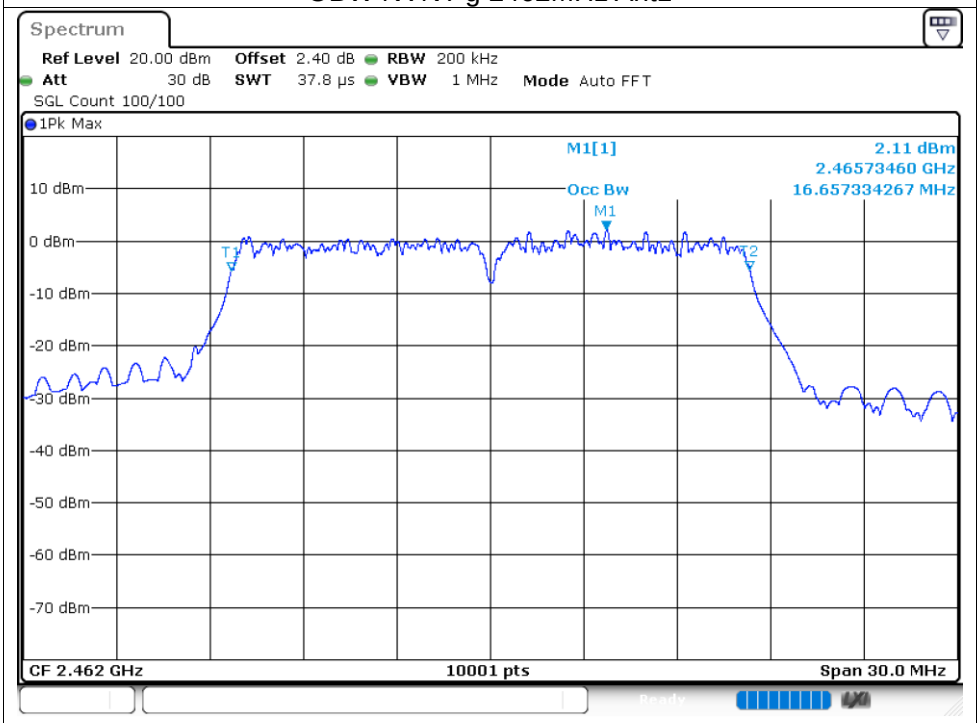
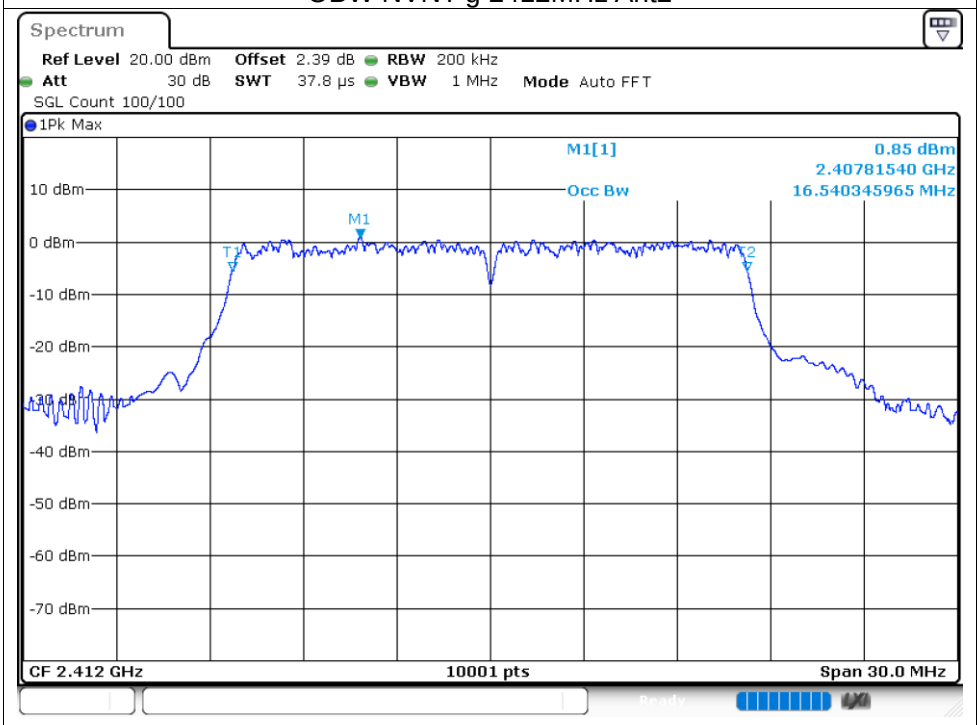
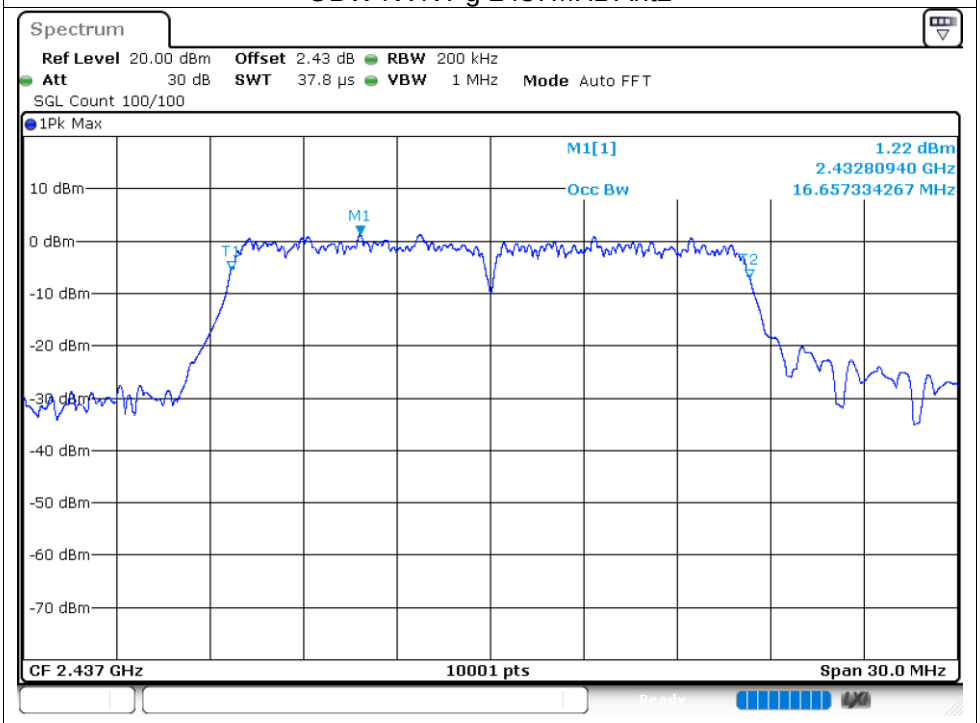
OBW NVNT g 2462MHz Ant1



