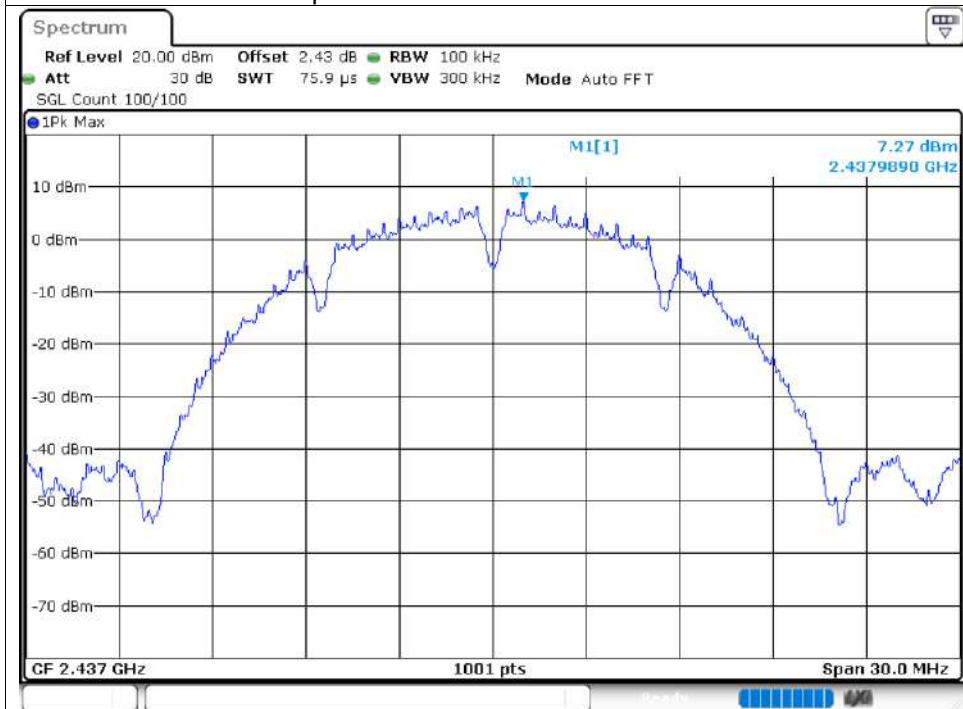
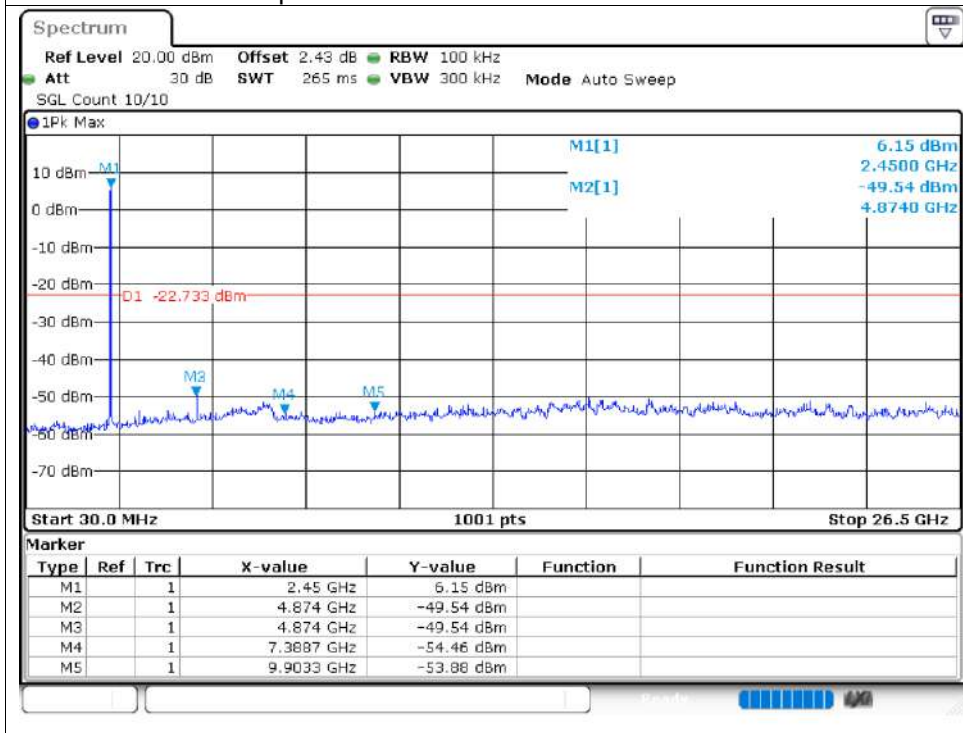


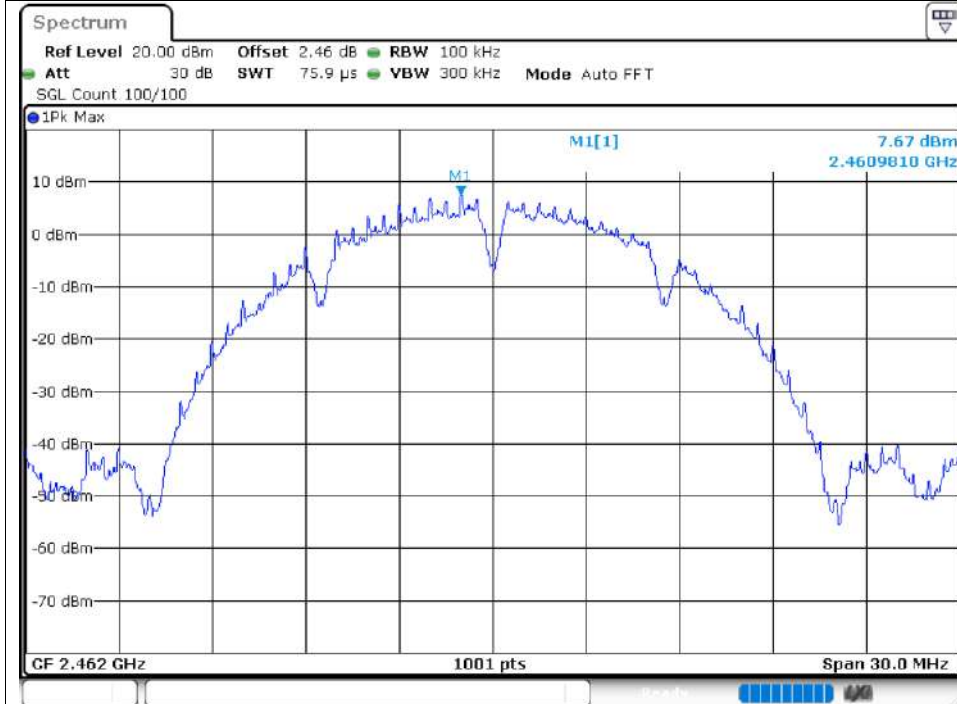
Tx. Spurious NVNT b 2437MHz Ant2 Ref



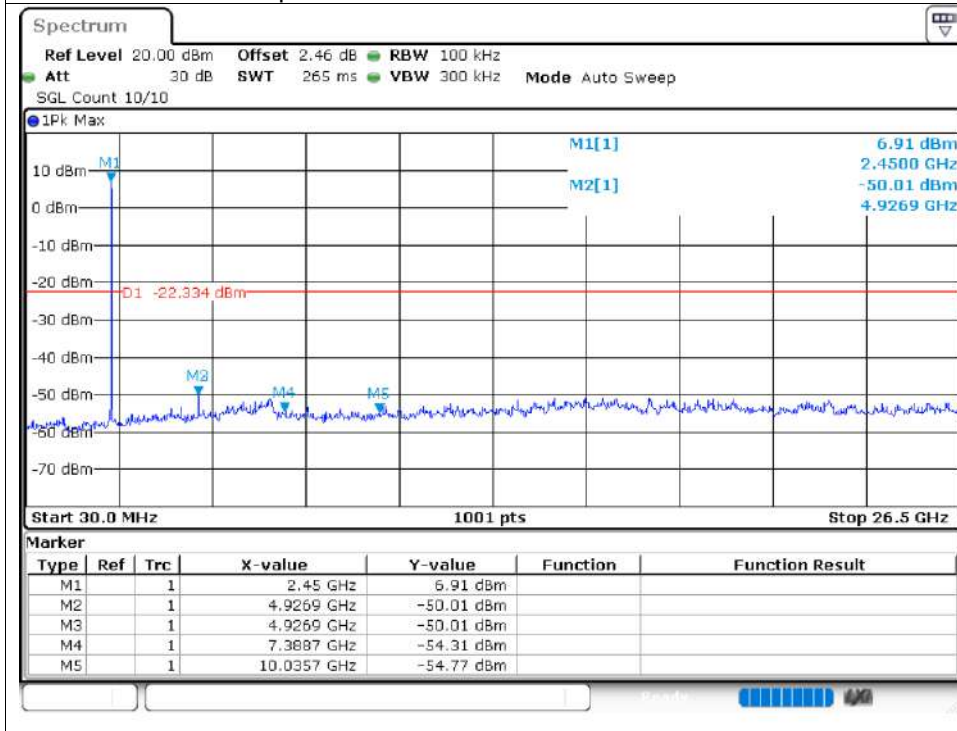
Tx. Spurious NVNT b 2437MHz Ant2 Emission



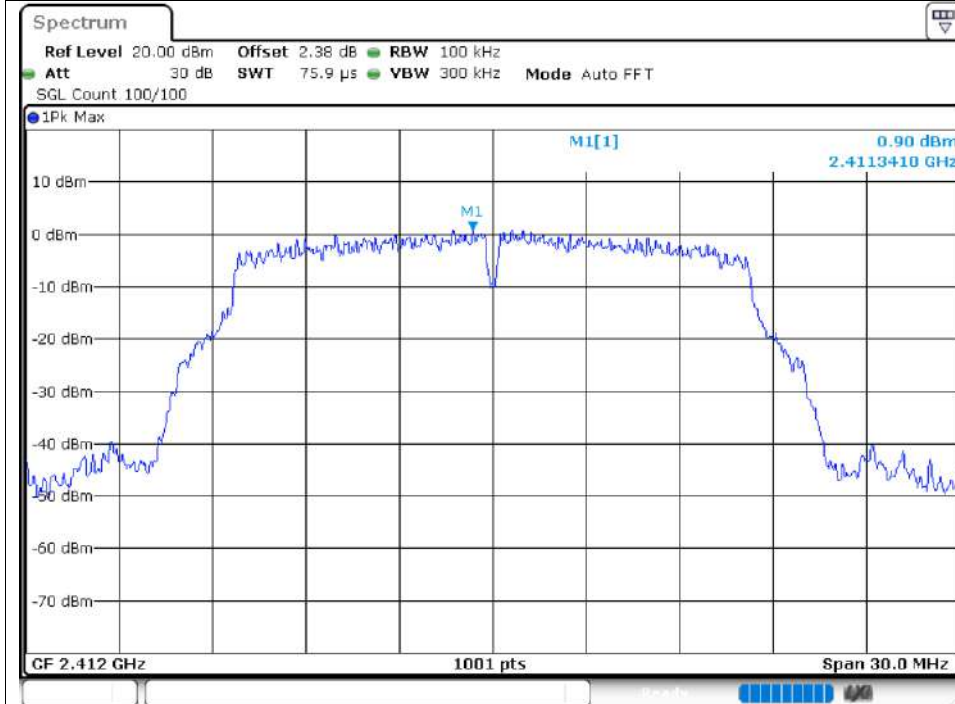
Tx. Spurious NVNT b 2462MHz Ant2 Ref



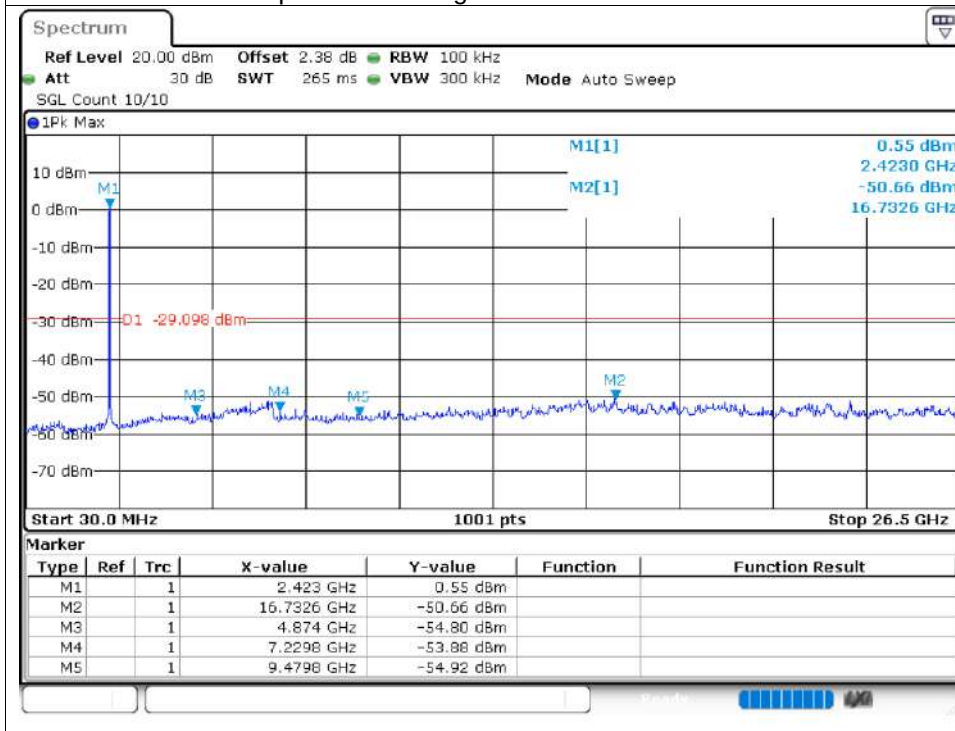
Tx. Spurious NVNT b 2462MHz Ant2 Emission

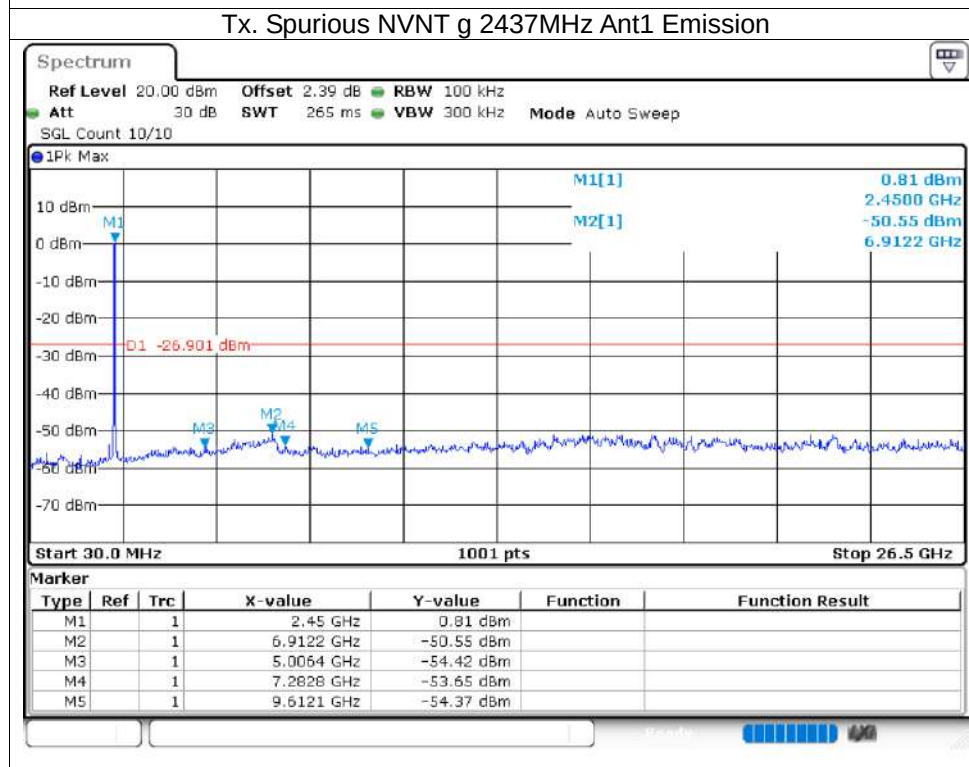
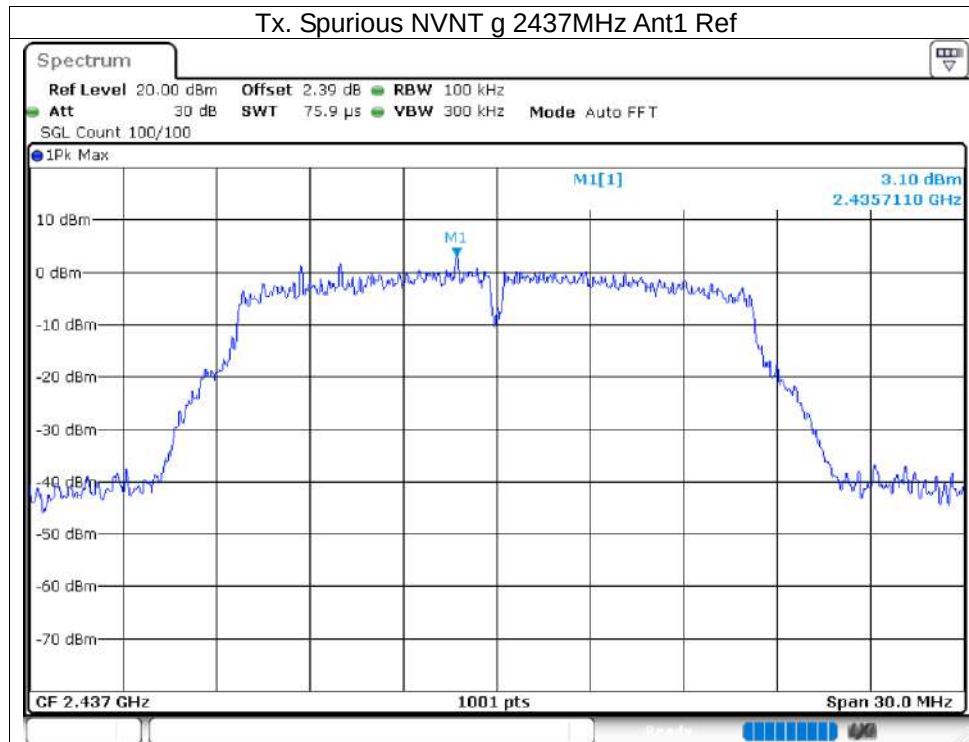


Tx. Spurious NVNT g 2412MHz Ant1 Ref

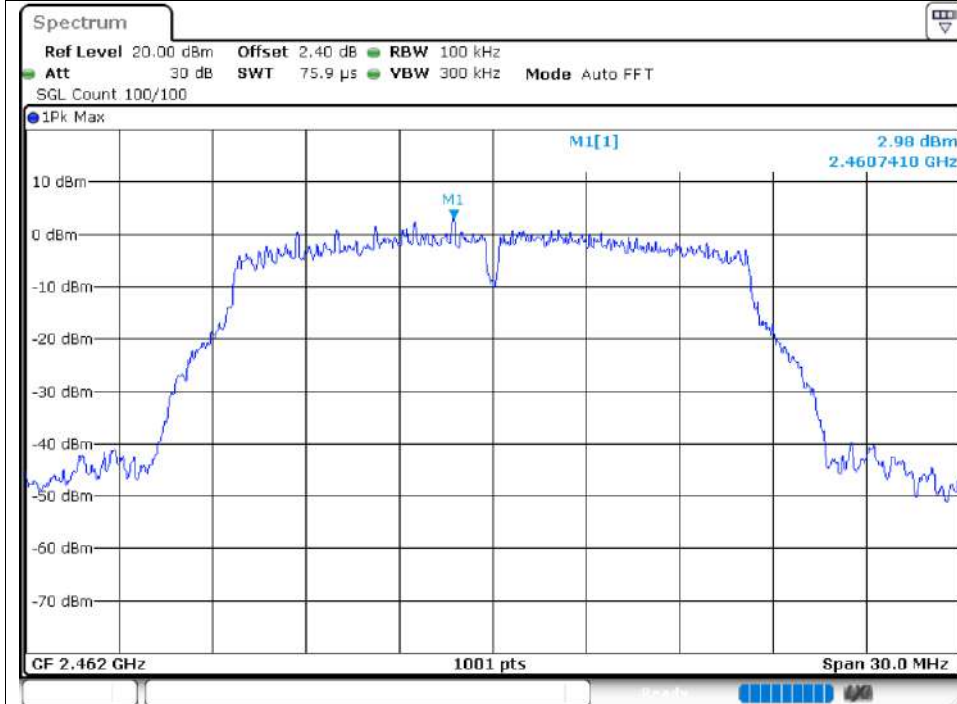


Tx. Spurious NVNT g 2412MHz Ant1 Emission

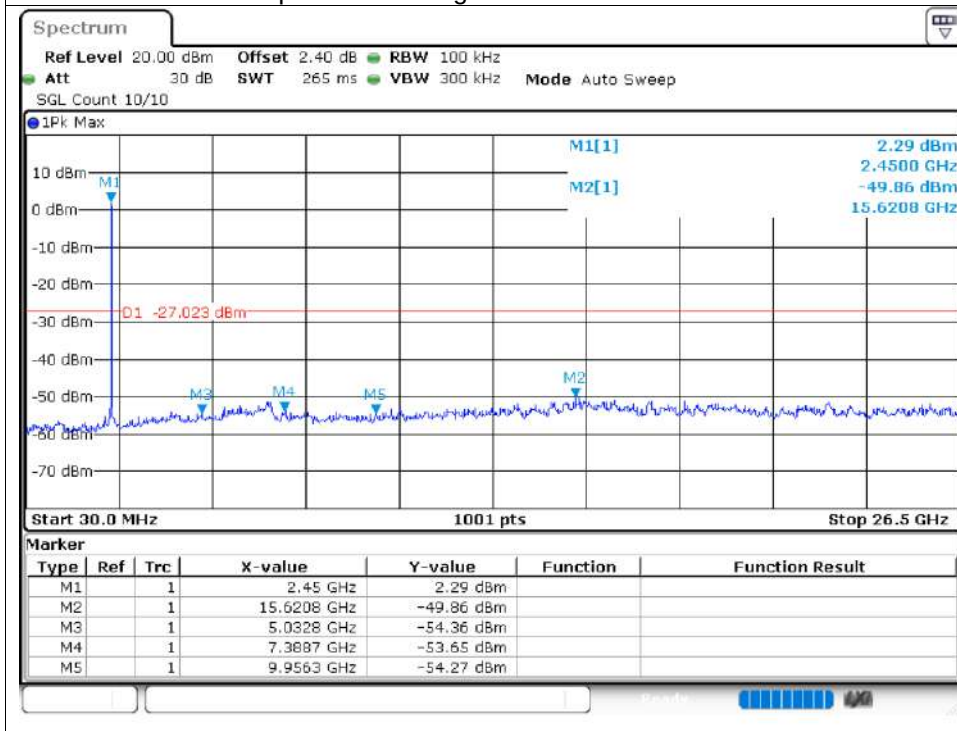




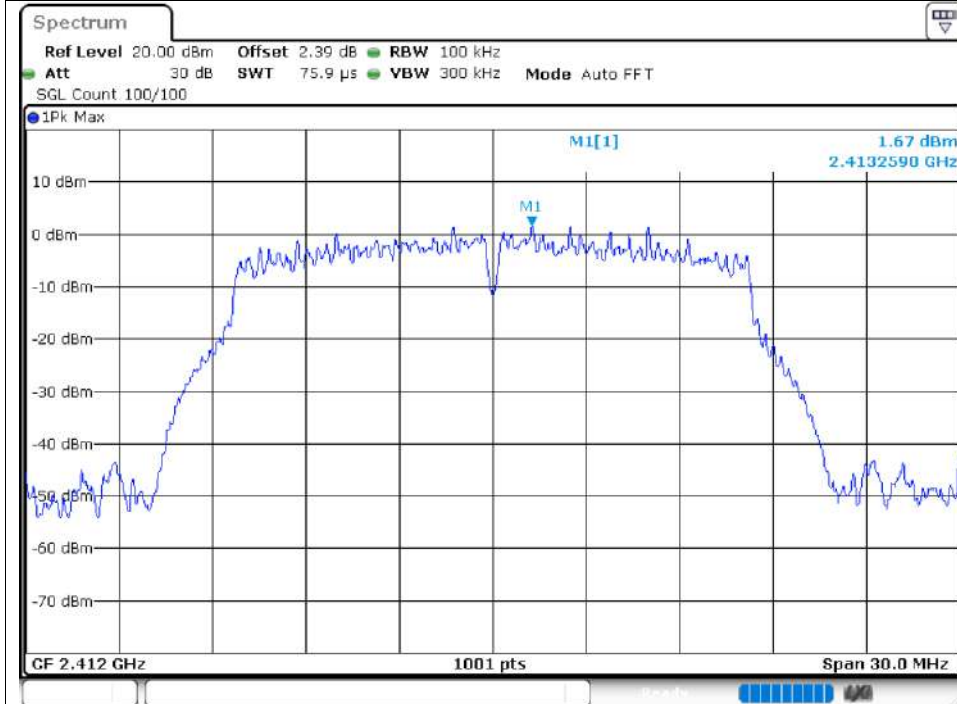
Tx. Spurious NVNT g 2462MHz Ant1 Ref



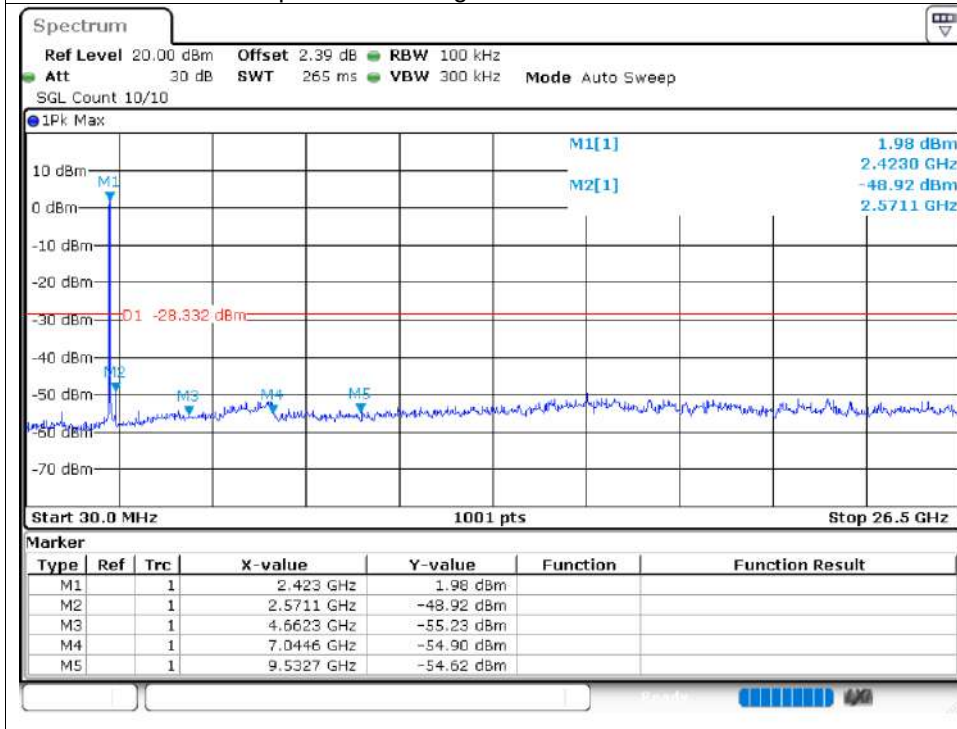
Tx. Spurious NVNT g 2462MHz Ant1 Emission



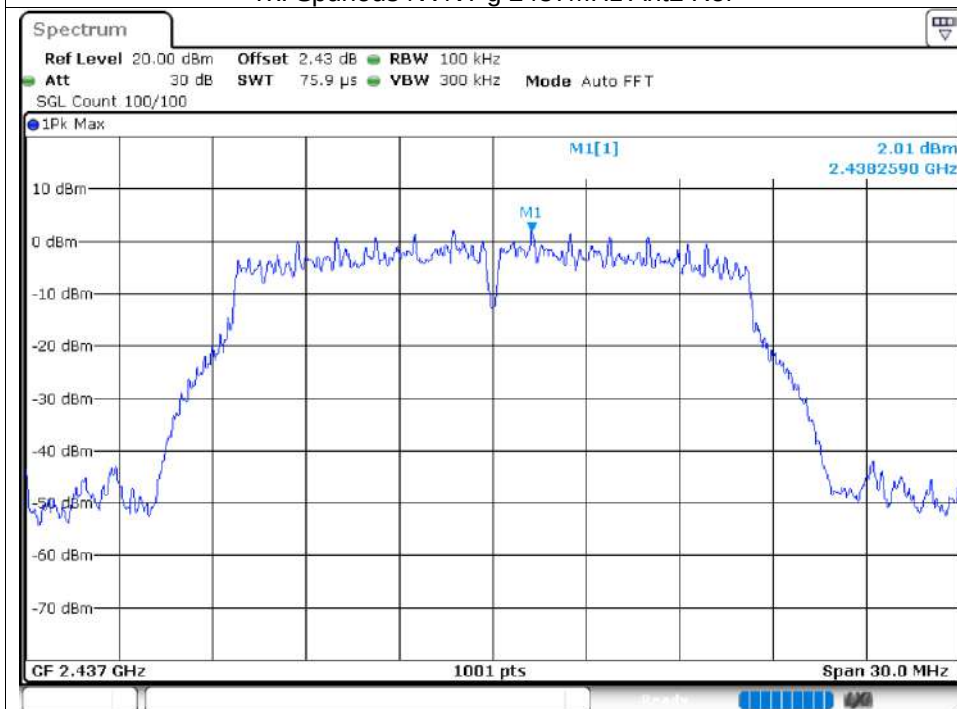
Tx. Spurious NVNT g 2412MHz Ant2 Ref



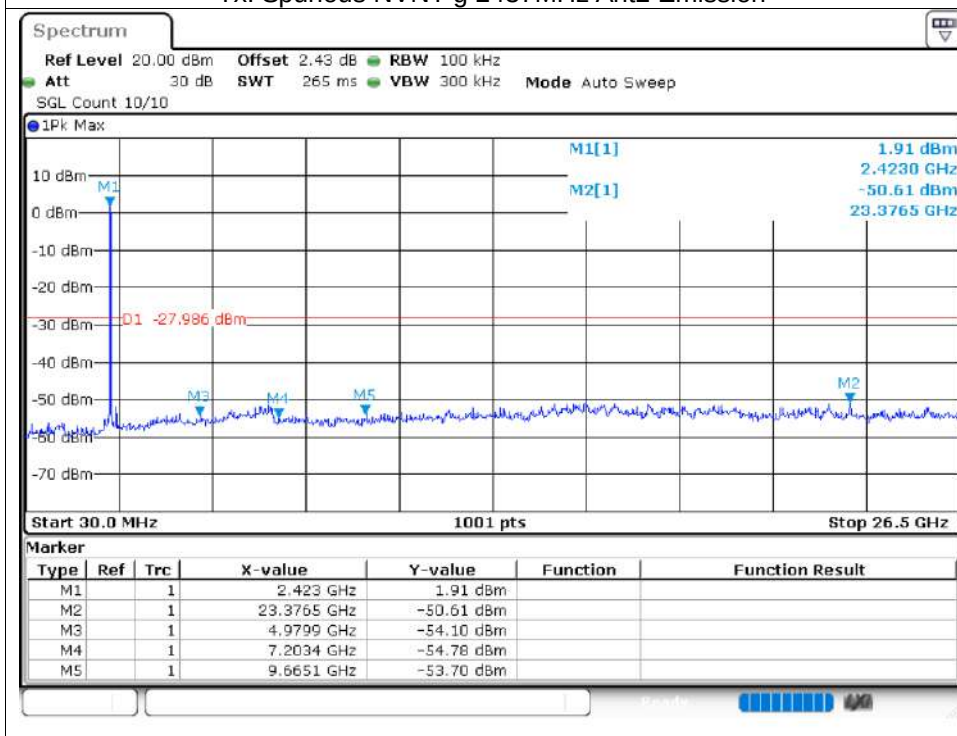
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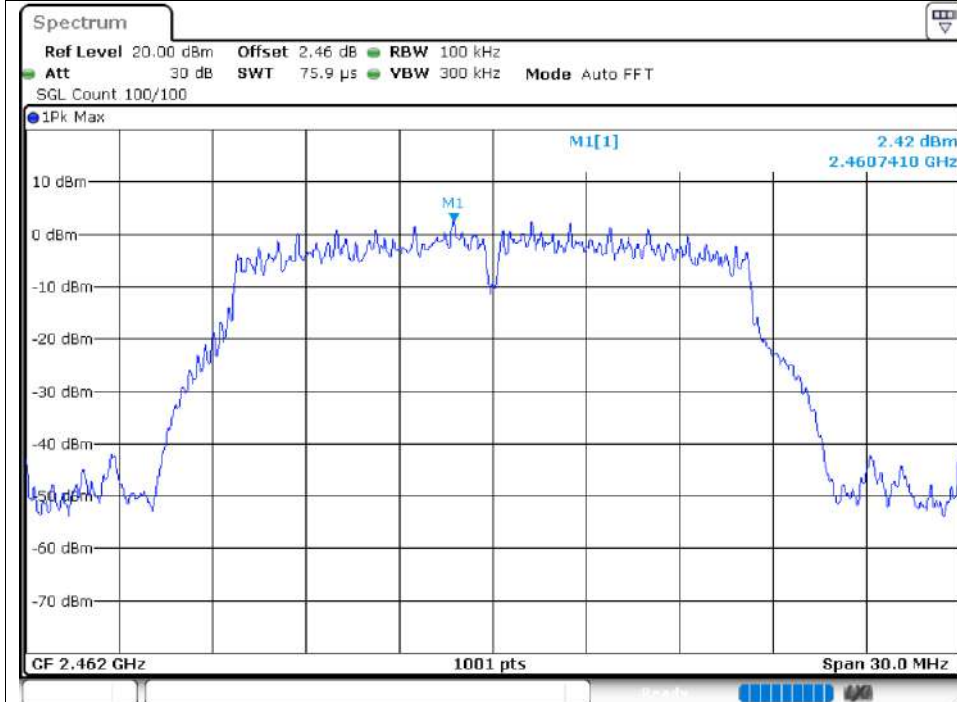
Tx. Spurious NVNT g 2437MHz Ant2 Ref



