Appendix: 2.4G

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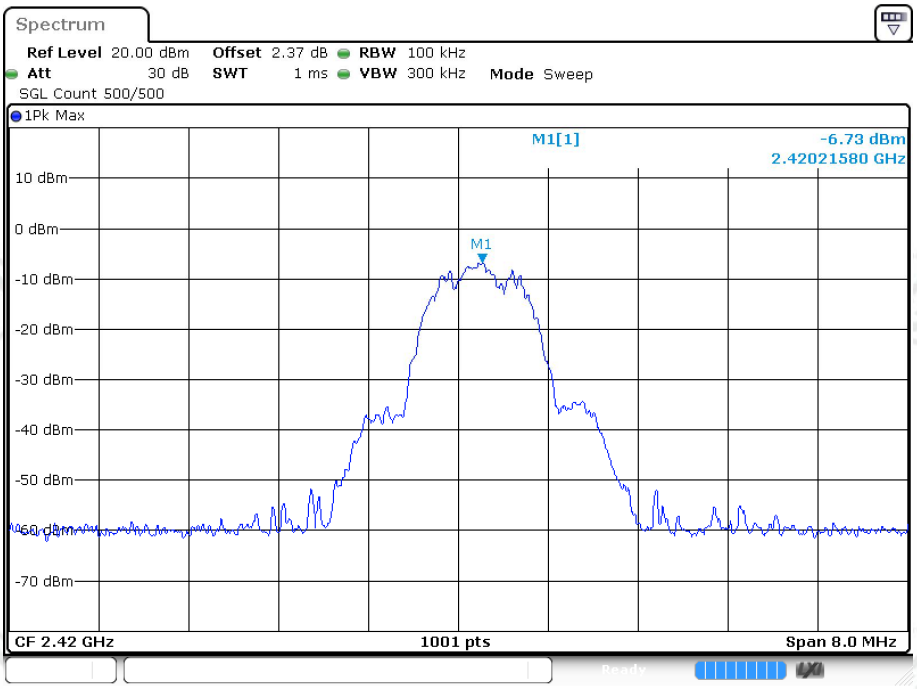
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2420	Ant1	-50.51	-20	Pass
NVNT	GFSK	2420	Ant1	-47.53	-20	Pass

Test Graphs

Band Edge NVNT GFSK 2420MHz Ant1 Ref



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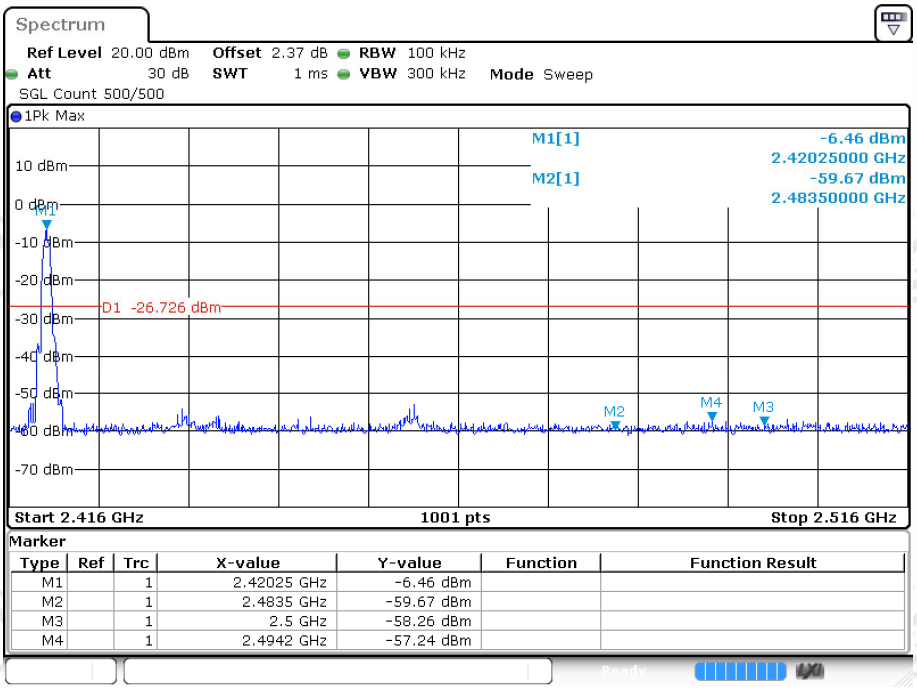
Band Edge NVNT GFSK 2420MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42025 GHz	-6.46 dBm		
M2		1	2.4835 GHz	-59.67 dBm		
M3		1	2.5 GHz	-58.26 dBm		
M4		1	2.4942 GHz	-57.24 dBm		

