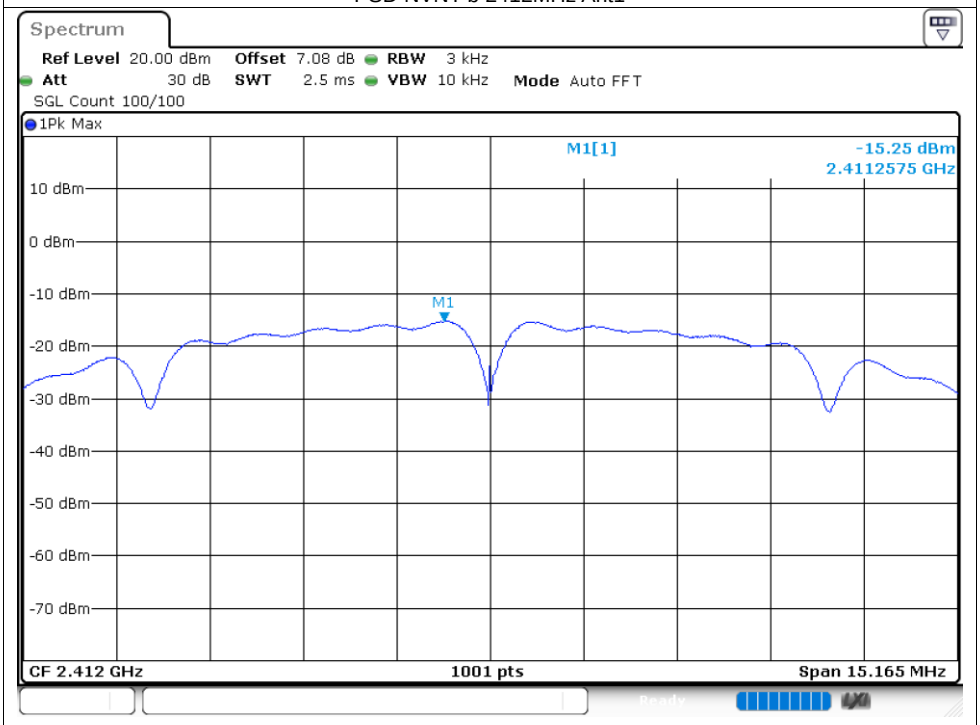
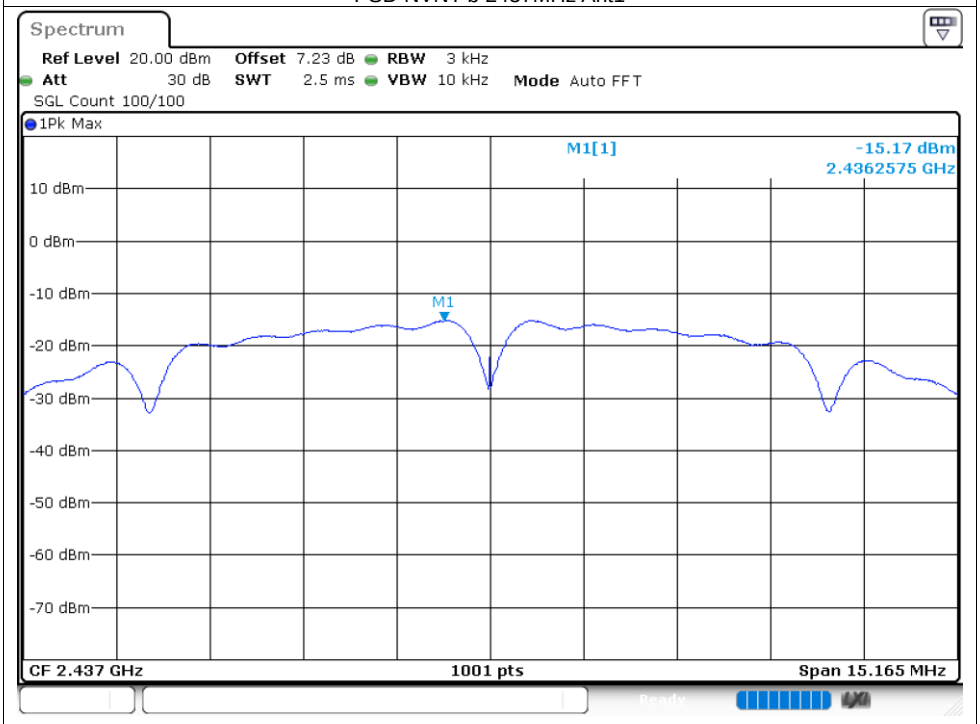
Test Graphs

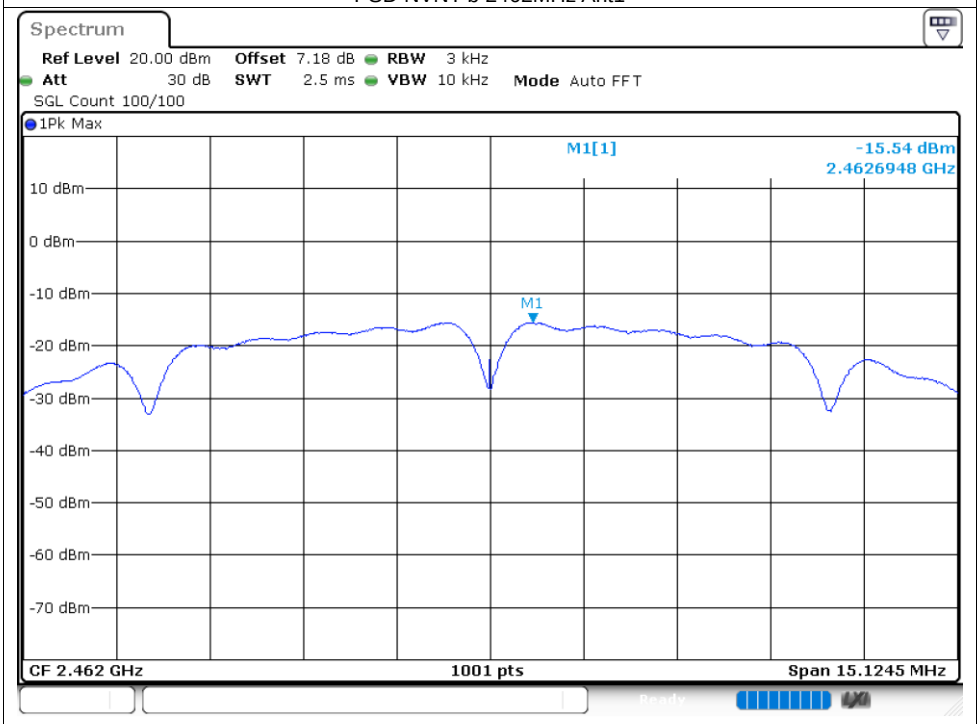
PSD NVNT b 2412MHz Ant1



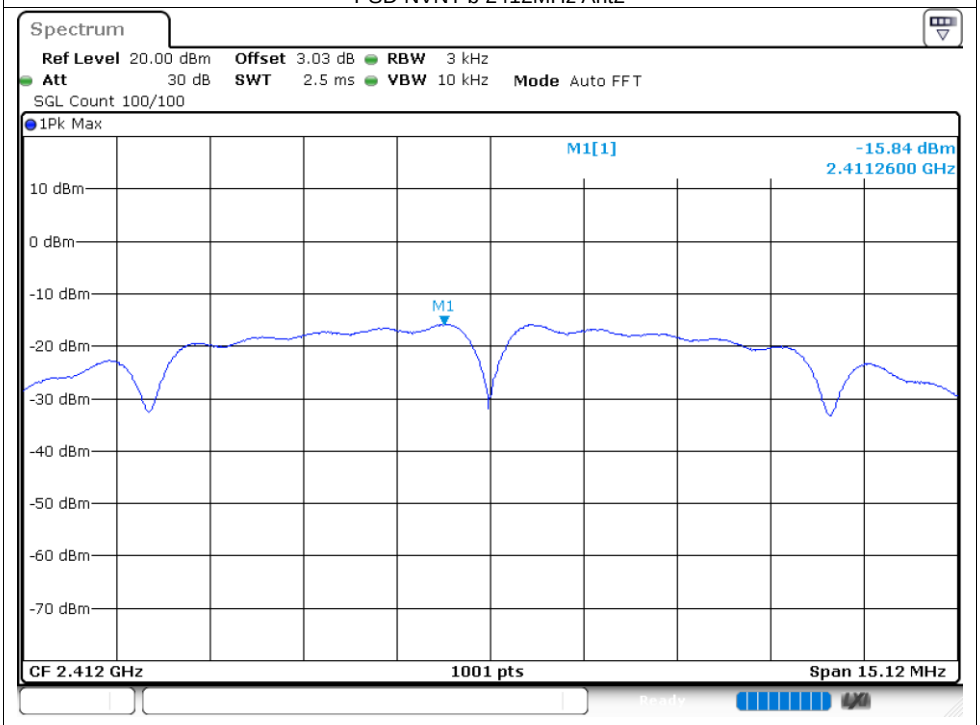
PSD NVNT b 2437MHz Ant1



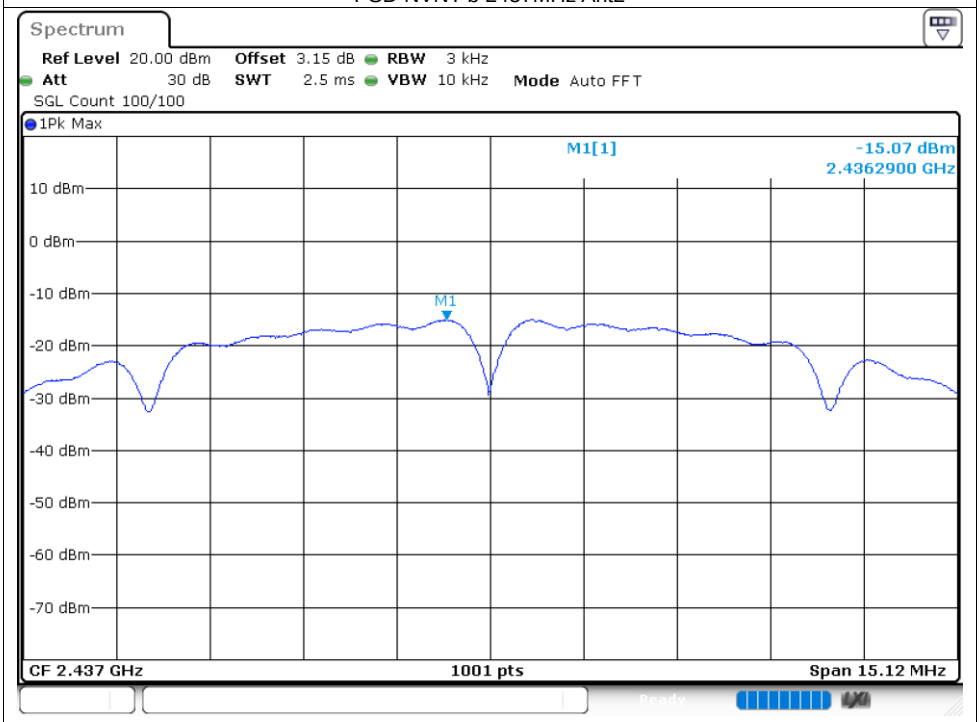
PSD NVNT b 2462MHz Ant1



PSD NVNT b 2412MHz Ant2



PSD NVNT b 2437MHz Ant2



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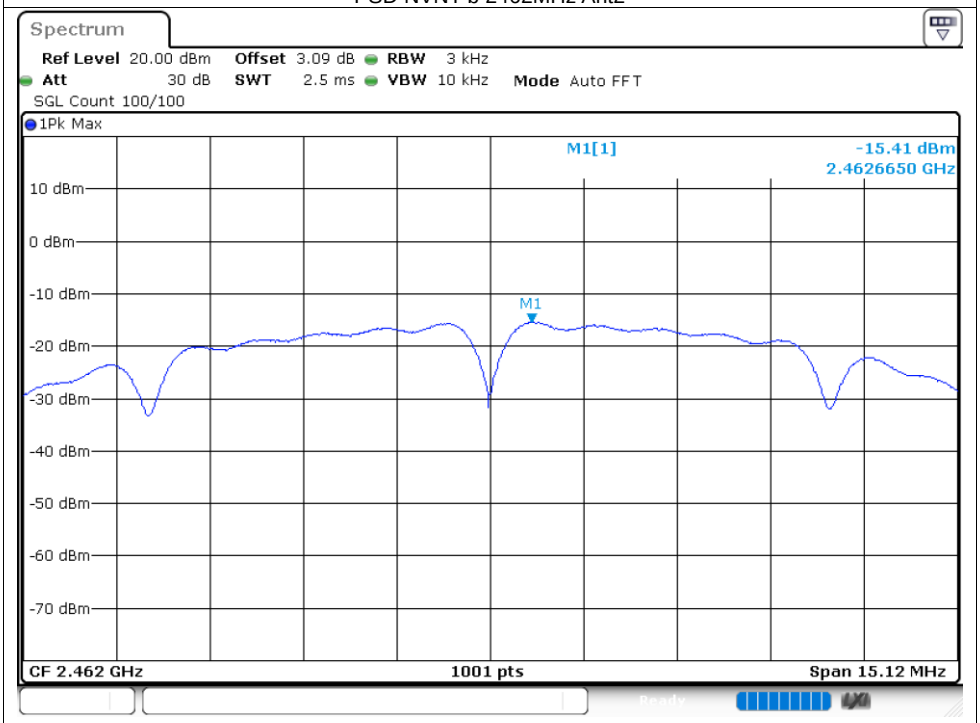
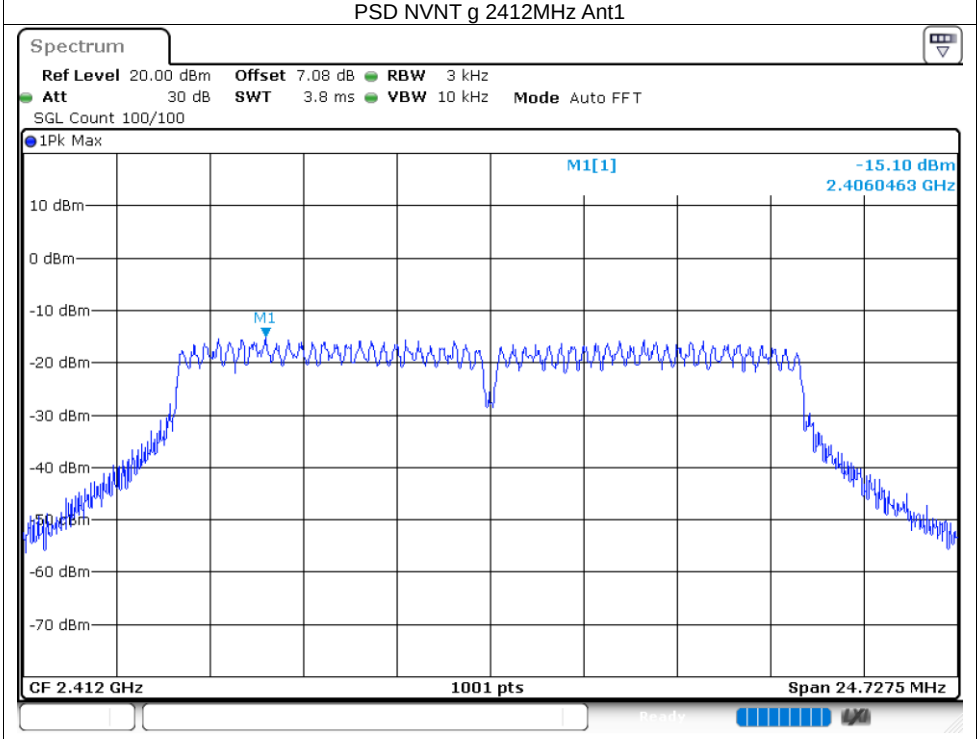
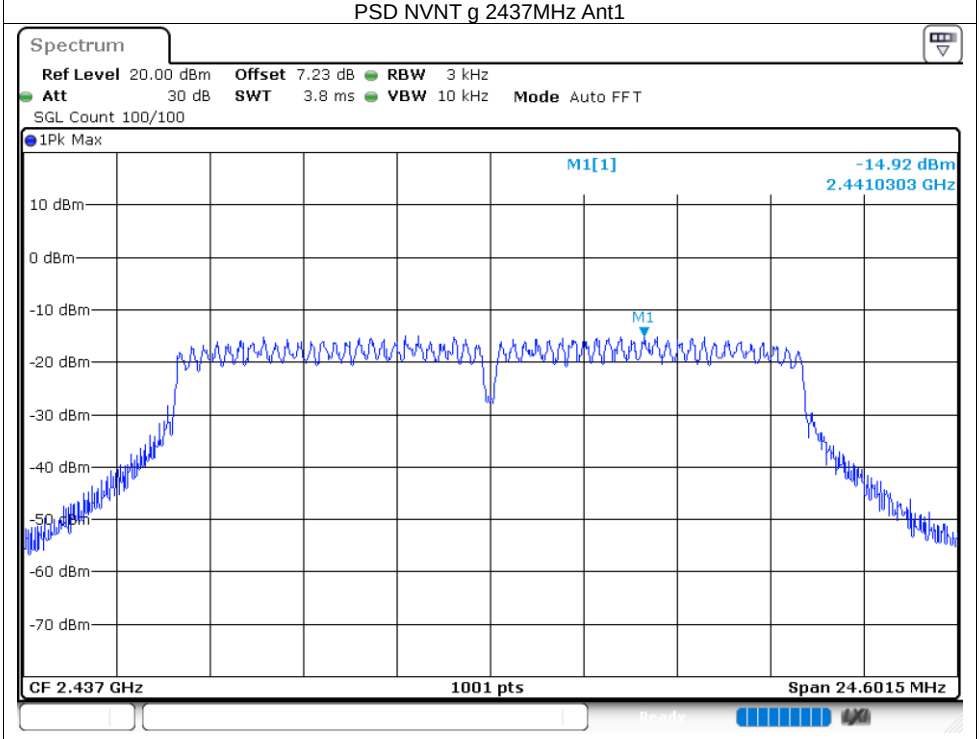


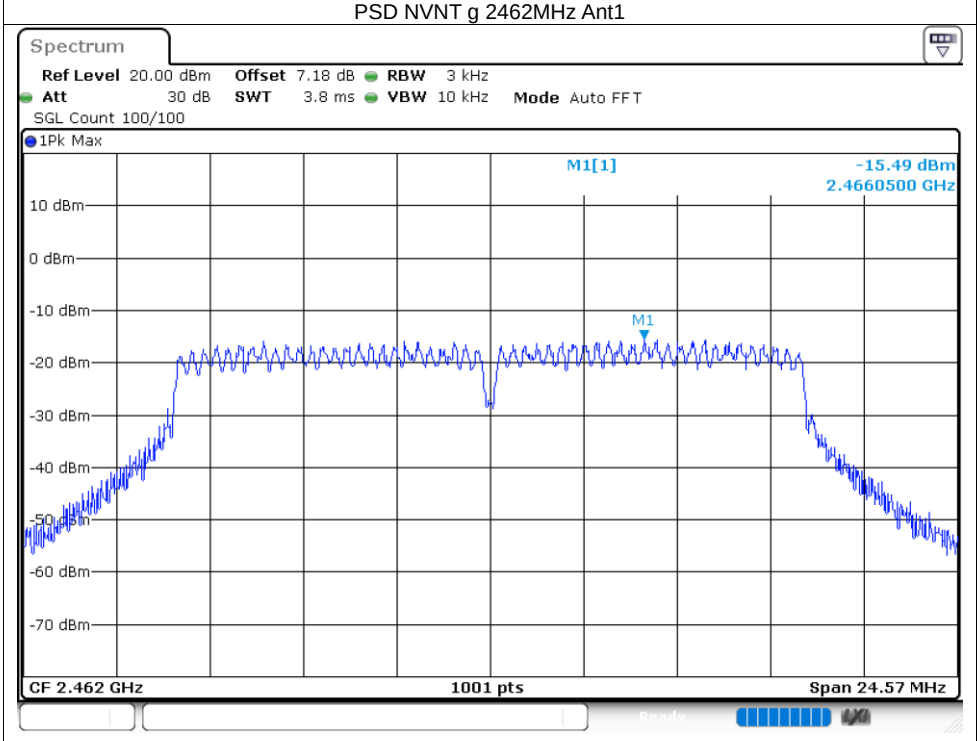
PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



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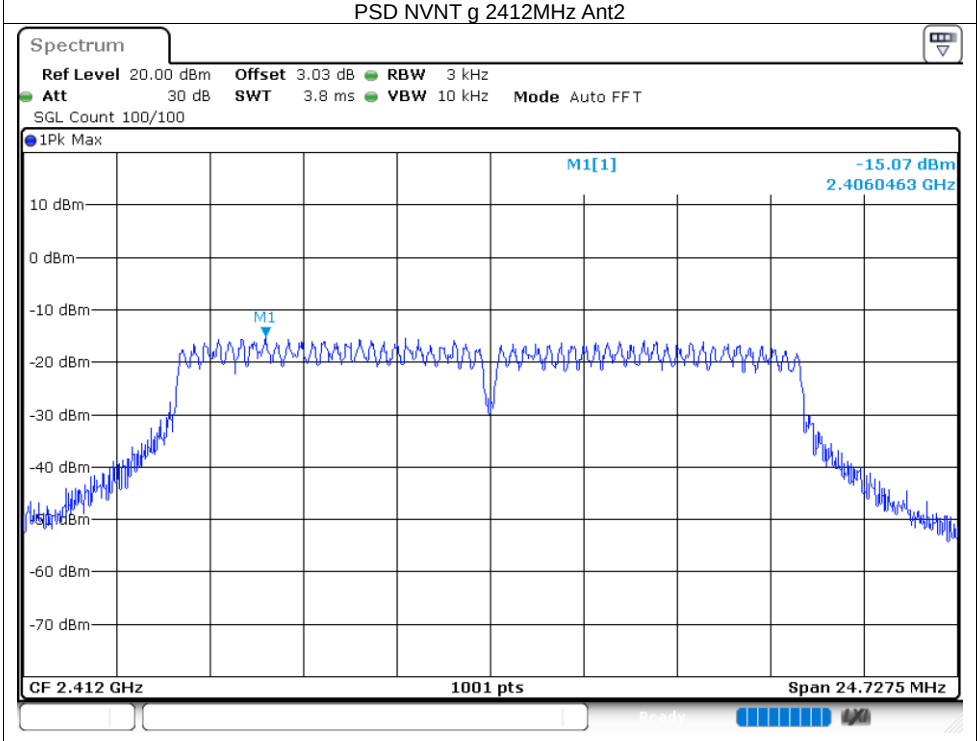