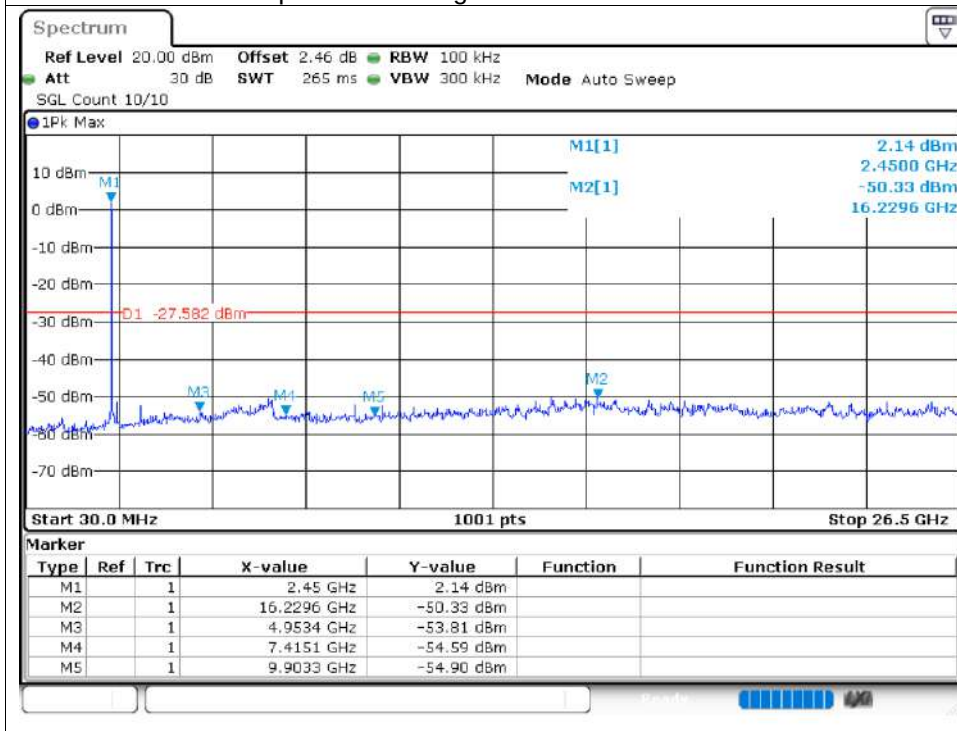
Tx. Spurious NVNT g 2437MHz Ant2 Emission



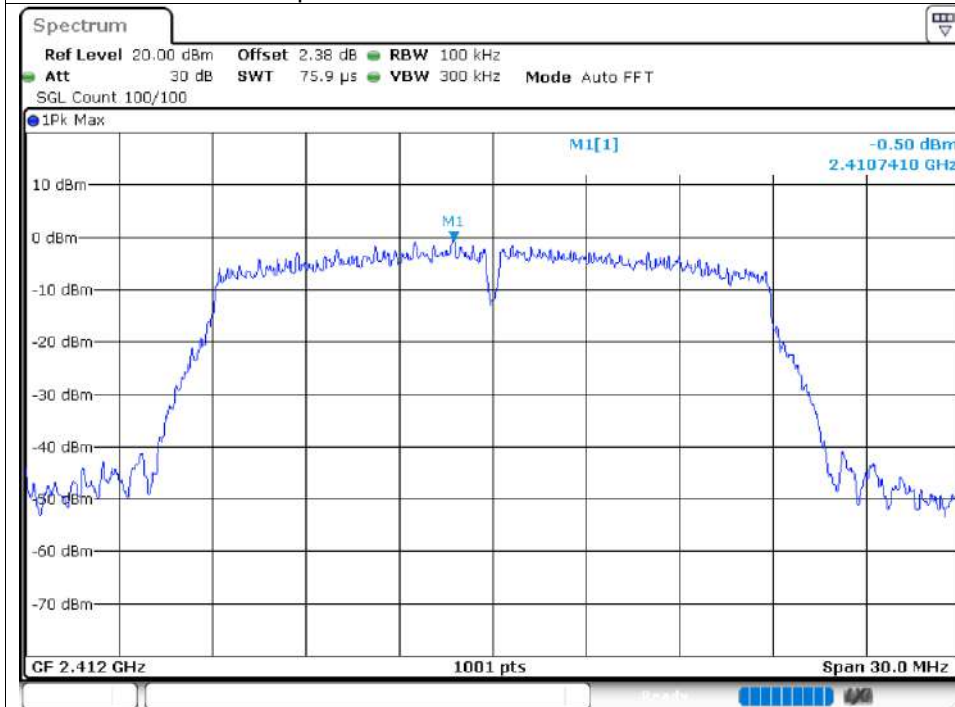
Tx. Spurious NVNT g 2462MHz Ant2 Ref



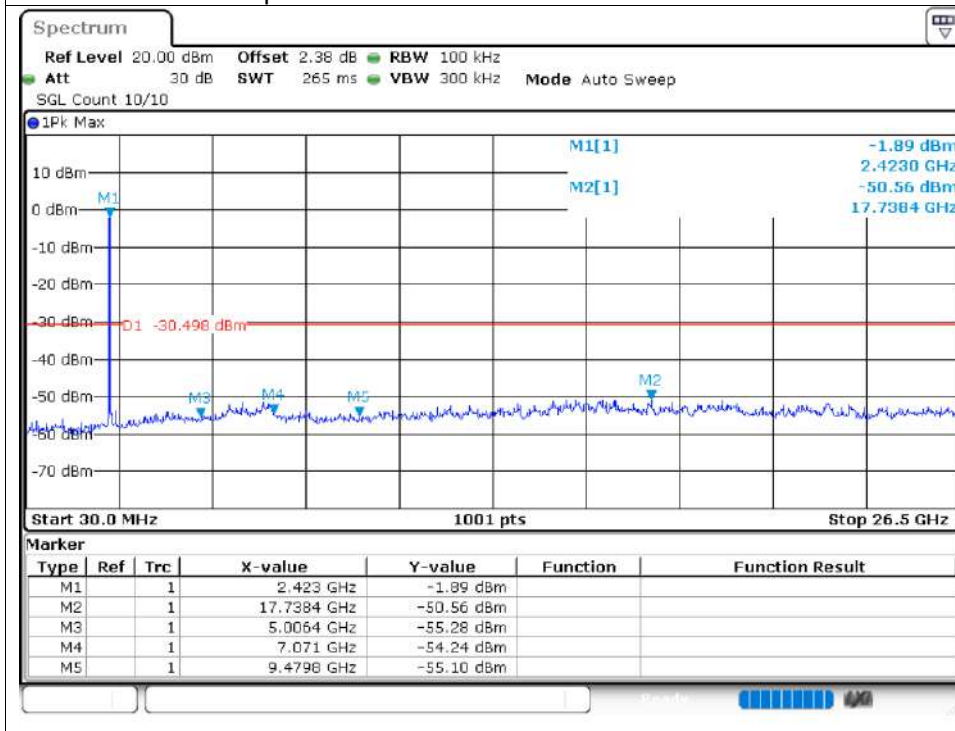
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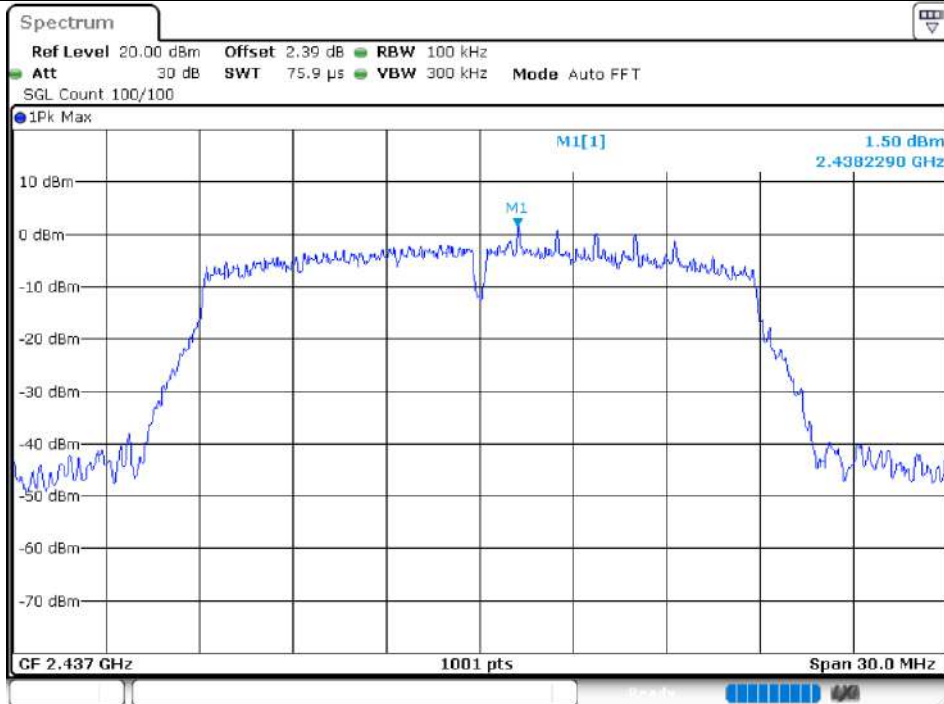
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



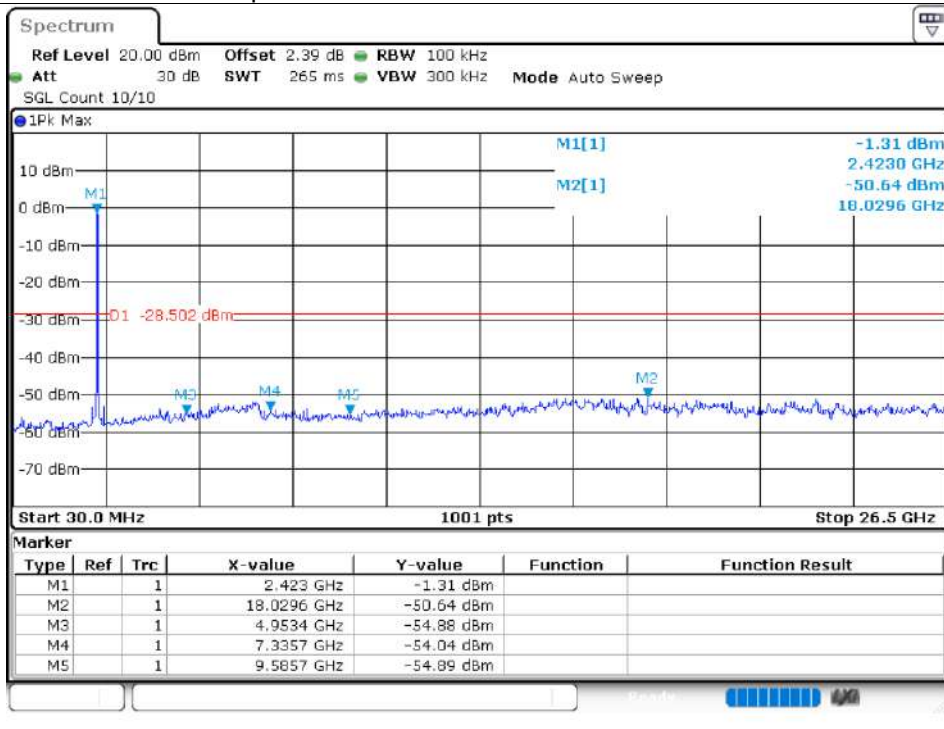
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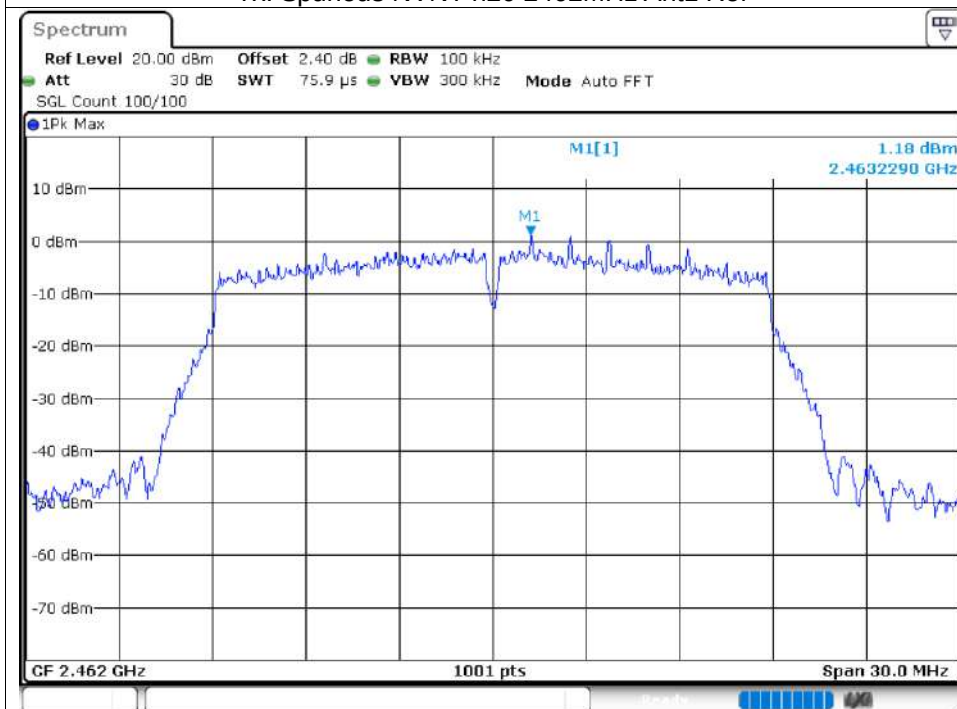
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



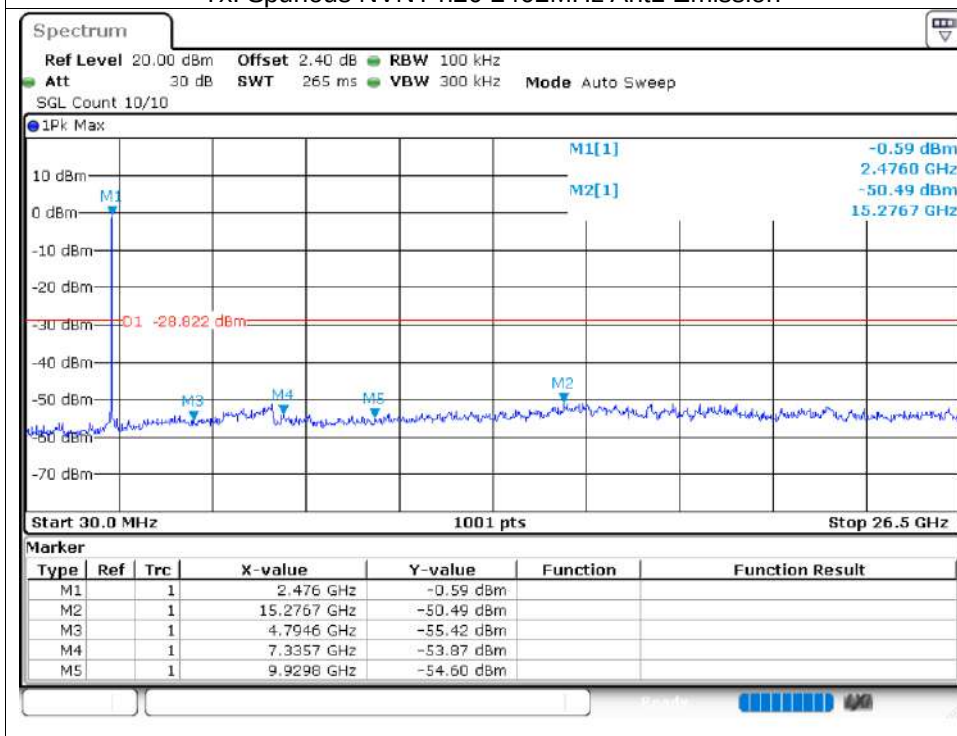
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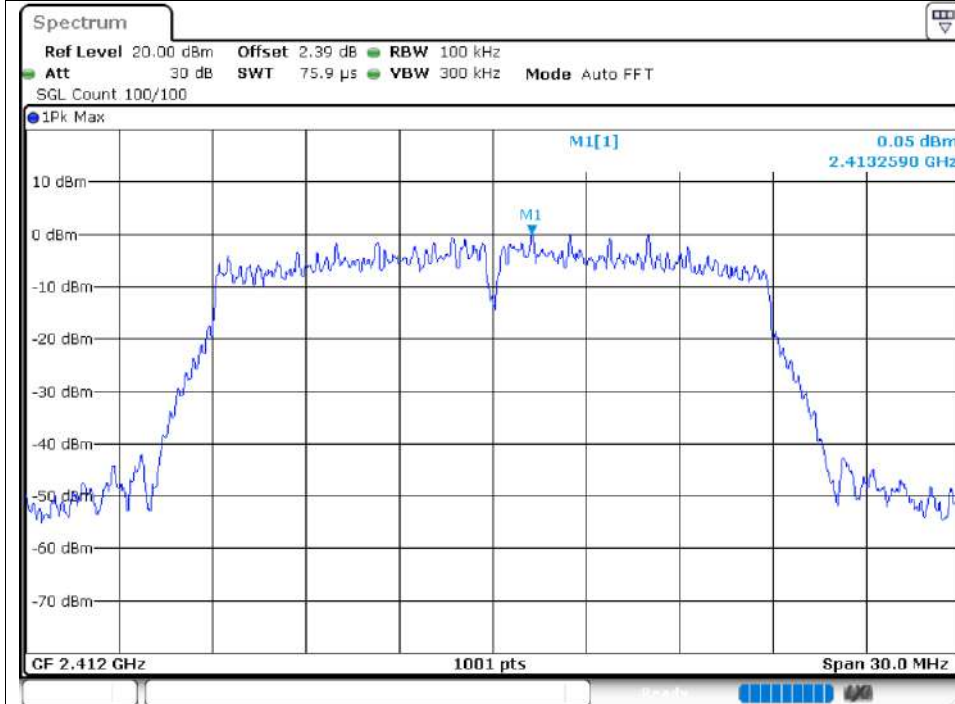
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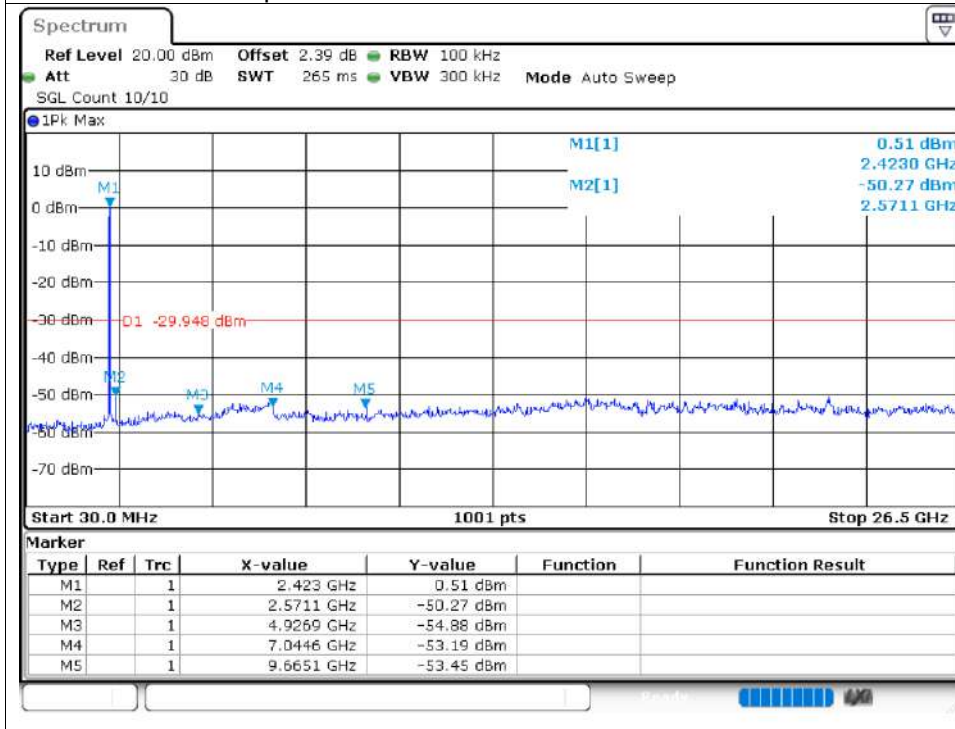
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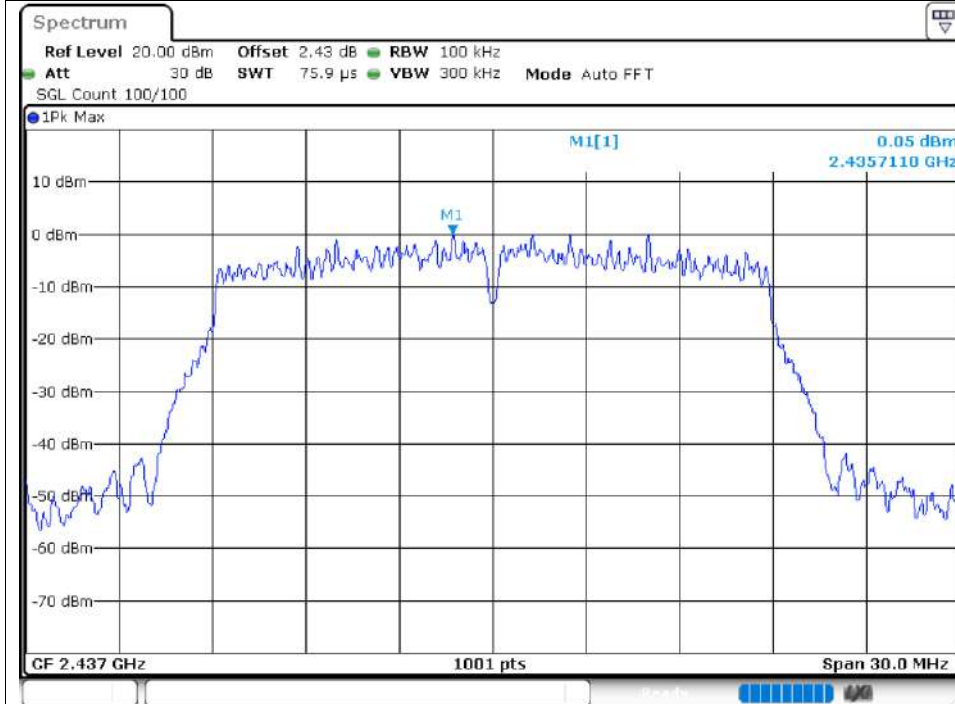
Tx. Spurious NVNT n20 2412MHz Ant2 Ref



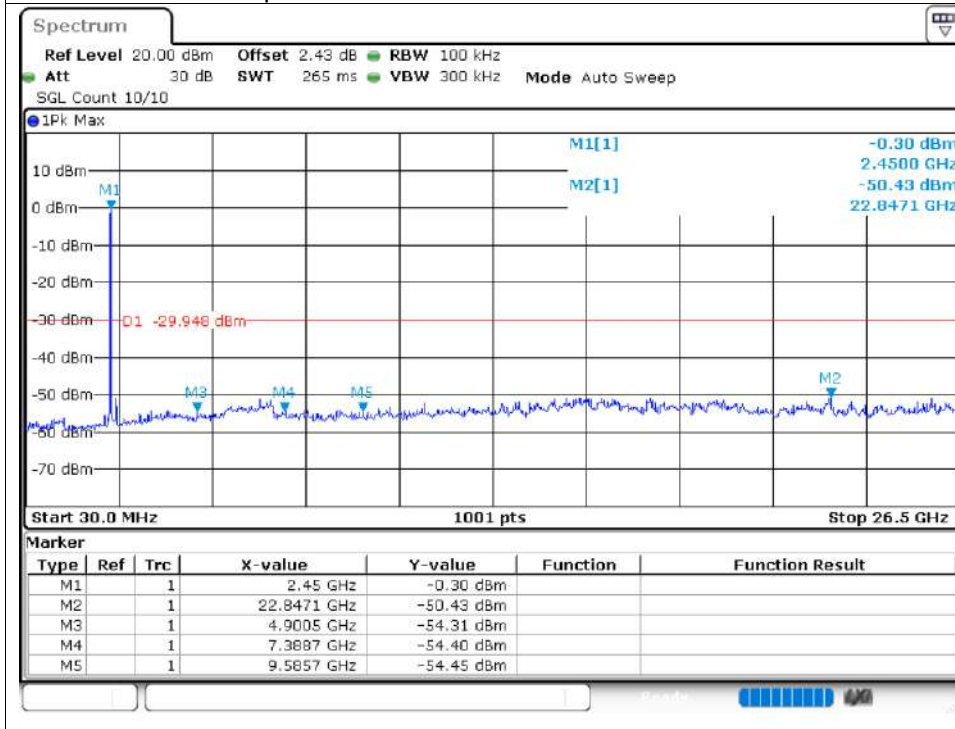
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



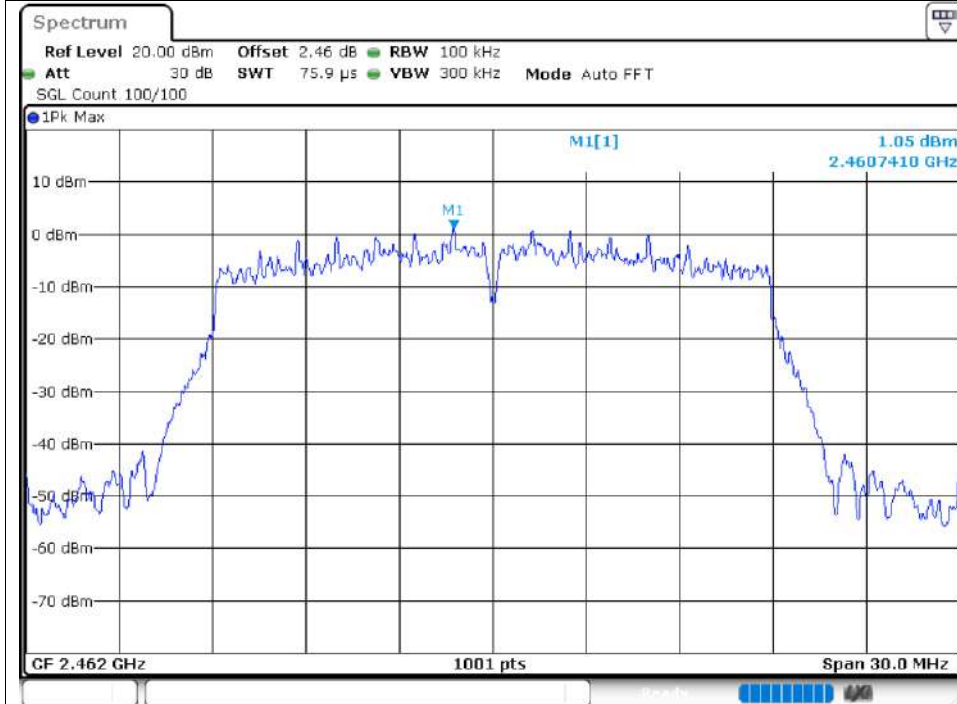
Tx. Spurious NVNT n20 2437MHz Ant2 Ref



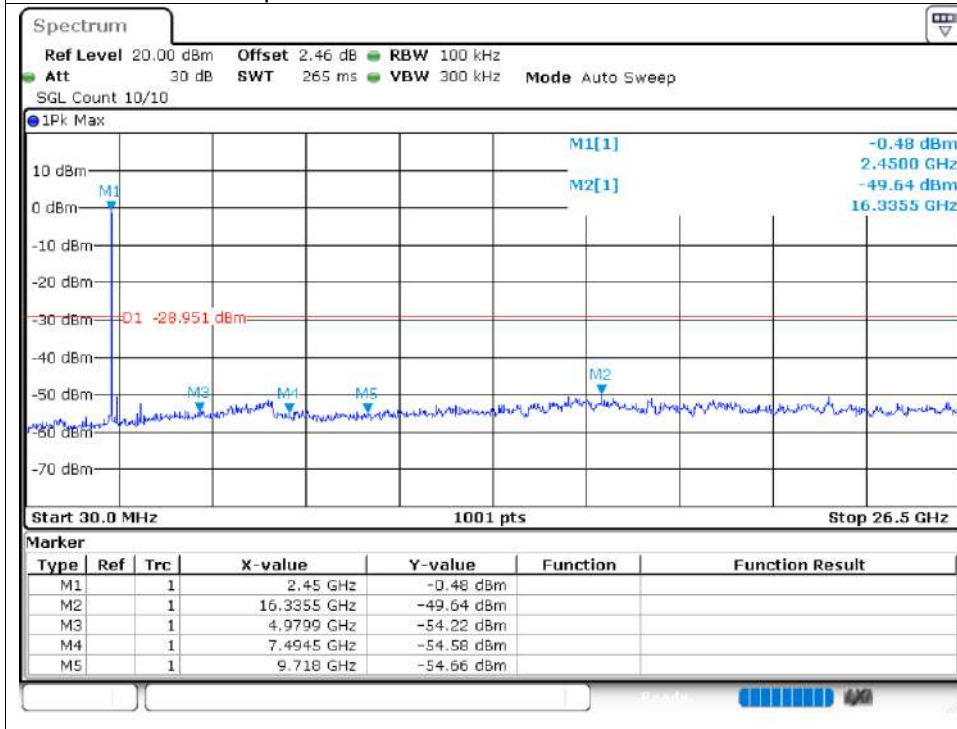
Tx. Spurious NVNT n20 2437MHz Ant2 Emission



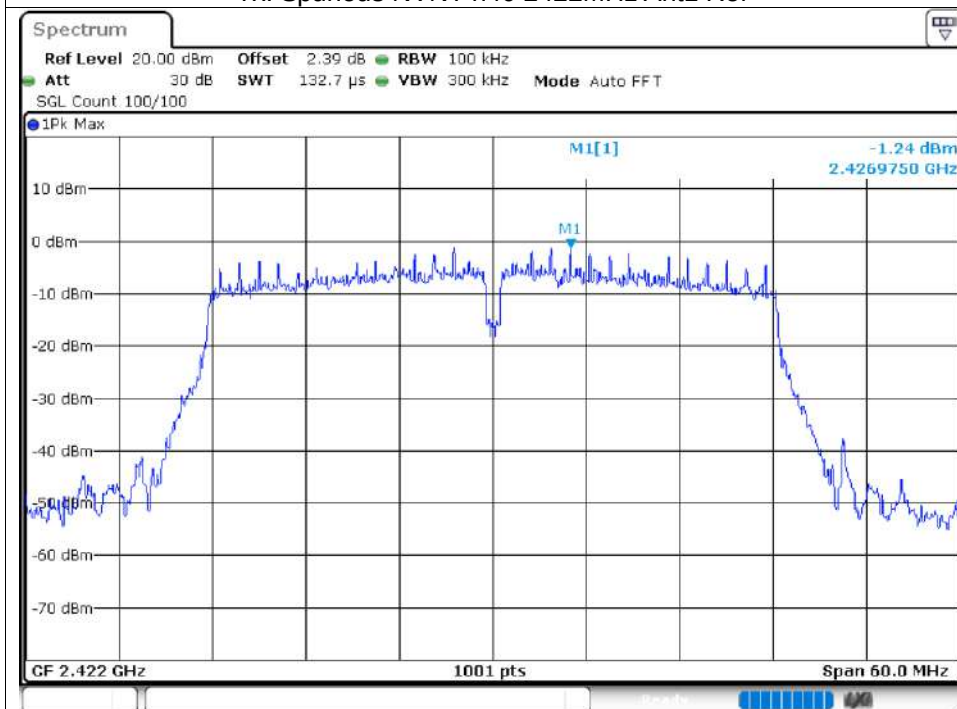
Tx. Spurious NVNT n20 2462MHz Ant2 Ref



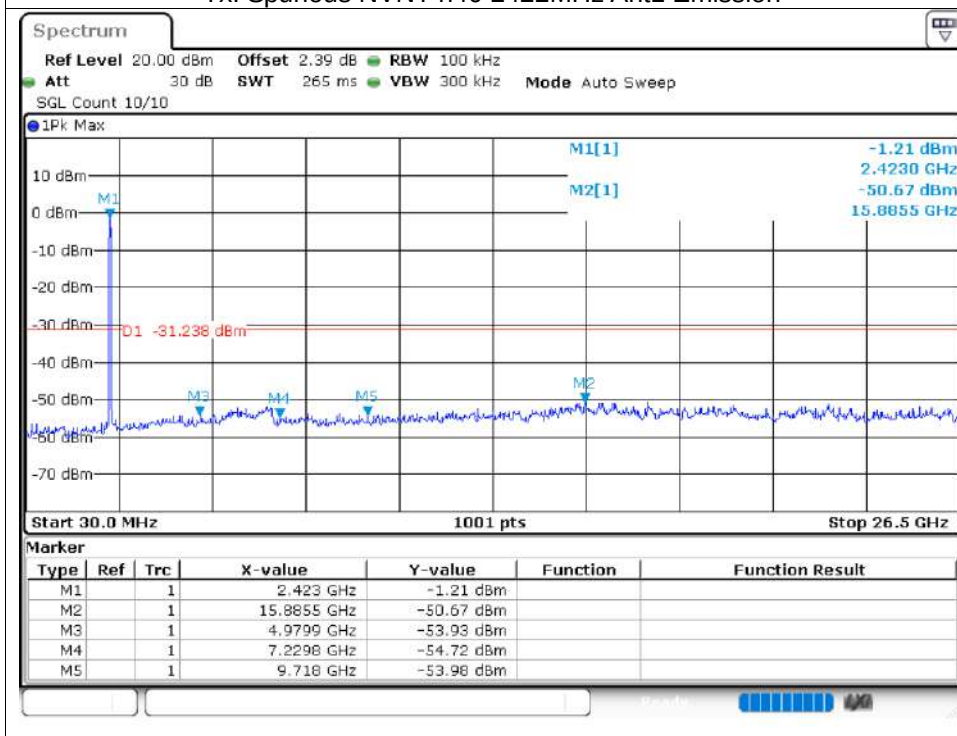
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



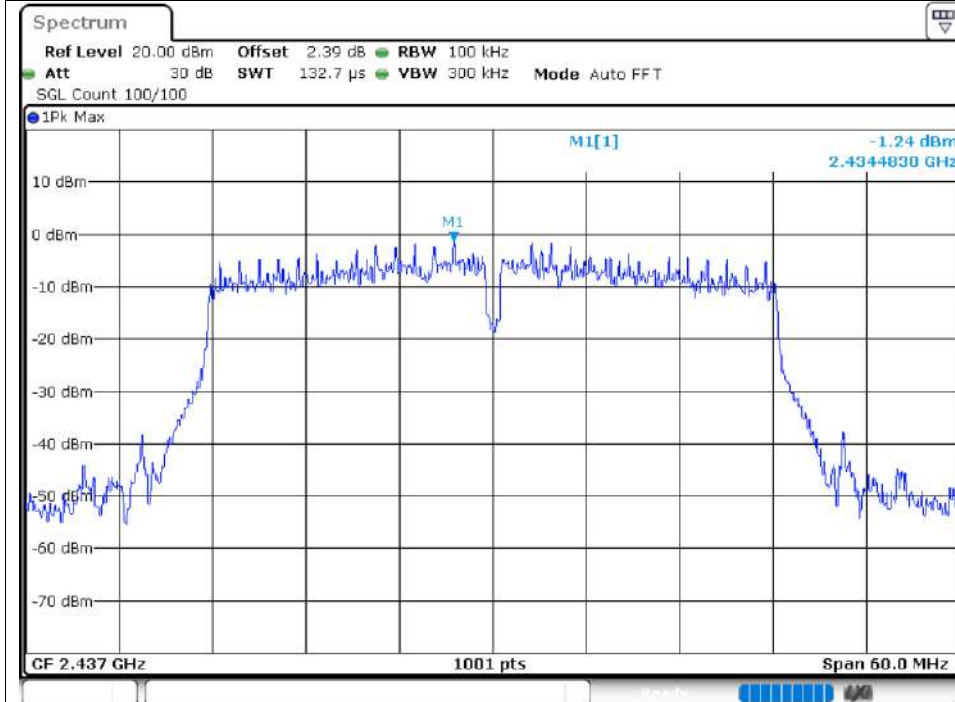
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