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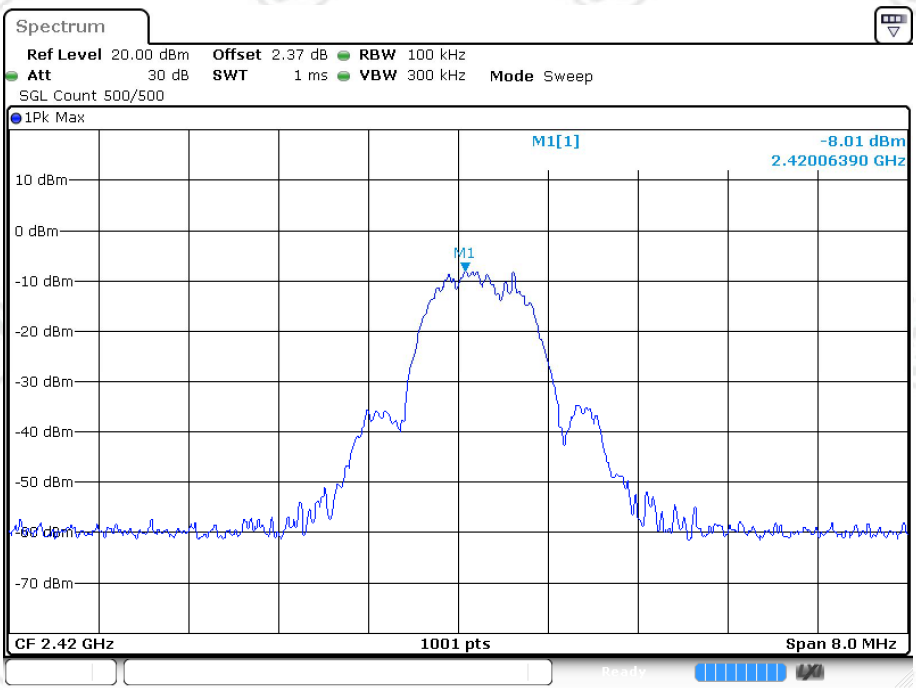
Band Edge NVNT GFSK 2420MHz Ant1 Ref



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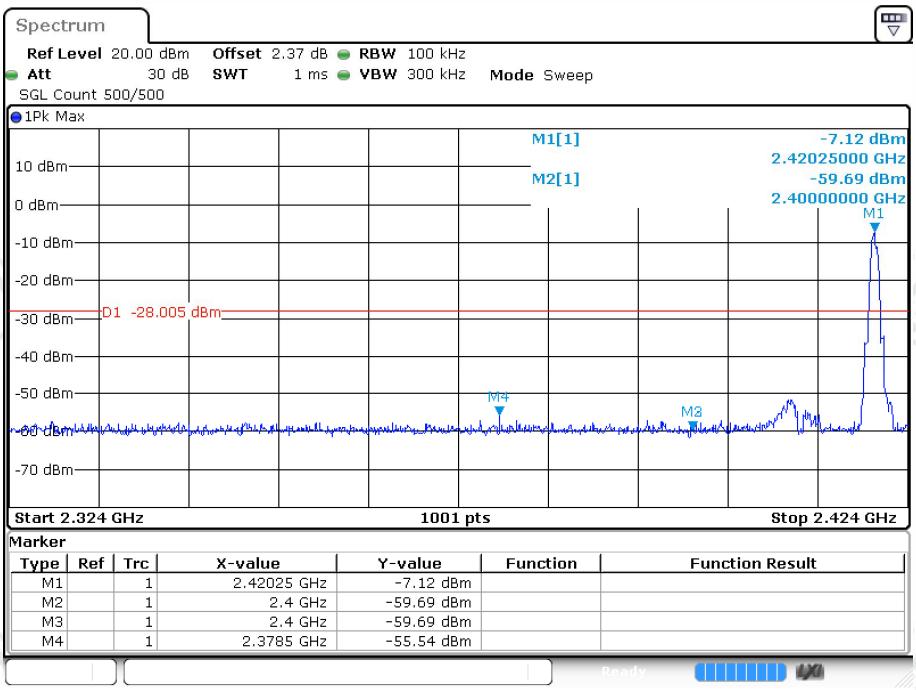
Band Edge NVNT GFSK 2420MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42025 GHz	-7.12 dBm		
M2		1	2.4 GHz	-59.69 dBm		
M3		1	2.4 GHz	-59.69 dBm		
M4		1	2.3785 GHz	-55.54 dBm		

