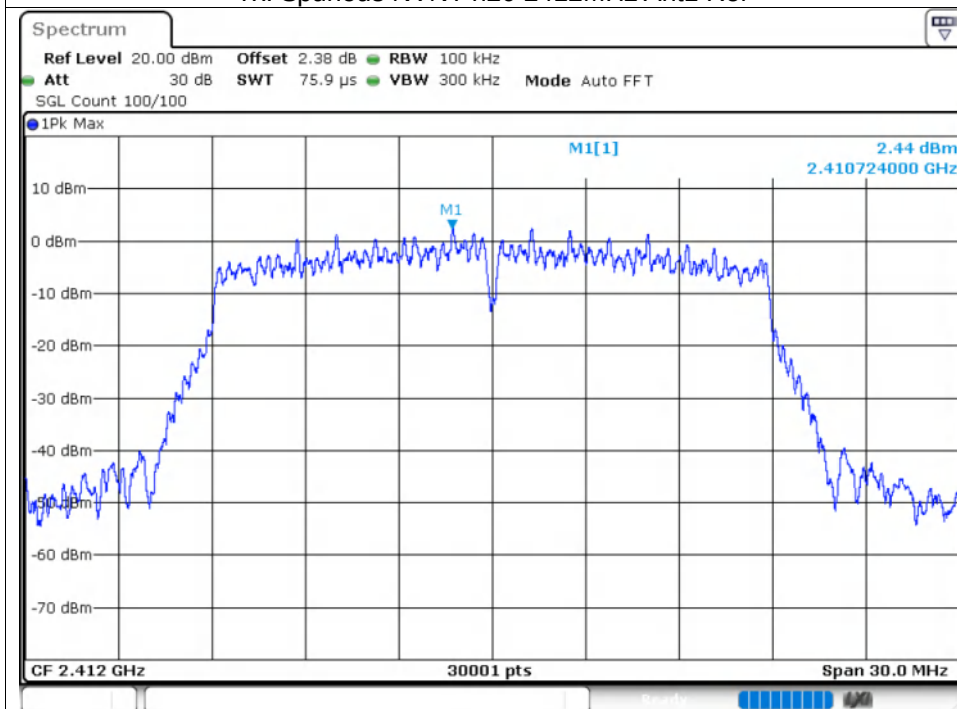
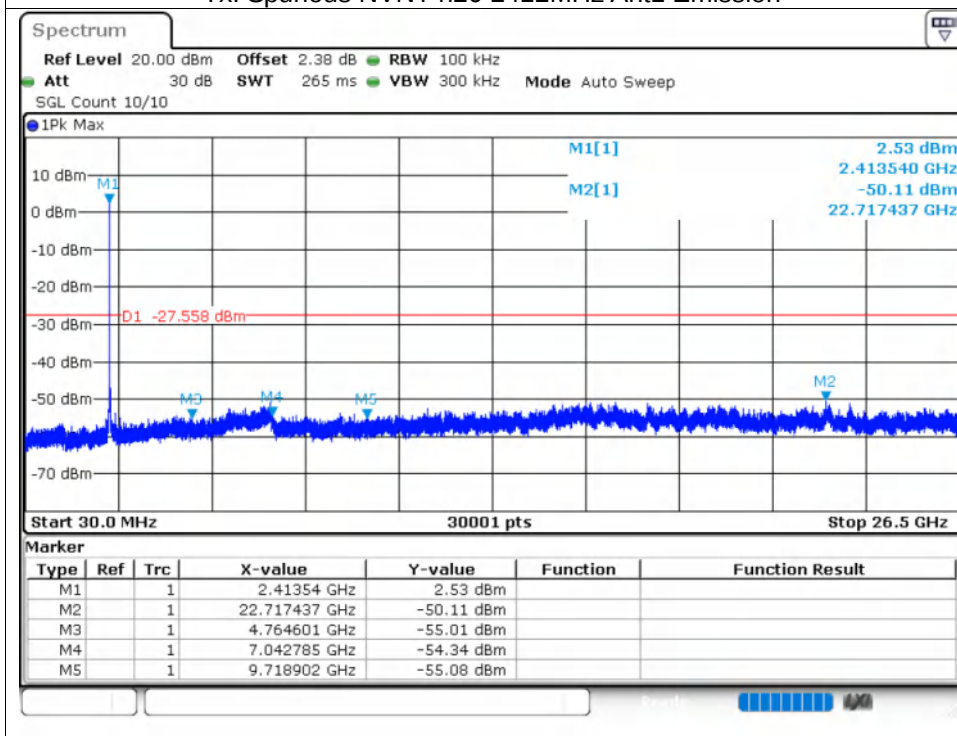


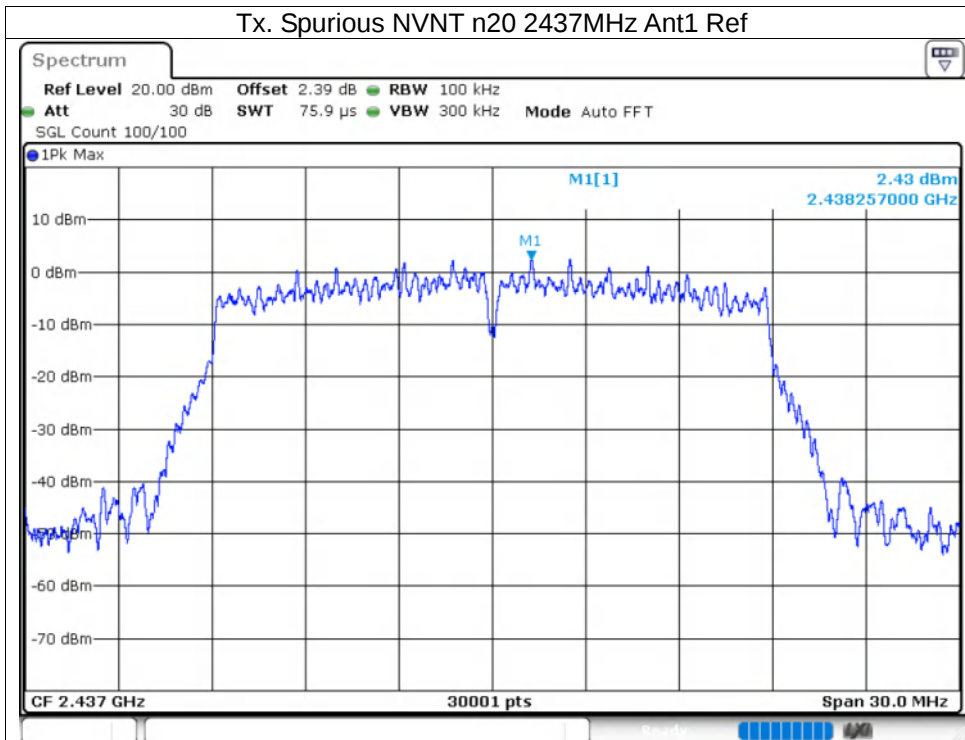
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



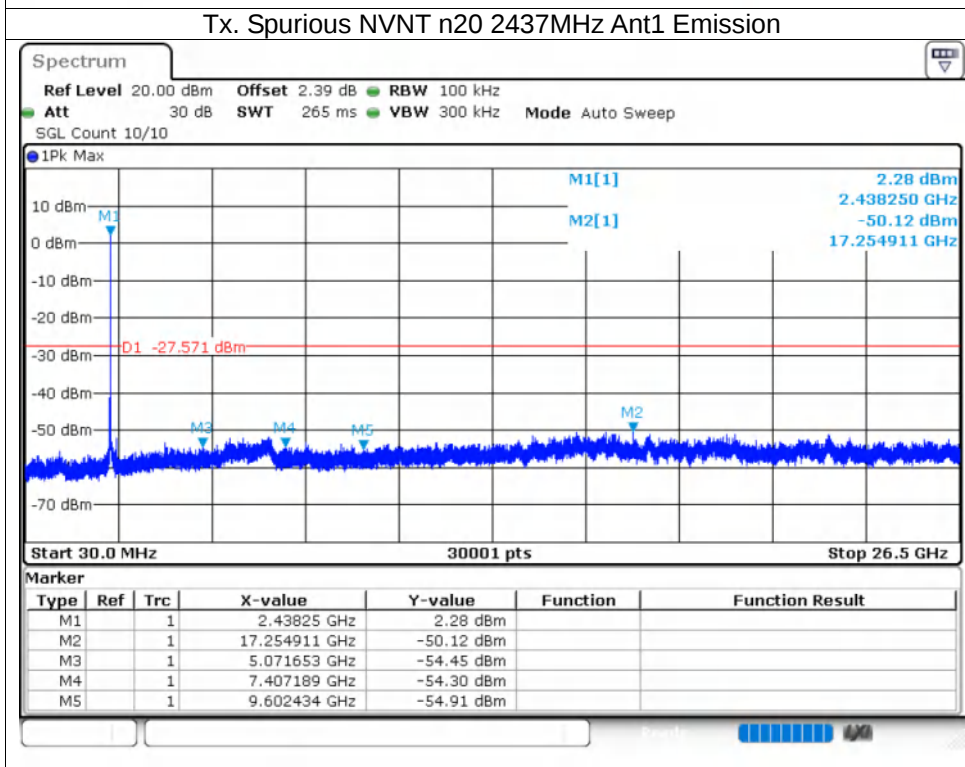
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



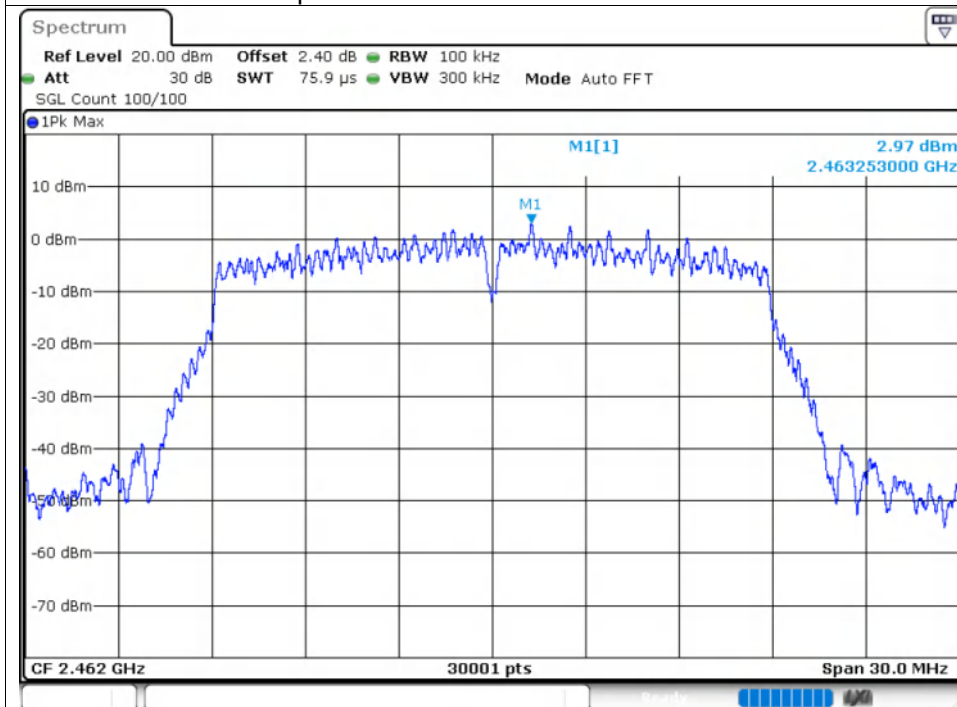
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



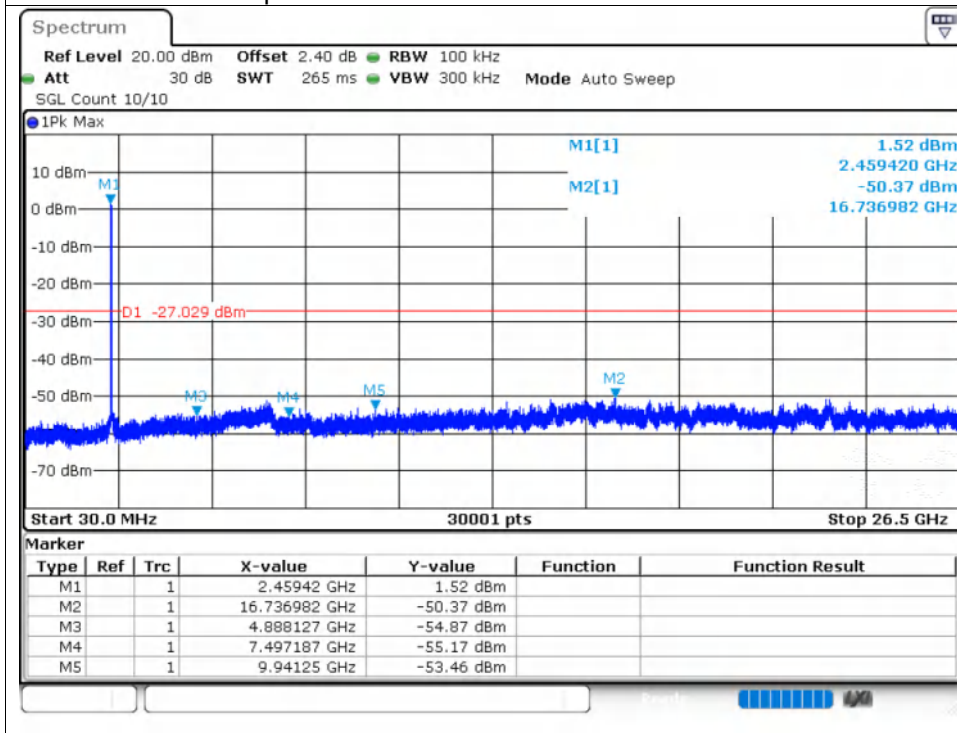
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



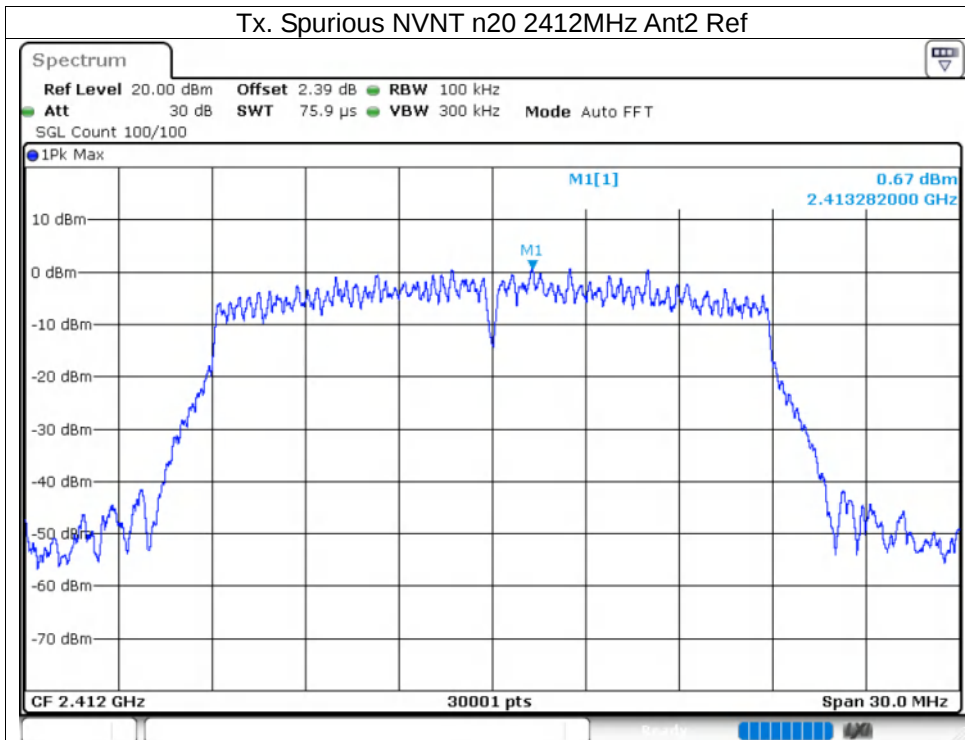
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



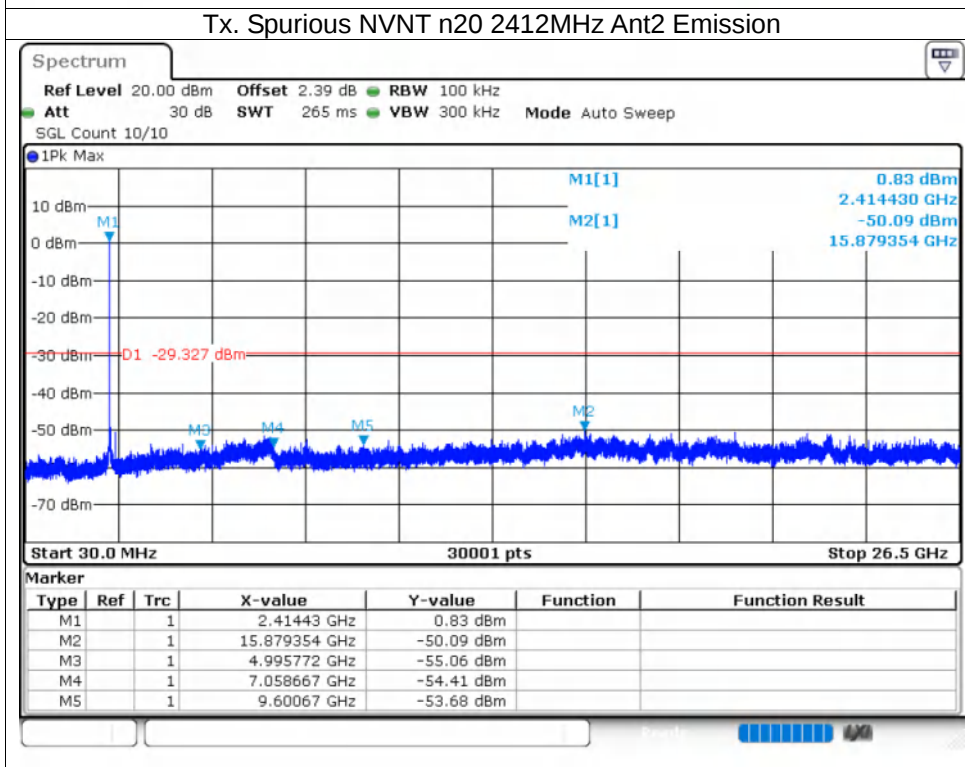
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



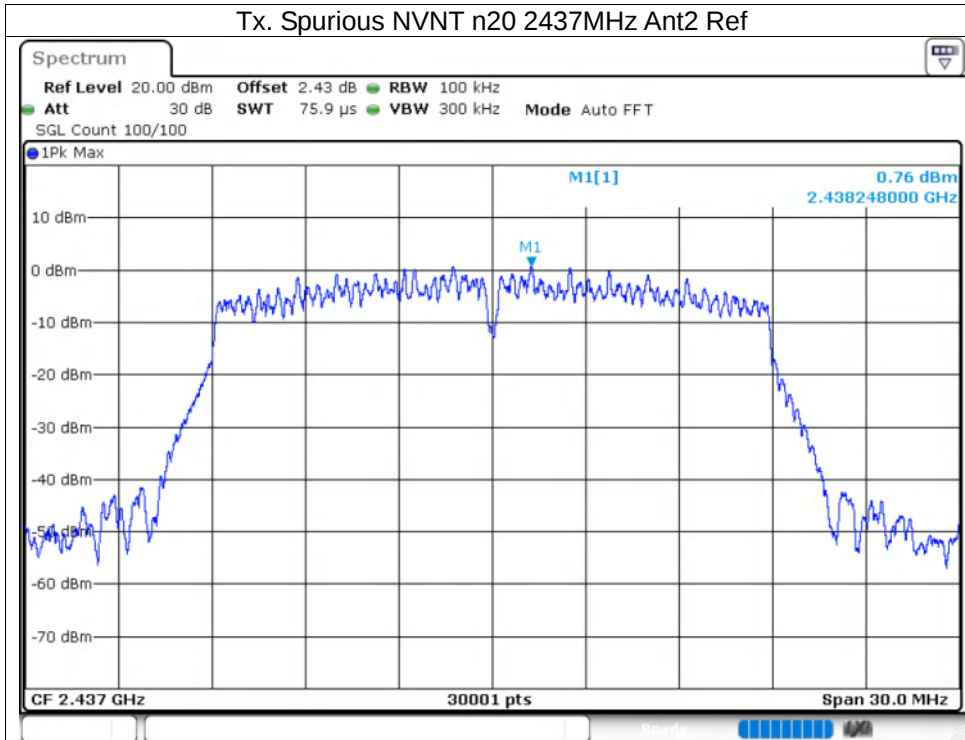
Tx. Spurious NVNT n20 2412MHz Ant2 Ref



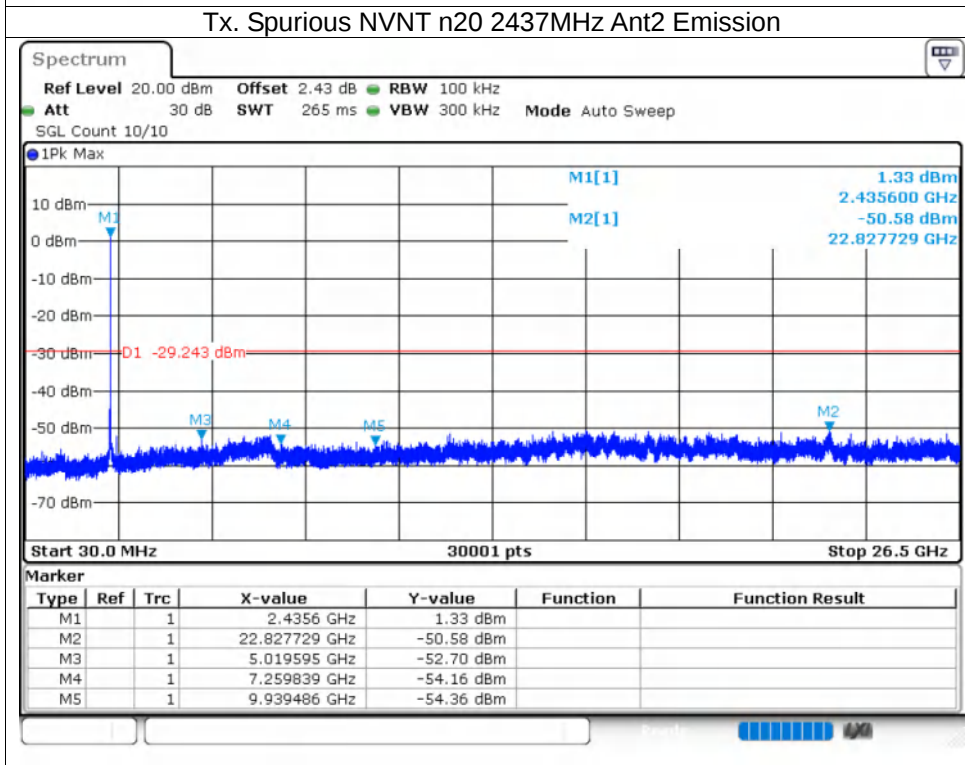
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



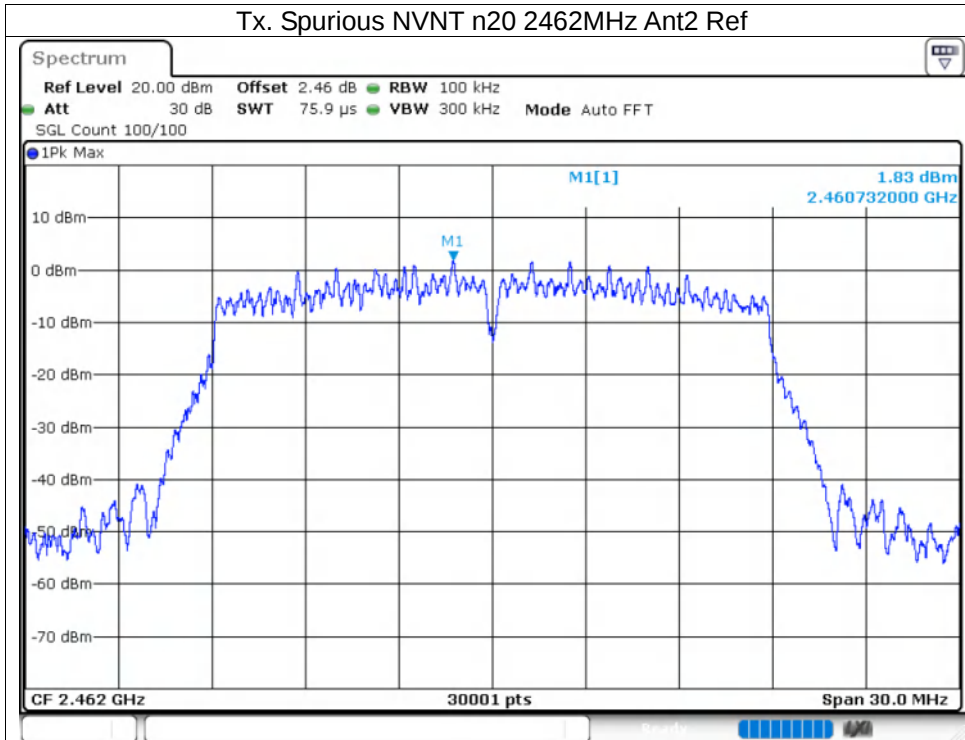
Tx. Spurious NVNT n20 2437MHz Ant2 Ref



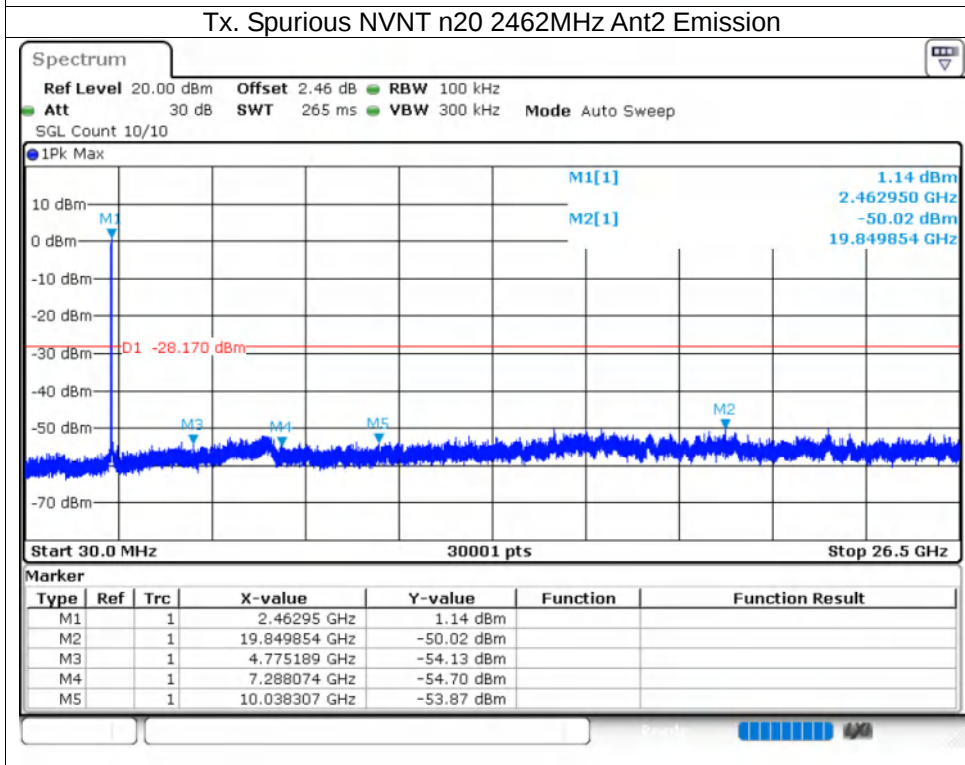
Tx. Spurious NVNT n20 2437MHz Ant2 Emission



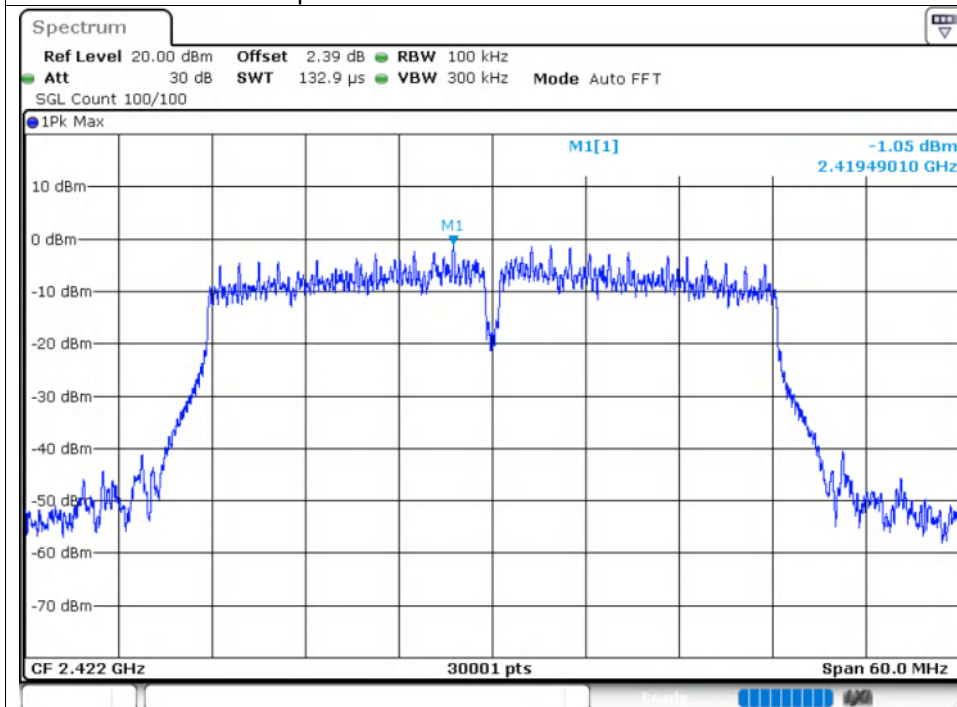
Tx. Spurious NVNT n20 2462MHz Ant2 Ref



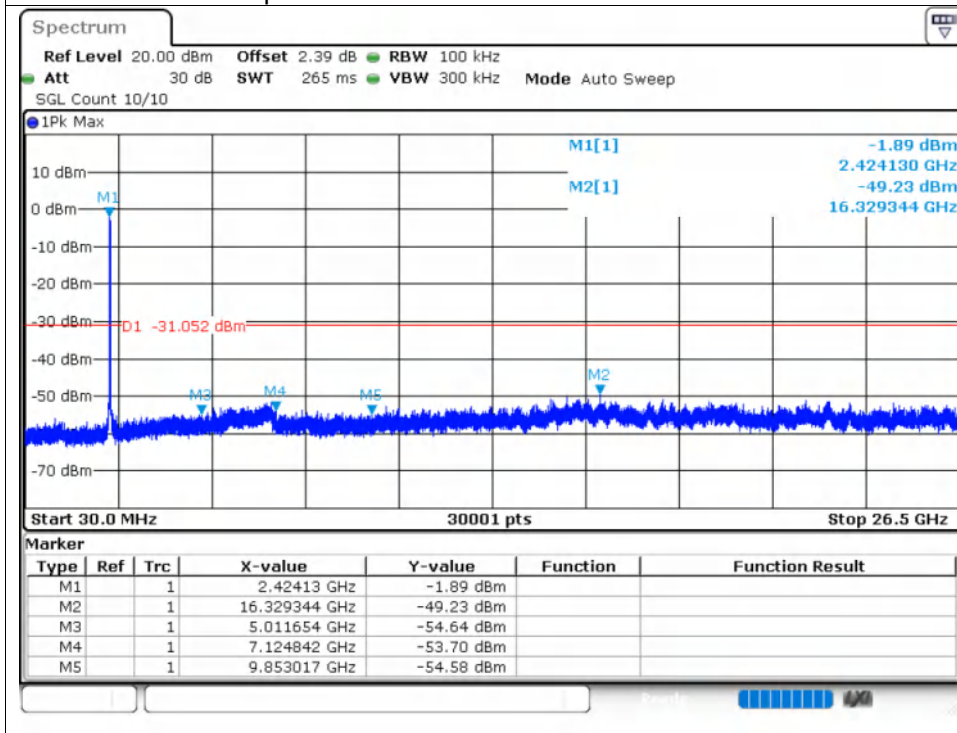
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



