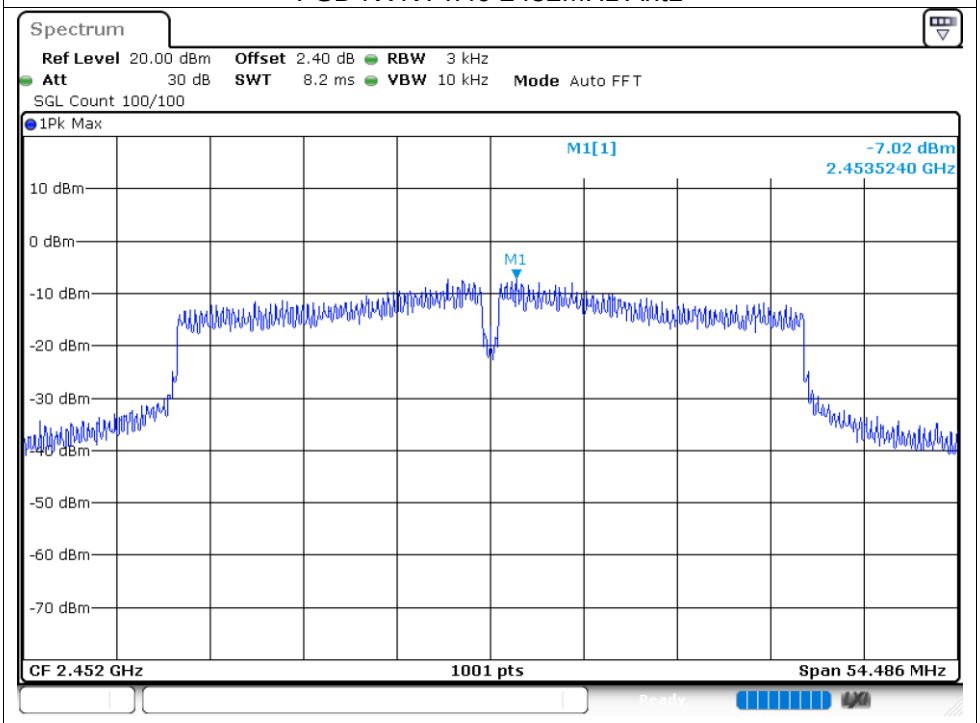
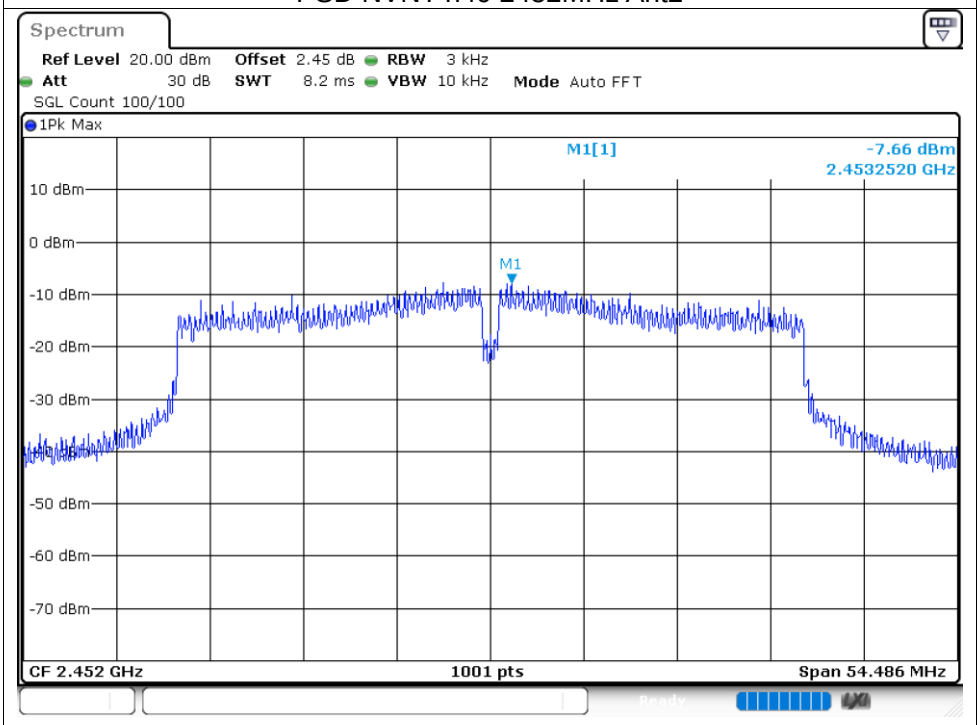
PSD NVNT n40 2452MHz Ant1



PSD NVNT n40 2452MHz Ant2

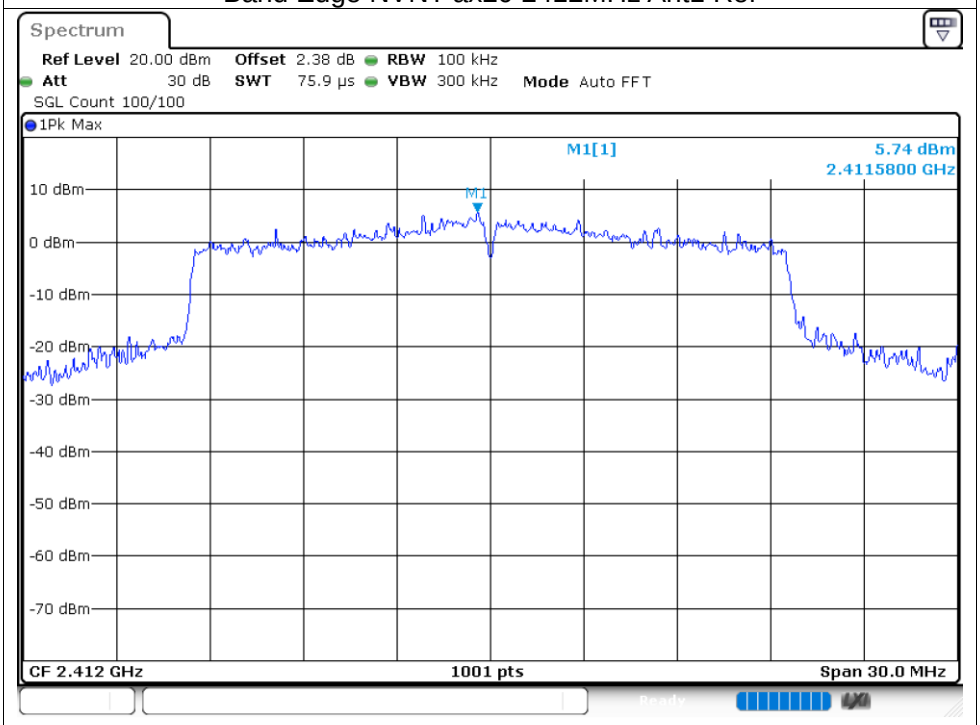


8.2.3 Band Edge

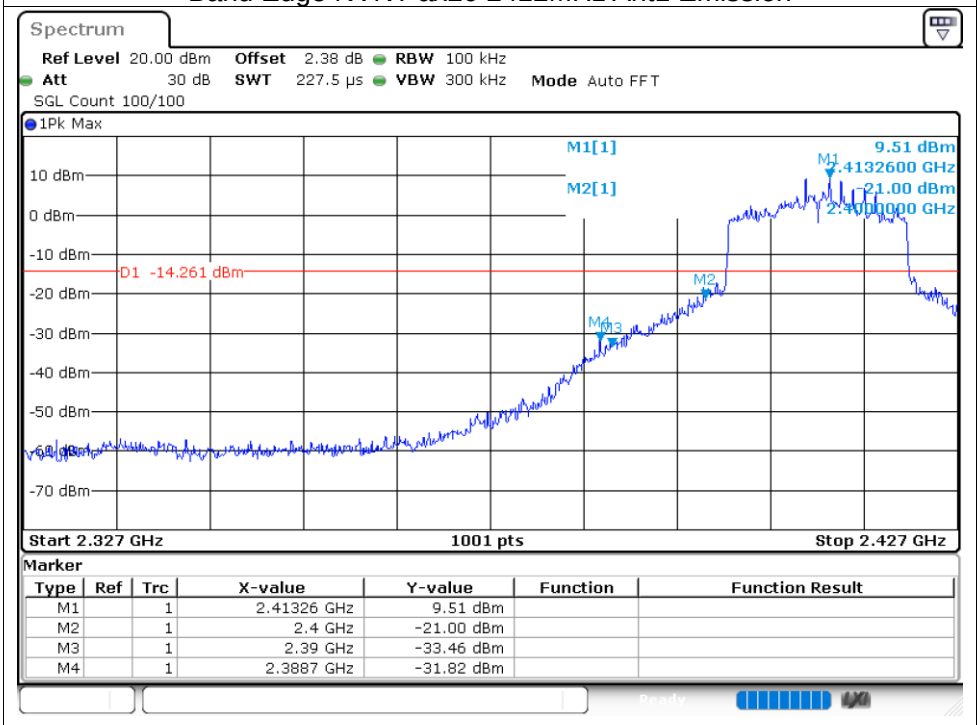
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-37.56	-20	Pass
NVNT	ax20	2412	Ant2	-34.27	-20	Pass
NVNT	ax20	2462	Ant1	-35.94	-20	Pass
NVNT	ax20	2462	Ant2	-41.46	-20	Pass
NVNT	ax40	2422	Ant1	-29.43	-20	Pass
NVNT	ax40	2422	Ant2	-30.63	-20	Pass
NVNT	ax40	2452	Ant1	-26.52	-20	Pass
NVNT	ax40	2452	Ant2	-28.71	-20	Pass
NVNT	n20	2412	Ant1	-42.47	-20	Pass
NVNT	n20	2412	Ant2	-39.96	-20	Pass
NVNT	n20	2462	Ant1	-36.52	-20	Pass
NVNT	n20	2462	Ant2	-38.89	-20	Pass
NVNT	n40	2422	Ant1	-29.35	-20	Pass
NVNT	n40	2422	Ant2	-30.03	-20	Pass
NVNT	n40	2452	Ant1	-27.02	-20	Pass
NVNT	n40	2452	Ant2	-29.95	-20	Pass

Test Graphs

Band Edge NVNT ax20 2412MHz Ant1 Ref



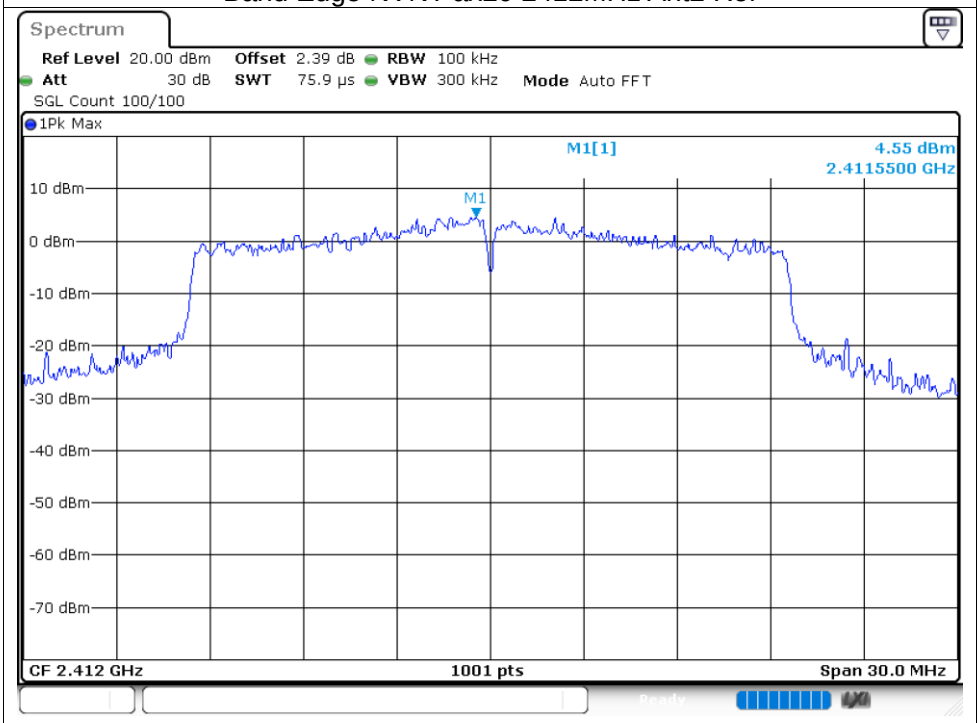
Band Edge NVNT ax20 2412MHz Ant1 Emission



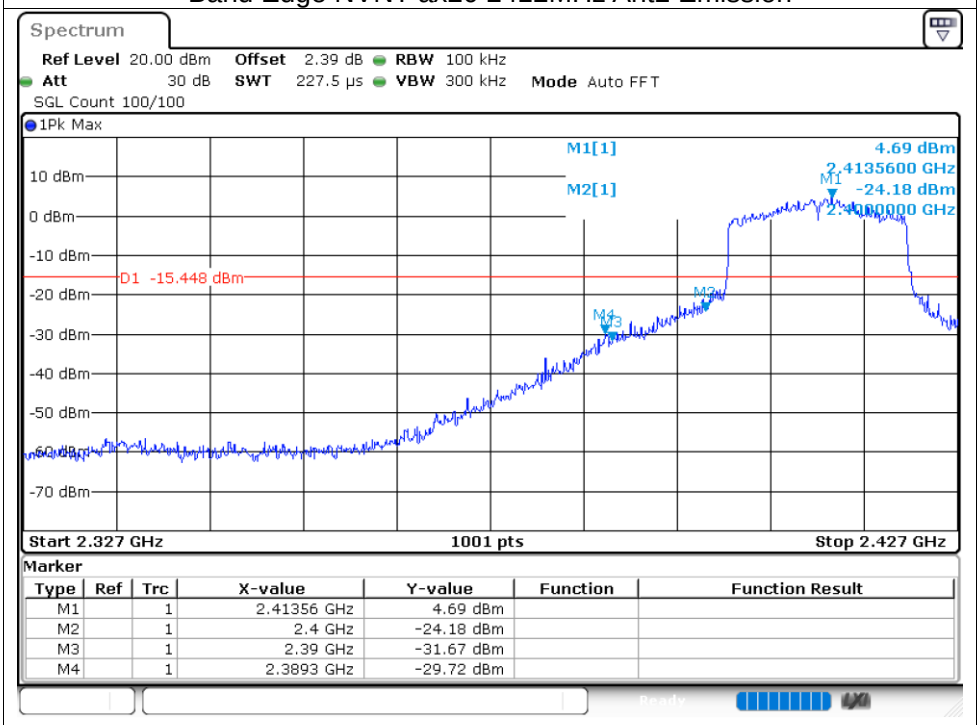
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41326 GHz	9.51 dBm		
M2		1	2.4 GHz	-21.00 dBm		
M3		1	2.39 GHz	-33.46 dBm		
M4		1	2.3887 GHz	-31.82 dBm		

Band Edge NVNT ax20 2412MHz Ant2 Ref



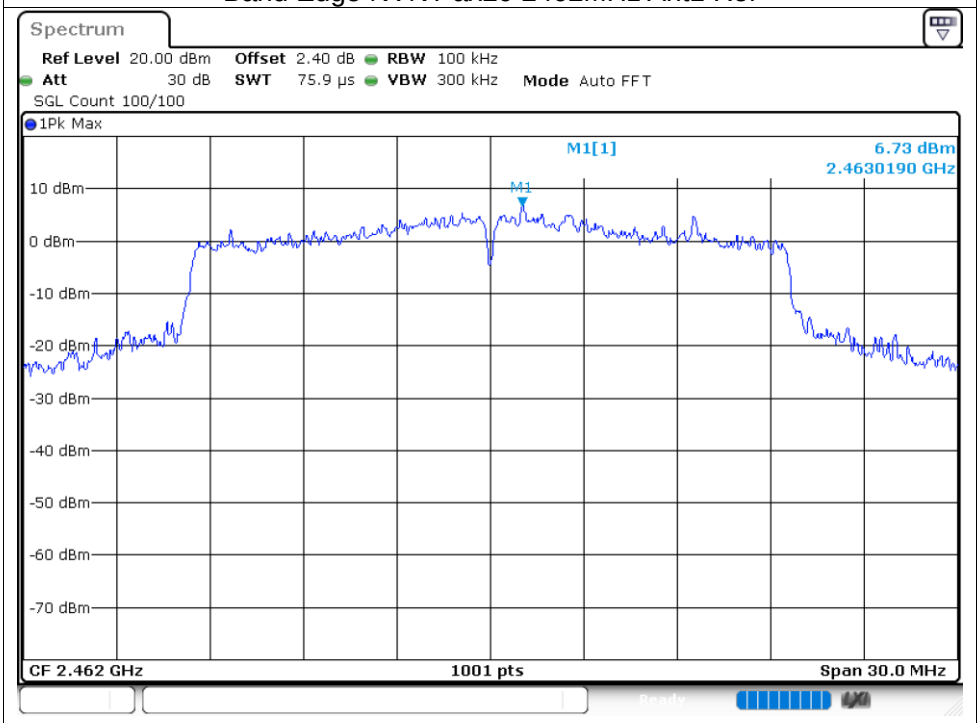
Band Edge NVNT ax20 2412MHz Ant2 Emission



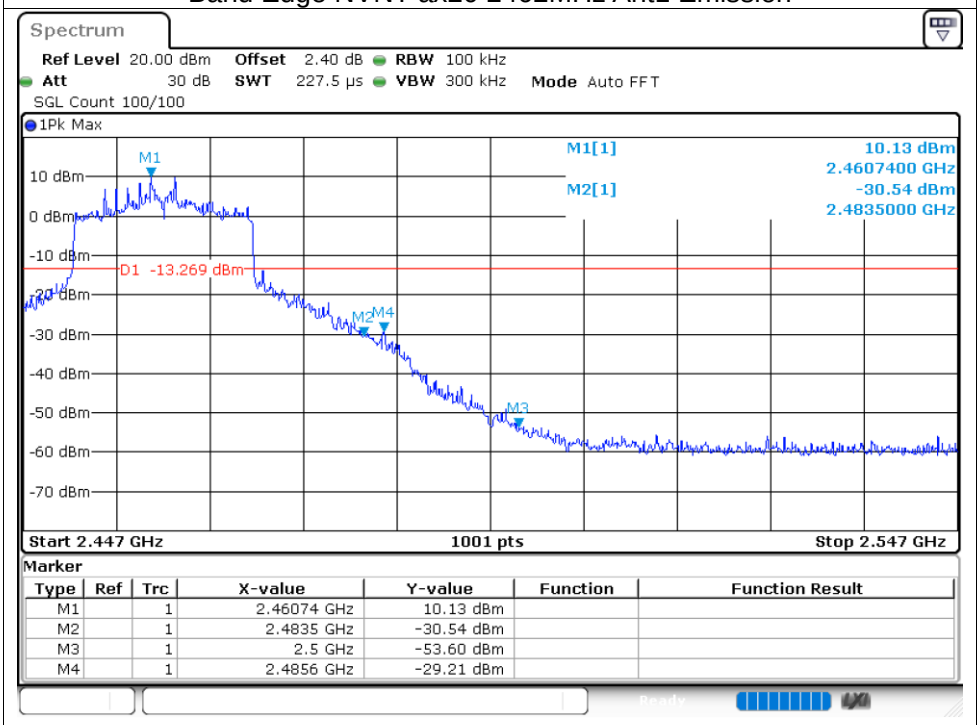
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41356 GHz	4.69 dBm		
M2		1	2.4 GHz	-24.18 dBm		
M3		1	2.39 GHz	-31.67 dBm		
M4		1	2.3893 GHz	-29.72 dBm		

Band Edge NVNT ax20 2462MHz Ant1 Ref



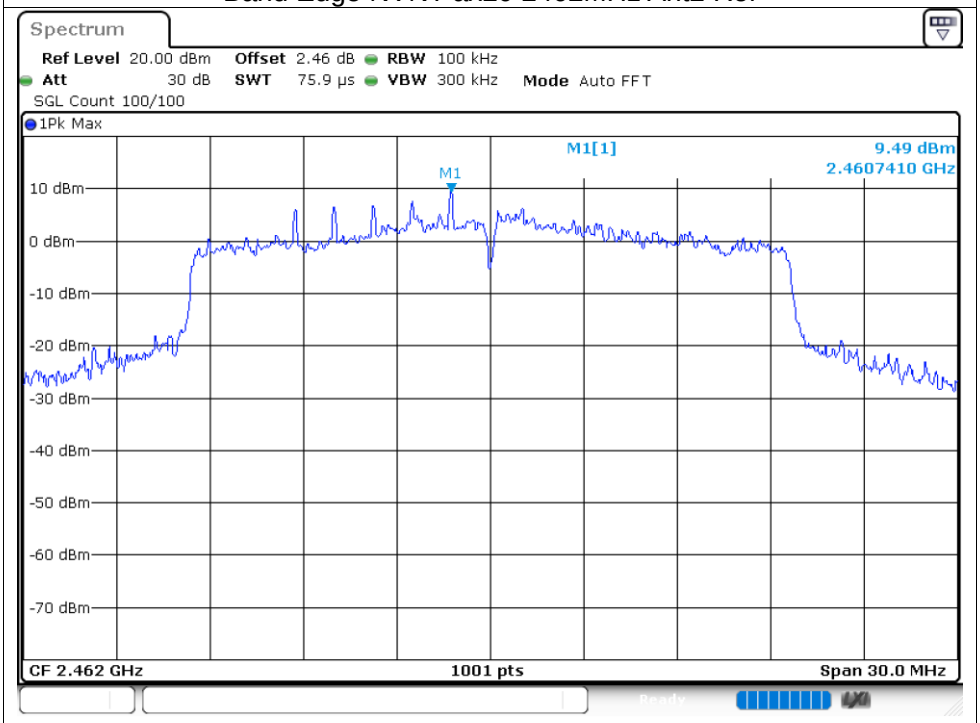
Band Edge NVNT ax20 2462MHz Ant1 Emission



