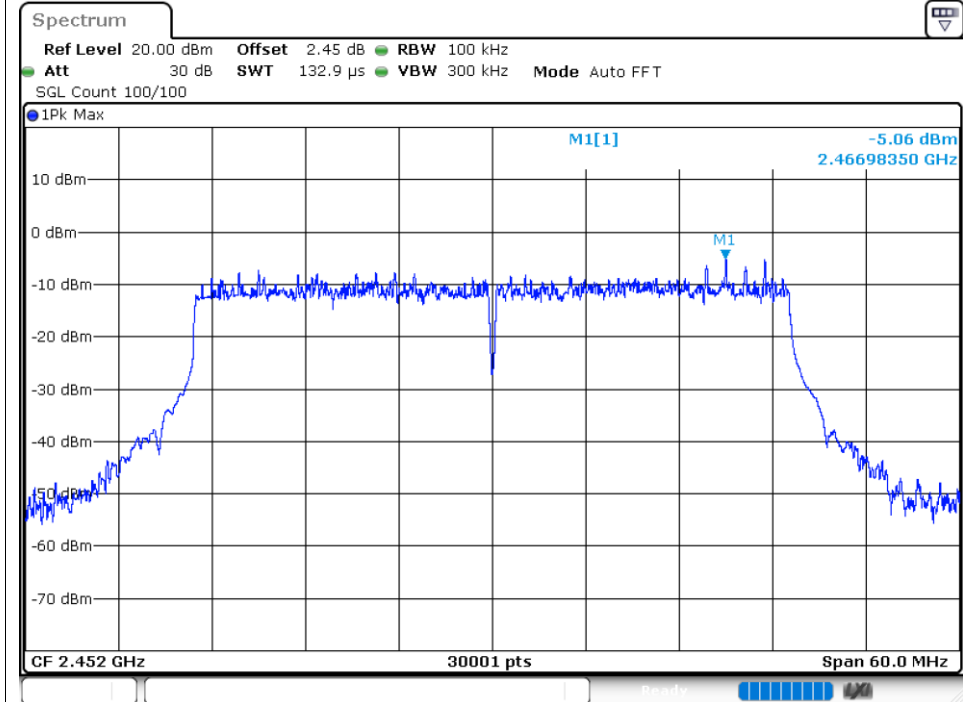
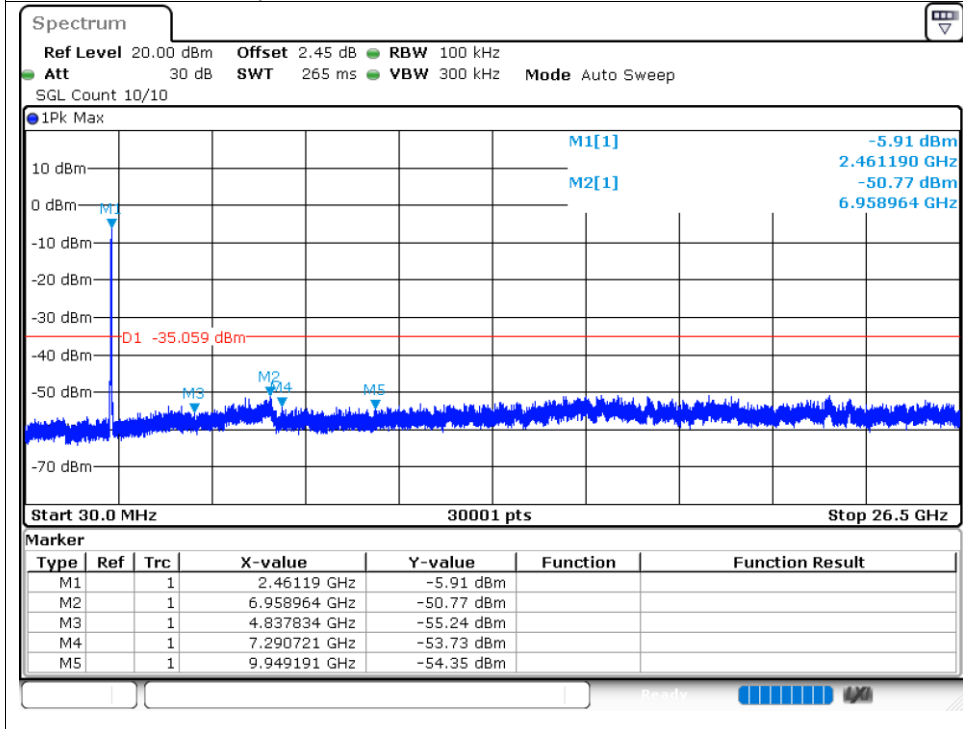


Tx. Spurious NVNT ax40 2452MHz Ant2 Ref



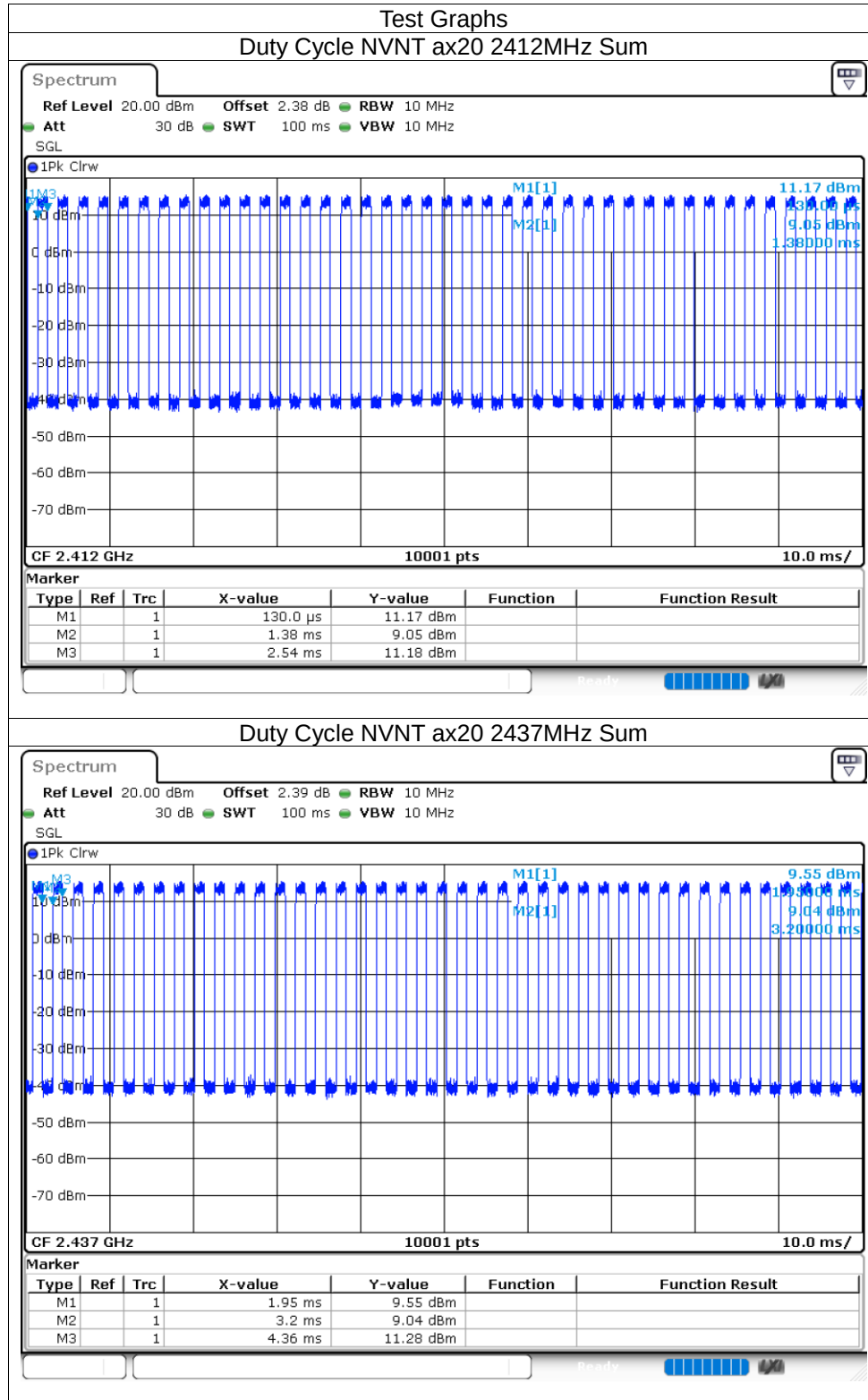
Tx. Spurious NVNT ax40 2452MHz Ant2 Emission

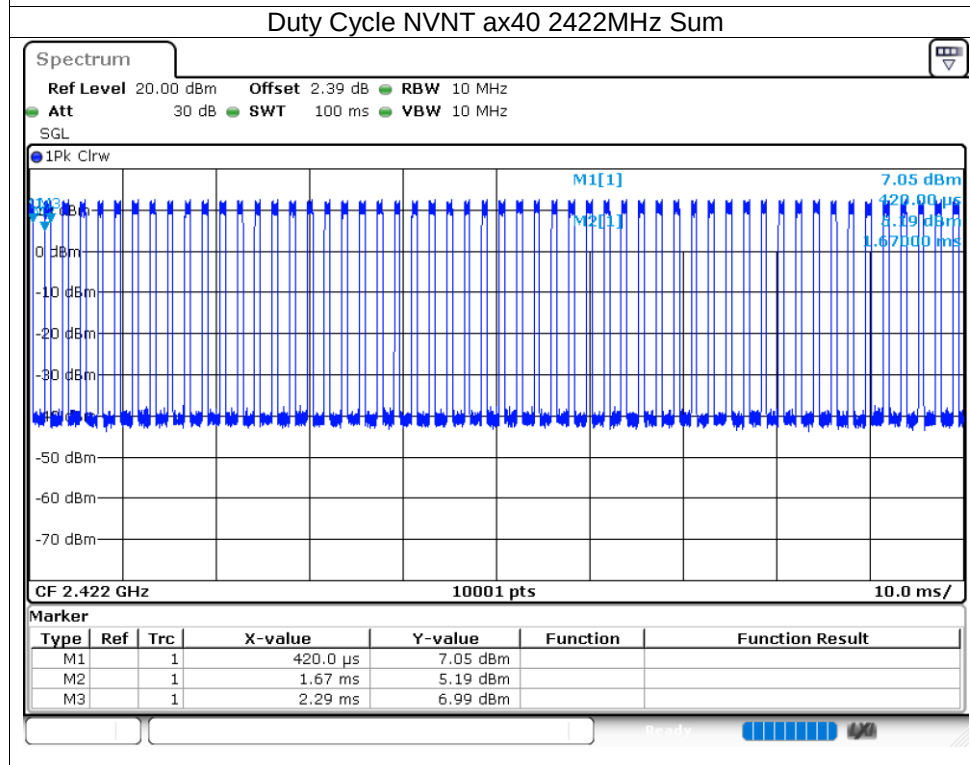
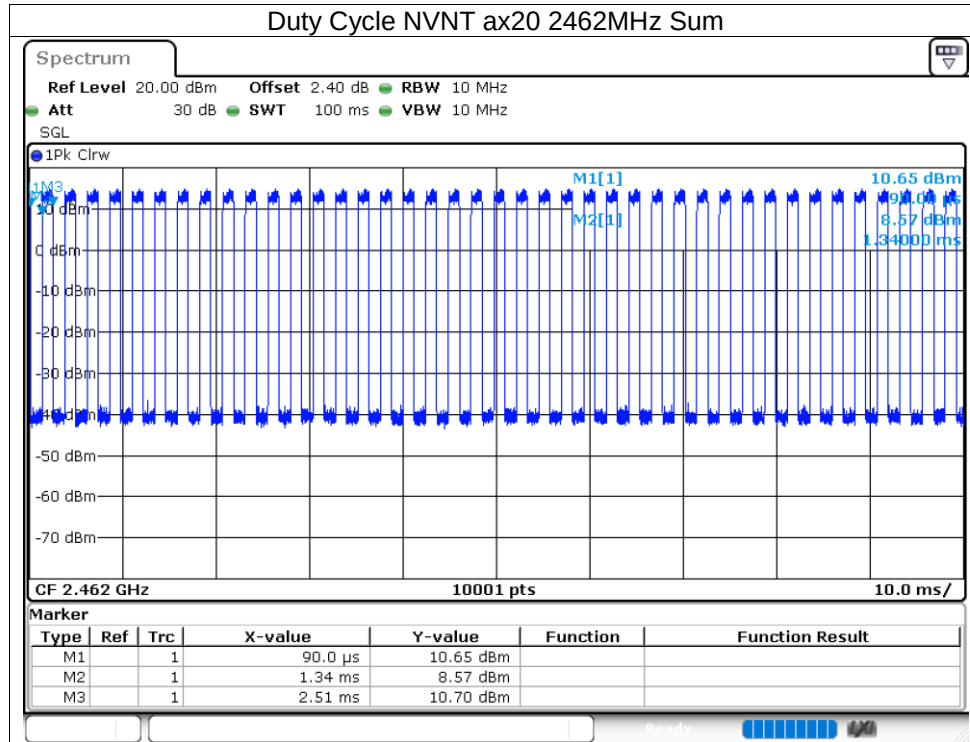


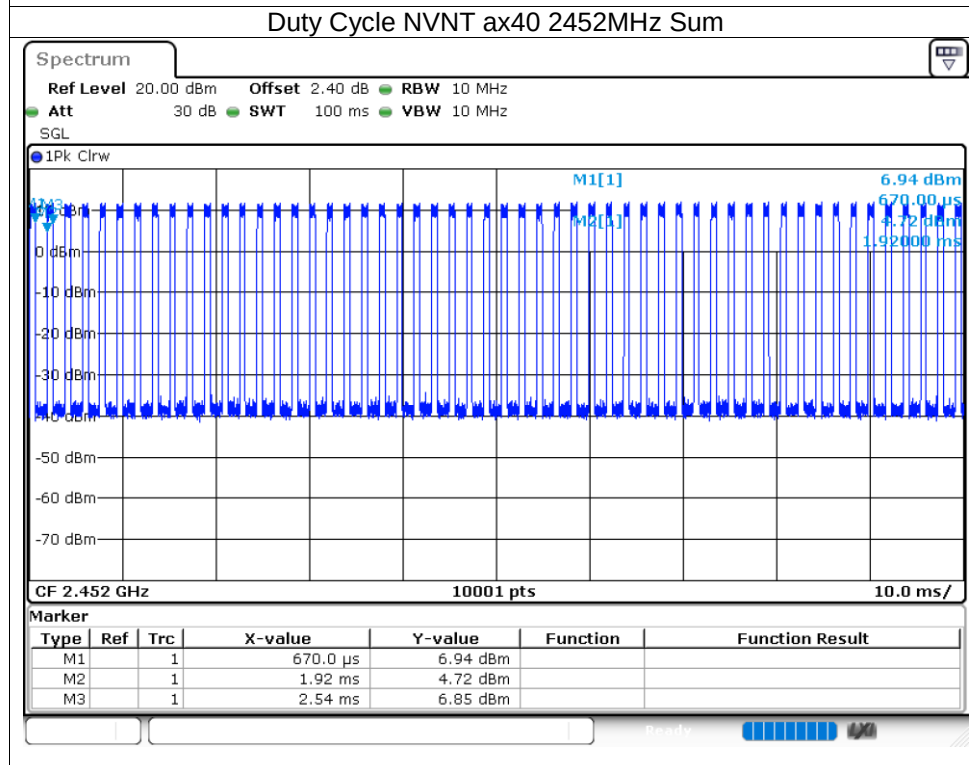
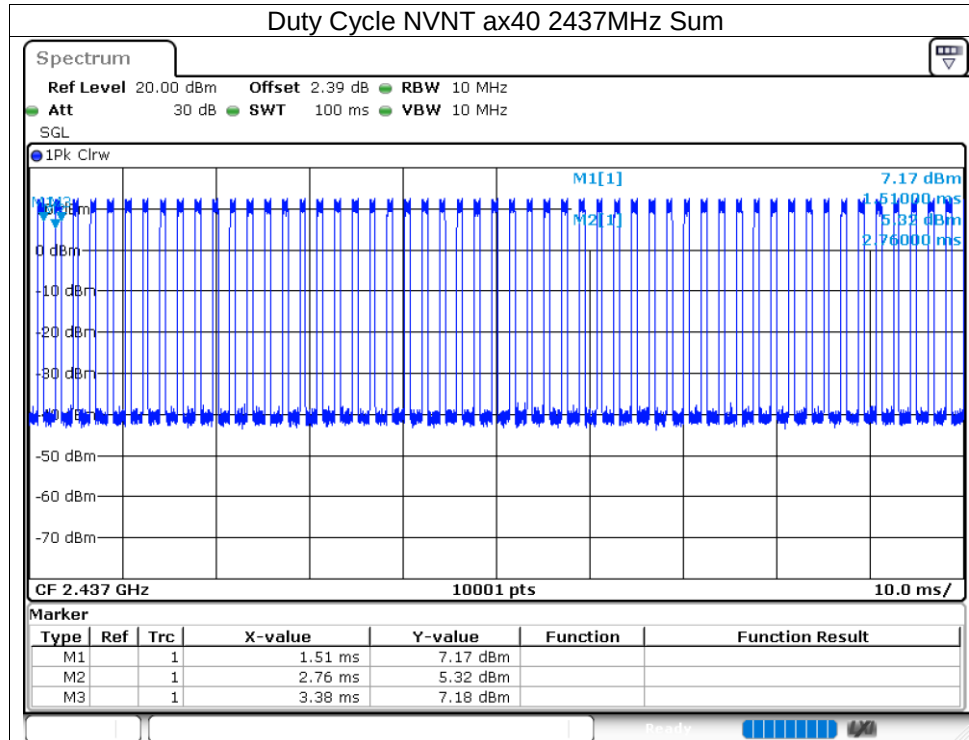
8.2 WIFI 2.4G MIMO

