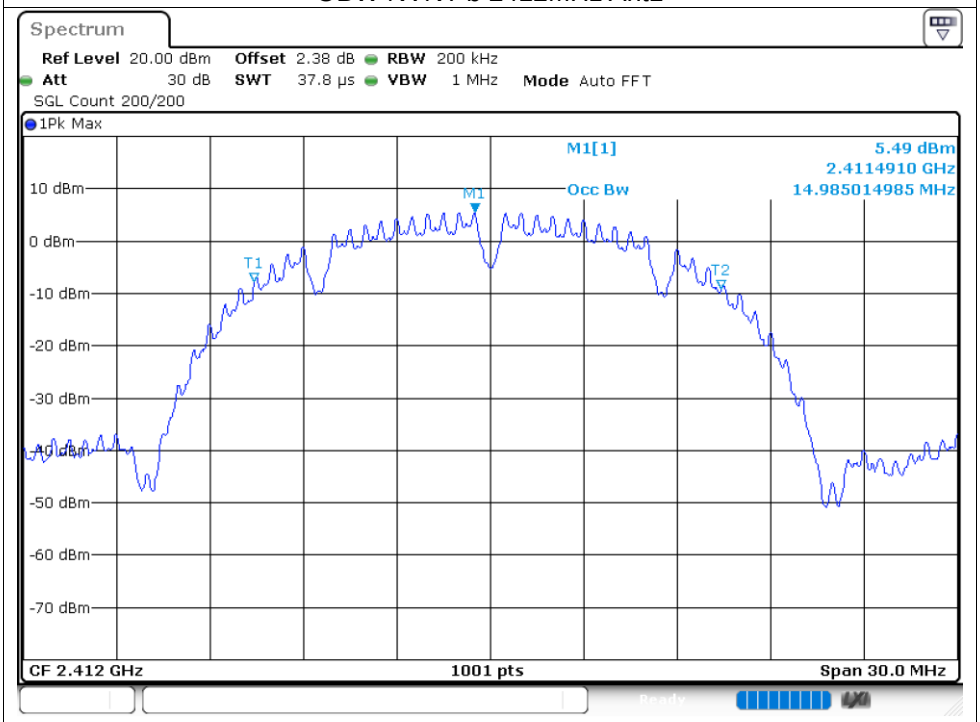
8.4 OCCUPIED CHANNEL BANDWIDTH

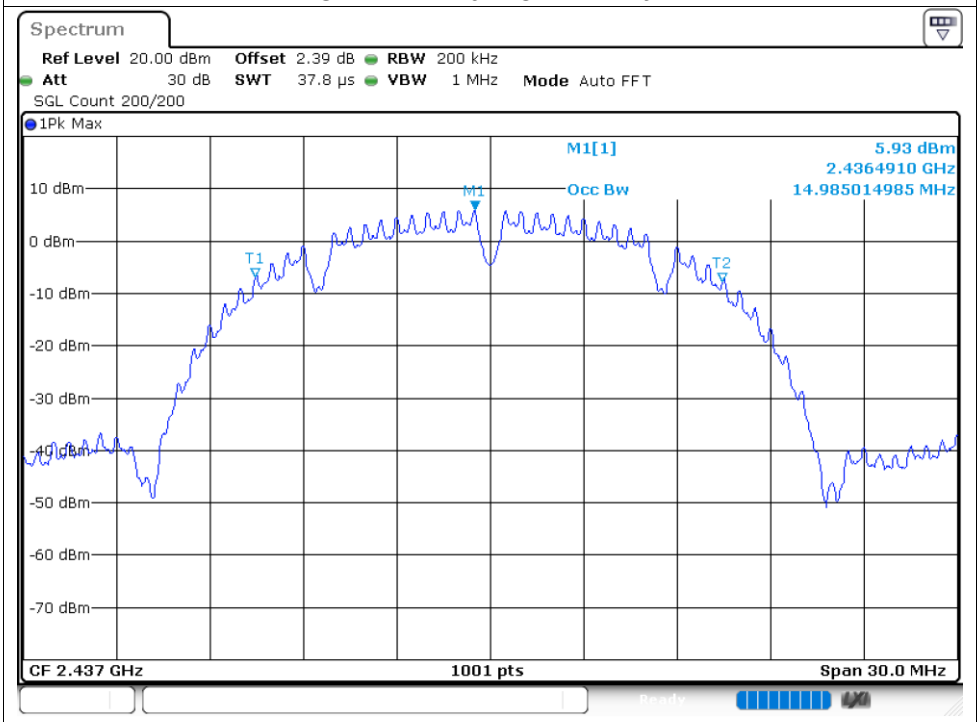
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.985
NVNT	b	2437	Ant1	14.985
NVNT	b	2462	Ant1	15.015
NVNT	b	2412	Ant2	14.954
NVNT	b	2437	Ant2	14.996
NVNT	b	2462	Ant2	14.933
NVNT	g	2412	Ant1	16.489
NVNT	g	2437	Ant1	16.618
NVNT	g	2462	Ant1	16.531
NVNT	g	2412	Ant2	16.621
NVNT	g	2437	Ant2	16.468
NVNT	g	2462	Ant2	16.534
NVNT	n20	2412	Ant1	17.635
NVNT	n20	2437	Ant1	17.623
NVNT	n20	2462	Ant1	17.656
NVNT	n20	2412	Ant2	17.599
NVNT	n20	2437	Ant2	17.71
NVNT	n20	2462	Ant2	17.767
NVNT	n40	2422	Ant1	36.326
NVNT	n40	2437	Ant1	36.296
NVNT	n40	2452	Ant1	36.368
NVNT	n40	2422	Ant2	36.29
NVNT	n40	2437	Ant2	36.356
NVNT	n40	2452	Ant2	36.296

