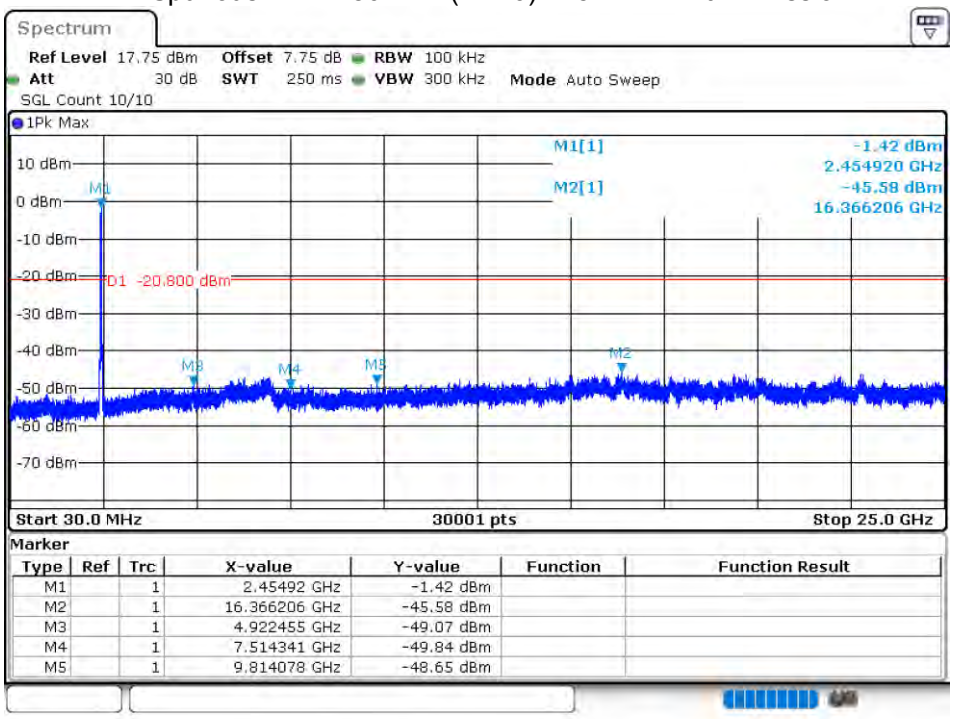
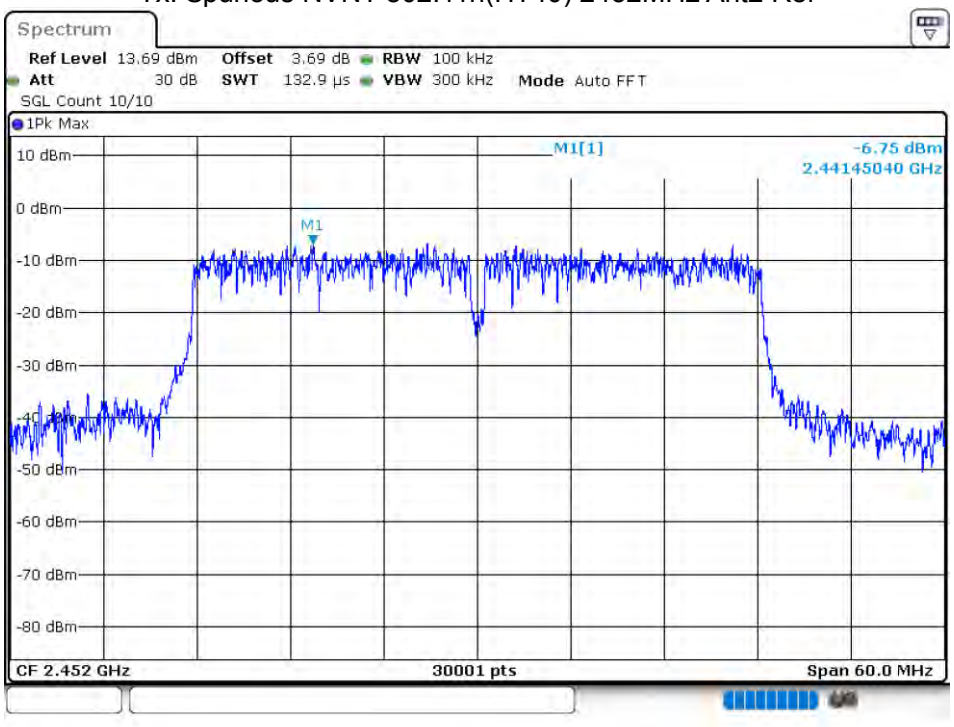
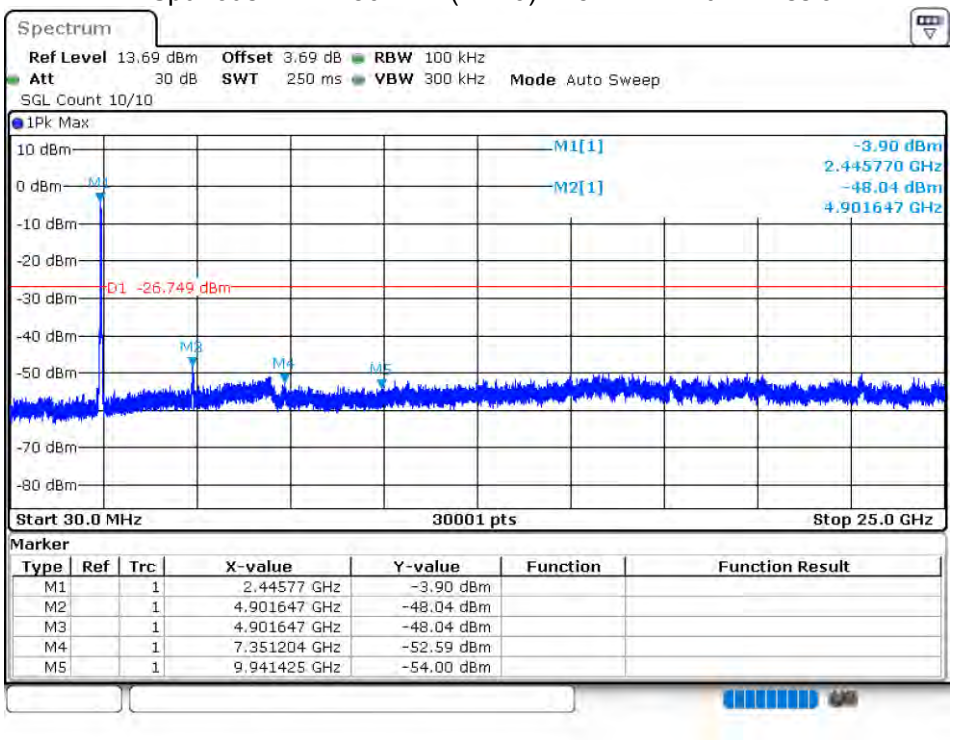
Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant2 Ref



Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant2 Emission



Marker

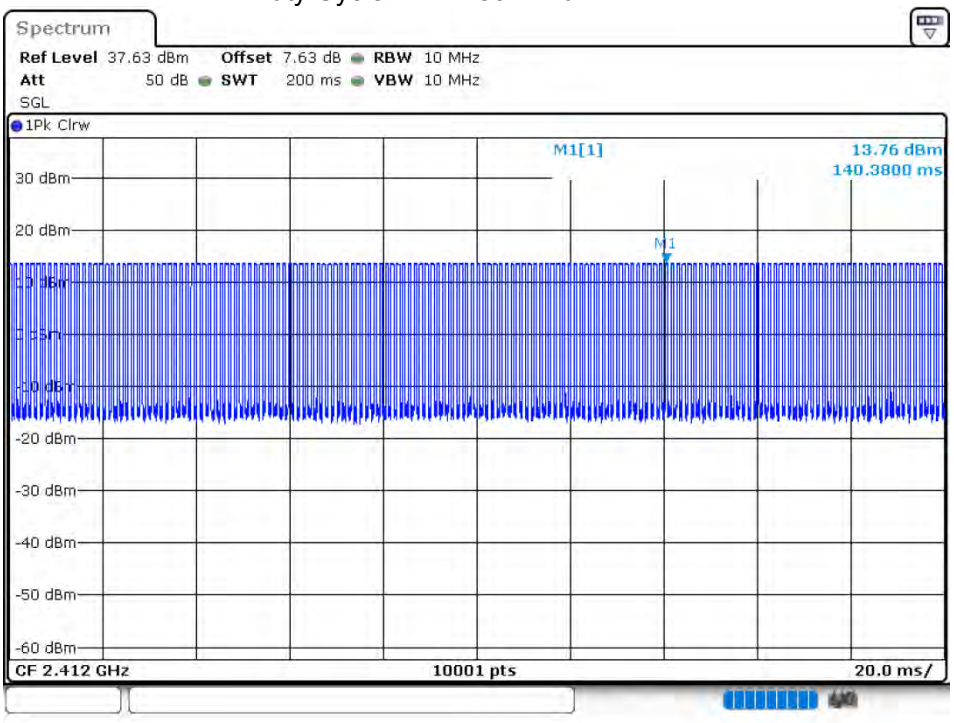
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44577 GHz	-3.90 dBm		
M2		1	4.901647 GHz	-48.04 dBm		
M3		1	4.901647 GHz	-48.04 dBm		
M4		1	7.351204 GHz	-52.59 dBm		
M5		1	9.941425 GHz	-54.00 dBm		

MODULE 1:

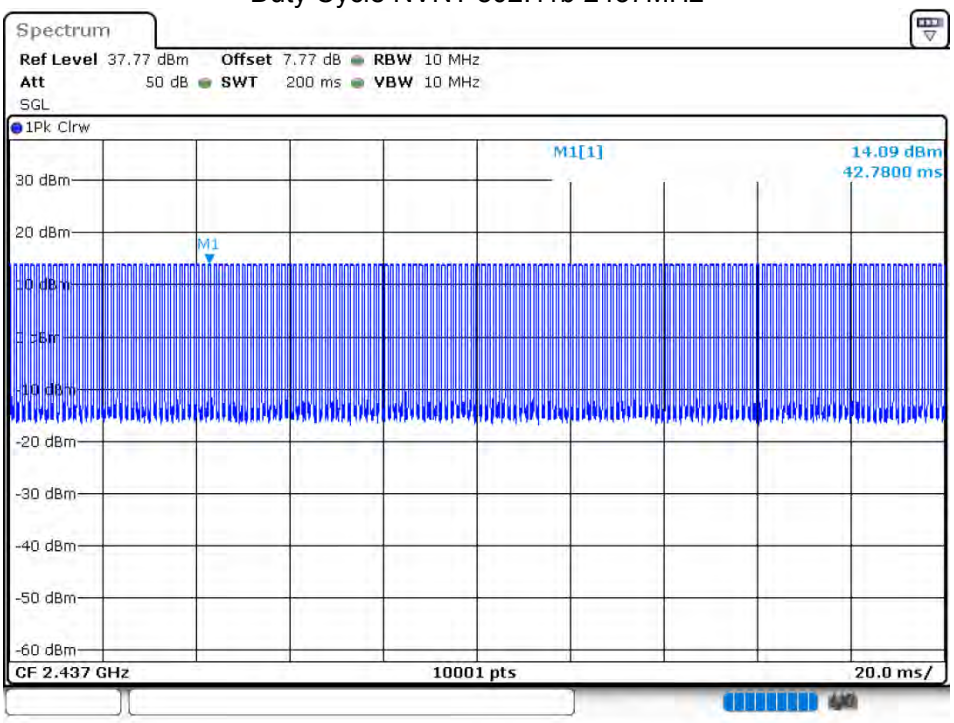
8.1.11 **DUTY CYCLE**

Condition	Mode	Frequency (MHz)	Duty Cycle (%)
NVNT	802.11b	2412	98.07
NVNT	802.11b	2437	98.04
NVNT	802.11b	2462	98.17
NVNT	802.11g	2412	98.06
NVNT	802.11g	2437	98.08
NVNT	802.11g	2462	98.08
NVNT	802.11n(HT20)	2412	98.01
NVNT	802.11n(HT20)	2437	98.03
NVNT	802.11n(HT20)	2462	98.05
NVNT	802.11n(HT40)	2422	98.05
NVNT	802.11n(HT40)	2437	98.02
NVNT	802.11n(HT40)	2452	98.01

