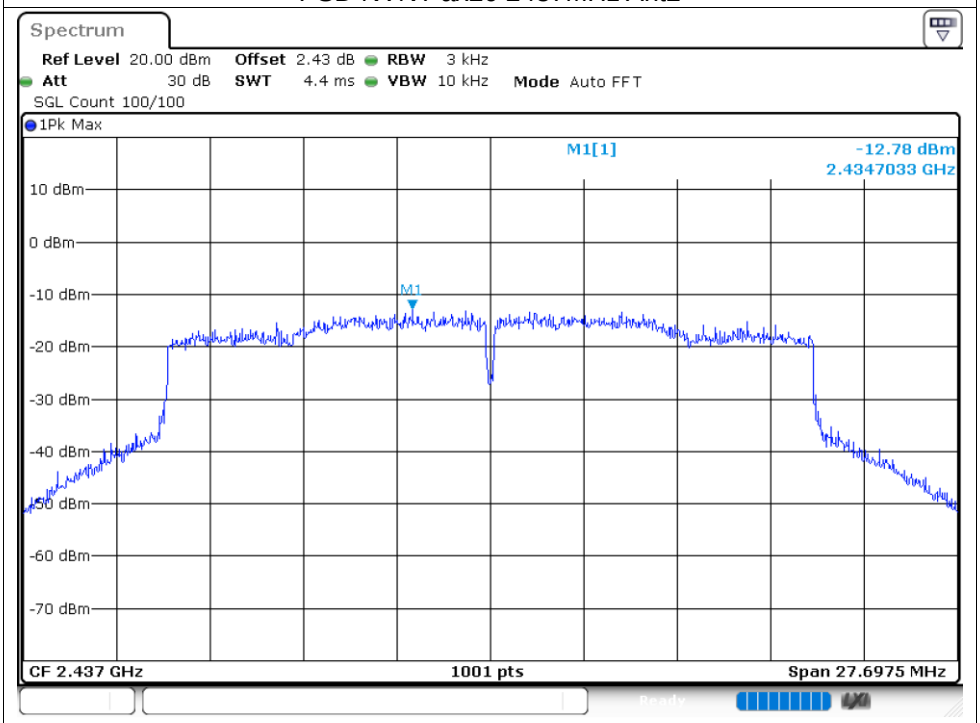
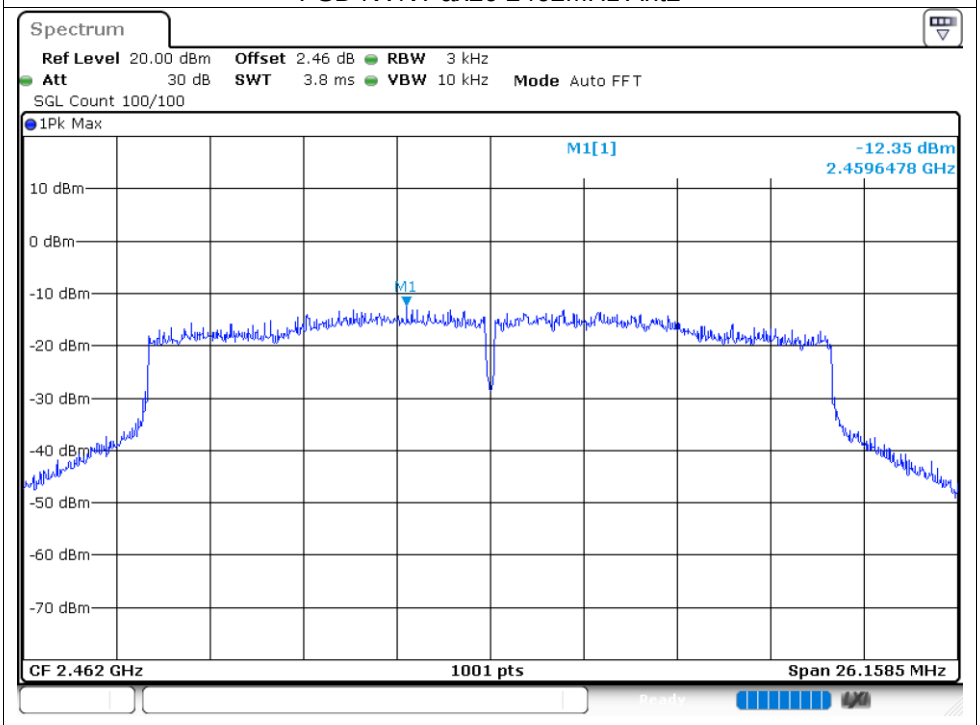
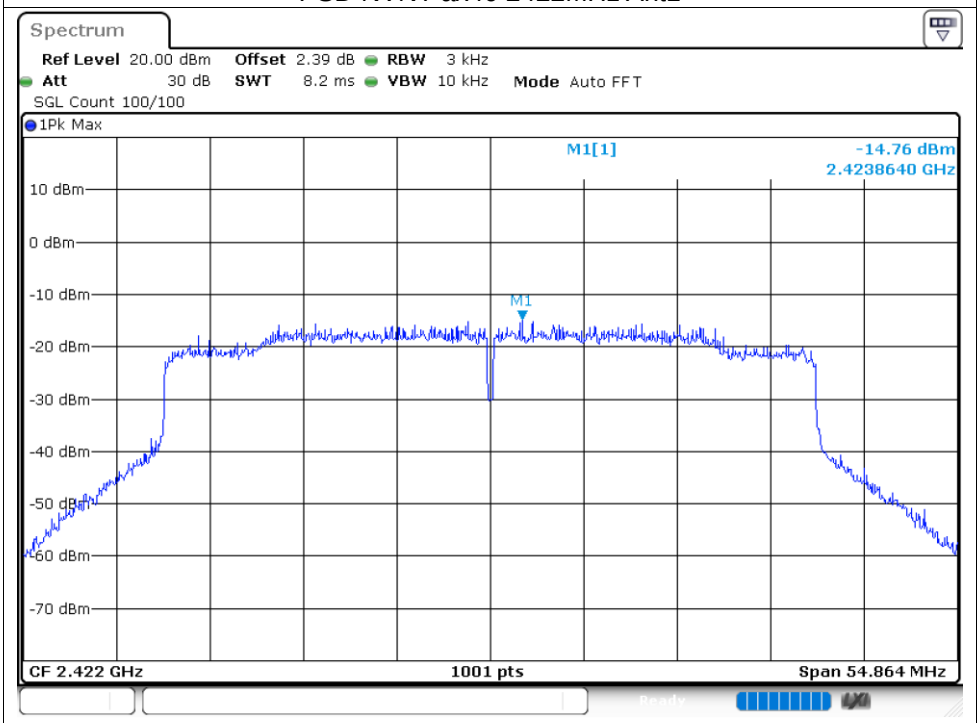
PSD NVNT ax20 2437MHz Ant2



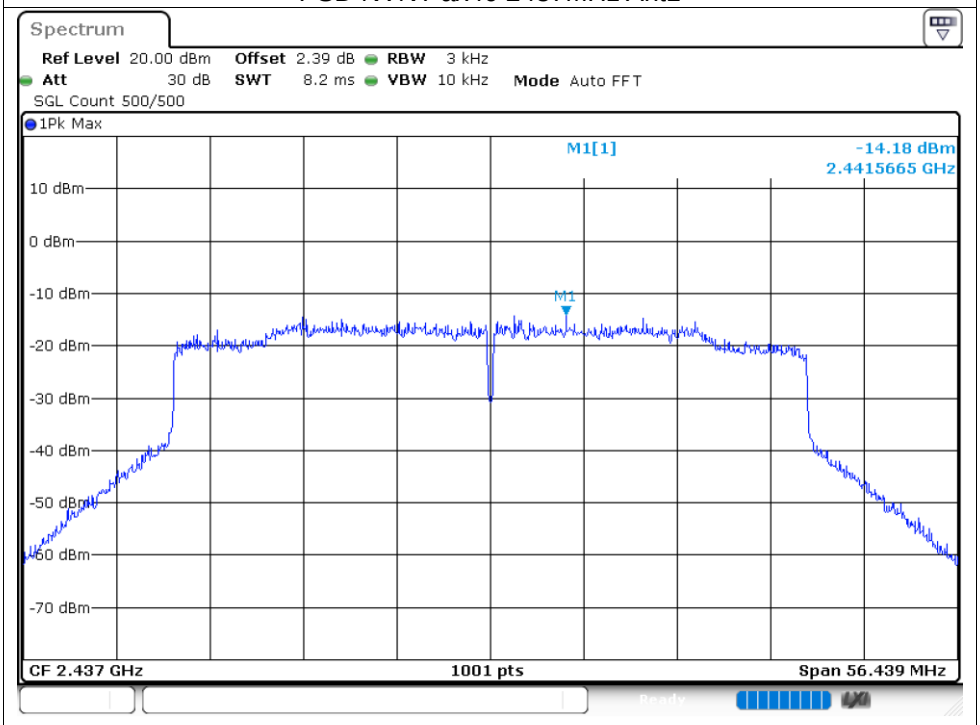
PSD NVNT ax20 2462MHz Ant2



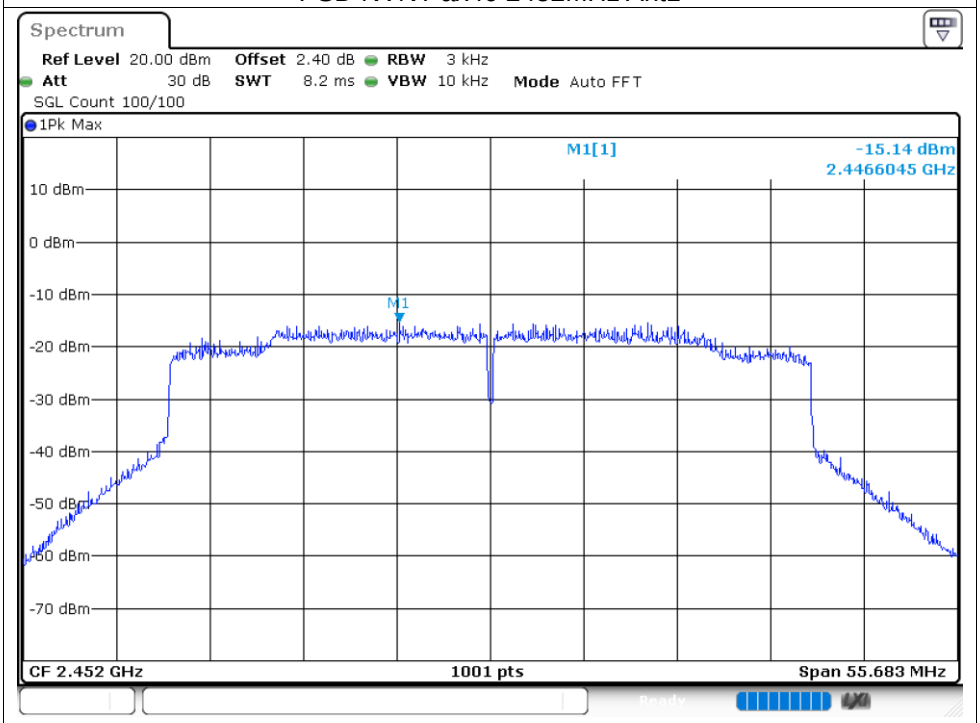
PSD NVNT ax40 2422MHz Ant1



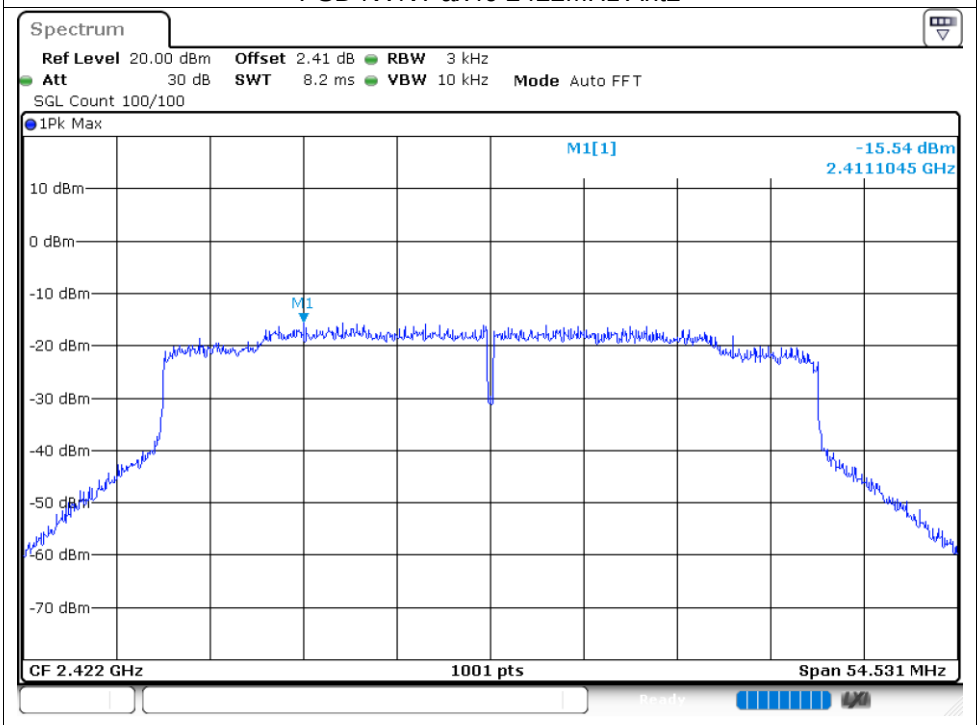
PSD NVNT ax40 2437MHz Ant1



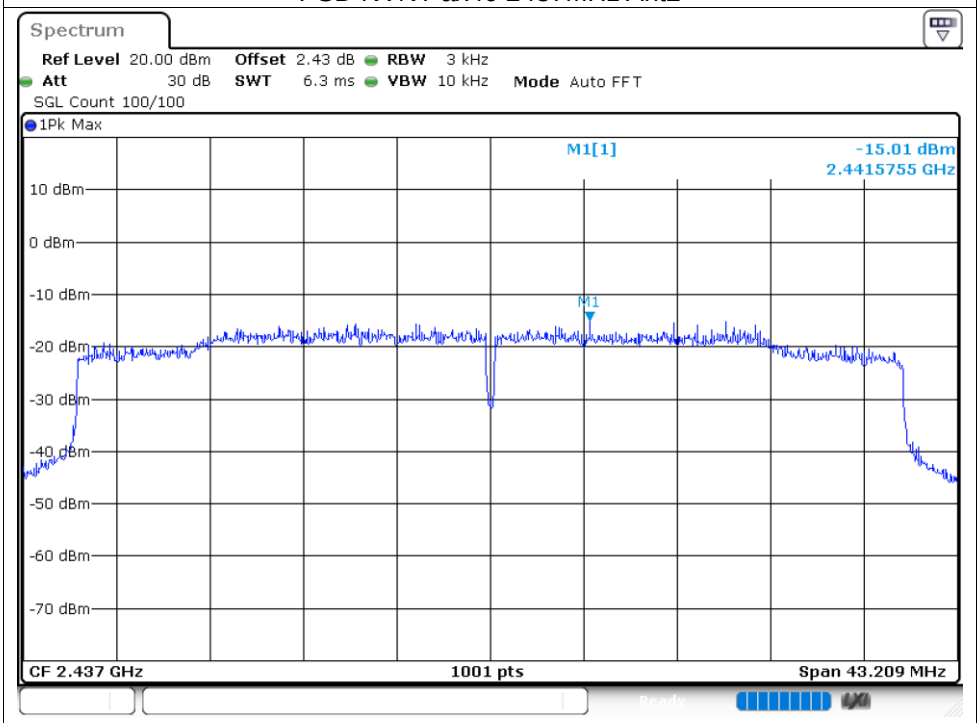
PSD NVNT ax40 2452MHz Ant1



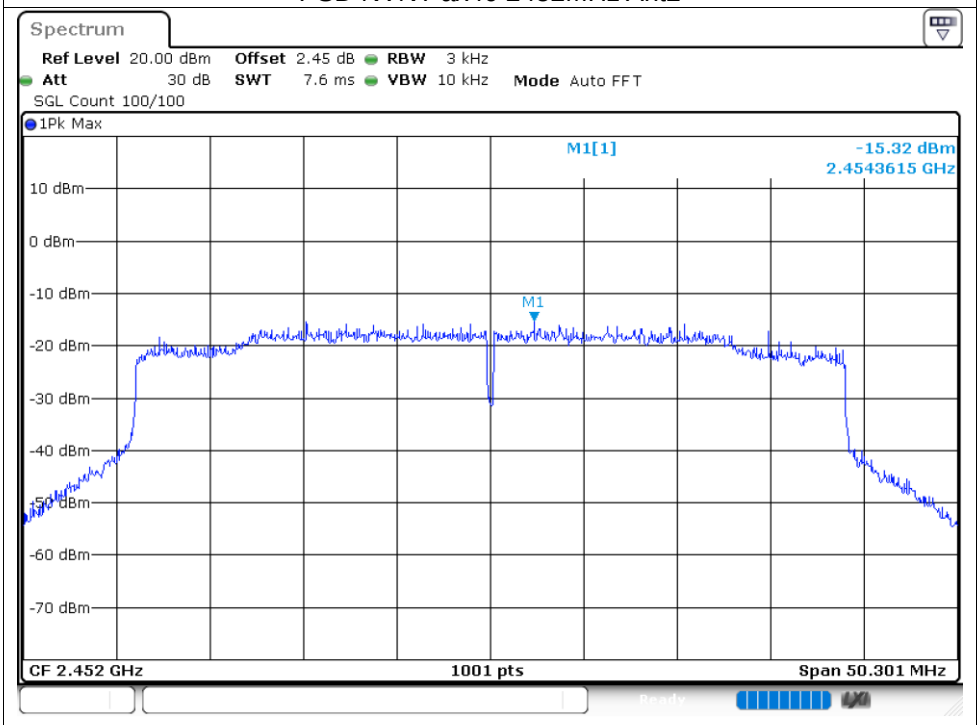
PSD NVNT ax40 2422MHz Ant2



PSD NVNT ax40 2437MHz Ant2



PSD NVNT ax40 2452MHz Ant2

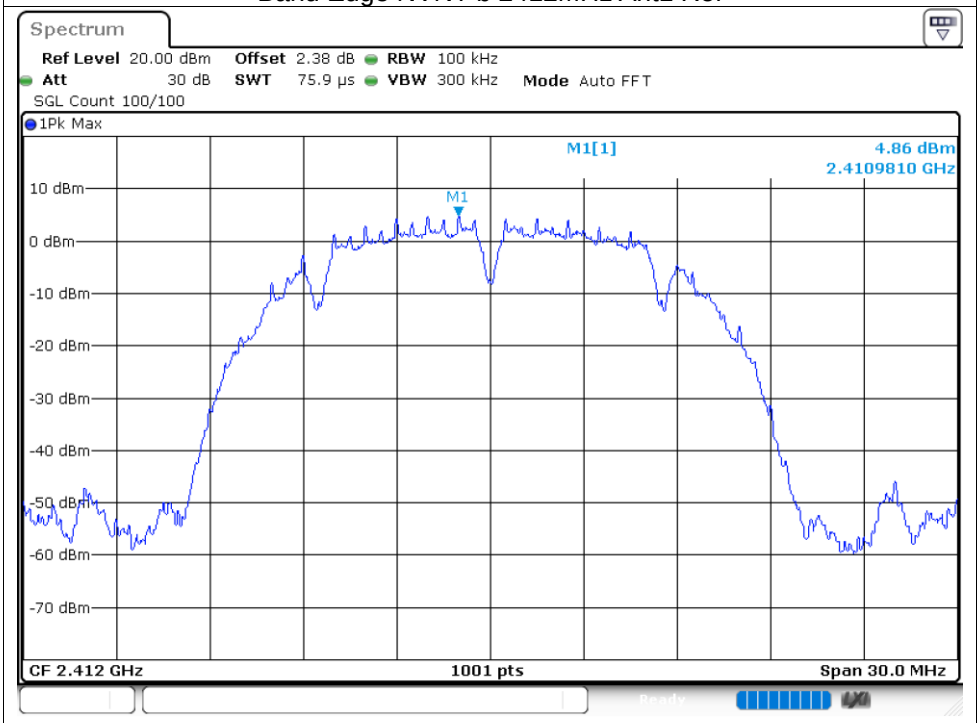


8.6 BAND EDGE

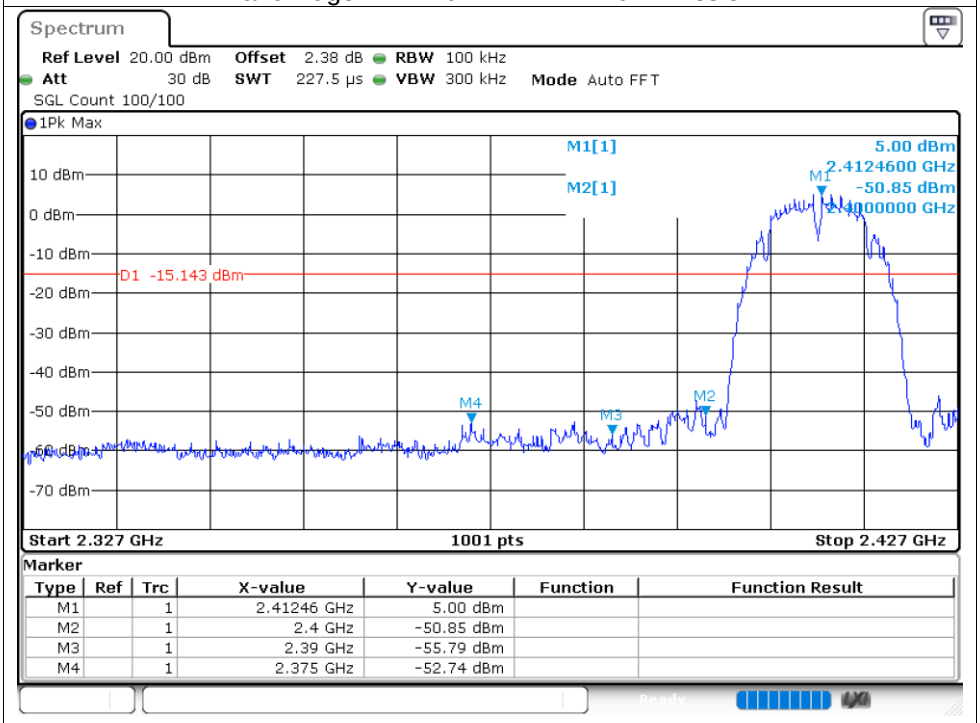
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-57.6	-20	Pass
NVNT	b	2462	Ant1	-60.6	-20	Pass
NVNT	b	2412	Ant2	-51.85	-20	Pass
NVNT	b	2462	Ant2	-59.57	-20	Pass
NVNT	g	2412	Ant1	-56.33	-20	Pass
NVNT	g	2462	Ant1	-59.16	-20	Pass
NVNT	g	2412	Ant2	-58.6	-20	Pass
NVNT	g	2462	Ant2	-58.59	-20	Pass
NVNT	n20	2412	Ant1	-51.68	-20	Pass
NVNT	n20	2462	Ant1	-55.13	-20	Pass
NVNT	n20	2412	Ant2	-55.41	-20	Pass
NVNT	n20	2462	Ant2	-54.45	-20	Pass
NVNT	n40	2422	Ant1	-47.86	-20	Pass
NVNT	n40	2452	Ant1	-44.71	-20	Pass
NVNT	n40	2422	Ant2	-47.22	-20	Pass
NVNT	n40	2452	Ant2	-43.8	-20	Pass
NVNT	ax20	2412	Ant1	-51.81	-20	Pass
NVNT	ax20	2462	Ant1	-55.35	-20	Pass
NVNT	ax20	2412	Ant2	-55.18	-20	Pass
NVNT	ax20	2462	Ant2	-55.23	-20	Pass
NVNT	ax40	2422	Ant1	-49.19	-20	Pass
NVNT	ax40	2452	Ant1	-43.31	-20	Pass
NVNT	ax40	2422	Ant2	-51.52	-20	Pass
NVNT	ax40	2452	Ant2	-46.3	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

