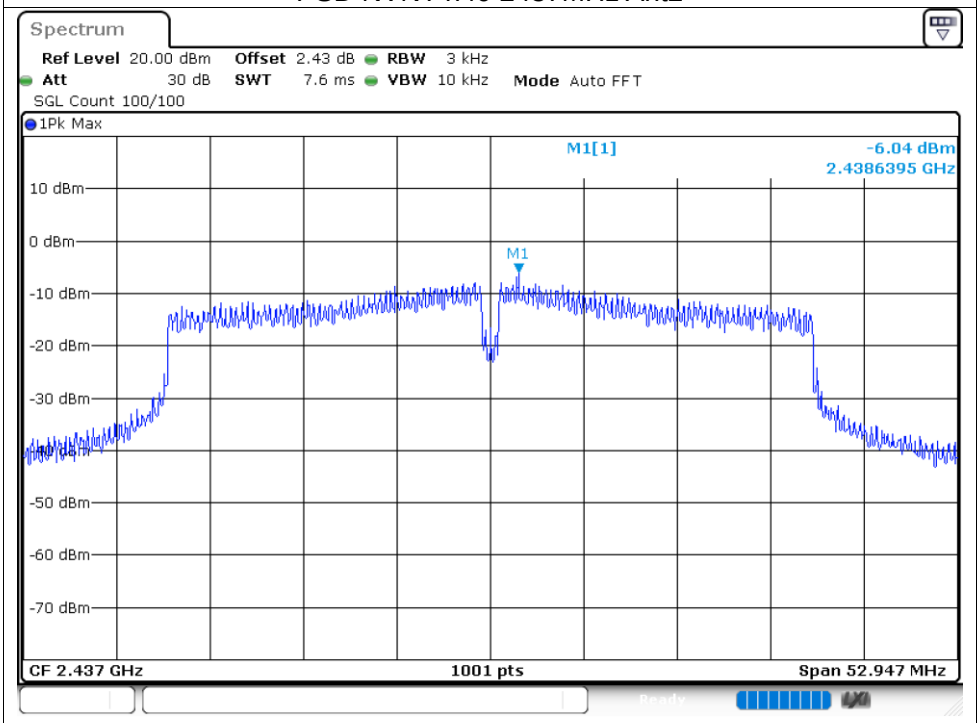
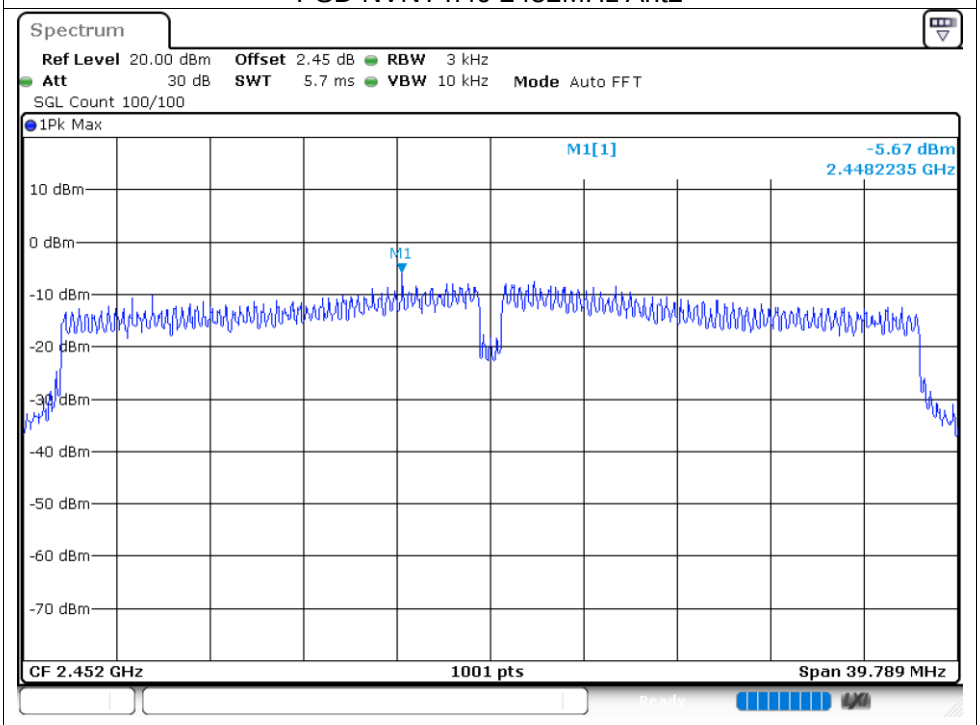
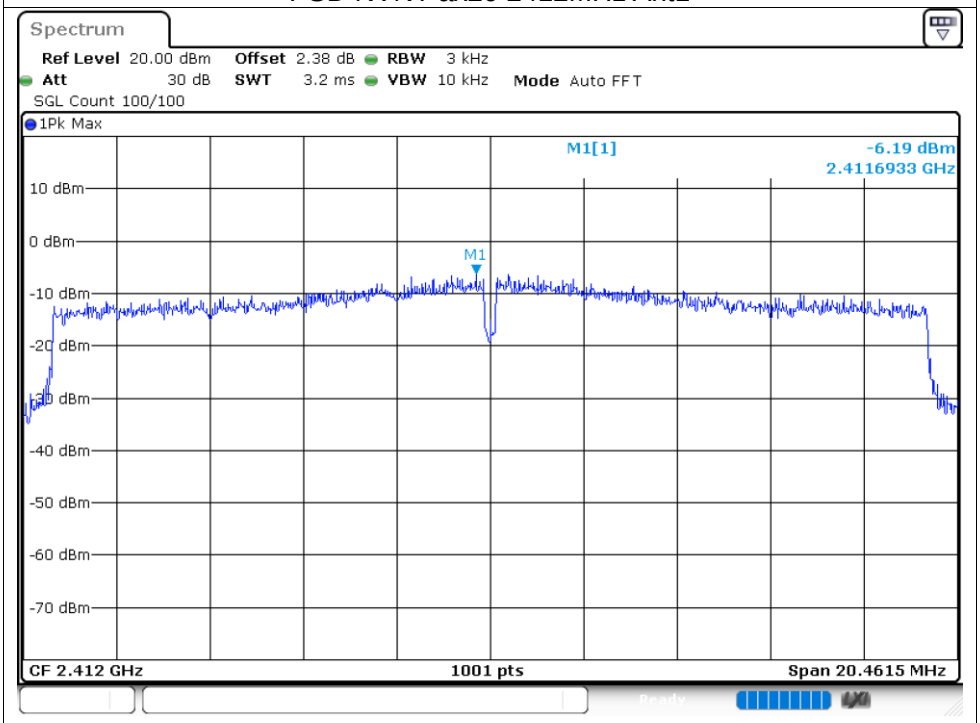
PSD NVNT n40 2437MHz Ant2