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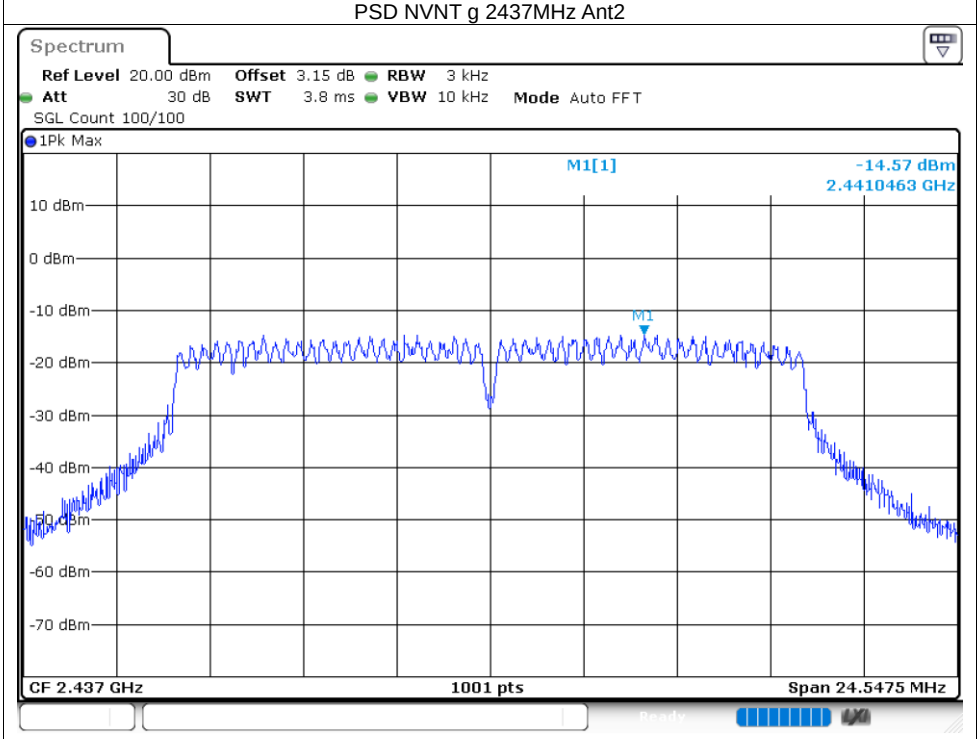
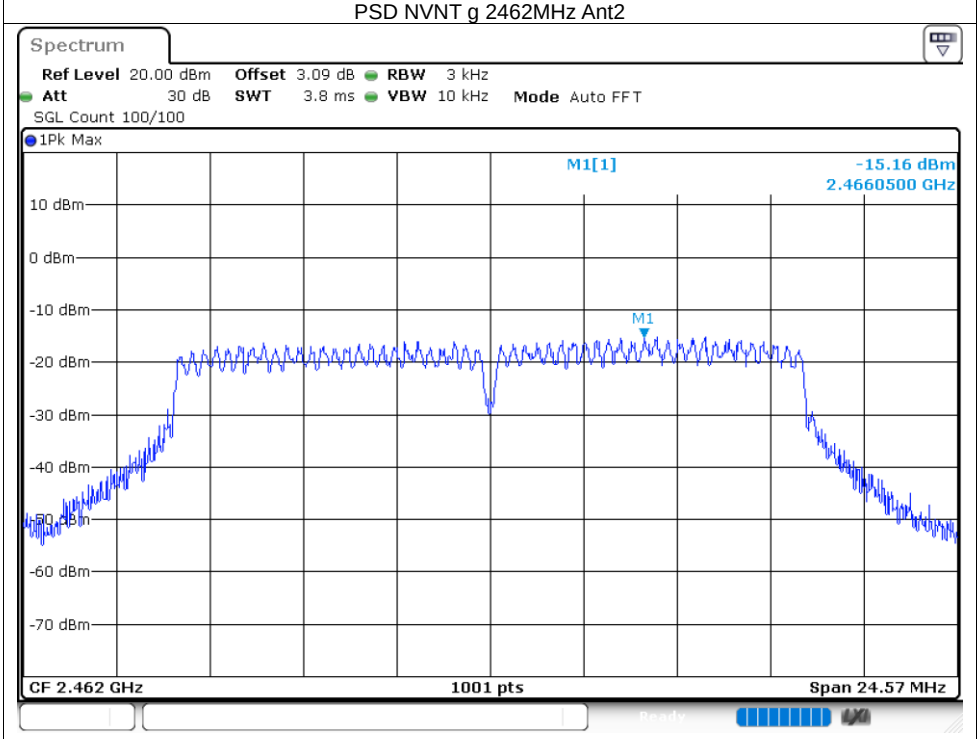
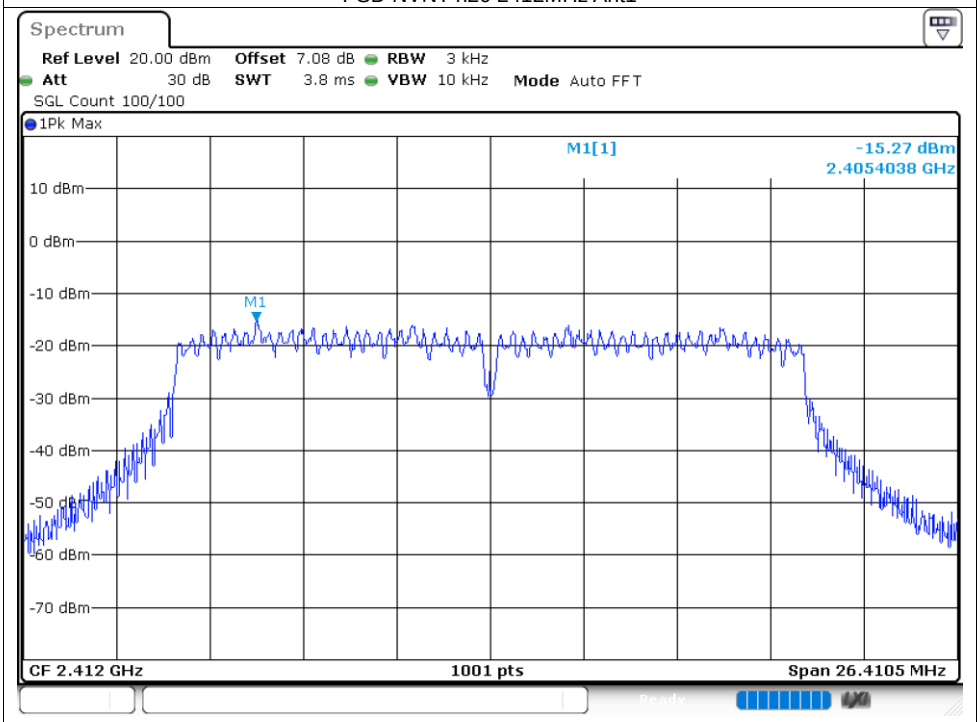


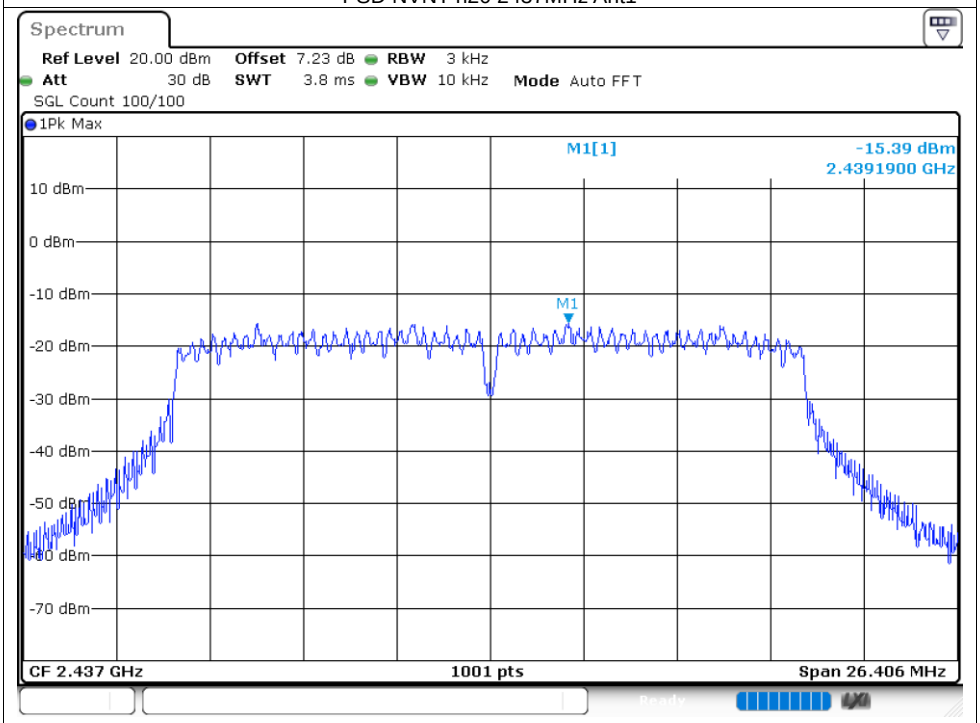
PSD NVNT g 2462MHz Ant2



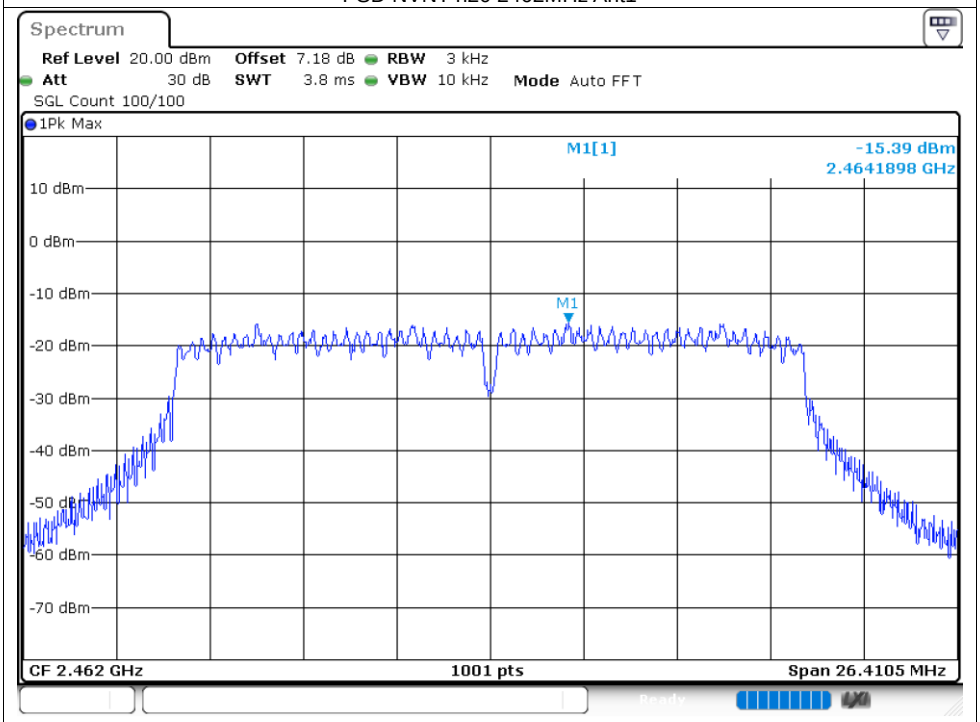
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



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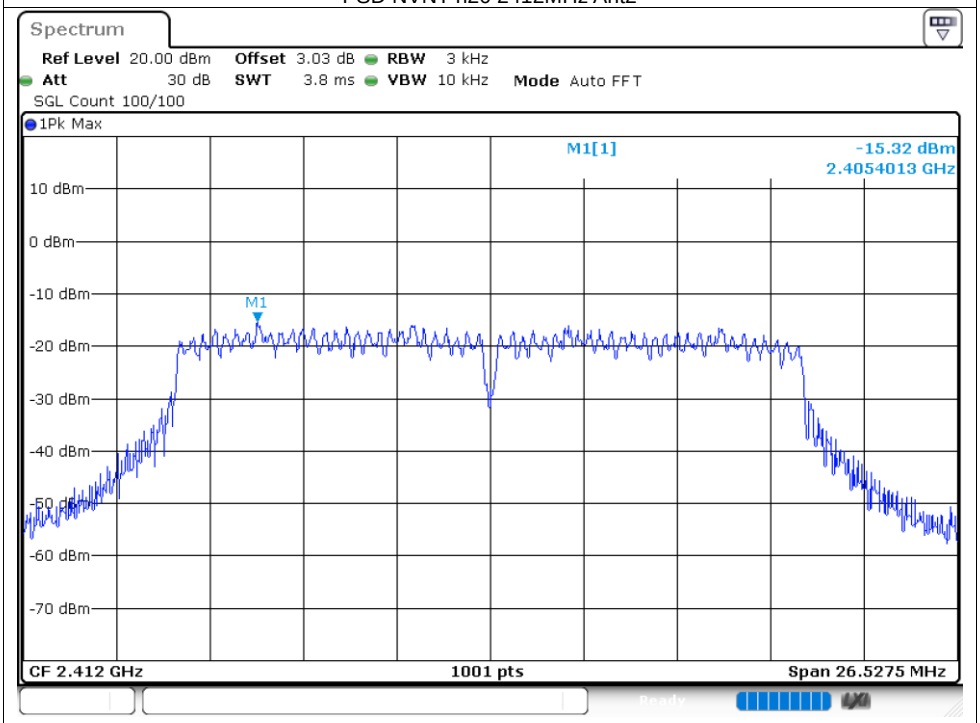

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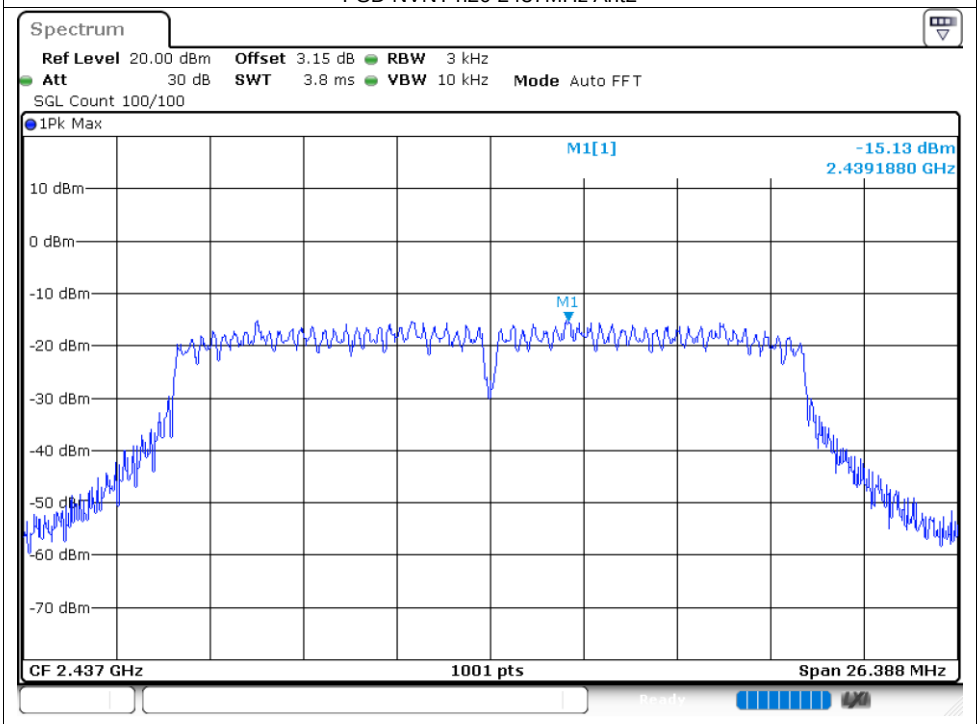

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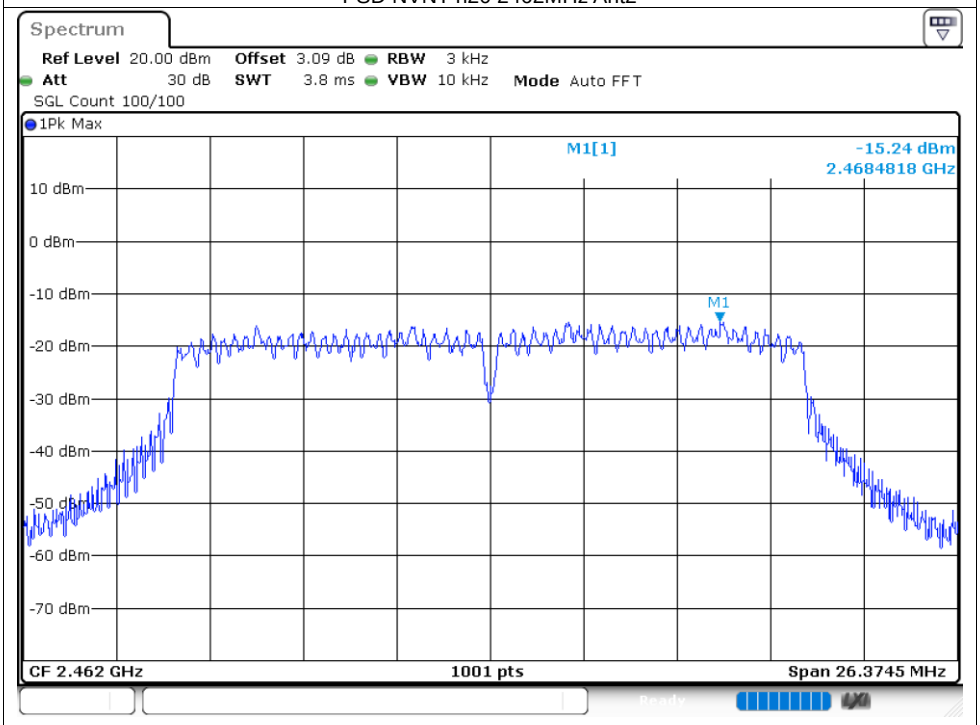
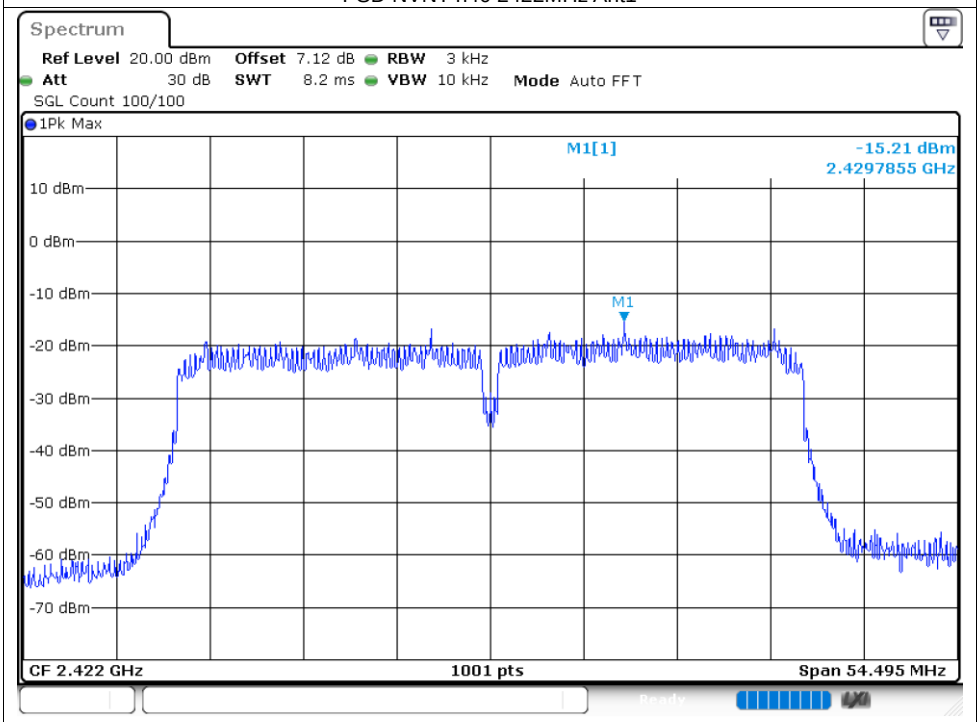


PSD NVNT n40 2422MHz Ant1



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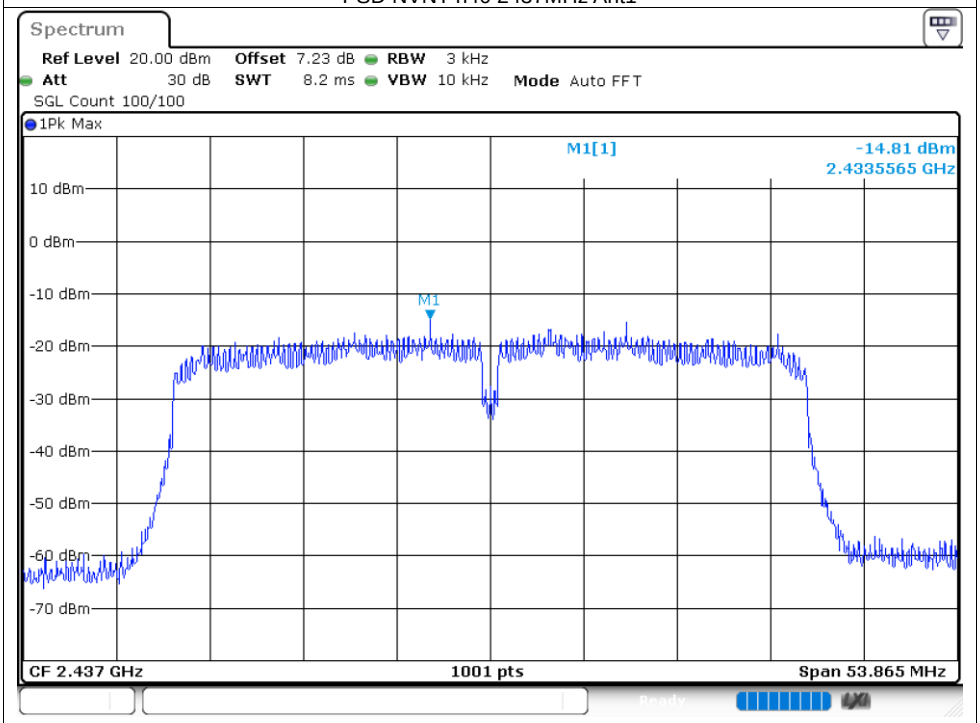
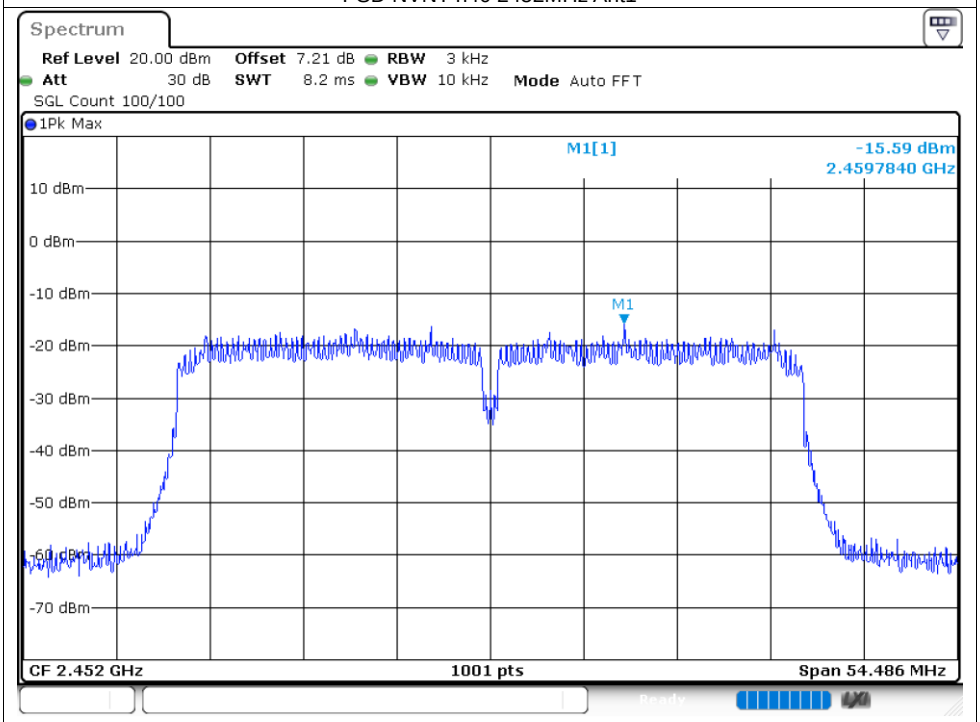
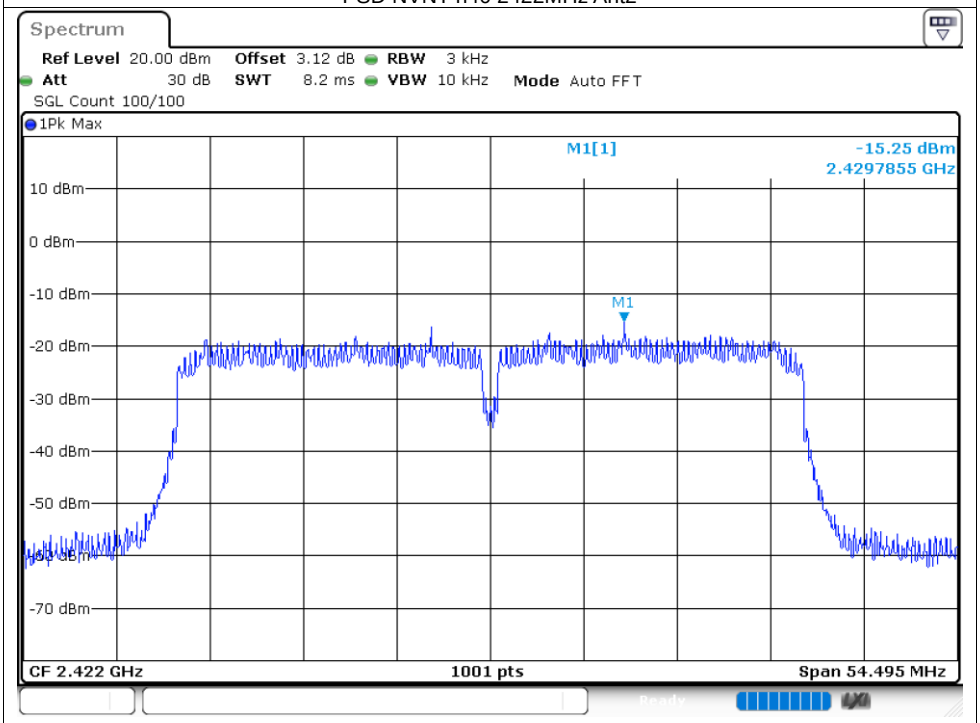


