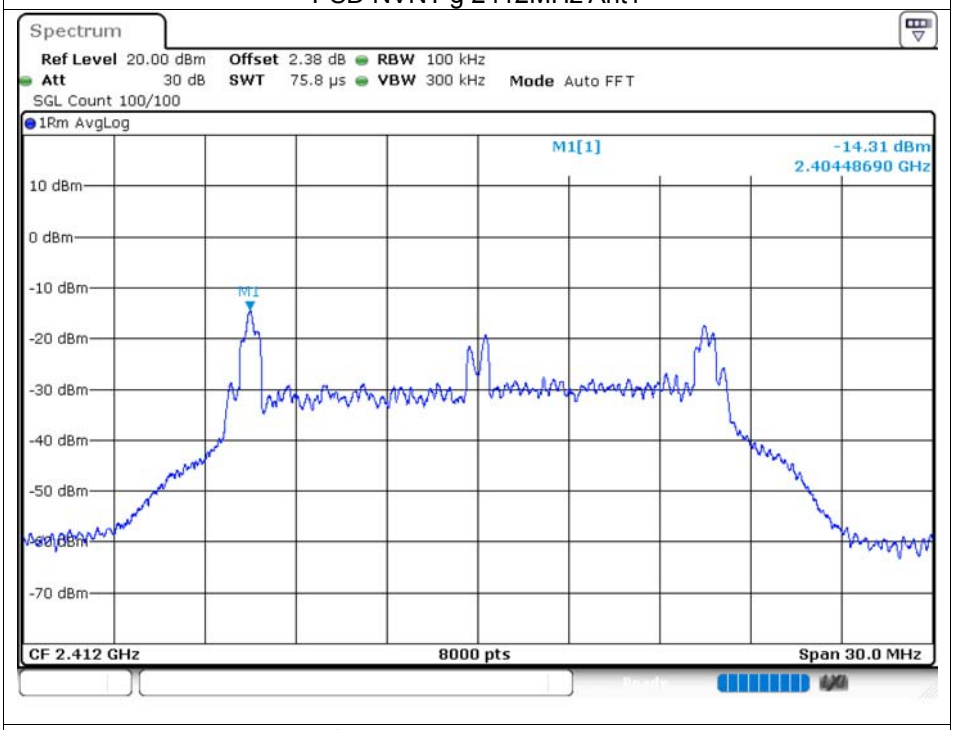
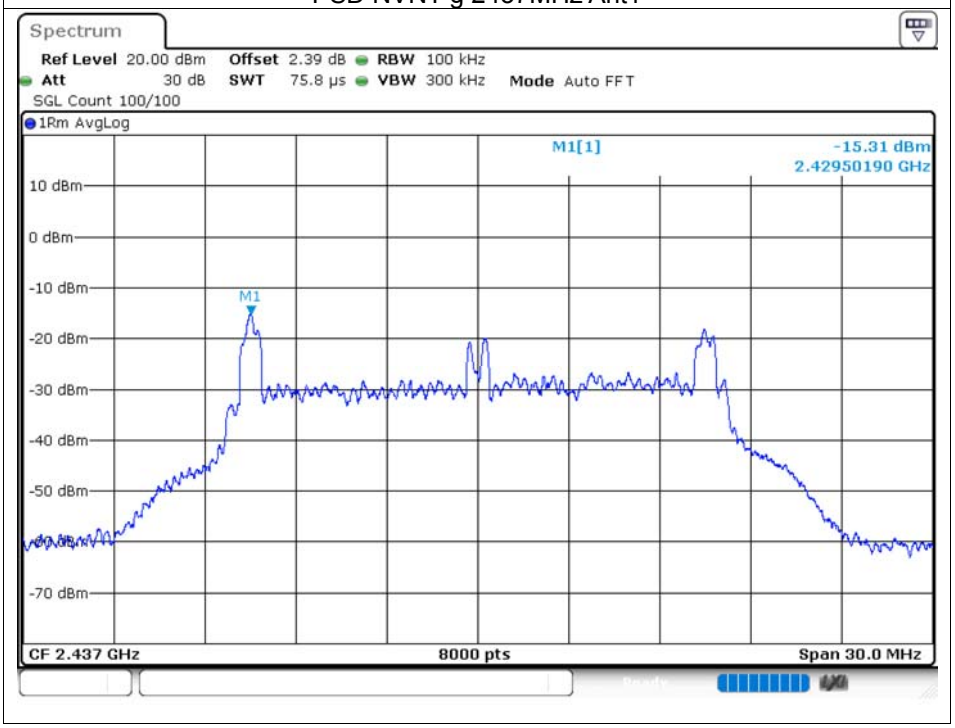
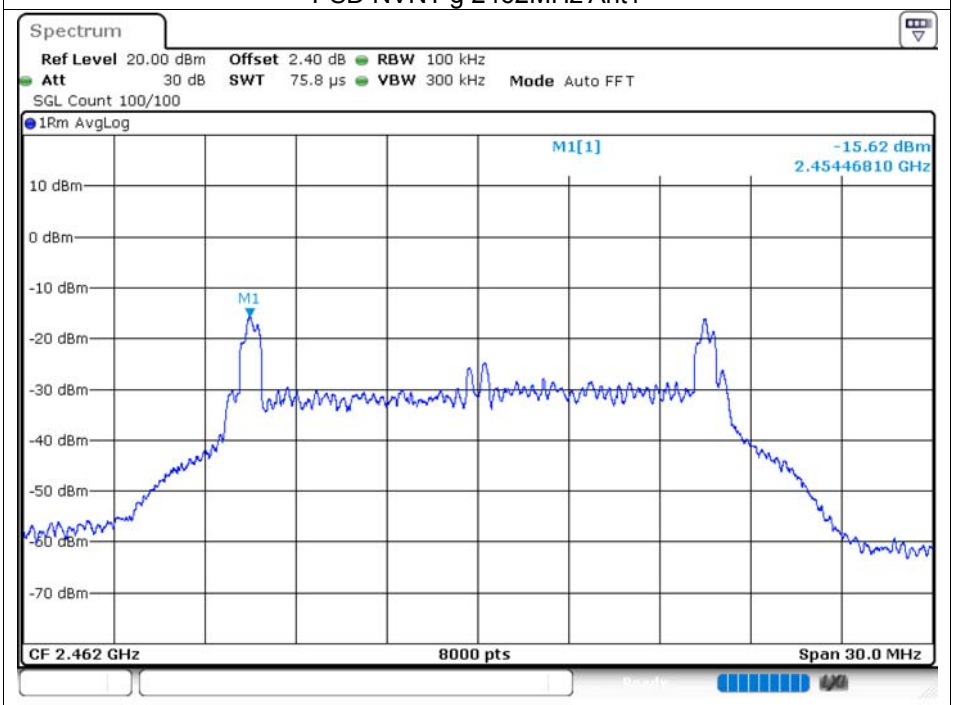
PSD NVNT g 2412MHz Ant1



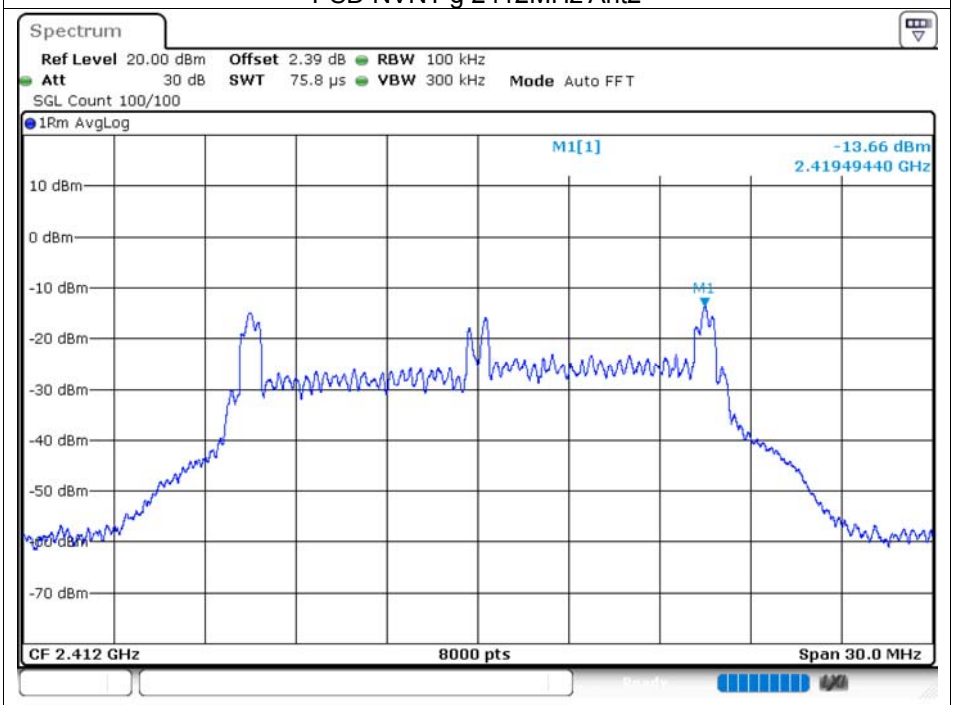
PSD NVNT g 2437MHz Ant1



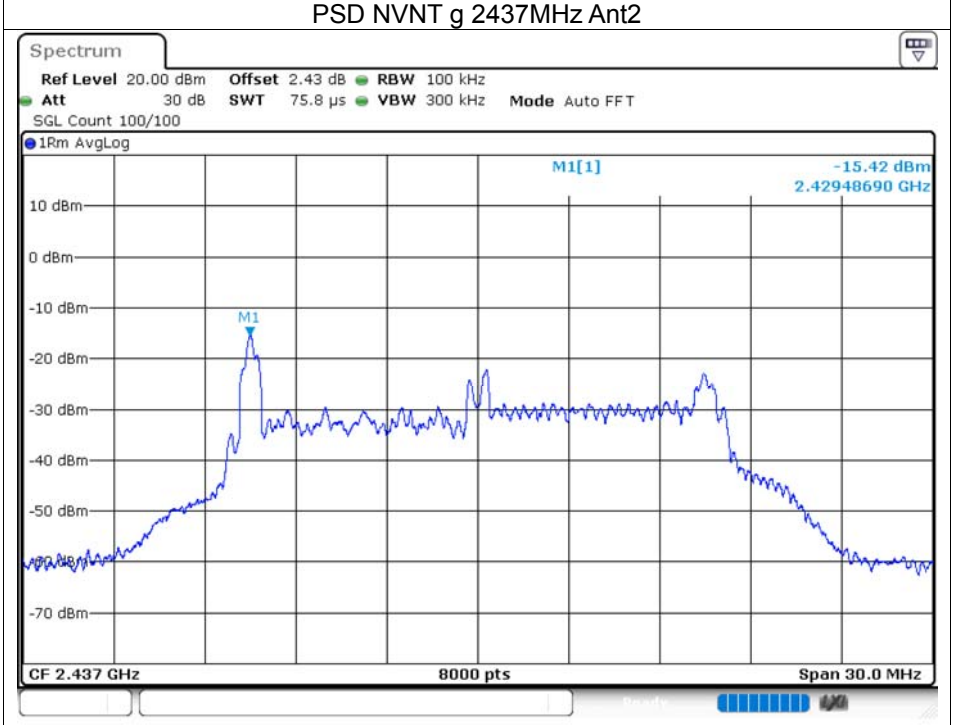
PSD NVNT g 2462MHz Ant1



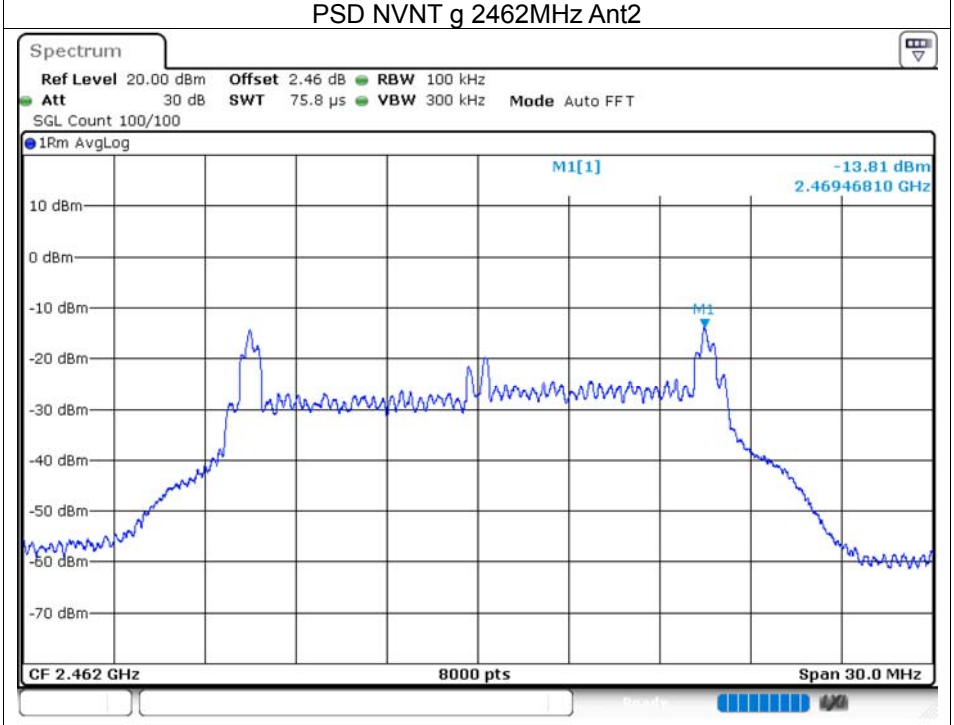
PSD NVNT g 2412MHz Ant2



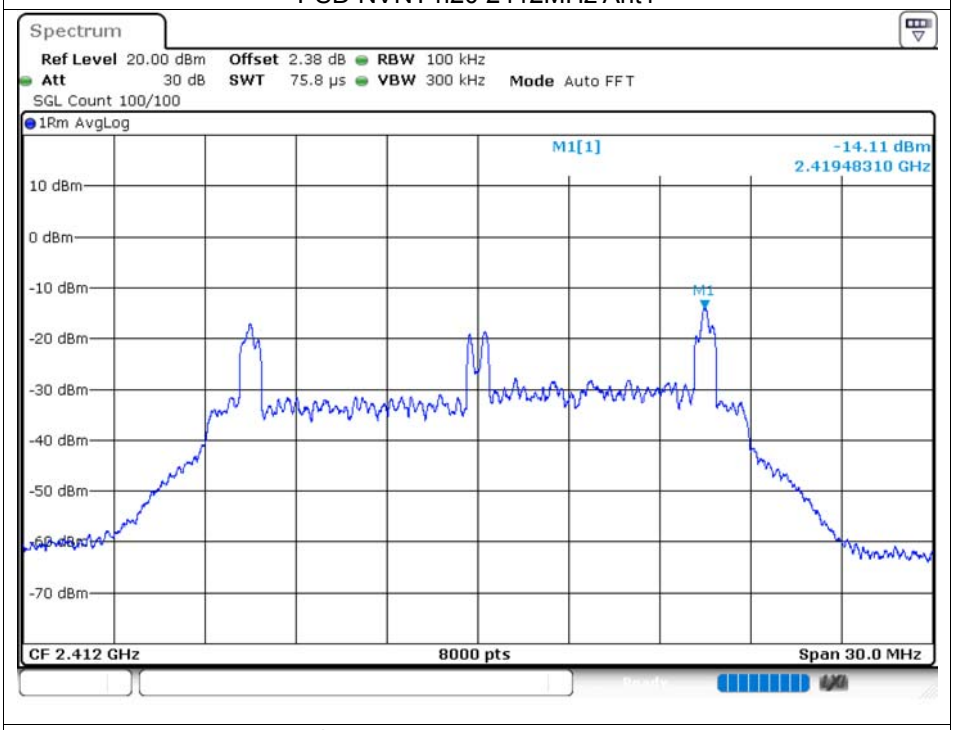
PSD NVNT g 2437MHz Ant2



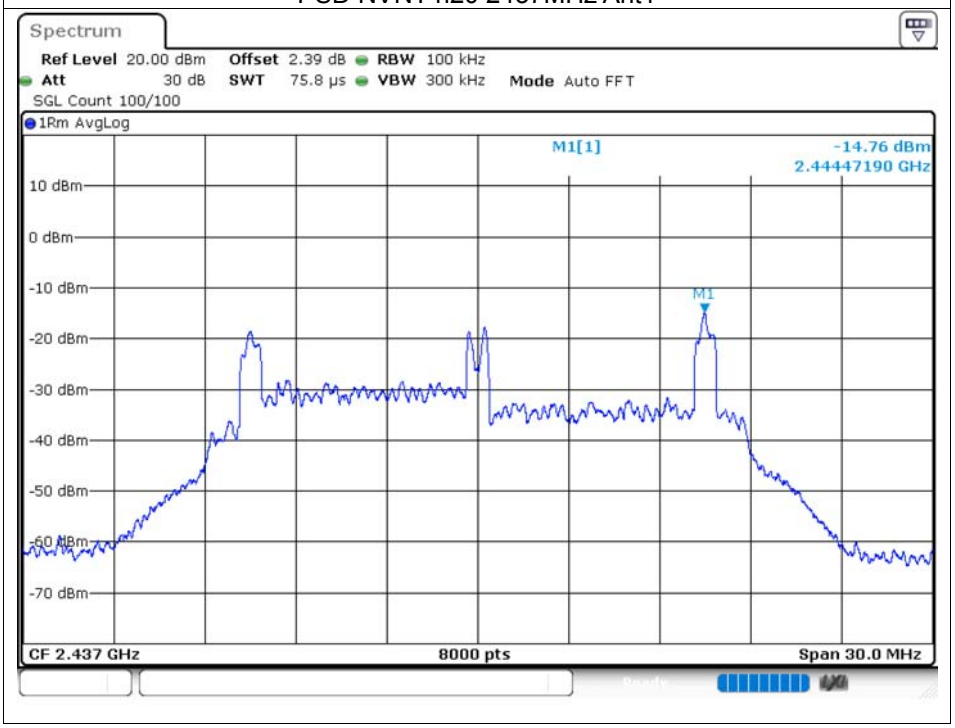
PSD NVNT g 2462MHz Ant2



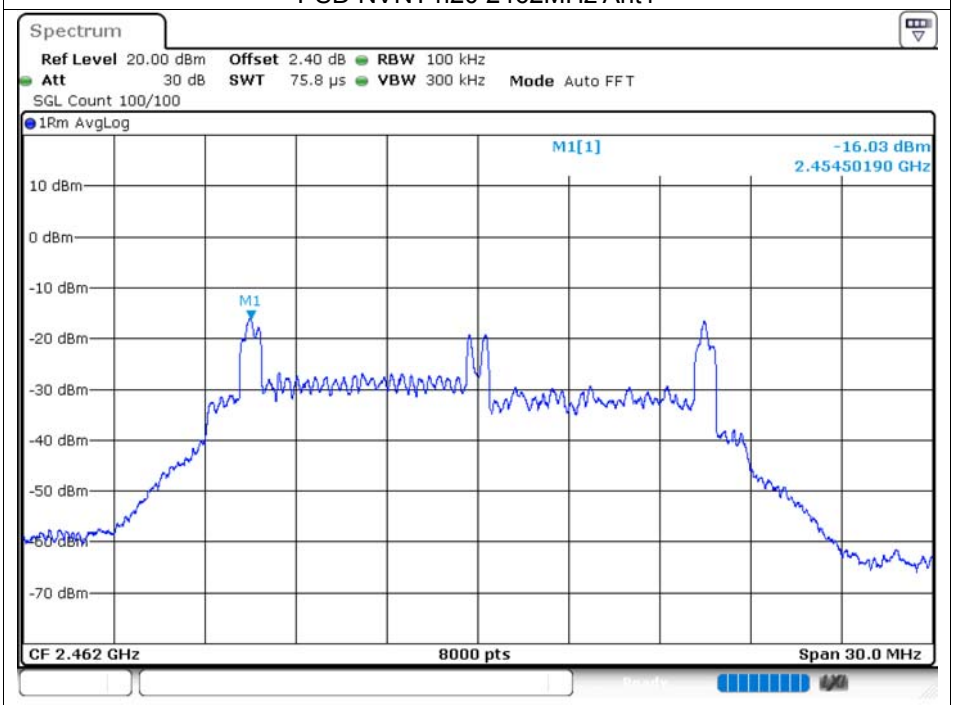
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



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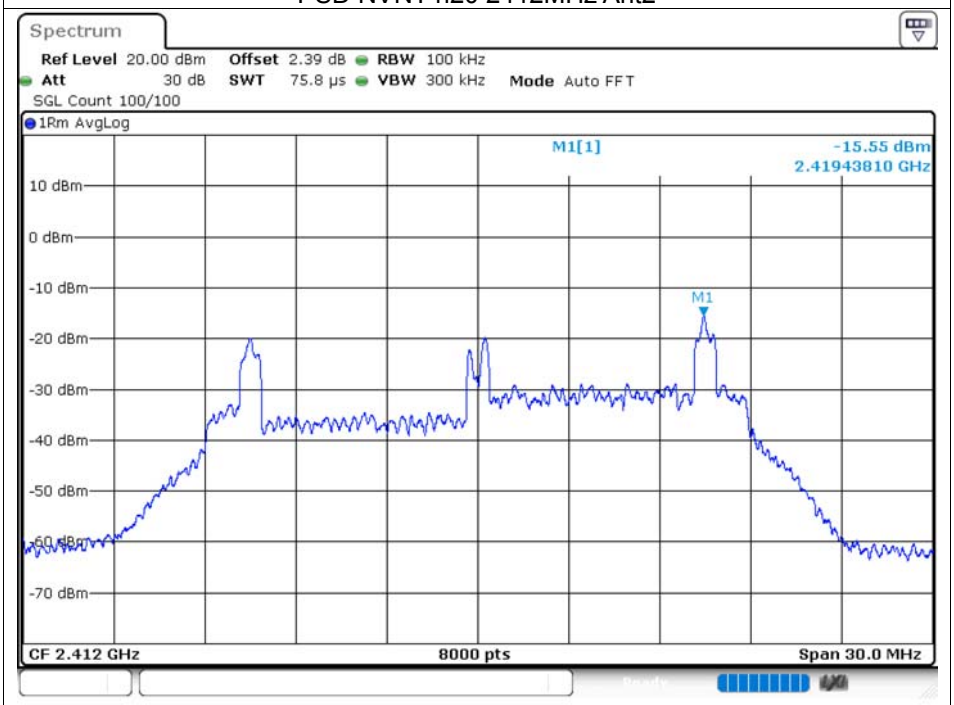
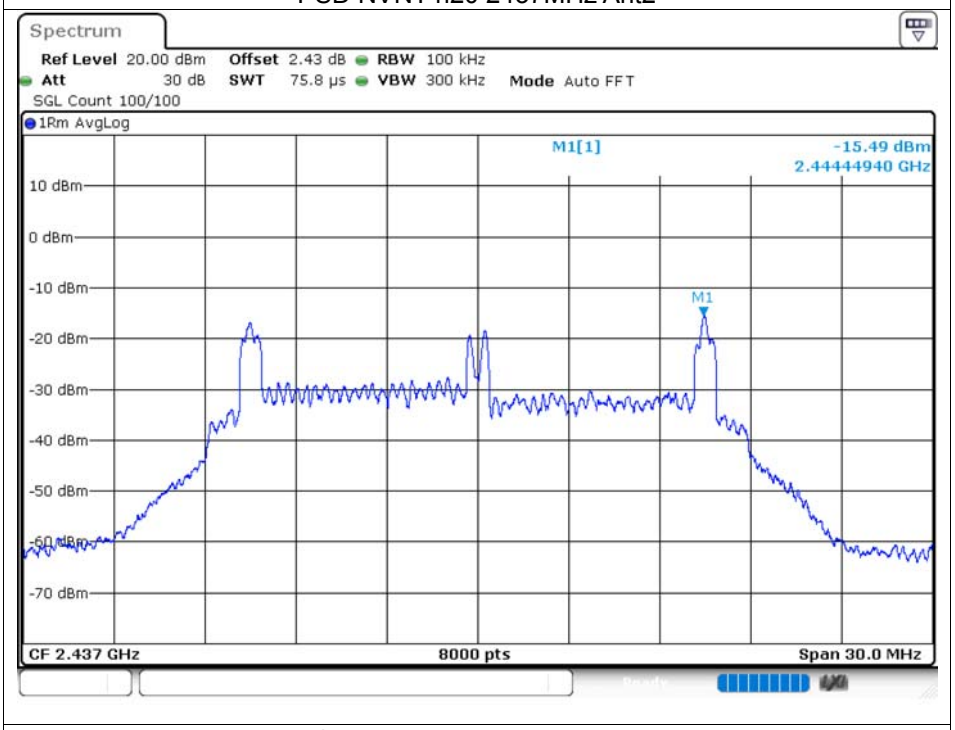