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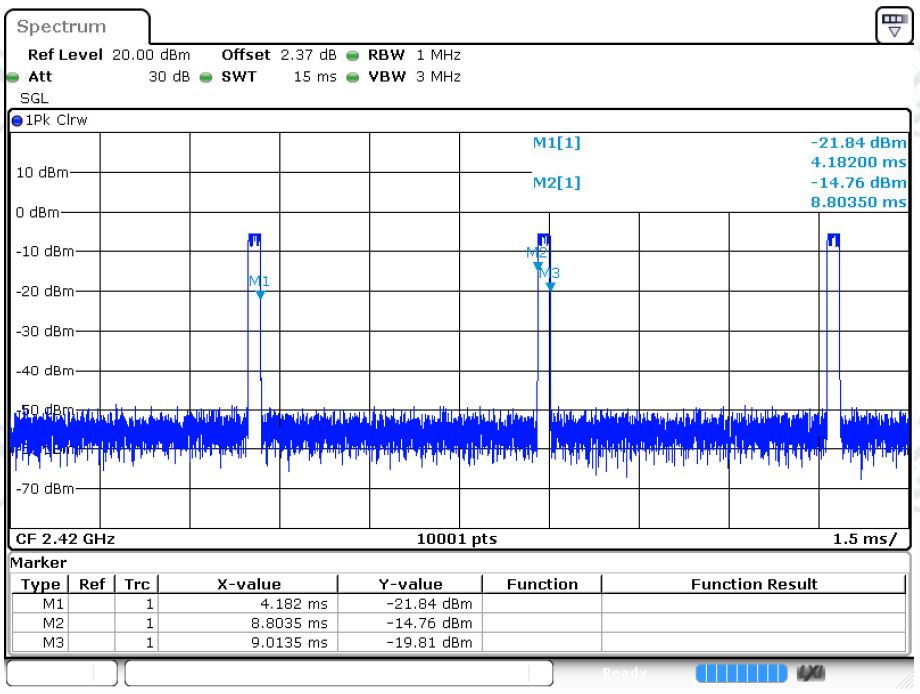
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	GFSK	2420	Ant1	4.35	13.62	4.76

