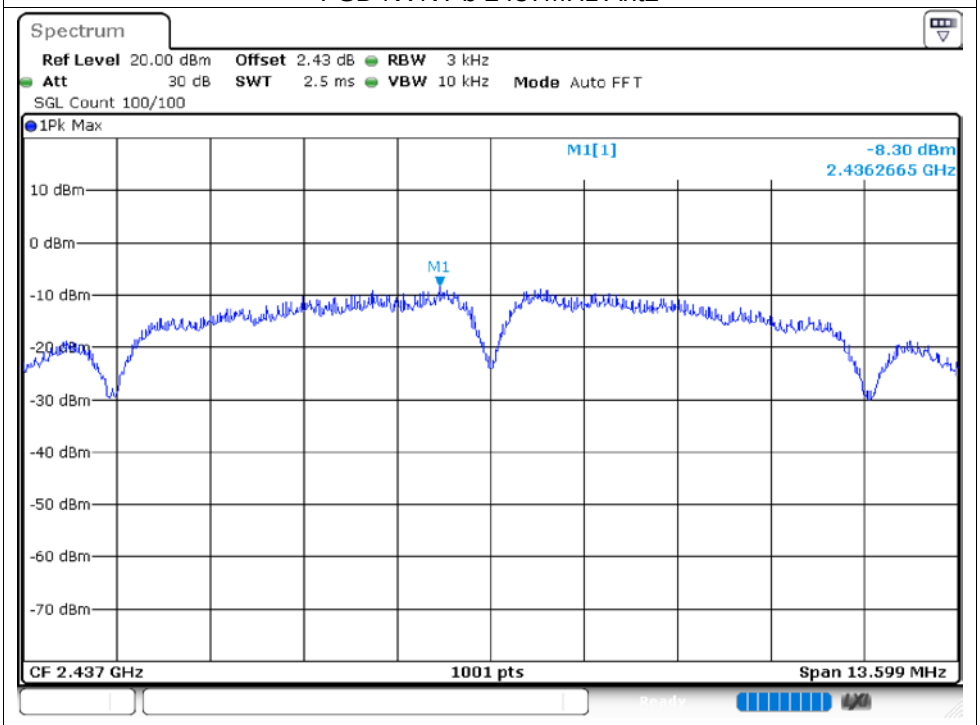
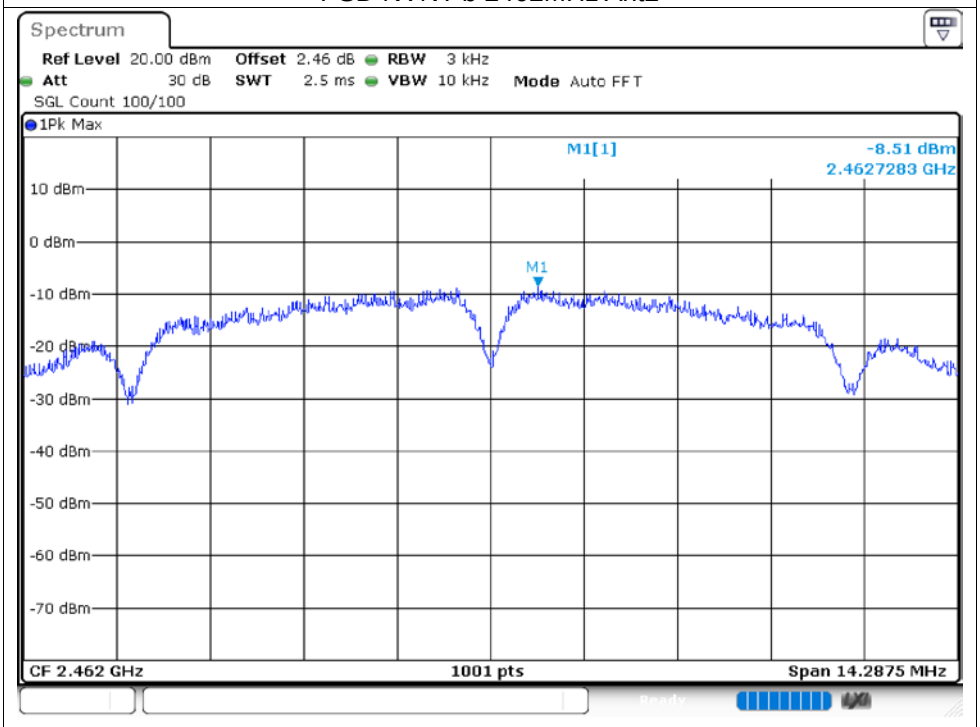
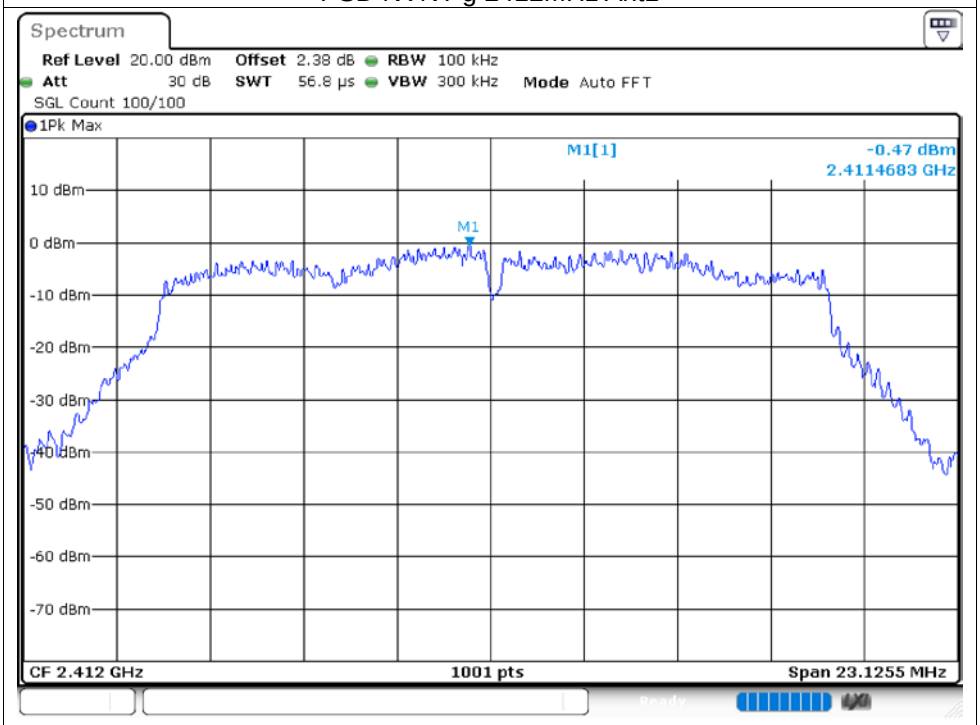
PSD NVNT b 2437MHz Ant2



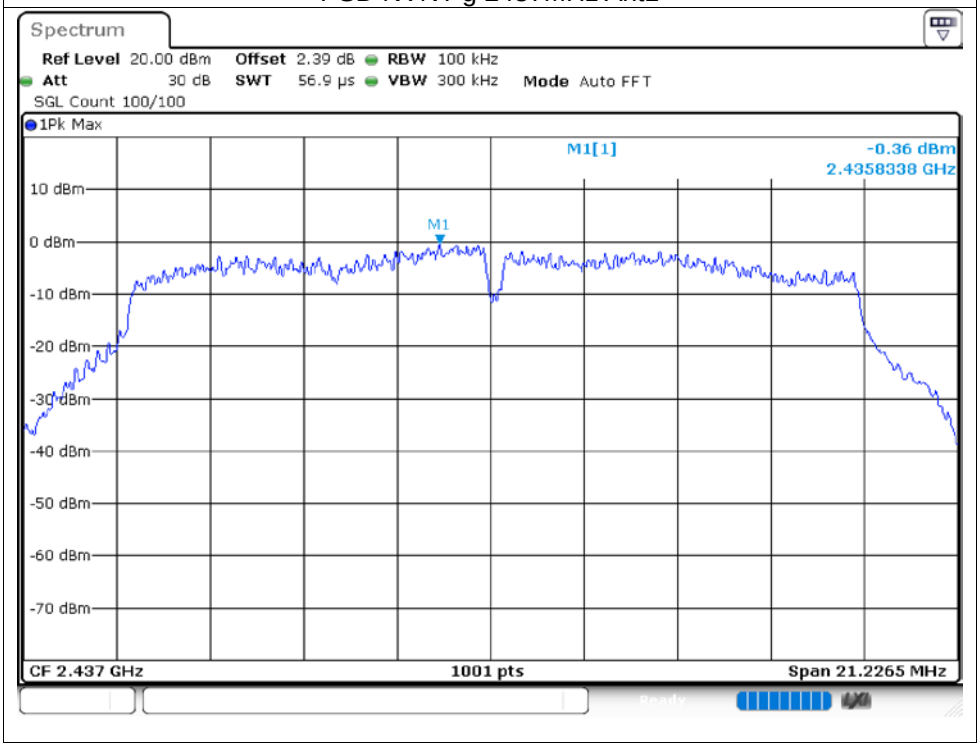
PSD NVNT b 2462MHz Ant2



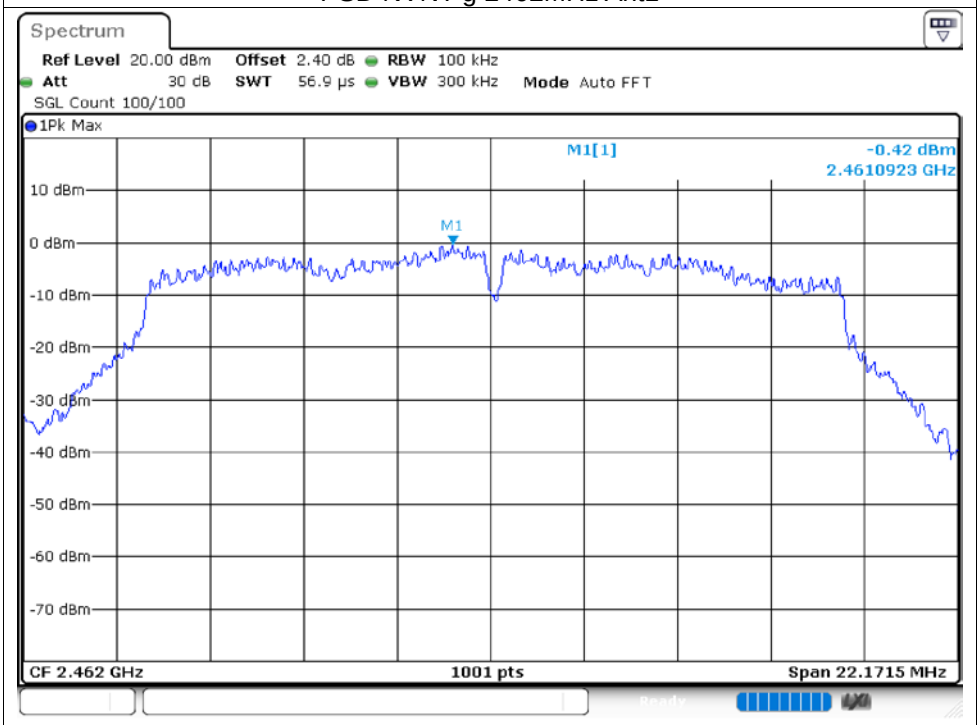
PSD NVNT g 2412MHz Ant1



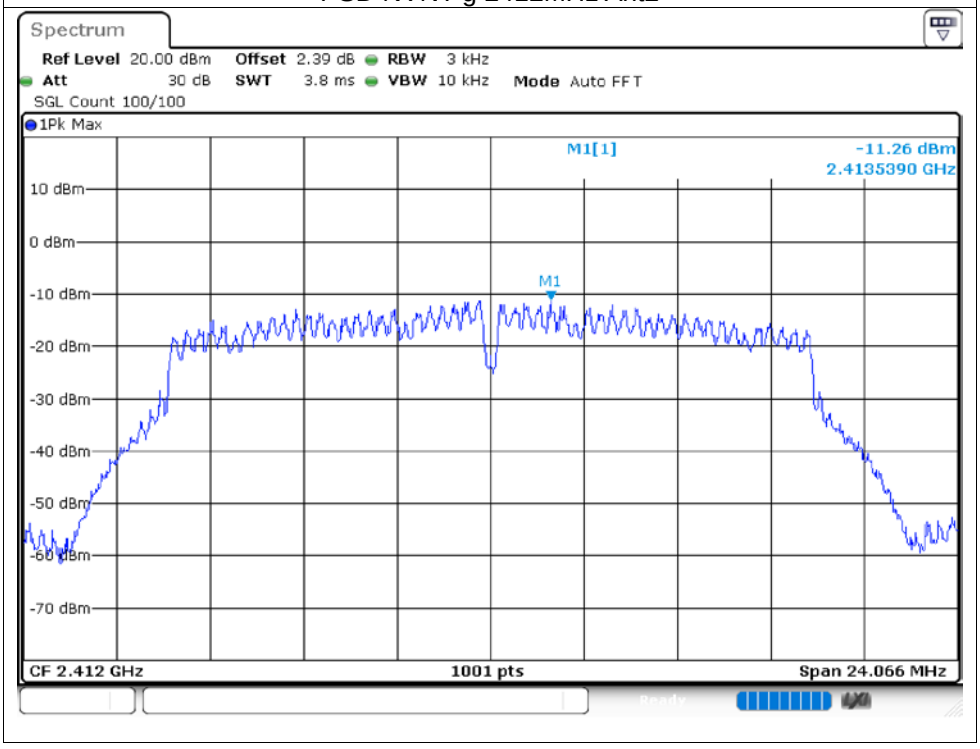
PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



PSD NVNT g 2412MHz Ant2



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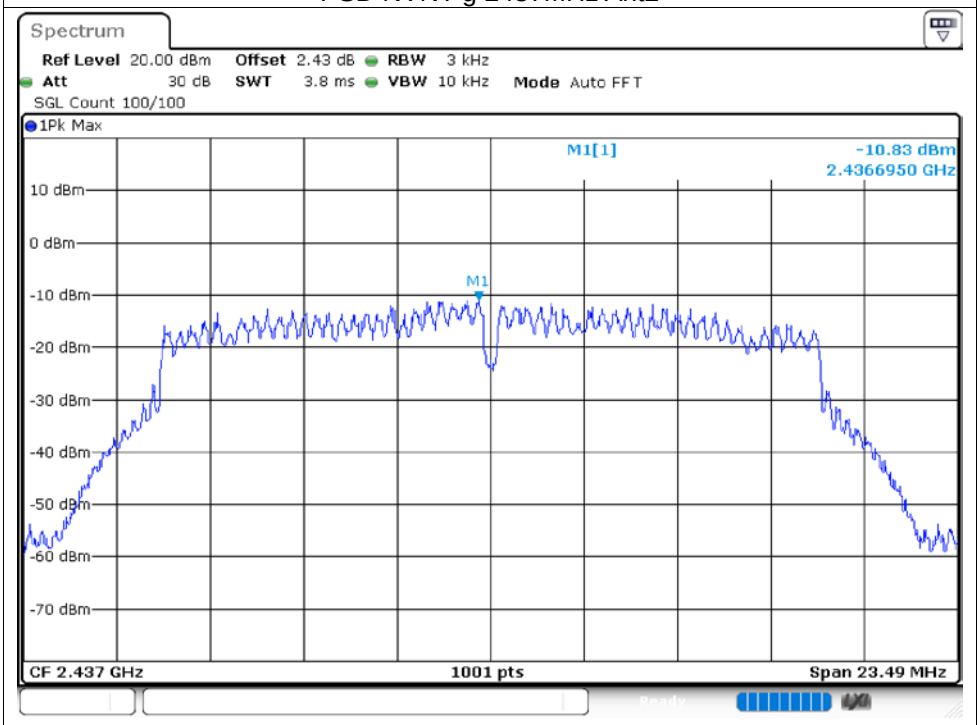
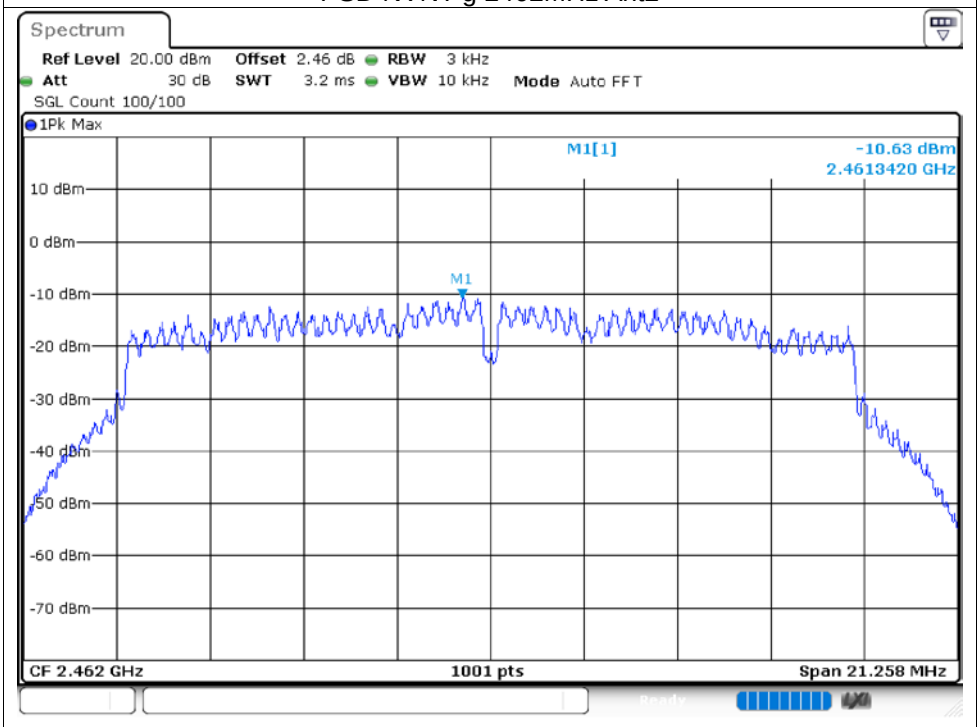
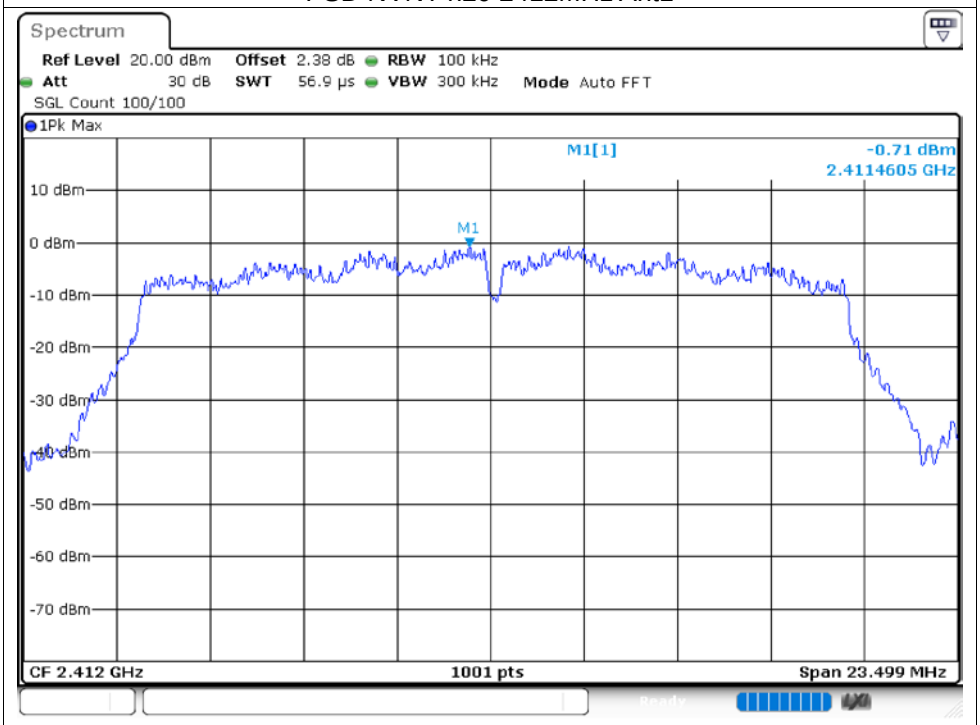


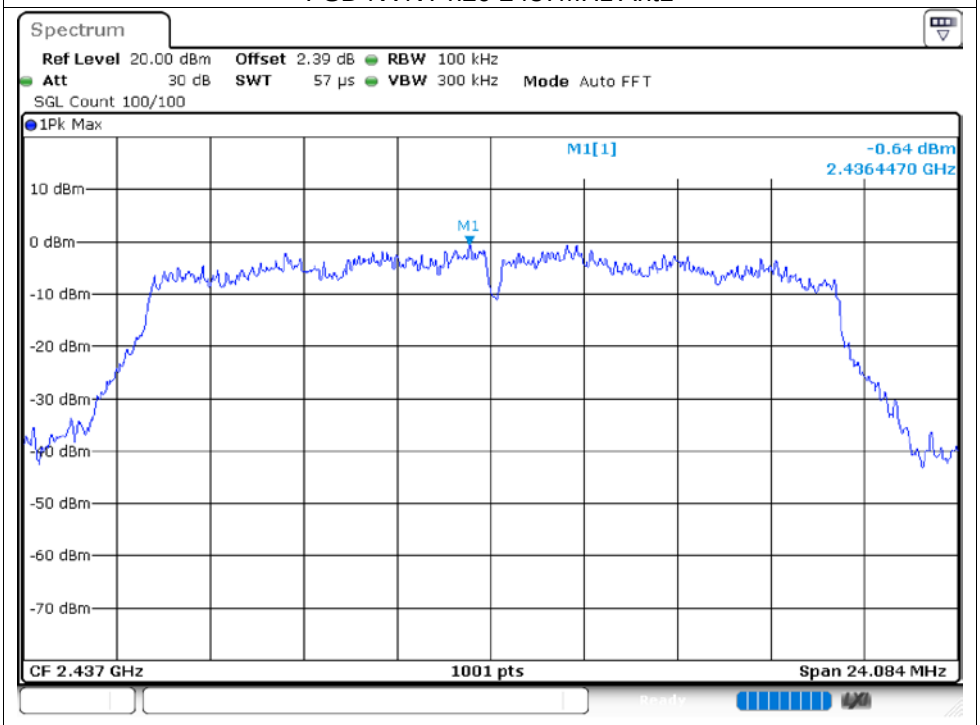
PSD NVNT g 2462MHz Ant2



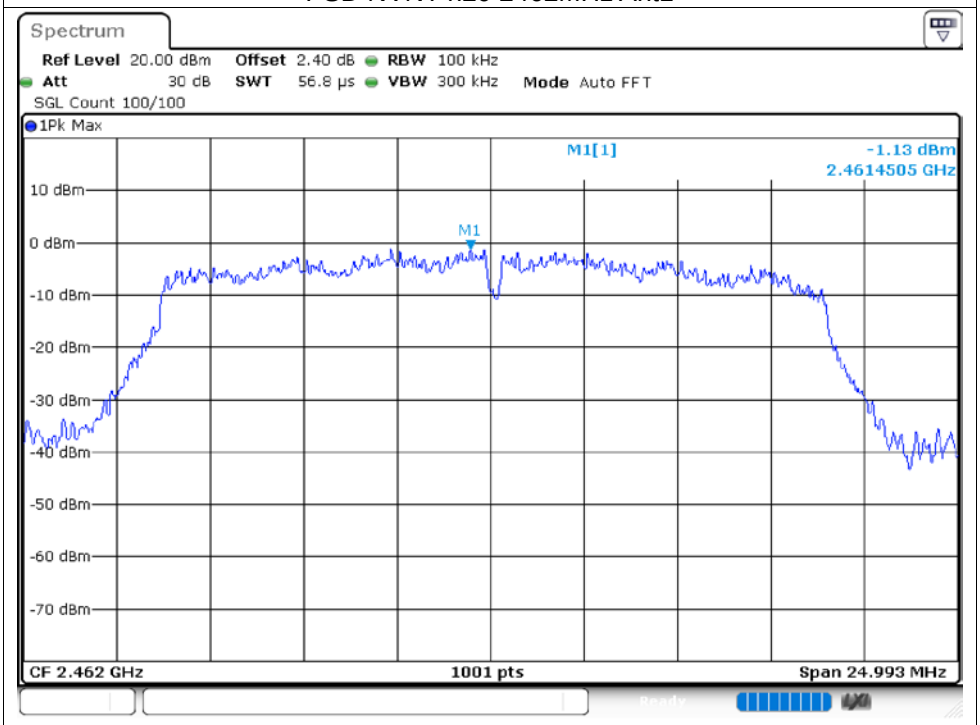
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