PSD NVNT n20 2437MHz Ant2



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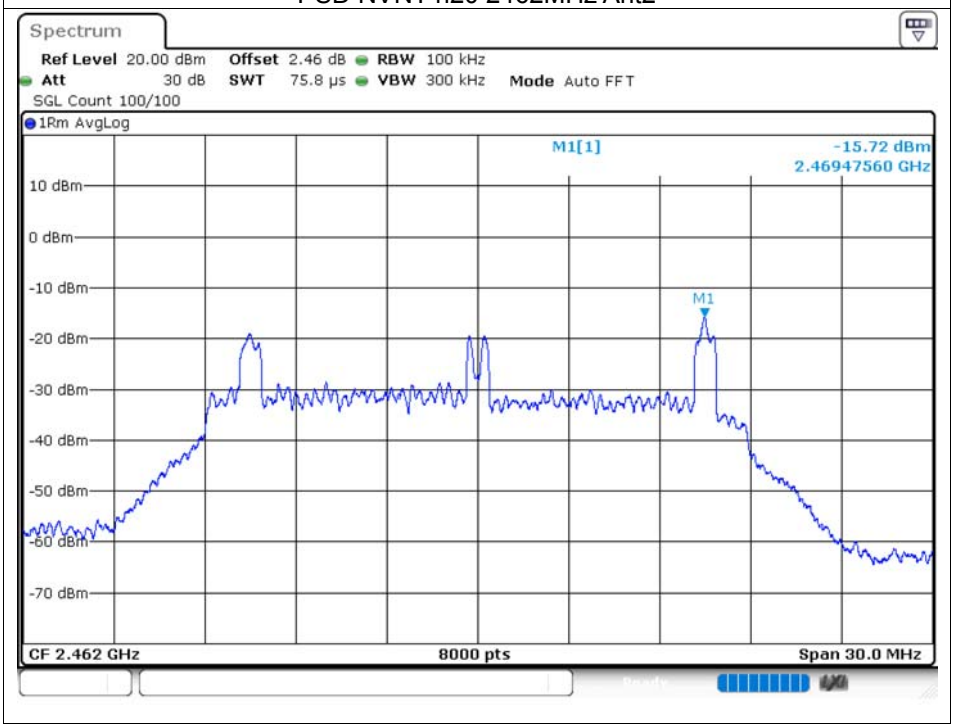
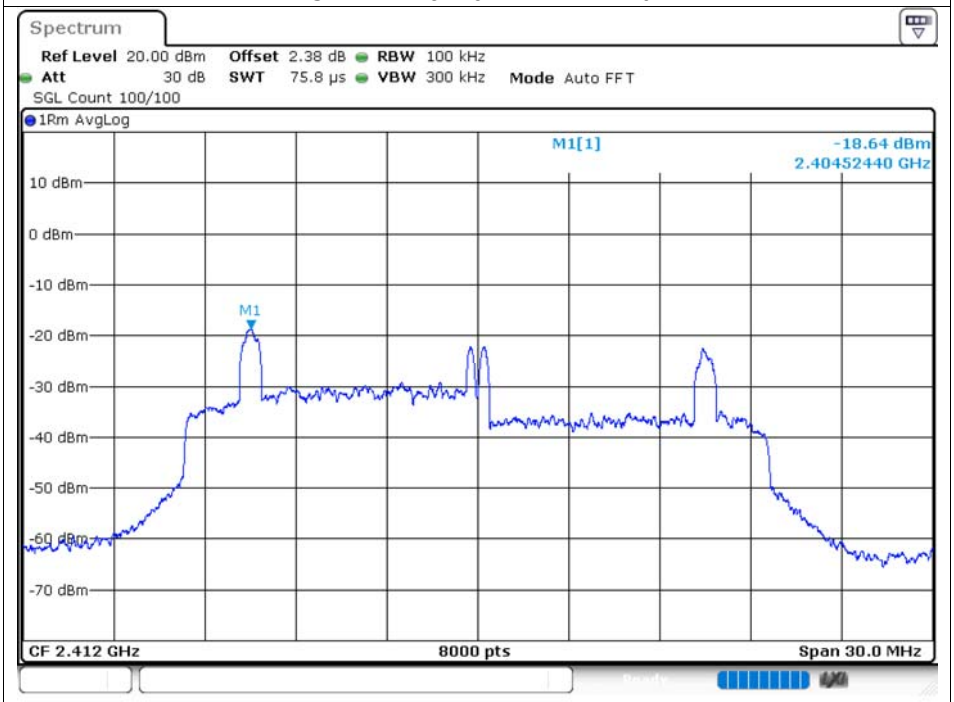
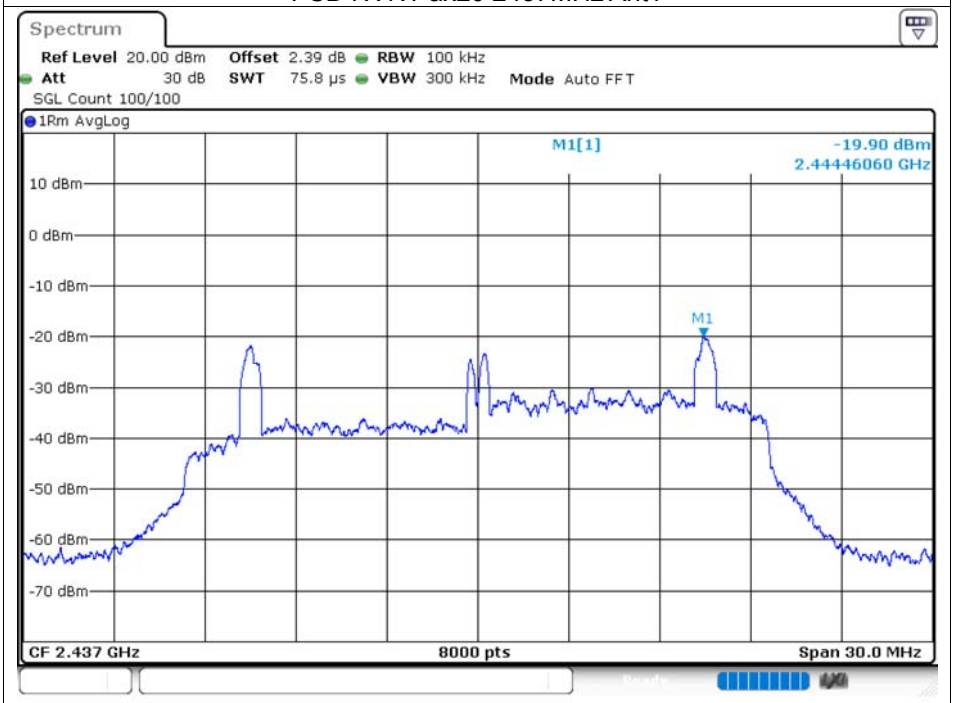


PSD NVNT ax20 2412MHz Ant1

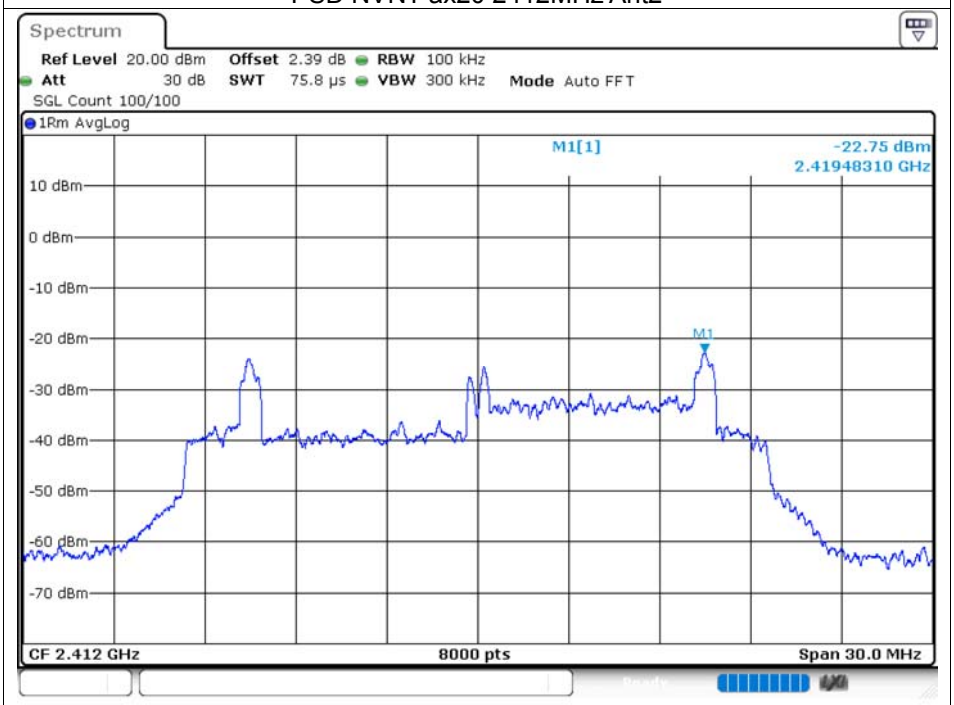


PSD NVNT ax20 2437MHz Ant1

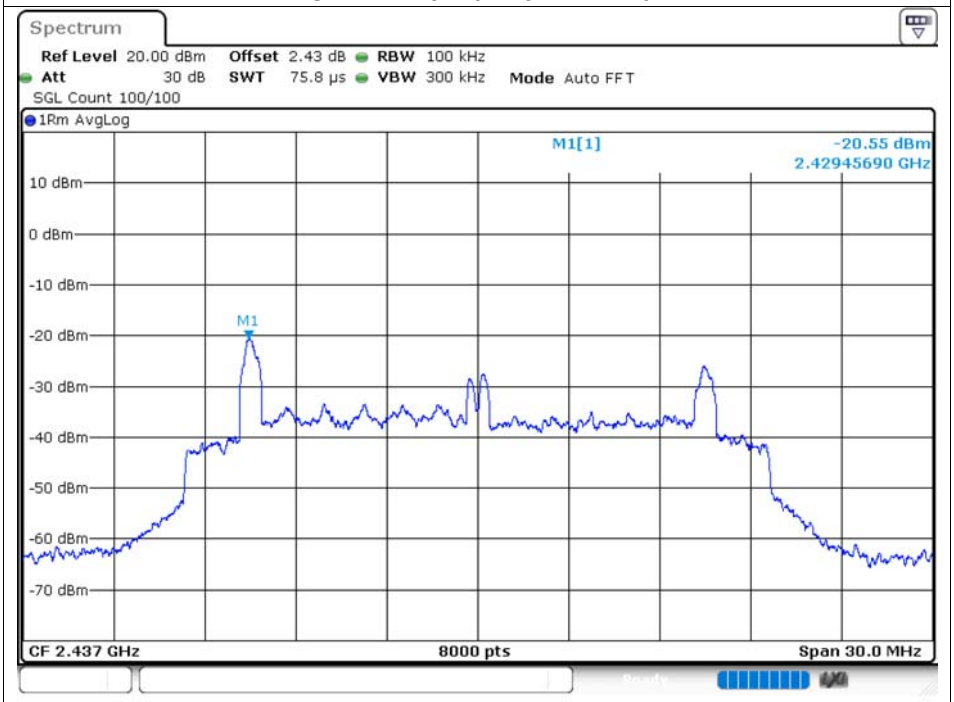


PSD NVNT ax20 2462MHz Ant1

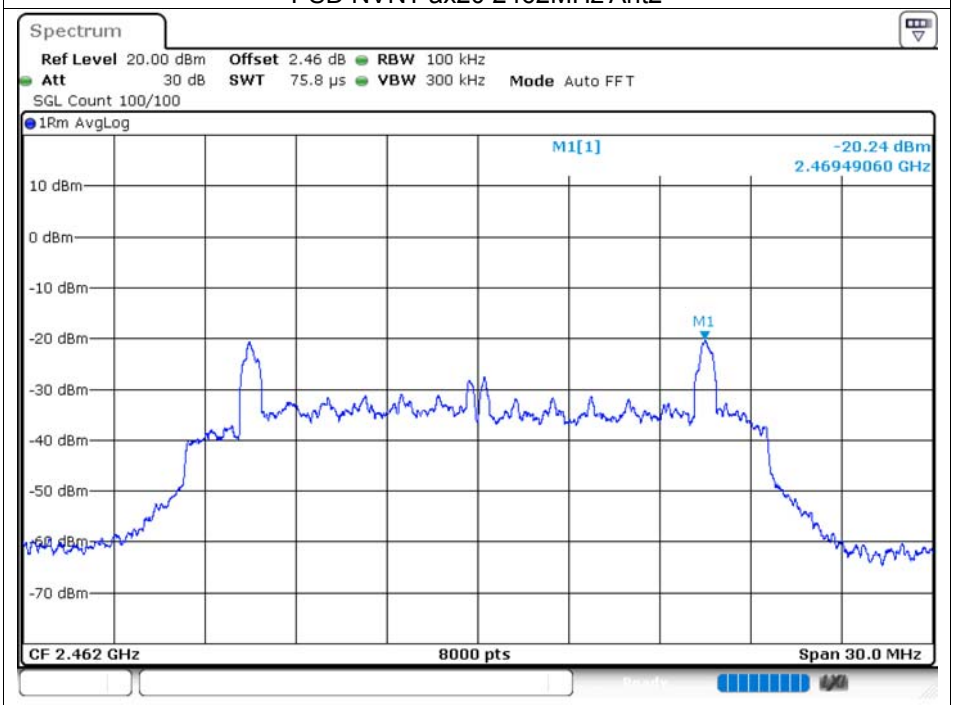
PSD NVNT ax20 2412MHz Ant2



PSD NVNT ax20 2437MHz Ant2



PSD NVNT ax20 2462MHz Ant2

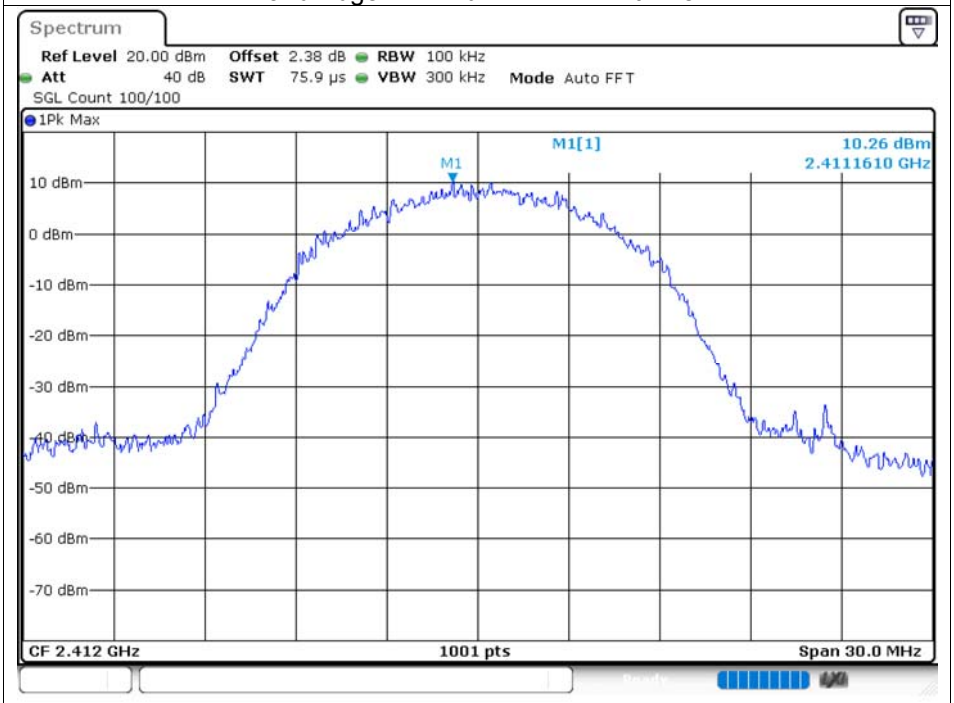


8.1.6 **Band Edge**

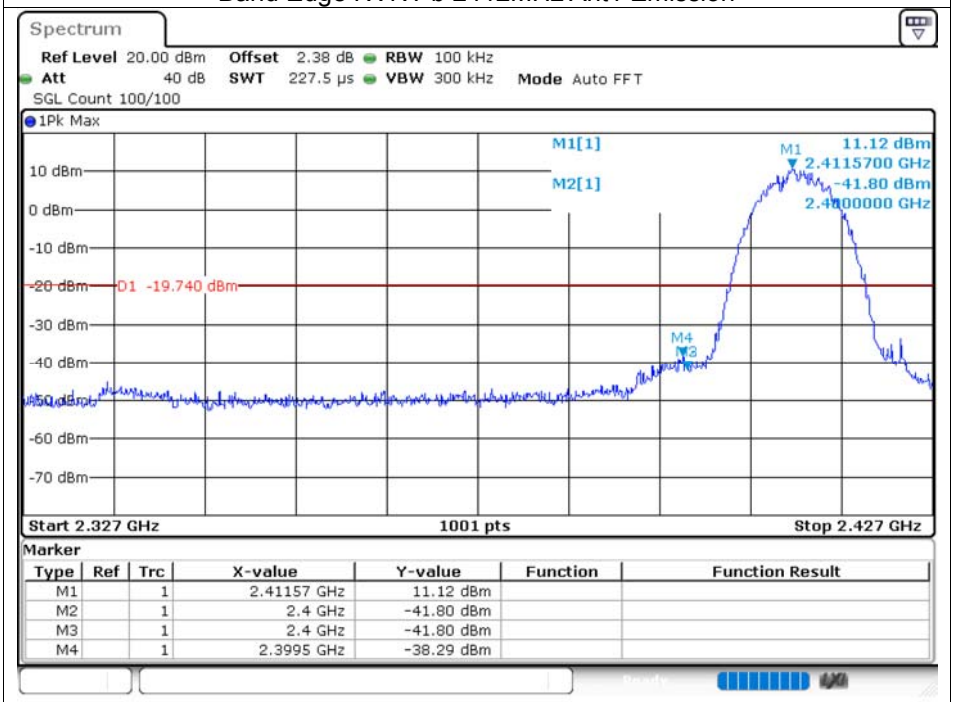
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.54	-30	Pass
NVNT	b	2462	Ant1	-54.82	-30	Pass
NVNT	b	2412	Ant2	-48.84	-30	Pass
NVNT	b	2462	Ant2	-54.31	-30	Pass
NVNT	g	2412	Ant1	-42.01	-30	Pass
NVNT	g	2462	Ant1	-49.99	-30	Pass
NVNT	g	2412	Ant2	-40.53	-30	Pass
NVNT	g	2462	Ant2	-49.1	-30	Pass
NVNT	n20	2412	Ant1	-36.99	-30	Pass
NVNT	n20	2462	Ant1	-49.15	-30	Pass
NVNT	n20	2412	Ant2	-40.02	-30	Pass
NVNT	n20	2462	Ant2	-46.96	-30	Pass
NVNT	ax20	2412	Ant1	-40.98	-30	Pass
NVNT	ax20	2462	Ant1	-47.34	-30	Pass
NVNT	ax20	2412	Ant2	-40.58	-30	Pass
NVNT	ax20	2462	Ant2	-46.99	-30	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

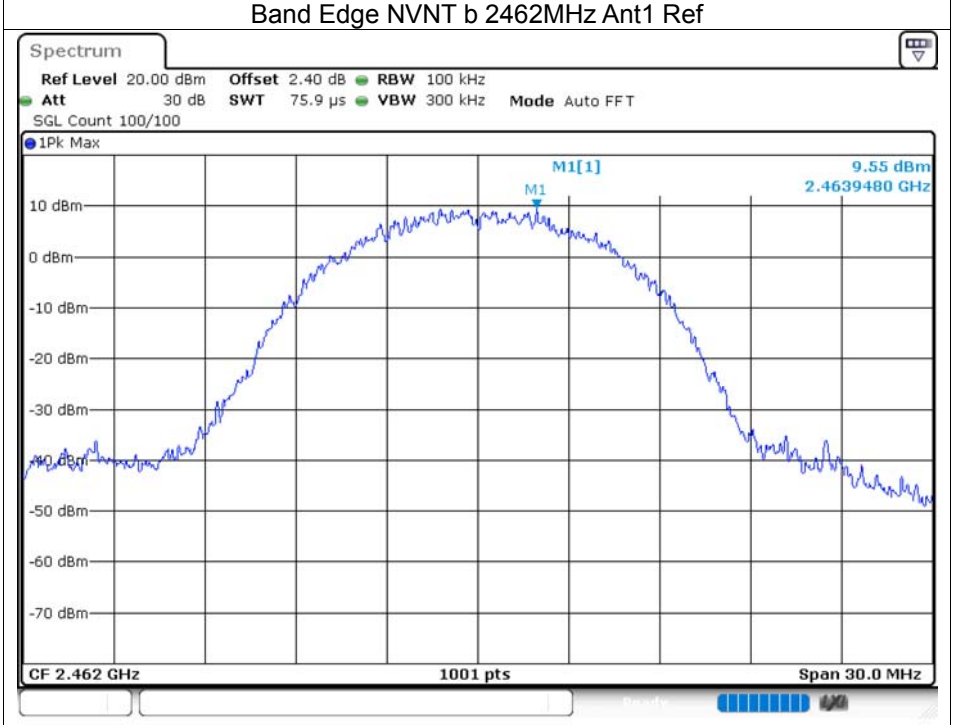


Band Edge NVNT b 2412MHz Ant1 Emission

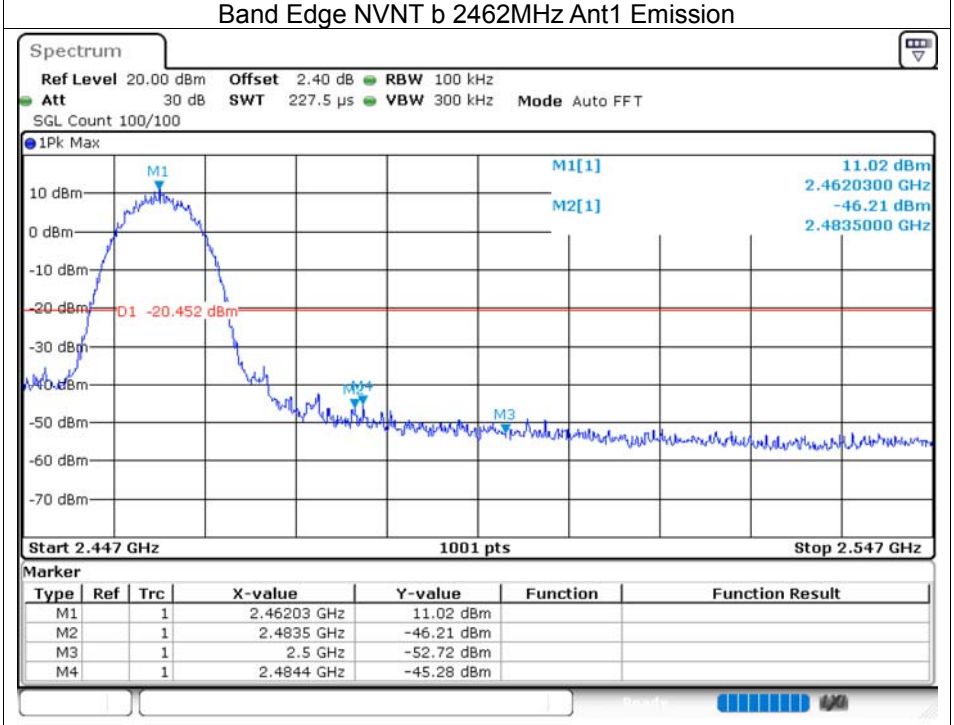


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41157 GHz	11.12 dBm		
M2		1	2.4 GHz	-41.80 dBm		
M3		1	2.4 GHz	-41.80 dBm		
M4		1	2.3995 GHz	-38.29 dBm		

