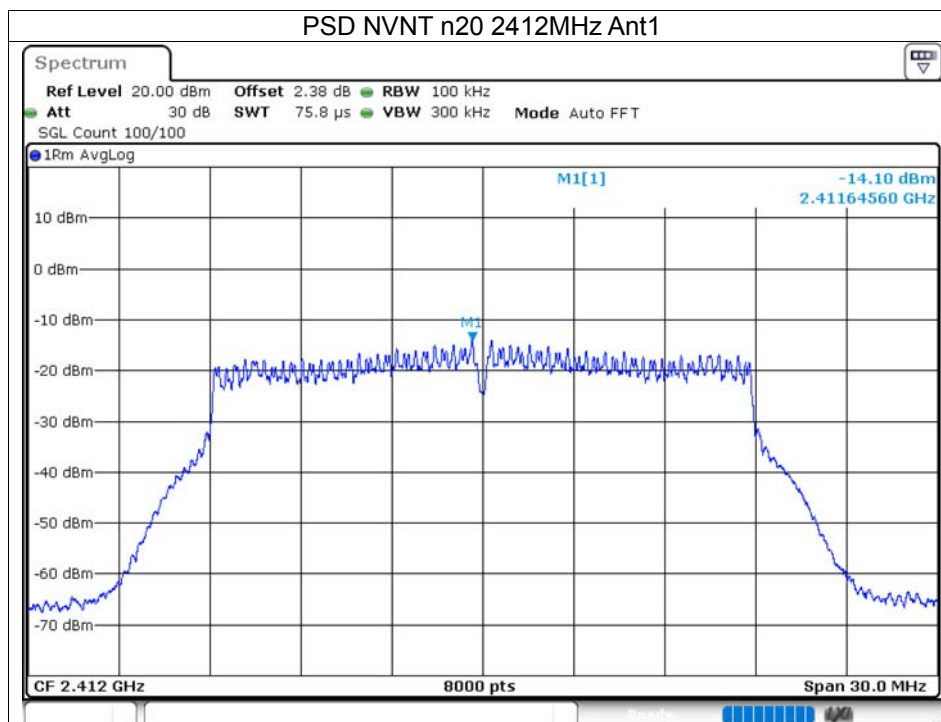


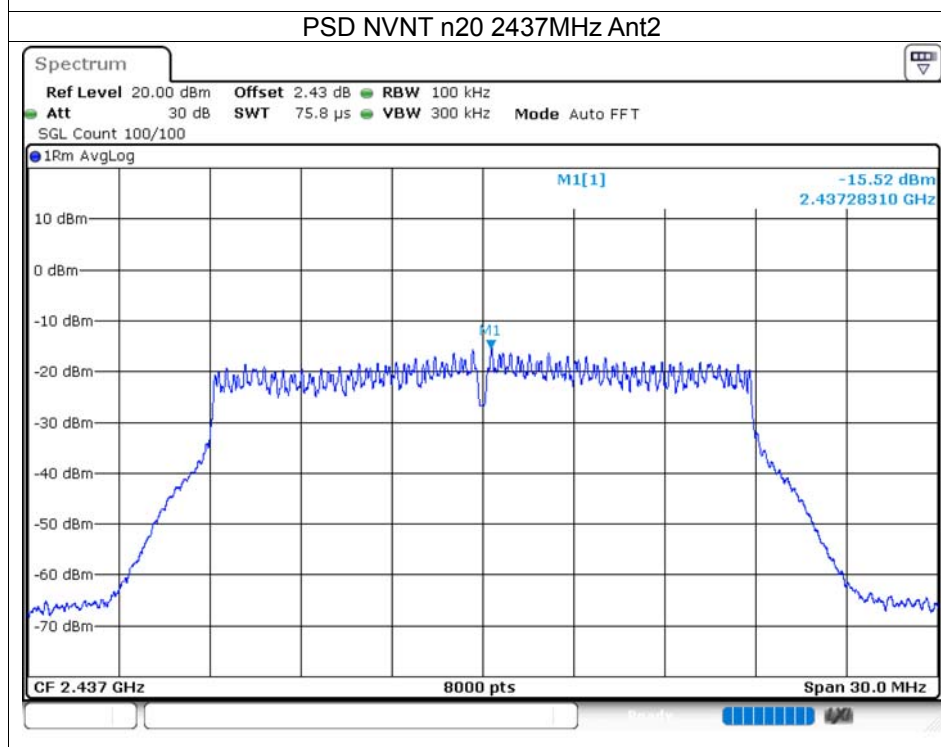
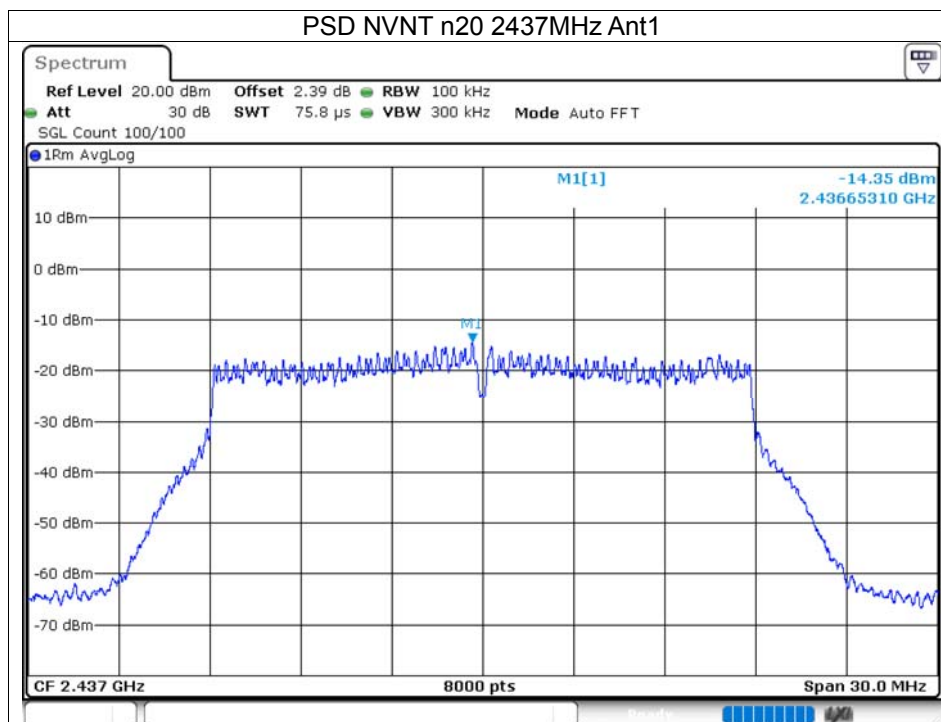
PSD NVNT ax20 2462MHz Ant1

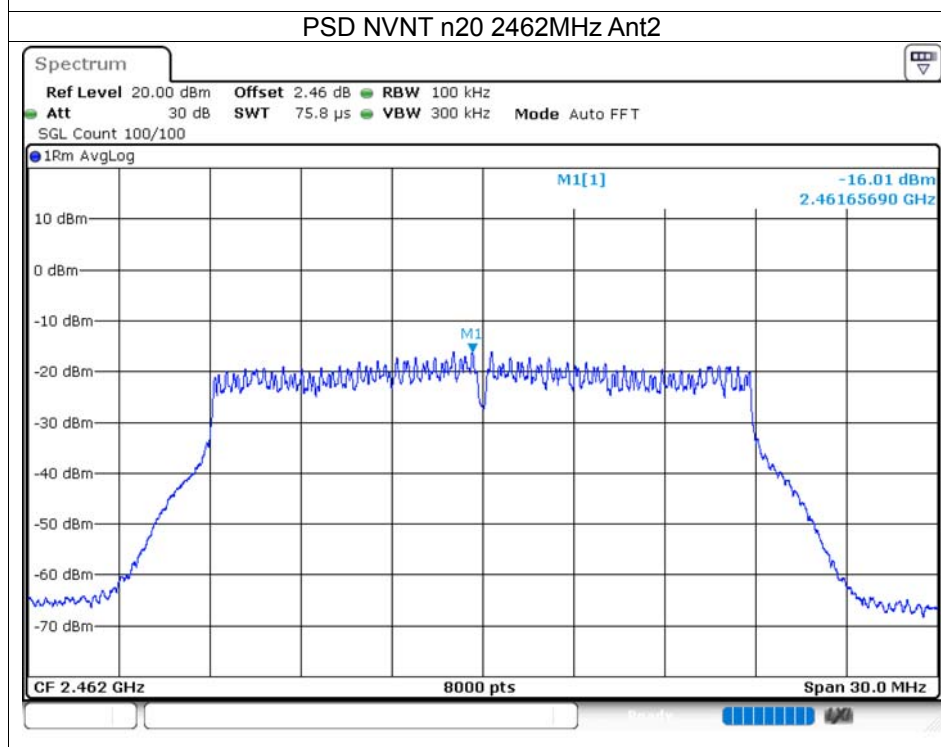
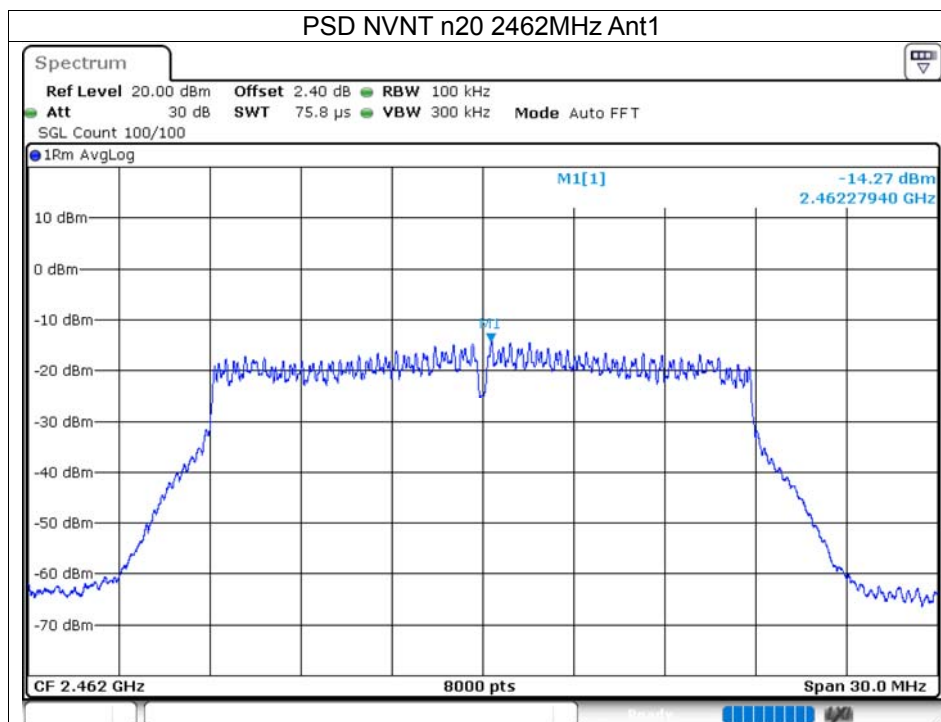