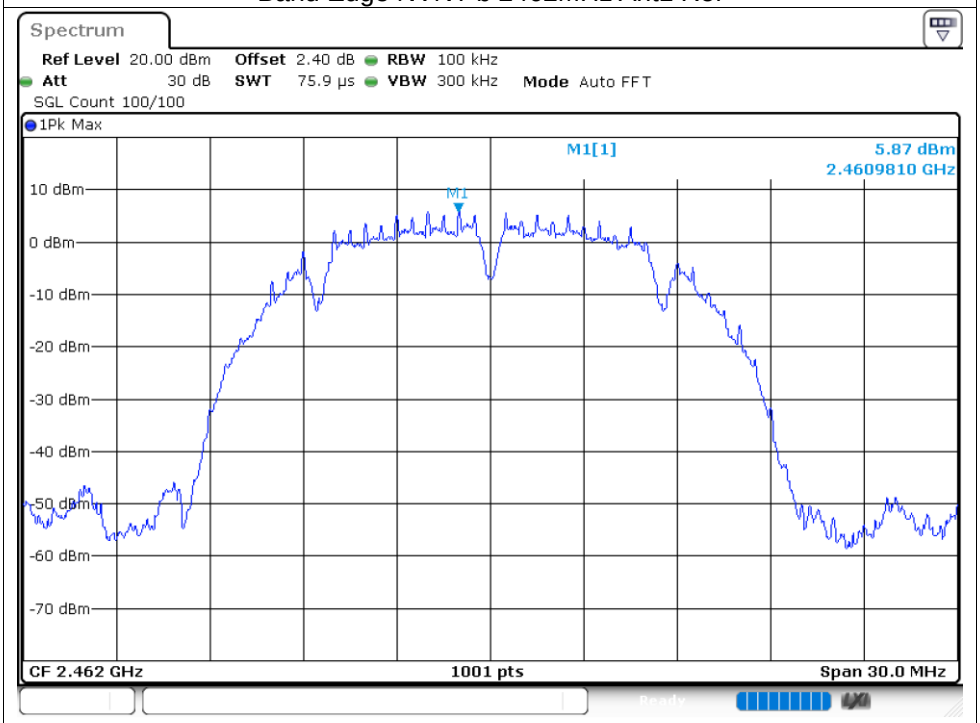


Band Edge NVNT b 2412MHz Ant1 Emission

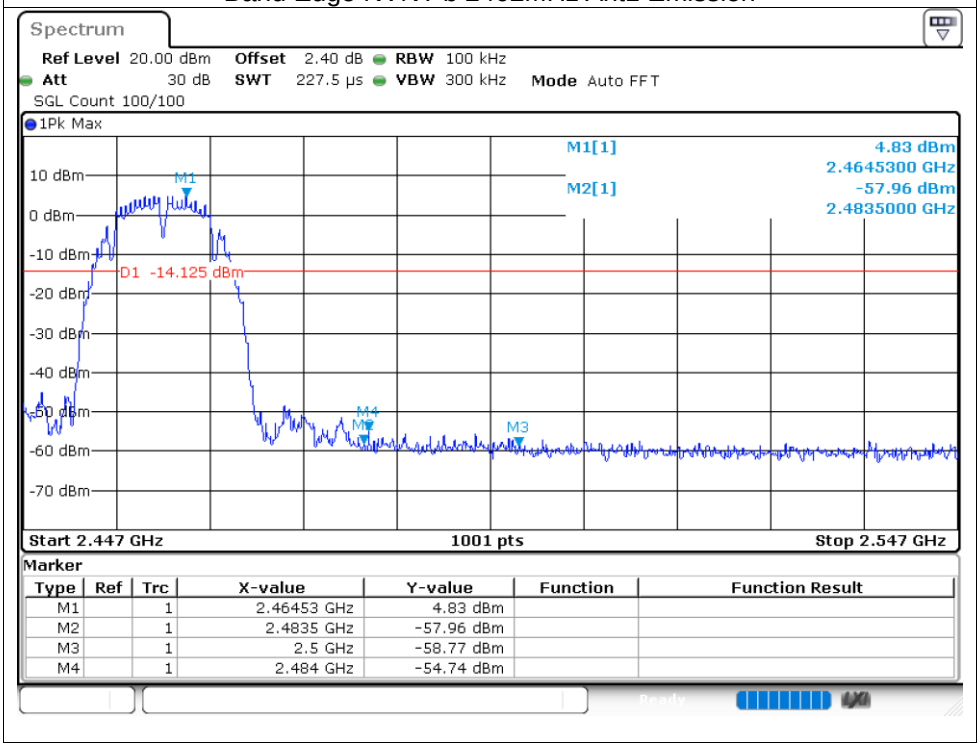


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41246 GHz	5.00 dBm		
M2		1	2.4 GHz	-50.85 dBm		
M3		1	2.39 GHz	-55.79 dBm		
M4		1	2.375 GHz	-52.74 dBm		

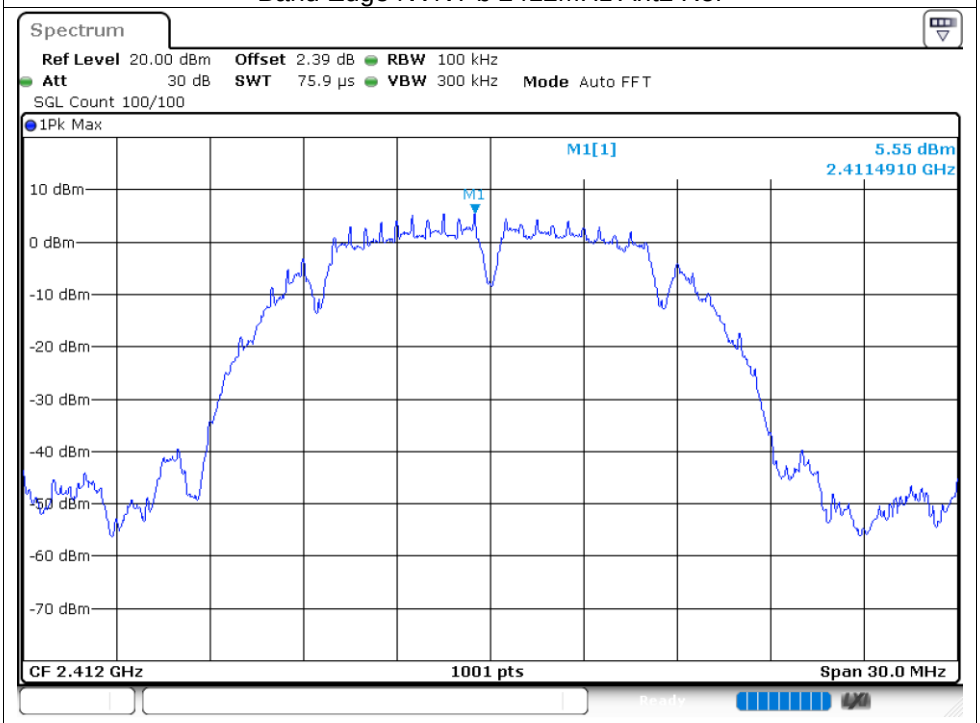
Band Edge NVNT b 2462MHz Ant1 Ref



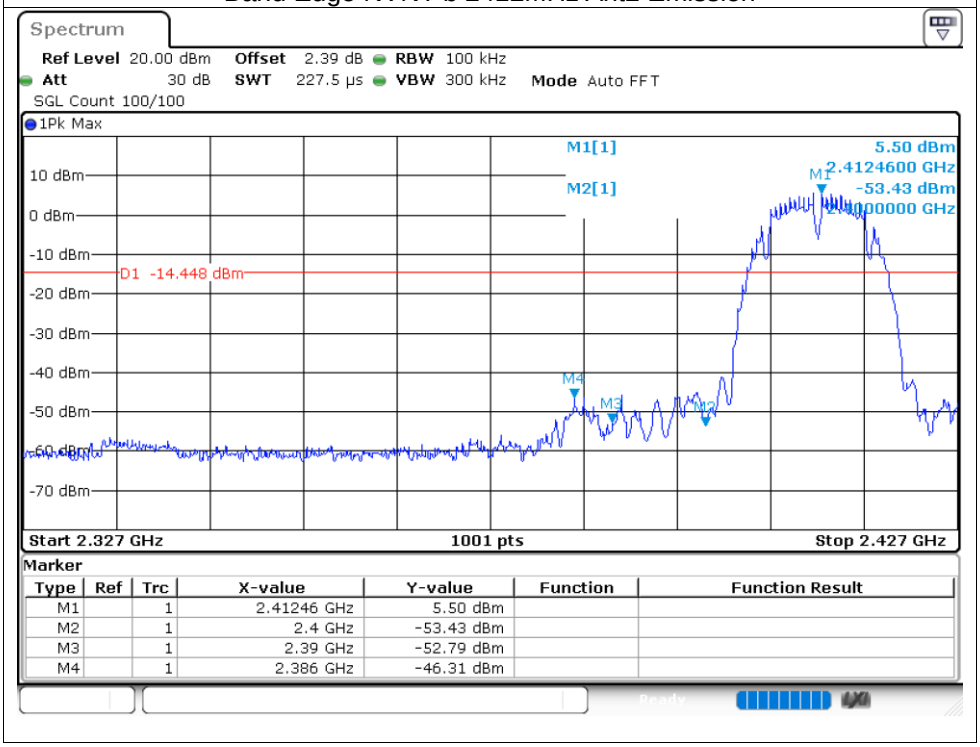
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT b 2412MHz Ant2 Ref



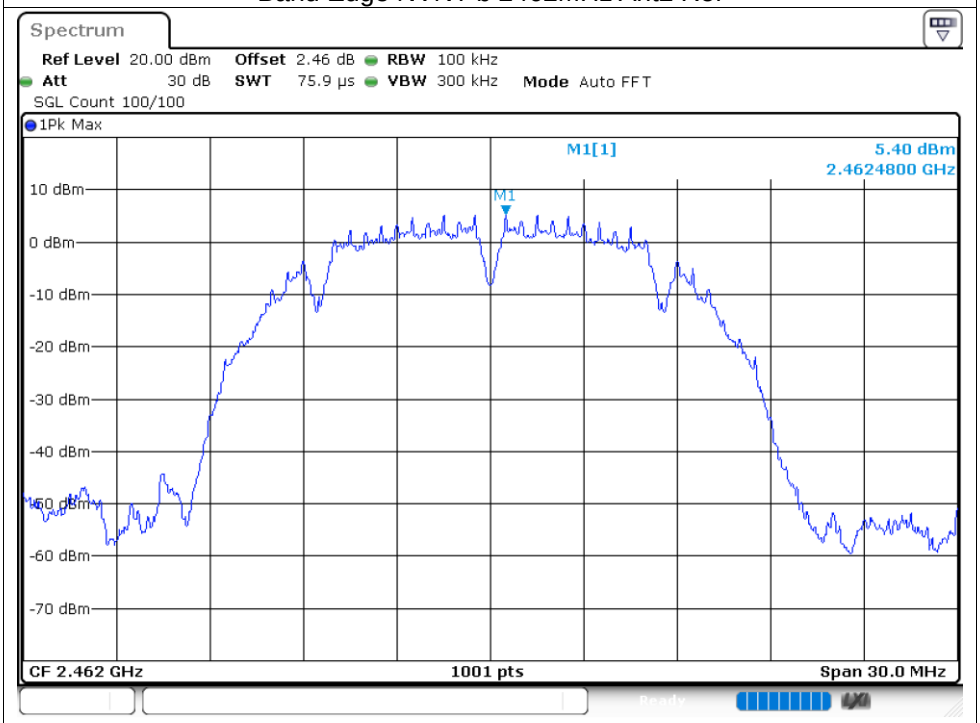
Band Edge NVNT b 2412MHz Ant2 Emission



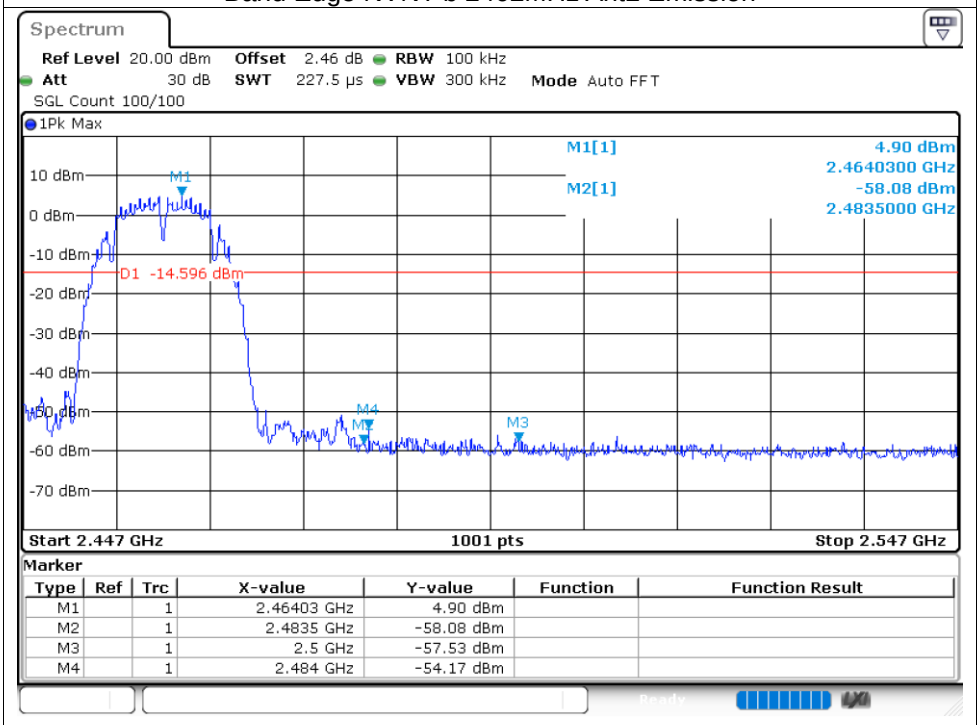
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41246 GHz	5.50 dBm		
M2		1	2.4 GHz	-53.43 dBm		
M3		1	2.39 GHz	-52.79 dBm		
M4		1	2.386 GHz	-46.31 dBm		

Band Edge NVNT b 2462MHz Ant2 Ref



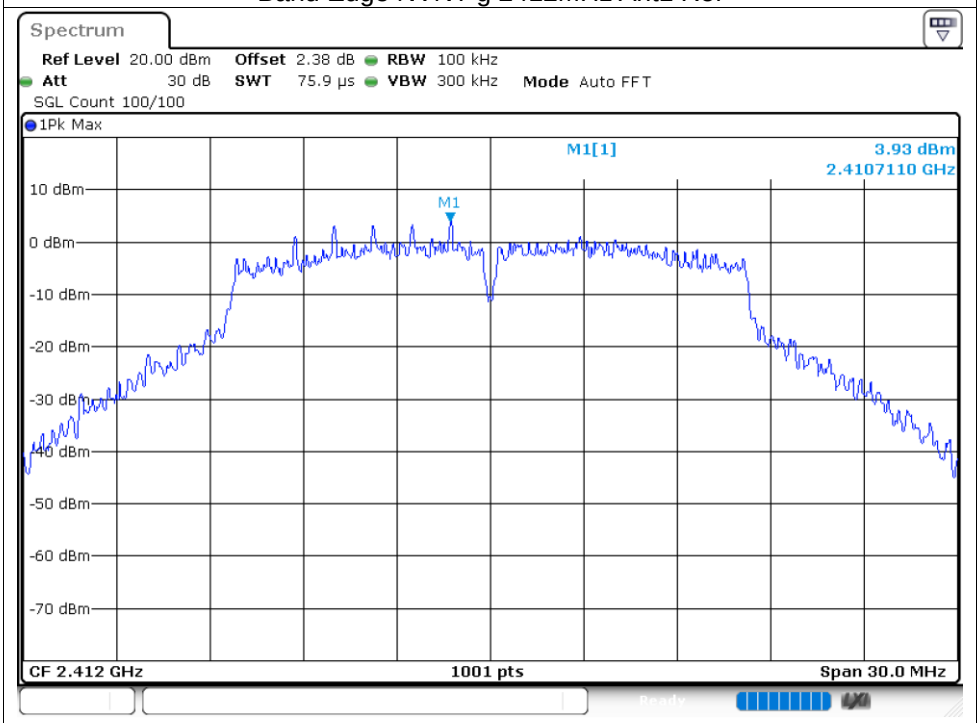
Band Edge NVNT b 2462MHz Ant2 Emission



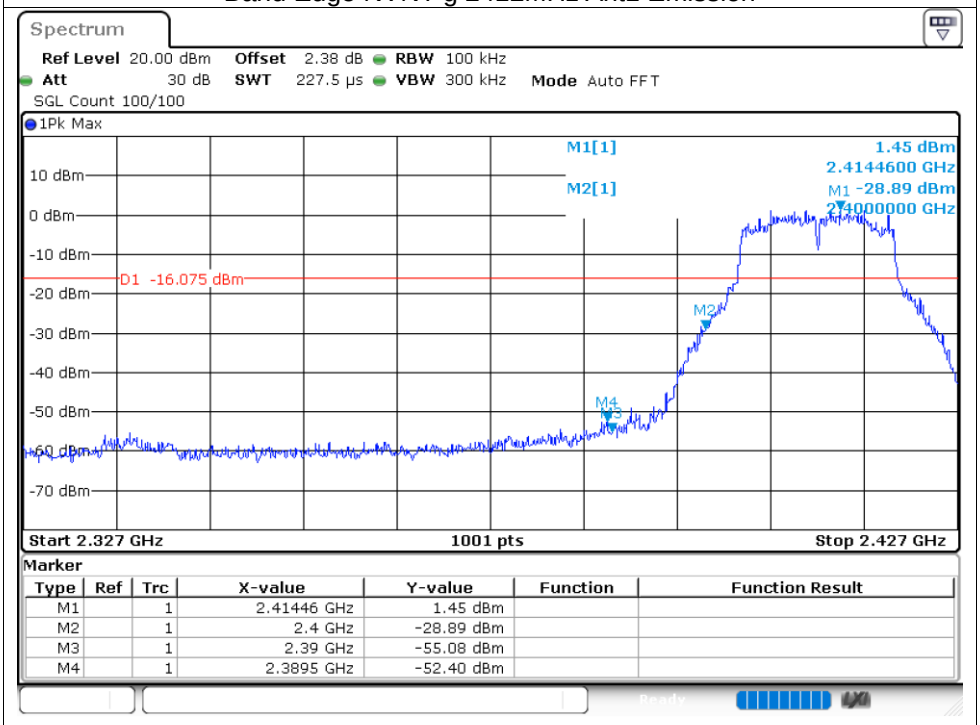
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46403 GHz	4.90 dBm		
M2		1	2.4835 GHz	-58.08 dBm		
M3		1	2.5 GHz	-57.53 dBm		
M4		1	2.484 GHz	-54.17 dBm		

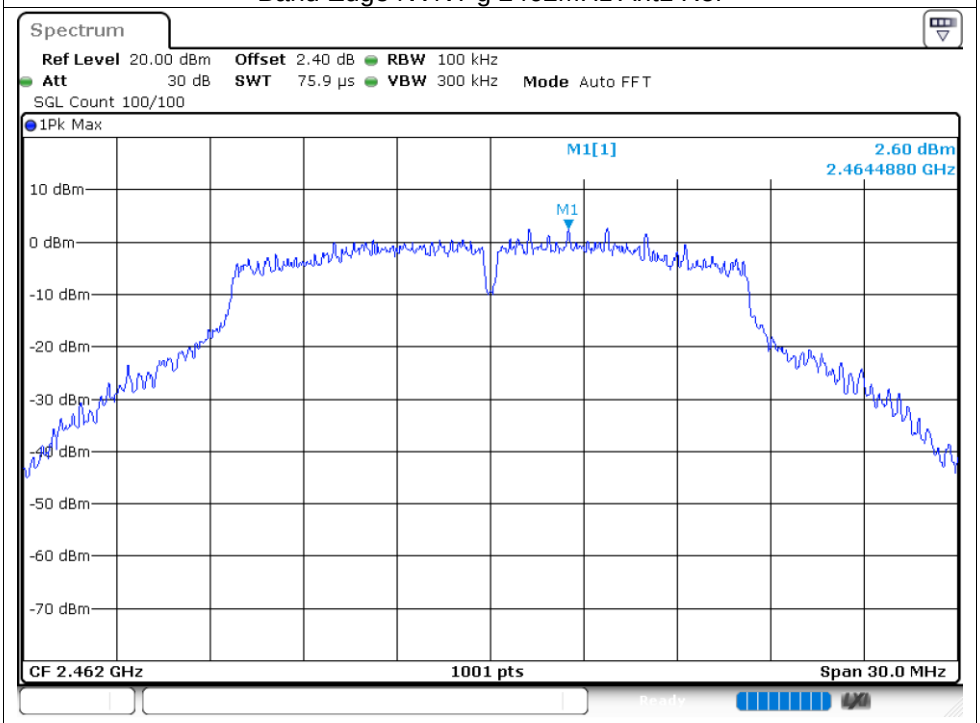
Band Edge NVNT g 2412MHz Ant1 Ref



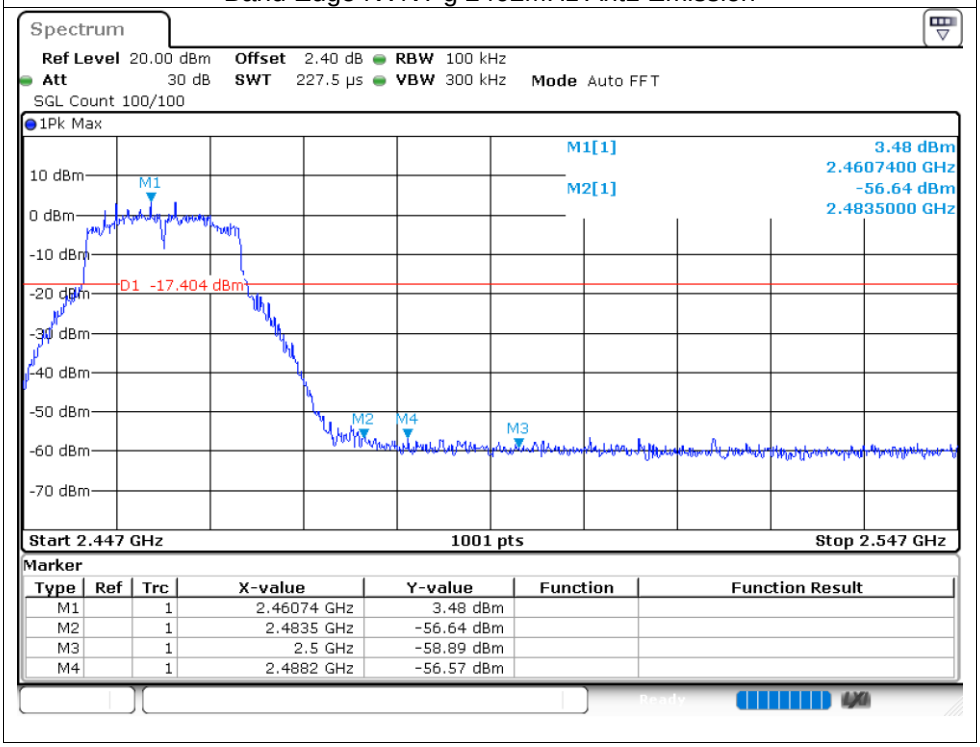
Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref

