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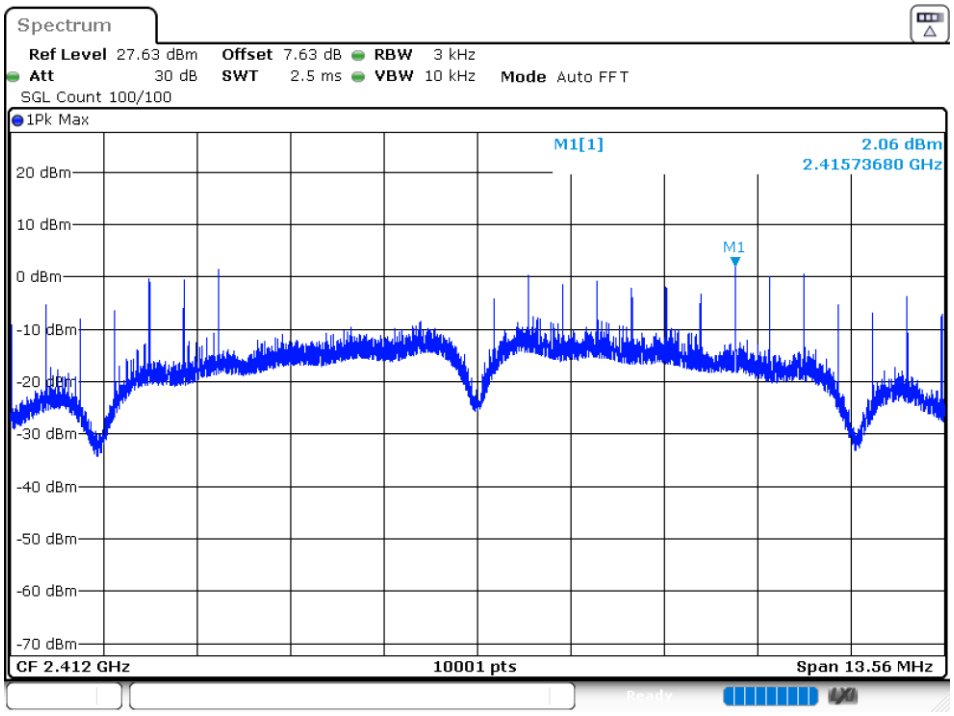
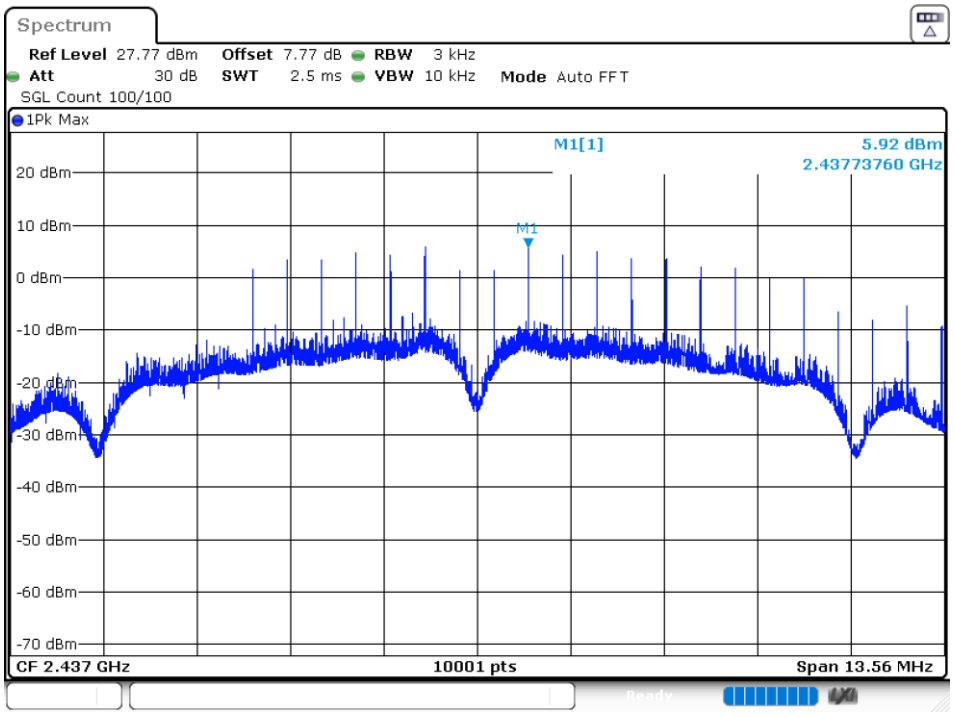
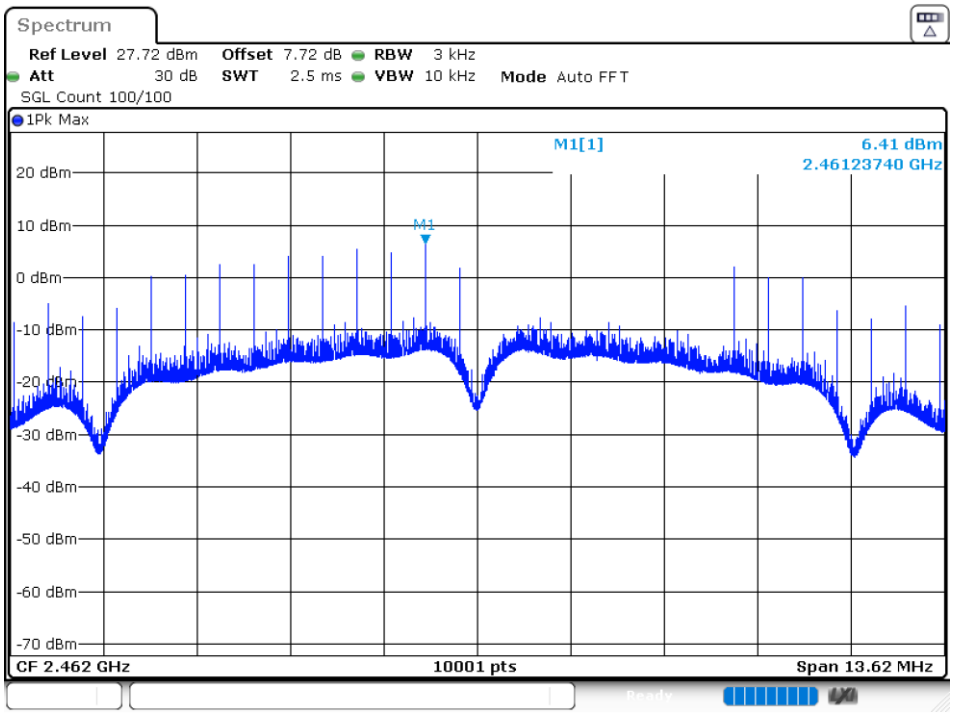


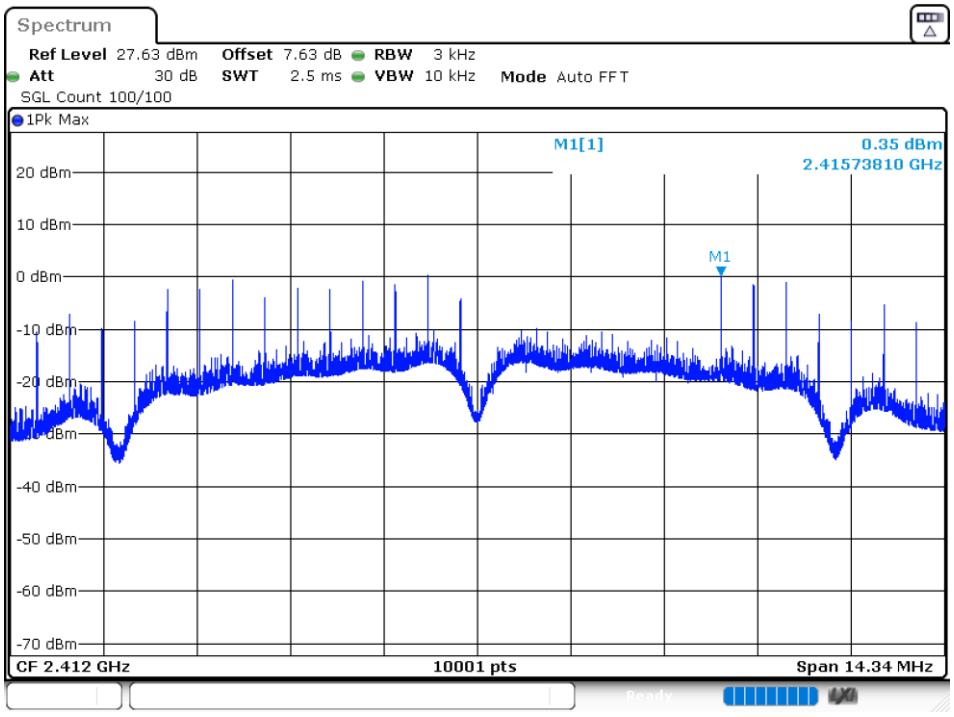
PSD NVNT 802.11b 2437MHz Ant 1



PSD NVNT 802.11b 2462MHz Ant 1



PSD NVNT 802.11b 2412MHz Ant 2



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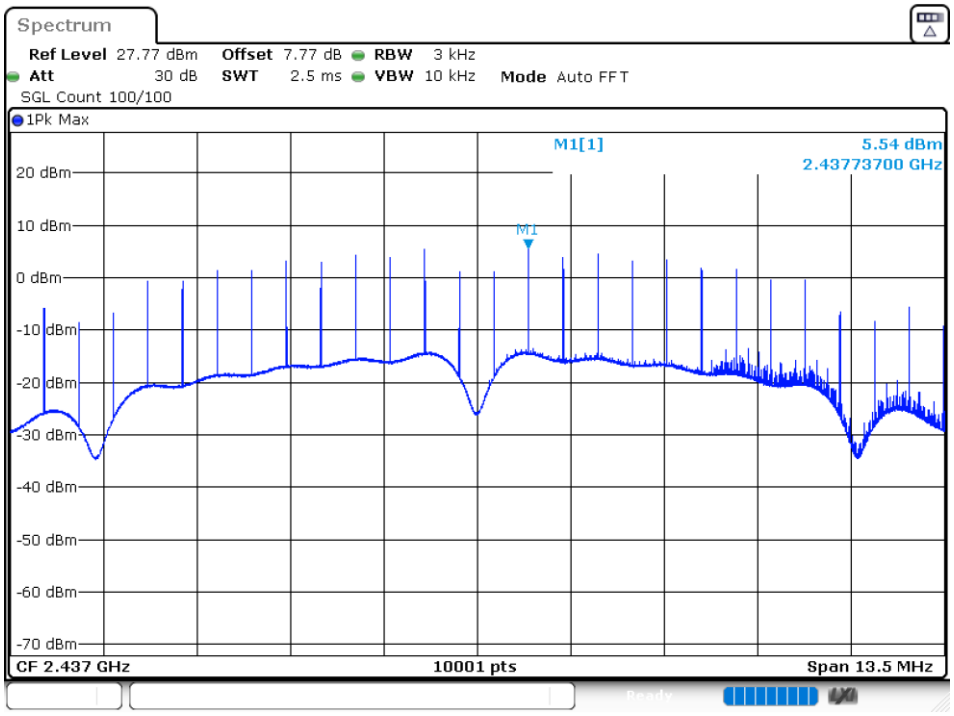

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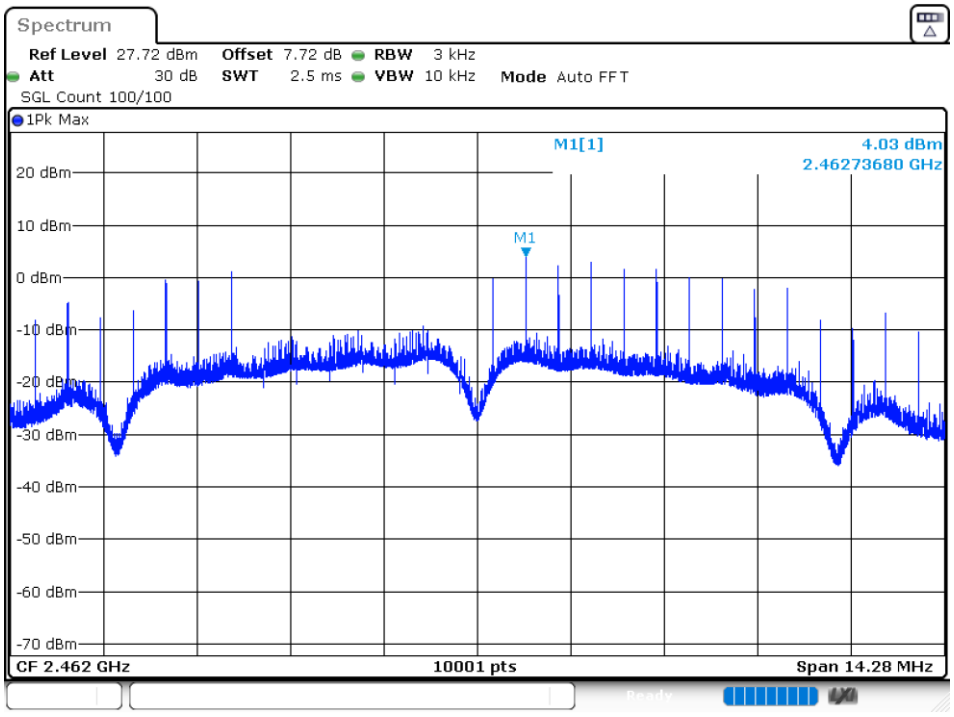
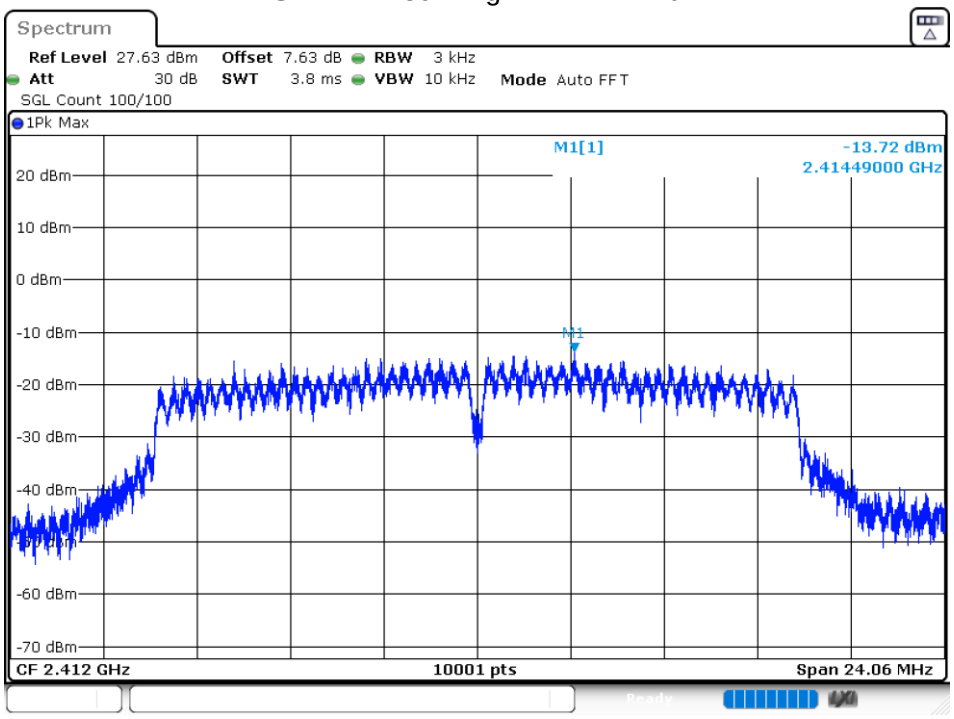