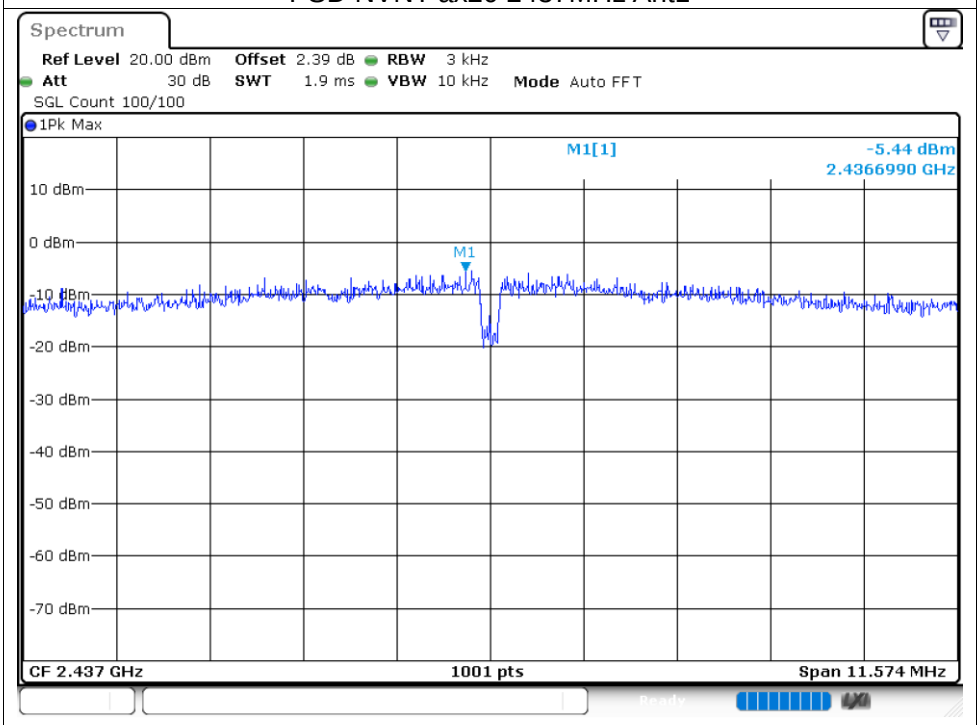
PSD NVNT n40 2452MHz Ant2



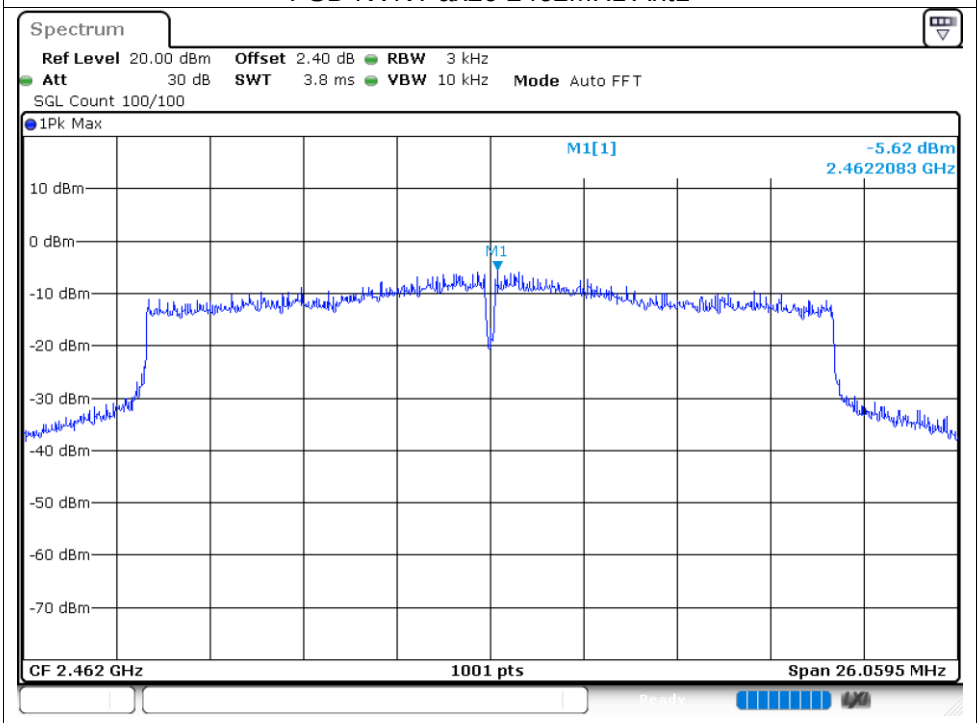
PSD NVNT ax20 2412MHz Ant1



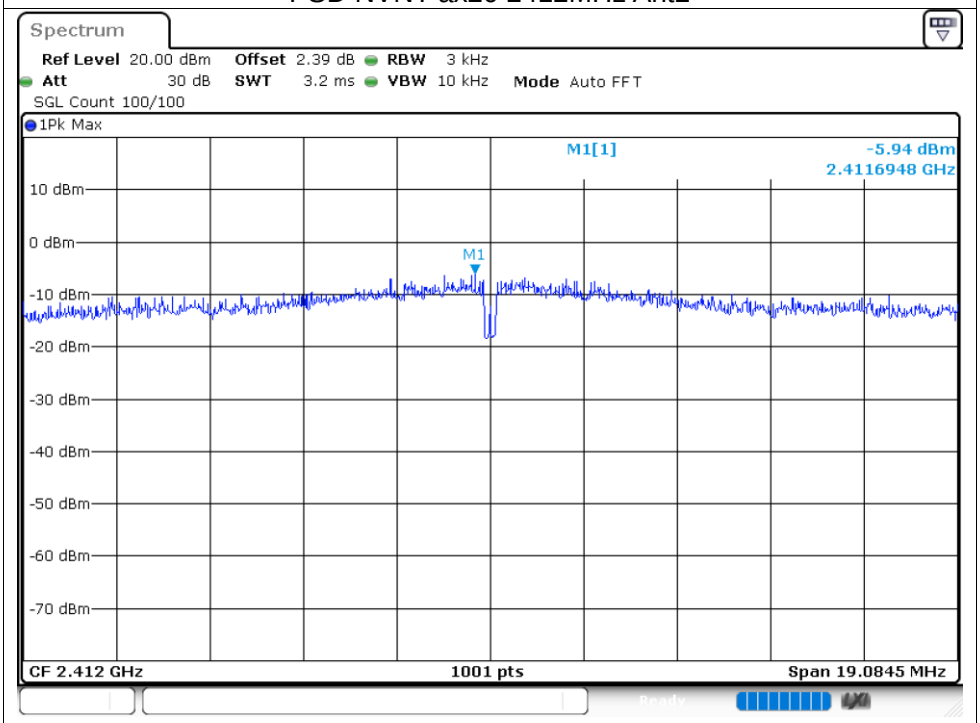
PSD NVNT ax20 2437MHz Ant1



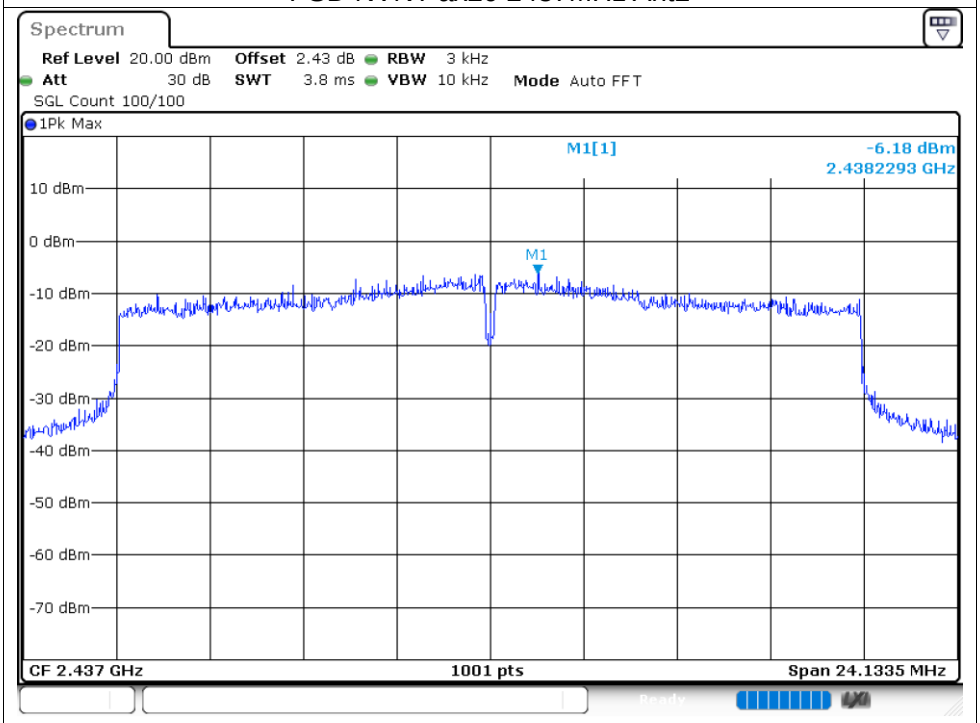
PSD NVNT ax20 2462MHz Ant1



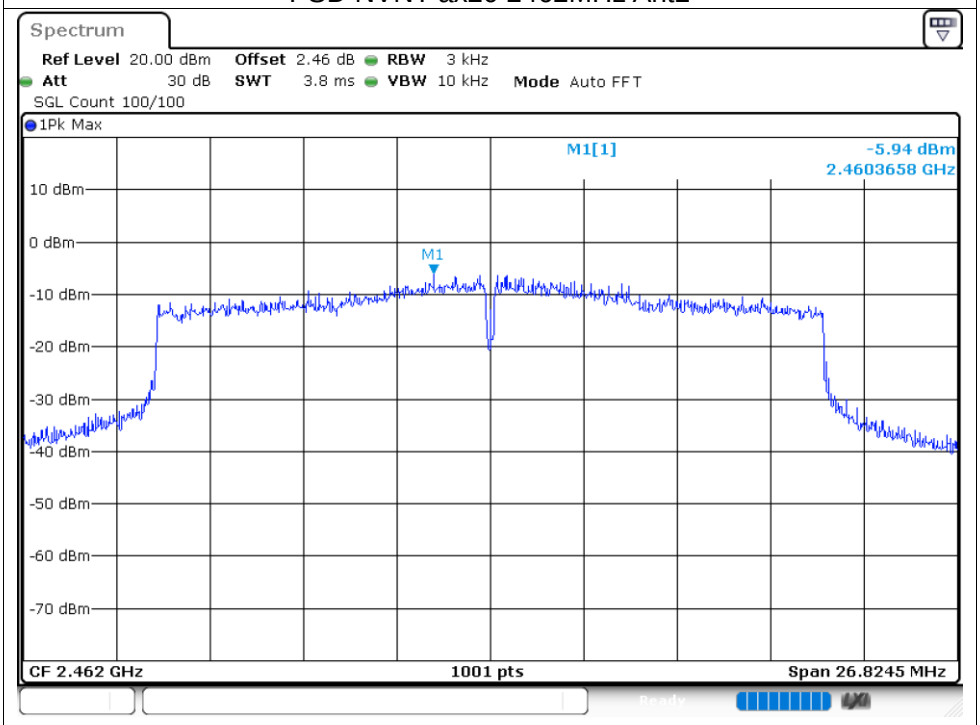
PSD NVNT ax20 2412MHz Ant2



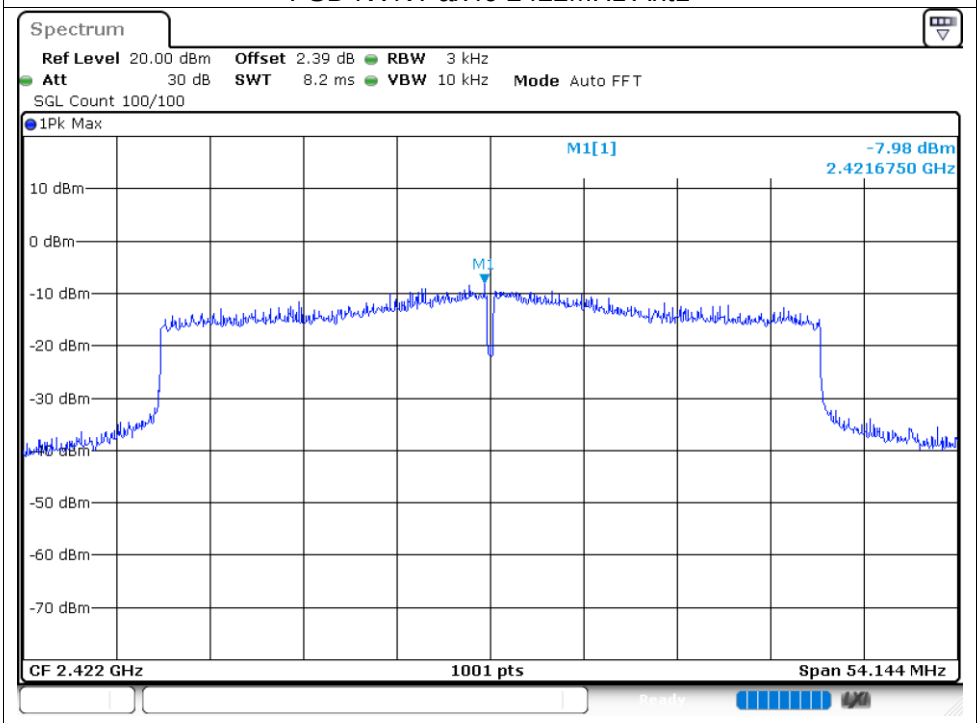
PSD NVNT ax20 2437MHz Ant2



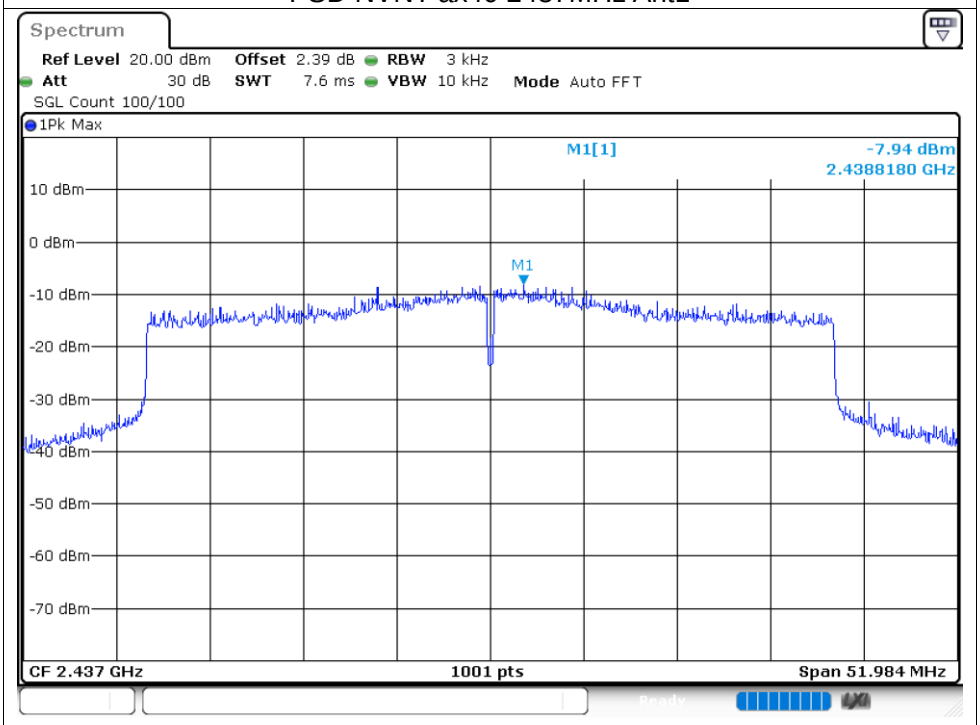
PSD NVNT ax20 2462MHz Ant2



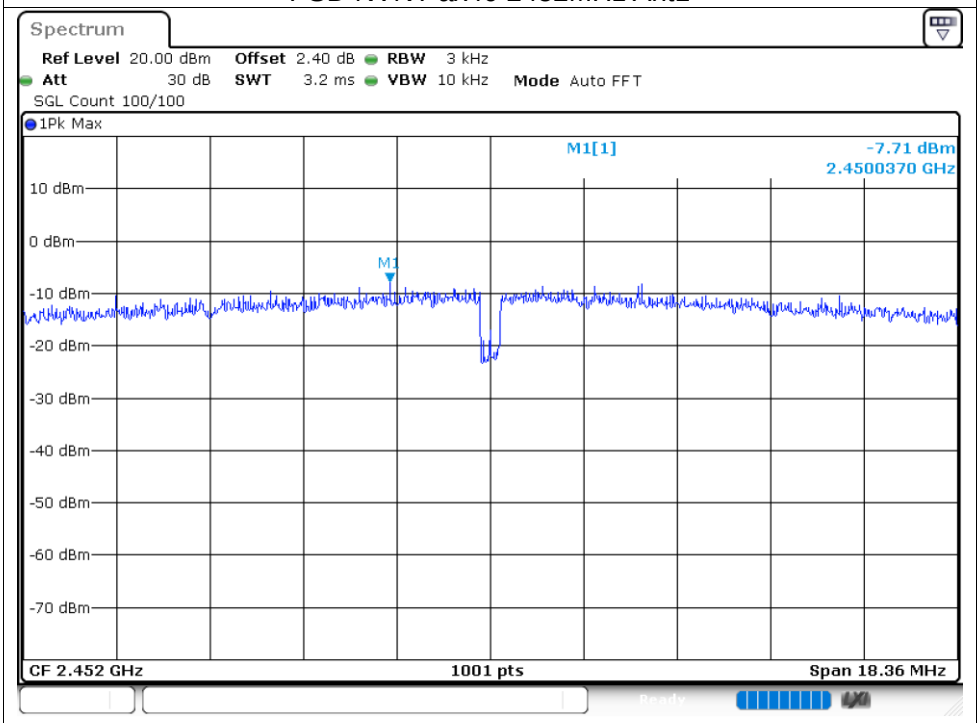
PSD NVNT ax40 2422MHz Ant1



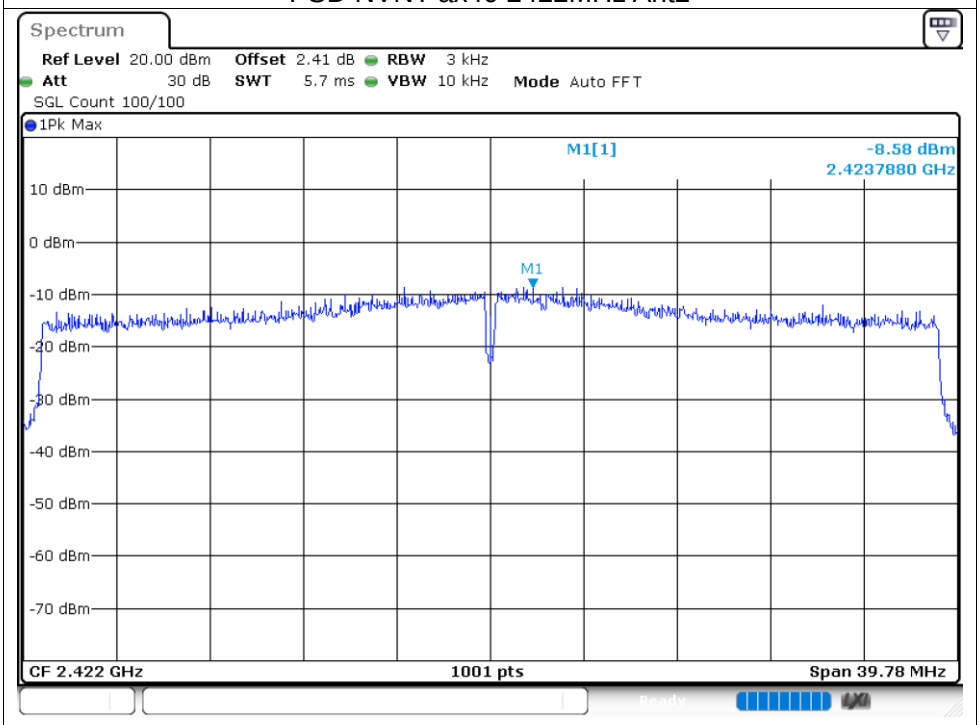
PSD NVNT ax40 2437MHz Ant1



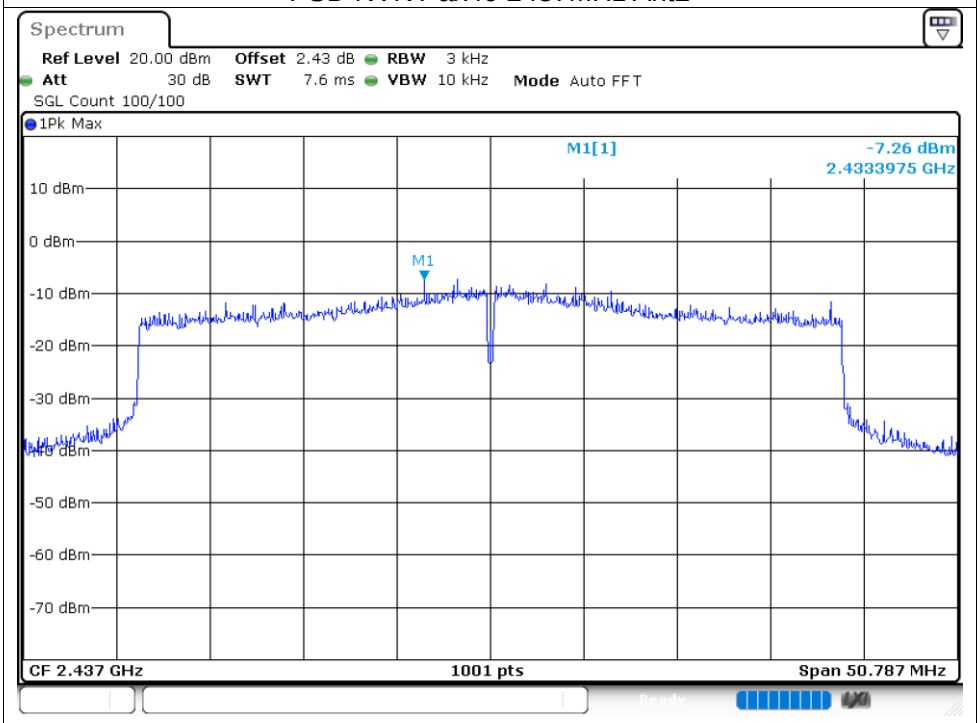
PSD NVNT ax40 2452MHz Ant1



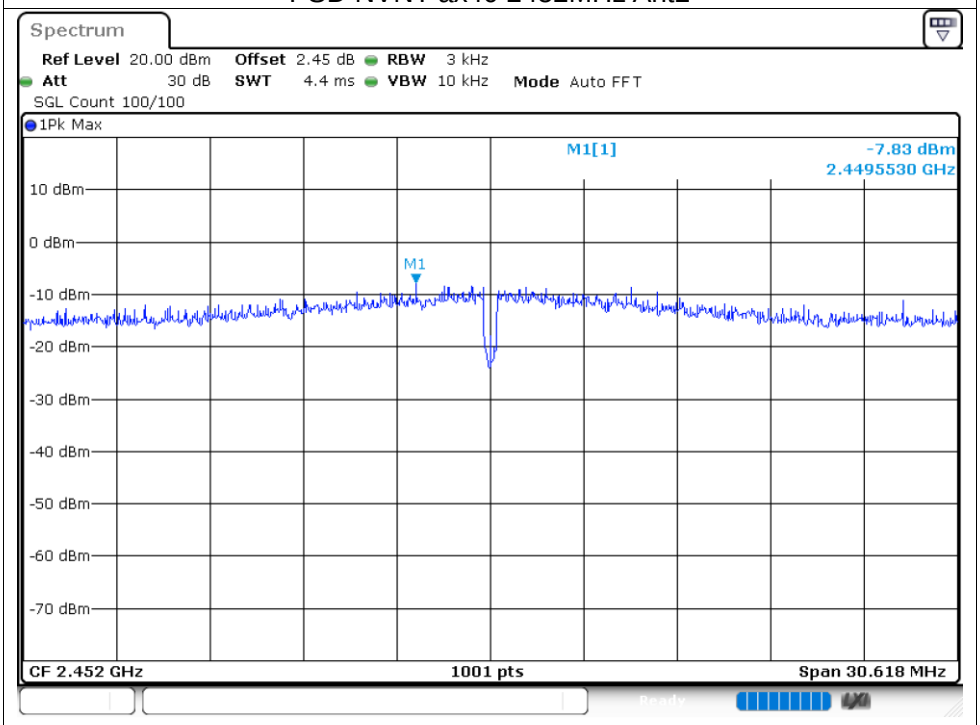
PSD NVNT ax40 2422MHz Ant2



PSD NVNT ax40 2437MHz Ant2



PSD NVNT ax40 2452MHz Ant2

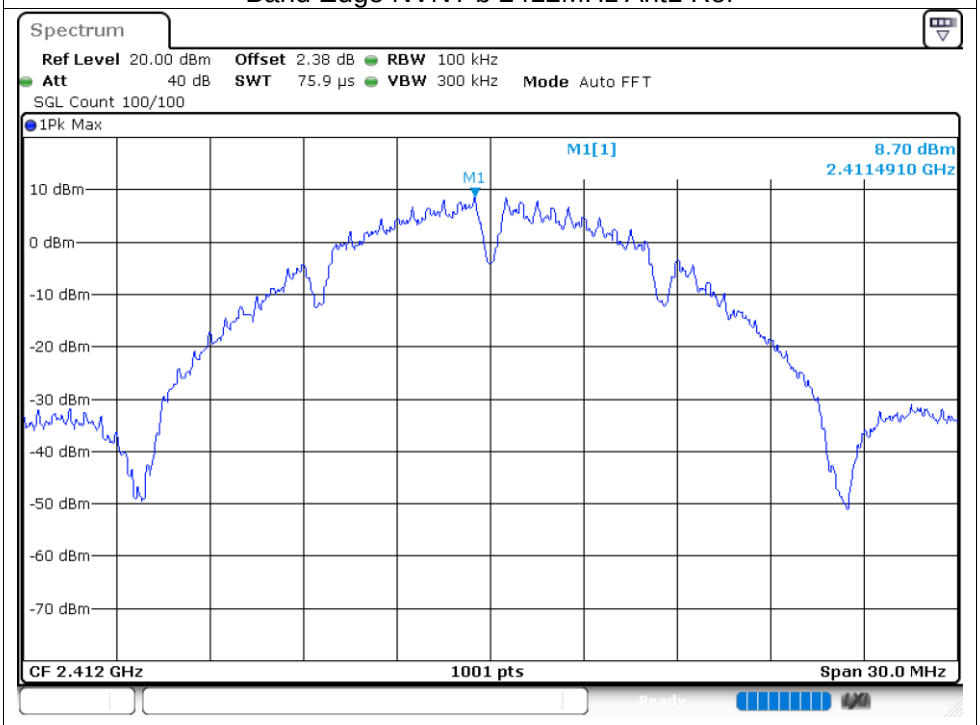


8.1.6 Band Edge

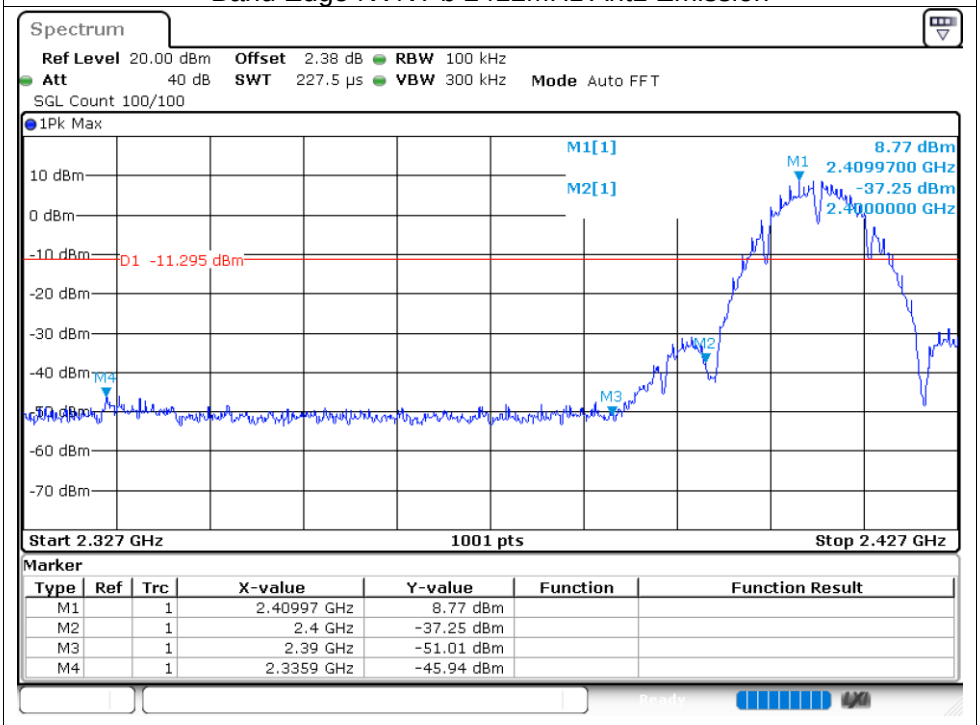
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-54.64	-20	Pass
NVNT	b	2462	Ant1	-61.85	-20	Pass
NVNT	b	2412	Ant2	-57.98	-20	Pass
NVNT	b	2462	Ant2	-60.37	-20	Pass
NVNT	g	2412	Ant1	-42.97	-20	Pass
NVNT	g	2462	Ant1	-40.41	-20	Pass
NVNT	g	2412	Ant2	-39.14	-20	Pass
NVNT	g	2462	Ant2	-42.43	-20	Pass
NVNT	n20	2412	Ant1	-39.56	-20	Pass
NVNT	n20	2462	Ant1	-38.01	-20	Pass
NVNT	n20	2412	Ant2	-37.29	-20	Pass
NVNT	n20	2462	Ant2	-43.34	-20	Pass
NVNT	n40	2422	Ant1	-27.7	-20	Pass
NVNT	n40	2452	Ant1	-26.79	-20	Pass
NVNT	n40	2422	Ant2	-32.15	-20	Pass
NVNT	n40	2452	Ant2	-27.72	-20	Pass
NVNT	ax20	2412	Ant1	-43.02	-20	Pass
NVNT	ax20	2462	Ant1	-35.96	-20	Pass
NVNT	ax20	2412	Ant2	-36.6	-20	Pass
NVNT	ax20	2462	Ant2	-42.66	-20	Pass
NVNT	ax40	2422	Ant1	-30.72	-20	Pass
NVNT	ax40	2452	Ant1	-26.52	-20	Pass
NVNT	ax40	2422	Ant2	-28.12	-20	Pass
NVNT	ax40	2452	Ant2	-29.29	-20	Pass

