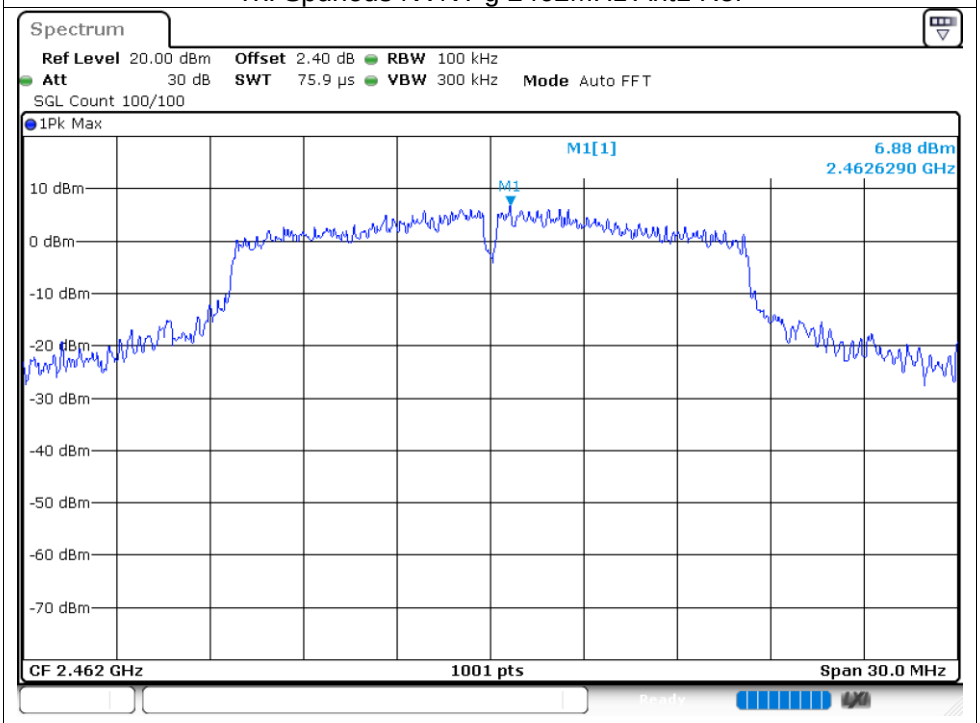
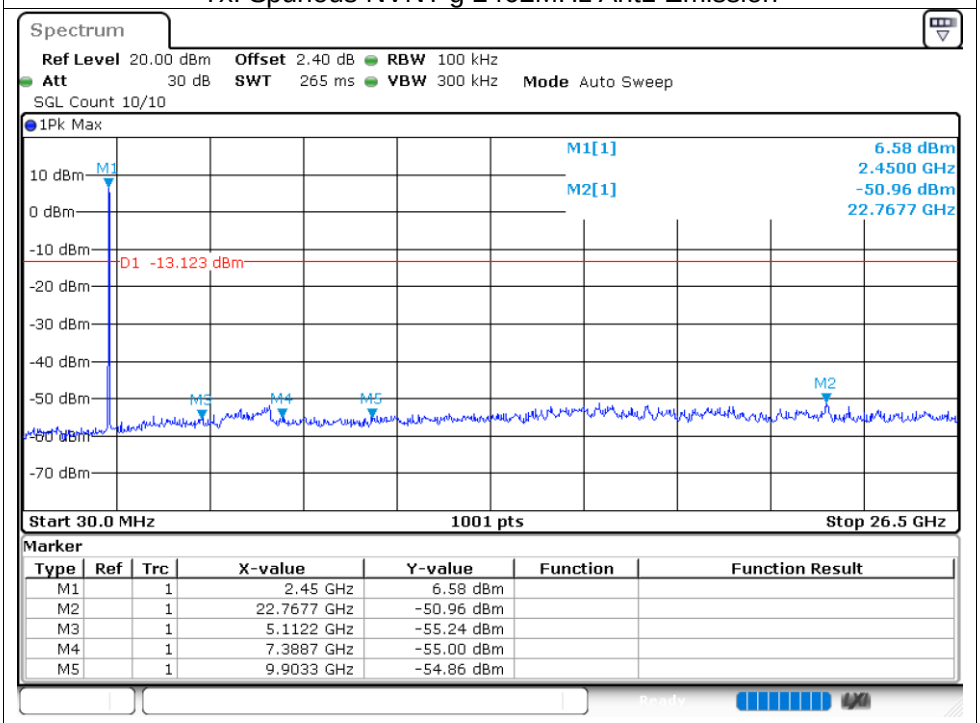
Tx. Spurious NVNT g 2462MHz Ant1 Ref



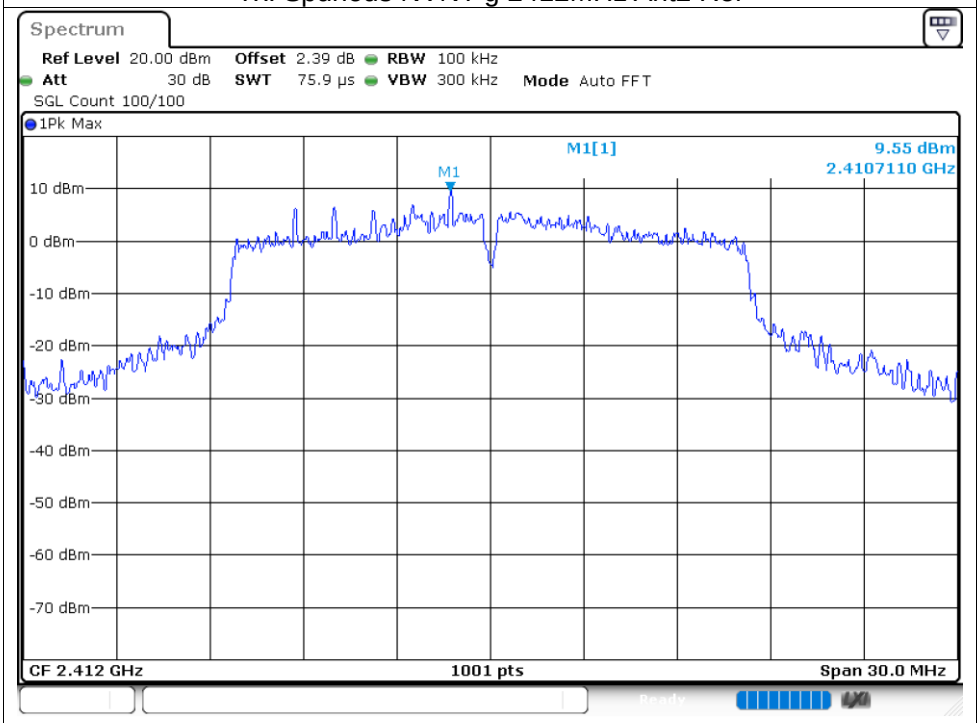
Tx. Spurious NVNT g 2462MHz Ant1 Emission



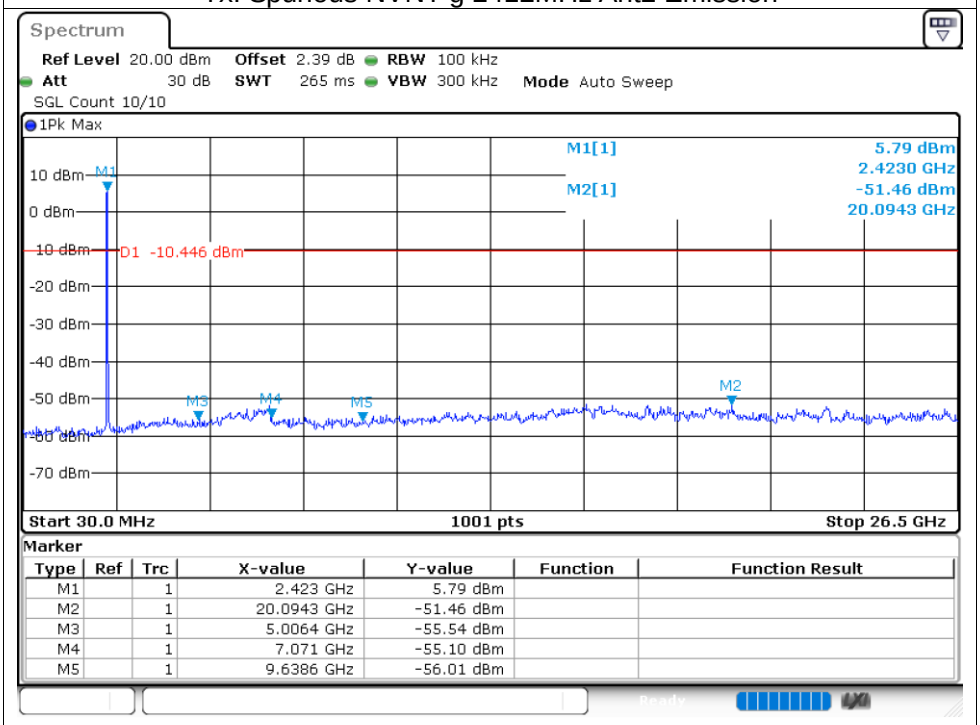
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	6.58 dBm		
M2		1	22.7677 GHz	-50.96 dBm		
M3		1	5.1122 GHz	-55.24 dBm		
M4		1	7.3887 GHz	-55.00 dBm		
M5		1	9.9033 GHz	-54.86 dBm		

Tx. Spurious NVNT g 2412MHz Ant2 Ref



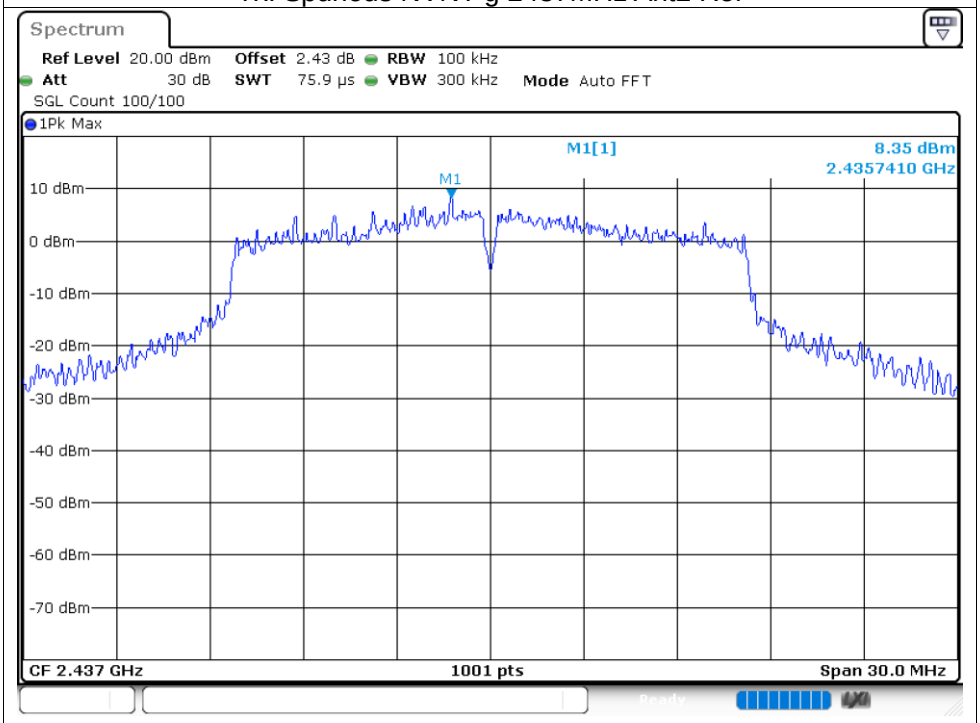
Tx. Spurious NVNT g 2412MHz Ant2 Emission



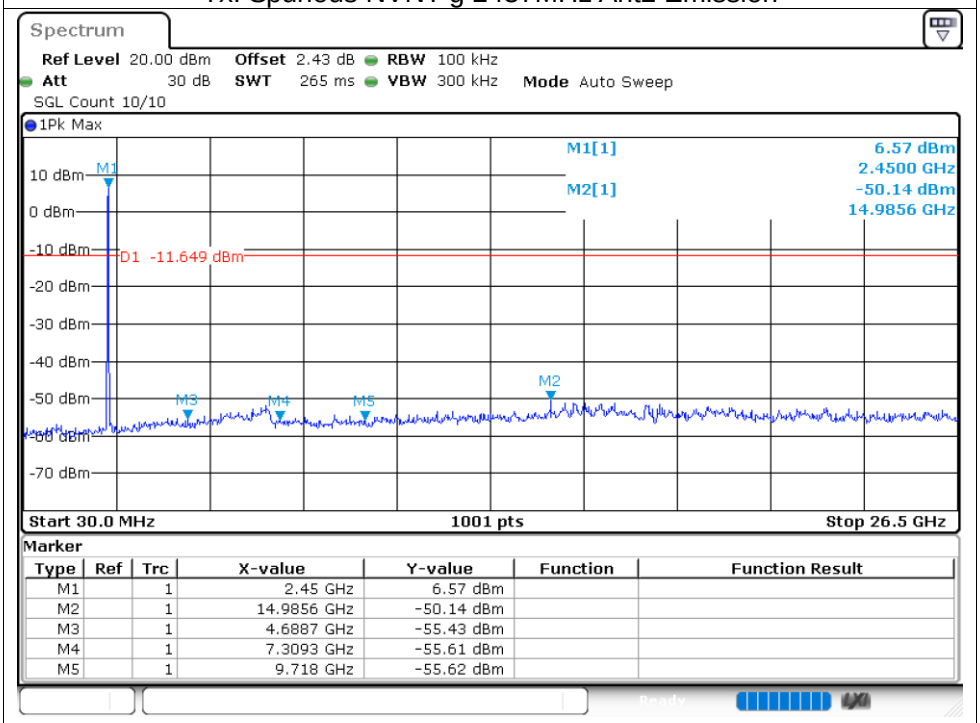
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	5.79 dBm		
M2		1	20.0943 GHz	-51.46 dBm		
M3		1	5.0064 GHz	-55.54 dBm		
M4		1	7.071 GHz	-55.10 dBm		
M5		1	9.6386 GHz	-56.01 dBm		

Tx. Spurious NVNT g 2437MHz Ant2 Ref



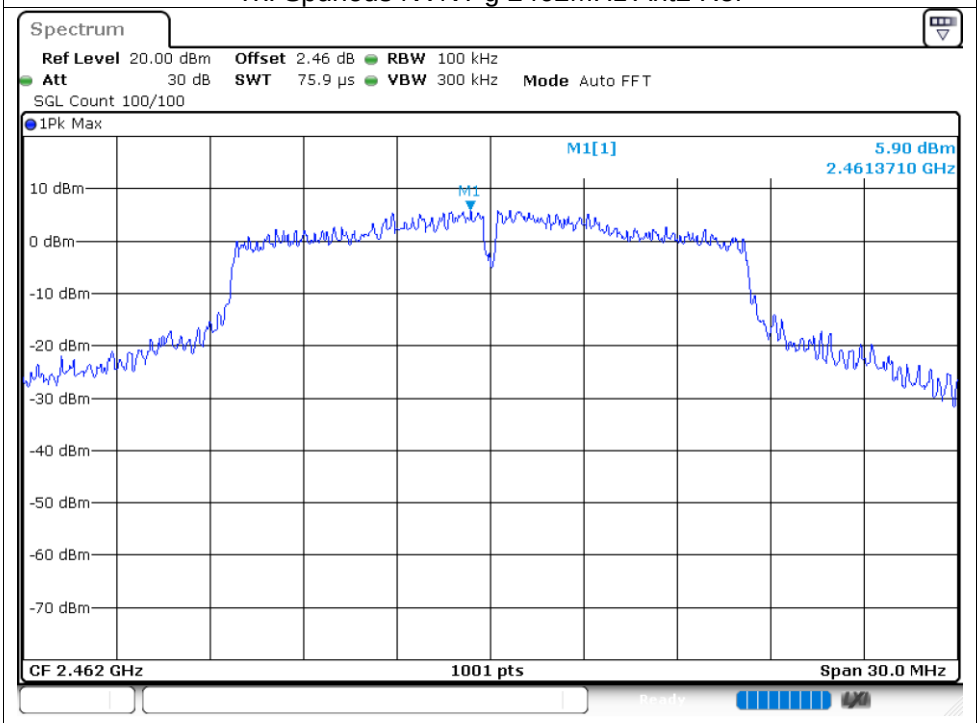
Tx. Spurious NVNT g 2437MHz Ant2 Emission



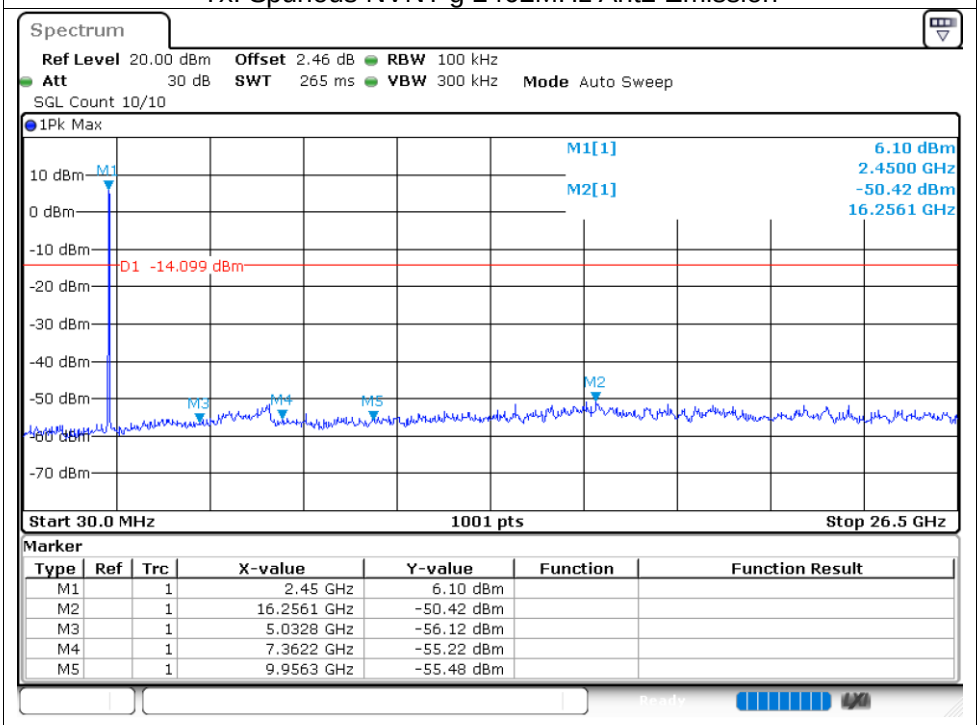
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	6.57 dBm		
M2		1	14.9856 GHz	-50.14 dBm		
M3		1	4.6887 GHz	-55.43 dBm		
M4		1	7.3093 GHz	-55.61 dBm		
M5		1	9.718 GHz	-55.62 dBm		

Tx. Spurious NVNT g 2462MHz Ant2 Ref



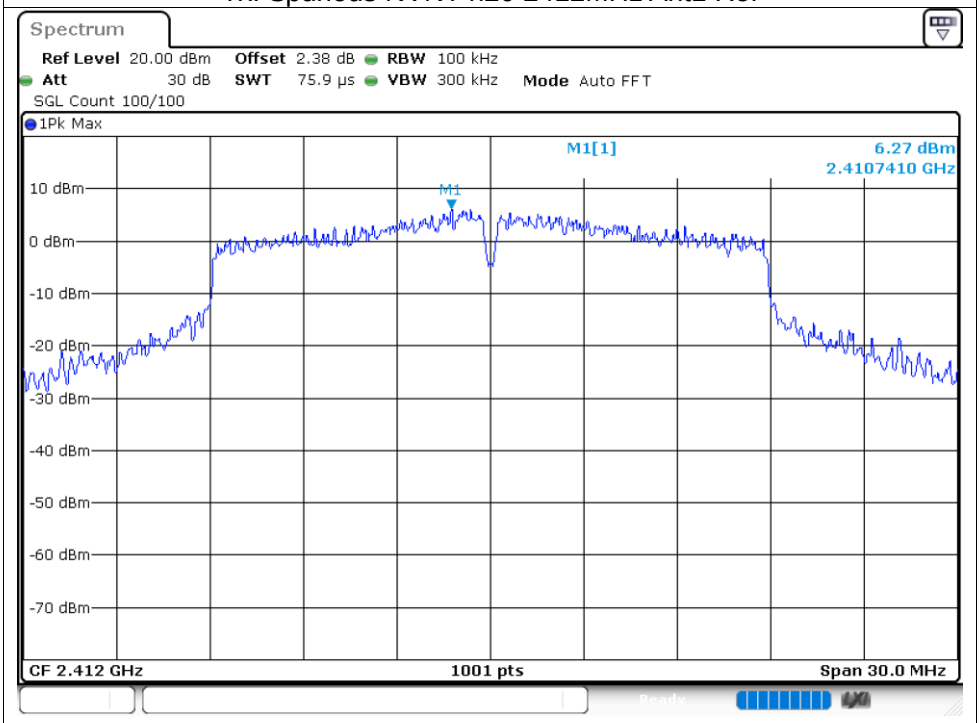
Tx. Spurious NVNT g 2462MHz Ant2 Emission



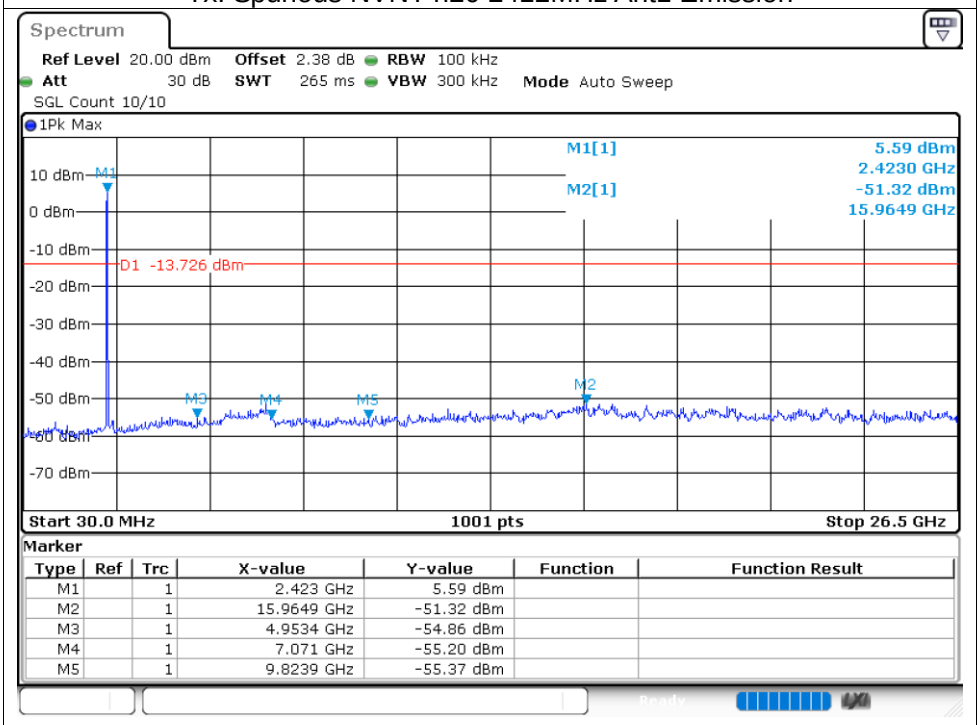
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	6.10 dBm		
M2		1	16.2561 GHz	-50.42 dBm		
M3		1	5.0328 GHz	-56.12 dBm		
M4		1	7.3622 GHz	-55.22 dBm		
M5		1	9.9563 GHz	-55.48 dBm		