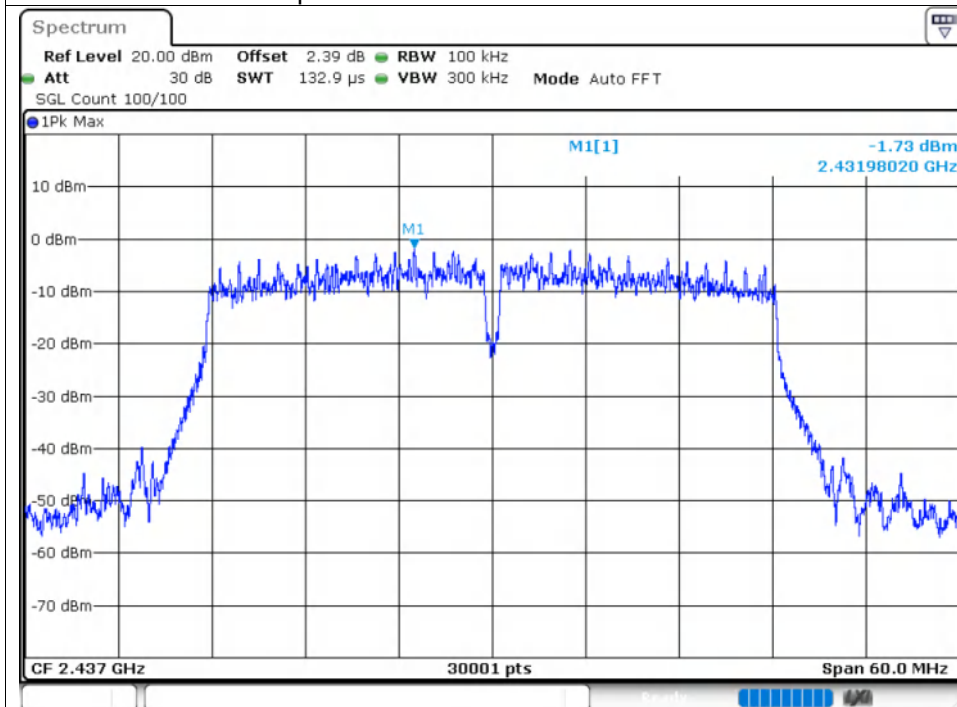
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



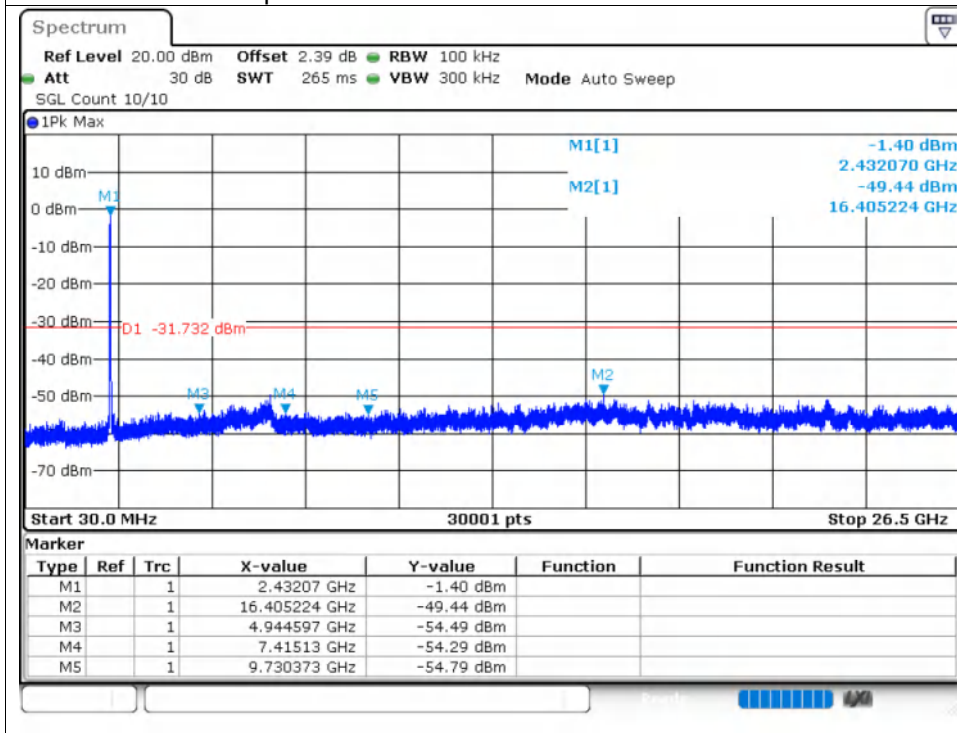
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



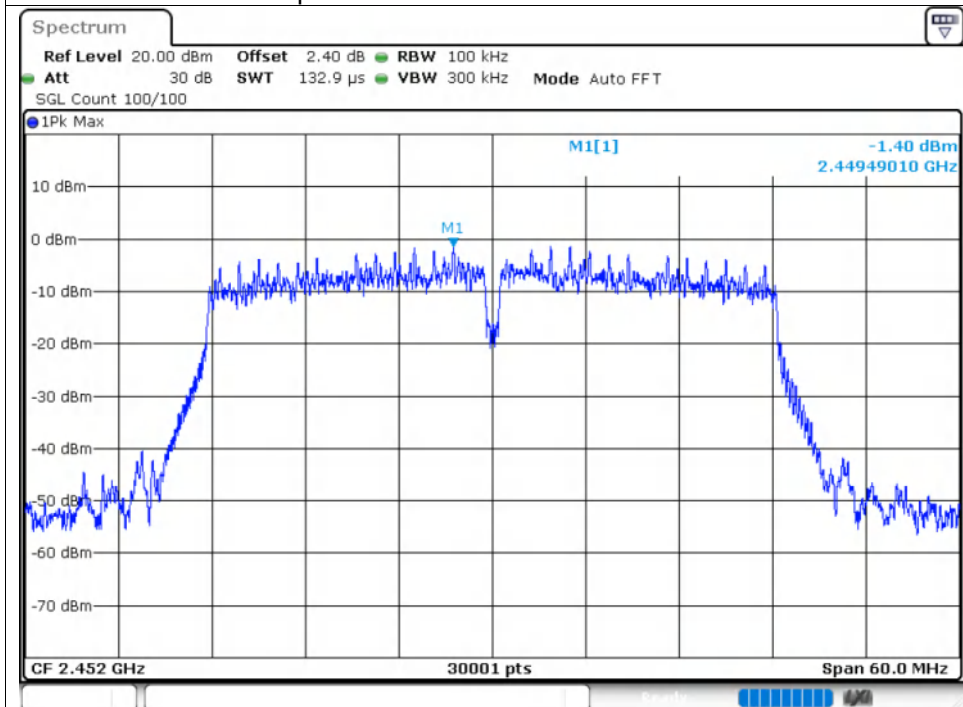
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



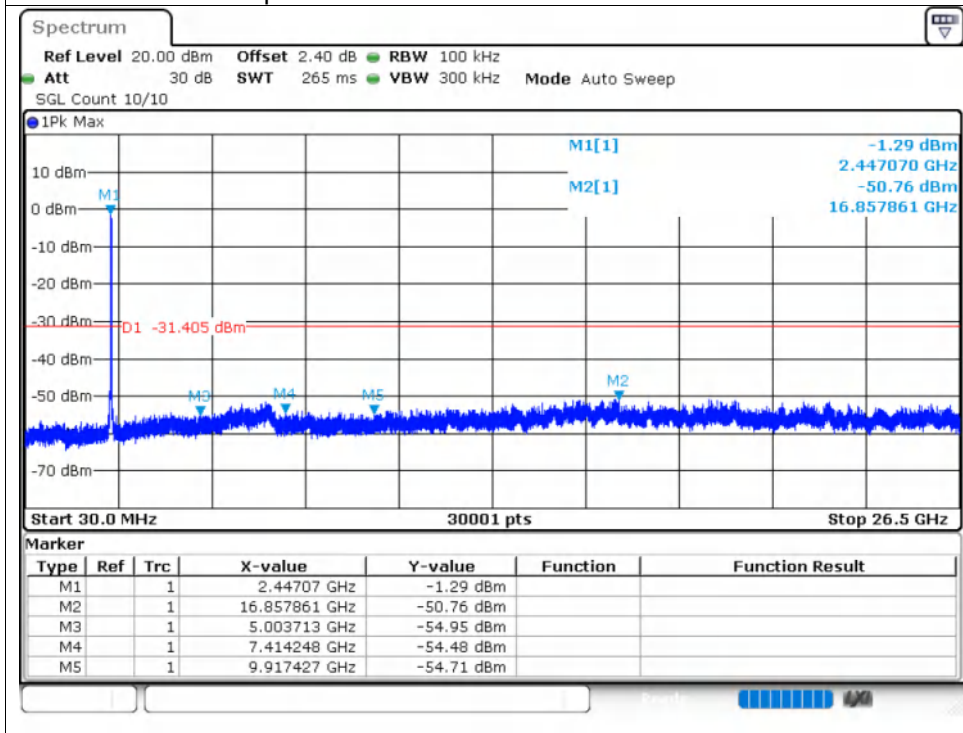
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



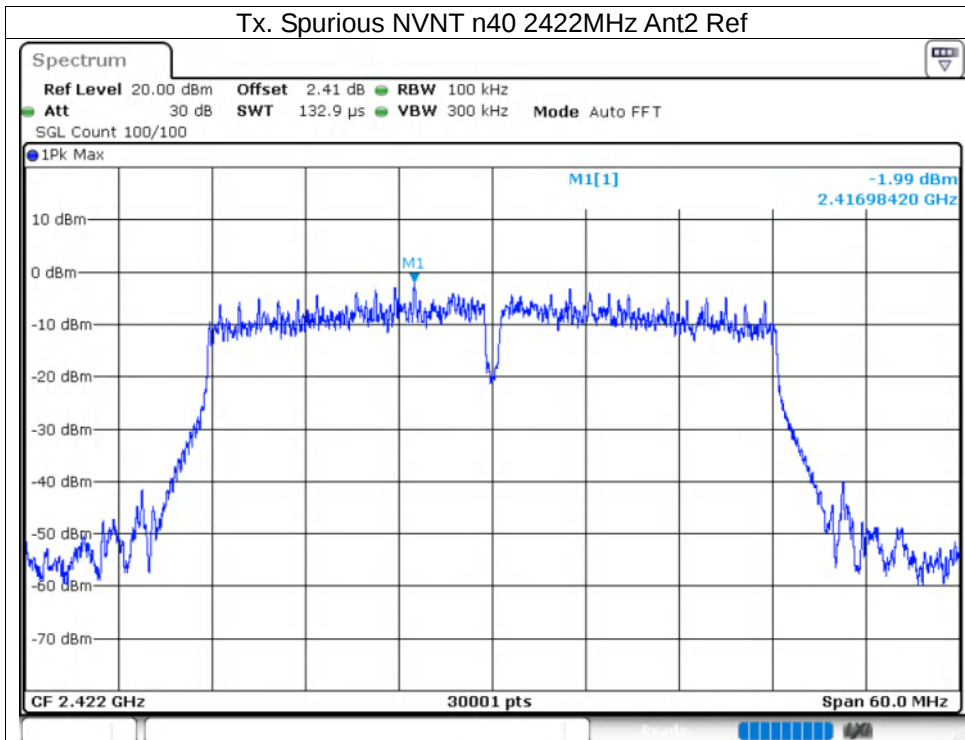
Tx. Spurious NVNT n40 2452MHz Ant1 Ref



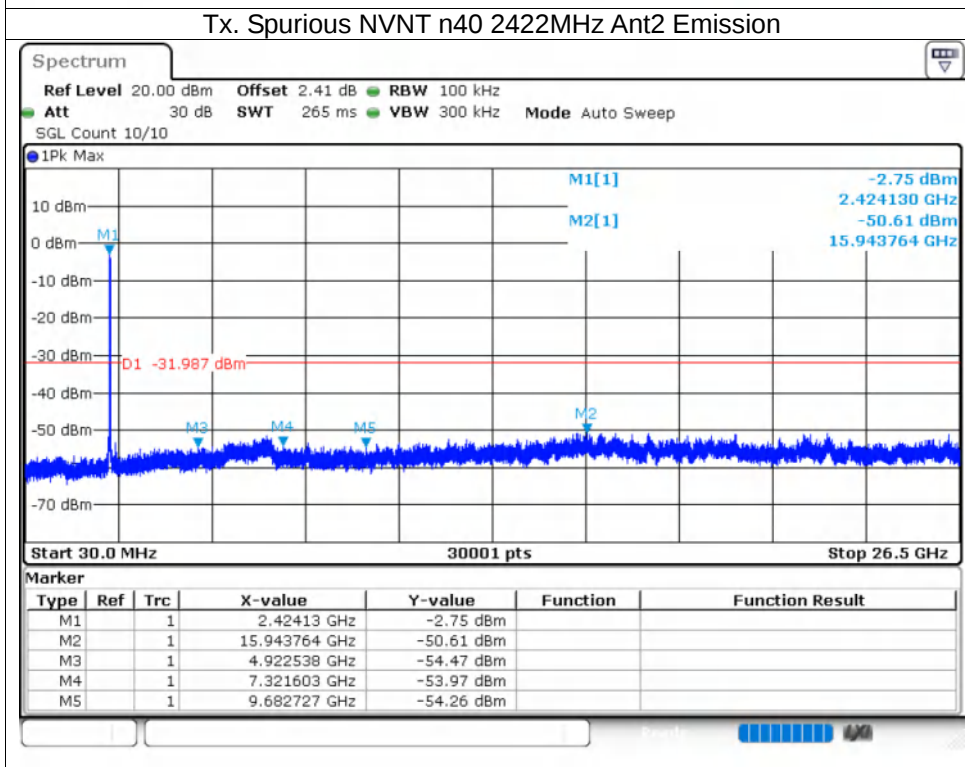
Tx. Spurious NVNT n40 2452MHz Ant1 Emission



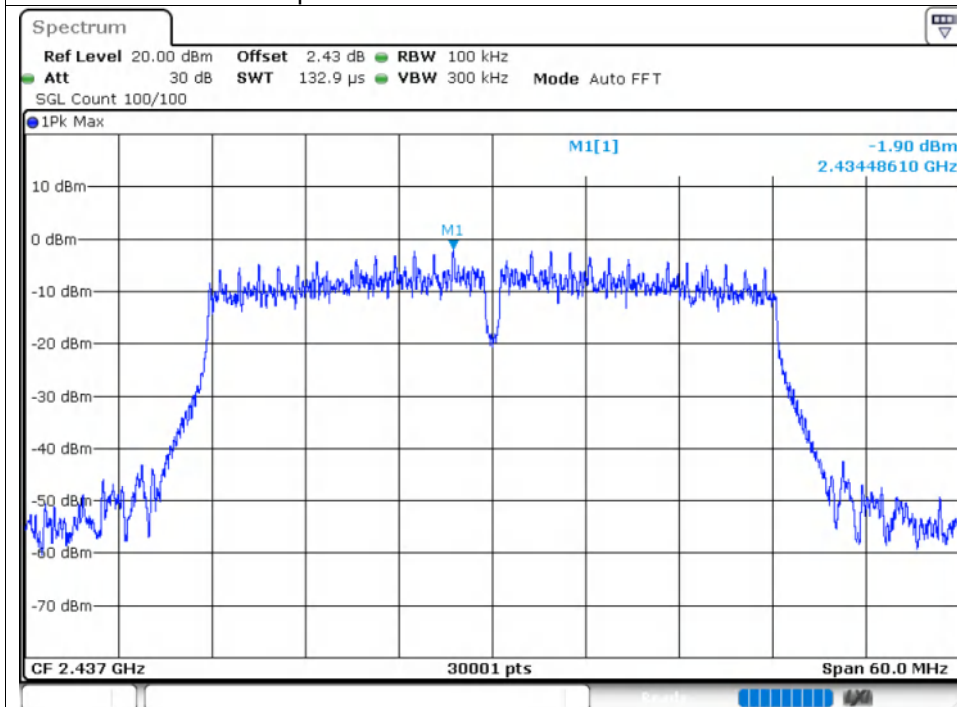
Tx. Spurious NVNT n40 2422MHz Ant2 Ref



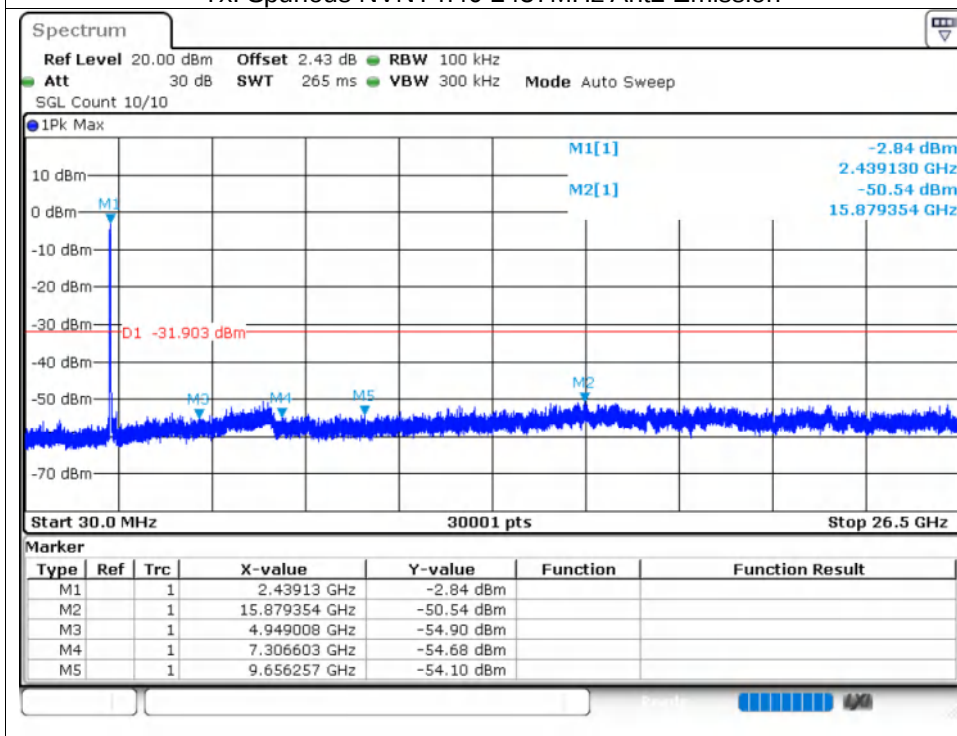
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



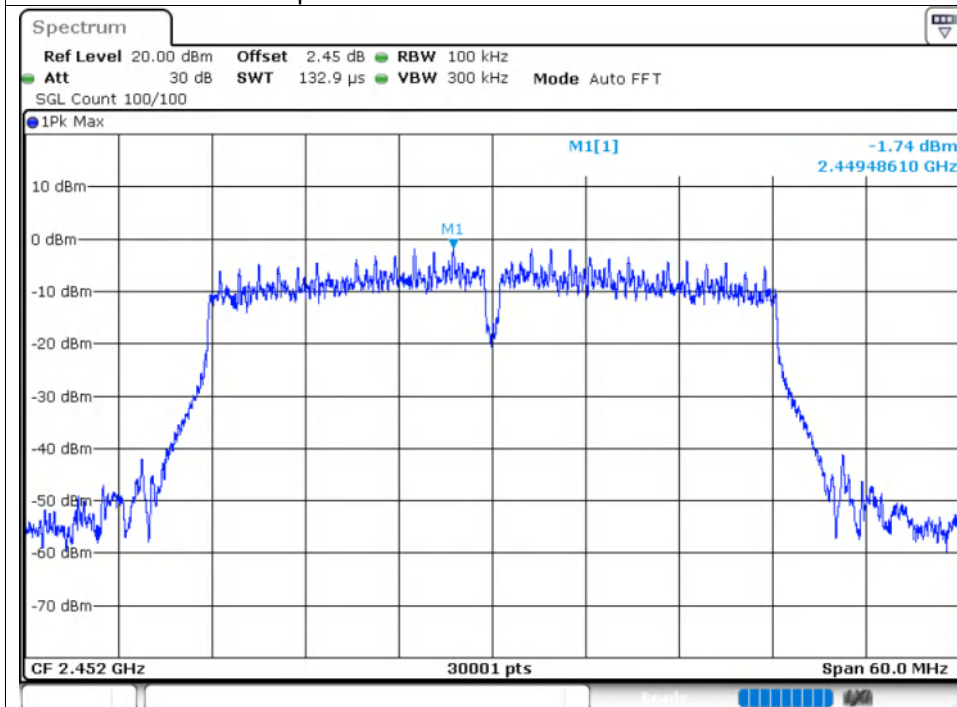
Tx. Spurious NVNT n40 2437MHz Ant2 Ref



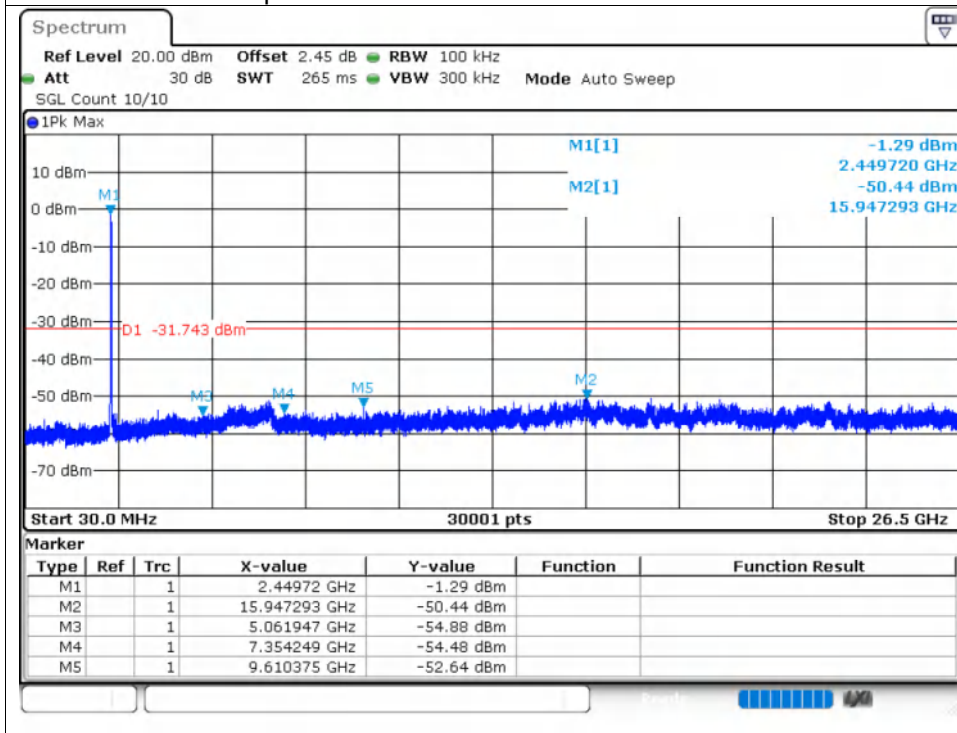
Tx. Spurious NVNT n40 2437MHz Ant2 Emission



Tx. Spurious NVNT n40 2452MHz Ant2 Ref



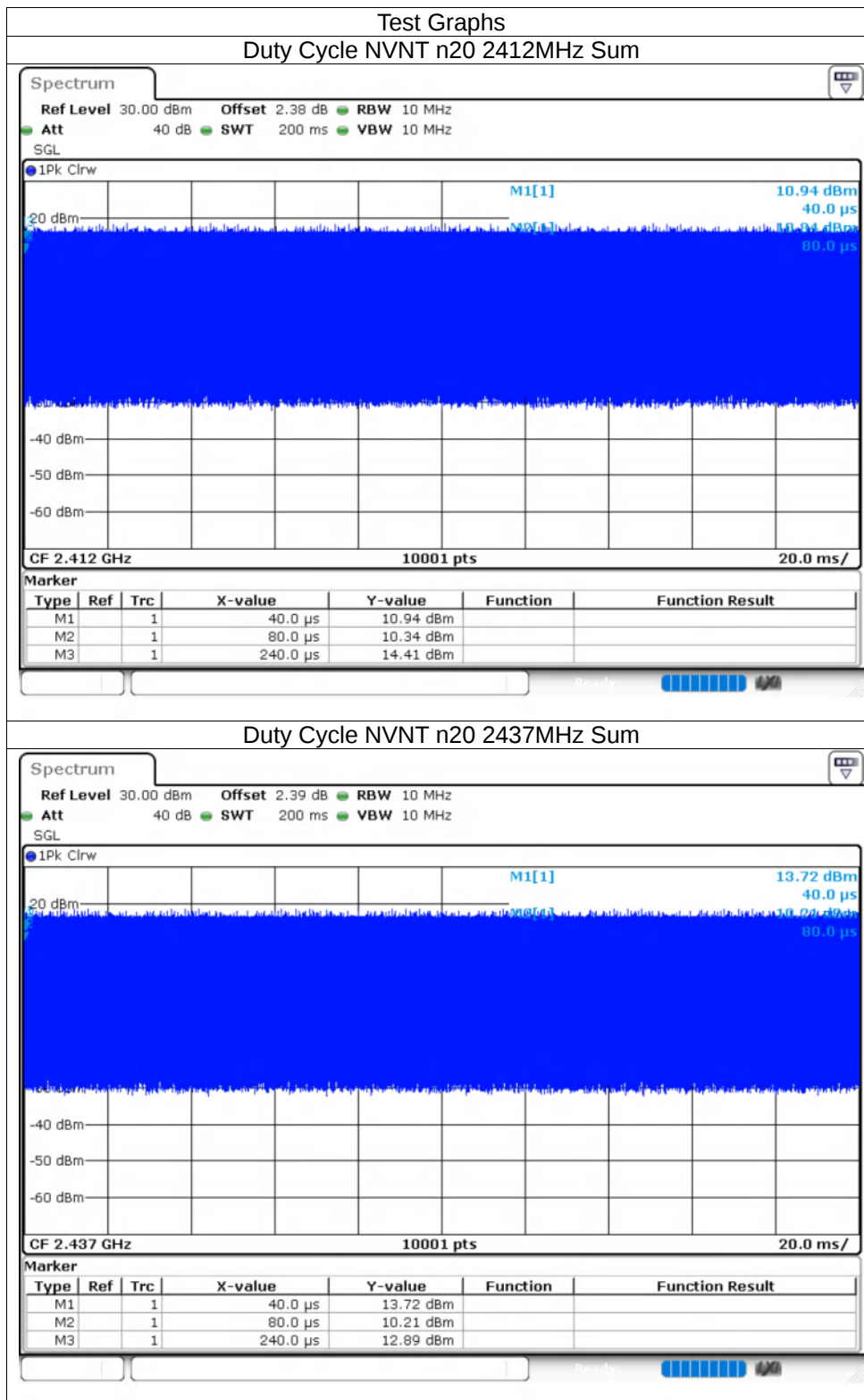
Tx. Spurious NVNT n40 2452MHz Ant2 Emission

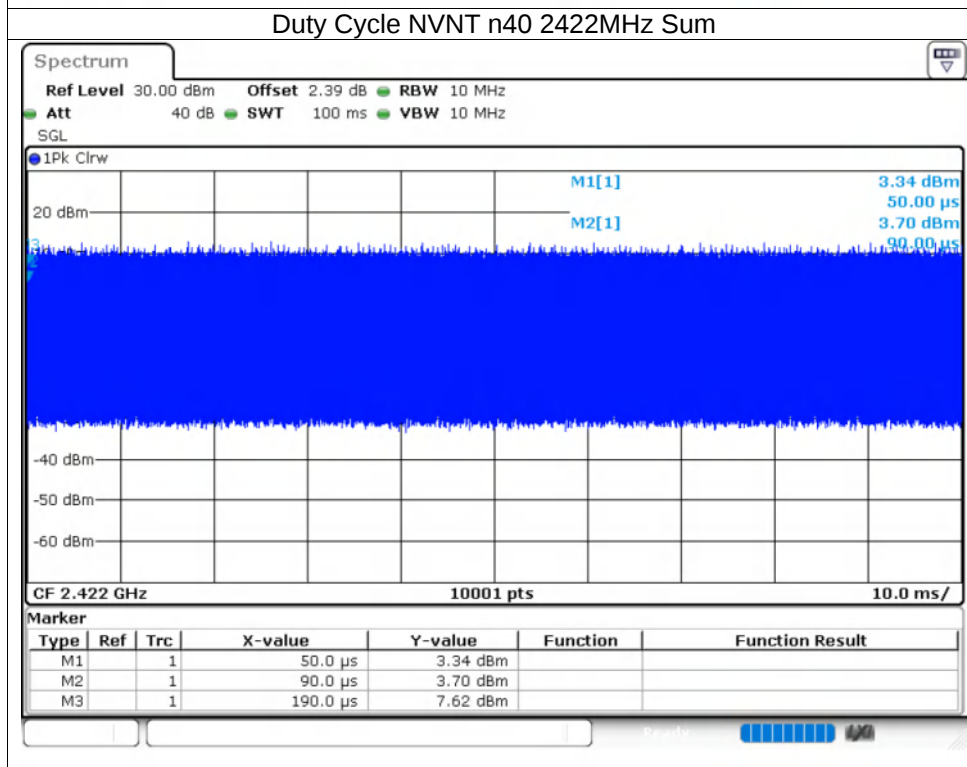
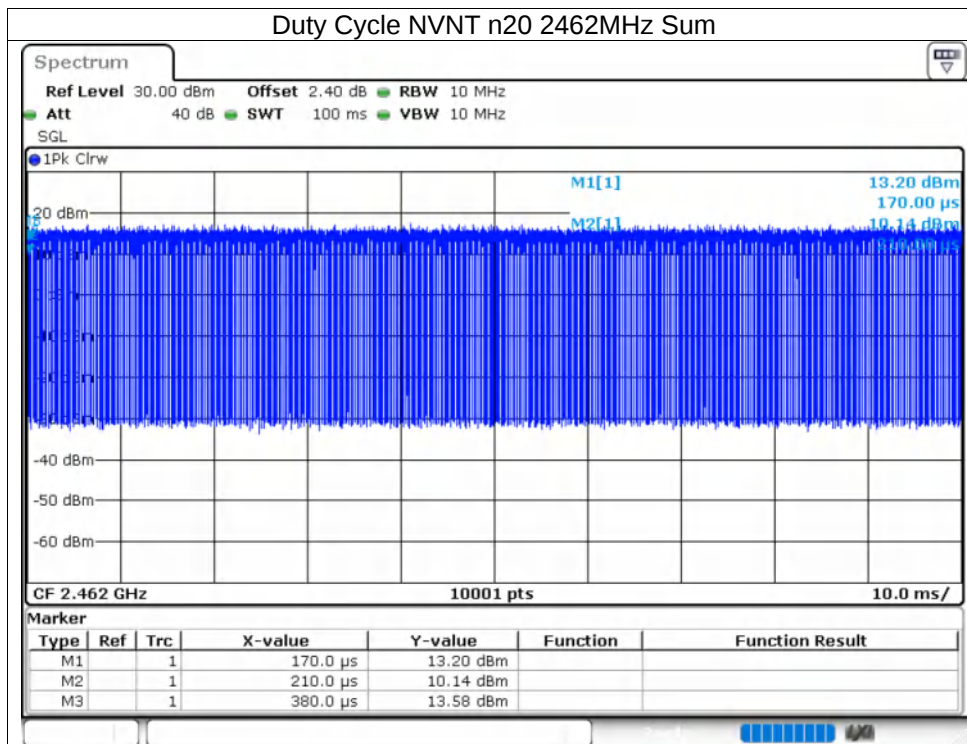


