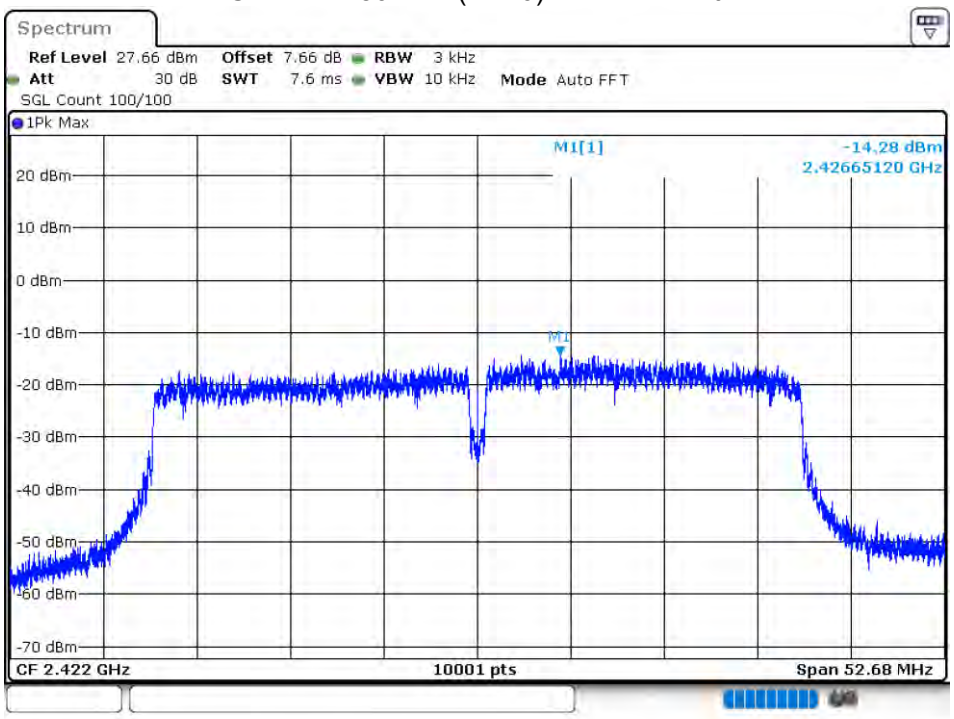
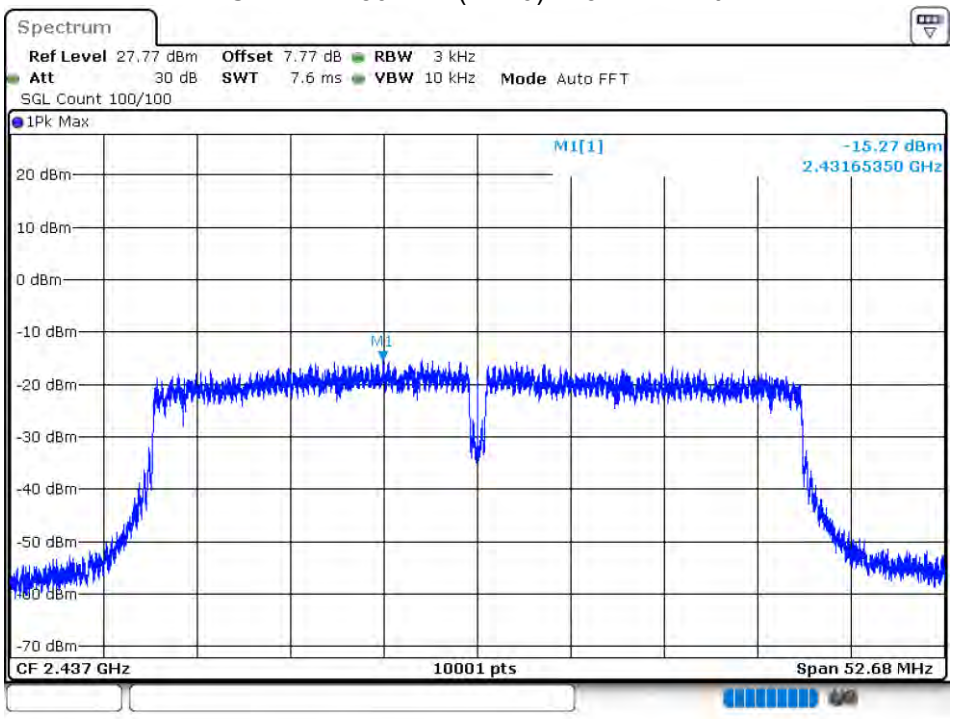
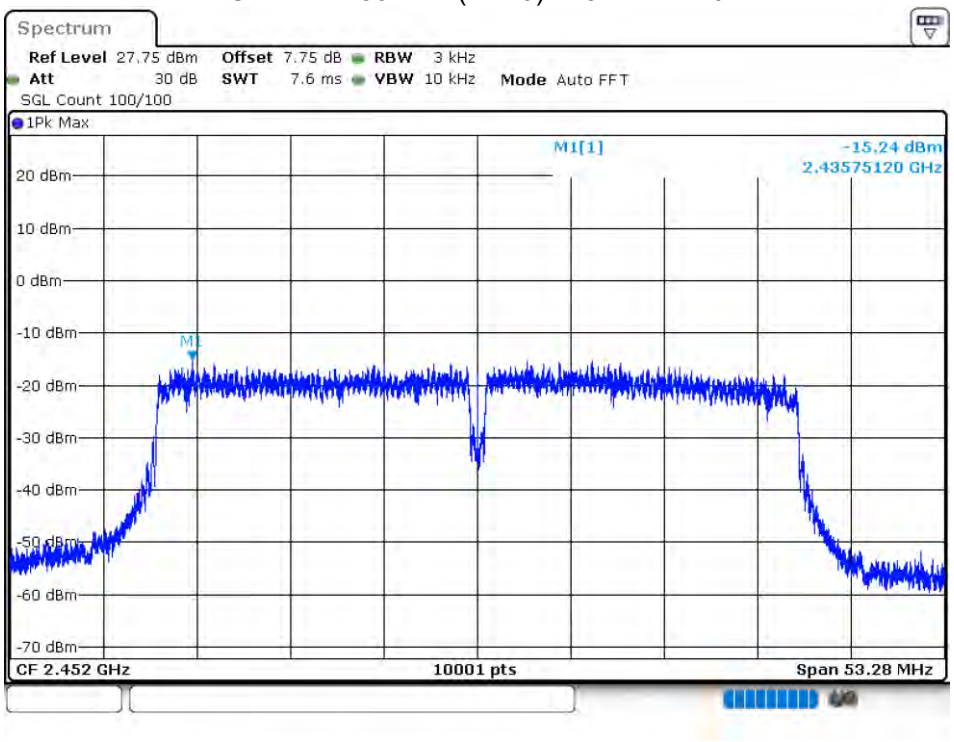
PSD NVNT 802.11n(HT40) 2422MHz Ant 2



PSD NVNT 802.11n(HT40) 2437MHz Ant 2



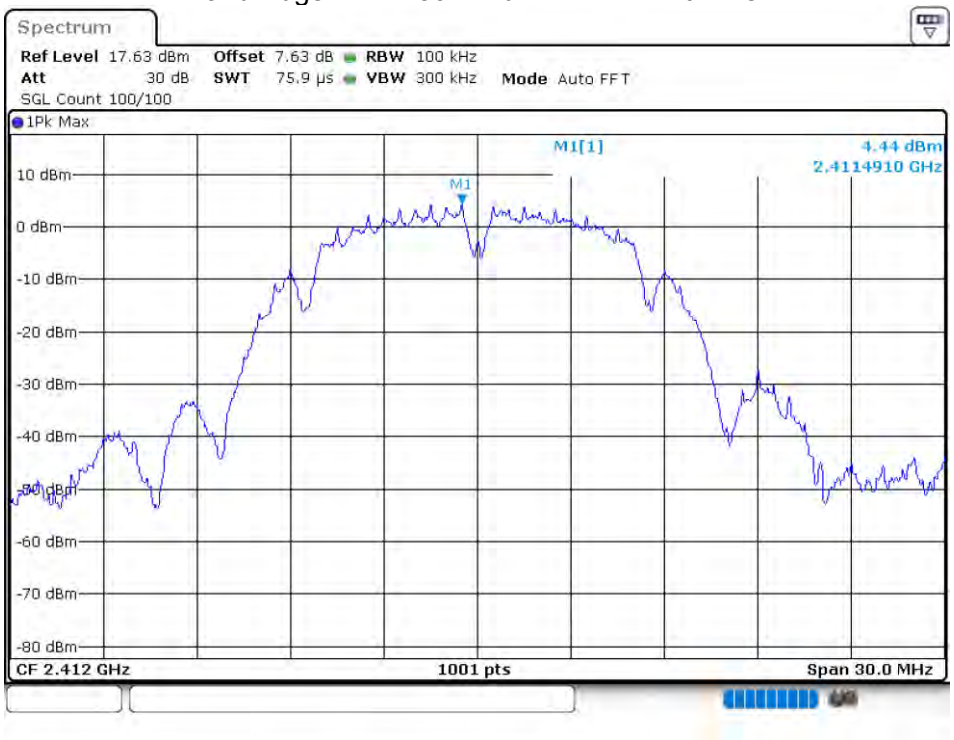
PSD NVNT 802.11n(HT40) 2452MHz Ant 2



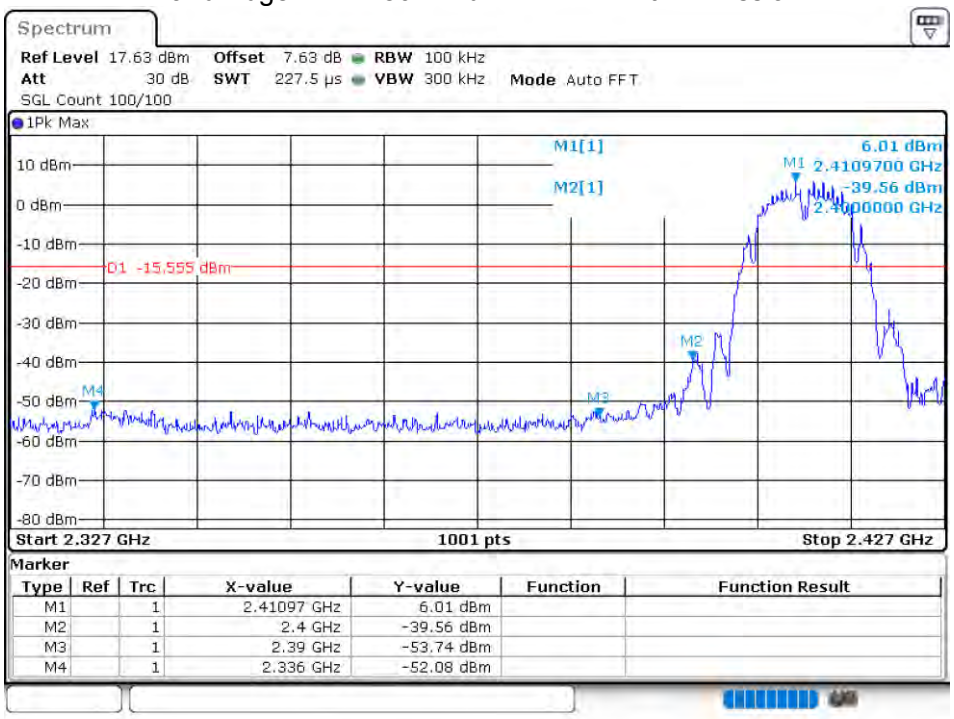
8.5 **BAND EDGE**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-56.52	-20	Pass
NVNT	802.11b	2462	Ant 1	-55.03	-20	Pass
NVNT	802.11b	2412	Ant 2	-57.52	-20	Pass
NVNT	802.11b	2462	Ant 2	-54.77	-20	Pass
NVNT	802.11g	2412	Ant 1	-44.94	-20	Pass
NVNT	802.11g	2462	Ant 1	-41.28	-20	Pass
NVNT	802.11g	2412	Ant 2	-45.09	-20	Pass
NVNT	802.11g	2462	Ant 2	-41.16	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-44.14	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-42.16	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 2	-40.52	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 2	-42.08	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 1	-45.7	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 1	-42.31	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 2	-46.97	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 2	-42.07	-20	Pass

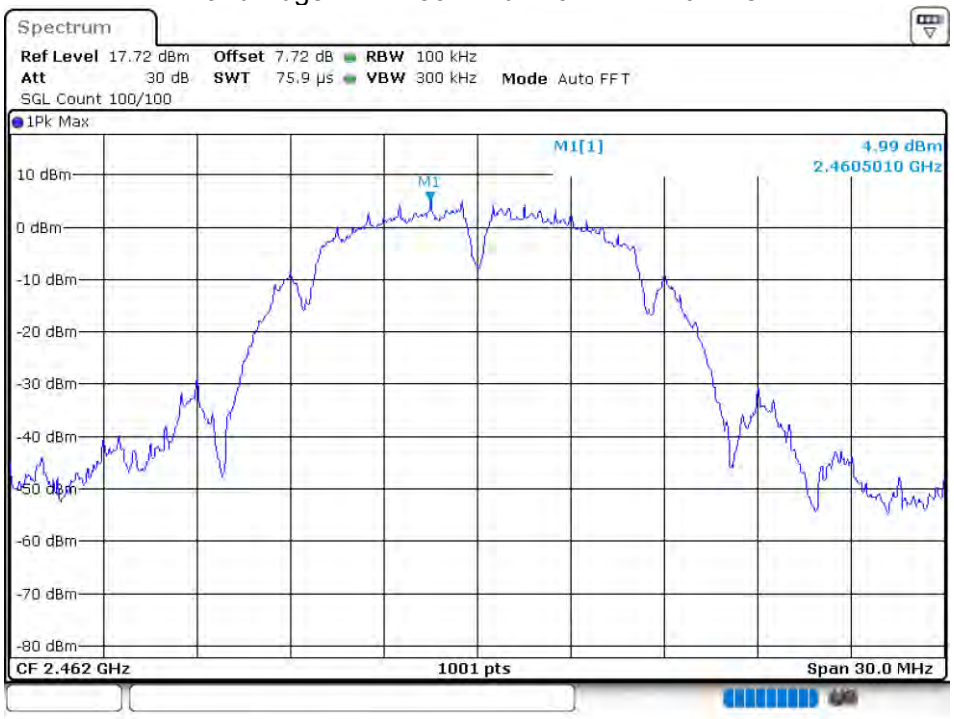
Band Edge NVNT 802.11b 2412MHz Ant 1 Ref



Band Edge NVNT 802.11b 2412MHz Ant 1 Emission

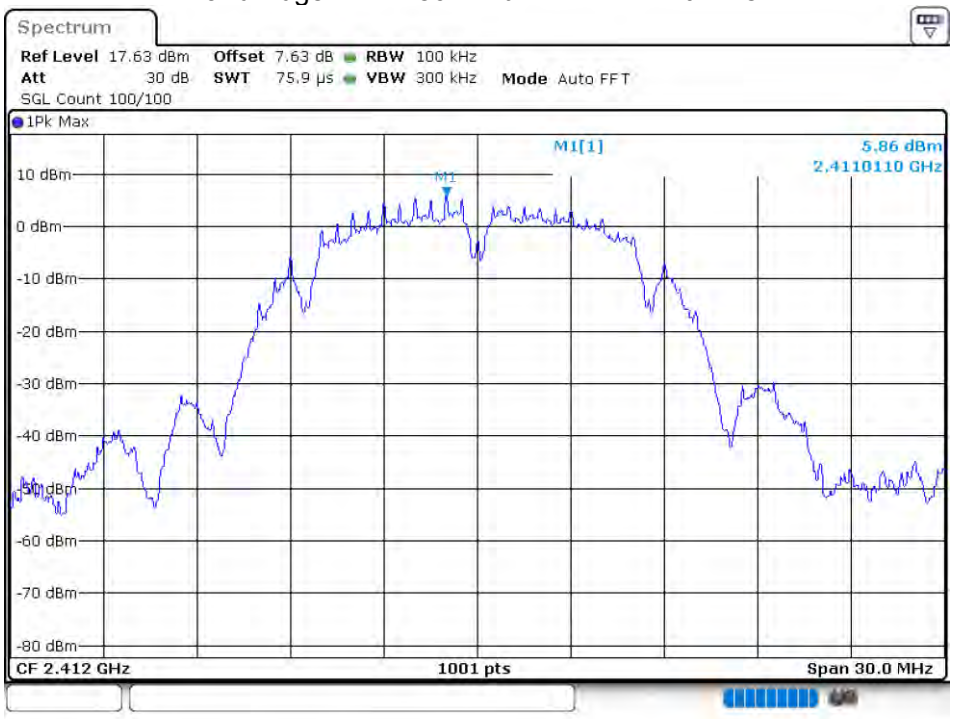


Band Edge NVNT 802.11b 2462MHz Ant 1 Ref

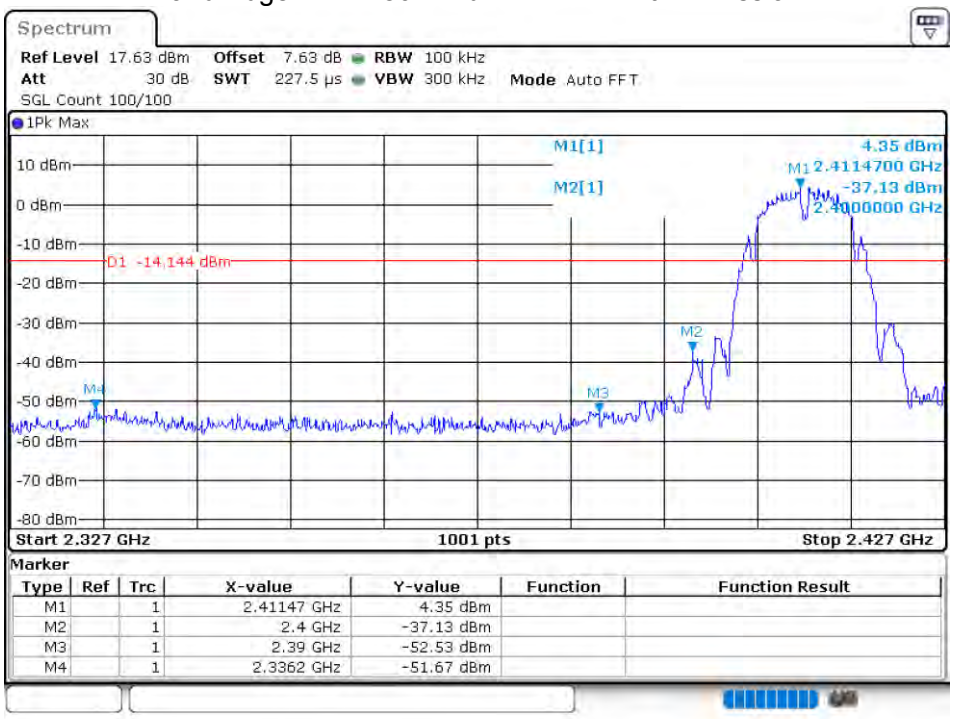


Band Edge NVNT 802.11b 2462MHz Ant 1 Emission

Band Edge NVNT 802.11b 2412MHz Ant 2 Ref



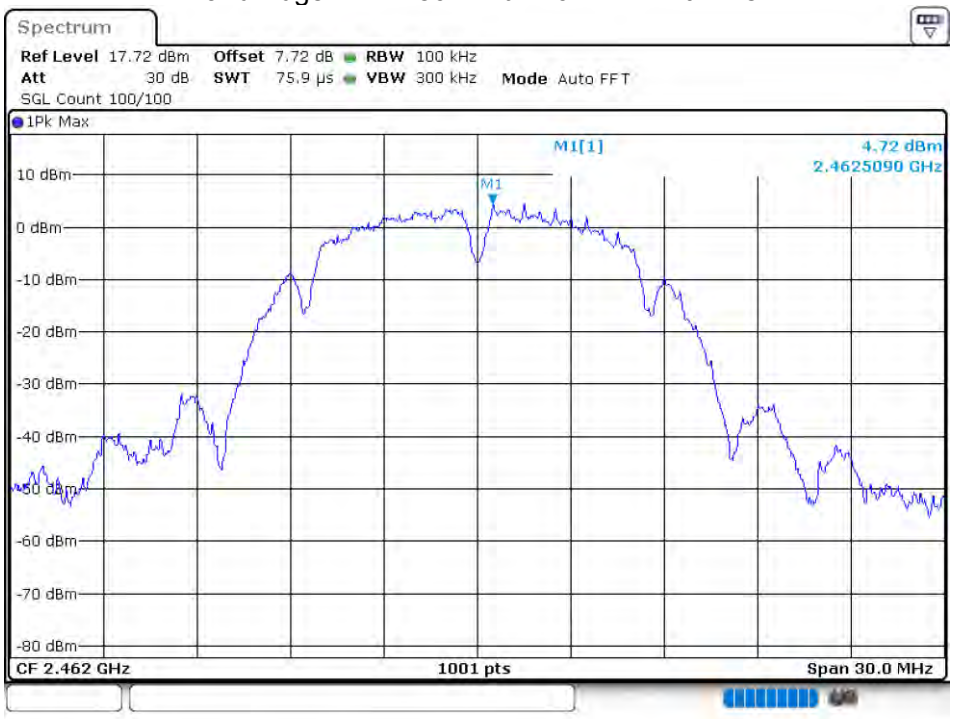
Band Edge NVNT 802.11b 2412MHz Ant 2 Emission



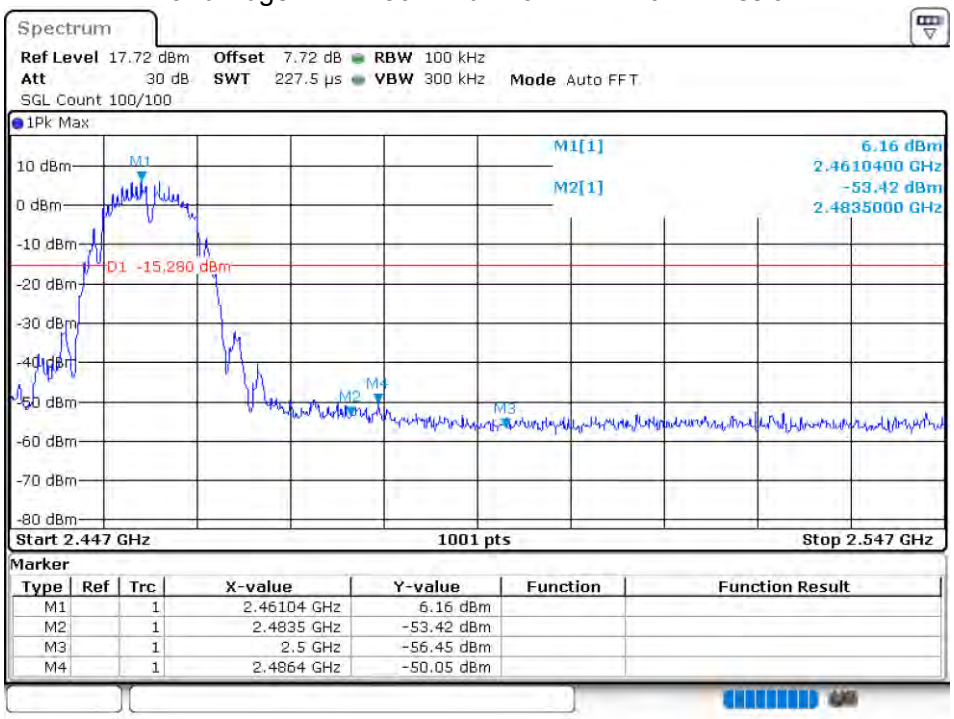
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41147 GHz	4.35 dBm		
M2		1	2.4 GHz	-37.13 dBm		
M3		1	2.39 GHz	-52.53 dBm		
M4		1	2.3362 GHz	-51.67 dBm		

