

Appendix: 2.4G WIFI

Contents

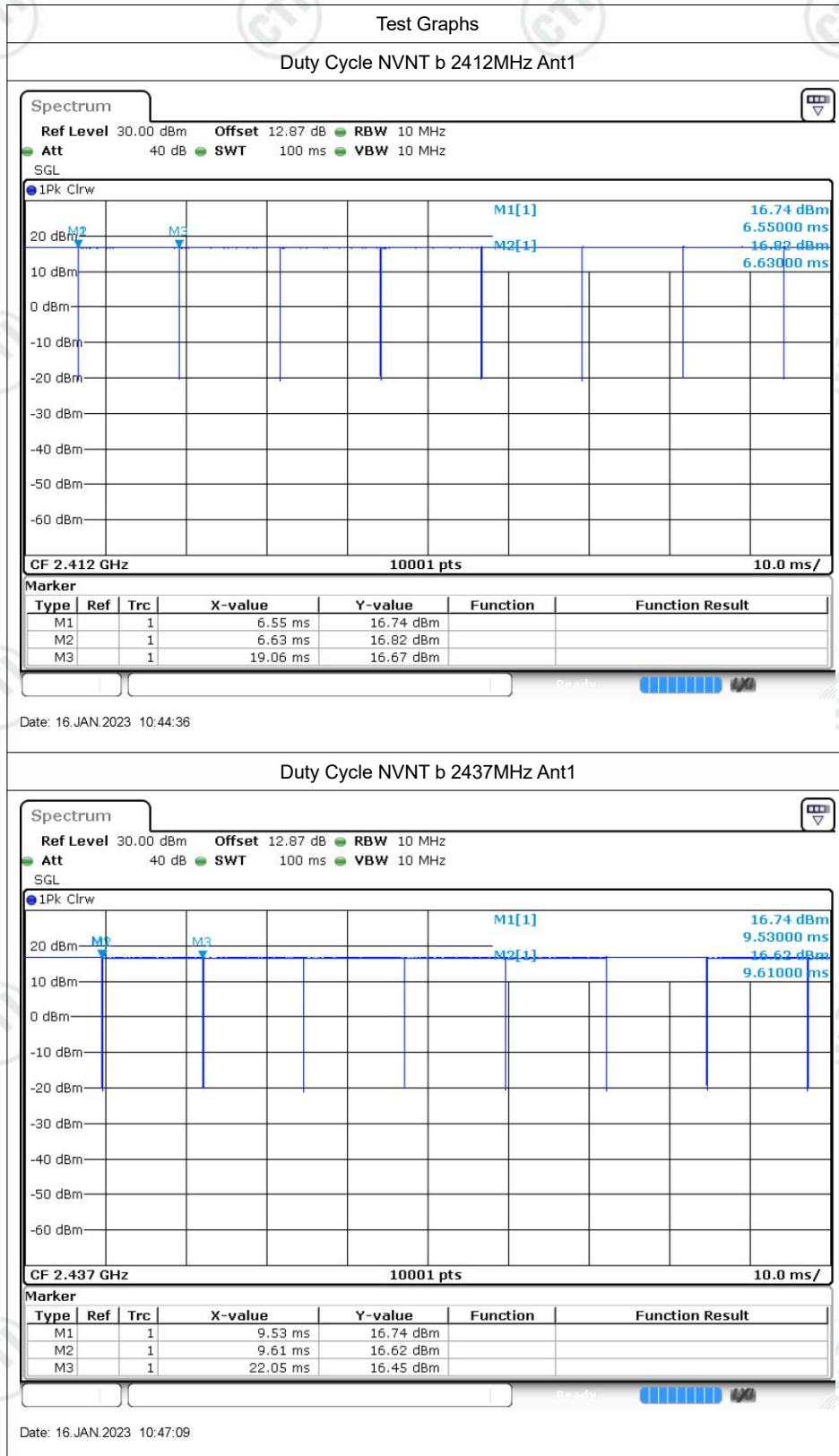
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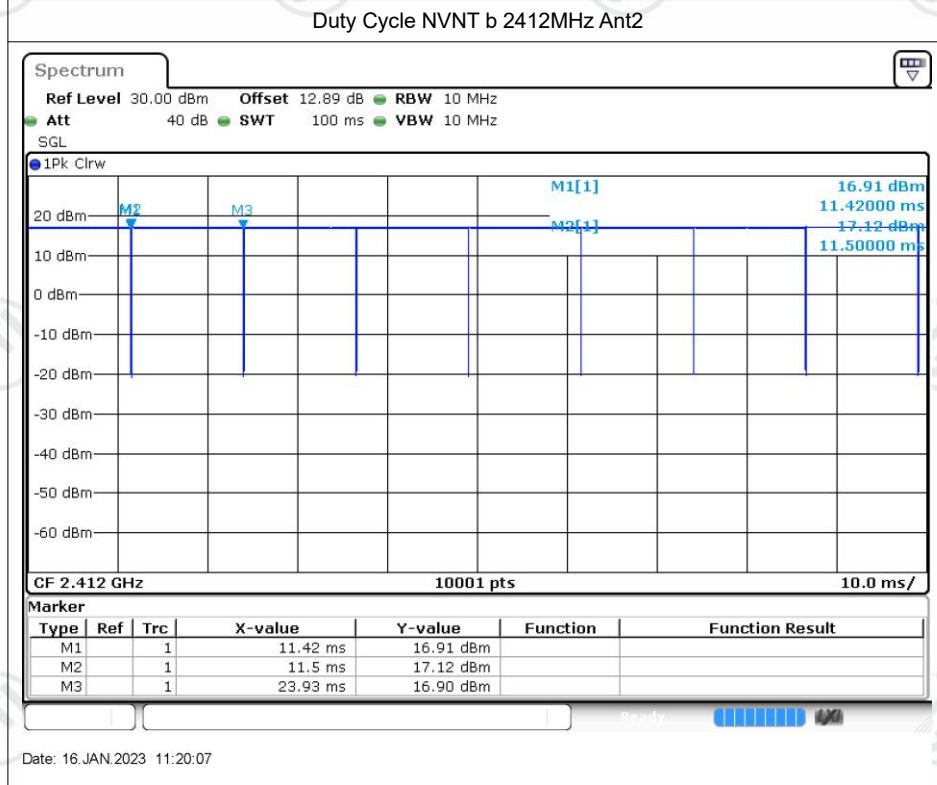
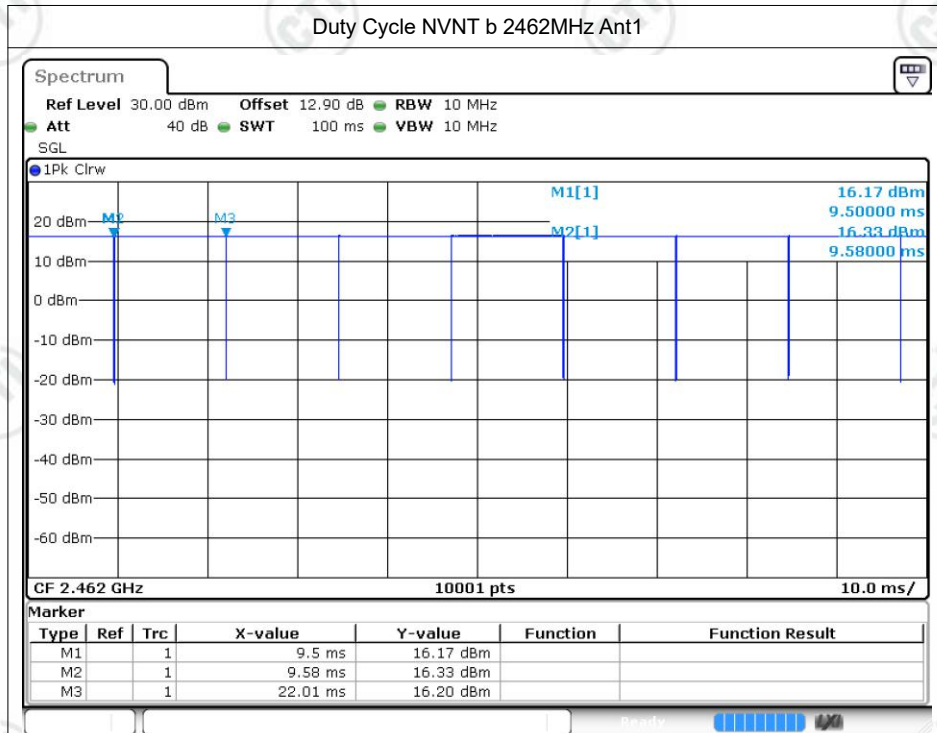
Duty Cycle

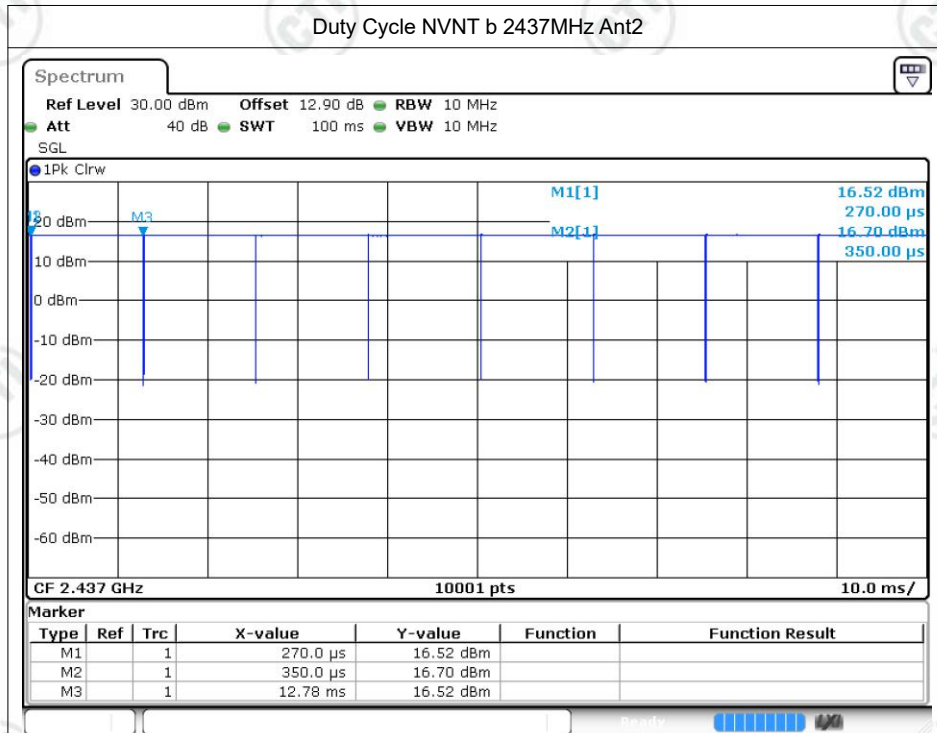
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T _(on) (kHz)
NVNT	b	2412	Ant1	99.36	0	0.08
