

Appendix A

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.88	0	0.12
NVNT	b	2437	Ant1	99.9	0	0.12
NVNT	b	2462	Ant1	99.88	0	0.12
NVNT	g	2412	Ant1	99.31	0	0.49
NVNT	g	2437	Ant1	99.31	0	0.49
NVNT	g	2462	Ant1	99.31	0	0.49
NVNT	n20	2412	Ant1	99.26	0	0.53
NVNT	n20	2437	Ant1	99.16	0	0.53
NVNT	n20	2462	Ant1	99.26	0	0.53

Maximum Conducted Output Power

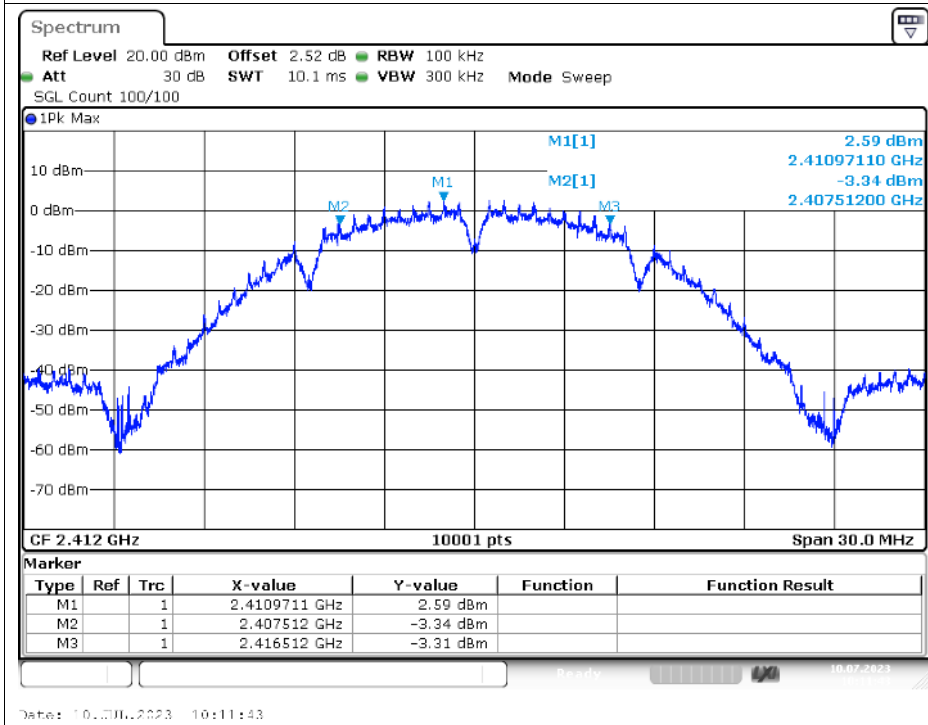
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.38	0	14.38	30	Pass
NVNT	b	2437	Ant1	14.51	0	14.51	30	Pass
NVNT	b	2462	Ant1	14.08	0	14.08	30	Pass
NVNT	g	2412	Ant1	13.42	0	13.42	30	Pass
NVNT	g	2437	Ant1	13.2	0	13.2	30	Pass
NVNT	g	2462	Ant1	12.69	0	12.69	30	Pass
NVNT	n20	2412	Ant1	13.01	0	13.01	30	Pass
NVNT	n20	2437	Ant1	12.93	0	12.93	30	Pass
NVNT	n20	2462	Ant1	12.5	0	12.5	30	Pass

-6dB Bandwidth

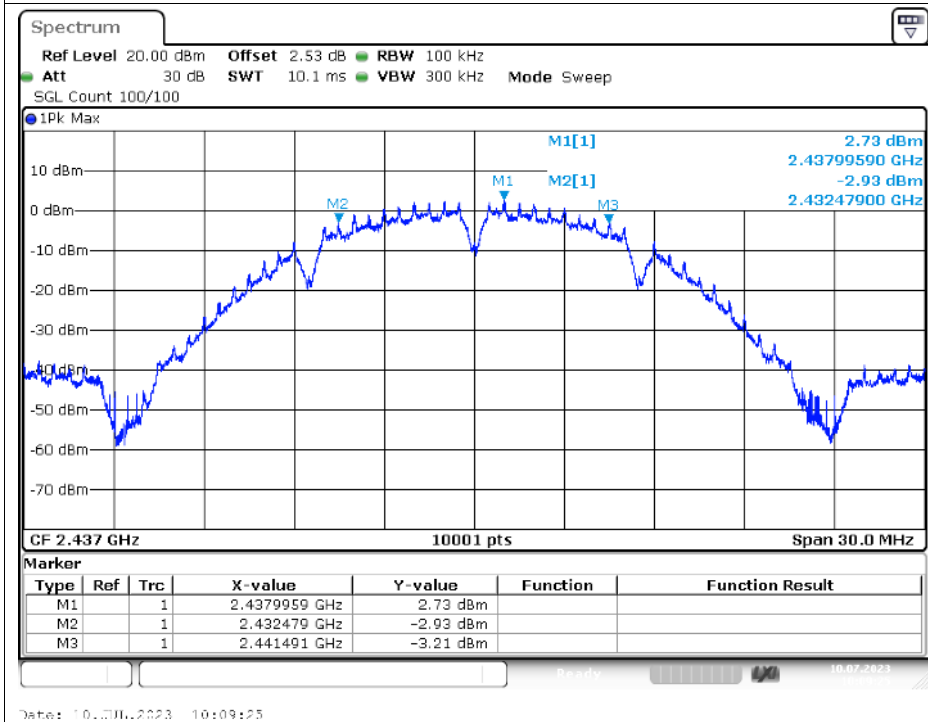
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9	0.5	Pass
NVNT	b	2437	Ant1	9.012	0.5	Pass
NVNT	b	2462	Ant1	9.033	0.5	Pass
NVNT	g	2412	Ant1	16.341	0.5	Pass
NVNT	g	2437	Ant1	16.332	0.5	Pass
NVNT	g	2462	Ant1	16.356	0.5	Pass
NVNT	n20	2412	Ant1	17.562	0.5	Pass
NVNT	n20	2437	Ant1	17.547	0.5	Pass
NVNT	n20	2462	Ant1	17.568	0.5	Pass