PSD NVNT ax20 2462MHz Ant2







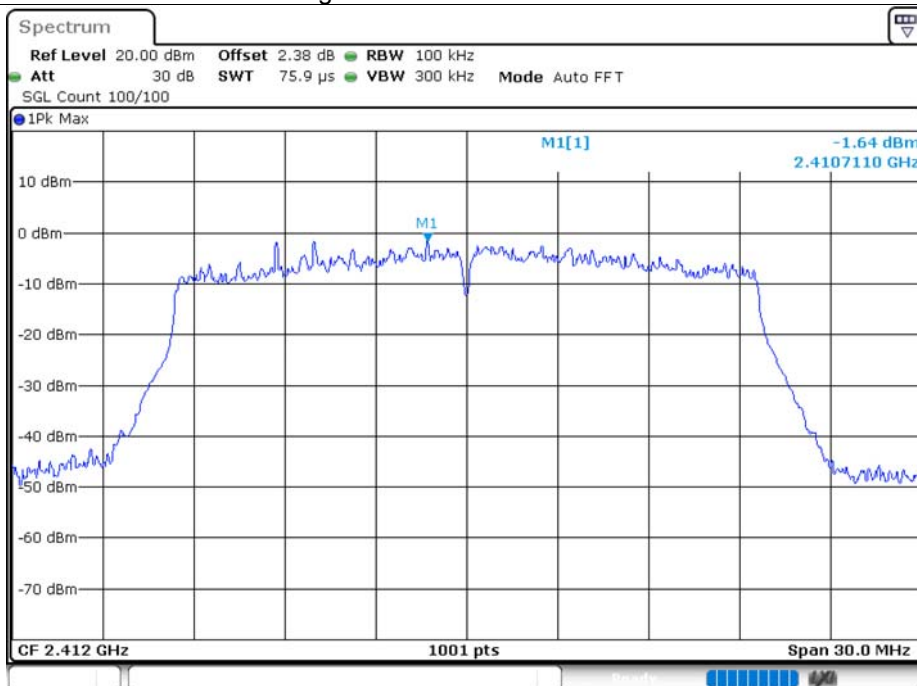


8.2.6 Band Edge

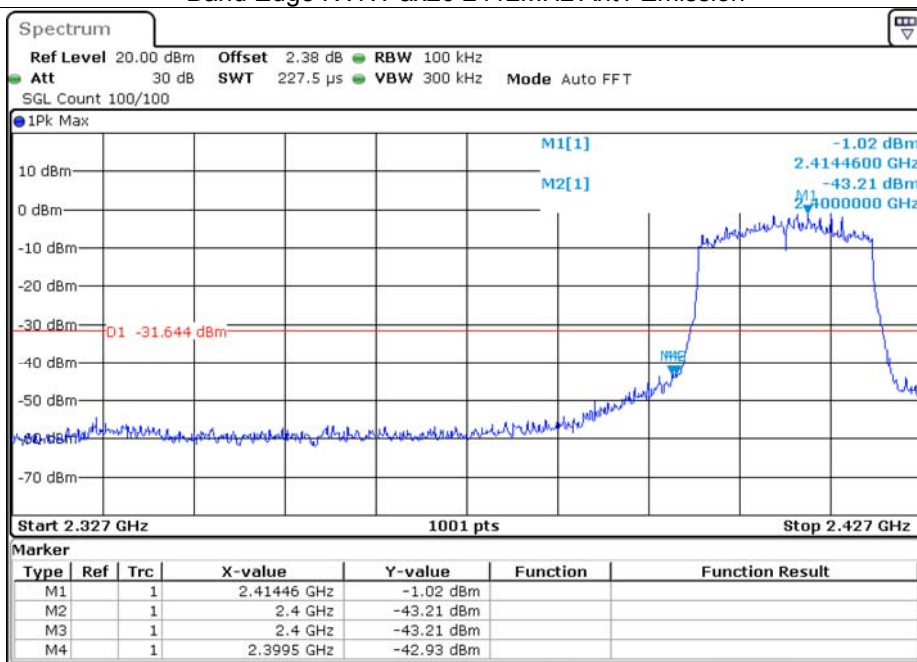
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-41.28	-30	Pass
NVNT	ax20	2412	Ant2	-41.06	-30	Pass
NVNT	ax20	2462	Ant1	-49.43	-30	Pass
NVNT	ax20	2462	Ant2	-50.07	-30	Pass
NVNT	n20	2412	Ant1	-40.25	-30	Pass
NVNT	n20	2412	Ant2	-42.2	-30	Pass
NVNT	n20	2462	Ant1	-49.4	-30	Pass
NVNT	n20	2462	Ant2	-49.64	-30	Pass

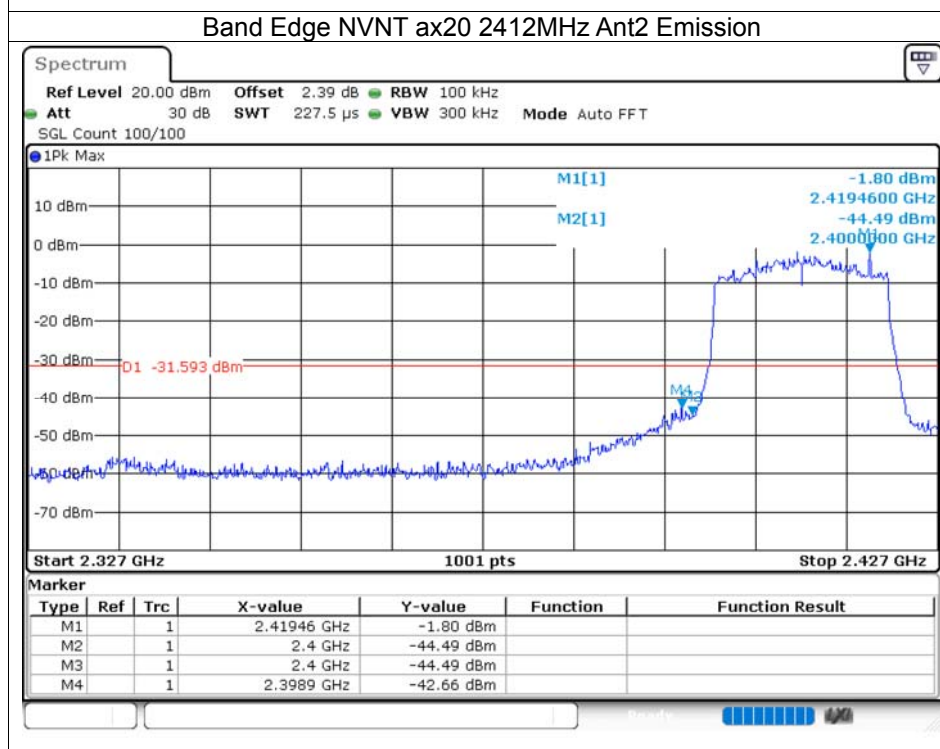
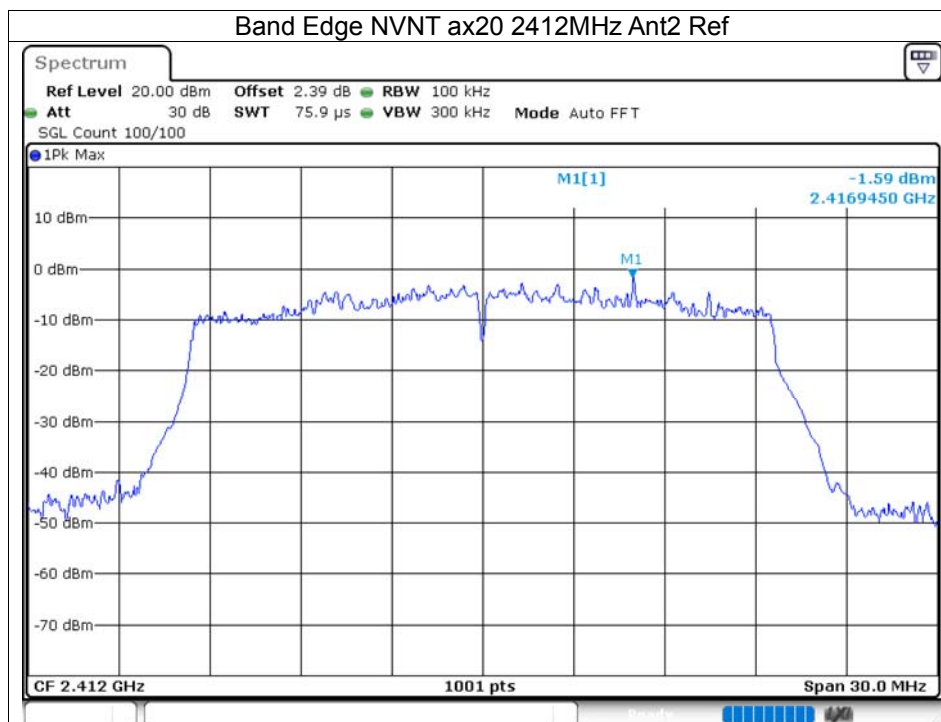
Test Graphs

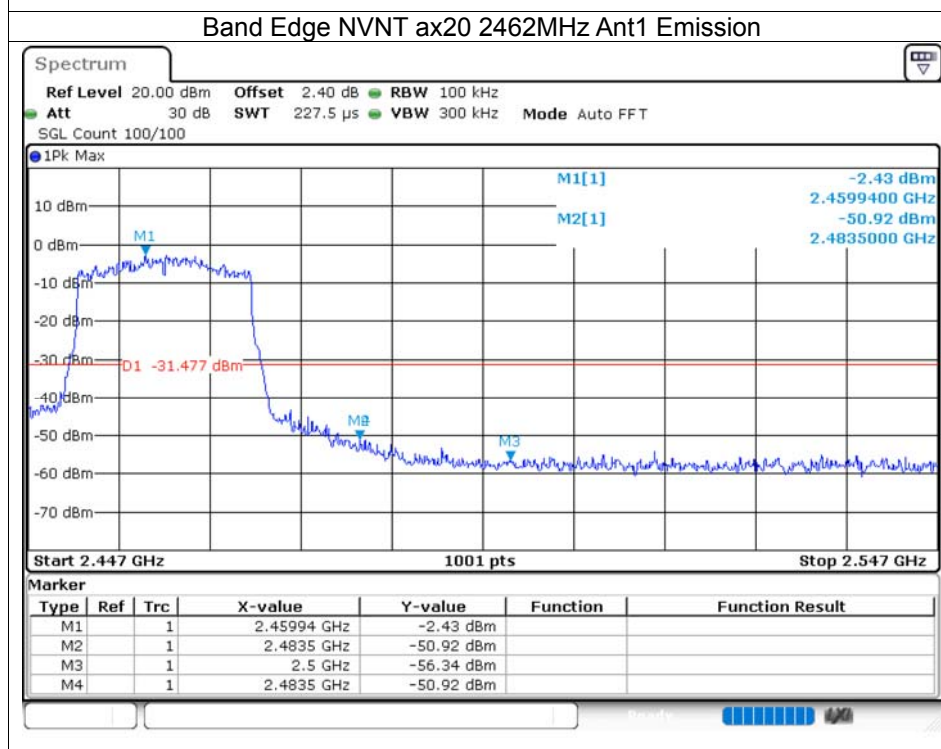
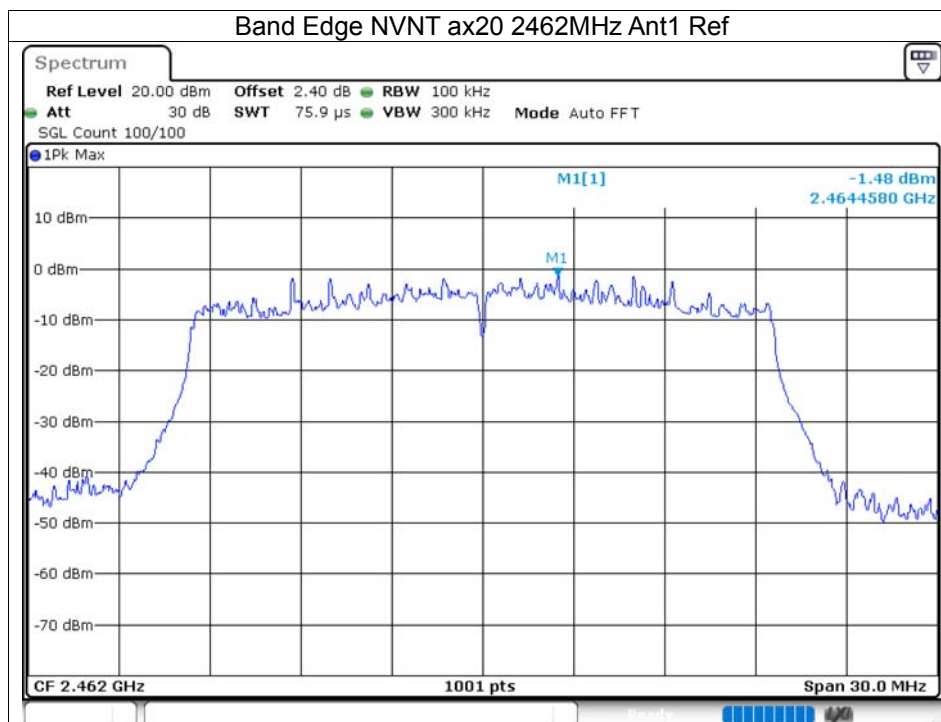
Band Edge NVNT ax20 2412MHz Ant1 Ref