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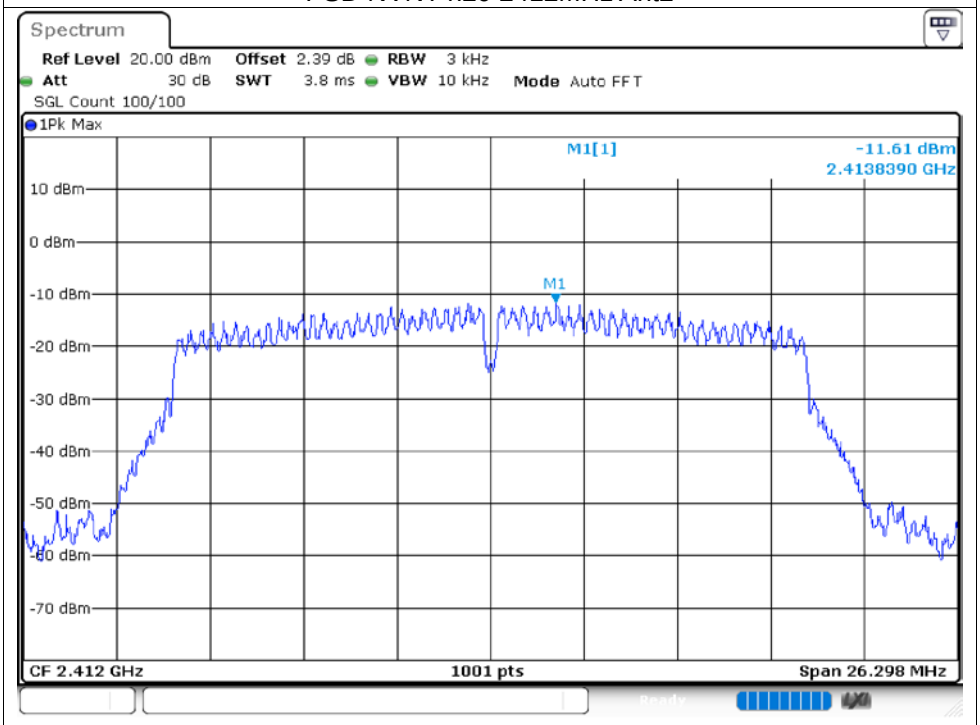
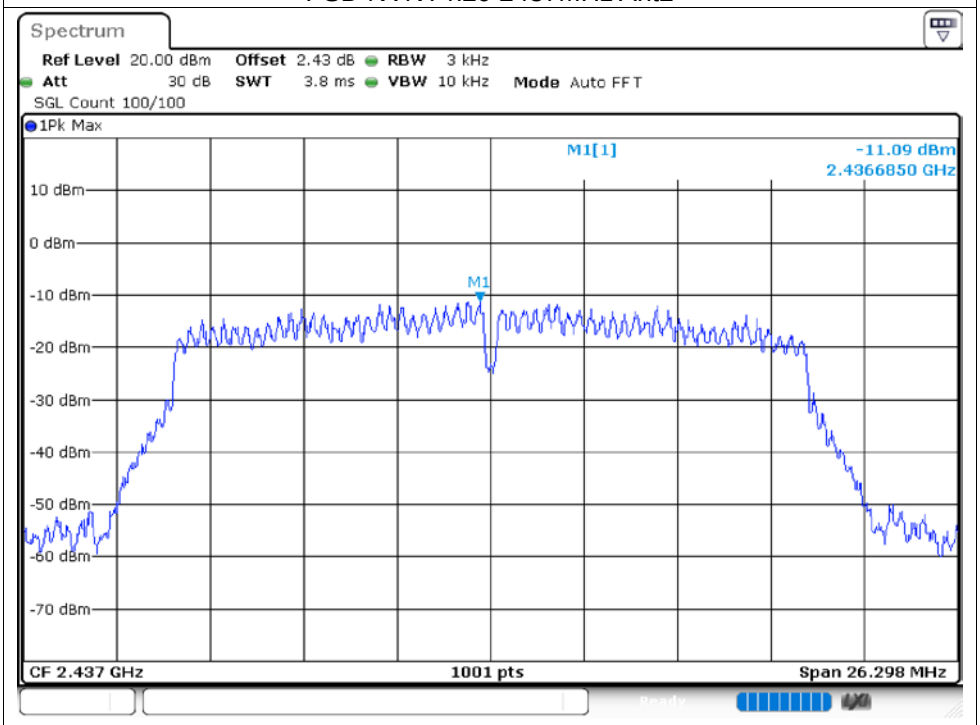
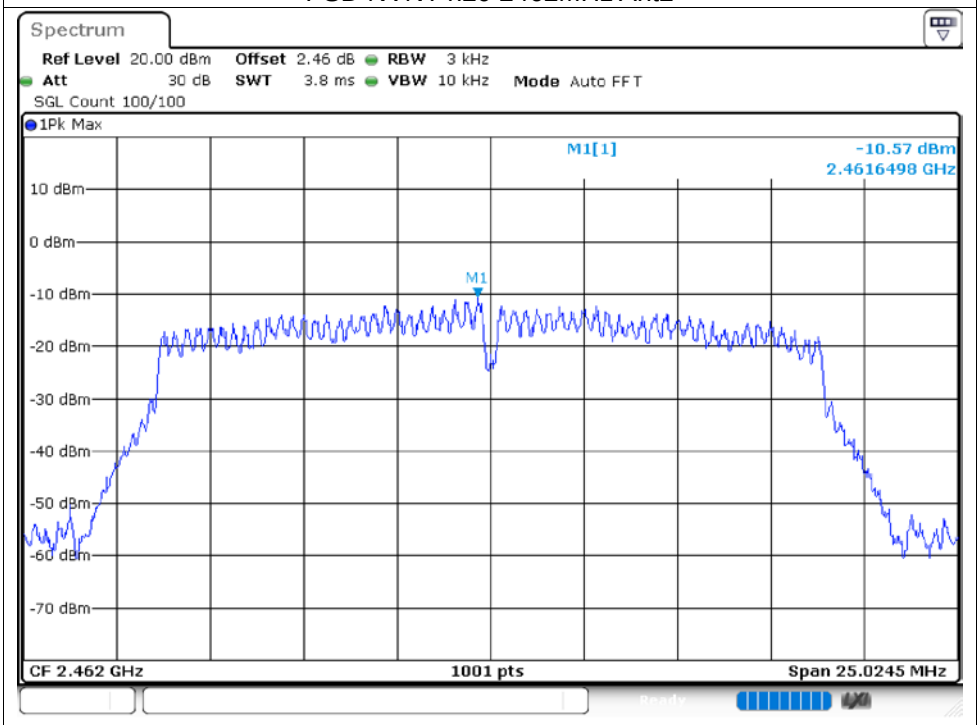


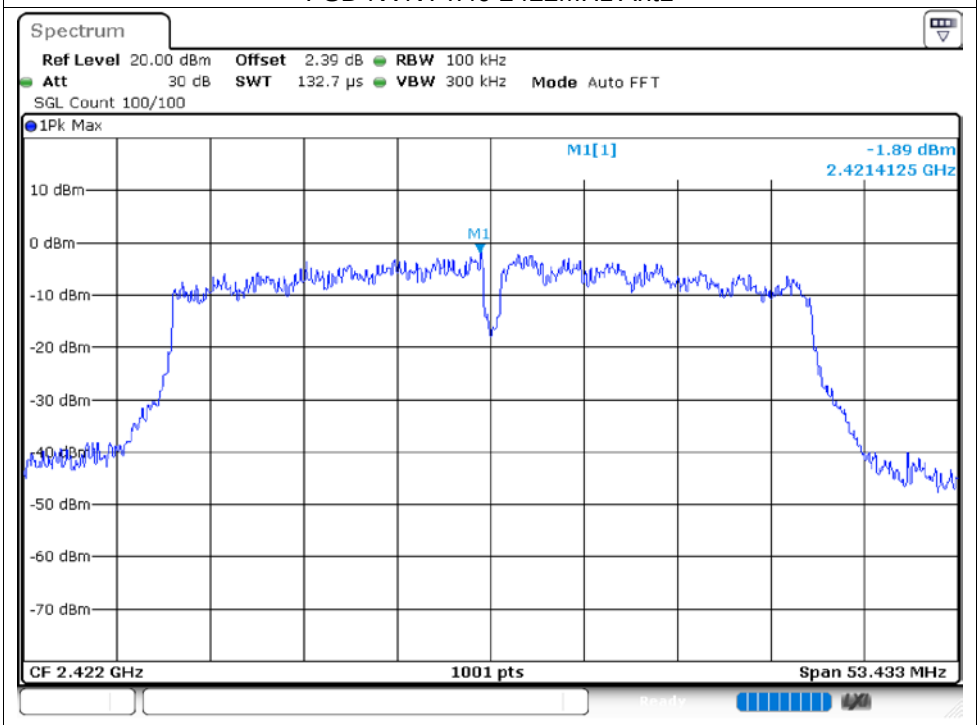
PSD NVNT n20 2437MHz Ant2



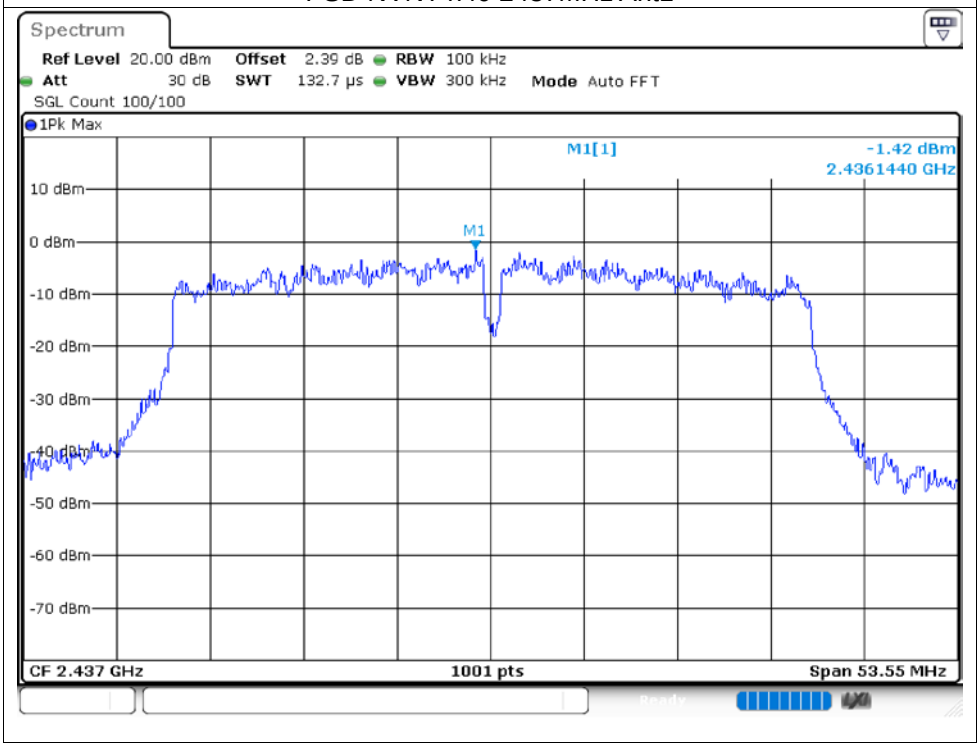
PSD NVNT n20 2462MHz Ant2



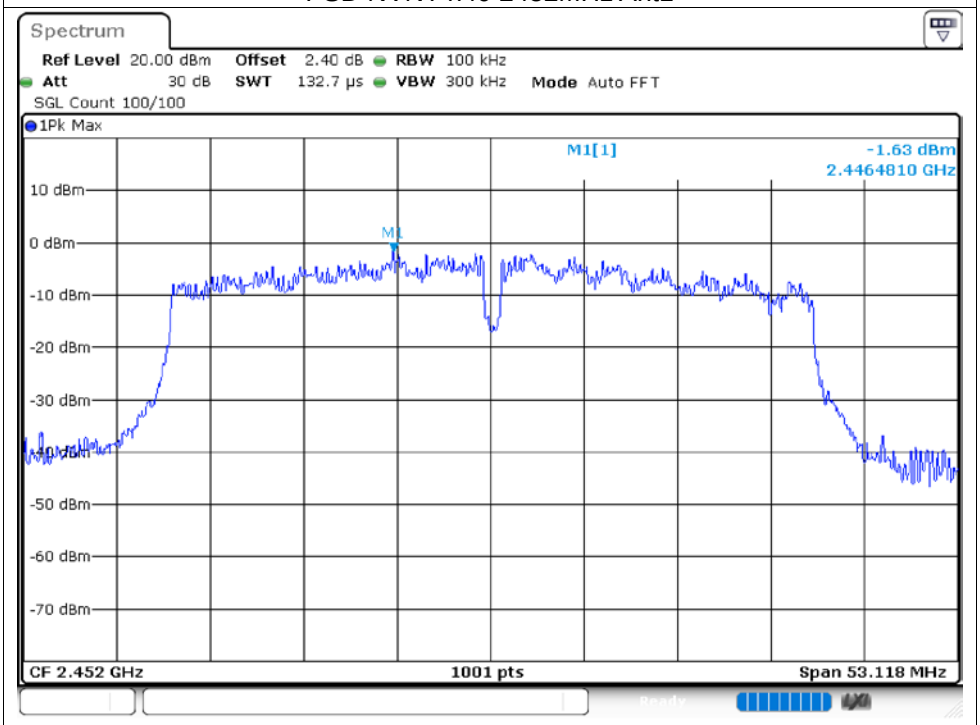
PSD NVNT n40 2422MHz Ant1



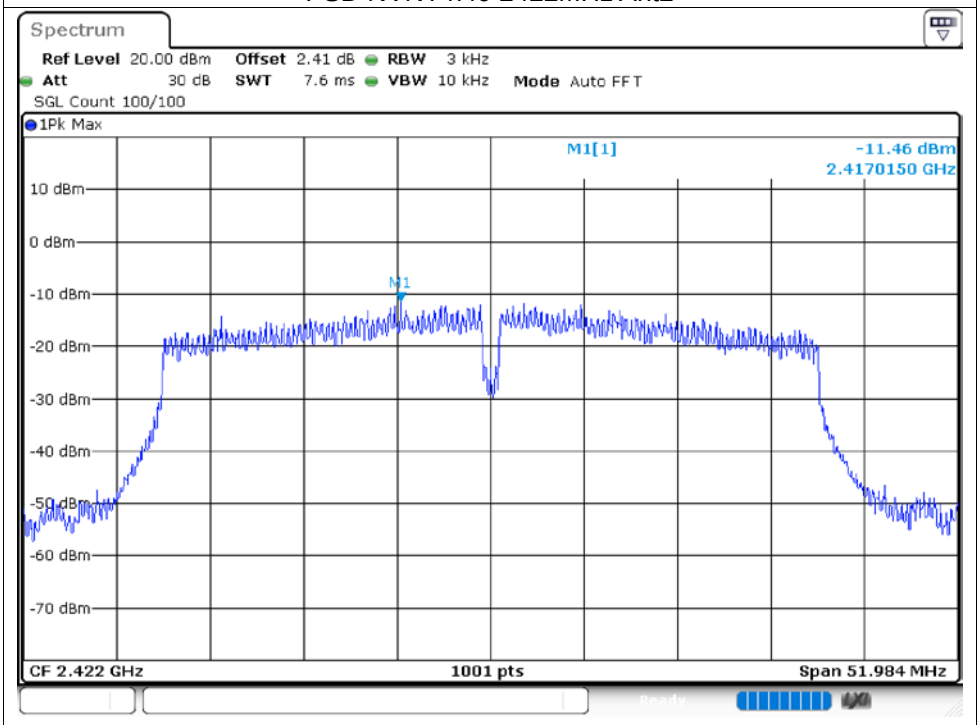
PSD NVNT n40 2437MHz Ant1



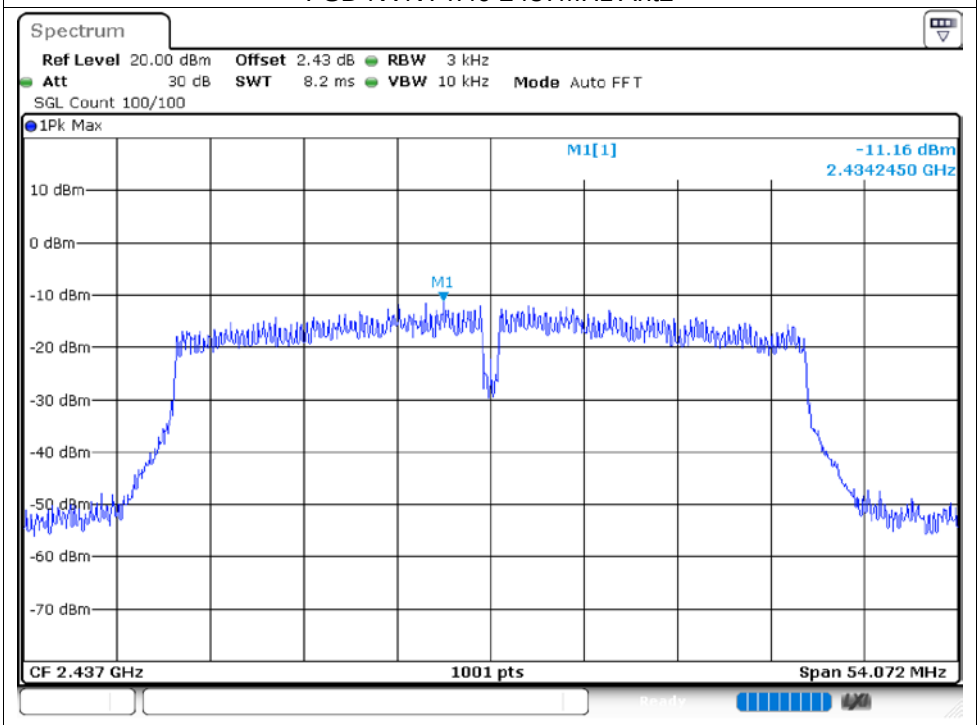
PSD NVNT n40 2452MHz Ant1



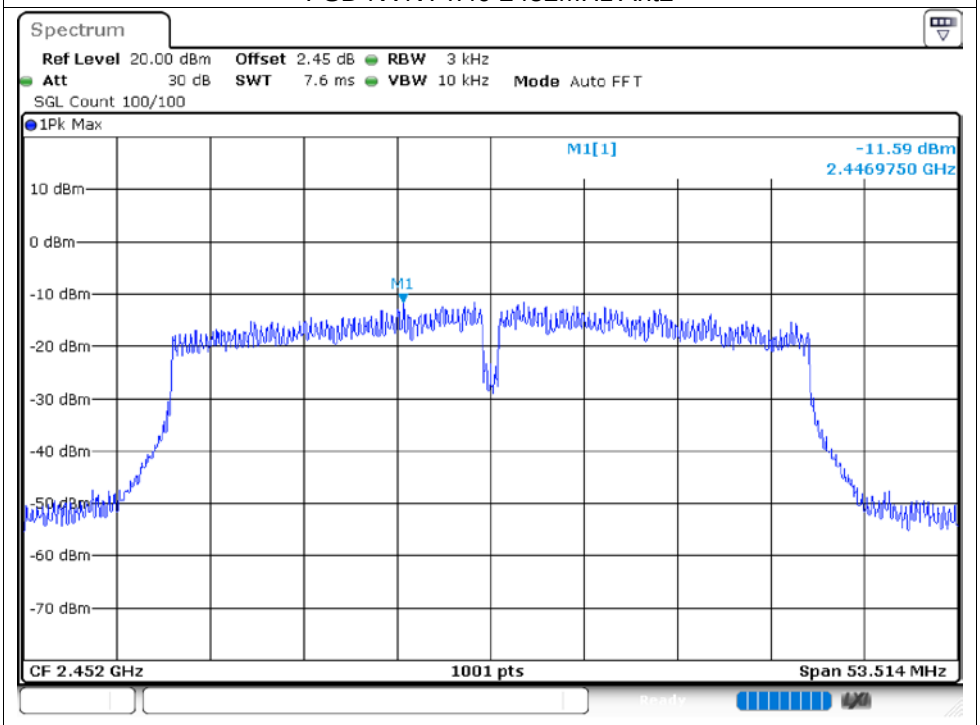
PSD NVNT n40 2422MHz Ant2



PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant2



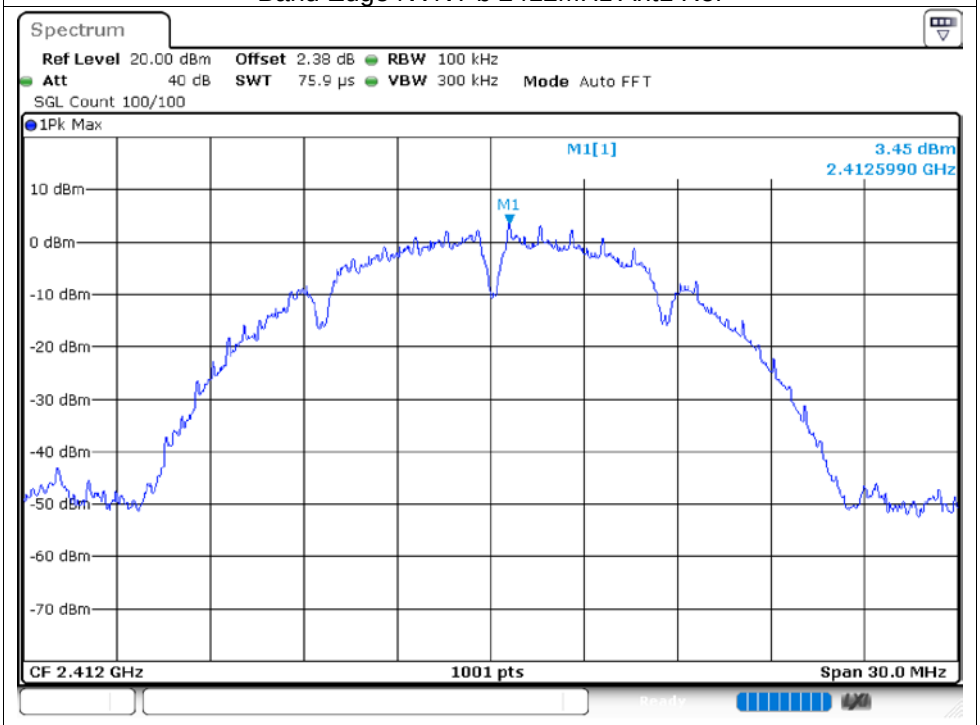
8.6 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.42	-20	Pass
NVNT	b	2462	Ant1	-58.62	-20	Pass
NVNT	b	2412	Ant2	-55.8	-20	Pass
NVNT	b	2462	Ant2	-57.84	-20	Pass
NVNT	g	2412	Ant1	-48.75	-20	Pass
NVNT	g	2462	Ant1	-49.03	-20	Pass
NVNT	g	2412	Ant2	-46.64	-20	Pass
NVNT	g	2462	Ant2	-46.45	-20	Pass
NVNT	n20	2412	Ant1	-46.72	-20	Pass
NVNT	n20	2462	Ant1	-45.95	-20	Pass
NVNT	n20	2412	Ant2	-45.89	-20	Pass
NVNT	n20	2462	Ant2	-46.26	-20	Pass
NVNT	n40	2422	Ant1	-41.39	-20	Pass
NVNT	n40	2452	Ant1	-42.27	-20	Pass
NVNT	n40	2422	Ant2	-35.56	-20	Pass
NVNT	n40	2452	Ant2	-35.77	-20	Pass

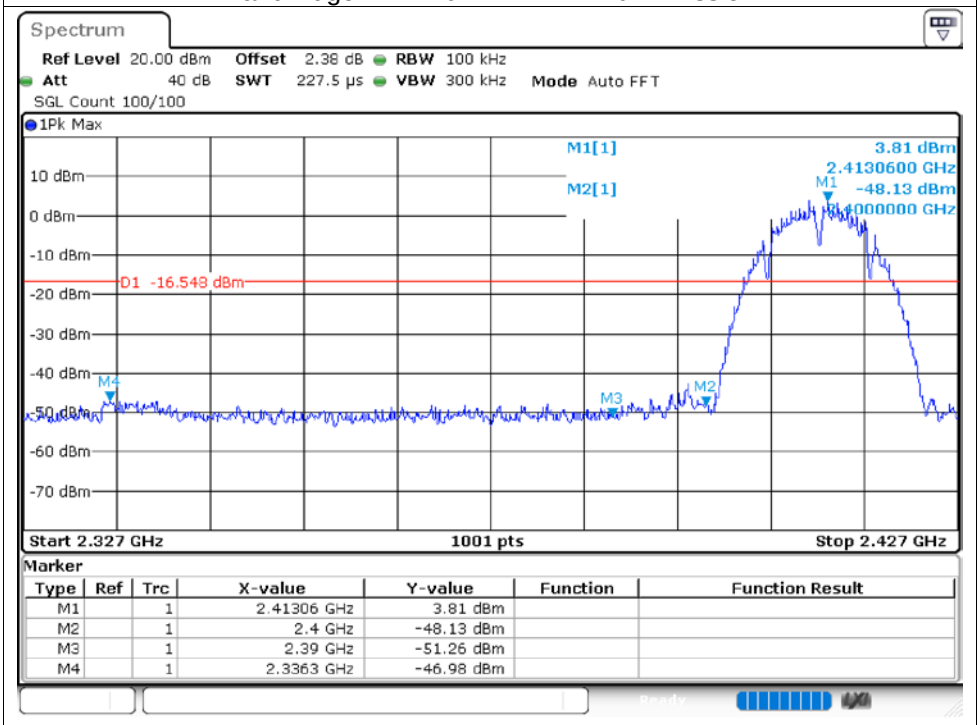
Note: This test has increased antenna gain .