Test Graphs

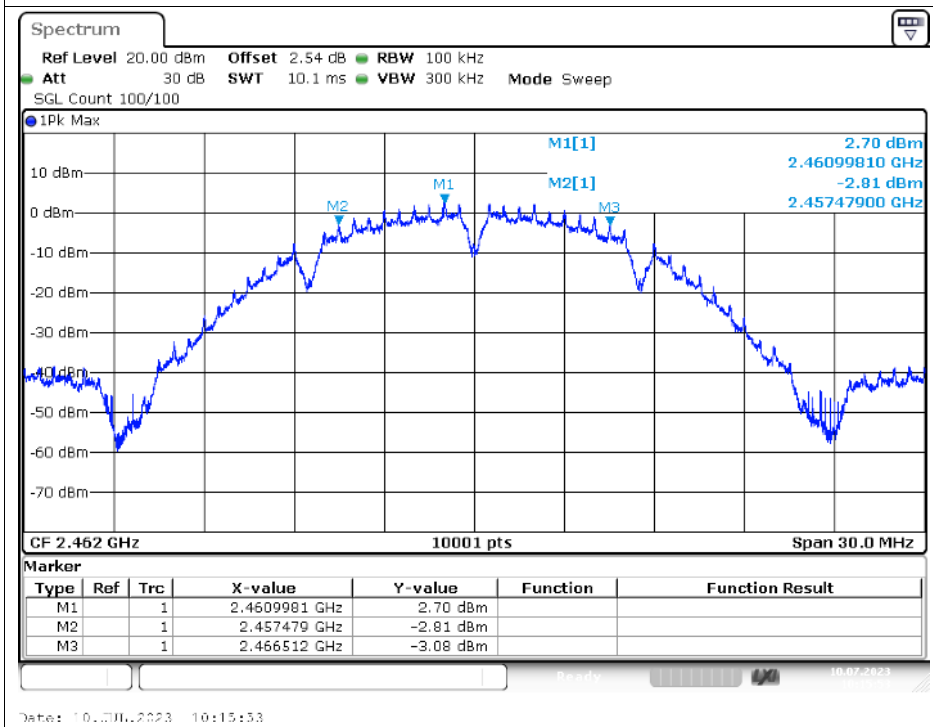
-6dB Bandwidth NVNT b 2412MHz Ant1



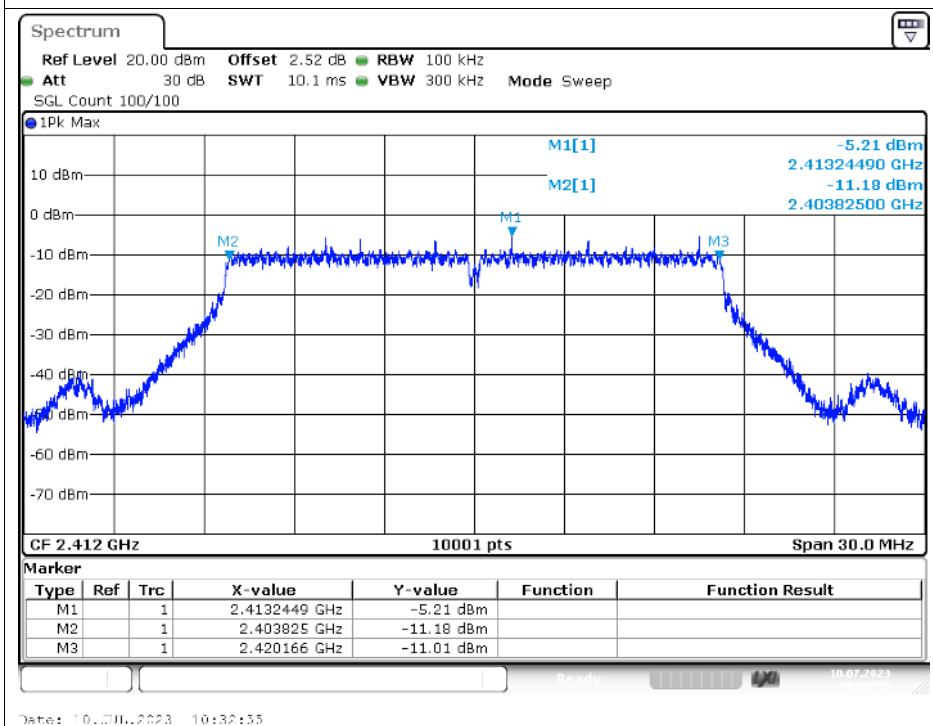
-6dB Bandwidth NVNT b 2437MHz Ant1



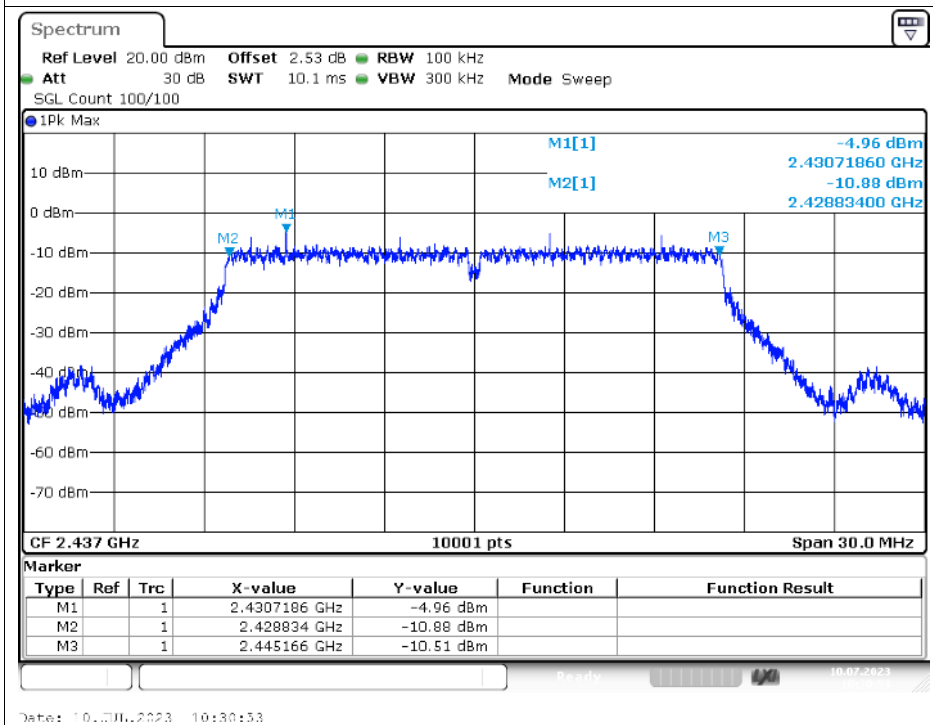
-6dB Bandwidth NVNT b 2462MHz Ant1



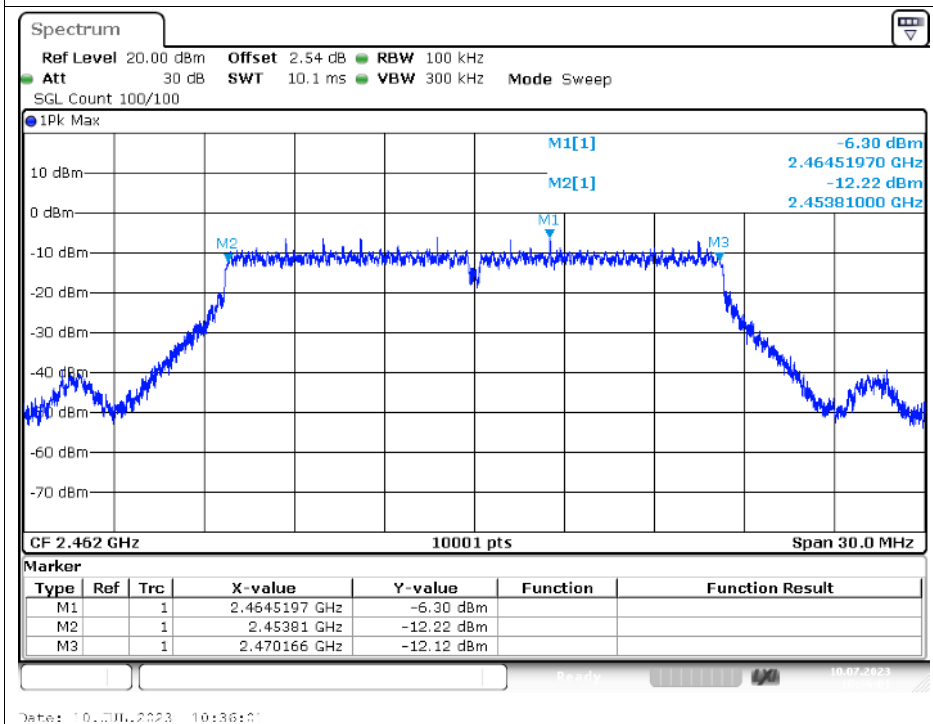
-6dB Bandwidth NVNT g 2412MHz Ant1



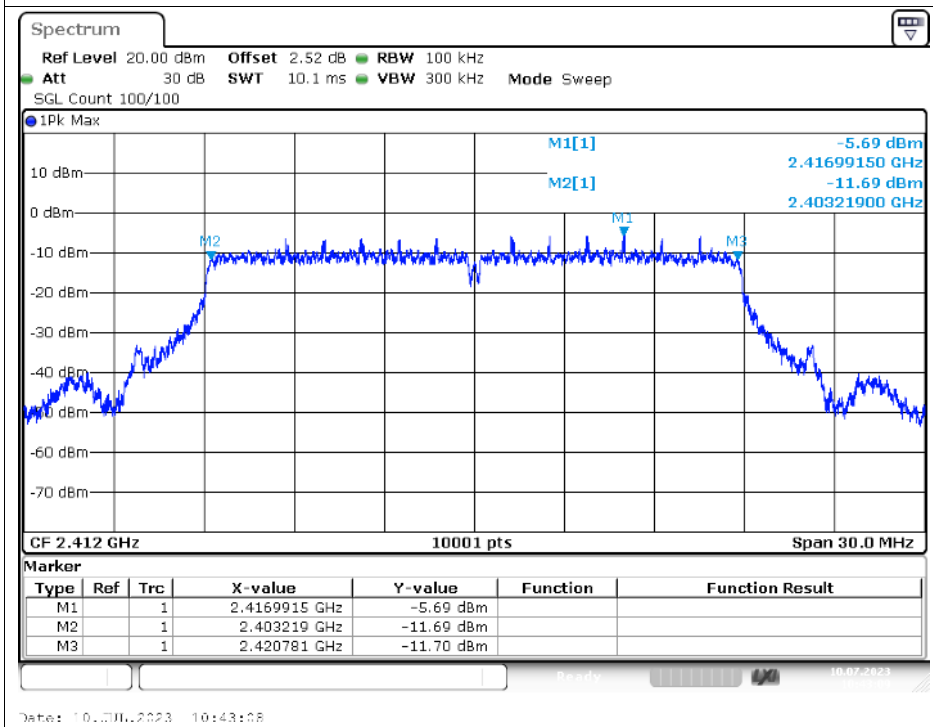
-6dB Bandwidth NVNT g 2437MHz Ant1



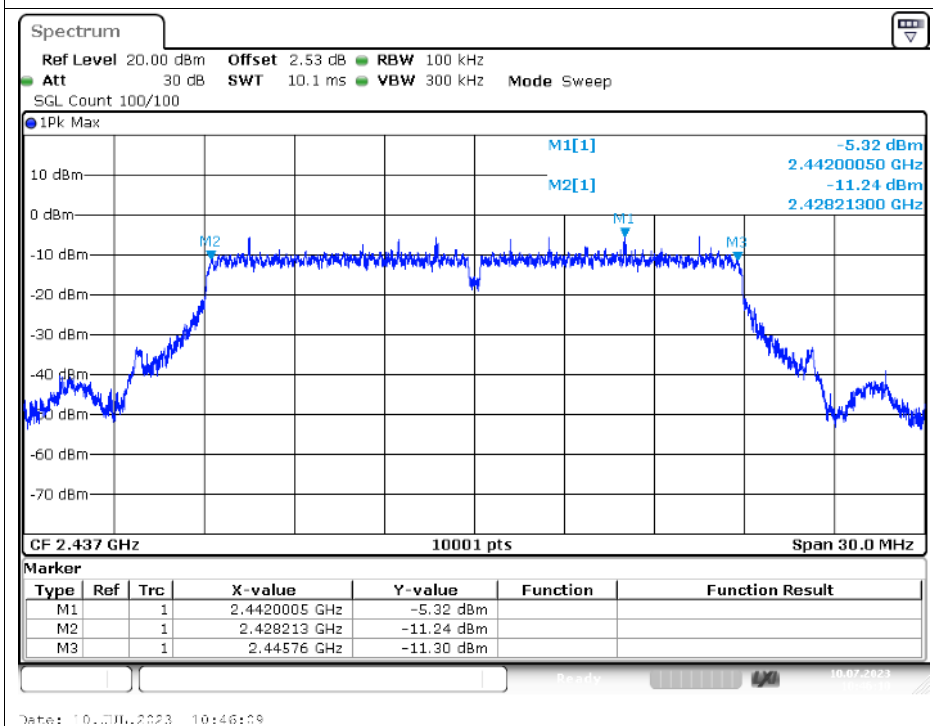
-6dB Bandwidth NVNT g 2462MHz Ant1

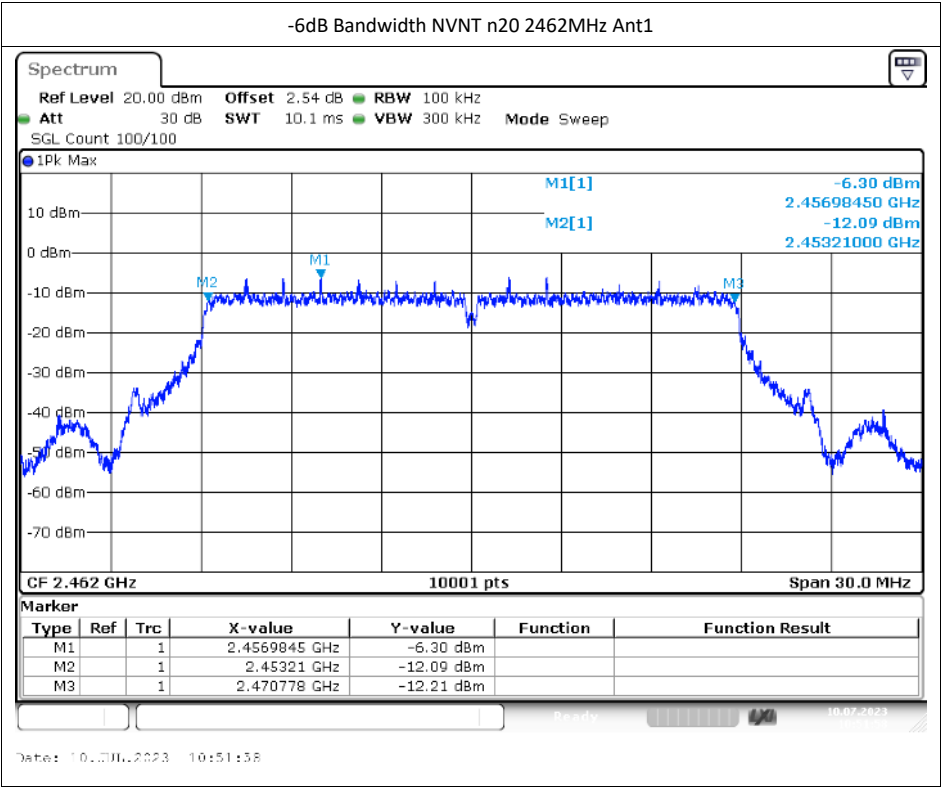


-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



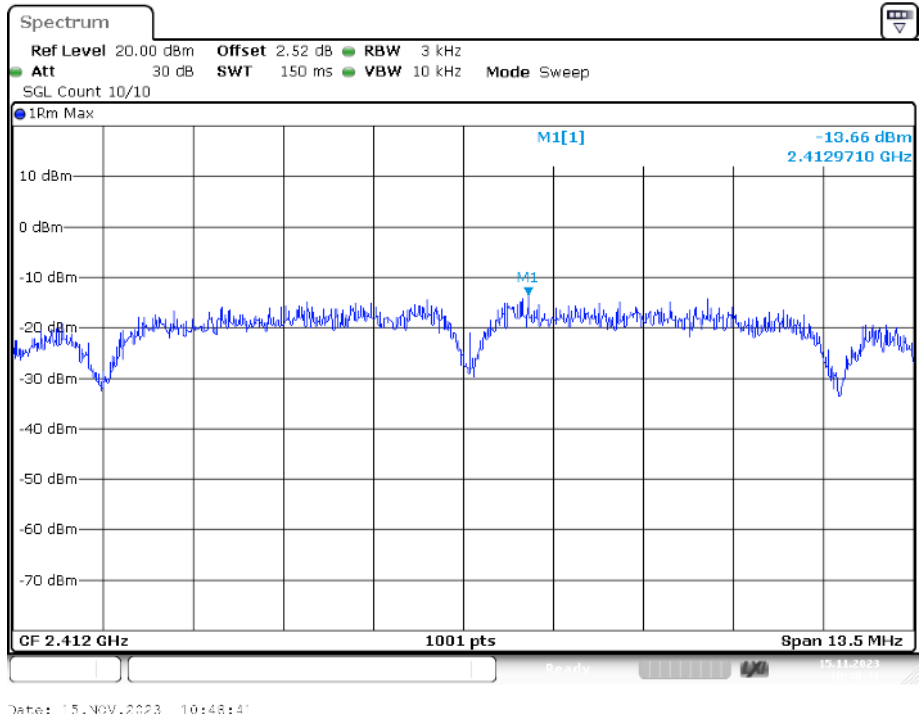


Maximum Power Spectral Density Level

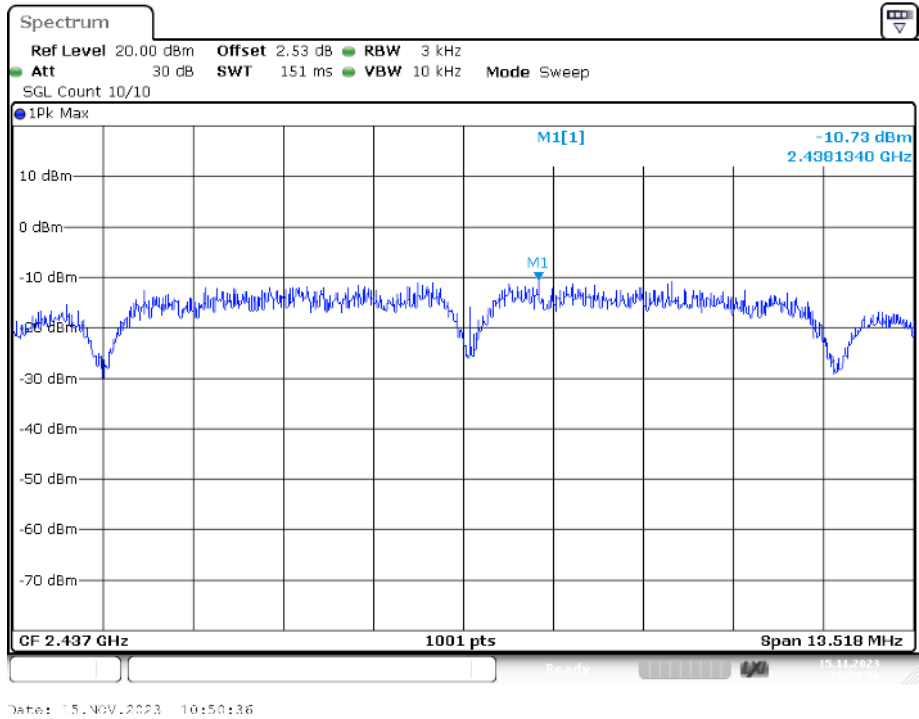
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-13.66	0	-13.66	8	Pass
NVNT	b	2437	Ant1	-10.73	0	-10.73	8	Pass
NVNT	b	2462	Ant1	-10.9	0	-10.9	8	Pass
NVNT	g	2412	Ant1	-12.61	0	-12.61	8	Pass
NVNT	g	2437	Ant1	-12.12	0	-12.12	8	Pass
NVNT	g	2462	Ant1	-13.28	0	-13.28	8	Pass
NVNT	n20	2412	Ant1	-11.72	0	-11.72	8	Pass
NVNT	n20	2437	Ant1	-11.96	0	-11.96	8	Pass
NVNT	n20	2462	Ant1	-11.66	0	-11.66	8	Pass