PSD NVNT 802.11g 2412MHz Ant 1



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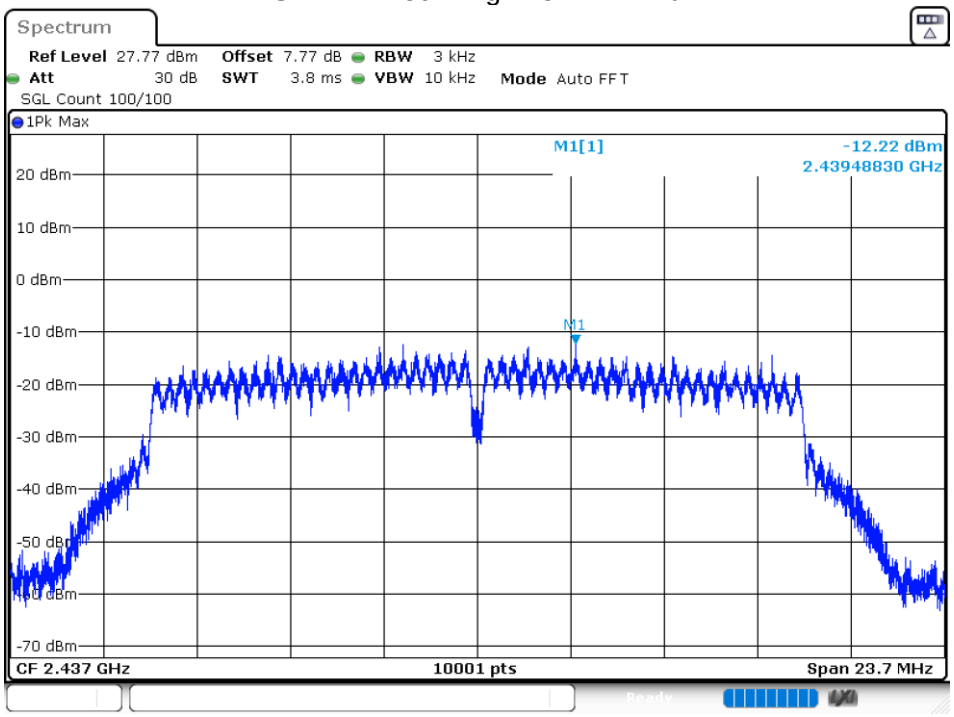
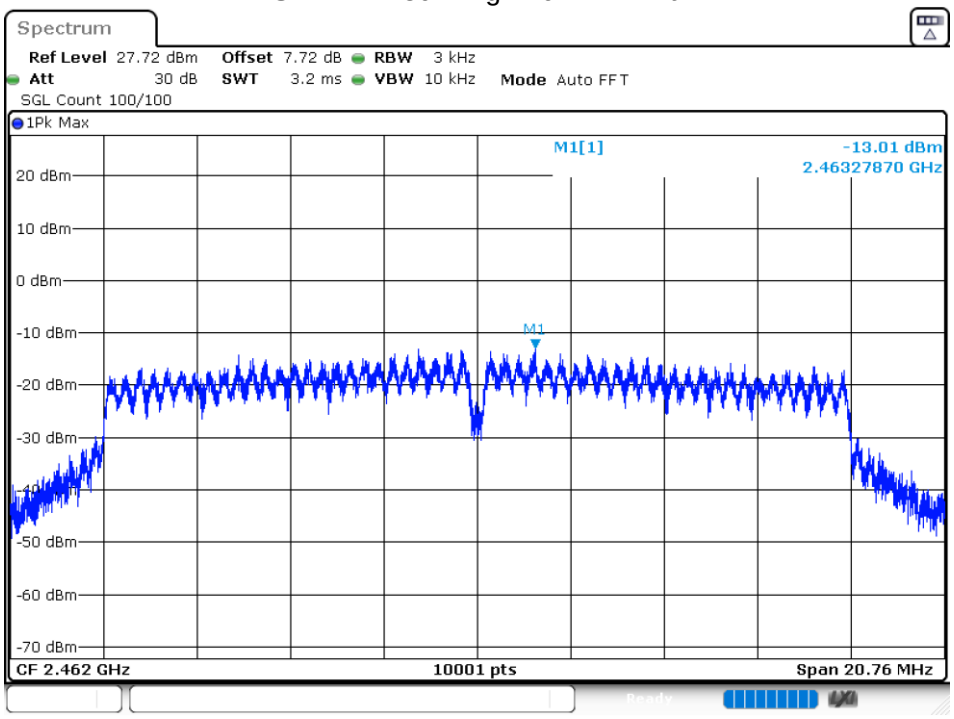


PSD NVNT 802.11g 2462MHz Ant 1



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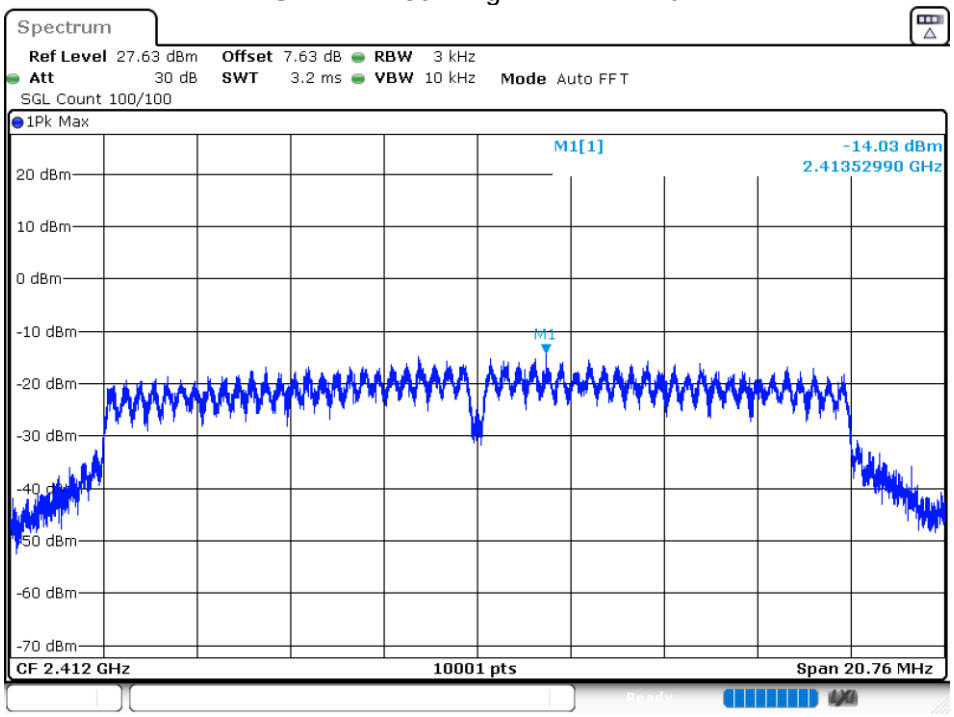

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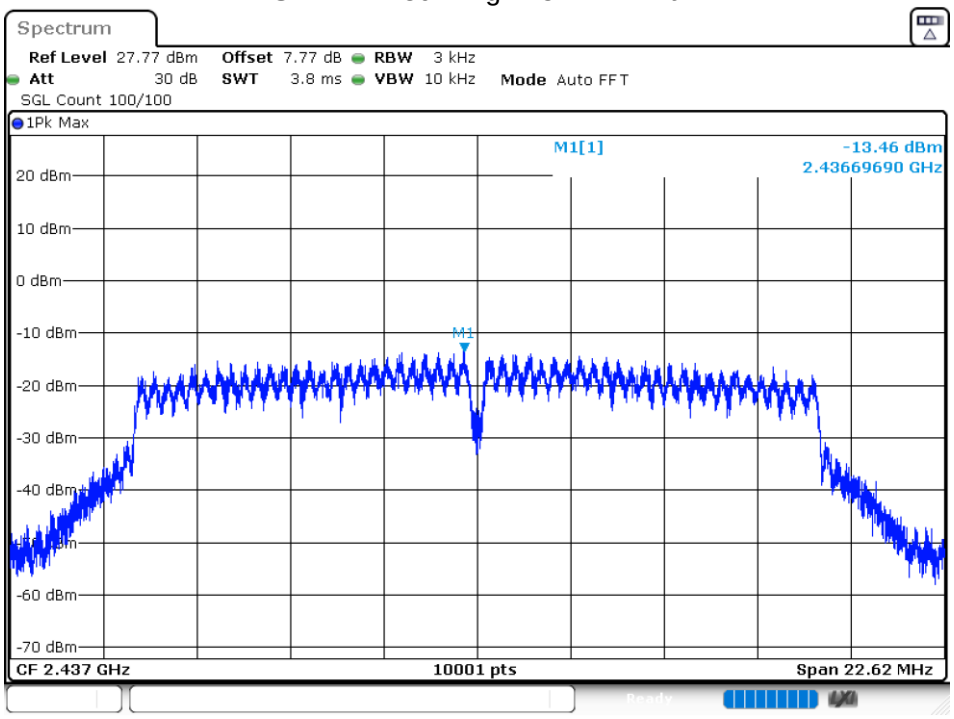
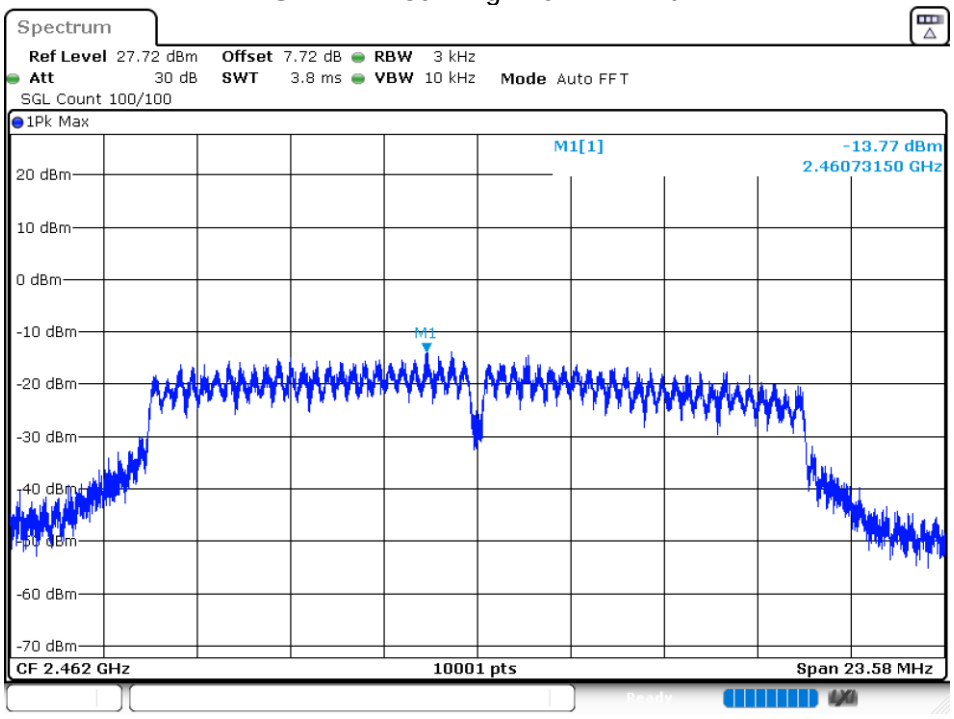
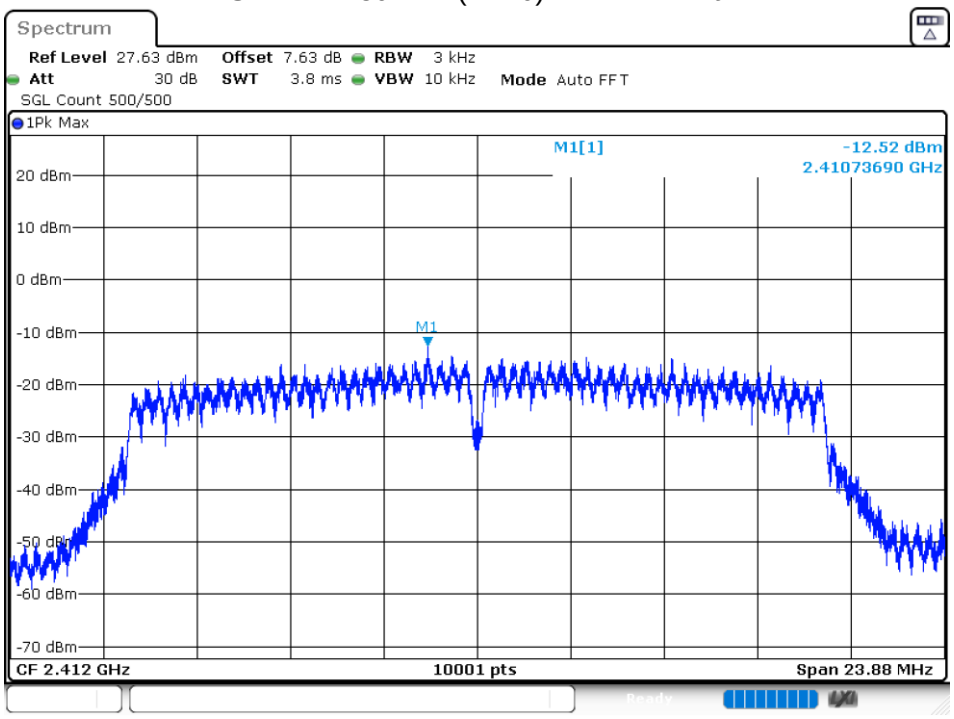


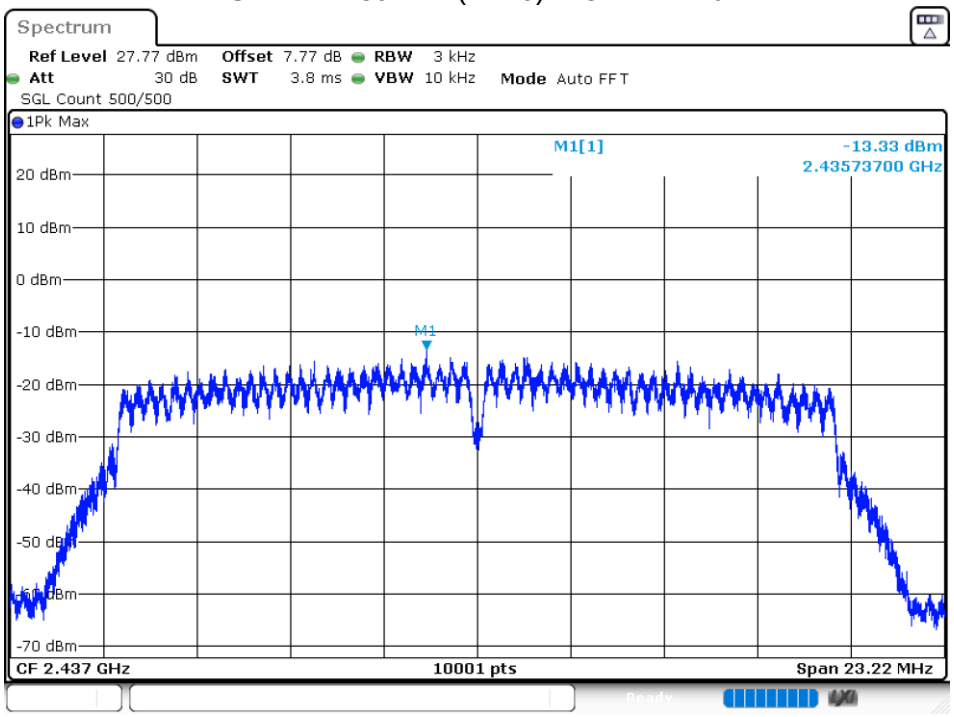
PSD NVNT 802.11g 2462MHz Ant 2



PSD NVNT 802.11n(HT20) 2412MHz Ant 1



PSD NVNT 802.11n(HT20) 2437MHz Ant 1



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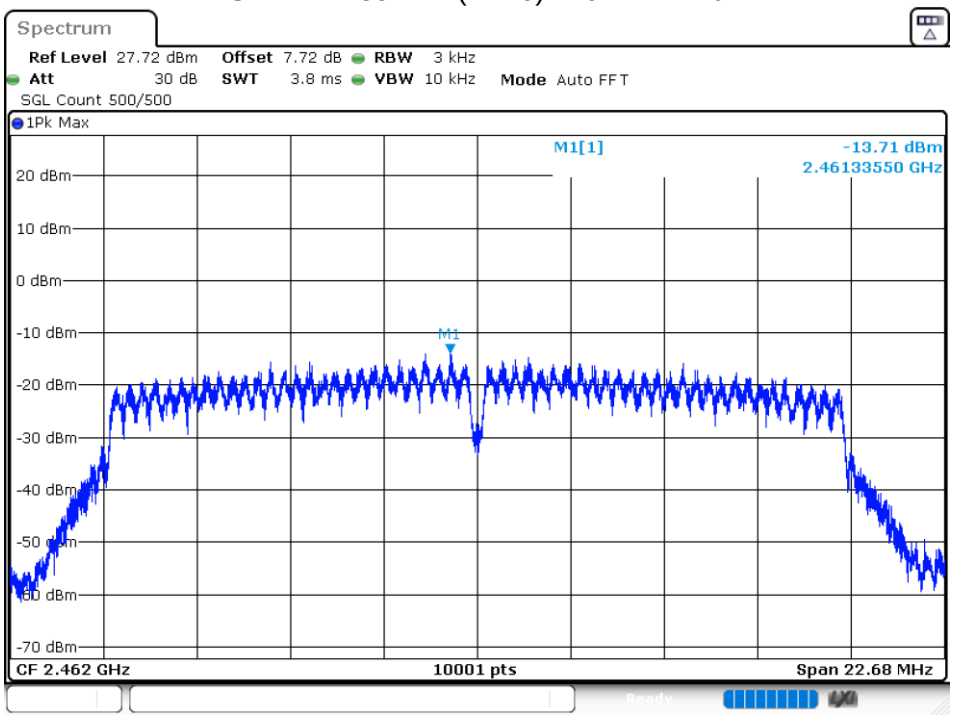