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



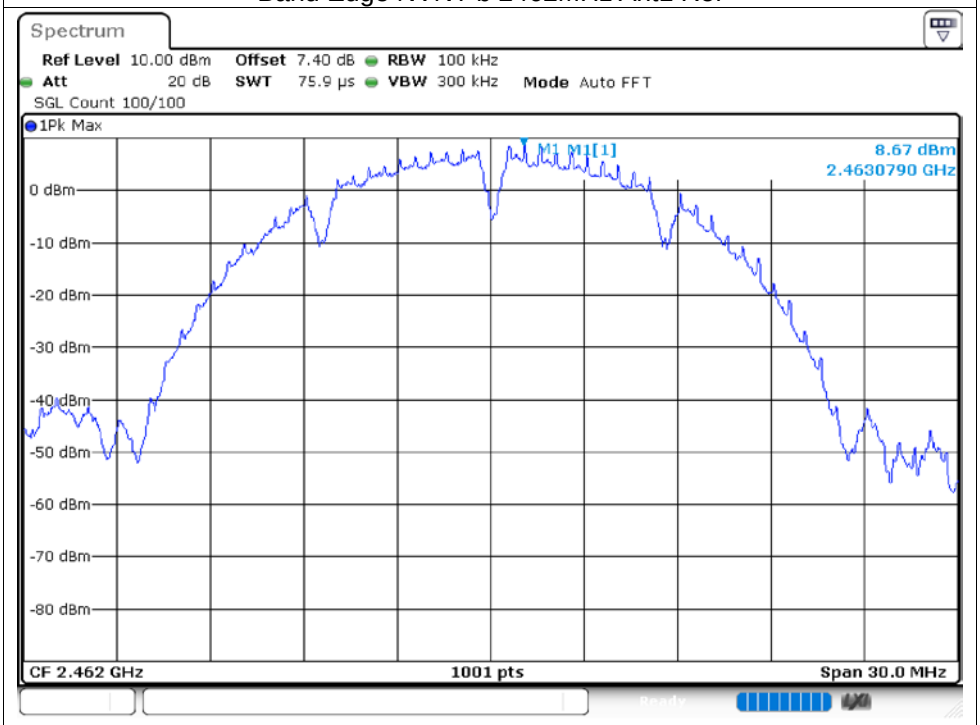
Band Edge NVNT b 2412MHz Ant1 Emission



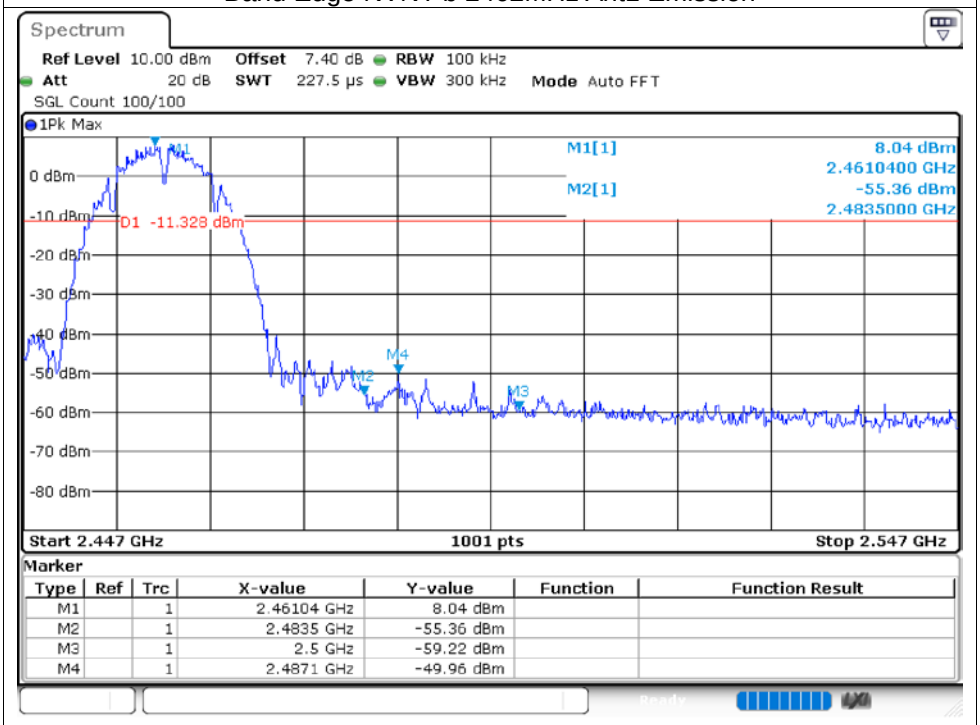
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41306 GHz	3.81 dBm		
M2		1	2.4 GHz	-48.13 dBm		
M3		1	2.39 GHz	-51.26 dBm		
M4		1	2.3363 GHz	-46.98 dBm		

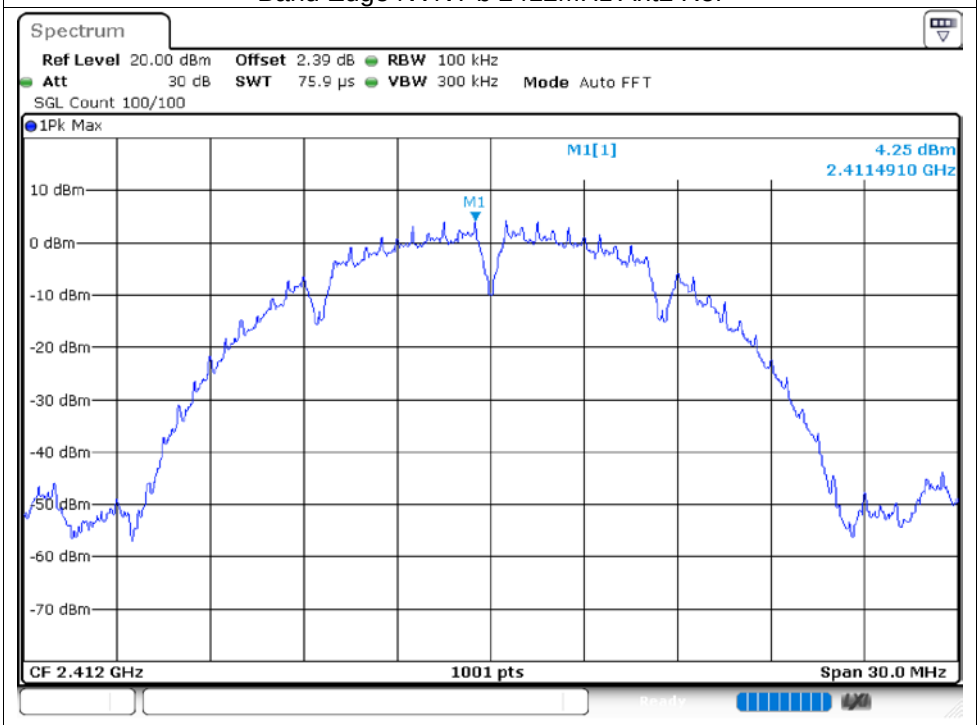
Band Edge NVNT b 2462MHz Ant1 Ref



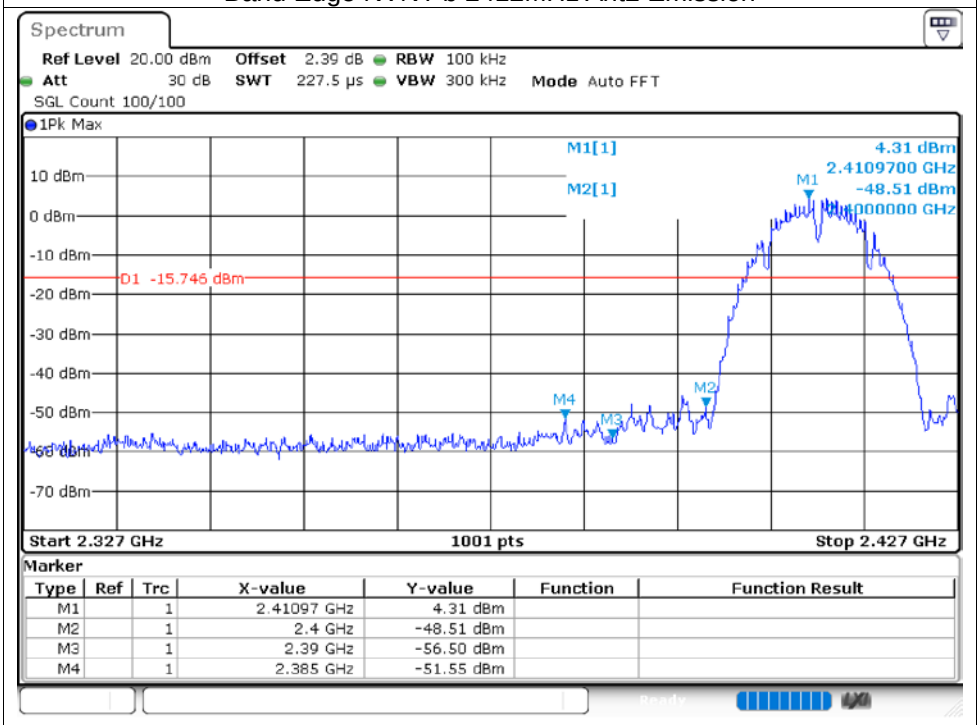
Band Edge NVNT b 2462MHz Ant1 Emission



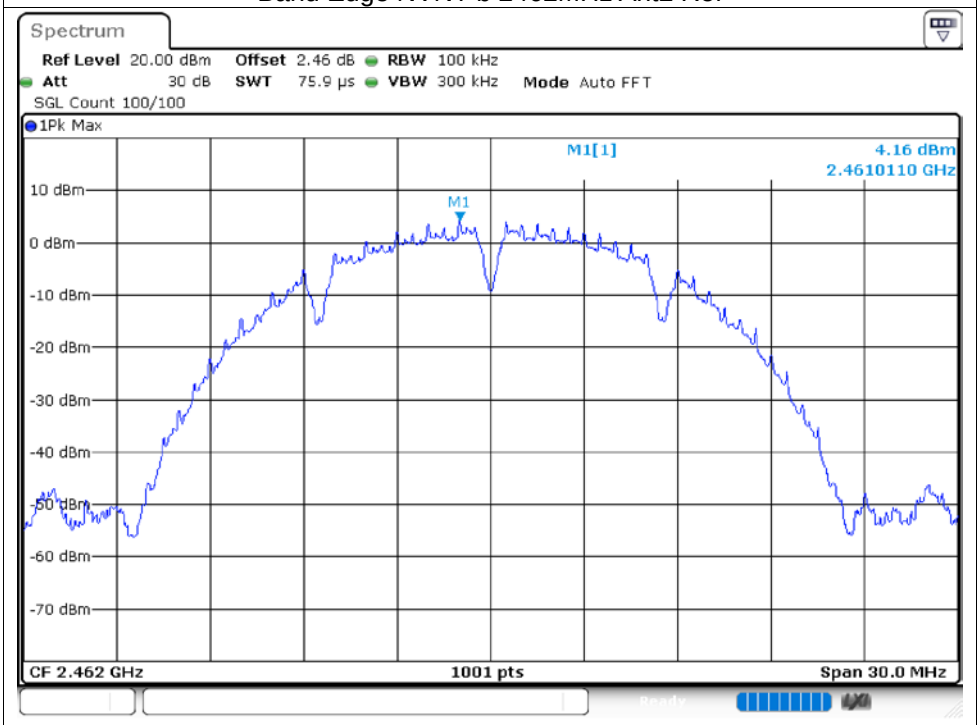
Band Edge NVNT b 2412MHz Ant2 Ref



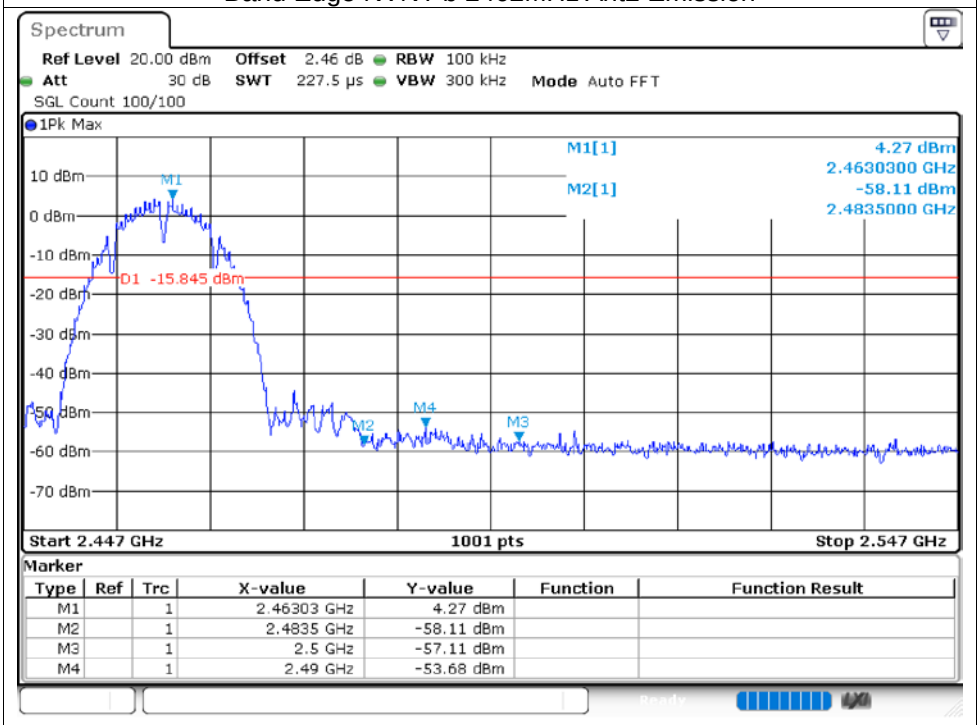
Band Edge NVNT b 2412MHz Ant2 Emission



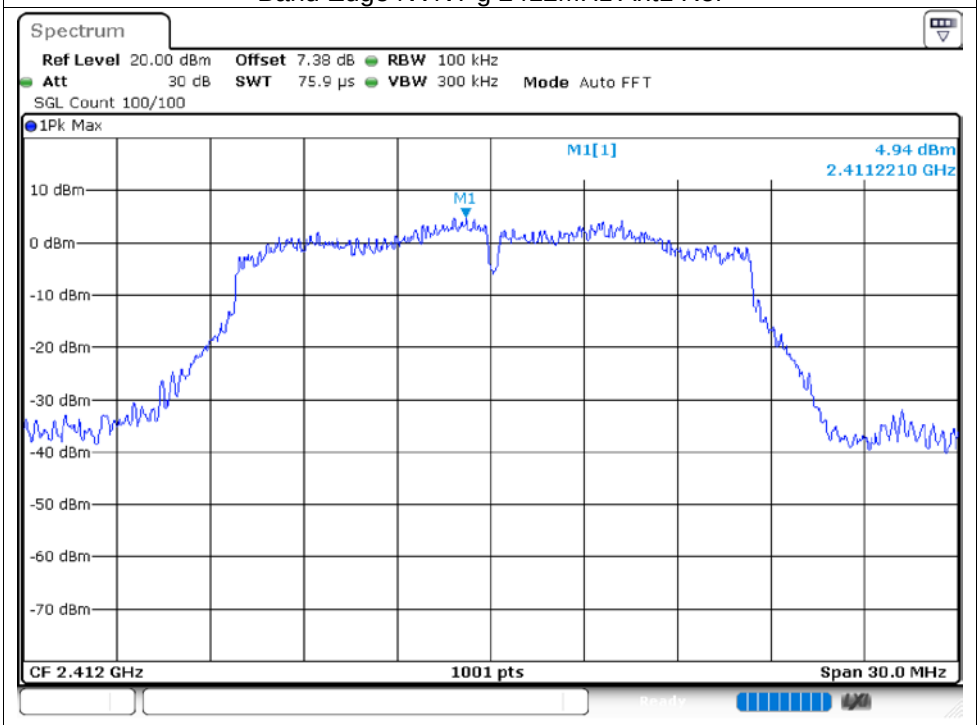
Band Edge NVNT b 2462MHz Ant2 Ref



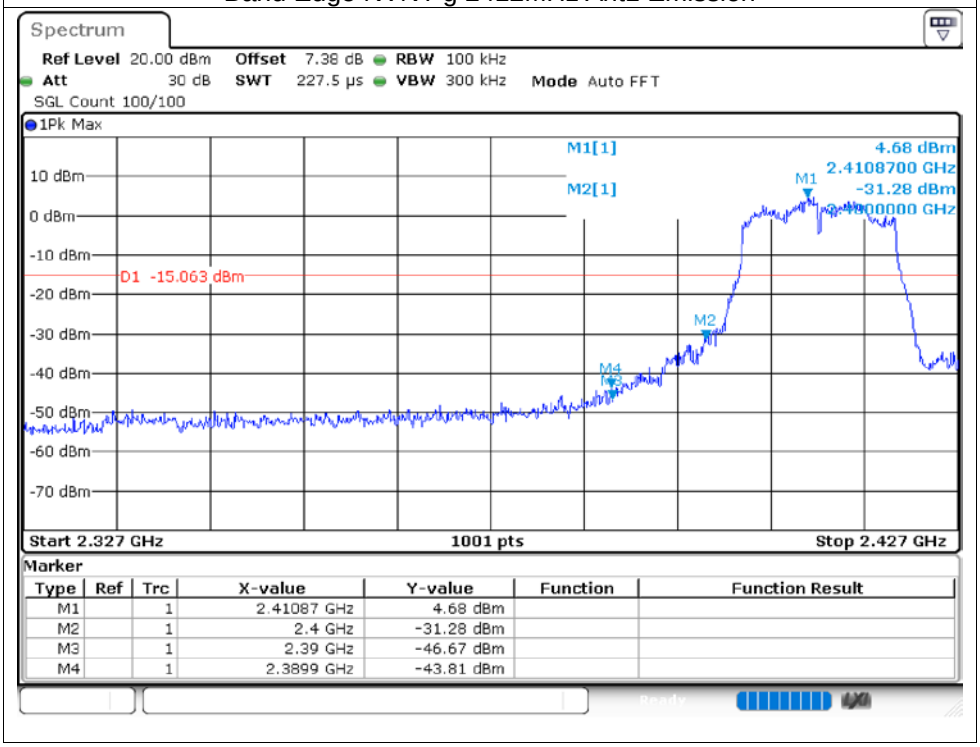
Band Edge NVNT b 2462MHz Ant2 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



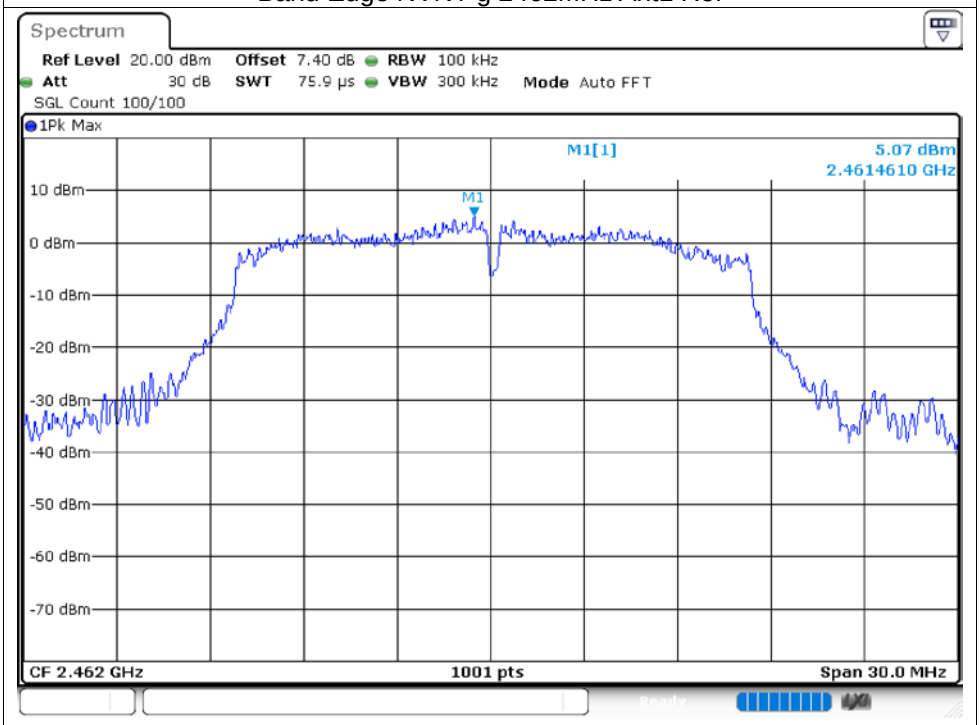
Band Edge NVNT g 2412MHz Ant1 Emission



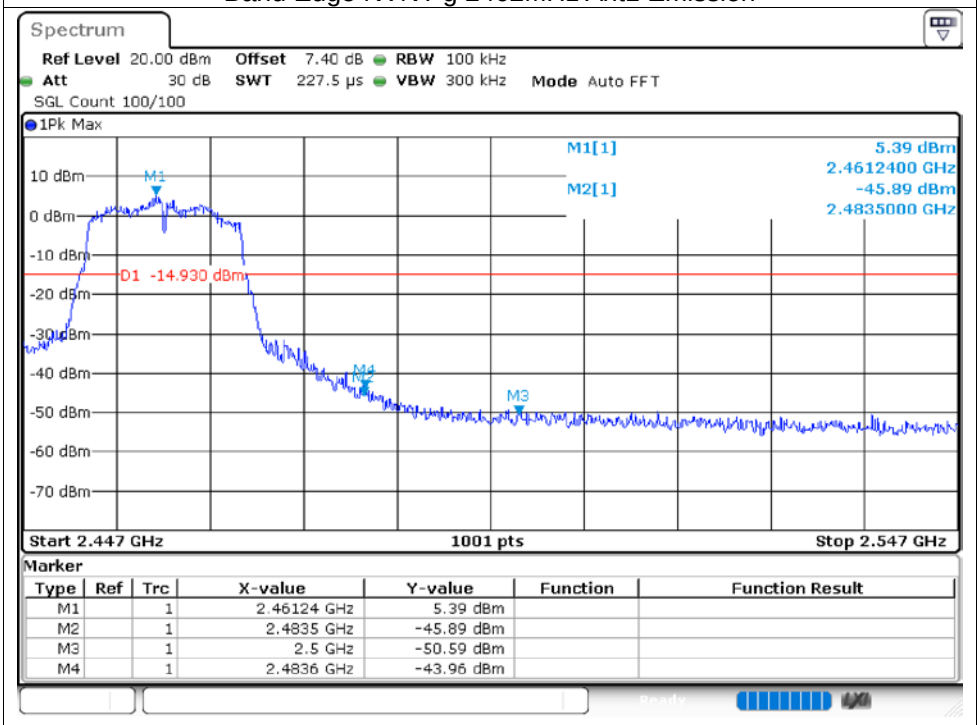
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41087 GHz	4.68 dBm		
M2		1	2.4 GHz	-31.28 dBm		
M3		1	2.39 GHz	-46.67 dBm		
M4		1	2.3899 GHz	-43.81 dBm		

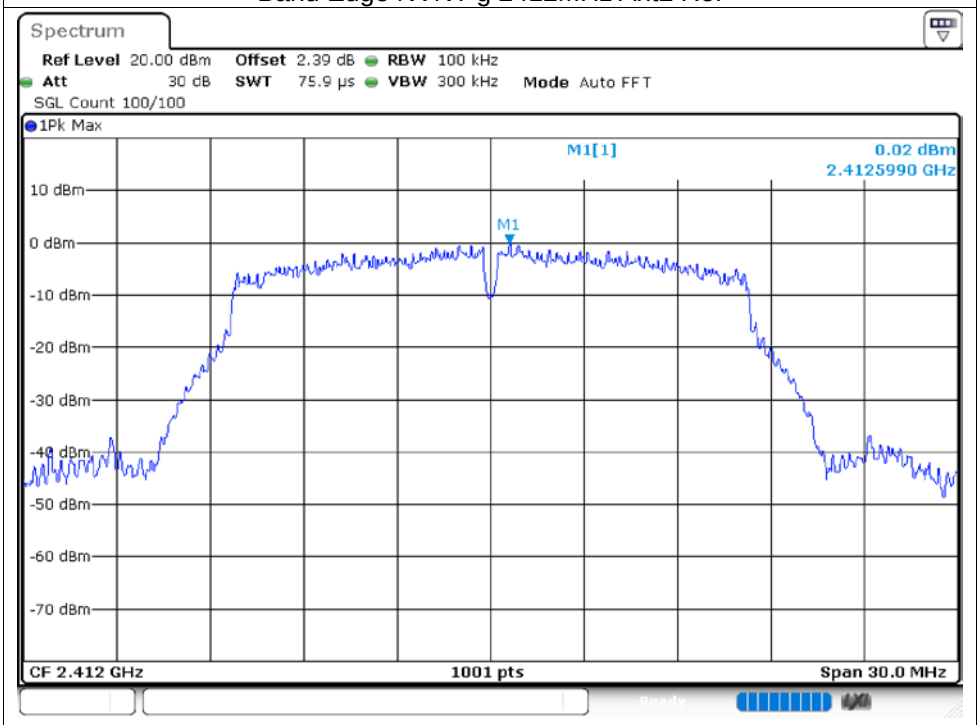
Band Edge NVNT g 2462MHz Ant1 Ref



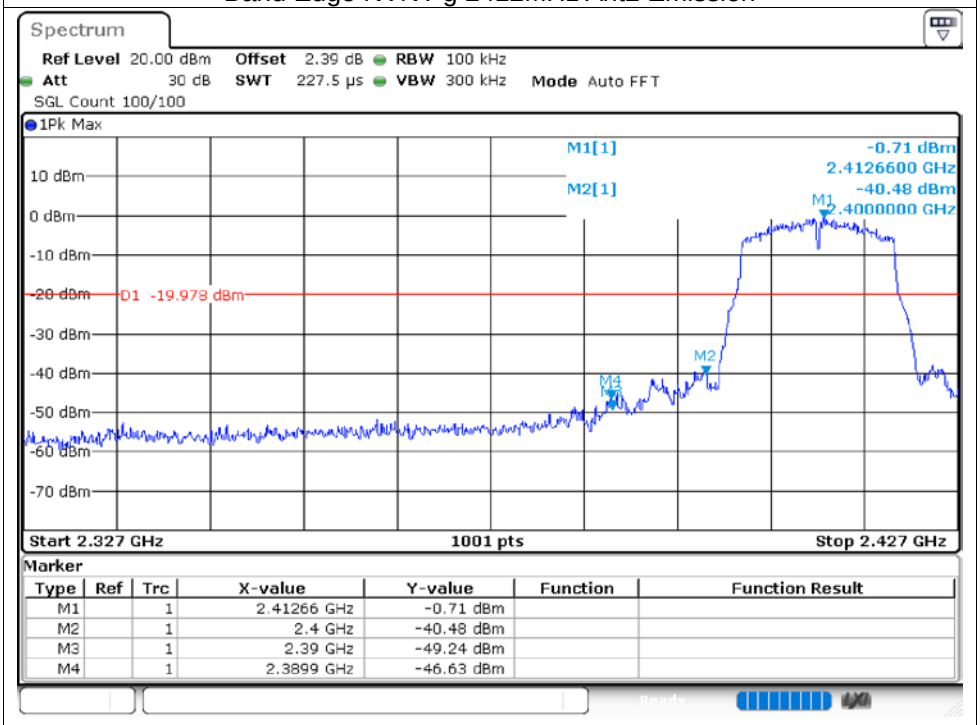
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant2 Ref