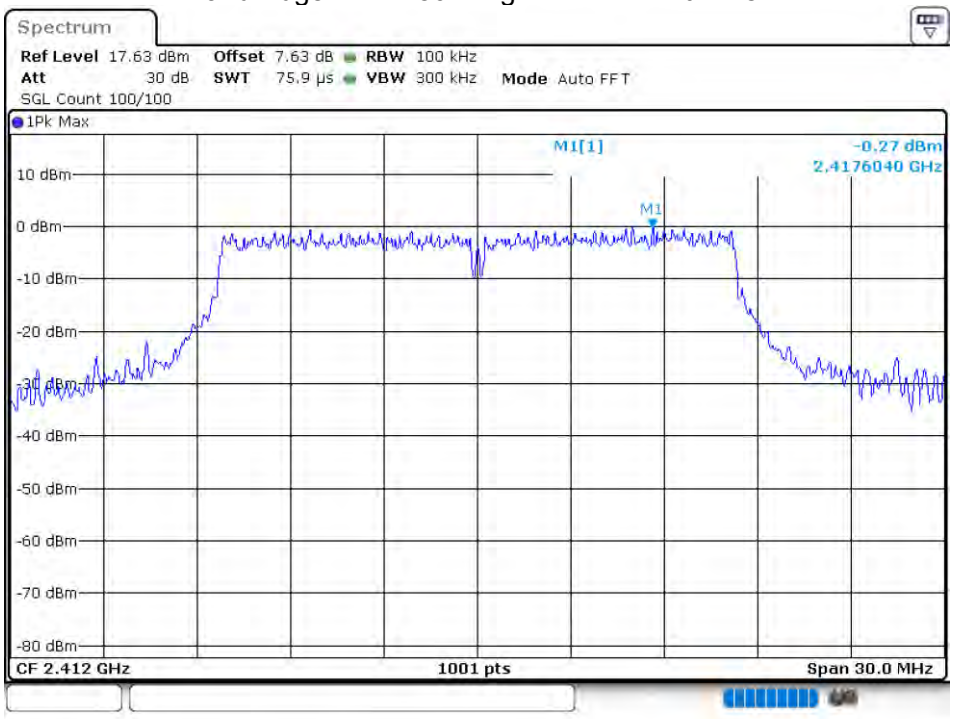
Band Edge NVNT 802.11b 2462MHz Ant 2 Ref



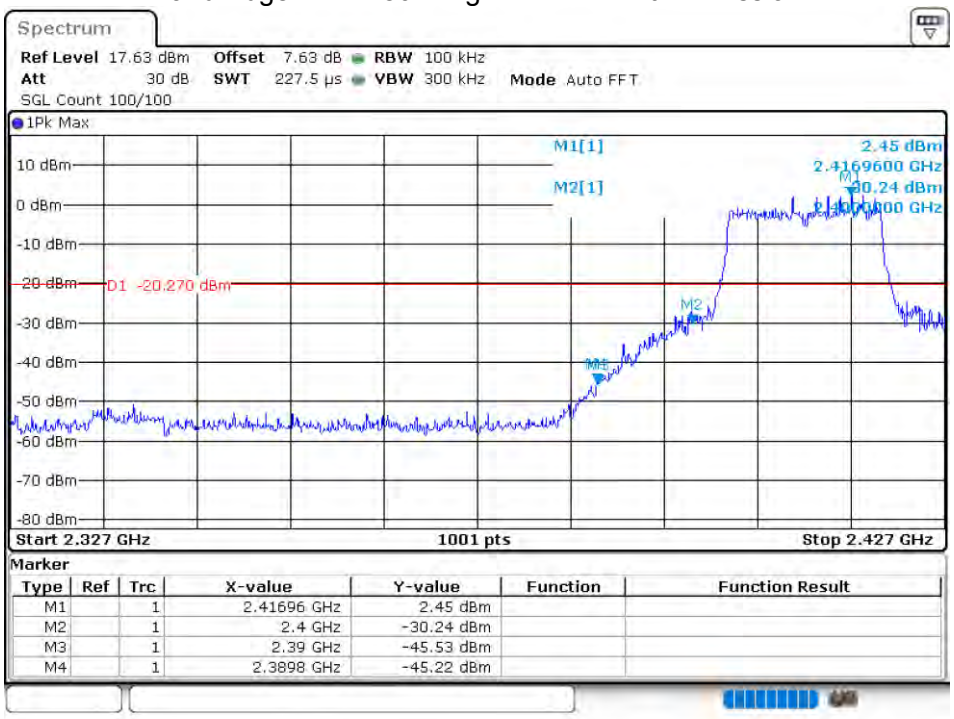
Band Edge NVNT 802.11b 2462MHz Ant 2 Emission



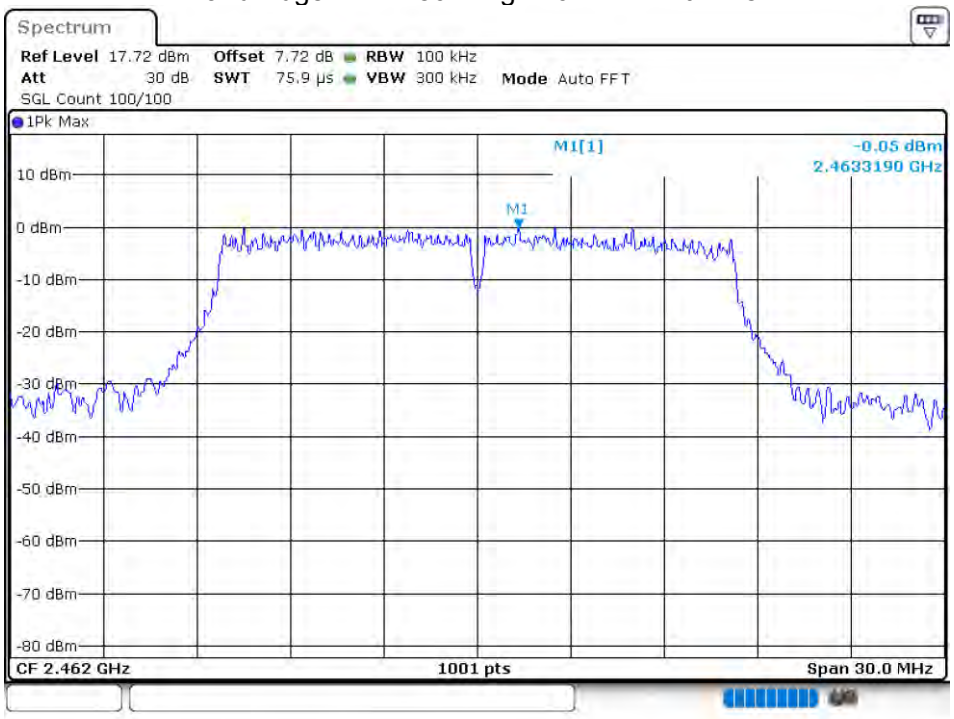
Band Edge NVNT 802.11g 2412MHz Ant 1 Ref



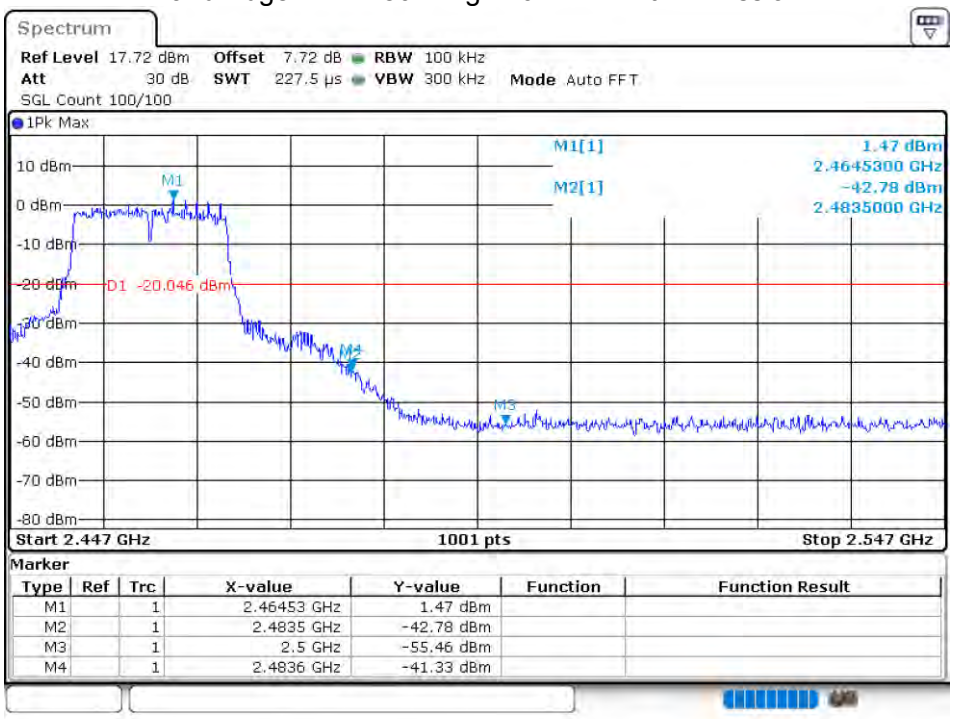
Band Edge NVNT 802.11g 2412MHz Ant 1 Emission



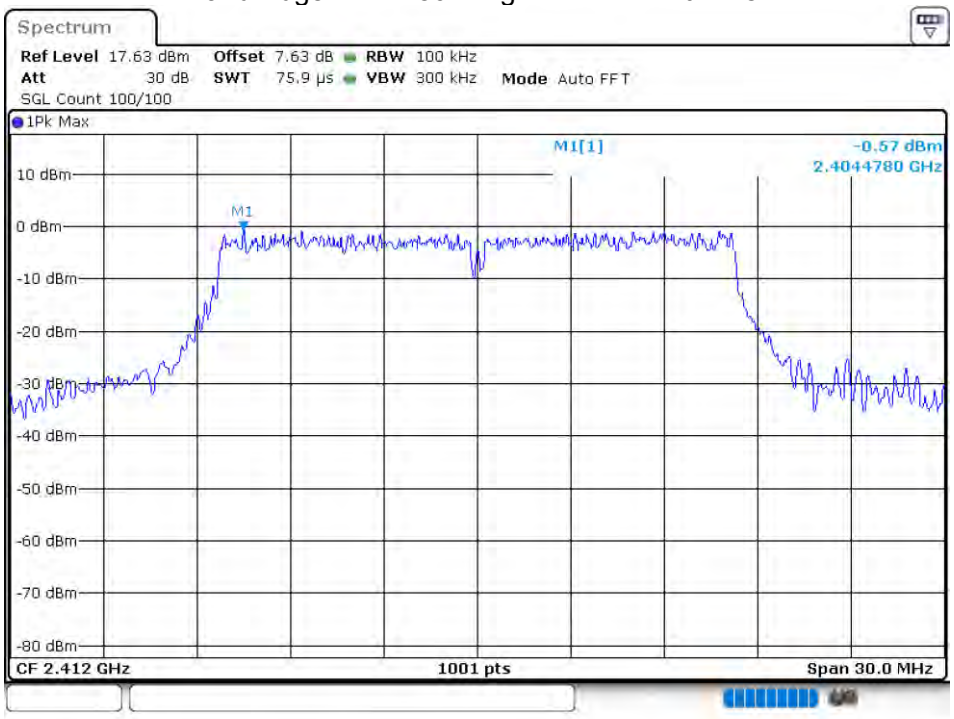
Band Edge NVNT 802.11g 2462MHz Ant 1 Ref



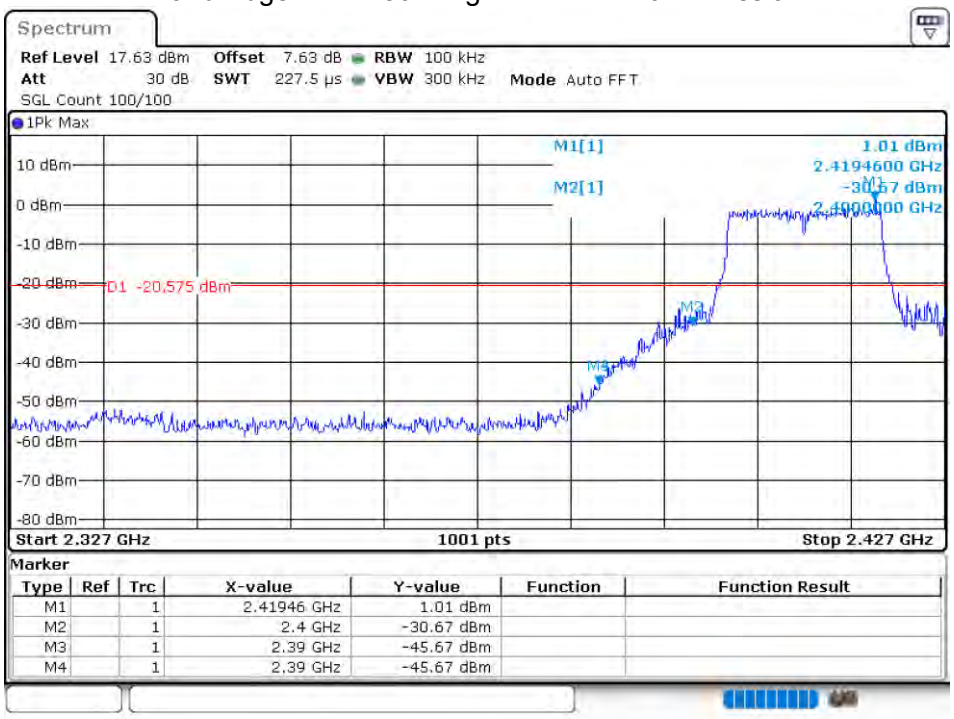
Band Edge NVNT 802.11g 2462MHz Ant 1 Emission



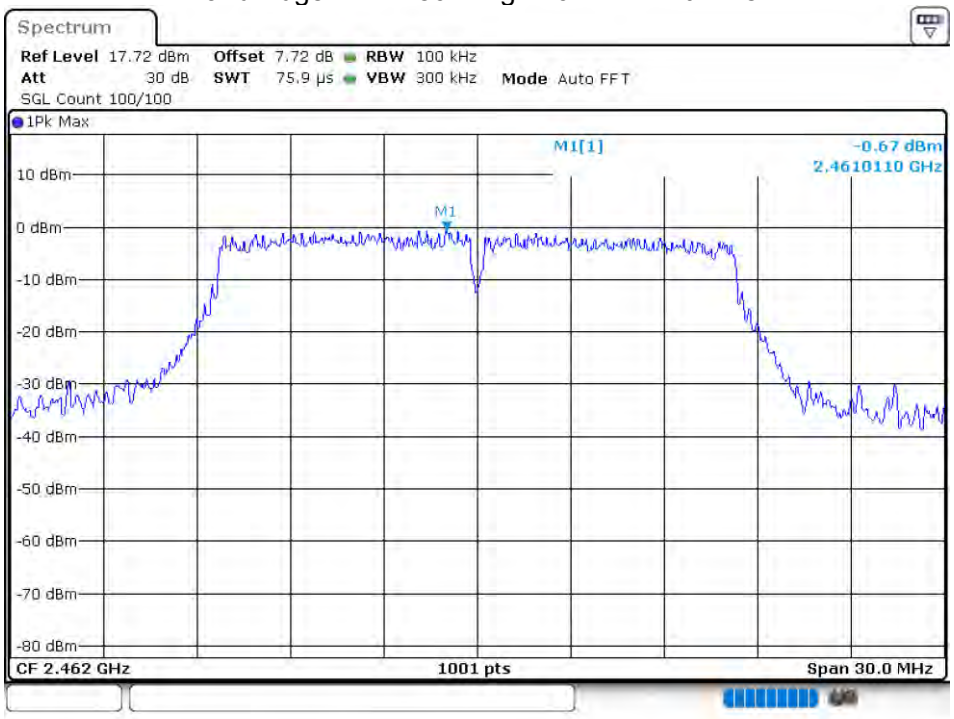
Band Edge NVNT 802.11g 2412MHz Ant 2 Ref



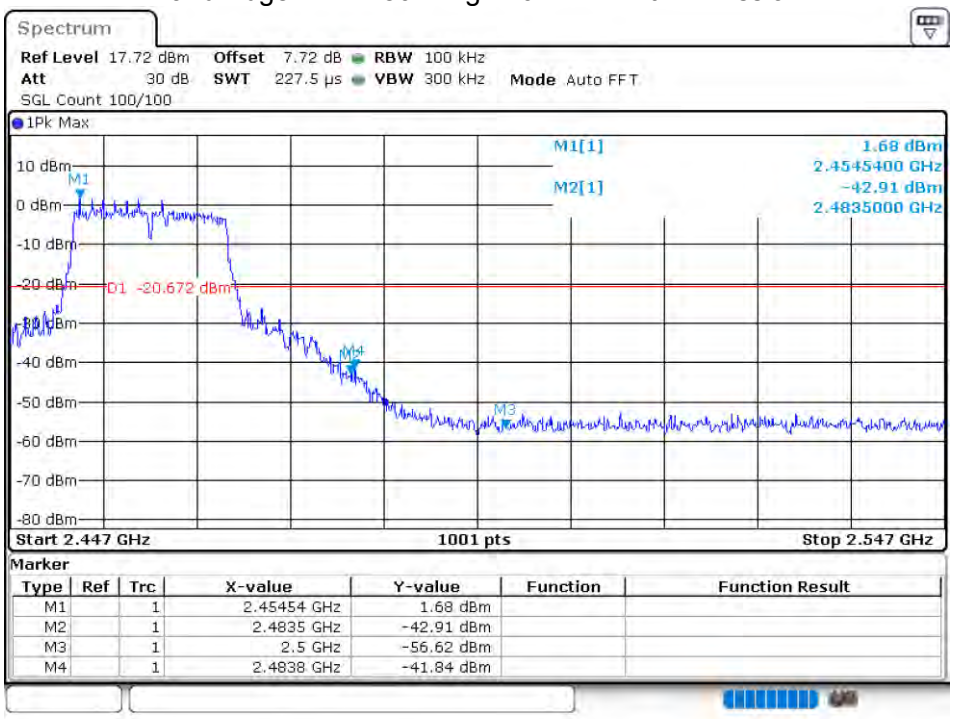
Band Edge NVNT 802.11g 2412MHz Ant 2 Emission



Band Edge NVNT 802.11g 2462MHz Ant 2 Ref



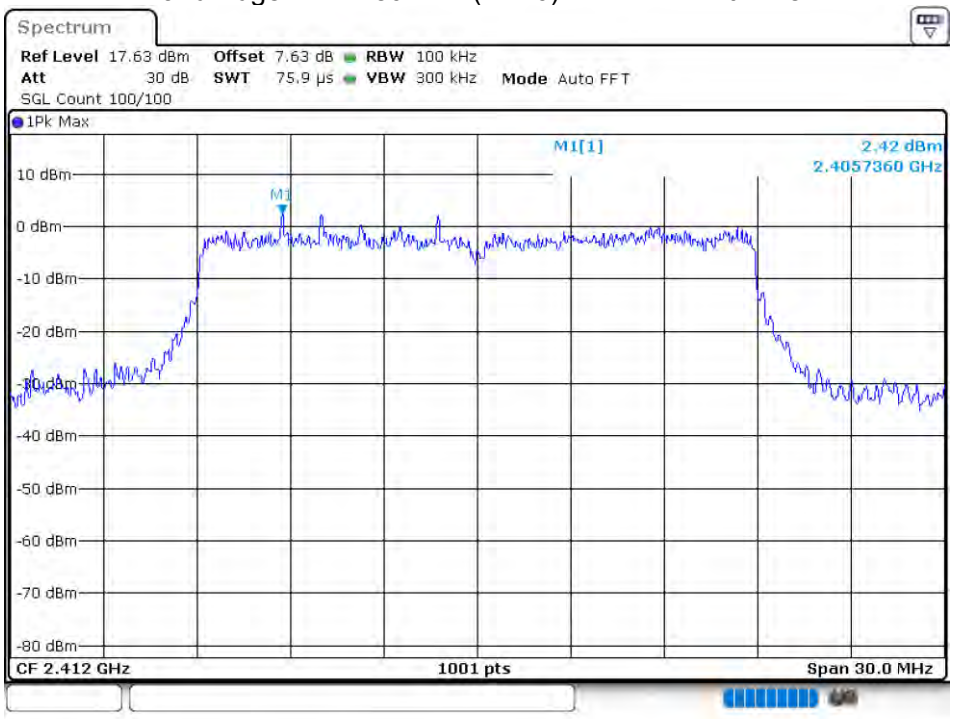
Band Edge NVNT 802.11g 2462MHz Ant 2 Emission



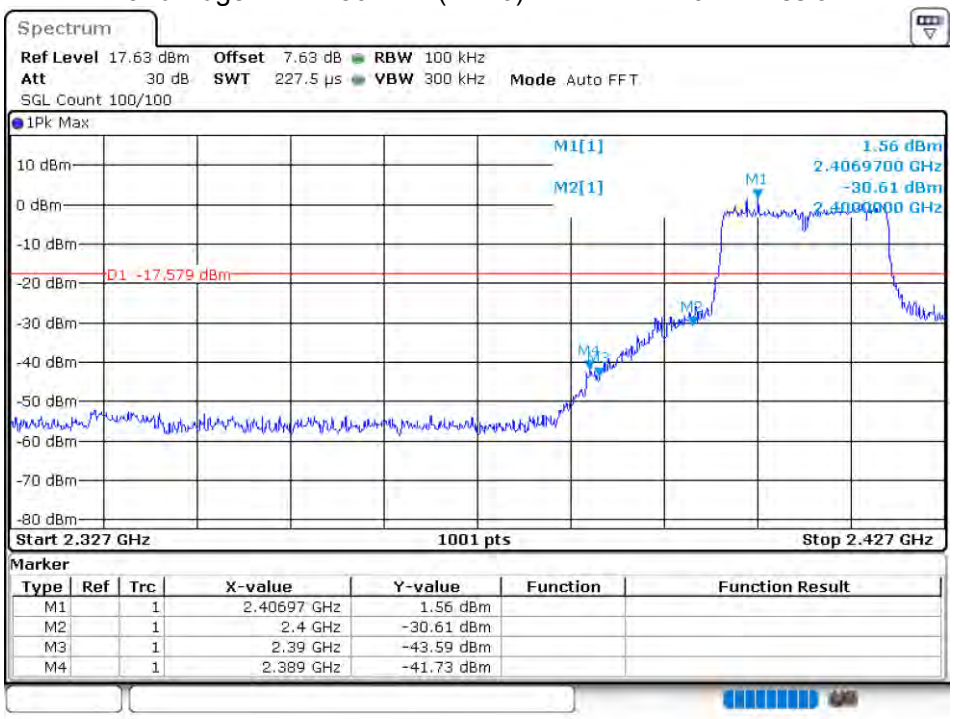
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45454 GHz	1.68 dBm		
M2		1	2.4835 GHz	-42.91 dBm		
M3		1	2.5 GHz	-56.62 dBm		
M4		1	2.4838 GHz	-41.84 dBm		