Test Graphs

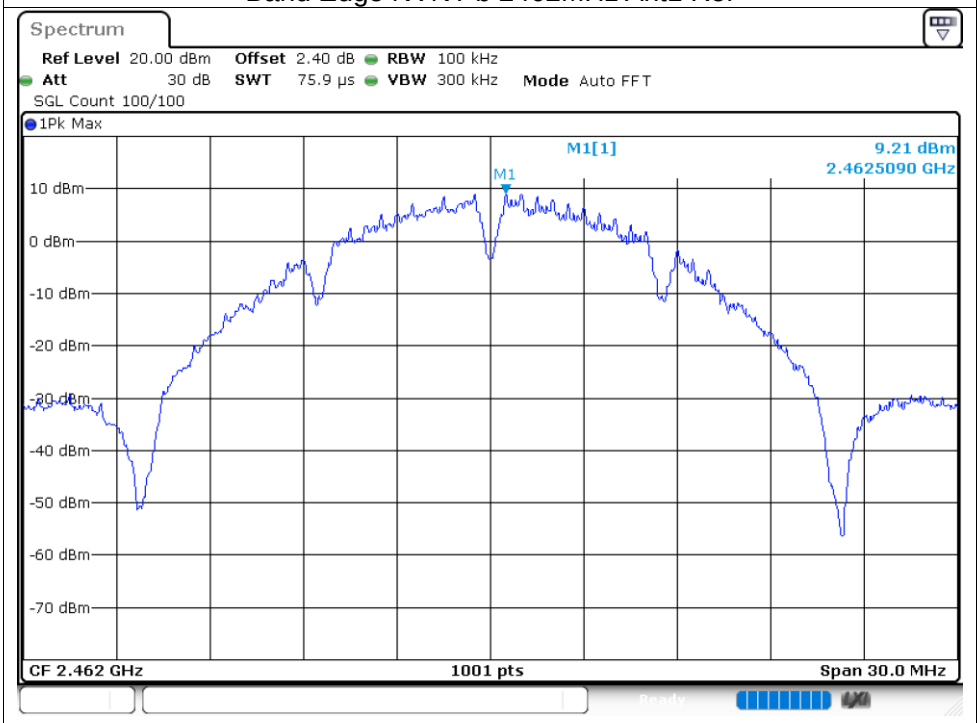
Band Edge NVNT b 2412MHz Ant1 Ref



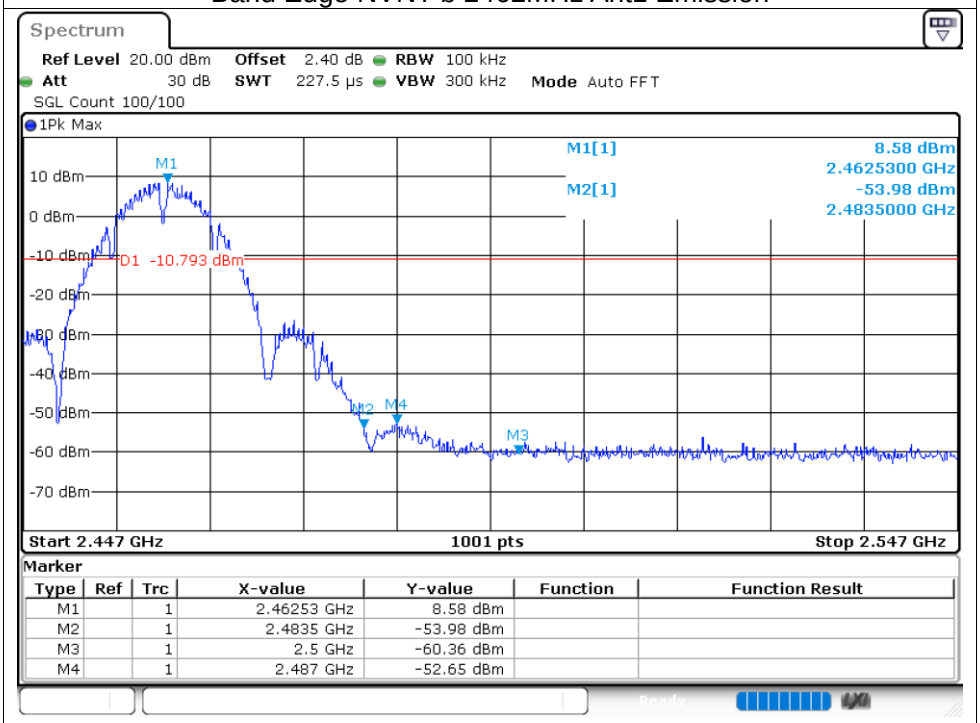
Band Edge NVNT b 2412MHz Ant1 Emission



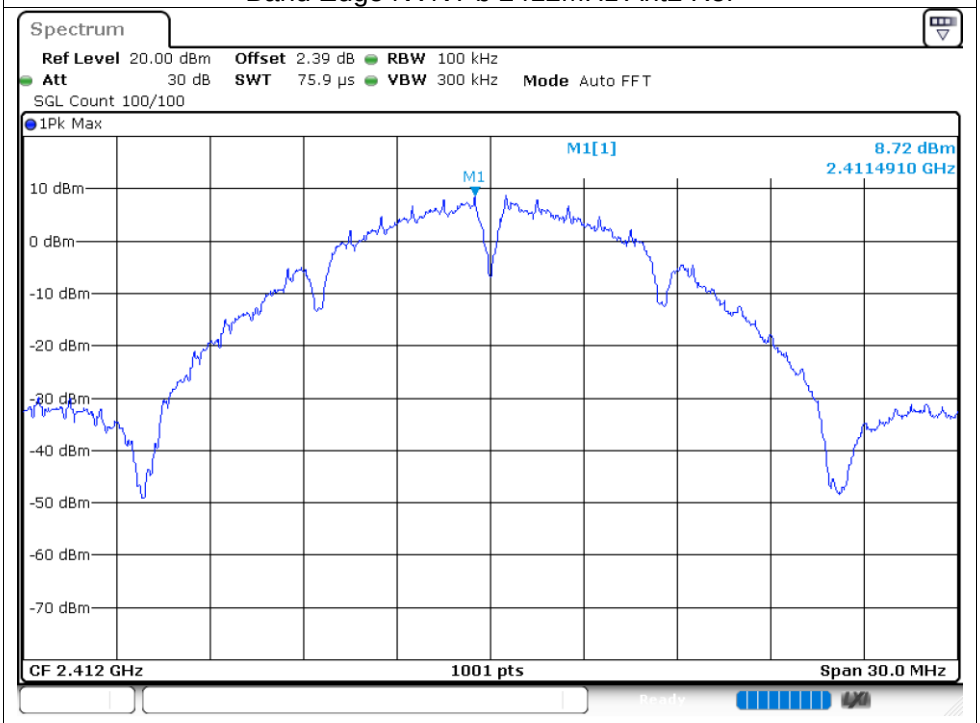
Band Edge NVNT b 2462MHz Ant1 Ref



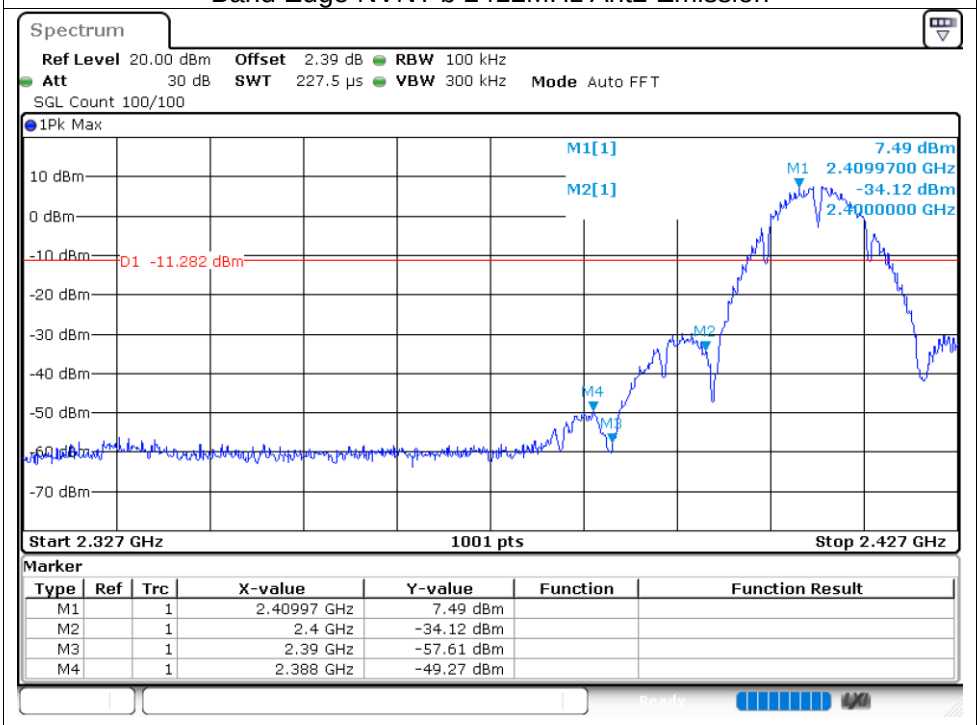
Band Edge NVNT b 2462MHz Ant1 Emission



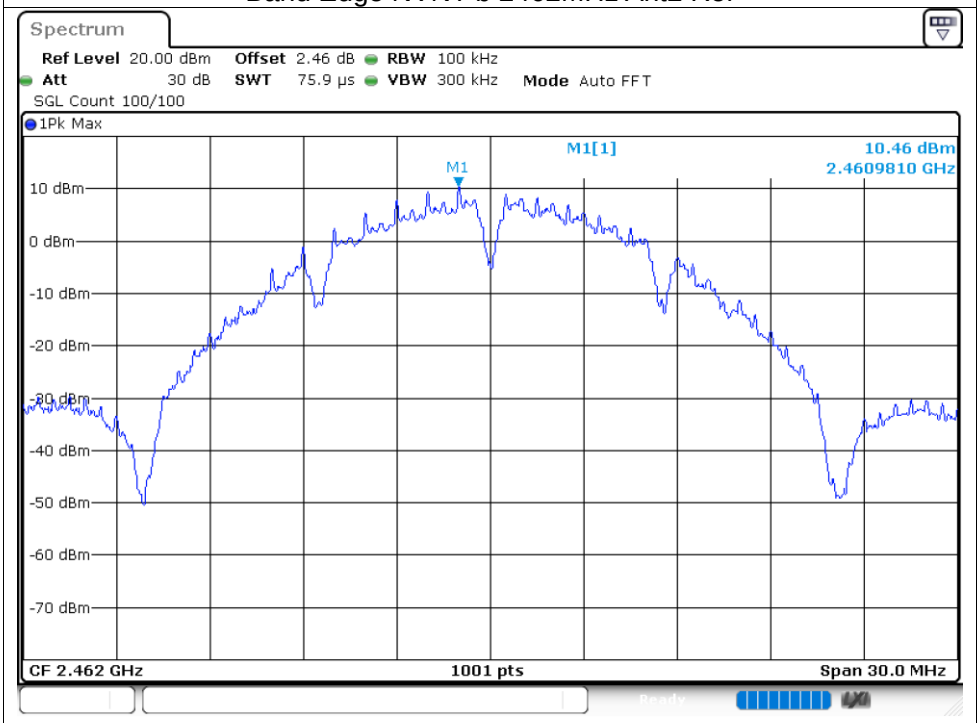
Band Edge NVNT b 2412MHz Ant2 Ref



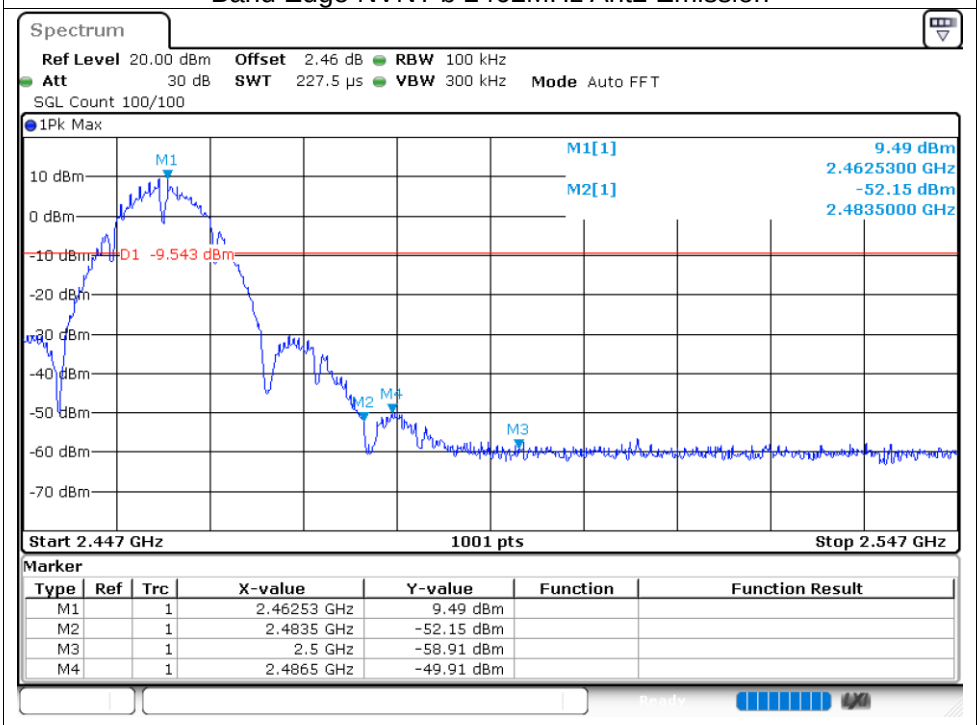
Band Edge NVNT b 2412MHz Ant2 Emission



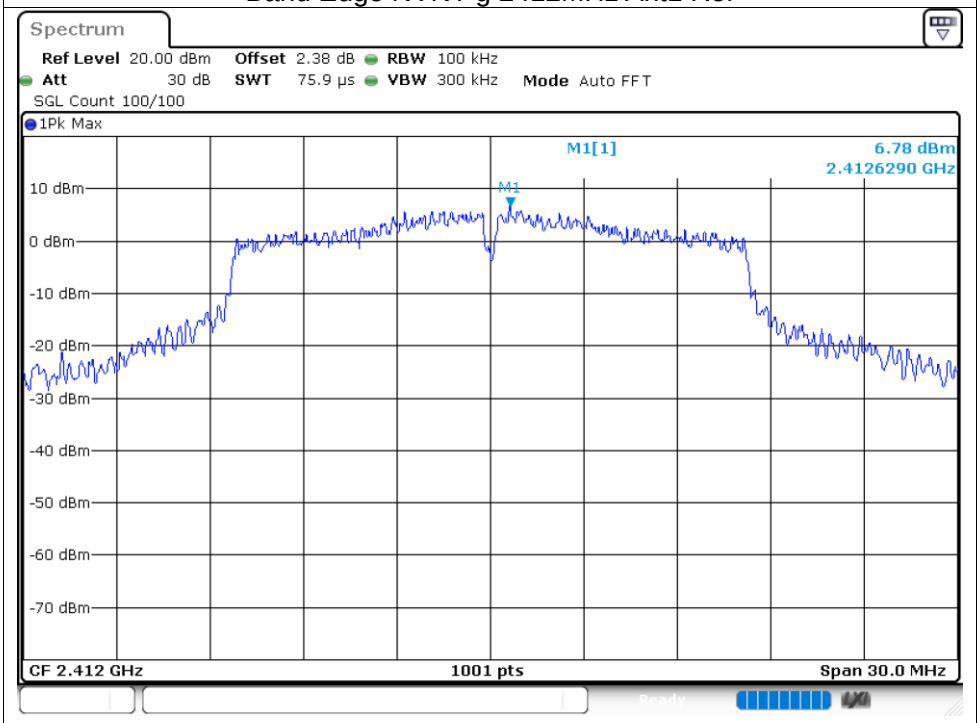
Band Edge NVNT b 2462MHz Ant2 Ref



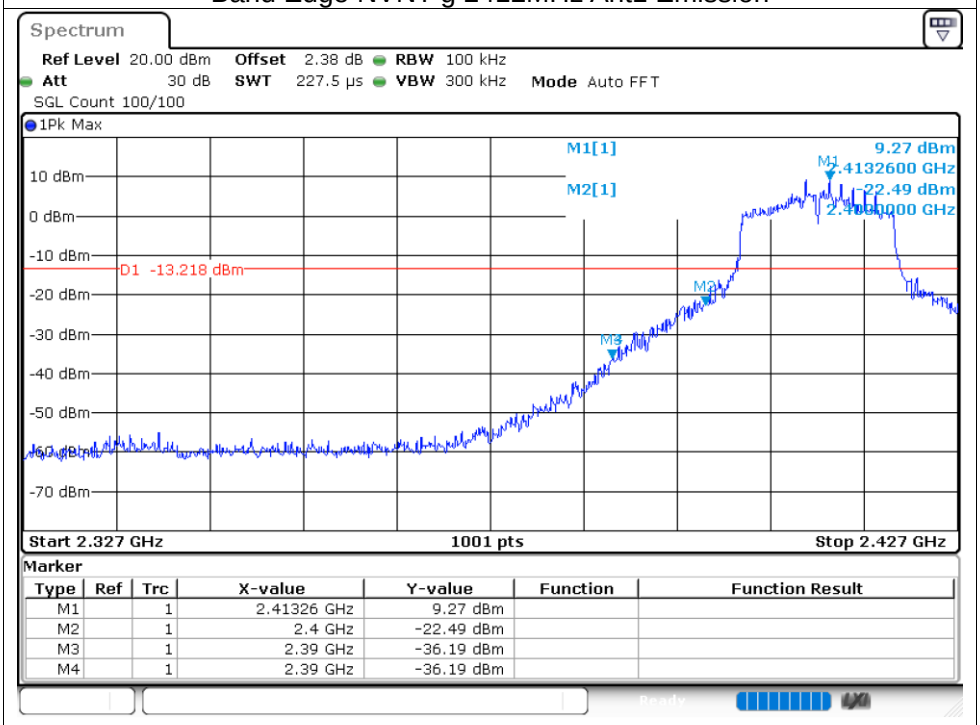
Band Edge NVNT b 2462MHz Ant2 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



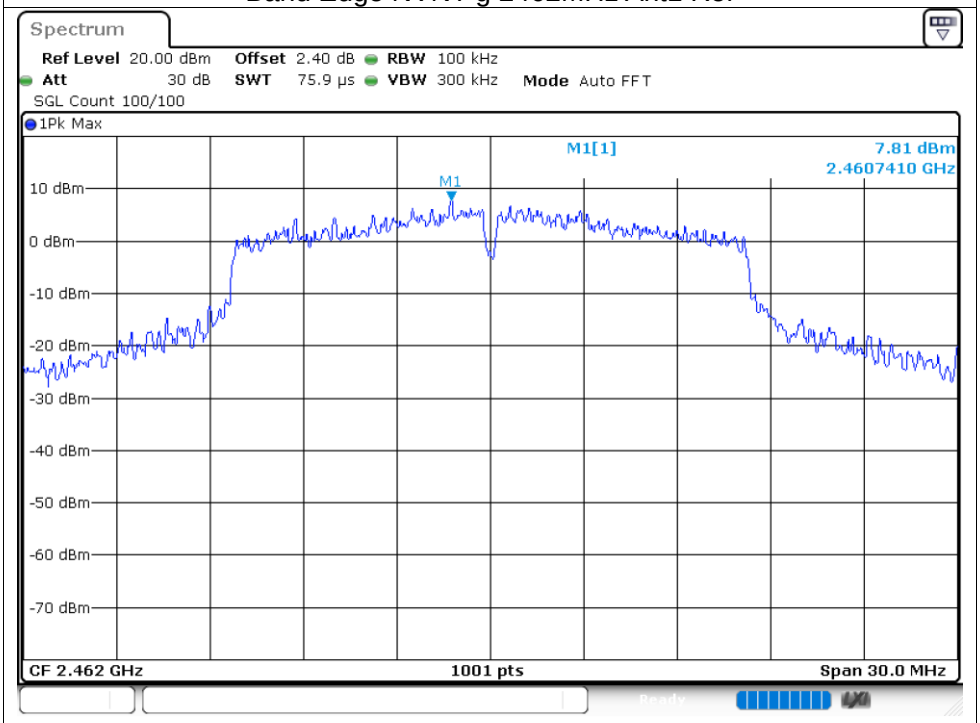
Band Edge NVNT g 2412MHz Ant1 Emission



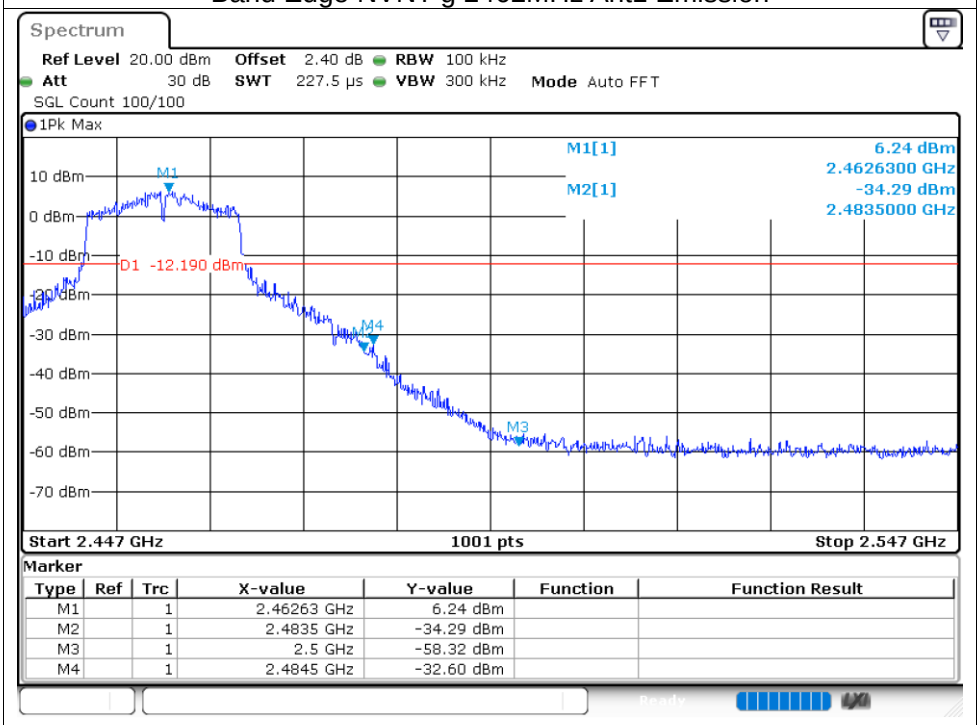
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41326 GHz	9.27 dBm		
M2		1	2.4 GHz	-22.49 dBm		
M3		1	2.39 GHz	-36.19 dBm		
M4		1	2.39 GHz	-36.19 dBm		

Band Edge NVNT g 2462MHz Ant1 Ref



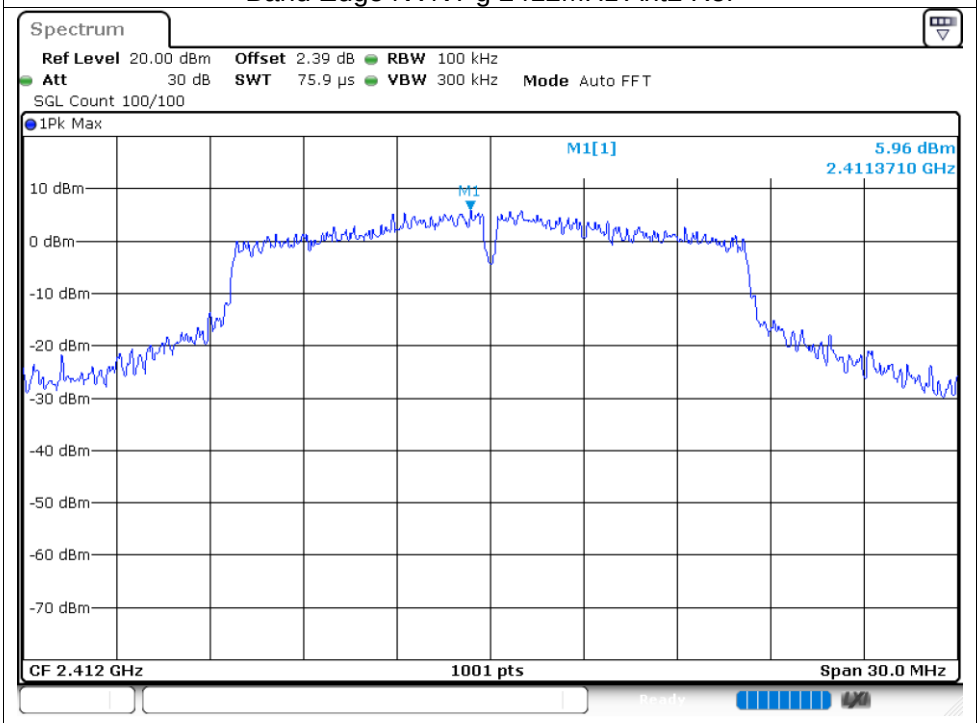
Band Edge NVNT g 2462MHz Ant1 Emission



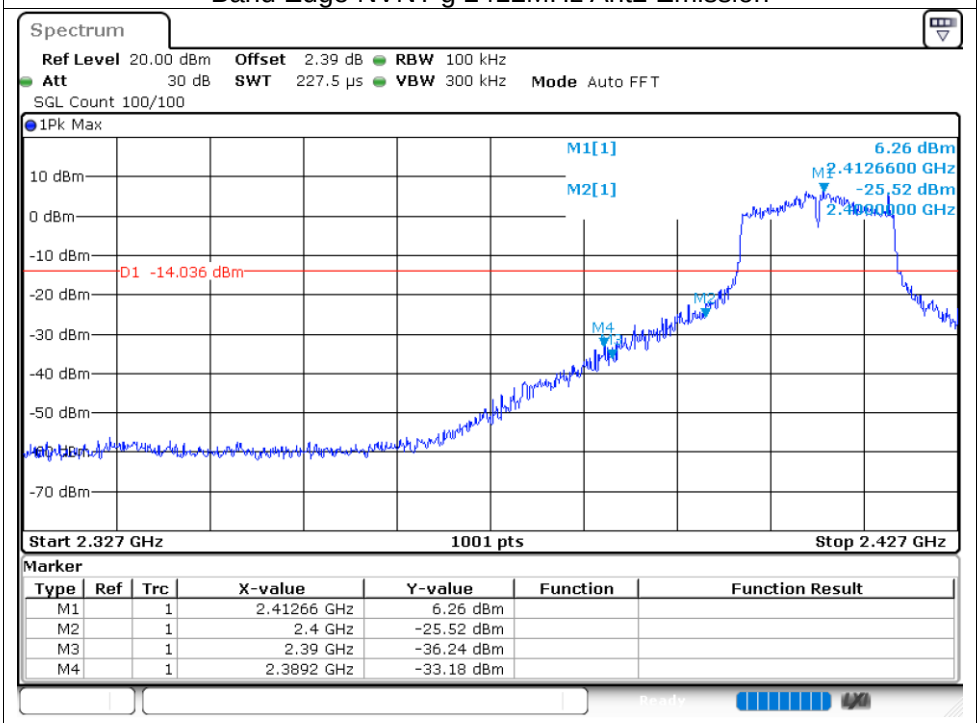
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46263 GHz	6.24 dBm		
M2		1	2.4835 GHz	-34.29 dBm		
M3		1	2.5 GHz	-58.32 dBm		
M4		1	2.4845 GHz	-32.60 dBm		

Band Edge NVNT g 2412MHz Ant2 Ref



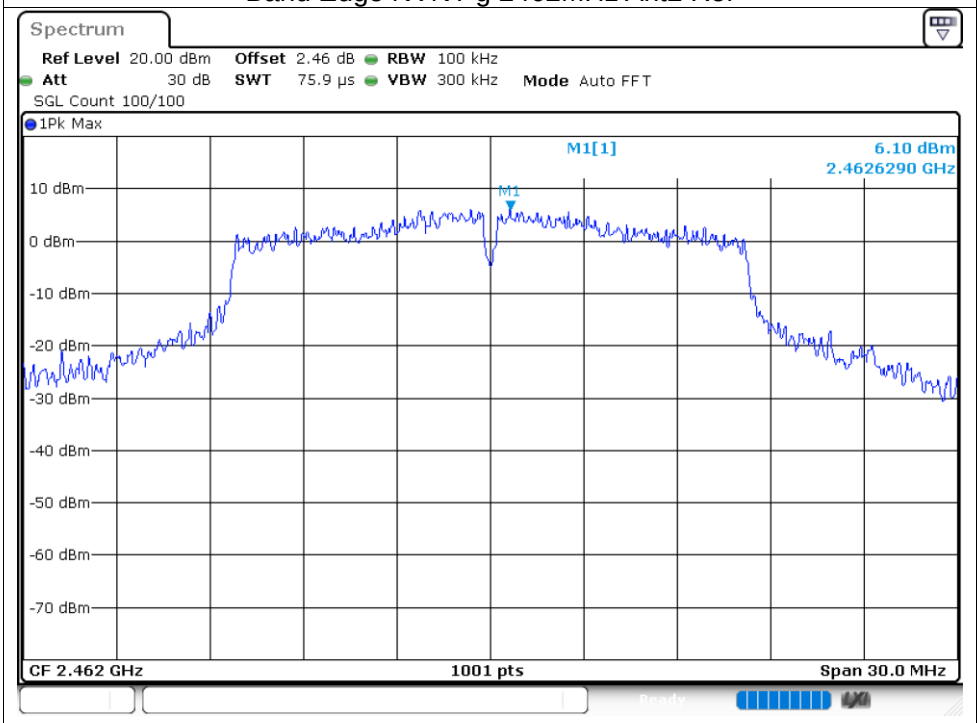
Band Edge NVNT g 2412MHz Ant2 Emission



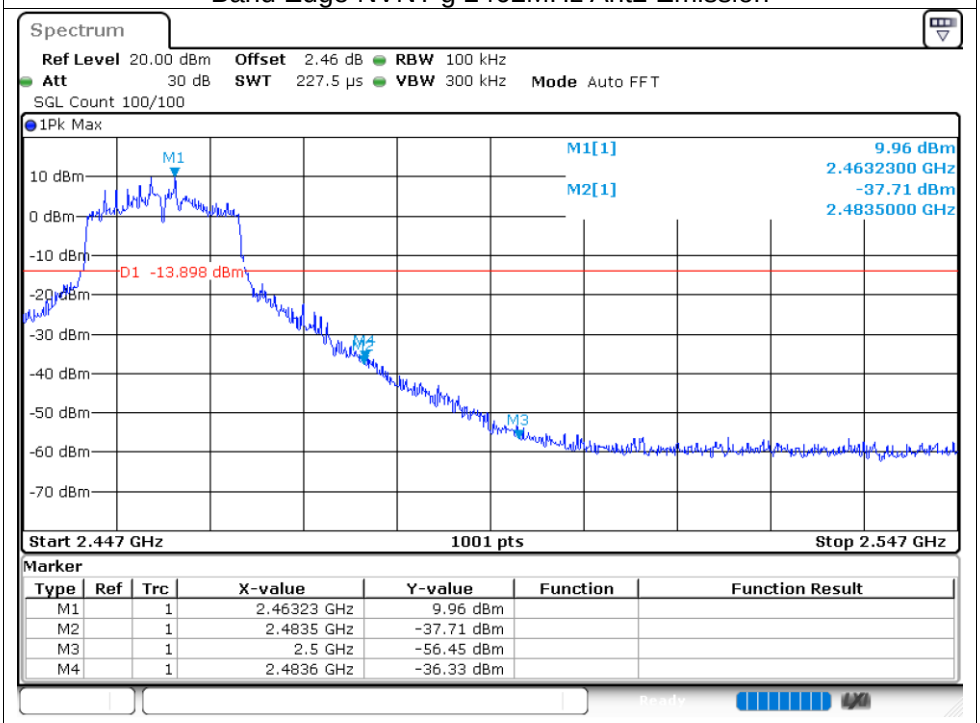
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41266 GHz	6.26 dBm		
M2		1	2.4 GHz	-25.52 dBm		
M3		1	2.39 GHz	-36.24 dBm		
M4		1	2.3892 GHz	-33.18 dBm		