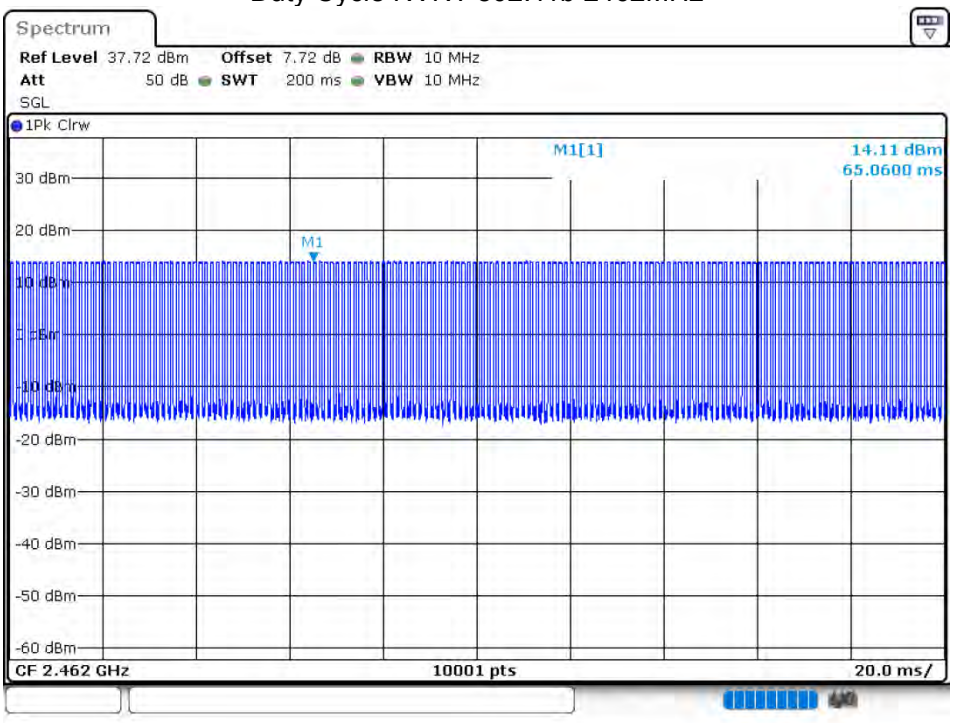
Duty Cycle NVNT 802.11b 2412MHz



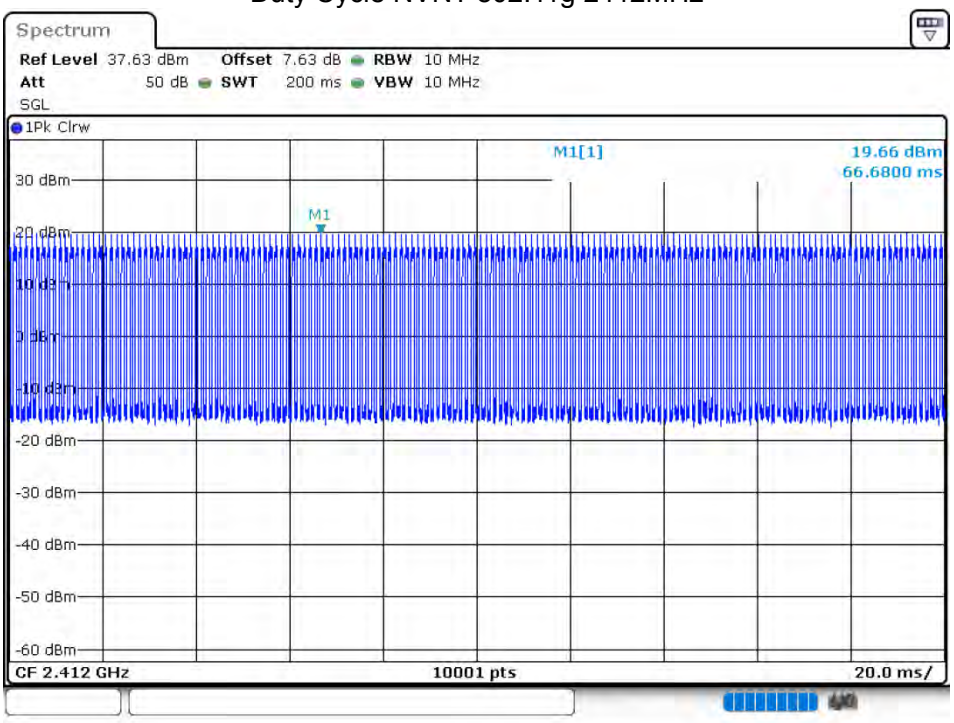
Duty Cycle NVNT 802.11b 2437MHz



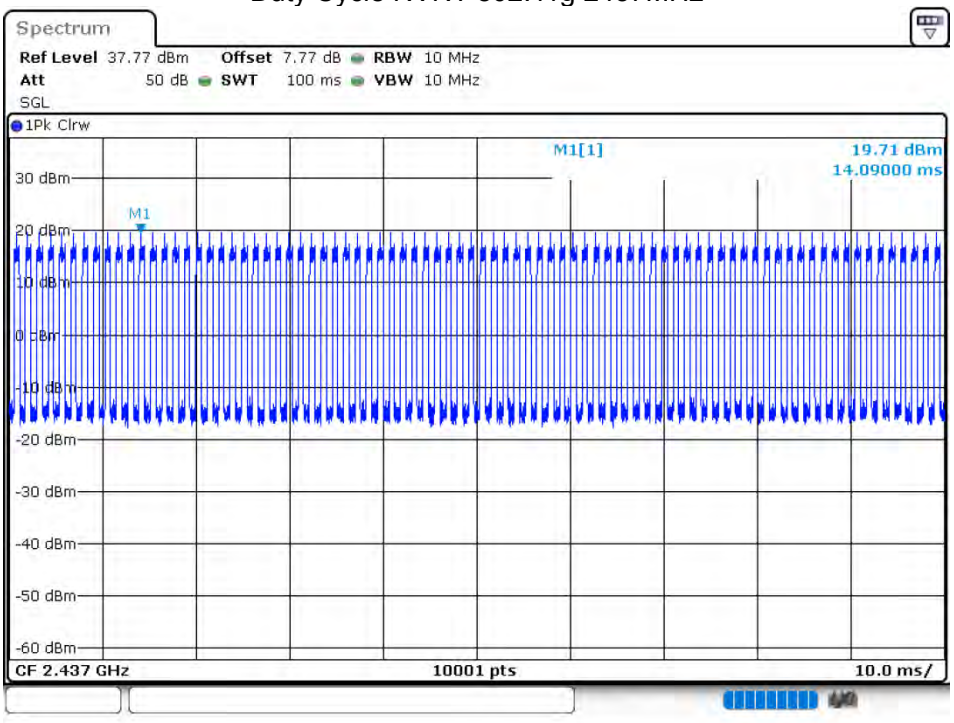
Duty Cycle NVNT 802.11b 2462MHz



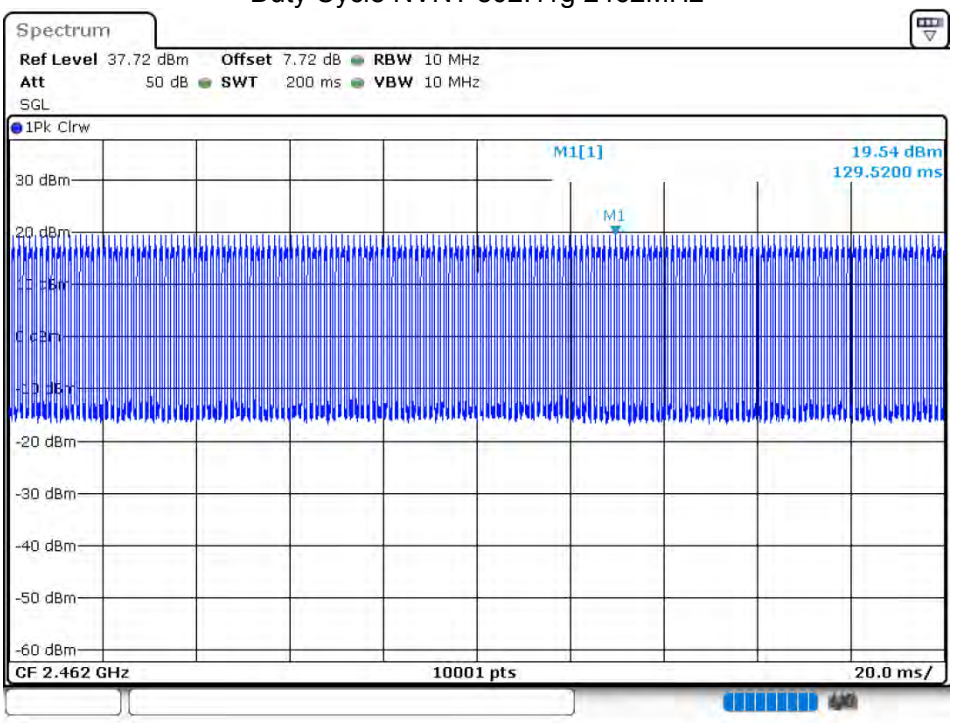
Duty Cycle NVNT 802.11g 2412MHz



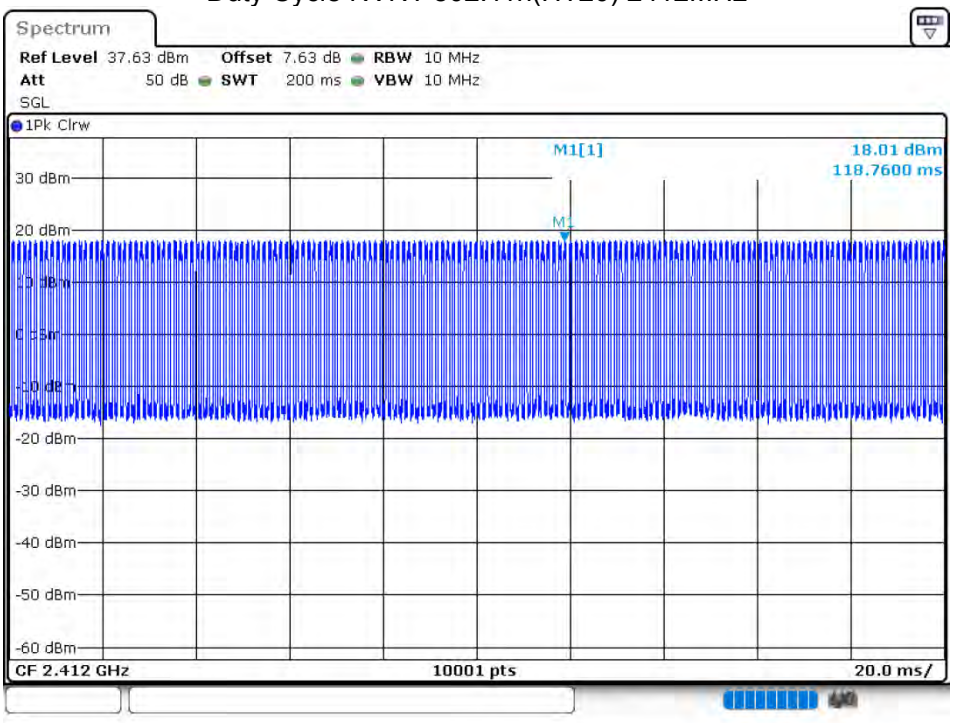
Duty Cycle NVNT 802.11g 2437MHz



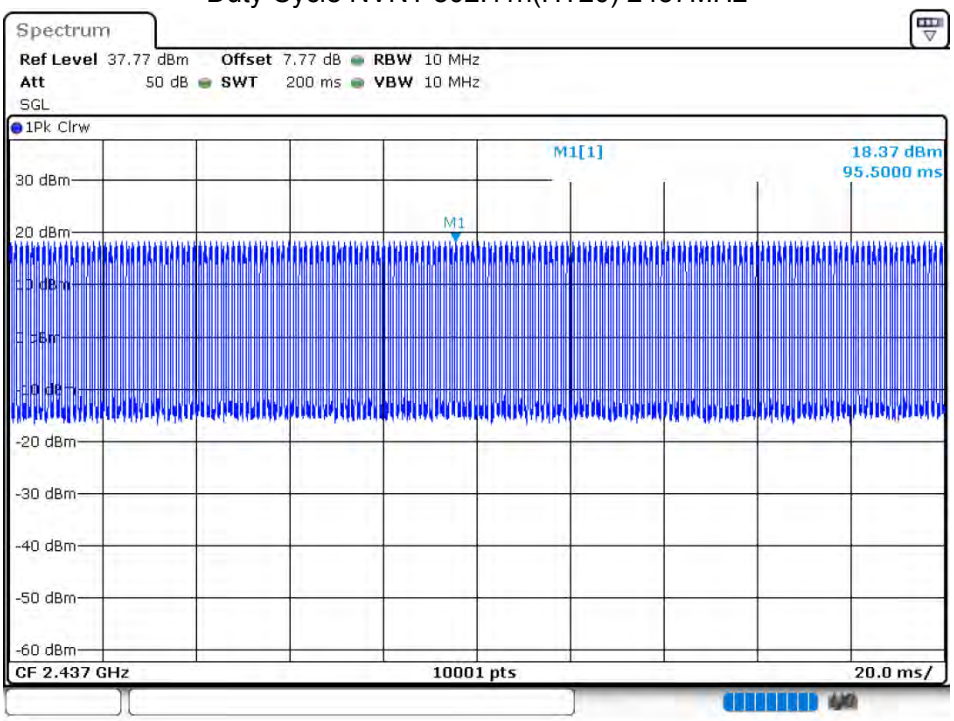
Duty Cycle NVNT 802.11g 2462MHz



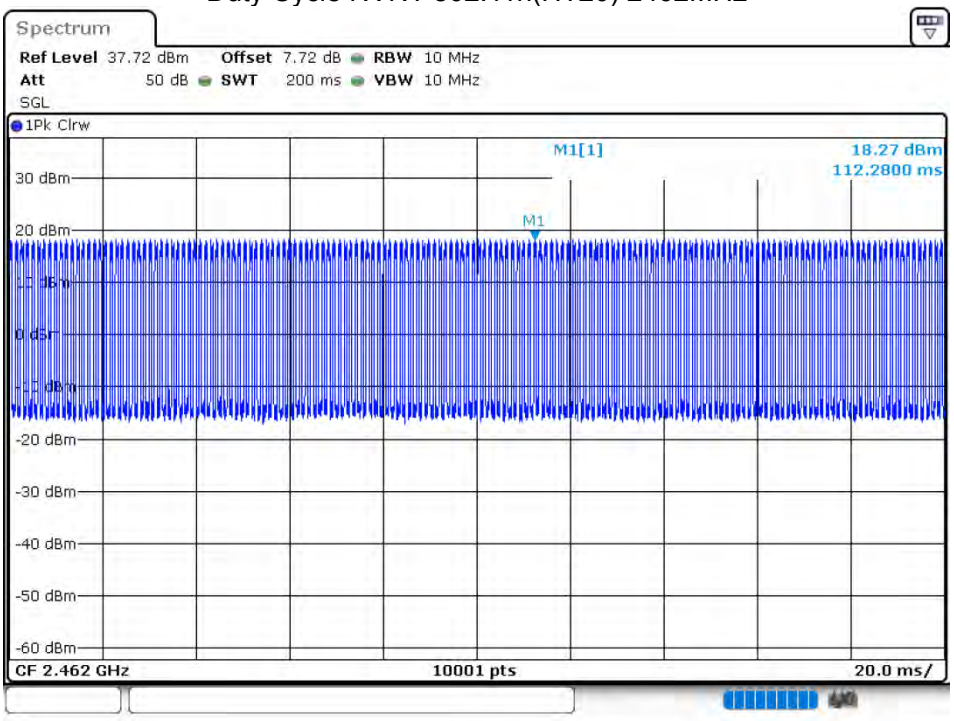
Duty Cycle NVNT 802.11n(HT20) 2412MHz



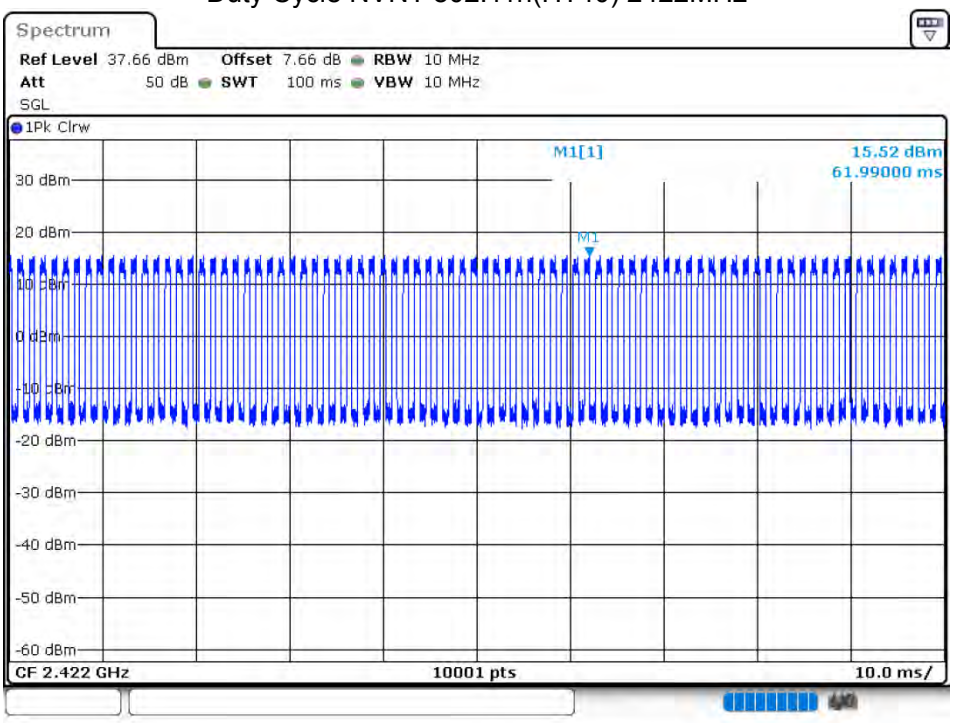
Duty Cycle NVNT 802.11n(HT20) 2437MHz



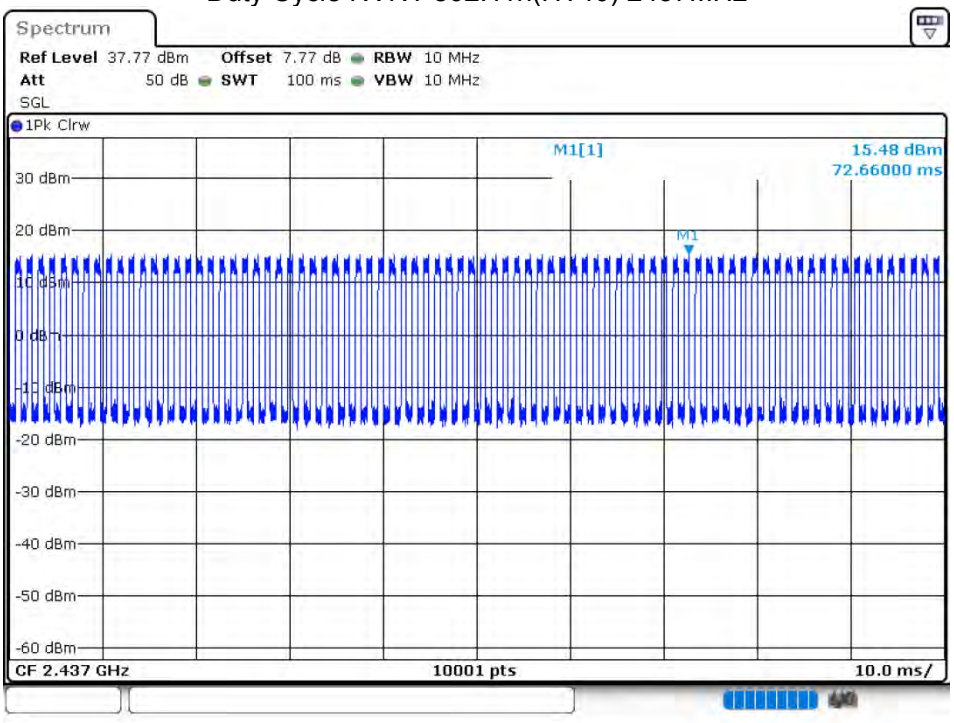
Duty Cycle NVNT 802.11n(HT20) 2462MHz



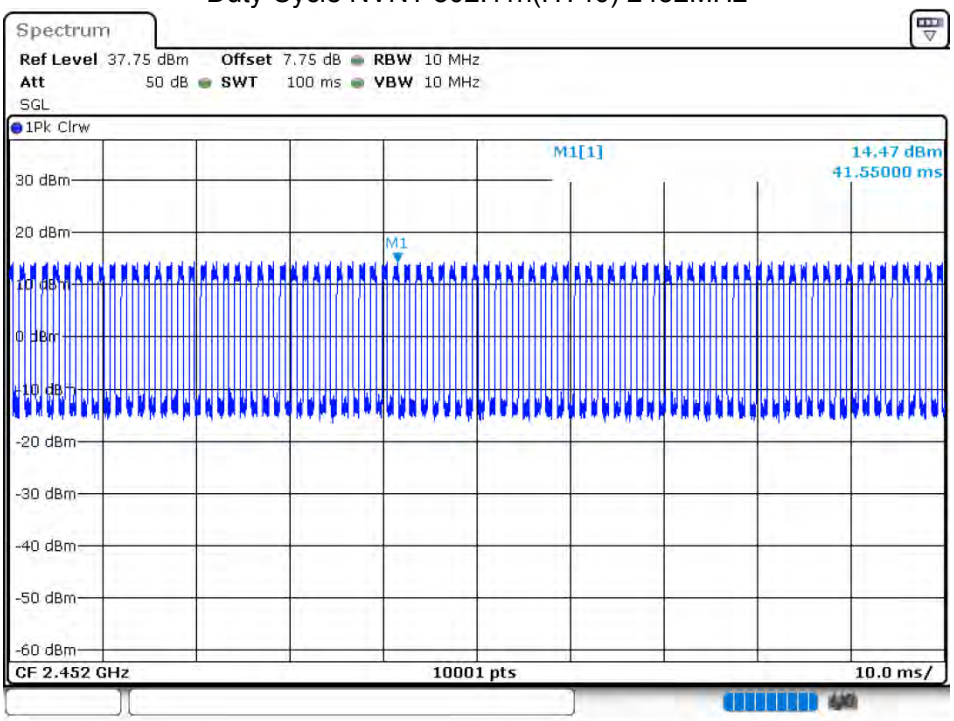
Duty Cycle NVNT 802.11n(HT40) 2422MHz



Duty Cycle NVNT 802.11n(HT40) 2437MHz



Duty Cycle NVNT 802.11n(HT40) 2452MHz



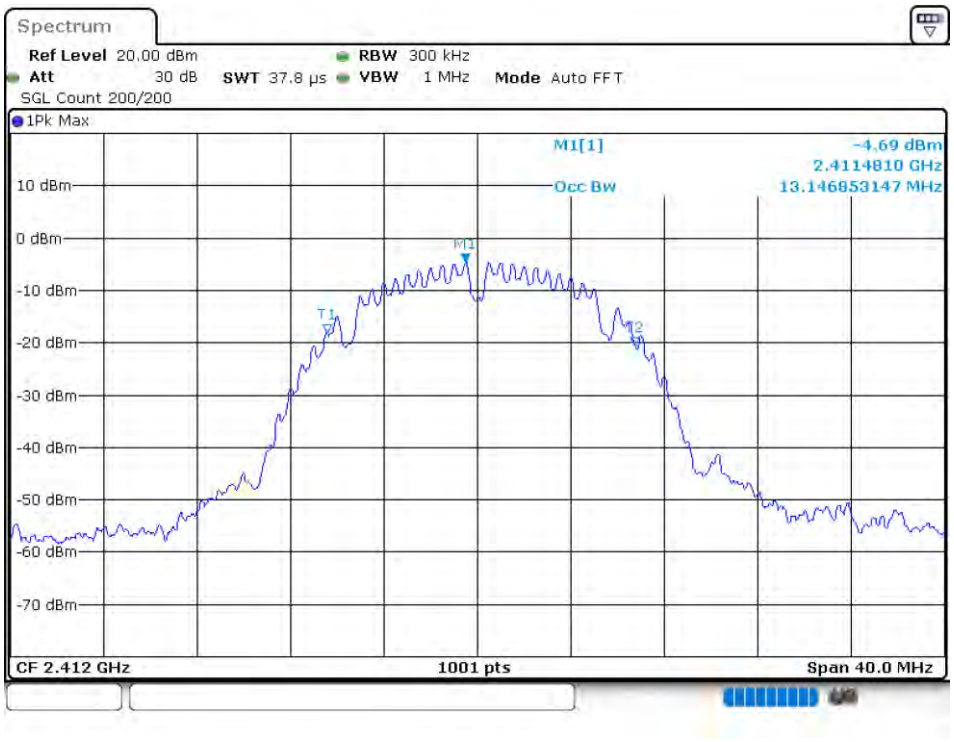
8.1.12 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11b	2412	Ant 1	11.01	30	Pass
NVNT	802.11b	2437	Ant 1	11.26	30	Pass
NVNT	802.11b	2462	Ant 1	11.4	30	Pass
NVNT	802.11g	2412	Ant 1	10.02	30	Pass
NVNT	802.11g	2437	Ant 1	9.95	30	Pass
NVNT	802.11g	2456	Ant 1	10.13	30	Pass
NVNT	802.11n(HT20)	2412	Ant 1	9.95	30	Pass
NVNT	802.11n(HT20)	2437	Ant 1	9.95	30	Pass
NVNT	802.11n(HT20)	2462	Ant 1	10.2	30	Pass
NVNT	802.11n(HT40)	2422	Ant 1	10.34	30	Pass
NVNT	802.11n(HT40)	2437	Ant 1	10.43	30	Pass
NVNT	802.11n(HT40)	2452	Ant 1	10.1	30	Pass

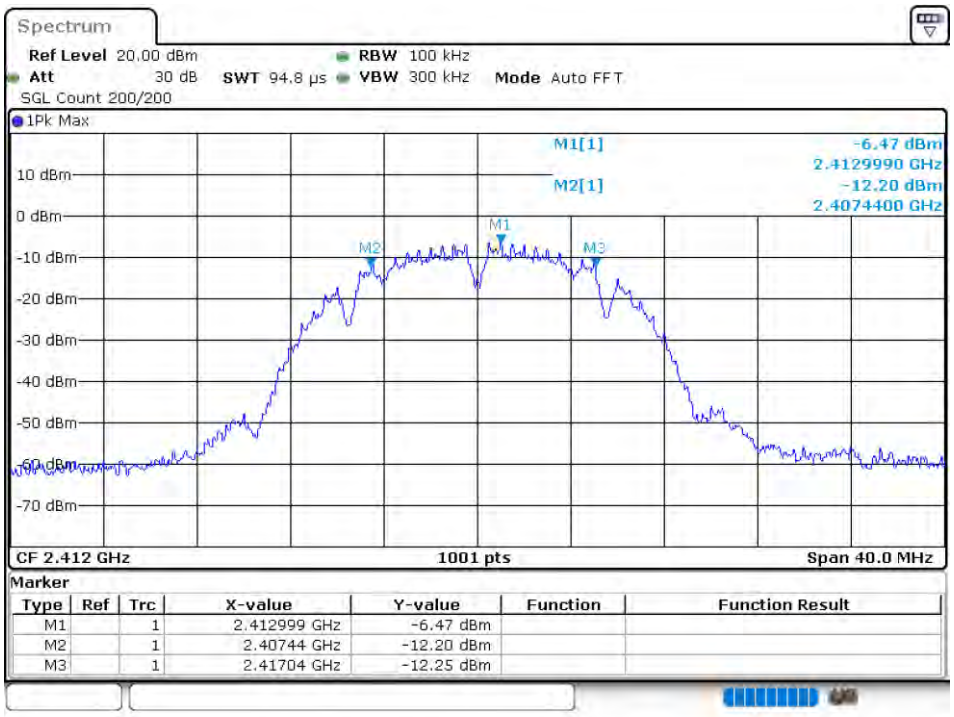
8.1.13 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11b	2412	Ant 1	13.1469	9.6	0.5	Pass
NVNT	802.11b	2437	Ant 1	13.1868	9.6	0.5	Pass
NVNT	802.11b	2462	Ant 1	13.0669	9.84	0.5	Pass
NVNT	802.11g	2412	Ant 1	17.0629	15.92	0.5	Pass
NVNT	802.11g	2437	Ant 1	16.9431	16.36	0.5	Pass
NVNT	802.11g	2462	Ant 1	16.8232	16.32	0.5	Pass
NVNT	802.11n(HT20)	2412	Ant 1	17.982	16.96	0.5	Pass
NVNT	802.11n(HT20)	2437	Ant 1	18.3017	16.36	0.5	Pass
NVNT	802.11n(HT20)	2462	Ant 1	17.9421	16.92	0.5	Pass
NVNT	802.11n(HT40)	2422	Ant 1	37.6424	34.72	0.5	Pass
NVNT	802.11n(HT40)	2437	Ant 1	37.8022	35.76	0.5	Pass
NVNT	802.11n(HT40)	2452	Ant 1	37.2428	33.68	0.5	Pass