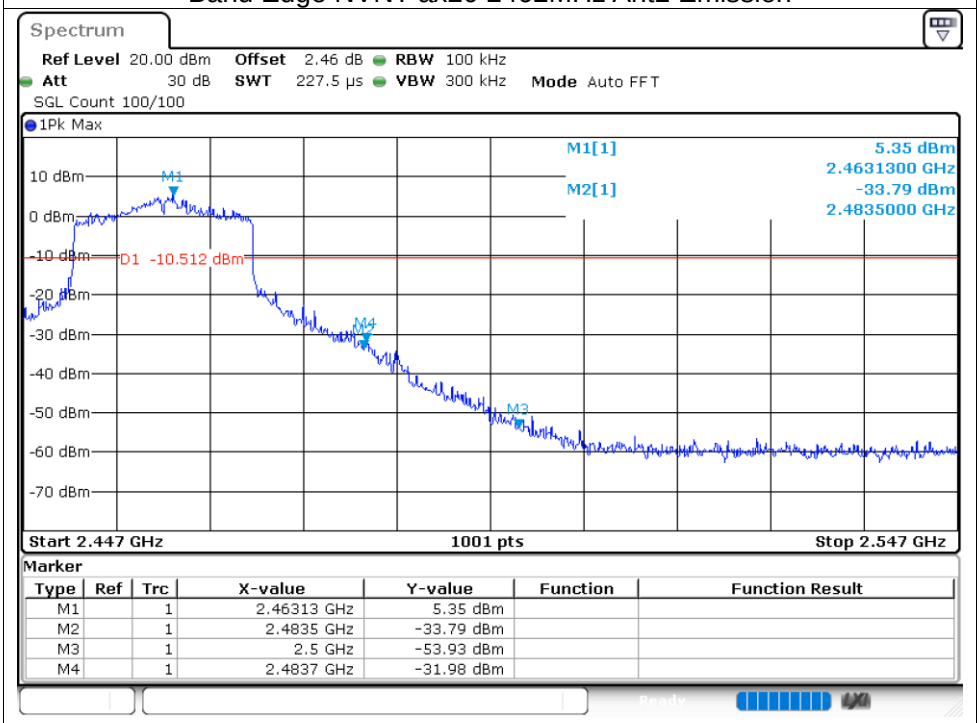
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46074 GHz	10.13 dBm		
M2		1	2.4835 GHz	-30.54 dBm		
M3		1	2.5 GHz	-53.60 dBm		
M4		1	2.4856 GHz	-29.21 dBm		

Band Edge NVNT ax20 2462MHz Ant2 Ref



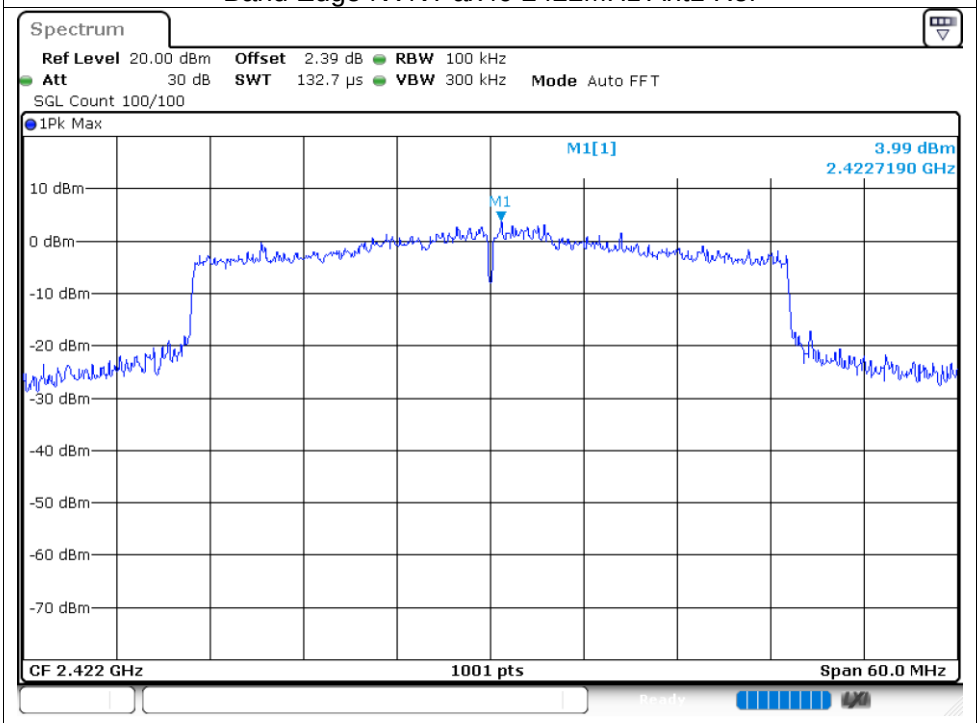
Band Edge NVNT ax20 2462MHz Ant2 Emission



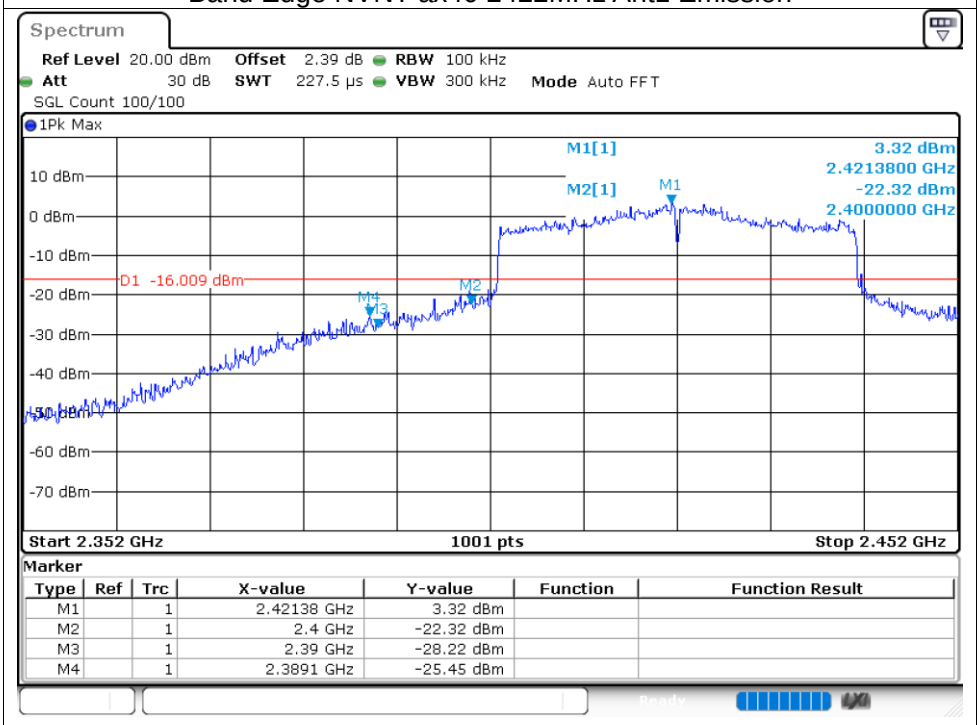
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46313 GHz	5.35 dBm		
M2		1	2.4835 GHz	-33.79 dBm		
M3		1	2.5 GHz	-53.93 dBm		
M4		1	2.4837 GHz	-31.98 dBm		

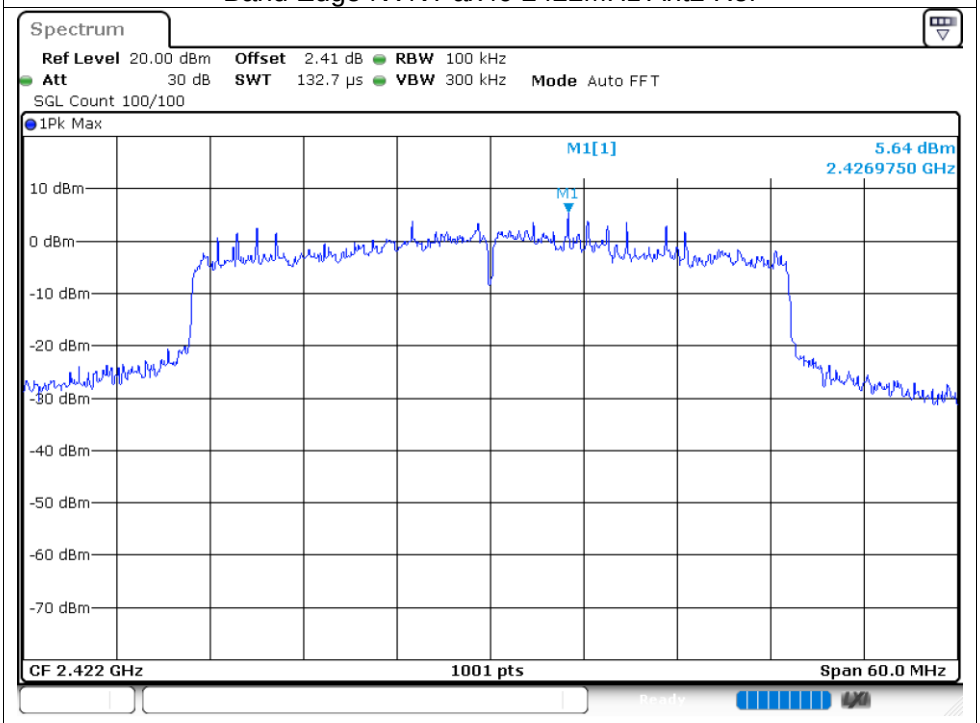
Band Edge NVNT ax40 2422MHz Ant1 Ref



Band Edge NVNT ax40 2422MHz Ant1 Emission

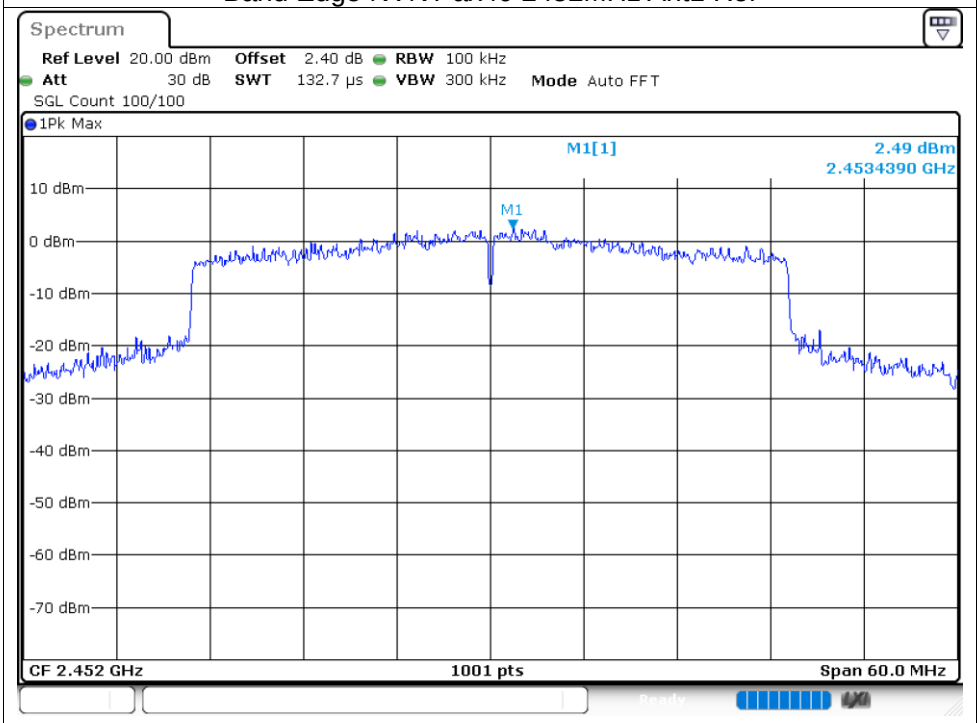


Band Edge NVNT ax40 2422MHz Ant2 Ref

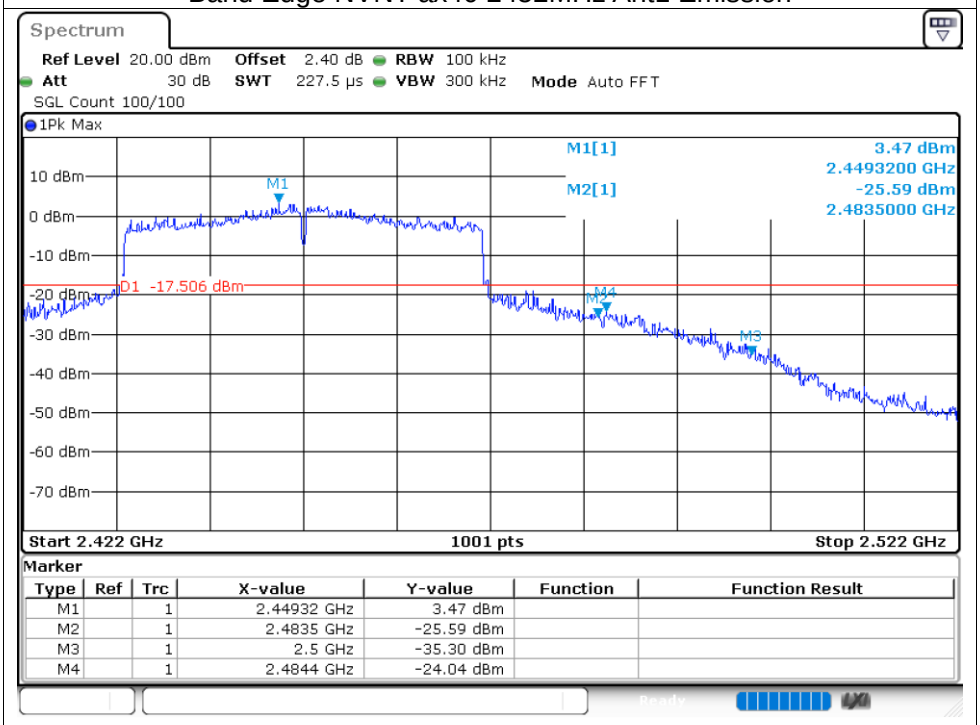


Band Edge NVNT ax40 2422MHz Ant2 Emission

Band Edge NVNT ax40 2452MHz Ant1 Ref



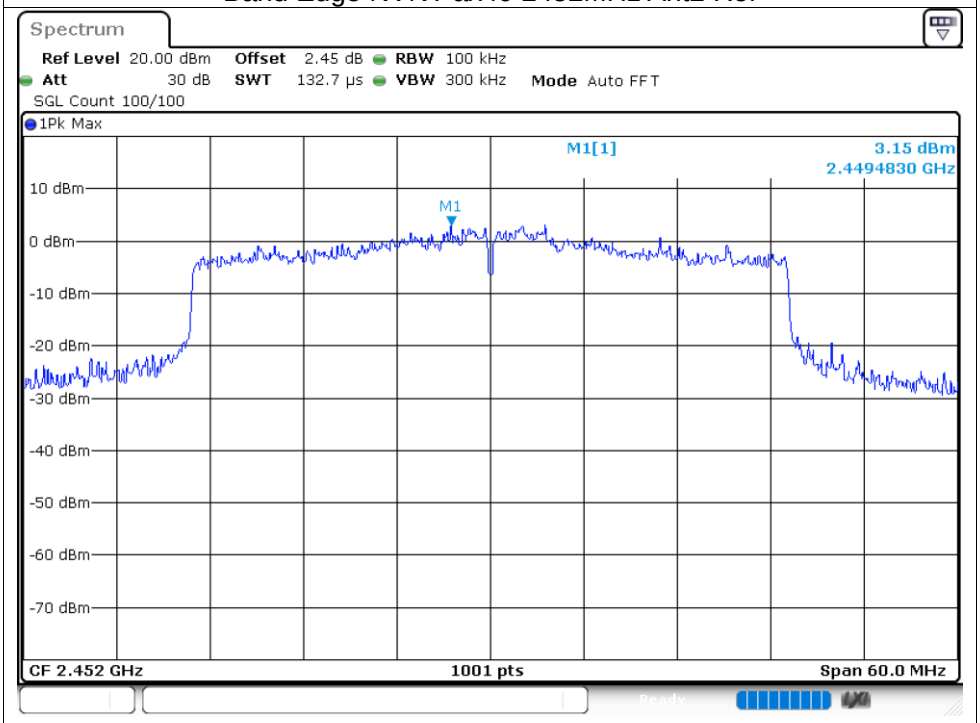
Band Edge NVNT ax40 2452MHz Ant1 Emission



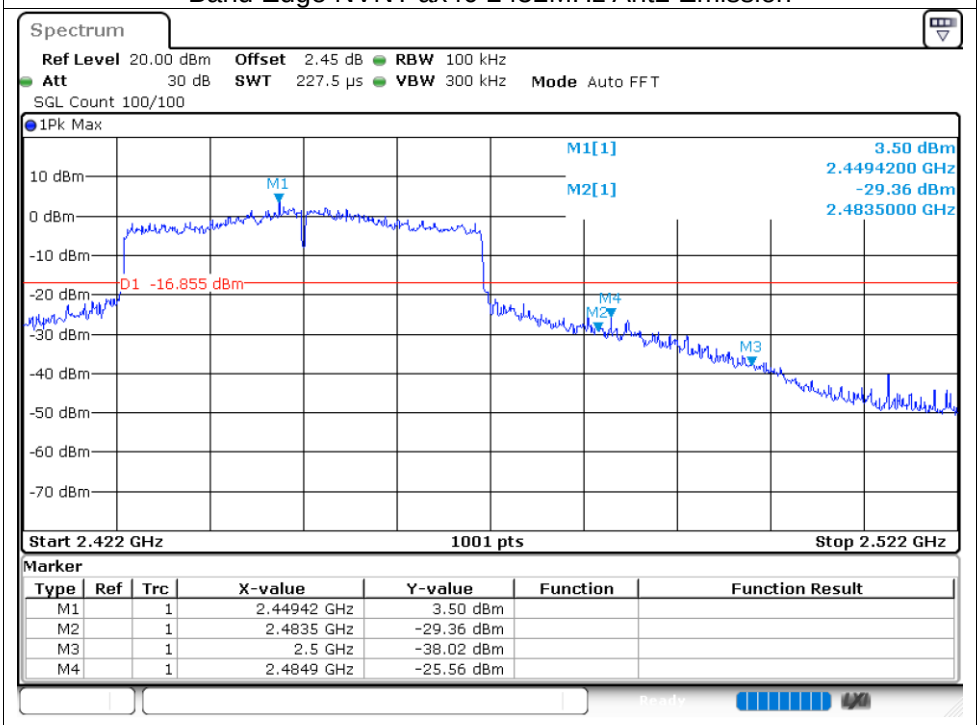
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44932 GHz	3.47 dBm		
M2		1	2.4835 GHz	-25.59 dBm		
M3		1	2.5 GHz	-35.30 dBm		
M4		1	2.4844 GHz	-24.04 dBm		

Band Edge NVNT ax40 2452MHz Ant2 Ref



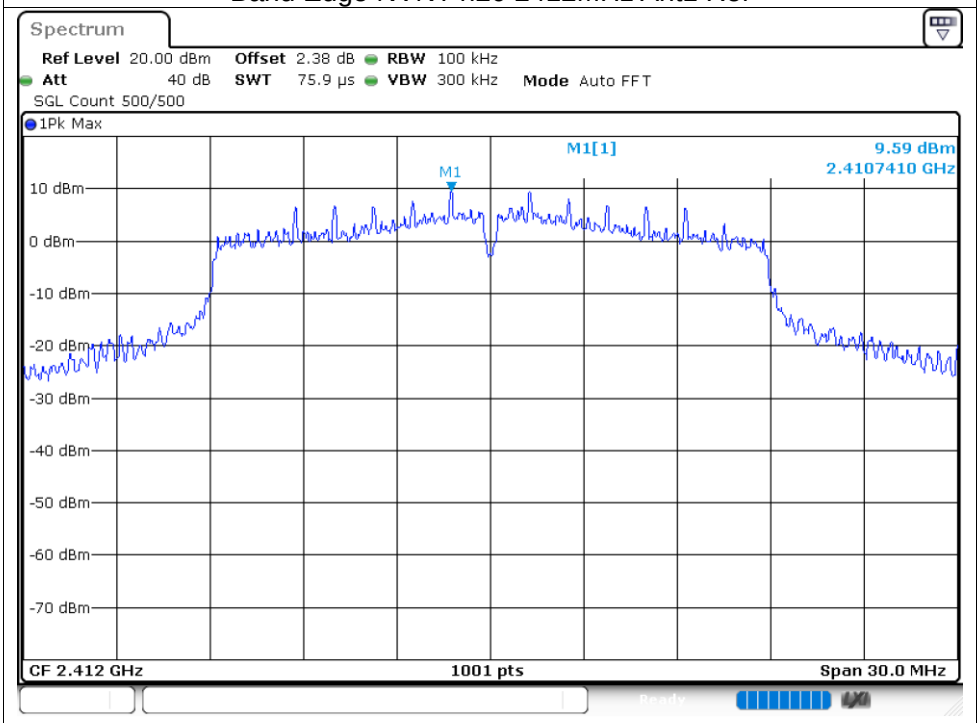
Band Edge NVNT ax40 2452MHz Ant2 Emission



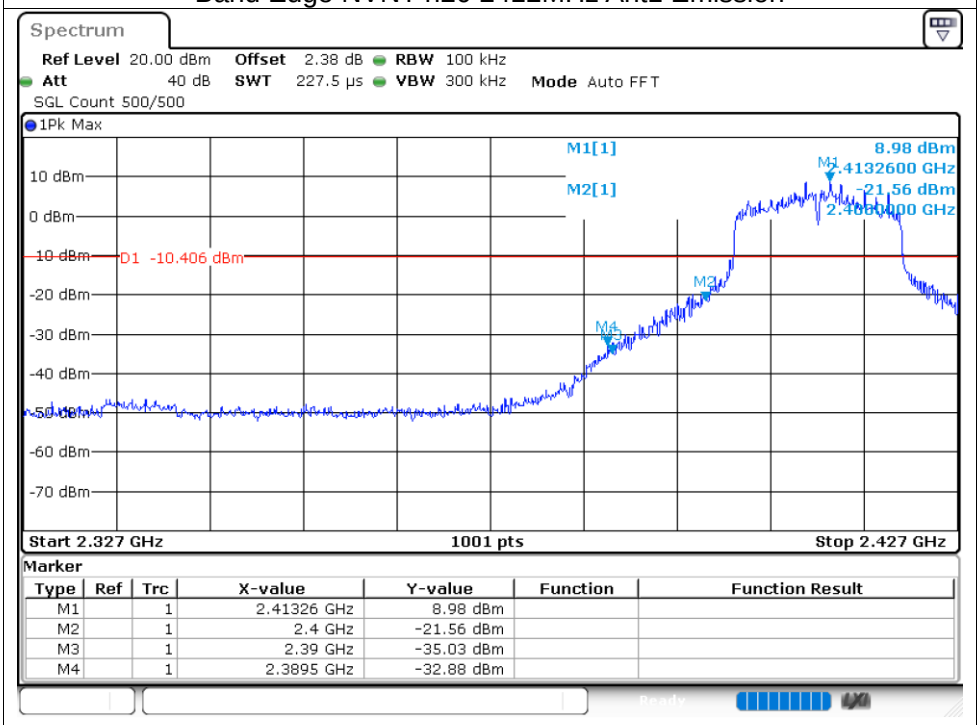
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44942 GHz	3.50 dBm		
M2		1	2.4835 GHz	-29.36 dBm		
M3		1	2.5 GHz	-38.02 dBm		
M4		1	2.4849 GHz	-25.56 dBm		

