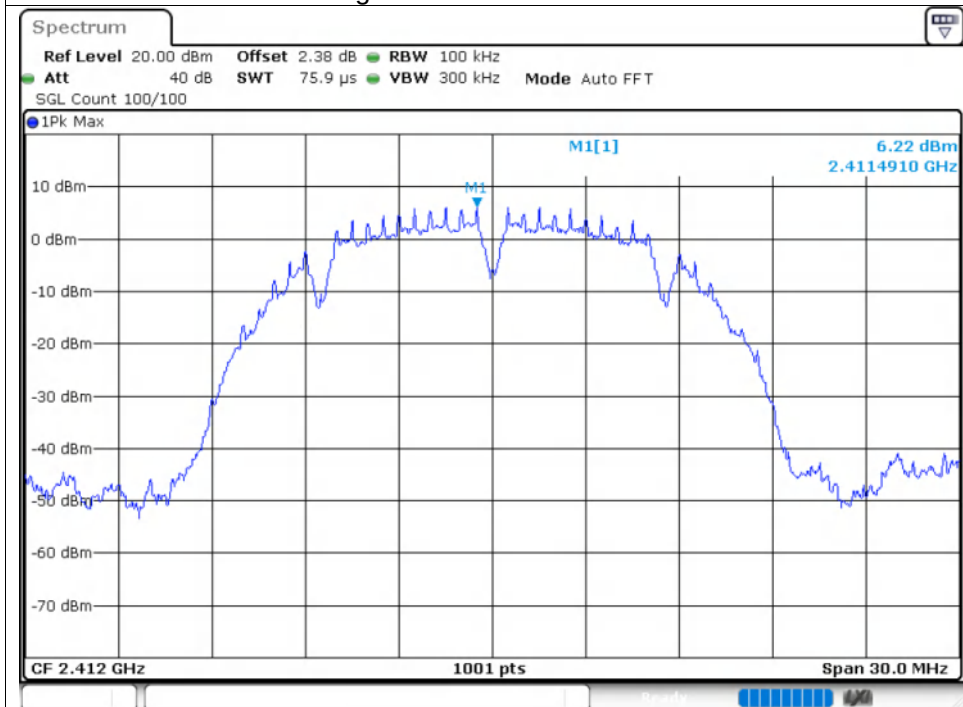


8.1.6 Band Edge

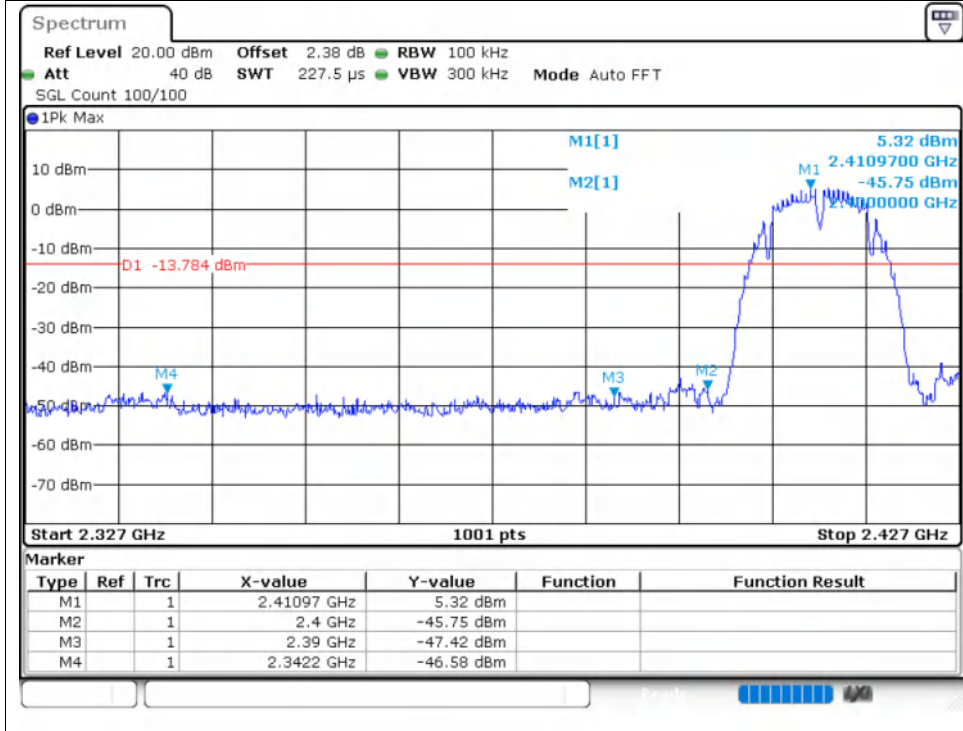
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.79	-20	Pass
NVNT	b	2462	Ant1	-59.98	-20	Pass
NVNT	b	2412	Ant2	-47.93	-20	Pass
NVNT	b	2462	Ant2	-60.26	-20	Pass
NVNT	g	2412	Ant1	-55.67	-20	Pass
NVNT	g	2462	Ant1	-54.95	-20	Pass
NVNT	g	2412	Ant2	-54.72	-20	Pass
NVNT	g	2462	Ant2	-55.42	-20	Pass
NVNT	n20	2412	Ant1	-55.96	-20	Pass
NVNT	n20	2462	Ant1	-58.26	-20	Pass
NVNT	n20	2412	Ant2	-54.8	-20	Pass
NVNT	n20	2462	Ant2	-54.01	-20	Pass
NVNT	n40	2422	Ant1	-49.19	-20	Pass
NVNT	n40	2452	Ant1	-46.73	-20	Pass
NVNT	n40	2422	Ant2	-49.47	-20	Pass
NVNT	n40	2452	Ant2	-46.59	-20	Pass

Test Graphs

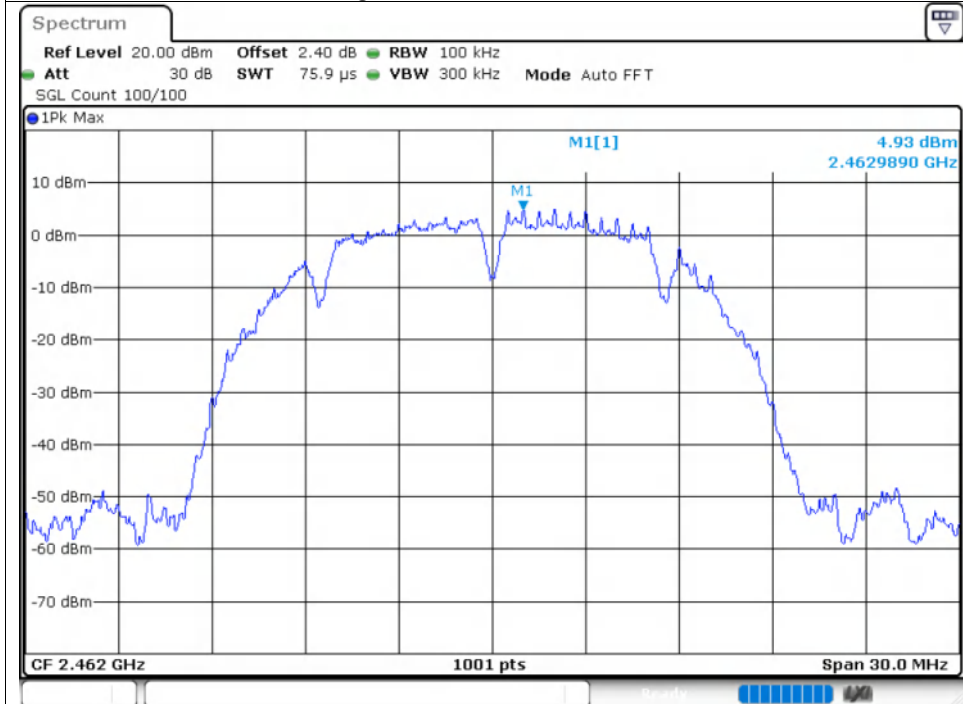
Band Edge NVNT b 2412MHz Ant1 Ref



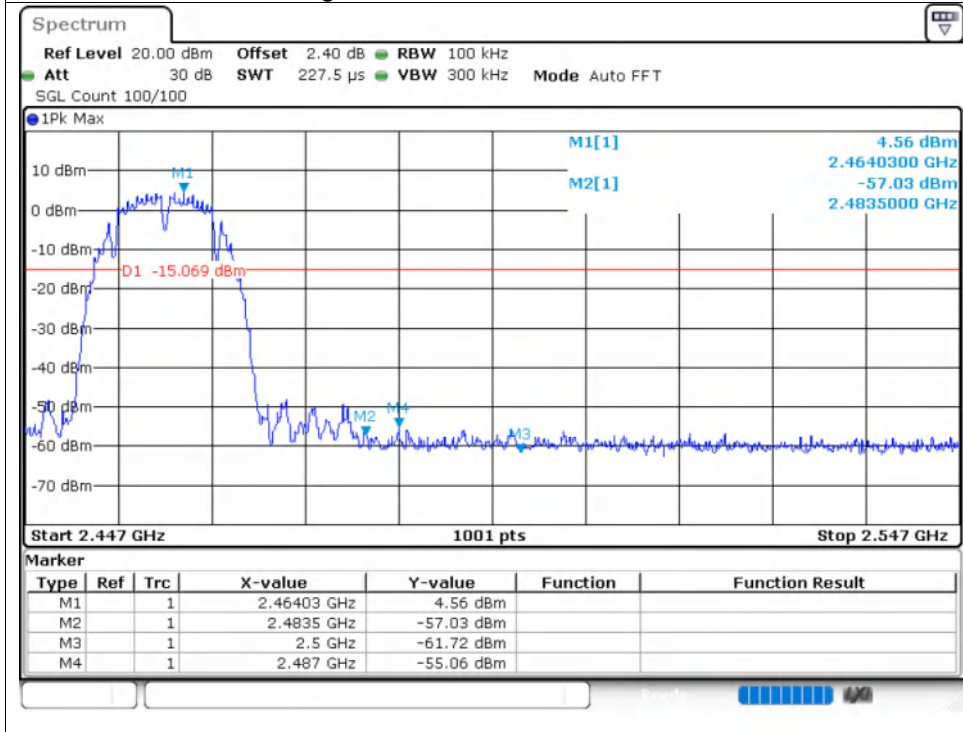
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



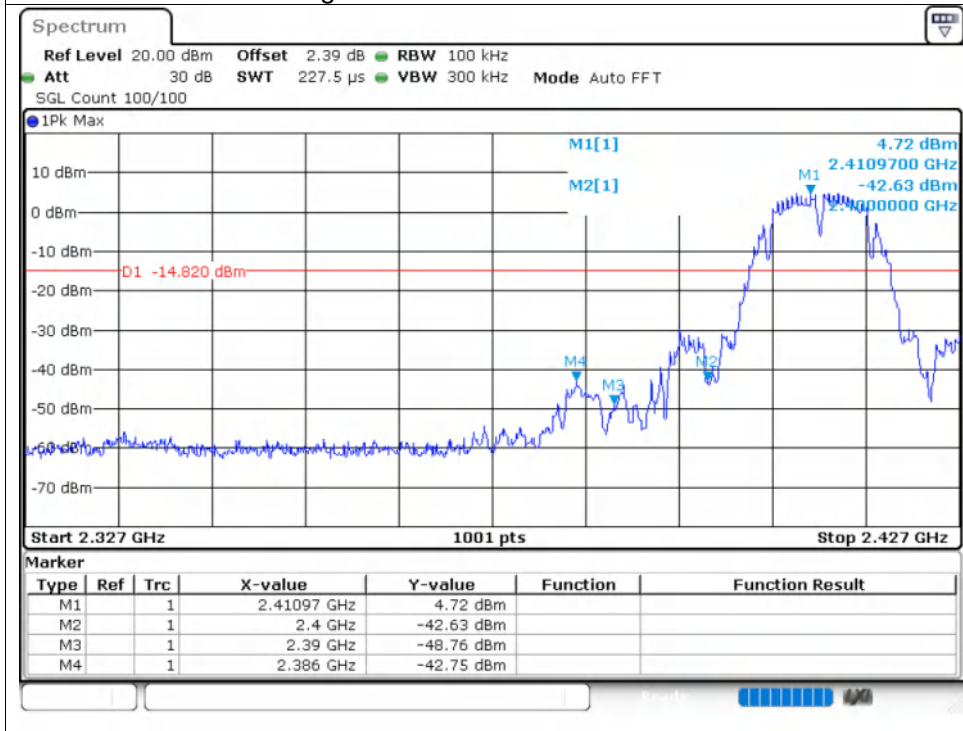
Band Edge NVNT b 2462MHz Ant1 Emission



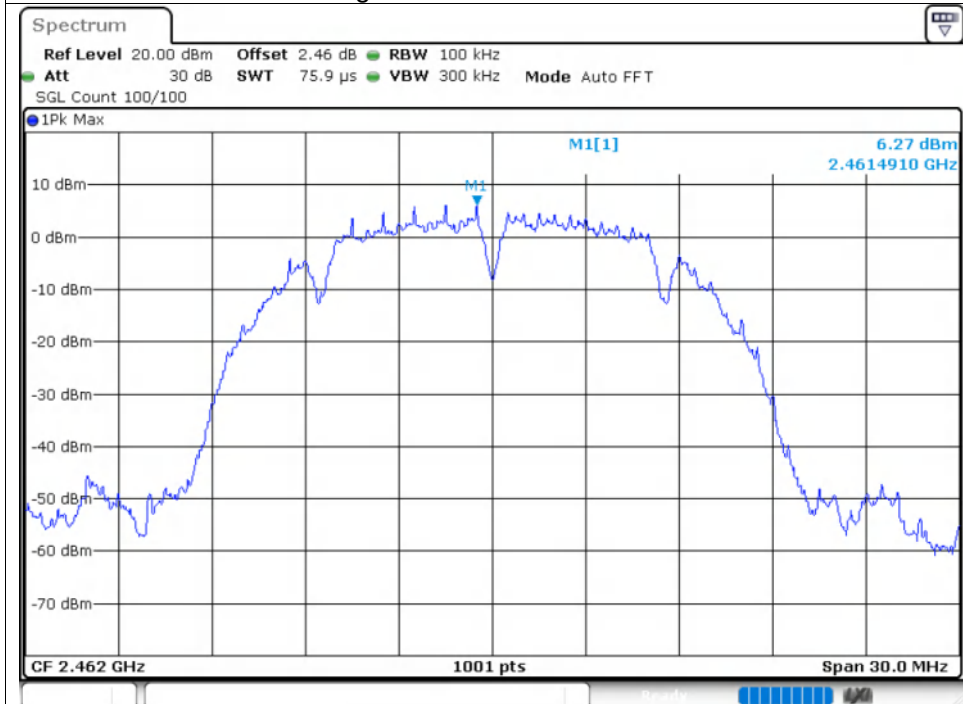
Band Edge NVNT b 2412MHz Ant2 Ref



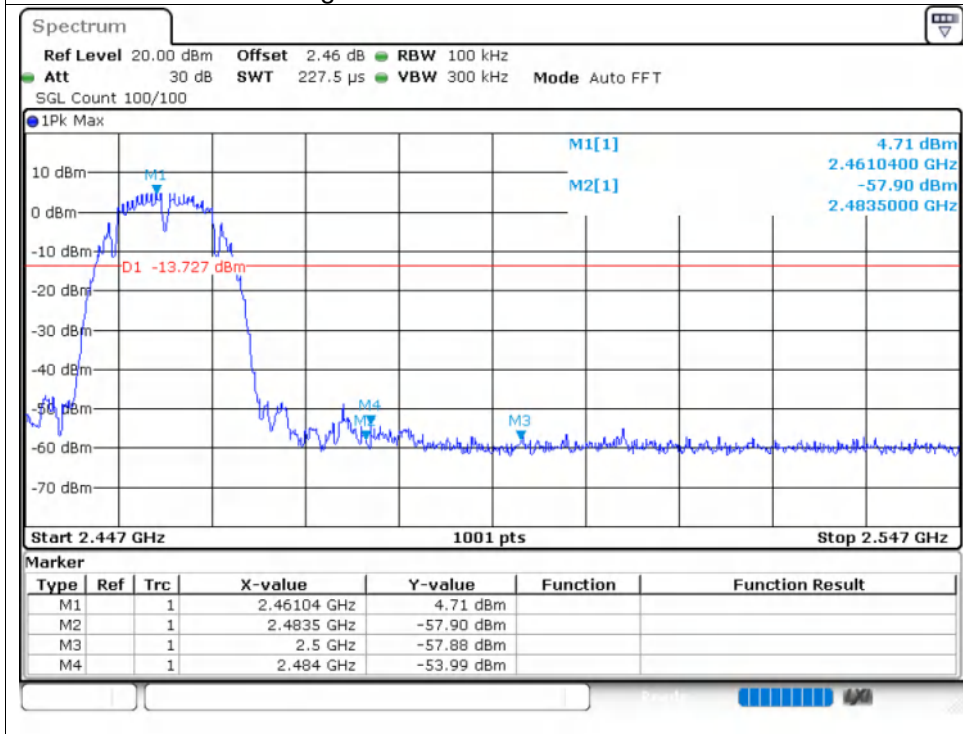
Band Edge NVNT b 2412MHz Ant2 Emission



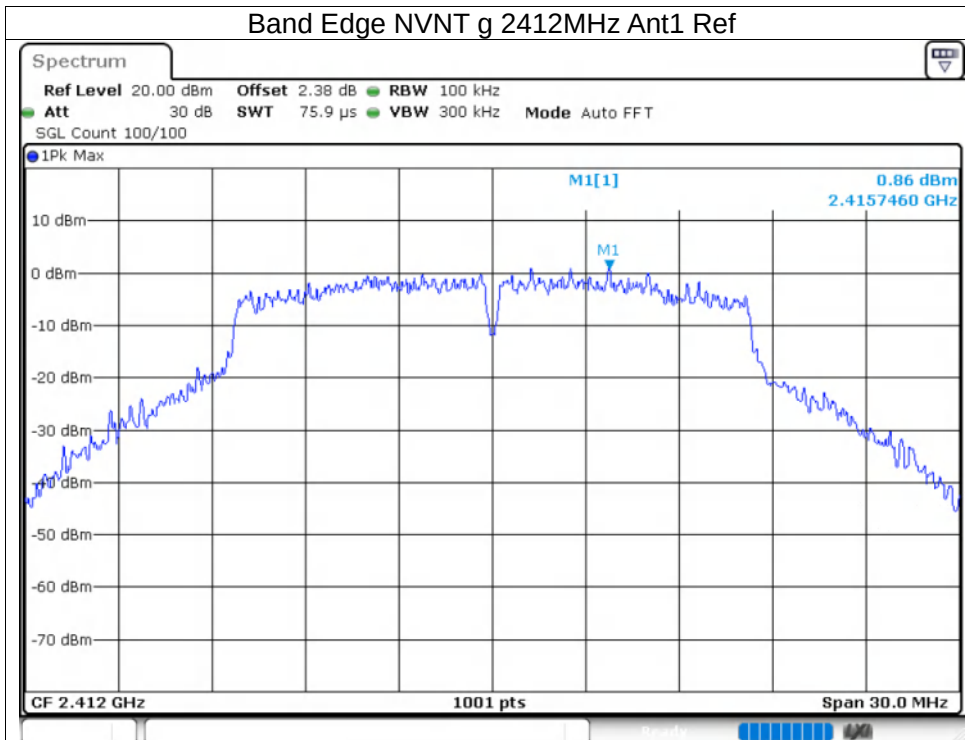
Band Edge NVNT b 2462MHz Ant2 Ref



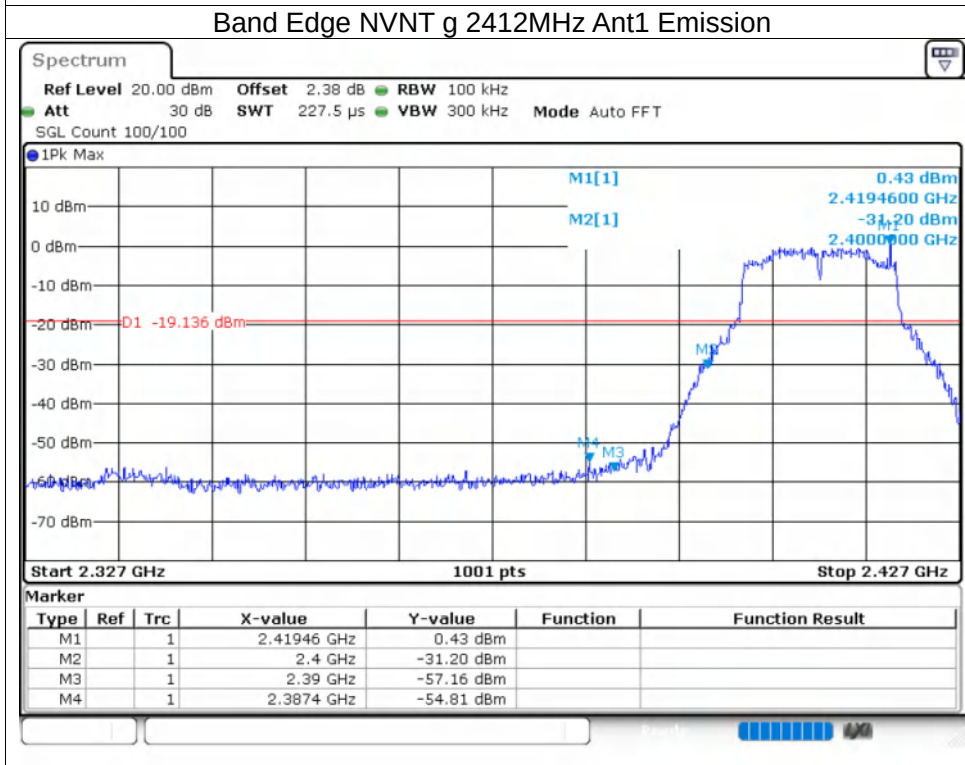
Band Edge NVNT b 2462MHz Ant2 Emission



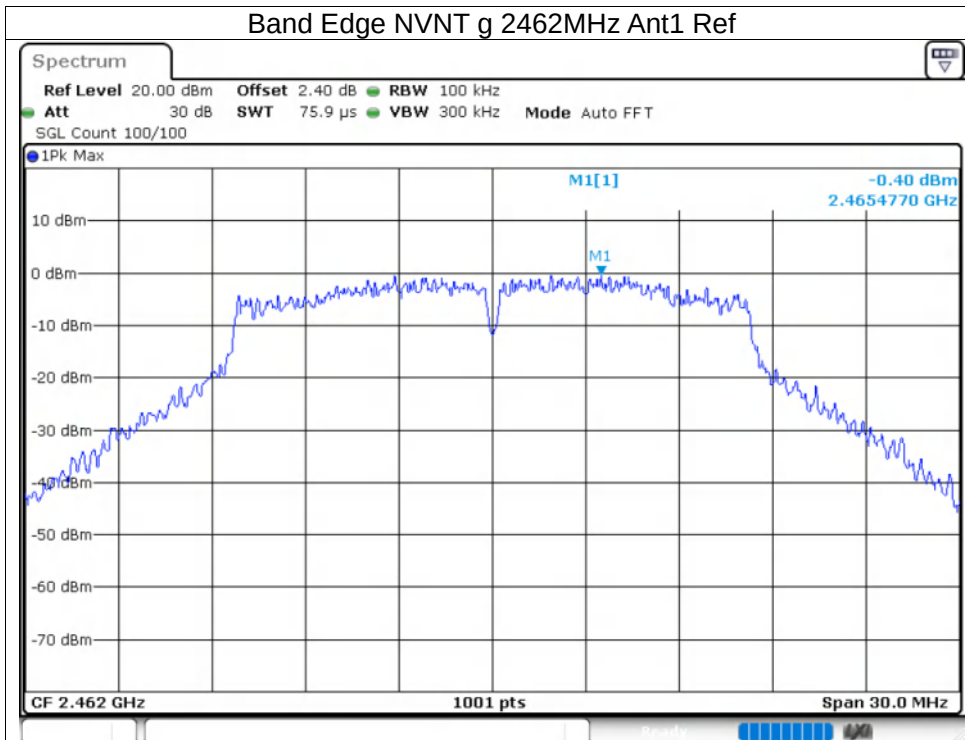
Band Edge NVNT g 2412MHz Ant1 Ref



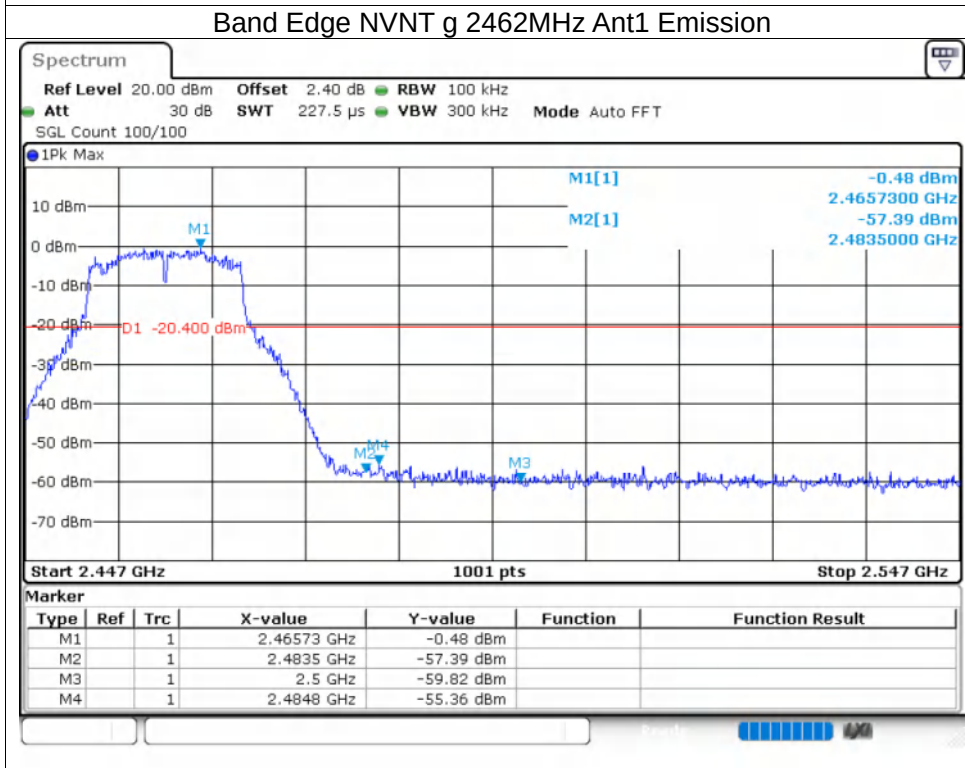
Band Edge NVNT g 2412MHz Ant1 Emission



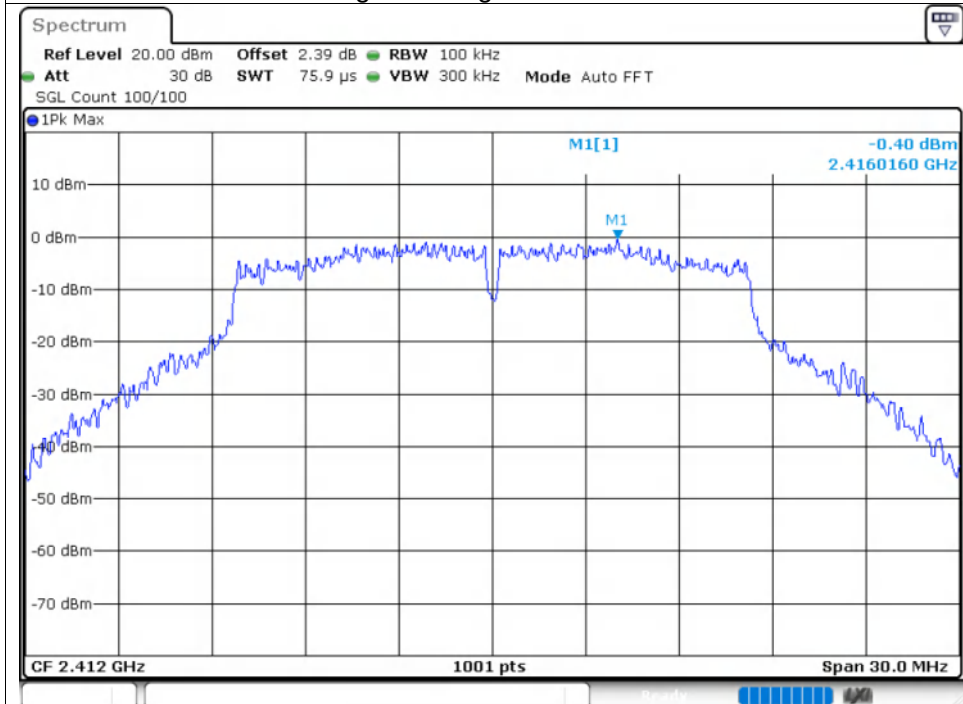
Band Edge NVNT g 2462MHz Ant1 Ref



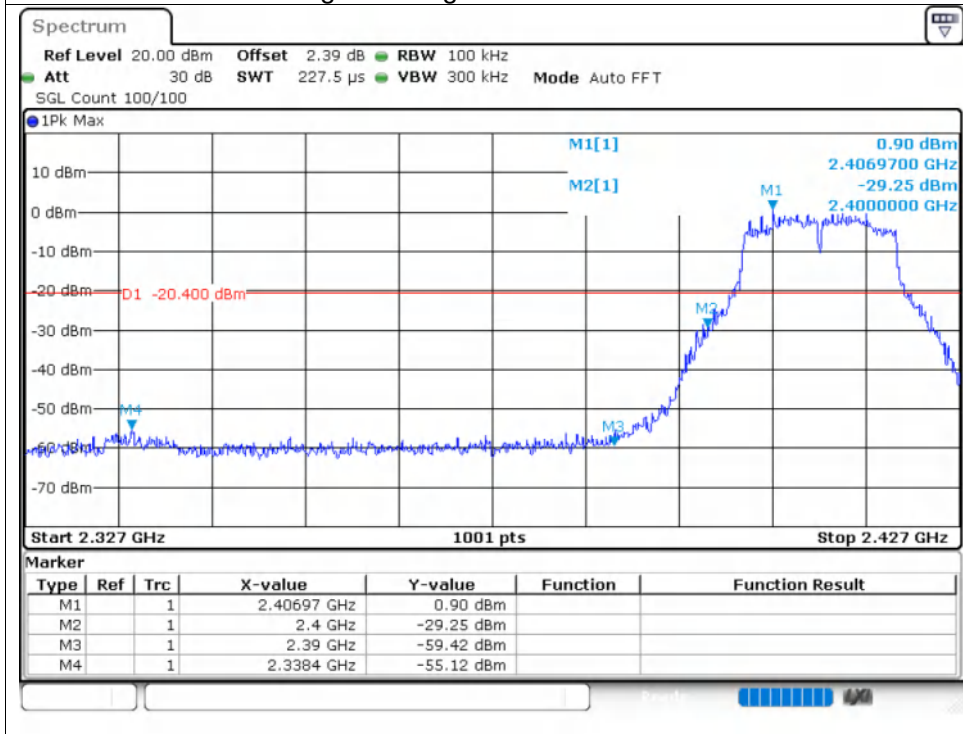
Band Edge NVNT g 2462MHz Ant1 Emission

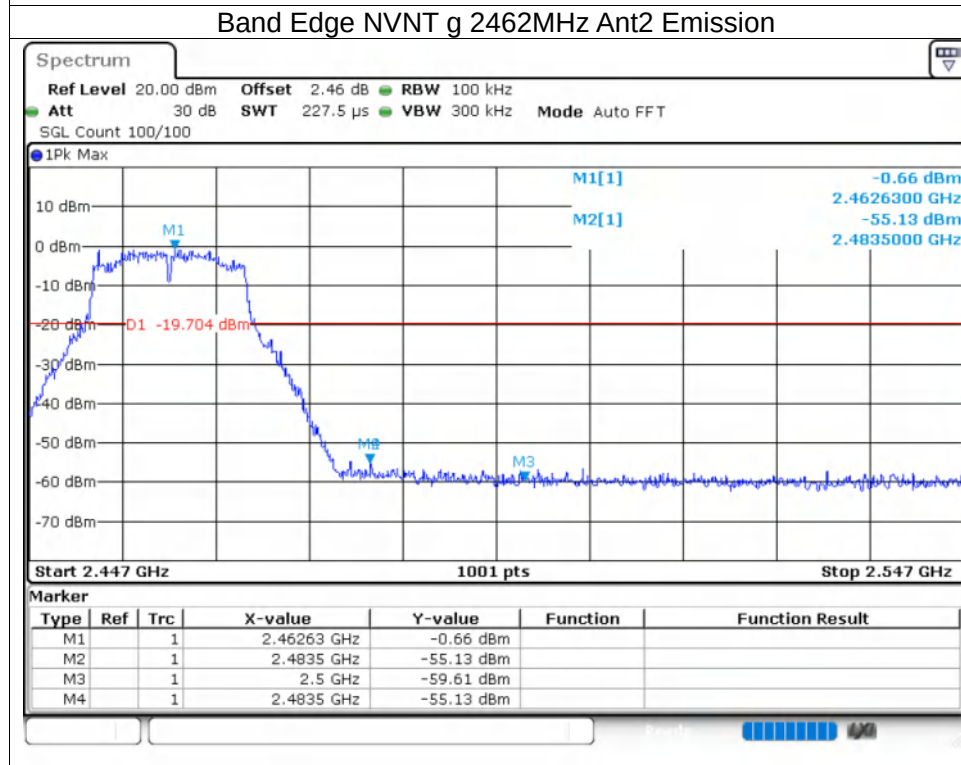
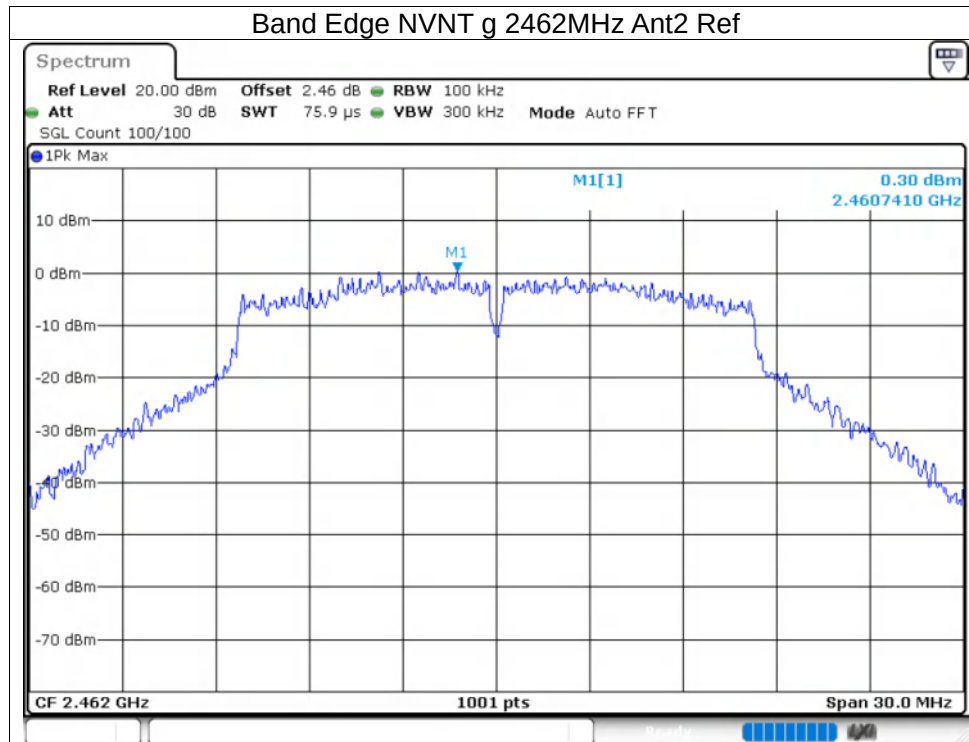