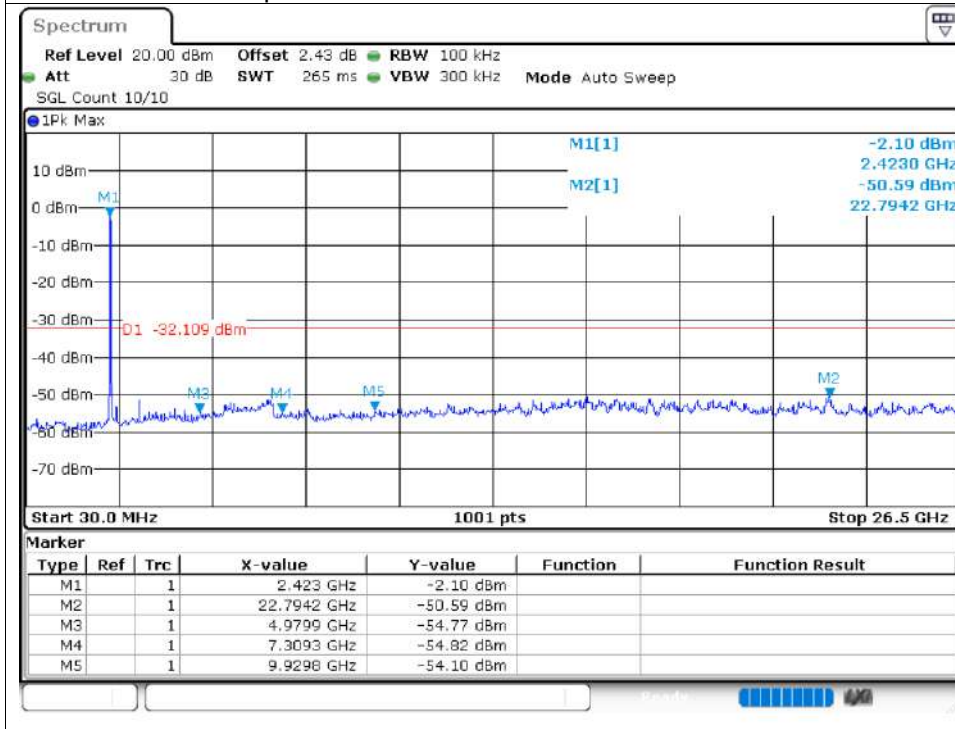
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



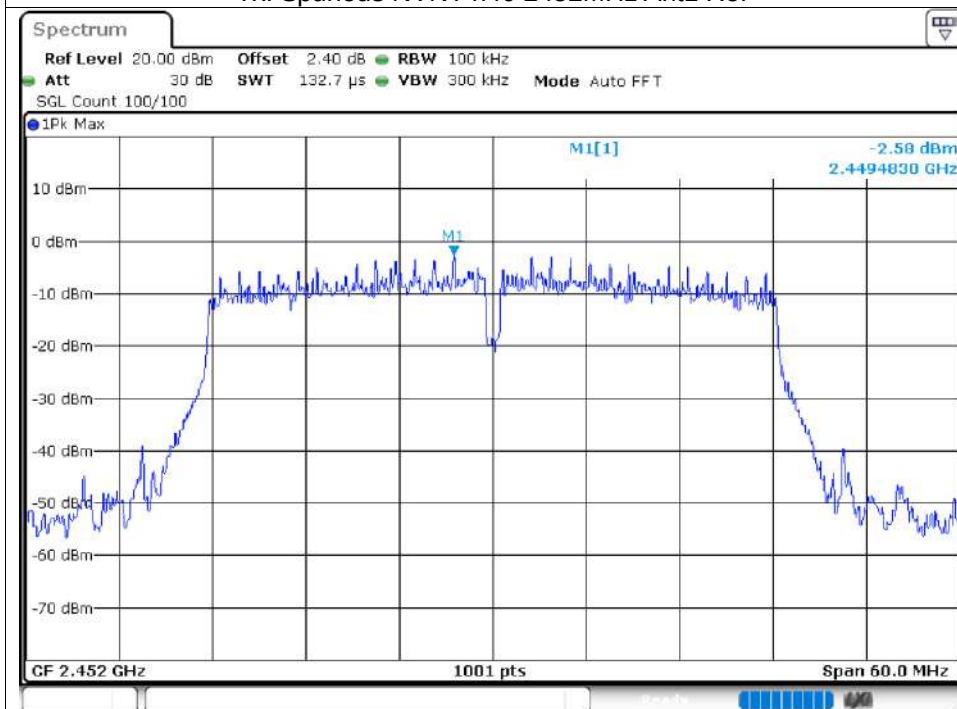
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



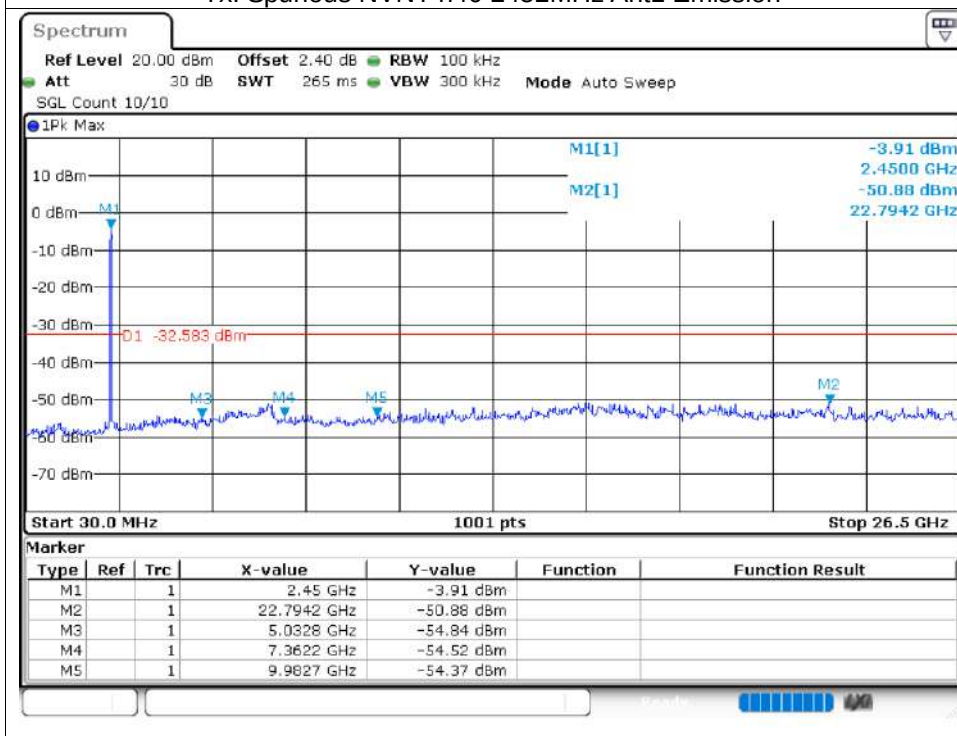
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



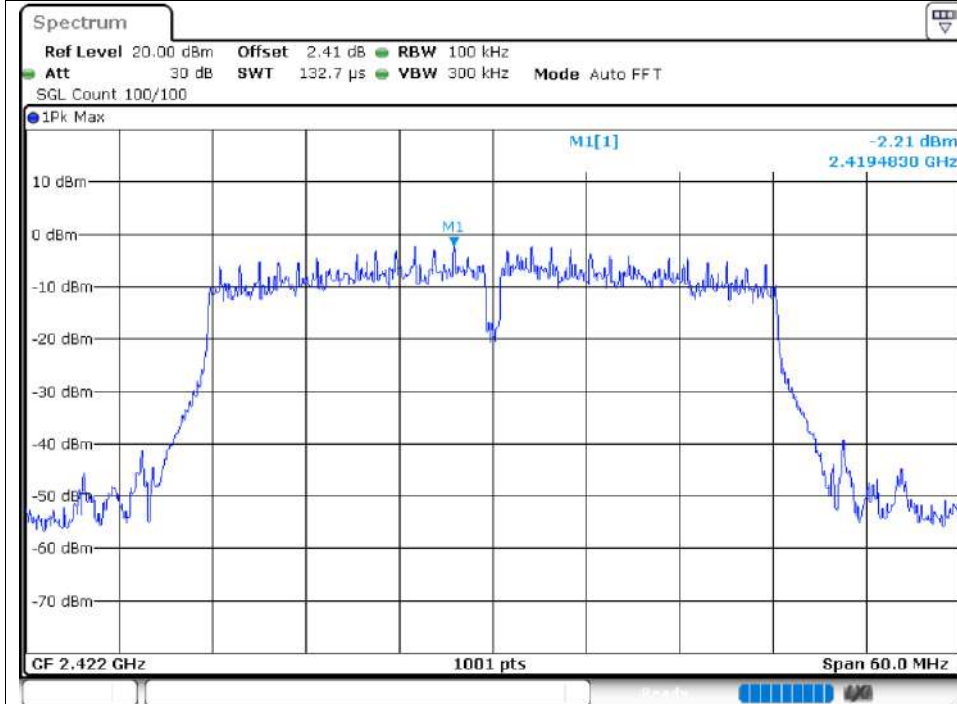
Tx. Spurious NVNT n40 2452MHz Ant1 Ref



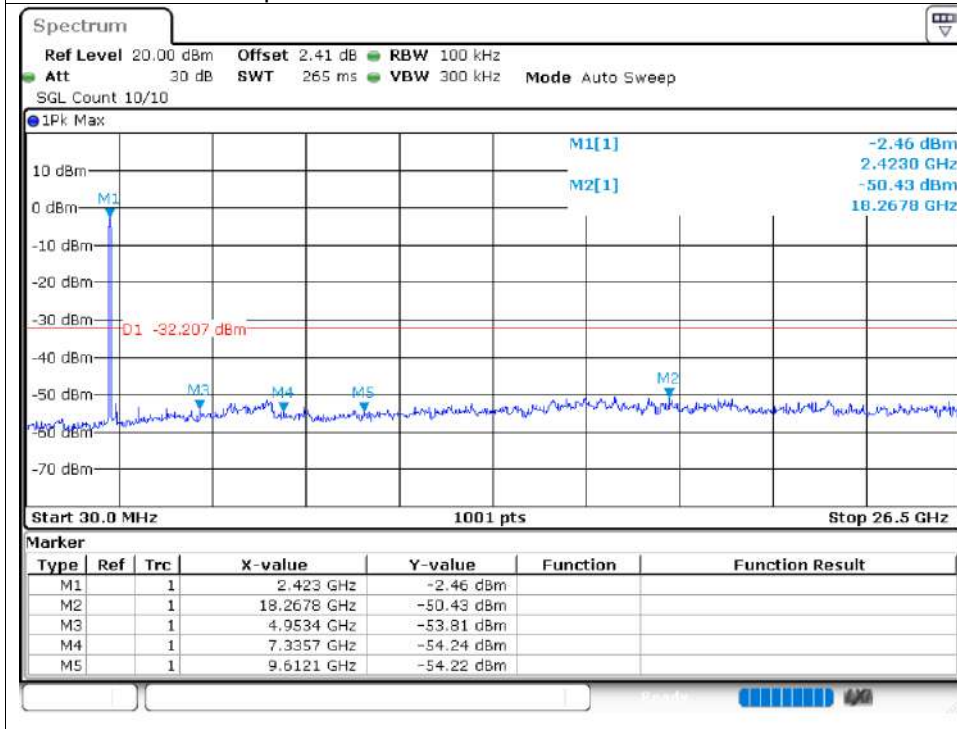
Tx. Spurious NVNT n40 2452MHz Ant1 Emission



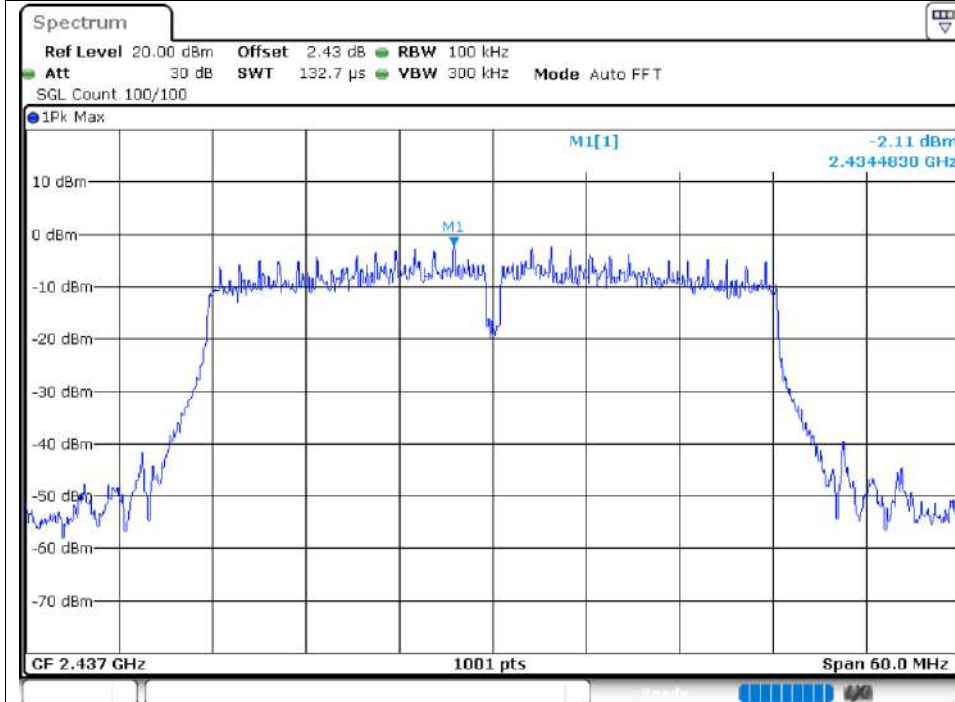
Tx. Spurious NVNT n40 2422MHz Ant2 Ref



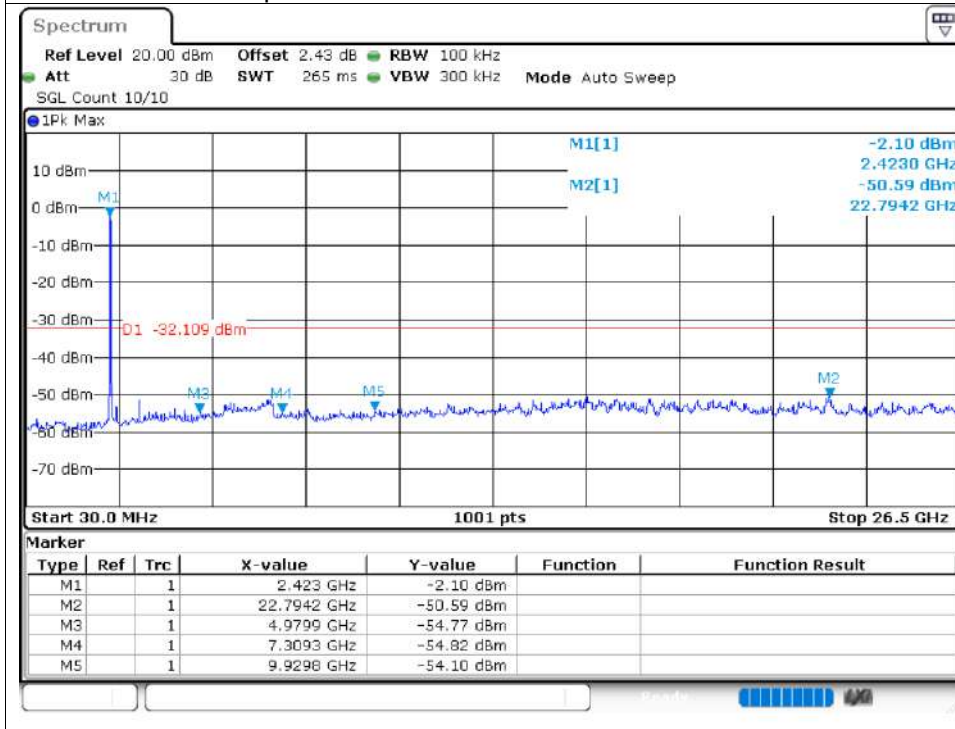
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



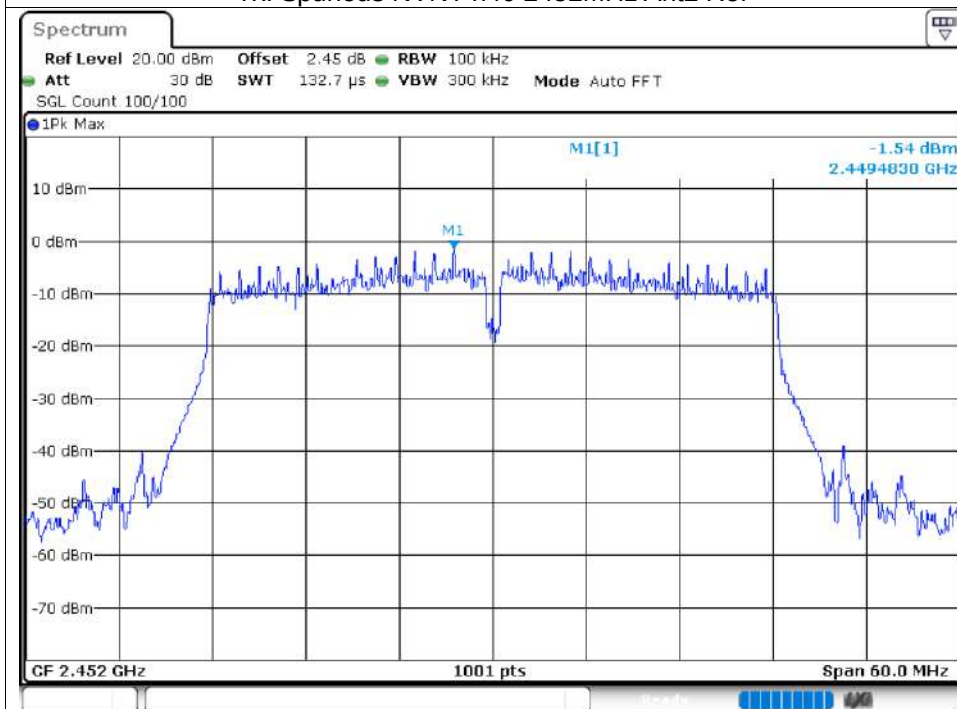
Tx. Spurious NVNT n40 2437MHz Ant2 Ref



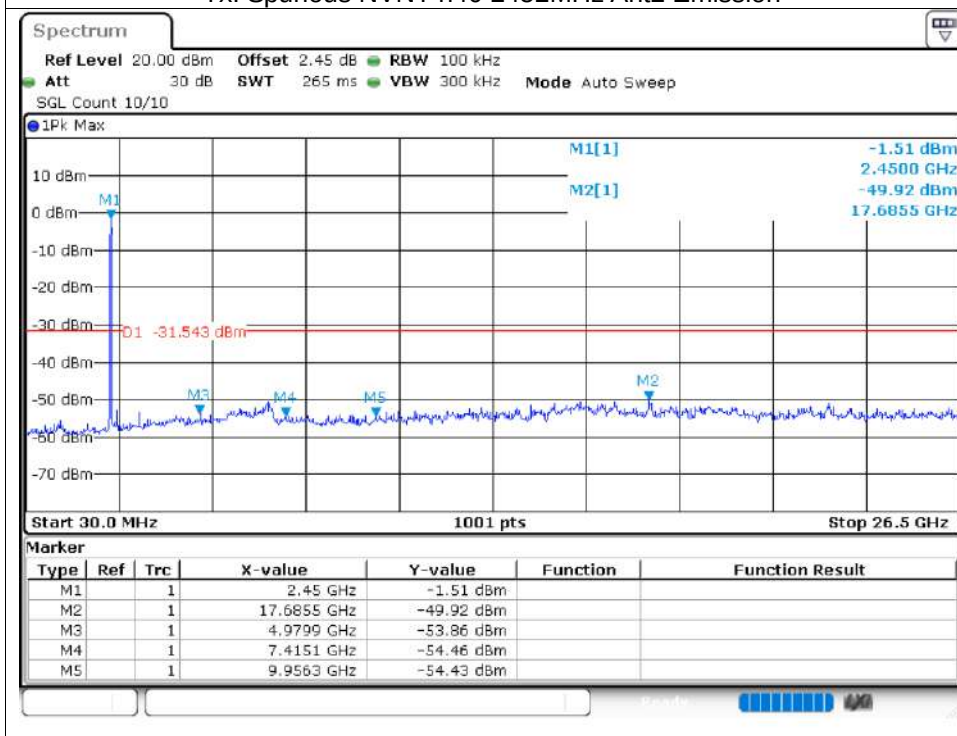
Tx. Spurious NVNT n40 2437MHz Ant2 Emission



Tx. Spurious NVNT n40 2452MHz Ant2 Ref



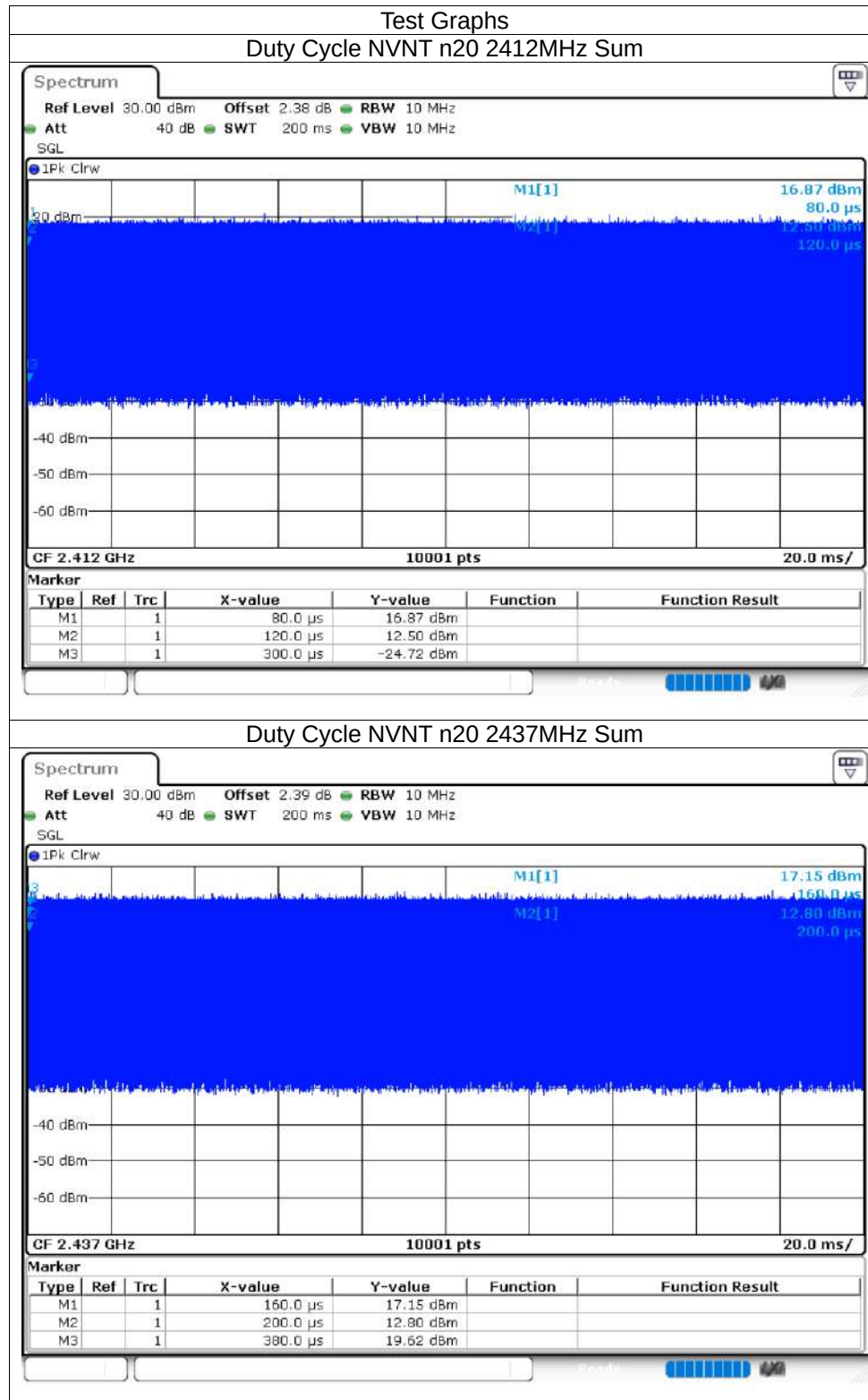
Tx. Spurious NVNT n40 2452MHz Ant2 Emission

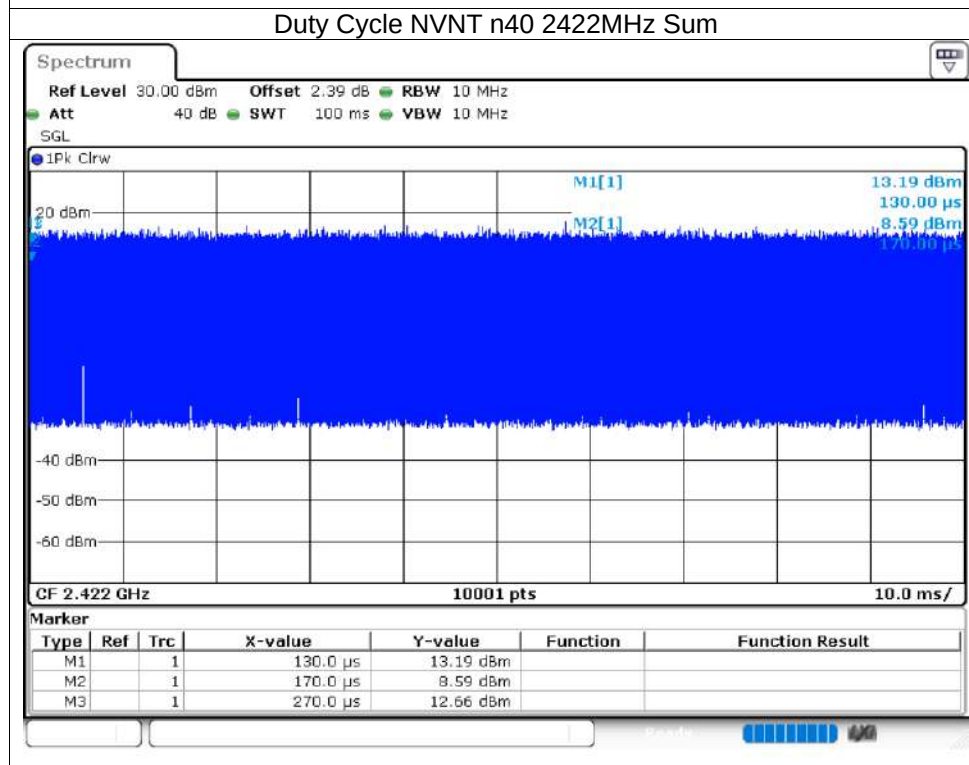
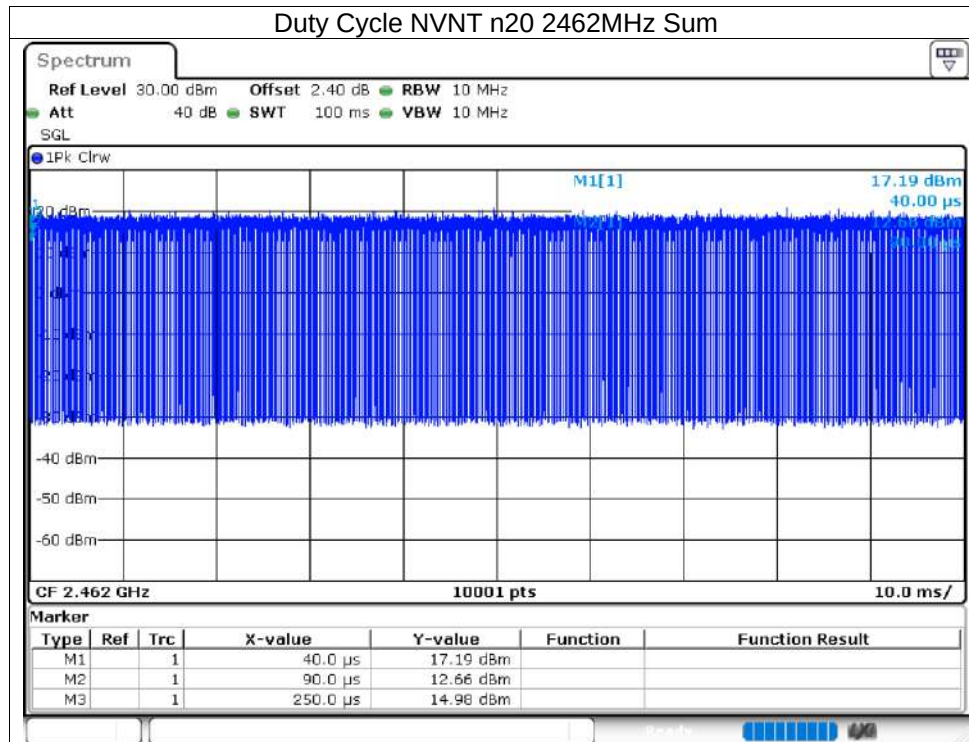


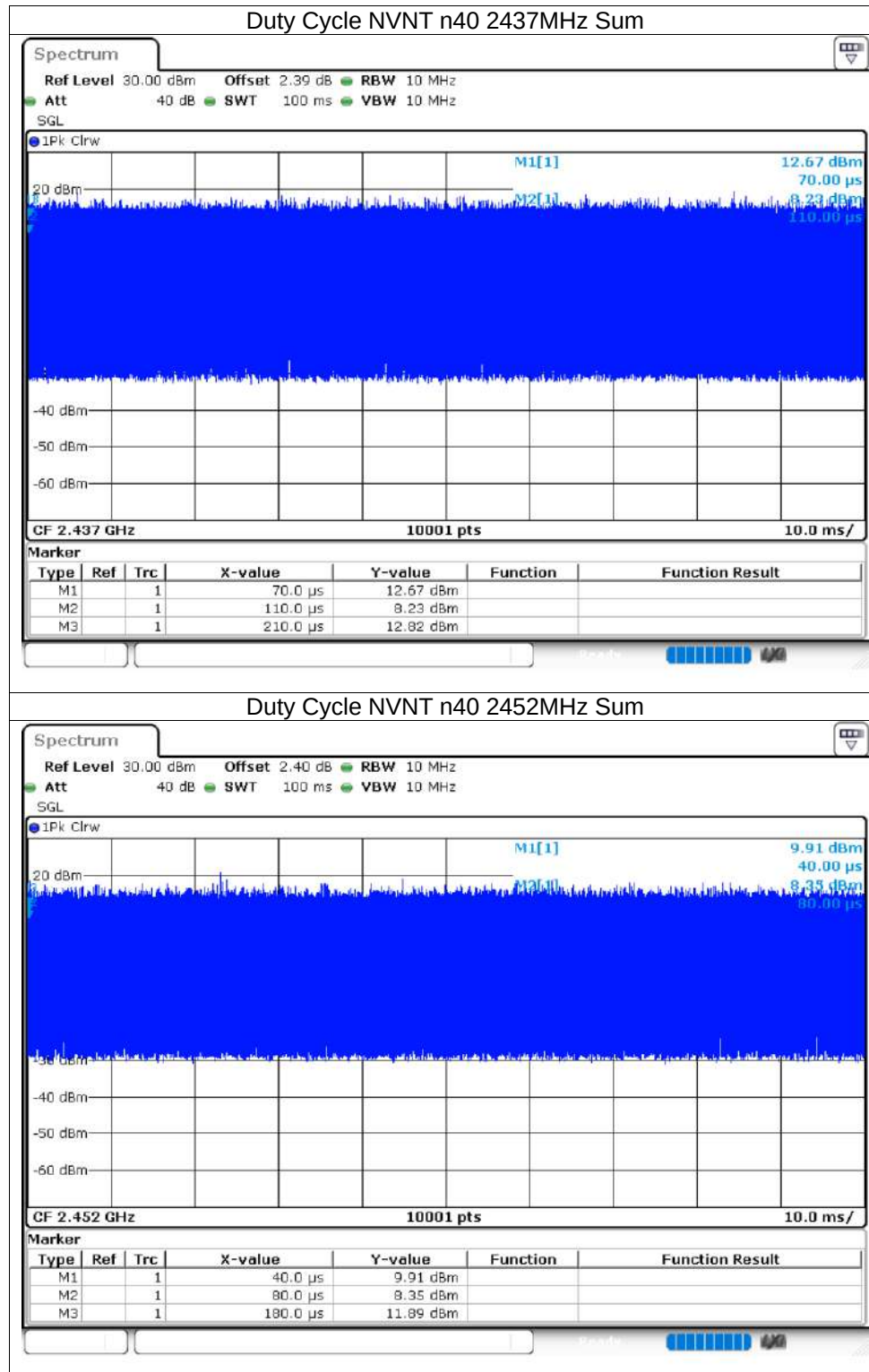
8.2 WIFI 2.4G MIMO

8.2.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	n20	2412	Sum	88.28	0.54	5.56
NVNT	n20	2437	Sum	88.57	0.53	5.56
NVNT	n20	2462	Sum	84.48	0.73	6.25
NVNT	n40	2422	Sum	76.61	1.16	10
NVNT	n40	2437	Sum	76.51	1.16	10
NVNT	n40	2452	Sum	77	1.13	10