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



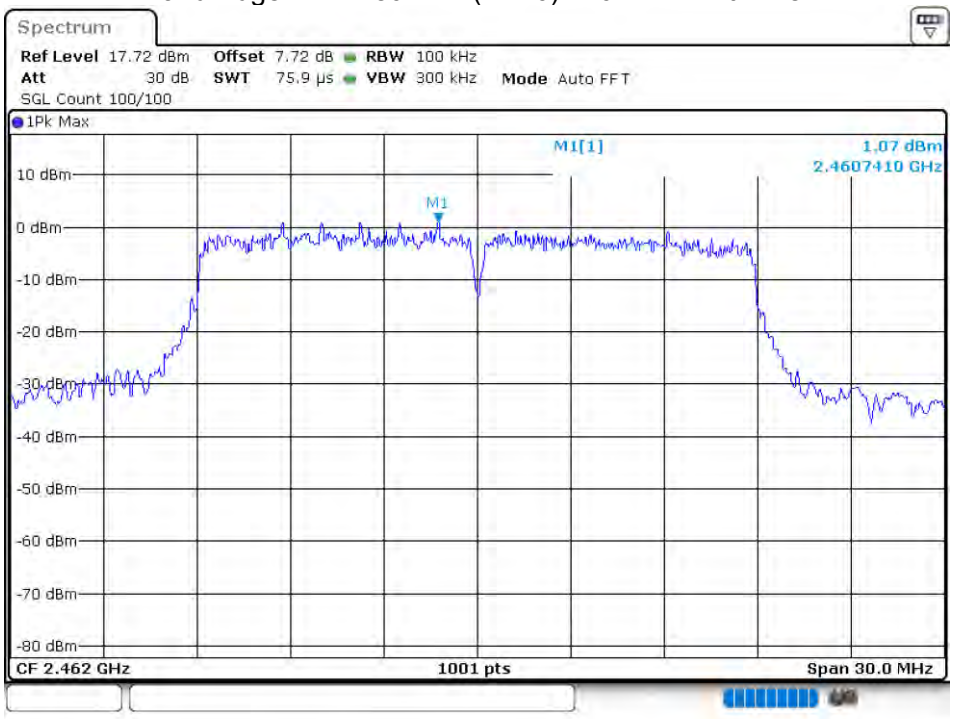
Band Edge NVNT 802.11n(HT20) 2412MHz Ant 1 Emission



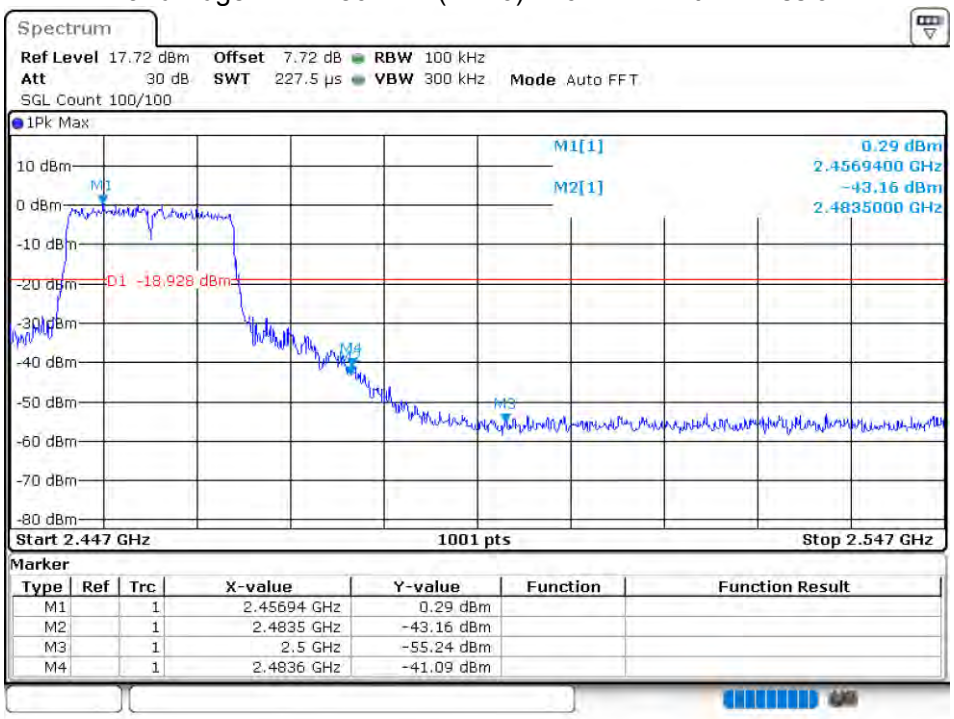
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40697 GHz	1.56 dBm		
M2		1	2.4 GHz	-30.61 dBm		
M3		1	2.39 GHz	-43.59 dBm		
M4		1	2.389 GHz	-41.73 dBm		

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



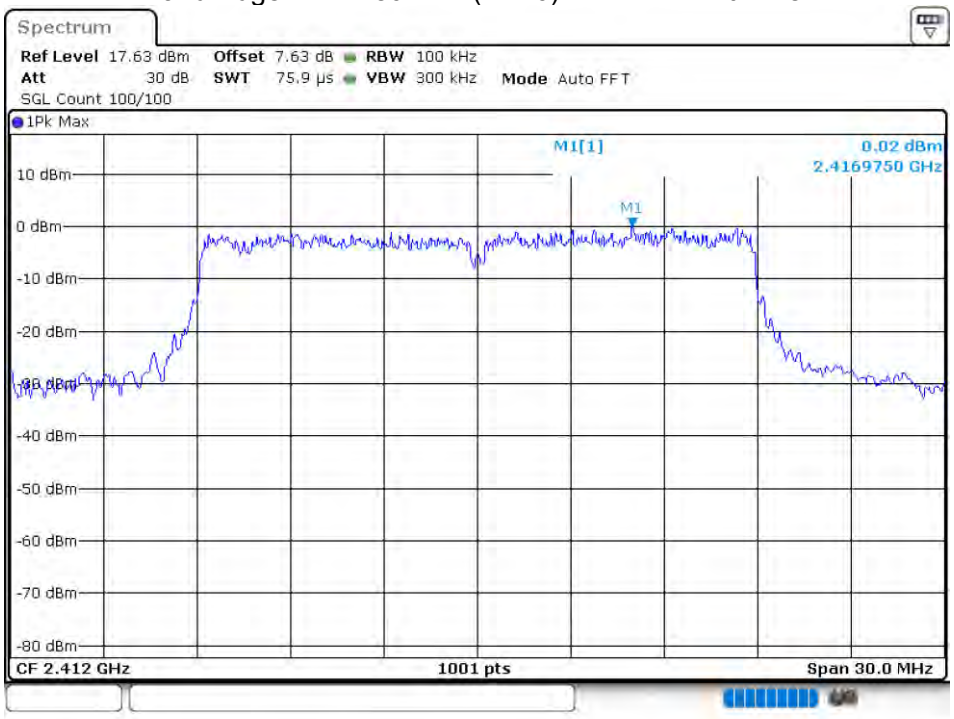
Band Edge NVNT 802.11n(HT20) 2462MHz Ant 1 Emission



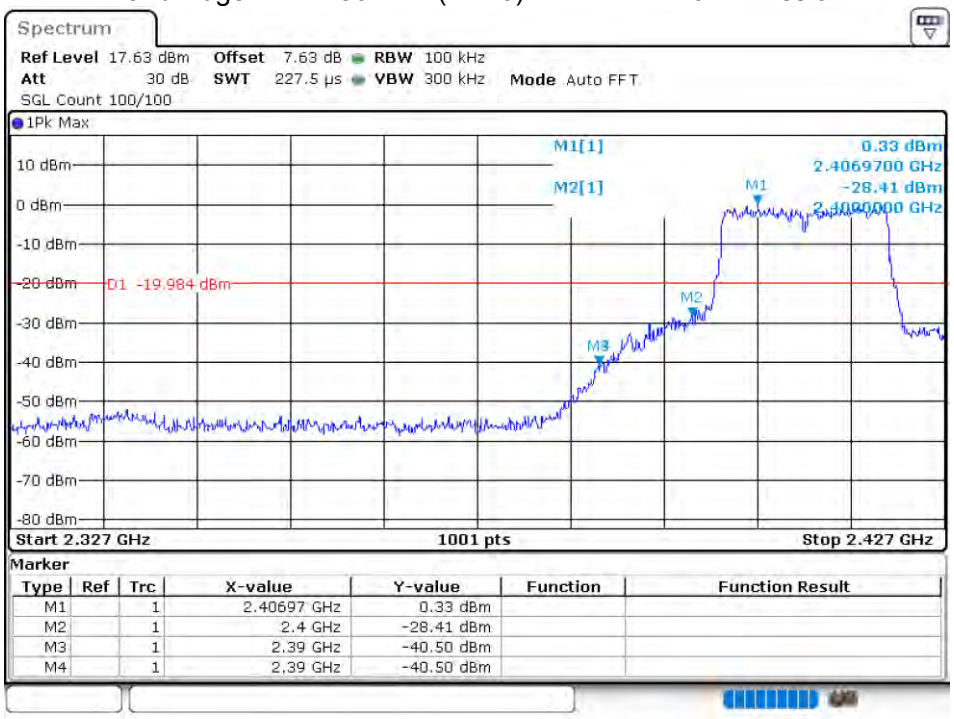
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45694 GHz	0.29 dBm		
M2		1	2.4835 GHz	-43.16 dBm		
M3		1	2.5 GHz	-55.24 dBm		
M4		1	2.4836 GHz	-41.09 dBm		

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



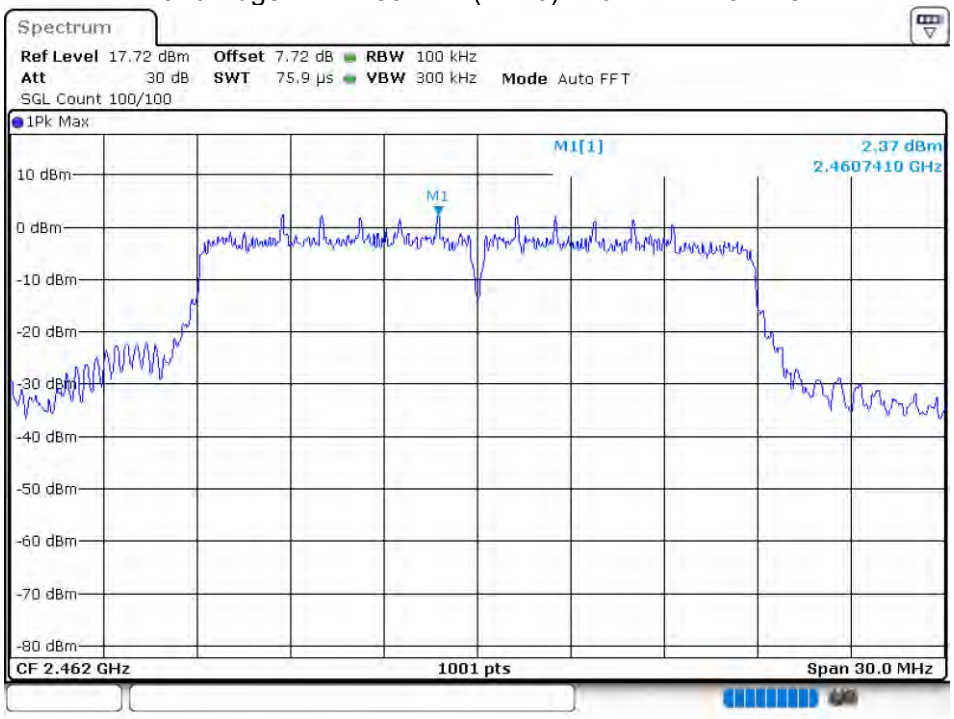
Band Edge NVNT 802.11n(HT20) 2412MHz Ant 2 Emission



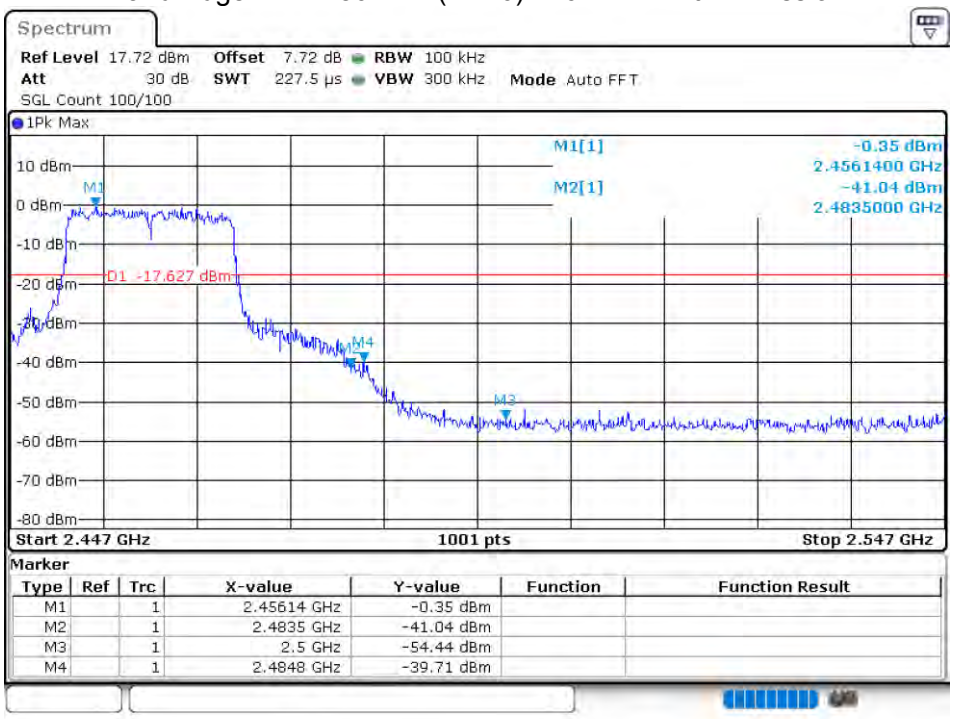
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40697 GHz	0.33 dBm		
M2		1	2.4 GHz	-28.41 dBm		
M3		1	2.39 GHz	-40.50 dBm		
M4		1	2.39 GHz	-40.50 dBm		

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



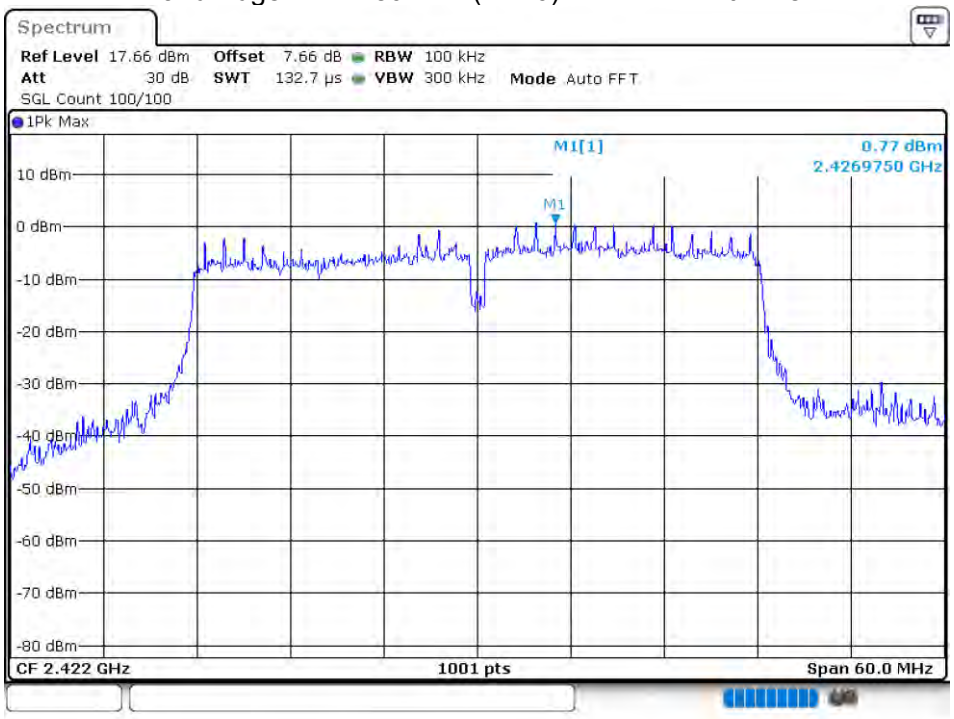
Band Edge NVNT 802.11n(HT20) 2462MHz Ant 2 Emission



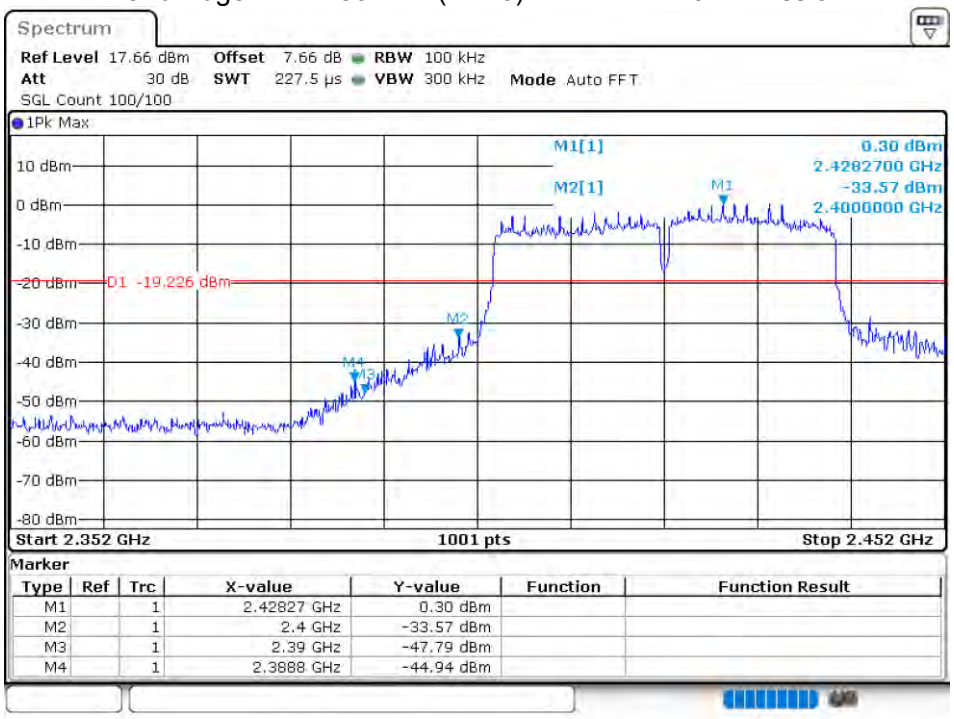
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45614 GHz	-0.35 dBm		
M2		1	2.4835 GHz	-41.04 dBm		
M3		1	2.5 GHz	-54.44 dBm		
M4		1	2.4848 GHz	-39.71 dBm		

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



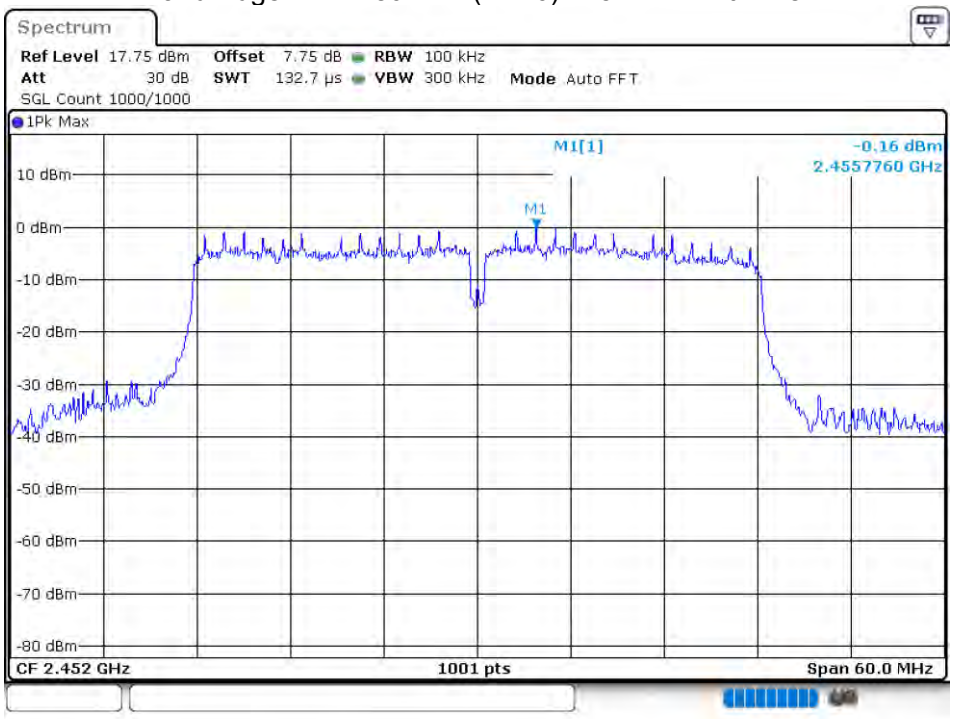
Band Edge NVNT 802.11n(HT40) 2422MHz Ant 1 Emission



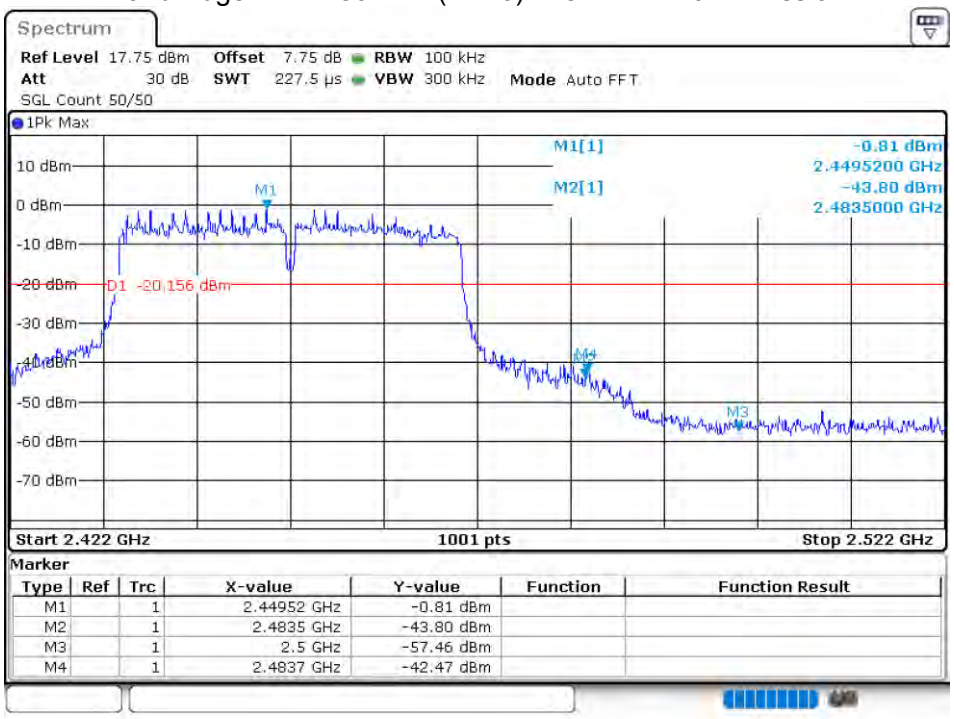
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42827 GHz	0.30 dBm		
M2		1	2.4 GHz	-33.57 dBm		
M3		1	2.39 GHz	-47.79 dBm		
M4		1	2.3888 GHz	-44.94 dBm		