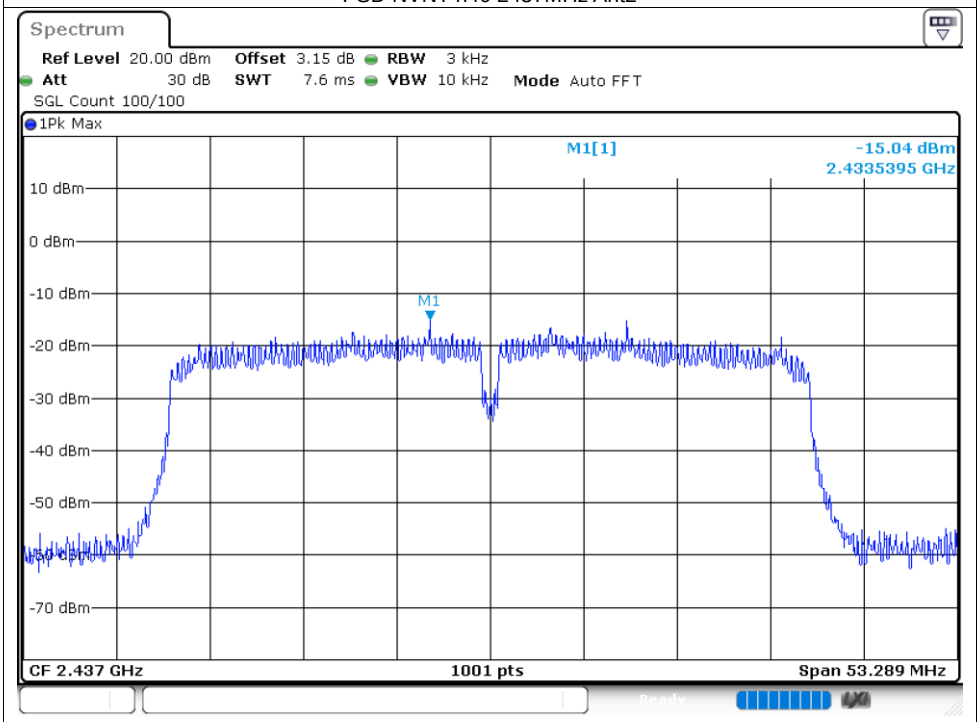
PSD NVNT n40 2452MHz Ant1



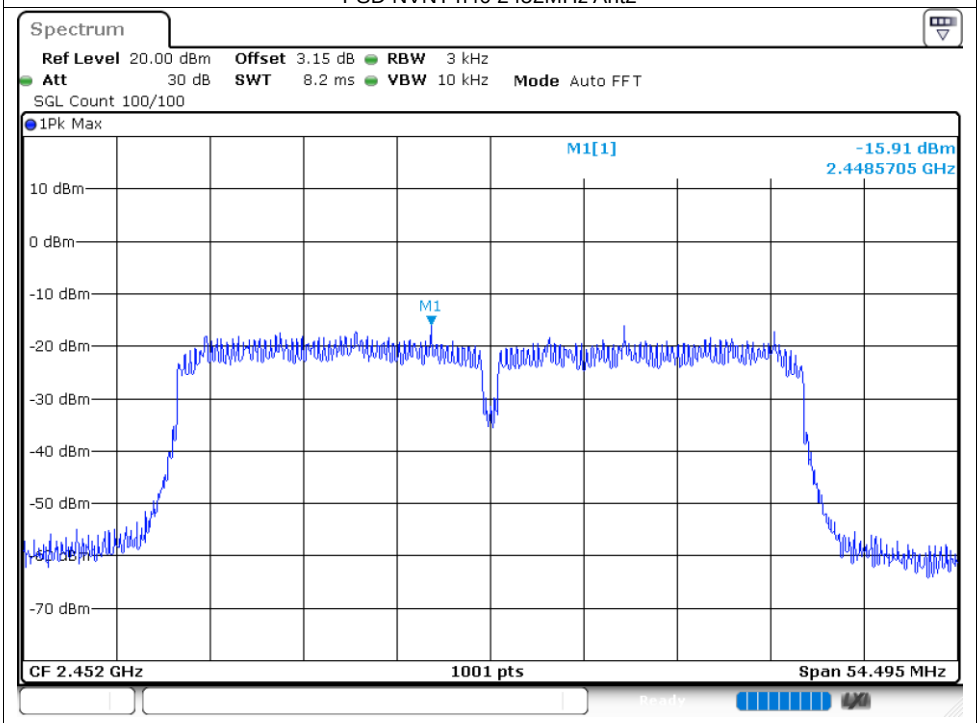
PSD NVNT n40 2422MHz Ant2



PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant2

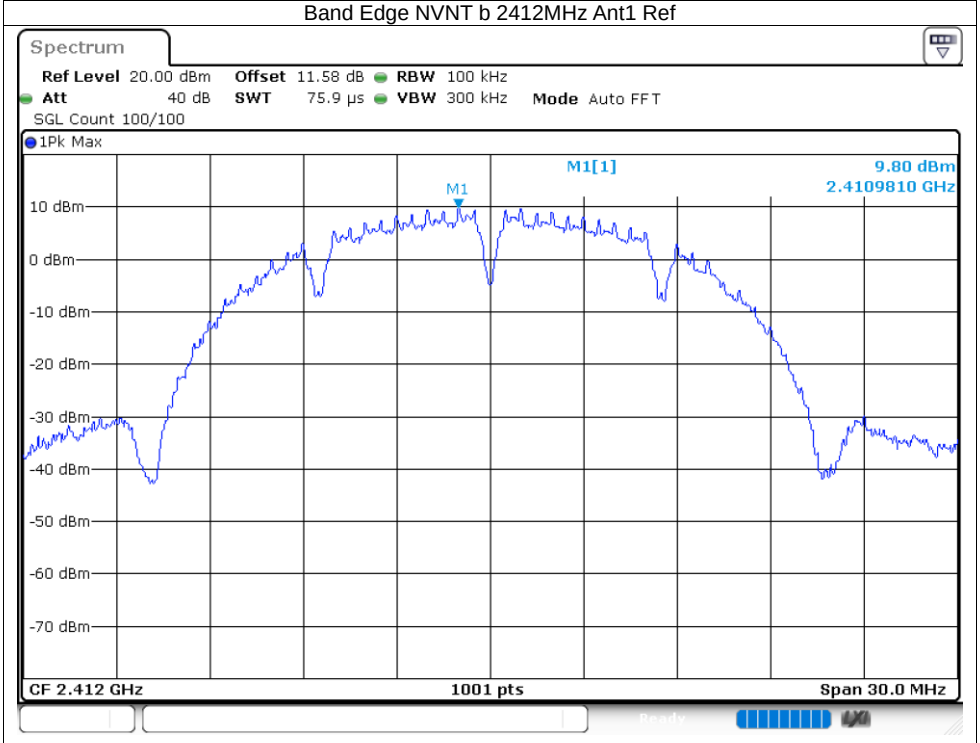


8.1.6 Band Edge

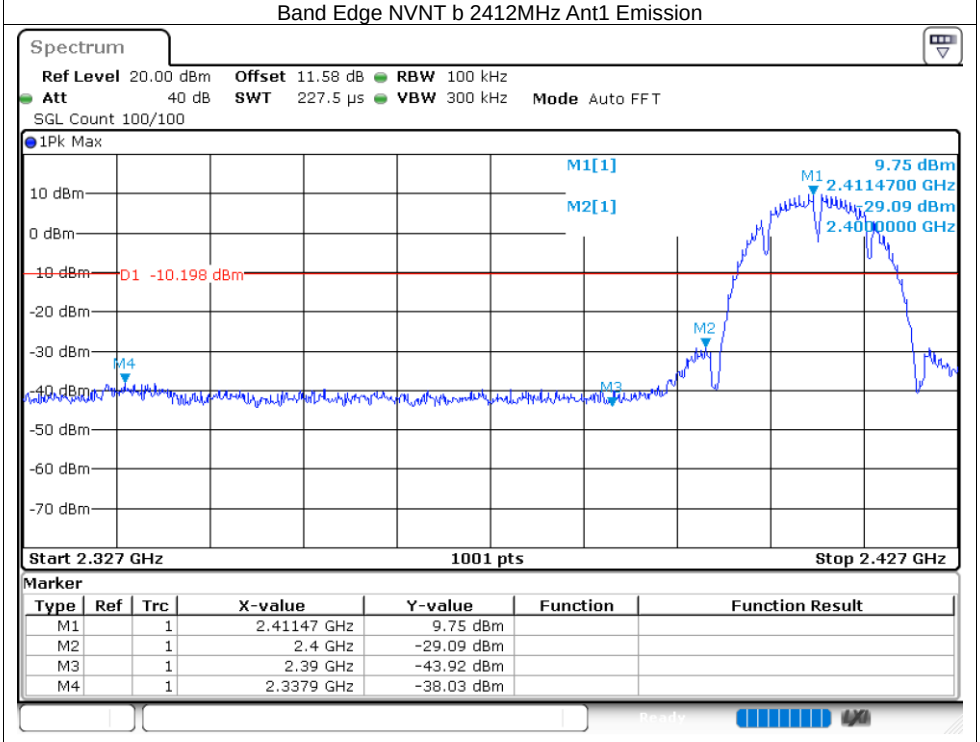
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-47.83	-20	Pass
NVNT	b	2462	Ant1	-58.05	-20	Pass
NVNT	b	2412	Ant2	-51.71	-20	Pass
NVNT	b	2462	Ant2	-61.01	-20	Pass
NVNT	g	2412	Ant1	-51.36	-20	Pass
NVNT	g	2462	Ant1	-50.06	-20	Pass
NVNT	g	2412	Ant2	-49.86	-20	Pass
NVNT	g	2462	Ant2	-48.51	-20	Pass
NVNT	n20	2412	Ant1	-50.26	-20	Pass
NVNT	n20	2462	Ant1	-48.64	-20	Pass
NVNT	n20	2412	Ant2	-46.4	-20	Pass
NVNT	n20	2462	Ant2	-47.85	-20	Pass
NVNT	n40	2422	Ant1	-46.83	-20	Pass
NVNT	n40	2452	Ant1	-41.35	-20	Pass
NVNT	n40	2422	Ant2	-42.43	-20	Pass
NVNT	n40	2452	Ant2	-40.47	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



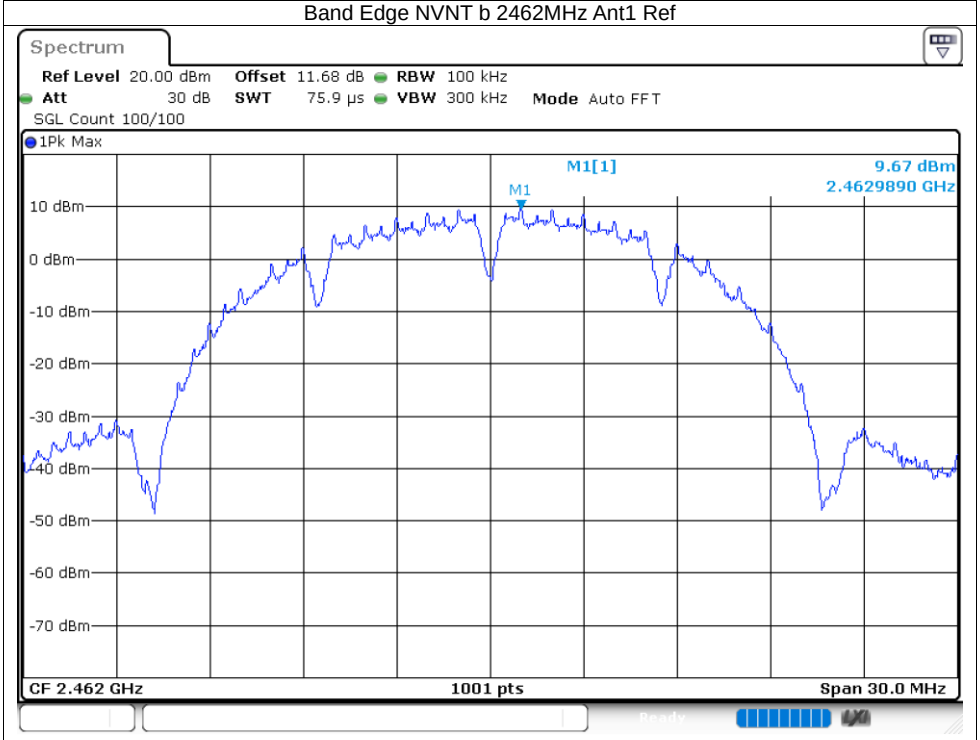
Band Edge NVNT b 2412MHz Ant1 Emission



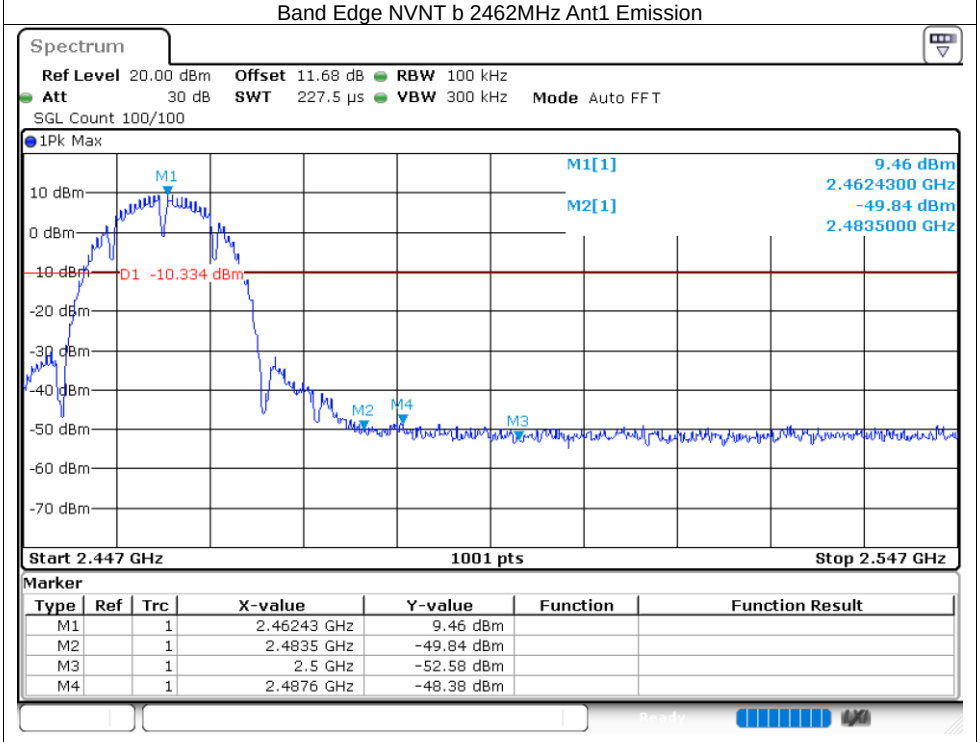
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41147 GHz	9.75 dBm		
M2		1	2.4 GHz	-29.09 dBm		
M3		1	2.39 GHz	-43.92 dBm		
M4		1	2.3379 GHz	-38.03 dBm		

Band Edge NVNT b 2462MHz Ant1 Ref



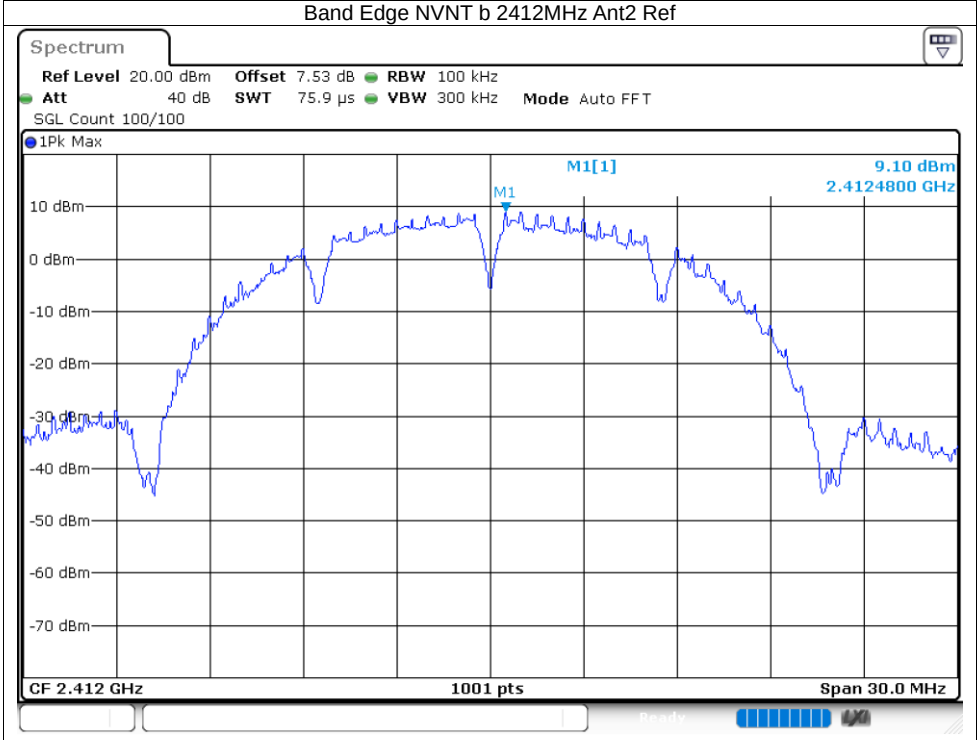
Band Edge NVNT b 2462MHz Ant1 Emission



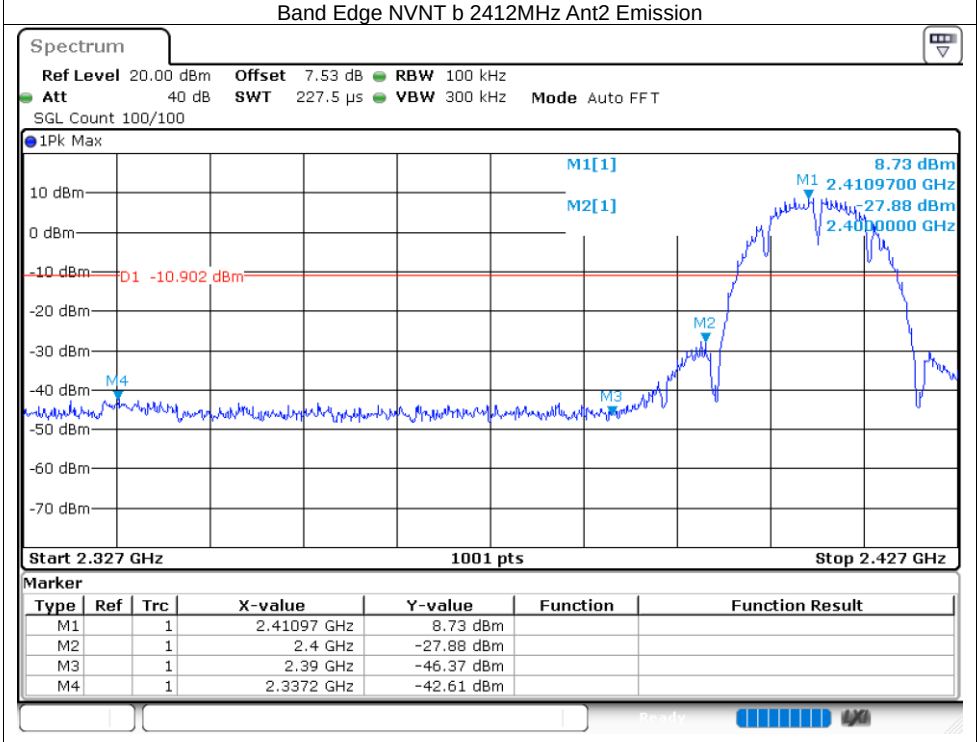
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46243 GHz	9.46 dBm		
M2		1	2.4835 GHz	-49.84 dBm		
M3		1	2.5 GHz	-52.58 dBm		
M4		1	2.4876 GHz	-48.38 dBm		