Band Edge NVNT g 2412MHz Ant2 Ref

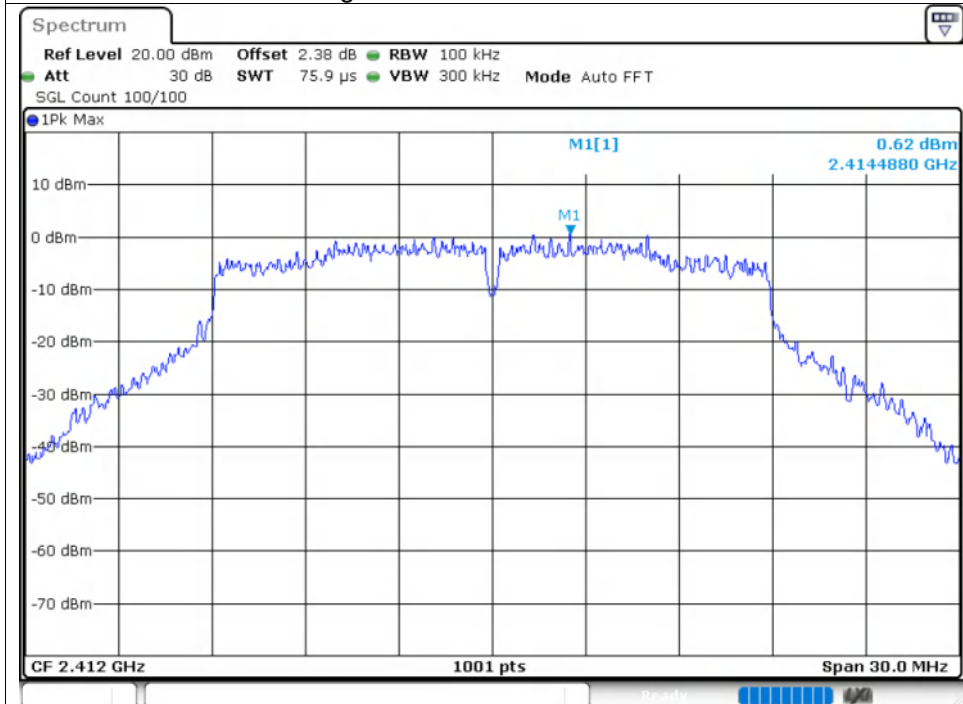


Band Edge NVNT g 2412MHz Ant2 Emission

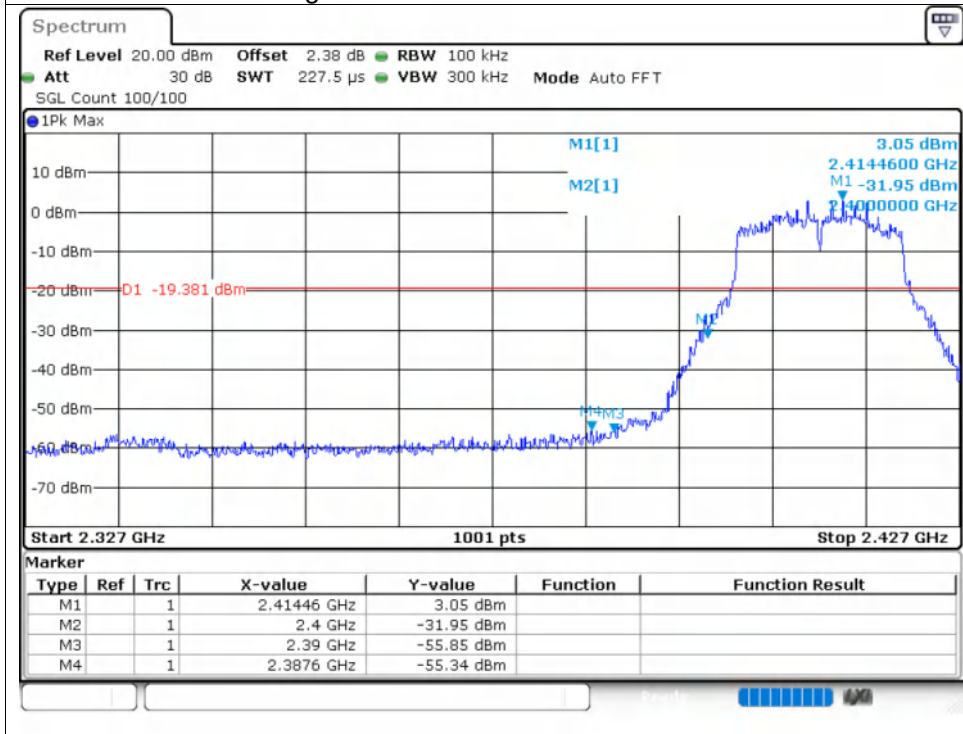




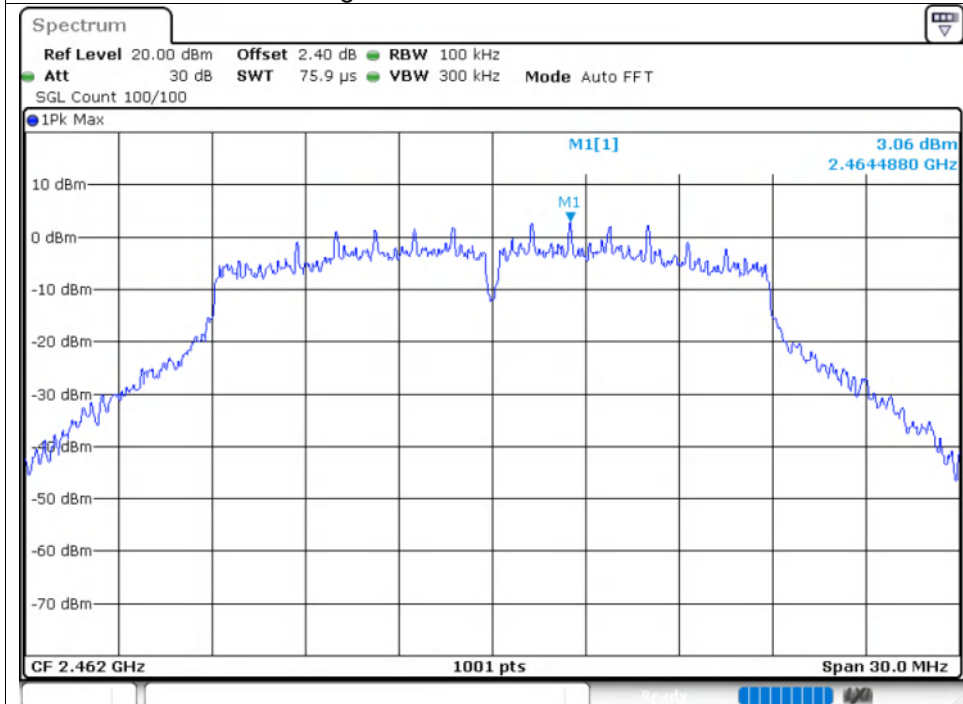
Band Edge NVNT n20 2412MHz Ant1 Ref



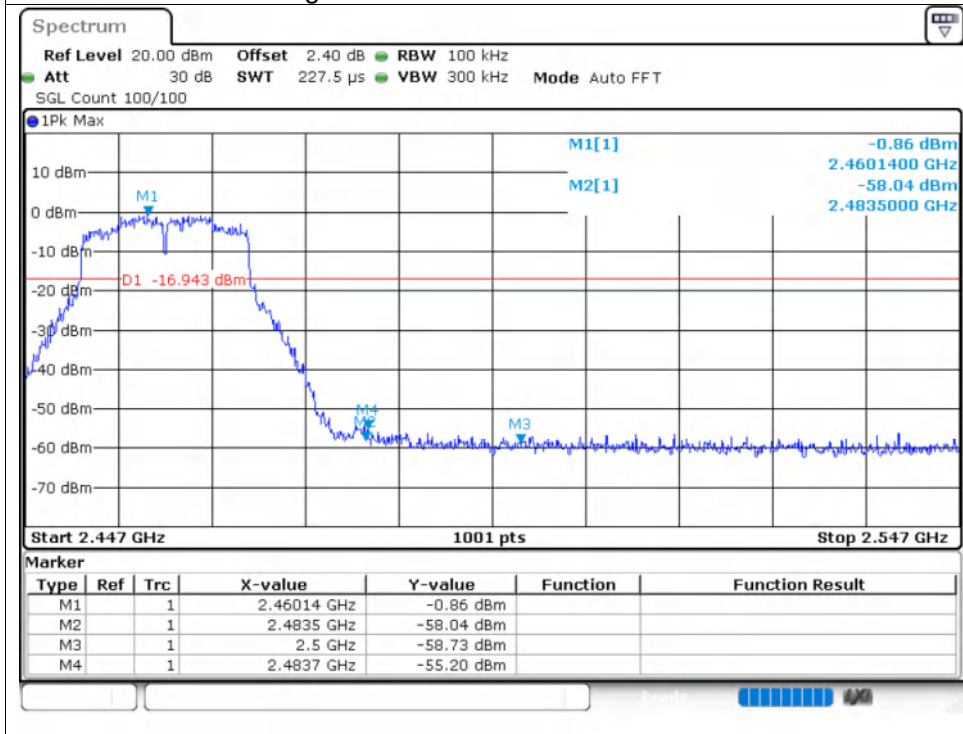
Band Edge NVNT n20 2412MHz Ant1 Emission



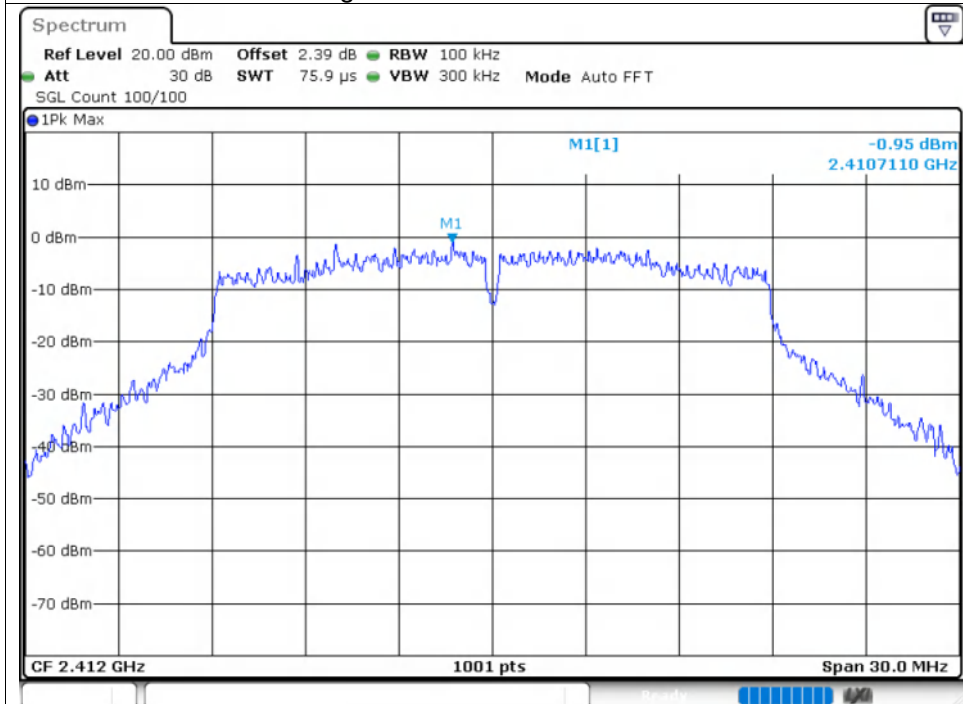
Band Edge NVNT n20 2462MHz Ant1 Ref



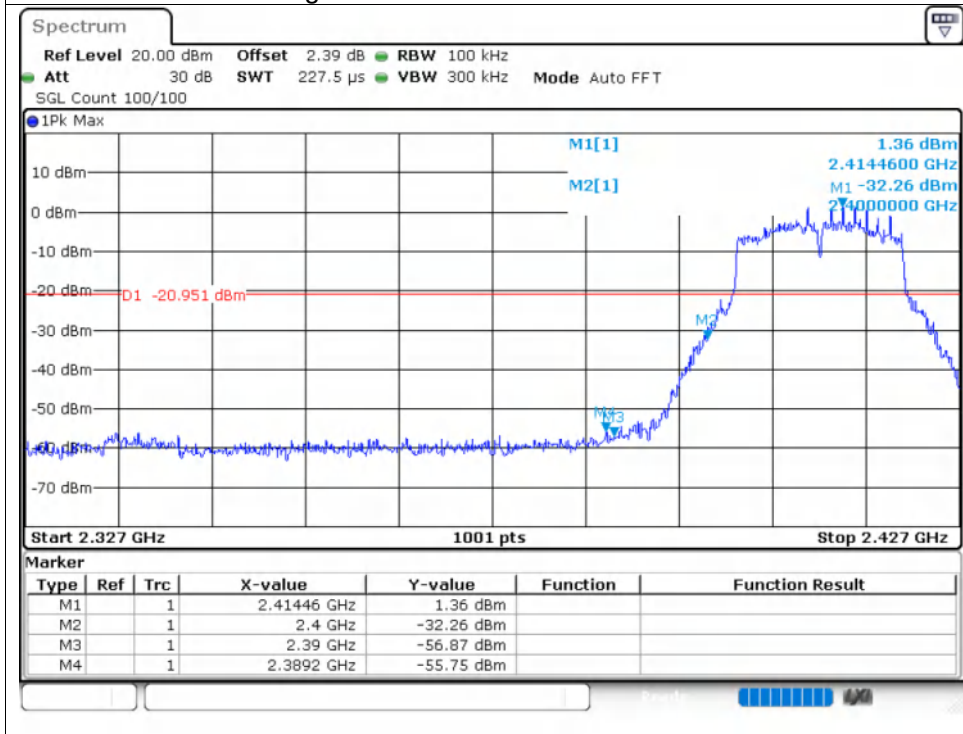
Band Edge NVNT n20 2462MHz Ant1 Emission



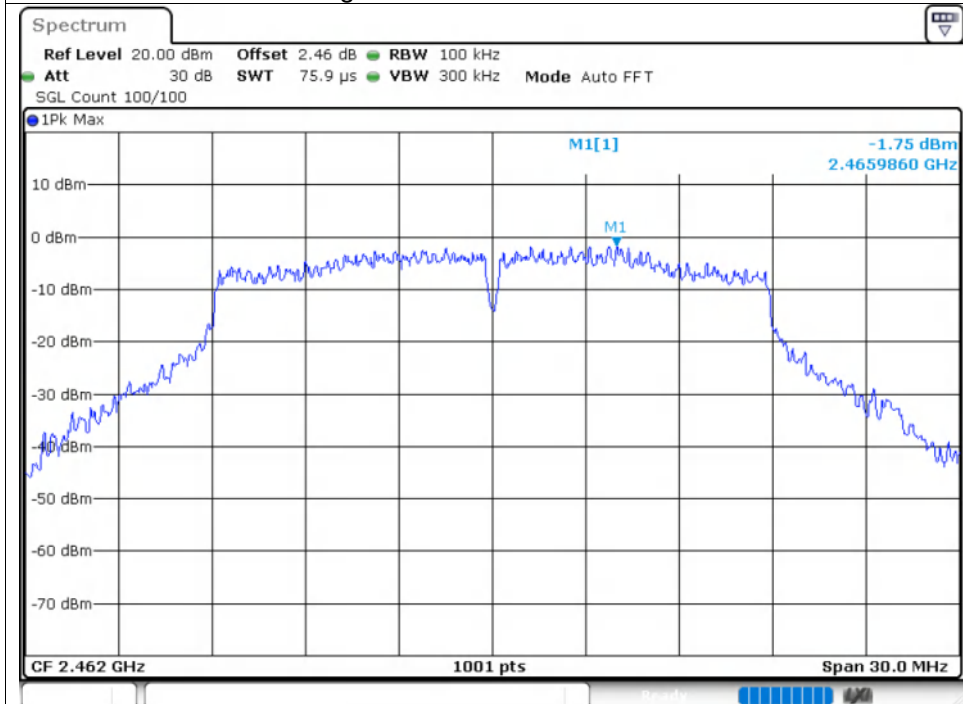
Band Edge NVNT n20 2412MHz Ant2 Ref



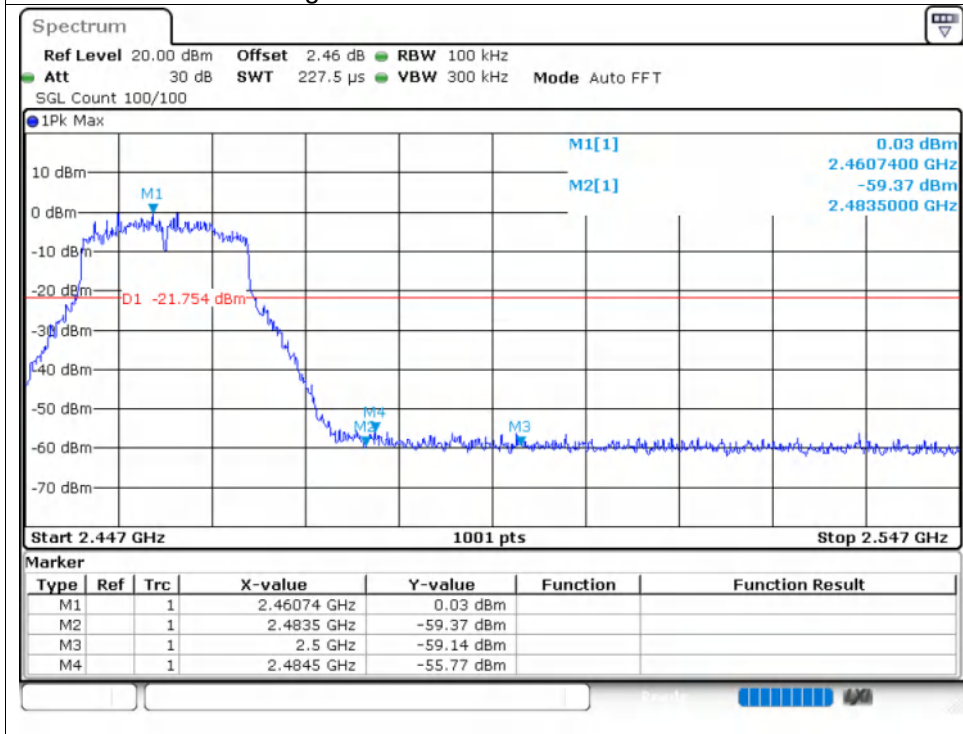
Band Edge NVNT n20 2412MHz Ant2 Emission



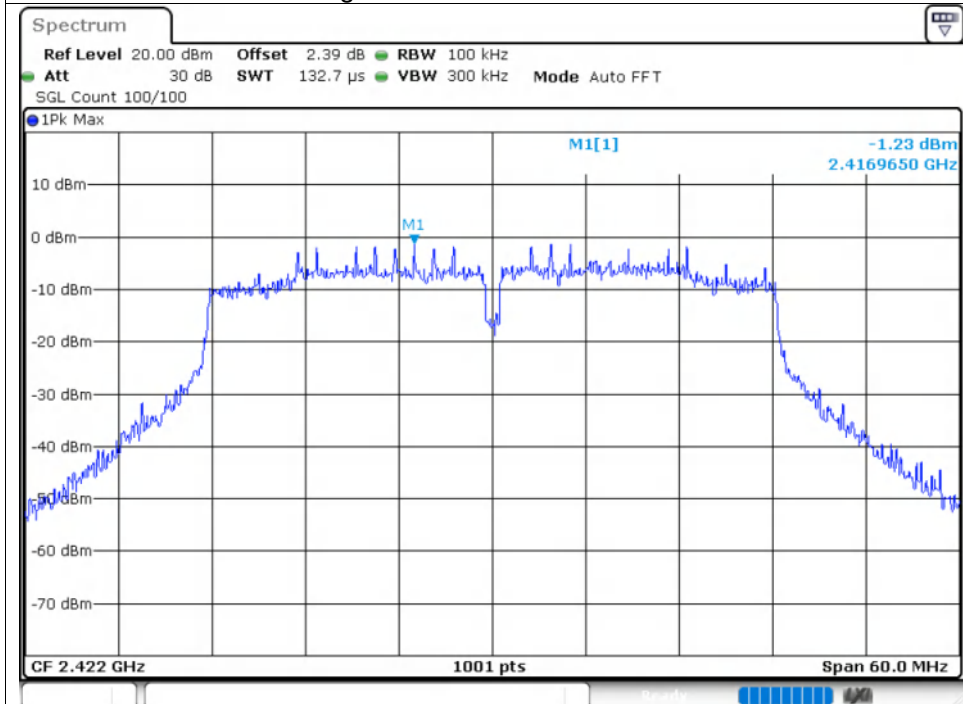
Band Edge NVNT n20 2462MHz Ant2 Ref



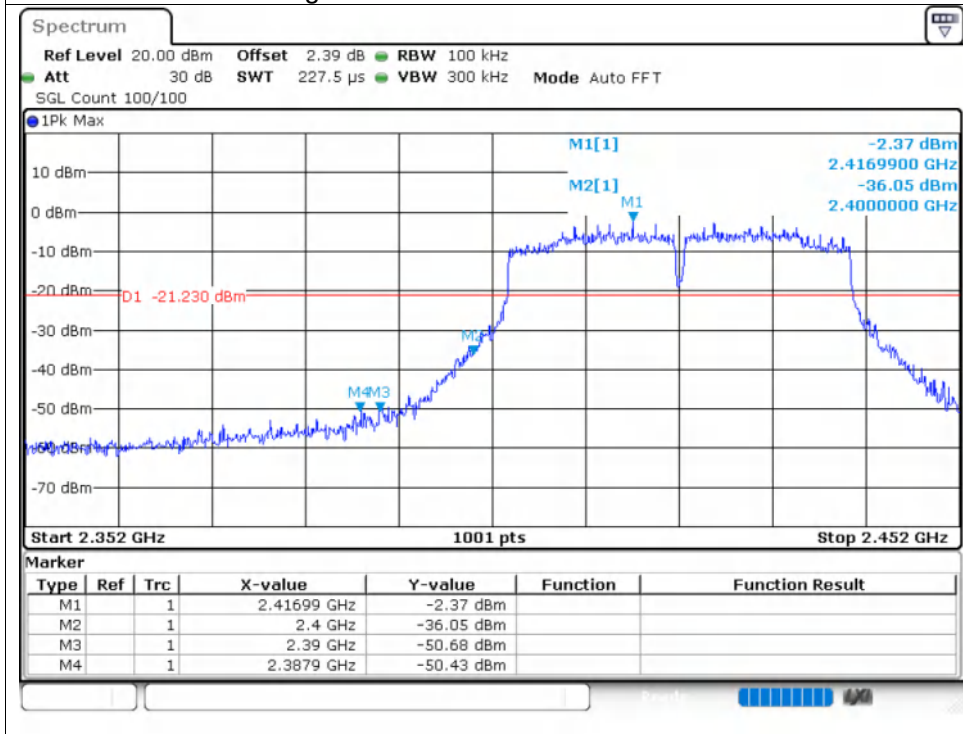
Band Edge NVNT n20 2462MHz Ant2 Emission



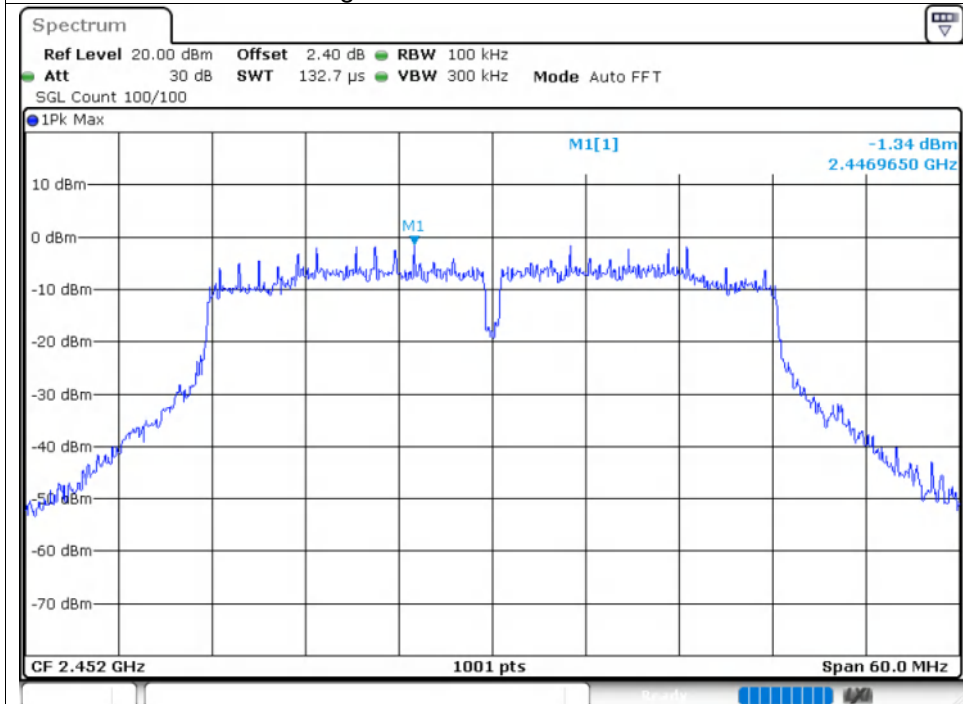
Band Edge NVNT n40 2422MHz Ant1 Ref



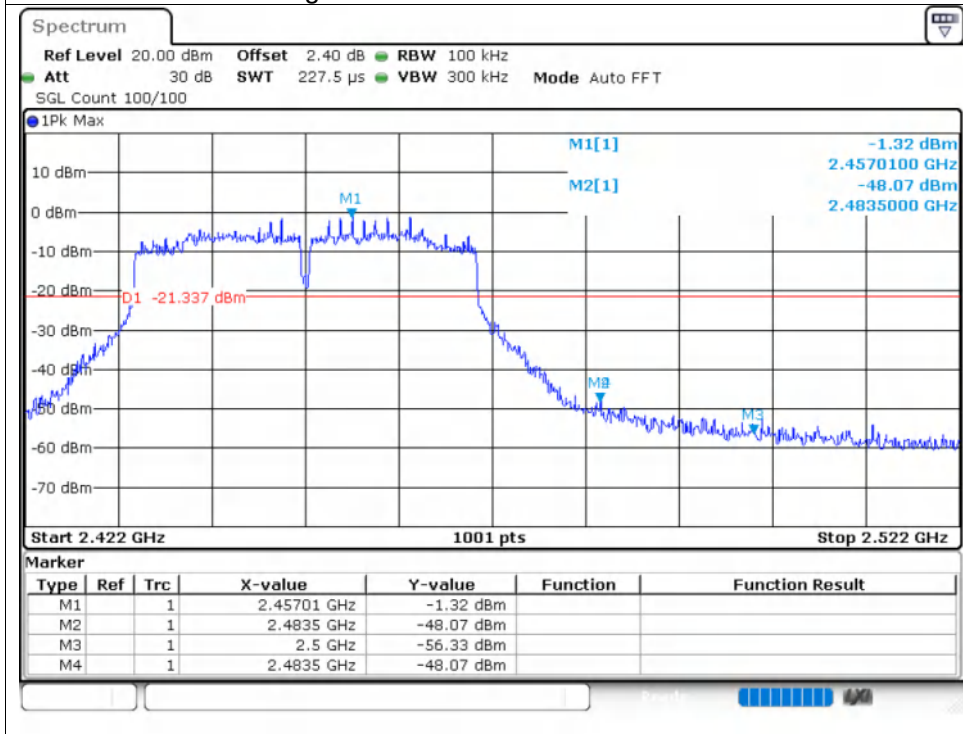
Band Edge NVNT n40 2422MHz Ant1 Emission