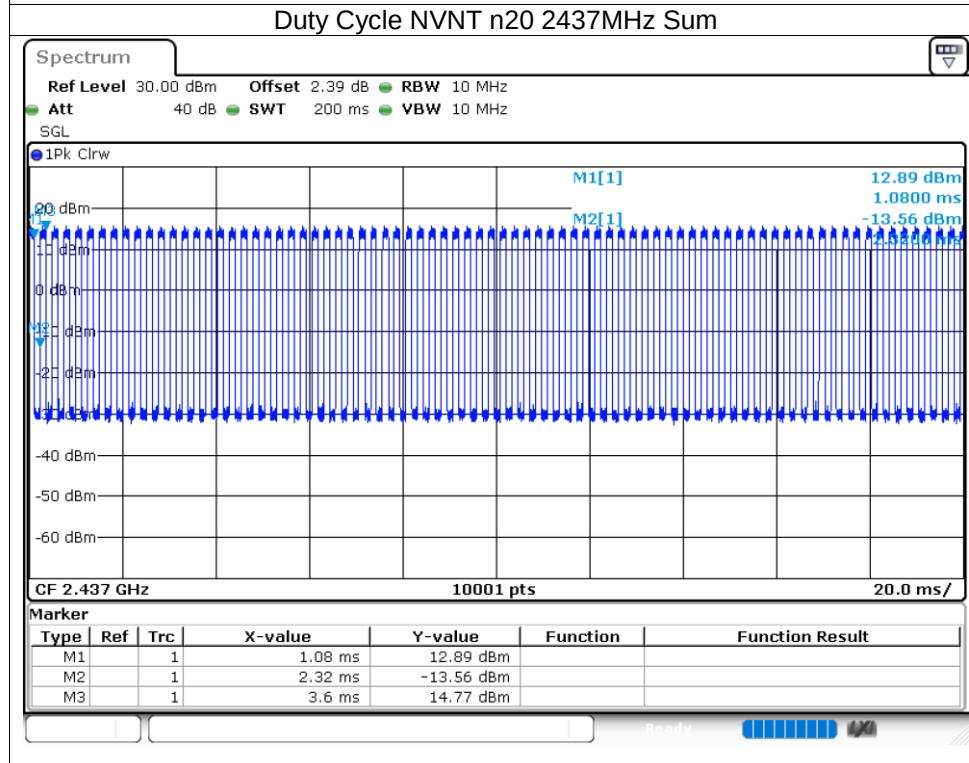
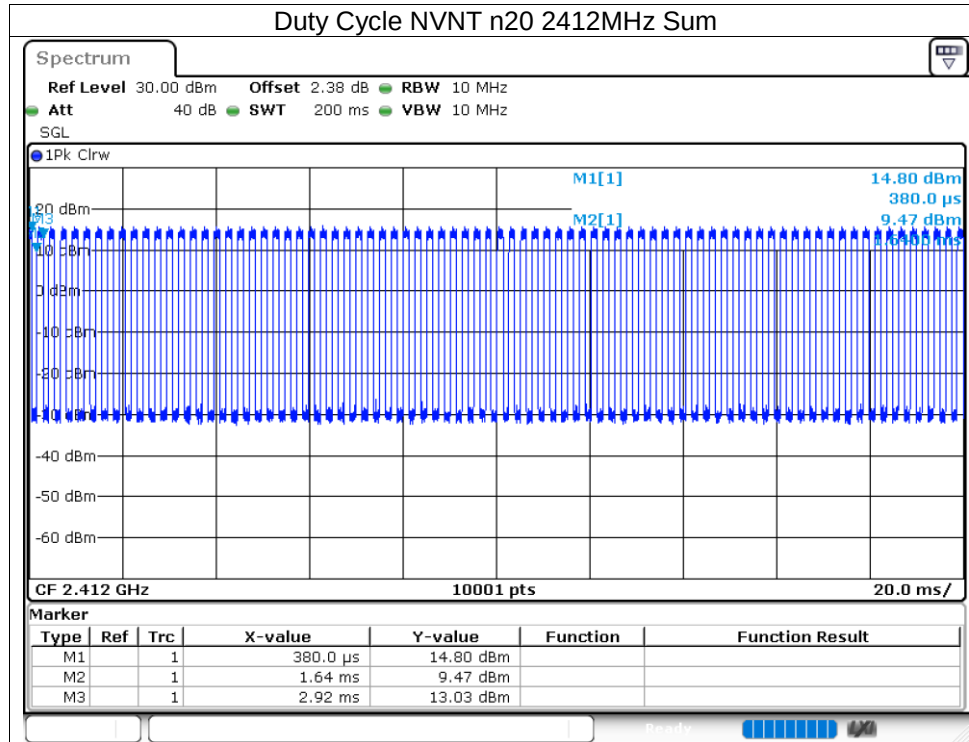
8.2.1 Duty Cycle

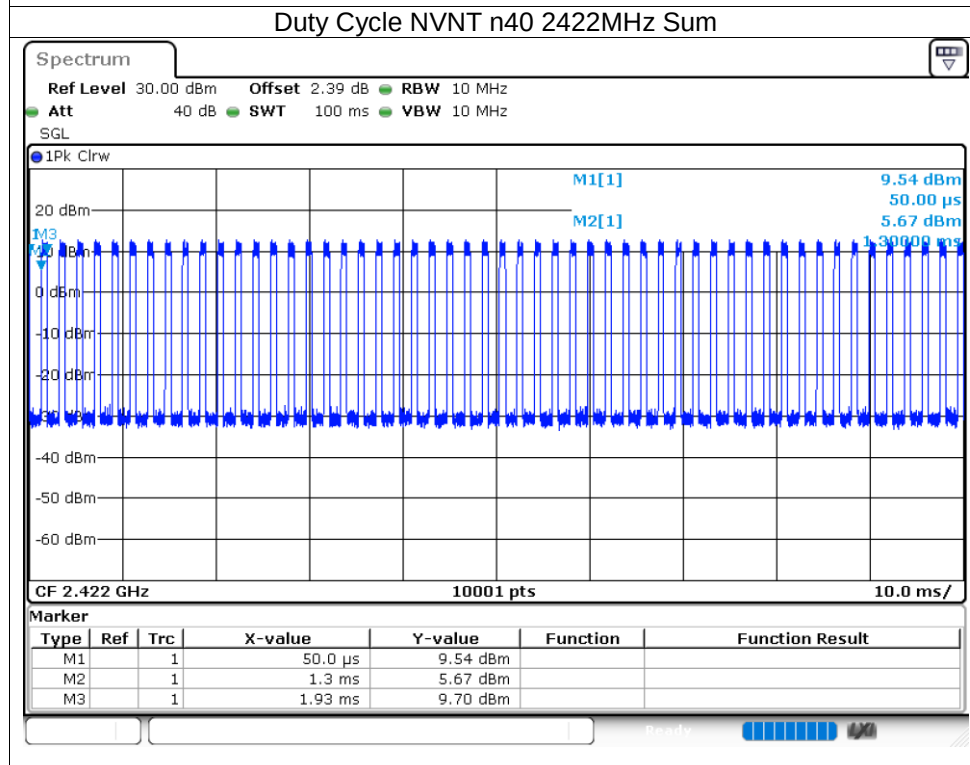
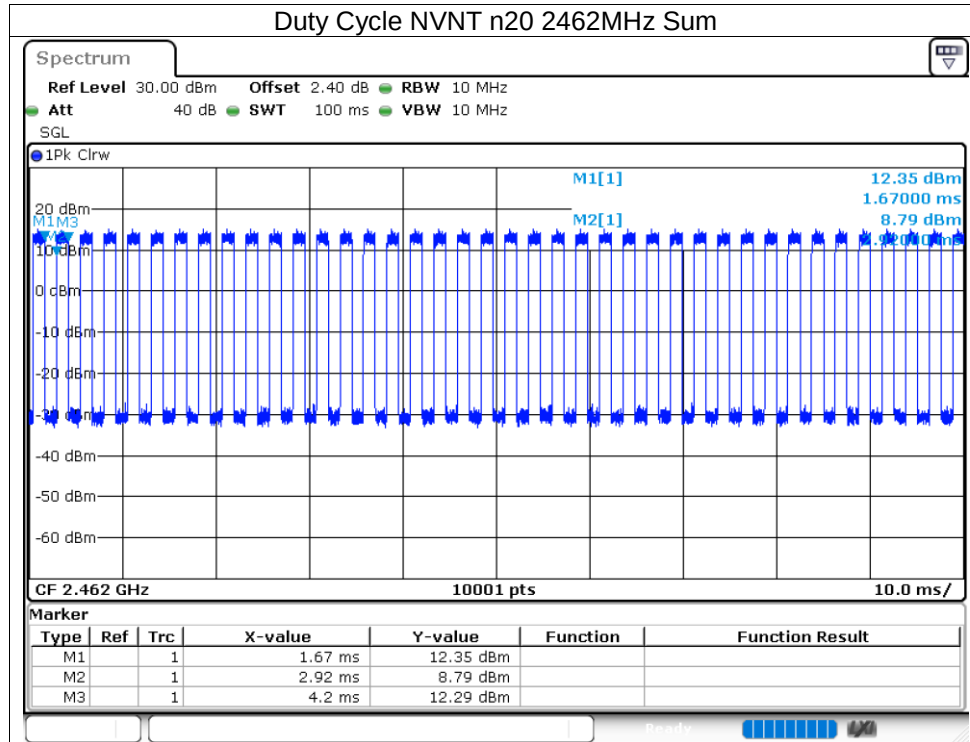
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax20	2412	Sum	48.32	3.16	0.86
NVNT	ax20	2437	Sum	48.32	3.16	0.86
NVNT	ax20	2462	Sum	48.31	3.16	0.85
NVNT	ax40	2422	Sum	33.67	4.73	1.61
NVNT	ax40	2437	Sum	33.27	4.78	1.61
NVNT	ax40	2452	Sum	33.87	4.7	1.61
NVNT	n20	2412	Sum	51.28	2.9	0.78
NVNT	n20	2437	Sum	51.35	2.89	0.78
NVNT	n20	2462	Sum	51.19	2.91	0.78
NVNT	n40	2422	Sum	34.16	4.67	1.59
NVNT	n40	2437	Sum	34.19	4.66	1.56
NVNT	n40	2452	Sum	34.2	4.66	1.59

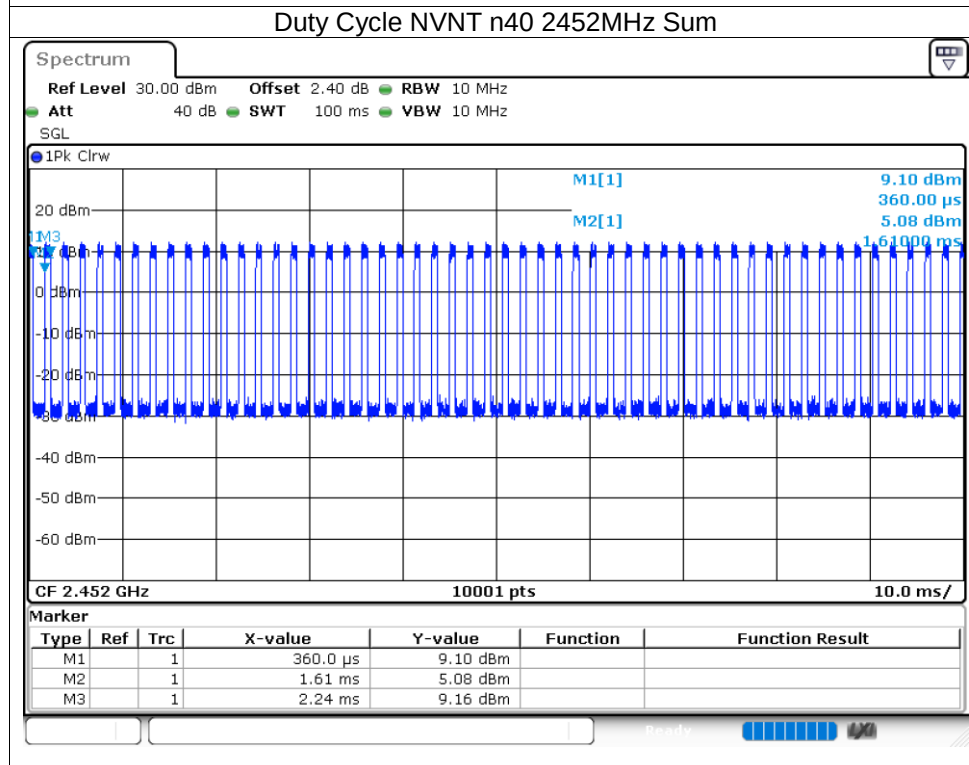
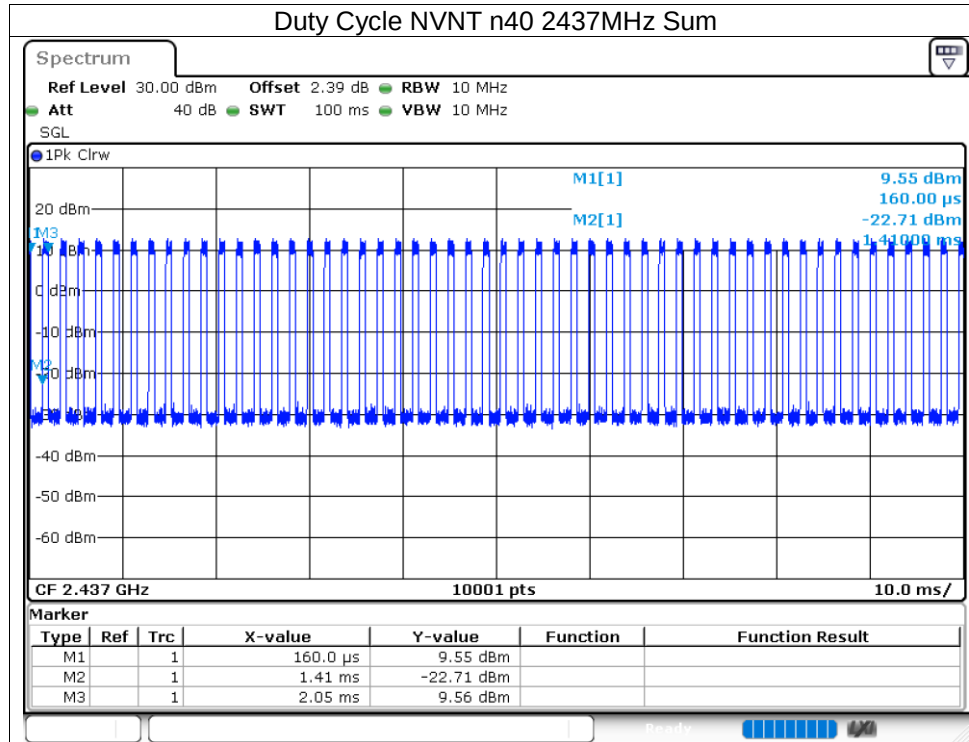












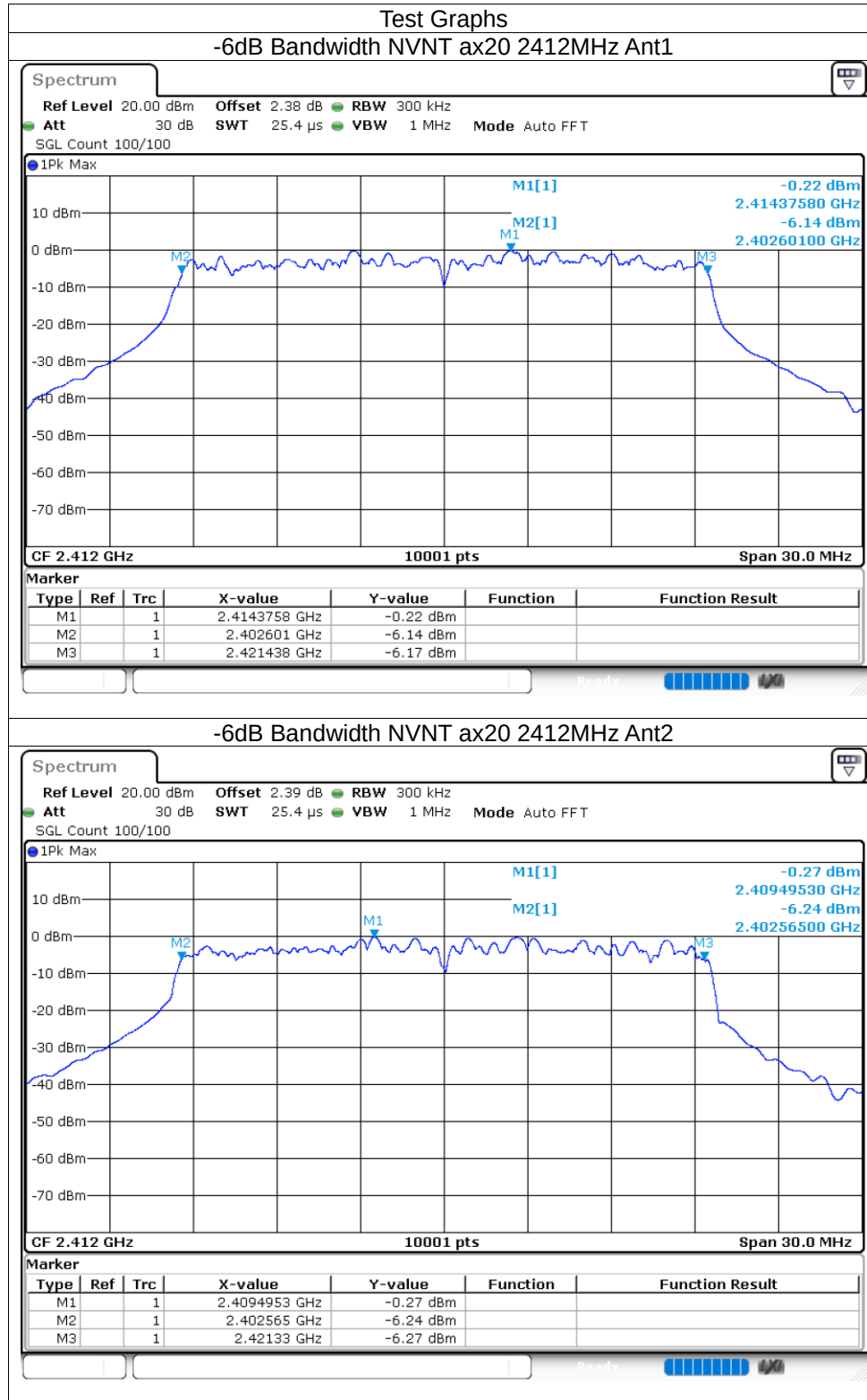
8.2.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	9.53	30	Pass
NVNT	ax20	2412	Ant2	10.7	30	Pass
NVNT	ax20	2412	Sum	13.16	30	Pass
NVNT	ax20	2437	Ant1	9.65	30	Pass
NVNT	ax20	2437	Ant2	11.29	30	Pass
NVNT	ax20	2437	Sum	13.56	30	Pass
NVNT	ax20	2462	Ant1	9.12	30	Pass
NVNT	ax20	2462	Ant2	10.47	30	Pass
NVNT	ax20	2462	Sum	12.86	30	Pass
NVNT	ax40	2422	Ant1	9.5	30	Pass
NVNT	ax40	2422	Ant2	10.6	30	Pass
NVNT	ax40	2422	Sum	13.1	30	Pass
NVNT	ax40	2437	Ant1	9.72	30	Pass
NVNT	ax40	2437	Ant2	11.24	30	Pass
NVNT	ax40	2437	Sum	13.56	30	Pass
NVNT	ax40	2452	Ant1	9.17	30	Pass
NVNT	ax40	2452	Ant2	10.55	30	Pass
NVNT	ax40	2452	Sum	12.92	30	Pass
NVNT	n20	2412	Ant1	9.62	30	Pass
NVNT	n20	2412	Ant2	10.87	30	Pass
NVNT	n20	2412	Sum	13.3	30	Pass
NVNT	n20	2437	Ant1	9.66	30	Pass
NVNT	n20	2437	Ant2	11.18	30	Pass
NVNT	n20	2437	Sum	13.5	30	Pass
NVNT	n20	2462	Ant1	9.09	30	Pass
NVNT	n20	2462	Ant2	10.38	30	Pass
NVNT	n20	2462	Sum	12.79	30	Pass
NVNT	n40	2422	Ant1	9.45	30	Pass
NVNT	n40	2422	Ant2	10.56	30	Pass
NVNT	n40	2422	Sum	13.05	30	Pass
NVNT	n40	2437	Ant1	9.37	30	Pass
NVNT	n40	2437	Ant2	11.05	30	Pass
NVNT	n40	2437	Sum	13.3	30	Pass
NVNT	n40	2452	Ant1	9.25	30	Pass
NVNT	n40	2452	Ant2	10.36	30	Pass
NVNT	n40	2452	Sum	12.85	30	Pass