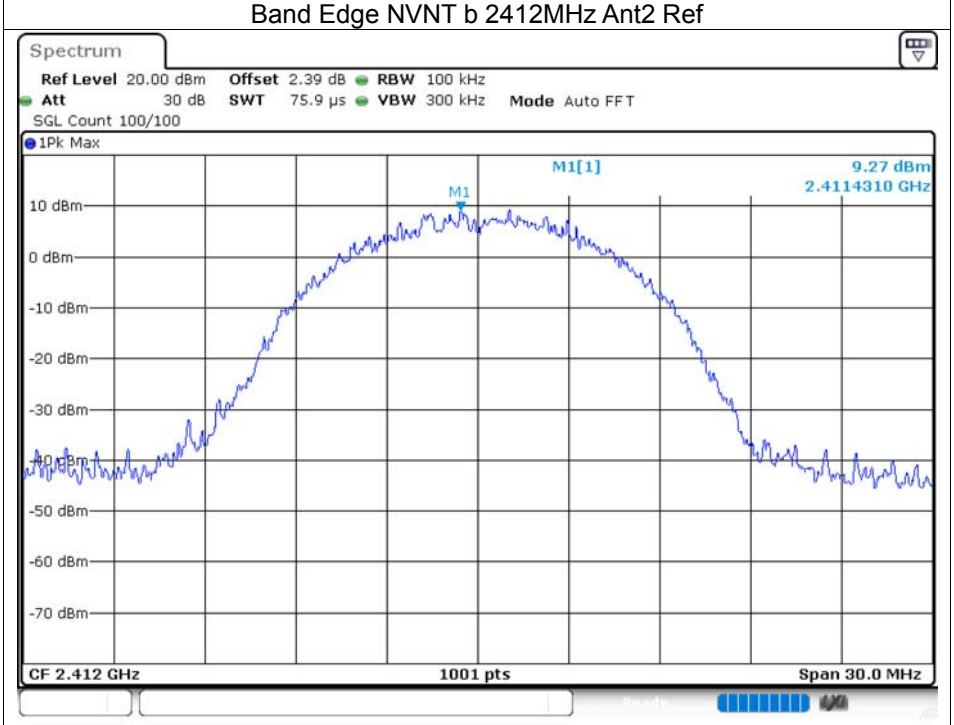
Band Edge NVNT b 2462MHz Ant1 Ref



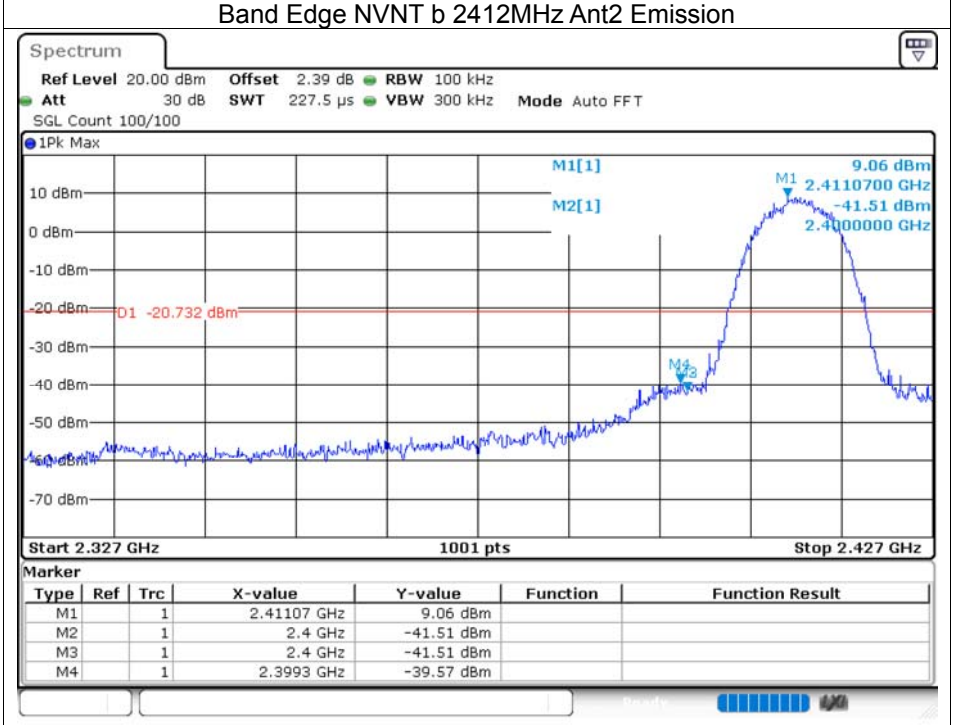
Band Edge NVNT b 2462MHz Ant1 Emission



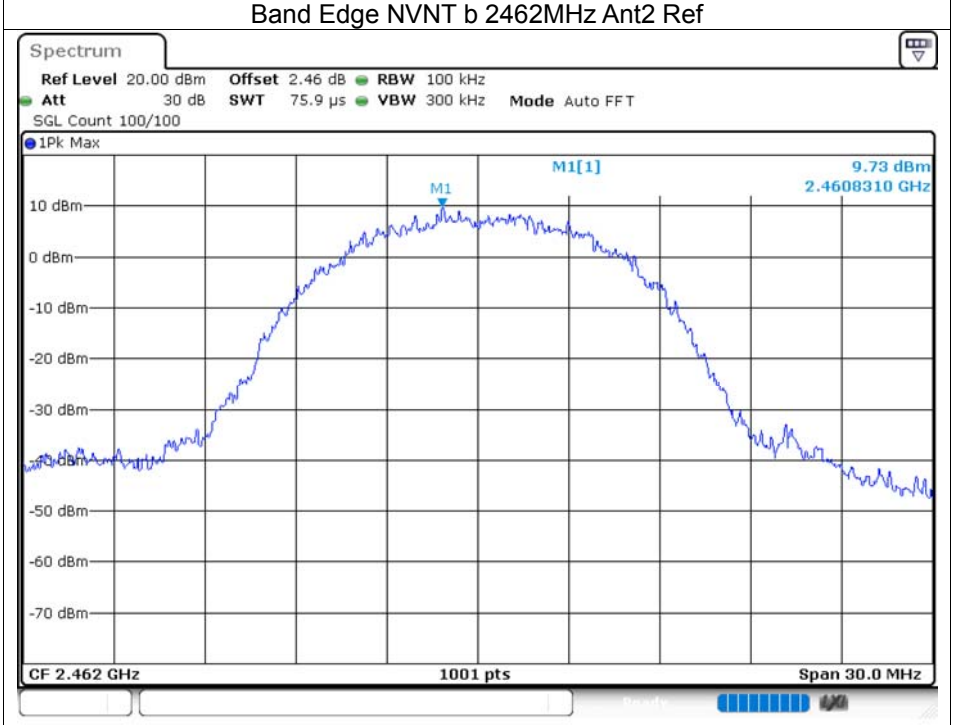
Band Edge NVNT b 2412MHz Ant2 Ref



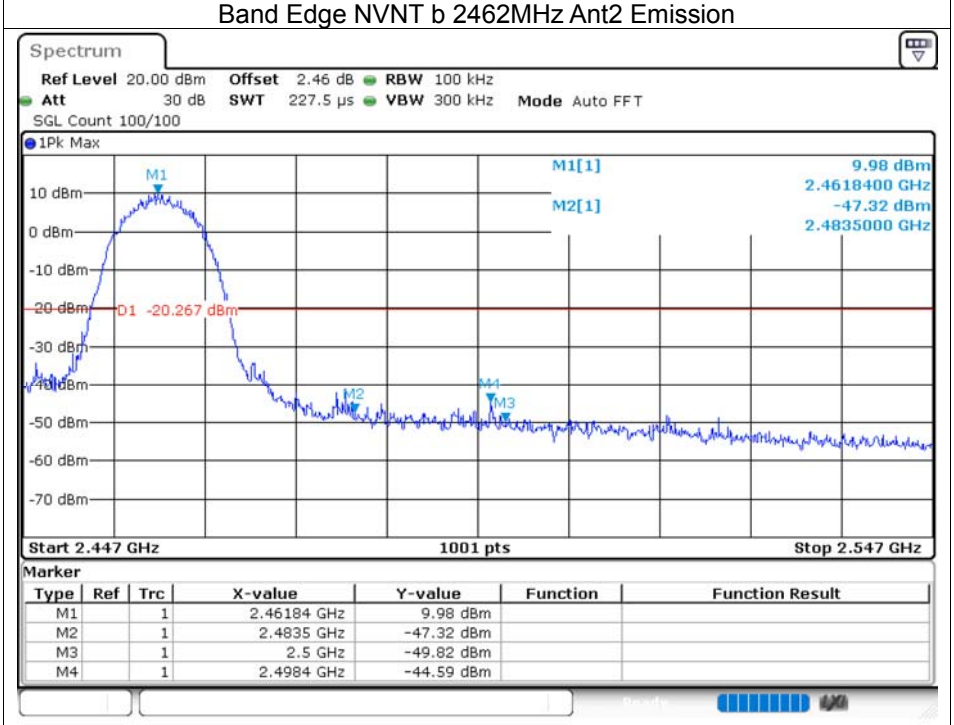
Band Edge NVNT b 2412MHz Ant2 Emission



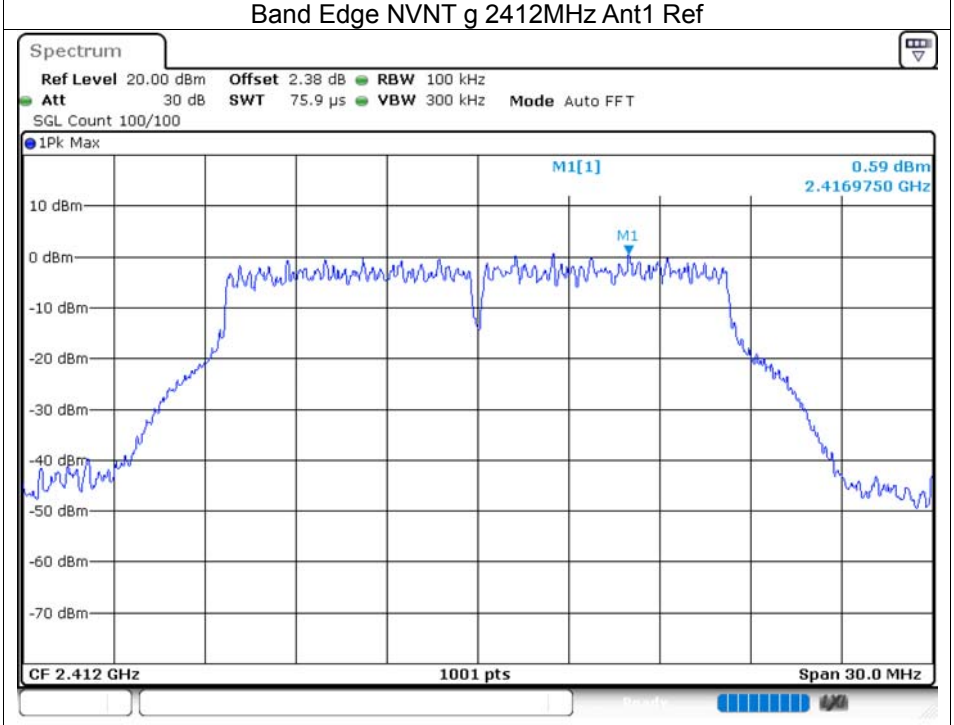
Band Edge NVNT b 2462MHz Ant2 Ref



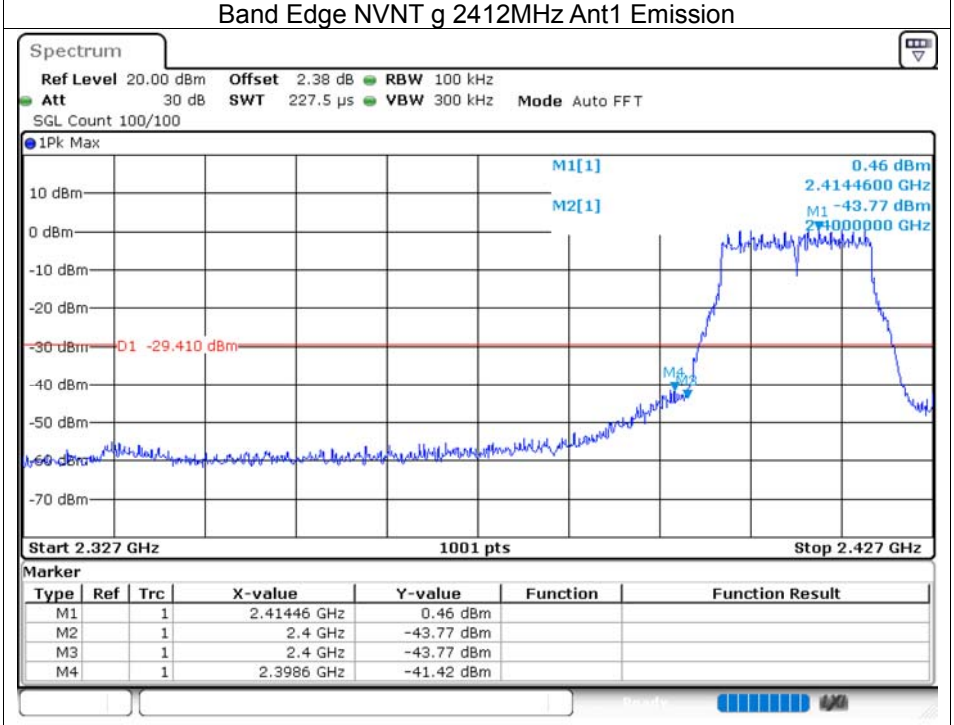
Band Edge NVNT b 2462MHz Ant2 Emission



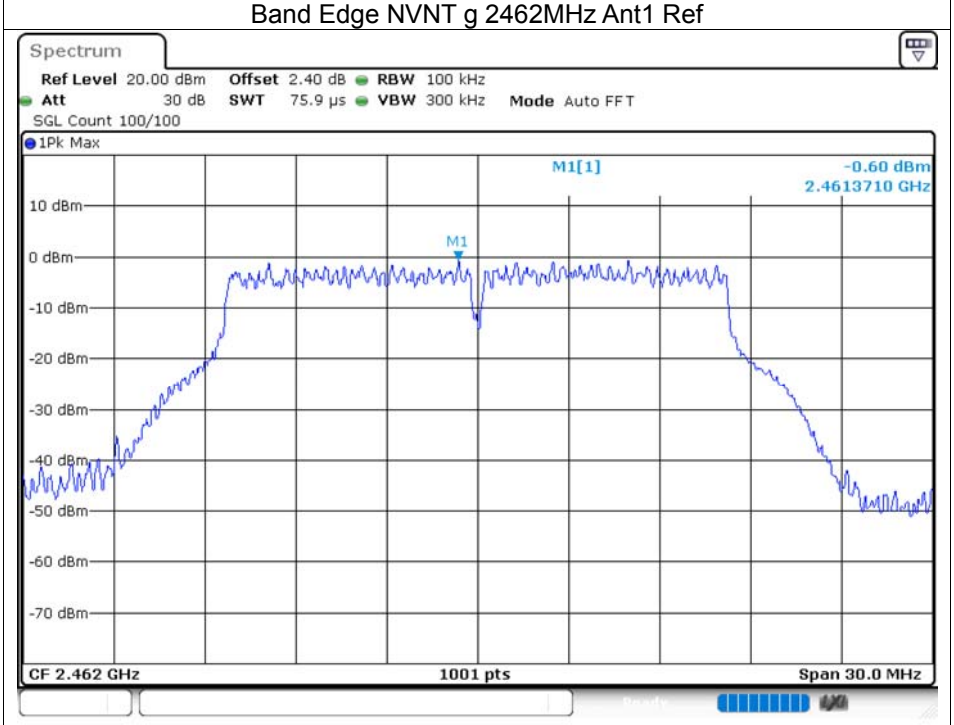
Band Edge NVNT g 2412MHz Ant1 Ref



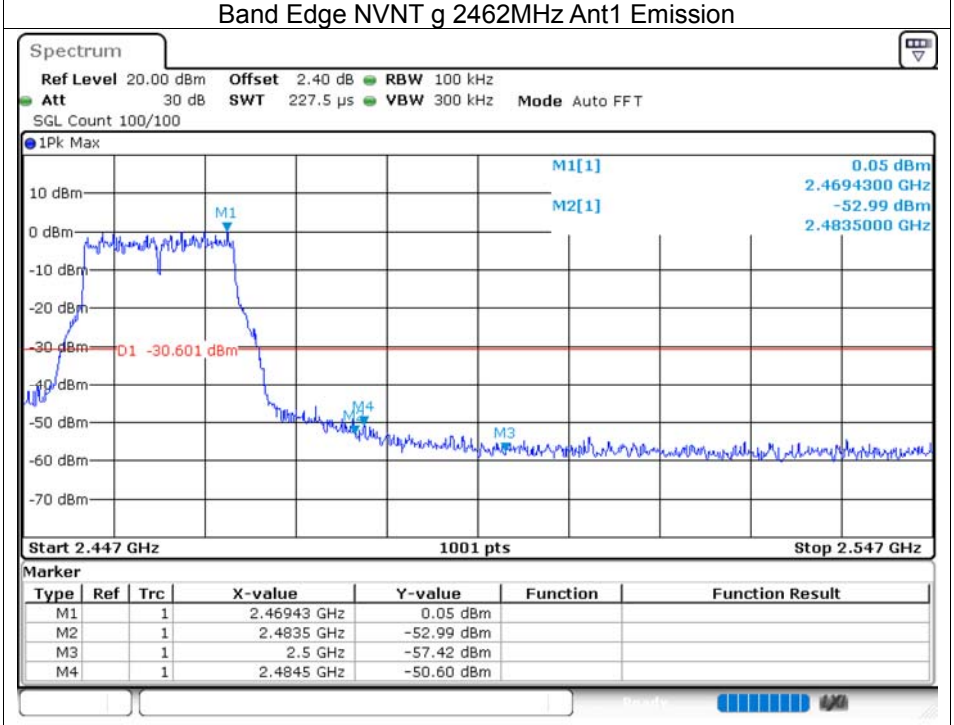
Band Edge NVNT g 2412MHz Ant1 Emission



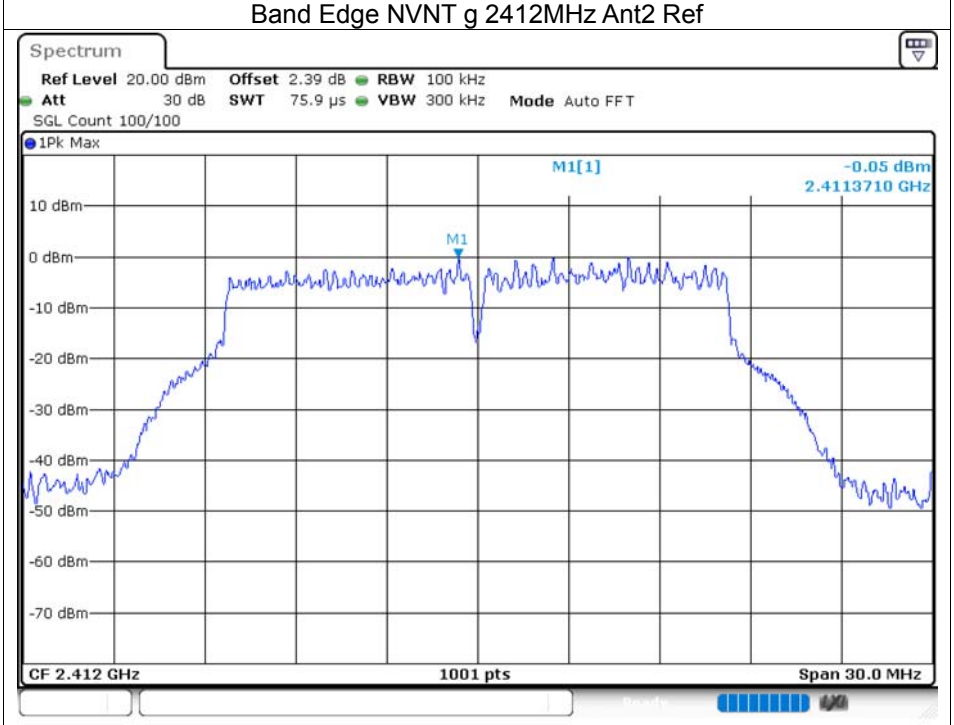
Band Edge NVNT g 2462MHz Ant1 Ref



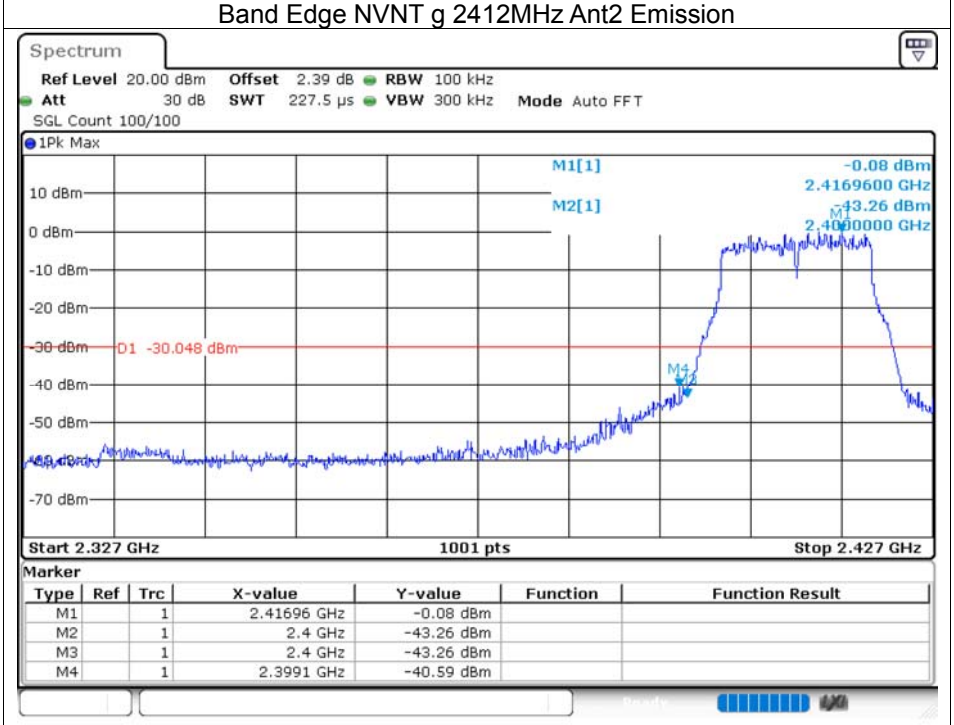
Band Edge NVNT g 2462MHz Ant1 Emission



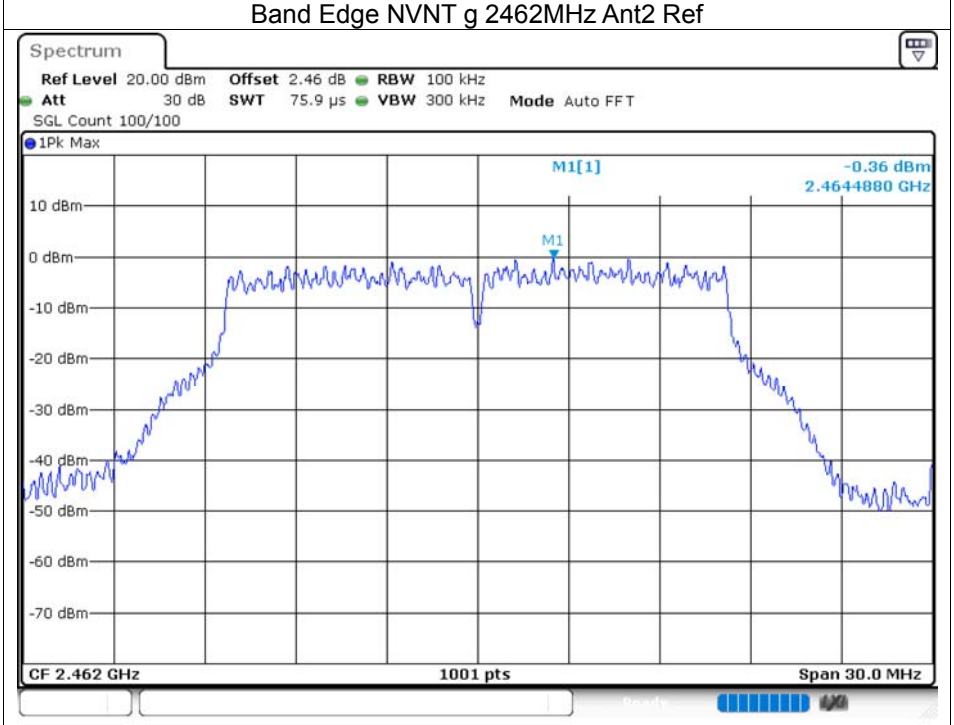
Band Edge NVNT g 2412MHz Ant2 Ref



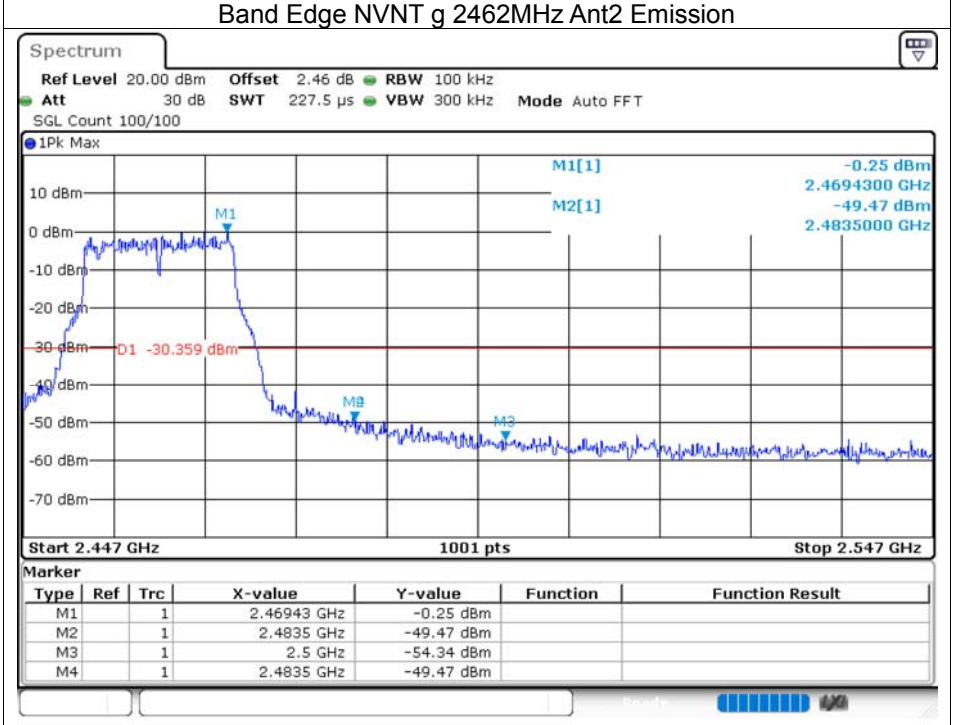
Band Edge NVNT g 2412MHz Ant2 Emission



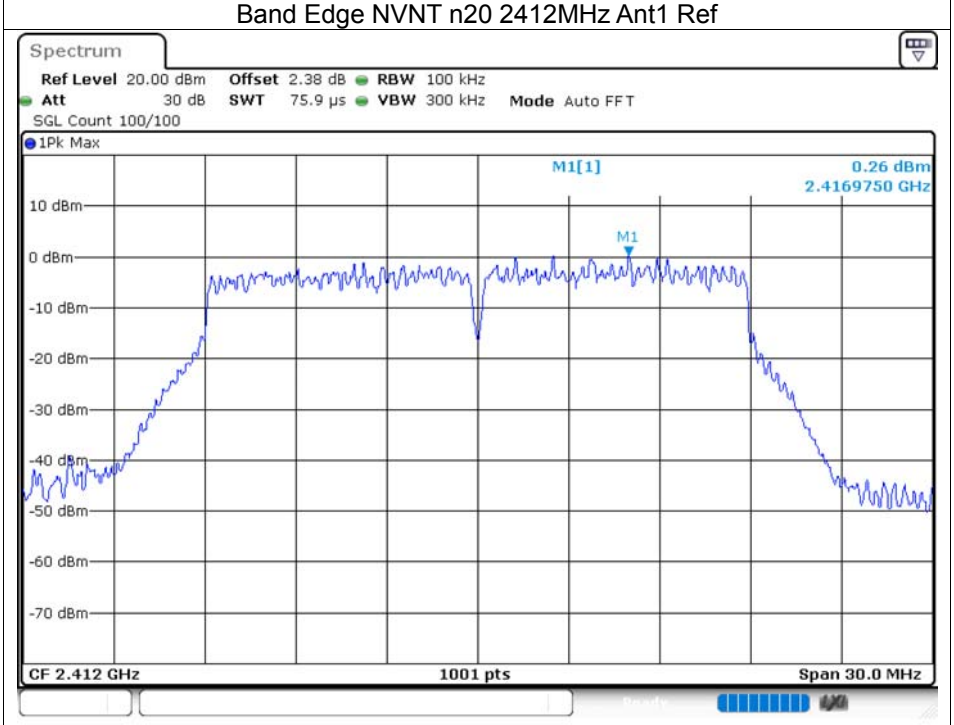
Band Edge NVNT g 2462MHz Ant2 Ref



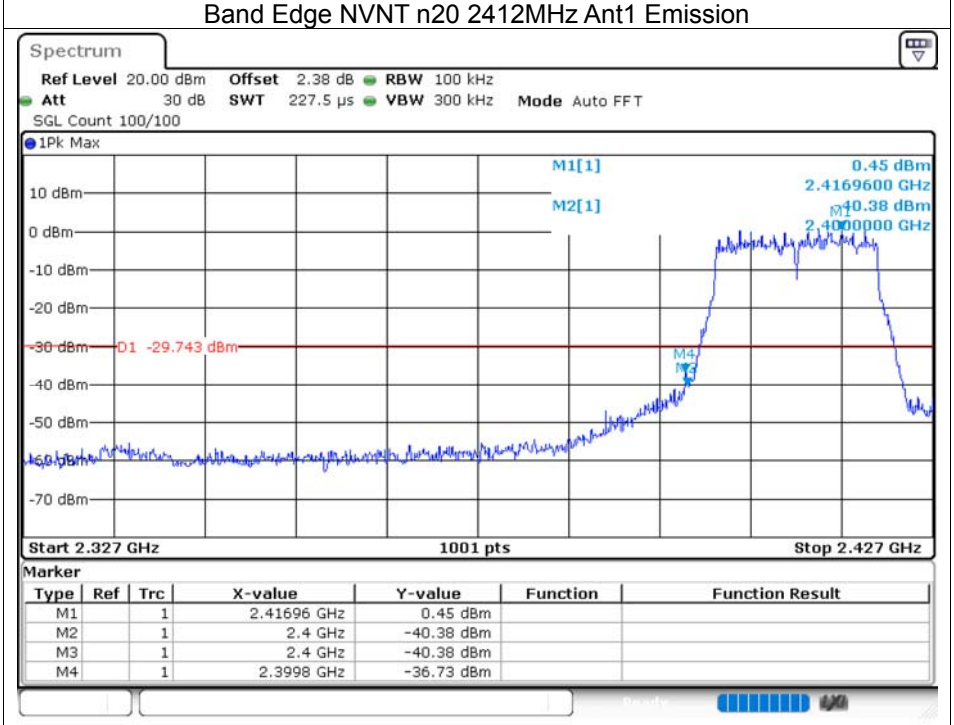
Band Edge NVNT g 2462MHz Ant2 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