Band Edge NVNT n20 2412MHz Ant1 Ref



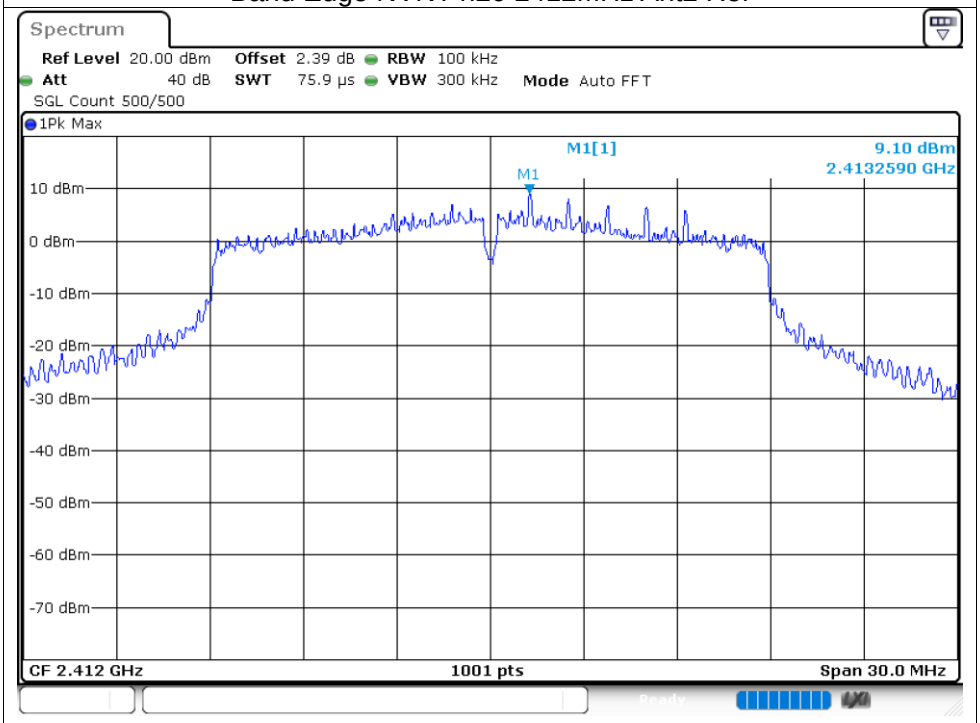
Band Edge NVNT n20 2412MHz Ant1 Emission



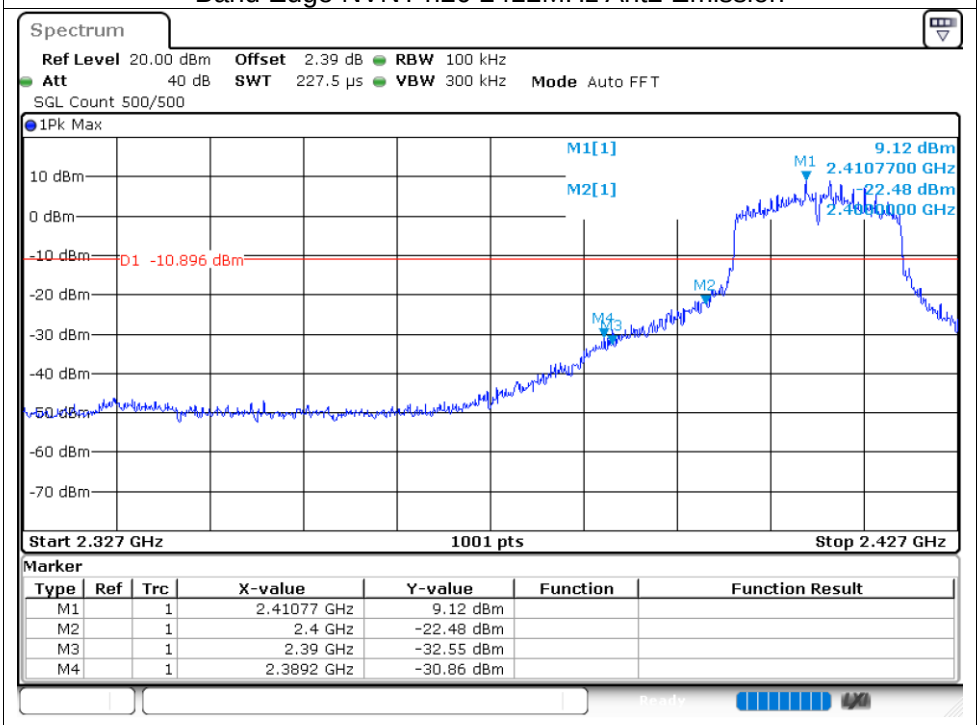
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41326 GHz	8.98 dBm		
M2		1	2.4 GHz	-21.56 dBm		
M3		1	2.39 GHz	-35.03 dBm		
M4		1	2.3895 GHz	-32.88 dBm		

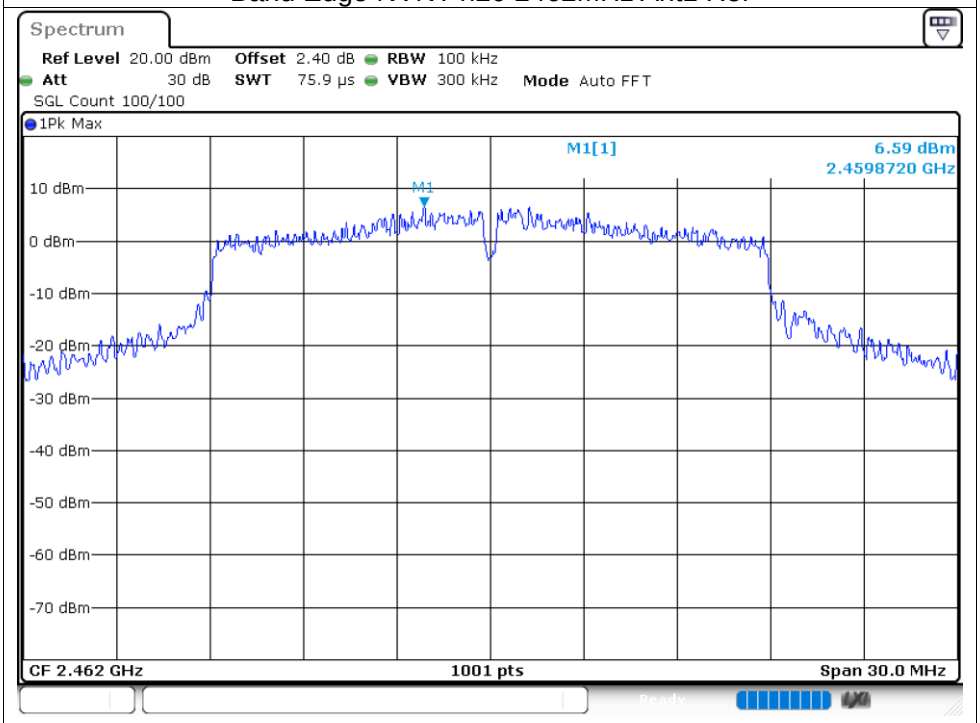
Band Edge NVNT n20 2412MHz Ant2 Ref



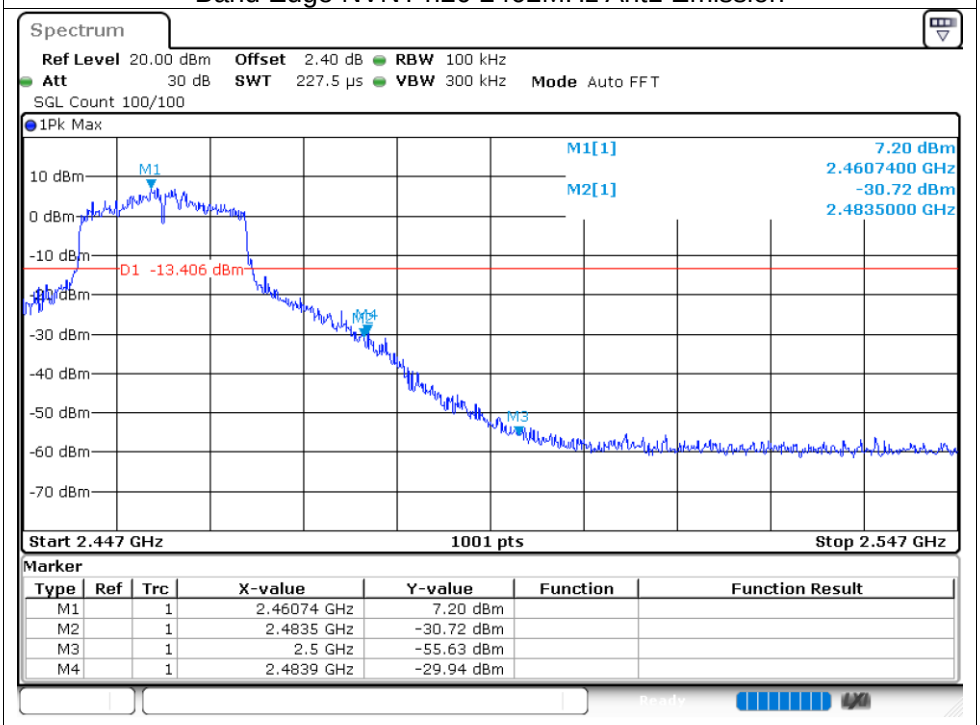
Band Edge NVNT n20 2412MHz Ant2 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



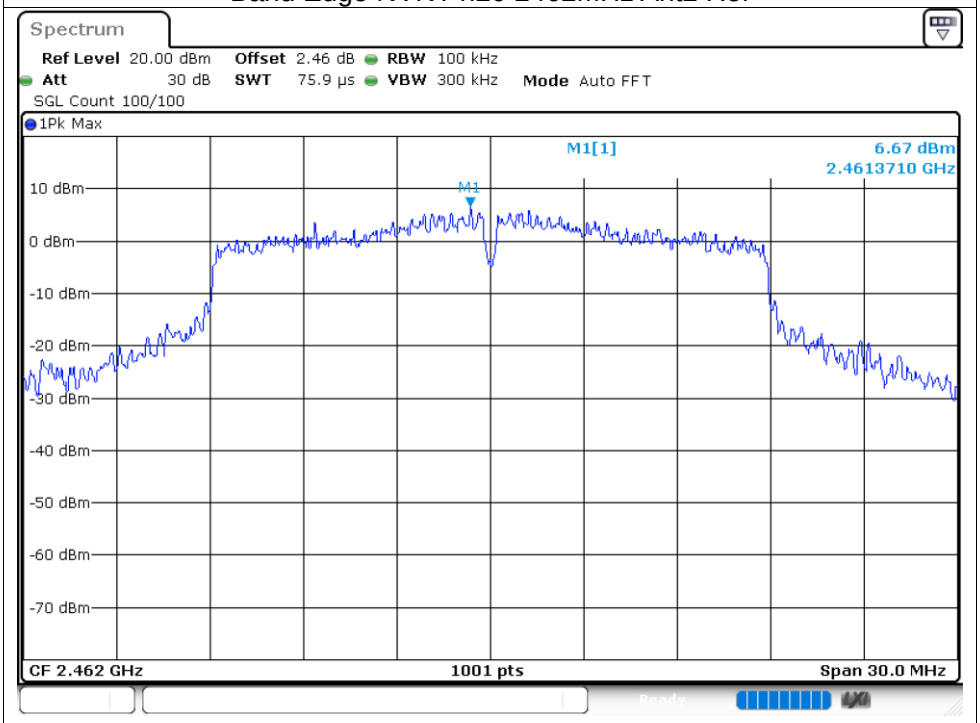
Band Edge NVNT n20 2462MHz Ant1 Emission



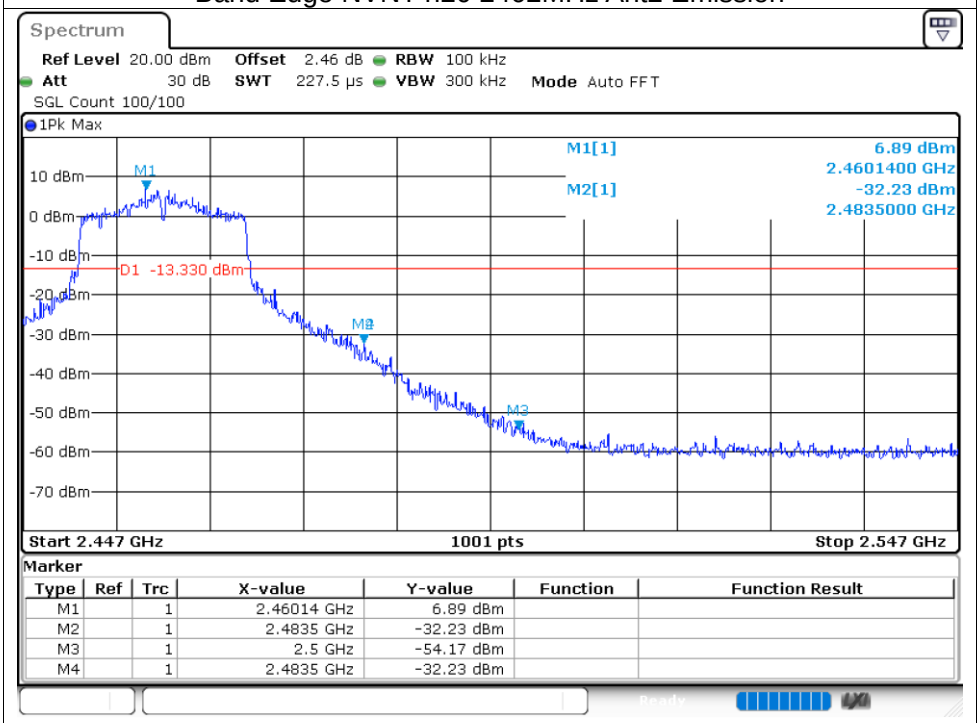
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46074 GHz	7.20 dBm		
M2		1	2.4835 GHz	-30.72 dBm		
M3		1	2.5 GHz	-55.63 dBm		
M4		1	2.4839 GHz	-29.94 dBm		

Band Edge NVNT n20 2462MHz Ant2 Ref

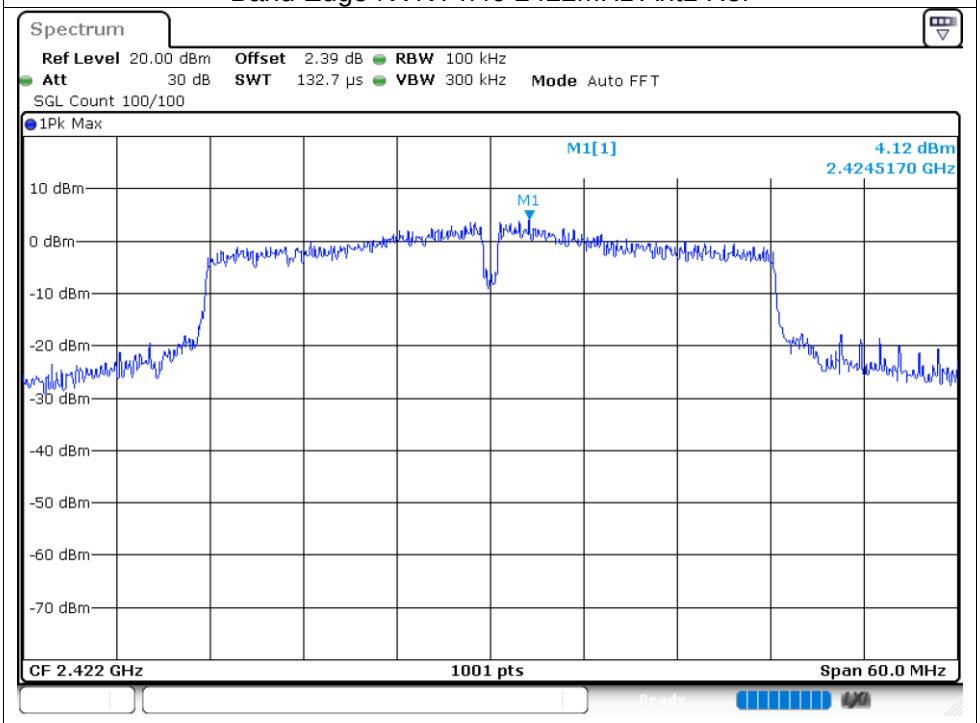


Band Edge NVNT n20 2462MHz Ant2 Emission

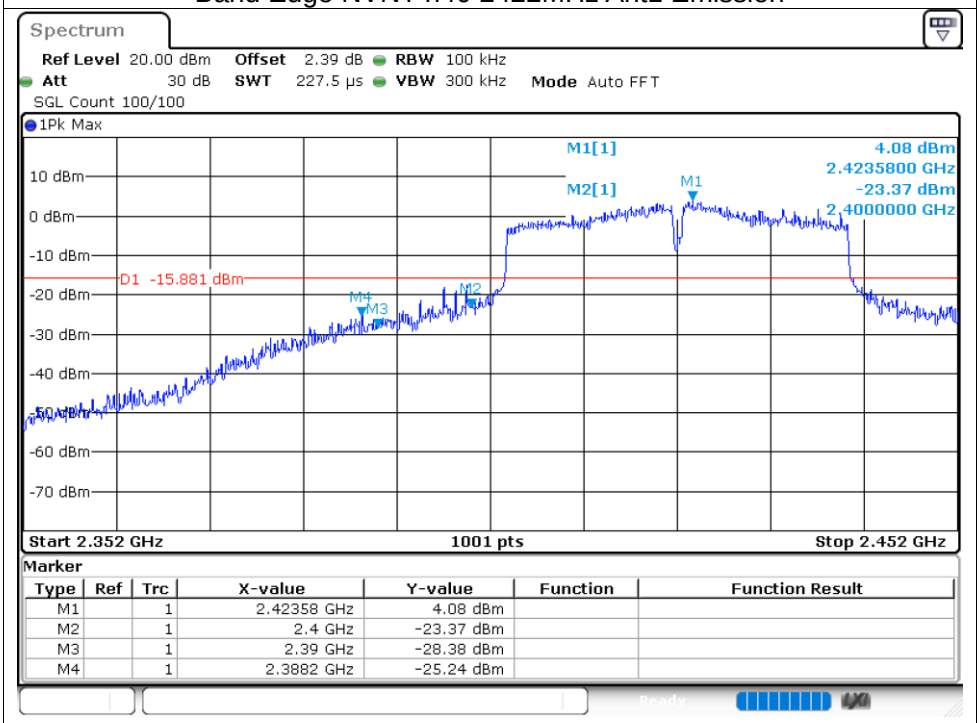


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46014 GHz	6.89 dBm		
M2		1	2.4835 GHz	-32.23 dBm		
M3		1	2.5 GHz	-54.17 dBm		
M4		1	2.4835 GHz	-32.23 dBm		

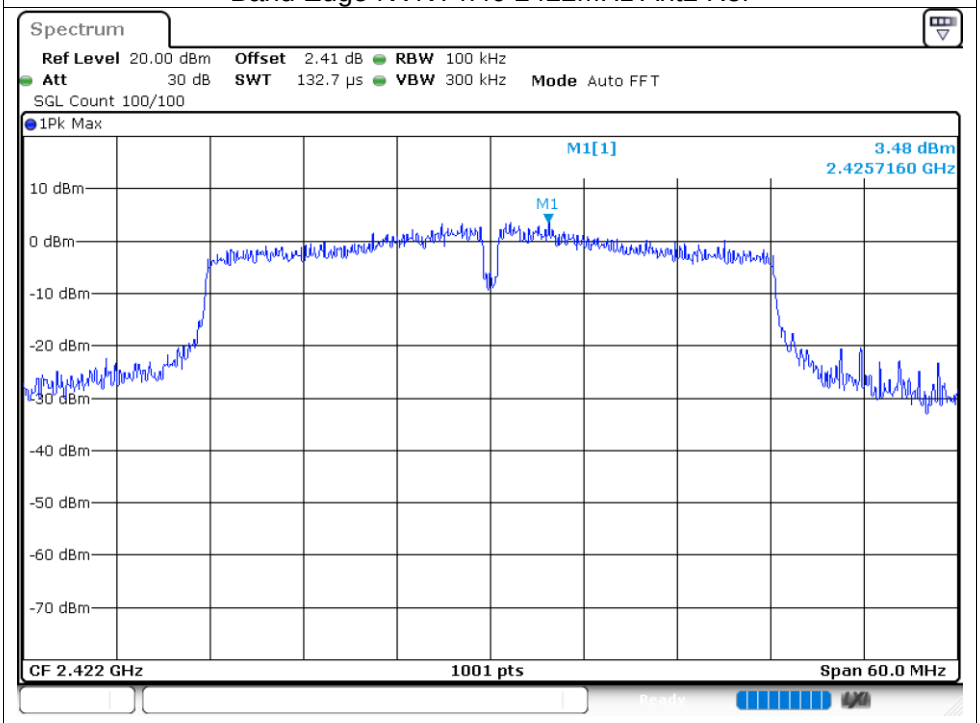
Band Edge NVNT n40 2422MHz Ant1 Ref



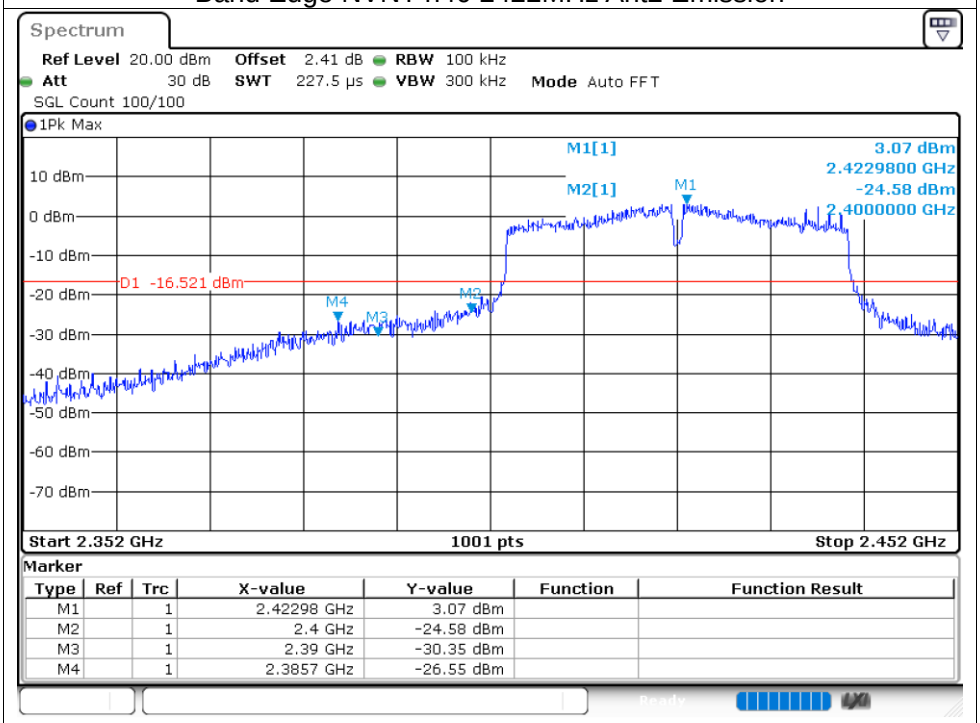
Band Edge NVNT n40 2422MHz Ant1 Emission



