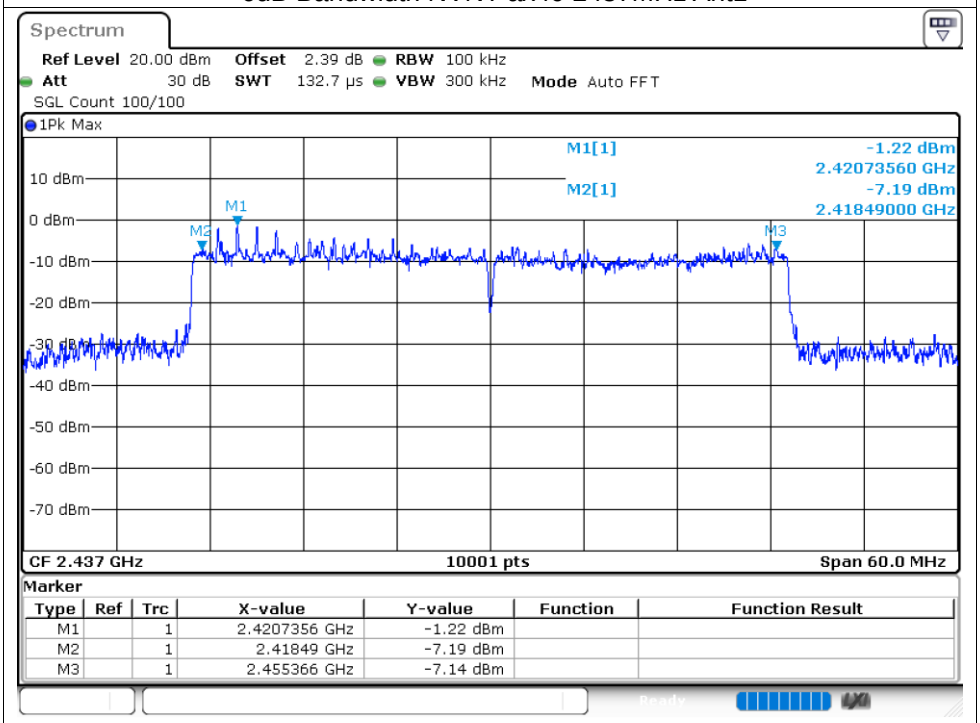
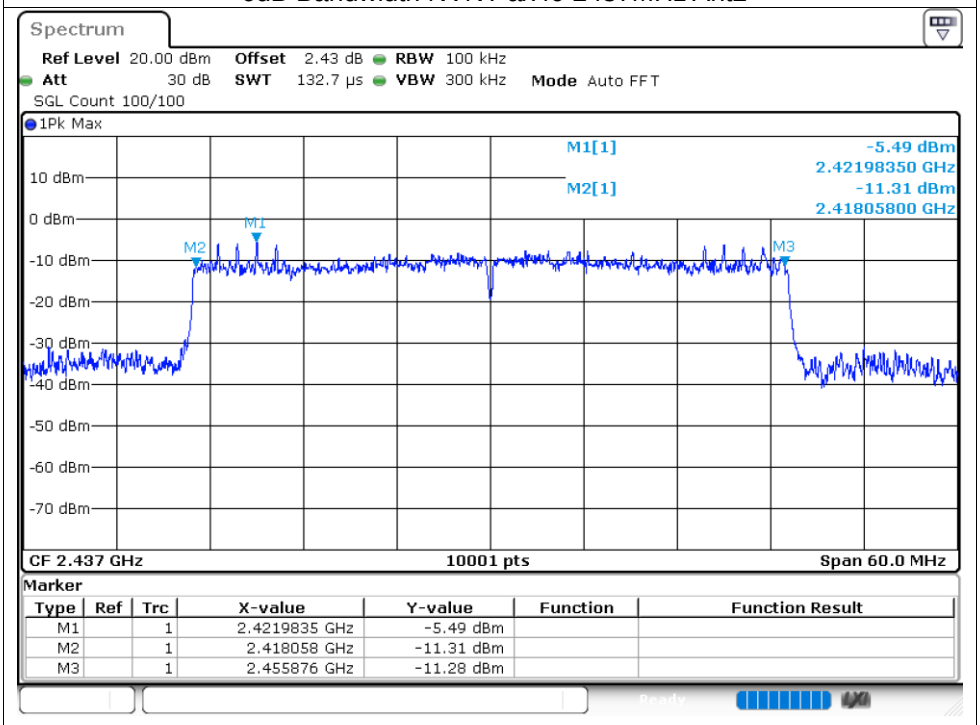
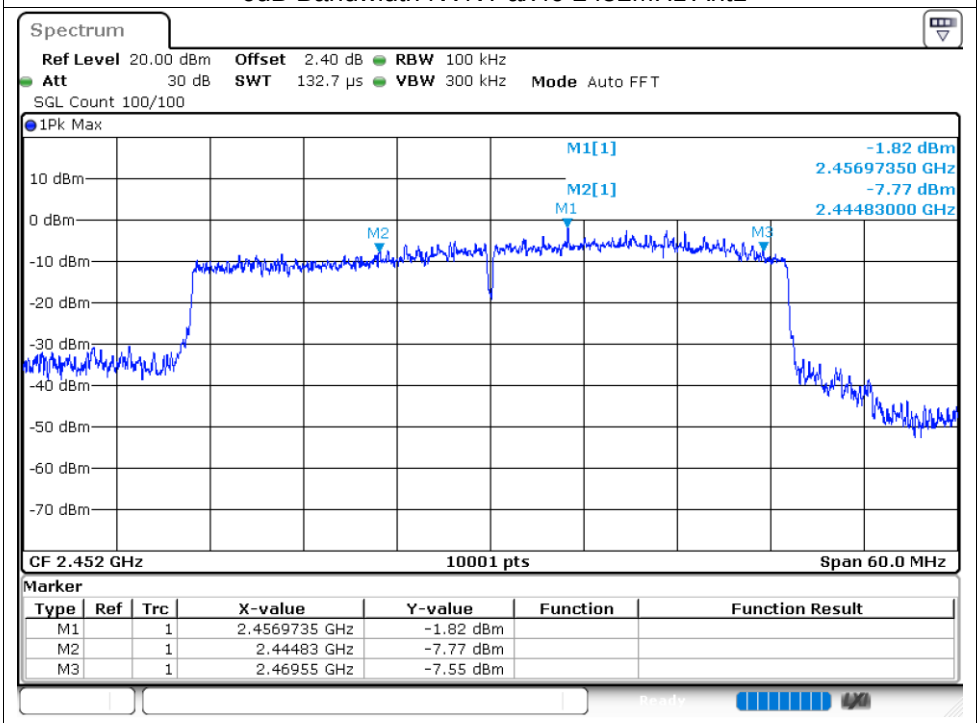
-6dB Bandwidth NVNT ax40 2437MHz Ant1