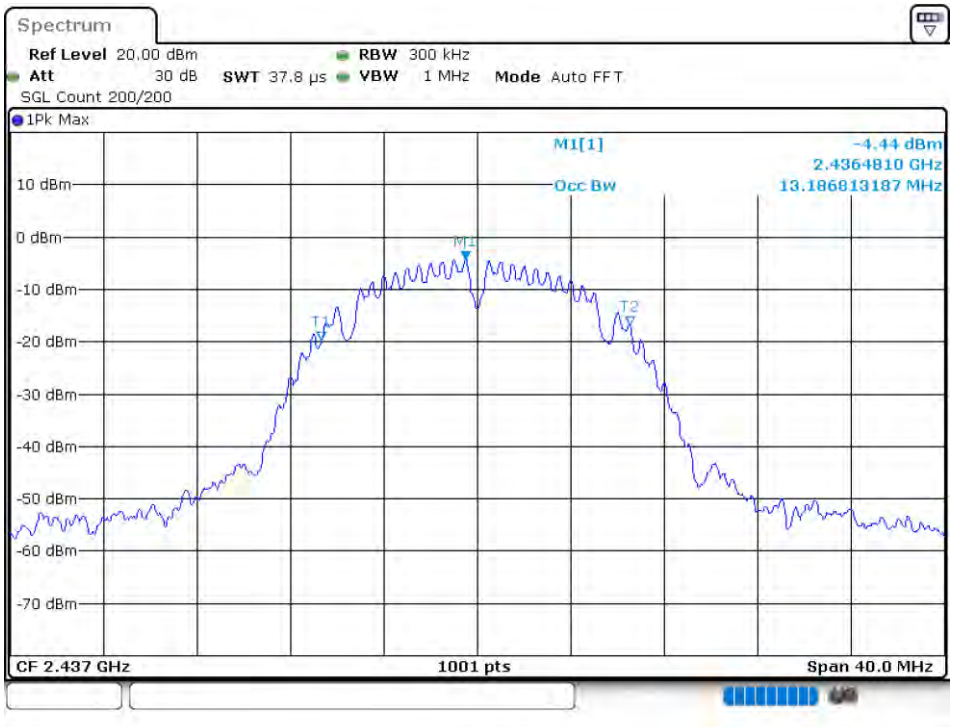
OBW NVNT 802.11b 2412MHz Ant1



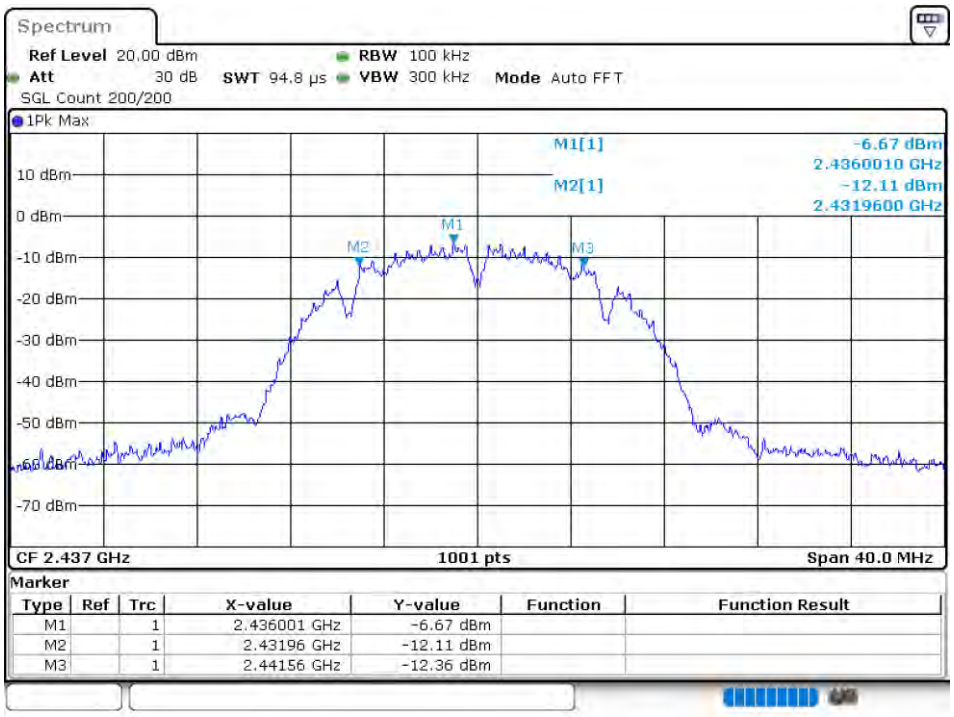
-6 dB BW NVNT 802.11b 2412MHz Ant1



OBW NVNT 802.11b 2437MHz Ant1

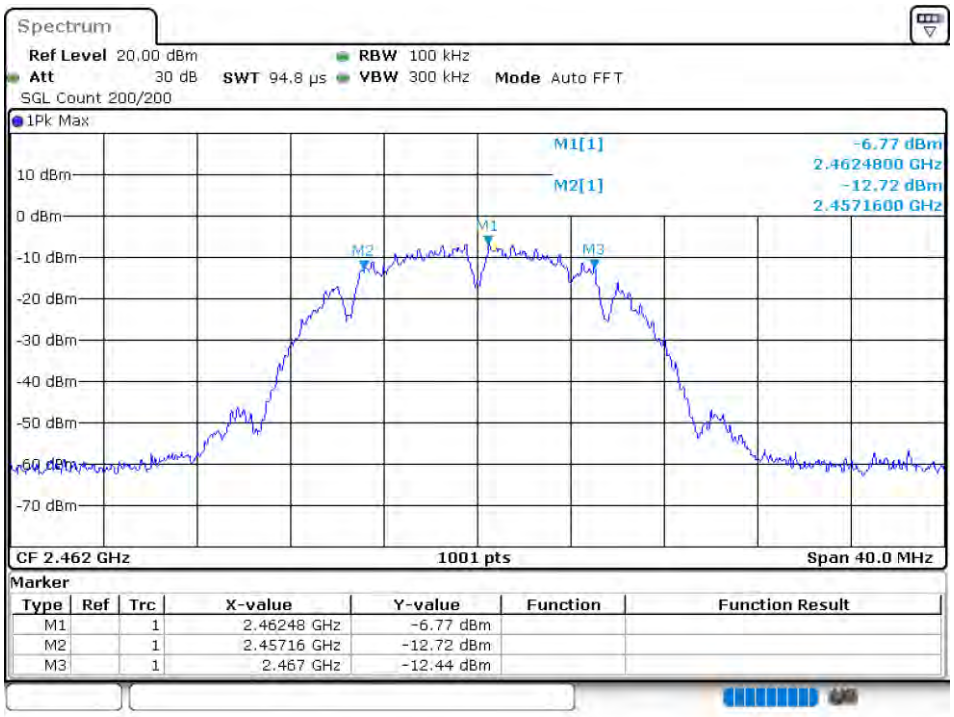


-6 dB BW NVNT 802.11b 2437MHz Ant1

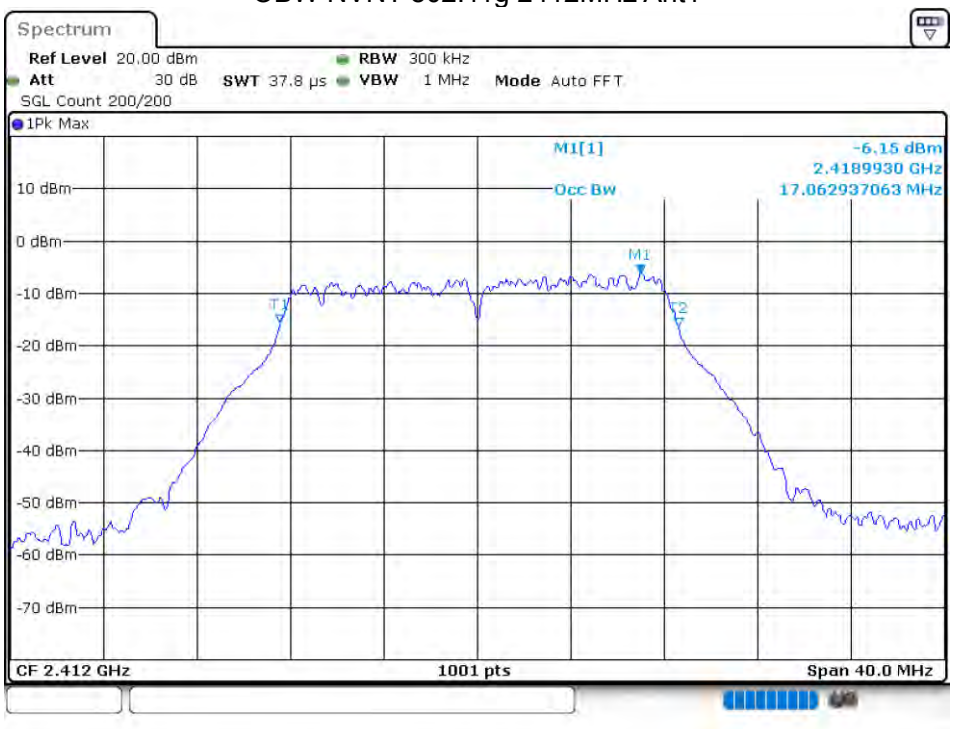


OBW NVNT 802.11b 2462MHz Ant1

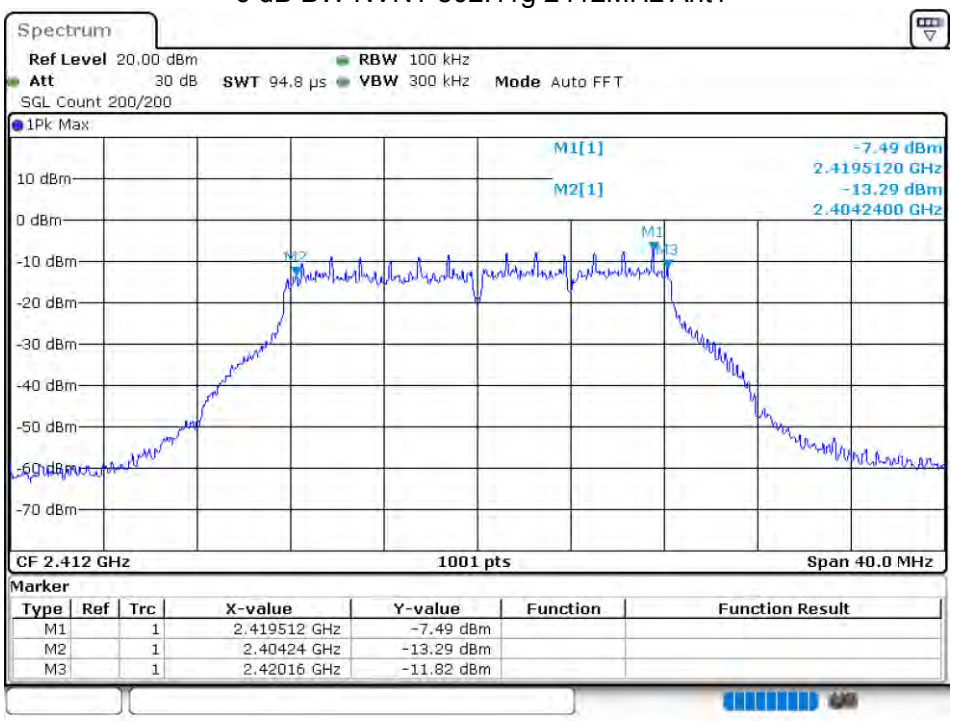
-6 dB BW NVNT 802.11b 2462MHz Ant1



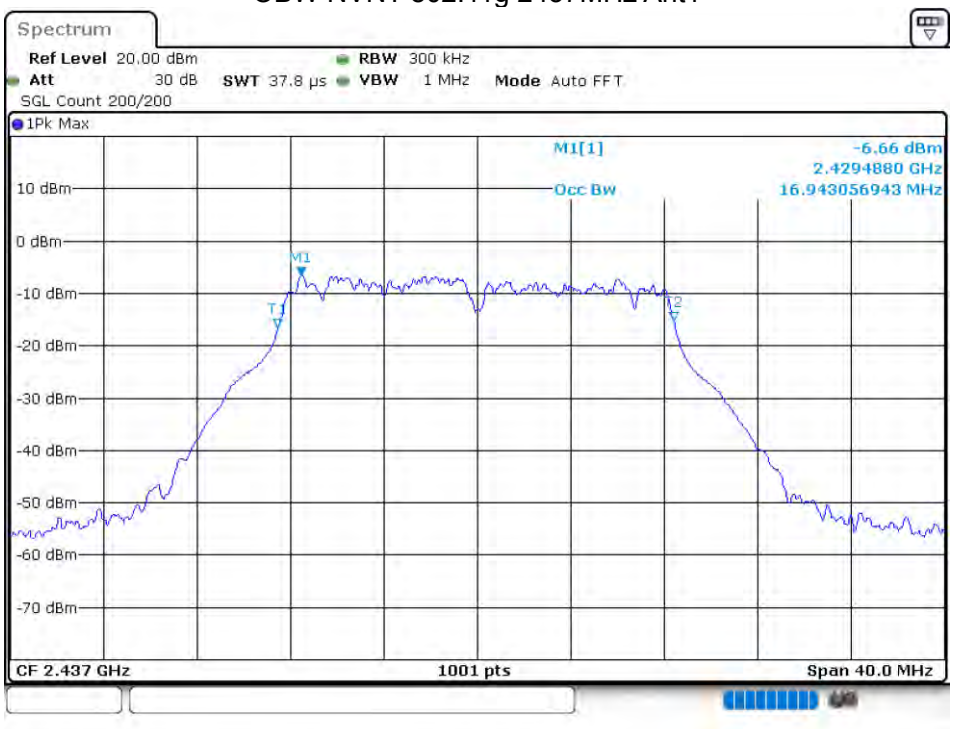
OBW NVNT 802.11g 2412MHz Ant1



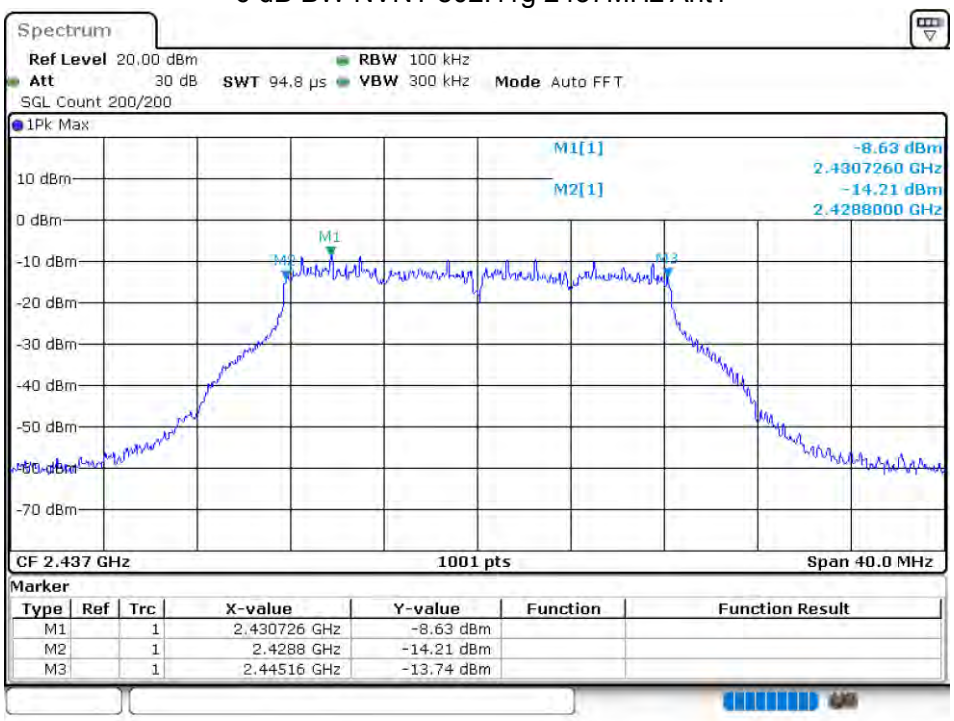
-6 dB BW NVNT 802.11g 2412MHz Ant1



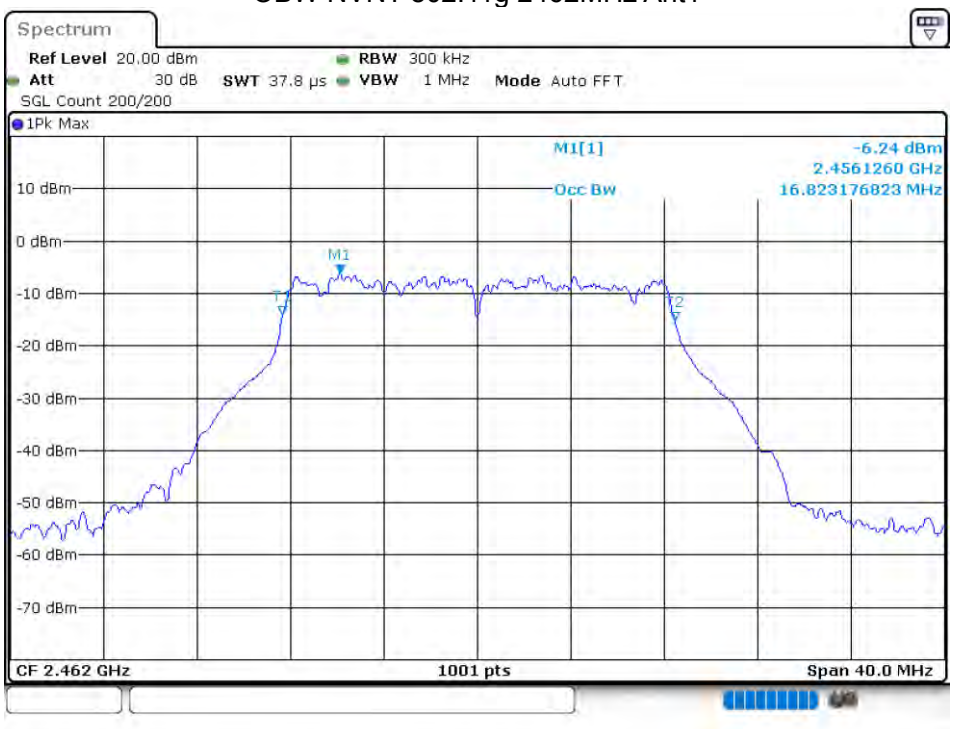
OBW NVNT 802.11g 2437MHz Ant1



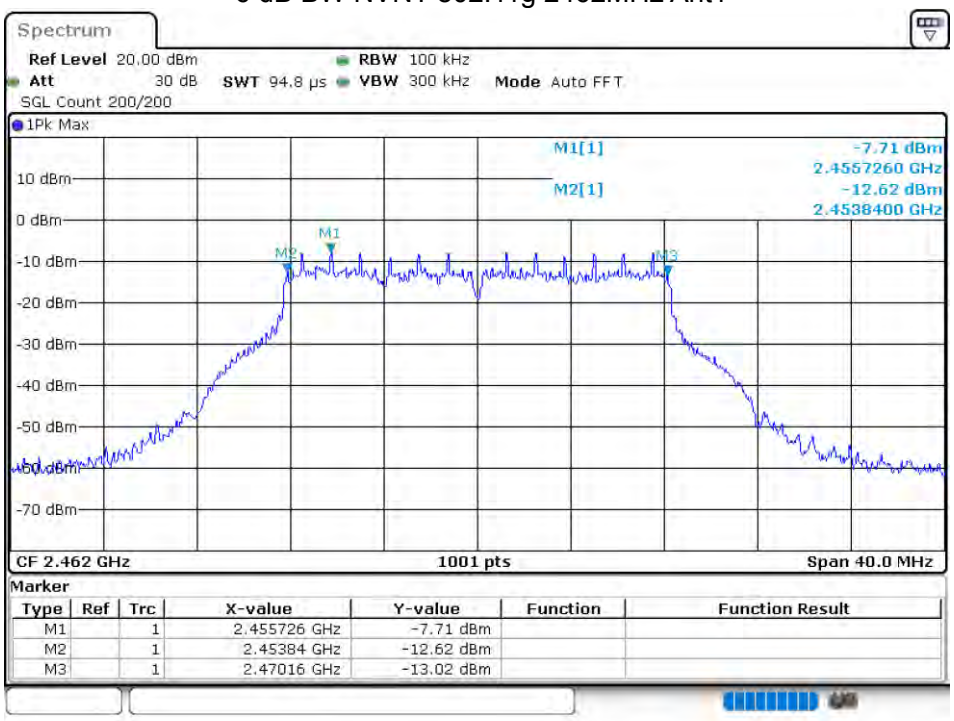
-6 dB BW NVNT 802.11g 2437MHz Ant1



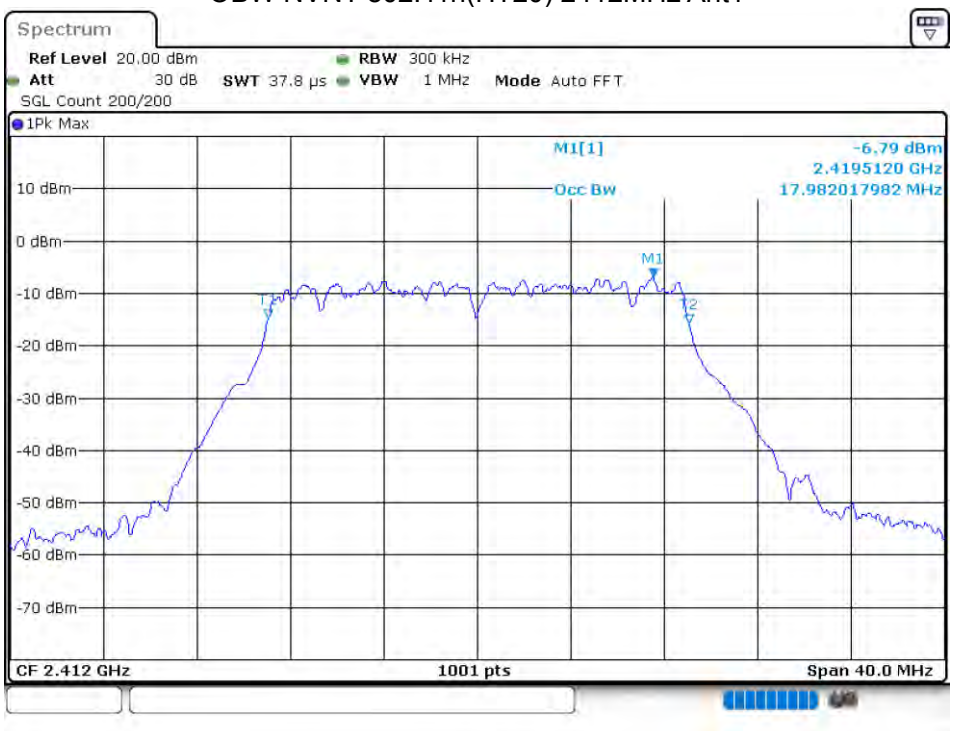
OBW NVNT 802.11g 2462MHz Ant1



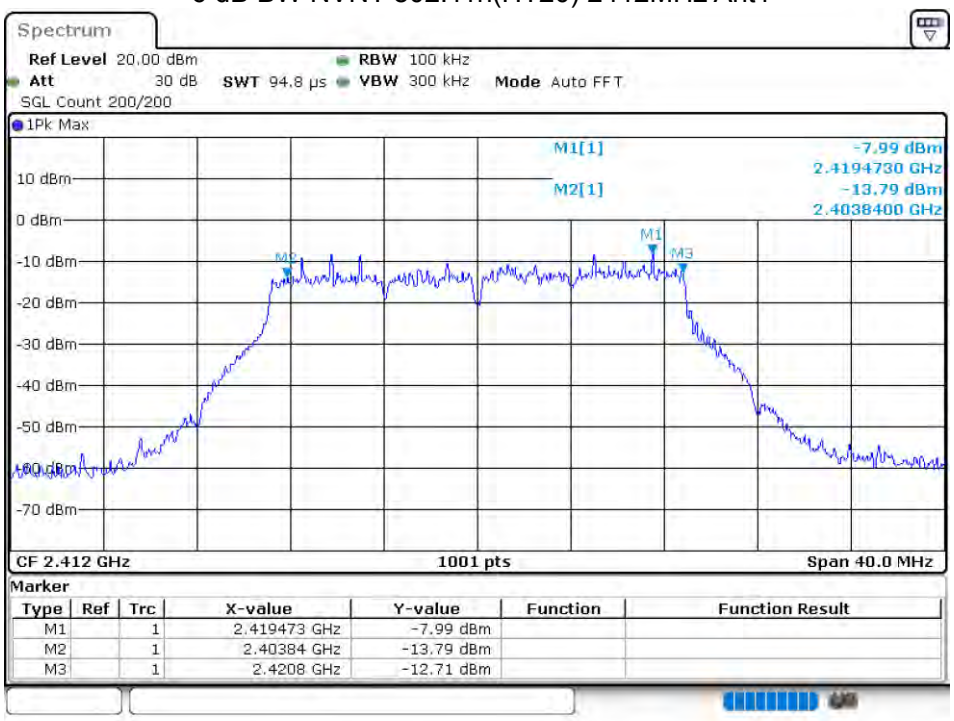
-6 dB BW NVNT 802.11g 2462MHz Ant1



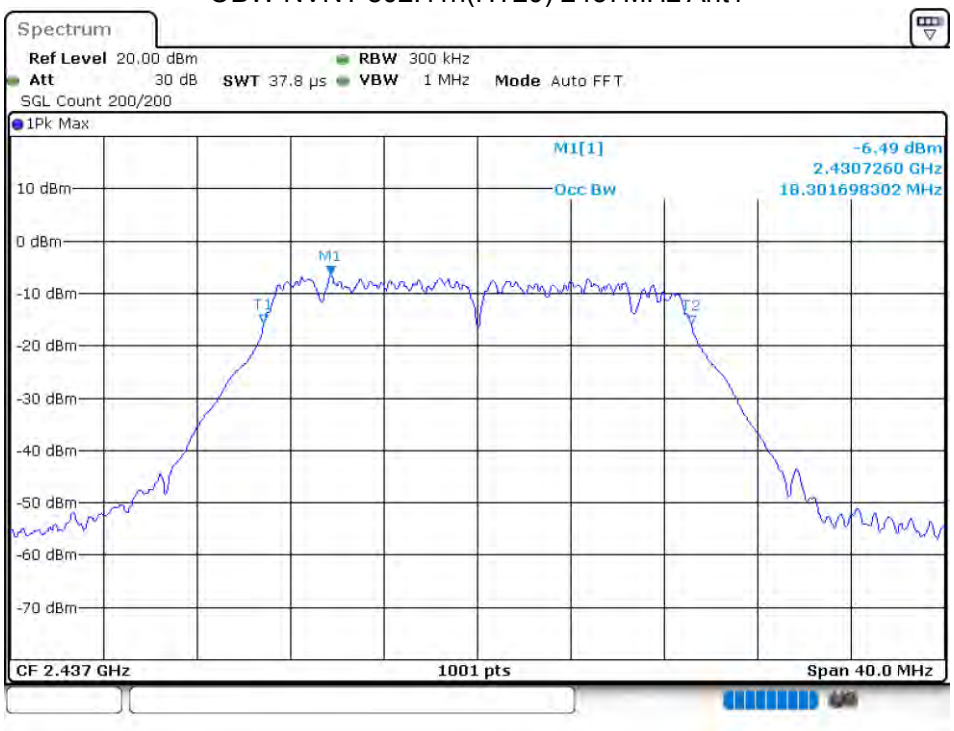
OBW NVNT 802.11n(HT20) 2412MHz Ant1



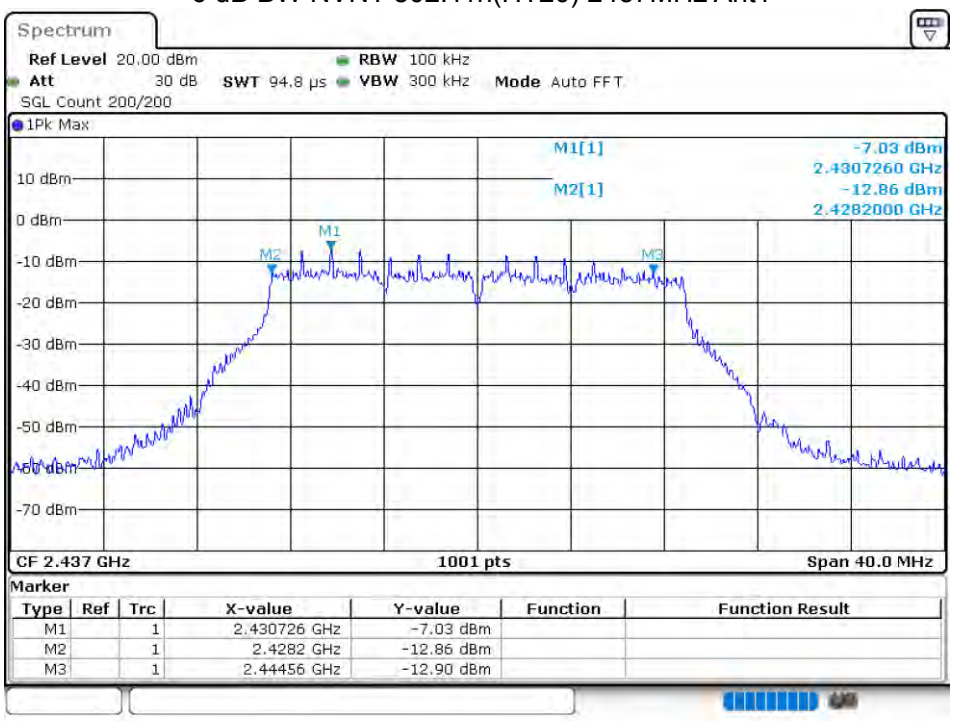
-6 dB BW NVNT 802.11n(HT20) 2412MHz Ant1



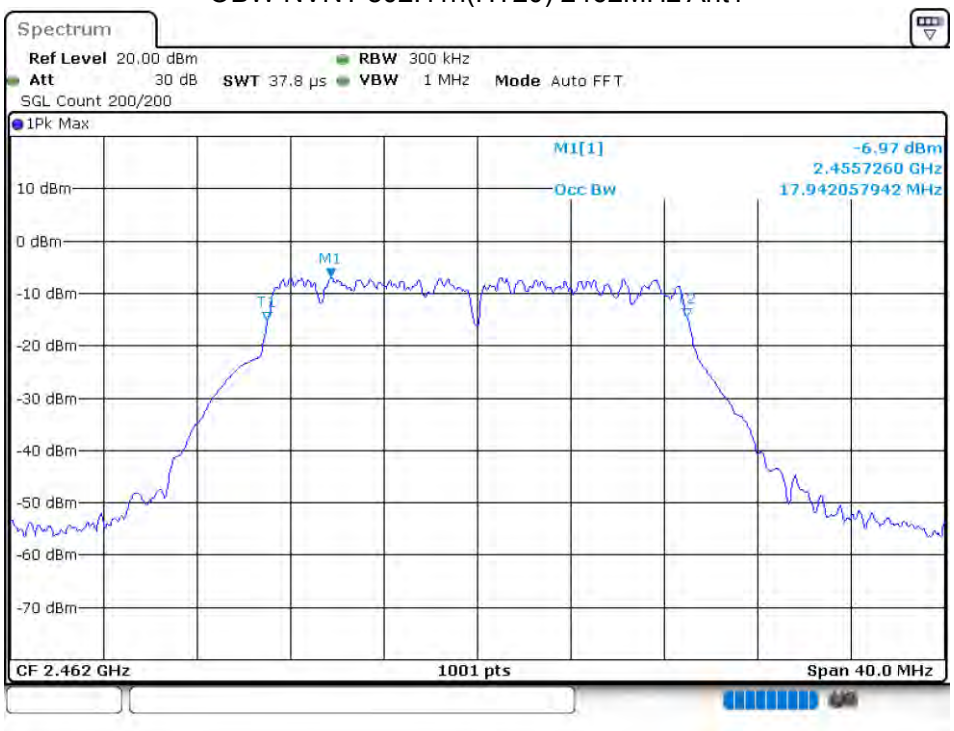
OBW NVNT 802.11n(HT20) 2437MHz Ant1



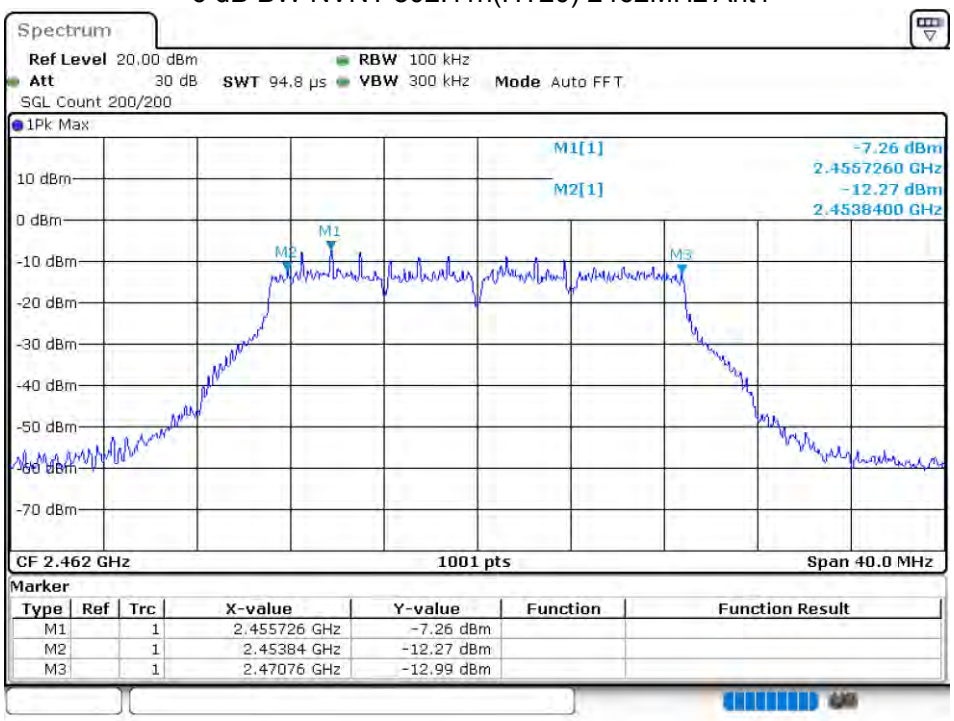
-6 dB BW NVNT 802.11n(HT20) 2437MHz Ant1