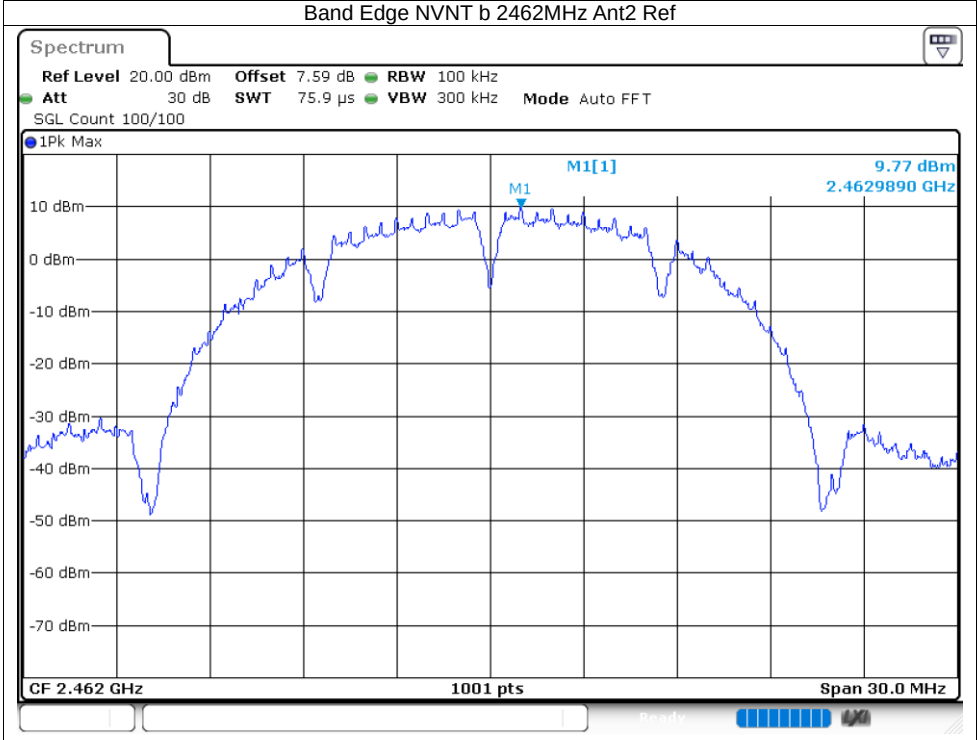
Band Edge NVNT b 2412MHz Ant2 Ref



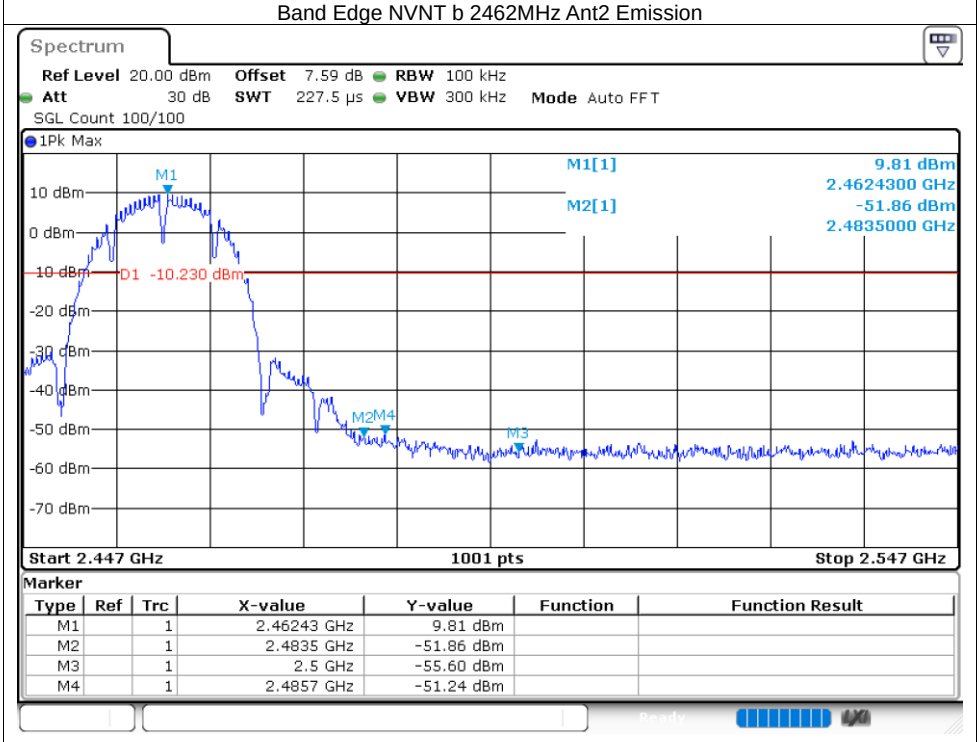
Band Edge NVNT b 2412MHz Ant2 Emission



Band Edge NVNT b 2462MHz Ant2 Ref



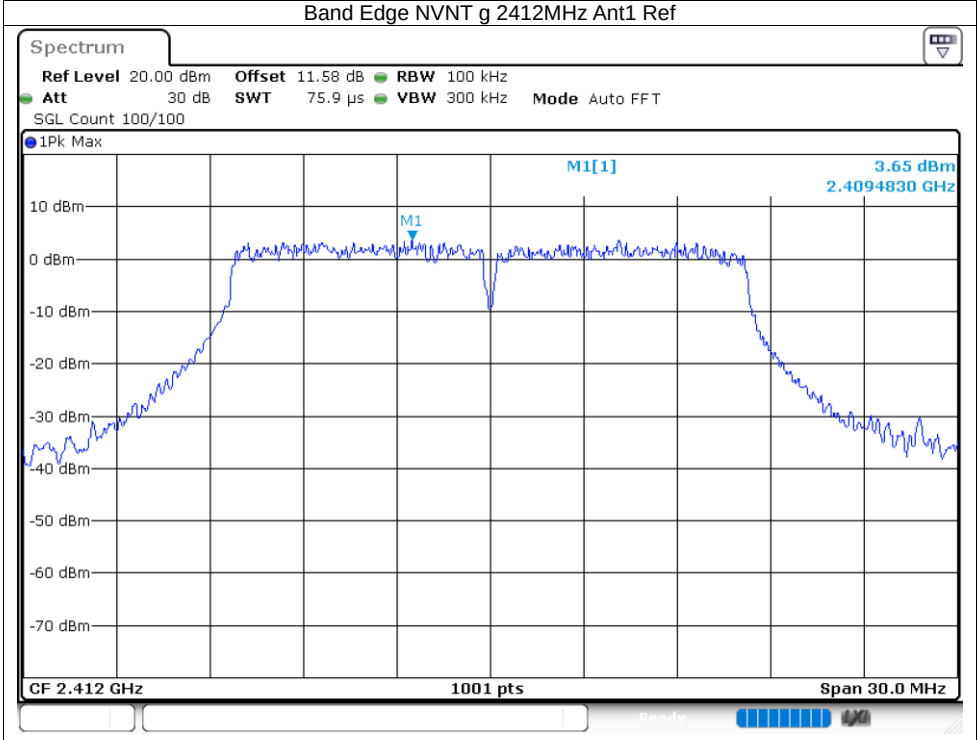
Band Edge NVNT b 2462MHz Ant2 Emission



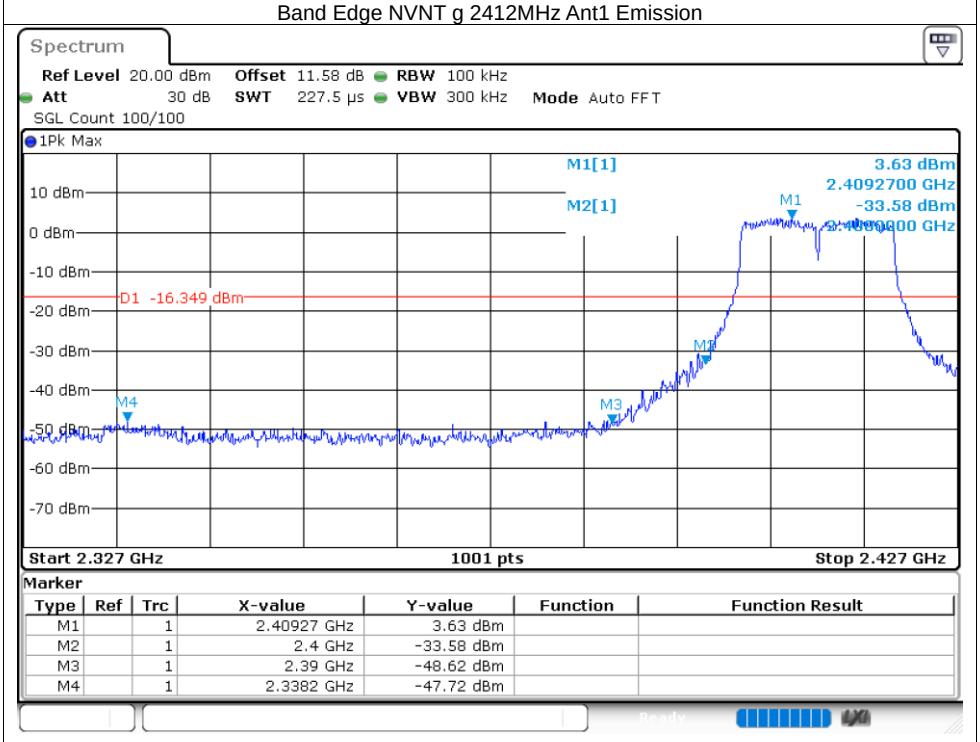
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46243 GHz	9.81 dBm		
M2		1	2.4835 GHz	-51.86 dBm		
M3		1	2.5 GHz	-55.60 dBm		
M4		1	2.4857 GHz	-51.24 dBm		

Band Edge NVNT g 2412MHz Ant1 Ref



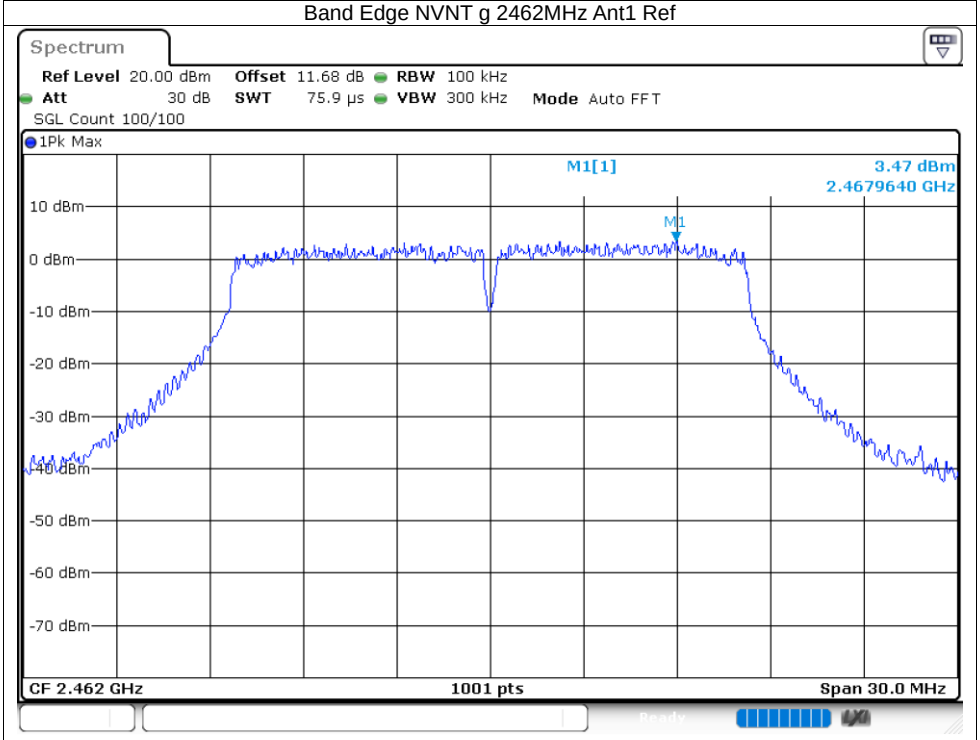
Band Edge NVNT g 2412MHz Ant1 Emission



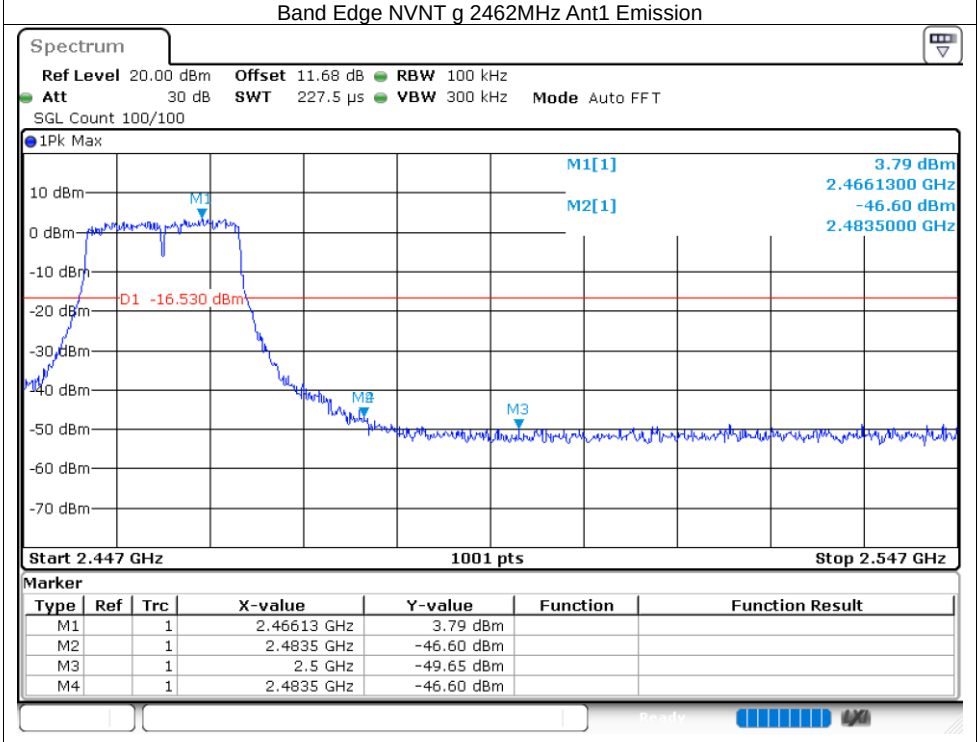
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40927 GHz	3.63 dBm		
M2		1	2.4 GHz	-33.58 dBm		
M3		1	2.39 GHz	-48.62 dBm		
M4		1	2.3382 GHz	-47.72 dBm		

Band Edge NVNT g 2462MHz Ant1 Ref



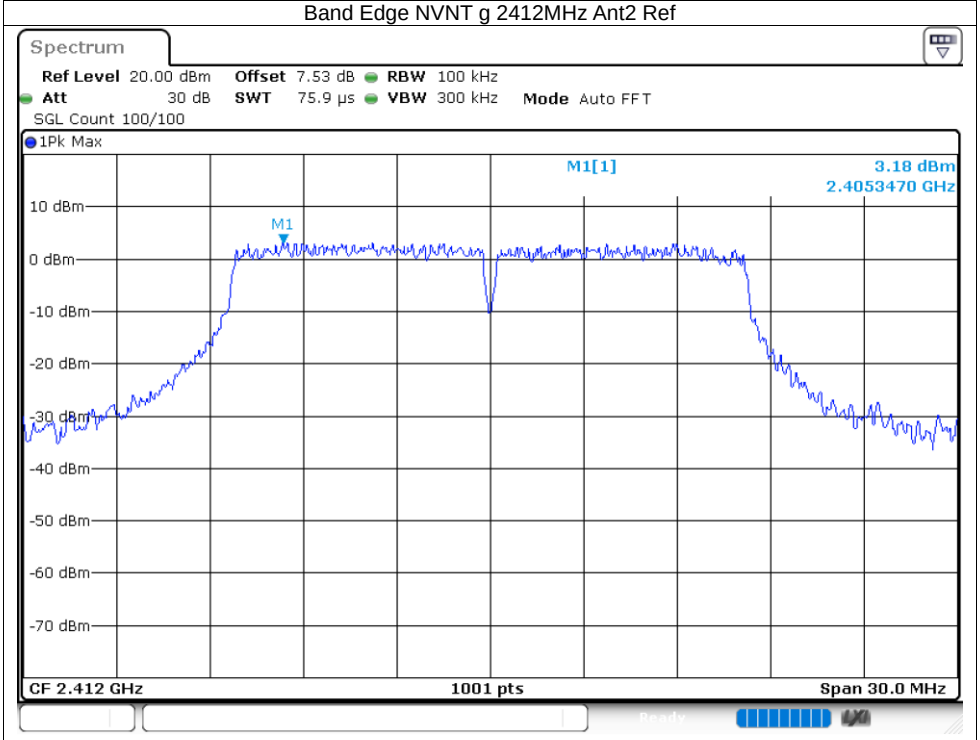
Band Edge NVNT g 2462MHz Ant1 Emission



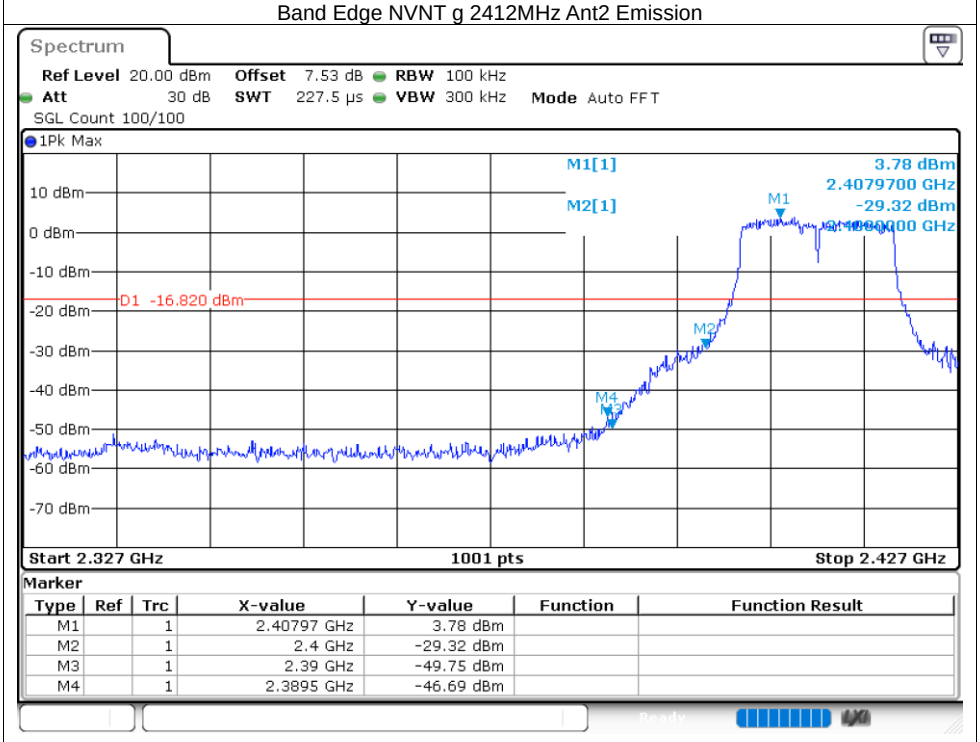
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46613 GHz	3.79 dBm		
M2		1	2.4835 GHz	-46.60 dBm		
M3		1	2.5 GHz	-49.65 dBm		
M4		1	2.4835 GHz	-46.60 dBm		

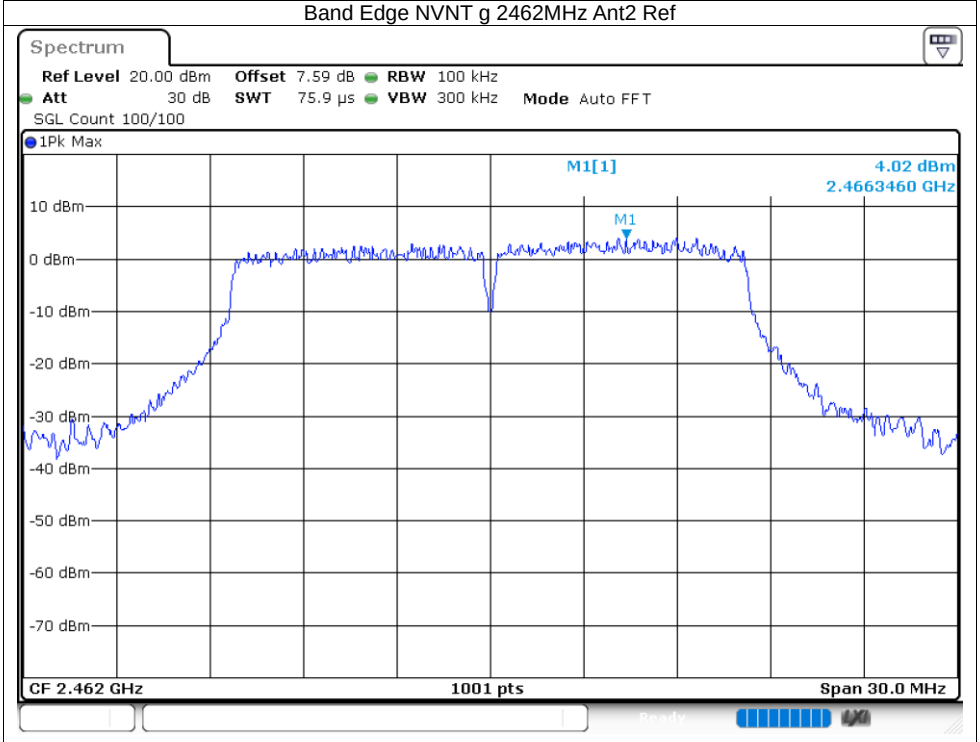
Band Edge NVNT g 2412MHz Ant2 Ref



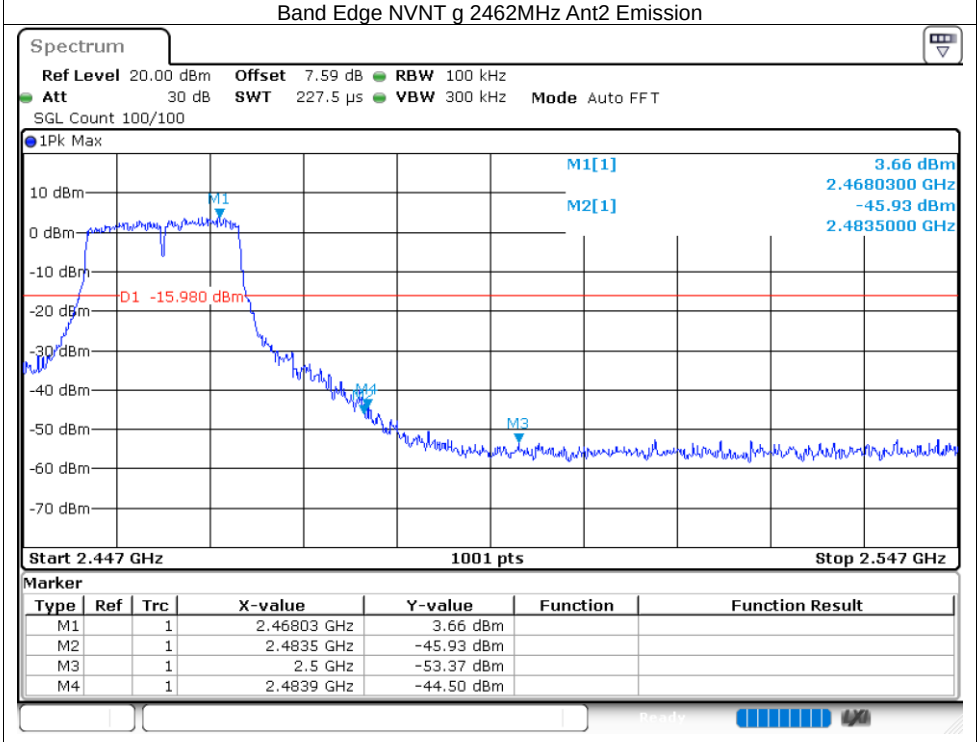
Band Edge NVNT g 2412MHz Ant2 Emission



Band Edge NVNT g 2462MHz Ant2 Ref



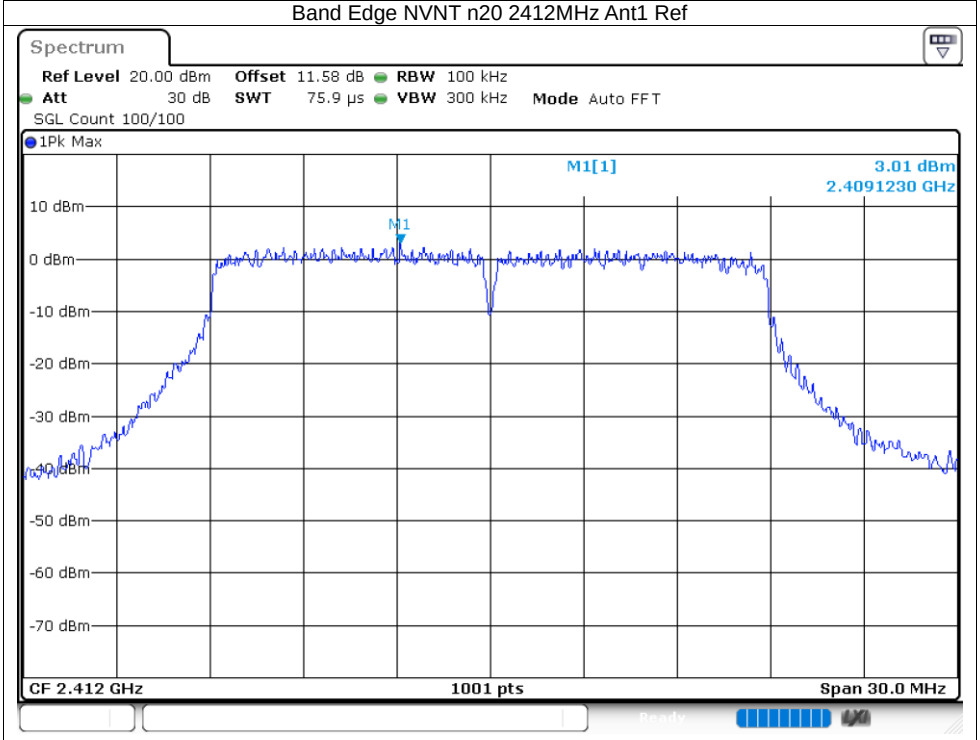
Band Edge NVNT g 2462MHz Ant2 Emission



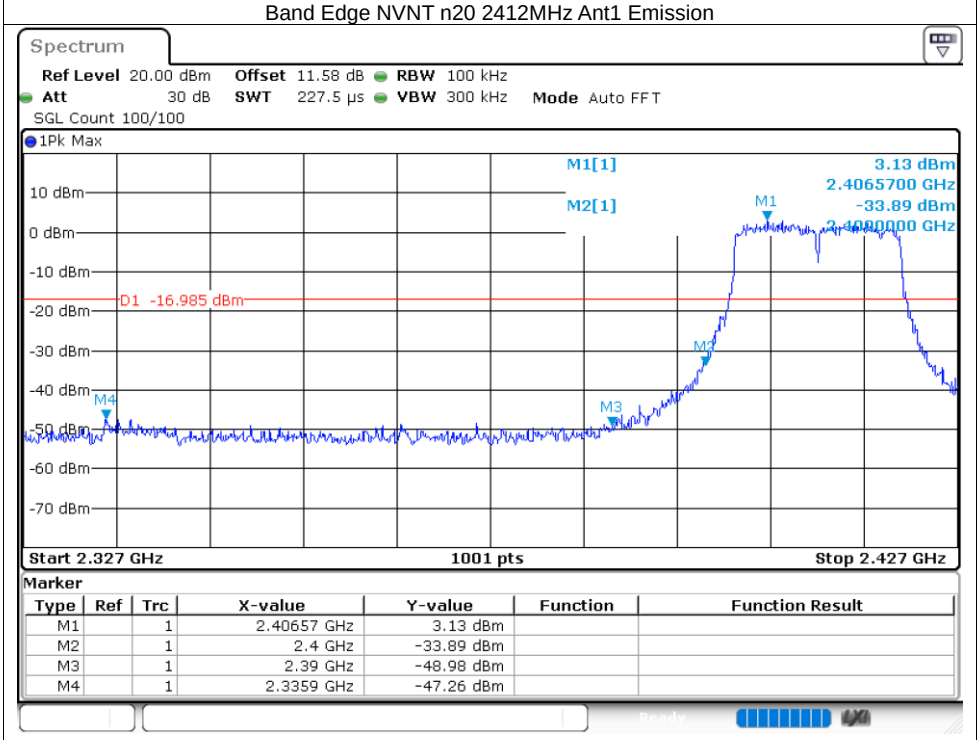
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46803 GHz	3.66 dBm		
M2		1	2.4835 GHz	-45.93 dBm		
M3		1	2.5 GHz	-53.37 dBm		
M4		1	2.4839 GHz	-44.50 dBm		