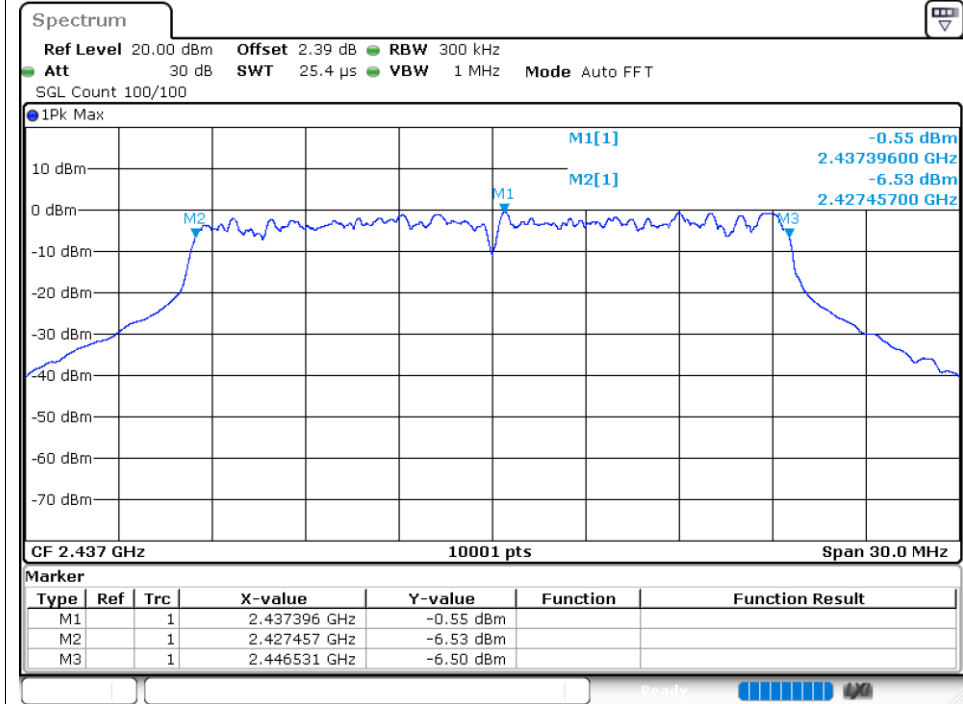
Note: The Duty Cycle factor has already been included.

8.2.3 -6dB Bandwidth

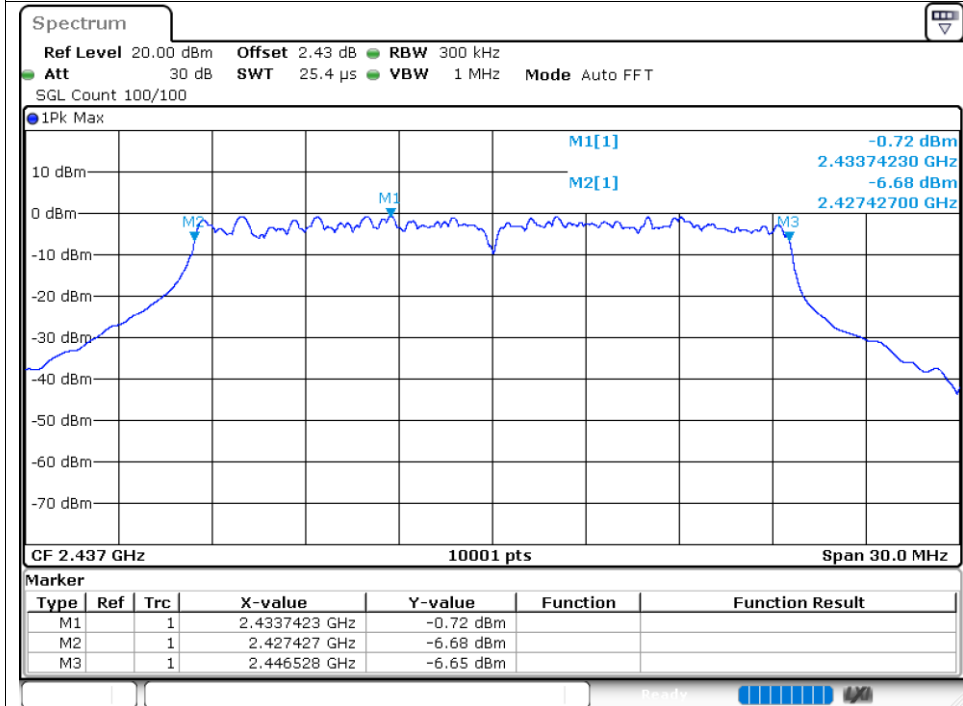
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax20	2412	Ant1	18.837	0.5	Pass
NVNT	ax20	2412	Ant2	18.765	0.5	Pass
NVNT	ax20	2437	Ant1	19.074	0.5	Pass
NVNT	ax20	2437	Ant2	19.101	0.5	Pass
NVNT	ax20	2462	Ant1	18.93	0.5	Pass
NVNT	ax20	2462	Ant2	19.077	0.5	Pass
NVNT	ax40	2422	Ant1	36.39	0.5	Pass
NVNT	ax40	2422	Ant2	37.986	0.5	Pass
NVNT	ax40	2437	Ant1	36.264	0.5	Pass
NVNT	ax40	2437	Ant2	37.962	0.5	Pass
NVNT	ax40	2452	Ant1	36.378	0.5	Pass
NVNT	ax40	2452	Ant2	38.022	0.5	Pass
NVNT	n20	2412	Ant1	17.7	0.5	Pass
NVNT	n20	2412	Ant2	17.55	0.5	Pass
NVNT	n20	2437	Ant1	17.625	0.5	Pass
NVNT	n20	2437	Ant2	17.7	0.5	Pass
NVNT	n20	2462	Ant1	17.718	0.5	Pass
NVNT	n20	2462	Ant2	17.559	0.5	Pass
NVNT	n40	2422	Ant1	36.066	0.5	Pass
NVNT	n40	2422	Ant2	36.726	0.5	Pass
NVNT	n40	2437	Ant1	36.282	0.5	Pass
NVNT	n40	2437	Ant2	36.906	0.5	Pass
NVNT	n40	2452	Ant1	36.228	0.5	Pass
NVNT	n40	2452	Ant2	36.99	0.5	Pass