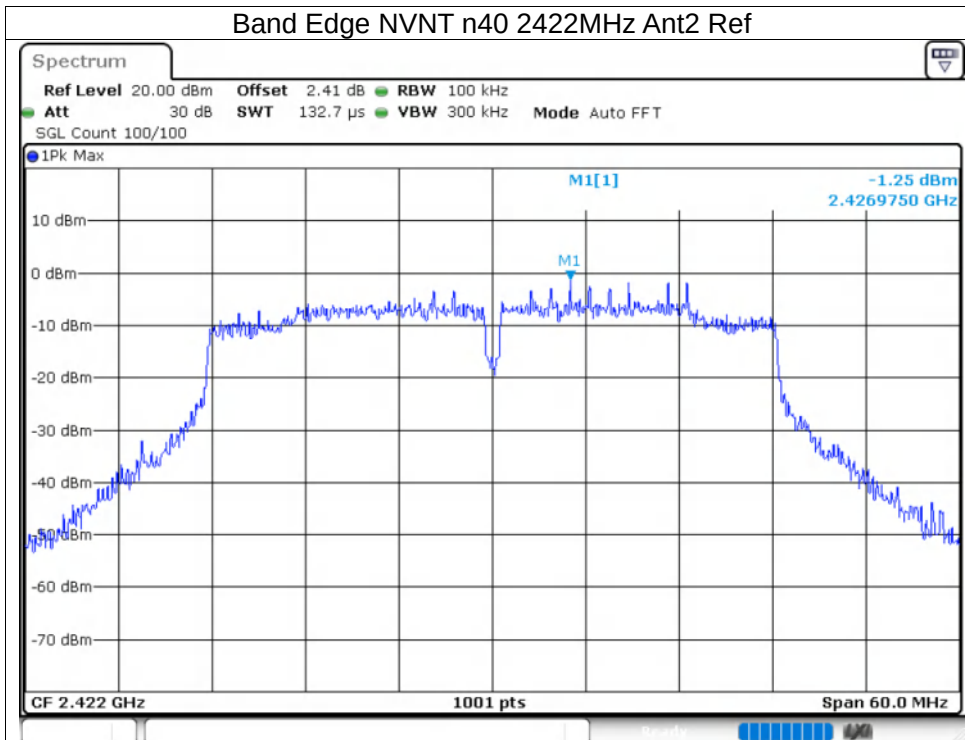
Band Edge NVNT n40 2452MHz Ant1 Ref



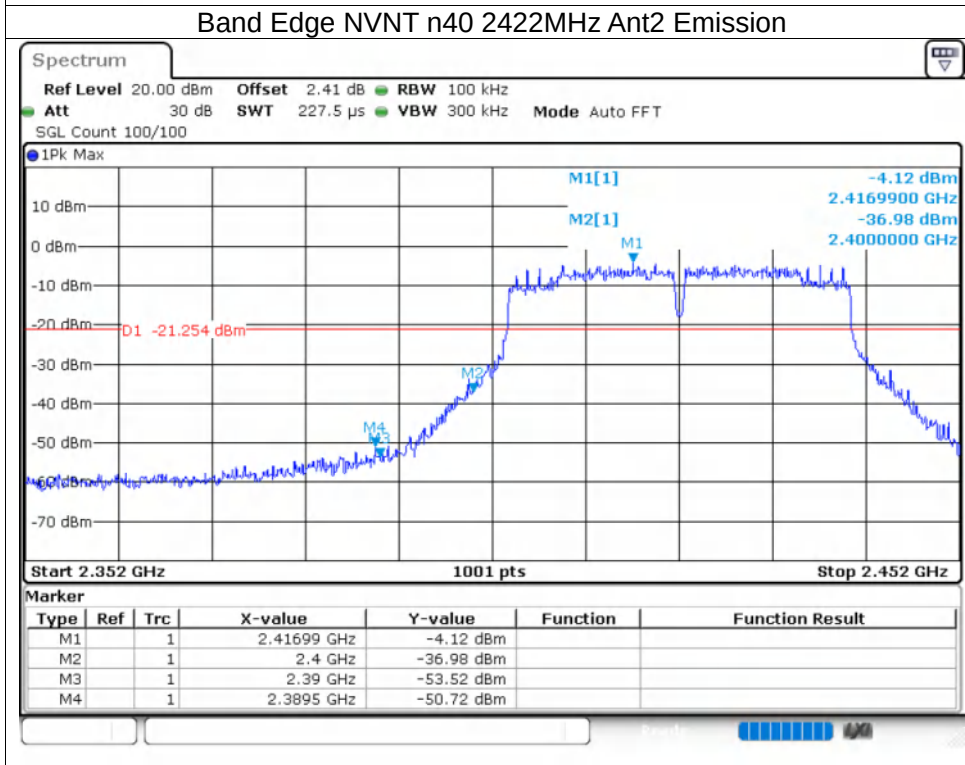
Band Edge NVNT n40 2452MHz Ant1 Emission



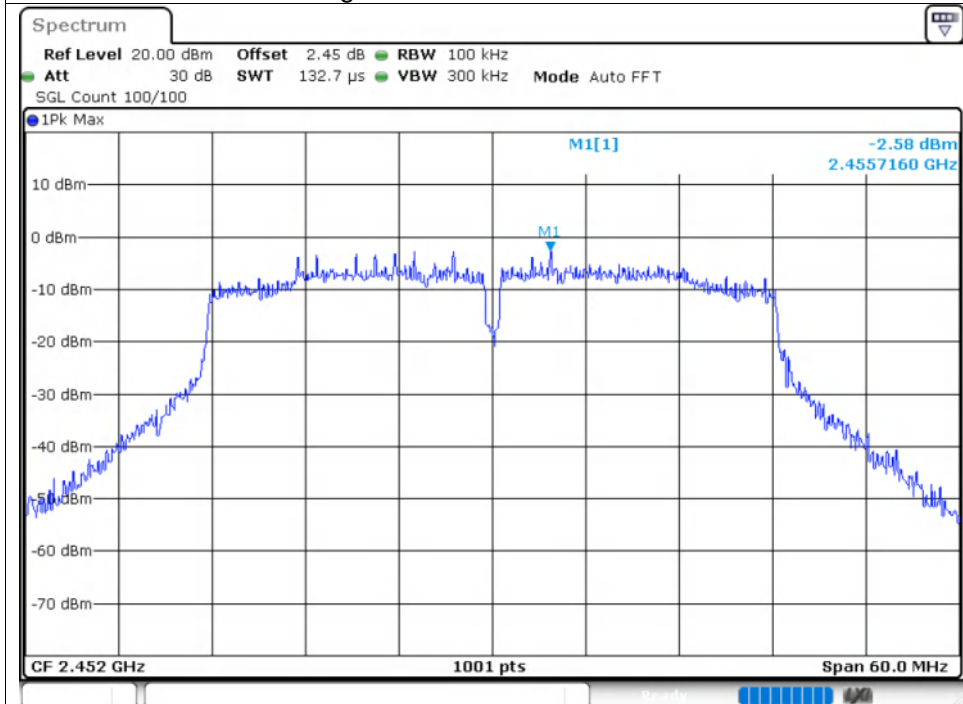
Band Edge NVNT n40 2422MHz Ant2 Ref



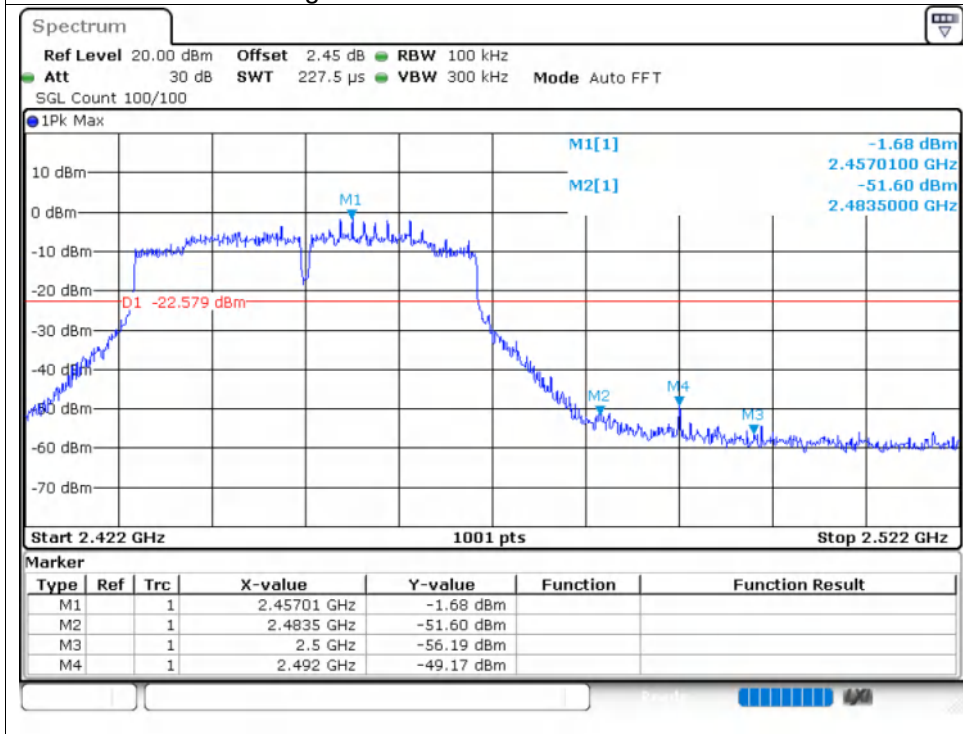
Band Edge NVNT n40 2422MHz Ant2 Emission



Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission

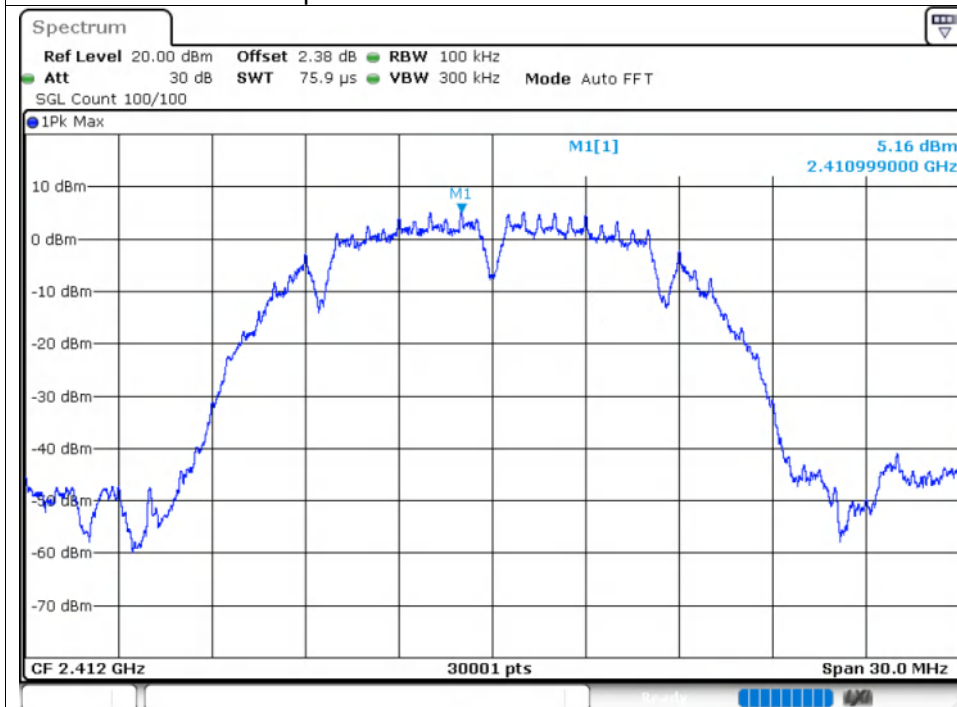


8.1.7 Conducted RF Spurious Emission

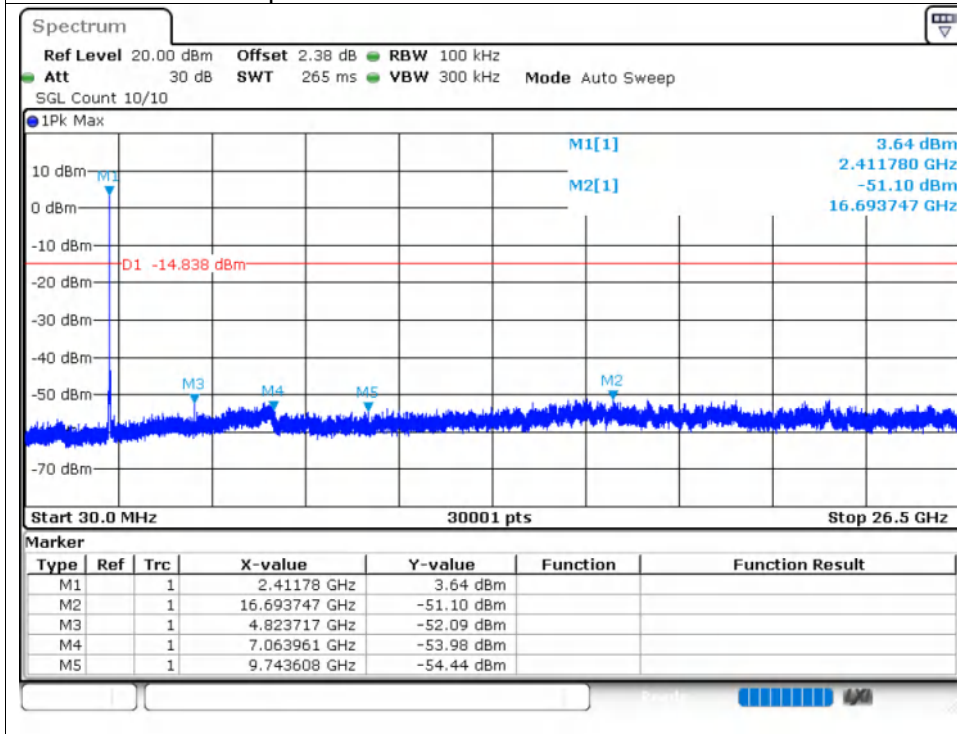
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-56.25	-20	Pass
NVNT	b	2437	Ant1	-55.43	-20	Pass
NVNT	b	2462	Ant1	-56.05	-20	Pass
NVNT	b	2412	Ant2	-55.85	-20	Pass
NVNT	b	2437	Ant2	-57.31	-20	Pass
NVNT	b	2462	Ant2	-55.45	-20	Pass
NVNT	g	2412	Ant1	-53	-20	Pass
NVNT	g	2437	Ant1	-53.96	-20	Pass
NVNT	g	2462	Ant1	-50.68	-20	Pass
NVNT	g	2412	Ant2	-54.2	-20	Pass
NVNT	g	2437	Ant2	-49.51	-20	Pass
NVNT	g	2462	Ant2	-50.42	-20	Pass
NVNT	n20	2412	Ant1	-53.77	-20	Pass
NVNT	n20	2437	Ant1	-54.51	-20	Pass
NVNT	n20	2462	Ant1	-50.4	-20	Pass
NVNT	n20	2412	Ant2	-50.48	-20	Pass
NVNT	n20	2437	Ant2	-50.8	-20	Pass
NVNT	n20	2462	Ant2	-52.17	-20	Pass
NVNT	n40	2422	Ant1	-48.58	-20	Pass
NVNT	n40	2437	Ant1	-50	-20	Pass
NVNT	n40	2452	Ant1	-49.41	-20	Pass
NVNT	n40	2422	Ant2	-49.76	-20	Pass
NVNT	n40	2437	Ant2	-48.94	-20	Pass
NVNT	n40	2452	Ant2	-49.14	-20	Pass

Test Graphs

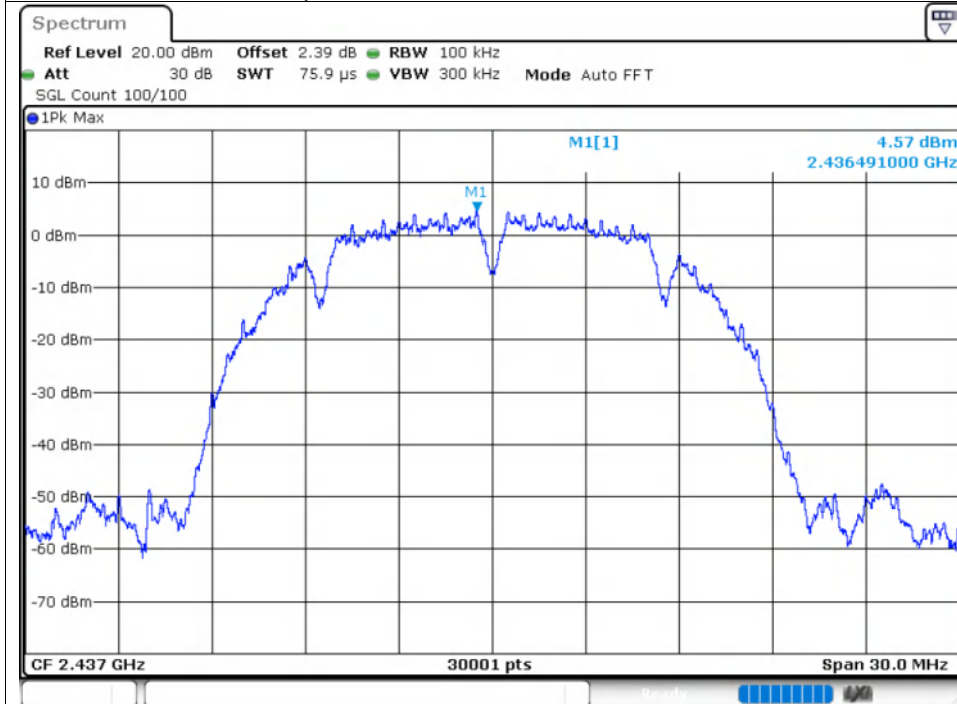
Tx. Spurious NVNT b 2412MHz Ant1 Ref



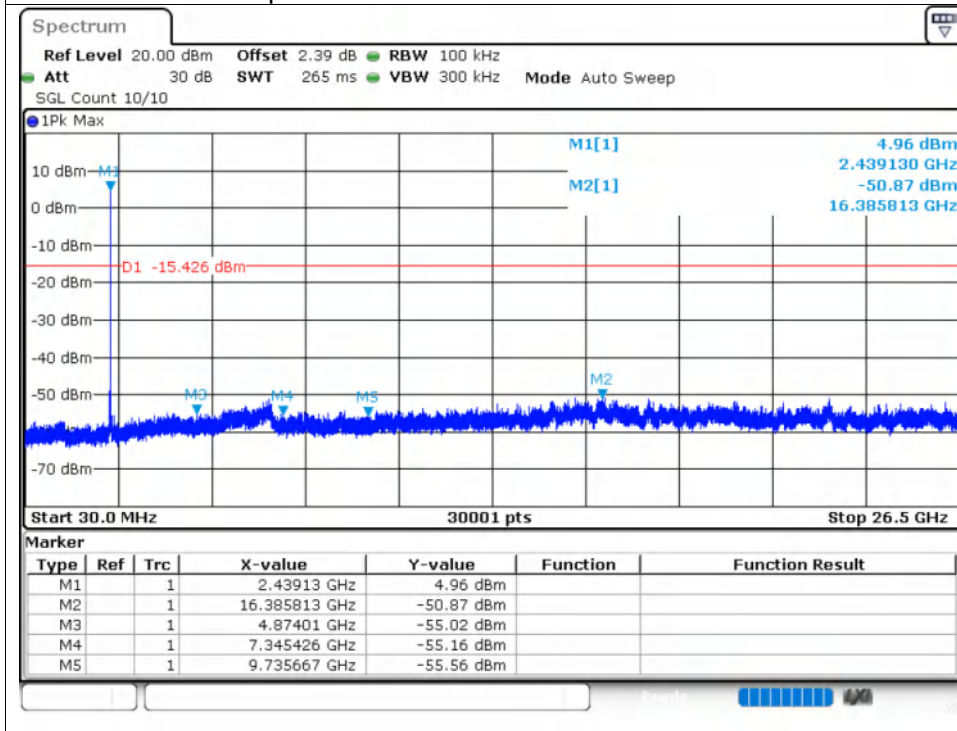
Tx. Spurious NVNT b 2412MHz Ant1 Emission



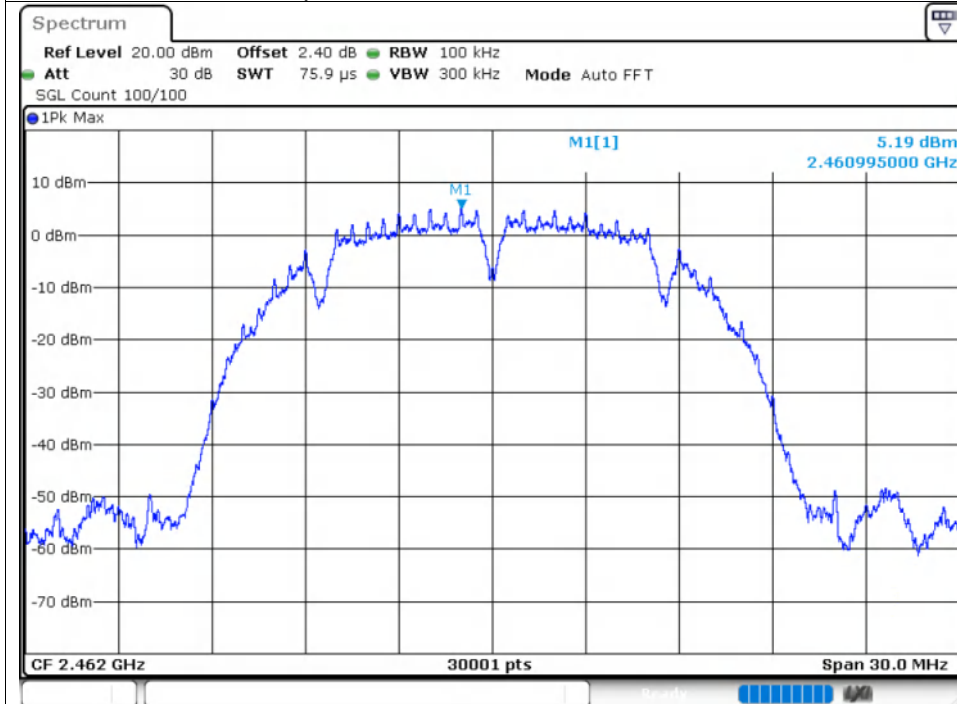
Tx. Spurious NVNT b 2437MHz Ant1 Ref



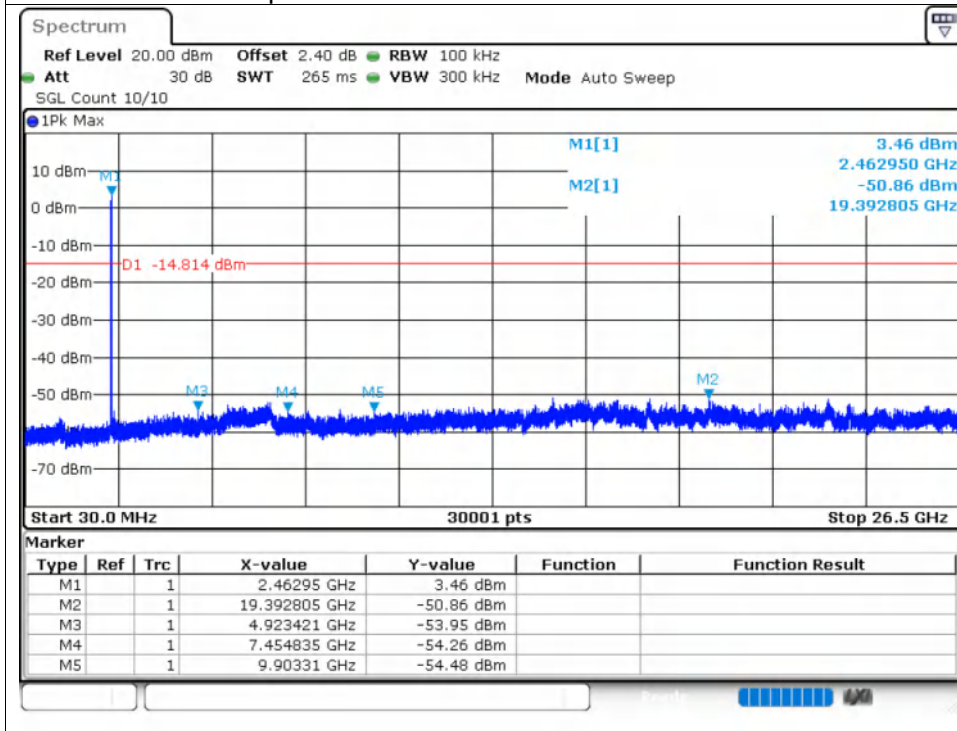
Tx. Spurious NVNT b 2437MHz Ant1 Emission



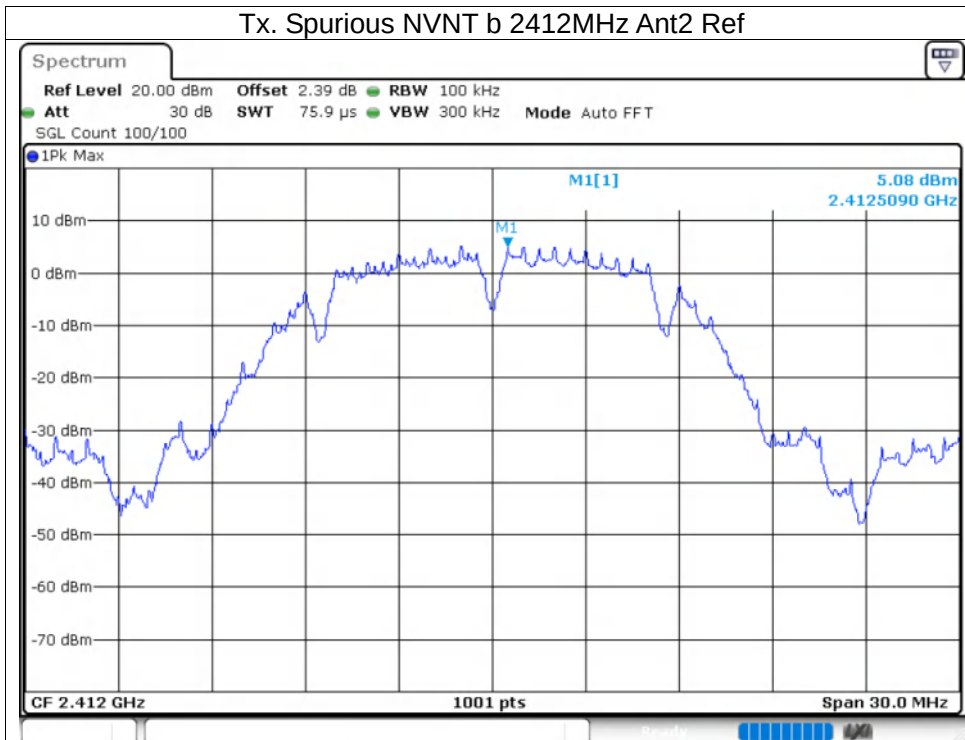
Tx. Spurious NVNT b 2462MHz Ant1 Ref



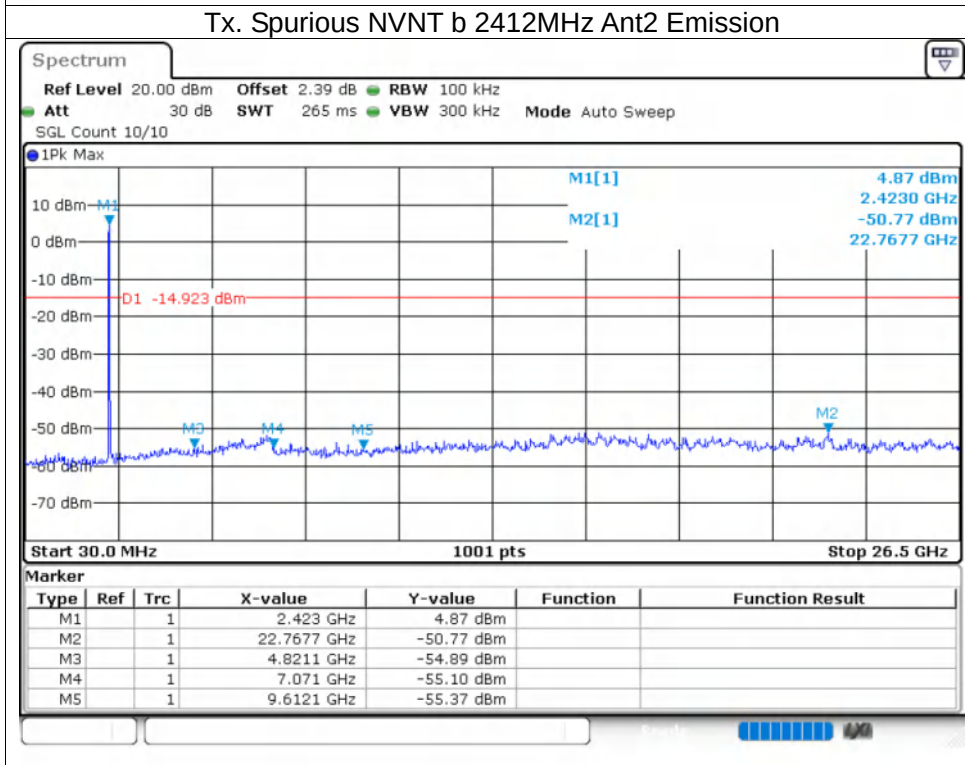
Tx. Spurious NVNT b 2462MHz Ant1 Emission