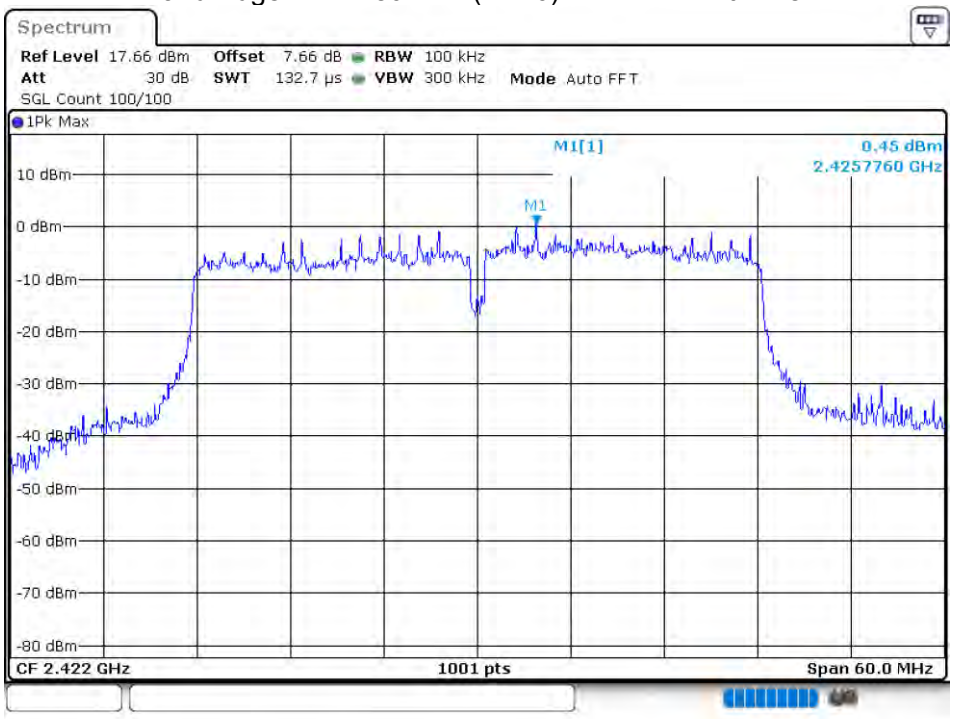
Band Edge NVNT 802.11n(HT40) 2452MHz Ant 1 Ref



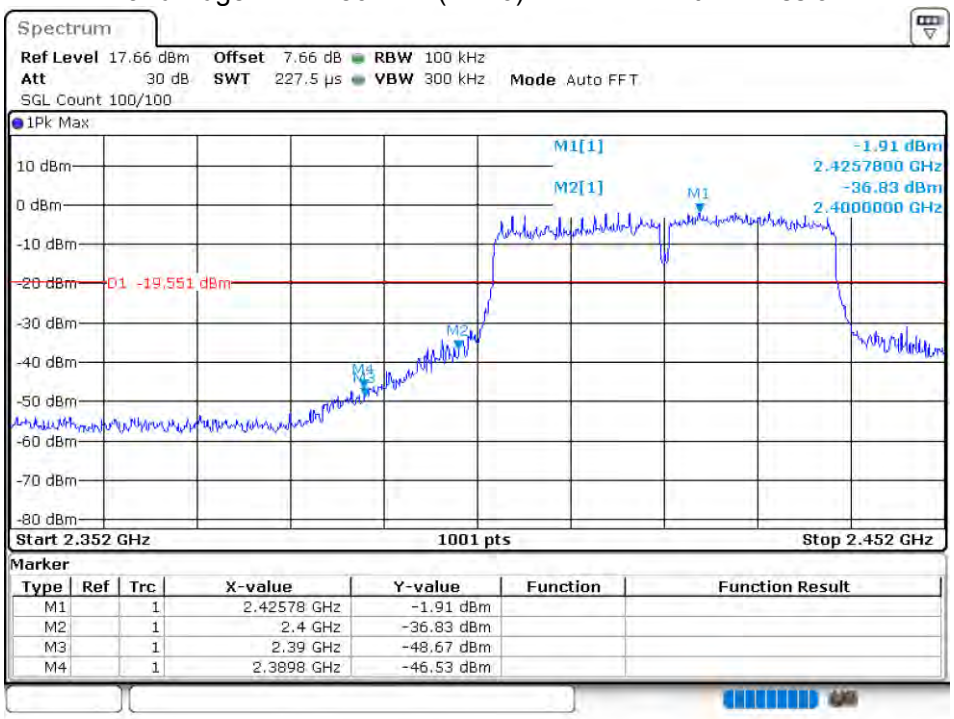
Band Edge NVNT 802.11n(HT40) 2452MHz Ant 1 Emission



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



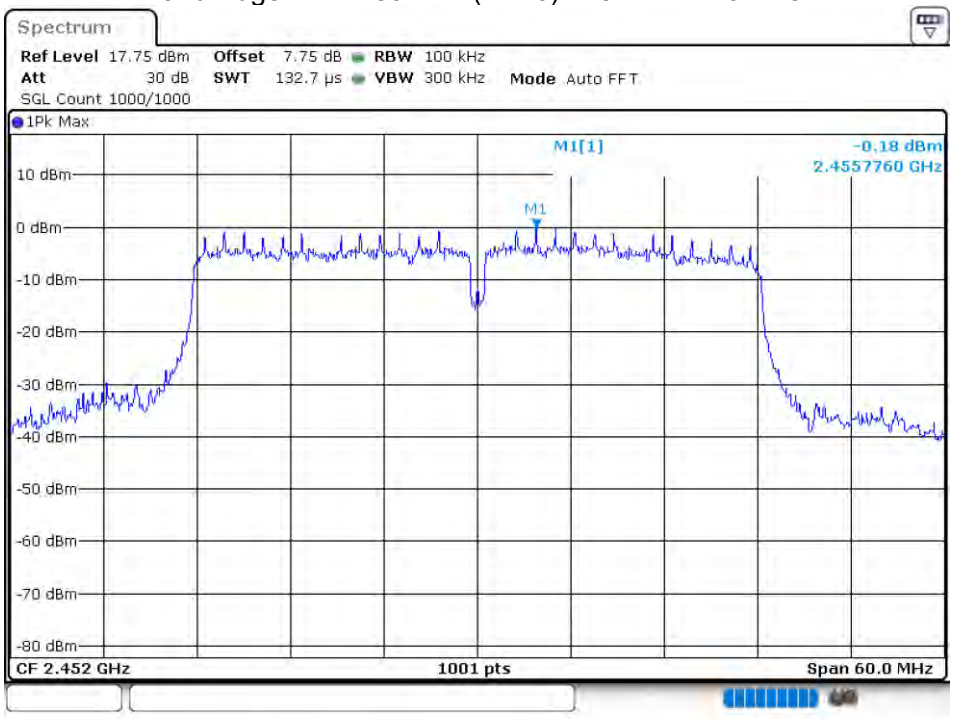
Band Edge NVNT 802.11n(HT40) 2422MHz Ant 2 Emission



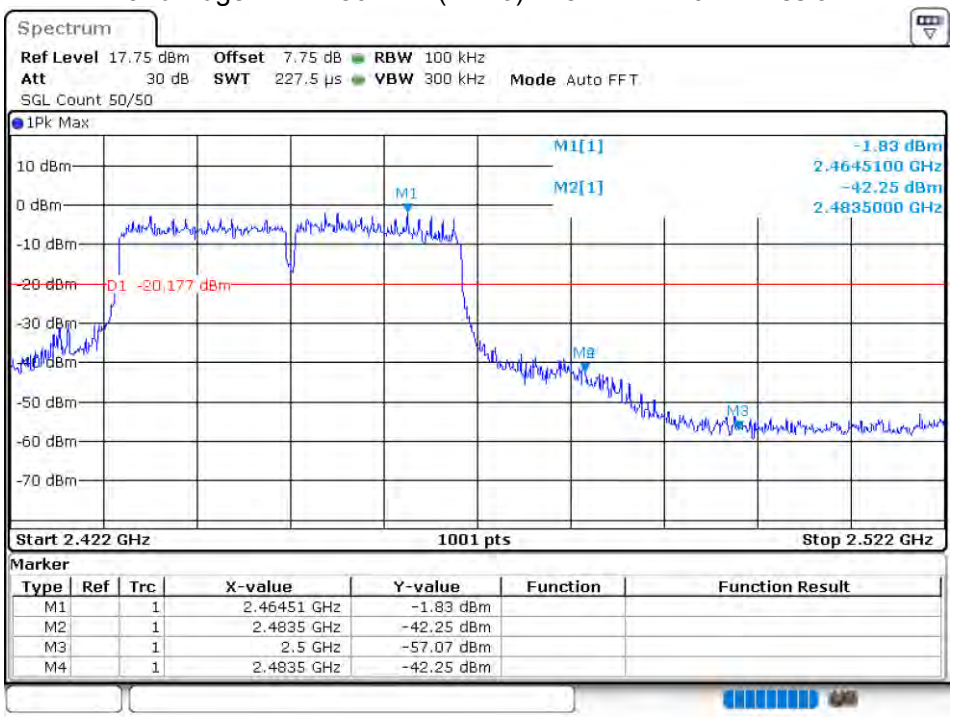
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42578 GHz	-1.91 dBm		
M2		1	2.4 GHz	-36.83 dBm		
M3		1	2.39 GHz	-48.67 dBm		
M4		1	2.3898 GHz	-46.53 dBm		

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



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



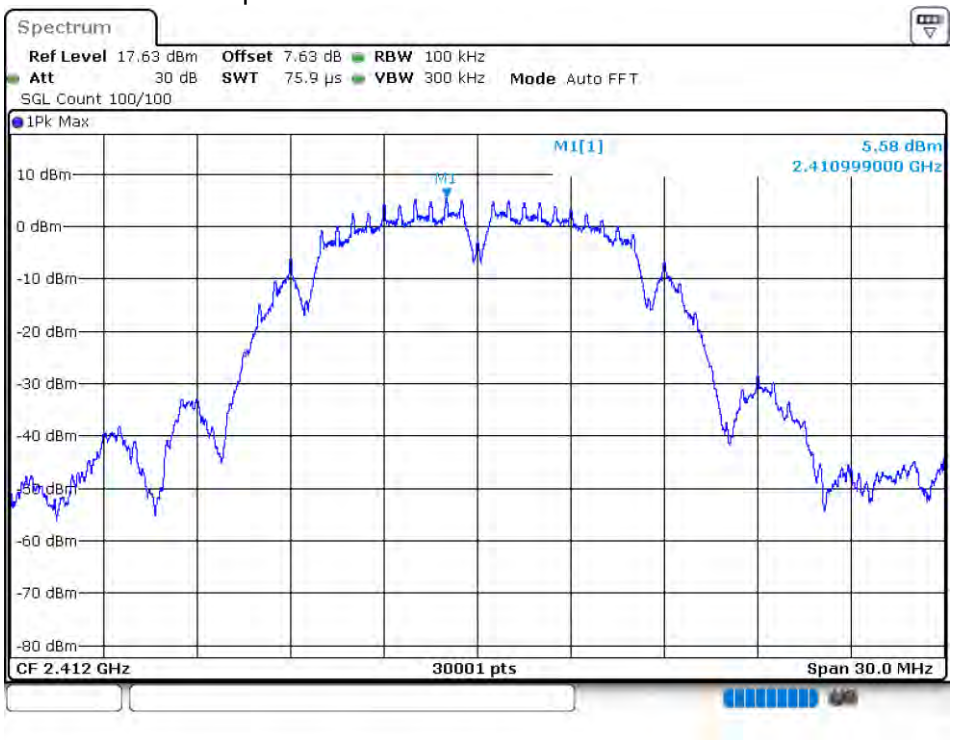
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46451 GHz	-1.83 dBm		
M2		1	2.4835 GHz	-42.25 dBm		
M3		1	2.5 GHz	-57.07 dBm		
M4		1	2.4835 GHz	-42.25 dBm		

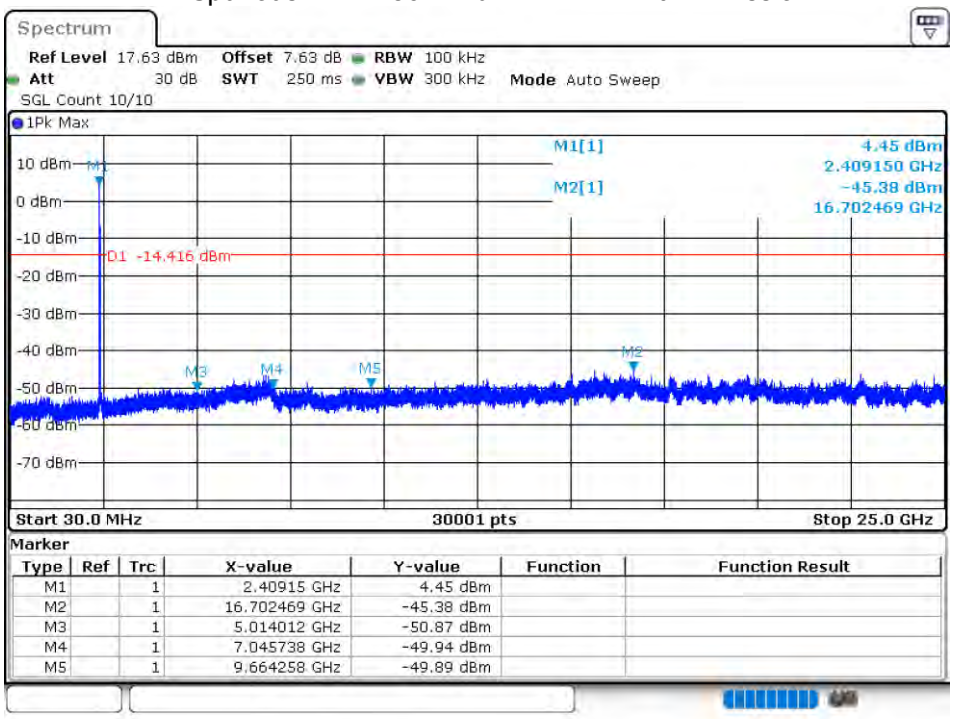
8.6 **CONDUCTED RF SPURIOUS EMISSION**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-50.96	-20	Pass
NVNT	802.11b	2437	Ant 1	-50.77	-20	Pass
NVNT	802.11b	2462	Ant 1	-52.44	-20	Pass
NVNT	802.11b	2412	Ant 2	-49.73	-20	Pass
NVNT	802.11b	2437	Ant 2	-51.81	-20	Pass
NVNT	802.11b	2462	Ant 2	-52.12	-20	Pass
NVNT	802.11g	2412	Ant 1	-47.08	-20	Pass
NVNT	802.11g	2437	Ant 1	-46.93	-20	Pass
NVNT	802.11g	2462	Ant 1	-44.97	-20	Pass
NVNT	802.11g	2412	Ant 2	-47.68	-20	Pass
NVNT	802.11g	2437	Ant 2	-45.89	-20	Pass
NVNT	802.11g	2462	Ant 2	-48.01	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-47.88	-20	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-48.01	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-47.61	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 2	-46.33	-20	Pass
NVNT	802.11n(HT20)	2437	Ant 2	-48.58	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 2	-45.14	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 1	-46.78	-20	Pass
NVNT	802.11n(HT40)	2437	Ant 1	-46.11	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 1	-45.59	-20	Pass
NVNT	802.11n(HT40)	2422	Ant 2	-46.02	-20	Pass
NVNT	802.11n(HT40)	2437	Ant 2	-45.3	-20	Pass
NVNT	802.11n(HT40)	2452	Ant 2	-45.38	-20	Pass

Tx. Spurious NVNT 802.11b 2412MHz Ant 1 Ref



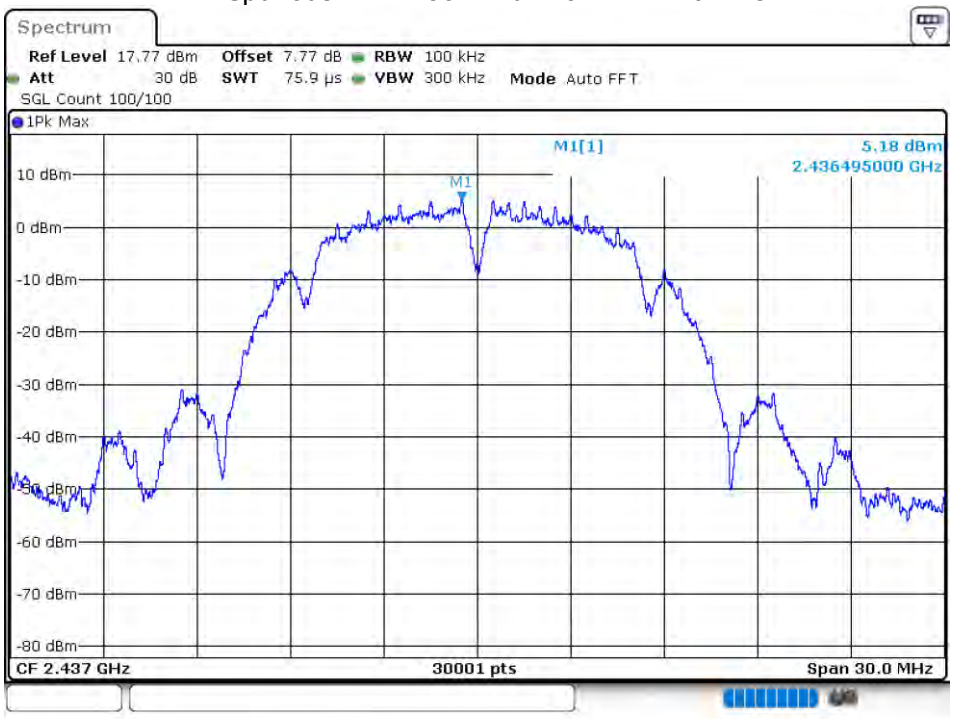
Tx. Spurious NVNT 802.11b 2412MHz Ant 1 Emission



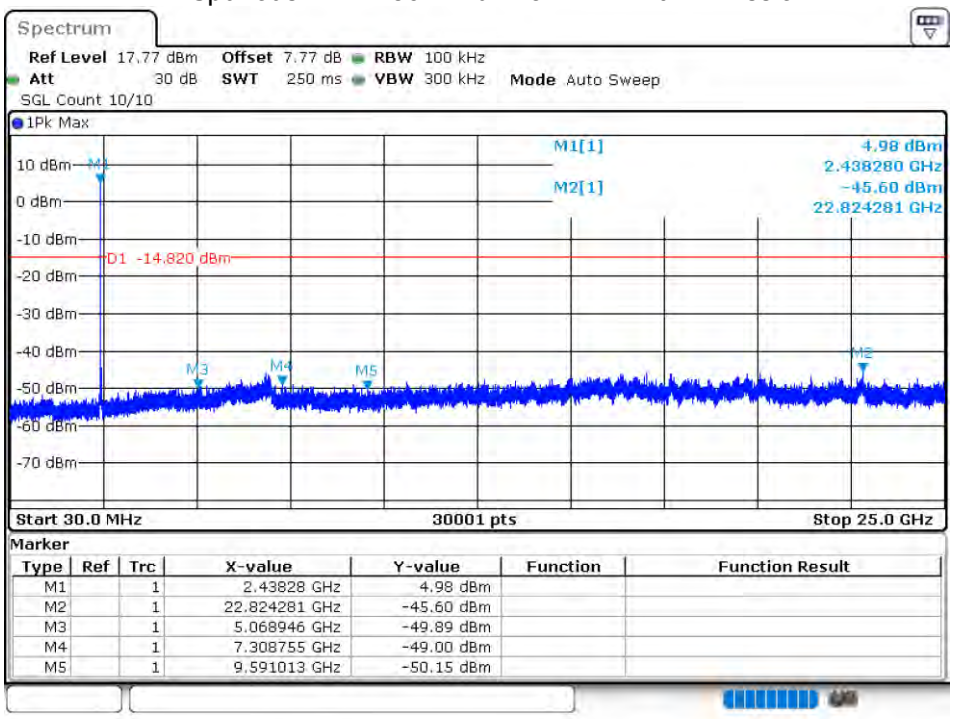
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40915 GHz	4.45 dBm		
M2		1	16.702469 GHz	-45.38 dBm		
M3		1	5.014012 GHz	-50.87 dBm		
M4		1	7.045738 GHz	-49.94 dBm		
M5		1	9.664258 GHz	-49.89 dBm		

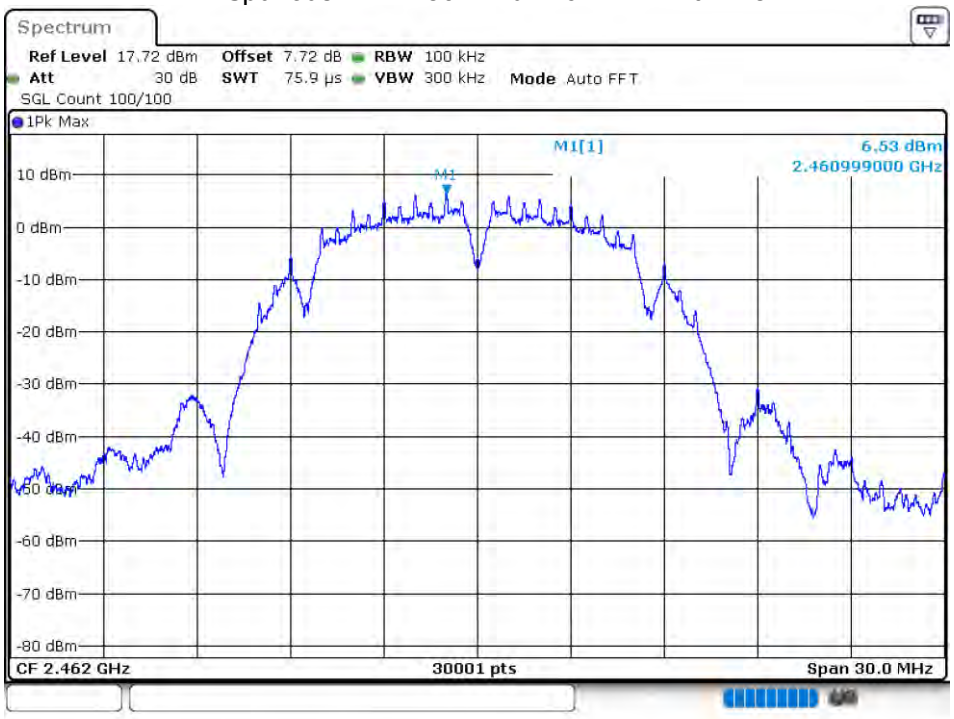
Tx. Spurious NVNT 802.11b 2437MHz Ant 1 Ref



Tx. Spurious NVNT 802.11b 2437MHz Ant 1 Emission



Tx. Spurious NVNT 802.11b 2462MHz Ant 1 Ref



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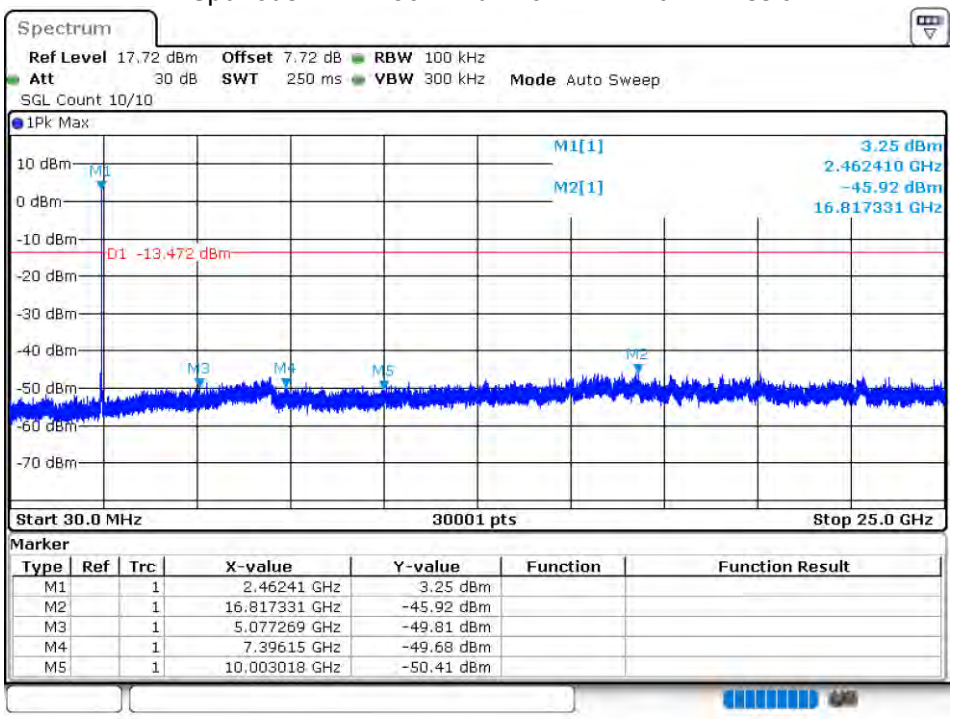