Tx. Spurious NVNT n20 2412MHz Ant1 Ref



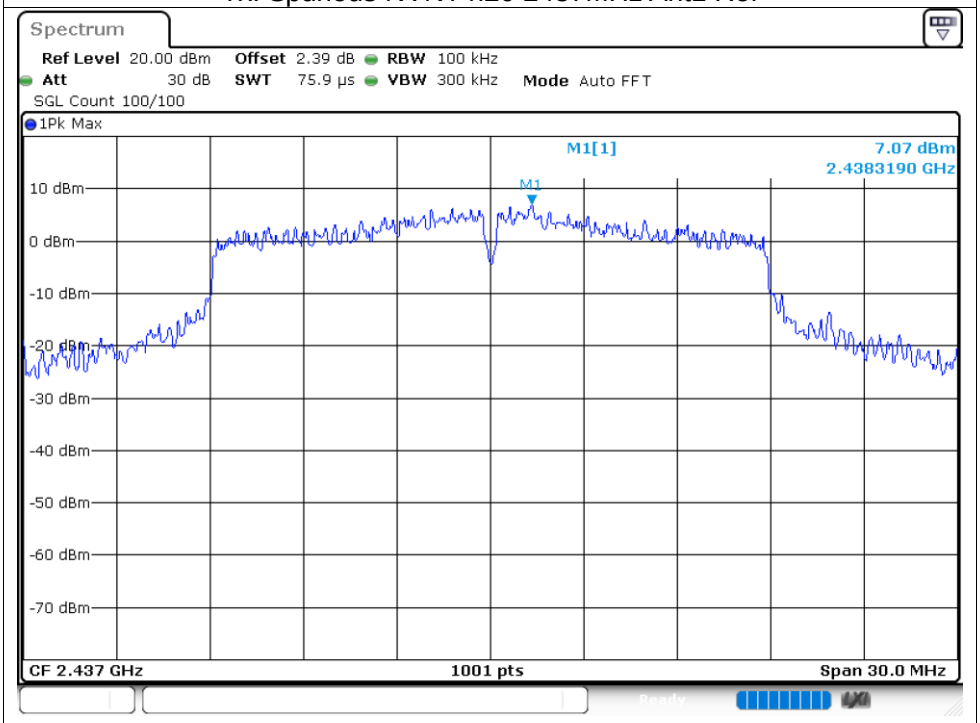
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



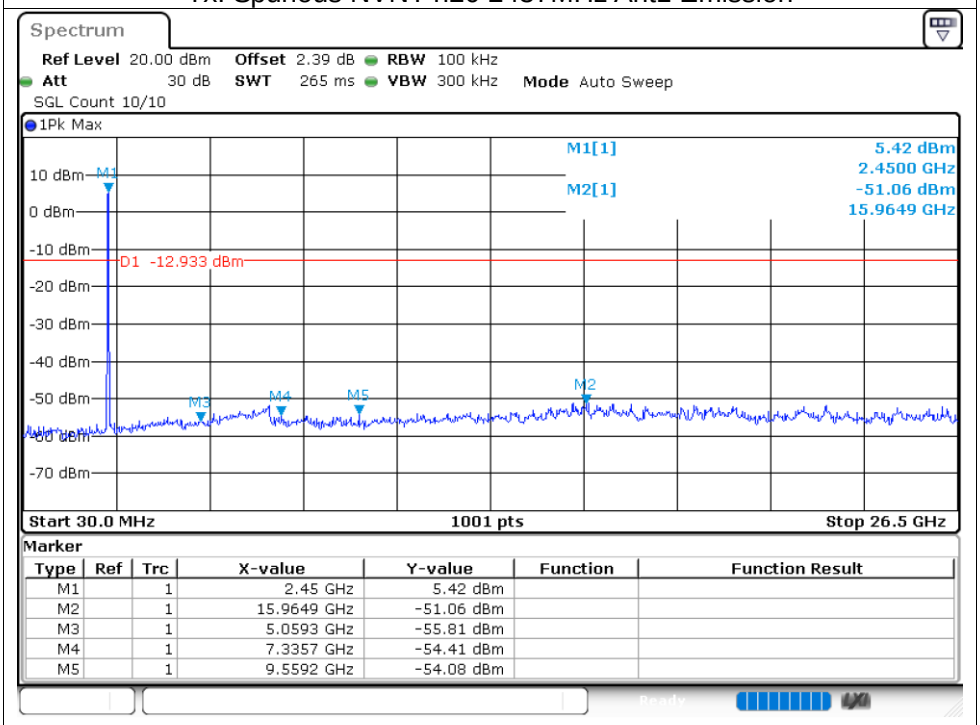
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	5.59 dBm		
M2		1	15.9649 GHz	-51.32 dBm		
M3		1	4.9534 GHz	-54.86 dBm		
M4		1	7.071 GHz	-55.20 dBm		
M5		1	9.8239 GHz	-55.37 dBm		

Tx. Spurious NVNT n20 2437MHz Ant1 Ref



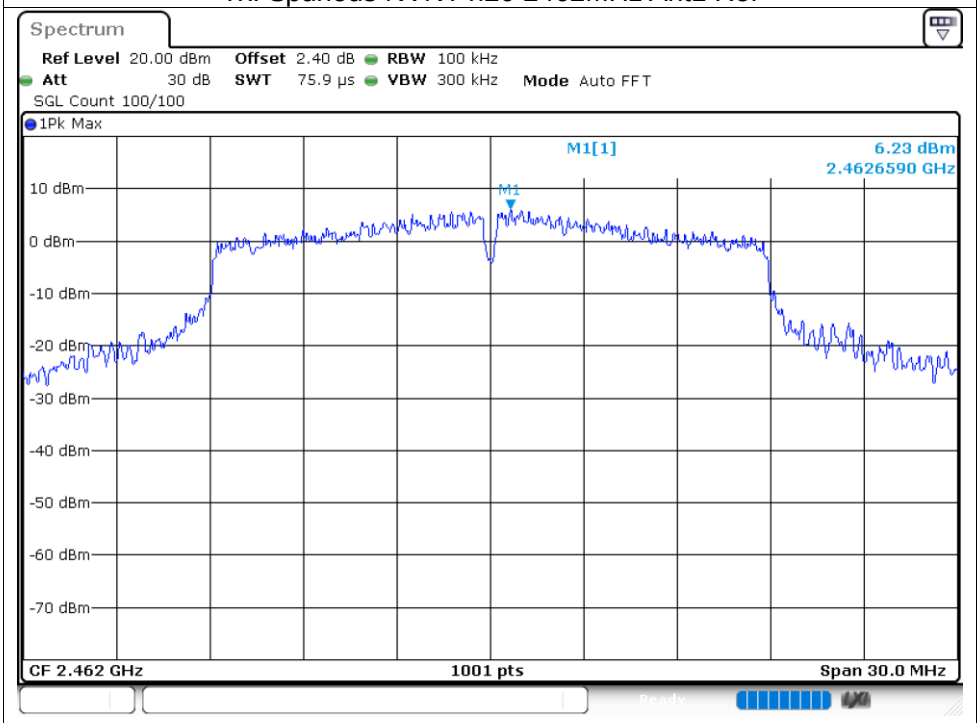
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



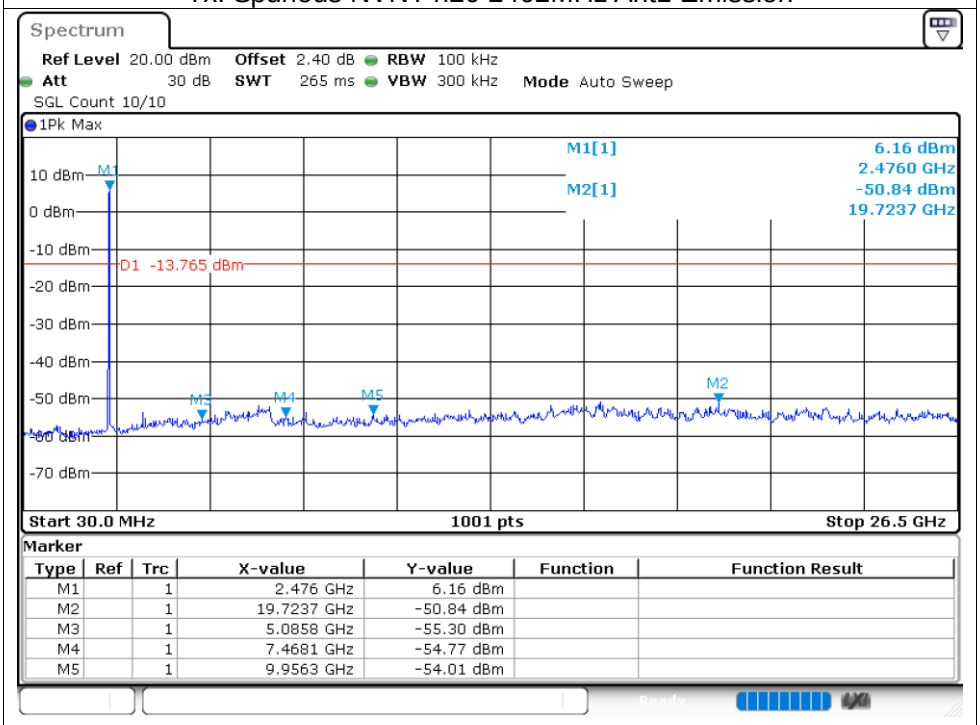
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	5.42 dBm		
M2		1	15.9649 GHz	-51.06 dBm		
M3		1	5.0593 GHz	-55.81 dBm		
M4		1	7.3357 GHz	-54.41 dBm		
M5		1	9.5592 GHz	-54.08 dBm		

Tx. Spurious NVNT n20 2462MHz Ant1 Ref



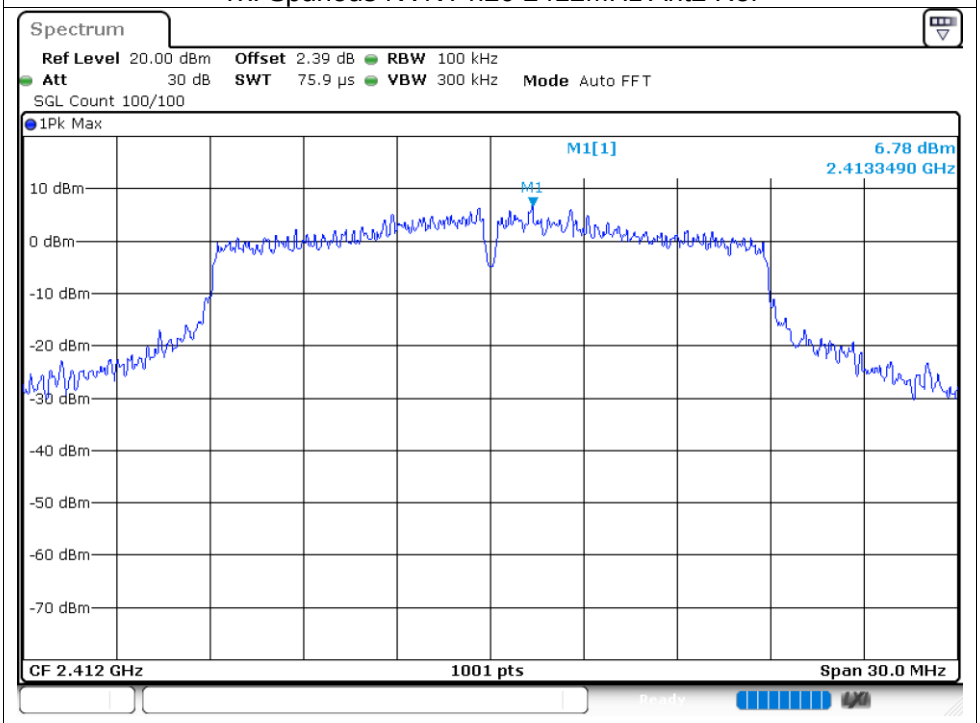
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



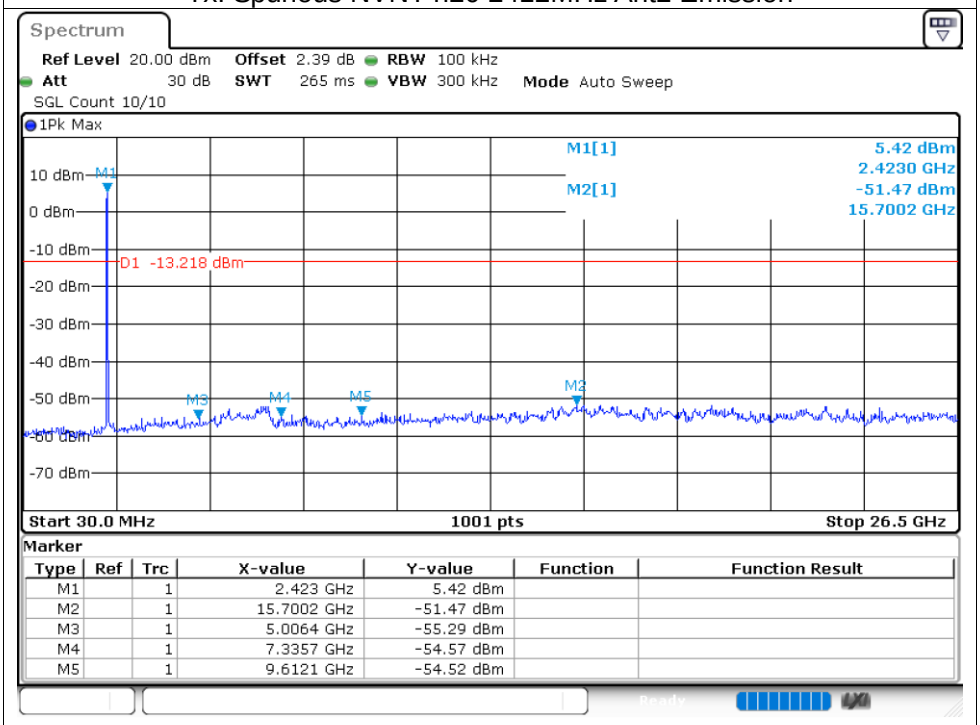
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	6.16 dBm		
M2		1	19.7237 GHz	-50.84 dBm		
M3		1	5.0858 GHz	-55.30 dBm		
M4		1	7.4681 GHz	-54.77 dBm		
M5		1	9.9563 GHz	-54.01 dBm		

Tx. Spurious NVNT n20 2412MHz Ant2 Ref



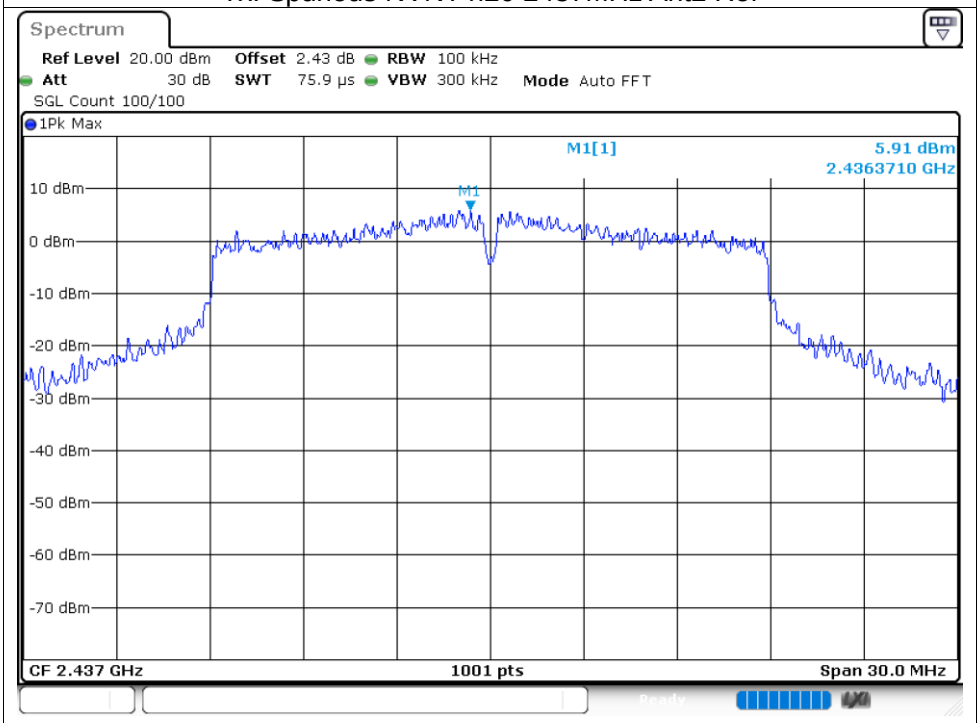
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



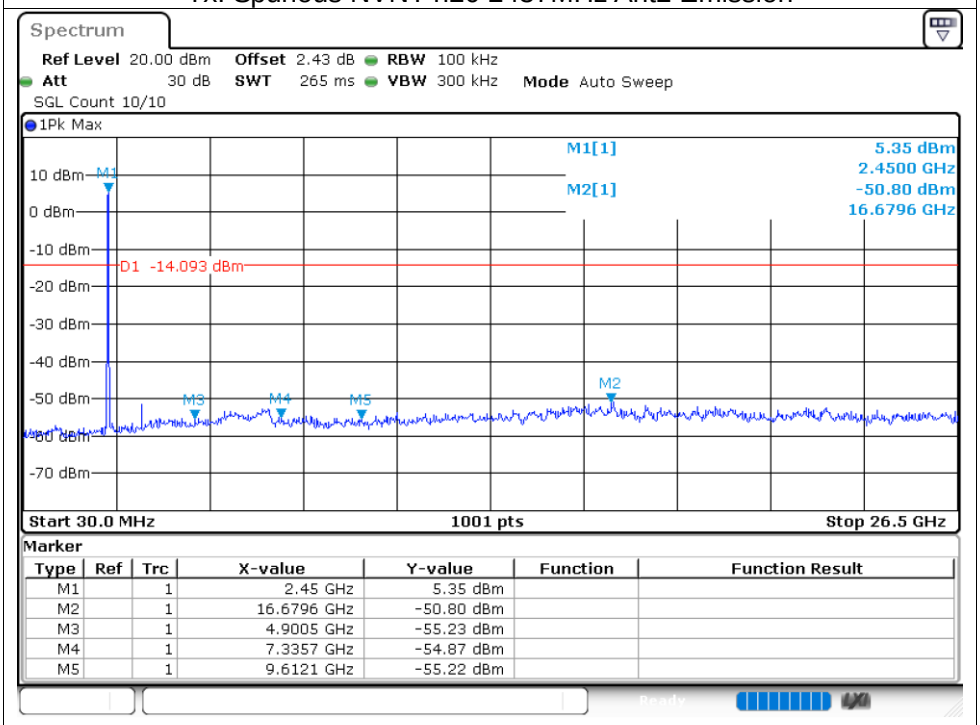
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	5.42 dBm		
M2		1	15.7002 GHz	-51.47 dBm		
M3		1	5.0064 GHz	-55.29 dBm		
M4		1	7.3357 GHz	-54.57 dBm		
M5		1	9.6121 GHz	-54.52 dBm		

Tx. Spurious NVNT n20 2437MHz Ant2 Ref



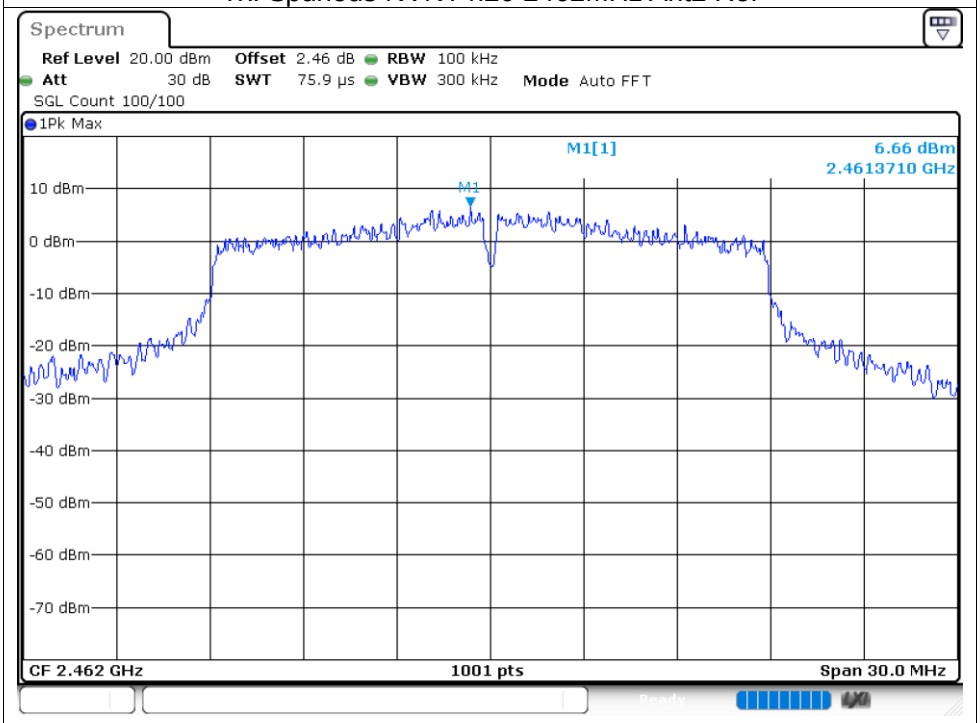
Tx. Spurious NVNT n20 2437MHz Ant2 Emission



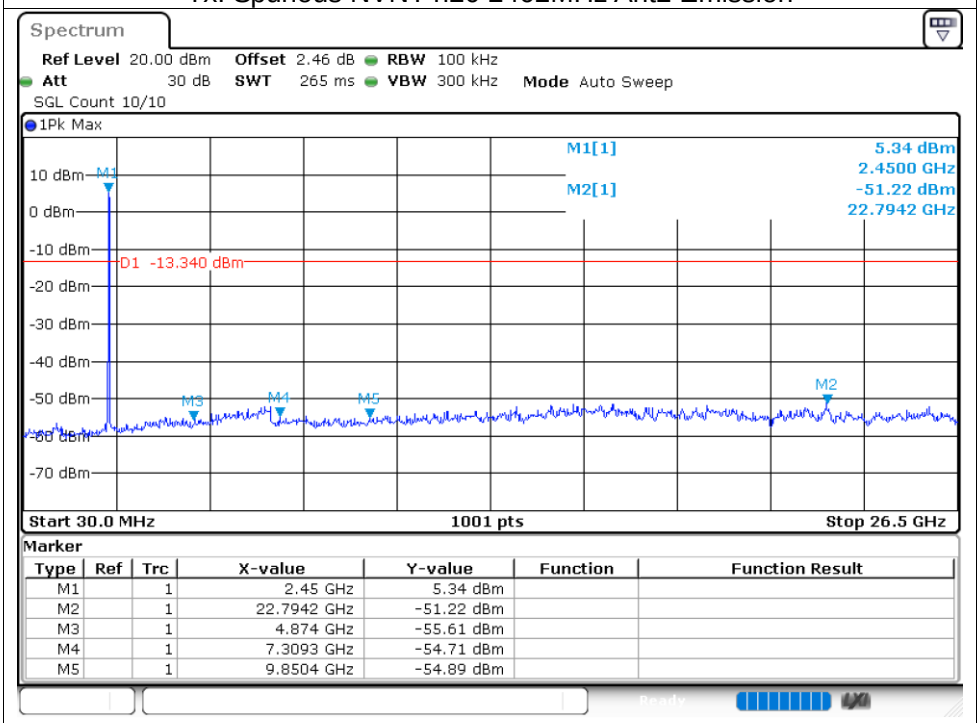
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	5.35 dBm		
M2		1	16.6796 GHz	-50.80 dBm		
M3		1	4.9005 GHz	-55.23 dBm		
M4		1	7.3357 GHz	-54.87 dBm		
M5		1	9.6121 GHz	-55.22 dBm		