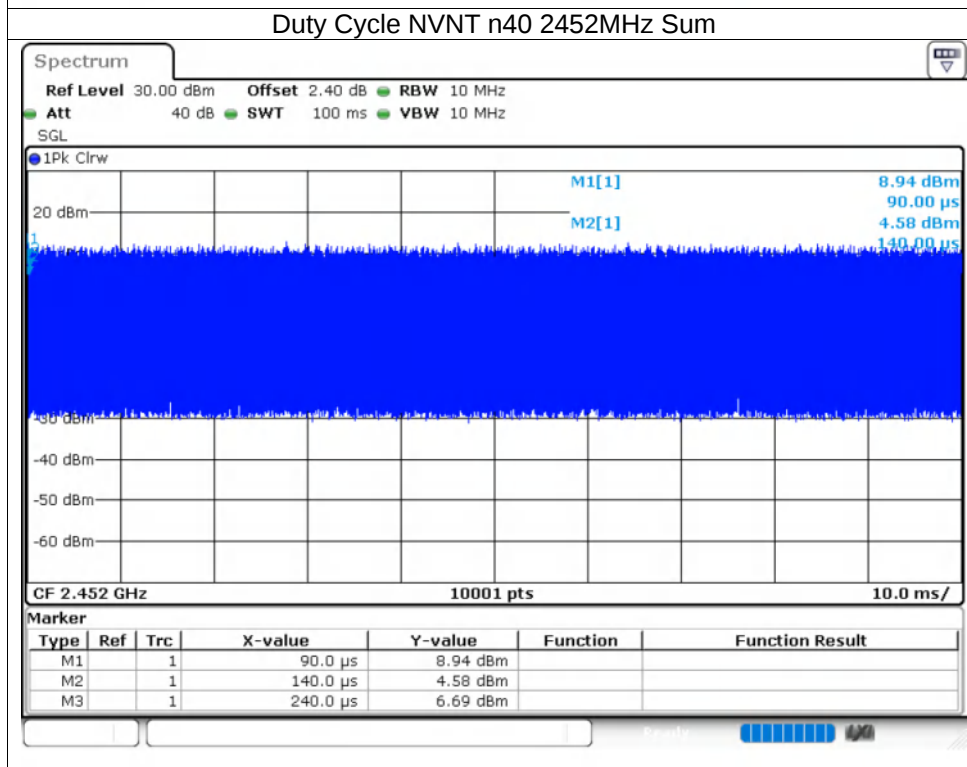
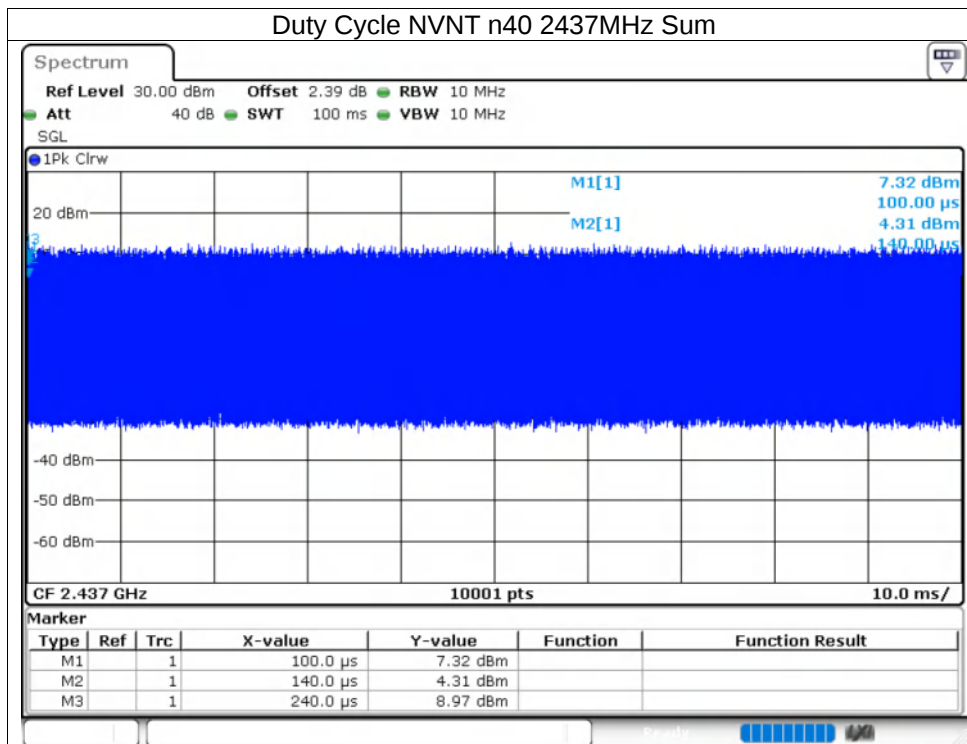
8.2 2.4G WIFI MIMO

8.2.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	n20	2412	Sum	88.15	0.55	6.25
NVNT	n20	2437	Sum	88.14	0.55	6.25
NVNT	n20	2462	Sum	83.41	0.79	5.88
NVNT	n40	2422	Sum	76.39	1.17	10
NVNT	n40	2437	Sum	76.4	1.17	10
NVNT	n40	2452	Sum	76.59	1.16	10







8.2.2 Maximum Conducted Output Power

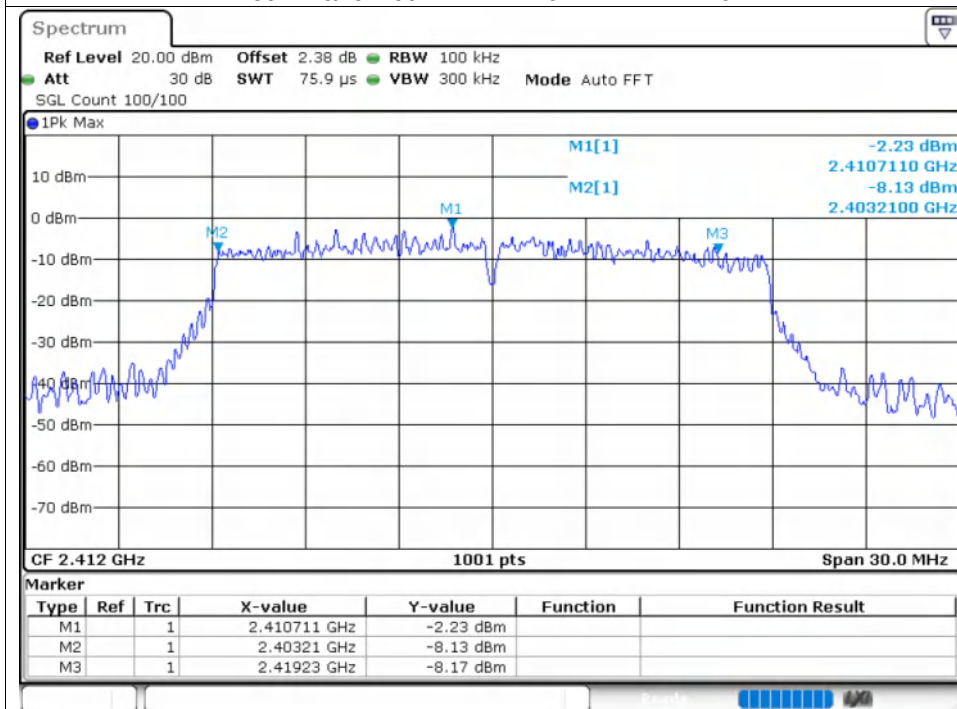
Condition	Mode	Frequency (MHz)	Antenna	AV Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	n20	2412	Ant1	9	30	Pass
NVNT	n20	2412	Ant2	10.27	30	Pass
NVNT	n20	2412	Sum	12.69	30	Pass
NVNT	n20	2437	Ant1	9.22	30	Pass
NVNT	n20	2437	Ant2	10.3	30	Pass
NVNT	n20	2437	Sum	12.8	30	Pass
NVNT	n20	2462	Ant1	8.77	30	Pass
NVNT	n20	2462	Ant2	10.39	30	Pass
NVNT	n20	2462	Sum	12.67	30	Pass
NVNT	n40	2422	Ant1	6.82	30	Pass
NVNT	n40	2422	Ant2	8.17	30	Pass
NVNT	n40	2422	Sum	10.56	30	Pass
NVNT	n40	2437	Ant1	6.62	30	Pass
NVNT	n40	2437	Ant2	8.21	30	Pass
NVNT	n40	2437	Sum	10.5	30	Pass
NVNT	n40	2452	Ant1	6.95	30	Pass
NVNT	n40	2452	Ant2	8.24	30	Pass
NVNT	n40	2452	Sum	10.65	30	Pass

8.2.3 -6dB Bandwidth

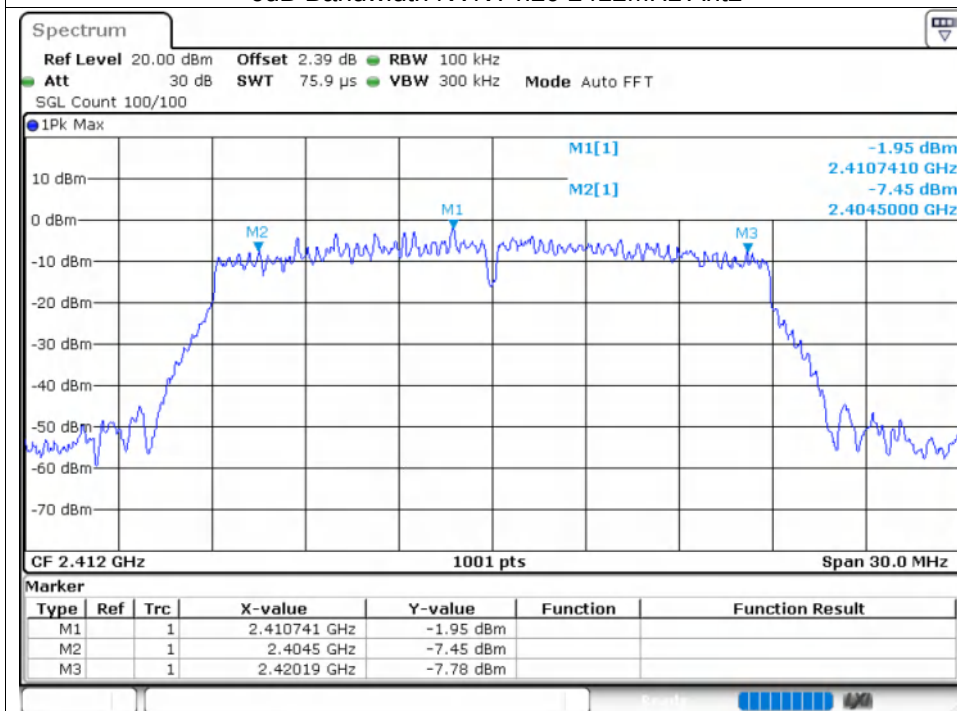
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	n20	2412	Ant1	16.02	0.5	Pass
NVNT	n20	2412	Ant2	15.69	0.5	Pass
NVNT	n20	2437	Ant1	14.988	0.5	Pass
NVNT	n20	2437	Ant2	15.351	0.5	Pass
NVNT	n20	2462	Ant1	15.099	0.5	Pass
NVNT	n20	2462	Ant2	15.051	0.5	Pass
NVNT	n40	2422	Ant1	35.982	0.5	Pass
NVNT	n40	2422	Ant2	35.082	0.5	Pass
NVNT	n40	2437	Ant1	34.446	0.5	Pass
NVNT	n40	2437	Ant2	35.088	0.5	Pass
NVNT	n40	2452	Ant1	29.136	0.5	Pass
NVNT	n40	2452	Ant2	35.076	0.5	Pass