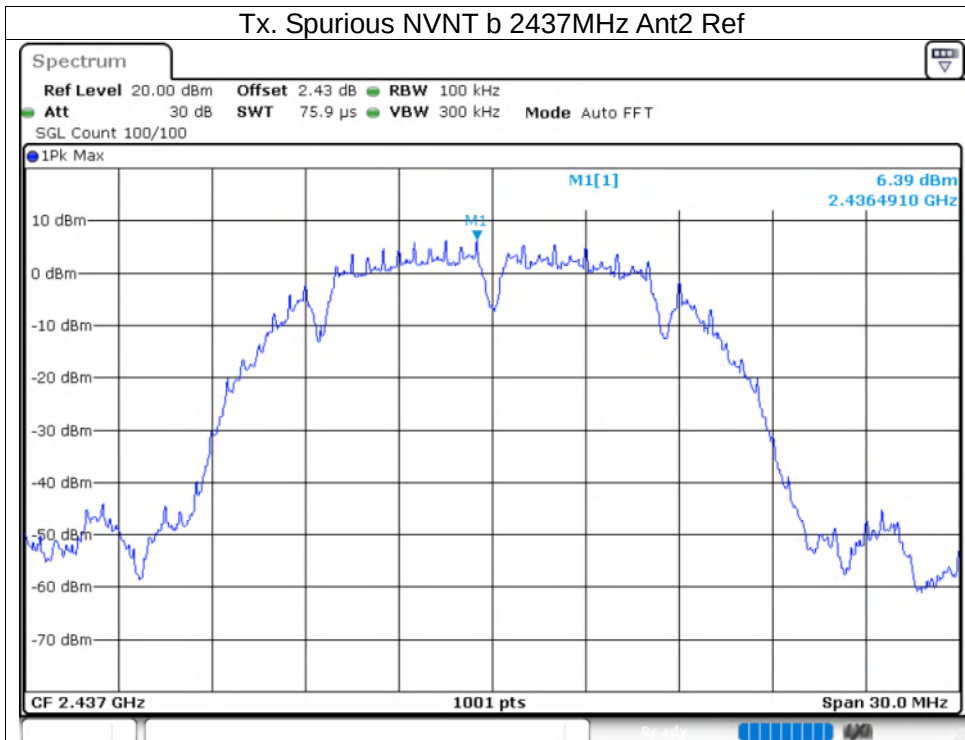
Tx. Spurious NVNT b 2412MHz Ant2 Ref



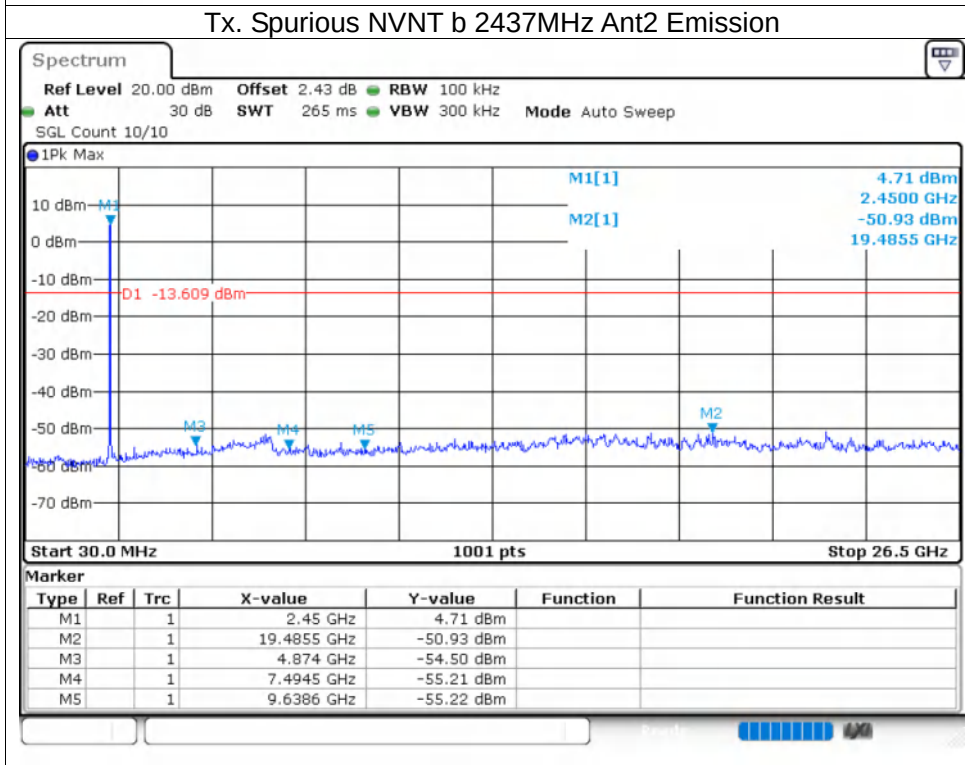
Tx. Spurious NVNT b 2412MHz Ant2 Emission



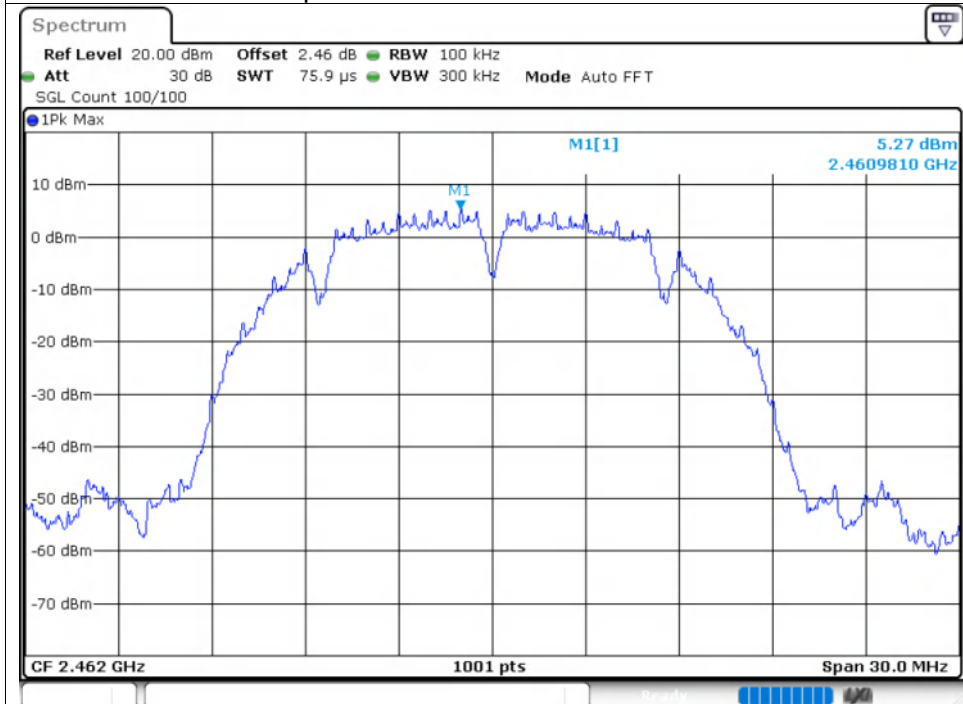
Tx. Spurious NVNT b 2437MHz Ant2 Ref



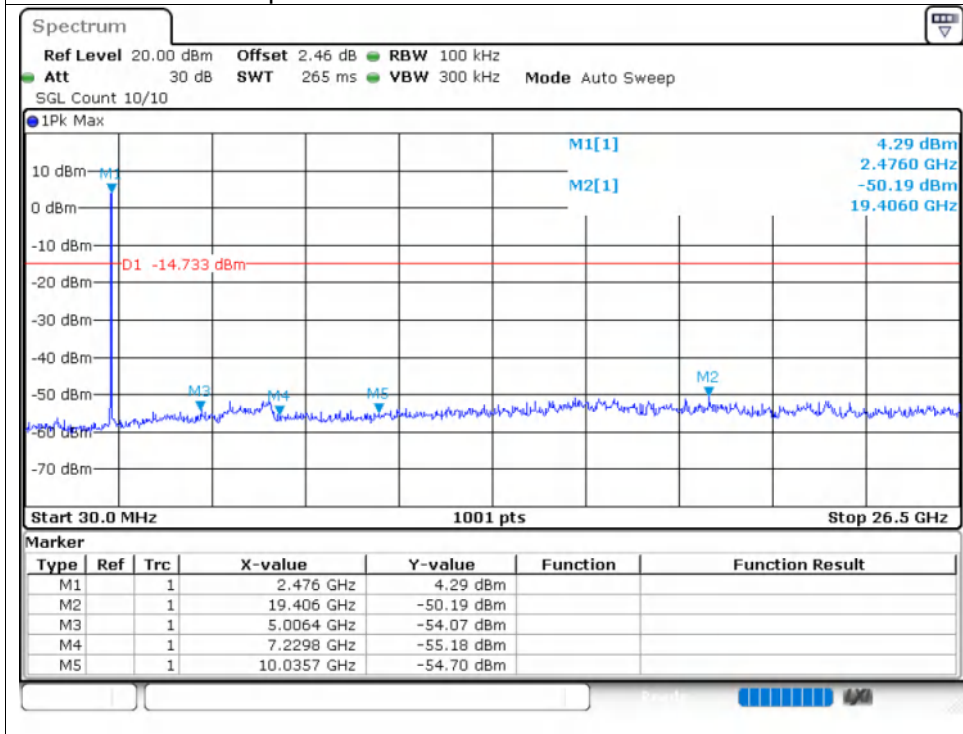
Tx. Spurious NVNT b 2437MHz Ant2 Emission



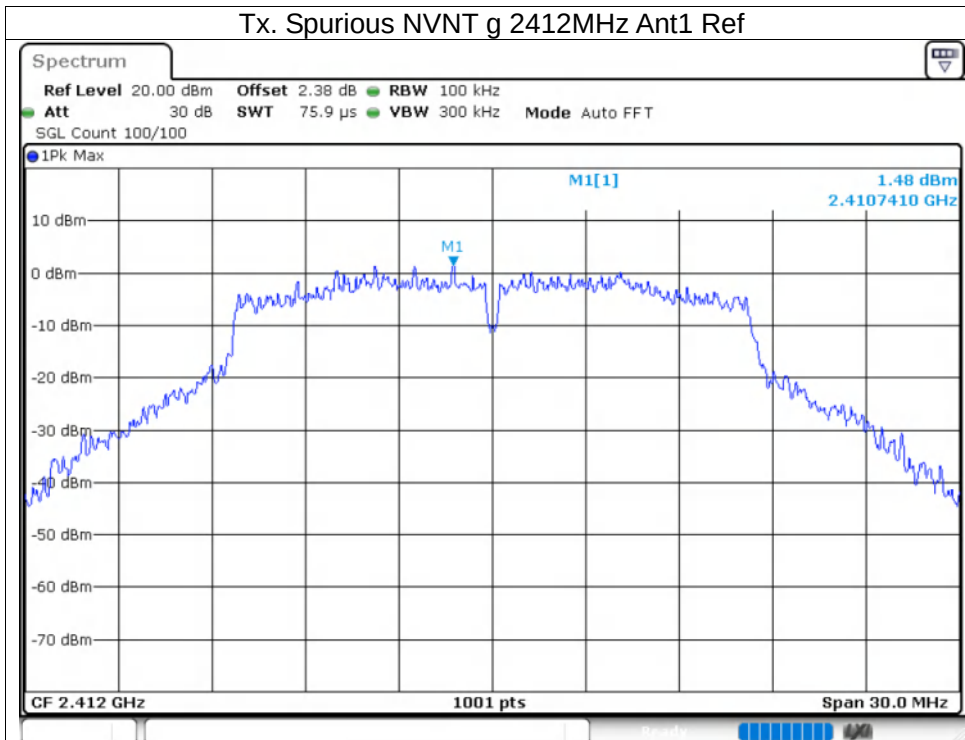
Tx. Spurious NVNT b 2462MHz Ant2 Ref



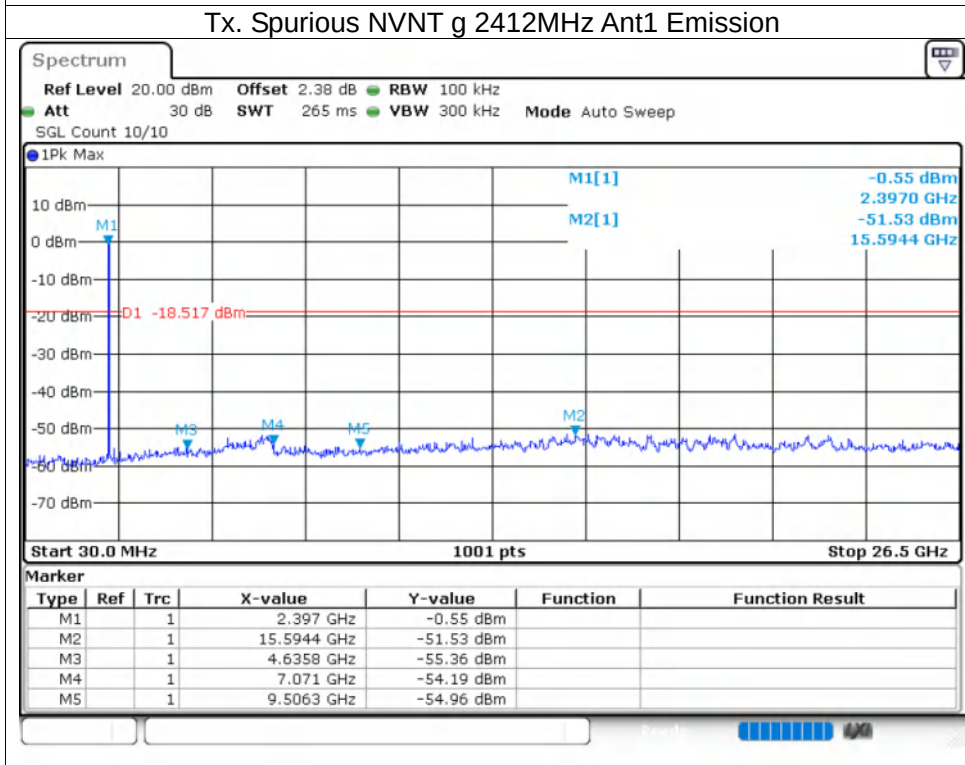
Tx. Spurious NVNT b 2462MHz Ant2 Emission



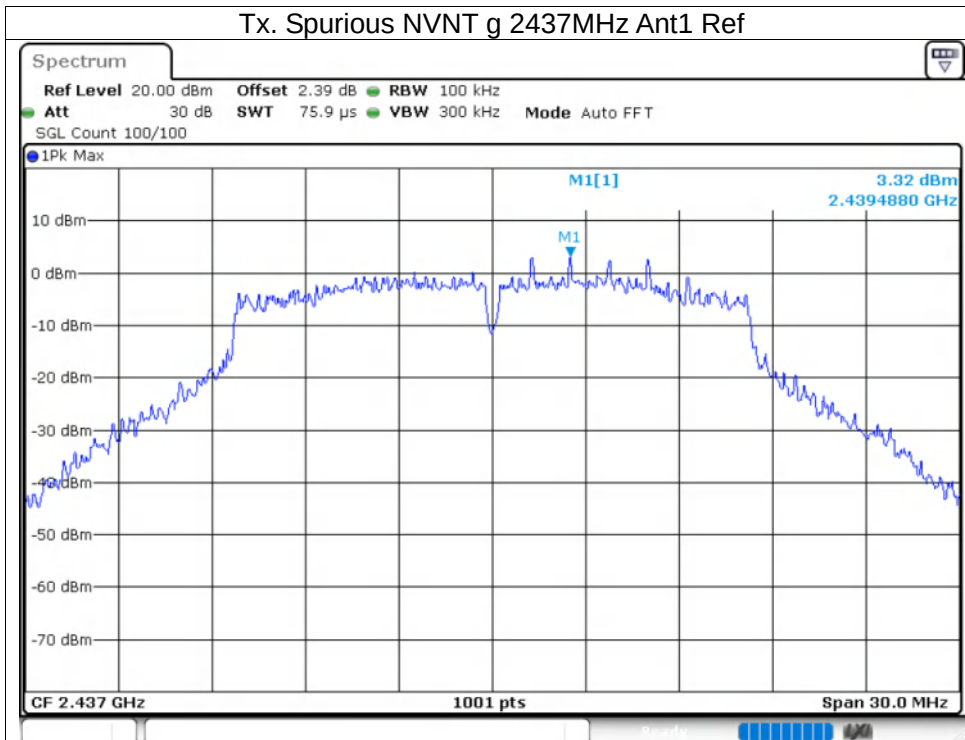
Tx. Spurious NVNT g 2412MHz Ant1 Ref



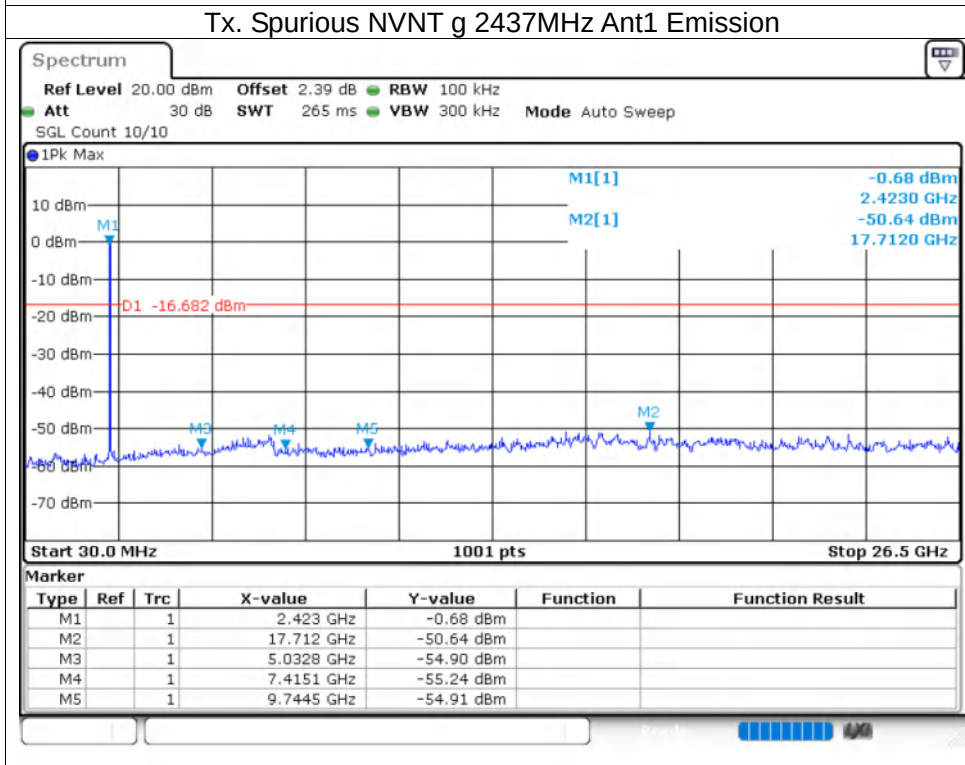
Tx. Spurious NVNT g 2412MHz Ant1 Emission



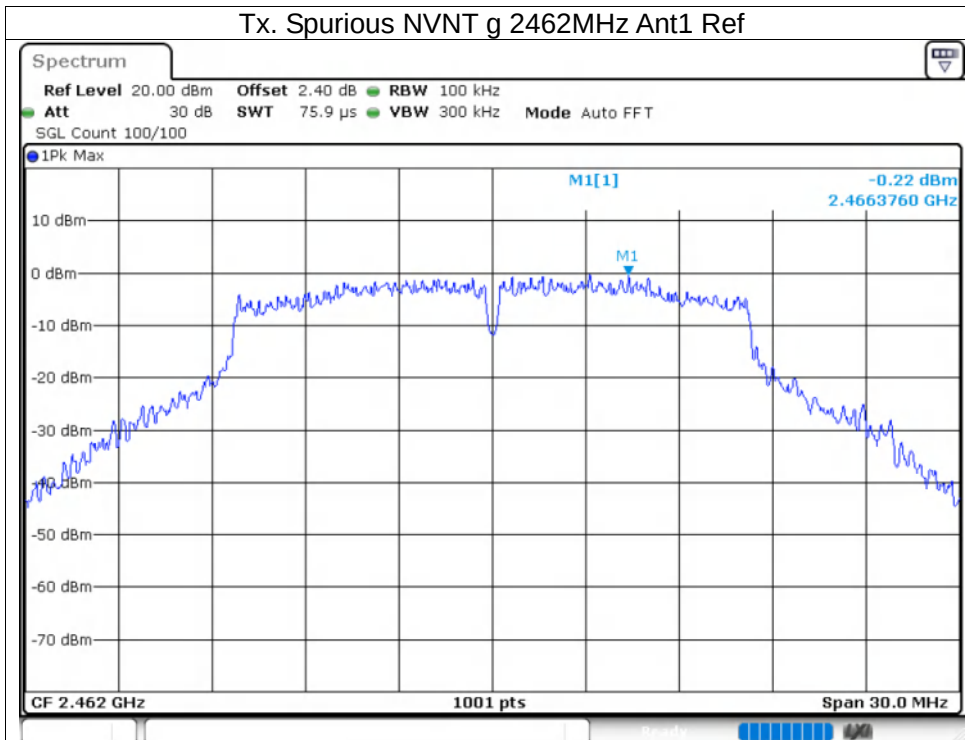
Tx. Spurious NVNT g 2437MHz Ant1 Ref



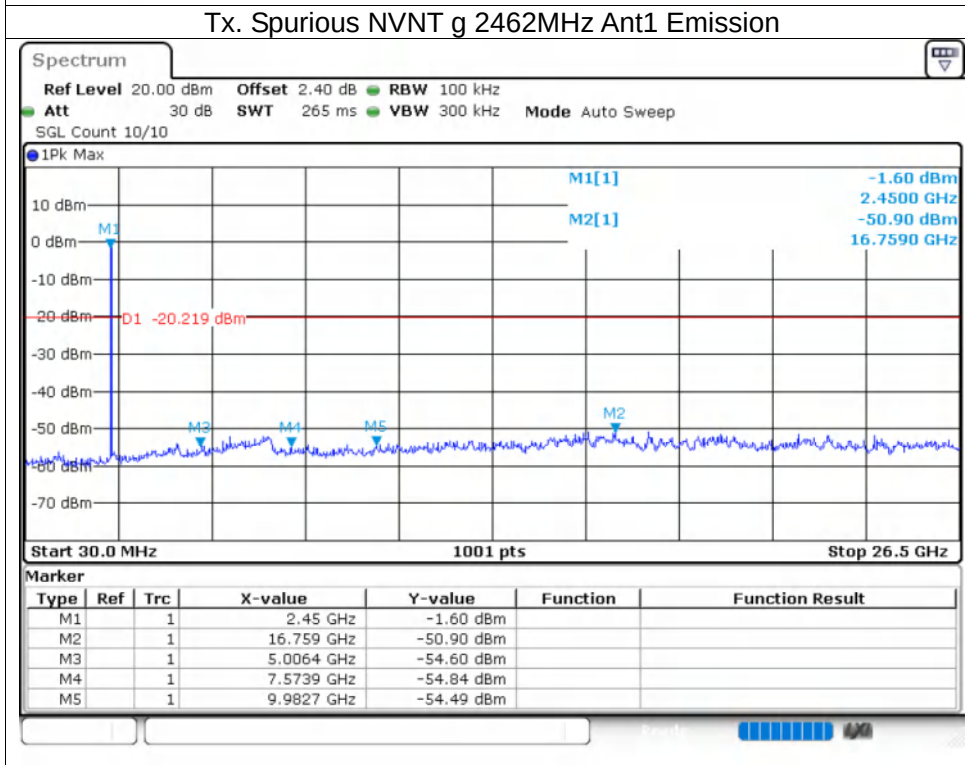
Tx. Spurious NVNT g 2437MHz Ant1 Emission



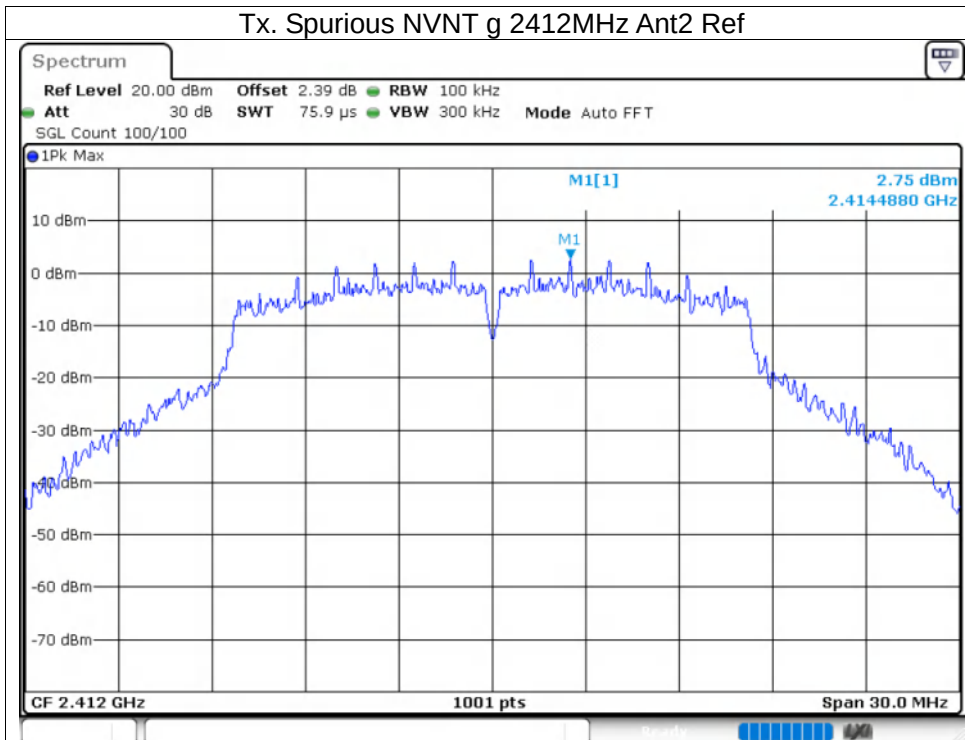
Tx. Spurious NVNT g 2462MHz Ant1 Ref



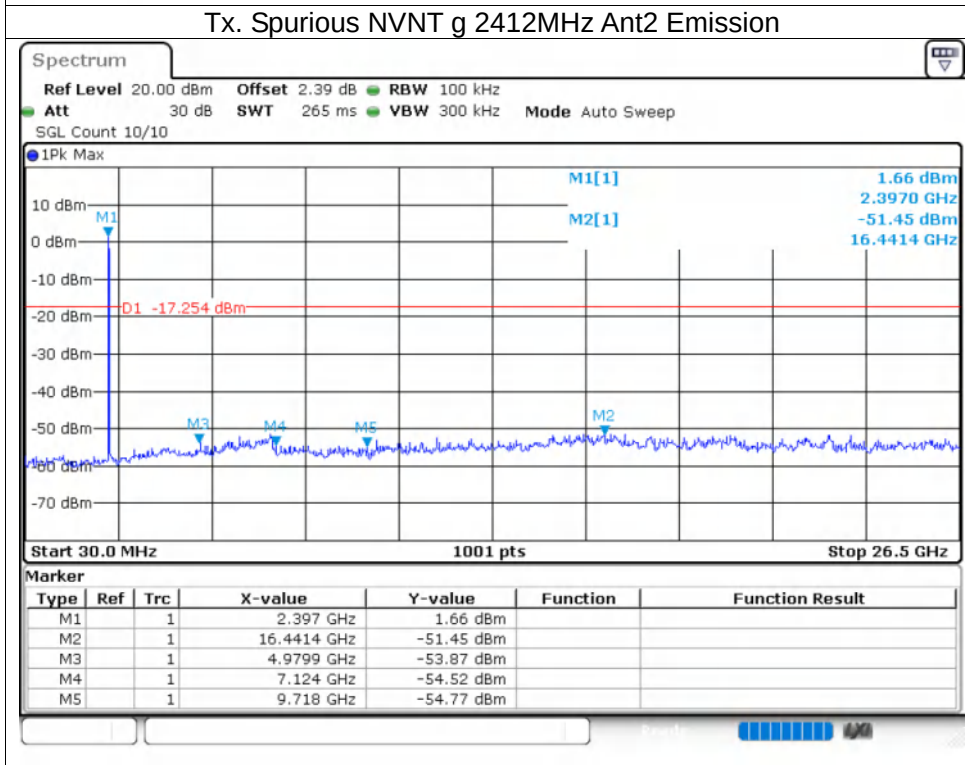
Tx. Spurious NVNT g 2462MHz Ant1 Emission



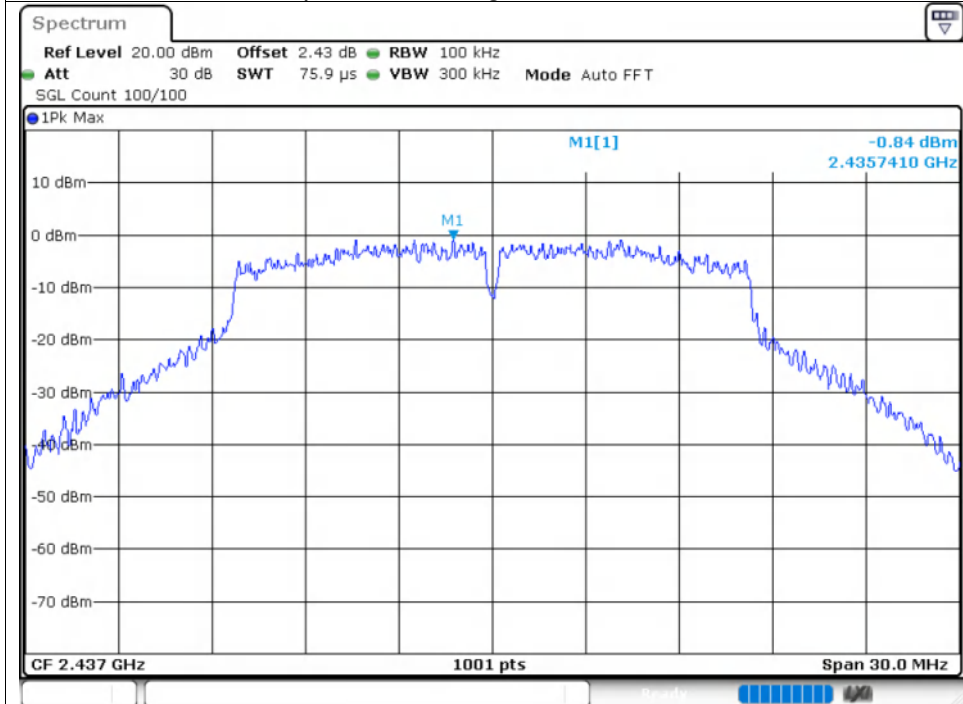
Tx. Spurious NVNT g 2412MHz Ant2 Ref



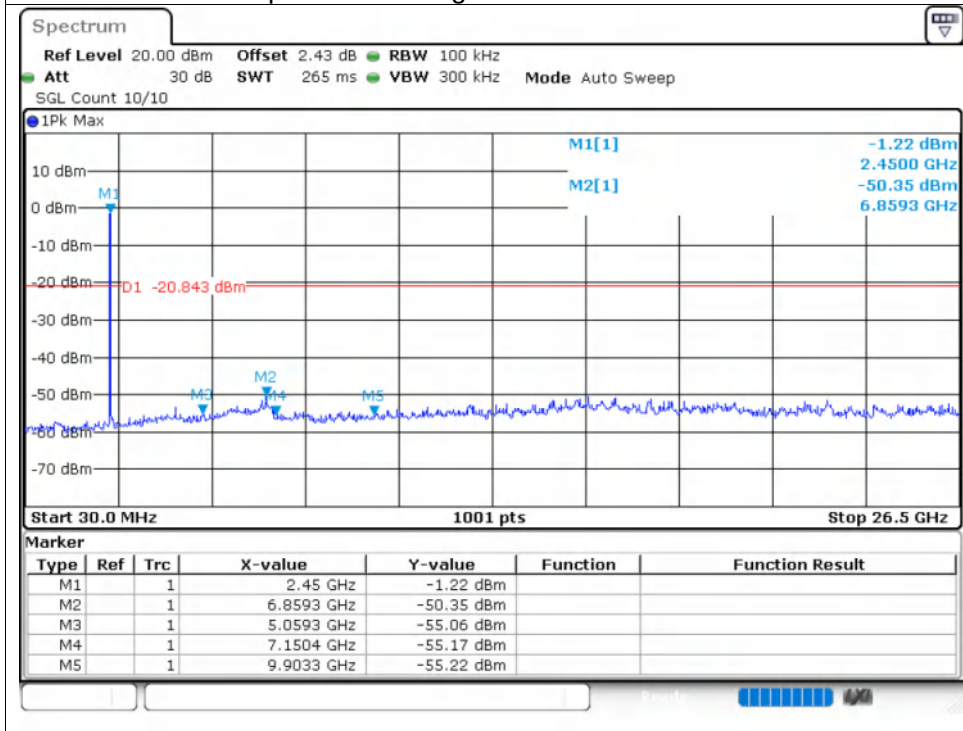
Tx. Spurious NVNT g 2412MHz Ant2 Emission