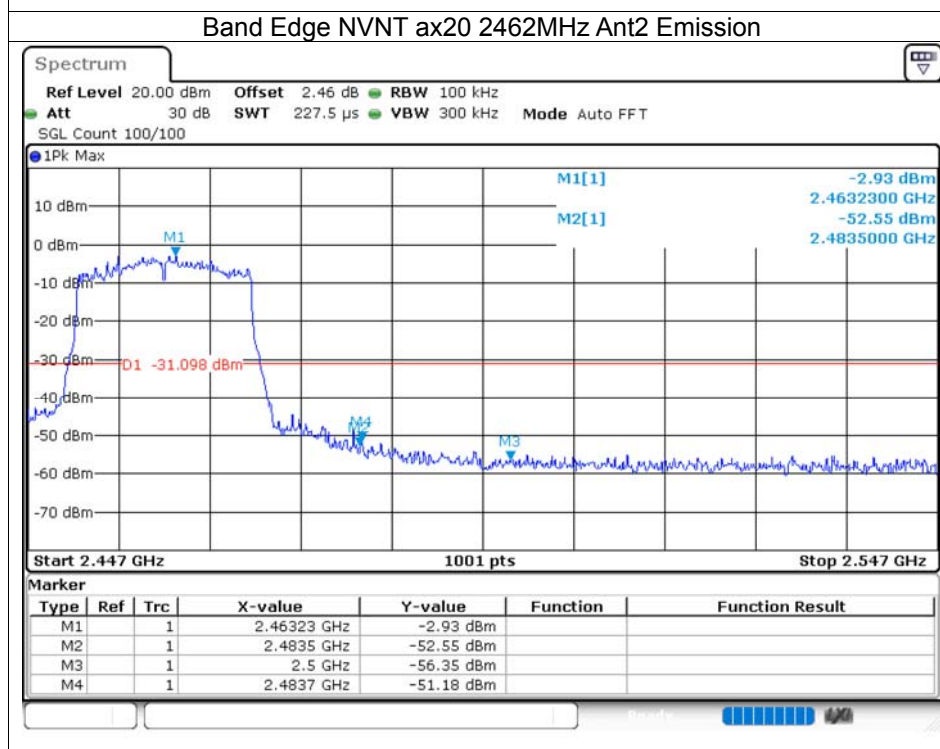
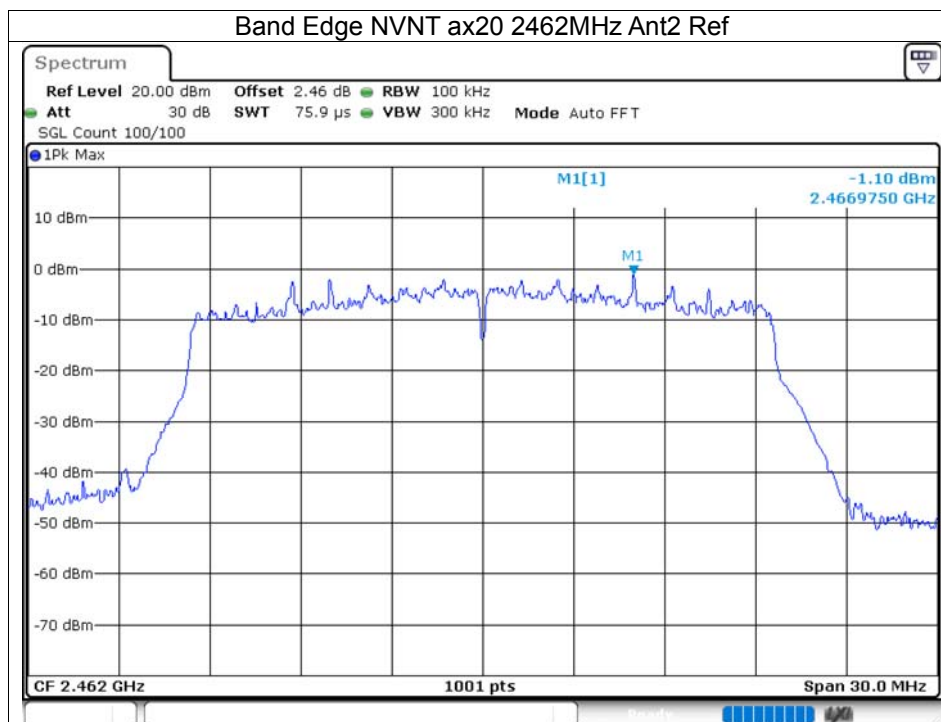


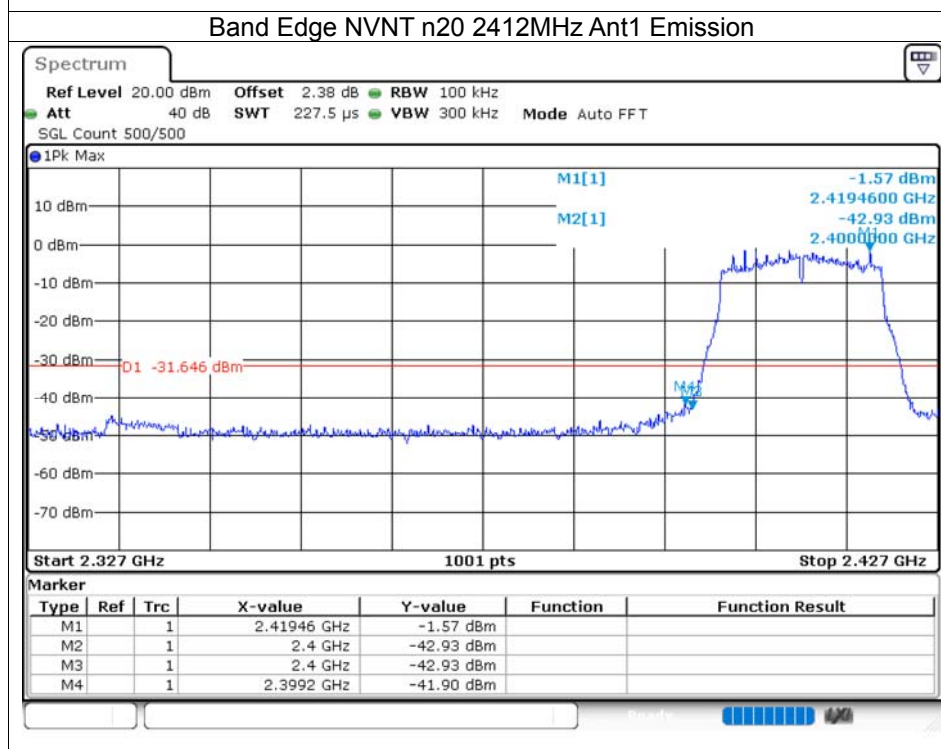
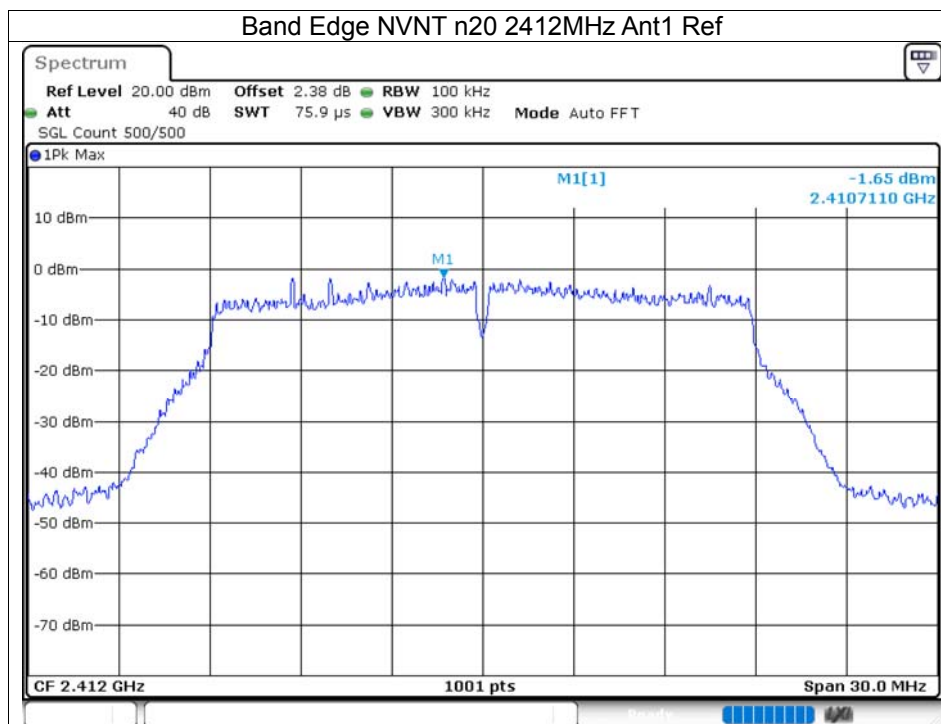
Band Edge NVNT ax20 2412MHz Ant1 Emission

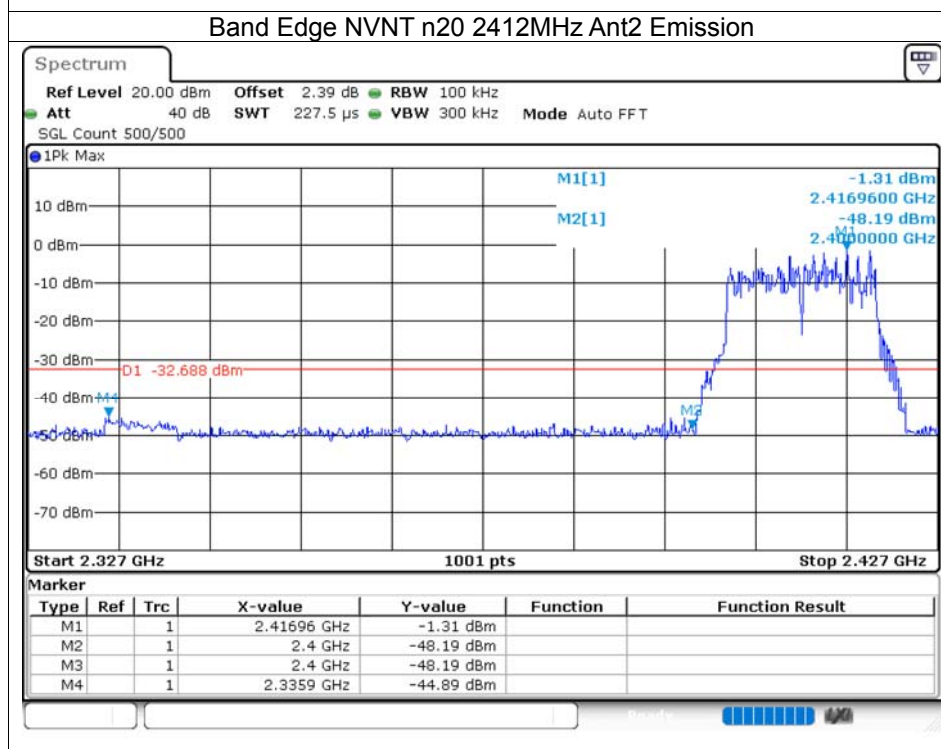
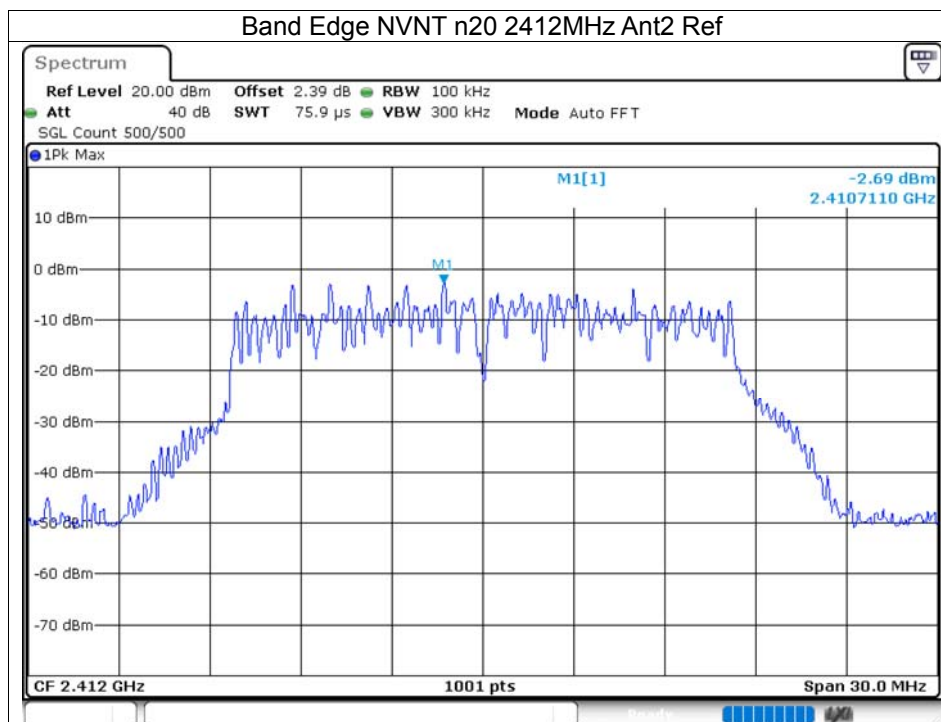