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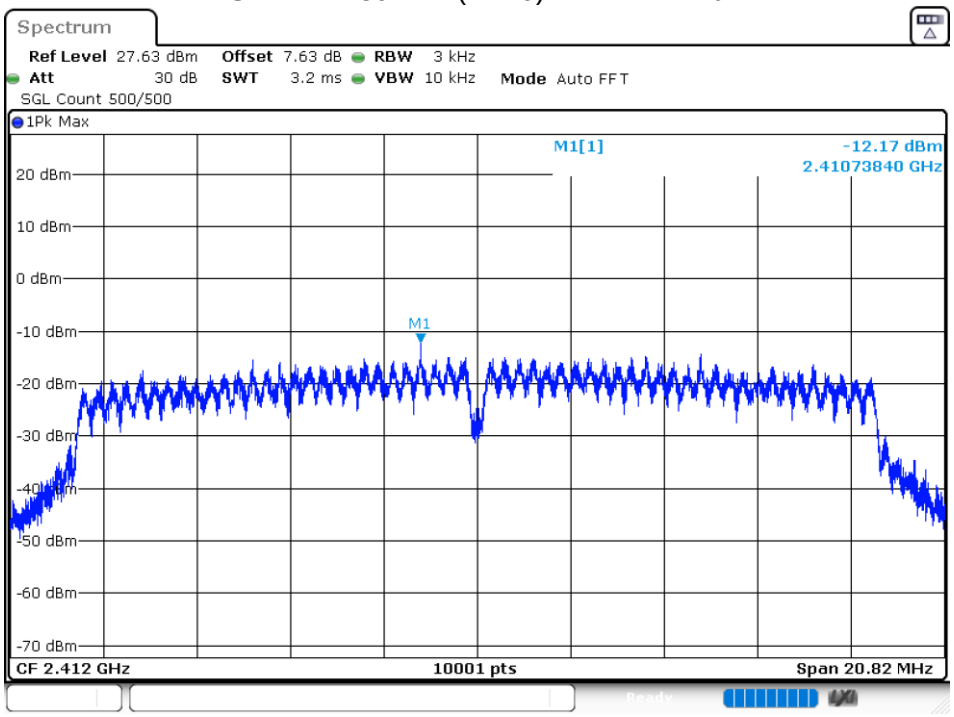
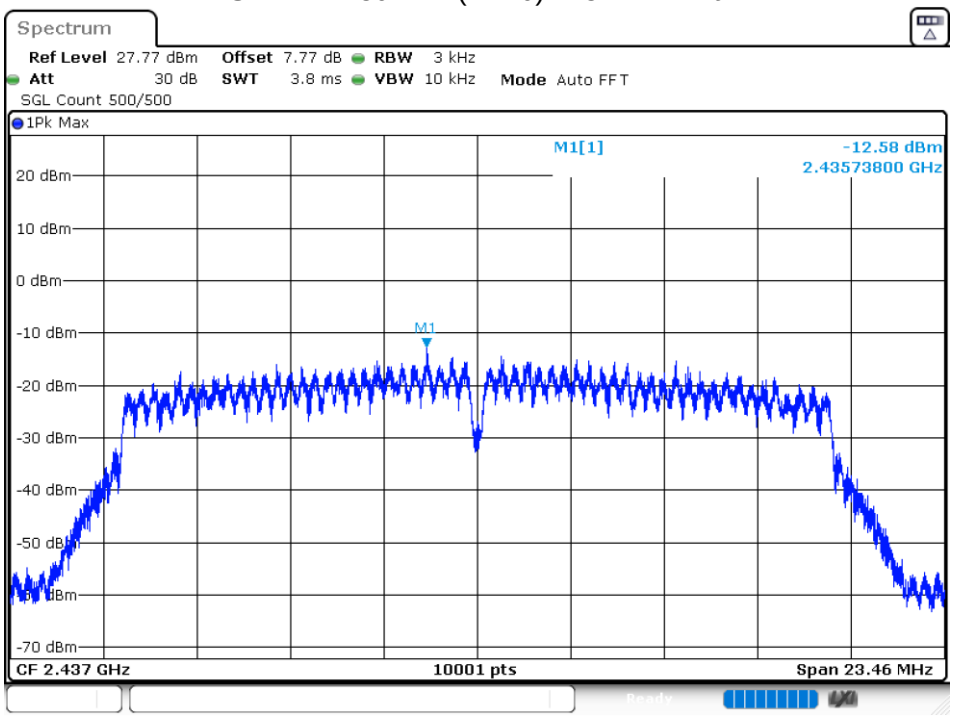
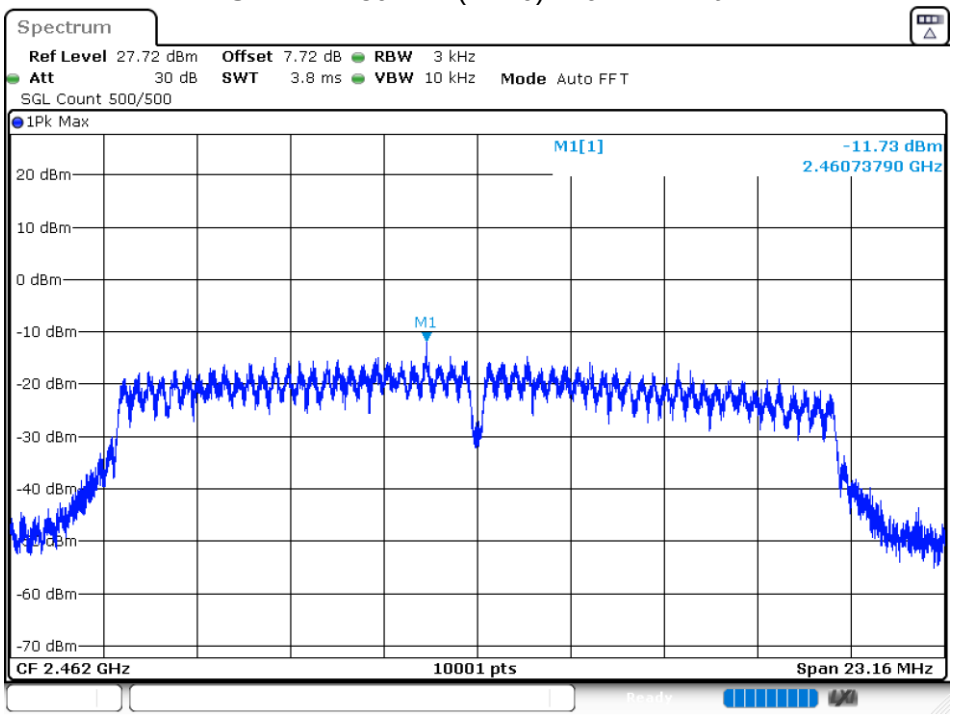


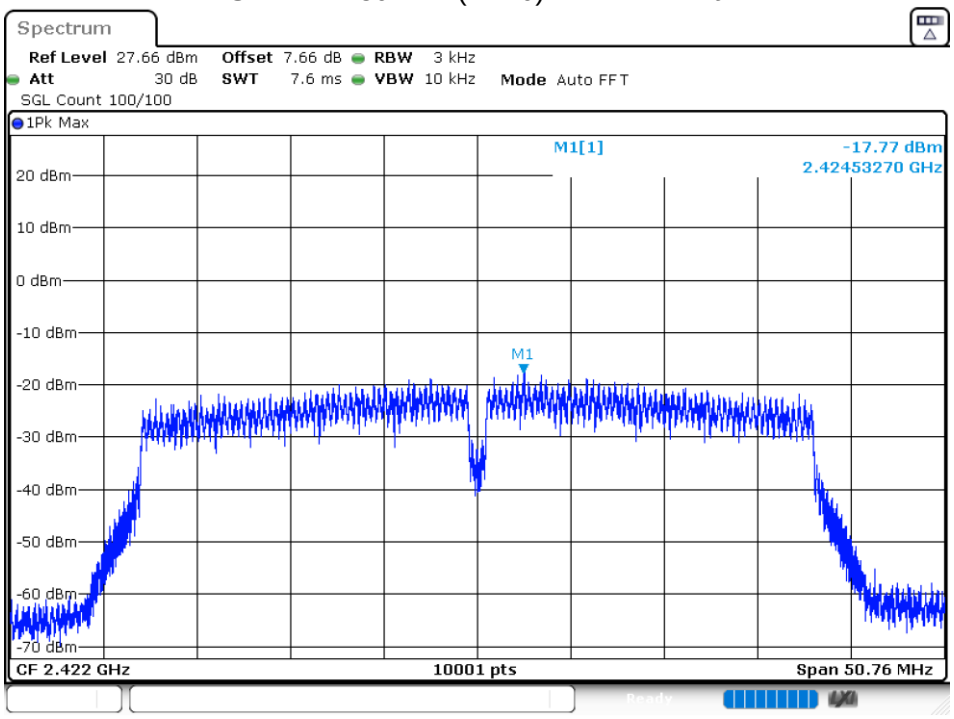
PSD NVNT 802.11n(HT20) 2437MHz Ant 2



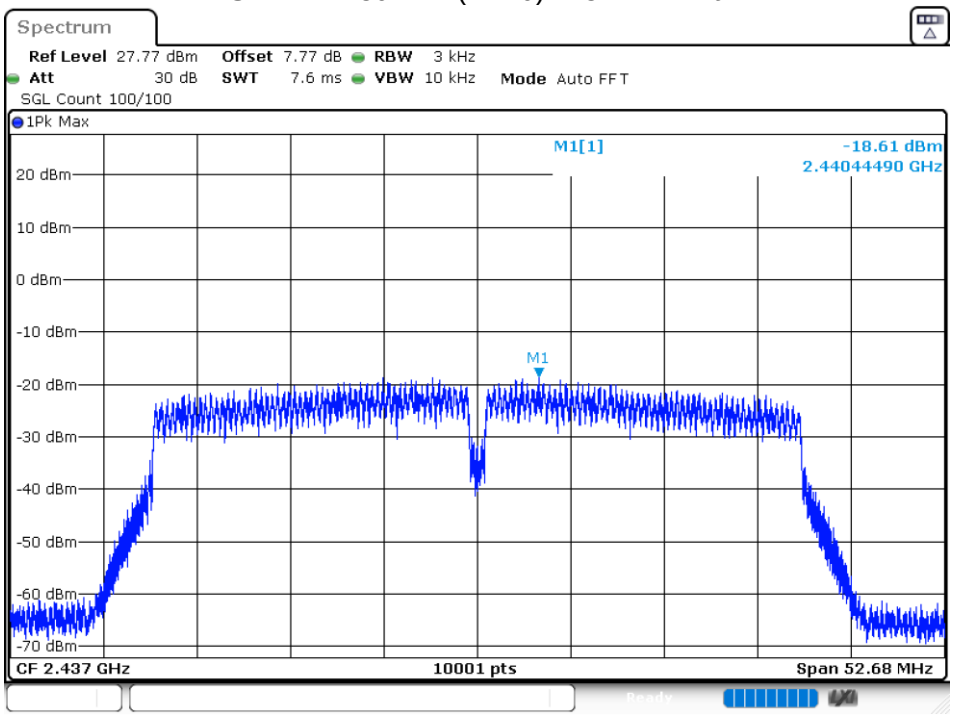
PSD NVNT 802.11n(HT20) 2462MHz Ant 2



PSD NVNT 802.11n(HT40) 2422MHz Ant 1



PSD NVNT 802.11n(HT40) 2437MHz Ant 1



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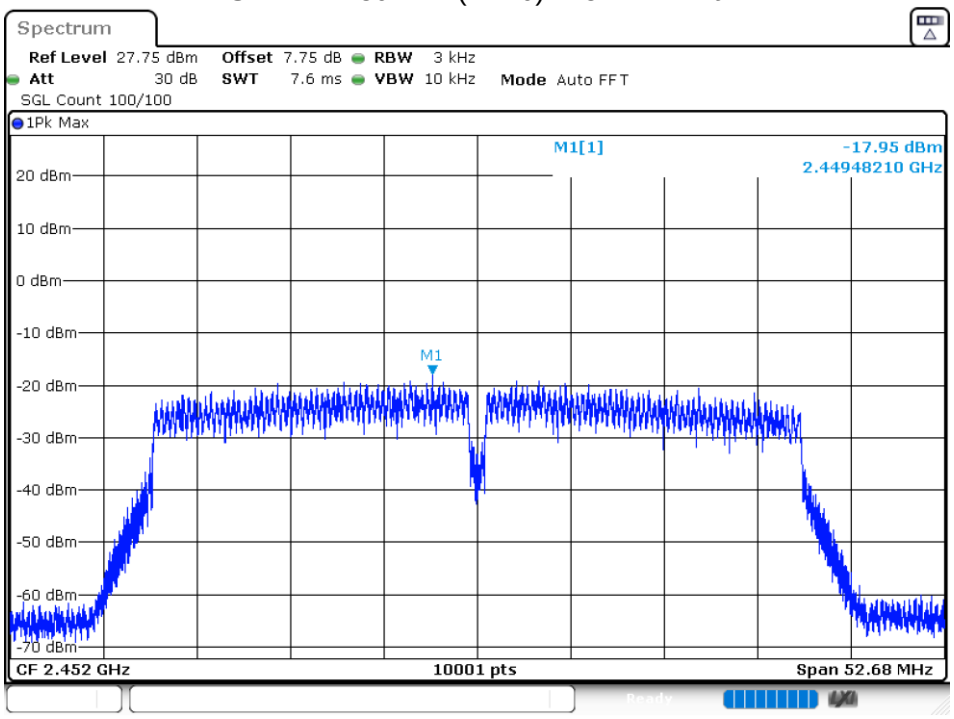
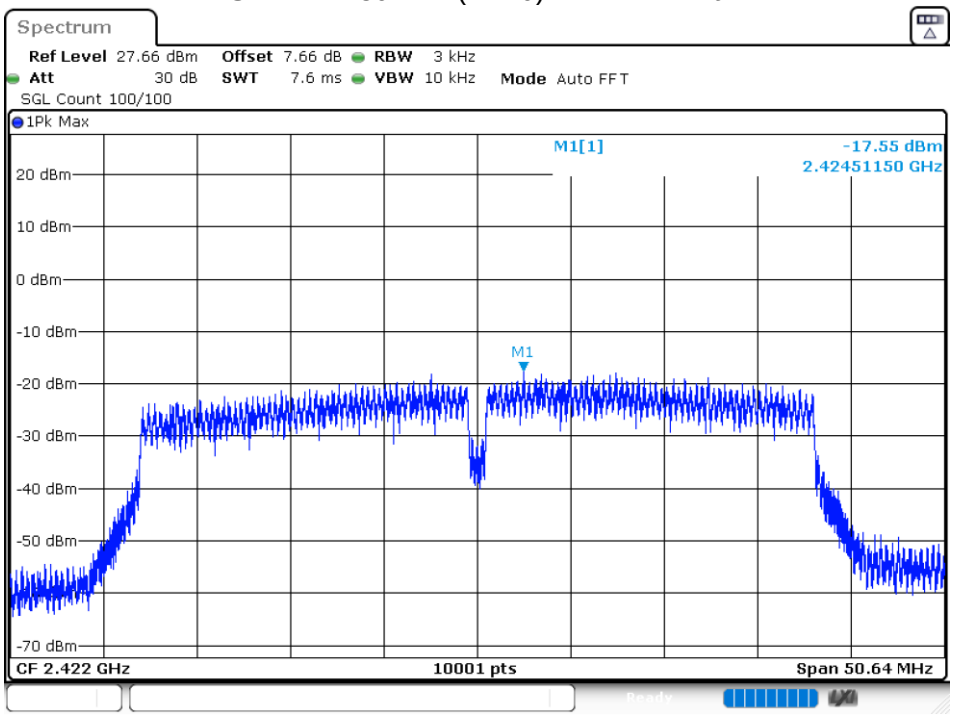
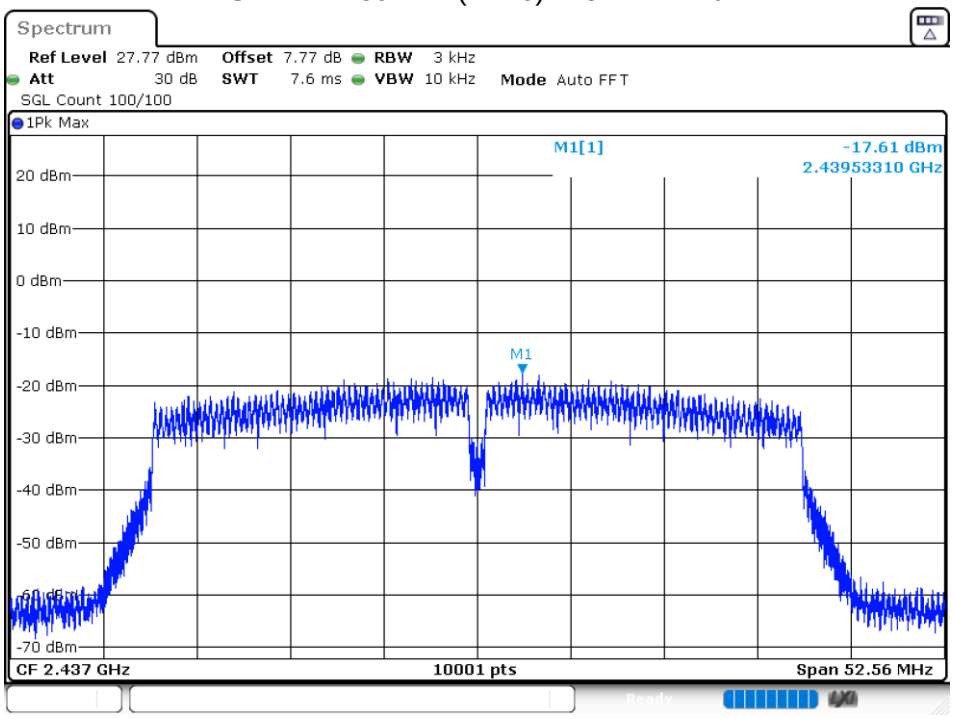