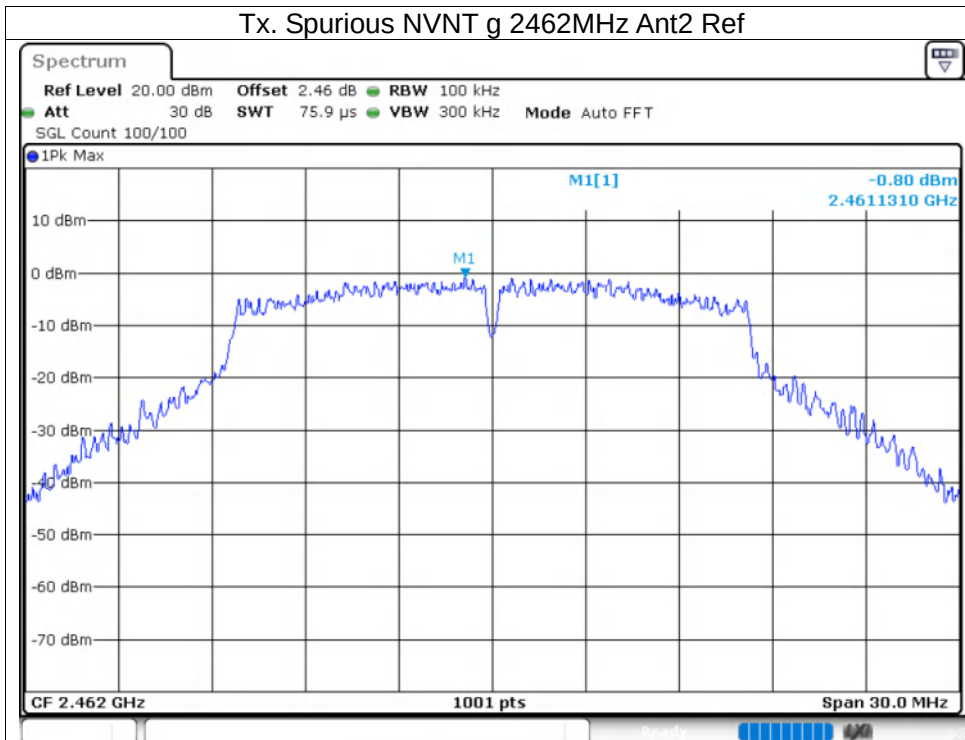
Tx. Spurious NVNT g 2437MHz Ant2 Ref



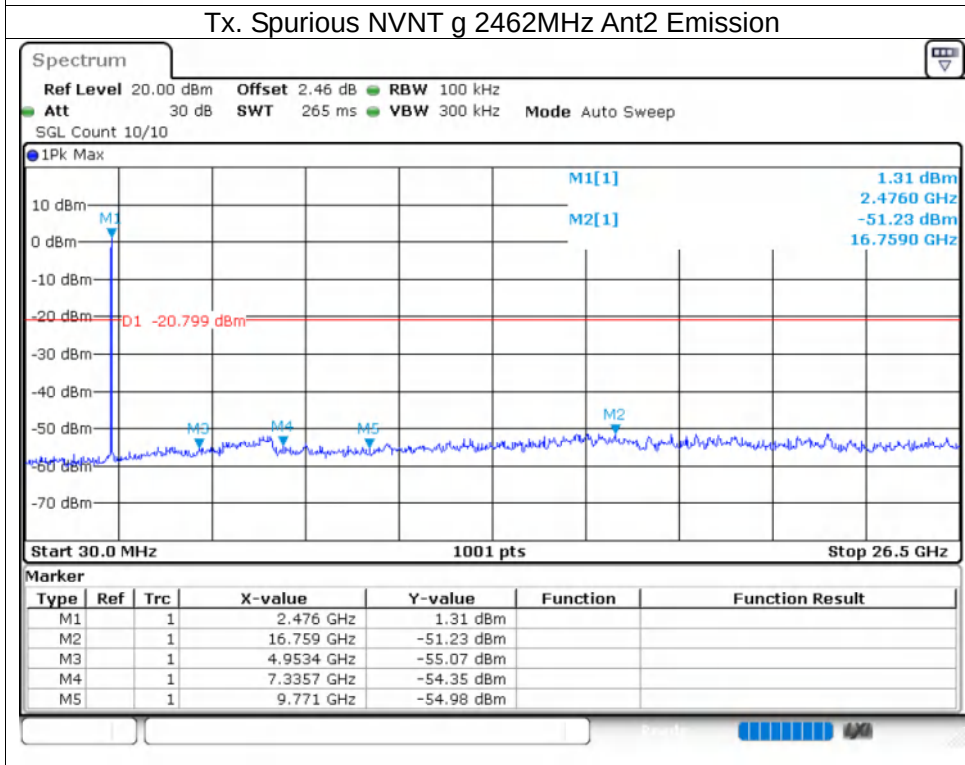
Tx. Spurious NVNT g 2437MHz Ant2 Emission



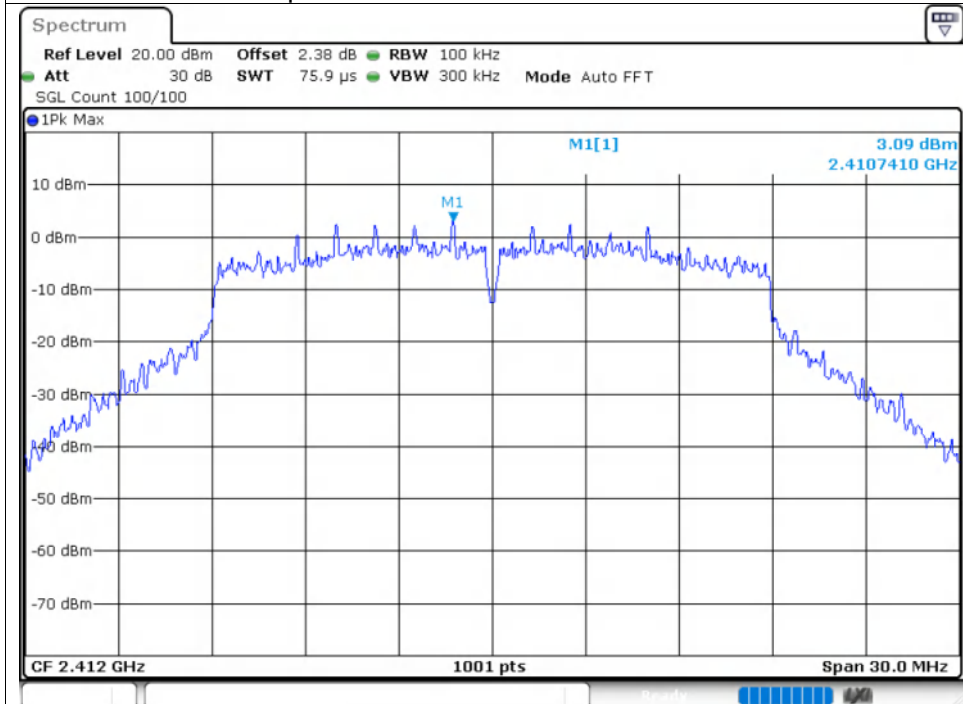
Tx. Spurious NVNT g 2462MHz Ant2 Ref



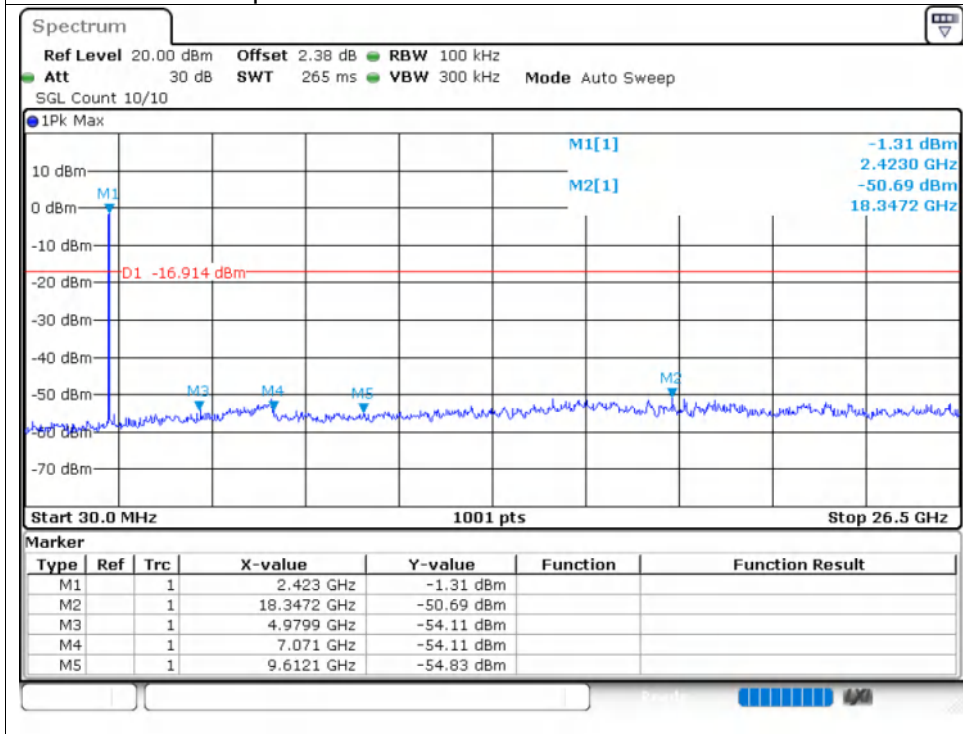
Tx. Spurious NVNT g 2462MHz Ant2 Emission



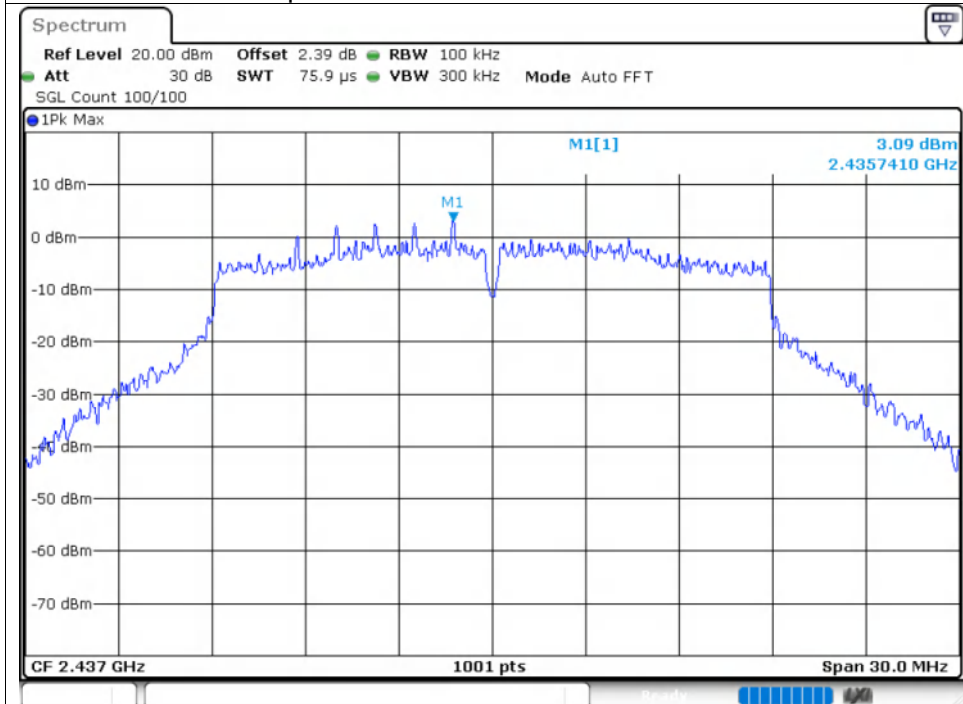
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



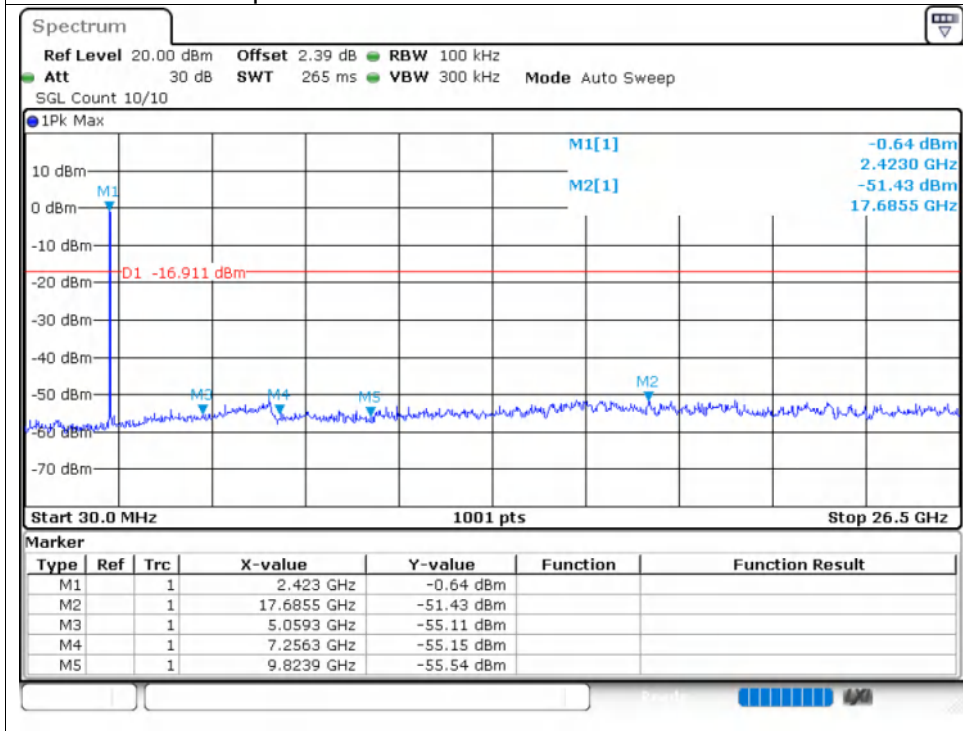
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



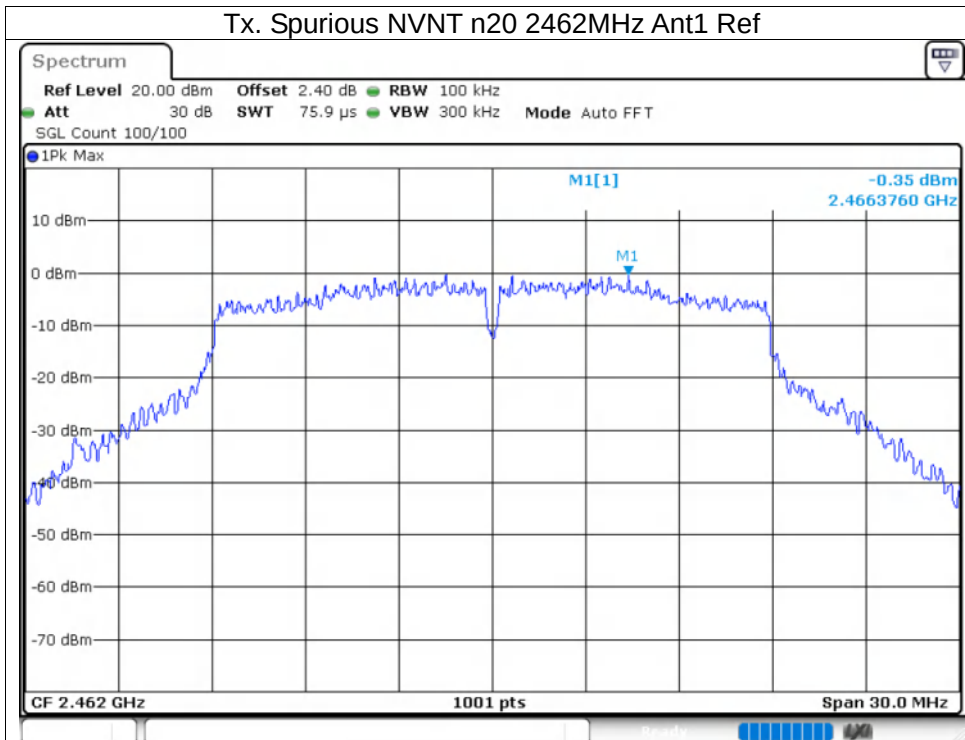
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



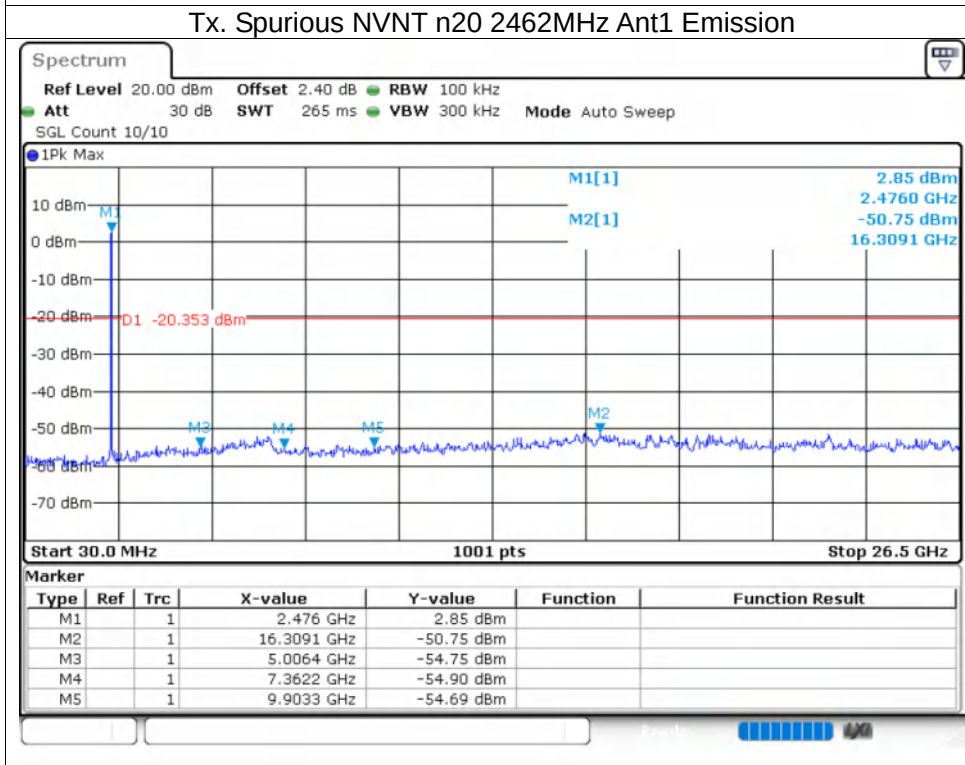
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



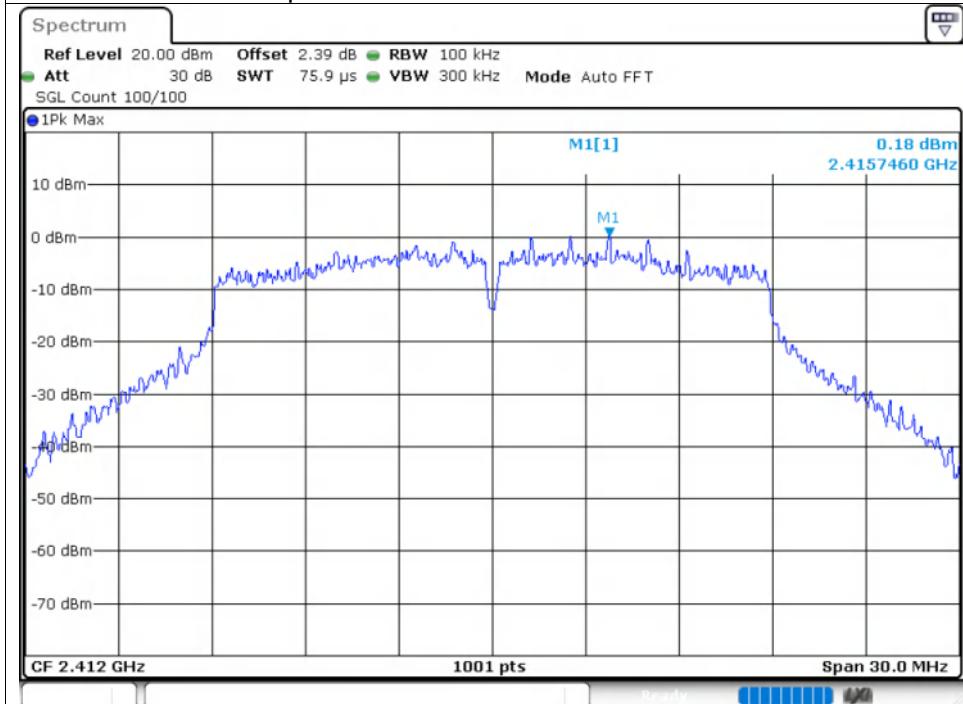
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



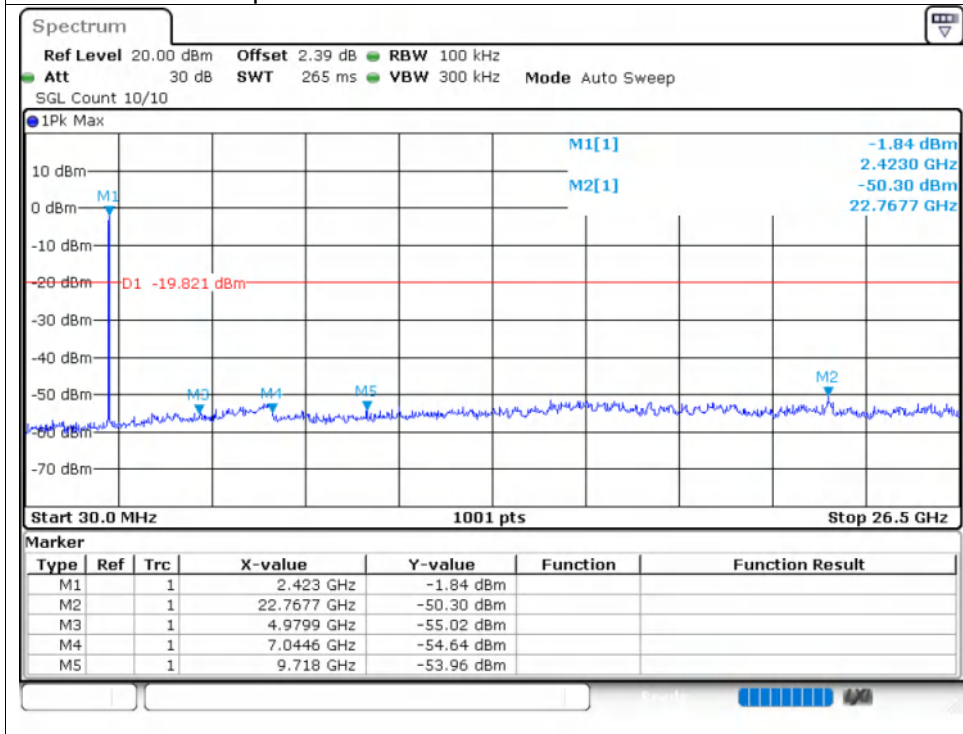
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



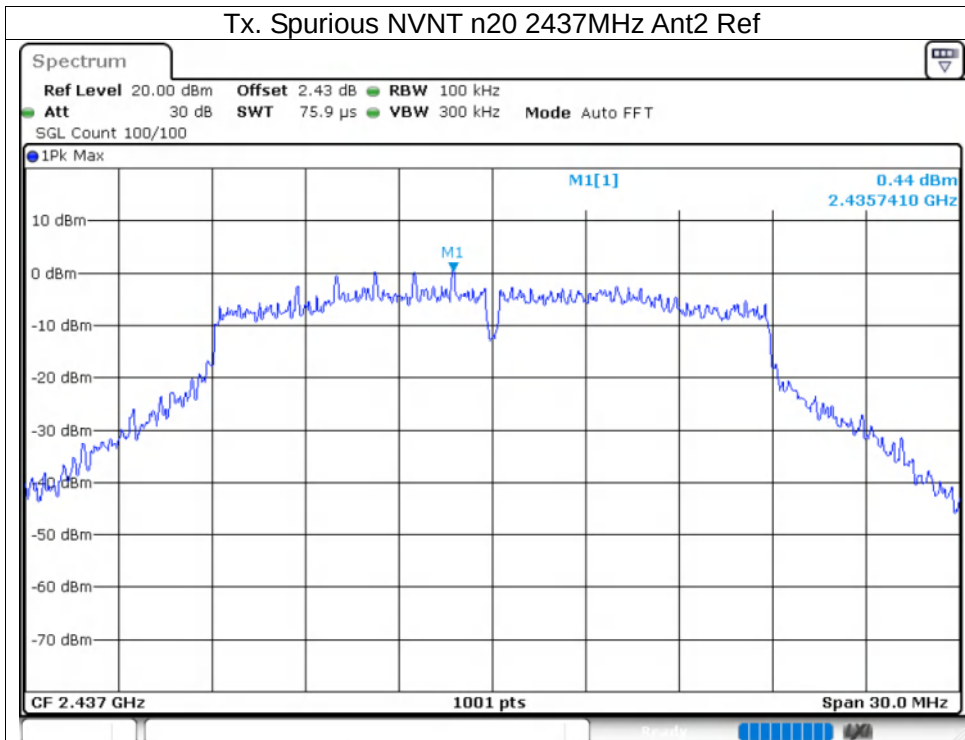
Tx. Spurious NVNT n20 2412MHz Ant2 Ref



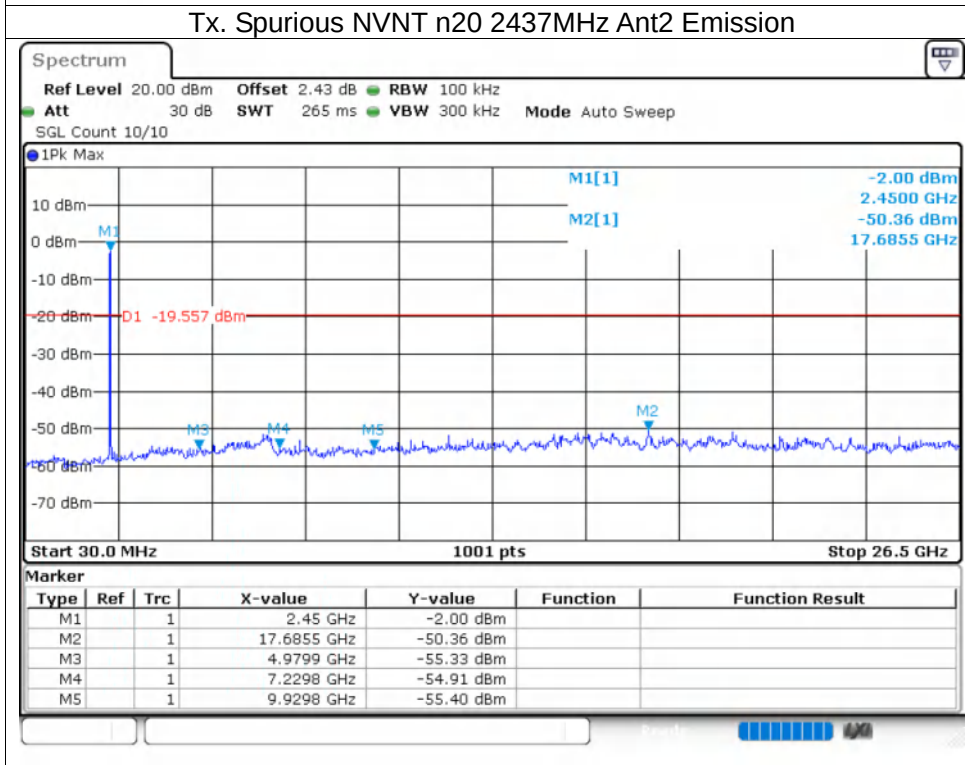
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



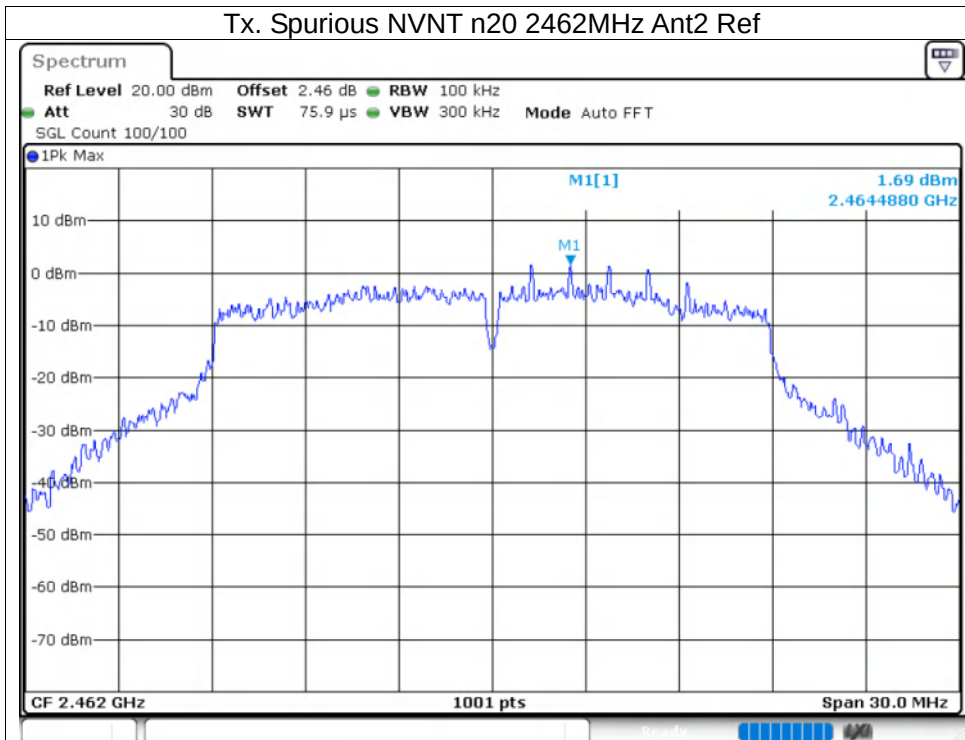
Tx. Spurious NVNT n20 2437MHz Ant2 Ref



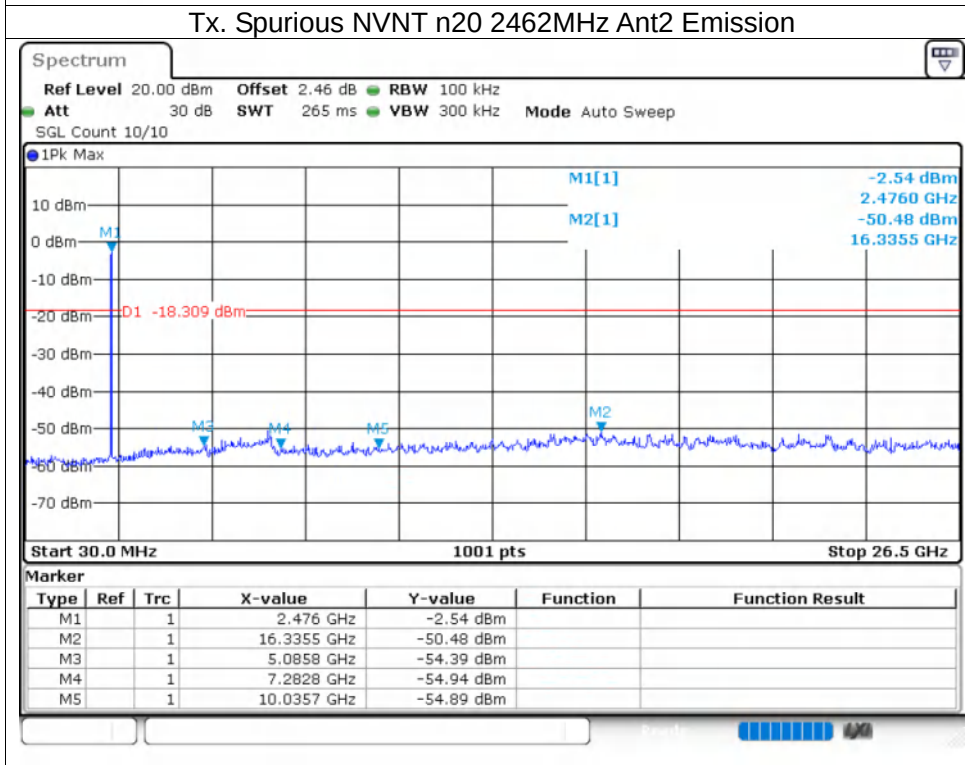
Tx. Spurious NVNT n20 2437MHz Ant2 Emission