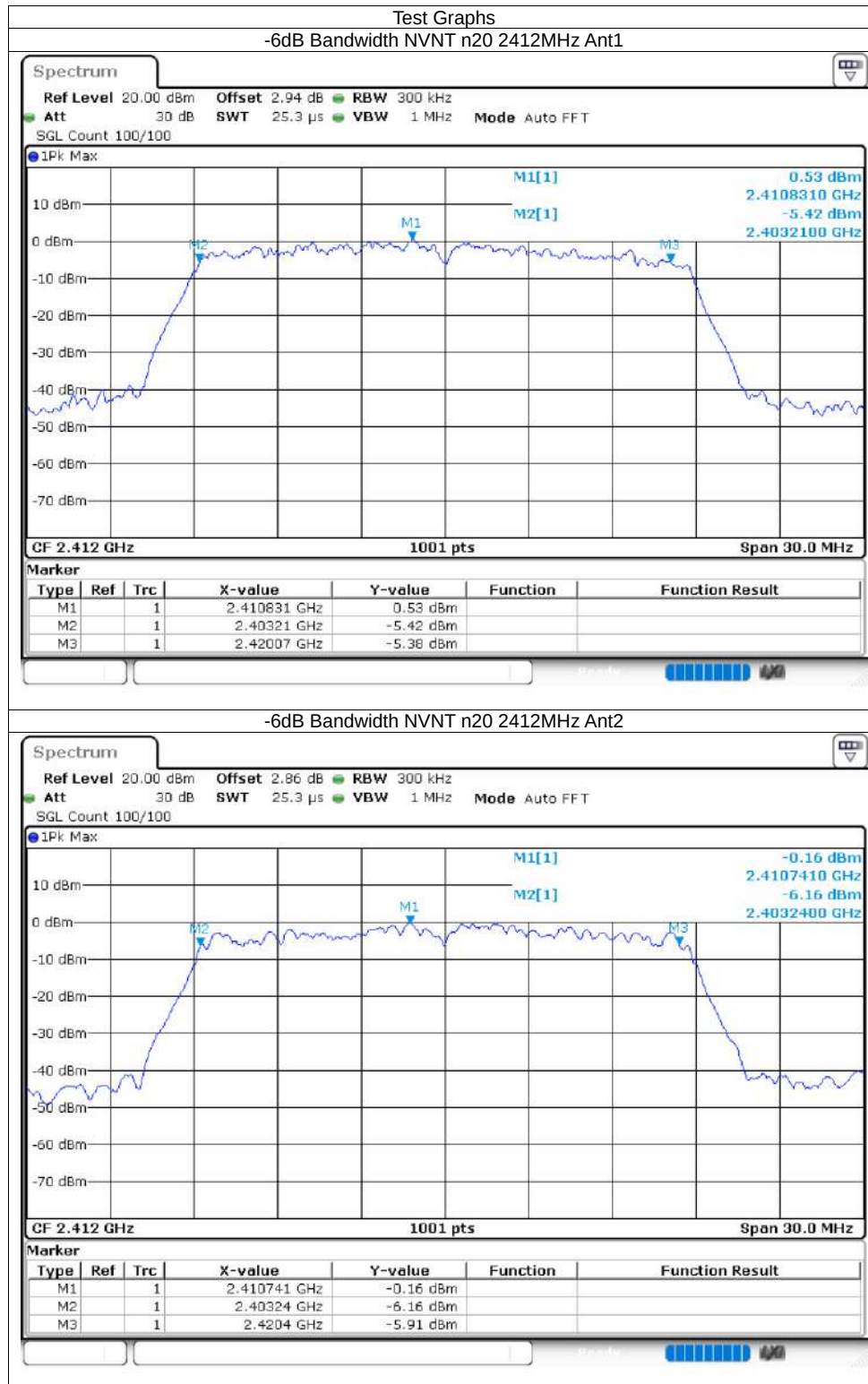


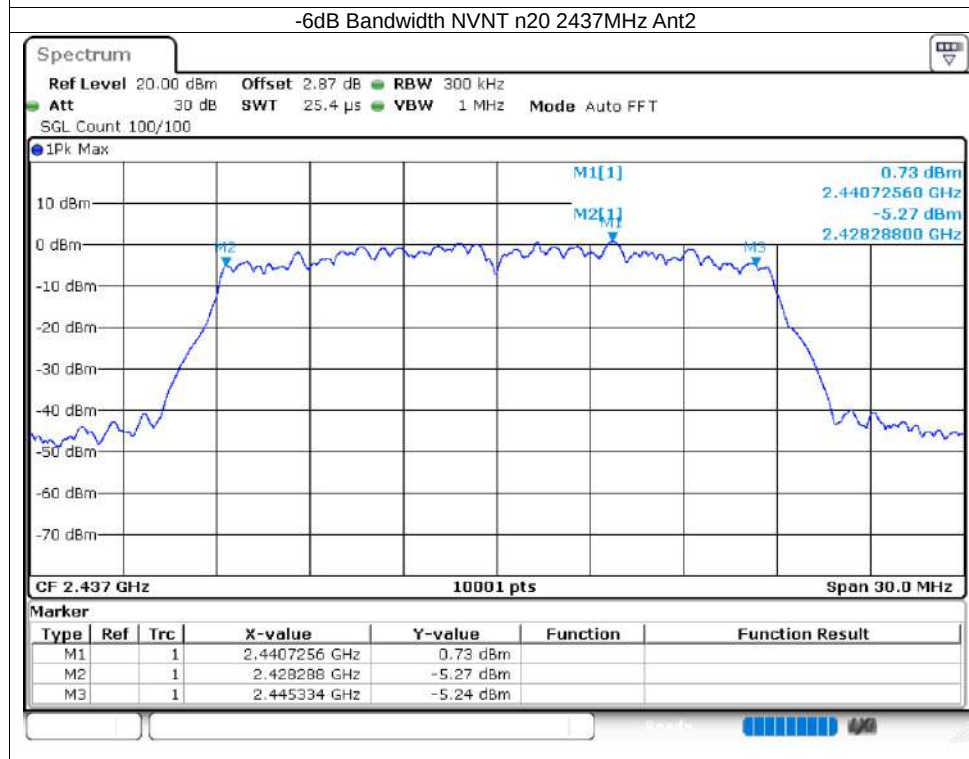
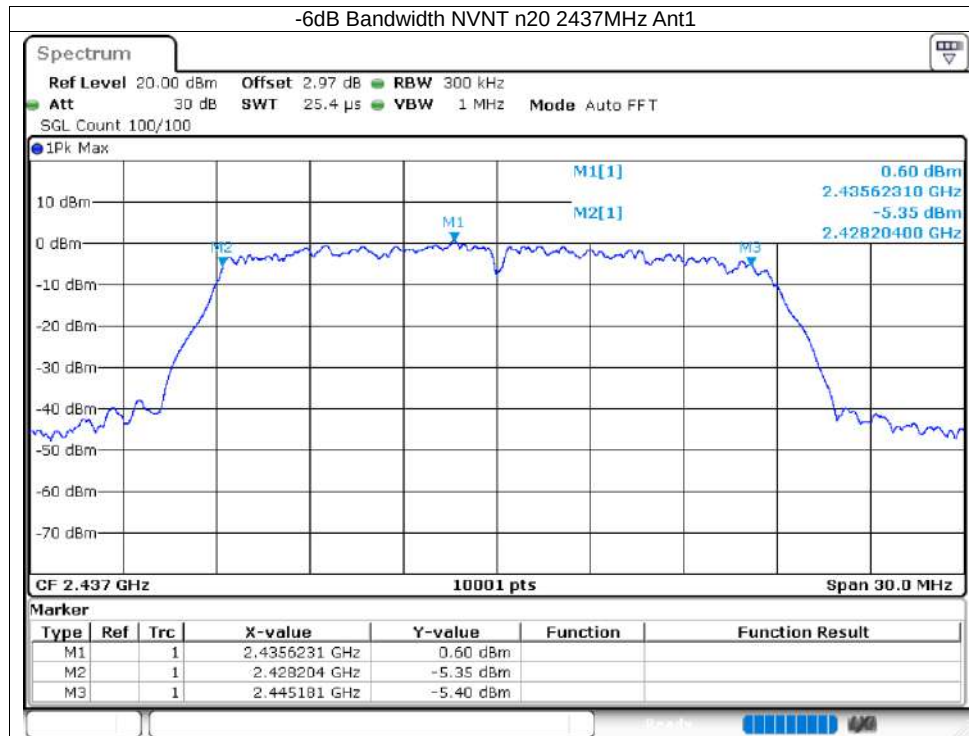
8.2.2 Maximum Average Conducted Output Power

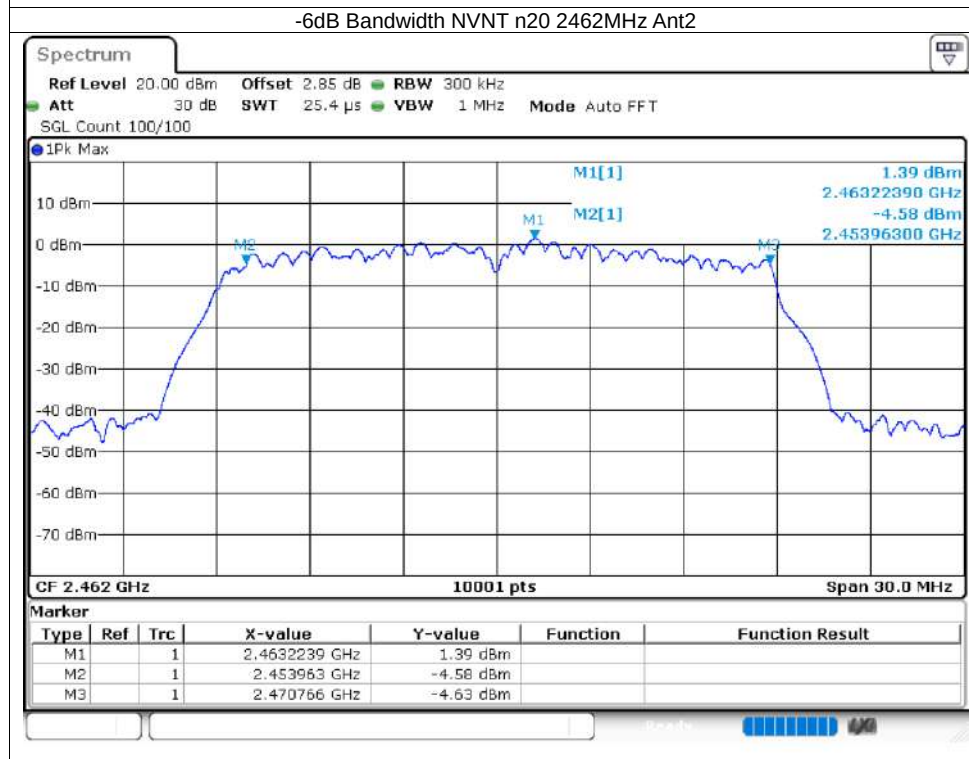
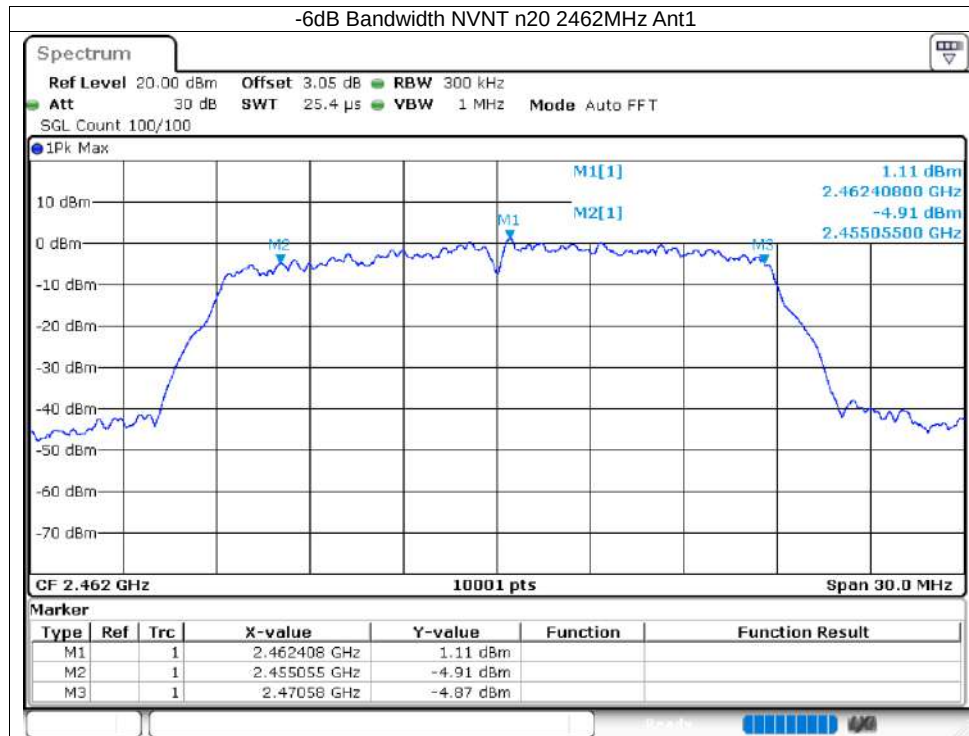
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	n20	2412	Ant1	11.43	28.87	Pass
NVNT	n20	2412	Ant2	12.03	28.87	Pass
NVNT	n20	2412	Sum	14.75	28.87	Pass
NVNT	n20	2437	Ant1	11.86	28.87	Pass
NVNT	n20	2437	Ant2	12.04	28.87	Pass
NVNT	n20	2437	Sum	14.96	28.87	Pass
NVNT	n20	2462	Ant1	11.69	28.87	Pass
NVNT	n20	2462	Ant2	12.18	28.87	Pass
NVNT	n20	2462	Sum	14.95	28.87	Pass
NVNT	n40	2422	Ant1	11.01	28.87	Pass
NVNT	n40	2422	Ant2	11.52	28.87	Pass
NVNT	n40	2422	Sum	14.28	28.87	Pass
NVNT	n40	2437	Ant1	11.09	28.87	Pass
NVNT	n40	2437	Ant2	11.52	28.87	Pass
NVNT	n40	2437	Sum	14.32	28.87	Pass
NVNT	n40	2452	Ant1	11.15	28.87	Pass
NVNT	n40	2452	Ant2	11.64	28.87	Pass
NVNT	n40	2452	Sum	14.41	28.87	Pass

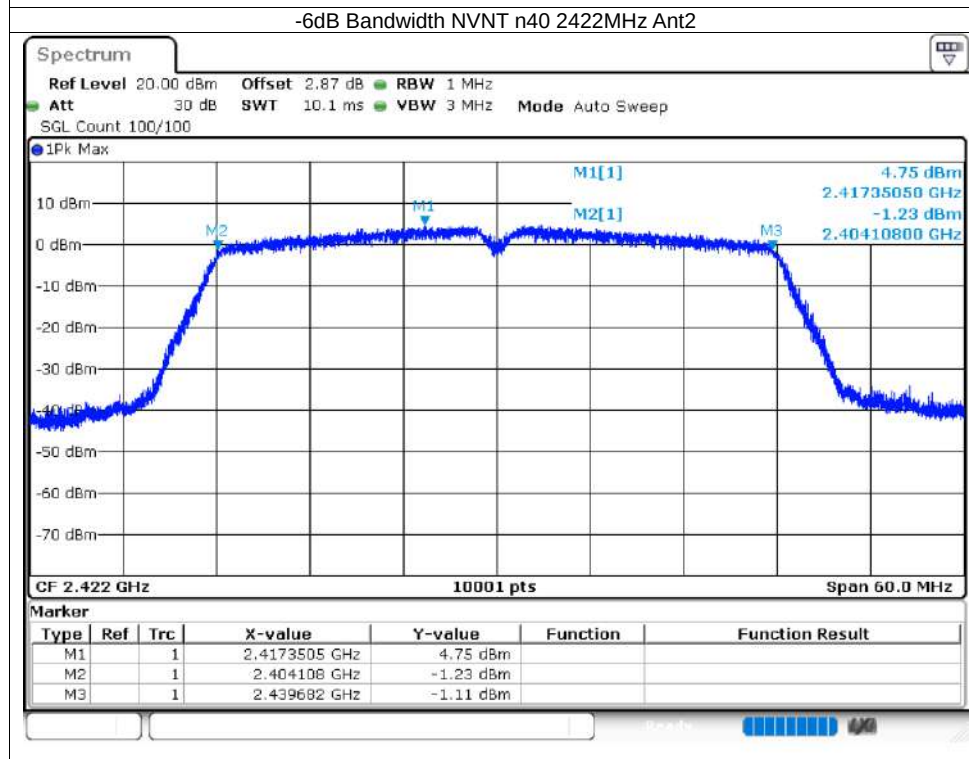
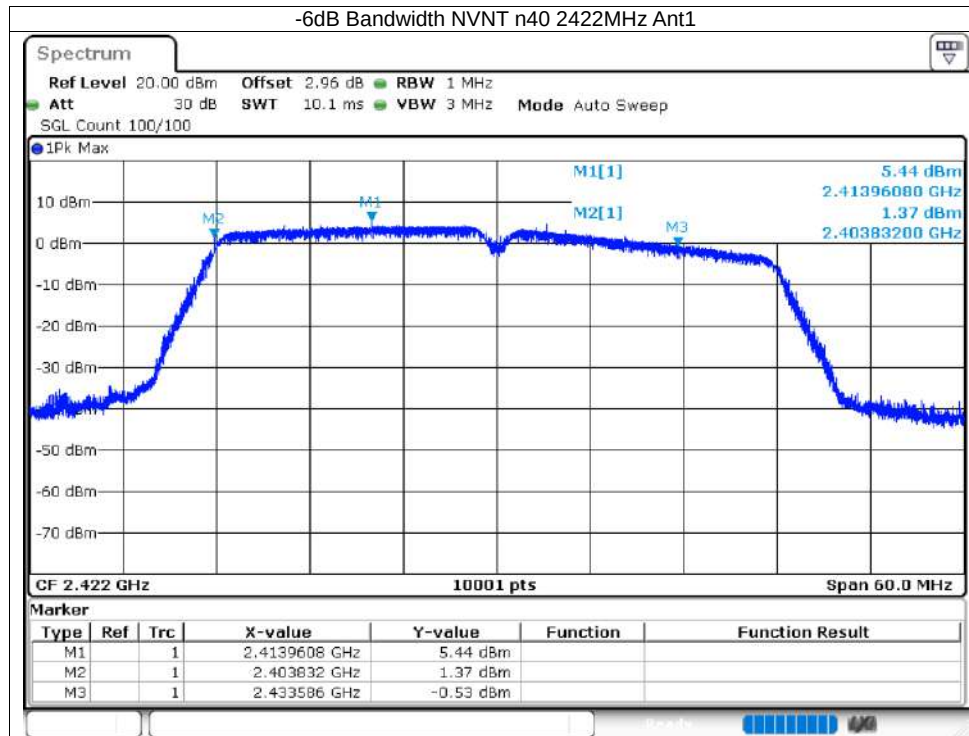
8.2.3 -6dB Bandwidth

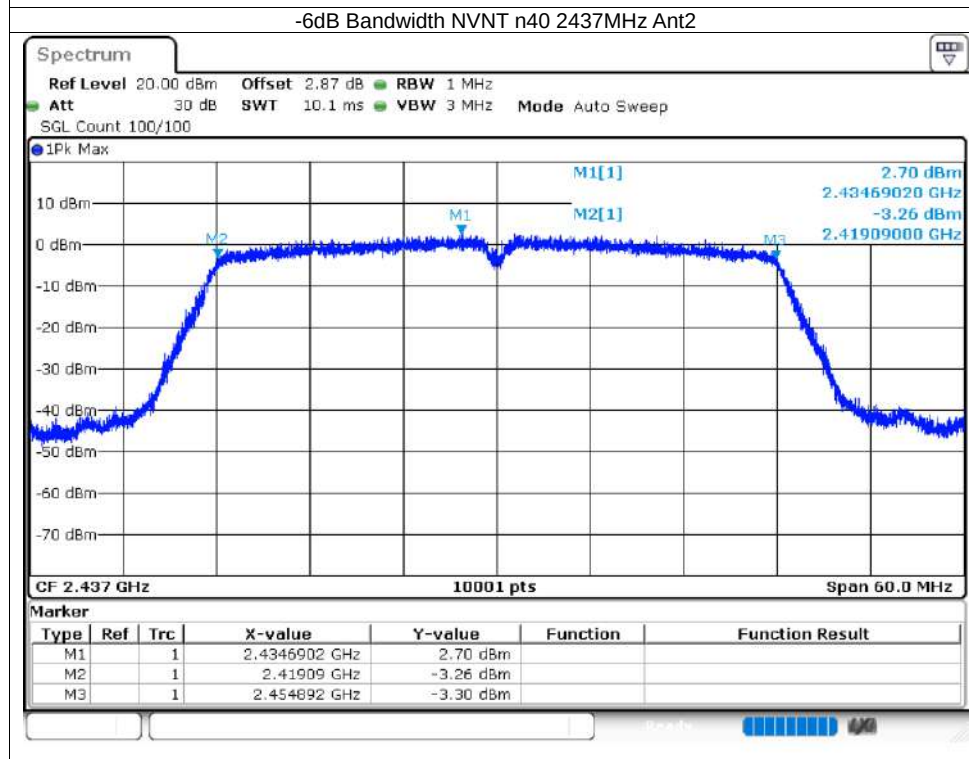
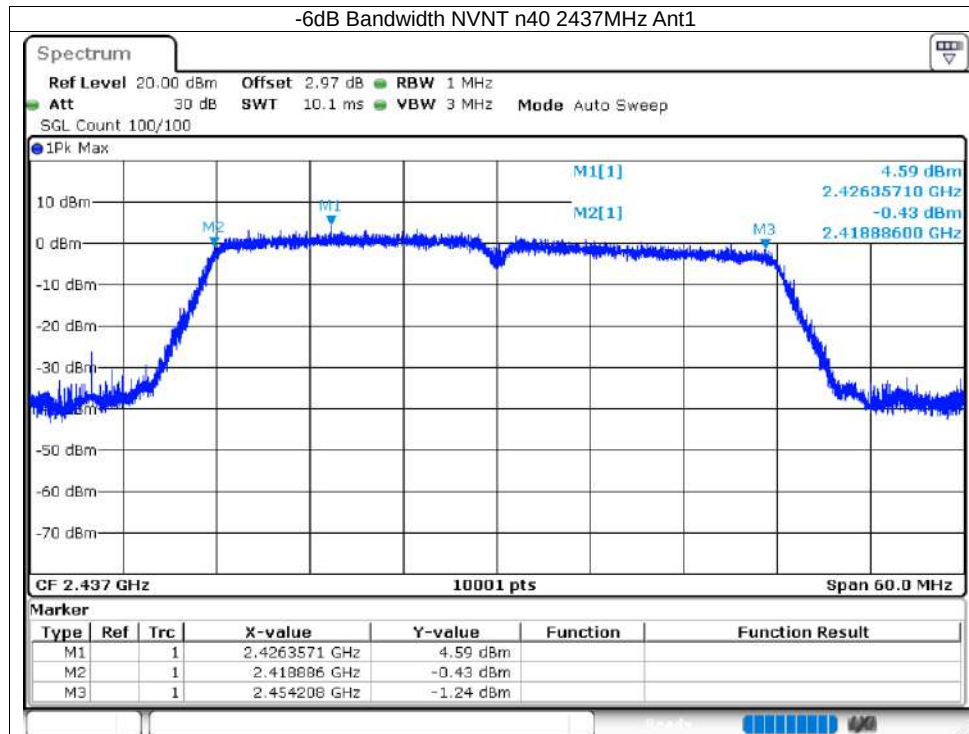
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	n20	2412	Ant1	16.86	0.5	Pass
NVNT	n20	2412	Ant2	17.16	0.5	Pass
NVNT	n20	2437	Ant1	16.977	0.5	Pass
NVNT	n20	2437	Ant2	17.046	0.5	Pass
NVNT	n20	2462	Ant1	15.525	0.5	Pass
NVNT	n20	2462	Ant2	16.803	0.5	Pass
NVNT	n40	2422	Ant1	29.754	0.5	Pass
NVNT	n40	2422	Ant2	35.574	0.5	Pass
NVNT	n40	2437	Ant1	35.322	0.5	Pass
NVNT	n40	2437	Ant2	35.802	0.5	Pass
NVNT	n40	2452	Ant1	36.186	0.5	Pass
NVNT	n40	2452	Ant2	35.496	0.5	Pass

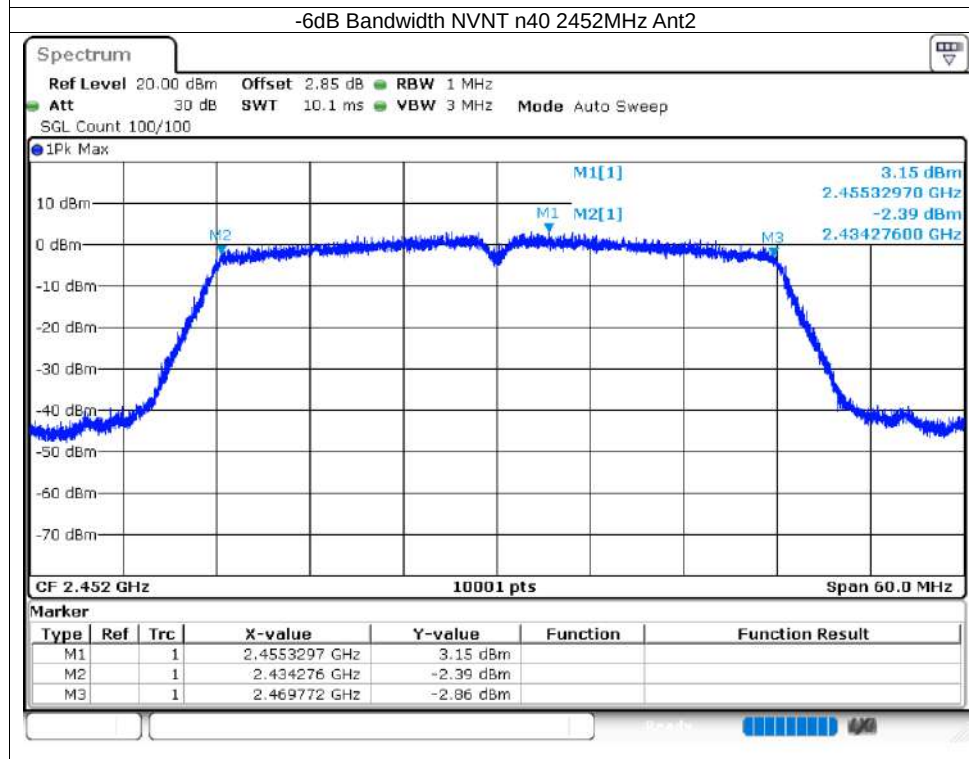
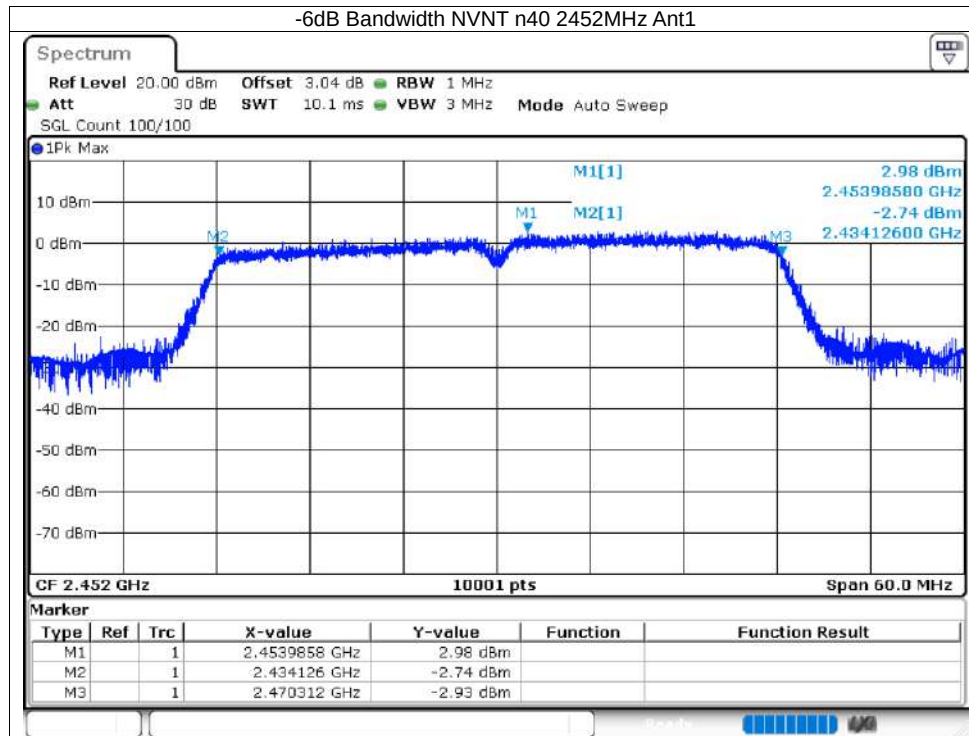








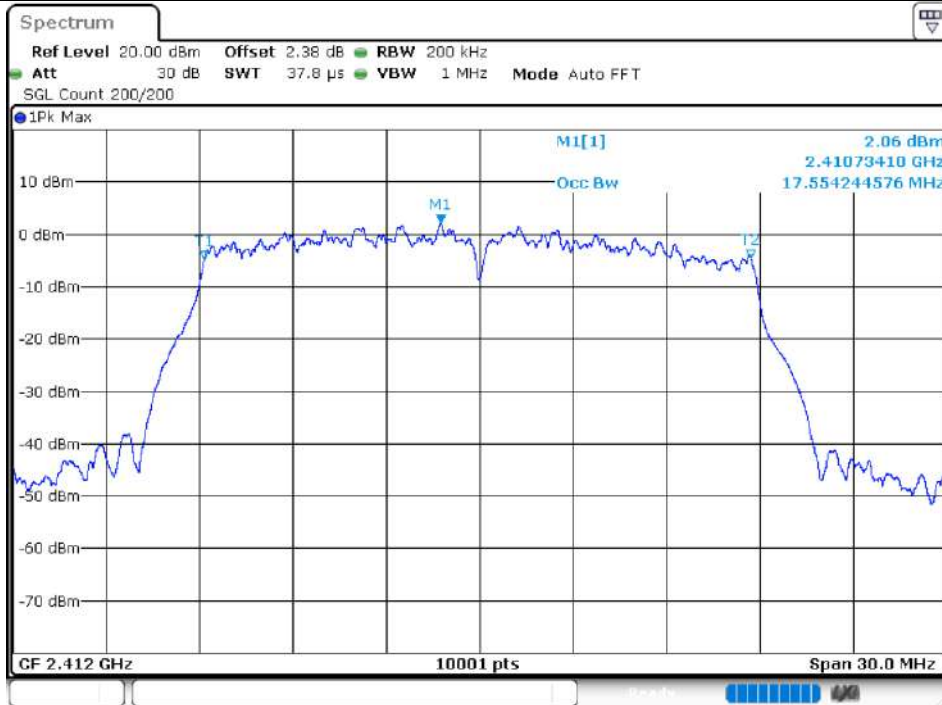




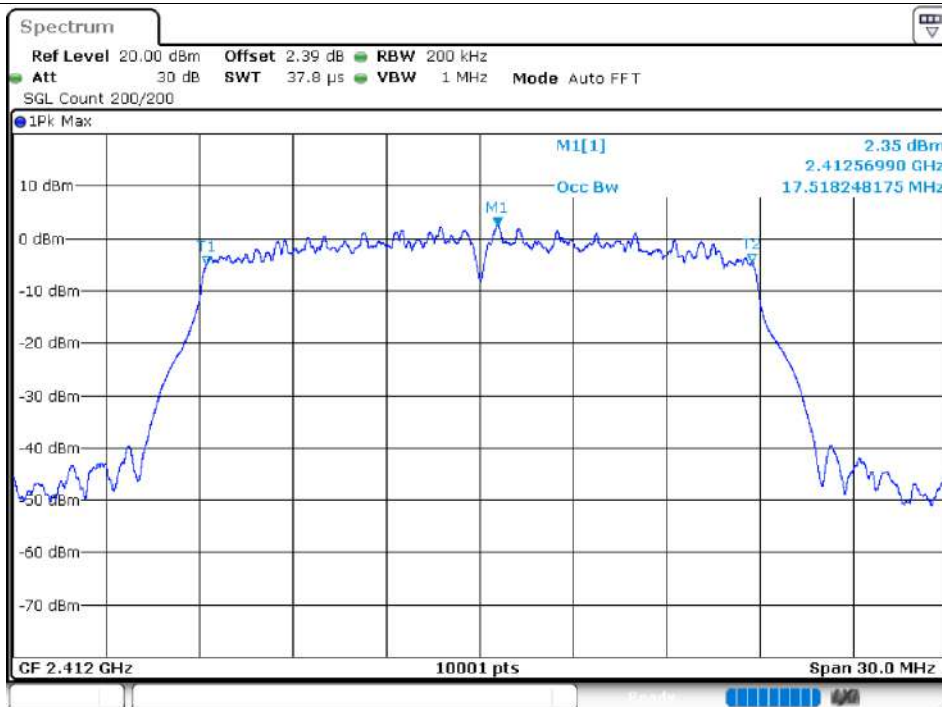
8.2.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	n20	2412	Ant1	17.554
NVNT	n20	2412	Ant2	17.518
NVNT	n20	2437	Ant1	17.647
NVNT	n20	2437	Ant2	17.53
NVNT	n20	2462	Ant1	17.404
NVNT	n20	2462	Ant2	17.506
NVNT	n40	2422	Ant1	35.936
NVNT	n40	2422	Ant2	36.044
NVNT	n40	2437	Ant1	36.536
NVNT	n40	2437	Ant2	36.062
NVNT	n40	2452	Ant1	36.296
NVNT	n40	2452	Ant2	36.02