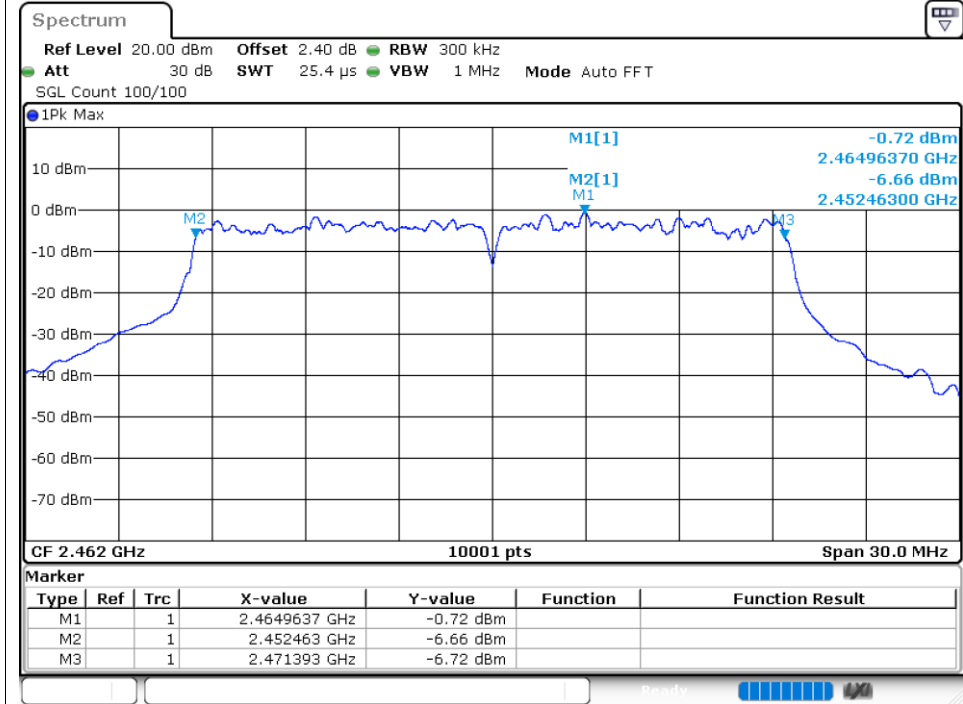
-6dB Bandwidth NVNT ax20 2437MHz Ant1



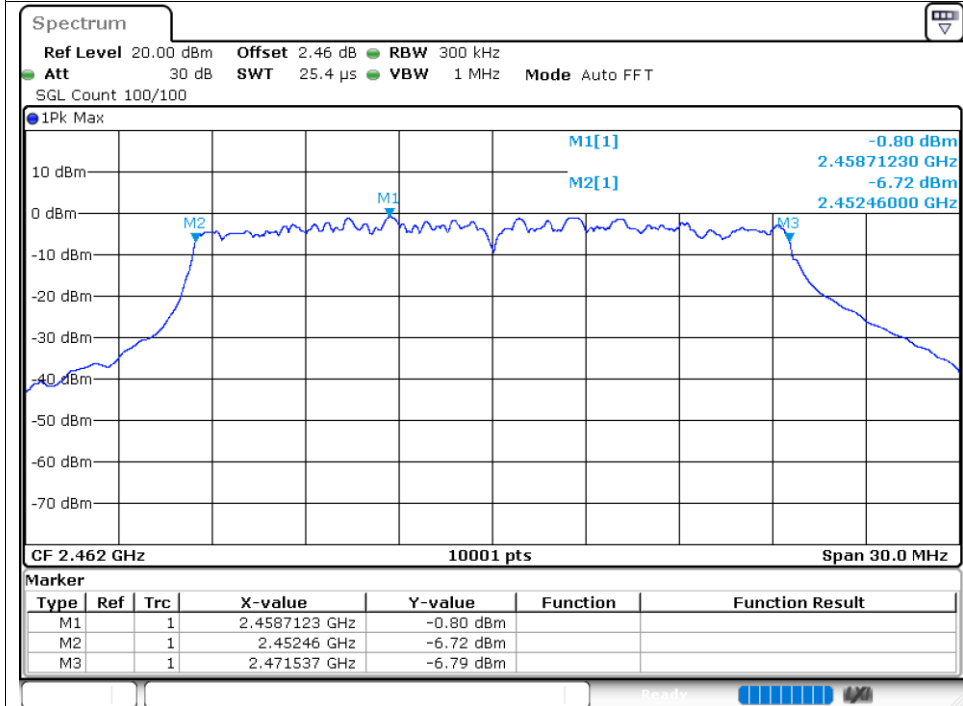
-6dB Bandwidth NVNT ax20 2437MHz Ant2



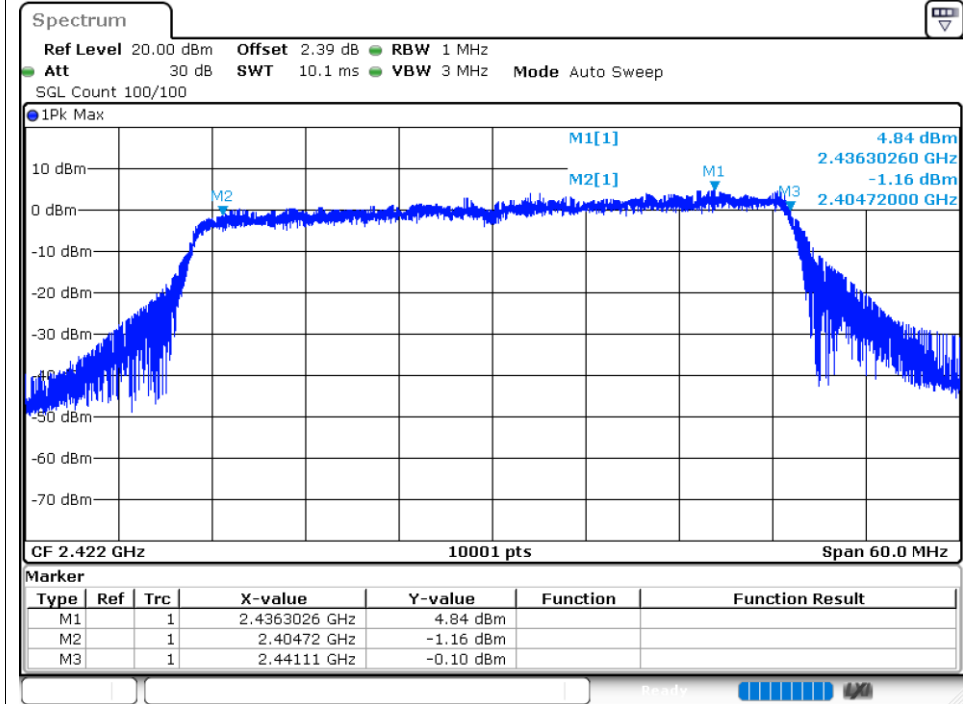
-6dB Bandwidth NVNT ax20 2462MHz Ant1



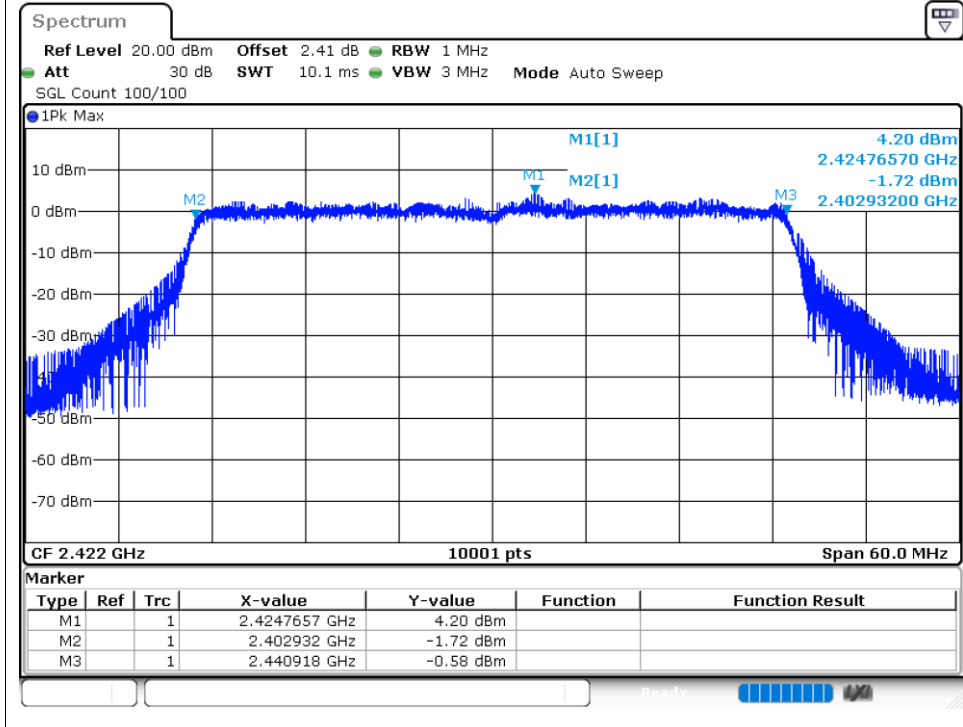
-6dB Bandwidth NVNT ax20 2462MHz Ant2



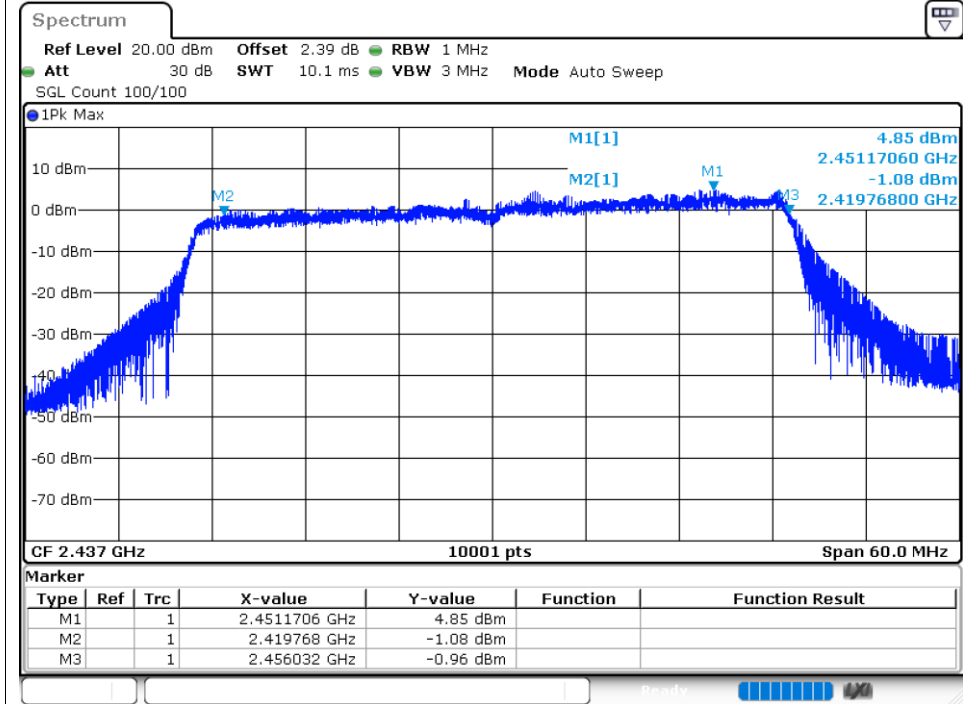
-6dB Bandwidth NVNT ax40 2422MHz Ant1



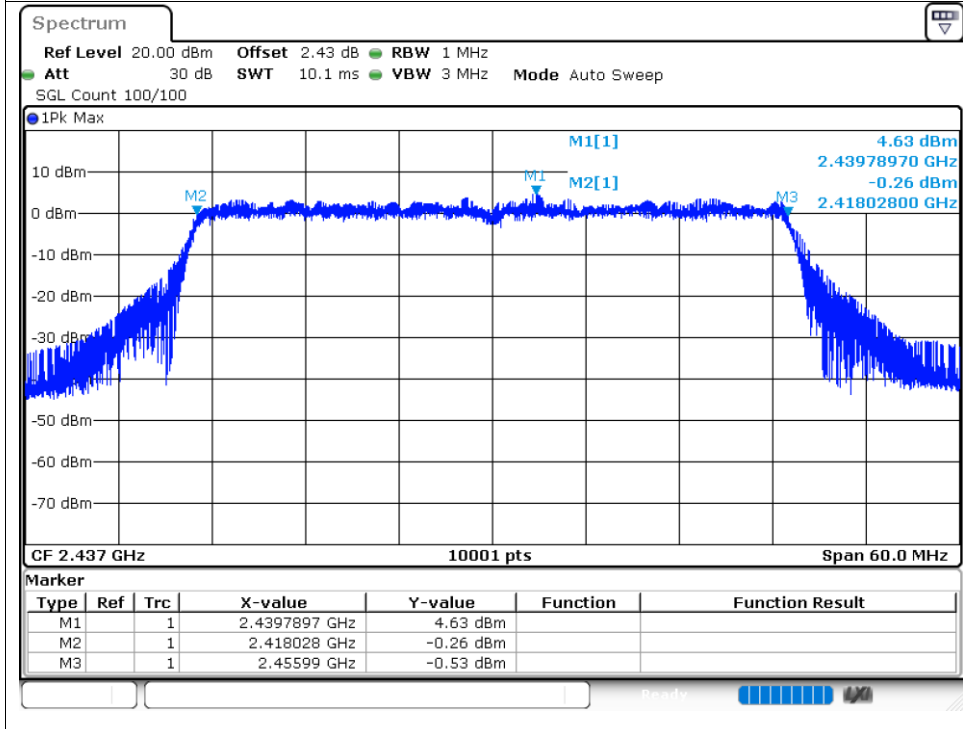
-6dB Bandwidth NVNT ax40 2422MHz Ant2



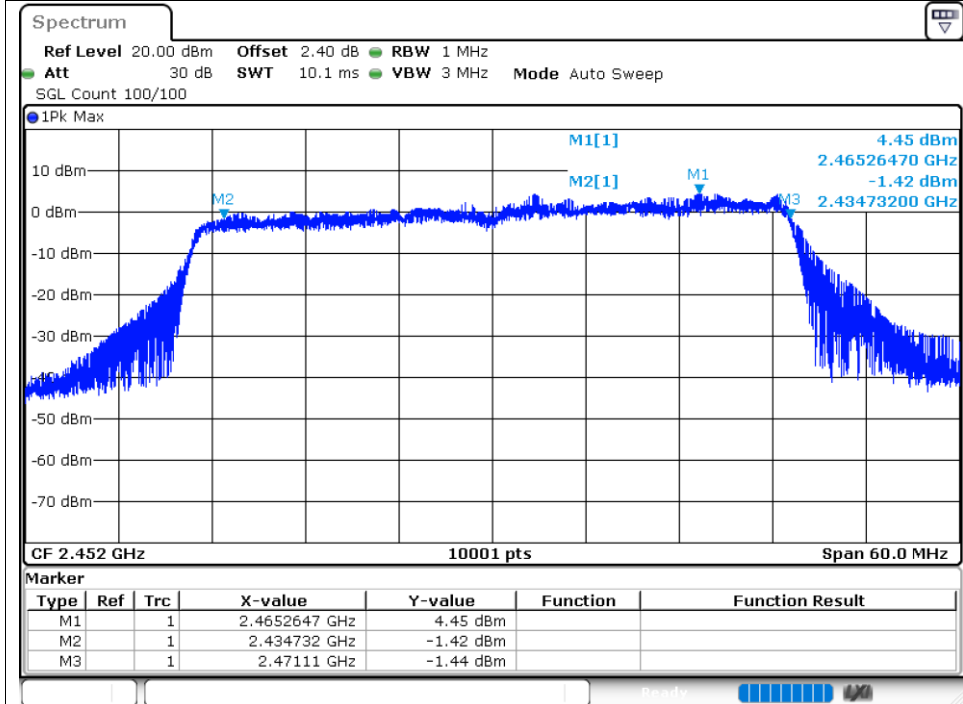
-6dB Bandwidth NVNT ax40 2437MHz Ant1



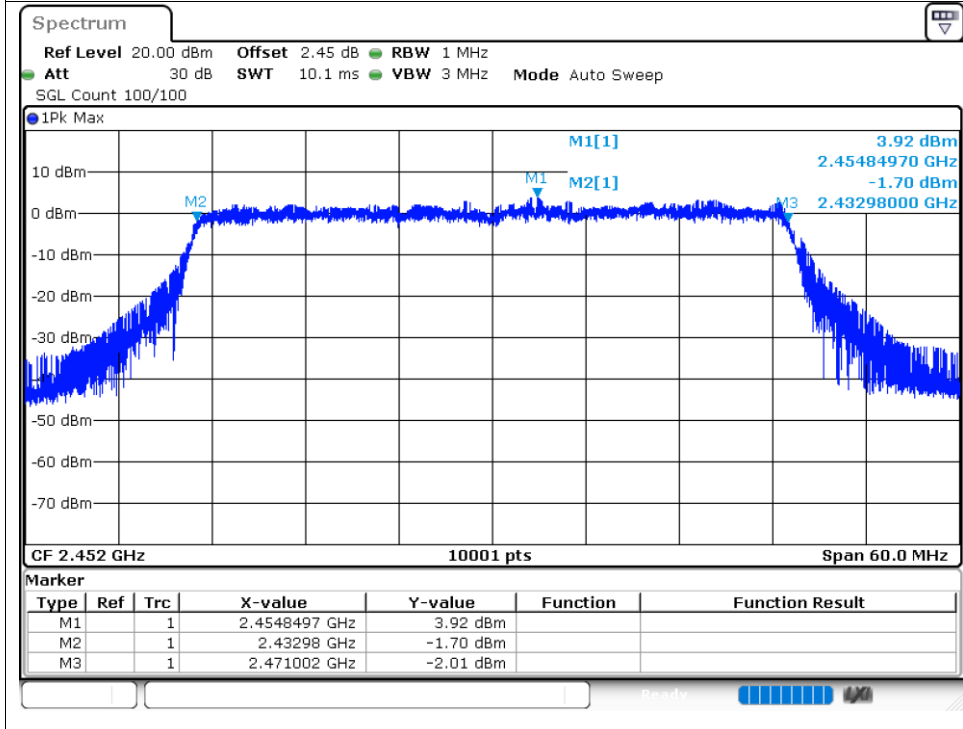
-6dB Bandwidth NVNT ax40 2437MHz Ant2

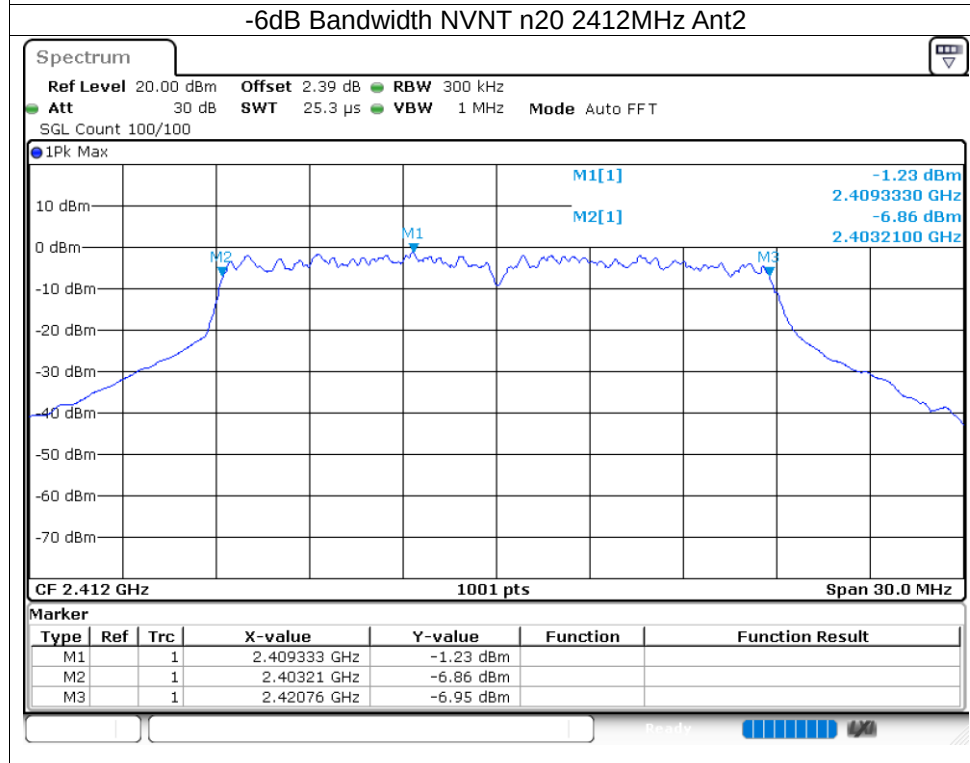
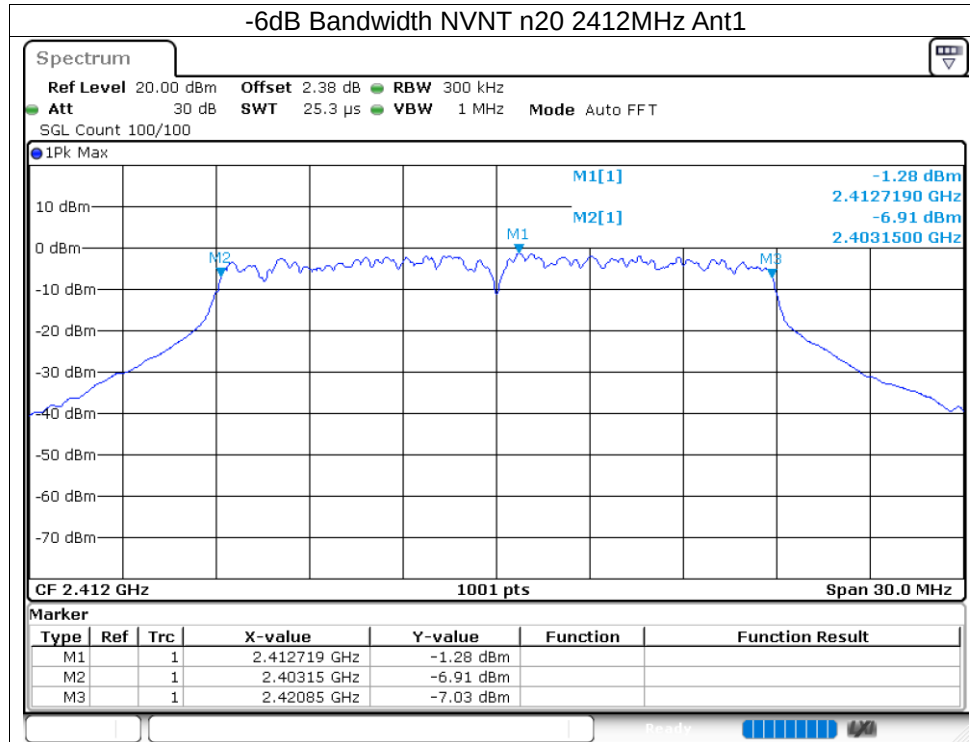


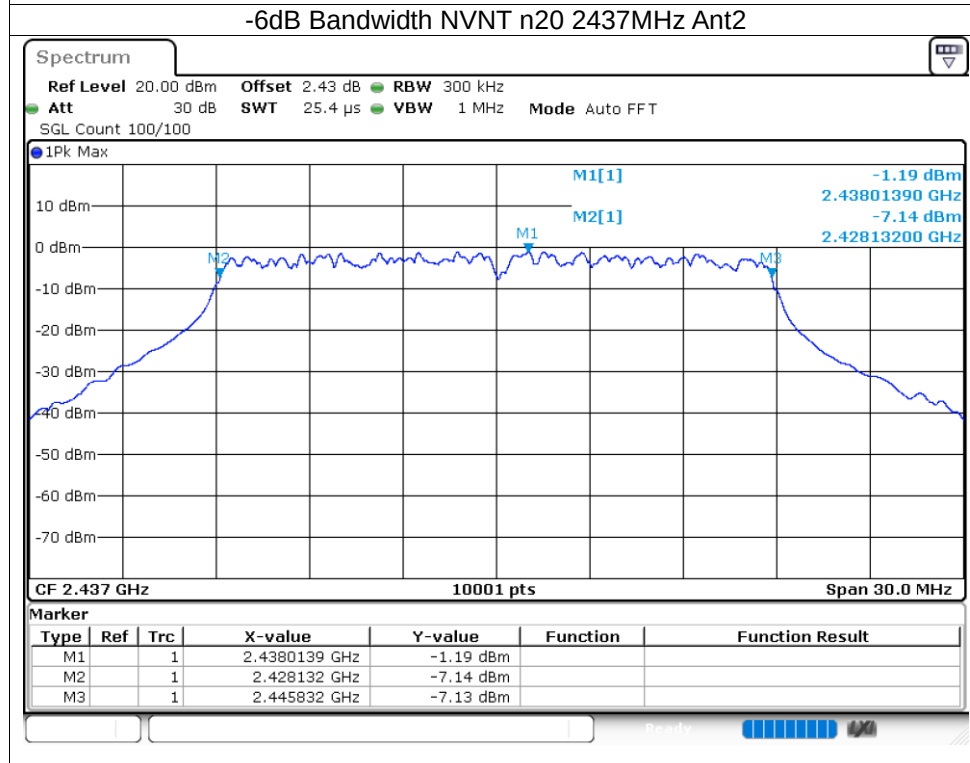
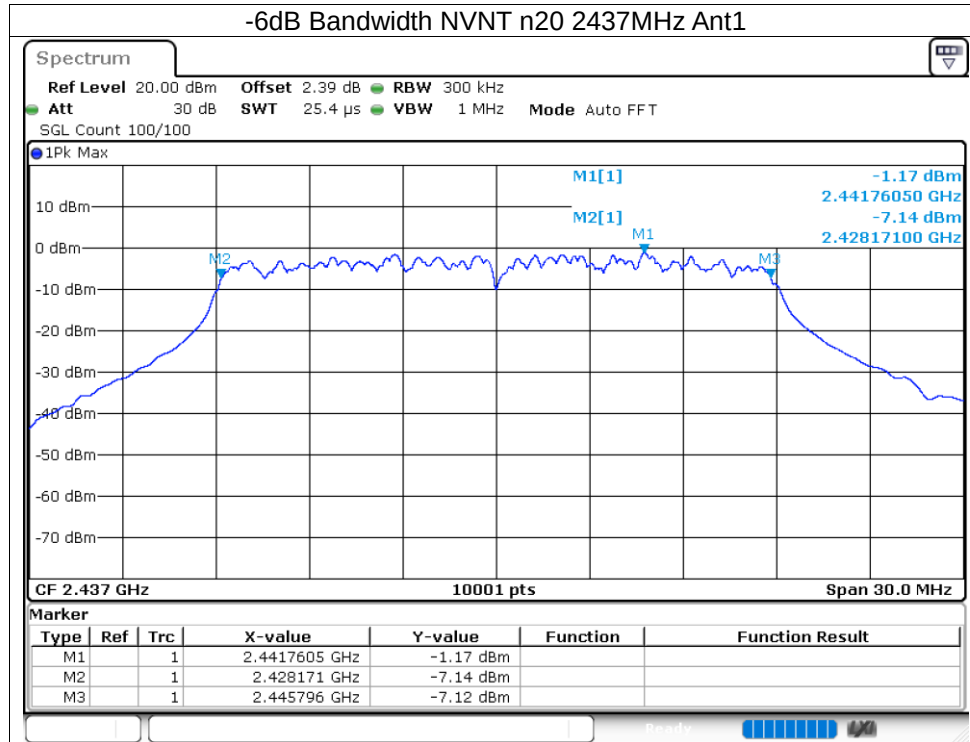
-6dB Bandwidth NVNT ax40 2452MHz Ant1

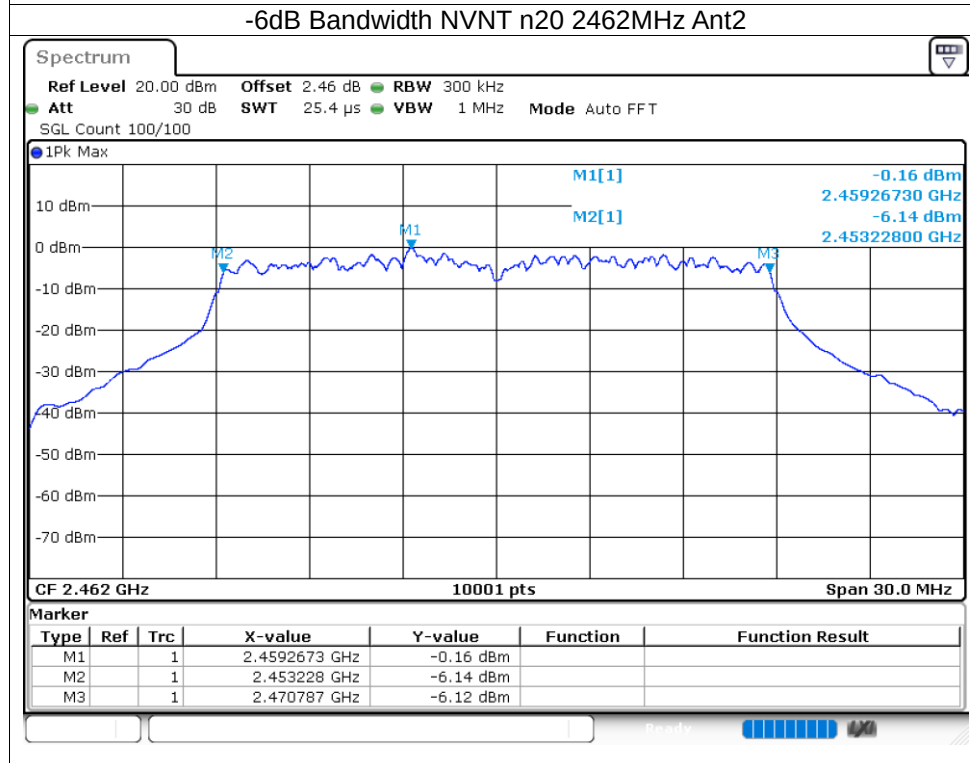
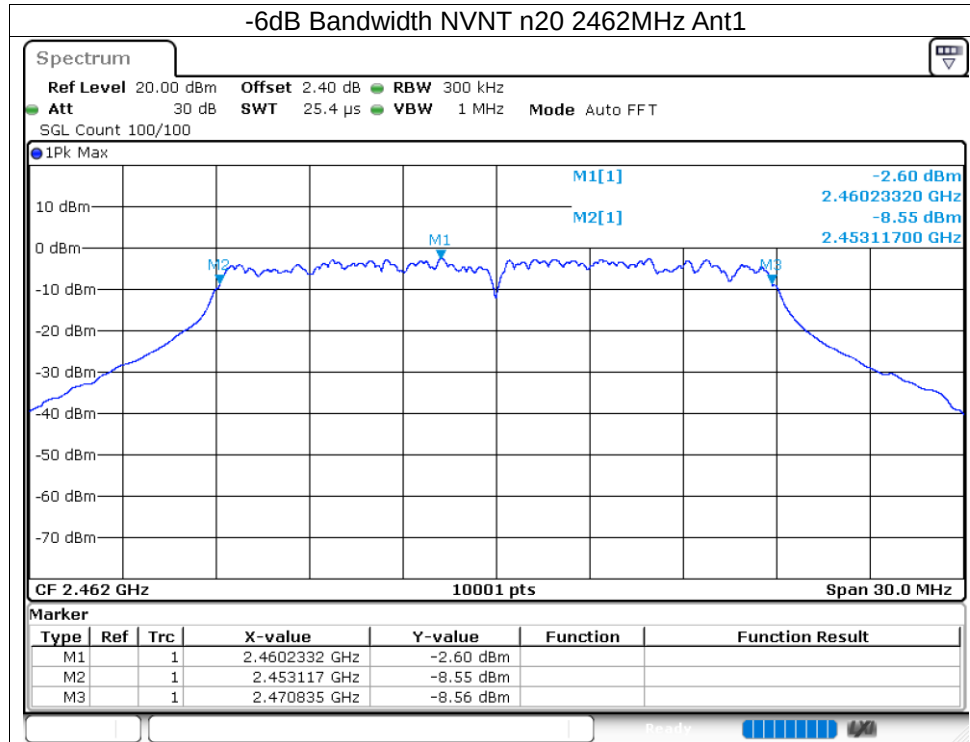