Test Graphs

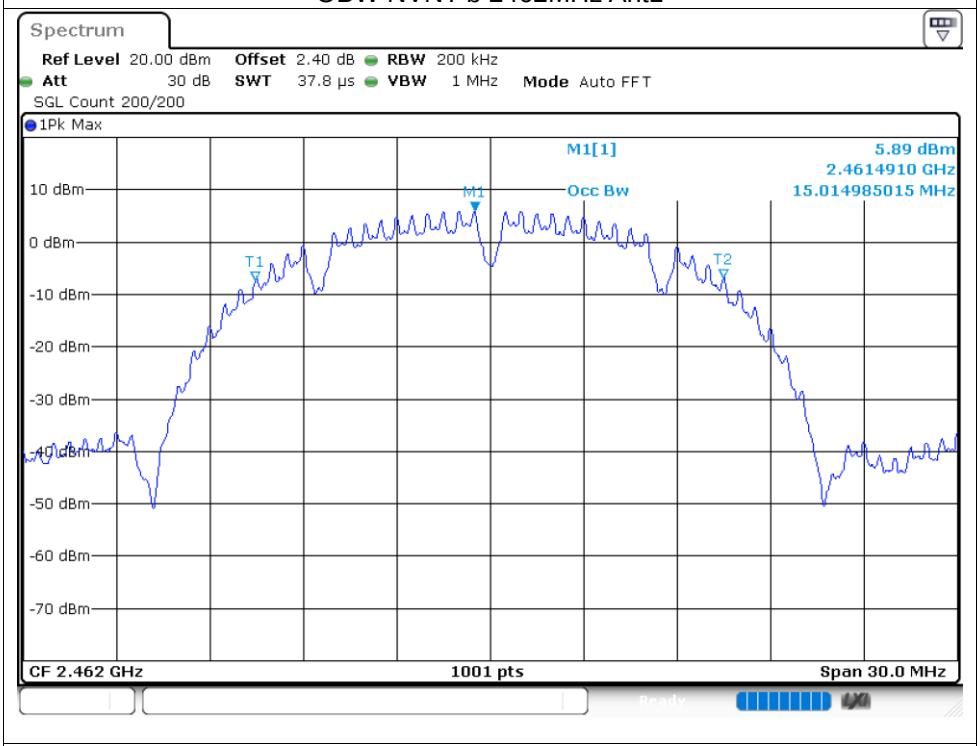
OBW NVNT b 2412MHz Ant1



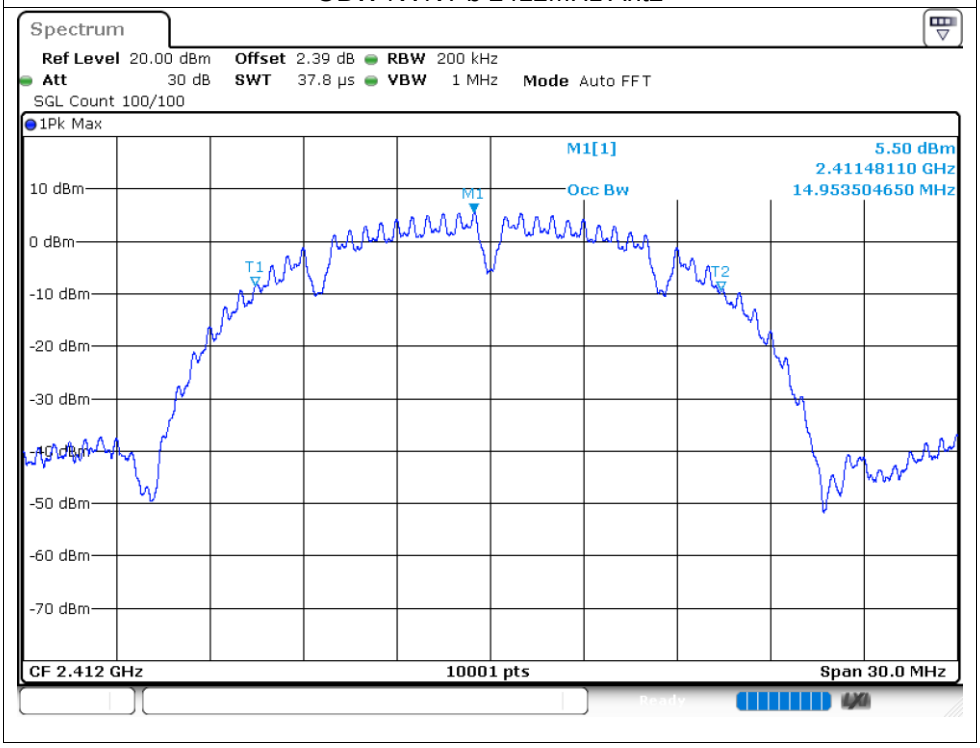
OBW NVNT b 2437MHz Ant1



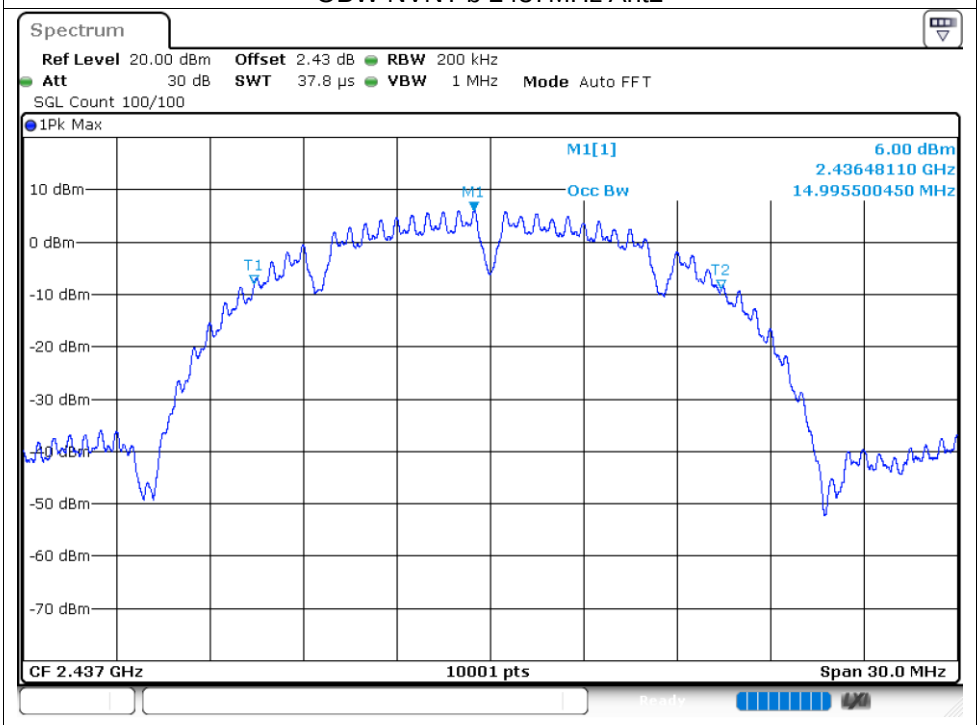
OBW NVNT b 2462MHz Ant1



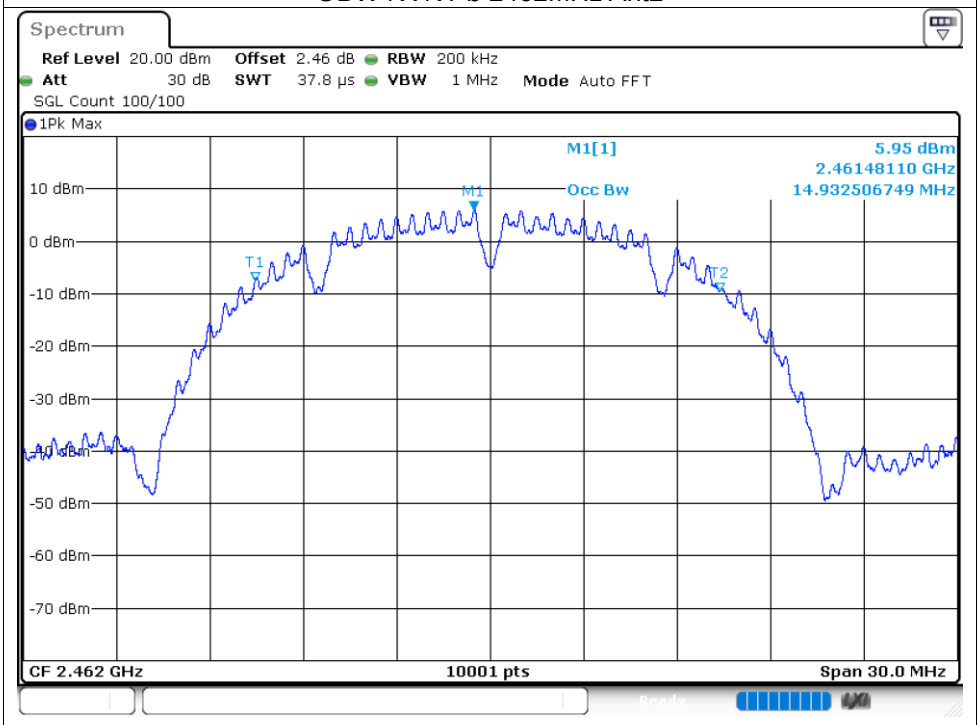
OBW NVNT b 2412MHz Ant2



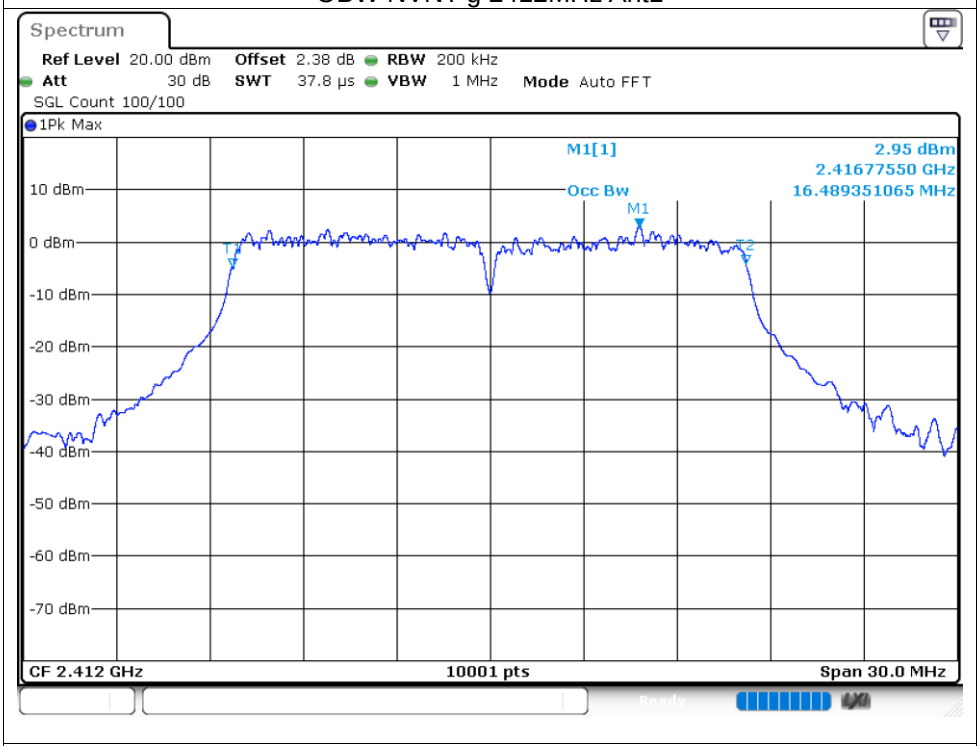
OBW NVNT b 2437MHz Ant2



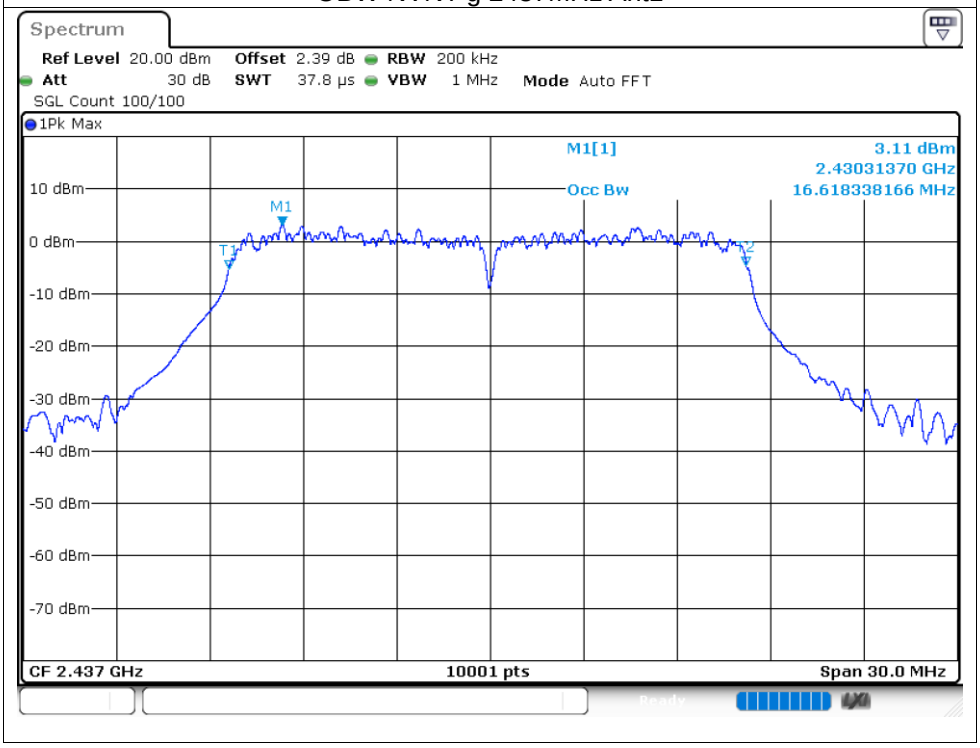
OBW NVNT b 2462MHz Ant2



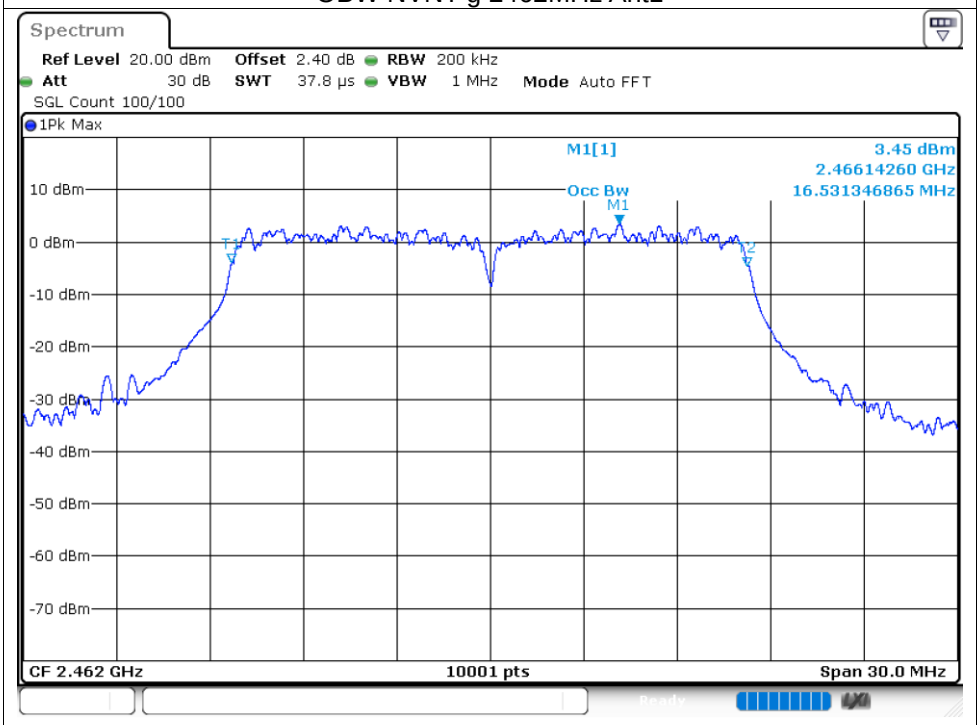
OBW NVNT g 2412MHz Ant1



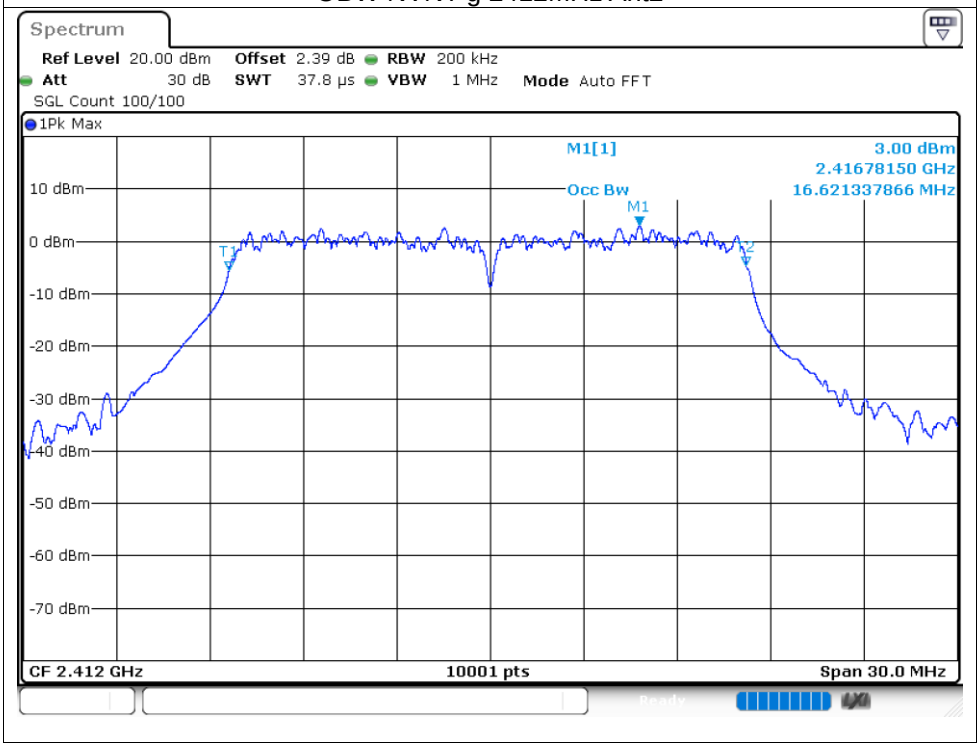
OBW NVNT g 2437MHz Ant1



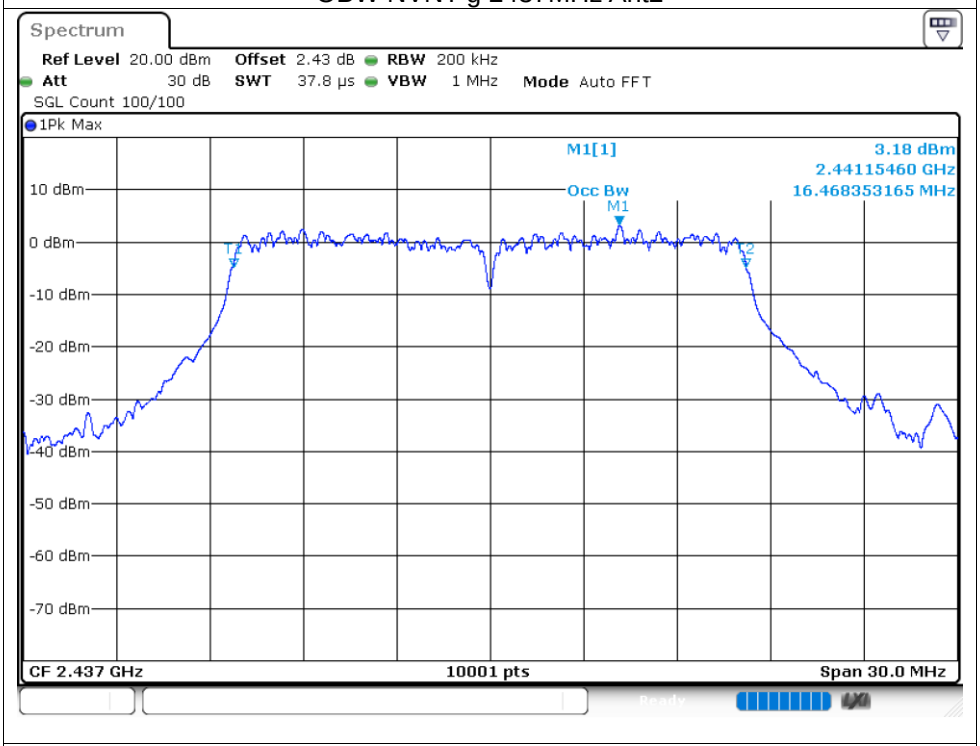
OBW NVNT g 2462MHz Ant1



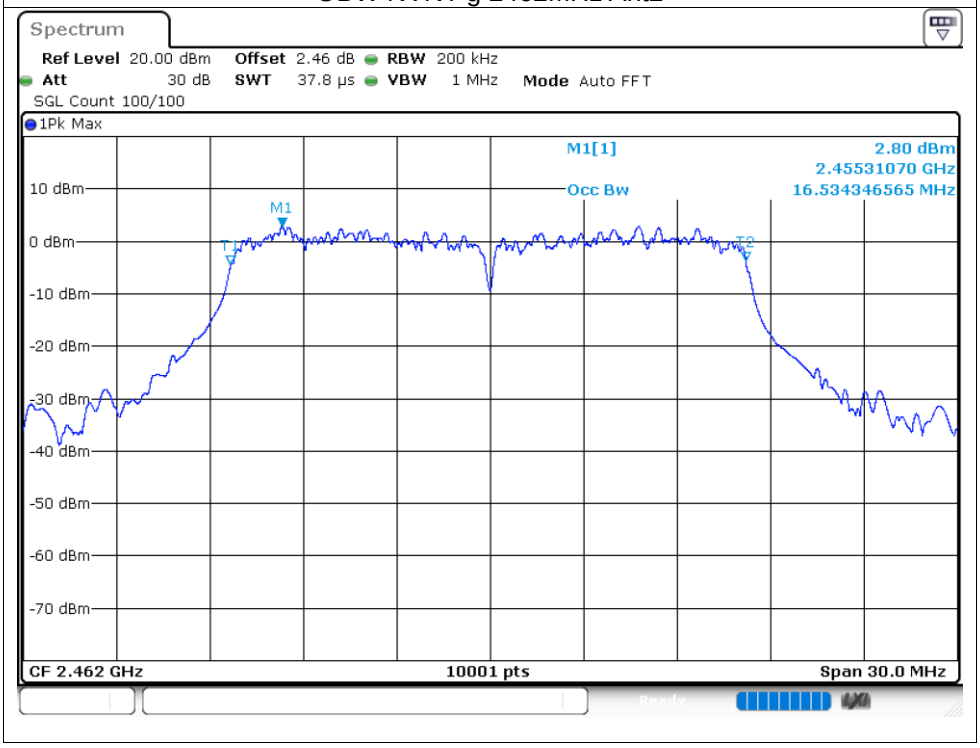
OBW NVNT g 2412MHz Ant2



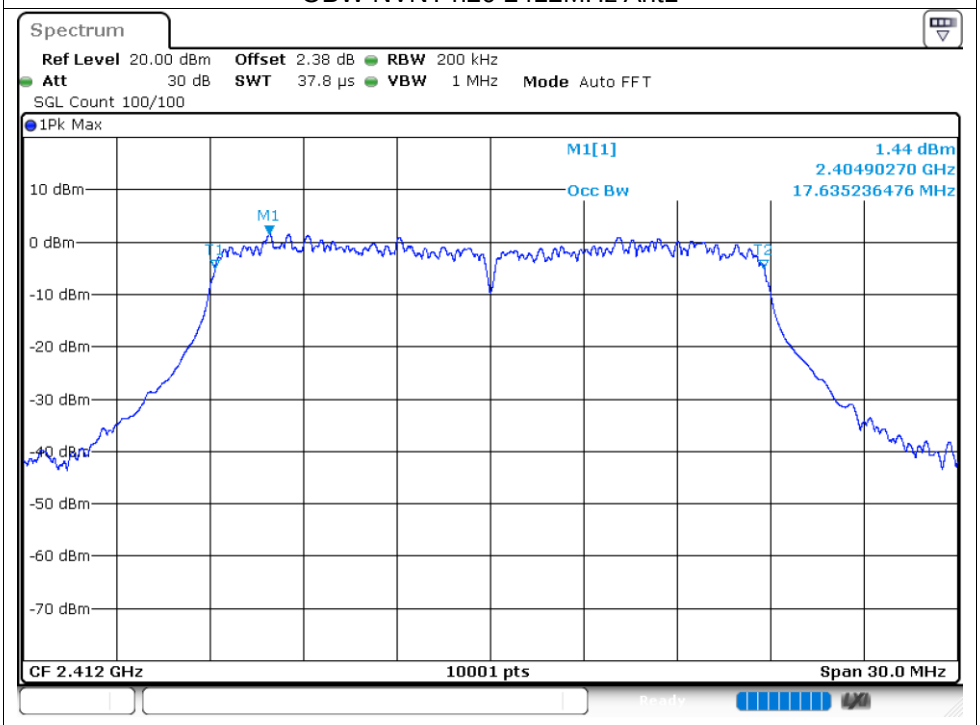
OBW NVNT g 2437MHz Ant2



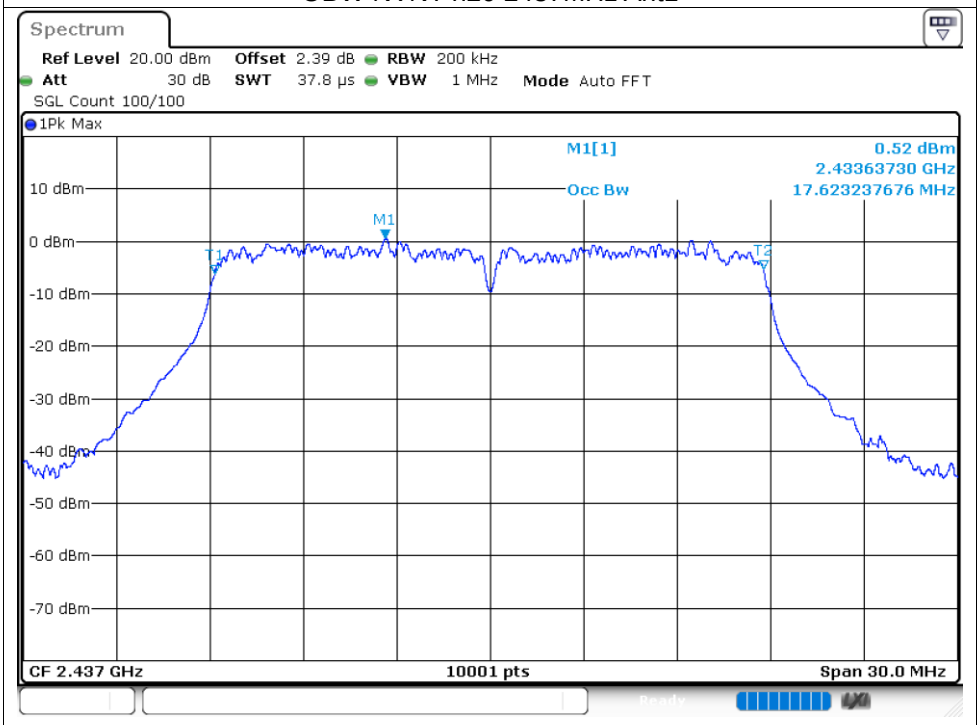
OBW NVNT g 2462MHz Ant2



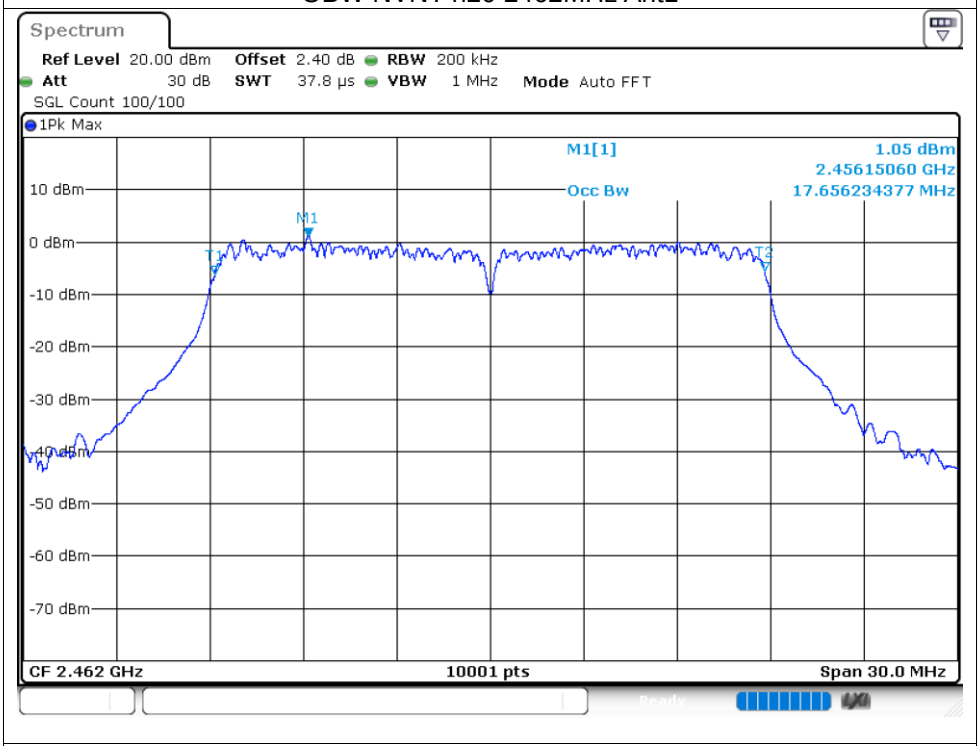
OBW NVNT n20 2412MHz Ant1



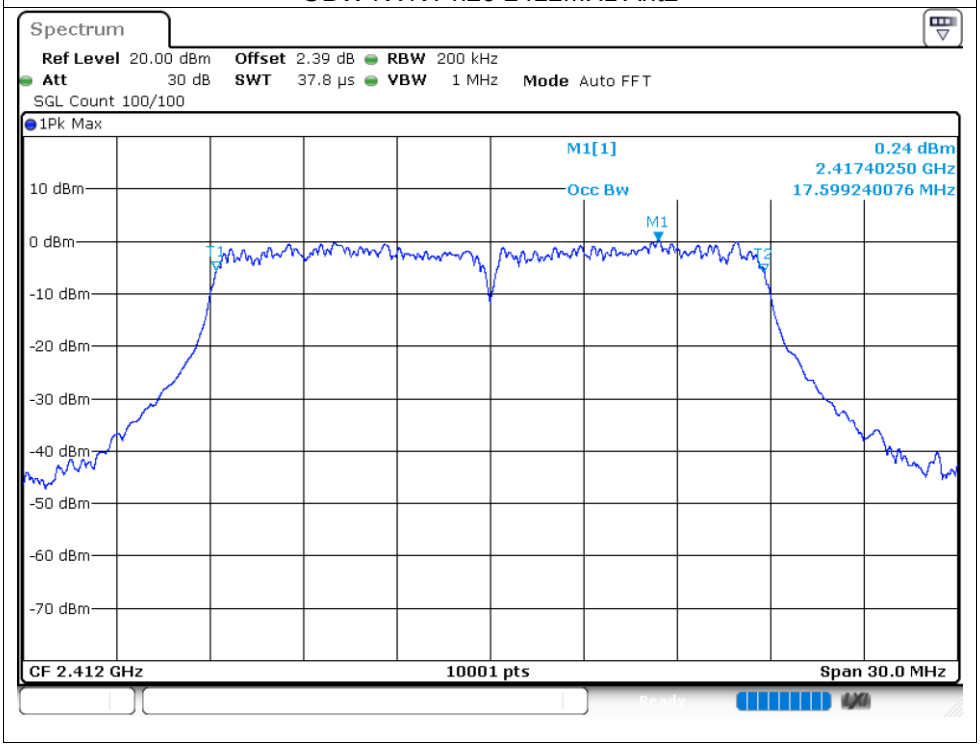
OBW NVNT n20 2437MHz Ant1



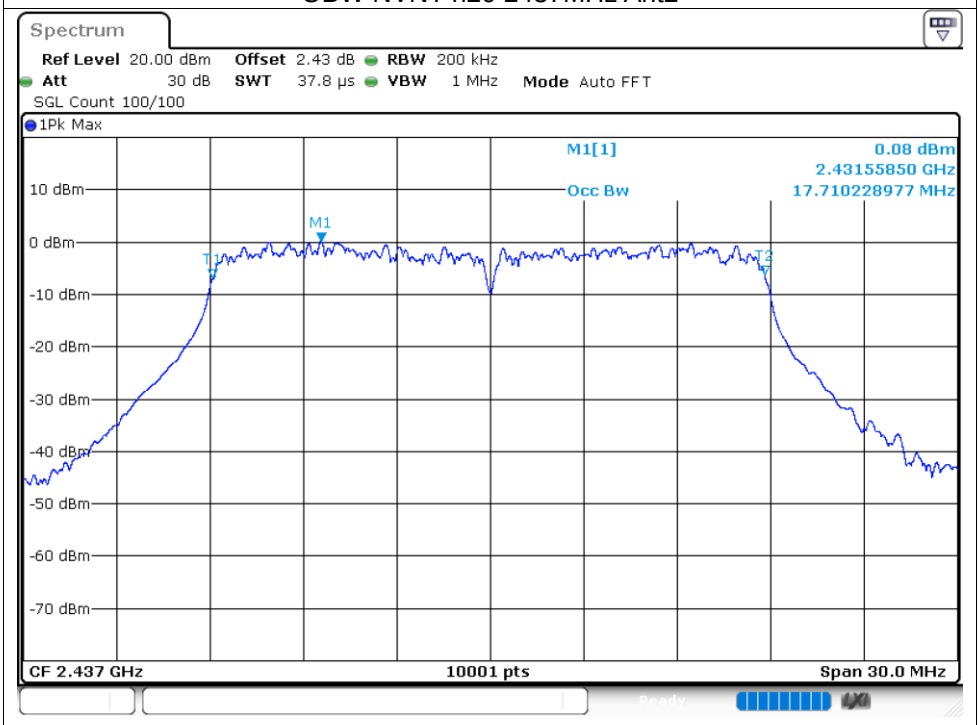
OBW NVNT n20 2462MHz Ant1



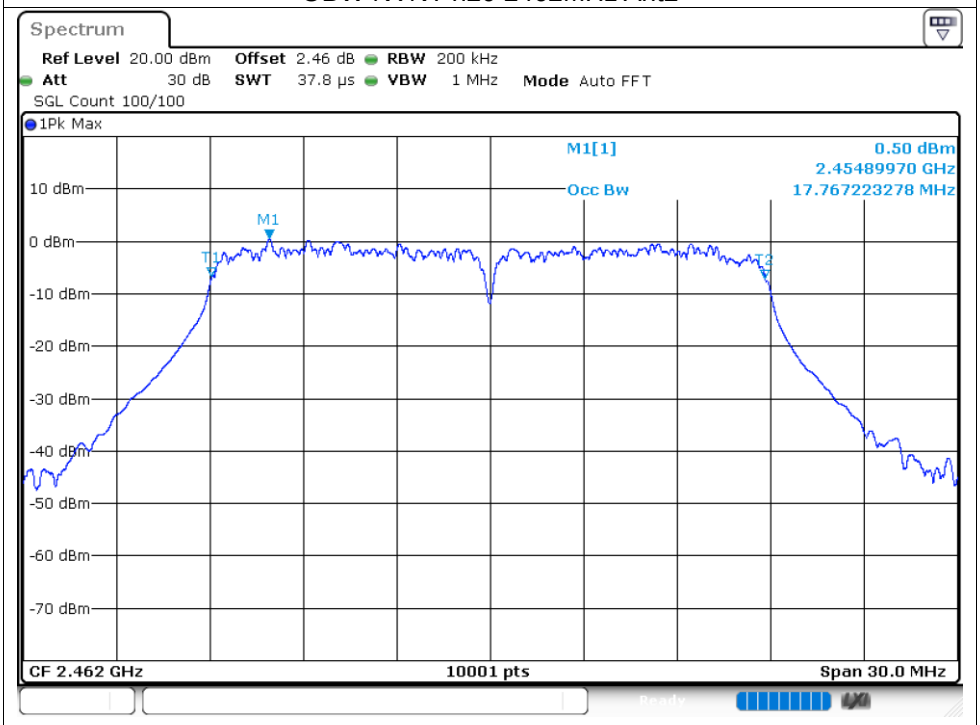
OBW NVNT n20 2412MHz Ant2



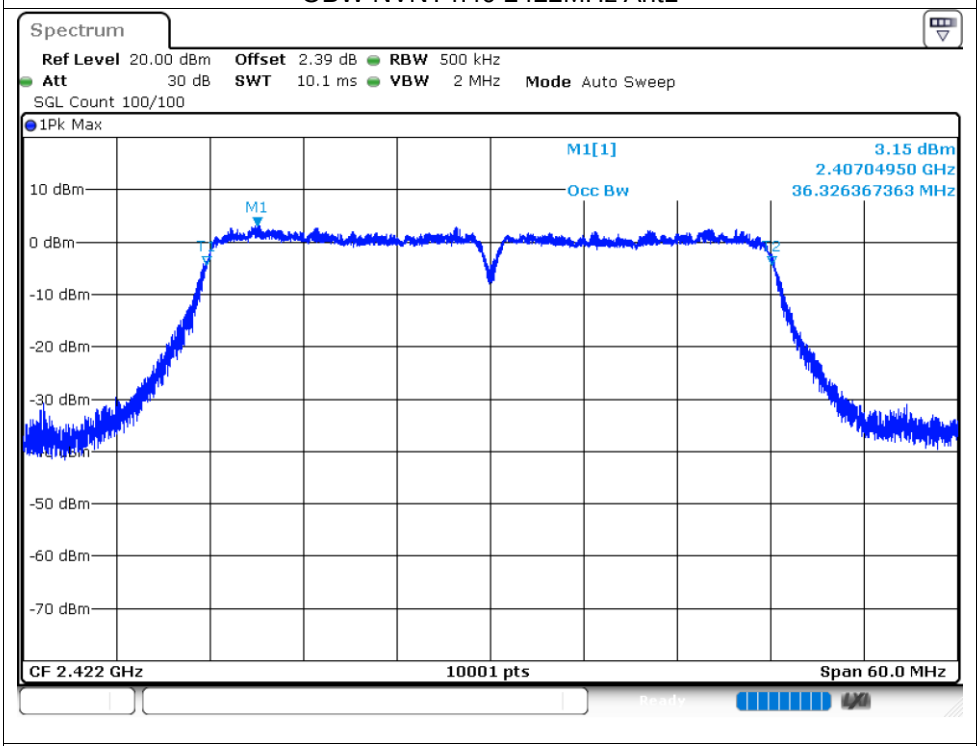
OBW NVNT n20 2437MHz Ant2



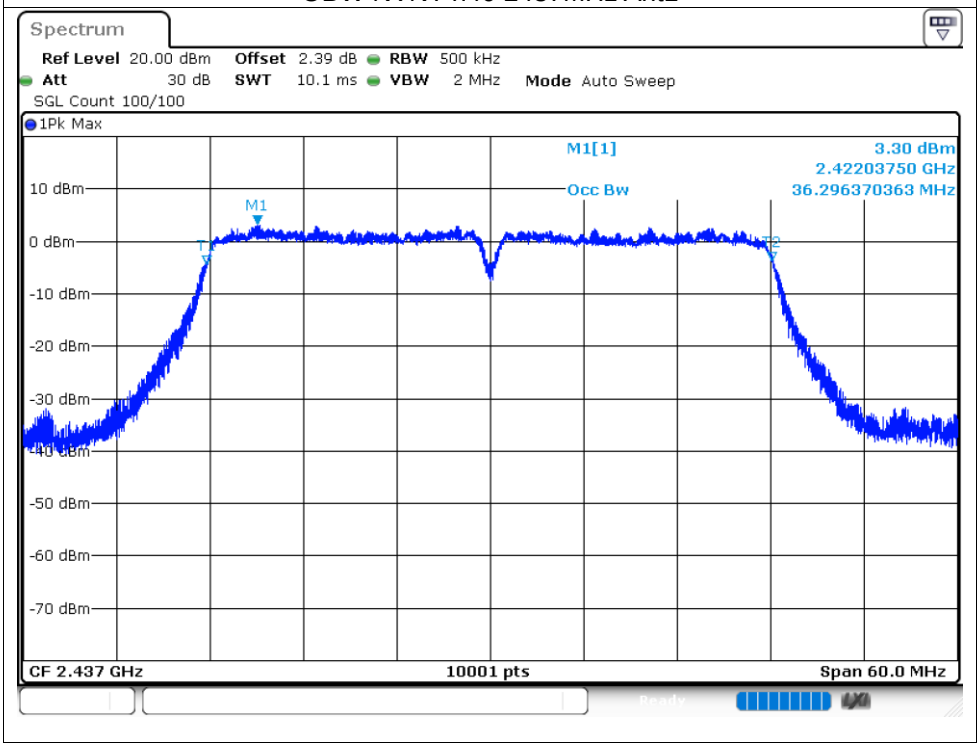
OBW NVNT n20 2462MHz Ant2



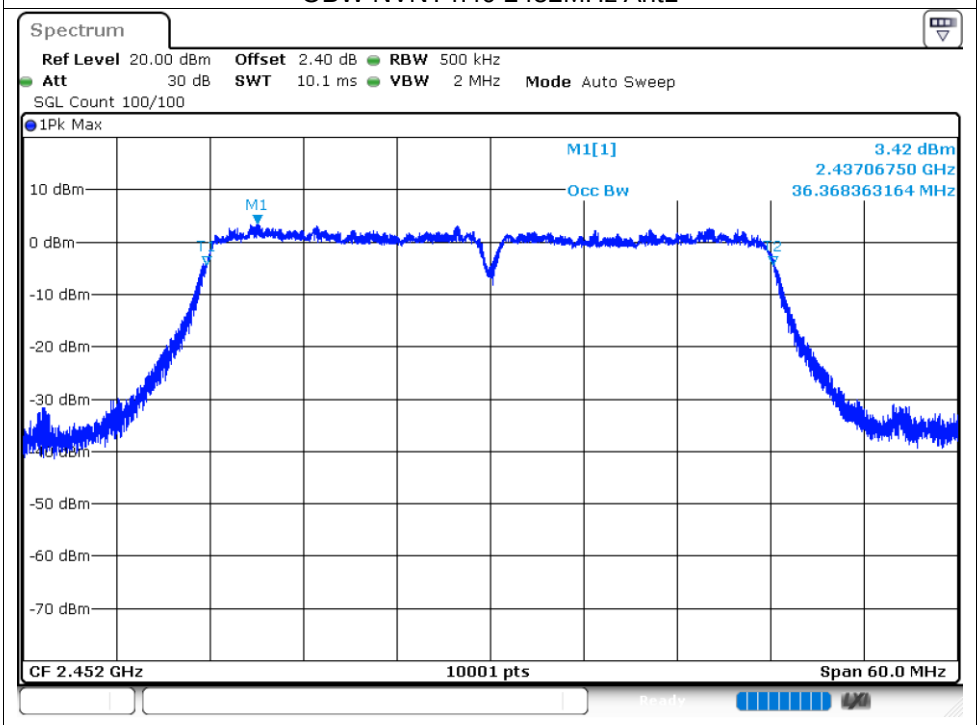
OBW NVNT n40 2422MHz Ant1



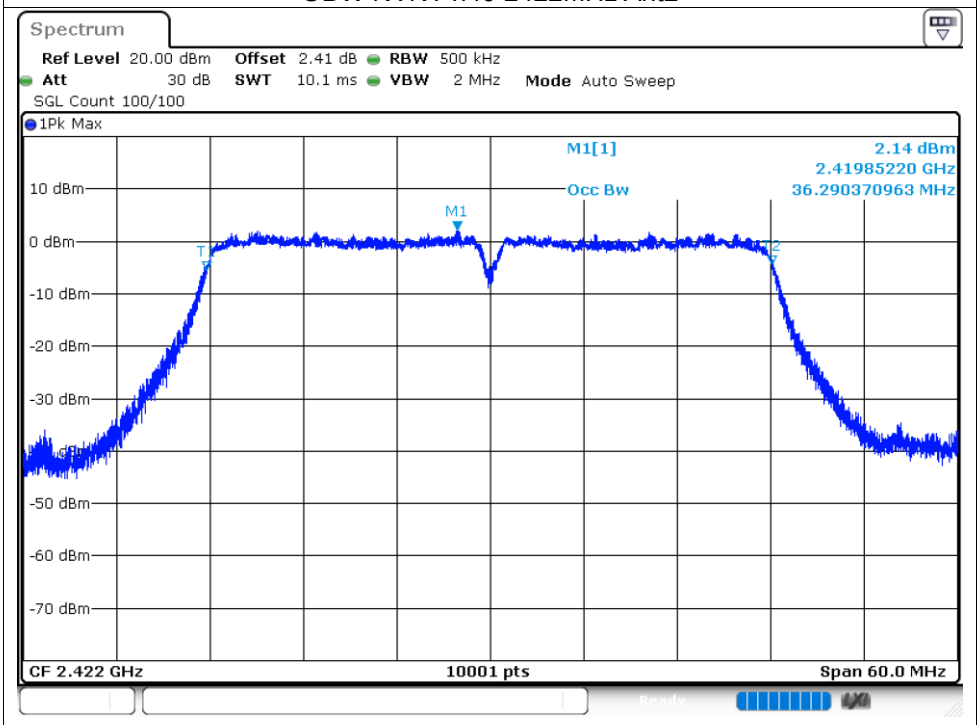