Band Edge NVNT n20 2412MHz Ant1 Ref



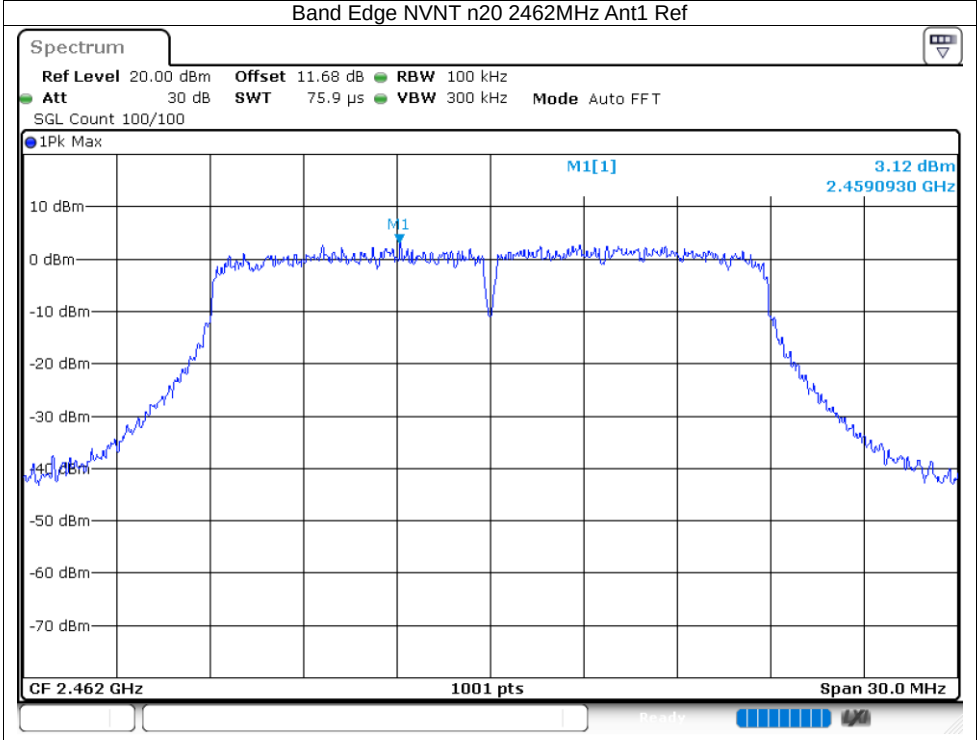
Band Edge NVNT n20 2412MHz Ant1 Emission



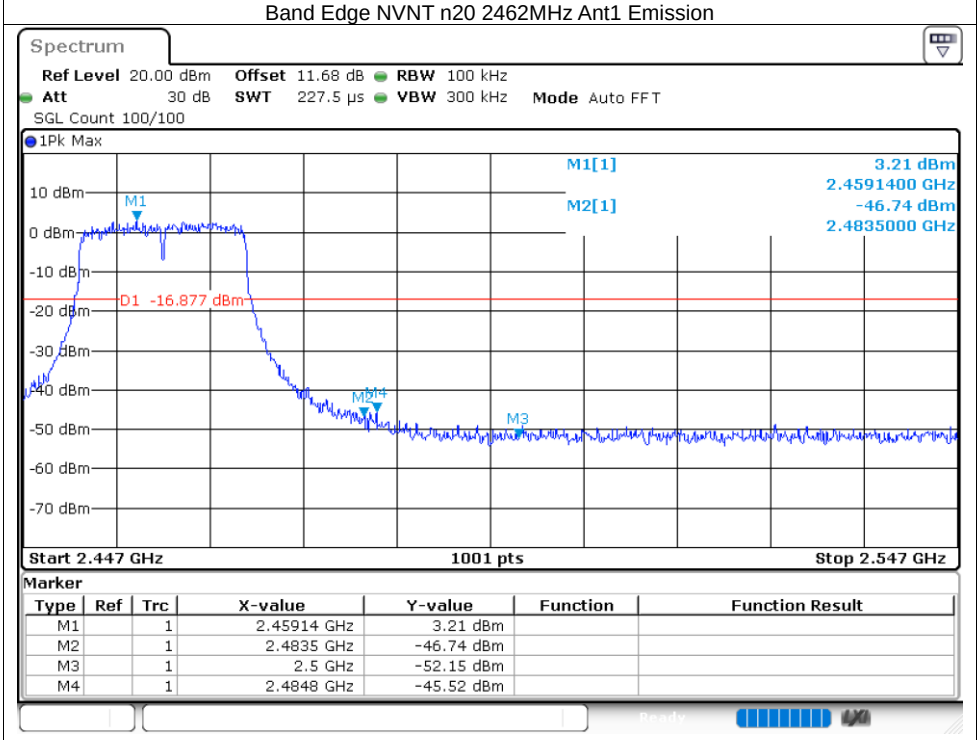
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40657 GHz	3.13 dBm		
M2		1	2.4 GHz	-33.89 dBm		
M3		1	2.39 GHz	-48.98 dBm		
M4		1	2.3359 GHz	-47.26 dBm		

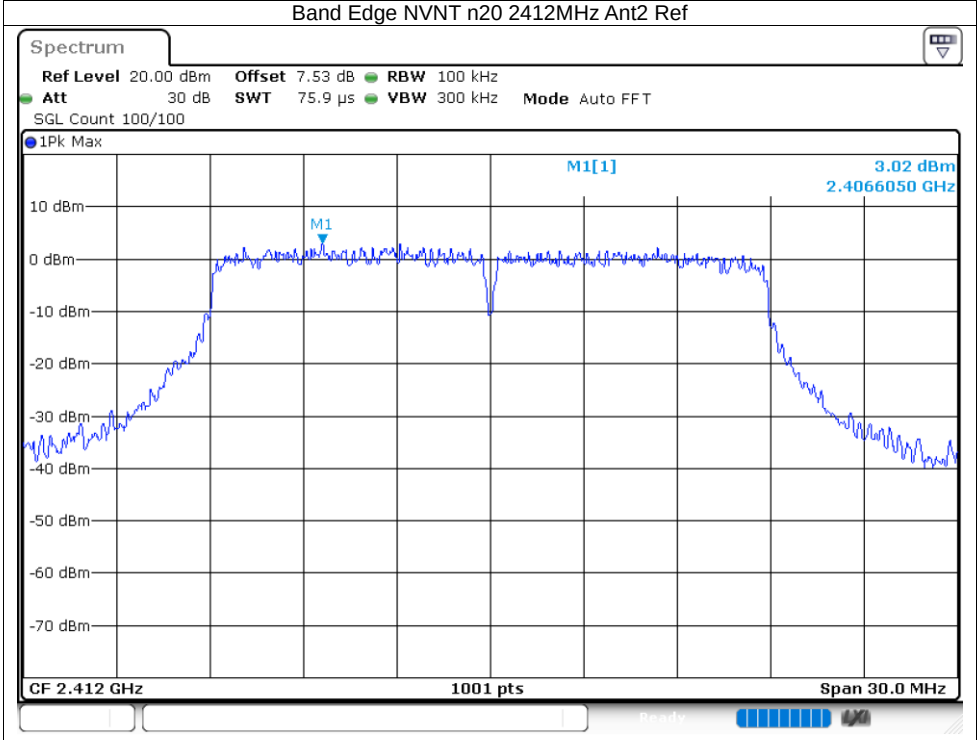
Band Edge NVNT n20 2462MHz Ant1 Ref



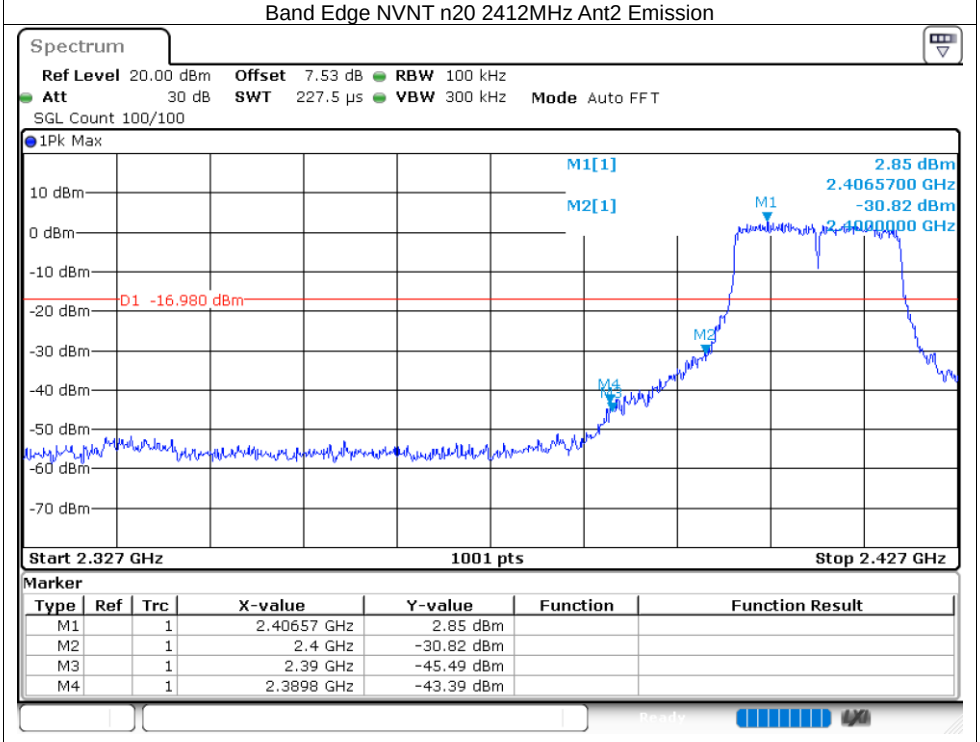
Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant2 Ref



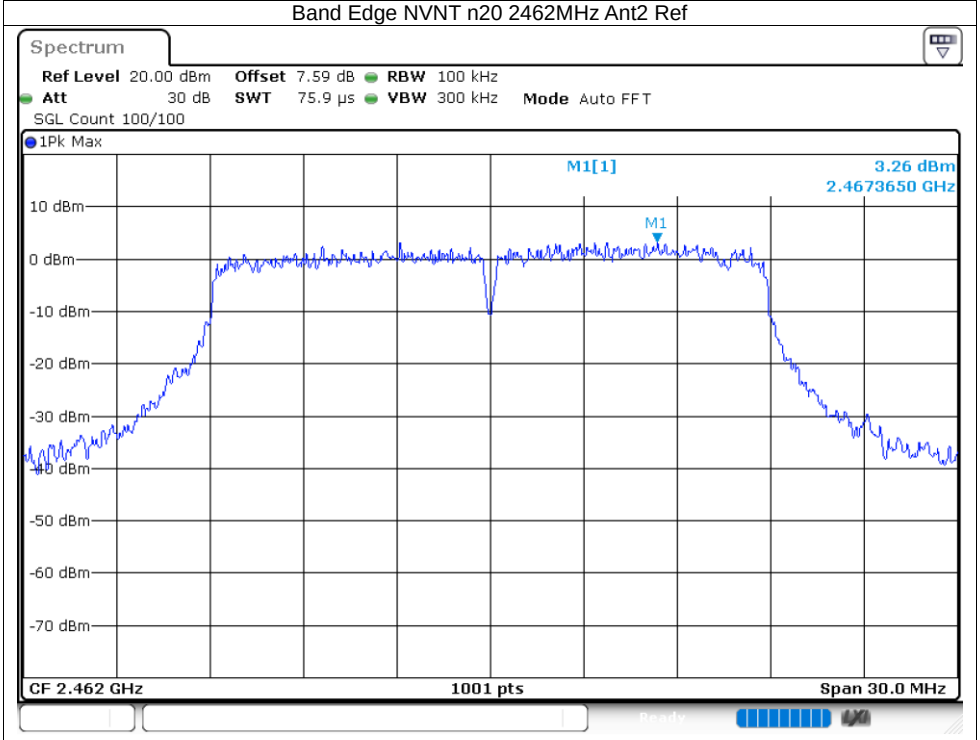
Band Edge NVNT n20 2412MHz Ant2 Emission



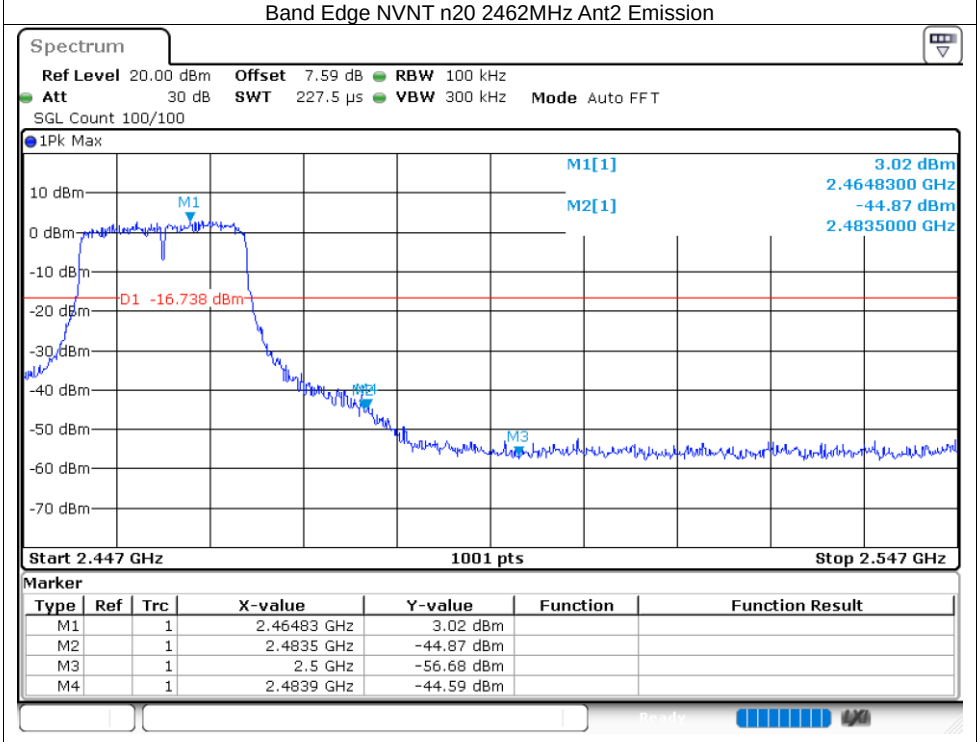
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40657 GHz	2.85 dBm		
M2		1	2.4 GHz	-30.82 dBm		
M3		1	2.39 GHz	-45.49 dBm		
M4		1	2.3898 GHz	-43.39 dBm		

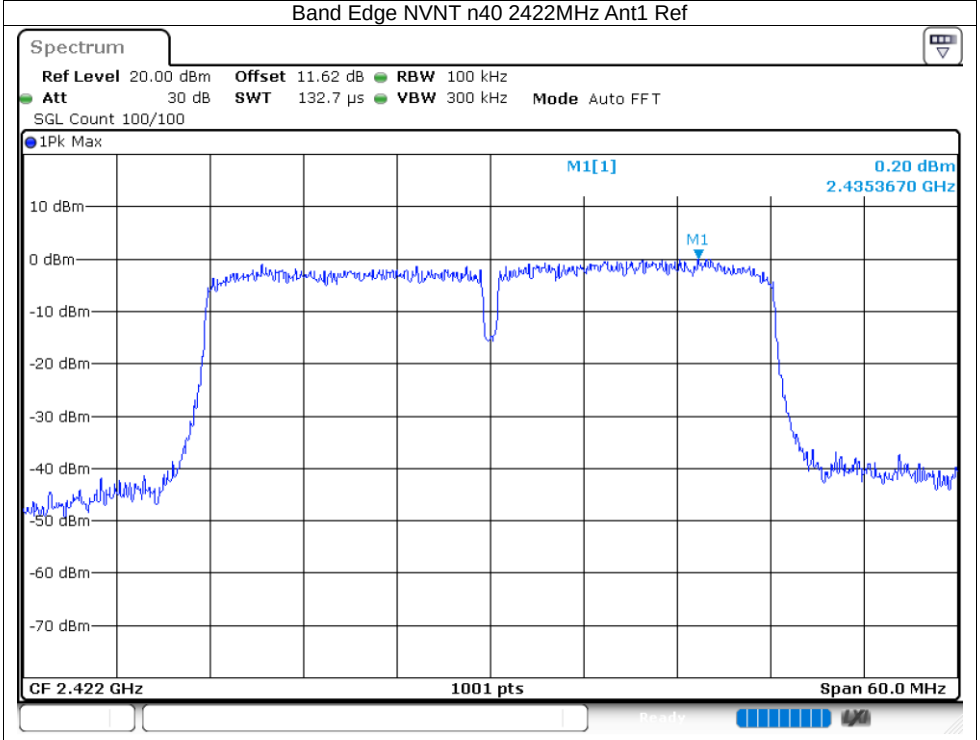
Band Edge NVNT n20 2462MHz Ant2 Ref



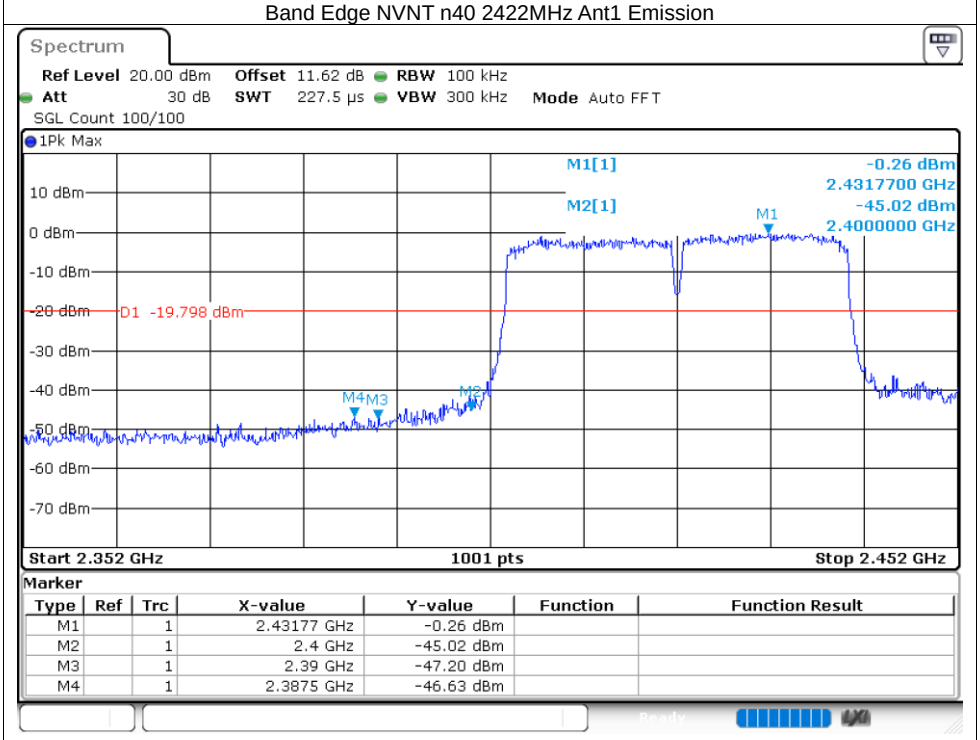
Band Edge NVNT n20 2462MHz Ant2 Emission



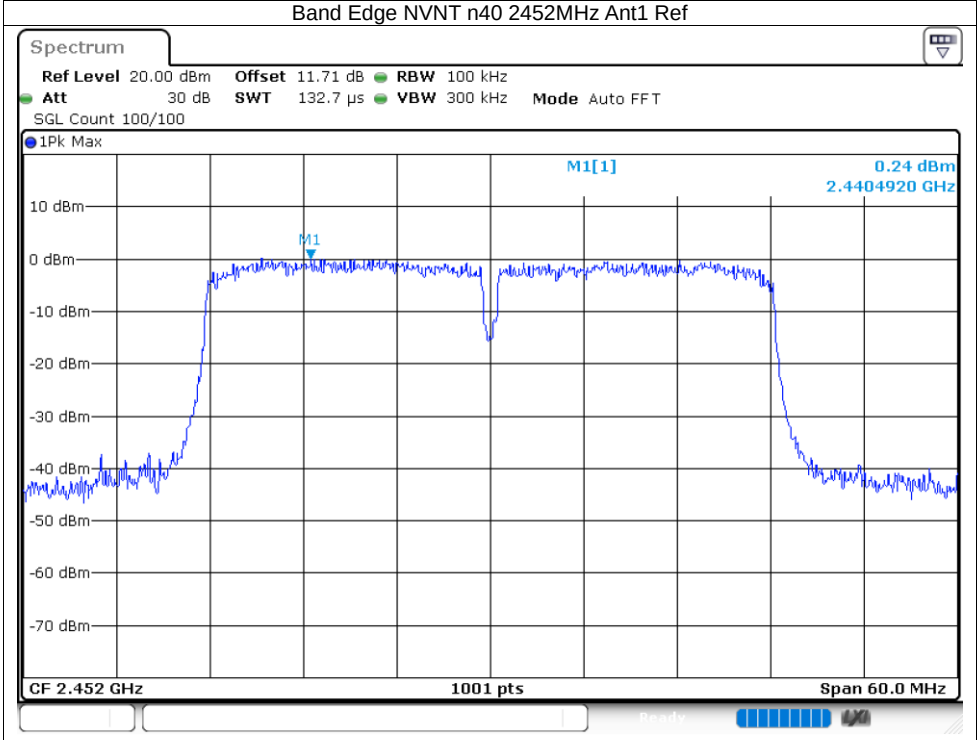
Band Edge NVNT n40 2422MHz Ant1 Ref



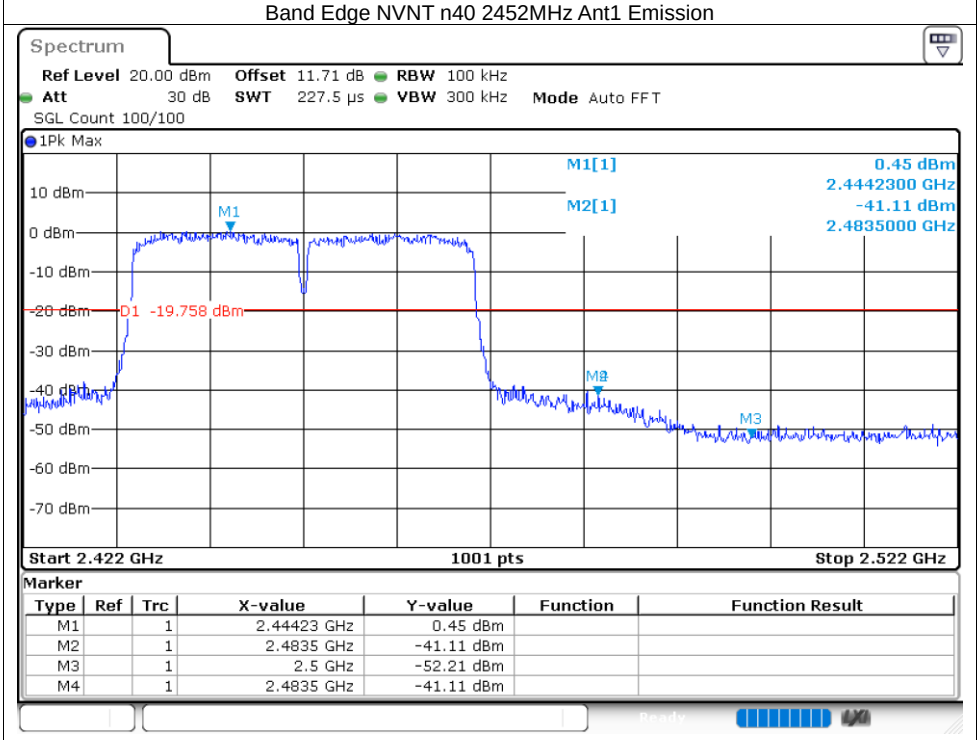
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