NVNT	b	2437	Ant1	99.36	0	0.08
NVNT	b	2462	Ant1	99.36	0	0.08
NVNT	b	2412	Ant2	99.36	0	0.08
NVNT	b	2437	Ant2	99.36	0	0.08
NVNT	b	2462	Ant2	99.36	0	0.08
NVNT	g	2412	Ant1	96.05	0.18	0.48
NVNT	g	2437	Ant1	96.05	0.18	0.48
NVNT	g	2462	Ant1	96.05	0.18	0.48
NVNT	g	2412	Ant2	95.87	0.18	0.48
NVNT	g	2437	Ant2	95.91	0.18	0.48
NVNT	g	2462	Ant2	96.18	0.17	0.48
NVNT	n20	2412	Ant1	98.35	0	0.2
NVNT	n20	2437	Ant1	98.35	0	0.2
NVNT	n20	2462	Ant1	98.35	0	0.2
NVNT	n20	2412	Ant2	98.27	0	0.2
NVNT	n20	2437	Ant2	98.27	0	0.2
NVNT	n20	2462	Ant2	98.29	0	0.2
NVNT	n40	2422	Ant1	96.5	0.15	0.41
NVNT	n40	2437	Ant1	96.54	0.15	0.41
NVNT	n40	2452	Ant1	96.5	0.15	0.41
NVNT	n40	2422	Ant2	96.66	0.15	0.41