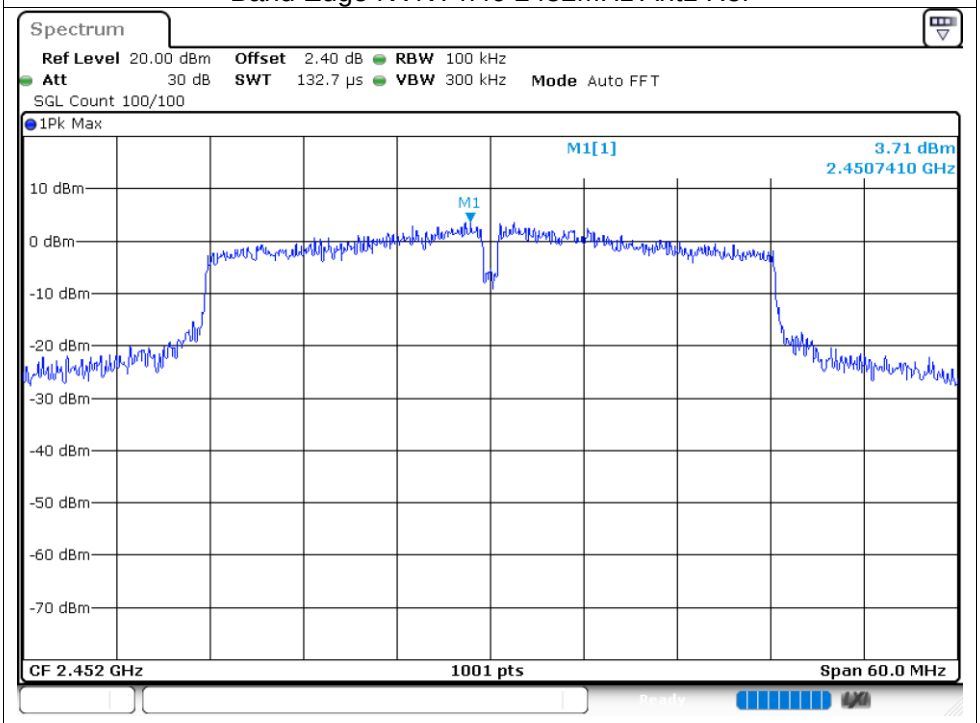
Band Edge NVNT n40 2422MHz Ant2 Ref



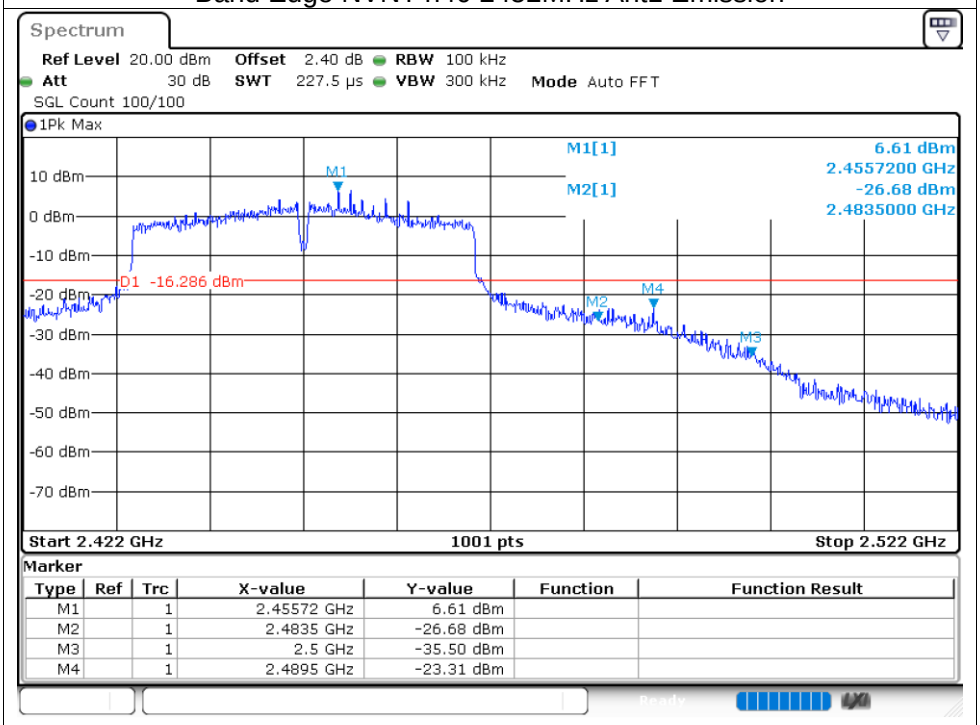
Band Edge NVNT n40 2422MHz Ant2 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



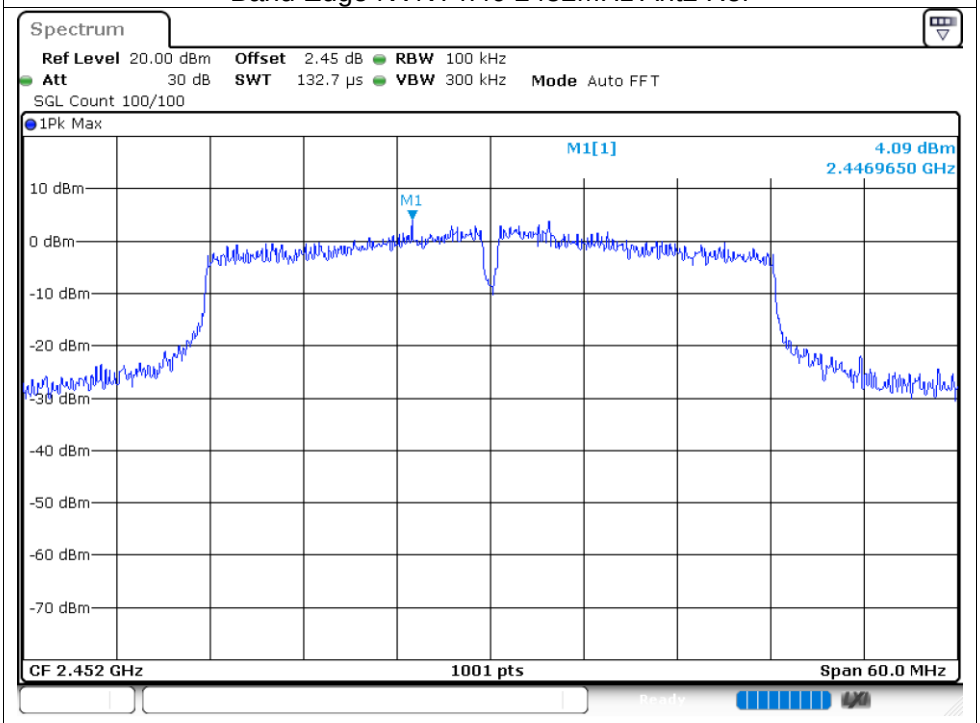
Band Edge NVNT n40 2452MHz Ant1 Emission



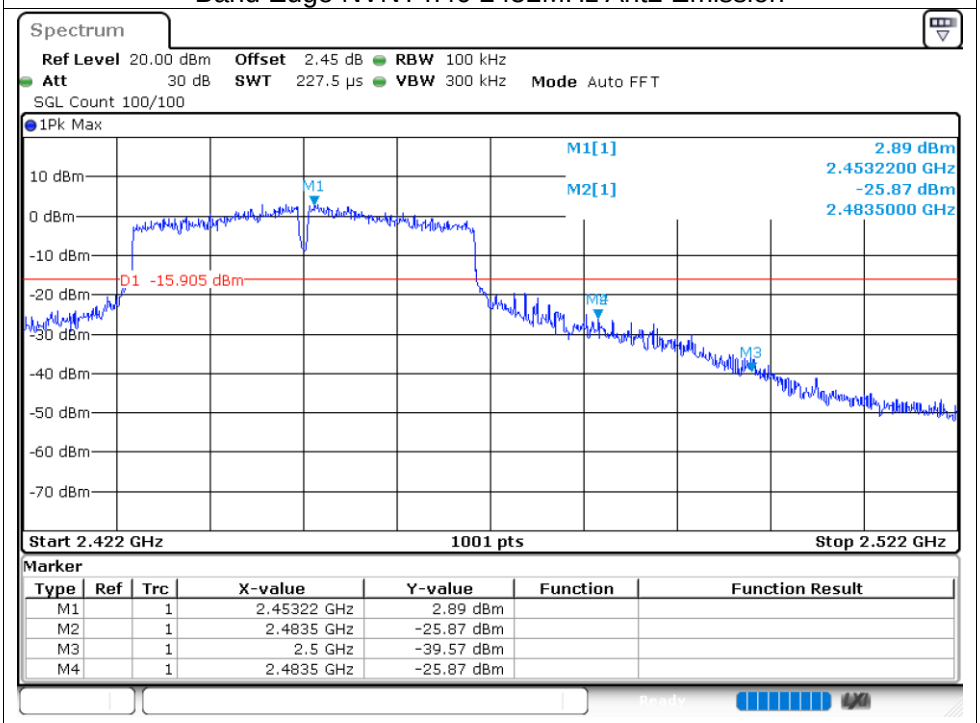
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45572 GHz	6.61 dBm		
M2		1	2.4835 GHz	-26.68 dBm		
M3		1	2.5 GHz	-35.50 dBm		
M4		1	2.4895 GHz	-23.31 dBm		

Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission



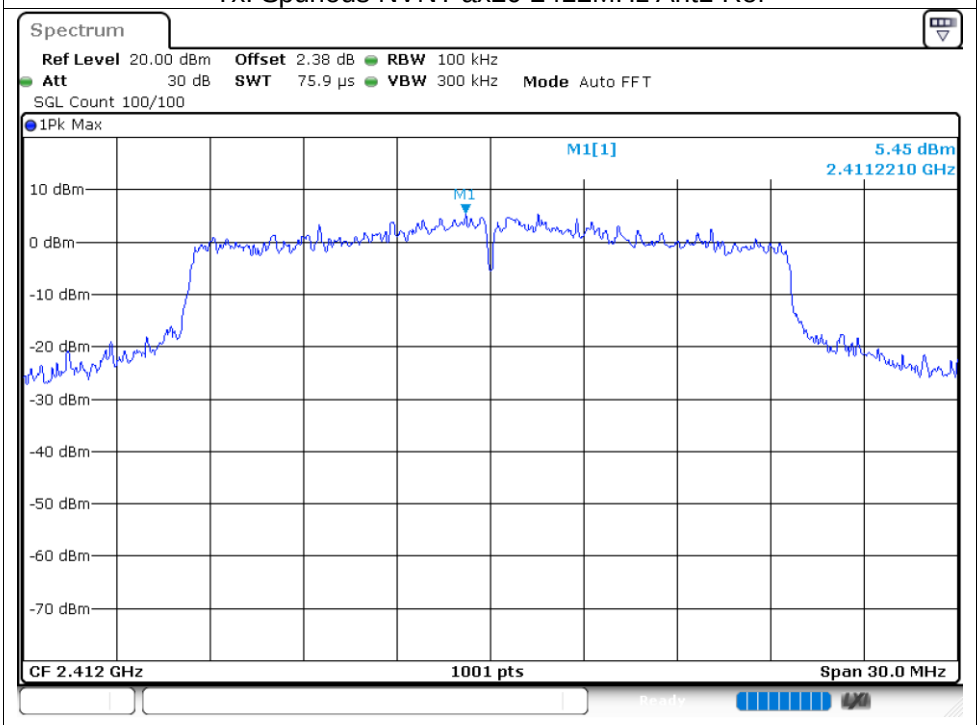
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45322 GHz	2.89 dBm		
M2		1	2.4835 GHz	-25.87 dBm		
M3		1	2.5 GHz	-39.57 dBm		
M4		1	2.4835 GHz	-25.87 dBm		

8.2.4 Conducted RF Spurious Emission

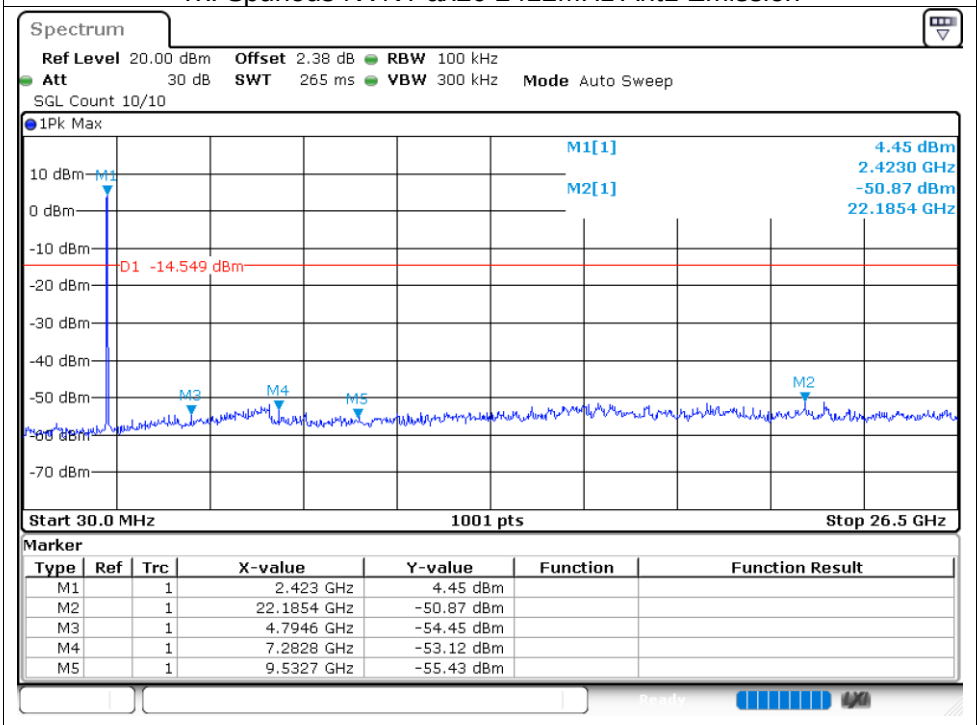
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-56.32	-20	Pass
NVNT	ax20	2412	Ant2	-56.84	-20	Pass
NVNT	ax20	2437	Ant1	-57.02	-20	Pass
NVNT	ax20	2437	Ant2	-56.96	-20	Pass
NVNT	ax20	2462	Ant1	-56.48	-20	Pass
NVNT	ax20	2462	Ant2	-58.09	-20	Pass
NVNT	ax40	2422	Ant1	-54.66	-20	Pass
NVNT	ax40	2422	Ant2	-56.97	-20	Pass
NVNT	ax40	2437	Ant1	-54.28	-20	Pass
NVNT	ax40	2437	Ant2	-54.39	-20	Pass
NVNT	ax40	2452	Ant1	-50.29	-20	Pass
NVNT	ax40	2452	Ant2	-53.9	-20	Pass
NVNT	n20	2412	Ant1	-56.39	-20	Pass
NVNT	n20	2412	Ant2	-60.59	-20	Pass
NVNT	n20	2437	Ant1	-58	-20	Pass
NVNT	n20	2437	Ant2	-56.35	-20	Pass
NVNT	n20	2462	Ant1	-58.27	-20	Pass
NVNT	n20	2462	Ant2	-58.41	-20	Pass
NVNT	n40	2422	Ant1	-56.65	-20	Pass
NVNT	n40	2422	Ant2	-55.55	-20	Pass
NVNT	n40	2437	Ant1	-54.52	-20	Pass
NVNT	n40	2437	Ant2	-54.43	-20	Pass
NVNT	n40	2452	Ant1	-54.43	-20	Pass
NVNT	n40	2452	Ant2	-52.37	-20	Pass

Test Graphs

Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



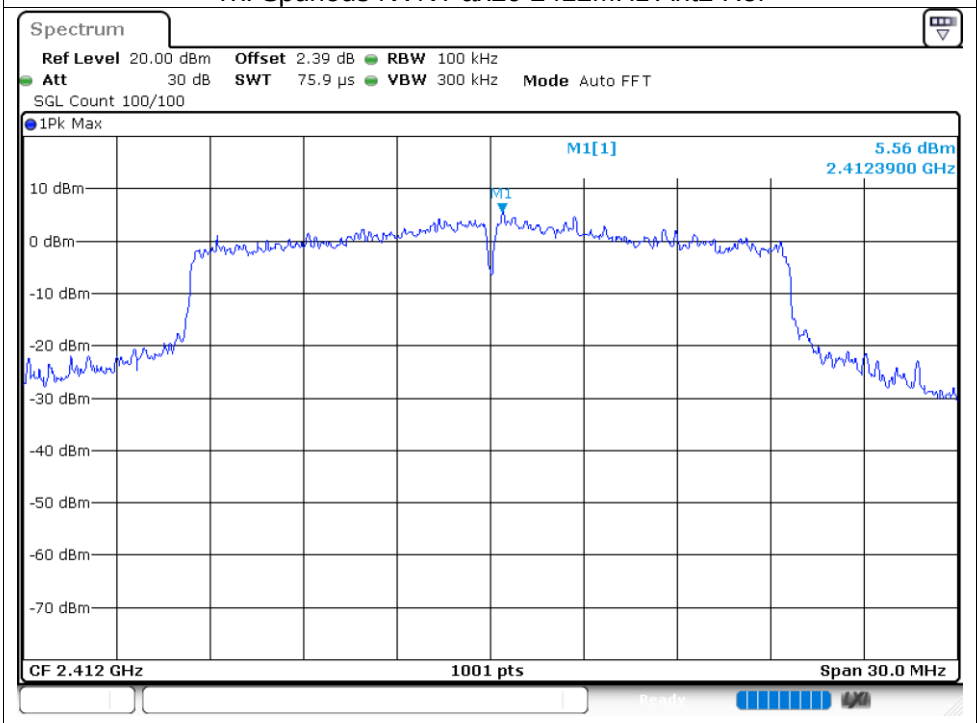
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



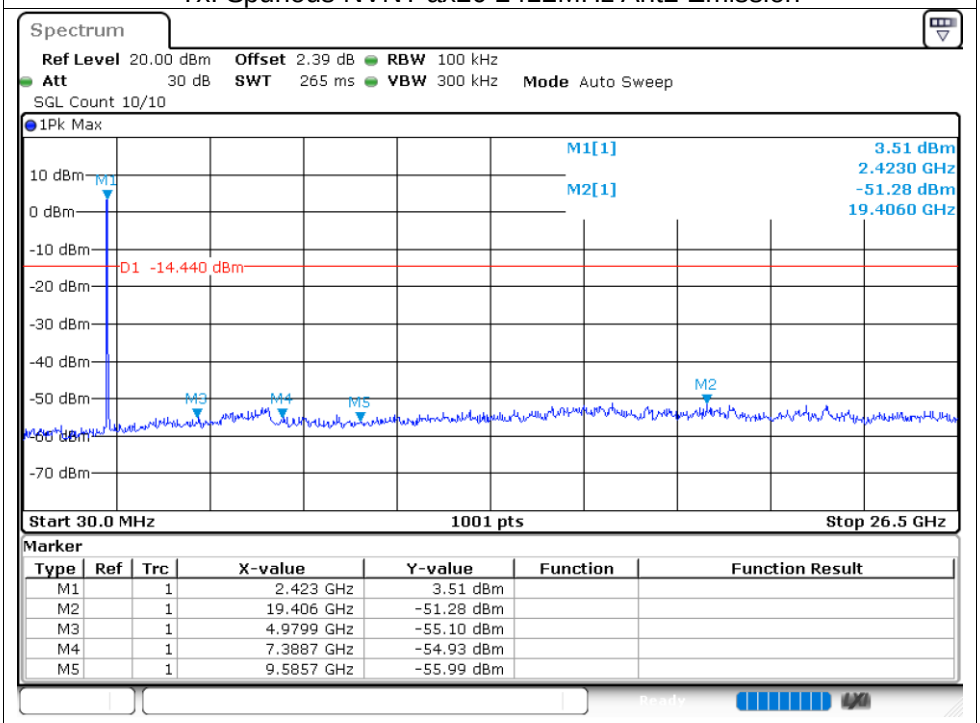
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	4.45 dBm		
M2		1	22.1854 GHz	-50.87 dBm		
M3		1	4.7946 GHz	-54.45 dBm		
M4		1	7.2828 GHz	-53.12 dBm		
M5		1	9.5327 GHz	-55.43 dBm		