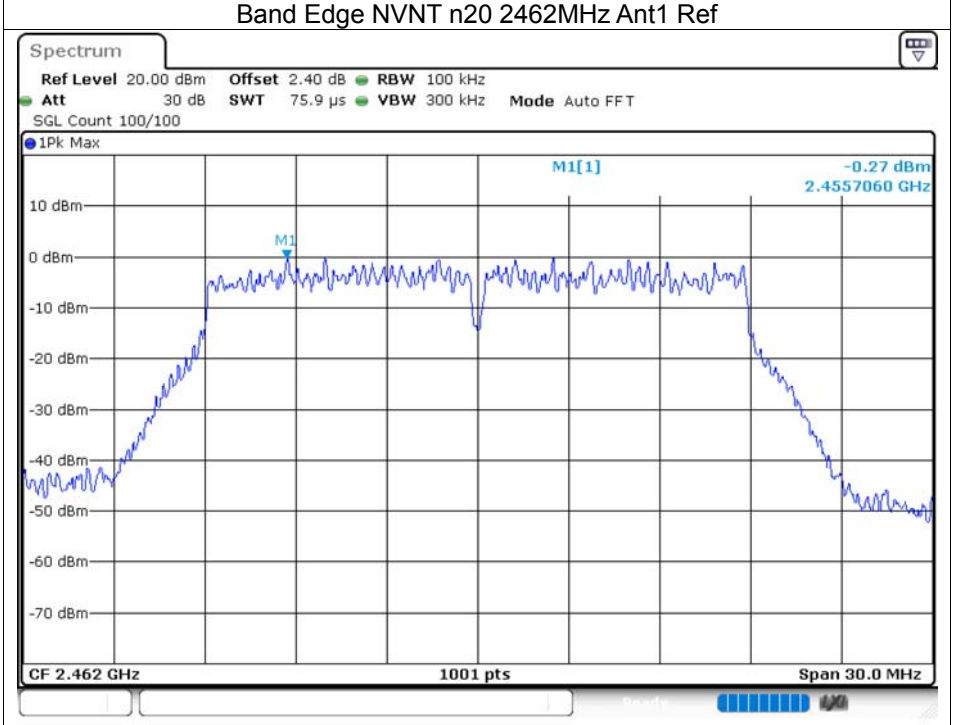
Band Edge NVNT n20 2412MHz Ant1 Emission



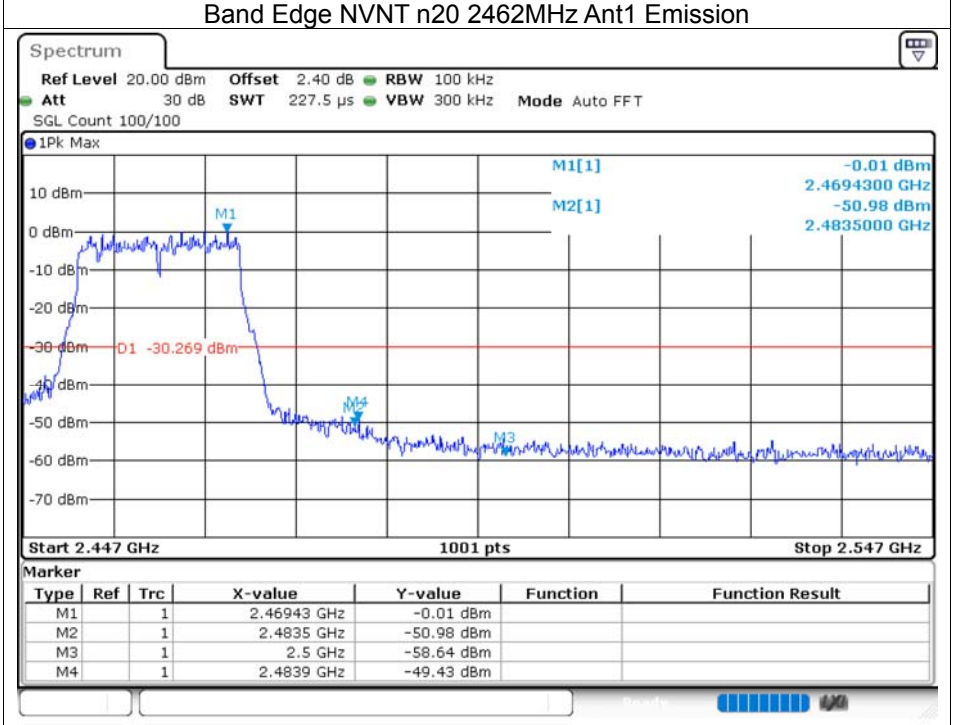
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41696 GHz	0.45 dBm		
M2		1	2.4 GHz	-40.38 dBm		
M3		1	2.4 GHz	-40.38 dBm		
M4		1	2.3998 GHz	-36.73 dBm		

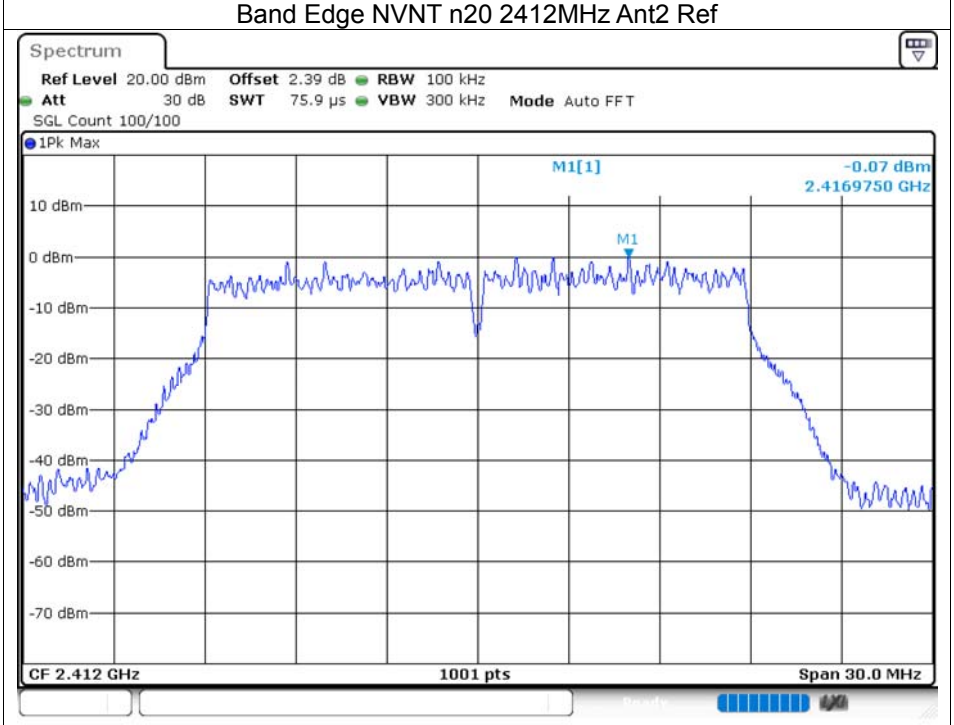
Band Edge NVNT n20 2462MHz Ant1 Ref



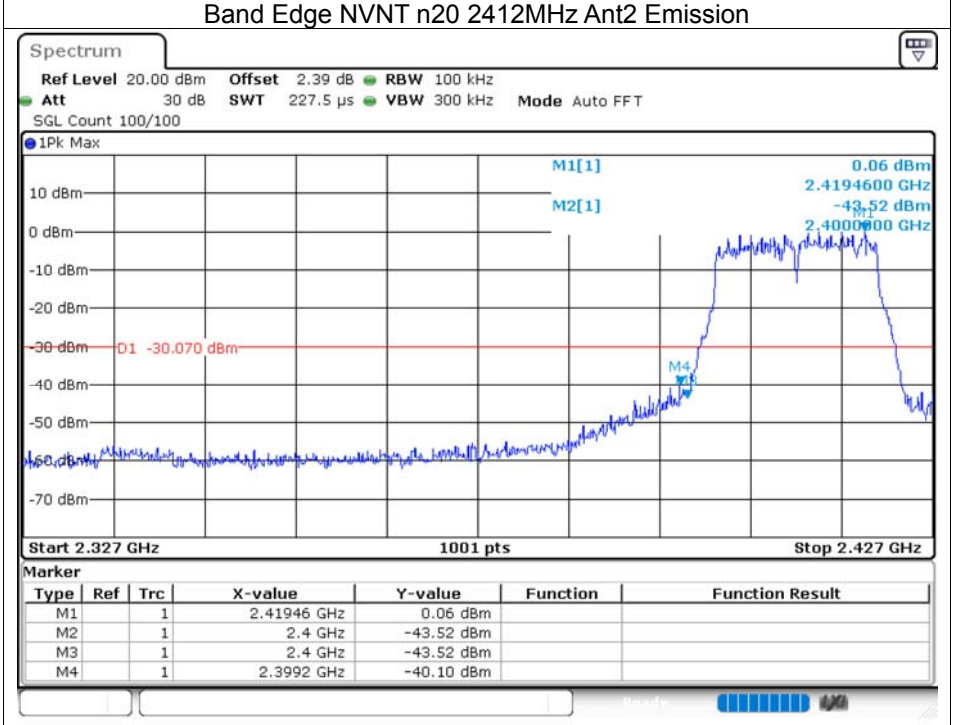
Band Edge NVNT n20 2462MHz Ant1 Emission



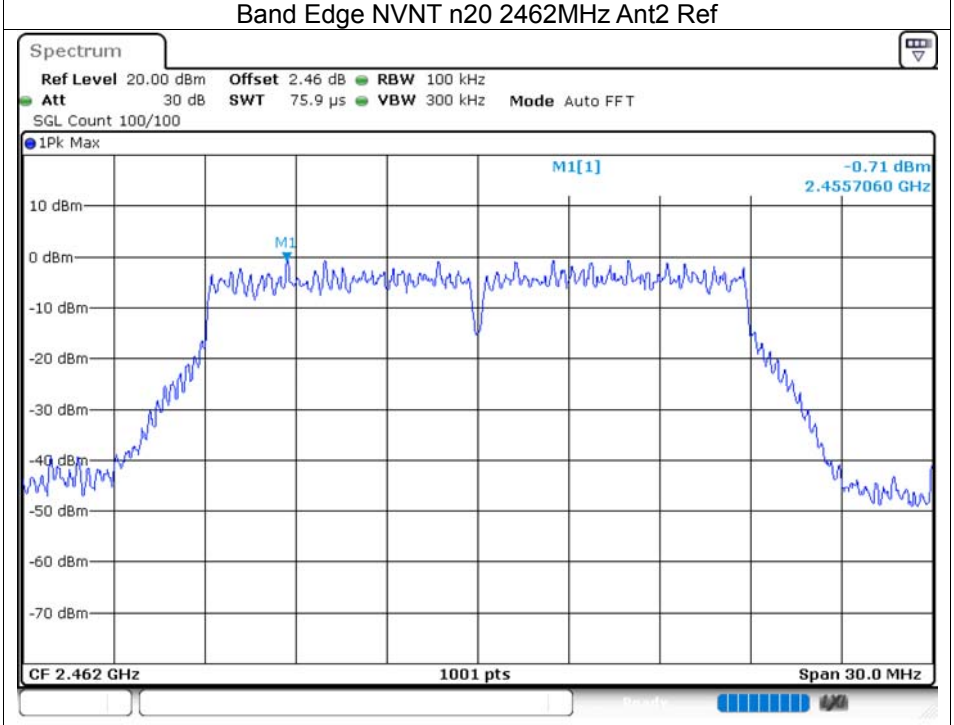
Band Edge NVNT n20 2412MHz Ant2 Ref



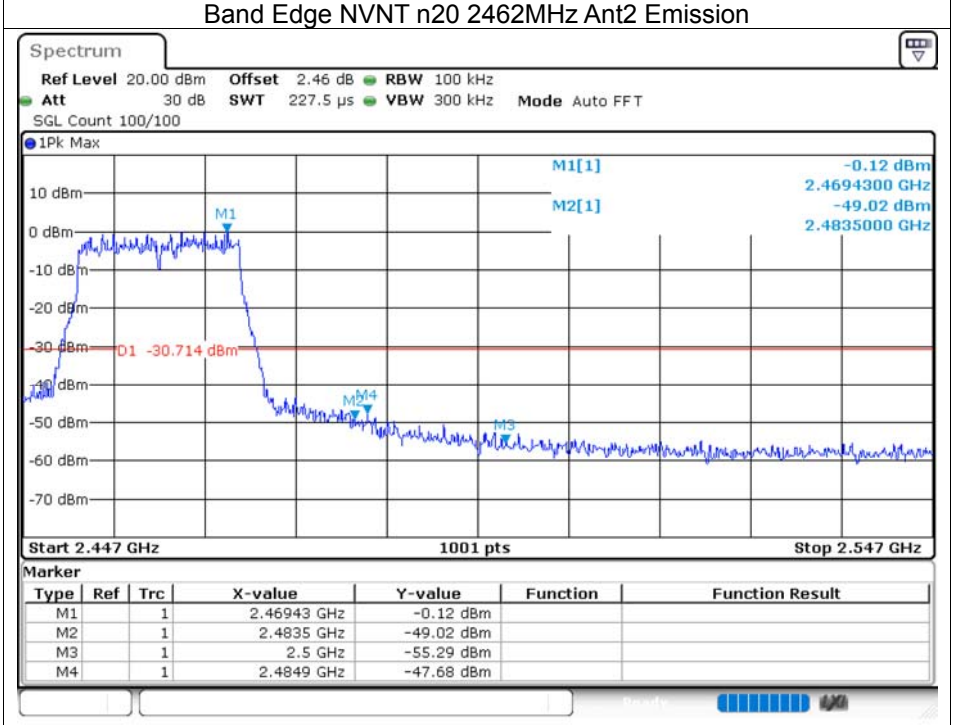
Band Edge NVNT n20 2412MHz Ant2 Emission



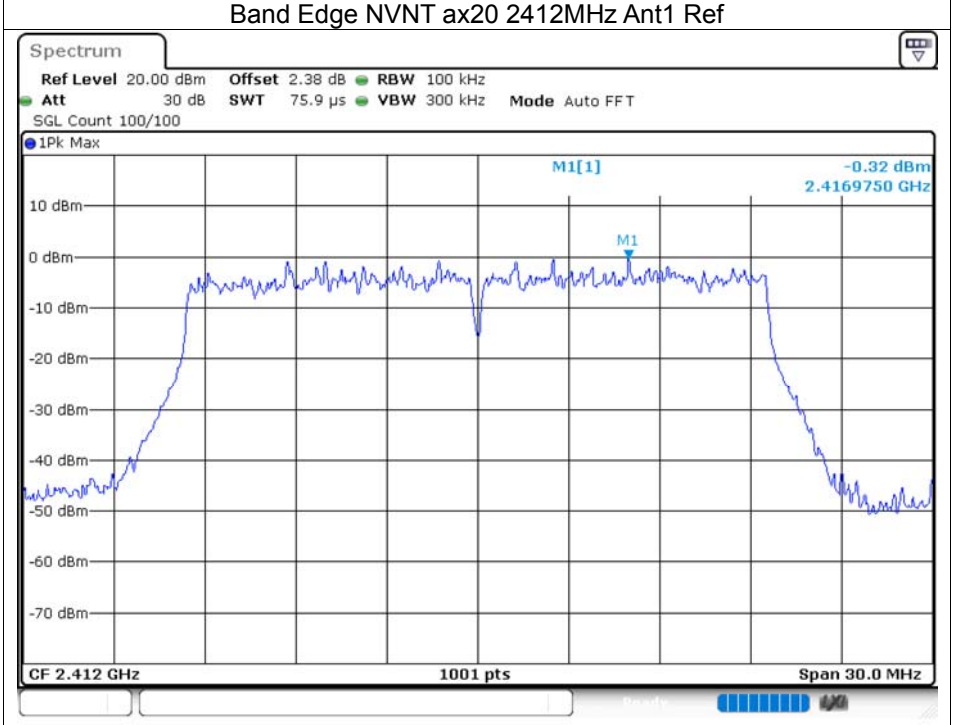
Band Edge NVNT n20 2462MHz Ant2 Ref



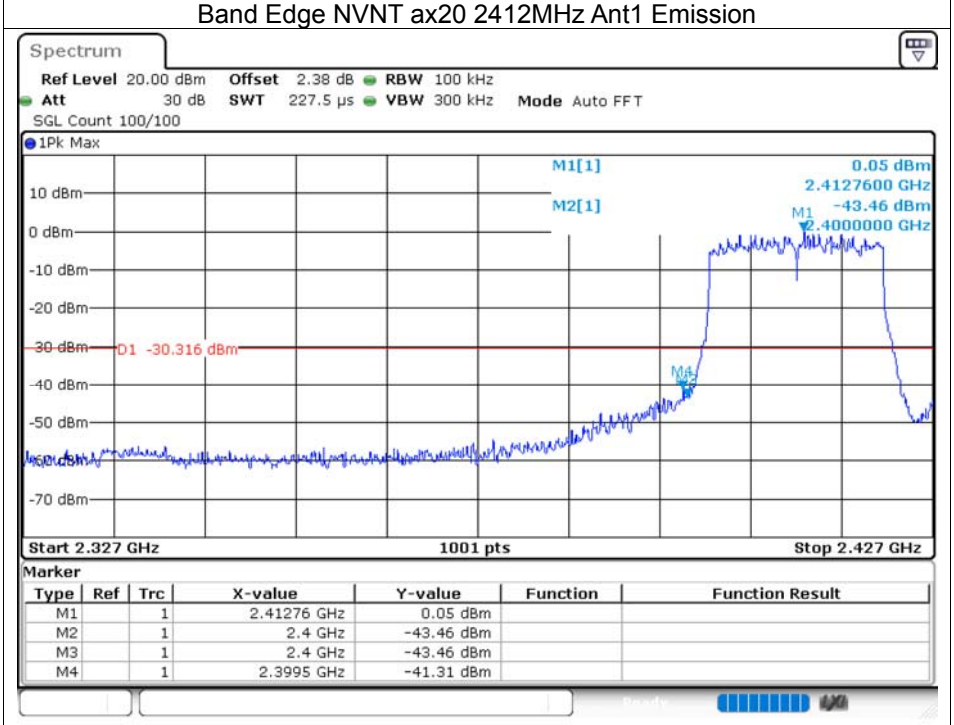
Band Edge NVNT n20 2462MHz Ant2 Emission



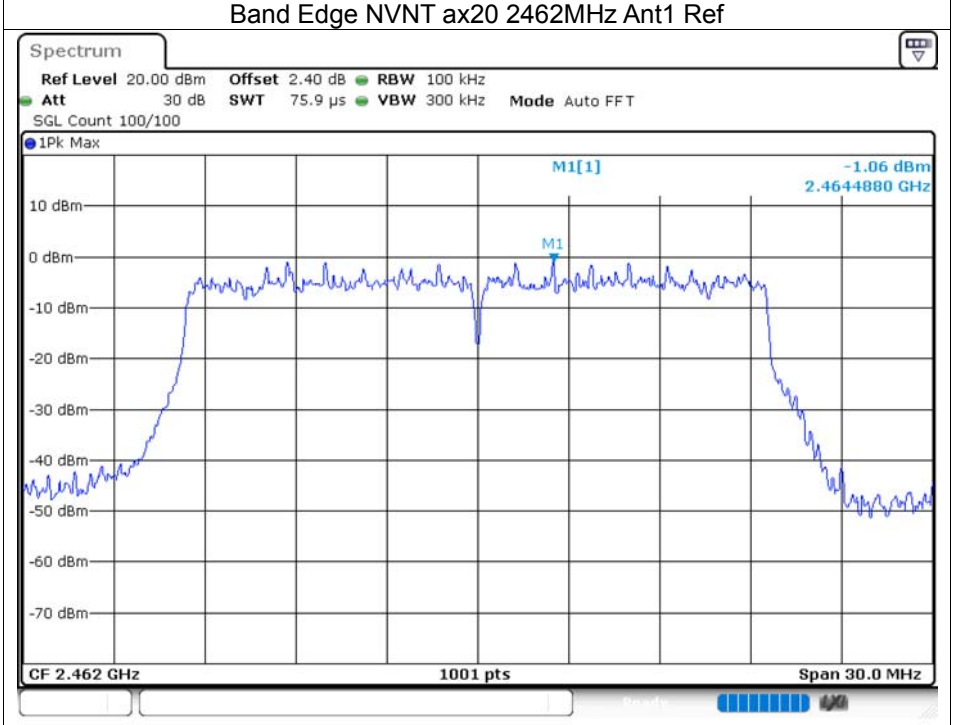
Band Edge NVNT ax20 2412MHz Ant1 Ref



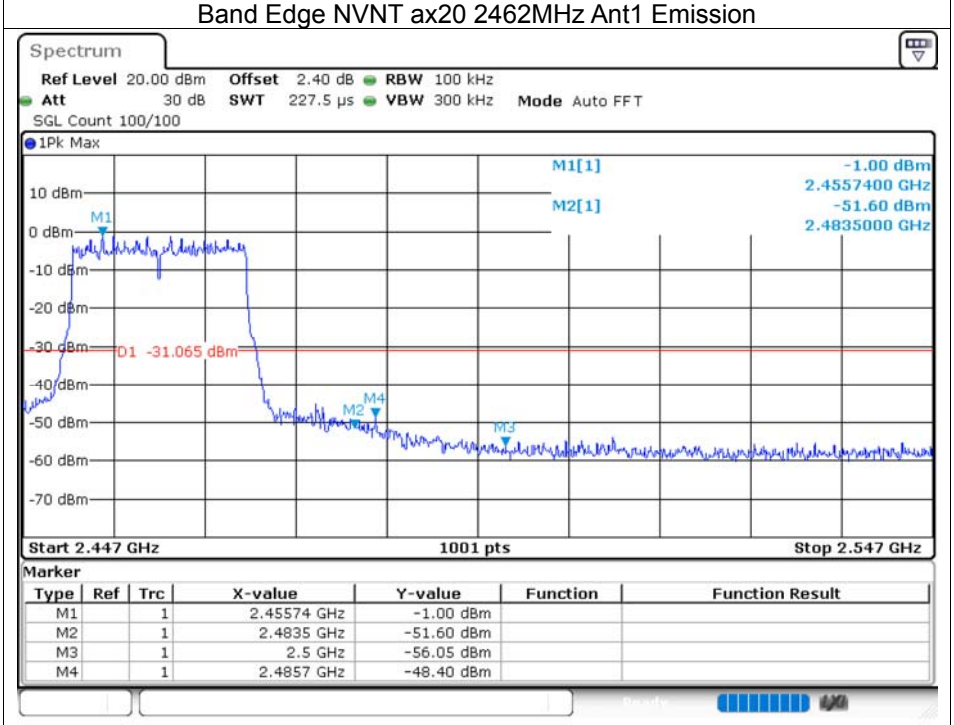
Band Edge NVNT ax20 2412MHz Ant1 Emission