Band Edge NVNT g 2462MHz Ant2 Ref



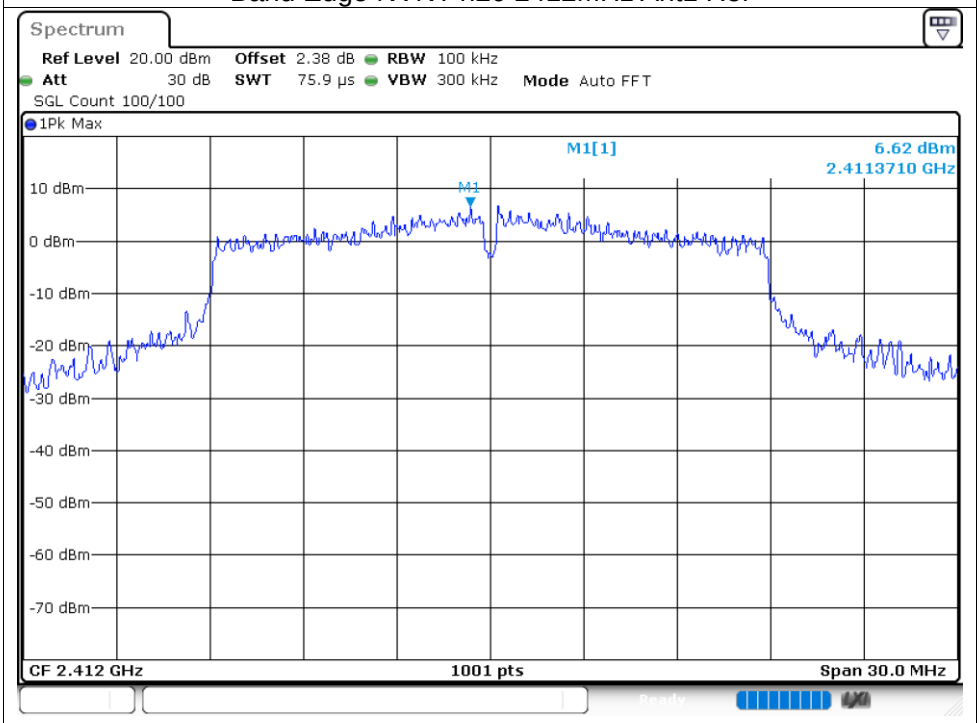
Band Edge NVNT g 2462MHz Ant2 Emission



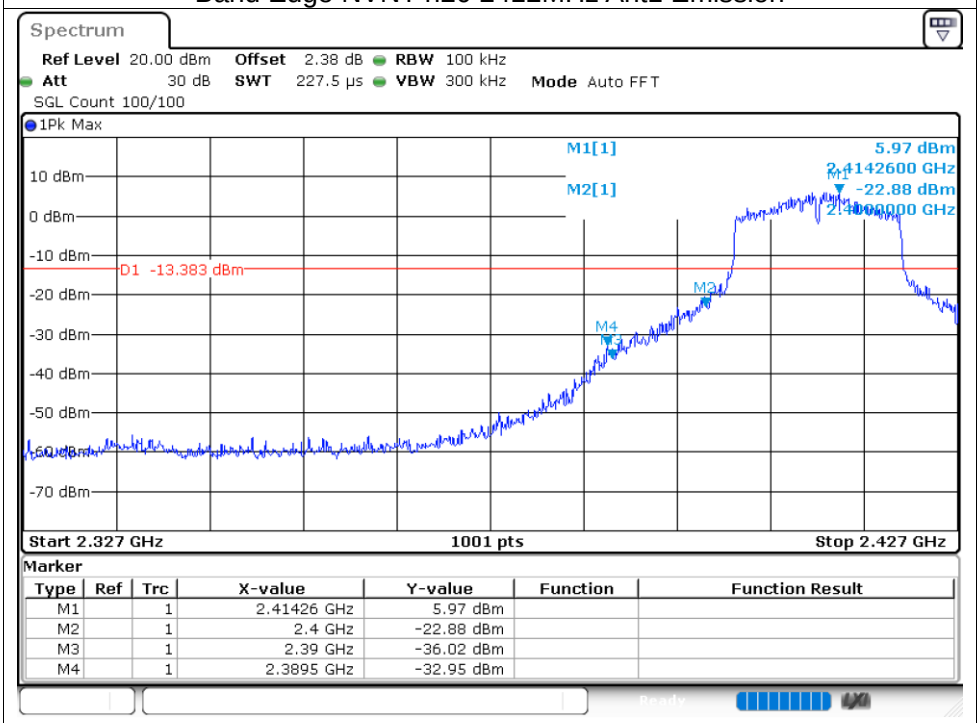
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46323 GHz	9.96 dBm		
M2		1	2.4835 GHz	-37.71 dBm		
M3		1	2.5 GHz	-56.45 dBm		
M4		1	2.4836 GHz	-36.33 dBm		

Band Edge NVNT n20 2412MHz Ant1 Ref



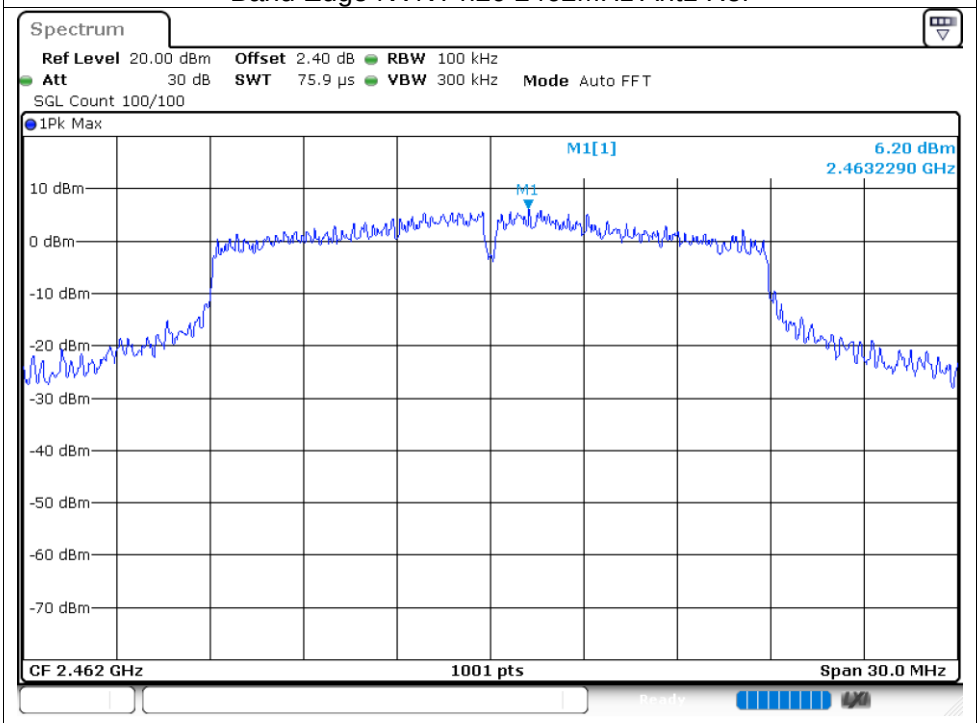
Band Edge NVNT n20 2412MHz Ant1 Emission



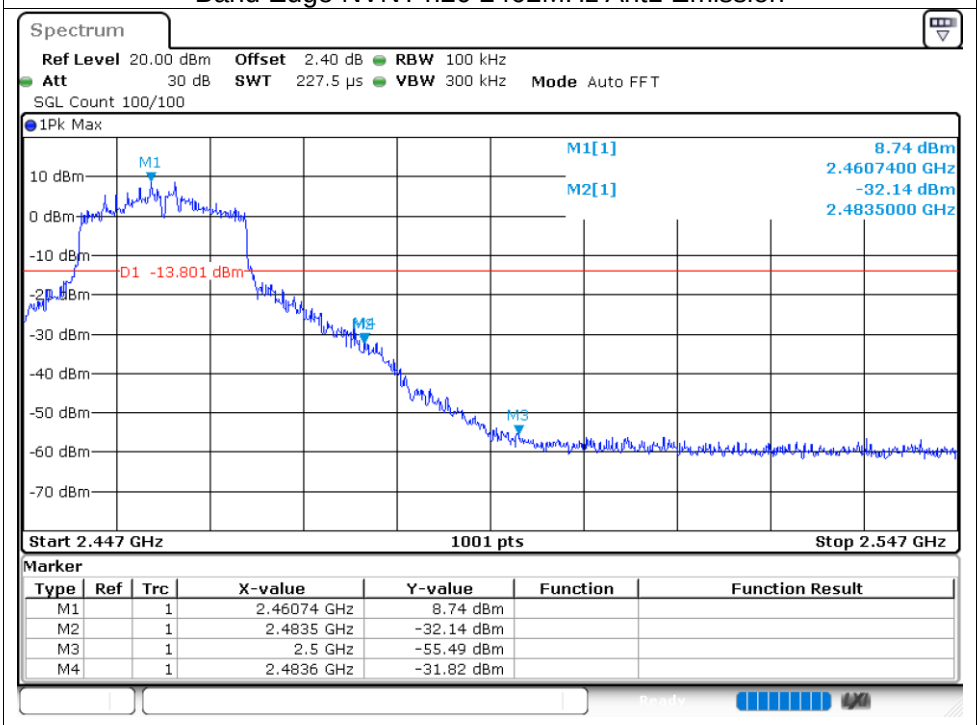
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41426 GHz	5.97 dBm		
M2		1	2.4 GHz	-22.88 dBm		
M3		1	2.39 GHz	-36.02 dBm		
M4		1	2.3895 GHz	-32.95 dBm		

Band Edge NVNT n20 2462MHz Ant1 Ref



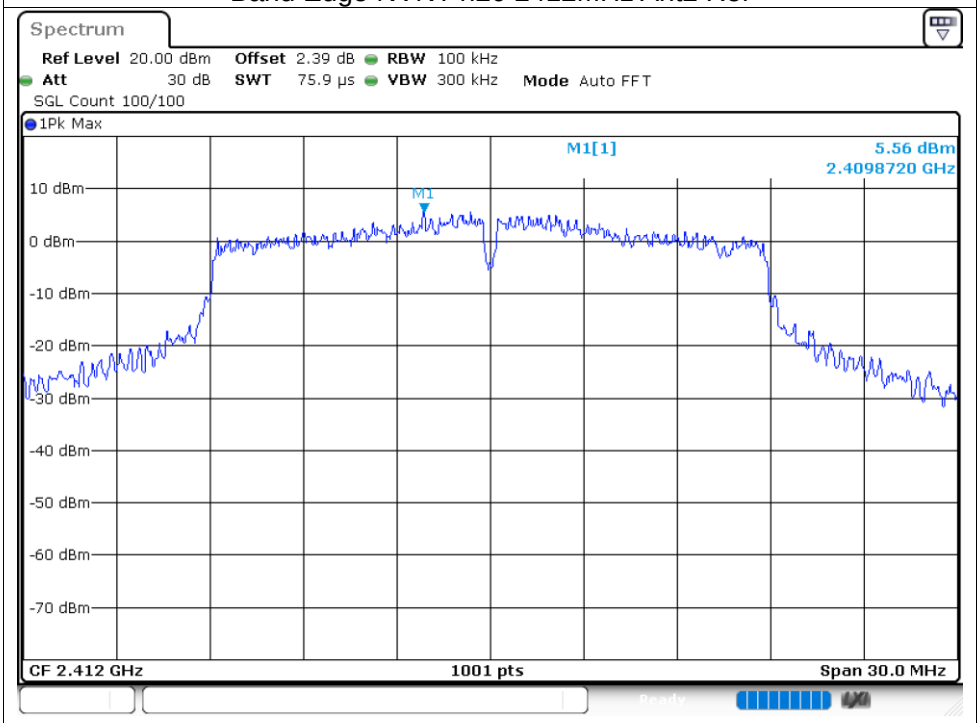
Band Edge NVNT n20 2462MHz Ant1 Emission



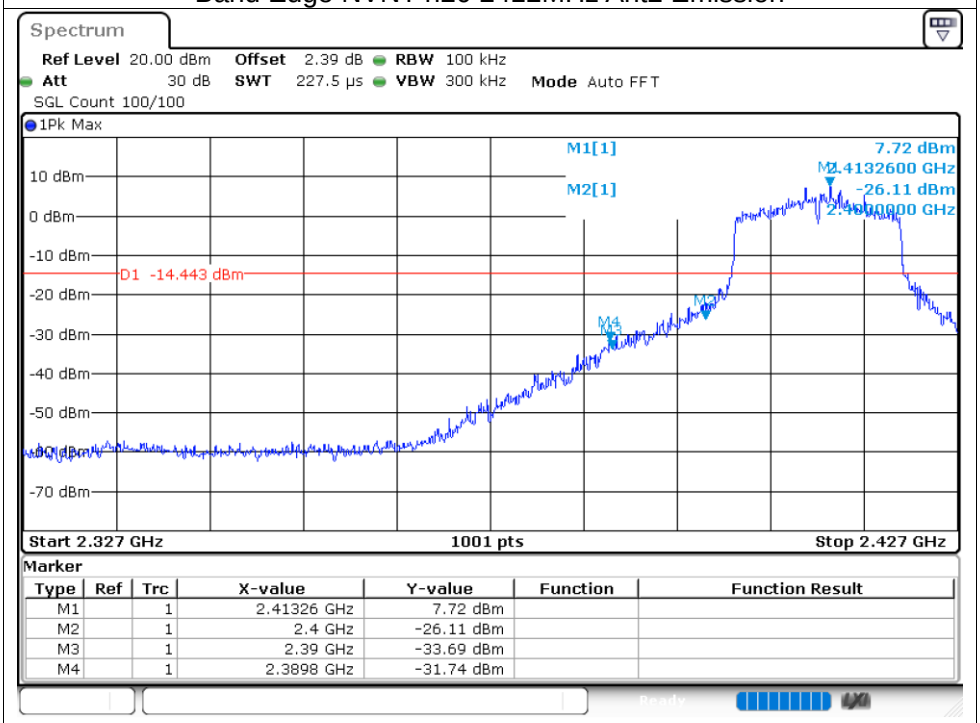
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46074 GHz	8.74 dBm		
M2		1	2.4835 GHz	-32.14 dBm		
M3		1	2.5 GHz	-55.49 dBm		
M4		1	2.4836 GHz	-31.82 dBm		

Band Edge NVNT n20 2412MHz Ant2 Ref



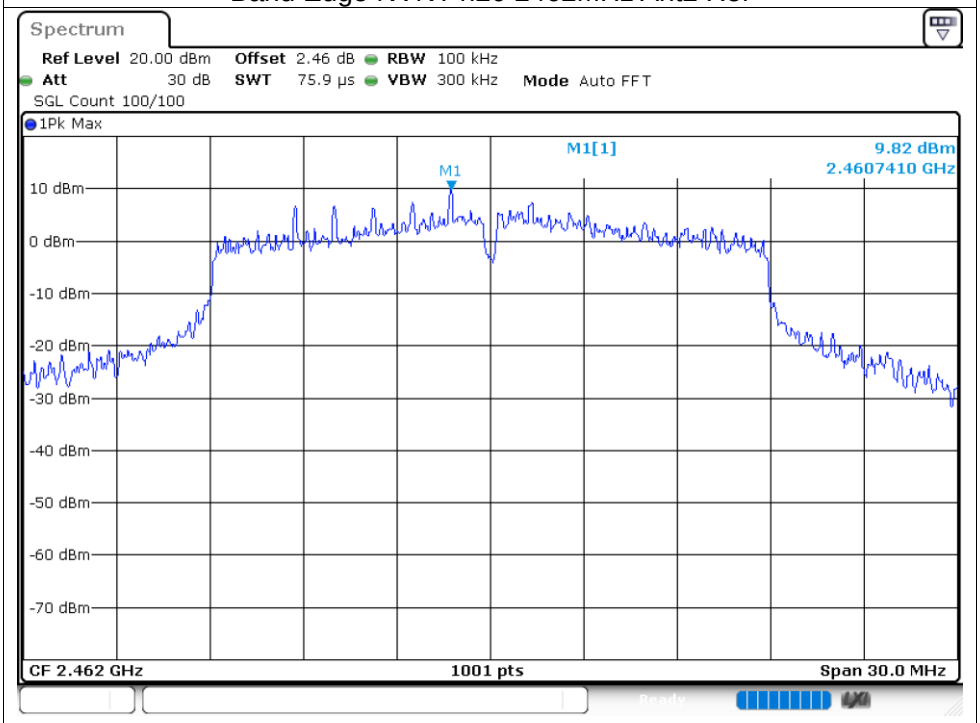
Band Edge NVNT n20 2412MHz Ant2 Emission



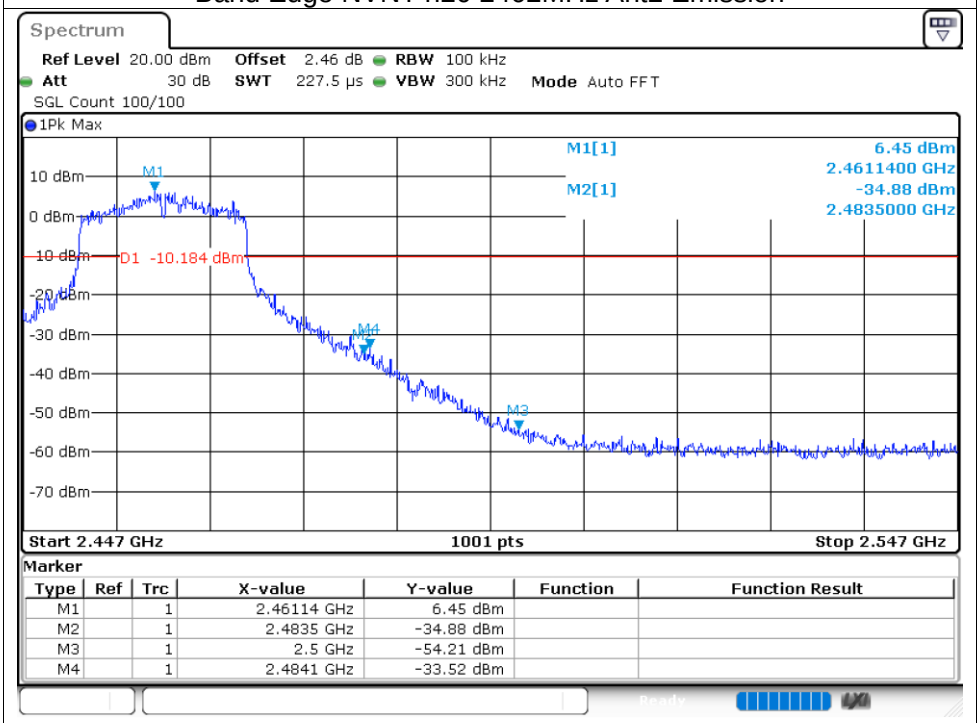
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41326 GHz	7.72 dBm		
M2		1	2.4 GHz	-26.11 dBm		
M3		1	2.39 GHz	-33.69 dBm		
M4		1	2.3898 GHz	-31.74 dBm		

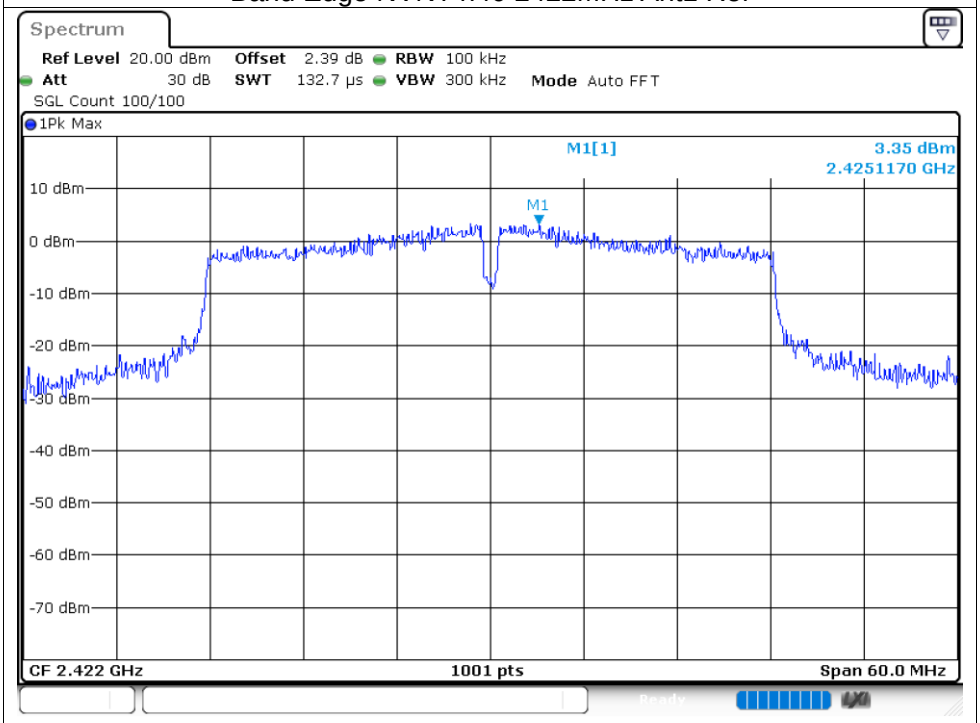
Band Edge NVNT n20 2462MHz Ant2 Ref



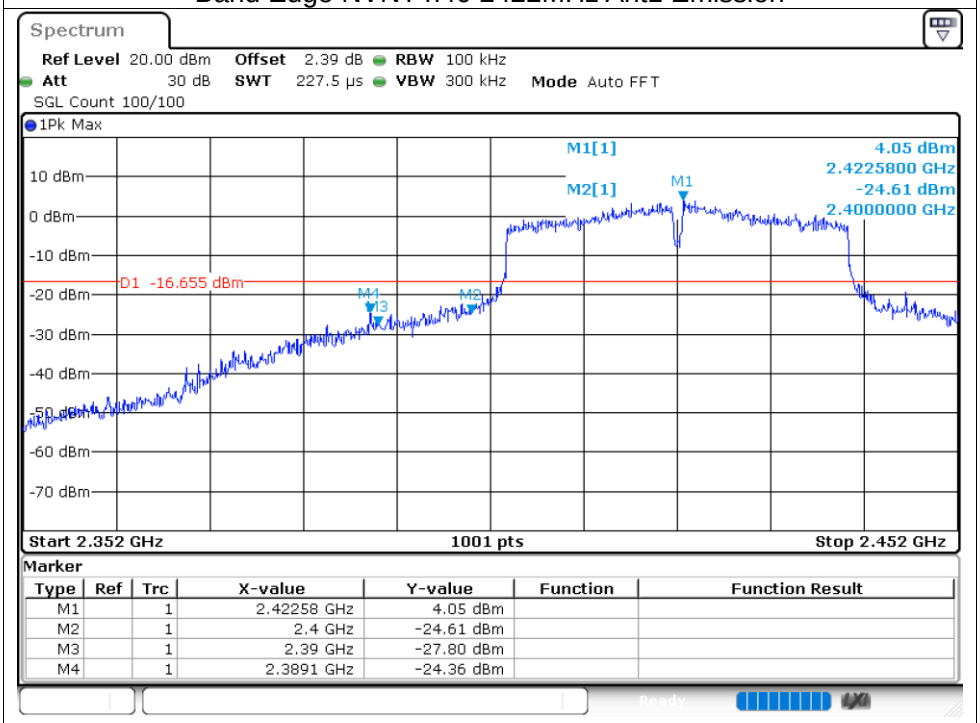
Band Edge NVNT n20 2462MHz Ant2 Emission