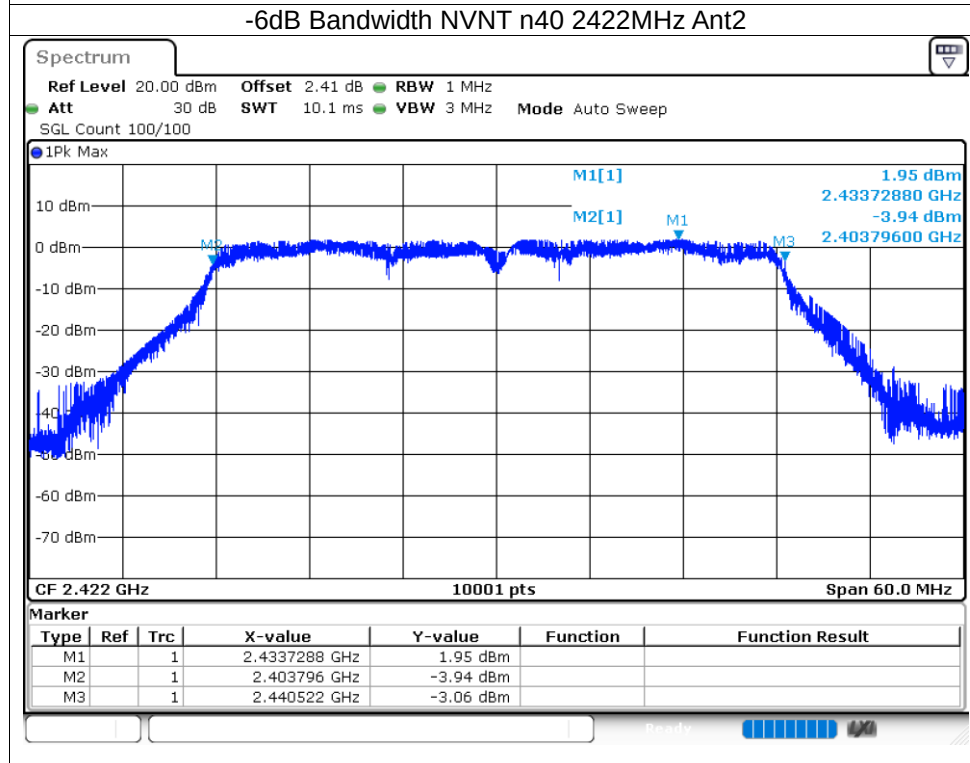
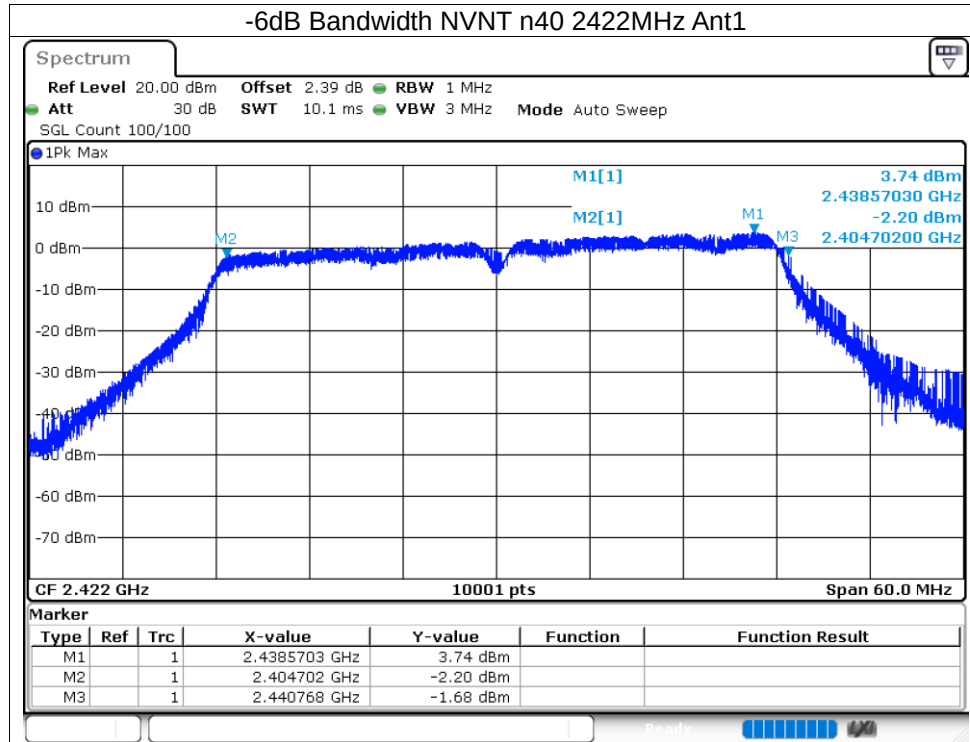
-6dB Bandwidth NVNT ax40 2452MHz Ant2

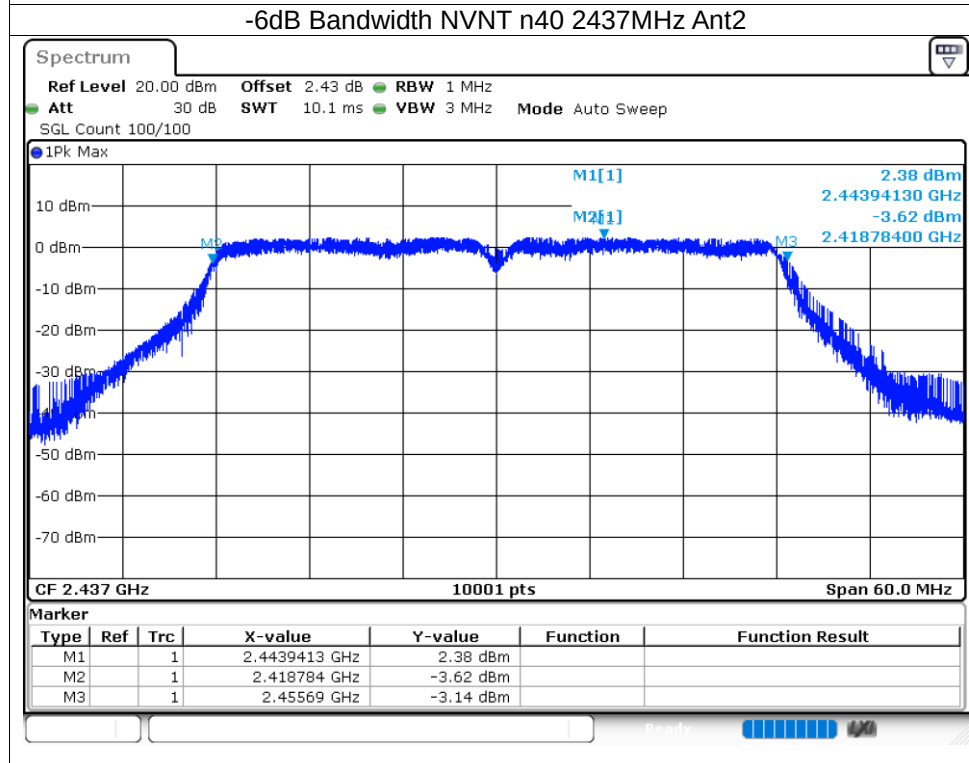
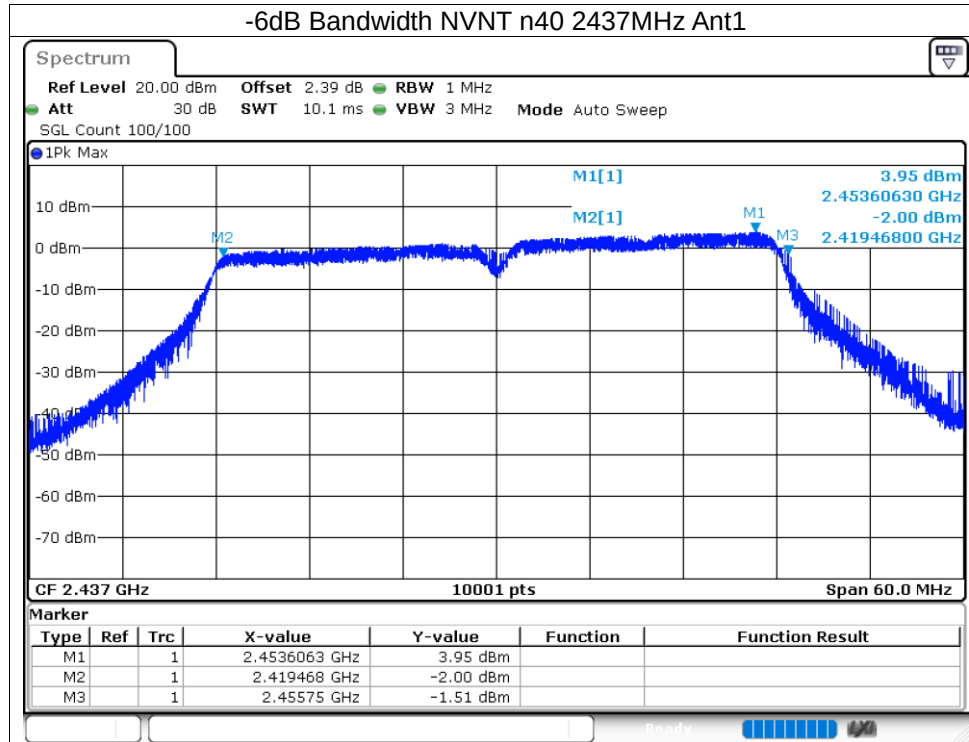


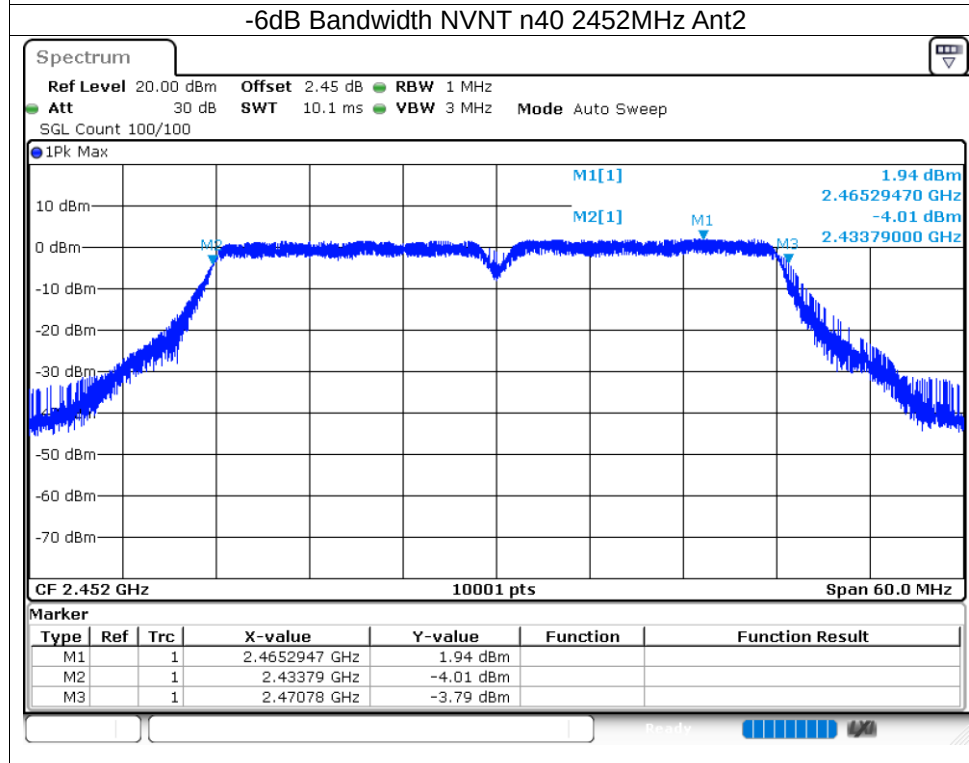
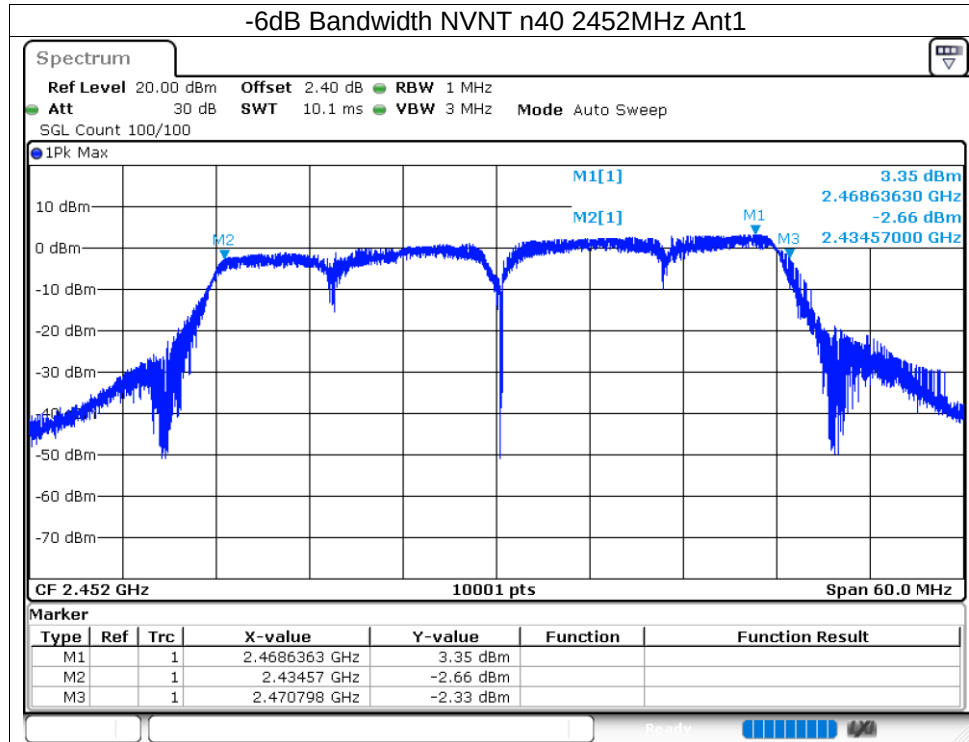