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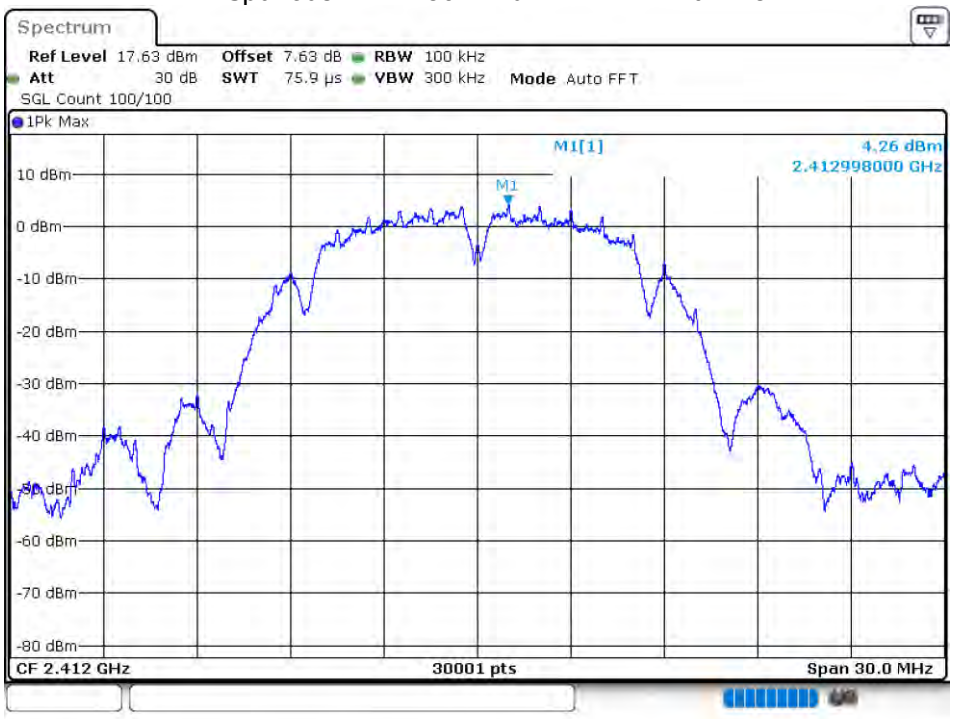
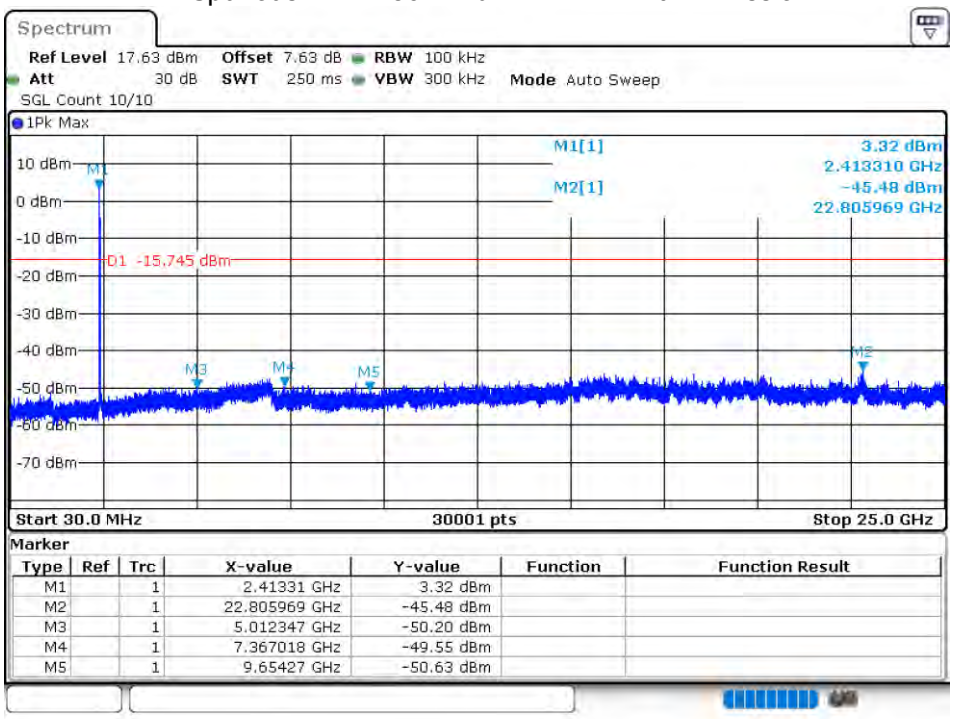


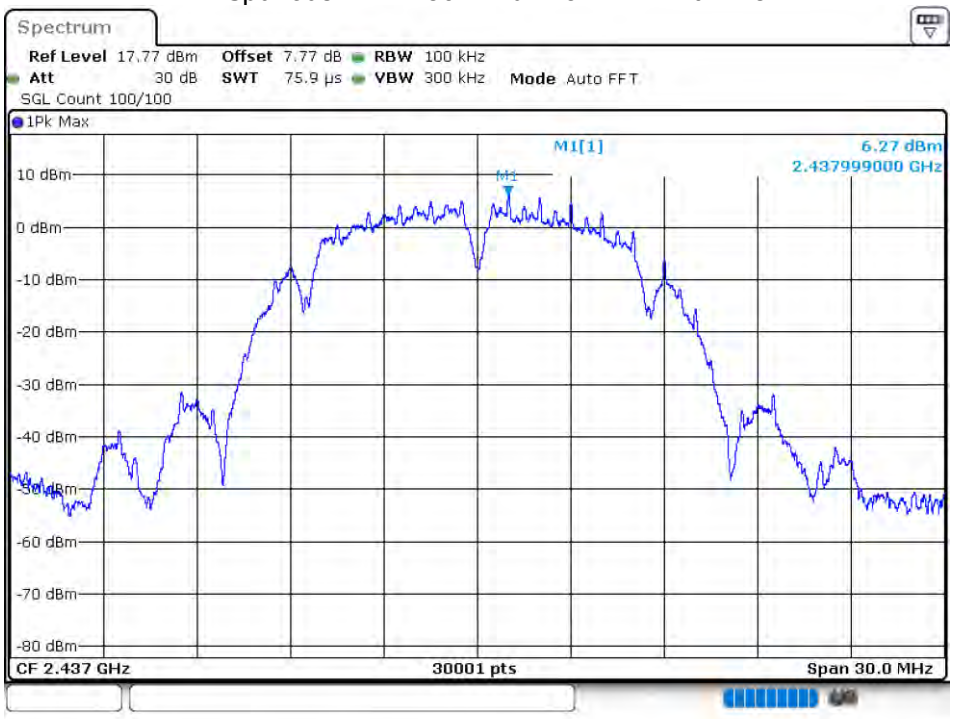
Tx. Spurious NVNT 802.11b 2412MHz Ant 2 Emission



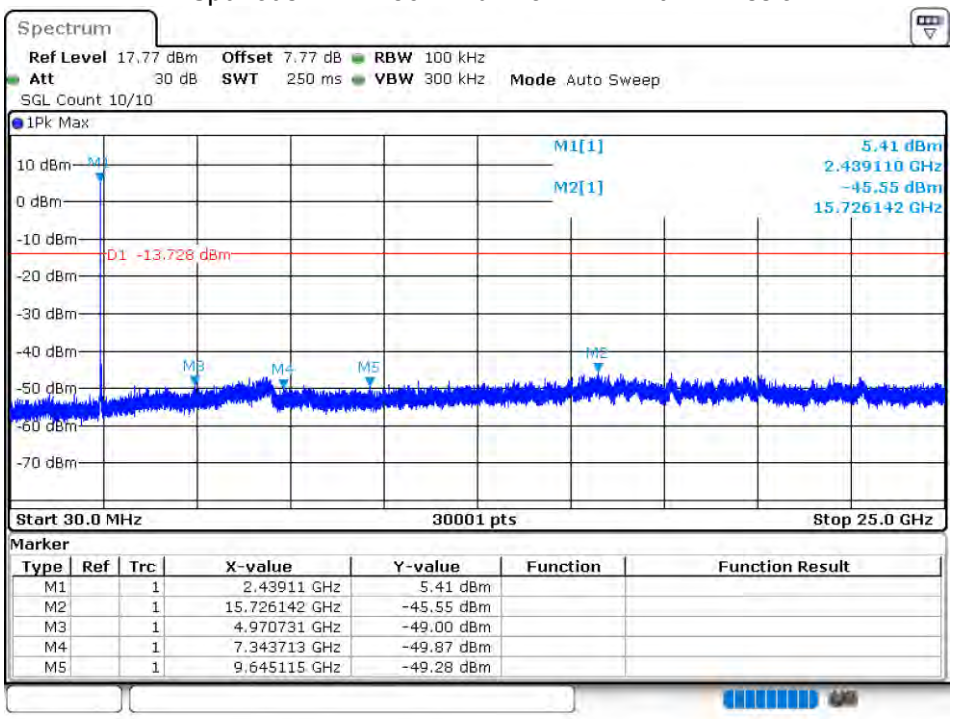
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41331 GHz	3.32 dBm		
M2		1	22.805969 GHz	-45.48 dBm		
M3		1	5.012347 GHz	-50.20 dBm		
M4		1	7.367018 GHz	-49.55 dBm		
M5		1	9.65427 GHz	-50.63 dBm		

Tx. Spurious NVNT 802.11b 2437MHz Ant 2 Ref



Tx. Spurious NVNT 802.11b 2437MHz Ant 2 Emission



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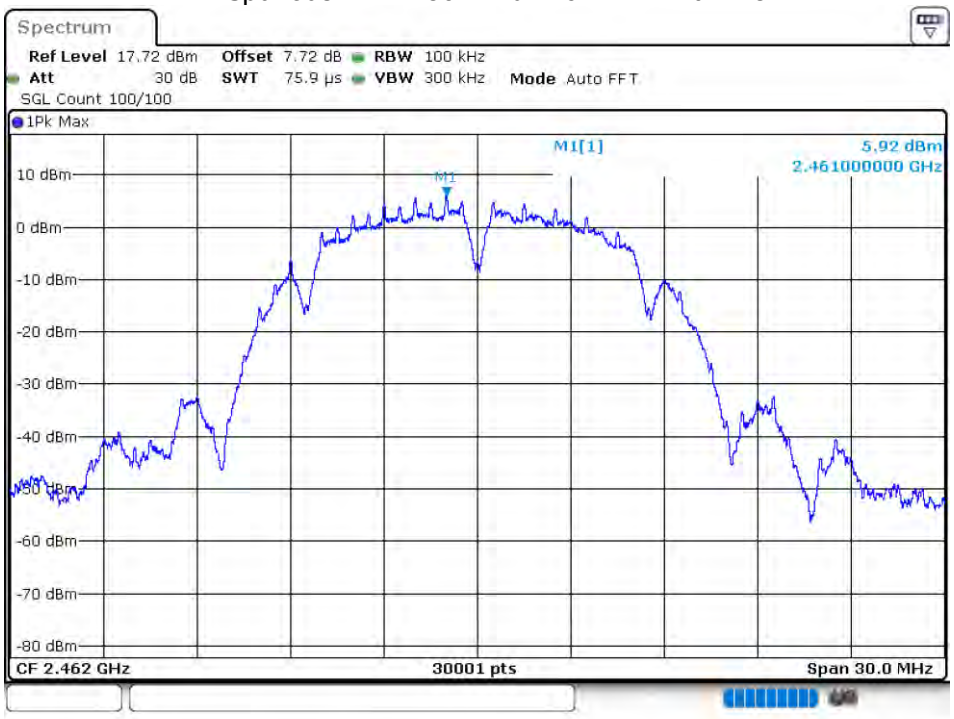

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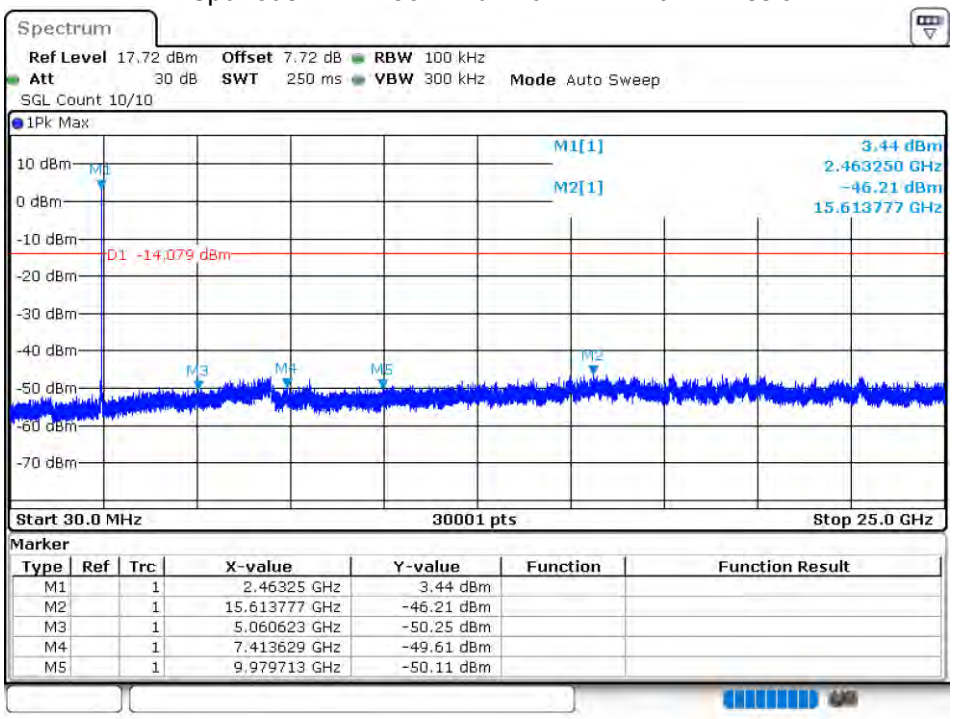
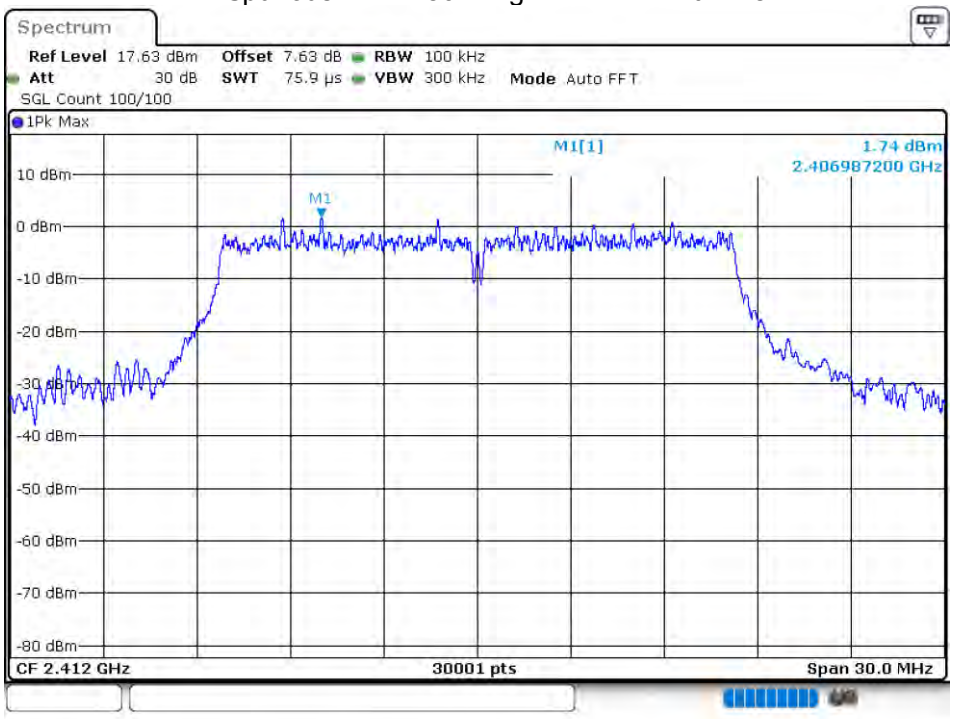


Tx. Spurious NVNT 802.11g 2412MHz Ant 1 Ref



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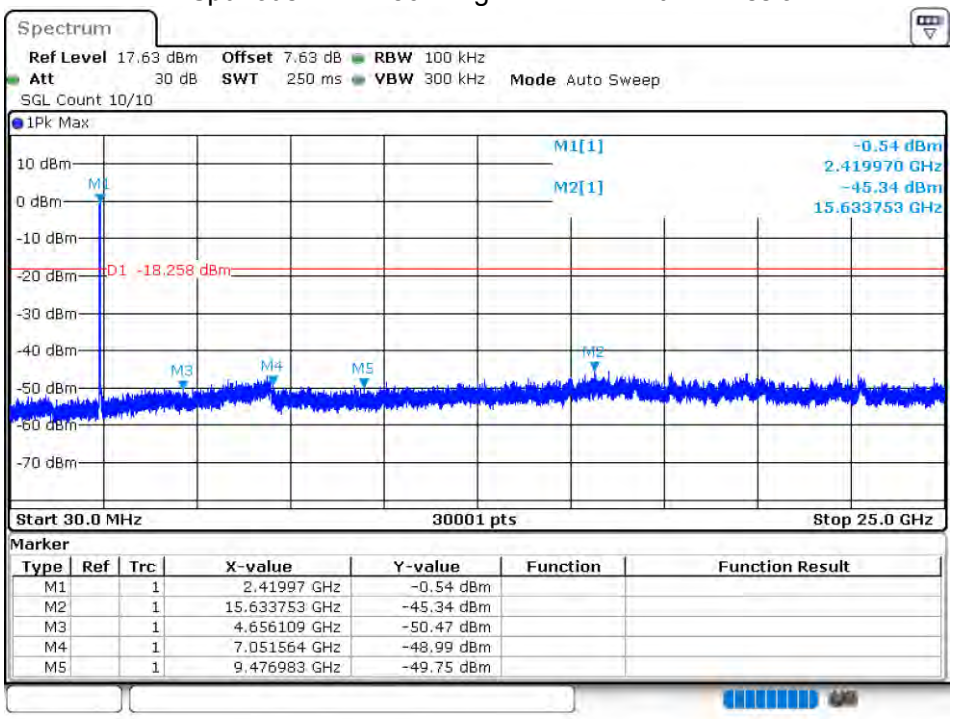
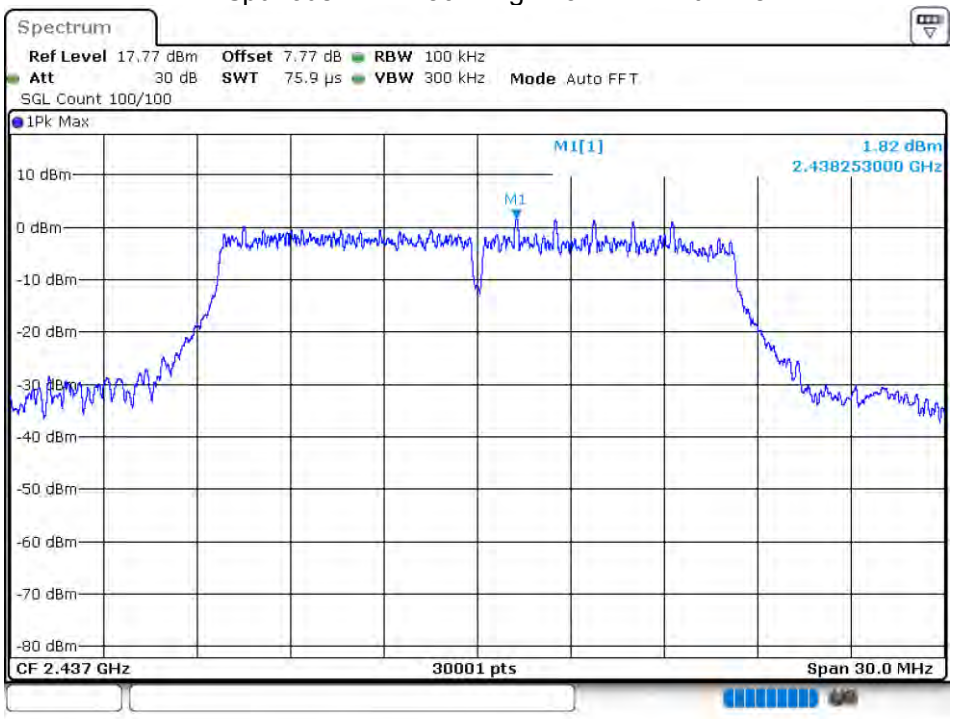
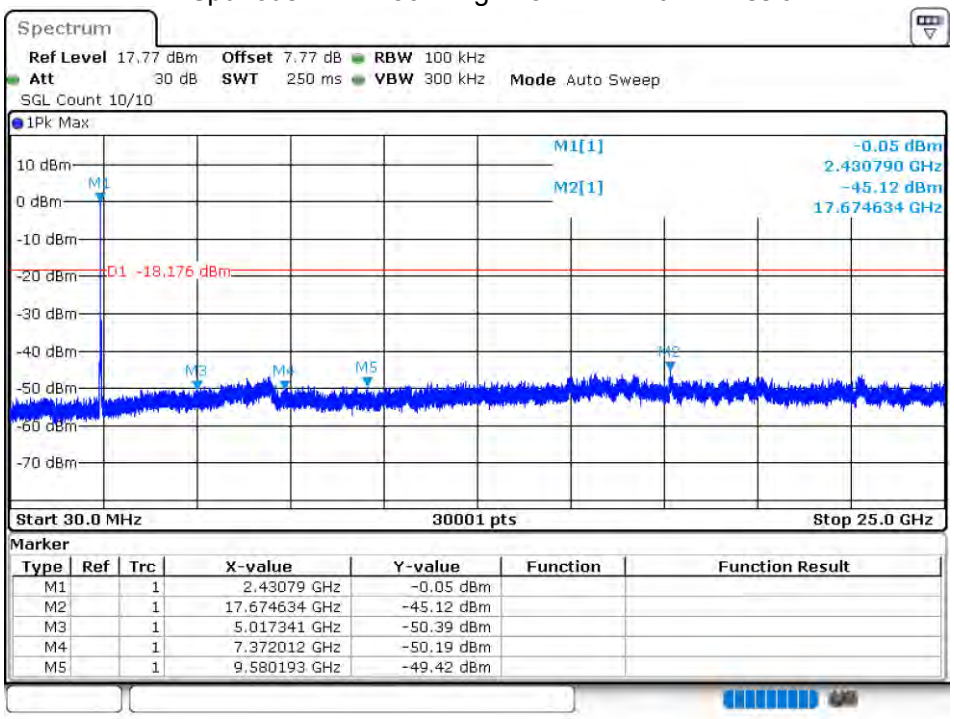