OBW NVNT n40 2437MHz Ant1



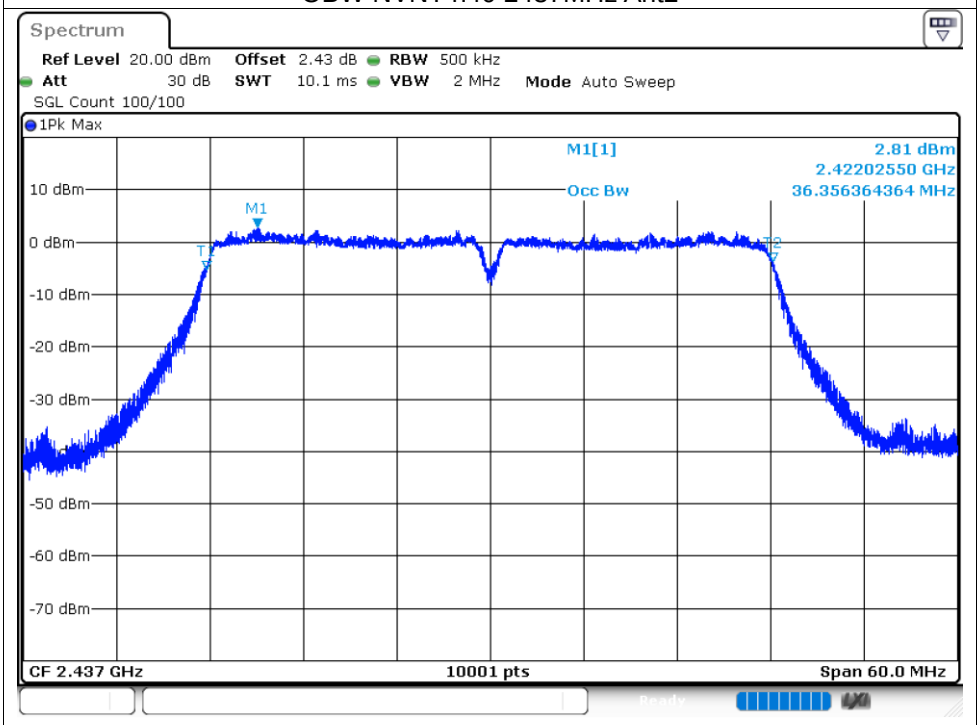
OBW NVNT n40 2452MHz Ant1



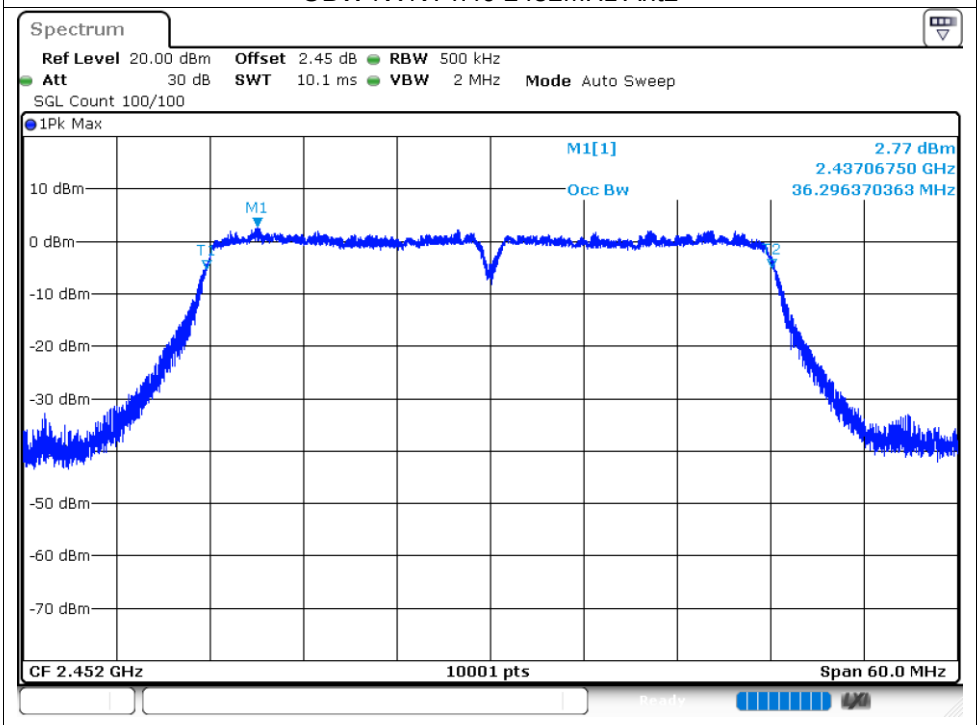
OBW NVNT n40 2422MHz Ant2



OBW NVNT n40 2437MHz Ant2



OBW NVNT n40 2452MHz Ant2

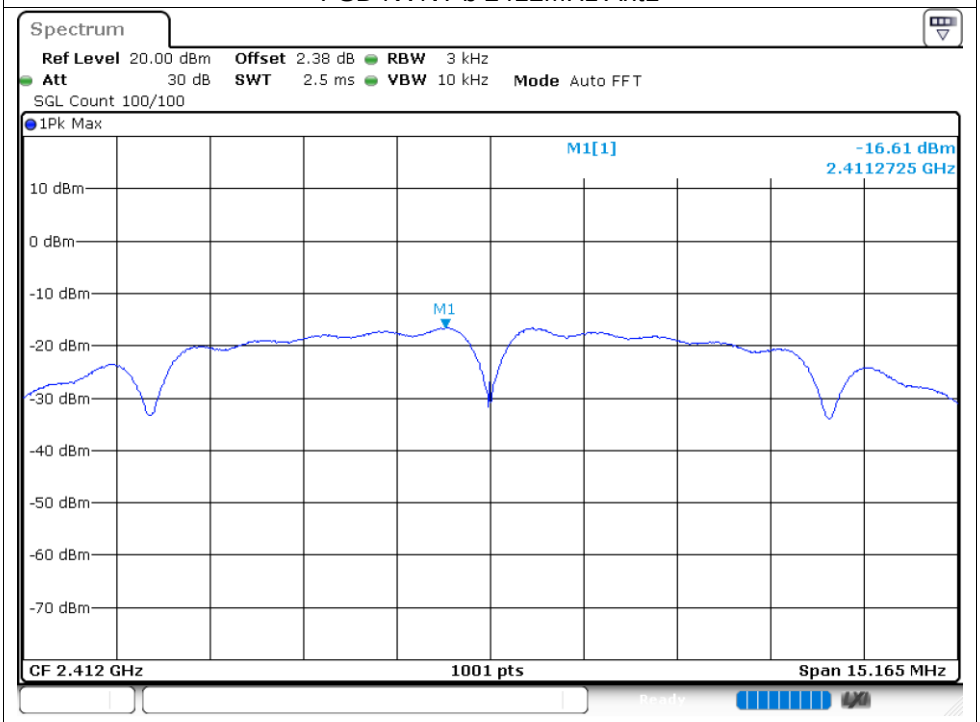


8.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

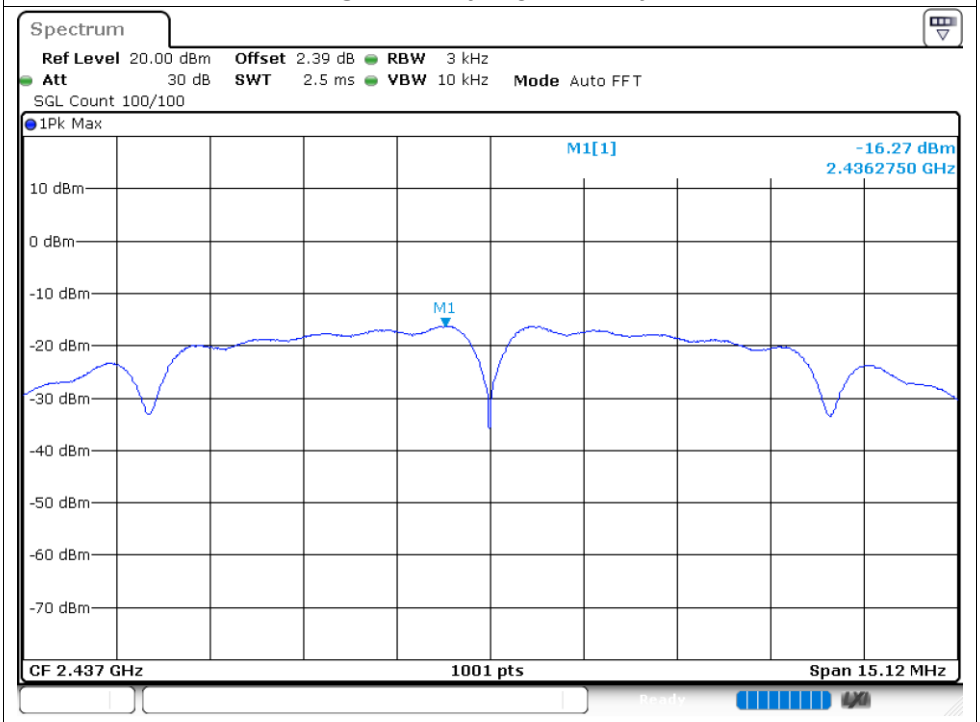
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-16.61	0	-16.61	8	Pass
NVNT	b	2437	Ant1	-16.27	0	-16.27	8	Pass
NVNT	b	2462	Ant1	-16.23	0	-16.23	8	Pass
NVNT	b	2412	Ant2	-16.62	0	-16.62	8	Pass
NVNT	b	2437	Ant2	-16.08	0	-16.08	8	Pass
NVNT	b	2462	Ant2	-16.11	0	-16.11	8	Pass
NVNT	g	2412	Ant1	-14.97	0	-14.97	8	Pass
NVNT	g	2437	Ant1	-14.49	0	-14.49	8	Pass
NVNT	g	2462	Ant1	-14.62	0	-14.62	8	Pass
NVNT	g	2412	Ant2	-15.13	0	-15.13	8	Pass
NVNT	g	2437	Ant2	-15.33	0	-15.33	8	Pass
NVNT	g	2462	Ant2	-15	0	-15	8	Pass
NVNT	n20	2412	Ant1	-14.93	0	-14.93	8	Pass
NVNT	n20	2437	Ant1	-15.44	0	-15.44	8	Pass
NVNT	n20	2462	Ant1	-15.24	0	-15.24	8	Pass
NVNT	n20	2412	Ant2	-15.63	0	-15.63	8	Pass
NVNT	n20	2437	Ant2	-15.57	0	-15.57	8	Pass
NVNT	n20	2462	Ant2	-16.19	0	-16.19	8	Pass
NVNT	n40	2422	Ant1	-16.84	0	-16.84	8	Pass
NVNT	n40	2437	Ant1	-17.79	0	-17.79	8	Pass
NVNT	n40	2452	Ant1	-16.91	0	-16.91	8	Pass
NVNT	n40	2422	Ant2	-17.47	0	-17.47	8	Pass
NVNT	n40	2437	Ant2	-18.36	0	-18.36	8	Pass
NVNT	n40	2452	Ant2	-16.65	0	-16.65	8	Pass