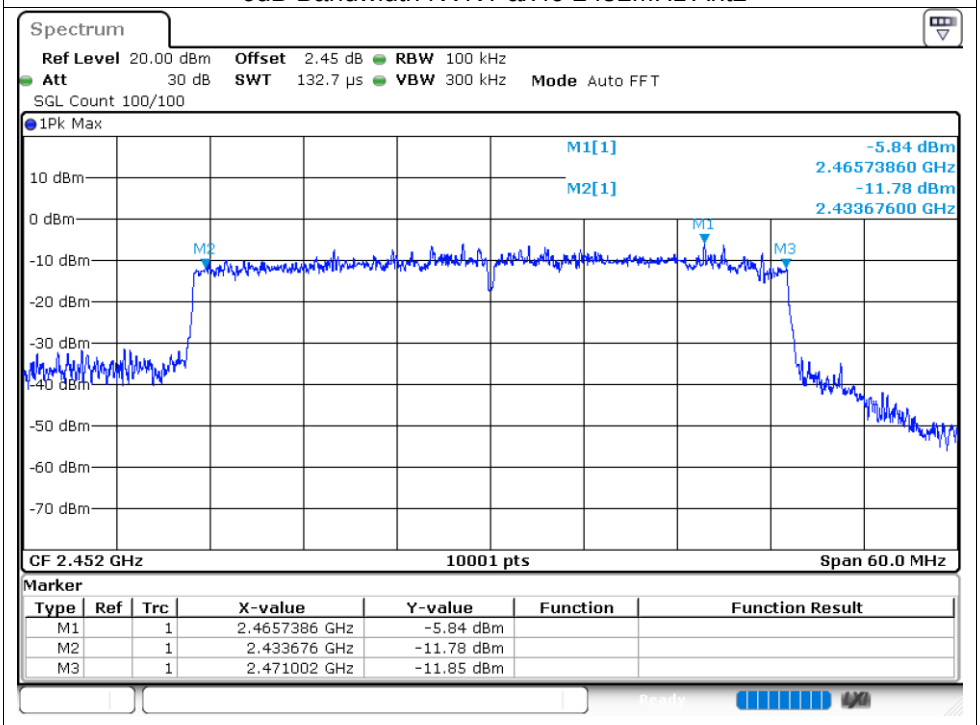
-6dB Bandwidth NVNT ax40 2437MHz Ant2



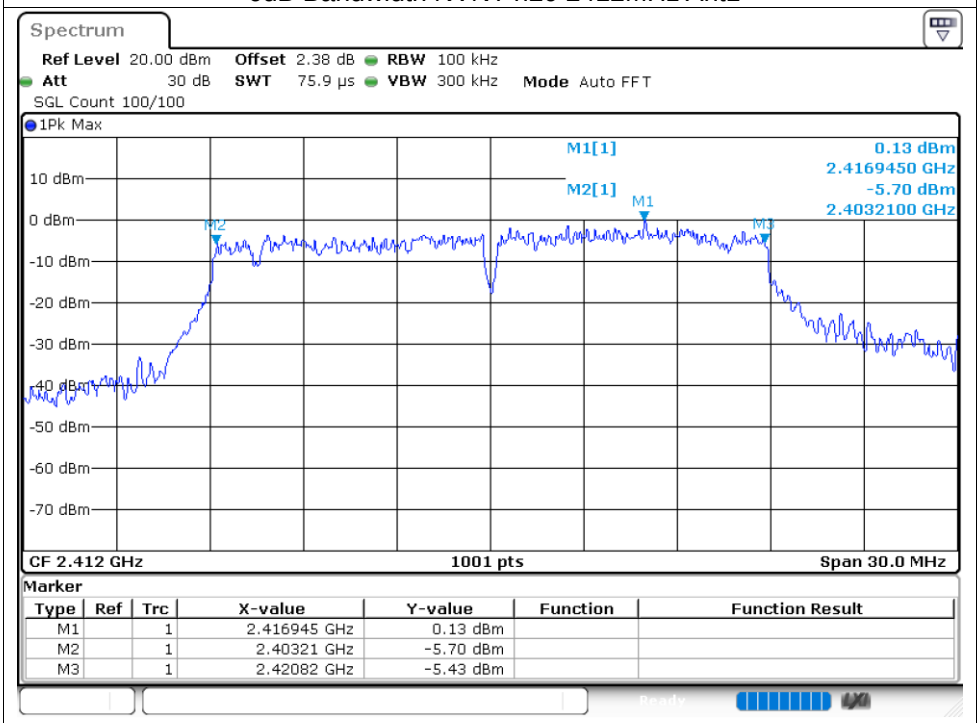
-6dB Bandwidth NVNT ax40 2452MHz Ant1



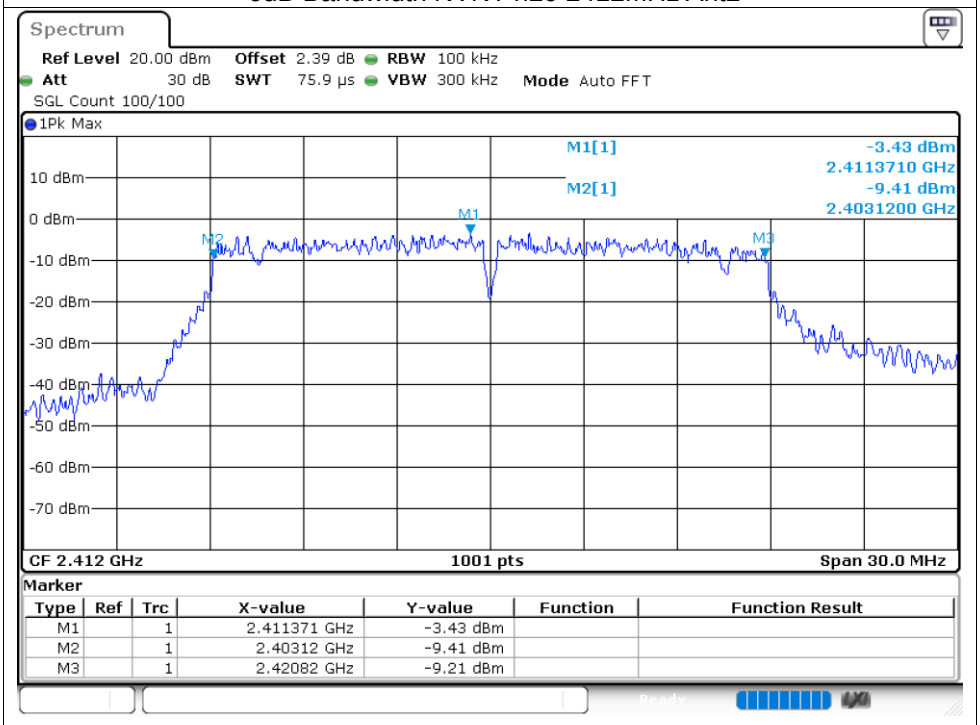
-6dB Bandwidth NVNT ax40 2452MHz Ant2



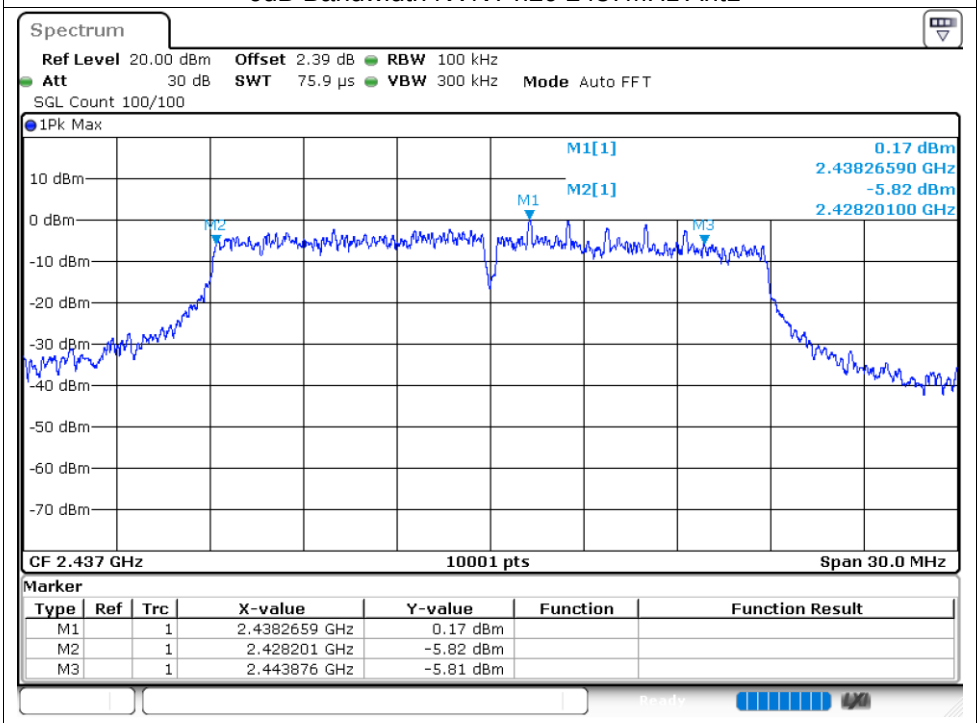
-6dB Bandwidth NVNT n20 2412MHz Ant1



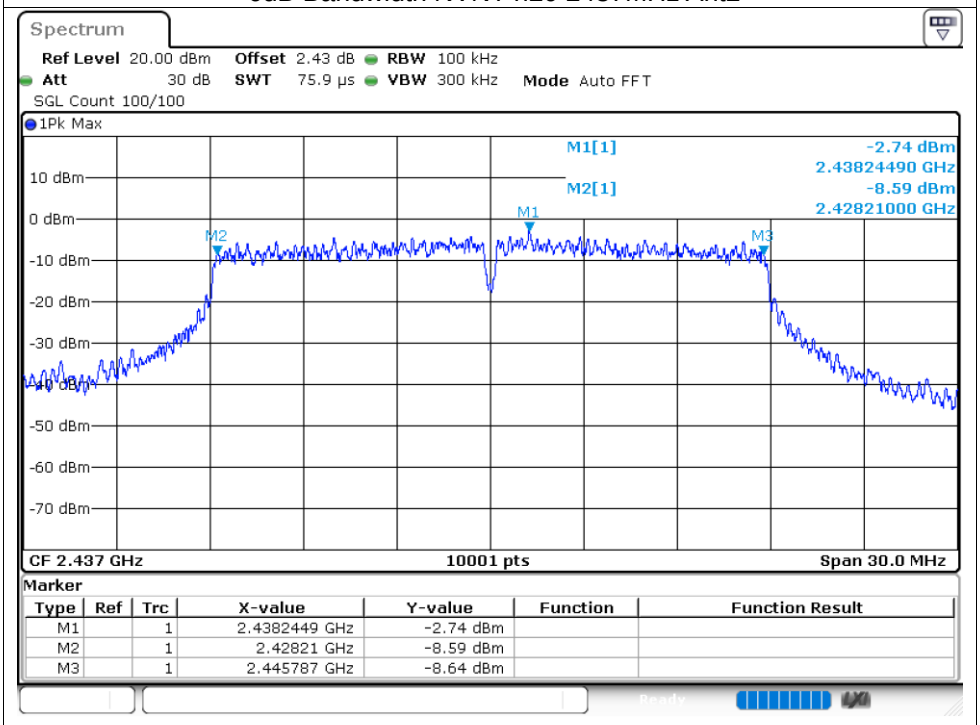
-6dB Bandwidth NVNT n20 2412MHz Ant2



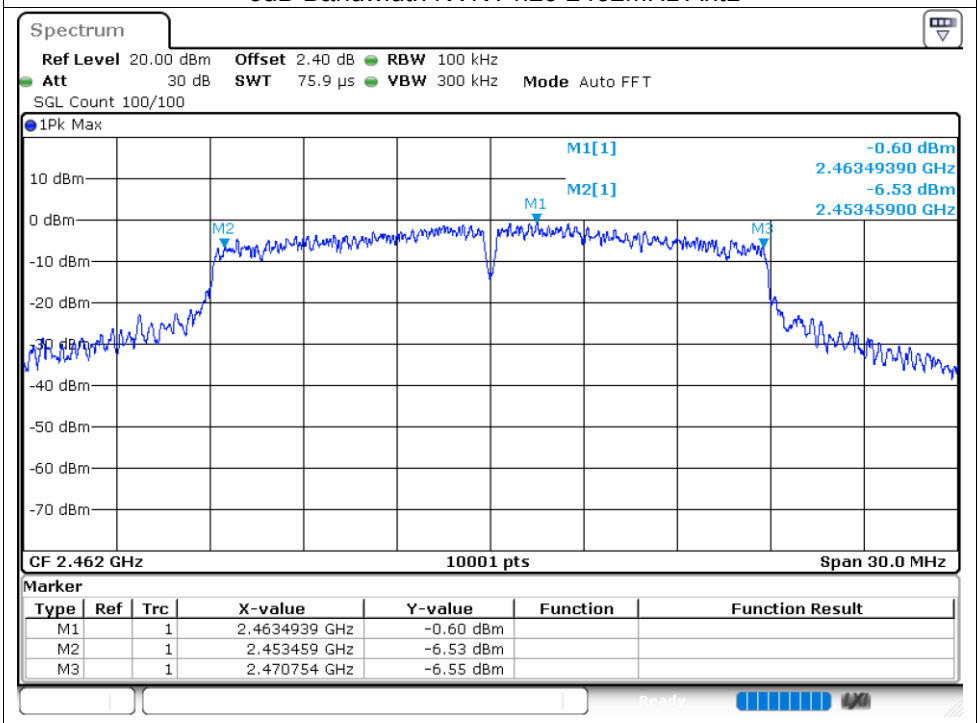
-6dB Bandwidth NVNT n20 2437MHz Ant1



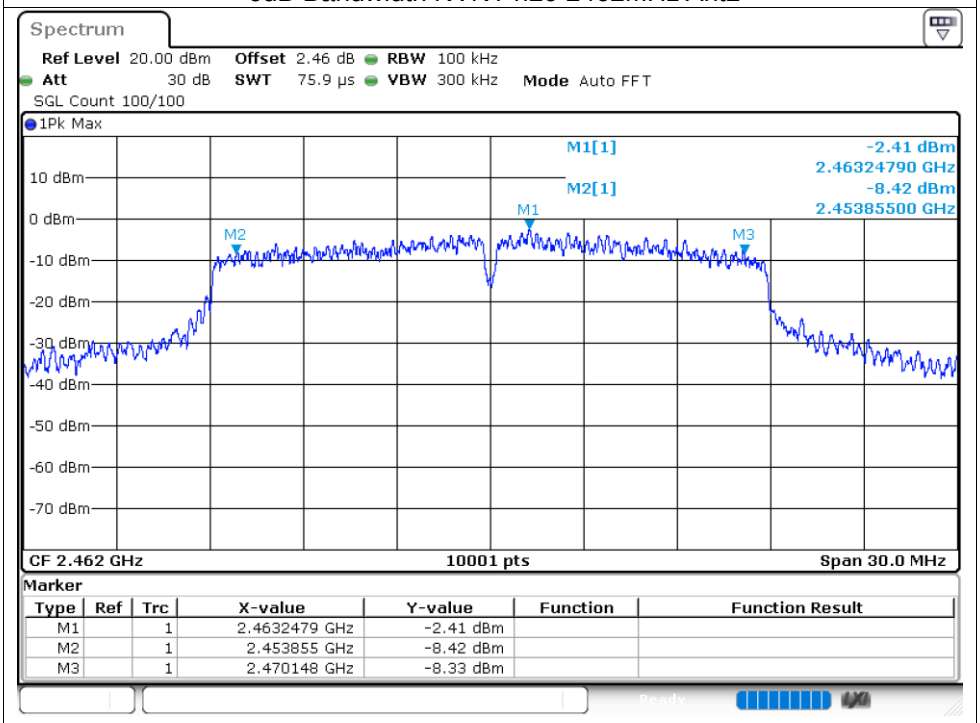
-6dB Bandwidth NVNT n20 2437MHz Ant2



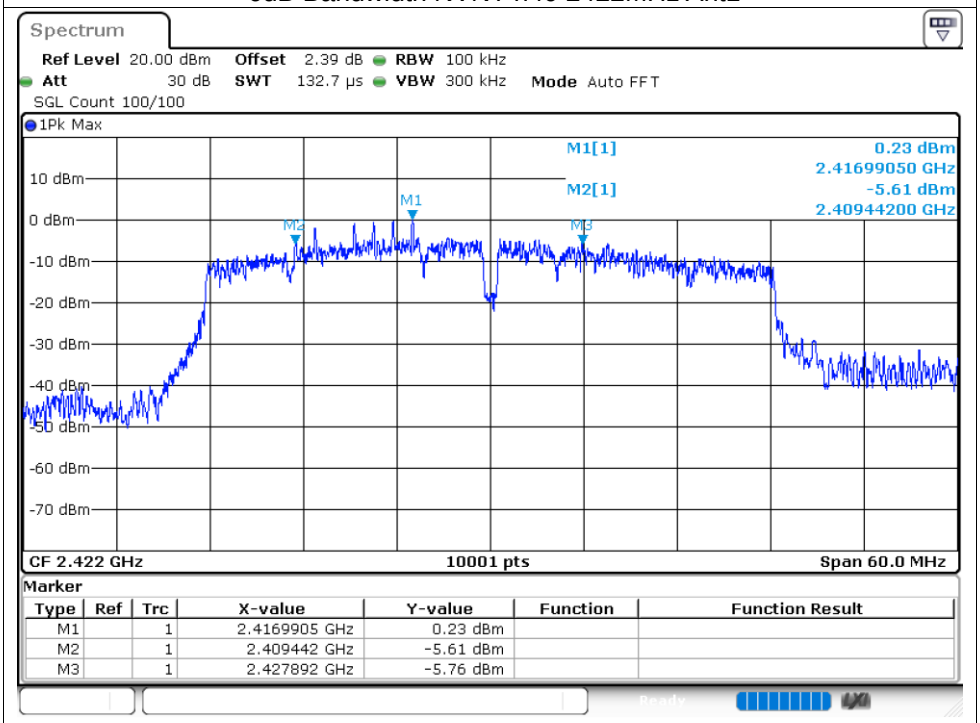
-6dB Bandwidth NVNT n20 2462MHz Ant1



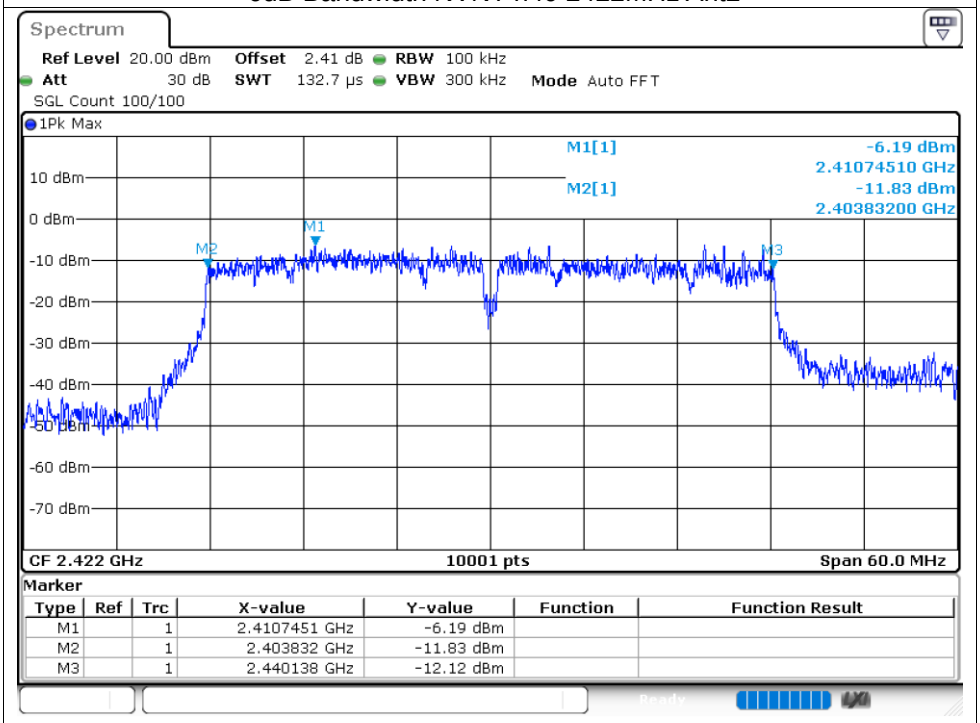
-6dB Bandwidth NVNT n20 2462MHz Ant2



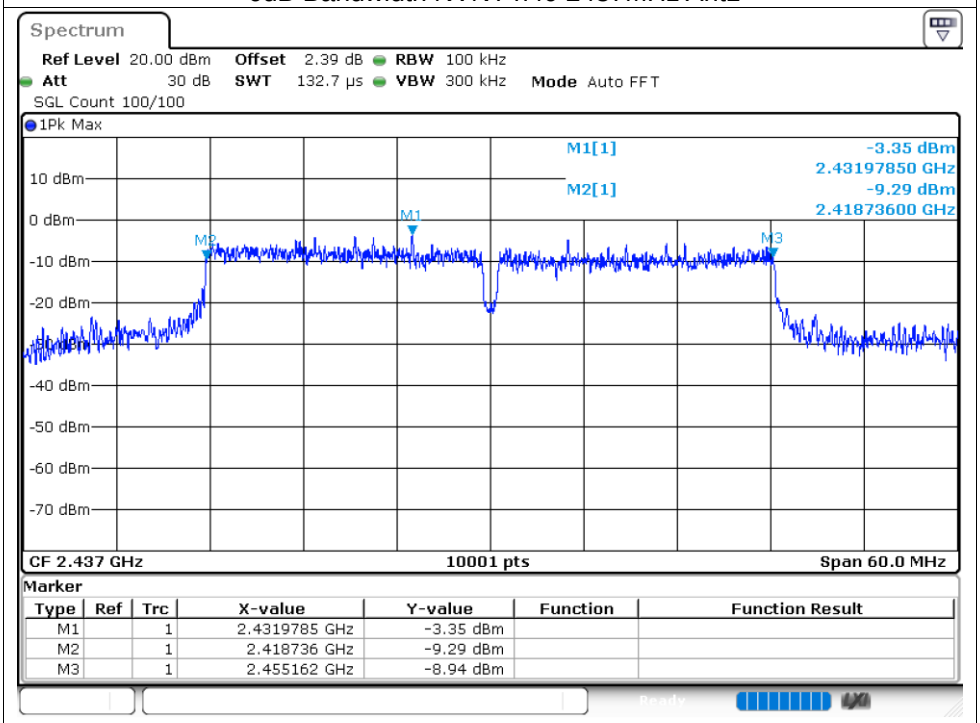
-6dB Bandwidth NVNT n40 2422MHz Ant1



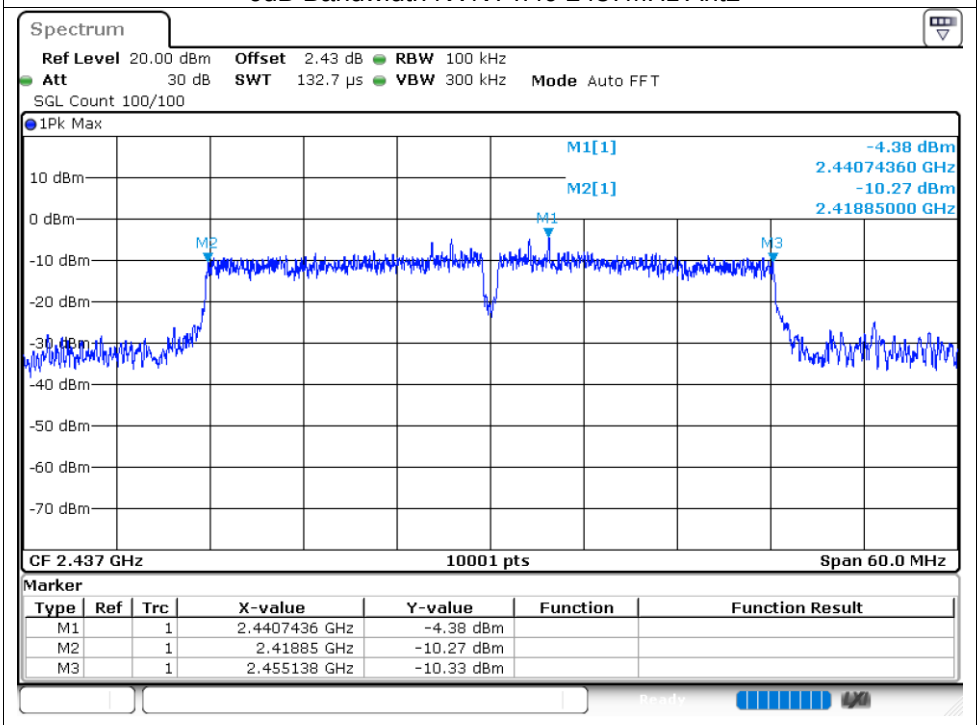
-6dB Bandwidth NVNT n40 2422MHz Ant2



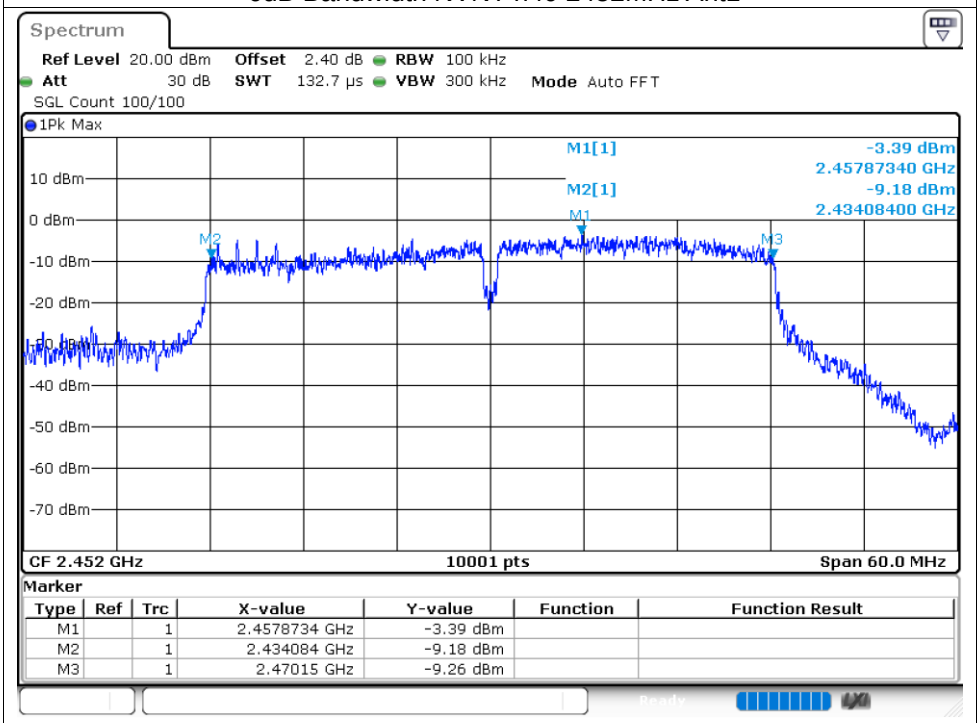
-6dB Bandwidth NVNT n40 2437MHz Ant1