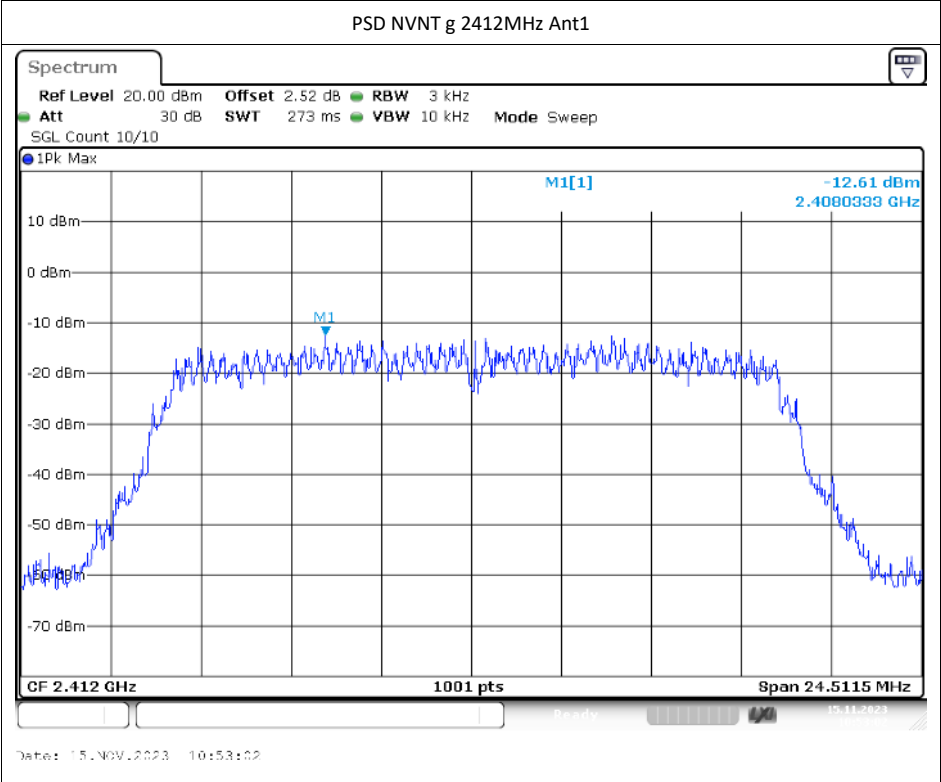
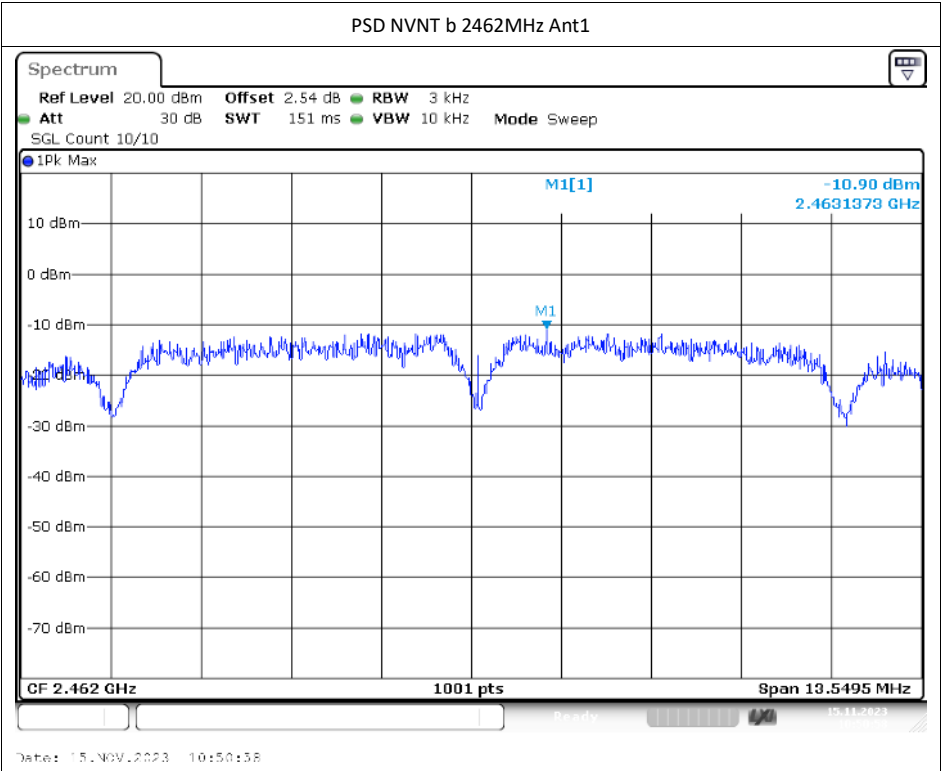
Test Graphs

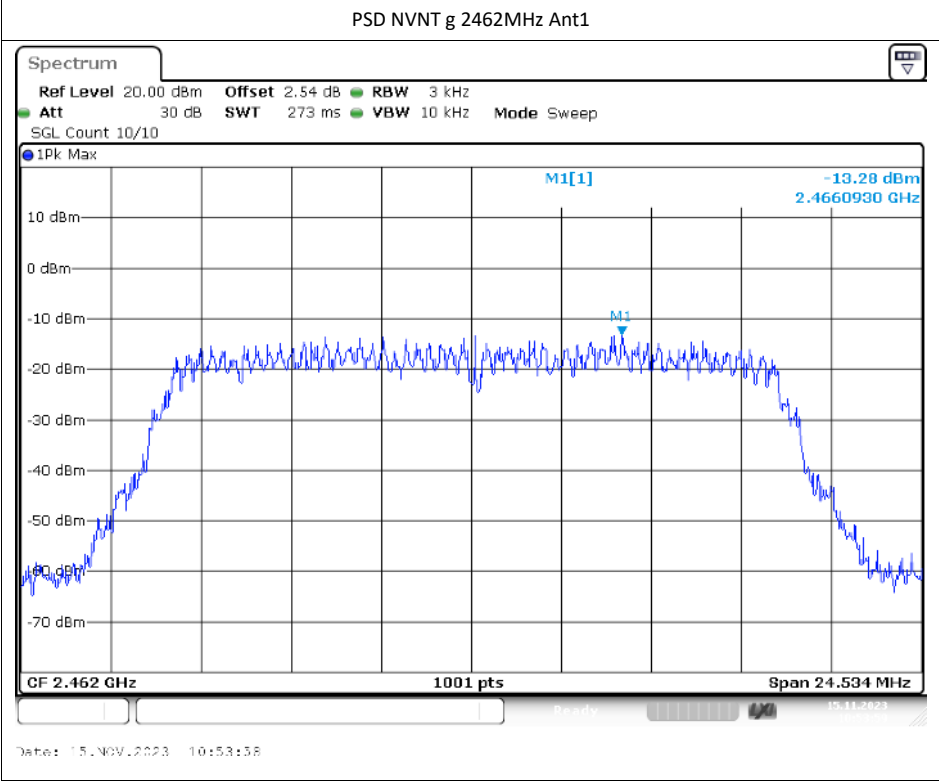
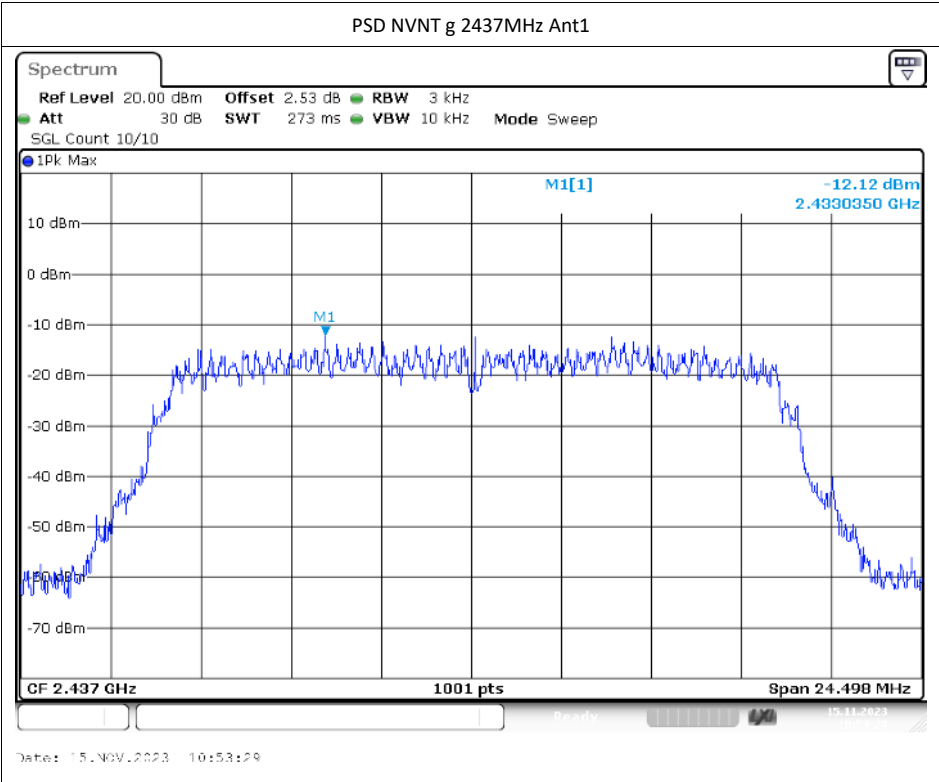
PSD NVNT b 2412MHz Ant1

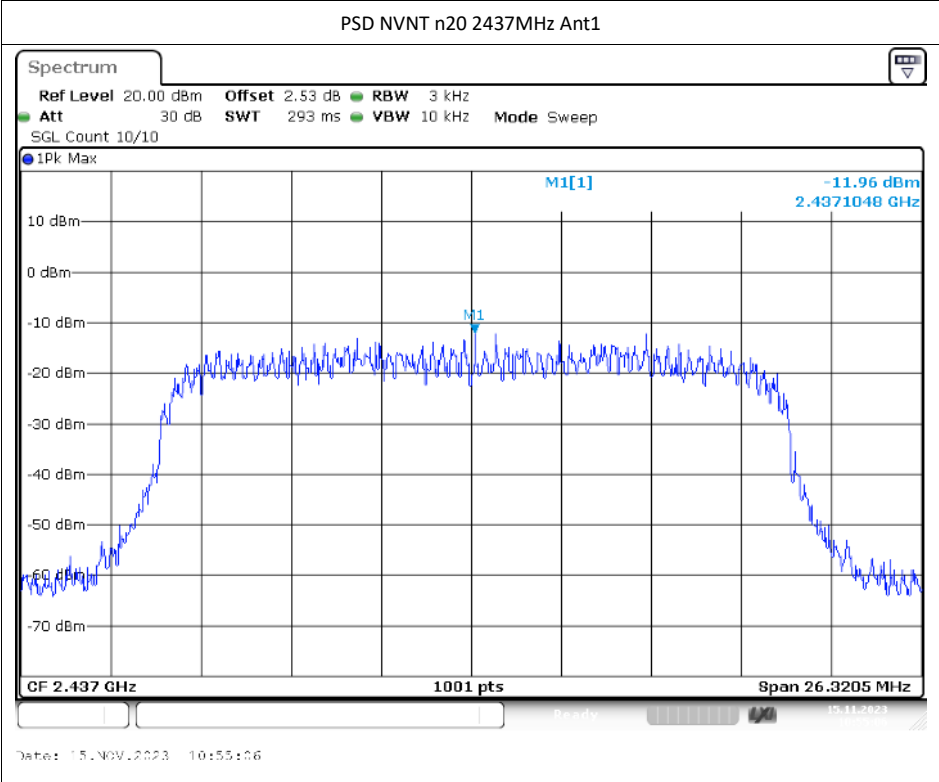
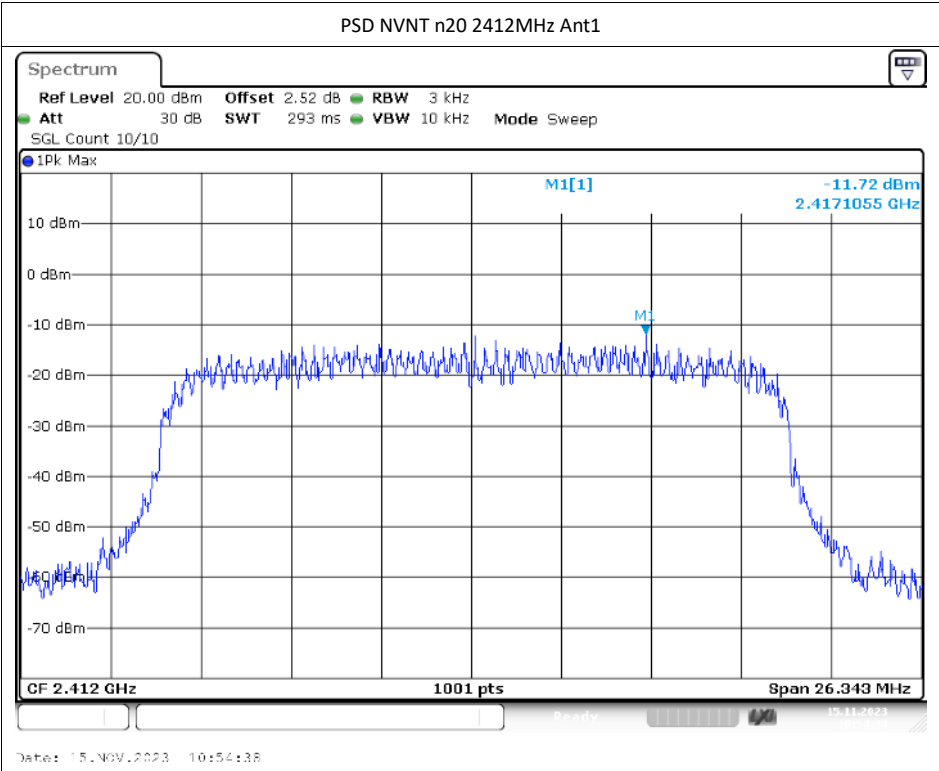