Test Graphs

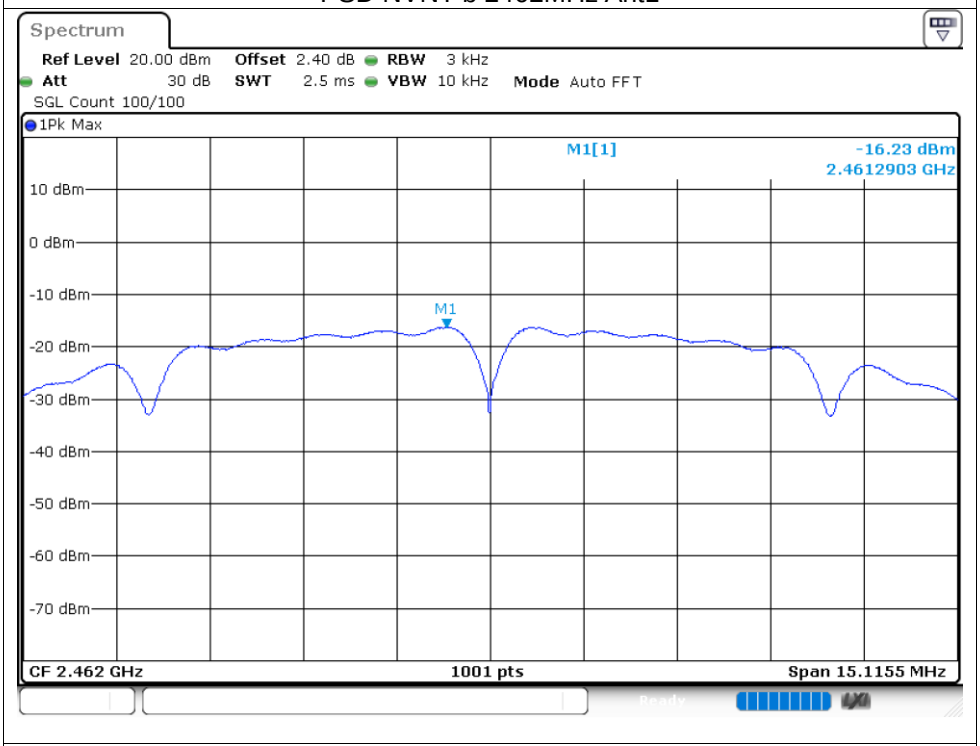
PSD NVNT b 2412MHz Ant1



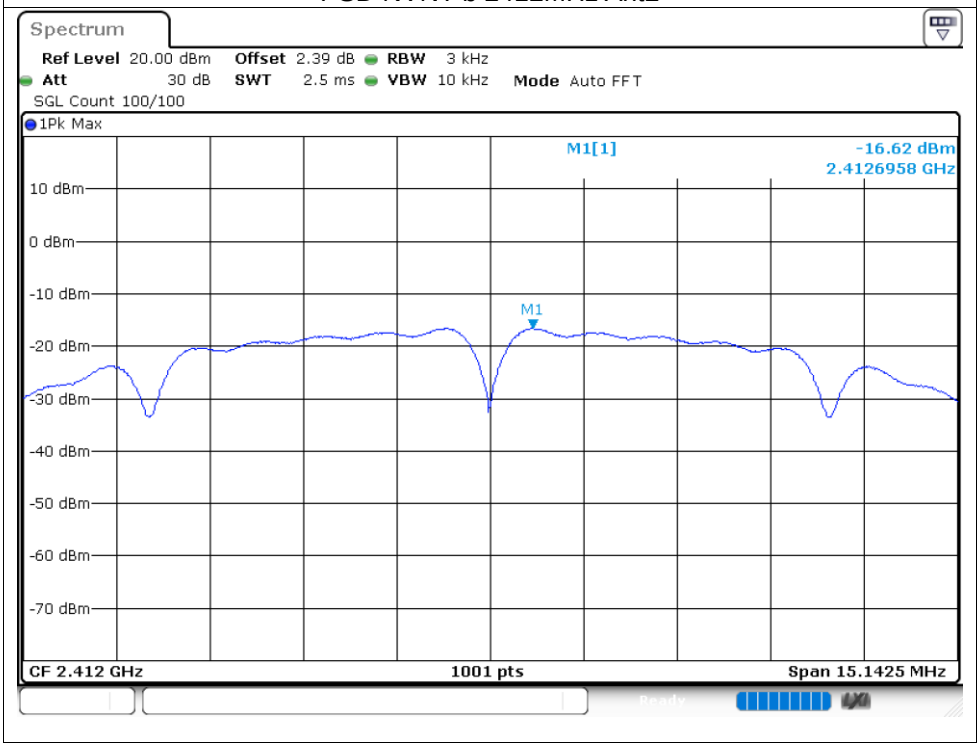
PSD NVNT b 2437MHz Ant1



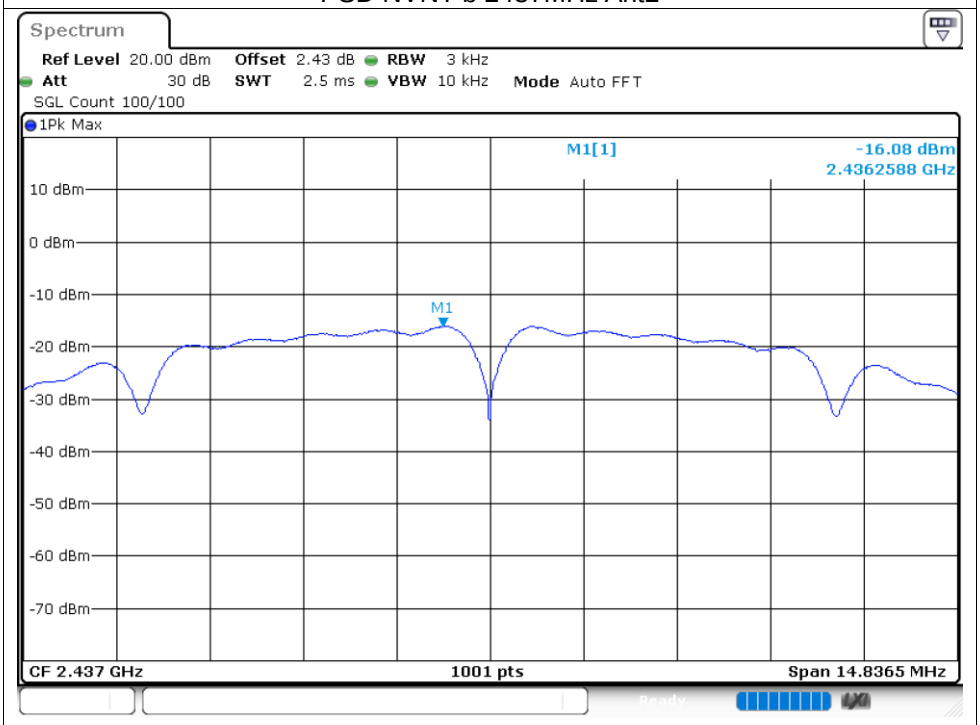
PSD NVNT b 2462MHz Ant1



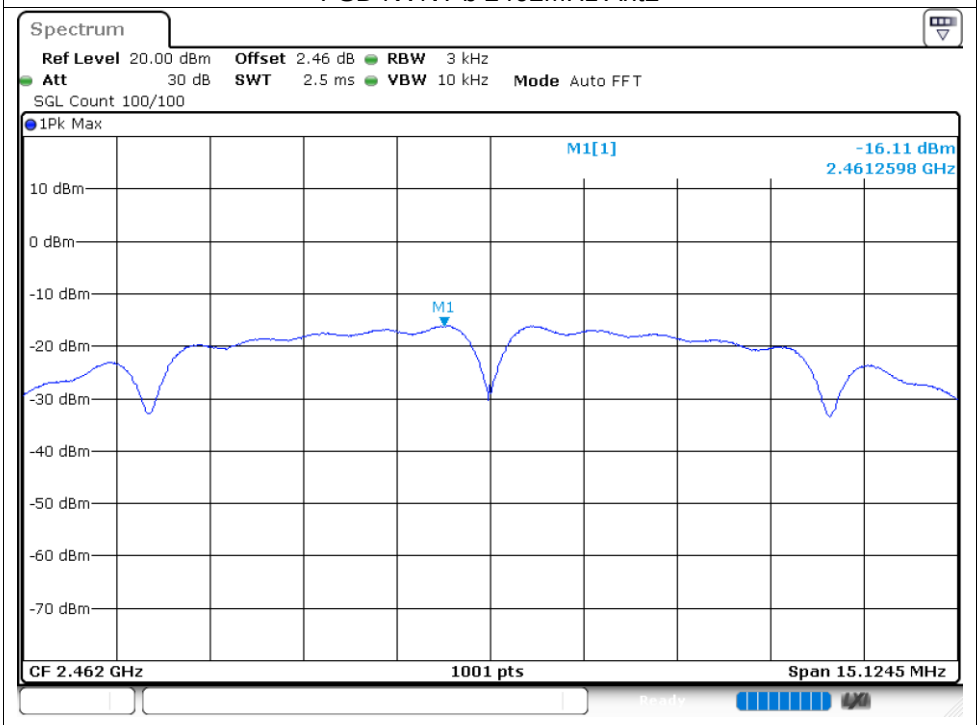
PSD NVNT b 2412MHz Ant2



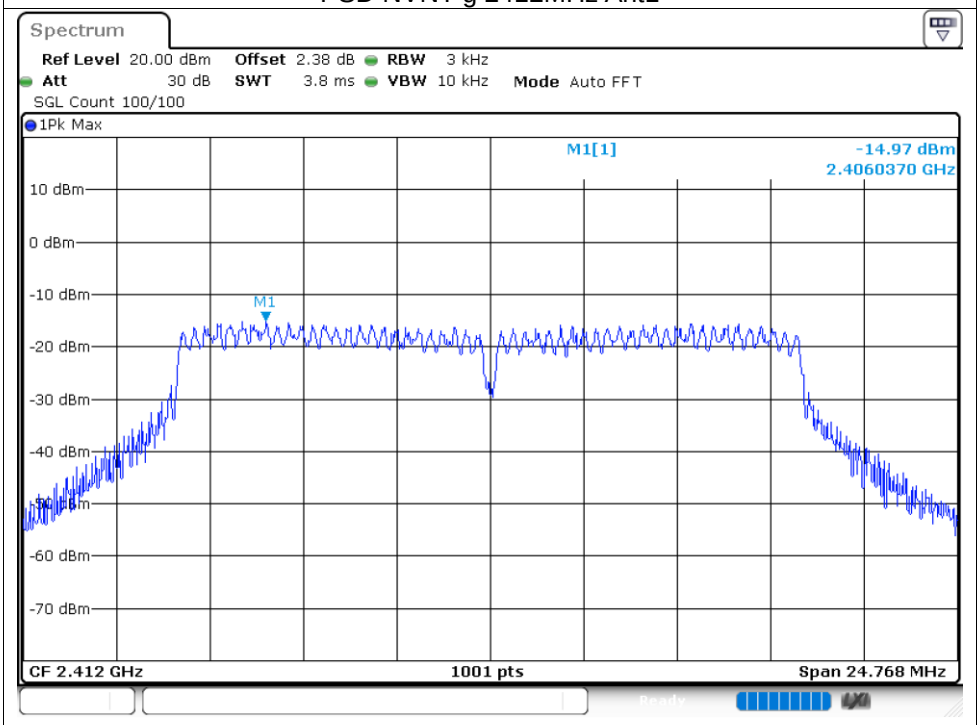
PSD NVNT b 2437MHz Ant2



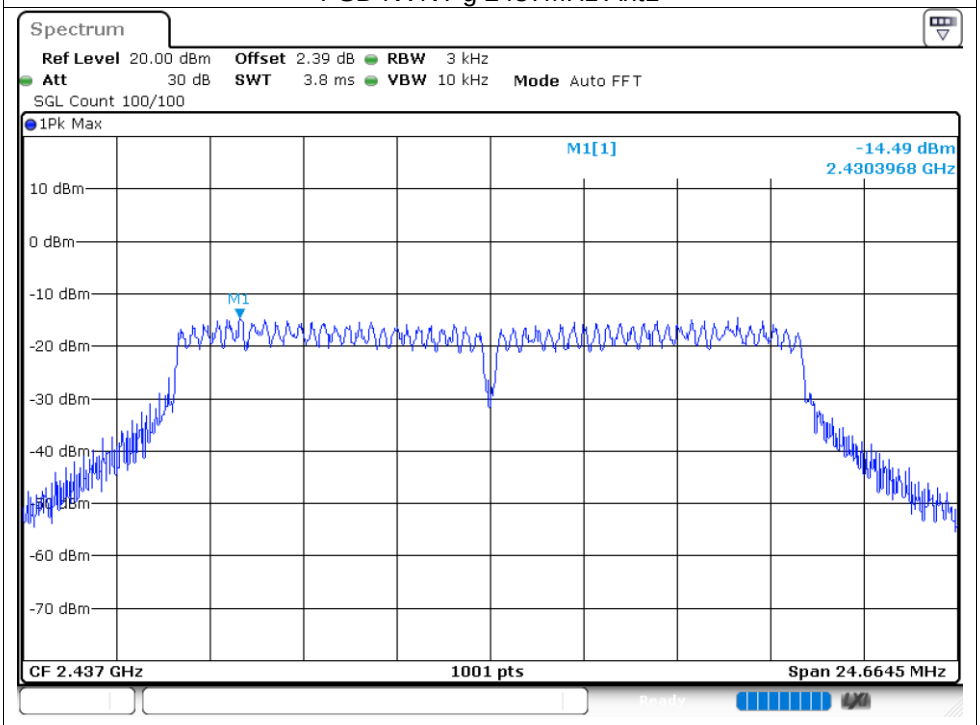
PSD NVNT b 2462MHz Ant2



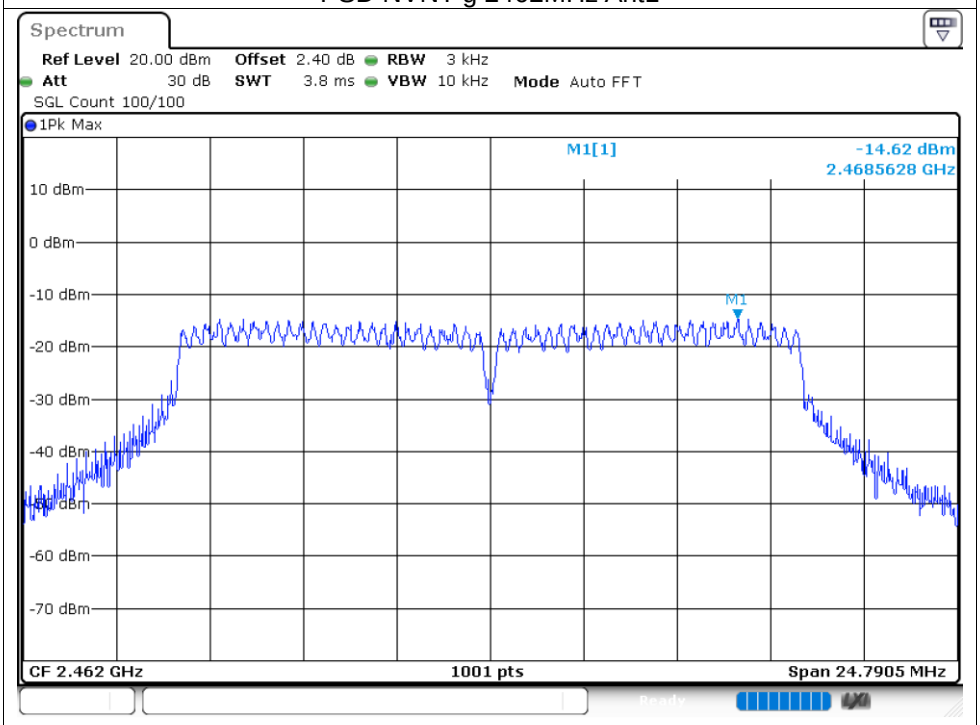
PSD NVNT g 2412MHz Ant1



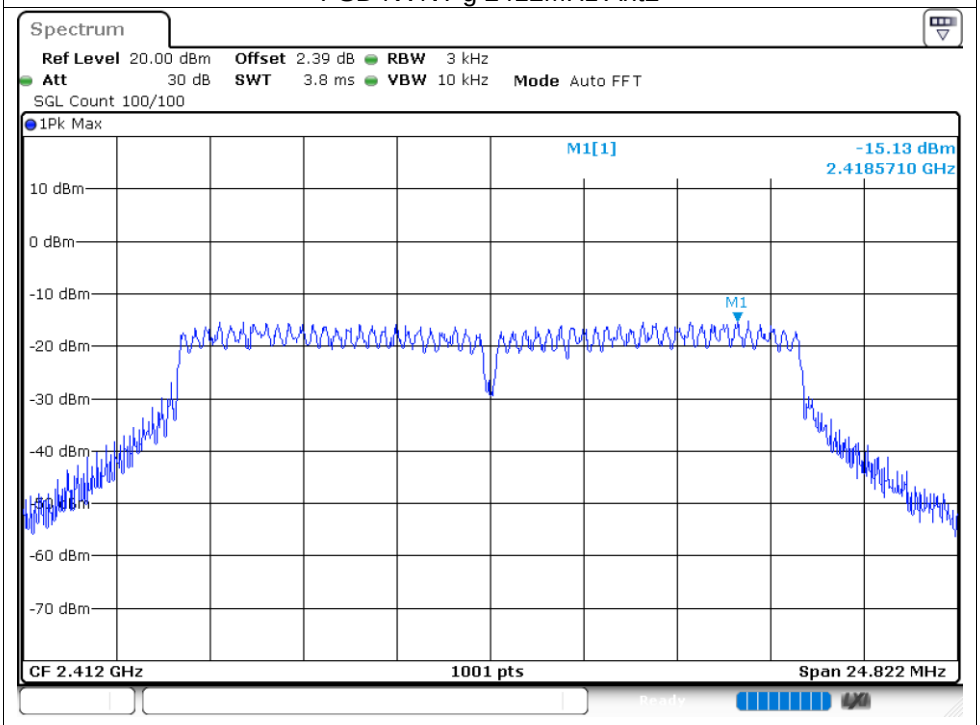
PSD NVNT g 2437MHz Ant1



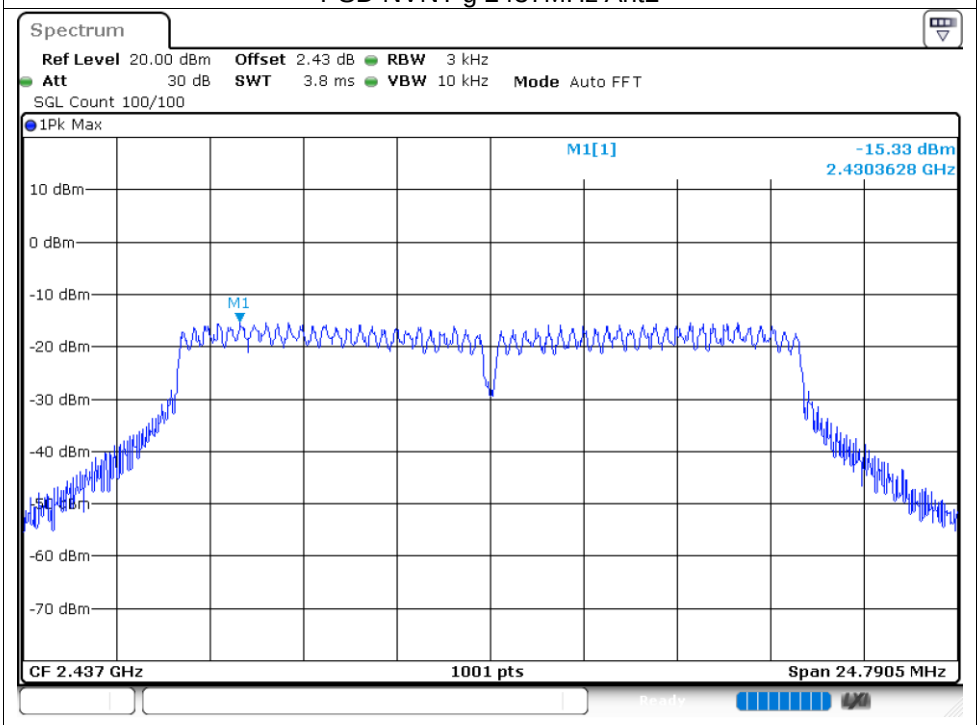
PSD NVNT g 2462MHz Ant1



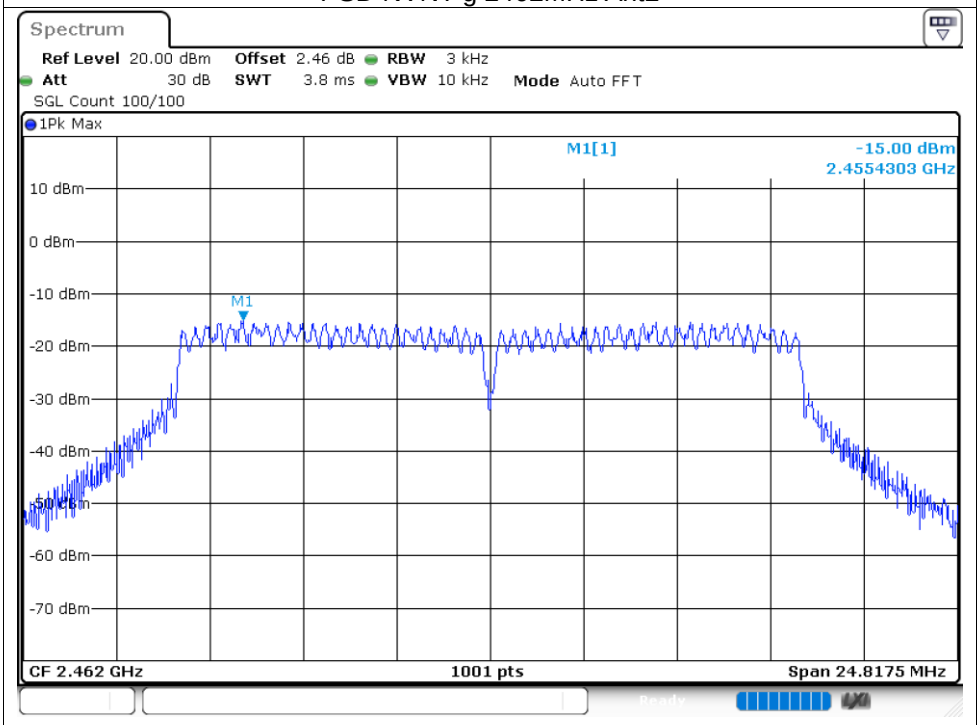
PSD NVNT g 2412MHz Ant2



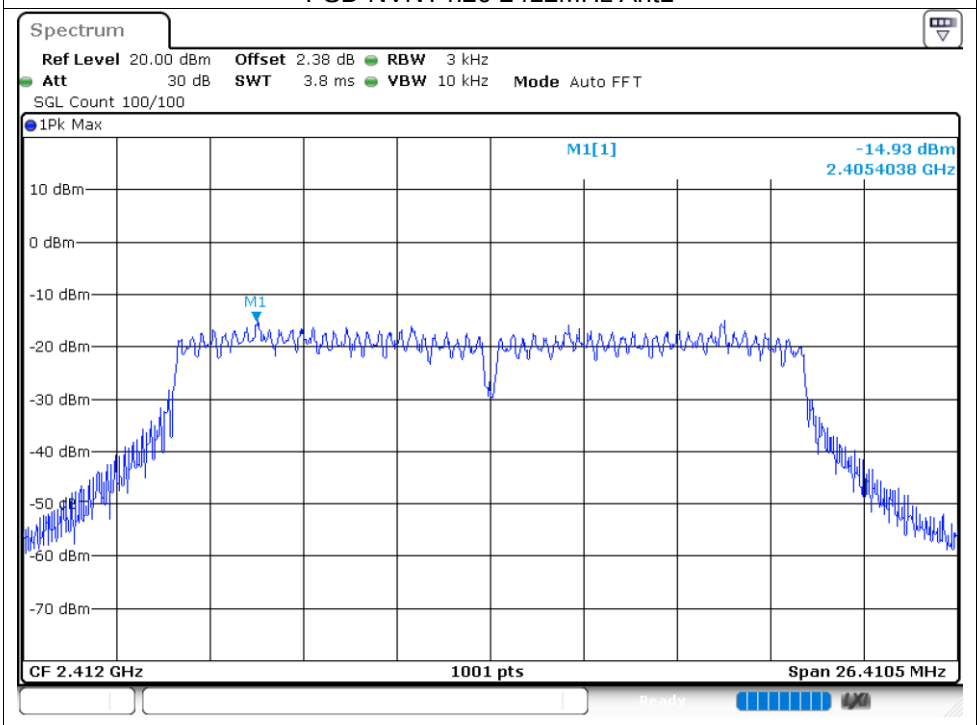
PSD NVNT g 2437MHz Ant2



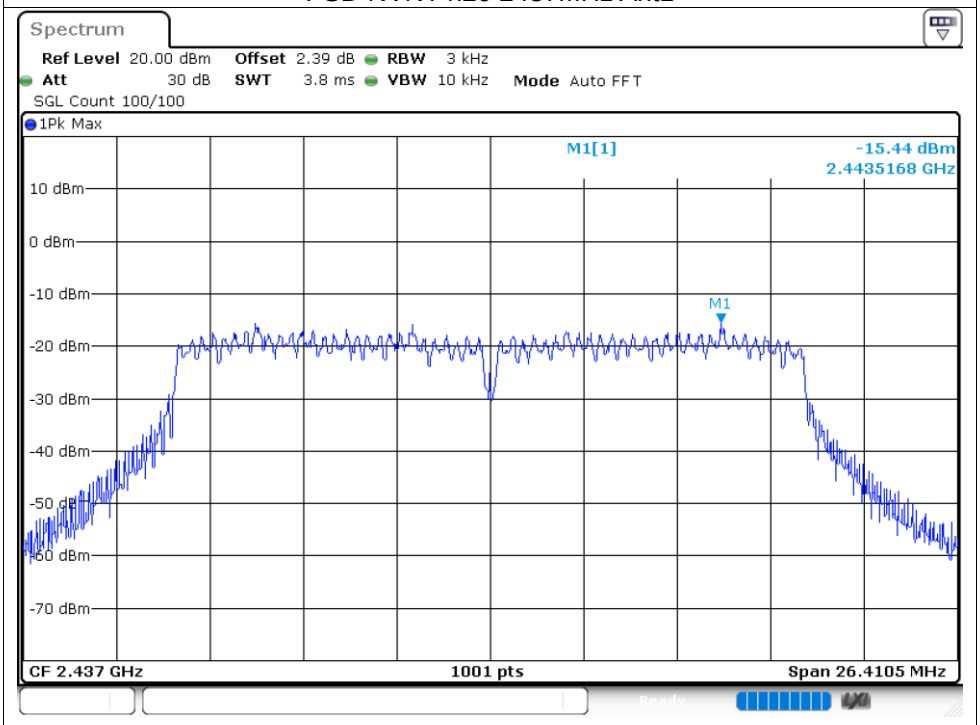
PSD NVNT g 2462MHz Ant2



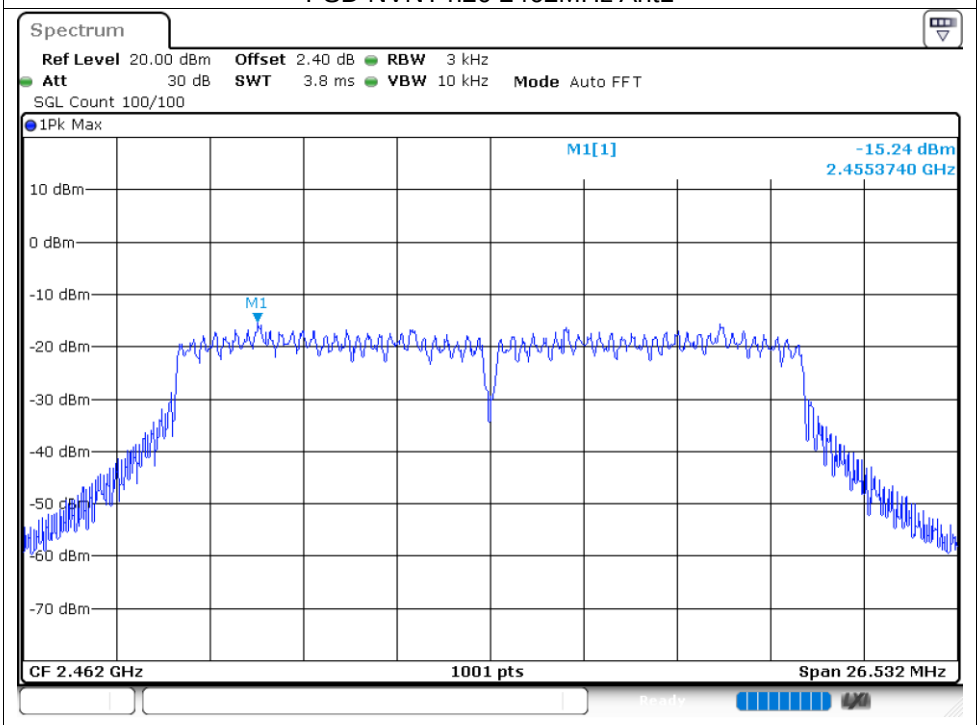
PSD NVNT n20 2412MHz Ant1



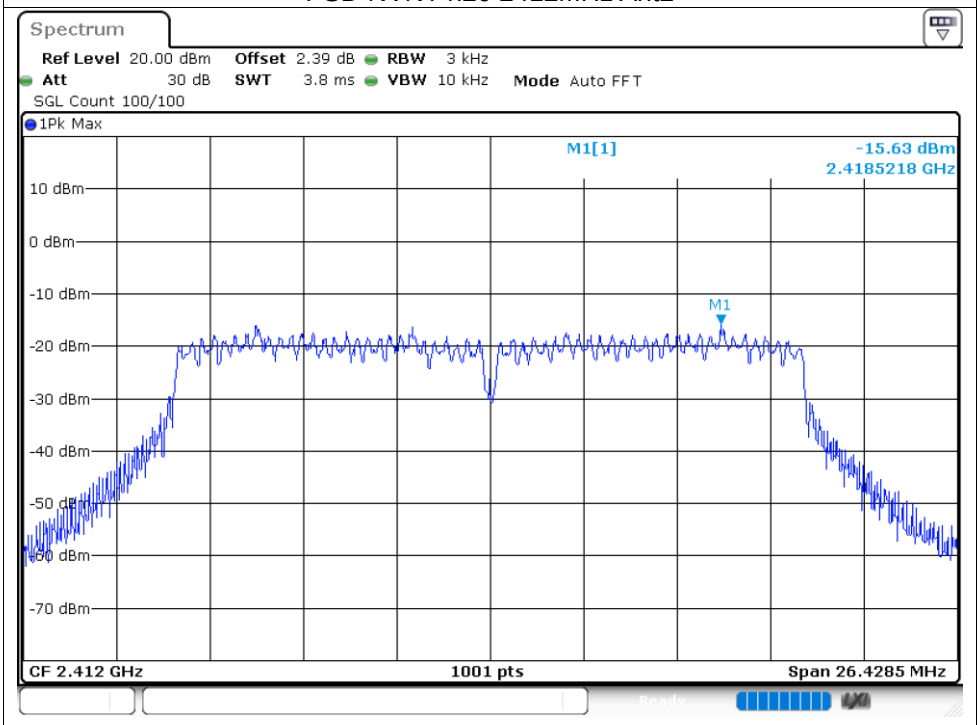
PSD NVNT n20 2437MHz Ant1



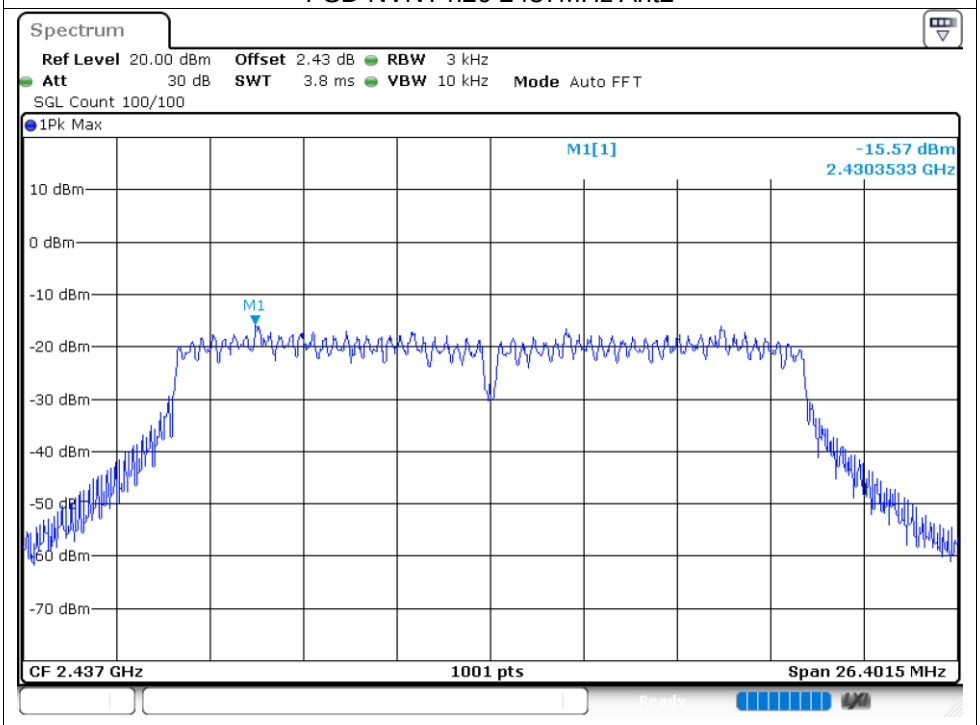
PSD NVNT n20 2462MHz Ant1