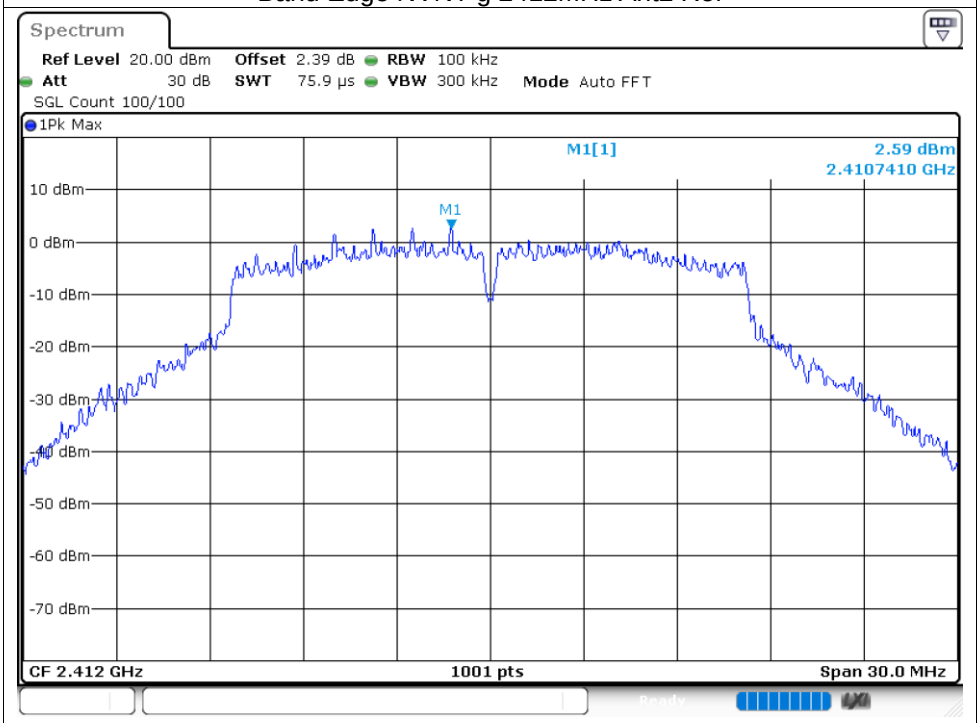


Band Edge NVNT g 2462MHz Ant1 Emission

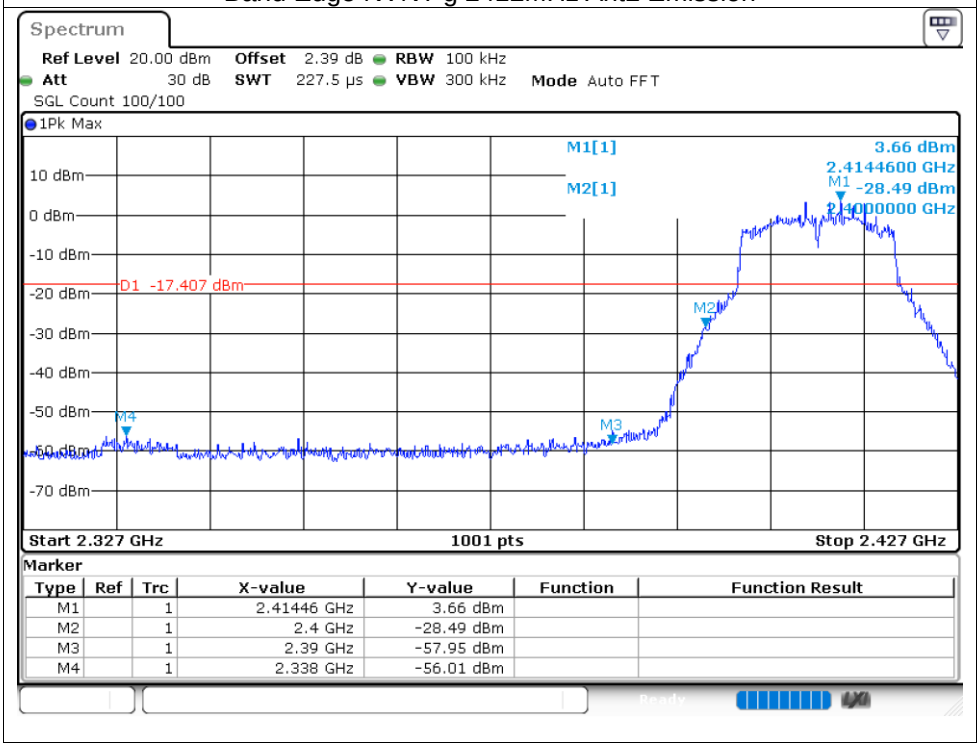


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46074 GHz	3.48 dBm		
M2		1	2.4835 GHz	-56.64 dBm		
M3		1	2.5 GHz	-58.89 dBm		
M4		1	2.4882 GHz	-56.57 dBm		

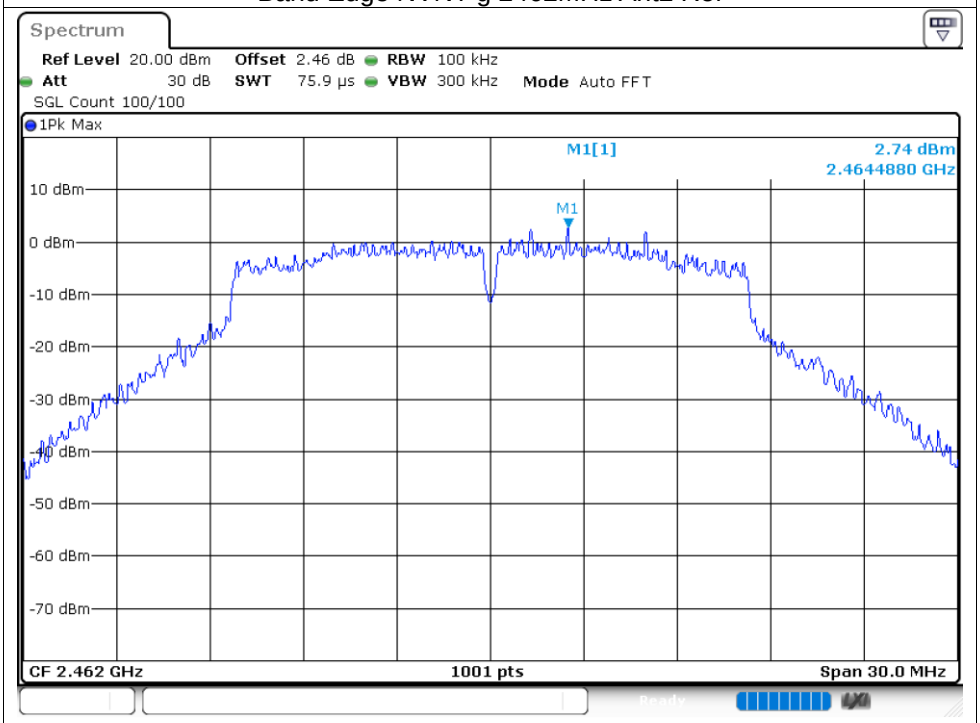
Band Edge NVNT g 2412MHz Ant2 Ref



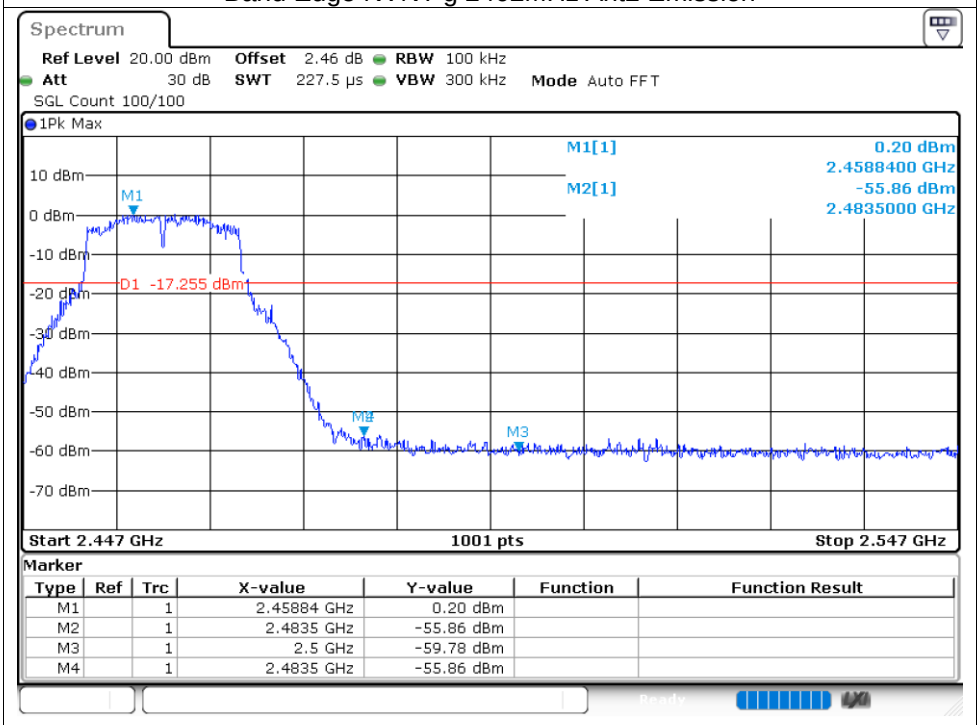
Band Edge NVNT g 2412MHz Ant2 Emission



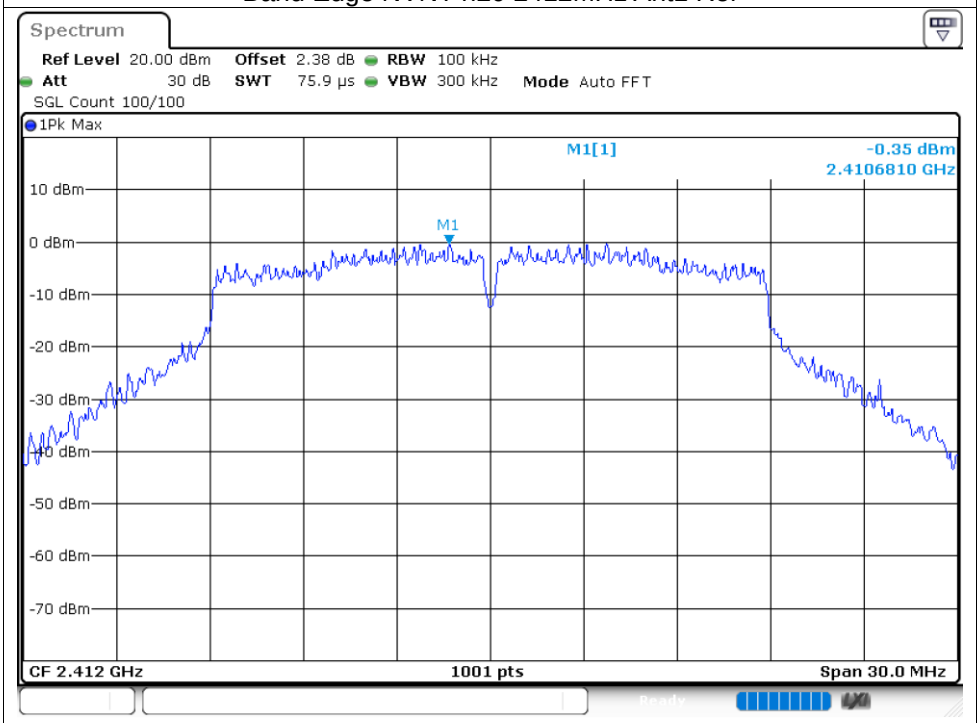
Band Edge NVNT g 2462MHz Ant2 Ref



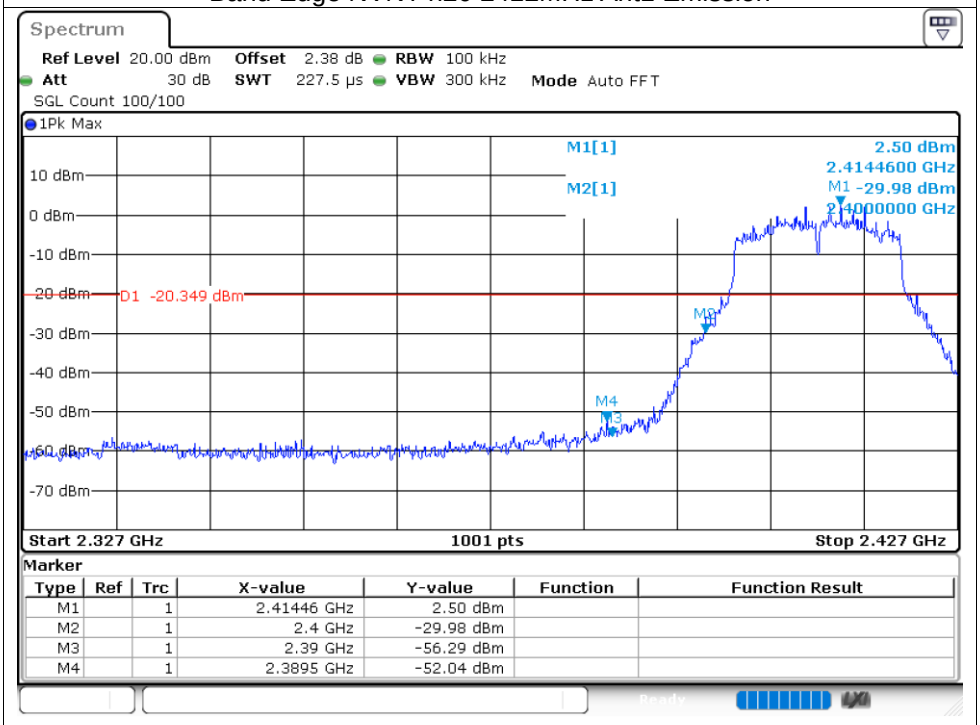
Band Edge NVNT g 2462MHz Ant2 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



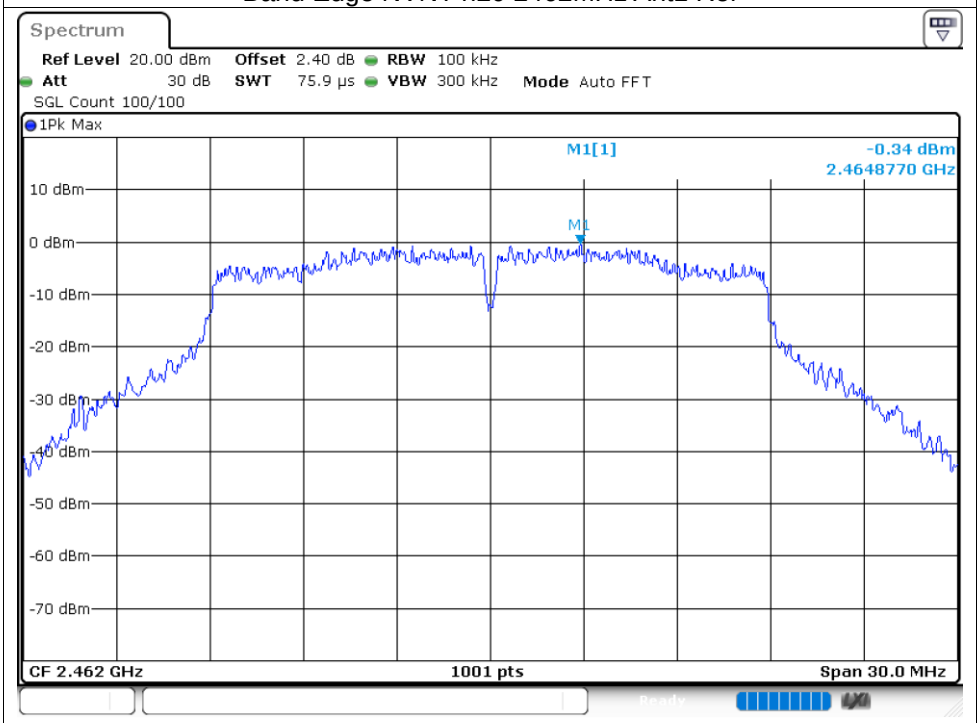
Band Edge NVNT n20 2412MHz Ant1 Emission



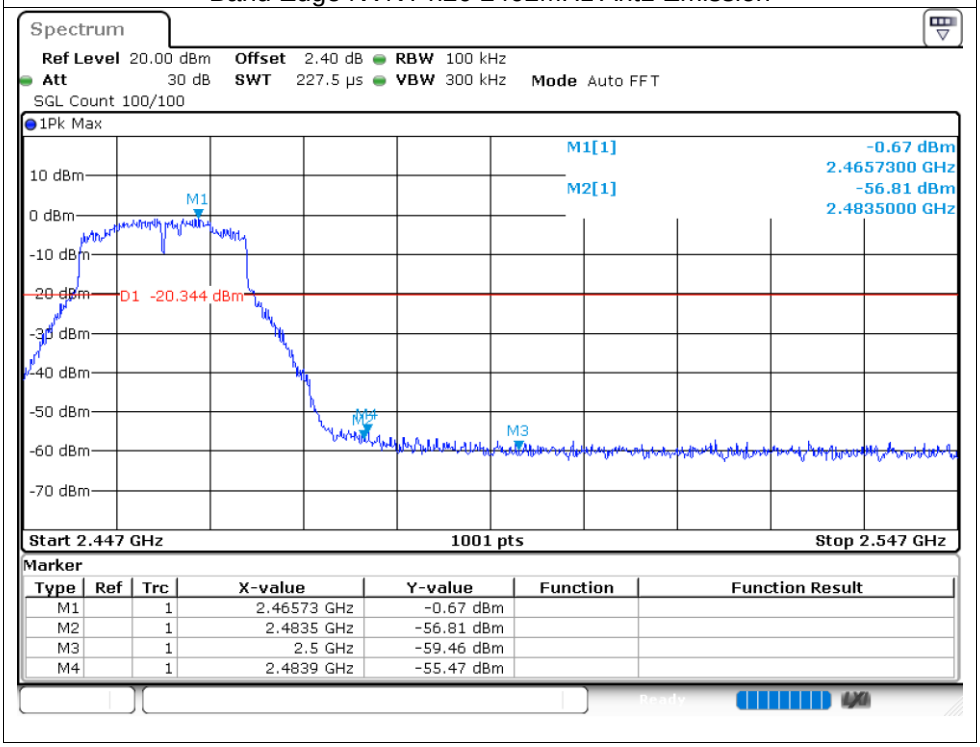
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41446 GHz	2.50 dBm		
M2		1	2.4 GHz	-29.98 dBm		
M3		1	2.39 GHz	-56.29 dBm		
M4		1	2.3895 GHz	-52.04 dBm		

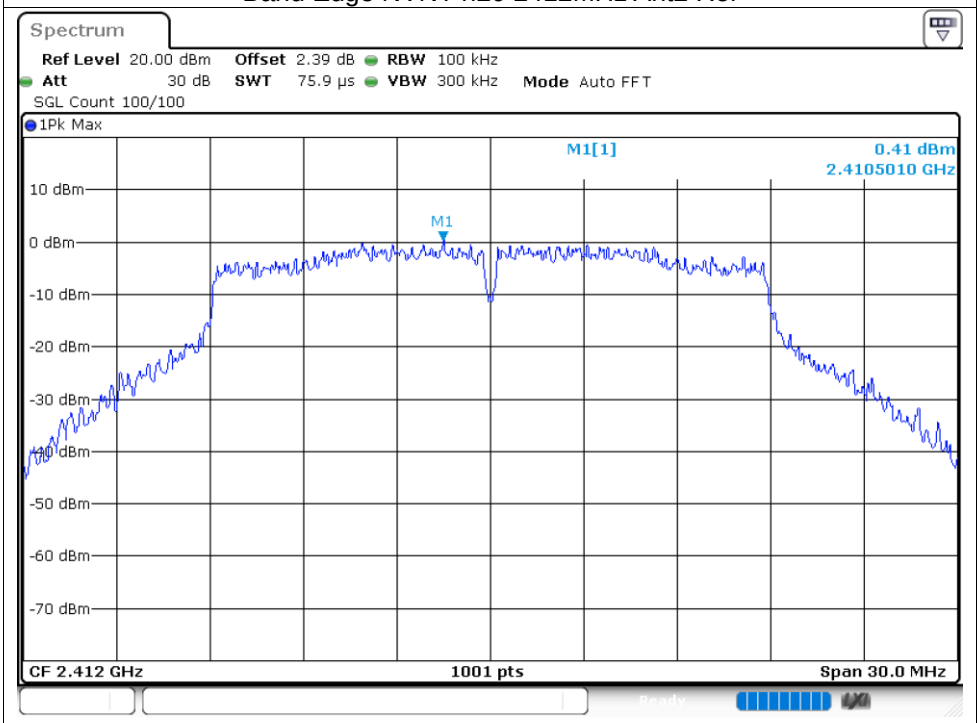
Band Edge NVNT n20 2462MHz Ant1 Ref



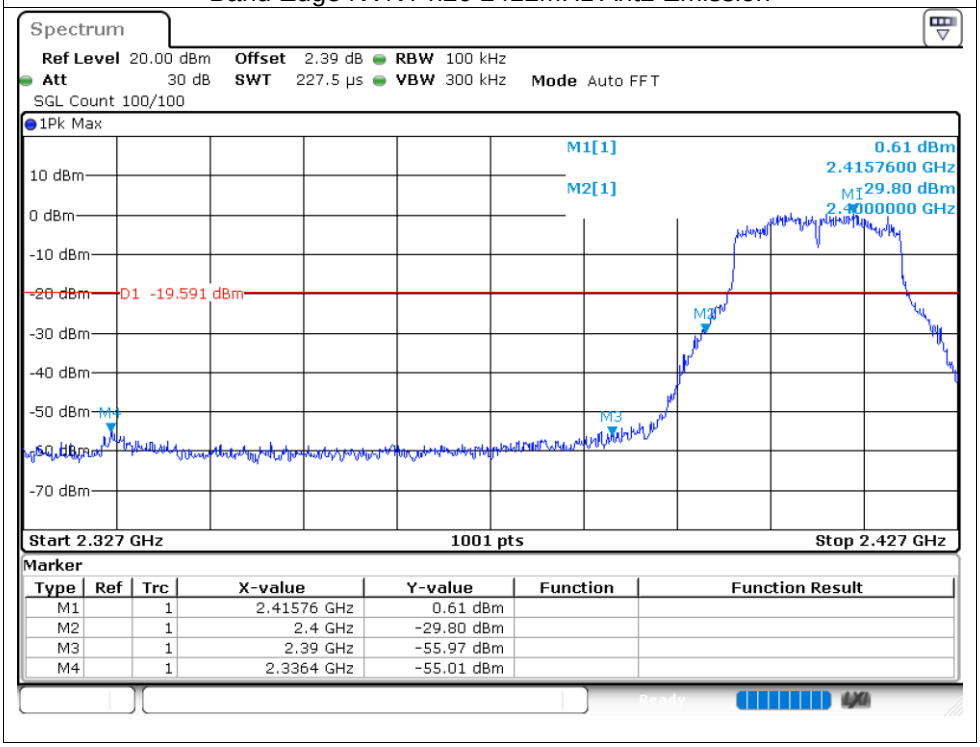
Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant2 Ref