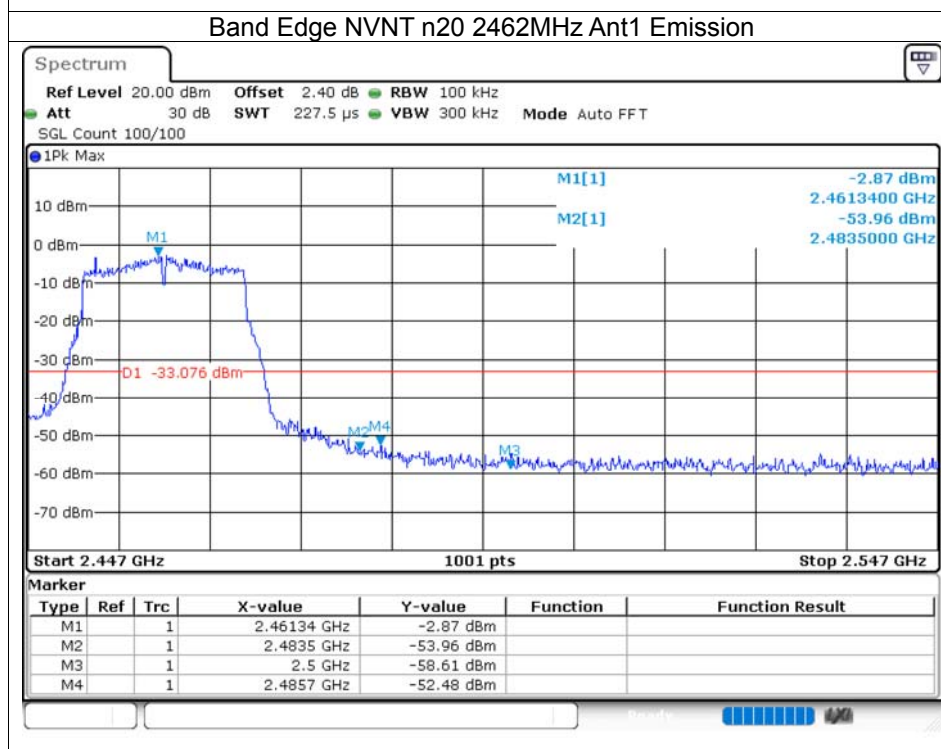
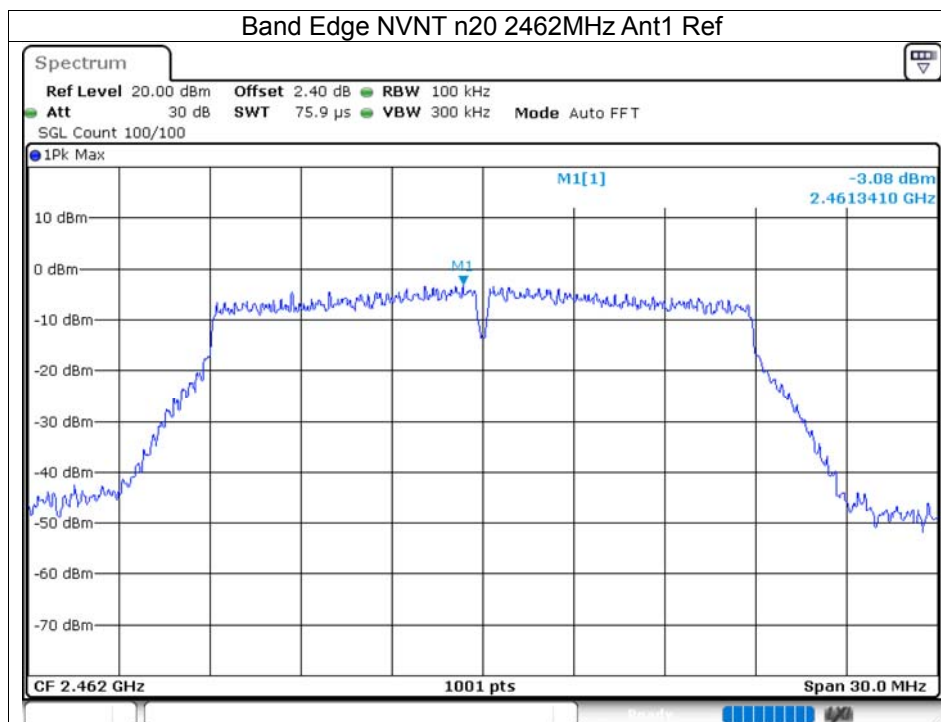


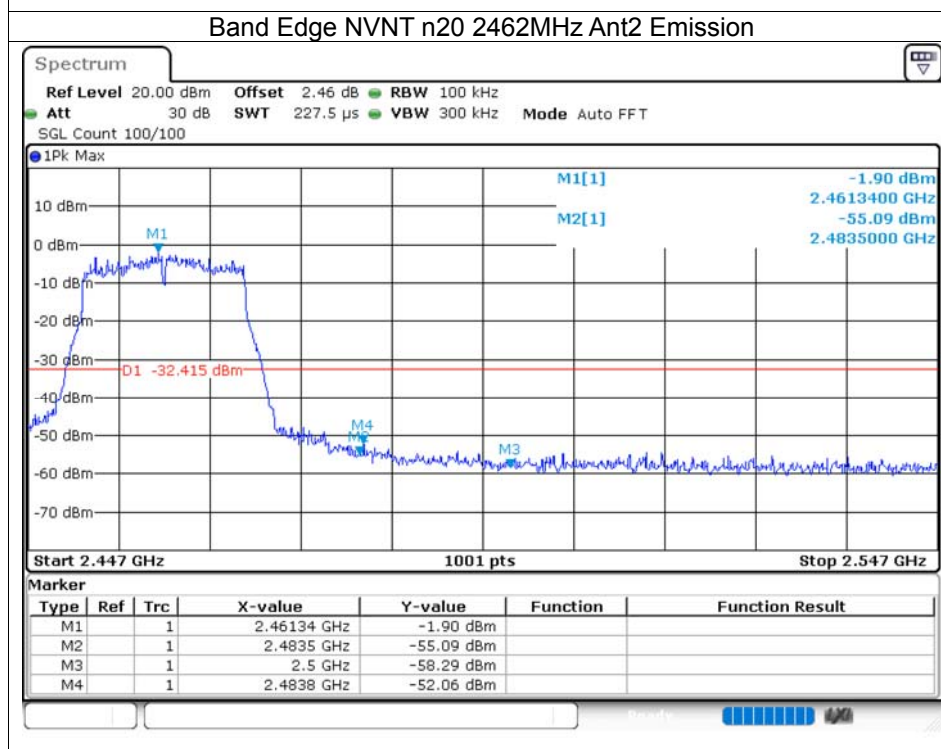
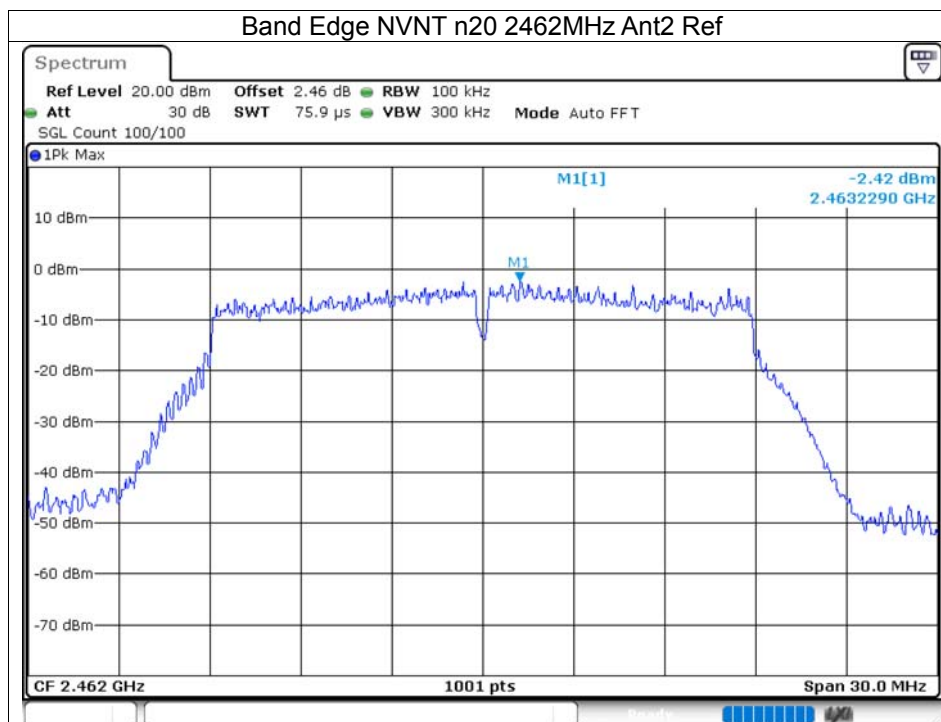