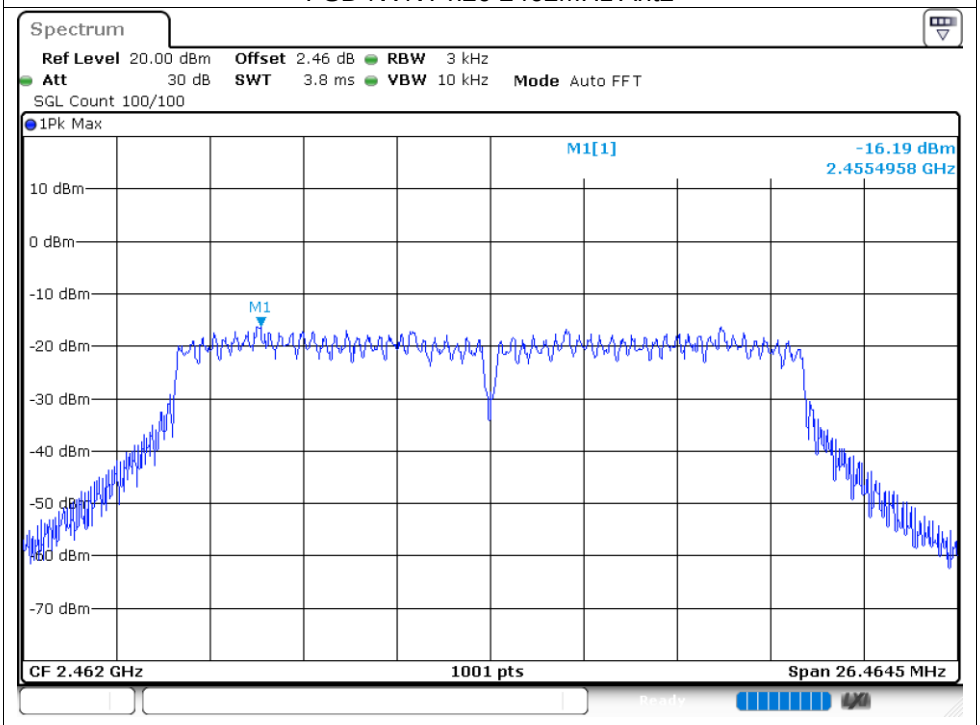
PSD NVNT n20 2412MHz Ant2



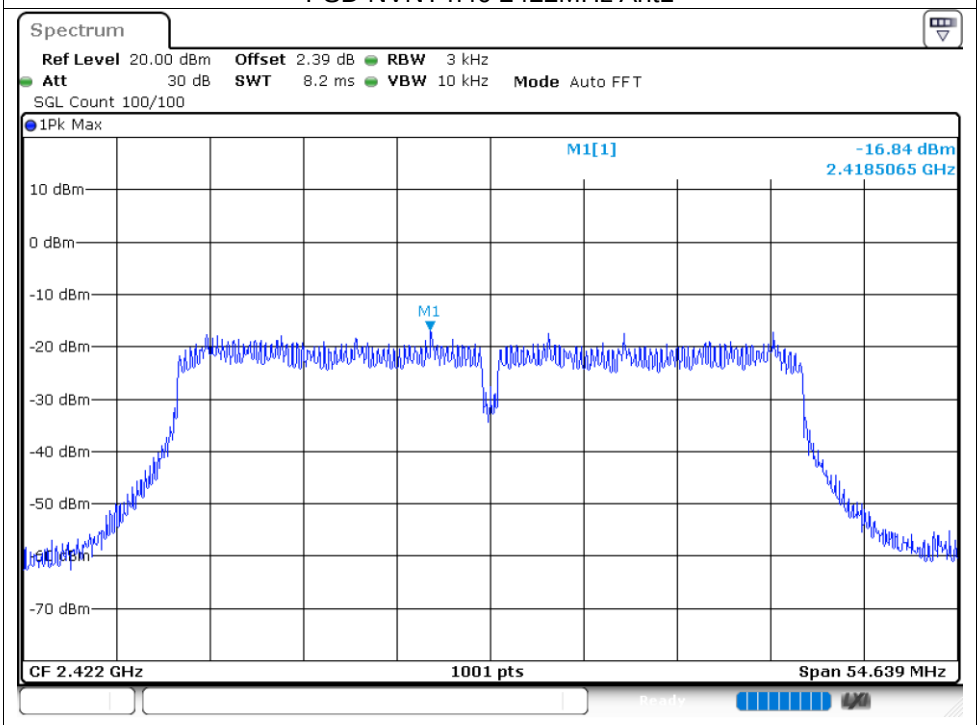
PSD NVNT n20 2437MHz Ant2



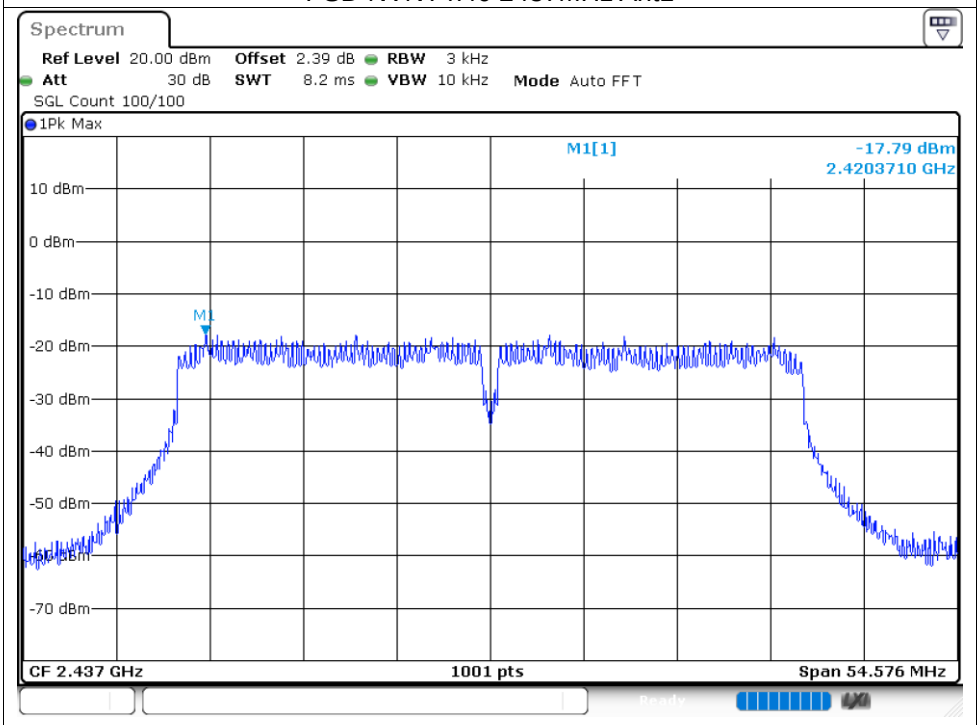
PSD NVNT n20 2462MHz Ant2



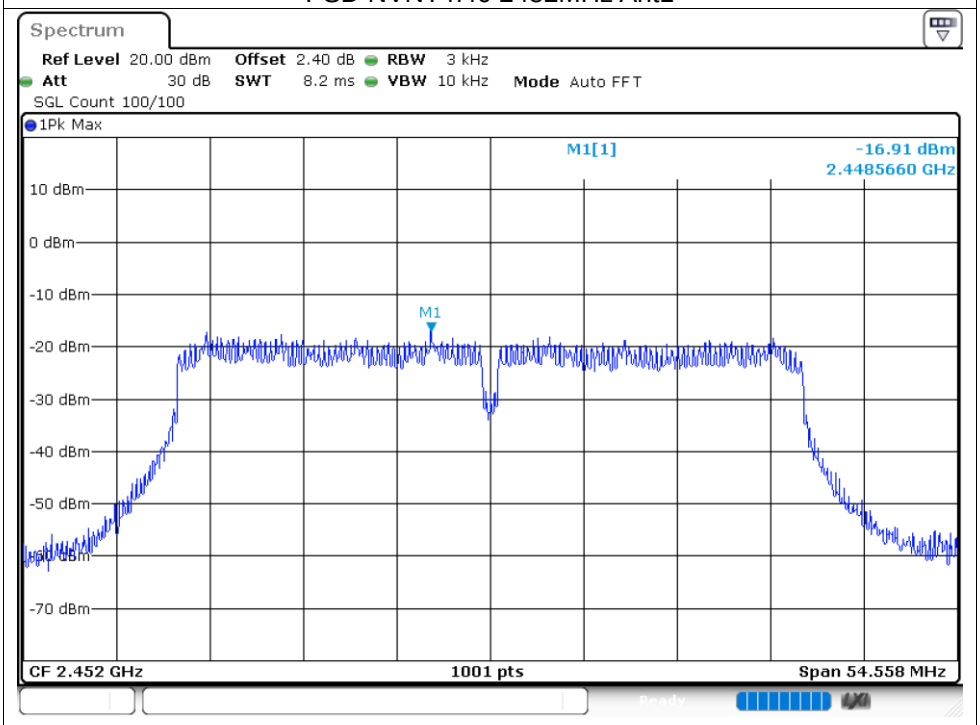
PSD NVNT n40 2422MHz Ant1



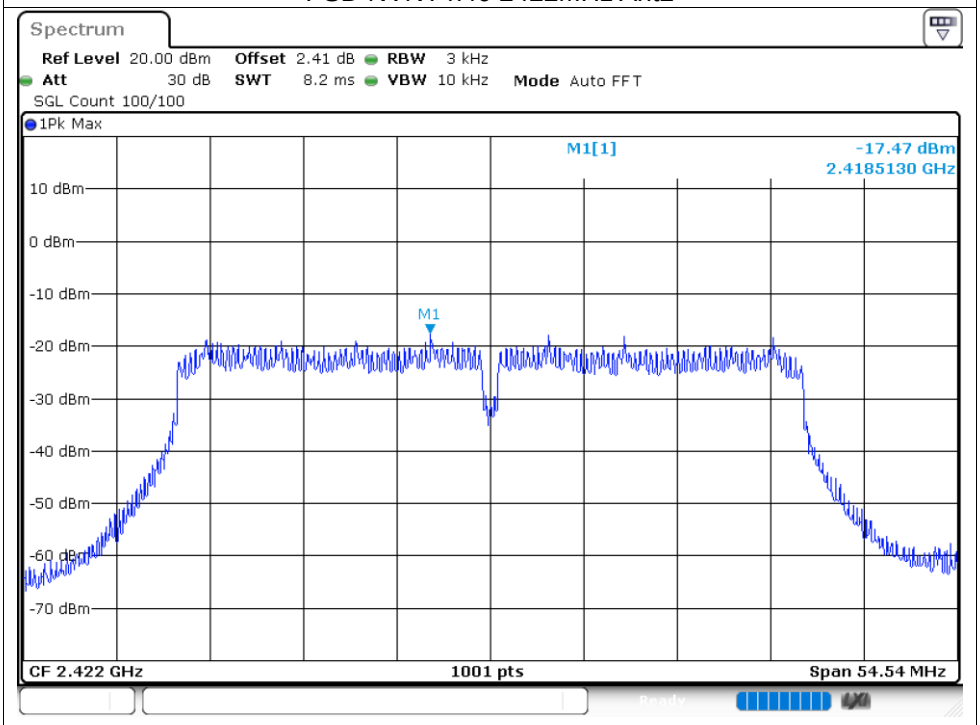
PSD NVNT n40 2437MHz Ant1



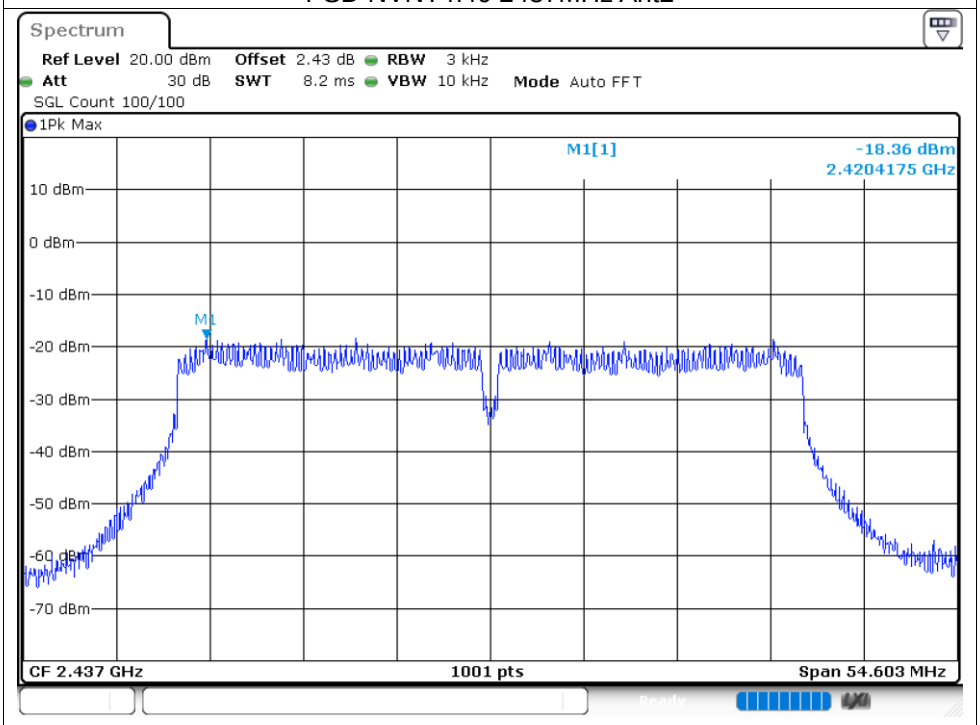
PSD NVNT n40 2452MHz Ant1



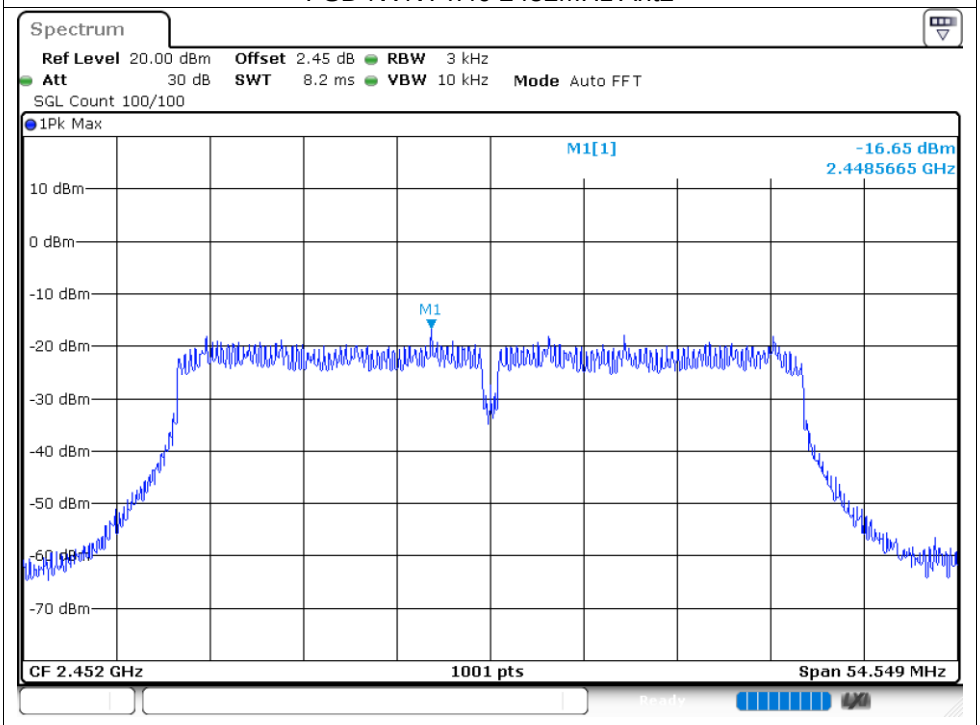
PSD NVNT n40 2422MHz Ant2



PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant2

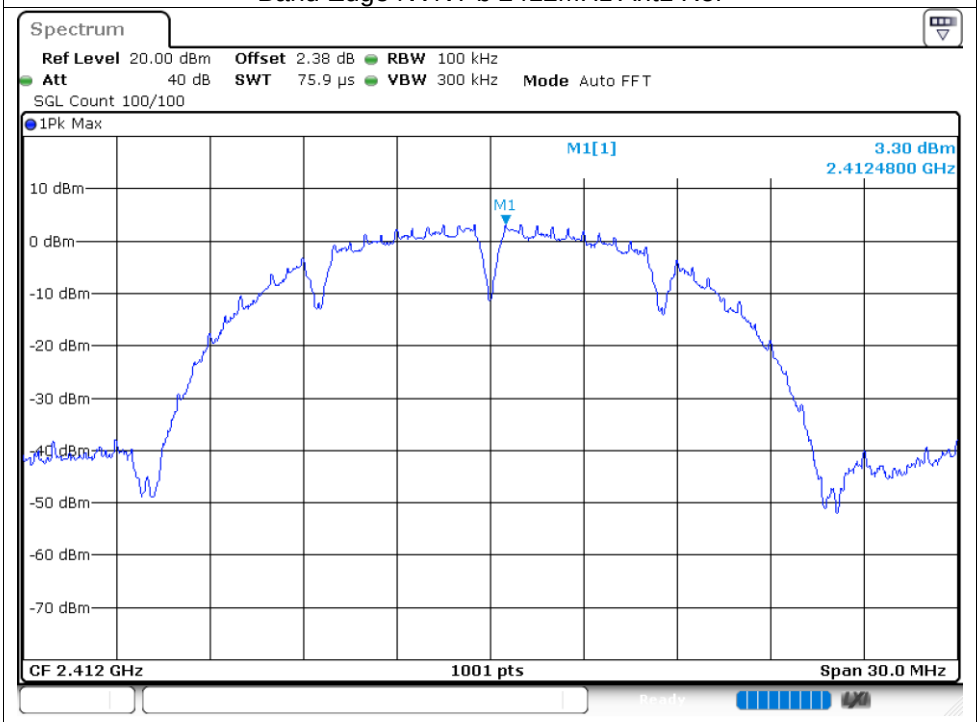


8.6 BAND EDGE

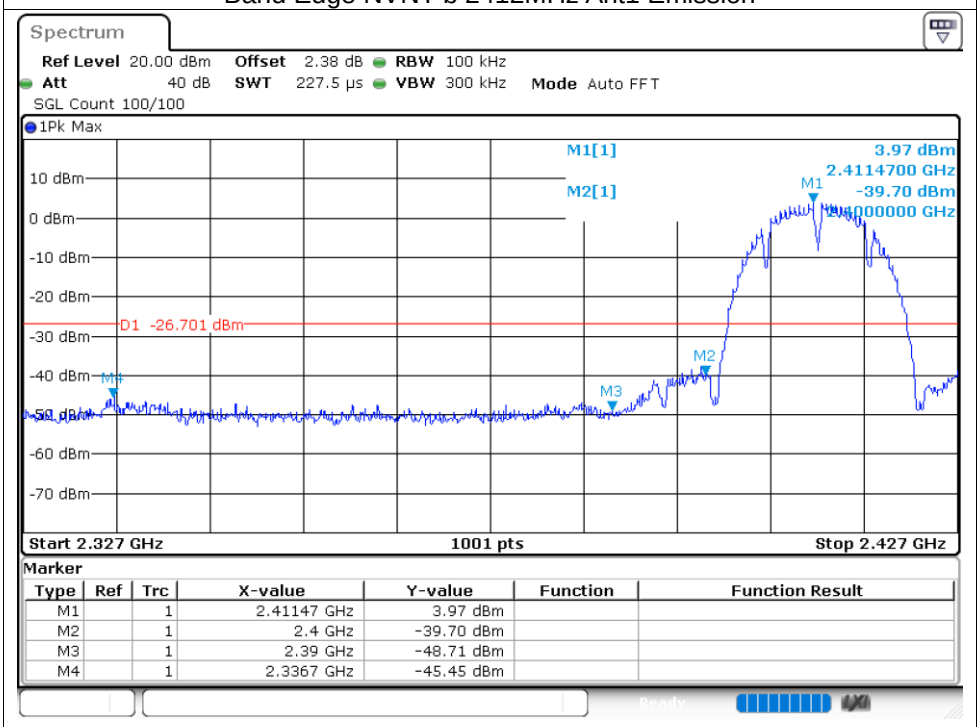
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.75	-30	Pass
NVNT	b	2462	Ant1	-54.61	-30	Pass
NVNT	b	2412	Ant2	-55.12	-30	Pass
NVNT	b	2462	Ant2	-56.06	-30	Pass
NVNT	g	2412	Ant1	-48.08	-30	Pass
NVNT	g	2462	Ant1	-45.96	-30	Pass
NVNT	g	2412	Ant2	-47.17	-30	Pass
NVNT	g	2462	Ant2	-48.07	-30	Pass
NVNT	n20	2412	Ant1	-47.53	-30	Pass
NVNT	n20	2462	Ant1	-46.27	-30	Pass