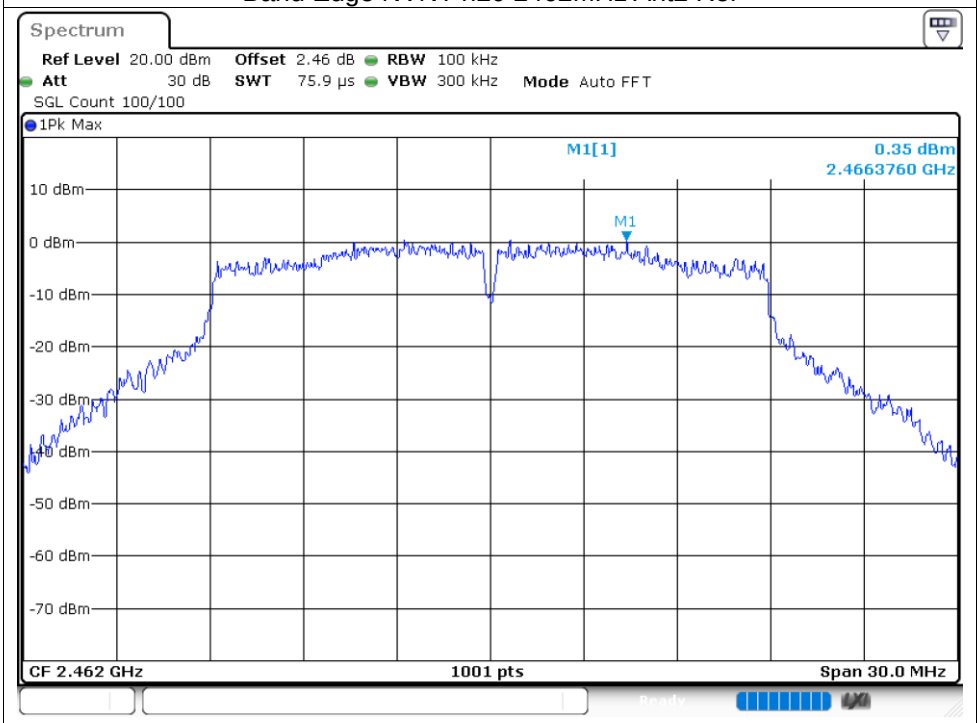
Band Edge NVNT n20 2412MHz Ant2 Emission



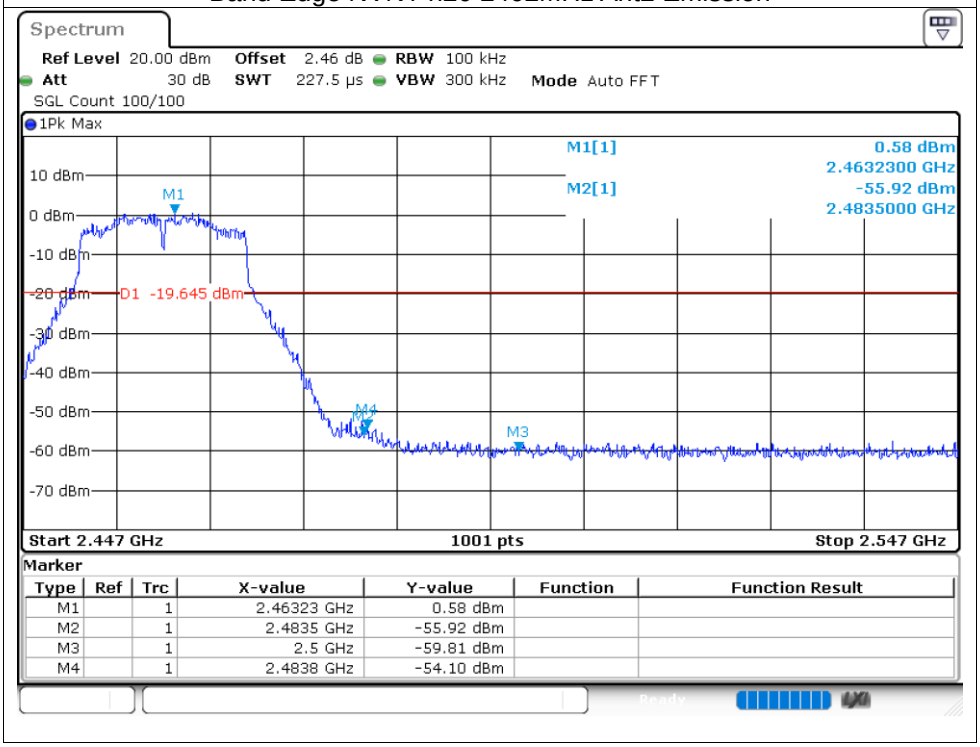
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41576 GHz	0.61 dBm		
M2		1	2.4 GHz	-29.80 dBm		
M3		1	2.39 GHz	-55.97 dBm		
M4		1	2.3364 GHz	-55.01 dBm		

Band Edge NVNT n20 2462MHz Ant2 Ref



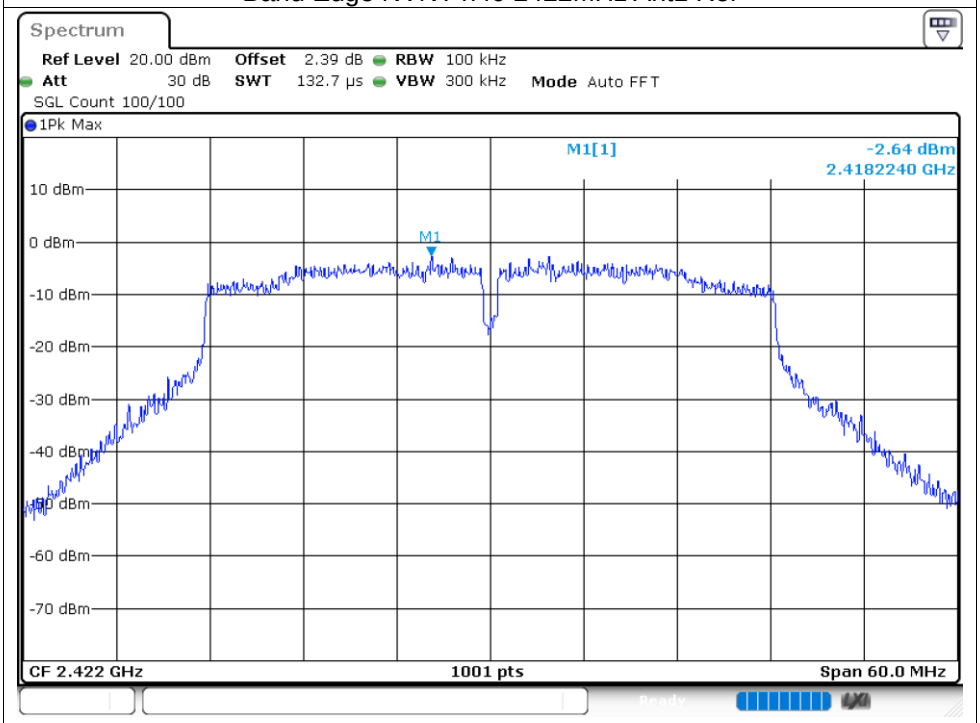
Band Edge NVNT n20 2462MHz Ant2 Emission



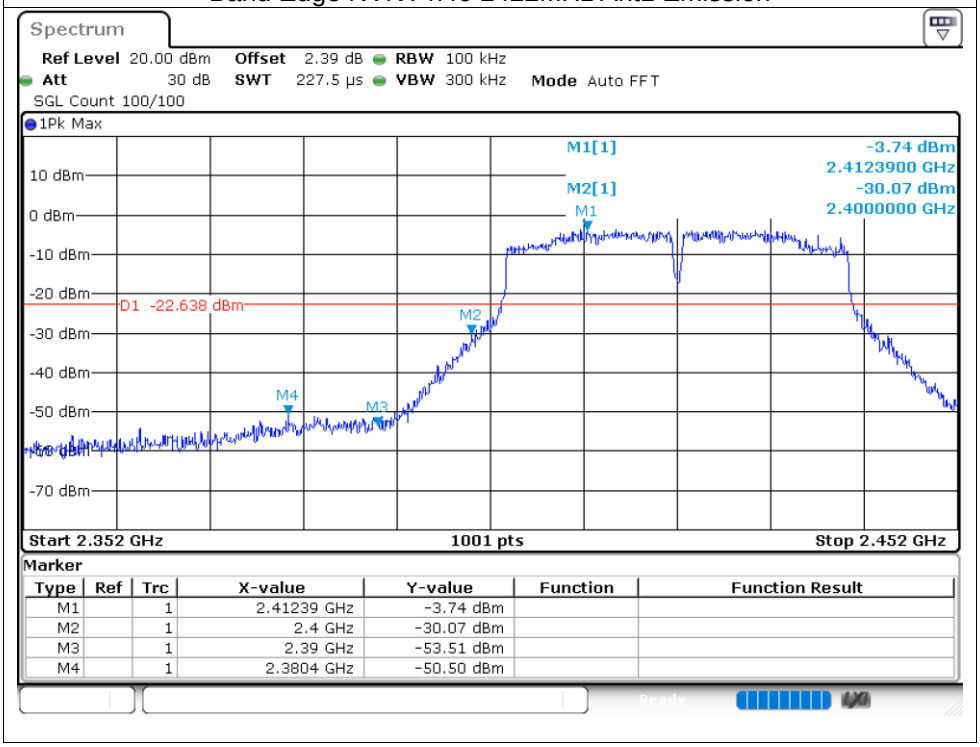
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46323 GHz	0.58 dBm		
M2		1	2.4835 GHz	-55.92 dBm		
M3		1	2.5 GHz	-59.81 dBm		
M4		1	2.4838 GHz	-54.10 dBm		

Band Edge NVNT n40 2422MHz Ant1 Ref



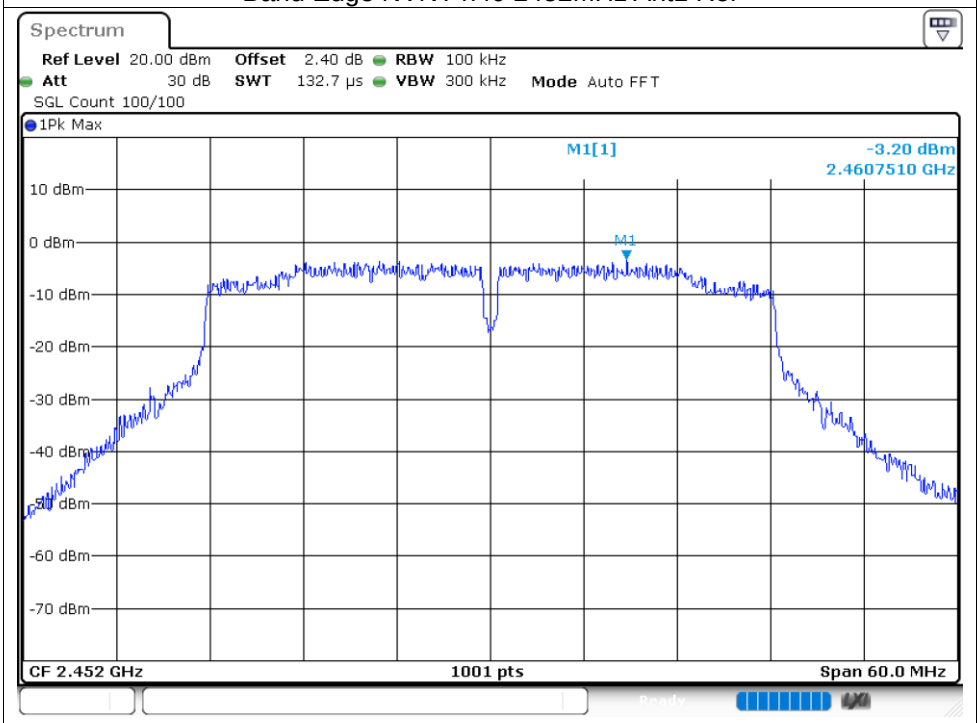
Band Edge NVNT n40 2422MHz Ant1 Emission



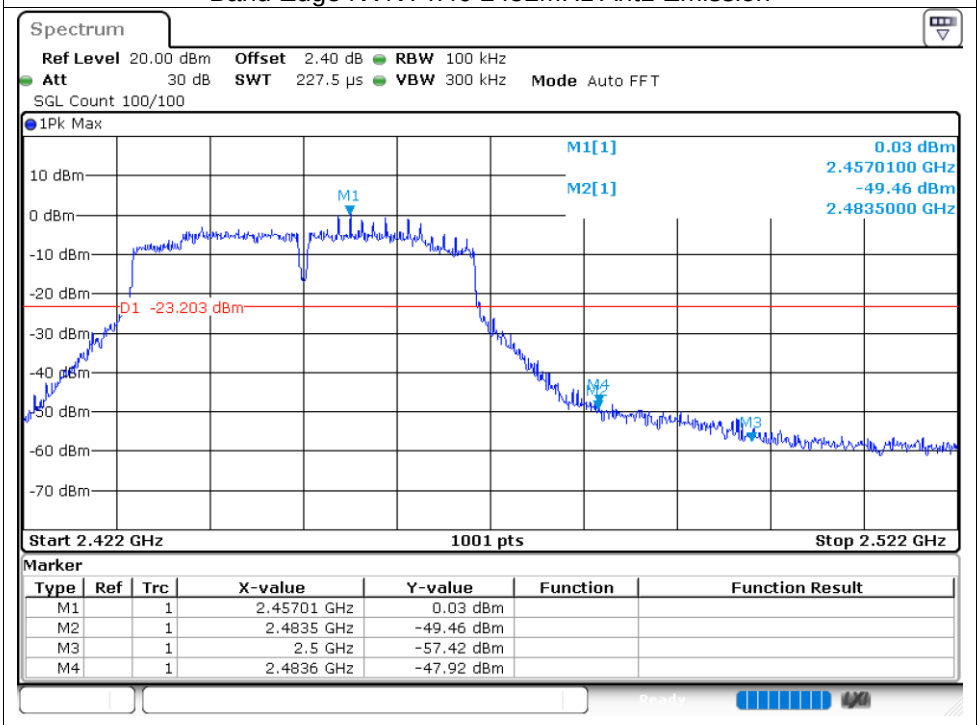
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41239 GHz	-3.74 dBm		
M2		1	2.4 GHz	-30.07 dBm		
M3		1	2.39 GHz	-53.51 dBm		
M4		1	2.3804 GHz	-50.50 dBm		

Band Edge NVNT n40 2452MHz Ant1 Ref

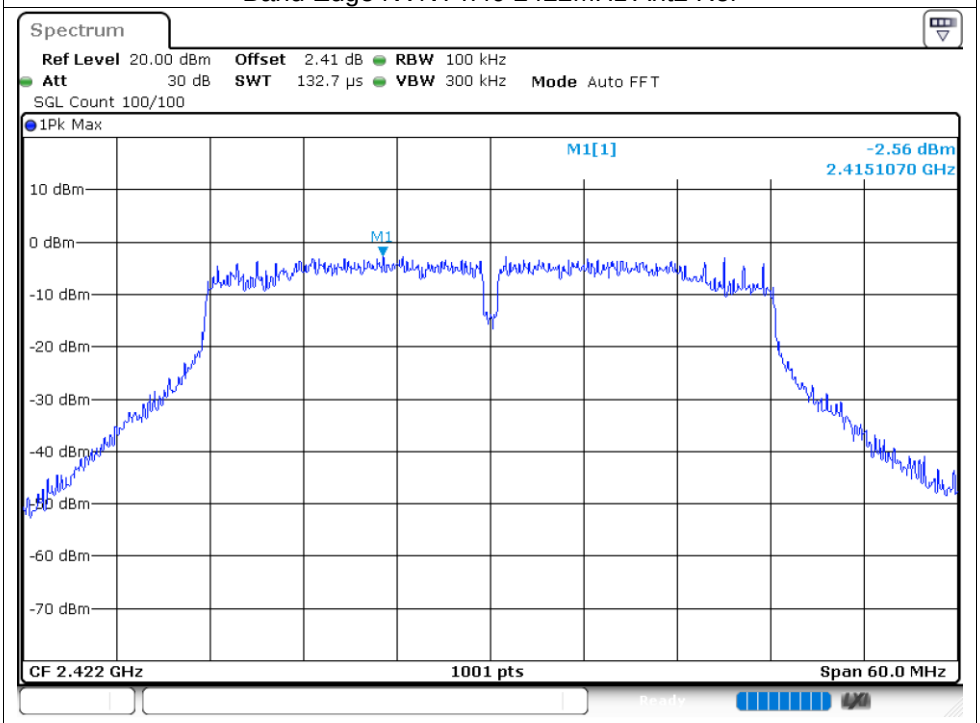


Band Edge NVNT n40 2452MHz Ant1 Emission

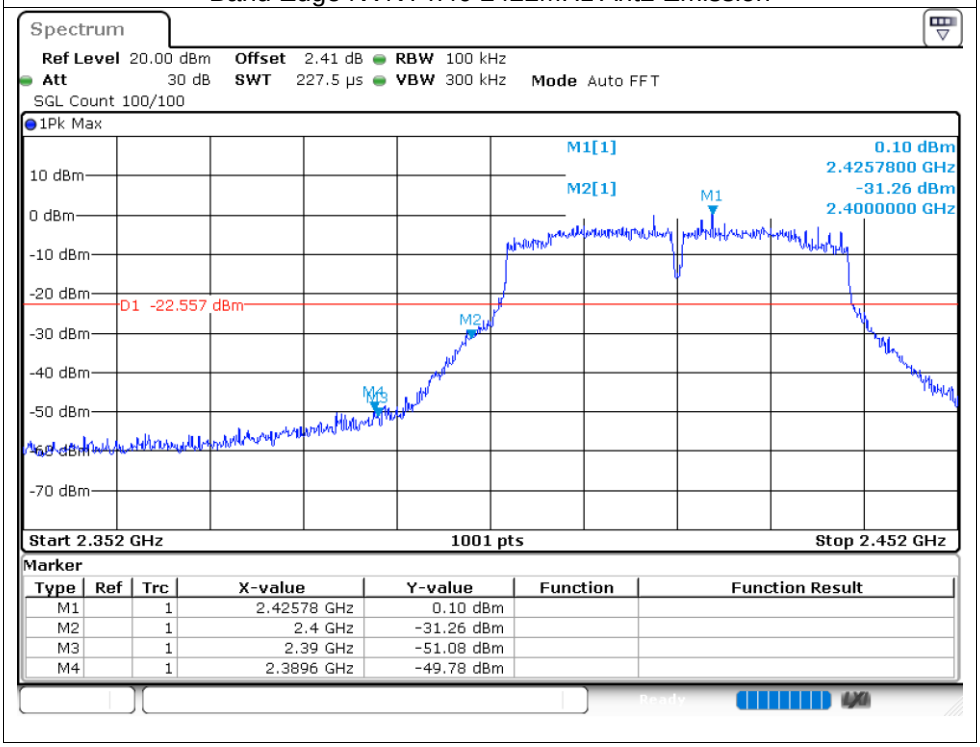


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45701 GHz	0.03 dBm		
M2		1	2.4835 GHz	-49.46 dBm		
M3		1	2.5 GHz	-57.42 dBm		
M4		1	2.4836 GHz	-47.92 dBm		

Band Edge NVNT n40 2422MHz Ant2 Ref



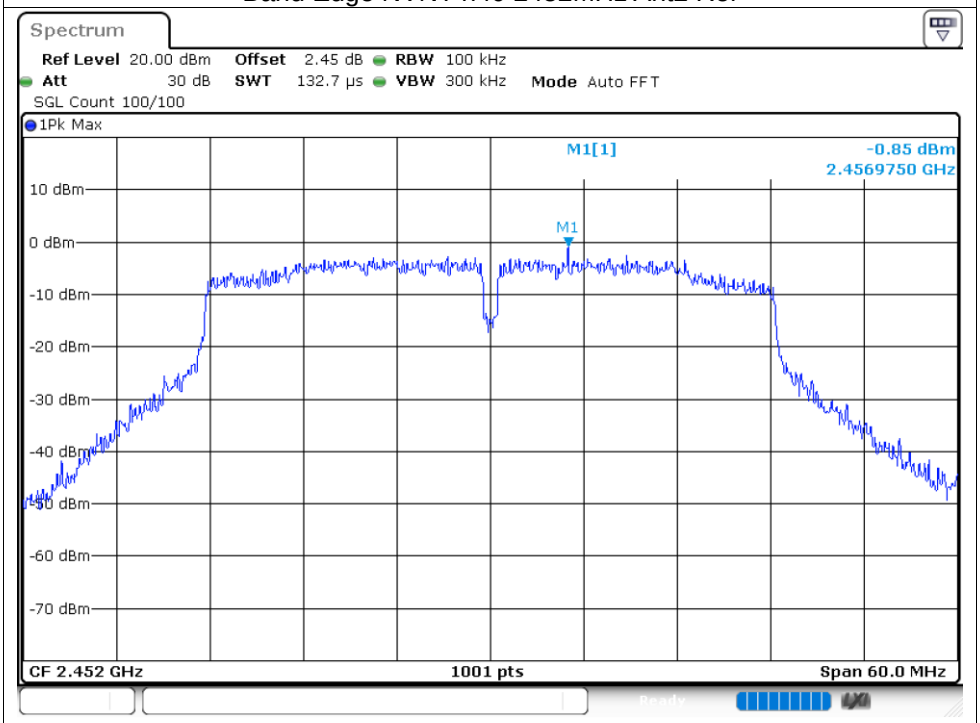
Band Edge NVNT n40 2422MHz Ant2 Emission