NVNT	n40	2437	Ant2	96.66	0.15	0.41
NVNT	n40	2452	Ant2	96.66	0.15	0.41

Note:

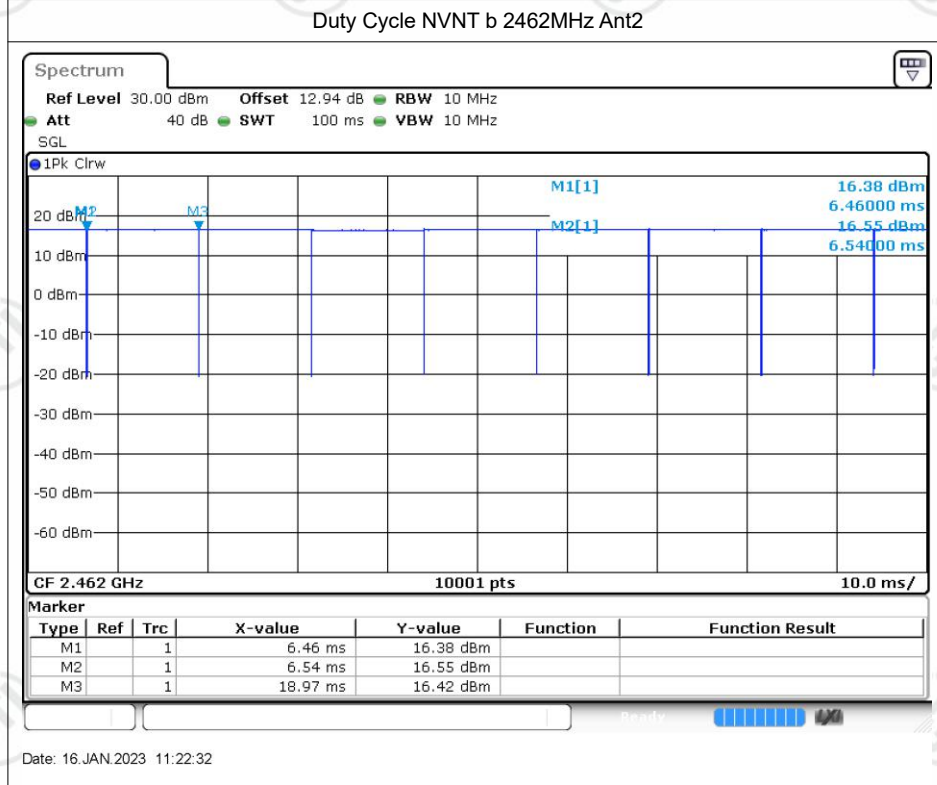
- 1.All measurements of maximum conducted (average) output power will be performed with the EUT transmitting continuously (i.e., with a duty cycle of greater than or equal to 98%).
- 2.Correction Factor (dB)=-10*log₁₀[Duty Cycle (%)].