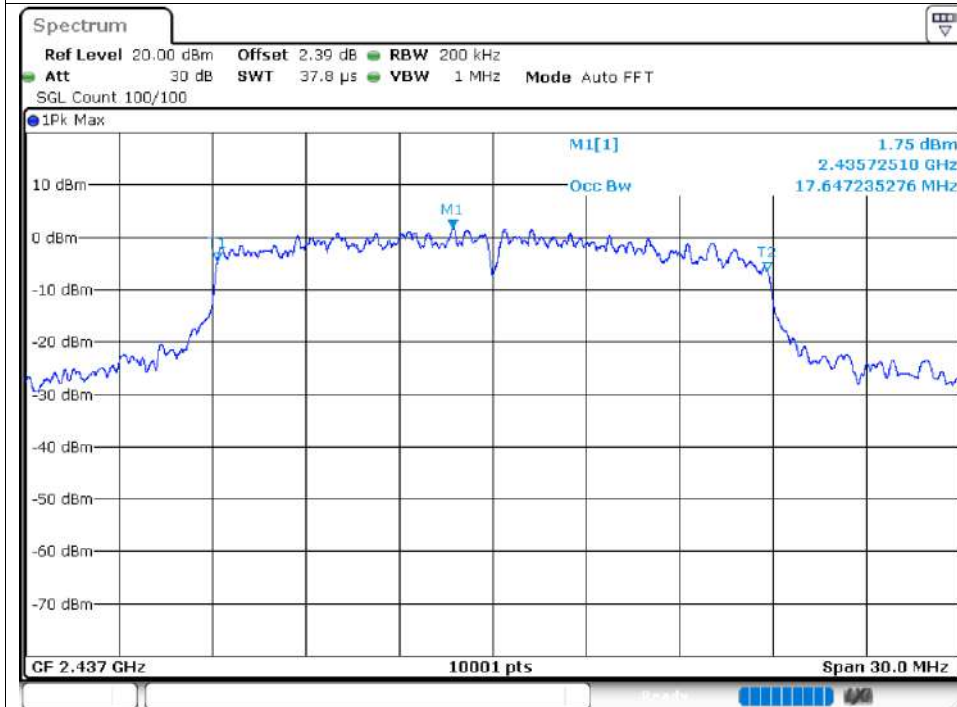
Test Graphs OBW NVNT n20 2412MHz Ant1



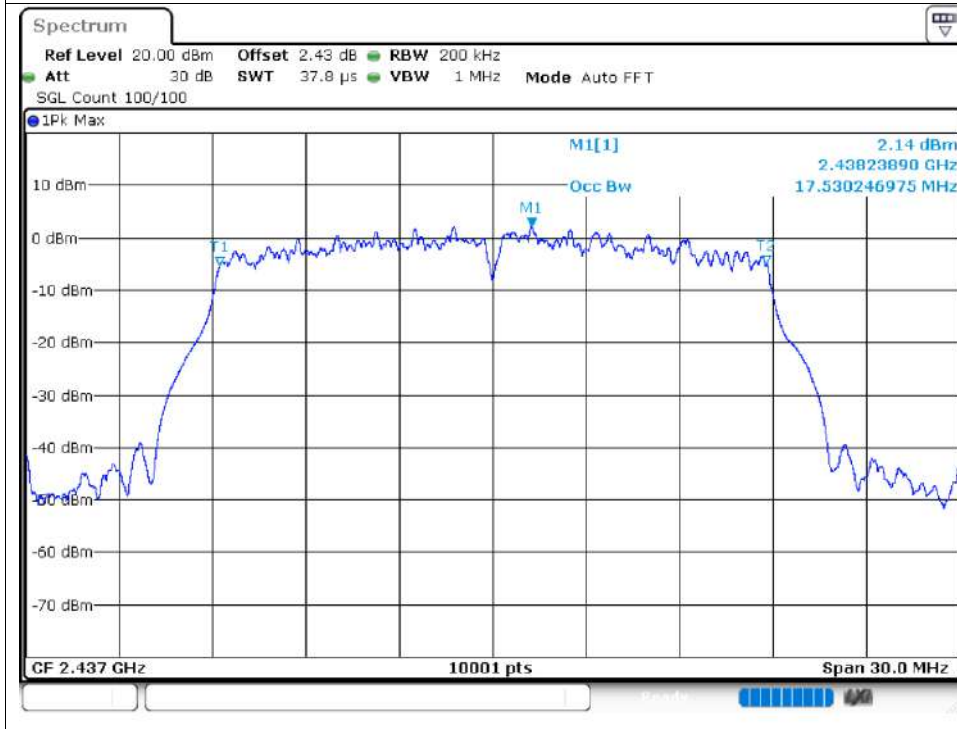
OBW NVNT n20 2412MHz Ant2



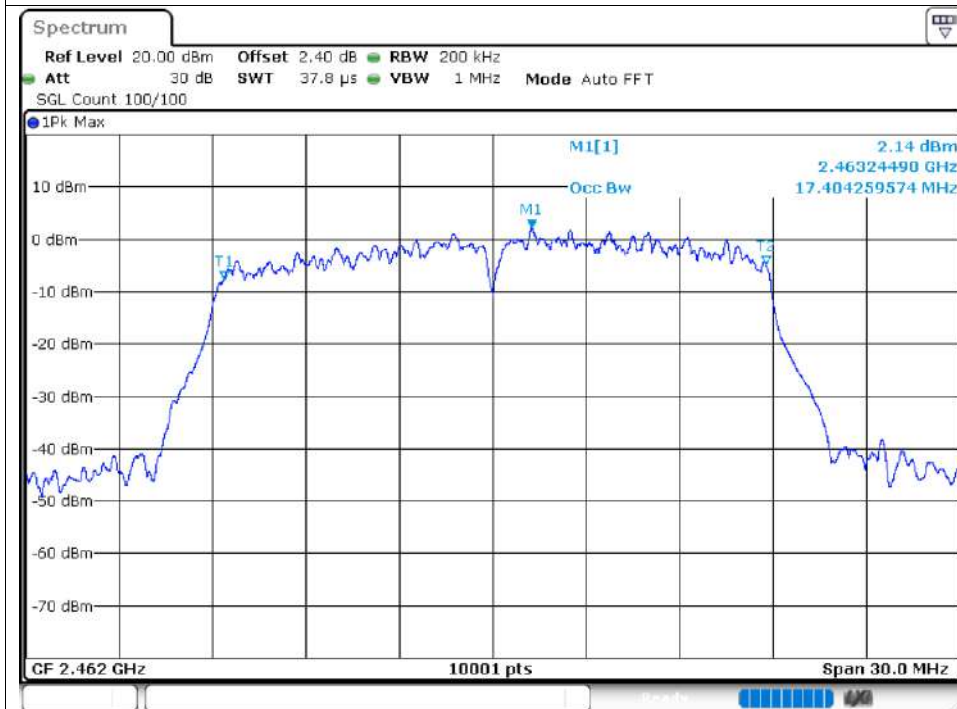
OBW NVNT n20 2437MHz Ant1



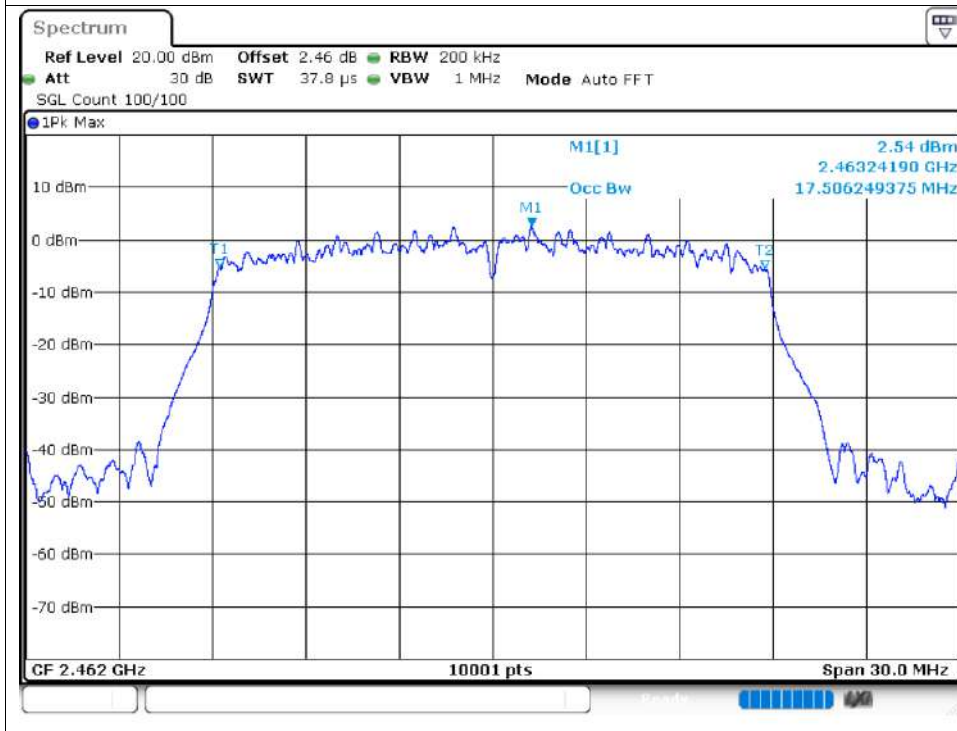
OBW NVNT n20 2437MHz Ant2



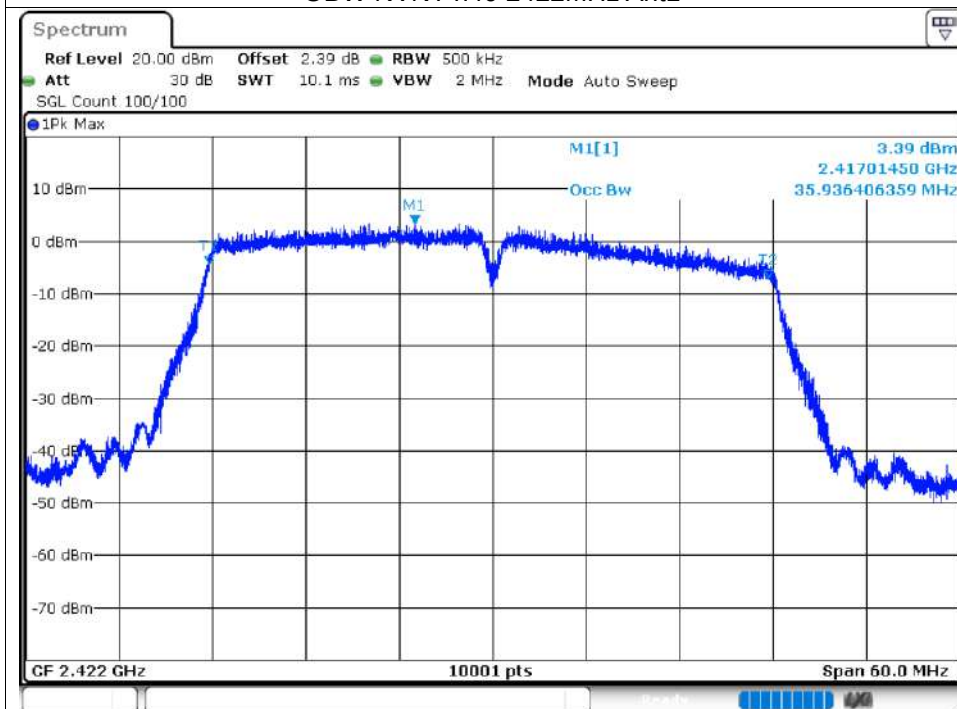
OBW NVNT n20 2462MHz Ant1



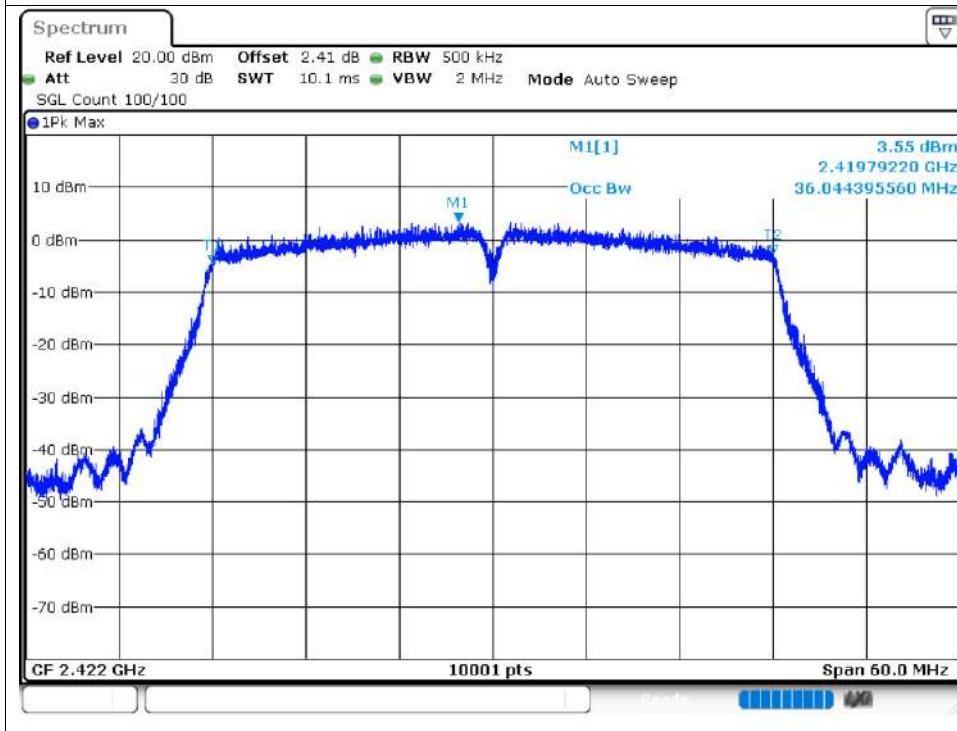
OBW NVNT n20 2462MHz Ant2



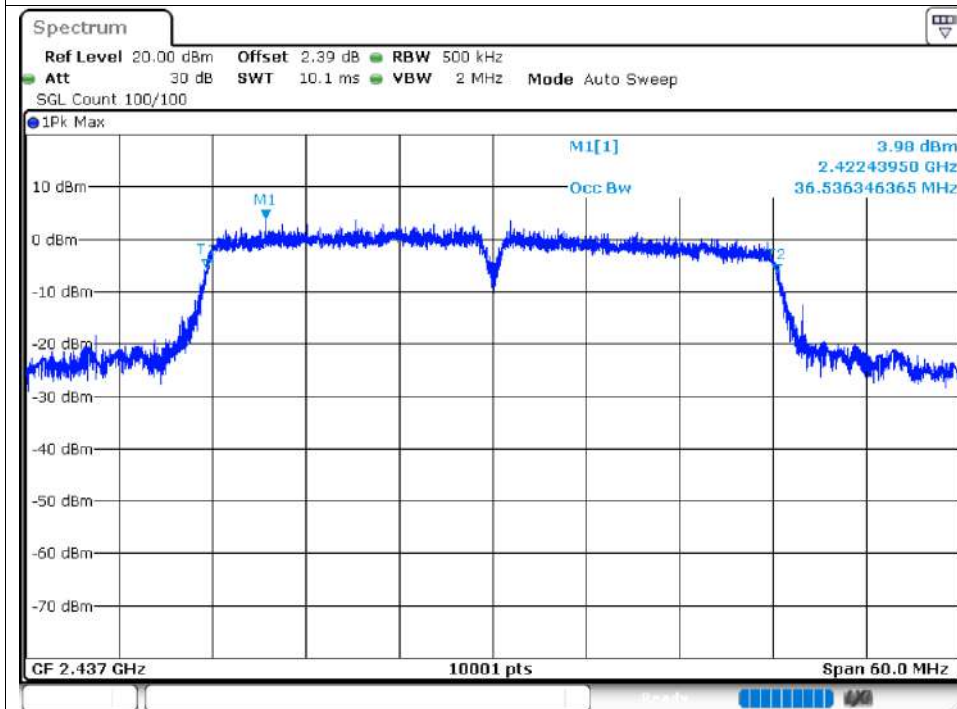
OBW NVNT n40 2422MHz Ant1



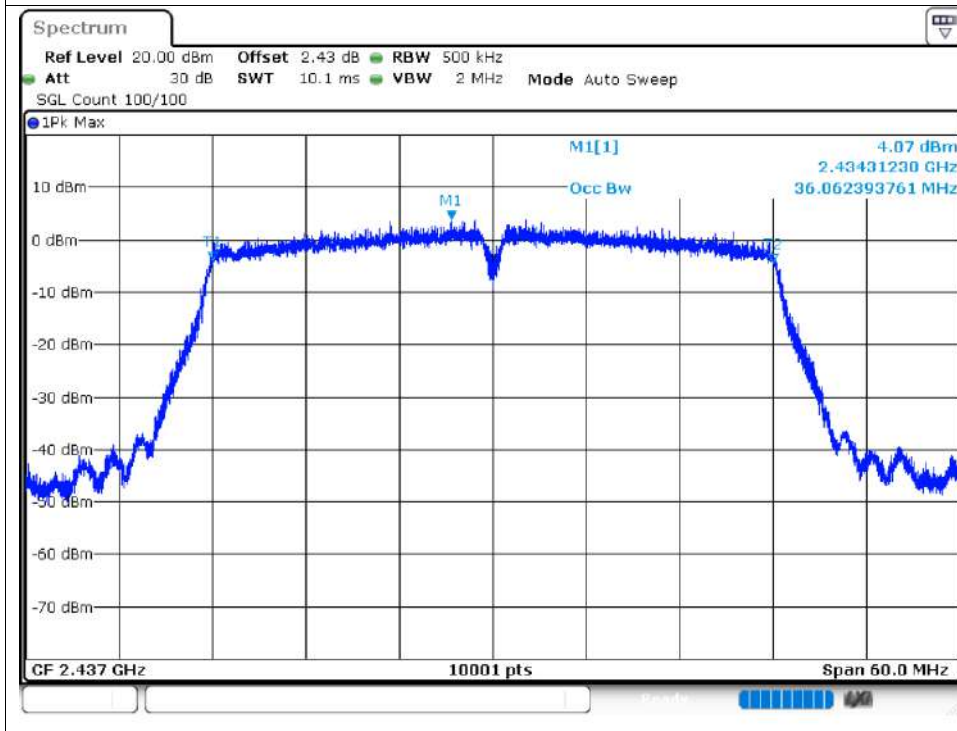
OBW NVNT n40 2422MHz Ant2



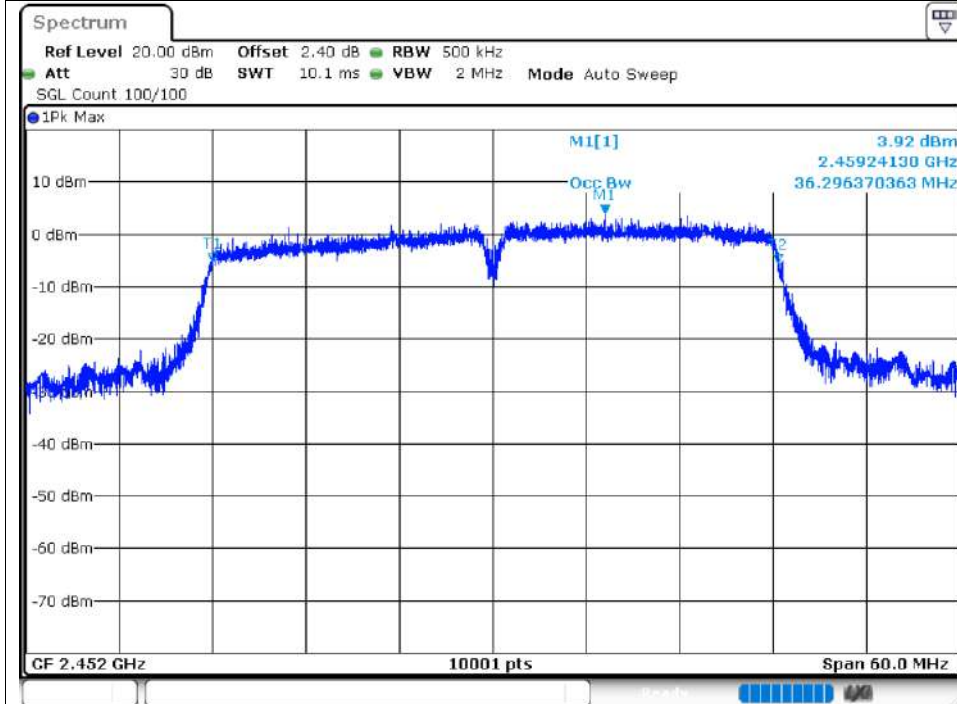
OBW NVNT n40 2437MHz Ant1



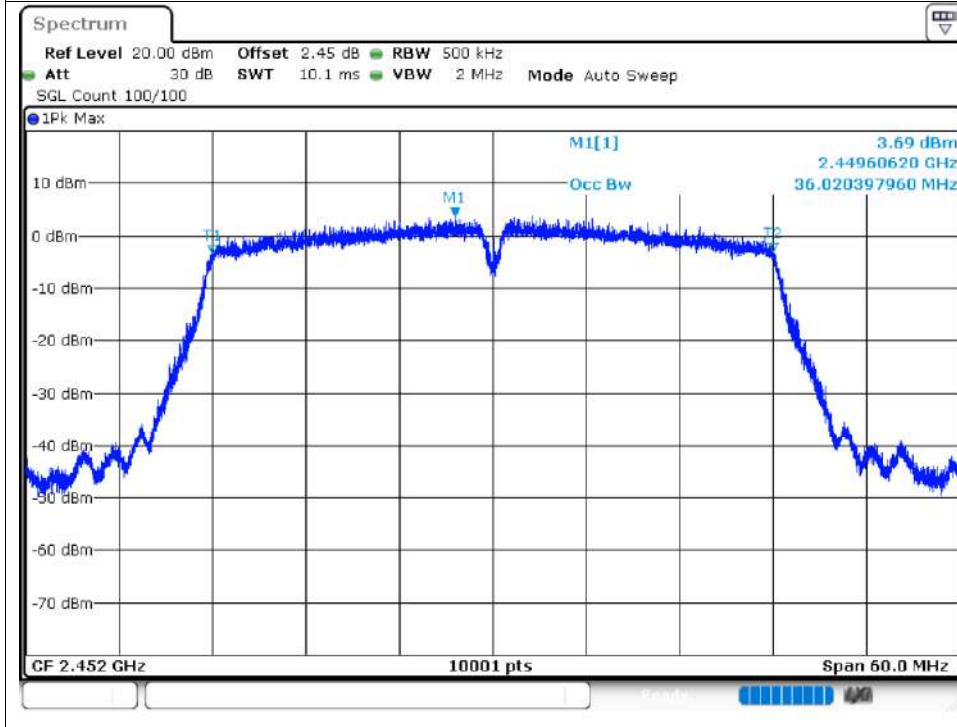
OBW NVNT n40 2437MHz Ant2



OBW NVNT n40 2452MHz Ant1

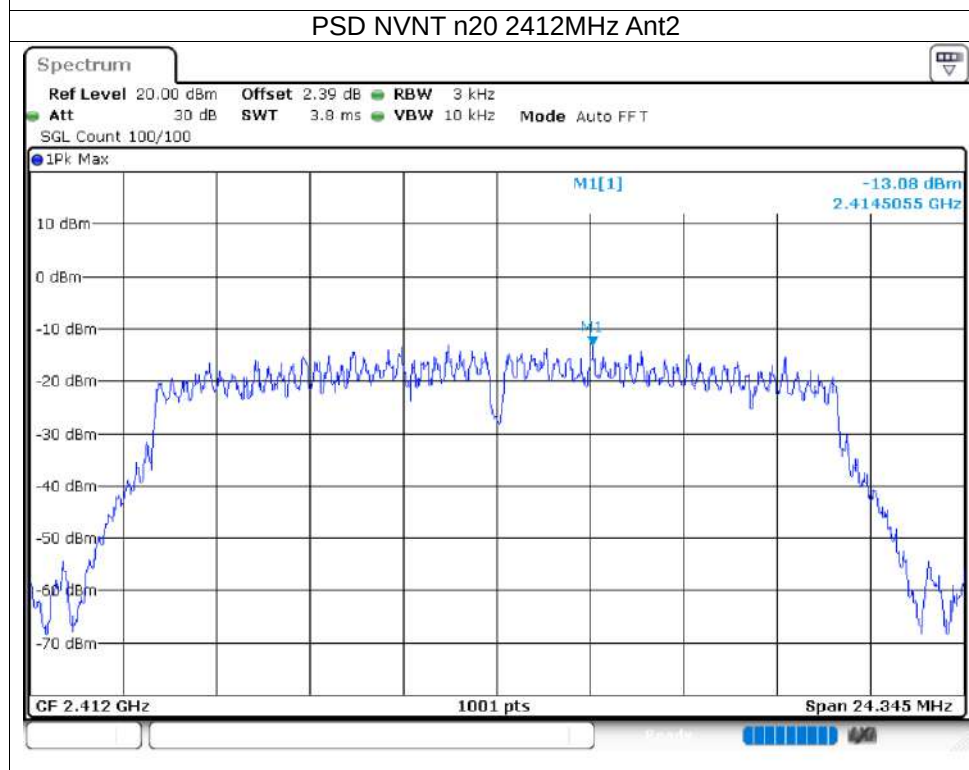
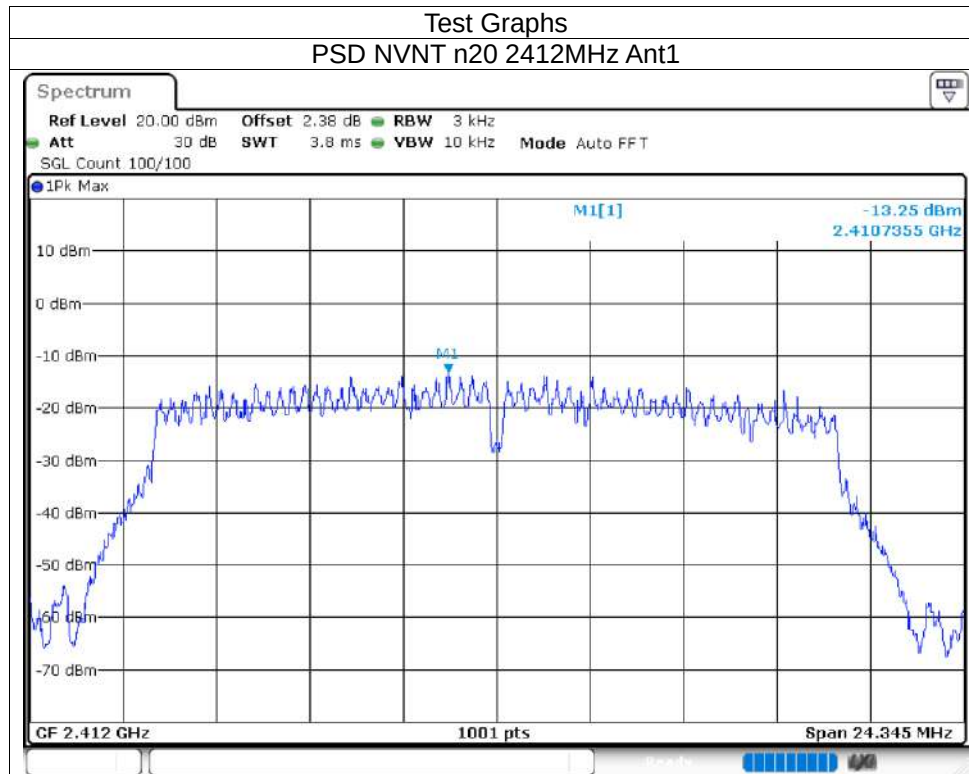


OBW NVNT n40 2452MHz Ant2

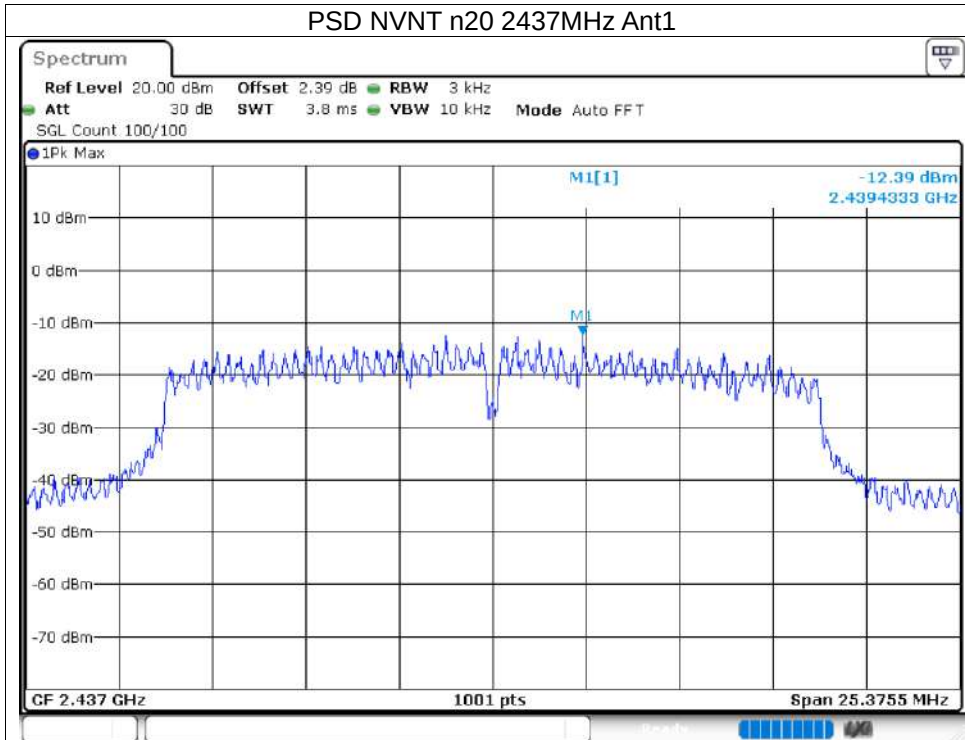


8.2.5 Maximum Power Spectral Density Level

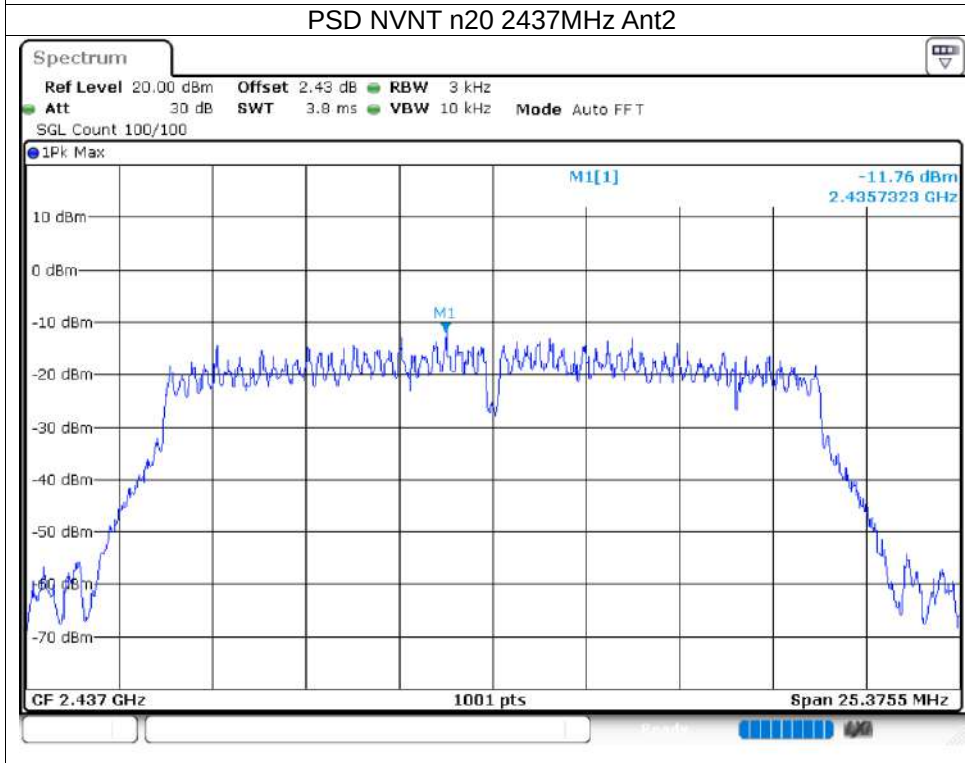
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	n20	2412	Ant1	-13.25	8	Pass
NVNT	n20	2412	Ant2	-13.08	8	Pass
NVNT	n20	2412	Sum	-10.15	8	Pass
NVNT	n20	2437	Ant1	-12.39	8	Pass
NVNT	n20	2437	Ant2	-11.76	8	Pass
NVNT	n20	2437	Sum	-9.05	8	Pass
NVNT	n20	2462	Ant1	-13.43	8	Pass
NVNT	n20	2462	Ant2	-11.14	8	Pass
NVNT	n20	2462	Sum	-9.13	8	Pass
NVNT	n40	2422	Ant1	-15.13	8	Pass
NVNT	n40	2422	Ant2	-15.25	8	Pass
NVNT	n40	2422	Sum	-12.18	8	Pass
NVNT	n40	2437	Ant1	-15.83	8	Pass
NVNT	n40	2437	Ant2	-15.21	8	Pass
NVNT	n40	2437	Sum	-12.5	8	Pass
NVNT	n40	2452	Ant1	-15.84	8	Pass
NVNT	n40	2452	Ant2	-14.94	8	Pass
NVNT	n40	2452	Sum	-12.36	8	Pass