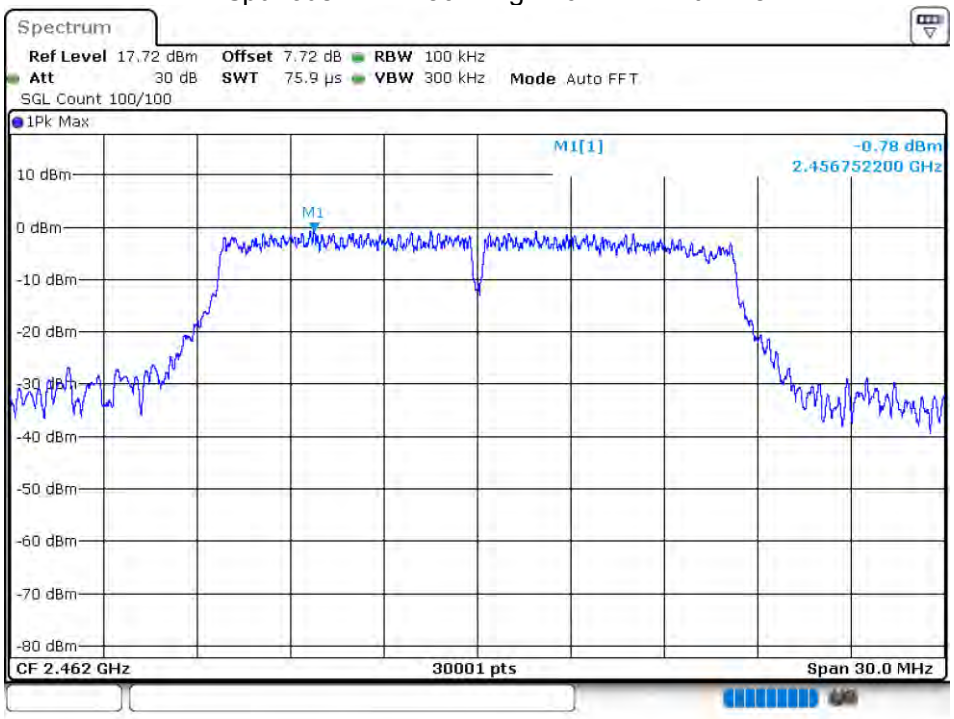
Tx. Spurious NVNT 802.11g 2437MHz Ant 1 Ref



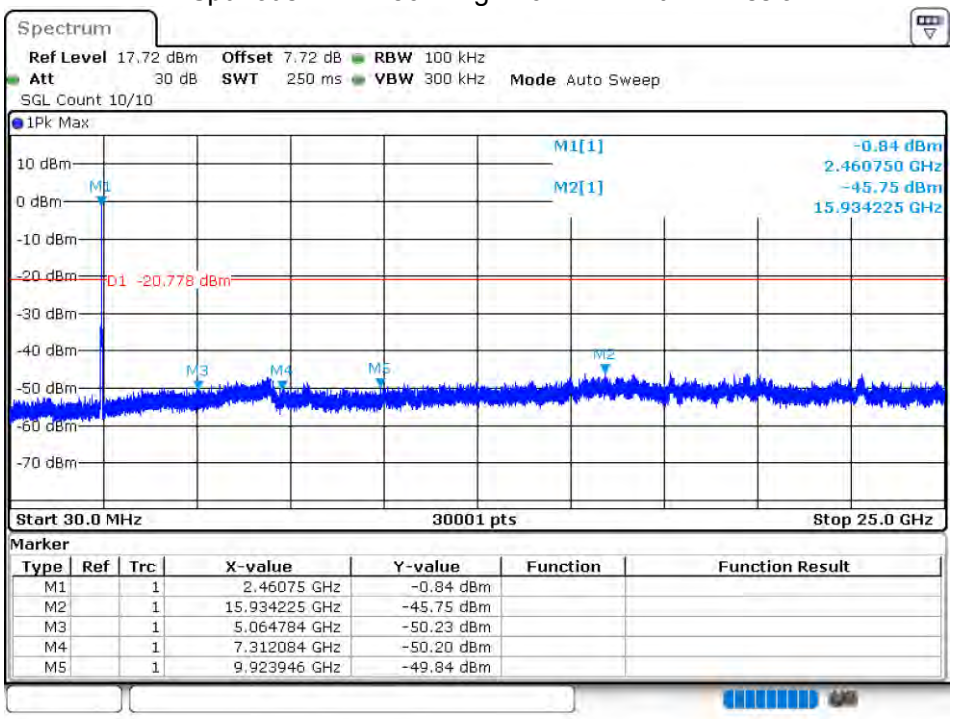
Tx. Spurious NVNT 802.11g 2437MHz Ant 1 Emission



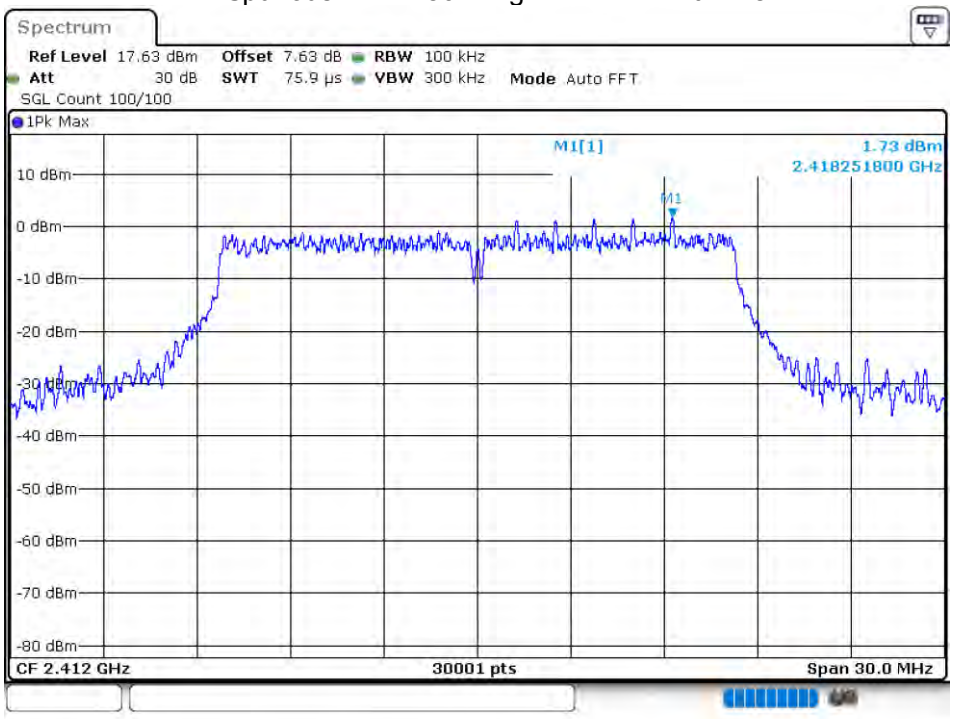
Tx. Spurious NVNT 802.11g 2462MHz Ant 1 Ref



Tx. Spurious NVNT 802.11g 2462MHz Ant 1 Emission



Tx. Spurious NVNT 802.11g 2412MHz Ant 2 Ref



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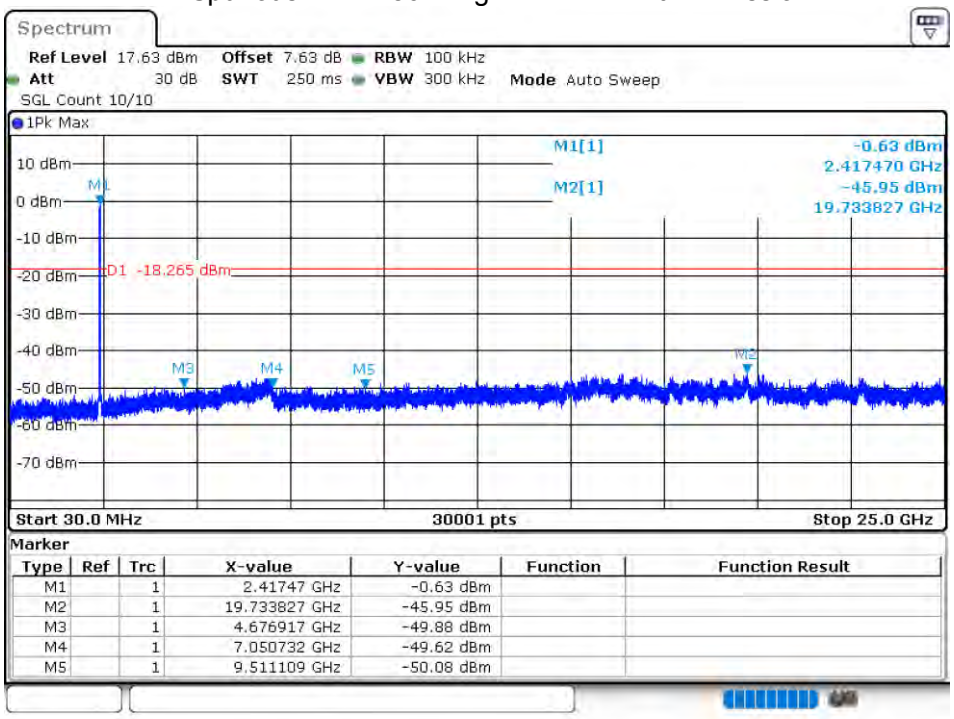

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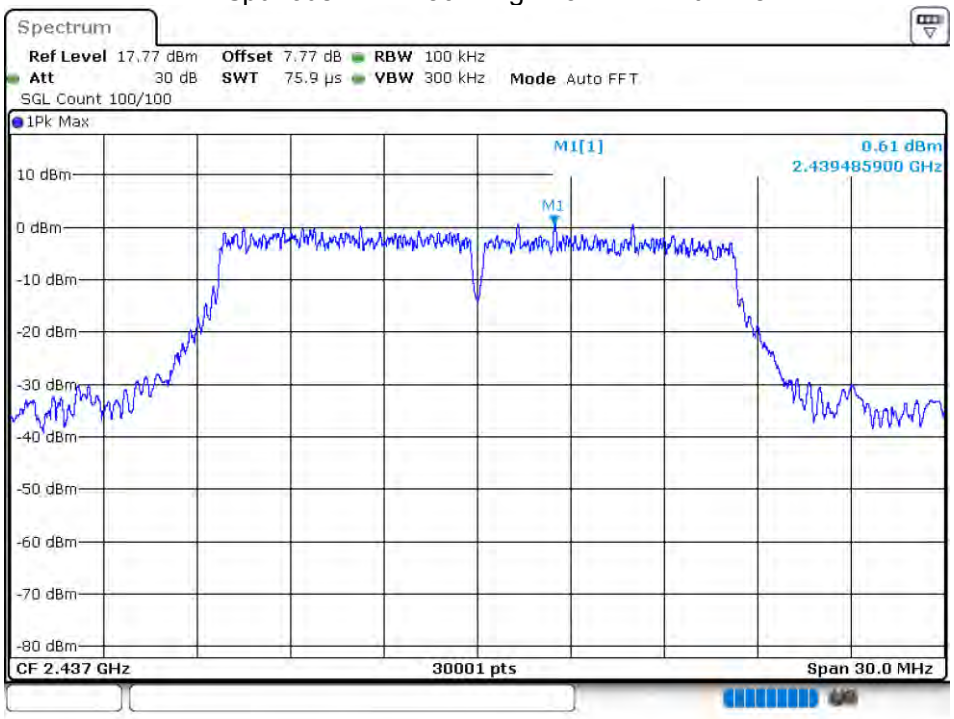

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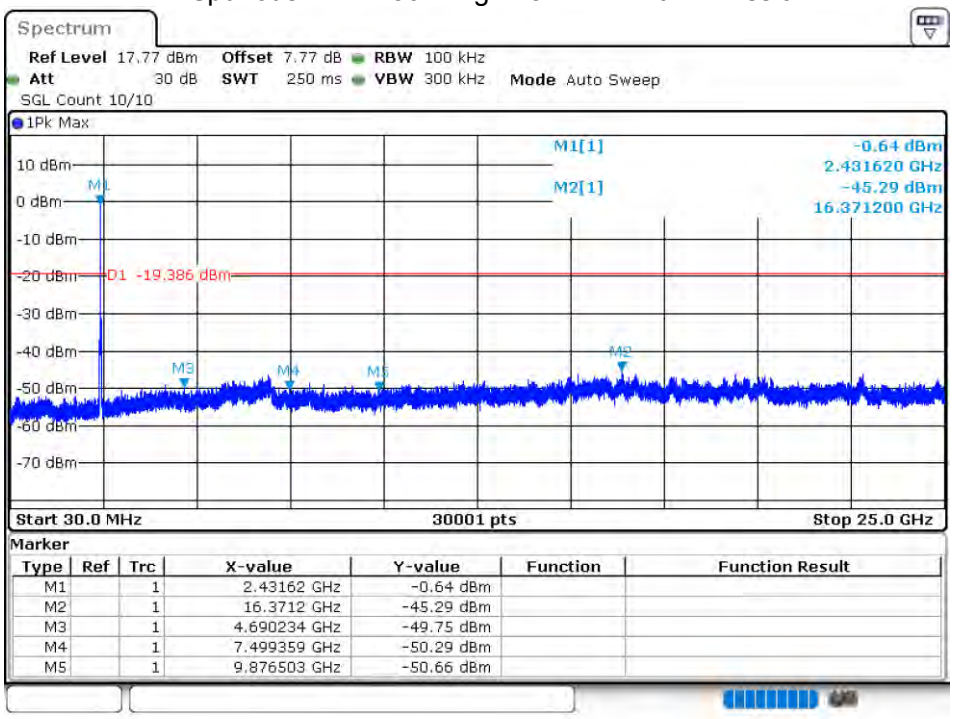

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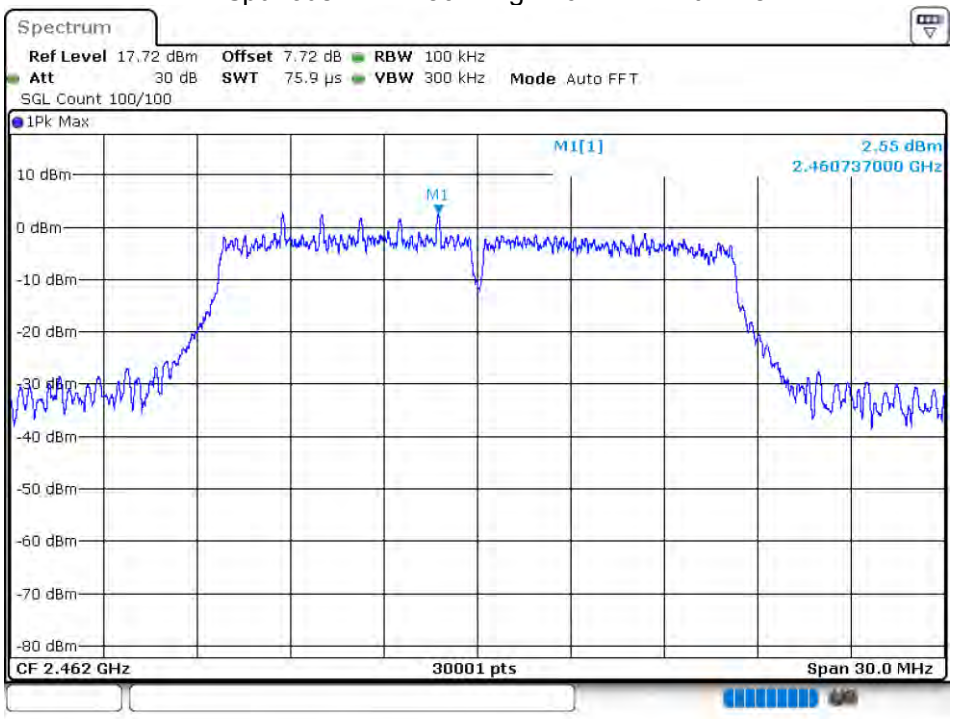

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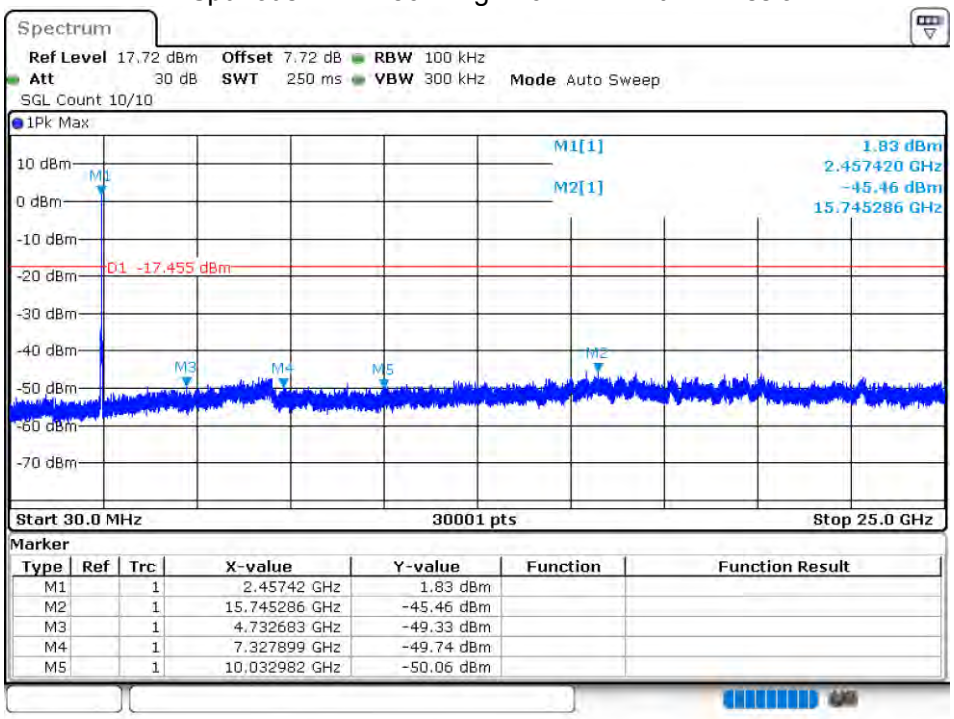
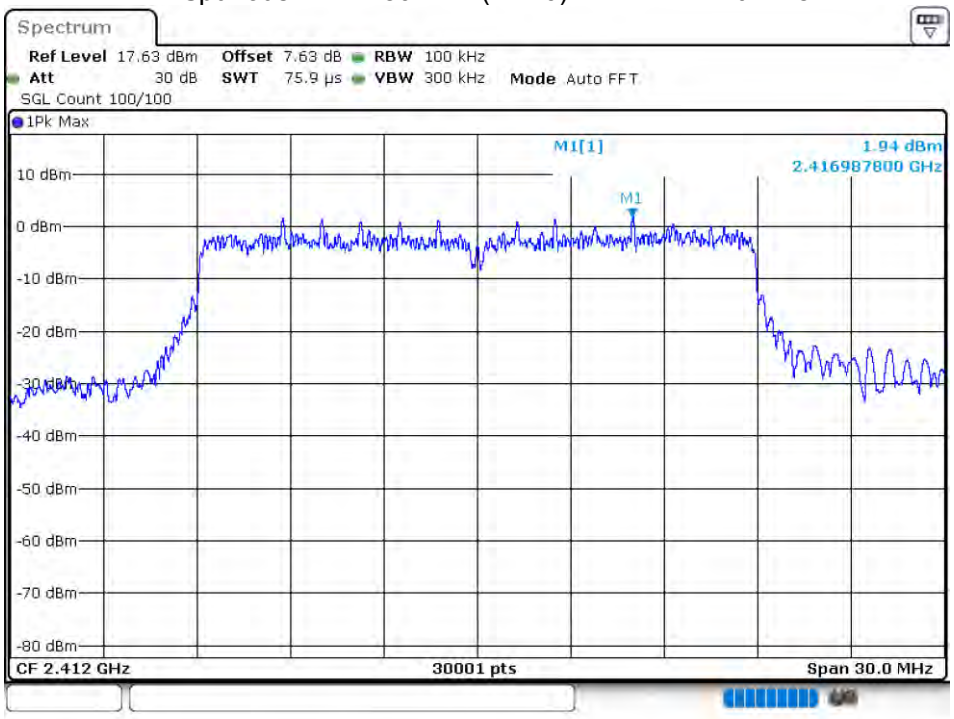


Tx. Spurious NVNT 802.11n(HT20) 2412MHz Ant 1 Ref



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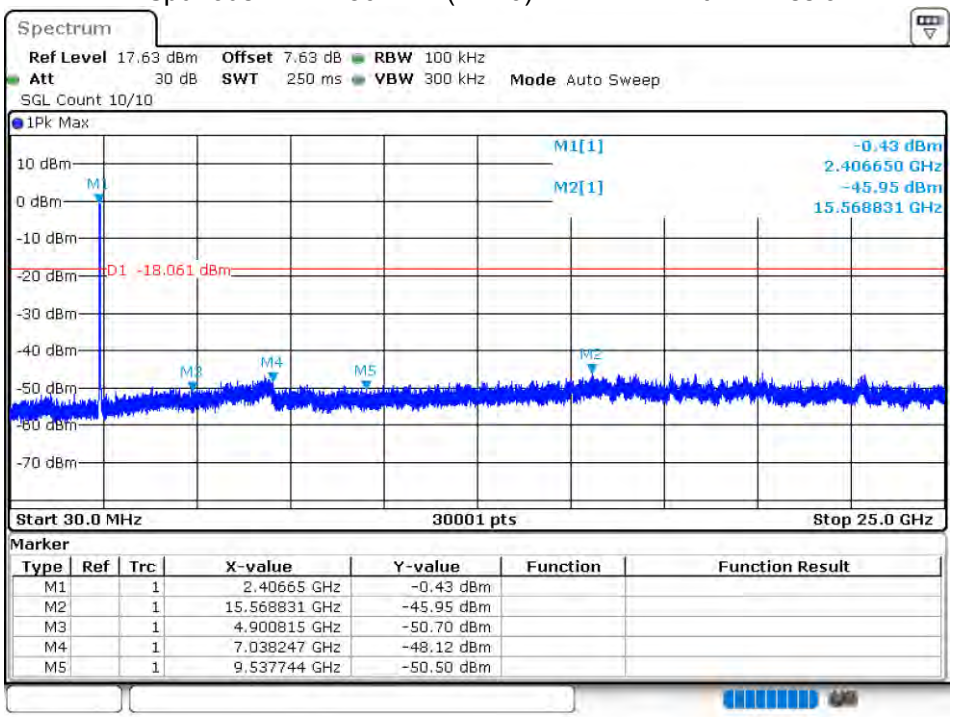

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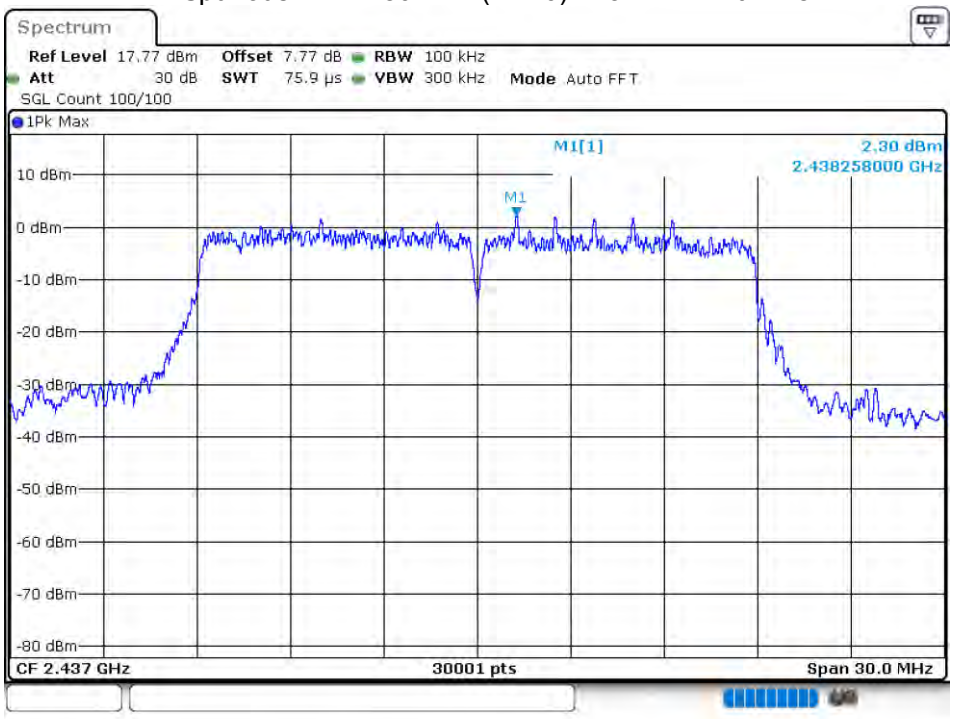