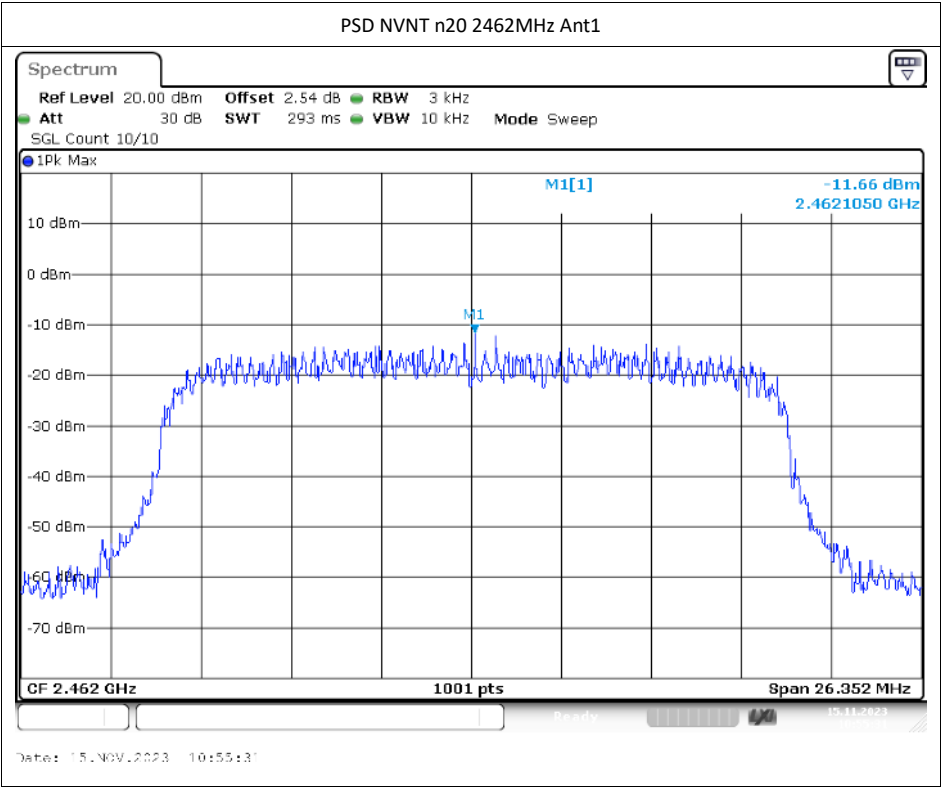
PSD NVNT b 2437MHz Ant1









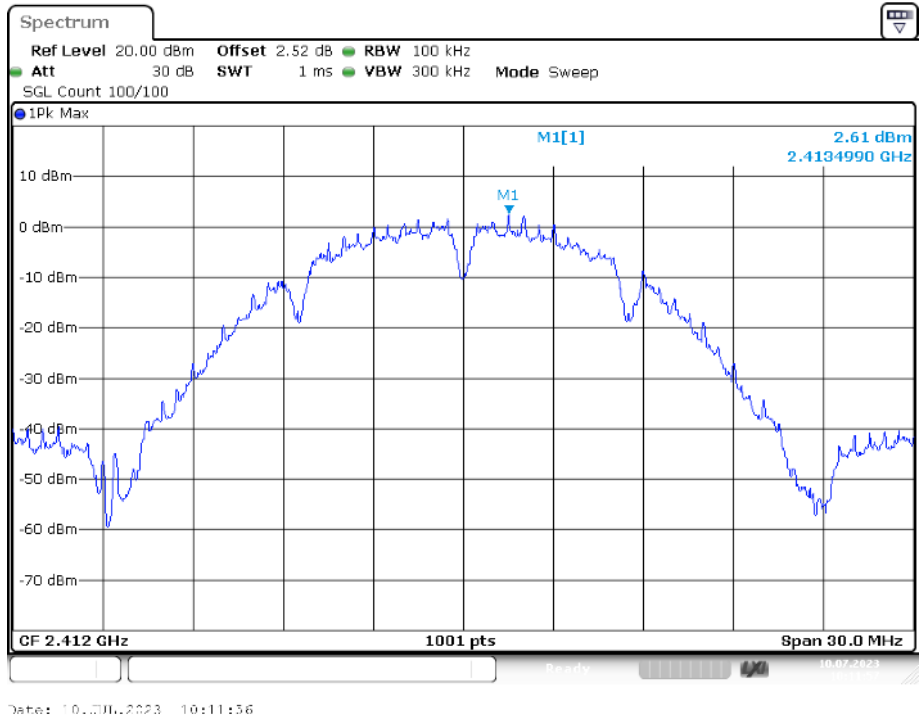


Band Edge

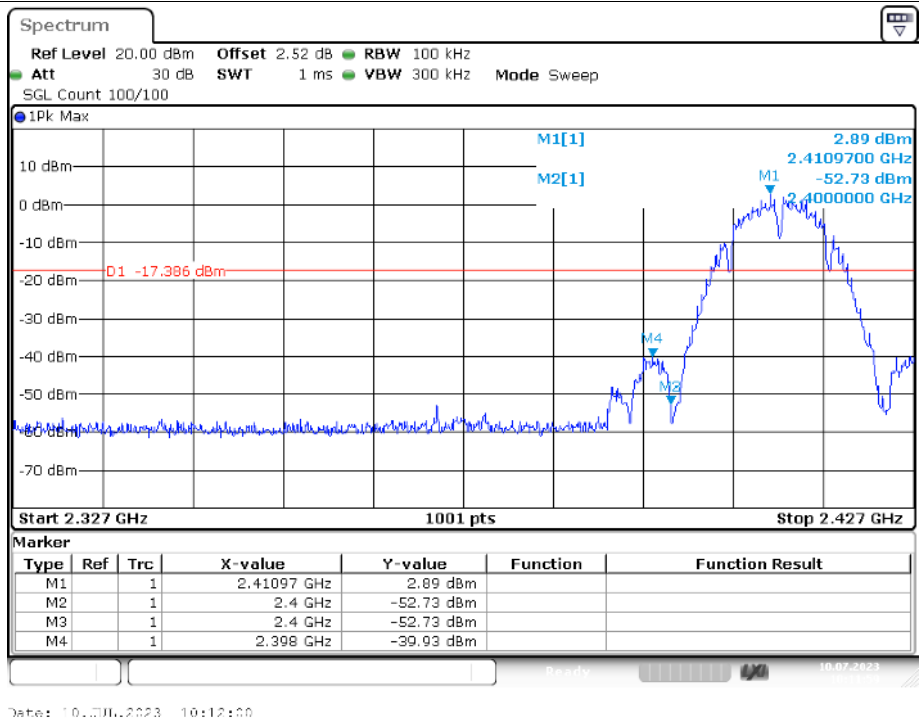
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-42.54	-20	Pass
NVNT	b	2462	Ant1	-56.79	-20	Pass
NVNT	g	2412	Ant1	-33.78	-20	Pass
NVNT	g	2462	Ant1	-45.09	-20	Pass
NVNT	n20	2412	Ant1	-35.17	-20	Pass
NVNT	n20	2462	Ant1	-45.27	-20	Pass