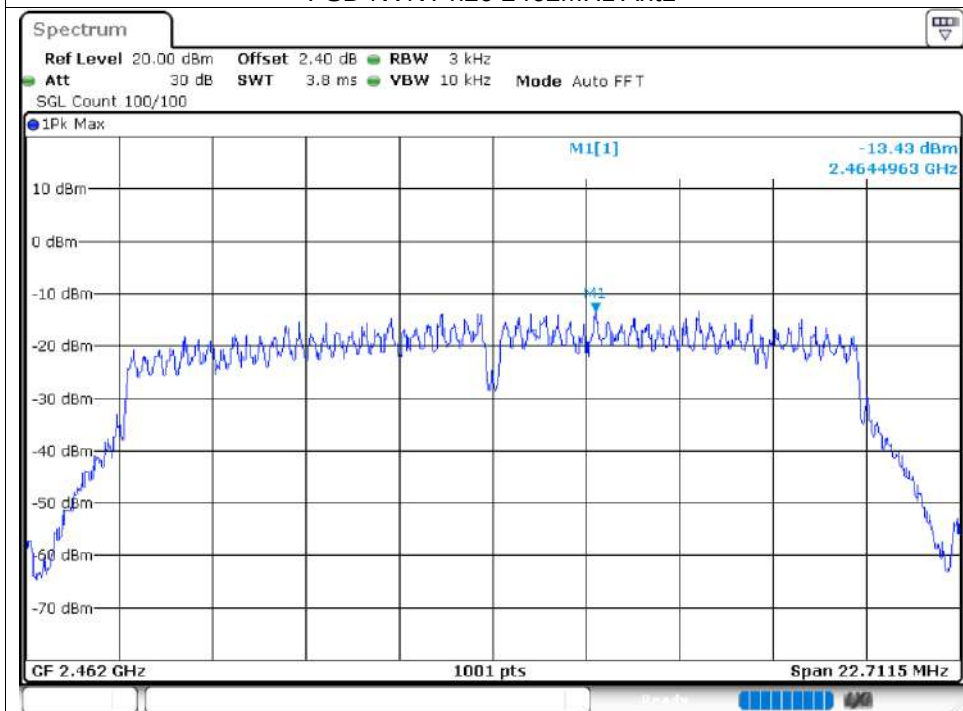
PSD NVNT n20 2437MHz Ant1



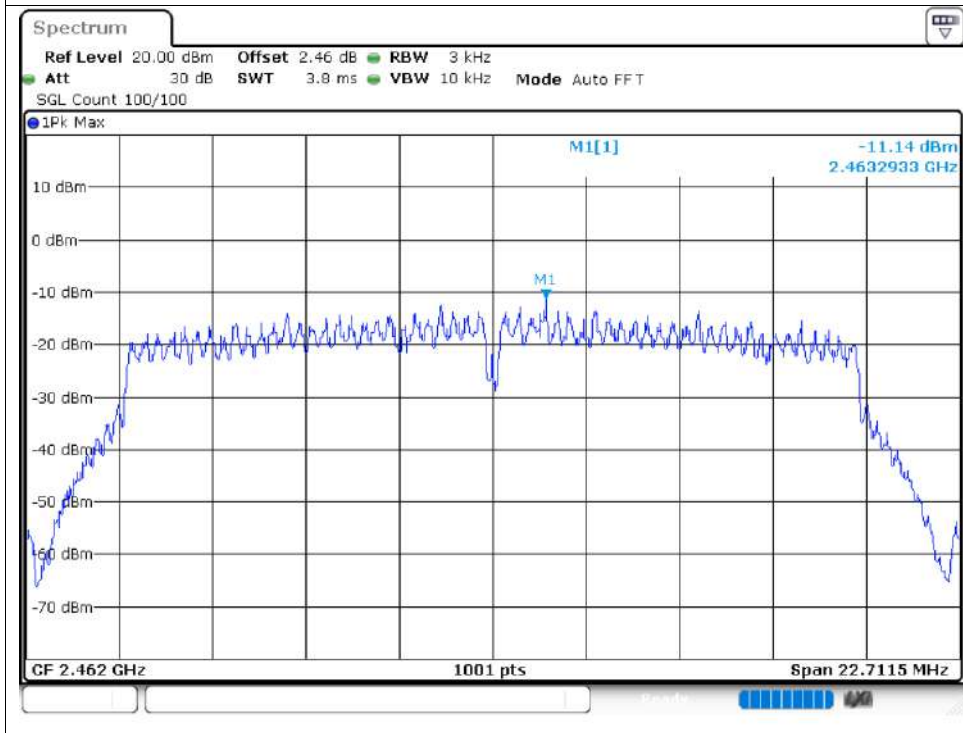
PSD NVNT n20 2437MHz Ant2



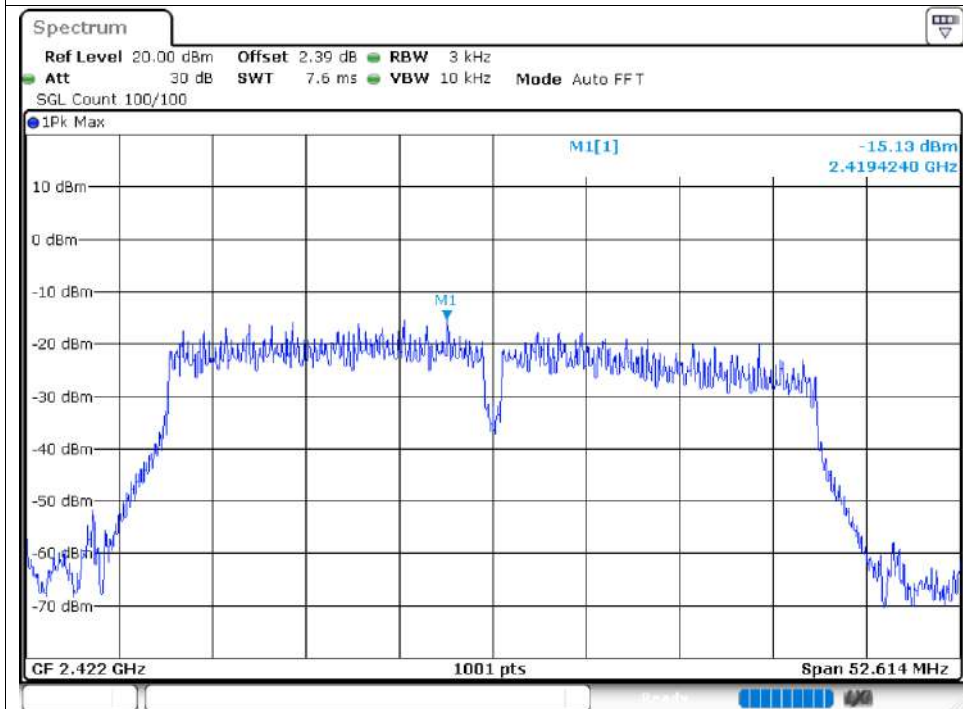
PSD NVNT n20 2462MHz Ant1



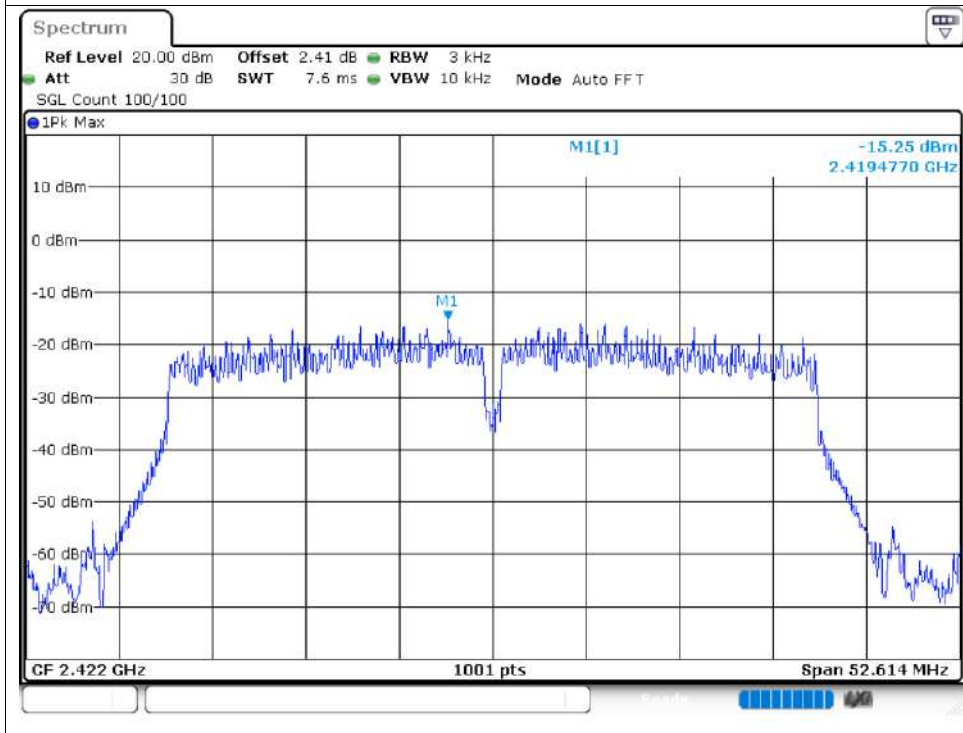
PSD NVNT n20 2462MHz Ant2



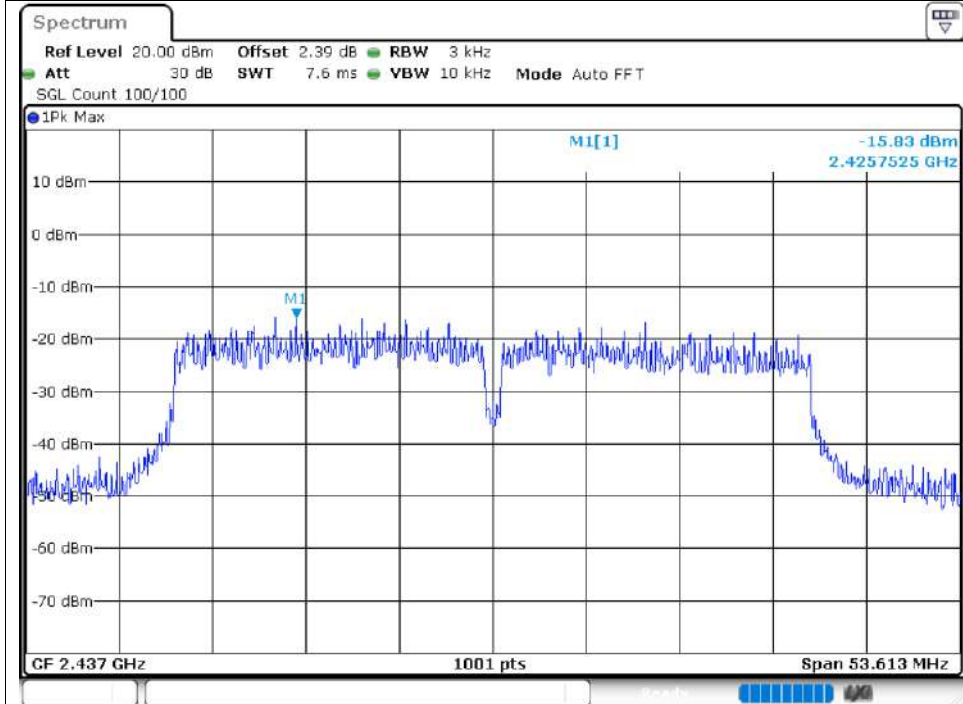
PSD NVNT n40 2422MHz Ant1



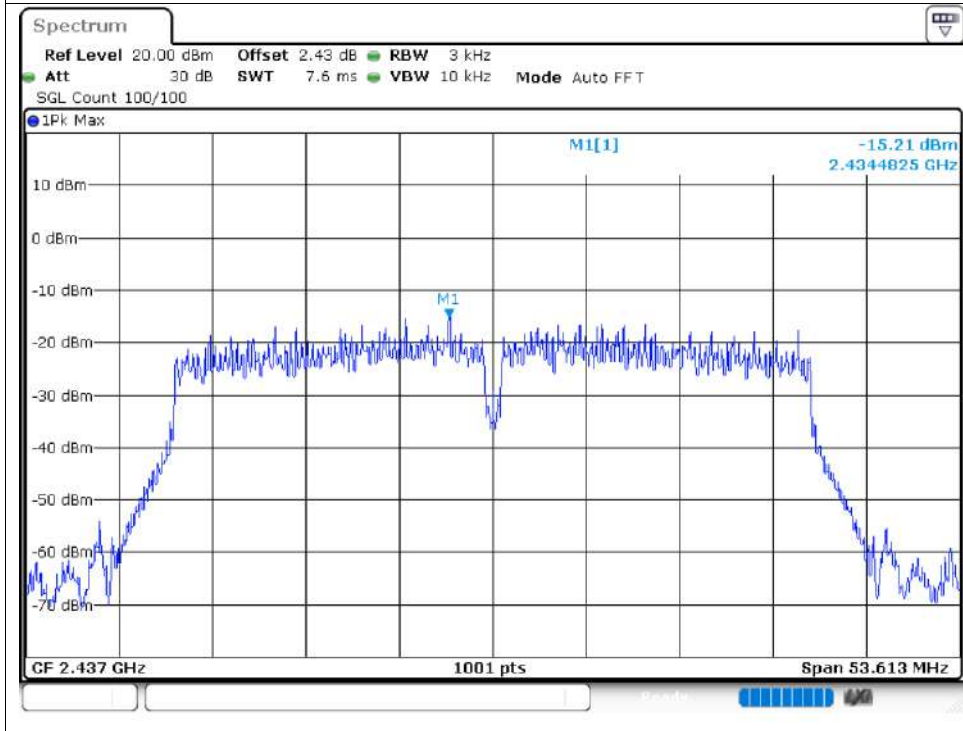
PSD NVNT n40 2422MHz Ant2



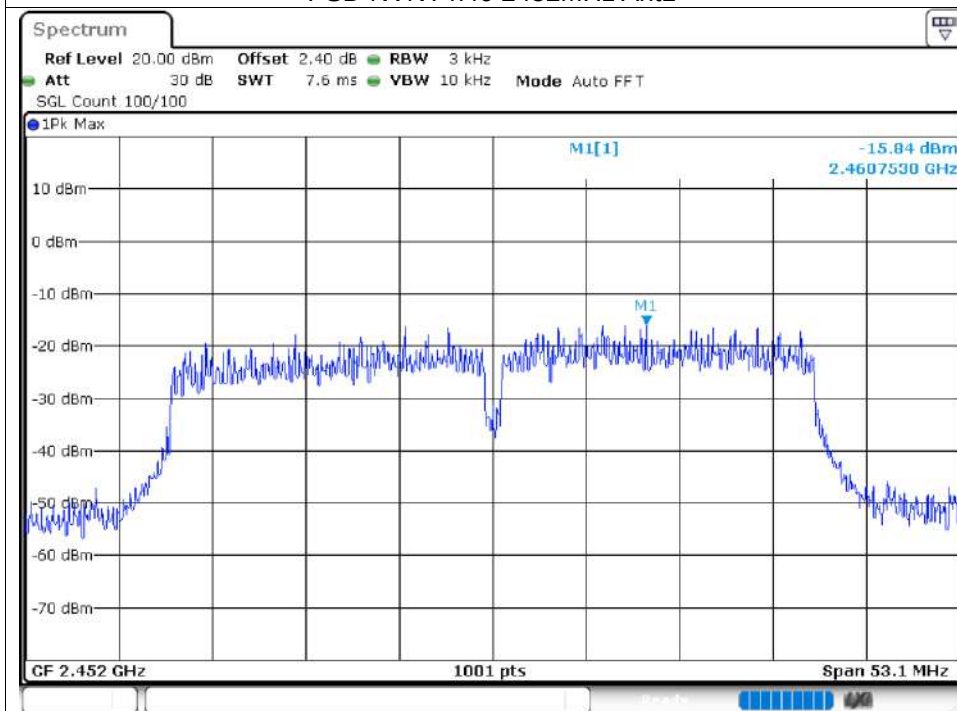
PSD NVNT n40 2437MHz Ant1



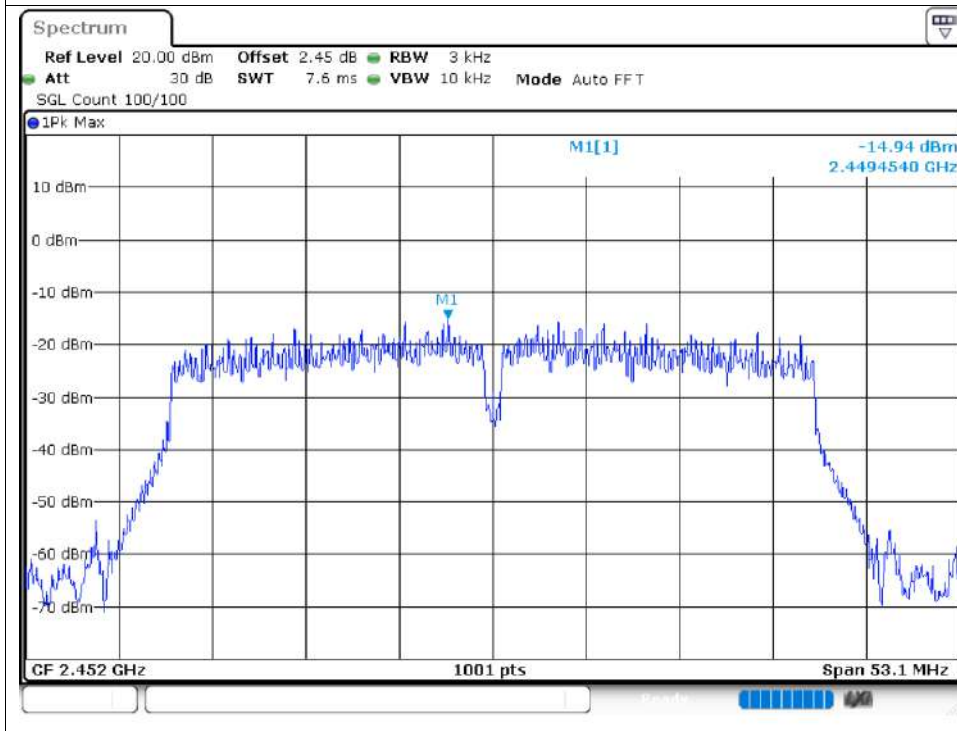
PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant1



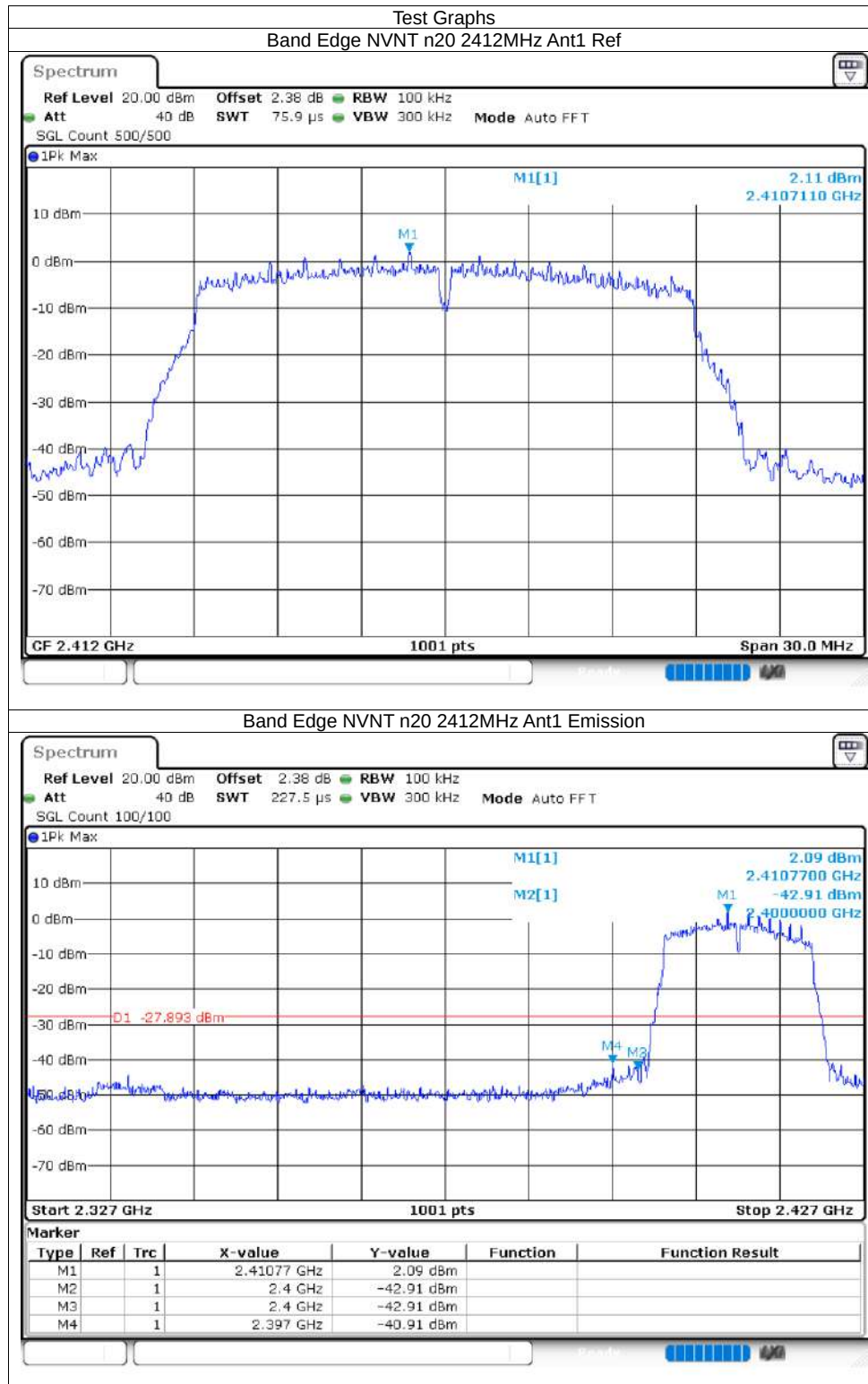
PSD NVNT n40 2452MHz Ant2

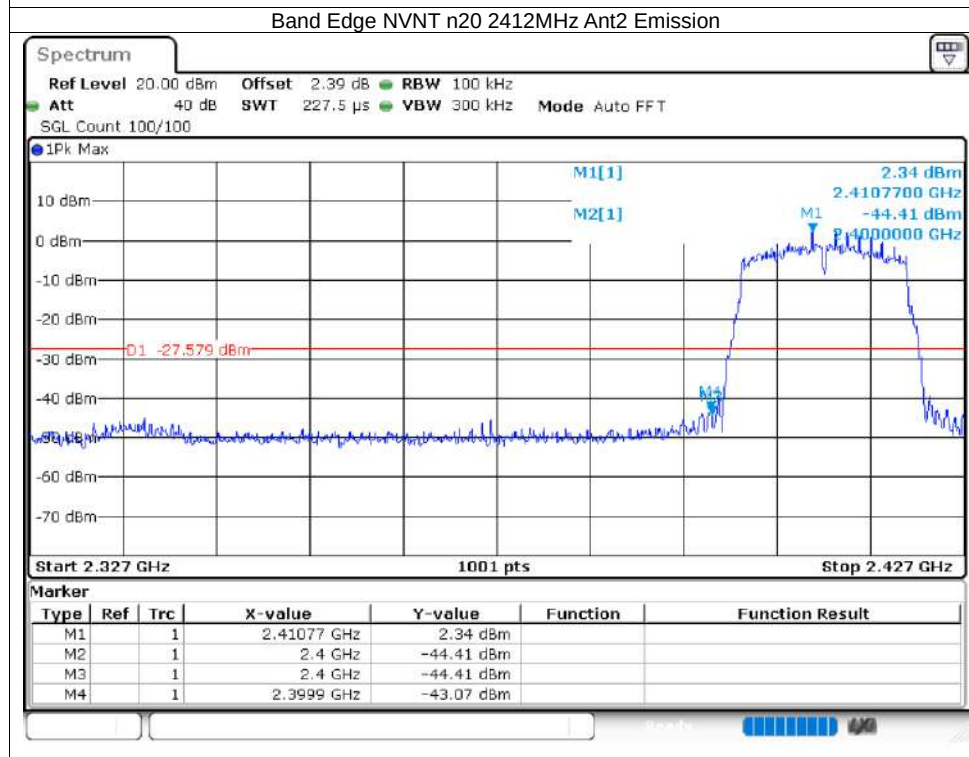
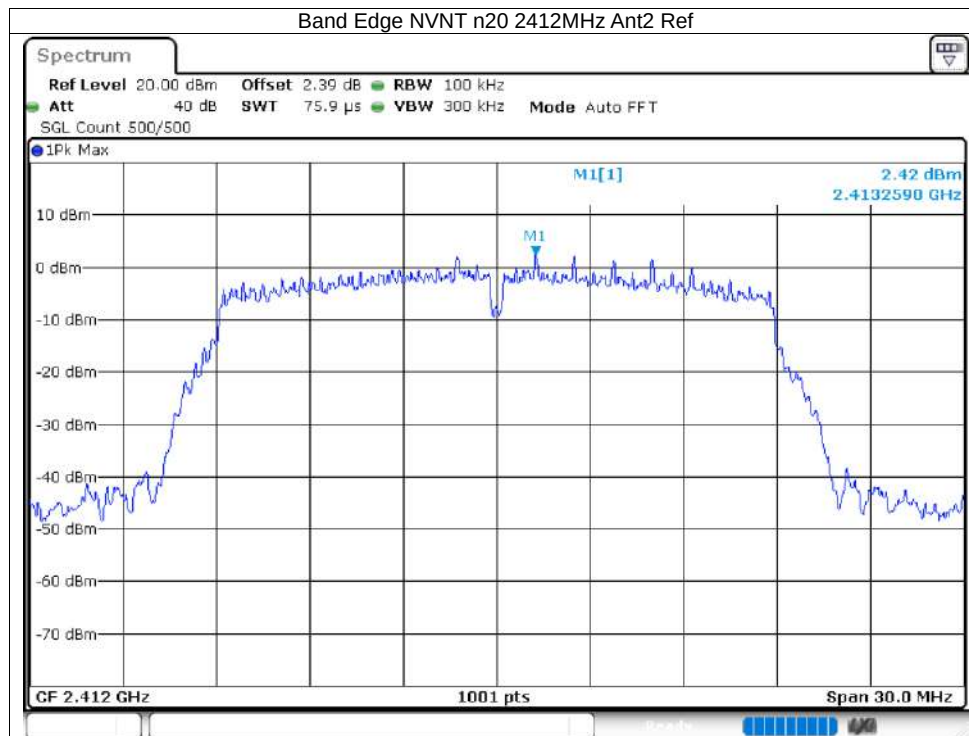


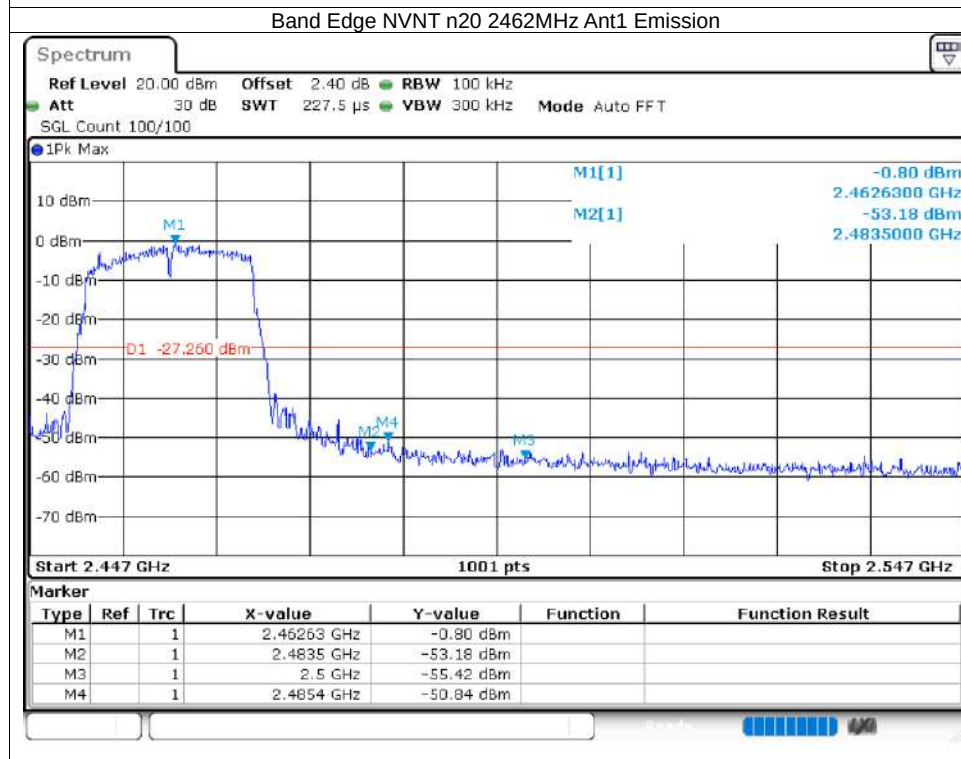
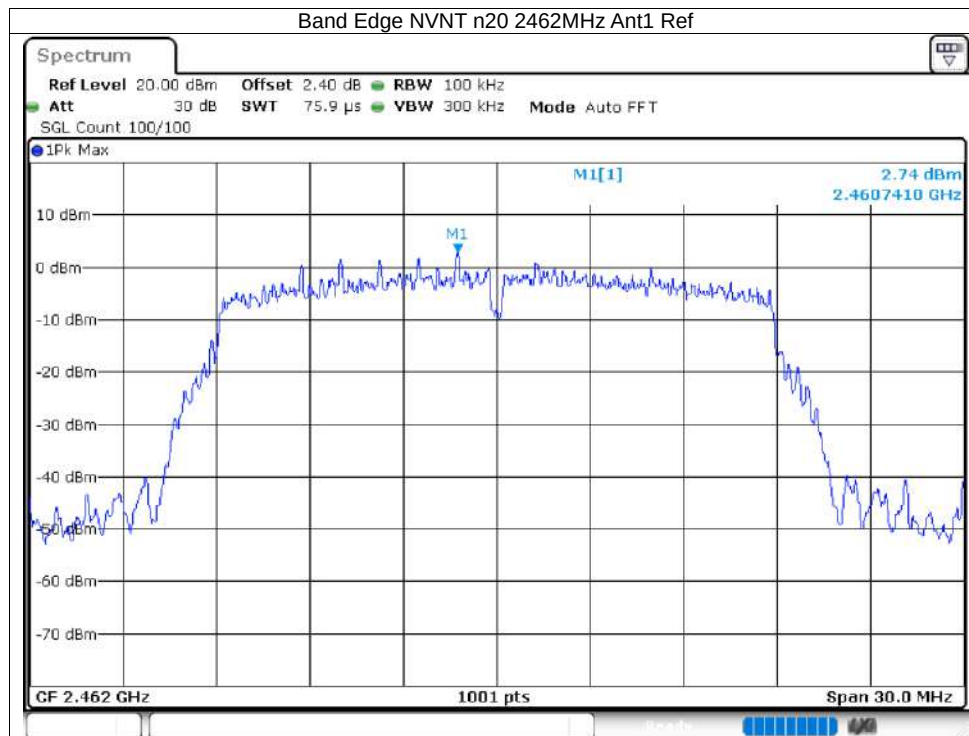
8.2.6 Band Edge

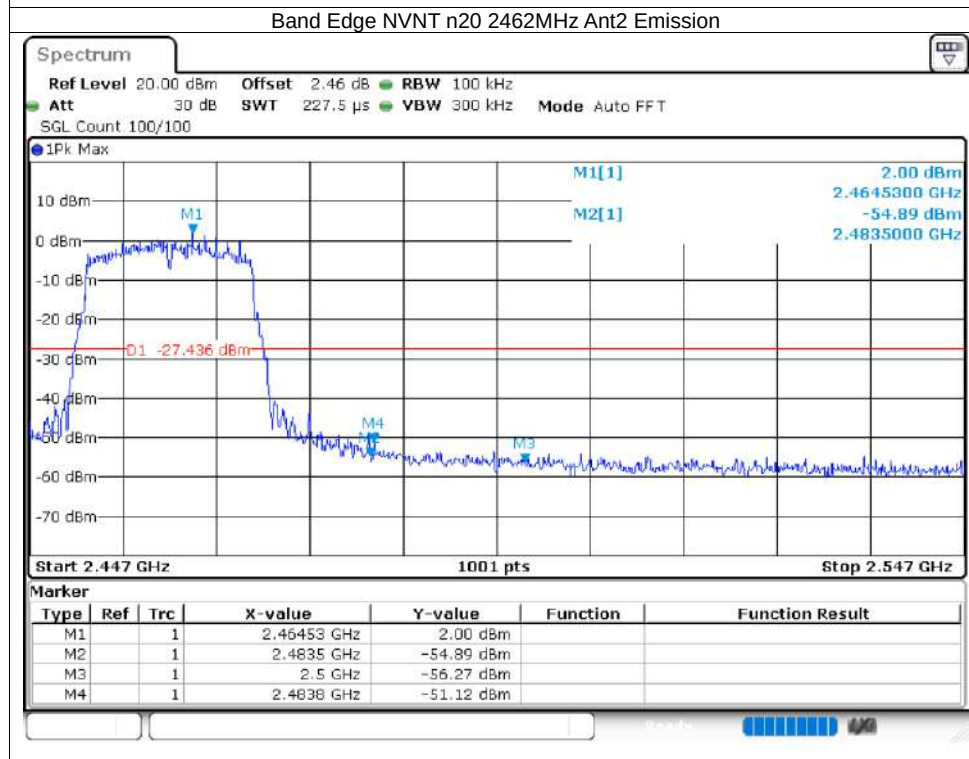
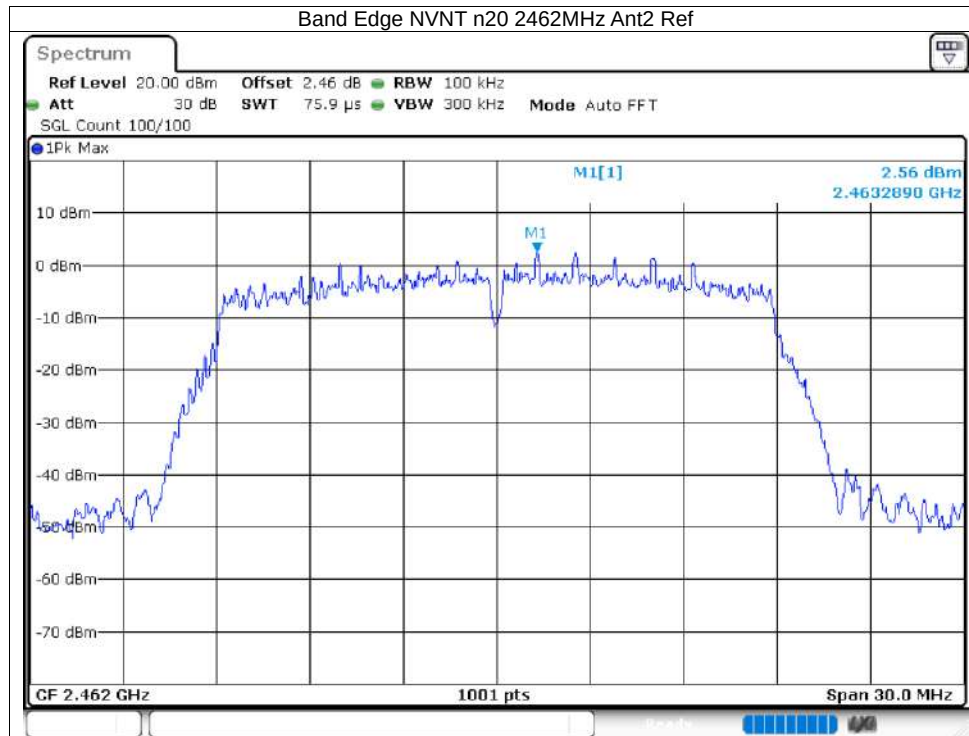
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	n20	2412	Ant1	-43.01	-30	Pass
NVNT	n20	2412	Ant2	-45.49	-30	Pass
NVNT	n20	2462	Ant1	-53.58	-30	Pass
NVNT	n20	2462	Ant2	-53.68	-30	Pass
NVNT	n40	2422	Ant1	-36.08	-30	Pass
NVNT	n40	2422	Ant2	-41.86	-30	Pass
NVNT	n40	2452	Ant1	-37.97	-30	Pass
NVNT	n40	2452	Ant2	-50.47	-30	Pass

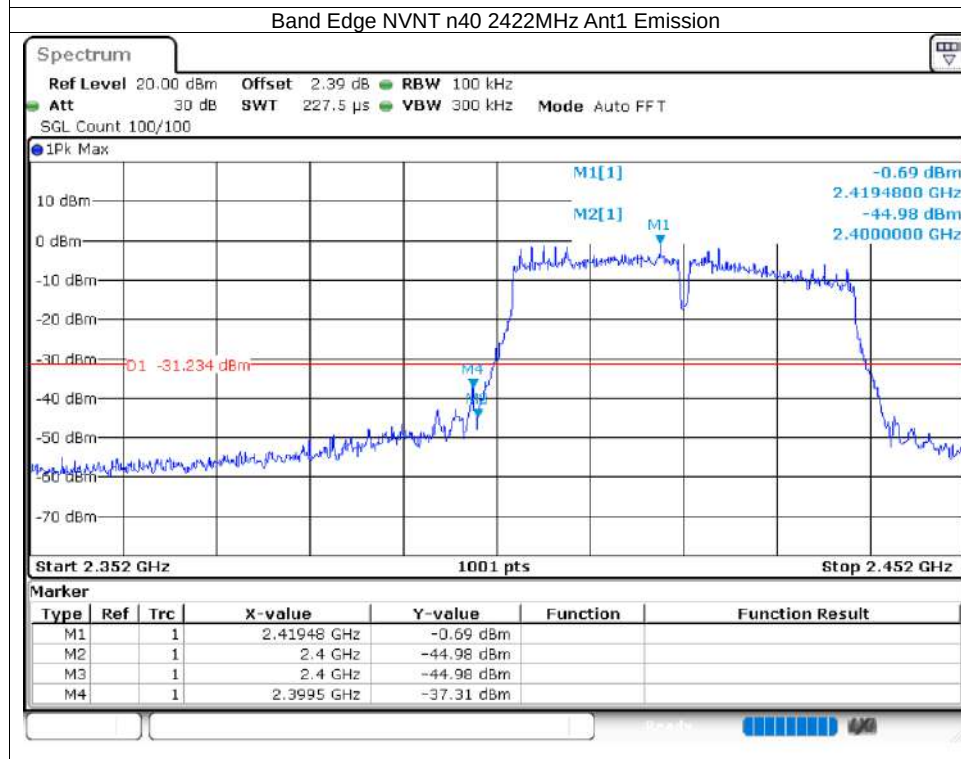
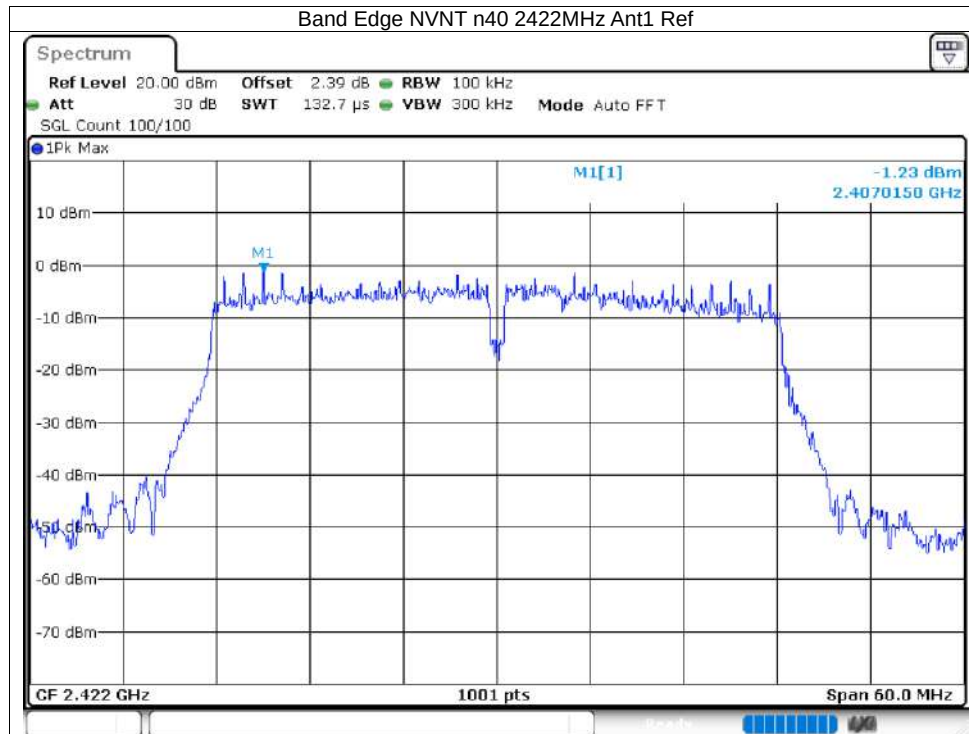
Note: The emissions of ANT 1& ANT 2 both have attenuated 3dB below the limits, so the MIMO mode can be passed