Tx. Spurious NVNT n20 2462MHz Ant2 Ref



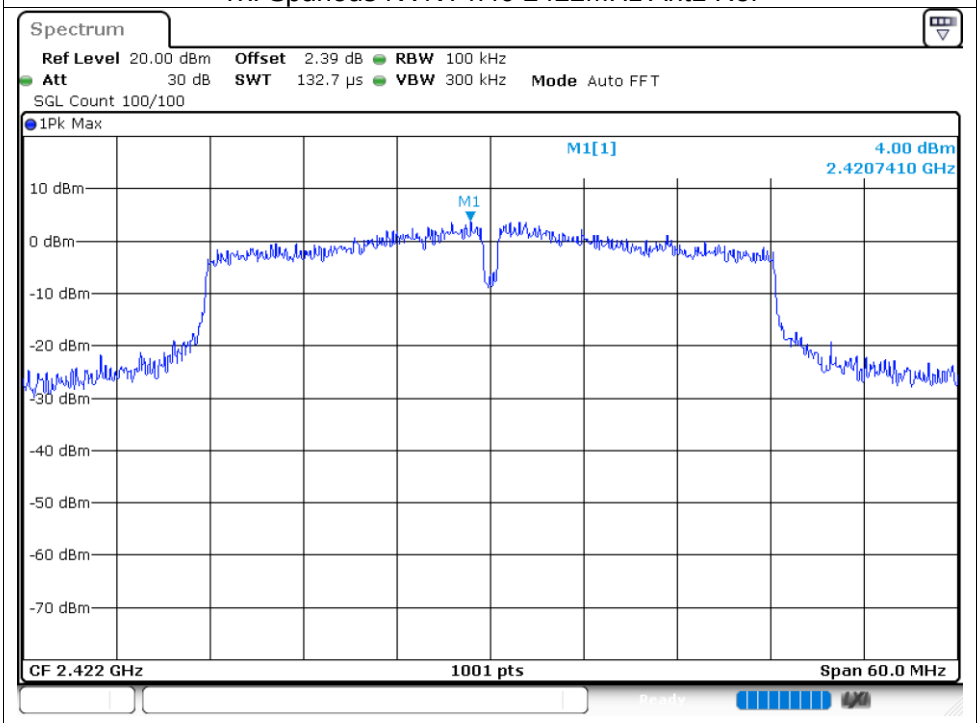
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



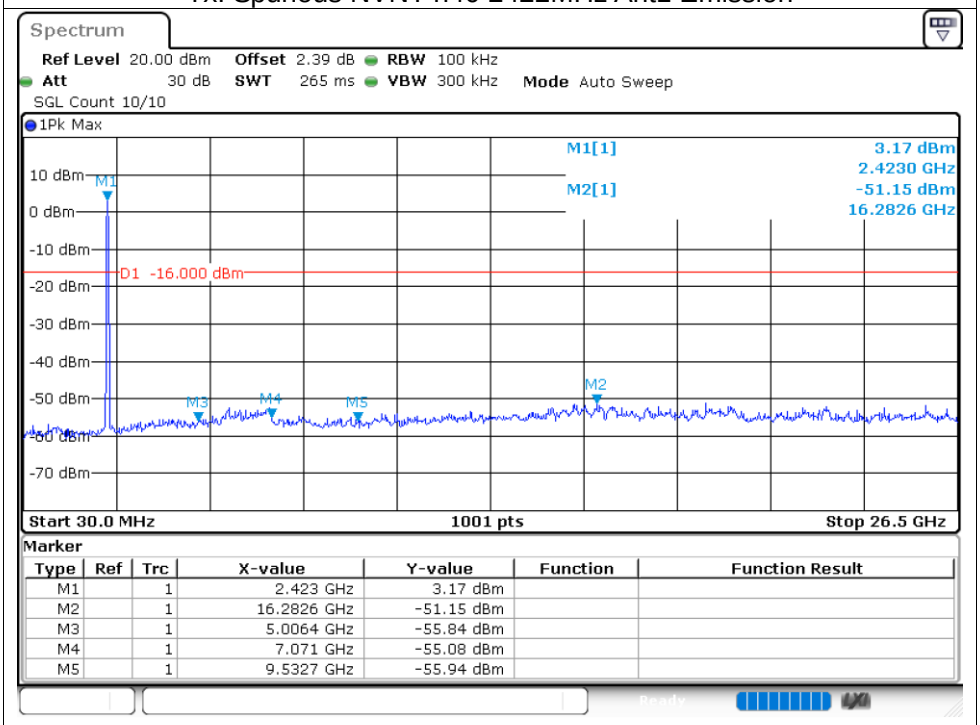
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	5.34 dBm		
M2		1	22.7942 GHz	-51.22 dBm		
M3		1	4.874 GHz	-55.61 dBm		
M4		1	7.3093 GHz	-54.71 dBm		
M5		1	9.8504 GHz	-54.89 dBm		

Tx. Spurious NVNT n40 2422MHz Ant1 Ref



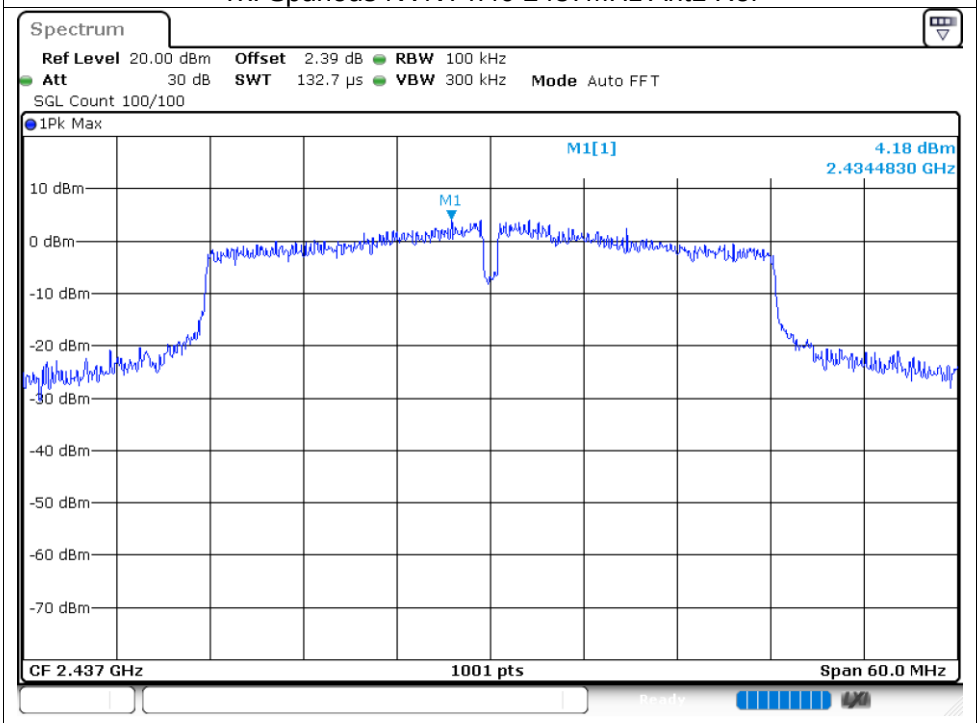
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



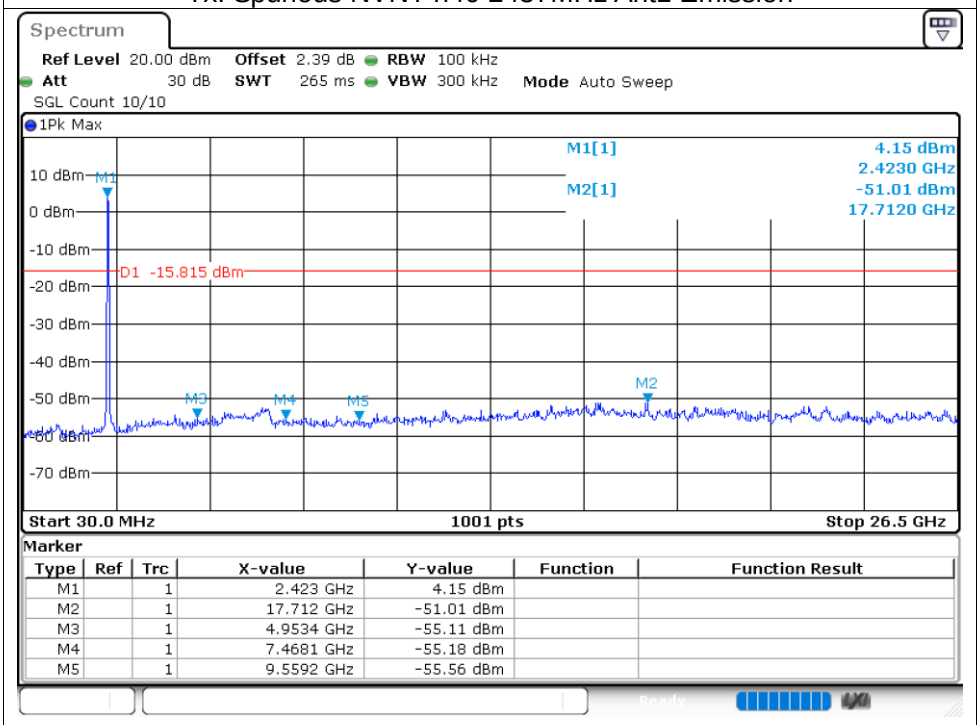
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	3.17 dBm		
M2		1	16.2826 GHz	-51.15 dBm		
M3		1	5.0064 GHz	-55.84 dBm		
M4		1	7.071 GHz	-55.08 dBm		
M5		1	9.5327 GHz	-55.94 dBm		

Tx. Spurious NVNT n40 2437MHz Ant1 Ref



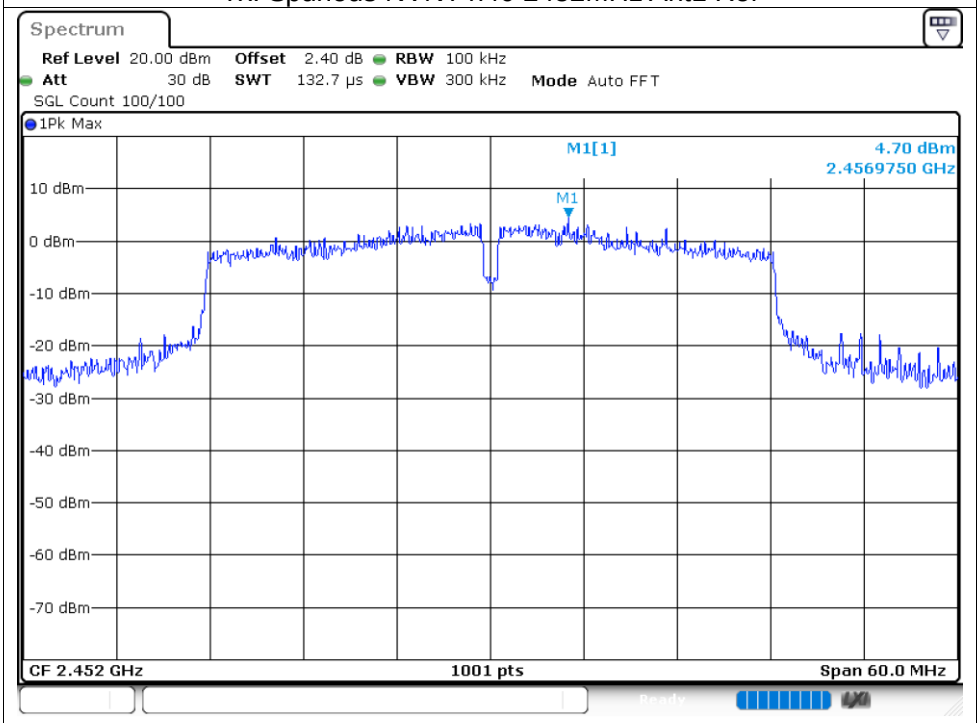
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



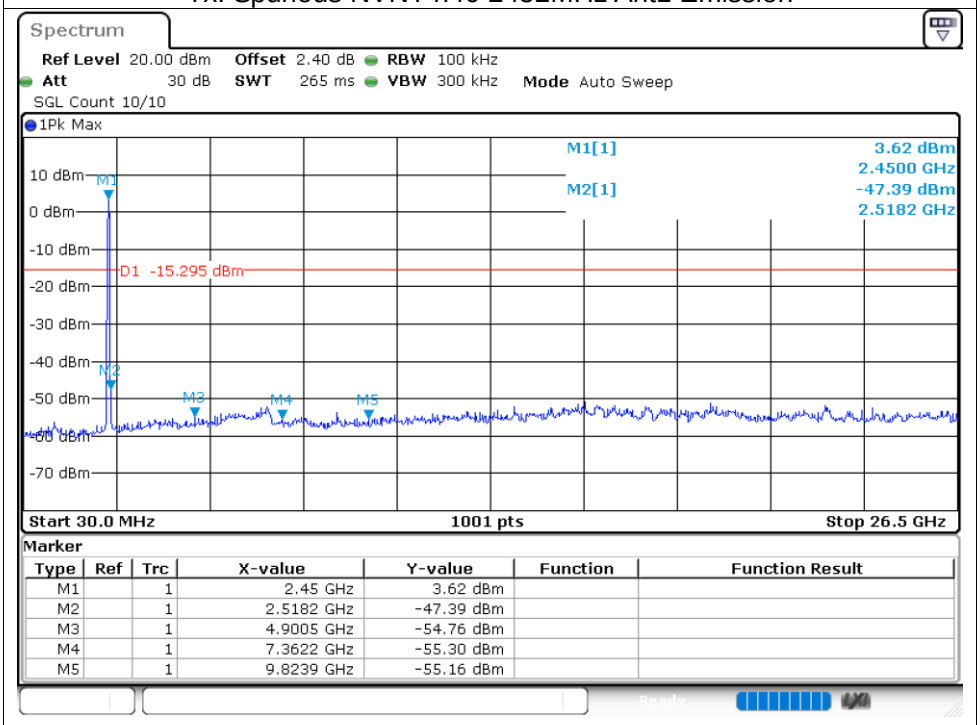
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	4.15 dBm		
M2		1	17.712 GHz	-51.01 dBm		
M3		1	4.9534 GHz	-55.11 dBm		
M4		1	7.4681 GHz	-55.18 dBm		
M5		1	9.5592 GHz	-55.56 dBm		

Tx. Spurious NVNT n40 2452MHz Ant1 Ref



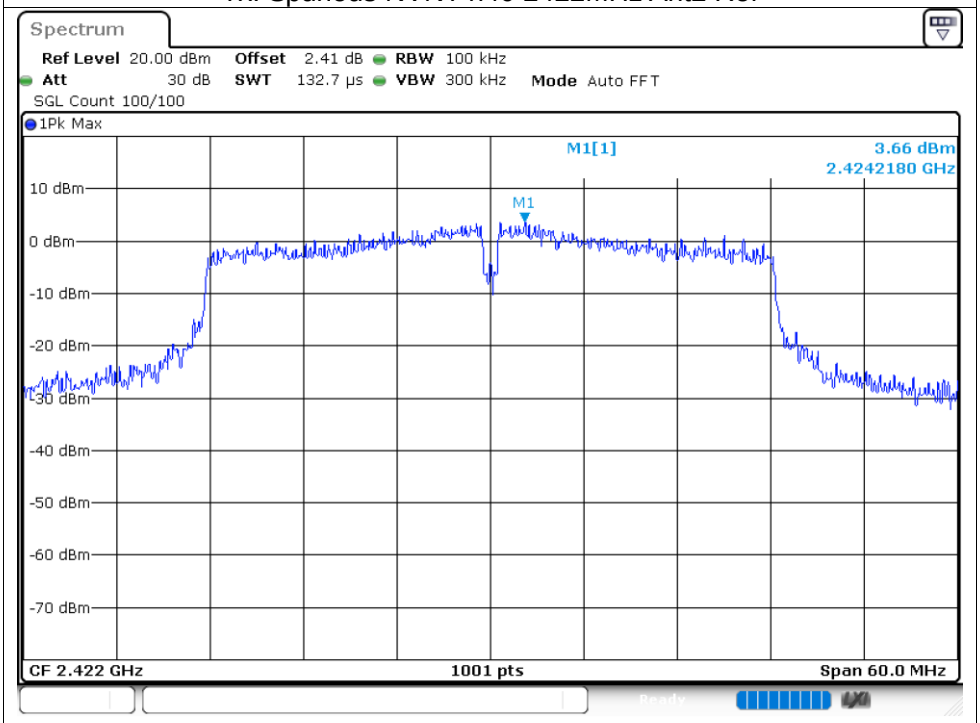
Tx. Spurious NVNT n40 2452MHz Ant1 Emission



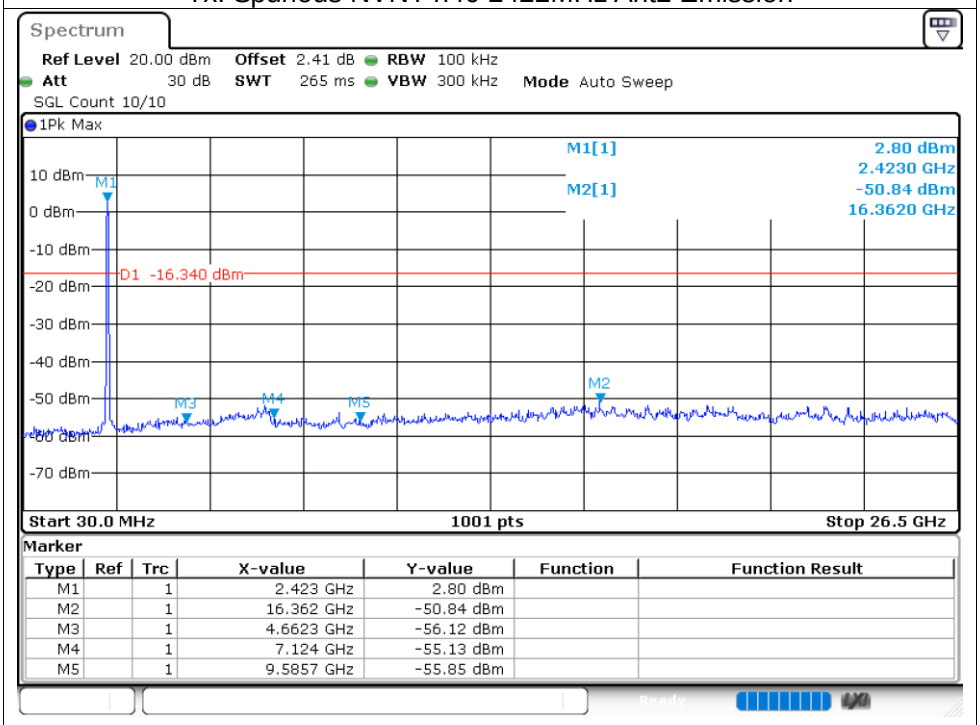
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	3.62 dBm		
M2		1	2.5182 GHz	-47.39 dBm		
M3		1	4.9005 GHz	-54.76 dBm		
M4		1	7.3622 GHz	-55.30 dBm		
M5		1	9.8239 GHz	-55.16 dBm		

Tx. Spurious NVNT n40 2422MHz Ant2 Ref



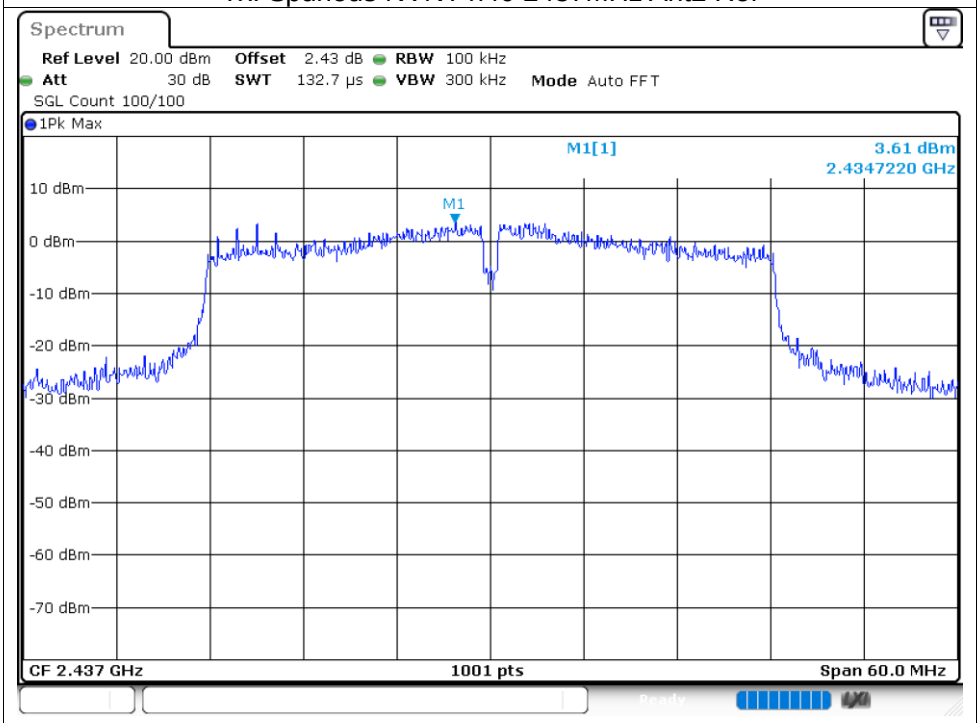
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



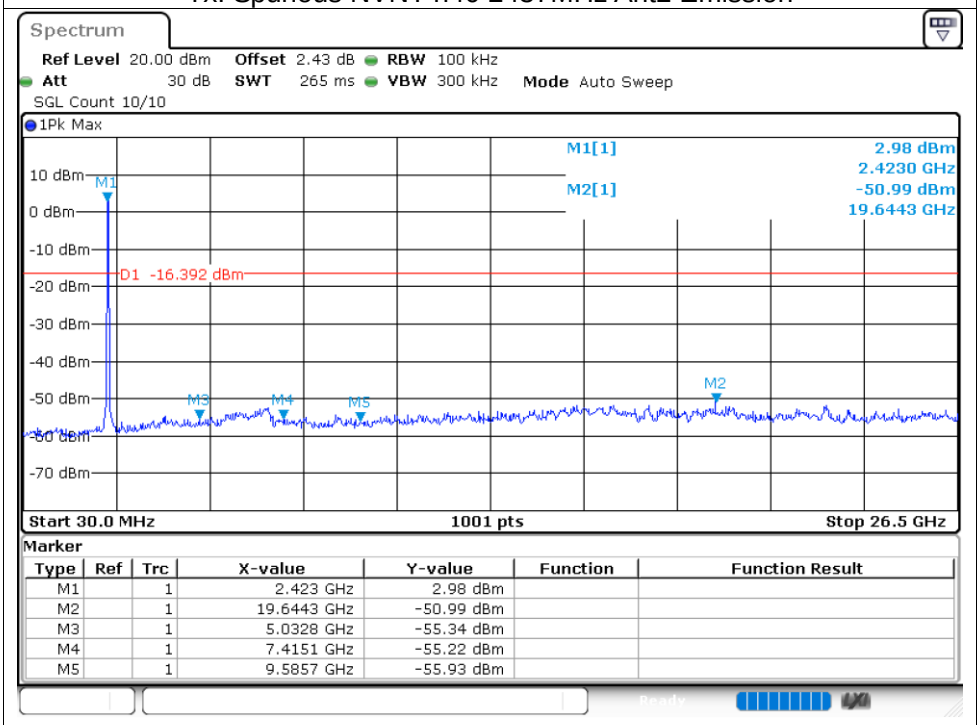
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	2.80 dBm		
M2		1	16.362 GHz	-50.84 dBm		
M3		1	4.6623 GHz	-56.12 dBm		
M4		1	7.124 GHz	-55.13 dBm		
M5		1	9.5857 GHz	-55.85 dBm		