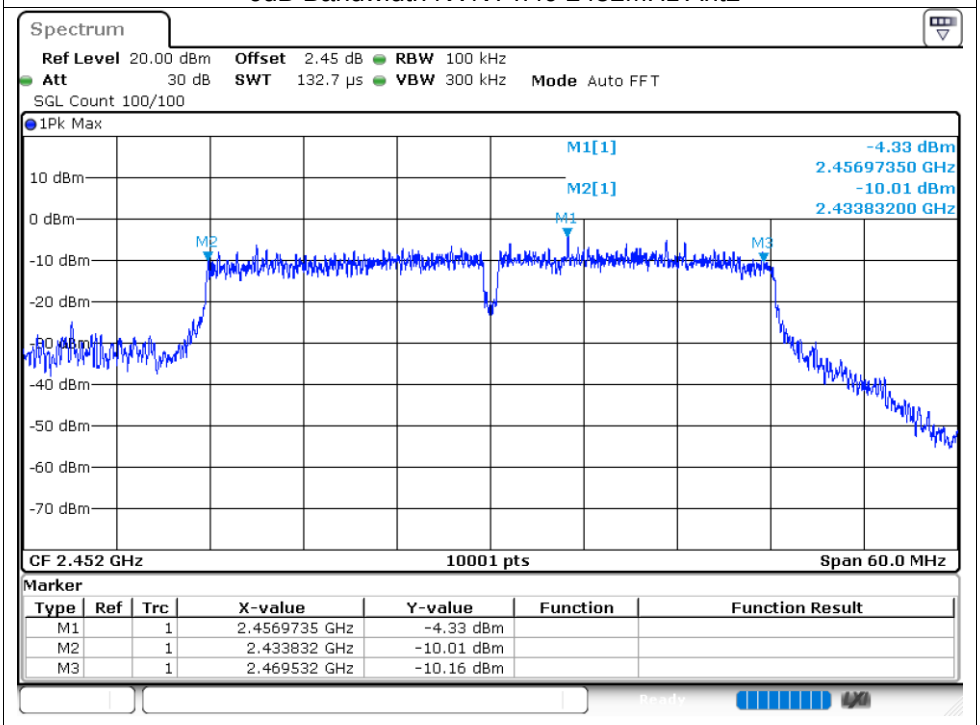
-6dB Bandwidth NVNT n40 2437MHz Ant2



-6dB Bandwidth NVNT n40 2452MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant2

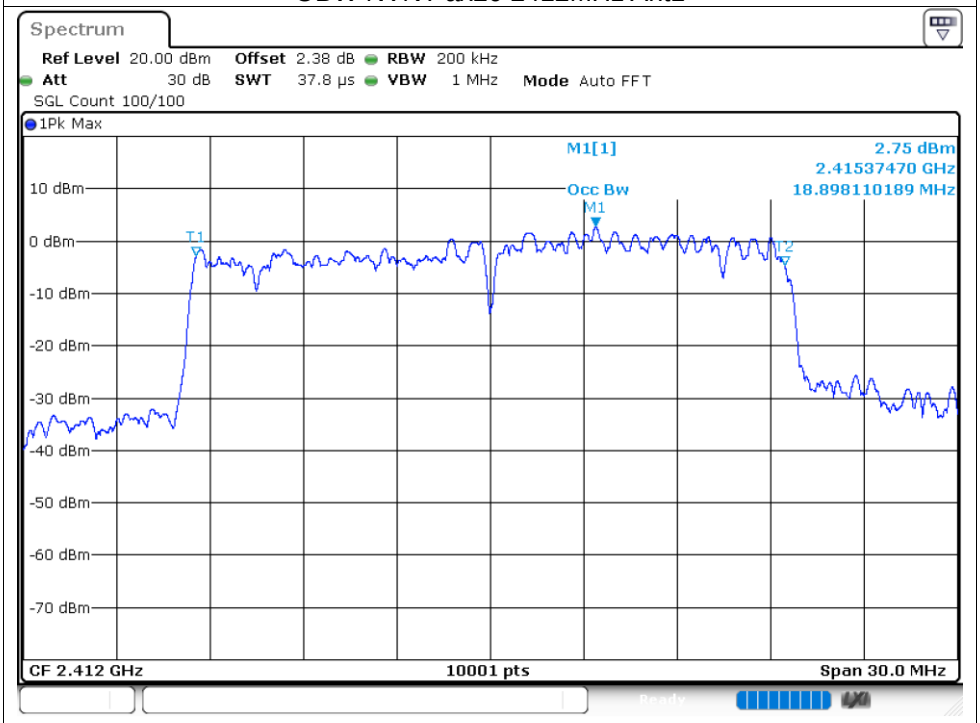


8.2.4 Occupied Channel Bandwidth

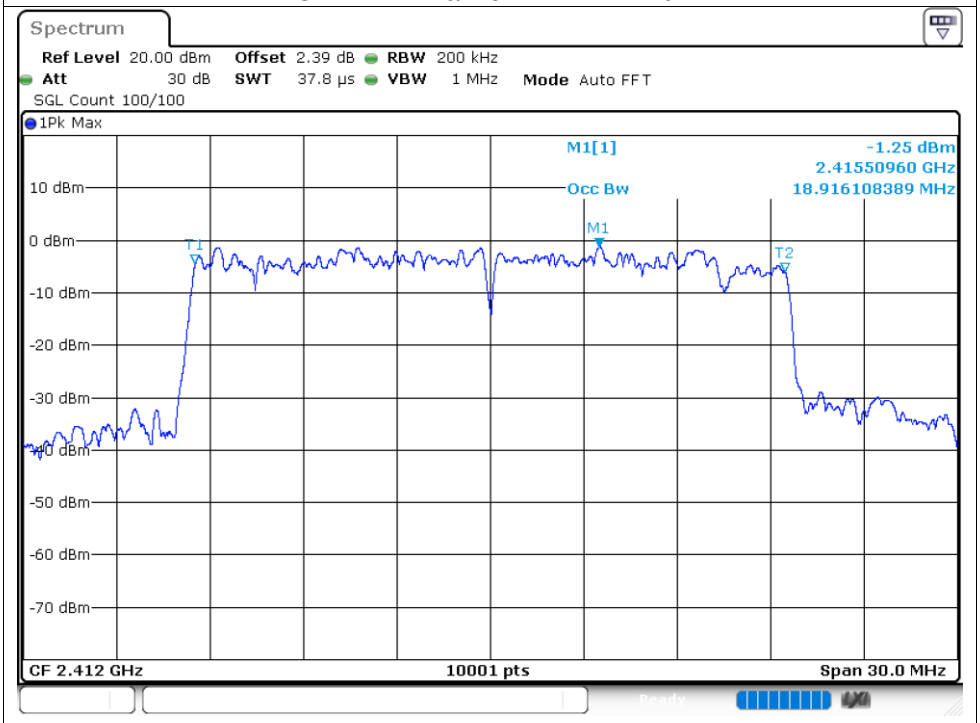
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	2412	Ant1	18.898
NVNT	ax20	2412	Ant2	18.916
NVNT	ax20	2437	Ant1	19.135
NVNT	ax20	2437	Ant2	18.847
NVNT	ax20	2462	Ant1	18.727
NVNT	ax20	2462	Ant2	18.784
NVNT	ax40	2422	Ant1	37.274
NVNT	ax40	2422	Ant2	37.622
NVNT	ax40	2437	Ant1	38.132
NVNT	ax40	2437	Ant2	37.898
NVNT	ax40	2452	Ant1	37.49
NVNT	ax40	2452	Ant2	37.652
NVNT	n20	2412	Ant1	17.815
NVNT	n20	2412	Ant2	17.71
NVNT	n20	2437	Ant1	17.77
NVNT	n20	2437	Ant2	17.611
NVNT	n20	2462	Ant1	17.569
NVNT	n20	2462	Ant2	17.635
NVNT	n40	2422	Ant1	35.828
NVNT	n40	2422	Ant2	36.23
NVNT	n40	2437	Ant1	37.802
NVNT	n40	2437	Ant2	36.77
NVNT	n40	2452	Ant1	36.182
NVNT	n40	2452	Ant2	36.26