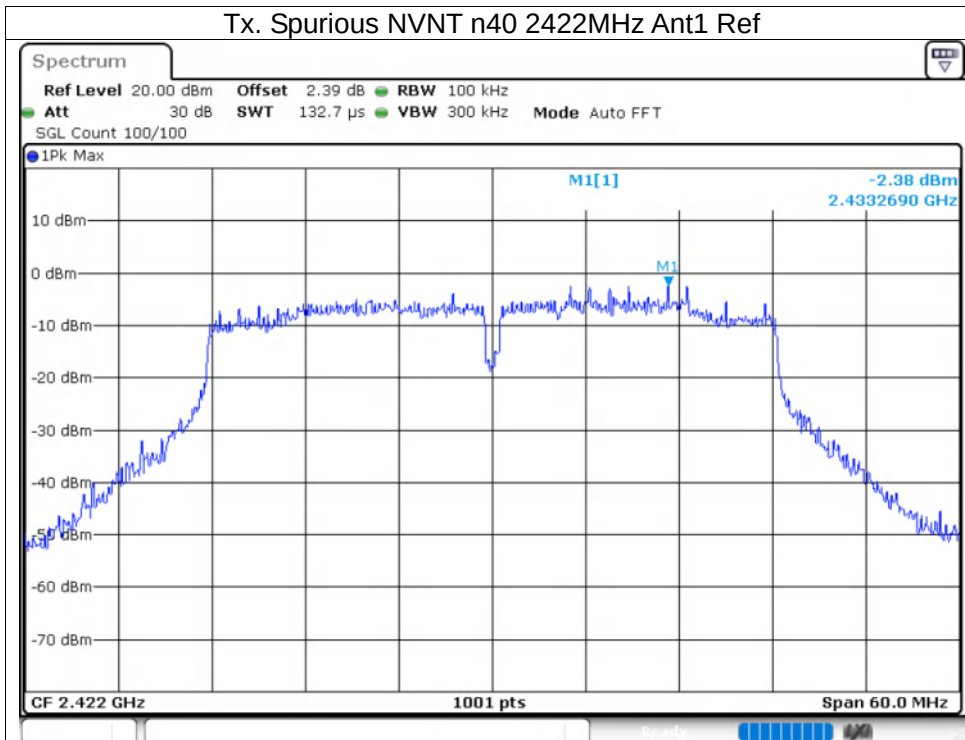
Tx. Spurious NVNT n20 2462MHz Ant2 Ref



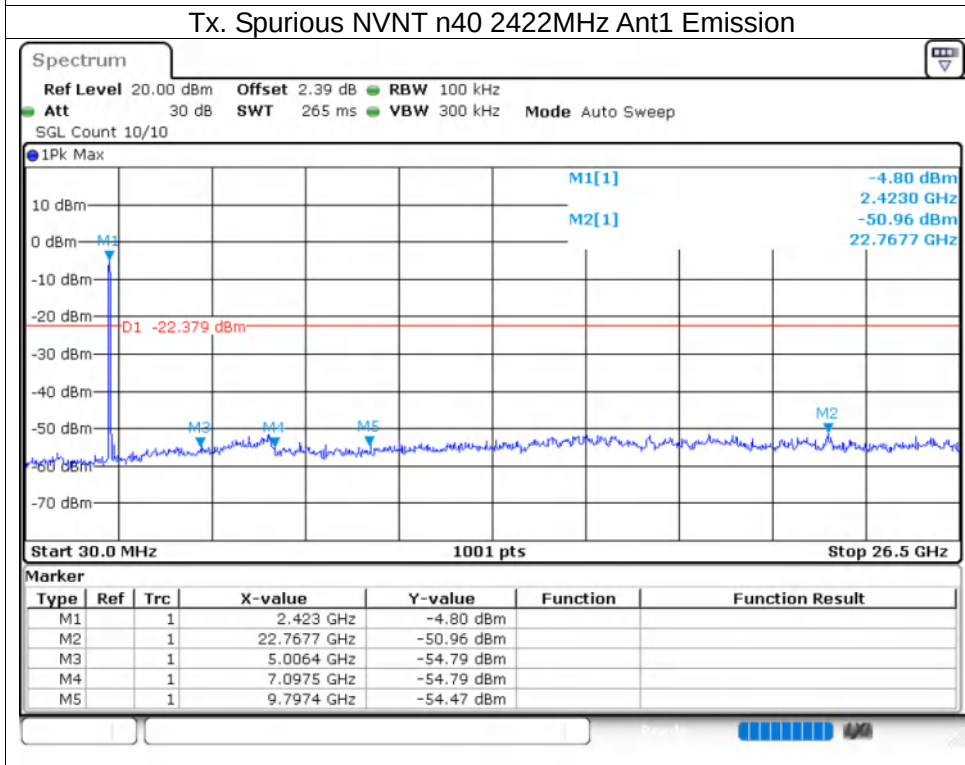
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



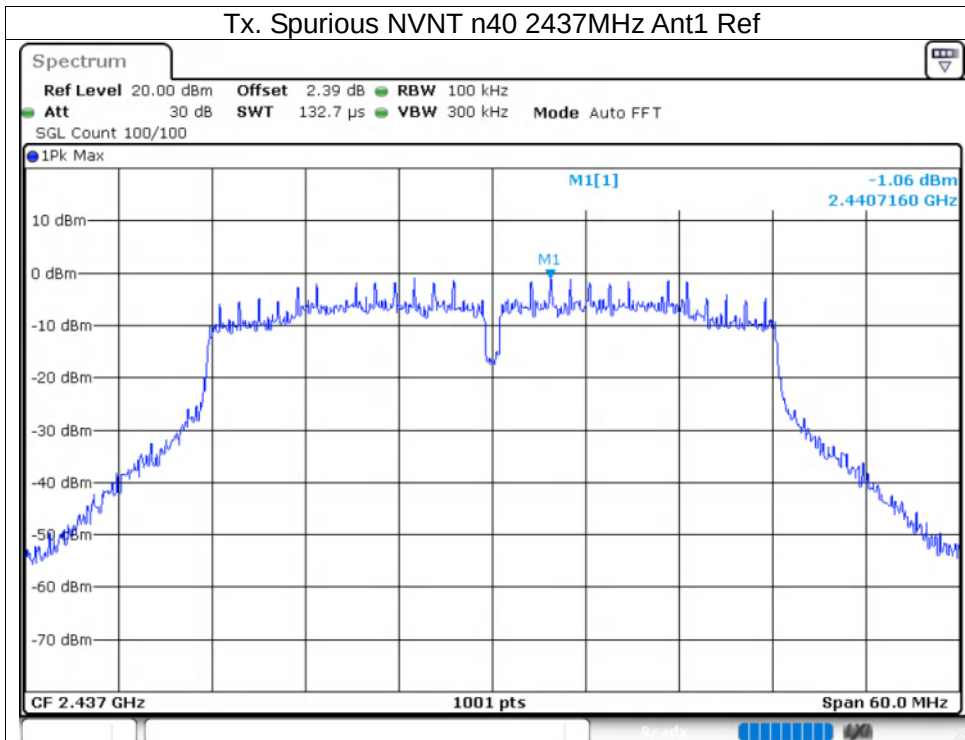
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



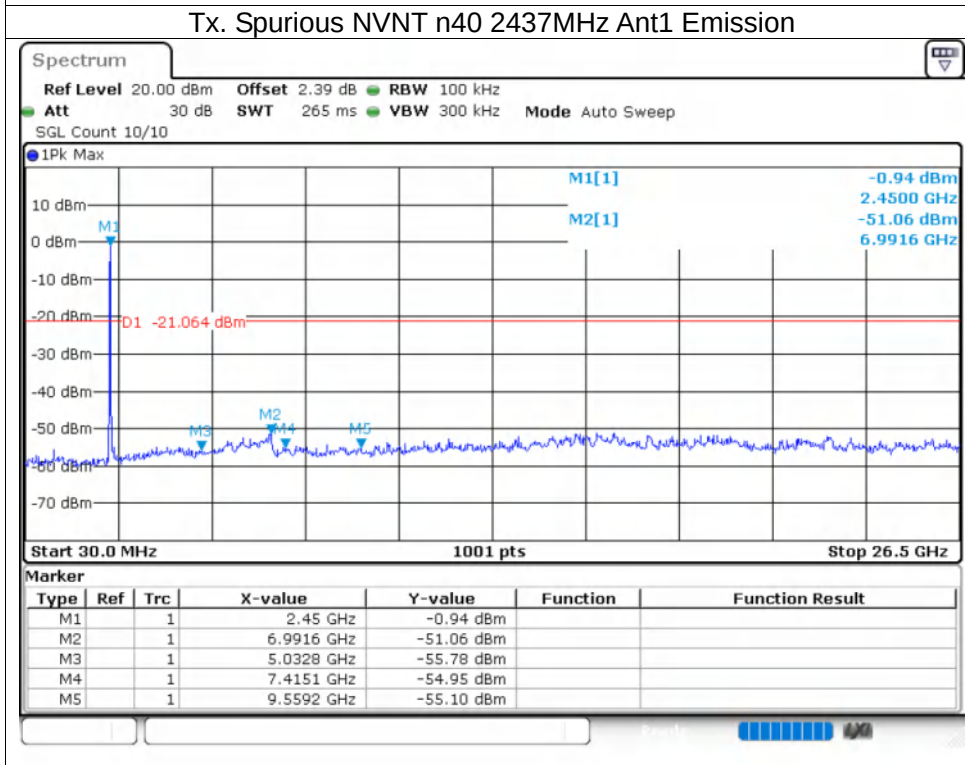
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



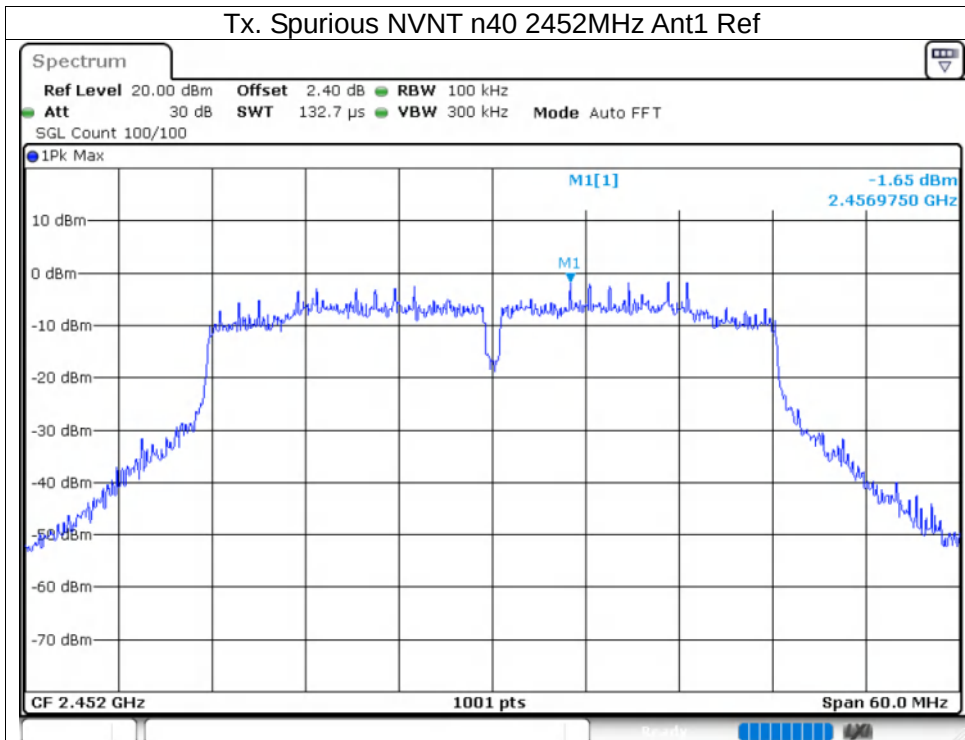
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



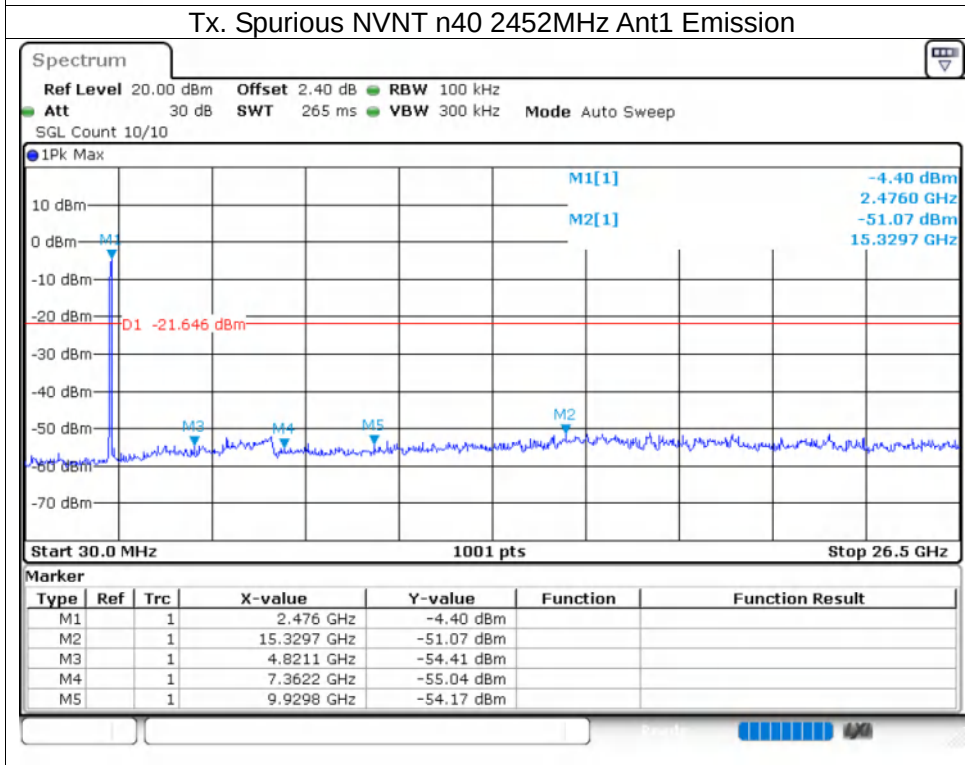
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



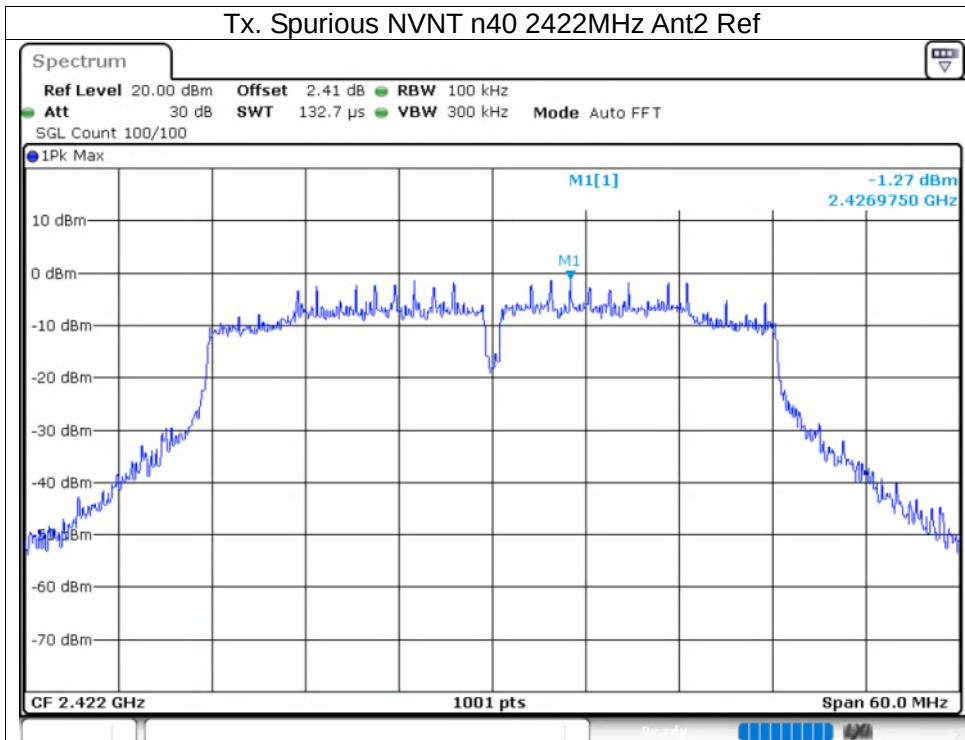
Tx. Spurious NVNT n40 2452MHz Ant1 Ref



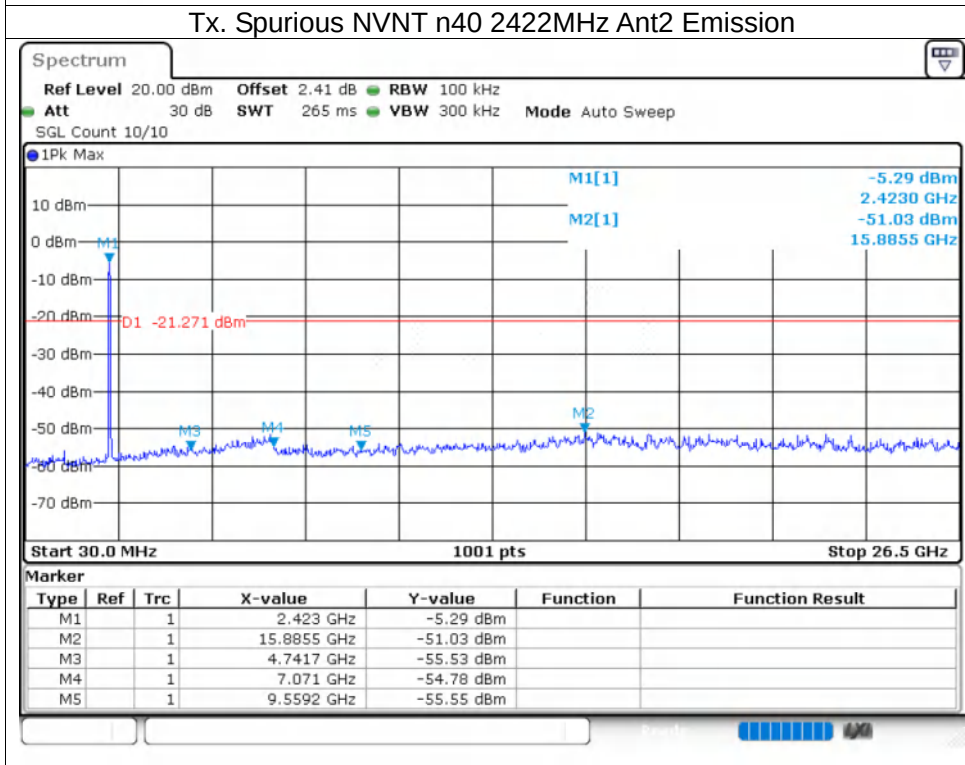
Tx. Spurious NVNT n40 2452MHz Ant1 Emission



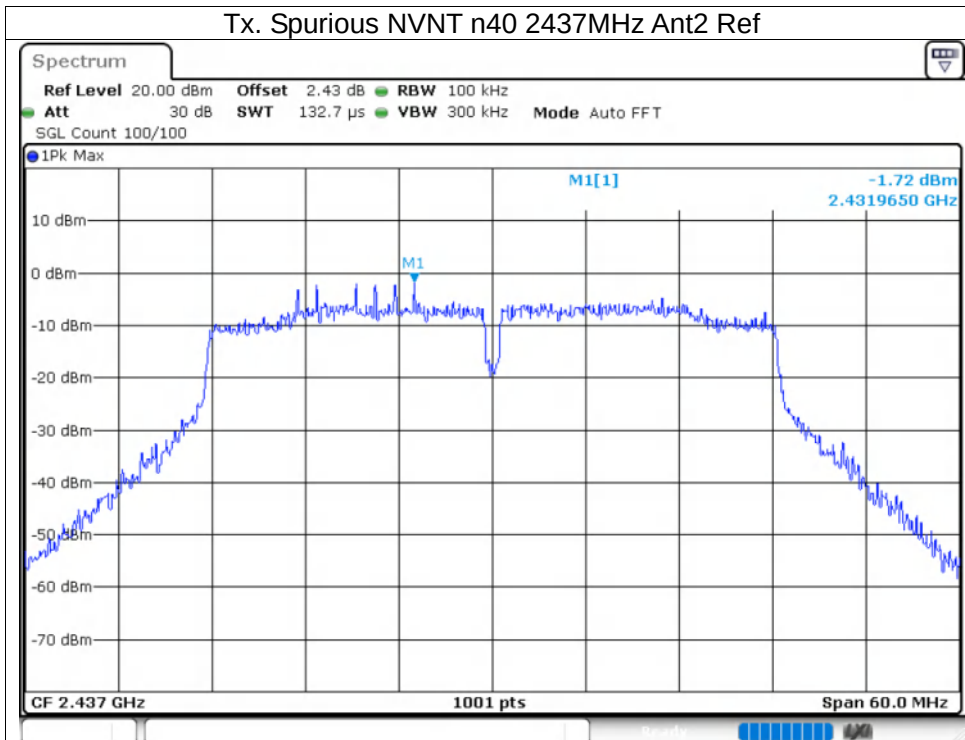
Tx. Spurious NVNT n40 2422MHz Ant2 Ref



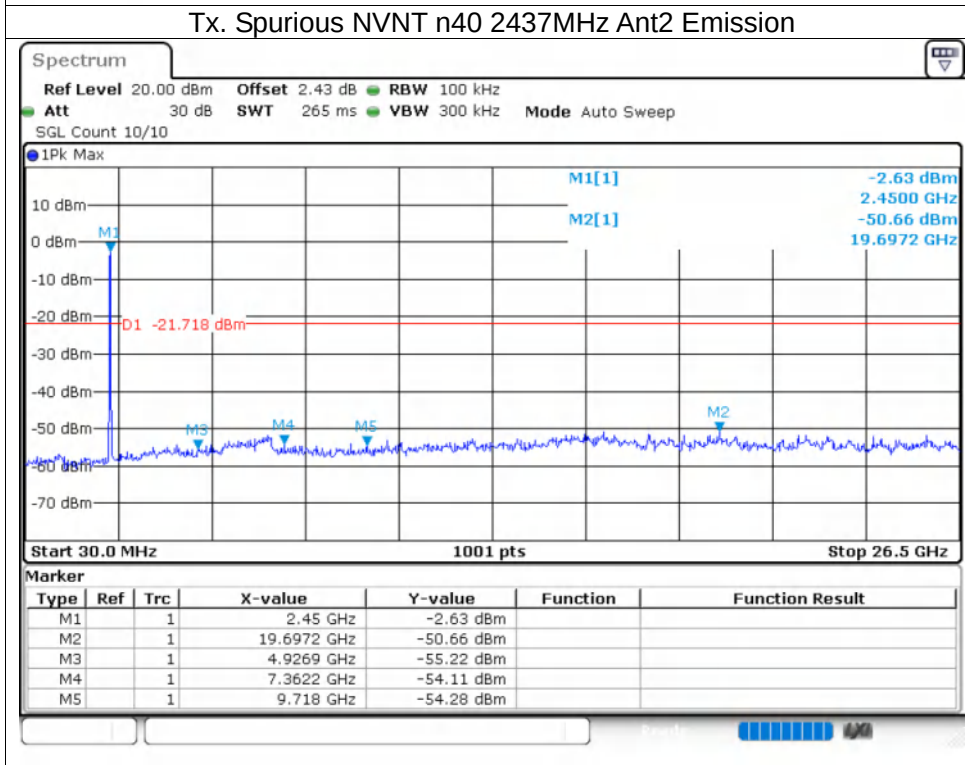
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



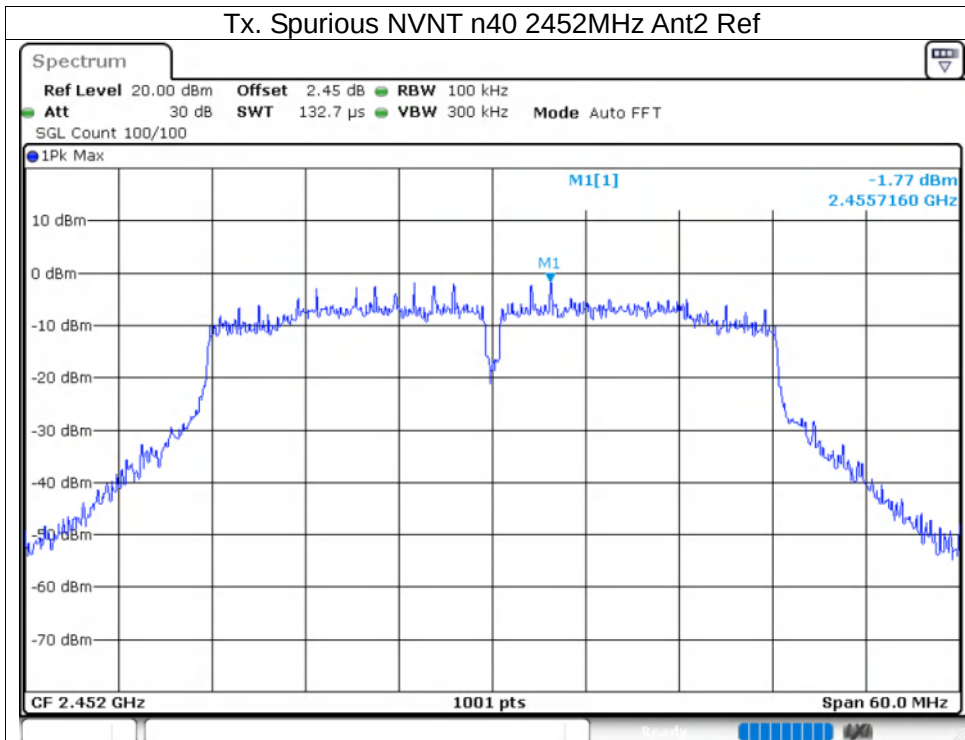
Tx. Spurious NVNT n40 2437MHz Ant2 Ref



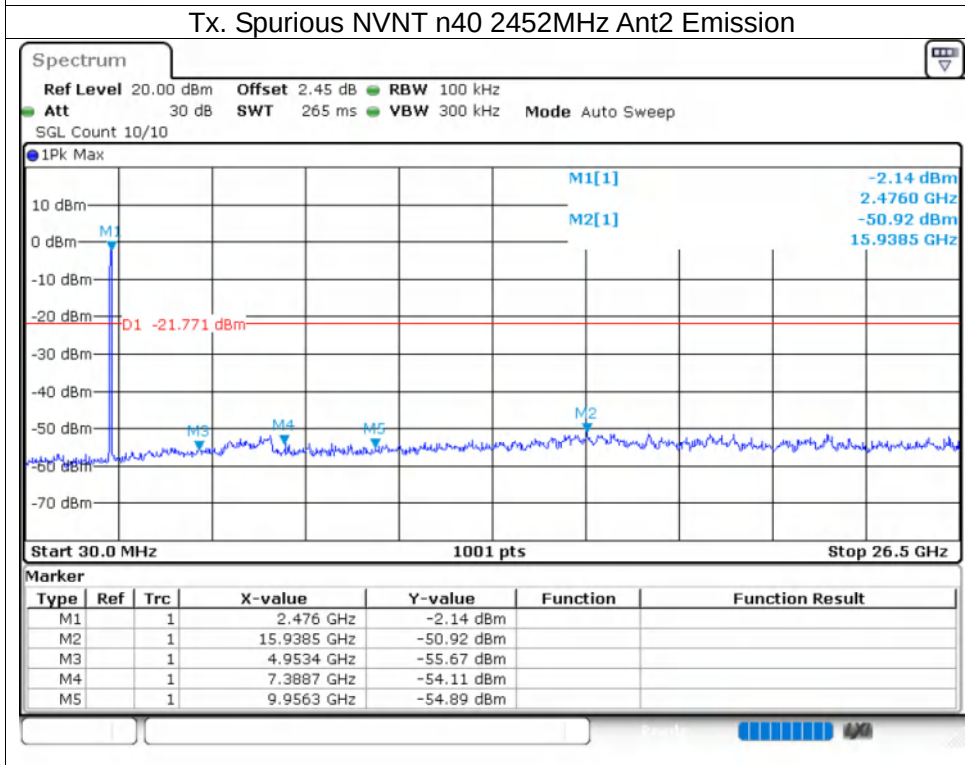
Tx. Spurious NVNT n40 2437MHz Ant2 Emission



Tx. Spurious NVNT n40 2452MHz Ant2 Ref



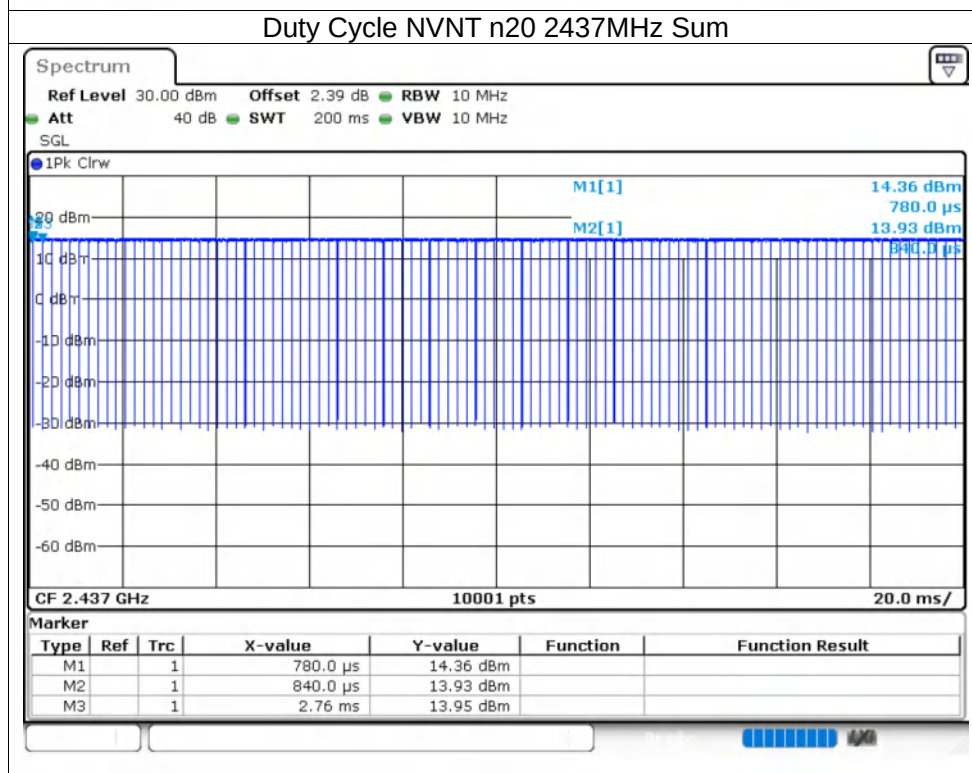
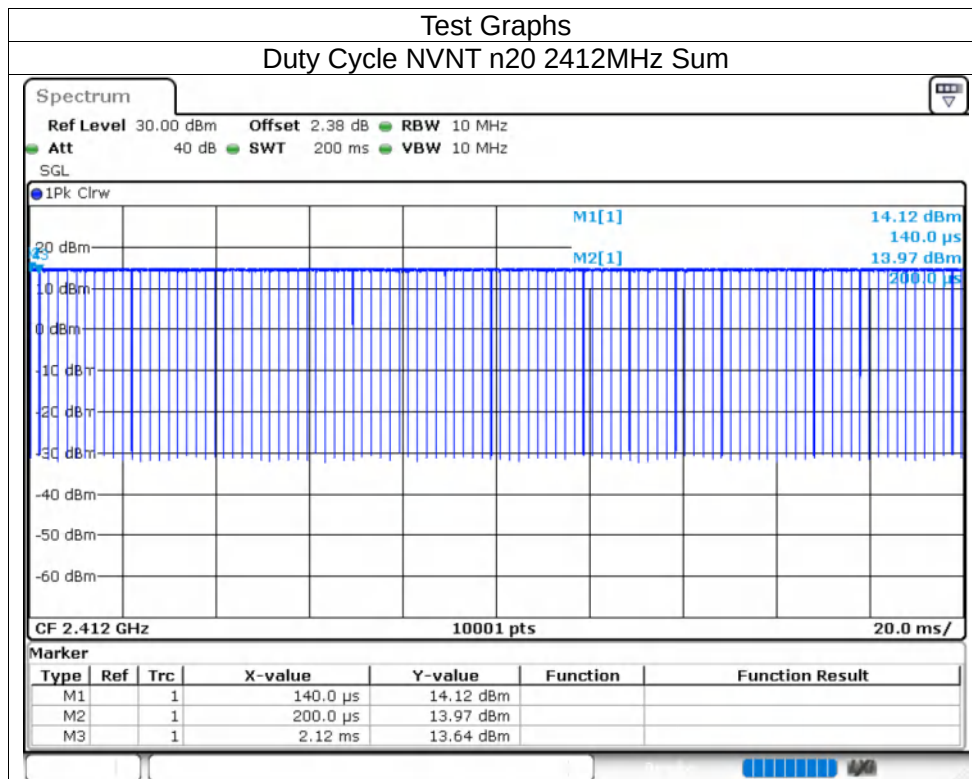
Tx. Spurious NVNT n40 2452MHz Ant2 Emission