Tx. Spurious NVNT n40 2437MHz Ant2 Ref



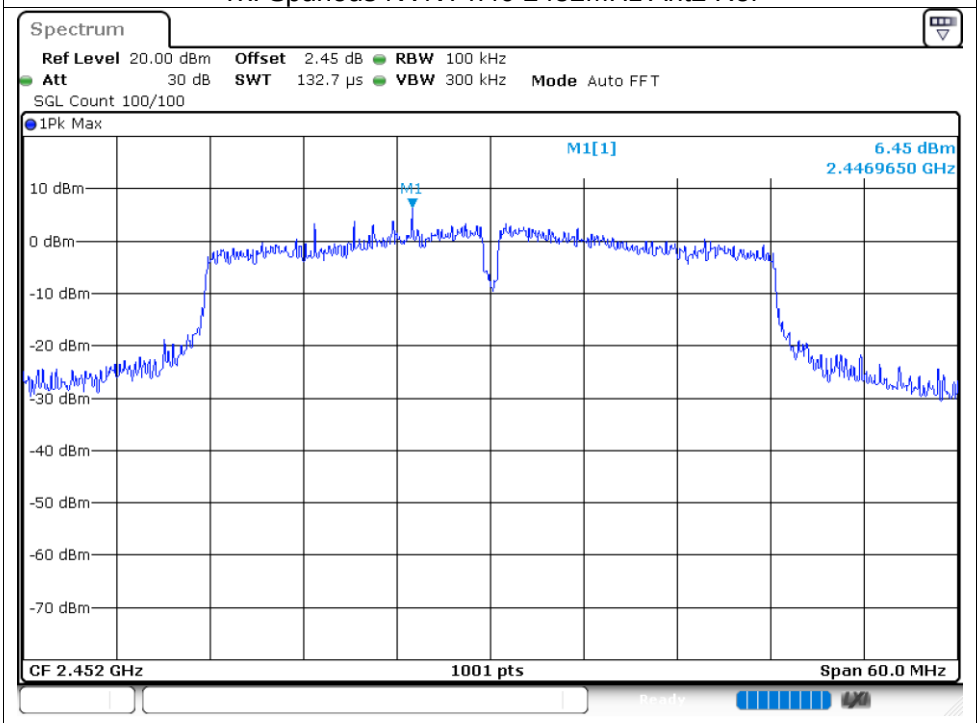
Tx. Spurious NVNT n40 2437MHz Ant2 Emission



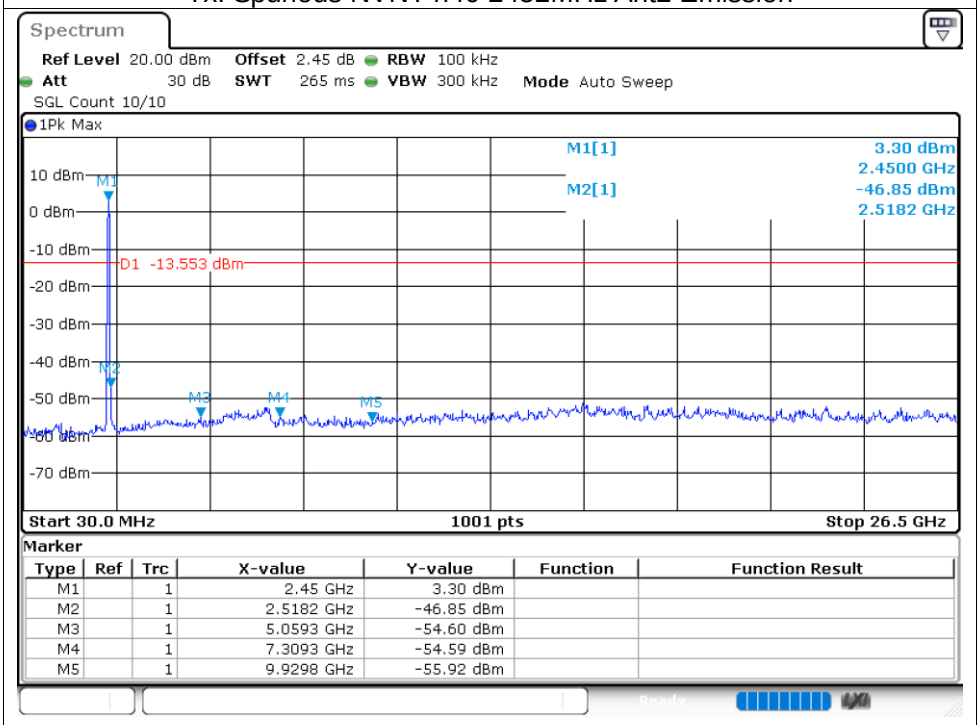
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	2.98 dBm		
M2		1	19.6443 GHz	-50.99 dBm		
M3		1	5.0328 GHz	-55.34 dBm		
M4		1	7.4151 GHz	-55.22 dBm		
M5		1	9.5857 GHz	-55.93 dBm		

Tx. Spurious NVNT n40 2452MHz Ant2 Ref



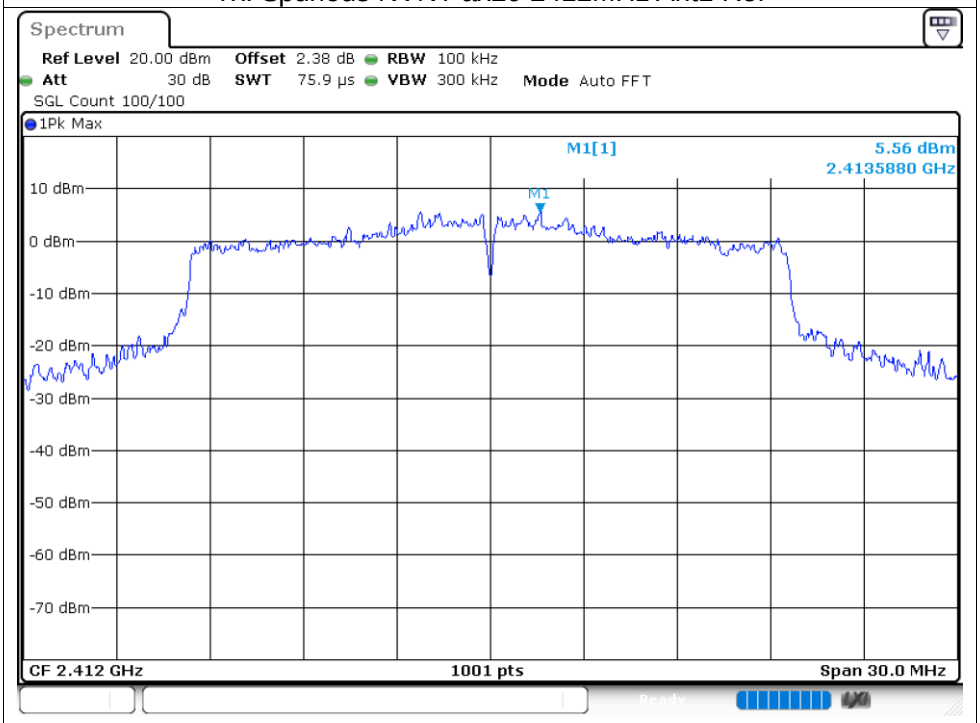
Tx. Spurious NVNT n40 2452MHz Ant2 Emission



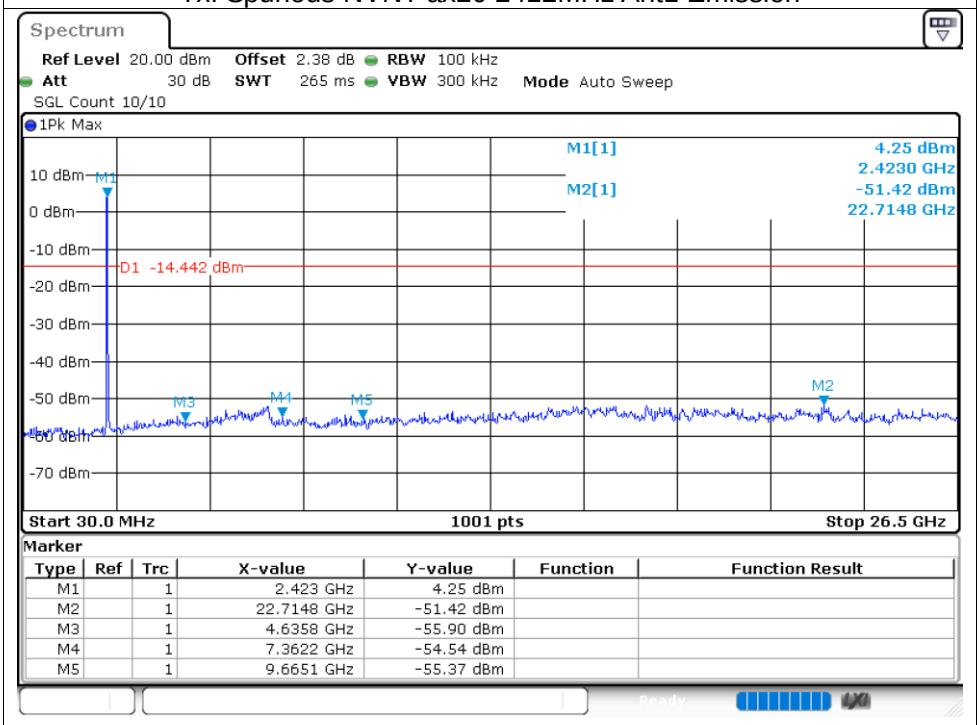
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	3.30 dBm		
M2		1	2.5182 GHz	-46.85 dBm		
M3		1	5.0593 GHz	-54.60 dBm		
M4		1	7.3093 GHz	-54.59 dBm		
M5		1	9.9298 GHz	-55.92 dBm		

Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



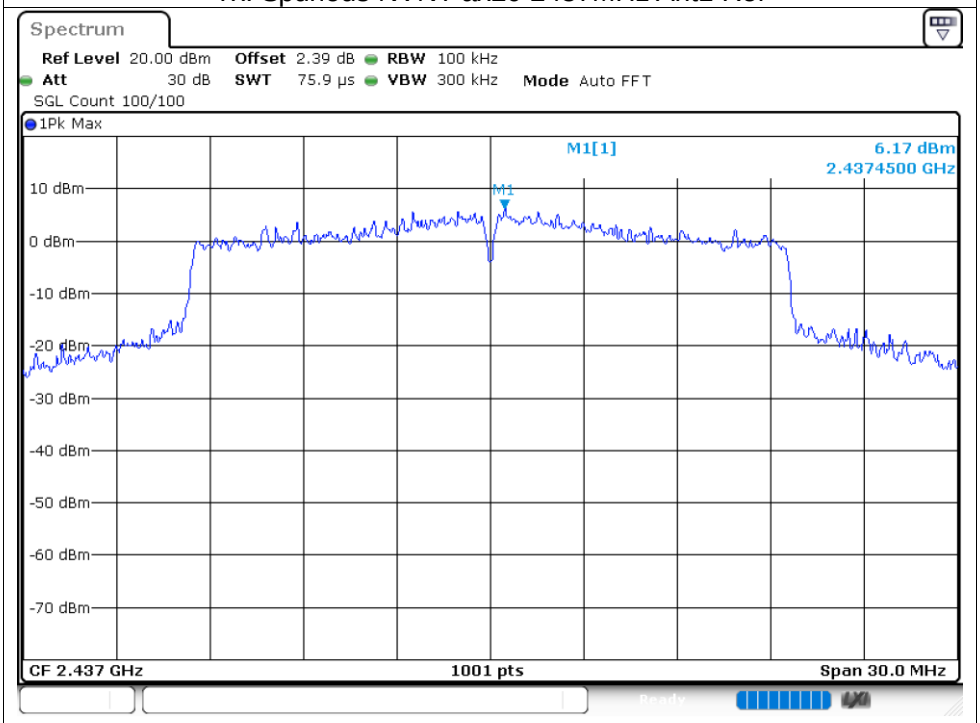
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



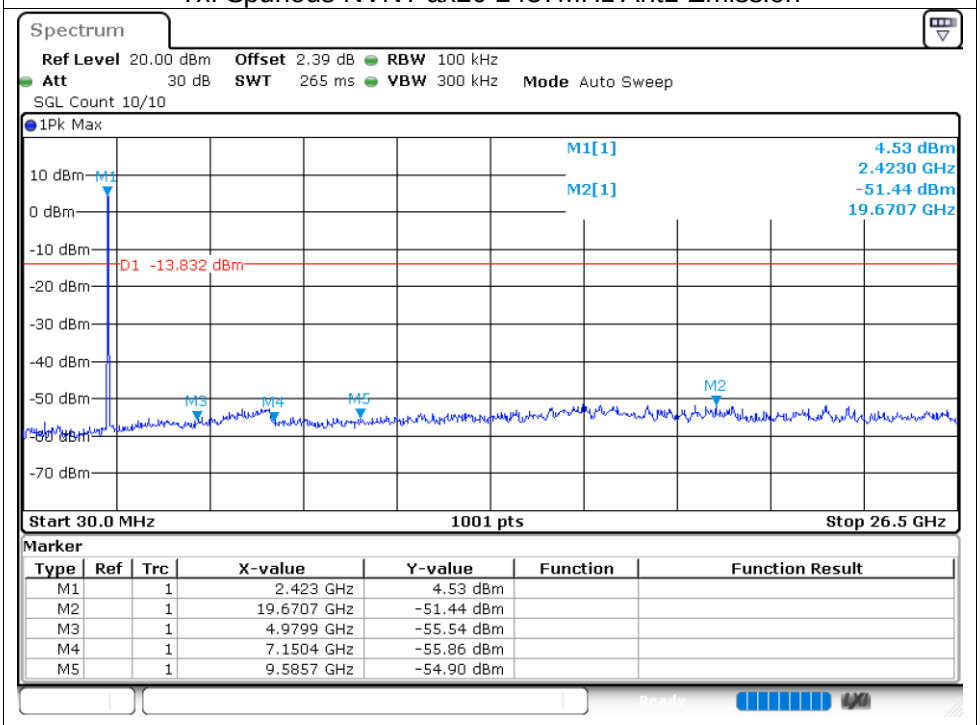
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	4.25 dBm		
M2		1	22.7148 GHz	-51.42 dBm		
M3		1	4.6358 GHz	-55.90 dBm		
M4		1	7.3622 GHz	-54.54 dBm		
M5		1	9.6651 GHz	-55.37 dBm		

Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



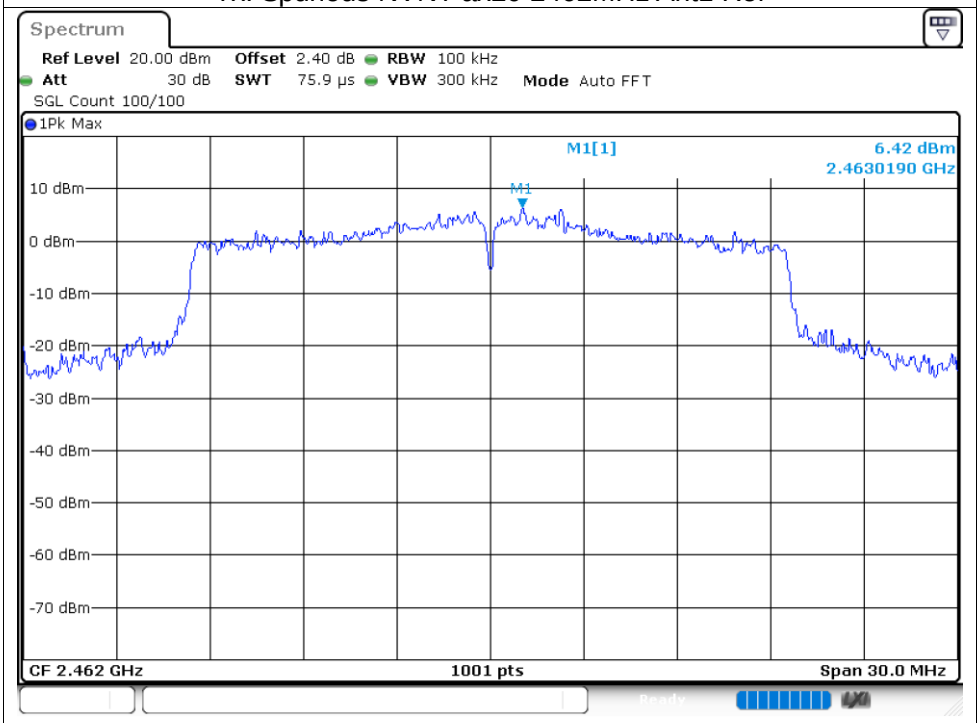
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



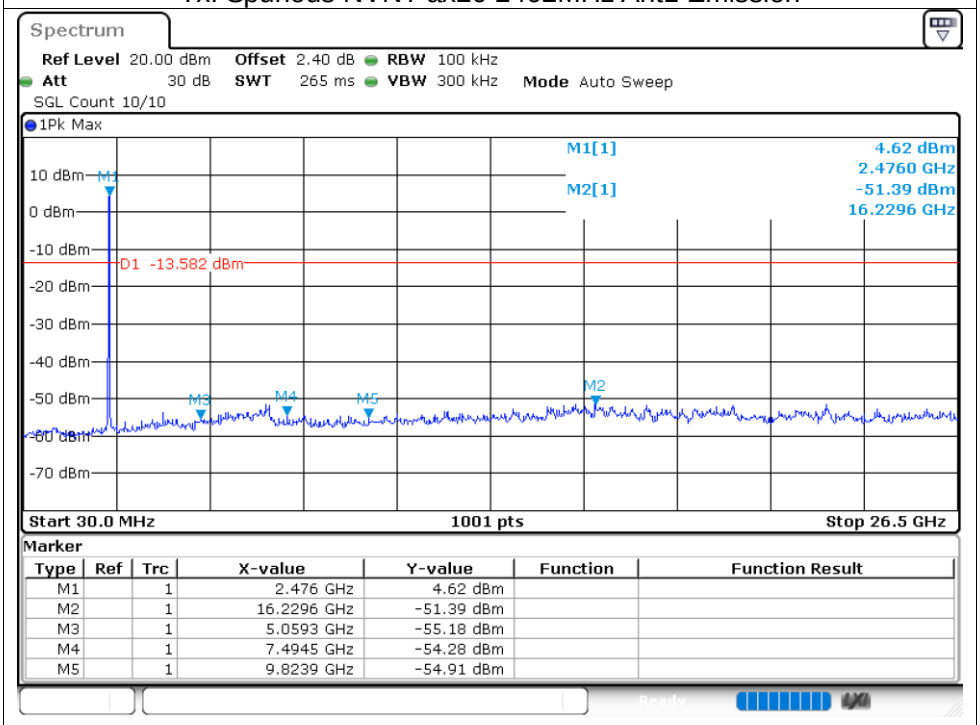
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	4.53 dBm		
M2		1	19.6707 GHz	-51.44 dBm		
M3		1	4.9799 GHz	-55.54 dBm		
M4		1	7.1504 GHz	-55.86 dBm		
M5		1	9.5857 GHz	-54.90 dBm		

Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



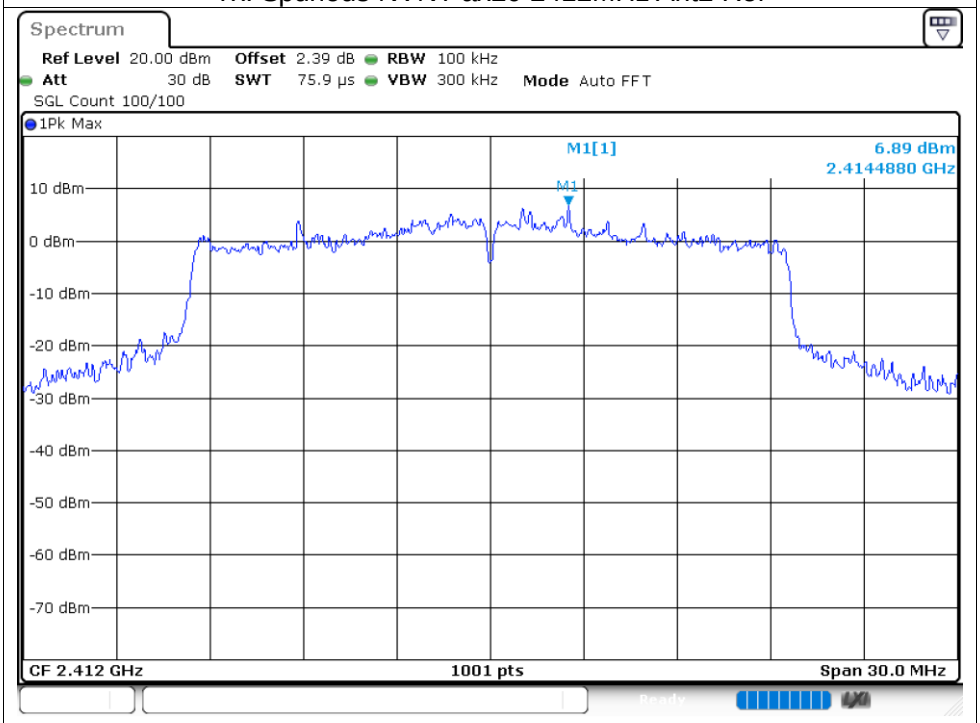
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



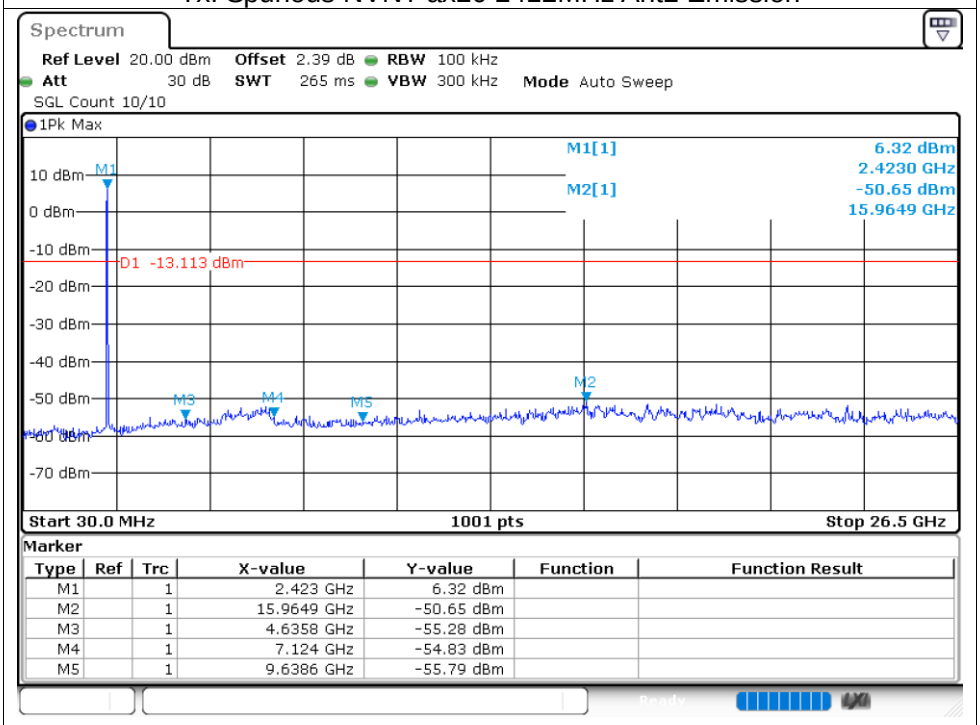
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	4.62 dBm		
M2		1	16.2296 GHz	-51.39 dBm		
M3		1	5.0593 GHz	-55.18 dBm		
M4		1	7.4945 GHz	-54.28 dBm		
M5		1	9.8239 GHz	-54.91 dBm		