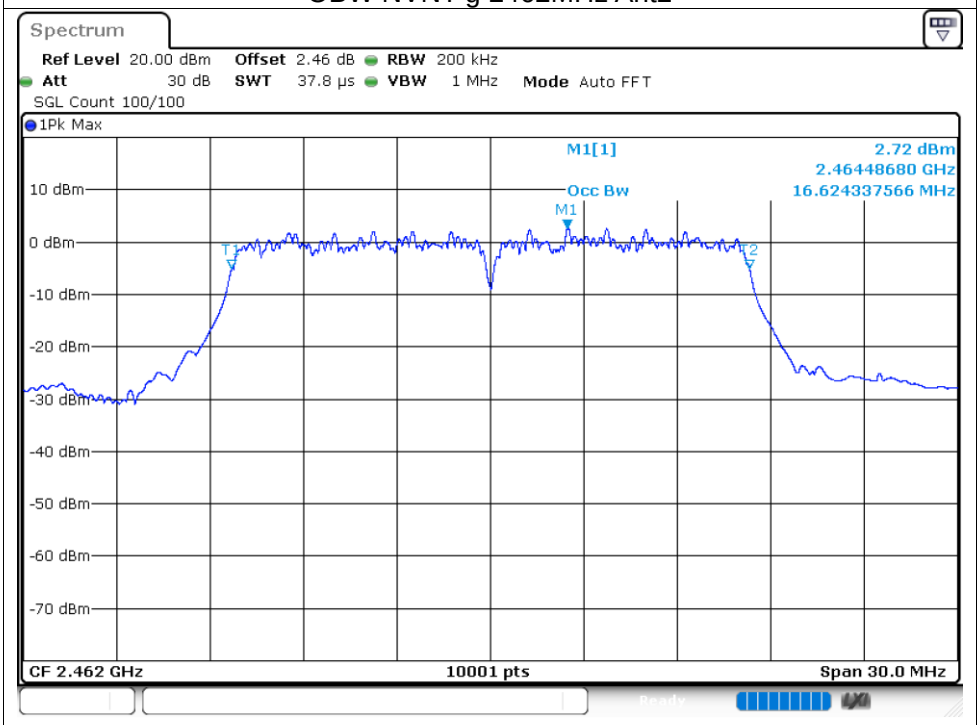
OBW NVNT g 2412MHz Ant2



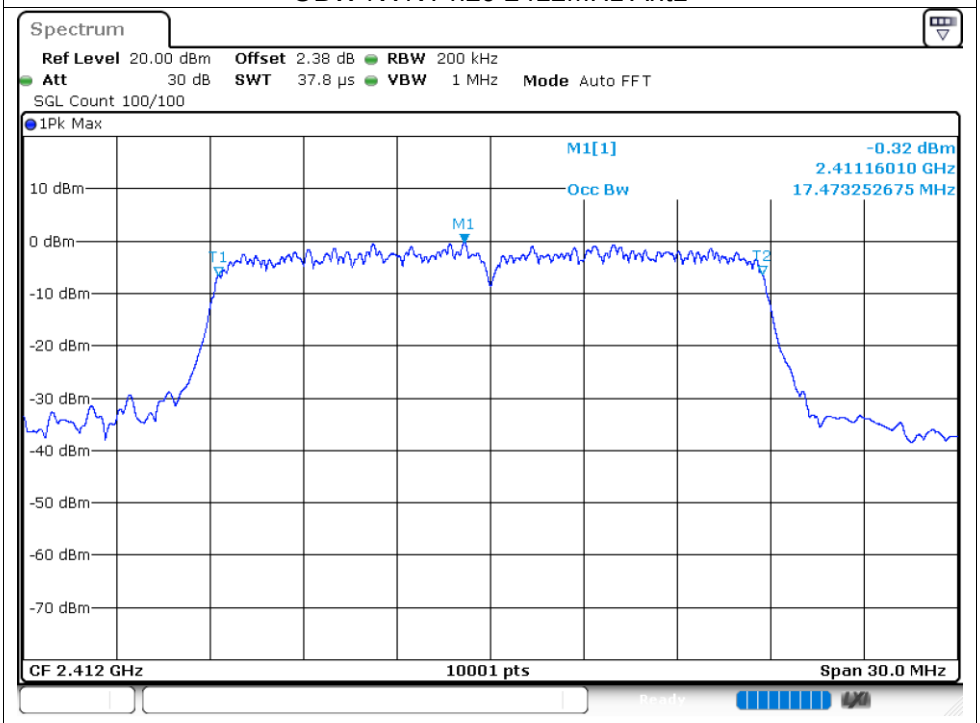
OBW NVNT g 2437MHz Ant2



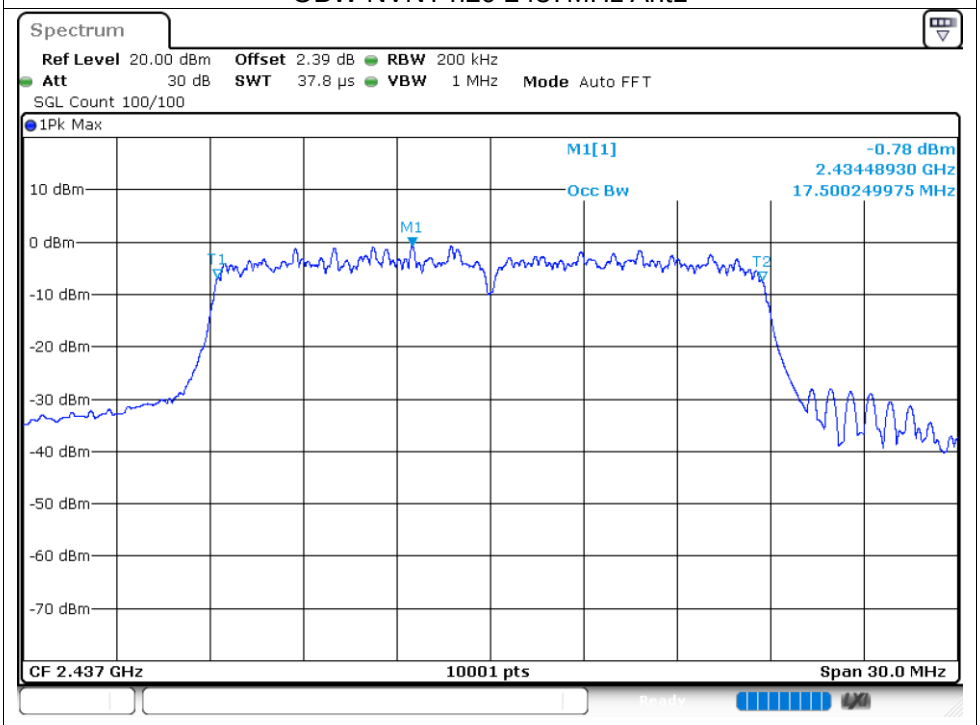
OBW NVNT g 2462MHz Ant2



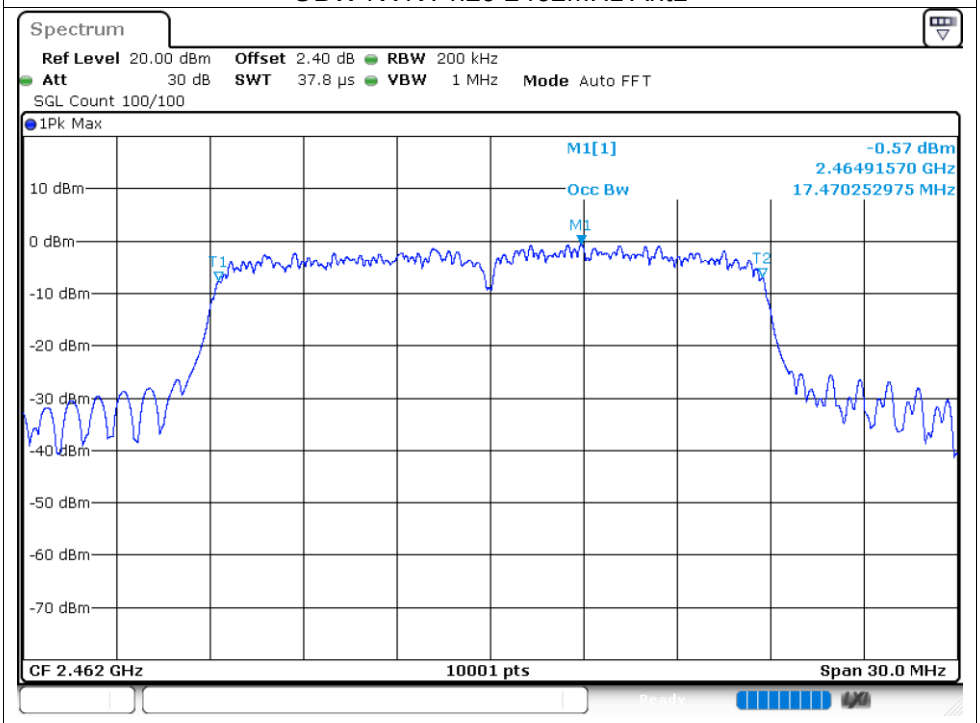
OBW NVNT n20 2412MHz Ant1



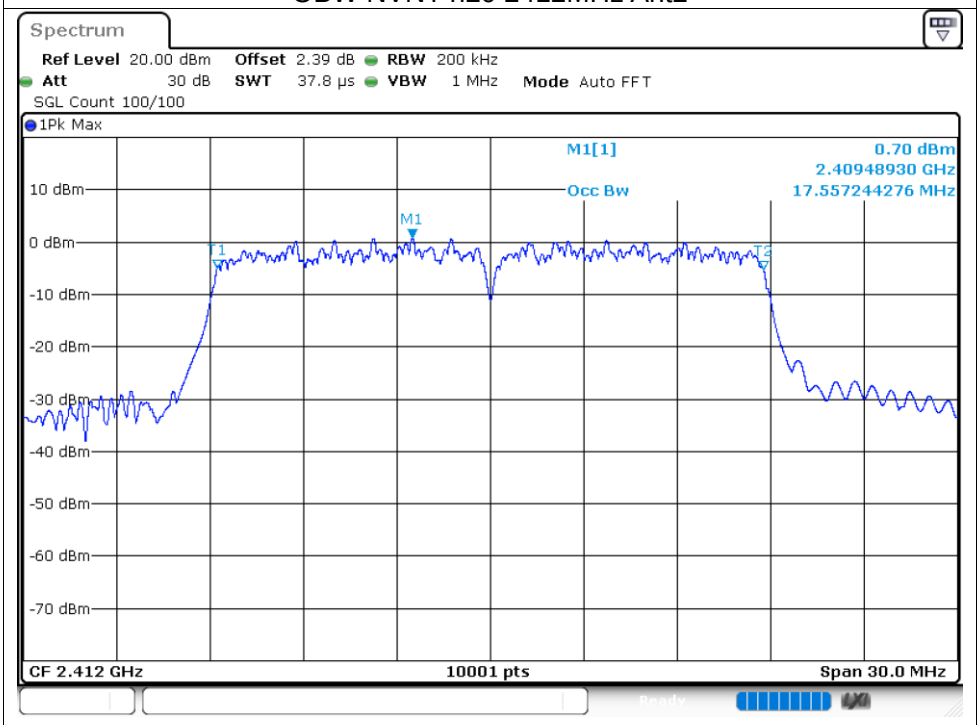
OBW NVNT n20 2437MHz Ant1



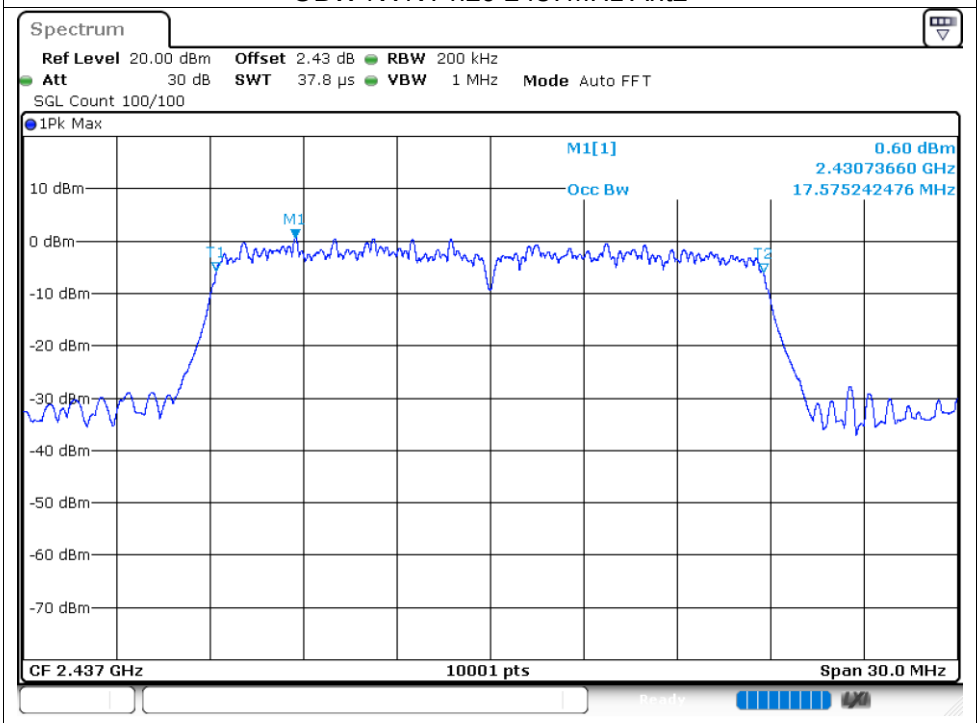
OBW NVNT n20 2462MHz Ant1



OBW NVNT n20 2412MHz Ant2



OBW NVNT n20 2437MHz Ant2



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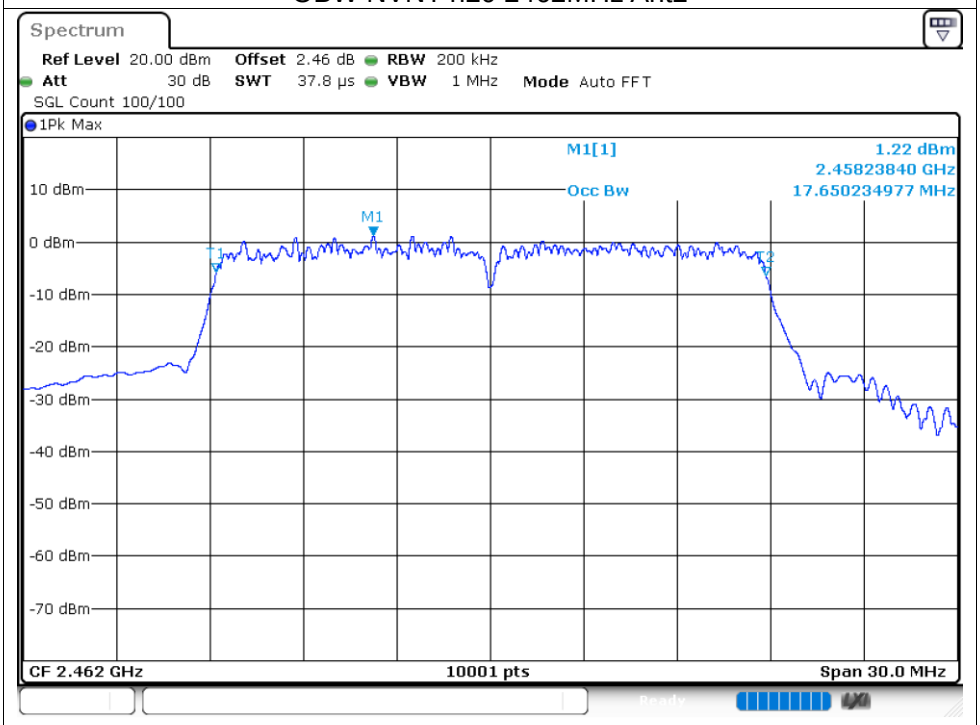
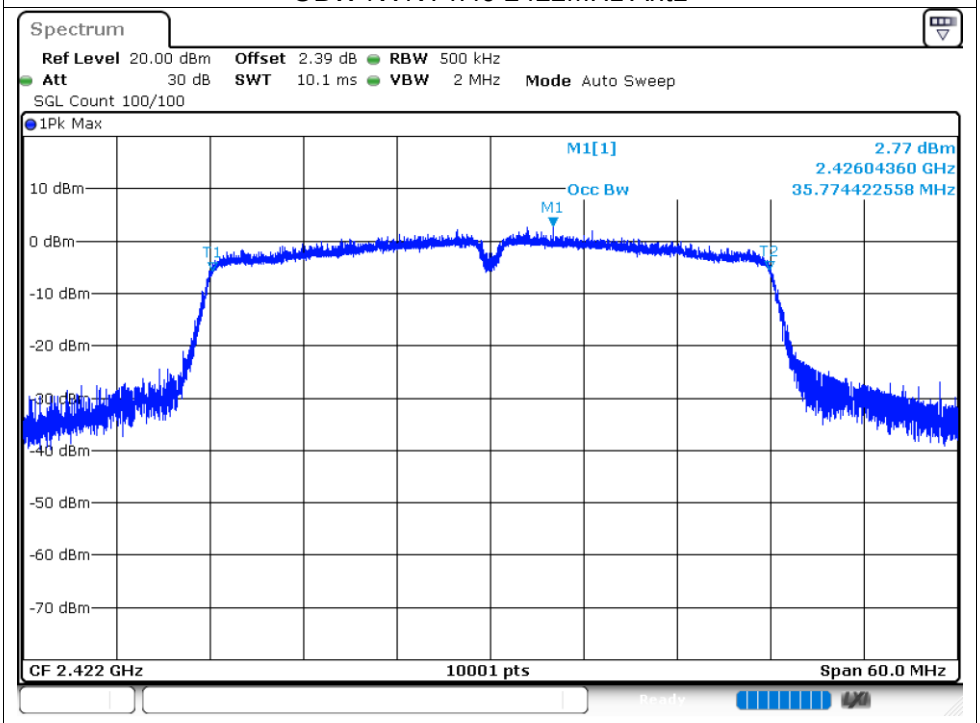
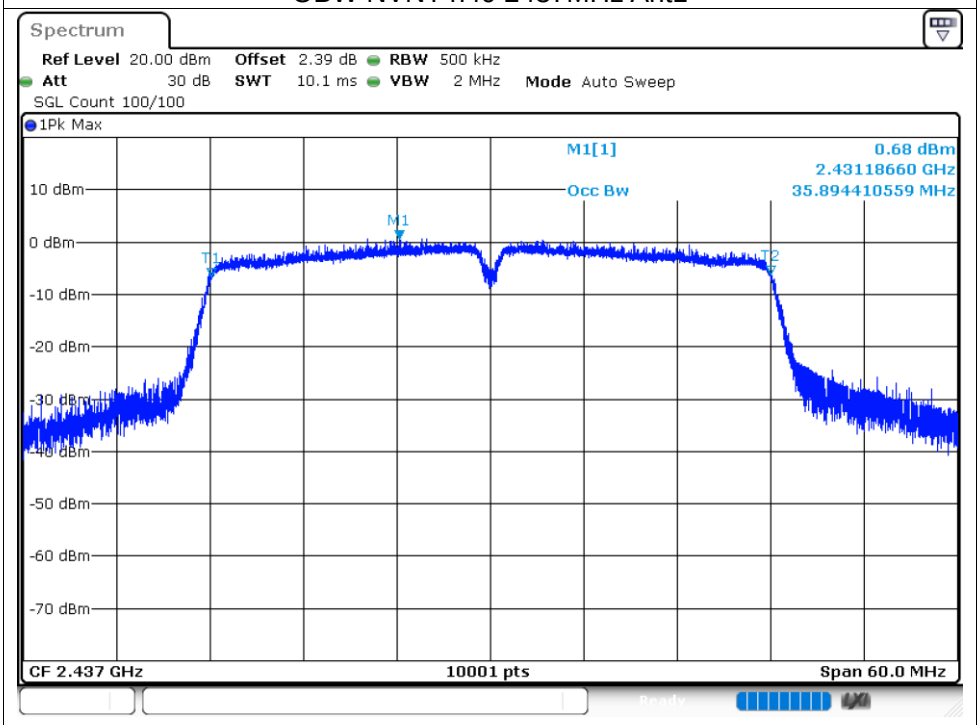


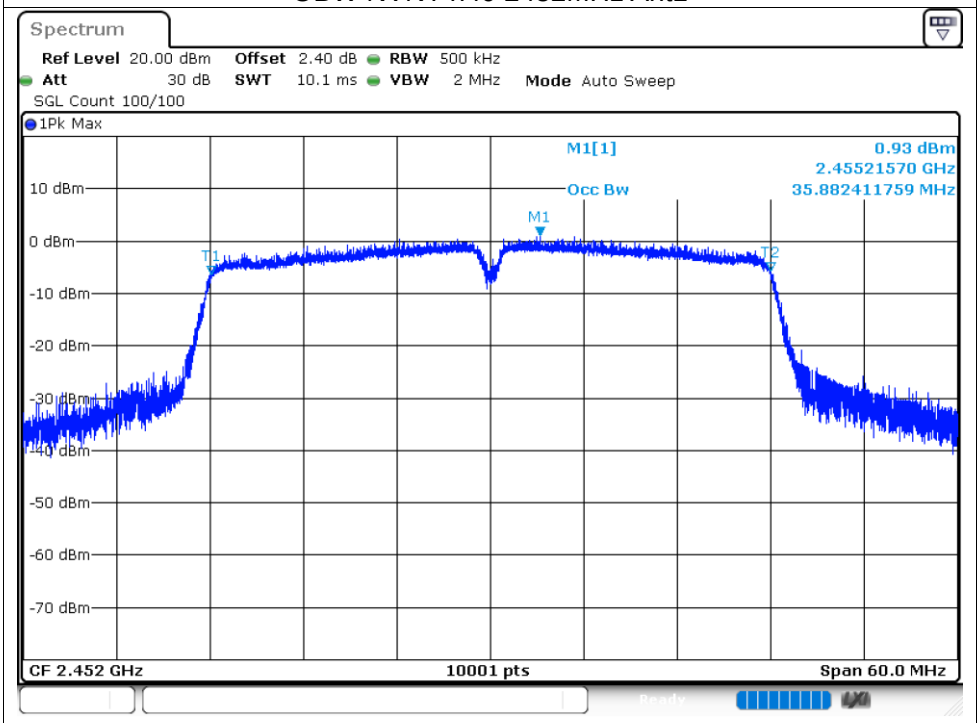
OBW NVNT n40 2422MHz Ant1



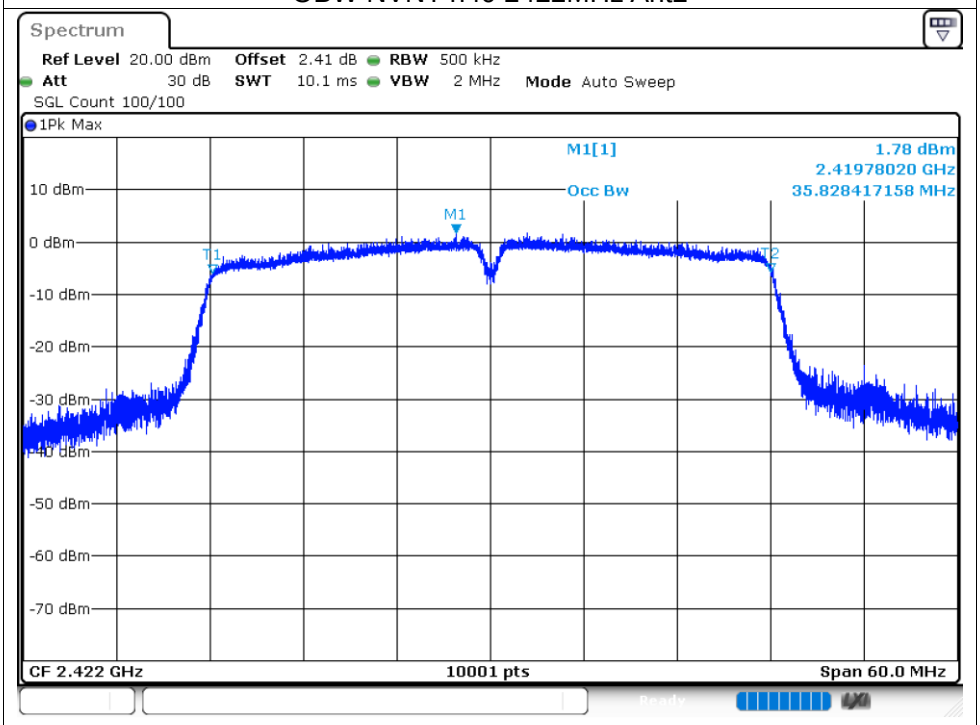
OBW NVNT n40 2437MHz Ant1



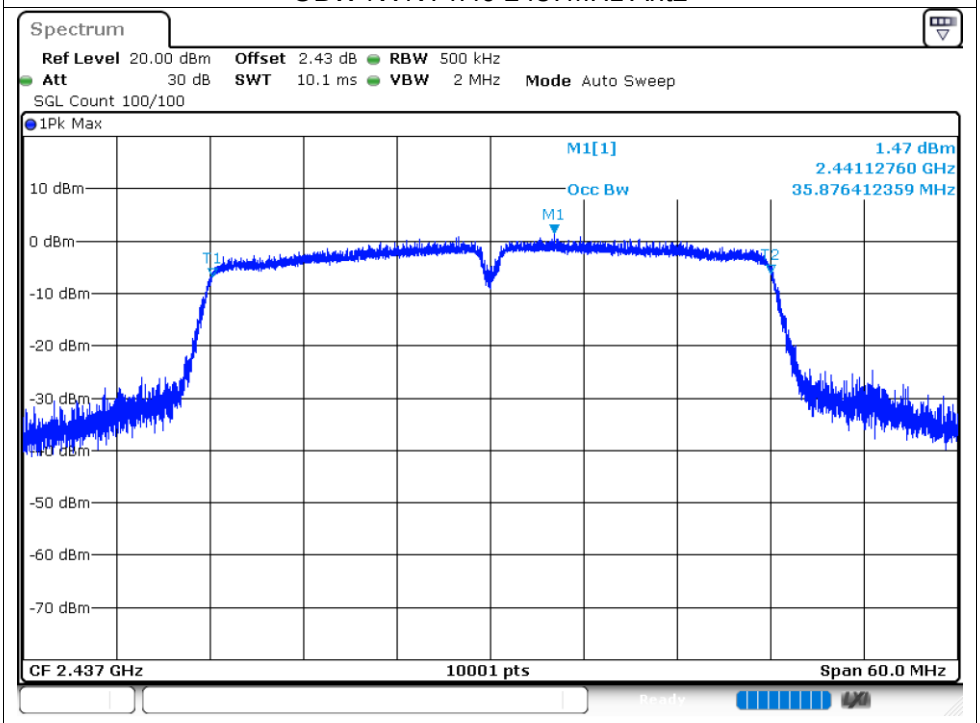
OBW NVNT n40 2452MHz Ant1



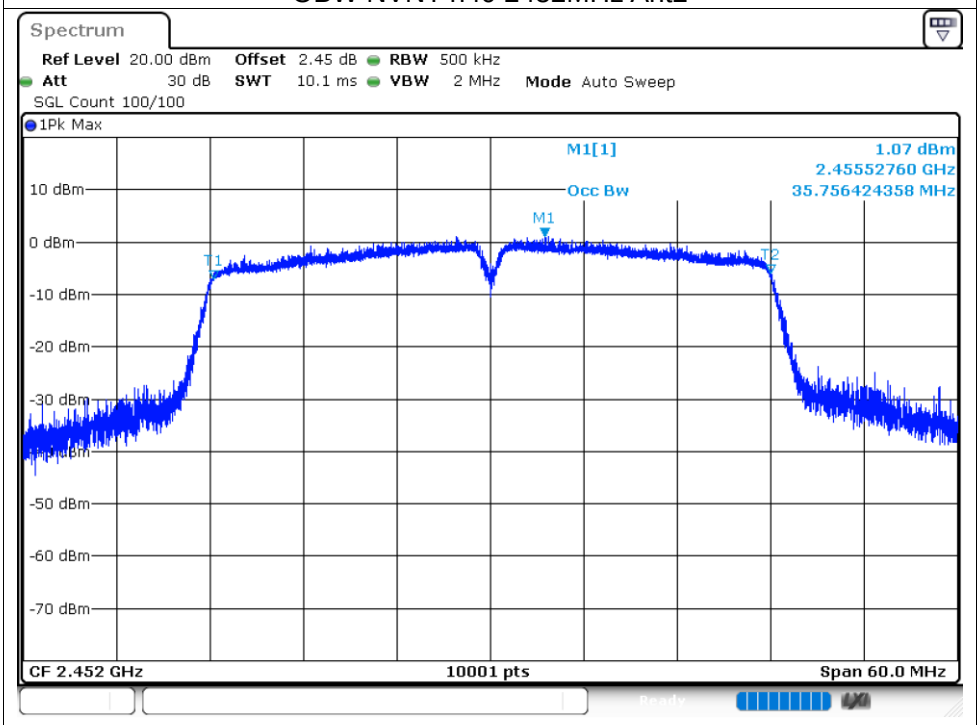
OBW NVNT n40 2422MHz Ant2



OBW NVNT n40 2437MHz Ant2



OBW NVNT n40 2452MHz Ant2

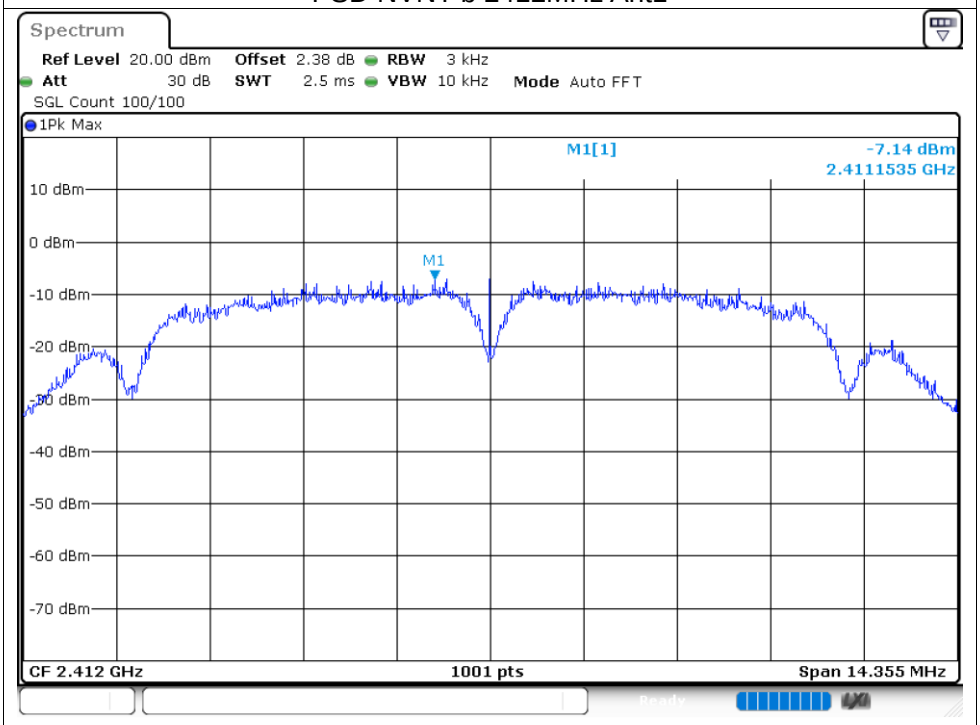


8.1.5 Maximum Power Spectral Density Level

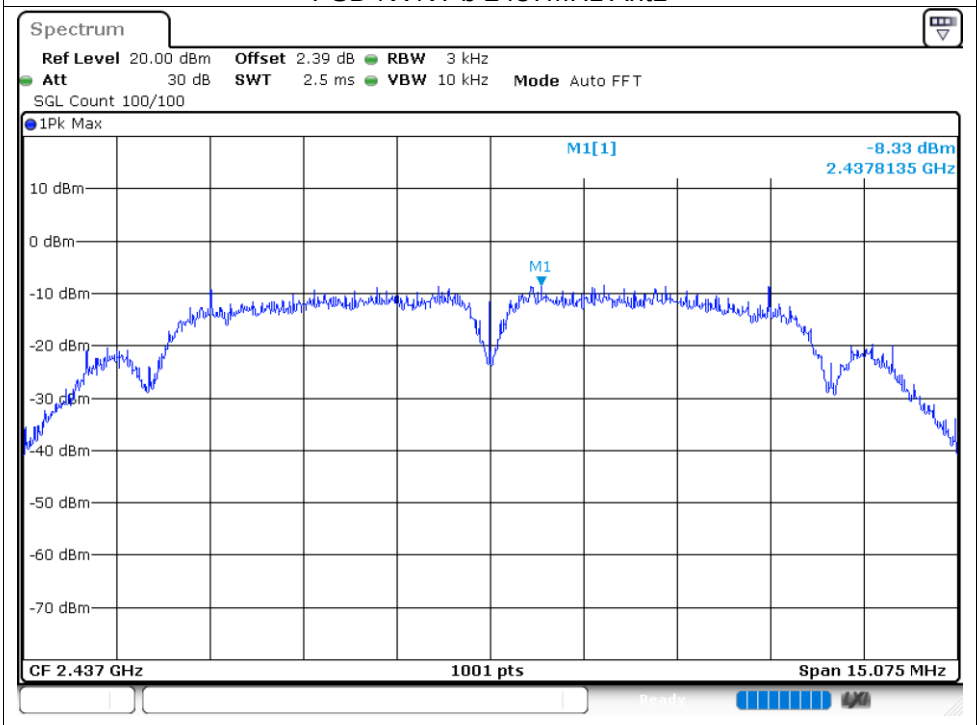
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-7.14	8	Pass
NVNT	b	2437	Ant1	-8.33	8	Pass
NVNT	b	2462	Ant1	-5.25	8	Pass
NVNT	b	2412	Ant2	-6.64	8	Pass
NVNT	b	2437	Ant2	-6.93	8	Pass
NVNT	b	2462	Ant2	-3.89	8	Pass
NVNT	g	2412	Ant1	-12.91	8	Pass
NVNT	g	2437	Ant1	-12.21	8	Pass
NVNT	g	2462	Ant1	-12.85	8	Pass
NVNT	g	2412	Ant2	-12.82	8	Pass
NVNT	g	2437	Ant2	-12.87	8	Pass
NVNT	g	2462	Ant2	-12.84	8	Pass
NVNT	n20	2412	Ant1	-14.36	8	Pass
NVNT	n20	2437	Ant1	-14.94	8	Pass
NVNT	n20	2462	Ant1	-14.66	8	Pass
NVNT	n20	2412	Ant2	-13.8	8	Pass
NVNT	n20	2437	Ant2	-13.82	8	Pass
NVNT	n20	2462	Ant2	-13.34	8	Pass
NVNT	n40	2422	Ant1	-14.23	8	Pass
NVNT	n40	2437	Ant1	-17.96	8	Pass
NVNT	n40	2452	Ant1	-17.9	8	Pass
NVNT	n40	2422	Ant2	-17.2	8	Pass
NVNT	n40	2437	Ant2	-17.61	8	Pass
NVNT	n40	2452	Ant2	-17.92	8	Pass