Tx. Spurious NVNT ax20 2412MHz Ant2 Ref



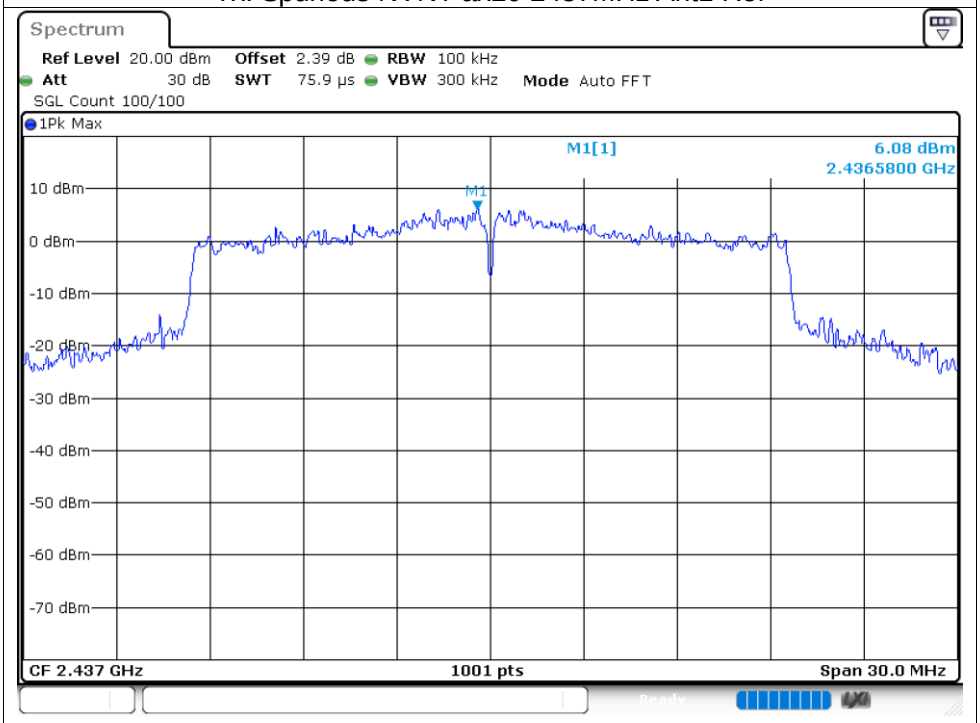
Tx. Spurious NVNT ax20 2412MHz Ant2 Emission



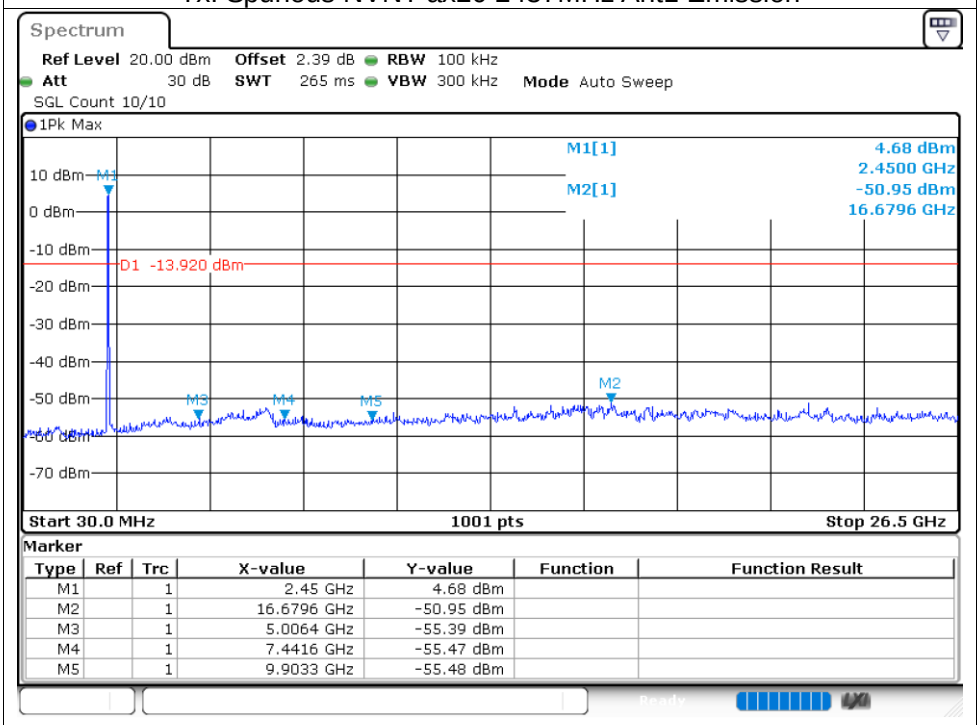
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	3.51 dBm		
M2		1	19.406 GHz	-51.28 dBm		
M3		1	4.9799 GHz	-55.10 dBm		
M4		1	7.3887 GHz	-54.93 dBm		
M5		1	9.5857 GHz	-55.99 dBm		

Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



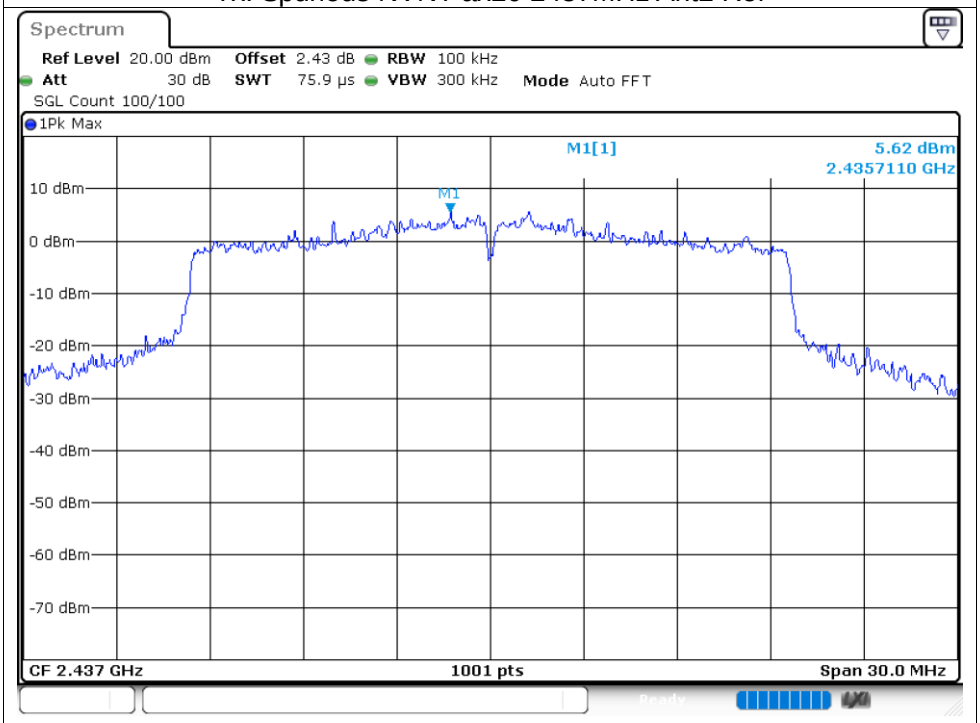
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



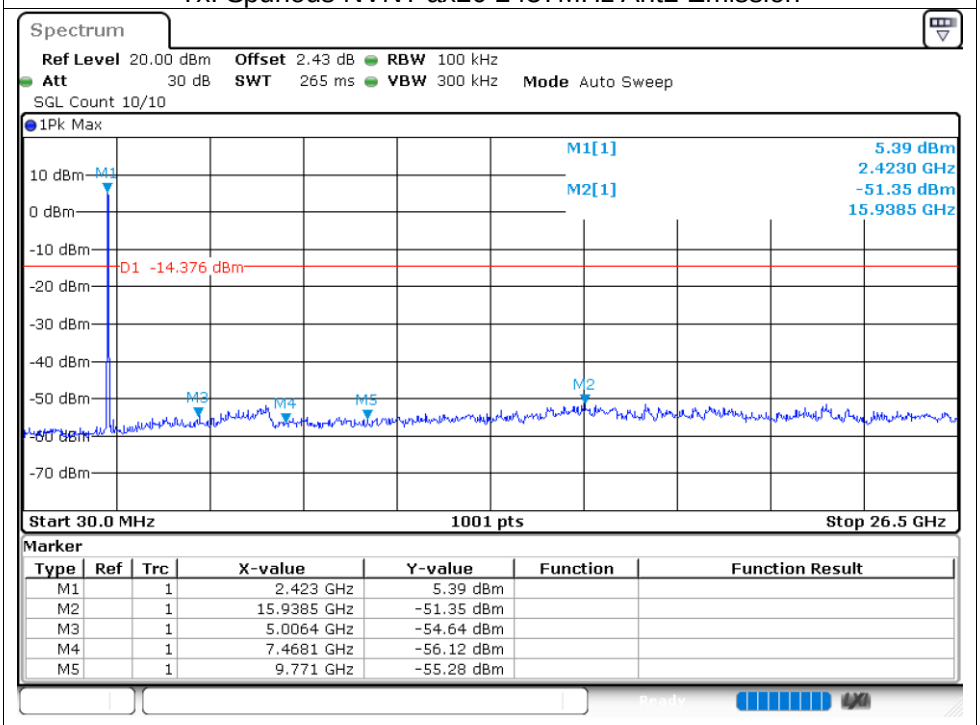
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	4.68 dBm		
M2		1	16.6796 GHz	-50.95 dBm		
M3		1	5.0064 GHz	-55.39 dBm		
M4		1	7.4416 GHz	-55.47 dBm		
M5		1	9.9033 GHz	-55.48 dBm		

Tx. Spurious NVNT ax20 2437MHz Ant2 Ref



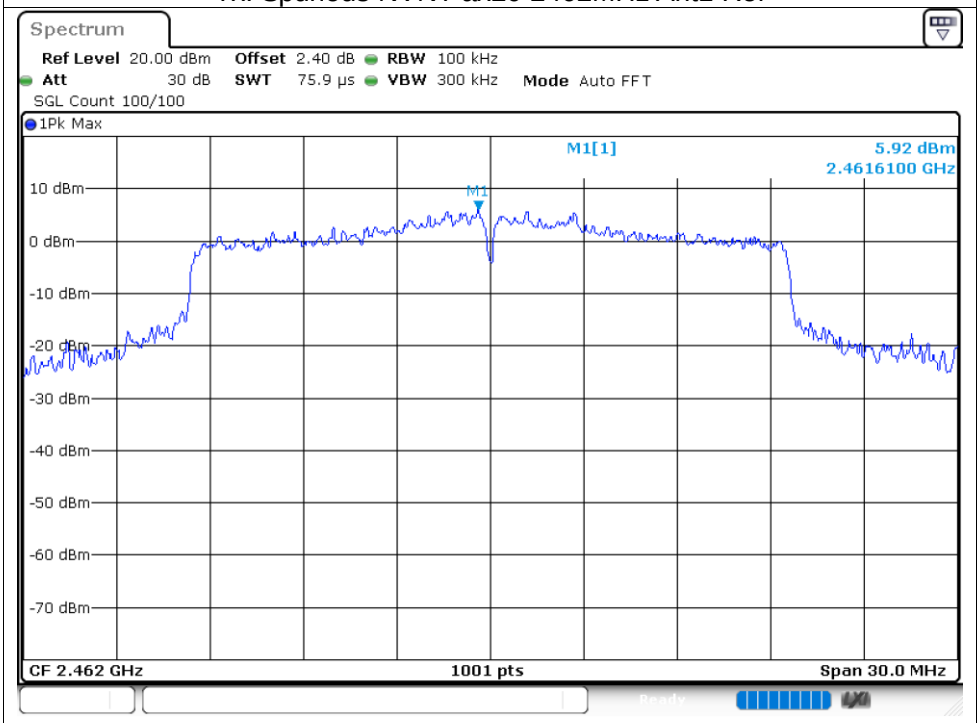
Tx. Spurious NVNT ax20 2437MHz Ant2 Emission



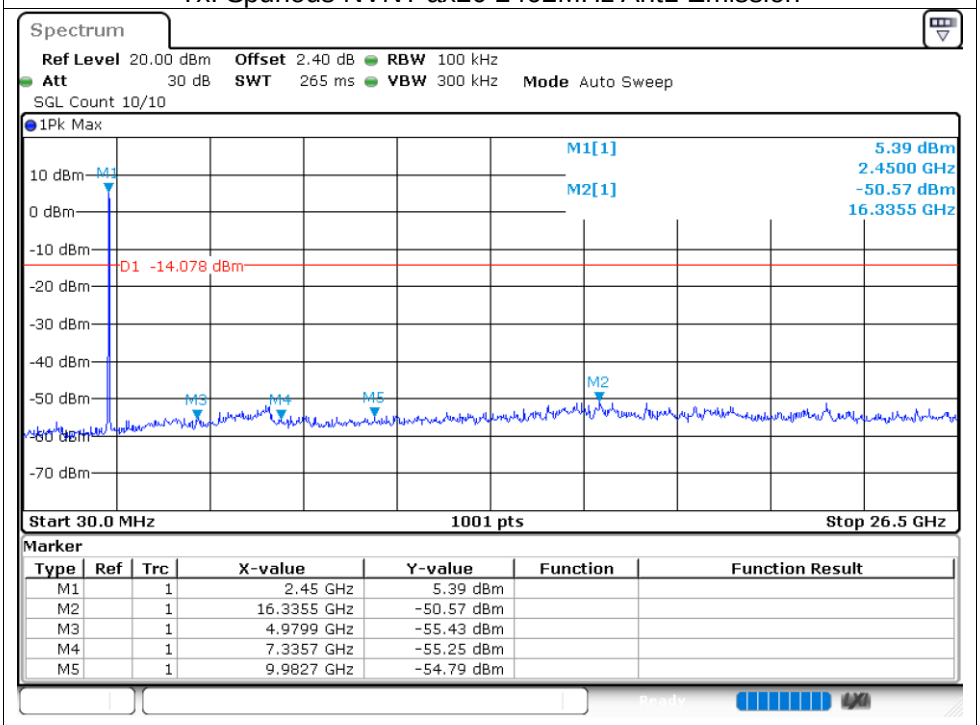
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	5.39 dBm		
M2		1	15.9385 GHz	-51.35 dBm		
M3		1	5.0064 GHz	-54.64 dBm		
M4		1	7.4681 GHz	-56.12 dBm		
M5		1	9.771 GHz	-55.28 dBm		

Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



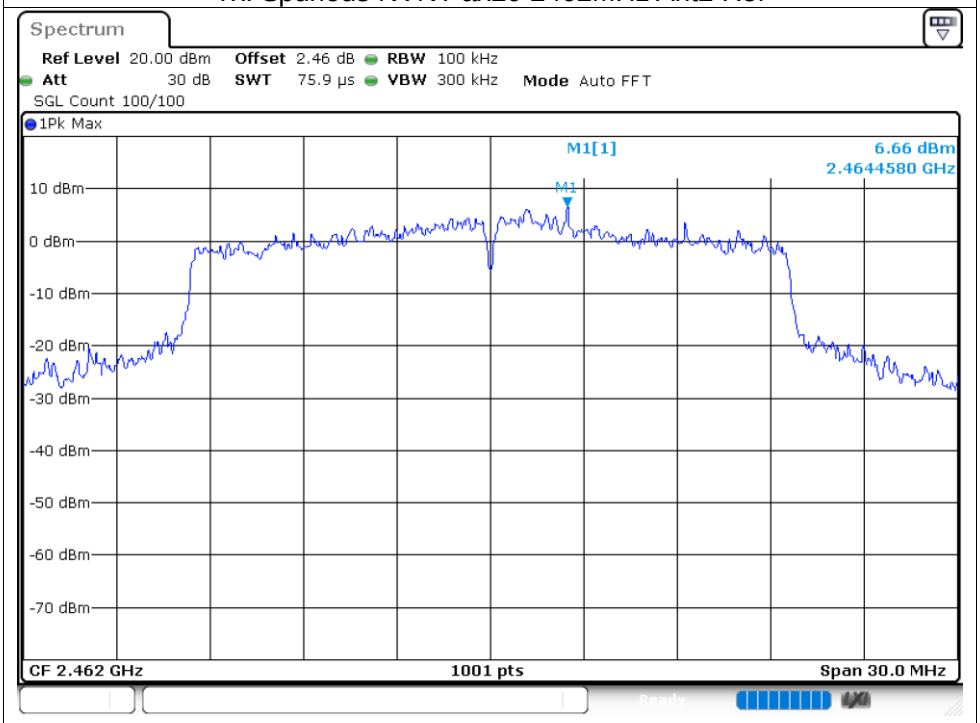
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



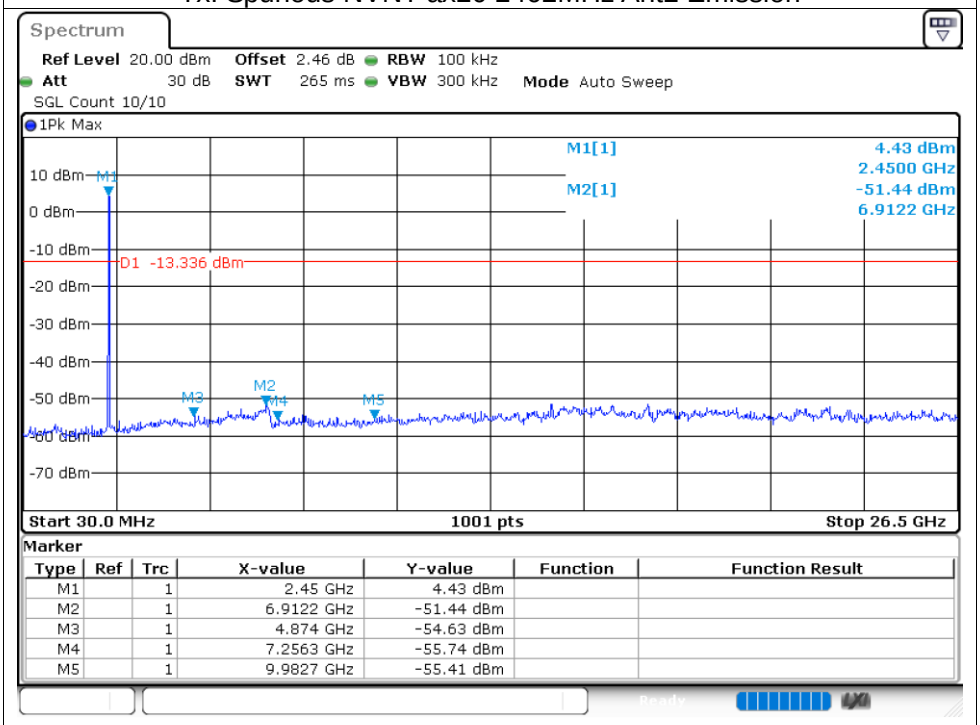
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	5.39 dBm		
M2		1	16.3355 GHz	-50.57 dBm		
M3		1	4.9799 GHz	-55.43 dBm		
M4		1	7.3357 GHz	-55.25 dBm		
M5		1	9.9827 GHz	-54.79 dBm		

Tx. Spurious NVNT ax20 2462MHz Ant2 Ref



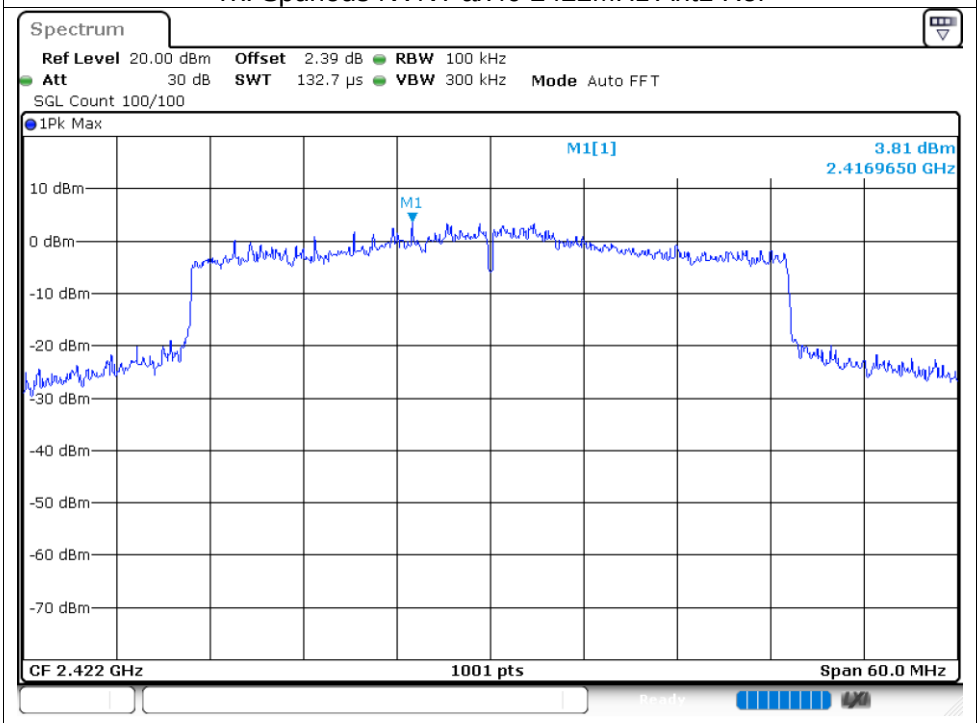
Tx. Spurious NVNT ax20 2462MHz Ant2 Emission



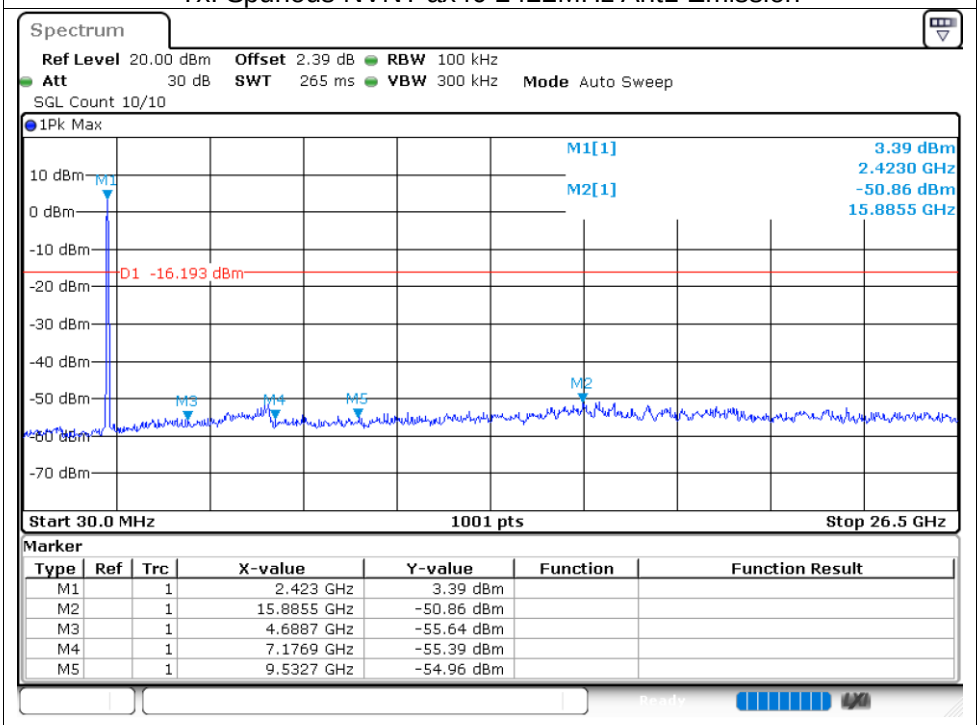
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	4.43 dBm		
M2		1	6.9122 GHz	-51.44 dBm		
M3		1	4.874 GHz	-54.63 dBm		
M4		1	7.2563 GHz	-55.74 dBm		
M5		1	9.9827 GHz	-55.41 dBm		