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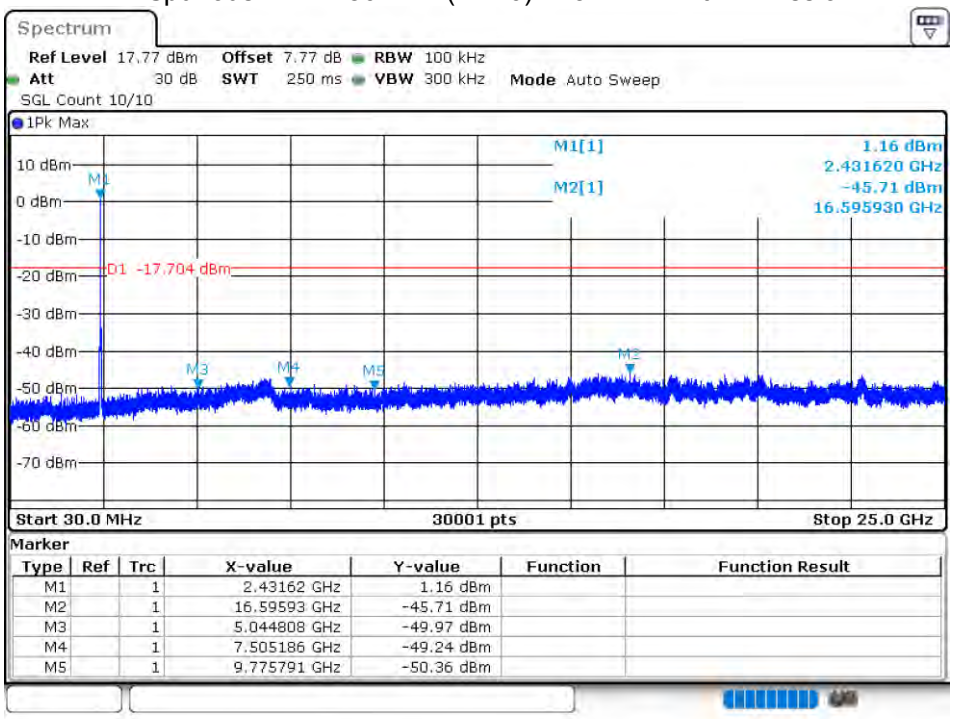

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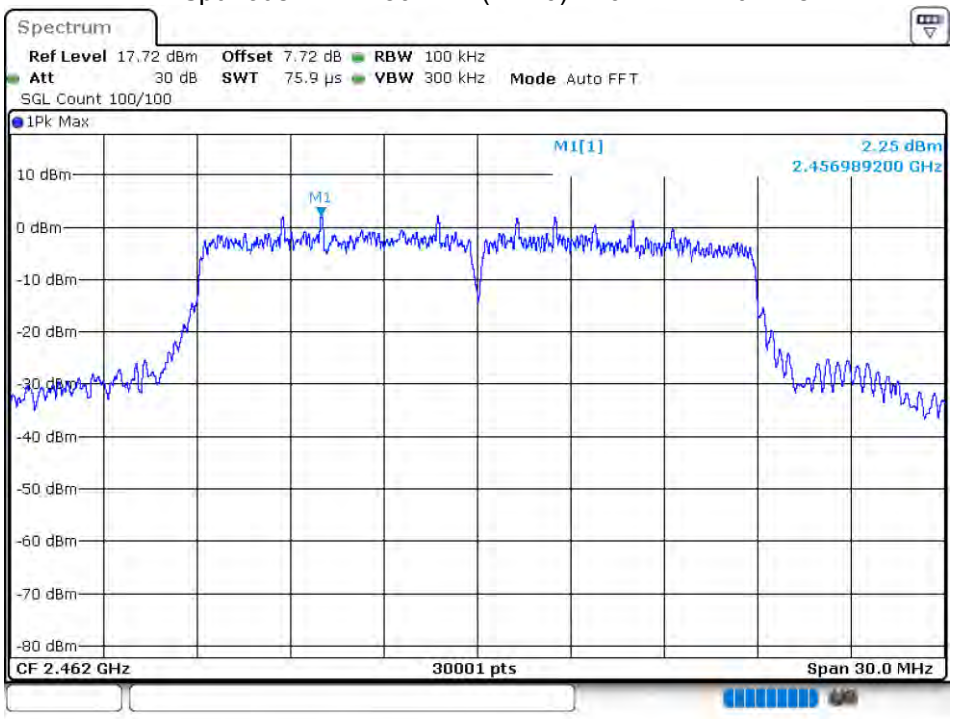

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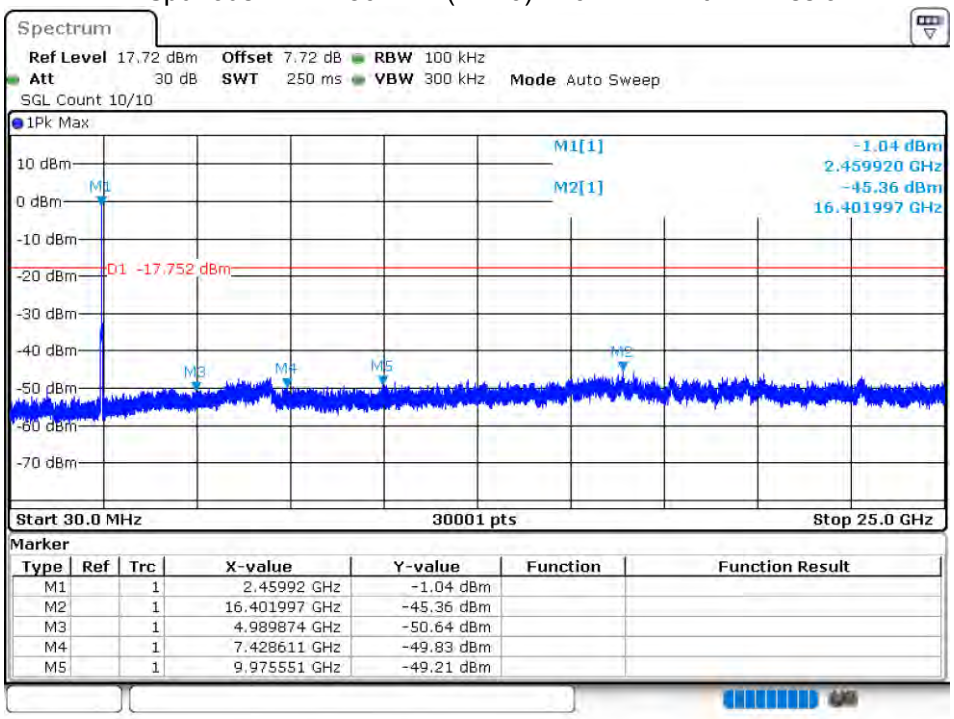

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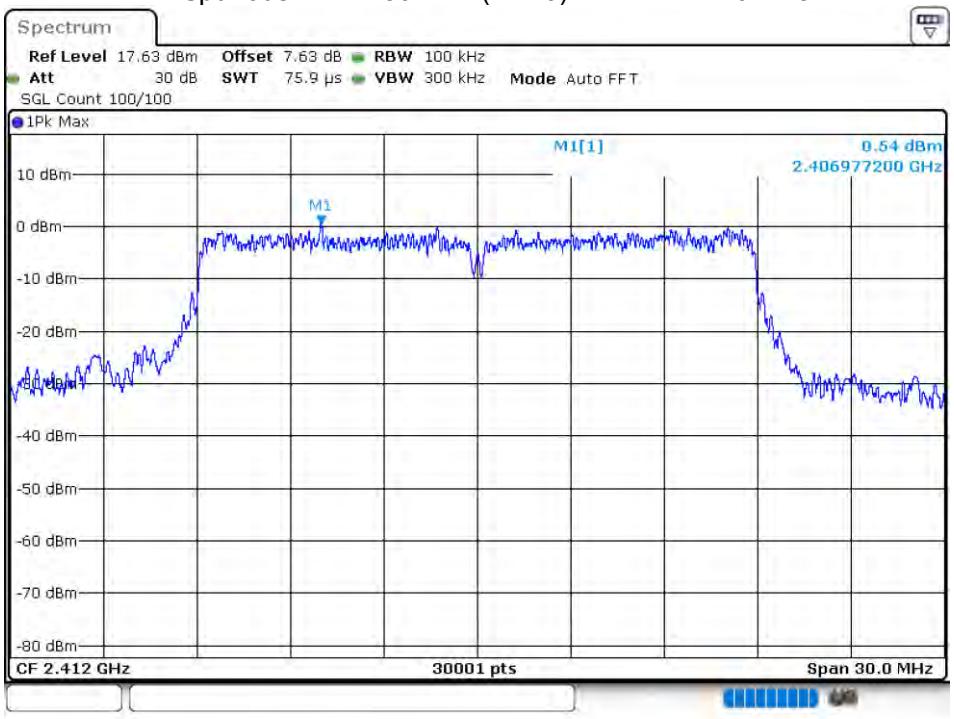

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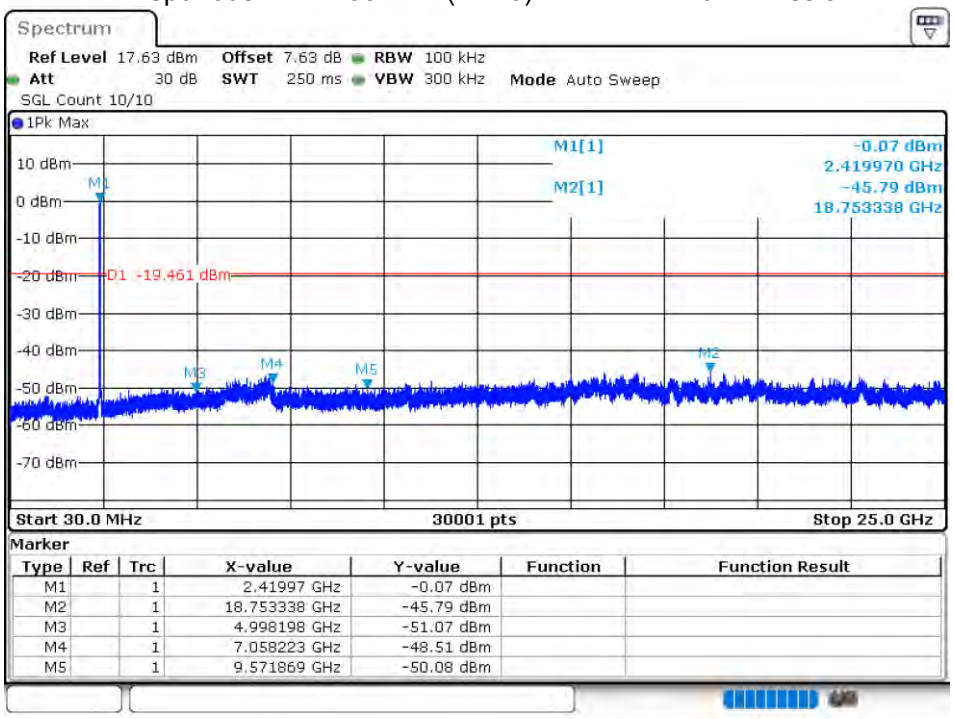
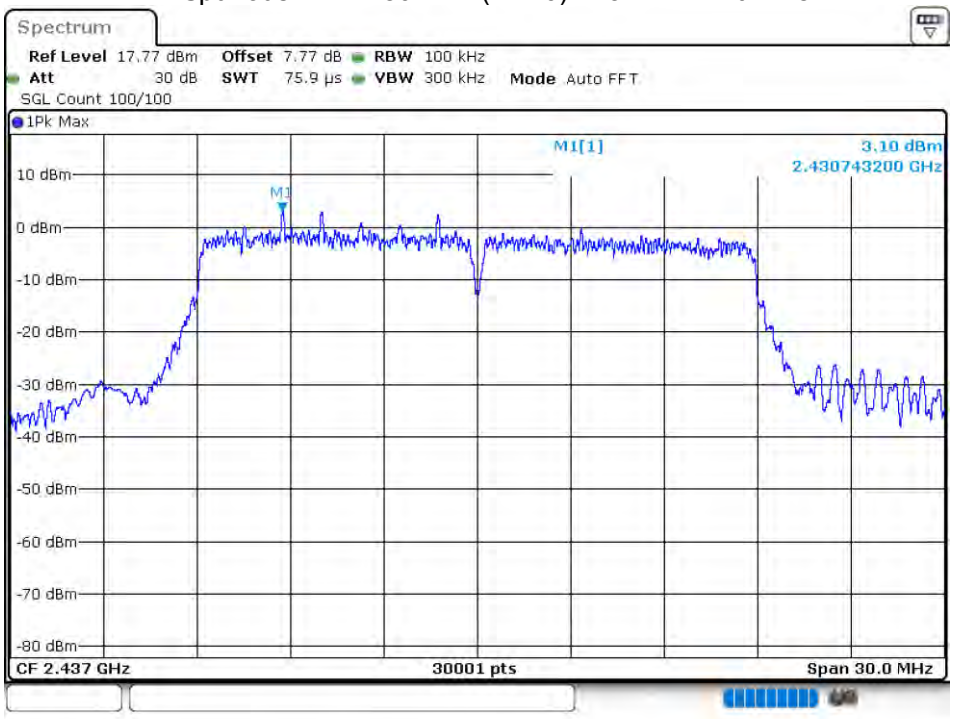


Tx. Spurious NVNT 802.11n(HT20) 2437MHz Ant 2 Ref



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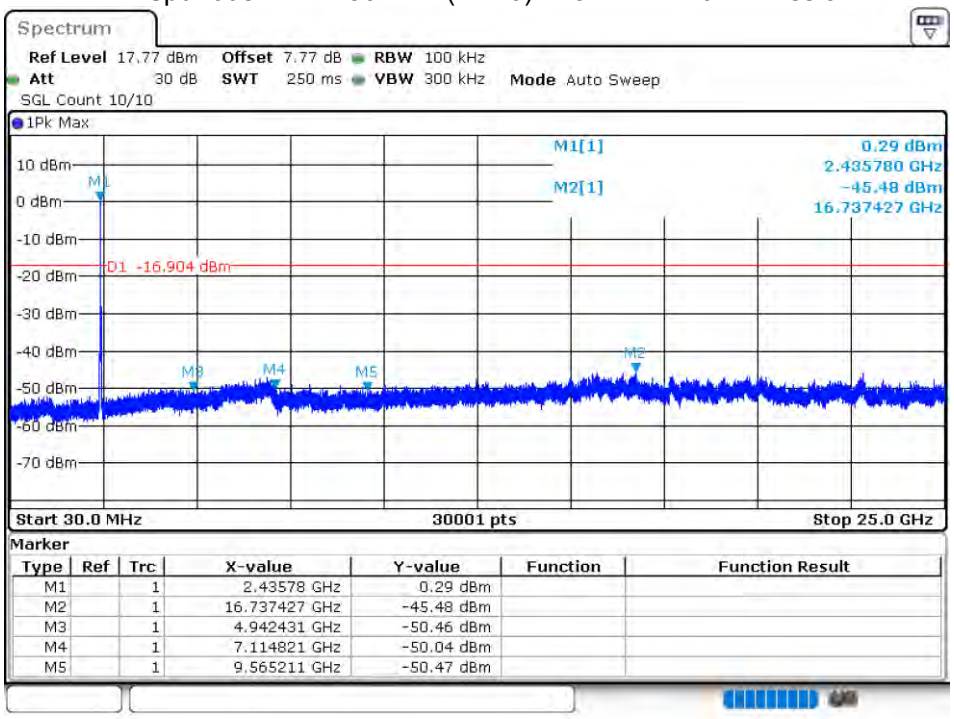

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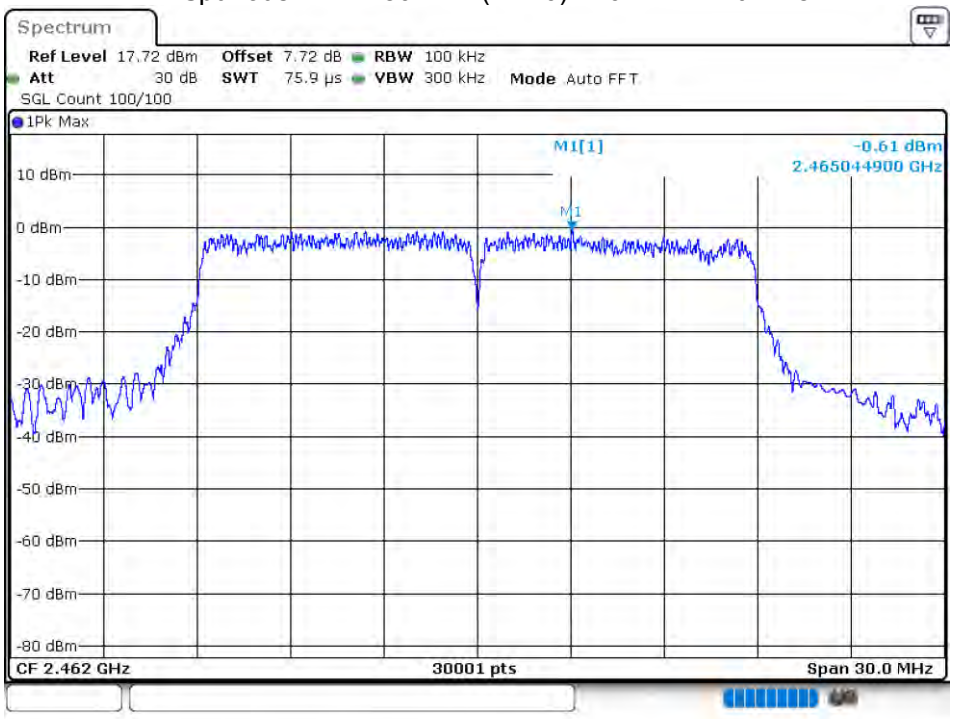

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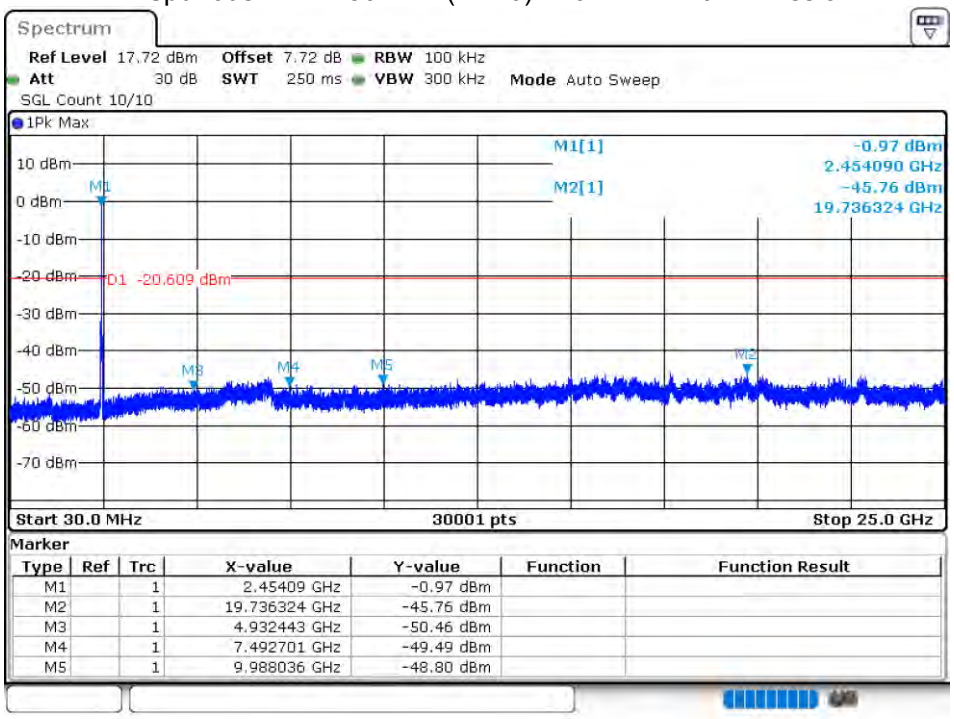
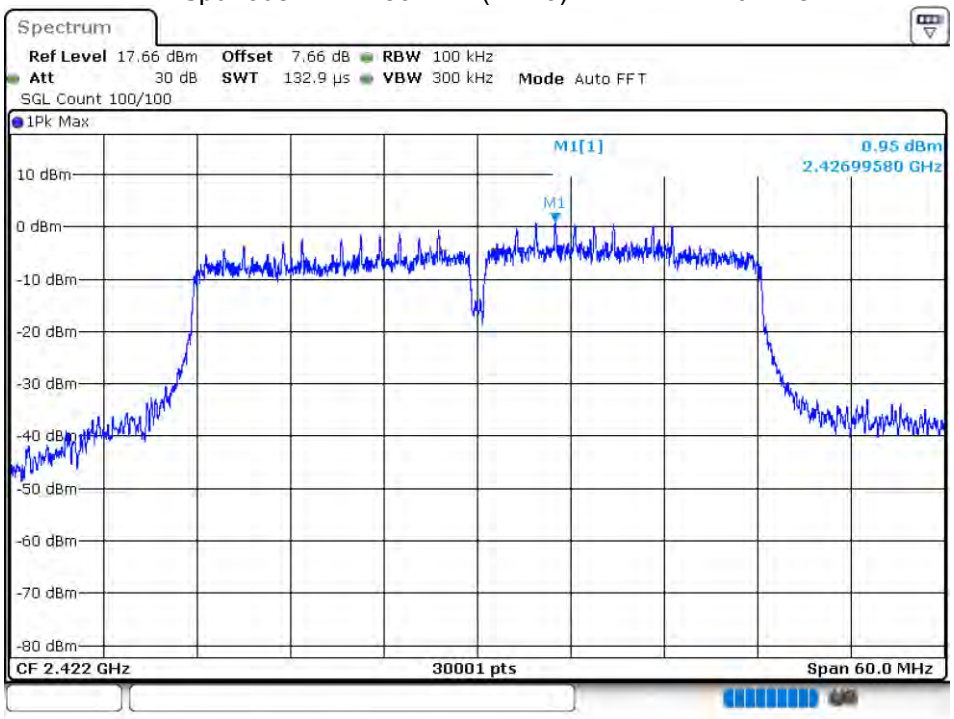
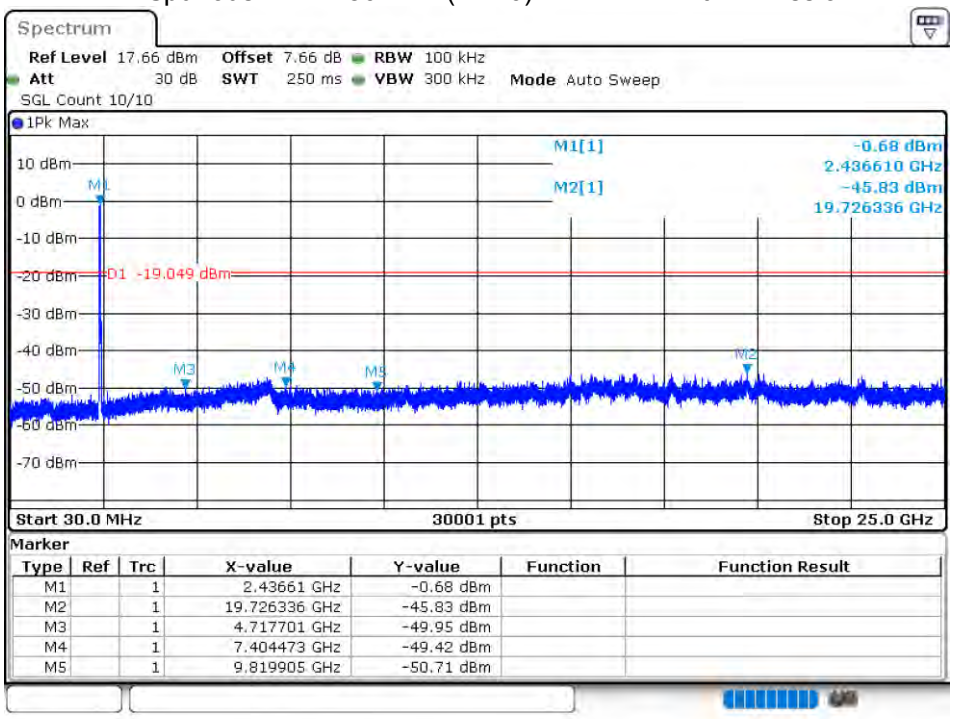