Test Graphs

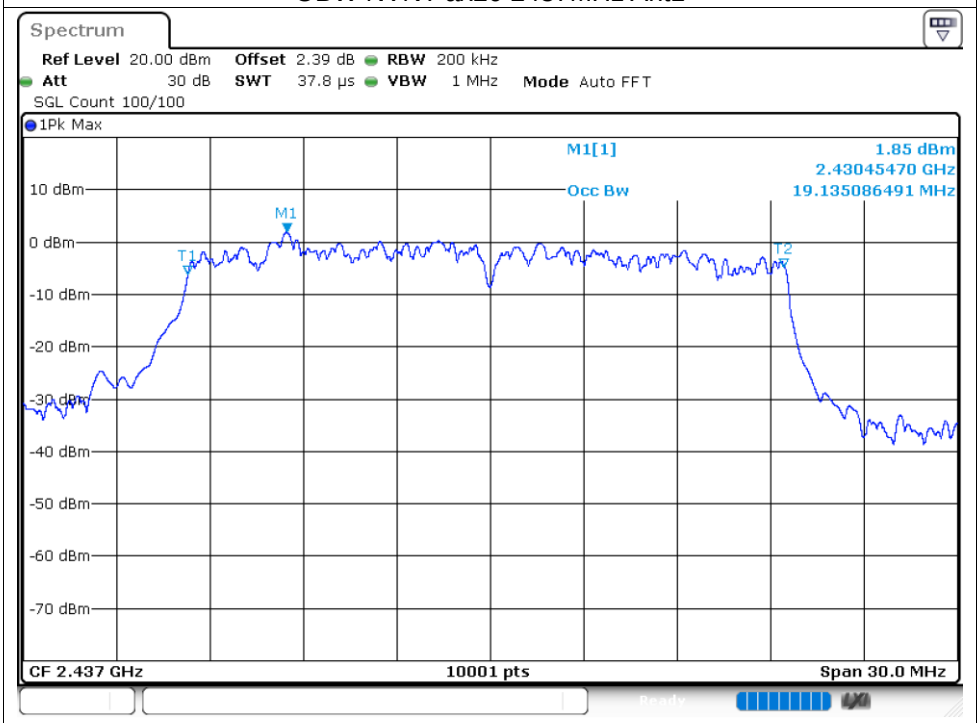
OBW NVNT ax20 2412MHz Ant1



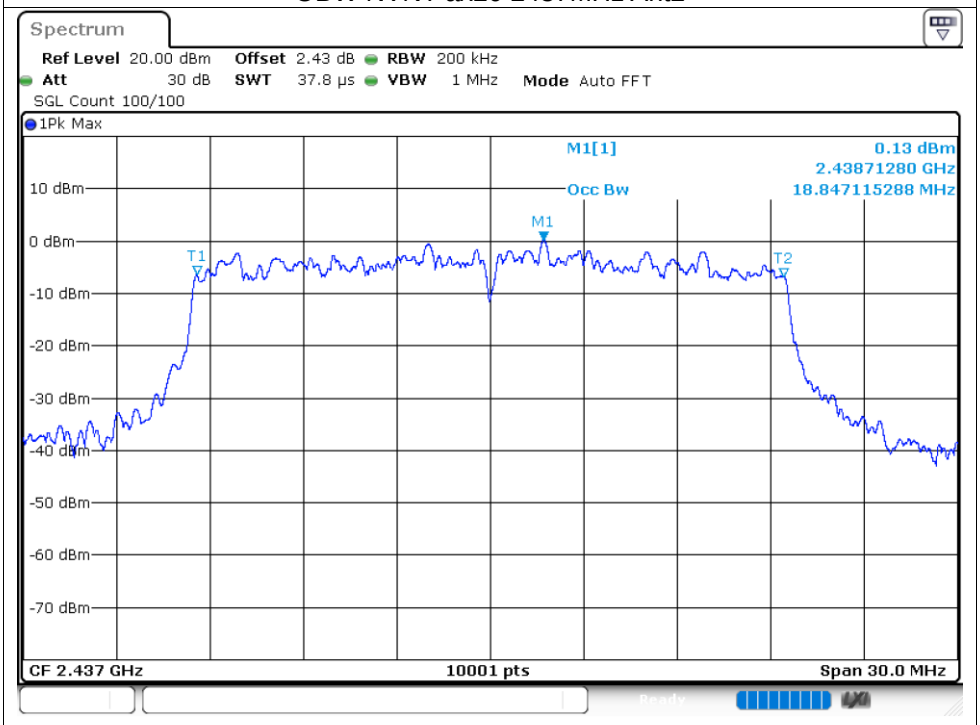
OBW NVNT ax20 2412MHz Ant2



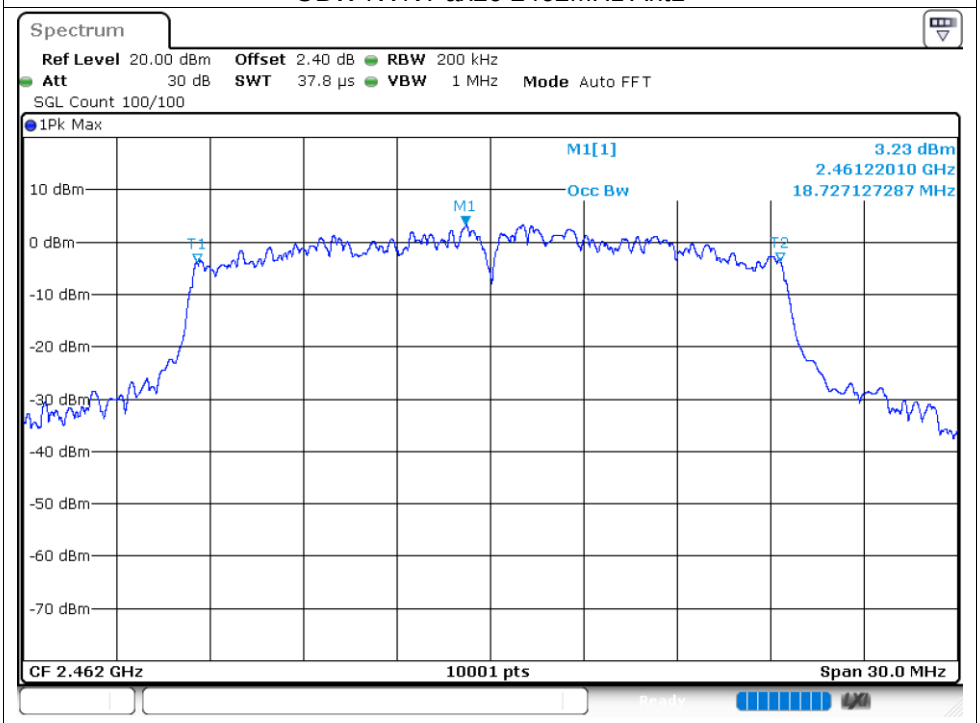
OBW NVNT ax20 2437MHz Ant1



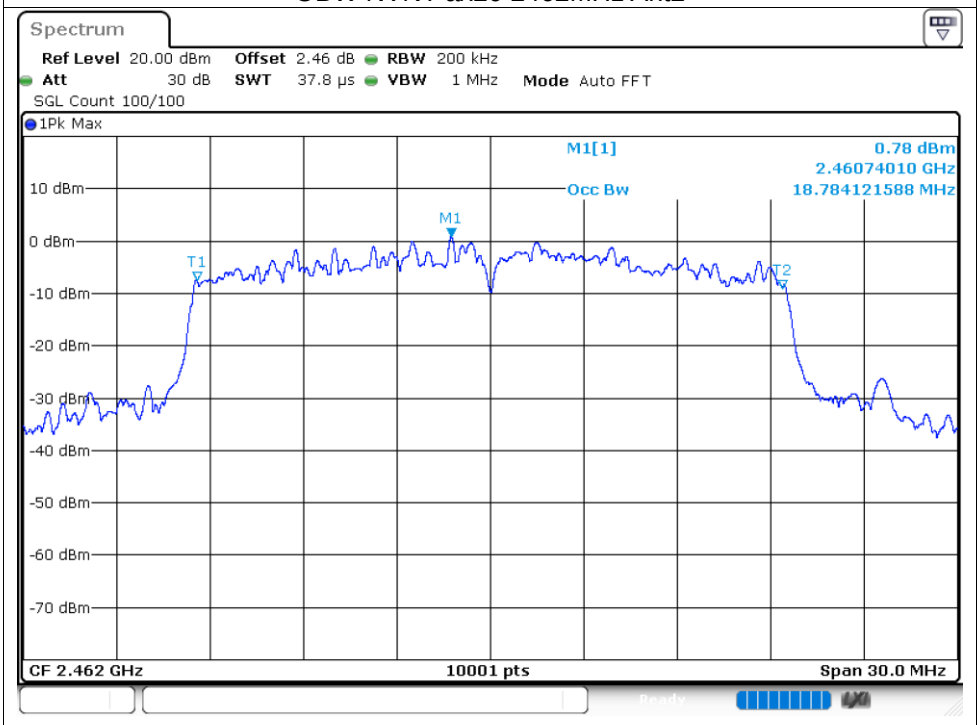
OBW NVNT ax20 2437MHz Ant2



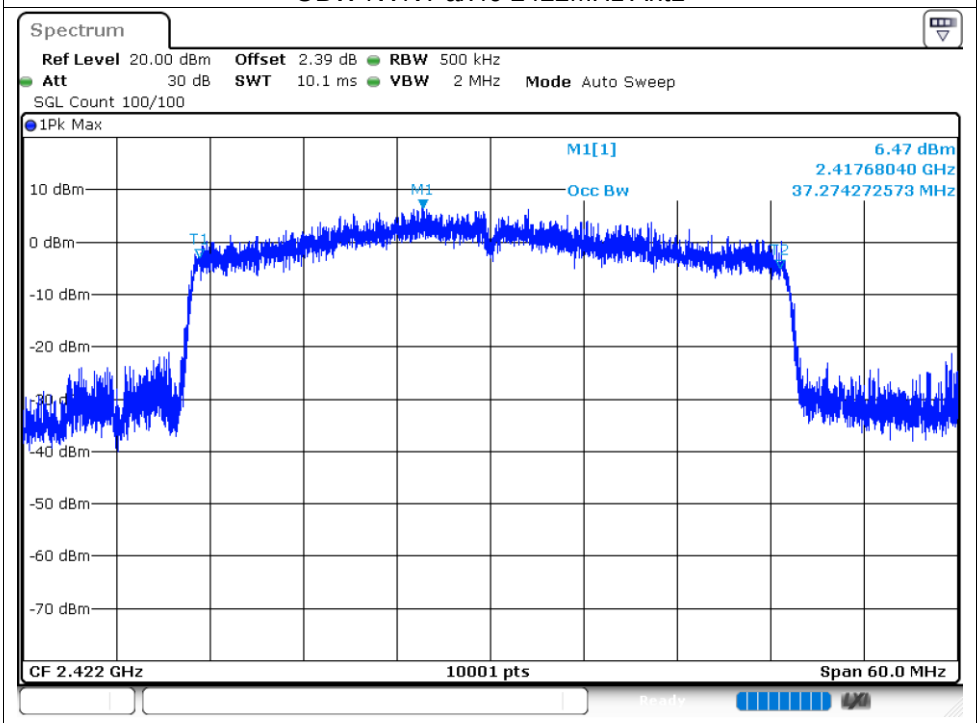
OBW NVNT ax20 2462MHz Ant1



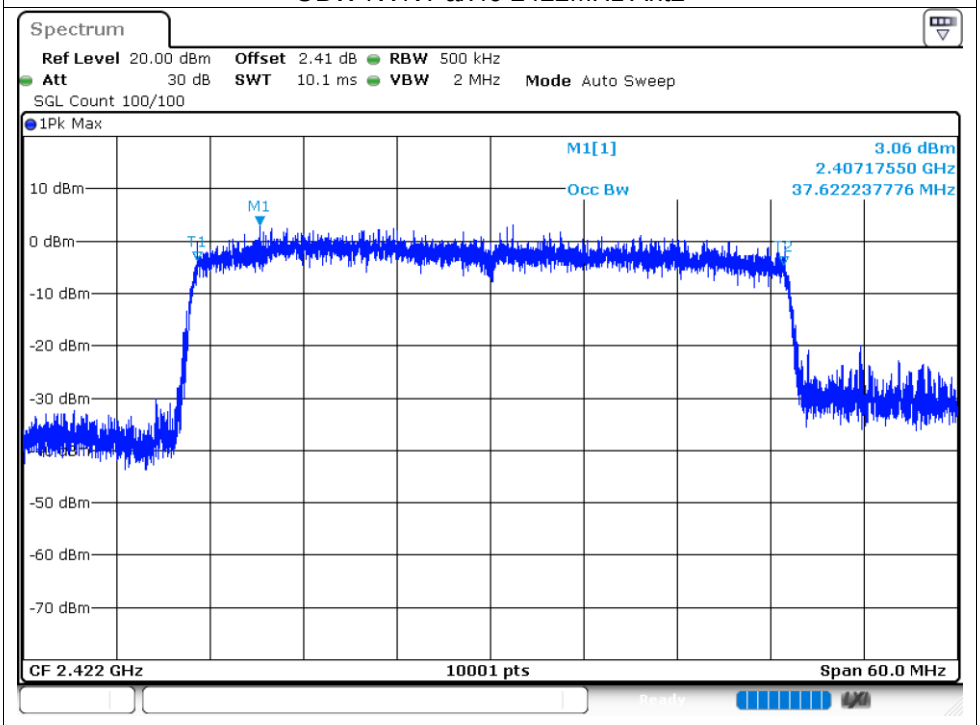
OBW NVNT ax20 2462MHz Ant2



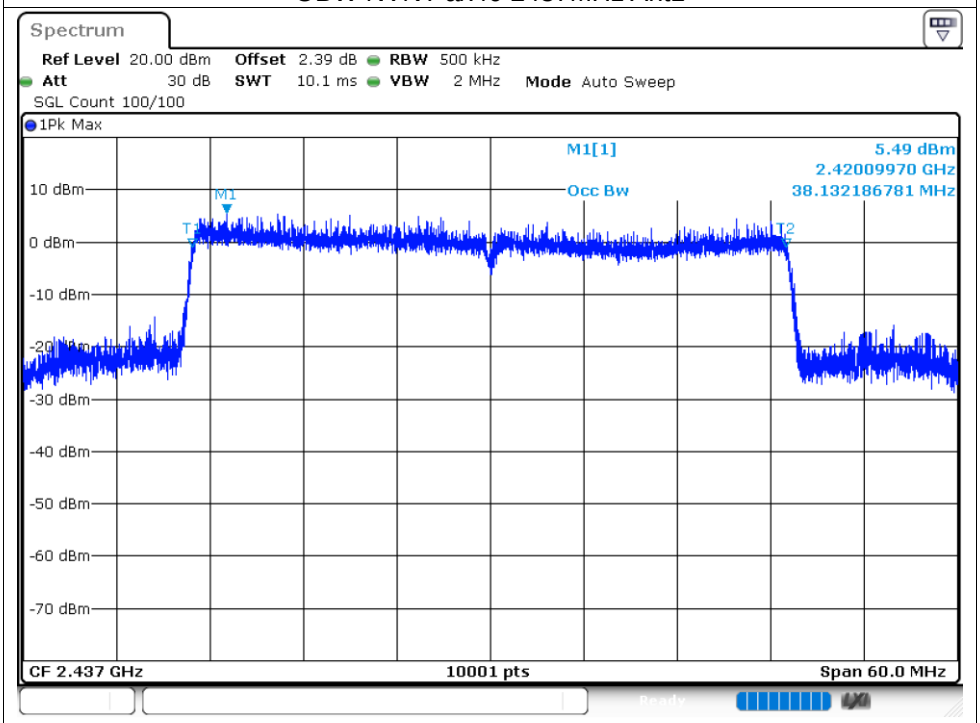
OBW NVNT ax40 2422MHz Ant1



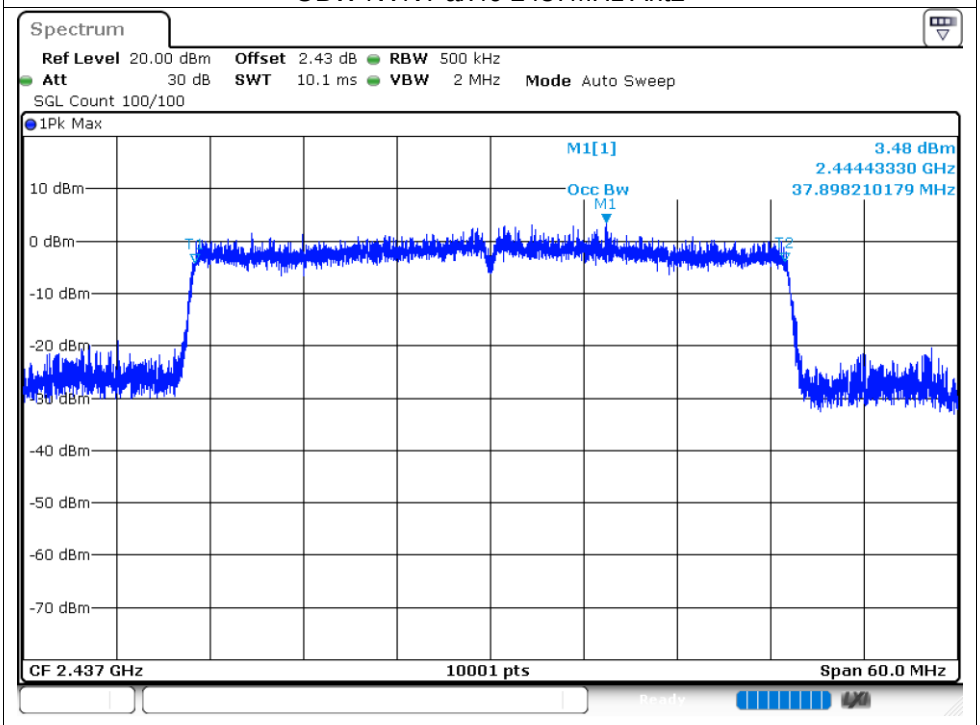
OBW NVNT ax40 2422MHz Ant2



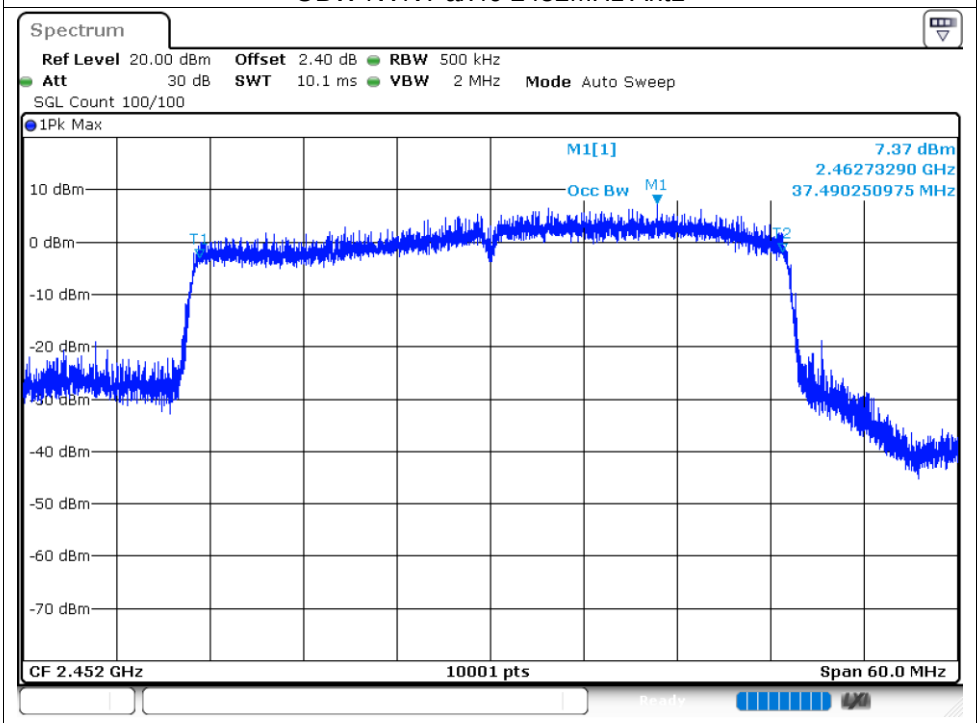
OBW NVNT ax40 2437MHz Ant1



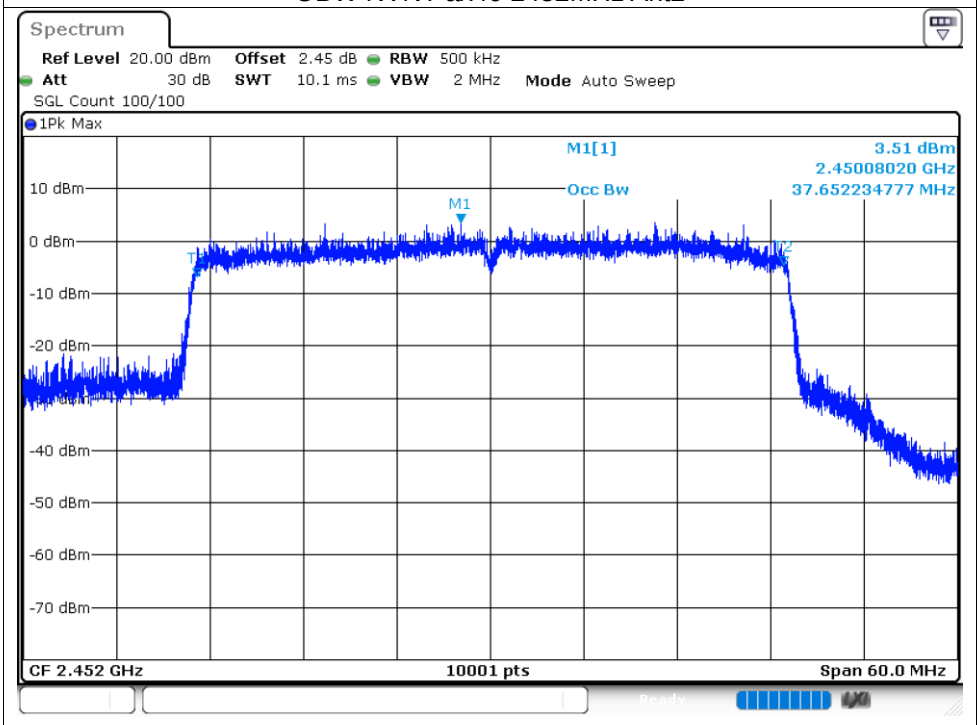
OBW NVNT ax40 2437MHz Ant2



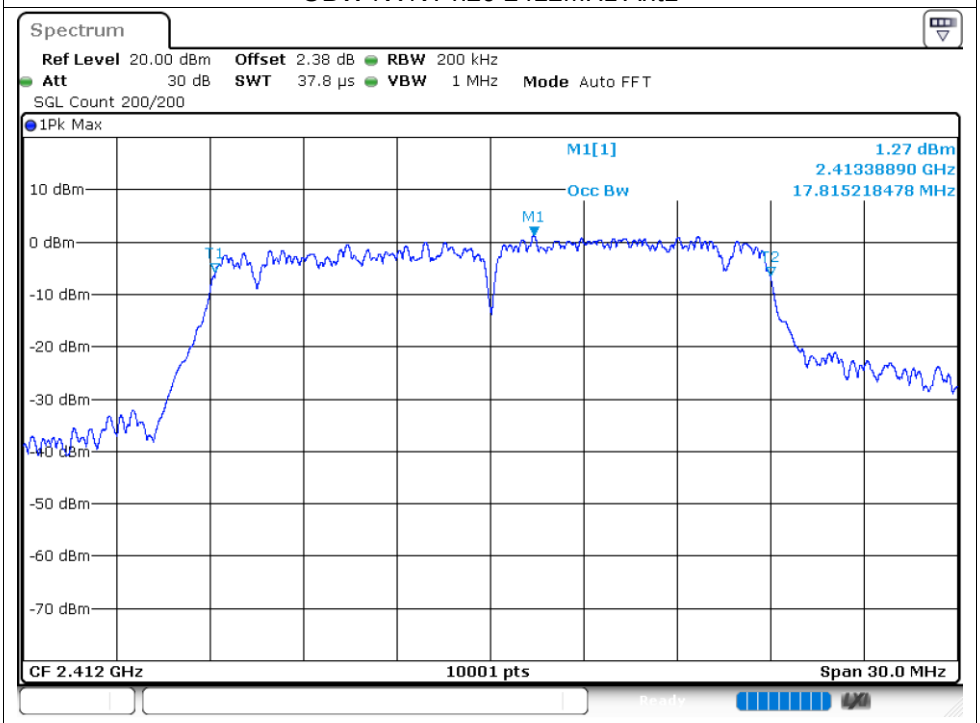
OBW NVNT ax40 2452MHz Ant1



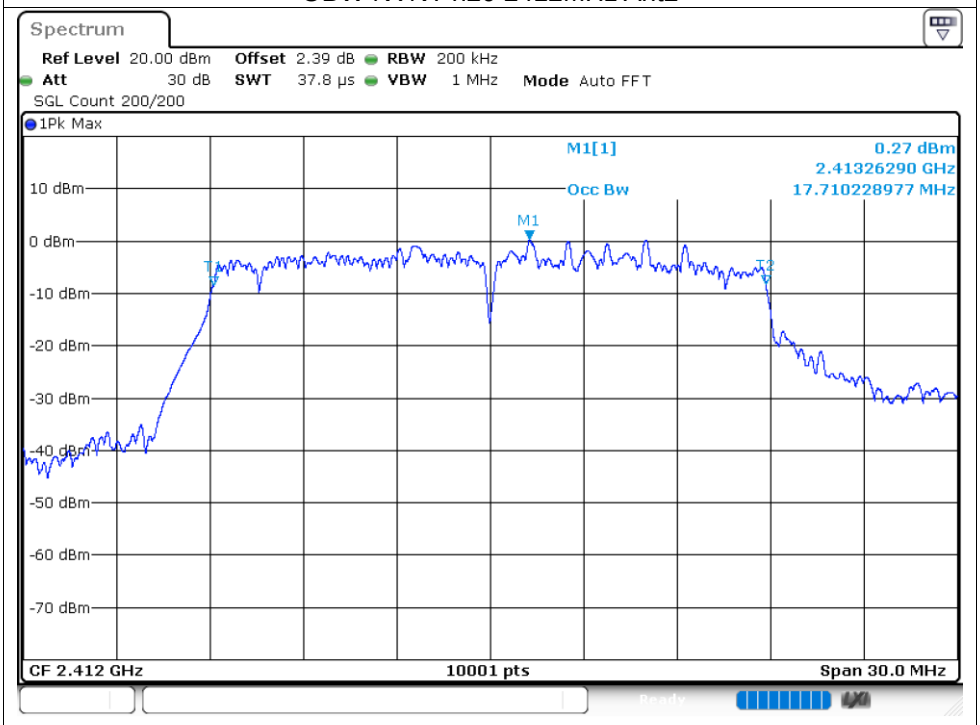
OBW NVNT ax40 2452MHz Ant2



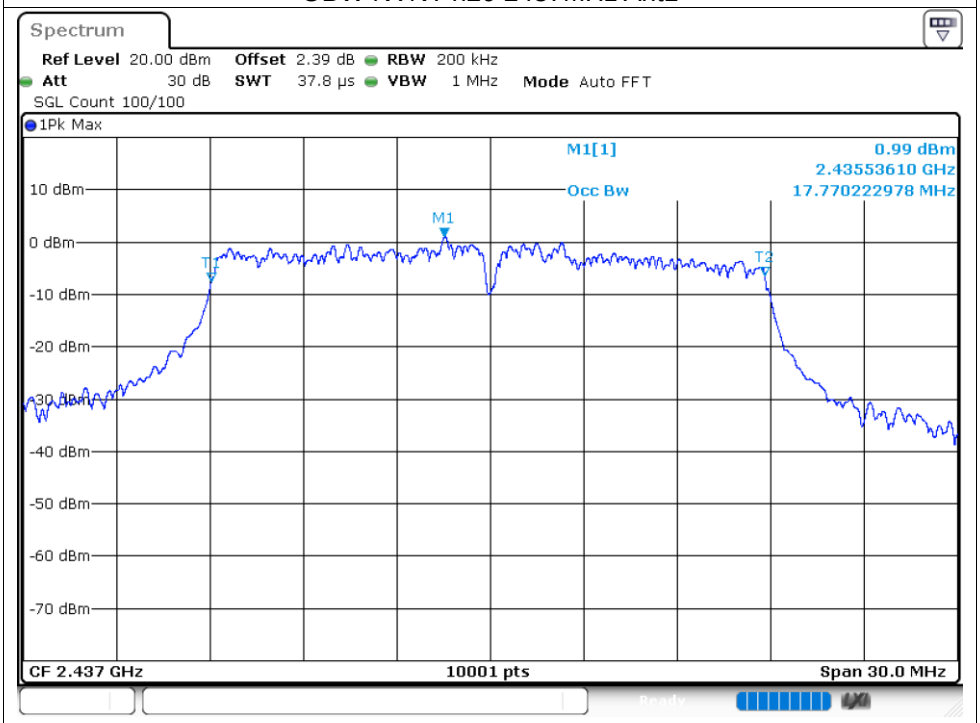
OBW NVNT n20 2412MHz Ant1



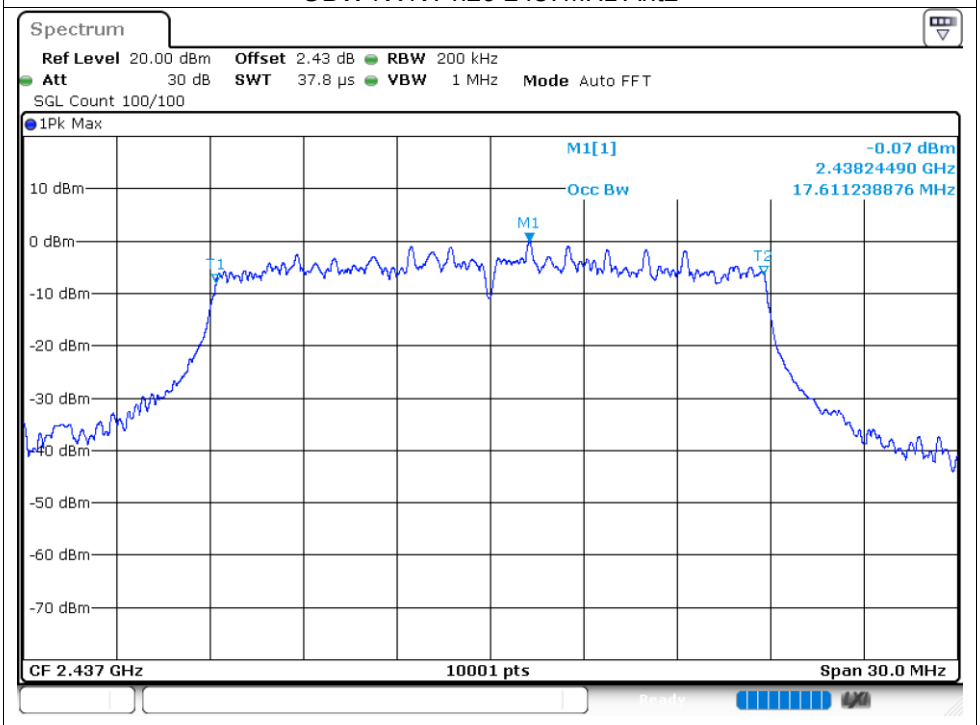
OBW NVNT n20 2412MHz Ant2



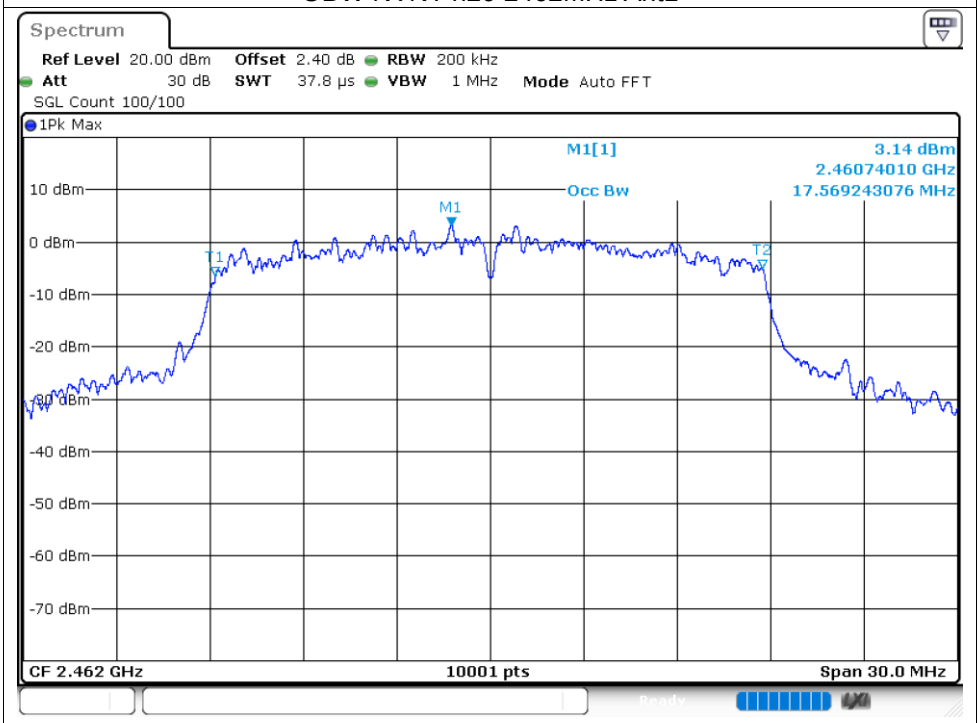
OBW NVNT n20 2437MHz Ant1



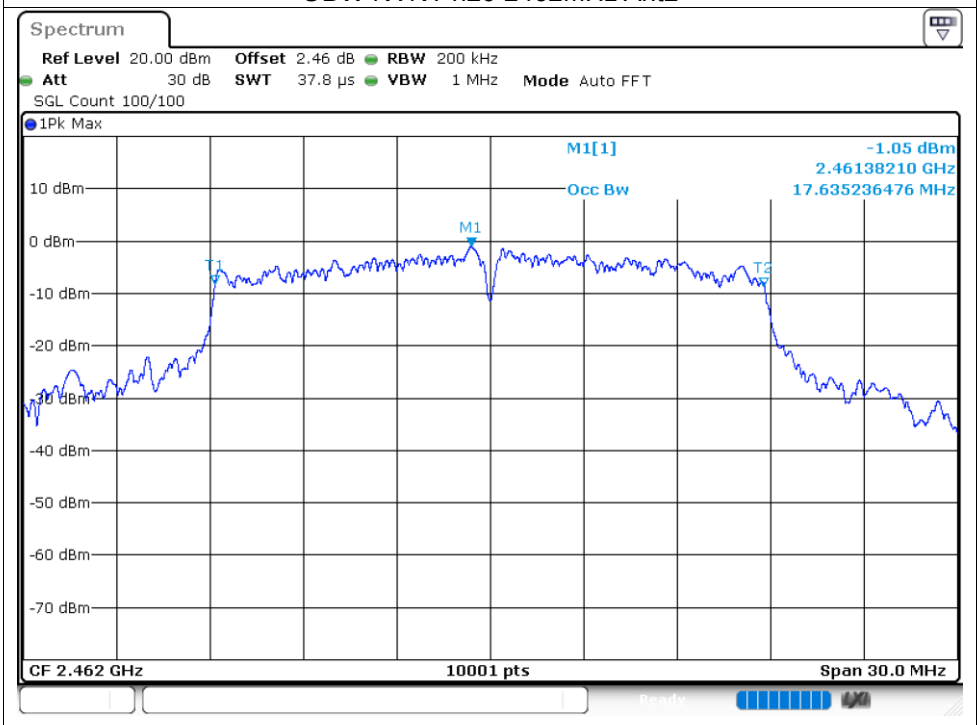
OBW NVNT n20 2437MHz Ant2



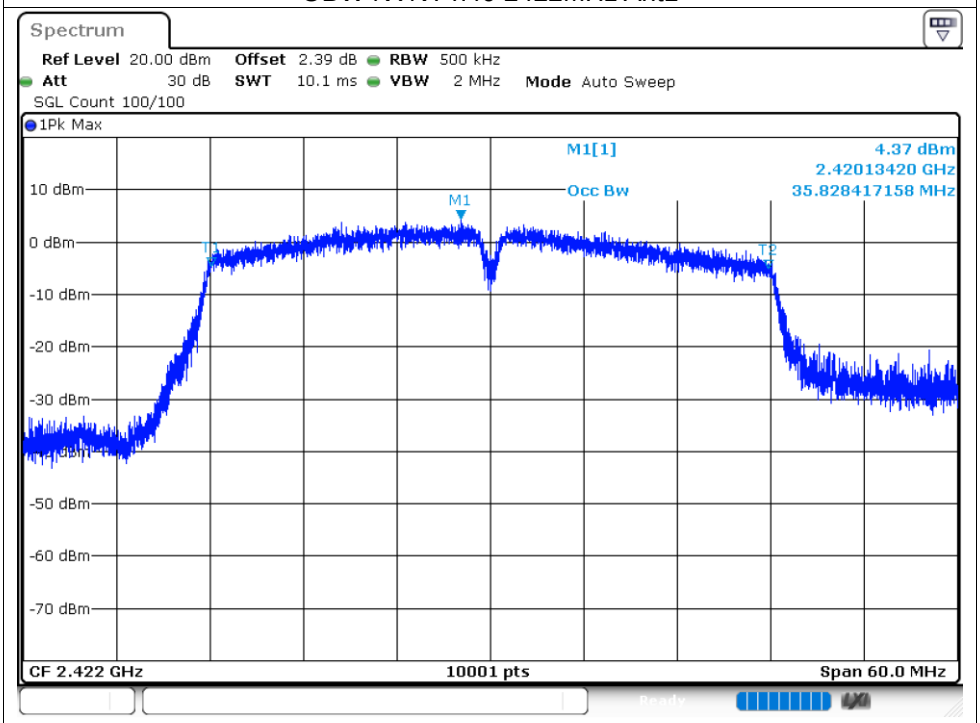
OBW NVNT n20 2462MHz Ant1



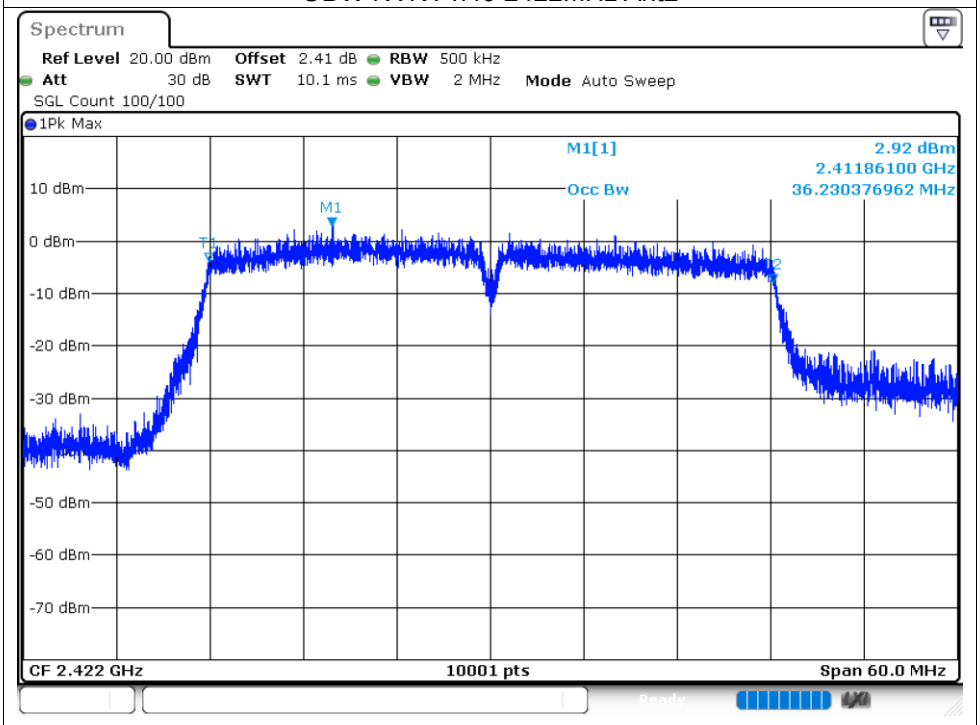
OBW NVNT n20 2462MHz Ant2



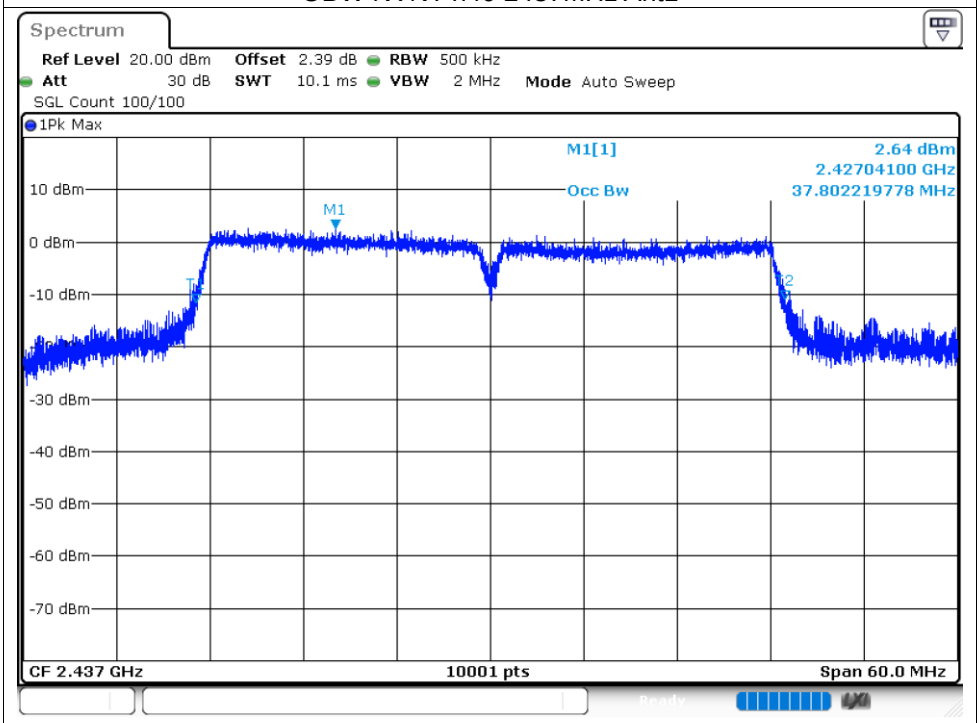
OBW NVNT n40 2422MHz Ant1



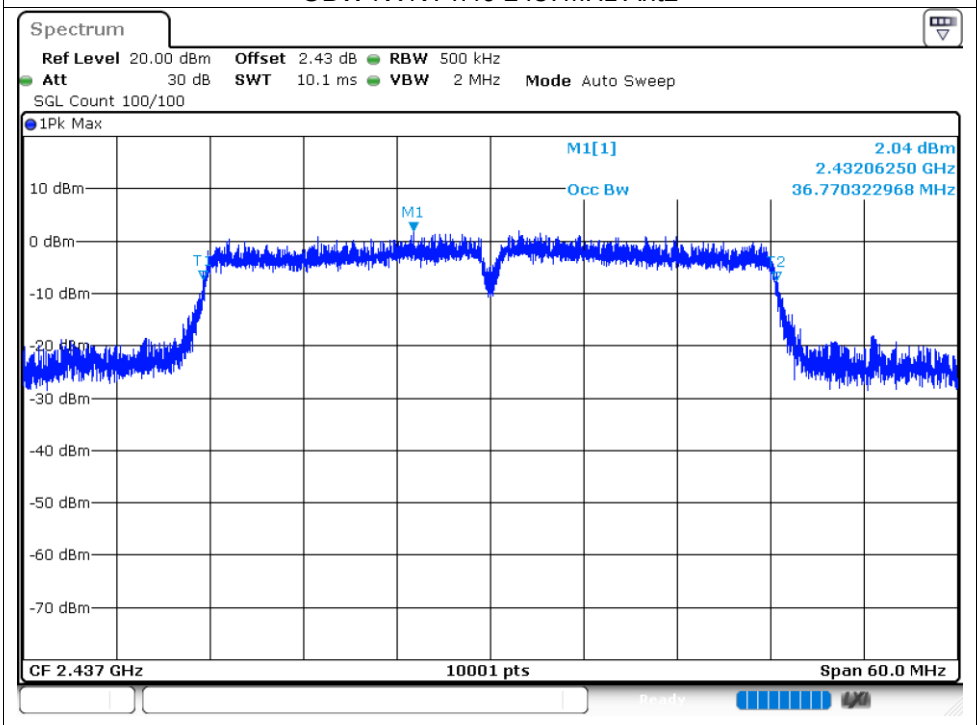
OBW NVNT n40 2422MHz Ant2



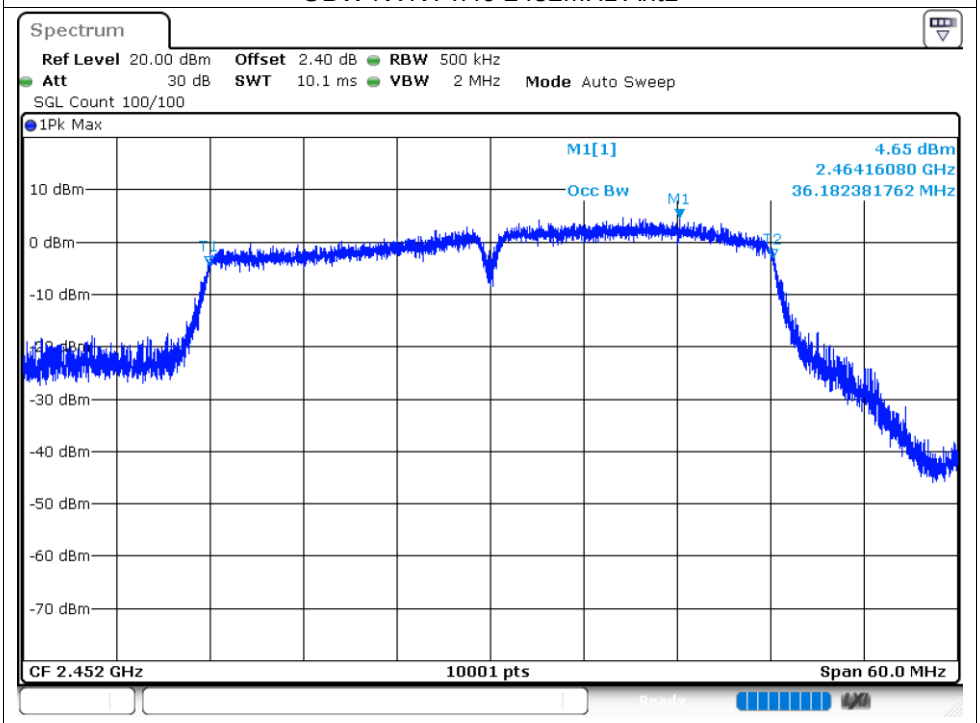
OBW NVNT n40 2437MHz Ant1