Tx. Spurious NVNT ax40 2422MHz Ant1 Ref



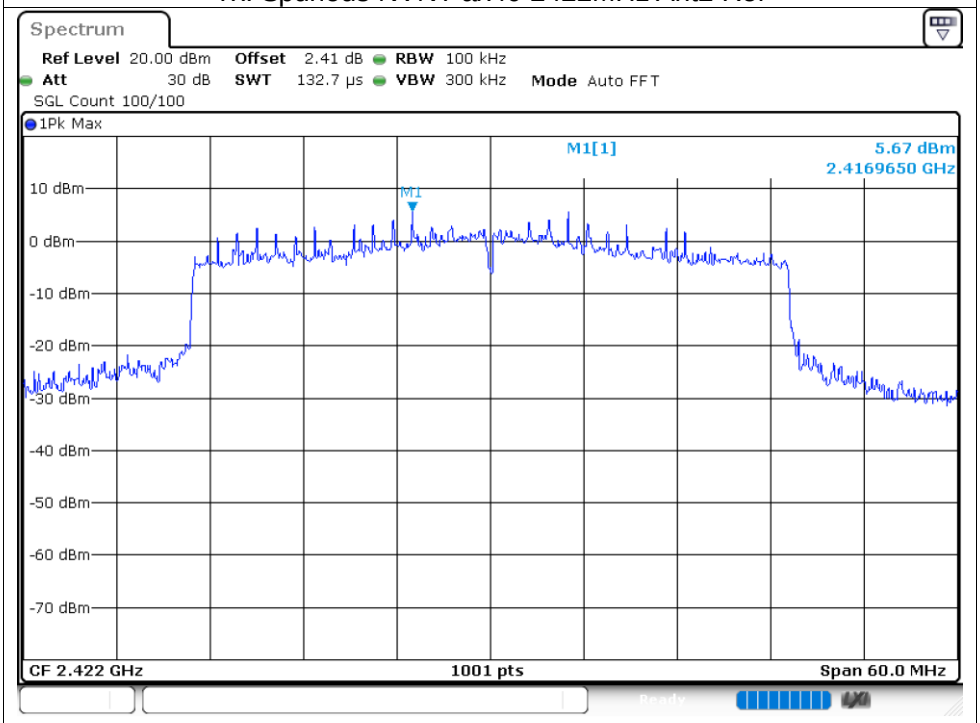
Tx. Spurious NVNT ax40 2422MHz Ant1 Emission



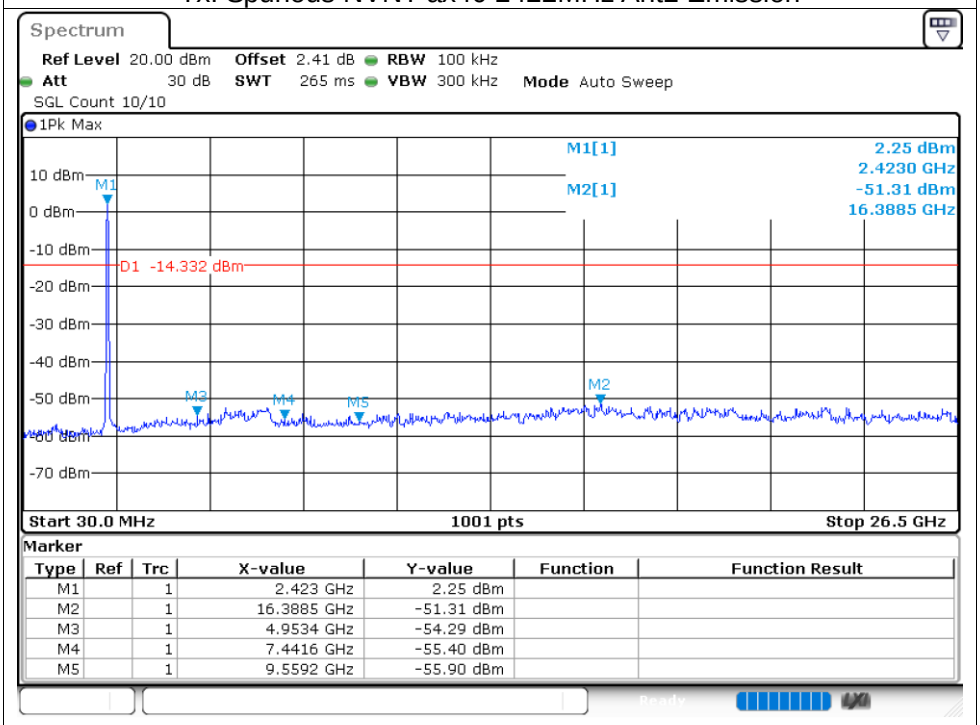
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	3.39 dBm		
M2		1	15.8855 GHz	-50.86 dBm		
M3		1	4.6887 GHz	-55.64 dBm		
M4		1	7.1769 GHz	-55.39 dBm		
M5		1	9.5327 GHz	-54.96 dBm		

Tx. Spurious NVNT ax40 2422MHz Ant2 Ref



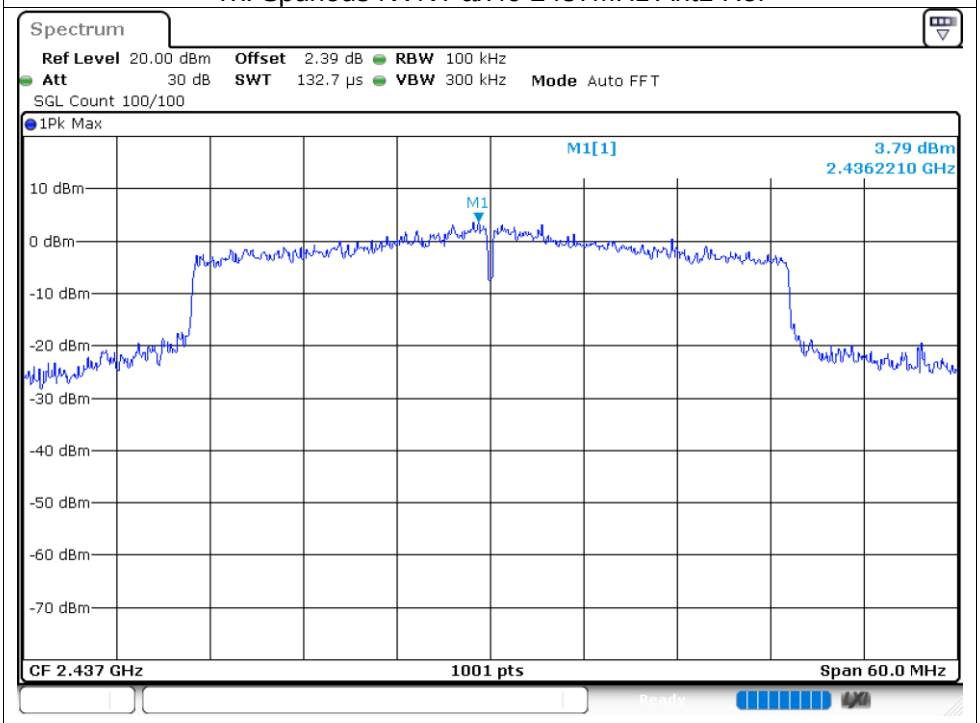
Tx. Spurious NVNT ax40 2422MHz Ant2 Emission



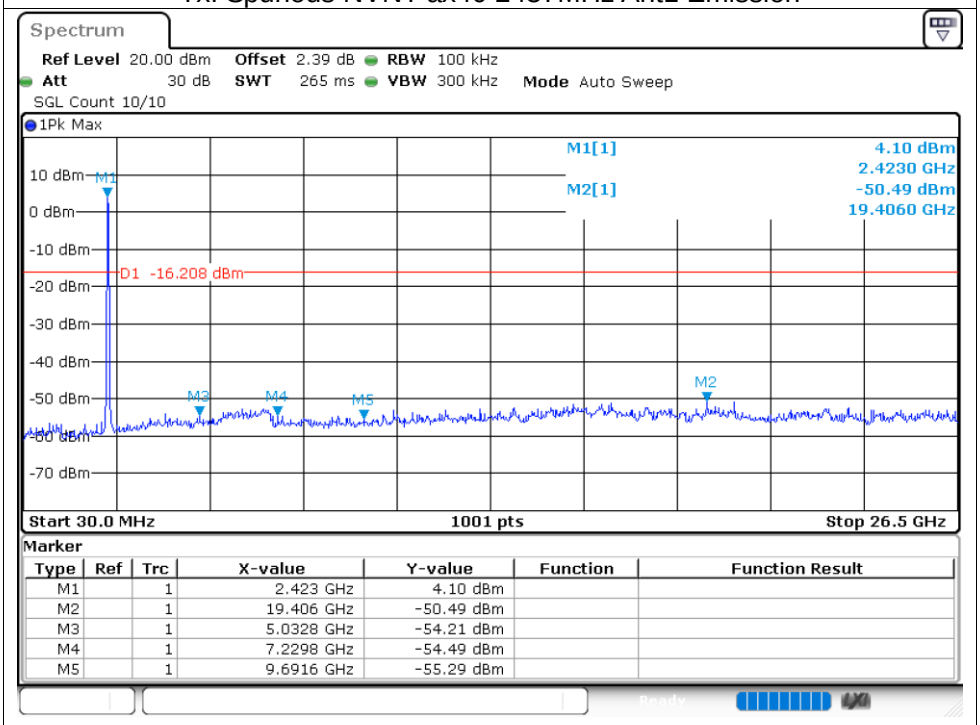
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	2.25 dBm		
M2		1	16.3885 GHz	-51.31 dBm		
M3		1	4.9534 GHz	-54.29 dBm		
M4		1	7.4416 GHz	-55.40 dBm		
M5		1	9.5592 GHz	-55.90 dBm		

Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



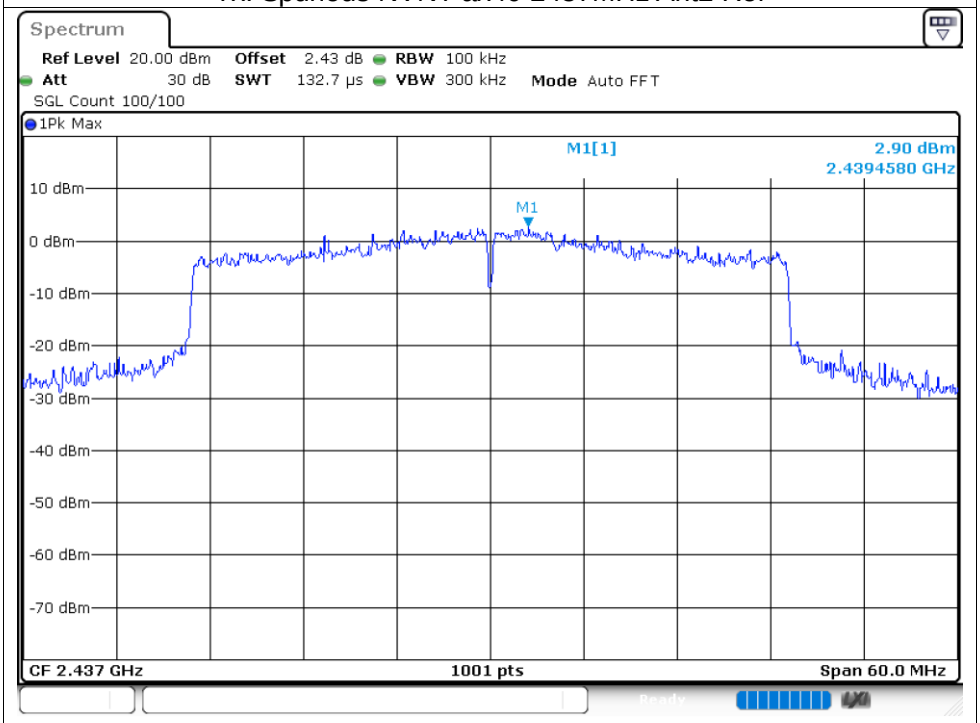
Tx. Spurious NVNT ax40 2437MHz Ant1 Emission



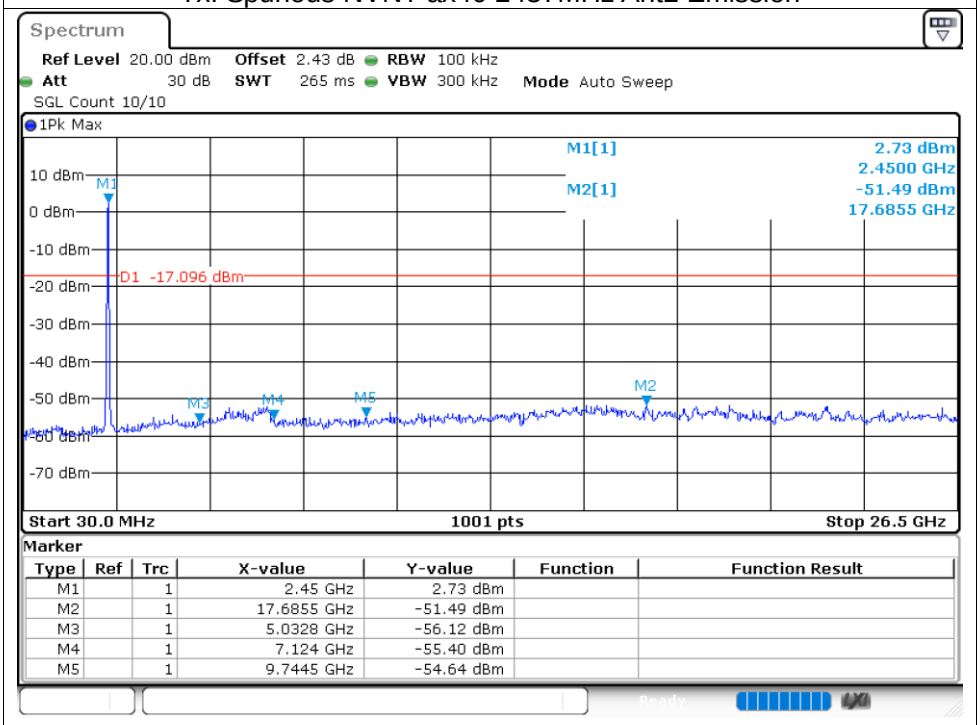
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	4.10 dBm		
M2		1	19.406 GHz	-50.49 dBm		
M3		1	5.0328 GHz	-54.21 dBm		
M4		1	7.2298 GHz	-54.49 dBm		
M5		1	9.6916 GHz	-55.29 dBm		

Tx. Spurious NVNT ax40 2437MHz Ant2 Ref



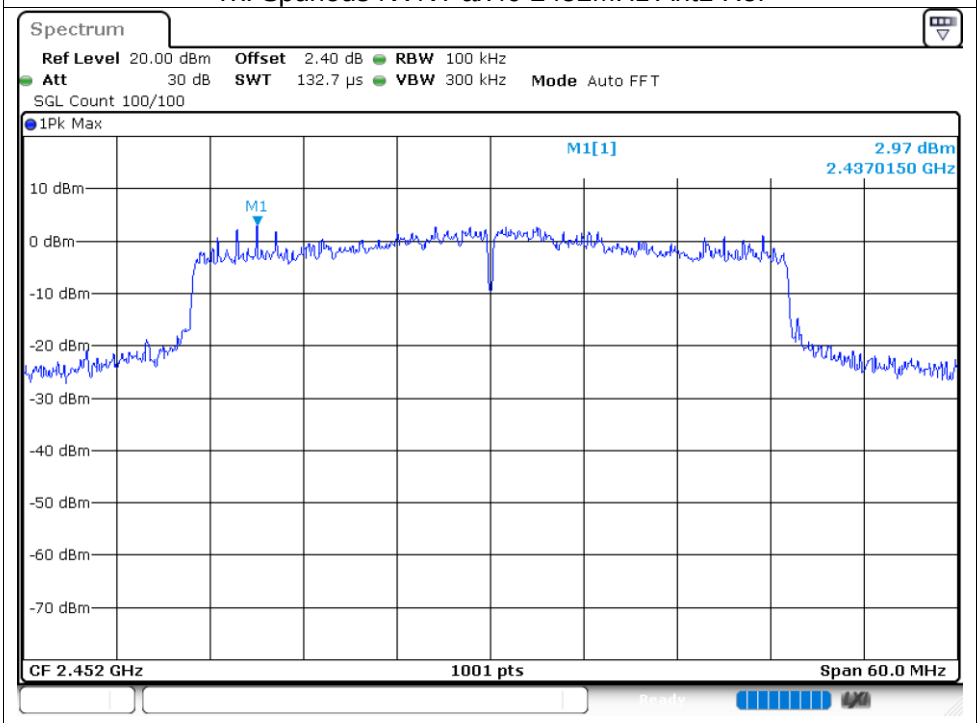
Tx. Spurious NVNT ax40 2437MHz Ant2 Emission



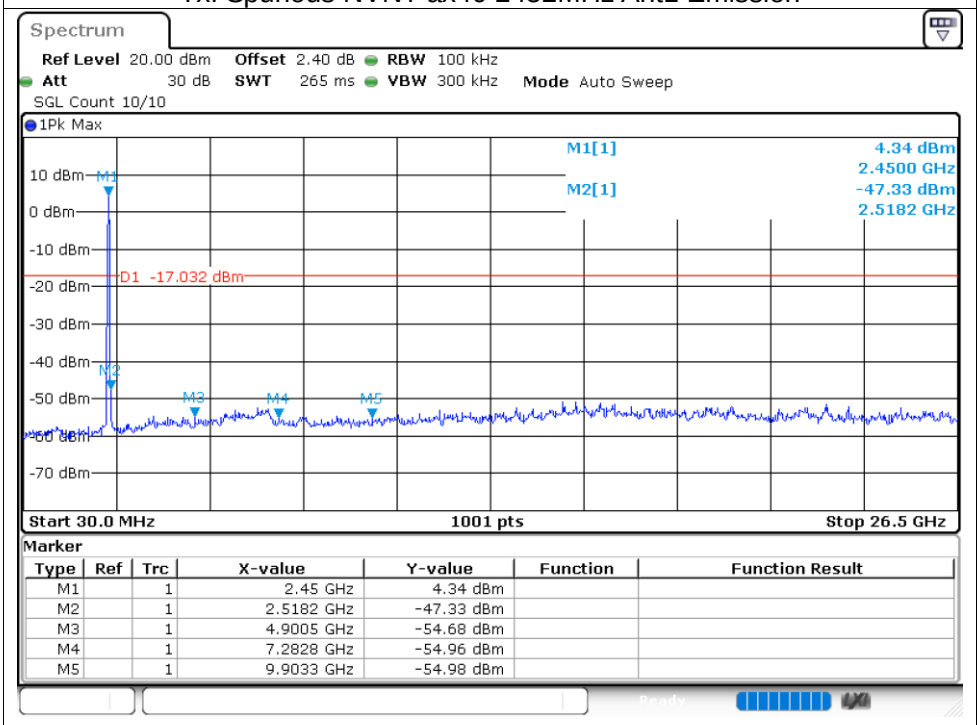
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	2.73 dBm		
M2		1	17.6855 GHz	-51.49 dBm		
M3		1	5.0328 GHz	-56.12 dBm		
M4		1	7.124 GHz	-55.40 dBm		
M5		1	9.7445 GHz	-54.64 dBm		

Tx. Spurious NVNT ax40 2452MHz Ant1 Ref



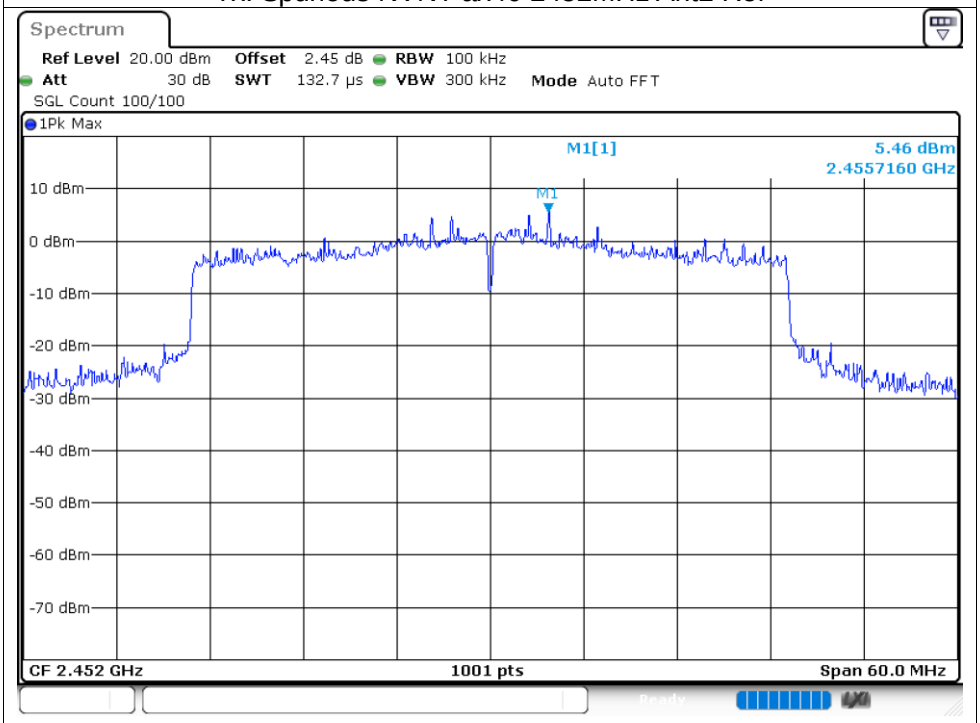
Tx. Spurious NVNT ax40 2452MHz Ant1 Emission