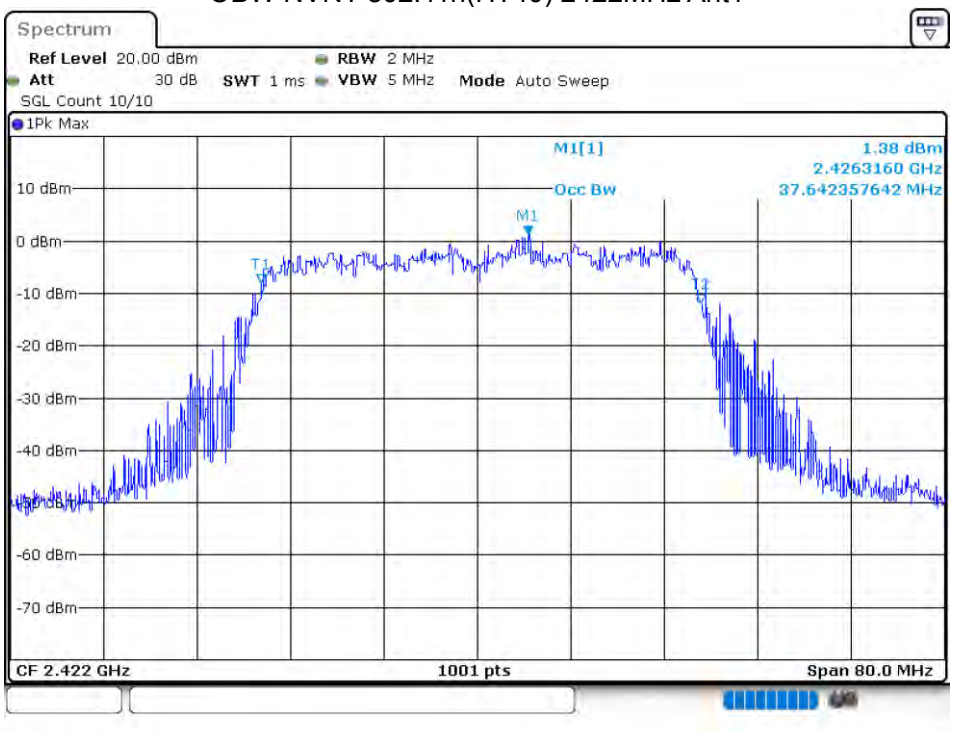
OBW NVNT 802.11n(HT20) 2462MHz Ant1



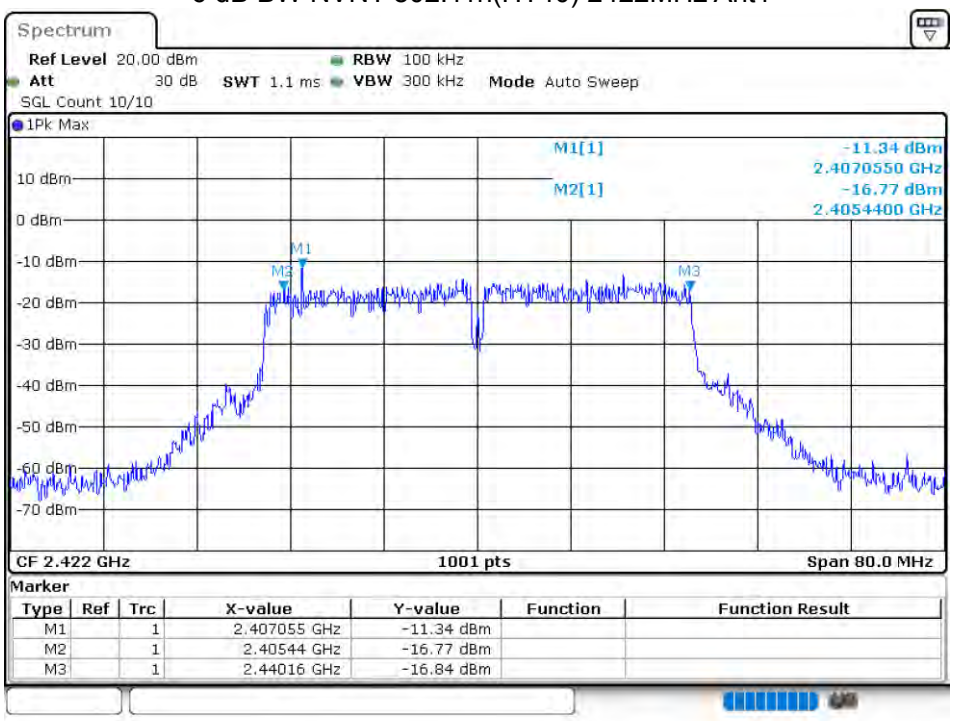
-6 dB BW NVNT 802.11n(HT20) 2462MHz Ant1



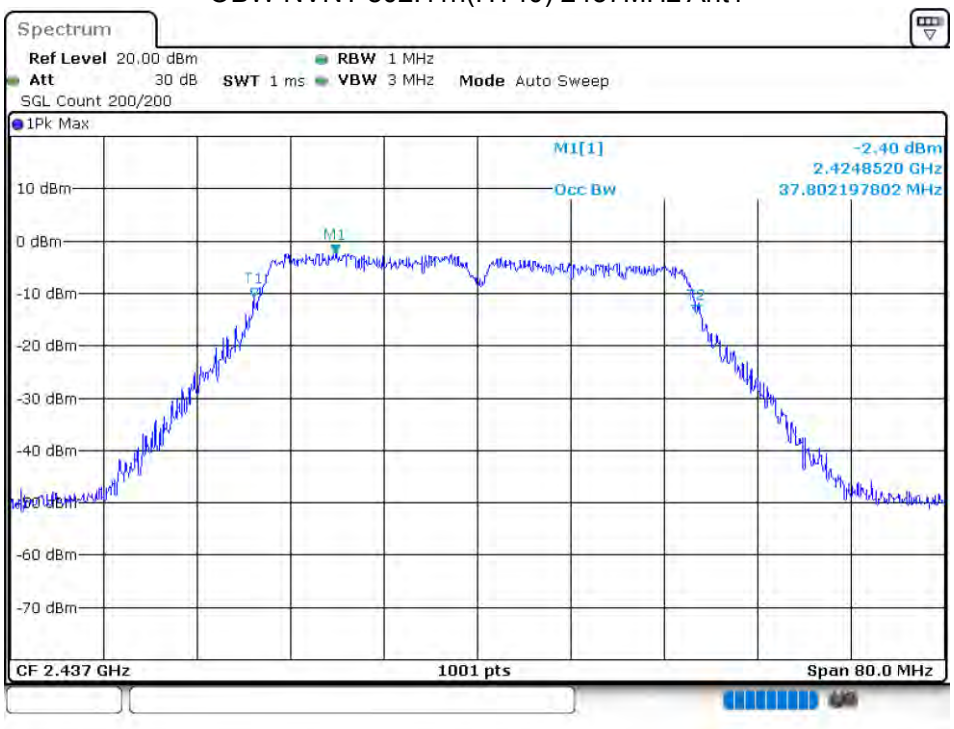
OBW NVNT 802.11n(HT40) 2422MHz Ant1



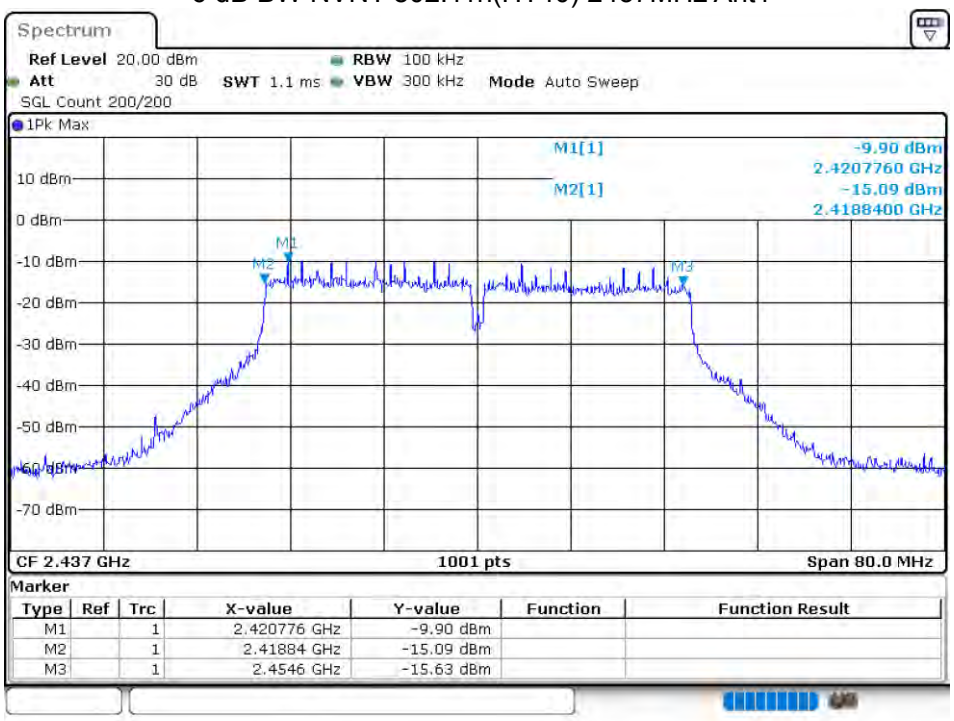
-6 dB BW NVNT 802.11n(HT40) 2422MHz Ant1



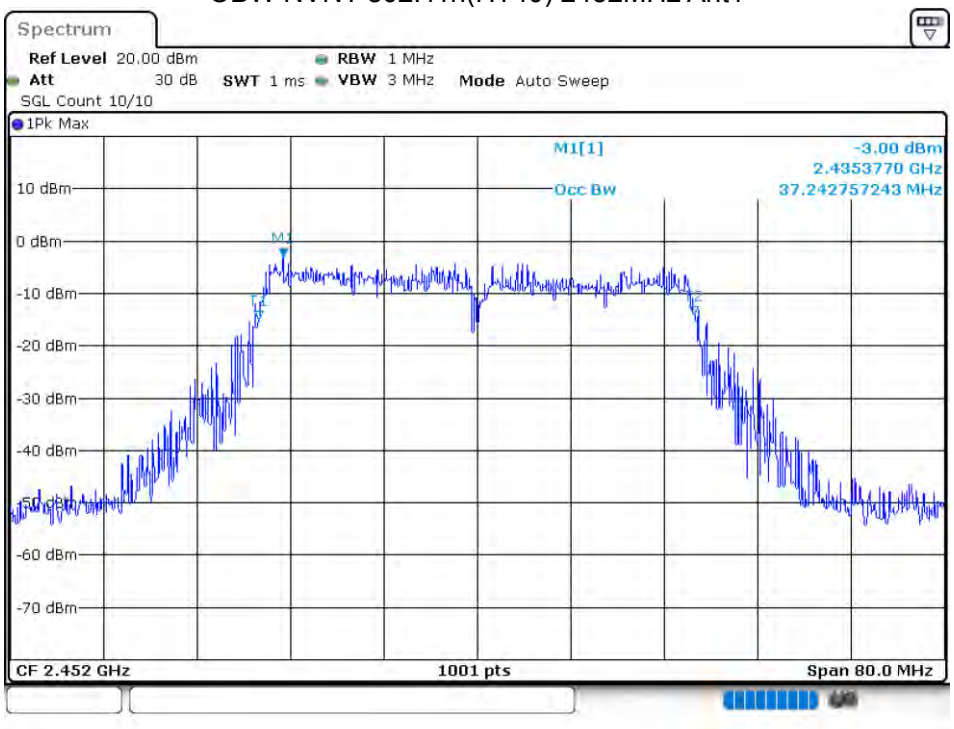
OBW NVNT 802.11n(HT40) 2437MHz Ant1



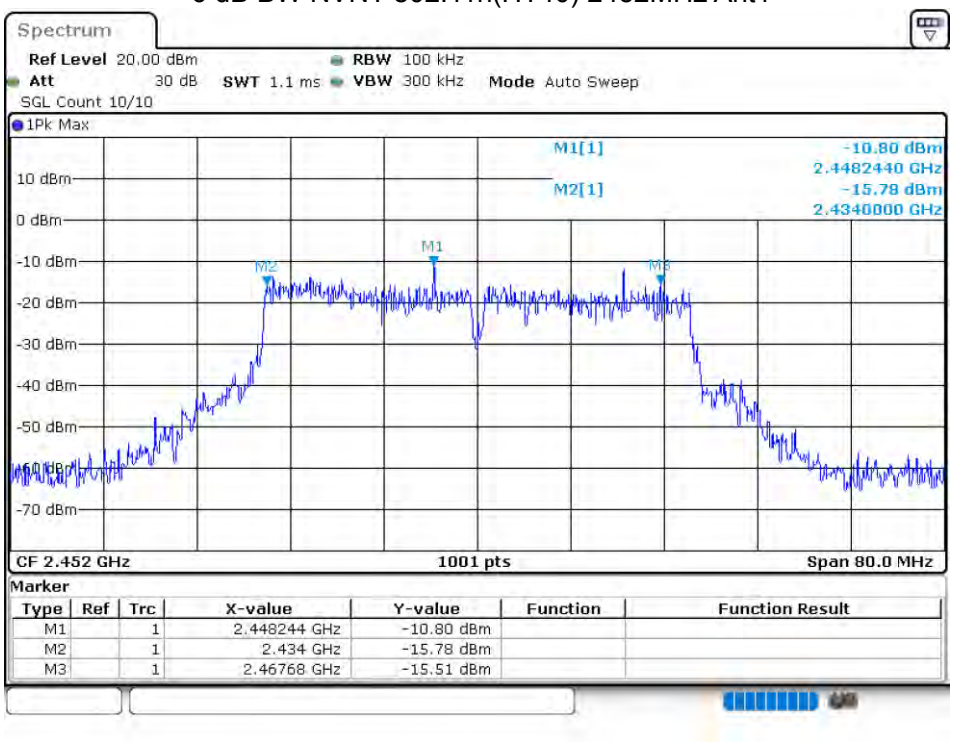
-6 dB BW NVNT 802.11n(HT40) 2437MHz Ant1



OBW NVNT 802.11n(HT40) 2452MHz Ant1



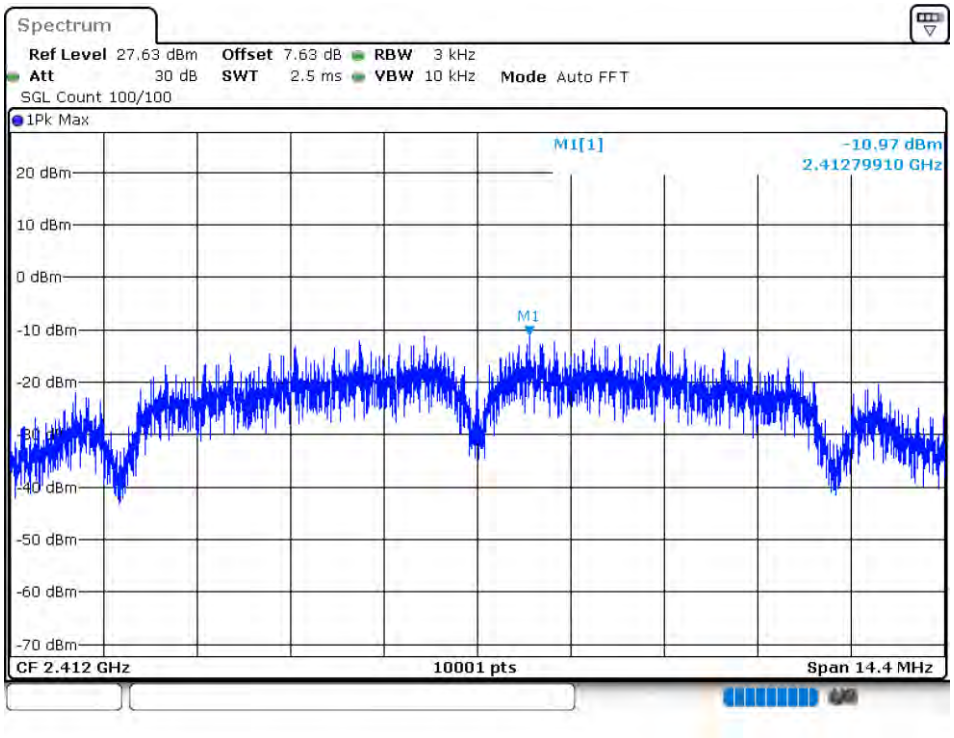
-6 dB BW NVNT 802.11n(HT40) 2452MHz Ant1



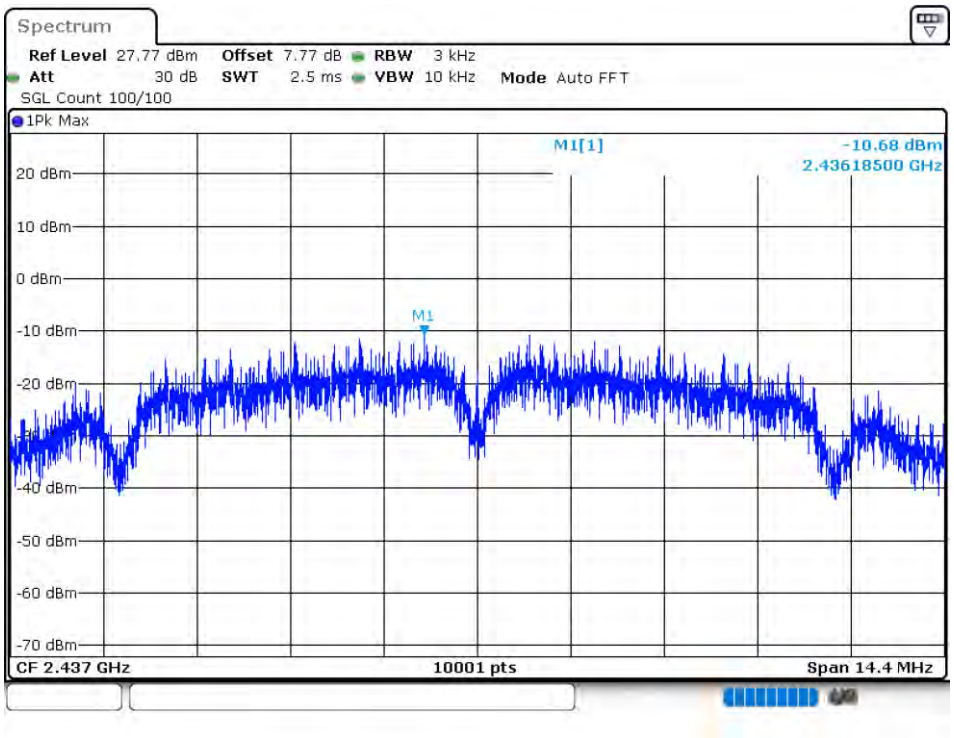
8.1.14 MAXIMUM POWER SPECTRAL DENSITY LEVEL

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	802.11b	2412	Ant 1	-10.971	8	Pass
NVNT	802.11b	2437	Ant 1	-10.679	8	Pass
NVNT	802.11b	2462	Ant 1	-10.748	8	Pass
NVNT	802.11g	2412	Ant 1	-14.484	8	Pass
NVNT	802.11g	2437	Ant 1	-14.688	8	Pass
NVNT	802.11g	2462	Ant 1	-14.924	8	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-14.779	8	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-15.41	8	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-15.354	8	Pass
NVNT	802.11n(HT40)	2422	Ant 1	-16.619	8	Pass
NVNT	802.11n(HT40)	2437	Ant 1	-16.868	8	Pass
NVNT	802.11n(HT40)	2452	Ant 1	-16.785	8	Pass