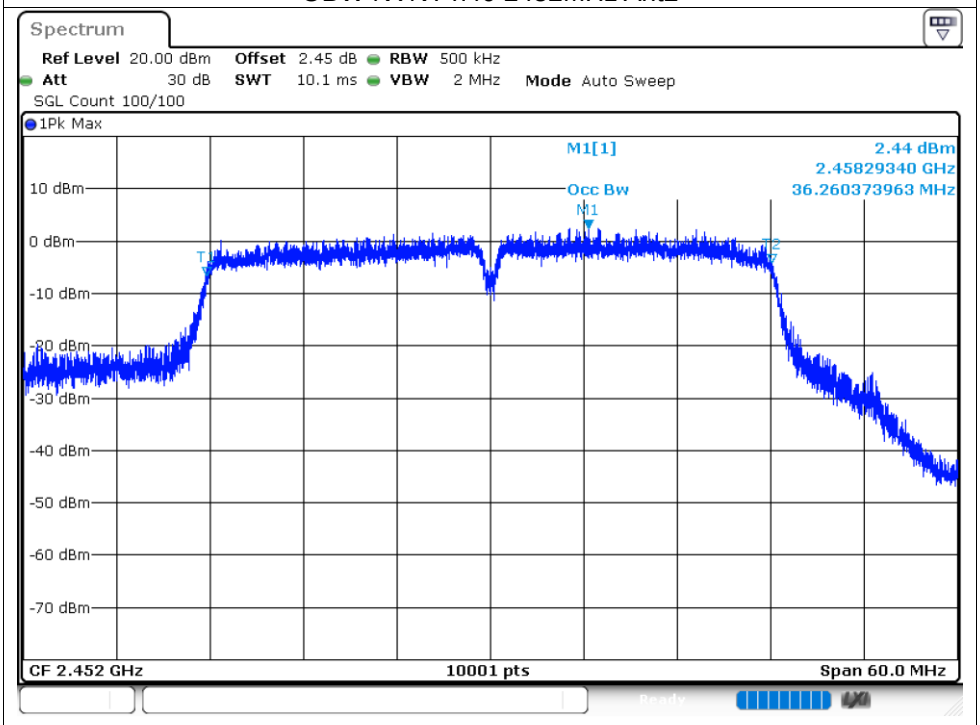
OBW NVNT n40 2437MHz Ant2



OBW NVNT n40 2452MHz Ant1



OBW NVNT n40 2452MHz Ant2

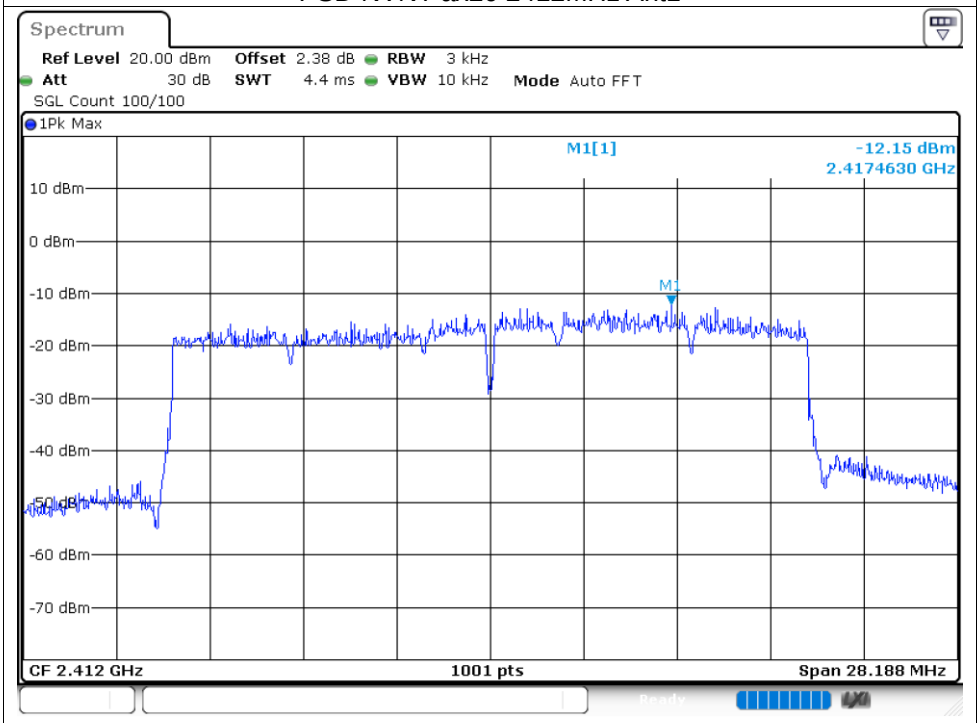


8.2.5 Maximum Power Spectral Density Level

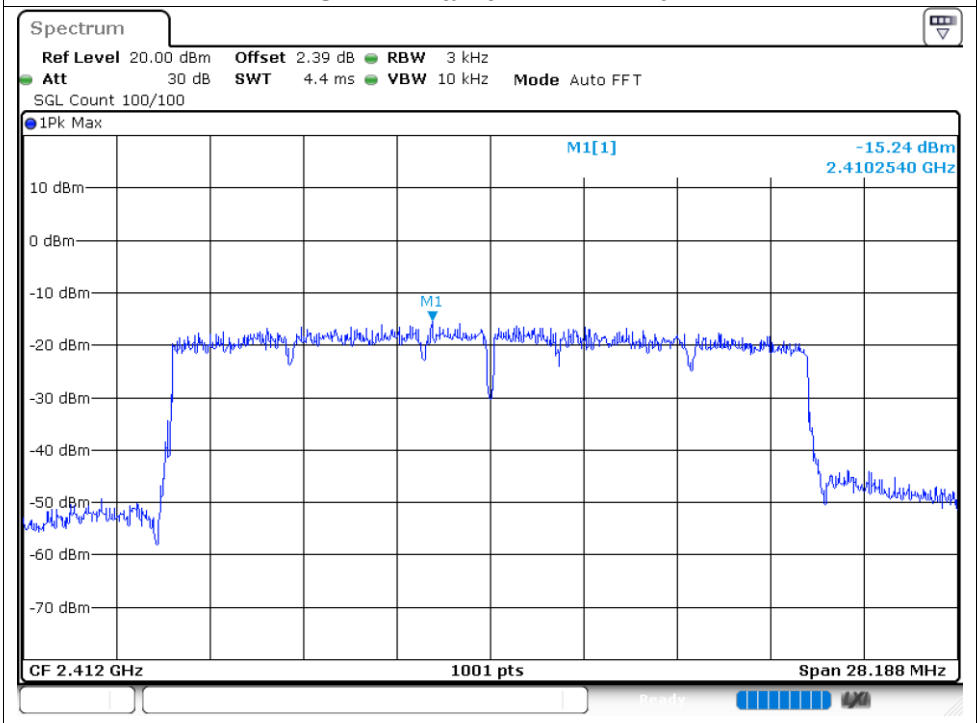
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	-12.15	8	Pass
NVNT	ax20	2412	Ant2	-15.24	8	Pass
NVNT	ax20	2412	Sum	-10.42	8	Pass
NVNT	ax20	2437	Ant1	-13.76	8	Pass
NVNT	ax20	2437	Ant2	-15.92	8	Pass
NVNT	ax20	2437	Sum	-11.7	8	Pass
NVNT	ax20	2462	Ant1	-12.29	8	Pass
NVNT	ax20	2462	Ant2	-15.36	8	Pass
NVNT	ax20	2462	Sum	-10.55	8	Pass
NVNT	ax40	2422	Ant1	-15.67	8	Pass
NVNT	ax40	2422	Ant2	-18.99	8	Pass
NVNT	ax40	2422	Sum	-14.01	8	Pass
NVNT	ax40	2437	Ant1	-16.96	8	Pass
NVNT	ax40	2437	Ant2	-18.89	8	Pass
NVNT	ax40	2437	Sum	-14.81	8	Pass
NVNT	ax40	2452	Ant1	-14.91	8	Pass
NVNT	ax40	2452	Ant2	-16.54	8	Pass
NVNT	ax40	2452	Sum	-12.64	8	Pass
NVNT	n20	2412	Ant1	-10.97	8	Pass
NVNT	n20	2412	Ant2	-14.18	8	Pass
NVNT	n20	2412	Sum	-9.27	8	Pass
NVNT	n20	2437	Ant1	-13.02	8	Pass
NVNT	n20	2437	Ant2	-14.35	8	Pass
NVNT	n20	2437	Sum	-10.62	8	Pass
NVNT	n20	2462	Ant1	-11.65	8	Pass
NVNT	n20	2462	Ant2	-14.08	8	Pass
NVNT	n20	2462	Sum	-9.69	8	Pass
NVNT	n40	2422	Ant1	-14.2	8	Pass
NVNT	n40	2422	Ant2	-18.44	8	Pass
NVNT	n40	2422	Sum	-12.81	8	Pass
NVNT	n40	2437	Ant1	-15.96	8	Pass
NVNT	n40	2437	Ant2	-17.68	8	Pass
NVNT	n40	2437	Sum	-13.73	8	Pass
NVNT	n40	2452	Ant1	-14.22	8	Pass
NVNT	n40	2452	Ant2	-18.23	8	Pass
NVNT	n40	2452	Sum	-12.77	8	Pass