Test Graphs

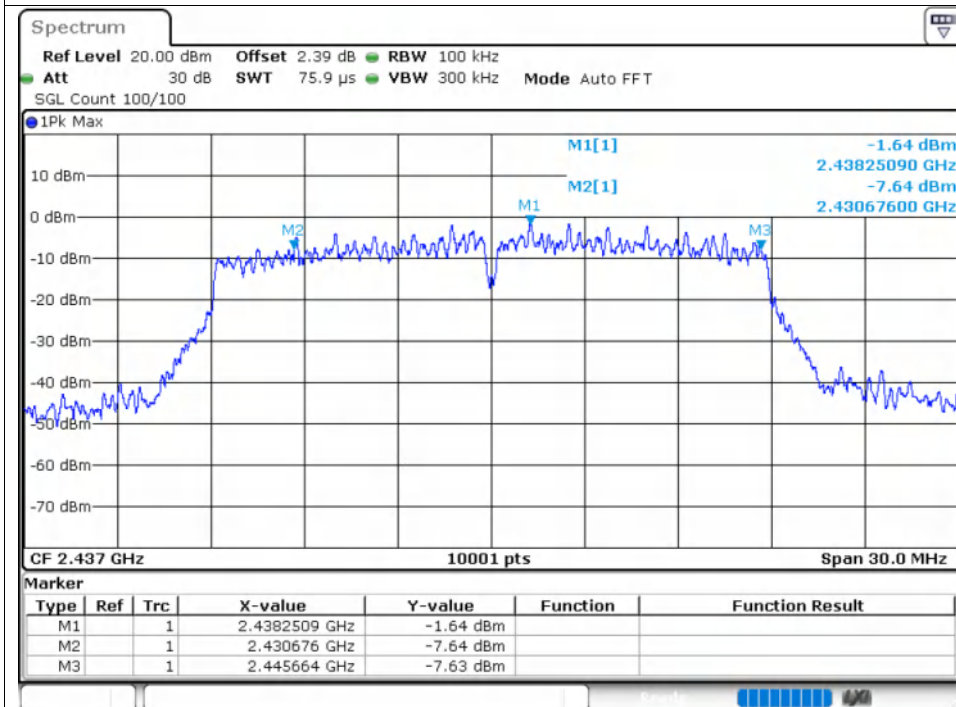
-6dB Bandwidth NVNT n20 2412MHz Ant1



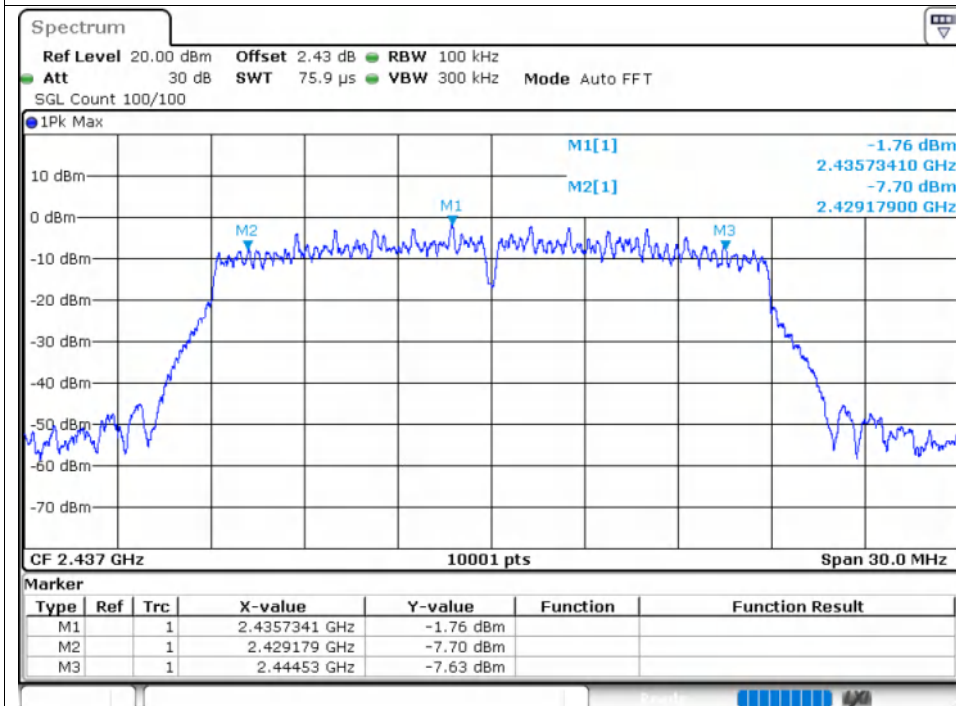
-6dB Bandwidth NVNT n20 2412MHz Ant2



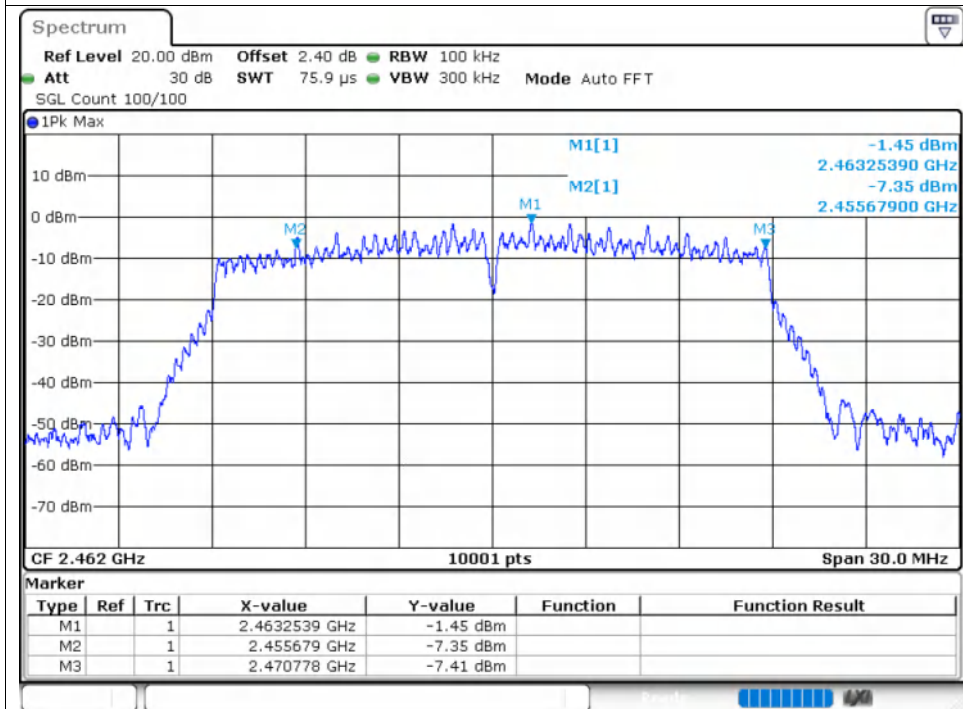
-6dB Bandwidth NVNT n20 2437MHz Ant1



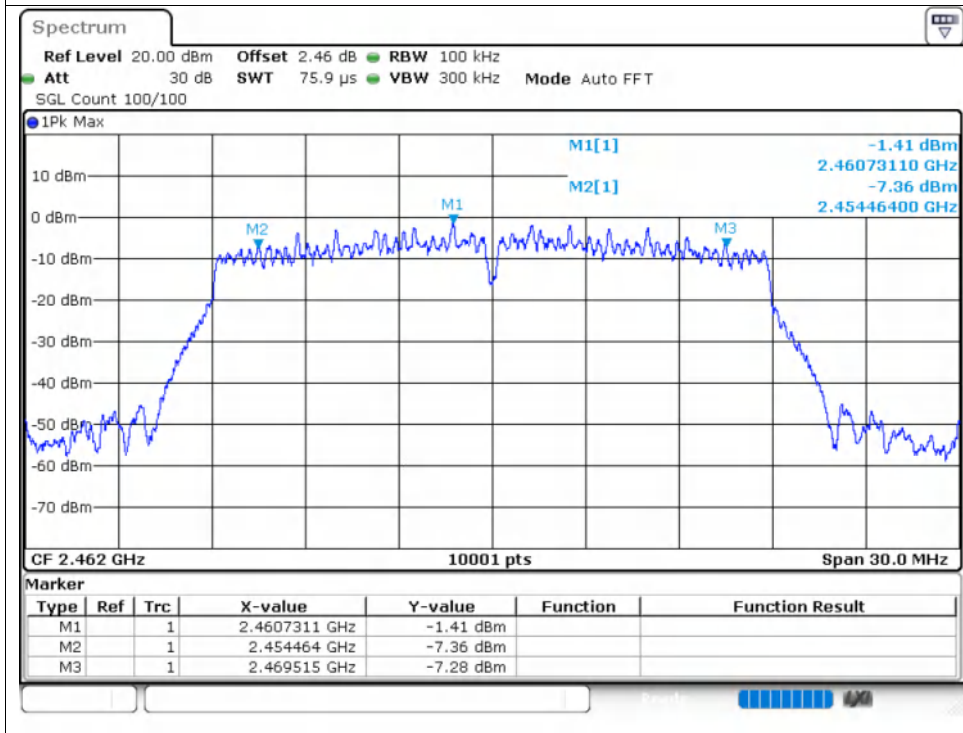
-6dB Bandwidth NVNT n20 2437MHz Ant2



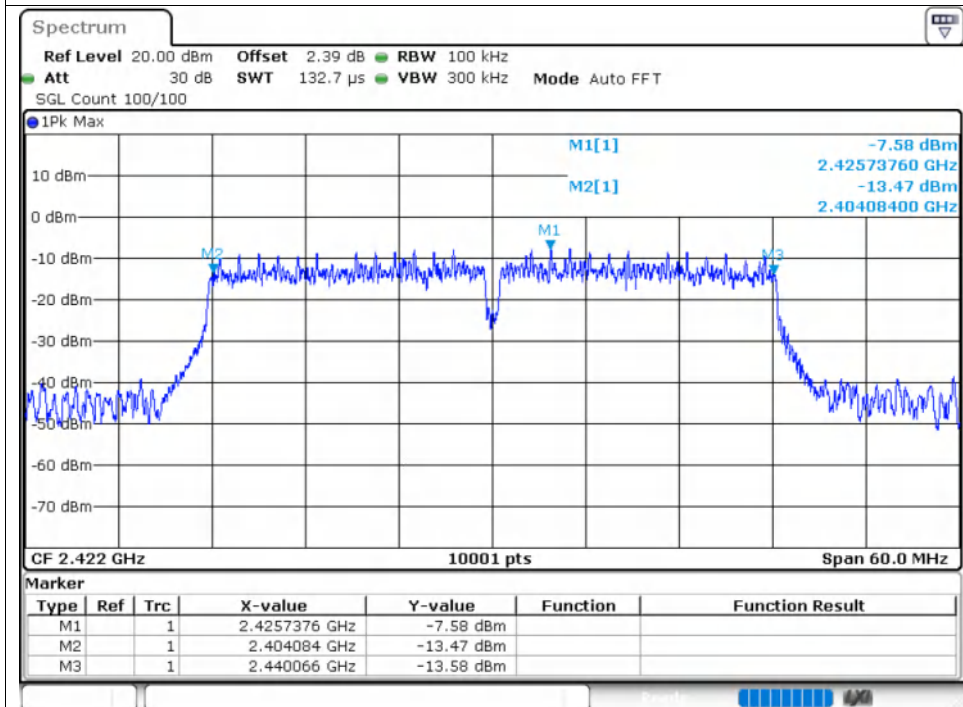
-6dB Bandwidth NVNT n20 2462MHz Ant1



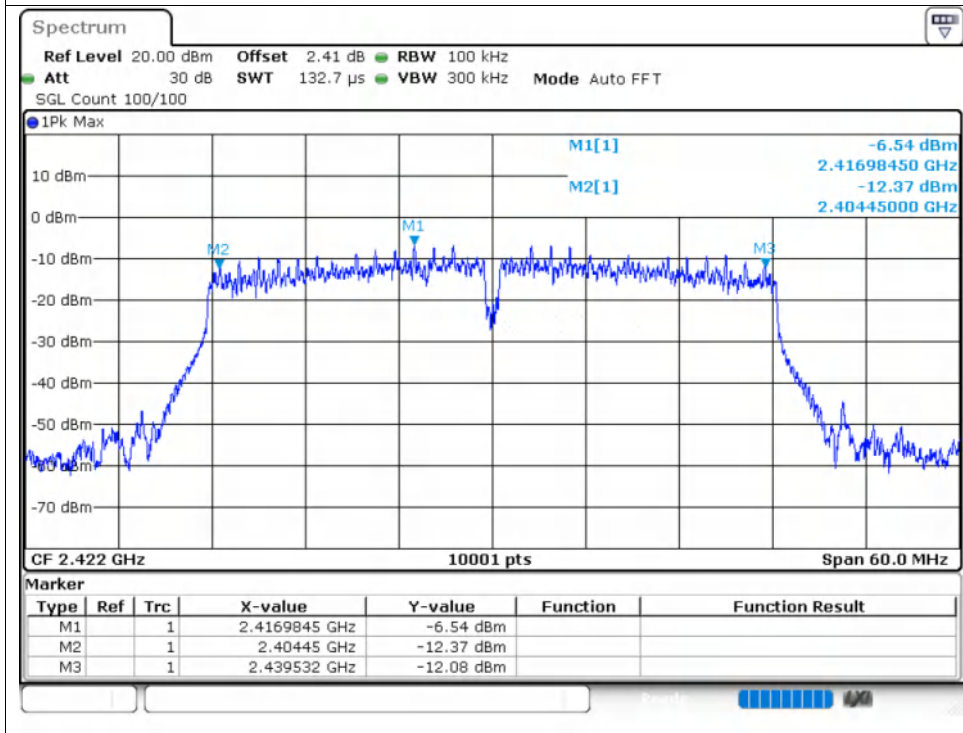
-6dB Bandwidth NVNT n20 2462MHz Ant2



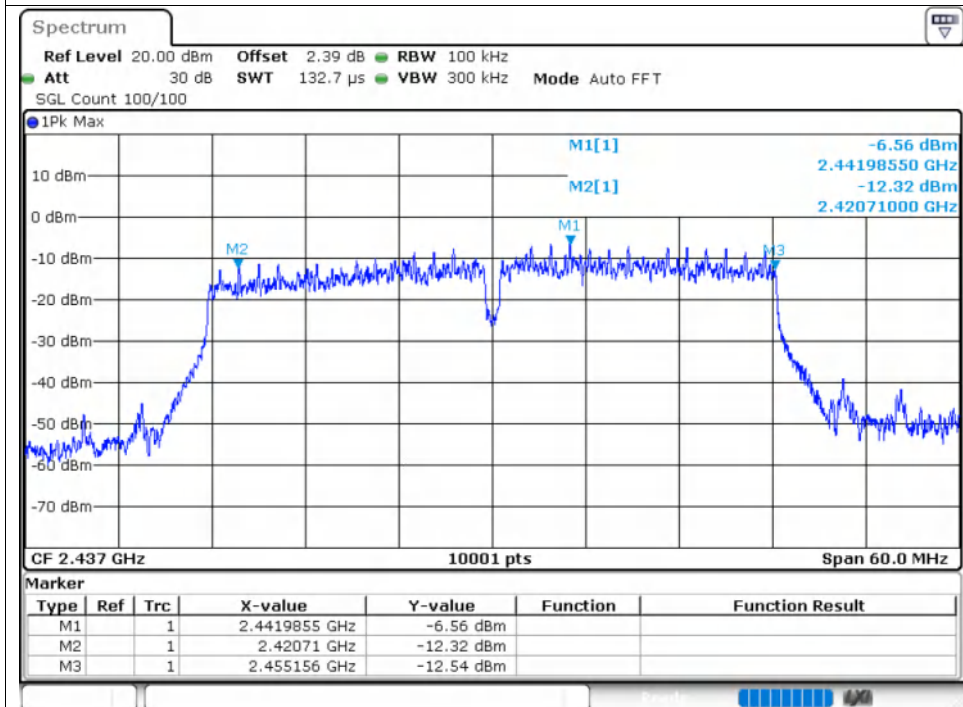
-6dB Bandwidth NVNT n40 2422MHz Ant1



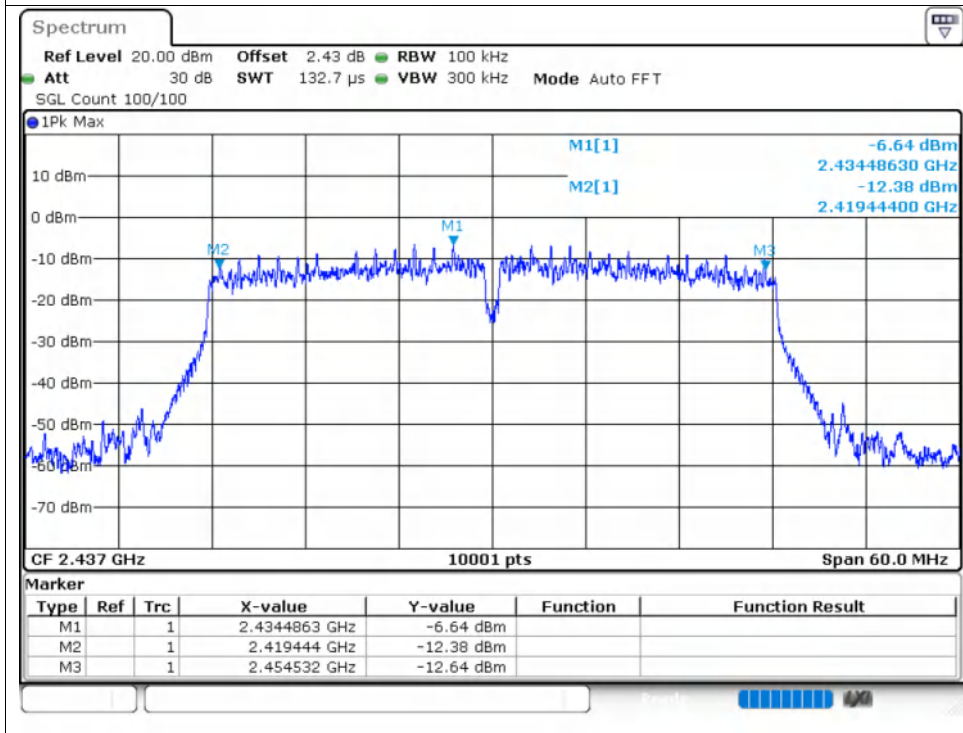
-6dB Bandwidth NVNT n40 2422MHz Ant2

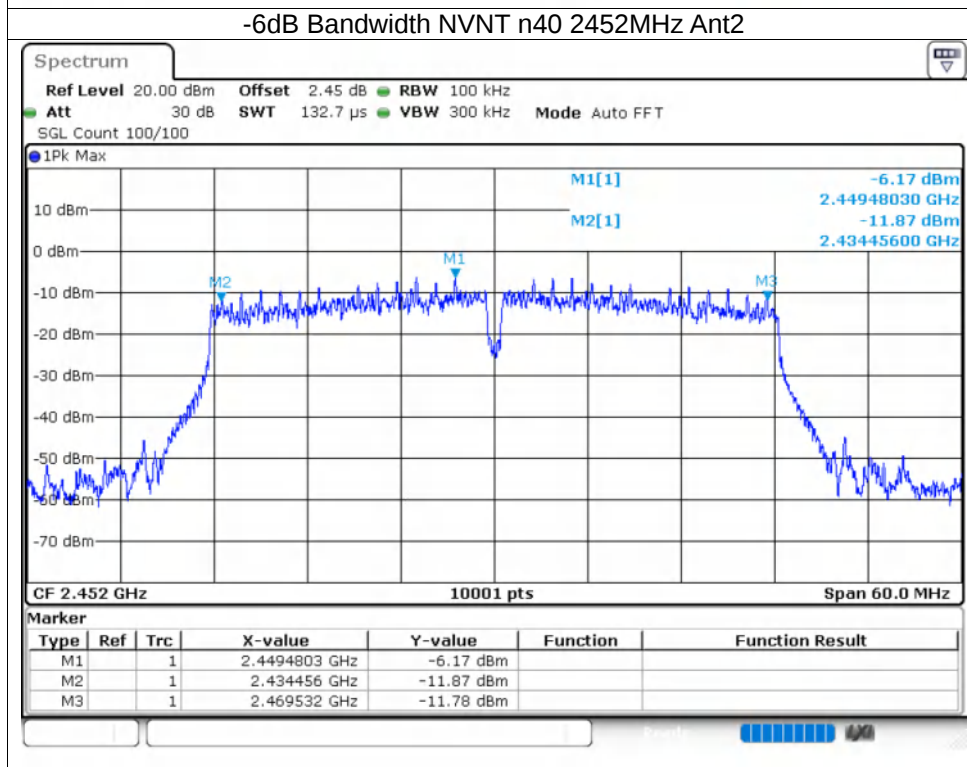
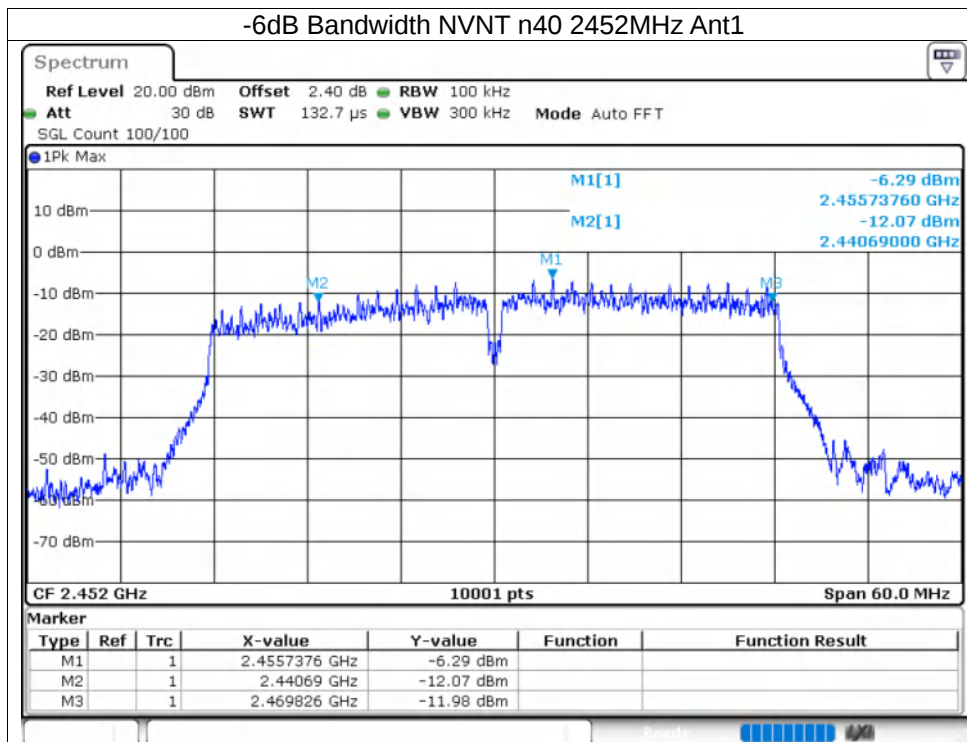


-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant2

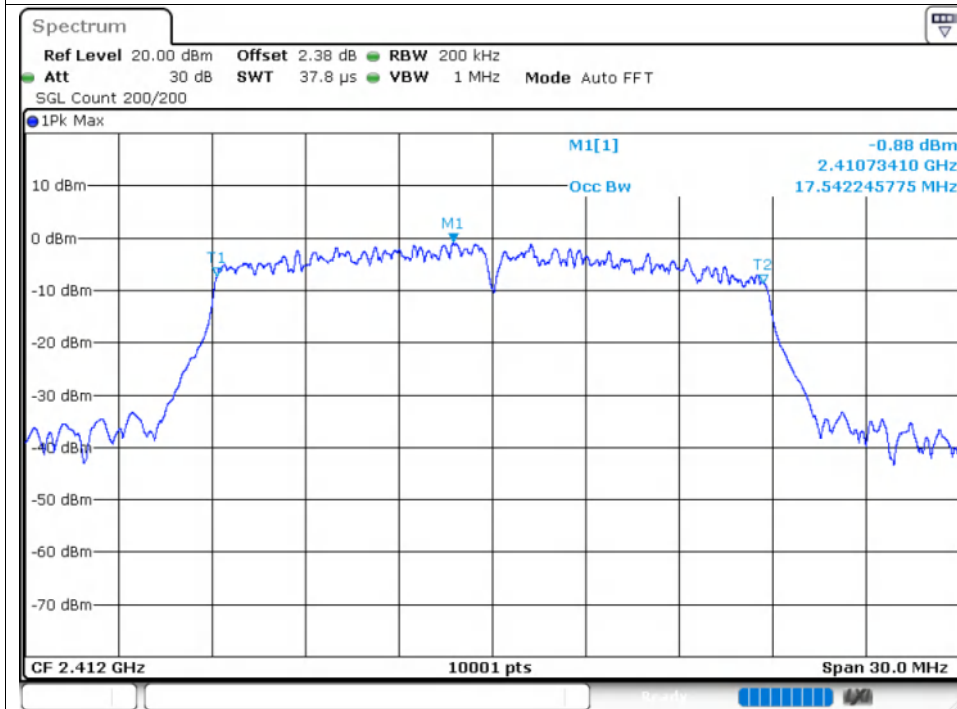




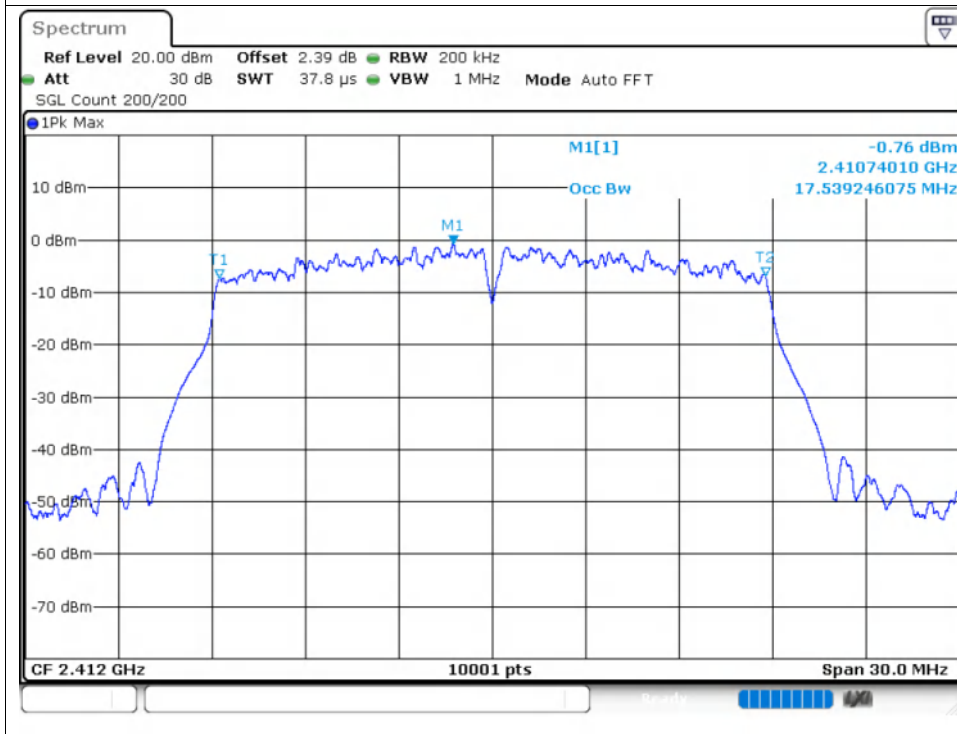
8.2.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	n20	2412	Ant1	17.542
NVNT	n20	2412	Ant2	17.539
NVNT	n20	2437	Ant1	17.473
NVNT	n20	2437	Ant2	17.548
NVNT	n20	2462	Ant1	17.494
NVNT	n20	2462	Ant2	17.563
NVNT	n40	2422	Ant1	36.344
NVNT	n40	2422	Ant2	36.008
NVNT	n40	2437	Ant1	36.02
NVNT	n40	2437	Ant2	36.062
NVNT	n40	2452	Ant1	35.828
NVNT	n40	2452	Ant2	36.038