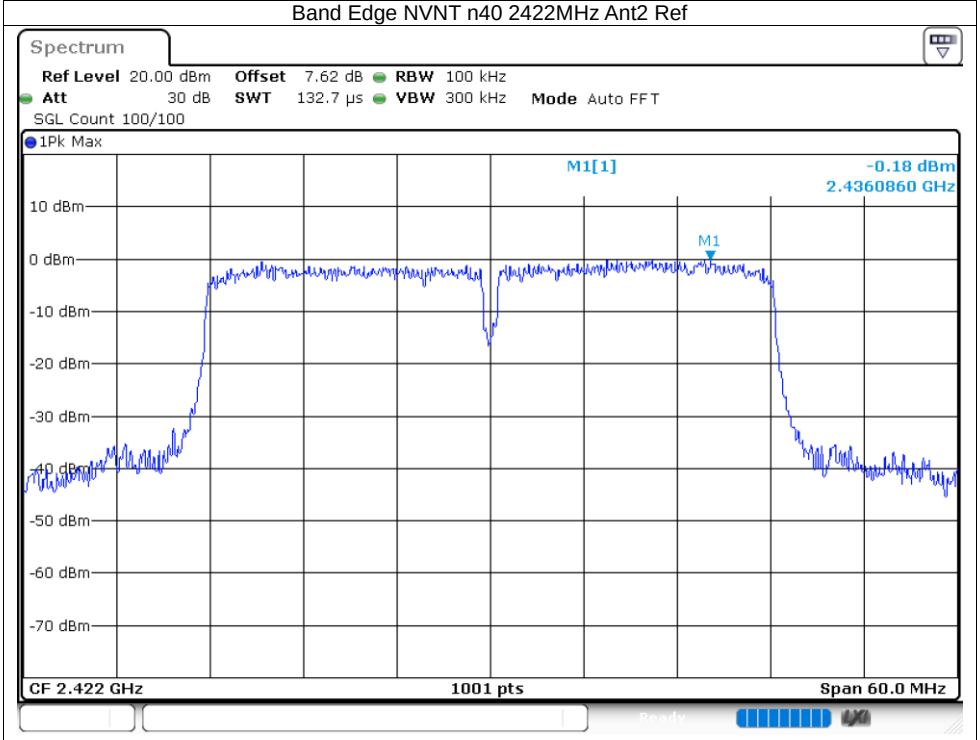
Band Edge NVNT n40 2452MHz Ant1 Emission



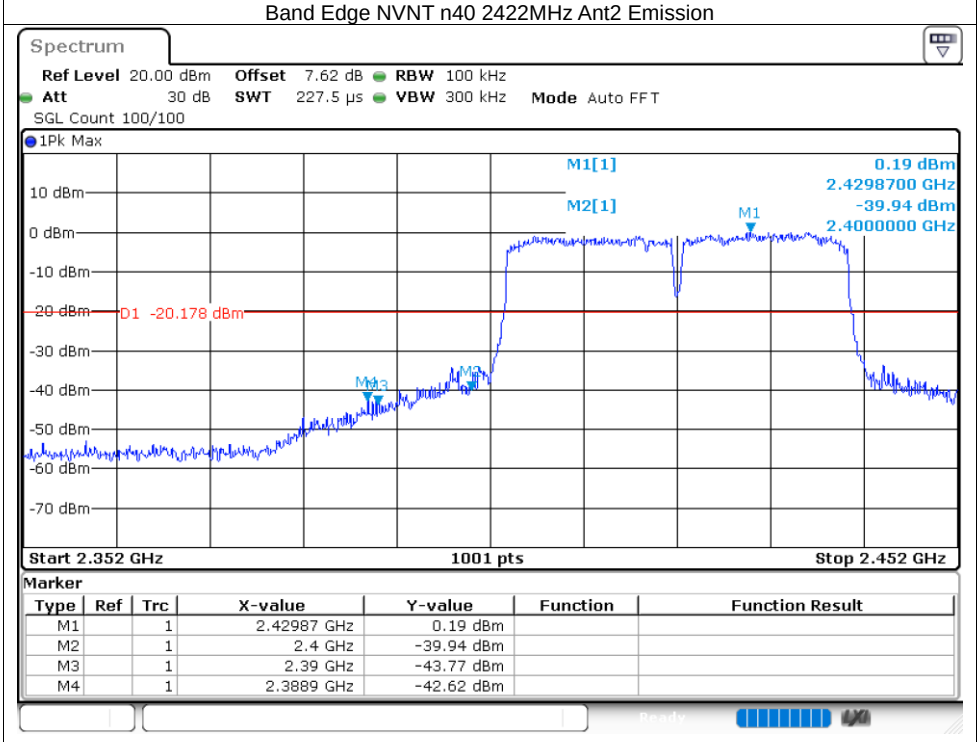
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44423 GHz	0.45 dBm		
M2		1	2.4835 GHz	-41.11 dBm		
M3		1	2.5 GHz	-52.21 dBm		
M4		1	2.4835 GHz	-41.11 dBm		

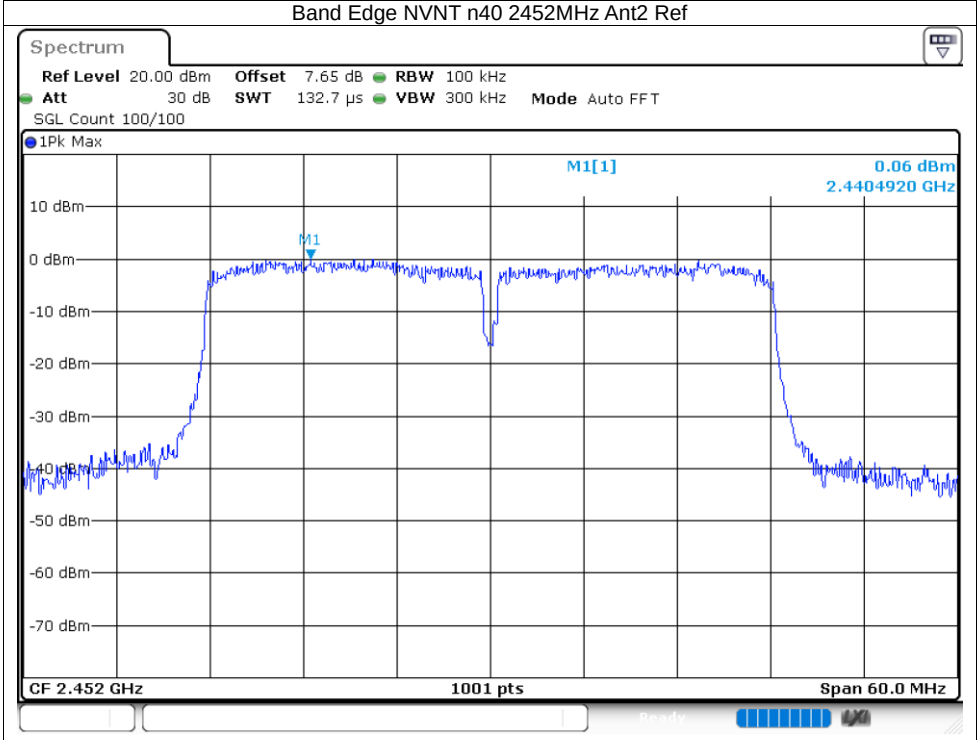
Band Edge NVNT n40 2422MHz Ant2 Ref



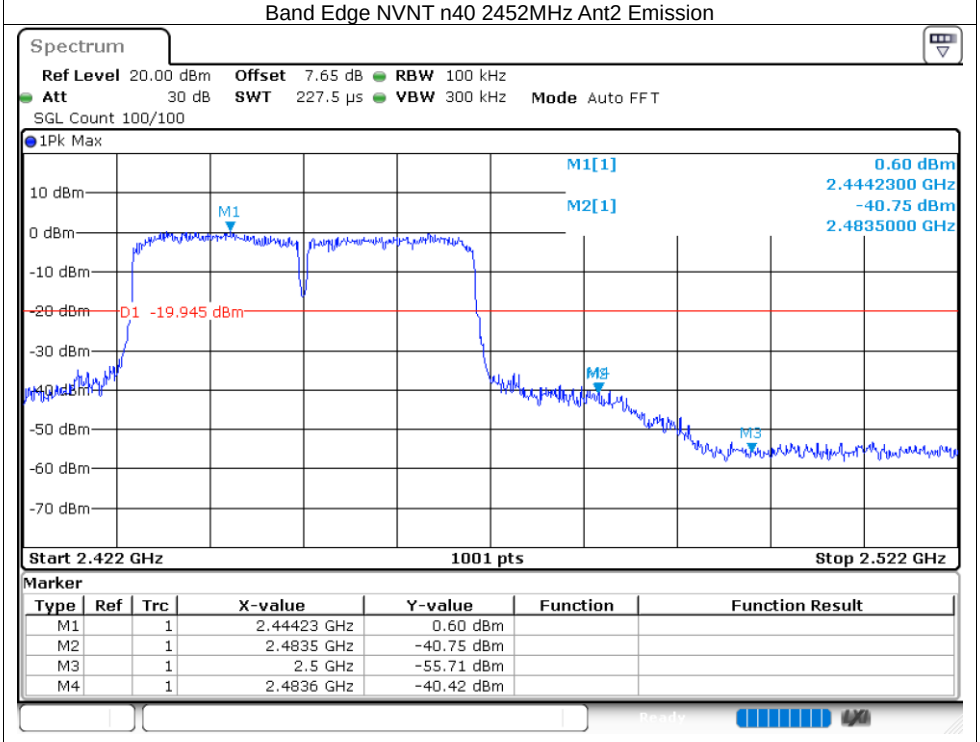
Band Edge NVNT n40 2422MHz Ant2 Emission



Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission



Marker

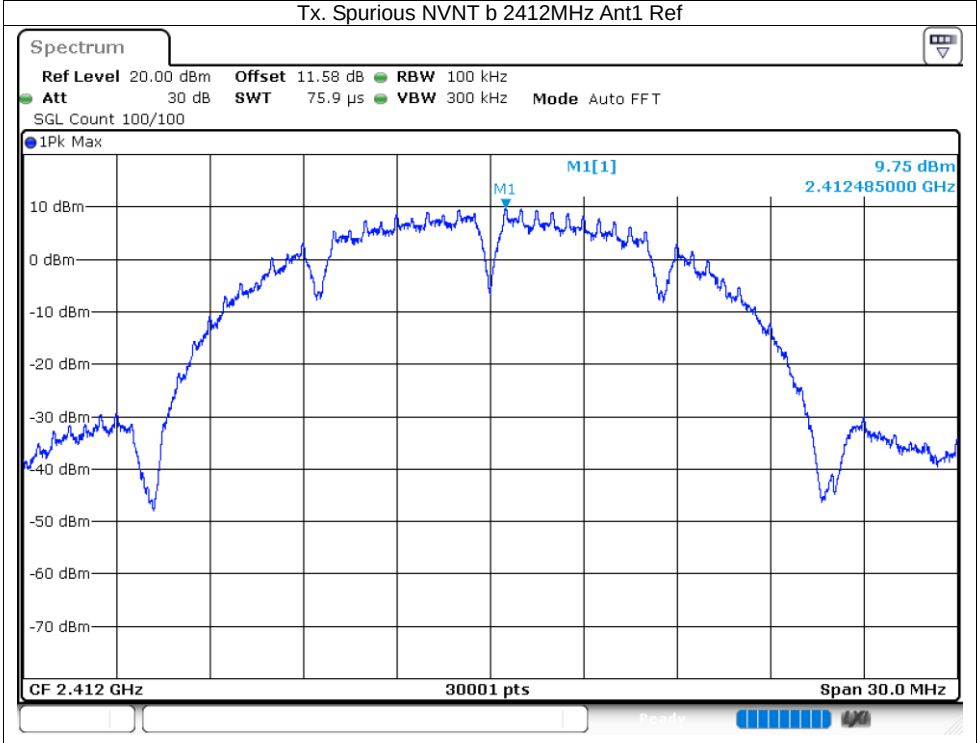
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44423 GHz	0.60 dBm		
M2		1	2.4835 GHz	-40.75 dBm		
M3		1	2.5 GHz	-55.71 dBm		
M4		1	2.4836 GHz	-40.42 dBm		

8.1.7 Conducted RF Spurious Emission

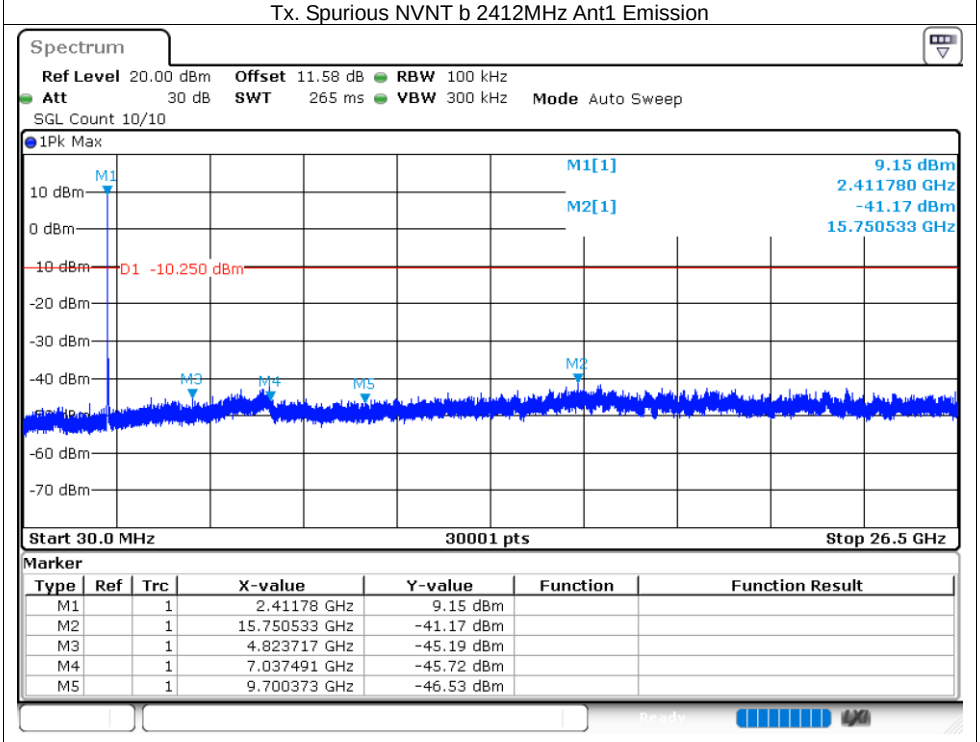
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.92	-20	Pass
NVNT	b	2437	Ant1	-51.43	-20	Pass
NVNT	b	2462	Ant1	-51.1	-20	Pass
NVNT	b	2412	Ant2	-55.45	-20	Pass
NVNT	b	2437	Ant2	-55.57	-20	Pass
NVNT	b	2462	Ant2	-55.82	-20	Pass
NVNT	g	2412	Ant1	-45.58	-20	Pass
NVNT	g	2437	Ant1	-46.23	-20	Pass
NVNT	g	2462	Ant1	-45.22	-20	Pass
NVNT	g	2412	Ant2	-49.45	-20	Pass
NVNT	g	2437	Ant2	-50.48	-20	Pass
NVNT	g	2462	Ant2	-49.89	-20	Pass
NVNT	n20	2412	Ant1	-44.56	-20	Pass
NVNT	n20	2437	Ant1	-43.73	-20	Pass
NVNT	n20	2462	Ant1	-44.53	-20	Pass
NVNT	n20	2412	Ant2	-48.12	-20	Pass
NVNT	n20	2437	Ant2	-48.95	-20	Pass
NVNT	n20	2462	Ant2	-49.07	-20	Pass
NVNT	n40	2422	Ant1	-42	-20	Pass
NVNT	n40	2437	Ant1	-42.41	-20	Pass
NVNT	n40	2452	Ant1	-42.29	-20	Pass
NVNT	n40	2422	Ant2	-44.82	-20	Pass
NVNT	n40	2437	Ant2	-45.95	-20	Pass
NVNT	n40	2452	Ant2	-45.88	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



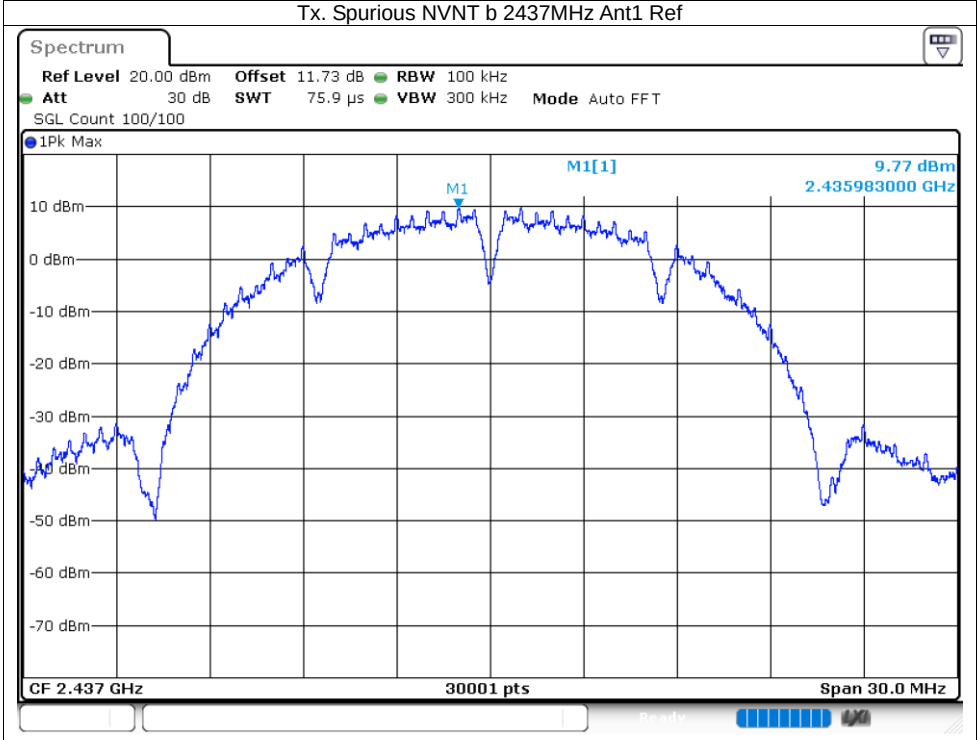
Tx. Spurious NVNT b 2412MHz Ant1 Emission



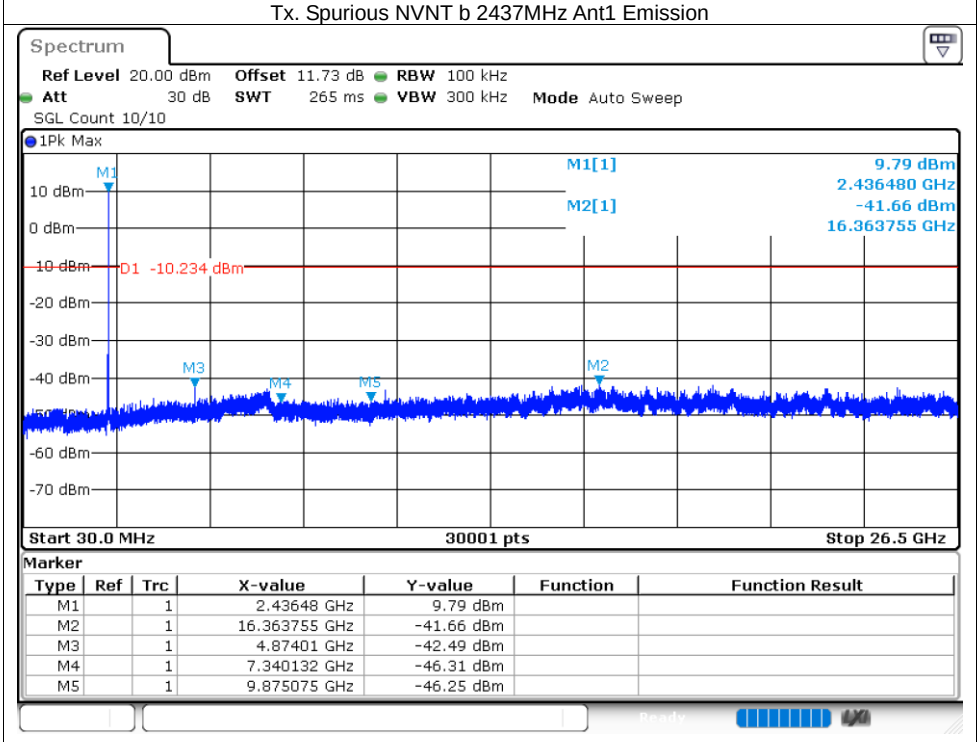
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41178 GHz	9.15 dBm		
M2		1	15.750533 GHz	-41.17 dBm		
M3		1	4.823717 GHz	-45.19 dBm		
M4		1	7.037491 GHz	-45.72 dBm		
M5		1	9.700373 GHz	-46.53 dBm		

Tx. Spurious NVNT b 2437MHz Ant1 Ref



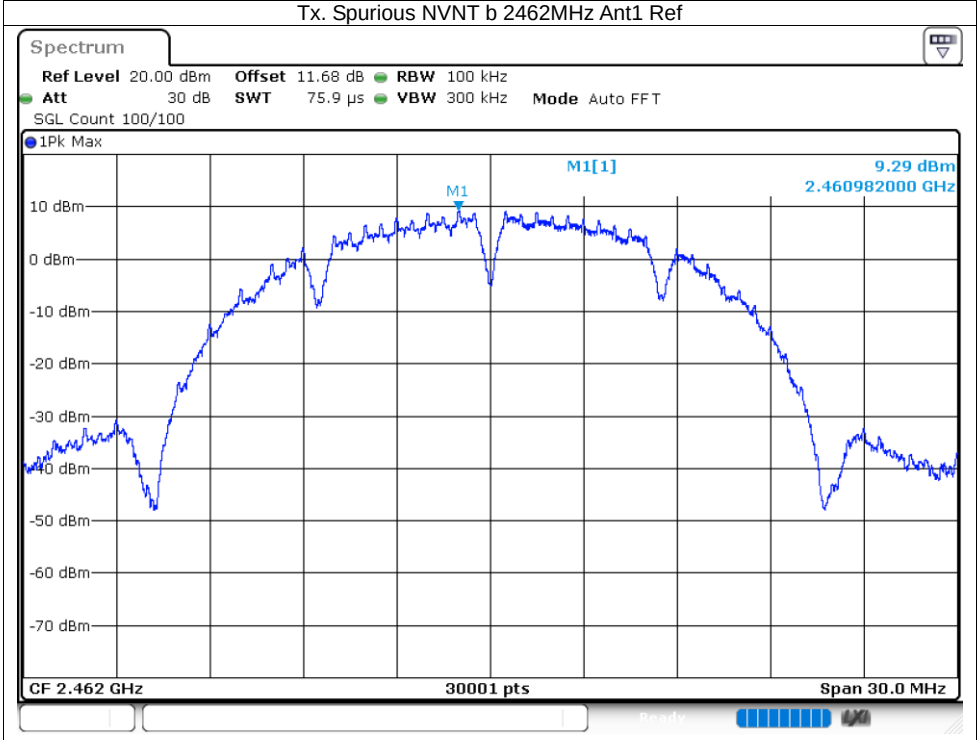
Tx. Spurious NVNT b 2437MHz Ant1 Emission