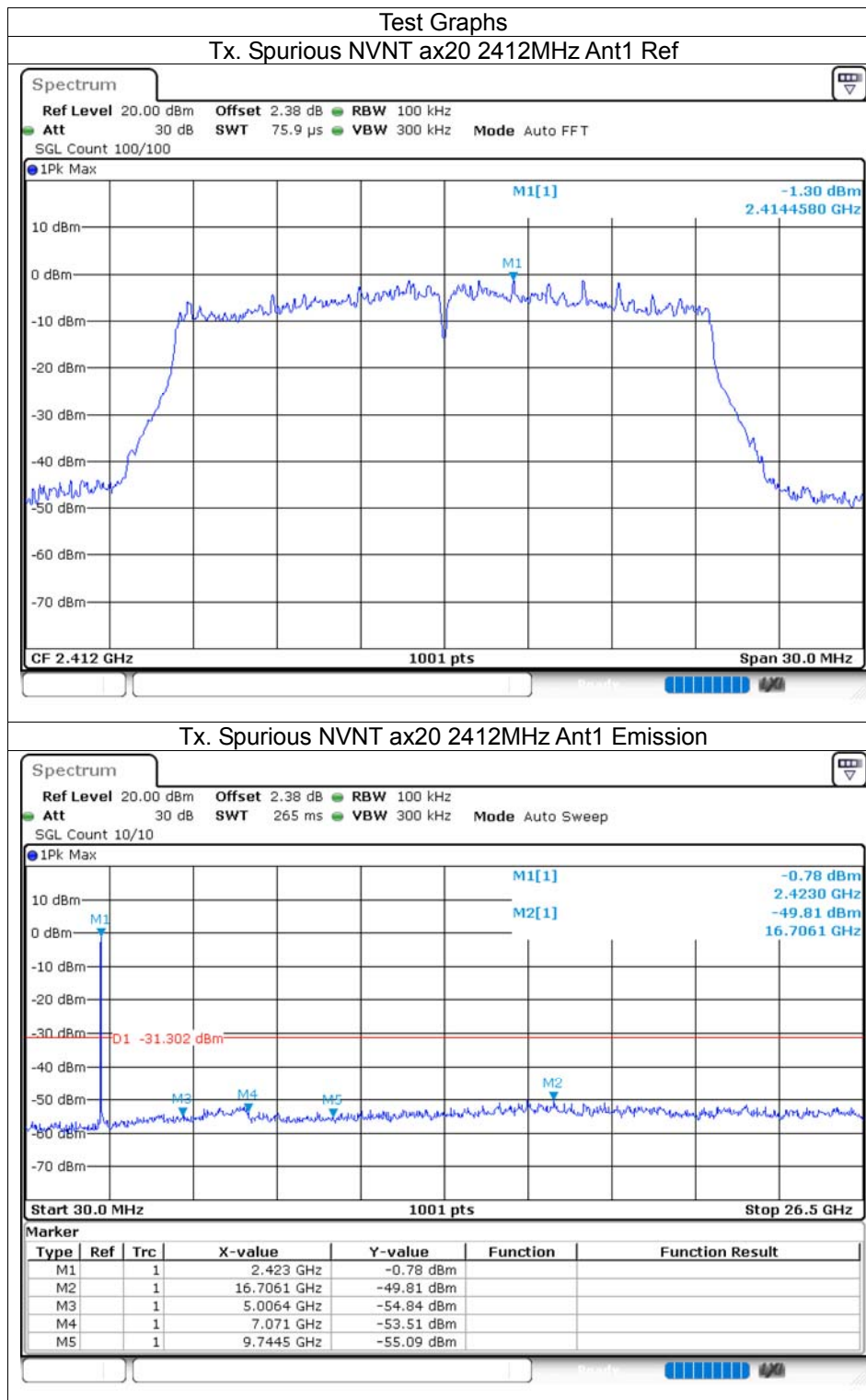


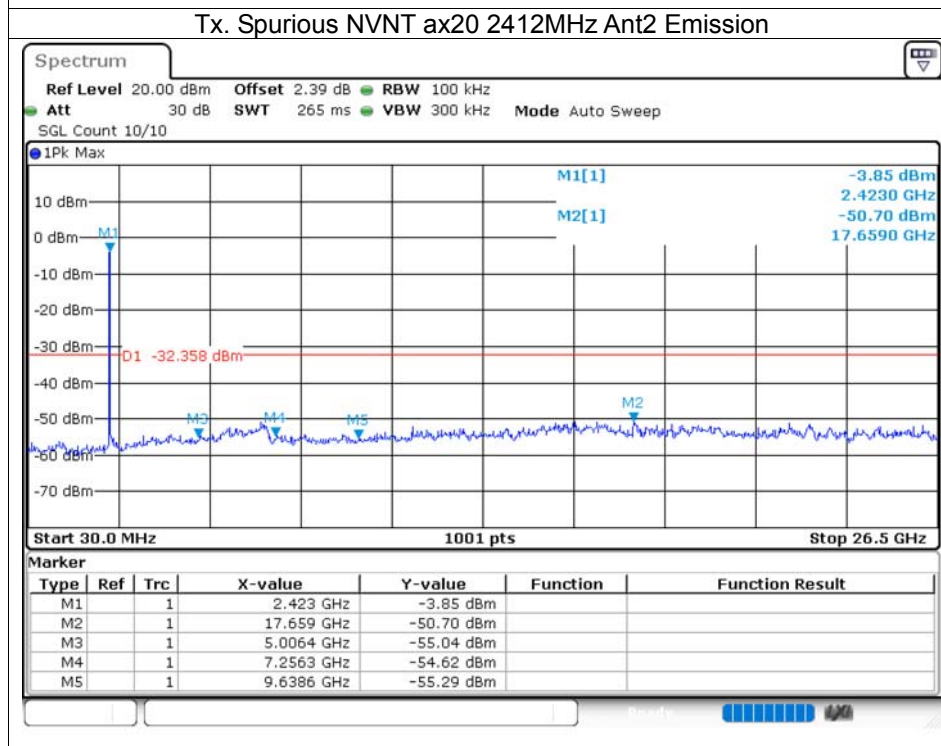
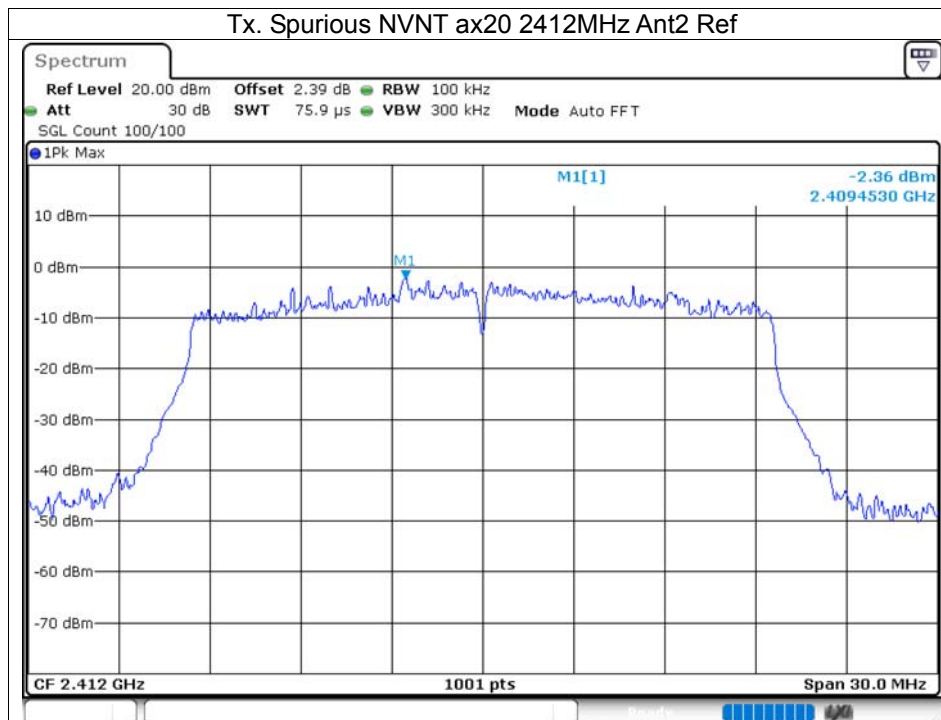




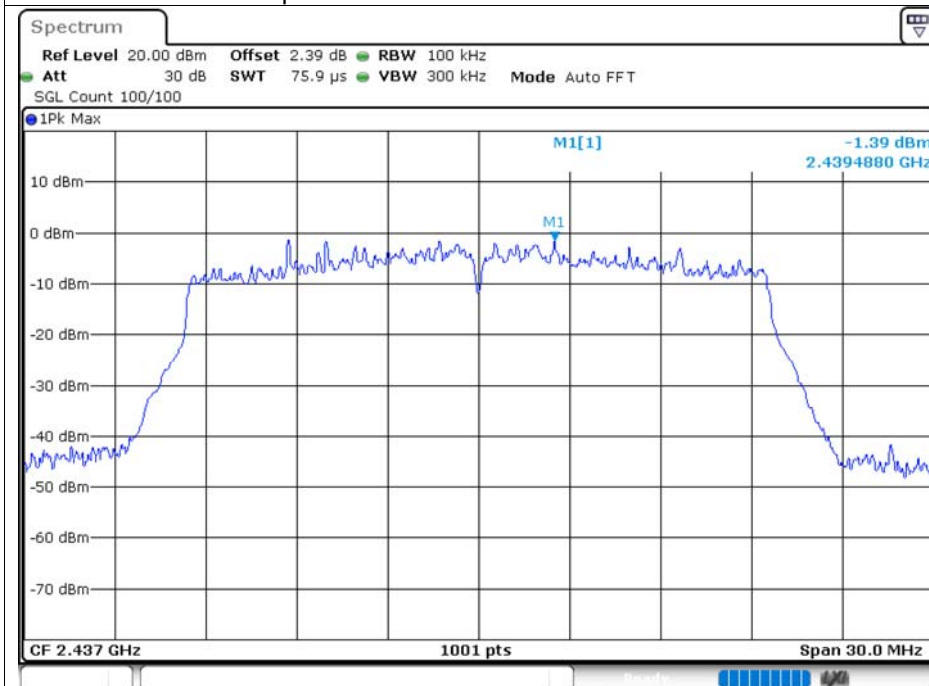
8.2.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-48.5	-30	Pass
NVNT	ax20	2412	Ant2	-48.34	-30	Pass
NVNT	ax20	2437	Ant1	-49.23	-30	Pass
NVNT	ax20	2437	Ant2	-47.84	-30	Pass
NVNT	ax20	2462	Ant1	-47.97	-30	Pass
NVNT	ax20	2462	Ant2	-48.83	-30	Pass
NVNT	n20	2412	Ant1	-47.87	-30	Pass
NVNT	n20	2412	Ant2	-46.41	-30	Pass
NVNT	n20	2437	Ant1	-47.94	-30	Pass
NVNT	n20	2437	Ant2	-46.95	-30	Pass
NVNT	n20	2462	Ant1	-46.92	-30	Pass
NVNT	n20	2462	Ant2	-47.19	-30	Pass

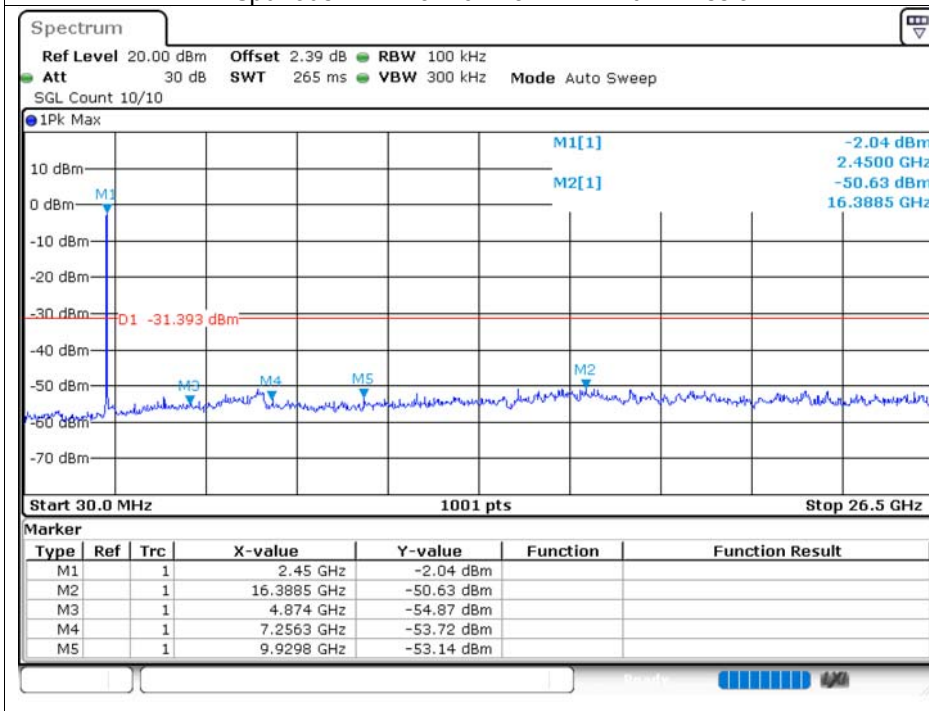


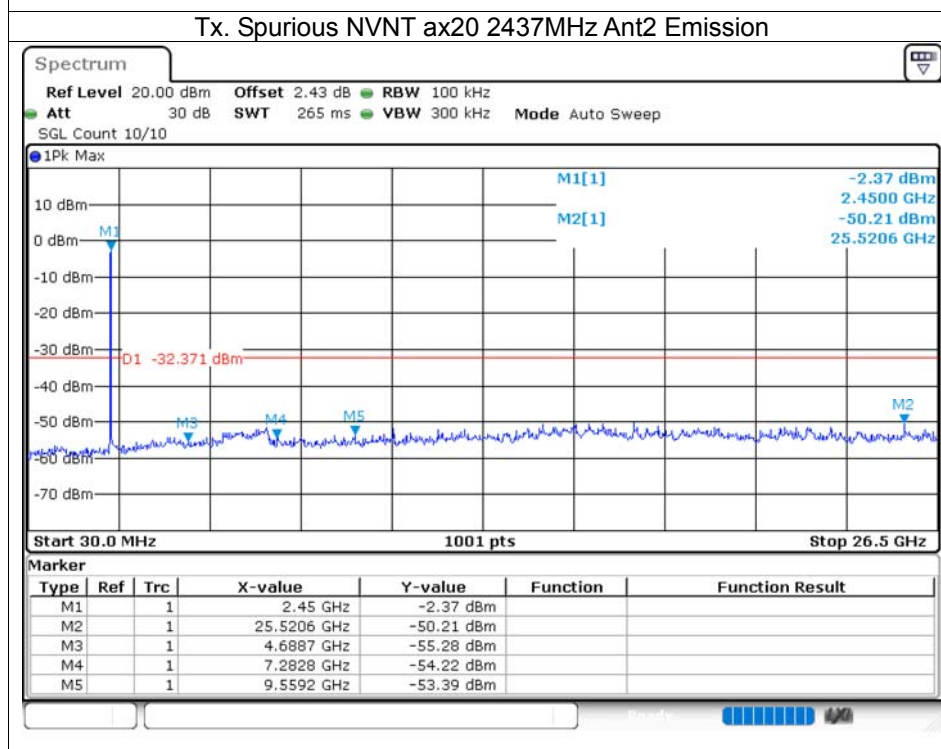
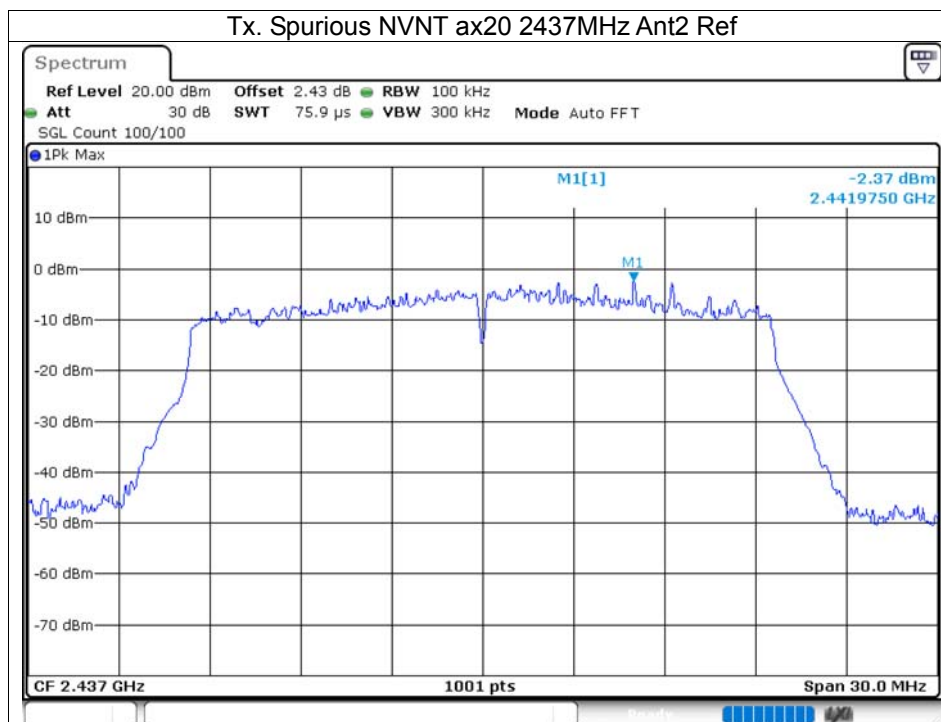