Test Graphs

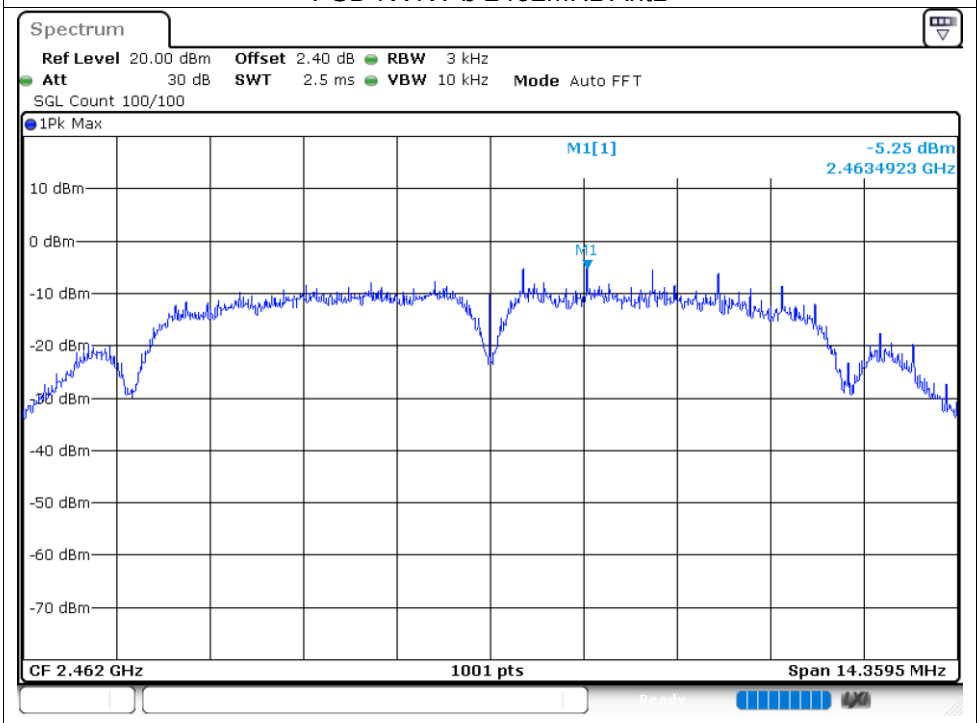
PSD NVNT b 2412MHz Ant1



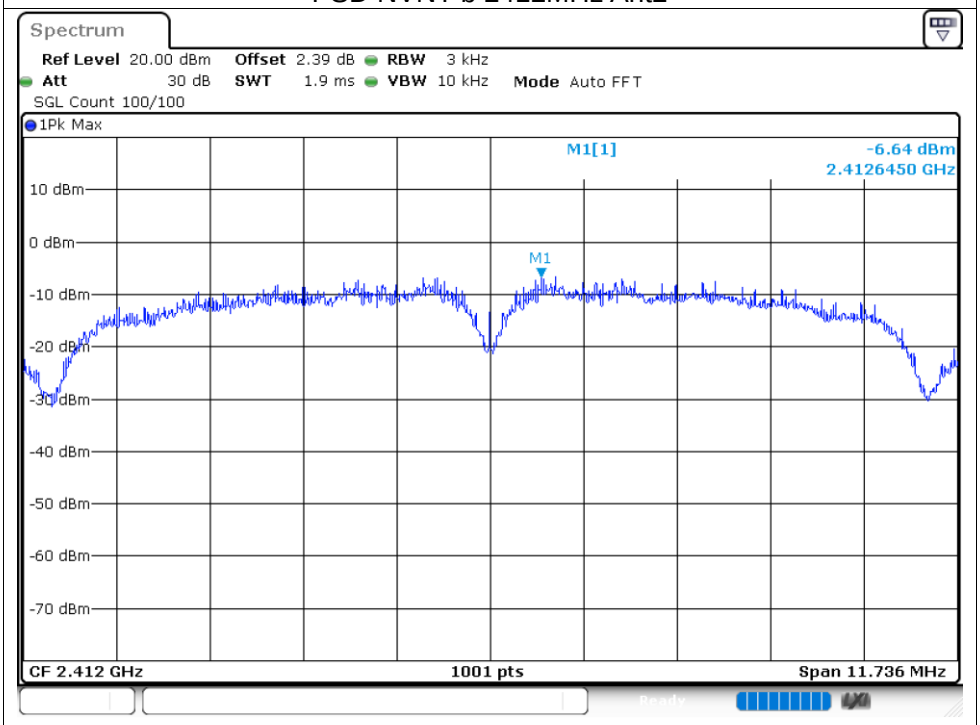
PSD NVNT b 2437MHz Ant1



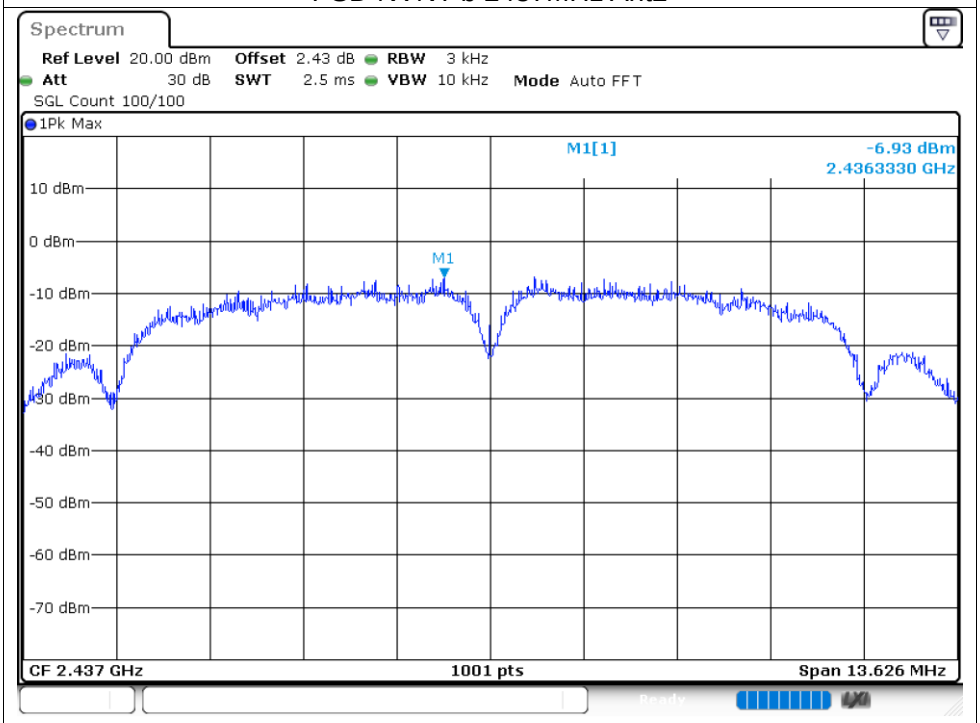
PSD NVNT b 2462MHz Ant1



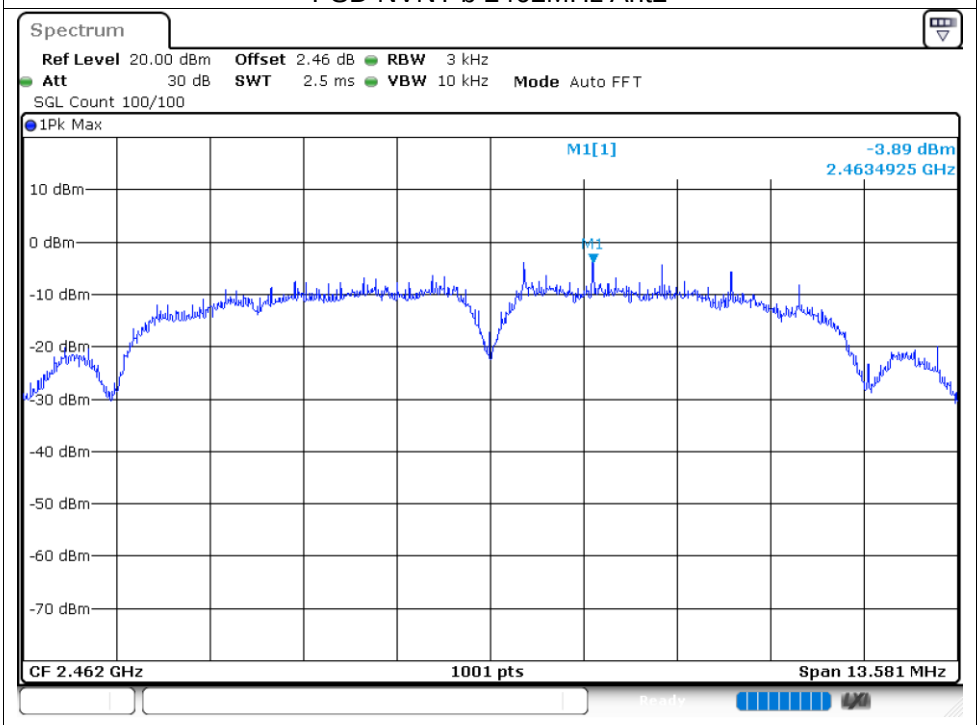
PSD NVNT b 2412MHz Ant2



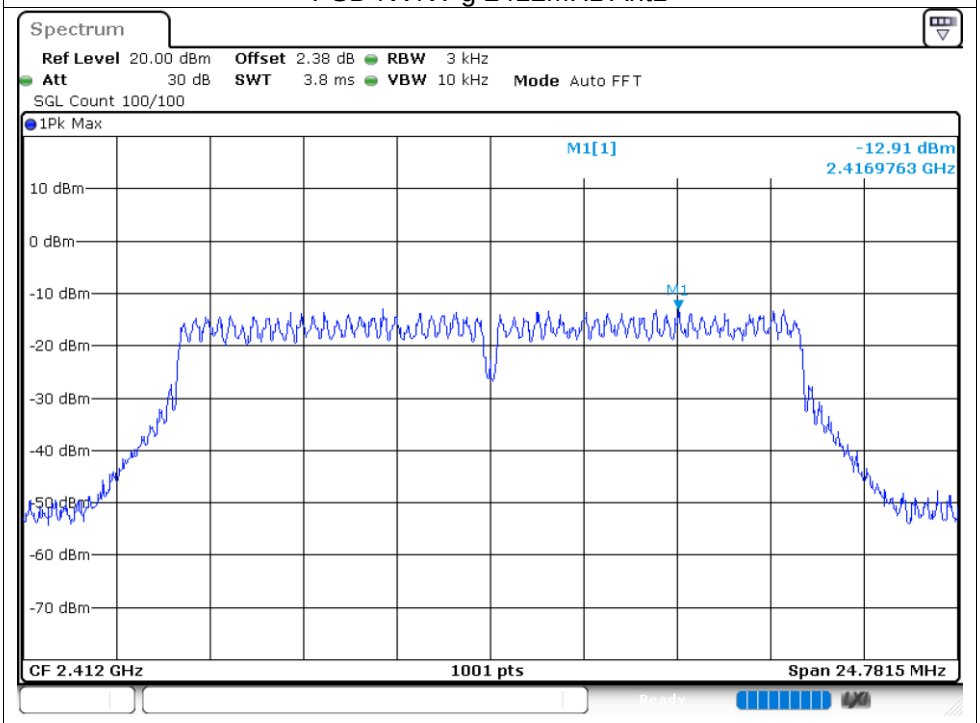
PSD NVNT b 2437MHz Ant2



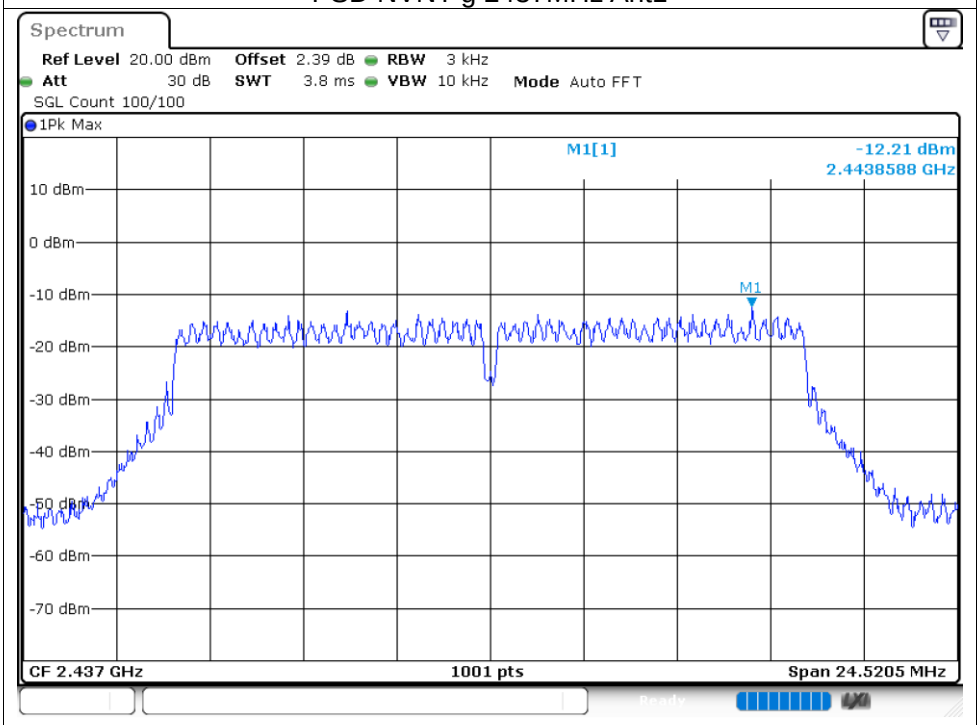
PSD NVNT b 2462MHz Ant2



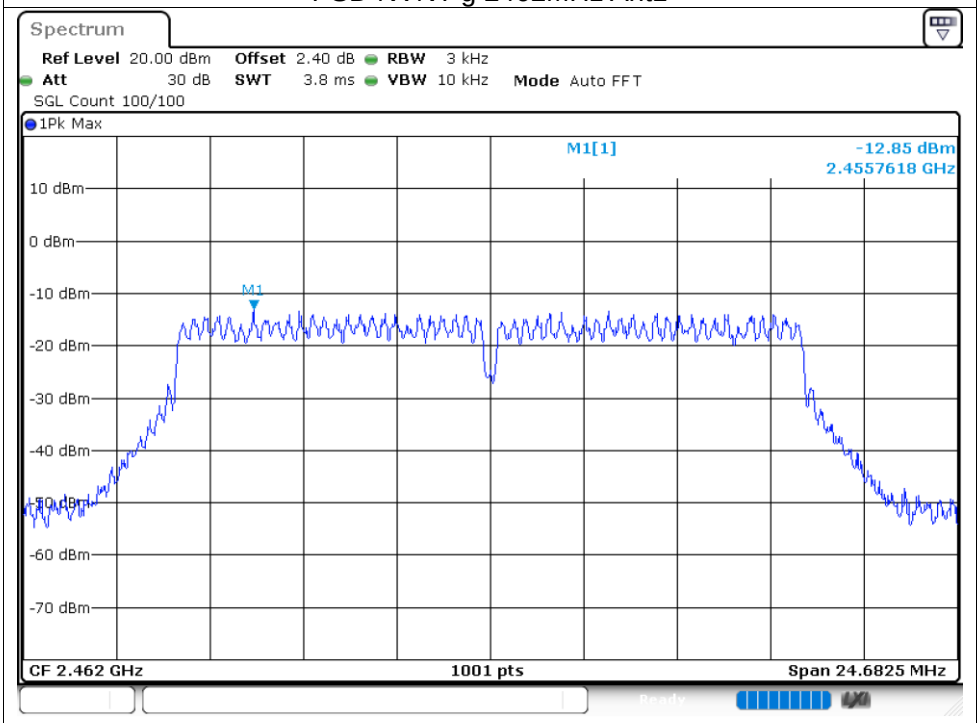
PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



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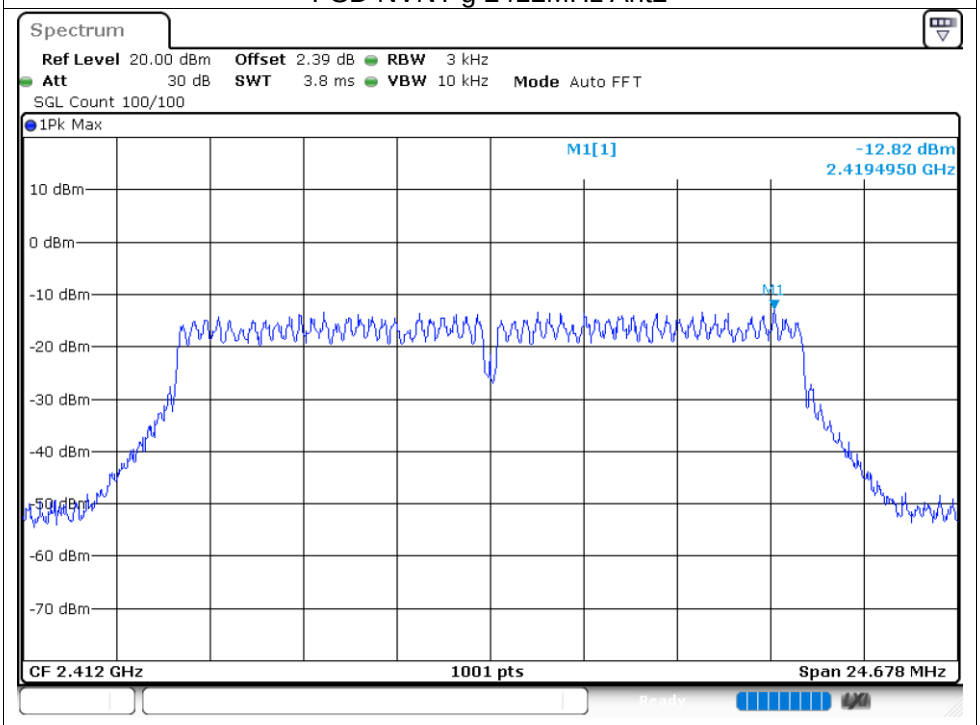
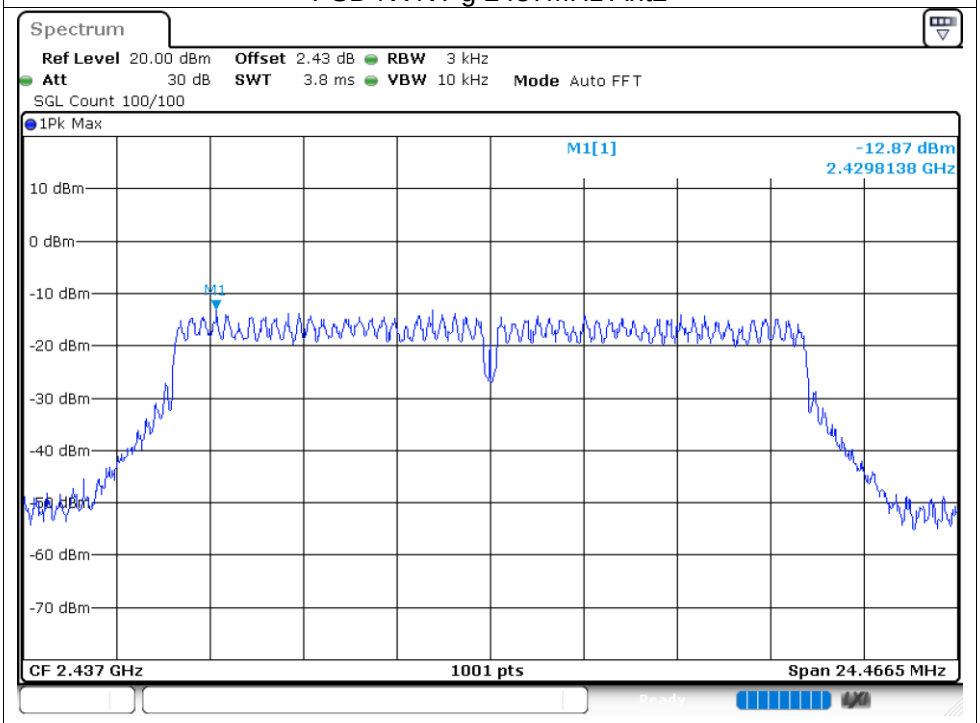
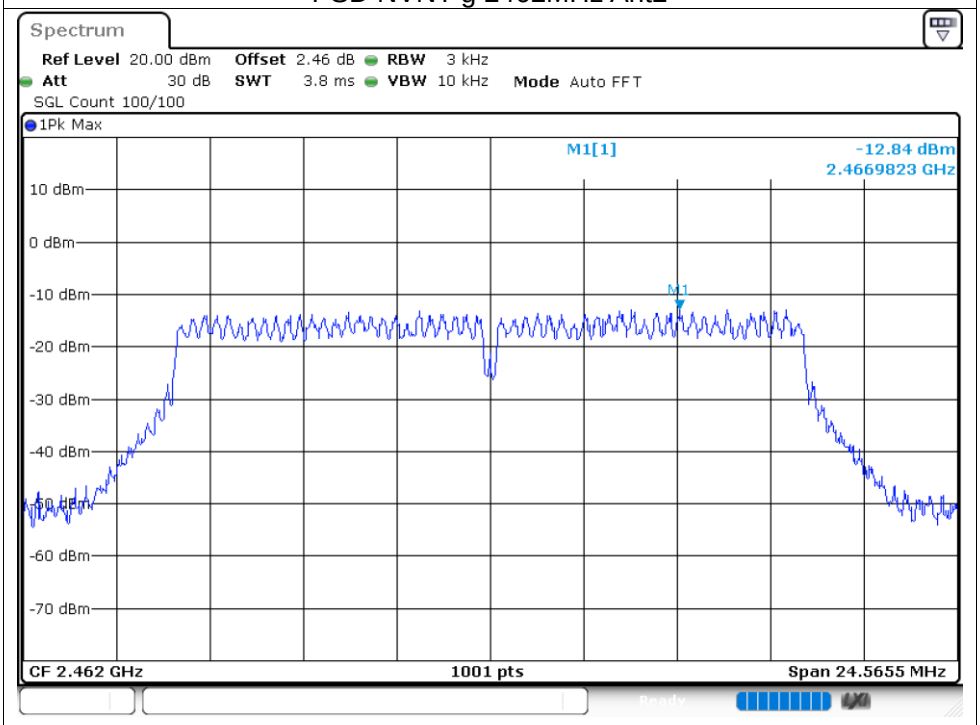


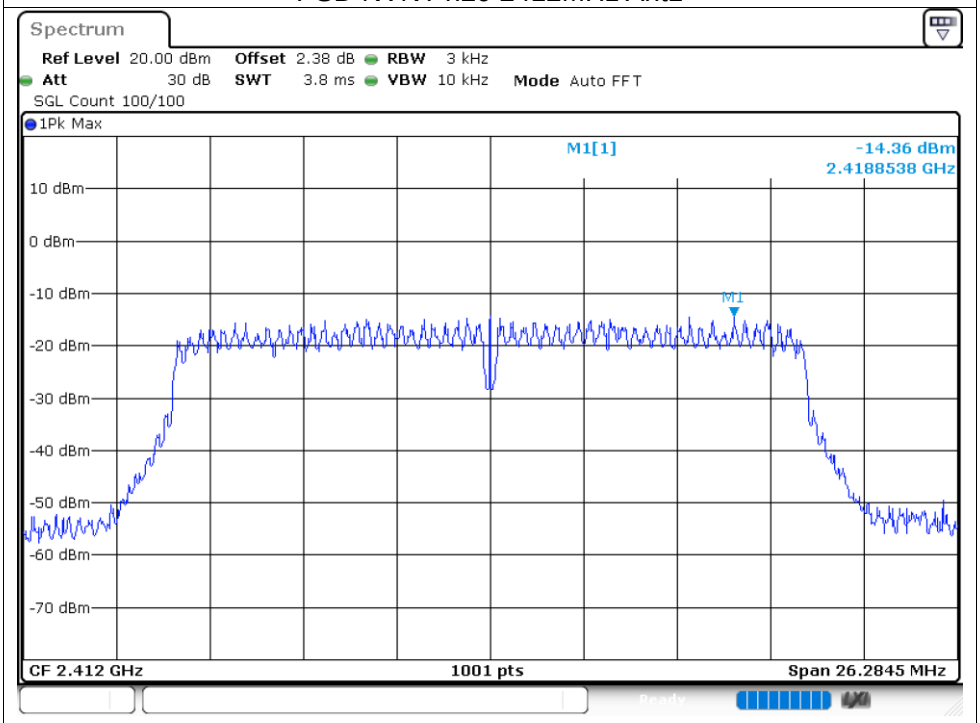
PSD NVNT g 2437MHz Ant2



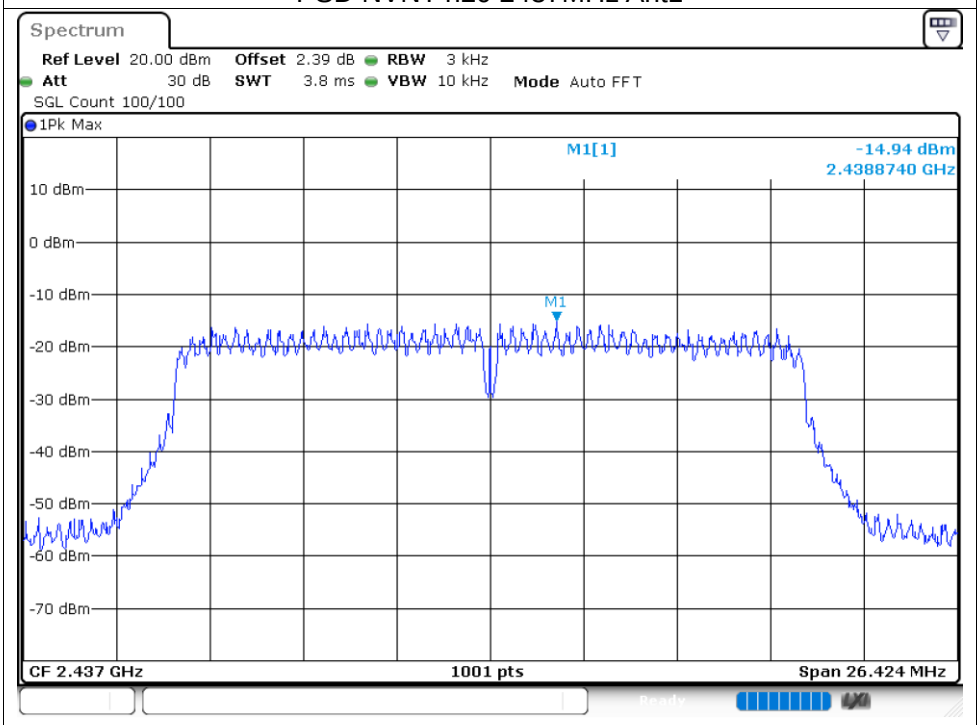
PSD NVNT g 2462MHz Ant2



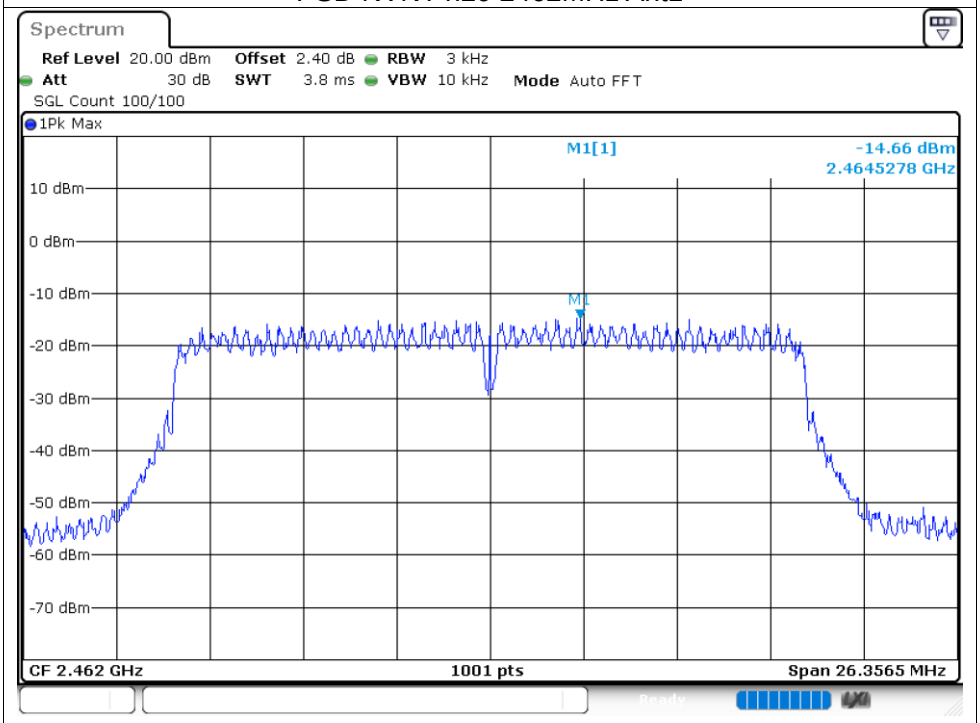
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