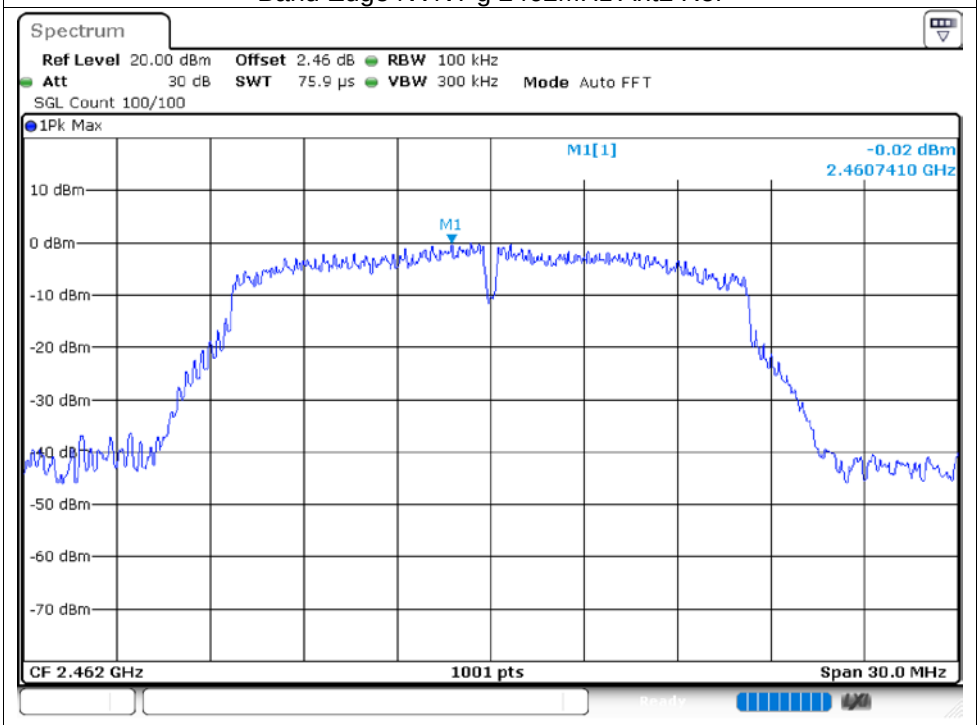


Band Edge NVNT g 2412MHz Ant2 Emission

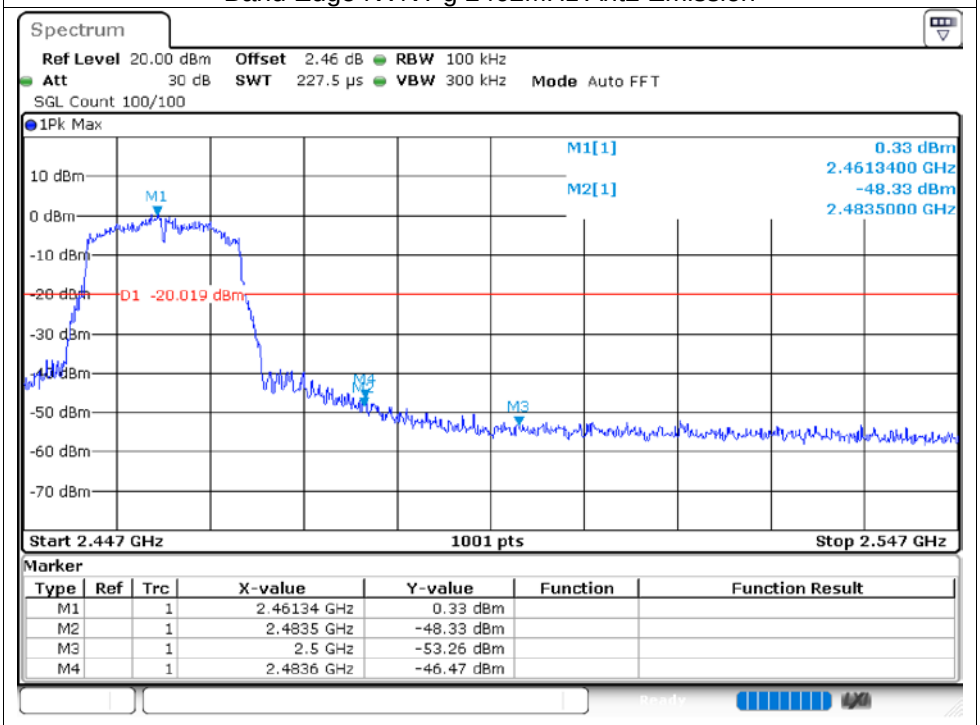


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41266 GHz	-0.71 dBm		
M2		1	2.4 GHz	-40.48 dBm		
M3		1	2.39 GHz	-49.24 dBm		
M4		1	2.3899 GHz	-46.63 dBm		

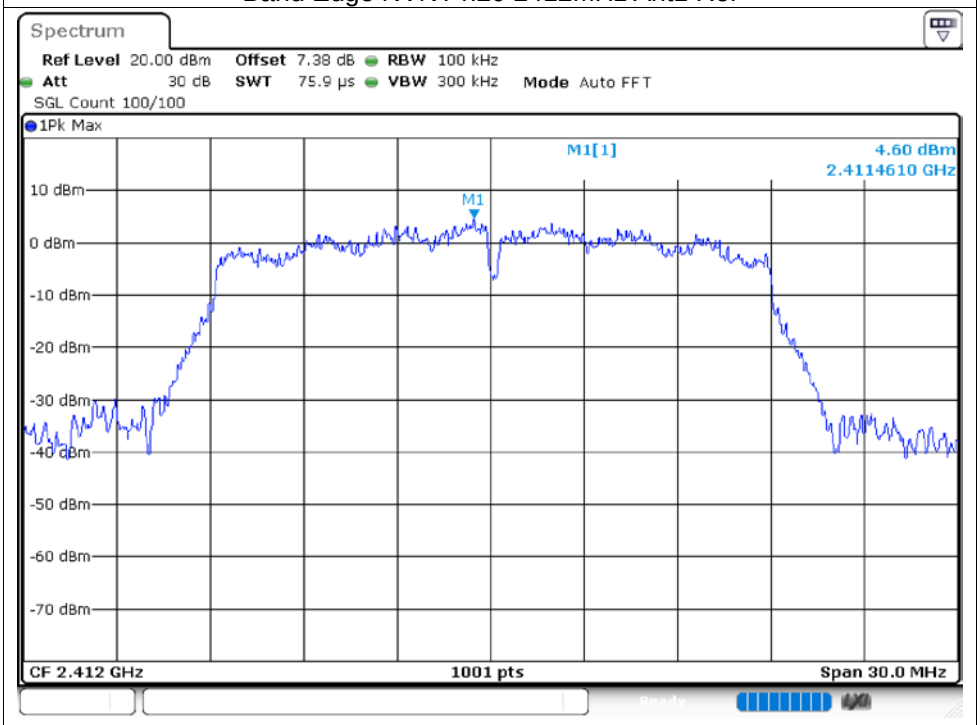
Band Edge NVNT g 2462MHz Ant2 Ref



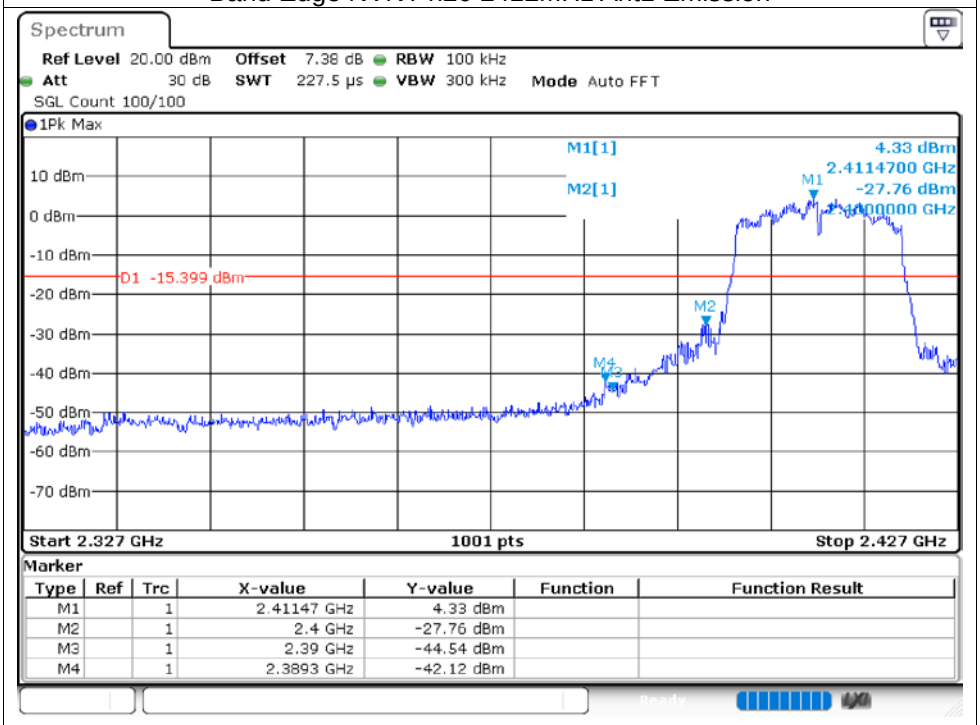
Band Edge NVNT g 2462MHz Ant2 Emission



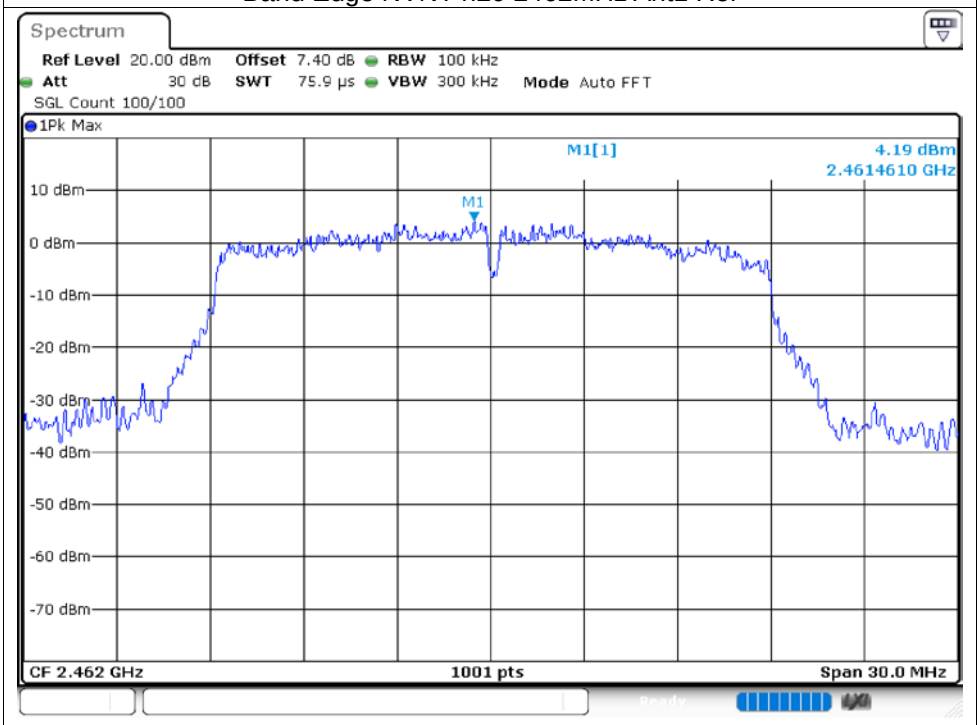
Band Edge NVNT n20 2412MHz Ant1 Ref



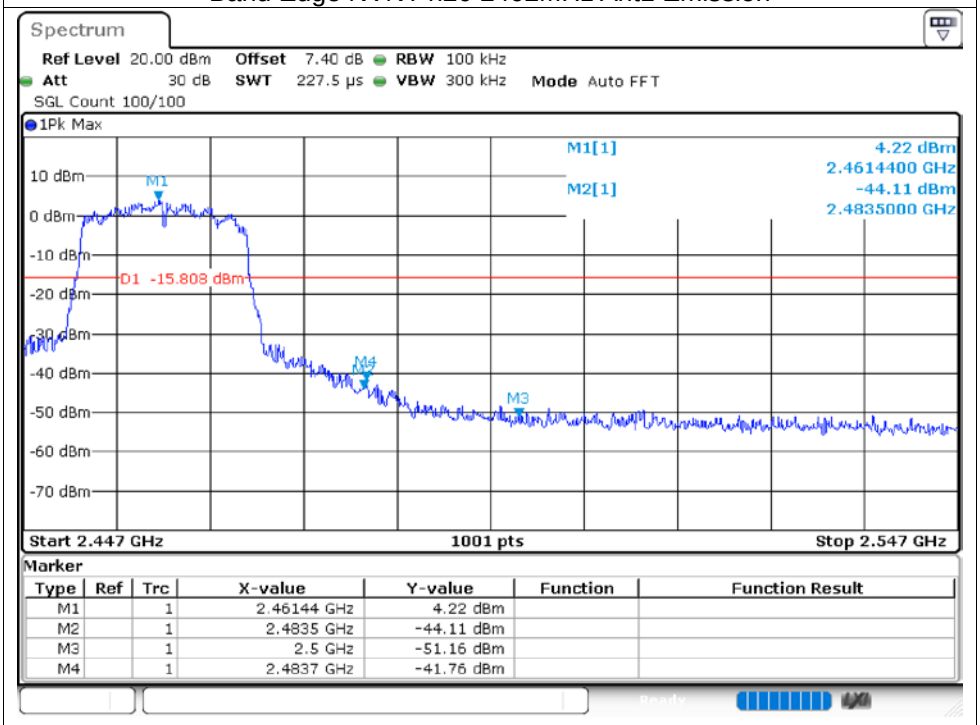
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



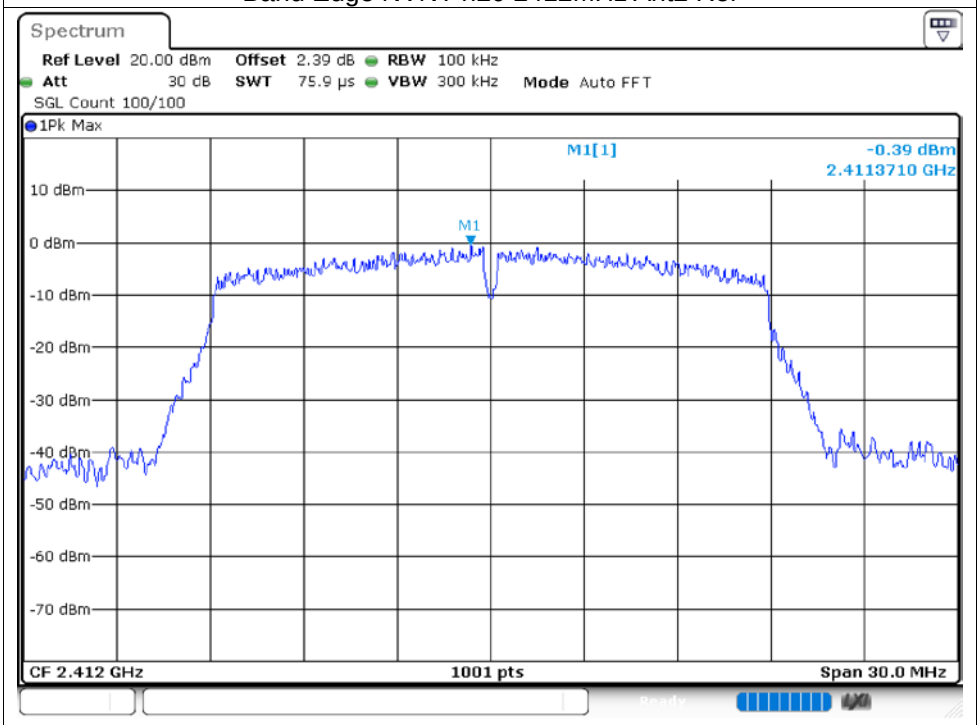
Band Edge NVNT n20 2462MHz Ant1 Emission



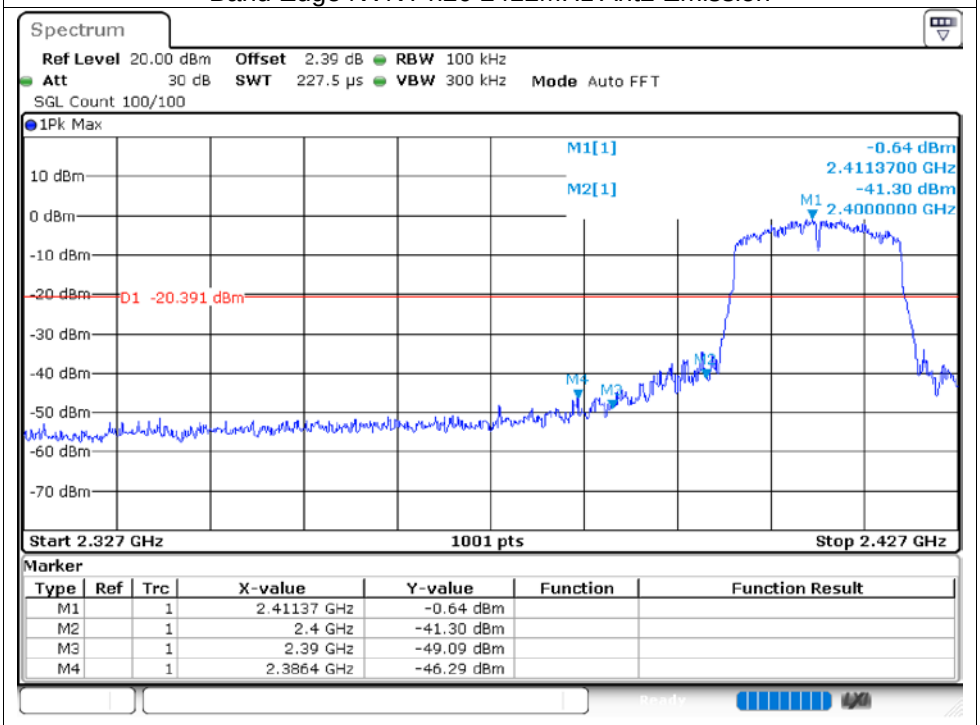
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46144 GHz	4.22 dBm		
M2		1	2.4835 GHz	-44.11 dBm		
M3		1	2.5 GHz	-51.16 dBm		
M4		1	2.4837 GHz	-41.76 dBm		

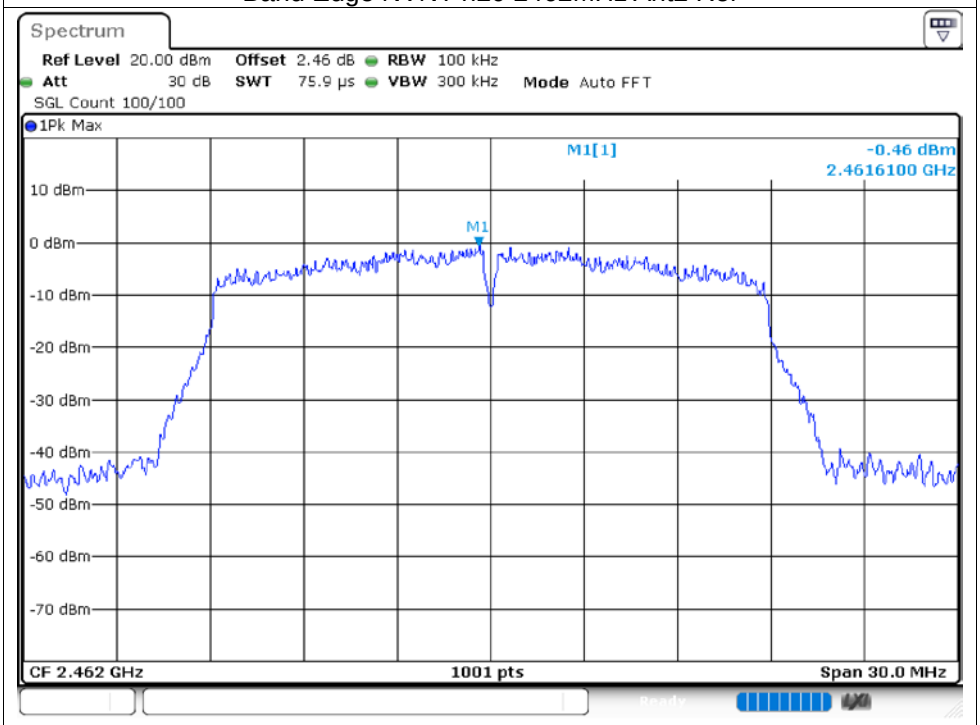
Band Edge NVNT n20 2412MHz Ant2 Ref



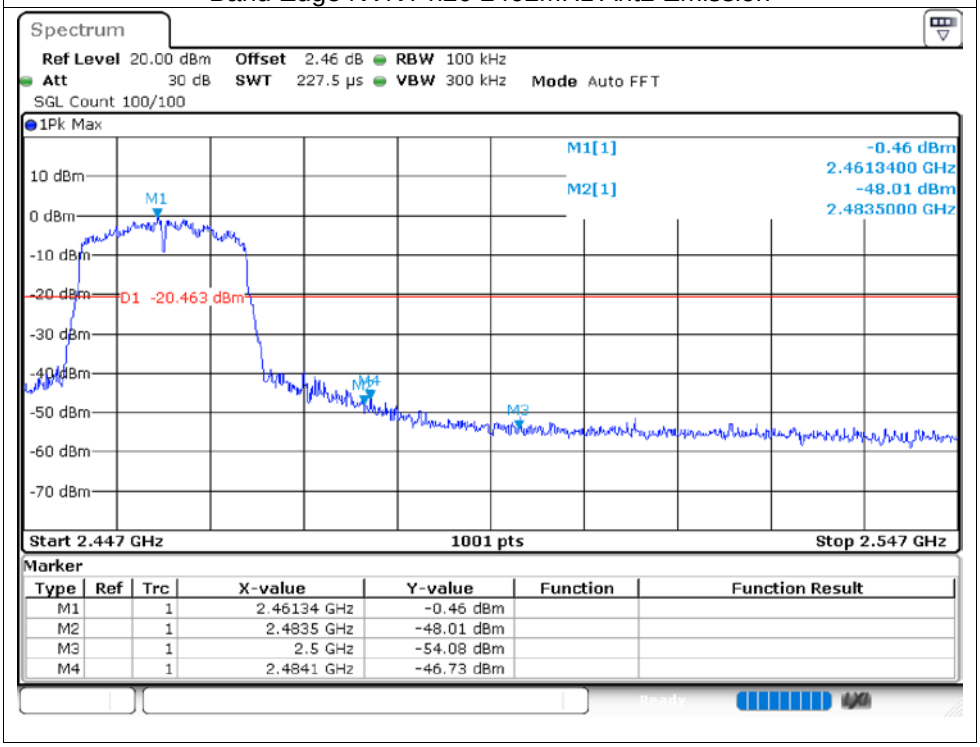
Band Edge NVNT n20 2412MHz Ant2 Emission