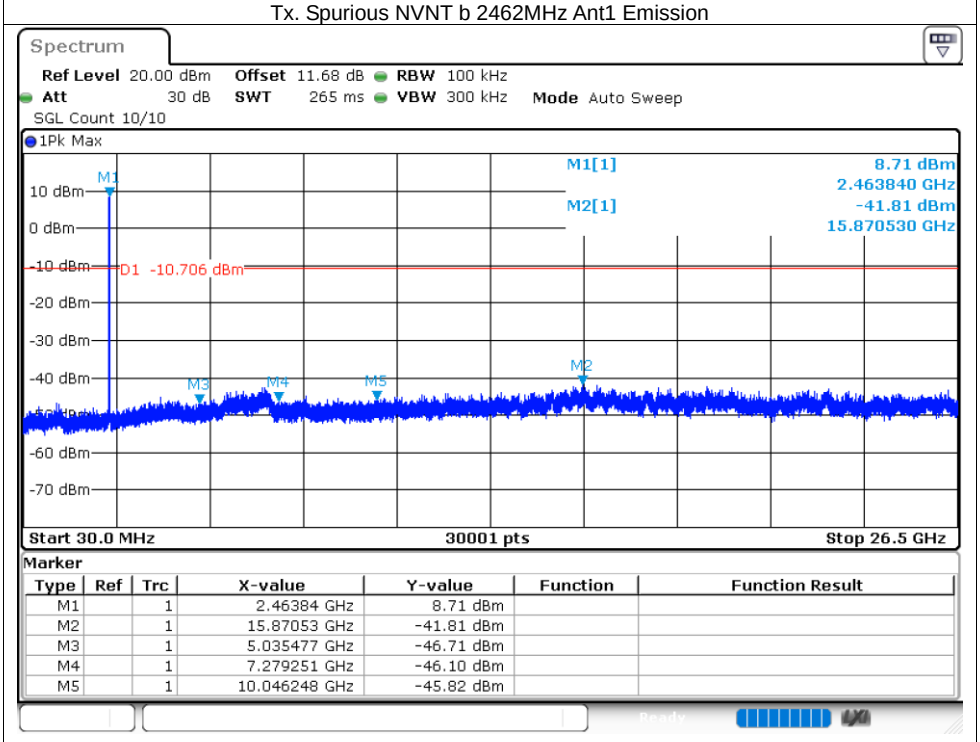
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43648 GHz	9.79 dBm		
M2		1	16.363755 GHz	-41.66 dBm		
M3		1	4.87401 GHz	-42.49 dBm		
M4		1	7.340132 GHz	-46.31 dBm		
M5		1	9.875075 GHz	-46.25 dBm		

Tx. Spurious NVNT b 2462MHz Ant1 Ref



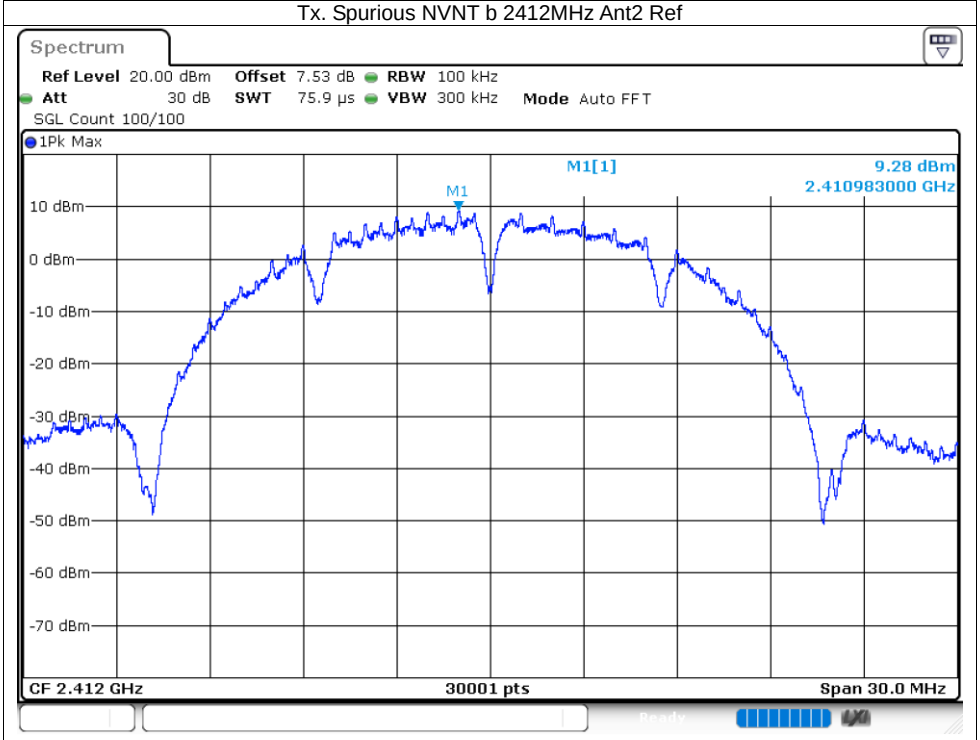
Tx. Spurious NVNT b 2462MHz Ant1 Emission



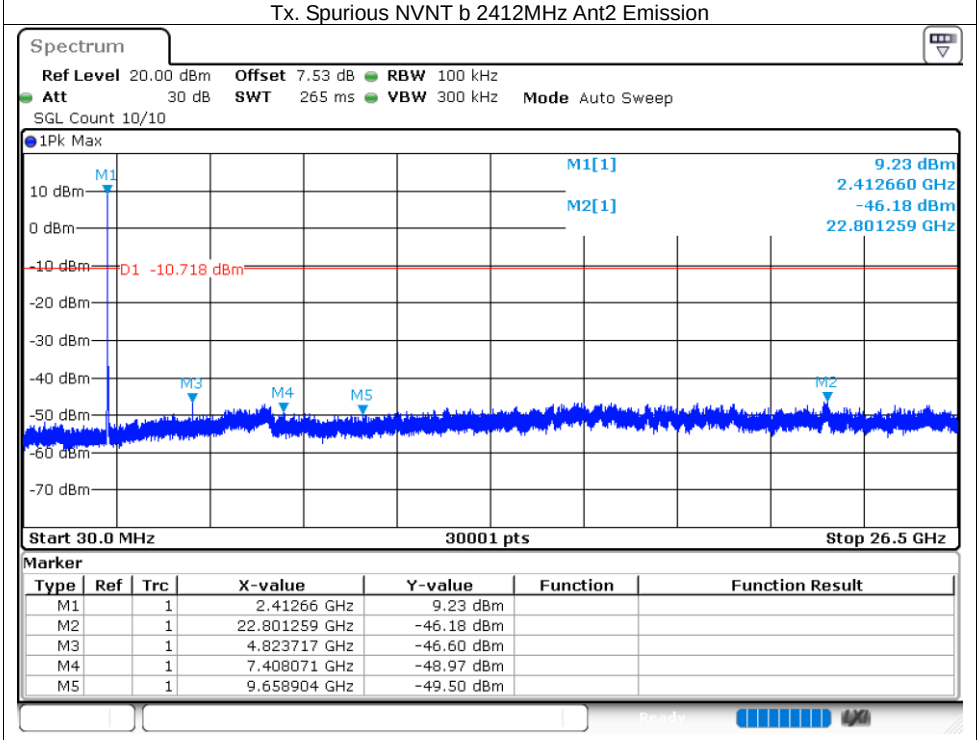
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46384 GHz	8.71 dBm		
M2		1	15.87053 GHz	-41.81 dBm		
M3		1	5.035477 GHz	-46.71 dBm		
M4		1	7.279251 GHz	-46.10 dBm		
M5		1	10.046248 GHz	-45.82 dBm		

Tx. Spurious NVNT b 2412MHz Ant2 Ref



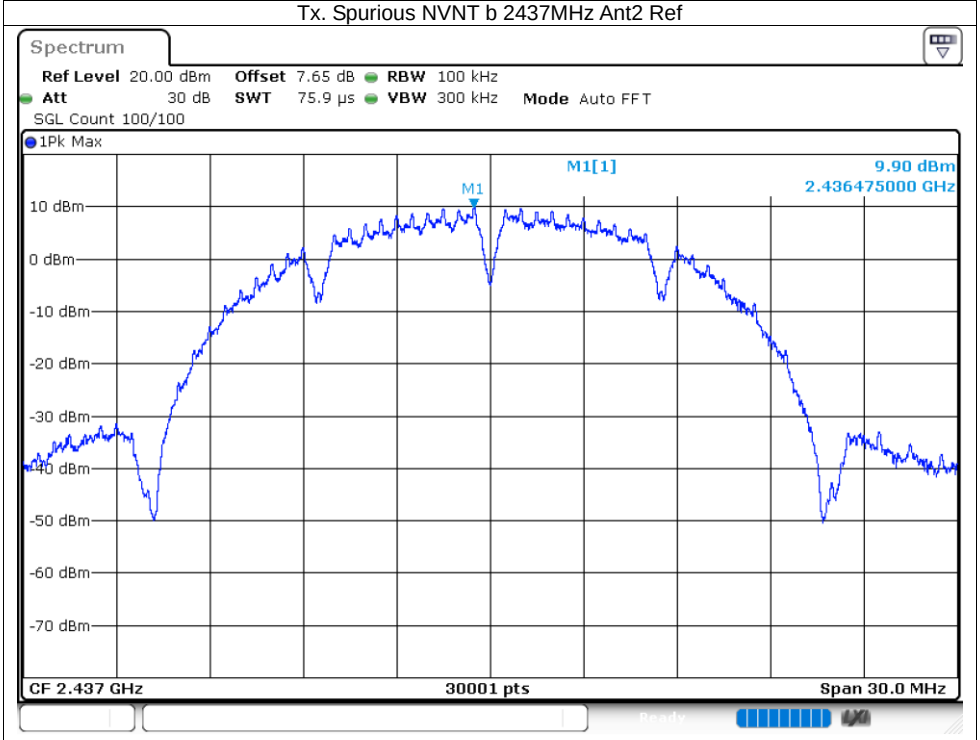
Tx. Spurious NVNT b 2412MHz Ant2 Emission



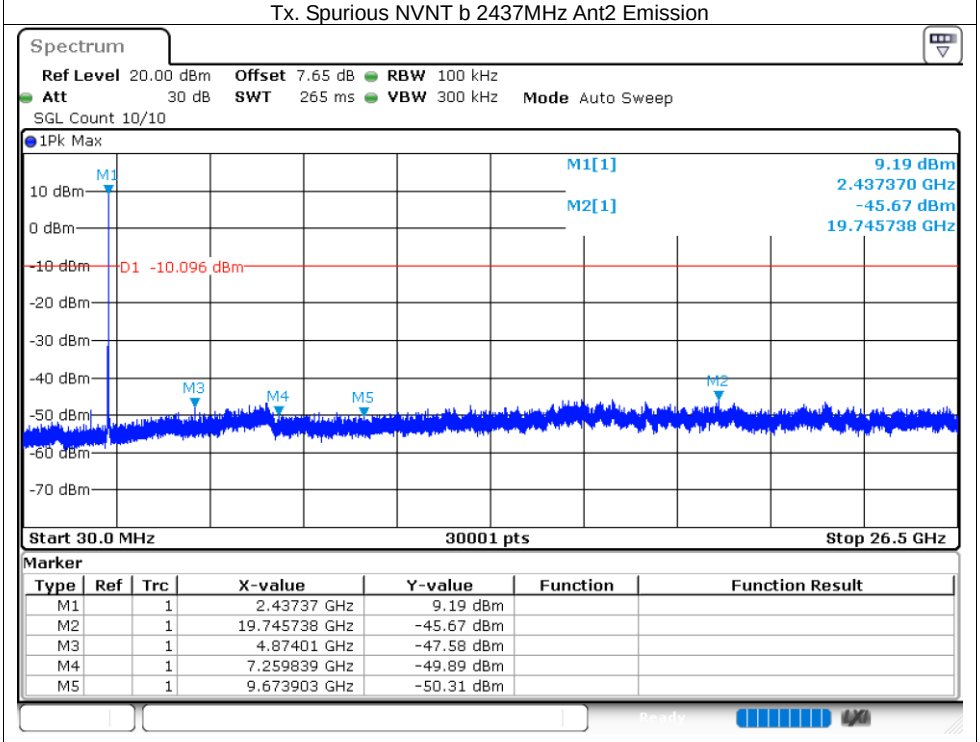
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41266 GHz	9.23 dBm		
M2		1	22.801259 GHz	-46.18 dBm		
M3		1	4.823717 GHz	-46.60 dBm		
M4		1	7.408071 GHz	-48.97 dBm		
M5		1	9.658904 GHz	-49.50 dBm		

Tx. Spurious NVNT b 2437MHz Ant2 Ref



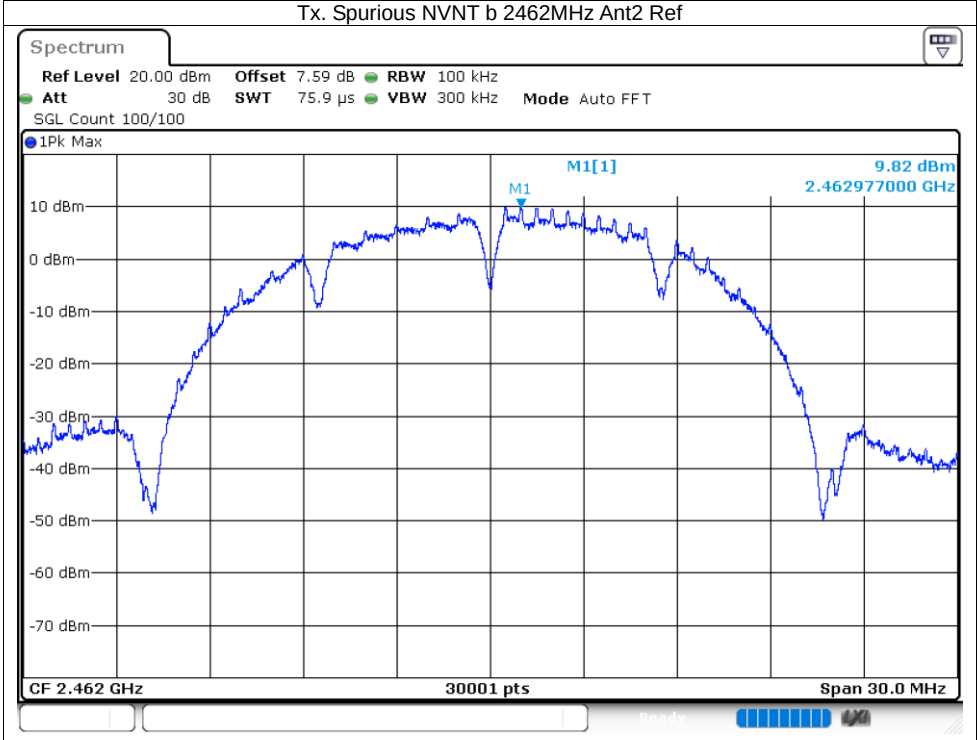
Tx. Spurious NVNT b 2437MHz Ant2 Emission



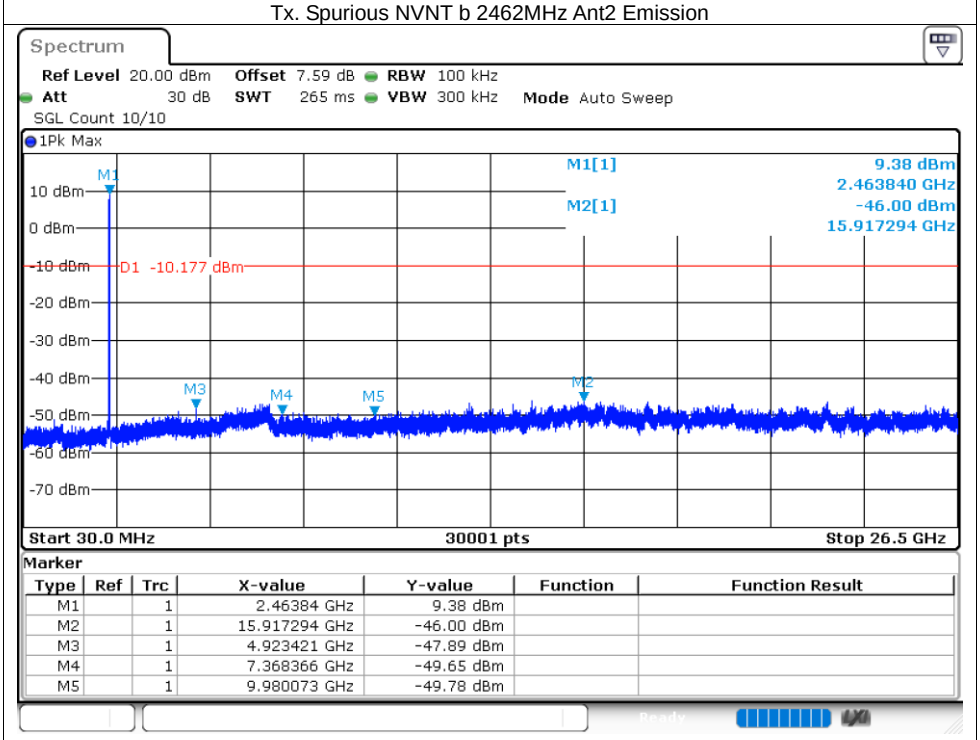
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43737 GHz	9.19 dBm		
M2		1	19.745738 GHz	-45.67 dBm		
M3		1	4.87401 GHz	-47.58 dBm		
M4		1	7.259839 GHz	-49.89 dBm		
M5		1	9.673903 GHz	-50.31 dBm		

Tx. Spurious NVNT b 2462MHz Ant2 Ref



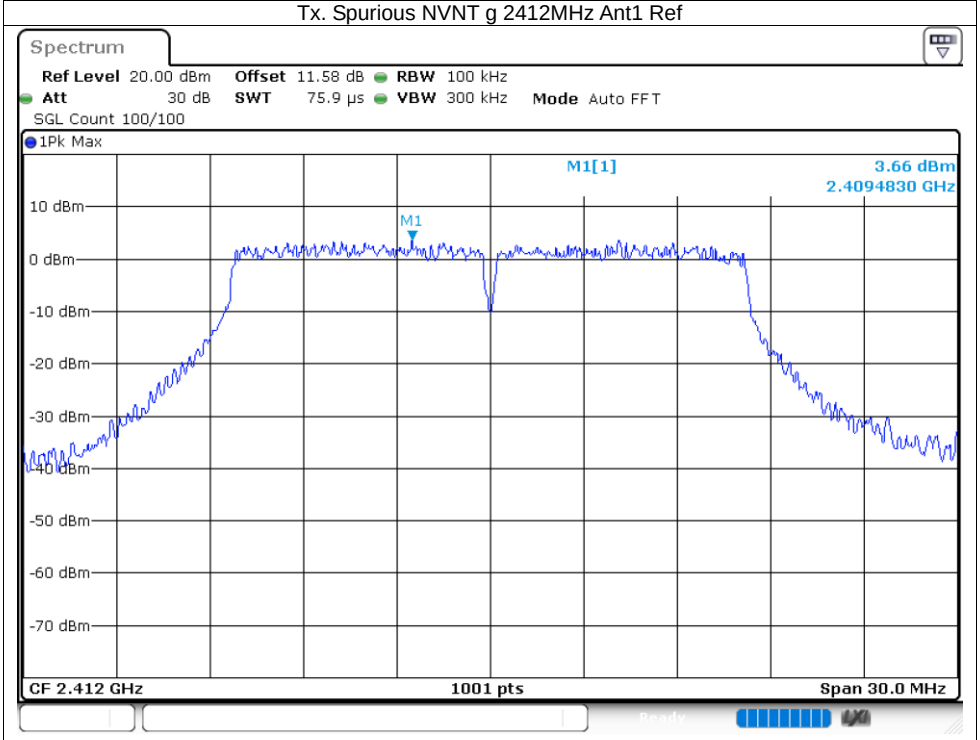
Tx. Spurious NVNT b 2462MHz Ant2 Emission



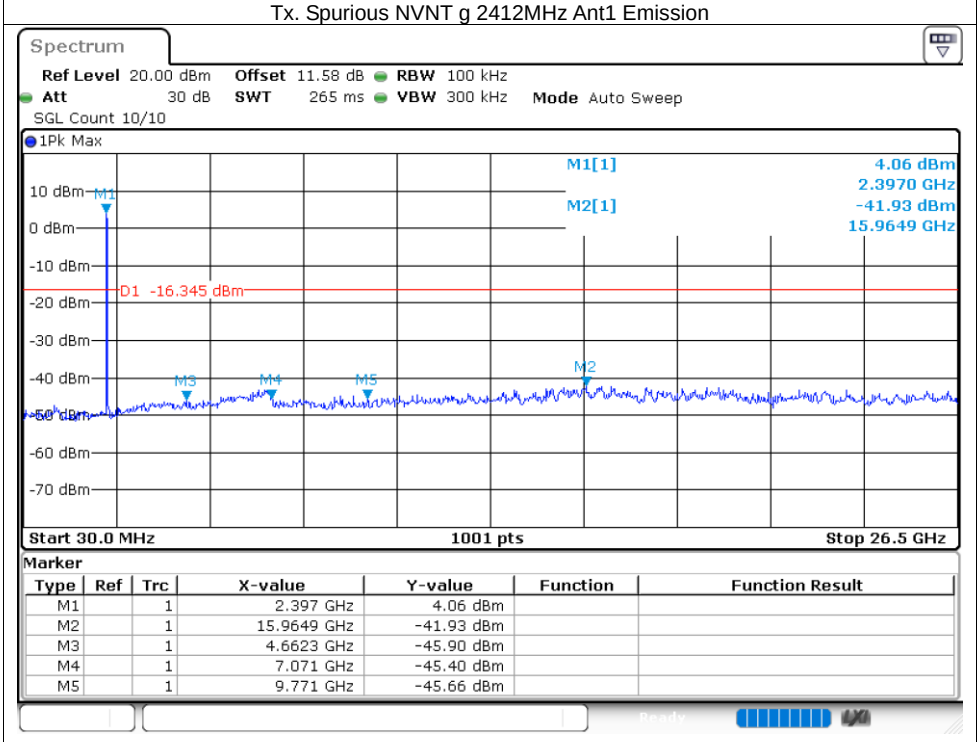
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46384 GHz	9.38 dBm		
M2		1	15.917294 GHz	-46.00 dBm		
M3		1	4.923421 GHz	-47.89 dBm		
M4		1	7.368366 GHz	-49.65 dBm		
M5		1	9.980073 GHz	-49.78 dBm		