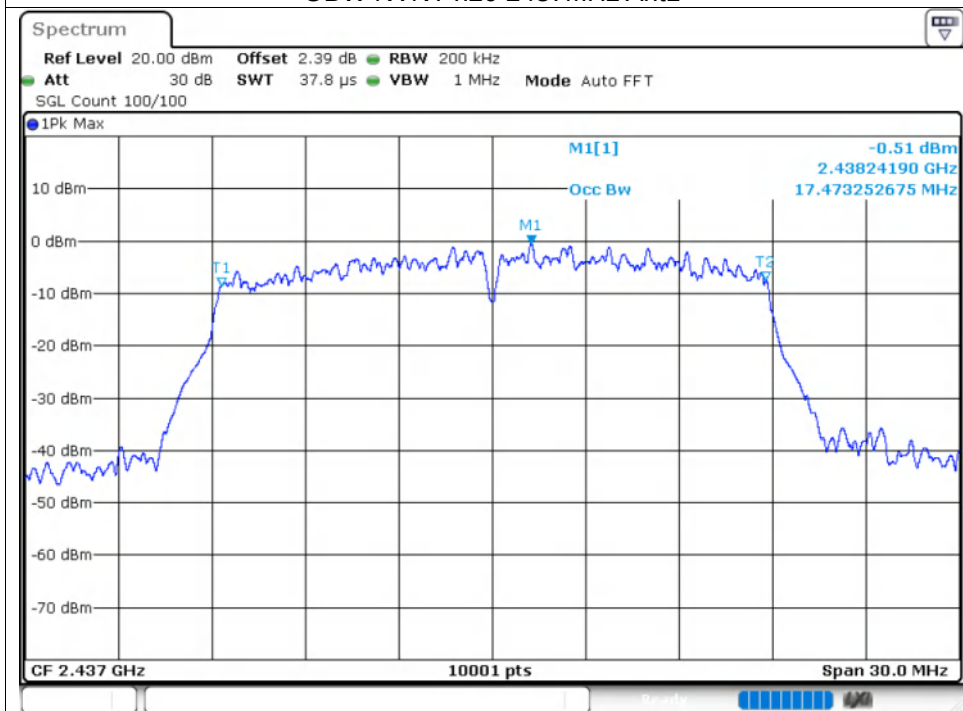
Test Graphs OBW NVNT n20 2412MHz Ant1



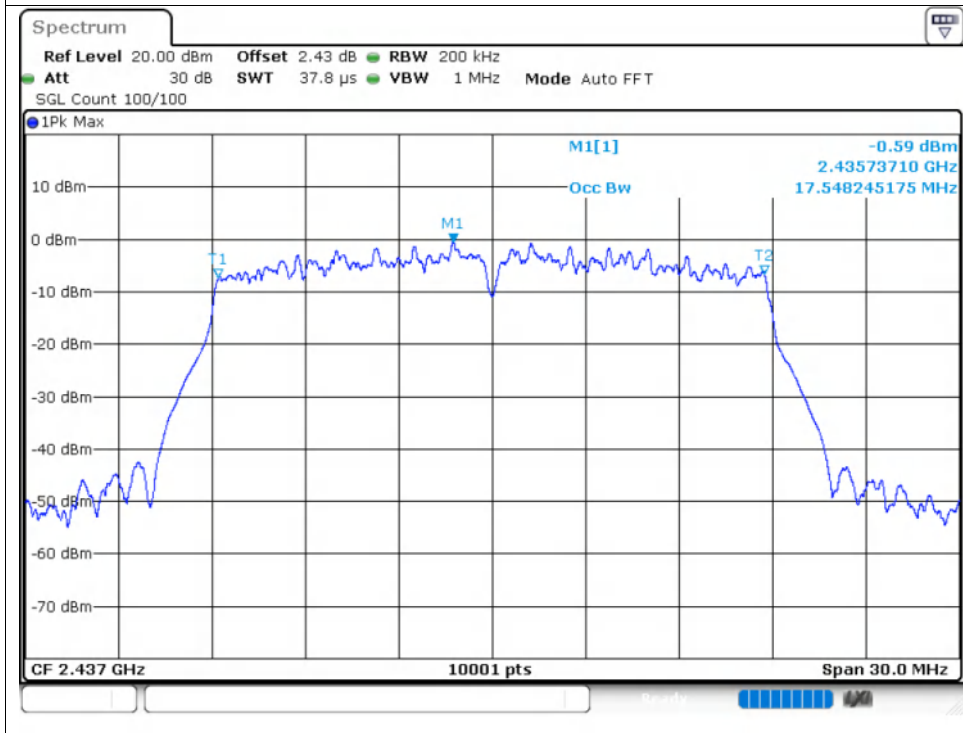
OBW NVNT n20 2412MHz Ant2



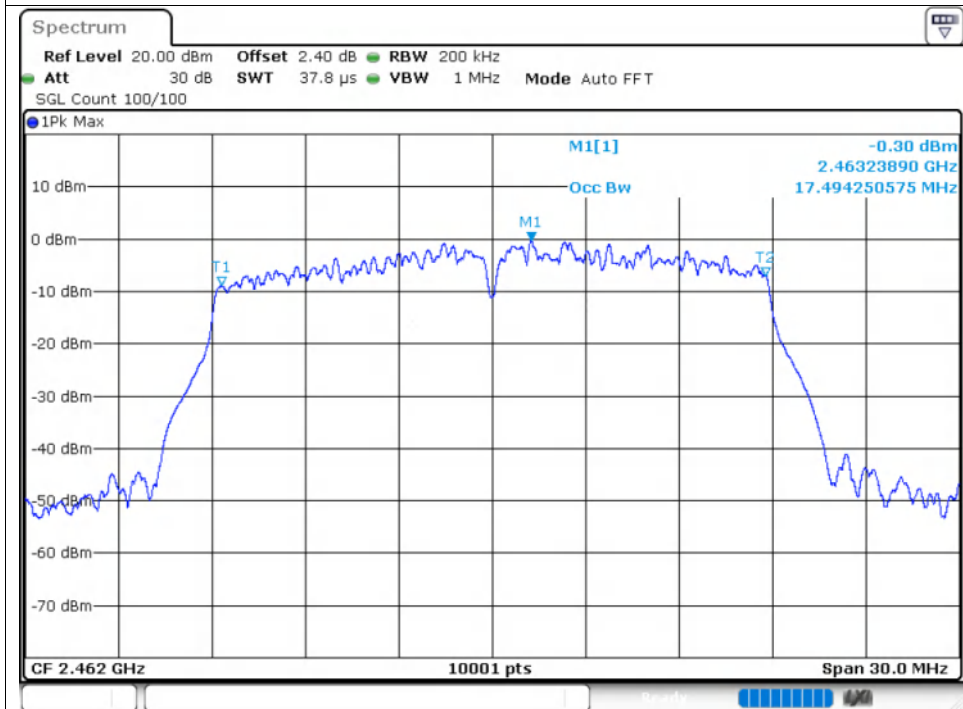
OBW NVNT n20 2437MHz Ant1



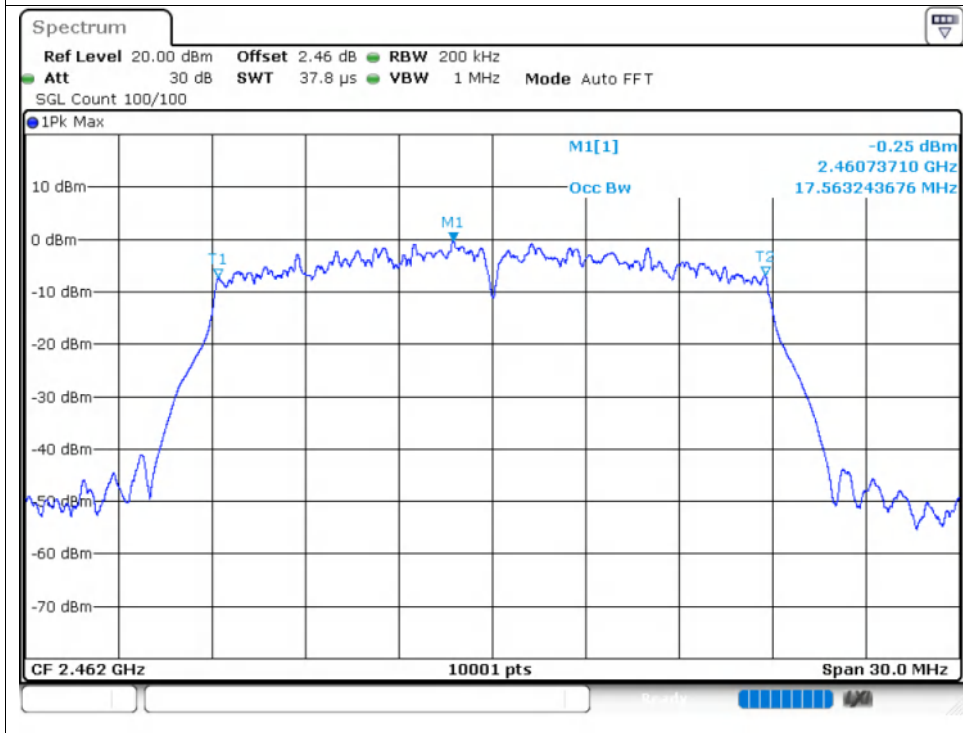
OBW NVNT n20 2437MHz Ant2



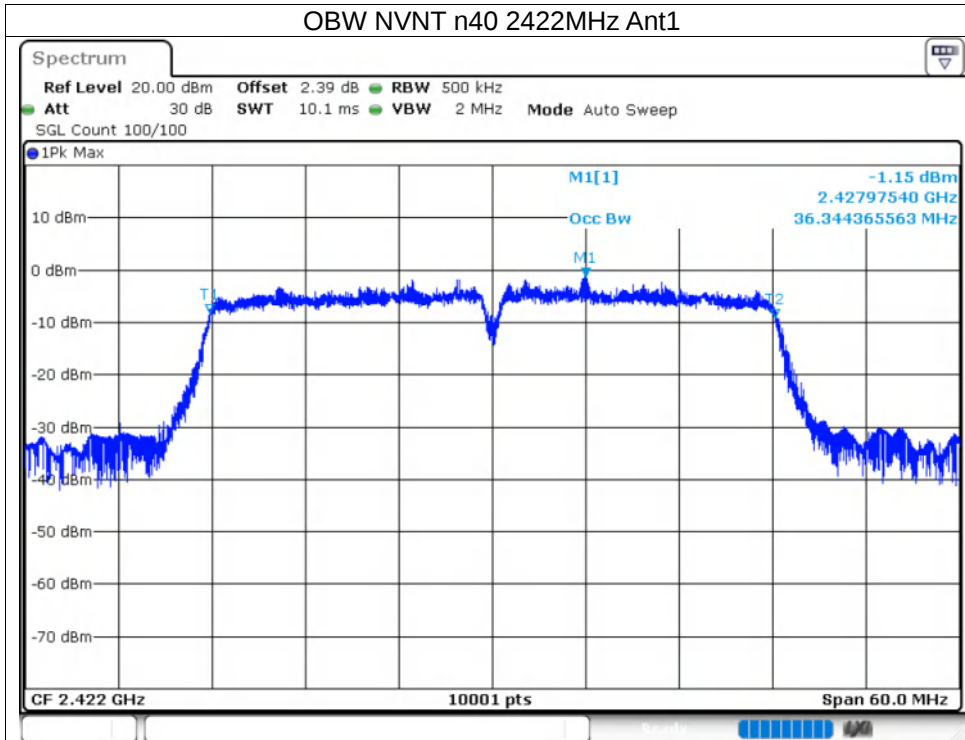
OBW NVNT n20 2462MHz Ant1



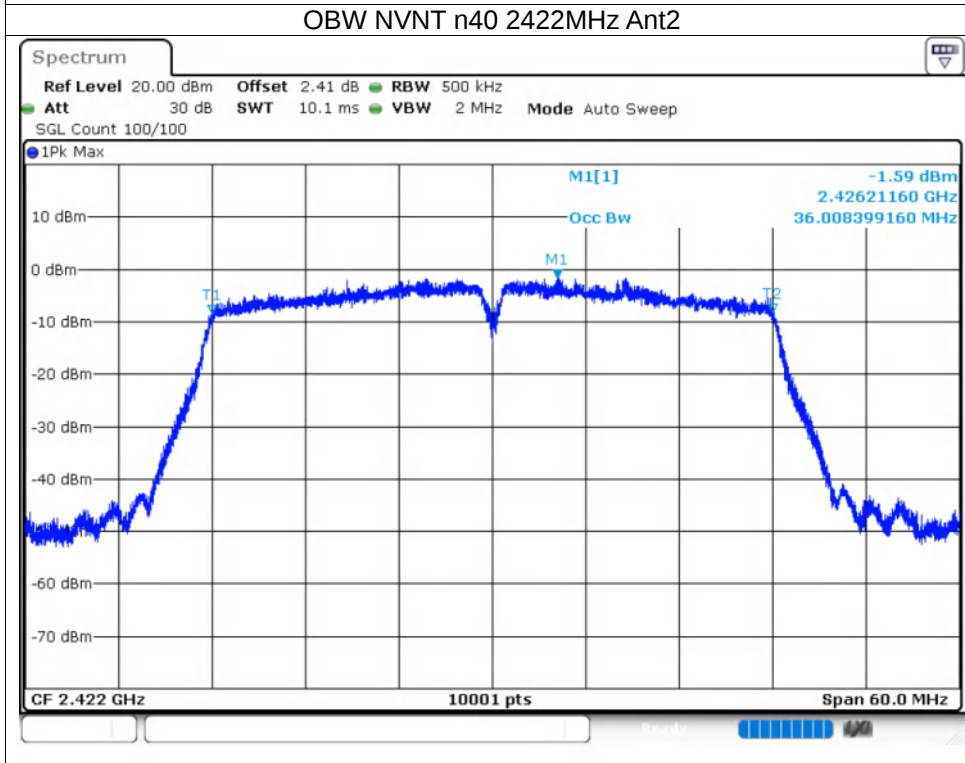
OBW NVNT n20 2462MHz Ant2



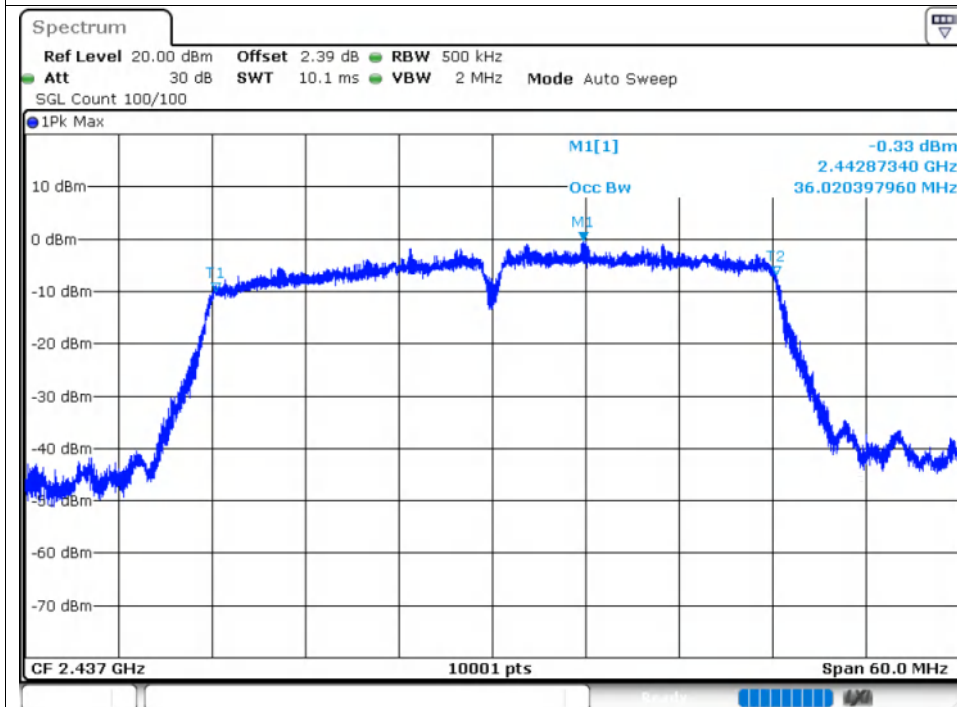
OBW NVNT n40 2422MHz Ant1



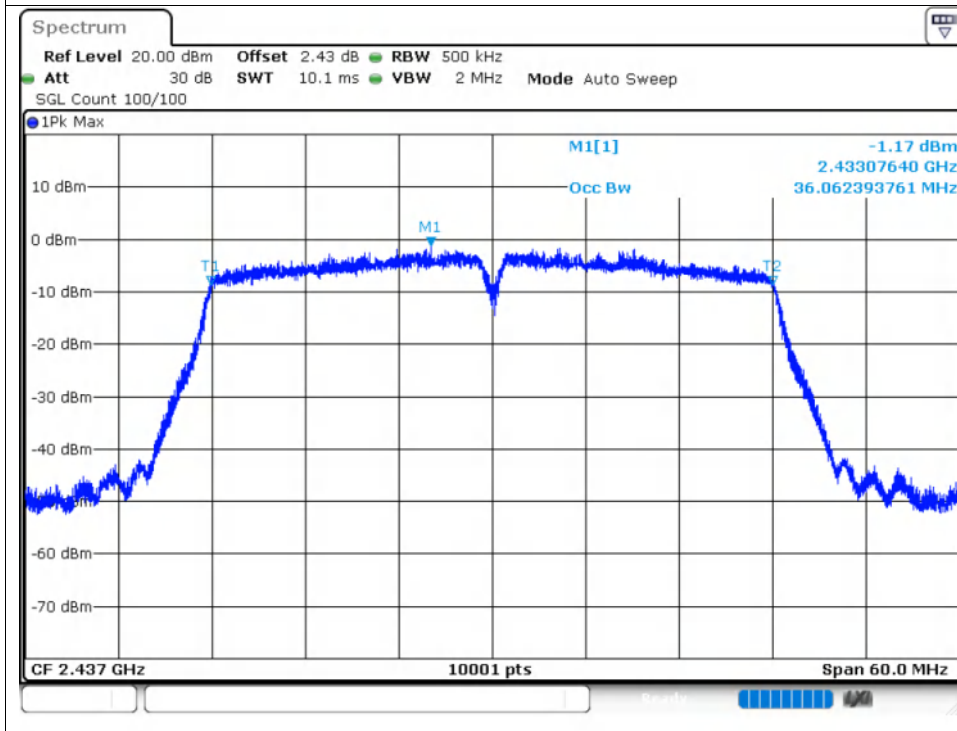
OBW NVNT n40 2422MHz Ant2



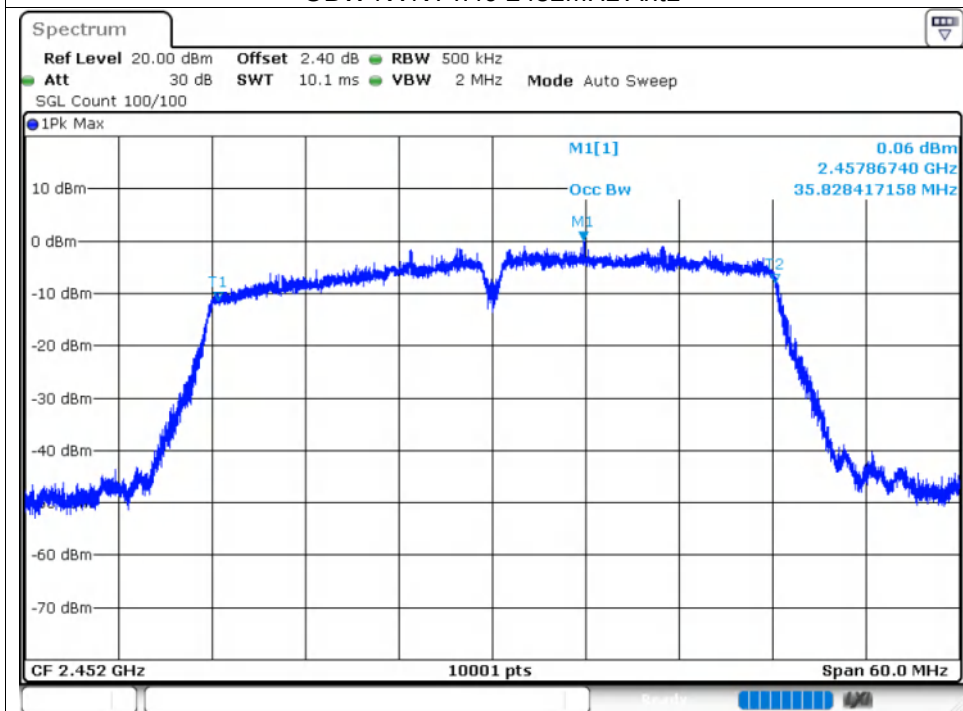
OBW NVNT n40 2437MHz Ant1



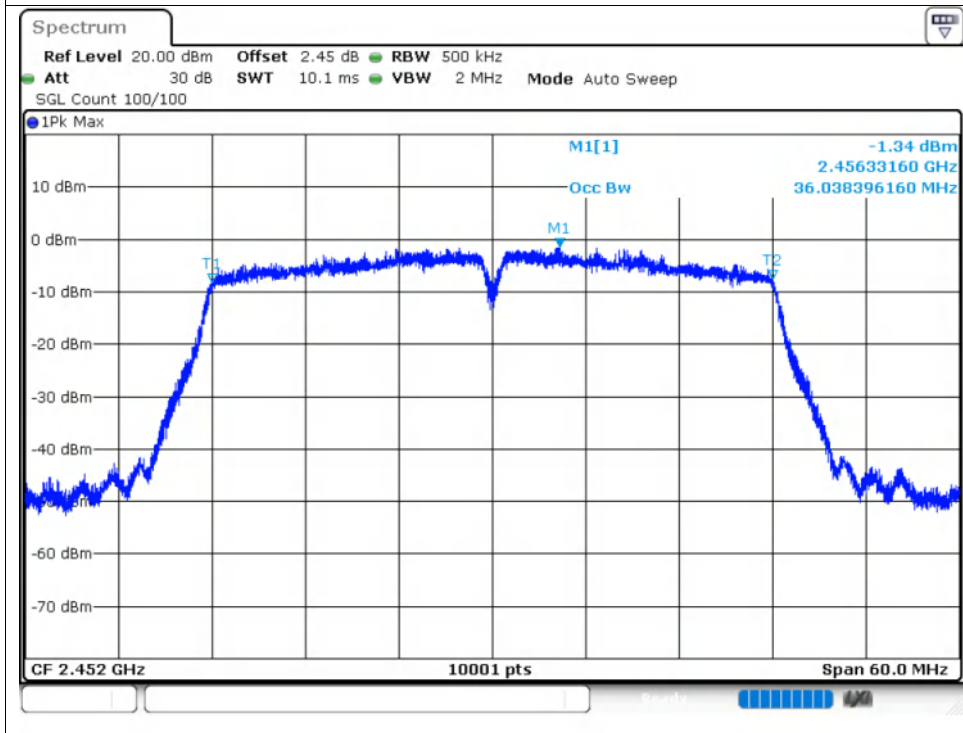
OBW NVNT n40 2437MHz Ant2



OBW NVNT n40 2452MHz Ant1

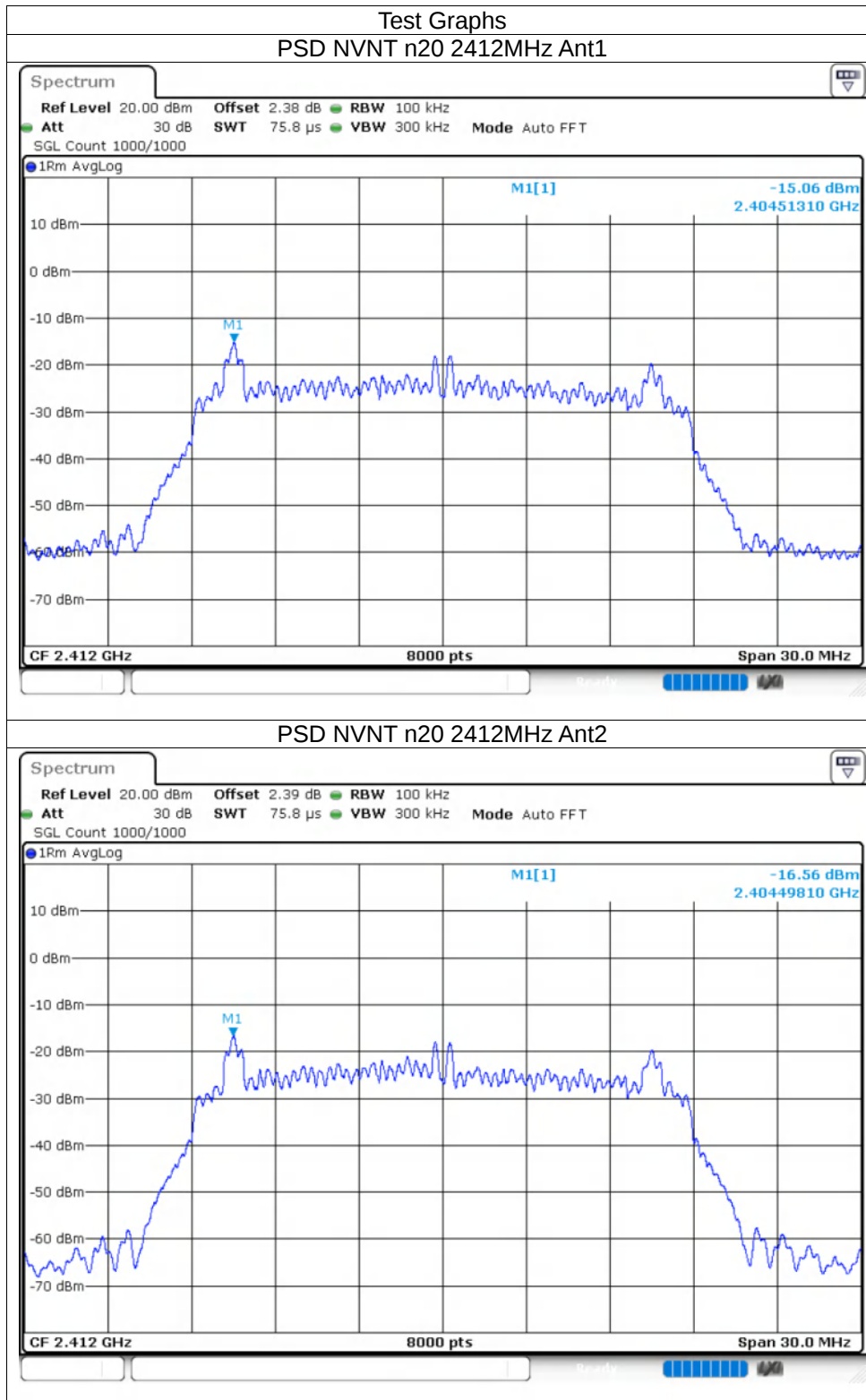


OBW NVNT n40 2452MHz Ant2

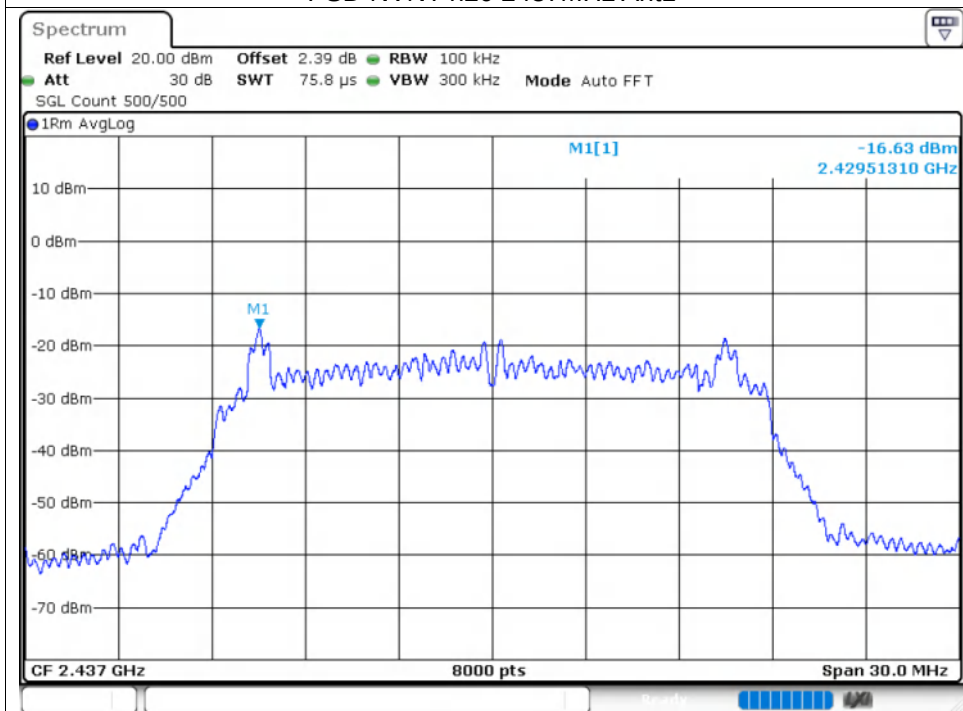


8.2.5 Maximum Power Spectral Density Level

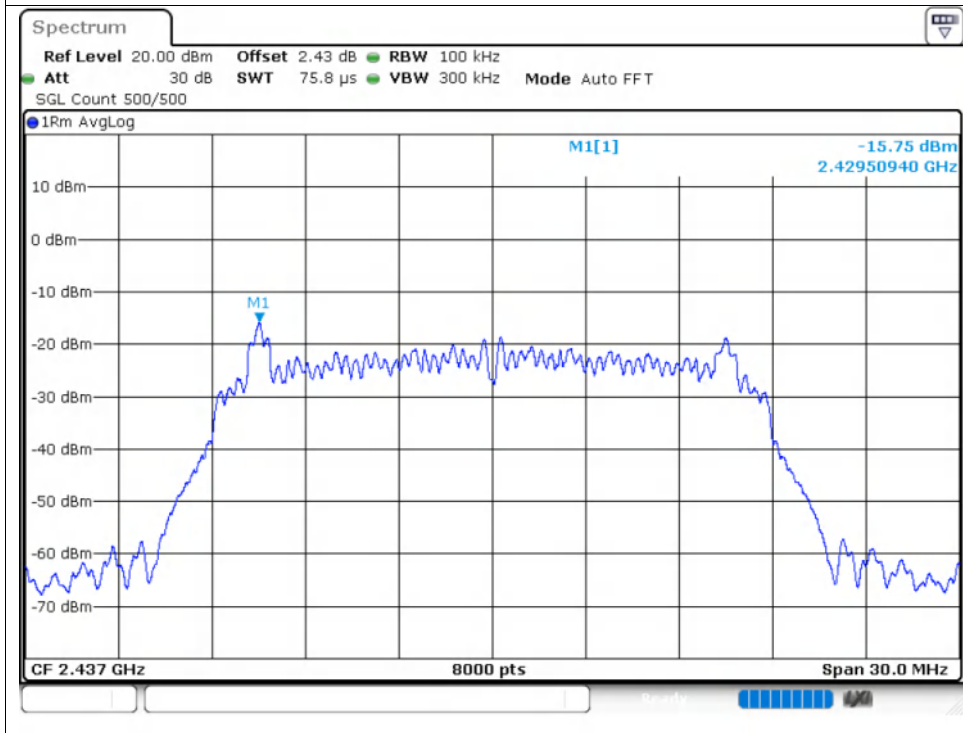
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	n20	2412	Ant1	-15.06	0.55	-14.51	8	Pass
NVNT	n20	2412	Ant2	-16.56	0.55	-16.01	8	Pass
NVNT	n20	2412	Sum	-12.74	0.55	-12.19	8	Pass
NVNT	n20	2437	Ant1	-16.63	0.55	-16.08	8	Pass
NVNT	n20	2437	Ant2	-15.75	0.55	-15.2	8	Pass
NVNT	n20	2437	Sum	-13.16	0.55	-12.61	8	Pass
NVNT	n20	2462	Ant1	-16.06	0.79	-15.27	8	Pass
NVNT	n20	2462	Ant2	-16.03	0.79	-15.24	8	Pass
NVNT	n20	2462	Sum	-13.03	0.79	-12.24	8	Pass
NVNT	n40	2422	Ant1	-23.62	1.17	-22.45	8	Pass
NVNT	n40	2422	Ant2	-22.21	1.17	-21.04	8	Pass
NVNT	n40	2422	Sum	-19.85	1.17	-18.68	8	Pass
NVNT	n40	2437	Ant1	-21.14	1.17	-19.97	8	Pass
NVNT	n40	2437	Ant2	-22.19	1.17	-21.02	8	Pass
NVNT	n40	2437	Sum	-18.62	1.17	-17.45	8	Pass
NVNT	n40	2452	Ant1	-23.14	1.16	-21.98	8	Pass
NVNT	n40	2452	Ant2	-22.52	1.16	-21.36	8	Pass
NVNT	n40	2452	Sum	-19.81	1.16	-18.65	8	Pass



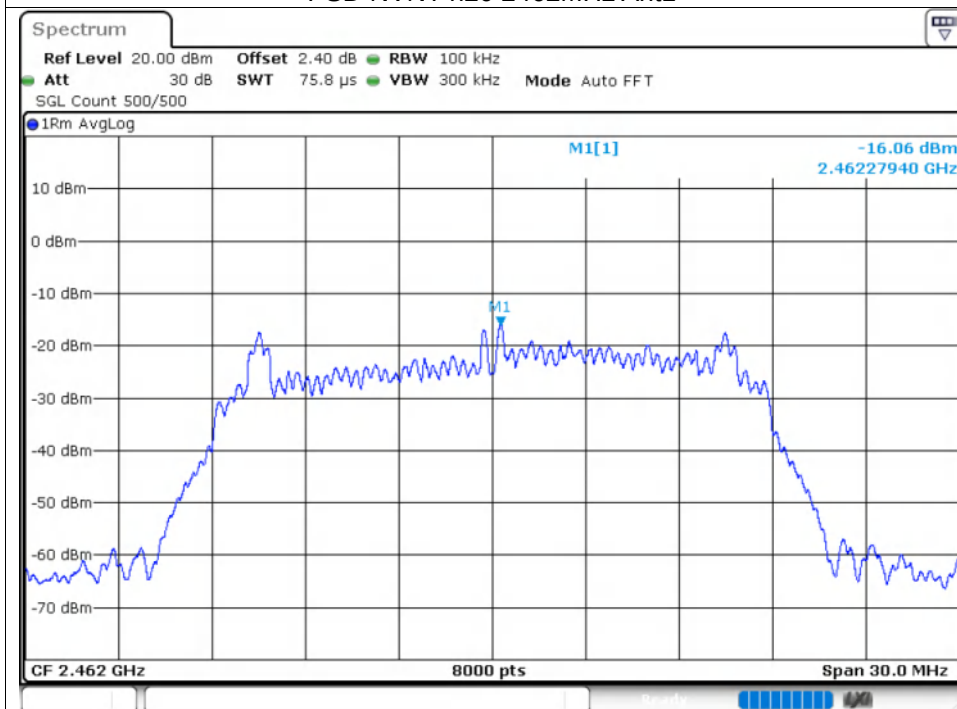
PSD NVNT n20 2437MHz Ant1



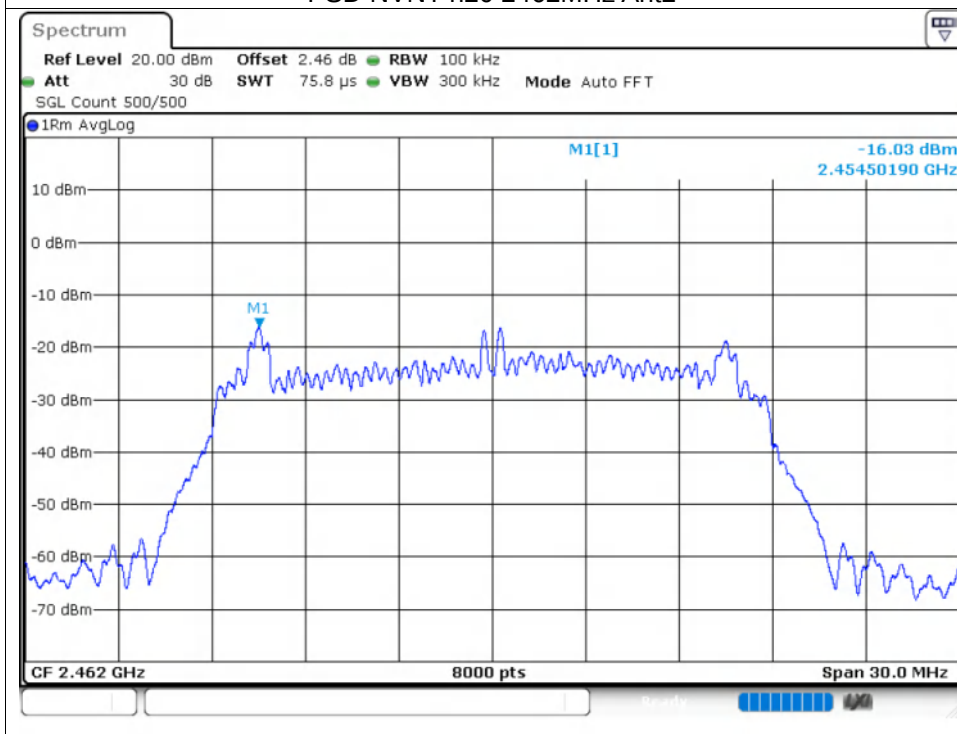
PSD NVNT n20 2437MHz Ant2



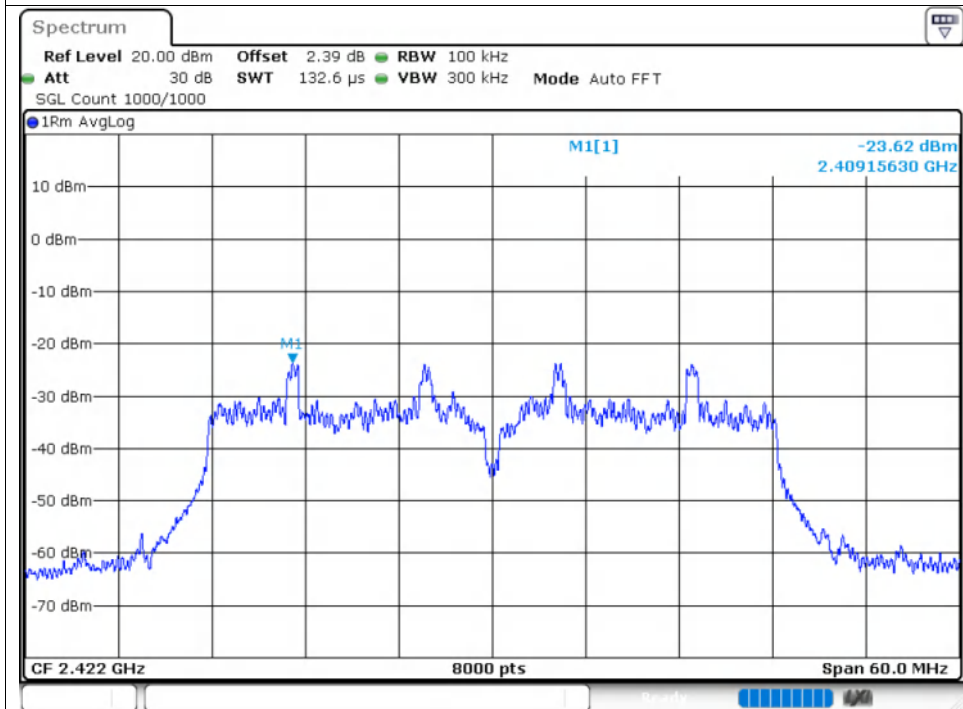
PSD NVNT n20 2462MHz Ant1



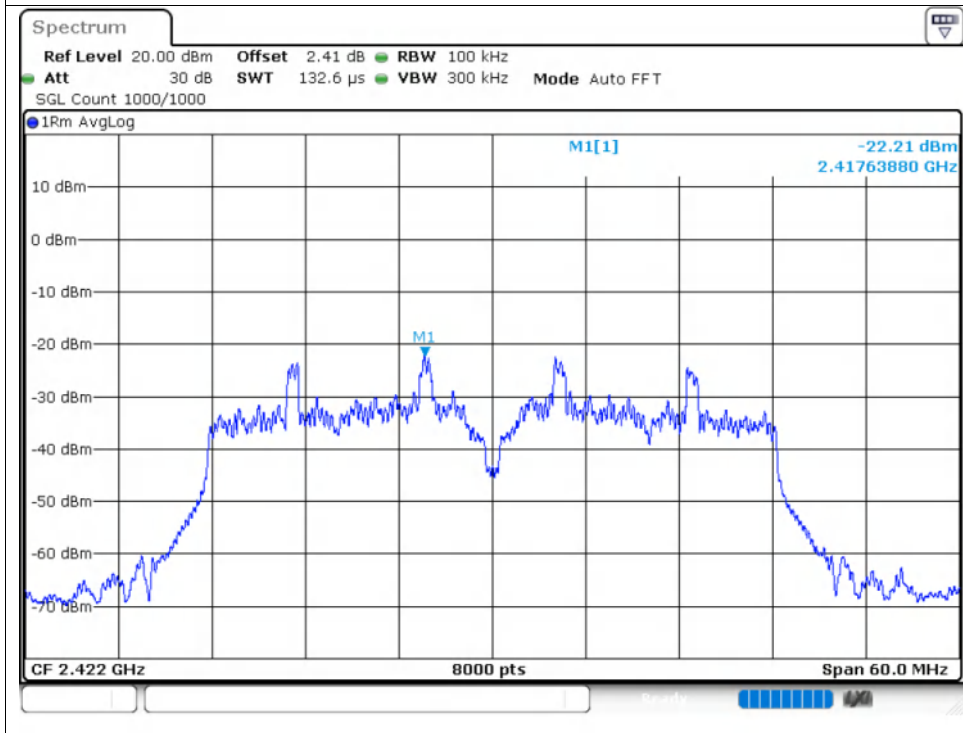
PSD NVNT n20 2462MHz Ant2



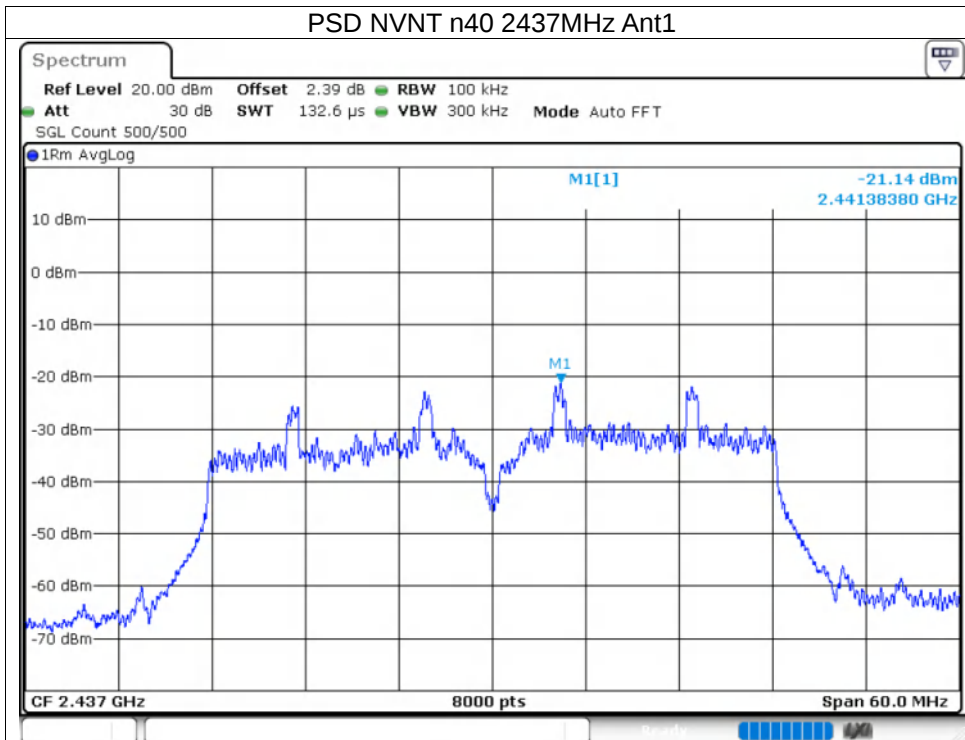
PSD NVNT n40 2422MHz Ant1



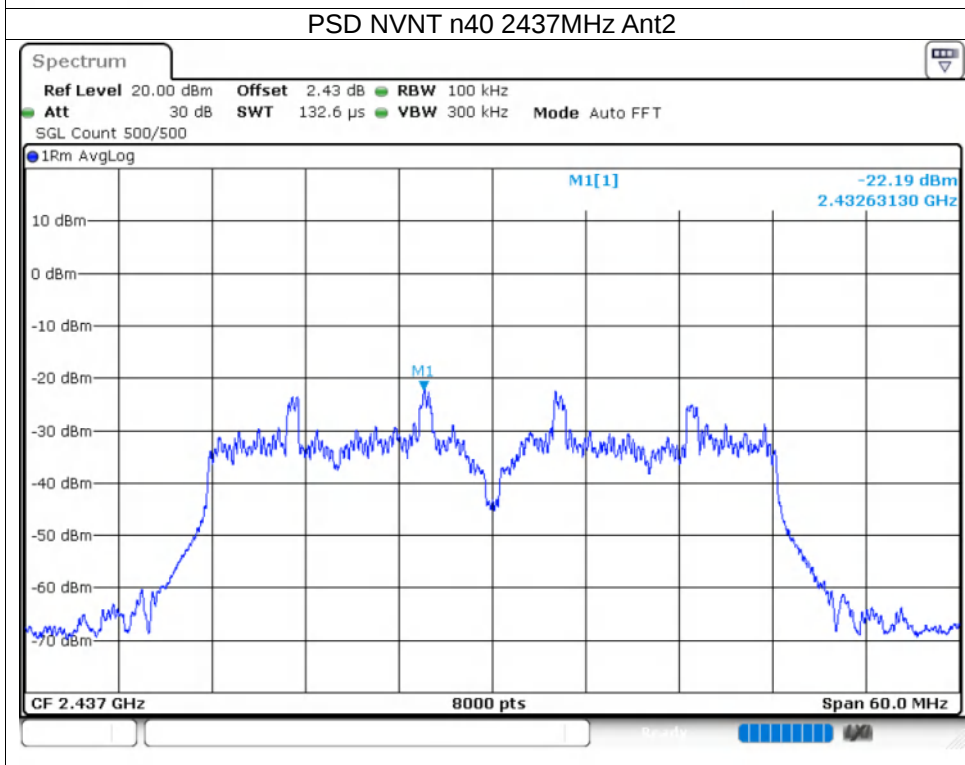
PSD NVNT n40 2422MHz Ant2



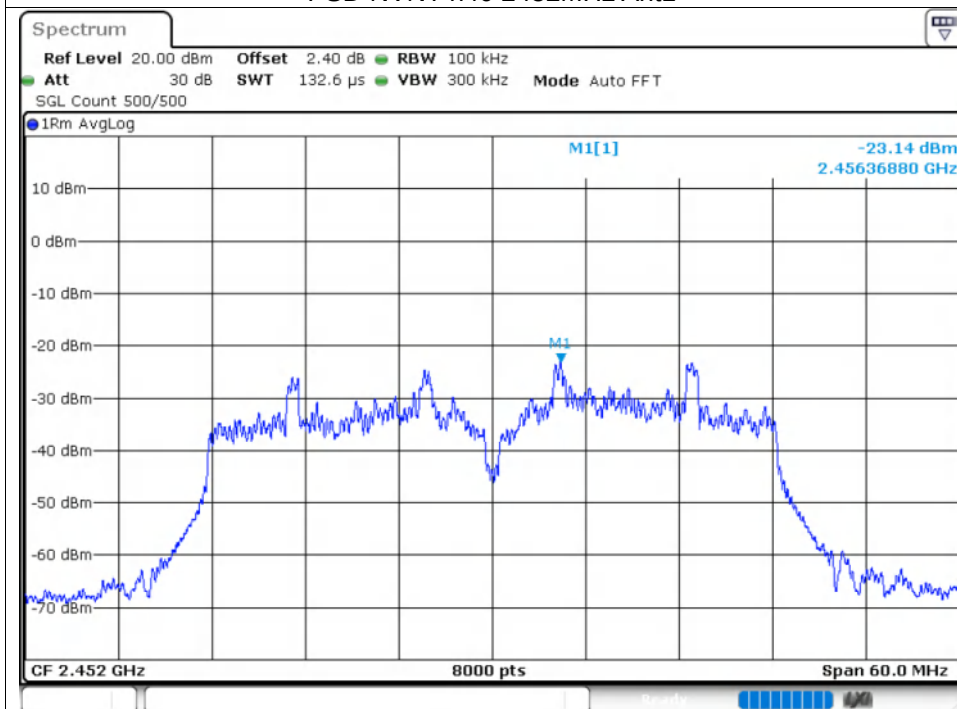
PSD NVNT n40 2437MHz Ant1



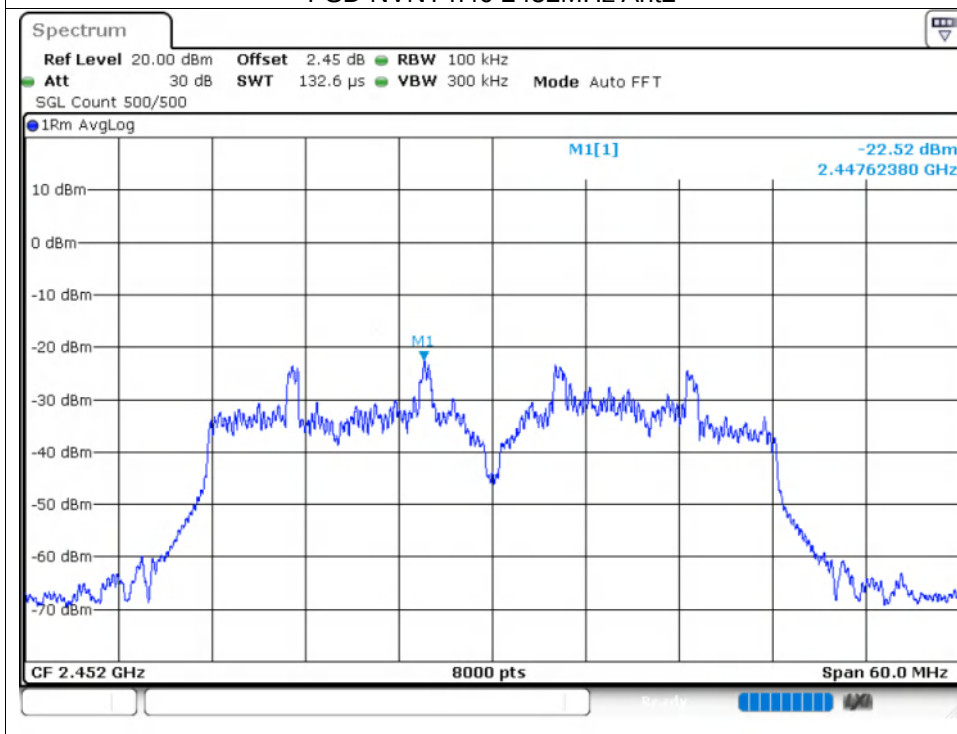
PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant1