Test Graphs

Duty Cycle NVNT GFSK 2420MHz Ant1

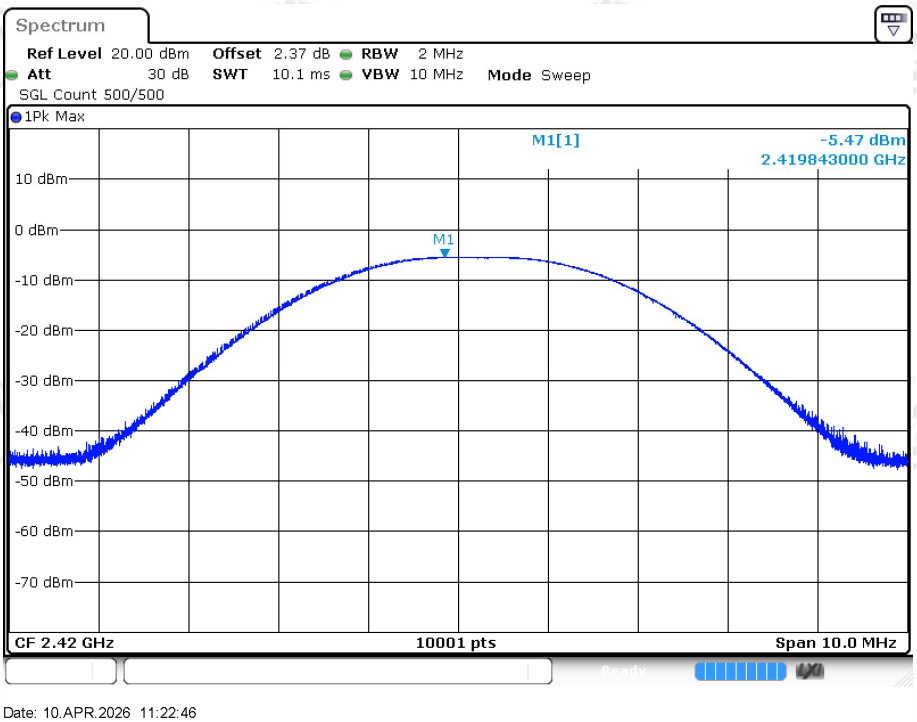


Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	GFSK	2420	Ant1	-5.47	30	Pass

Test Graphs

Peak Power NVNT GFSK 2420MHz Ant1

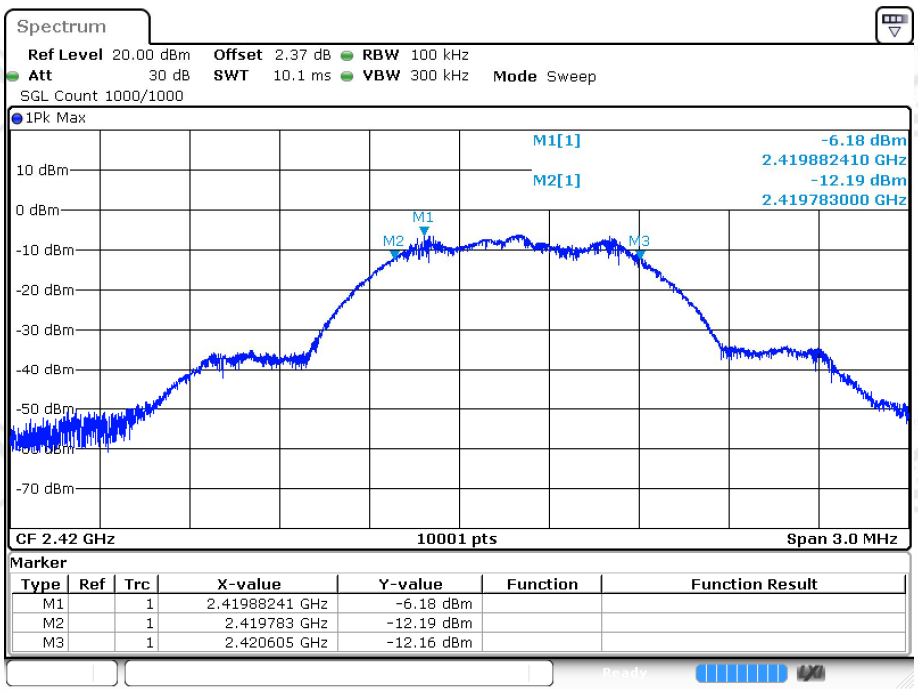


-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	GFSK	2420	Ant1	0.822	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT GFSK 2420MHz Ant1