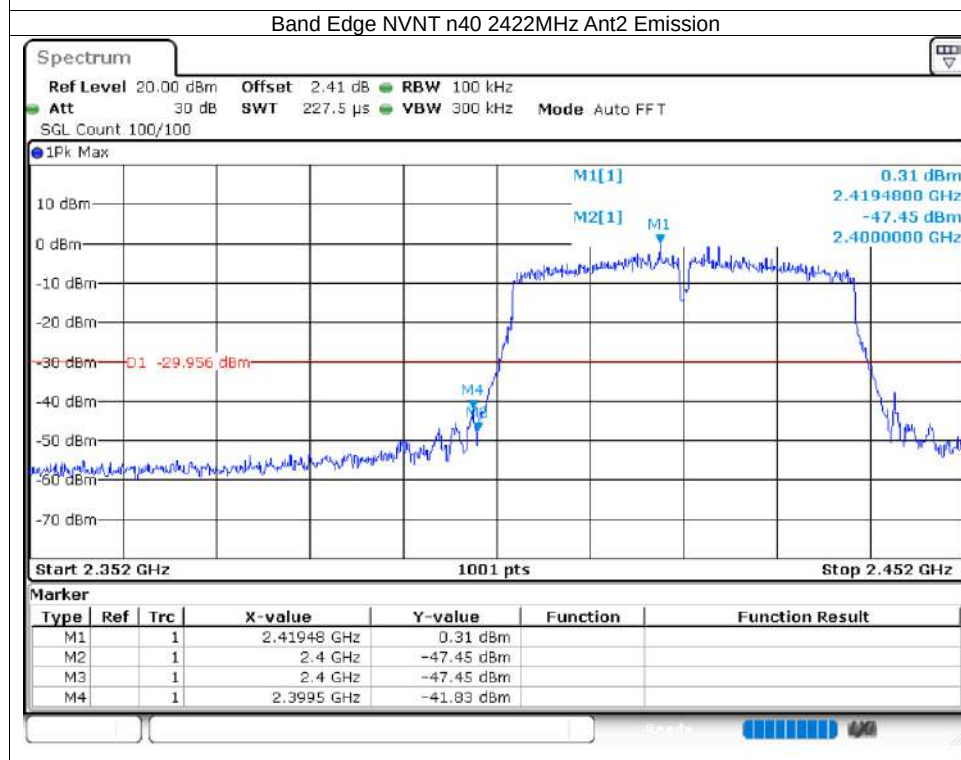
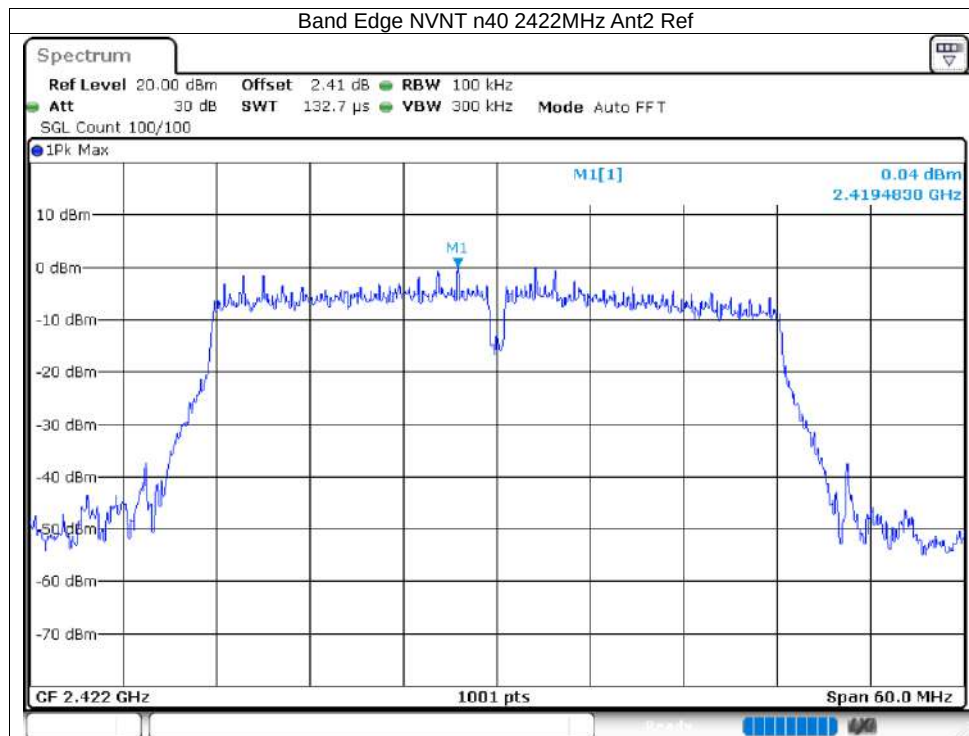


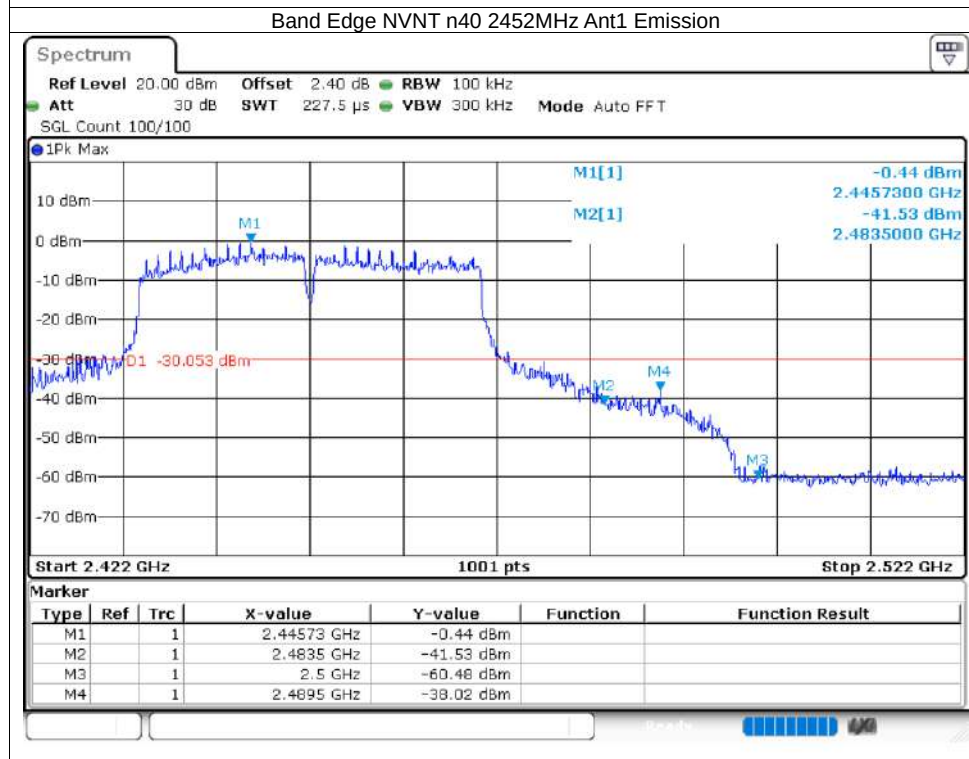
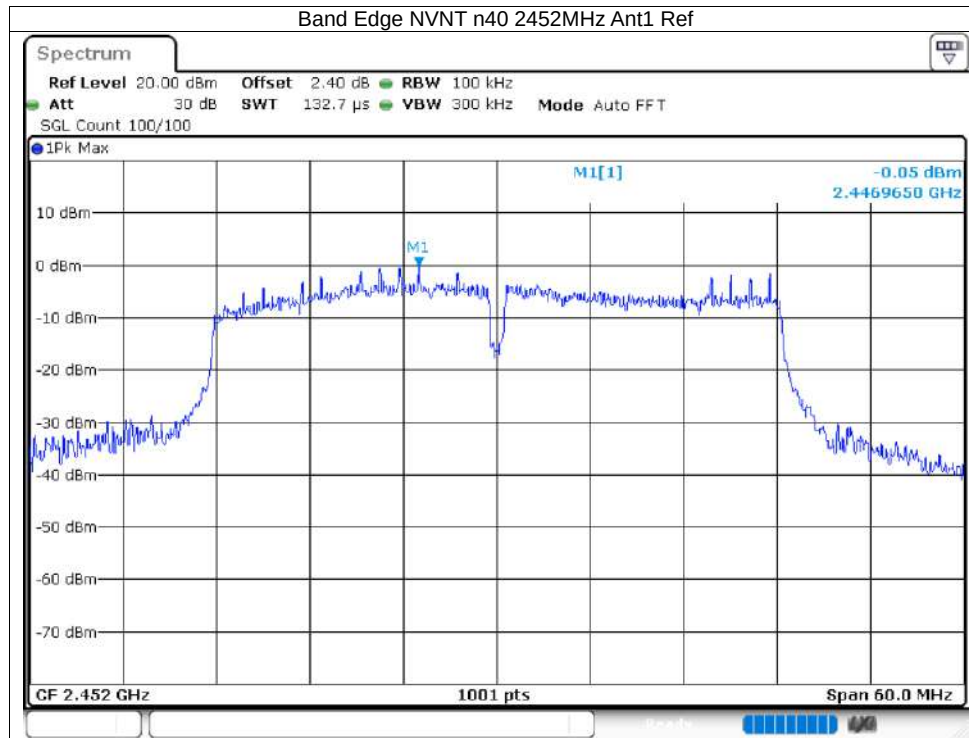


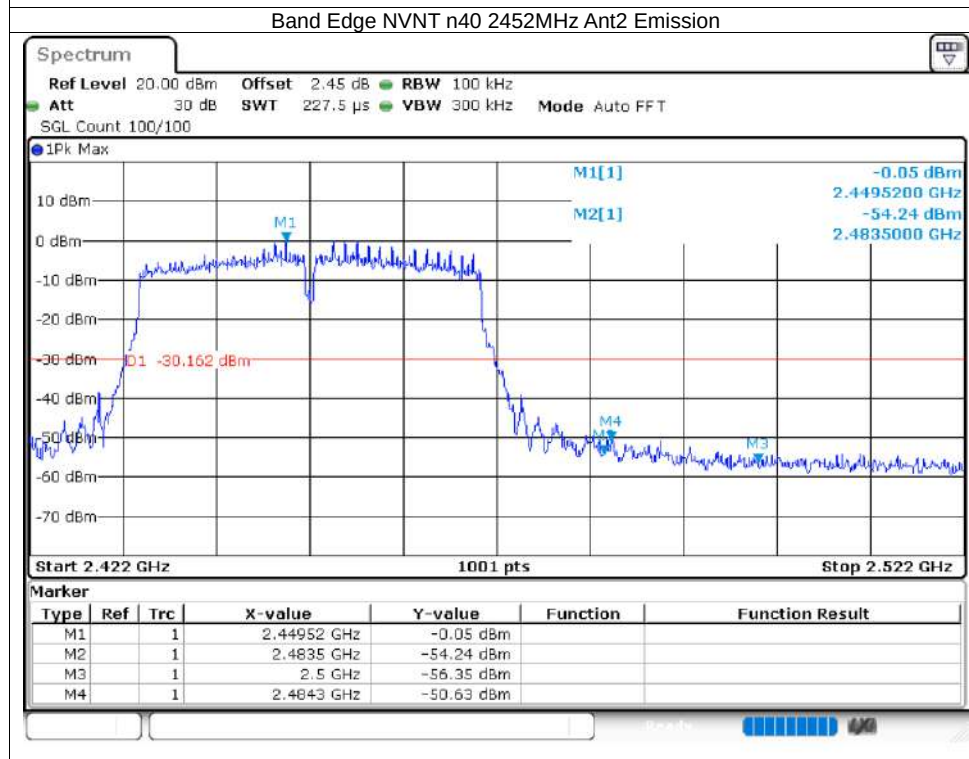
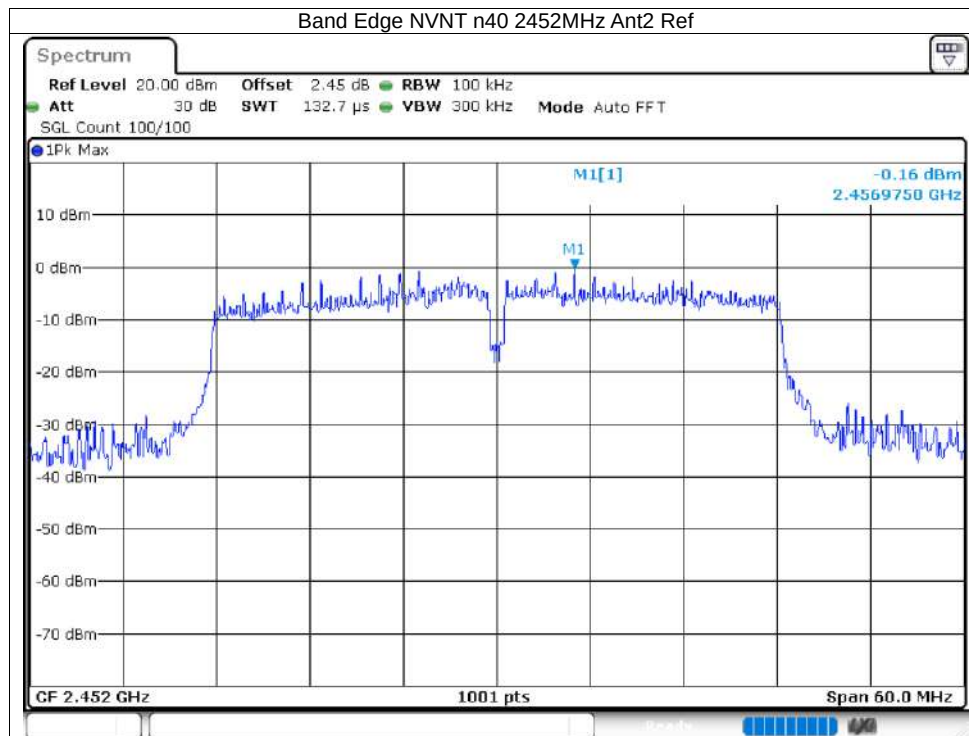








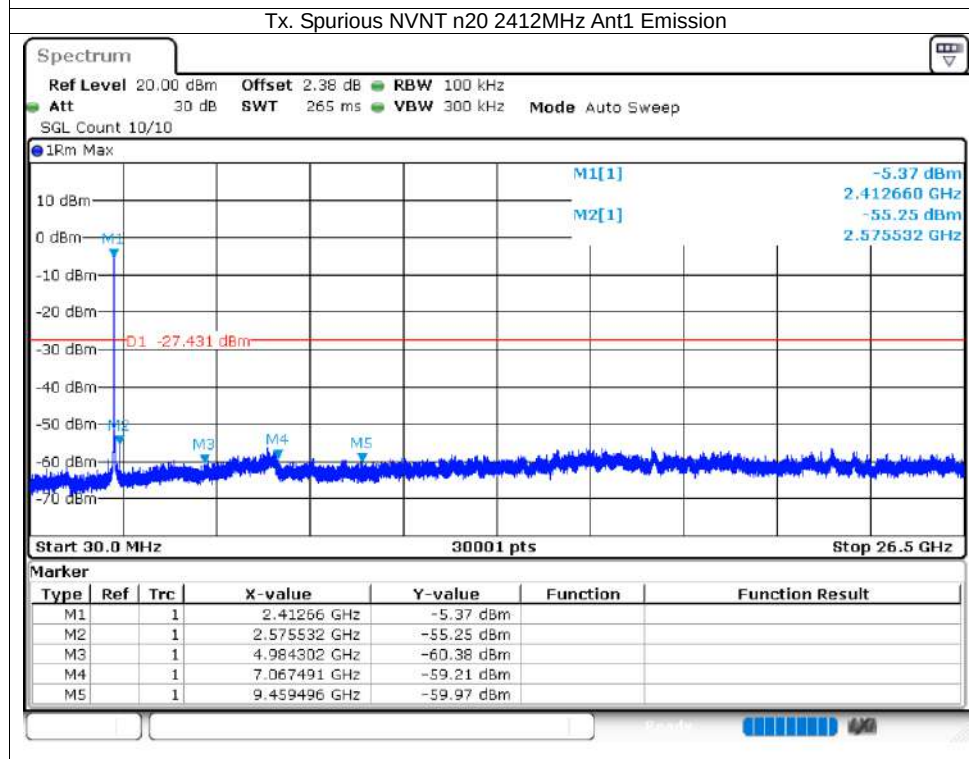
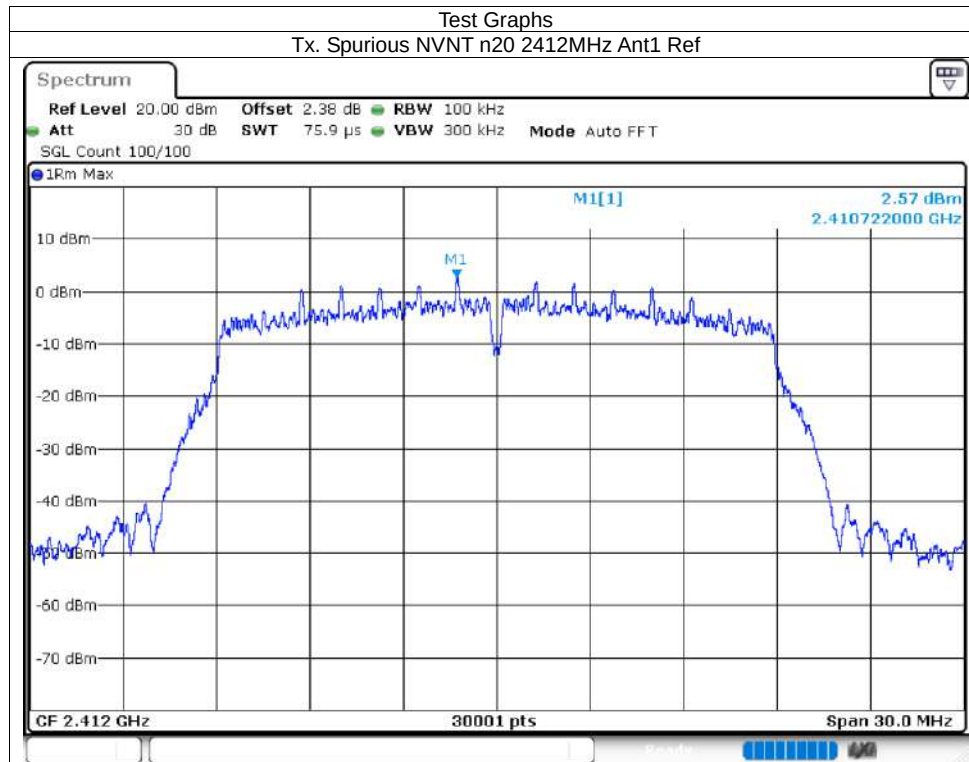


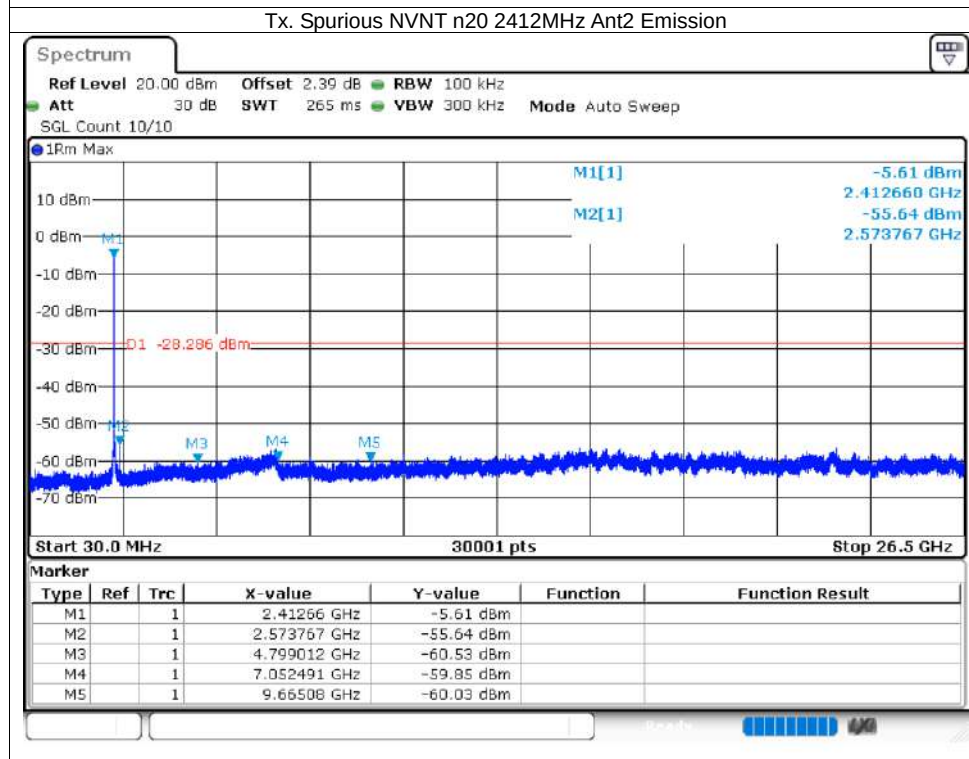
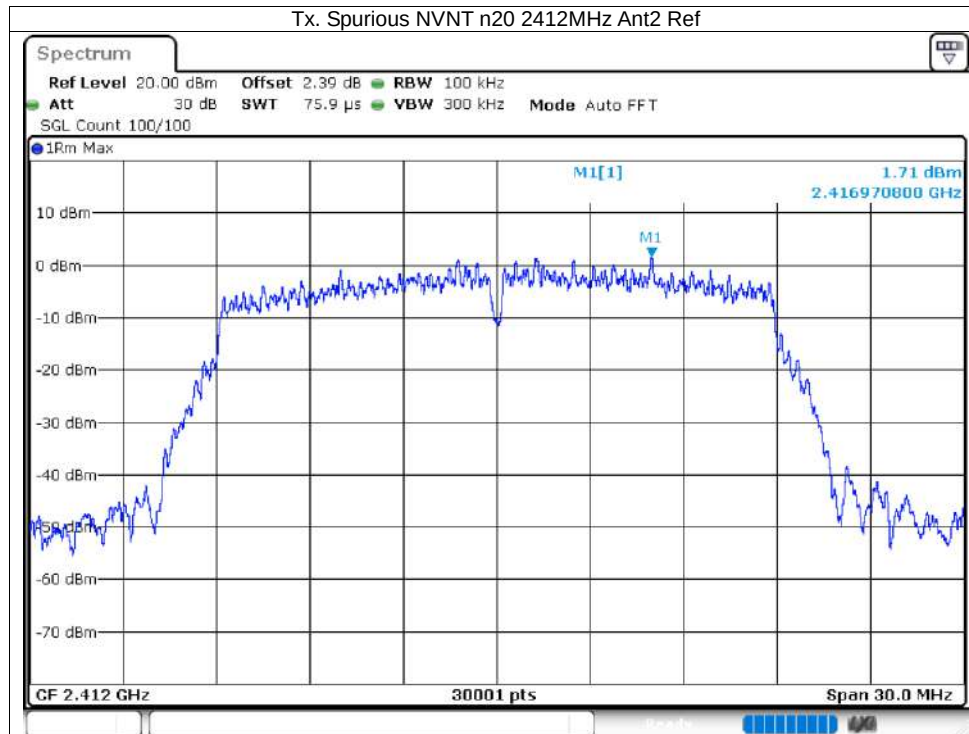


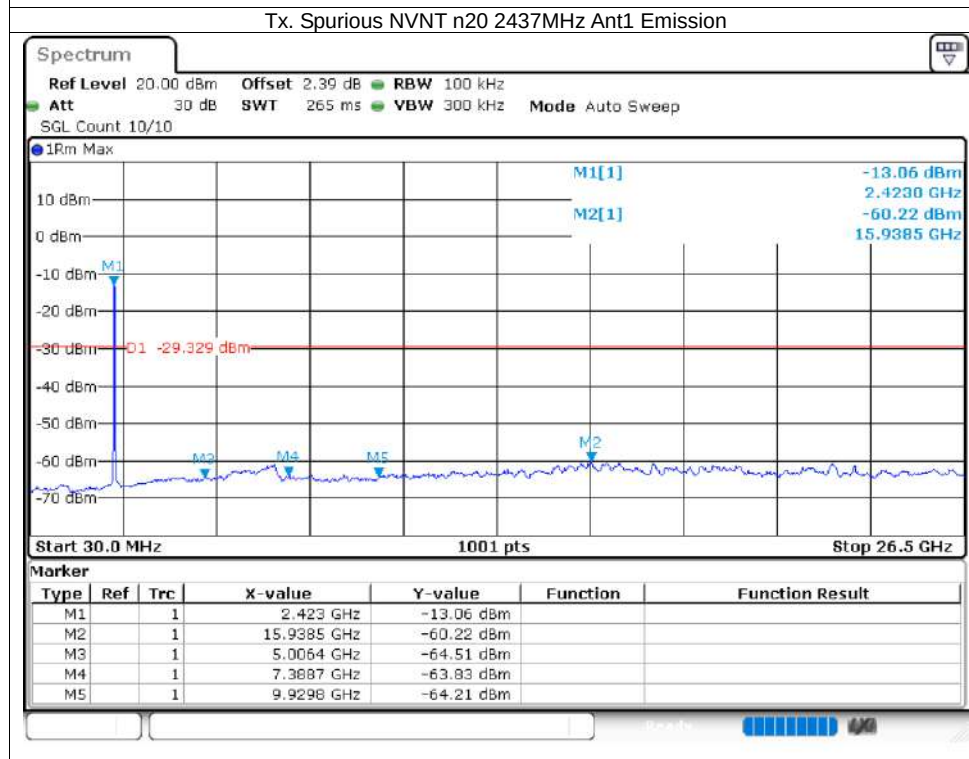
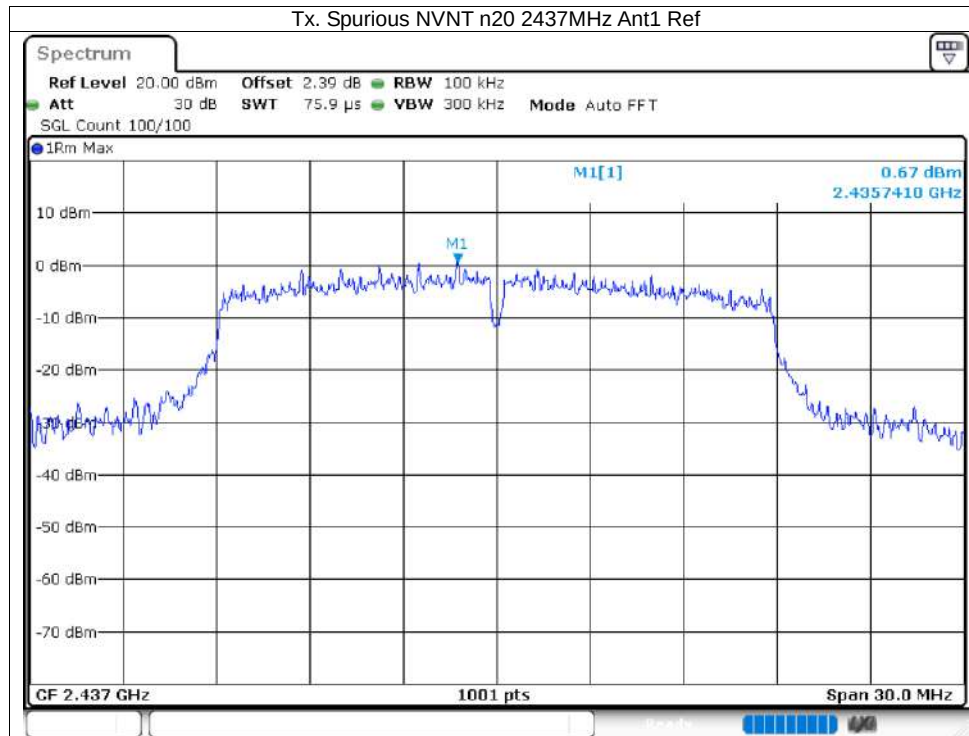
8.2.7 Conducted RF Spurious Emission

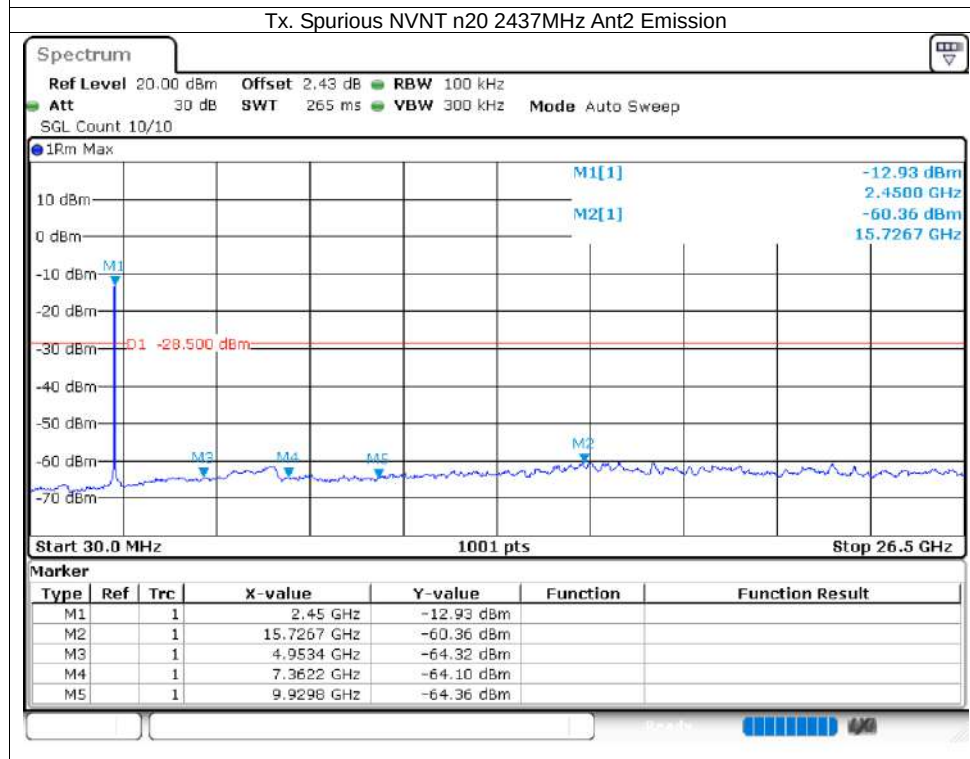
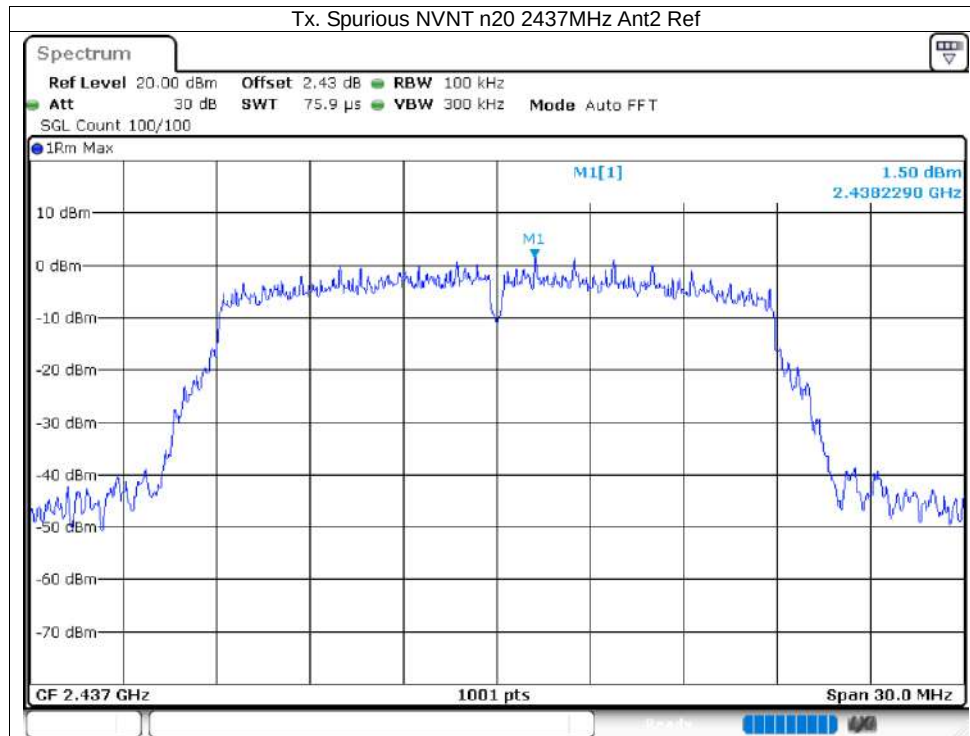
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	n20	2412	Ant1	-57.81	-30	Pass
NVNT	n20	2412	Ant2	-57.34	-30	Pass
NVNT	n20	2437	Ant1	-60.88	-30	Pass
NVNT	n20	2437	Ant2	-61.85	-30	Pass
NVNT	n20	2462	Ant1	-62.1	-30	Pass
NVNT	n20	2462	Ant2	-60.38	-30	Pass
NVNT	n40	2422	Ant1	-58.95	-30	Pass
NVNT	n40	2422	Ant2	-59.69	-30	Pass
NVNT	n40	2437	Ant1	-59.31	-30	Pass
NVNT	n40	2437	Ant2	-59.9	-30	Pass
NVNT	n40	2452	Ant1	-57.94	-30	Pass
NVNT	n40	2452	Ant2	-59.92	-30	Pass