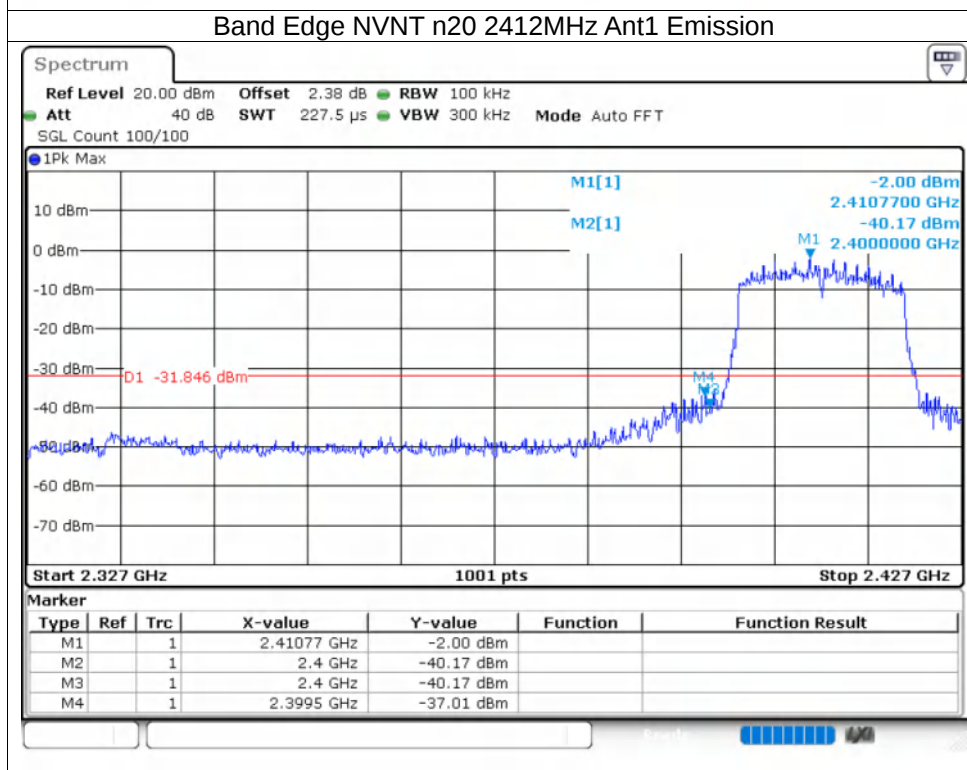
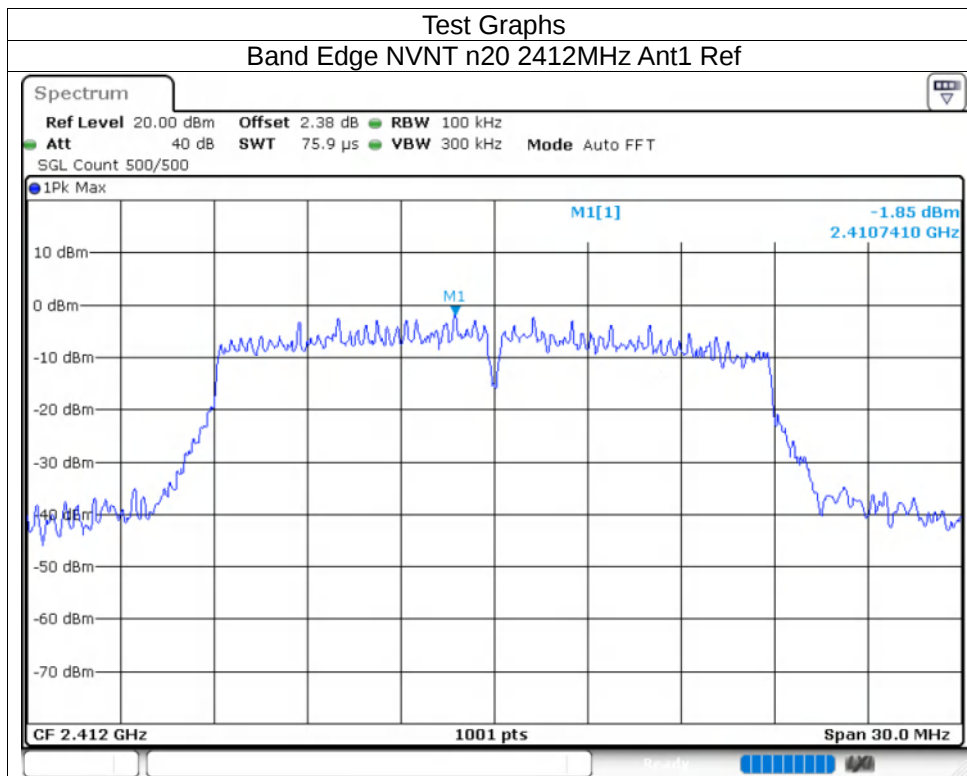


PSD NVNT n40 2452MHz Ant2

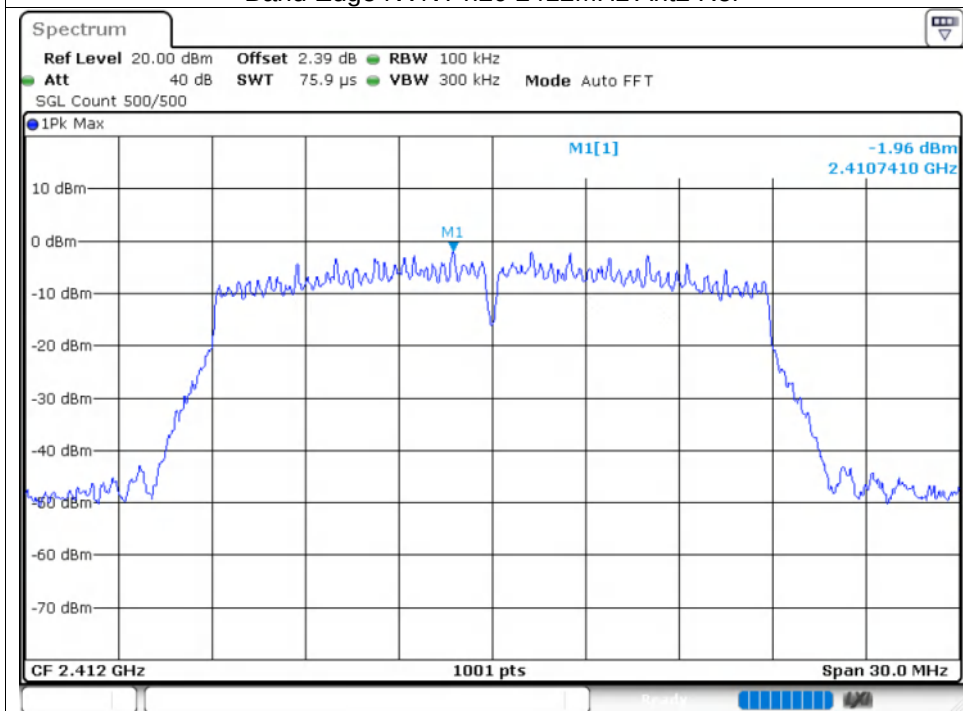


8.2.6 Band Edge

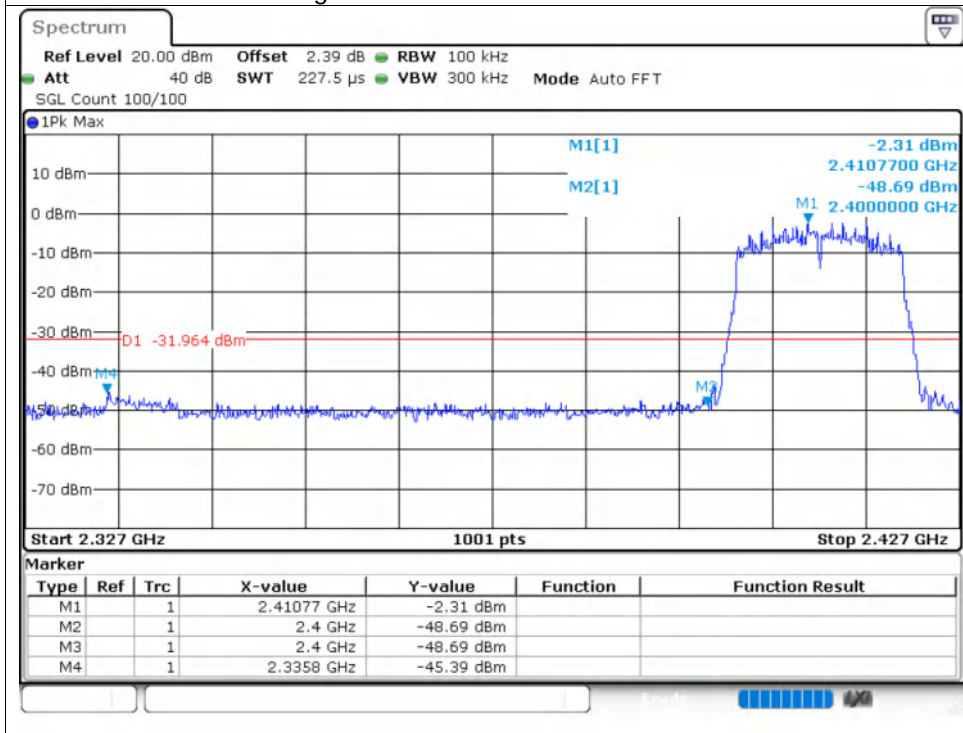
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	n20	2412	Ant1	-35.16	-30	Pass
NVNT	n20	2412	Ant2	-43.43	-30	Pass
NVNT	n20	2462	Ant1	-52.2	-30	Pass
NVNT	n20	2462	Ant2	-53.75	-30	Pass
NVNT	n40	2422	Ant1	-31.48	-30	Pass
NVNT	n40	2422	Ant2	-40.67	-30	Pass
NVNT	n40	2452	Ant1	-45.23	-30	Pass
NVNT	n40	2452	Ant2	-46.16	-30	Pass



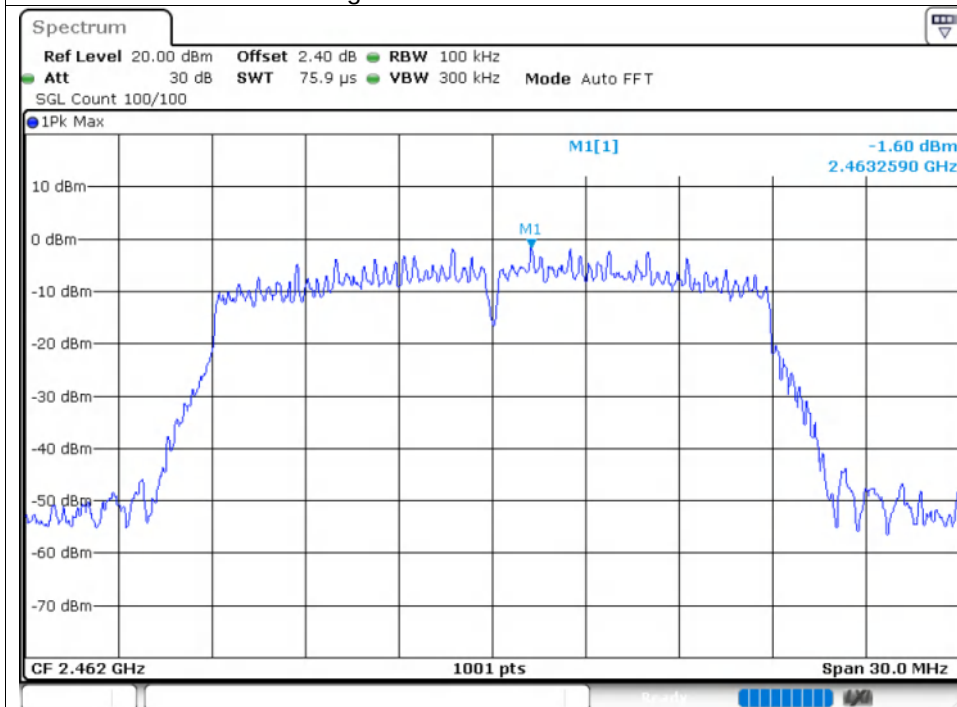
Band Edge NVNT n20 2412MHz Ant2 Ref



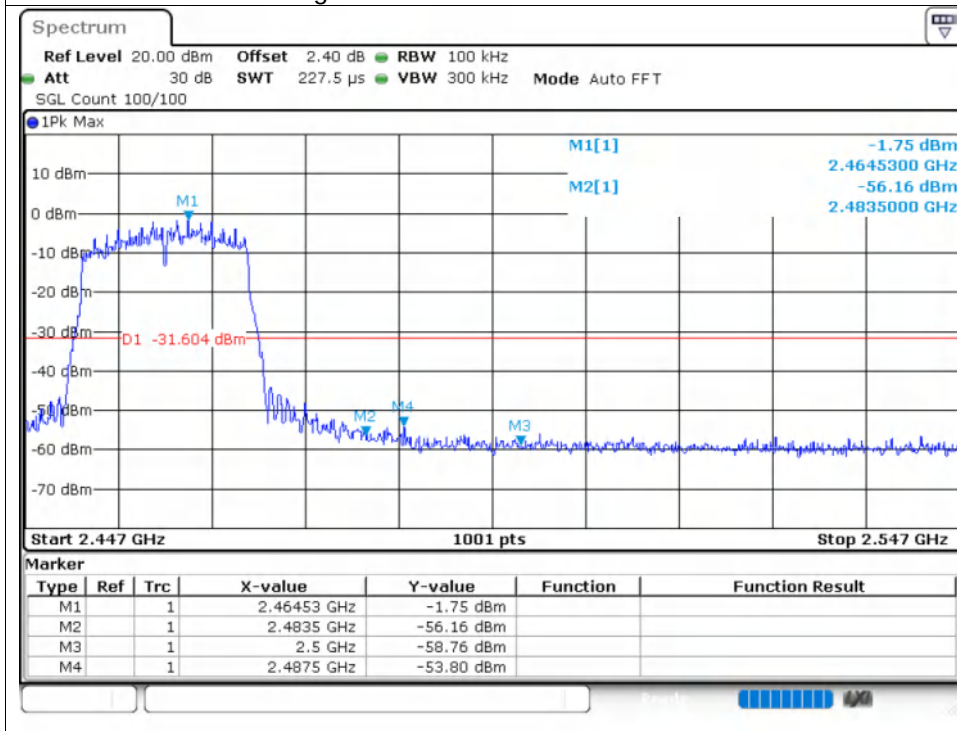
Band Edge NVNT n20 2412MHz Ant2 Emission



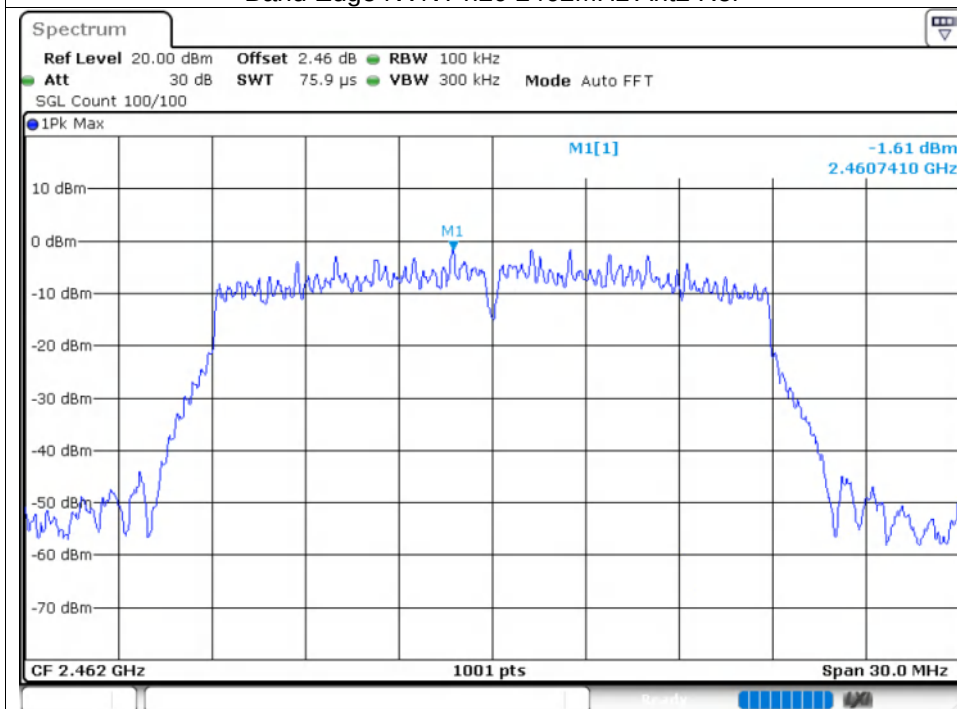
Band Edge NVNT n20 2462MHz Ant1 Ref



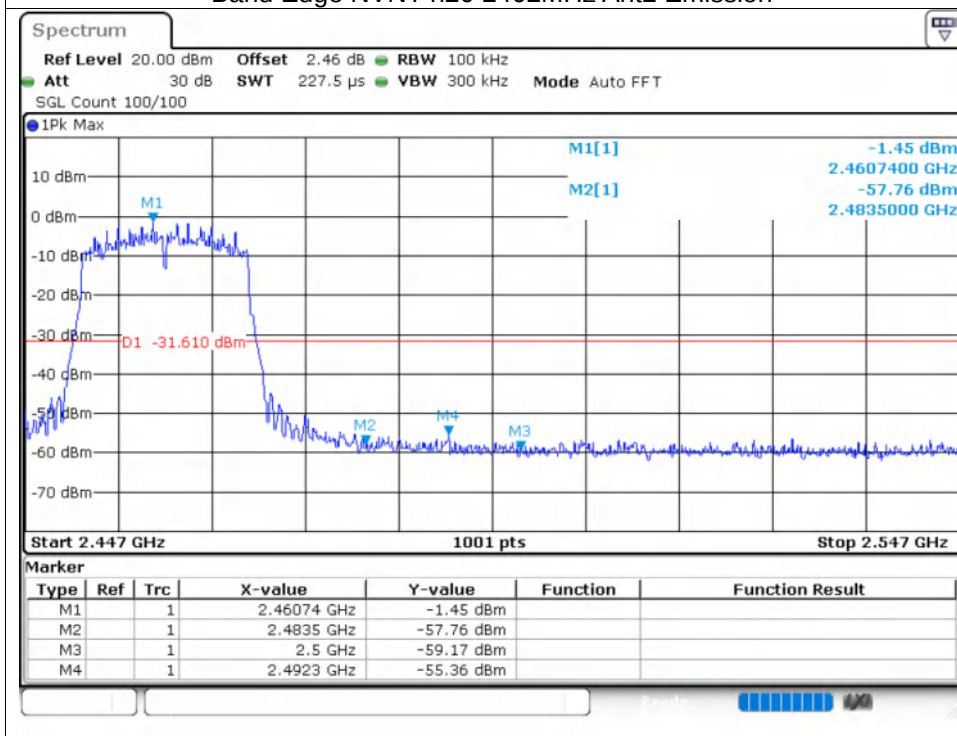
Band Edge NVNT n20 2462MHz Ant1 Emission



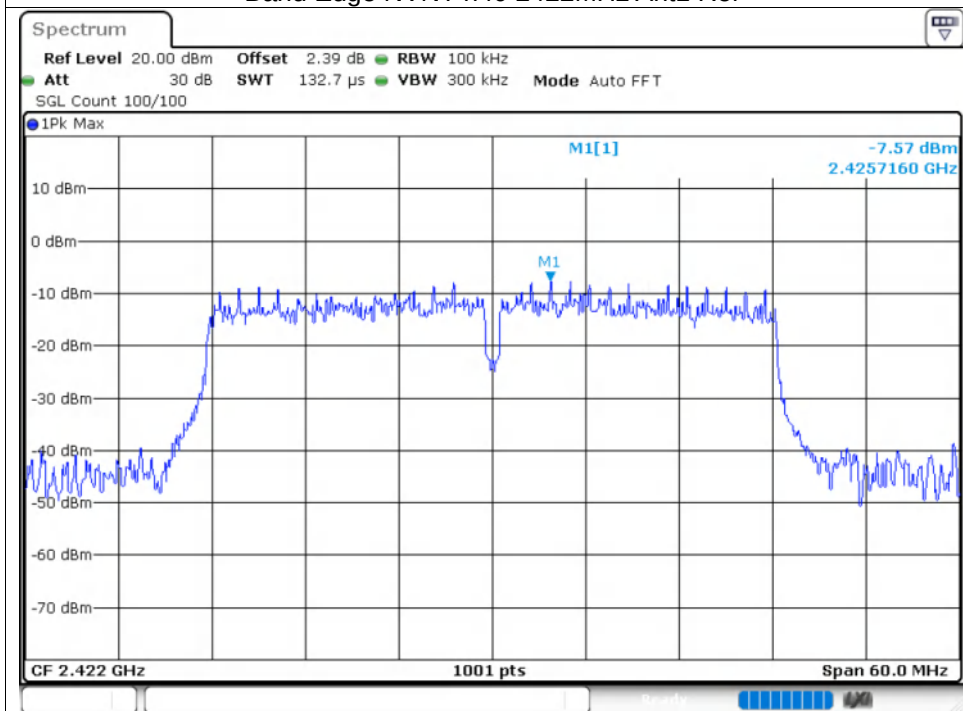
Band Edge NVNT n20 2462MHz Ant2 Ref



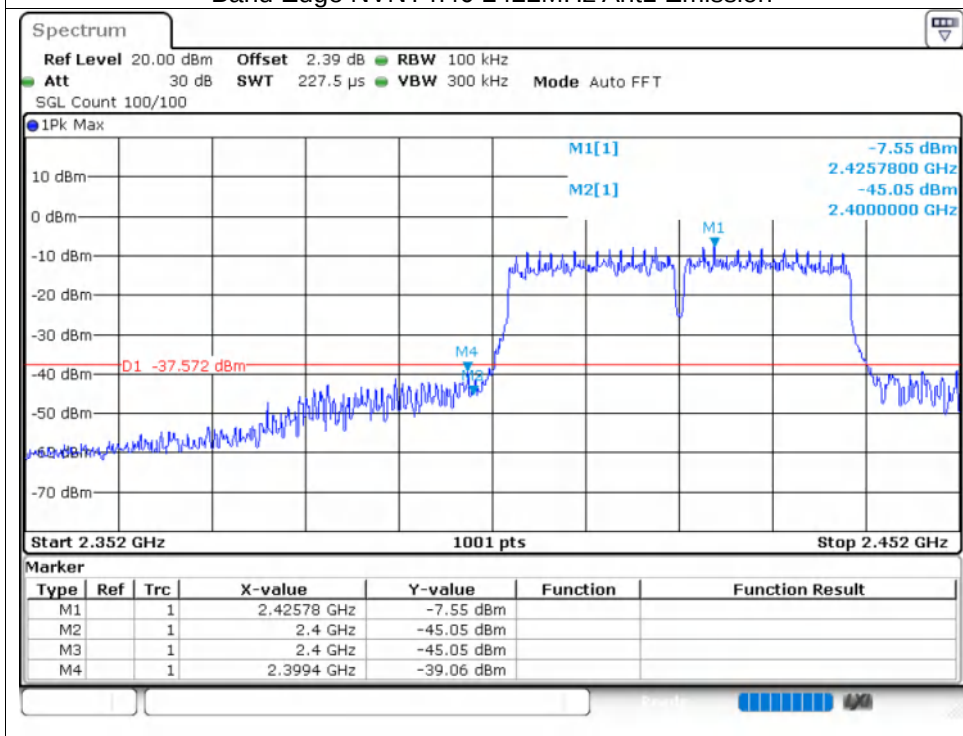
Band Edge NVNT n20 2462MHz Ant2 Emission



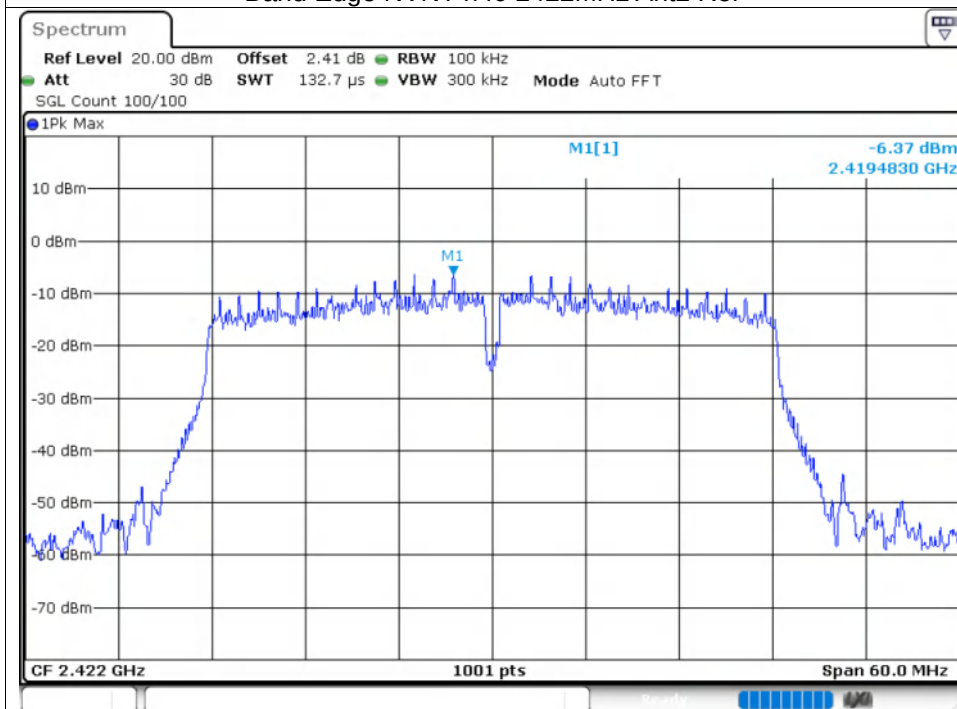
Band Edge NVNT n40 2422MHz Ant1 Ref



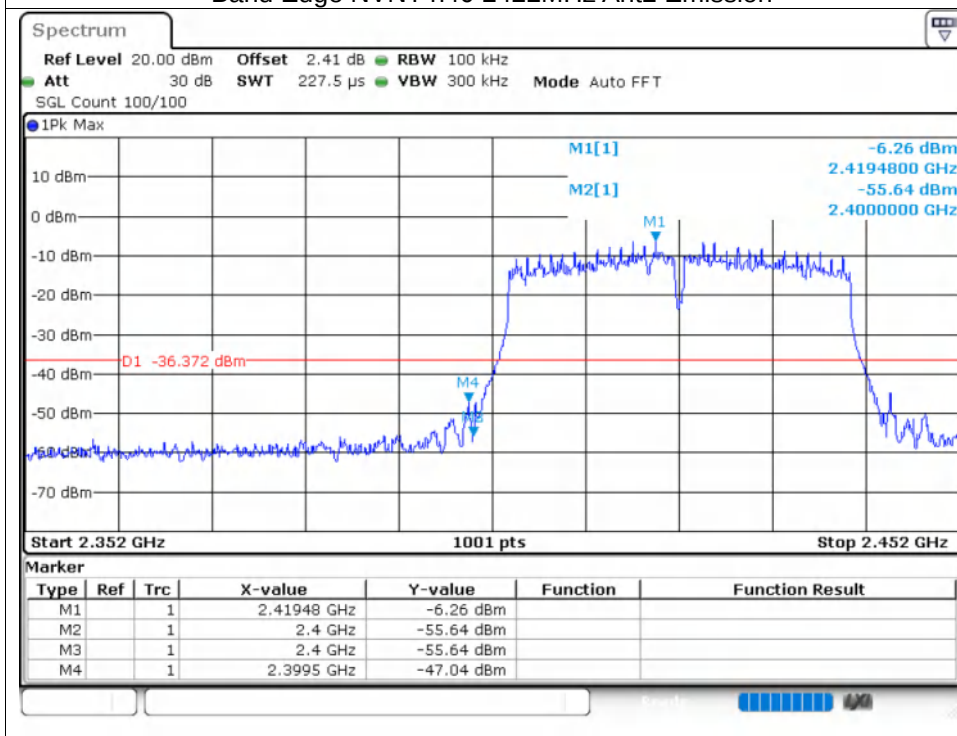
Band Edge NVNT n40 2422MHz Ant1 Emission



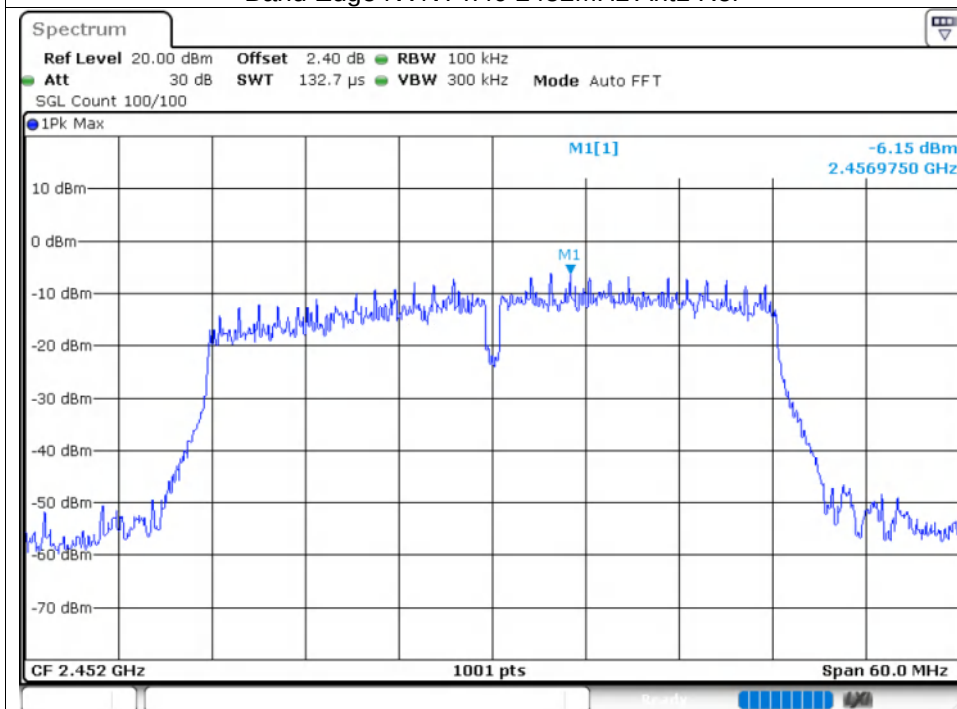
Band Edge NVNT n40 2422MHz Ant2 Ref



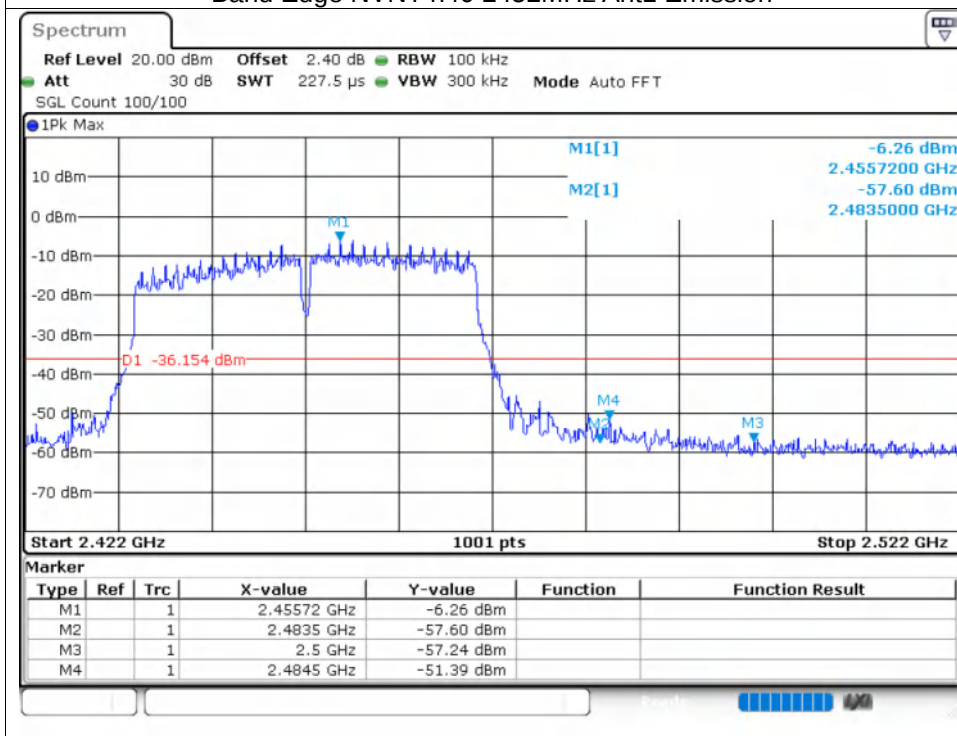
Band Edge NVNT n40 2422MHz Ant2 Emission