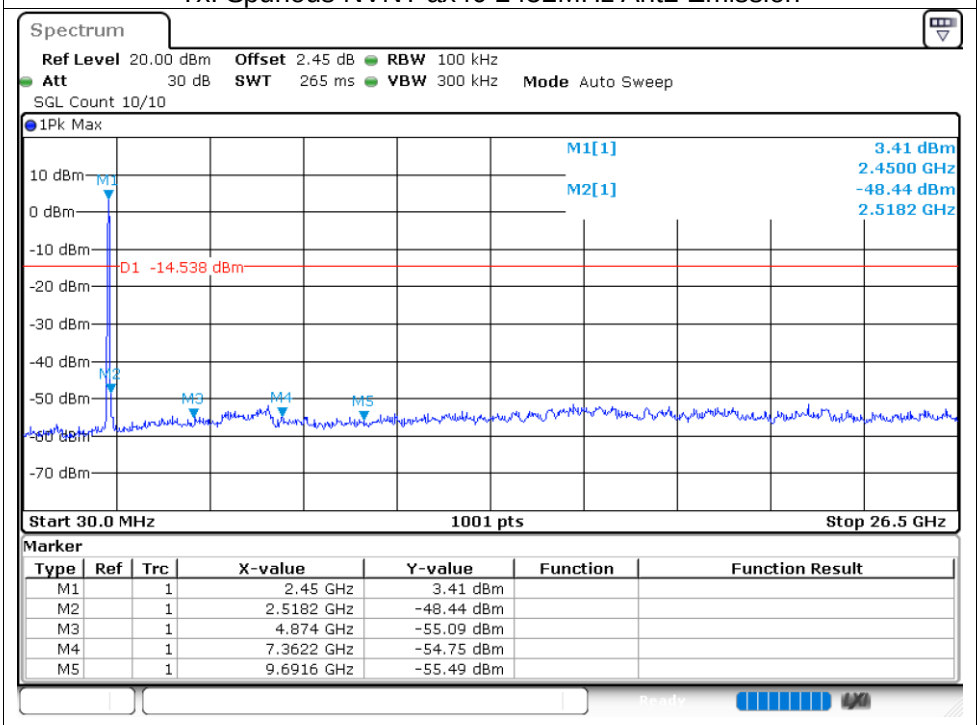
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	4.34 dBm		
M2		1	2.5182 GHz	-47.33 dBm		
M3		1	4.9005 GHz	-54.68 dBm		
M4		1	7.2828 GHz	-54.96 dBm		
M5		1	9.9033 GHz	-54.98 dBm		

Tx. Spurious NVNT ax40 2452MHz Ant2 Ref



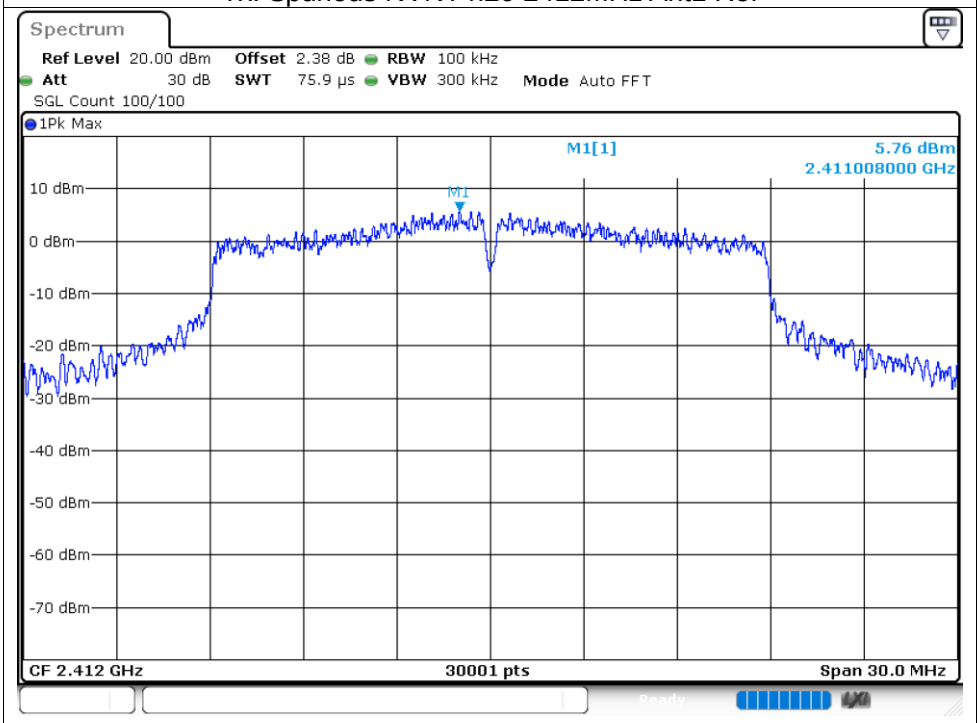
Tx. Spurious NVNT ax40 2452MHz Ant2 Emission



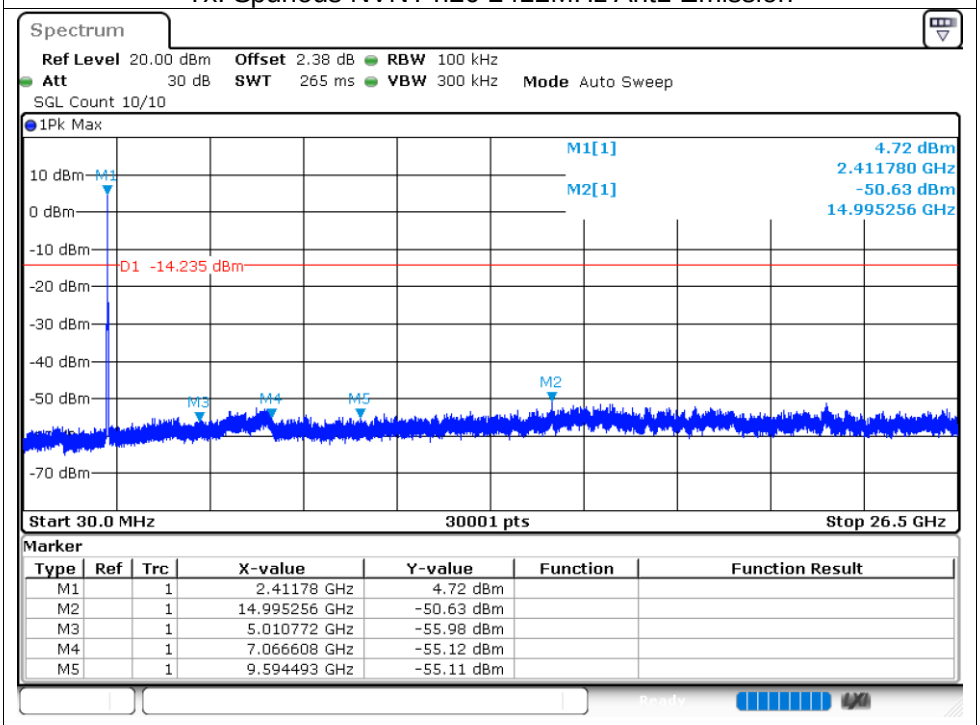
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	3.41 dBm		
M2		1	2.5182 GHz	-48.44 dBm		
M3		1	4.874 GHz	-55.09 dBm		
M4		1	7.3622 GHz	-54.75 dBm		
M5		1	9.6916 GHz	-55.49 dBm		

Tx. Spurious NVNT n20 2412MHz Ant1 Ref



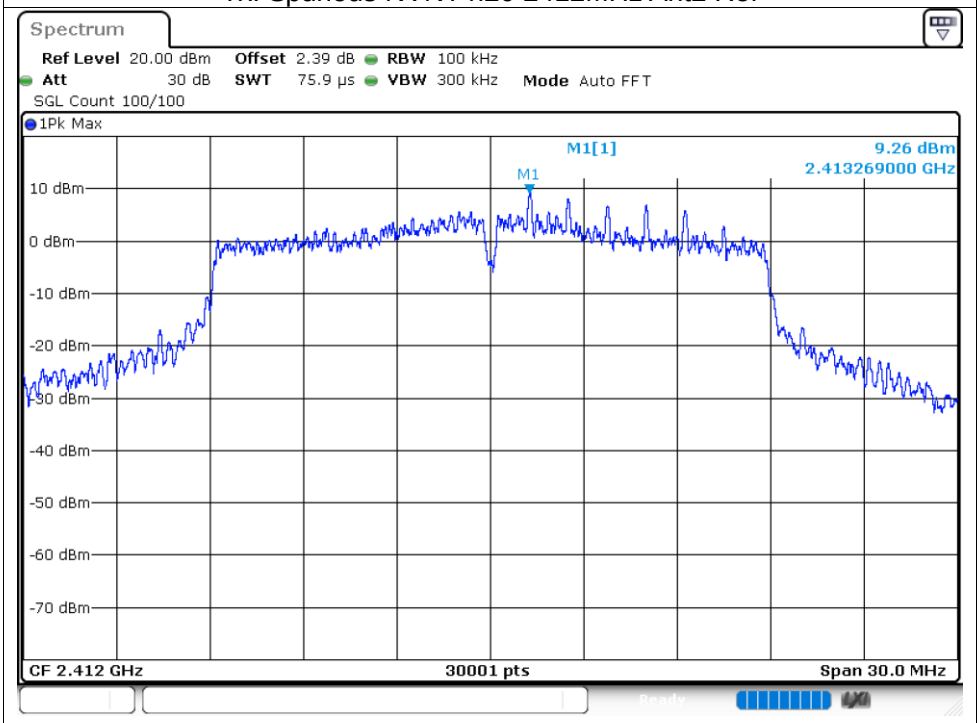
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



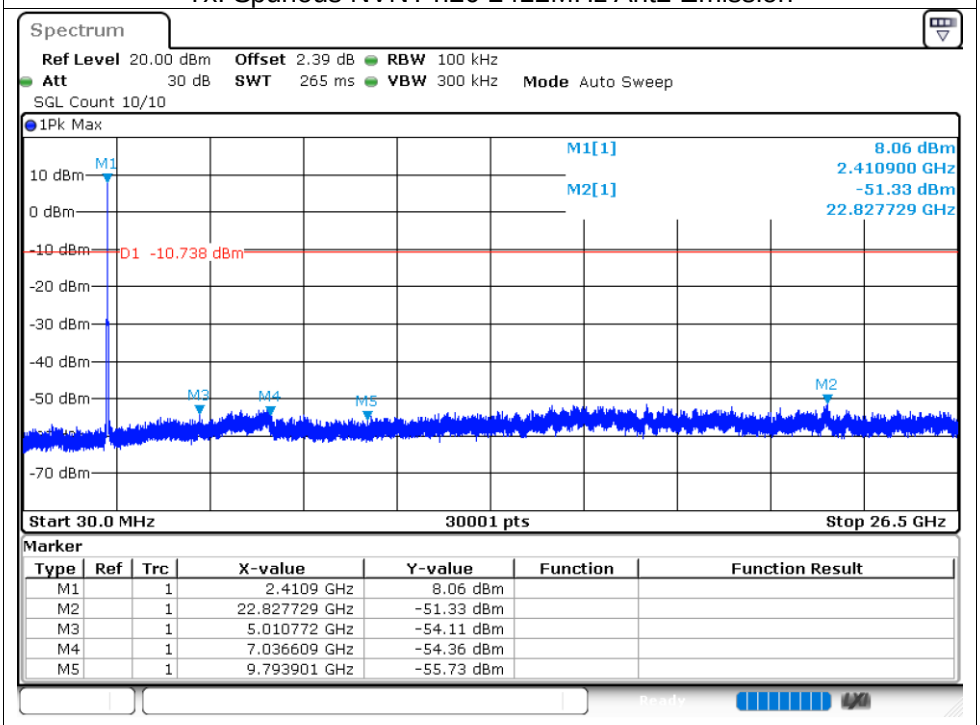
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41178 GHz	4.72 dBm		
M2		1	14.995256 GHz	-50.63 dBm		
M3		1	5.010772 GHz	-55.98 dBm		
M4		1	7.066608 GHz	-55.12 dBm		
M5		1	9.594493 GHz	-55.11 dBm		

Tx. Spurious NVNT n20 2412MHz Ant2 Ref



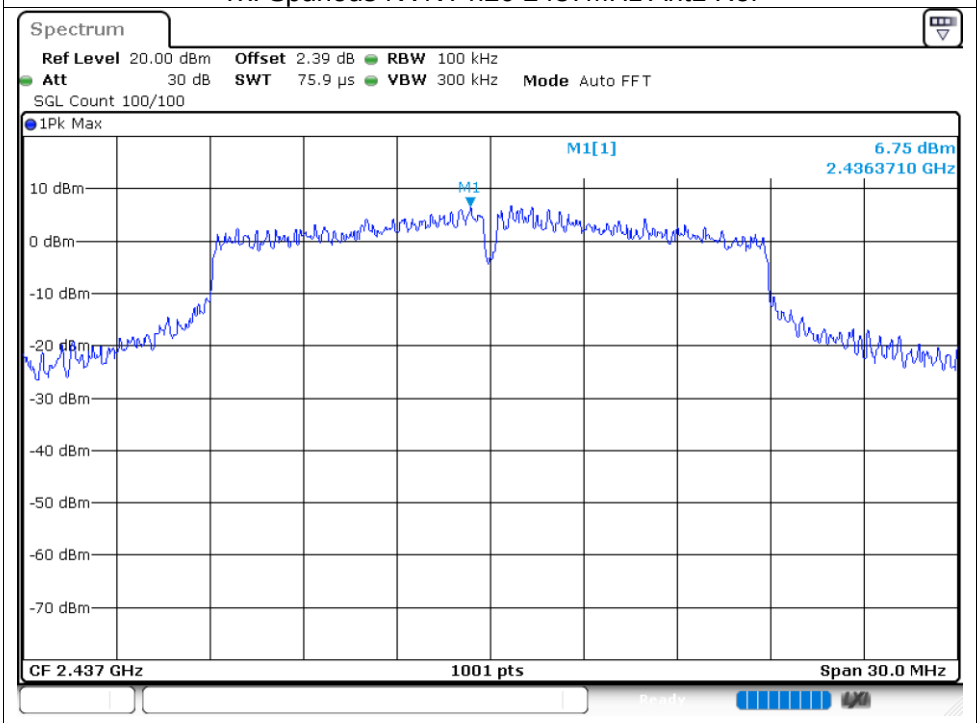
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



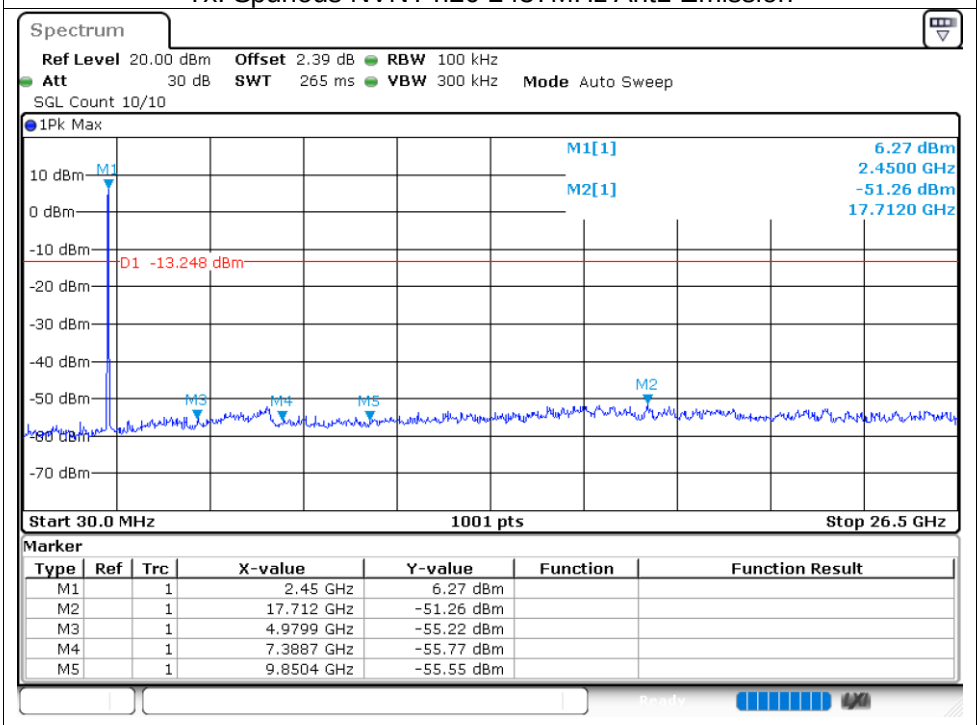
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4109 GHz	8.06 dBm		
M2		1	22.827729 GHz	-51.33 dBm		
M3		1	5.010772 GHz	-54.11 dBm		
M4		1	7.036609 GHz	-54.36 dBm		
M5		1	9.793901 GHz	-55.73 dBm		

Tx. Spurious NVNT n20 2437MHz Ant1 Ref



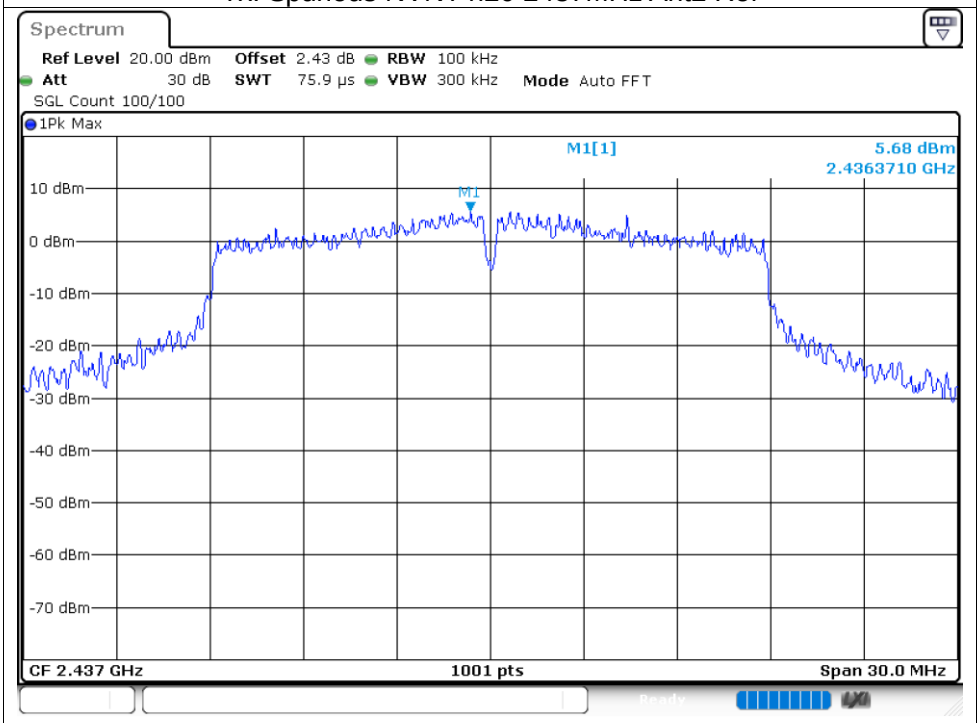
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



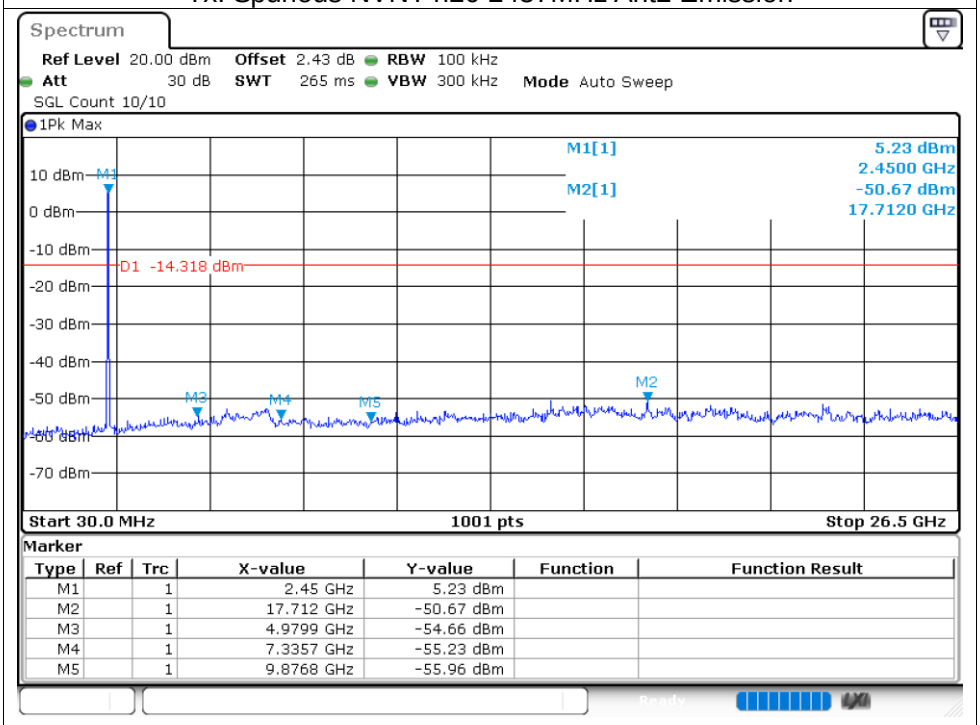
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	6.27 dBm		
M2		1	17.712 GHz	-51.26 dBm		
M3		1	4.9799 GHz	-55.22 dBm		
M4		1	7.3887 GHz	-55.77 dBm		
M5		1	9.8504 GHz	-55.55 dBm		

Tx. Spurious NVNT n20 2437MHz Ant2 Ref



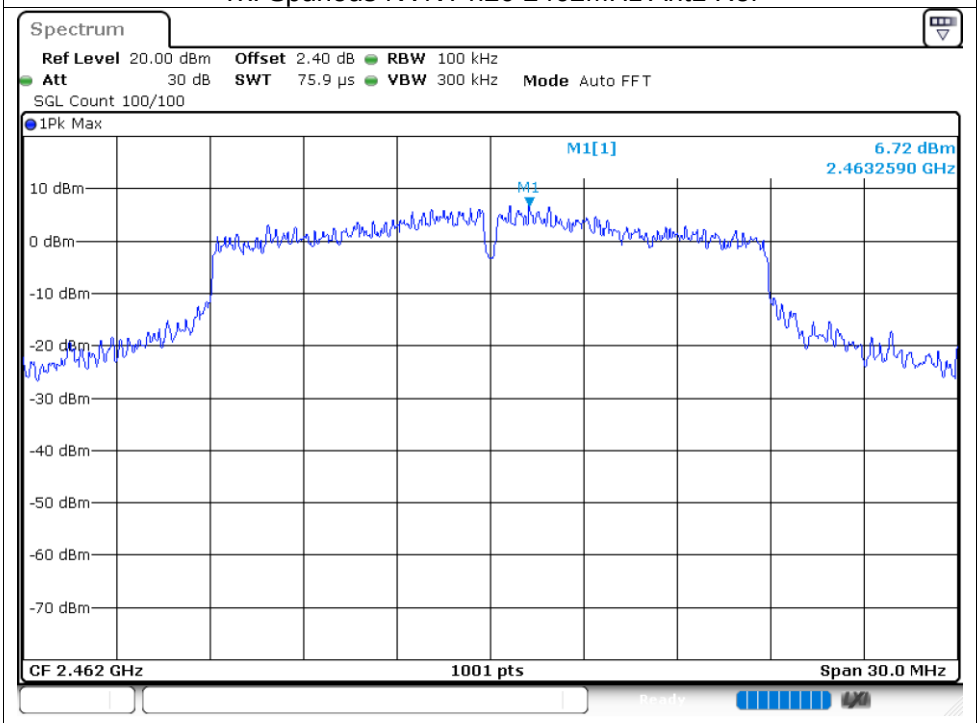
Tx. Spurious NVNT n20 2437MHz Ant2 Emission