Band Edge NVNT n20 2462MHz Ant2 Ref



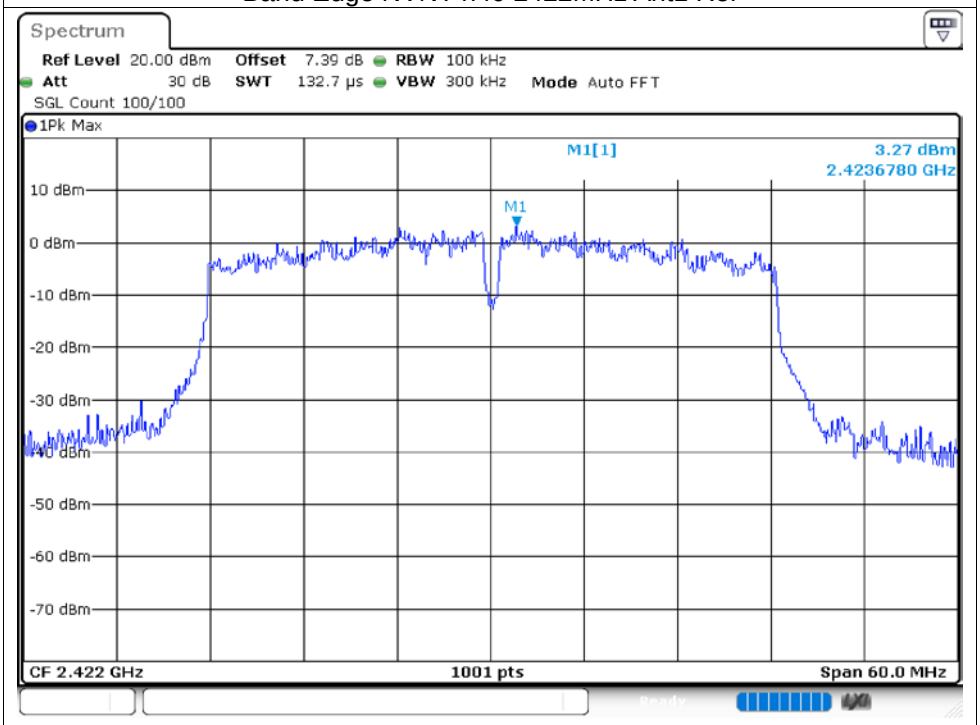
Band Edge NVNT n20 2462MHz Ant2 Emission



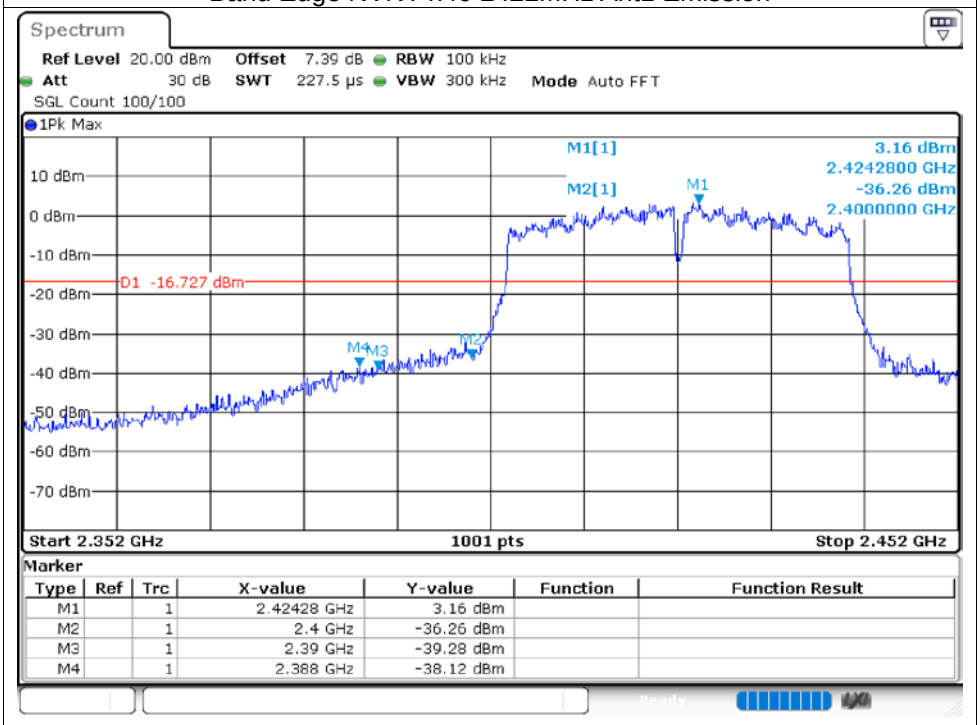
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46134 GHz	-0.46 dBm		
M2		1	2.4835 GHz	-48.01 dBm		
M3		1	2.5 GHz	-54.08 dBm		
M4		1	2.4841 GHz	-46.73 dBm		

Band Edge NVNT n40 2422MHz Ant1 Ref

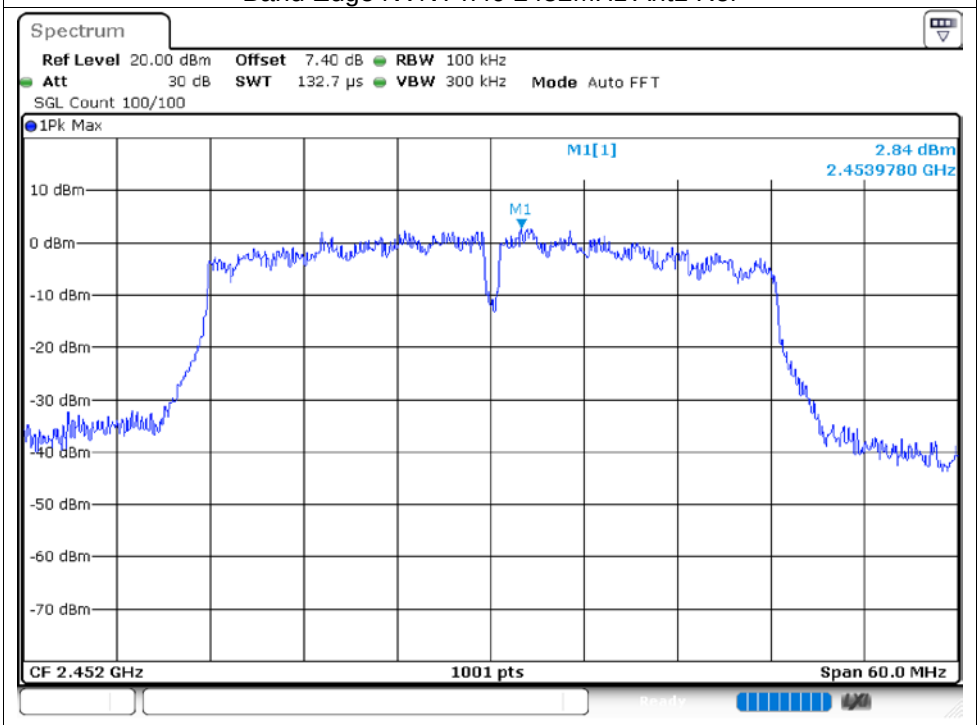


Band Edge NVNT n40 2422MHz Ant1 Emission

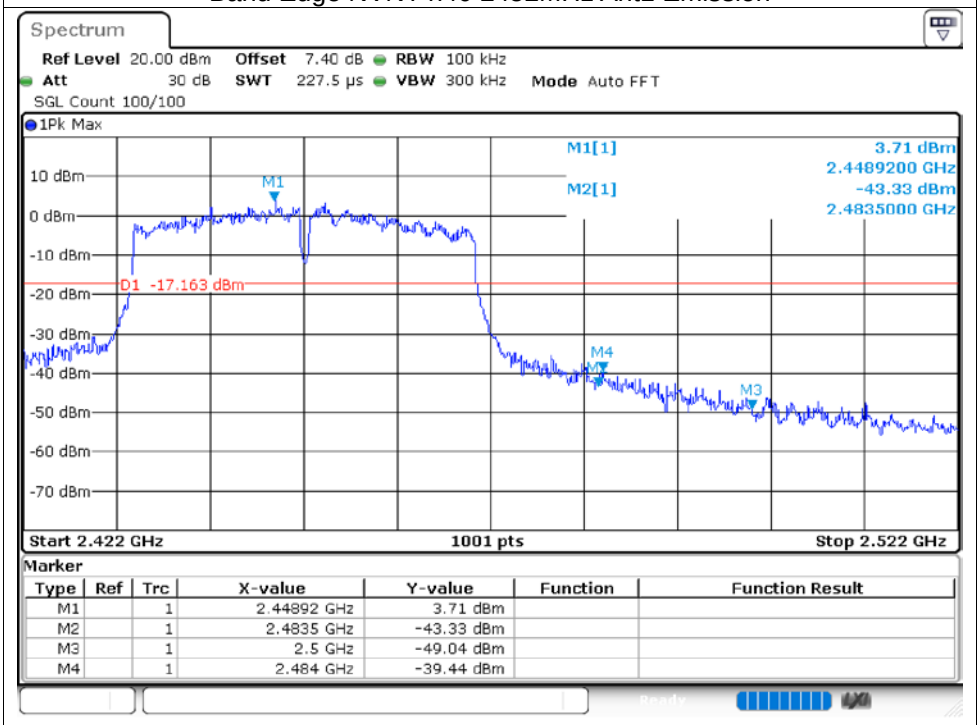


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42428 GHz	3.16 dBm		
M2		1	2.4 GHz	-36.26 dBm		
M3		1	2.39 GHz	-39.28 dBm		
M4		1	2.388 GHz	-38.12 dBm		

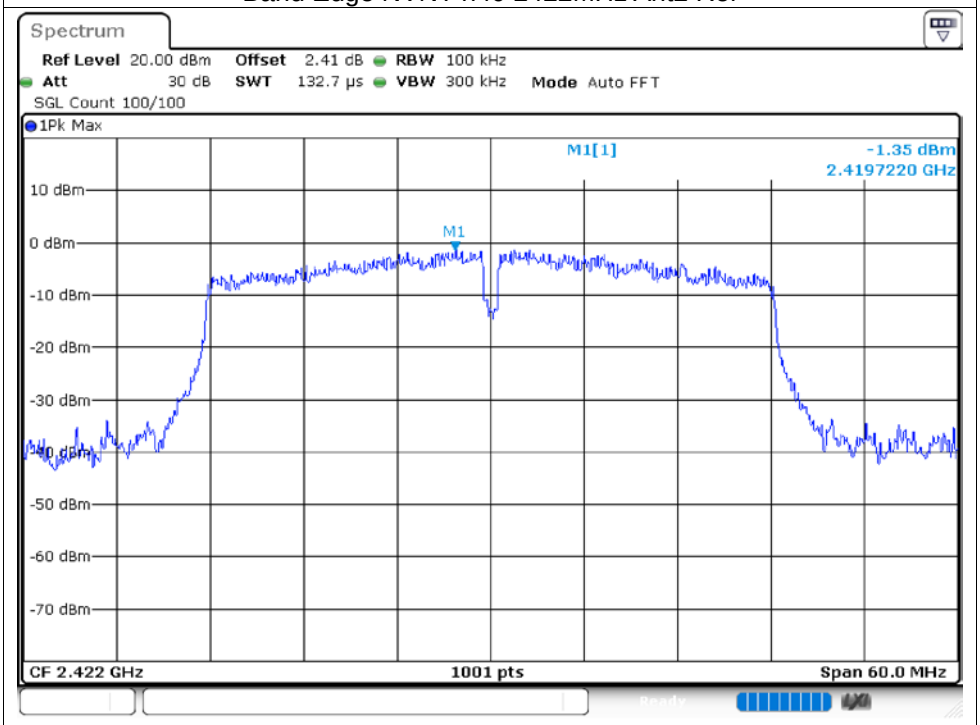
Band Edge NVNT n40 2452MHz Ant1 Ref



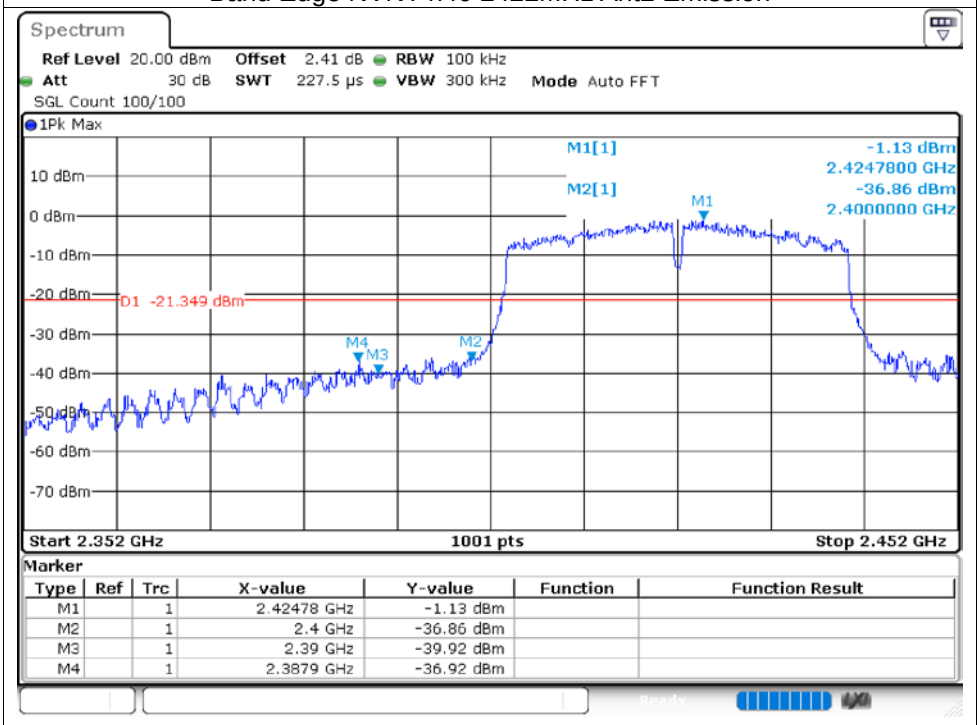
Band Edge NVNT n40 2452MHz Ant1 Emission



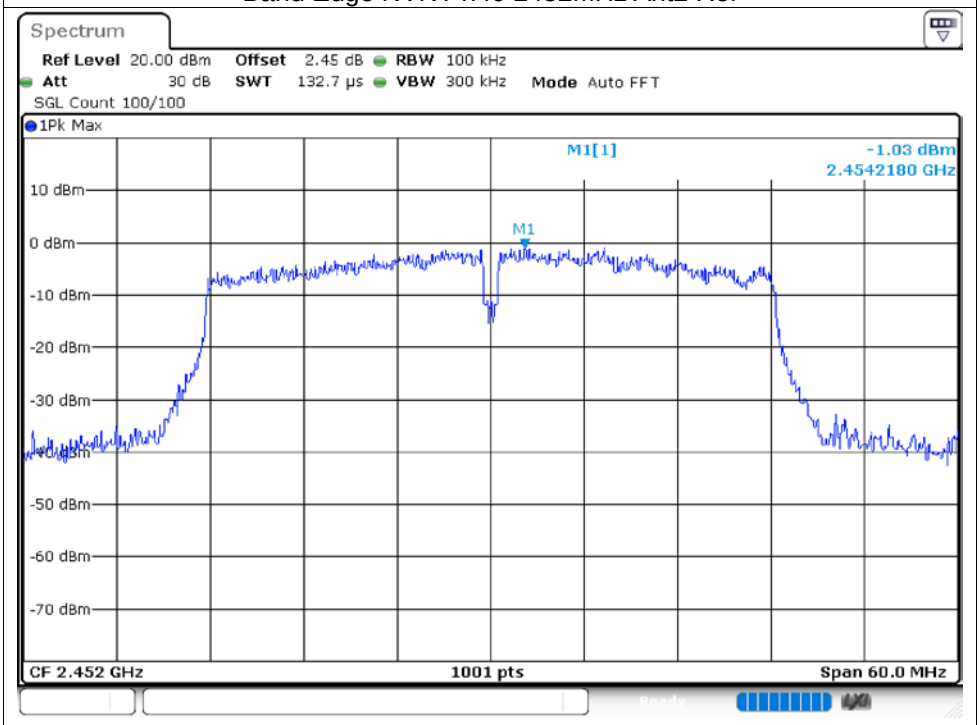
Band Edge NVNT n40 2422MHz Ant2 Ref



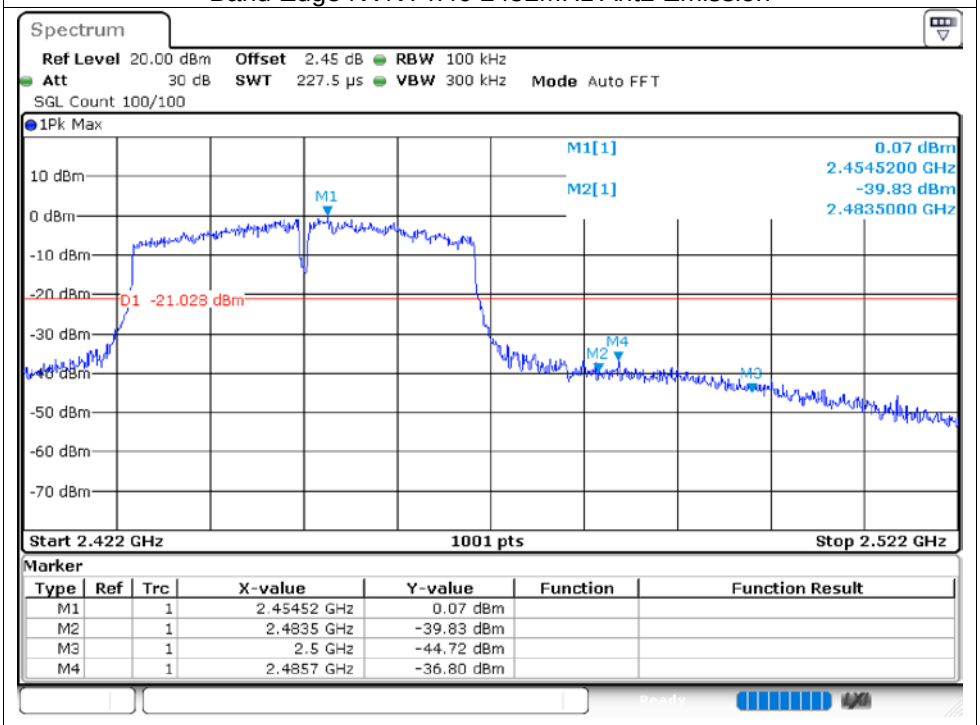
Band Edge NVNT n40 2422MHz Ant2 Emission



Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission



Marker

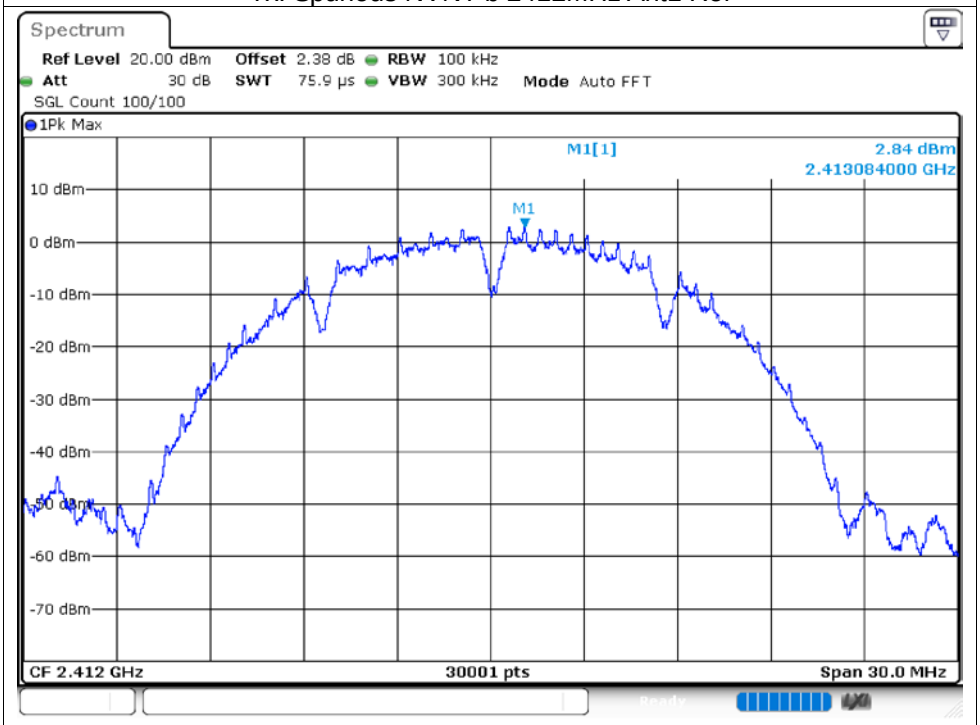
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45452 GHz	0.07 dBm		
M2		1	2.4835 GHz	-39.83 dBm		
M3		1	2.5 GHz	-44.72 dBm		
M4		1	2.4857 GHz	-36.80 dBm		

8.7 CONDUCTED RF SPURIOUS EMISSION

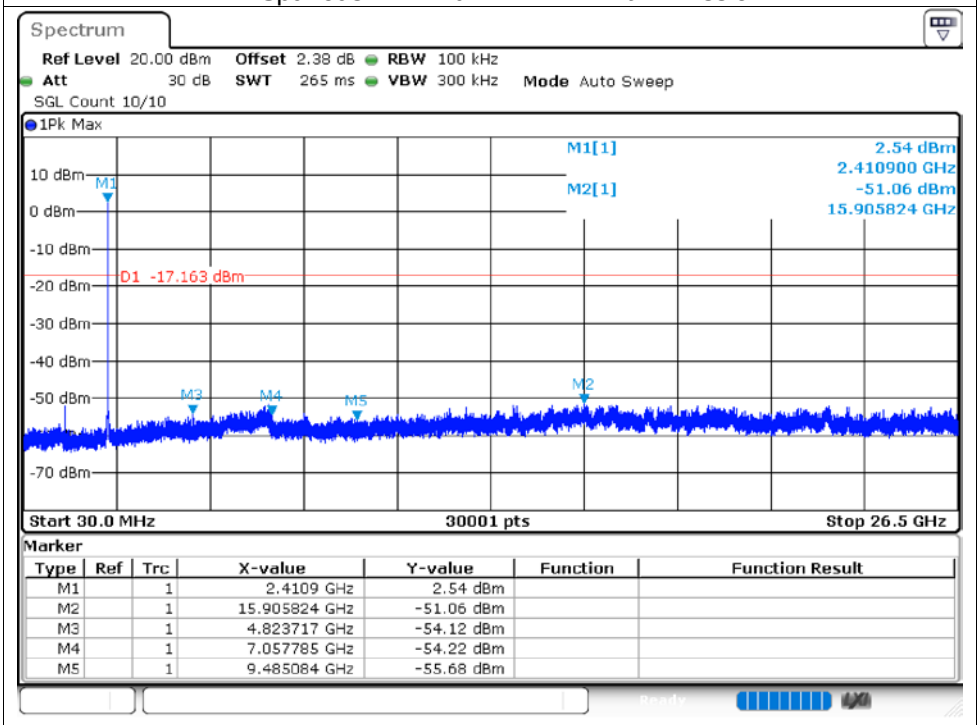
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-53.9	-20	Pass
NVNT	b	2437	Ant1	-54.76	-20	Pass
NVNT	b	2462	Ant1	-55.54	-20	Pass
NVNT	b	2412	Ant2	-51.53	-20	Pass
NVNT	b	2437	Ant2	-54.5	-20	Pass
NVNT	b	2462	Ant2	-56.26	-20	Pass
NVNT	g	2412	Ant1	-50.6	-20	Pass
NVNT	g	2437	Ant1	-50.78	-20	Pass
NVNT	g	2462	Ant1	-51.05	-20	Pass
NVNT	g	2412	Ant2	-50.22	-20	Pass
NVNT	g	2437	Ant2	-51.02	-20	Pass
NVNT	g	2462	Ant2	-49.8	-20	Pass
NVNT	n20	2412	Ant1	-50.06	-20	Pass
NVNT	n20	2437	Ant1	-50.42	-20	Pass
NVNT	n20	2462	Ant1	-49.67	-20	Pass
NVNT	n20	2412	Ant2	-50.64	-20	Pass
NVNT	n20	2437	Ant2	-51.24	-20	Pass
NVNT	n20	2462	Ant2	-49.33	-20	Pass
NVNT	n40	2422	Ant1	-49.47	-20	Pass
NVNT	n40	2437	Ant1	-48.52	-20	Pass
NVNT	n40	2452	Ant1	-48.96	-20	Pass
NVNT	n40	2422	Ant2	-49.58	-20	Pass
NVNT	n40	2437	Ant2	-50.22	-20	Pass
NVNT	n40	2452	Ant2	-49.89	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



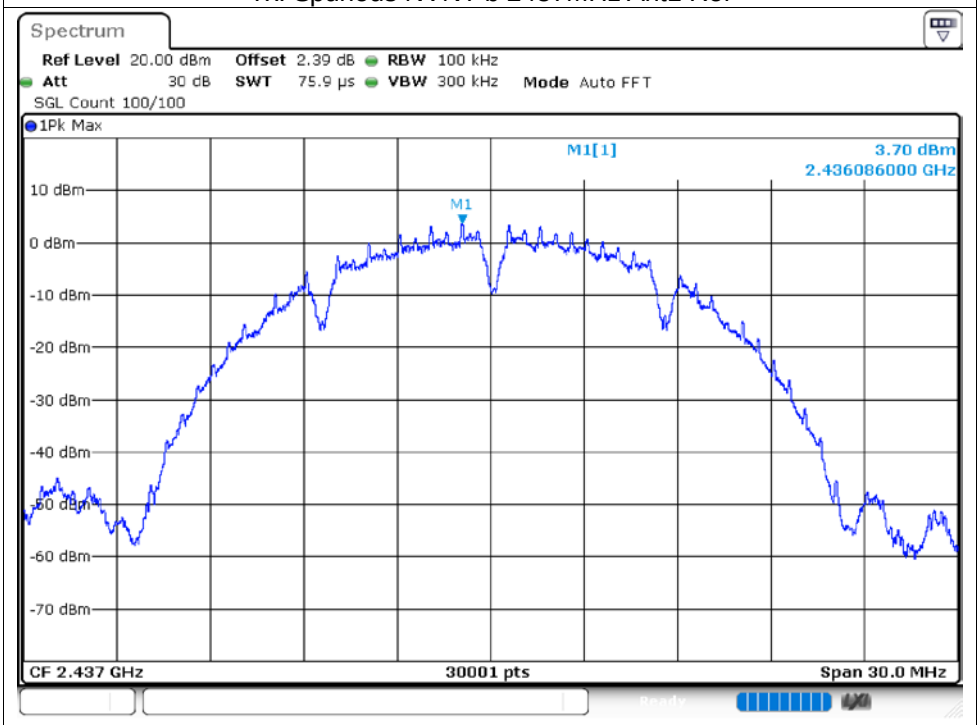
Tx. Spurious NVNT b 2412MHz Ant1 Emission