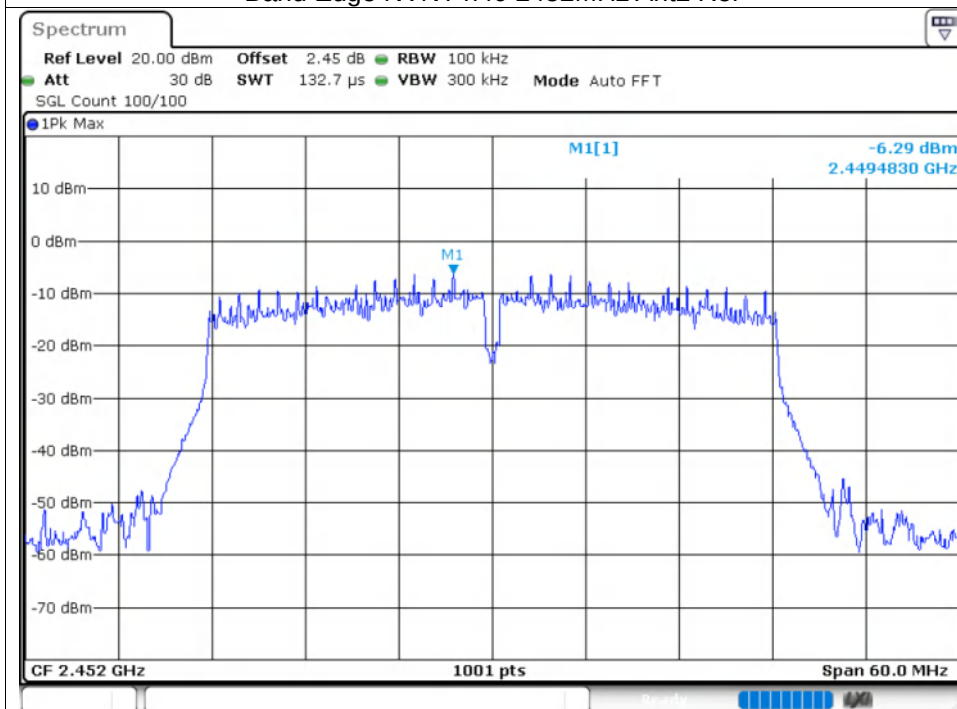
Band Edge NVNT n40 2452MHz Ant1 Ref



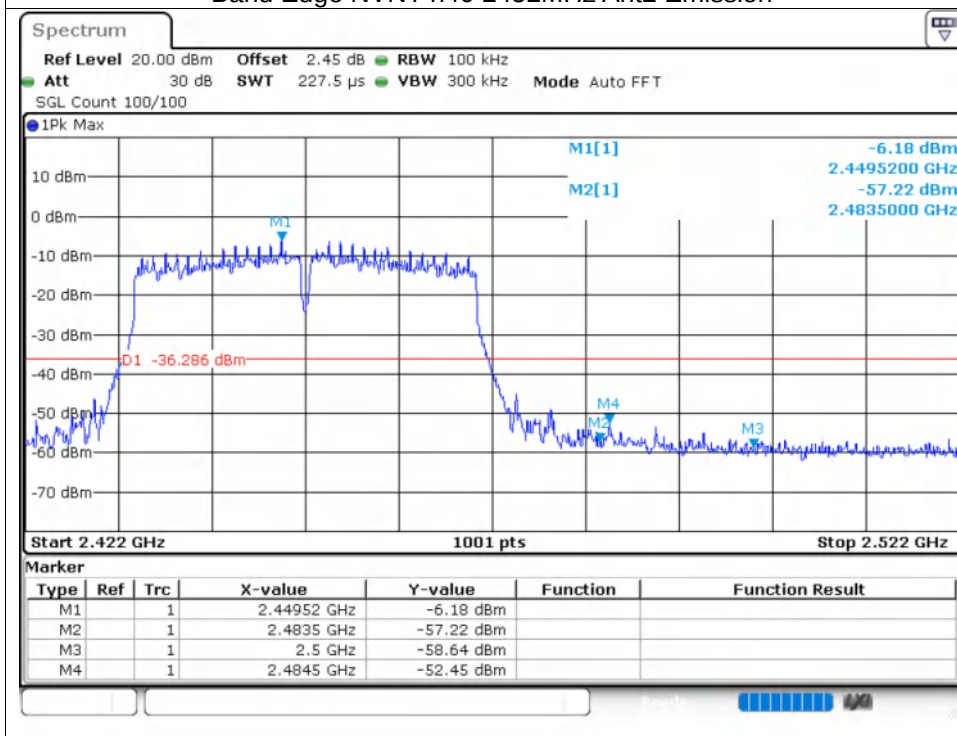
Band Edge NVNT n40 2452MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission

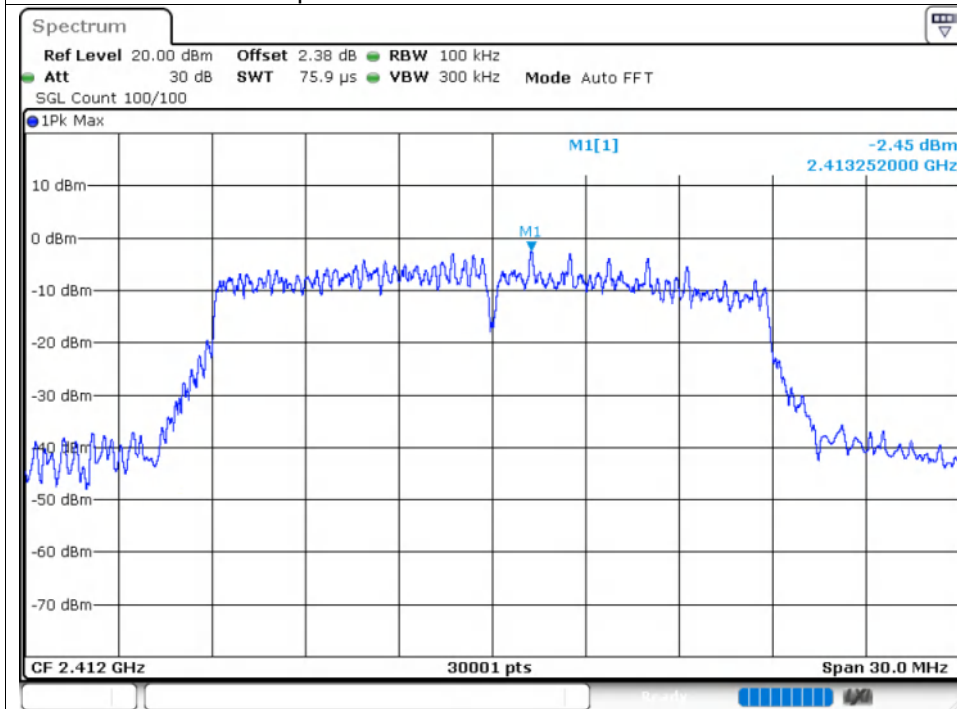


8.2.7 Conducted RF Spurious Emission

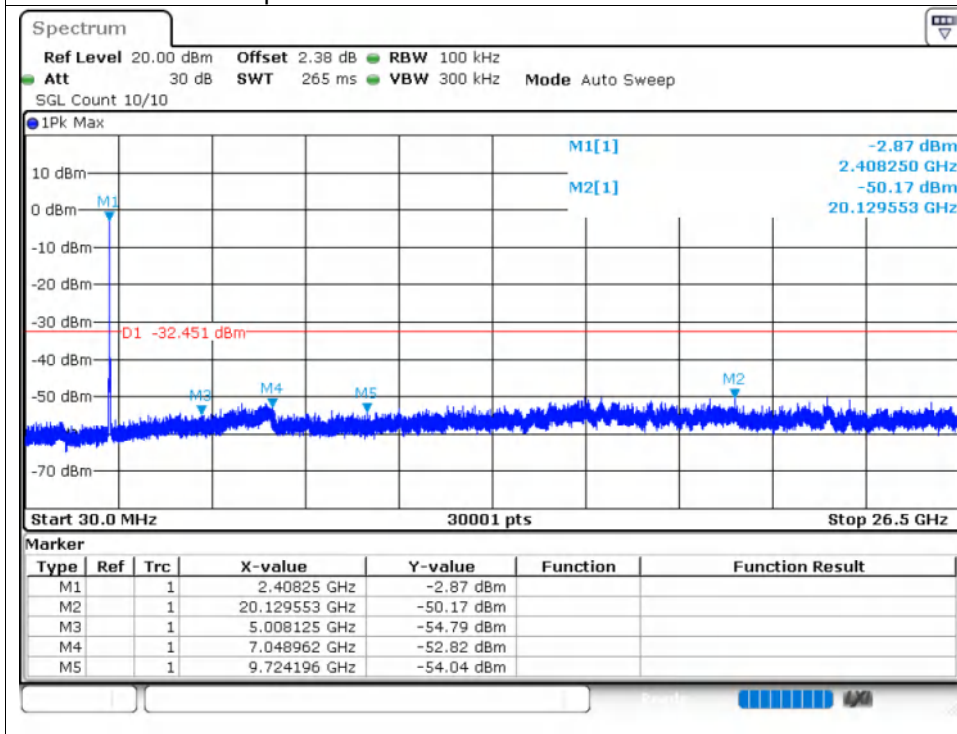
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	n20	2412	Ant1	-47.72	-30	Pass
NVNT	n20	2412	Ant2	-48.61	-30	Pass
NVNT	n20	2437	Ant1	-48.81	-30	Pass
NVNT	n20	2437	Ant2	-48.89	-30	Pass
NVNT	n20	2462	Ant1	-48.99	-30	Pass
NVNT	n20	2462	Ant2	-49.17	-30	Pass
NVNT	n40	2422	Ant1	-41.54	-30	Pass
NVNT	n40	2422	Ant2	-44.18	-30	Pass
NVNT	n40	2437	Ant1	-43.86	-30	Pass
NVNT	n40	2437	Ant2	-44.29	-30	Pass
NVNT	n40	2452	Ant1	-44.35	-30	Pass
NVNT	n40	2452	Ant2	-44.21	-30	Pass

Test Graphs

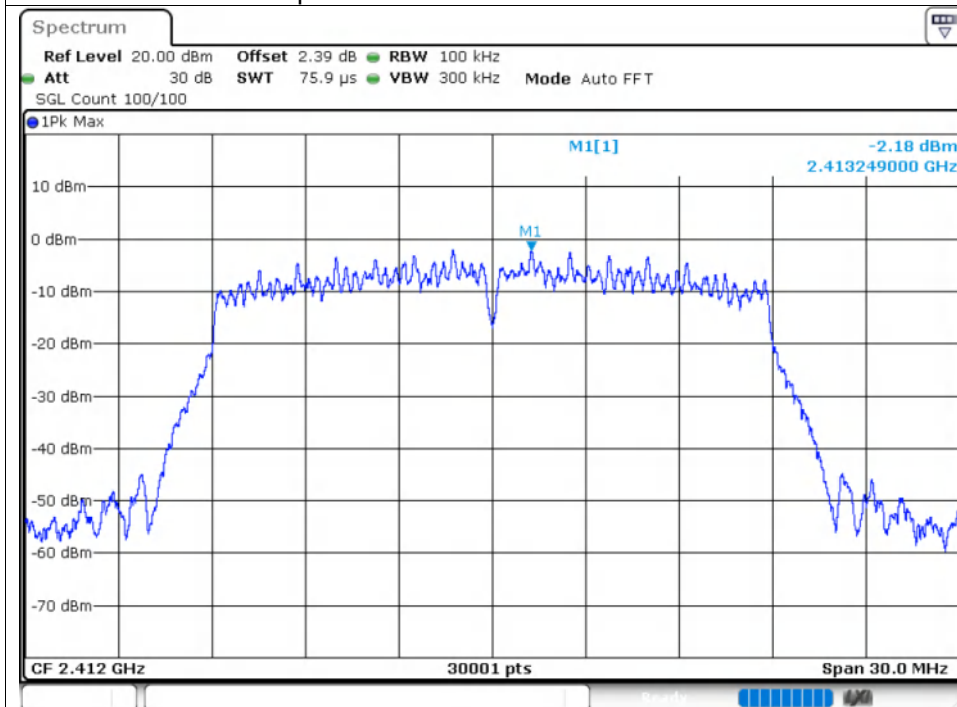
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



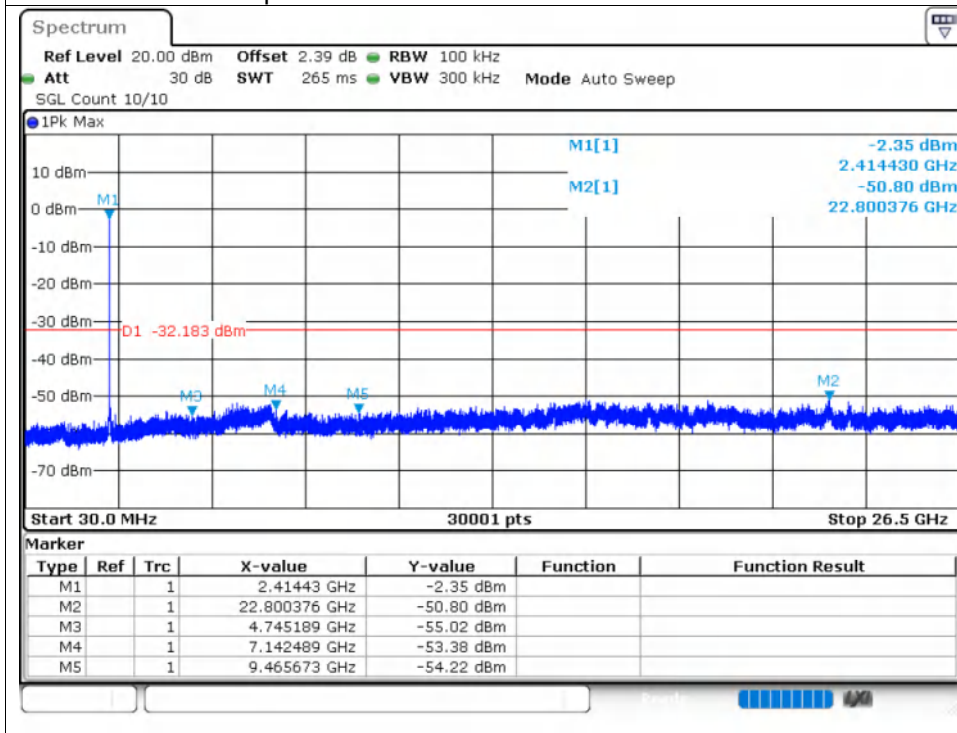
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



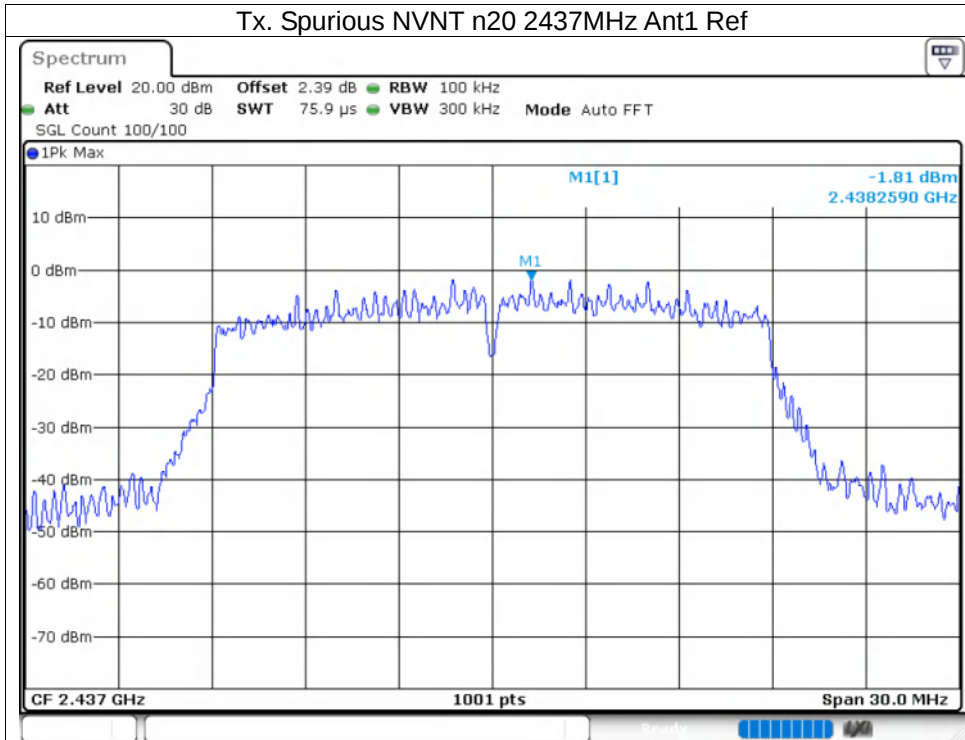
Tx. Spurious NVNT n20 2412MHz Ant2 Ref



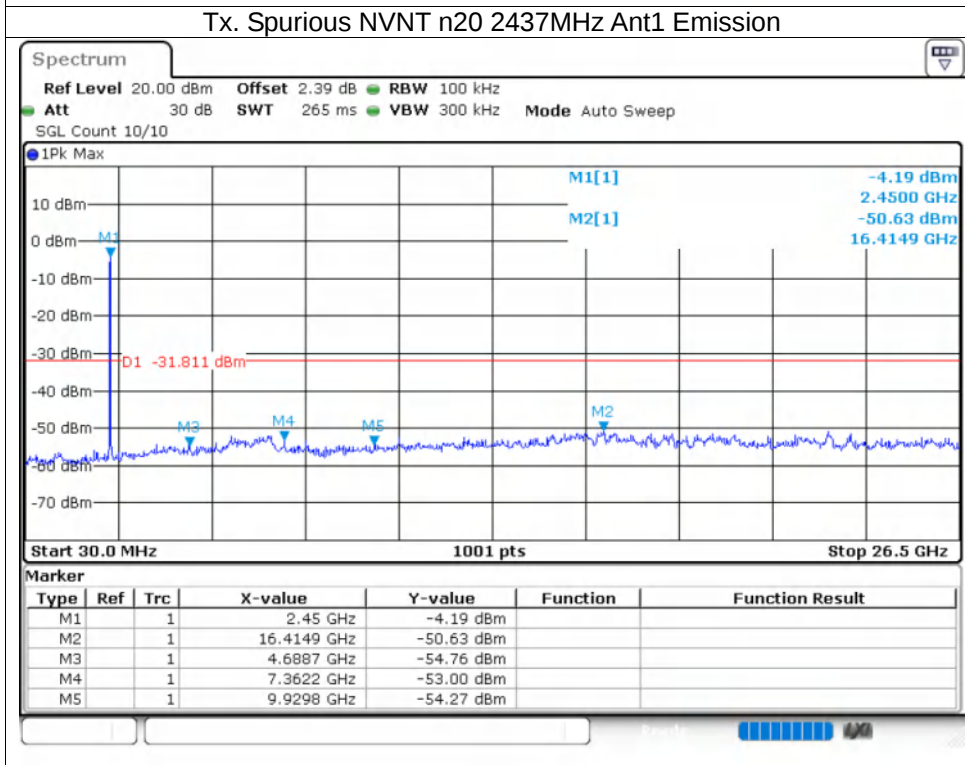
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



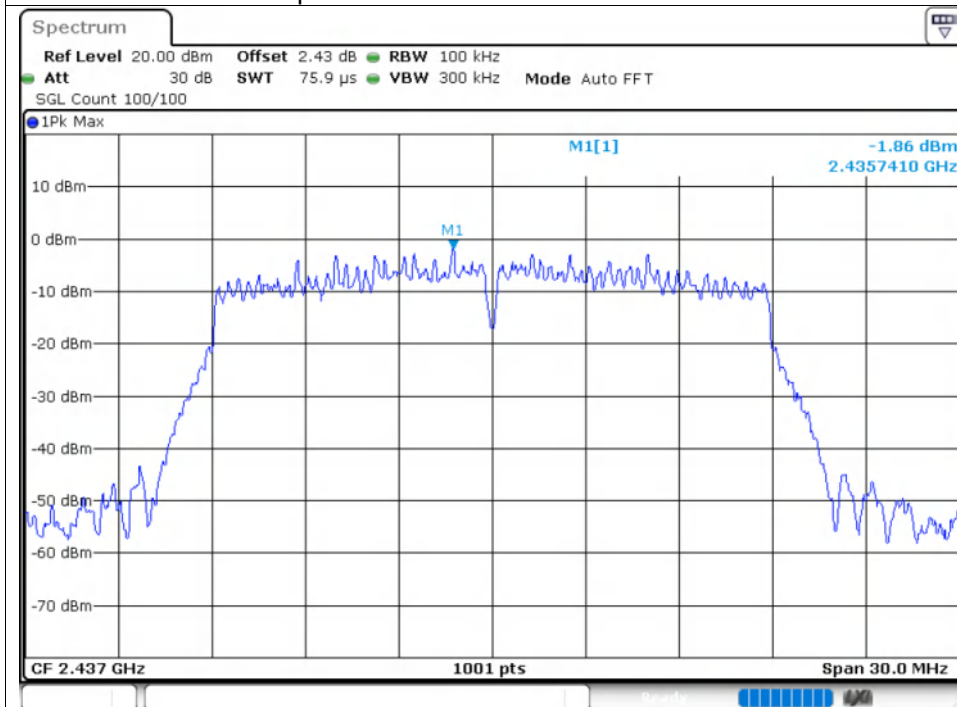
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



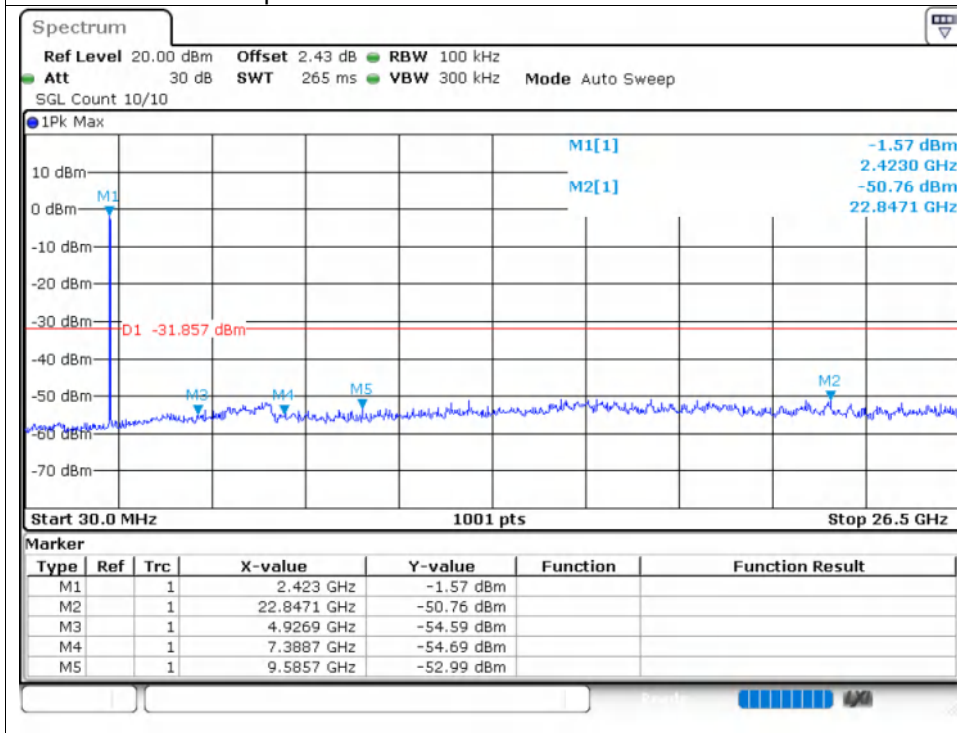
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



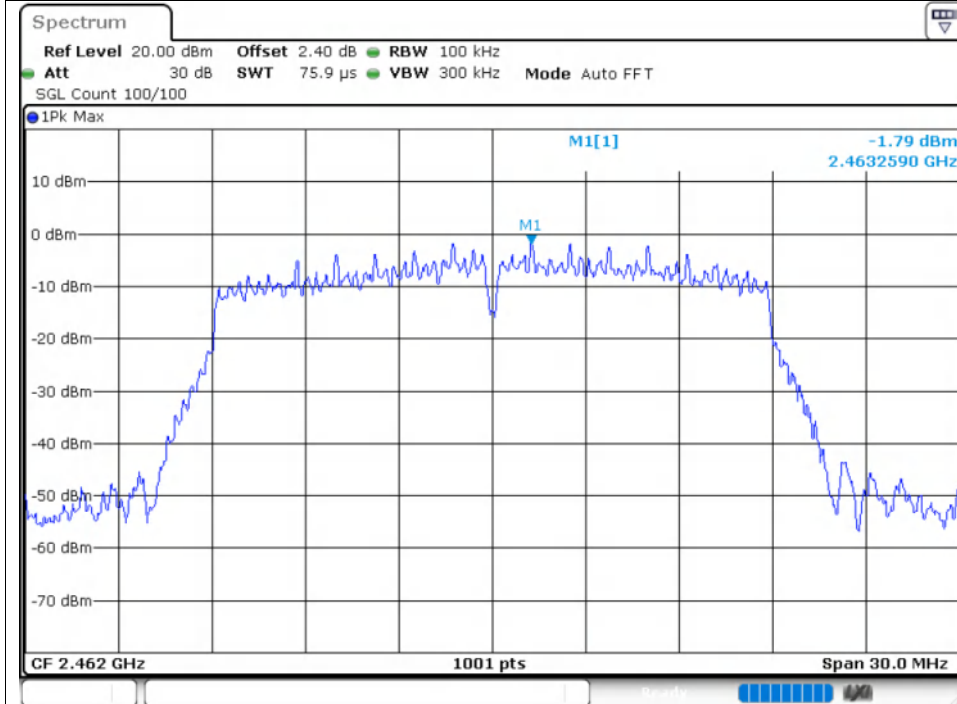
Tx. Spurious NVNT n20 2437MHz Ant2 Ref



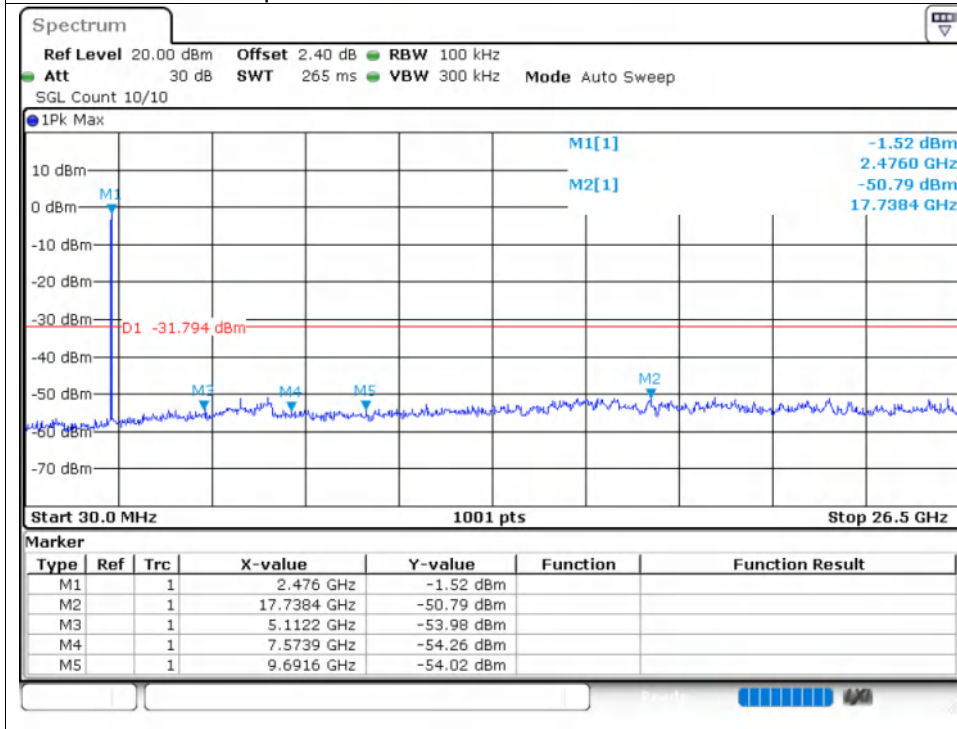
Tx. Spurious NVNT n20 2437MHz Ant2 Emission



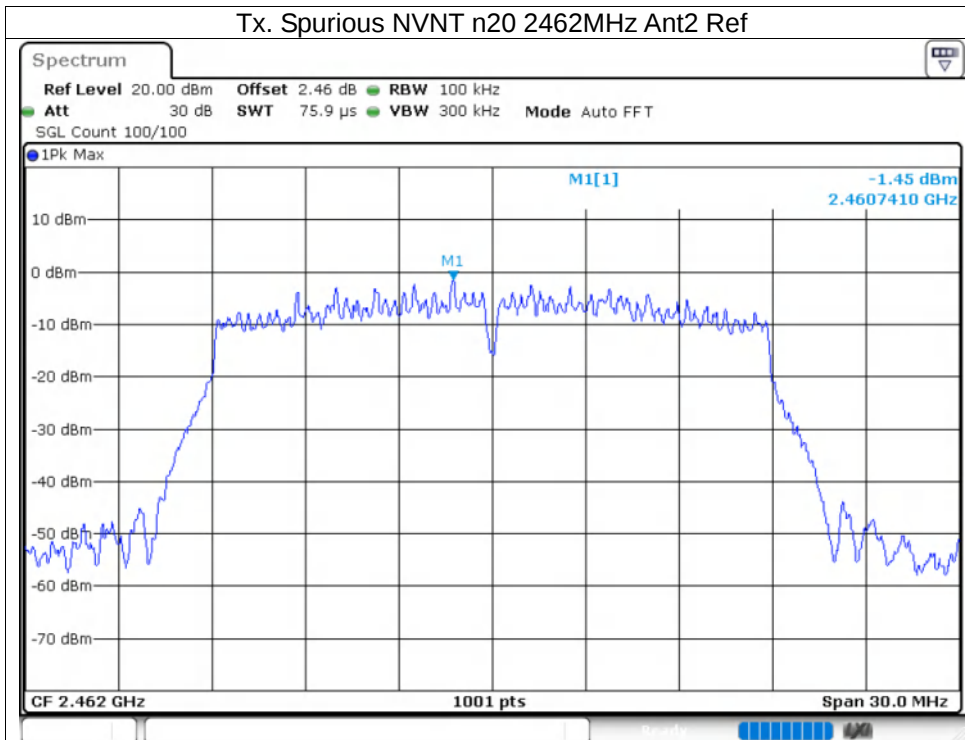
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