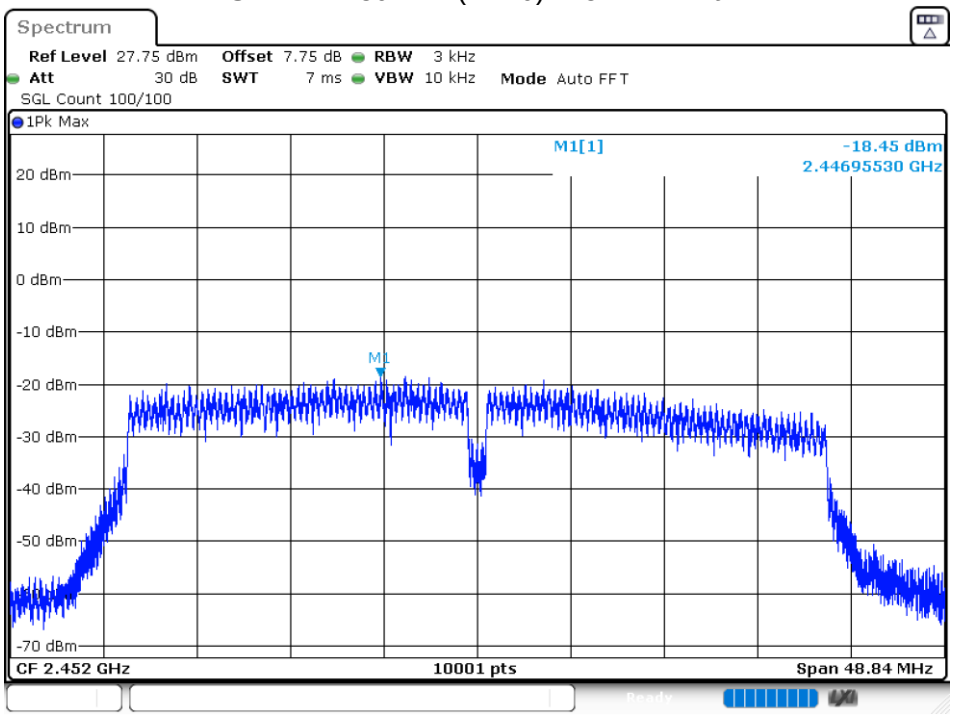
PSD NVNT 802.11n(HT40) 2422MHz Ant 2



PSD NVNT 802.11n(HT40) 2437MHz Ant 2



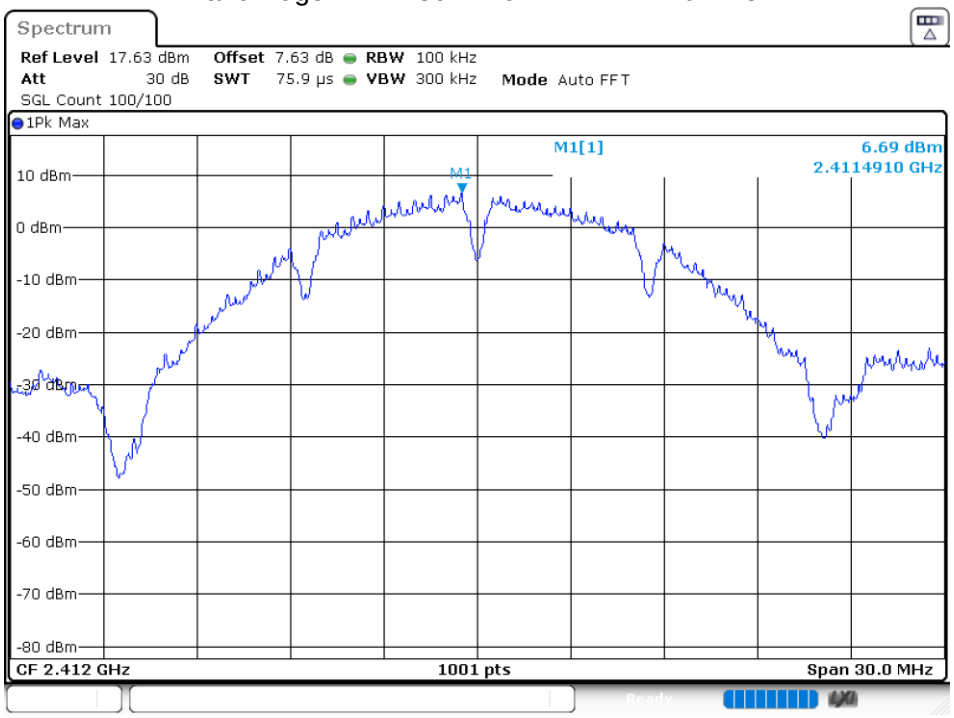
PSD NVNT 802.11n(HT40) 2452MHz Ant 2



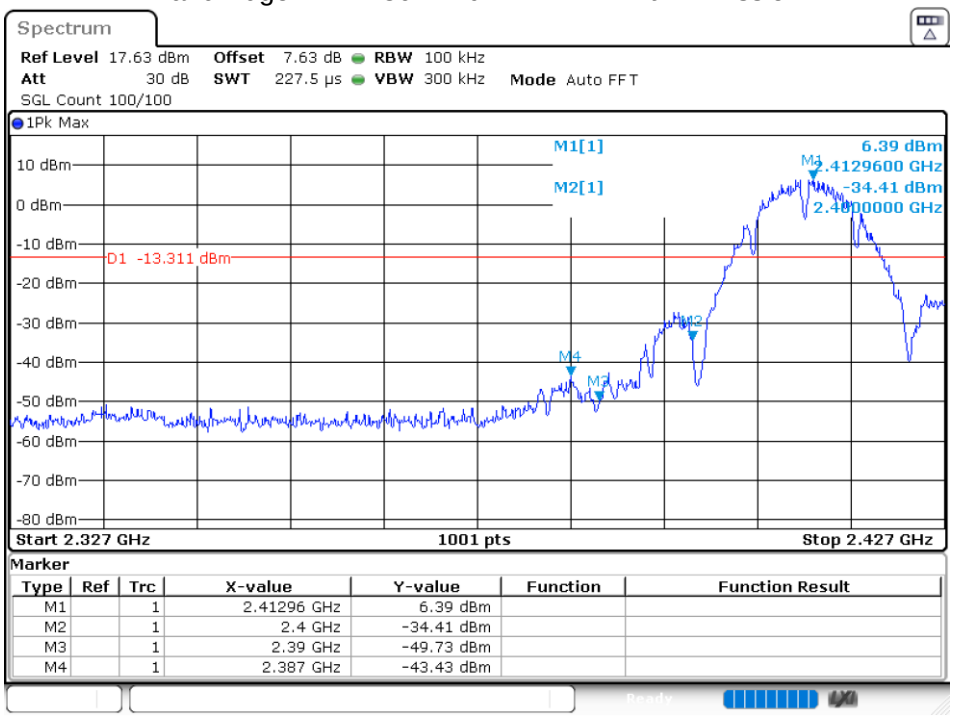
8.4 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-50.12	-20	Pass
NVNT	802.11b	2462	Ant 1	-58.67	-20	Pass
NVNT	802.11b	2412	Ant 2	-52.99	-20	Pass
NVNT	802.11b	2462	Ant 2	-54.74	-20	Pass
NVNT	802.11g	2412	Ant 1	-39.74	-20	Pass
NVNT	802.11g	2462	Ant 1	-43.06	-20	Pass
NVNT	802.11g	2412	Ant 2	-46.52	-20	Pass
NVNT	802.11g	2462	Ant 2	-47.04	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-45.6	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-48.03	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 2	-42.7	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 2	-45.12	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 1	-40.02	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 1	-37.33	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 2	-36.14	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 2	-43.65	-20	Pass

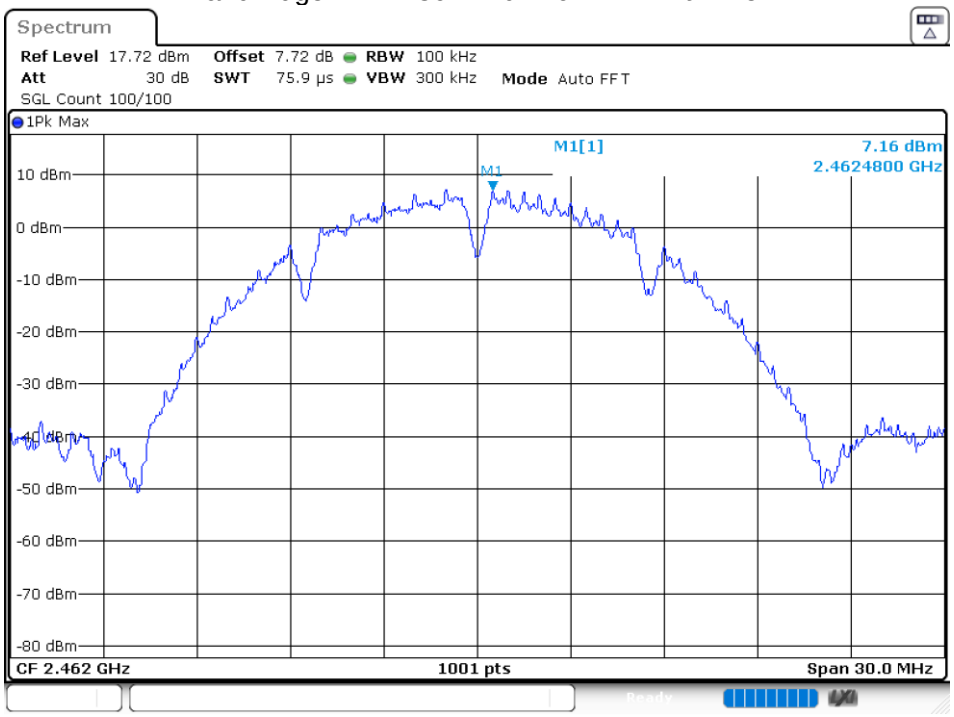
Band Edge NVNT 802.11b 2412MHz Ant 1 Ref



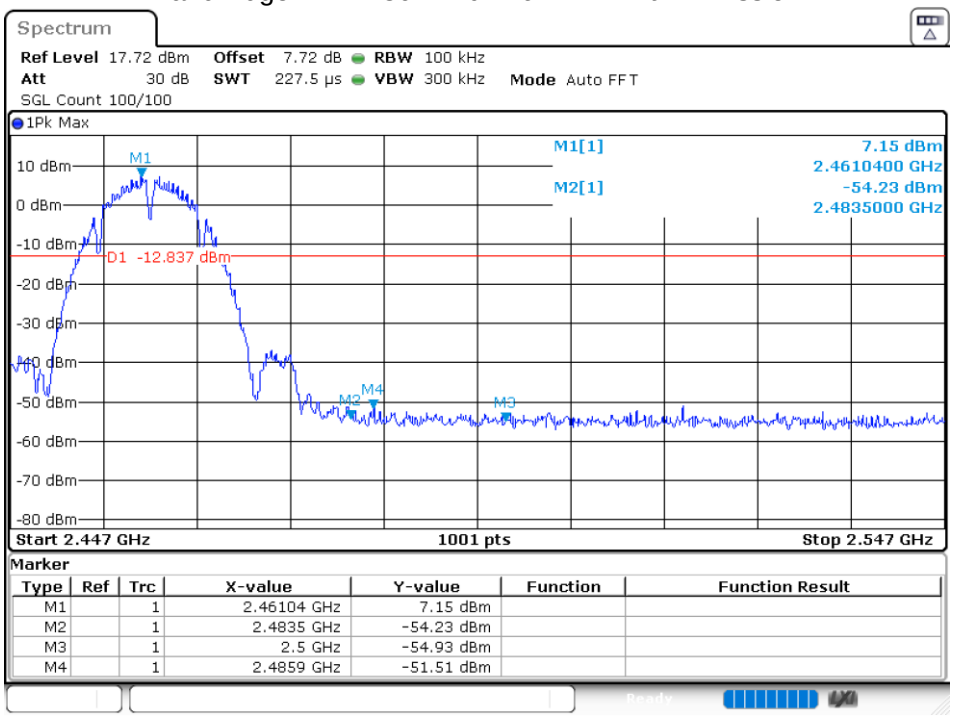
Band Edge NVNT 802.11b 2412MHz Ant 1 Emission



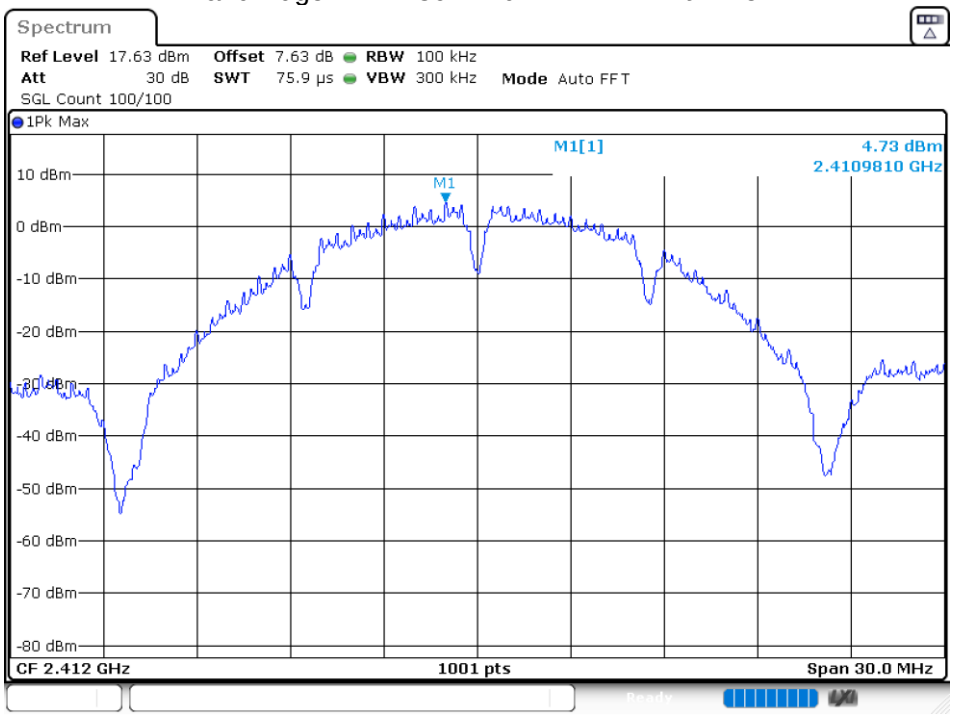
Band Edge NVNT 802.11b 2462MHz Ant 1 Ref