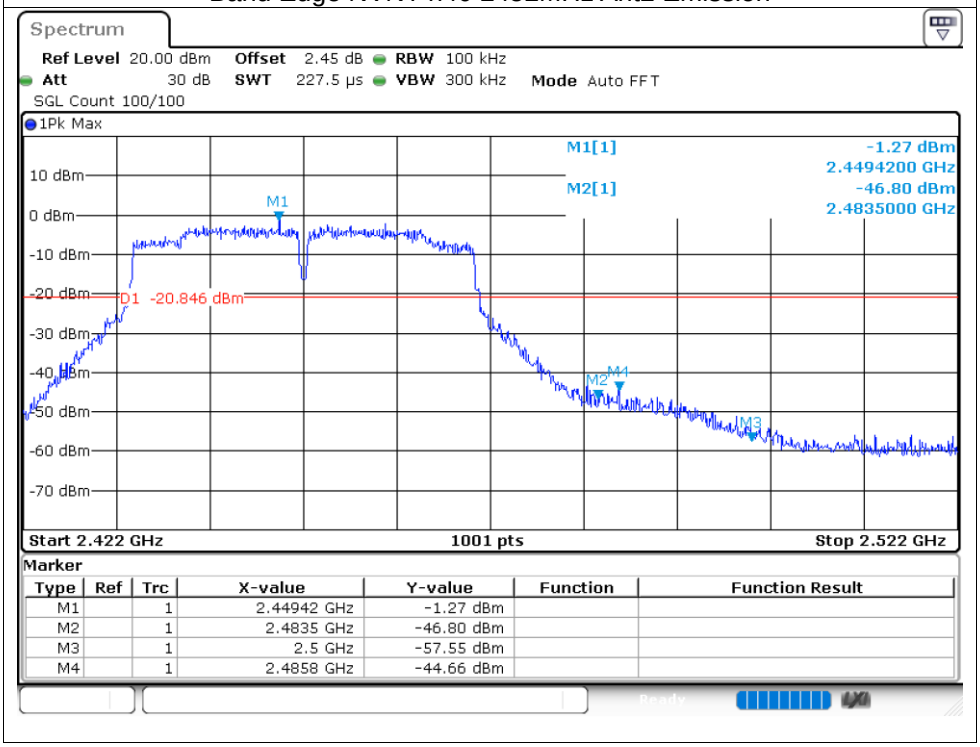
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42578 GHz	0.10 dBm		
M2		1	2.4 GHz	-31.26 dBm		
M3		1	2.39 GHz	-51.08 dBm		
M4		1	2.3896 GHz	-49.78 dBm		

Band Edge NVNT n40 2452MHz Ant2 Ref



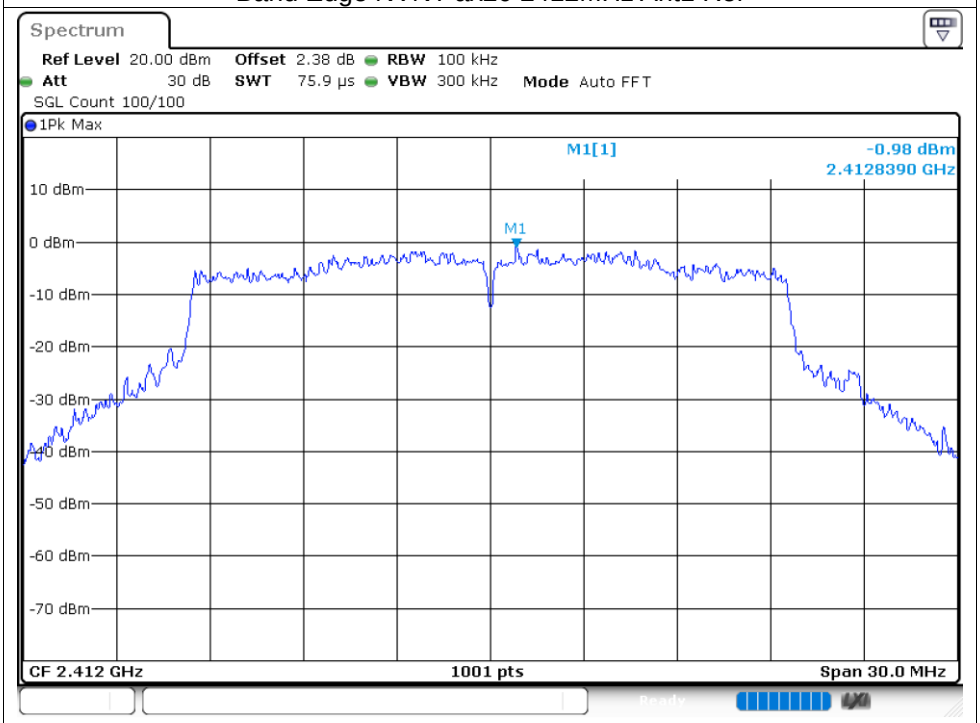
Band Edge NVNT n40 2452MHz Ant2 Emission



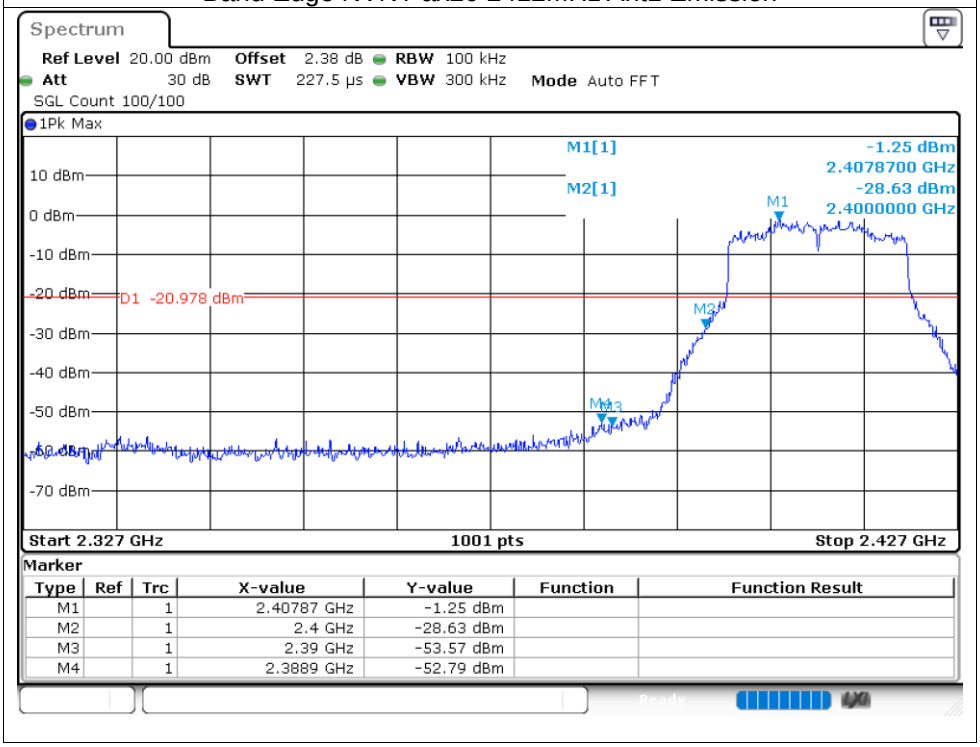
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44942 GHz	-1.27 dBm		
M2		1	2.4835 GHz	-46.80 dBm		
M3		1	2.5 GHz	-57.55 dBm		
M4		1	2.4858 GHz	-44.66 dBm		

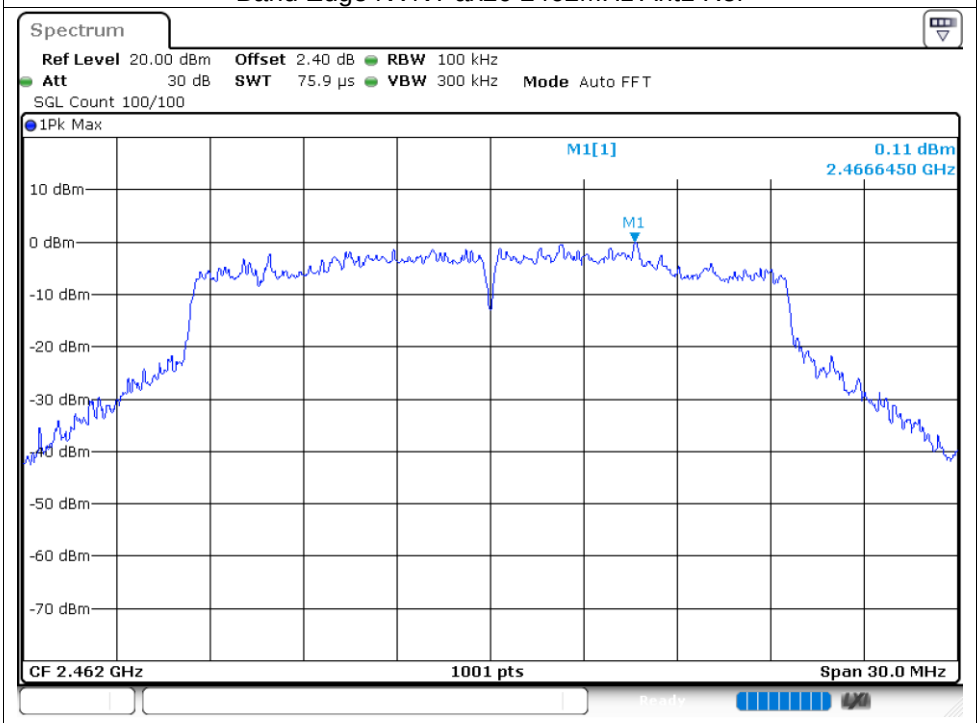
Band Edge NVNT ax20 2412MHz Ant1 Ref



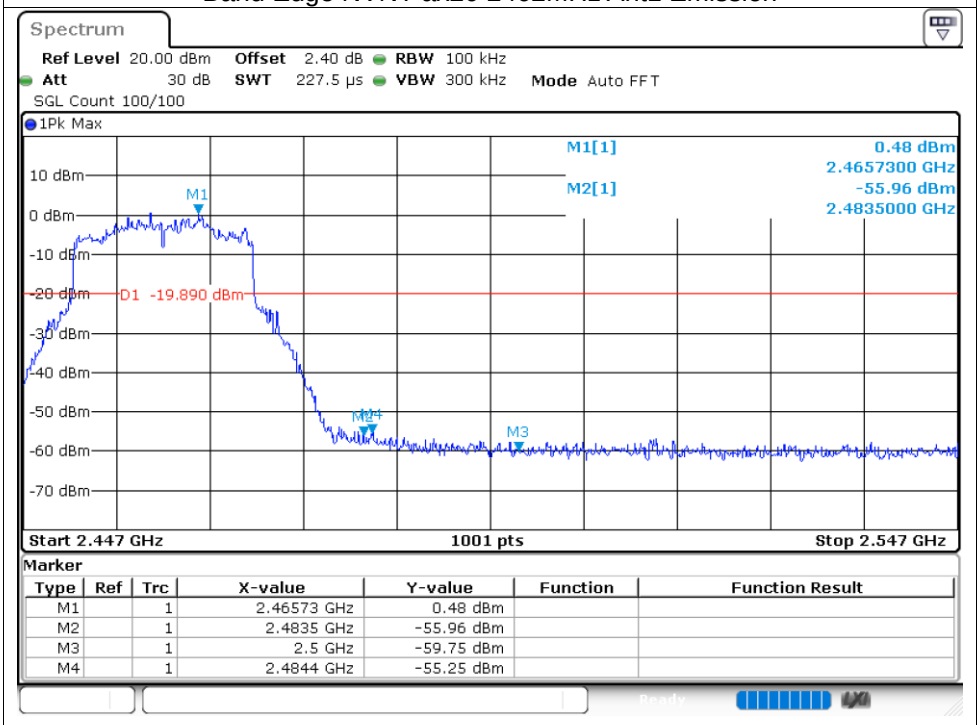
Band Edge NVNT ax20 2412MHz Ant1 Emission



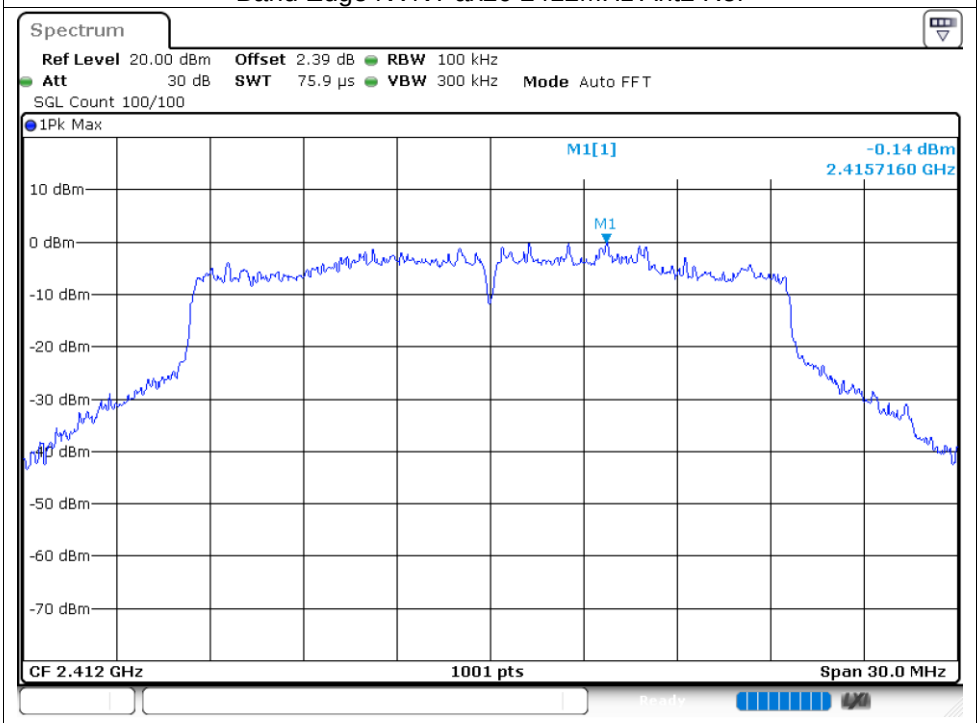
Band Edge NVNT ax20 2462MHz Ant1 Ref



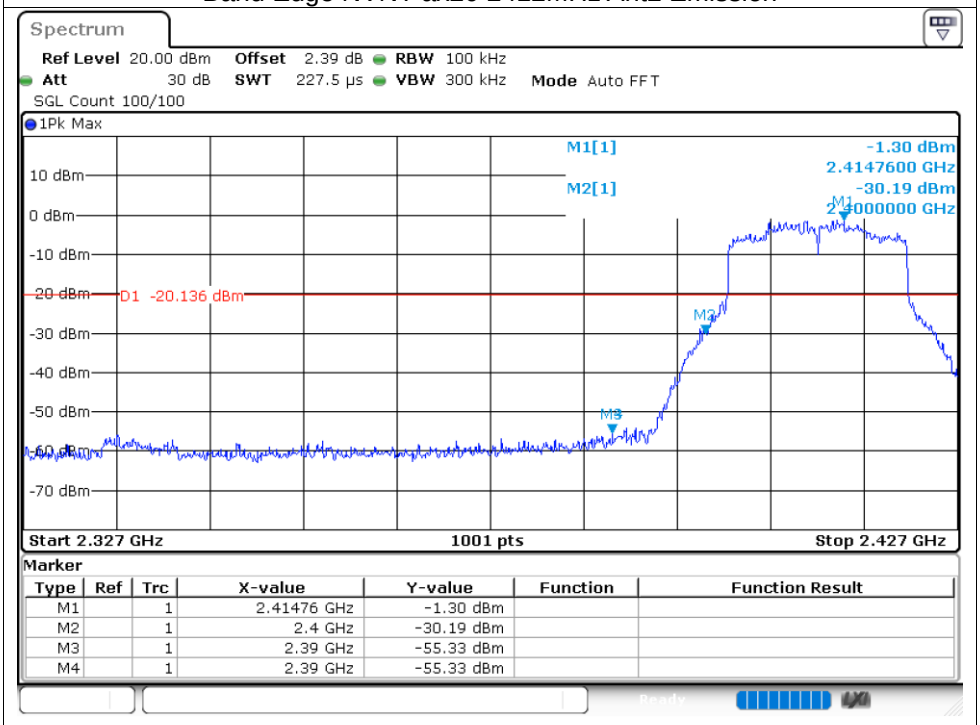
Band Edge NVNT ax20 2462MHz Ant1 Emission



Band Edge NVNT ax20 2412MHz Ant2 Ref



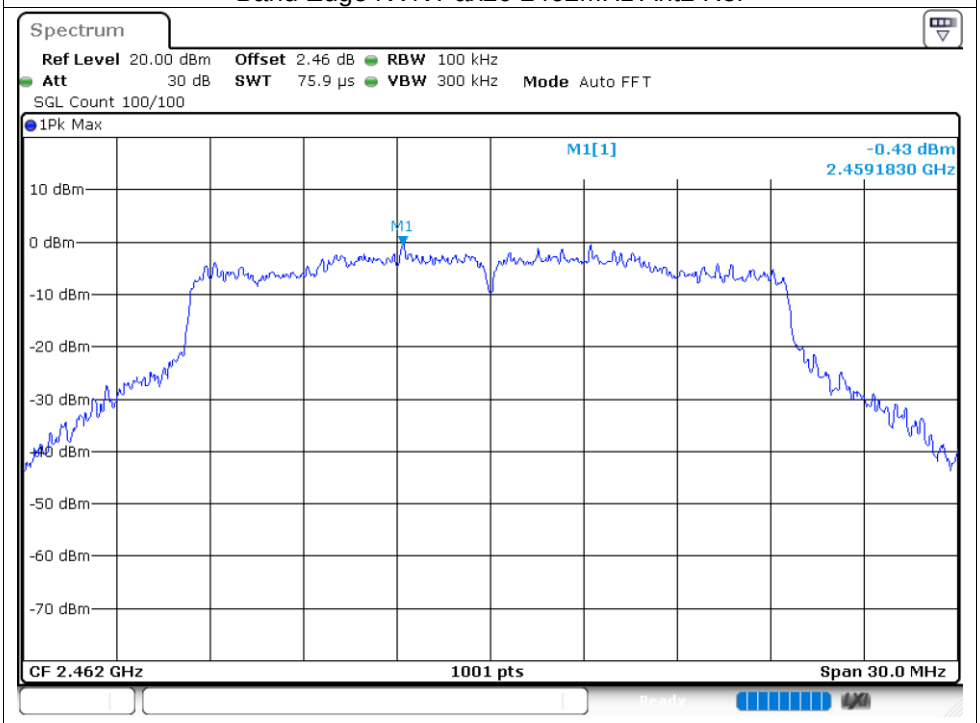
Band Edge NVNT ax20 2412MHz Ant2 Emission



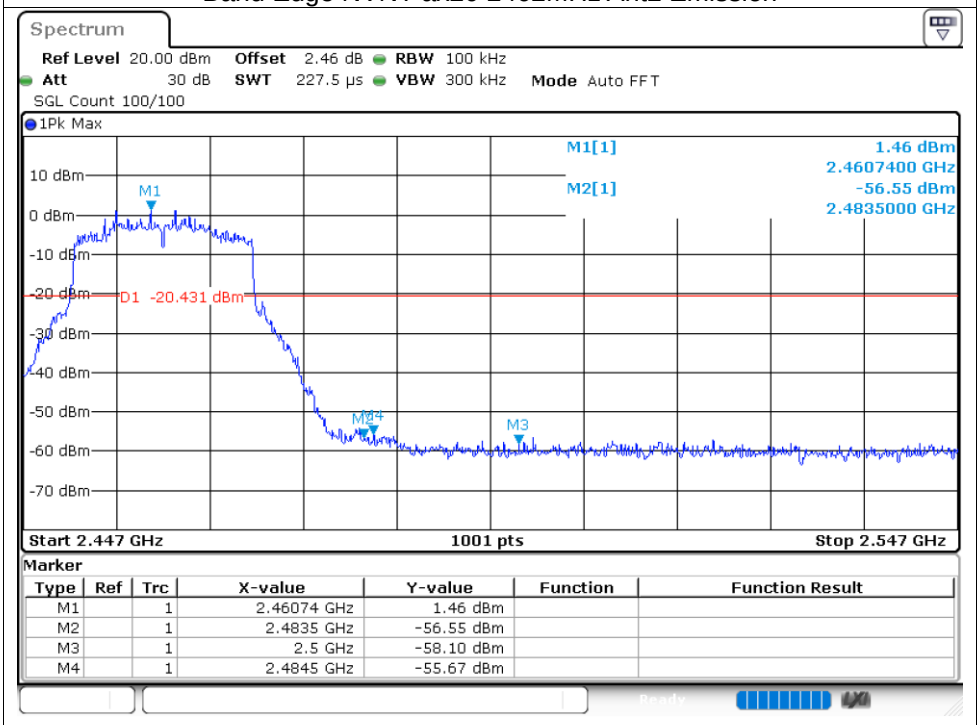
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41476 GHz	-1.30 dBm		
M2		1	2.4 GHz	-30.19 dBm		
M3		1	2.39 GHz	-55.33 dBm		
M4		1	2.39 GHz	-55.33 dBm		