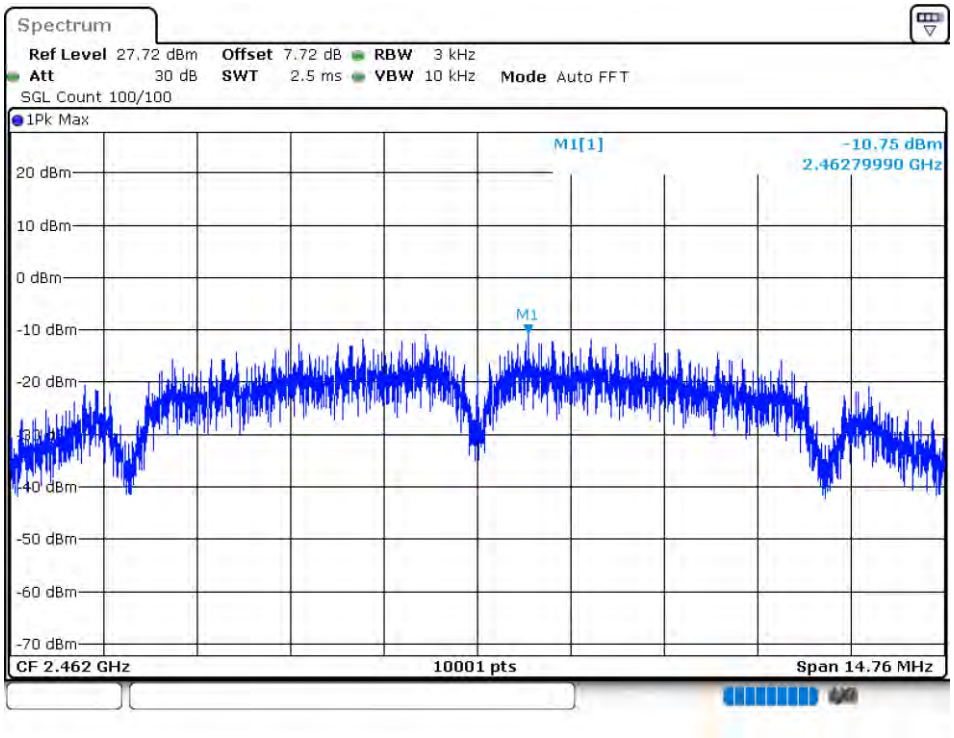
PSD NVNT 802.11b 2412MHz Ant1



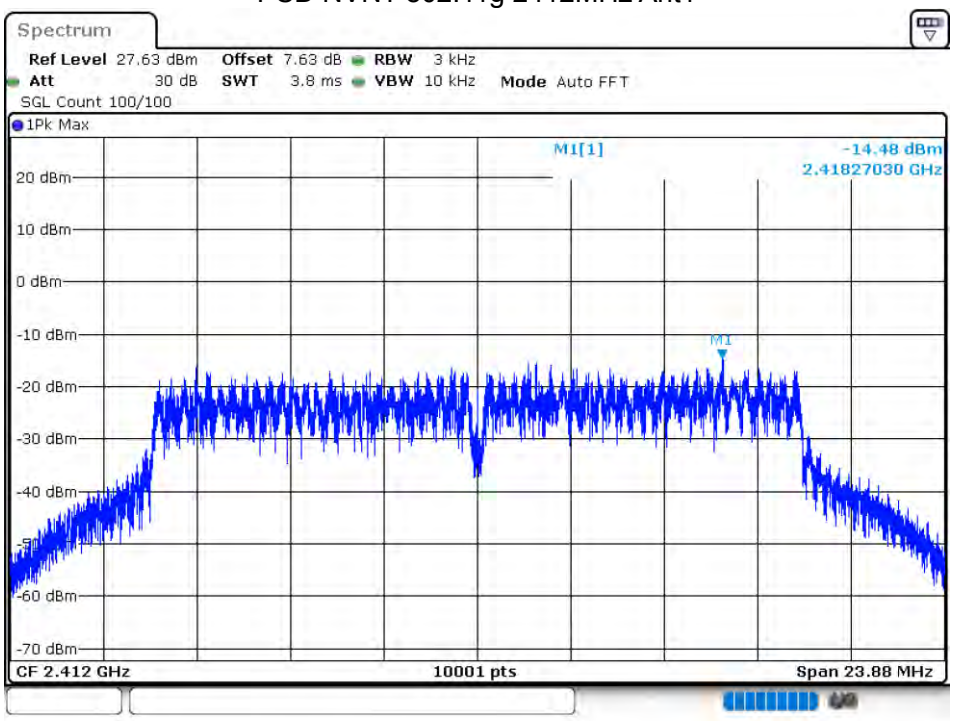
PSD NVNT 802.11b 2437MHz Ant1



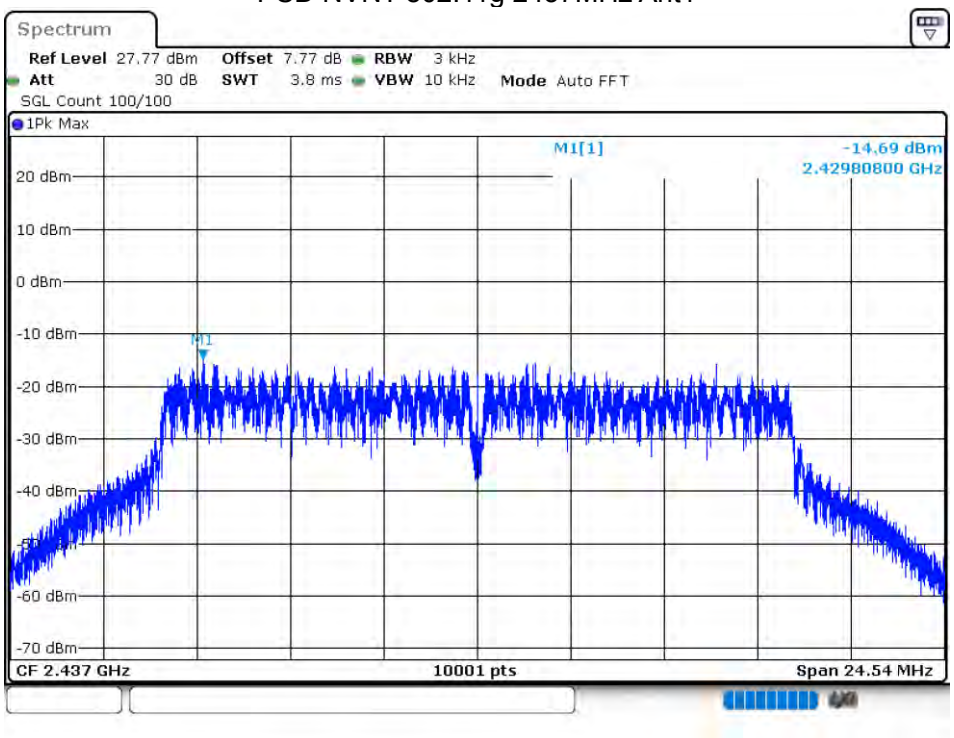
PSD NVNT 802.11b 2462MHz Ant1



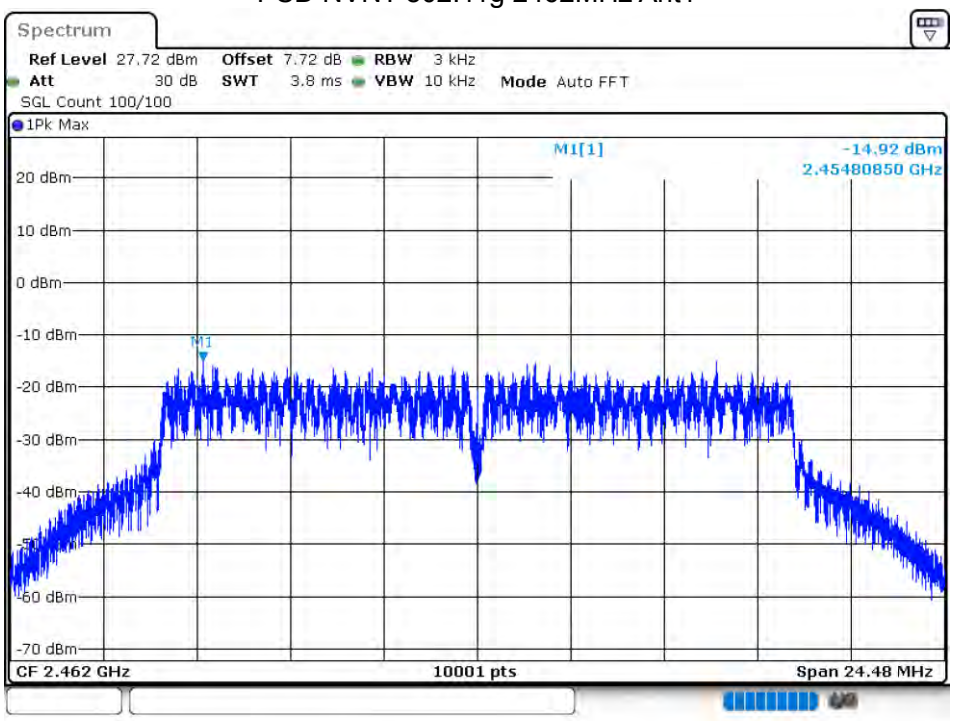
PSD NVNT 802.11g 2412MHz Ant1



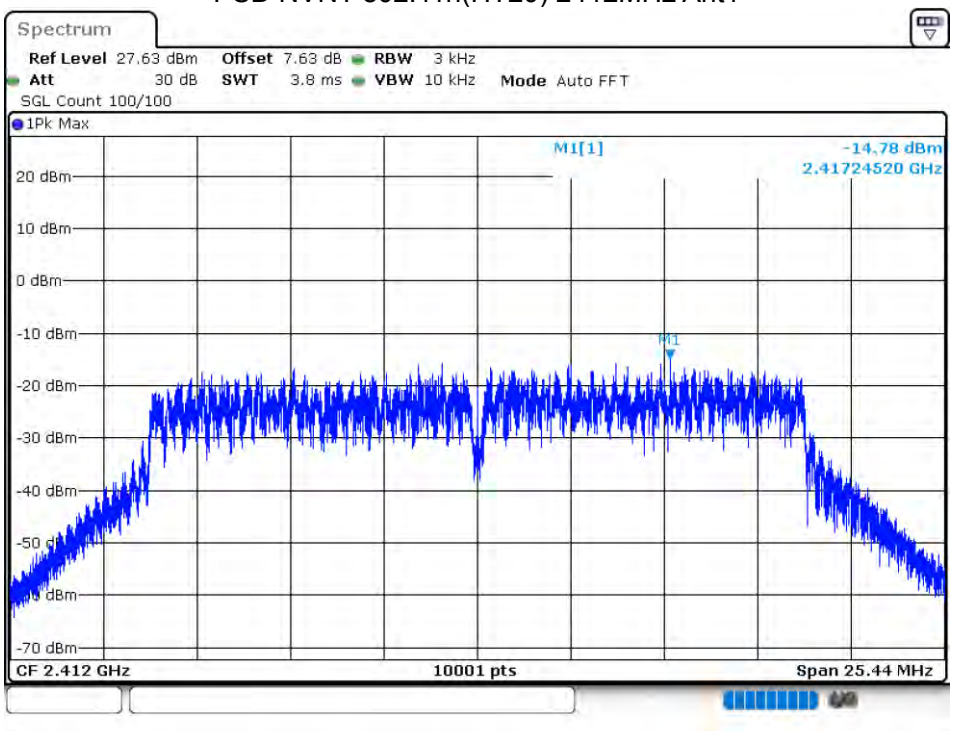
PSD NVNT 802.11g 2437MHz Ant1



PSD NVNT 802.11g 2462MHz Ant1



PSD NVNT 802.11n(HT20) 2412MHz Ant1



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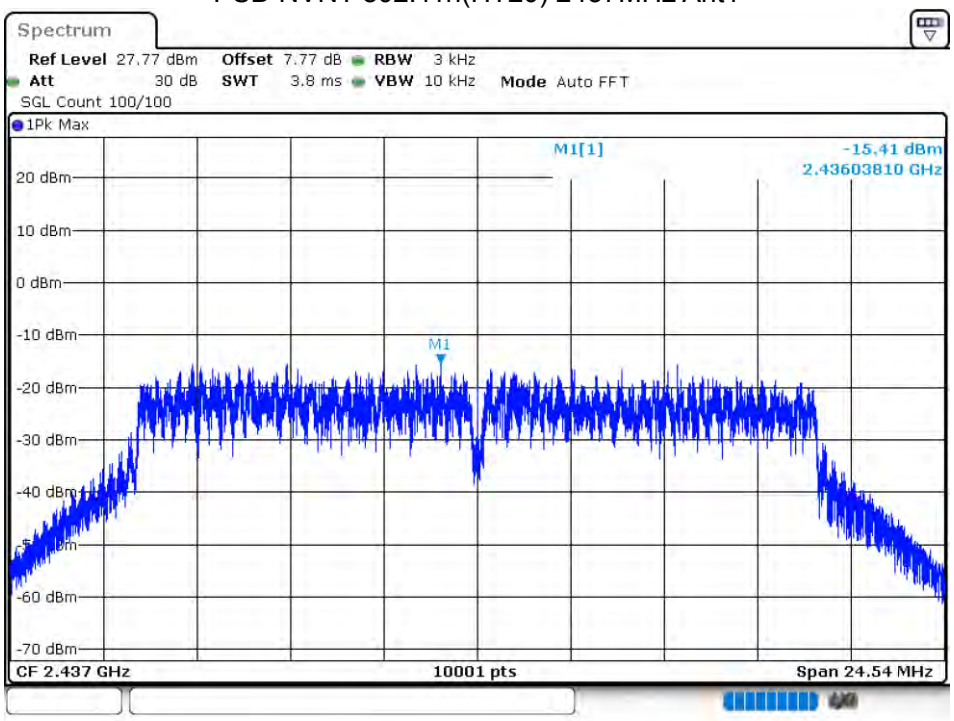
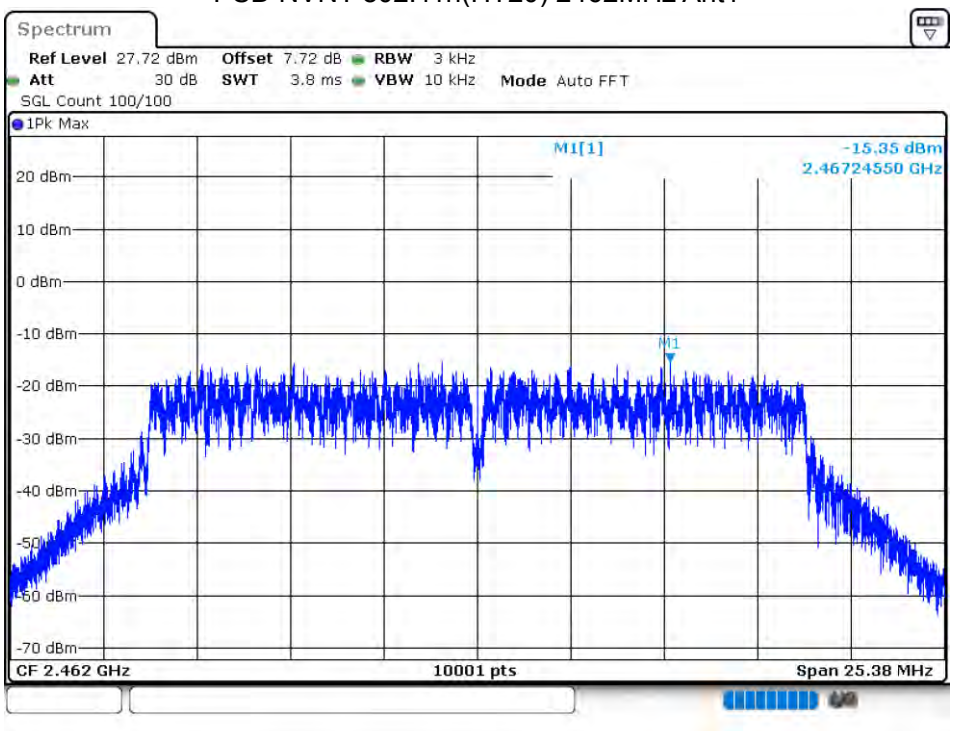
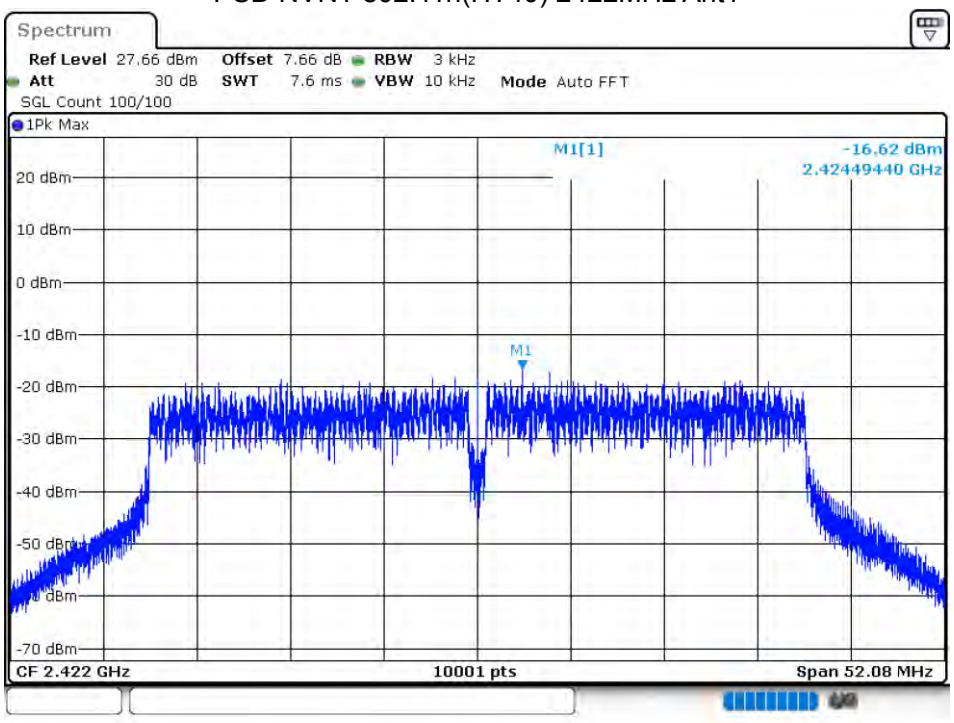


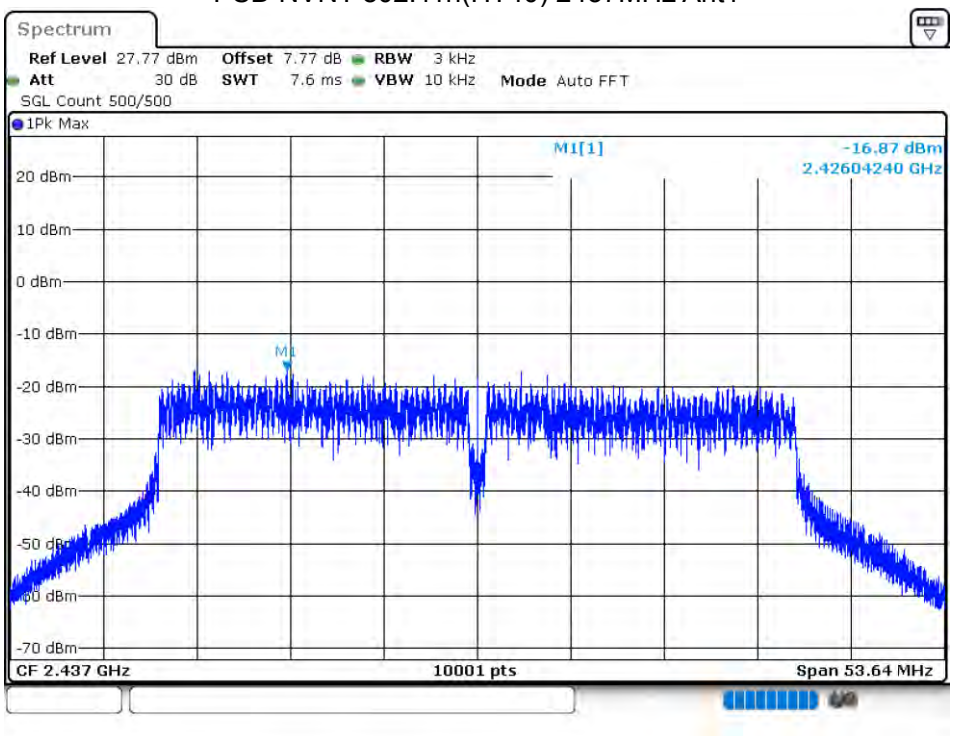
PSD NVNT 802.11n(HT20) 2462MHz Ant1



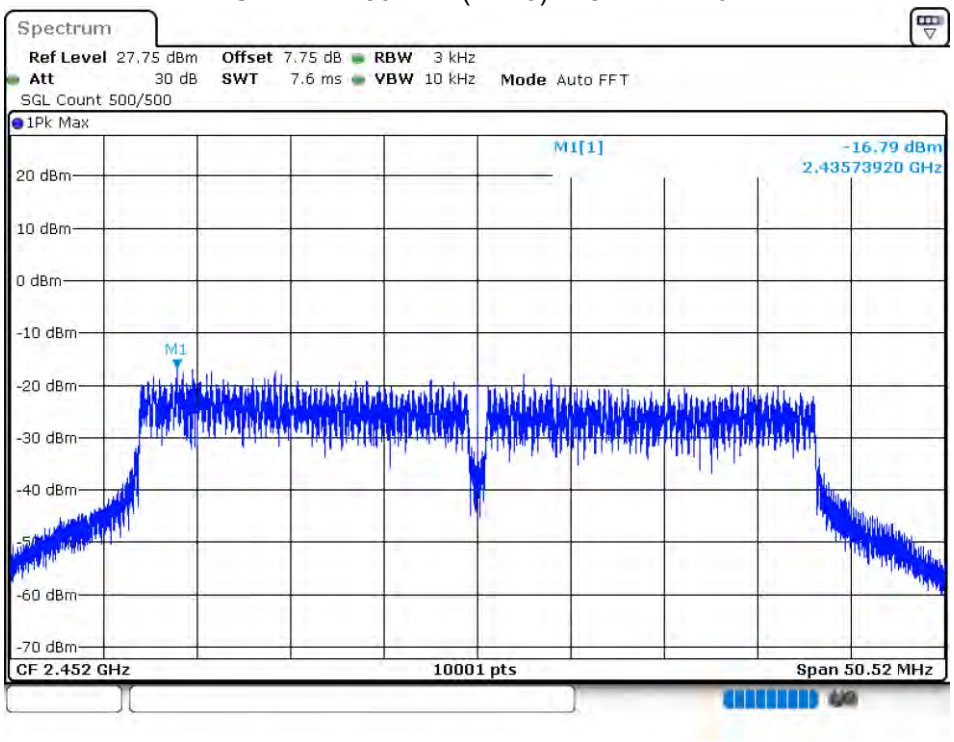
PSD NVNT 802.11n(HT40) 2422MHz Ant1



PSD NVNT 802.11n(HT40) 2437MHz Ant1



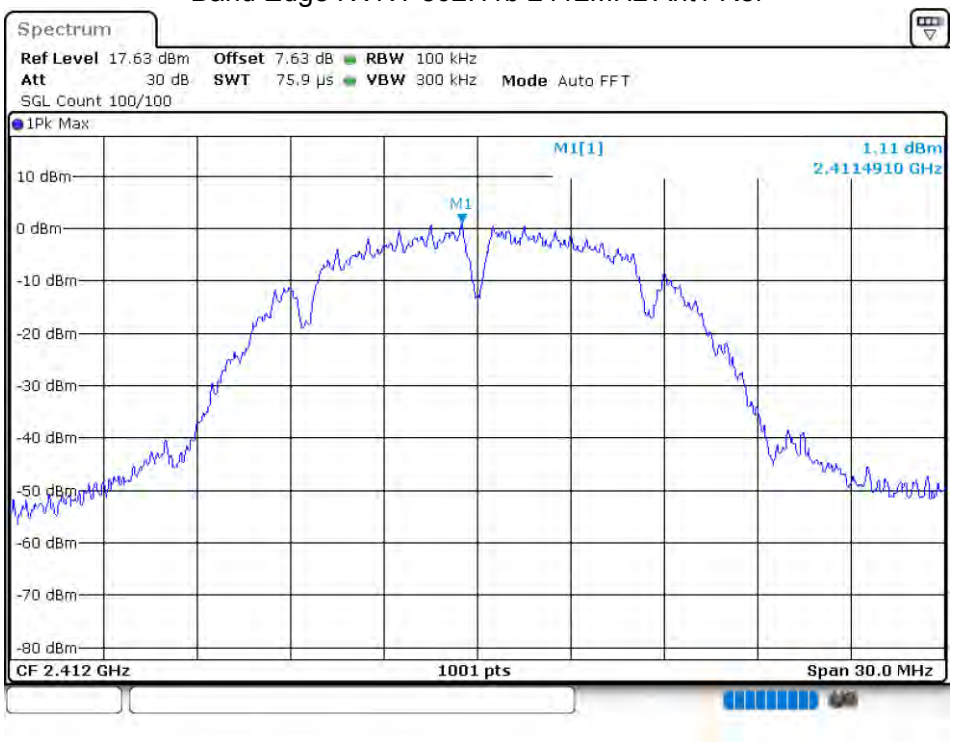
PSD NVNT 802.11n(HT40) 2452MHz Ant1



8.1.15 **BAND EDGE**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-51.33	-20	Pass
NVNT	802.11b	2462	Ant 1	-49.56	-20	Pass
NVNT	802.11g	2412	Ant 1	-49.99	-20	Pass
NVNT	802.11g	2462	Ant 1	-51.53	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-50.98	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-50.06	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 1	-47.22	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 1	-45.36	-20	Pass

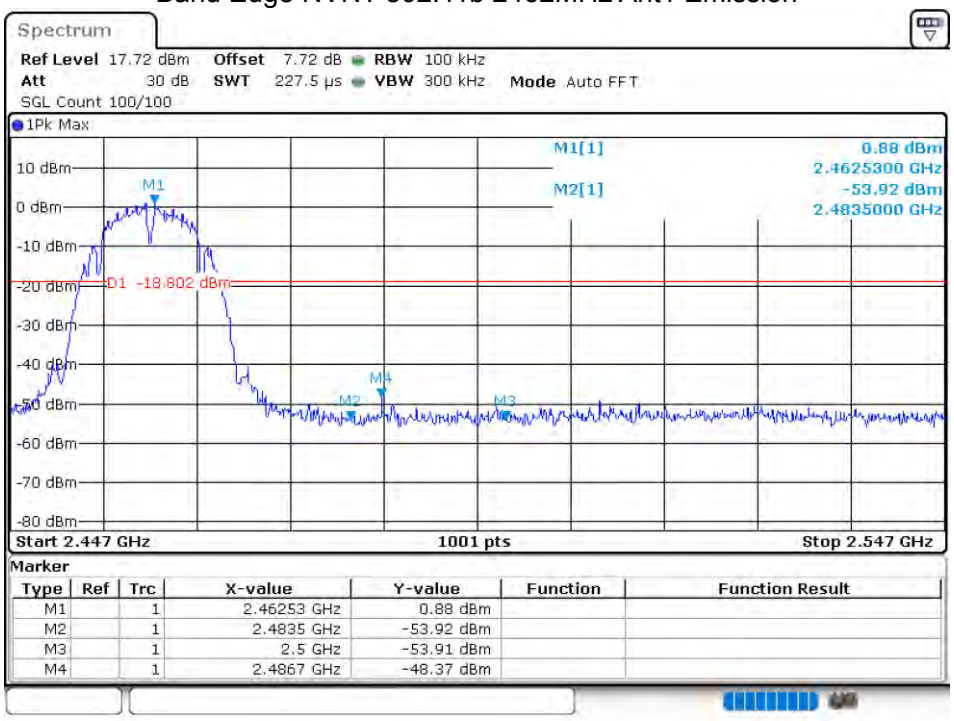
Band Edge NVNT 802.11b 2412MHz Ant1 Ref



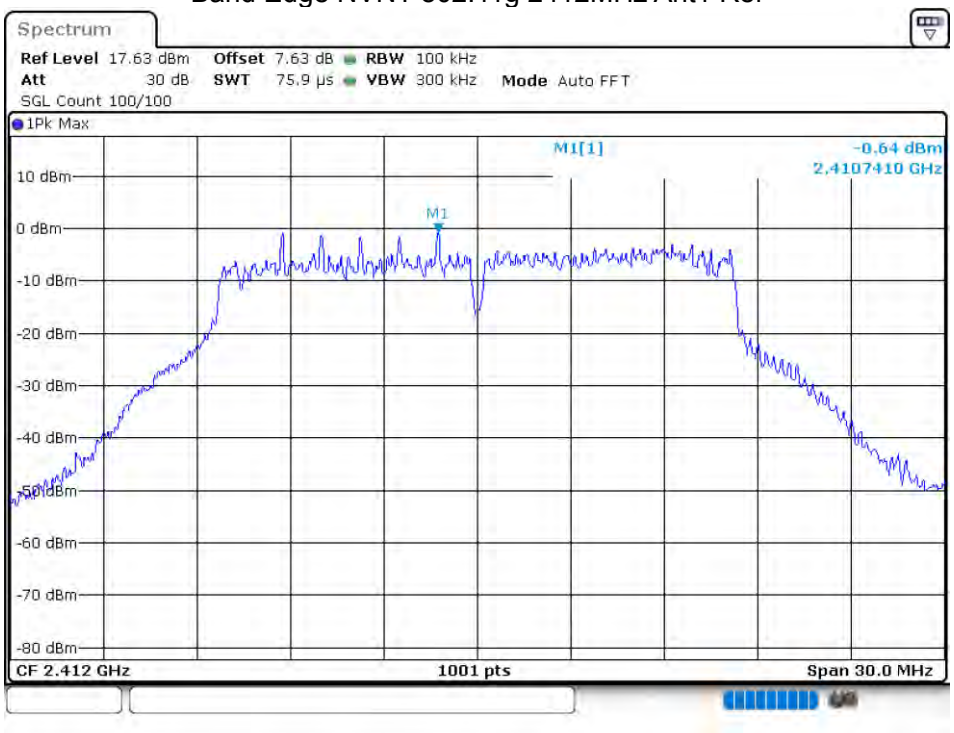
Band Edge NVNT 802.11b 2412MHz Ant1 Emission

Band Edge NVNT 802.11b 2462MHz Ant1 Ref

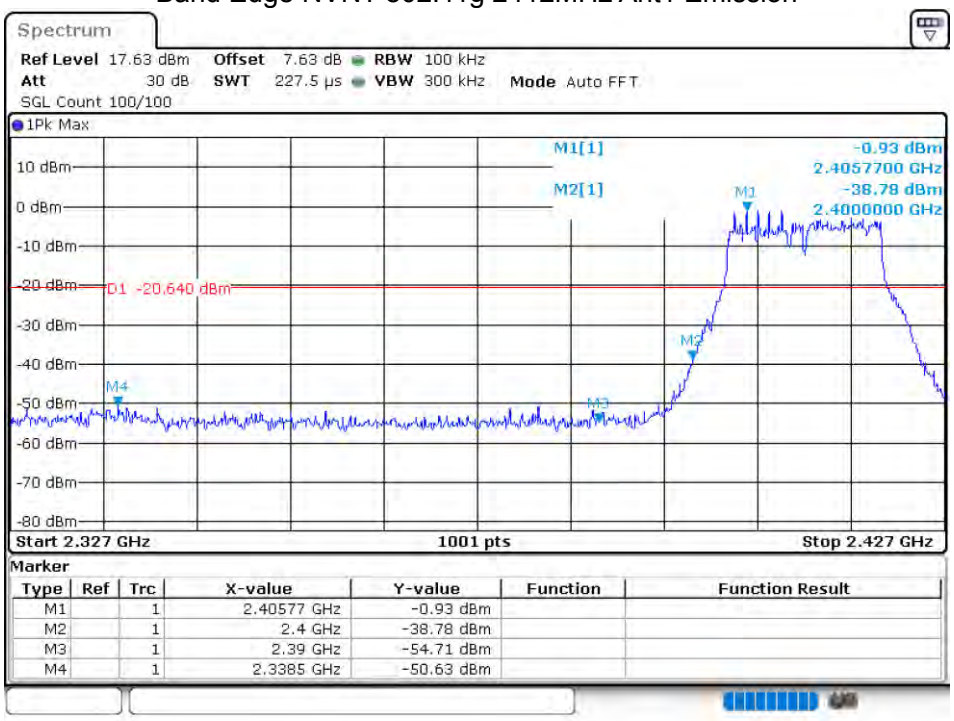
Band Edge NVNT 802.11b 2462MHz Ant1 Emission