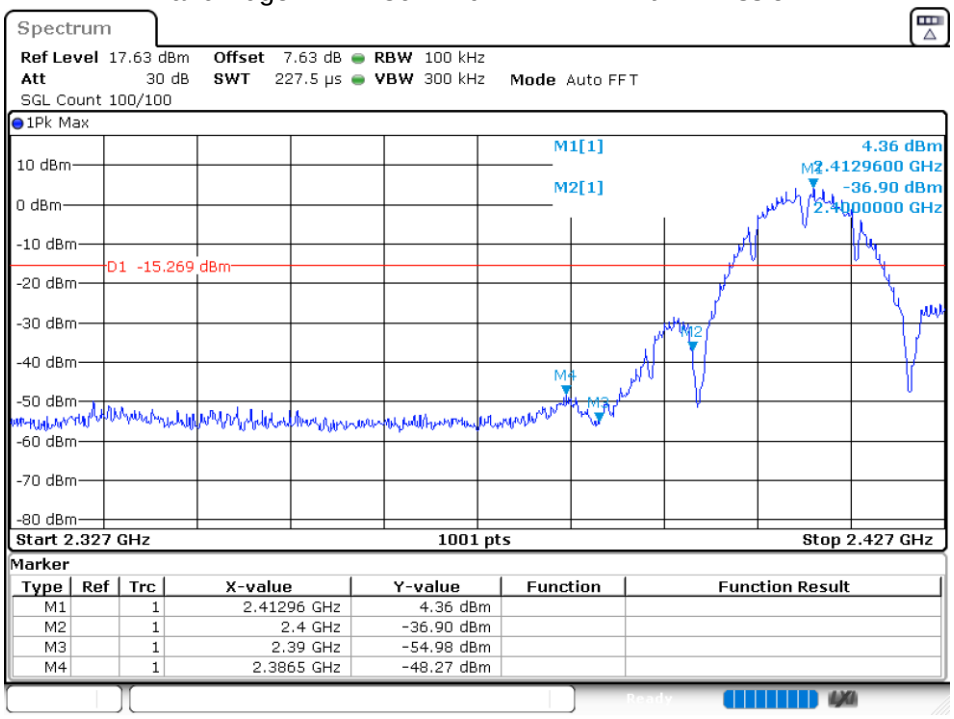
Band Edge NVNT 802.11b 2462MHz Ant 1 Emission



Band Edge NVNT 802.11b 2412MHz Ant 2 Ref



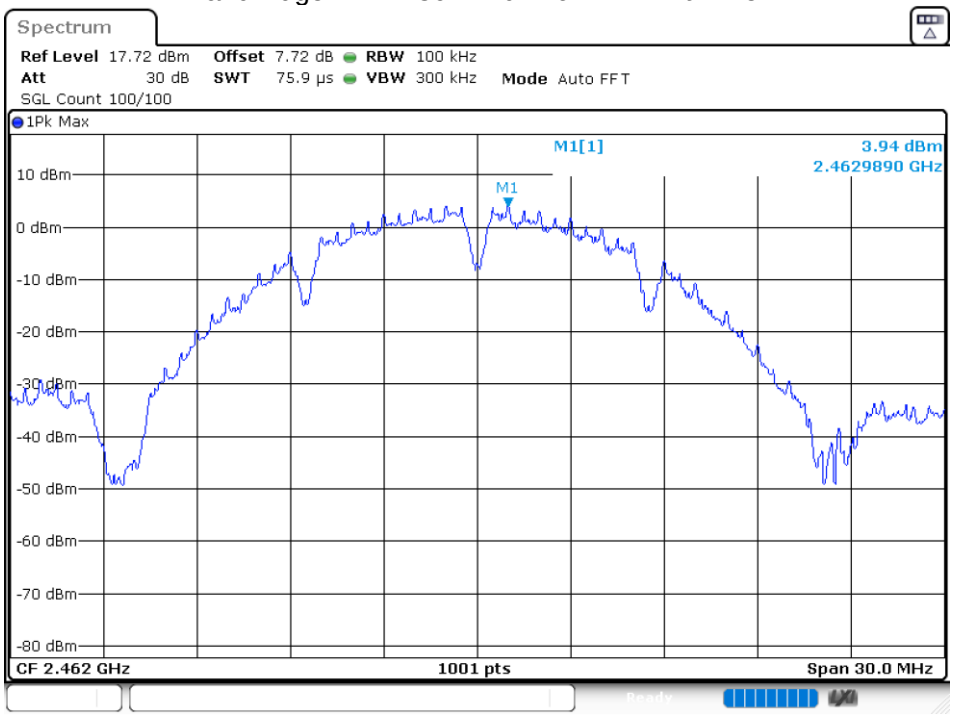
Band Edge NVNT 802.11b 2412MHz Ant 2 Emission



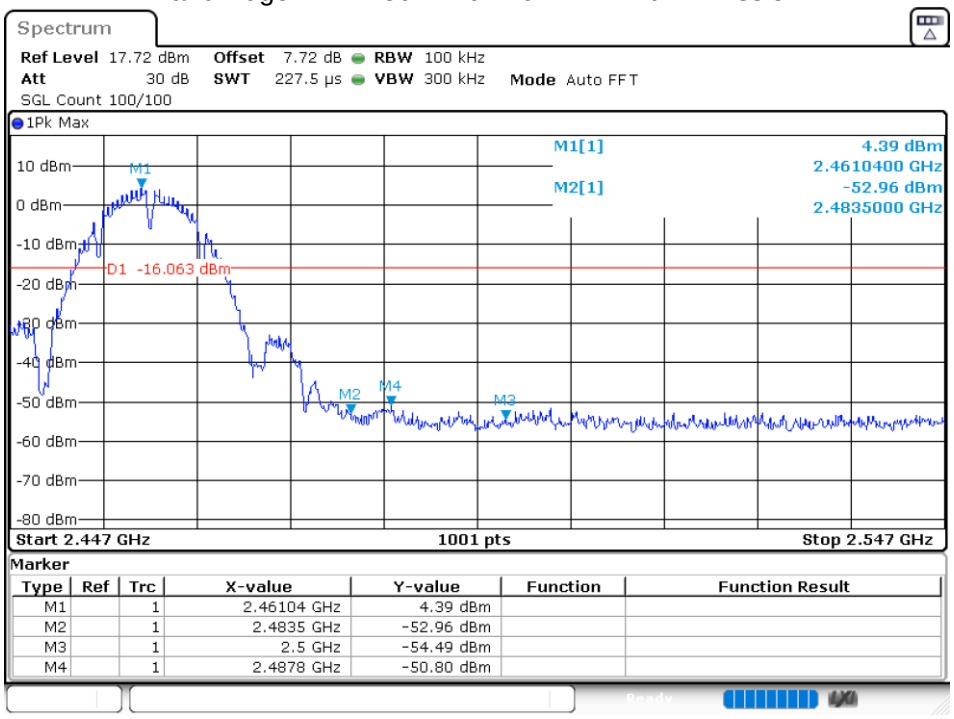
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41296 GHz	4.36 dBm		
M2		1	2.4 GHz	-36.90 dBm		
M3		1	2.39 GHz	-54.98 dBm		
M4		1	2.3865 GHz	-48.27 dBm		

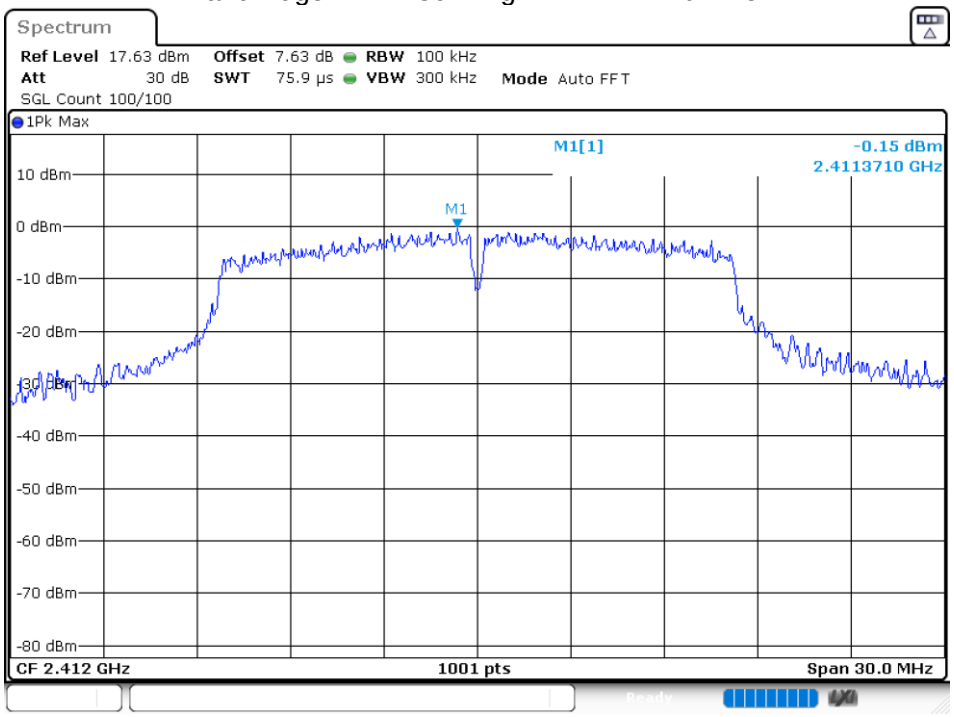
Band Edge NVNT 802.11b 2462MHz Ant 2 Ref



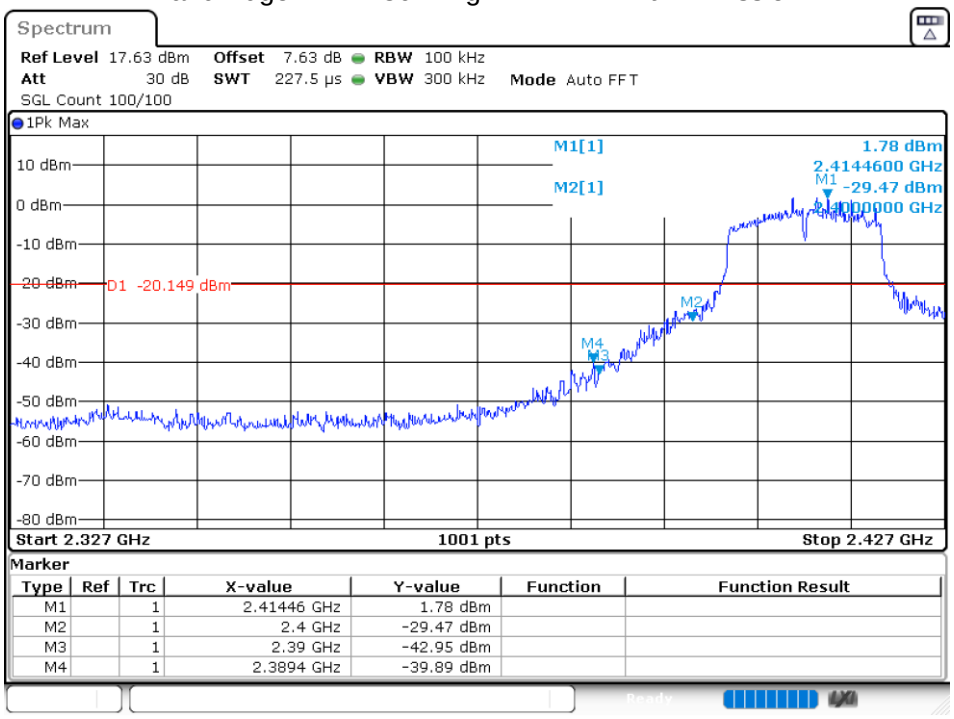
Band Edge NVNT 802.11b 2462MHz Ant 2 Emission



Band Edge NVNT 802.11g 2412MHz Ant 1 Ref



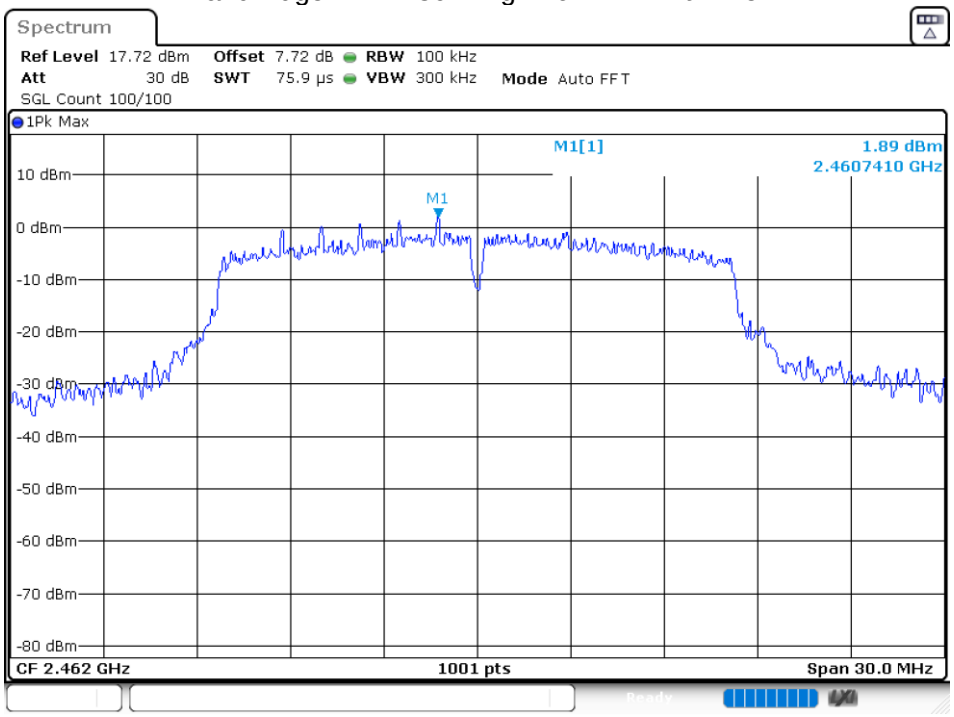
Band Edge NVNT 802.11g 2412MHz Ant 1 Emission



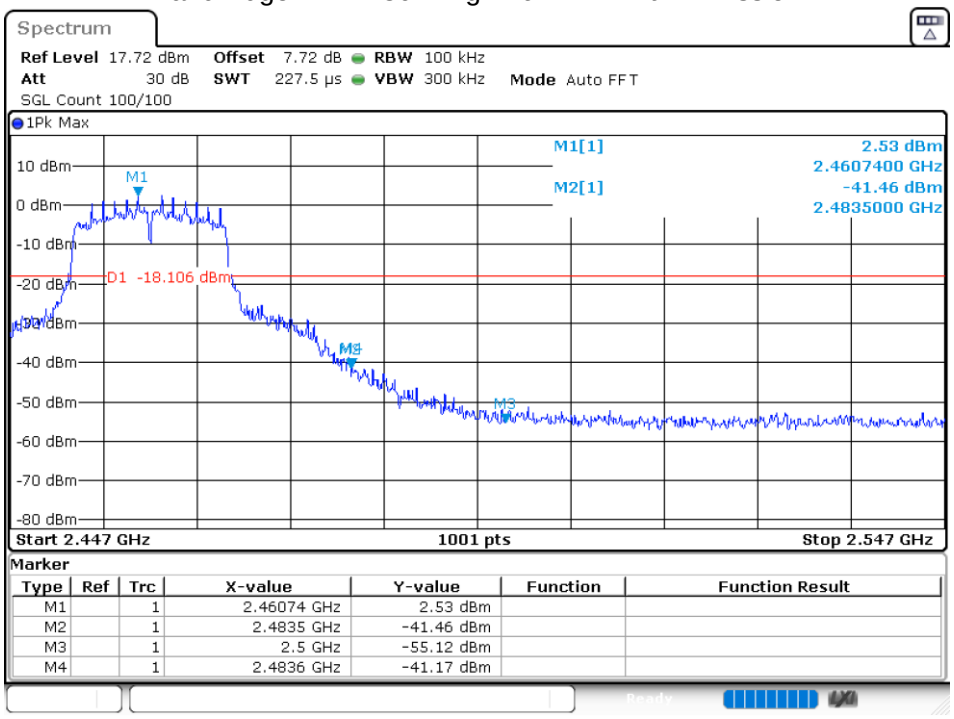
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41446 GHz	1.78 dBm		
M2		1	2.4 GHz	-29.47 dBm		
M3		1	2.39 GHz	-42.95 dBm		
M4		1	2.3894 GHz	-39.89 dBm		