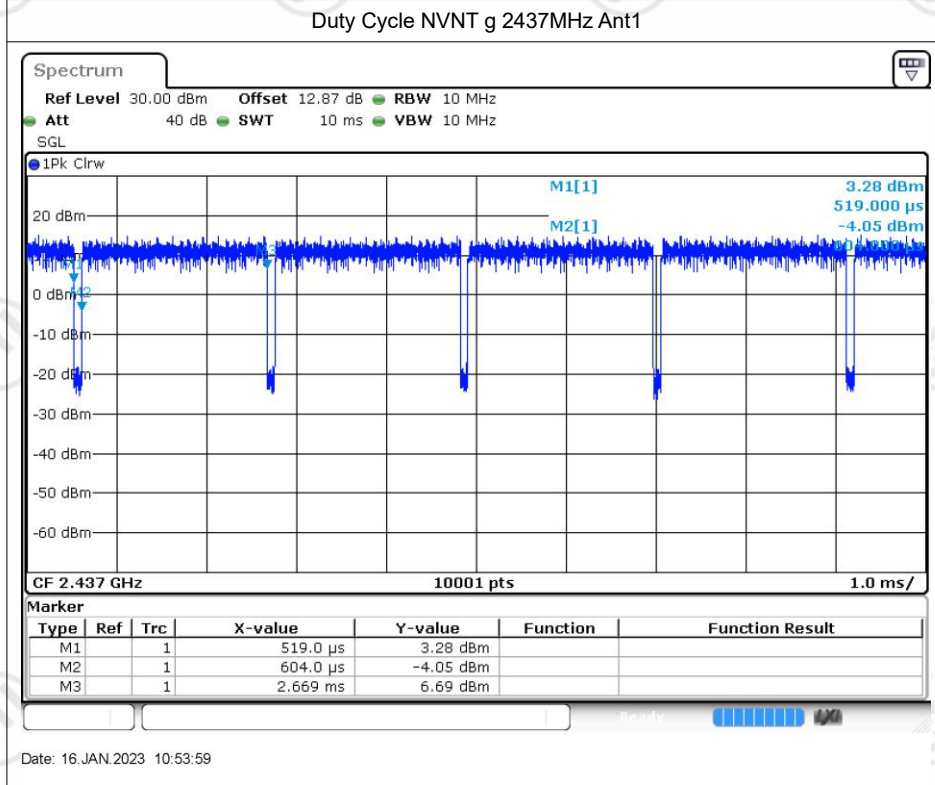
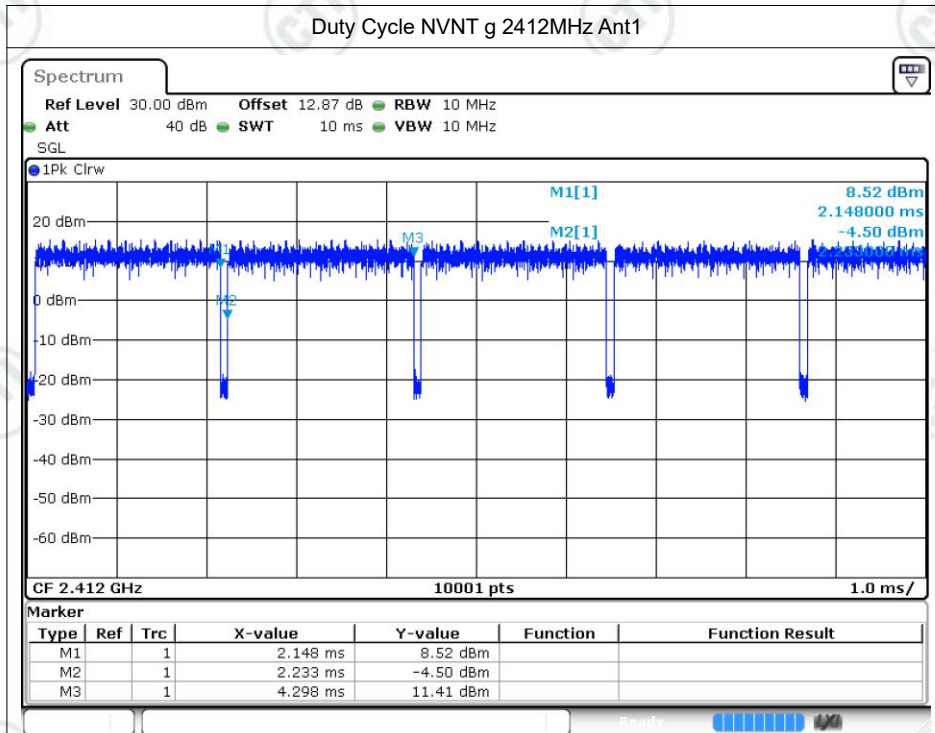