Test Graphs

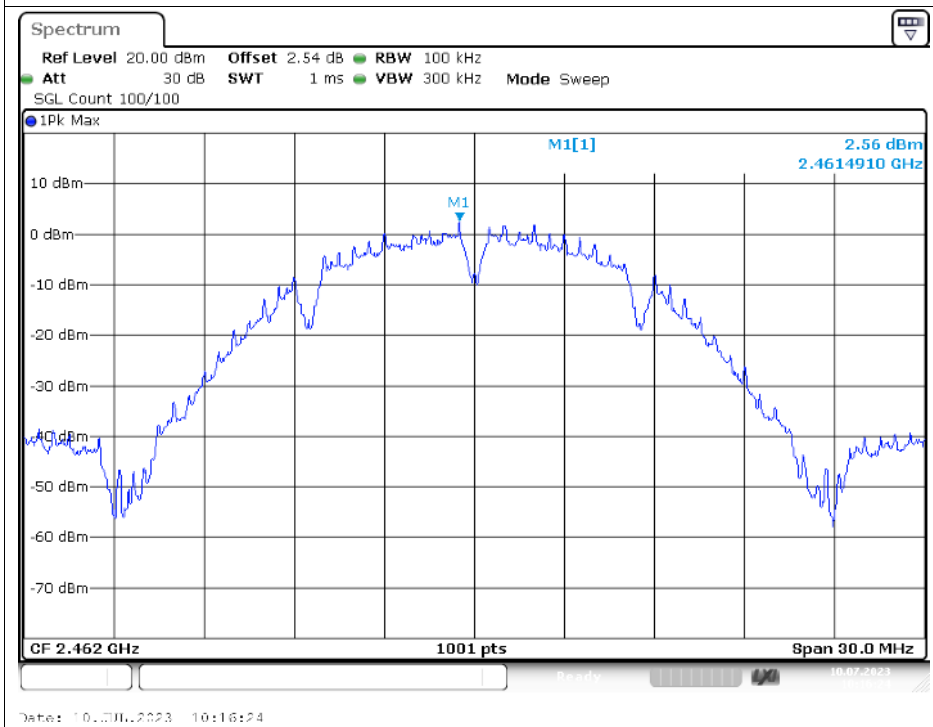
Band Edge NVNT b 2412MHz Ant1 Ref



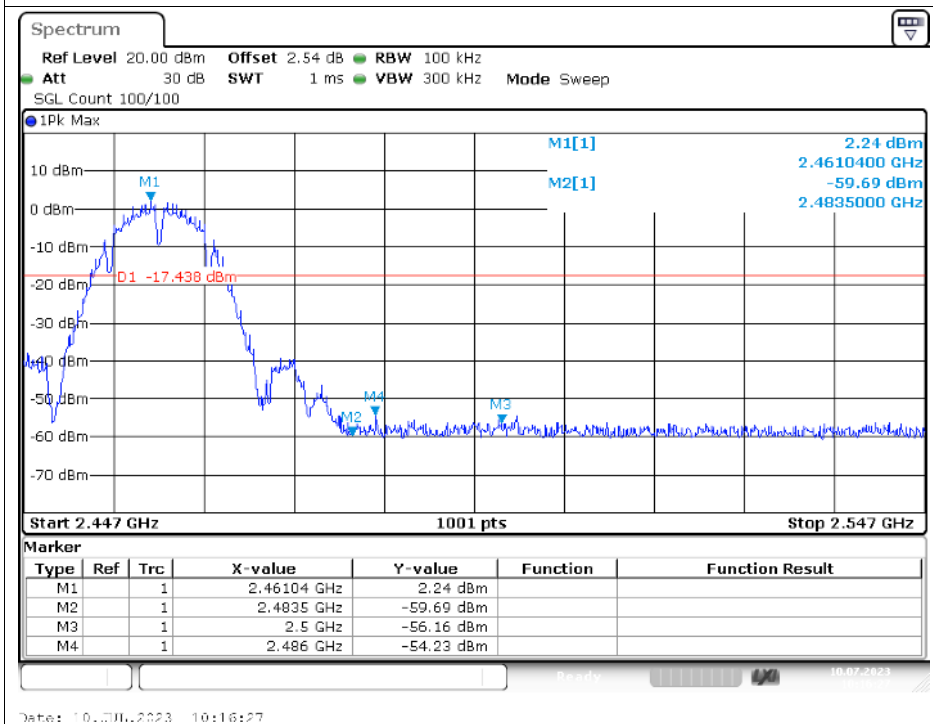
Band Edge NVNT b 2412MHz Ant1 Emission



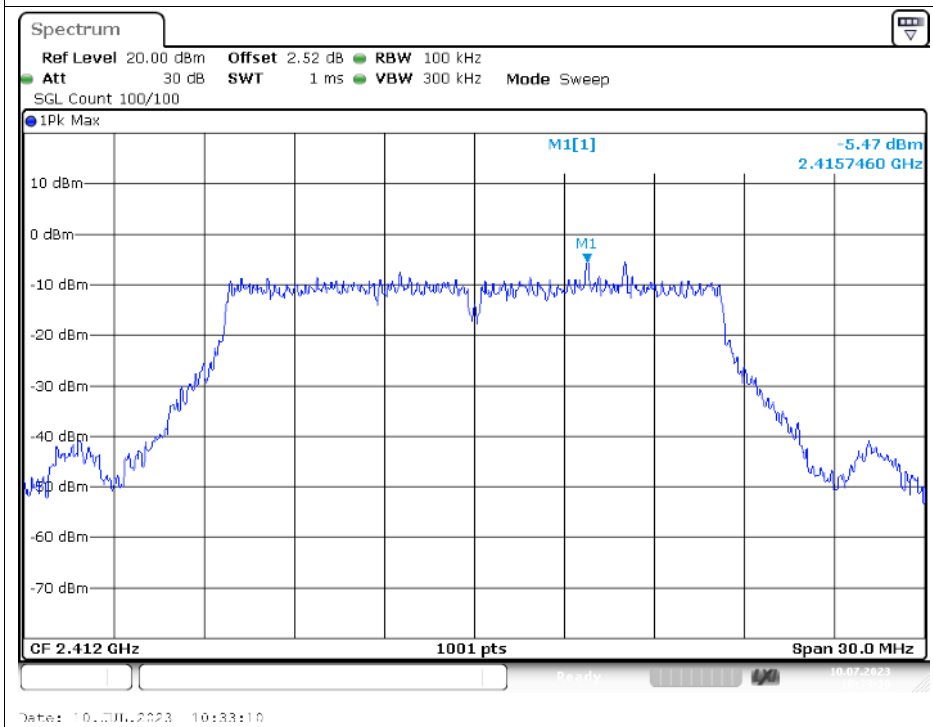
Band Edge NVNT b 2462MHz Ant1 Ref



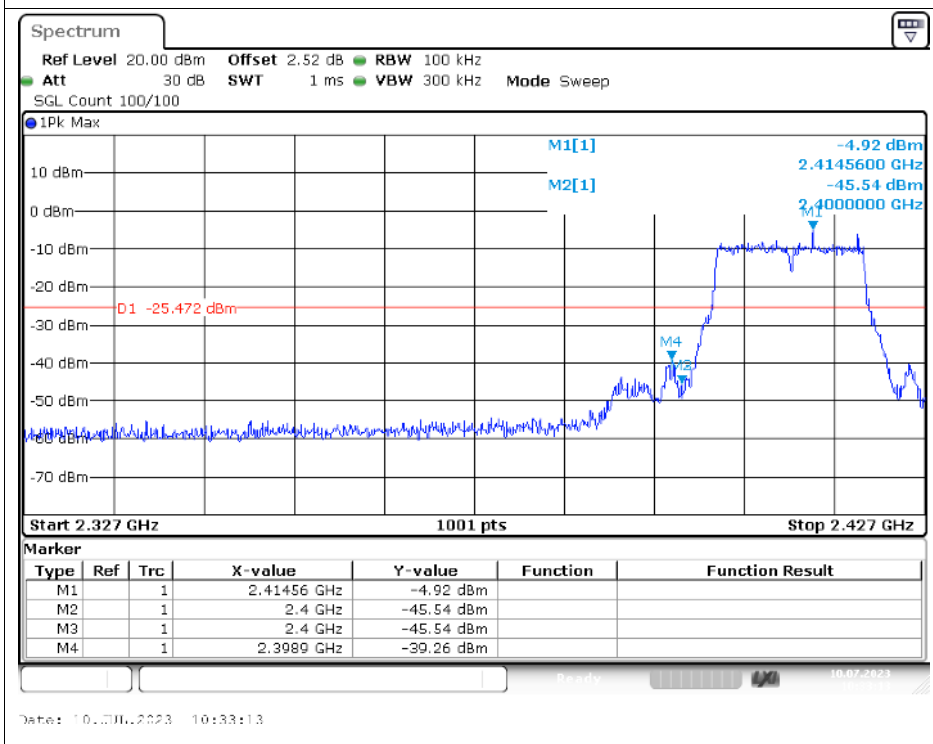
Band Edge NVNT b 2462MHz Ant1 Emission



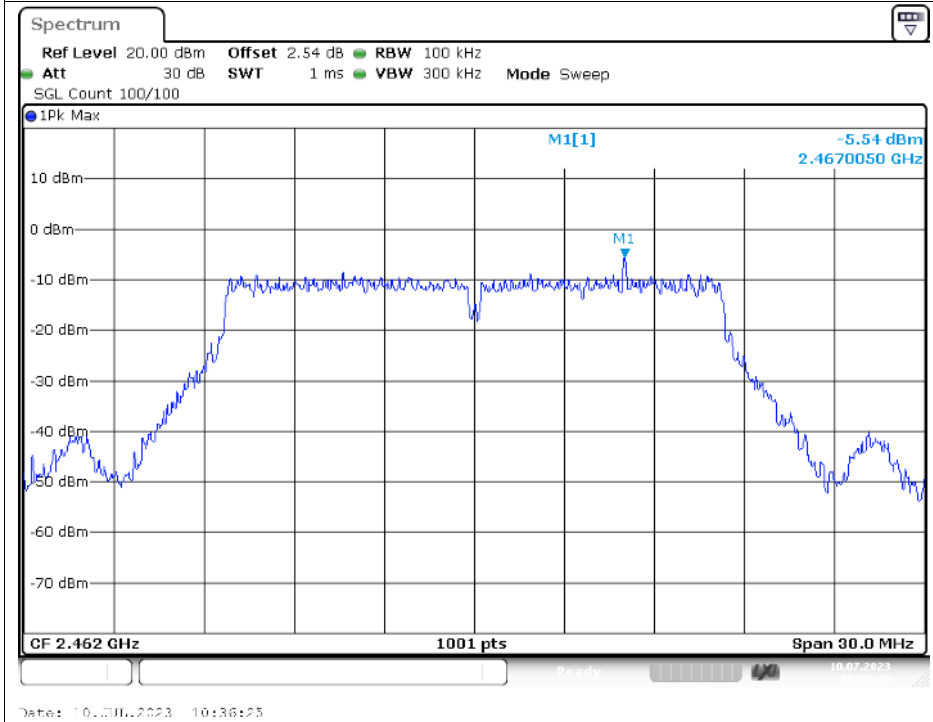
Band Edge NVNT g 2412MHz Ant1 Ref



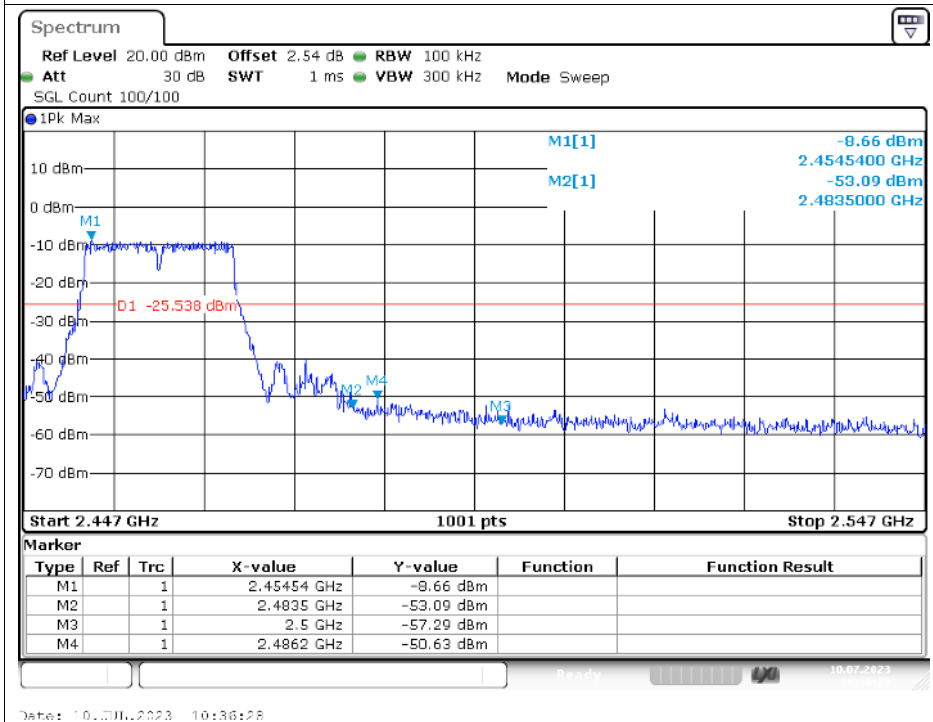
Band Edge NVNT g 2412MHz Ant1 Emission



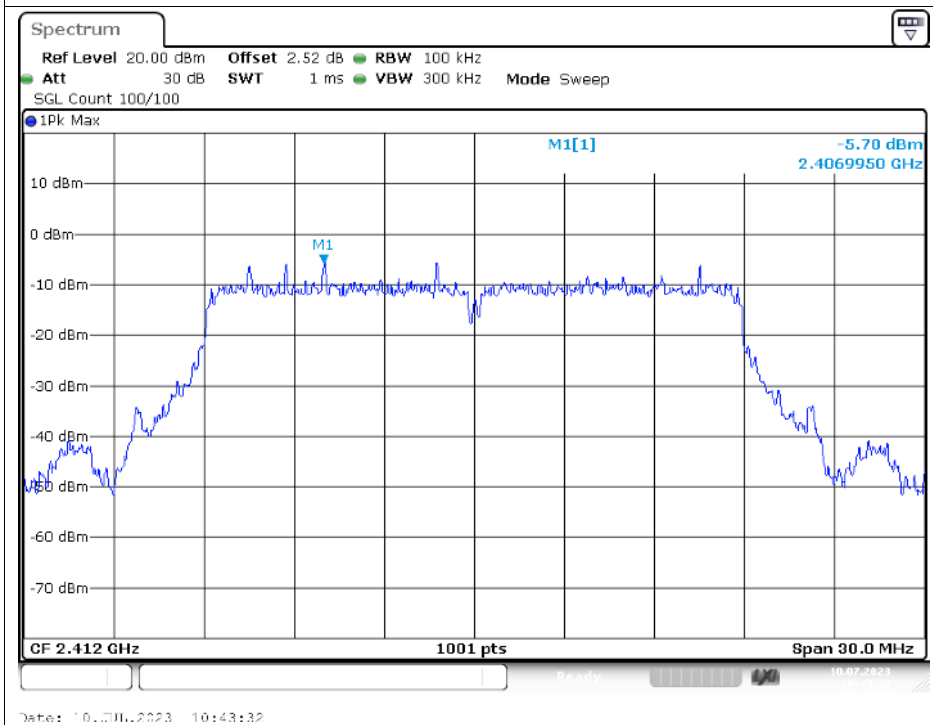
Band Edge NVNT g 2462MHz Ant1 Ref



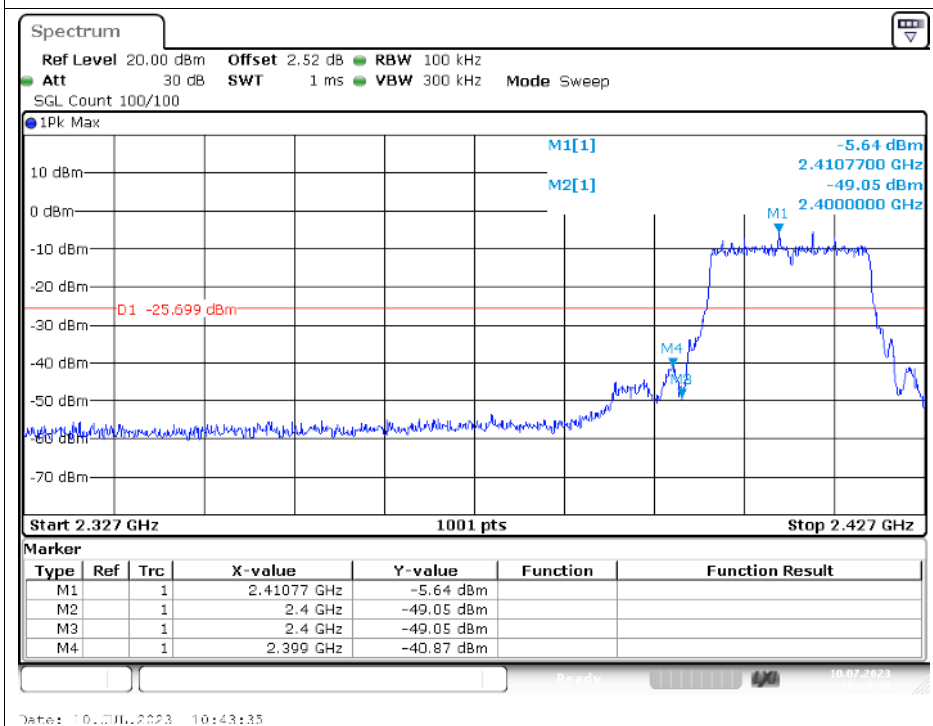
Band Edge NVNT g 2462MHz Ant1 Emission



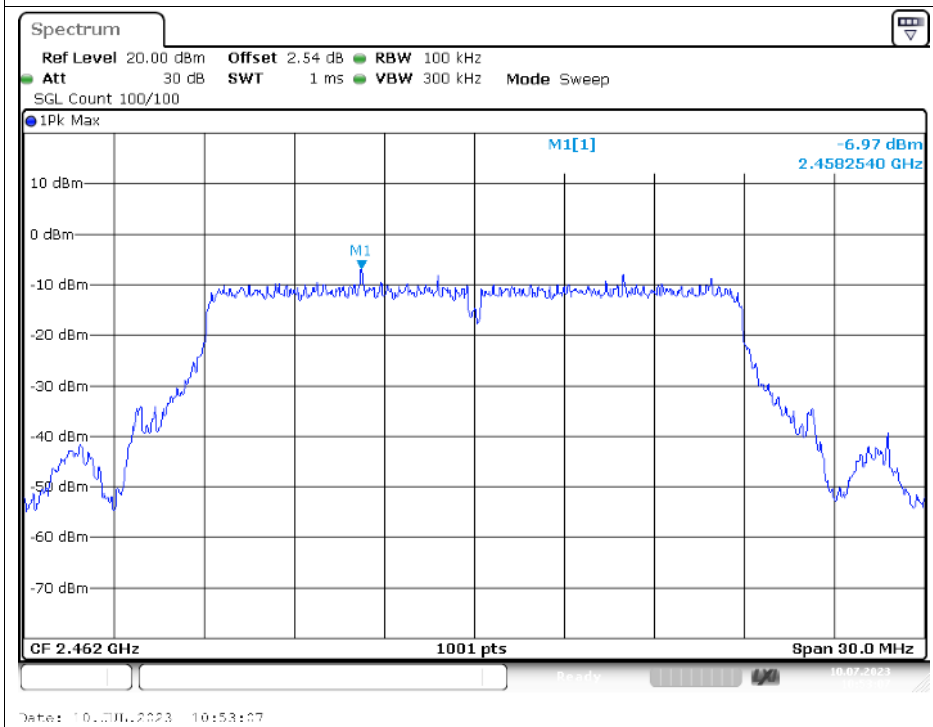
Band Edge NVNT n20 2412MHz Ant1 Ref