Tx. Spurious NVNT ax20 2412MHz Ant2 Ref



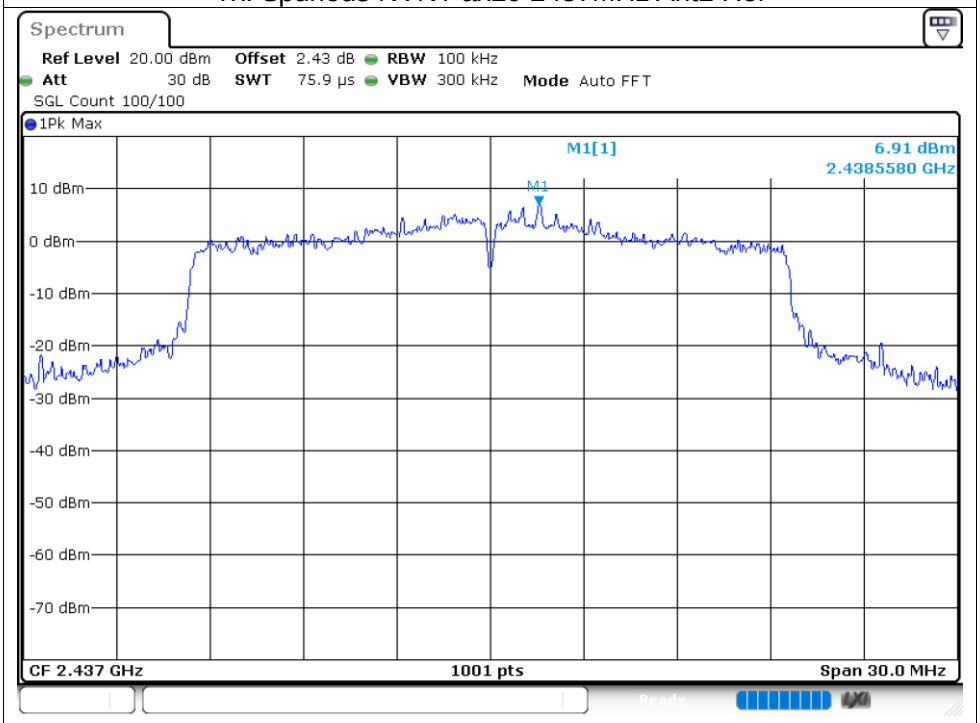
Tx. Spurious NVNT ax20 2412MHz Ant2 Emission



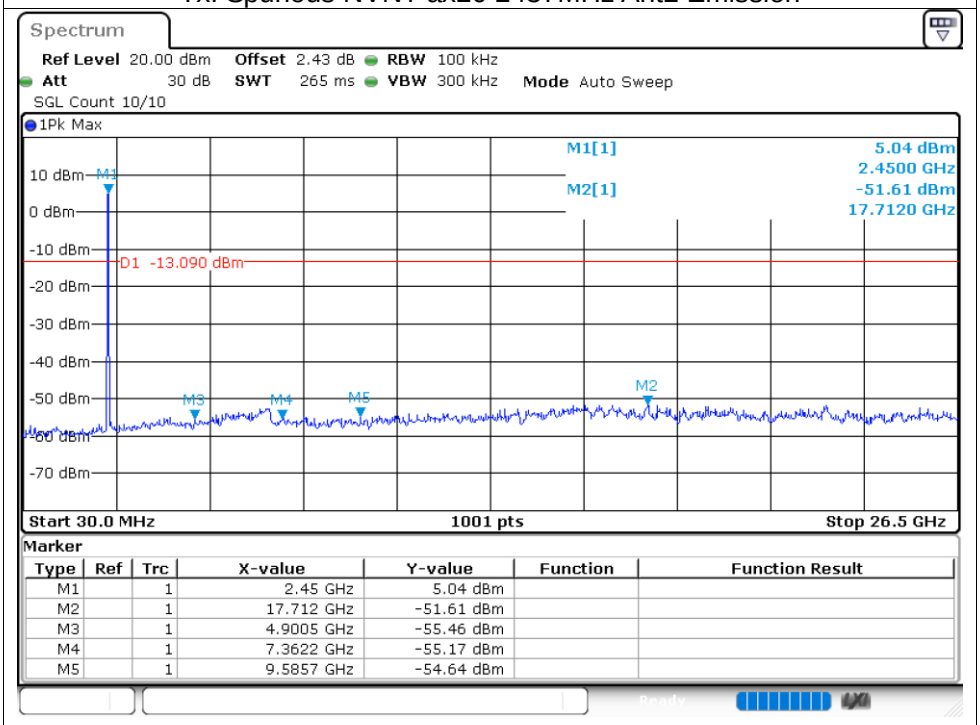
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	6.32 dBm		
M2		1	15.9649 GHz	-50.65 dBm		
M3		1	4.6358 GHz	-55.28 dBm		
M4		1	7.124 GHz	-54.83 dBm		
M5		1	9.6386 GHz	-55.79 dBm		

Tx. Spurious NVNT ax20 2437MHz Ant2 Ref



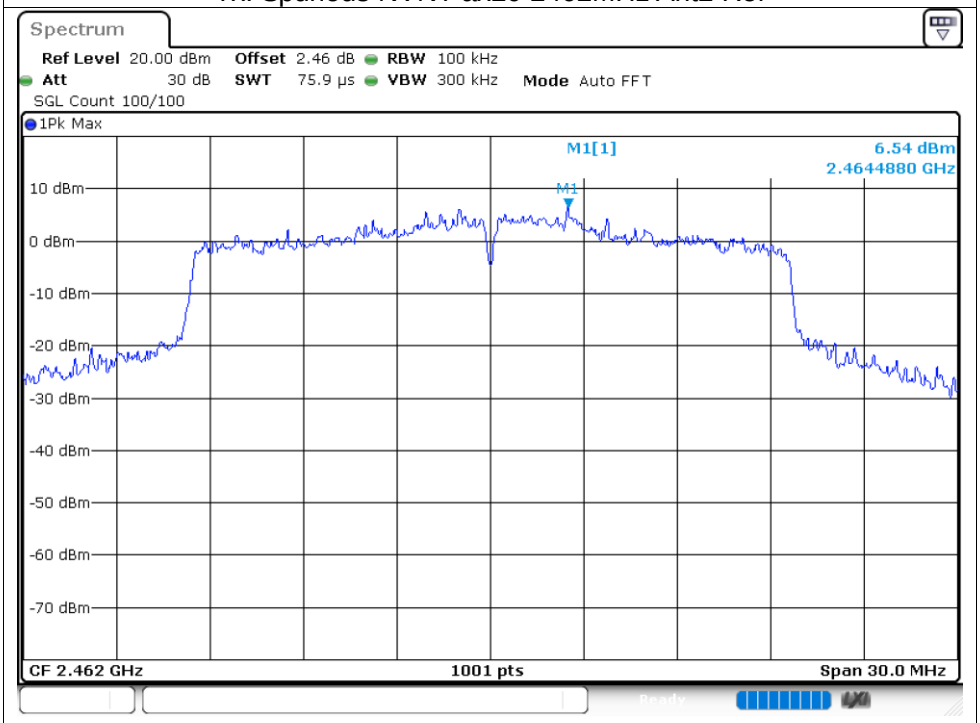
Tx. Spurious NVNT ax20 2437MHz Ant2 Emission



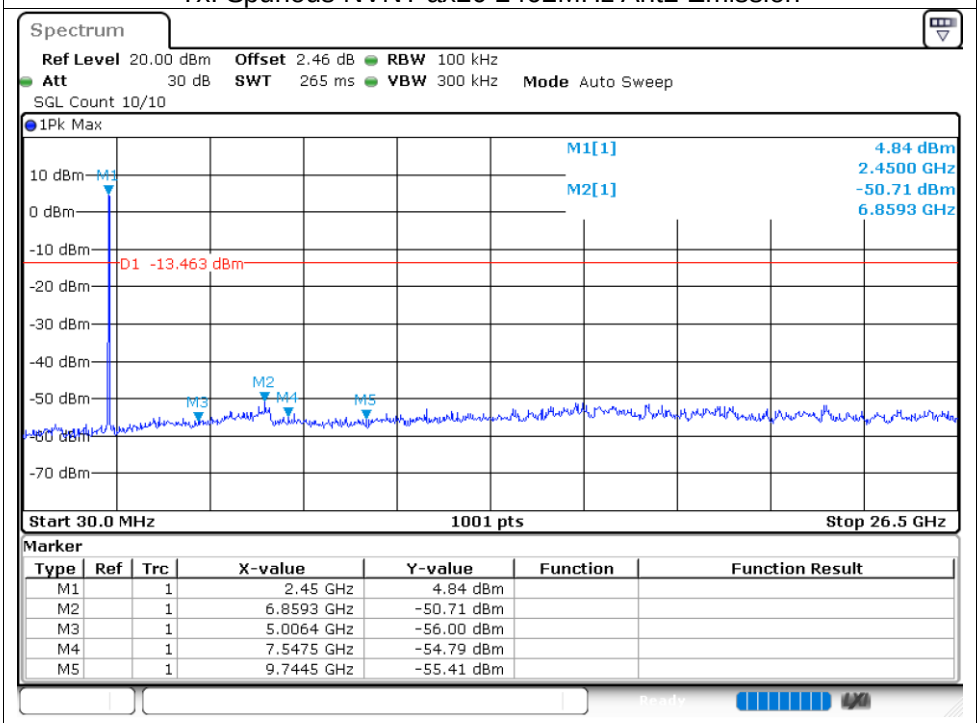
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	5.04 dBm		
M2		1	17.712 GHz	-51.61 dBm		
M3		1	4.9005 GHz	-55.46 dBm		
M4		1	7.3622 GHz	-55.17 dBm		
M5		1	9.5857 GHz	-54.64 dBm		

Tx. Spurious NVNT ax20 2462MHz Ant2 Ref



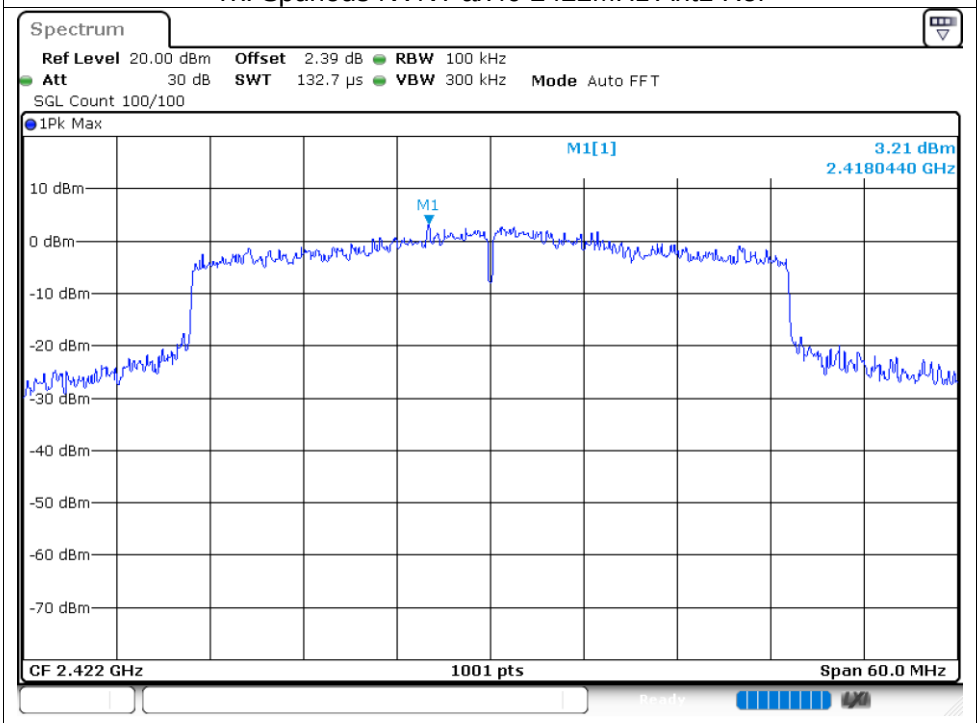
Tx. Spurious NVNT ax20 2462MHz Ant2 Emission



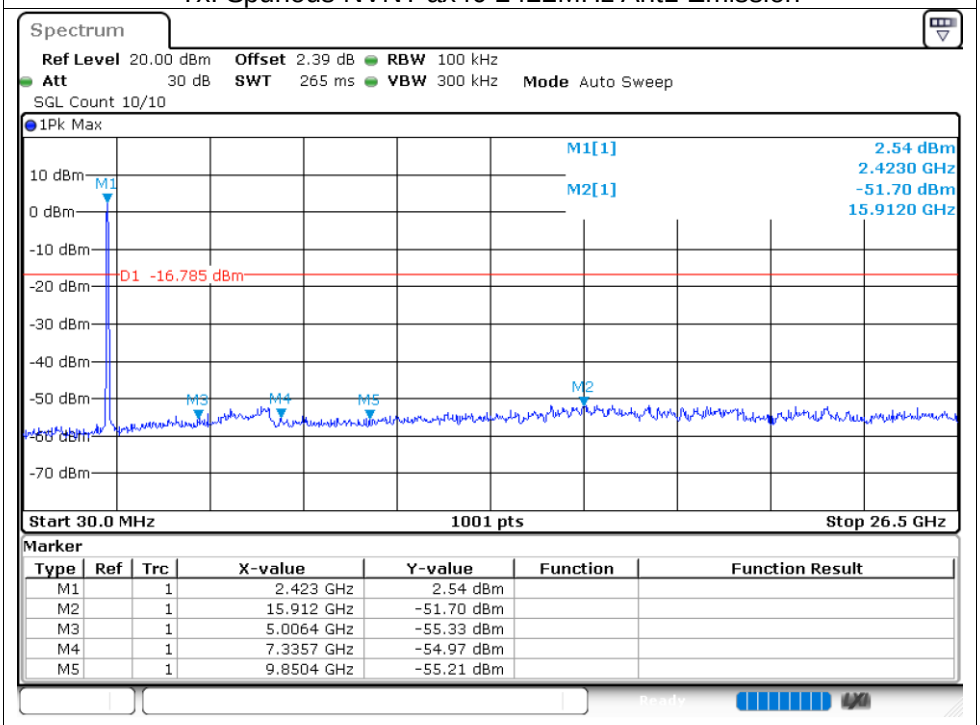
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	4.84 dBm		
M2		1	6.8593 GHz	-50.71 dBm		
M3		1	5.0064 GHz	-56.00 dBm		
M4		1	7.5475 GHz	-54.79 dBm		
M5		1	9.7445 GHz	-55.41 dBm		

Tx. Spurious NVNT ax40 2422MHz Ant1 Ref



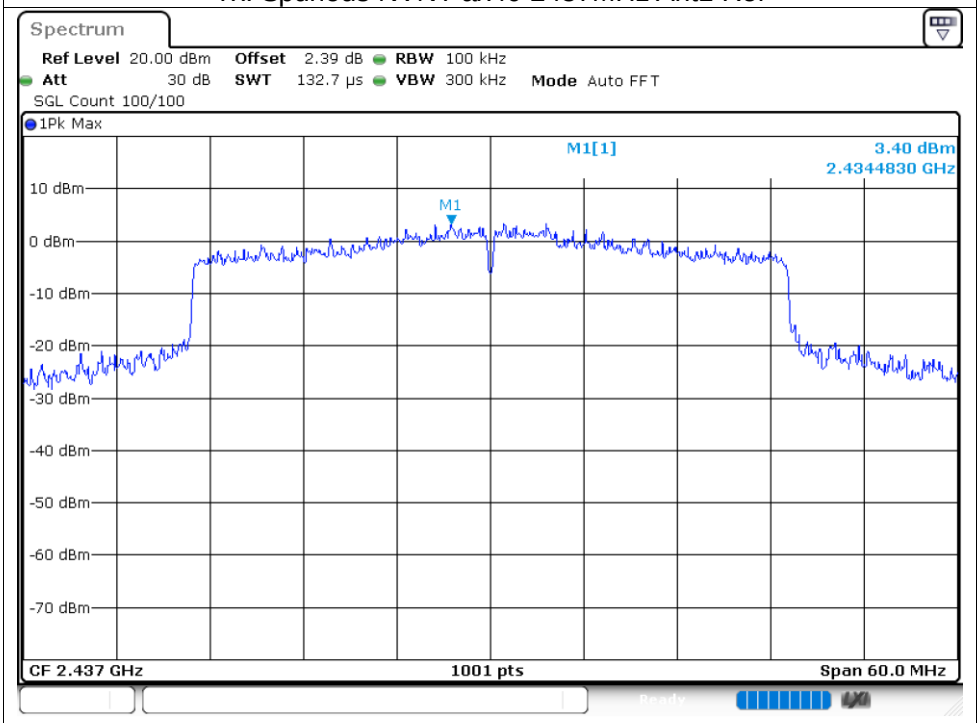
Tx. Spurious NVNT ax40 2422MHz Ant1 Emission



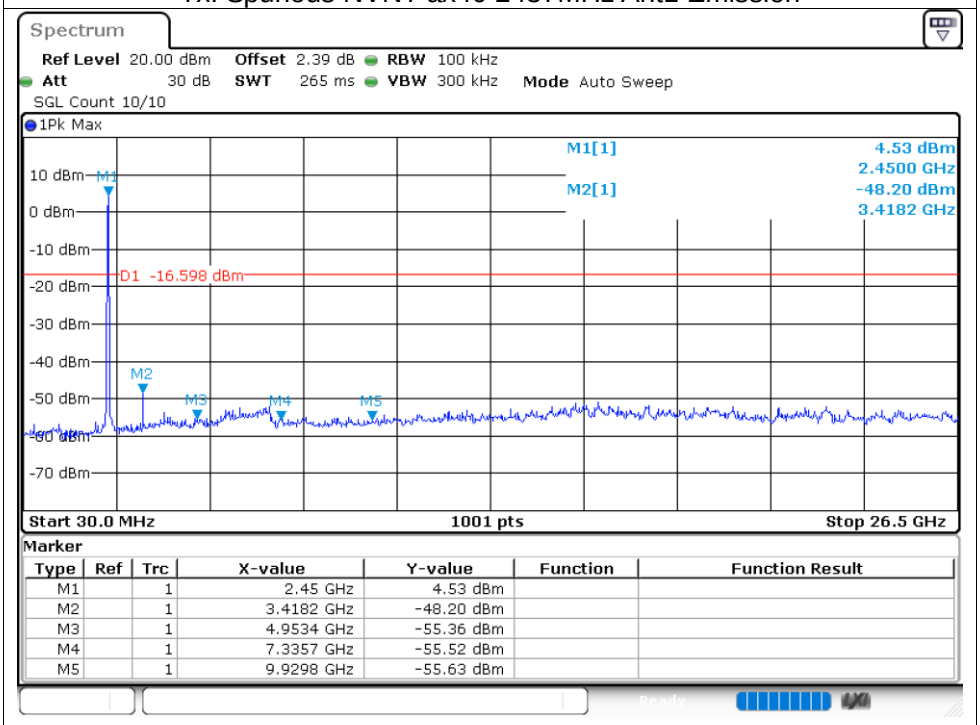
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	2.54 dBm		
M2		1	15.912 GHz	-51.70 dBm		
M3		1	5.0064 GHz	-55.33 dBm		
M4		1	7.3357 GHz	-54.97 dBm		
M5		1	9.8504 GHz	-55.21 dBm		

Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



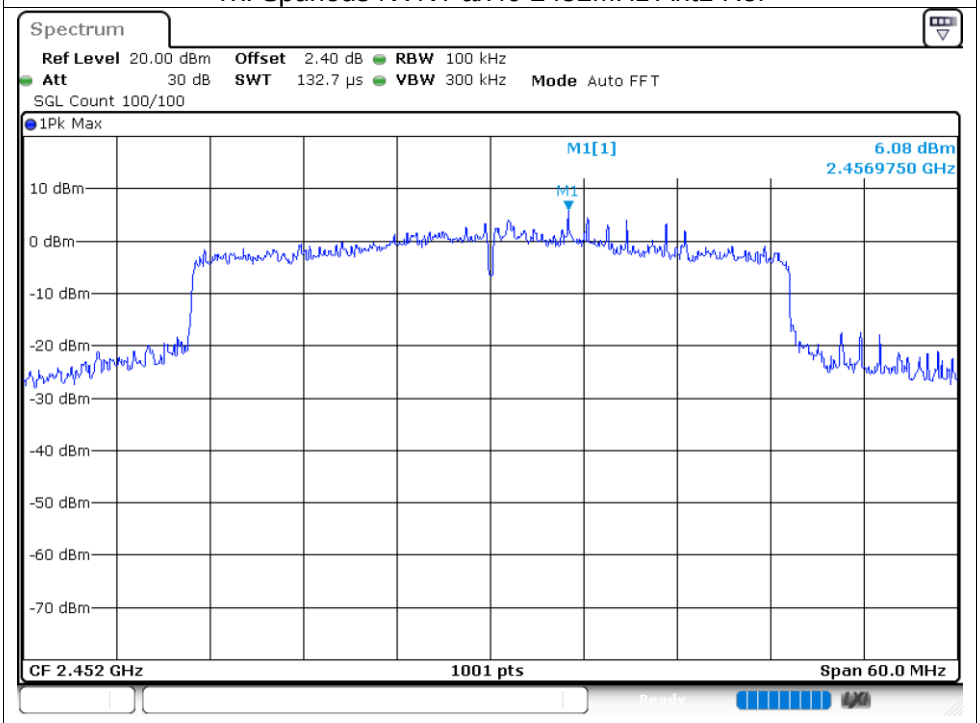
Tx. Spurious NVNT ax40 2437MHz Ant1 Emission