Band Edge NVNT n40 2422MHz Ant1 Ref



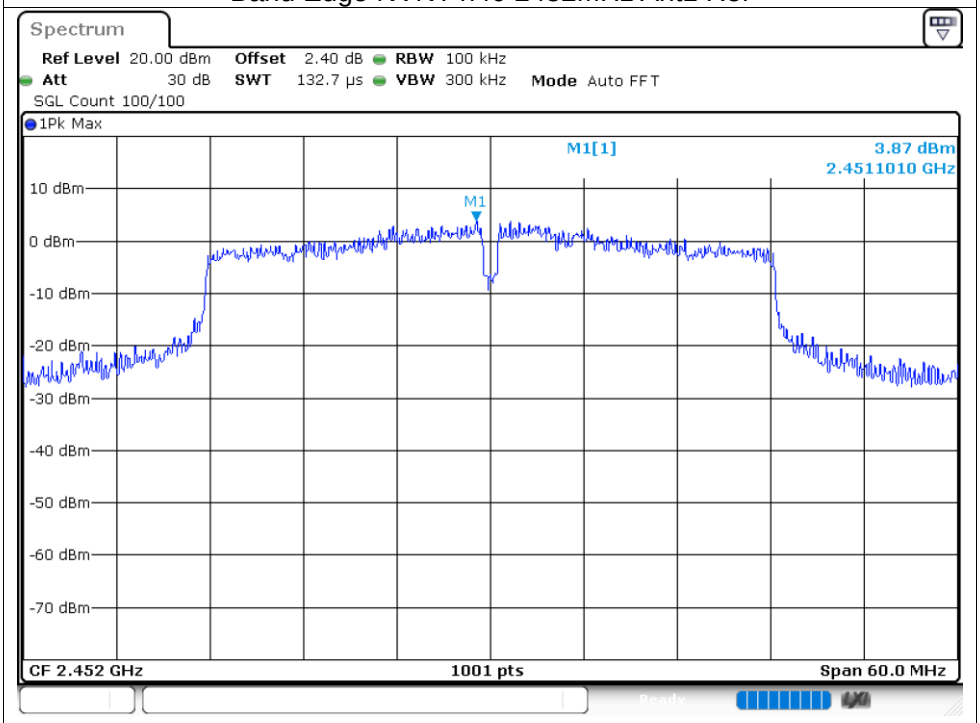
Band Edge NVNT n40 2422MHz Ant1 Emission



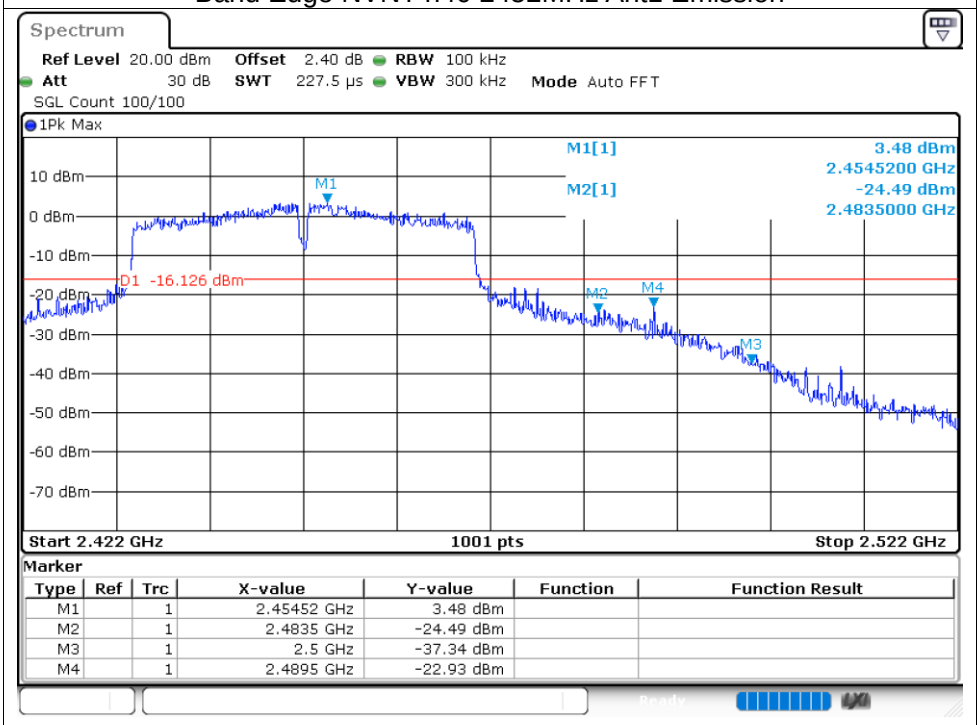
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42258 GHz	4.05 dBm		
M2		1	2.4 GHz	-24.61 dBm		
M3		1	2.39 GHz	-27.80 dBm		
M4		1	2.3891 GHz	-24.36 dBm		

Band Edge NVNT n40 2452MHz Ant1 Ref



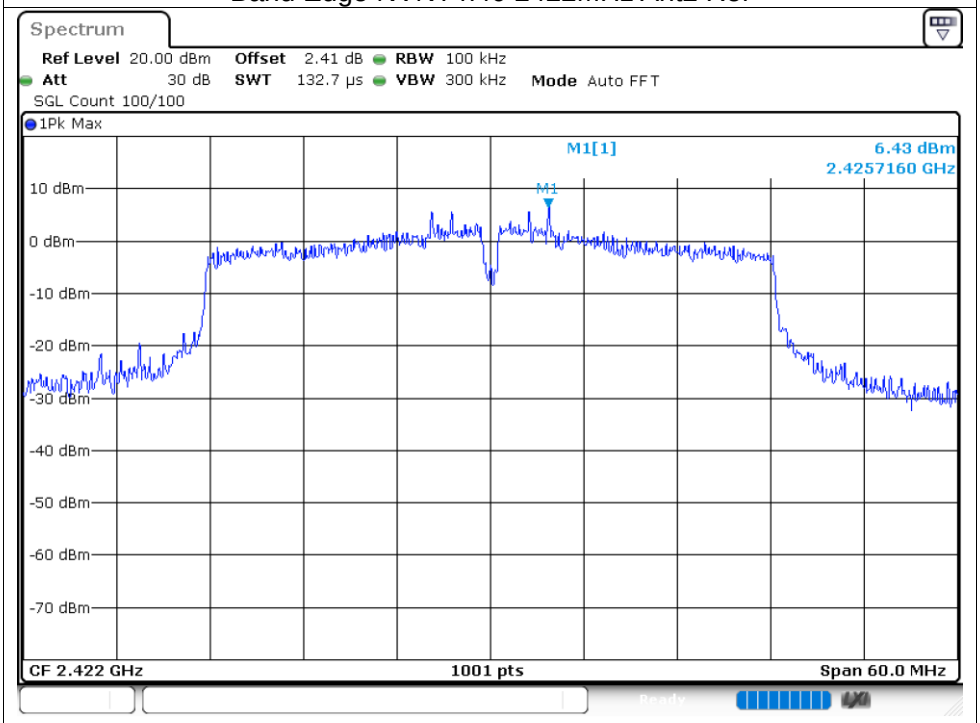
Band Edge NVNT n40 2452MHz Ant1 Emission



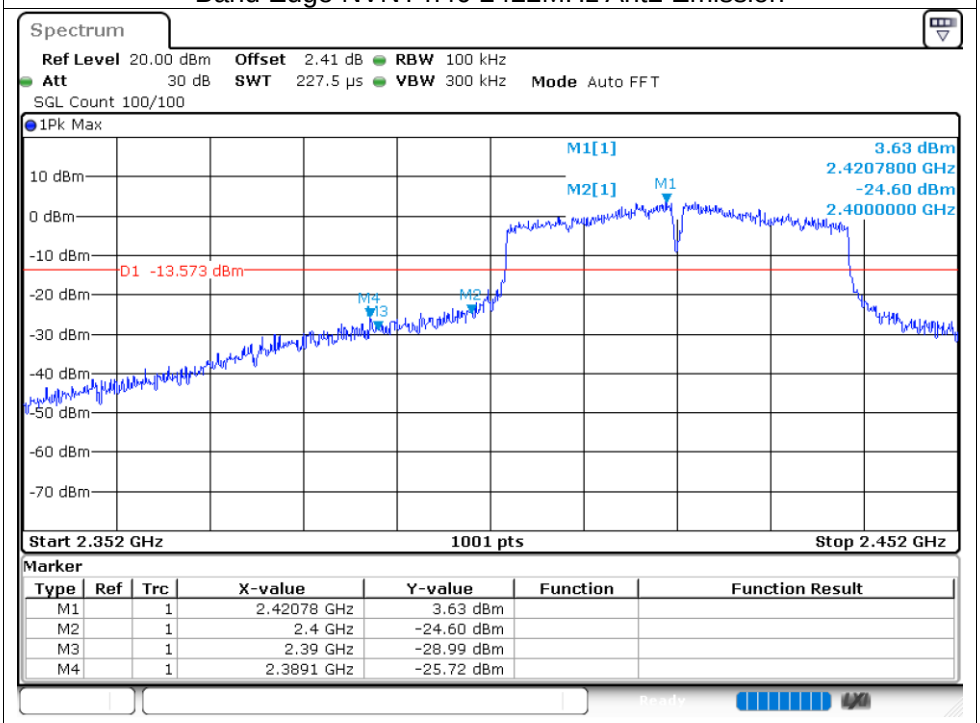
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45452 GHz	3.48 dBm		
M2		1	2.4835 GHz	-24.49 dBm		
M3		1	2.5 GHz	-37.34 dBm		
M4		1	2.4895 GHz	-22.93 dBm		

Band Edge NVNT n40 2422MHz Ant2 Ref



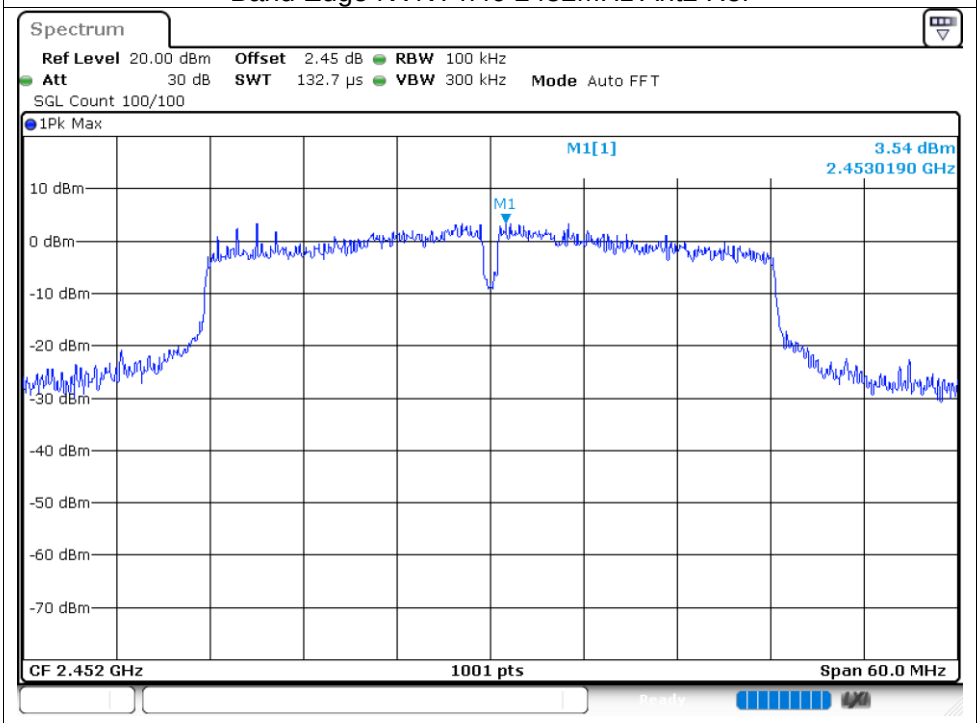
Band Edge NVNT n40 2422MHz Ant2 Emission



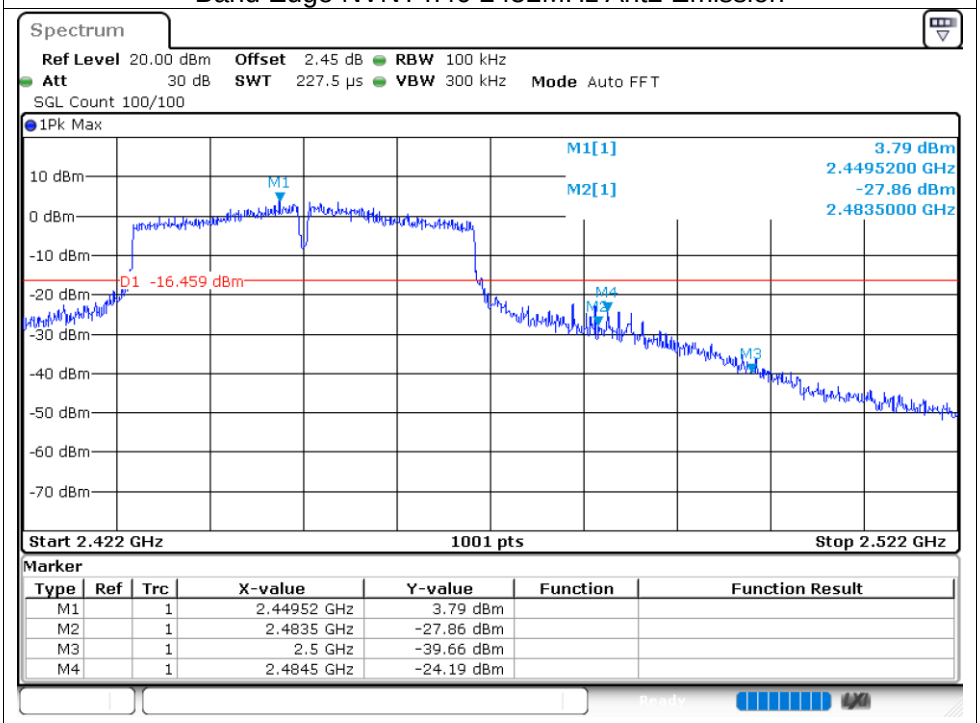
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42078 GHz	3.63 dBm		
M2		1	2.4 GHz	-24.60 dBm		
M3		1	2.39 GHz	-28.99 dBm		
M4		1	2.3891 GHz	-25.72 dBm		

Band Edge NVNT n40 2452MHz Ant2 Ref



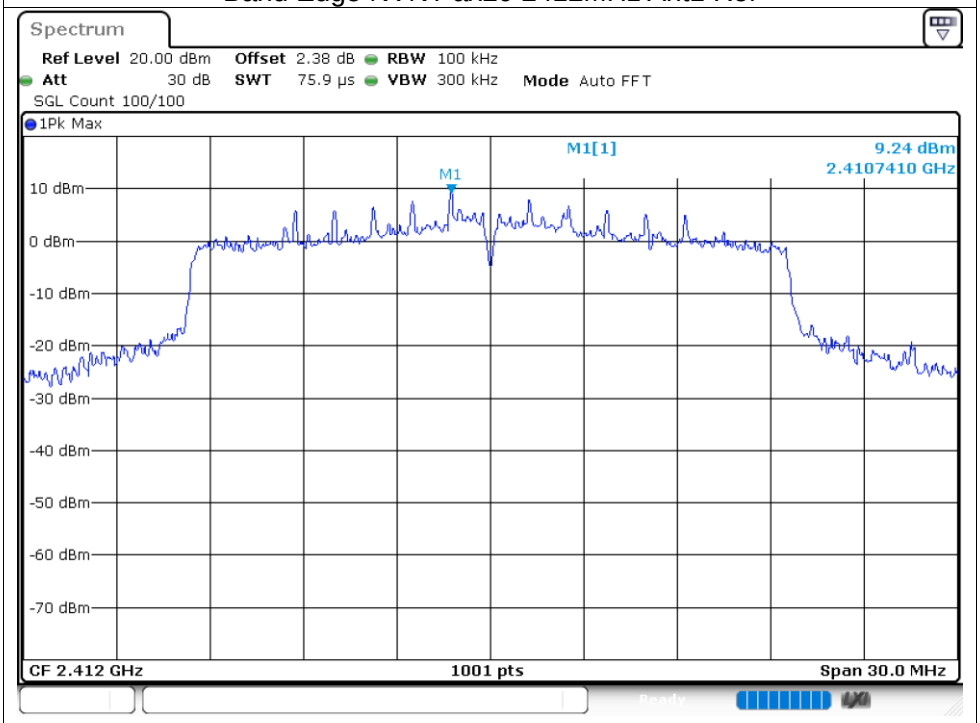
Band Edge NVNT n40 2452MHz Ant2 Emission



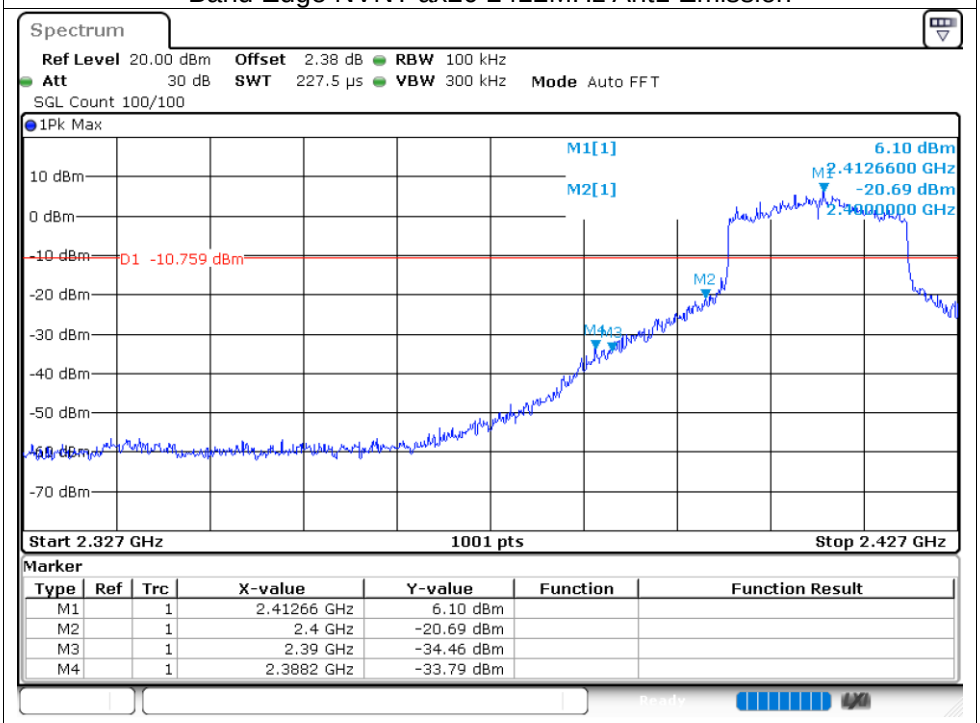
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44952 GHz	3.79 dBm		
M2		1	2.4835 GHz	-27.86 dBm		
M3		1	2.5 GHz	-39.66 dBm		
M4		1	2.4845 GHz	-24.19 dBm		

Band Edge NVNT ax20 2412MHz Ant1 Ref



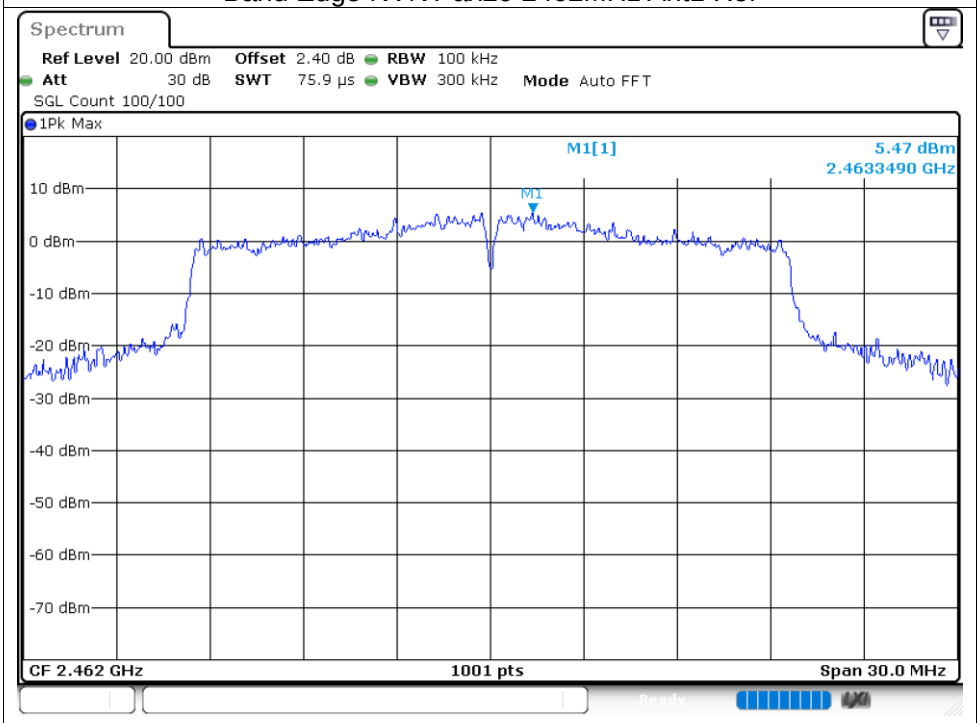
Band Edge NVNT ax20 2412MHz Ant1 Emission



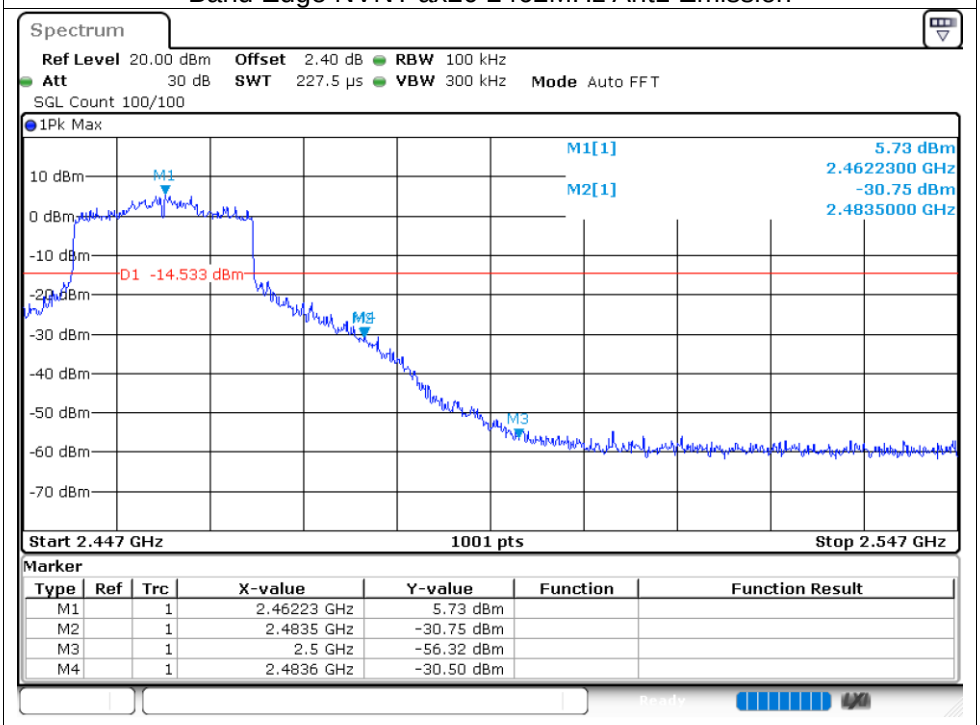
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41266 GHz	6.10 dBm		
M2		1	2.4 GHz	-20.69 dBm		
M3		1	2.39 GHz	-34.46 dBm		
M4		1	2.3882 GHz	-33.79 dBm		