NVNT	n20	2412	Ant2	-48.51	-30	Pass
NVNT	n20	2462	Ant2	-48.11	-30	Pass
NVNT	n40	2422	Ant1	-40.39	-30	Pass
NVNT	n40	2452	Ant1	-38.49	-30	Pass
NVNT	n40	2422	Ant2	-42.88	-30	Pass
NVNT	n40	2452	Ant2	-39.64	-30	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



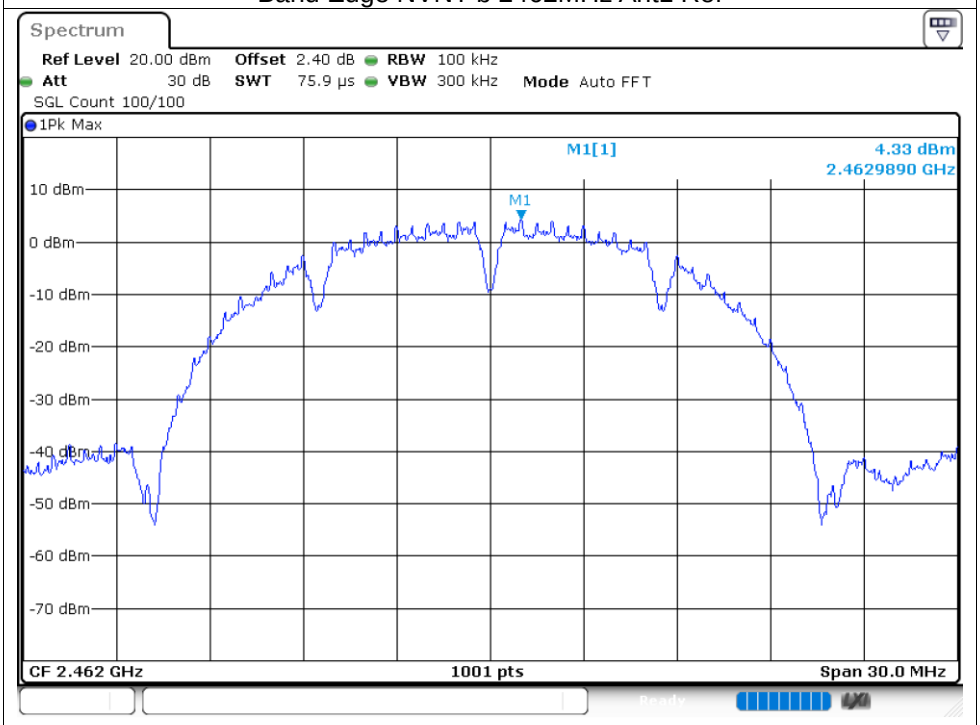
Band Edge NVNT b 2412MHz Ant1 Emission



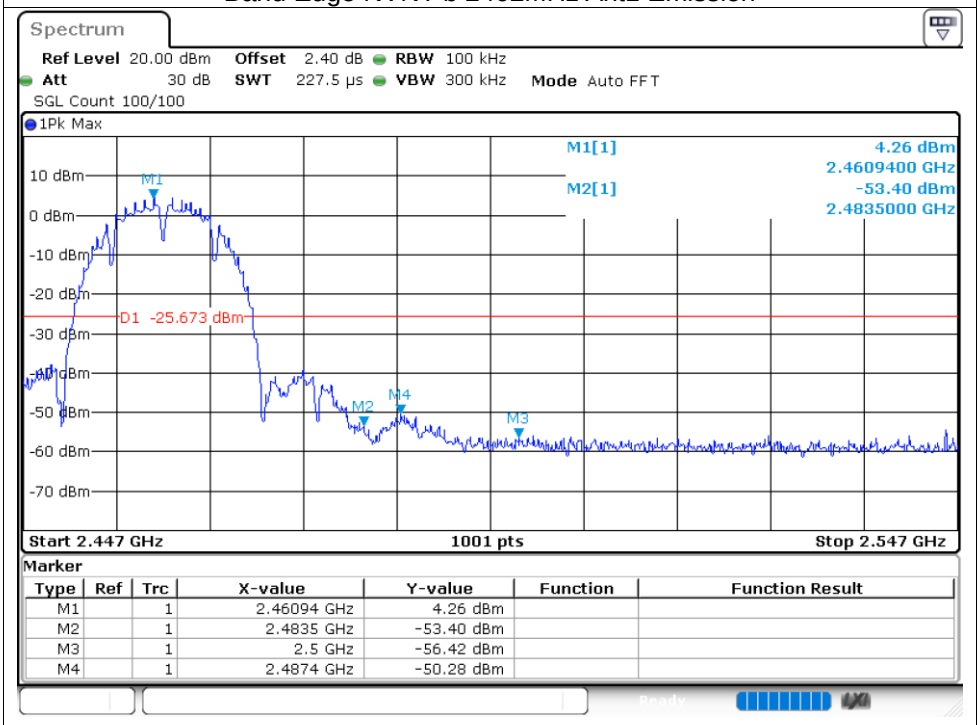
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41147 GHz	3.97 dBm		
M2		1	2.4 GHz	-39.70 dBm		
M3		1	2.39 GHz	-48.71 dBm		
M4		1	2.3367 GHz	-45.45 dBm		

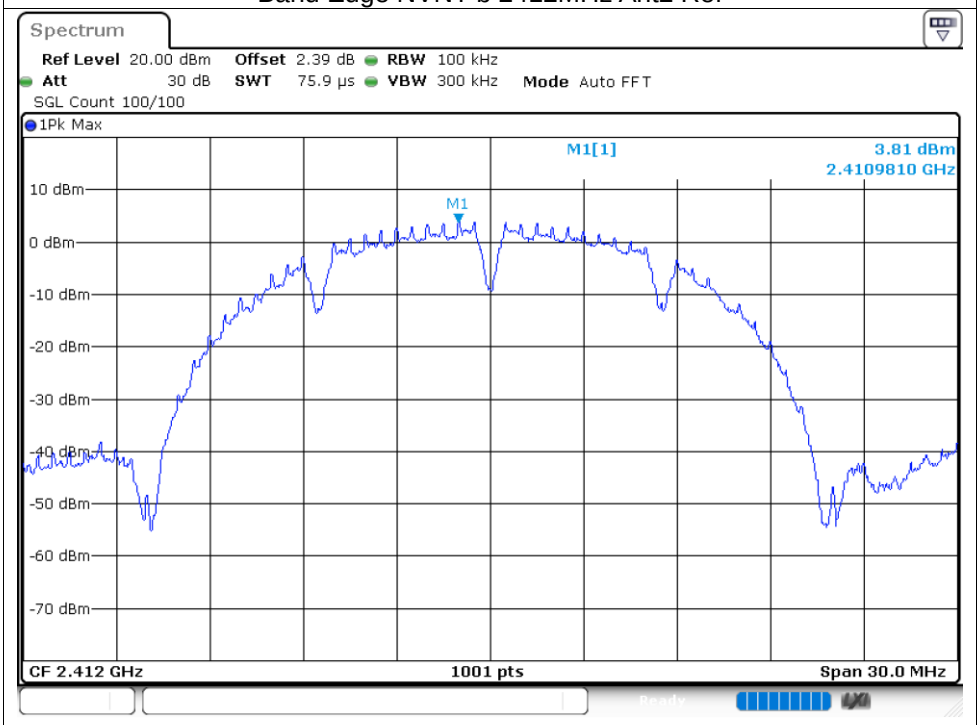
Band Edge NVNT b 2462MHz Ant1 Ref



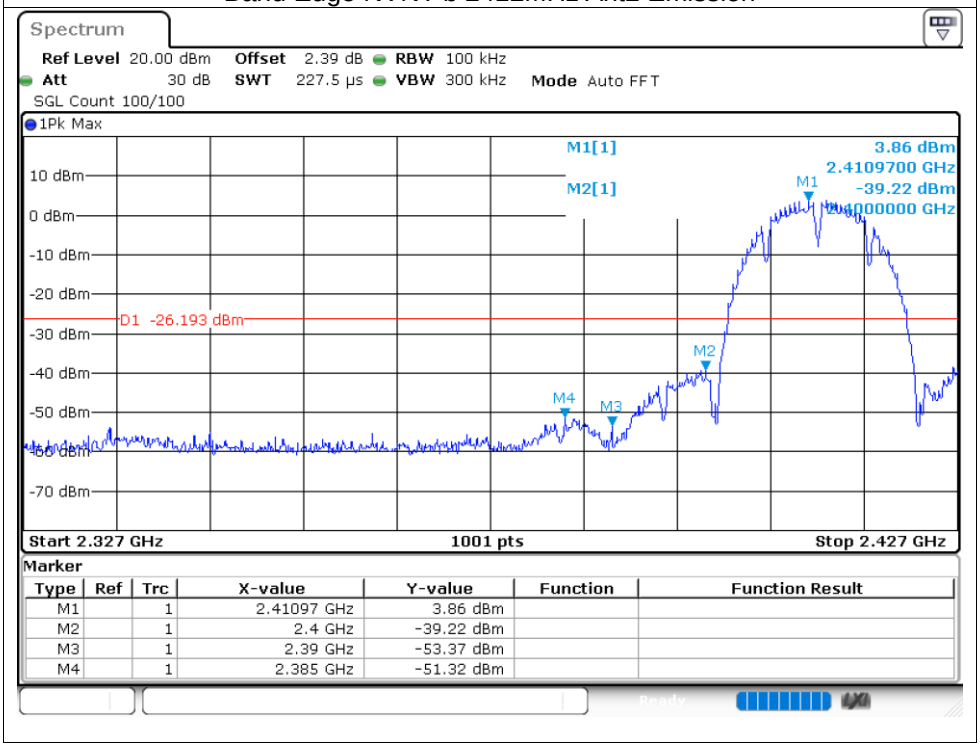
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT b 2412MHz Ant2 Ref



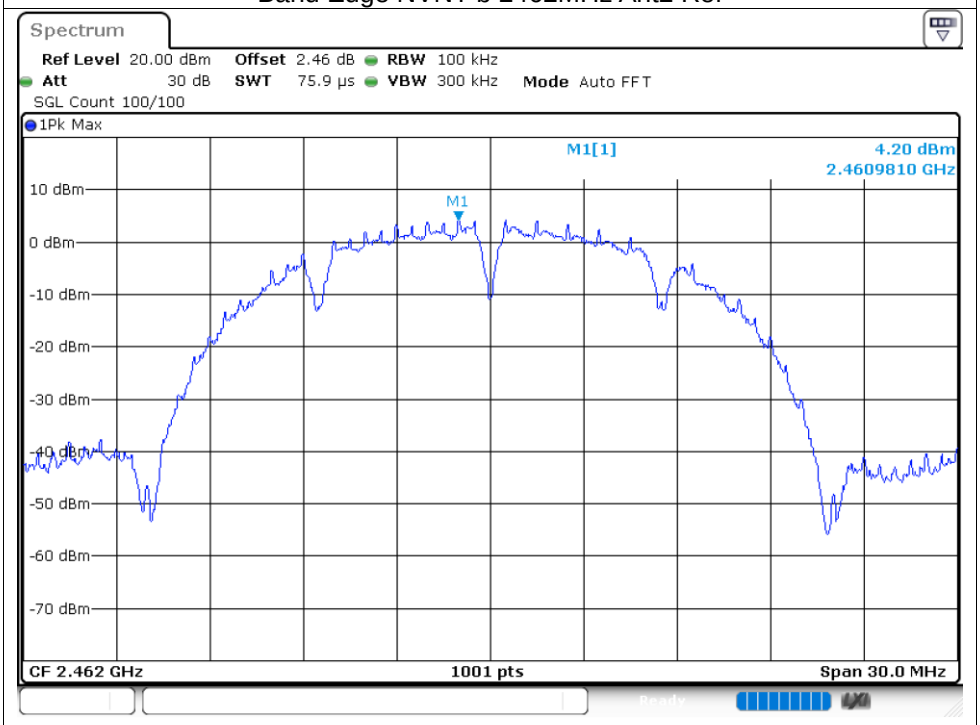
Band Edge NVNT b 2412MHz Ant2 Emission



Marker

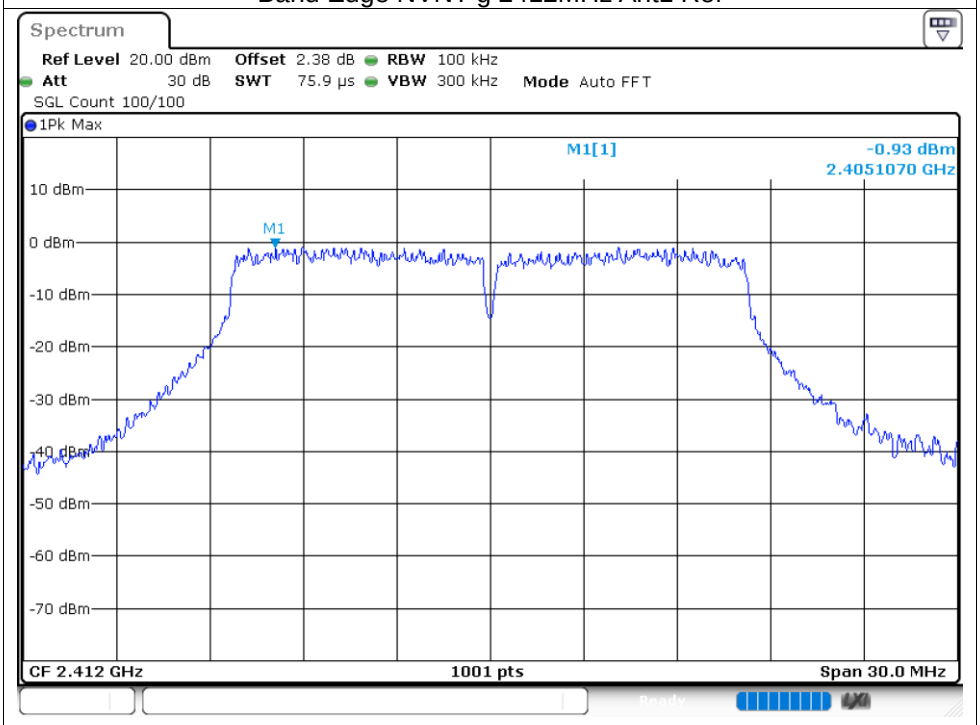
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41097 GHz	3.86 dBm		
M2		1	2.4 GHz	-39.22 dBm		
M3		1	2.39 GHz	-53.37 dBm		
M4		1	2.385 GHz	-51.32 dBm		