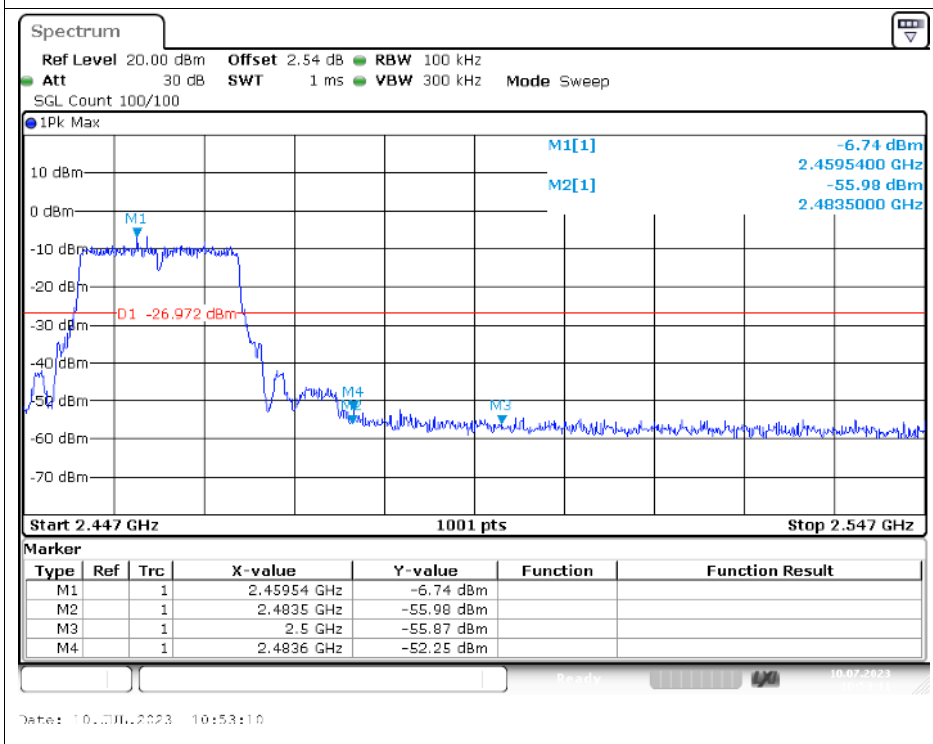
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission

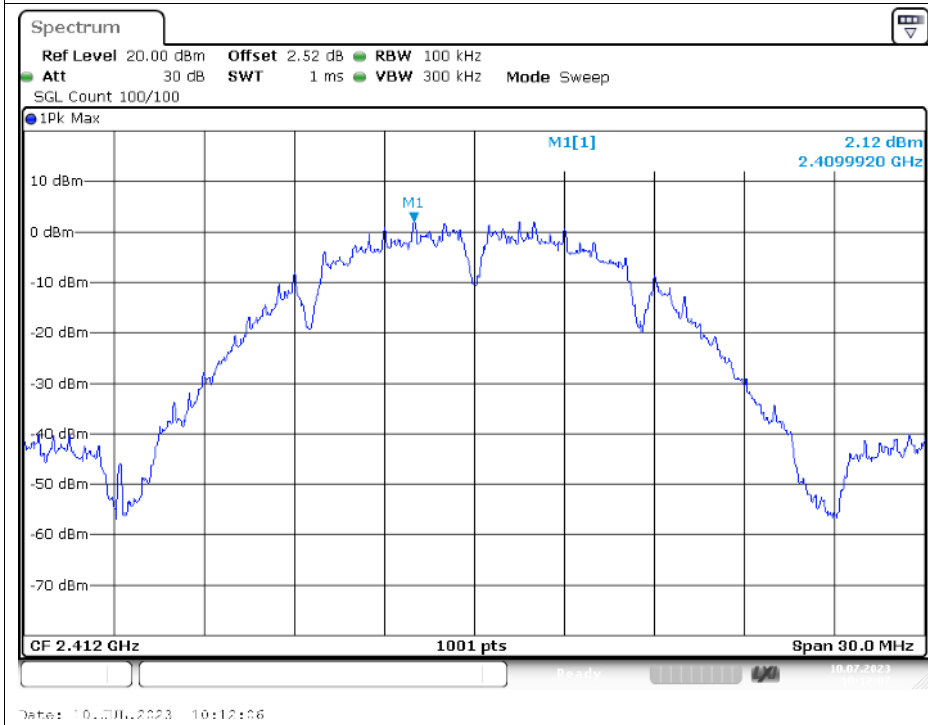


Conducted RF Spurious Emission

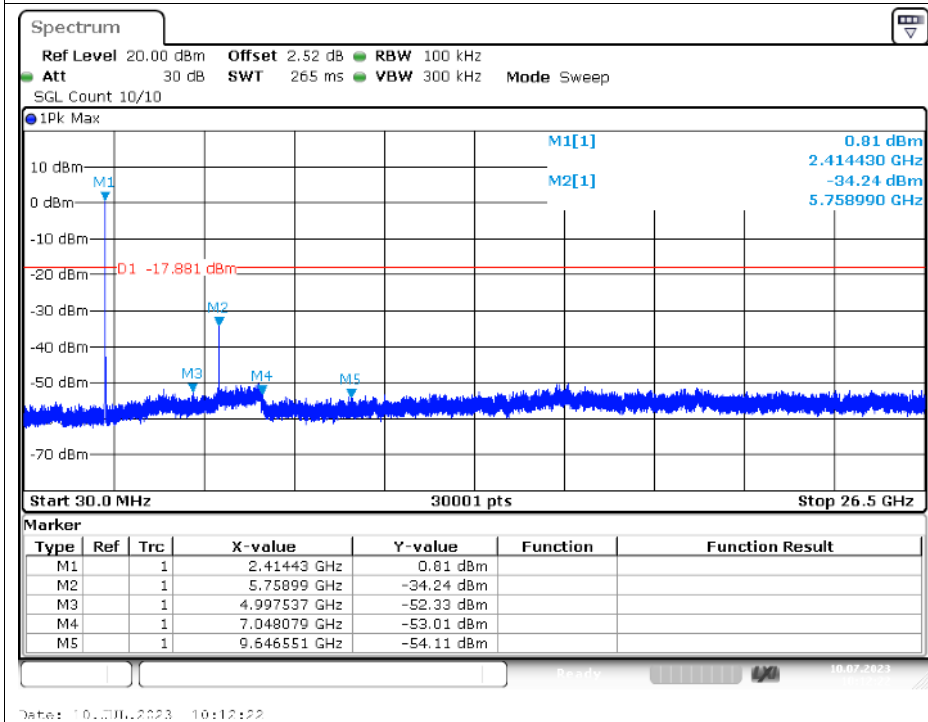
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-36.36	-20	Pass
NVNT	b	2437	Ant1	-52.37	-20	Pass
NVNT	b	2462	Ant1	-51.95	-20	Pass
NVNT	g	2412	Ant1	-43.95	-20	Pass
NVNT	g	2437	Ant1	-44.32	-20	Pass
NVNT	g	2462	Ant1	-28.47	-20	Pass
NVNT	n20	2412	Ant1	-43.28	-20	Pass
NVNT	n20	2437	Ant1	-44.46	-20	Pass
NVNT	n20	2462	Ant1	-43.81	-20	Pass

Test Graphs

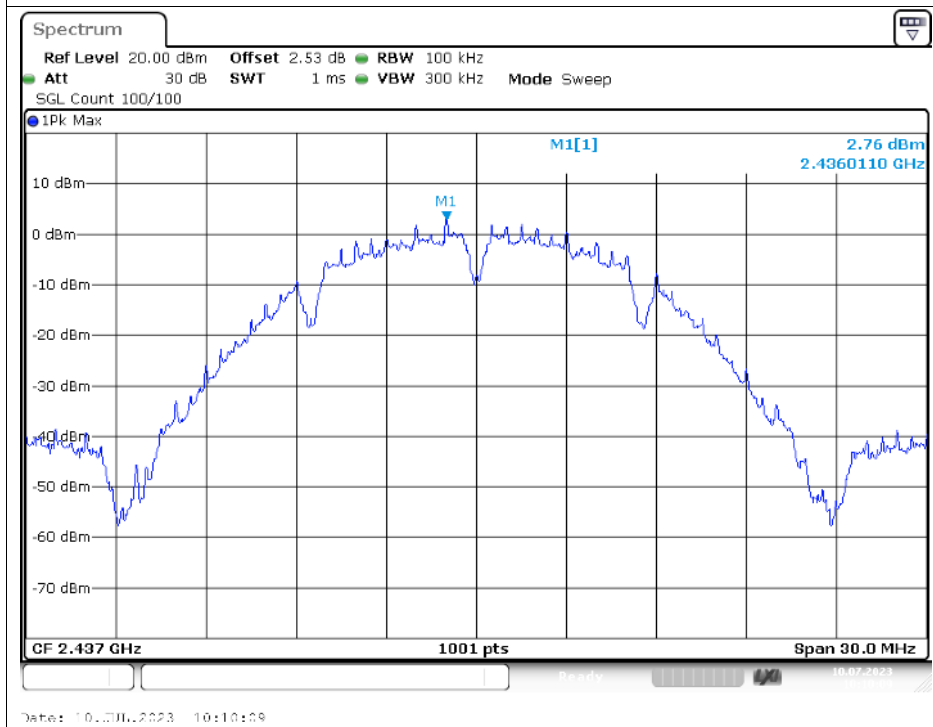
Tx. Spurious NVNT b 2412MHz Ant1 Ref



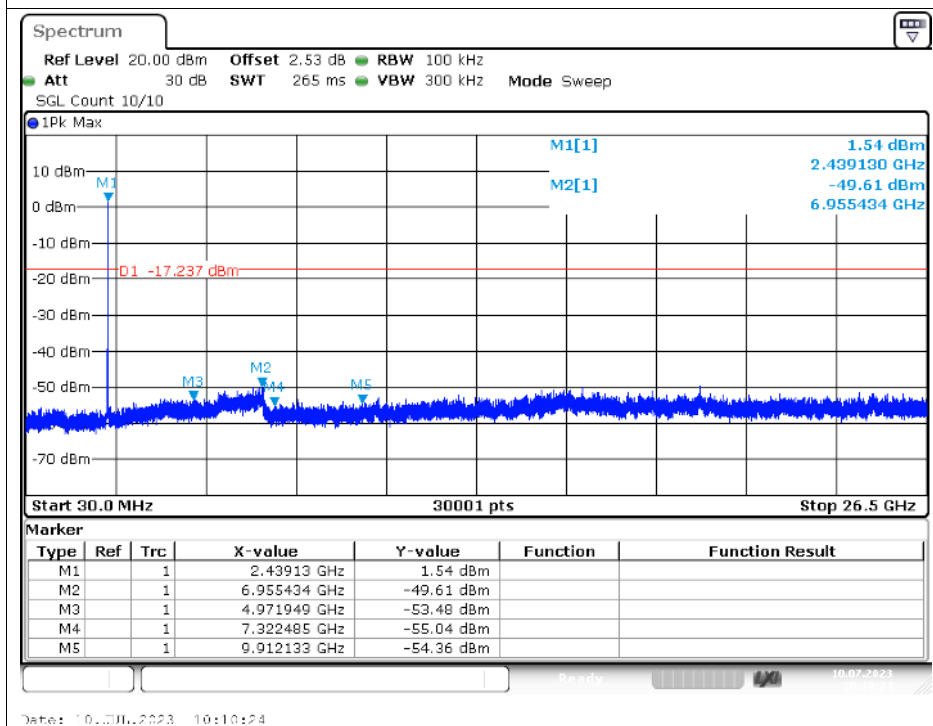
Tx. Spurious NVNT b 2412MHz Ant1 Emission