Band Edge NVNT ax20 2462MHz Ant1 Ref



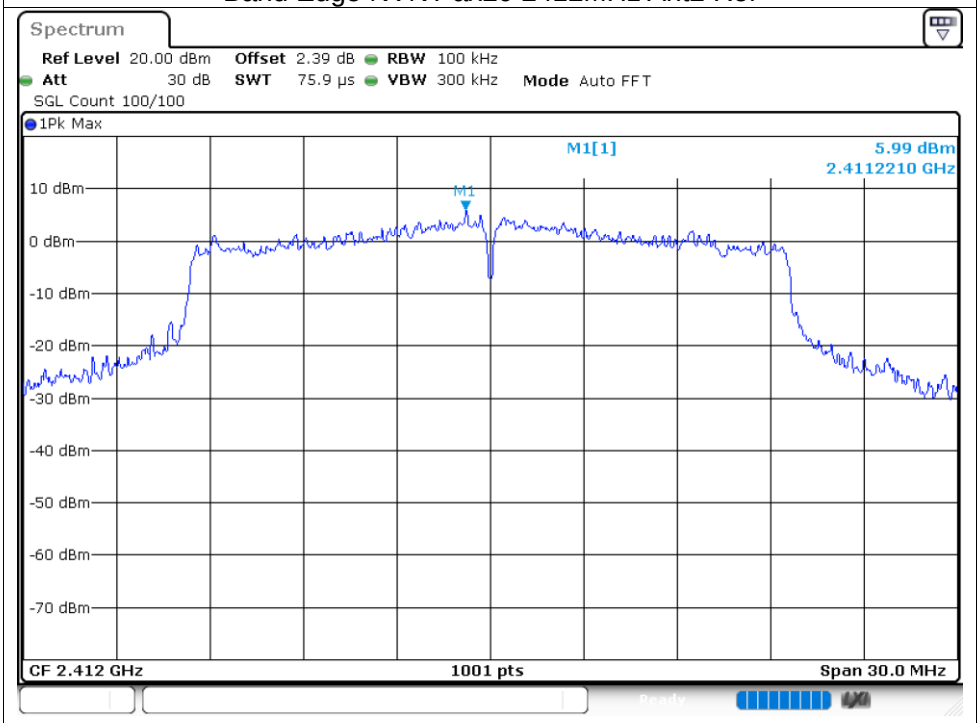
Band Edge NVNT ax20 2462MHz Ant1 Emission



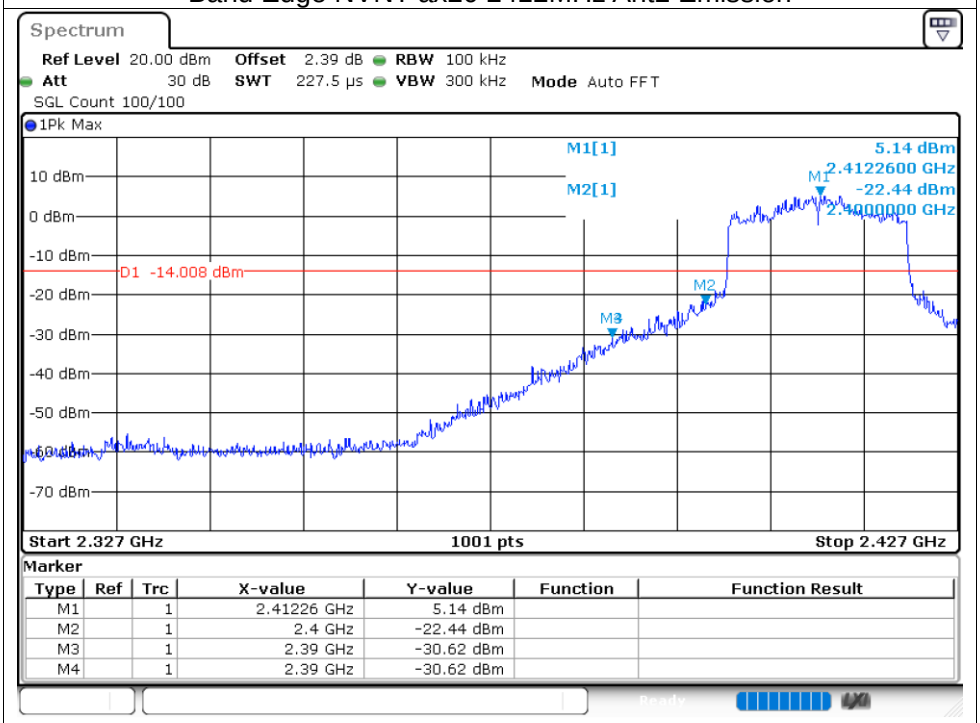
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46223 GHz	5.73 dBm		
M2		1	2.4835 GHz	-30.75 dBm		
M3		1	2.5 GHz	-56.32 dBm		
M4		1	2.4836 GHz	-30.50 dBm		

Band Edge NVNT ax20 2412MHz Ant2 Ref



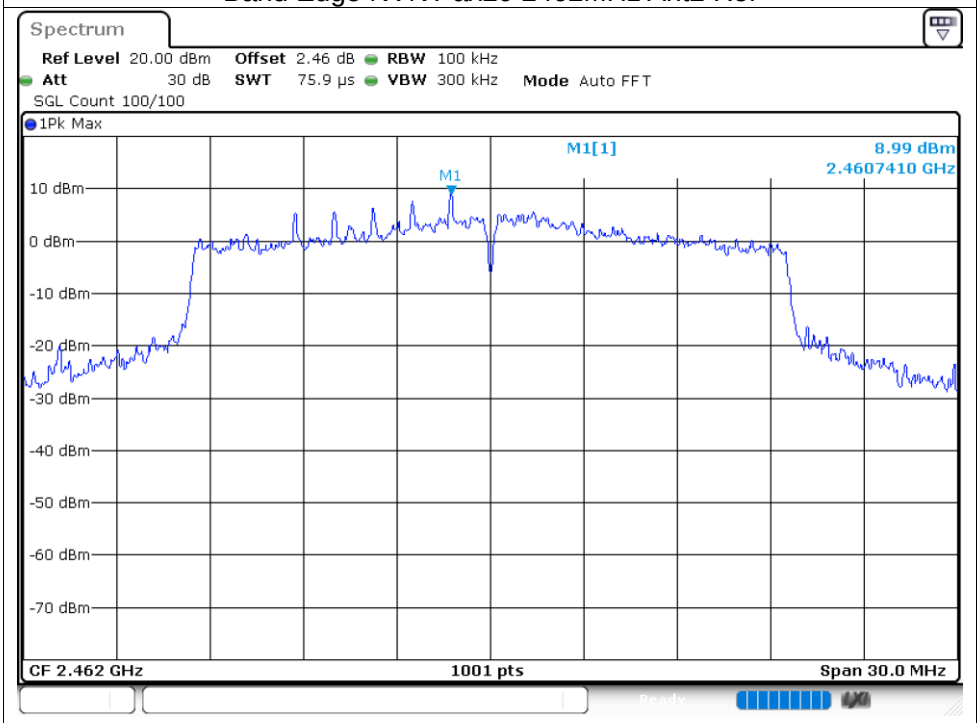
Band Edge NVNT ax20 2412MHz Ant2 Emission



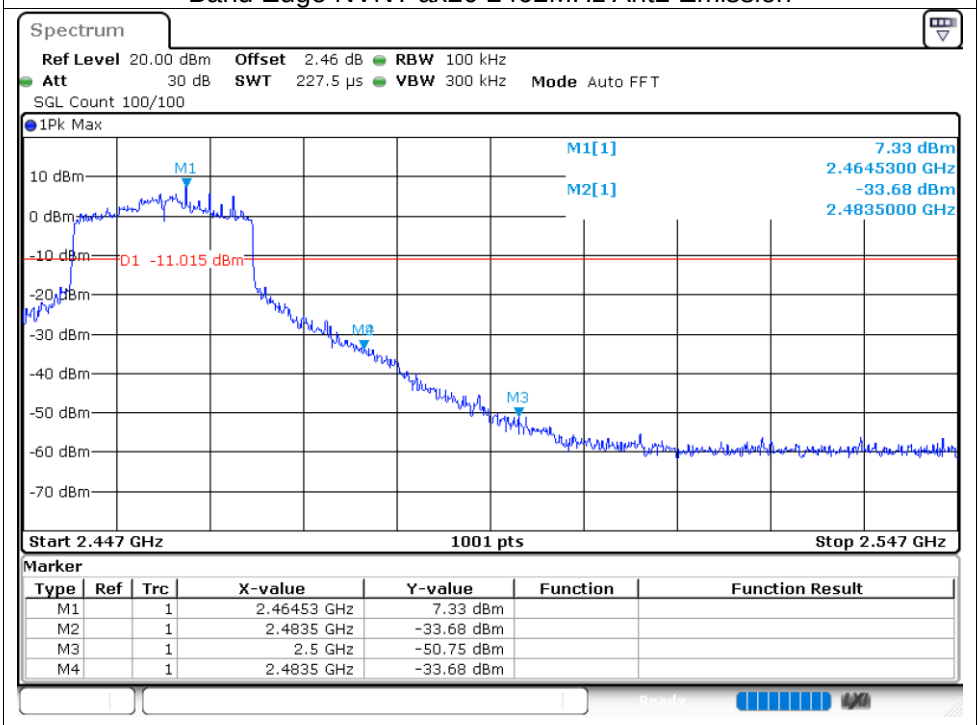
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41226 GHz	5.14 dBm		
M2		1	2.4 GHz	-22.44 dBm		
M3		1	2.39 GHz	-30.62 dBm		
M4		1	2.39 GHz	-30.62 dBm		

Band Edge NVNT ax20 2462MHz Ant2 Ref

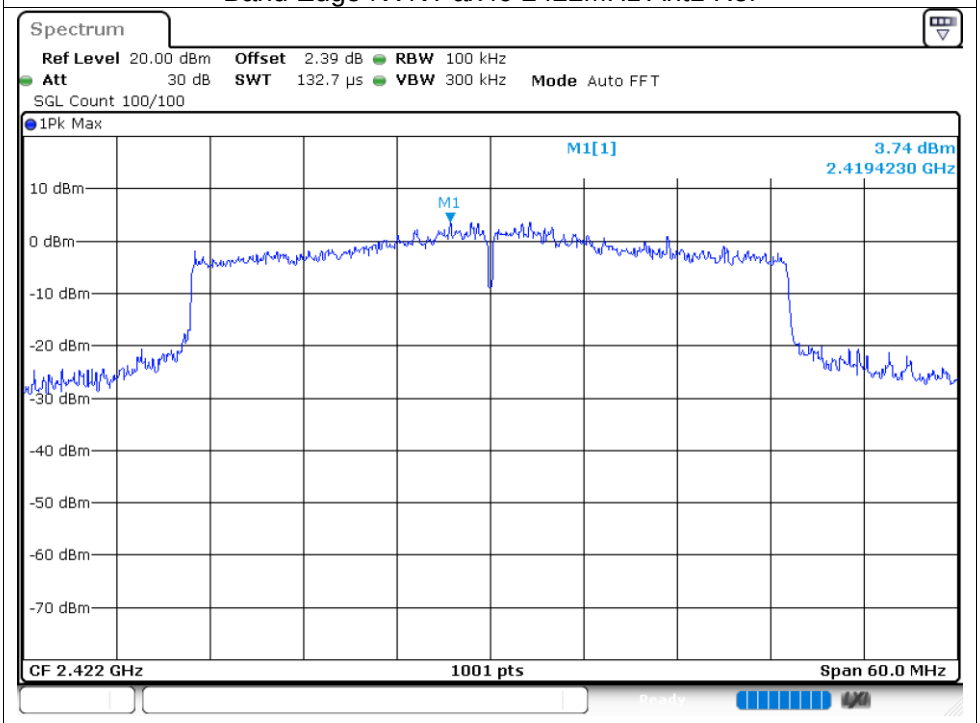


Band Edge NVNT ax20 2462MHz Ant2 Emission

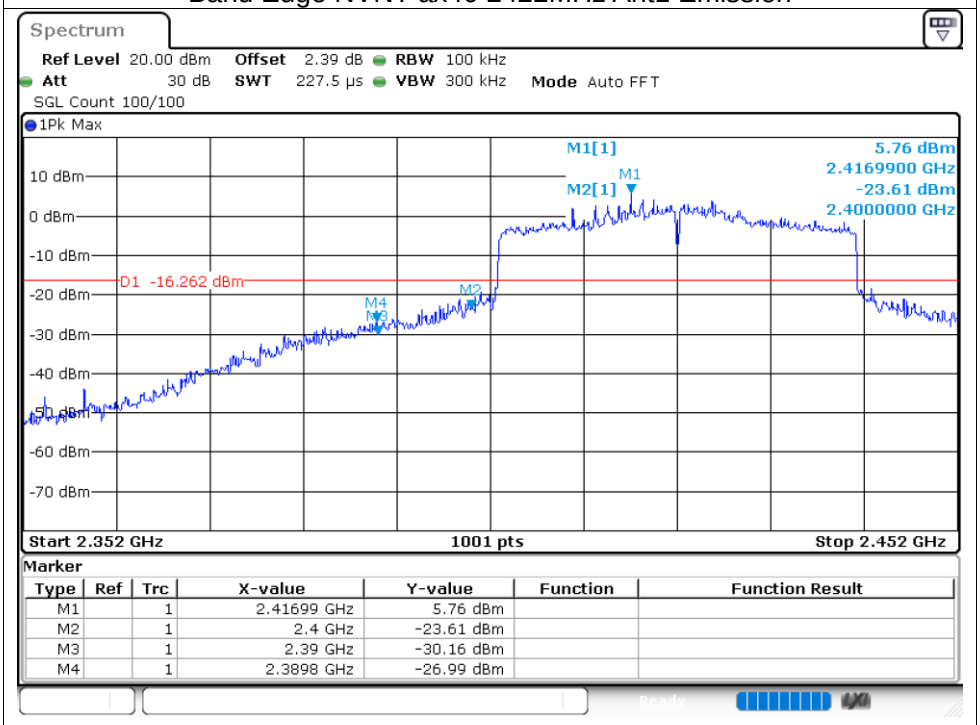


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46453 GHz	7.33 dBm		
M2		1	2.4835 GHz	-33.68 dBm		
M3		1	2.5 GHz	-50.75 dBm		
M4		1	2.4835 GHz	-33.68 dBm		

Band Edge NVNT ax40 2422MHz Ant1 Ref



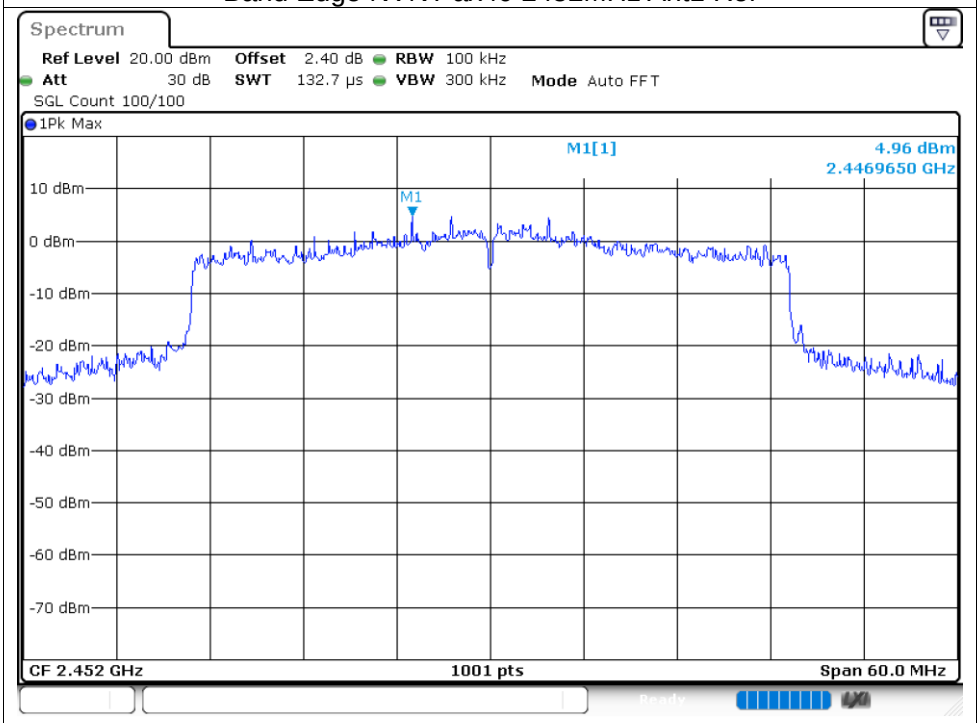
Band Edge NVNT ax40 2422MHz Ant1 Emission



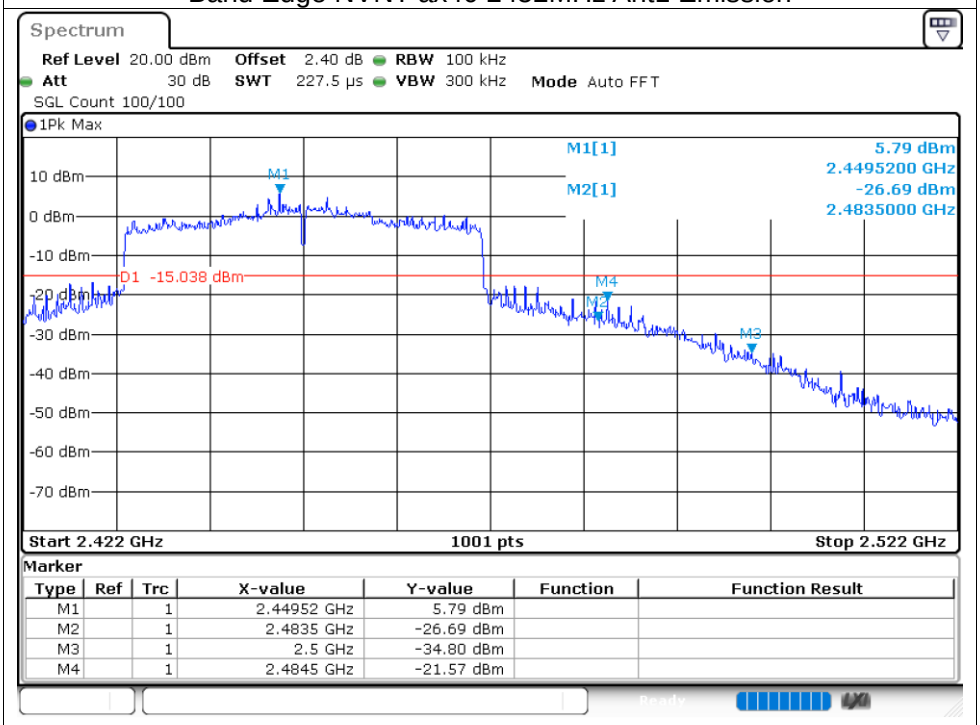
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41699 GHz	5.76 dBm		
M2		1	2.4 GHz	-23.61 dBm		
M3		1	2.39 GHz	-30.16 dBm		
M4		1	2.3898 GHz	-26.99 dBm		

Band Edge NVNT ax40 2452MHz Ant1 Ref



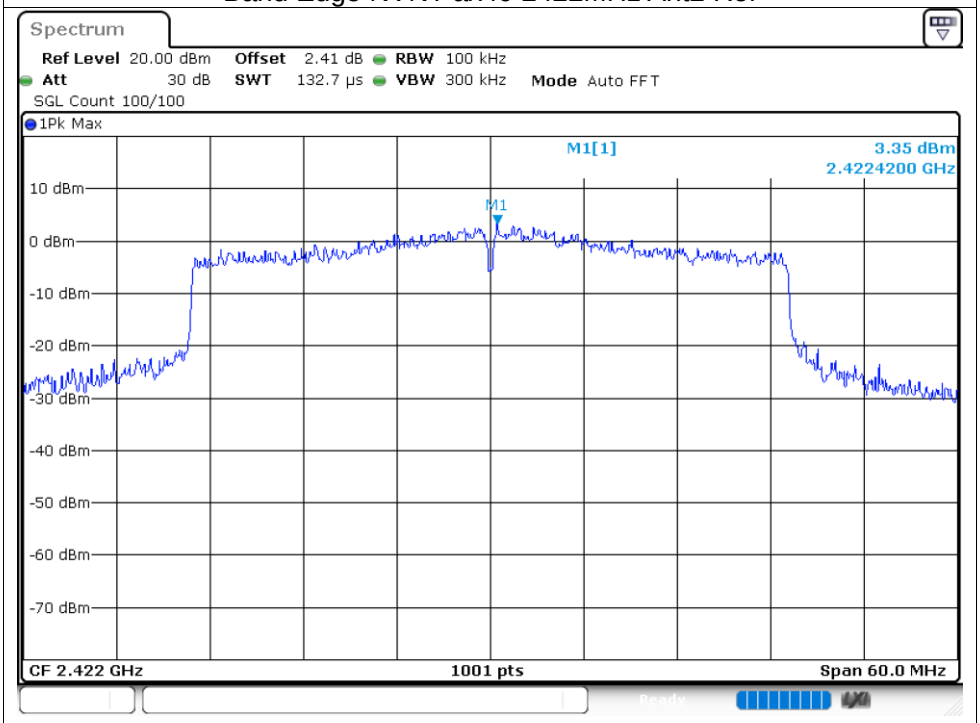
Band Edge NVNT ax40 2452MHz Ant1 Emission



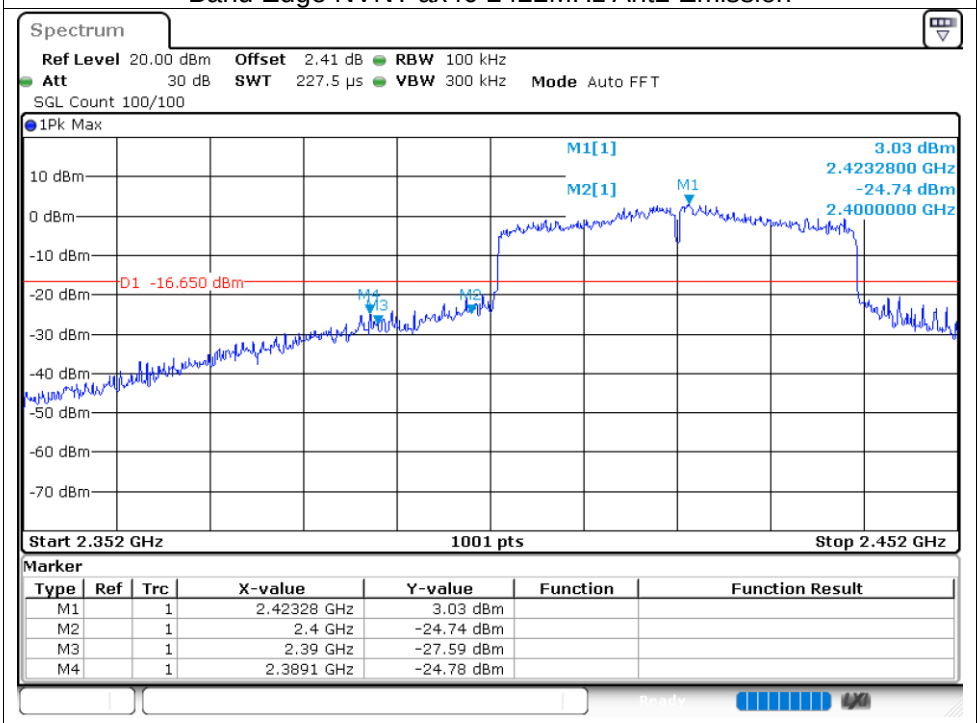
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44952 GHz	5.79 dBm		
M2		1	2.4835 GHz	-26.69 dBm		
M3		1	2.5 GHz	-34.80 dBm		
M4		1	2.4845 GHz	-21.57 dBm		