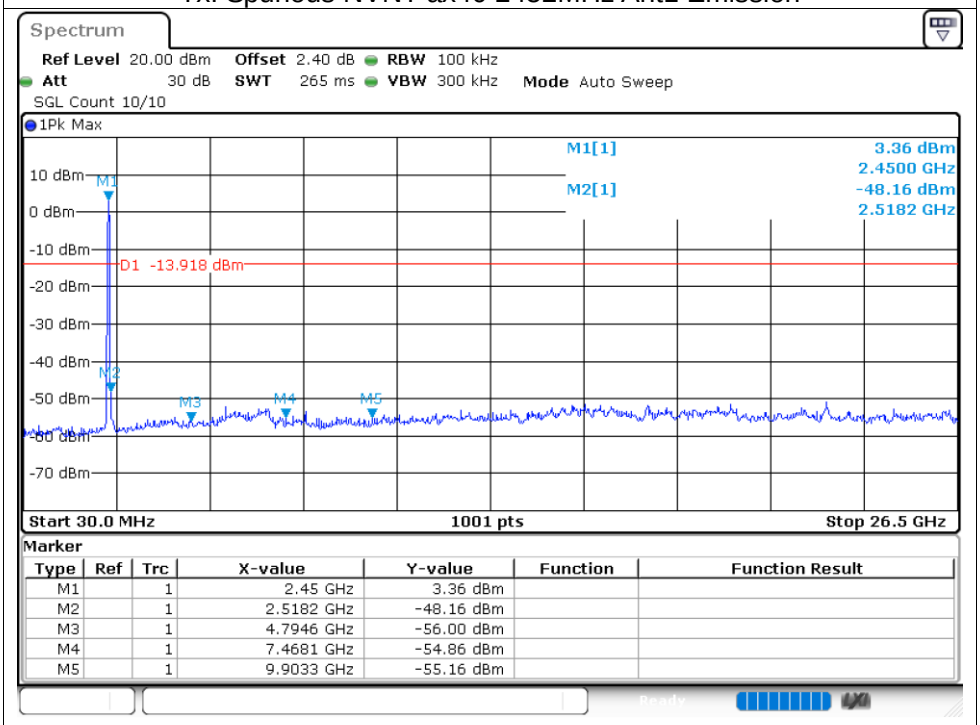
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	4.53 dBm		
M2		1	3.4182 GHz	-48.20 dBm		
M3		1	4.9534 GHz	-55.36 dBm		
M4		1	7.3357 GHz	-55.52 dBm		
M5		1	9.9298 GHz	-55.63 dBm		

Tx. Spurious NVNT ax40 2452MHz Ant1 Ref



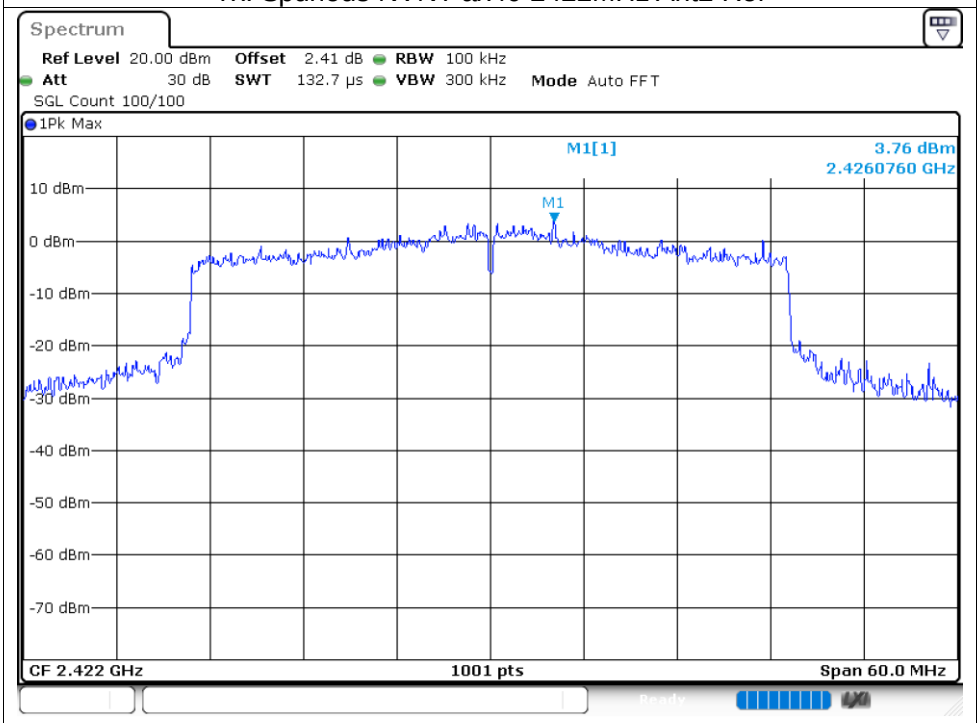
Tx. Spurious NVNT ax40 2452MHz Ant1 Emission



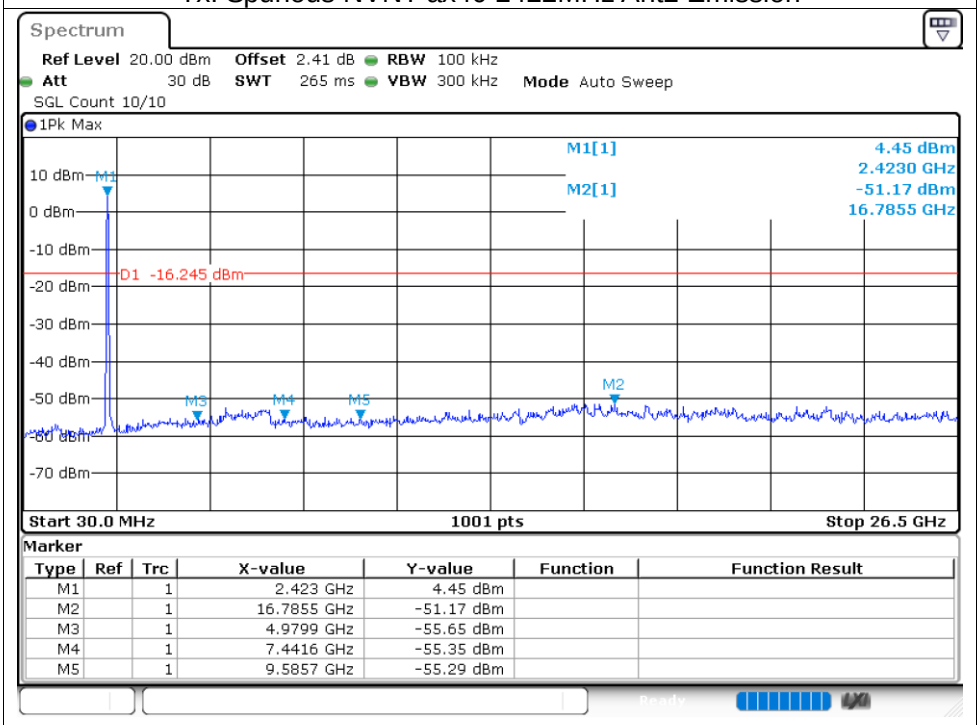
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	3.36 dBm		
M2		1	2.5182 GHz	-48.16 dBm		
M3		1	4.7946 GHz	-56.00 dBm		
M4		1	7.4681 GHz	-54.86 dBm		
M5		1	9.9033 GHz	-55.16 dBm		

Tx. Spurious NVNT ax40 2422MHz Ant2 Ref



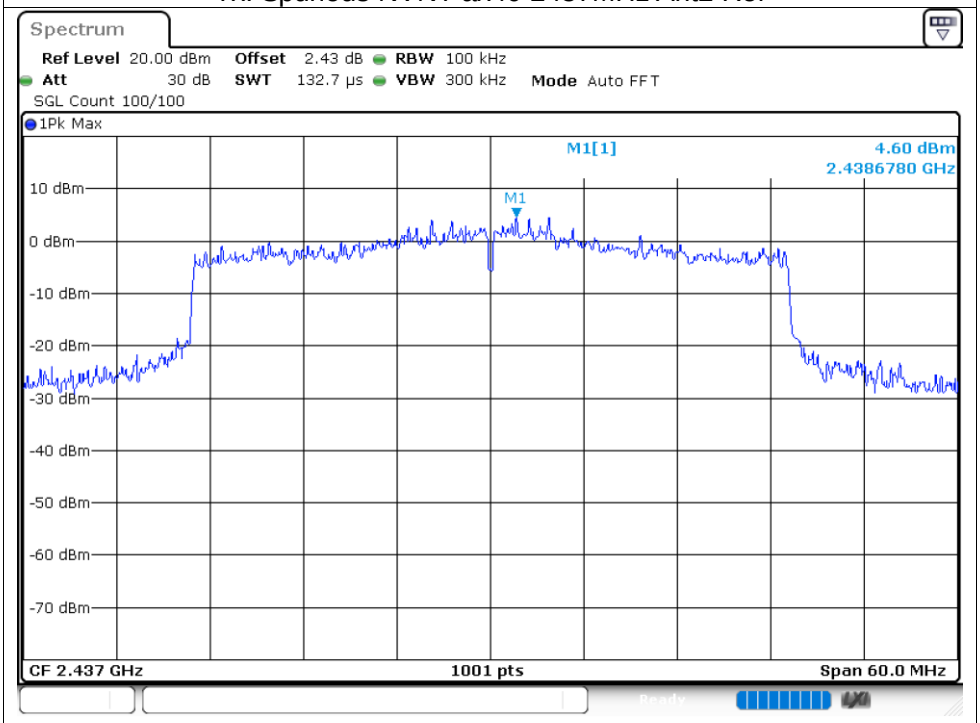
Tx. Spurious NVNT ax40 2422MHz Ant2 Emission



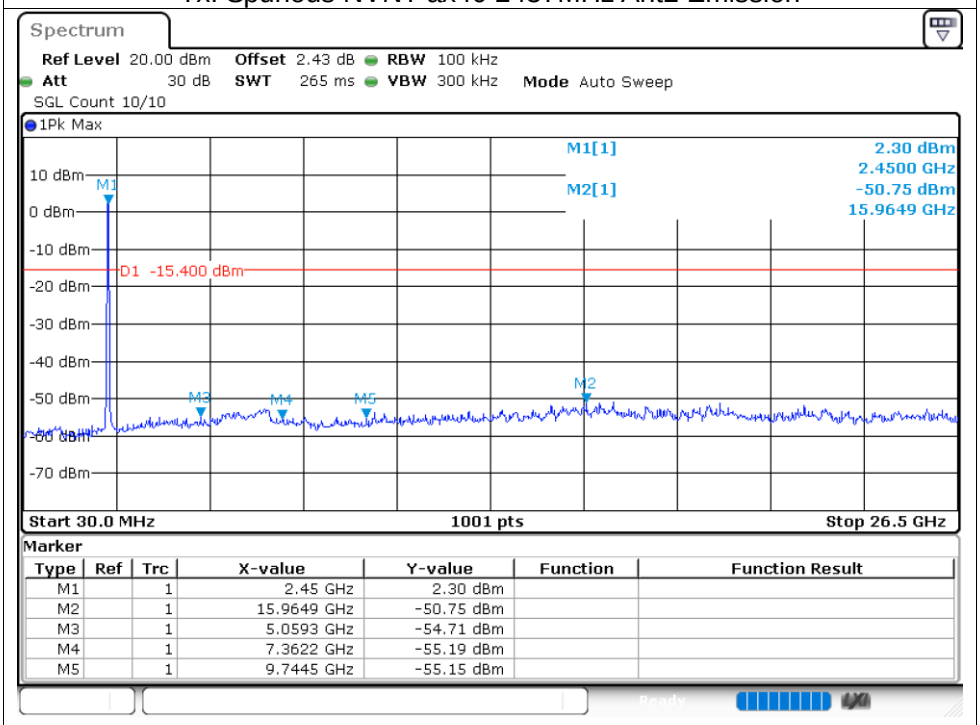
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	4.45 dBm		
M2		1	16.7855 GHz	-51.17 dBm		
M3		1	4.9799 GHz	-55.65 dBm		
M4		1	7.4416 GHz	-55.35 dBm		
M5		1	9.5857 GHz	-55.29 dBm		

Tx. Spurious NVNT ax40 2437MHz Ant2 Ref



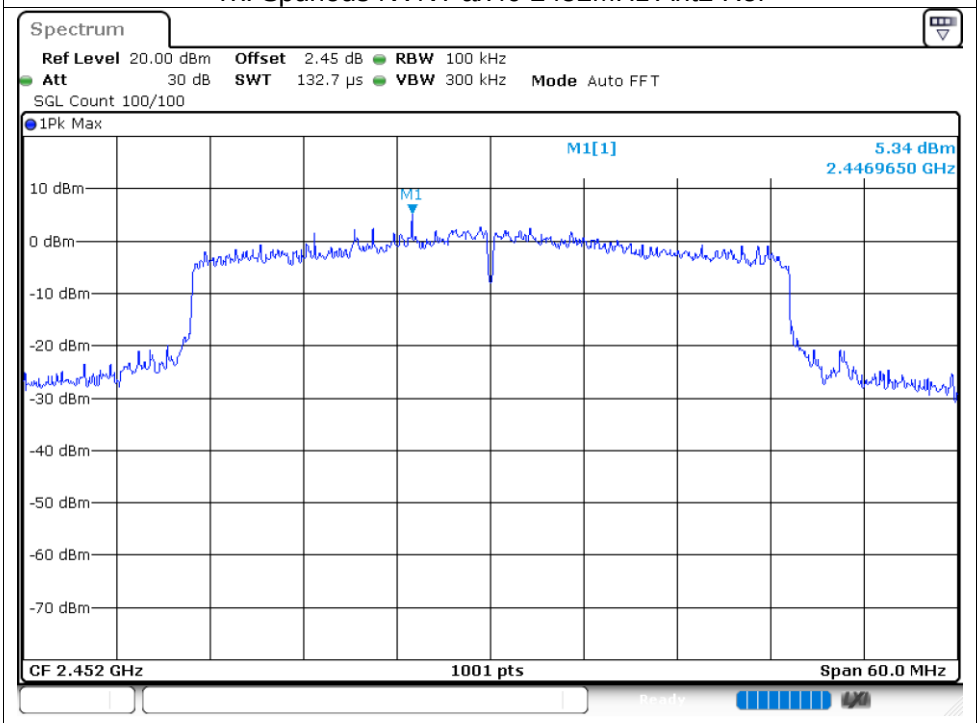
Tx. Spurious NVNT ax40 2437MHz Ant2 Emission



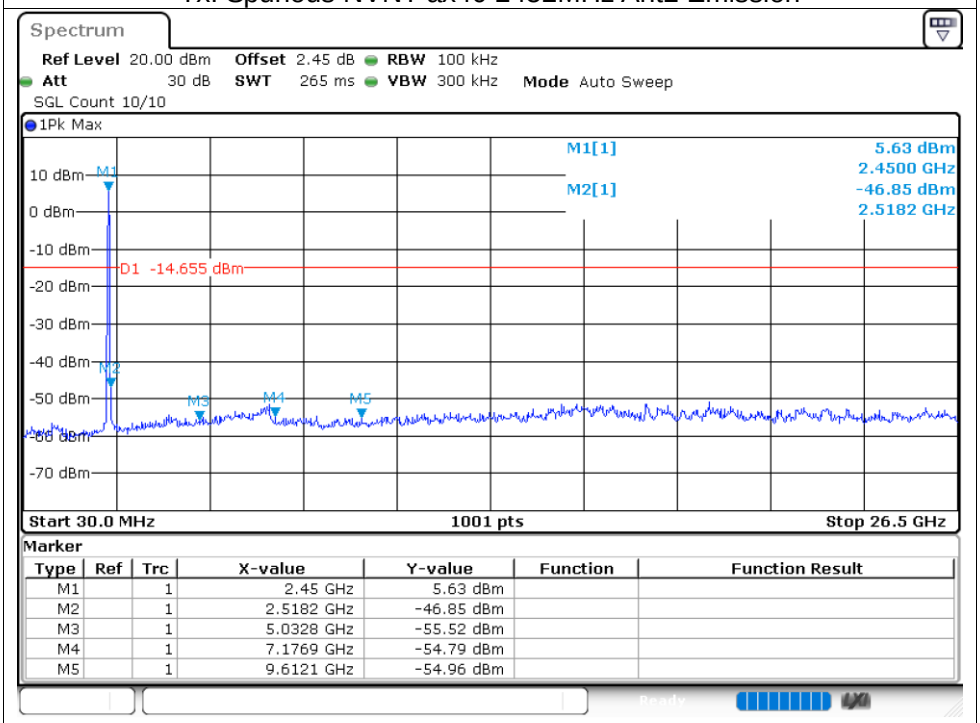
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	2.30 dBm		
M2		1	15.9649 GHz	-50.75 dBm		
M3		1	5.0593 GHz	-54.71 dBm		
M4		1	7.3622 GHz	-55.19 dBm		
M5		1	9.7445 GHz	-55.15 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	5.63 dBm		
M2		1	2.5182 GHz	-46.85 dBm		
M3		1	5.0328 GHz	-55.52 dBm		
M4		1	7.1769 GHz	-54.79 dBm		
M5		1	9.6121 GHz	-54.96 dBm		

8.2 2.4G WIFI MIMO

8.2.1 Maximum Conducted Output Power

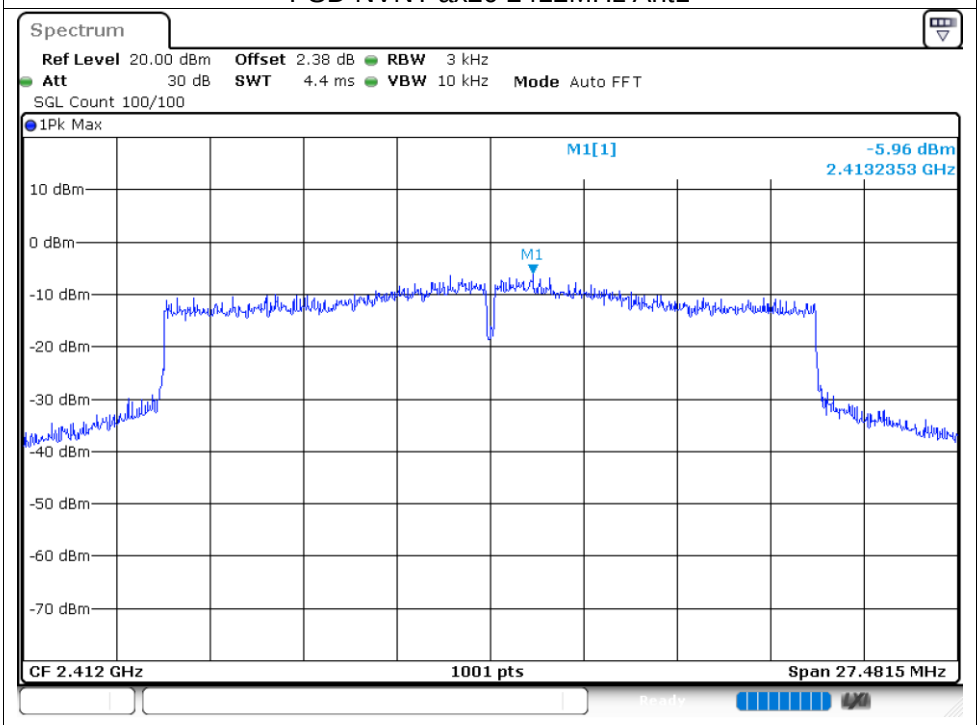
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	19.04	30	Pass
NVNT	ax20	2412	Ant2	18.51	30	Pass
NVNT	ax20	2412	Sum	21.79	30	Pass
NVNT	ax20	2437	Ant1	19.55	30	Pass
NVNT	ax20	2437	Ant2	19.12	30	Pass
NVNT	ax20	2437	Sum	22.35	30	Pass
NVNT	ax20	2462	Ant1	19.37	30	Pass
NVNT	ax20	2462	Ant2	18.72	30	Pass
NVNT	ax20	2462	Sum	22.07	30	Pass
NVNT	ax40	2422	Ant1	19.49	30	Pass
NVNT	ax40	2422	Ant2	19.12	30	Pass
NVNT	ax40	2422	Sum	22.32	30	Pass
NVNT	ax40	2437	Ant1	19.74	30	Pass
NVNT	ax40	2437	Ant2	19.41	30	Pass
NVNT	ax40	2437	Sum	22.59	30	Pass
NVNT	ax40	2452	Ant1	19.6	30	Pass
NVNT	ax40	2452	Ant2	19.18	30	Pass
NVNT	ax40	2452	Sum	22.41	30	Pass
NVNT	n20	2412	Ant1	19.16	30	Pass
NVNT	n20	2412	Ant2	18.69	30	Pass
NVNT	n20	2412	Sum	21.94	30	Pass
NVNT	n20	2437	Ant1	19.69	30	Pass
NVNT	n20	2437	Ant2	19.19	30	Pass
NVNT	n20	2437	Sum	22.46	30	Pass
NVNT	n20	2462	Ant1	19.44	30	Pass
NVNT	n20	2462	Ant2	18.81	30	Pass
NVNT	n20	2462	Sum	22.15	30	Pass
NVNT	n40	2422	Ant1	19.78	30	Pass
NVNT	n40	2422	Ant2	19.35	30	Pass
NVNT	n40	2422	Sum	22.58	30	Pass
NVNT	n40	2437	Ant1	19.93	30	Pass
NVNT	n40	2437	Ant2	19.58	30	Pass
NVNT	n40	2437	Sum	22.77	30	Pass
NVNT	n40	2452	Ant1	19.78	30	Pass
NVNT	n40	2452	Ant2	19.42	30	Pass
NVNT	n40	2452	Sum	22.61	30	Pass

8.2.2 Maximum Power Spectral Density Level

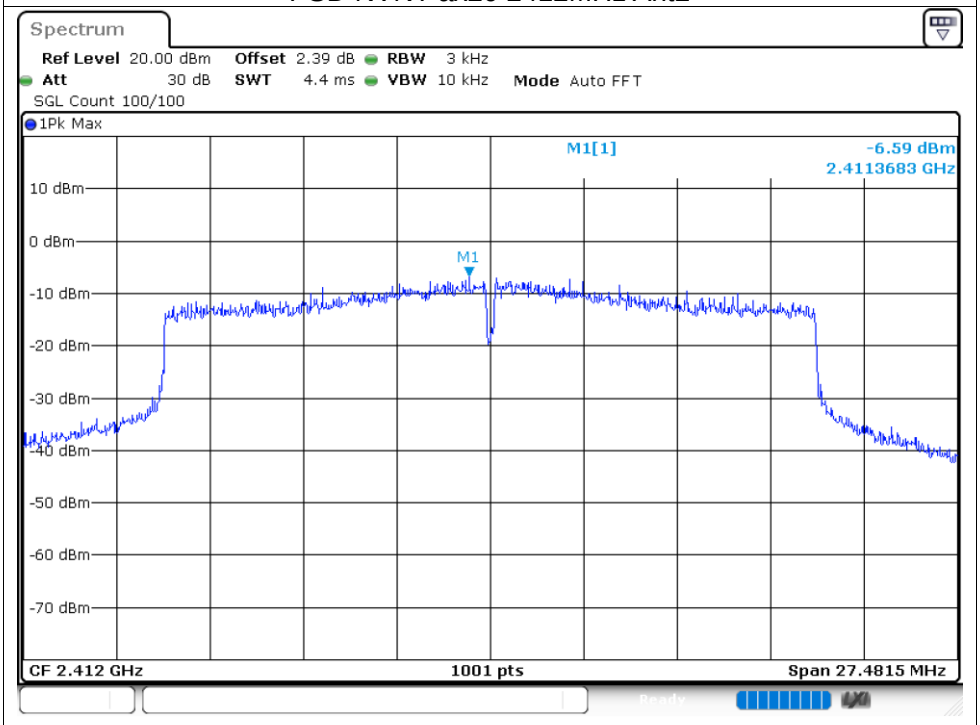
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	-5.96	5.82	Pass
NVNT	ax20	2412	Ant2	-6.59	5.82	Pass
NVNT	ax20	2412	Sum	-3.25	5.82	Pass
NVNT	ax20	2437	Ant1	-5.86	5.82	Pass
NVNT	ax20	2437	Ant2	-6.26	5.82	Pass
NVNT	ax20	2437	Sum	-3.05	5.82	Pass
NVNT	ax20	2462	Ant1	-5.16	5.82	Pass
NVNT	ax20	2462	Ant2	-5.43	5.82	Pass
NVNT	ax20	2462	Sum	-2.28	5.82	Pass
NVNT	ax40	2422	Ant1	-7.41	5.82	Pass
NVNT	ax40	2422	Ant2	-7.78	5.82	Pass
NVNT	ax40	2422	Sum	-4.58	5.82	Pass
NVNT	ax40	2437	Ant1	-8.37	5.82	Pass
NVNT	ax40	2437	Ant2	-7.72	5.82	Pass
NVNT	ax40	2437	Sum	-5.02	5.82	Pass
NVNT	ax40	2452	Ant1	-8.04	5.82	Pass
NVNT	ax40	2452	Ant2	-6.98	5.82	Pass
NVNT	ax40	2452	Sum	-4.47	5.82	Pass
NVNT	n20	2412	Ant1	-5.69	5.82	Pass
NVNT	n20	2412	Ant2	-6.23	5.82	Pass
NVNT	n20	2412	Sum	-2.94	5.82	Pass
NVNT	n20	2437	Ant1	-4.74	5.82	Pass
NVNT	n20	2437	Ant2	-4.69	5.82	Pass
NVNT	n20	2437	Sum	-1.7	5.82	Pass
NVNT	n20	2462	Ant1	-4.05	5.82	Pass
NVNT	n20	2462	Ant2	-5.69	5.82	Pass
NVNT	n20	2462	Sum	-1.78	5.82	Pass
NVNT	n40	2422	Ant1	-6.81	5.82	Pass
NVNT	n40	2422	Ant2	-7.97	5.82	Pass
NVNT	n40	2422	Sum	-4.34	5.82	Pass
NVNT	n40	2437	Ant1	-7.21	5.82	Pass
NVNT	n40	2437	Ant2	-7.33	5.82	Pass
NVNT	n40	2437	Sum	-4.26	5.82	Pass
NVNT	n40	2452	Ant1	-7.02	5.82	Pass
NVNT	n40	2452	Ant2	-7.66	5.82	Pass
NVNT	n40	2452	Sum	-4.32	5.82	Pass