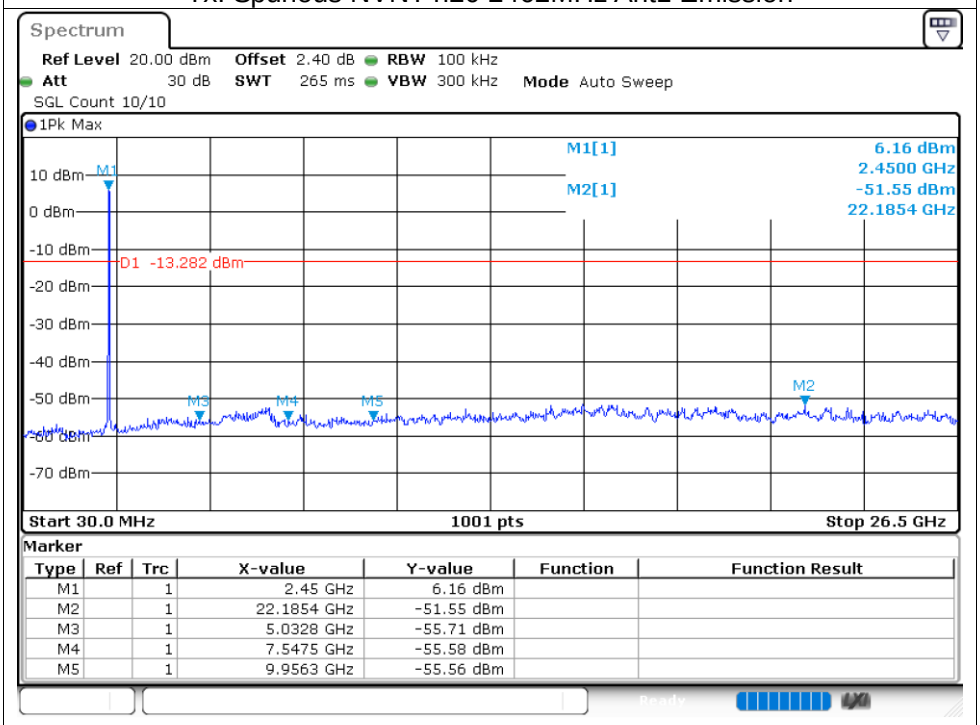
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	5.23 dBm		
M2		1	17.712 GHz	-50.67 dBm		
M3		1	4.9799 GHz	-54.66 dBm		
M4		1	7.3357 GHz	-55.23 dBm		
M5		1	9.8768 GHz	-55.96 dBm		

Tx. Spurious NVNT n20 2462MHz Ant1 Ref



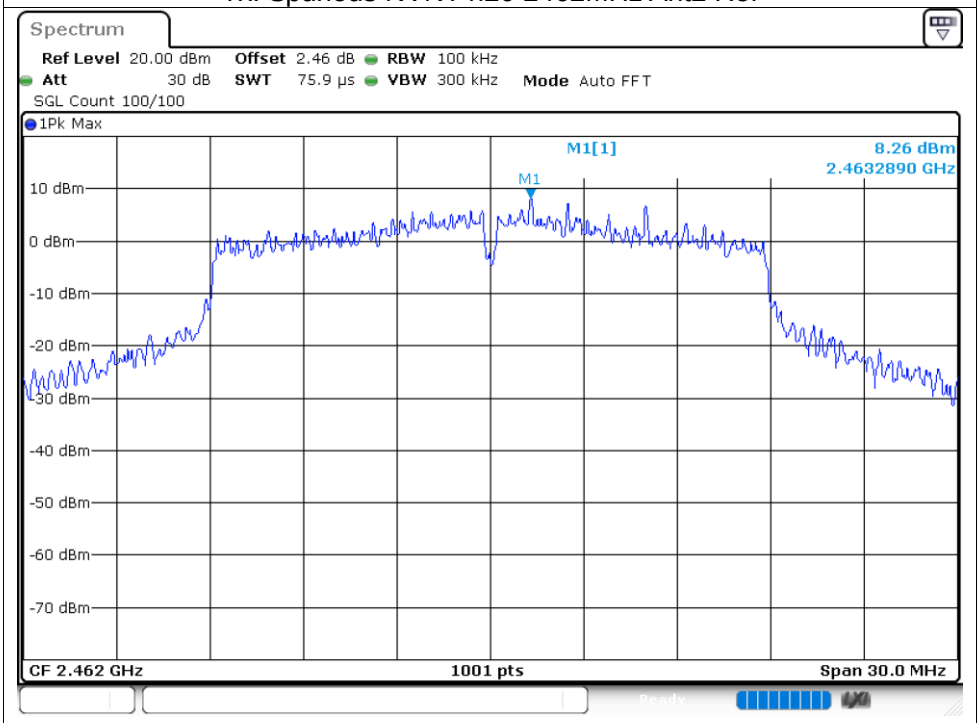
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



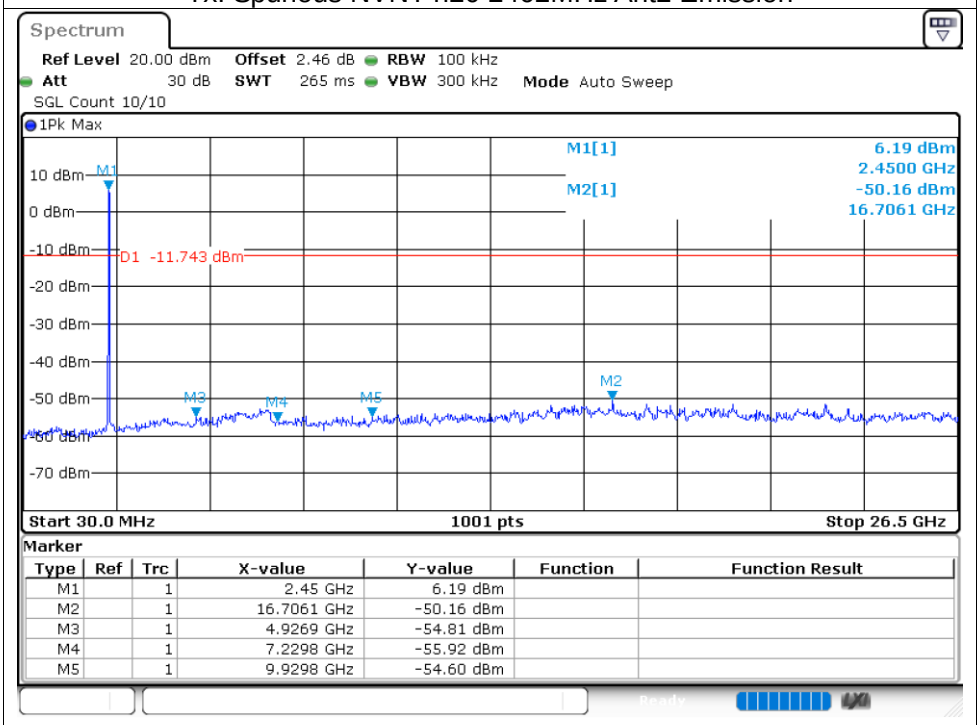
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	6.16 dBm		
M2		1	22.1854 GHz	-51.55 dBm		
M3		1	5.0328 GHz	-55.71 dBm		
M4		1	7.5475 GHz	-55.58 dBm		
M5		1	9.9563 GHz	-55.56 dBm		

Tx. Spurious NVNT n20 2462MHz Ant2 Ref



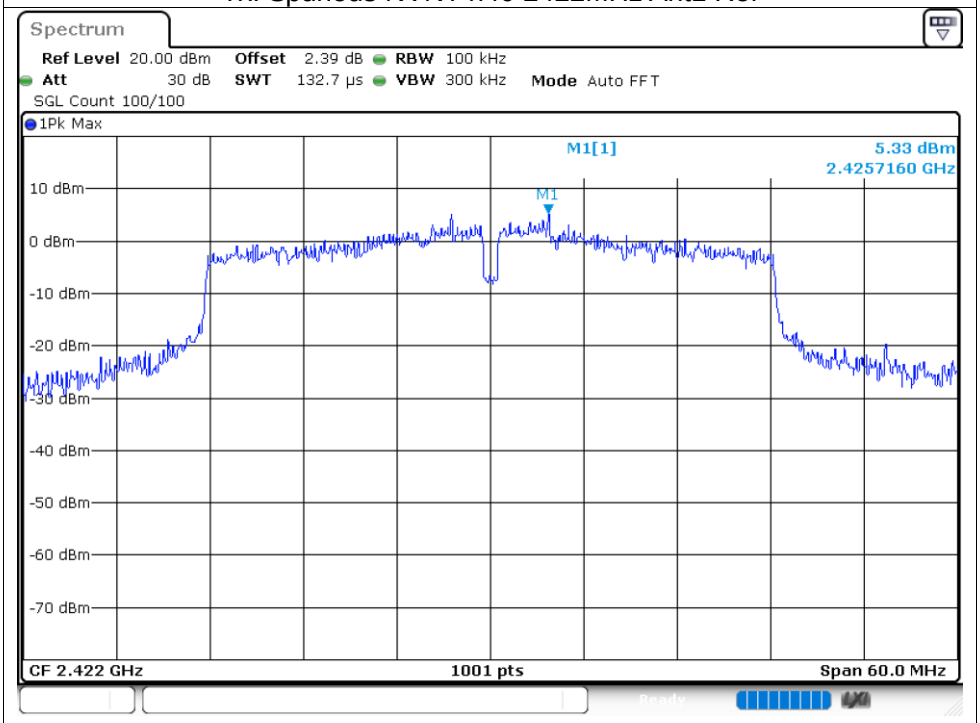
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



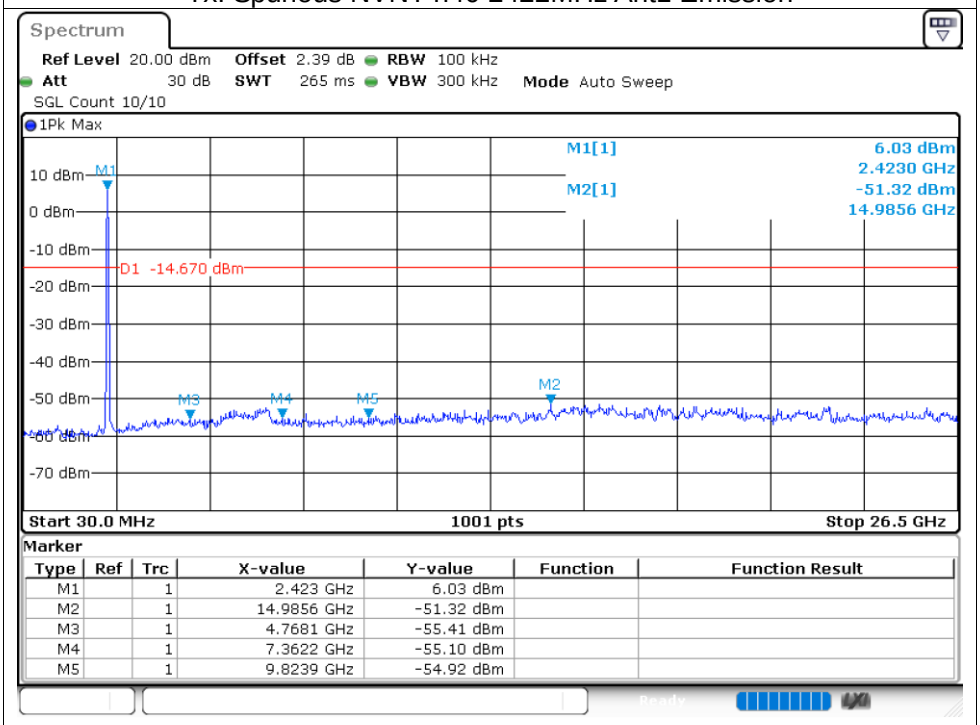
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	6.19 dBm		
M2		1	16.7061 GHz	-50.16 dBm		
M3		1	4.9269 GHz	-54.81 dBm		
M4		1	7.2298 GHz	-55.92 dBm		
M5		1	9.9298 GHz	-54.60 dBm		

Tx. Spurious NVNT n40 2422MHz Ant1 Ref



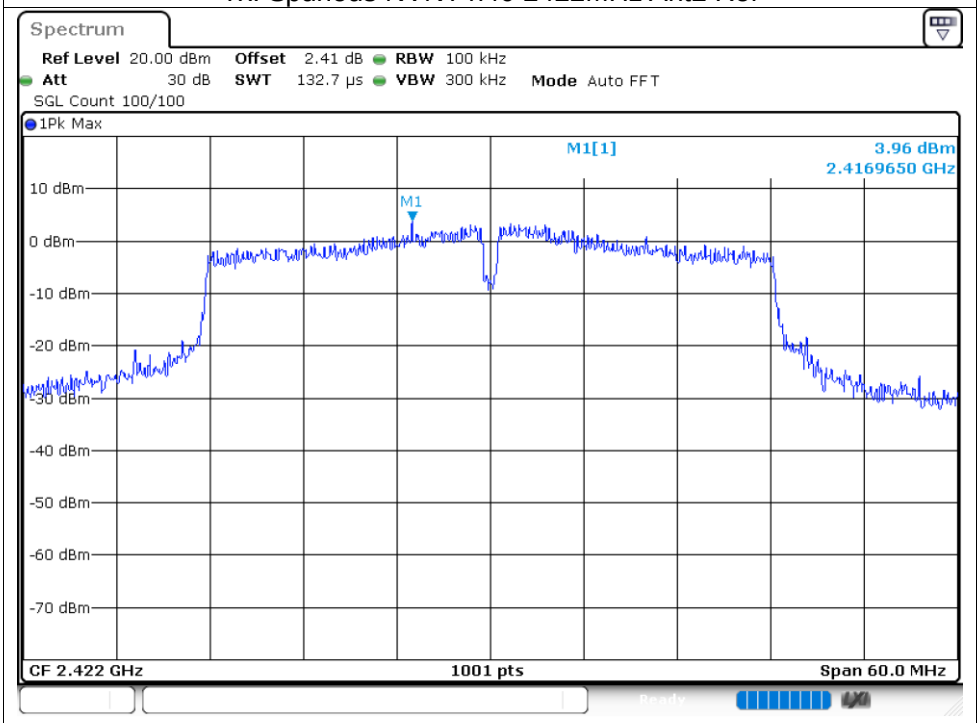
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



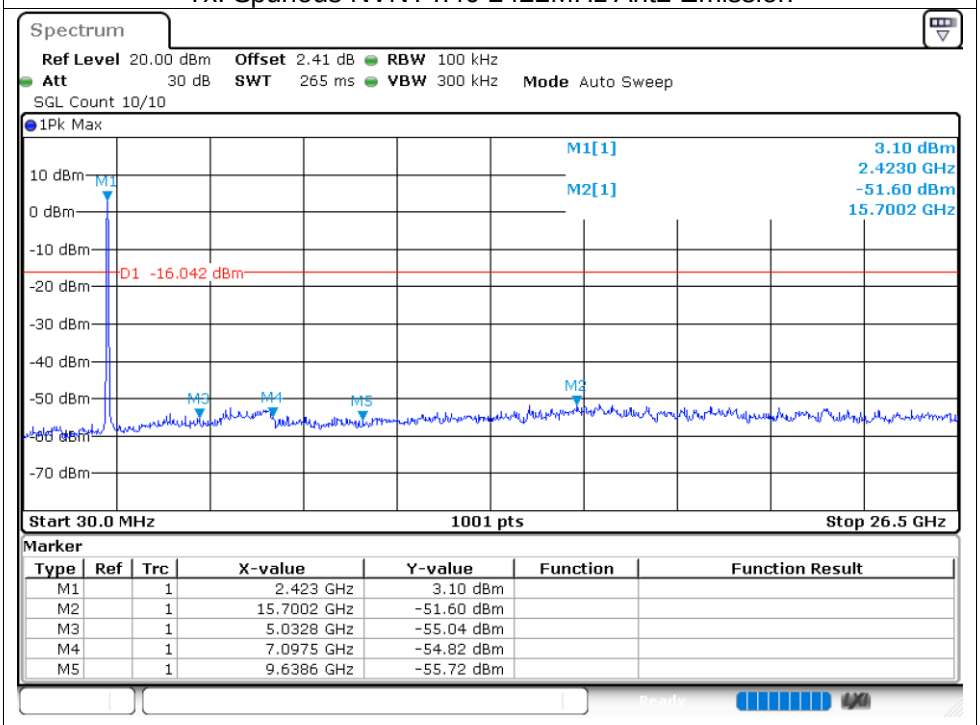
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	6.03 dBm		
M2		1	14.9856 GHz	-51.32 dBm		
M3		1	4.7681 GHz	-55.41 dBm		
M4		1	7.3622 GHz	-55.10 dBm		
M5		1	9.8239 GHz	-54.92 dBm		

Tx. Spurious NVNT n40 2422MHz Ant2 Ref



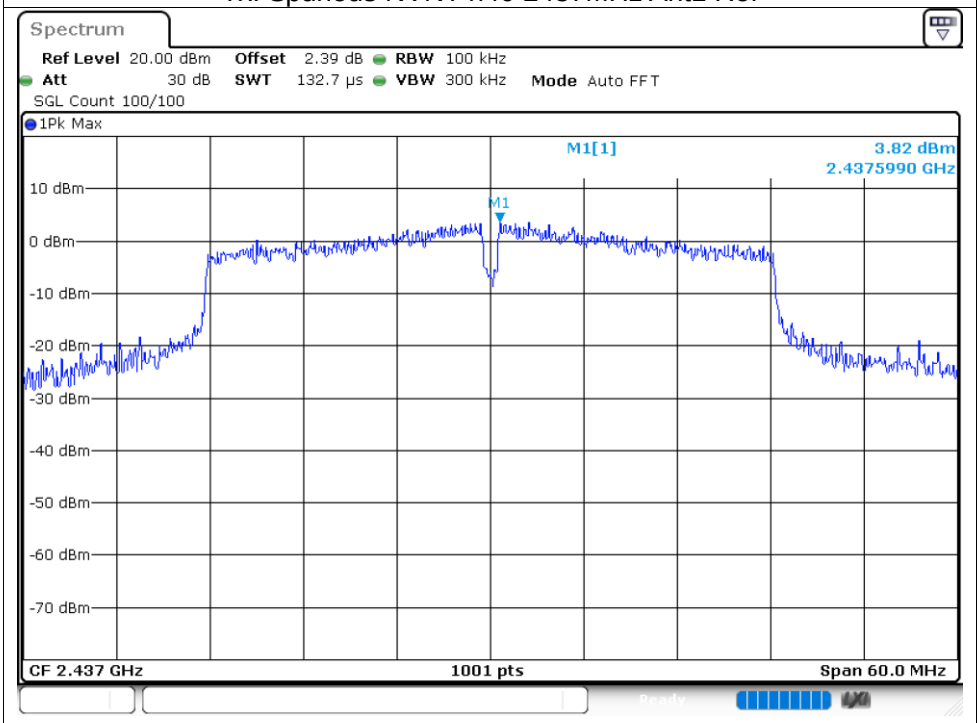
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



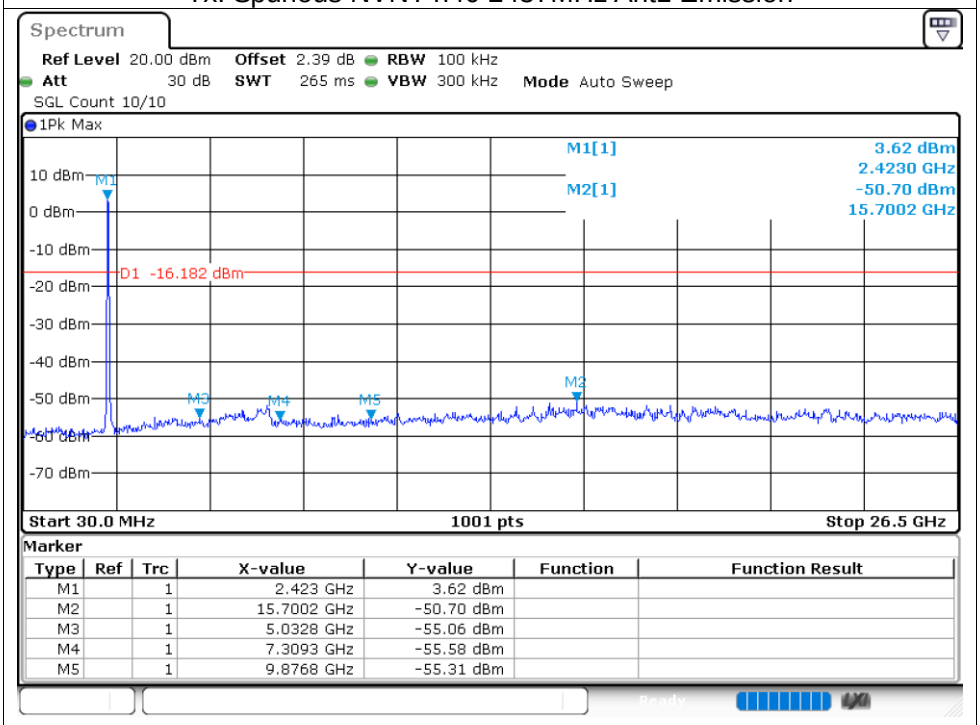
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	3.10 dBm		
M2		1	15.7002 GHz	-51.60 dBm		
M3		1	5.0328 GHz	-55.04 dBm		
M4		1	7.0975 GHz	-54.82 dBm		
M5		1	9.6386 GHz	-55.72 dBm		

Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	3.62 dBm		
M2		1	15.7002 GHz	-50.70 dBm		
M3		1	5.0328 GHz	-55.06 dBm		
M4		1	7.3093 GHz	-55.58 dBm		
M5		1	9.8768 GHz	-55.31 dBm		