Test Graphs

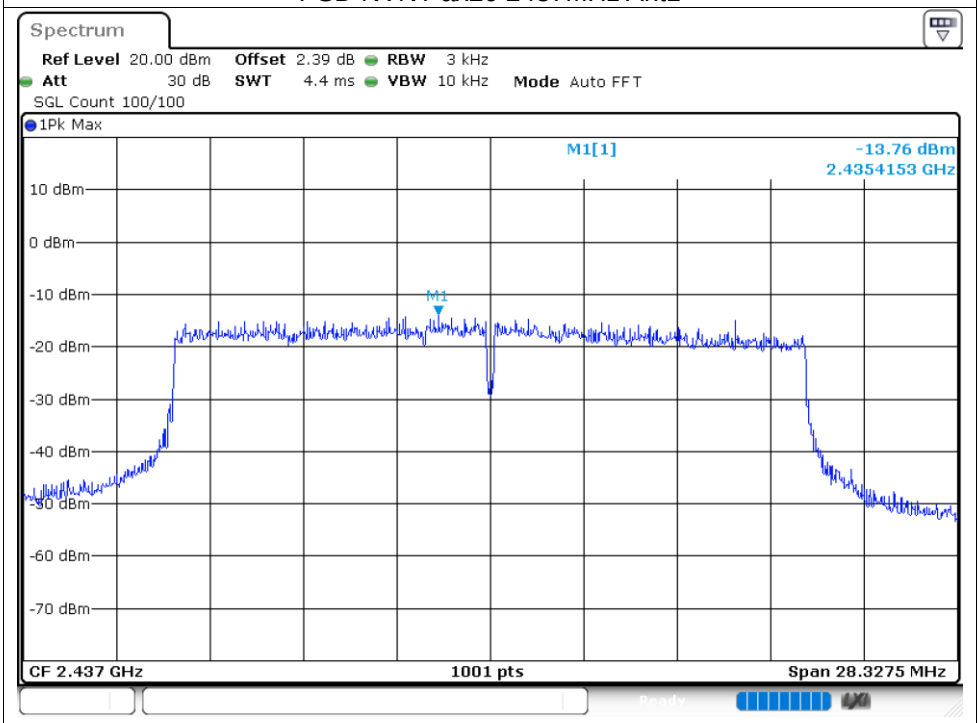
PSD NVNT ax20 2412MHz Ant1



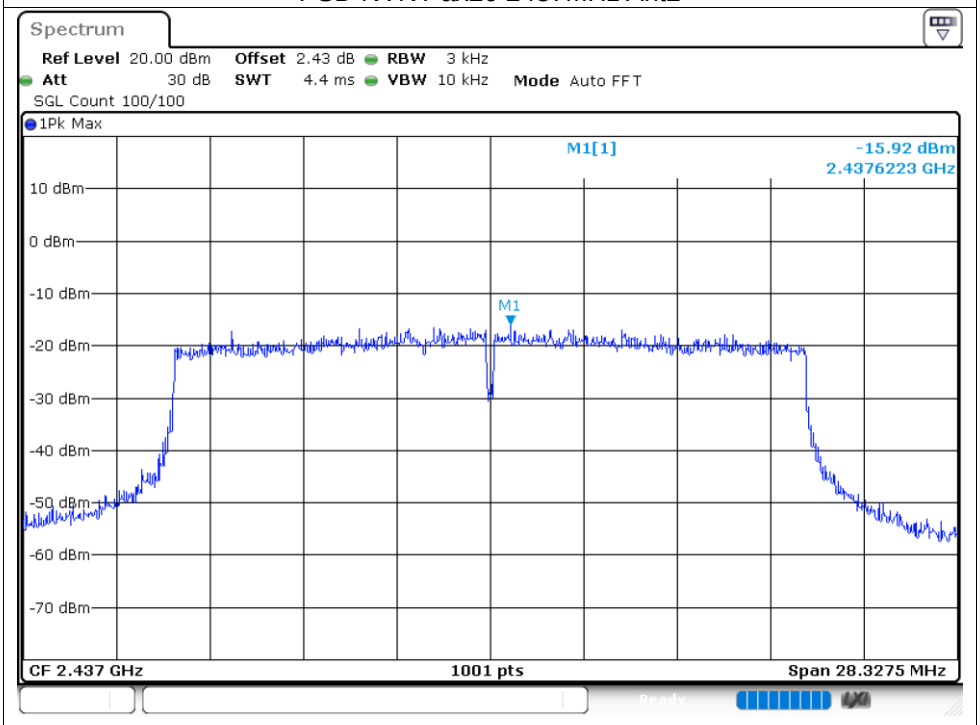
PSD NVNT ax20 2412MHz Ant2



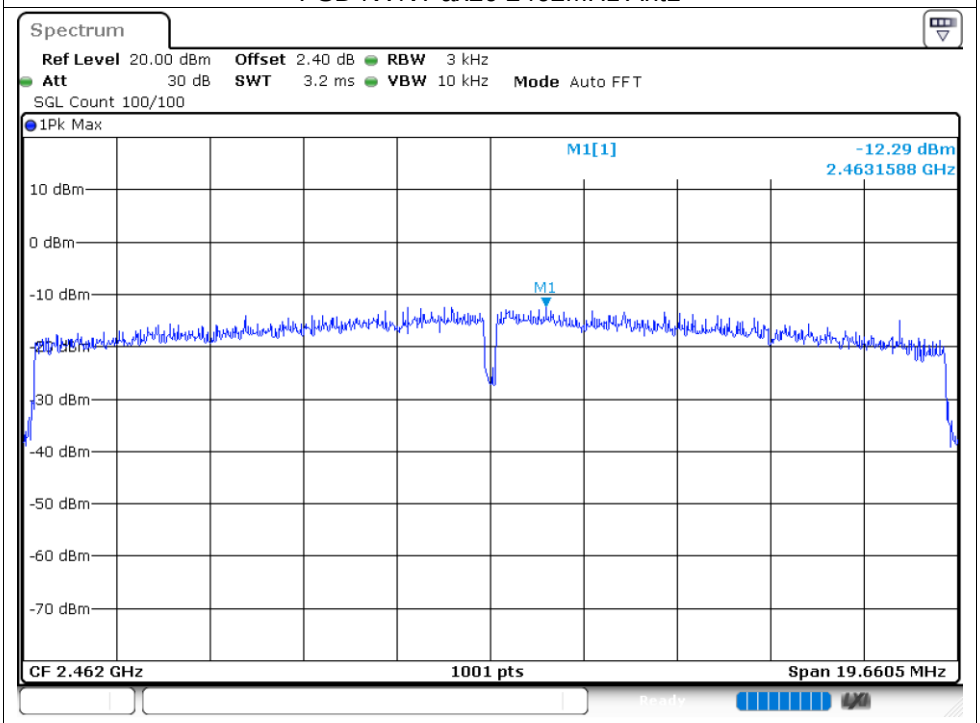
PSD NVNT ax20 2437MHz Ant1



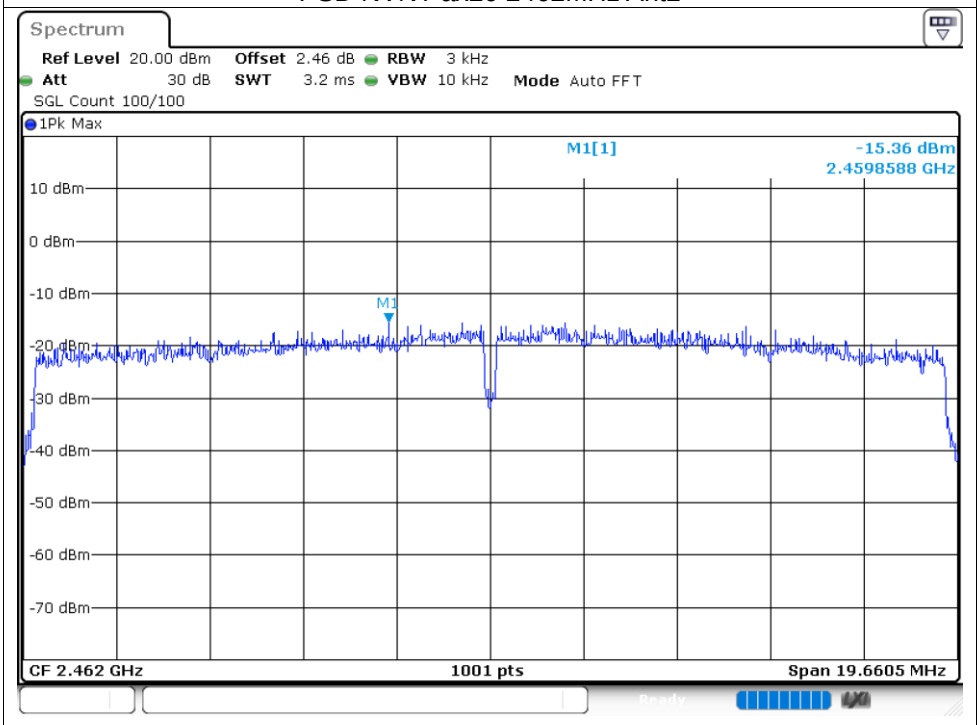
PSD NVNT ax20 2437MHz Ant2



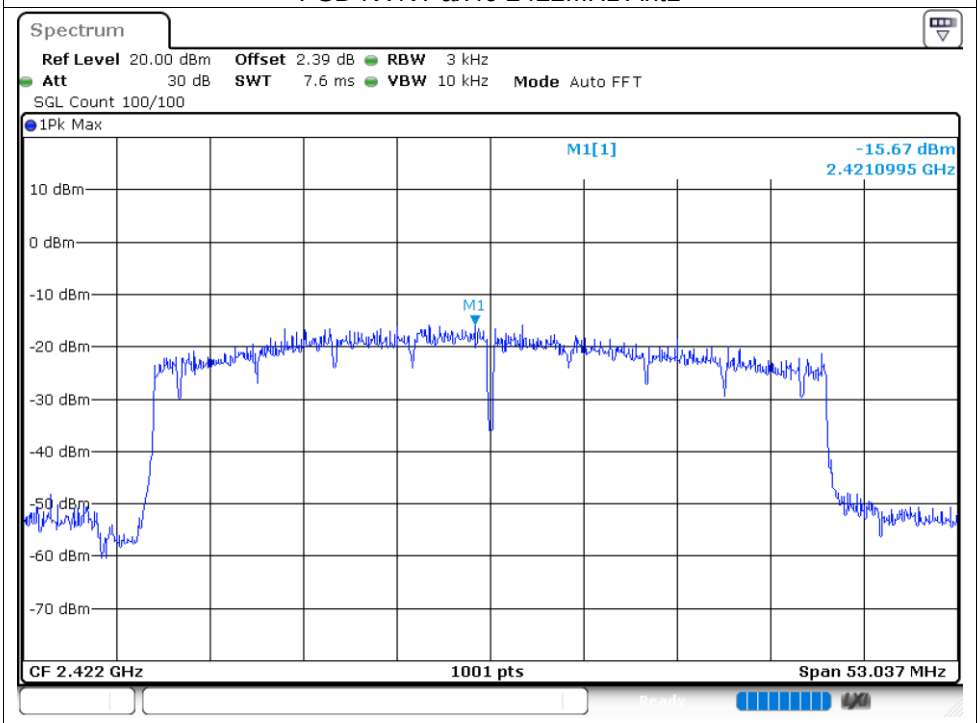
PSD NVNT ax20 2462MHz Ant1



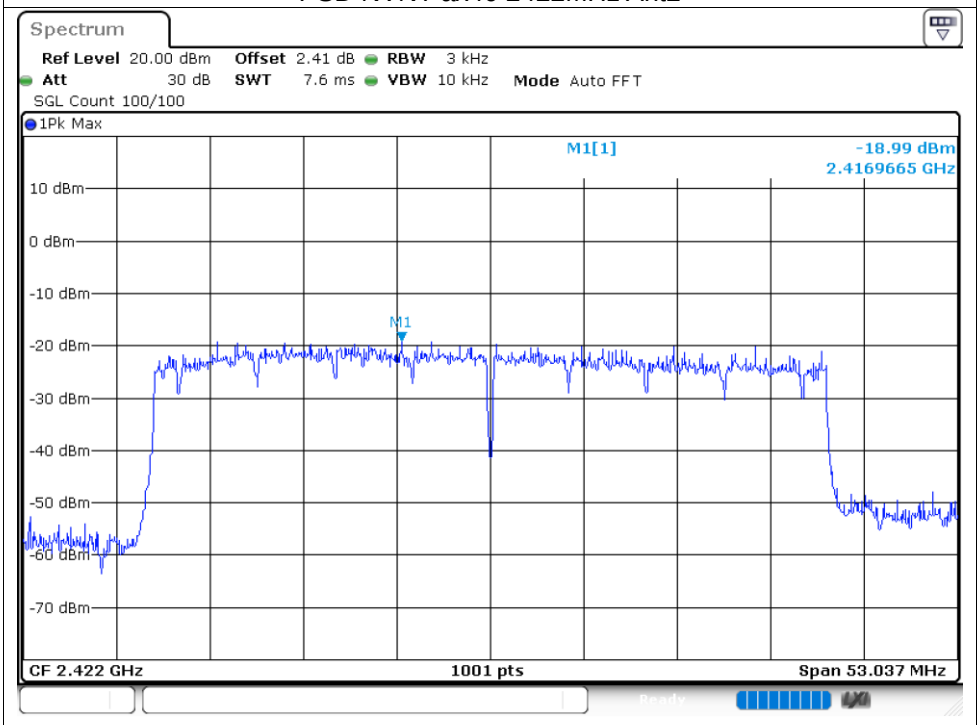
PSD NVNT ax20 2462MHz Ant2



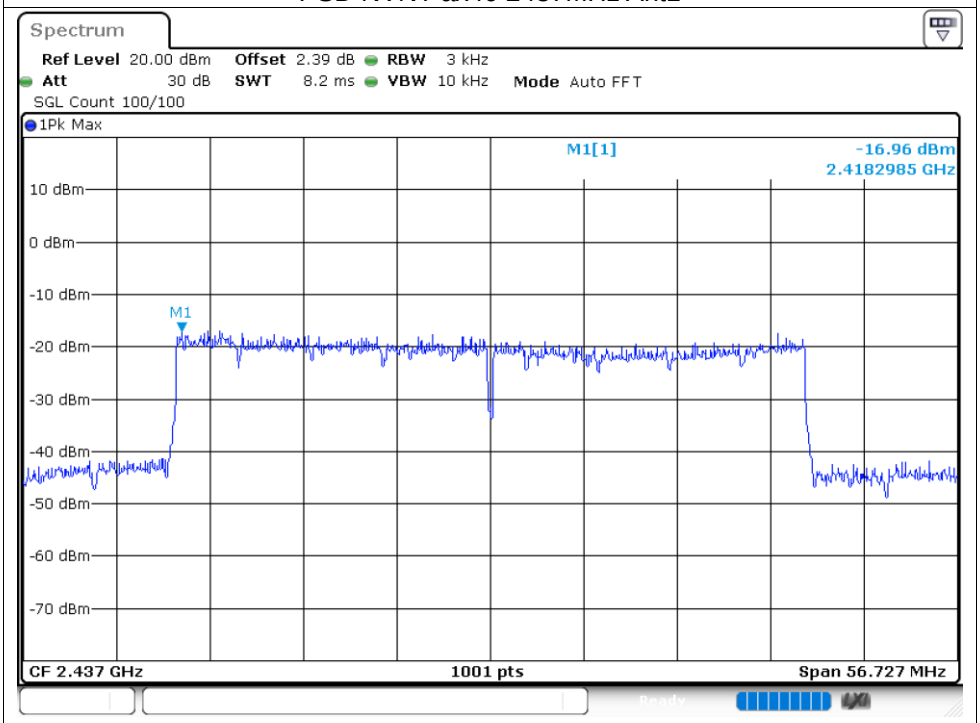
PSD NVNT ax40 2422MHz Ant1



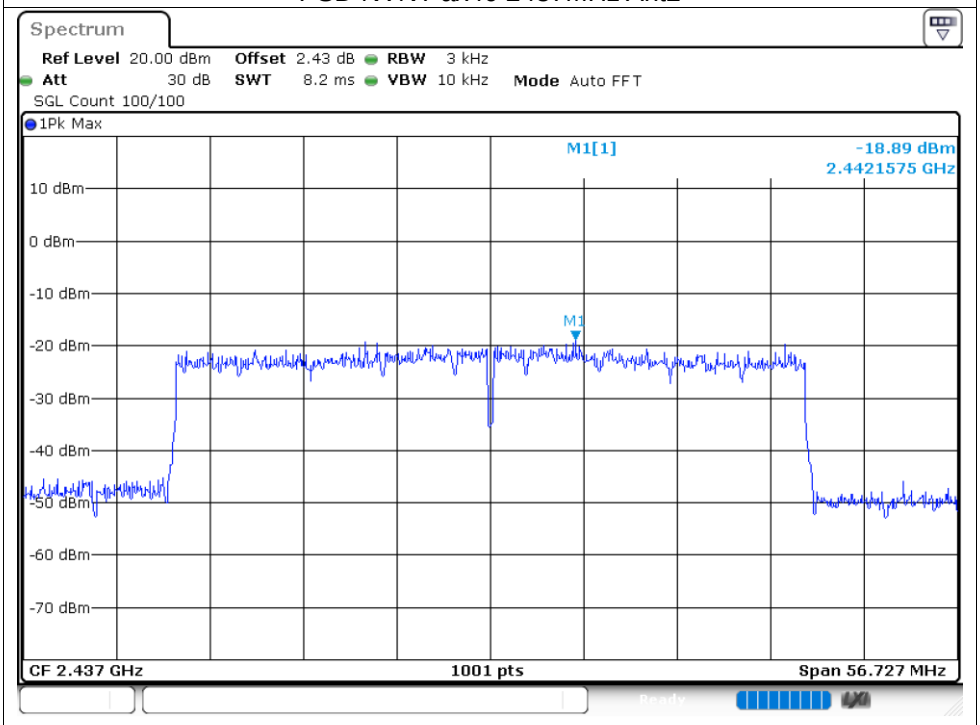
PSD NVNT ax40 2422MHz Ant2



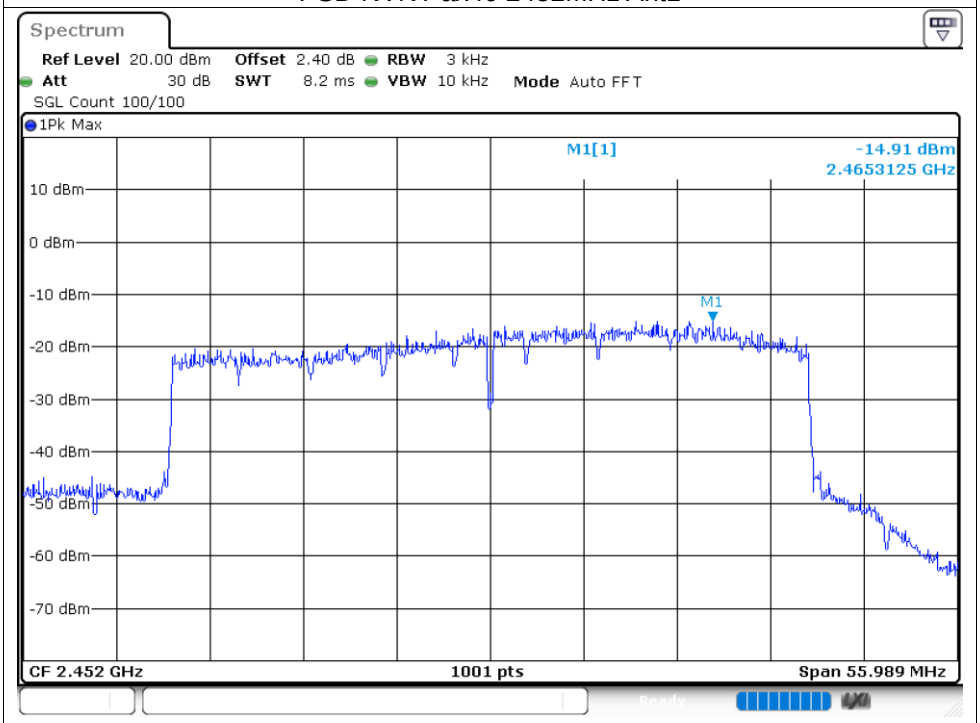
PSD NVNT ax40 2437MHz Ant1



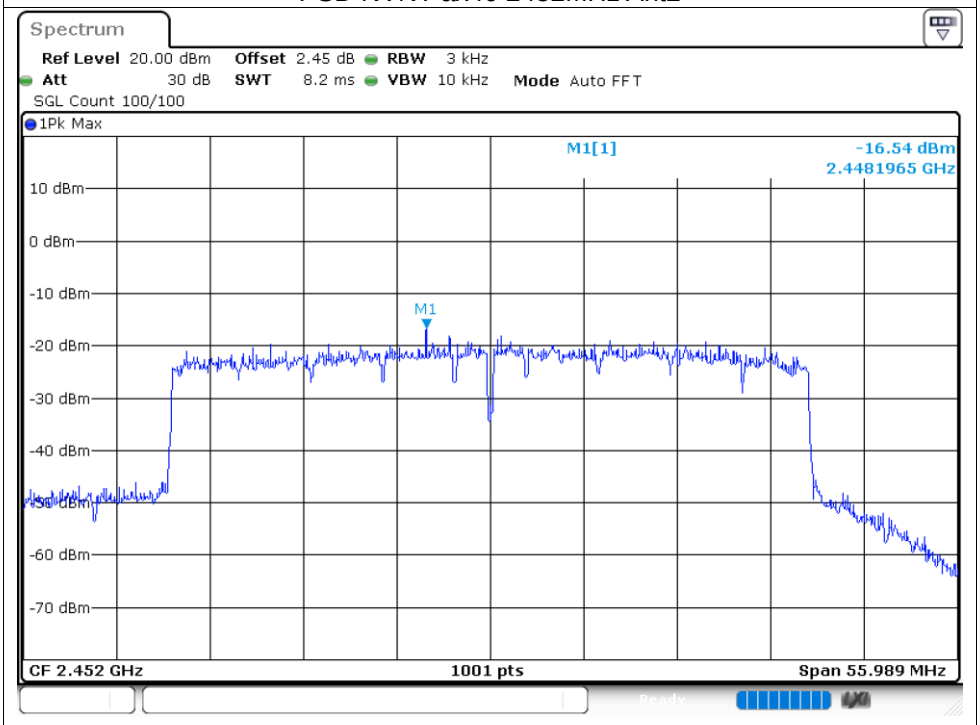
PSD NVNT ax40 2437MHz Ant2



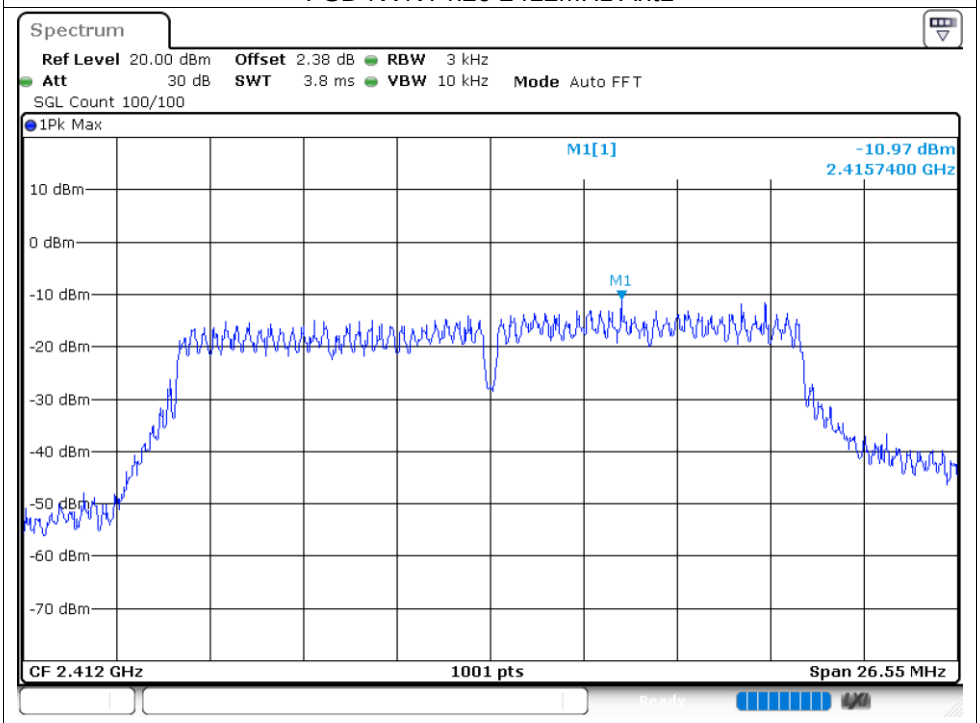
PSD NVNT ax40 2452MHz Ant1



PSD NVNT ax40 2452MHz Ant2



PSD NVNT n20 2412MHz Ant1



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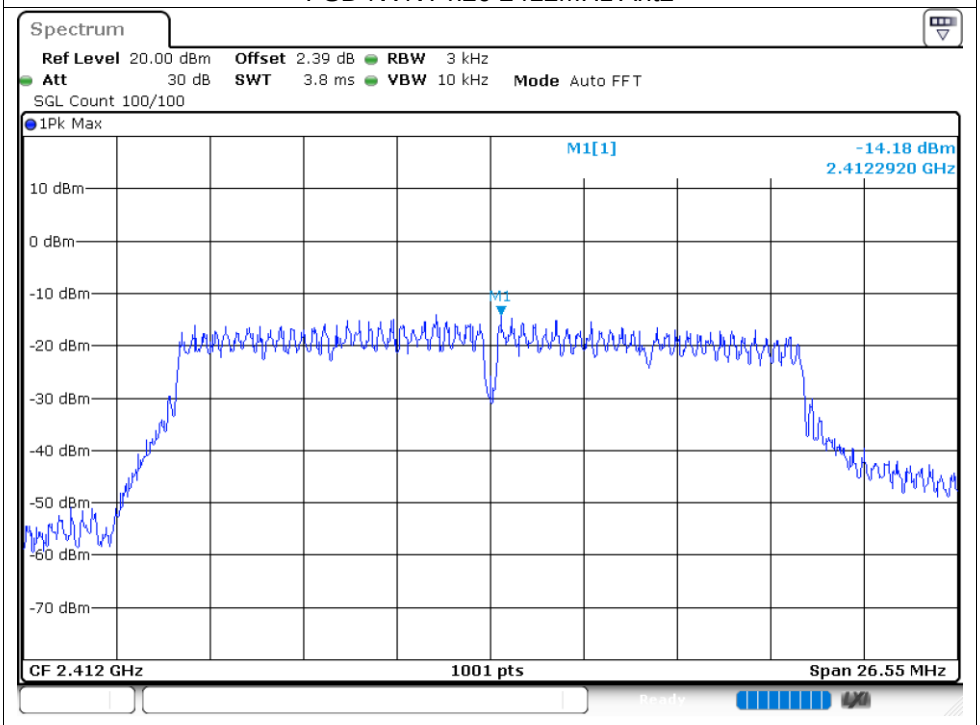
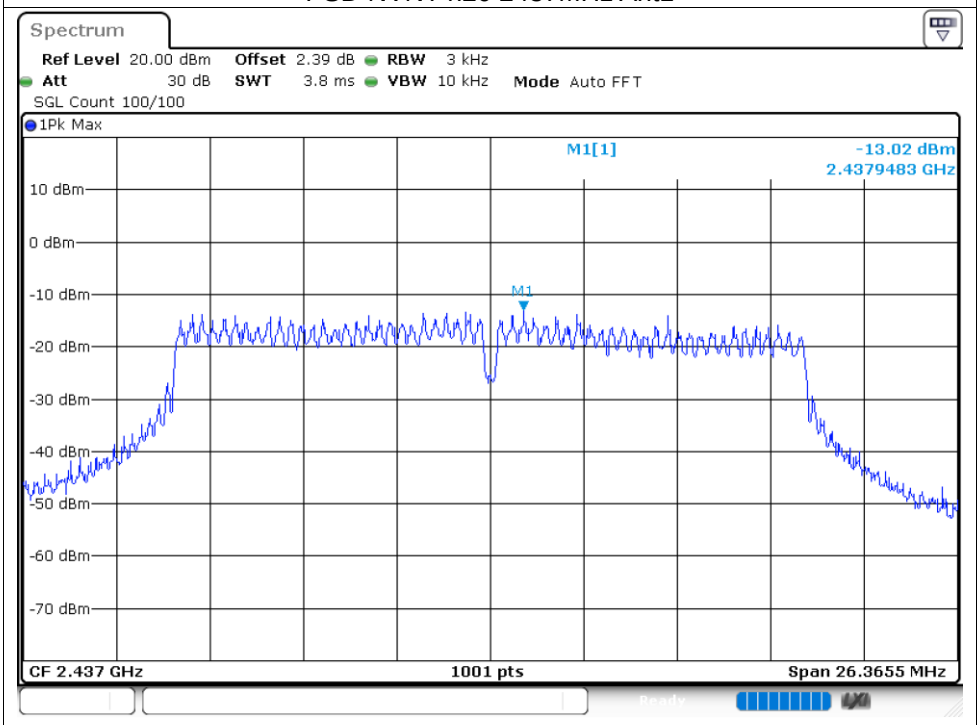
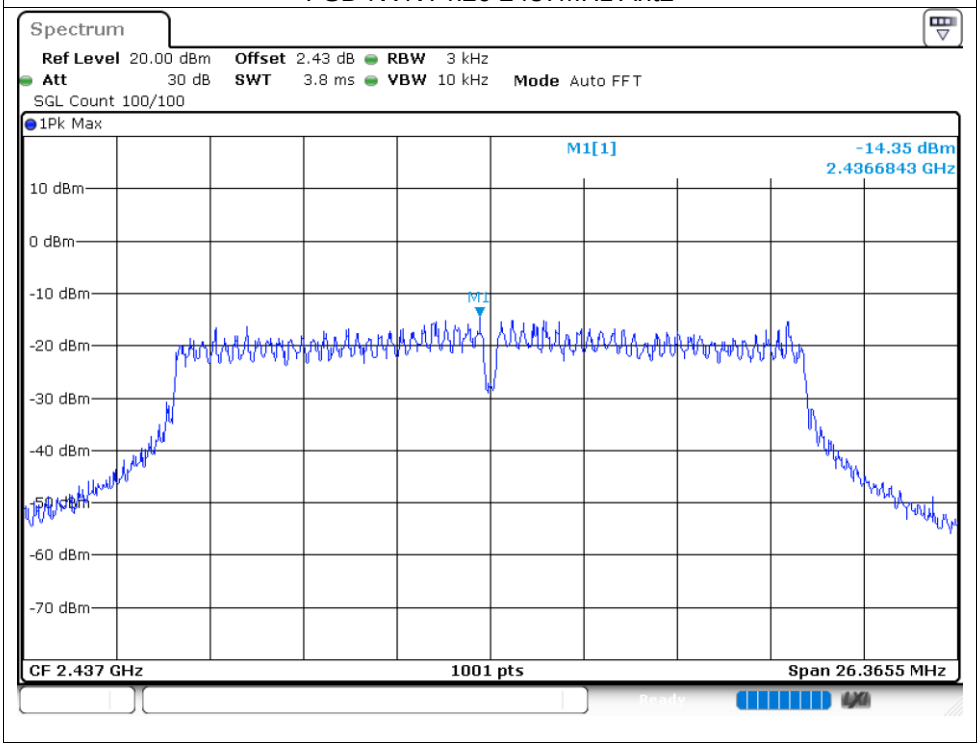