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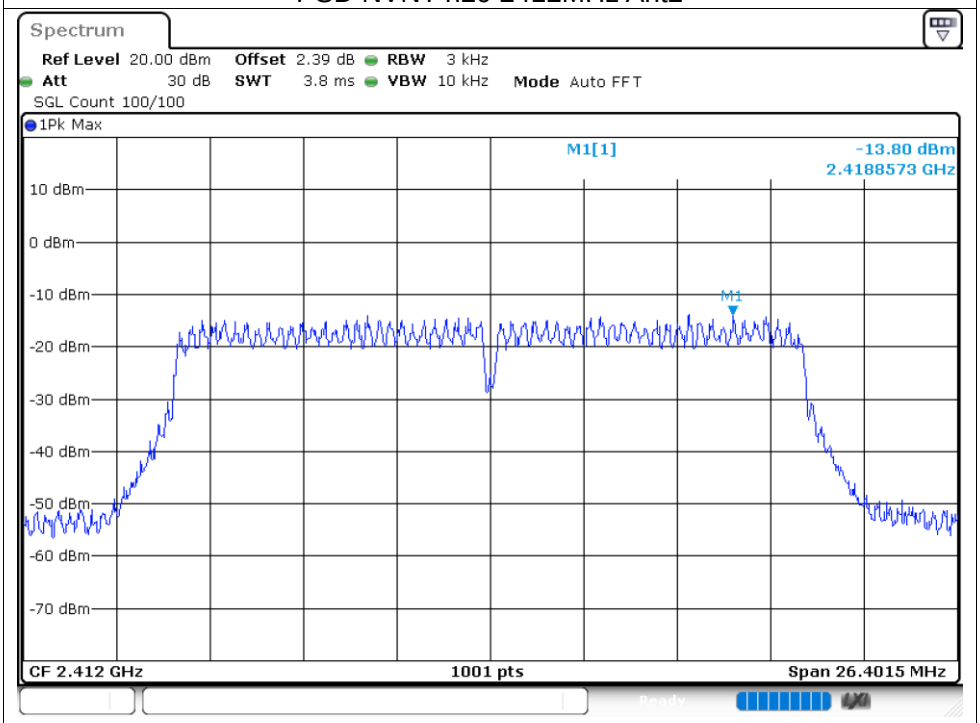

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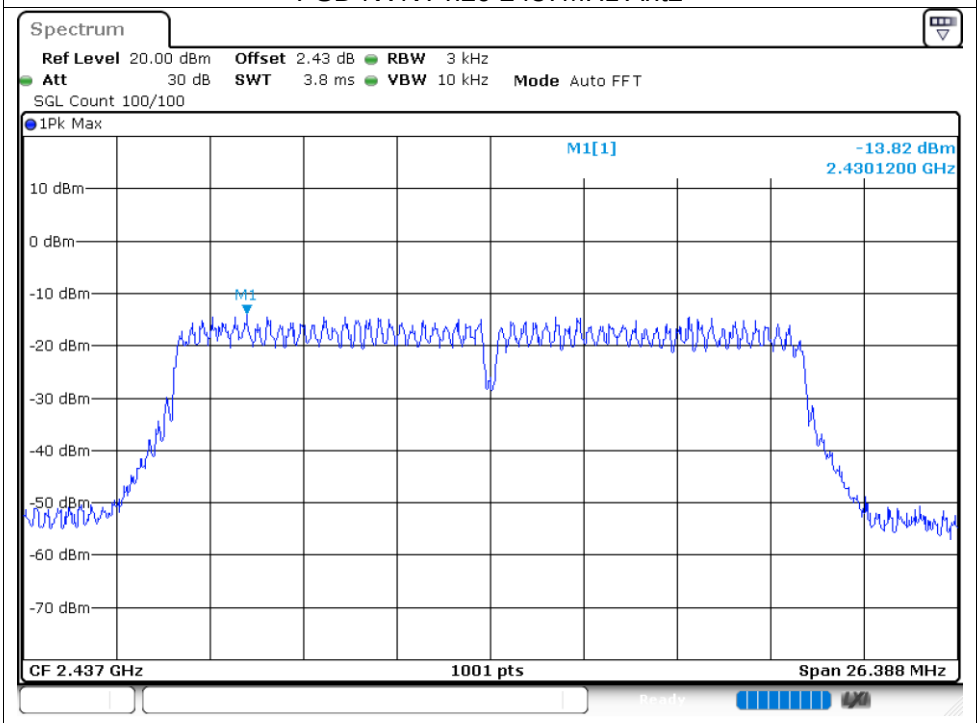
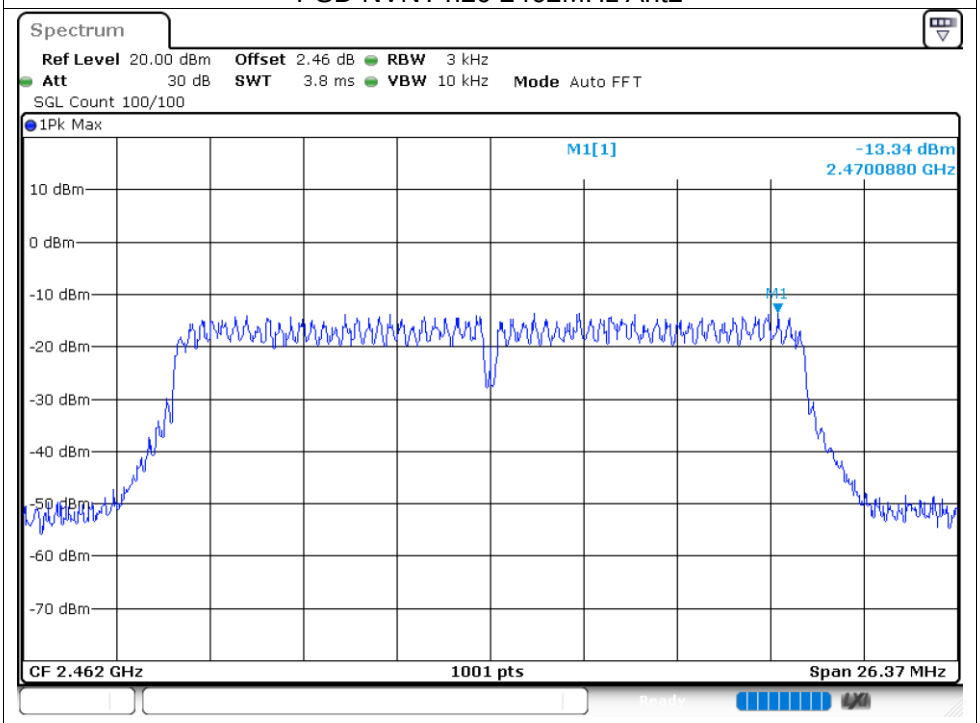
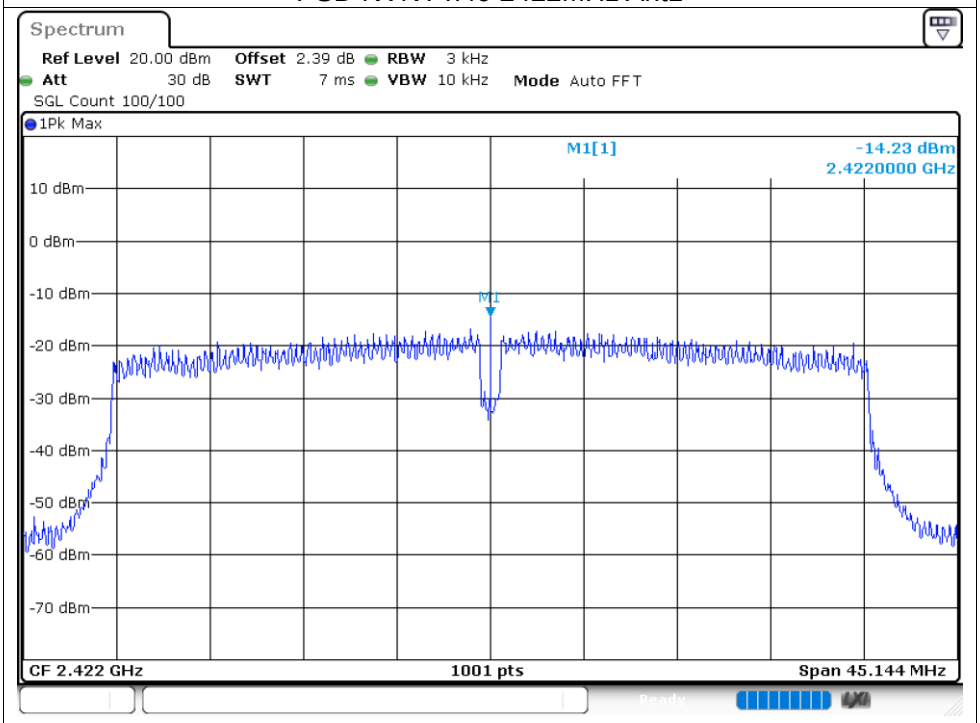


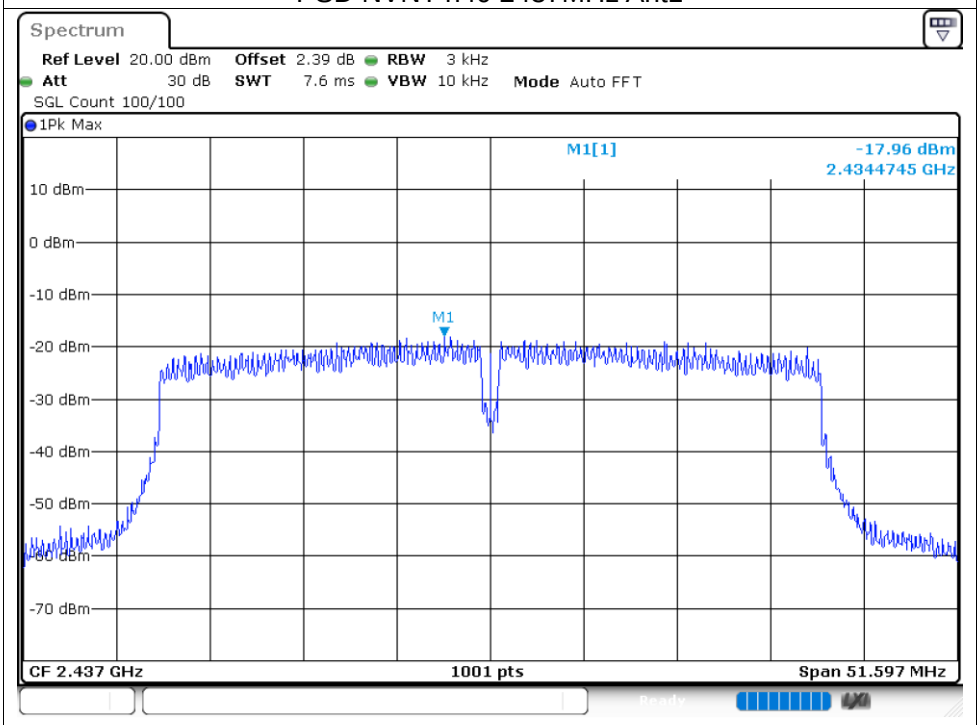
PSD NVNT n20 2462MHz Ant2



PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



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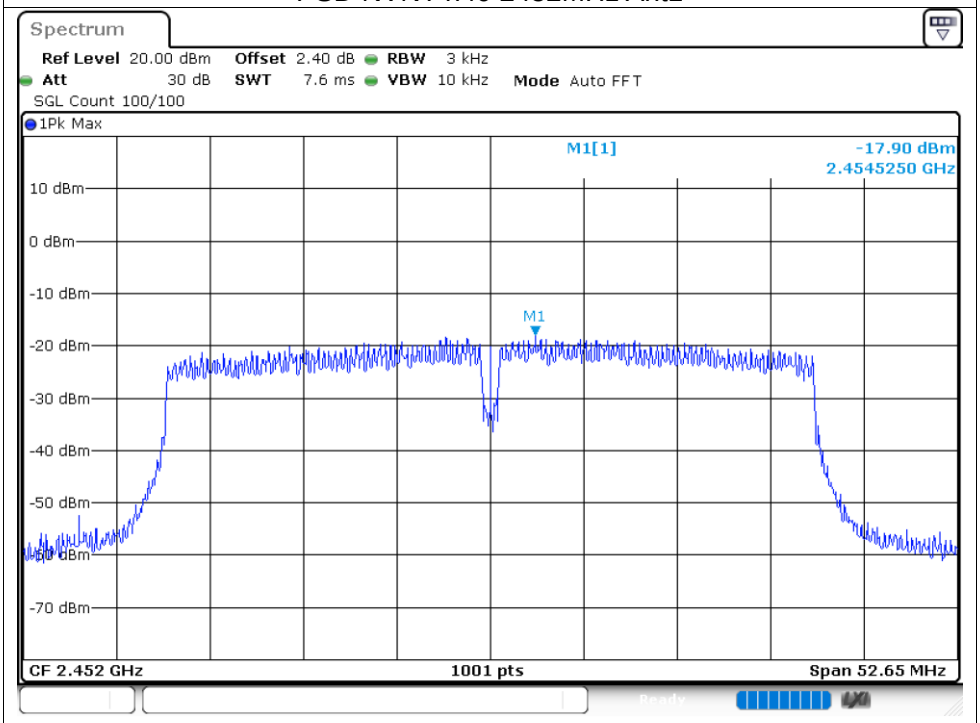
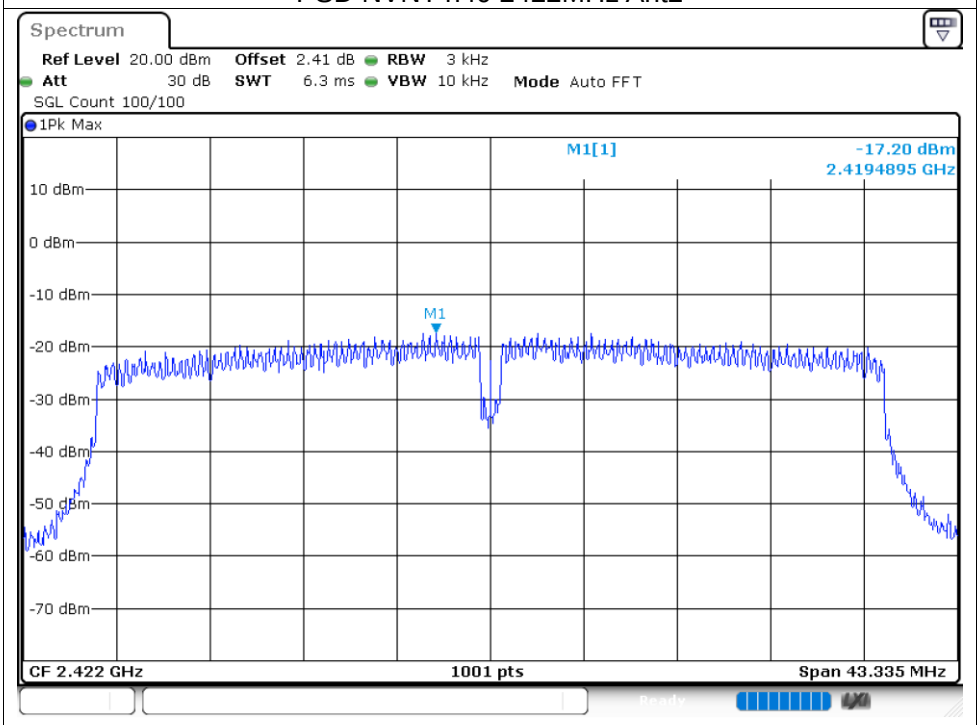
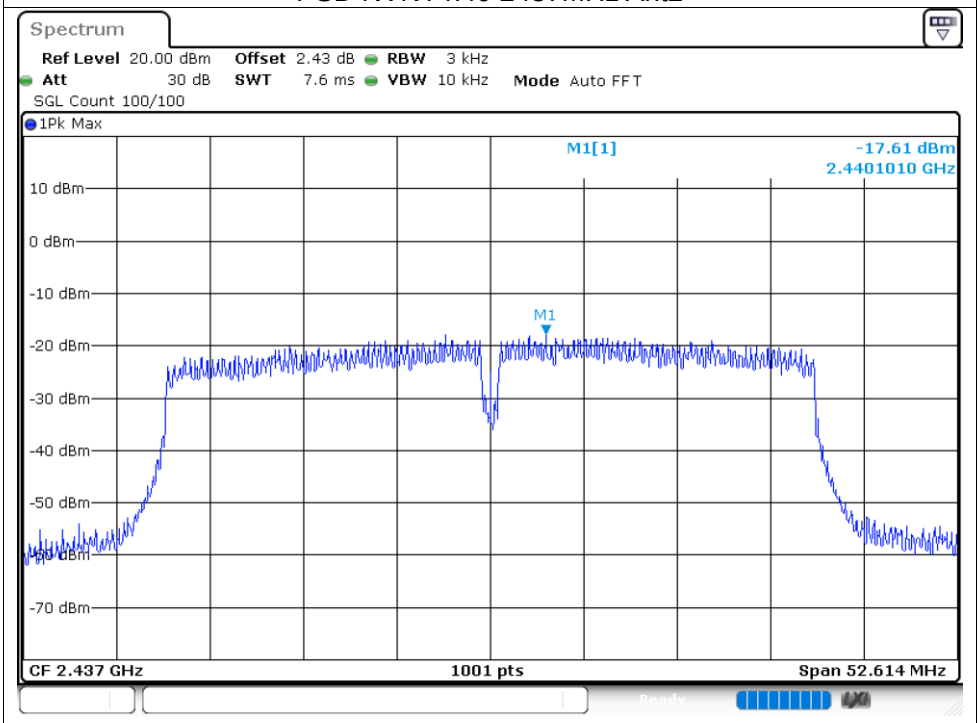


PSD NVNT n40 2422MHz Ant2



PSD NVNT n40 2437MHz Ant2



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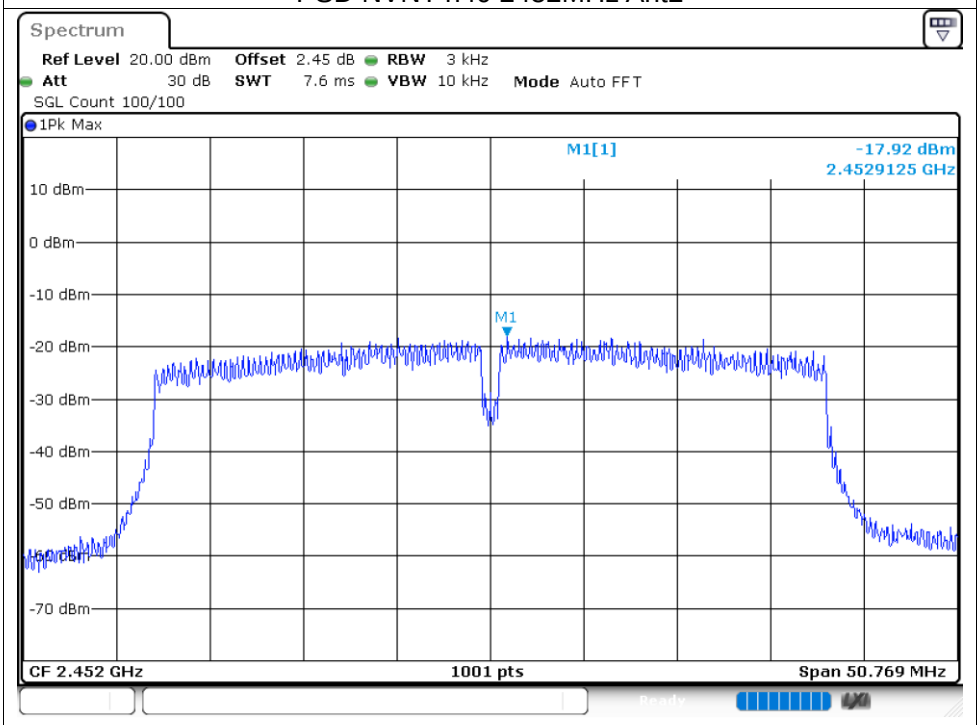
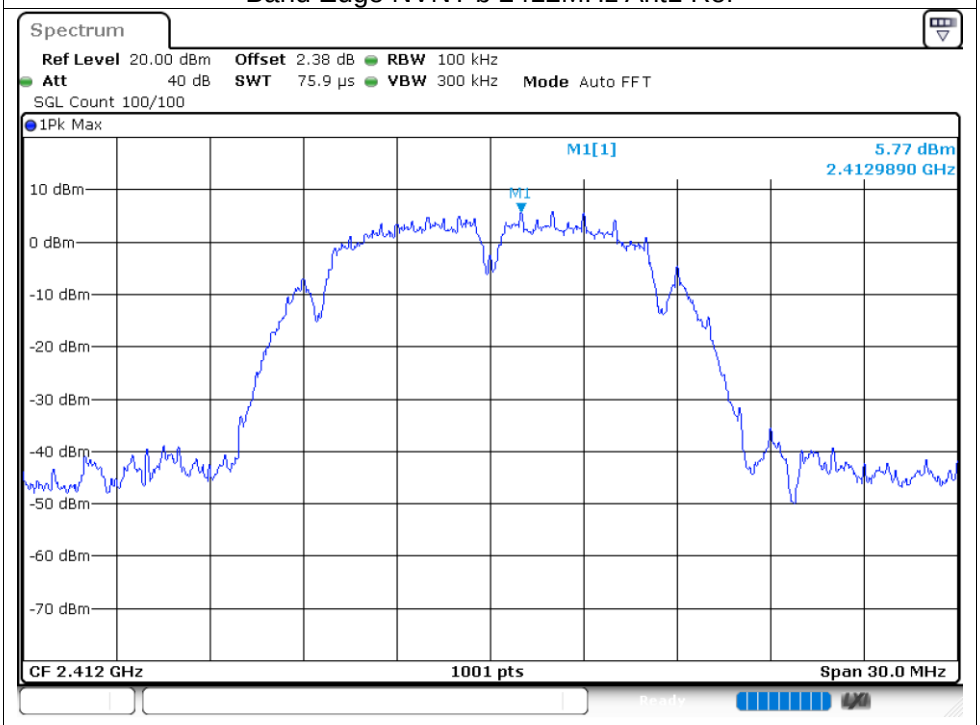