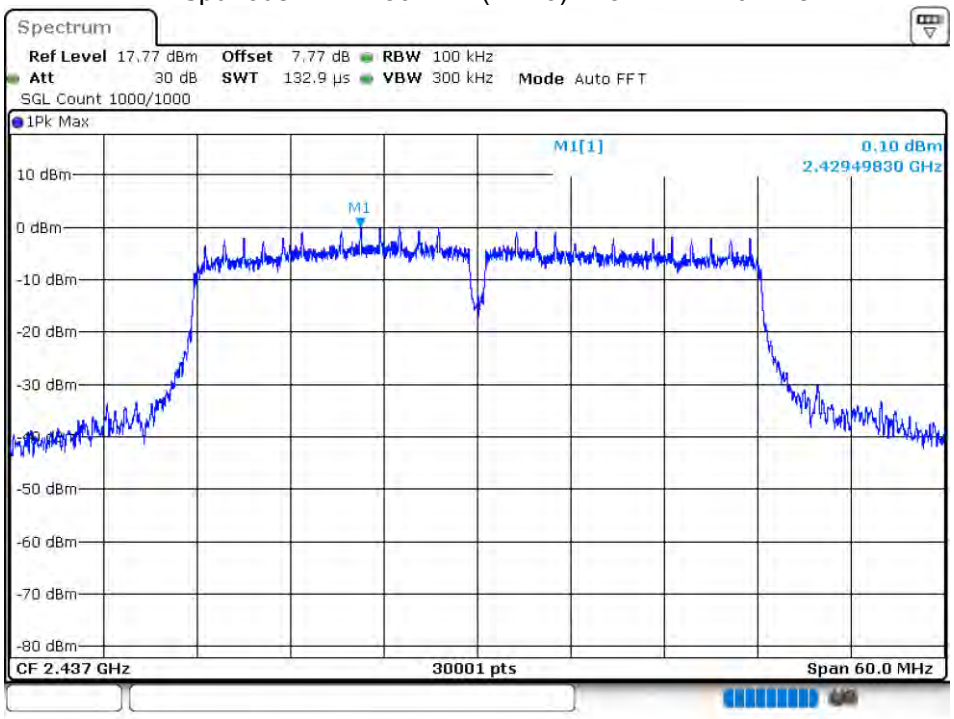
Tx. Spurious NVNT 802.11n(HT40) 2422MHz Ant 1 Ref



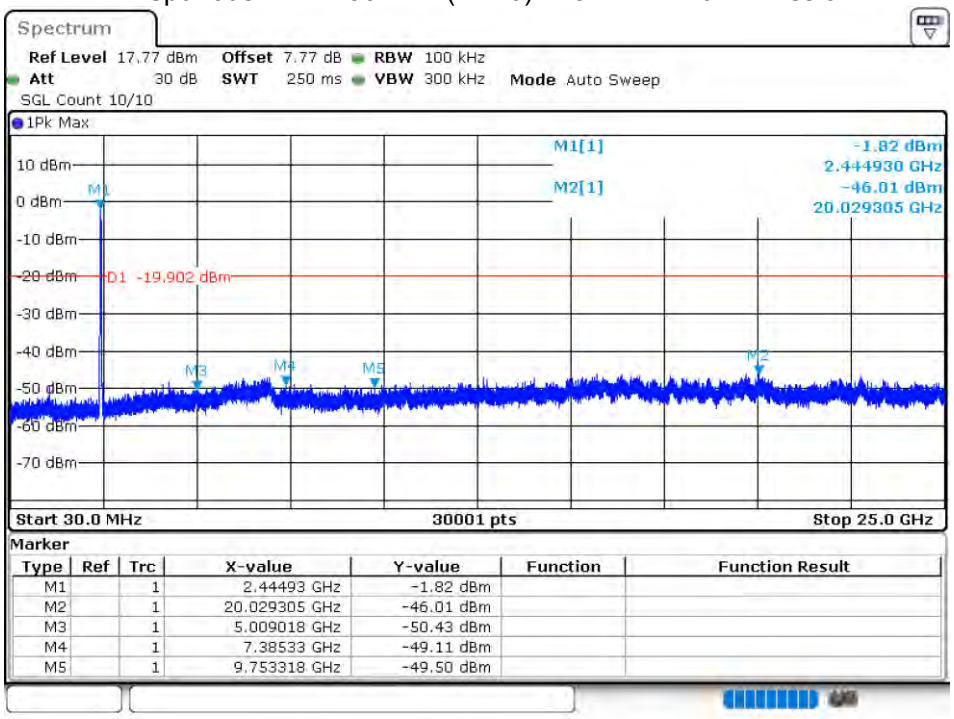
Tx. Spurious NVNT 802.11n(HT40) 2422MHz Ant 1 Emission



Tx. Spurious NVNT 802.11n(HT40) 2437MHz Ant 1 Ref



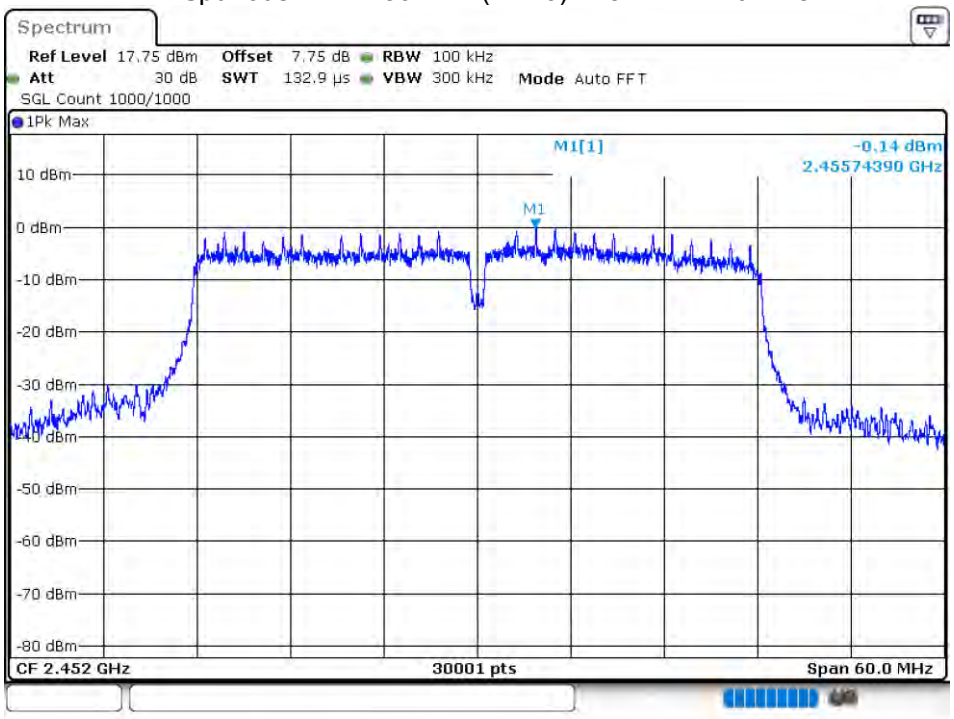
Tx. Spurious NVNT 802.11n(HT40) 2437MHz Ant 1 Emission



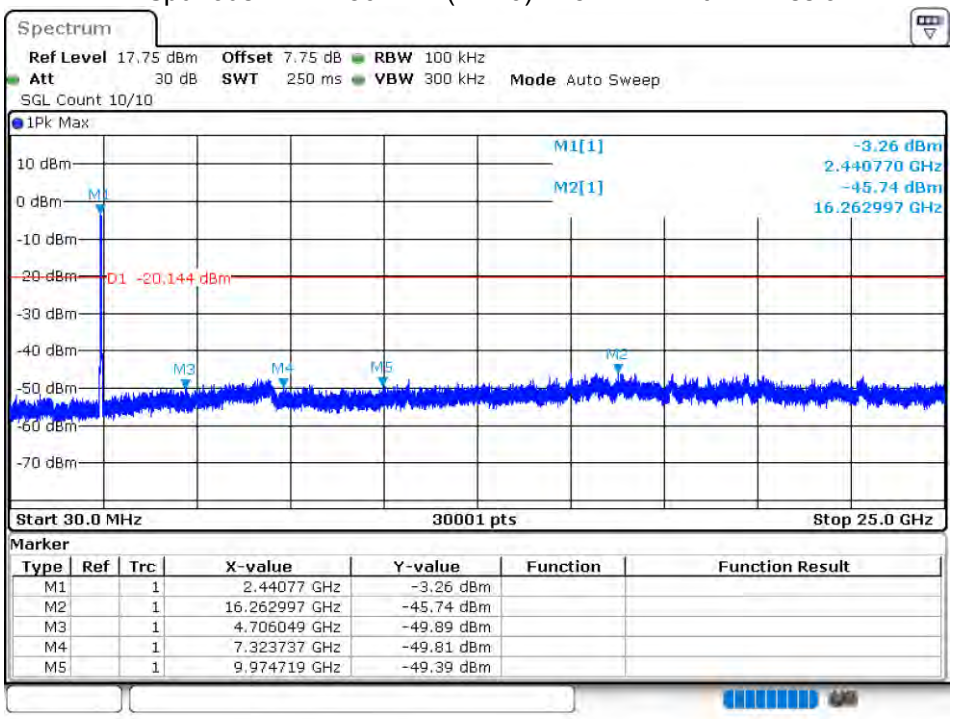
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44493 GHz	-1.82 dBm		
M2		1	20.029305 GHz	-46.01 dBm		
M3		1	5.009018 GHz	-50.43 dBm		
M4		1	7.38533 GHz	-49.11 dBm		
M5		1	9.753318 GHz	-49.50 dBm		

Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant 1 Ref



Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant 1 Emission



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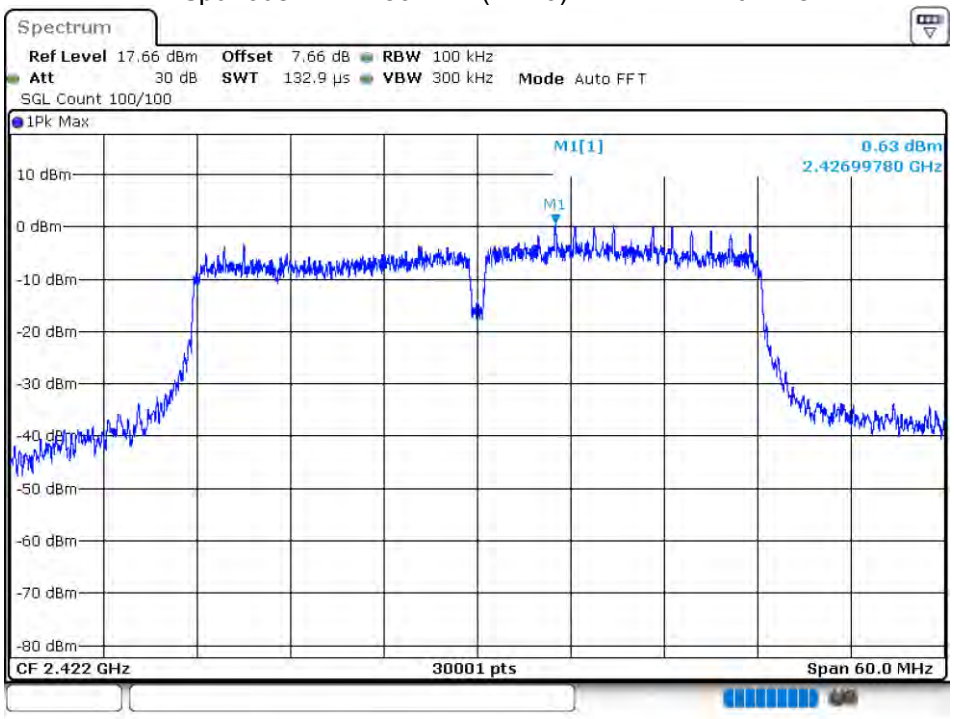
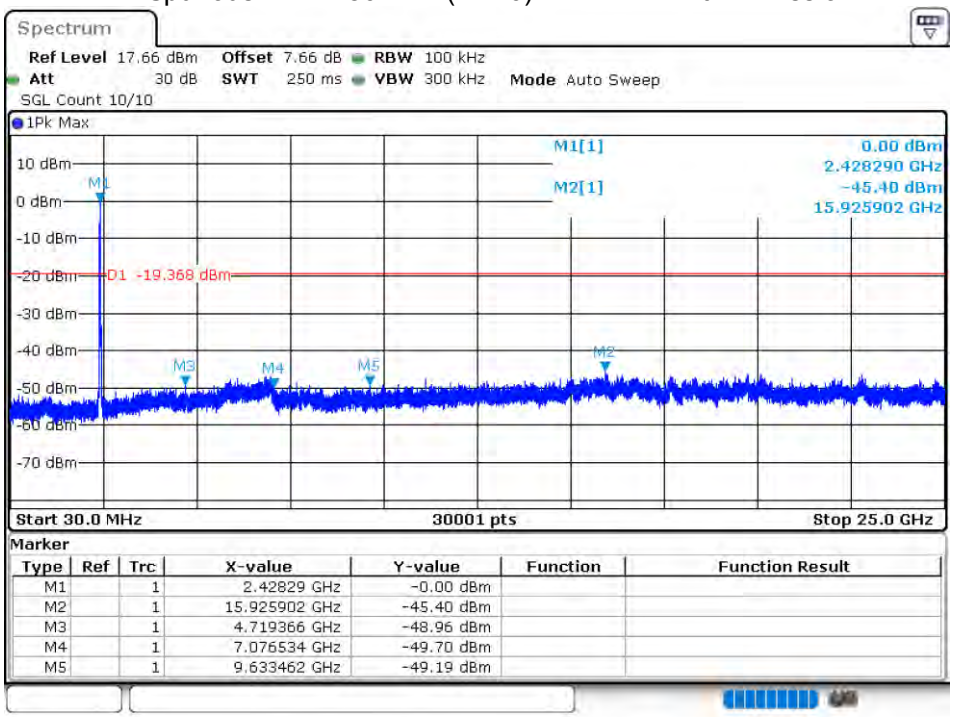
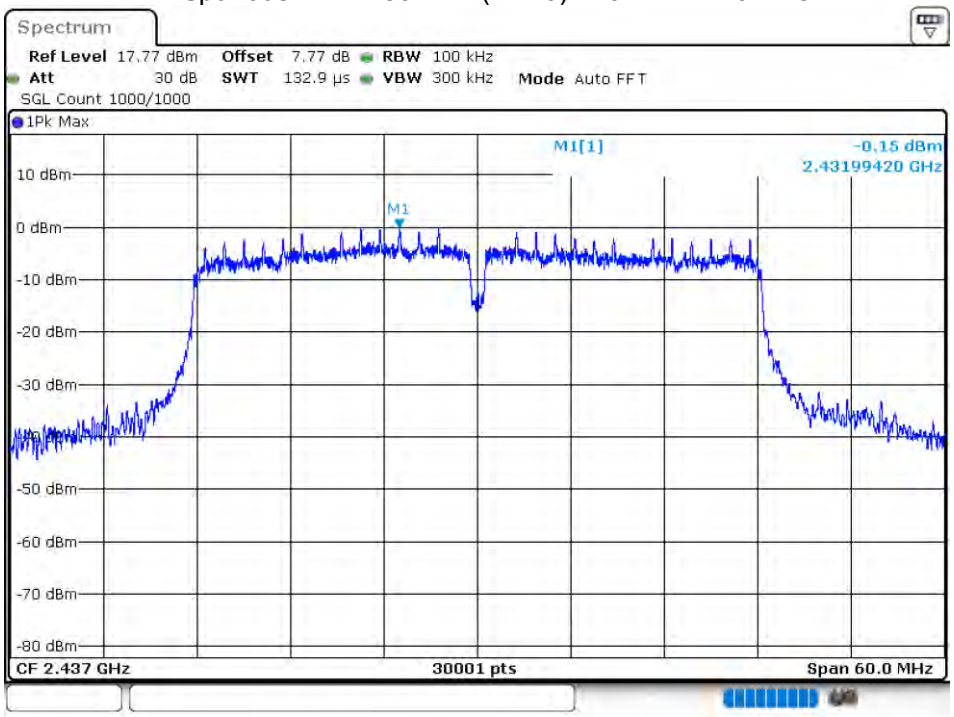


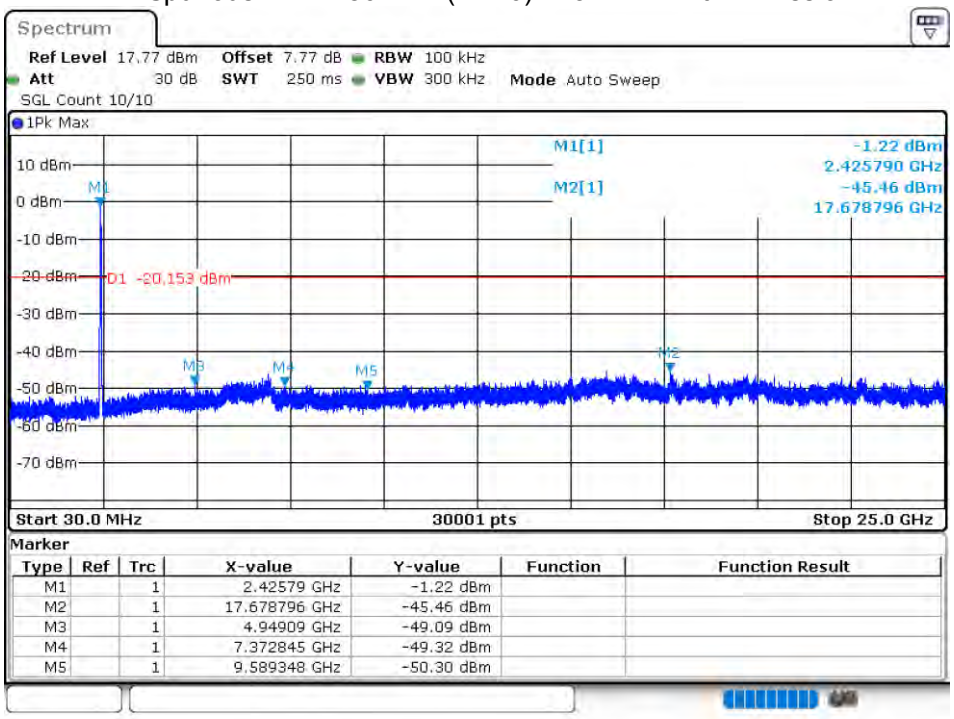
Tx. Spurious NVNT 802.11n(HT40) 2422MHz Ant 2 Emission



Tx. Spurious NVNT 802.11n(HT40) 2437MHz Ant 2 Ref



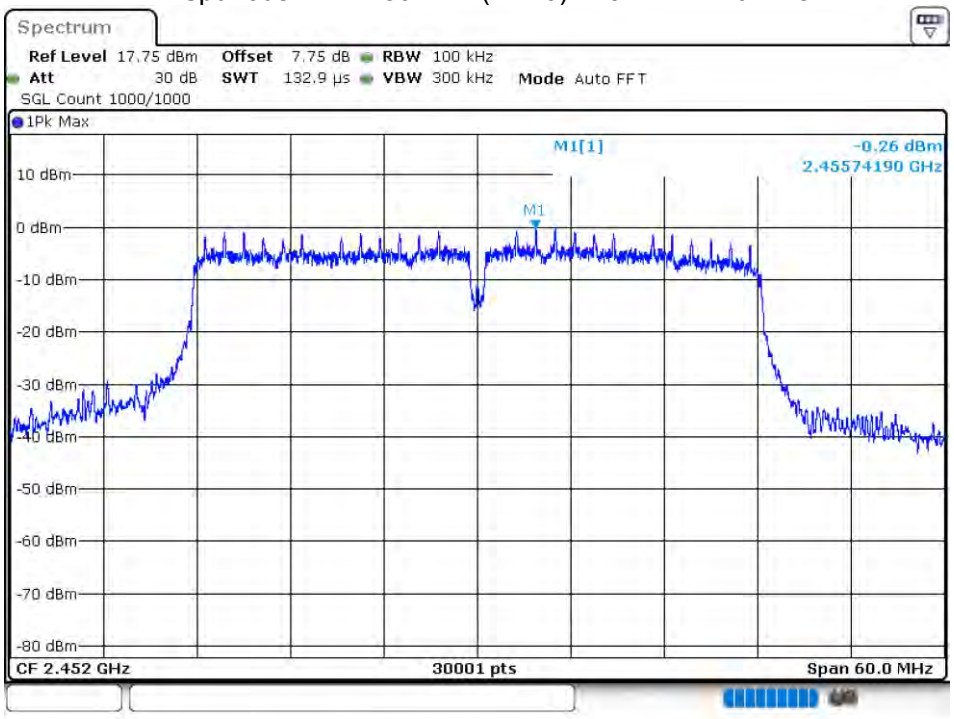
Tx. Spurious NVNT 802.11n(HT40) 2437MHz Ant 2 Emission



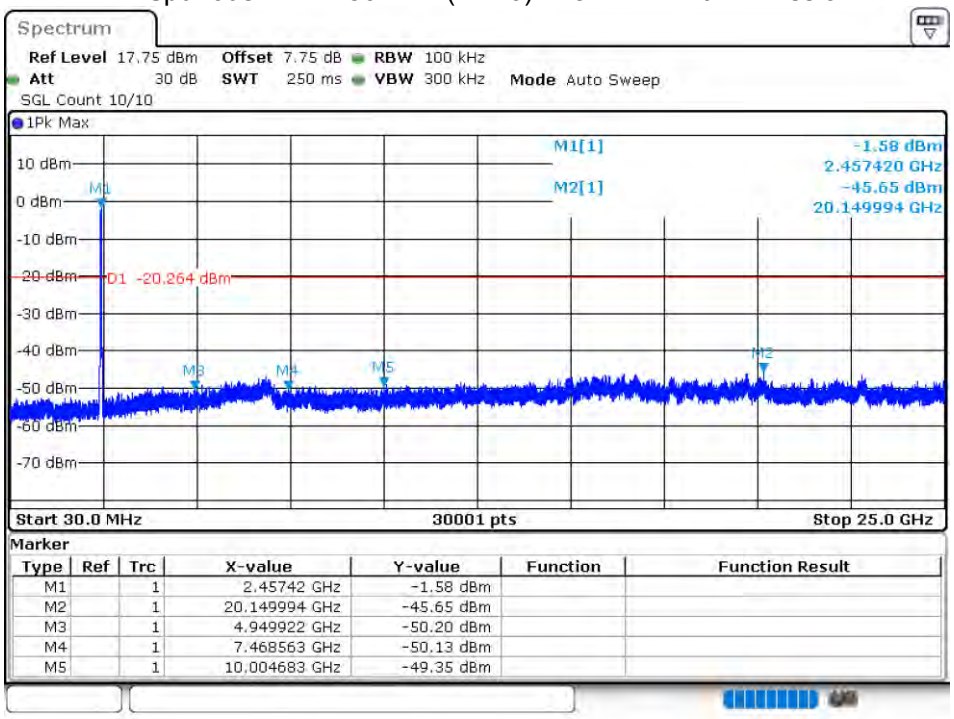
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42579 GHz	-1.22 dBm		
M2		1	17.678796 GHz	-45.46 dBm		
M3		1	4.94909 GHz	-49.09 dBm		
M4		1	7.372845 GHz	-49.32 dBm		
M5		1	9.589348 GHz	-50.30 dBm		

Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant 2 Ref



Tx. Spurious NVNT 802.11n(HT40) 2452MHz Ant 2 Emission



END OF REPORT