Band Edge NVNT ax40 2422MHz Ant2 Ref



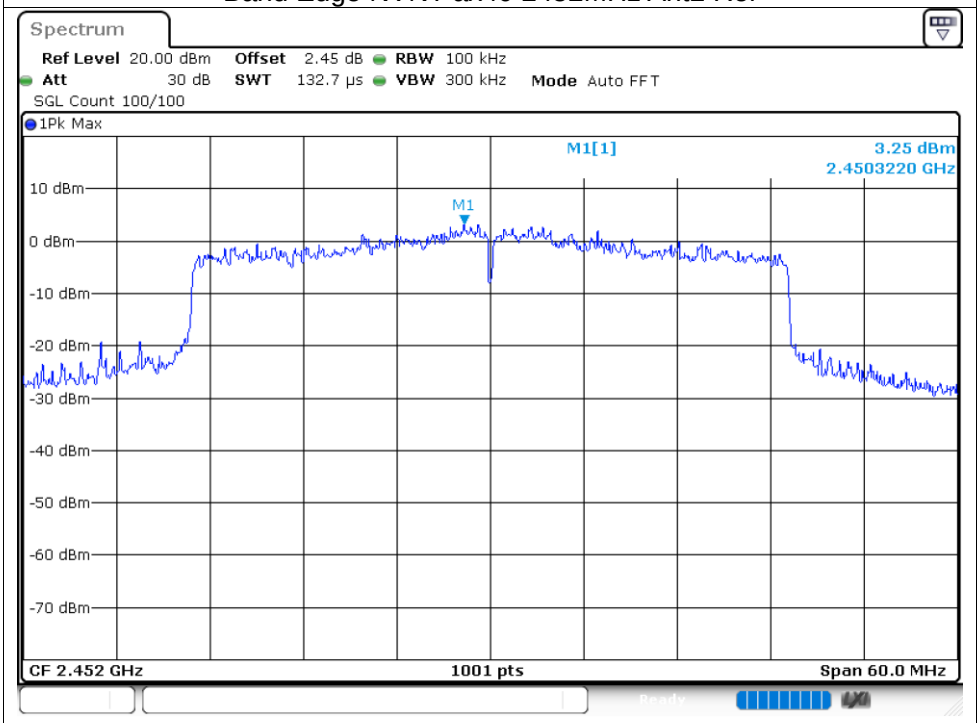
Band Edge NVNT ax40 2422MHz Ant2 Emission



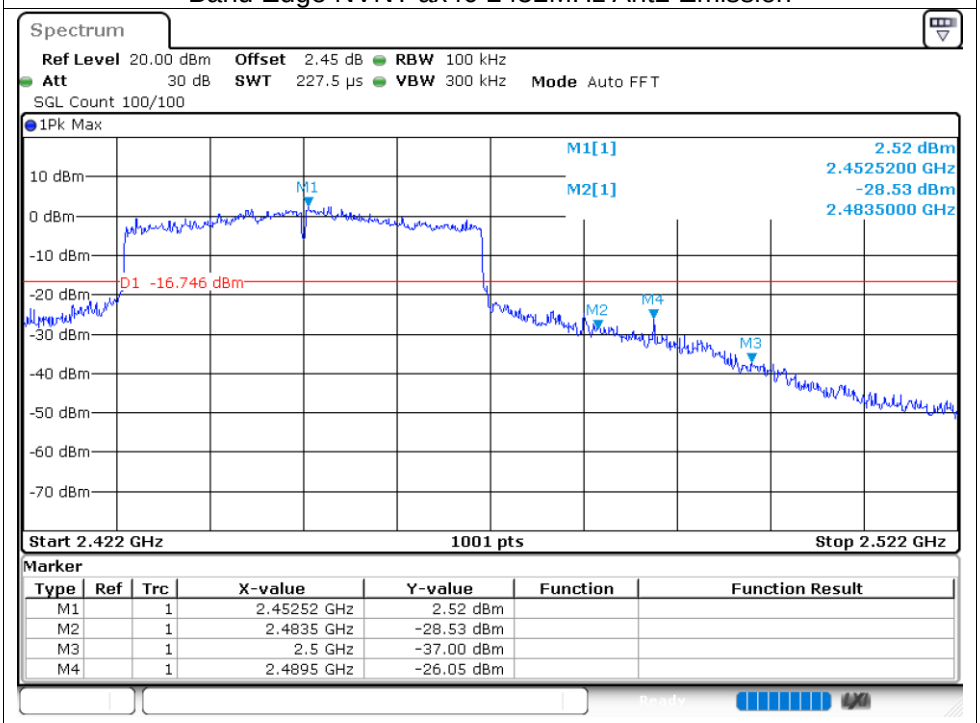
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42328 GHz	3.03 dBm		
M2		1	2.4 GHz	-24.74 dBm		
M3		1	2.39 GHz	-27.59 dBm		
M4		1	2.3891 GHz	-24.78 dBm		

Band Edge NVNT ax40 2452MHz Ant2 Ref



Band Edge NVNT ax40 2452MHz Ant2 Emission



Marker

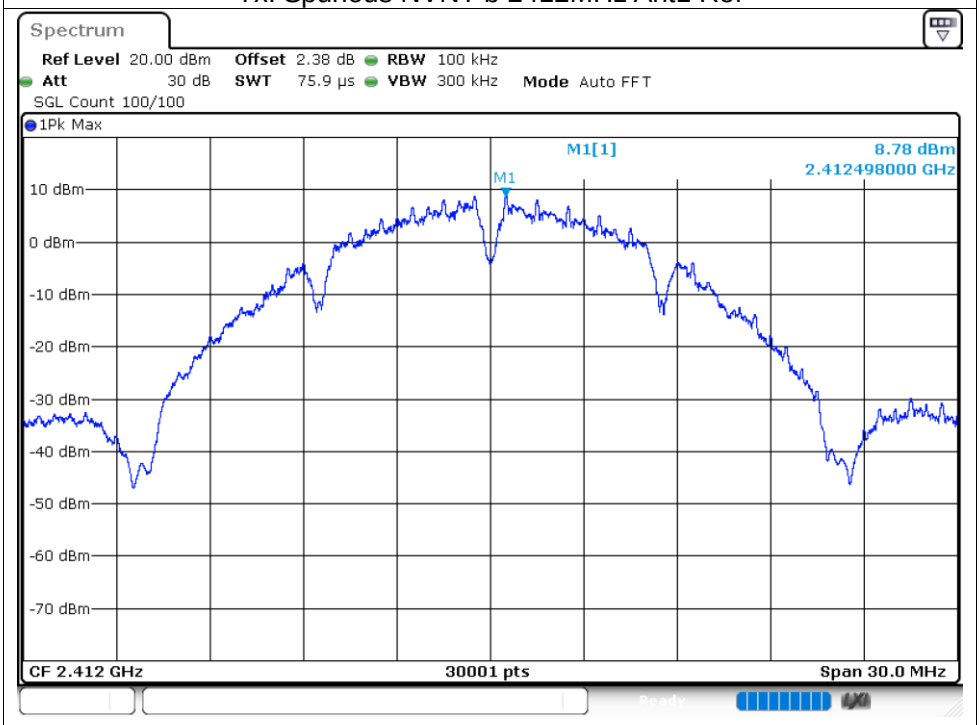
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45252 GHz	2.52 dBm		
M2		1	2.4835 GHz	-28.53 dBm		
M3		1	2.5 GHz	-37.00 dBm		
M4		1	2.4895 GHz	-26.05 dBm		

8.1.7 Conducted RF Spurious Emission

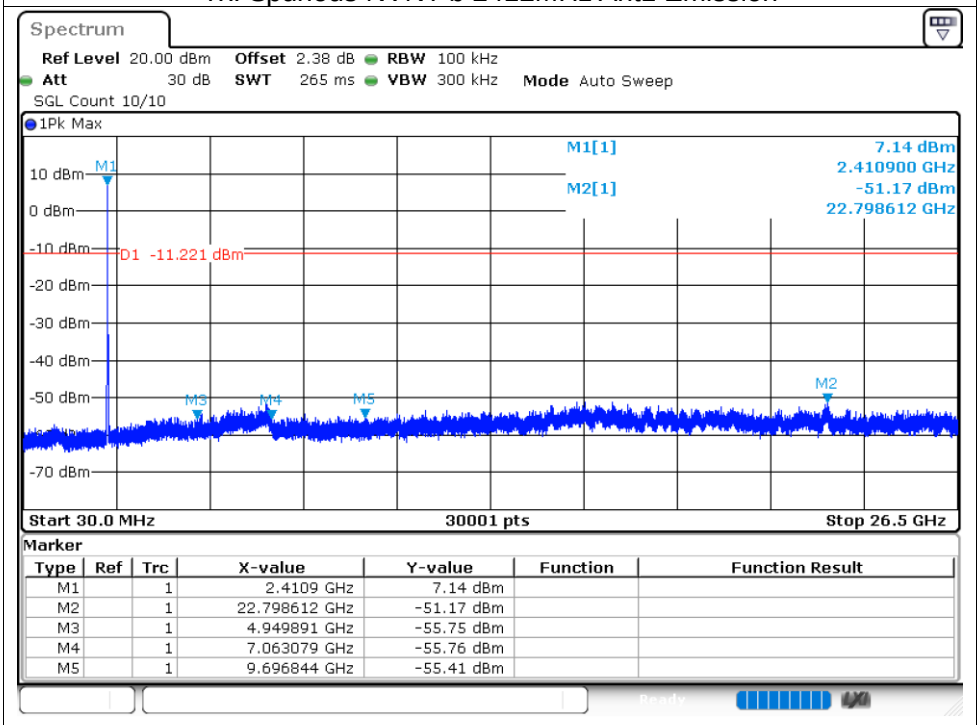
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-59.95	-20	Pass
NVNT	b	2437	Ant1	-60.53	-20	Pass
NVNT	b	2462	Ant1	-60.41	-20	Pass
NVNT	b	2412	Ant2	-61.78	-20	Pass
NVNT	b	2437	Ant2	-61.68	-20	Pass
NVNT	b	2462	Ant2	-60.65	-20	Pass
NVNT	g	2412	Ant1	-59.41	-20	Pass
NVNT	g	2437	Ant1	-61.72	-20	Pass
NVNT	g	2462	Ant1	-57.83	-20	Pass
NVNT	g	2412	Ant2	-61	-20	Pass
NVNT	g	2437	Ant2	-58.49	-20	Pass
NVNT	g	2462	Ant2	-56.32	-20	Pass
NVNT	n20	2412	Ant1	-57.58	-20	Pass
NVNT	n20	2437	Ant1	-58.12	-20	Pass
NVNT	n20	2462	Ant1	-57.06	-20	Pass
NVNT	n20	2412	Ant2	-58.25	-20	Pass
NVNT	n20	2437	Ant2	-56.7	-20	Pass
NVNT	n20	2462	Ant2	-57.88	-20	Pass
NVNT	n40	2422	Ant1	-55.15	-20	Pass
NVNT	n40	2437	Ant1	-55.19	-20	Pass
NVNT	n40	2452	Ant1	-52.08	-20	Pass
NVNT	n40	2422	Ant2	-54.49	-20	Pass
NVNT	n40	2437	Ant2	-54.59	-20	Pass
NVNT	n40	2452	Ant2	-53.29	-20	Pass
NVNT	ax20	2412	Ant1	-56.97	-20	Pass
NVNT	ax20	2437	Ant1	-57.61	-20	Pass
NVNT	ax20	2462	Ant1	-57.81	-20	Pass
NVNT	ax20	2412	Ant2	-57.53	-20	Pass
NVNT	ax20	2437	Ant2	-58.51	-20	Pass
NVNT	ax20	2462	Ant2	-57.25	-20	Pass
NVNT	ax40	2422	Ant1	-54.9	-20	Pass
NVNT	ax40	2437	Ant1	-51.59	-20	Pass
NVNT	ax40	2452	Ant1	-54.23	-20	Pass
NVNT	ax40	2422	Ant2	-54.92	-20	Pass
NVNT	ax40	2437	Ant2	-55.34	-20	Pass
NVNT	ax40	2452	Ant2	-52.18	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



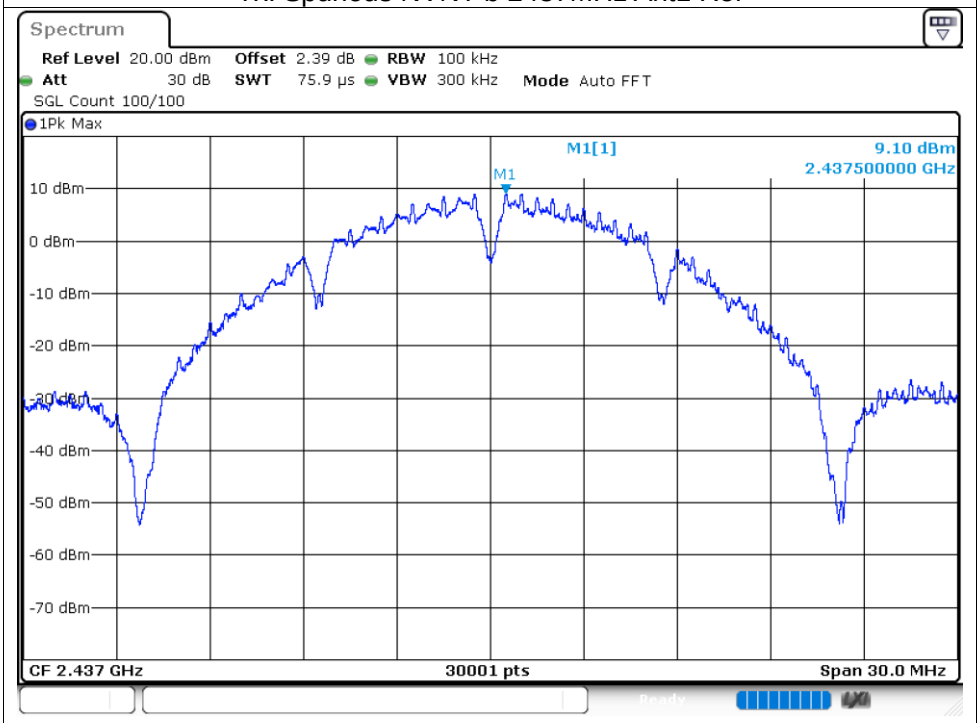
Tx. Spurious NVNT b 2412MHz Ant1 Emission



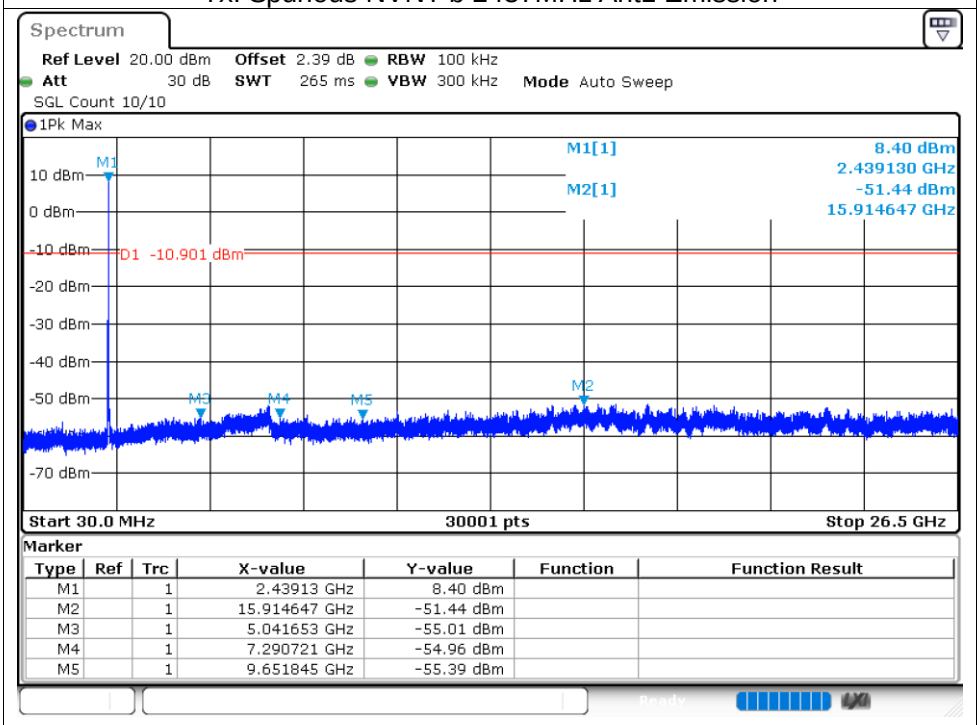
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4109 GHz	7.14 dBm		
M2		1	22.798612 GHz	-51.17 dBm		
M3		1	4.949891 GHz	-55.75 dBm		
M4		1	7.063079 GHz	-55.76 dBm		
M5		1	9.696844 GHz	-55.41 dBm		

Tx. Spurious NVNT b 2437MHz Ant1 Ref



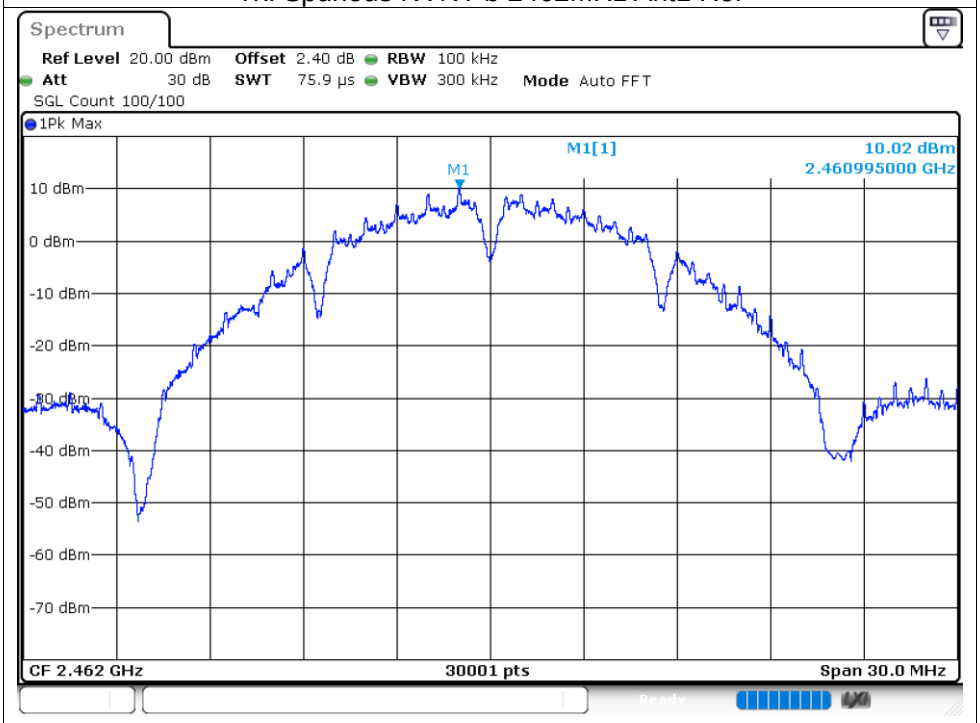
Tx. Spurious NVNT b 2437MHz Ant1 Emission



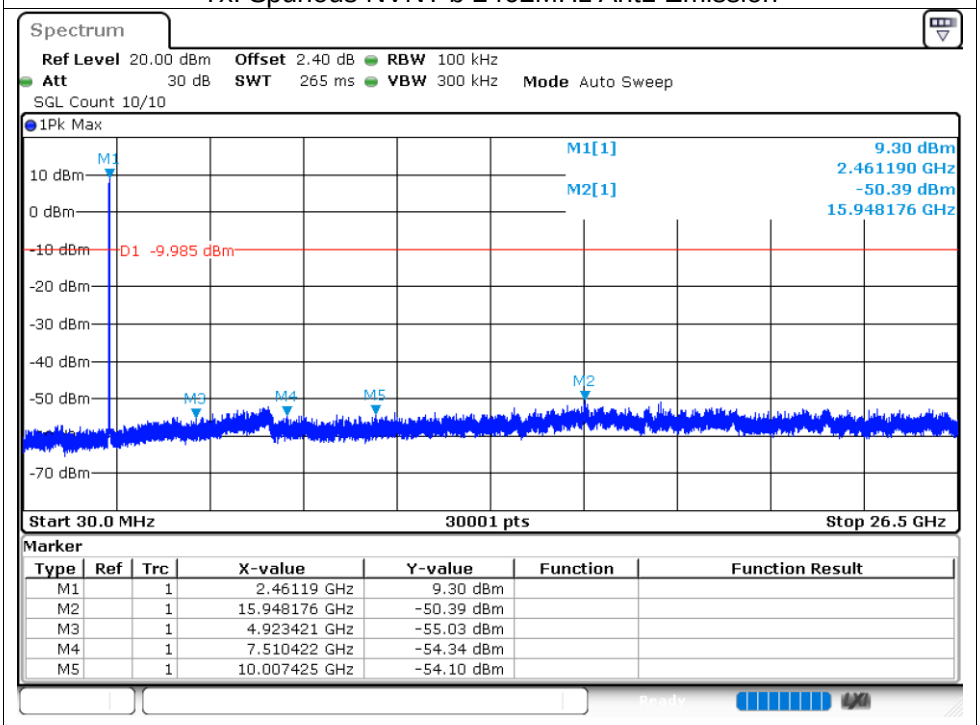
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43913 GHz	8.40 dBm		
M2		1	15.914647 GHz	-51.44 dBm		
M3		1	5.041653 GHz	-55.01 dBm		
M4		1	7.290721 GHz	-54.96 dBm		
M5		1	9.651845 GHz	-55.39 dBm		