Test Graphs

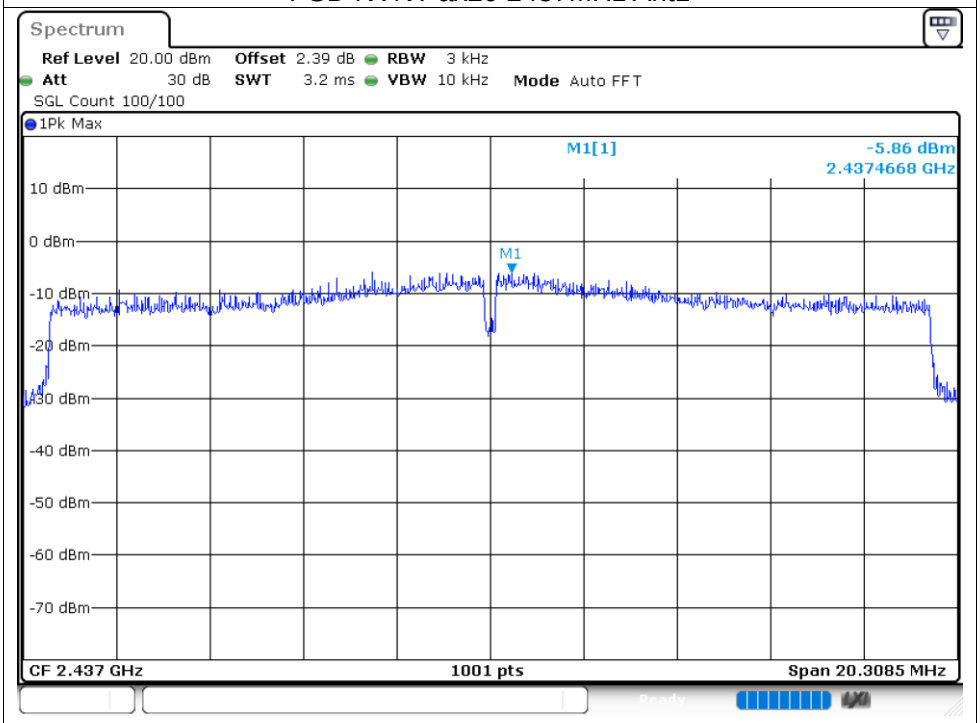
PSD NVNT ax20 2412MHz Ant1



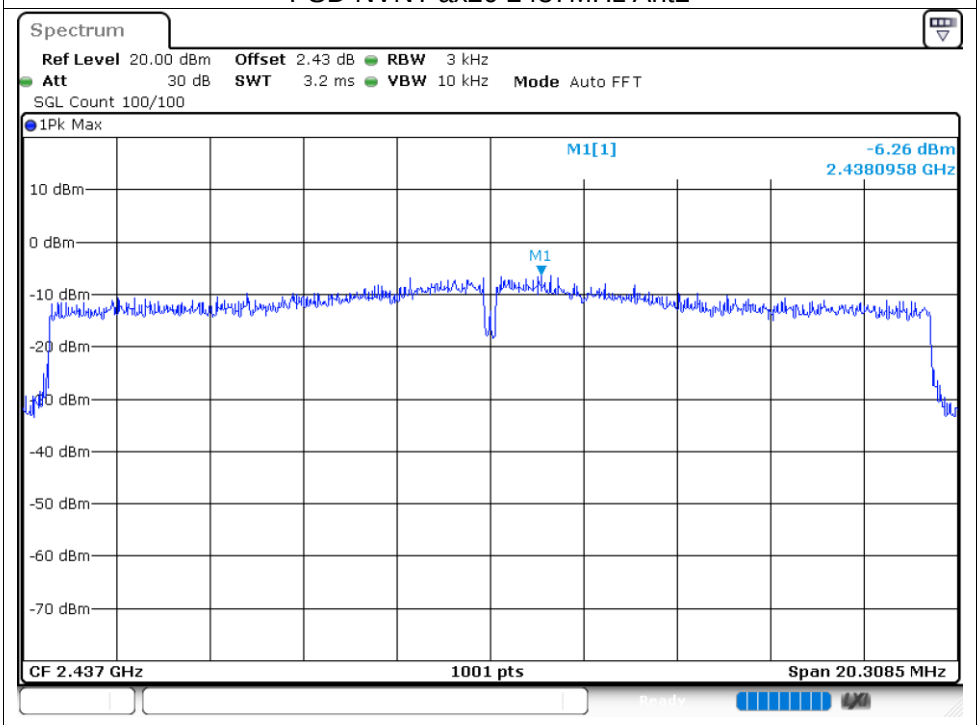
PSD NVNT ax20 2412MHz Ant2



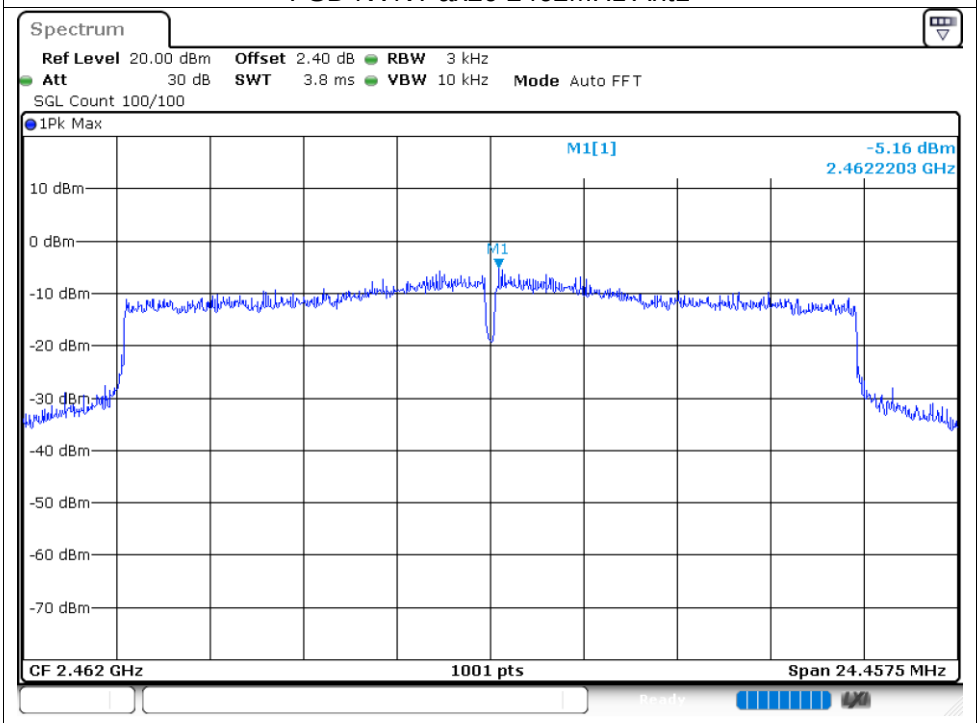
PSD NVNT ax20 2437MHz Ant1



PSD NVNT ax20 2437MHz Ant2



PSD NVNT ax20 2462MHz Ant1



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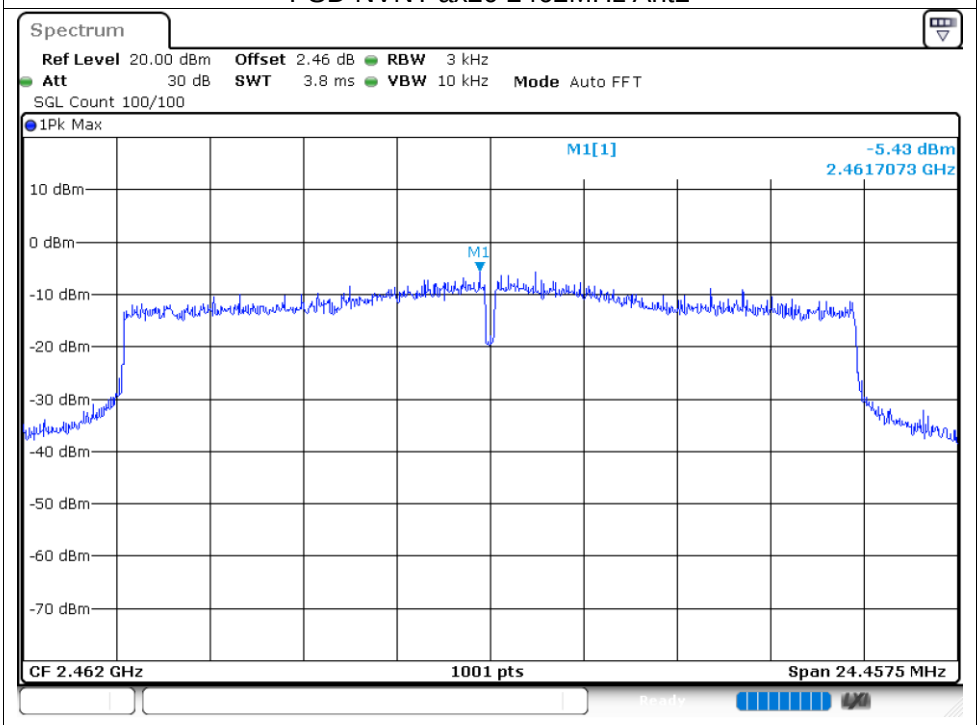

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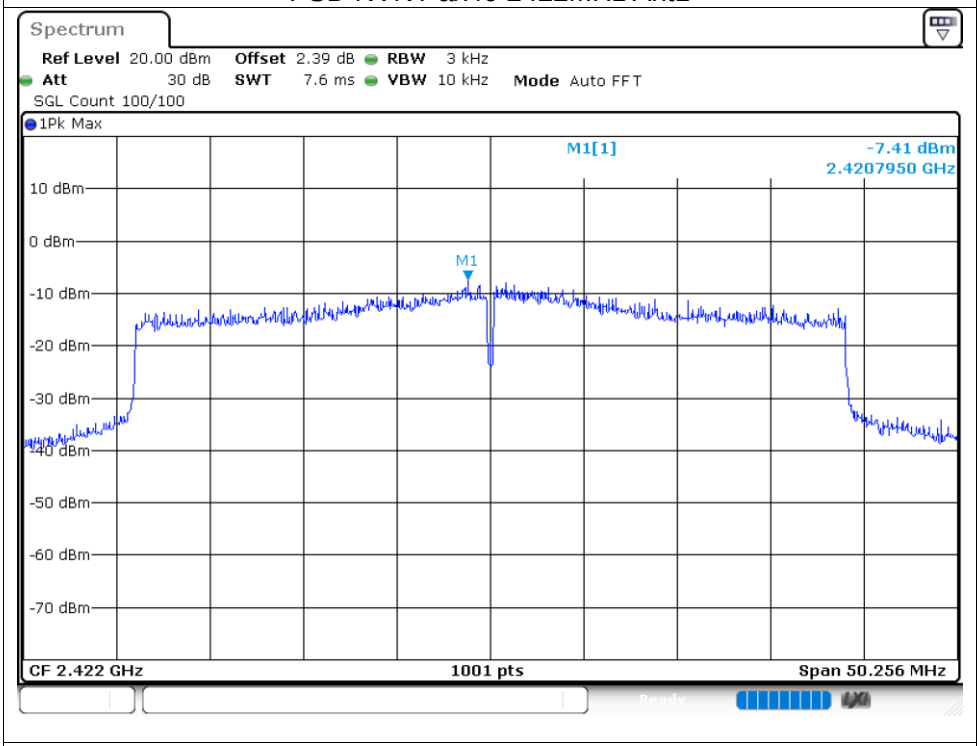
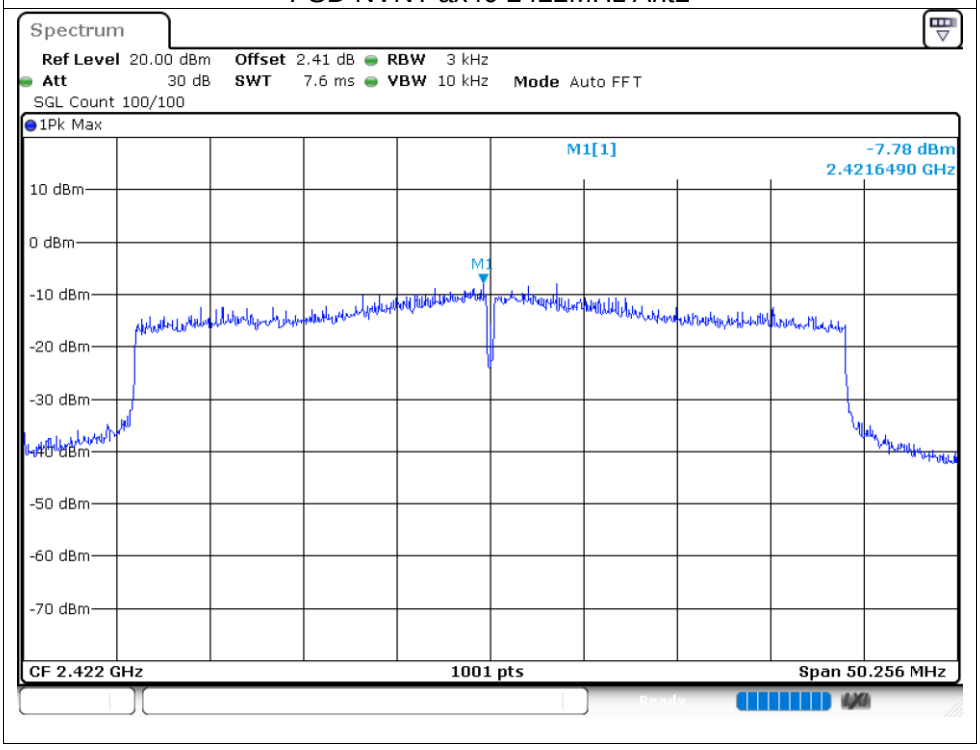
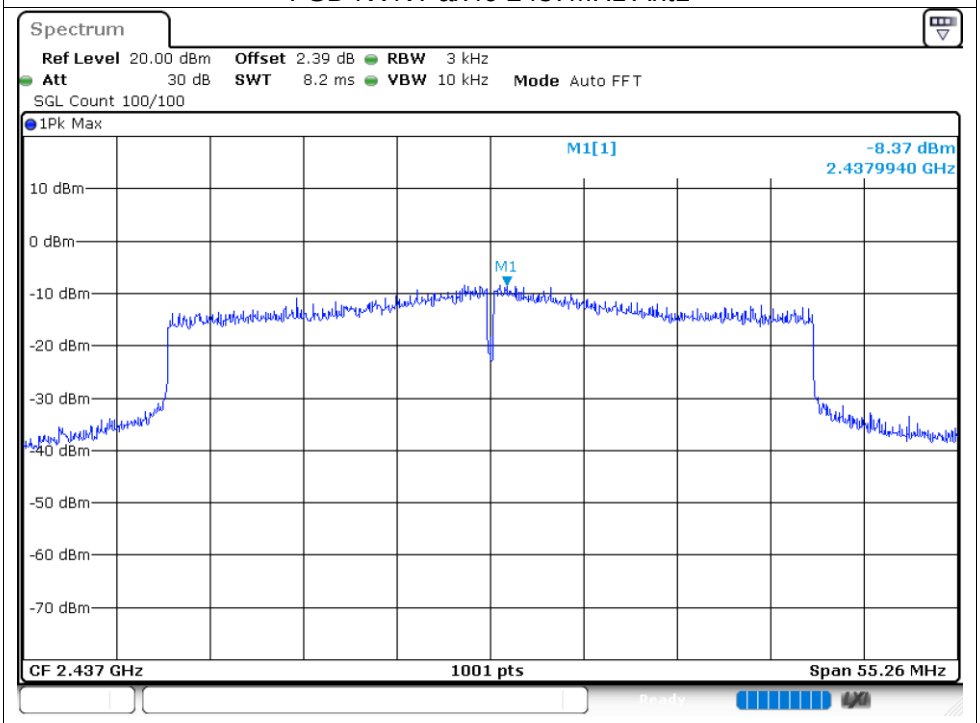