8.1.6 Band Edge

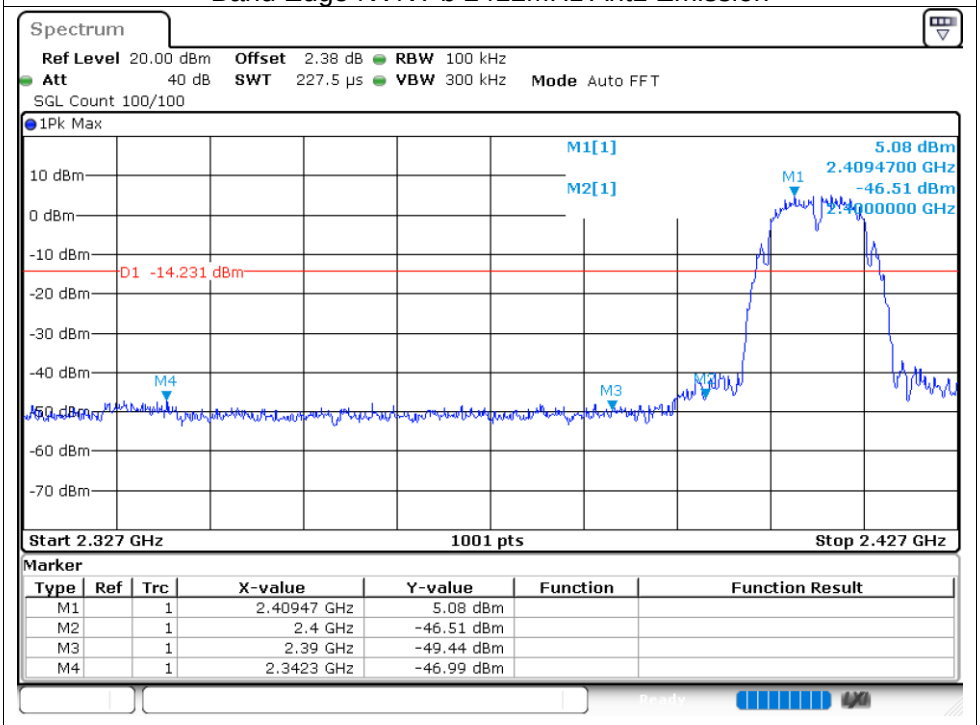
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.75	-20	Pass
NVNT	b	2462	Ant1	-52.7	-20	Pass
NVNT	b	2412	Ant2	-62.11	-20	Pass
NVNT	b	2462	Ant2	-59.41	-20	Pass
NVNT	g	2412	Ant1	-40.21	-20	Pass
NVNT	g	2462	Ant1	-39.03	-20	Pass
NVNT	g	2412	Ant2	-39.54	-20	Pass
NVNT	g	2462	Ant2	-42	-20	Pass
NVNT	n20	2412	Ant1	-39.41	-20	Pass
NVNT	n20	2462	Ant1	-41.08	-20	Pass
NVNT	n20	2412	Ant2	-39.14	-20	Pass
NVNT	n20	2462	Ant2	-37.26	-20	Pass
NVNT	n40	2422	Ant1	-40.52	-20	Pass
NVNT	n40	2452	Ant1	-41.17	-20	Pass
NVNT	n40	2422	Ant2	-40.91	-20	Pass
NVNT	n40	2452	Ant2	-39.19	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



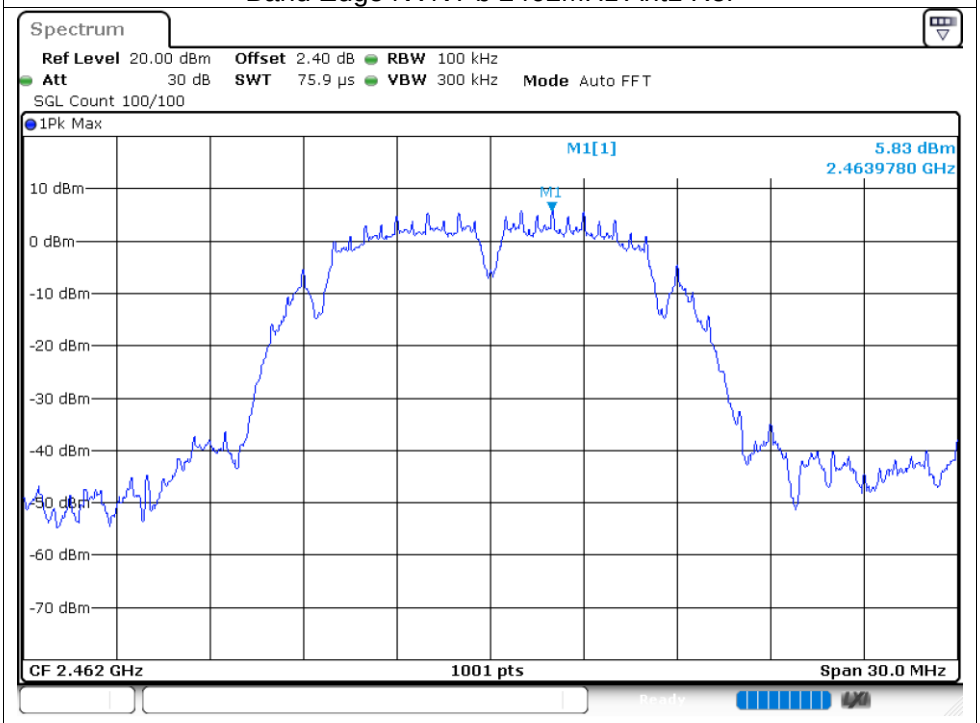
Band Edge NVNT b 2412MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40947 GHz	5.08 dBm		
M2		1	2.4 GHz	-46.51 dBm		
M3		1	2.39 GHz	-49.44 dBm		
M4		1	2.3423 GHz	-46.99 dBm		

Band Edge NVNT b 2462MHz Ant1 Ref

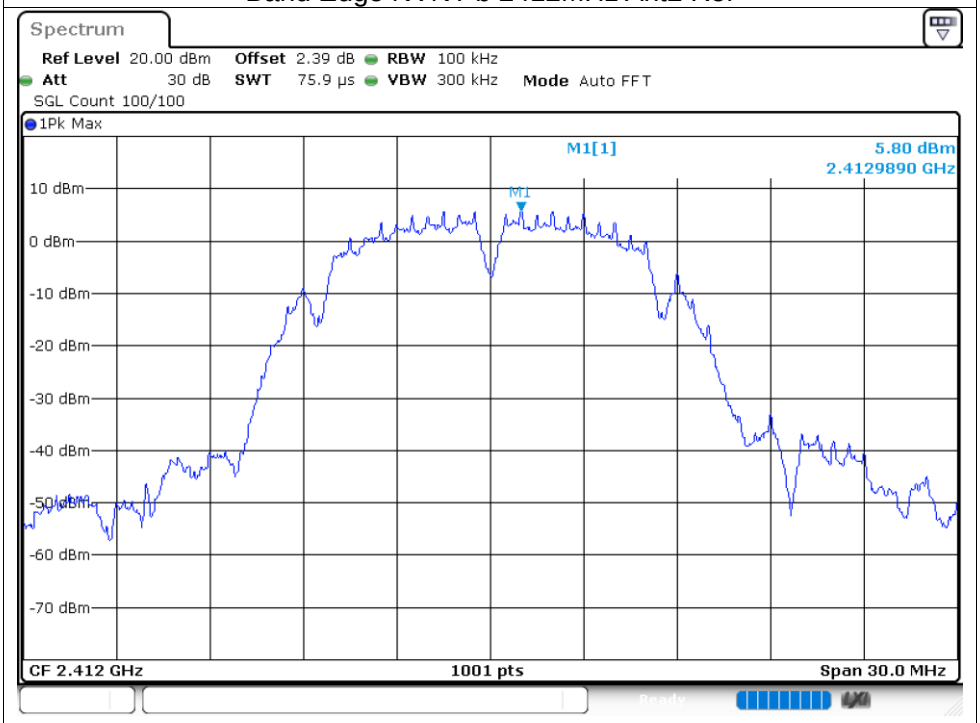


Band Edge NVNT b 2462MHz Ant1 Emission

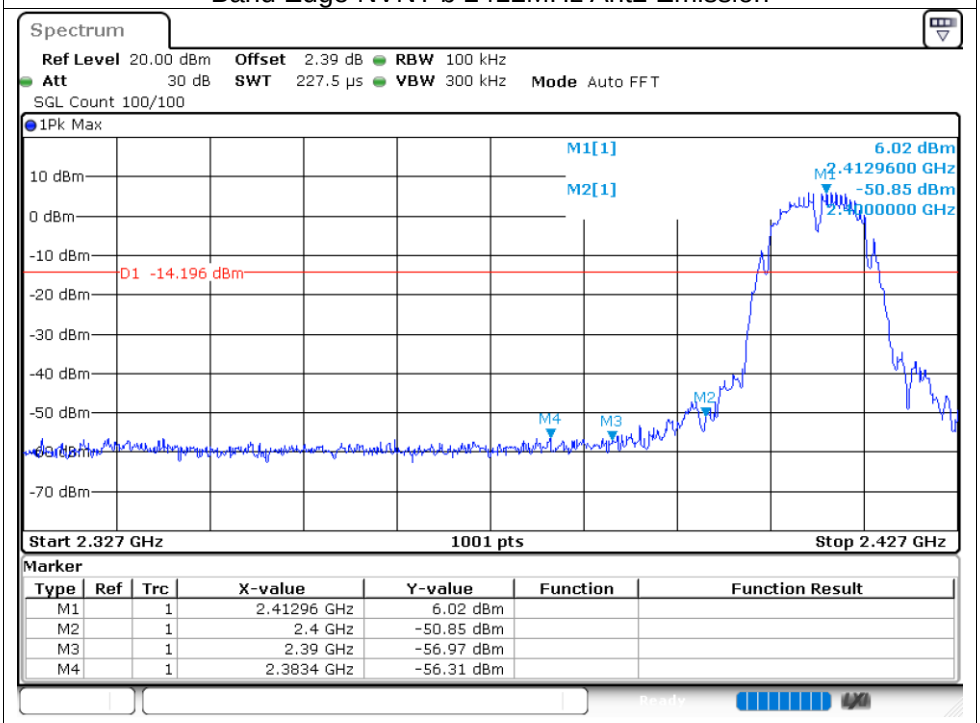
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46403 GHz	5.65 dBm		
M2		1	2.4835 GHz	-48.47 dBm		
M3		1	2.5 GHz	-56.99 dBm		
M4		1	2.4945 GHz	-46.87 dBm		

Band Edge NVNT b 2412MHz Ant2 Ref



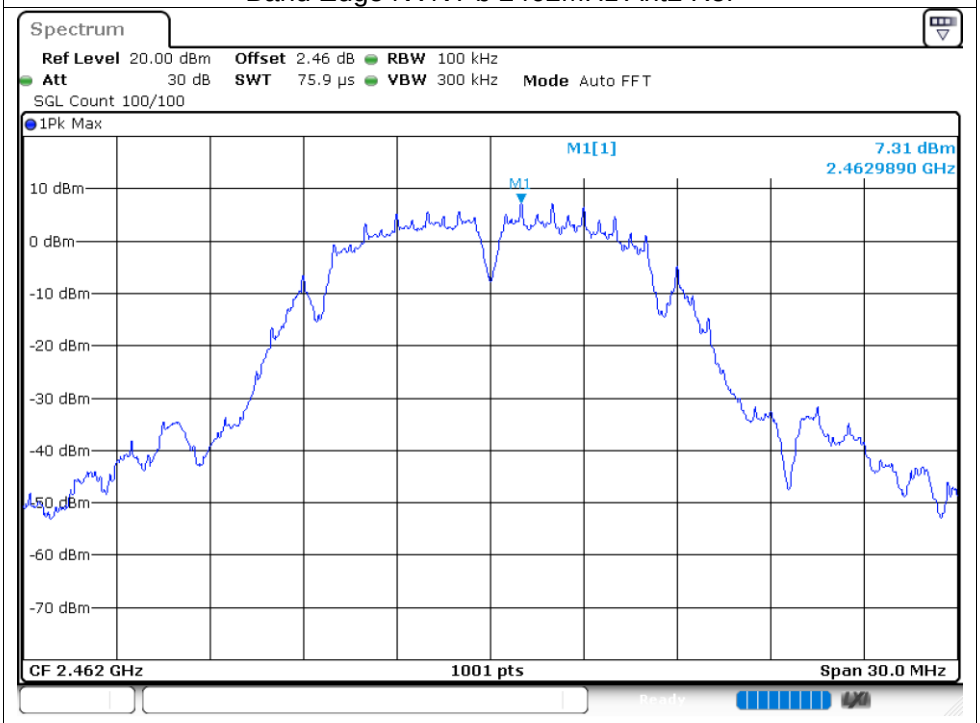
Band Edge NVNT b 2412MHz Ant2 Emission



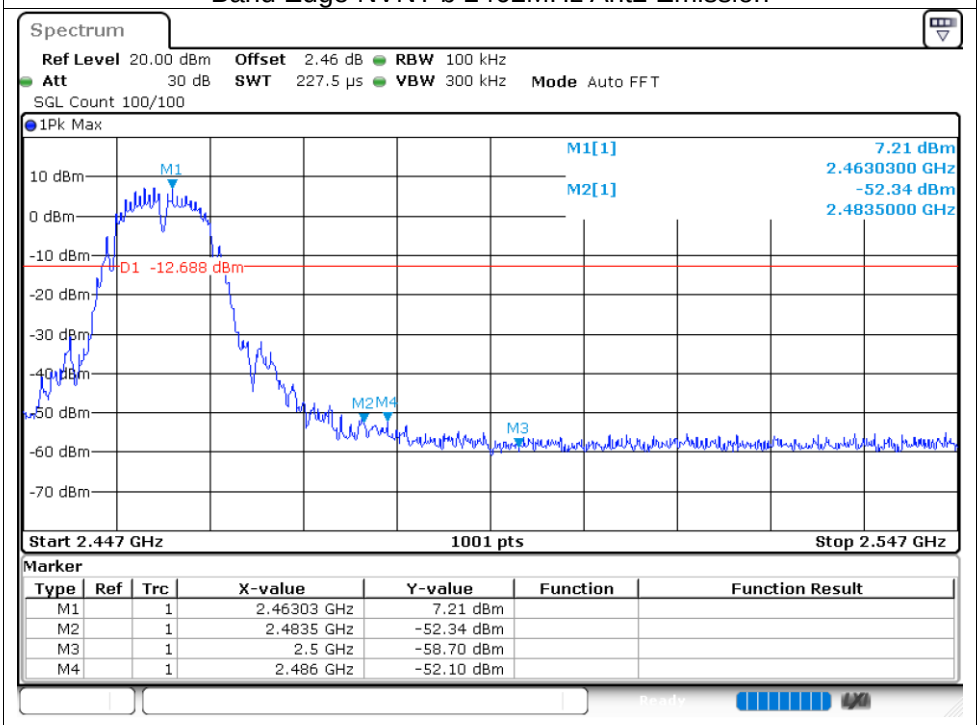
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41296 GHz	6.02 dBm		
M2		1	2.4 GHz	-50.85 dBm		
M3		1	2.39 GHz	-56.97 dBm		
M4		1	2.3834 GHz	-56.31 dBm		

Band Edge NVNT b 2462MHz Ant2 Ref

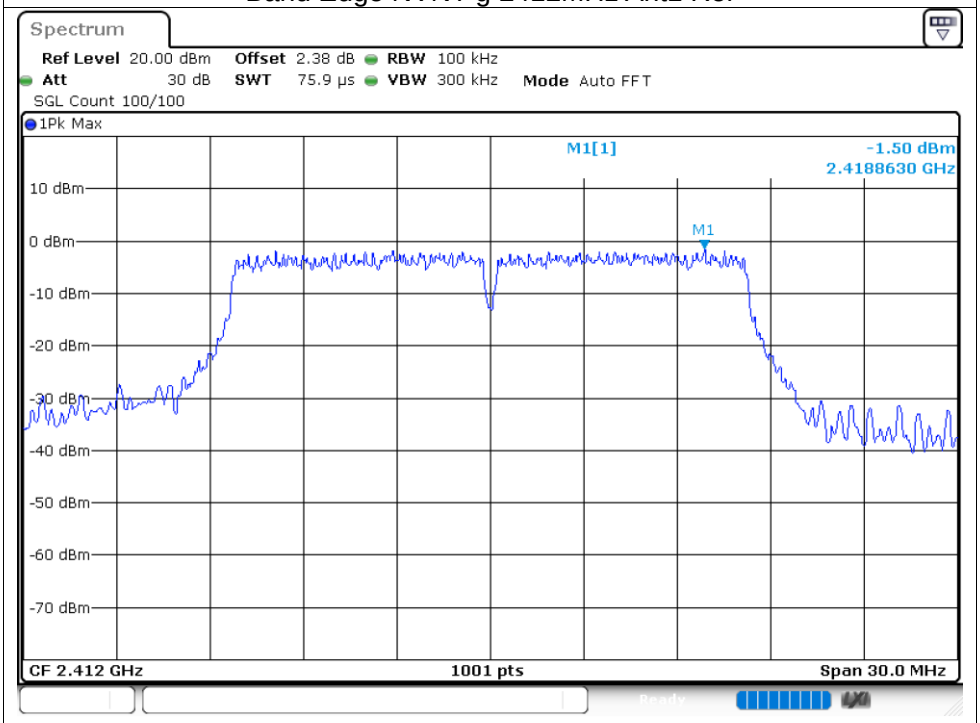


Band Edge NVNT b 2462MHz Ant2 Emission

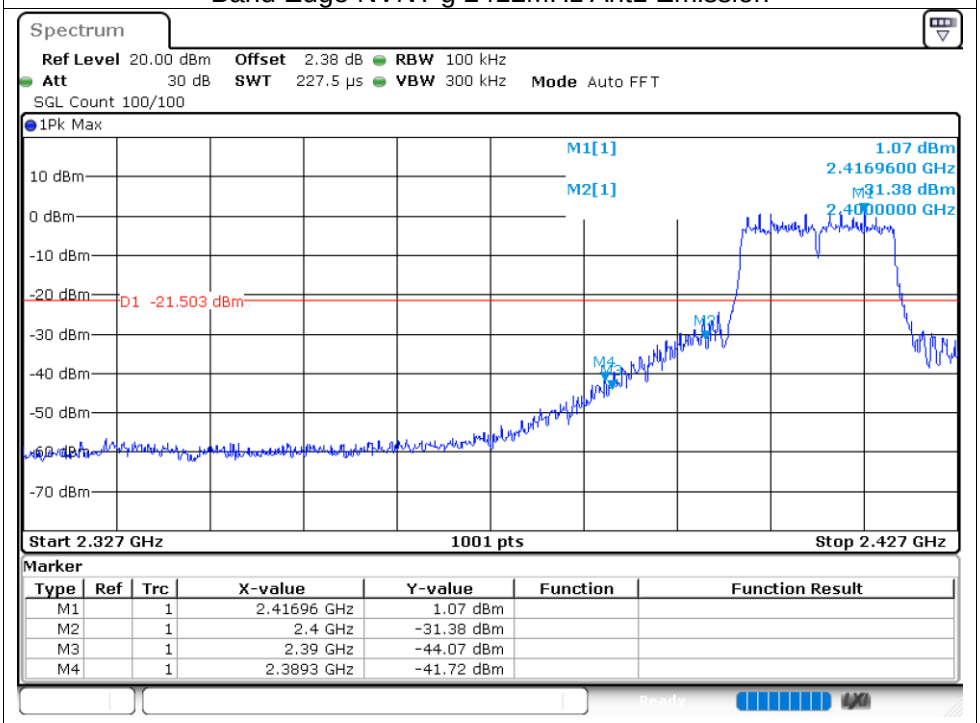


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46303 GHz	7.21 dBm		
M2		1	2.4835 GHz	-52.34 dBm		
M3		1	2.5 GHz	-58.70 dBm		
M4		1	2.486 GHz	-52.10 dBm		