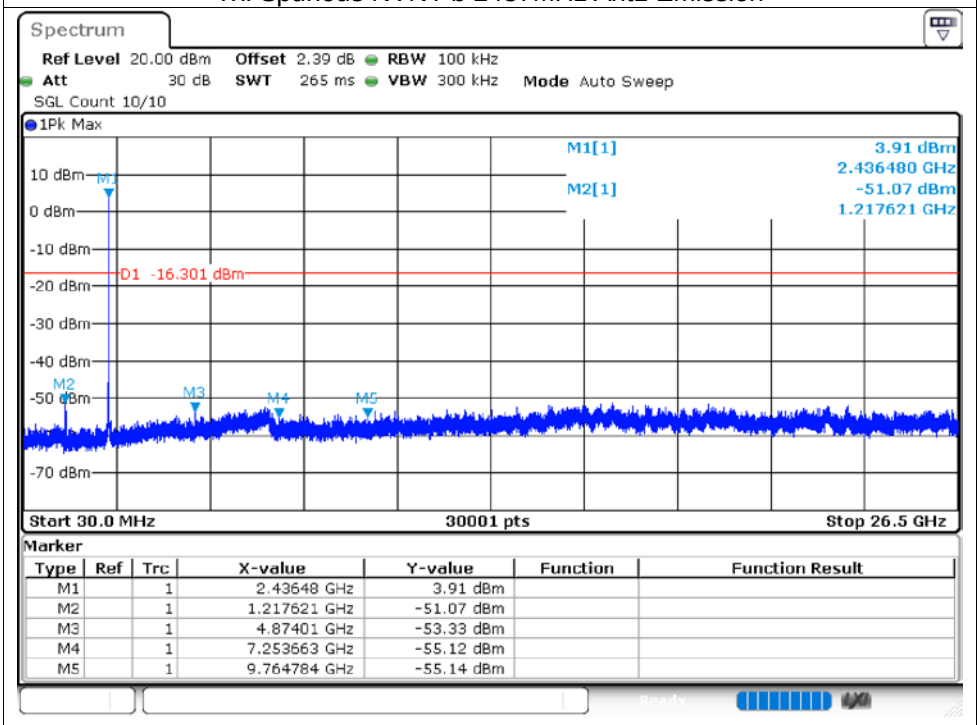
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4109 GHz	2.54 dBm		
M2		1	15.905824 GHz	-51.06 dBm		
M3		1	4.823717 GHz	-54.12 dBm		
M4		1	7.057785 GHz	-54.22 dBm		
M5		1	9.485084 GHz	-55.68 dBm		

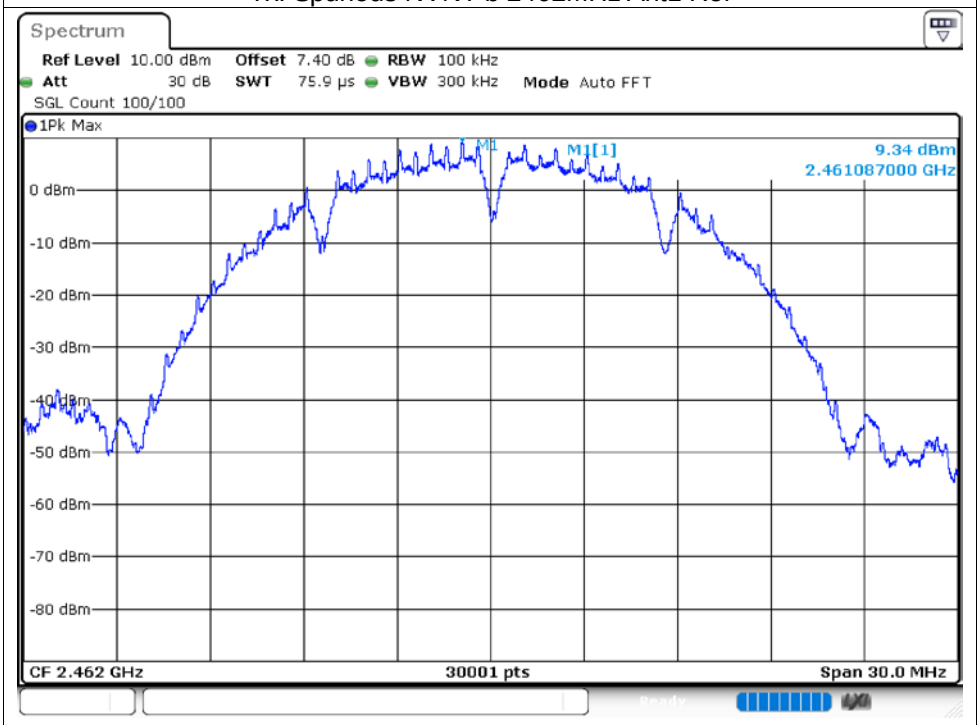
Tx. Spurious NVNT b 2437MHz Ant1 Ref



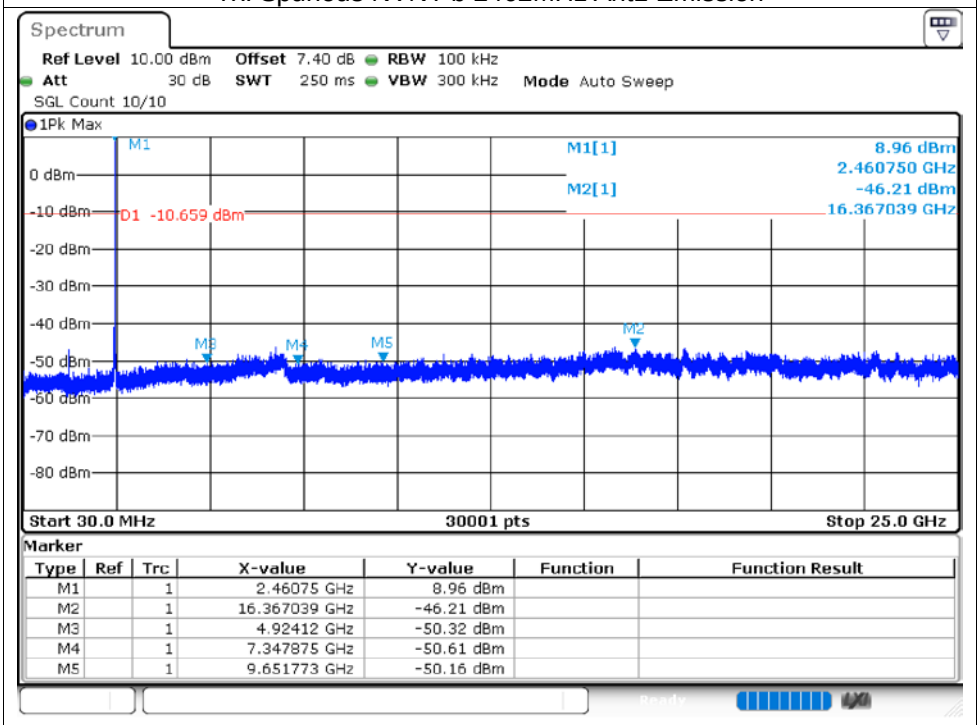
Tx. Spurious NVNT b 2437MHz Ant1 Emission



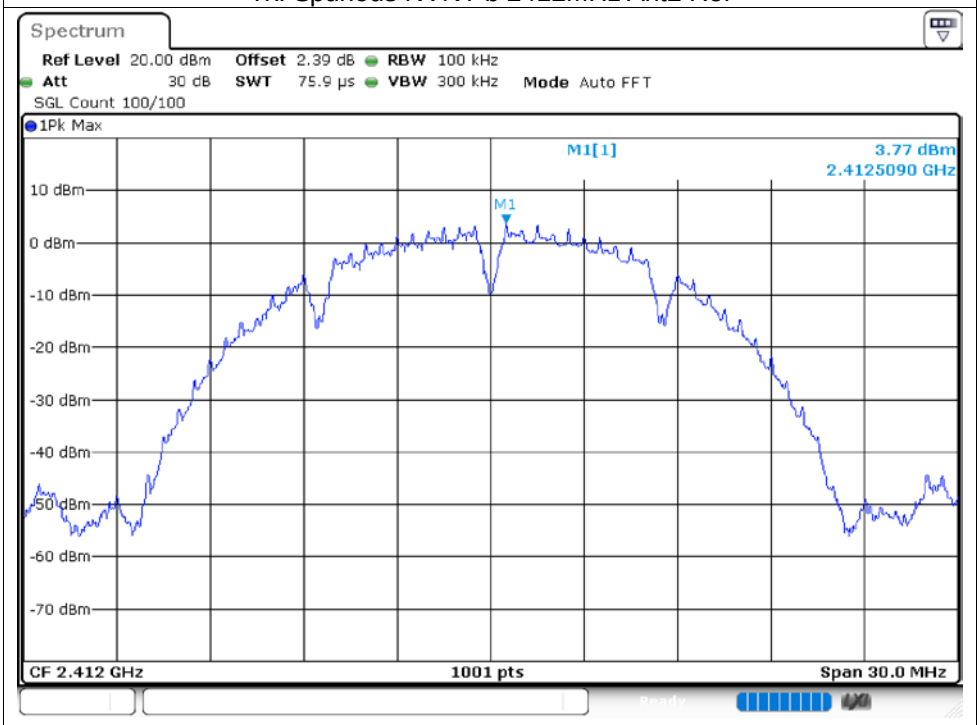
Tx. Spurious NVNT b 2462MHz Ant1 Ref



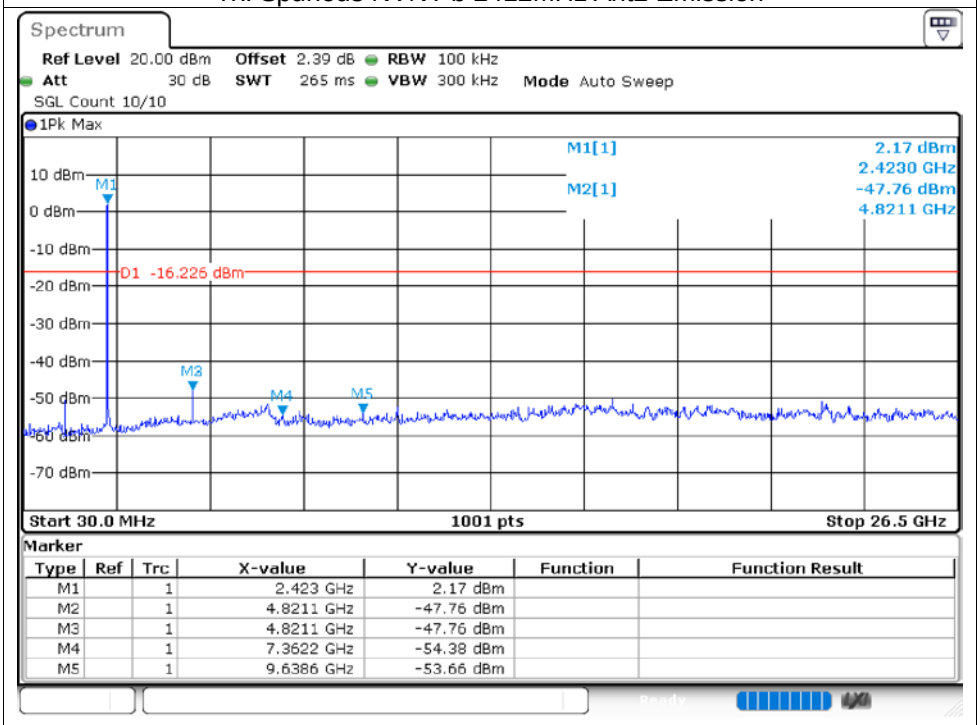
Tx. Spurious NVNT b 2462MHz Ant1 Emission



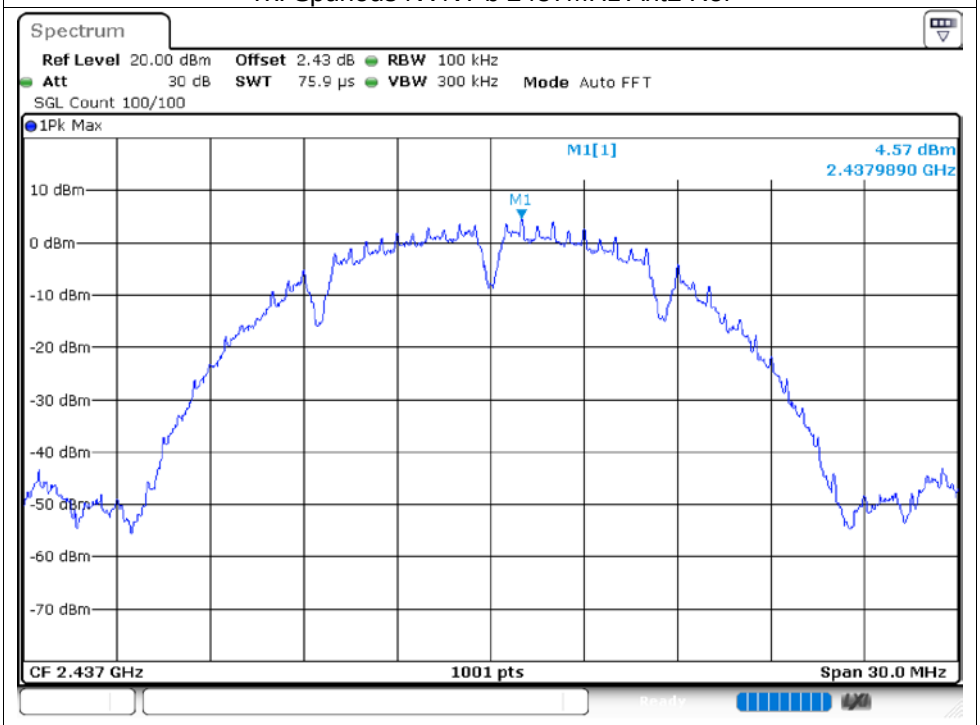
Tx. Spurious NVNT b 2412MHz Ant2 Ref



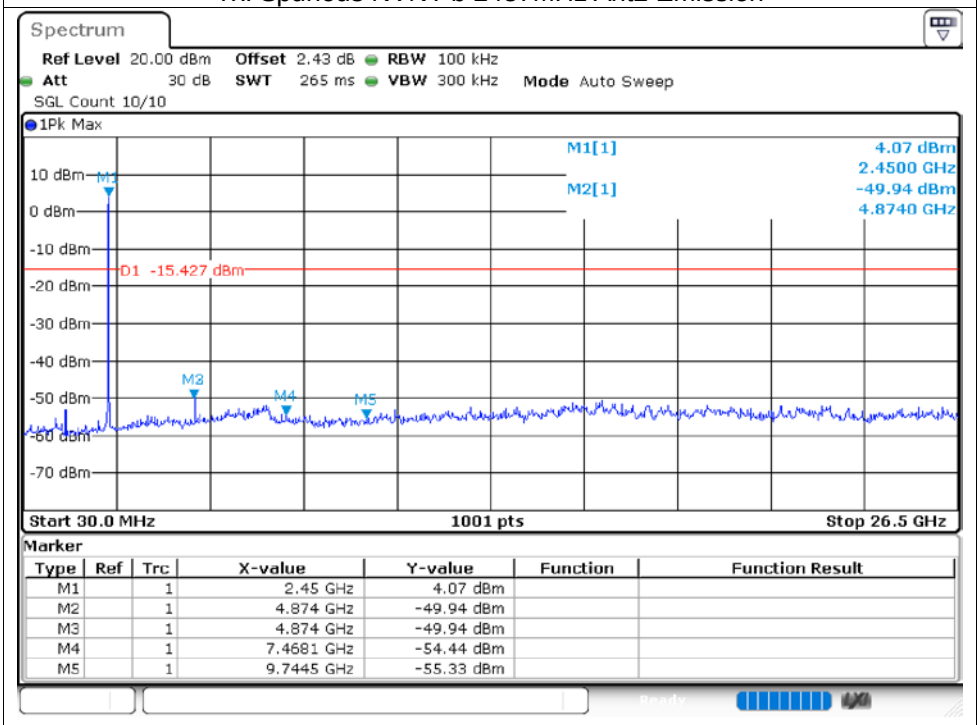
Tx. Spurious NVNT b 2412MHz Ant2 Emission



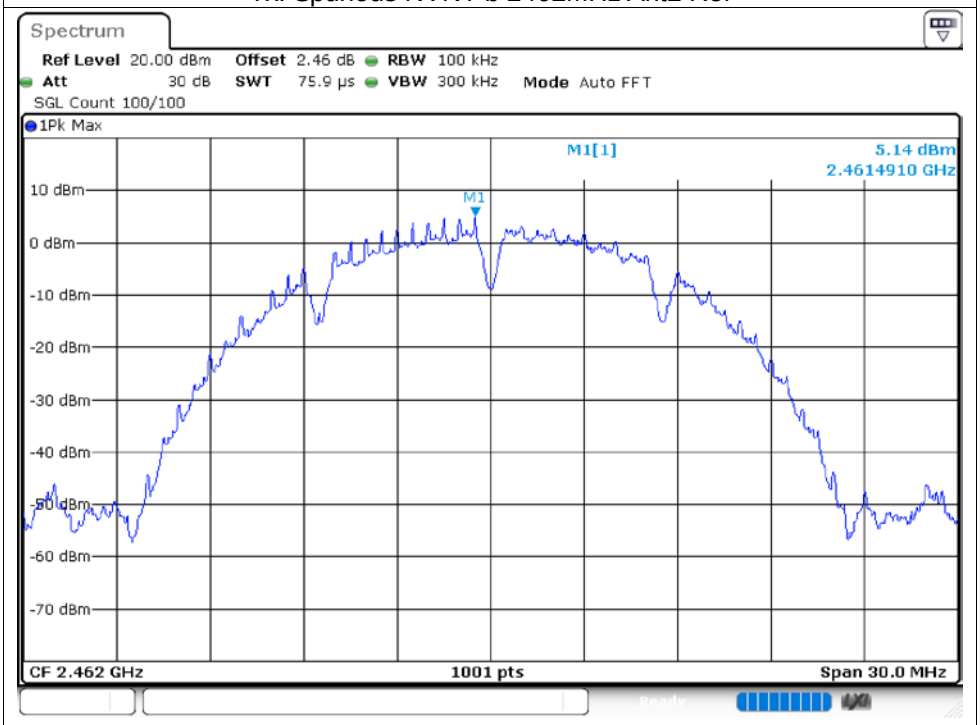
Tx. Spurious NVNT b 2437MHz Ant2 Ref



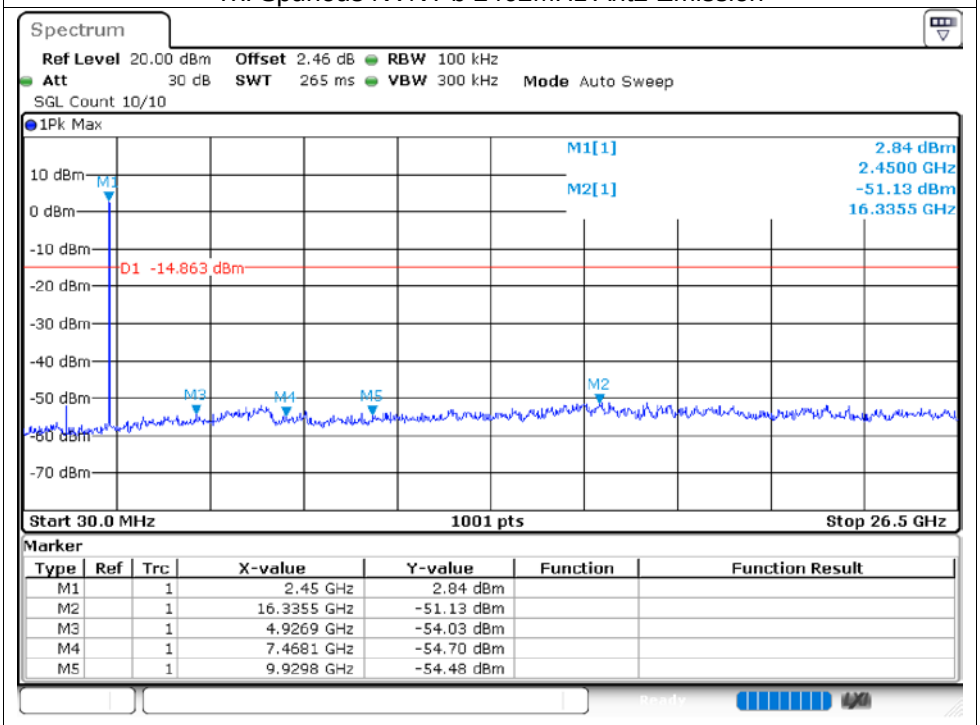
Tx. Spurious NVNT b 2437MHz Ant2 Emission



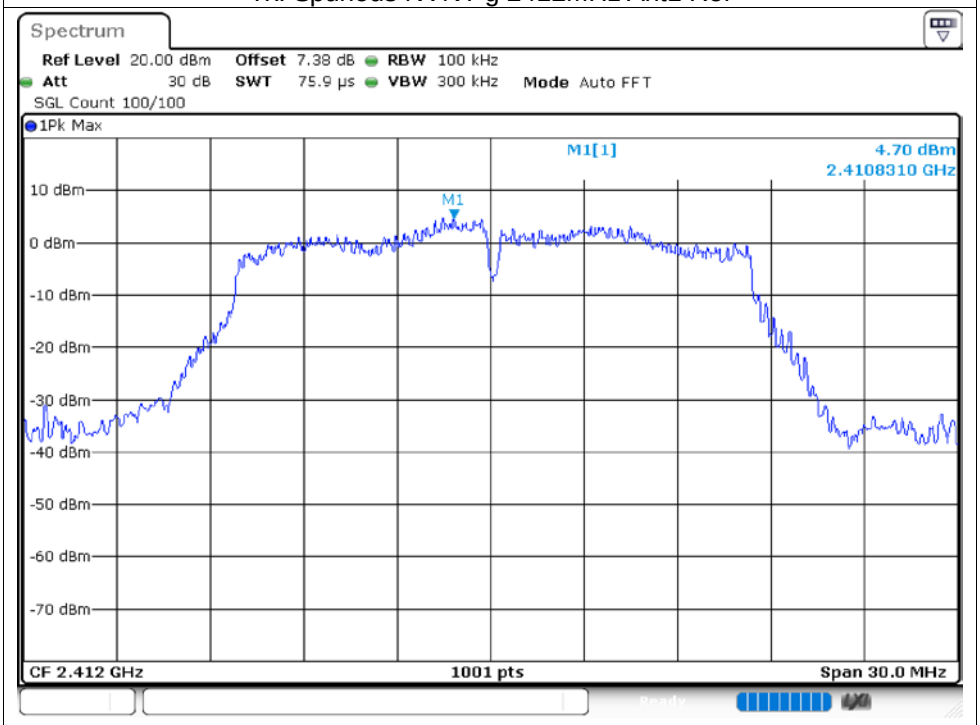
Tx. Spurious NVNT b 2462MHz Ant2 Ref



Tx. Spurious NVNT b 2462MHz Ant2 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



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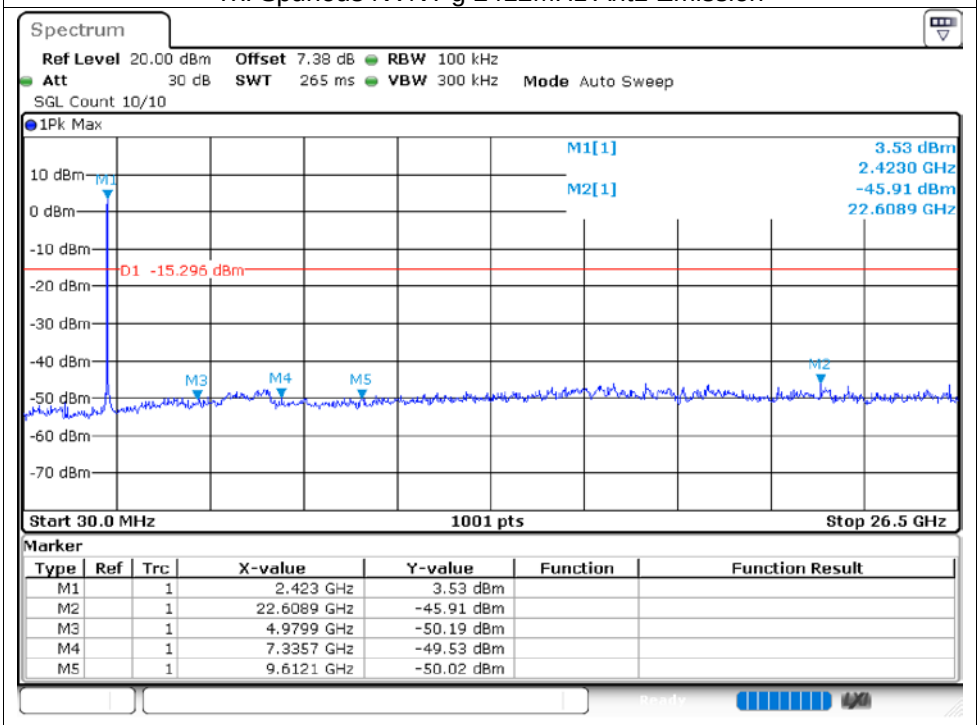