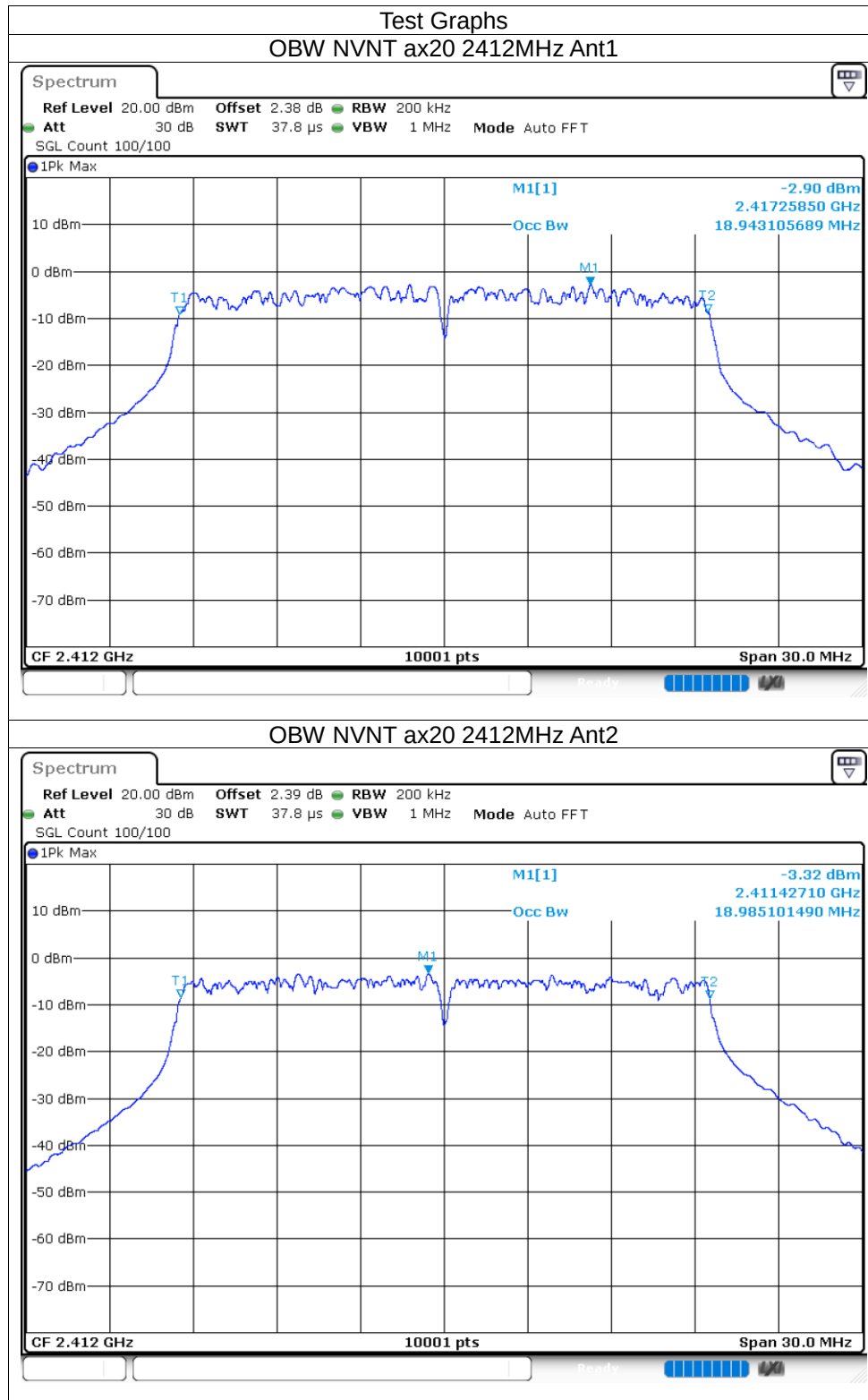


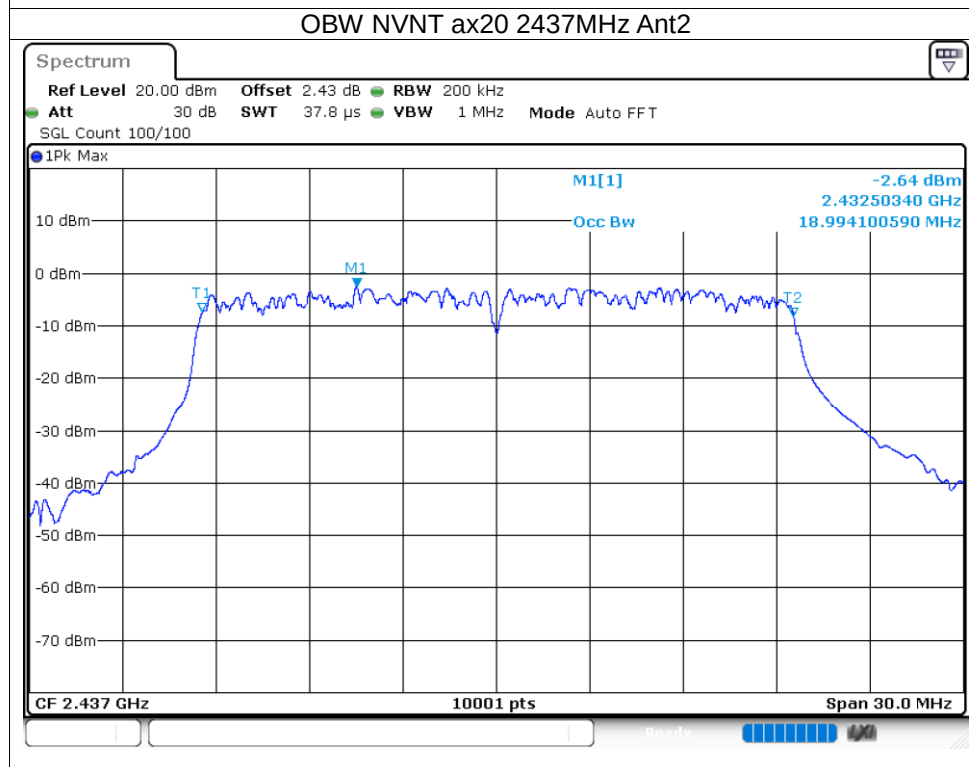
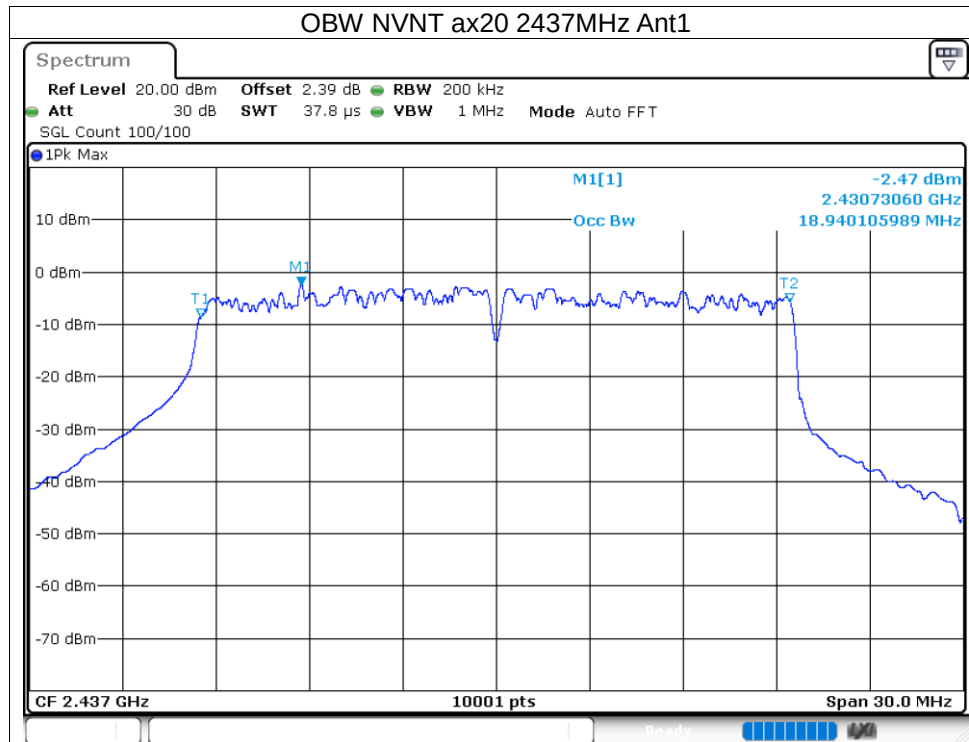


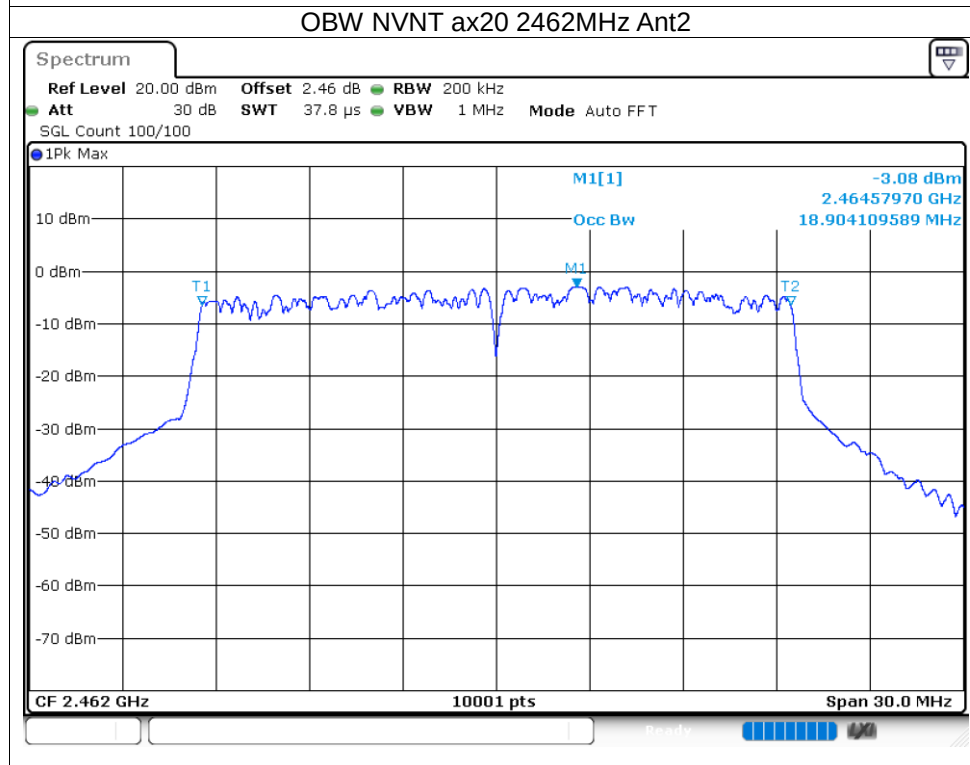
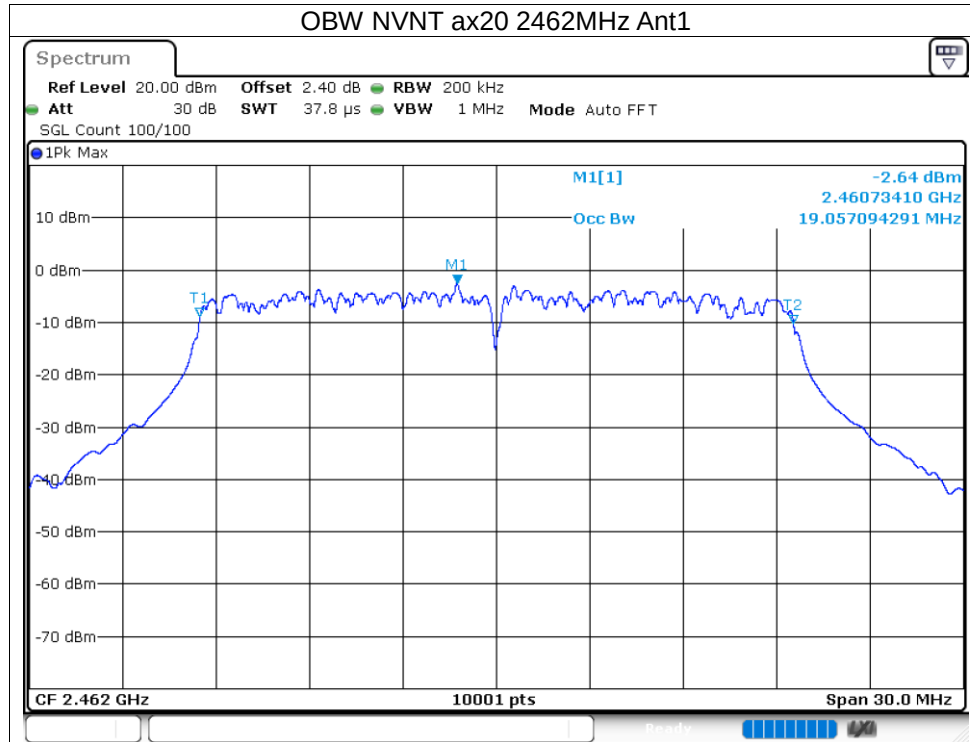


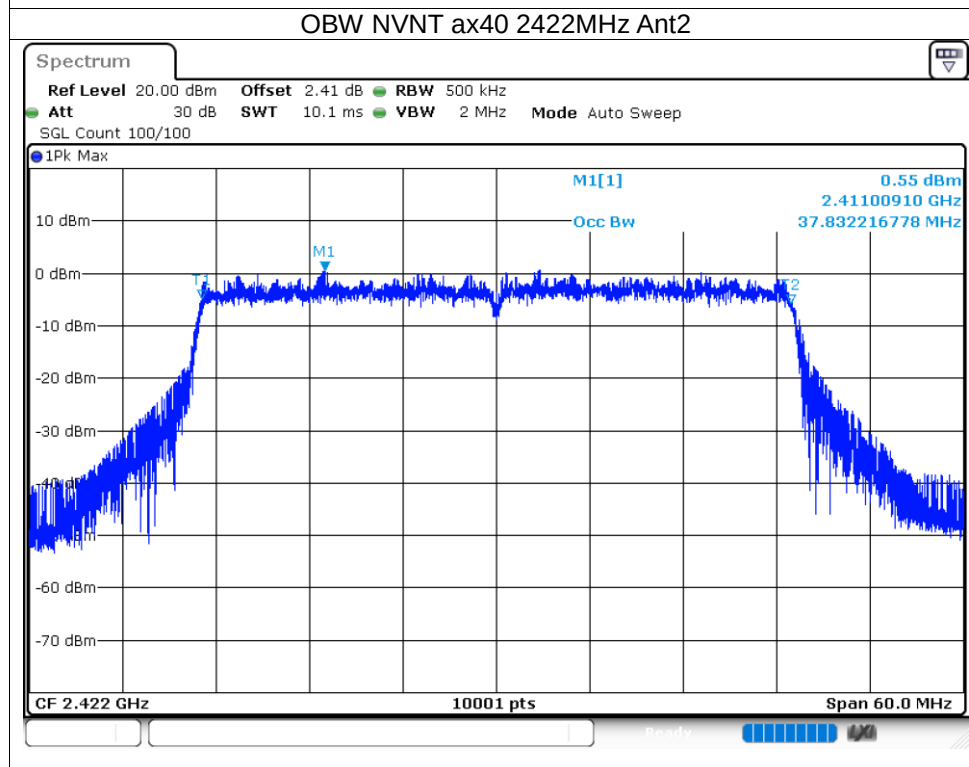
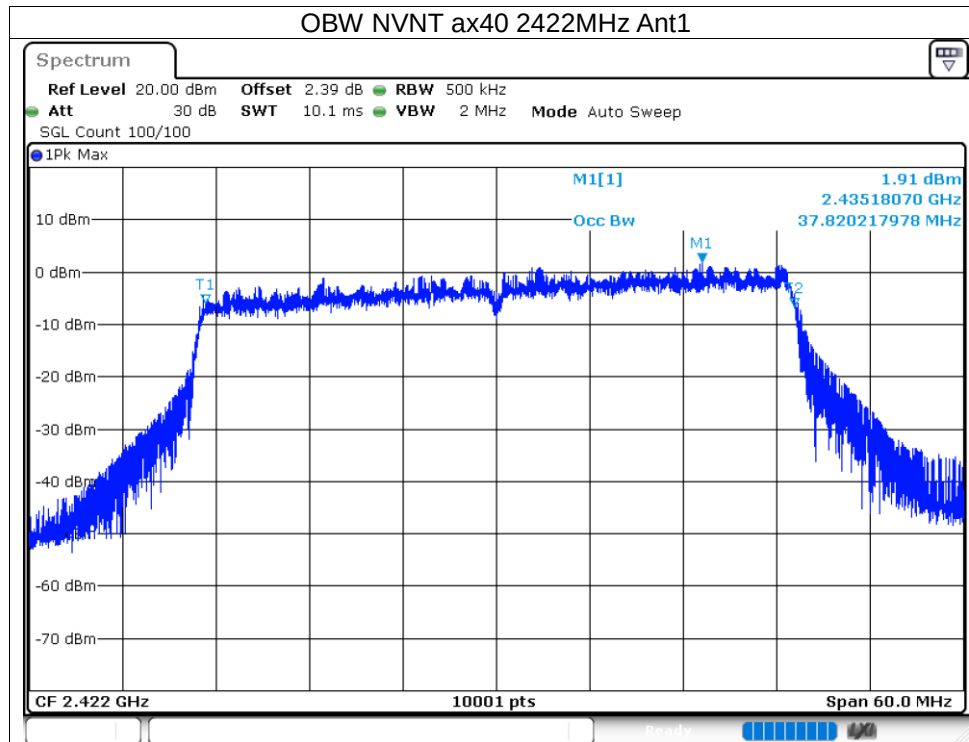
8.2.4 Occupied Channel Bandwidth

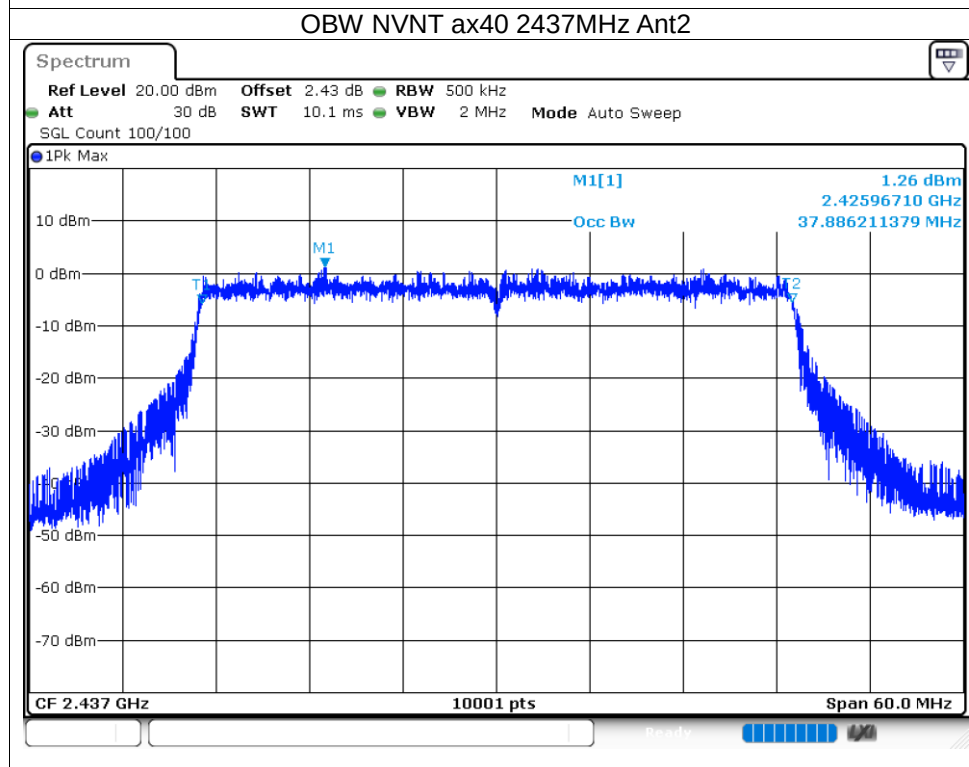
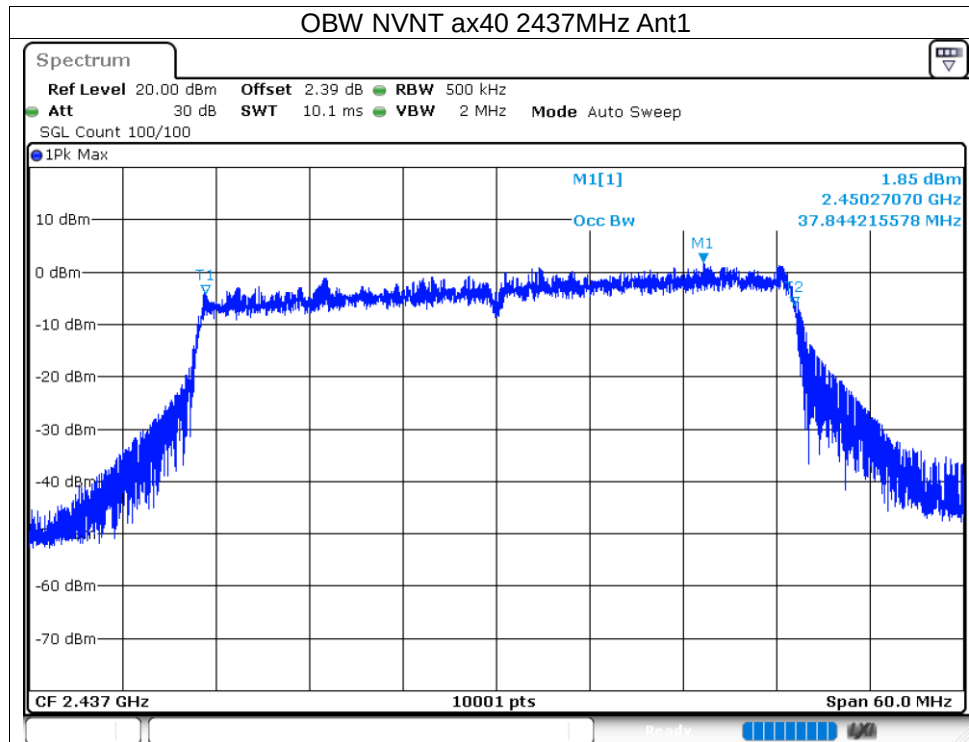
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	2412	Ant1	18.943
NVNT	ax20	2412	Ant2	18.985
NVNT	ax20	2437	Ant1	18.94
NVNT	ax20	2437	Ant2	18.994
NVNT	ax20	2462	Ant1	19.057
NVNT	ax20	2462	Ant2	18.904
NVNT	ax40	2422	Ant1	37.82
NVNT	ax40	2422	Ant2	37.832
NVNT	ax40	2437	Ant1	37.844
NVNT	ax40	2437	Ant2	37.886
NVNT	ax40	2452	Ant1	37.814
NVNT	ax40	2452	Ant2	37.868
NVNT	n20	2412	Ant1	17.758
NVNT	n20	2412	Ant2	17.773
NVNT	n20	2437	Ant1	17.674
NVNT	n20	2437	Ant2	17.728
NVNT	n20	2462	Ant1	17.734
NVNT	n20	2462	Ant2	17.701
NVNT	n40	2422	Ant1	36.446
NVNT	n40	2422	Ant2	36.452
NVNT	n40	2437	Ant1	36.476
NVNT	n40	2437	Ant2	36.458
NVNT	n40	2452	Ant1	36.452
NVNT	n40	2452	Ant2	36.494