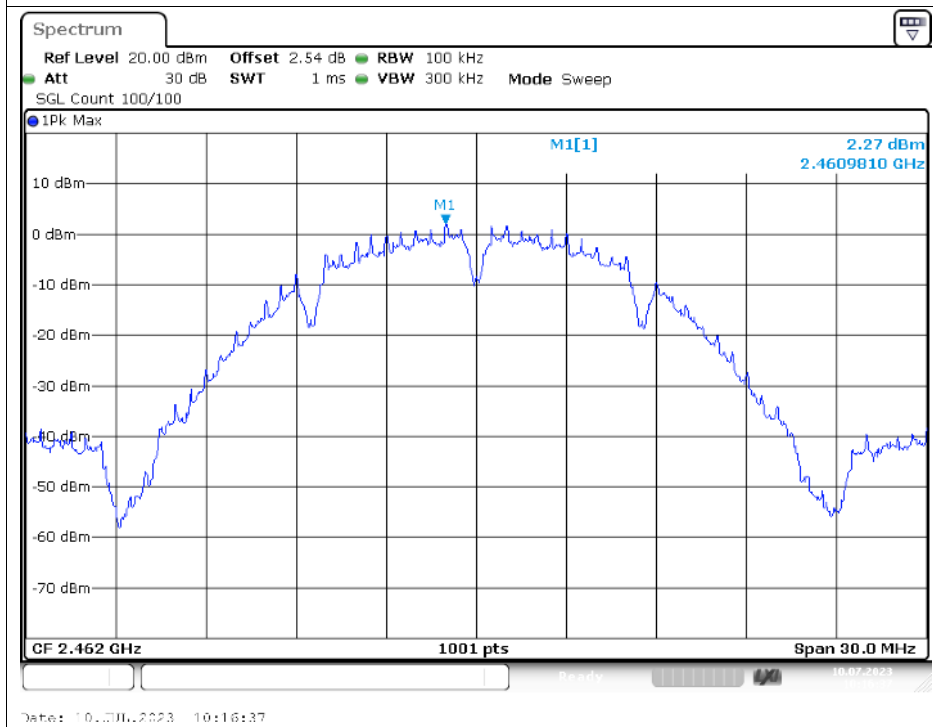
Tx. Spurious NVNT b 2437MHz Ant1 Ref



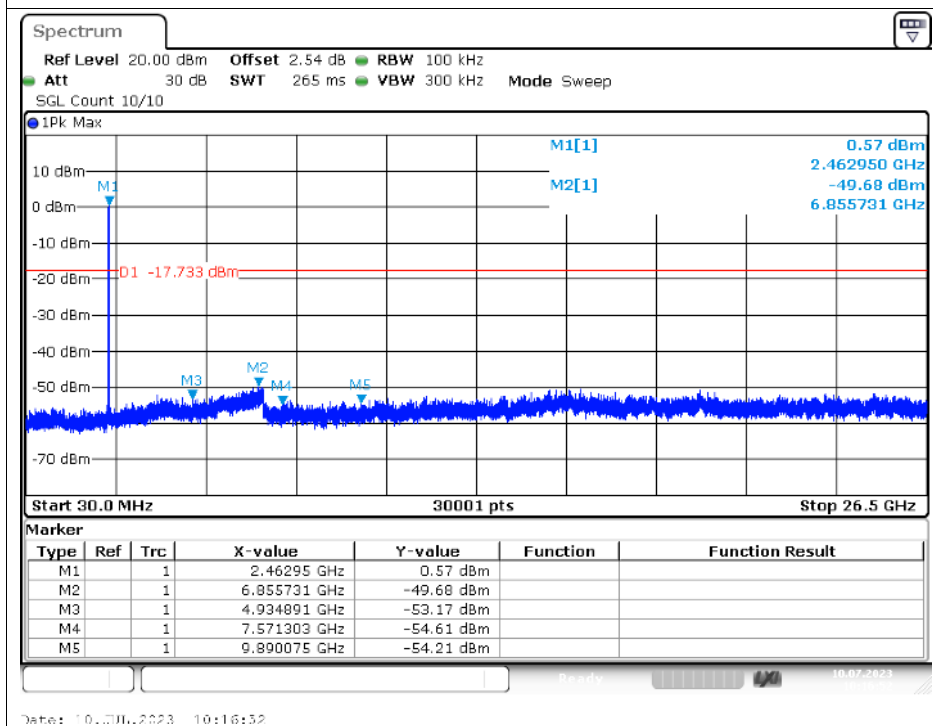
Tx. Spurious NVNT b 2437MHz Ant1 Emission



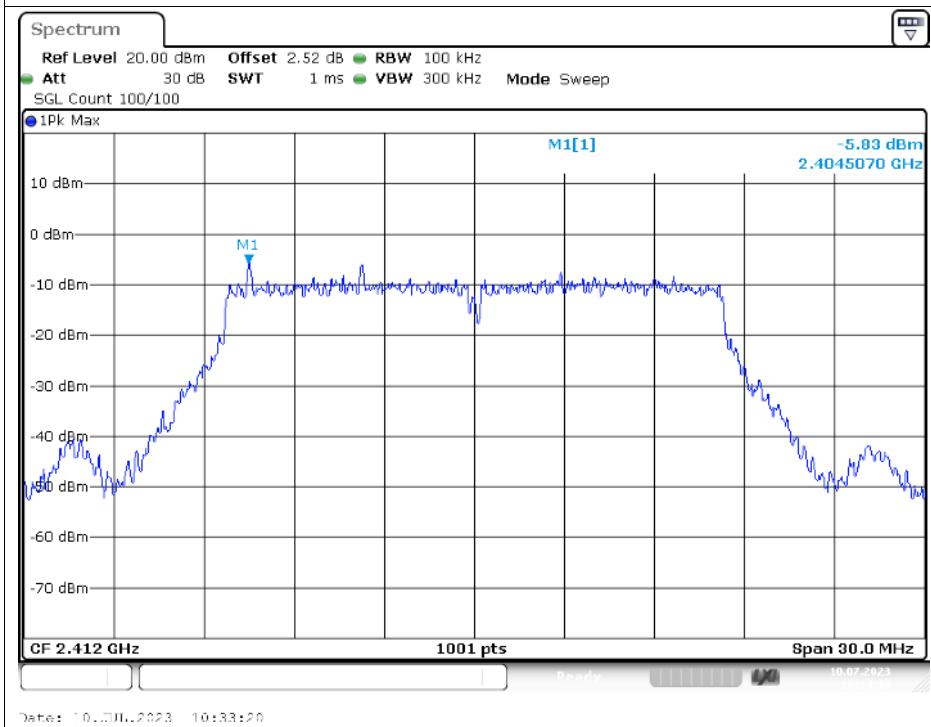
Tx. Spurious NVNT b 2462MHz Ant1 Ref



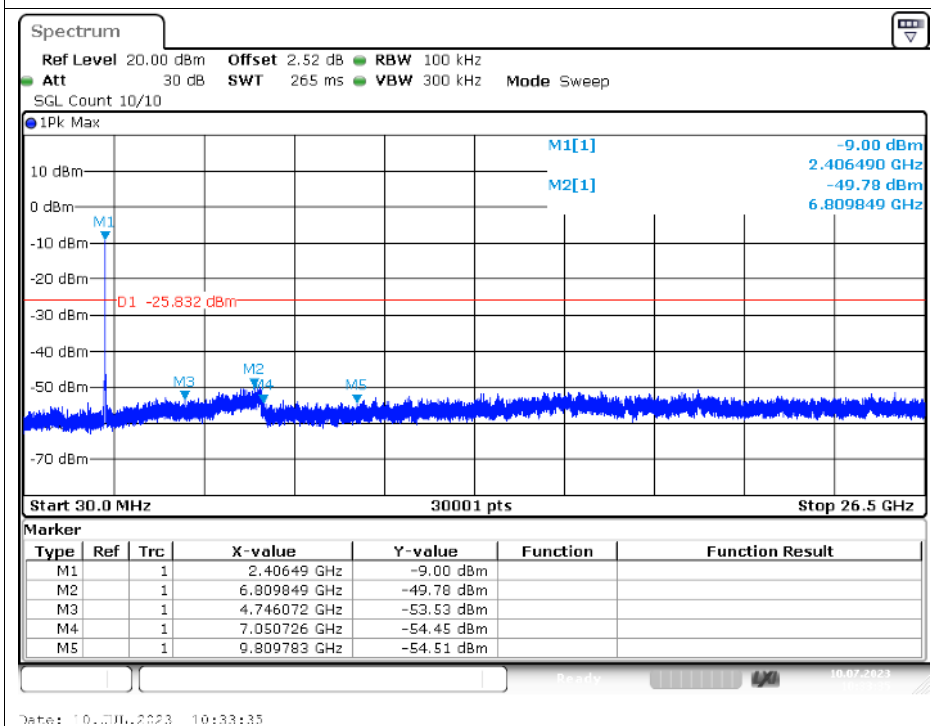
Tx. Spurious NVNT b 2462MHz Ant1 Emission



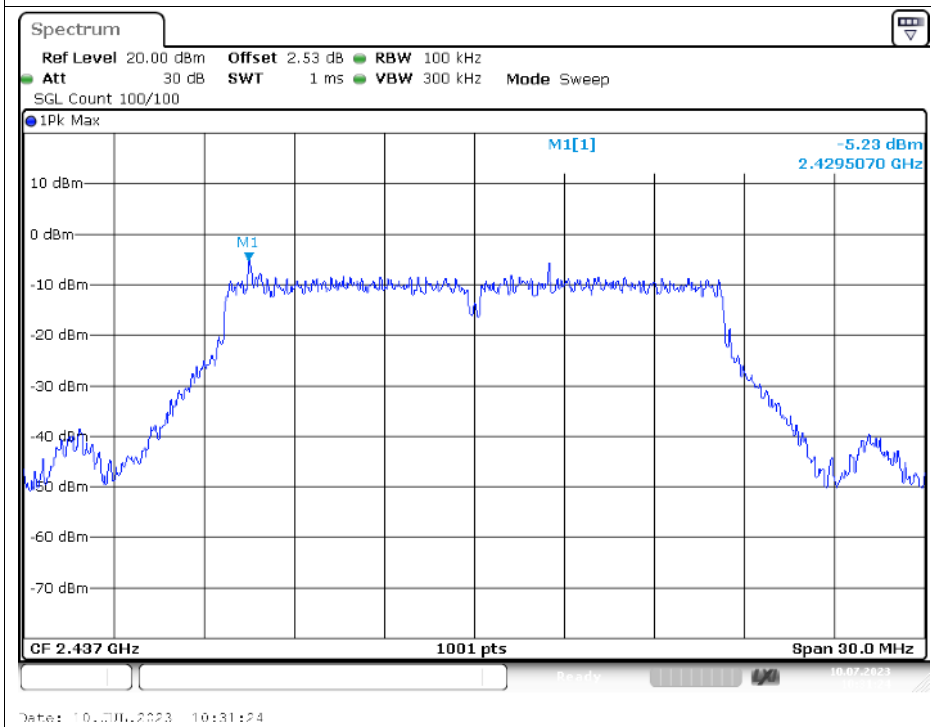
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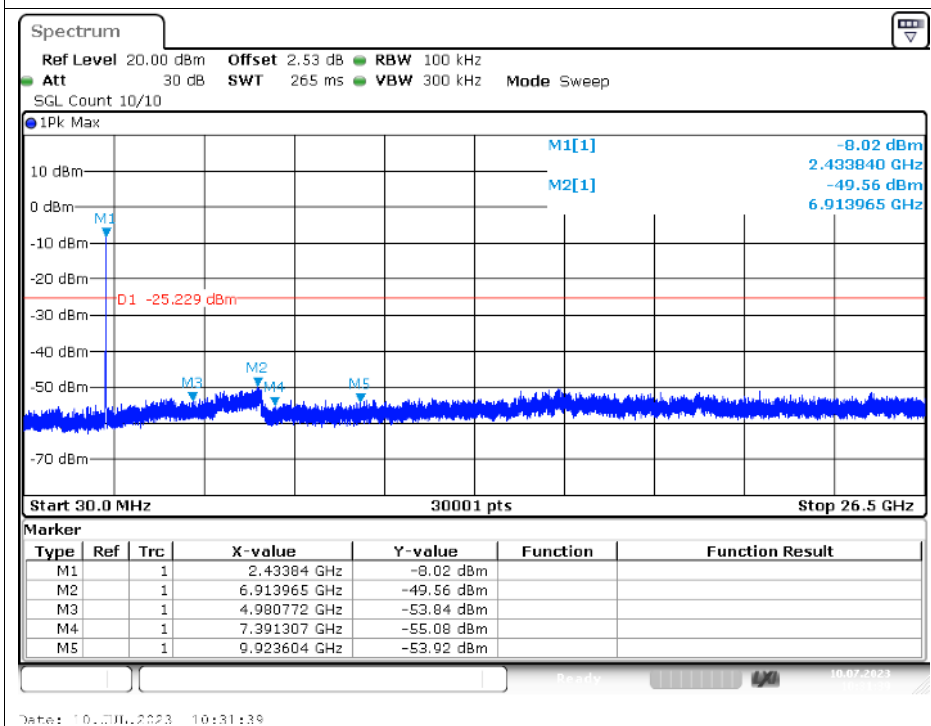
Tx. Spurious NVNT g 2412MHz Ant1 Emission