Band Edge NVNT 802.11g 2412MHz Ant1 Ref



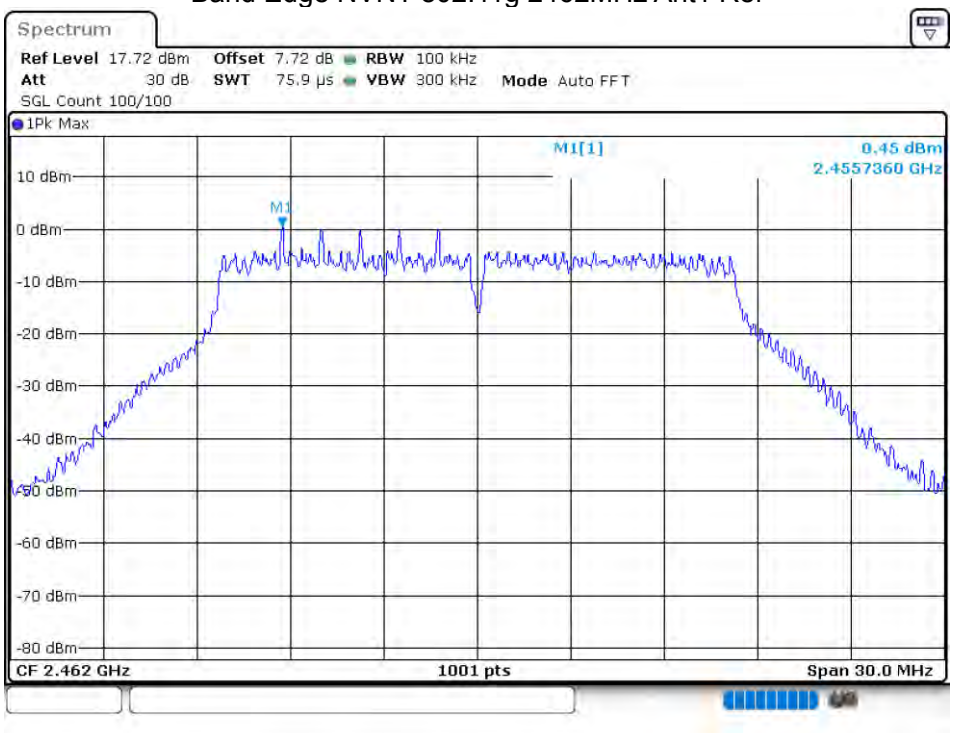
Band Edge NVNT 802.11g 2412MHz Ant1 Emission



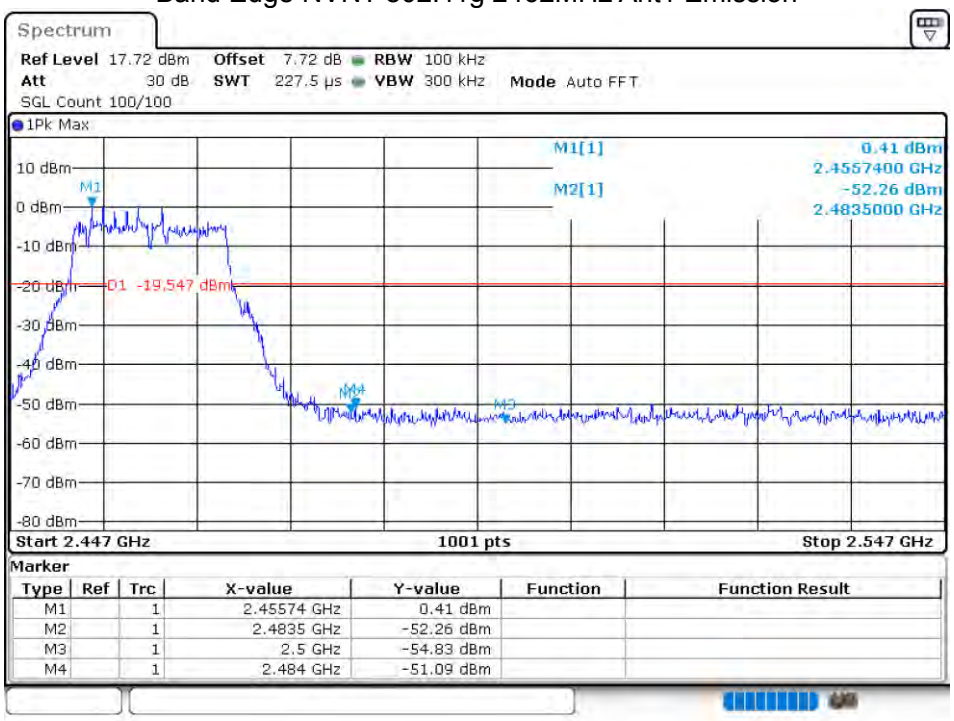
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40577 GHz	-0.93 dBm		
M2		1	2.4 GHz	-38.78 dBm		
M3		1	2.39 GHz	-54.71 dBm		
M4		1	2.3385 GHz	-50.63 dBm		

Band Edge NVNT 802.11g 2462MHz Ant1 Ref



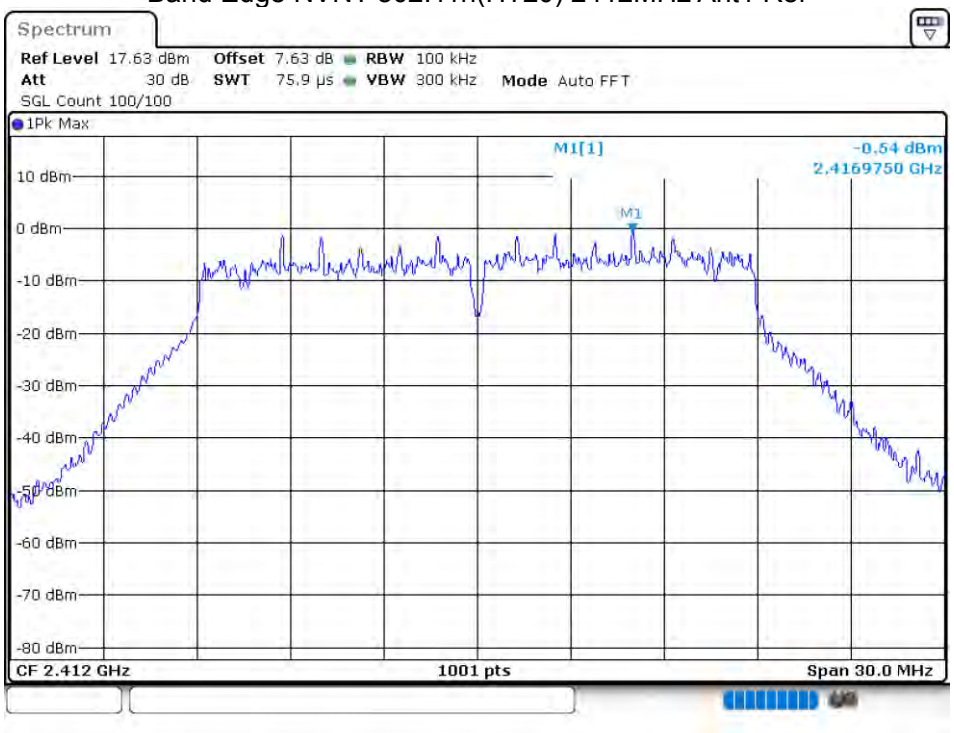
Band Edge NVNT 802.11g 2462MHz Ant1 Emission



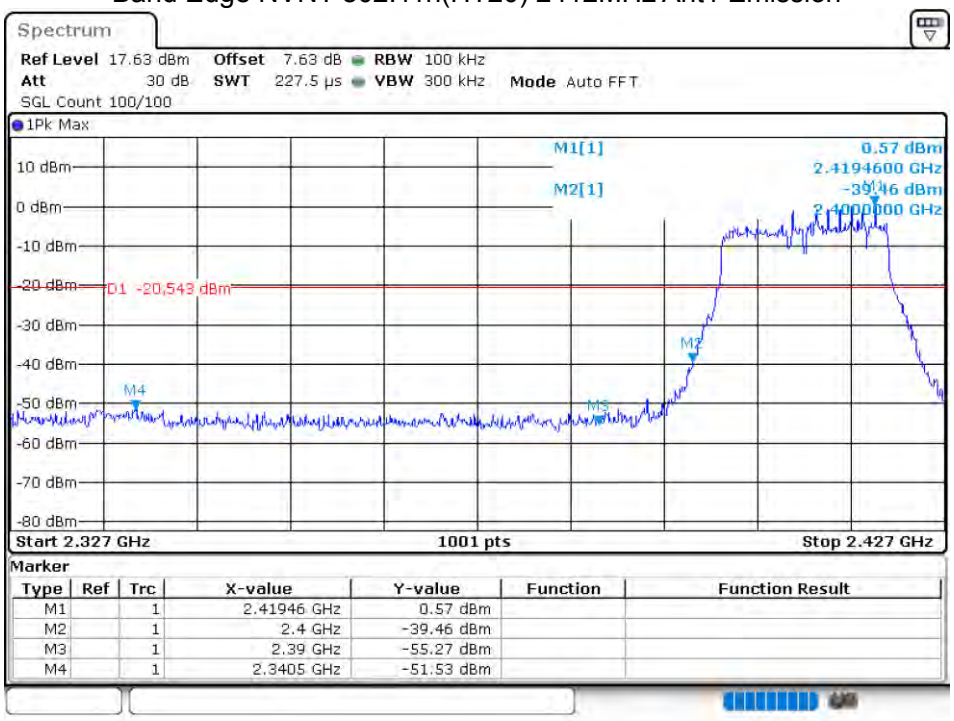
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45574 GHz	0.41 dBm		
M2		1	2.4835 GHz	-52.26 dBm		
M3		1	2.5 GHz	-54.83 dBm		
M4		1	2.484 GHz	-51.09 dBm		

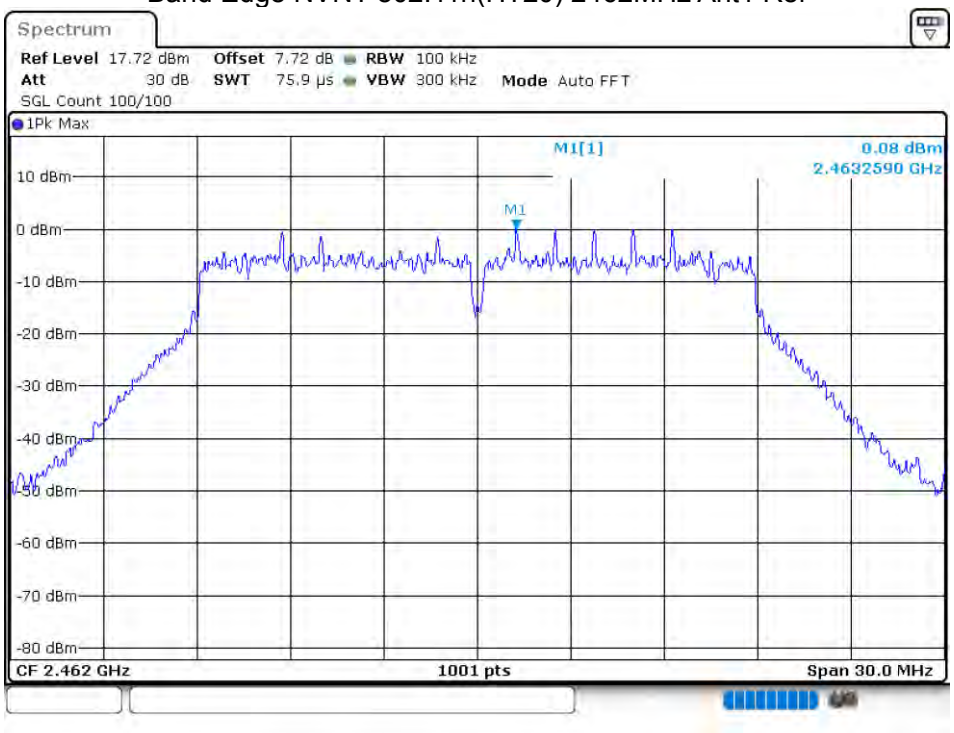
Band Edge NVNT 802.11n(HT20) 2412MHz Ant1 Ref



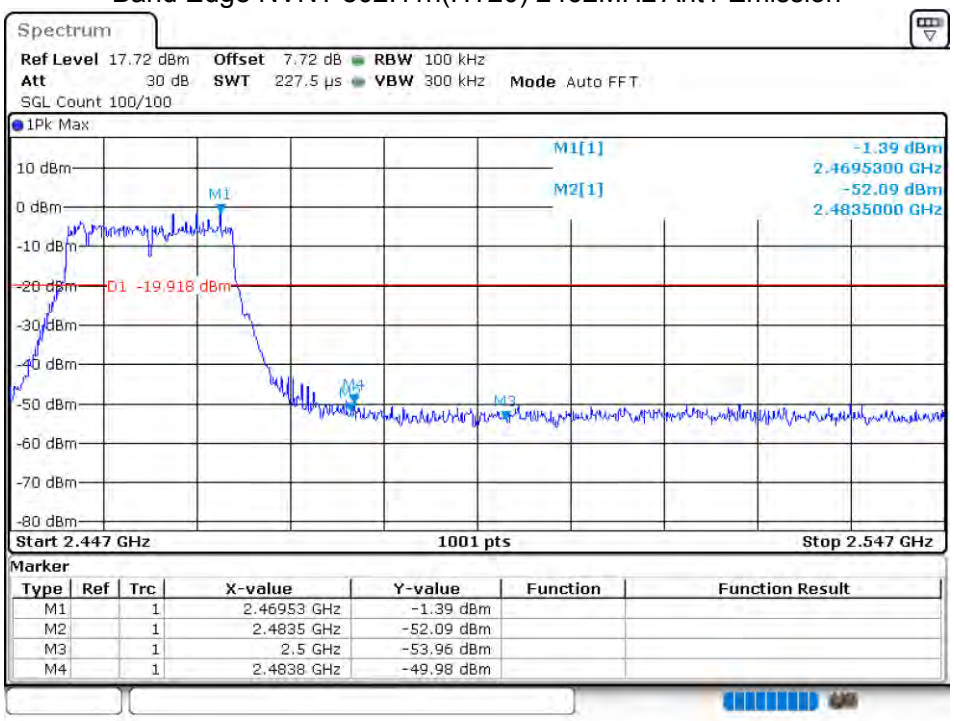
Band Edge NVNT 802.11n(HT20) 2412MHz Ant1 Emission



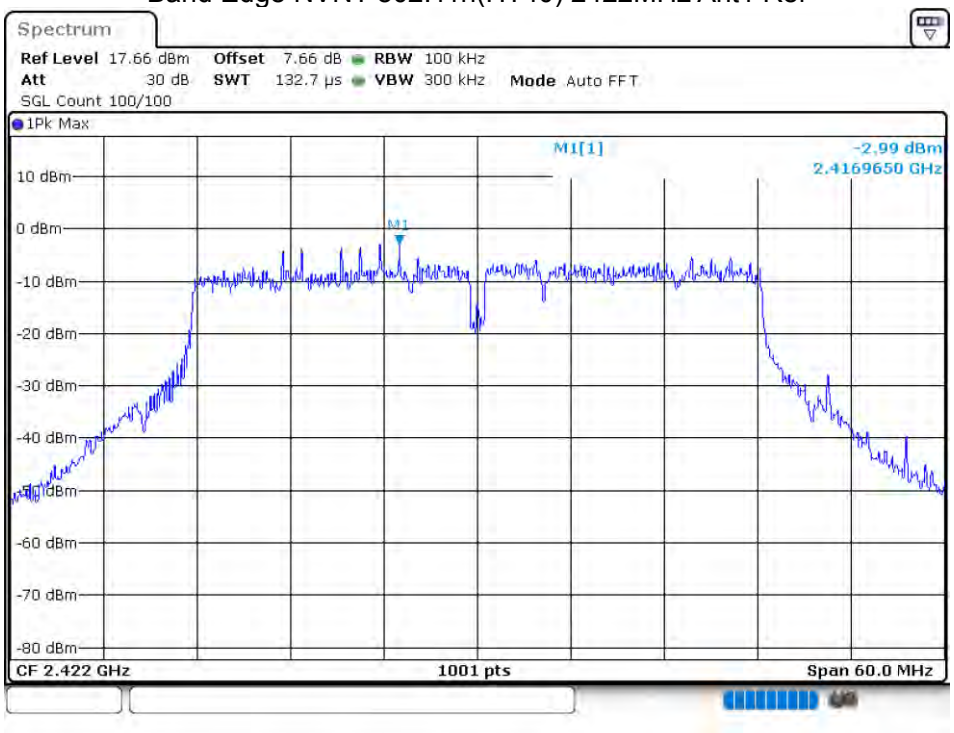
Band Edge NVNT 802.11n(HT20) 2462MHz Ant1 Ref



Band Edge NVNT 802.11n(HT20) 2462MHz Ant1 Emission

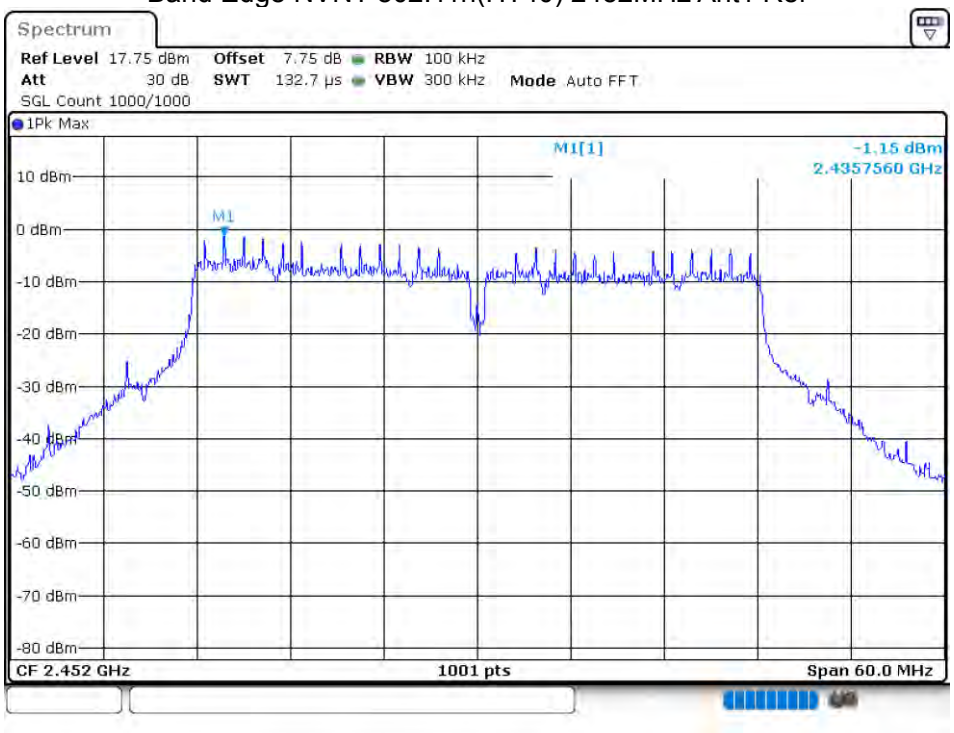


Band Edge NVNT 802.11n(HT40) 2422MHz Ant1 Ref

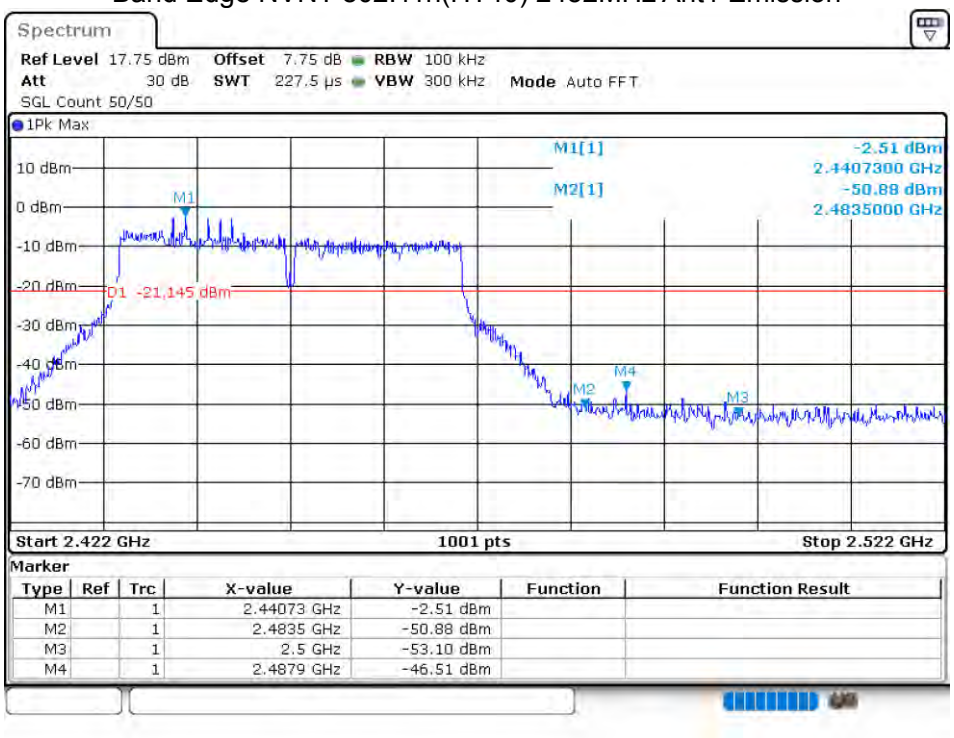


Band Edge NVNT 802.11n(HT40) 2422MHz Ant1 Emission

Band Edge NVNT 802.11n(HT40) 2452MHz Ant1 Ref



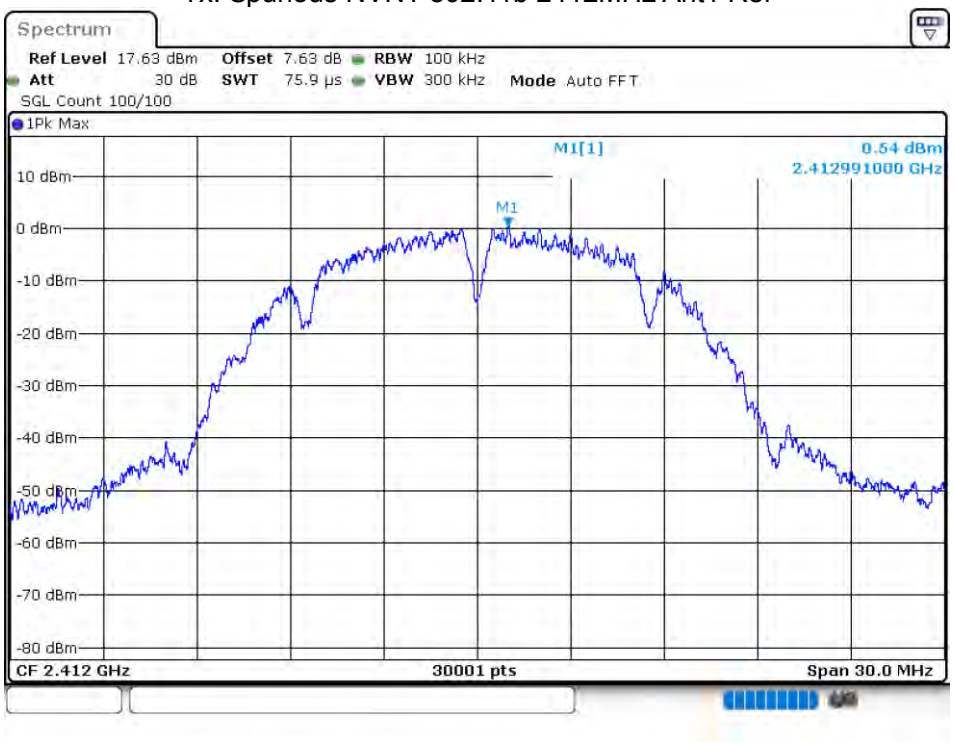
Band Edge NVNT 802.11n(HT40) 2452MHz Ant1 Emission



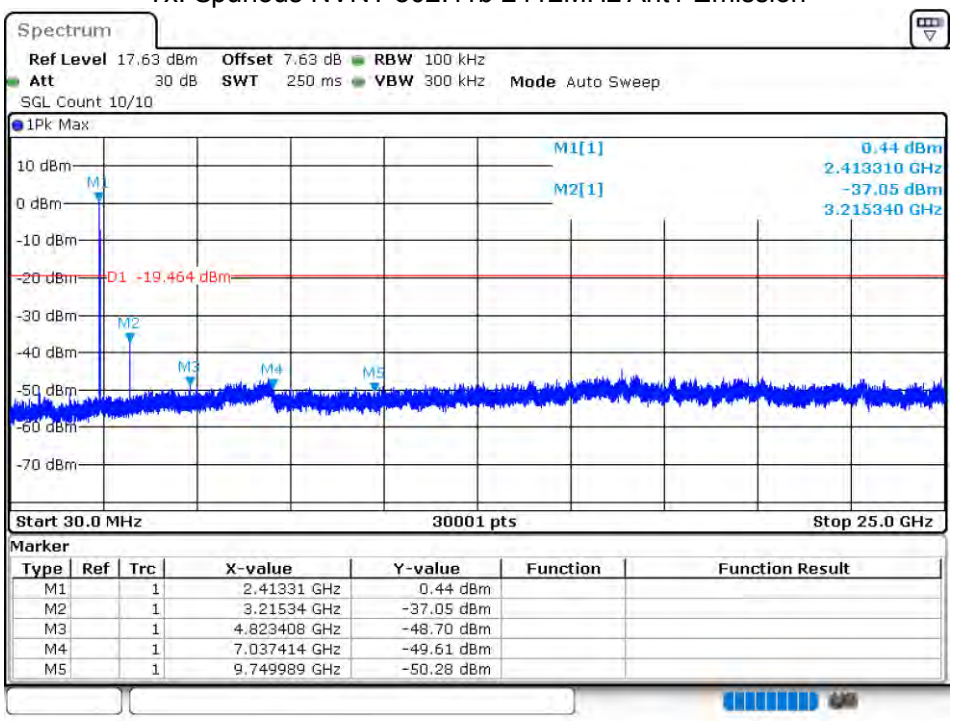
8.1.16 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-37.58	-20	Pass
NVNT	802.11b	2437	Ant 1	-40.37	-20	Pass
NVNT	802.11b	2462	Ant 1	-42.92	-20	Pass
NVNT	802.11g	2412	Ant 1	-35.69	-20	Pass
NVNT	802.11g	2437	Ant 1	-40.03	-20	Pass
NVNT	802.11g	2462	Ant 1	-41.42	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-37.77	-20	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-40.48	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-41.28	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 1	-34.19	-20	Pass
NVNT	802.11n(HT40)	2437	Ant 1	-38.27	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 1	-40.53	-20	Pass