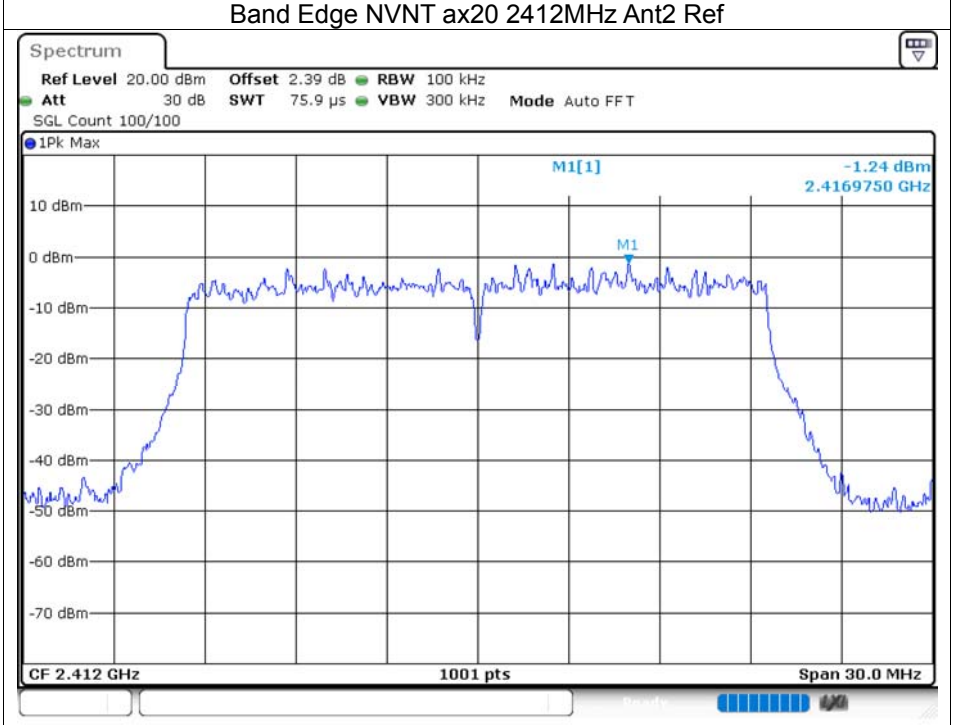
Band Edge NVNT ax20 2462MHz Ant1 Ref



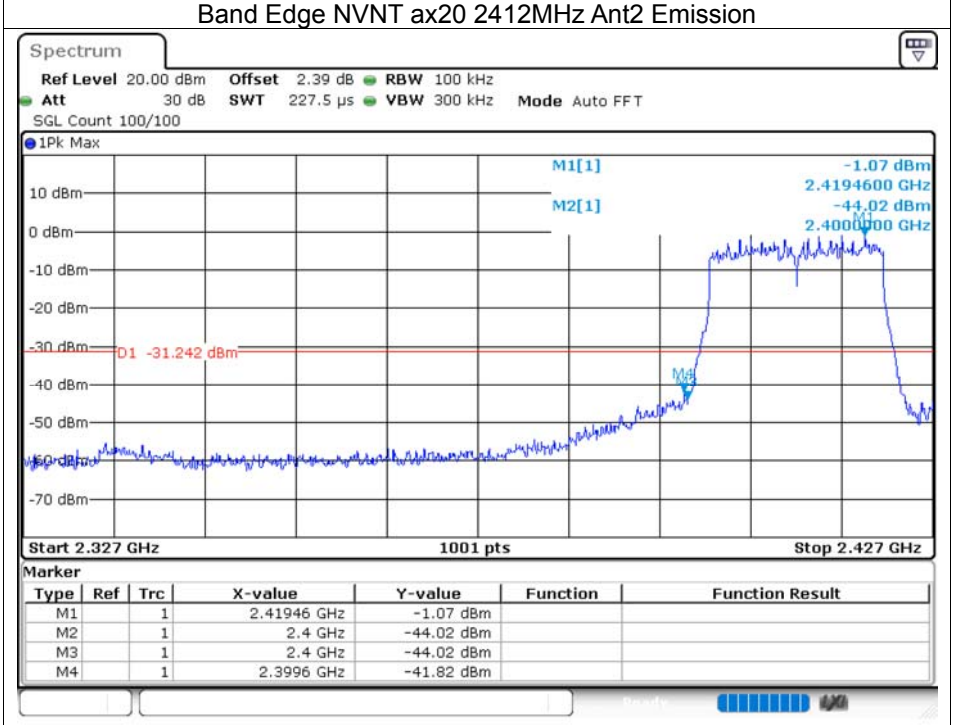
Band Edge NVNT ax20 2462MHz Ant1 Emission



Band Edge NVNT ax20 2412MHz Ant2 Ref



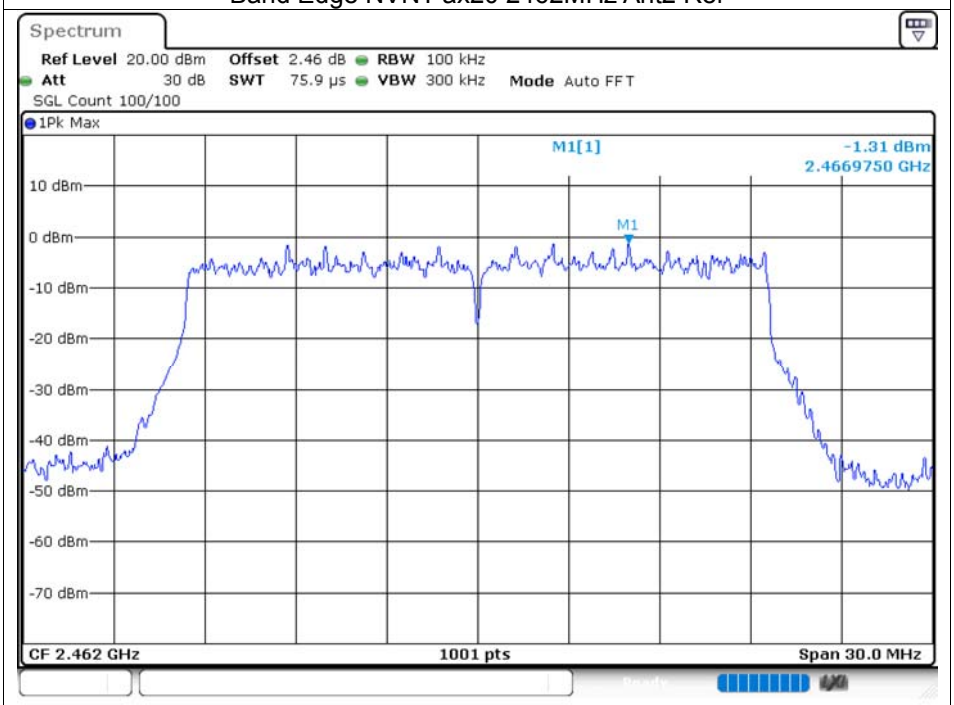
Band Edge NVNT ax20 2412MHz Ant2 Emission



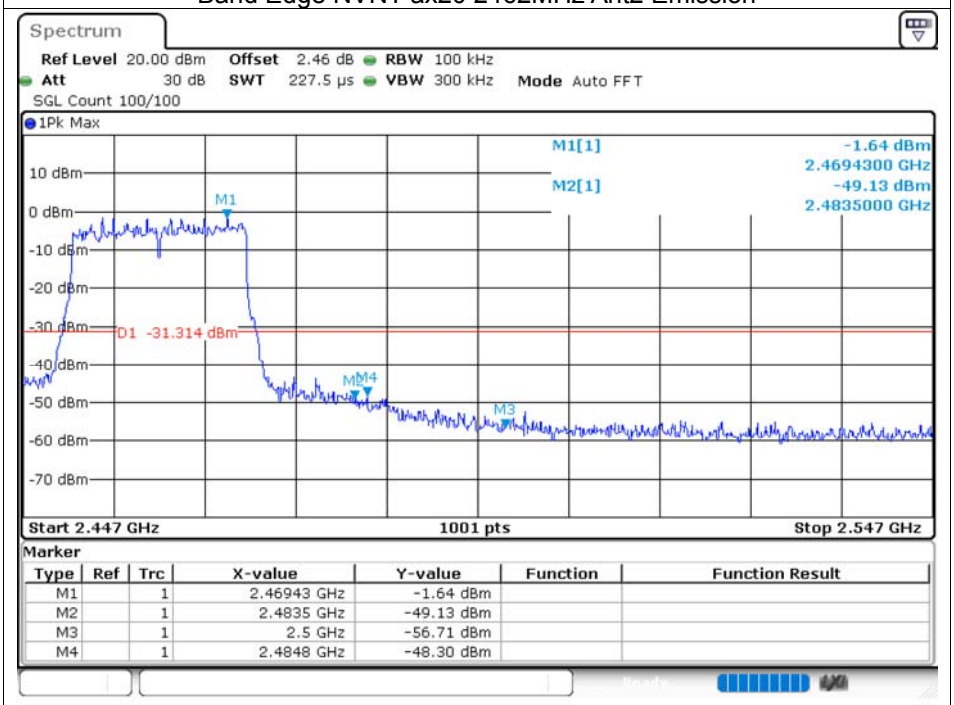
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41946 GHz	-1.07 dBm		
M2		1	2.4 GHz	-44.02 dBm		
M3		1	2.4 GHz	-44.02 dBm		
M4		1	2.3996 GHz	-41.82 dBm		

Band Edge NVNT ax20 2462MHz Ant2 Ref



Band Edge NVNT ax20 2462MHz Ant2 Emission

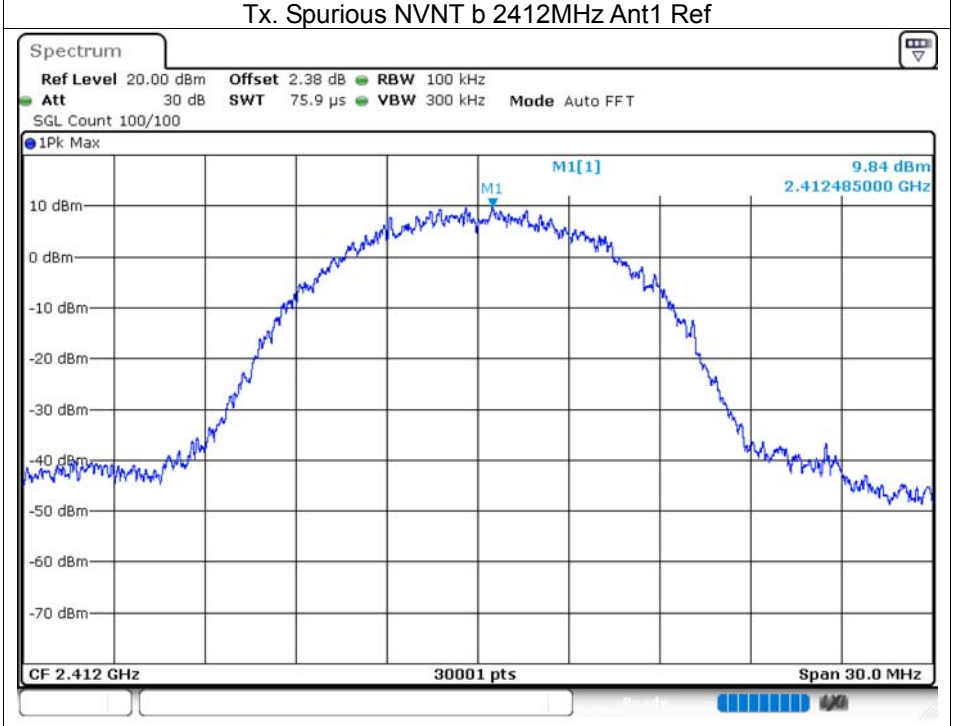


8.1.7 Conducted RF Spurious Emission

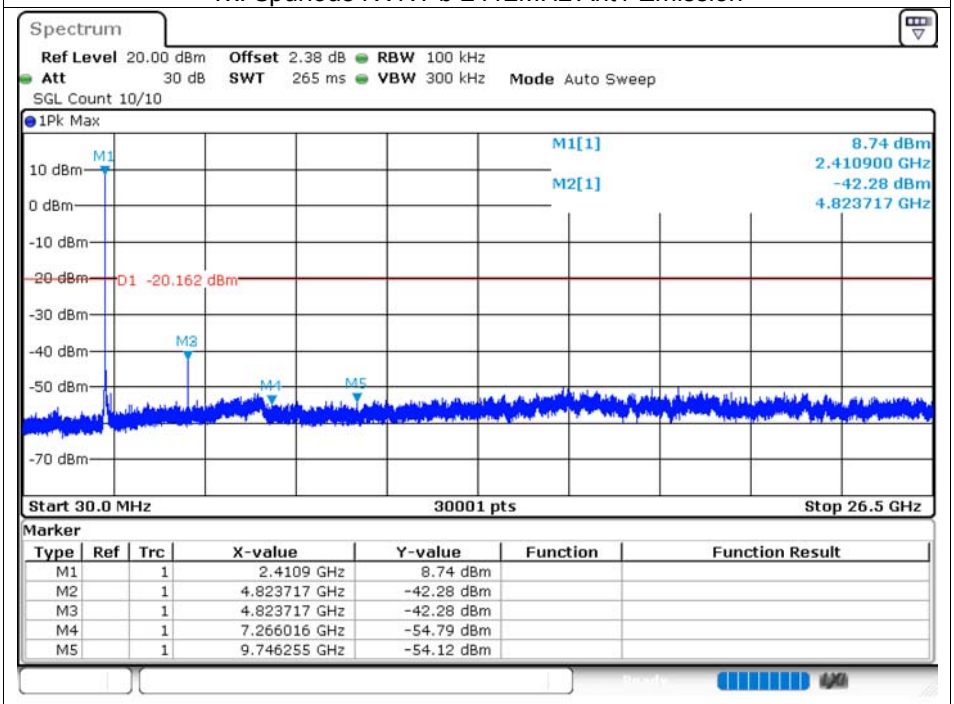
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.11	-30	Pass
NVNT	b	2437	Ant1	-57.05	-30	Pass
NVNT	b	2462	Ant1	-58.08	-30	Pass
NVNT	b	2412	Ant2	-57.82	-30	Pass
NVNT	b	2437	Ant2	-59.84	-30	Pass
NVNT	b	2462	Ant2	-58.86	-30	Pass
NVNT	g	2412	Ant1	-50.54	-30	Pass
NVNT	g	2437	Ant1	-51.14	-30	Pass
NVNT	g	2462	Ant1	-50.21	-30	Pass
NVNT	g	2412	Ant2	-49.85	-30	Pass
NVNT	g	2437	Ant2	-50.08	-30	Pass
NVNT	g	2462	Ant2	-50.37	-30	Pass
NVNT	n20	2412	Ant1	-50.79	-30	Pass
NVNT	n20	2437	Ant1	-50.92	-30	Pass
NVNT	n20	2462	Ant1	-50.08	-30	Pass
NVNT	n20	2412	Ant2	-50.15	-30	Pass
NVNT	n20	2437	Ant2	-49.03	-30	Pass
NVNT	n20	2462	Ant2	-49.29	-30	Pass
NVNT	ax20	2412	Ant1	-50.64	-30	Pass
NVNT	ax20	2437	Ant1	-50.44	-30	Pass
NVNT	ax20	2462	Ant1	-49.06	-30	Pass
NVNT	ax20	2412	Ant2	-49.42	-30	Pass
NVNT	ax20	2437	Ant2	-49.03	-30	Pass
NVNT	ax20	2462	Ant2	-48.8	-30	Pass

Test Graphs

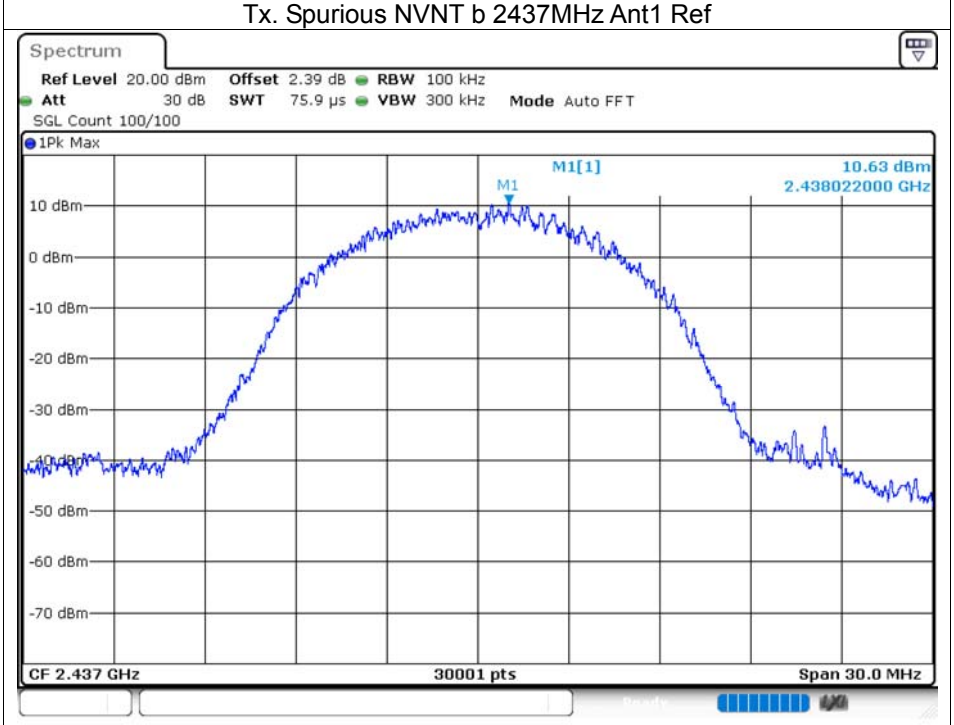
Tx. Spurious NVNT b 2412MHz Ant1 Ref



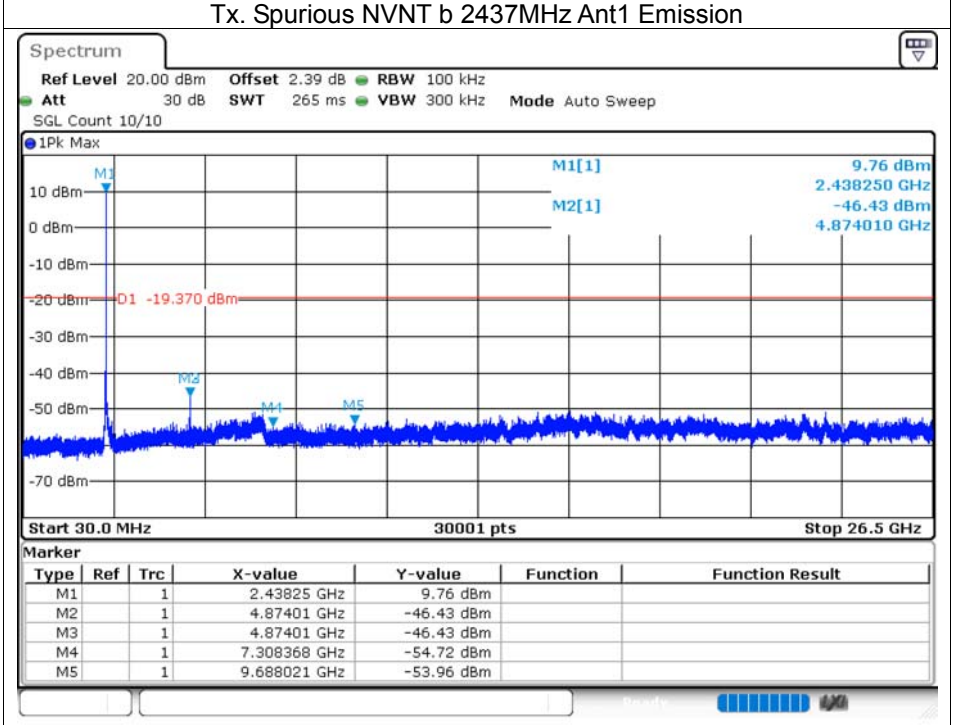
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



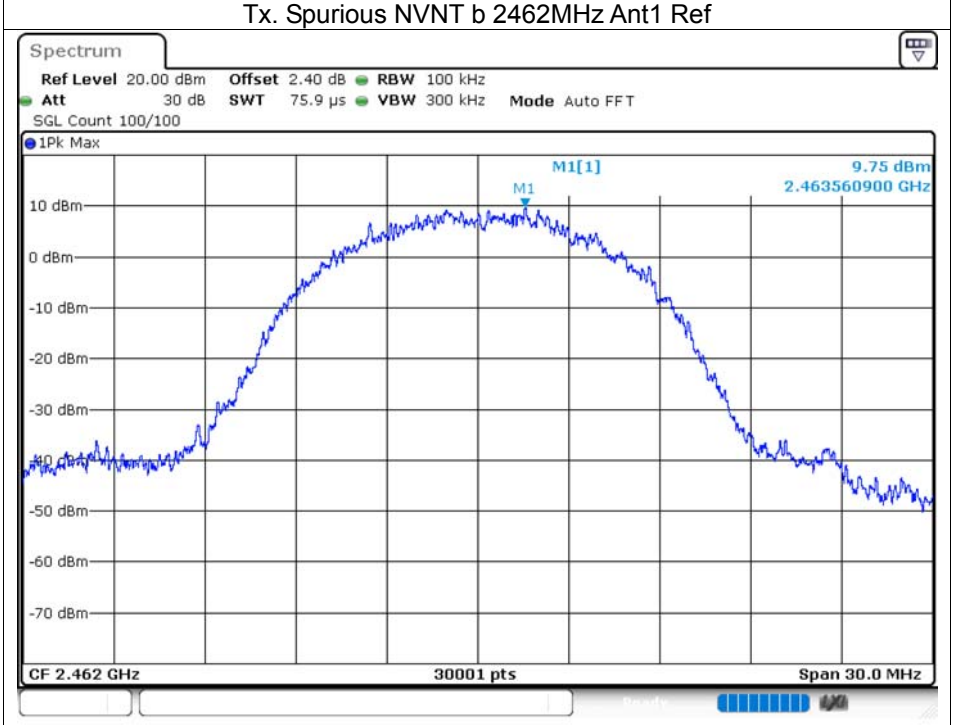
Tx. Spurious NVNT b 2437MHz Ant1 Emission



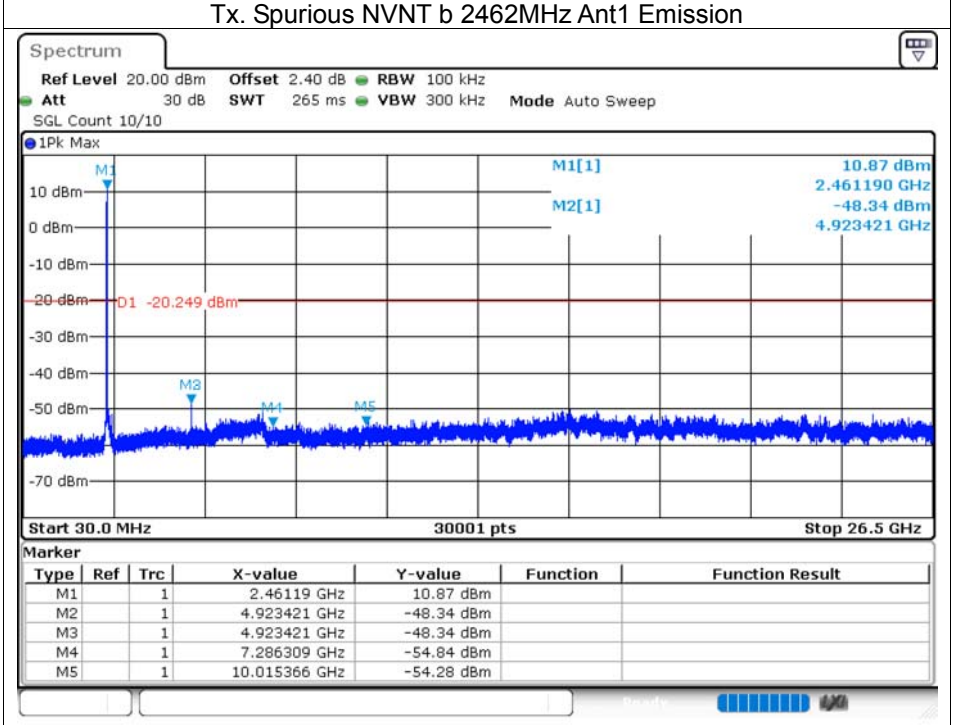
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43825 GHz	9.76 dBm		
M2		1	4.87401 GHz	-46.43 dBm		
M3		1	4.87401 GHz	-46.43 dBm		
M4		1	7.308368 GHz	-54.72 dBm		
M5		1	9.688021 GHz	-53.96 dBm		

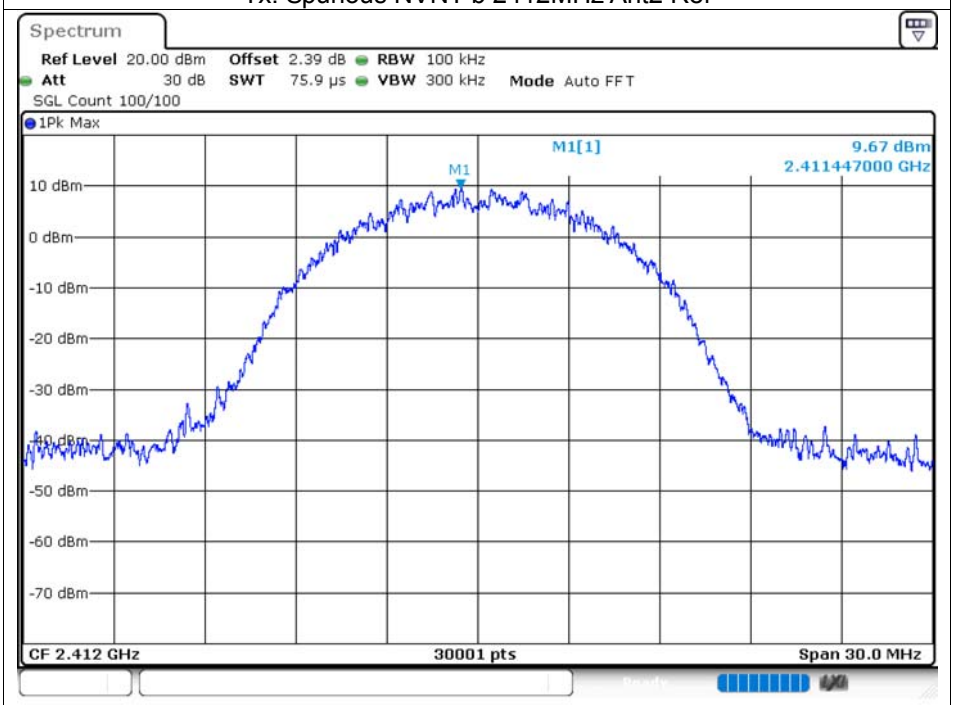
Tx. Spurious NVNT b 2462MHz Ant1 Ref



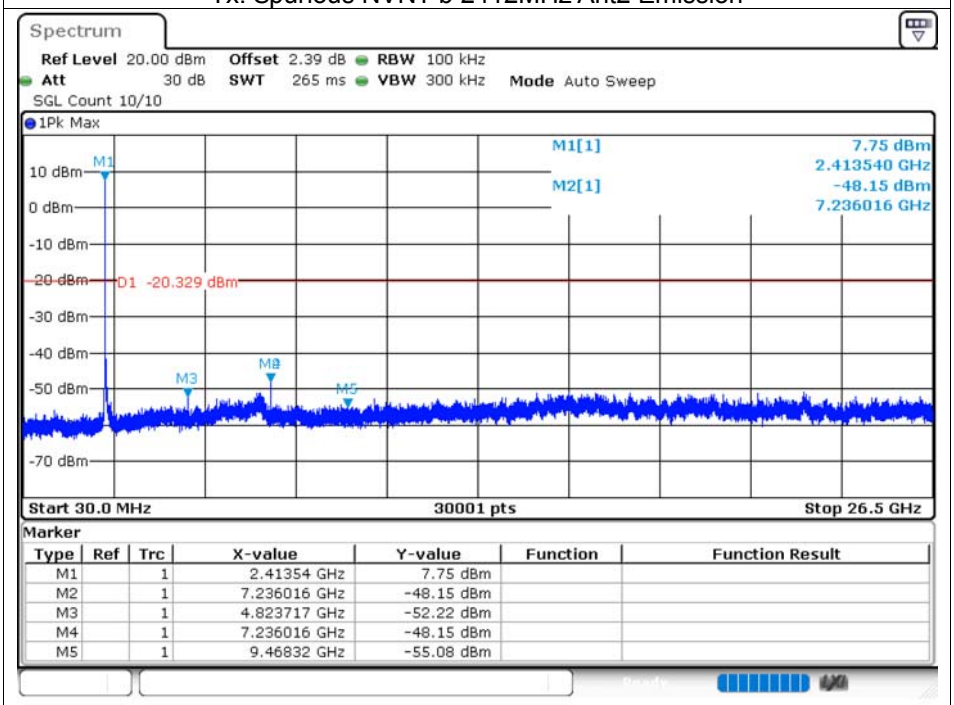
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT b 2412MHz Ant2 Ref