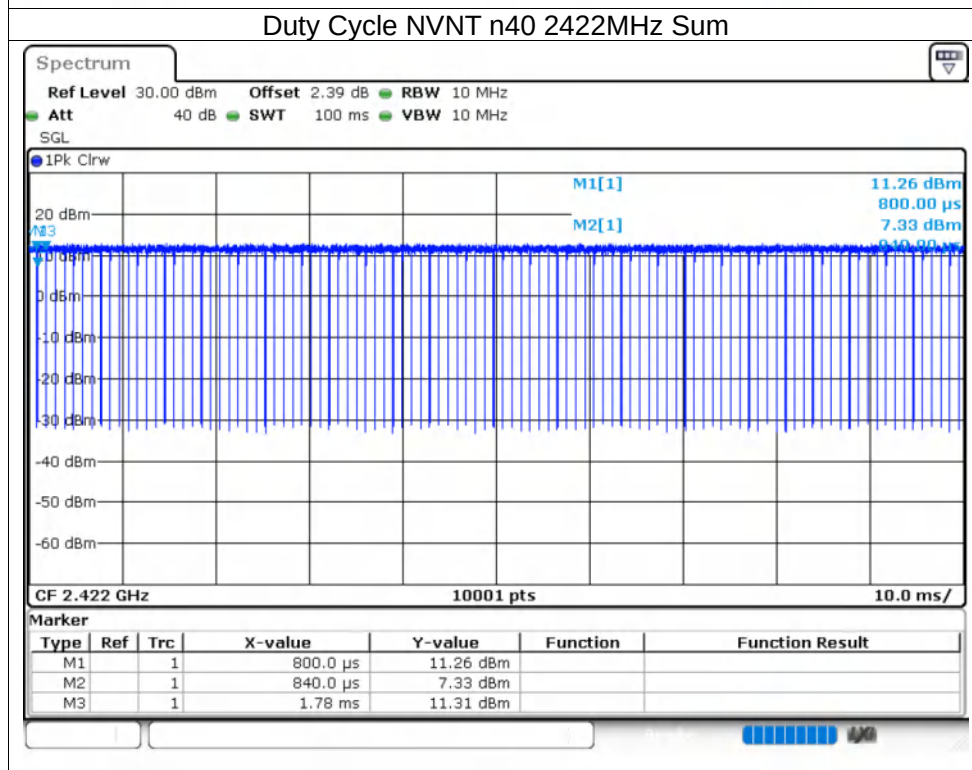
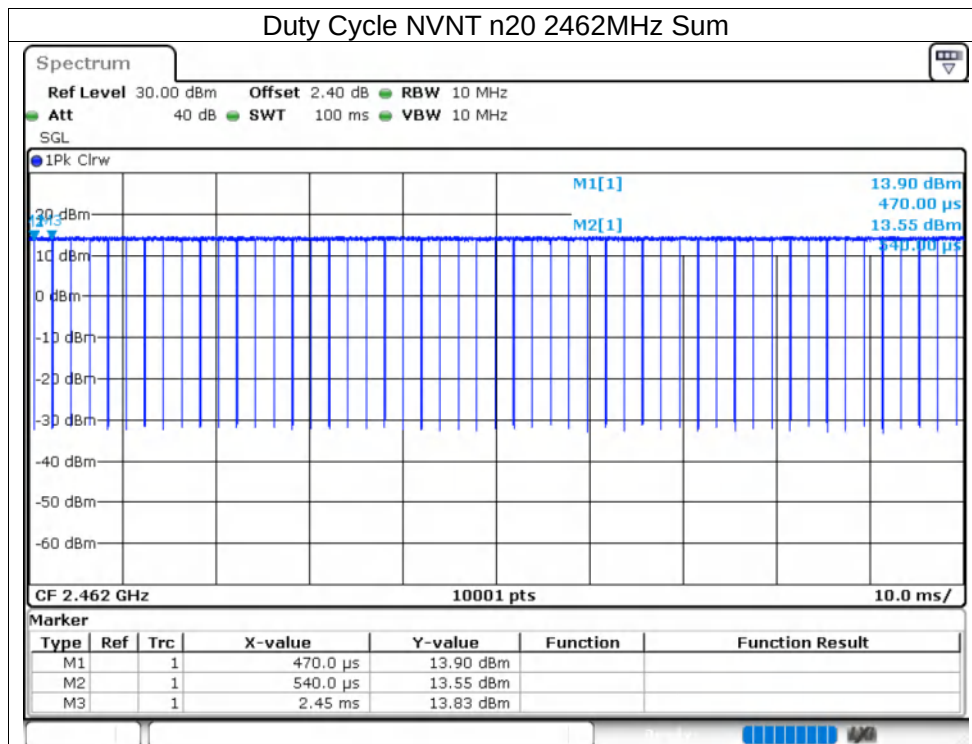


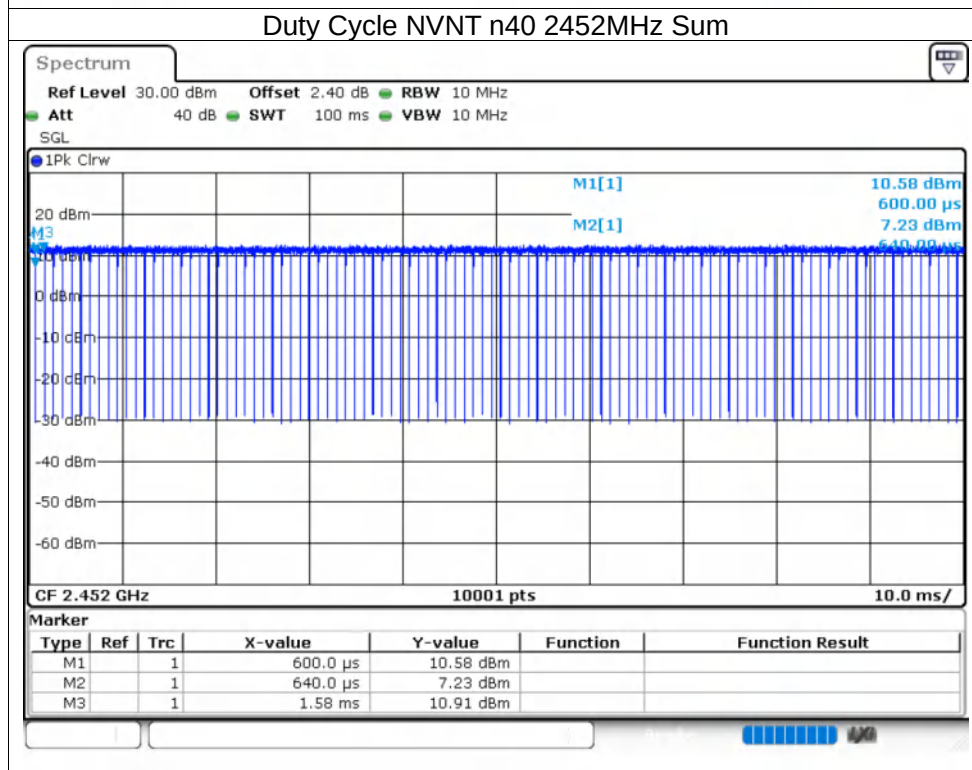
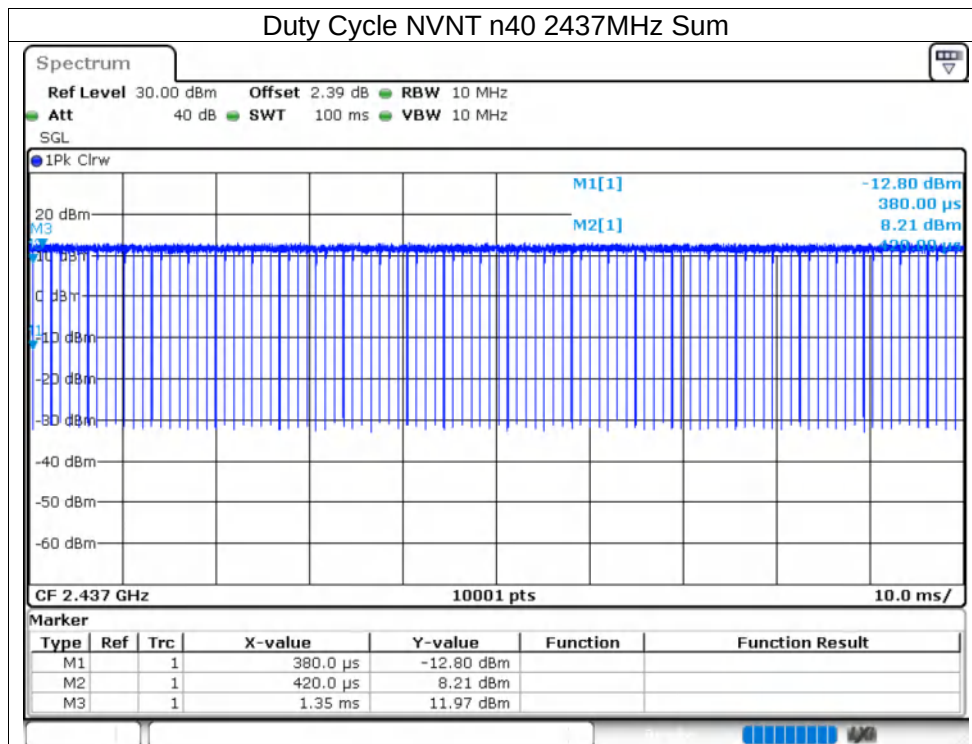
8.2 2.4G MIMO

8.2.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	n20	2412	Sum	97.7	0.1	0.52
NVNT	n20	2437	Sum	97.72	0.1	0.52
NVNT	n20	2462	Sum	97.17	0.12	0.52
NVNT	n40	2422	Sum	96.89	0.14	1.06
NVNT	n40	2437	Sum	96.86	0.14	1.08
NVNT	n40	2452	Sum	96.89	0.14	1.06







8.2.2 Maximum Conducted Output Power

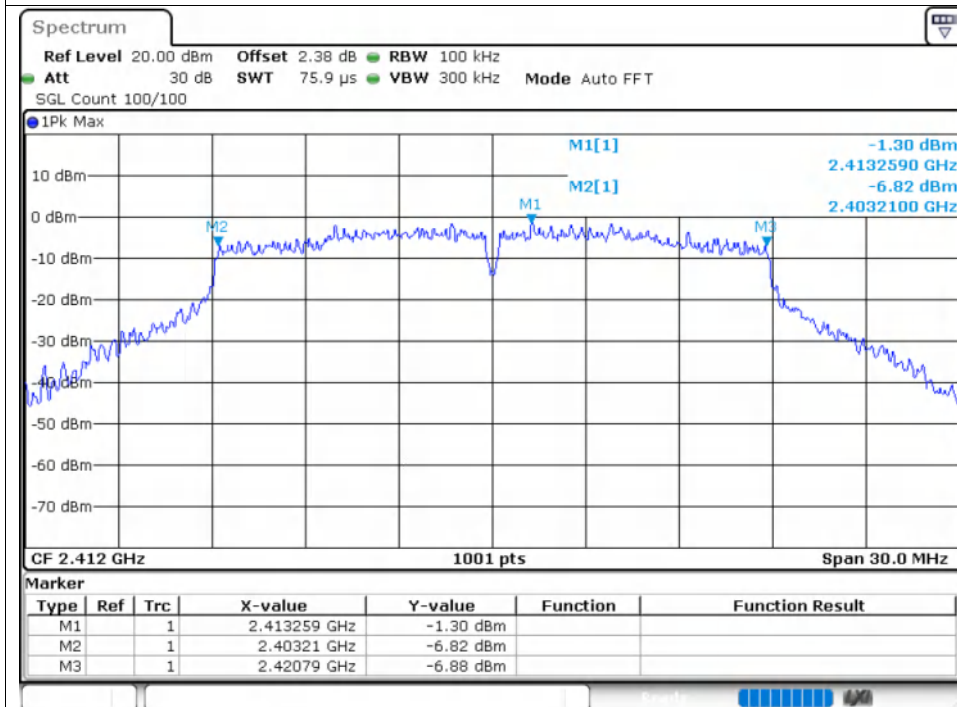
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	n20	2412	Ant1	12.13	29.97	Pass
NVNT	n20	2412	Ant2	12.27	29.97	Pass
NVNT	n20	2412	Sum	15.21	29.97	Pass
NVNT	n20	2437	Ant1	12.03	29.97	Pass
NVNT	n20	2437	Ant2	12.23	29.97	Pass
NVNT	n20	2437	Sum	15.14	29.97	Pass
NVNT	n20	2462	Ant1	11.76	29.97	Pass
NVNT	n20	2462	Ant2	12.09	29.97	Pass
NVNT	n20	2462	Sum	14.94	29.97	Pass
NVNT	n40	2422	Ant1	11.84	29.97	Pass
NVNT	n40	2422	Ant2	11.87	29.97	Pass
NVNT	n40	2422	Sum	14.87	29.97	Pass
NVNT	n40	2437	Ant1	11.74	29.97	Pass
NVNT	n40	2437	Ant2	11.83	29.97	Pass
NVNT	n40	2437	Sum	14.8	29.97	Pass
NVNT	n40	2452	Ant1	11.65	29.97	Pass
NVNT	n40	2452	Ant2	11.7	29.97	Pass
NVNT	n40	2452	Sum	14.69	29.97	Pass

8.2.3 -6dB Bandwidth

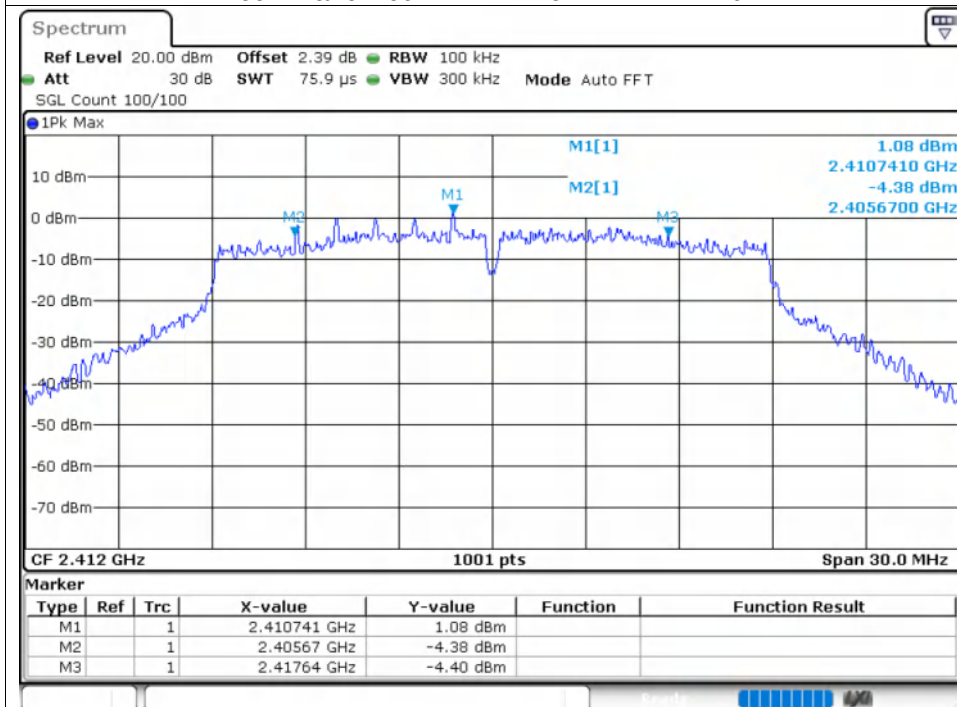
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	n20	2412	Ant1	17.58	0.5	Pass
NVNT	n20	2412	Ant2	11.97	0.5	Pass
NVNT	n20	2437	Ant1	17.145	0.5	Pass
NVNT	n20	2437	Ant2	12.63	0.5	Pass
NVNT	n20	2462	Ant1	17.577	0.5	Pass
NVNT	n20	2462	Ant2	17.58	0.5	Pass
NVNT	n40	2422	Ant1	36.318	0.5	Pass
NVNT	n40	2422	Ant2	35.694	0.5	Pass
NVNT	n40	2437	Ant1	33.162	0.5	Pass
NVNT	n40	2437	Ant2	36.288	0.5	Pass
NVNT	n40	2452	Ant1	36.306	0.5	Pass
NVNT	n40	2452	Ant2	36.3	0.5	Pass