Band Edge NVNT b 2462MHz Ant2 Ref

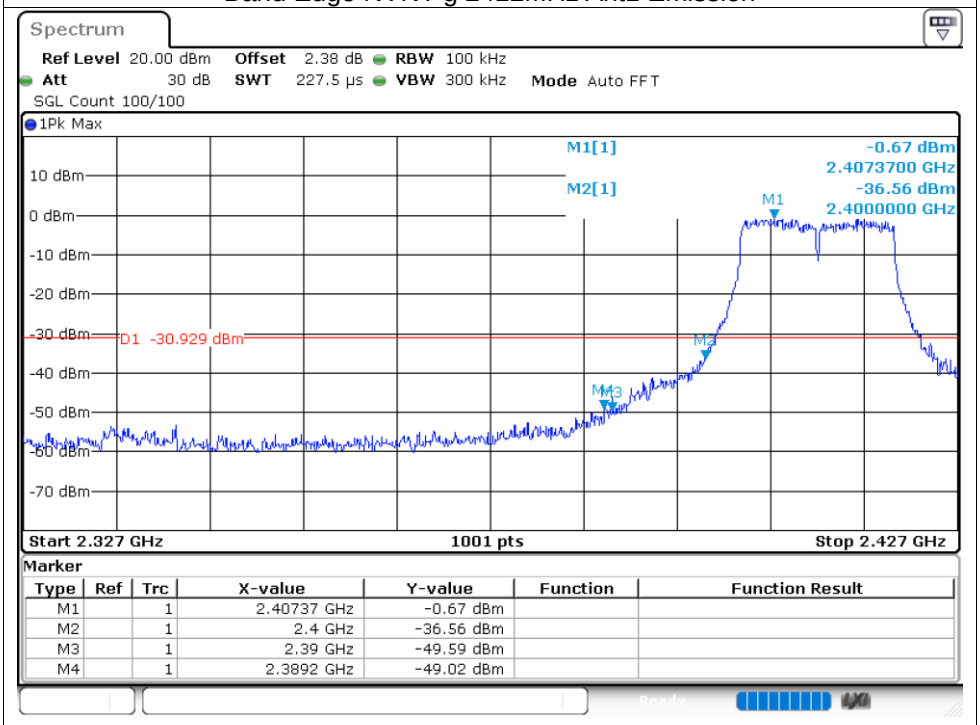


Band Edge NVNT b 2462MHz Ant2 Emission

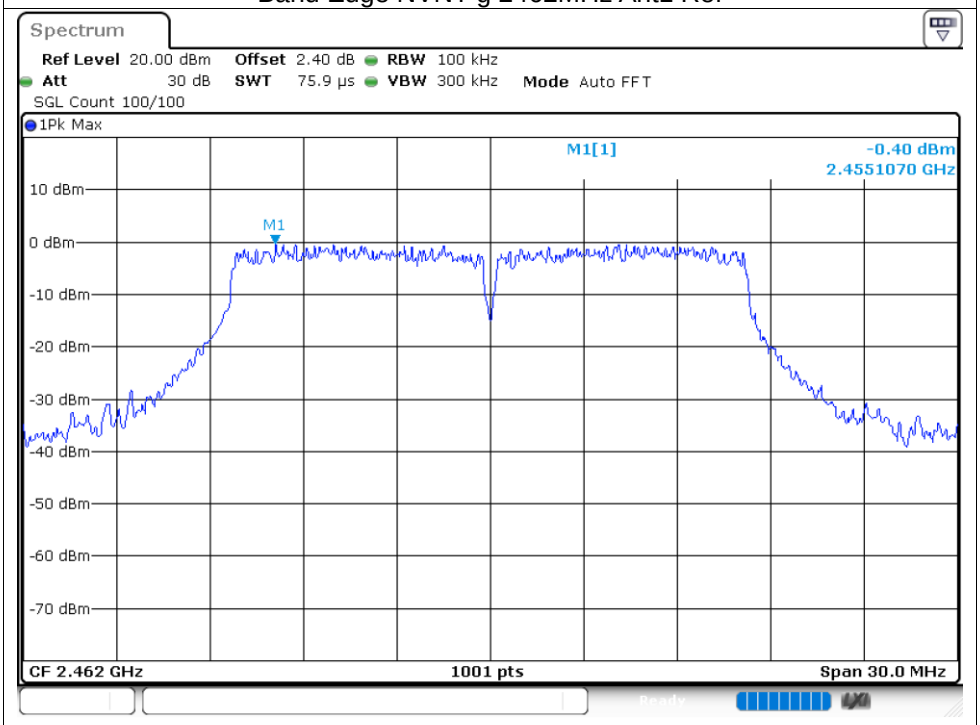
Band Edge NVNT g 2412MHz Ant1 Ref



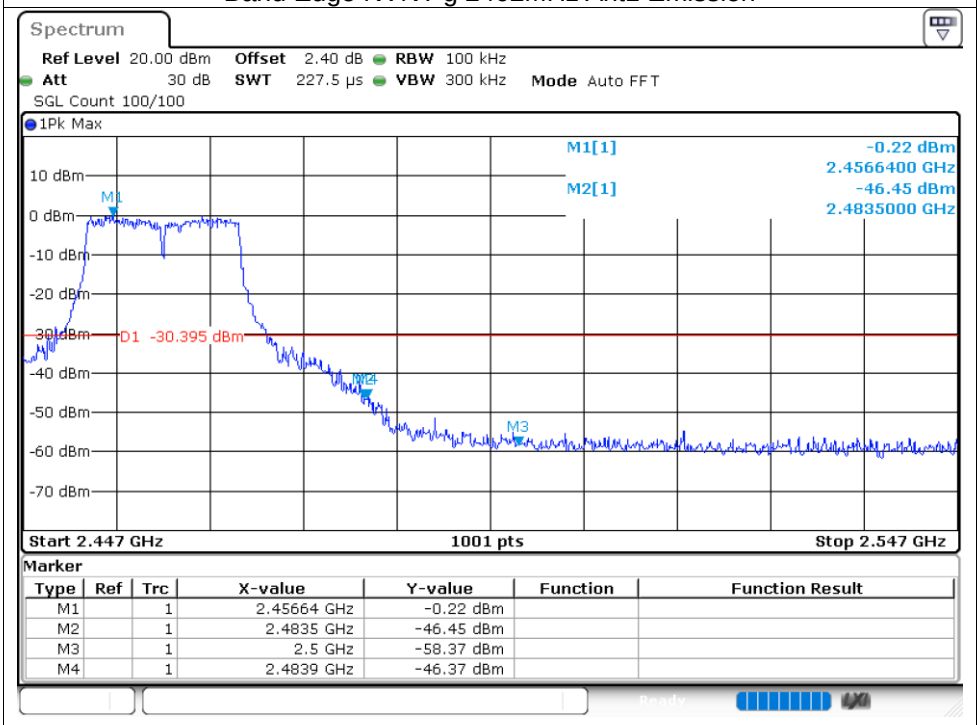
Band Edge NVNT g 2412MHz Ant1 Emission



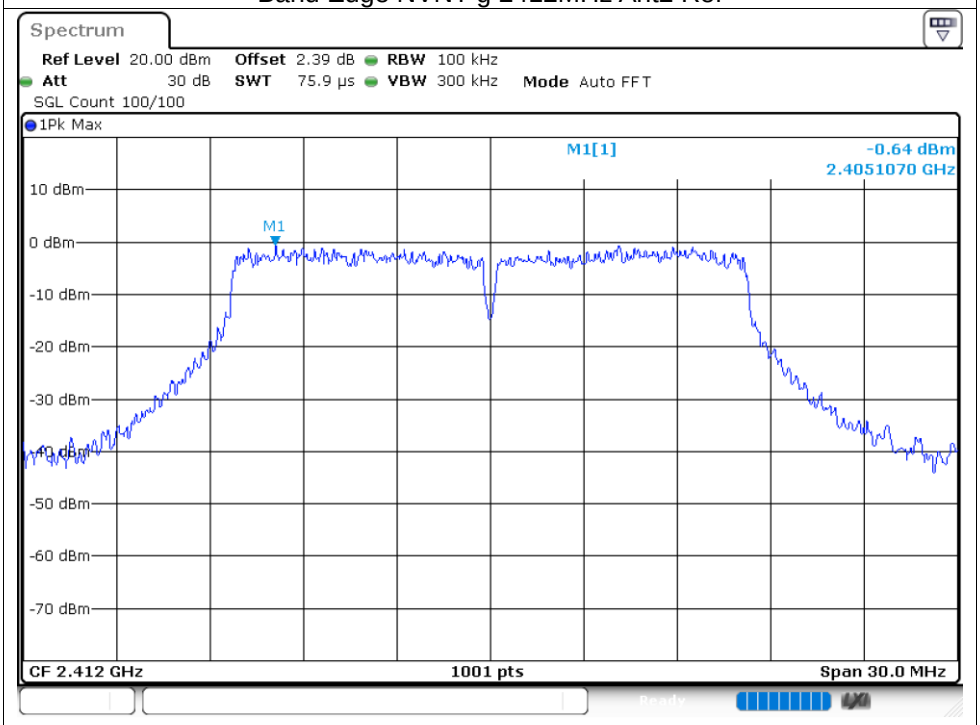
Band Edge NVNT g 2462MHz Ant1 Ref



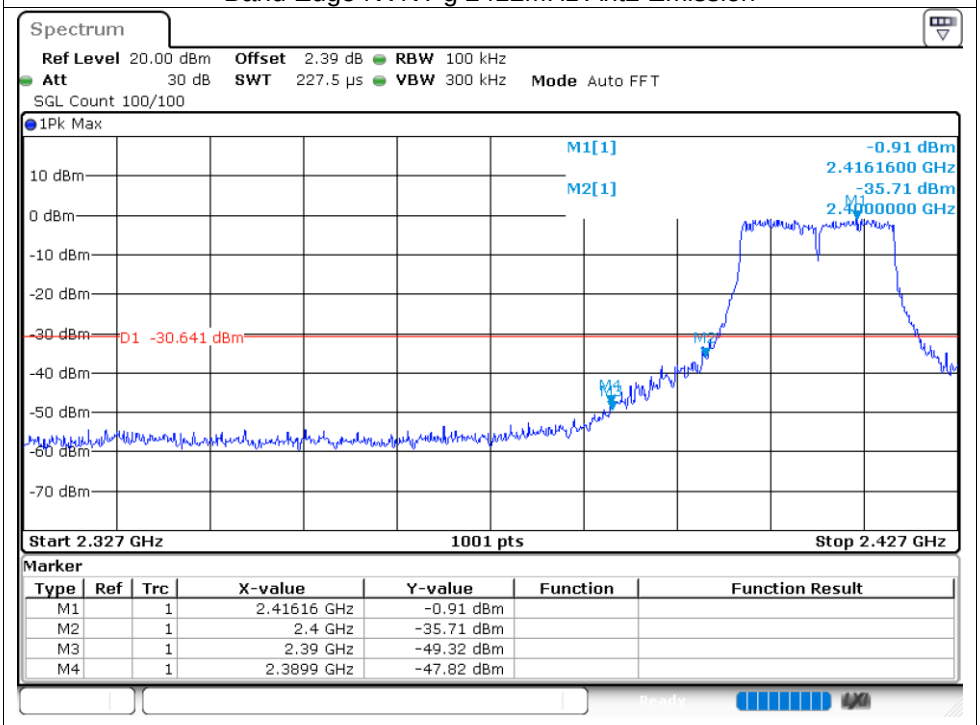
Band Edge NVNT g 2462MHz Ant1 Emission



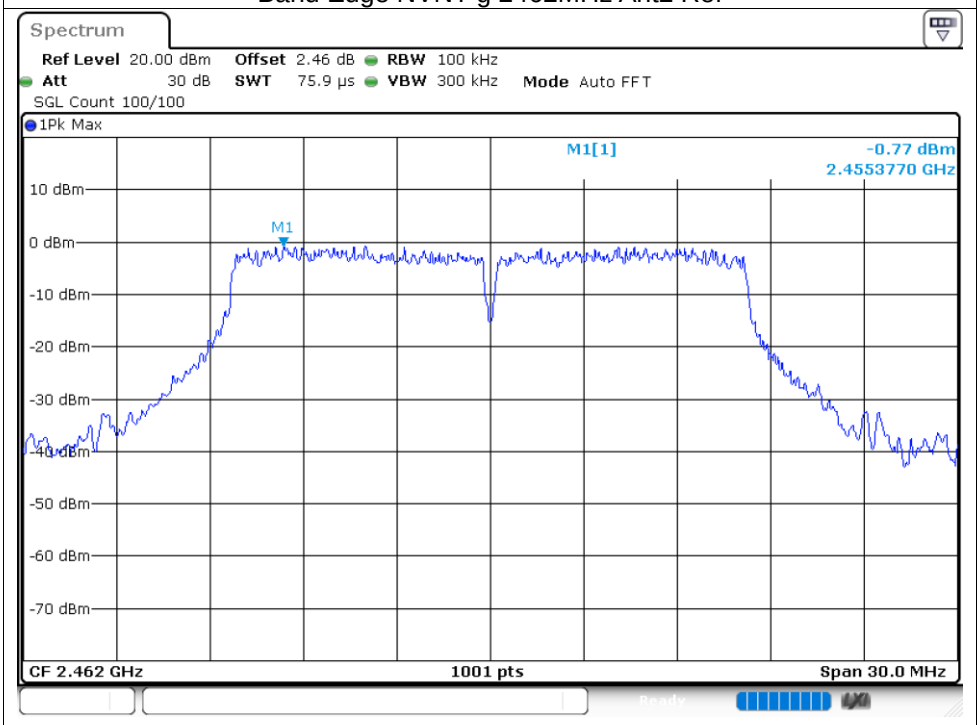
Band Edge NVNT g 2412MHz Ant2 Ref



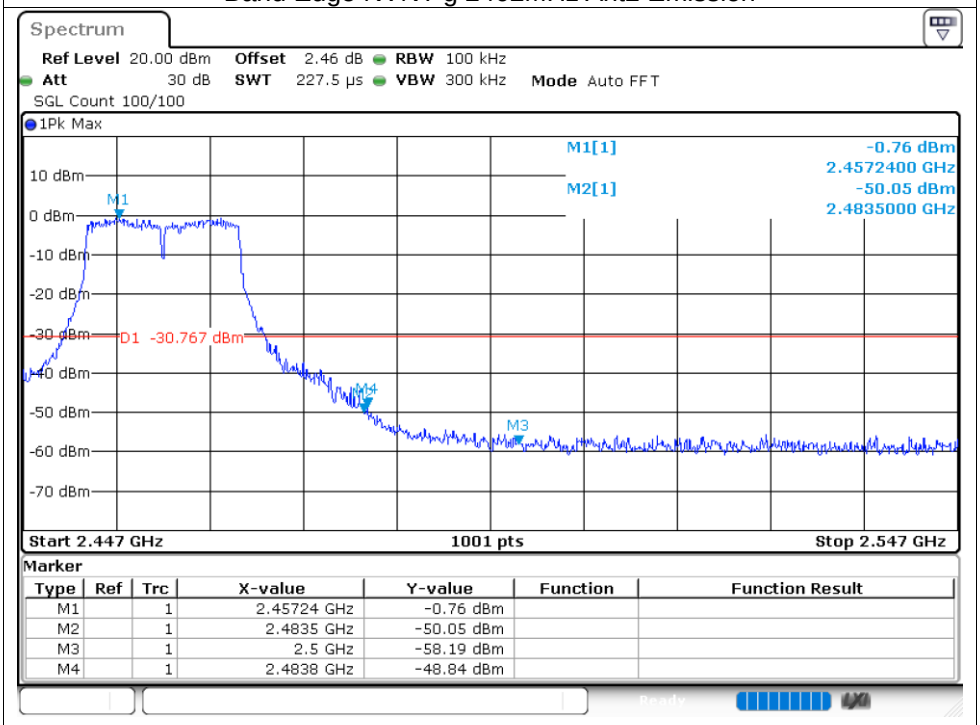
Band Edge NVNT g 2412MHz Ant2 Emission



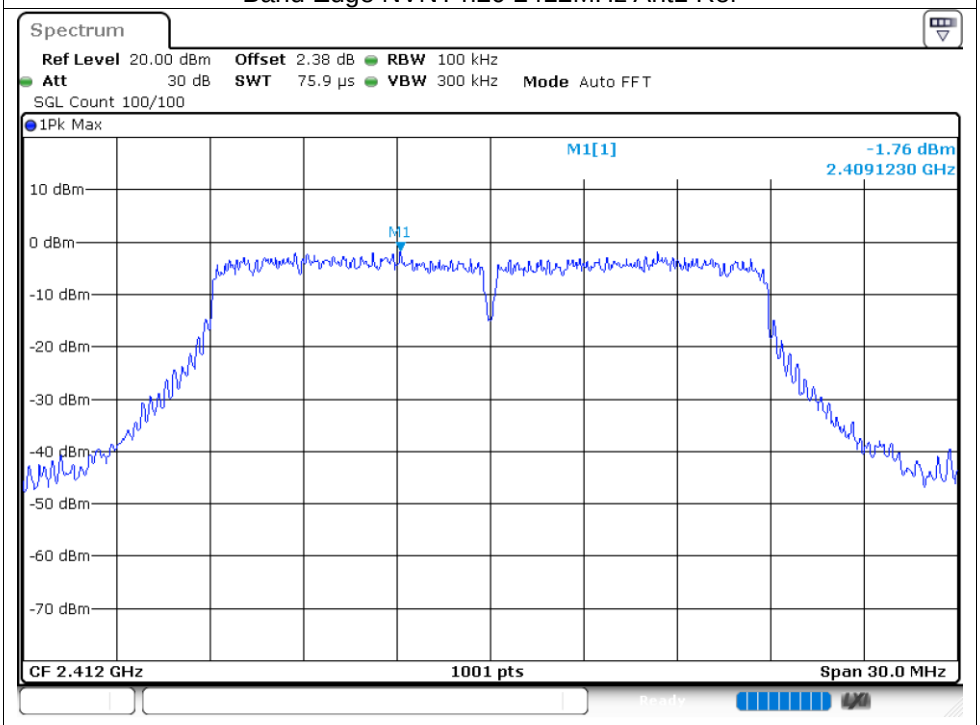
Band Edge NVNT g 2462MHz Ant2 Ref



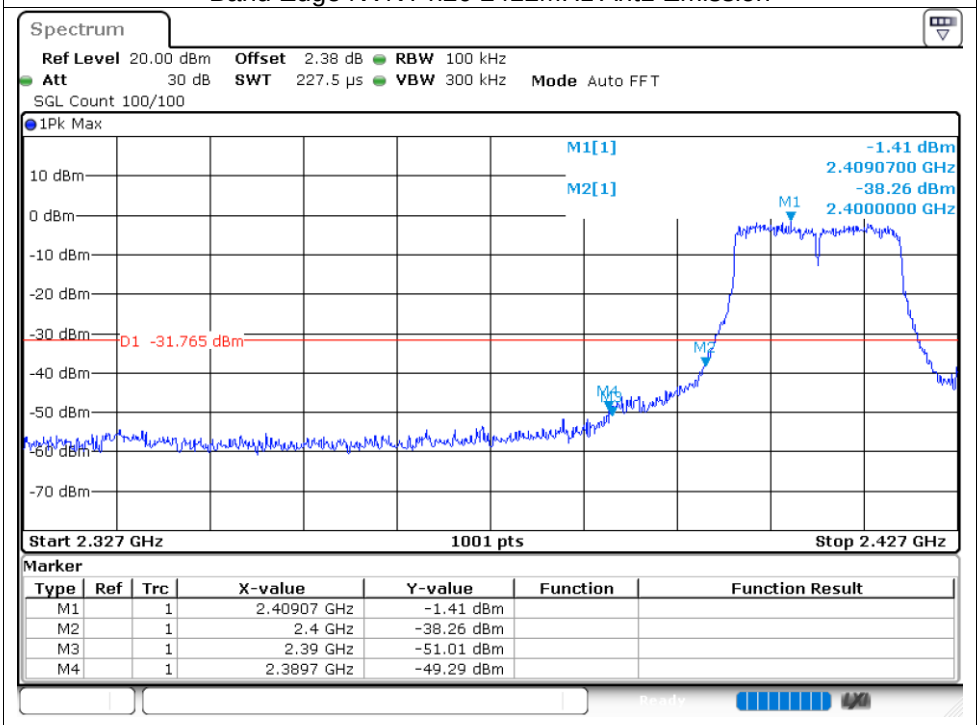
Band Edge NVNT g 2462MHz Ant2 Emission



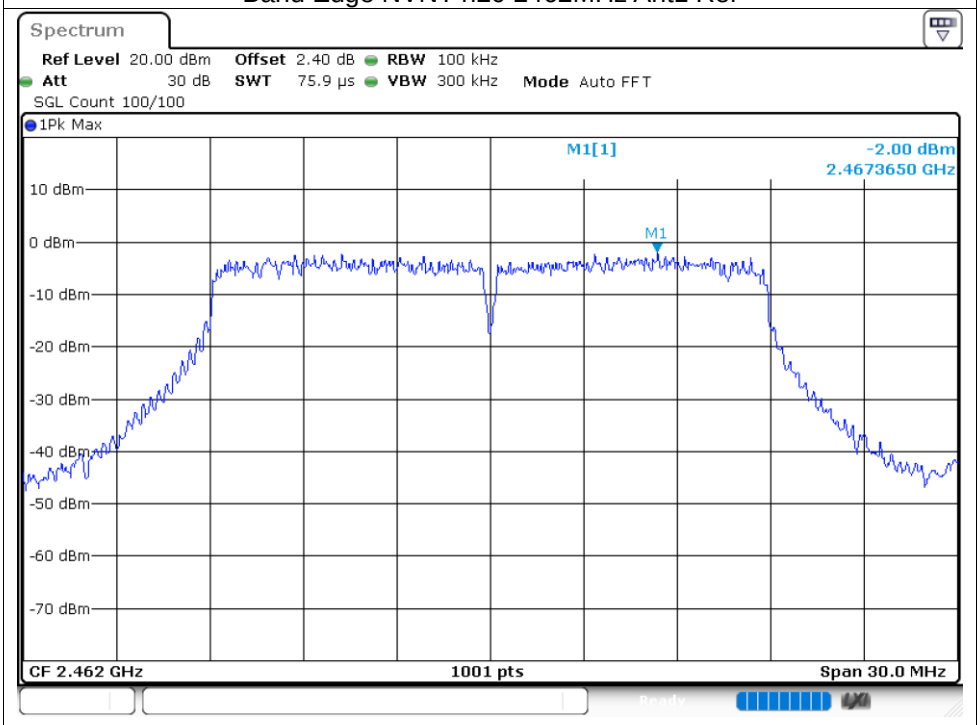
Band Edge NVNT n20 2412MHz Ant1 Ref



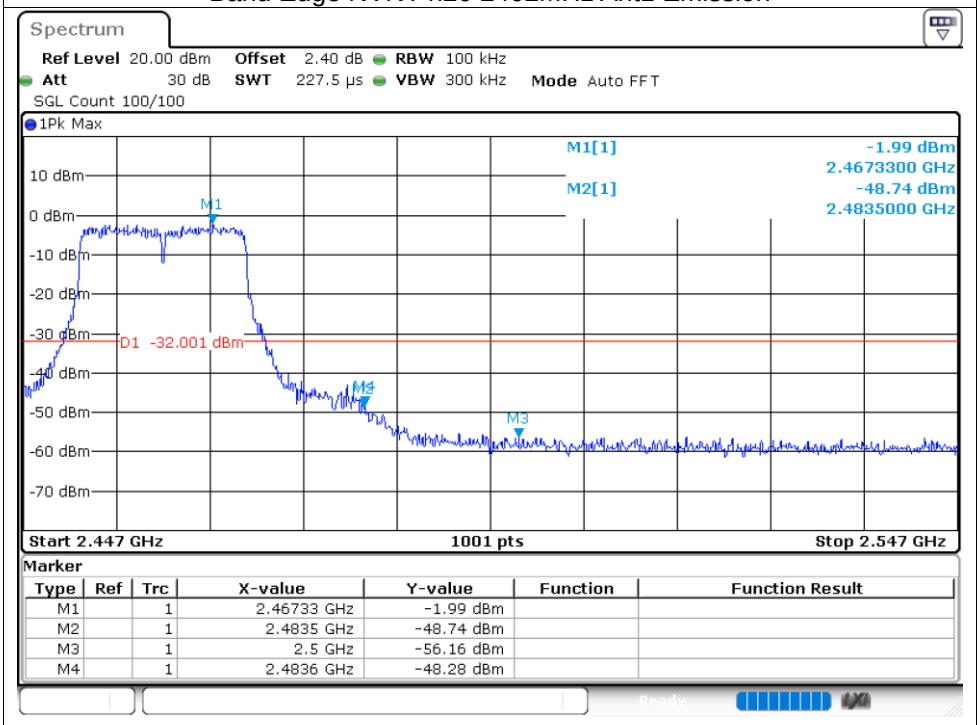
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