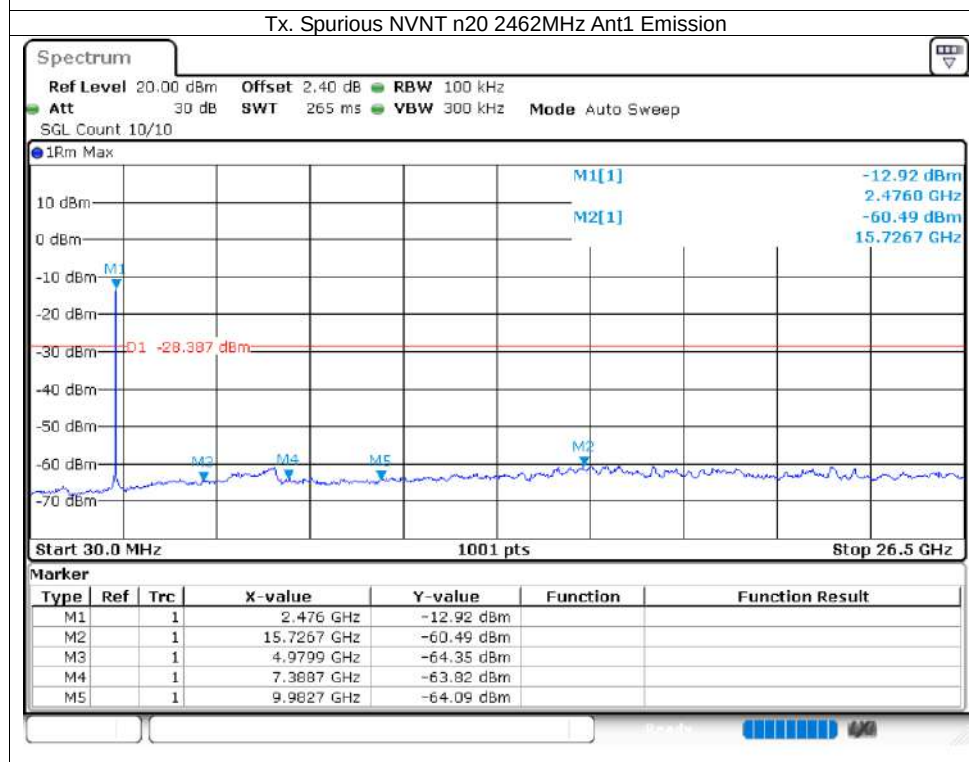
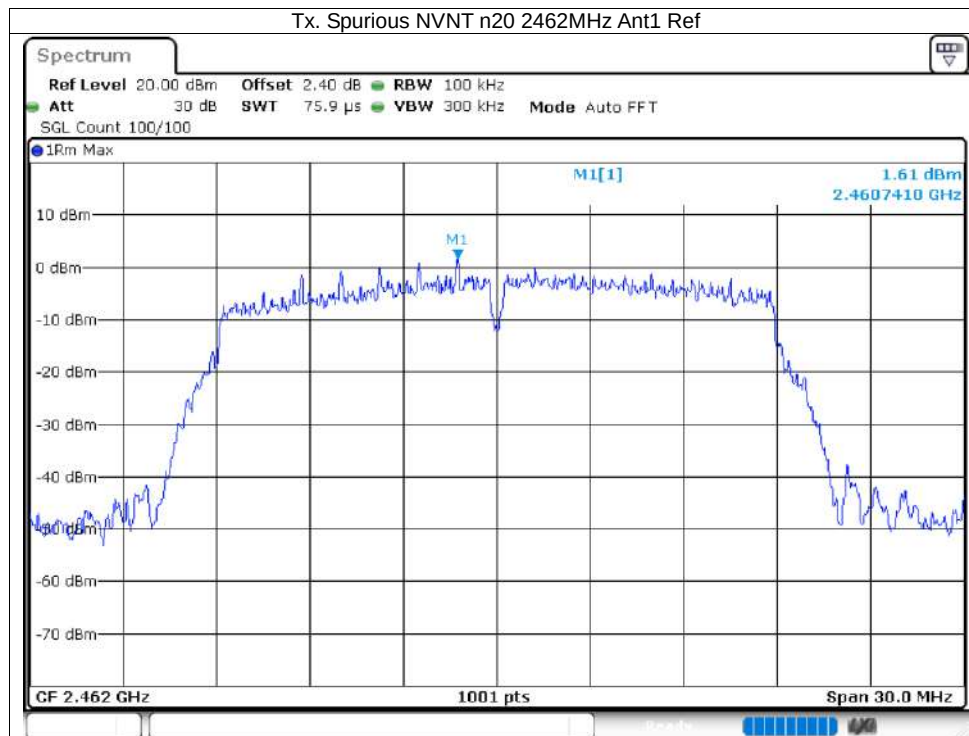
Note: The emissions of ANT 1& ANT 2 both have attenuated 3dB below the limits, so the MIMO mode can be passed

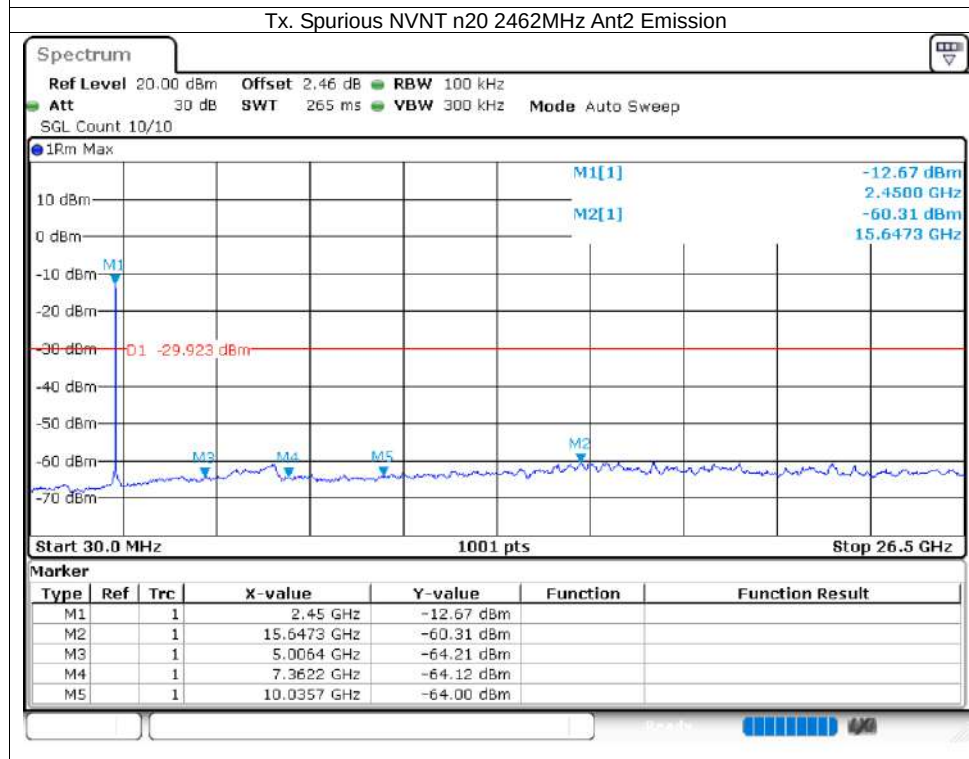
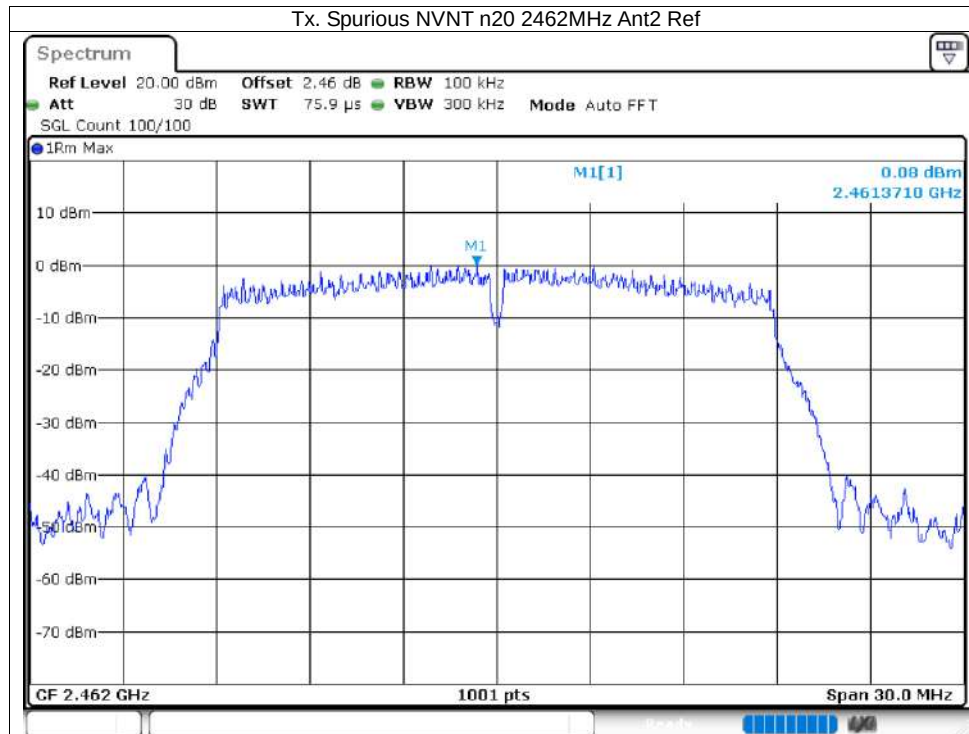


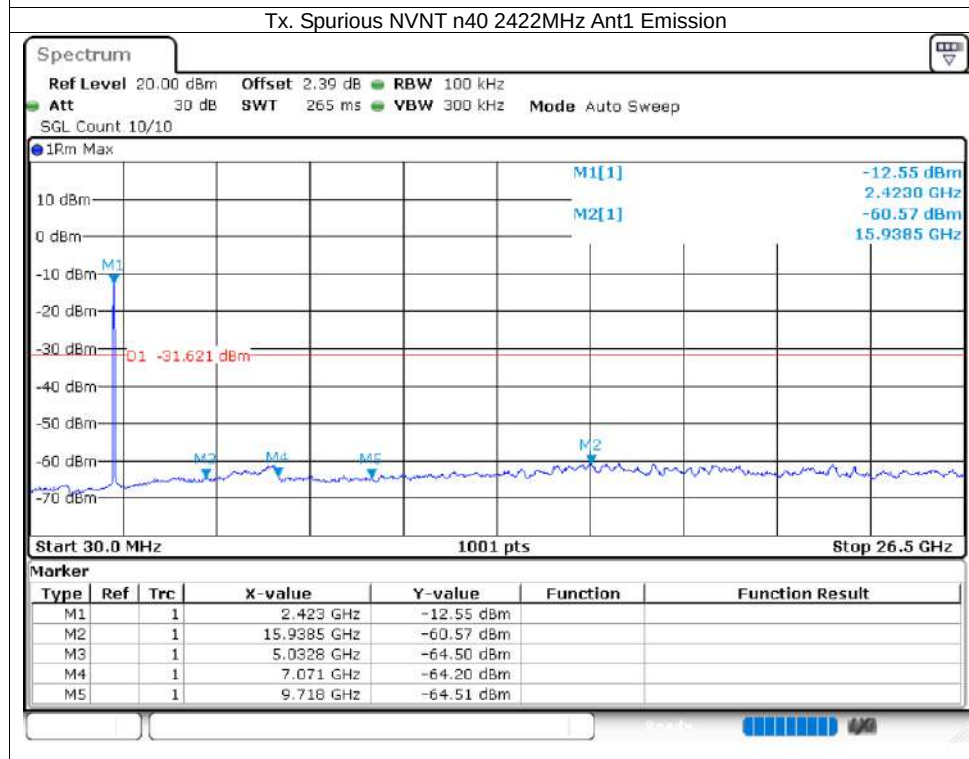
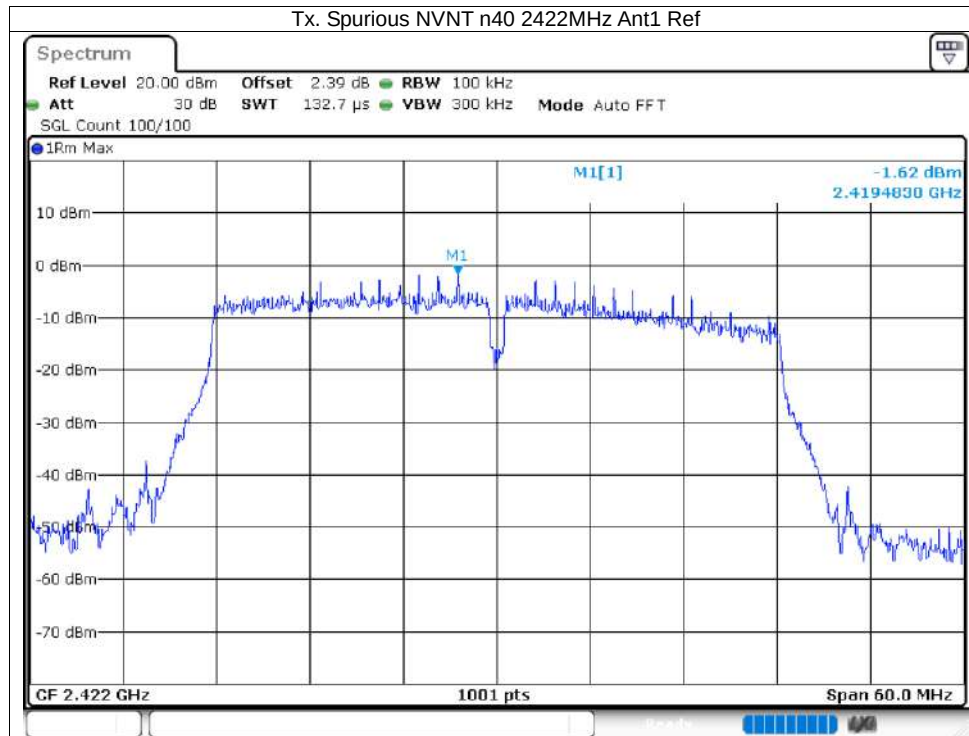


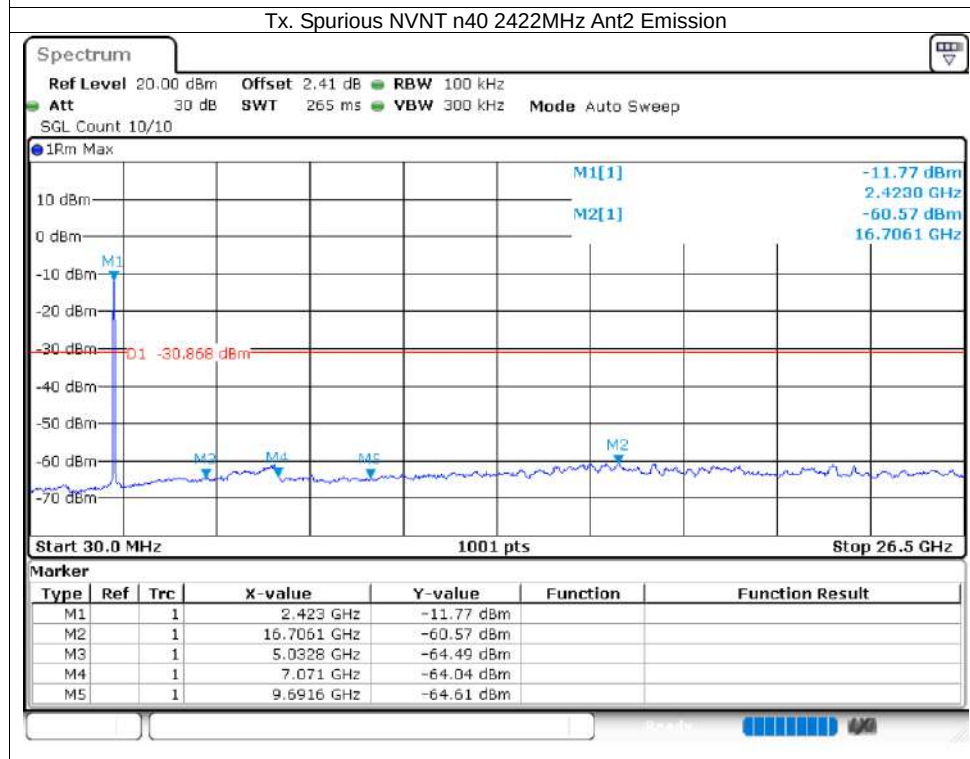
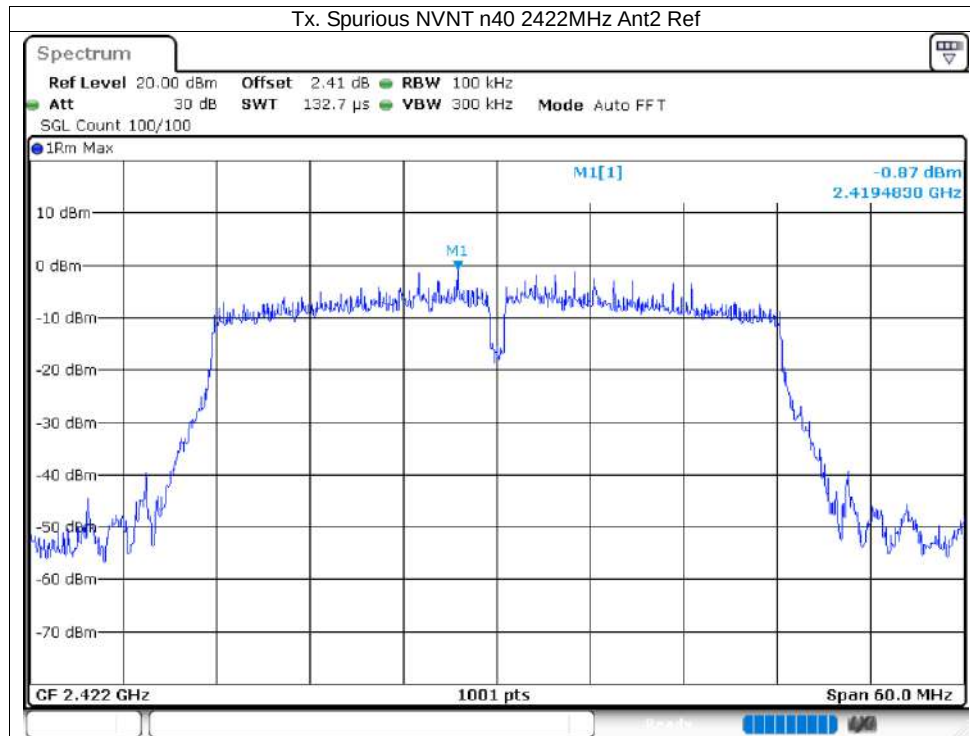


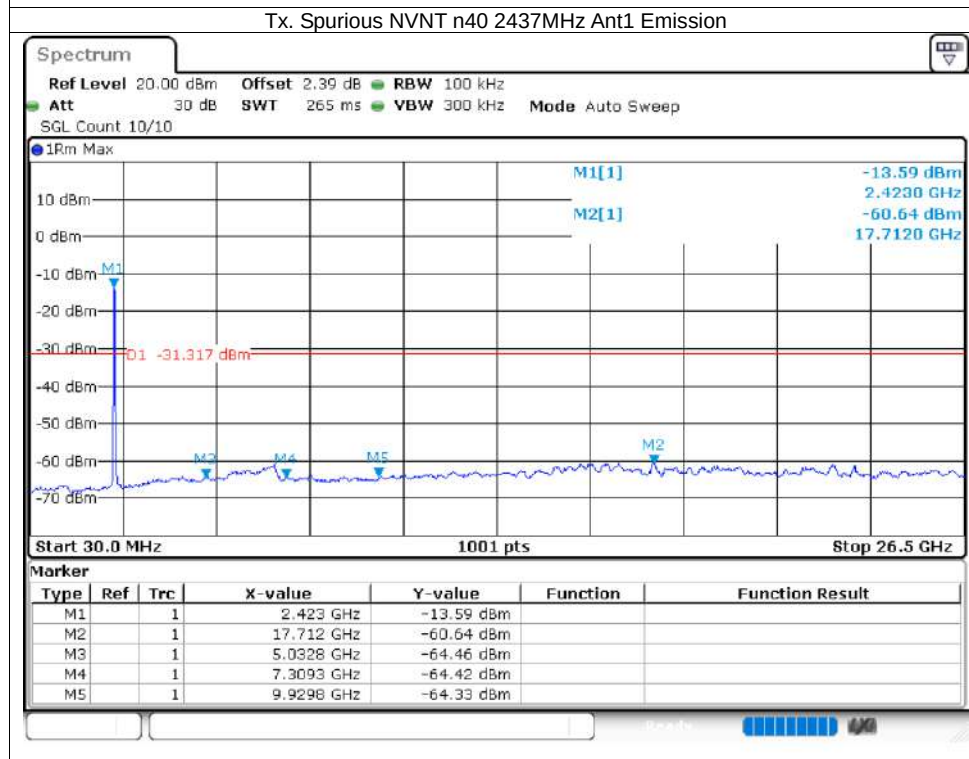
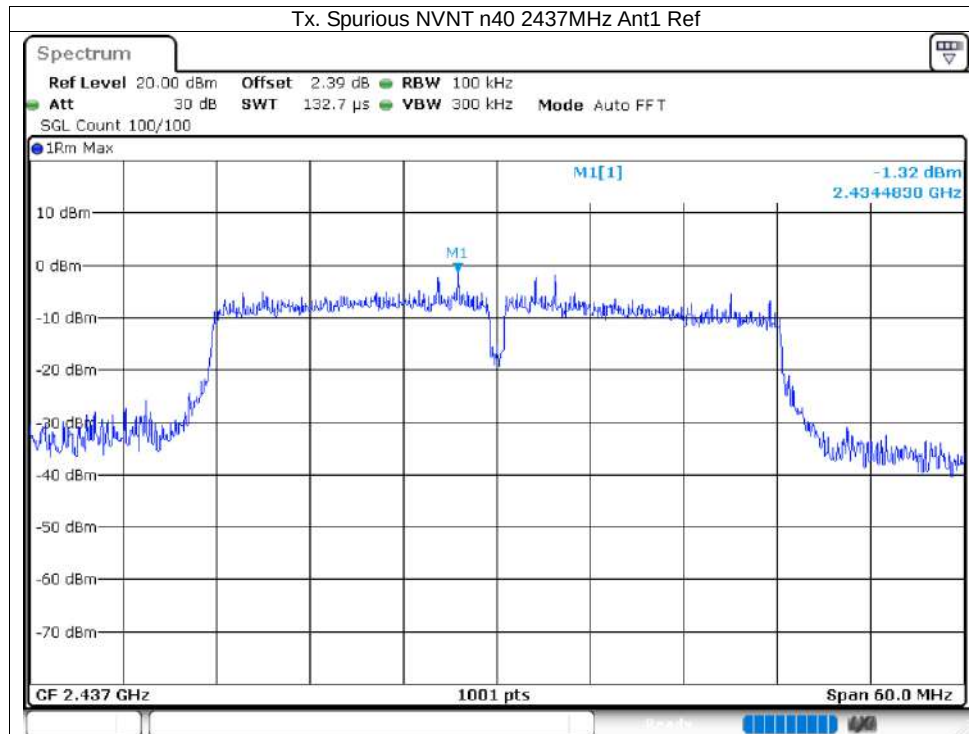


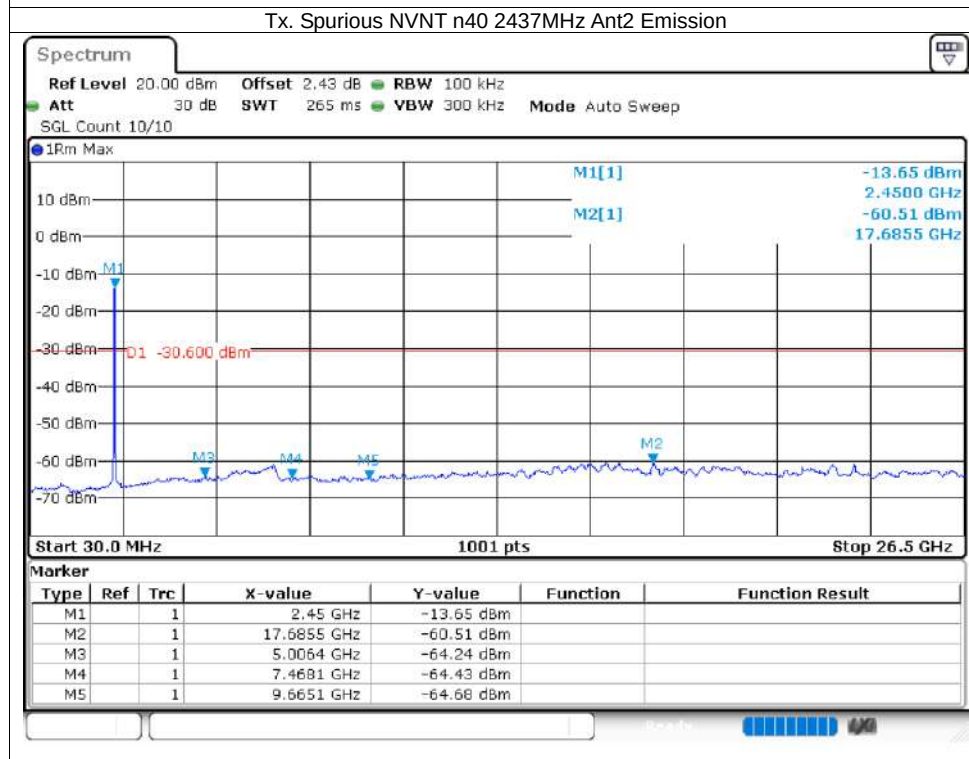
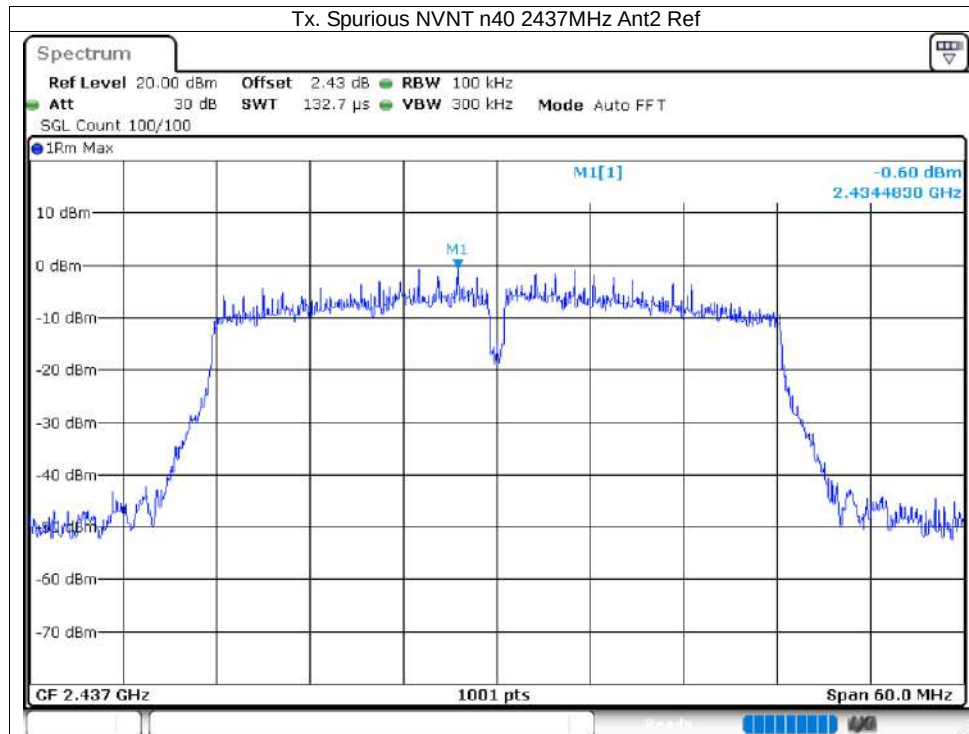


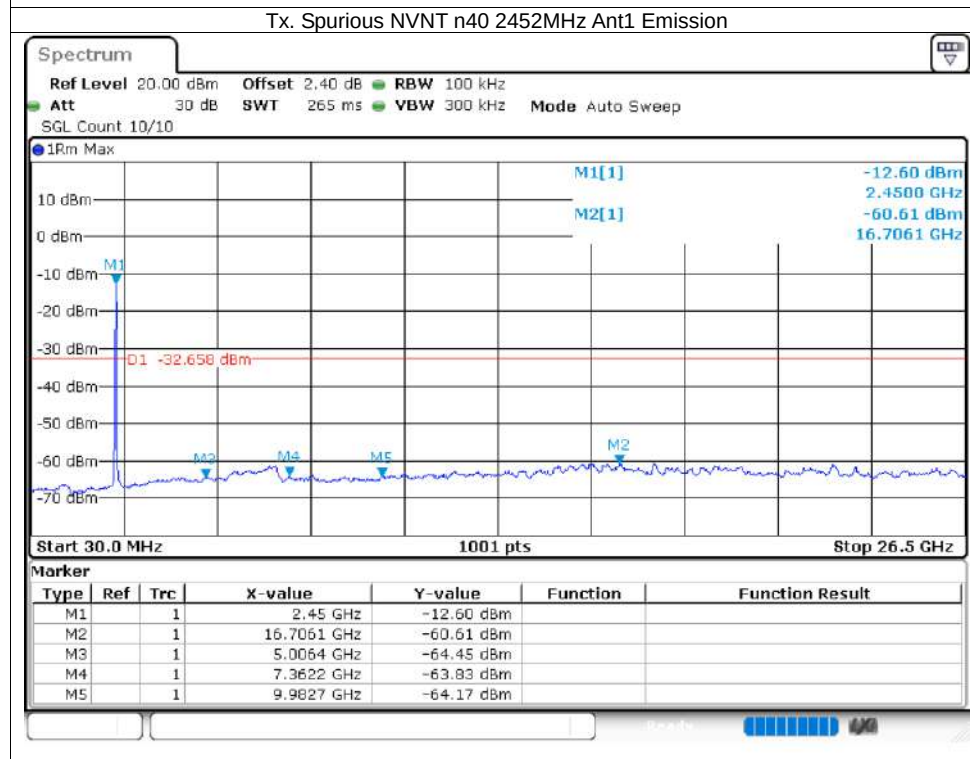
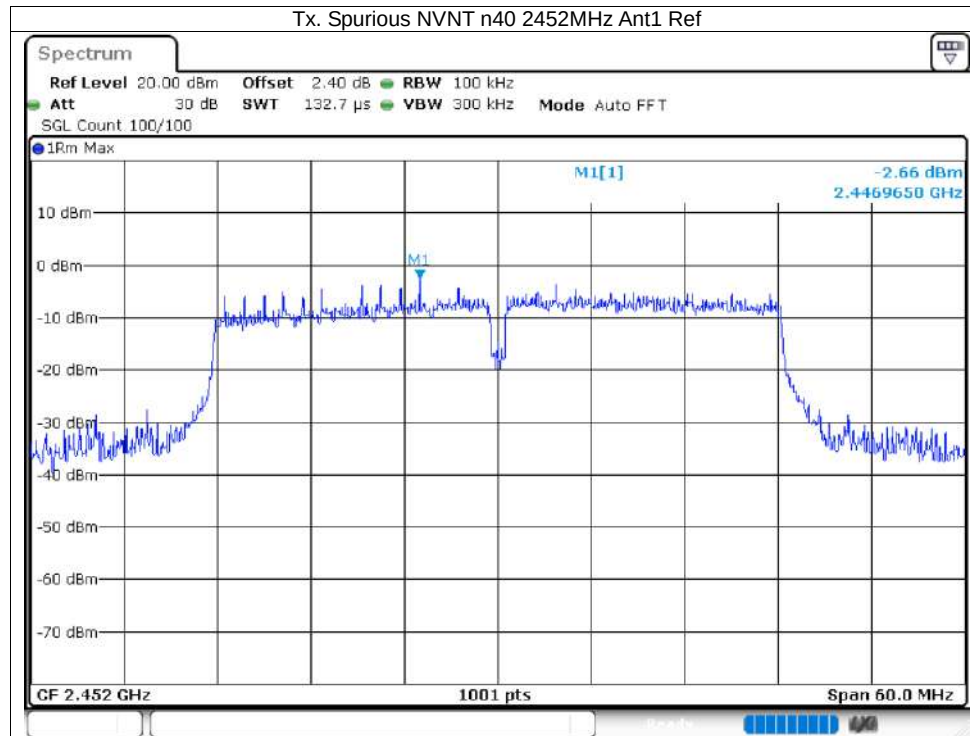


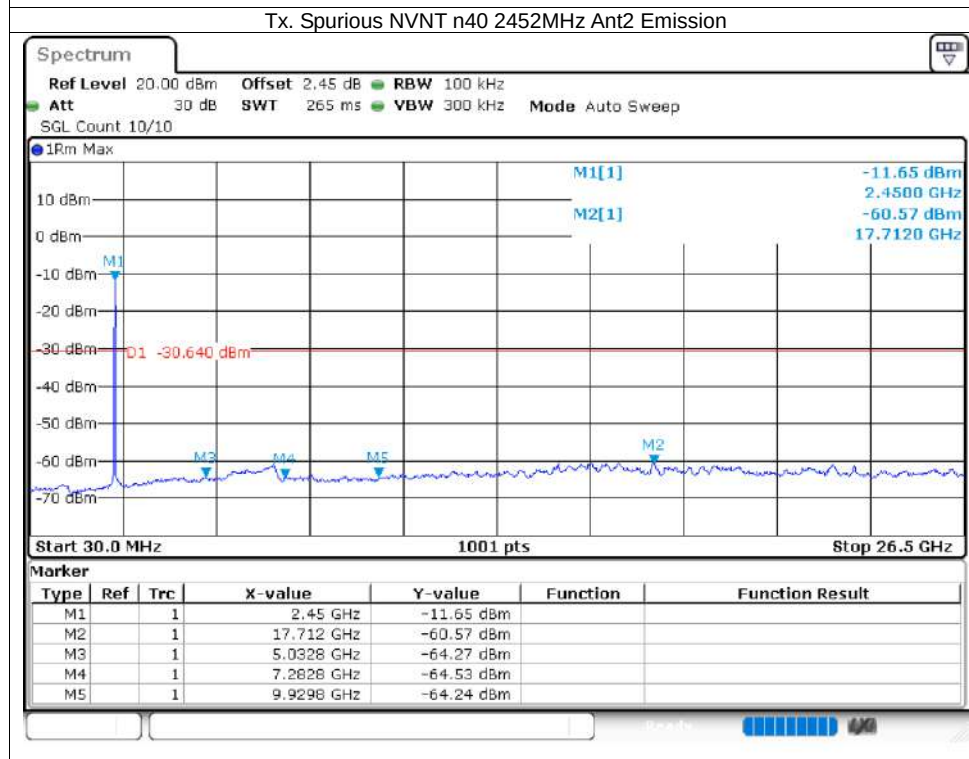
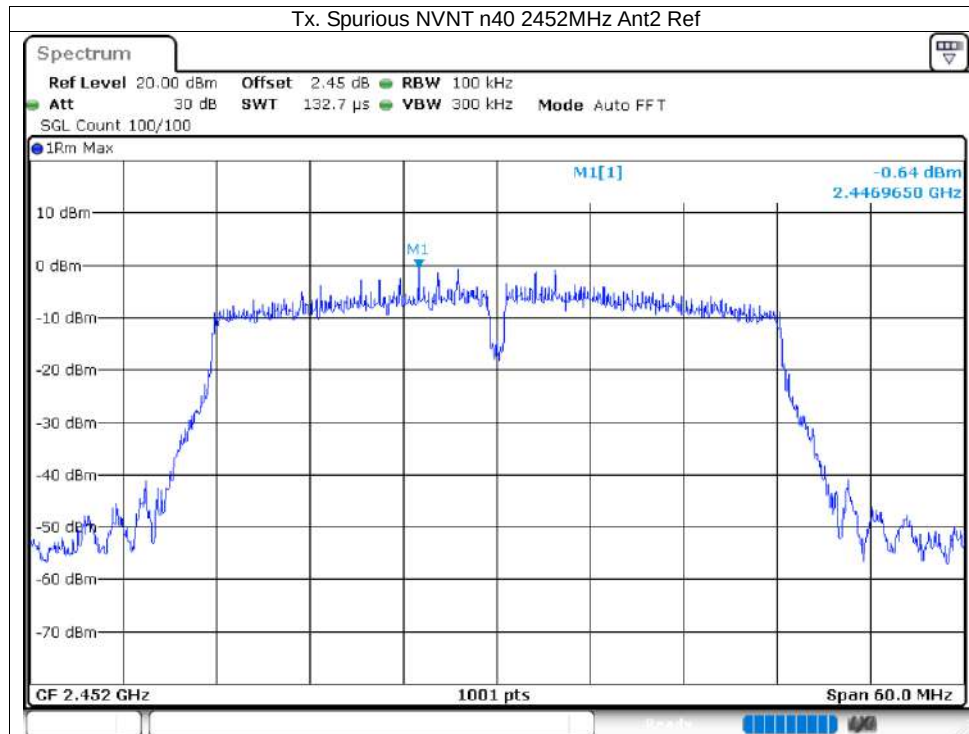












END OF REPORT