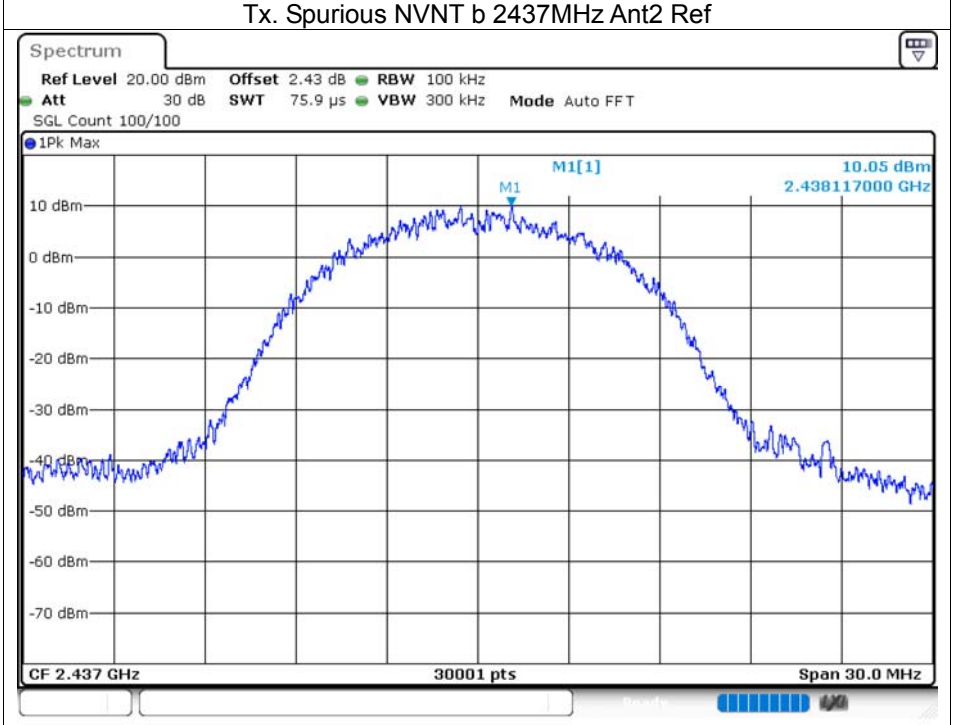


Tx. Spurious NVNT b 2412MHz Ant2 Emission

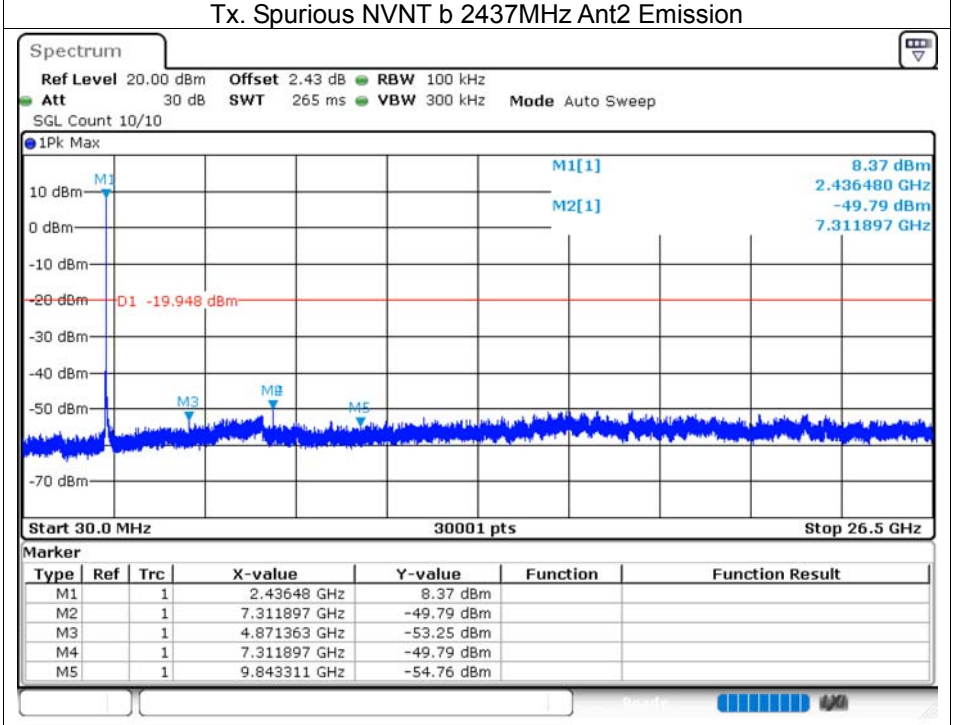


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41354 GHz	7.75 dBm		
M2		1	7.236016 GHz	-48.15 dBm		
M3		1	4.823717 GHz	-52.22 dBm		
M4		1	7.236016 GHz	-48.15 dBm		
M5		1	9.46832 GHz	-55.08 dBm		

Tx. Spurious NVNT b 2437MHz Ant2 Ref



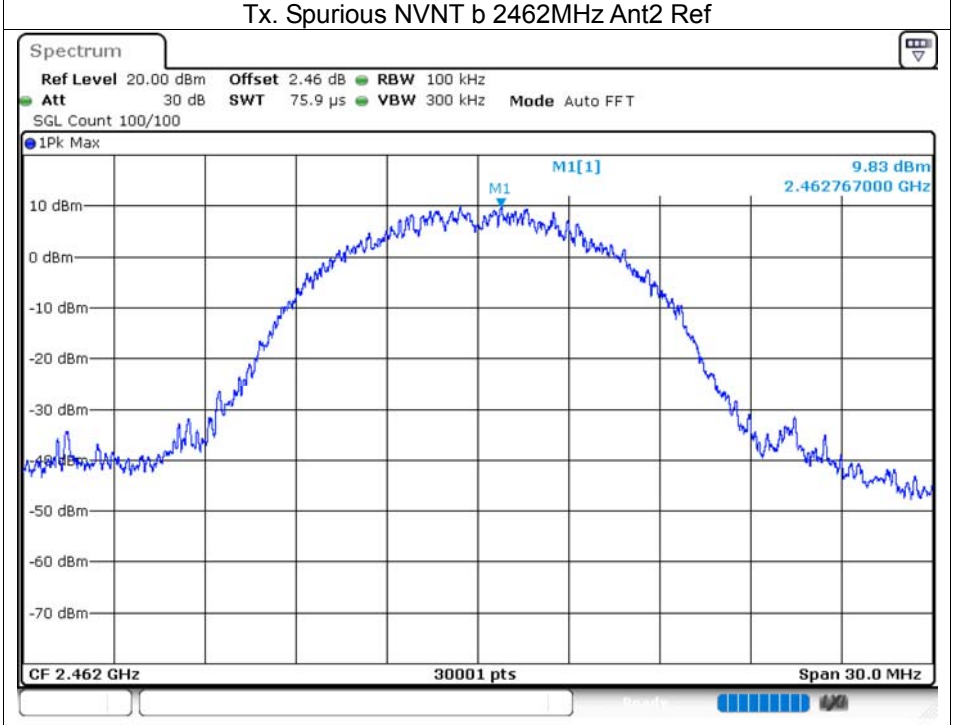
Tx. Spurious NVNT b 2437MHz Ant2 Emission



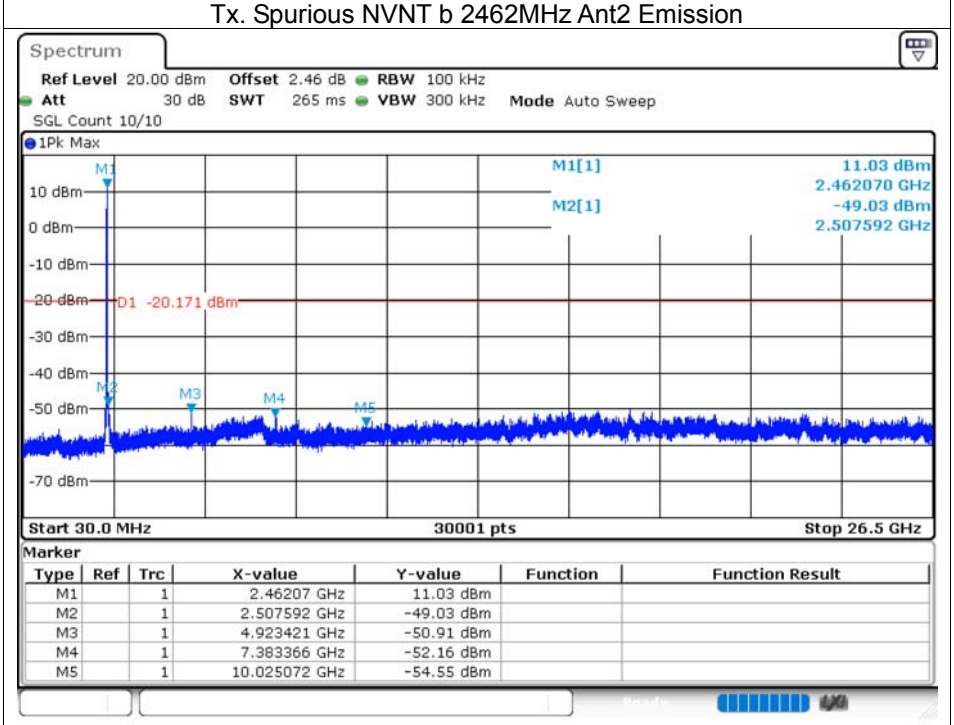
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43648 GHz	8.37 dBm		
M2		1	7.311897 GHz	-49.79 dBm		
M3		1	4.871363 GHz	-53.25 dBm		
M4		1	7.311897 GHz	-49.79 dBm		
M5		1	9.843311 GHz	-54.76 dBm		

Tx. Spurious NVNT b 2462MHz Ant2 Ref



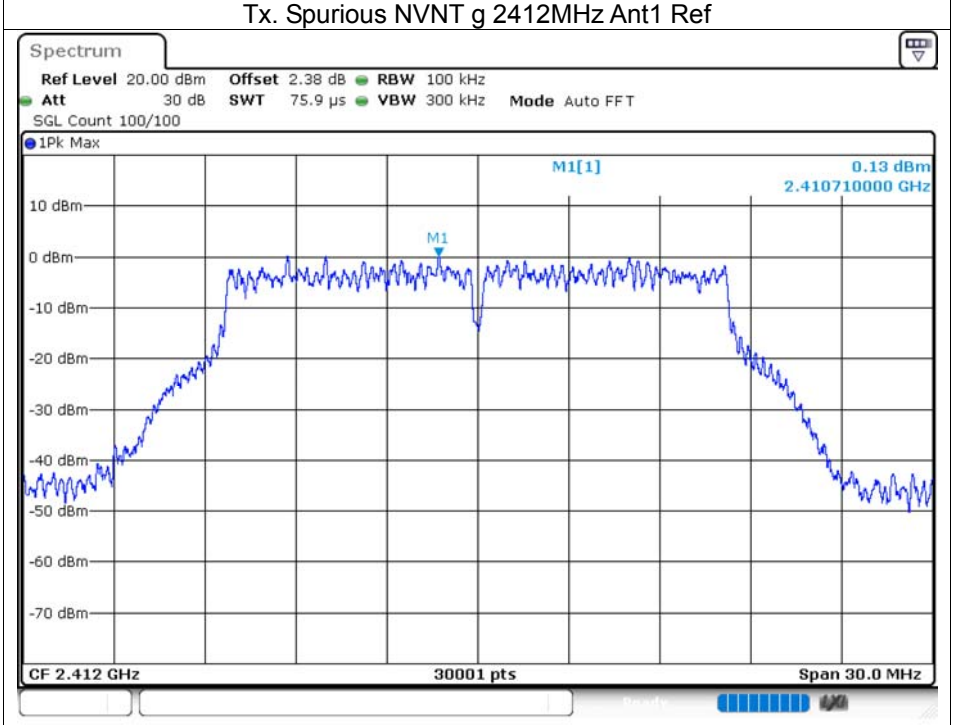
Tx. Spurious NVNT b 2462MHz Ant2 Emission



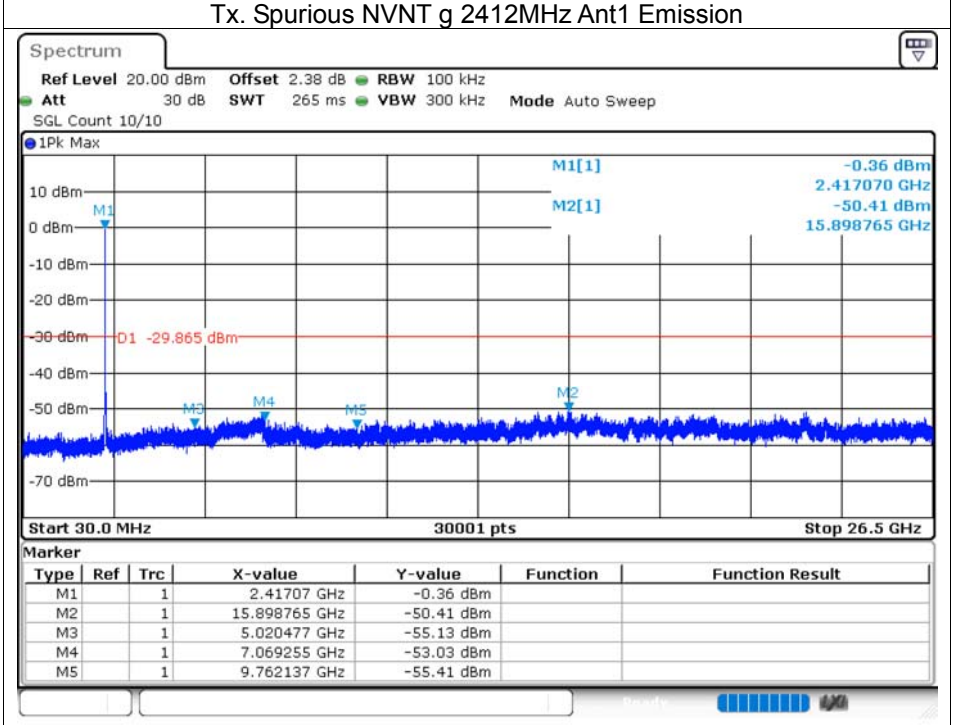
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46207 GHz	11.03 dBm		
M2		1	2.507592 GHz	-49.03 dBm		
M3		1	4.923421 GHz	-50.91 dBm		
M4		1	7.383366 GHz	-52.16 dBm		
M5		1	10.025072 GHz	-54.55 dBm		

Tx. Spurious NVNT g 2412MHz Ant1 Ref



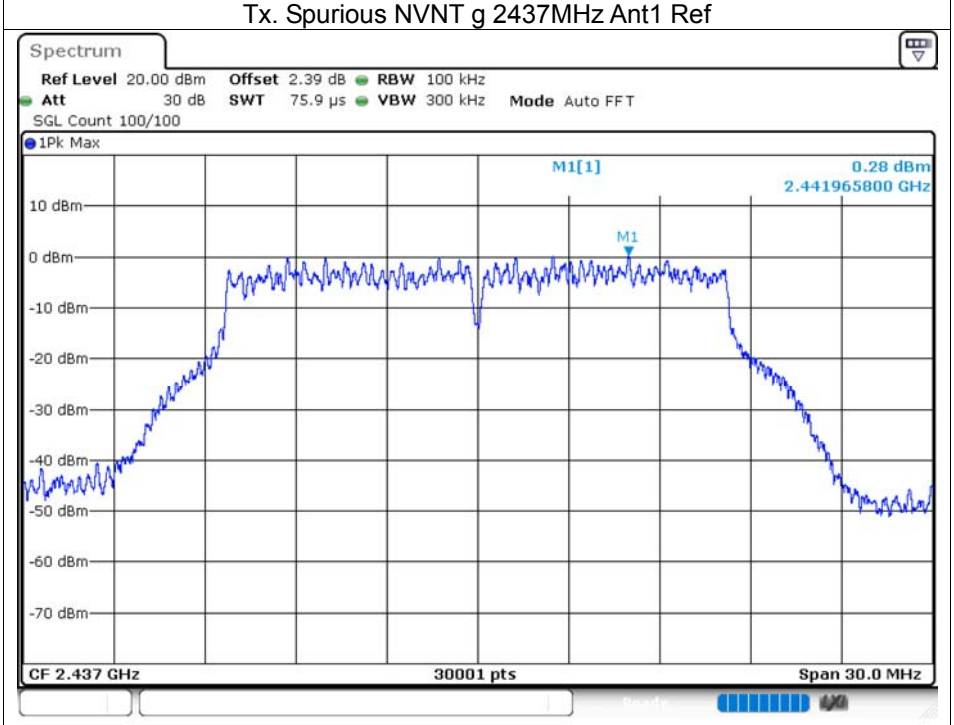
Tx. Spurious NVNT g 2412MHz Ant1 Emission



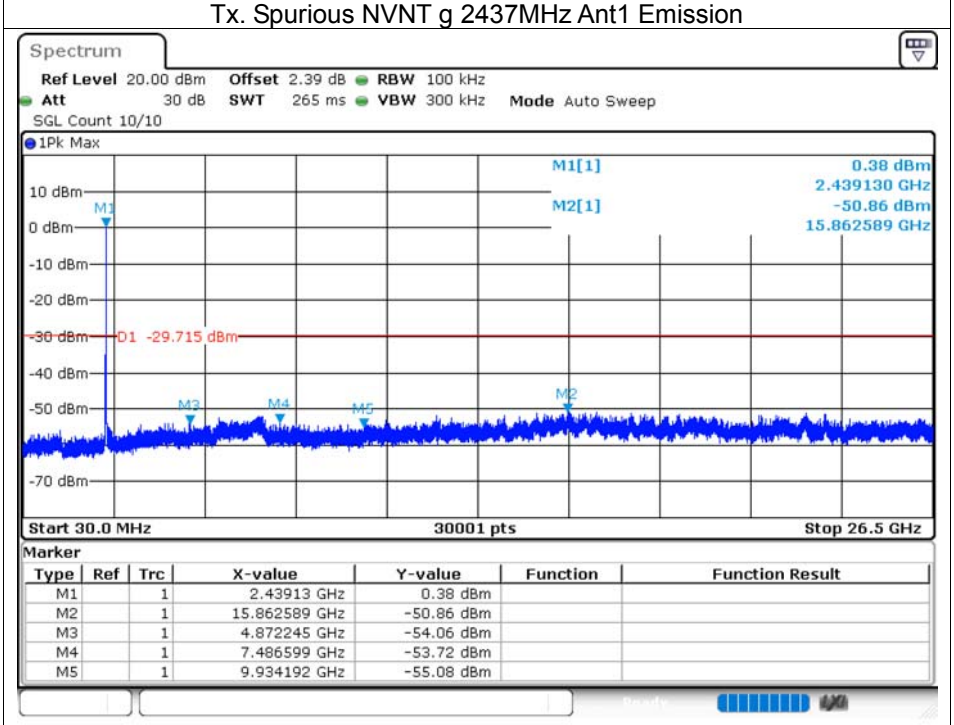
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41707 GHz	-0.36 dBm		
M2		1	15.898765 GHz	-50.41 dBm		
M3		1	5.020477 GHz	-55.13 dBm		
M4		1	7.069255 GHz	-53.03 dBm		
M5		1	9.762137 GHz	-55.41 dBm		

Tx. Spurious NVNT g 2437MHz Ant1 Ref

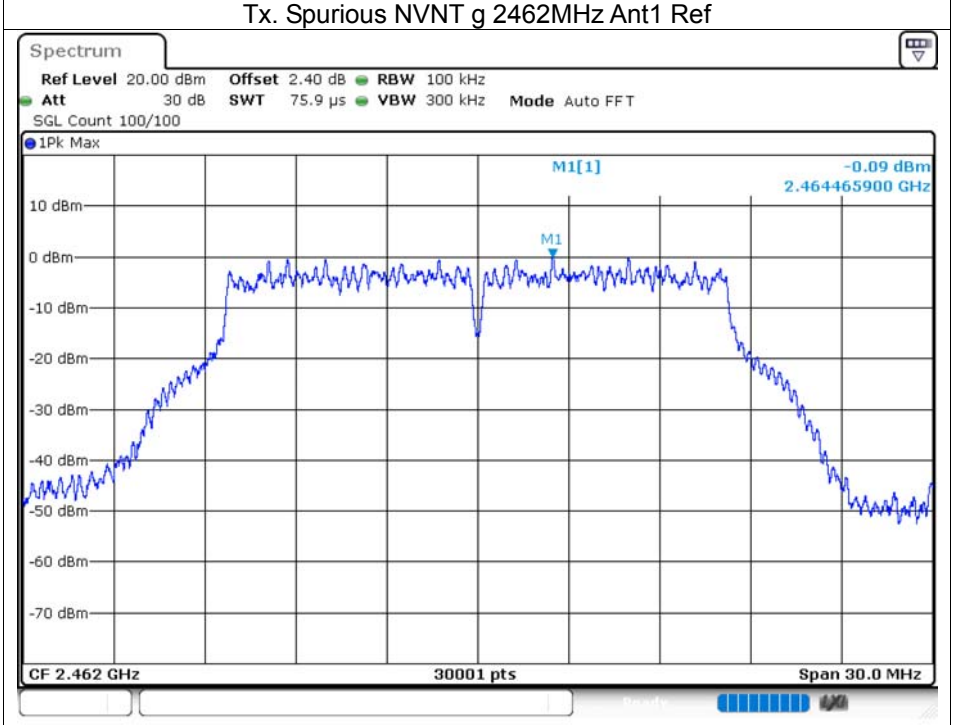


Tx. Spurious NVNT g 2437MHz Ant1 Emission

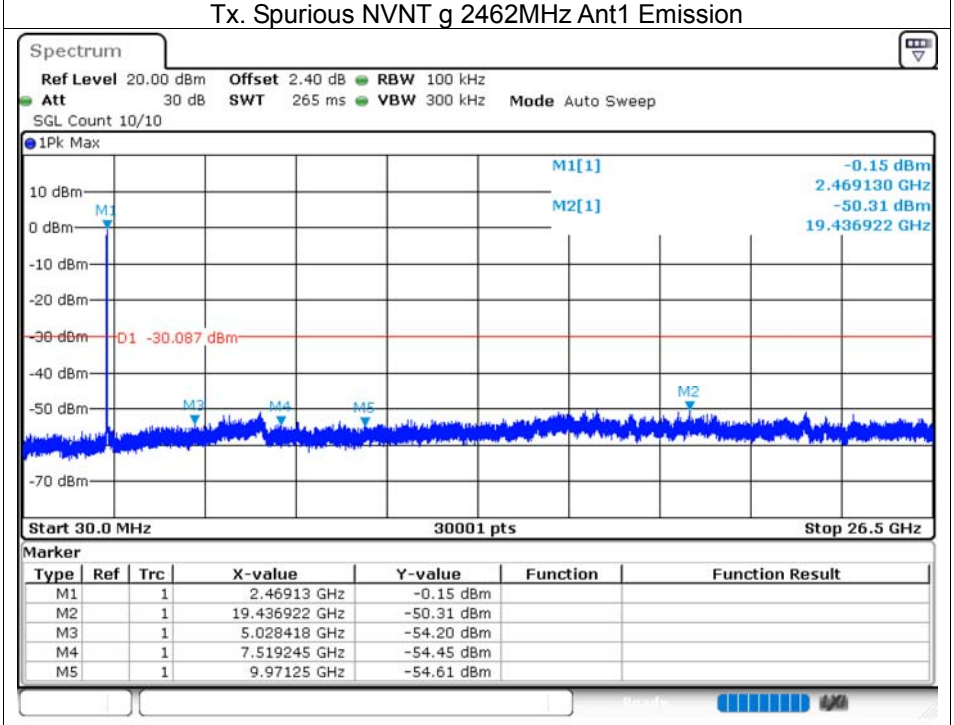


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43913 GHz	0.38 dBm		
M2		1	15.862589 GHz	-50.86 dBm		
M3		1	4.872245 GHz	-54.06 dBm		
M4		1	7.486599 GHz	-53.72 dBm		
M5		1	9.934192 GHz	-55.08 dBm		