Tx. Spurious NVNT b 2462MHz Ant1 Ref



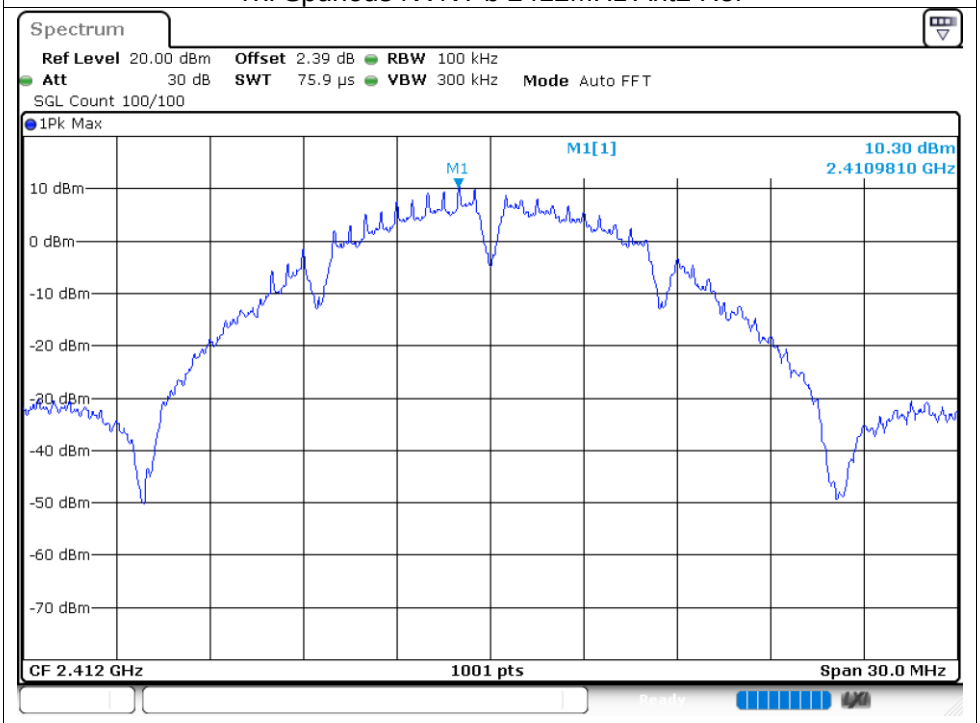
Tx. Spurious NVNT b 2462MHz Ant1 Emission



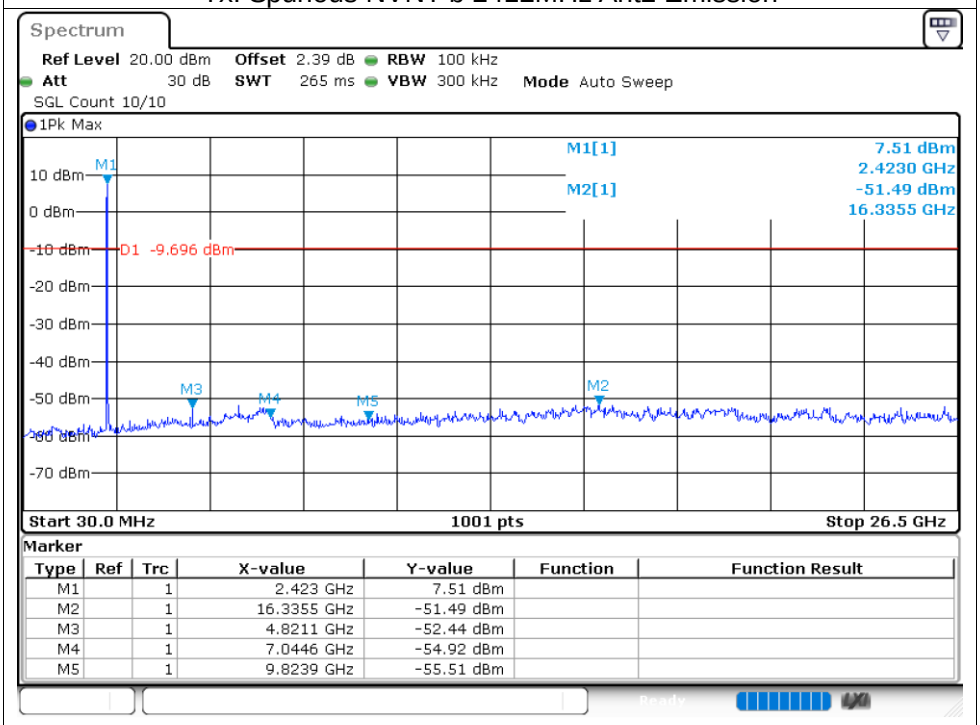
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46119 GHz	9.30 dBm		
M2		1	15.948176 GHz	-50.39 dBm		
M3		1	4.923421 GHz	-55.03 dBm		
M4		1	7.510422 GHz	-54.34 dBm		
M5		1	10.007425 GHz	-54.10 dBm		

Tx. Spurious NVNT b 2412MHz Ant2 Ref



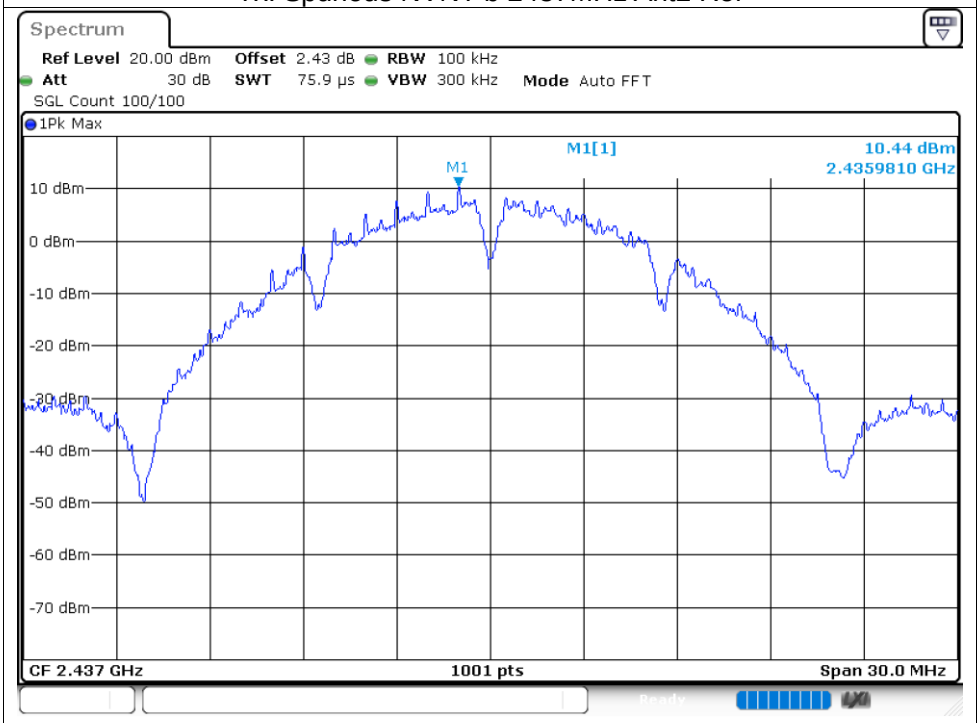
Tx. Spurious NVNT b 2412MHz Ant2 Emission



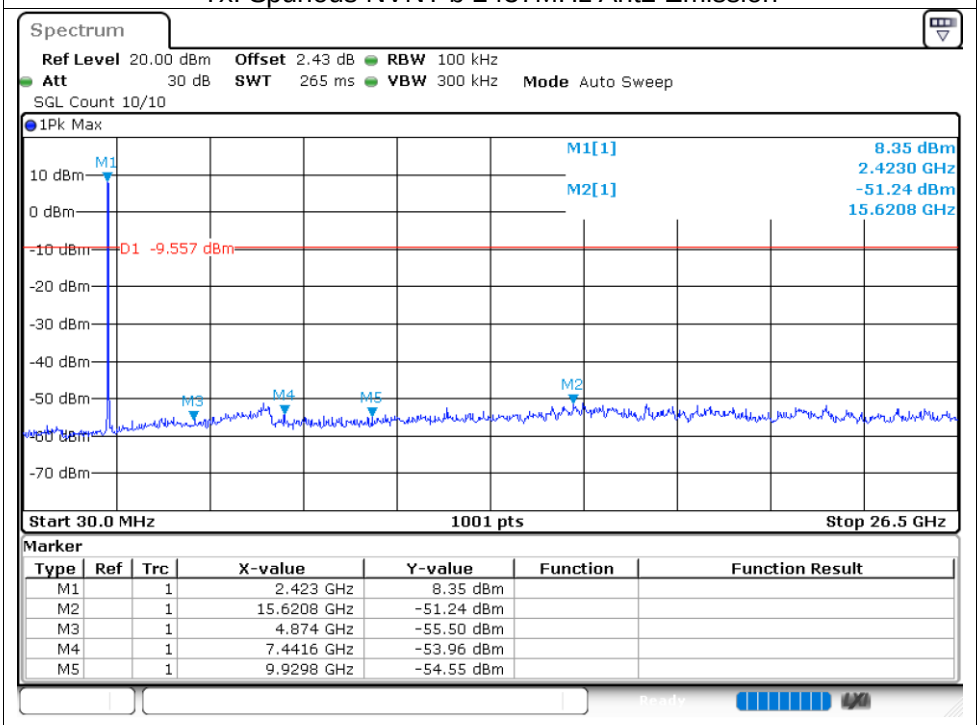
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	7.51 dBm		
M2		1	16.3355 GHz	-51.49 dBm		
M3		1	4.8211 GHz	-52.44 dBm		
M4		1	7.0446 GHz	-54.92 dBm		
M5		1	9.8239 GHz	-55.51 dBm		

Tx. Spurious NVNT b 2437MHz Ant2 Ref



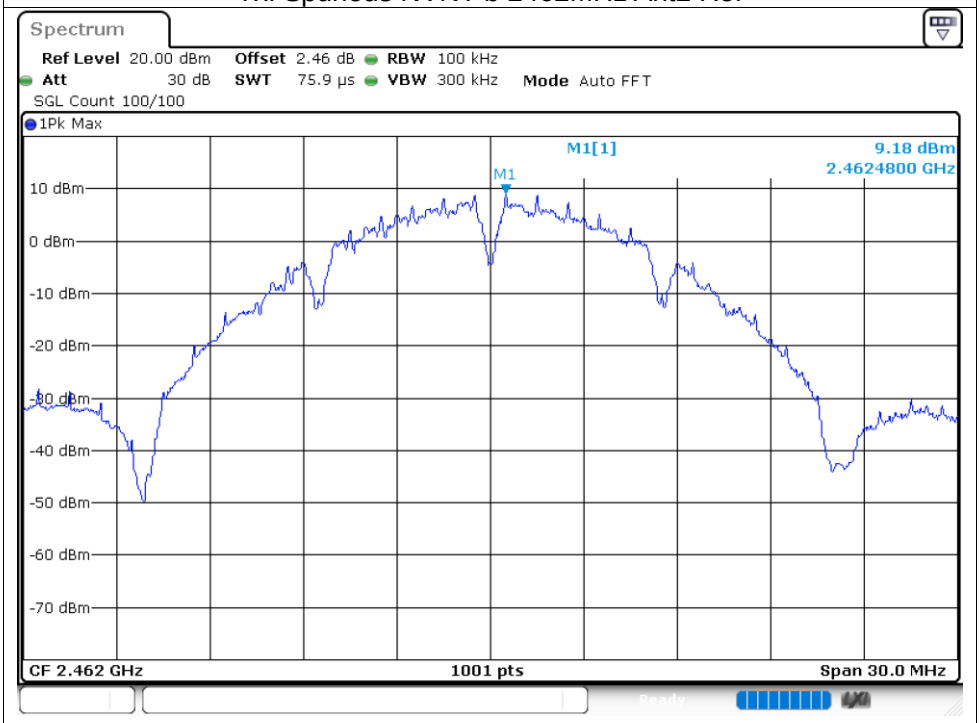
Tx. Spurious NVNT b 2437MHz Ant2 Emission



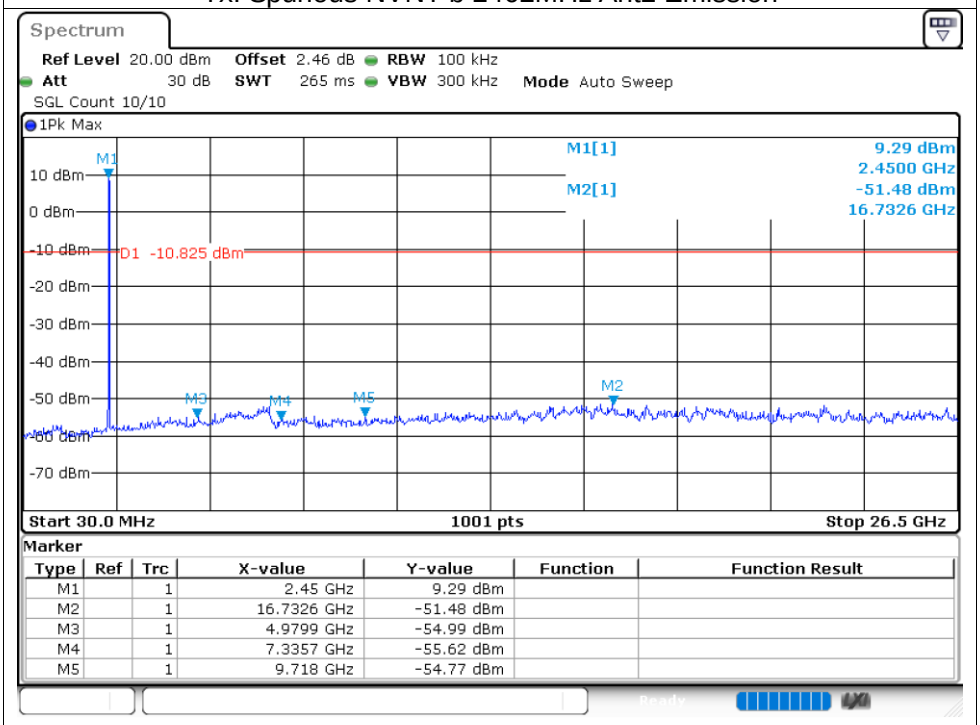
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	8.35 dBm		
M2		1	15.6208 GHz	-51.24 dBm		
M3		1	4.874 GHz	-55.50 dBm		
M4		1	7.4416 GHz	-53.96 dBm		
M5		1	9.9298 GHz	-54.55 dBm		

Tx. Spurious NVNT b 2462MHz Ant2 Ref



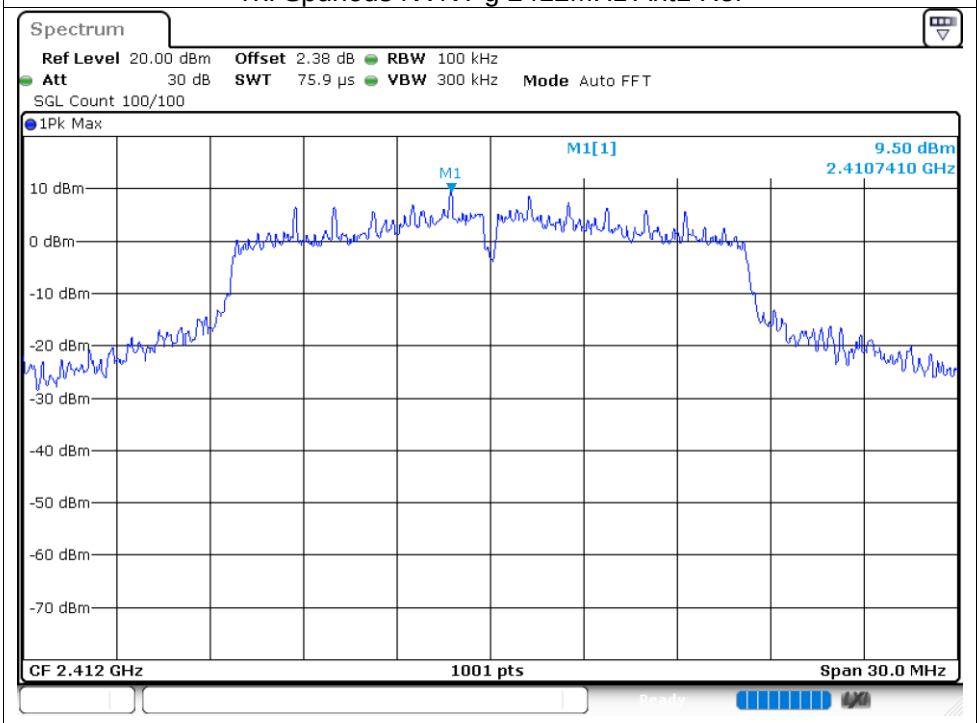
Tx. Spurious NVNT b 2462MHz Ant2 Emission



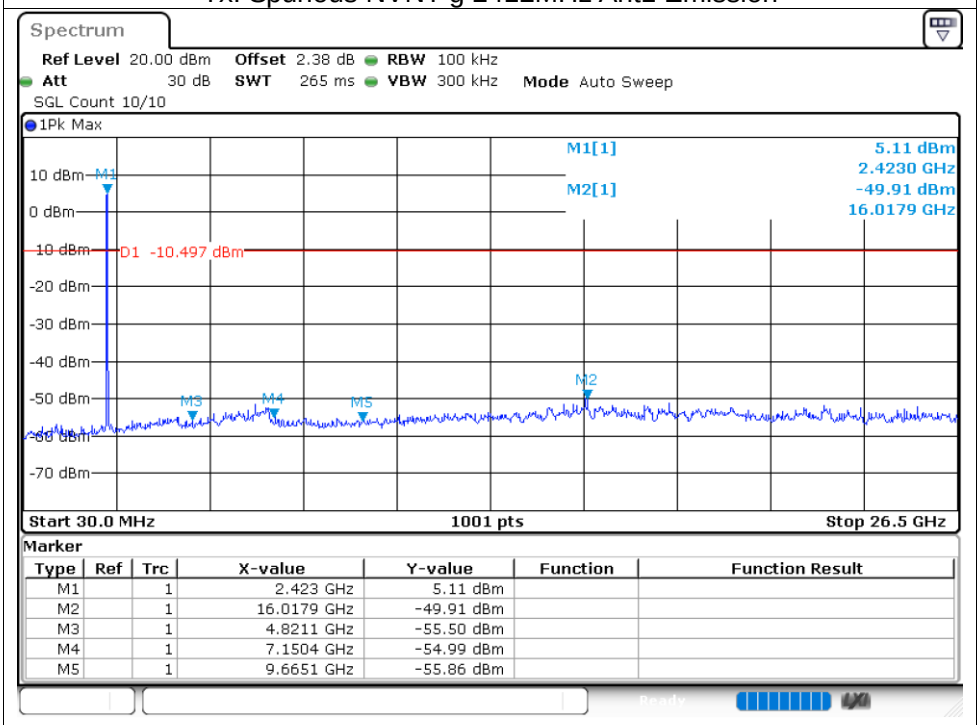
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	9.29 dBm		
M2		1	16.7326 GHz	-51.48 dBm		
M3		1	4.9799 GHz	-54.99 dBm		
M4		1	7.3357 GHz	-55.62 dBm		
M5		1	9.718 GHz	-54.77 dBm		

Tx. Spurious NVNT g 2412MHz Ant1 Ref



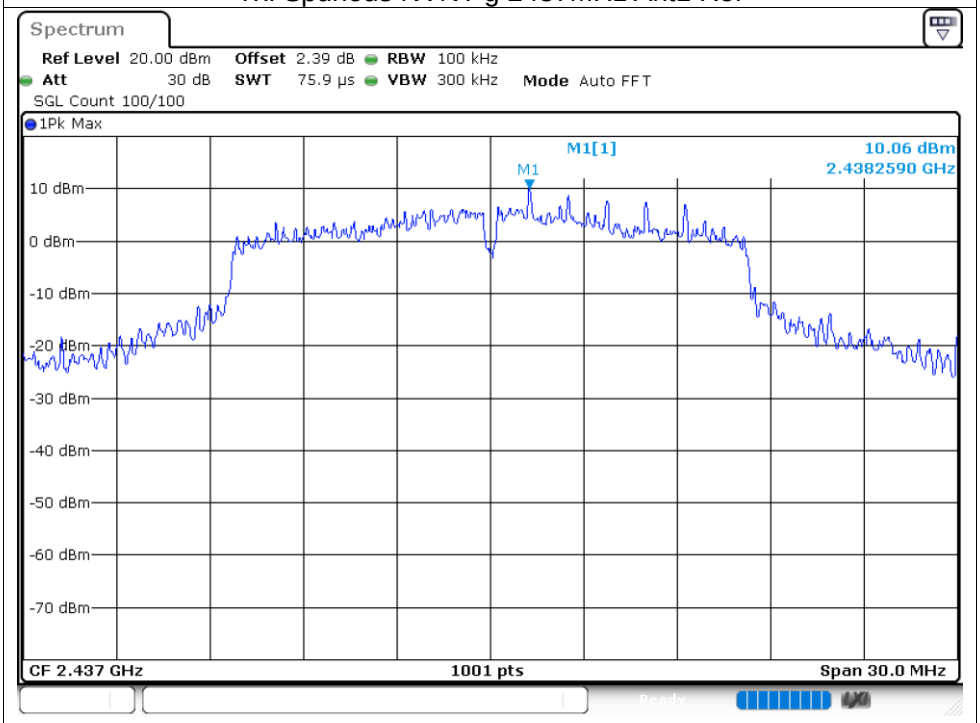
Tx. Spurious NVNT g 2412MHz Ant1 Emission



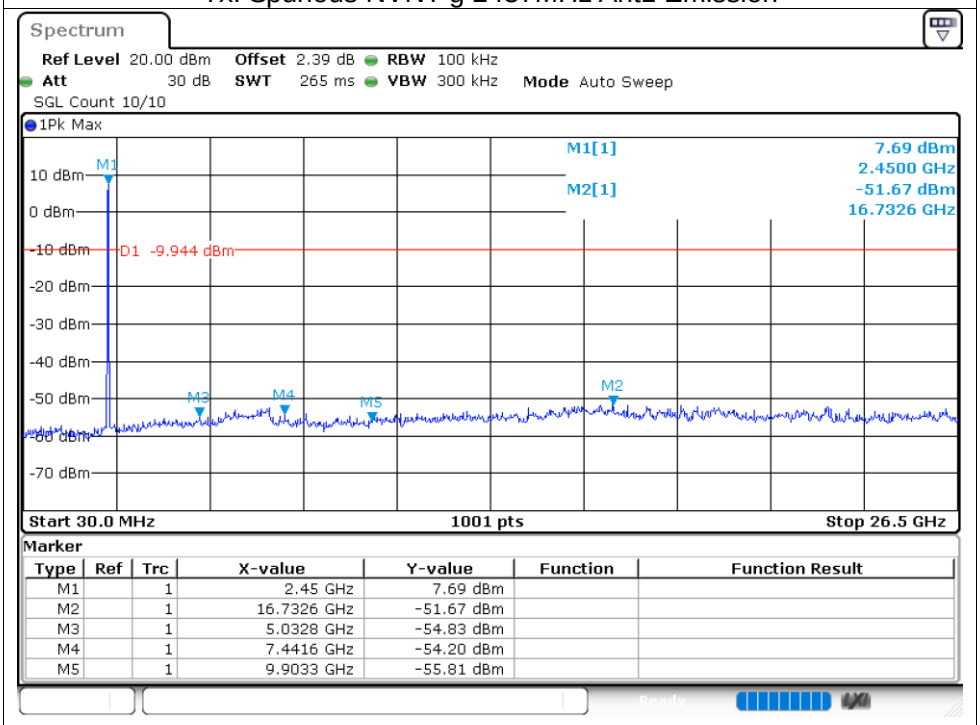
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	5.11 dBm		
M2		1	16.0179 GHz	-49.91 dBm		
M3		1	4.8211 GHz	-55.50 dBm		
M4		1	7.1504 GHz	-54.99 dBm		
M5		1	9.6651 GHz	-55.86 dBm		

Tx. Spurious NVNT g 2437MHz Ant1 Ref



Tx. Spurious NVNT g 2437MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	7.69 dBm		
M2		1	16.7326 GHz	-51.67 dBm		
M3		1	5.0328 GHz	-54.83 dBm		
M4		1	7.4416 GHz	-54.20 dBm		
M5		1	9.9033 GHz	-55.81 dBm		