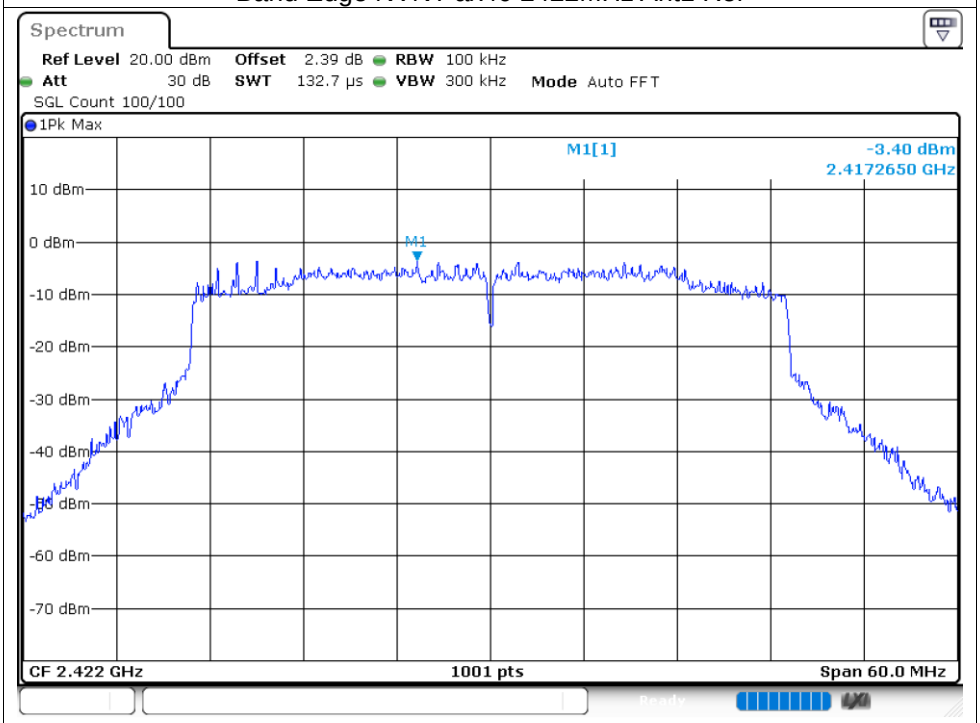
Band Edge NVNT ax20 2462MHz Ant2 Ref



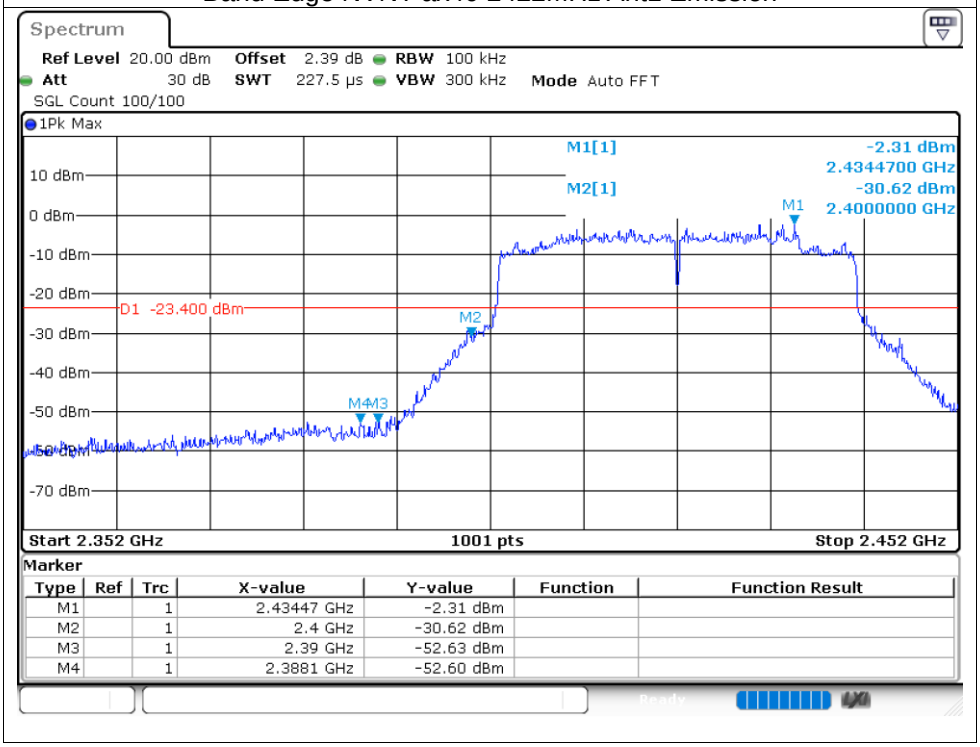
Band Edge NVNT ax20 2462MHz Ant2 Emission



Band Edge NVNT ax40 2422MHz Ant1 Ref



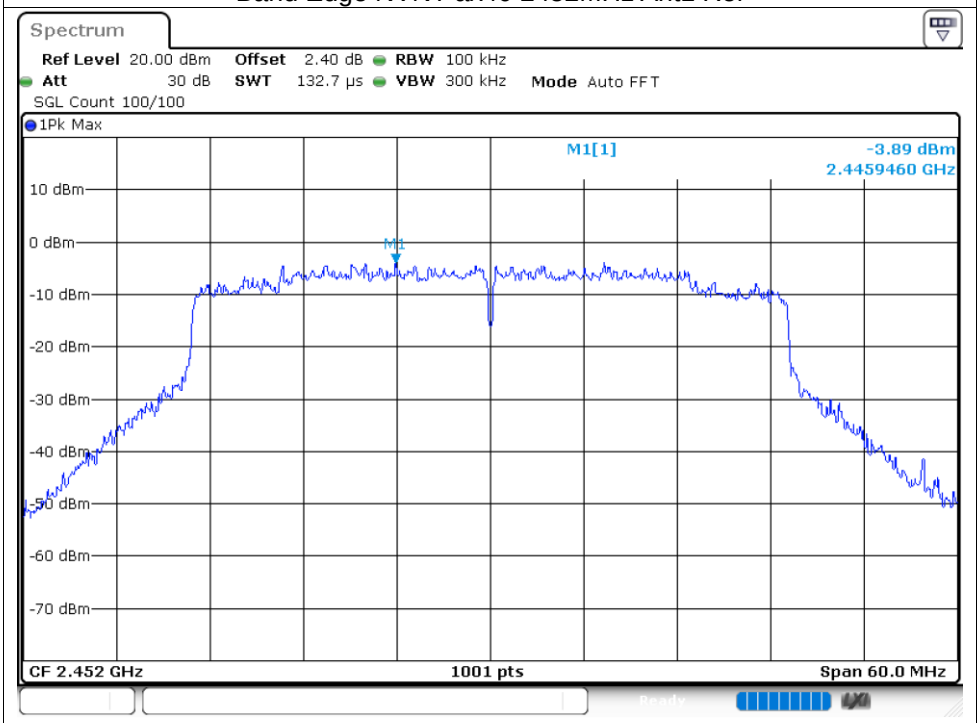
Band Edge NVNT ax40 2422MHz Ant1 Emission



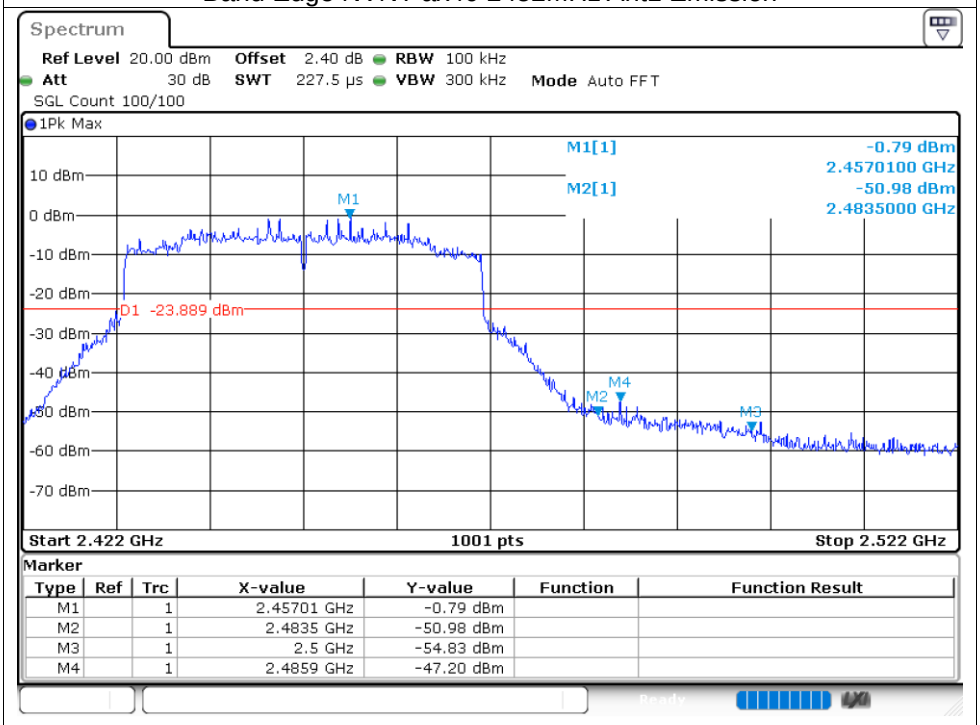
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43447 GHz	-2.31 dBm		
M2		1	2.4 GHz	-30.62 dBm		
M3		1	2.39 GHz	-52.63 dBm		
M4		1	2.3881 GHz	-52.60 dBm		

Band Edge NVNT ax40 2452MHz Ant1 Ref



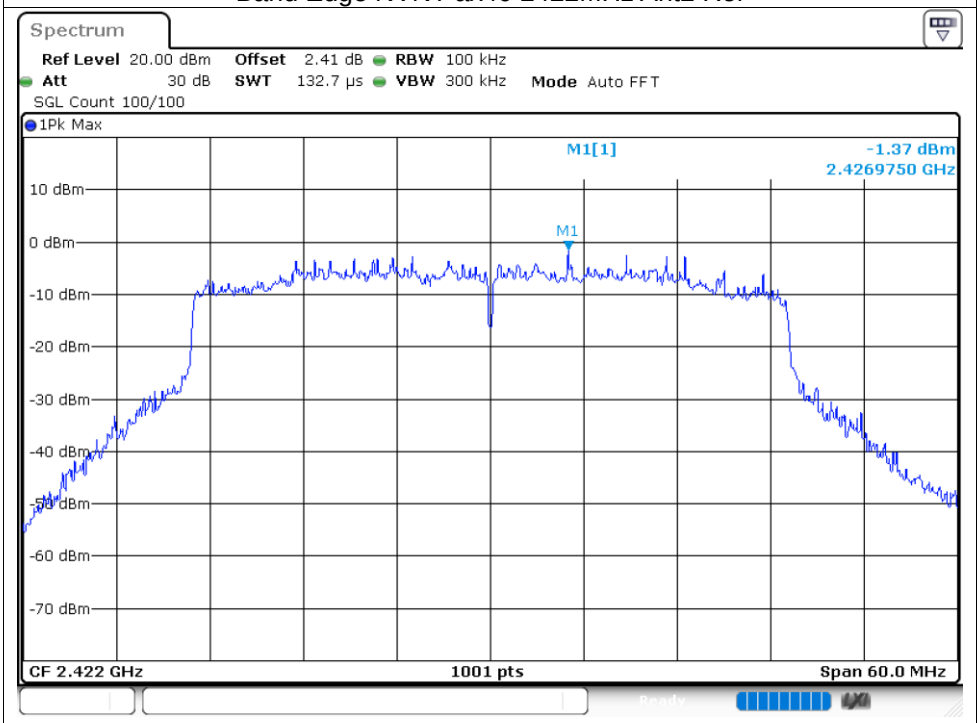
Band Edge NVNT ax40 2452MHz Ant1 Emission



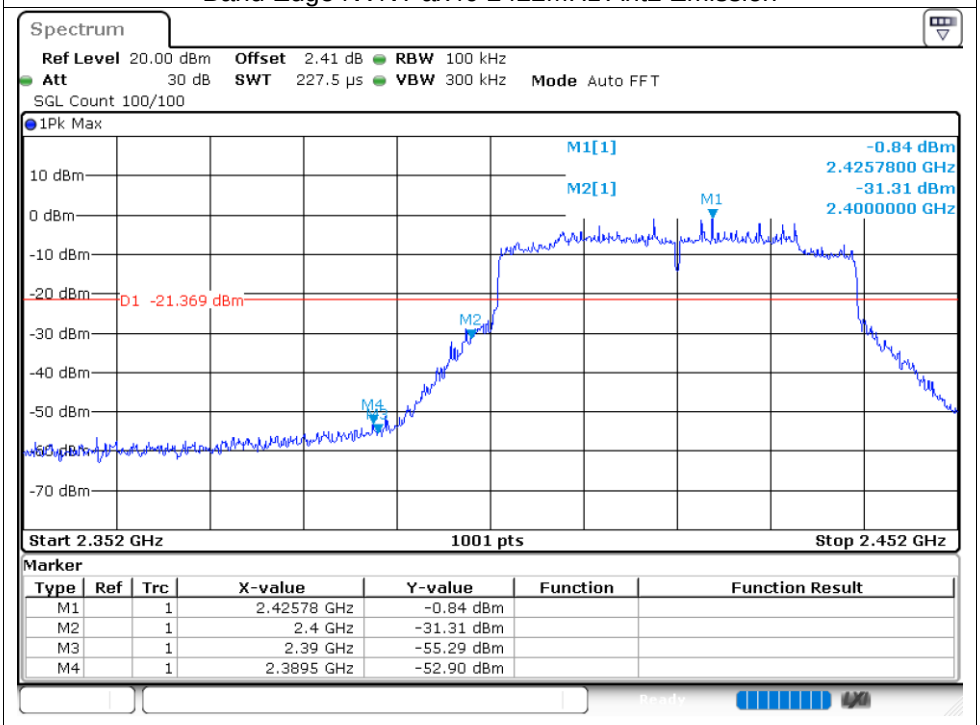
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45701 GHz	-0.79 dBm		
M2		1	2.4835 GHz	-50.98 dBm		
M3		1	2.5 GHz	-54.83 dBm		
M4		1	2.4859 GHz	-47.20 dBm		

Band Edge NVNT ax40 2422MHz Ant2 Ref



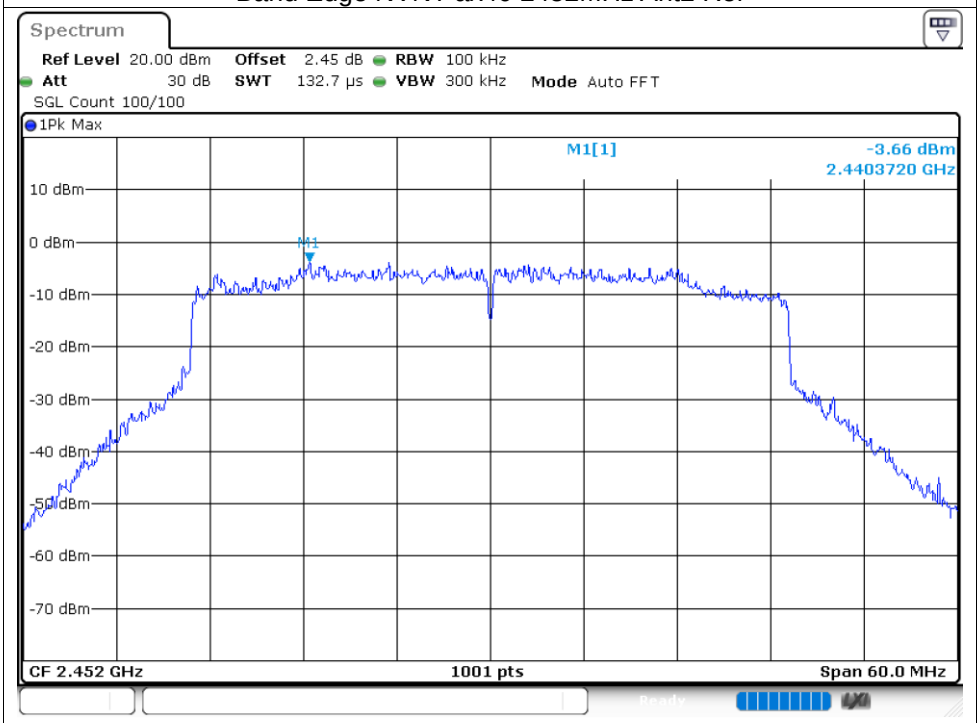
Band Edge NVNT ax40 2422MHz Ant2 Emission



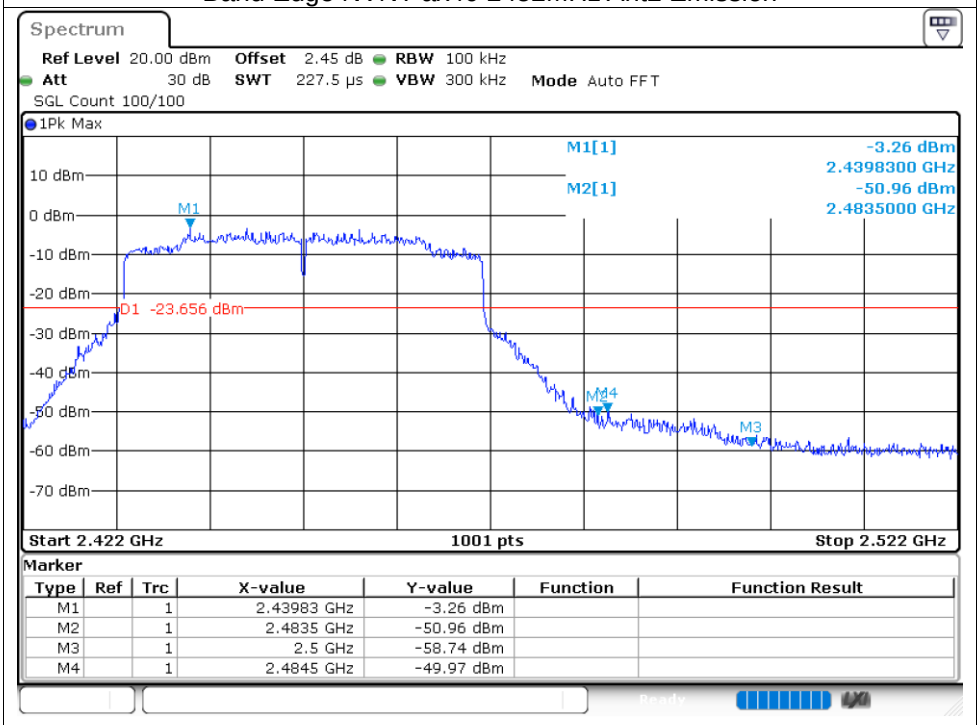
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42578 GHz	-0.84 dBm		
M2		1	2.4 GHz	-31.31 dBm		
M3		1	2.39 GHz	-55.29 dBm		
M4		1	2.3895 GHz	-52.90 dBm		

Band Edge NVNT ax40 2452MHz Ant2 Ref



Band Edge NVNT ax40 2452MHz Ant2 Emission



Marker

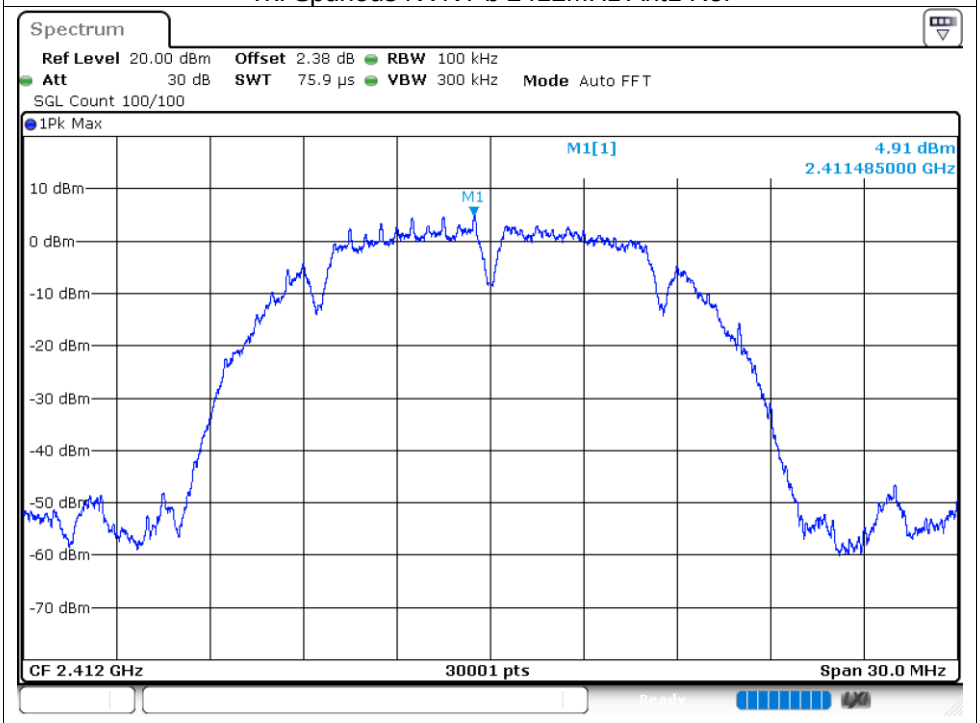
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43983 GHz	-3.26 dBm		
M2		1	2.4835 GHz	-50.96 dBm		
M3		1	2.5 GHz	-58.74 dBm		
M4		1	2.4845 GHz	-49.97 dBm		

8.7 CONDUCTED RF SPURIOUS EMISSION

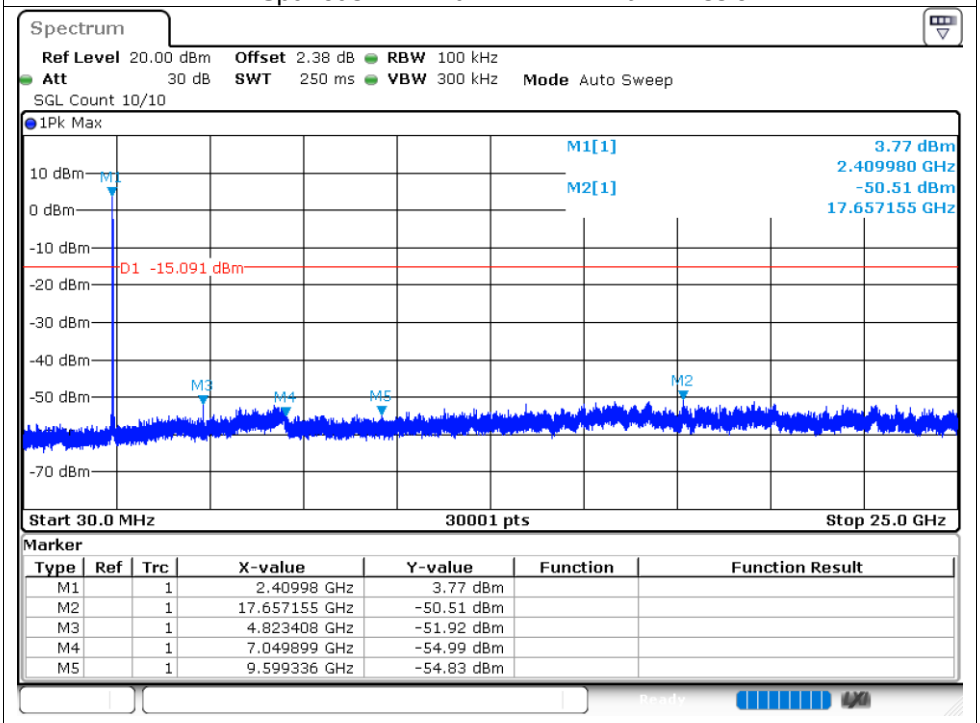
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-55.42	-20	Pass
NVNT	b	2437	Ant1	-56.19	-20	Pass
NVNT	b	2462	Ant1	-56.06	-20	Pass
NVNT	b	2412	Ant2	-54.84	-20	Pass
NVNT	b	2437	Ant2	-55.03	-20	Pass
NVNT	b	2462	Ant2	-56.2	-20	Pass
NVNT	g	2412	Ant1	-51.11	-20	Pass
NVNT	g	2437	Ant1	-51.54	-20	Pass
NVNT	g	2462	Ant1	-52.64	-20	Pass
NVNT	g	2412	Ant2	-51.12	-20	Pass
NVNT	g	2437	Ant2	-51.68	-20	Pass
NVNT	g	2462	Ant2	-54.47	-20	Pass
NVNT	n20	2412	Ant1	-52.22	-20	Pass
NVNT	n20	2437	Ant1	-51.44	-20	Pass
NVNT	n20	2462	Ant1	-50.01	-20	Pass
NVNT	n20	2412	Ant2	-54.17	-20	Pass
NVNT	n20	2437	Ant2	-54.64	-20	Pass
NVNT	n20	2462	Ant2	-50.55	-20	Pass
NVNT	n40	2422	Ant1	-46.95	-20	Pass
NVNT	n40	2437	Ant1	-46.56	-20	Pass
NVNT	n40	2452	Ant1	-49.43	-20	Pass
NVNT	n40	2422	Ant2	-49.65	-20	Pass
NVNT	n40	2437	Ant2	-51.31	-20	Pass
NVNT	n40	2452	Ant2	-51.08	-20	Pass
NVNT	ax20	2412	Ant1	-53.25	-20	Pass
NVNT	ax20	2437	Ant1	-51.41	-20	Pass
NVNT	ax20	2462	Ant1	-50.84	-20	Pass
NVNT	ax20	2412	Ant2	-48.85	-20	Pass
NVNT	ax20	2437	Ant2	-49.69	-20	Pass
NVNT	ax20	2462	Ant2	-52.65	-20	Pass
NVNT	ax40	2422	Ant1	-49.59	-20	Pass
NVNT	ax40	2437	Ant1	-47.2	-20	Pass
NVNT	ax40	2452	Ant1	-49.86	-20	Pass
NVNT	ax40	2422	Ant2	-47.79	-20	Pass
NVNT	ax40	2437	Ant2	-46.32	-20	Pass
NVNT	ax40	2452	Ant2	-47.48	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