Tx. Spurious NVNT g 2462MHz Ant1 Ref



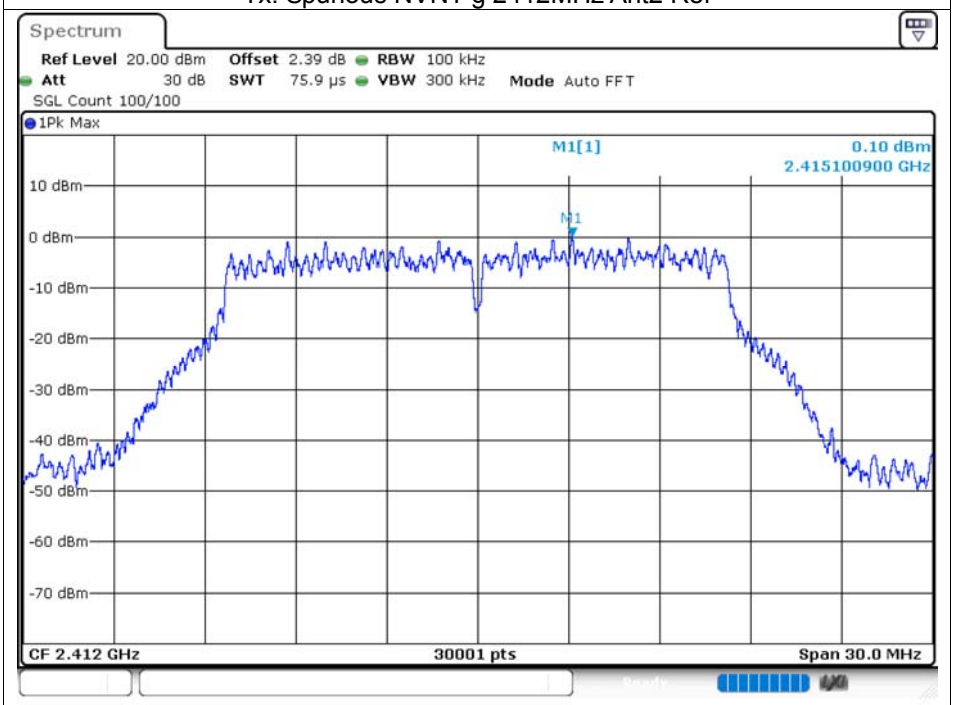
Tx. Spurious NVNT g 2462MHz Ant1 Emission



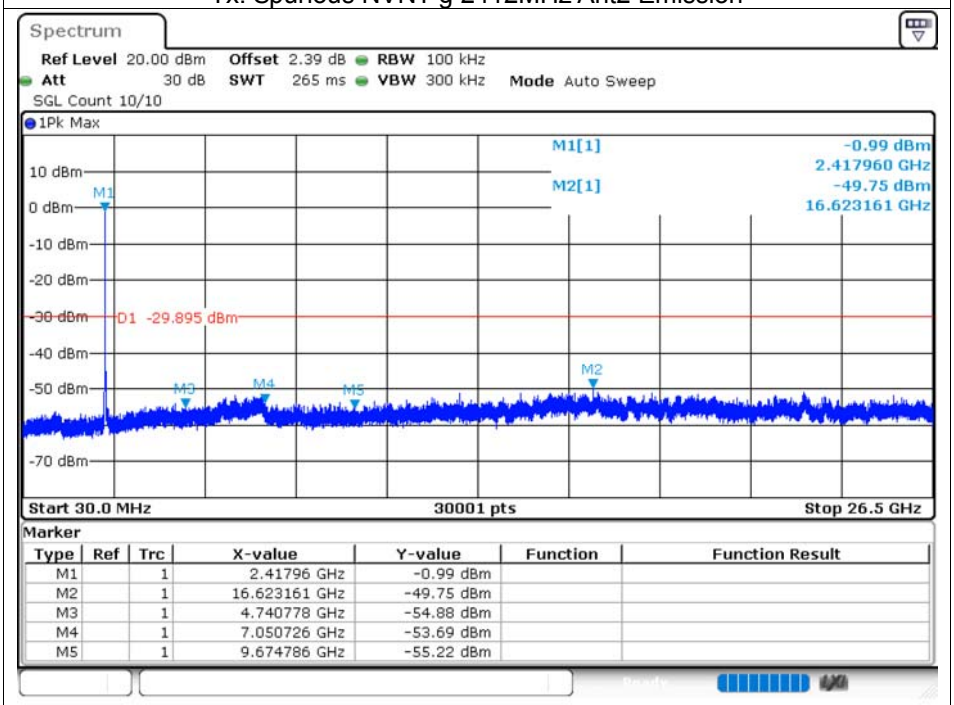
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46913 GHz	-0.15 dBm		
M2		1	19.436922 GHz	-50.31 dBm		
M3		1	5.028418 GHz	-54.20 dBm		
M4		1	7.519245 GHz	-54.45 dBm		
M5		1	9.97125 GHz	-54.61 dBm		

Tx. Spurious NVNT g 2412MHz Ant2 Ref

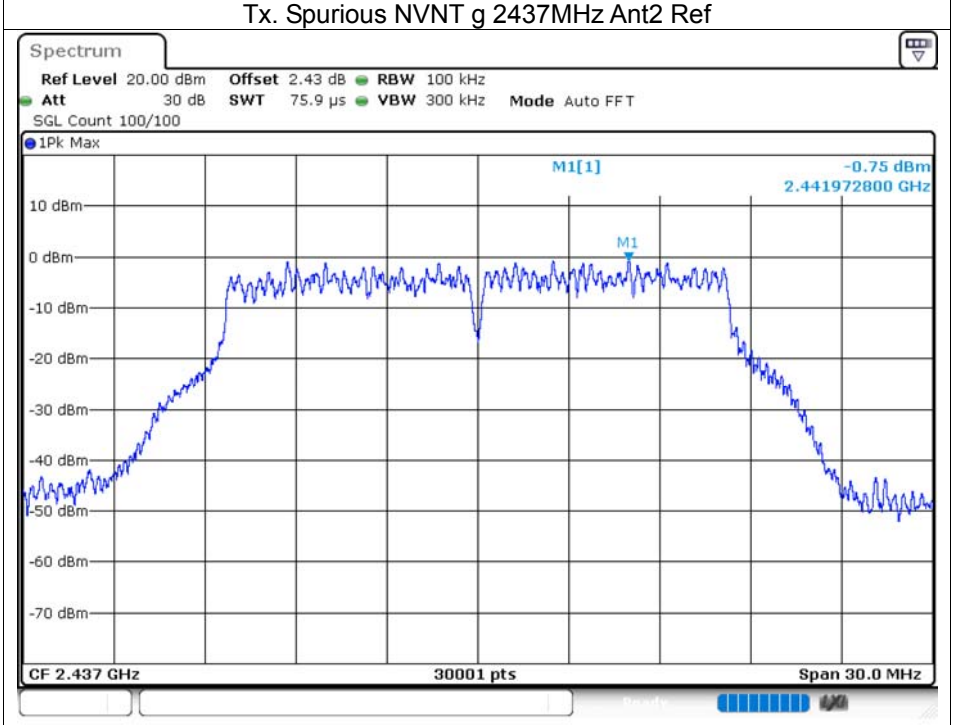


Tx. Spurious NVNT g 2412MHz Ant2 Emission

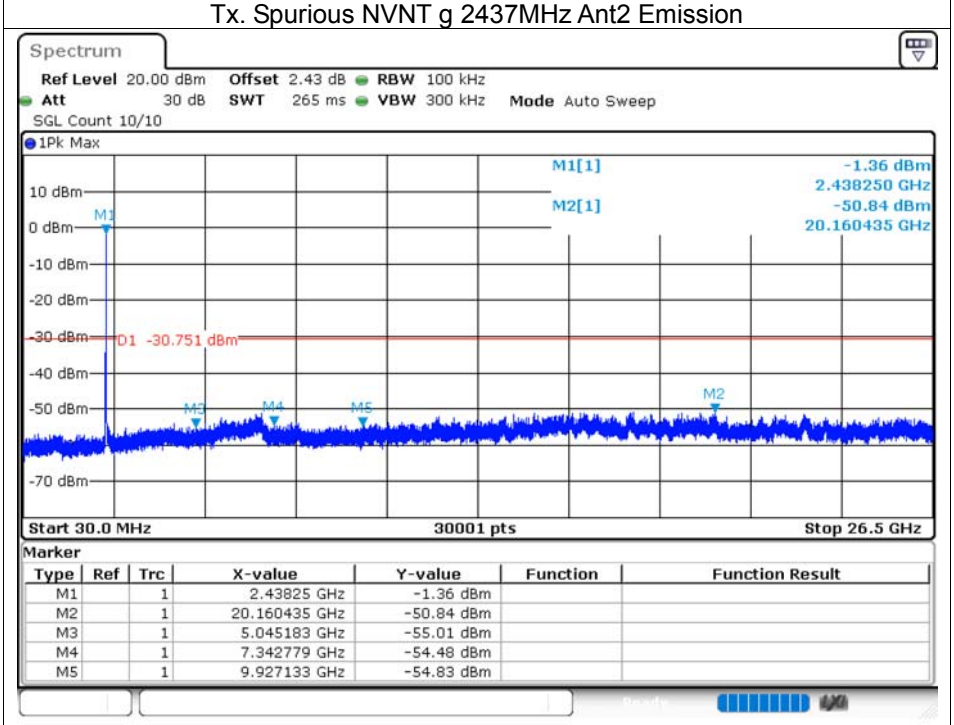


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41796 GHz	-0.99 dBm		
M2		1	16.623161 GHz	-49.75 dBm		
M3		1	4.740778 GHz	-54.88 dBm		
M4		1	7.050726 GHz	-53.69 dBm		
M5		1	9.674786 GHz	-55.22 dBm		

Tx. Spurious NVNT g 2437MHz Ant2 Ref



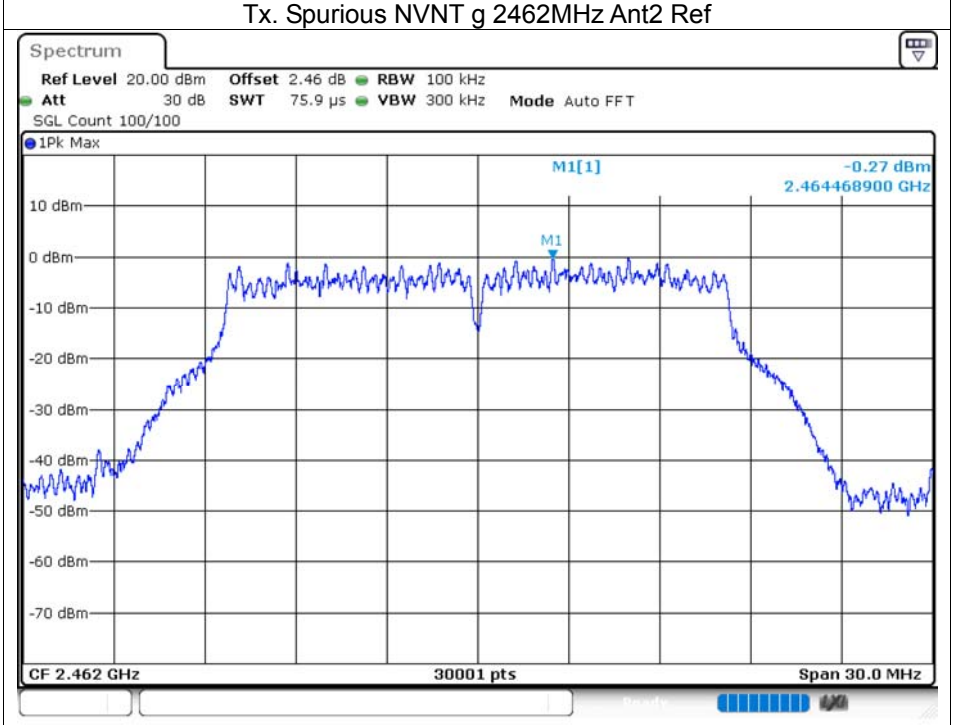
Tx. Spurious NVNT g 2437MHz Ant2 Emission



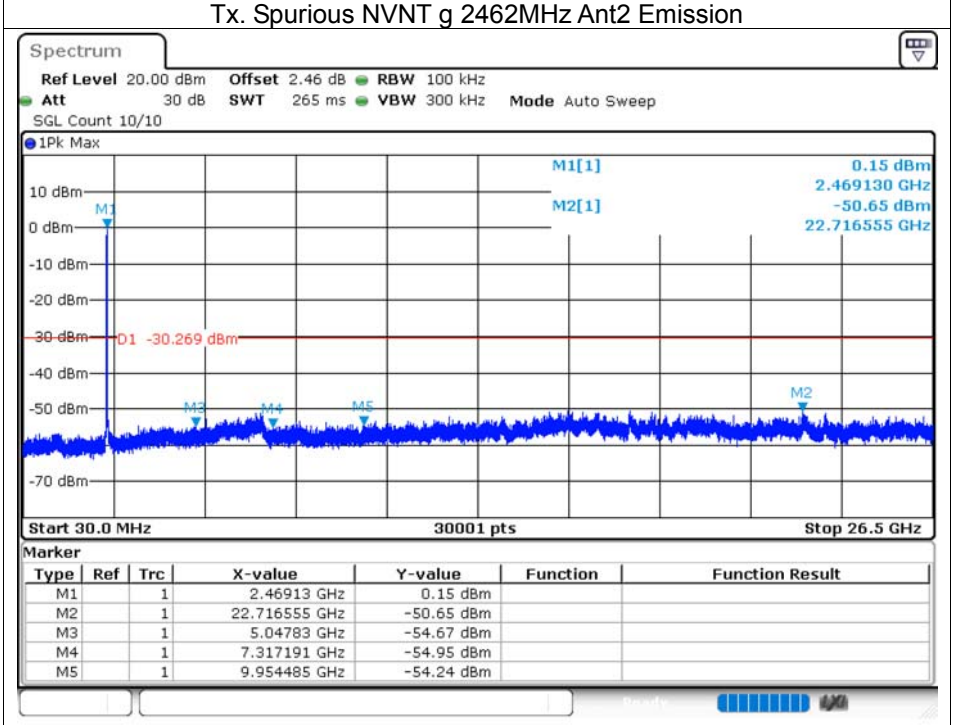
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43825 GHz	-1.36 dBm		
M2		1	20.160435 GHz	-50.84 dBm		
M3		1	5.045183 GHz	-55.01 dBm		
M4		1	7.342779 GHz	-54.48 dBm		
M5		1	9.927133 GHz	-54.83 dBm		

Tx. Spurious NVNT g 2462MHz Ant2 Ref



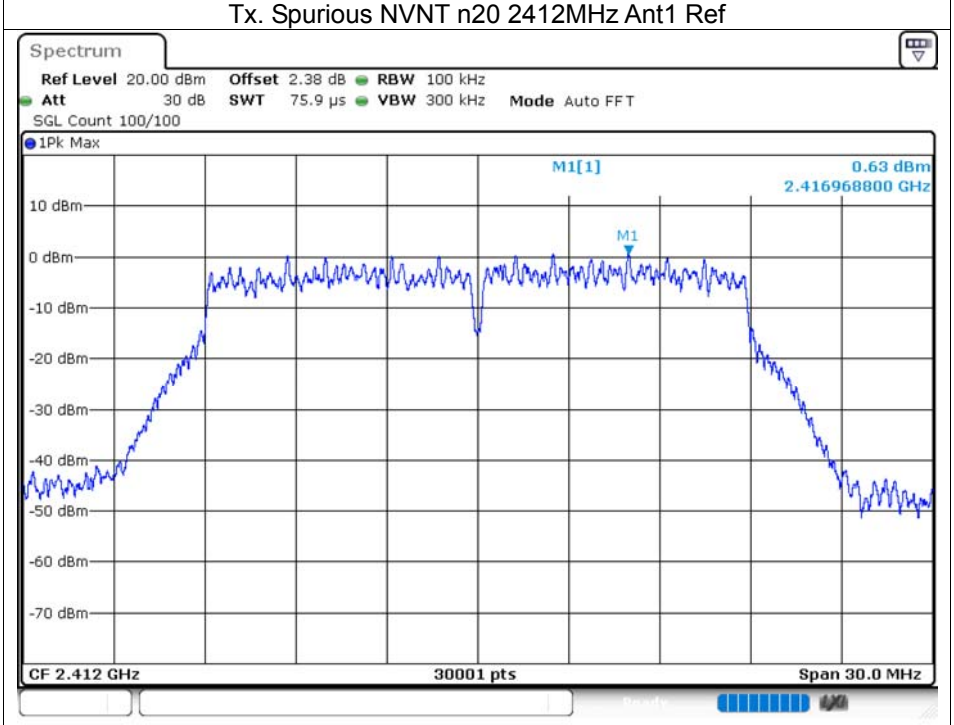
Tx. Spurious NVNT g 2462MHz Ant2 Emission



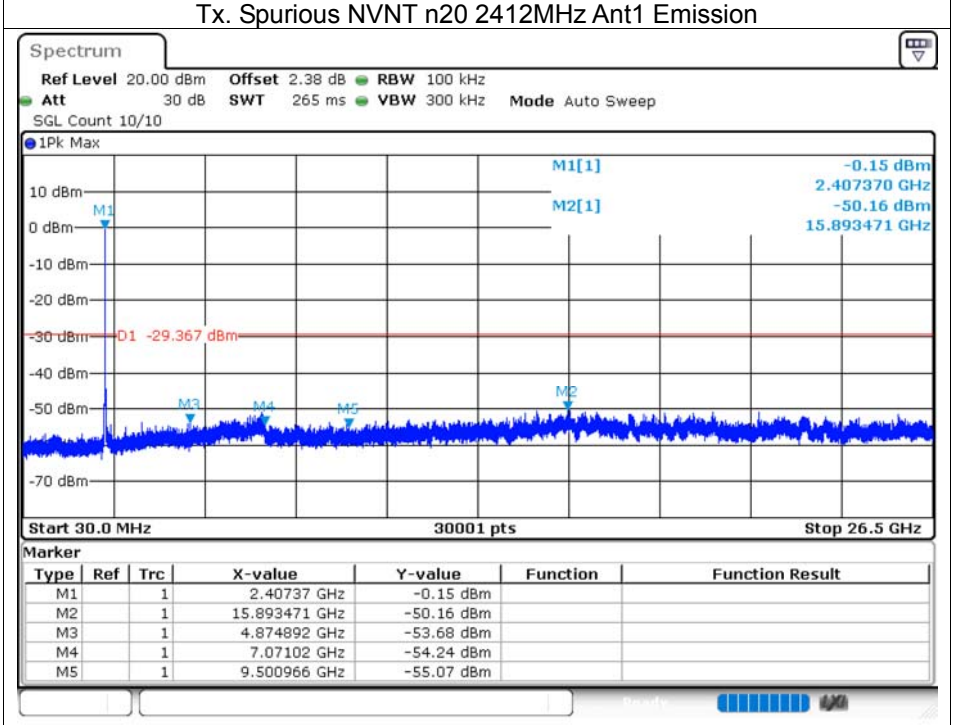
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46913 GHz	0.15 dBm		
M2		1	22.716555 GHz	-50.65 dBm		
M3		1	5.04783 GHz	-54.67 dBm		
M4		1	7.317191 GHz	-54.95 dBm		
M5		1	9.954485 GHz	-54.24 dBm		

Tx. Spurious NVNT n20 2412MHz Ant1 Ref



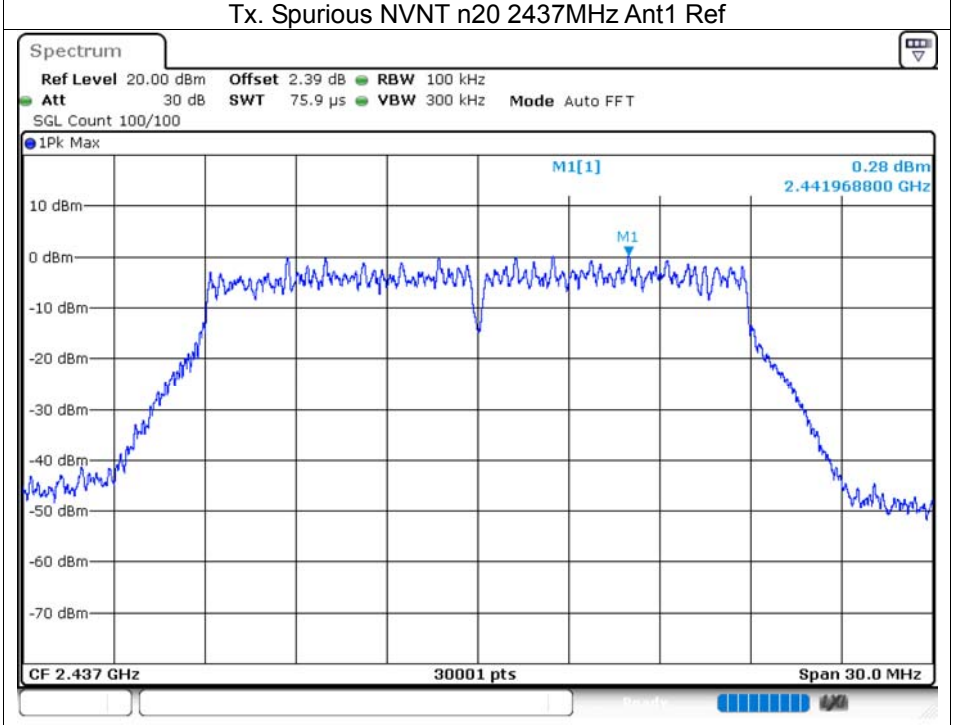
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



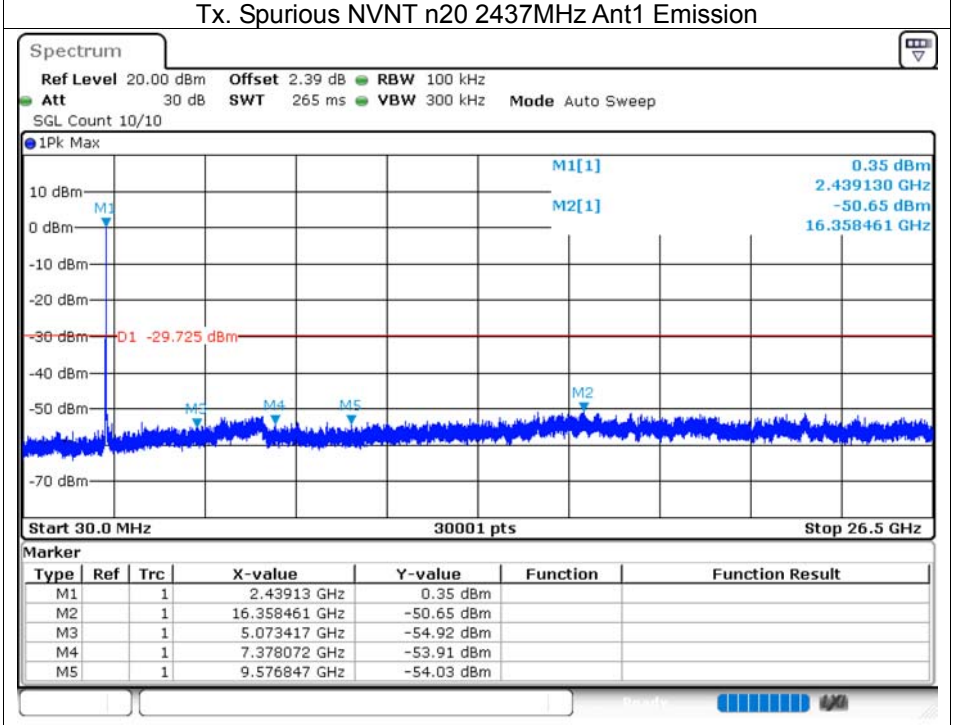
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40737 GHz	-0.15 dBm		
M2		1	15.893471 GHz	-50.16 dBm		
M3		1	4.874892 GHz	-53.68 dBm		
M4		1	7.07102 GHz	-54.24 dBm		
M5		1	9.500966 GHz	-55.07 dBm		

Tx. Spurious NVNT n20 2437MHz Ant1 Ref

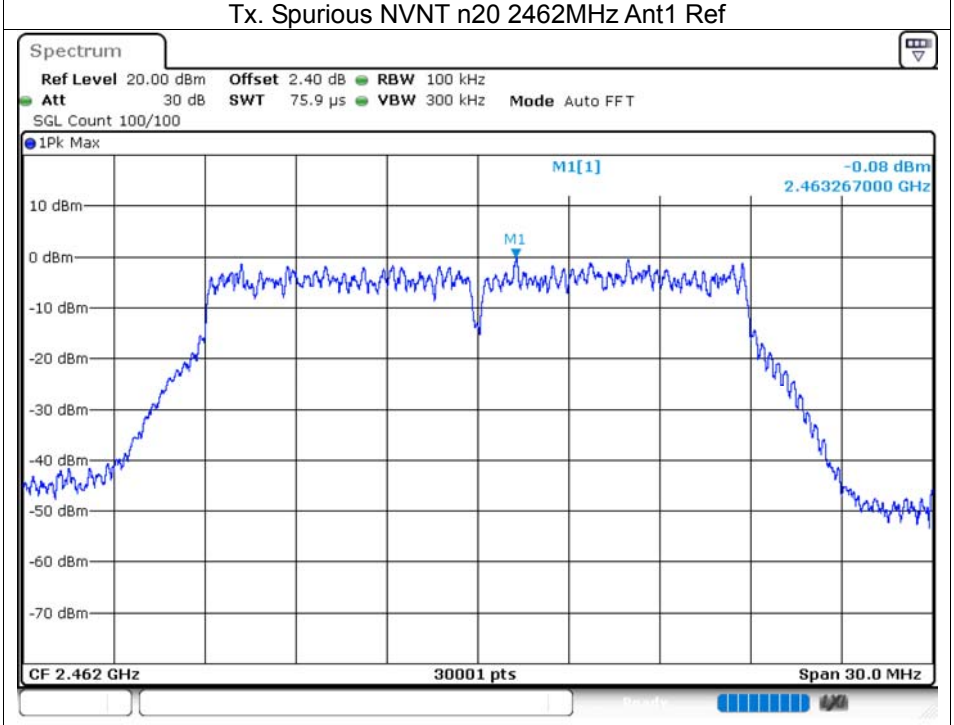


Tx. Spurious NVNT n20 2437MHz Ant1 Emission

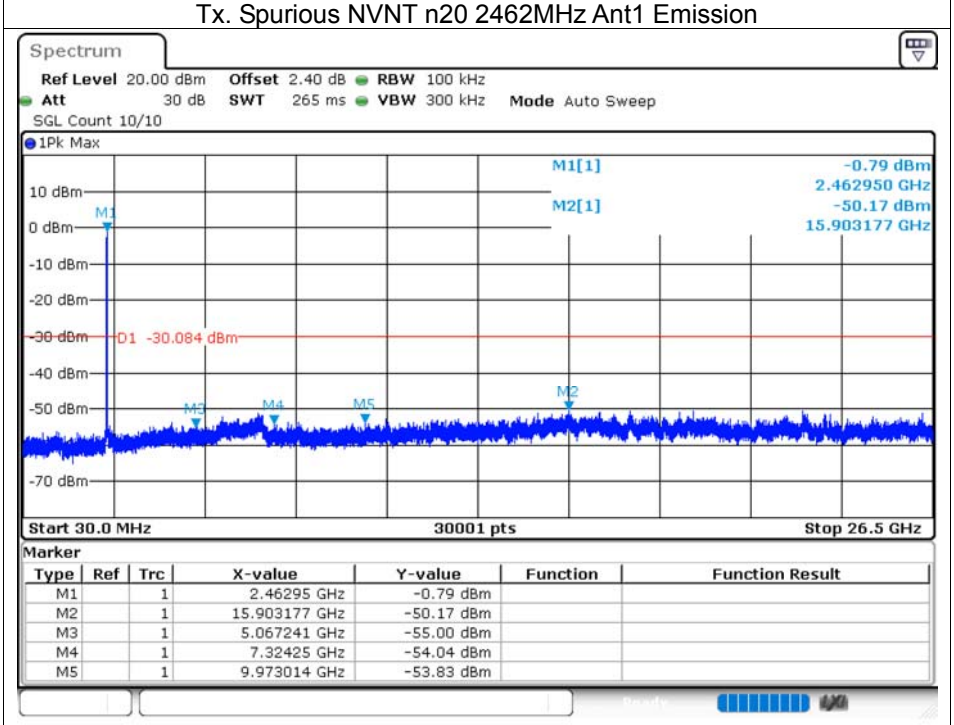


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43913 GHz	0.35 dBm		
M2		1	16.358461 GHz	-50.65 dBm		
M3		1	5.073417 GHz	-54.92 dBm		
M4		1	7.378072 GHz	-53.91 dBm		
M5		1	9.576847 GHz	-54.03 dBm		