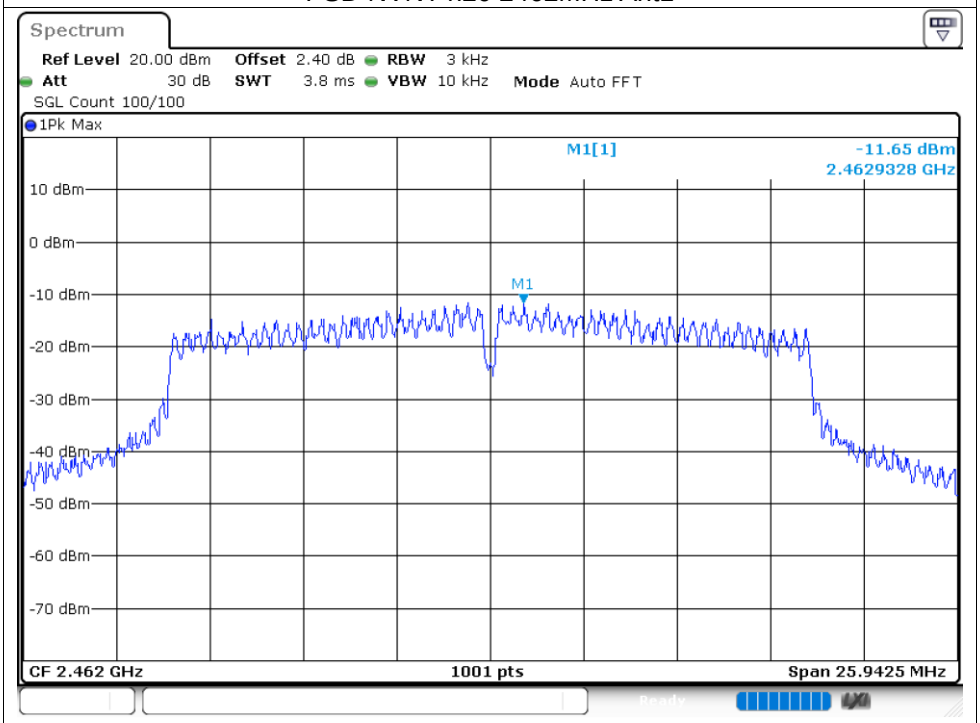
PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2437MHz Ant2



PSD NVNT n20 2462MHz Ant1



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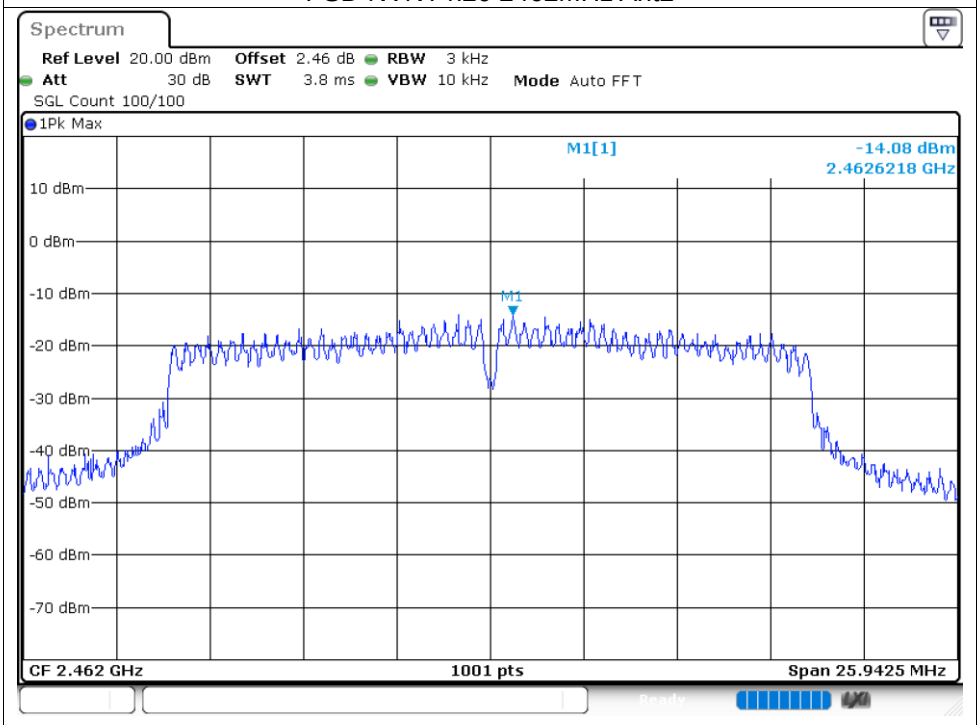
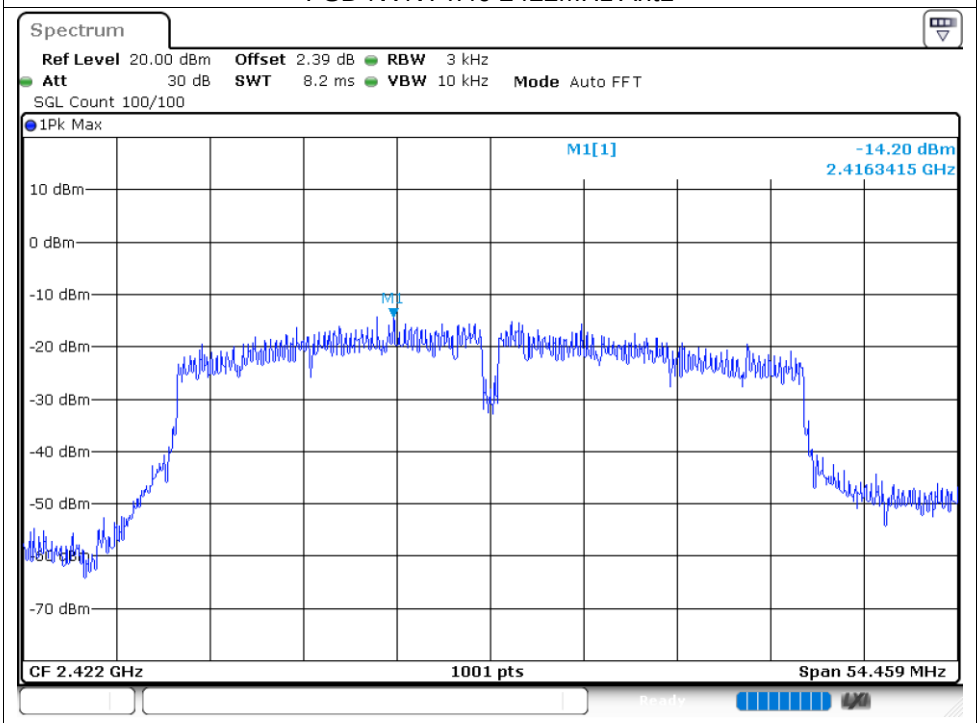


PSD NVNT n40 2422MHz Ant1



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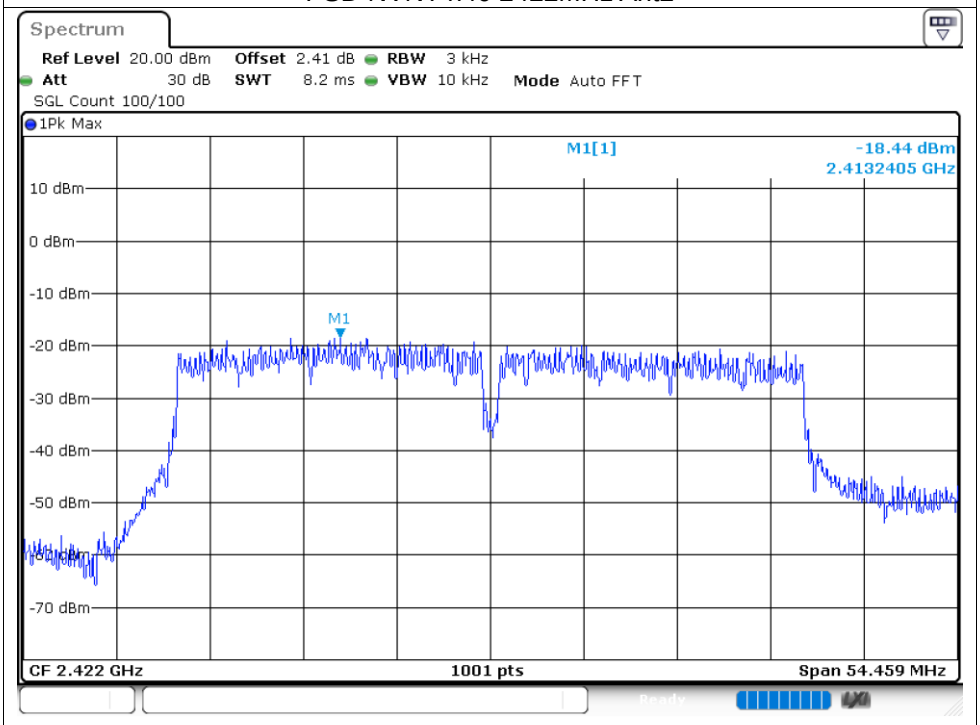
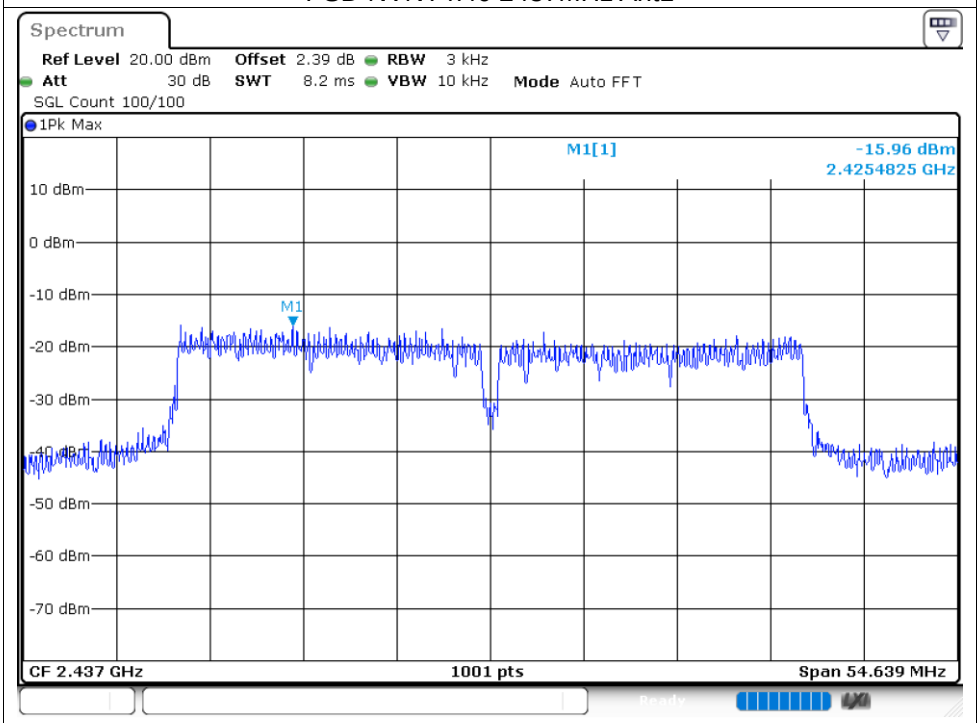


PSD NVNT n40 2437MHz Ant1



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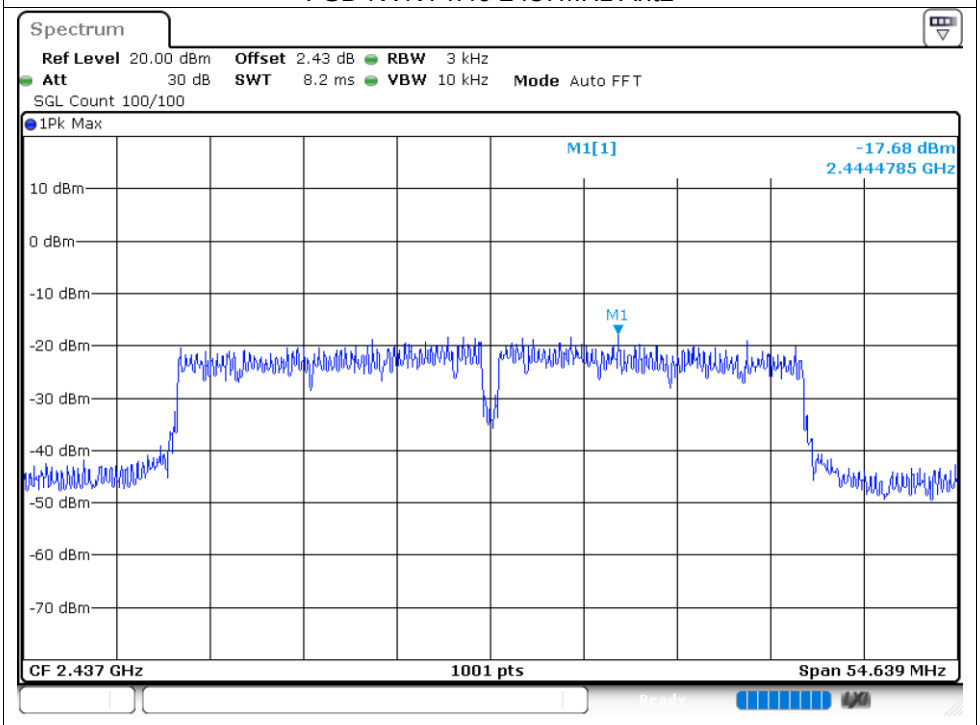
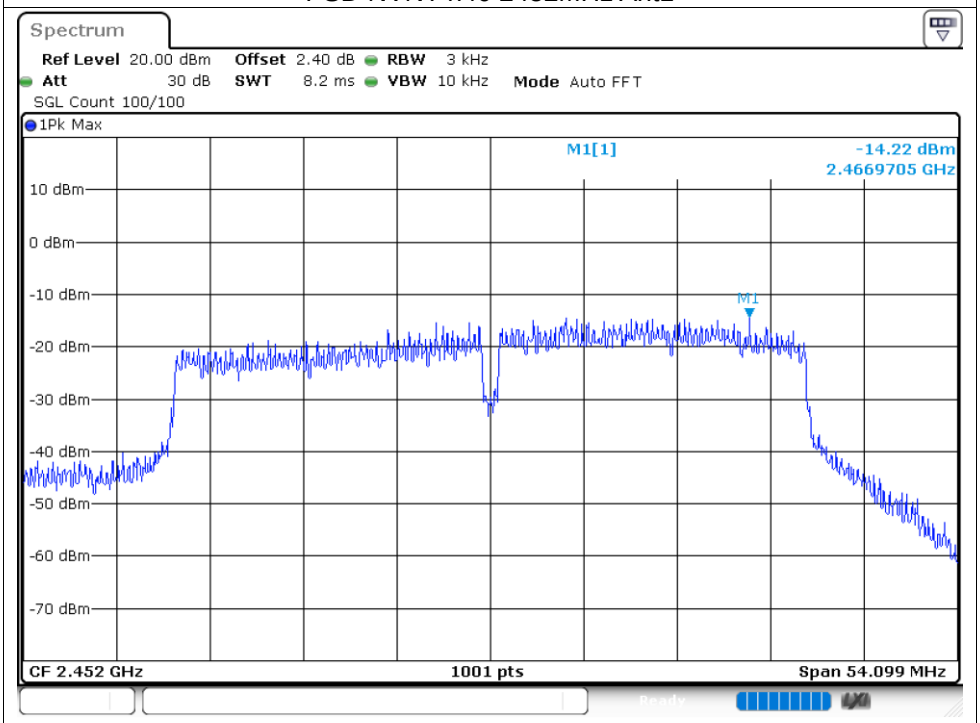


PSD NVNT n40 2452MHz Ant1



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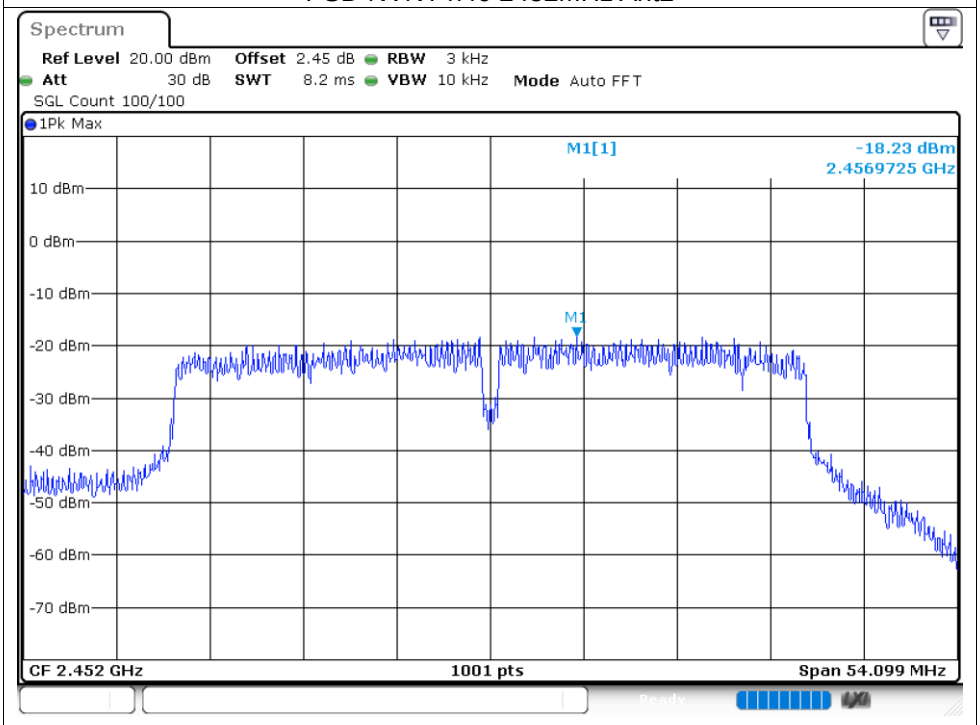
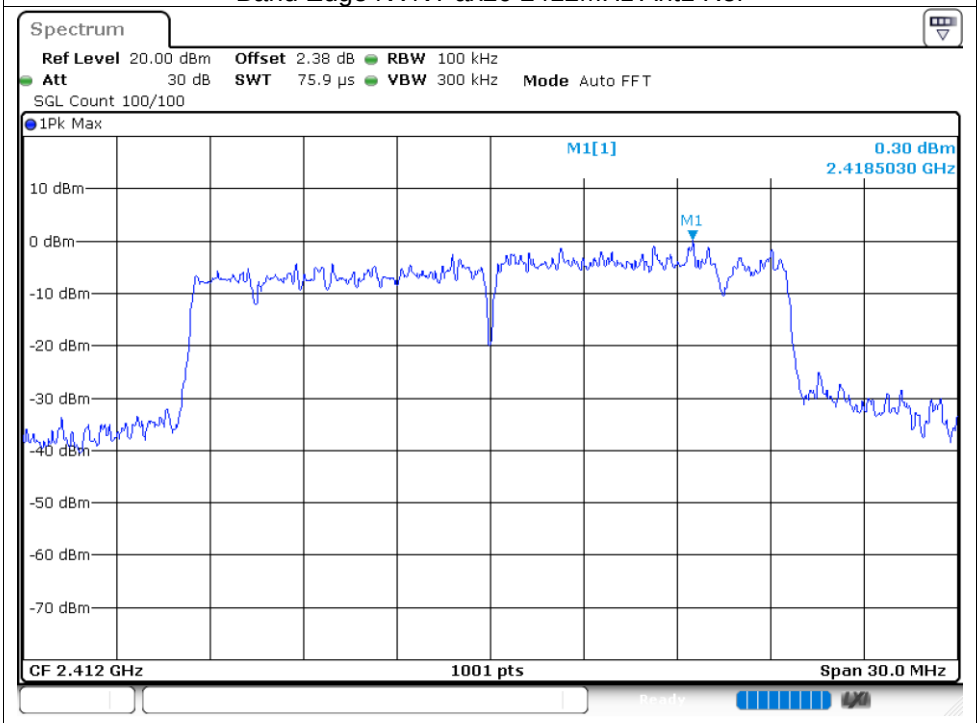