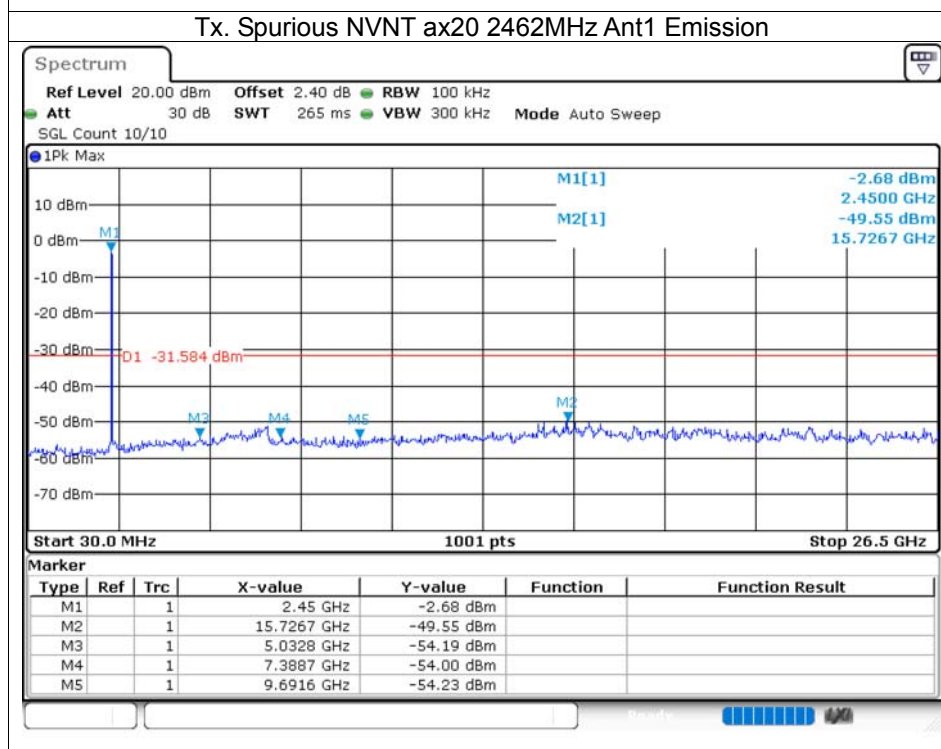
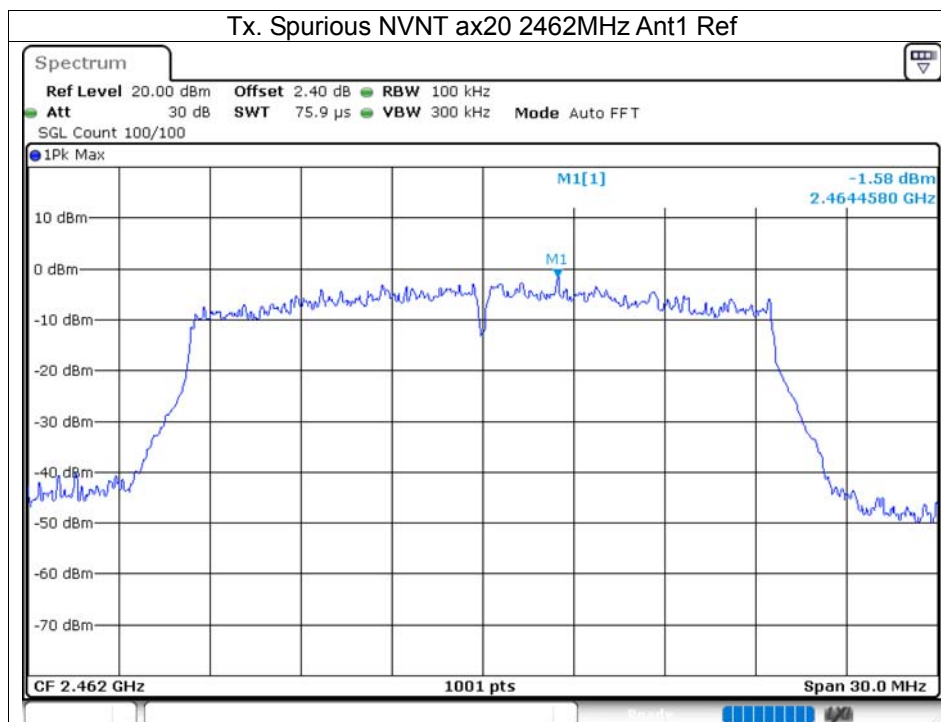
Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



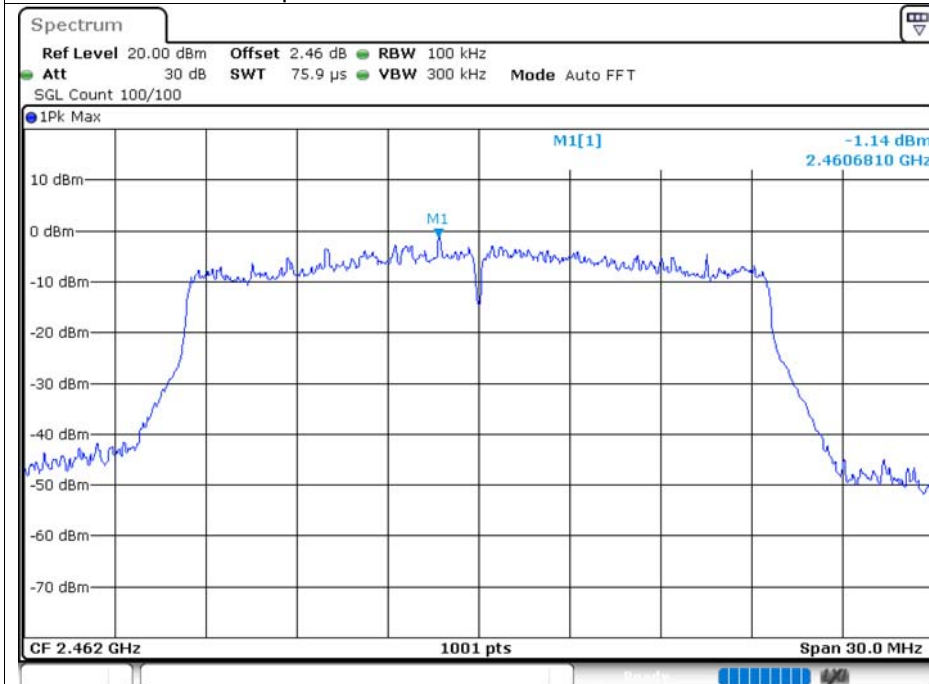
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