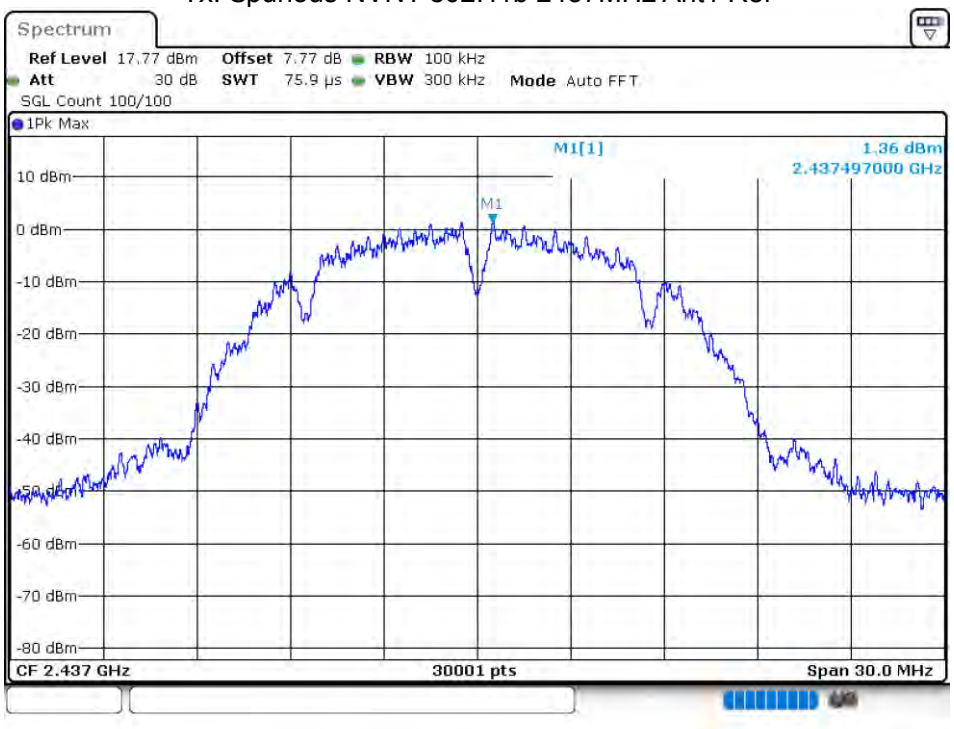
Tx. Spurious NVNT 802.11b 2412MHz Ant1 Ref



Tx. Spurious NVNT 802.11b 2412MHz Ant1 Emission



Tx. Spurious NVNT 802.11b 2437MHz Ant1 Ref



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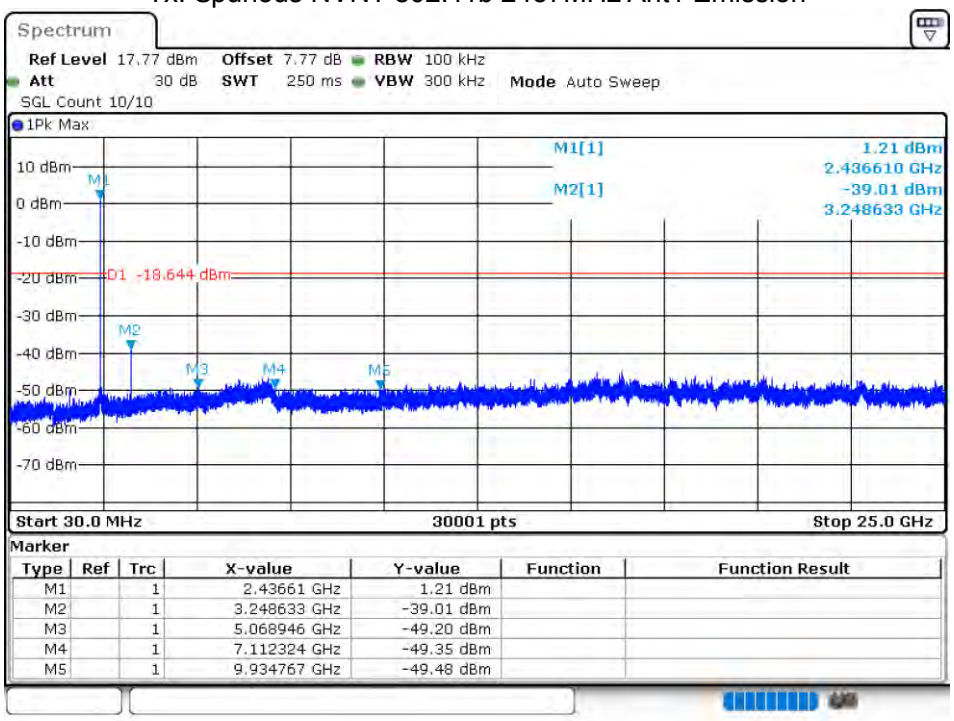
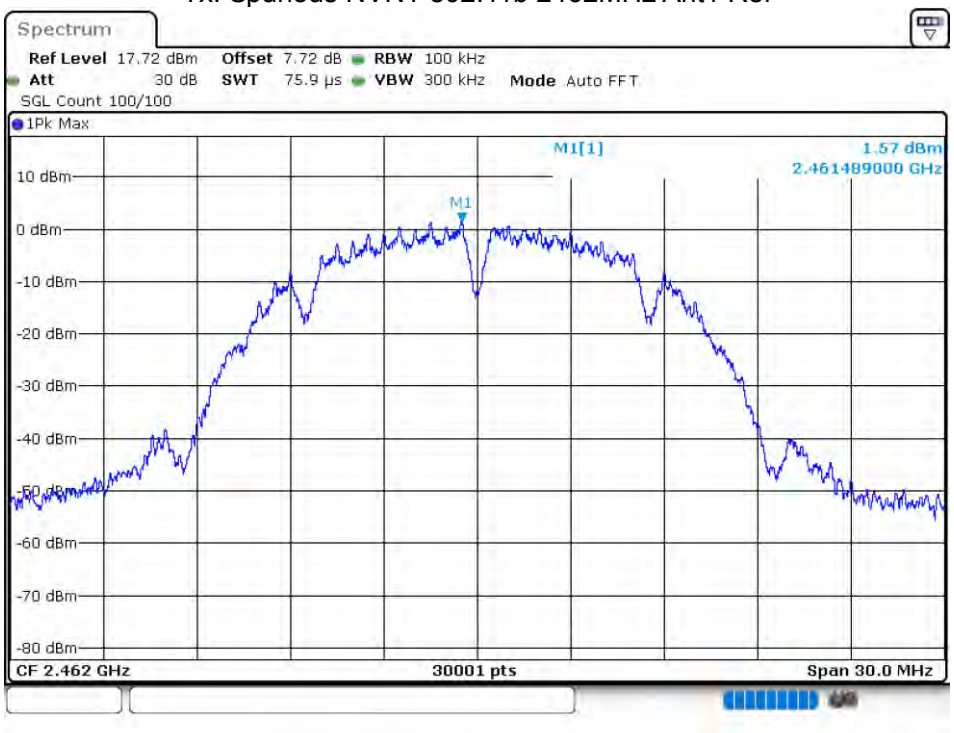
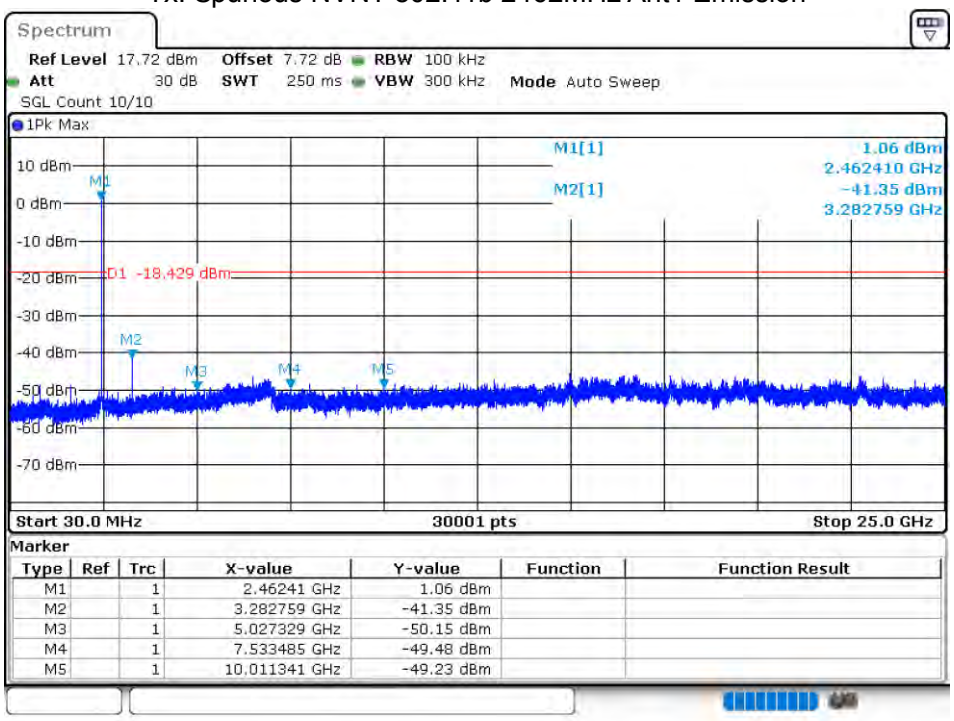


Tx. Spurious NVNT 802.11b 2462MHz Ant1 Ref



Tx. Spurious NVNT 802.11b 2462MHz Ant1 Emission



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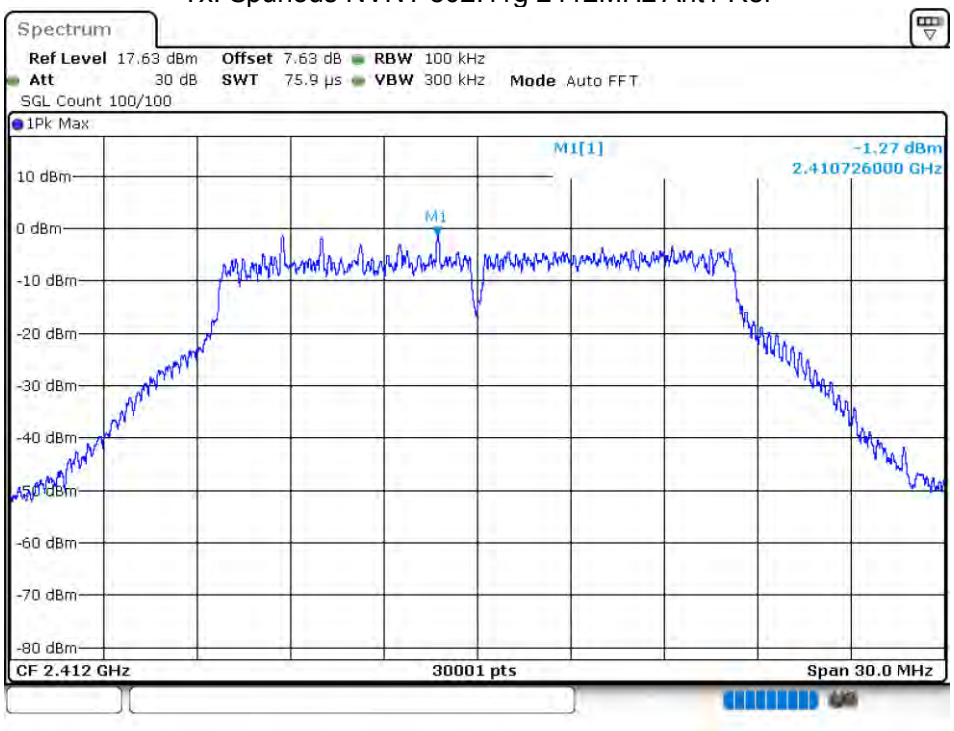
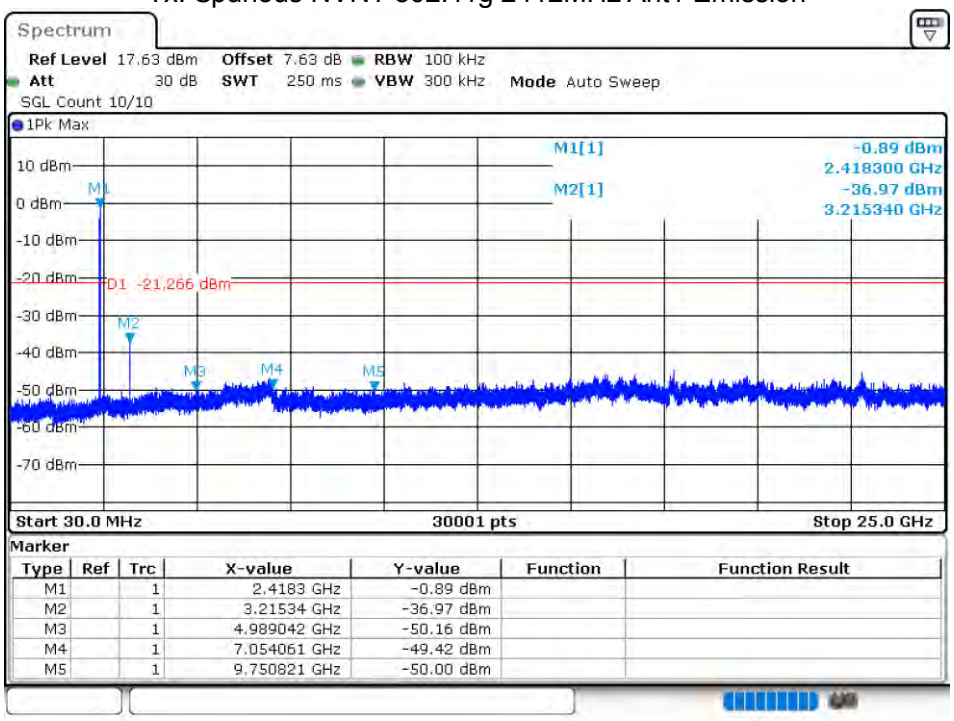
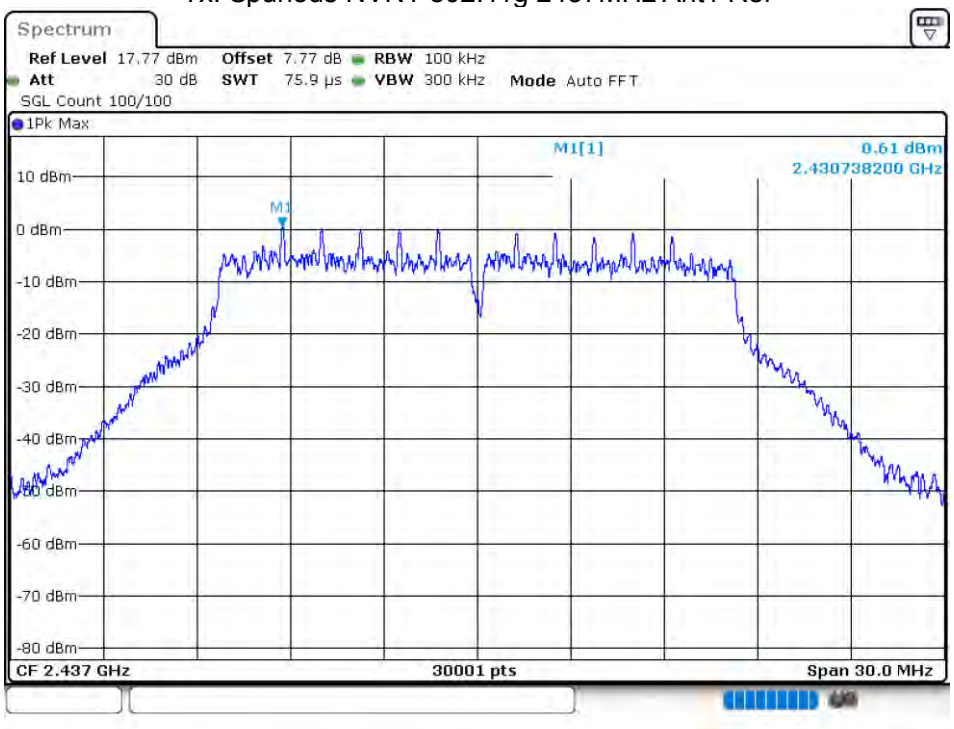


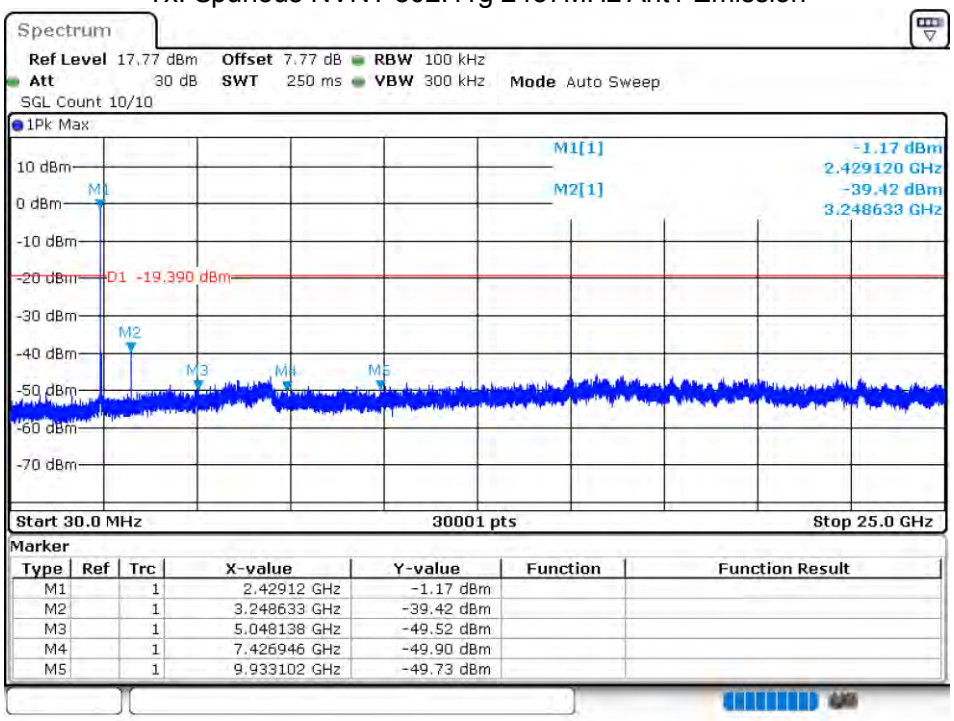
Tx. Spurious NVNT 802.11g 2412MHz Ant1 Emission



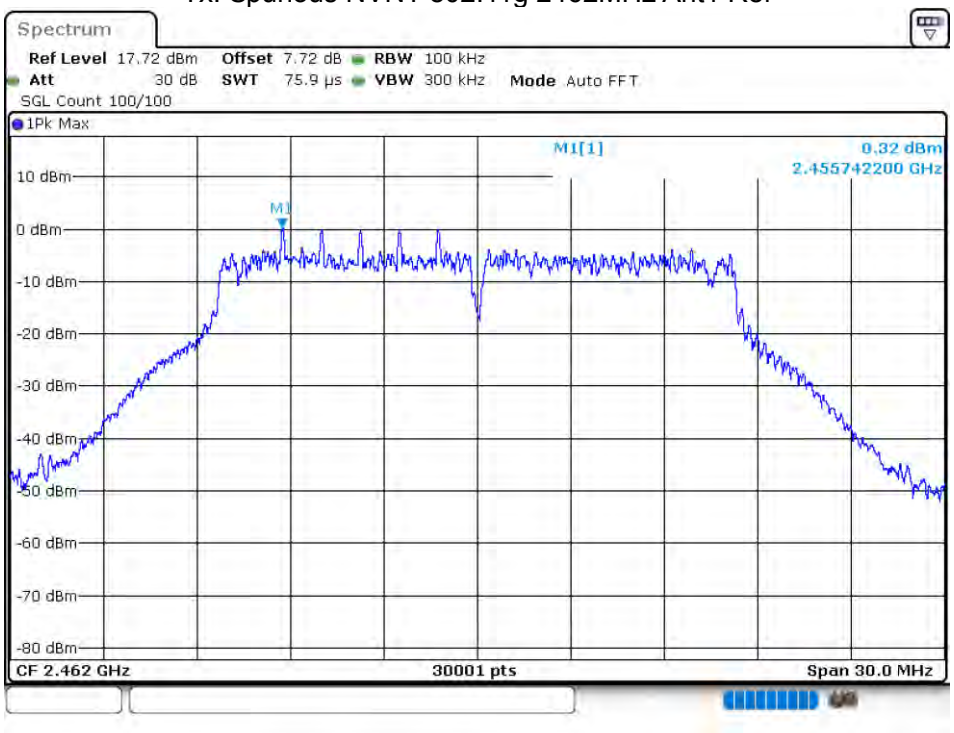
Tx. Spurious NVNT 802.11g 2437MHz Ant1 Ref



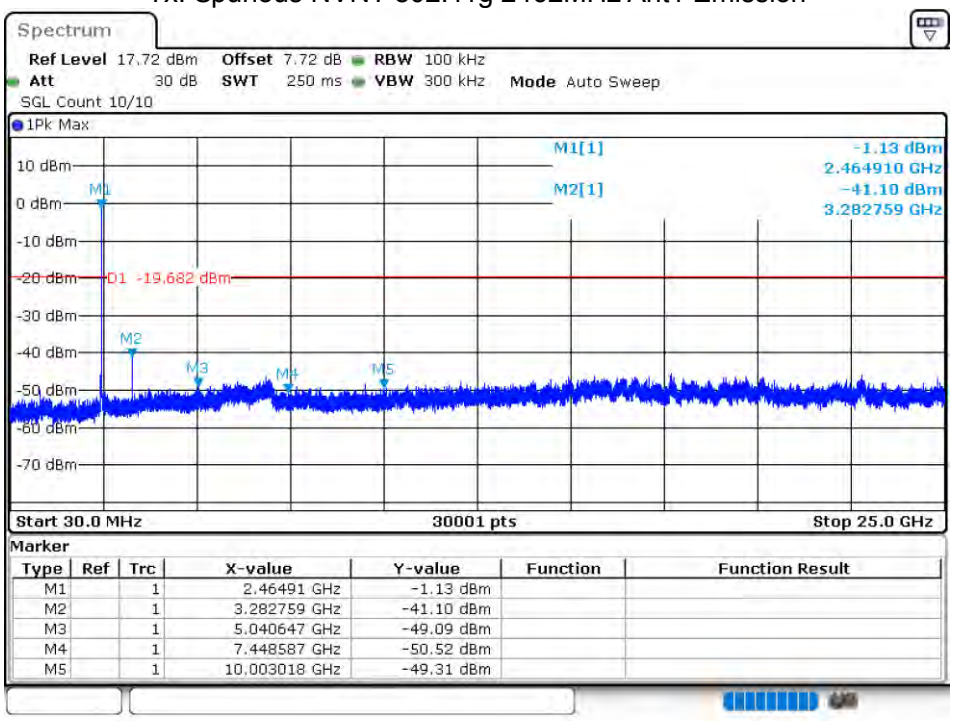
Tx. Spurious NVNT 802.11g 2437MHz Ant1 Emission



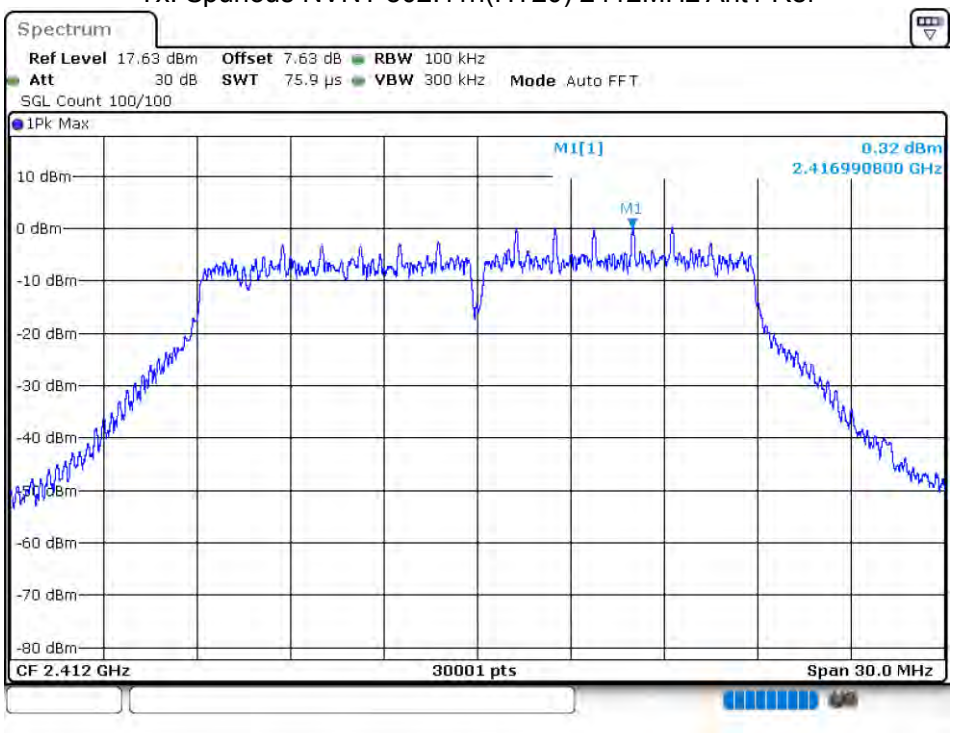
Tx. Spurious NVNT 802.11g 2462MHz Ant1 Ref