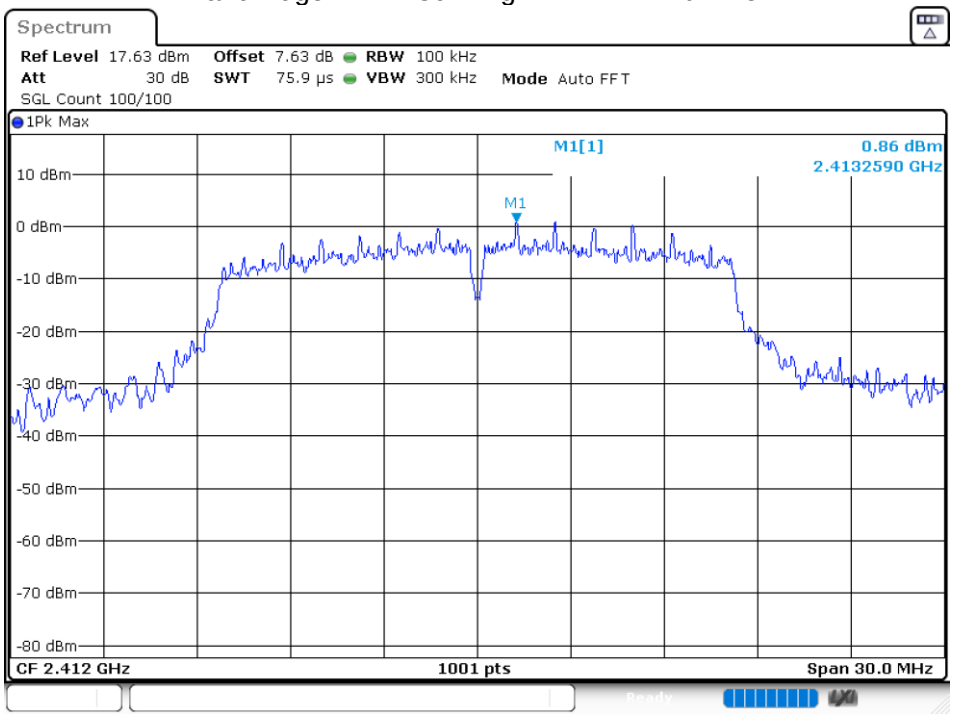
Band Edge NVNT 802.11g 2462MHz Ant 1 Ref



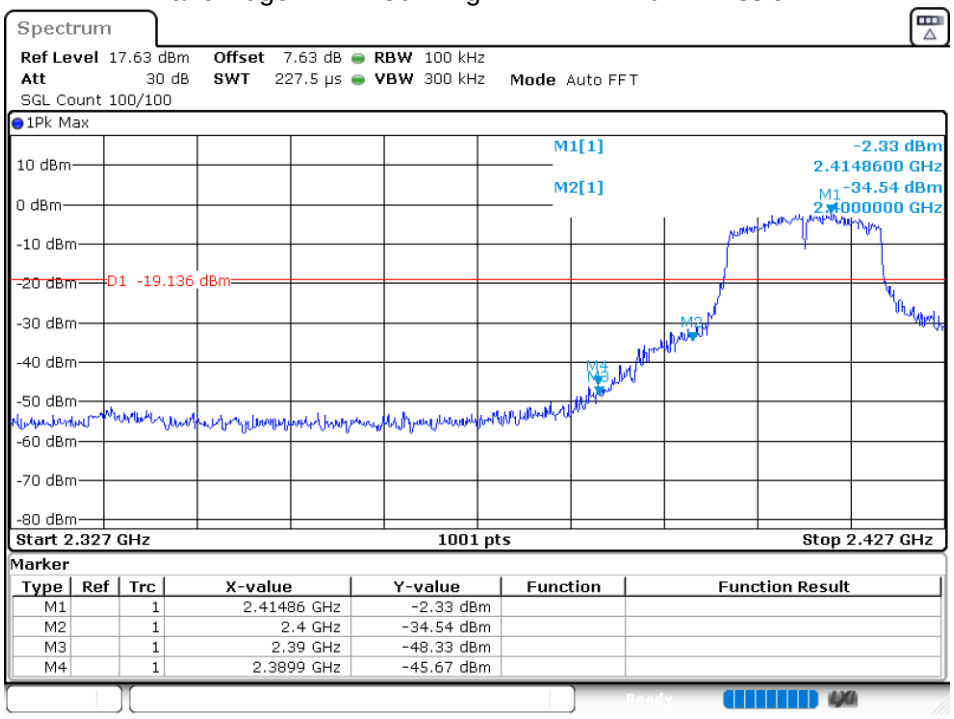
Band Edge NVNT 802.11g 2462MHz Ant 1 Emission



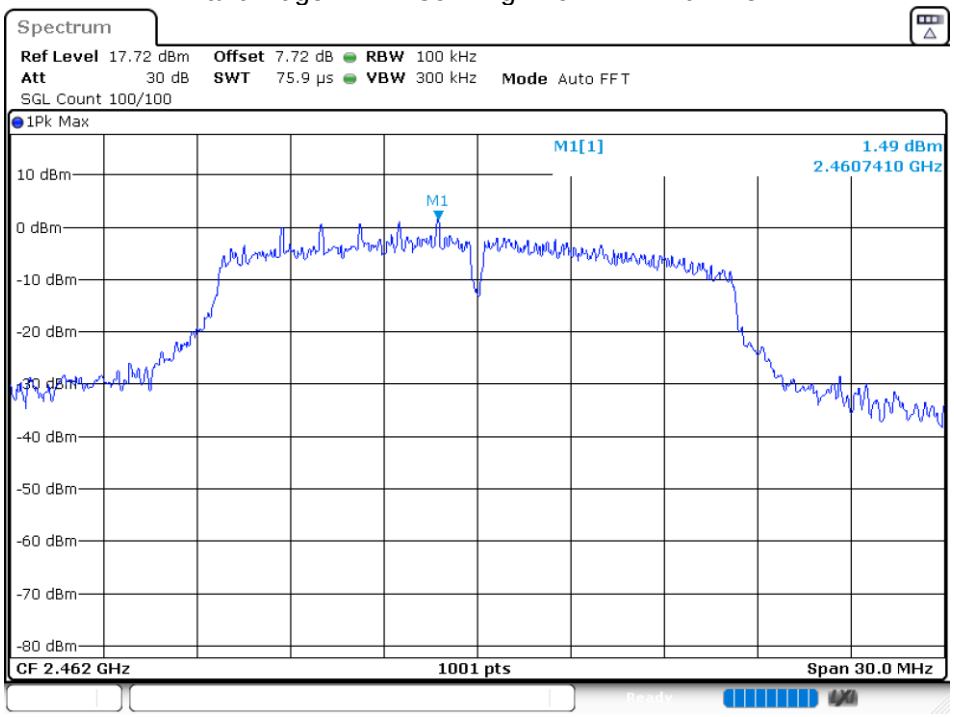
Band Edge NVNT 802.11g 2412MHz Ant 2 Ref



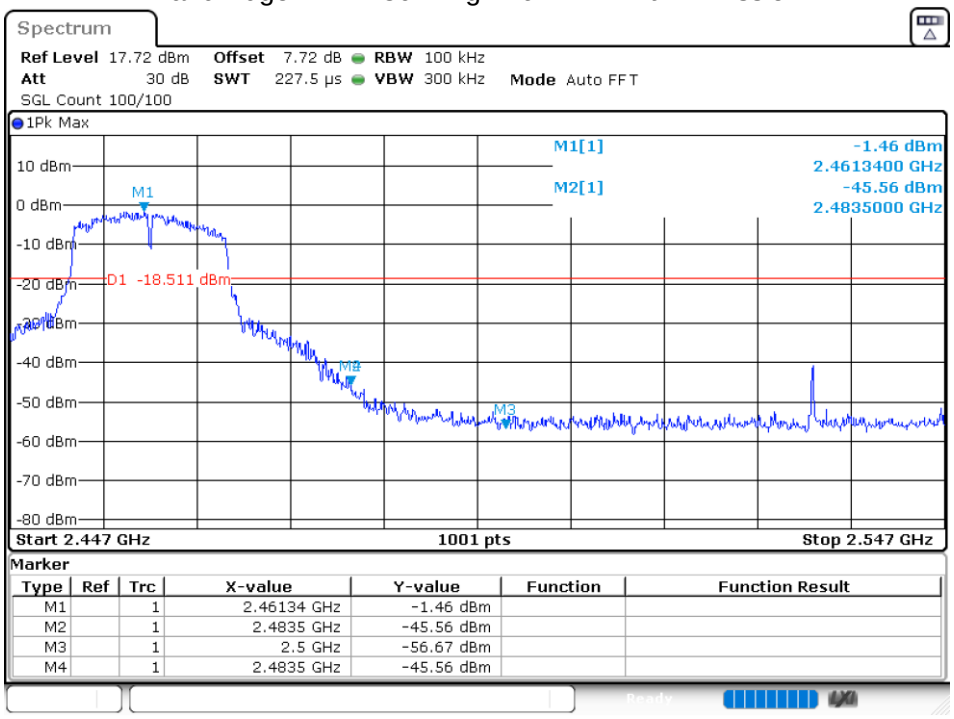
Band Edge NVNT 802.11g 2412MHz Ant 2 Emission



Band Edge NVNT 802.11g 2462MHz Ant 2 Ref



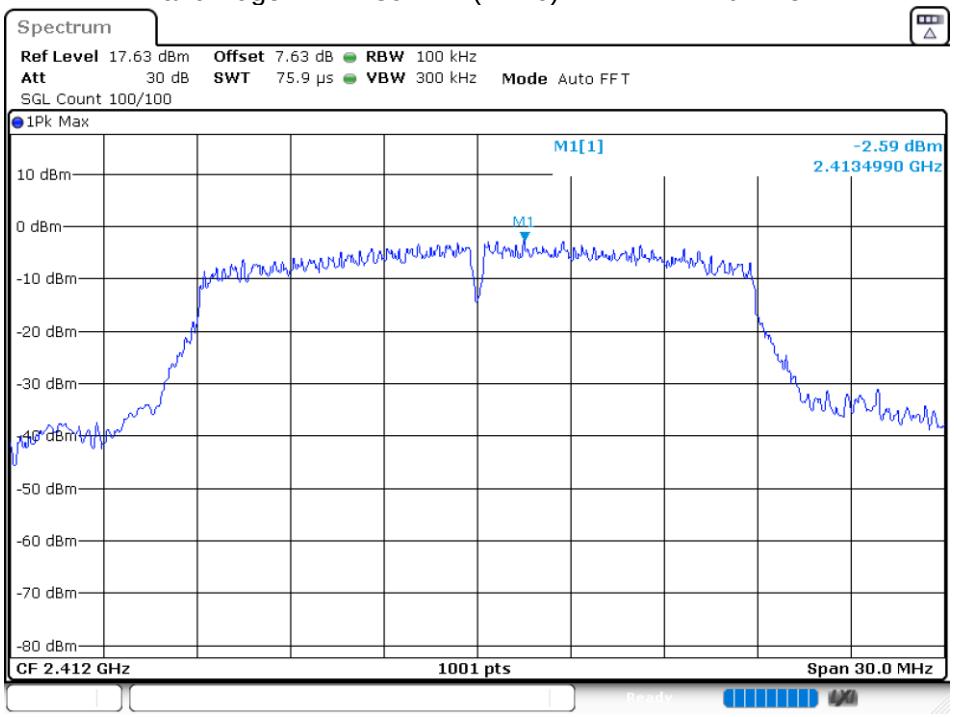
Band Edge NVNT 802.11g 2462MHz Ant 2 Emission



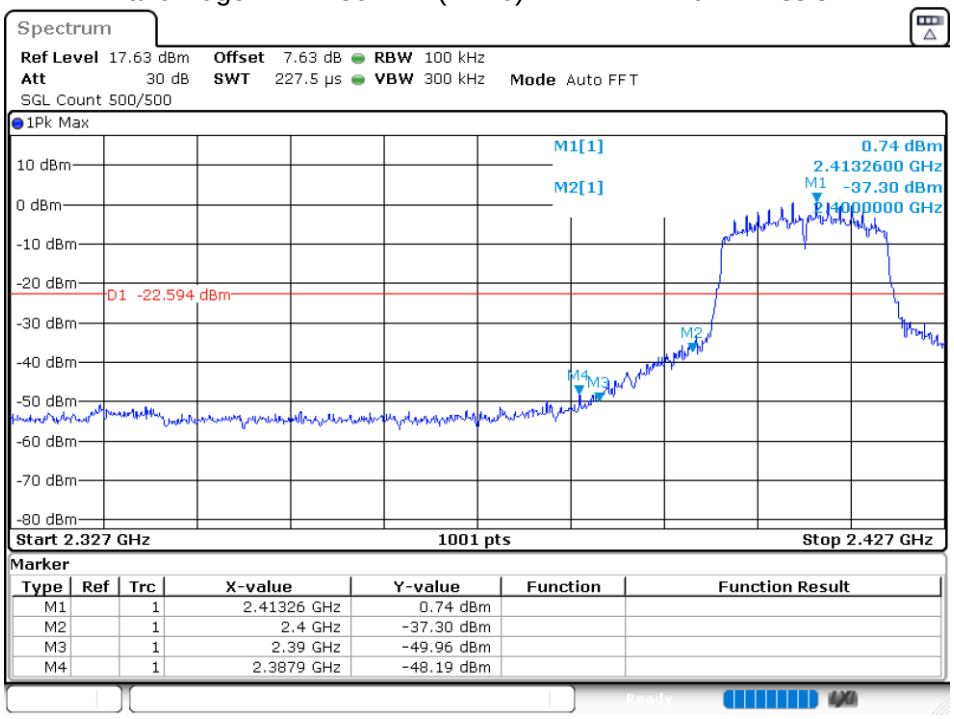
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46134 GHz	-1.46 dBm		
M2		1	2.4835 GHz	-45.56 dBm		
M3		1	2.5 GHz	-56.67 dBm		
M4		1	2.4835 GHz	-45.56 dBm		

Band Edge NVNT 802.11n(HT20) 2412MHz Ant 1 Ref



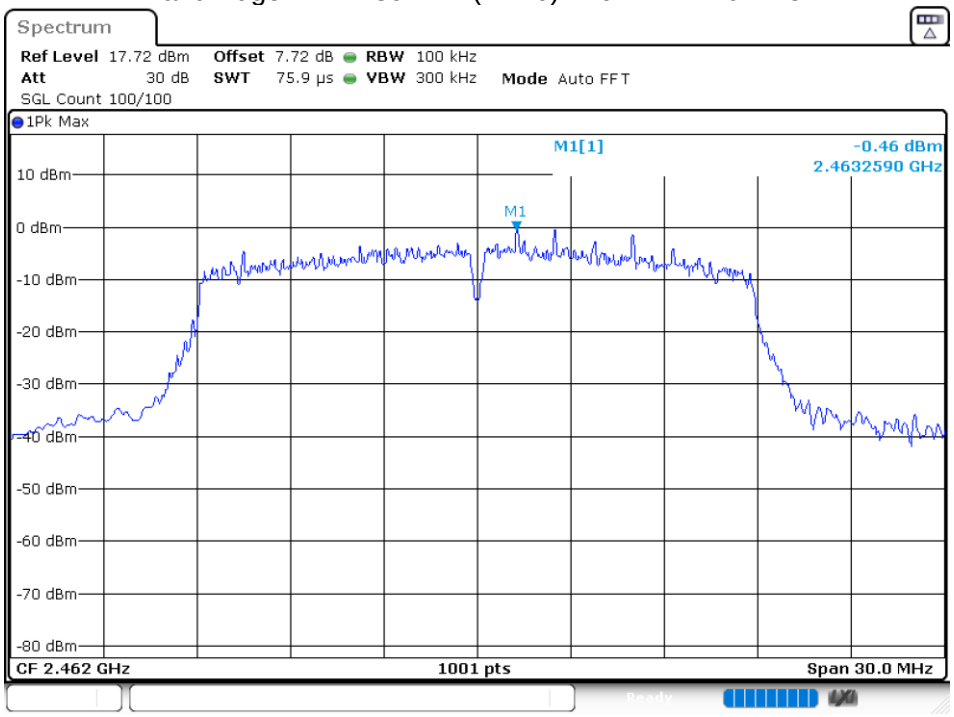
Band Edge NVNT 802.11n(HT20) 2412MHz Ant 1 Emission