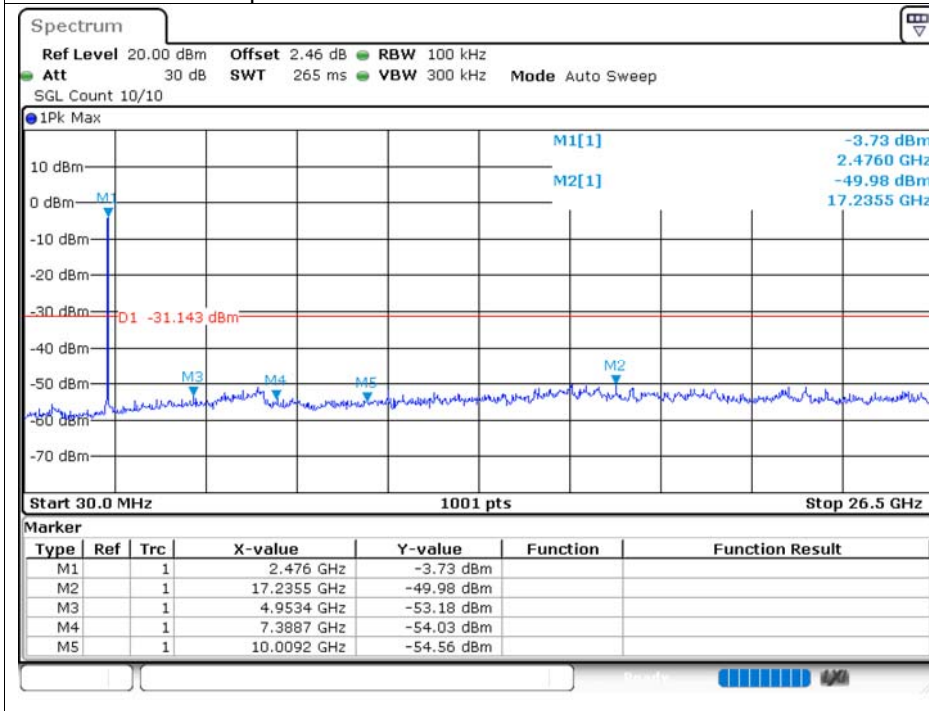


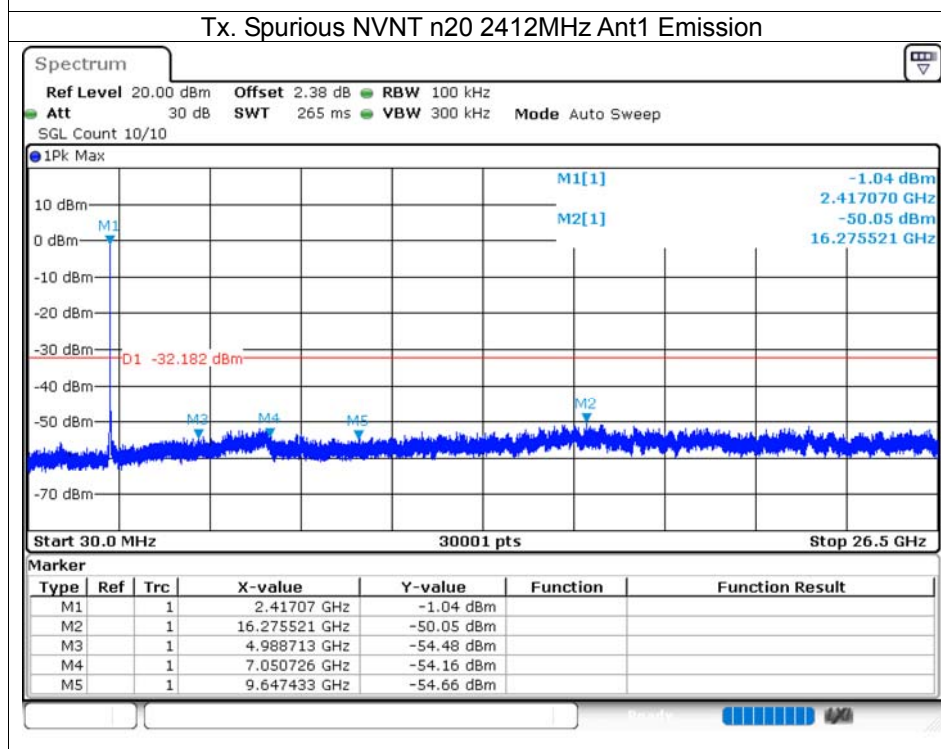
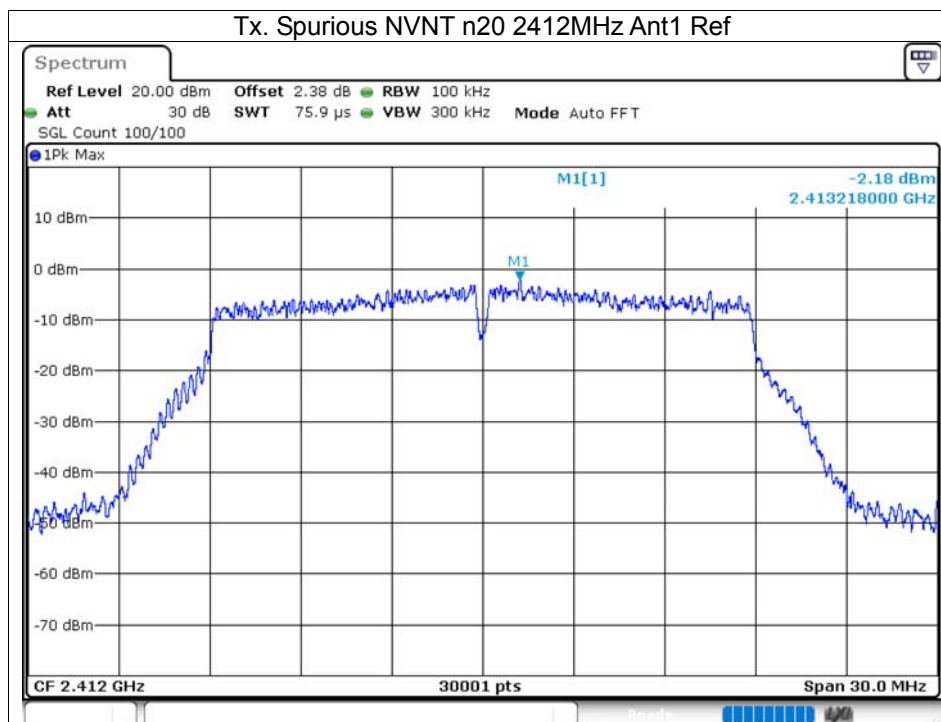


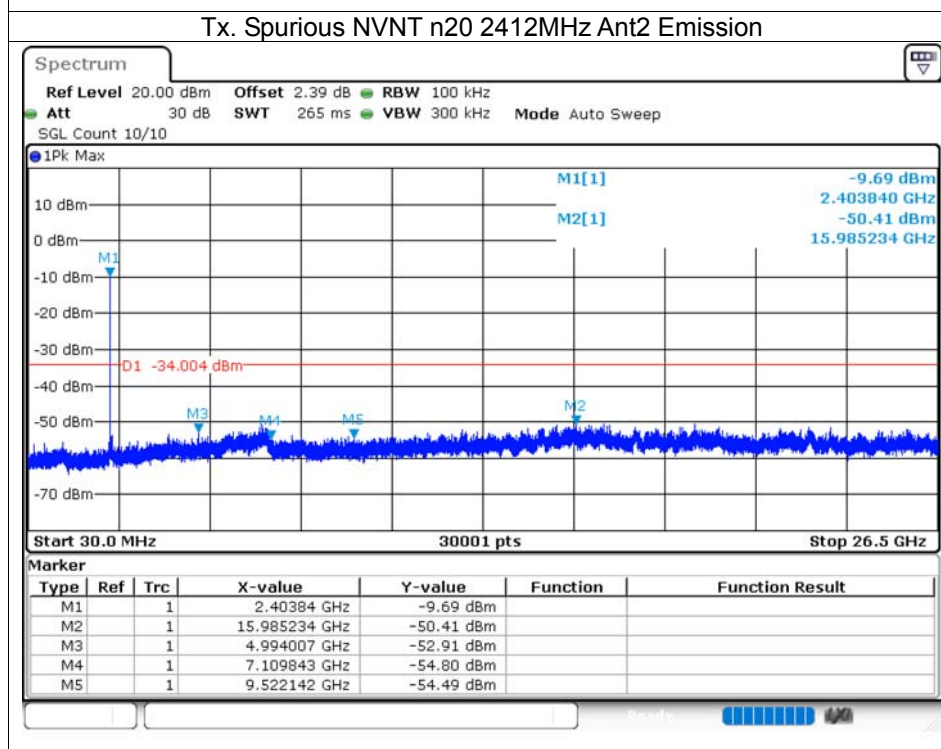
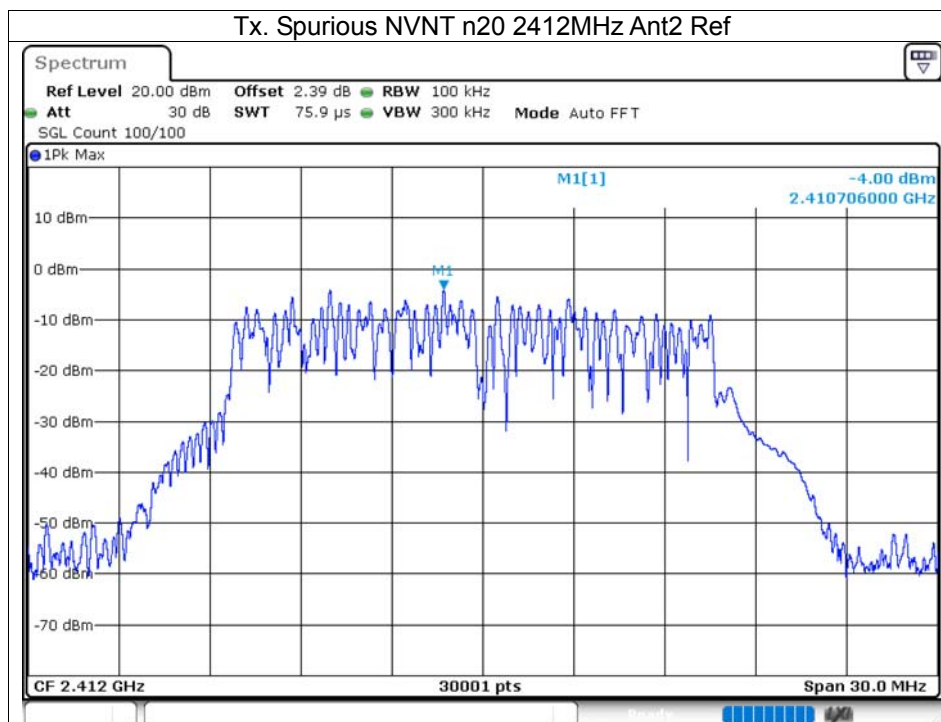
Tx. Spurious NVNT ax20 2462MHz Ant2 Ref

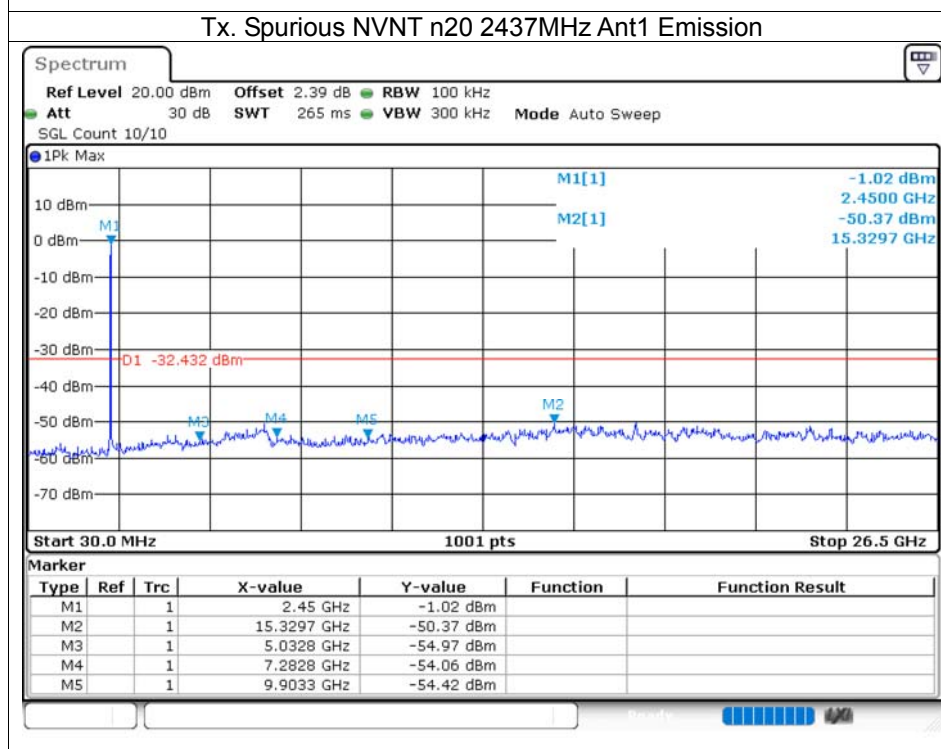
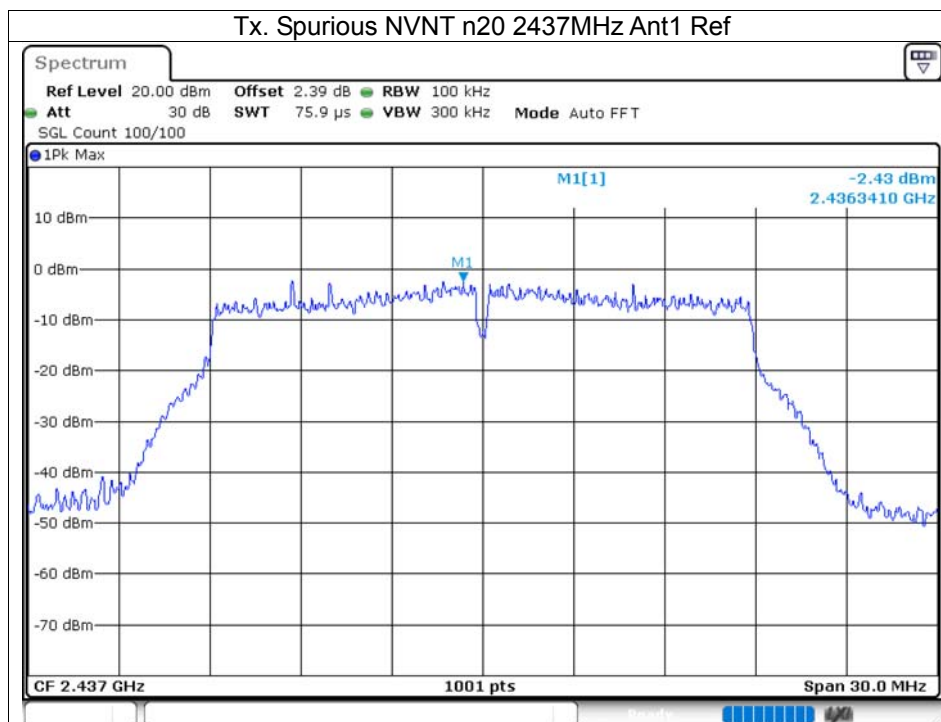