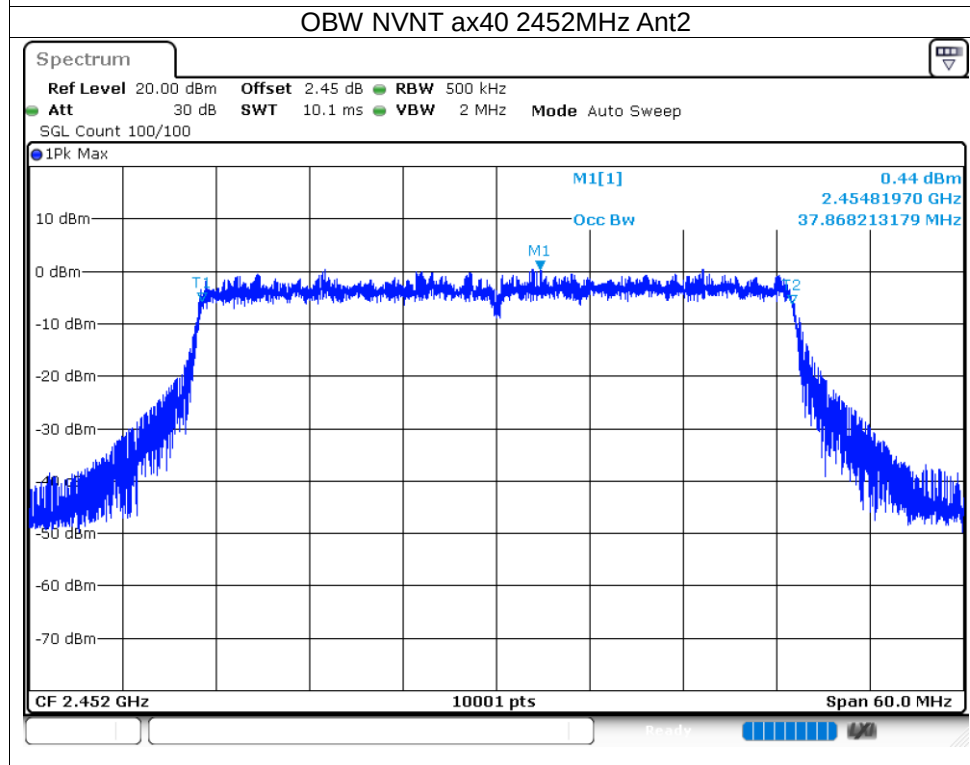
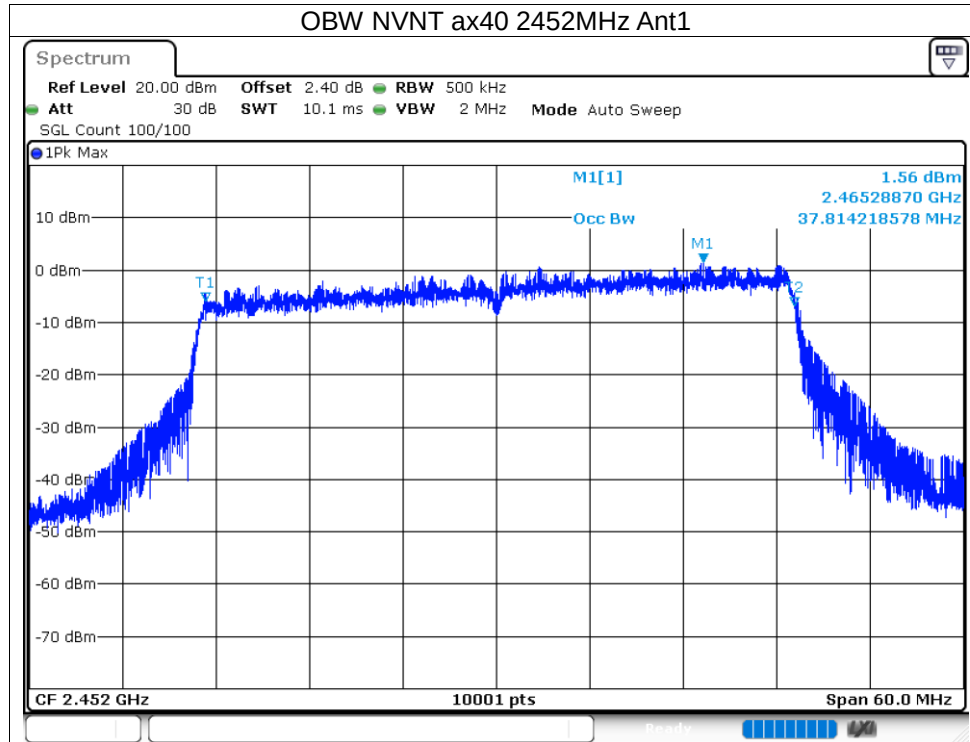


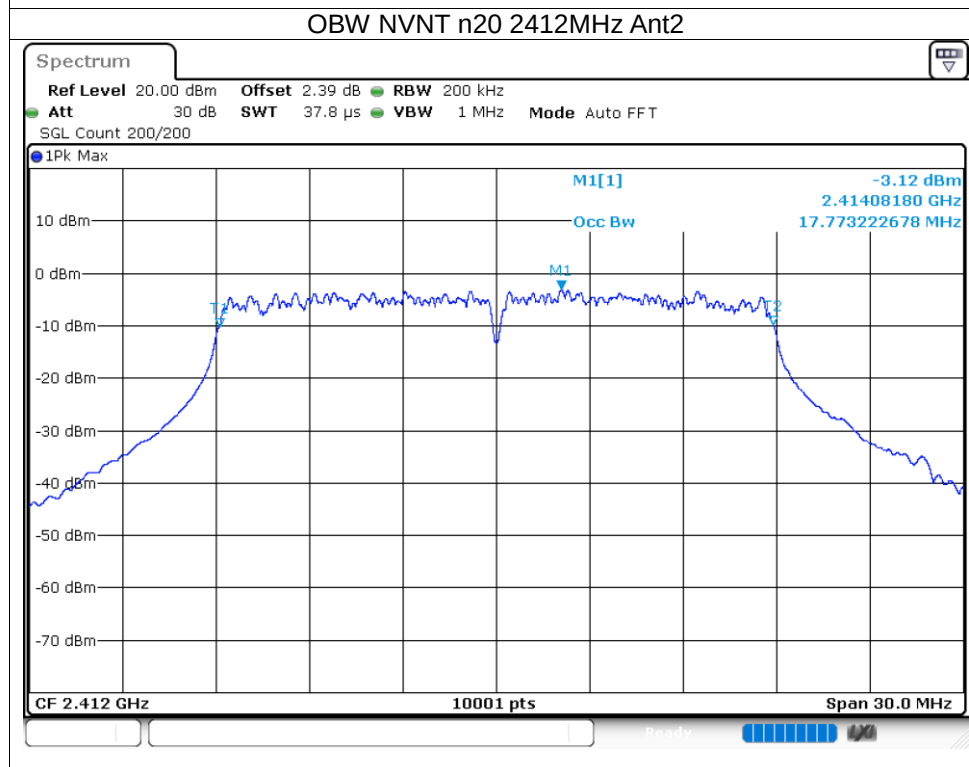
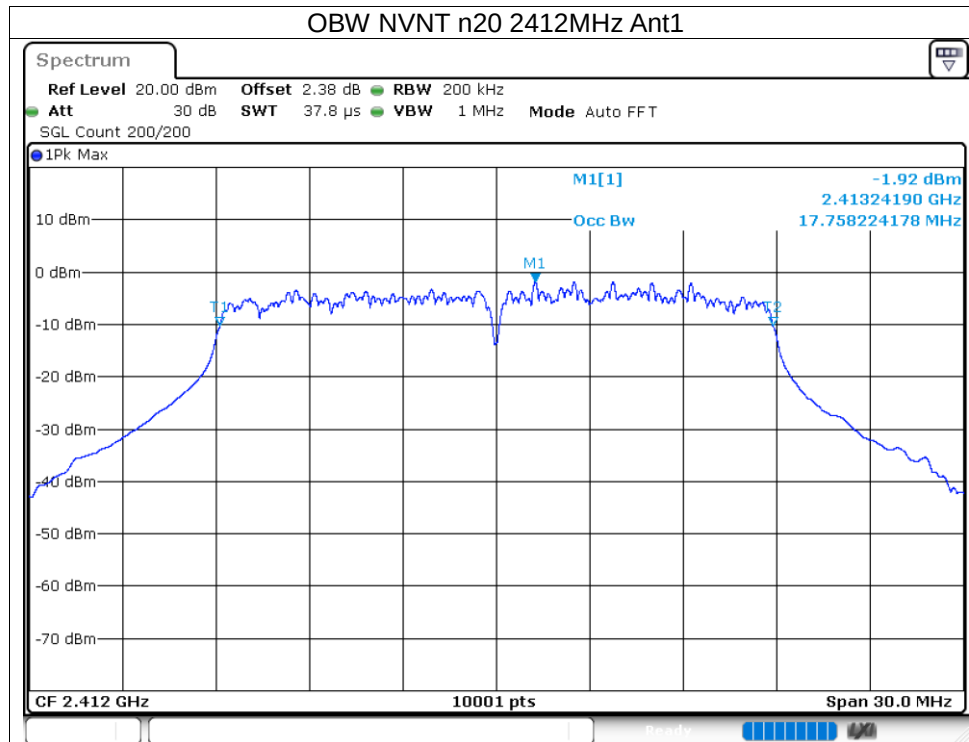


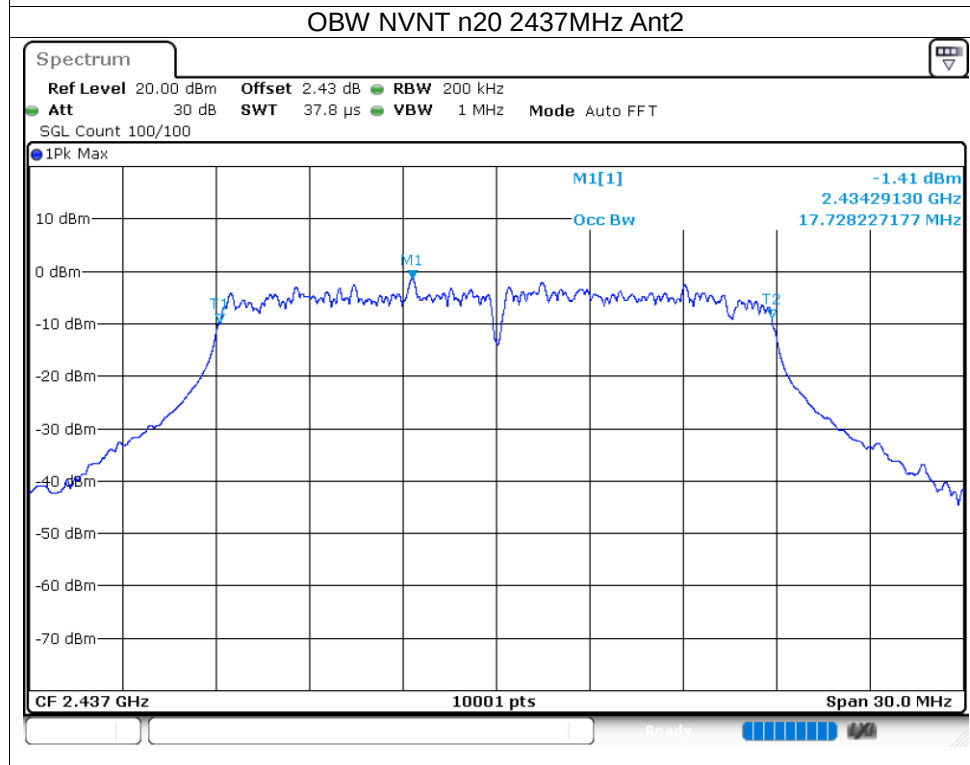
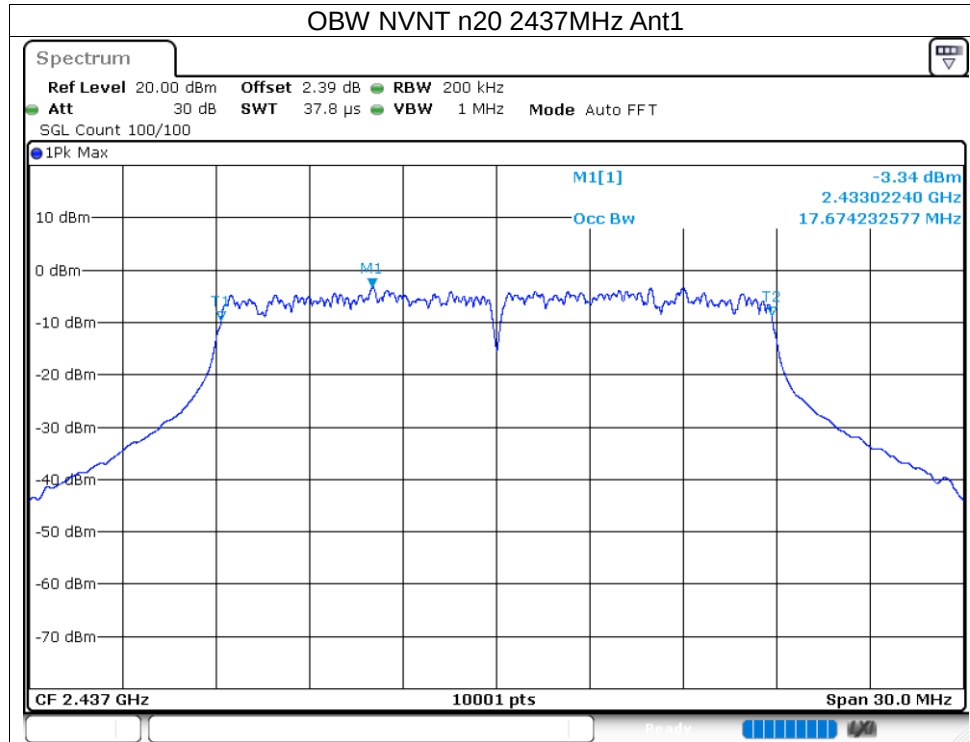