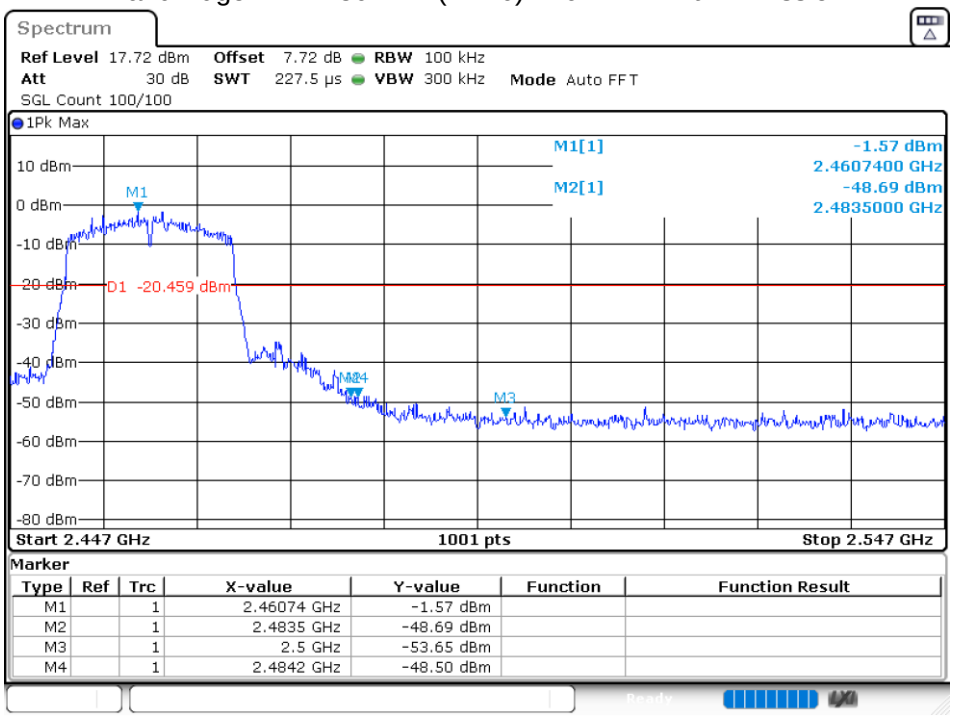
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41326 GHz	0.74 dBm		
M2		1	2.4 GHz	-37.30 dBm		
M3		1	2.39 GHz	-49.96 dBm		
M4		1	2.3879 GHz	-48.19 dBm		

Band Edge NVNT 802.11n(HT20) 2462MHz Ant 1 Ref



Band Edge NVNT 802.11n(HT20) 2462MHz Ant 1 Emission



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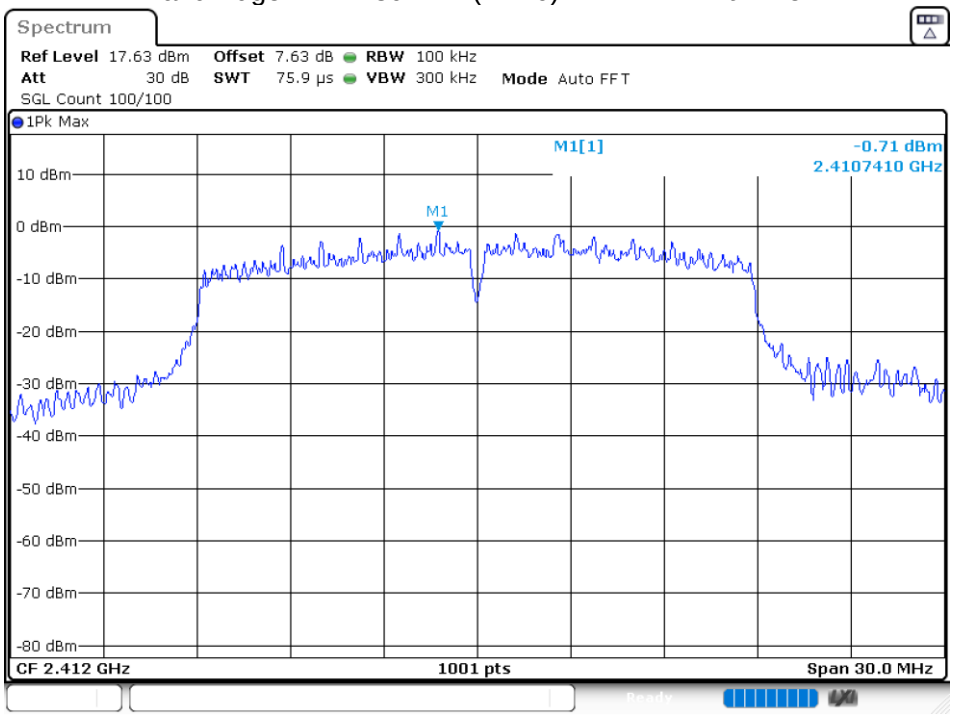
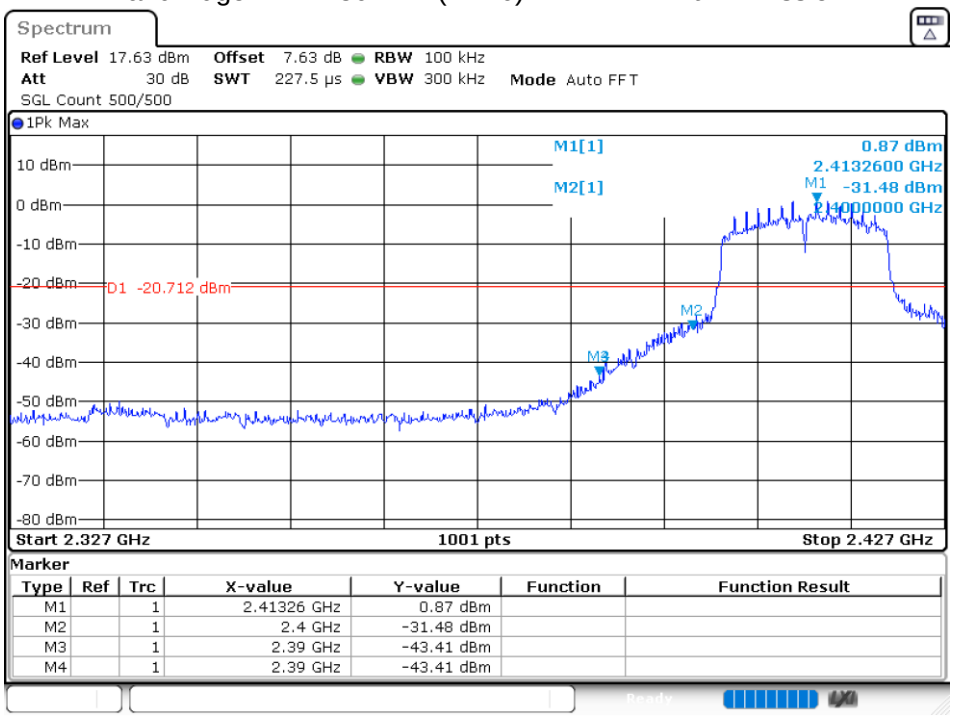


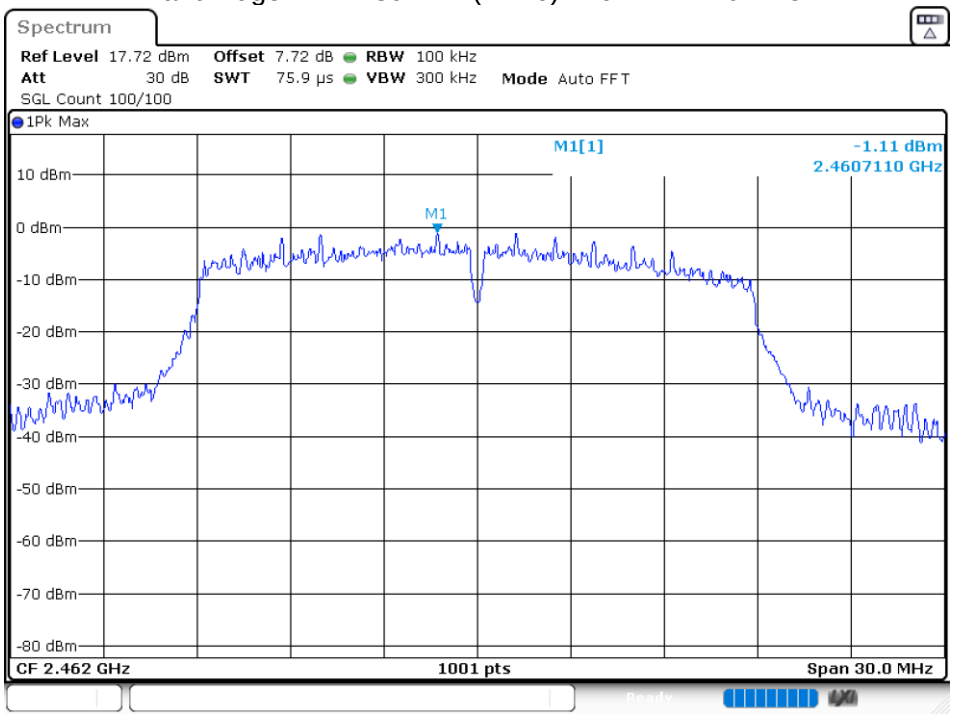
Band Edge NVNT 802.11n(HT20) 2412MHz Ant 2 Emission



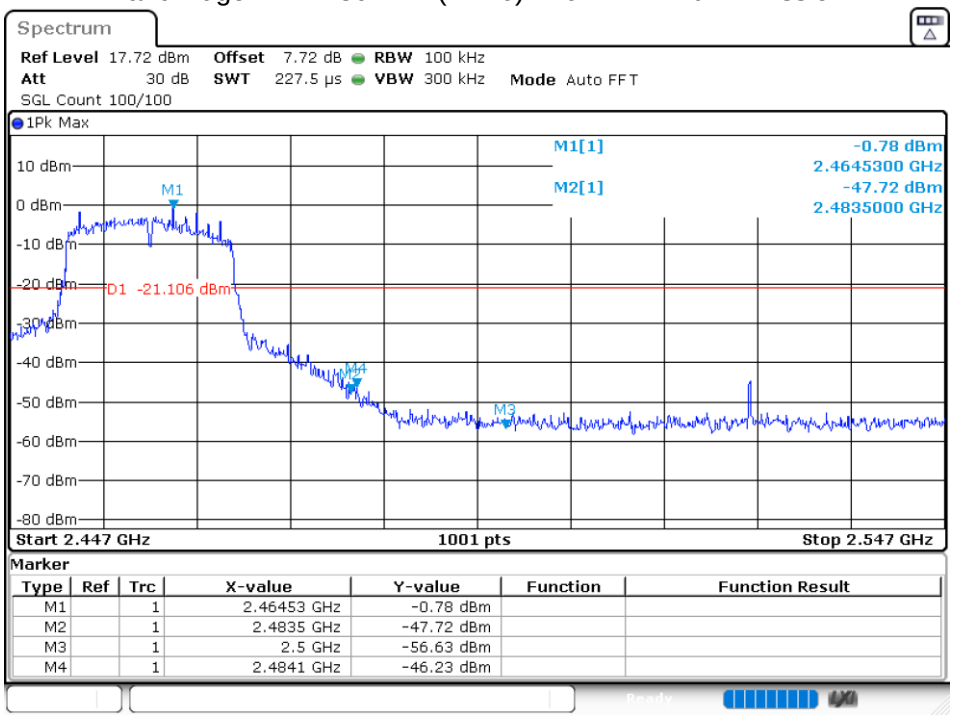
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41326 GHz	0.87 dBm		
M2		1	2.4 GHz	-31.48 dBm		
M3		1	2.39 GHz	-43.41 dBm		
M4		1	2.39 GHz	-43.41 dBm		

Band Edge NVNT 802.11n(HT20) 2462MHz Ant 2 Ref



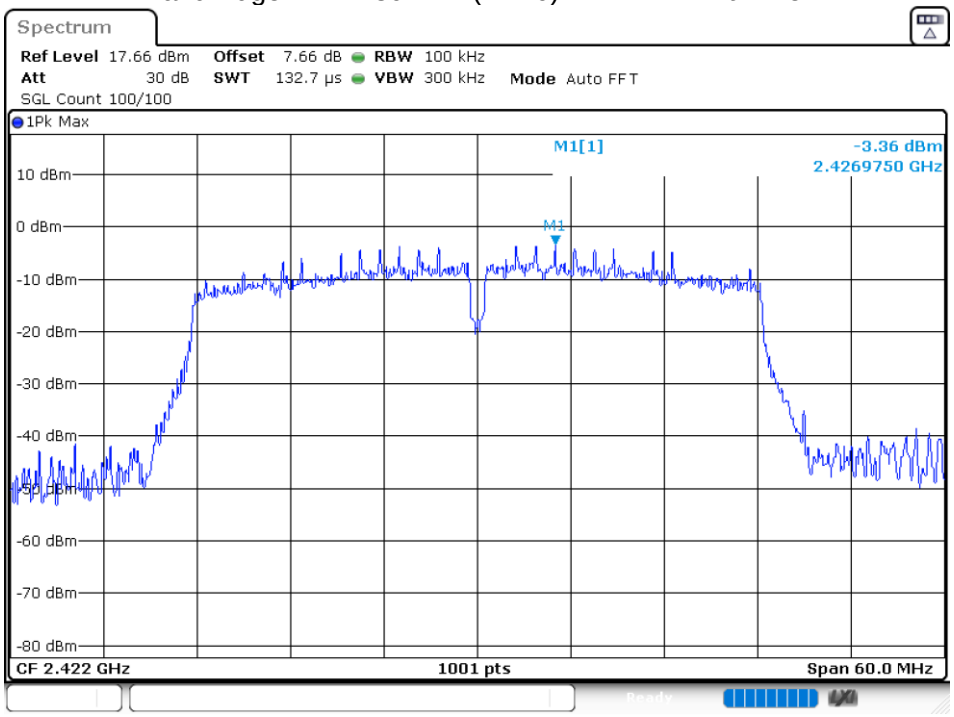
Band Edge NVNT 802.11n(HT20) 2462MHz Ant 2 Emission



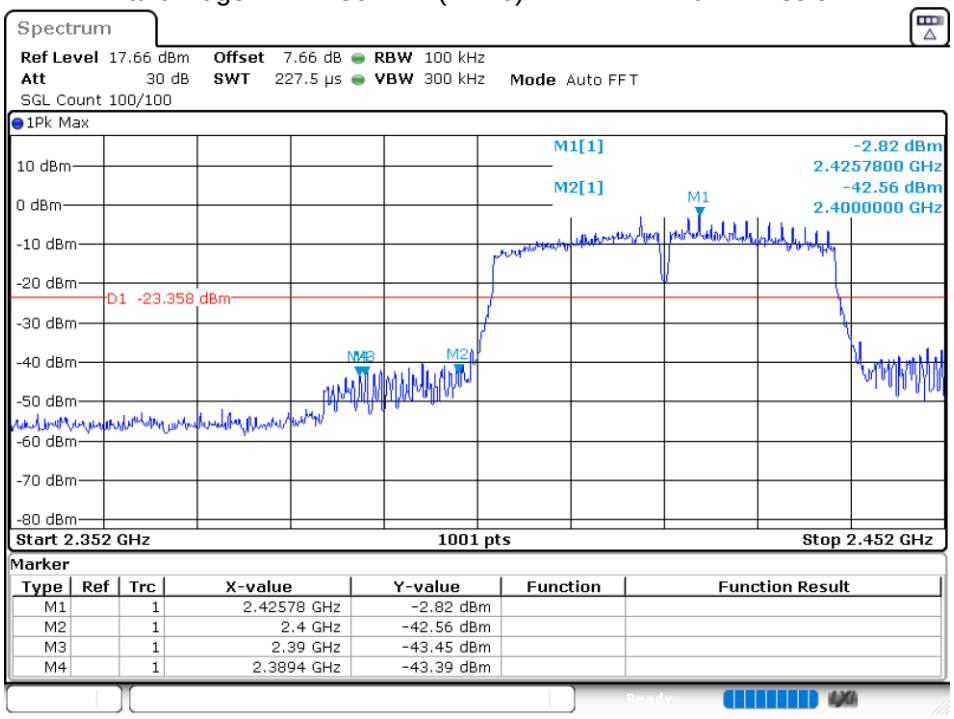
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46453 GHz	-0.78 dBm		
M2		1	2.4835 GHz	-47.72 dBm		
M3		1	2.5 GHz	-56.63 dBm		
M4		1	2.4841 GHz	-46.23 dBm		