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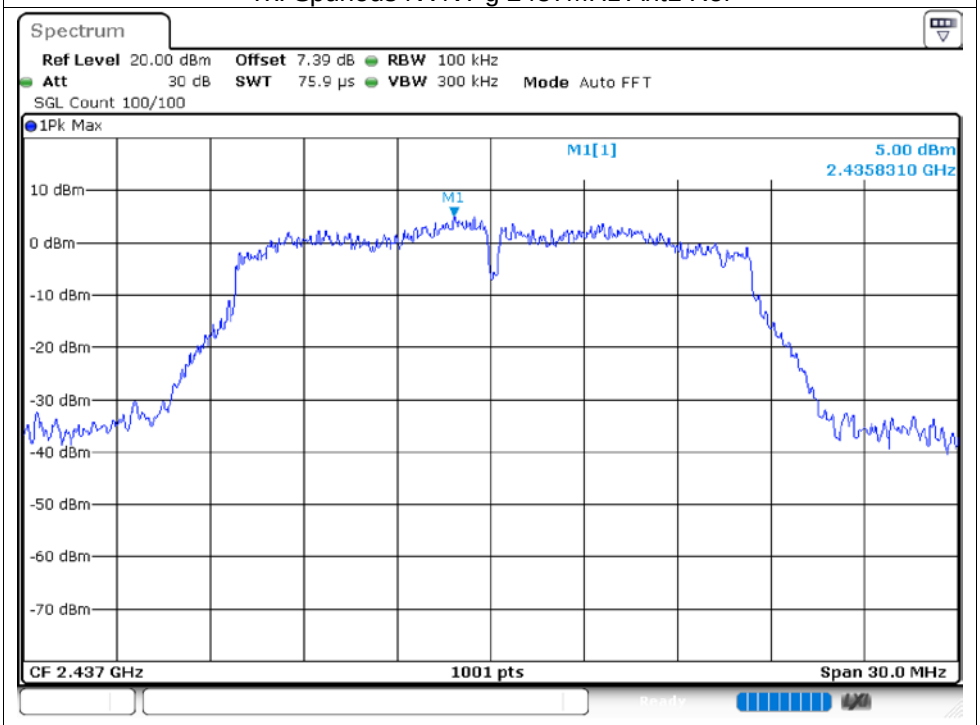

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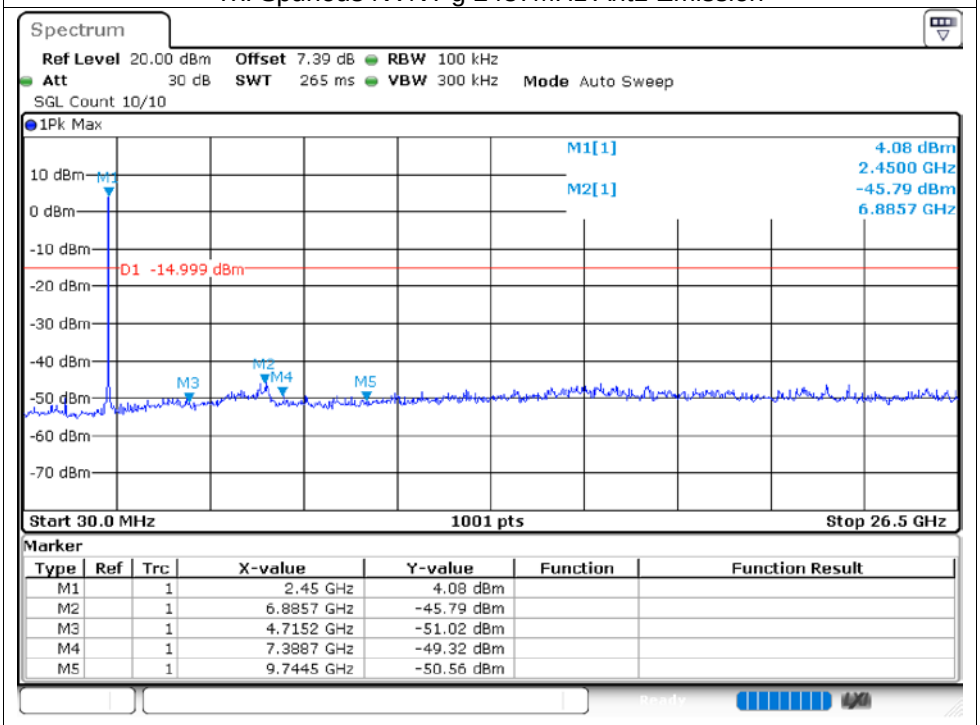
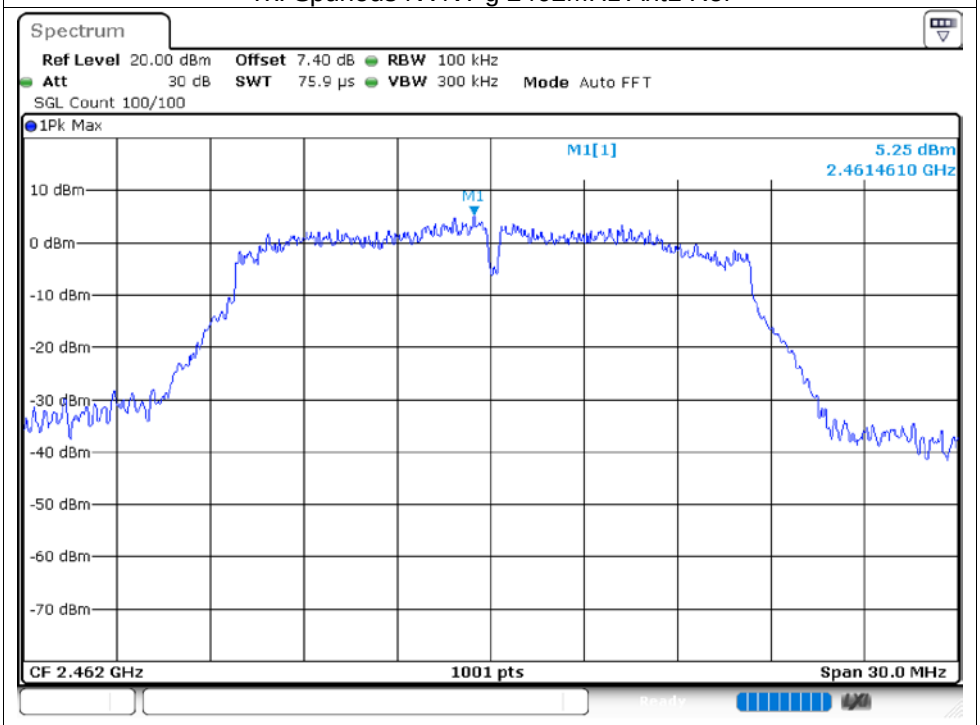
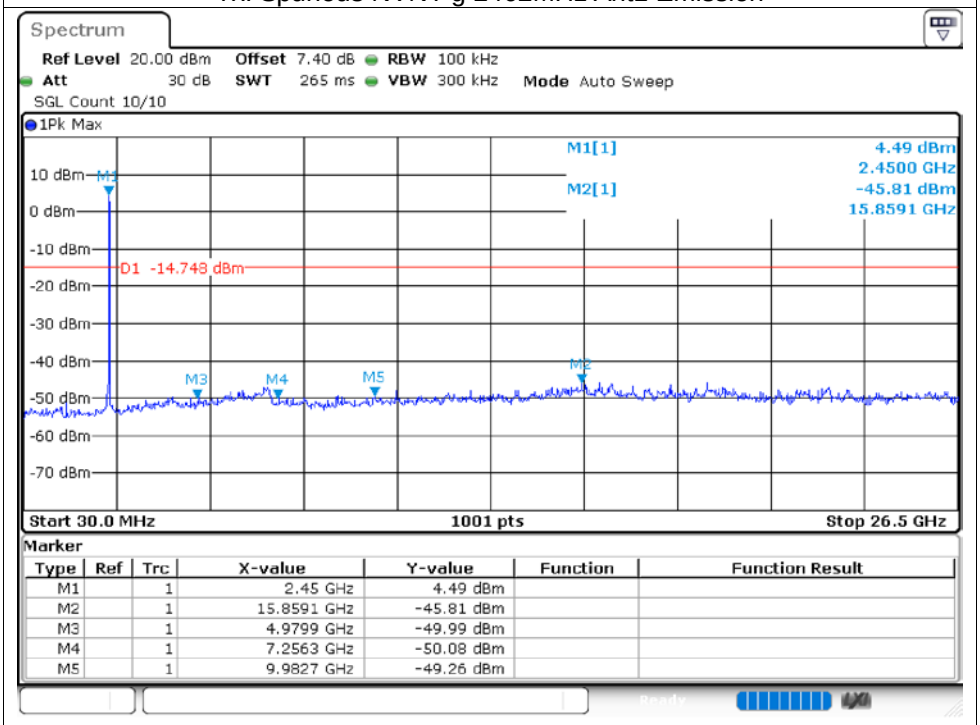


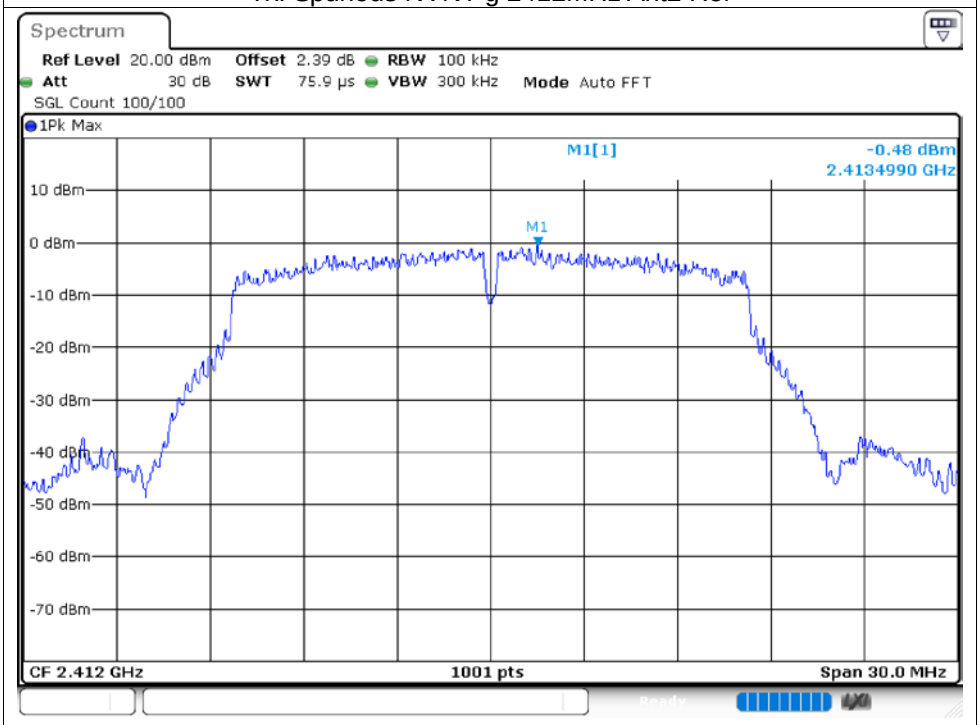
Tx. Spurious NVNT g 2462MHz Ant1 Ref



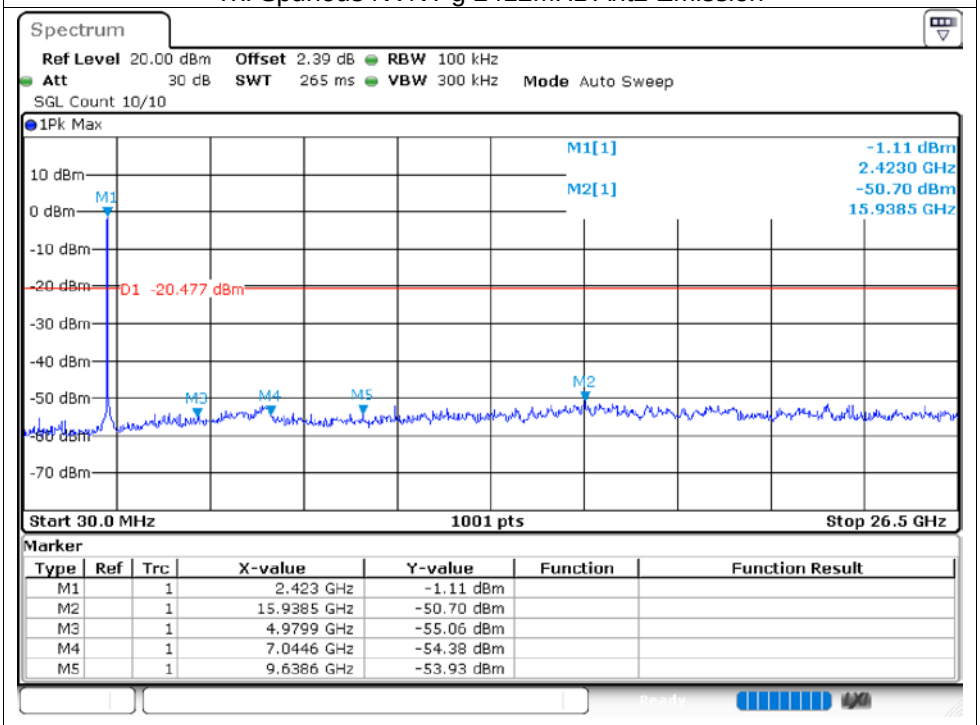
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant2 Ref



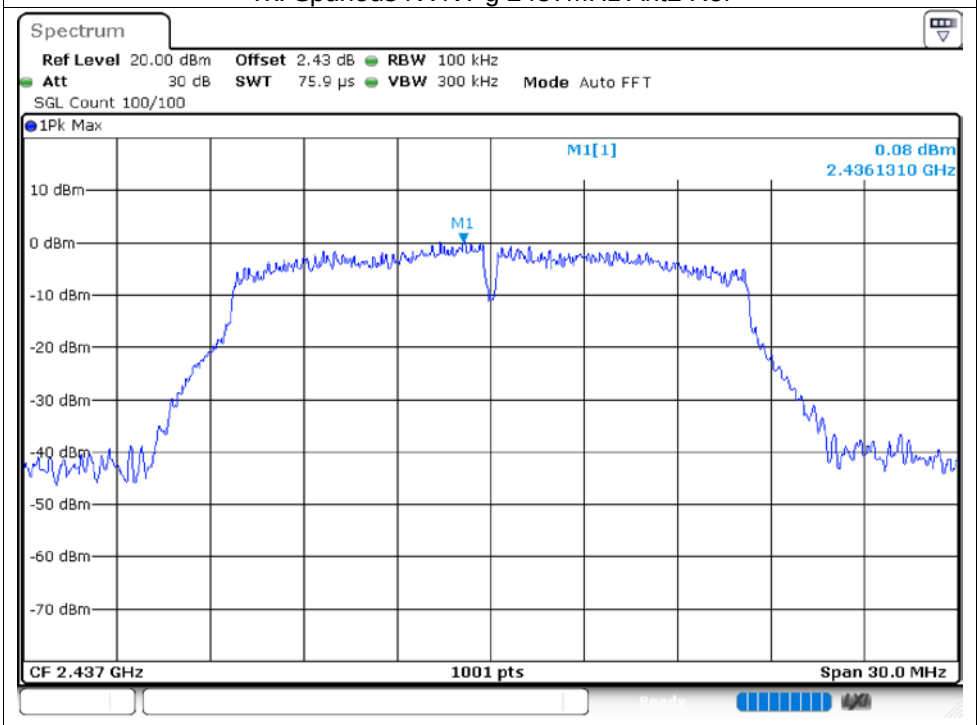
Tx. Spurious NVNT g 2412MHz Ant2 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-1.11 dBm		
M2		1	15.9385 GHz	-50.70 dBm		
M3		1	4.9799 GHz	-55.06 dBm		
M4		1	7.0446 GHz	-54.38 dBm		
M5		1	9.6386 GHz	-53.93 dBm		

Tx. Spurious NVNT g 2437MHz Ant2 Ref



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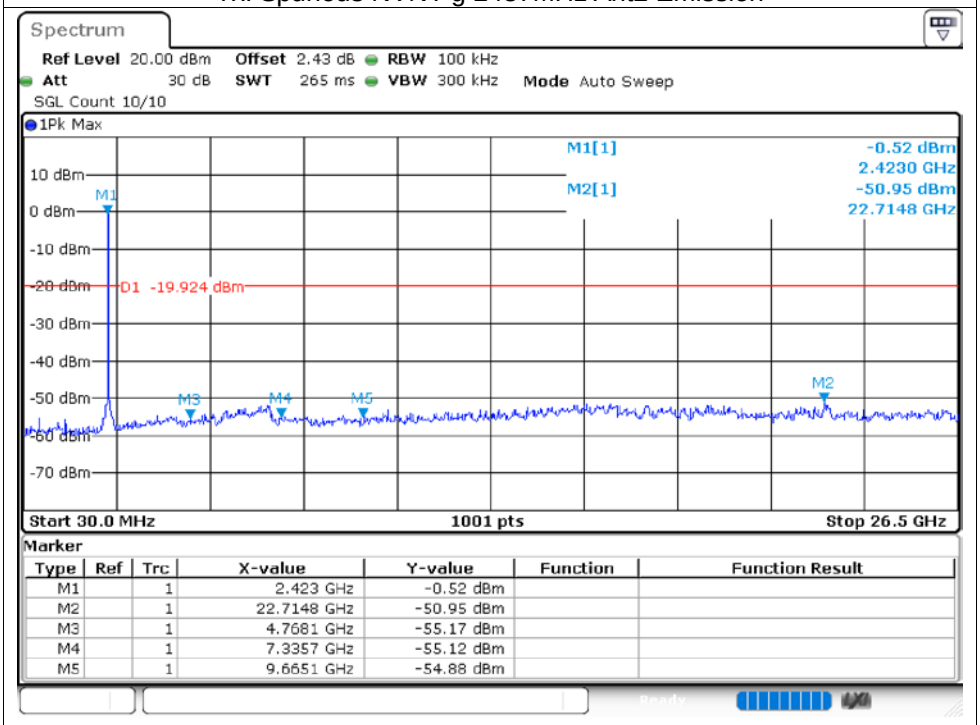
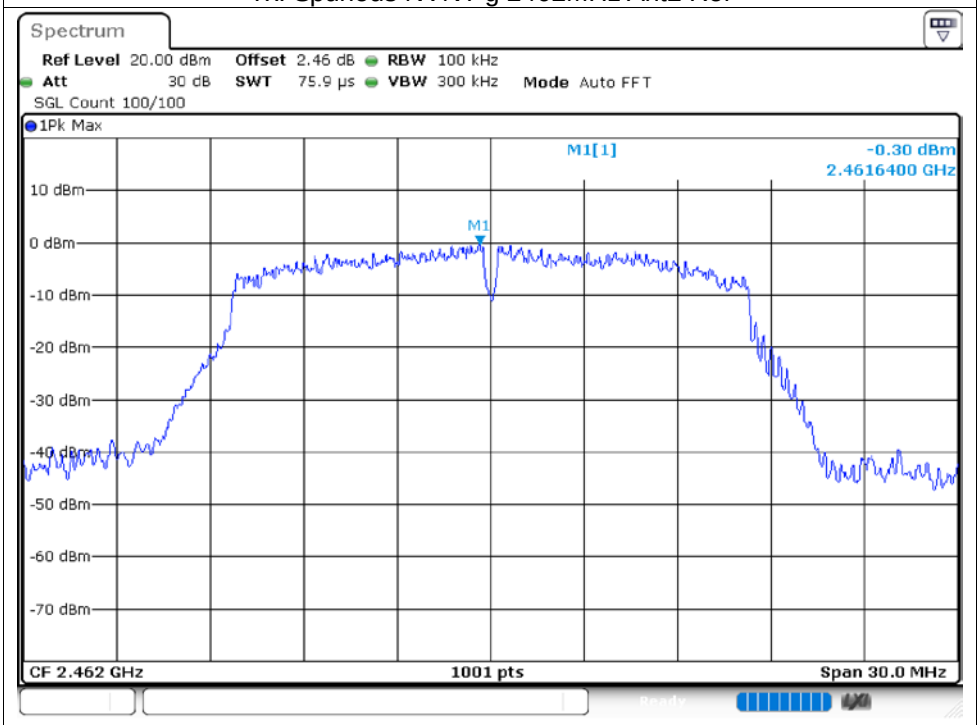
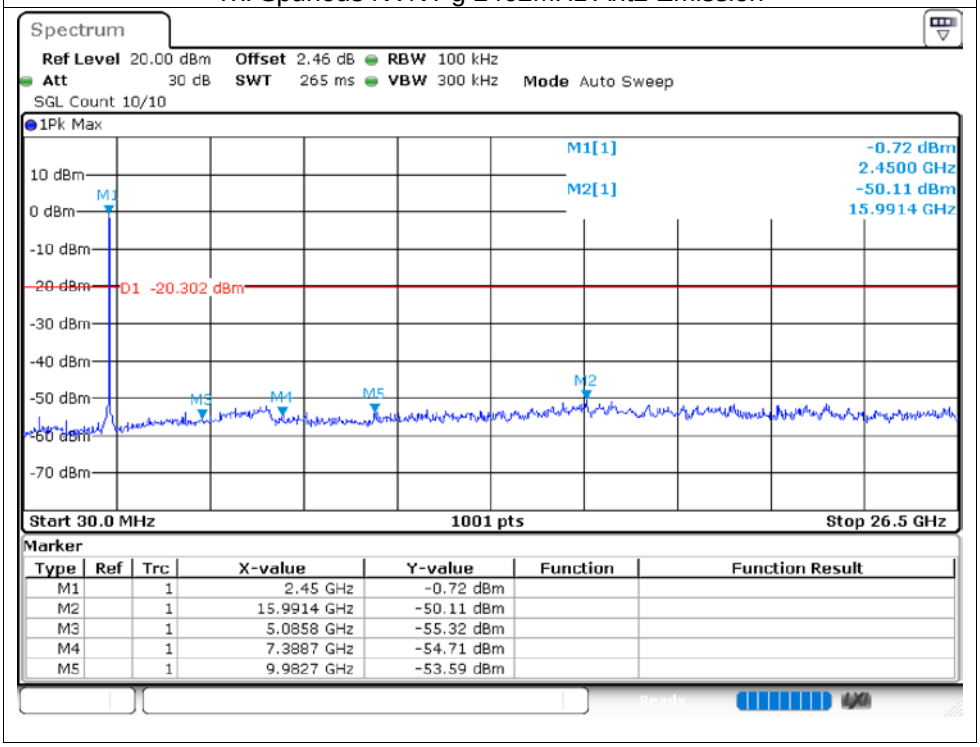


Tx. Spurious NVNT g 2462MHz Ant2 Ref

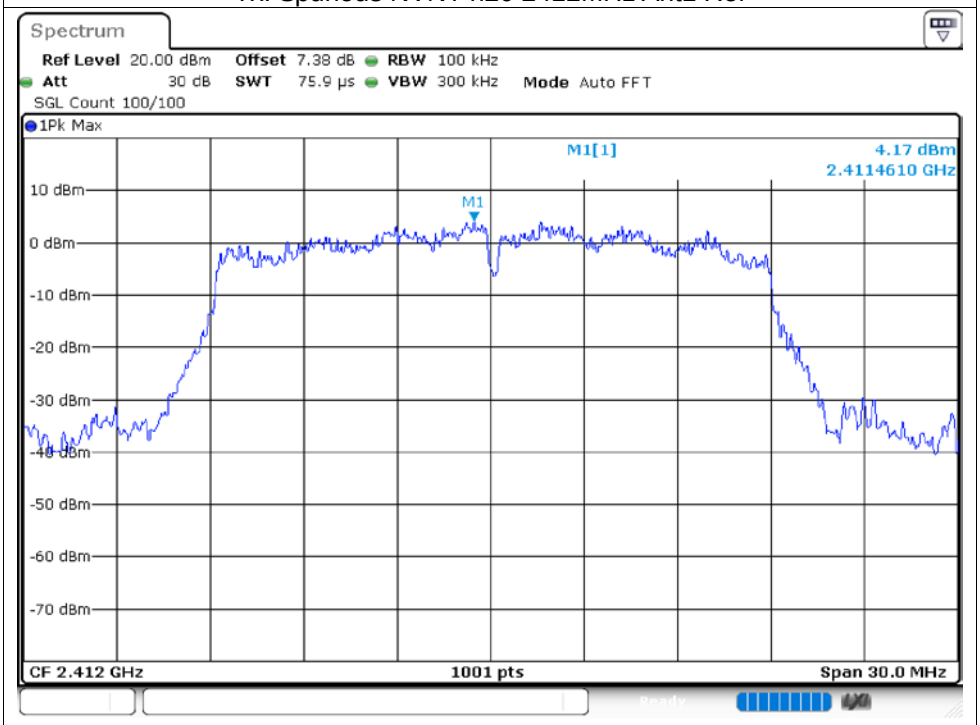


Tx. Spurious NVNT g 2462MHz Ant2 Emission



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-0.72 dBm		
M2		1	15.9914 GHz	-50.11 dBm		
M3		1	5.0858 GHz	-55.32 dBm		
M4		1	7.3887 GHz	-54.71 dBm		
M5		1	9.9827 GHz	-53.59 dBm		