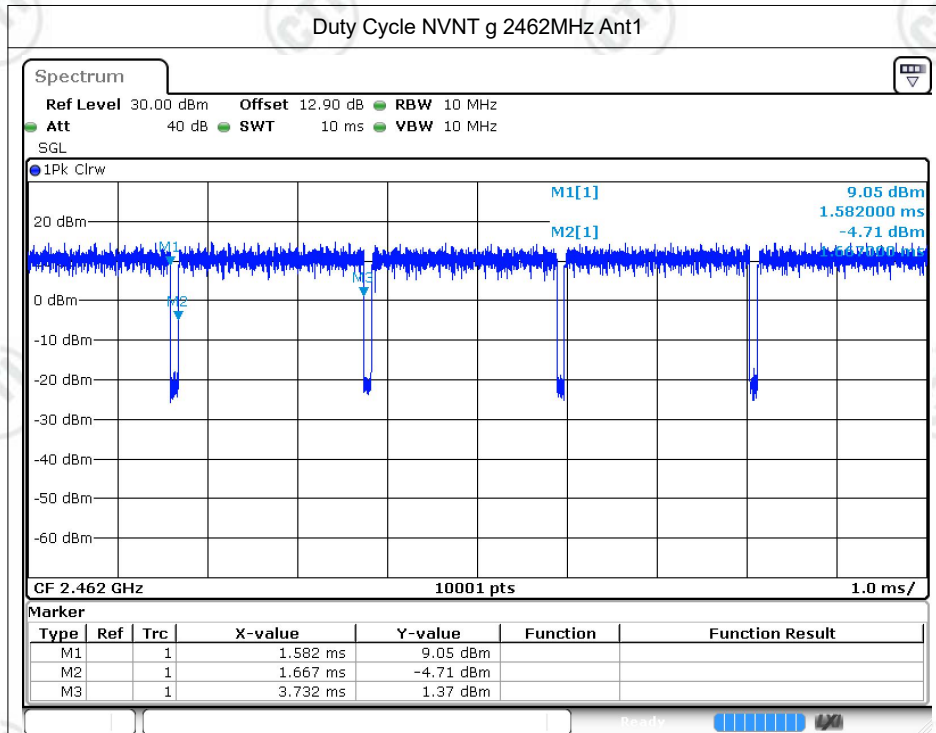


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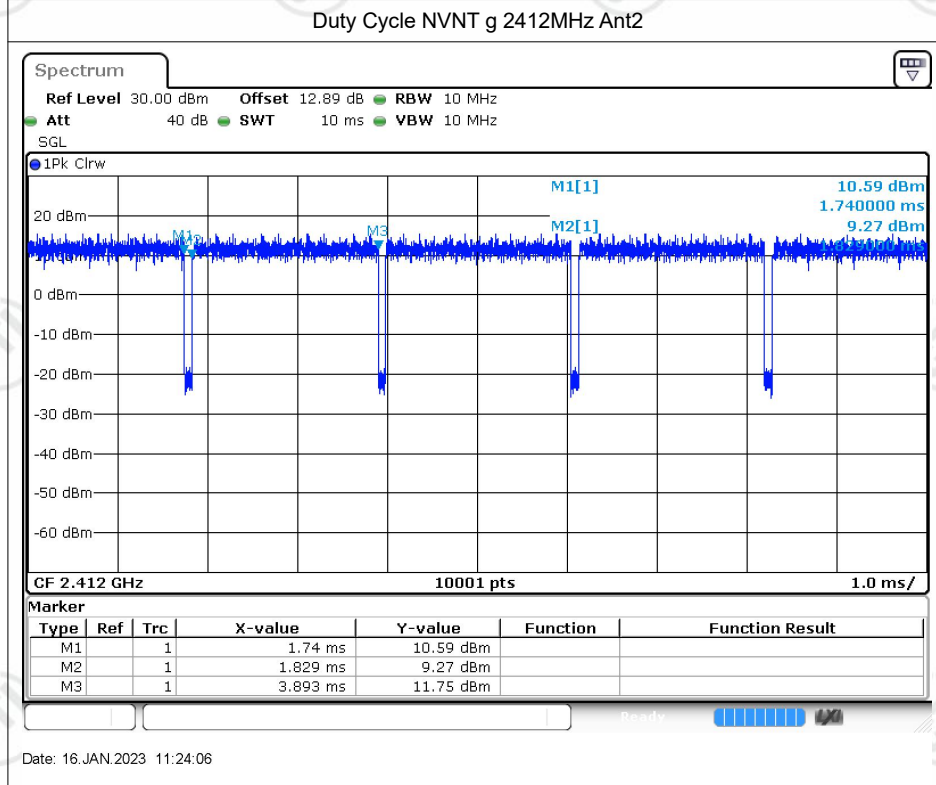