Test Graphs

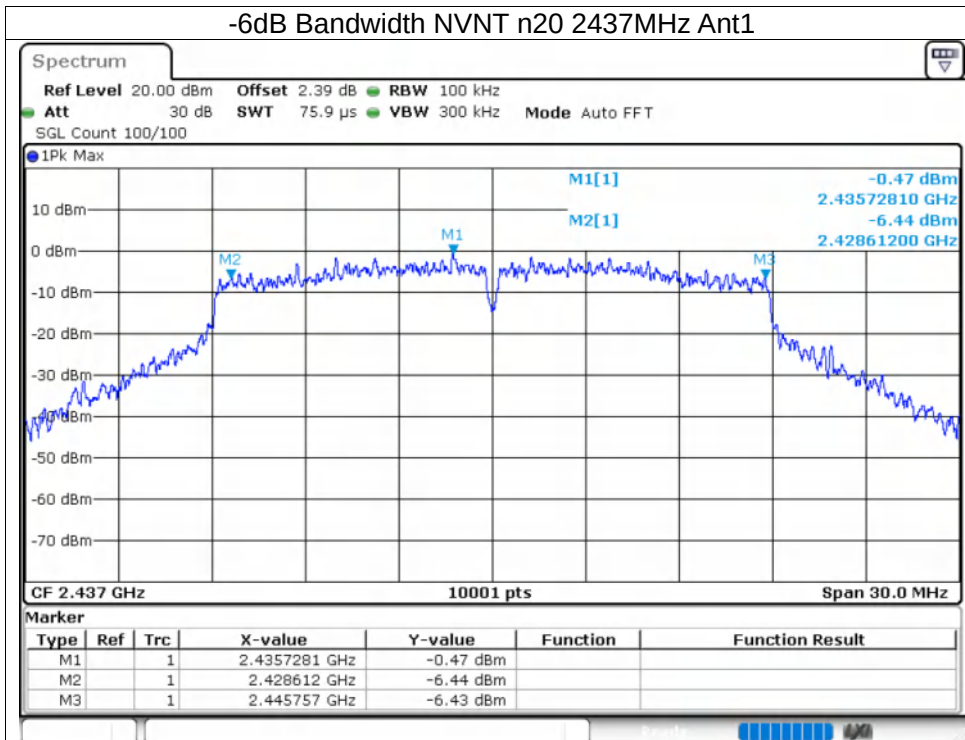
-6dB Bandwidth NVNT n20 2412MHz Ant1



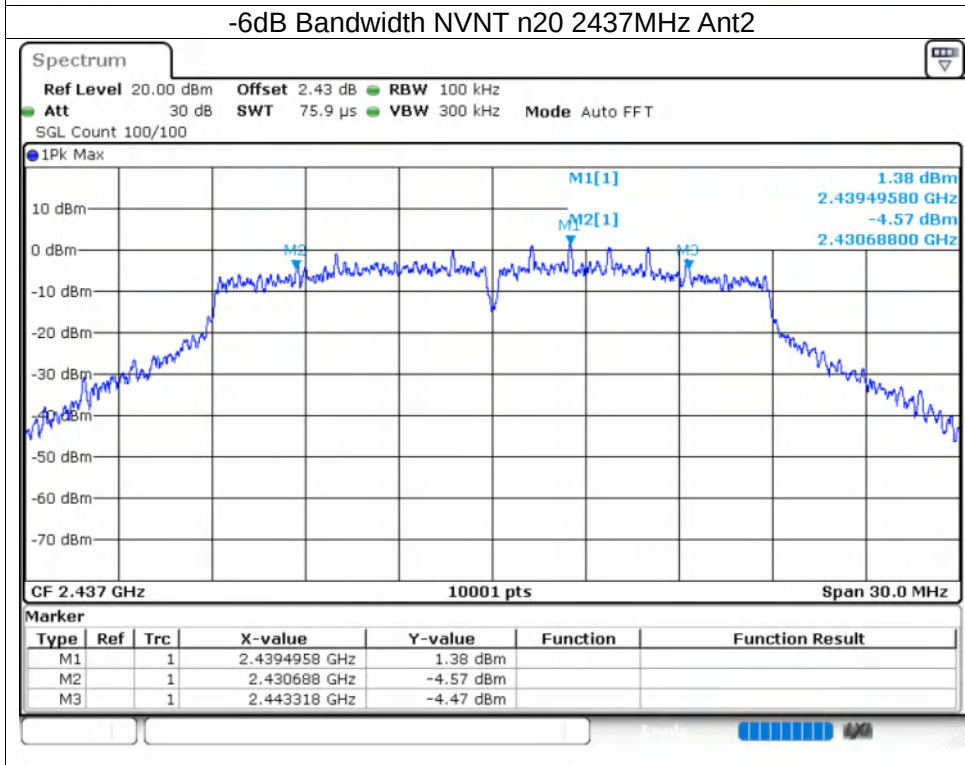
-6dB Bandwidth NVNT n20 2412MHz Ant2



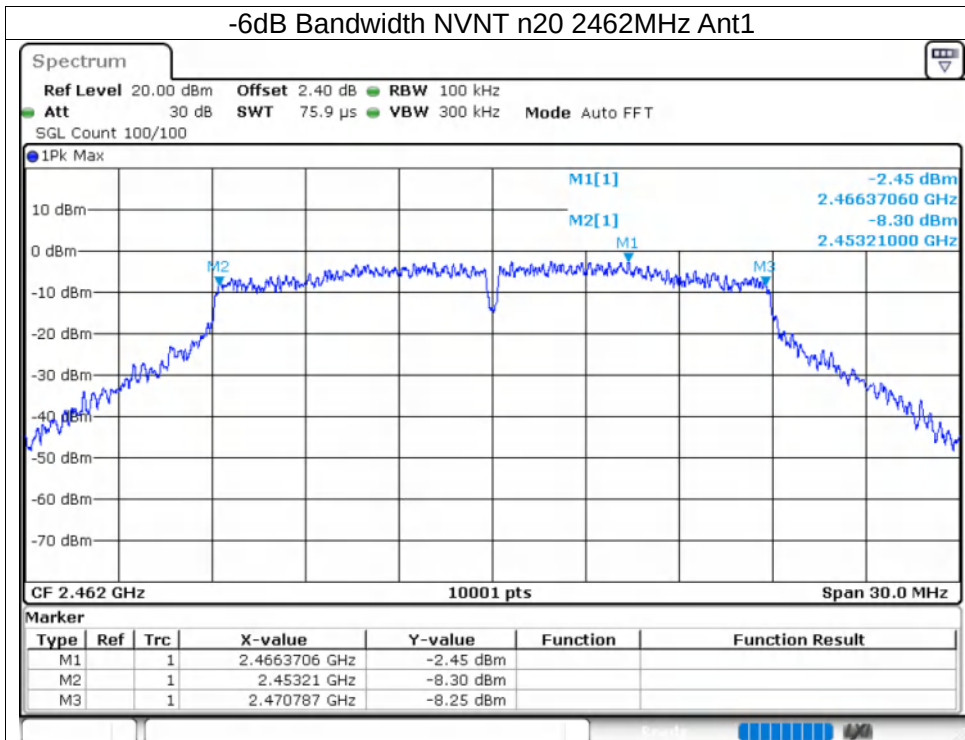
-6dB Bandwidth NVNT n20 2437MHz Ant1



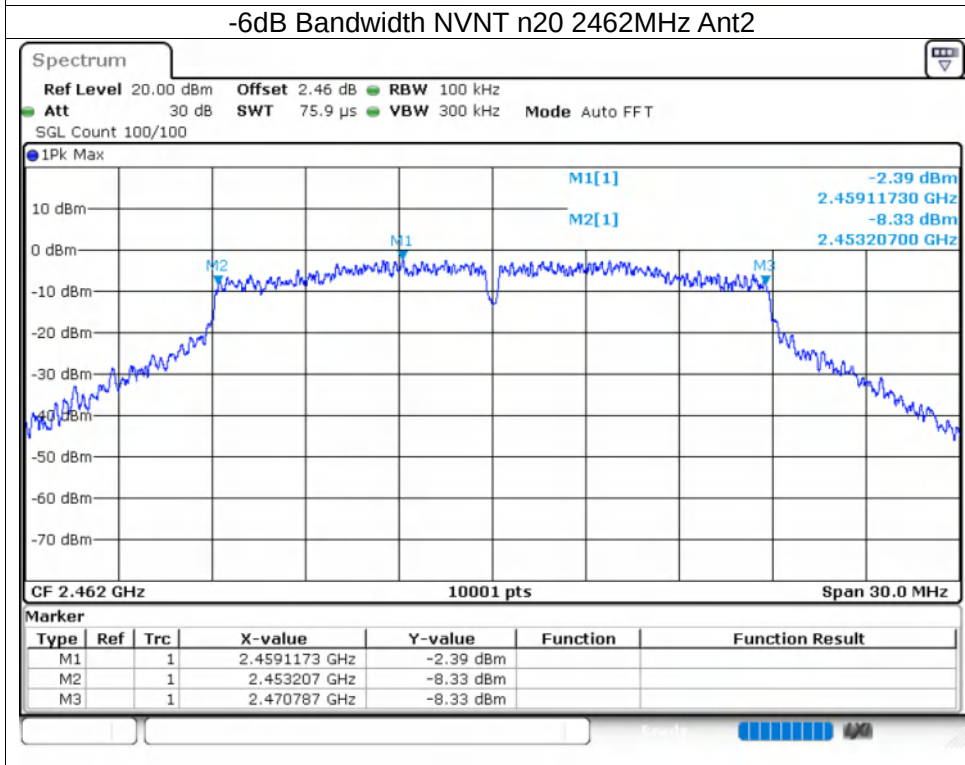
-6dB Bandwidth NVNT n20 2437MHz Ant2



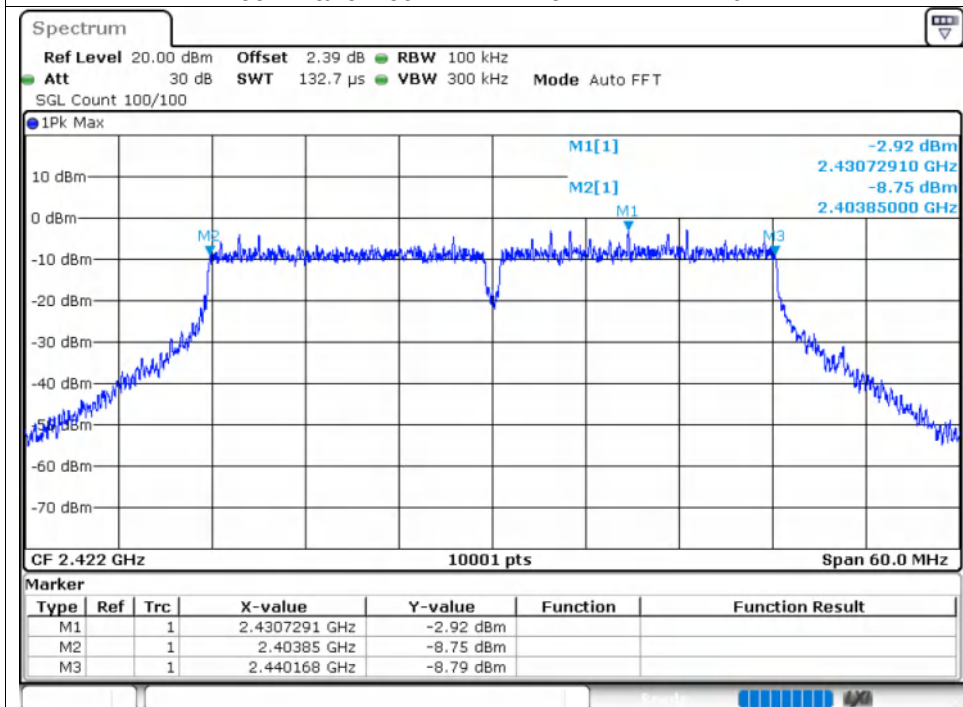
-6dB Bandwidth NVNT n20 2462MHz Ant1



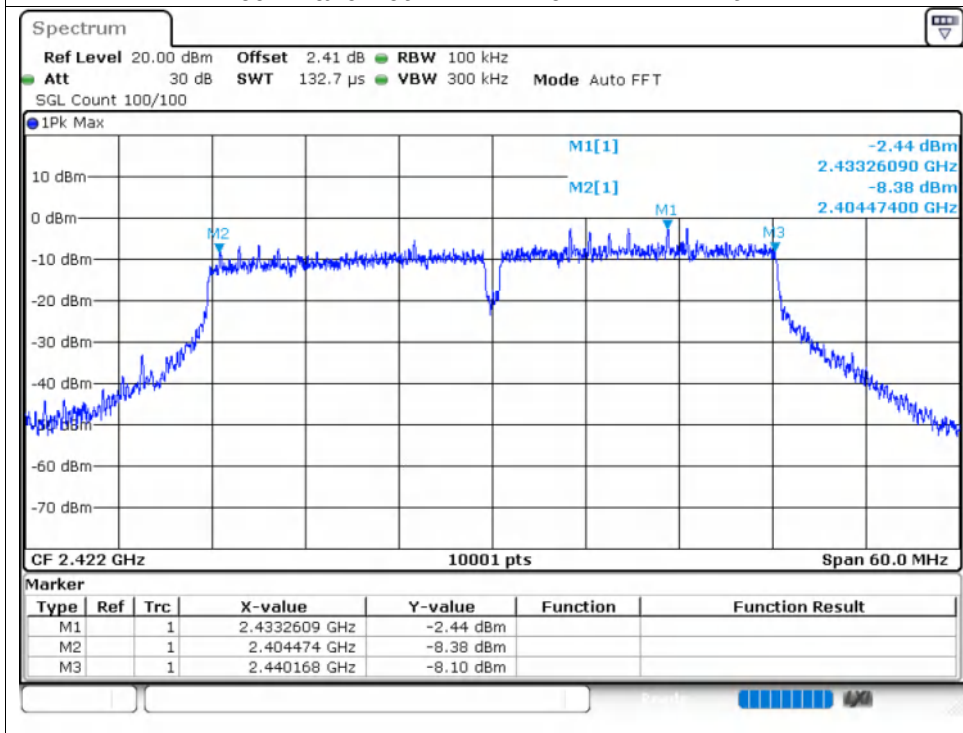
-6dB Bandwidth NVNT n20 2462MHz Ant2



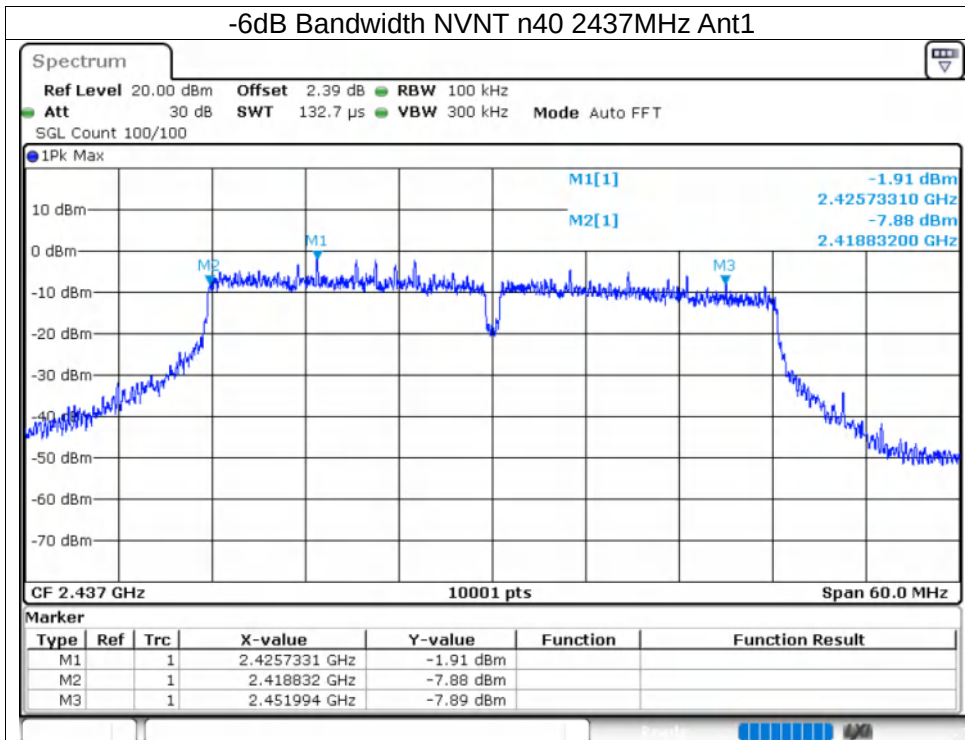
-6dB Bandwidth NVNT n40 2422MHz Ant1



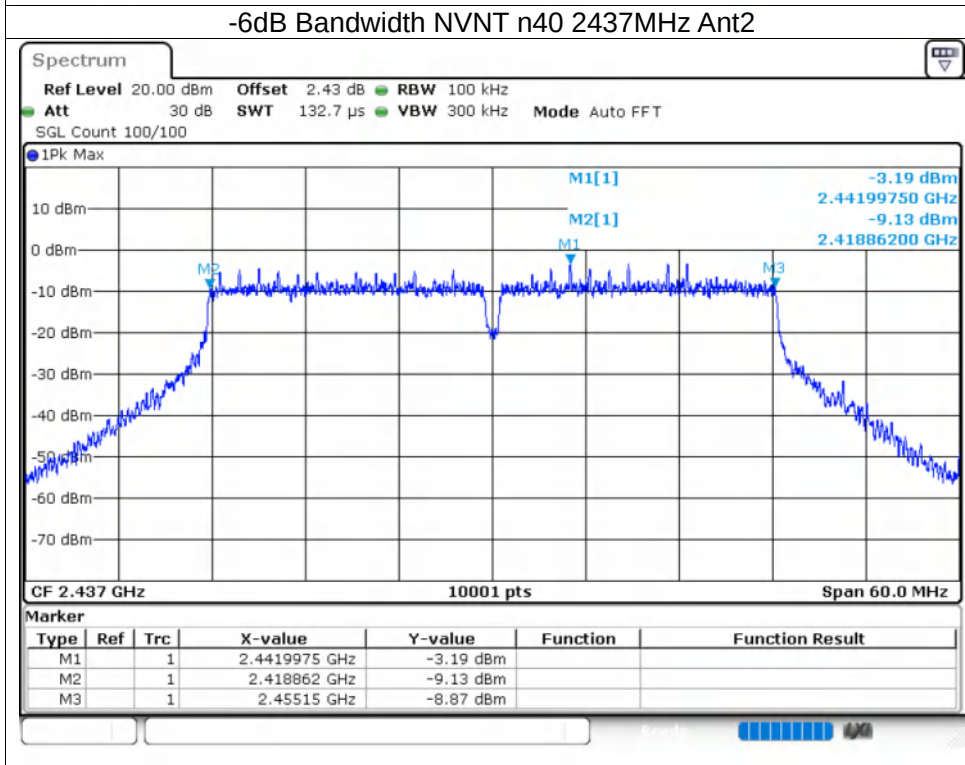
-6dB Bandwidth NVNT n40 2422MHz Ant2



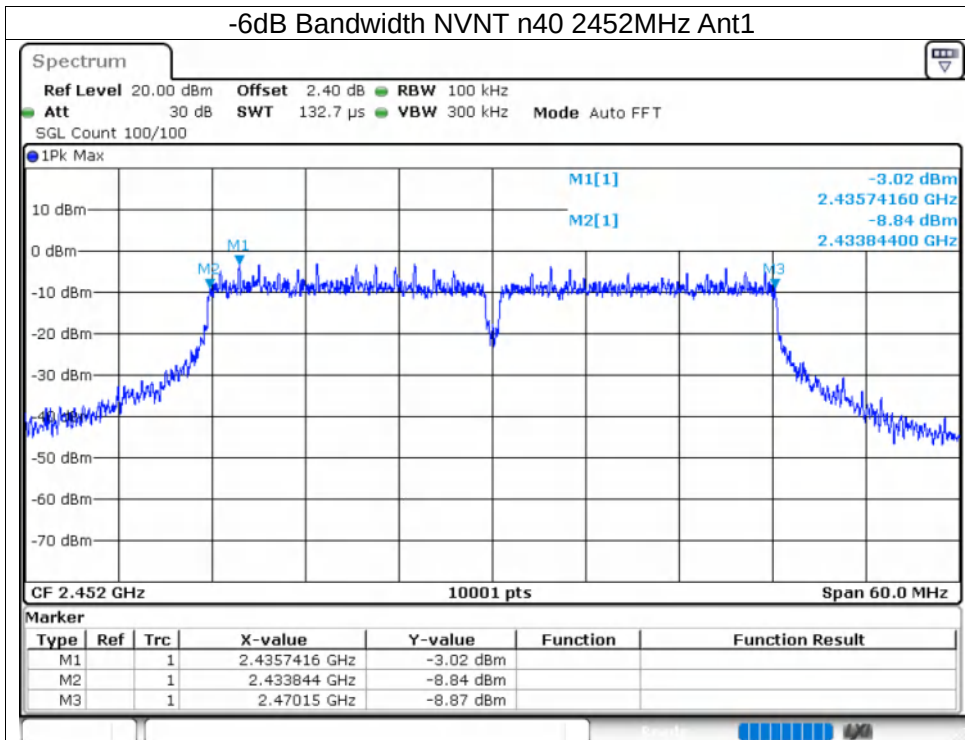
-6dB Bandwidth NVNT n40 2437MHz Ant1



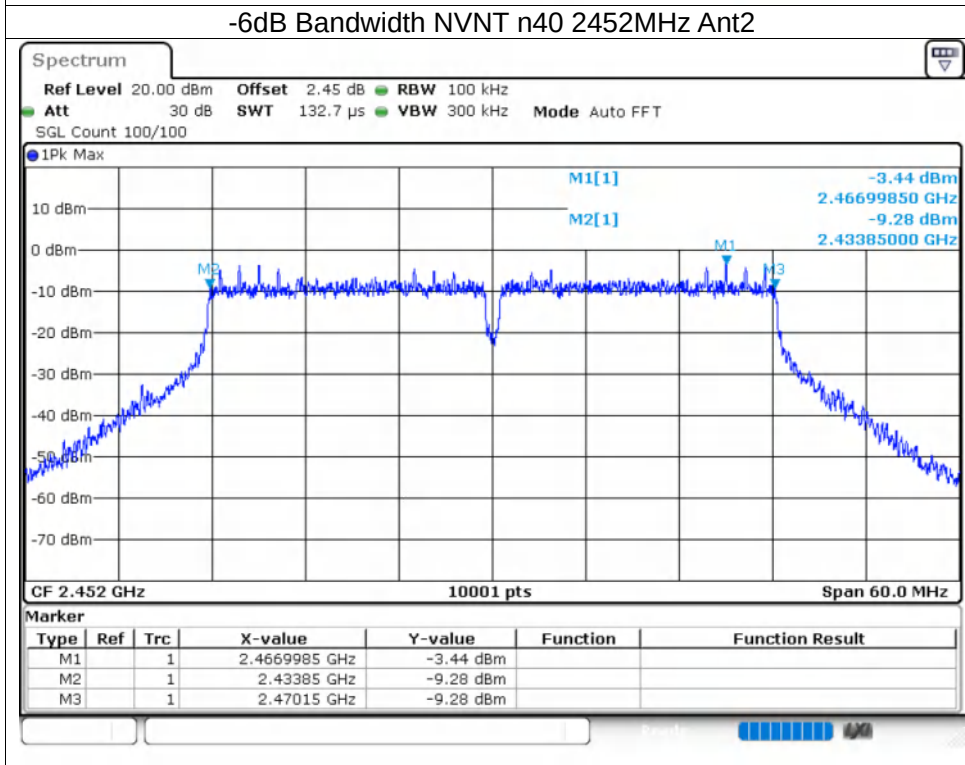
-6dB Bandwidth NVNT n40 2437MHz Ant2



-6dB Bandwidth NVNT n40 2452MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant2

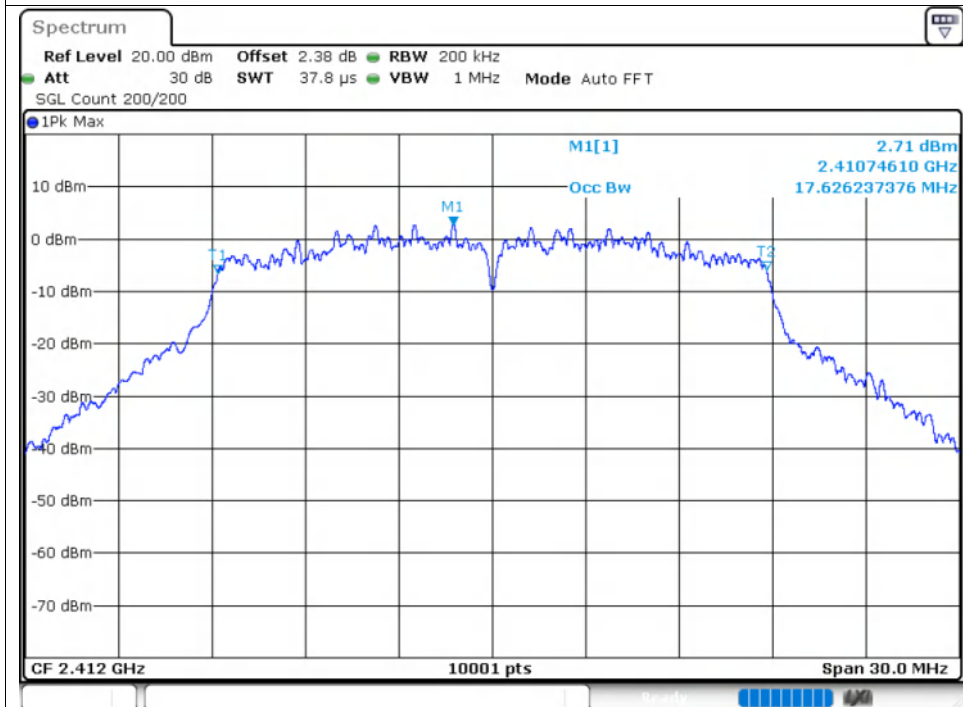


8.2.4 Occupied Channel Bandwidth

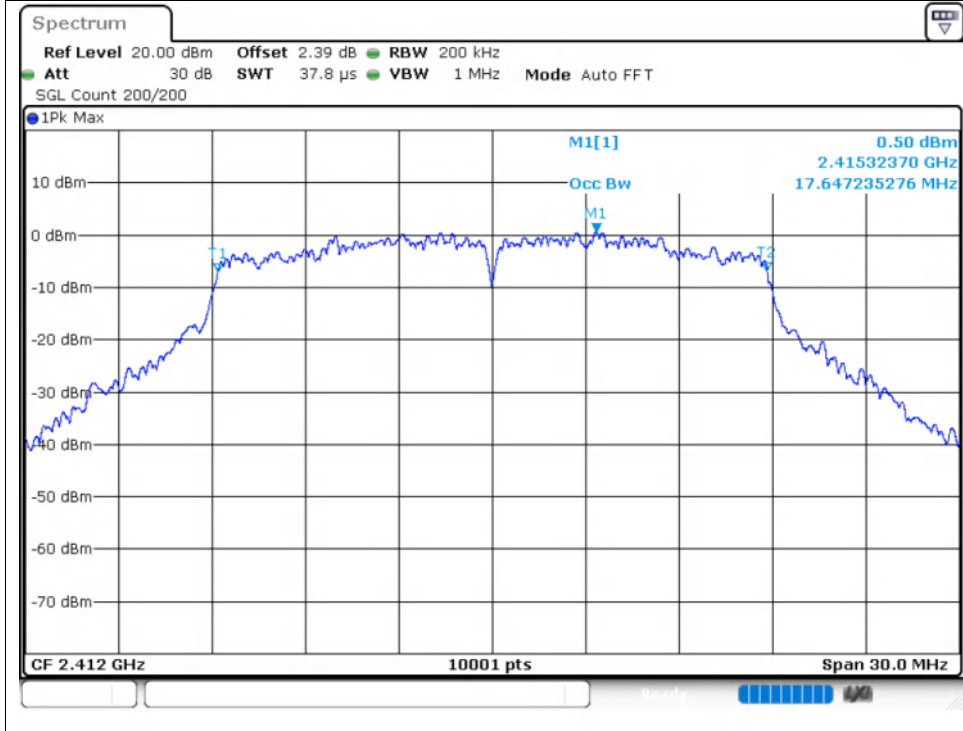
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	n20	2412	Ant1	17.626
NVNT	n20	2412	Ant2	17.647
NVNT	n20	2437	Ant1	17.701
NVNT	n20	2437	Ant2	17.749
NVNT	n20	2462	Ant1	17.605
NVNT	n20	2462	Ant2	17.686
NVNT	n40	2422	Ant1	36.452
NVNT	n40	2422	Ant2	36.344
NVNT	n40	2437	Ant1	36.344
NVNT	n40	2437	Ant2	36.44
NVNT	n40	2452	Ant1	36.494
NVNT	n40	2452	Ant2	36.392

Test Graphs

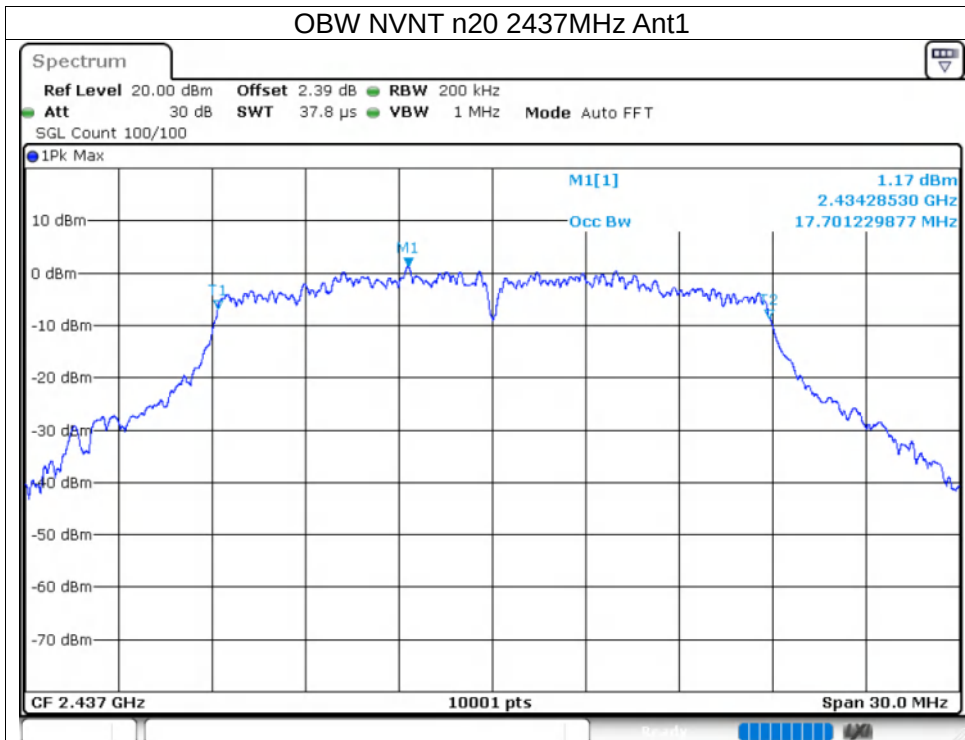
OBW NVNT n20 2412MHz Ant1



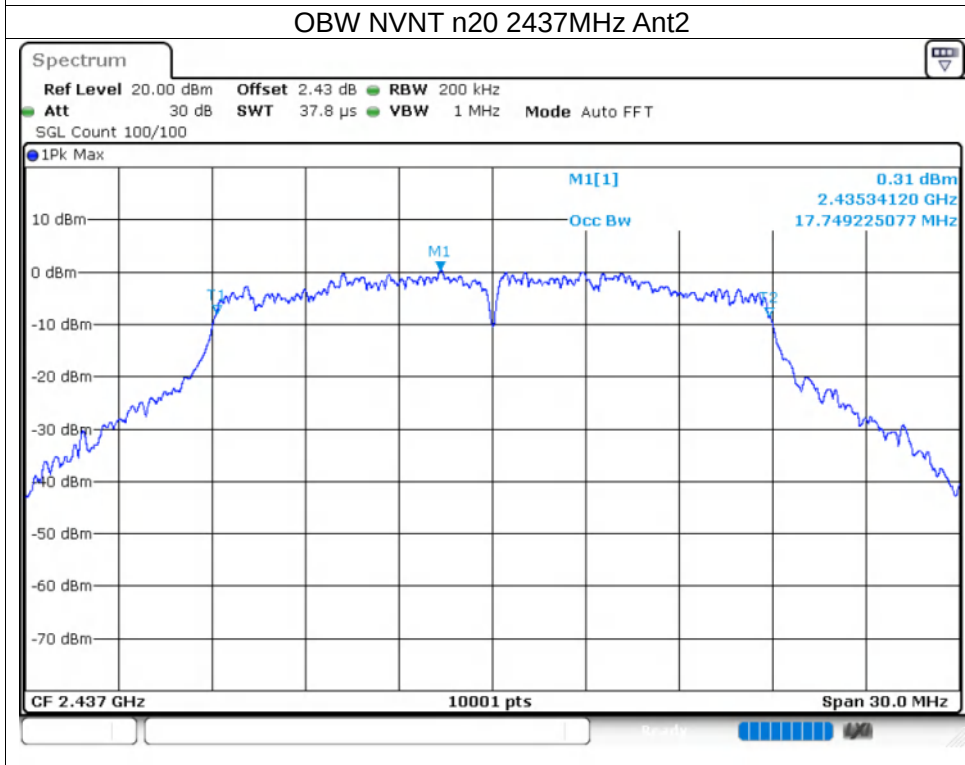
OBW NVNT n20 2412MHz Ant2



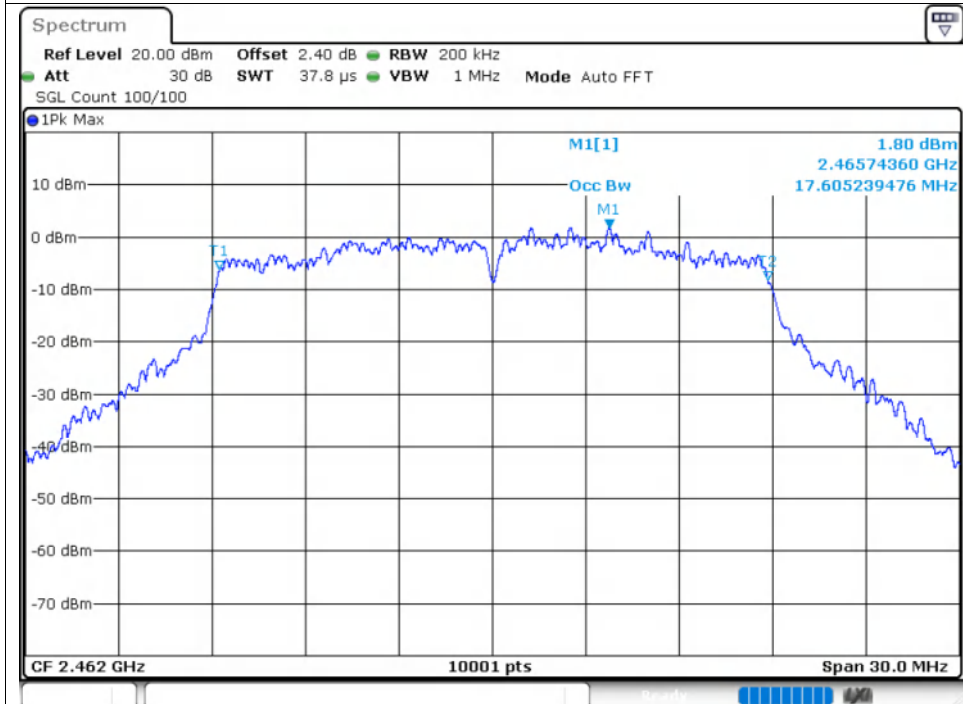
OBW NVNT n20 2437MHz Ant1



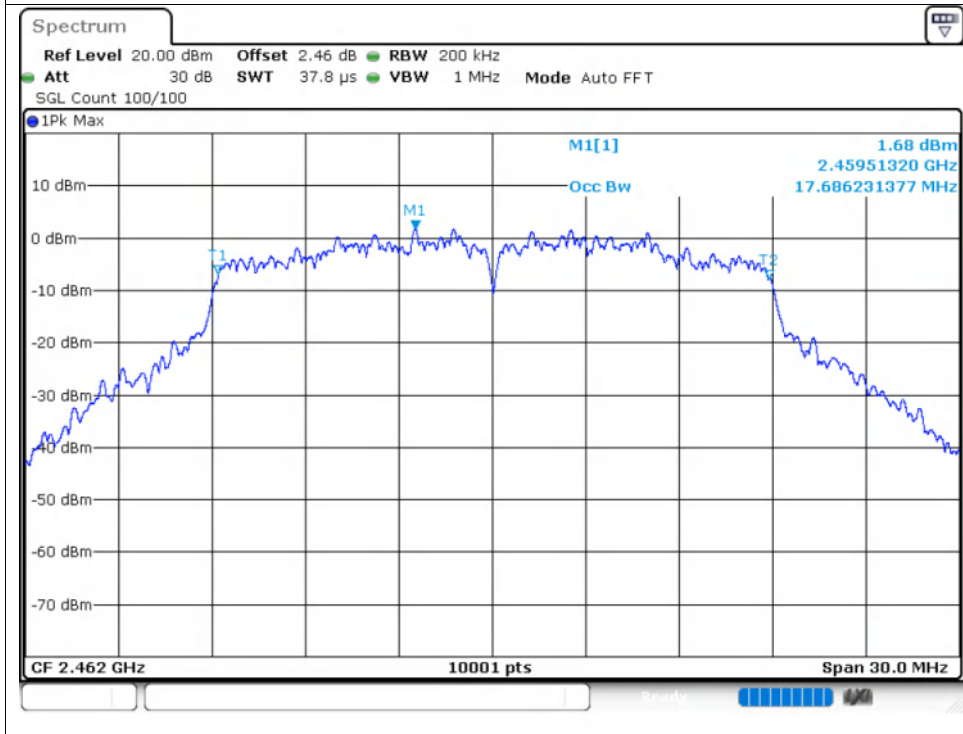
OBW NVNT n20 2437MHz Ant2



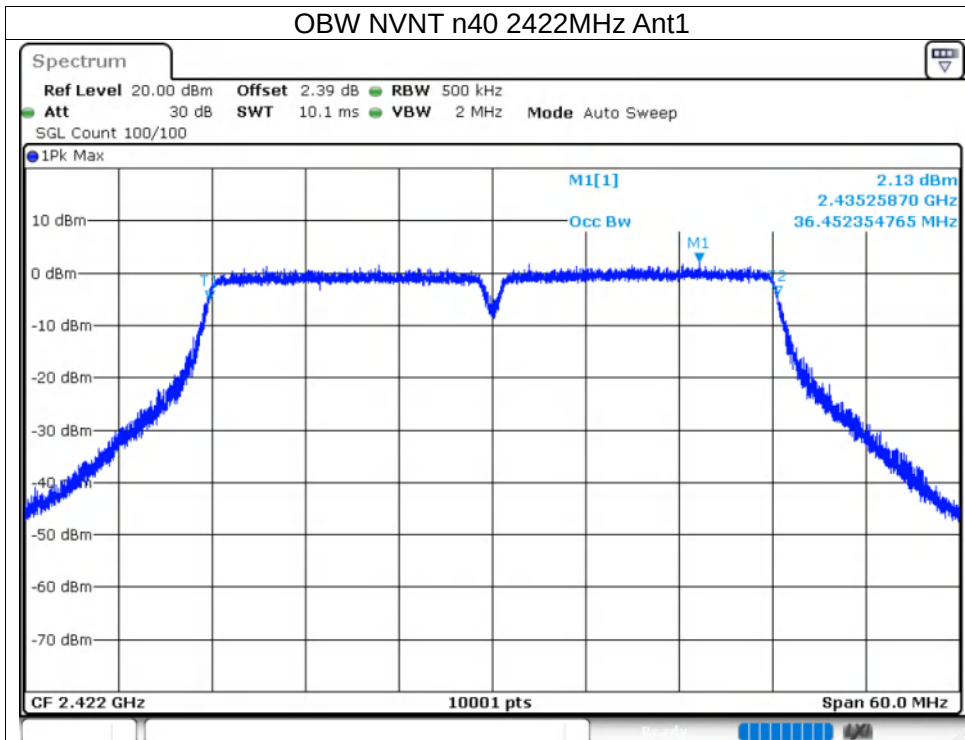
OBW NVNT n20 2462MHz Ant1



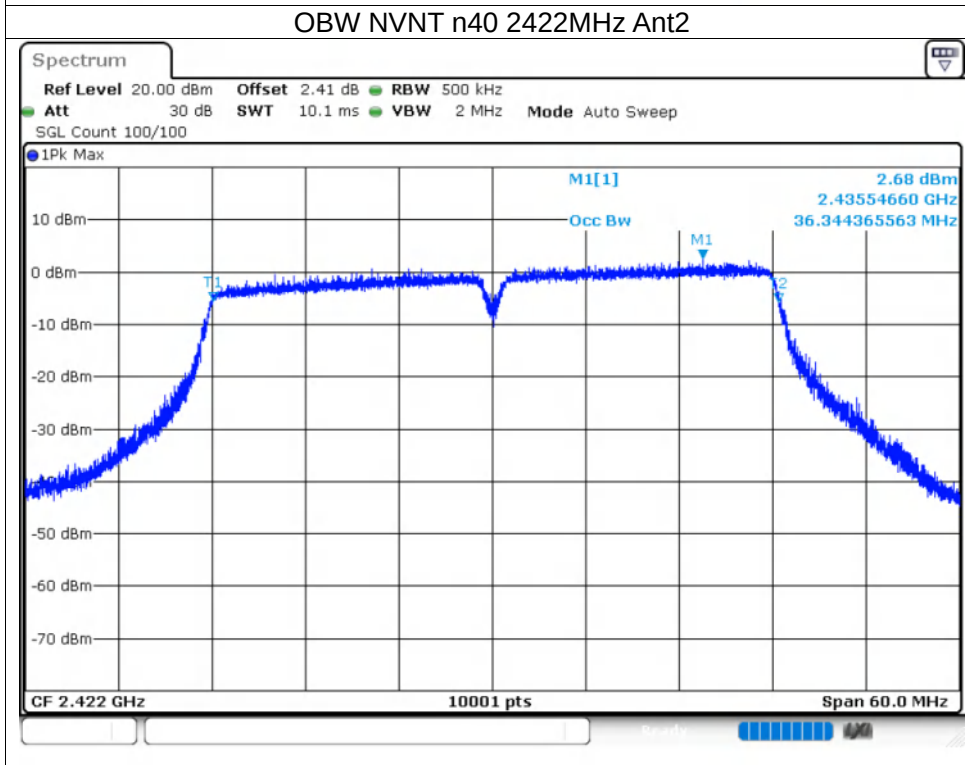
OBW NVNT n20 2462MHz Ant2



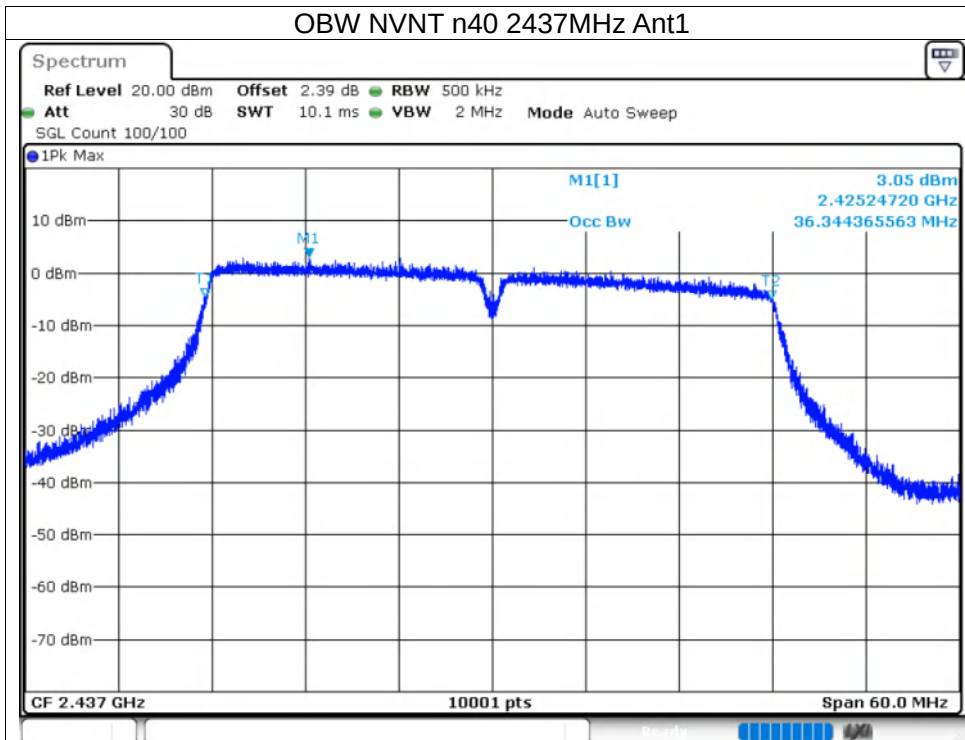
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2422MHz Ant2



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2437MHz Ant2