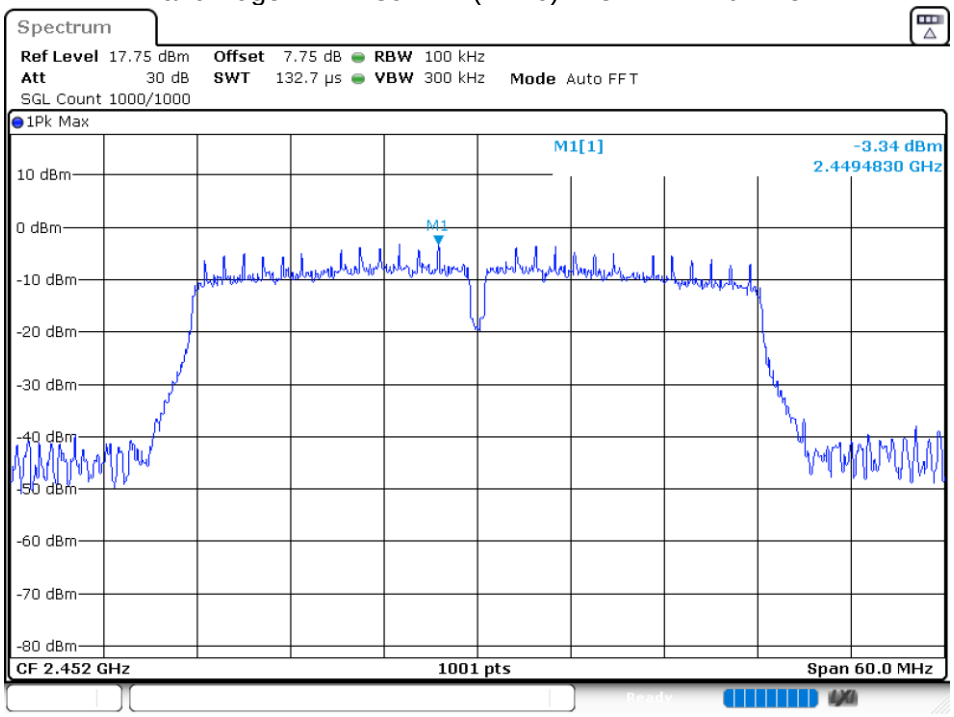
Band Edge NVNT 802.11n(HT40) 2422MHz Ant 1 Ref



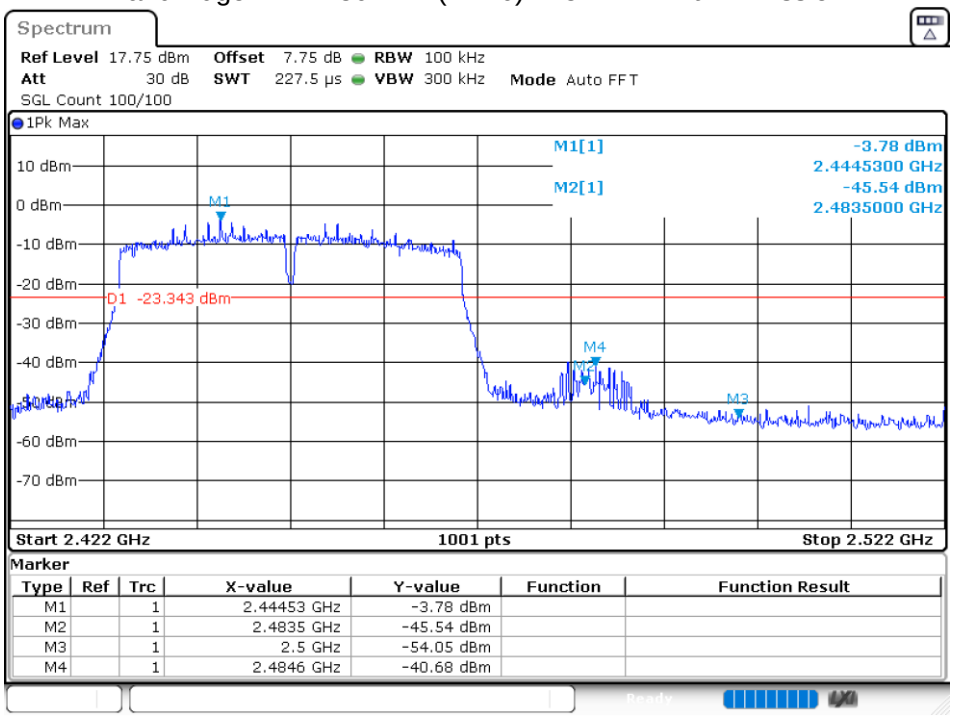
Band Edge NVNT 802.11n(HT40) 2422MHz Ant 1 Emission



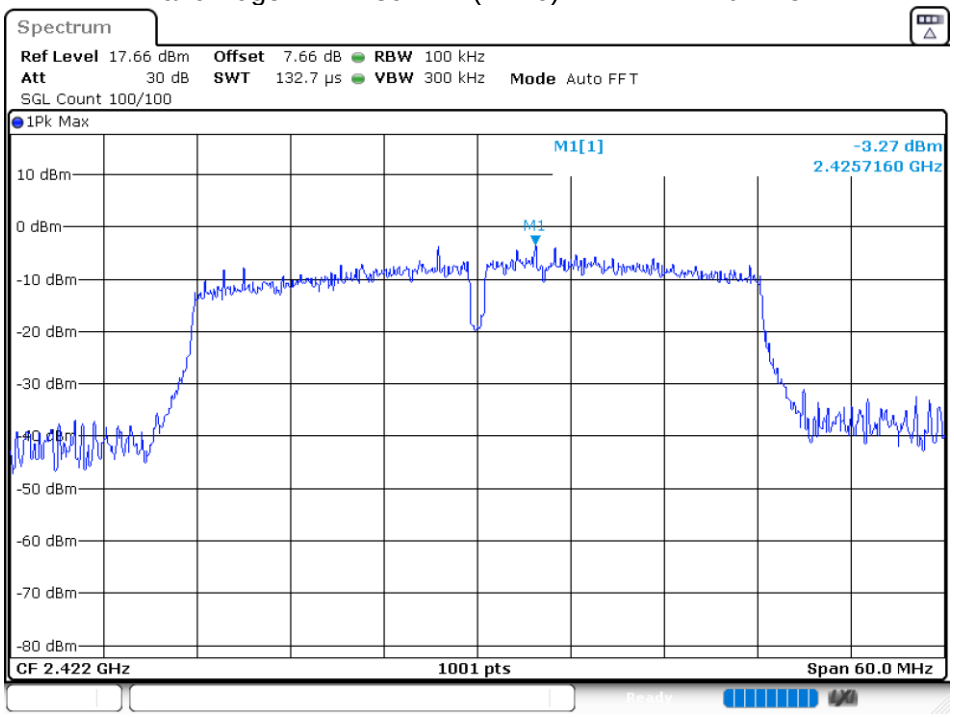
Band Edge NVNT 802.11n(HT40) 2452MHz Ant 1 Ref



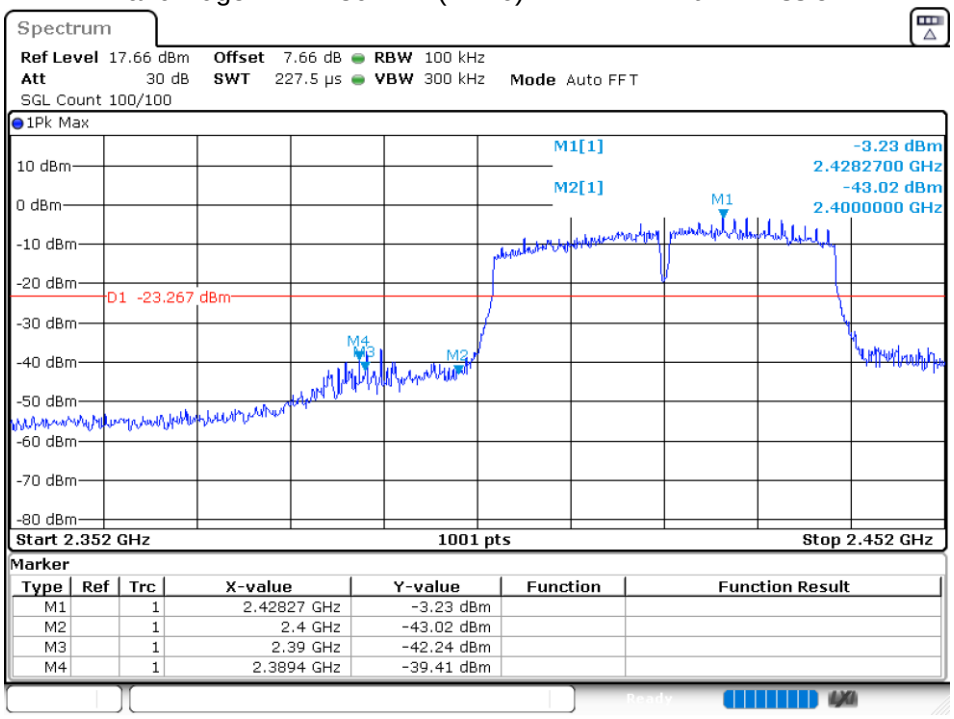
Band Edge NVNT 802.11n(HT40) 2452MHz Ant 1 Emission



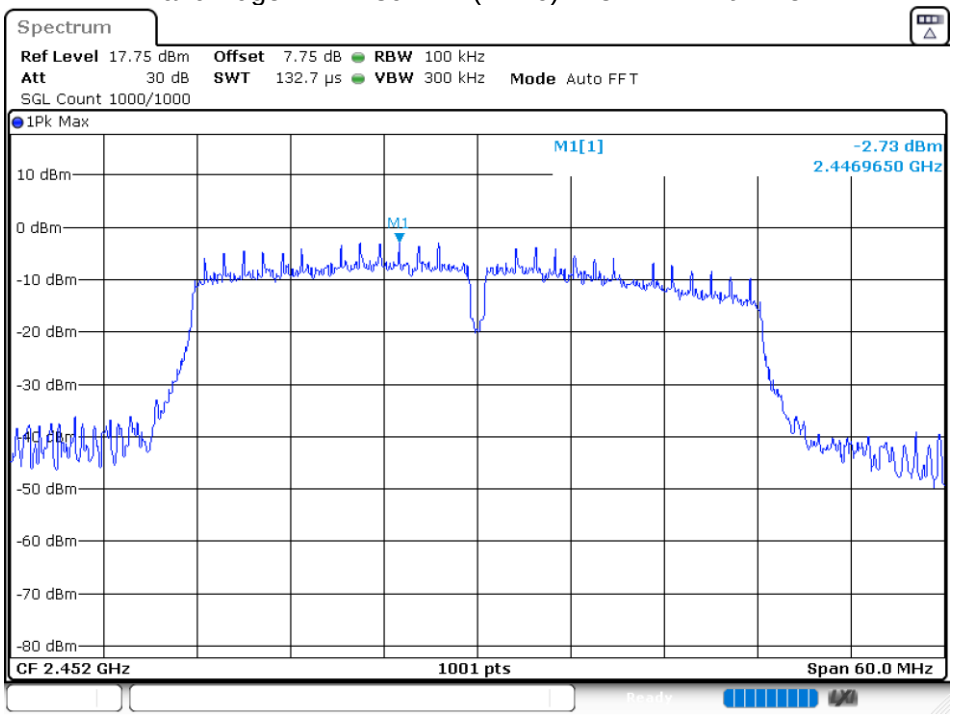
Band Edge NVNT 802.11n(HT40) 2422MHz Ant 2 Ref



Band Edge NVNT 802.11n(HT40) 2422MHz Ant 2 Emission



Band Edge NVNT 802.11n(HT40) 2452MHz Ant 2 Ref

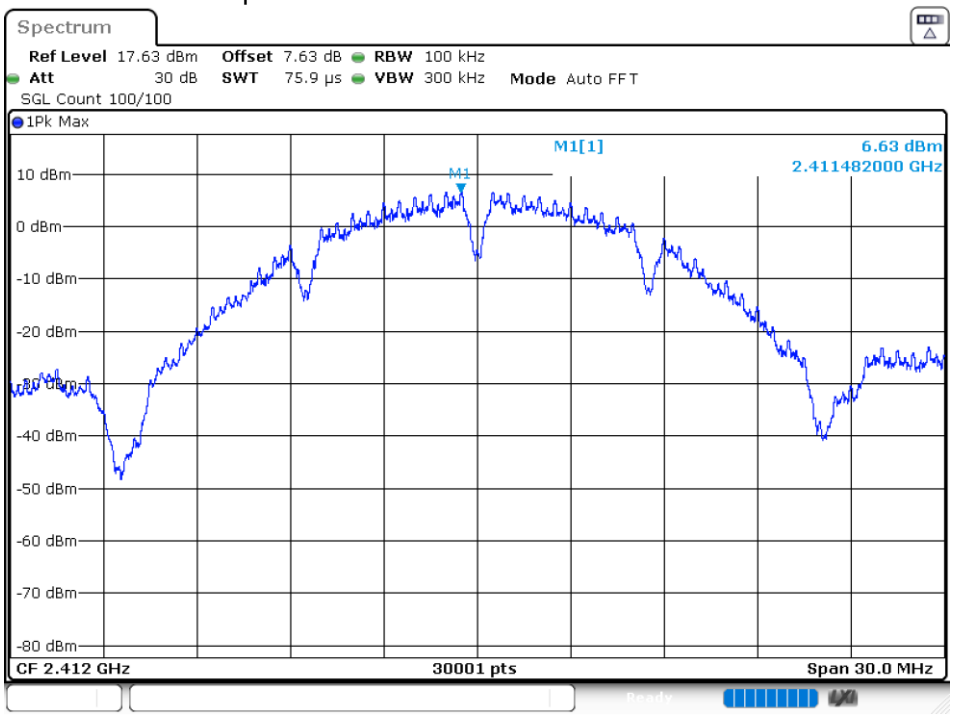


Band Edge NVNT 802.11n(HT40) 2452MHz Ant 2 Emission

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44952 GHz	-3.12 dBm		
M2		1	2.4835 GHz	-50.56 dBm		
M3		1	2.5 GHz	-55.54 dBm		
M4		1	2.4859 GHz	-46.38 dBm		

8.5 **CONDUCTED RF SPURIOUS EMISSION**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-51.61	-20	Pass
NVNT	802.11b	2437	Ant 1	-51.39	-20	Pass
NVNT	802.11b	2462	Ant 1	-52.61	-20	Pass
NVNT	802.11b	2412	Ant 2	-49.98	-20	Pass
NVNT	802.11b	2437	Ant 2	-51.65	-20	Pass
NVNT	802.11b	2462	Ant 2	-49.34	-20	Pass
NVNT	802.11g	2412	Ant 1	-47.45	-20	Pass
NVNT	802.11g	2437	Ant 1	-48.64	-20	Pass
NVNT	802.11g	2462	Ant 1	-46.23	-20	Pass
NVNT	802.11g	2412	Ant 2	-43.34	-20	Pass
NVNT	802.11g	2437	Ant 2	-44.43	-20	Pass
NVNT	802.11g	2462	Ant 2	-34.8	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-43.9	-20	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-45.8	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-46.12	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 2	-44.74	-20	Pass
NVNT	802.11n(HT20)	2437	Ant 2	-41.88	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 2	-36.1	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 1	-43.04	-20	Pass
NVNT	802.11n(HT40)	2437	Ant 1	-43.5	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 1	-41.82	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 2	-44.11	-20	Pass
NVNT	802.11n(HT40)	2437	Ant 2	-42.18	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 2	-39.71	-20	Pass

Tx. Spurious NVNT 802.11b 2412MHz Ant 1 Ref