Tx. Spurious NVNT n20 2412MHz Ant1 Ref



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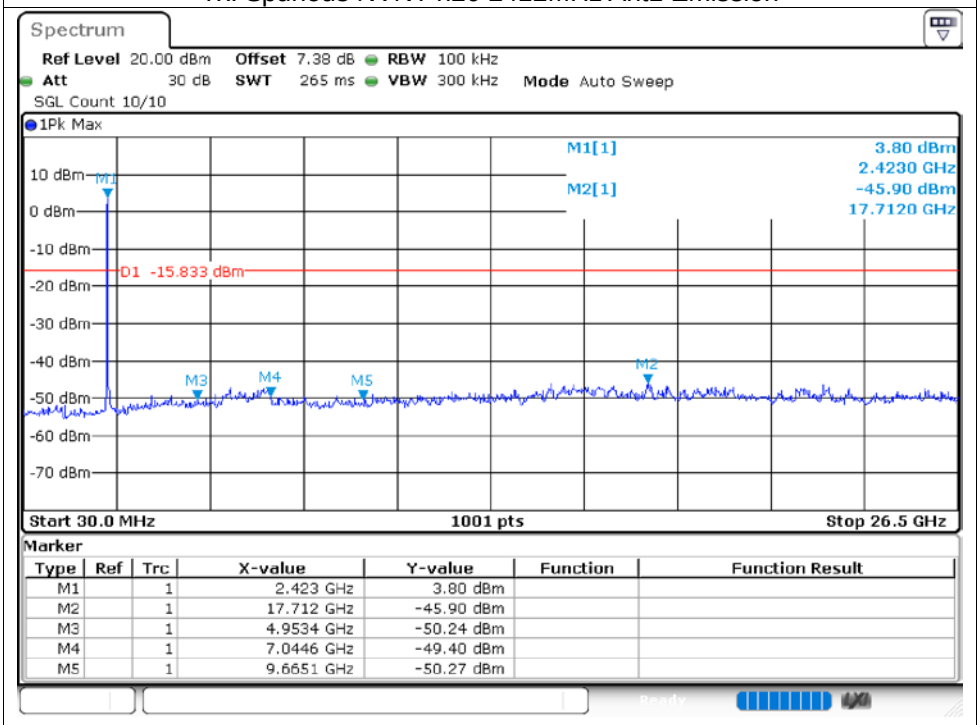

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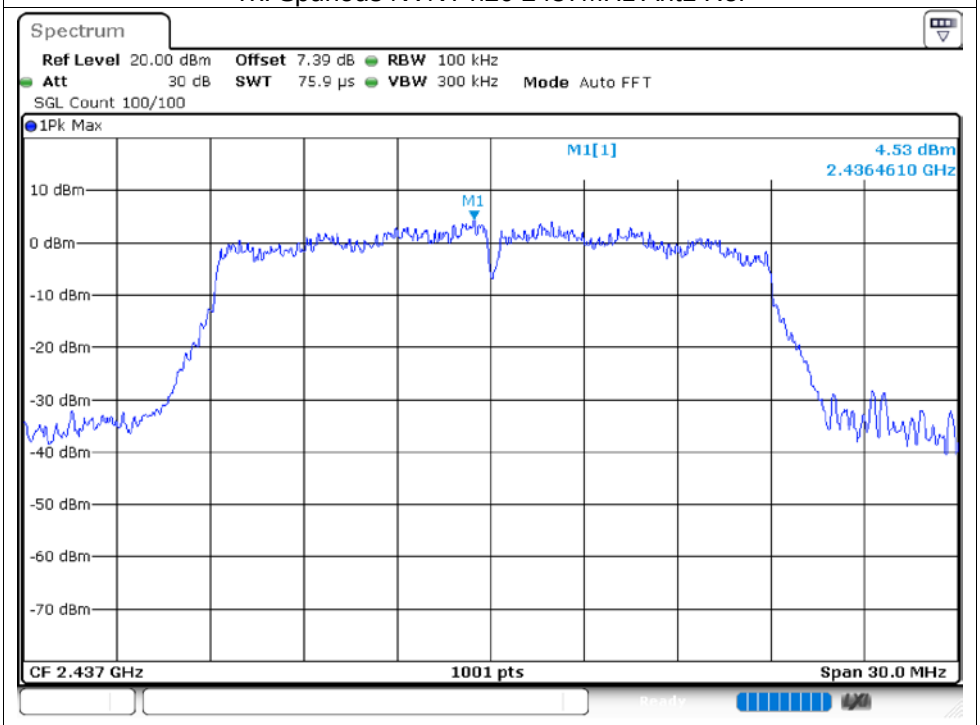

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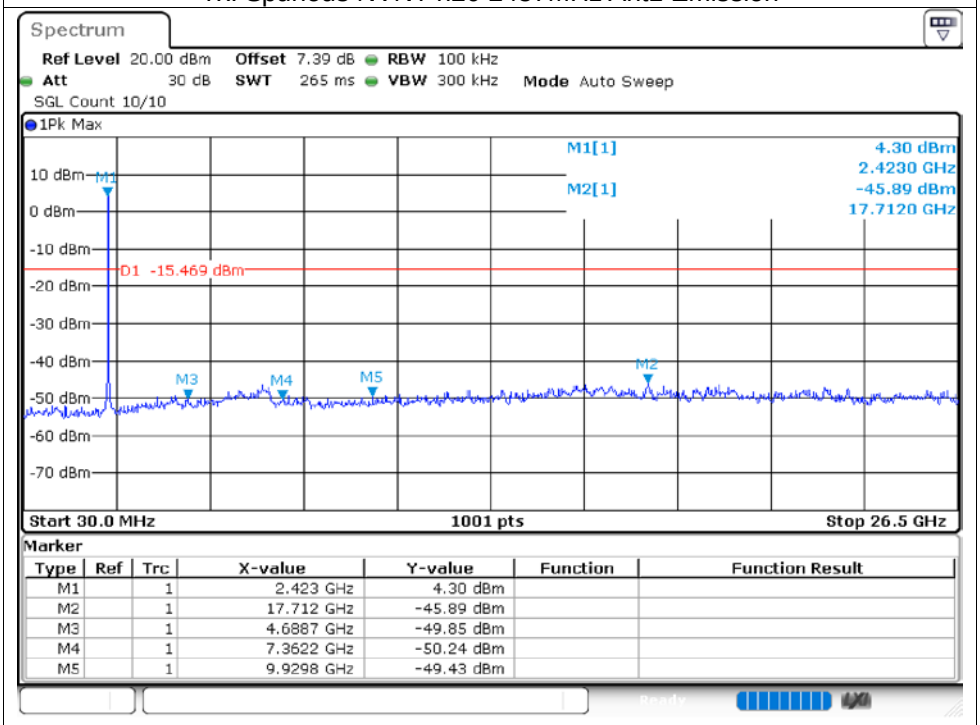

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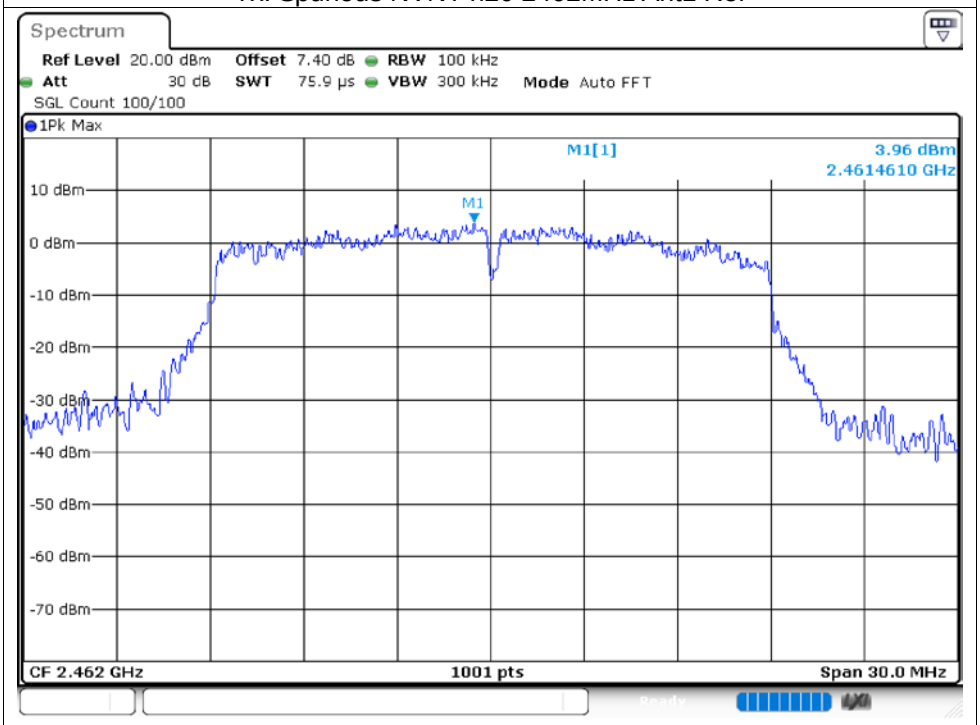

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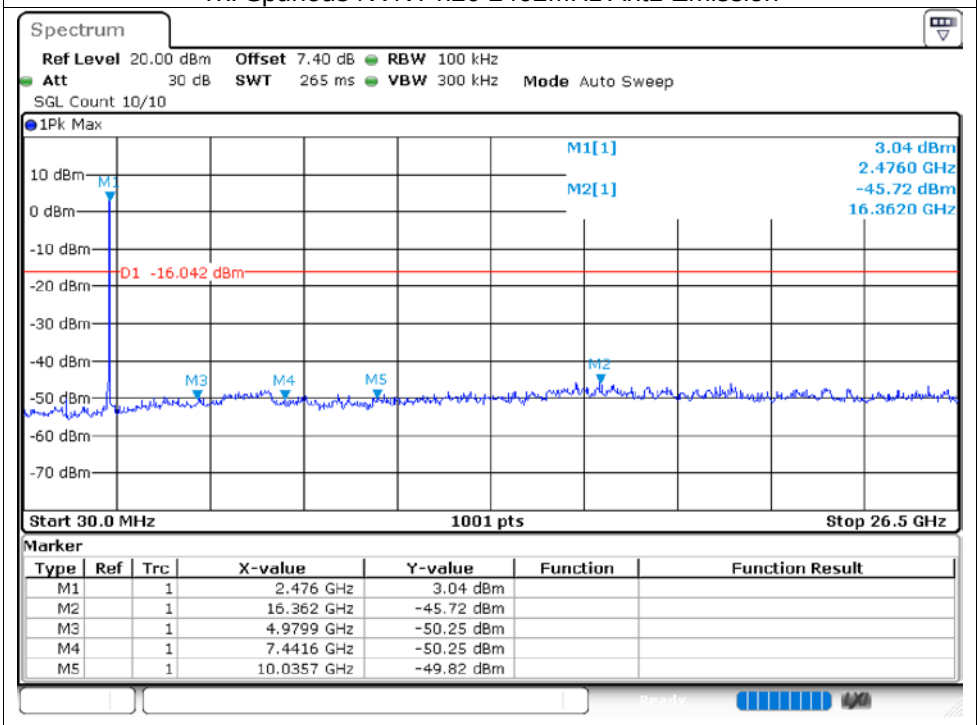
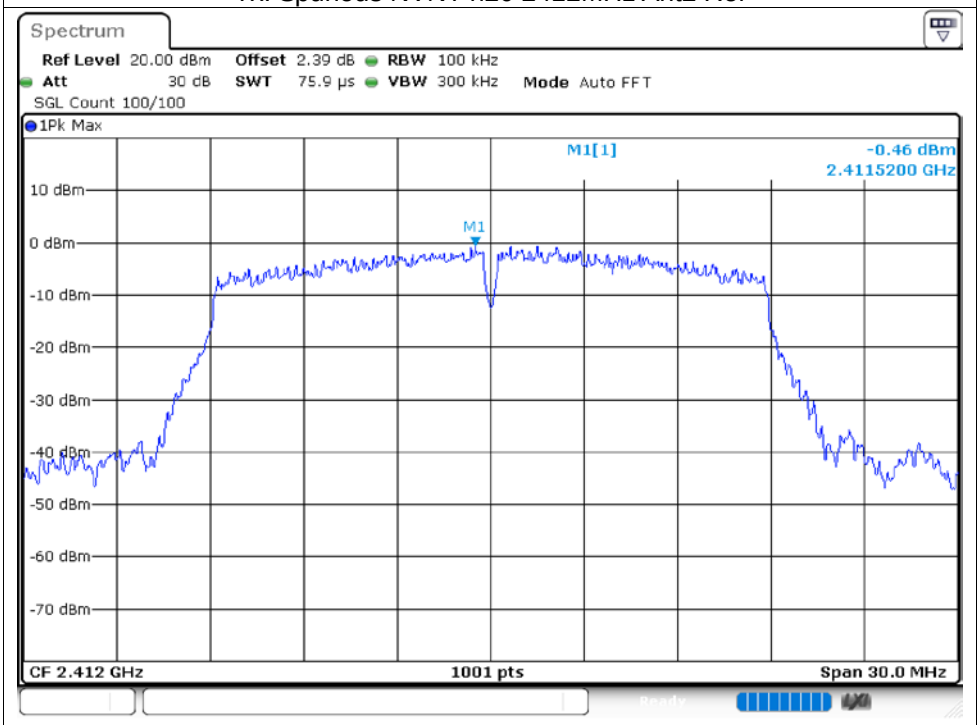
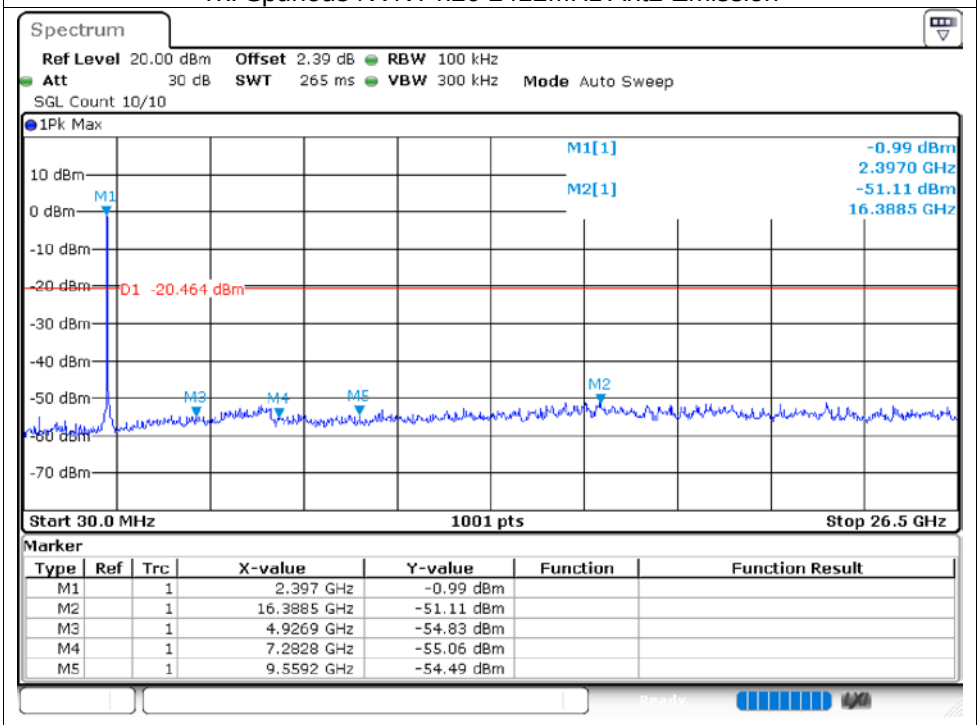


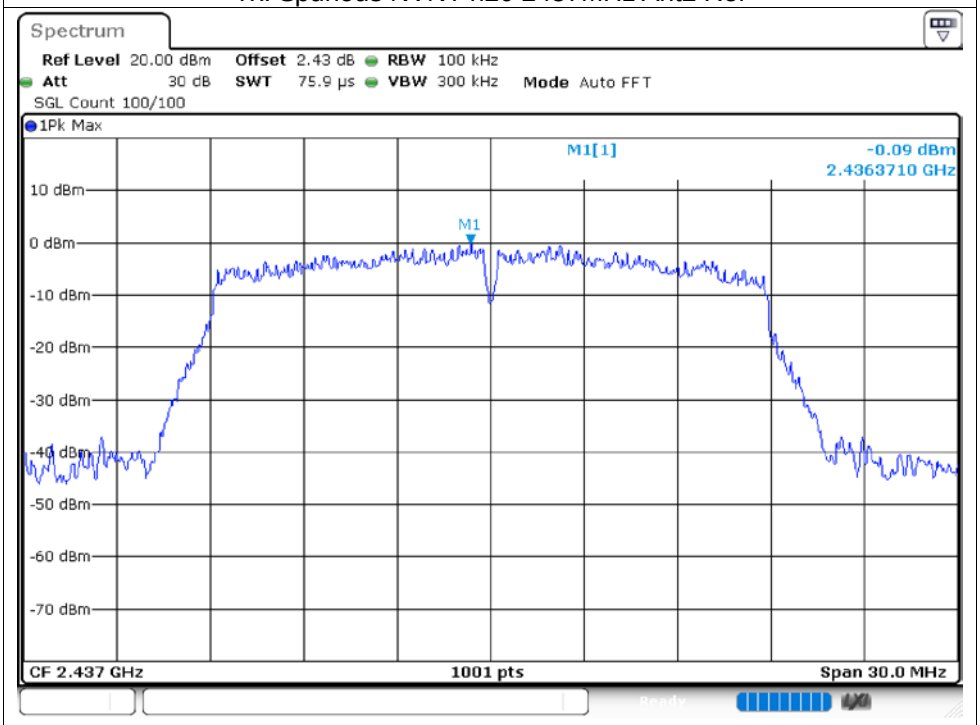
Tx. Spurious NVNT n20 2412MHz Ant2 Ref



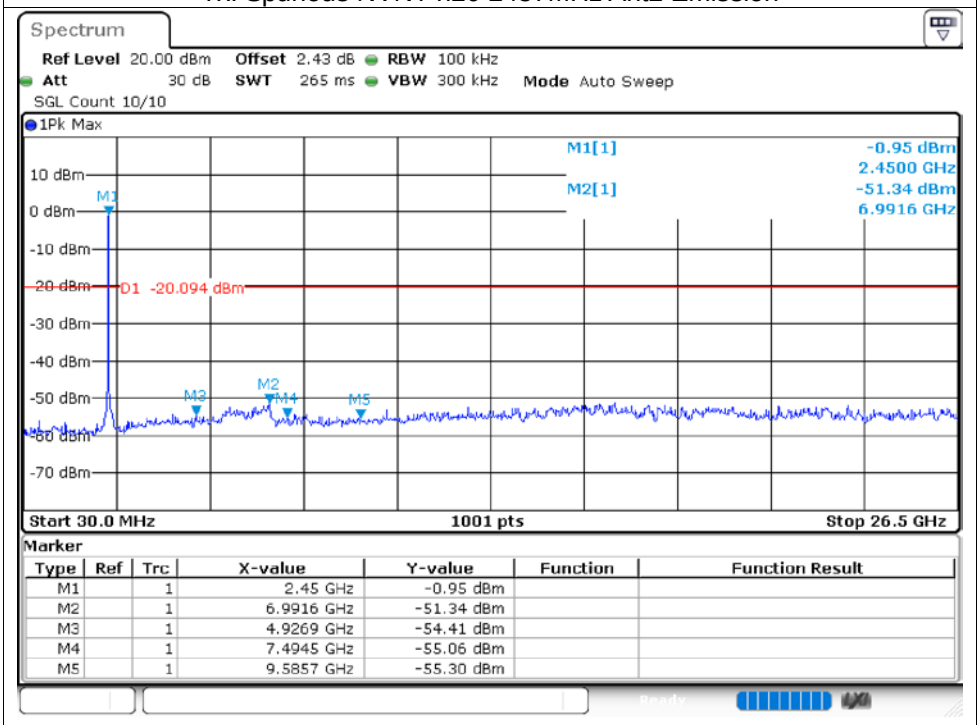
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



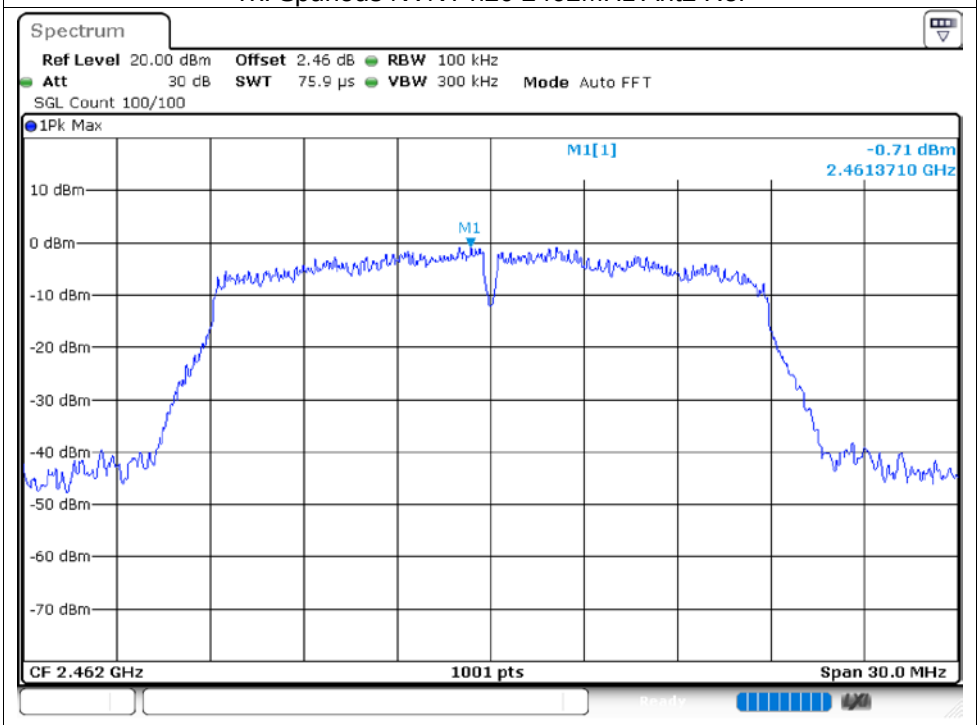
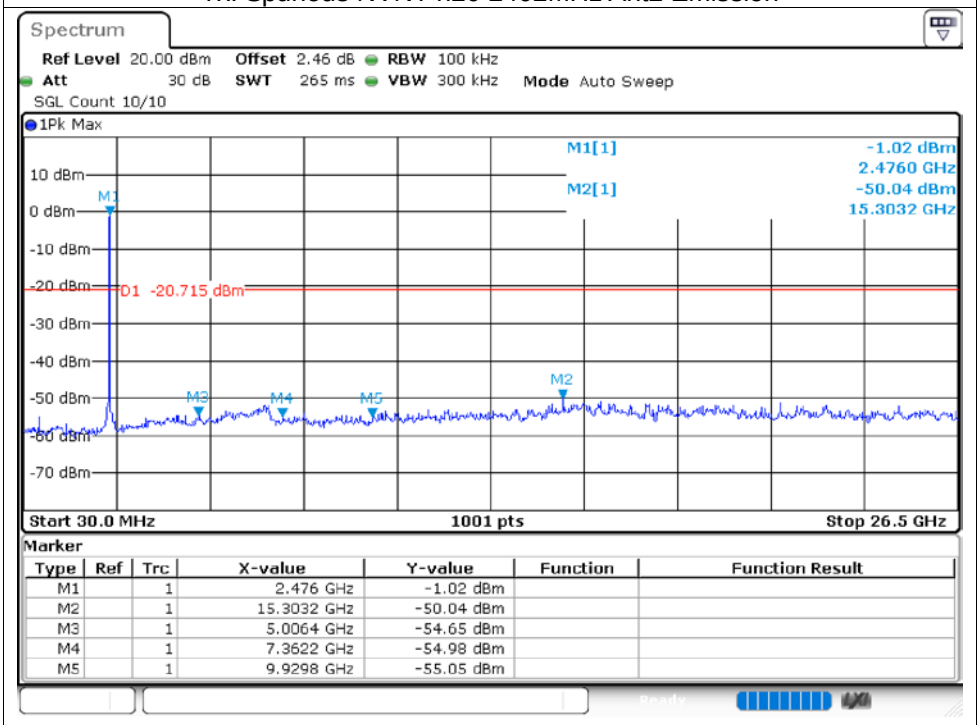
Tx. Spurious NVNT n20 2437MHz Ant2 Ref



Tx. Spurious NVNT n20 2437MHz Ant2 Emission



Tx. Spurious NVNT n20 2462MHz Ant2 Ref



Tx. Spurious NVNT n20 2462MHz Ant2 Emission