Band Edge NVNT g 2412MHz Ant1 Ref



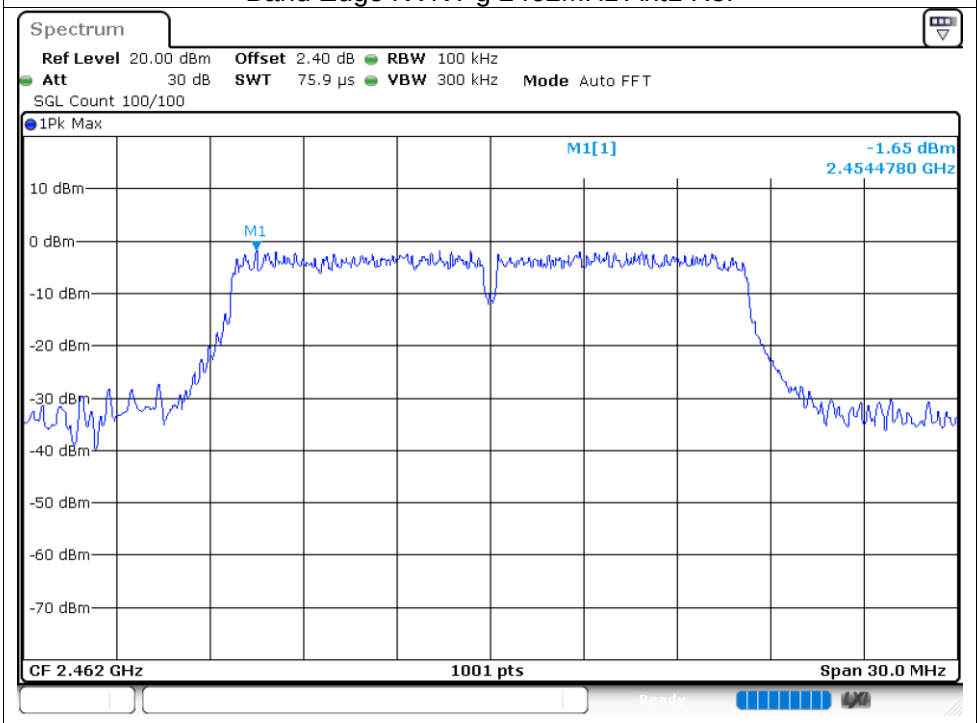
Band Edge NVNT g 2412MHz Ant1 Emission



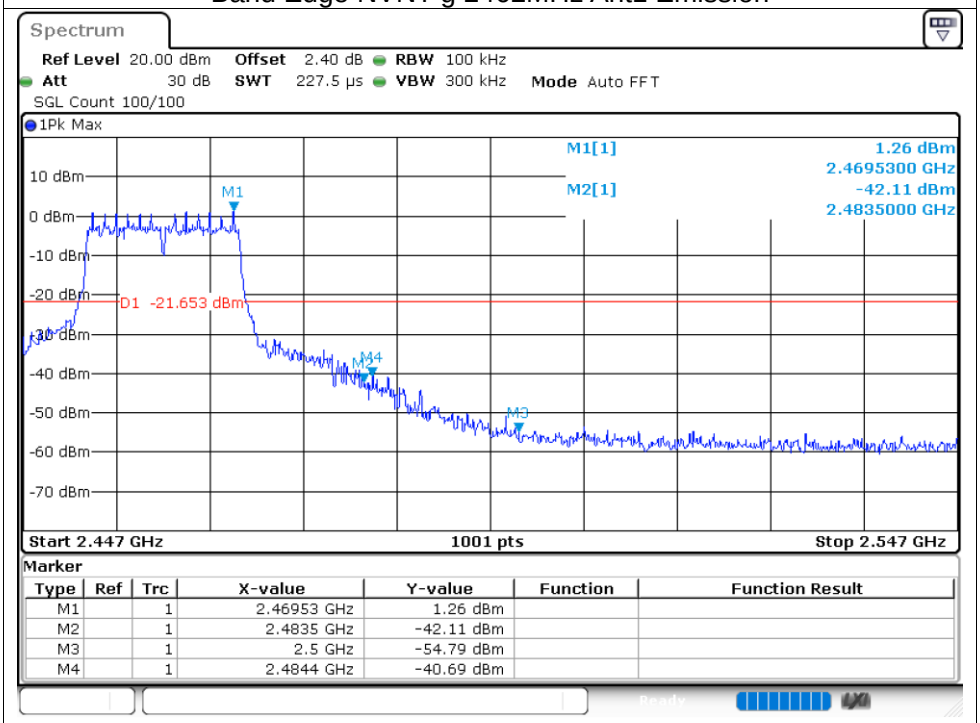
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41696 GHz	1.07 dBm		
M2		1	2.4 GHz	-31.38 dBm		
M3		1	2.39 GHz	-44.07 dBm		
M4		1	2.3893 GHz	-41.72 dBm		

Band Edge NVNT g 2462MHz Ant1 Ref



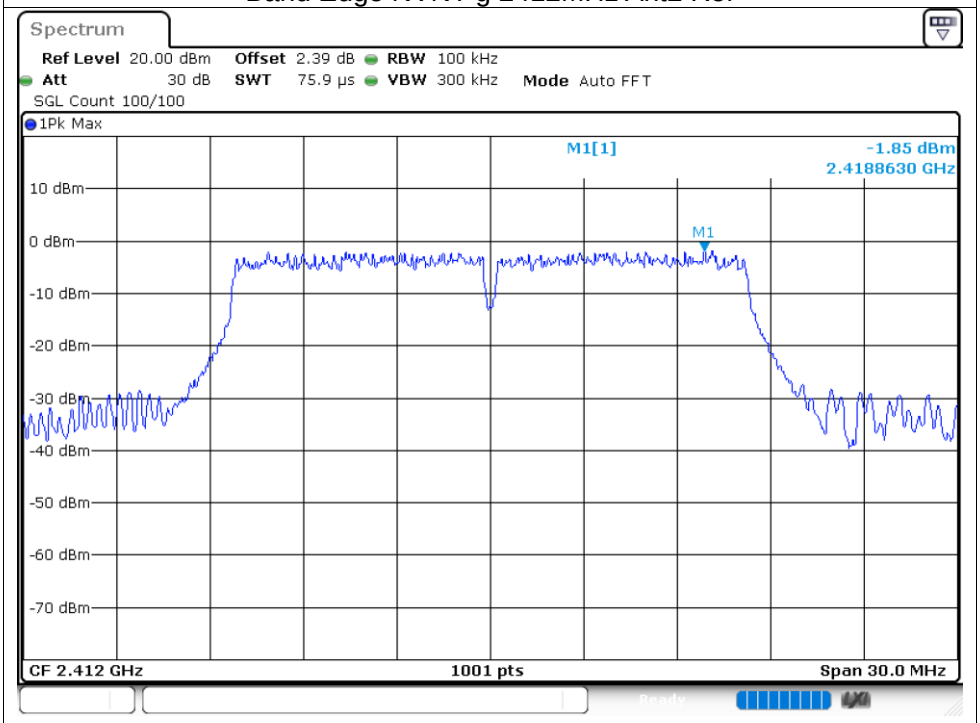
Band Edge NVNT g 2462MHz Ant1 Emission



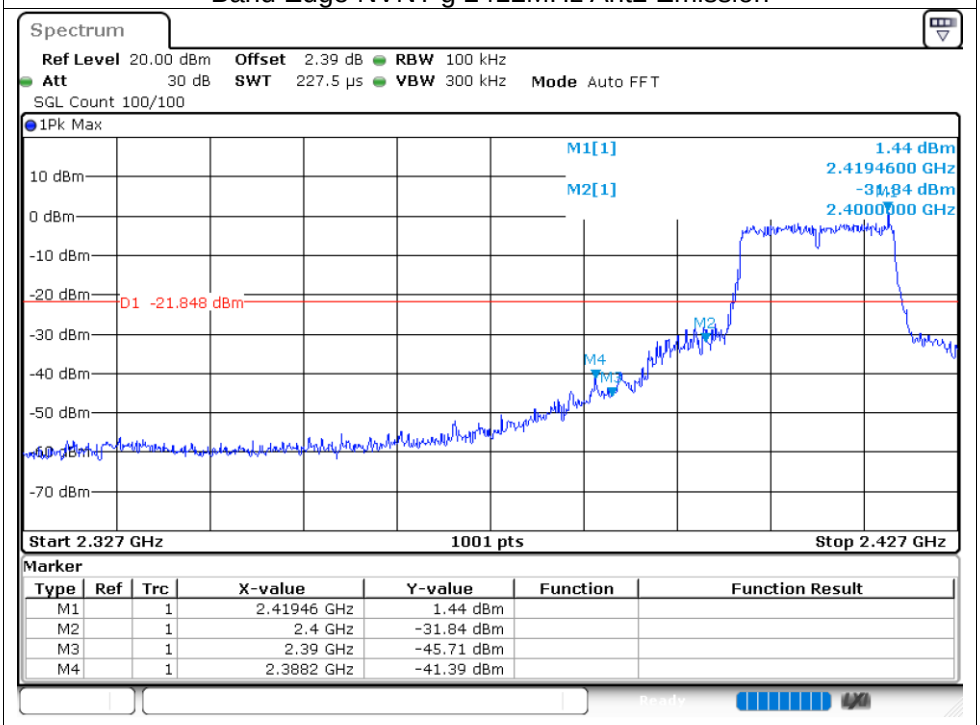
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46953 GHz	1.26 dBm		
M2		1	2.4835 GHz	-42.11 dBm		
M3		1	2.5 GHz	-54.79 dBm		
M4		1	2.4844 GHz	-40.69 dBm		

Band Edge NVNT g 2412MHz Ant2 Ref



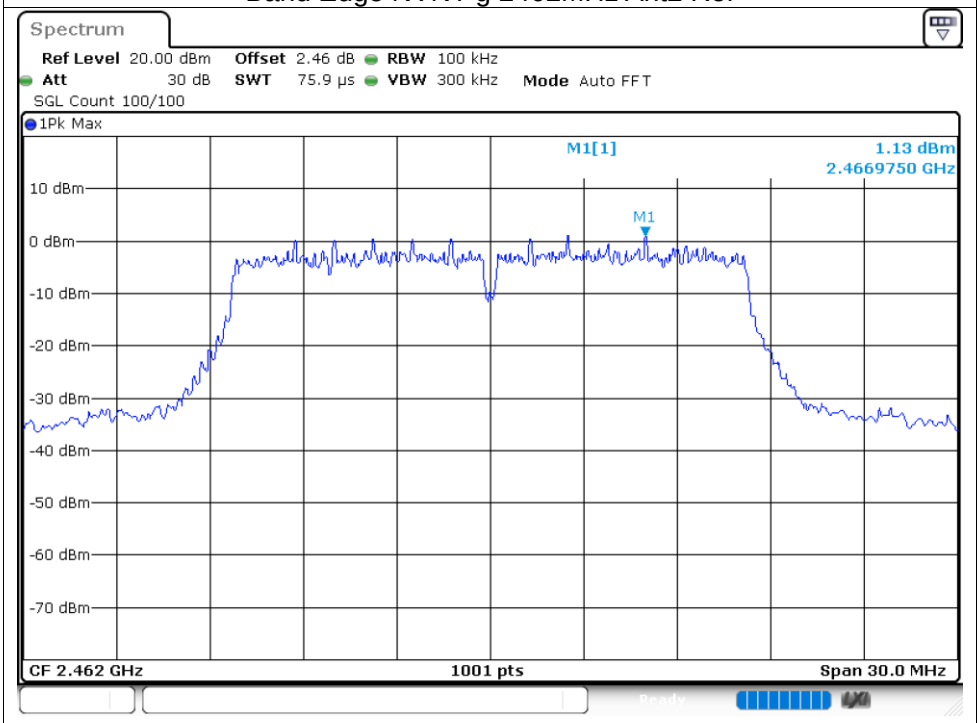
Band Edge NVNT g 2412MHz Ant2 Emission



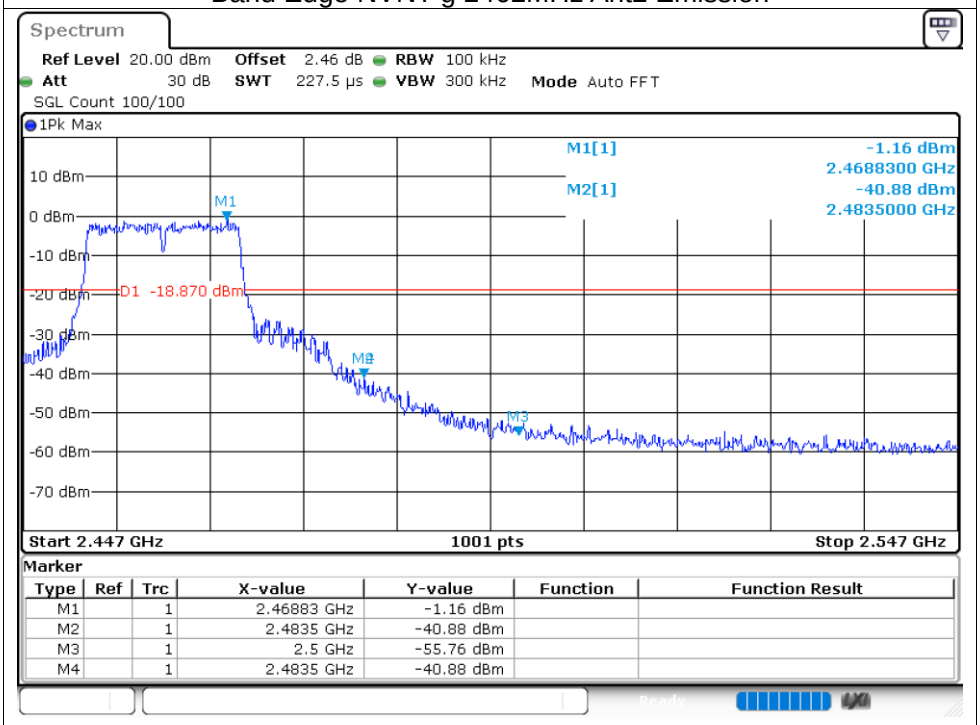
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41946 GHz	1.44 dBm		
M2		1	2.4 GHz	-31.84 dBm		
M3		1	2.39 GHz	-45.71 dBm		
M4		1	2.3882 GHz	-41.39 dBm		

Band Edge NVNT g 2462MHz Ant2 Ref



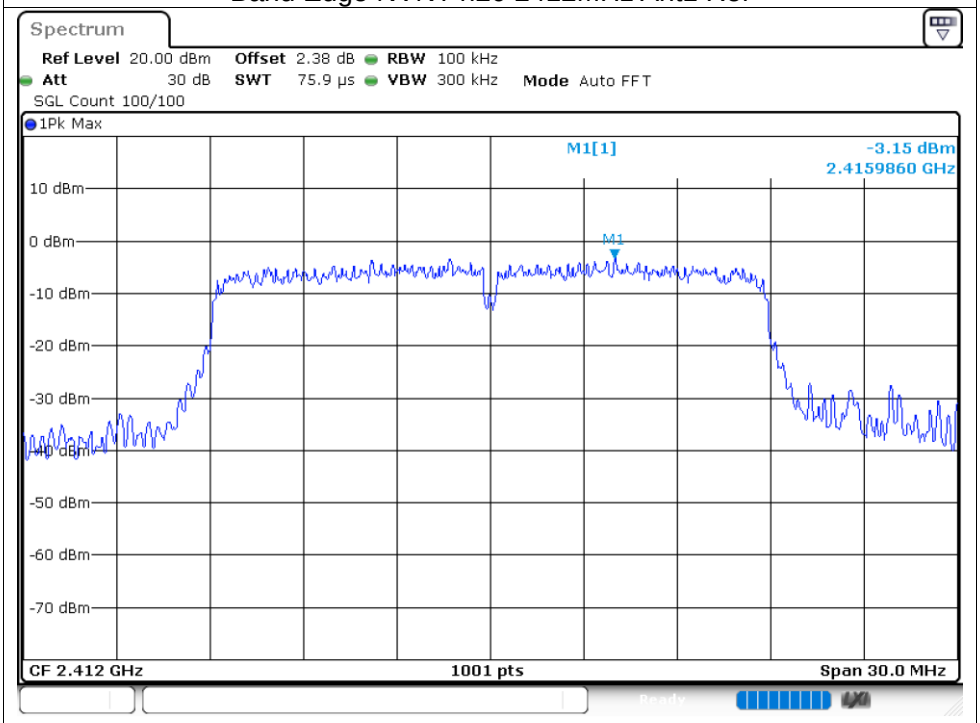
Band Edge NVNT g 2462MHz Ant2 Emission



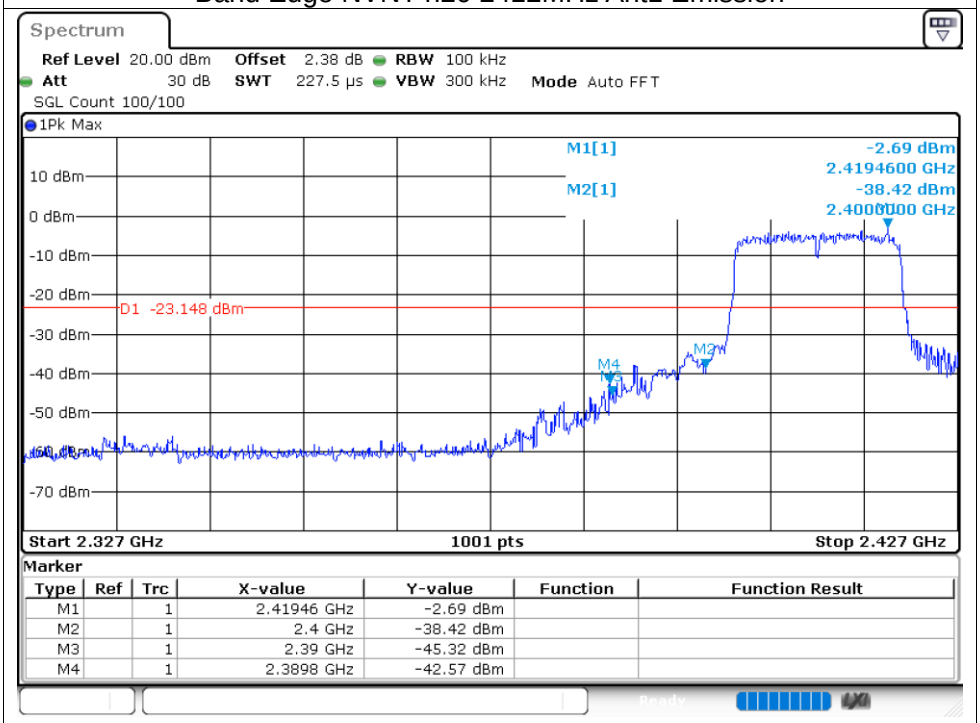
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46883 GHz	-1.16 dBm		
M2		1	2.4835 GHz	-40.88 dBm		
M3		1	2.5 GHz	-55.76 dBm		
M4		1	2.4835 GHz	-40.88 dBm		

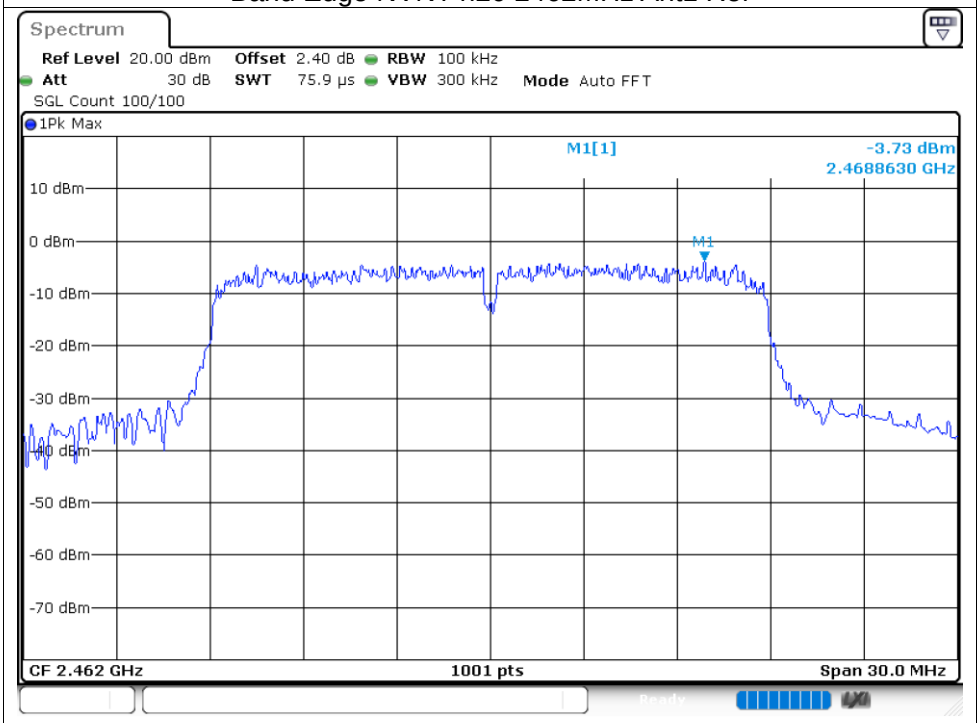
Band Edge NVNT n20 2412MHz Ant1 Ref



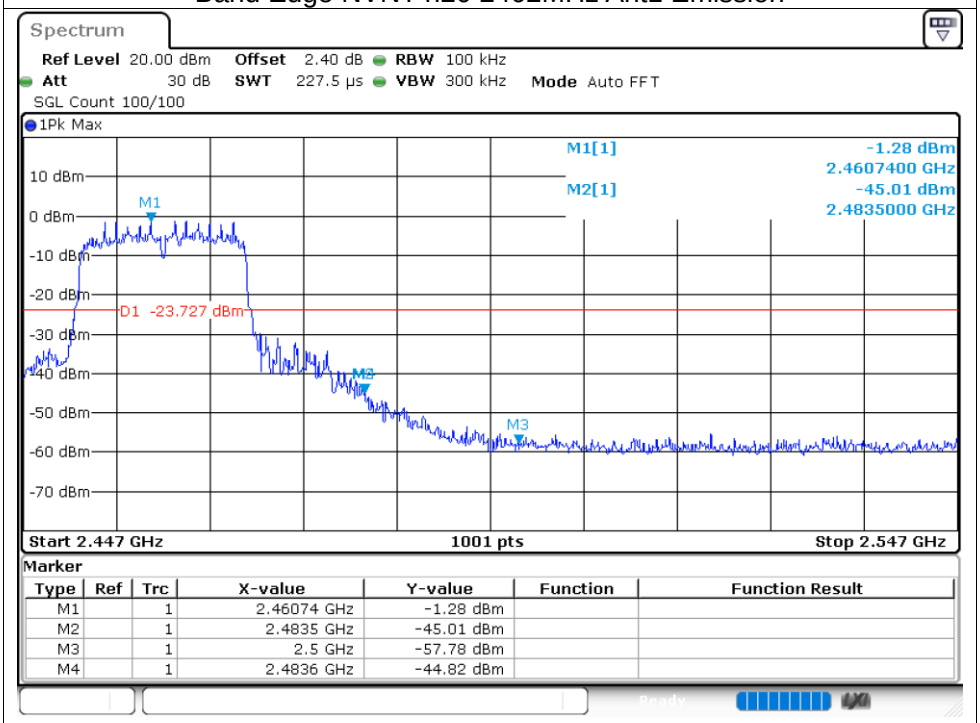
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