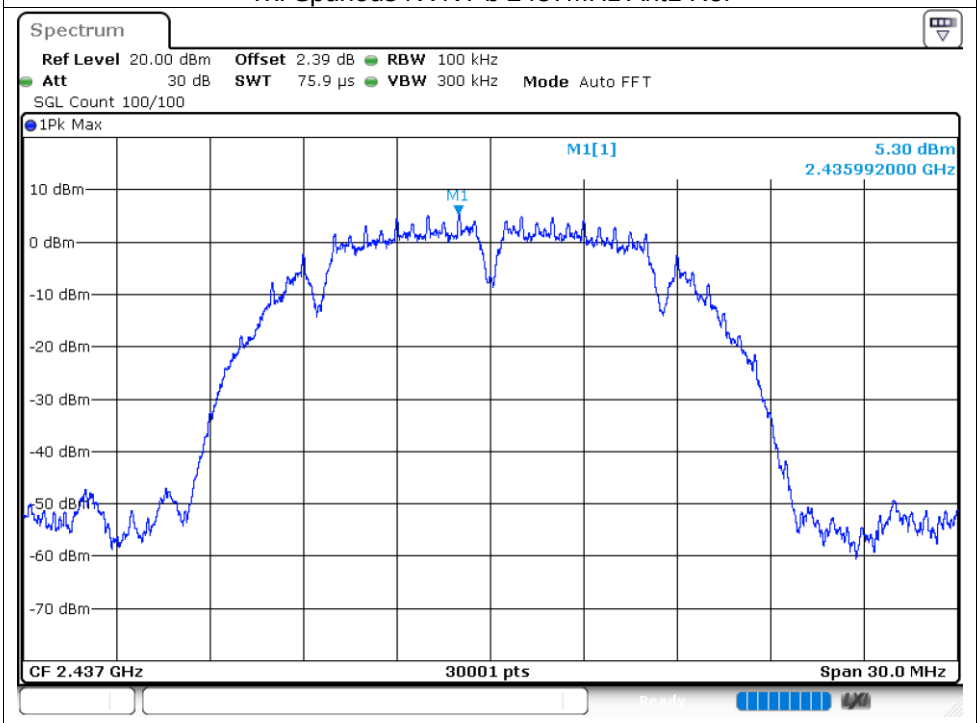
Tx. Spurious NVNT b 2412MHz Ant1 Emission



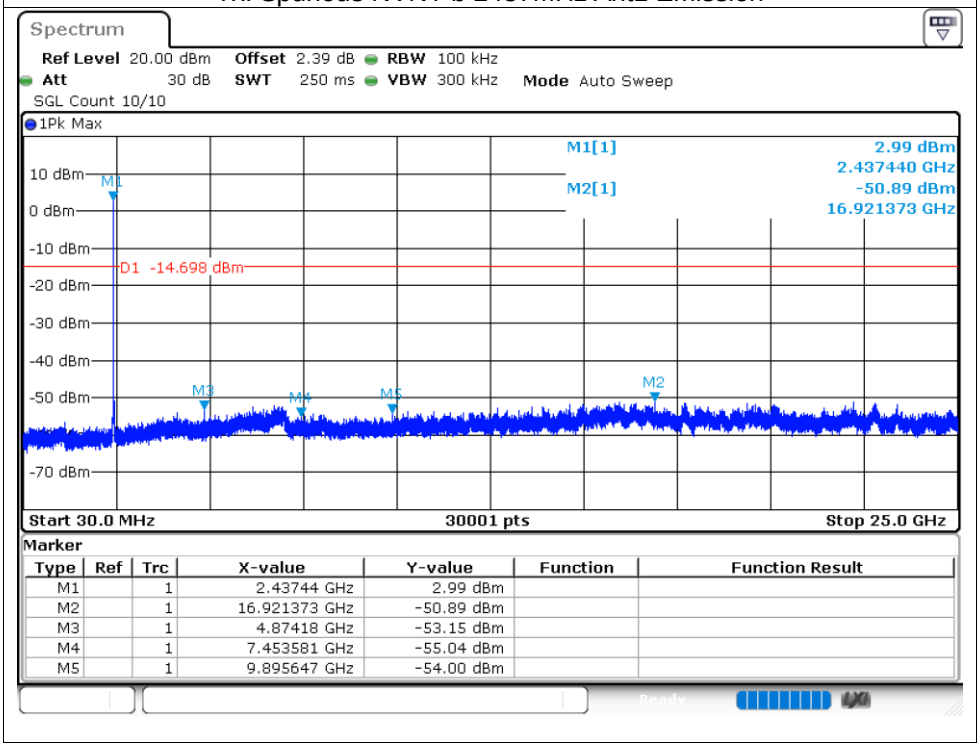
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40998 GHz	3.77 dBm		
M2		1	17.657155 GHz	-50.51 dBm		
M3		1	4.823408 GHz	-51.92 dBm		
M4		1	7.049899 GHz	-54.99 dBm		
M5		1	9.599336 GHz	-54.83 dBm		

Tx. Spurious NVNT b 2437MHz Ant1 Ref

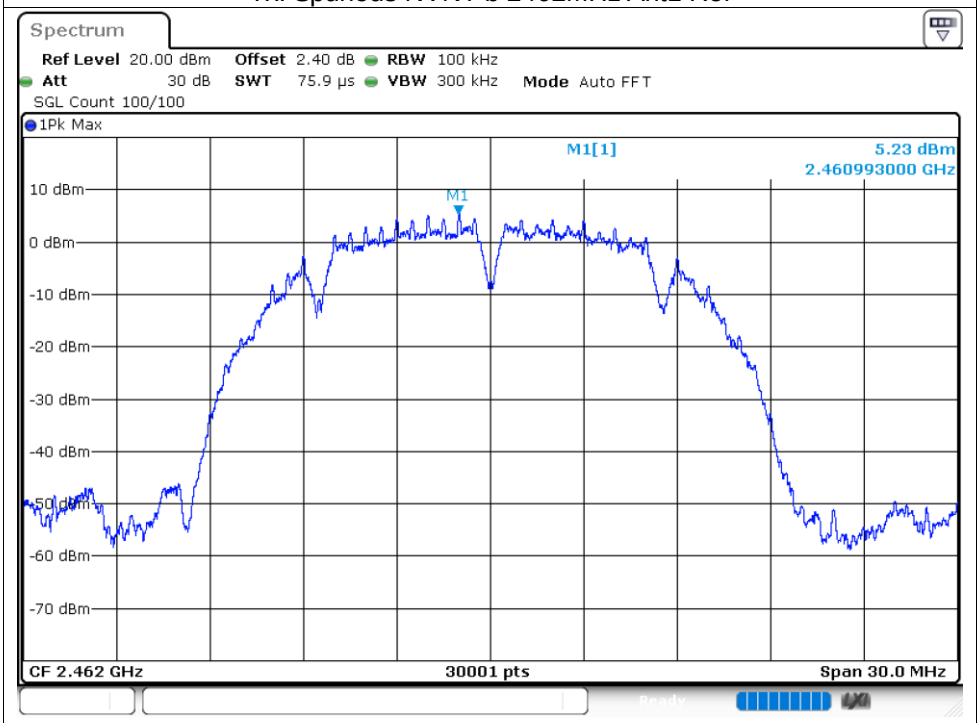


Tx. Spurious NVNT b 2437MHz Ant1 Emission

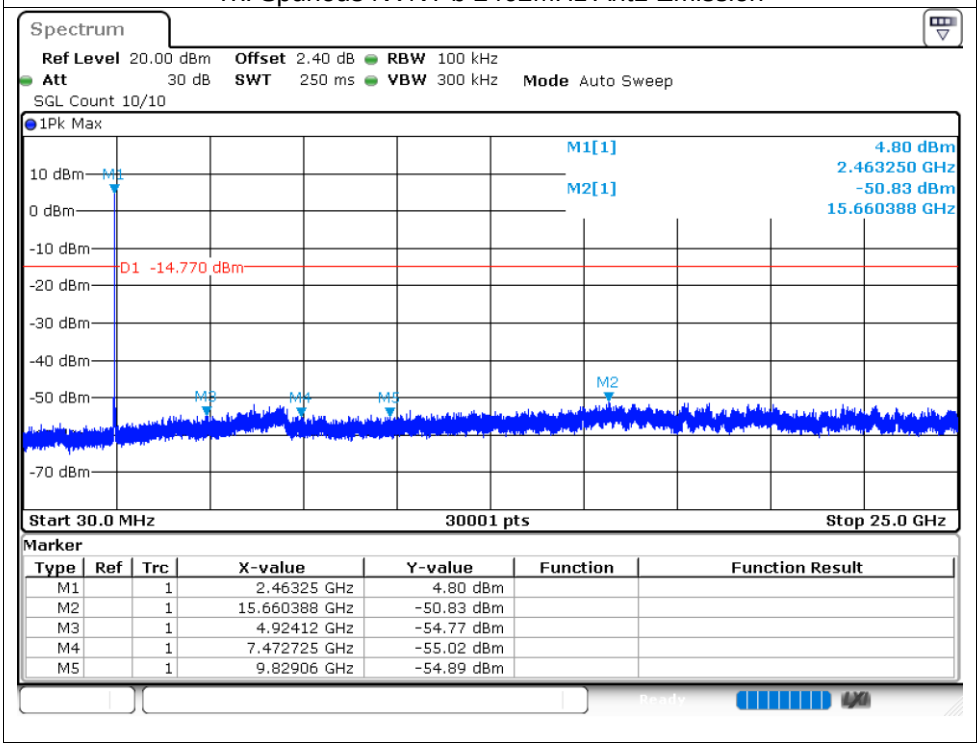


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43744 GHz	2.99 dBm		
M2		1	16.921373 GHz	-50.89 dBm		
M3		1	4.87418 GHz	-53.15 dBm		
M4		1	7.453581 GHz	-55.04 dBm		
M5		1	9.895647 GHz	-54.00 dBm		

Tx. Spurious NVNT b 2462MHz Ant1 Ref

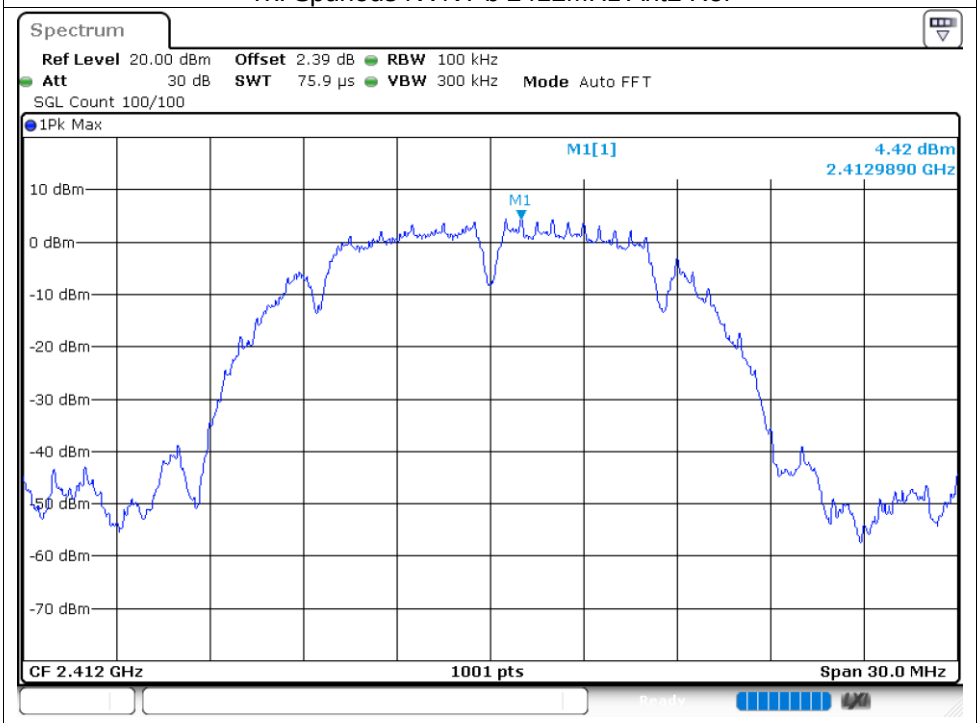


Tx. Spurious NVNT b 2462MHz Ant1 Emission

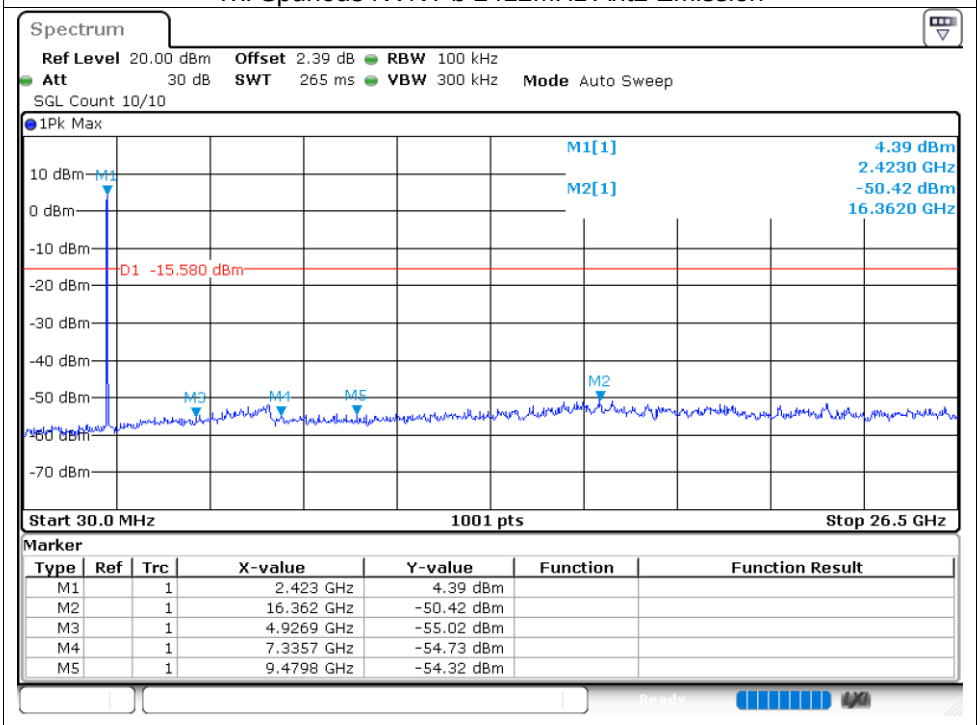


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46325 GHz	4.80 dBm		
M2		1	15.660388 GHz	-50.83 dBm		
M3		1	4.92412 GHz	-54.77 dBm		
M4		1	7.472725 GHz	-55.02 dBm		
M5		1	9.82906 GHz	-54.89 dBm		

Tx. Spurious NVNT b 2412MHz Ant2 Ref

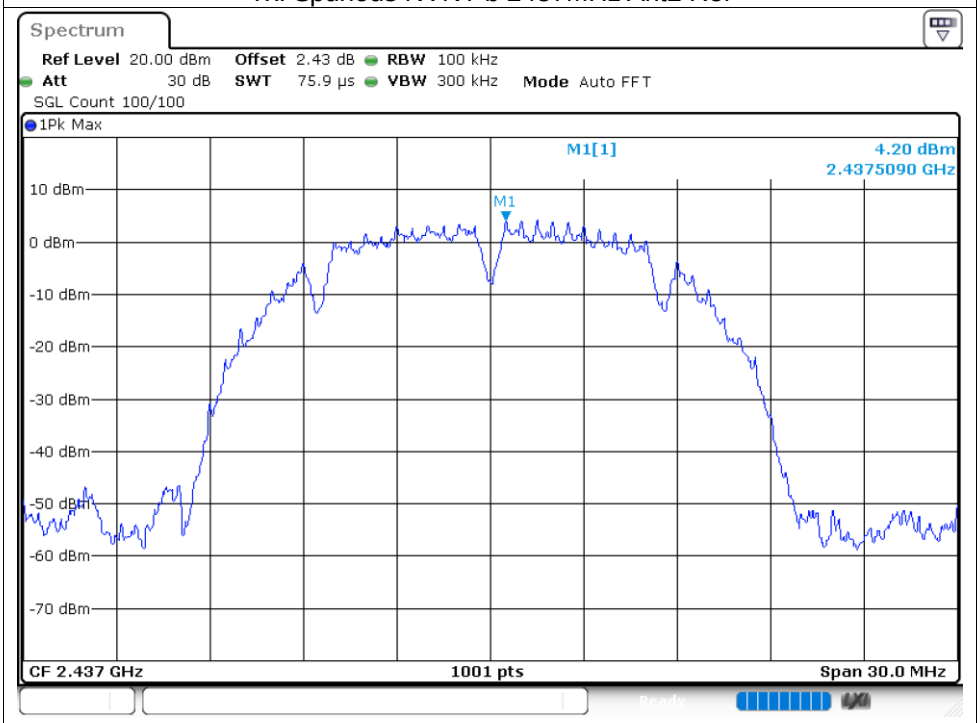


Tx. Spurious NVNT b 2412MHz Ant2 Emission

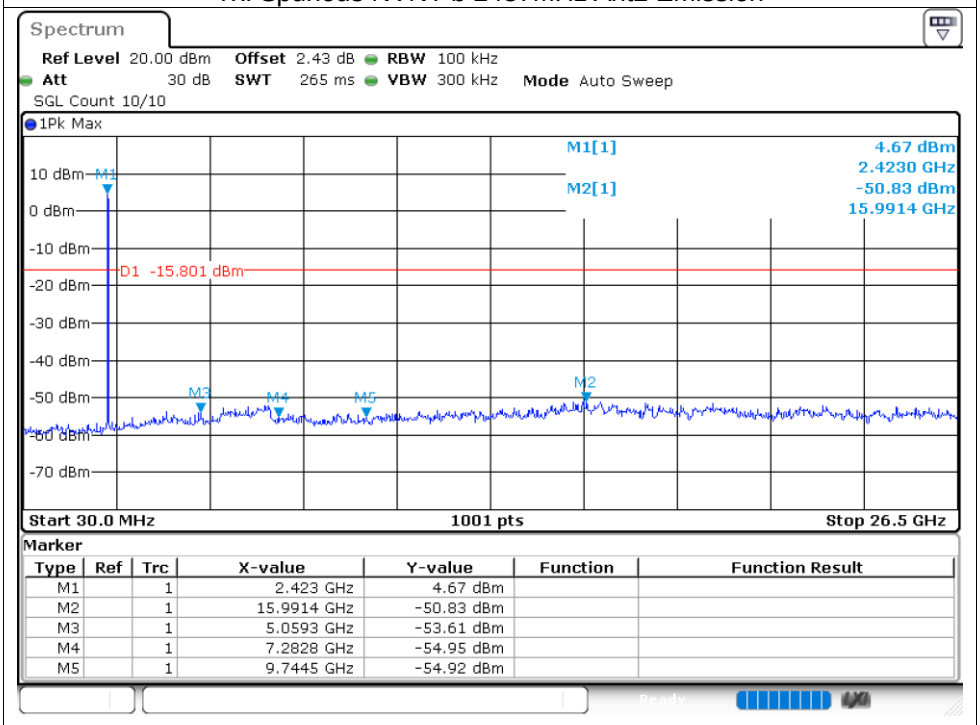


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	4.39 dBm		
M2		1	16.362 GHz	-50.42 dBm		
M3		1	4.9269 GHz	-55.02 dBm		
M4		1	7.3357 GHz	-54.73 dBm		
M5		1	9.4798 GHz	-54.32 dBm		

Tx. Spurious NVNT b 2437MHz Ant2 Ref



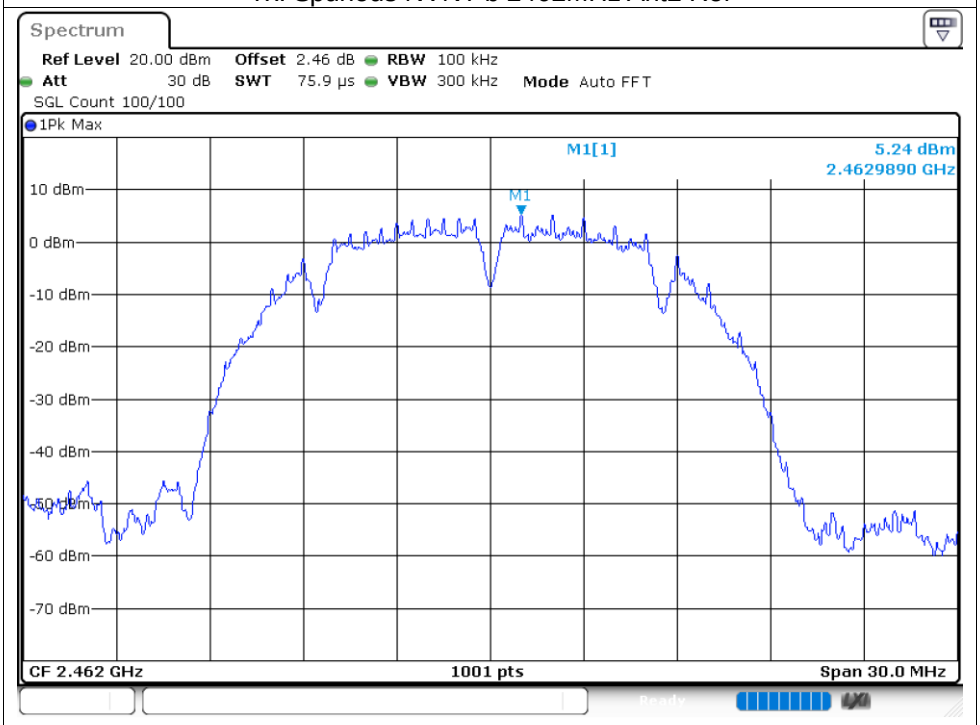
Tx. Spurious NVNT b 2437MHz Ant2 Emission