8.2.6 **Band Edge**

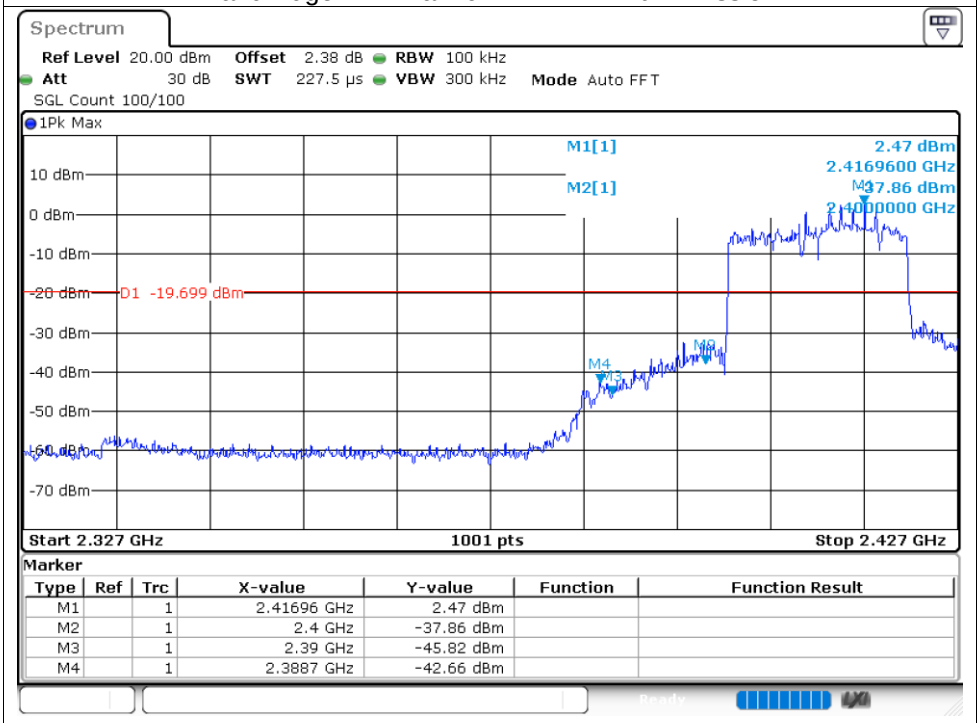
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-42.95	-20	Pass
NVNT	ax20	2412	Ant2	-44.34	-20	Pass
NVNT	ax20	2462	Ant1	-54.57	-20	Pass
NVNT	ax20	2462	Ant2	-48.07	-20	Pass
NVNT	ax40	2422	Ant1	-36.64	-20	Pass
NVNT	ax40	2422	Ant2	-33.9	-20	Pass
NVNT	ax40	2452	Ant1	-45.54	-20	Pass
NVNT	ax40	2452	Ant2	-41.63	-20	Pass
NVNT	n20	2412	Ant1	-46.6	-20	Pass
NVNT	n20	2412	Ant2	-44.15	-20	Pass
NVNT	n20	2462	Ant1	-55.88	-20	Pass
NVNT	n20	2462	Ant2	-50.97	-20	Pass
NVNT	n40	2422	Ant1	-36.97	-20	Pass
NVNT	n40	2422	Ant2	-38.59	-20	Pass
NVNT	n40	2452	Ant1	-42.74	-20	Pass
NVNT	n40	2452	Ant2	-43.96	-20	Pass

Test Graphs

Band Edge NVNT ax20 2412MHz Ant1 Ref



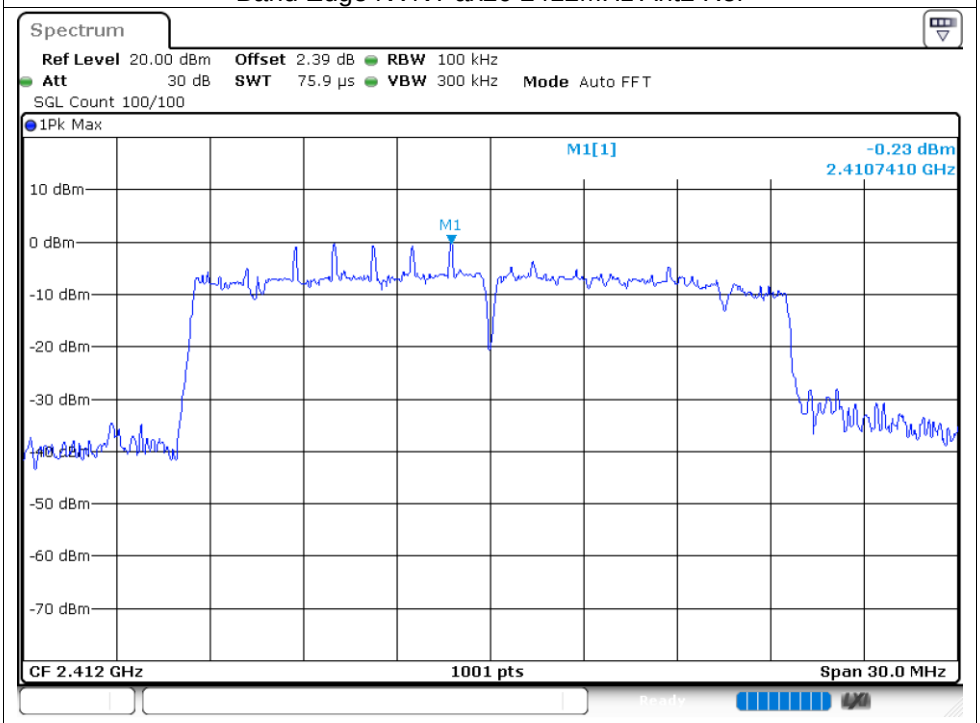
Band Edge NVNT ax20 2412MHz Ant1 Emission



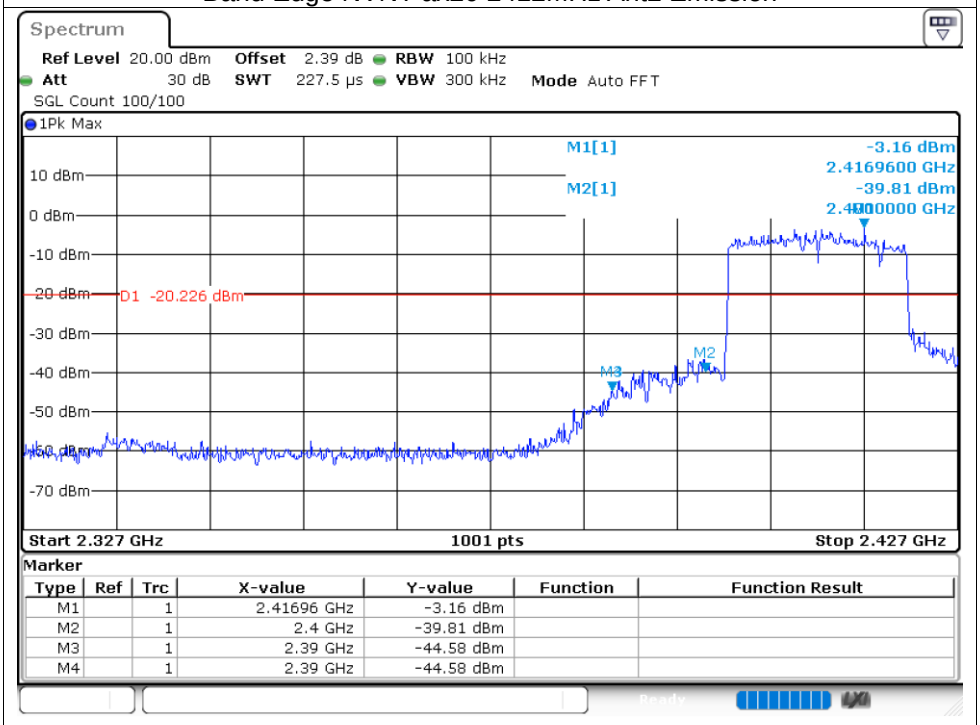
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41696 GHz	2.47 dBm		
M2		1	2.4 GHz	-37.86 dBm		
M3		1	2.39 GHz	-45.82 dBm		
M4		1	2.3887 GHz	-42.66 dBm		

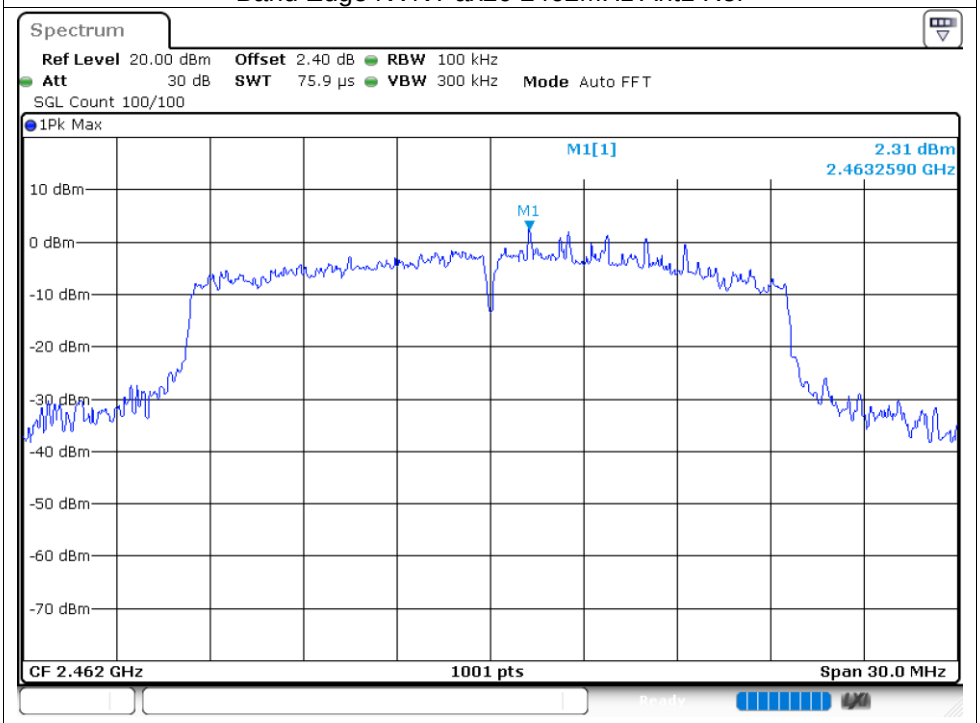
Band Edge NVNT ax20 2412MHz Ant2 Ref



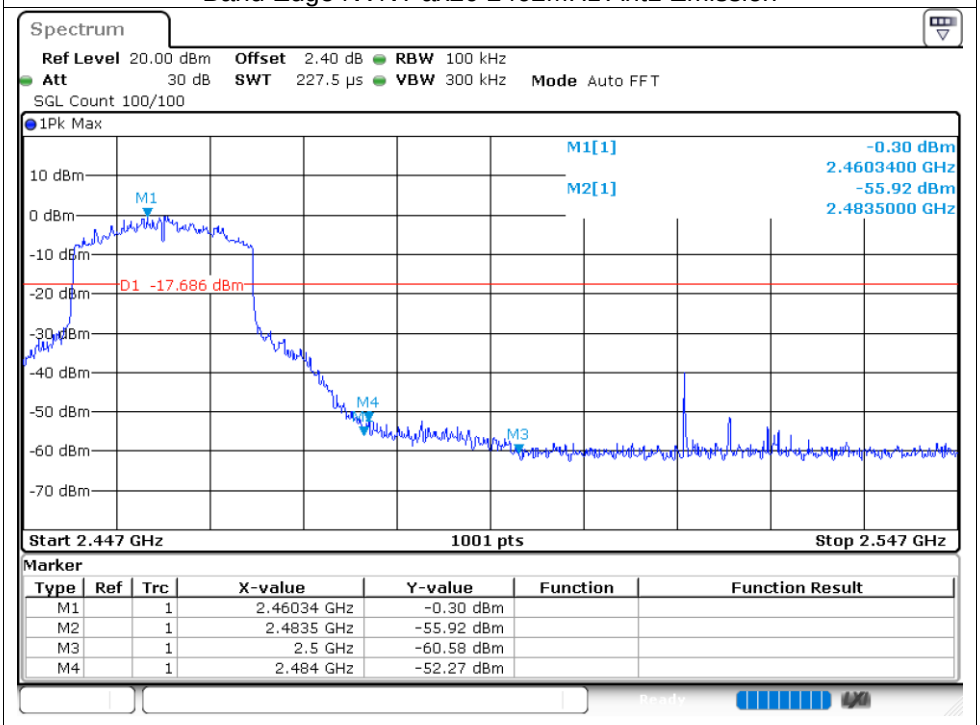
Band Edge NVNT ax20 2412MHz Ant2 Emission



Band Edge NVNT ax20 2462MHz Ant1 Ref



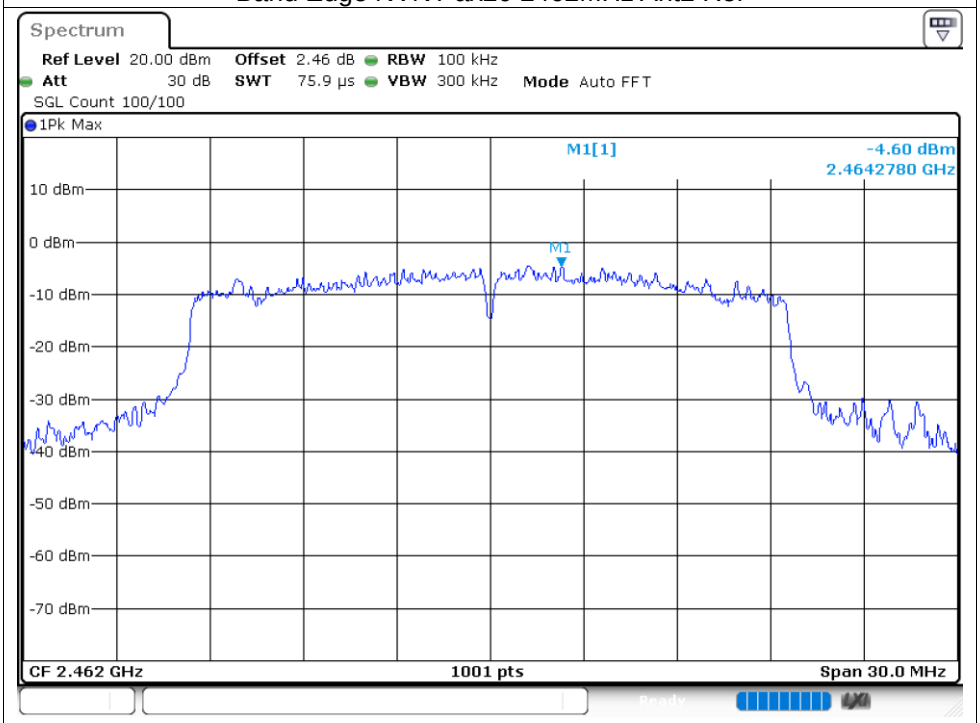
Band Edge NVNT ax20 2462MHz Ant1 Emission



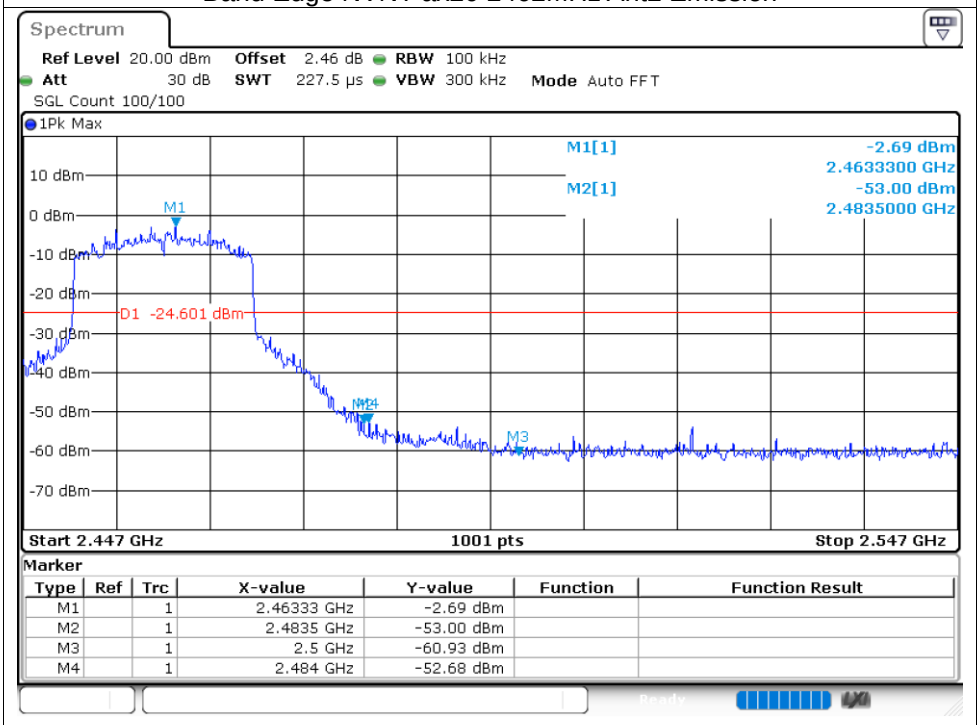
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46034 GHz	-0.30 dBm		
M2		1	2.4835 GHz	-55.92 dBm		
M3		1	2.5 GHz	-60.58 dBm		
M4		1	2.484 GHz	-52.27 dBm		

Band Edge NVNT ax20 2462MHz Ant2 Ref

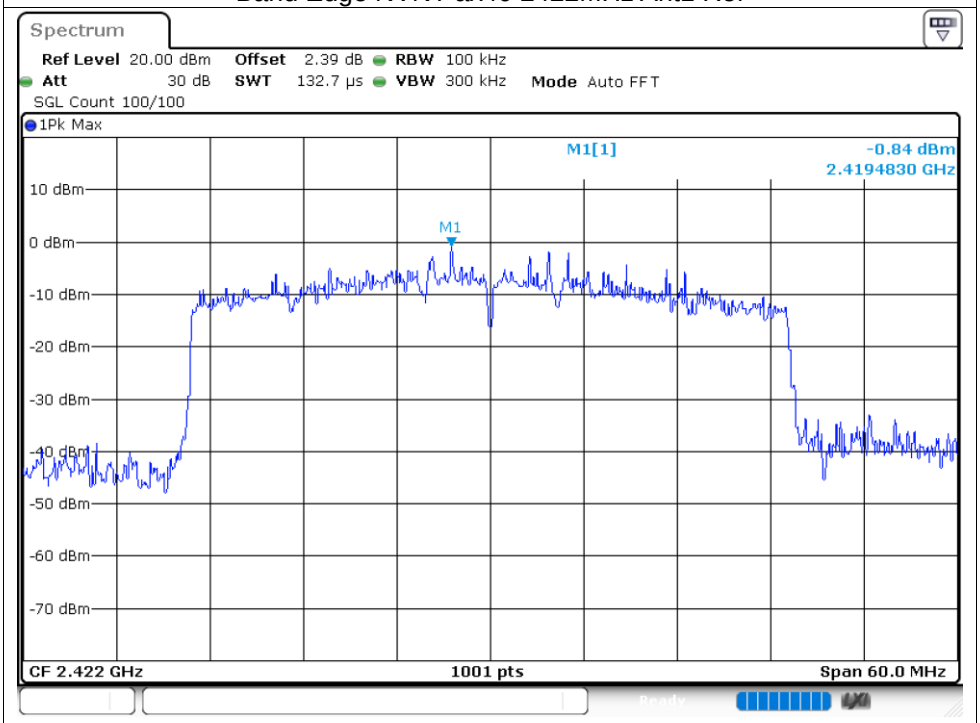


Band Edge NVNT ax20 2462MHz Ant2 Emission



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46333 GHz	-2.69 dBm		
M2		1	2.4835 GHz	-53.00 dBm		
M3		1	2.5 GHz	-60.93 dBm		
M4		1	2.484 GHz	-52.68 dBm		

Band Edge NVNT ax40 2422MHz Ant1 Ref



Band Edge NVNT ax40 2422MHz Ant1 Emission

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41579 GHz	-2.34 dBm		
M2		1	2.4 GHz	-44.60 dBm		
M3		1	2.39 GHz	-42.48 dBm		
M4		1	2.3898 GHz	-37.49 dBm		