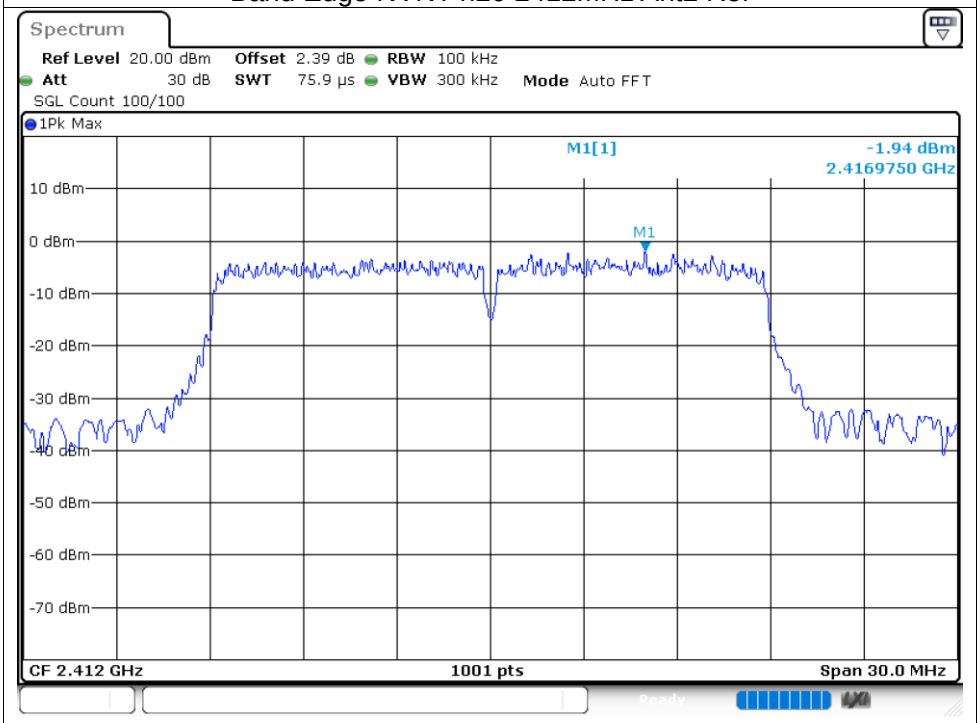
Band Edge NVNT n20 2462MHz Ant1 Emission



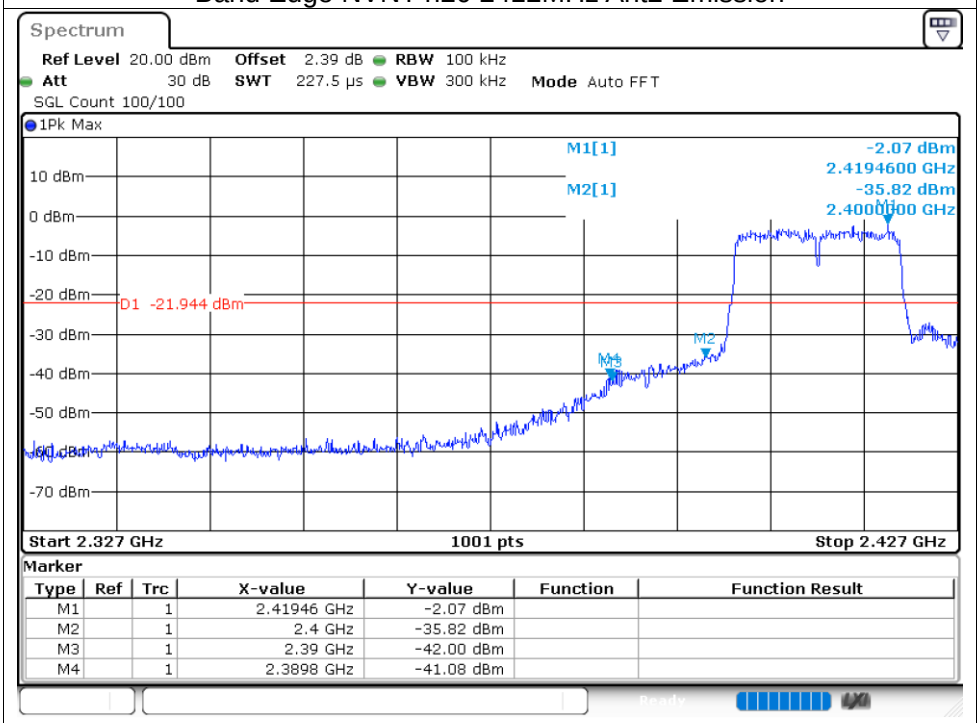
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46074 GHz	-1.28 dBm		
M2		1	2.4835 GHz	-45.01 dBm		
M3		1	2.5 GHz	-57.78 dBm		
M4		1	2.4836 GHz	-44.82 dBm		

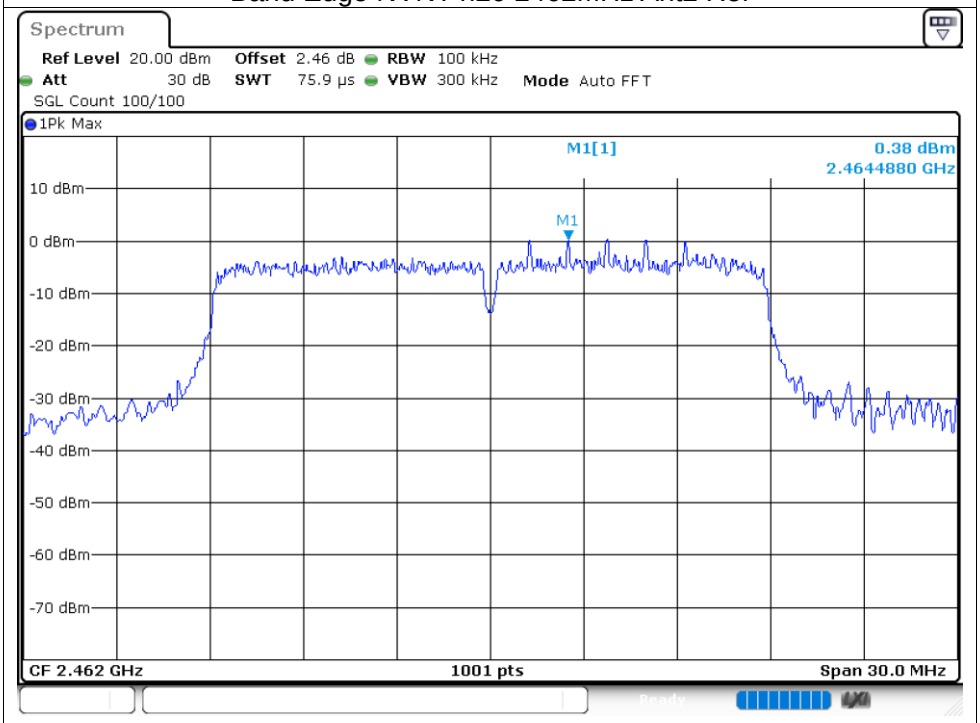
Band Edge NVNT n20 2412MHz Ant2 Ref



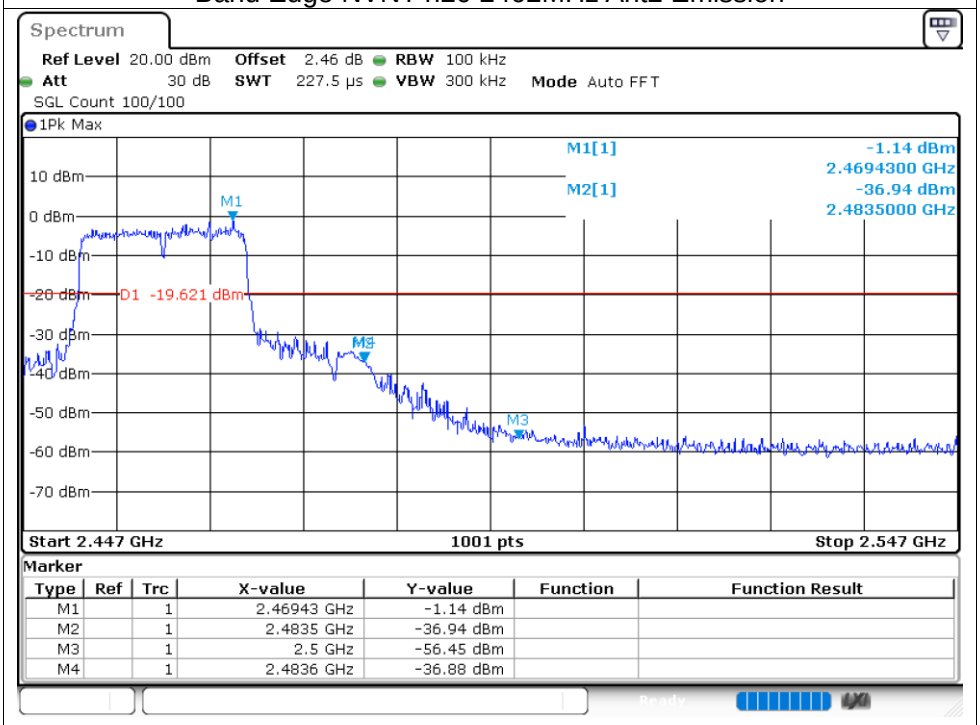
Band Edge NVNT n20 2412MHz Ant2 Emission



Band Edge NVNT n20 2462MHz Ant2 Ref



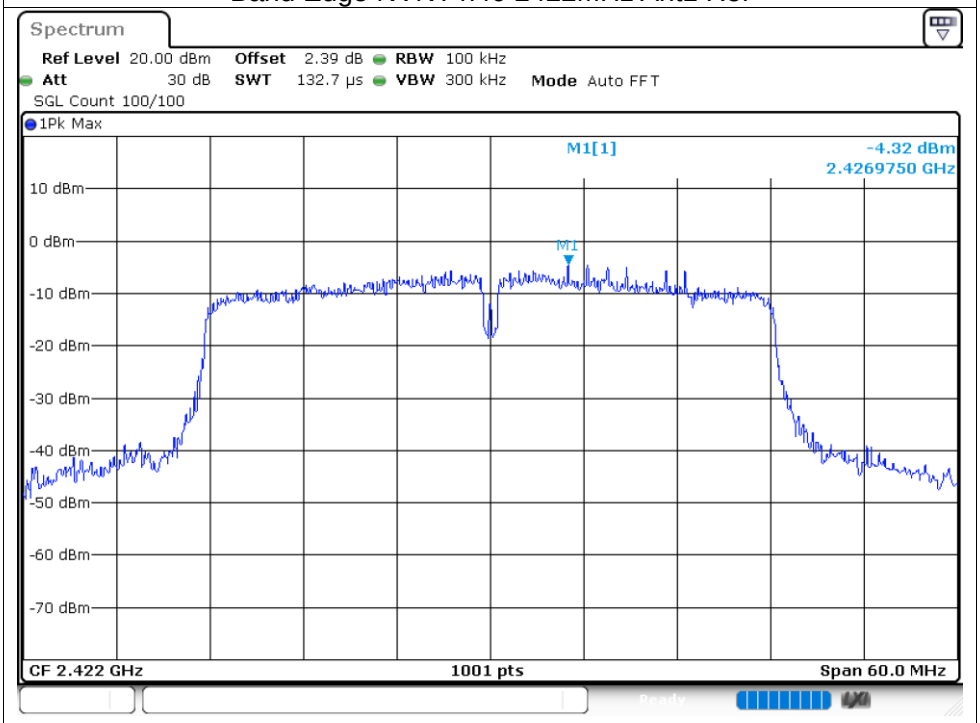
Band Edge NVNT n20 2462MHz Ant2 Emission



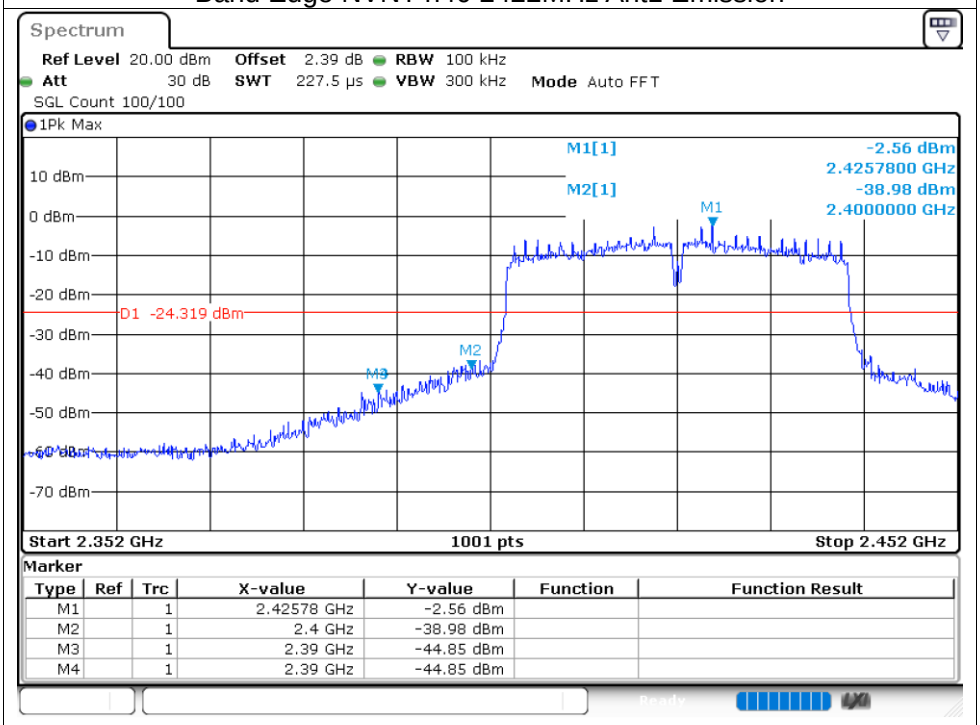
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46943 GHz	-1.14 dBm		
M2		1	2.4835 GHz	-36.94 dBm		
M3		1	2.5 GHz	-56.45 dBm		
M4		1	2.4836 GHz	-36.88 dBm		

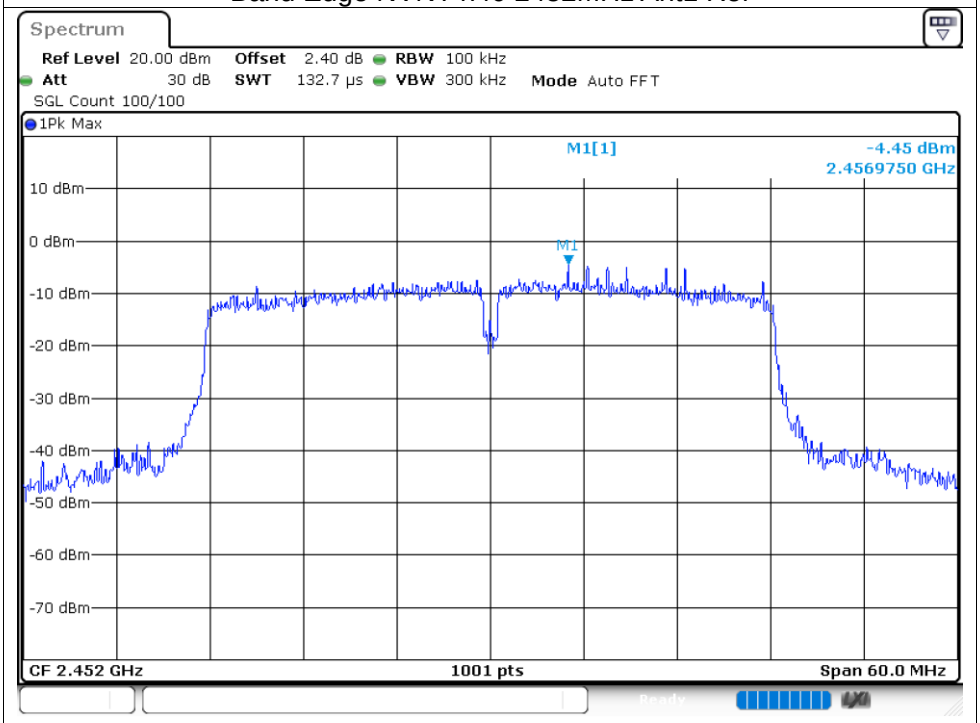
Band Edge NVNT n40 2422MHz Ant1 Ref



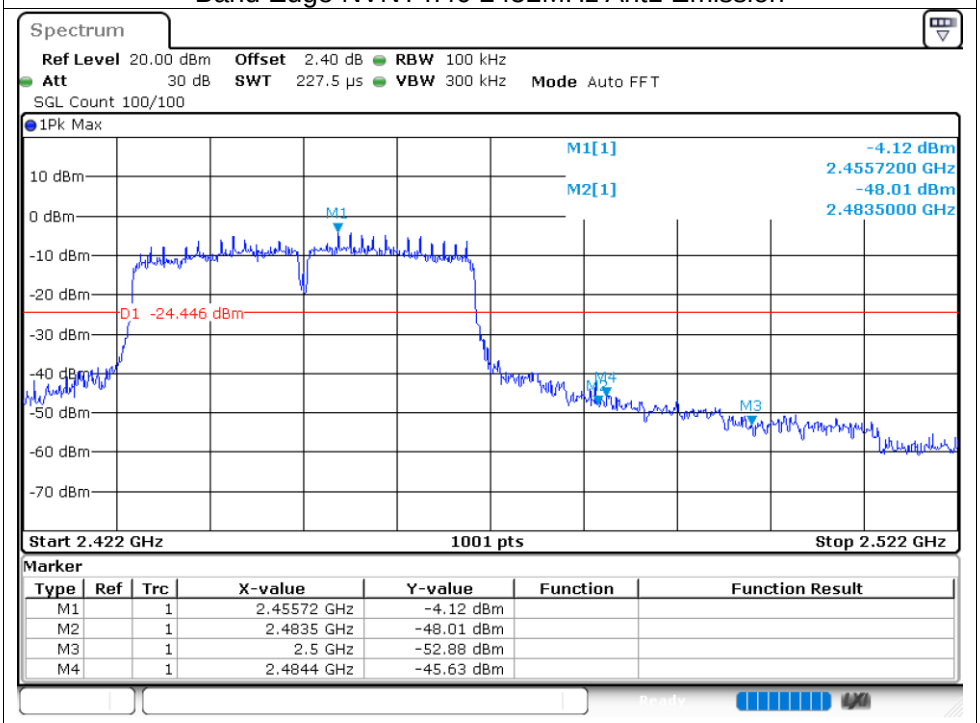
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



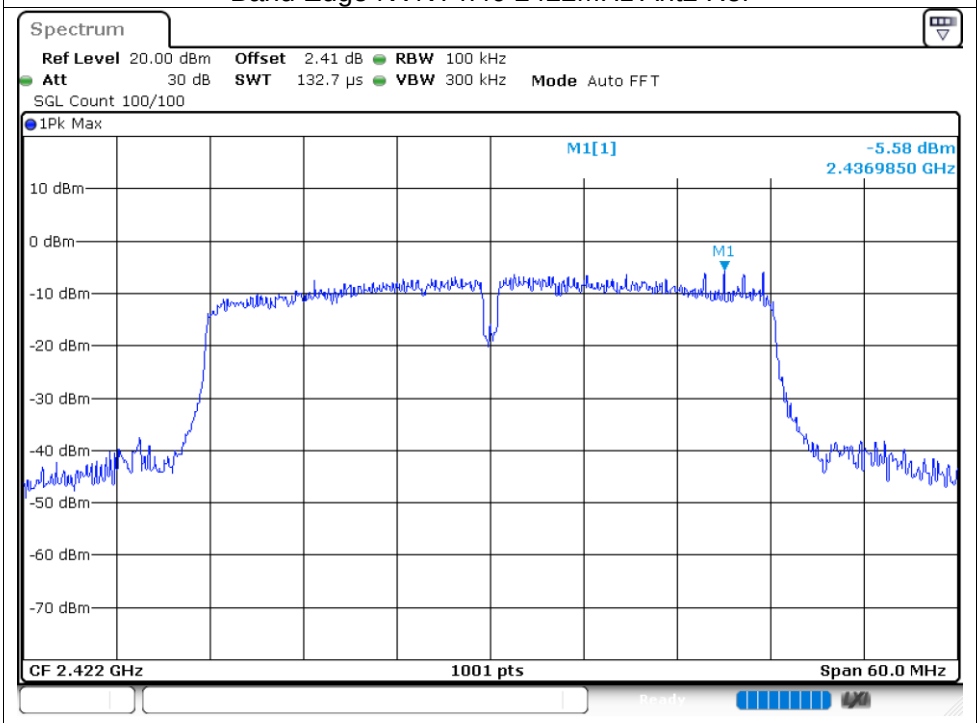
Band Edge NVNT n40 2452MHz Ant1 Emission



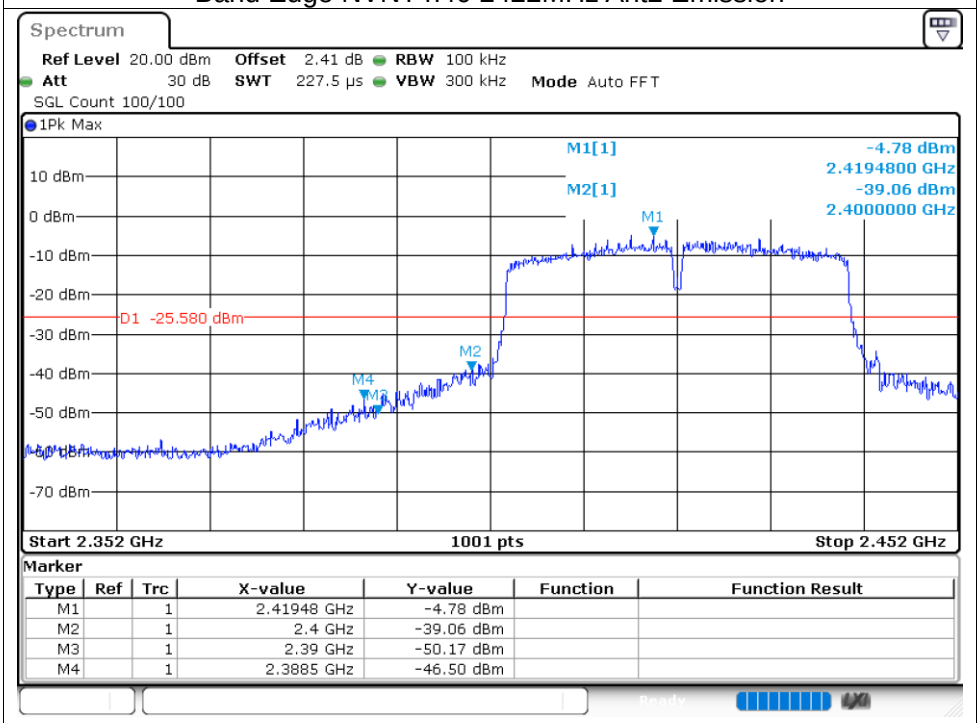
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45572 GHz	-4.12 dBm		
M2		1	2.4835 GHz	-48.01 dBm		
M3		1	2.5 GHz	-52.88 dBm		
M4		1	2.4844 GHz	-45.63 dBm		