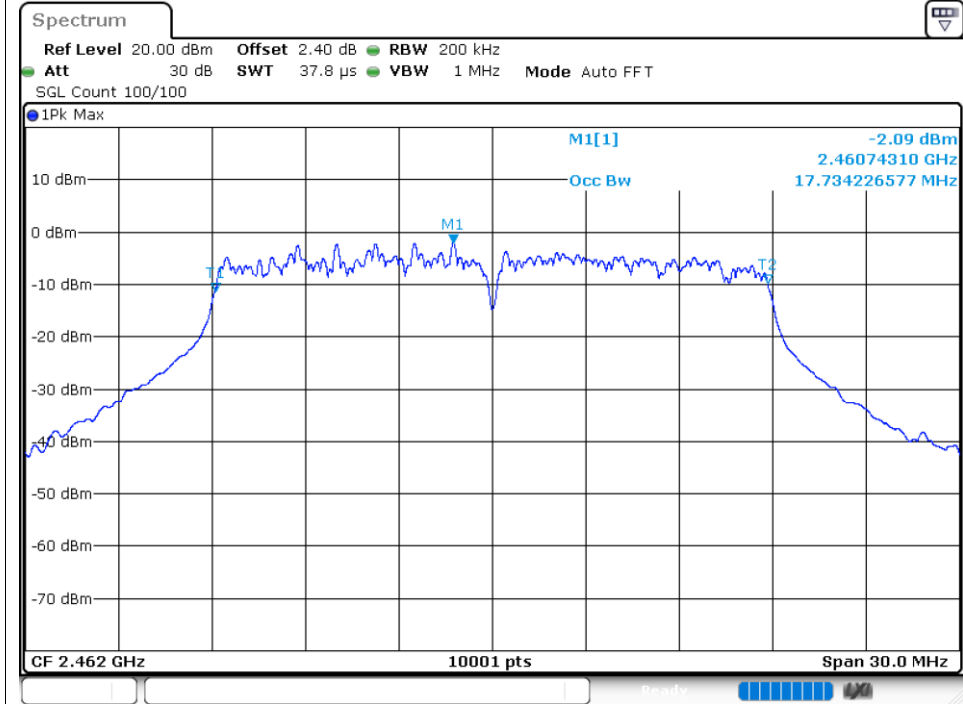




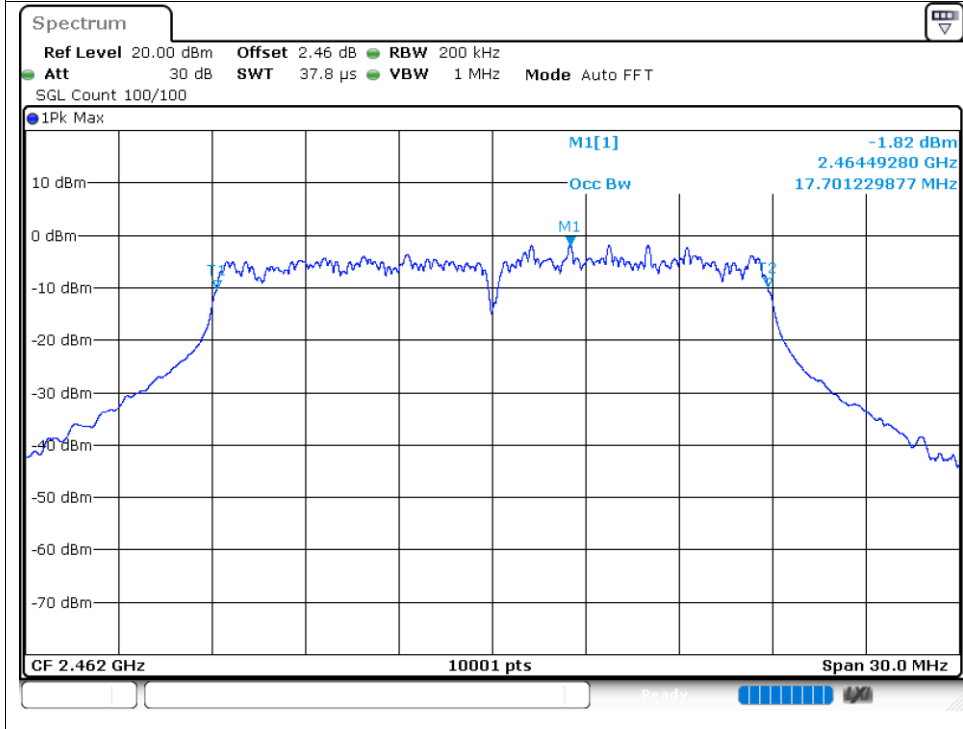


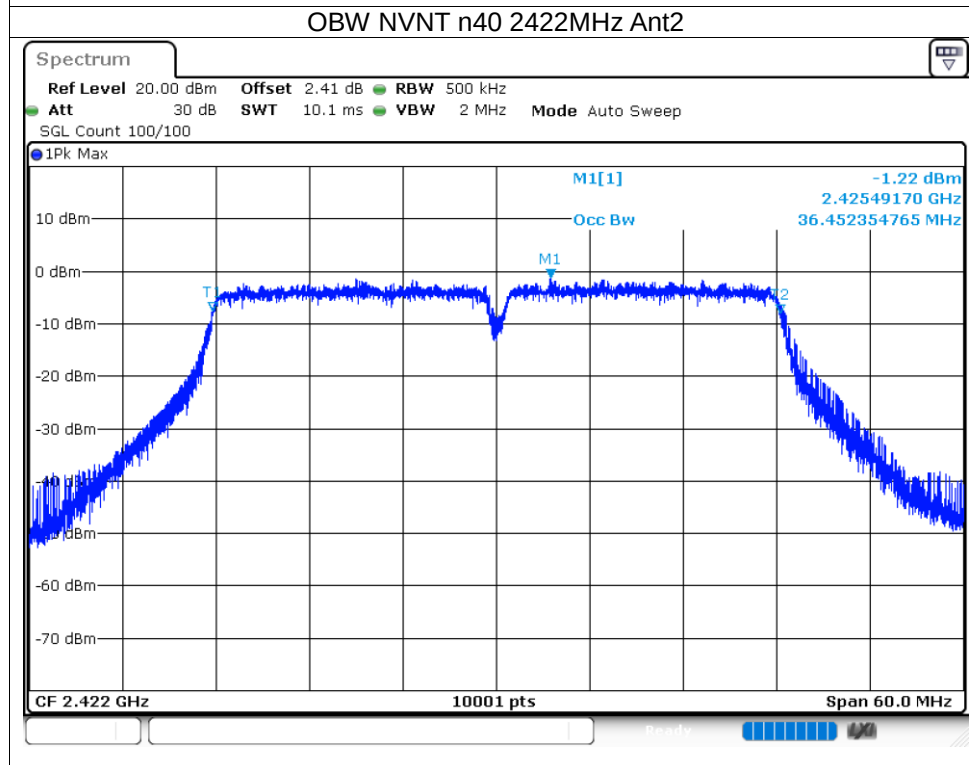
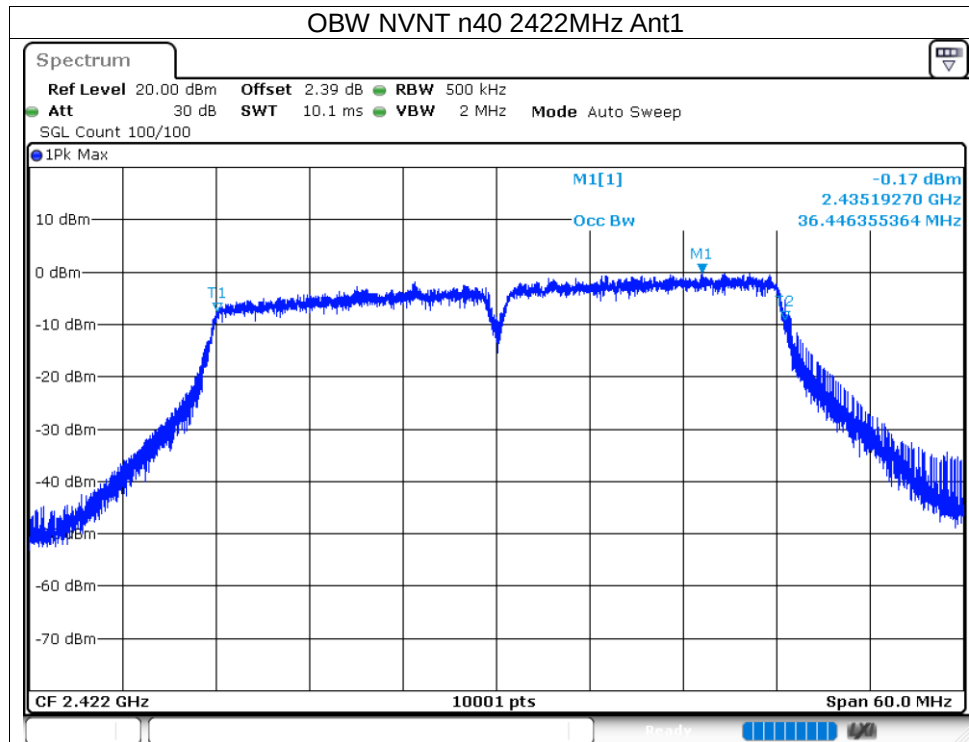


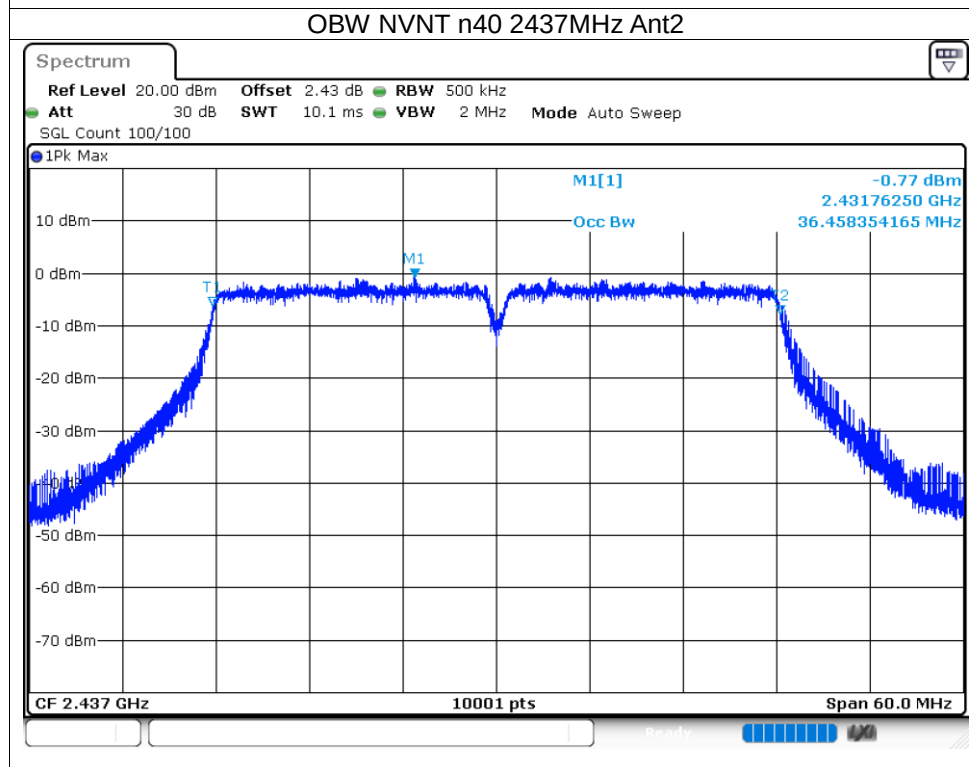
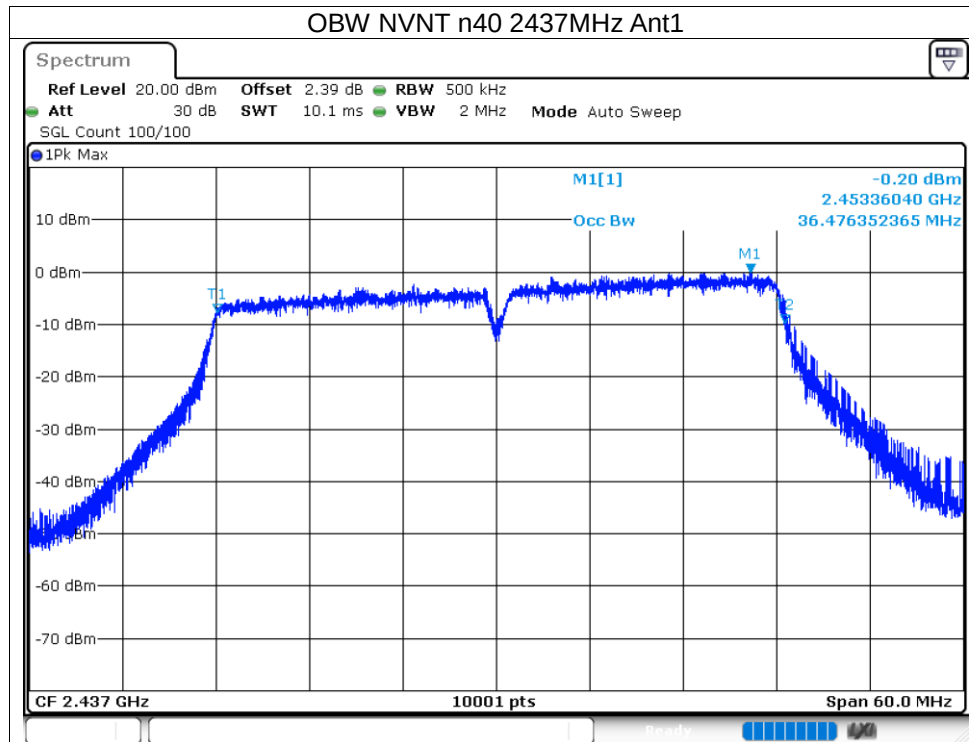
OBW NVNT n20 2462MHz Ant1

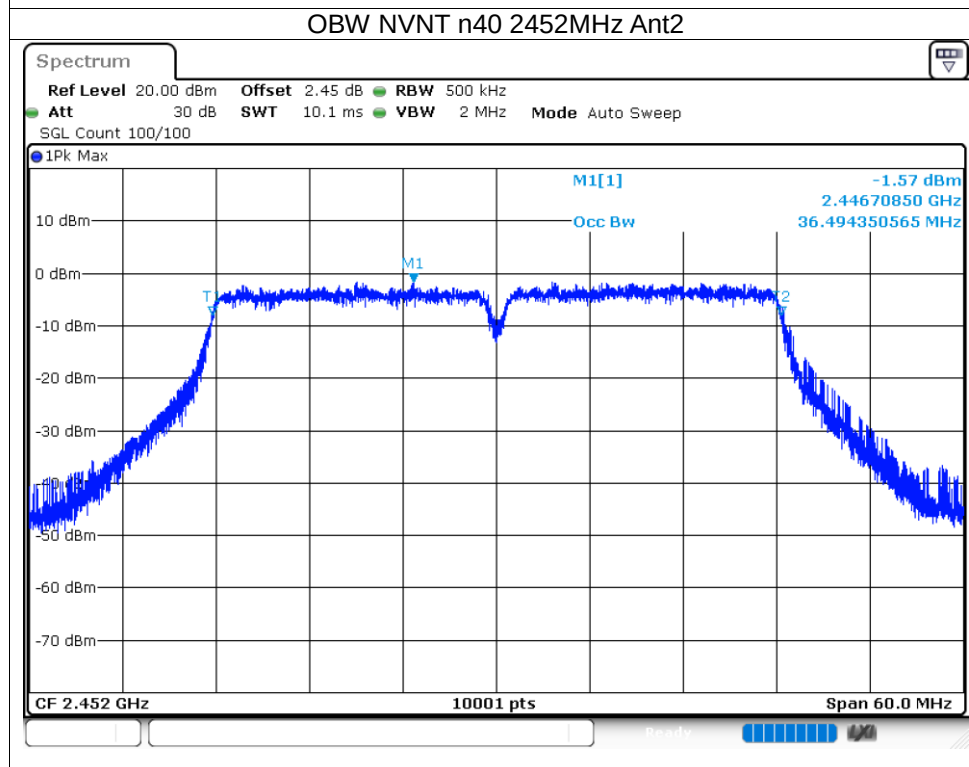
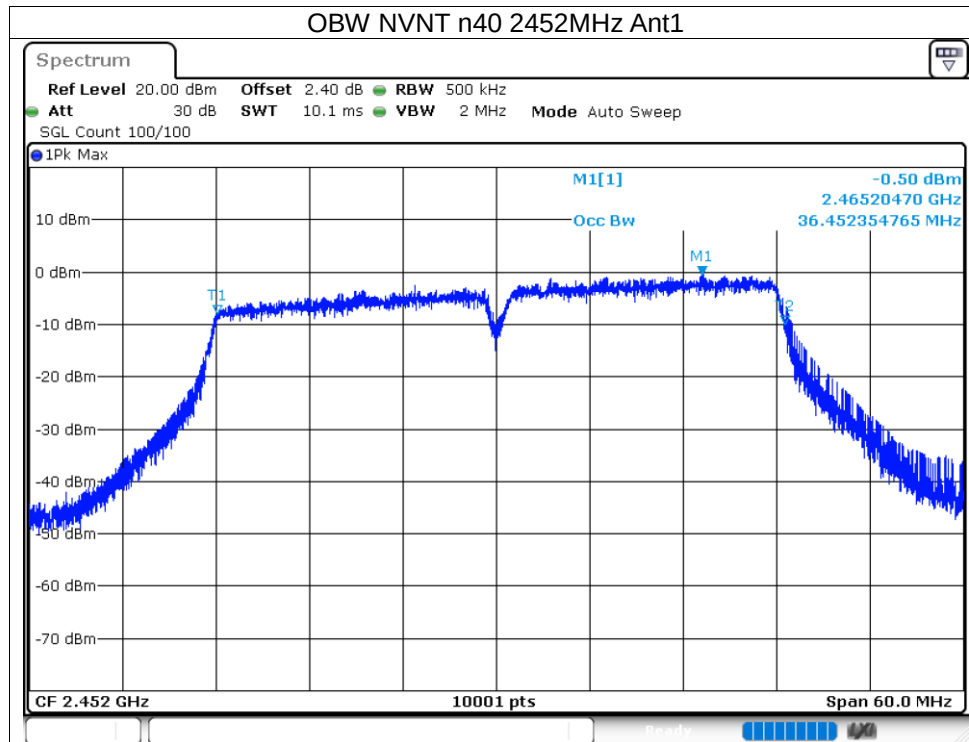


OBW NVNT n20 2462MHz Ant2









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	-29.07	3.16	-25.91	8	Pass
NVNT	ax20	2412	Ant2	-28.08	3.16	-24.92	8	Pass
NVNT	ax20	2412	Sum	-25.54	3.16	-22.38	8	Pass
NVNT	ax20	2437	Ant1	-29.2	3.16	-26.04	8	Pass
NVNT	ax20	2437	Ant2	-28.05	3.16	-24.89	8	Pass
NVNT	ax20	2437	Sum	-25.58	3.16	-22.42	8	Pass
NVNT	ax20	2462	Ant1	-28.84	3.16	-25.68	8	Pass
NVNT	ax20	2462	Ant2	-29.48	3.16	-26.32	8	Pass
NVNT	ax20	2462	Sum	-26.14	3.16	-22.98	8	Pass
NVNT	ax40	2422	Ant1	-47.89	4.73	-43.16	8	Pass
NVNT	ax40	2422	Ant2	-48.22	4.73	-43.49	8	Pass
NVNT	ax40	2422	Sum	-45.04	4.73	-40.31	8	Pass
NVNT	ax40	2437	Ant1	-46.6	4.78	-41.82	8	Pass
NVNT	ax40	2437	Ant2	-47.71	4.78	-42.93	8	Pass
NVNT	ax40	2437	Sum	-44.11	4.78	-39.33	8	Pass
NVNT	ax40	2452	Ant1	-48	4.7	-43.3	8	Pass
NVNT	ax40	2452	Ant2	-47.92	4.7	-43.22	8	Pass
NVNT	ax40	2452	Sum	-44.95	4.7	-40.25	8	Pass
NVNT	n20	2412	Ant1	-26.12	2.9	-23.22	8	Pass
NVNT	n20	2412	Ant2	-26.25	2.9	-23.35	8	Pass
NVNT	n20	2412	Sum	-23.17	2.9	-20.27	8	Pass
NVNT	n20	2437	Ant1	-26.06	2.89	-23.17	8	Pass
NVNT	n20	2437	Ant2	-25.07	2.89	-22.18	8	Pass
NVNT	n20	2437	Sum	-22.53	2.89	-19.64	8	Pass
NVNT	n20	2462	Ant1	-26.89	2.91	-23.98	8	Pass
NVNT	n20	2462	Ant2	-25.35	2.91	-22.44	8	Pass
NVNT	n20	2462	Sum	-23.04	2.91	-20.13	8	Pass
NVNT	n40	2422	Ant1	-46.88	4.67	-42.21	8	Pass
NVNT	n40	2422	Ant2	-47.36	4.67	-42.69	8	Pass
NVNT	n40	2422	Sum	-44.1	4.67	-39.43	8	Pass
NVNT	n40	2437	Ant1	-47.09	4.66	-42.43	8	Pass
NVNT	n40	2437	Ant2	-46.77	4.66	-42.11	8	Pass
NVNT	n40	2437	Sum	-43.92	4.66	-39.26	8	Pass
NVNT	n40	2452	Ant1	-46.38	4.66	-41.72	8	Pass
NVNT	n40	2452	Ant2	-46.76	4.66	-42.1	8	Pass
NVNT	n40	2452	Sum	-43.56	4.66	-38.9	8	Pass