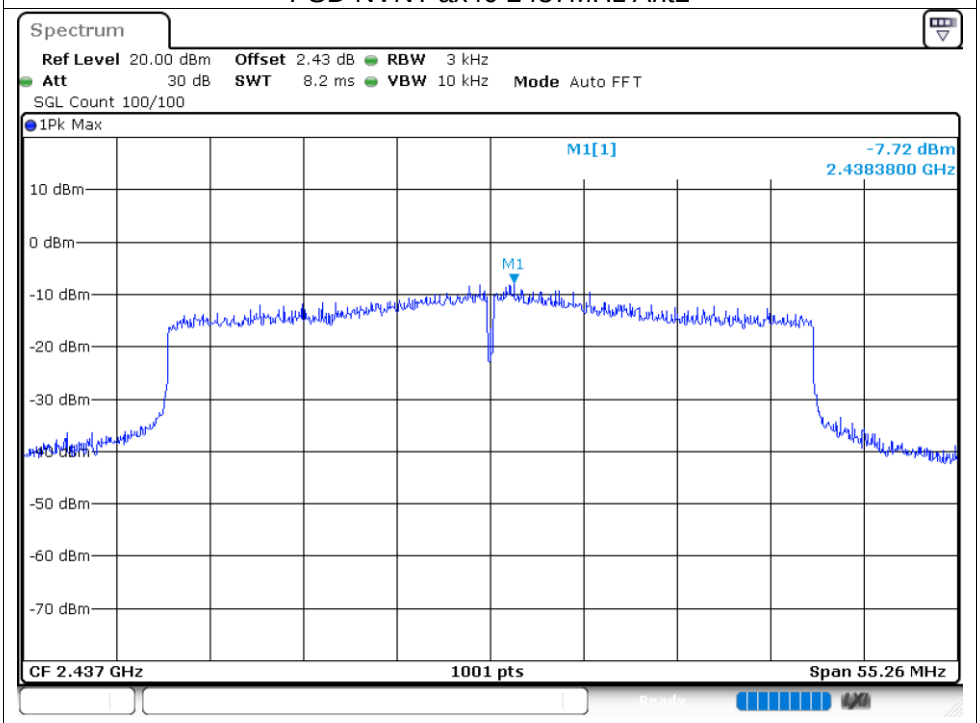
PSD NVNT ax40 2422MHz Ant2



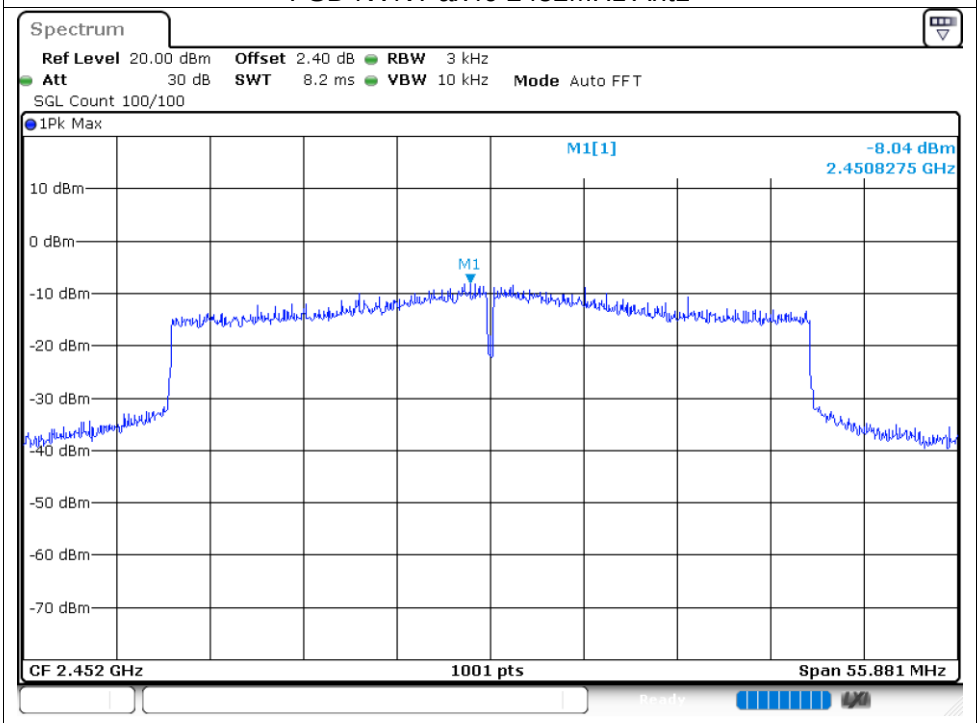
PSD NVNT ax40 2437MHz Ant1



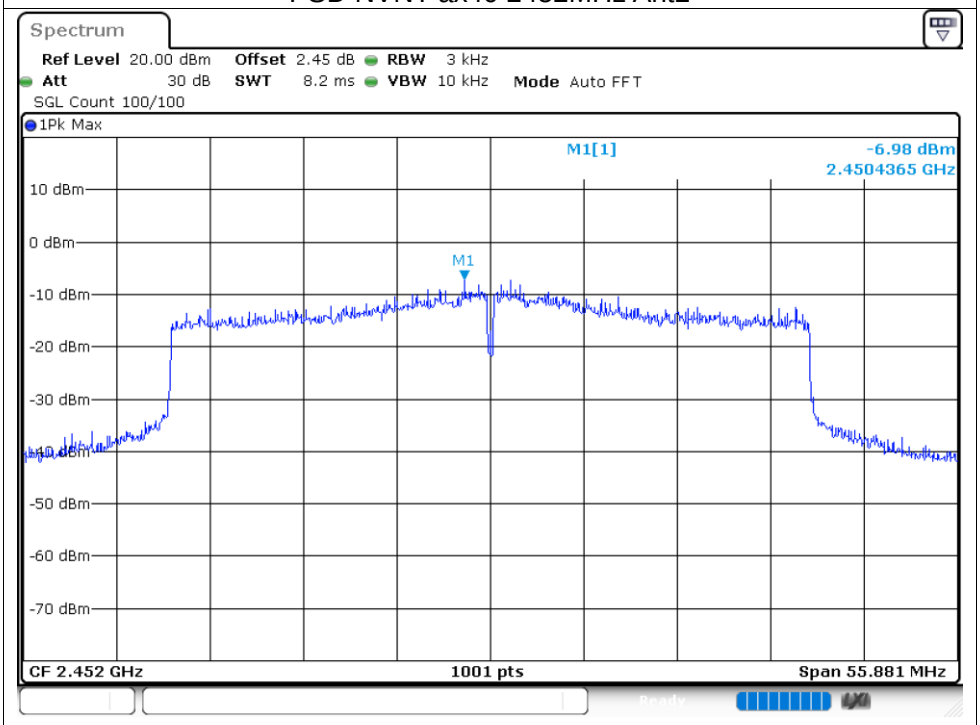
PSD NVNT ax40 2437MHz Ant2



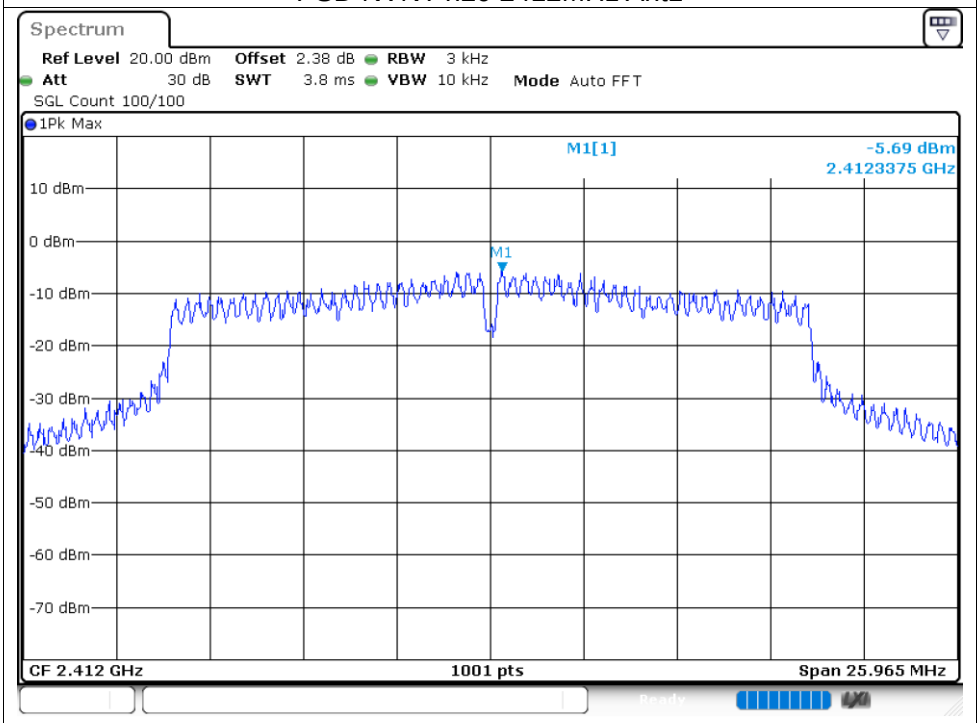
PSD NVNT ax40 2452MHz Ant1



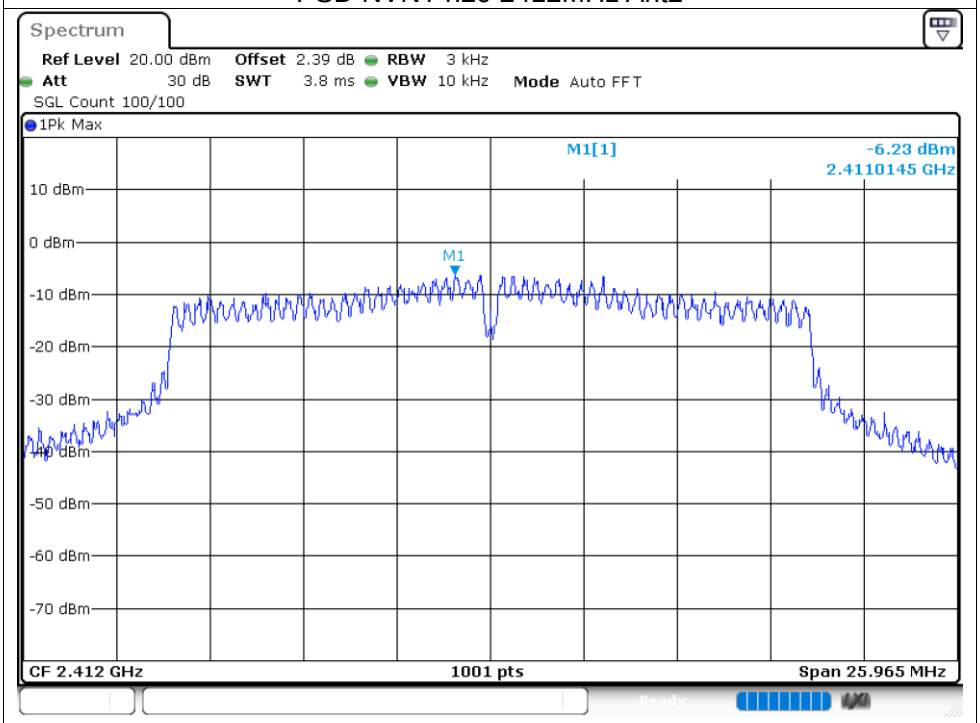
PSD NVNT ax40 2452MHz Ant2



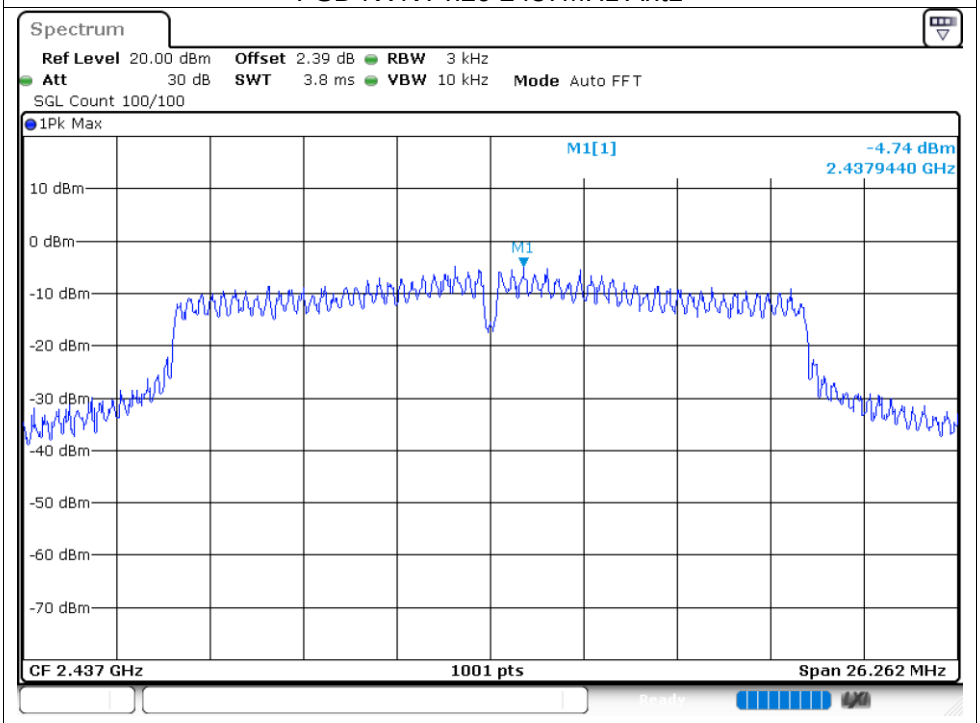
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2412MHz Ant2



PSD NVNT n20 2437MHz Ant1



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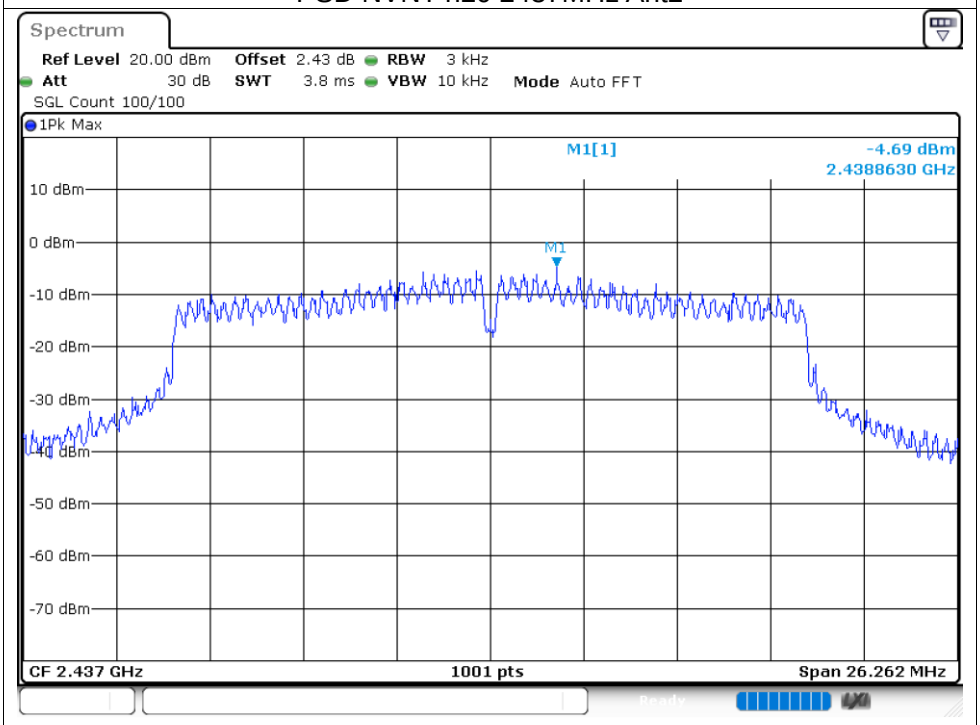
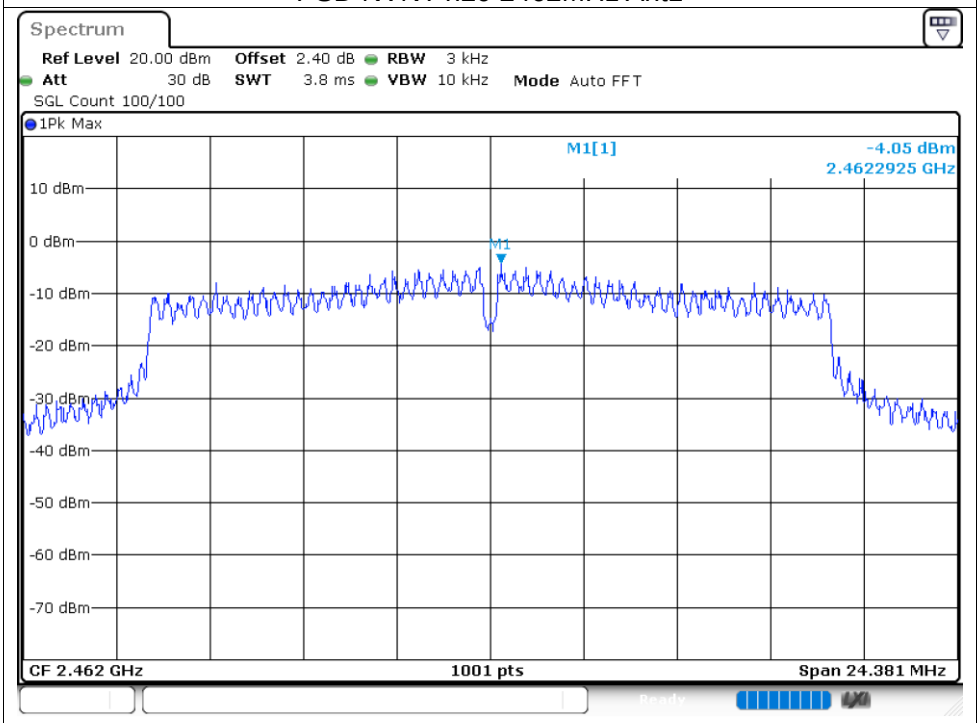


PSD NVNT n20 2462MHz Ant1



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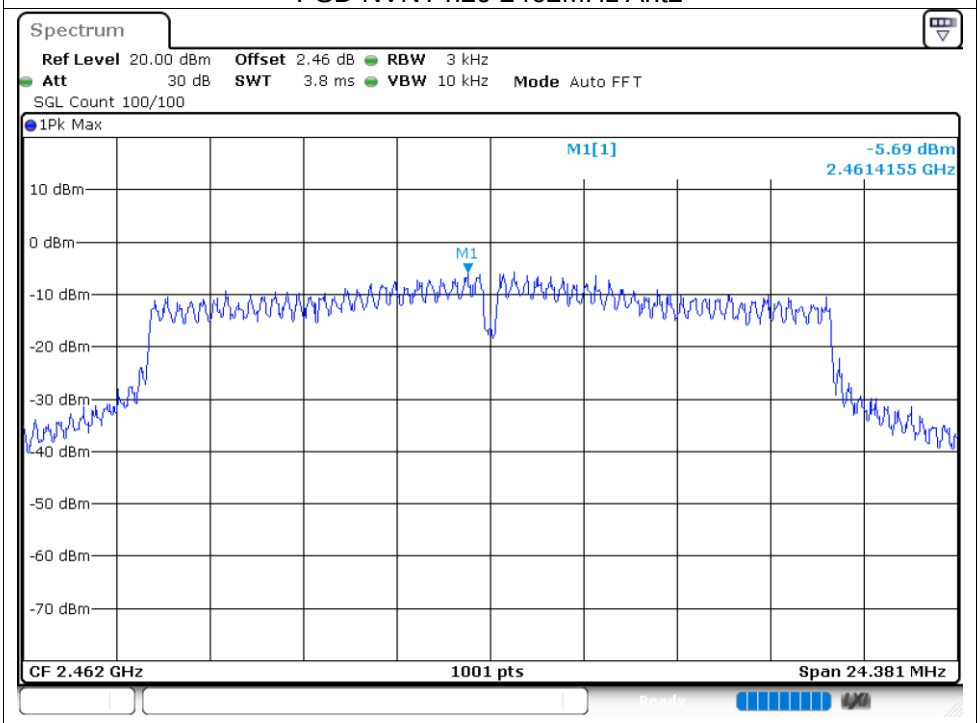

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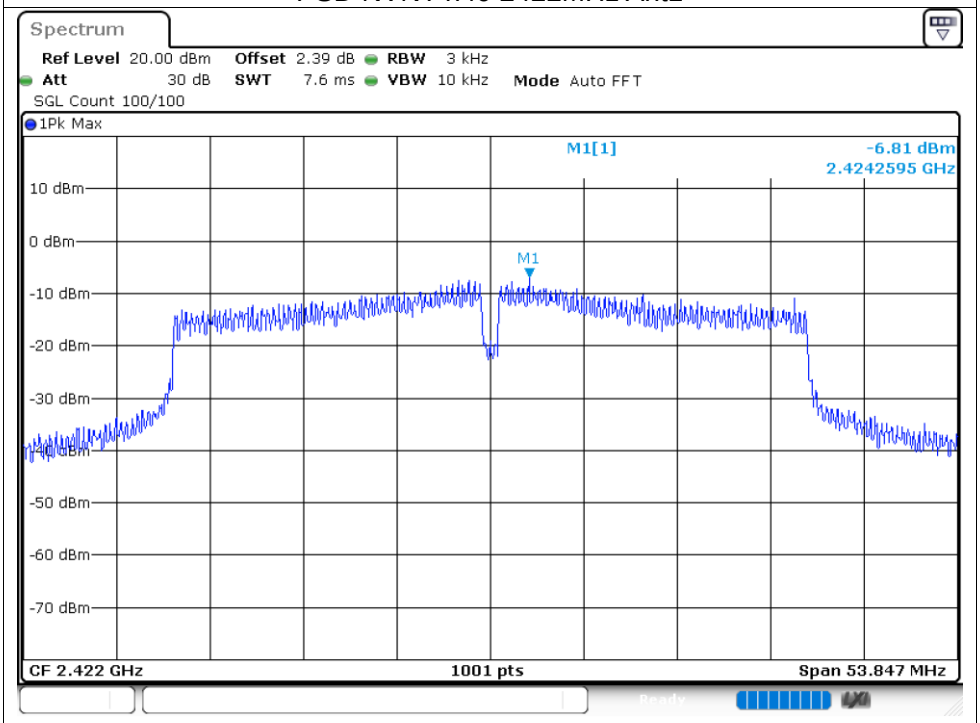

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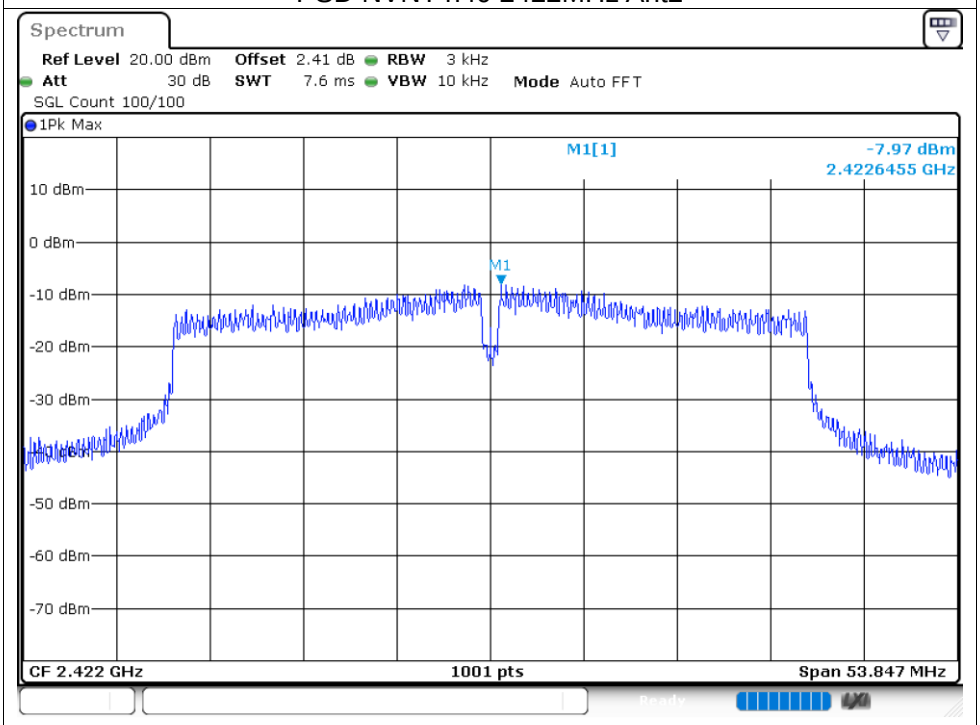
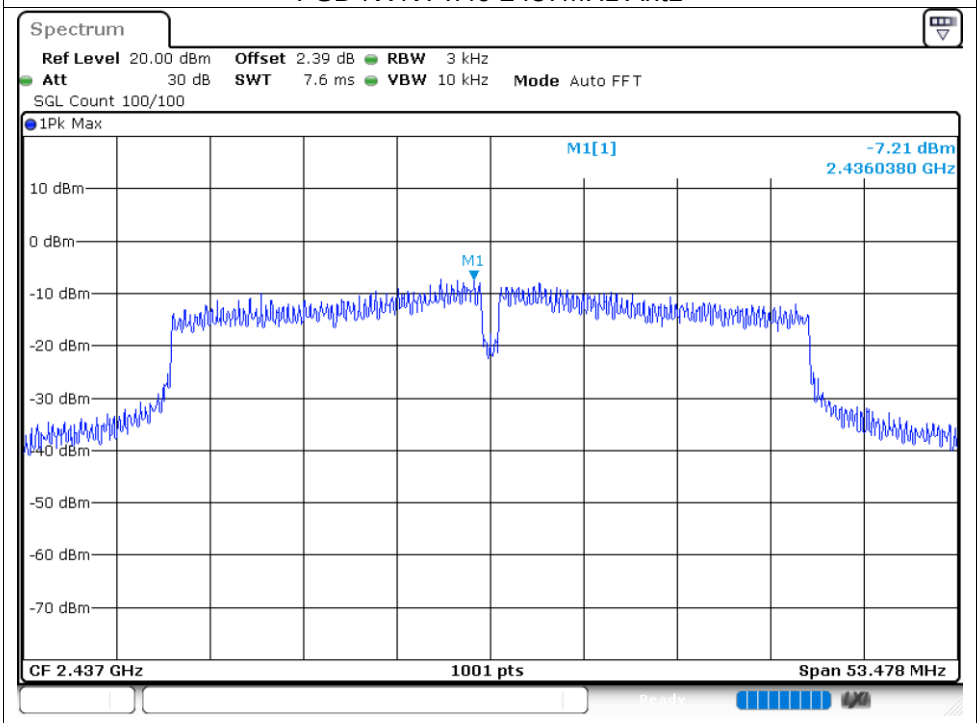
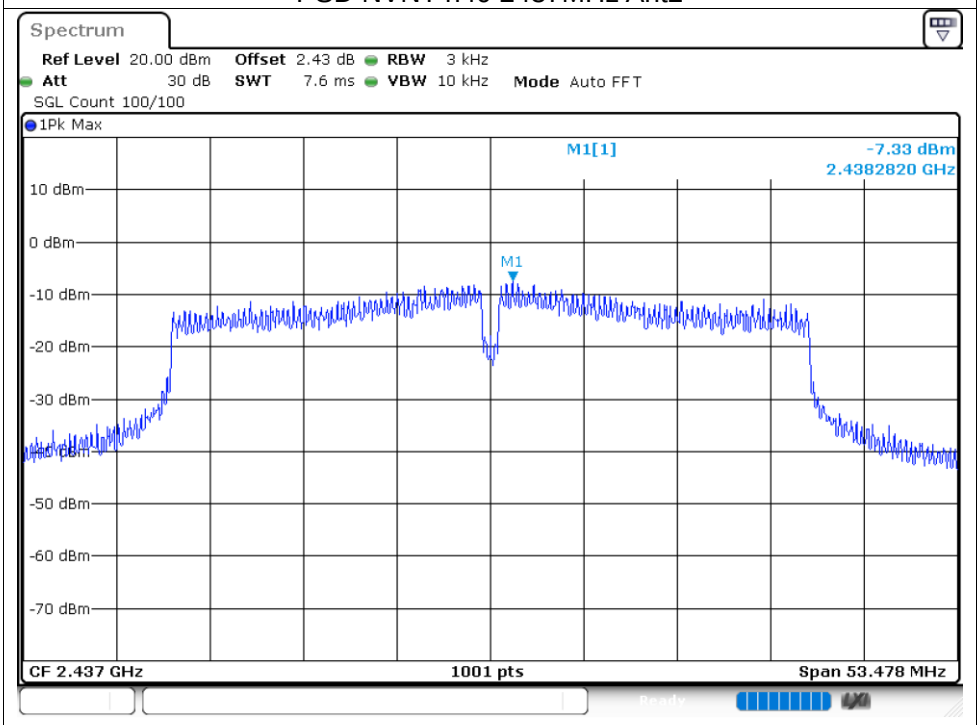


PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2437MHz Ant2