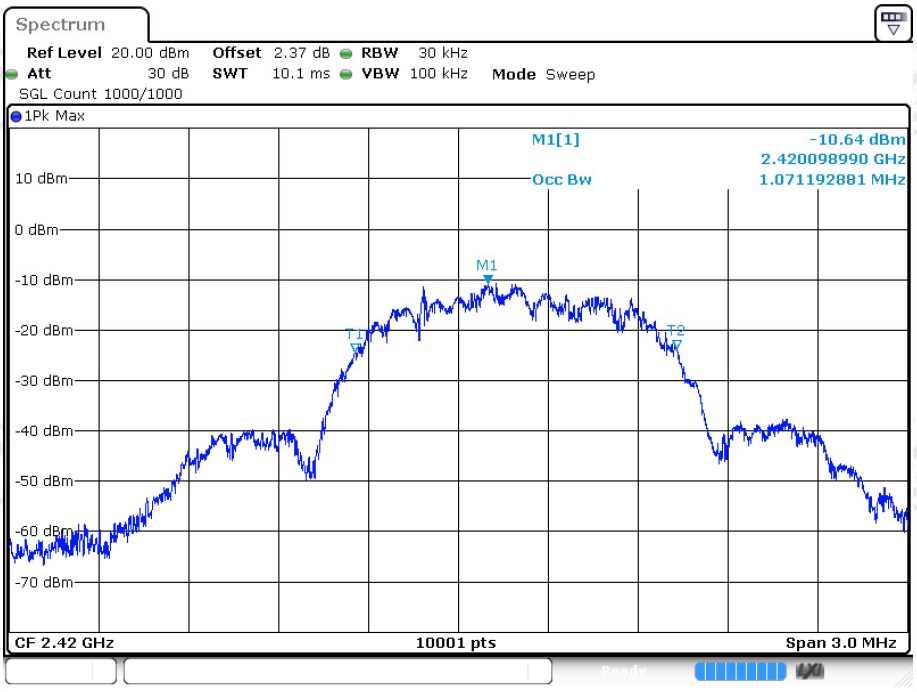


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	GFSK	2420	Ant1	1.071

Test Graphs

OBW NVNT GFSK 2420MHz Ant1



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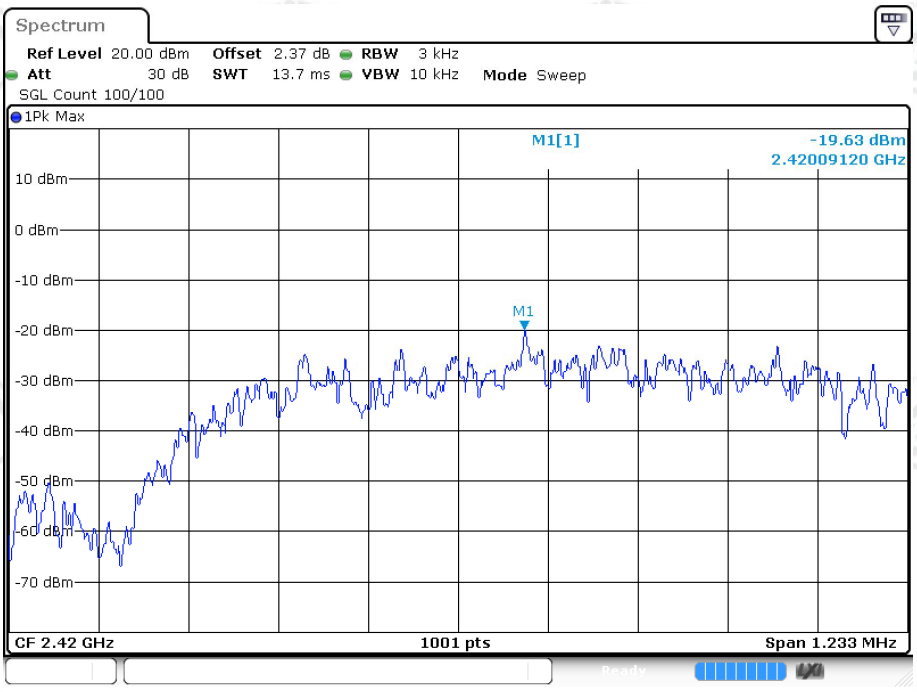
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	GFSK	2420	Ant1	-19.63	8	Pass