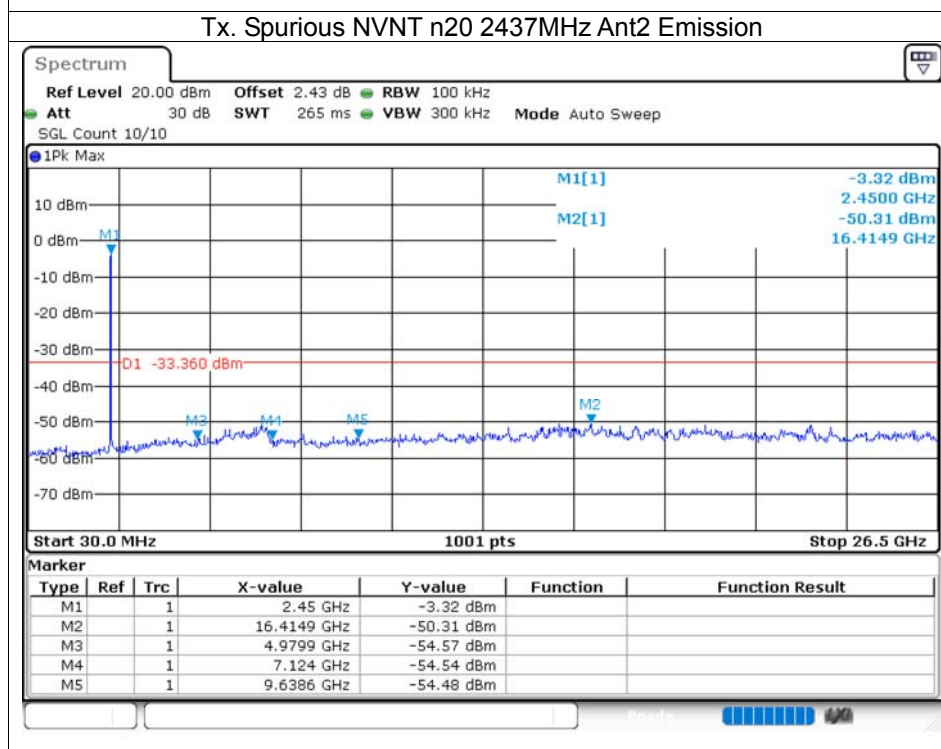
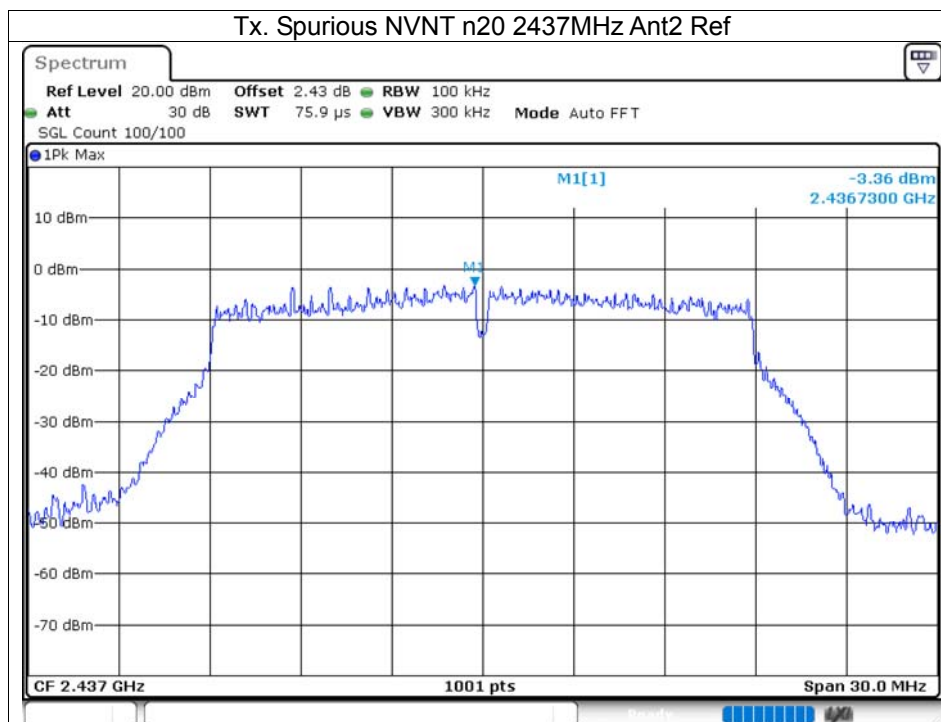
Tx. Spurious NVNT ax20 2462MHz Ant2 Emission

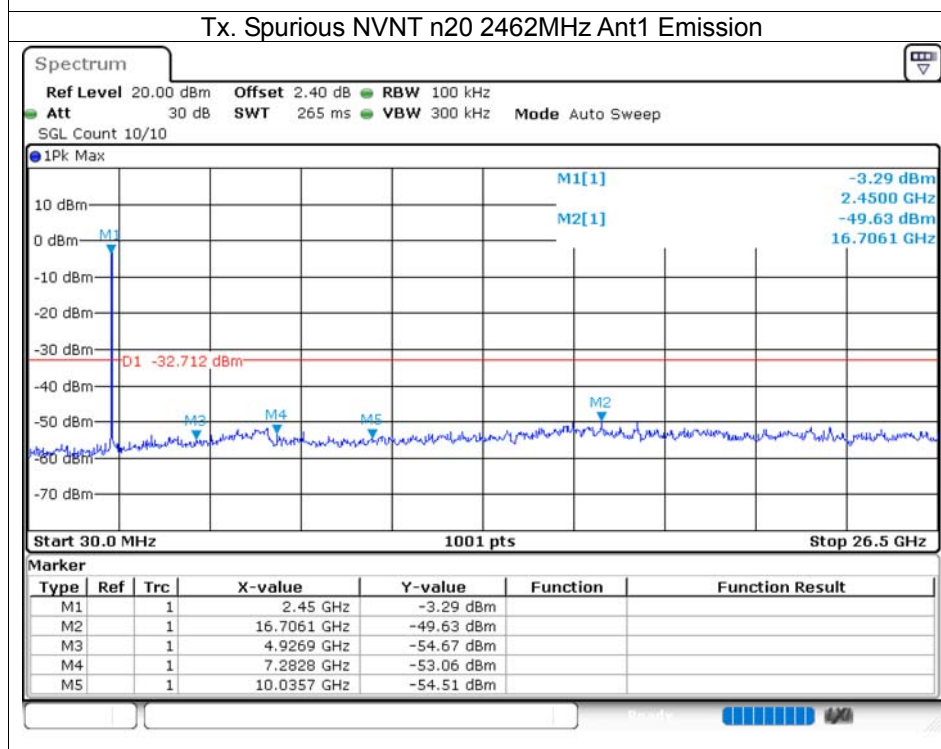
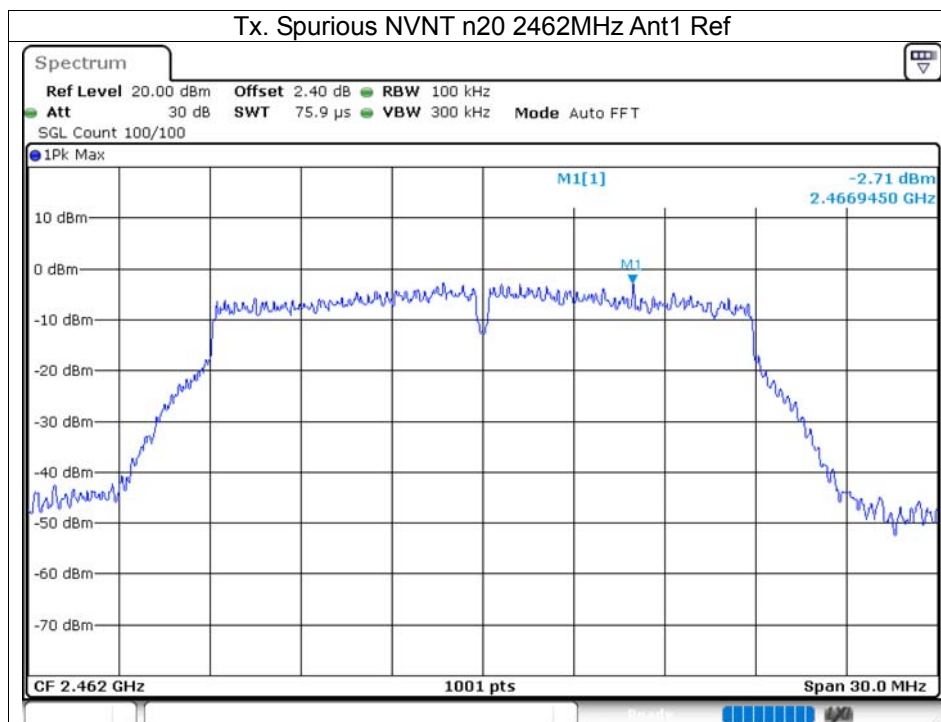


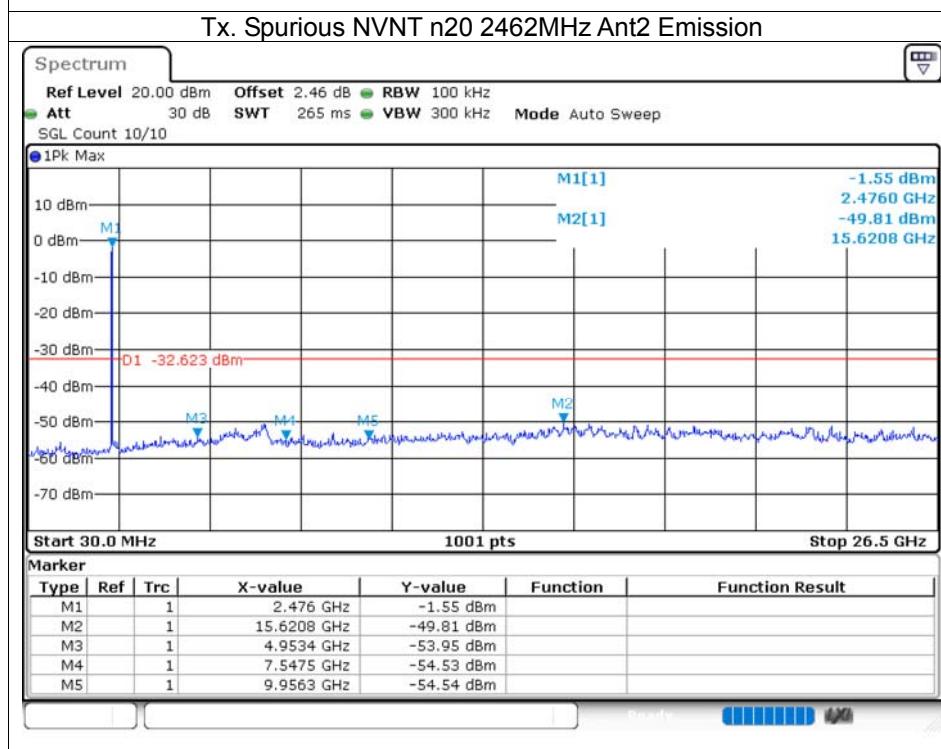
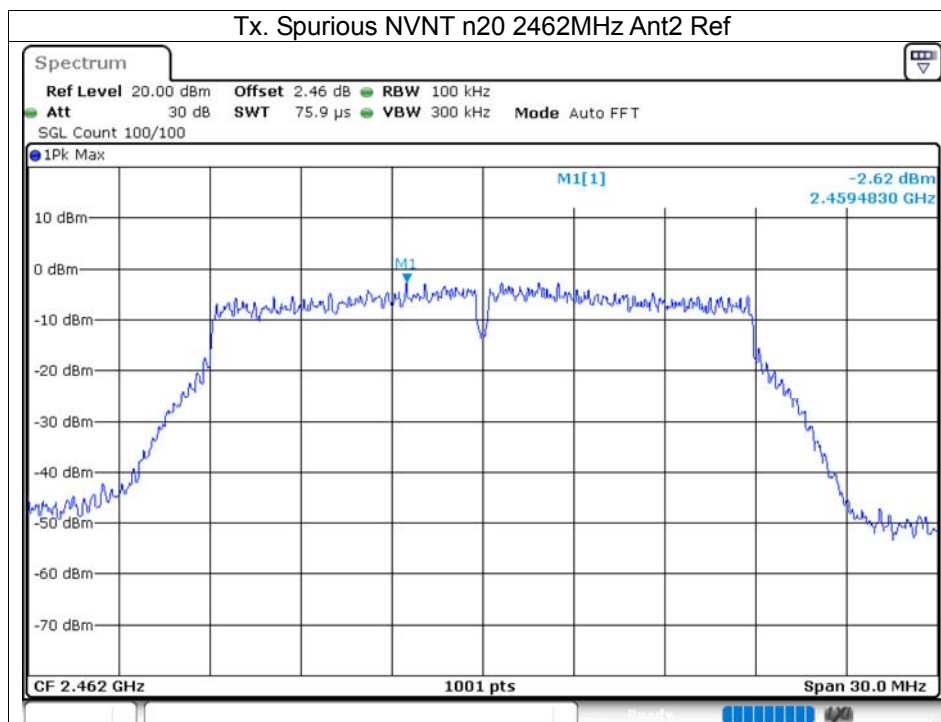












END OF REPORT