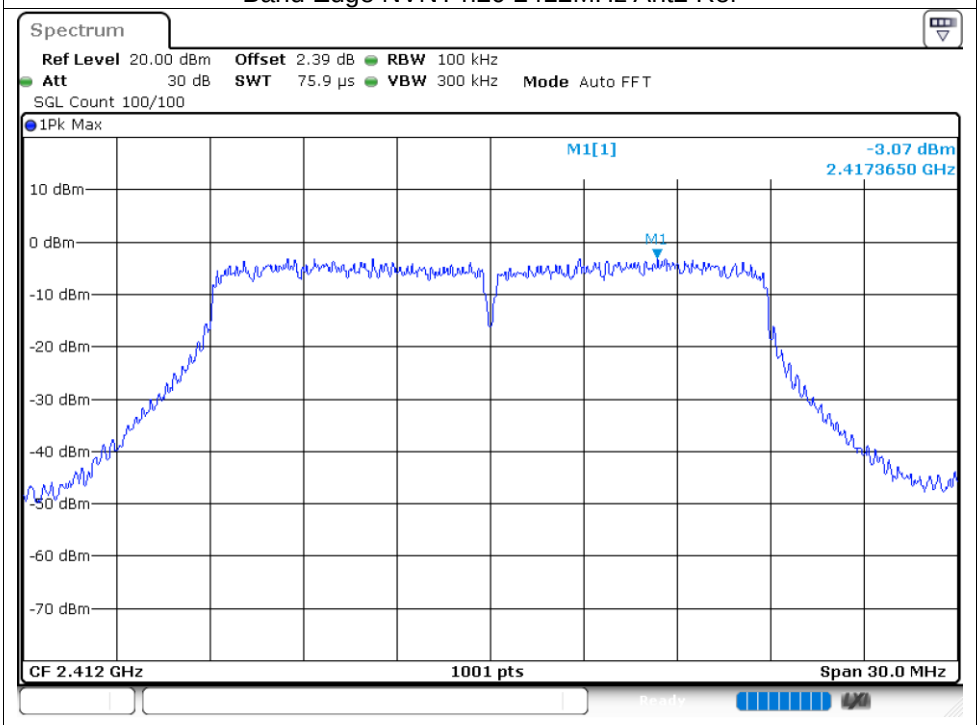
Band Edge NVNT n20 2462MHz Ant1 Emission



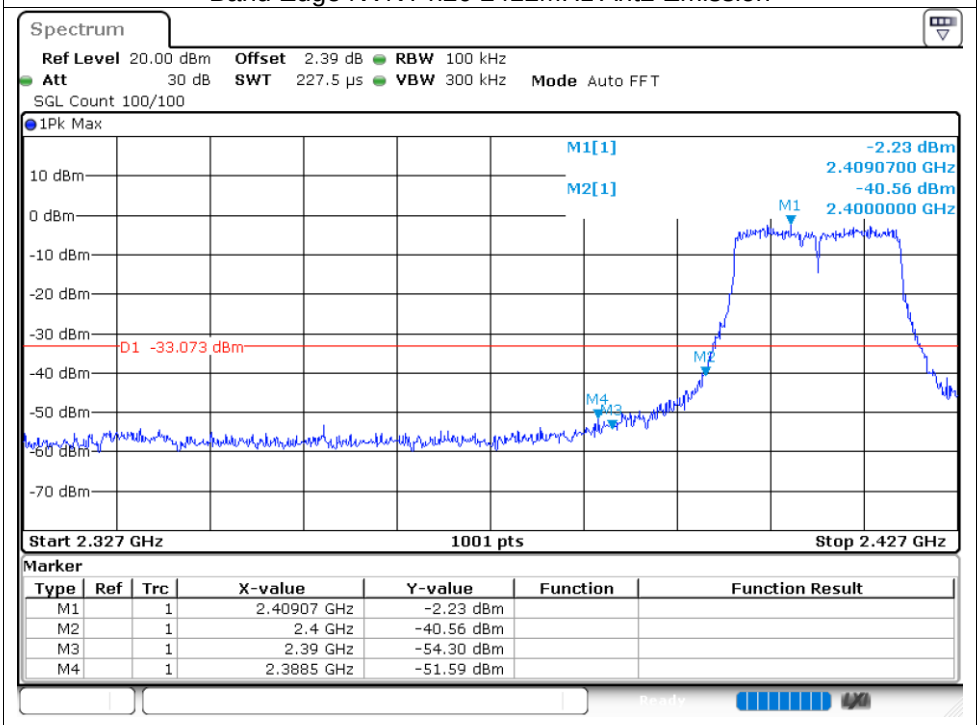
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46733 GHz	-1.99 dBm		
M2		1	2.4835 GHz	-48.74 dBm		
M3		1	2.5 GHz	-56.16 dBm		
M4		1	2.4836 GHz	-48.28 dBm		

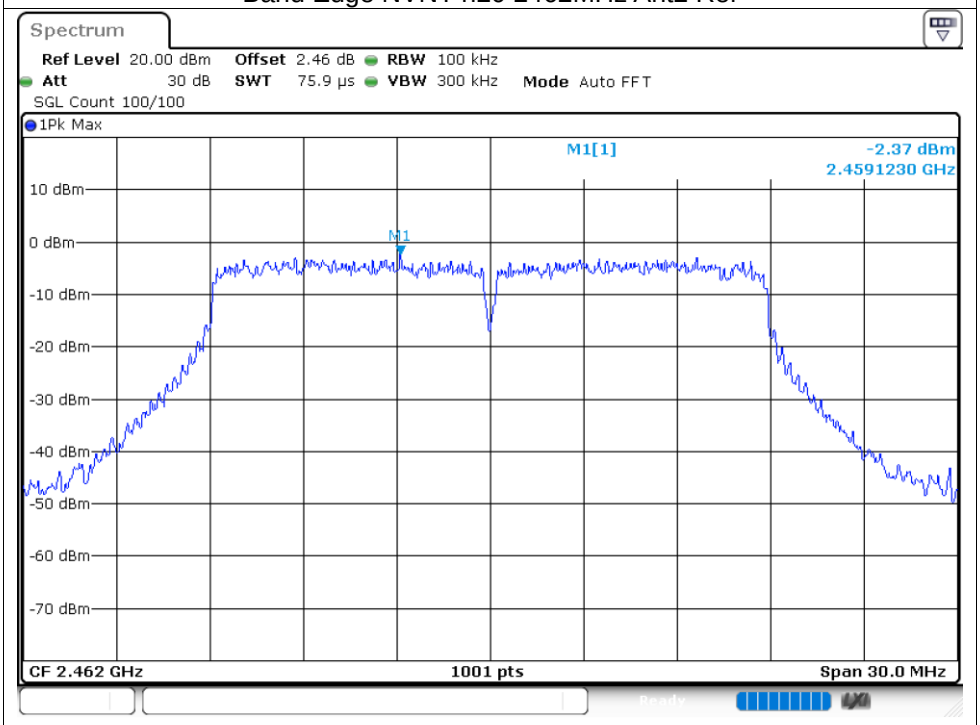
Band Edge NVNT n20 2412MHz Ant2 Ref



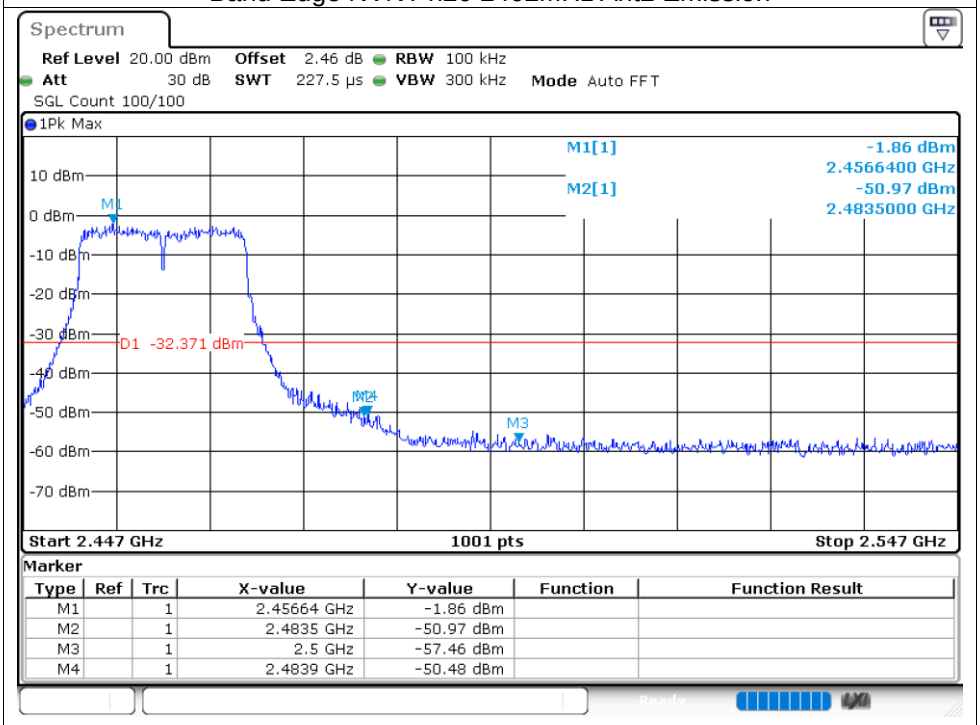
Band Edge NVNT n20 2412MHz Ant2 Emission



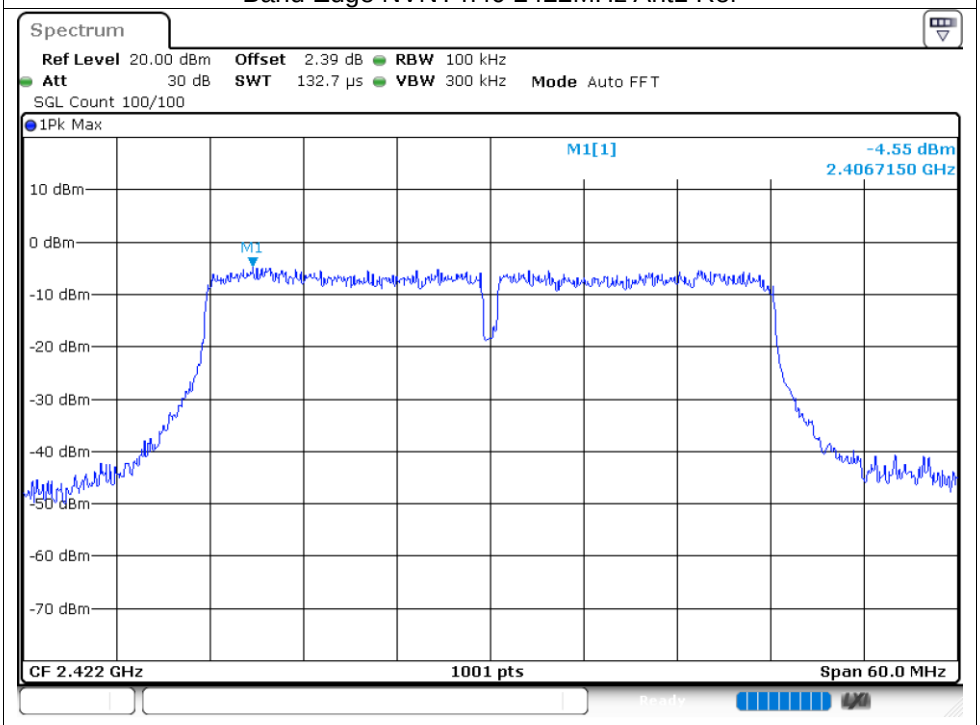
Band Edge NVNT n20 2462MHz Ant2 Ref



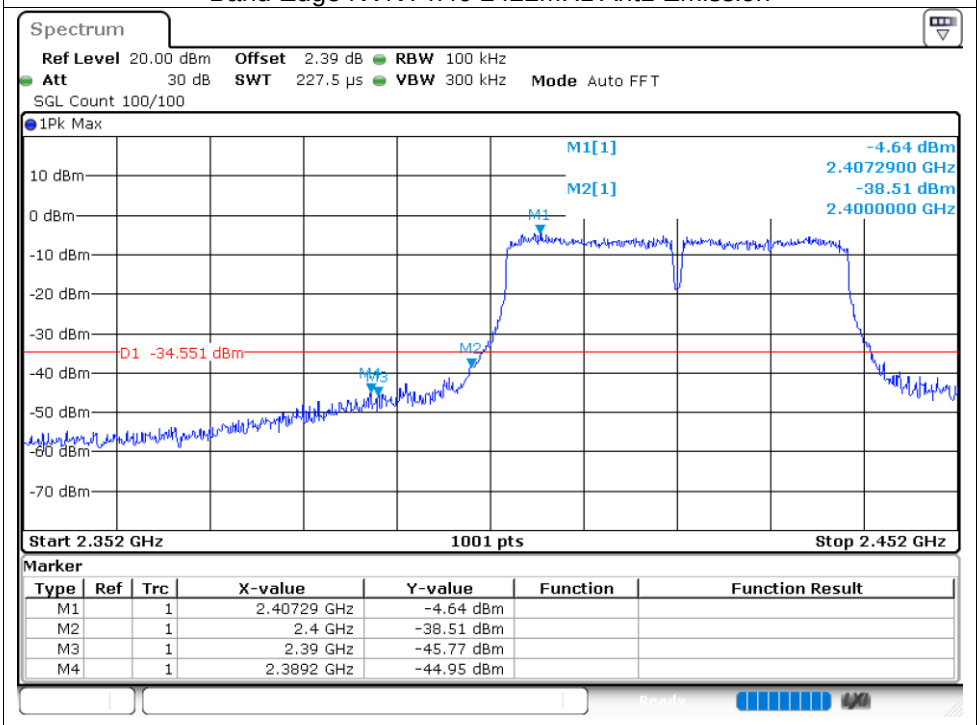
Band Edge NVNT n20 2462MHz Ant2 Emission



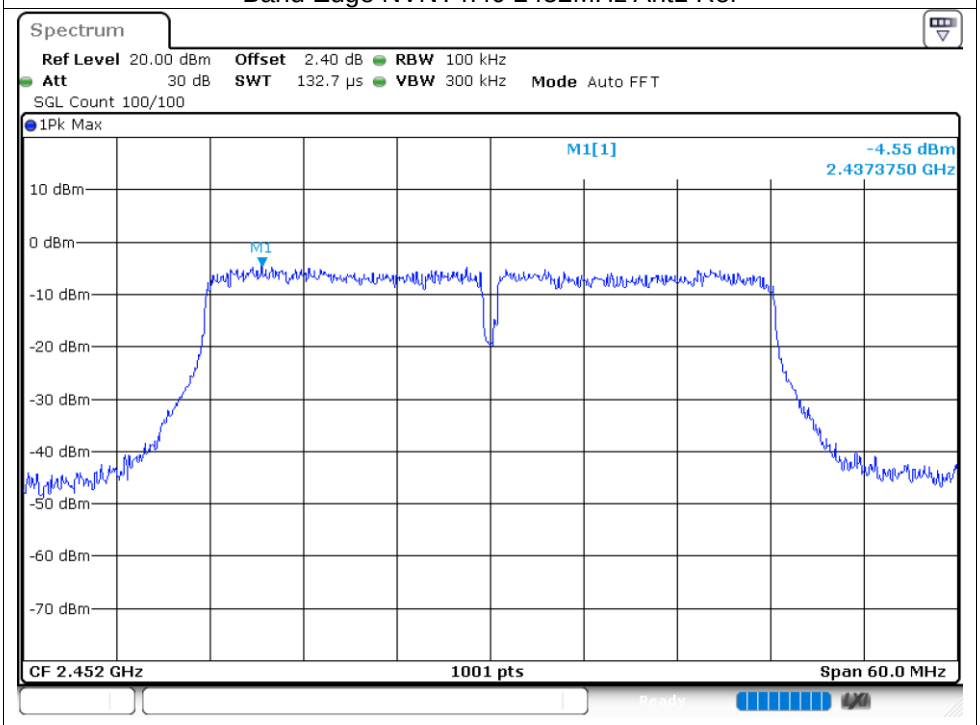
Band Edge NVNT n40 2422MHz Ant1 Ref



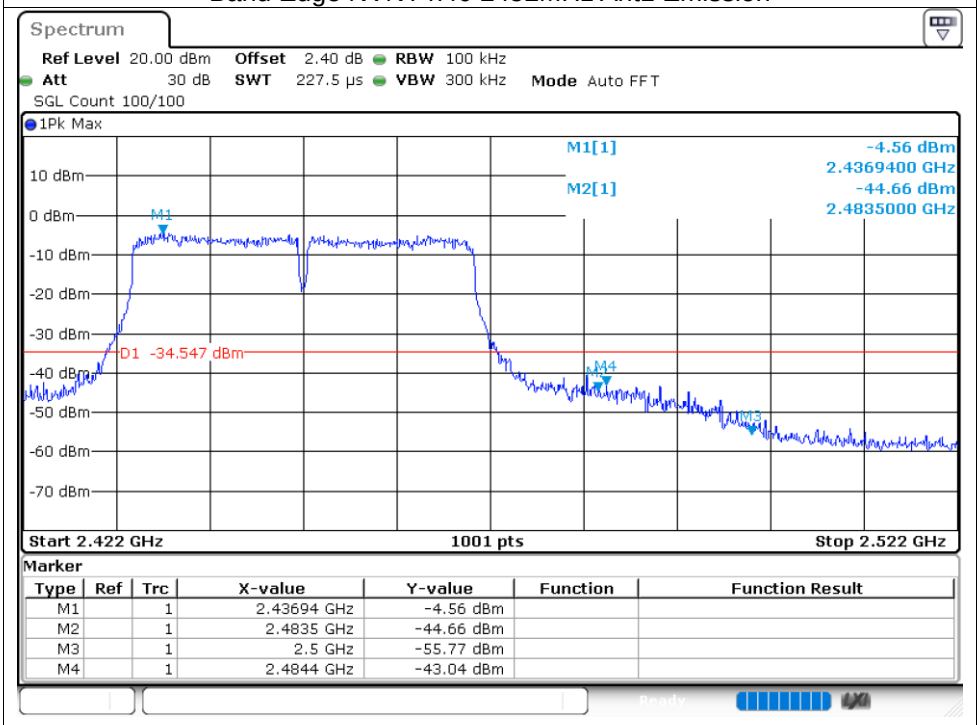
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref

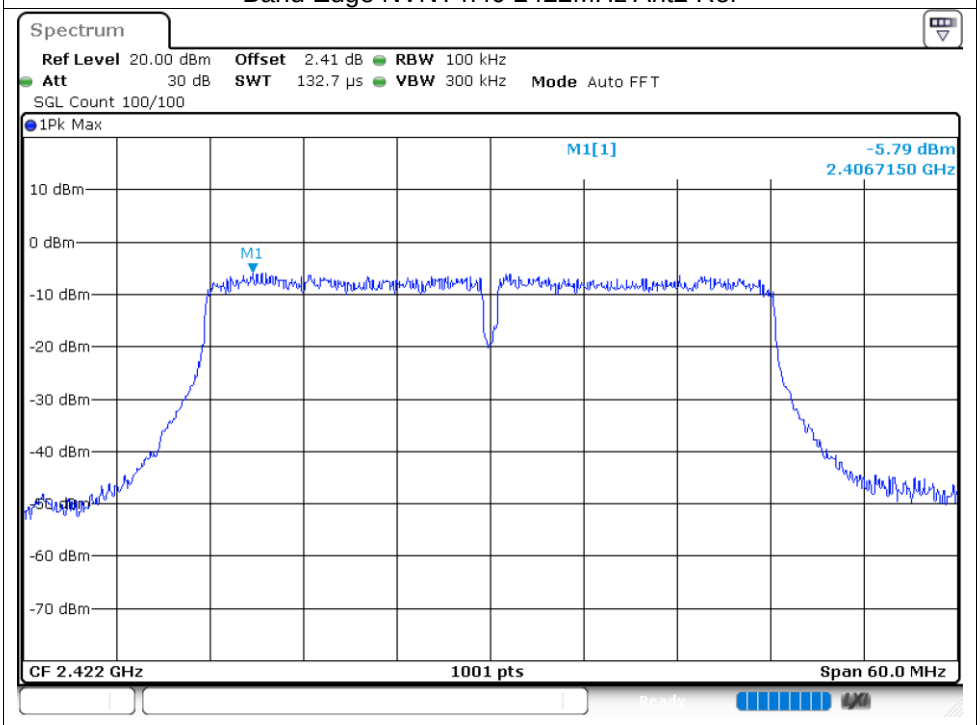
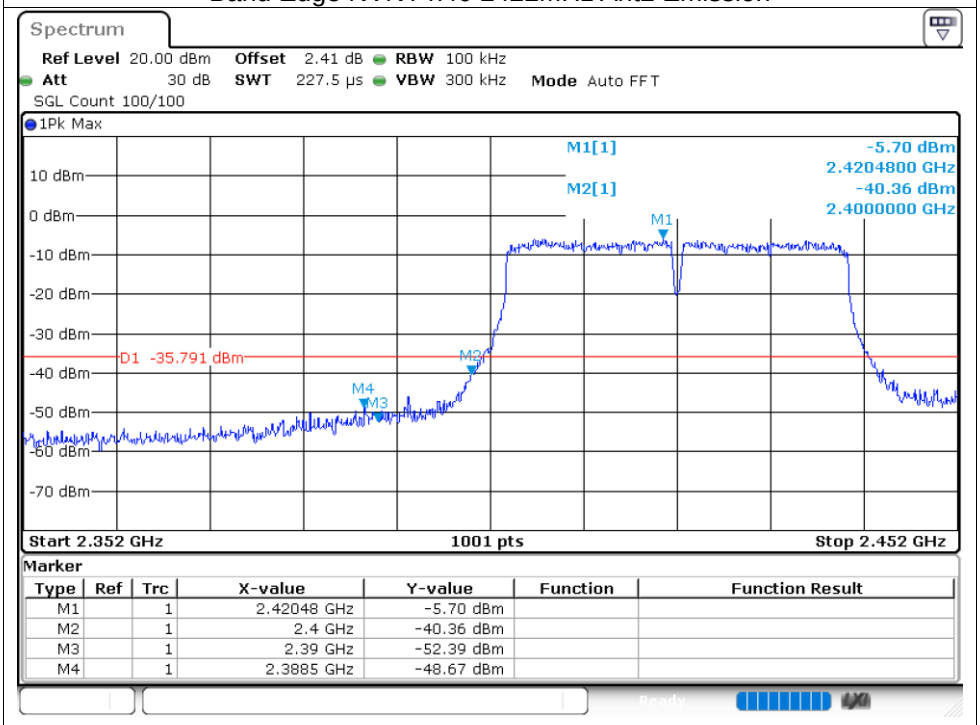


Band Edge NVNT n40 2452MHz Ant1 Emission



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43694 GHz	-4.56 dBm		
M2		1	2.4835 GHz	-44.66 dBm		
M3		1	2.5 GHz	-55.77 dBm		
M4		1	2.4844 GHz	-43.04 dBm		

Band Edge NVNT n40 2422MHz Ant2 Ref



Band Edge NVNT n40 2422MHz Ant2 Emission