Tx. Spurious NVNT g 2412MHz Ant1 Ref



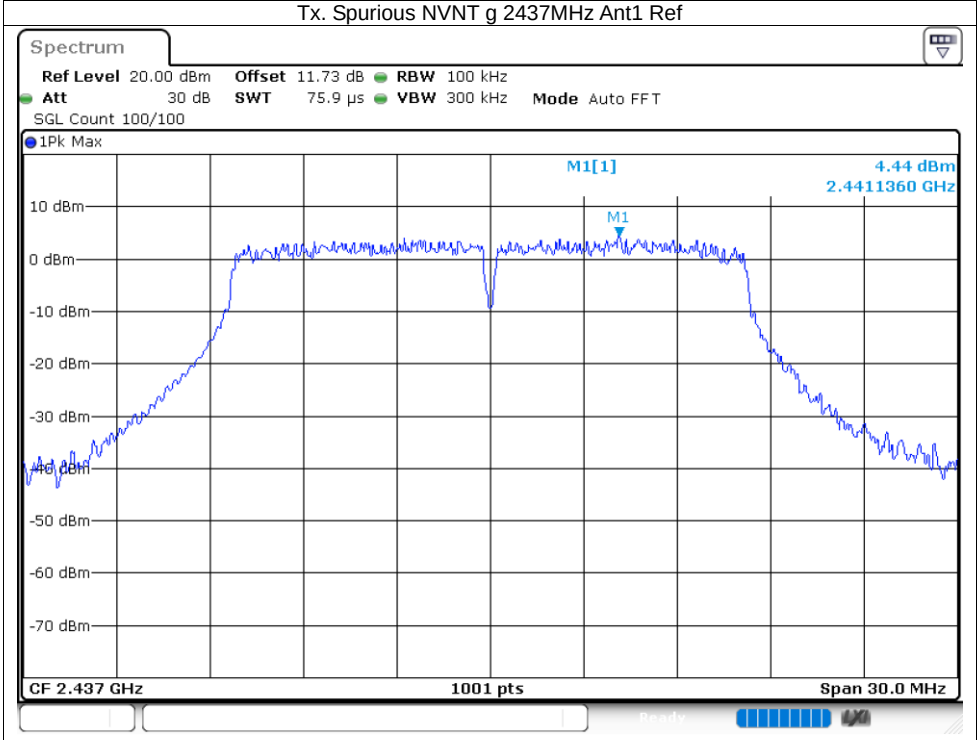
Tx. Spurious NVNT g 2412MHz Ant1 Emission



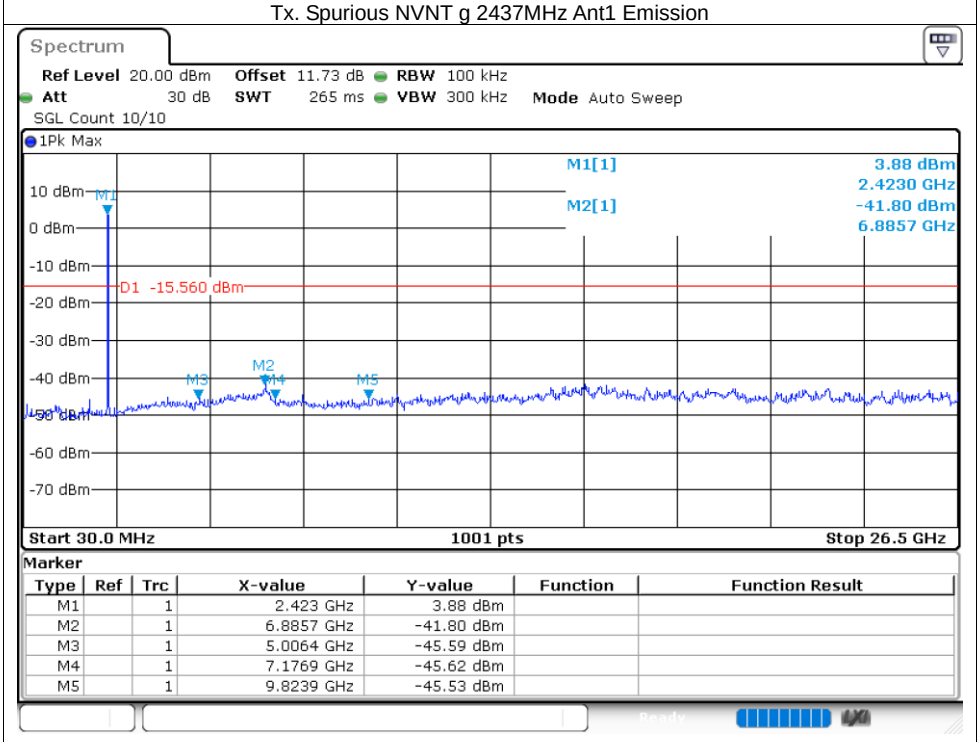
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	4.06 dBm		
M2		1	15.9649 GHz	-41.93 dBm		
M3		1	4.6623 GHz	-45.90 dBm		
M4		1	7.071 GHz	-45.40 dBm		
M5		1	9.771 GHz	-45.66 dBm		

Tx. Spurious NVNT g 2437MHz Ant1 Ref



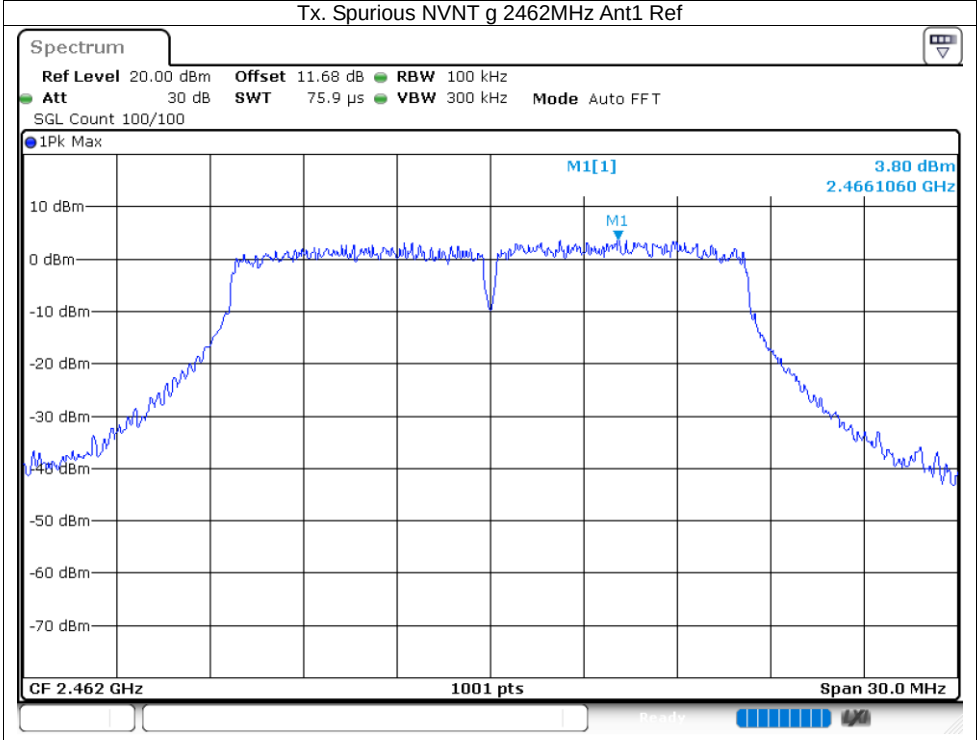
Tx. Spurious NVNT g 2437MHz Ant1 Emission



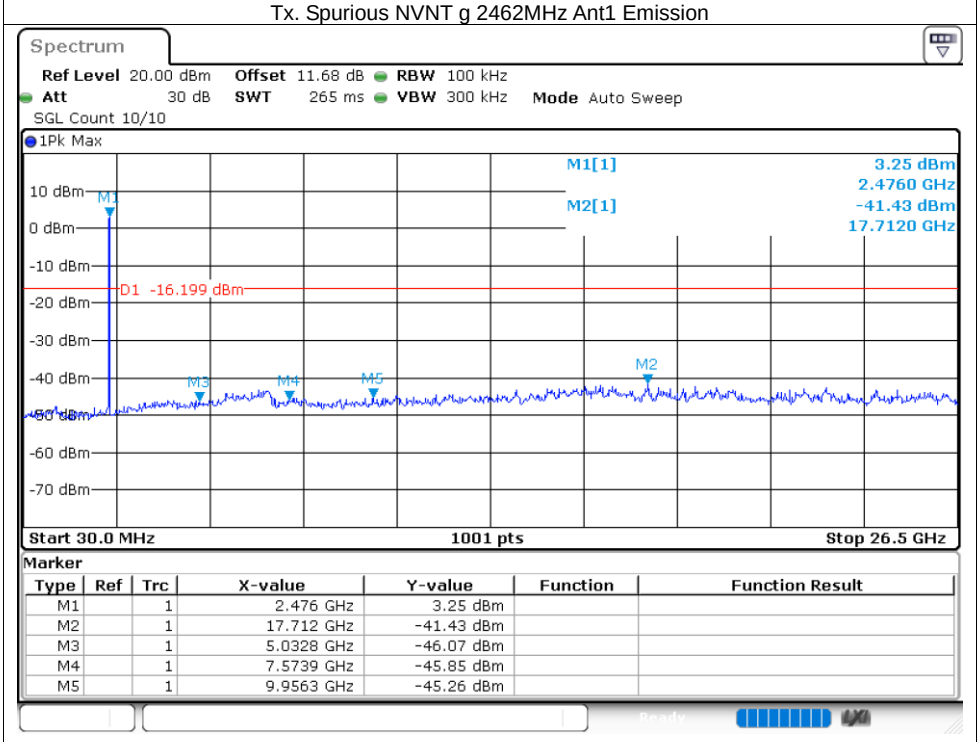
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	3.88 dBm		
M2		1	6.8857 GHz	-41.80 dBm		
M3		1	5.0064 GHz	-45.59 dBm		
M4		1	7.1769 GHz	-45.62 dBm		
M5		1	9.8239 GHz	-45.53 dBm		

Tx. Spurious NVNT g 2462MHz Ant1 Ref



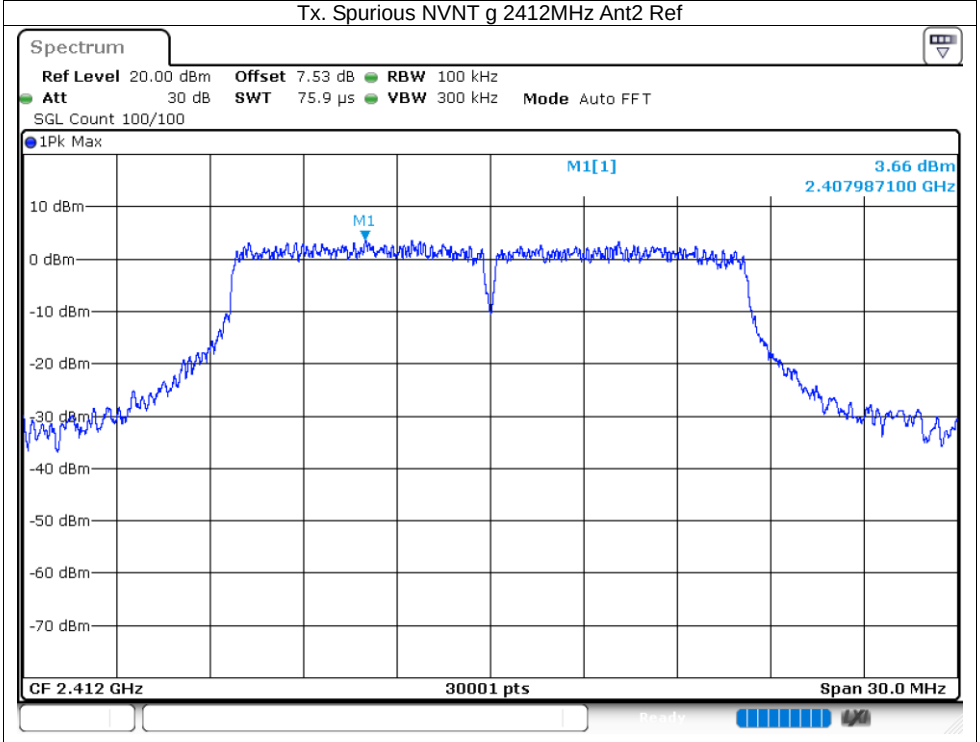
Tx. Spurious NVNT g 2462MHz Ant1 Emission



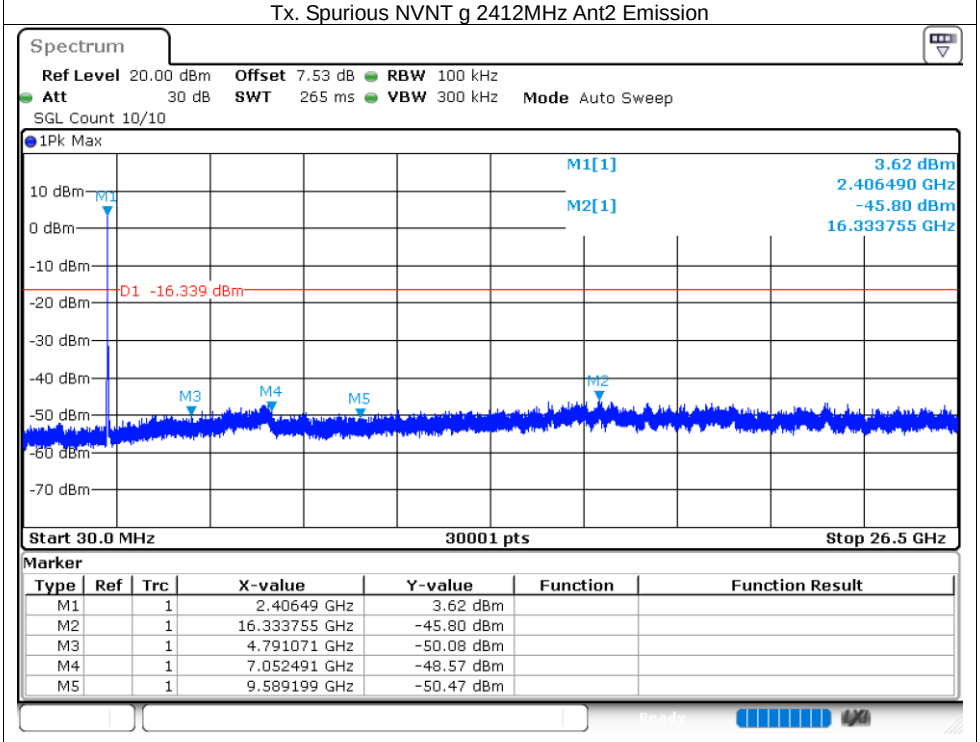
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	3.25 dBm		
M2		1	17.712 GHz	-41.43 dBm		
M3		1	5.0328 GHz	-46.07 dBm		
M4		1	7.5739 GHz	-45.85 dBm		
M5		1	9.9563 GHz	-45.26 dBm		

Tx. Spurious NVNT g 2412MHz Ant2 Ref



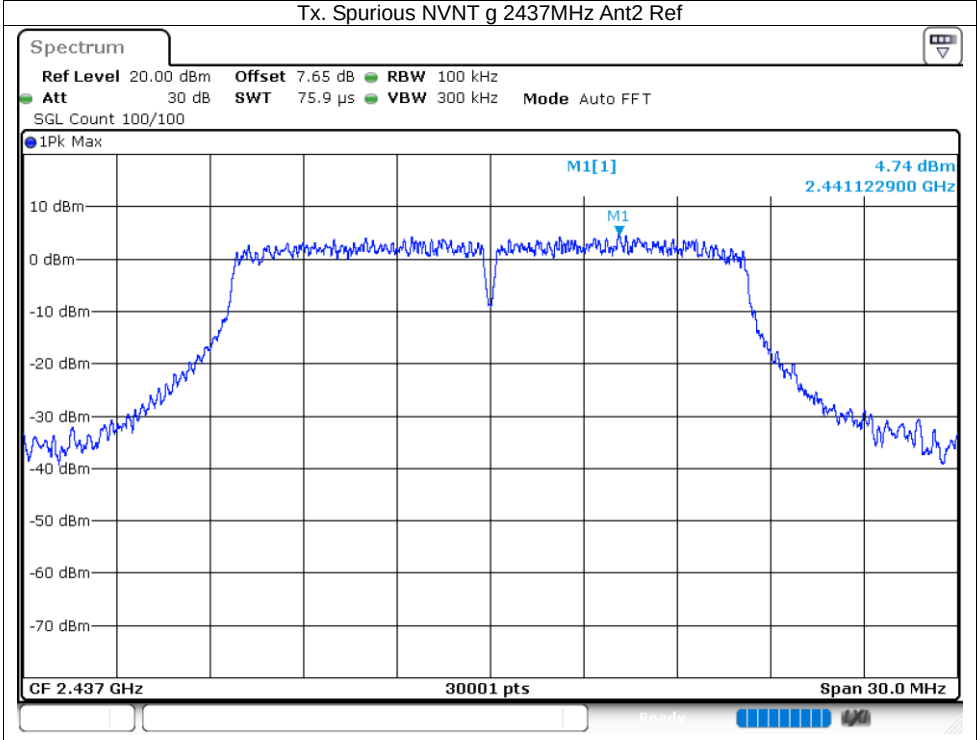
Tx. Spurious NVNT g 2412MHz Ant2 Emission



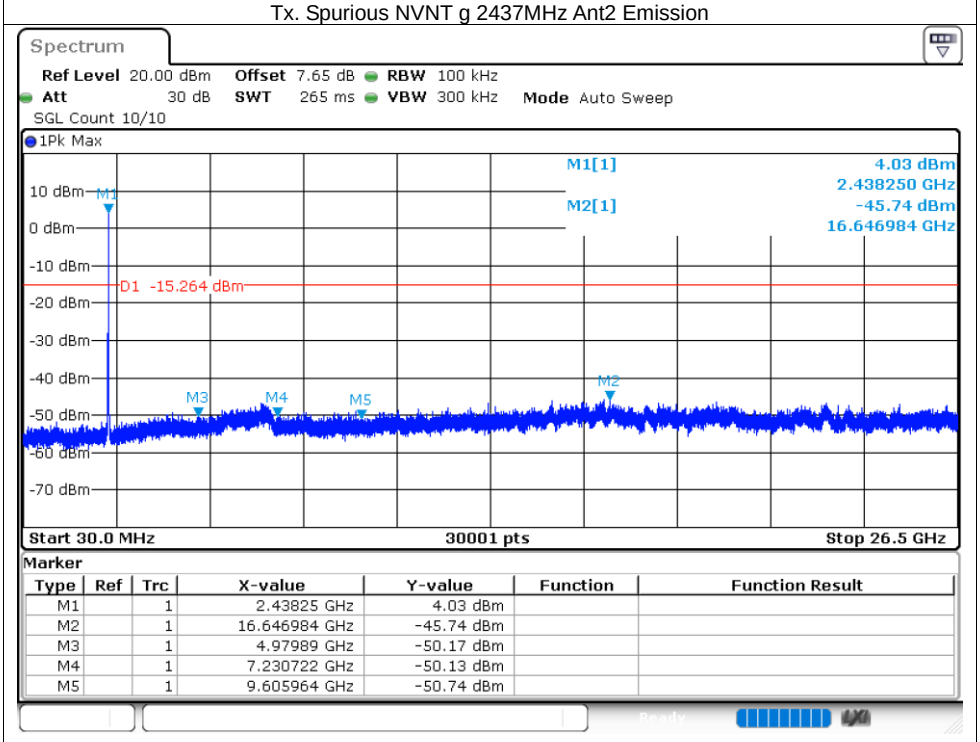
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40649 GHz	3.62 dBm		
M2		1	16.333755 GHz	-45.80 dBm		
M3		1	4.791071 GHz	-50.08 dBm		
M4		1	7.052491 GHz	-48.57 dBm		
M5		1	9.589199 GHz	-50.47 dBm		

Tx. Spurious NVNT g 2437MHz Ant2 Ref



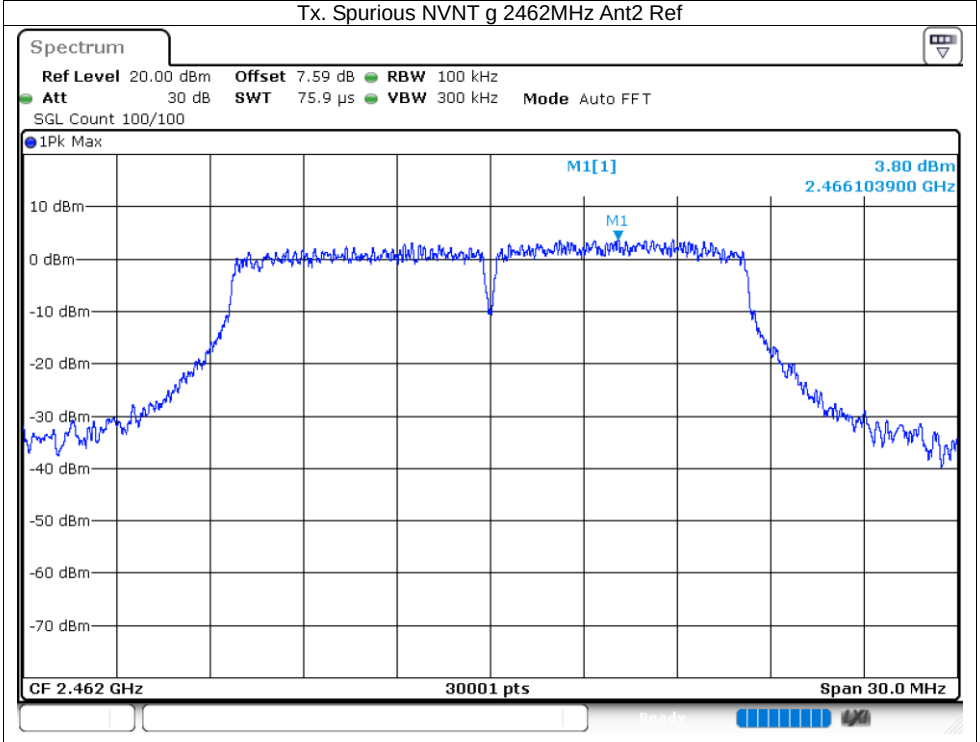
Tx. Spurious NVNT g 2437MHz Ant2 Emission



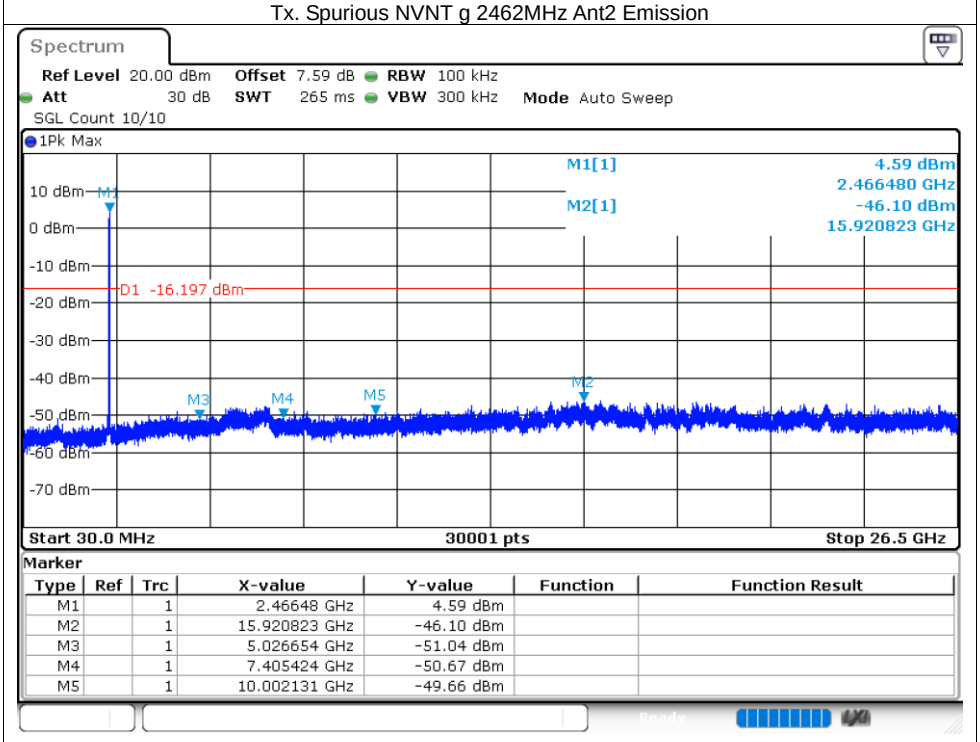
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43825 GHz	4.03 dBm		
M2		1	16.646984 GHz	-45.74 dBm		
M3		1	4.97989 GHz	-50.17 dBm		
M4		1	7.230722 GHz	-50.13 dBm		
M5		1	9.605964 GHz	-50.74 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	2.46648 GHz	4.59 dBm		
M2		1	15.920823 GHz	-46.10 dBm		
M3		1	5.026654 GHz	-51.04 dBm		
M4		1	7.405424 GHz	-50.67 dBm		
M5		1	10.002131 GHz	-49.66 dBm		