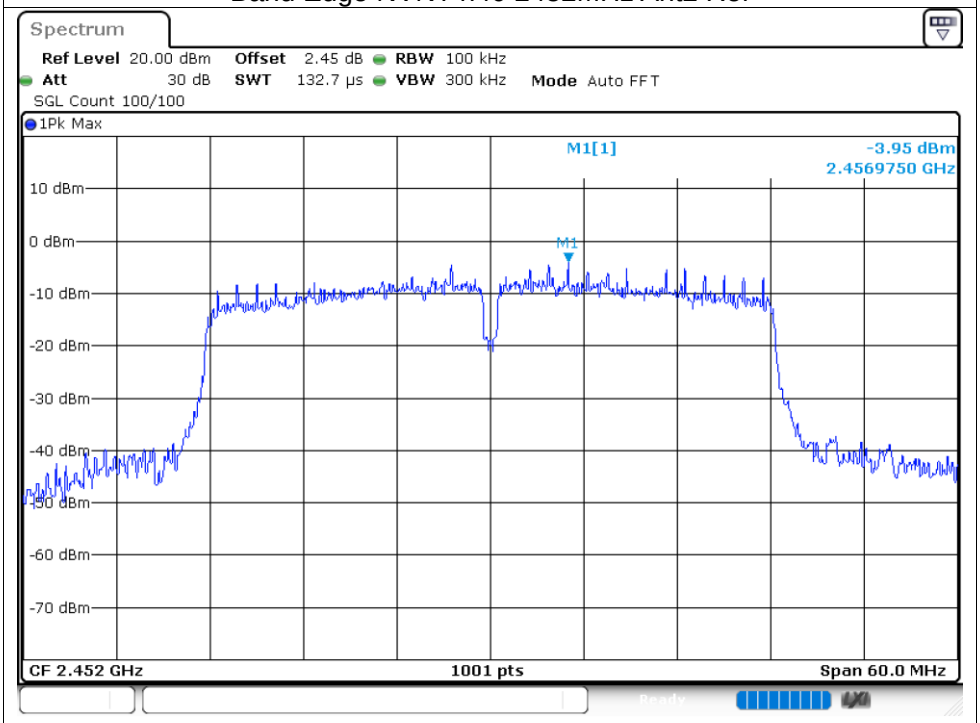
Band Edge NVNT n40 2422MHz Ant2 Ref



Band Edge NVNT n40 2422MHz Ant2 Emission



Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission

Marker

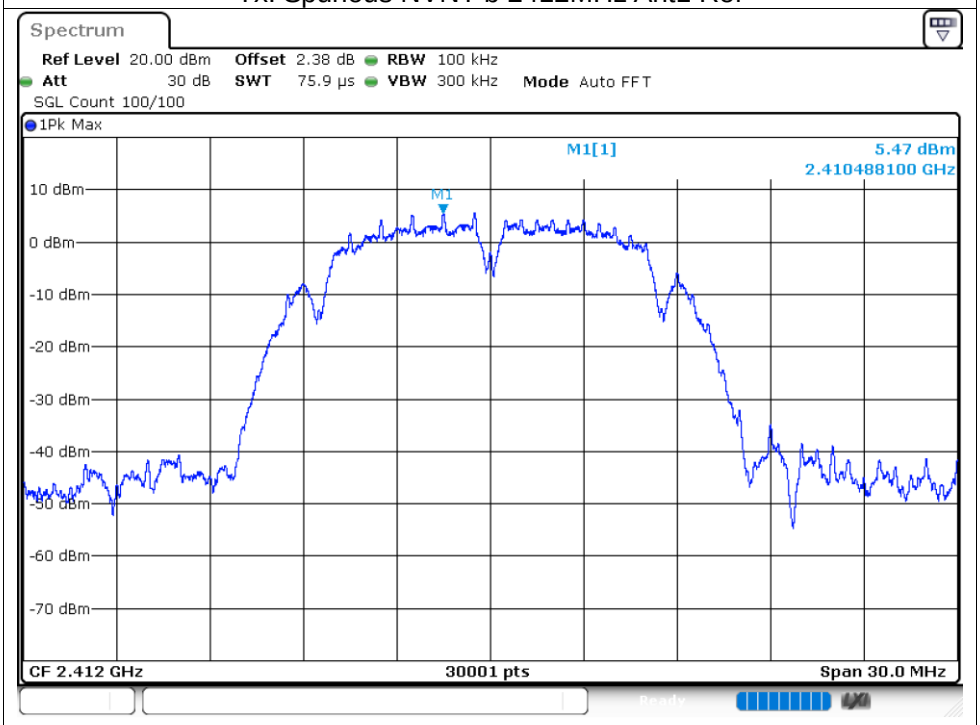
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45572 GHz	-3.72 dBm		
M2		1	2.4835 GHz	-44.49 dBm		
M3		1	2.5 GHz	-56.16 dBm		
M4		1	2.4842 GHz	-43.14 dBm		

8.1.7 Conducted RF Spurious Emission

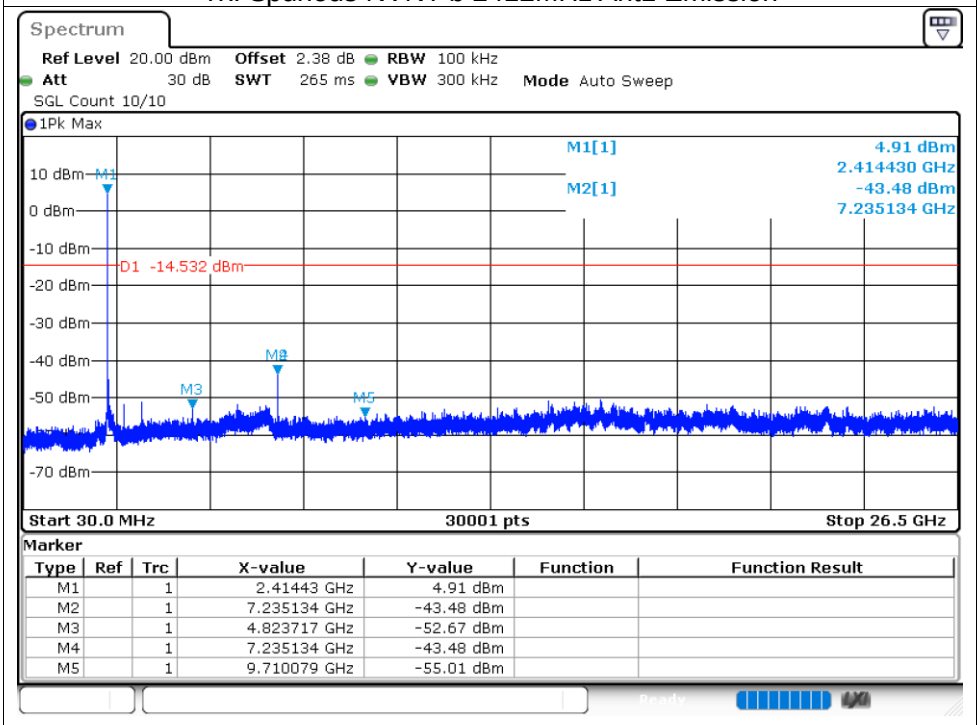
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.95	-20	Pass
NVNT	b	2437	Ant1	-56.29	-20	Pass
NVNT	b	2462	Ant1	-56.43	-20	Pass
NVNT	b	2412	Ant2	-52.58	-20	Pass
NVNT	b	2437	Ant2	-54.32	-20	Pass
NVNT	b	2462	Ant2	-56.61	-20	Pass
NVNT	g	2412	Ant1	-48.18	-20	Pass
NVNT	g	2437	Ant1	-50.06	-20	Pass
NVNT	g	2462	Ant1	-52.16	-20	Pass
NVNT	g	2412	Ant2	-47.5	-20	Pass
NVNT	g	2437	Ant2	-49.37	-20	Pass
NVNT	g	2462	Ant2	-51.39	-20	Pass
NVNT	n20	2412	Ant1	-47.21	-20	Pass
NVNT	n20	2437	Ant1	-47.29	-20	Pass
NVNT	n20	2462	Ant1	-48.2	-20	Pass
NVNT	n20	2412	Ant2	-44.45	-20	Pass
NVNT	n20	2437	Ant2	-44.04	-20	Pass
NVNT	n20	2462	Ant2	-50.36	-20	Pass
NVNT	n40	2422	Ant1	-41.79	-20	Pass
NVNT	n40	2437	Ant1	-43.15	-20	Pass
NVNT	n40	2452	Ant1	-45.07	-20	Pass
NVNT	n40	2422	Ant2	-47.43	-20	Pass
NVNT	n40	2437	Ant2	-47.42	-20	Pass
NVNT	n40	2452	Ant2	-45.26	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



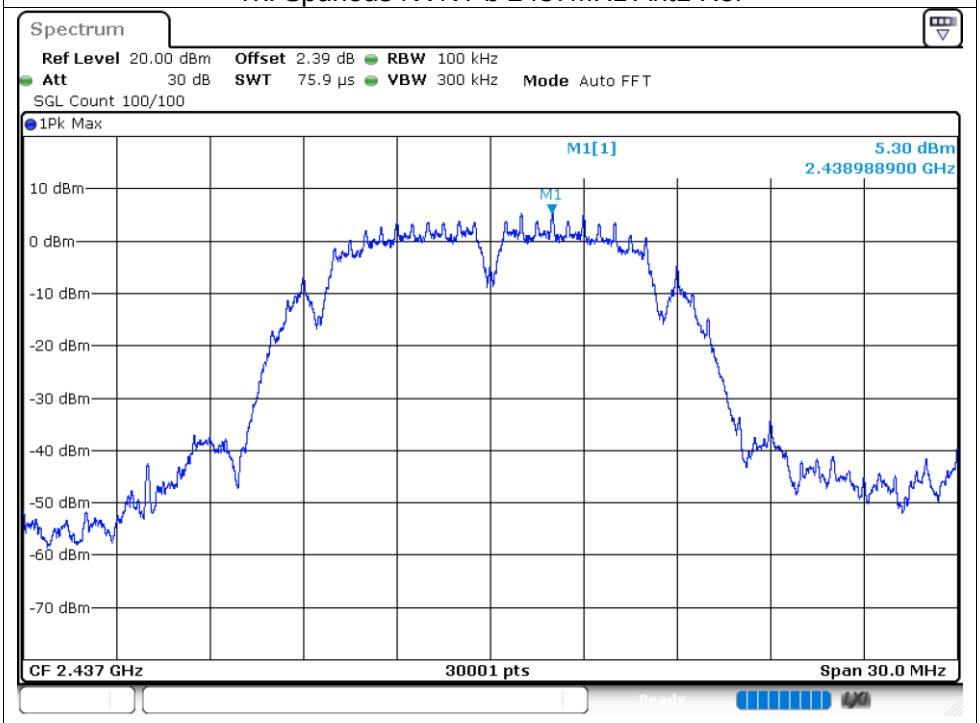
Tx. Spurious NVNT b 2412MHz Ant1 Emission



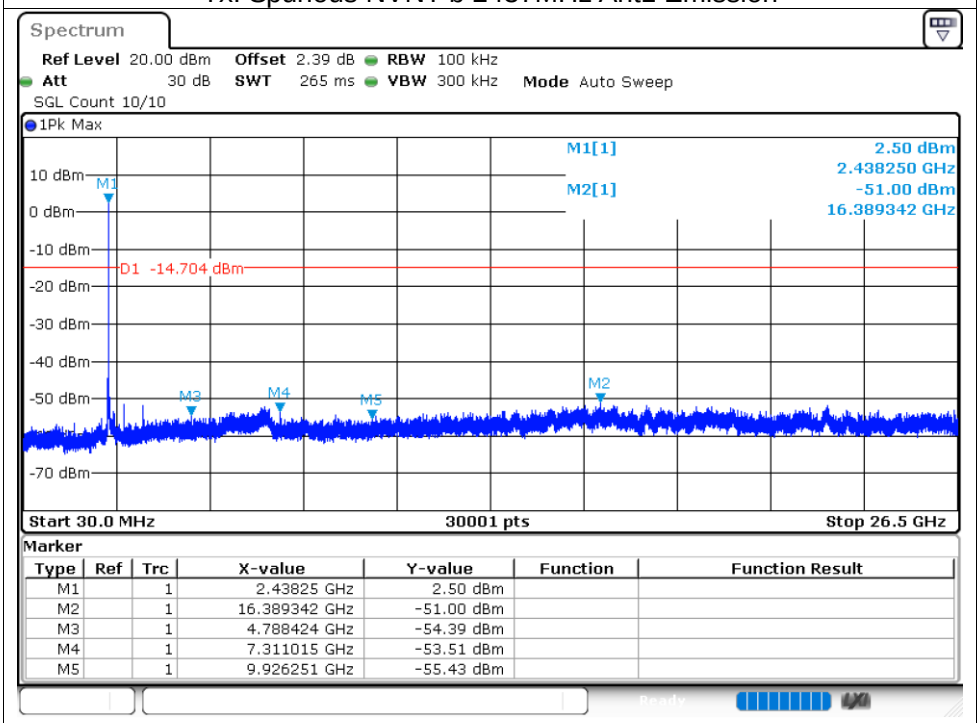
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41443 GHz	4.91 dBm		
M2		1	7.235134 GHz	-43.48 dBm		
M3		1	4.823717 GHz	-52.67 dBm		
M4		1	7.235134 GHz	-43.48 dBm		
M5		1	9.710079 GHz	-55.01 dBm		

Tx. Spurious NVNT b 2437MHz Ant1 Ref



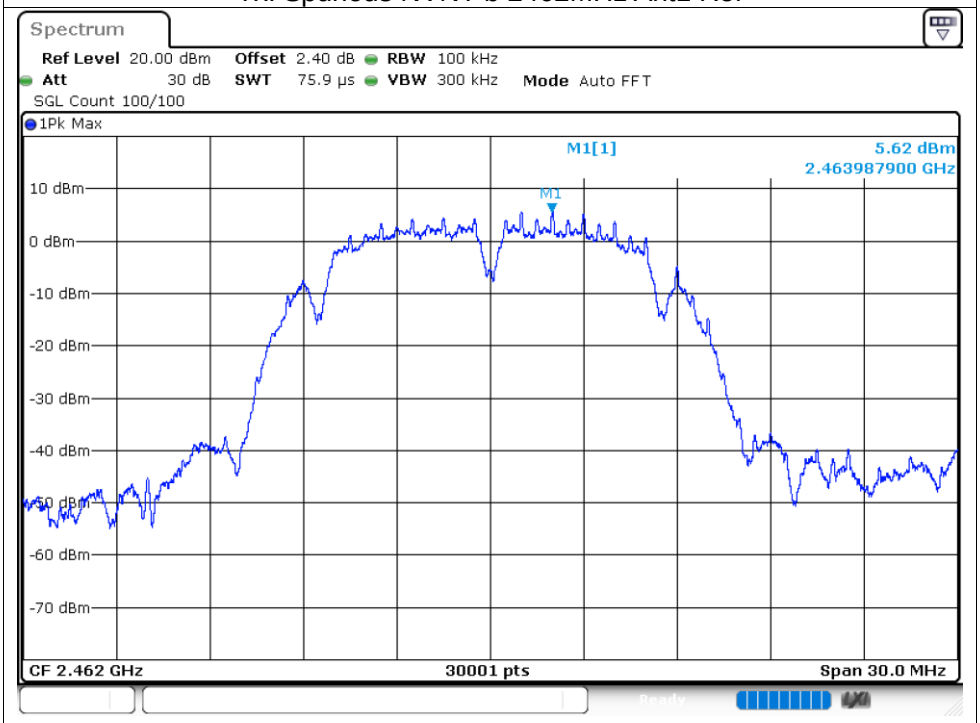
Tx. Spurious NVNT b 2437MHz Ant1 Emission



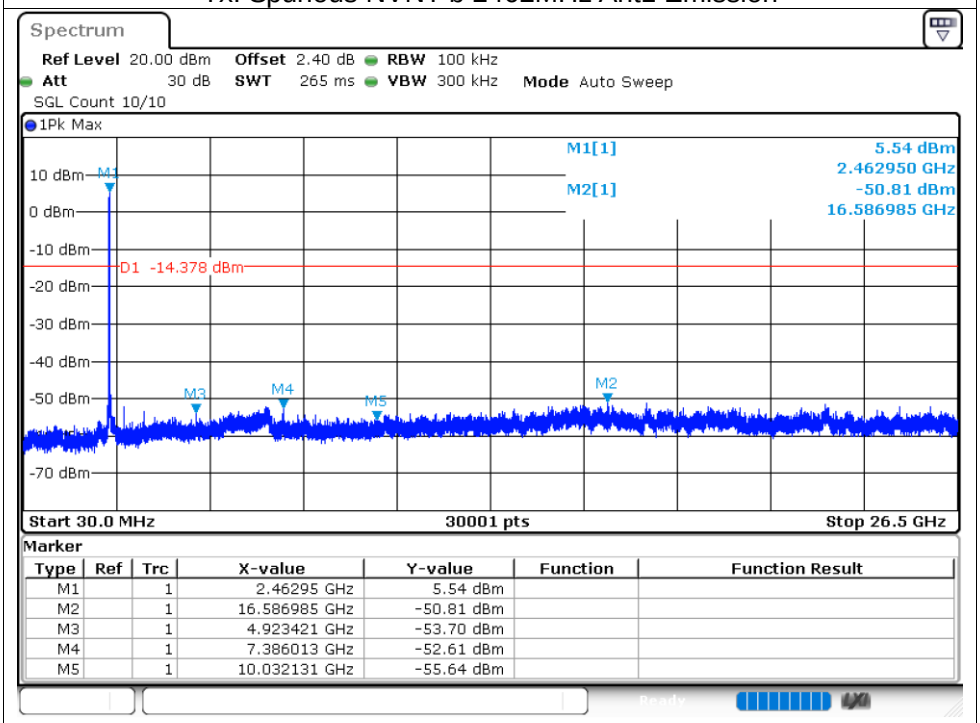
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43825 GHz	2.50 dBm		
M2		1	16.389342 GHz	-51.00 dBm		
M3		1	4.788424 GHz	-54.39 dBm		
M4		1	7.311015 GHz	-53.51 dBm		
M5		1	9.926251 GHz	-55.43 dBm		

Tx. Spurious NVNT b 2462MHz Ant1 Ref



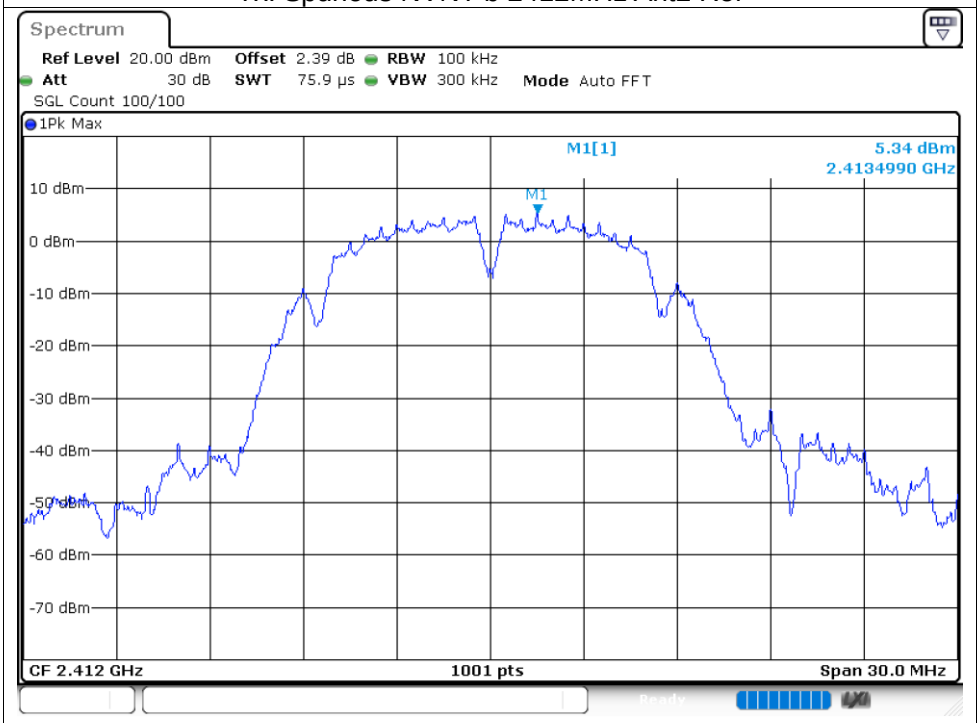
Tx. Spurious NVNT b 2462MHz Ant1 Emission



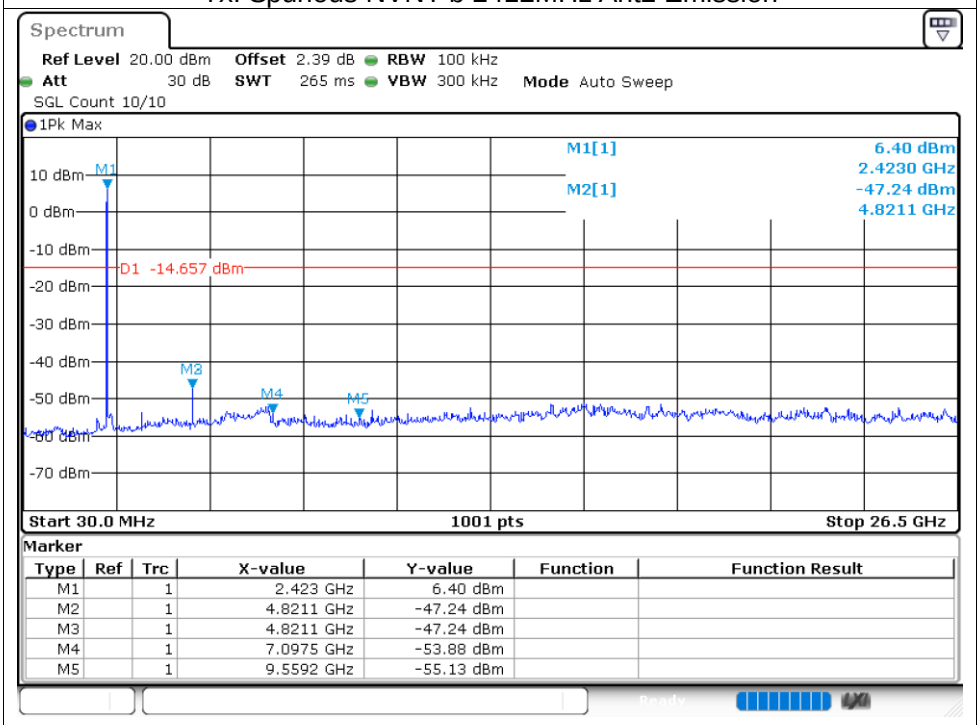
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46295 GHz	5.54 dBm		
M2		1	16.586985 GHz	-50.81 dBm		
M3		1	4.923421 GHz	-53.70 dBm		
M4		1	7.386013 GHz	-52.61 dBm		
M5		1	10.032131 GHz	-55.64 dBm		

Tx. Spurious NVNT b 2412MHz Ant2 Ref



Tx. Spurious NVNT b 2412MHz Ant2 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	6.40 dBm		
M2		1	4.8211 GHz	-47.24 dBm		
M3		1	4.8211 GHz	-47.24 dBm		
M4		1	7.0975 GHz	-53.88 dBm		
M5		1	9.5592 GHz	-55.13 dBm		