Tx. Spurious NVNT n20 2462MHz Ant1 Ref

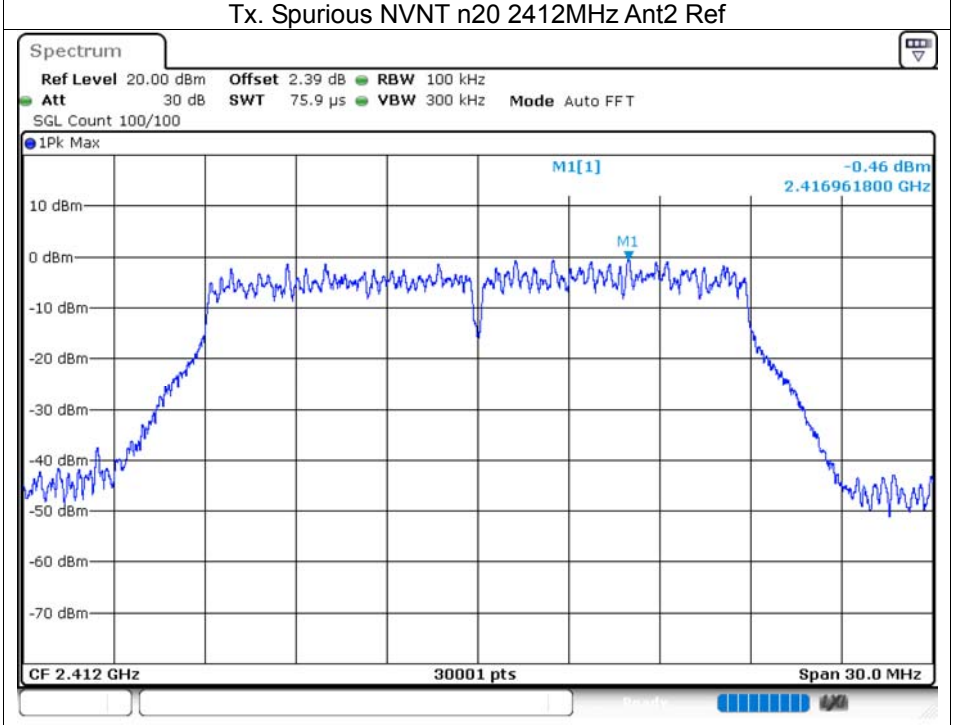


Tx. Spurious NVNT n20 2462MHz Ant1 Emission

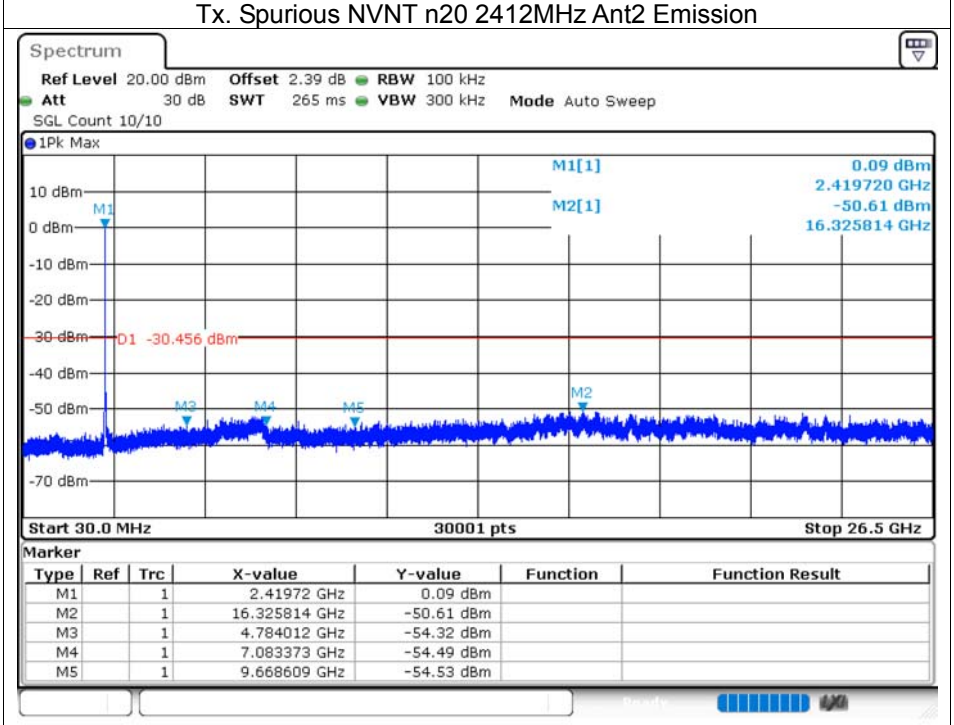


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46295 GHz	-0.79 dBm		
M2		1	15.903177 GHz	-50.17 dBm		
M3		1	5.067241 GHz	-55.00 dBm		
M4		1	7.32425 GHz	-54.04 dBm		
M5		1	9.973014 GHz	-53.83 dBm		

Tx. Spurious NVNT n20 2412MHz Ant2 Ref



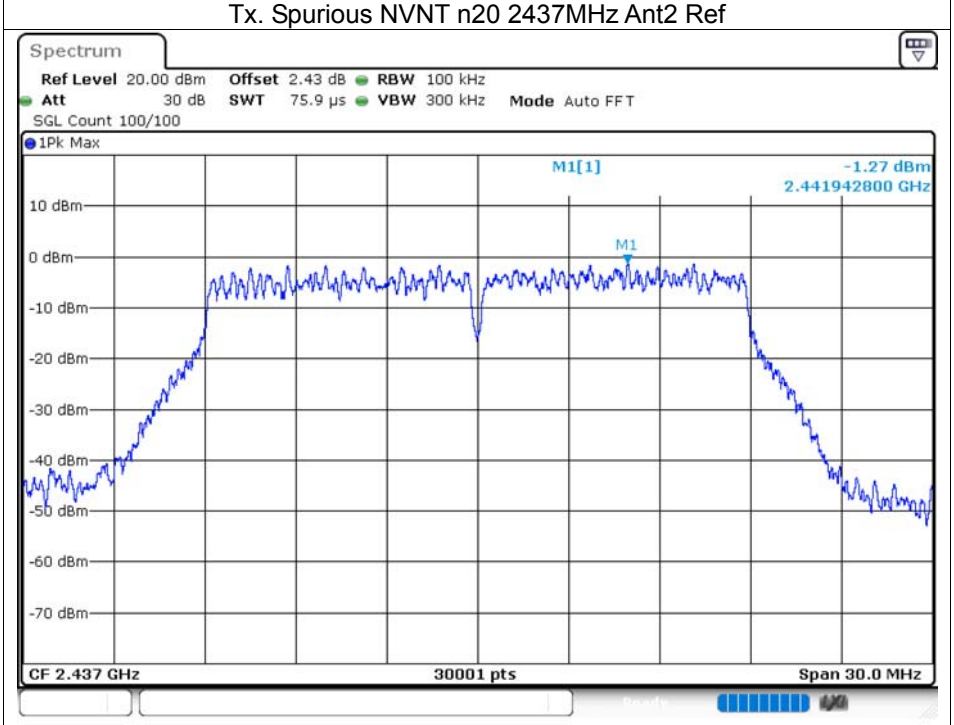
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



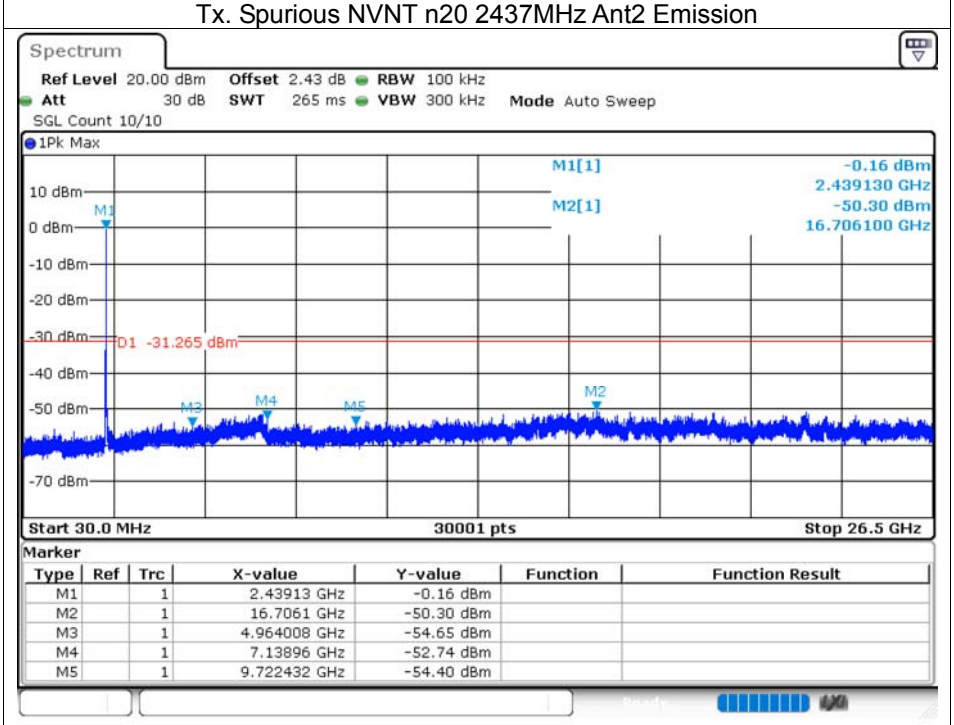
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41972 GHz	0.09 dBm		
M2		1	16.325814 GHz	-50.61 dBm		
M3		1	4.784012 GHz	-54.32 dBm		
M4		1	7.083373 GHz	-54.49 dBm		
M5		1	9.668609 GHz	-54.53 dBm		

Tx. Spurious NVNT n20 2437MHz Ant2 Ref



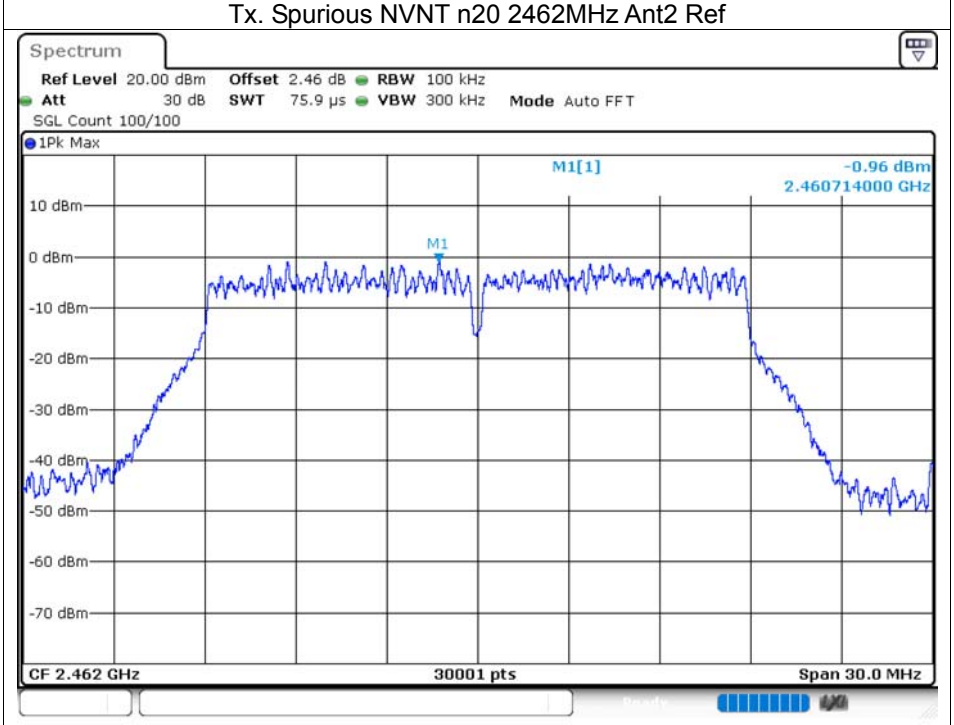
Tx. Spurious NVNT n20 2437MHz Ant2 Emission



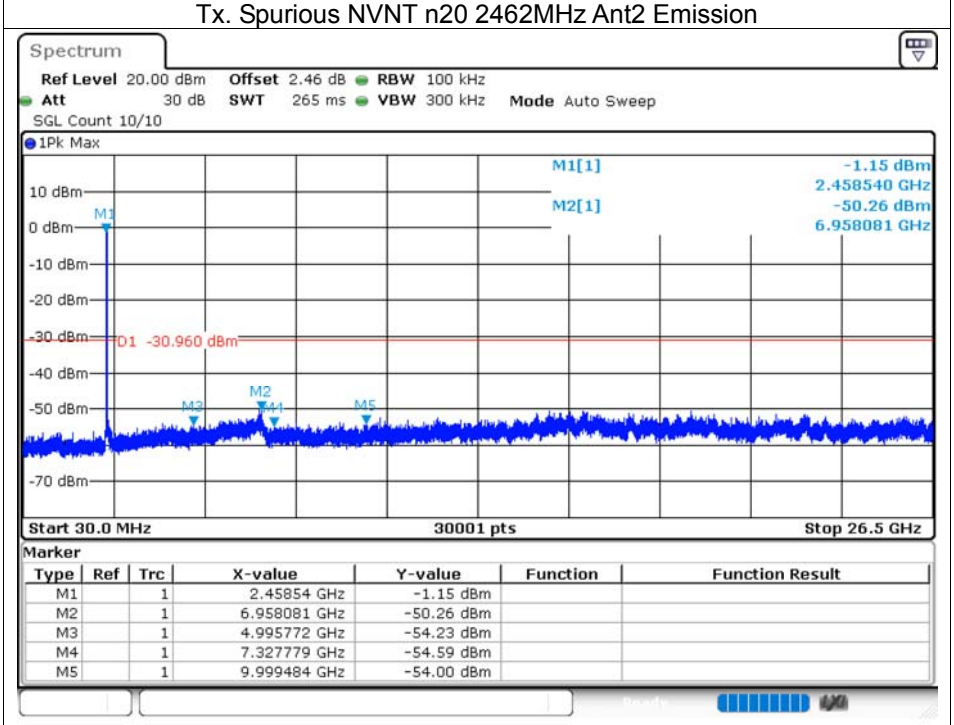
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43913 GHz	-0.16 dBm		
M2		1	16.7061 GHz	-50.30 dBm		
M3		1	4.964008 GHz	-54.65 dBm		
M4		1	7.13896 GHz	-52.74 dBm		
M5		1	9.722432 GHz	-54.40 dBm		

Tx. Spurious NVNT n20 2462MHz Ant2 Ref

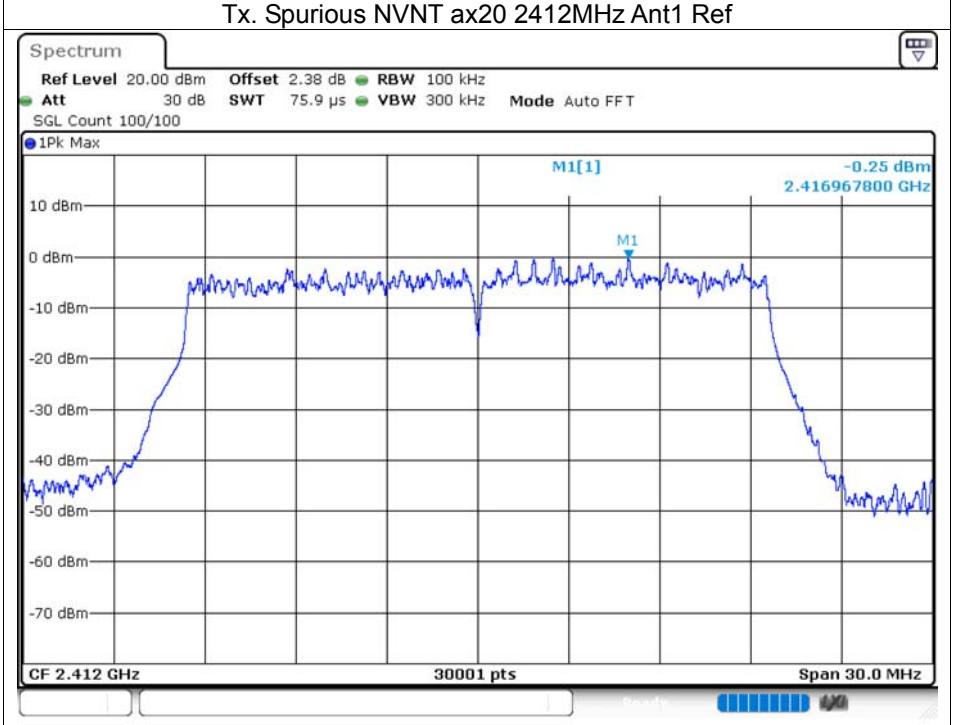


Tx. Spurious NVNT n20 2462MHz Ant2 Emission

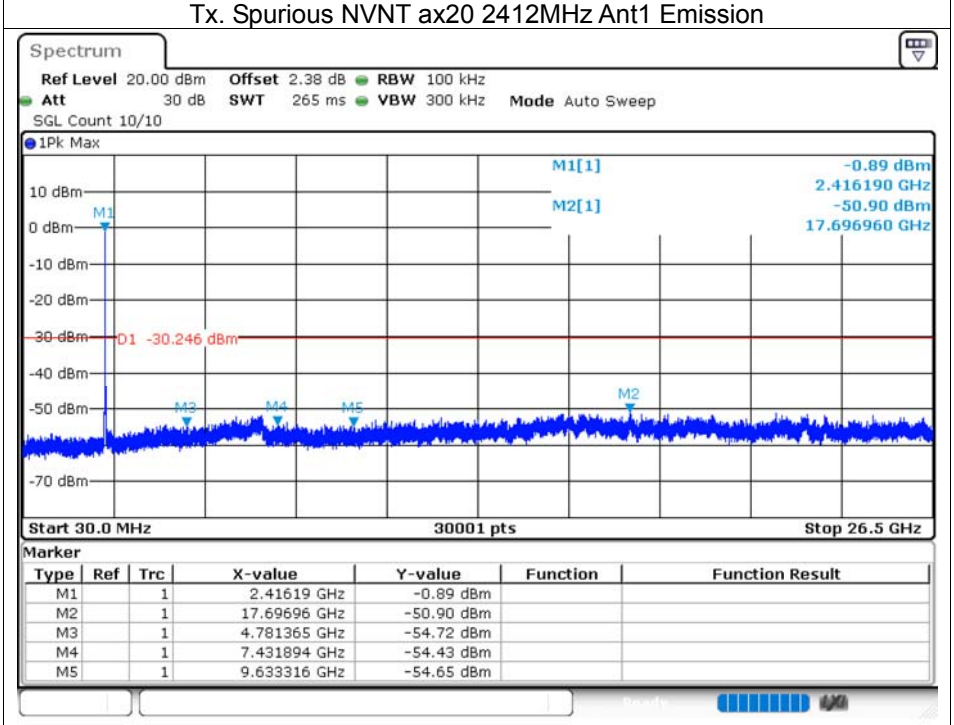


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45854 GHz	-1.15 dBm		
M2		1	6.958081 GHz	-50.26 dBm		
M3		1	4.995772 GHz	-54.23 dBm		
M4		1	7.327779 GHz	-54.59 dBm		
M5		1	9.999484 GHz	-54.00 dBm		

Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



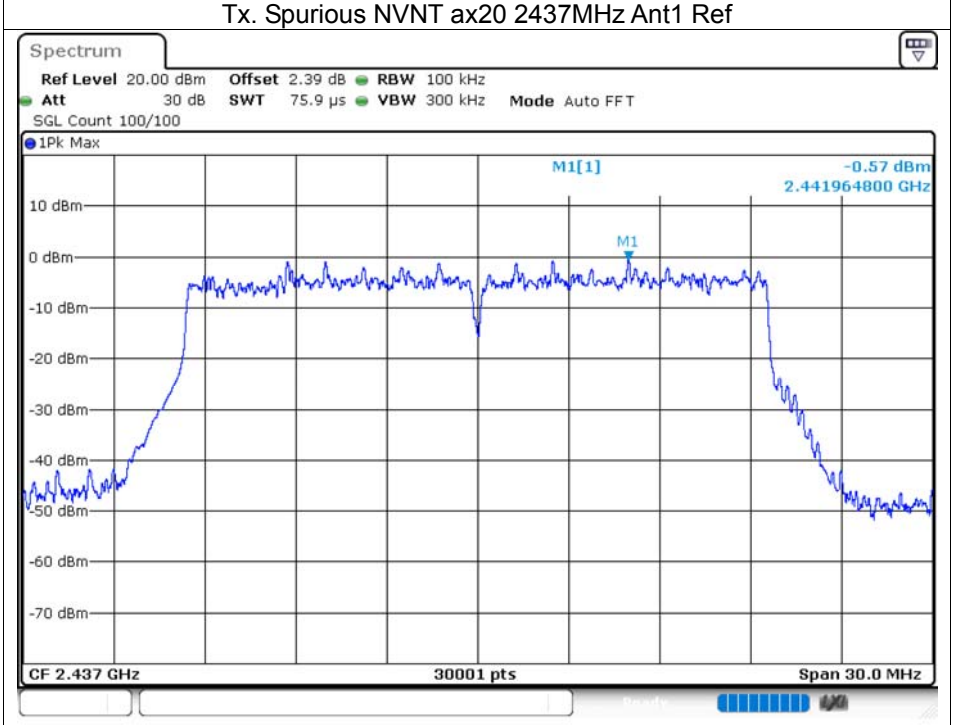
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



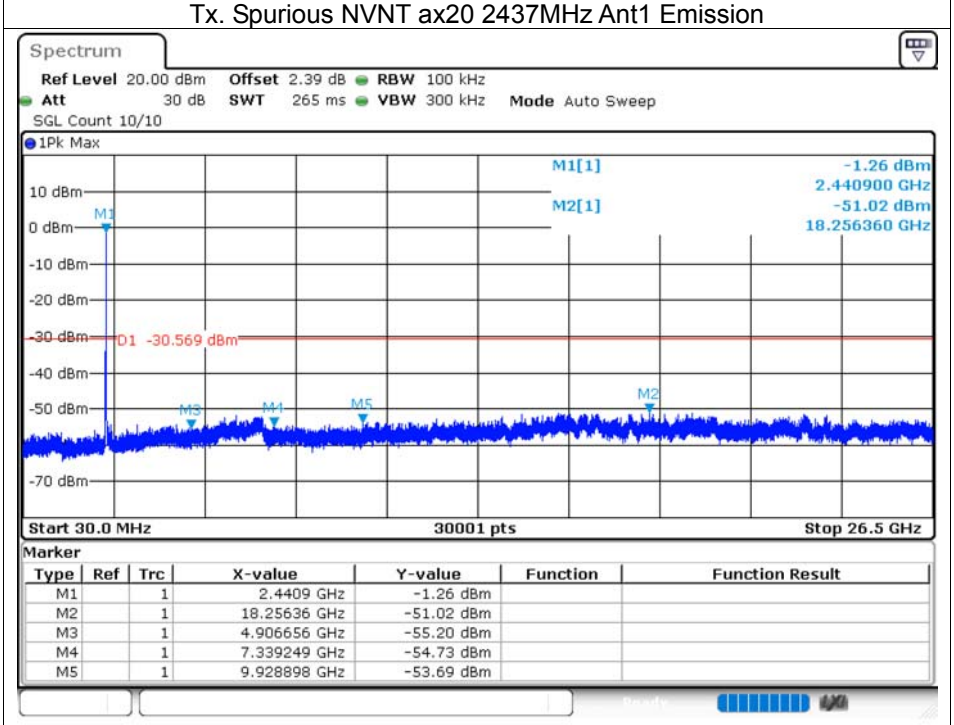
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41619 GHz	-0.89 dBm		
M2		1	17.69696 GHz	-50.90 dBm		
M3		1	4.781365 GHz	-54.72 dBm		
M4		1	7.431894 GHz	-54.43 dBm		
M5		1	9.633316 GHz	-54.65 dBm		

Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4409 GHz	-1.26 dBm		
M2		1	18.25636 GHz	-51.02 dBm		
M3		1	4.906656 GHz	-55.20 dBm		
M4		1	7.339249 GHz	-54.73 dBm		
M5		1	9.928898 GHz	-53.69 dBm		