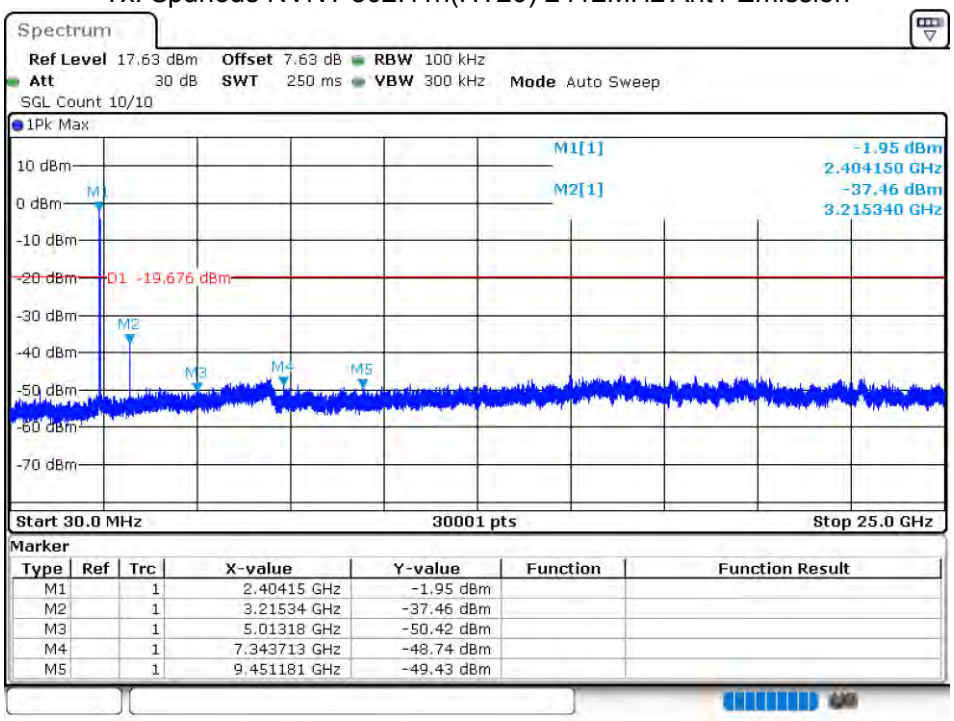
Tx. Spurious NVNT 802.11g 2462MHz Ant1 Emission



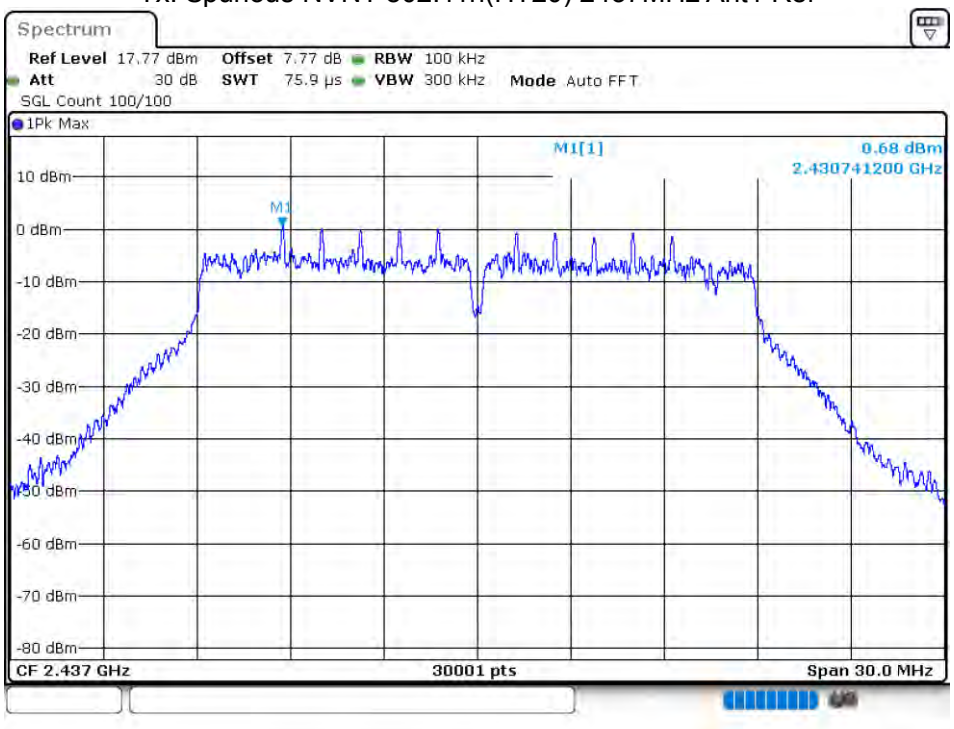
Tx. Spurious NVNT 802.11n(HT20) 2412MHz Ant1 Ref



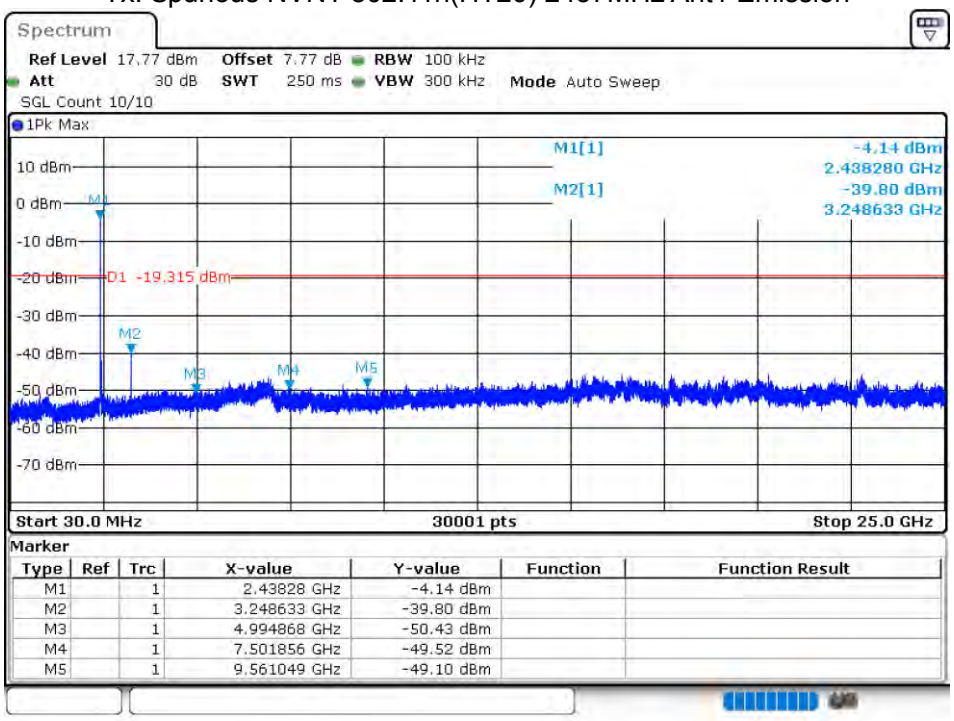
Tx. Spurious NVNT 802.11n(HT20) 2412MHz Ant1 Emission



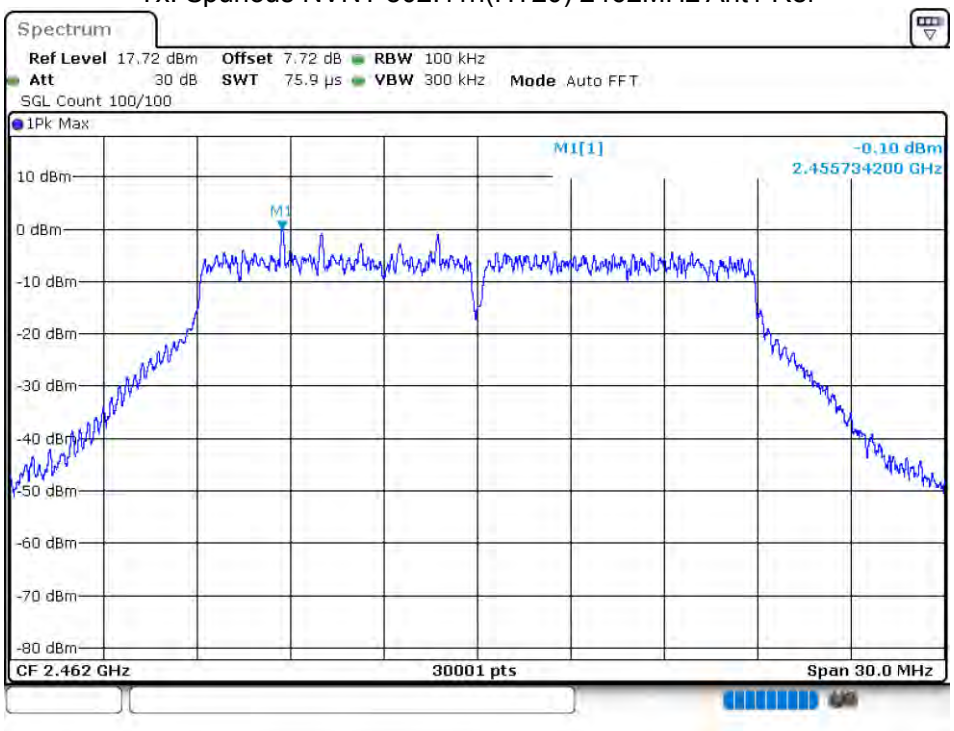
Tx. Spurious NVNT 802.11n(HT20) 2437MHz Ant1 Ref



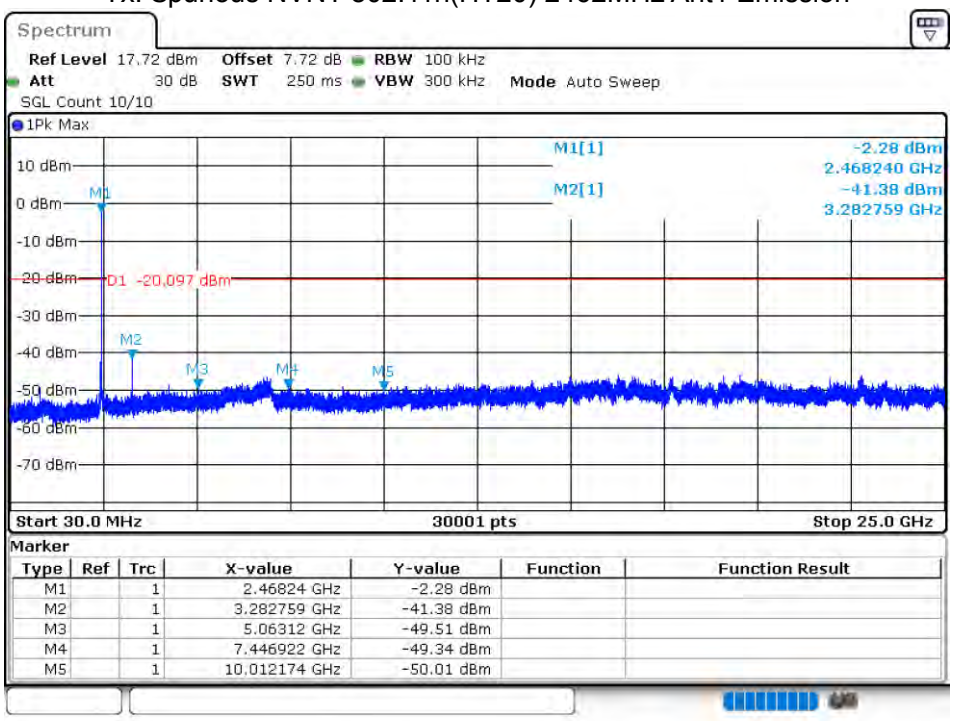
Tx. Spurious NVNT 802.11n(HT20) 2437MHz Ant1 Emission



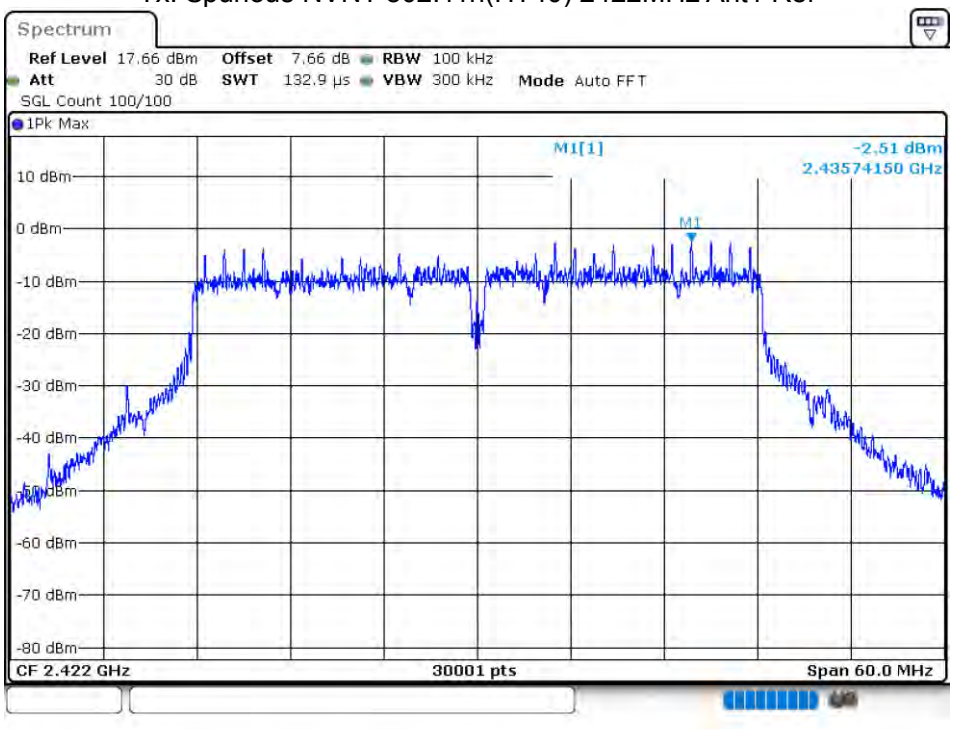
Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref



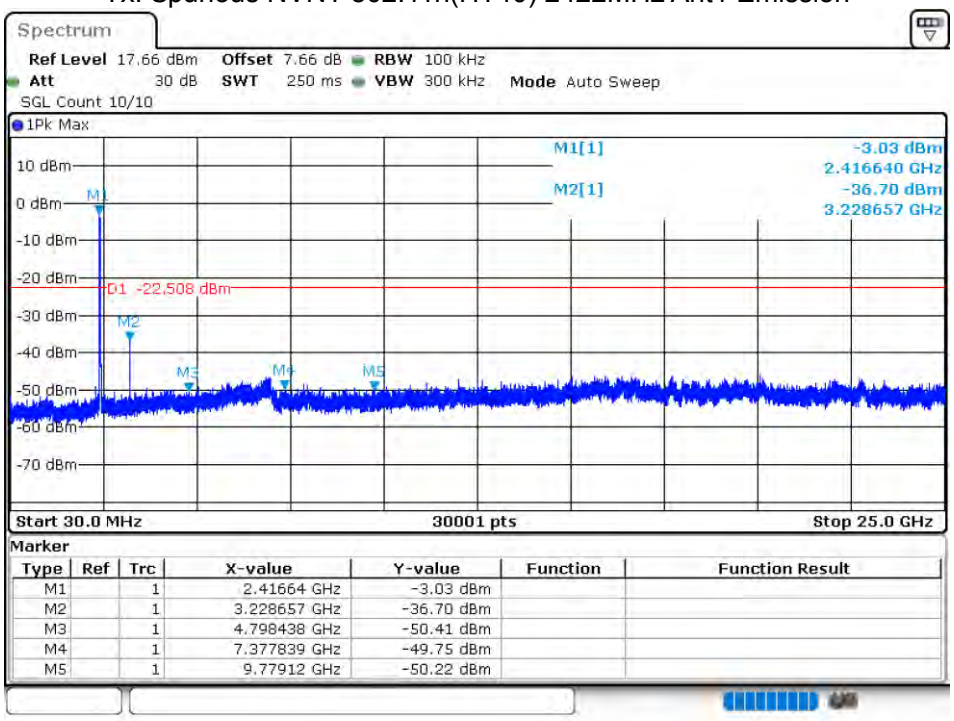
Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Emission



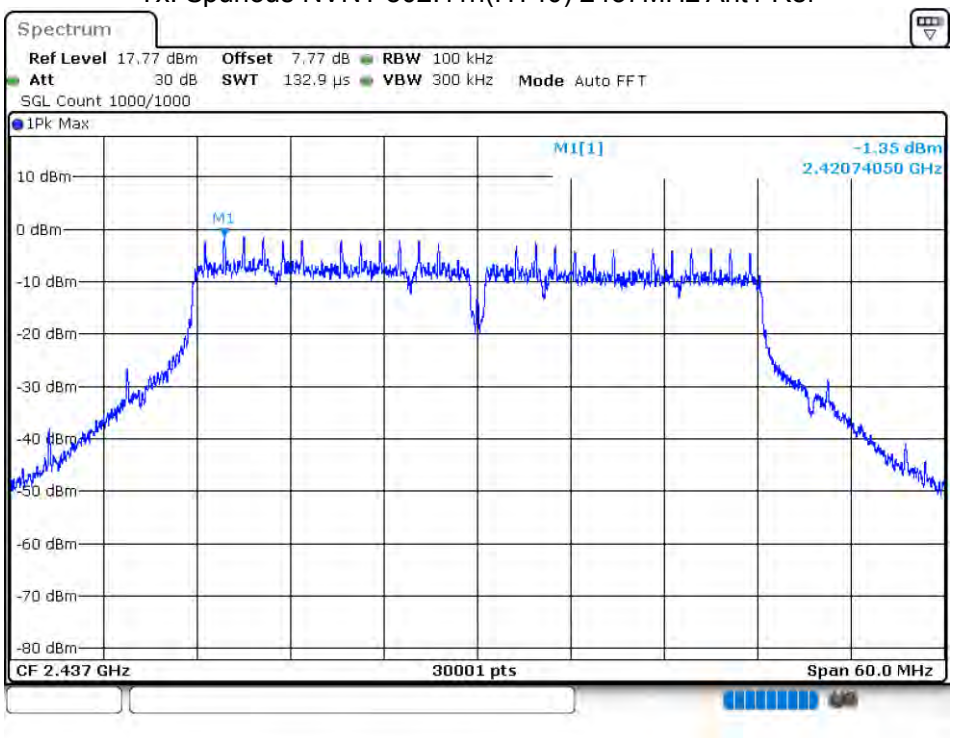
Tx. Spurious NVNT 802.11n(HT40) 2422MHz Ant1 Ref



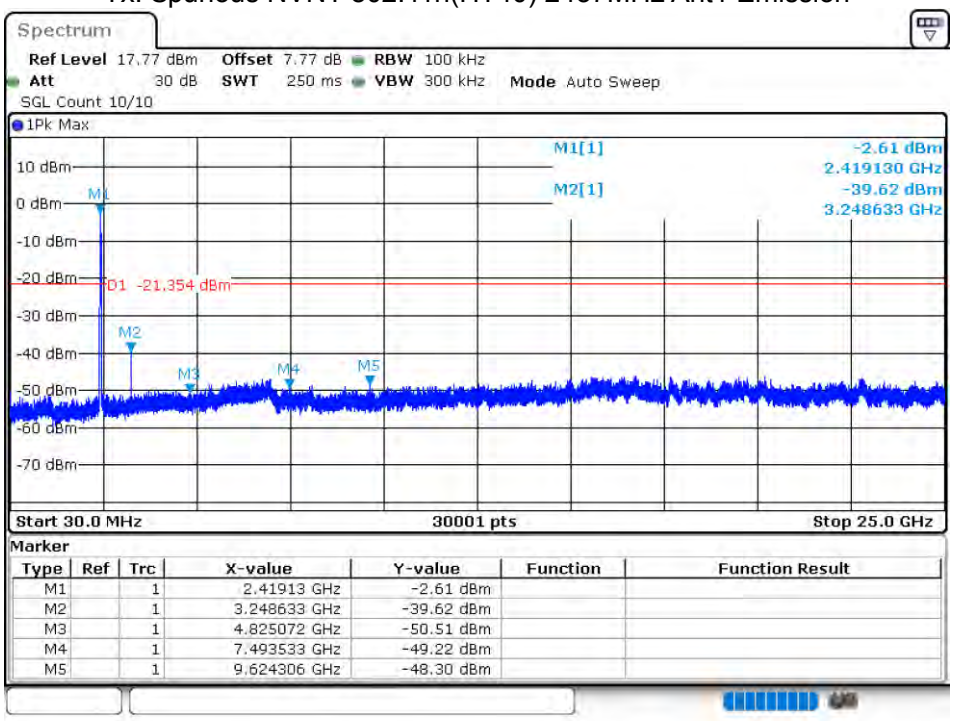
Tx. Spurious NVNT 802.11n(HT40) 2422MHz Ant1 Emission



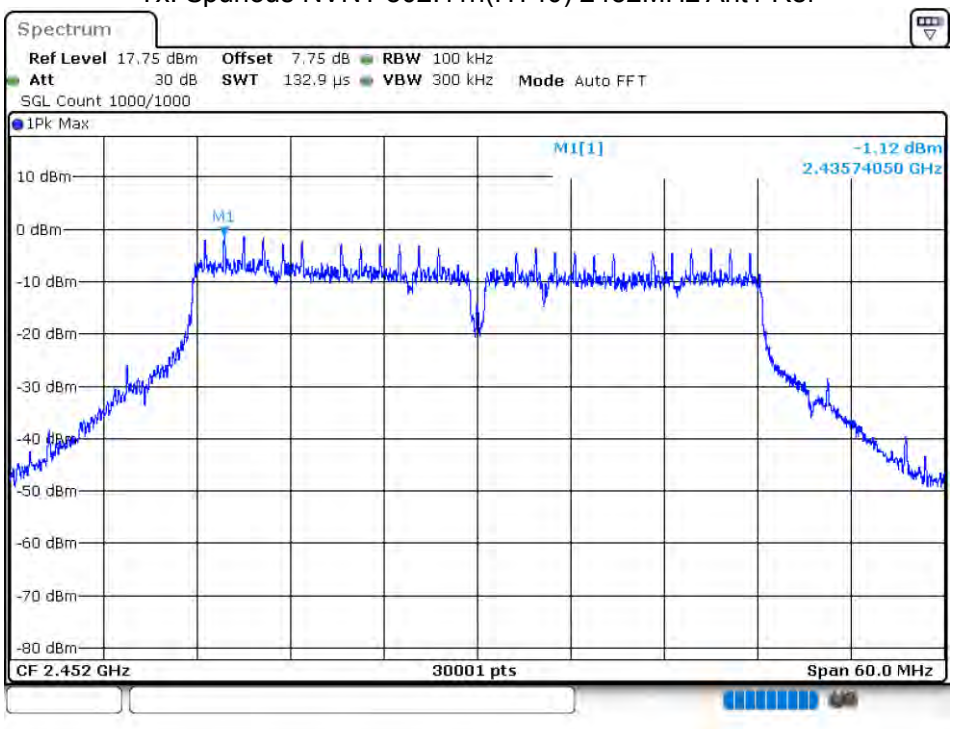
Tx. Spurious NVNT 802.11n(HT40) 2437MHz Ant1 Ref



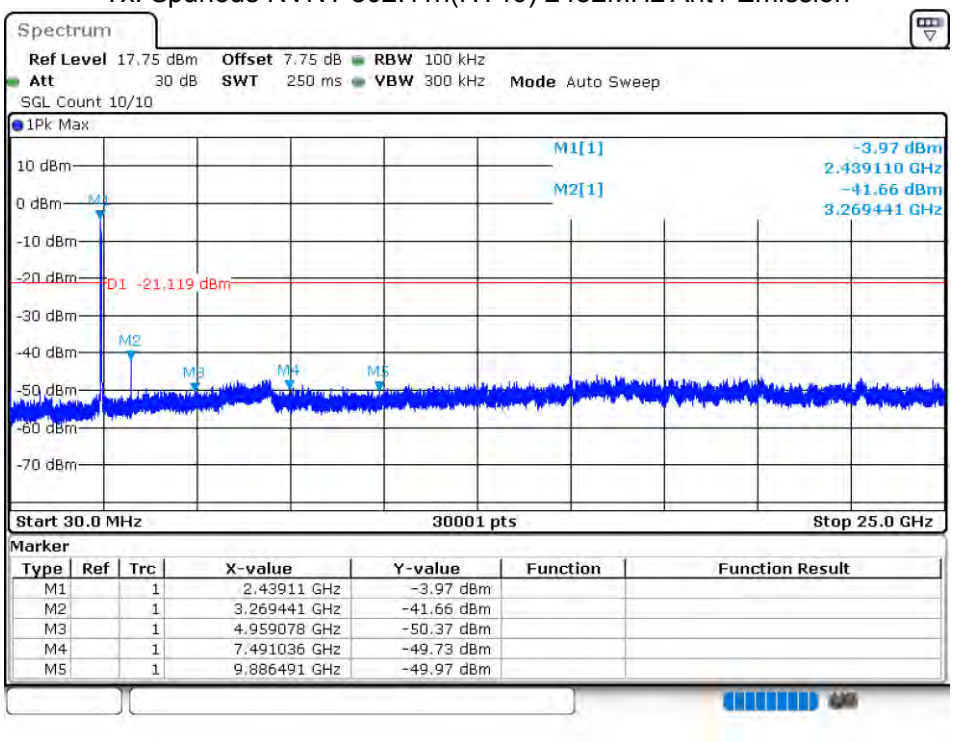
Tx. Spurious NVNT 802.11n(HT40) 2437MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant1 Ref



Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant1 Emission



END OF REPORT