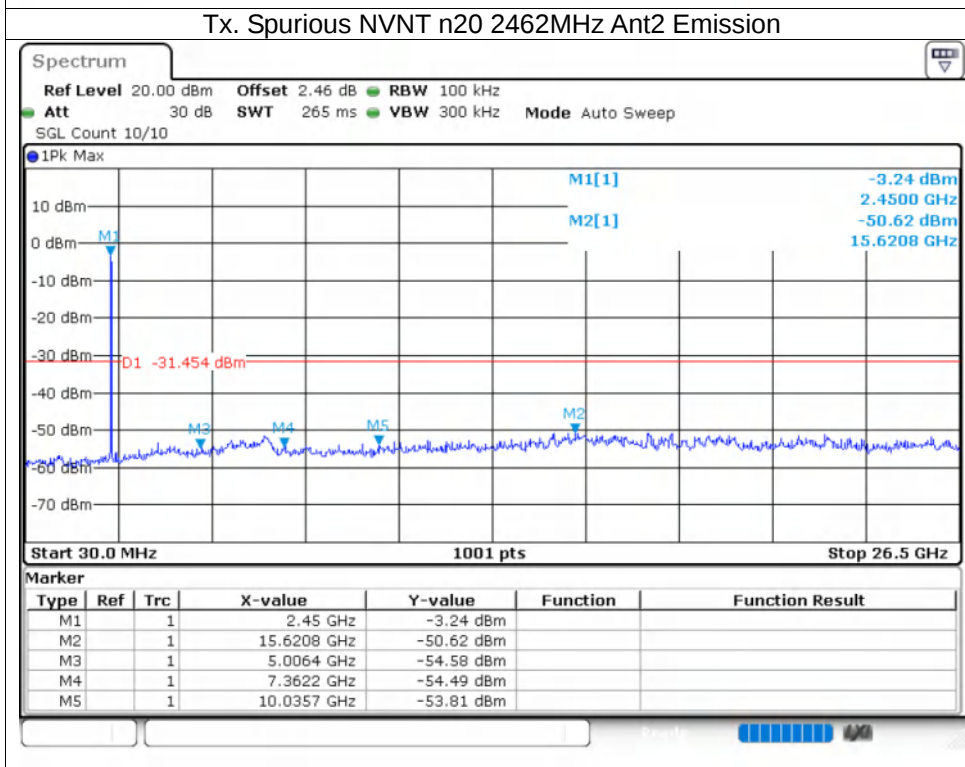
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



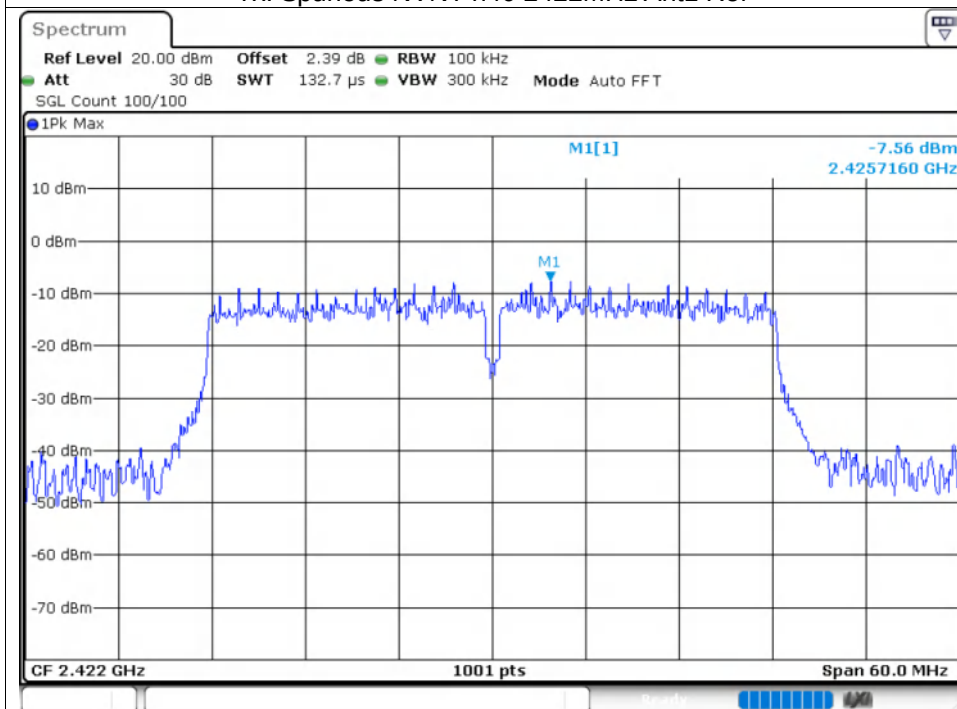
Tx. Spurious NVNT n20 2462MHz Ant2 Ref



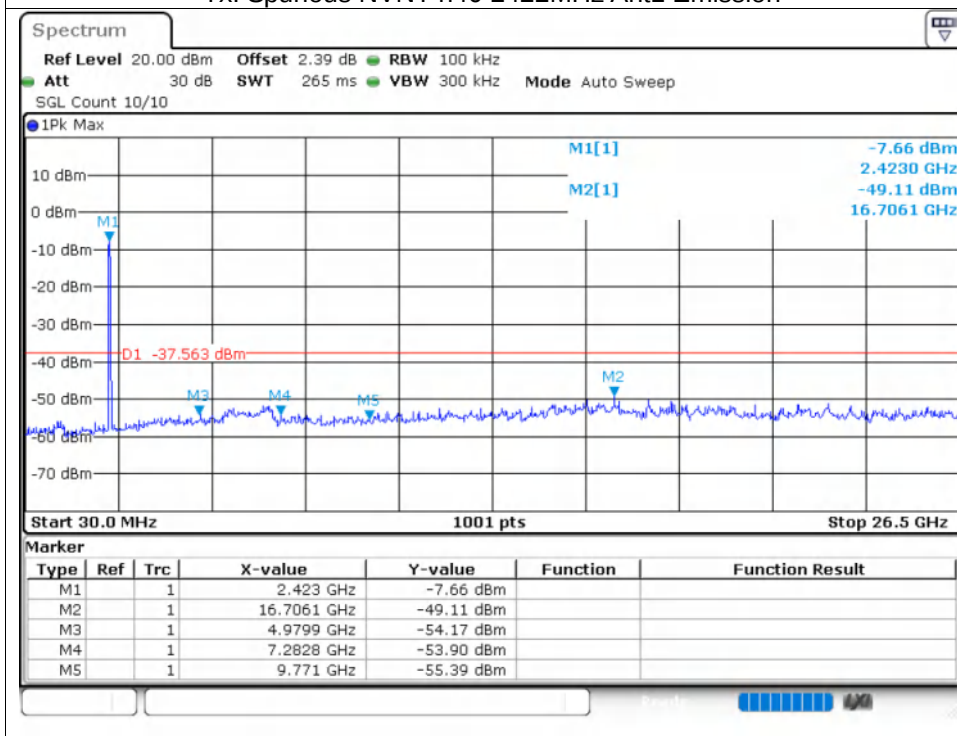
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



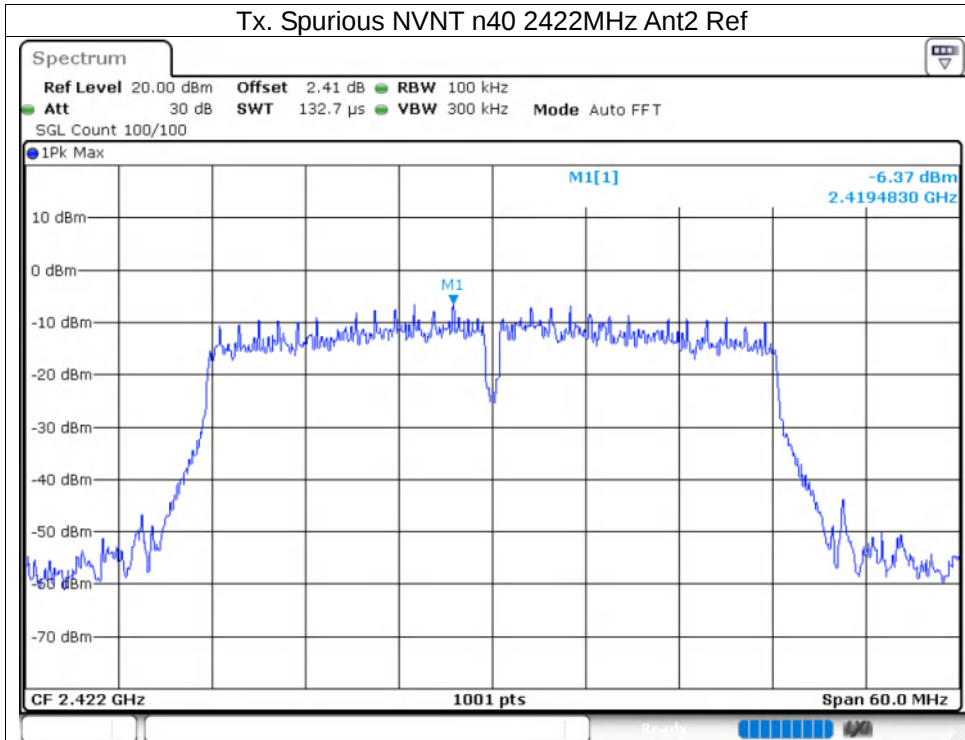
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



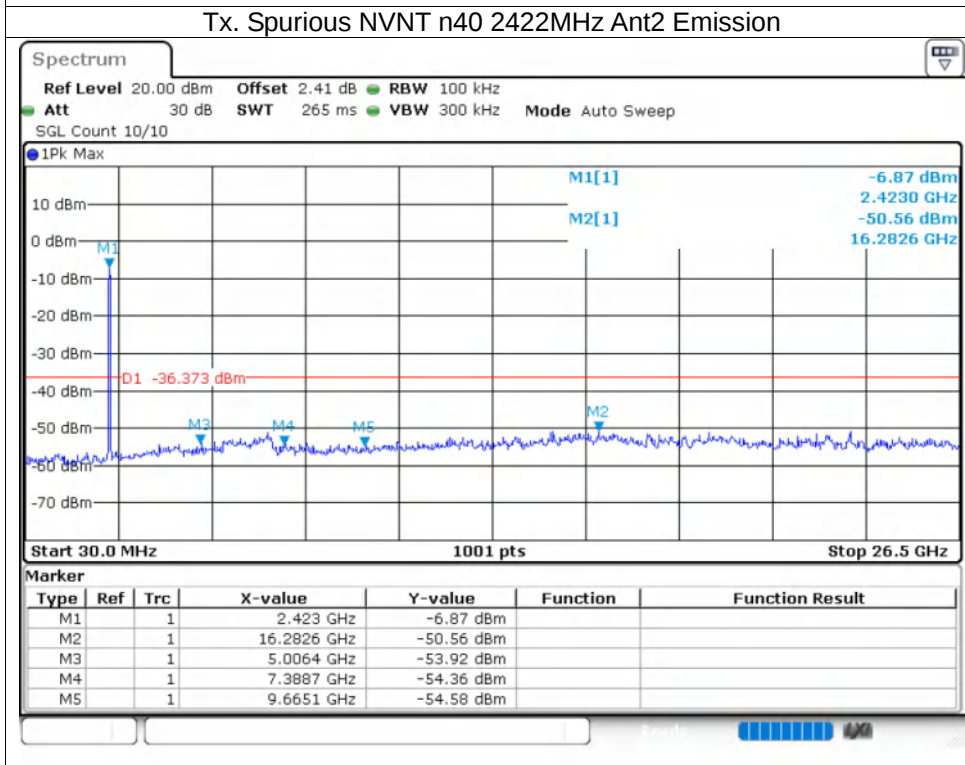
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



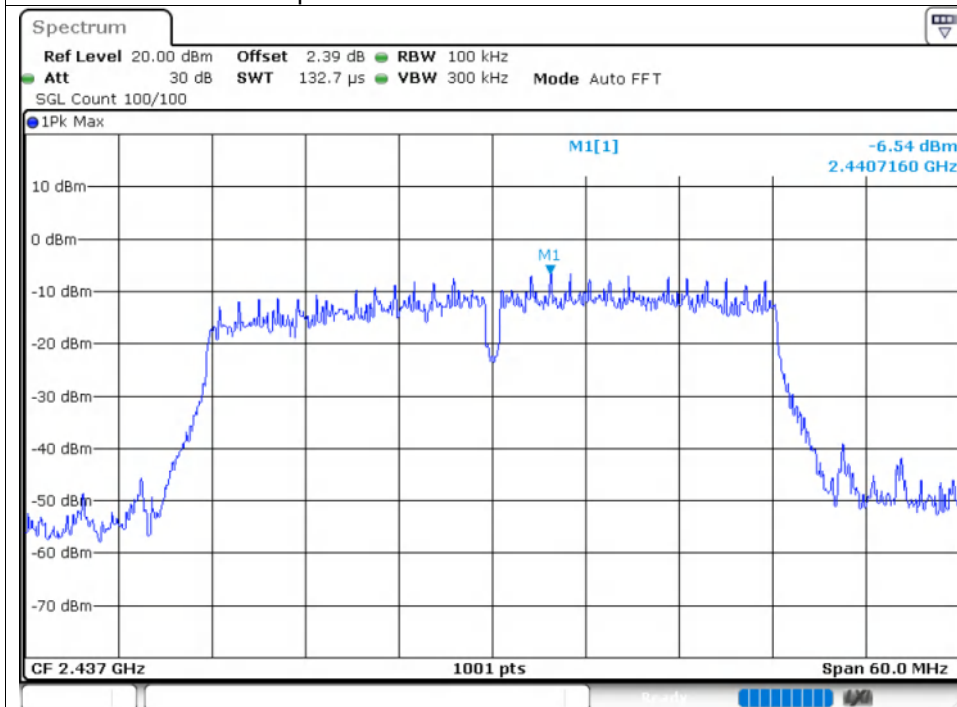
Tx. Spurious NVNT n40 2422MHz Ant2 Ref



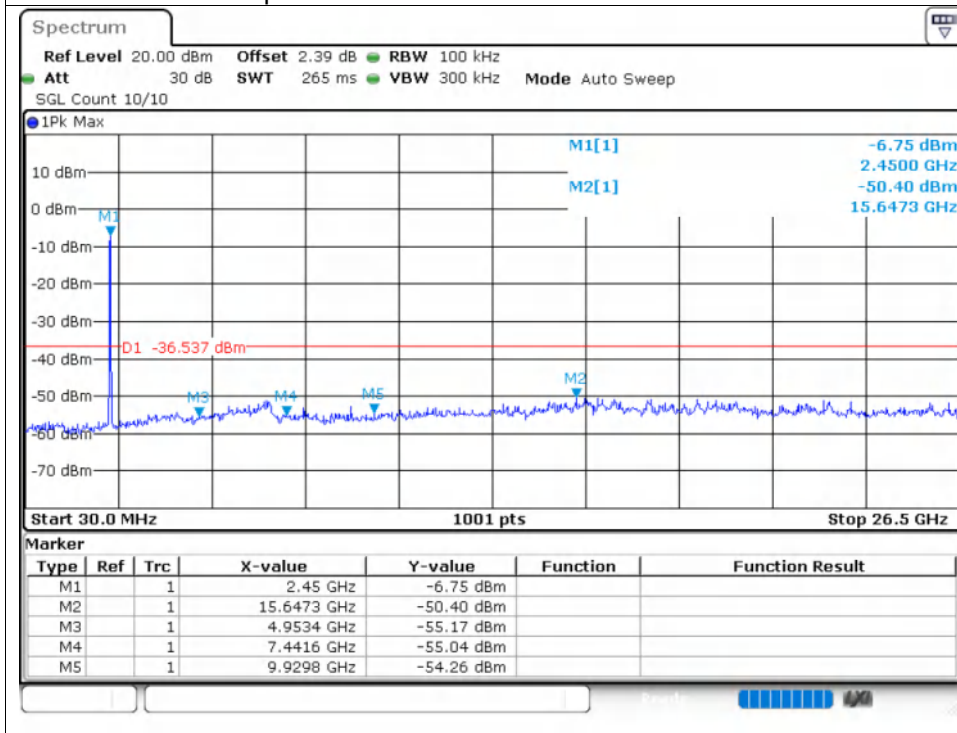
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



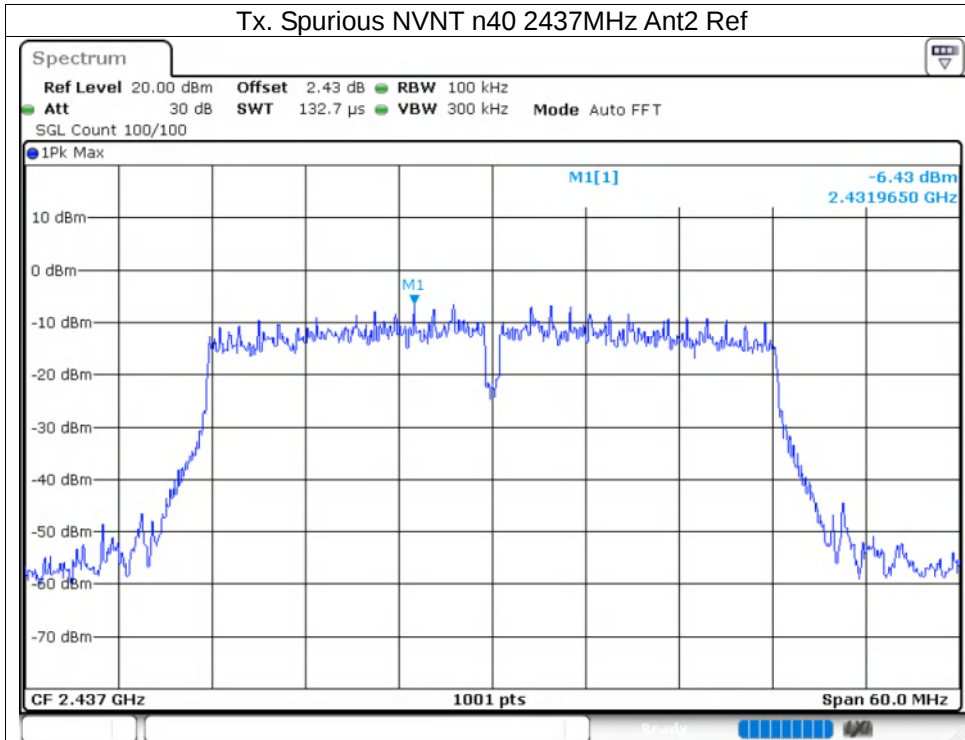
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



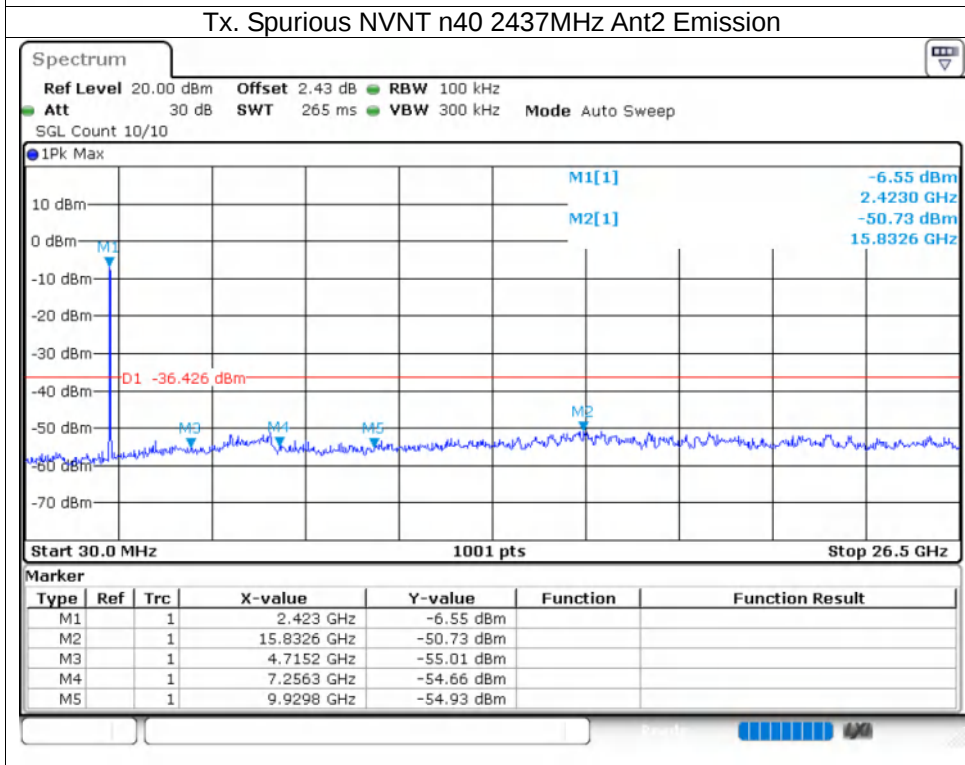
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



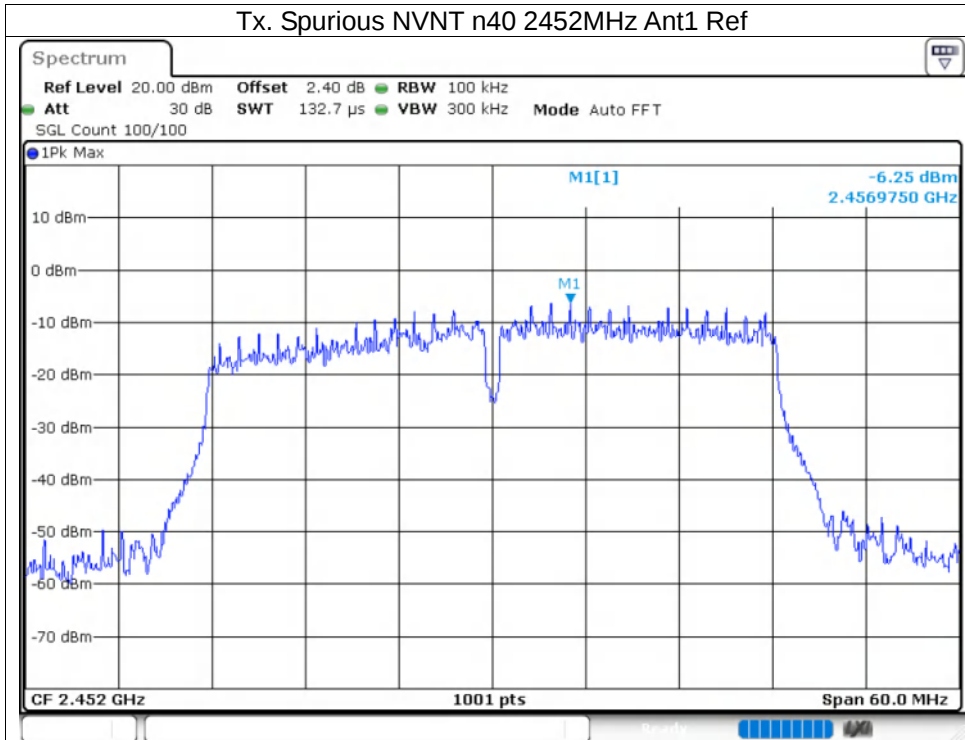
Tx. Spurious NVNT n40 2437MHz Ant2 Ref



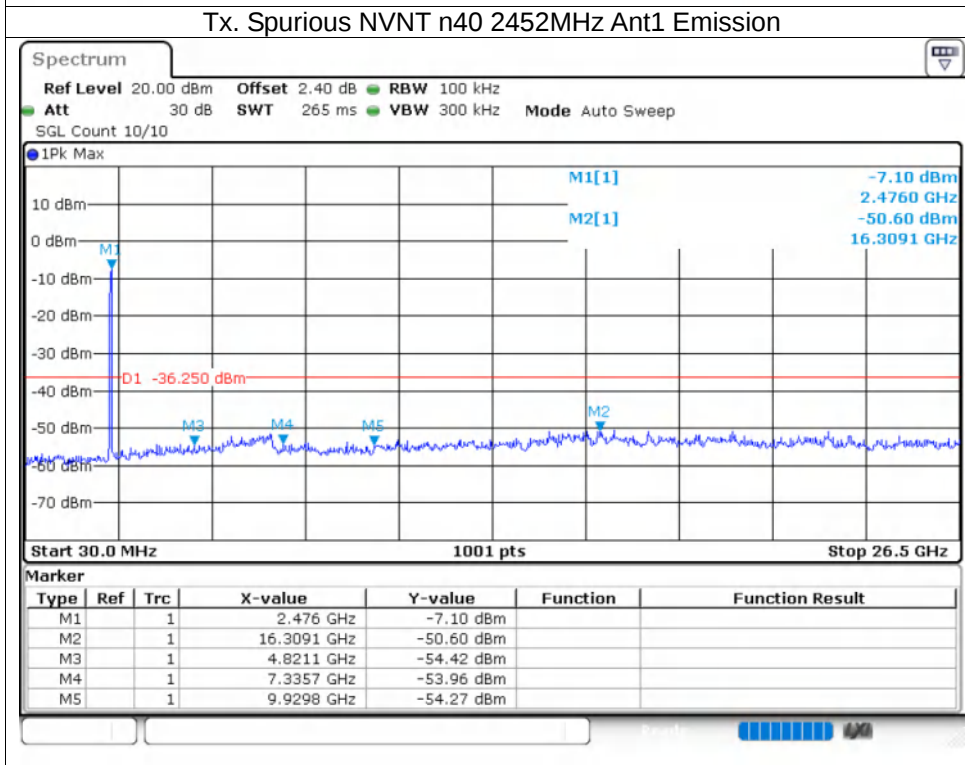
Tx. Spurious NVNT n40 2437MHz Ant2 Emission



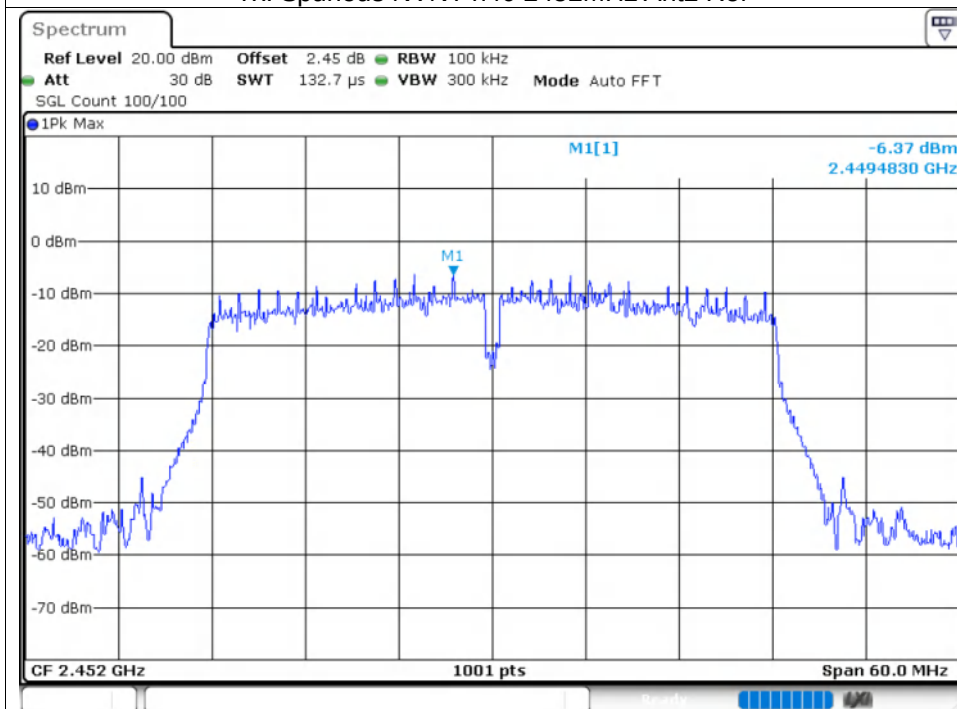
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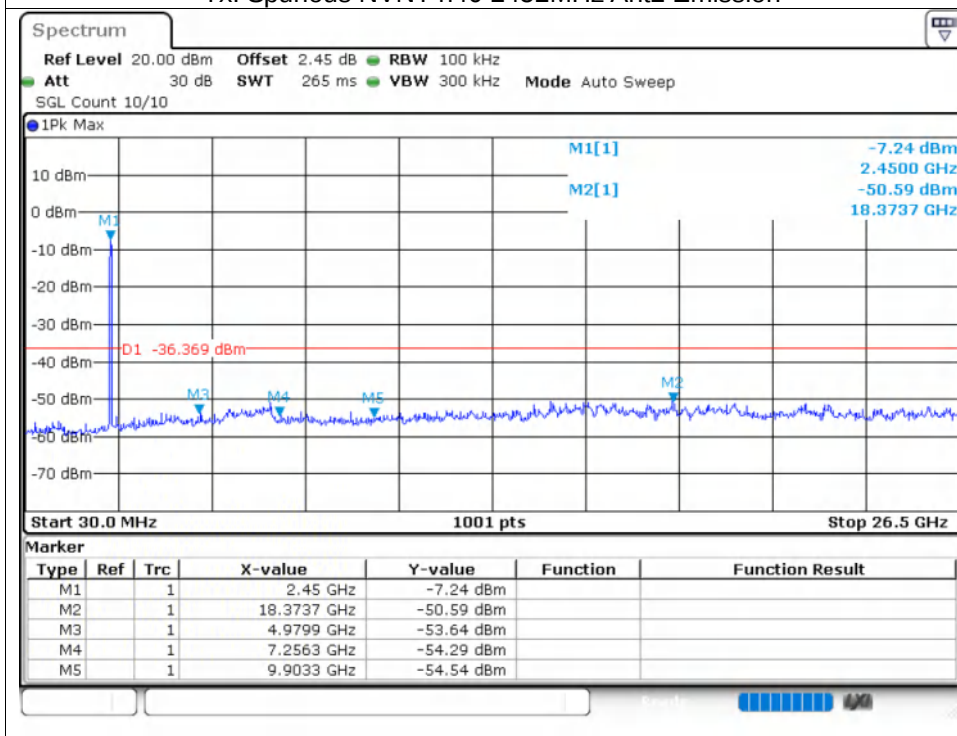
Tx. Spurious NVNT n40 2452MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant2 Ref



Tx. Spurious NVNT n40 2452MHz Ant2 Emission



END OF REPORT