Test Graphs

PSD NVNT GFSK 2420MHz Ant1

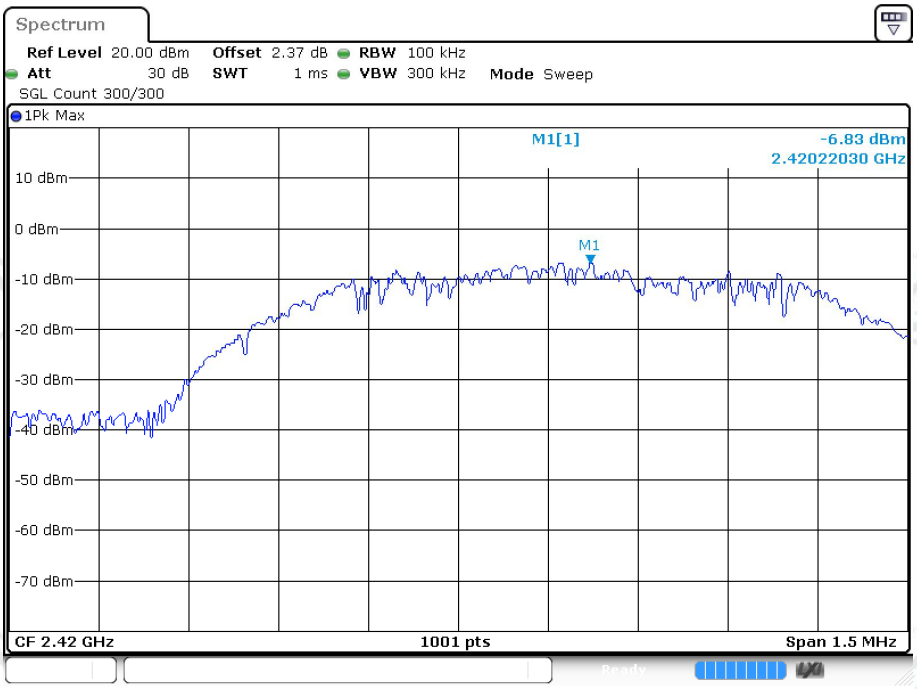


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2420	Ant1	-40.4	-20	Pass

Test Graphs

Tx. Spurious NVNT GFSK 2420MHz Ant1 Ref



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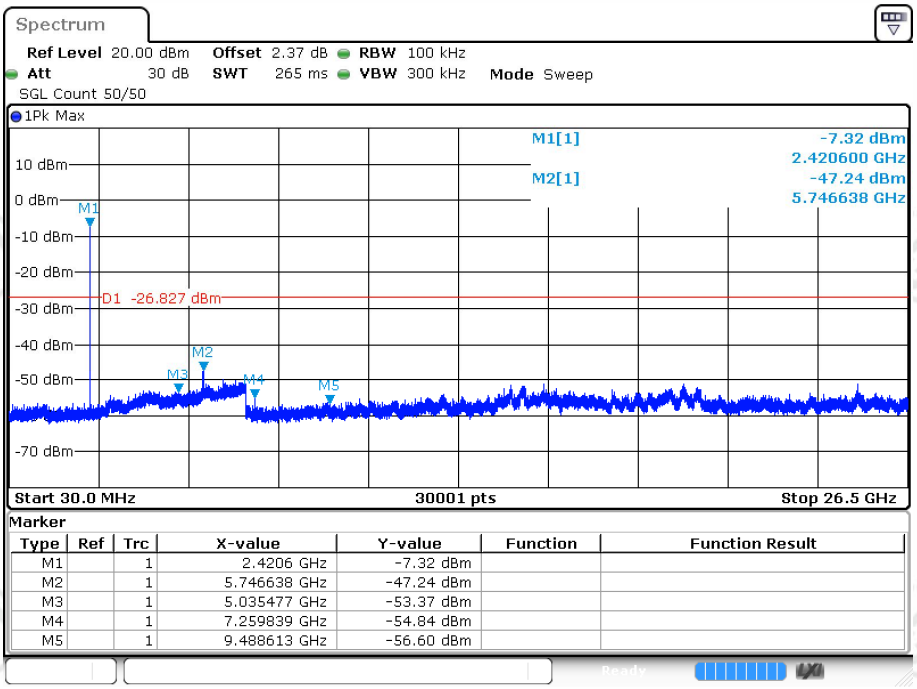
Tx. Spurious NVNT GFSK 2420MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4206 GHz	-7.32 dBm		
M2		1	5.746638 GHz	-47.24 dBm		
M3		1	5.035477 GHz	-53.37 dBm		
M4		1	7.259839 GHz	-54.84 dBm		
M5		1	9.488613 GHz	-56.60 dBm		

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*** End of Report ***