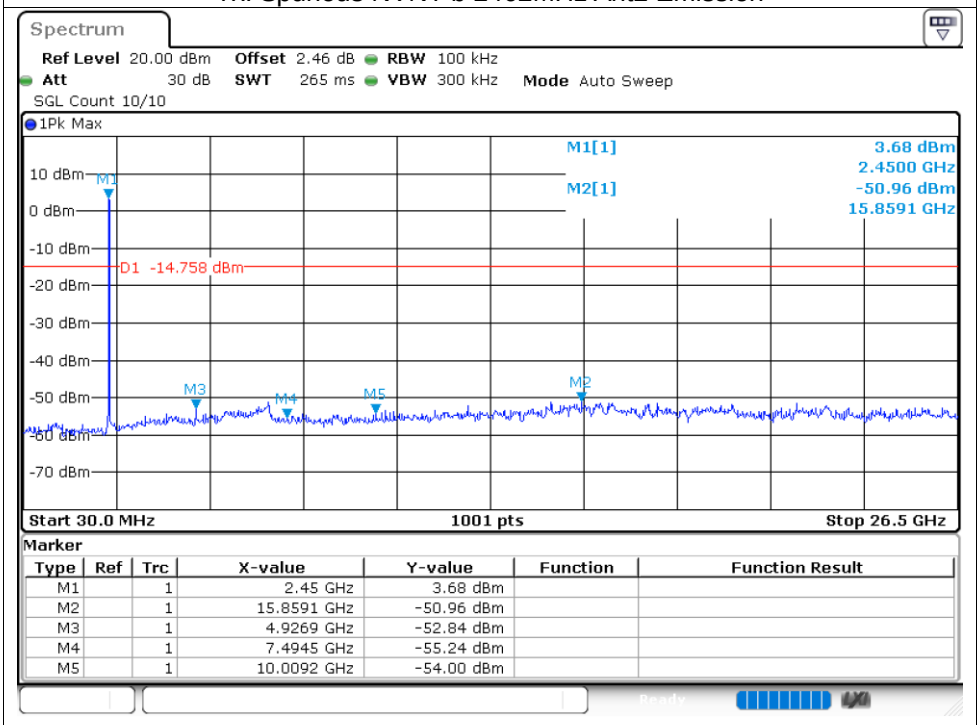
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	4.67 dBm		
M2		1	15.9914 GHz	-50.83 dBm		
M3		1	5.0593 GHz	-53.61 dBm		
M4		1	7.2828 GHz	-54.95 dBm		
M5		1	9.7445 GHz	-54.92 dBm		

Tx. Spurious NVNT b 2462MHz Ant2 Ref

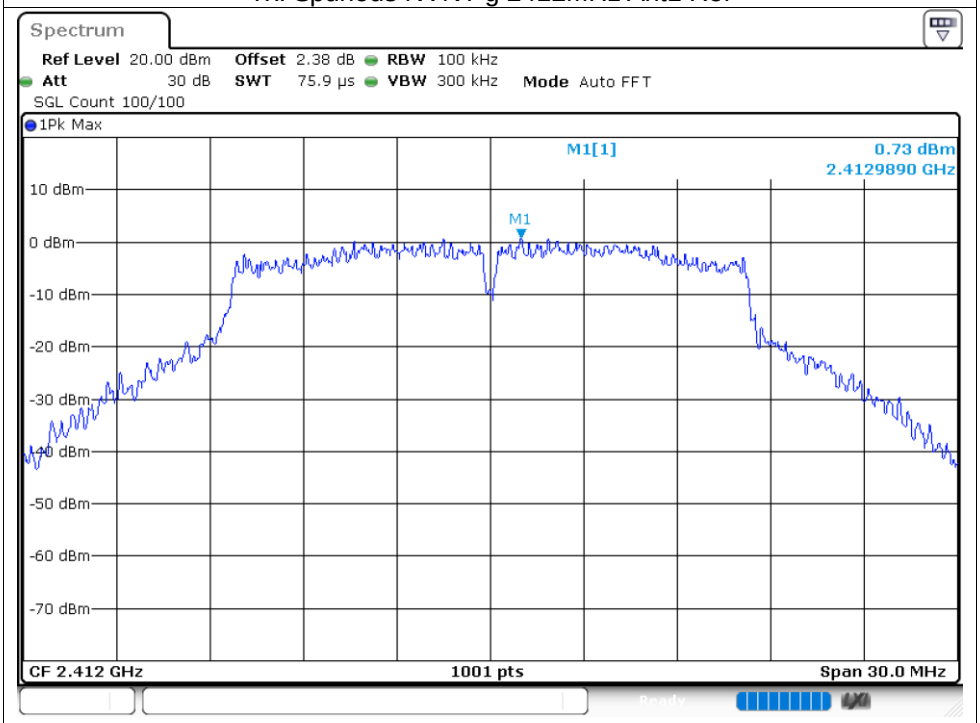


Tx. Spurious NVNT b 2462MHz Ant2 Emission

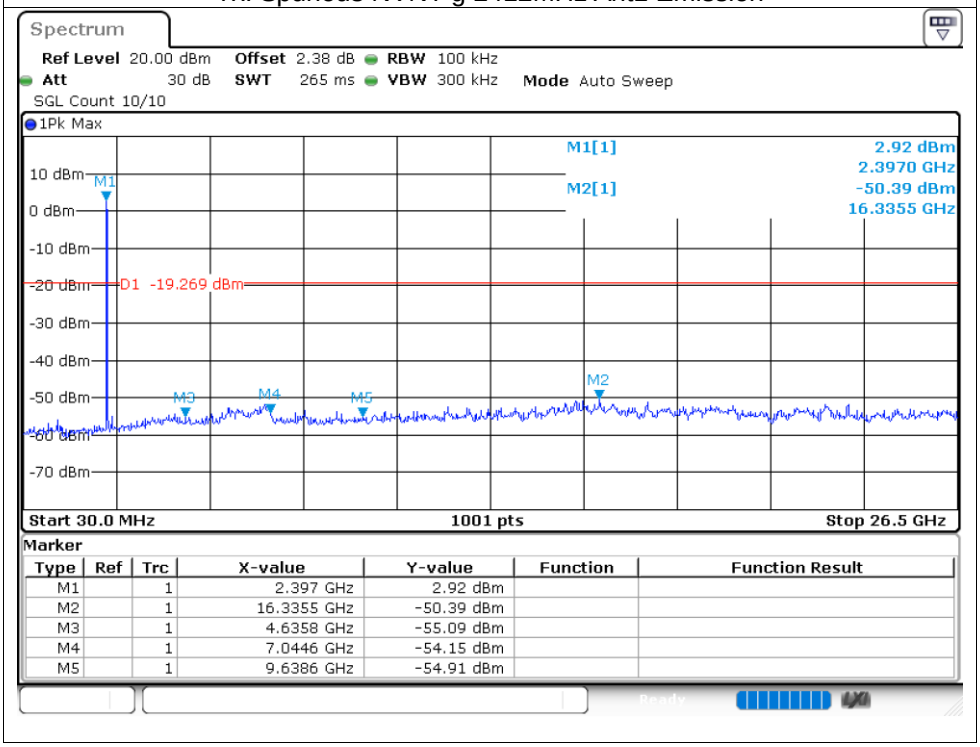


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	3.68 dBm		
M2		1	15.8591 GHz	-50.96 dBm		
M3		1	4.9269 GHz	-52.84 dBm		
M4		1	7.4945 GHz	-55.24 dBm		
M5		1	10.0092 GHz	-54.00 dBm		

Tx. Spurious NVNT g 2412MHz Ant1 Ref



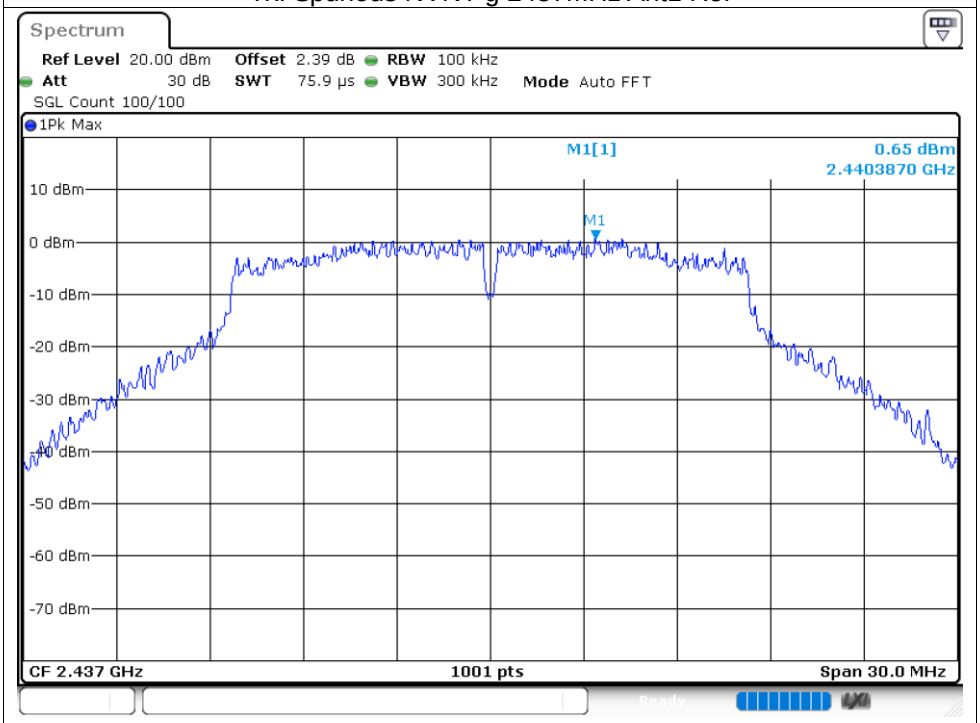
Tx. Spurious NVNT g 2412MHz Ant1 Emission



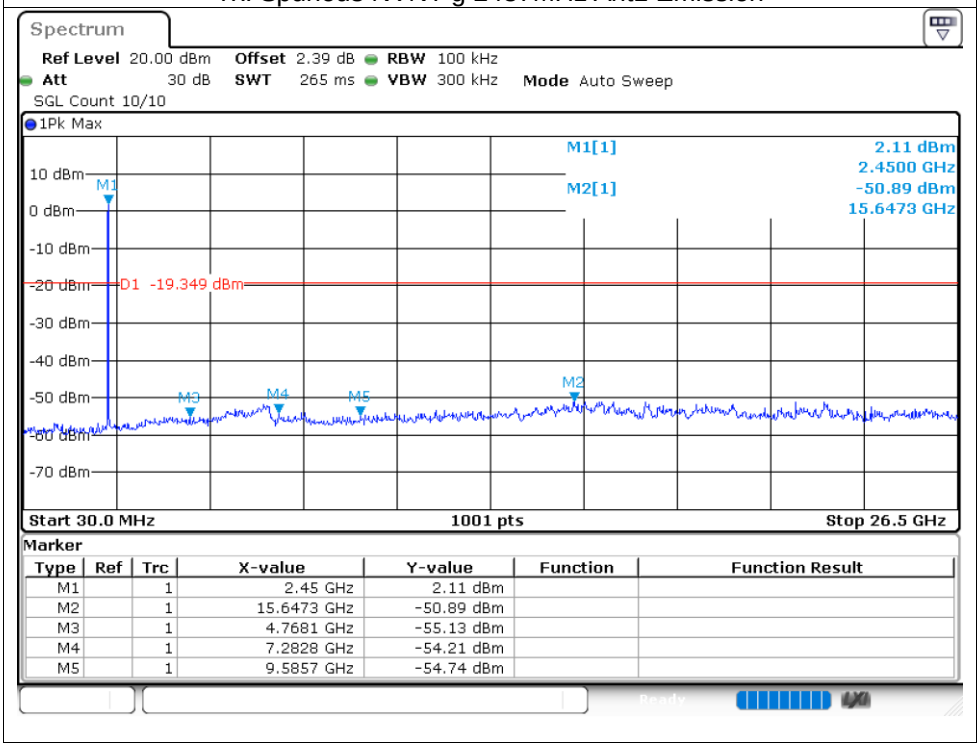
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	2.92 dBm		
M2		1	16.3355 GHz	-50.39 dBm		
M3		1	4.6358 GHz	-55.09 dBm		
M4		1	7.0446 GHz	-54.15 dBm		
M5		1	9.6386 GHz	-54.91 dBm		

Tx. Spurious NVNT g 2437MHz Ant1 Ref



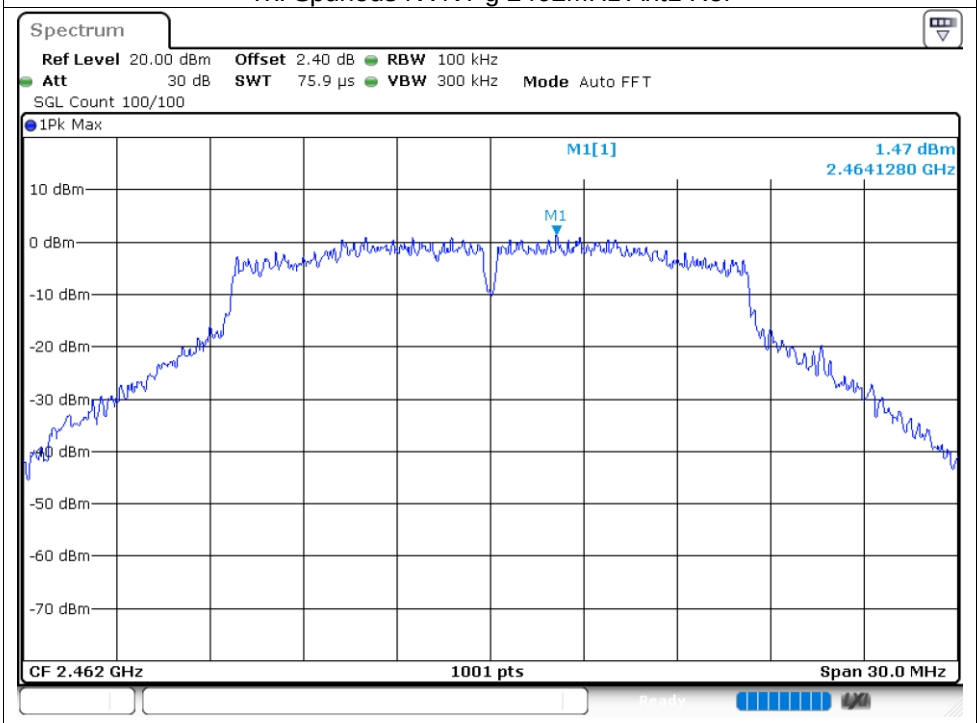
Tx. Spurious NVNT g 2437MHz Ant1 Emission



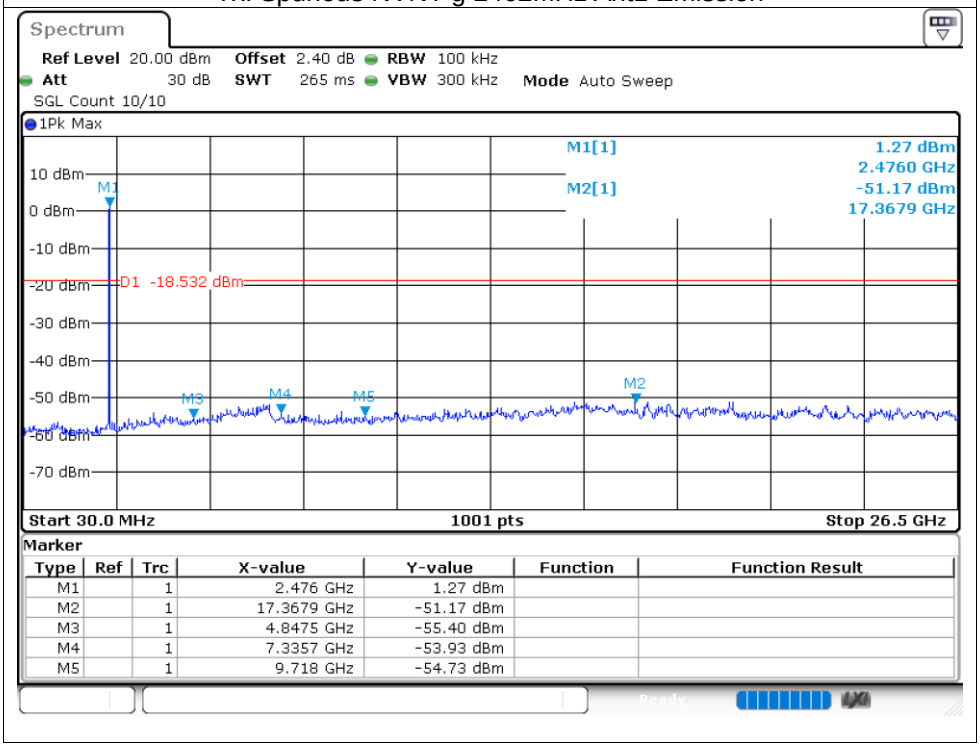
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	2.11 dBm		
M2		1	15.6473 GHz	-50.89 dBm		
M3		1	4.7681 GHz	-55.13 dBm		
M4		1	7.2828 GHz	-54.21 dBm		
M5		1	9.5857 GHz	-54.74 dBm		

Tx. Spurious NVNT g 2462MHz Ant1 Ref



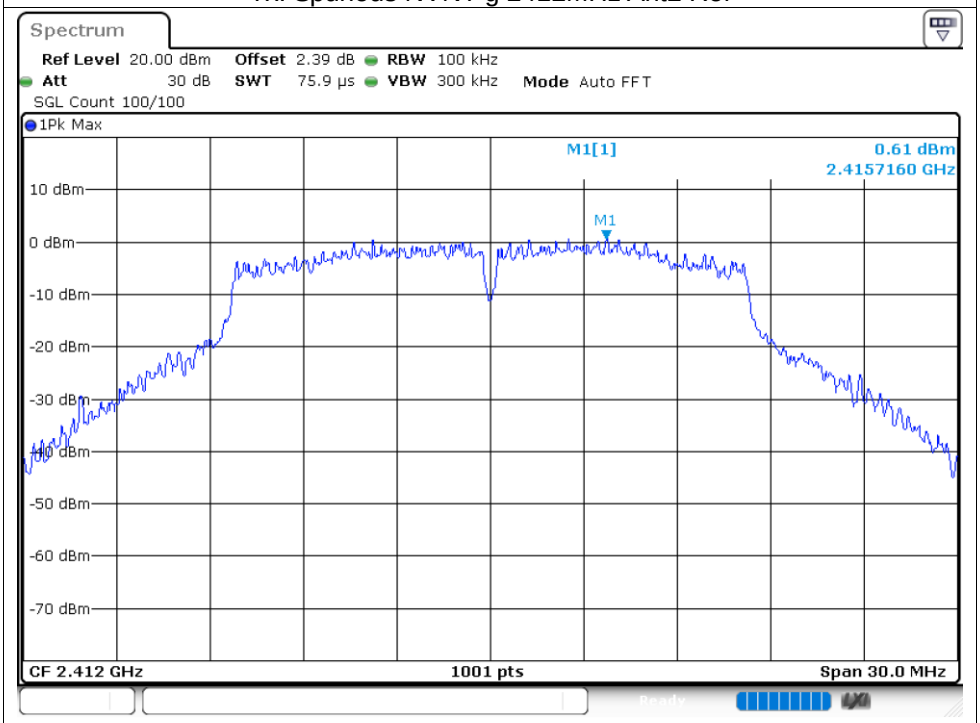
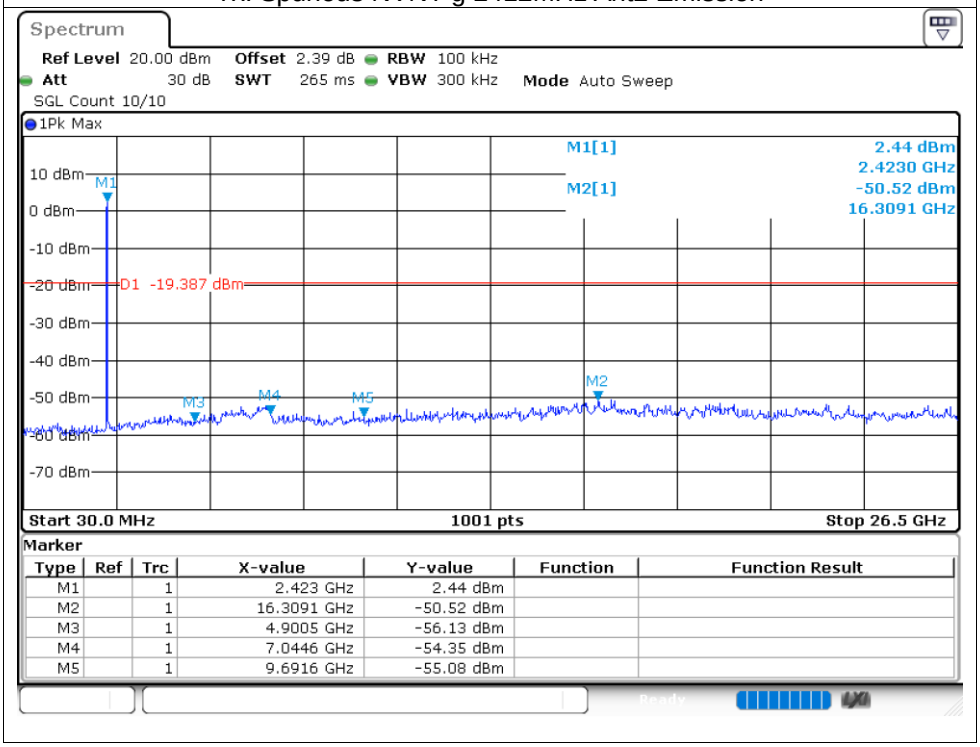
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	1.27 dBm		
M2		1	17.3679 GHz	-51.17 dBm		
M3		1	4.8475 GHz	-55.40 dBm		
M4		1	7.3357 GHz	-53.93 dBm		
M5		1	9.718 GHz	-54.73 dBm		

Tx. Spurious NVNT g 2412MHz Ant2 Ref



Tx. Spurious NVNT g 2412MHz Ant2 Emission