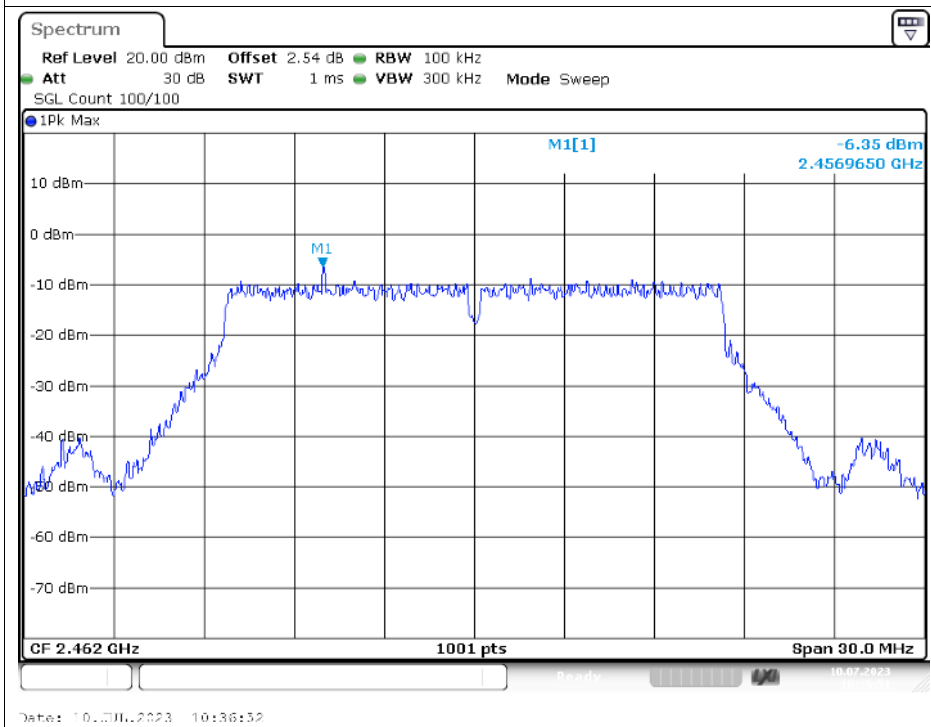
Tx. Spurious NVNT g 2437MHz Ant1 Ref



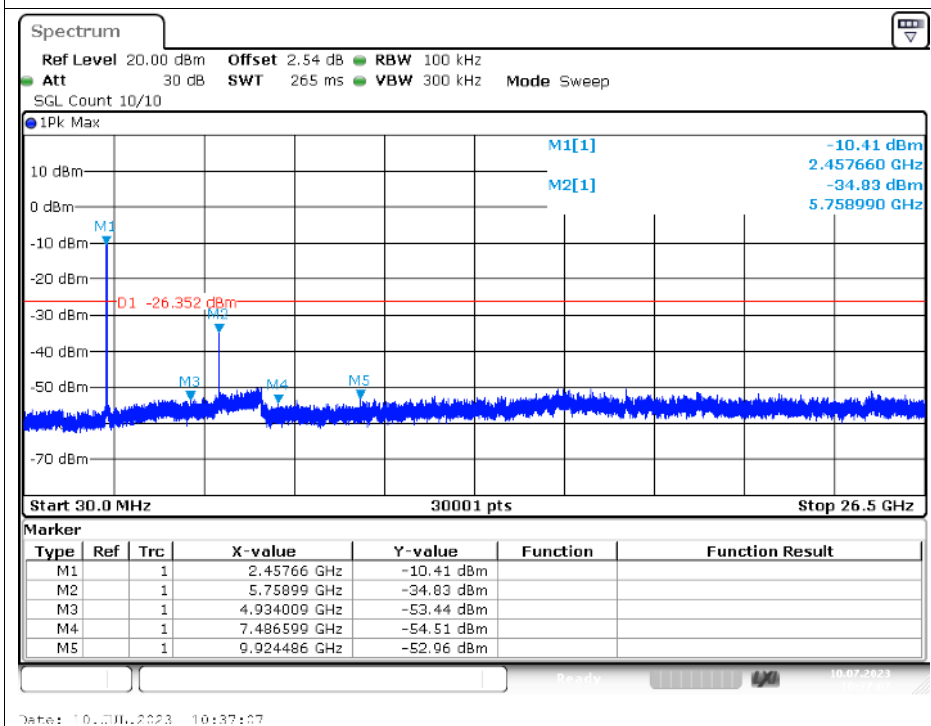
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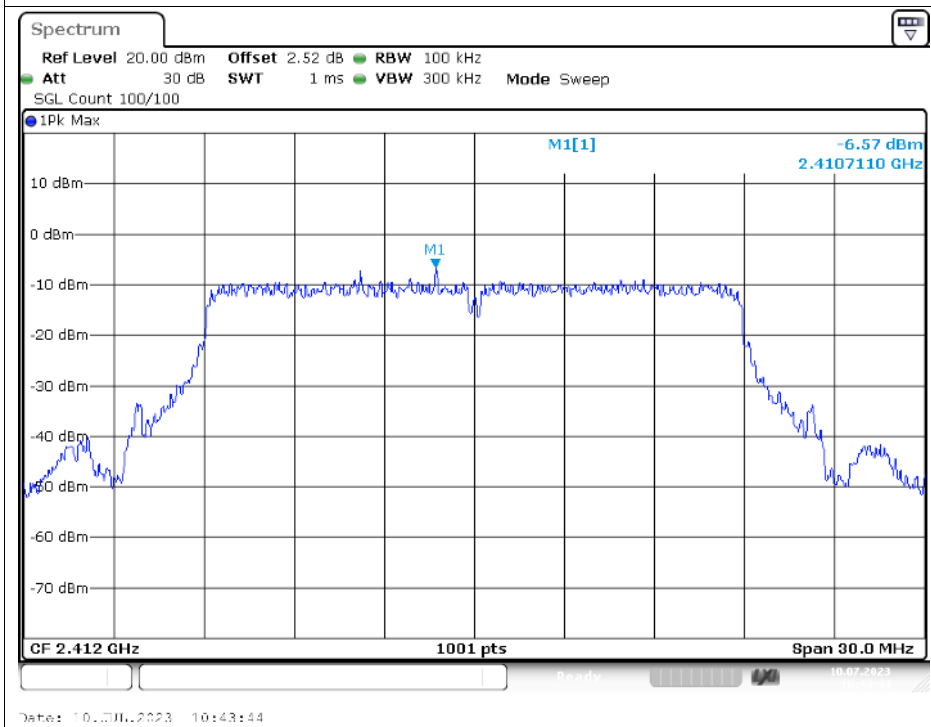
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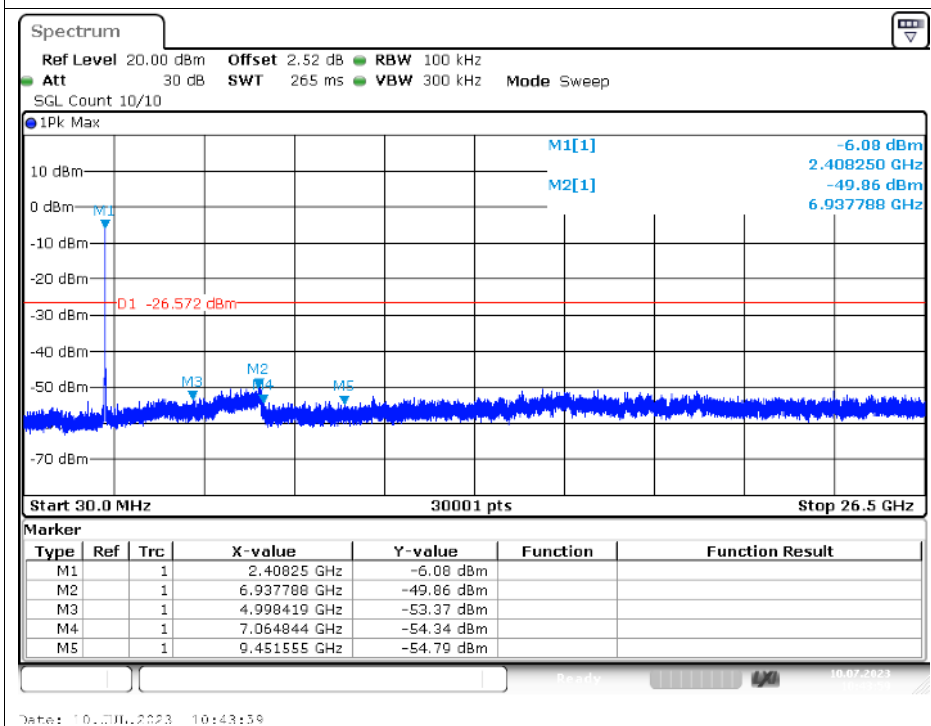
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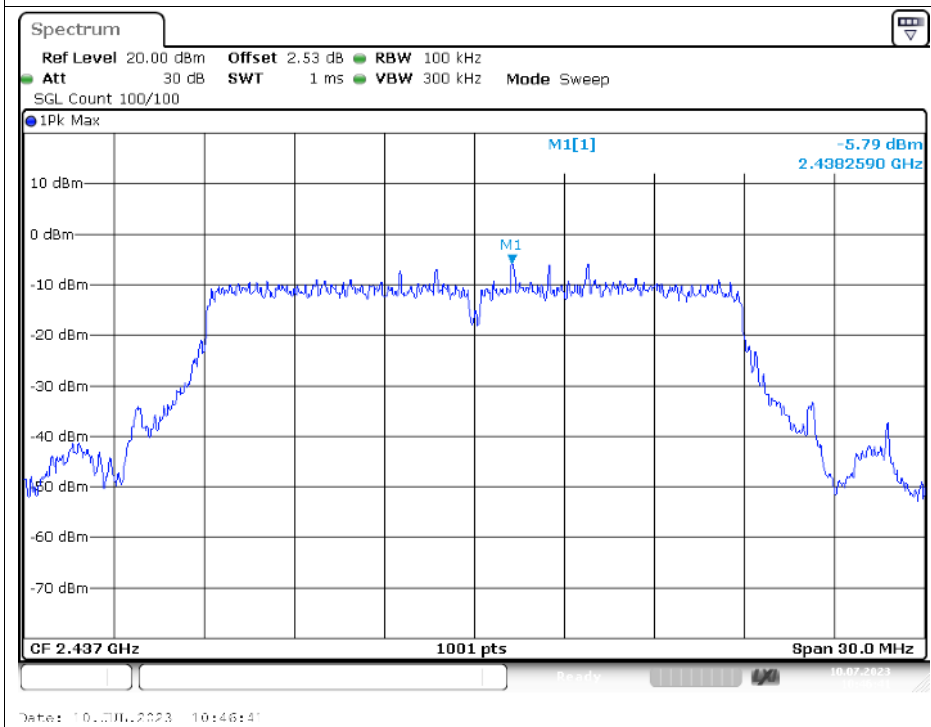
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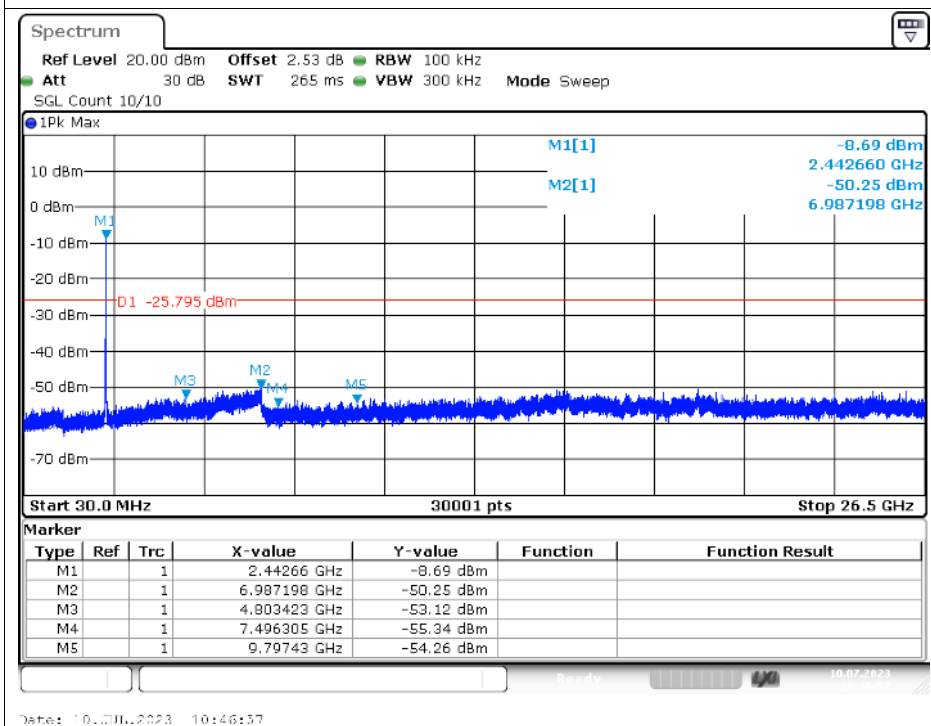
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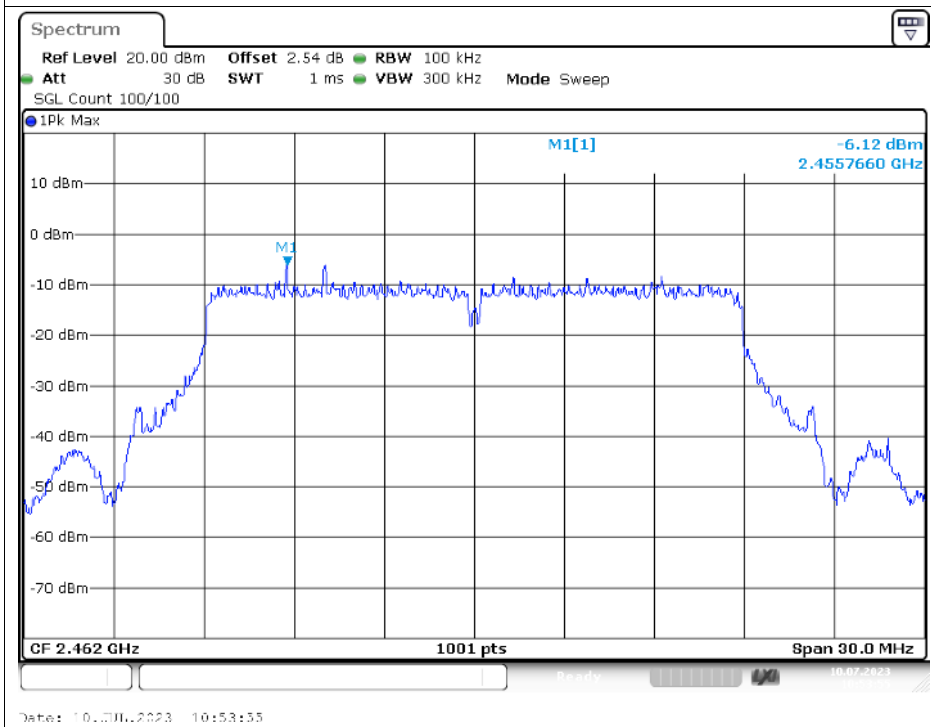
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission