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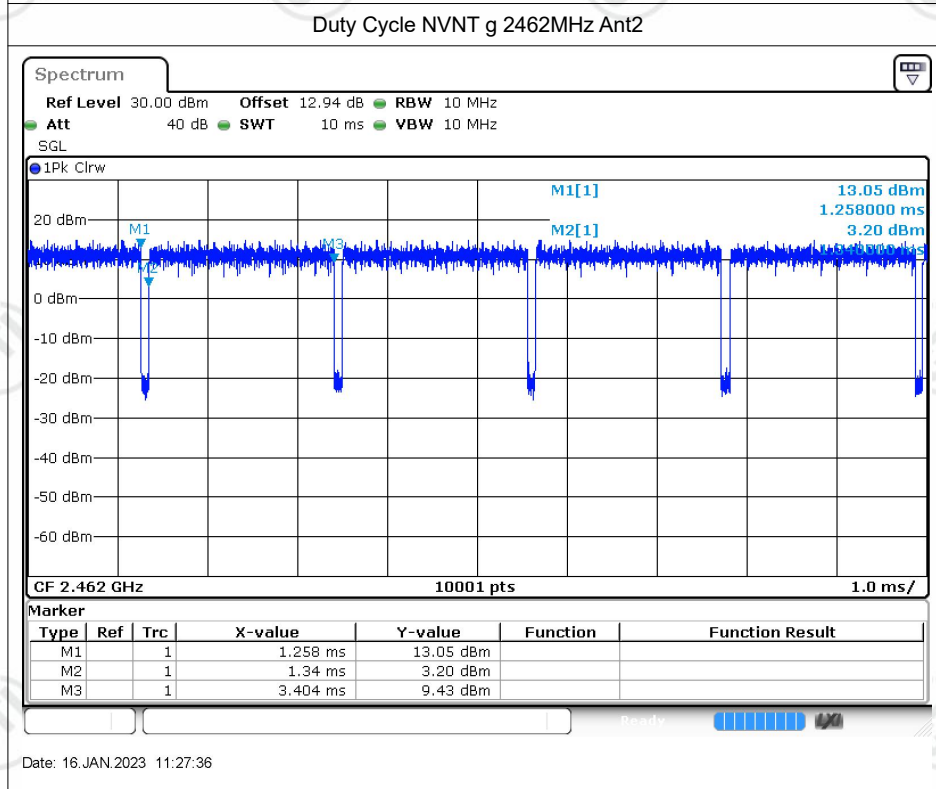
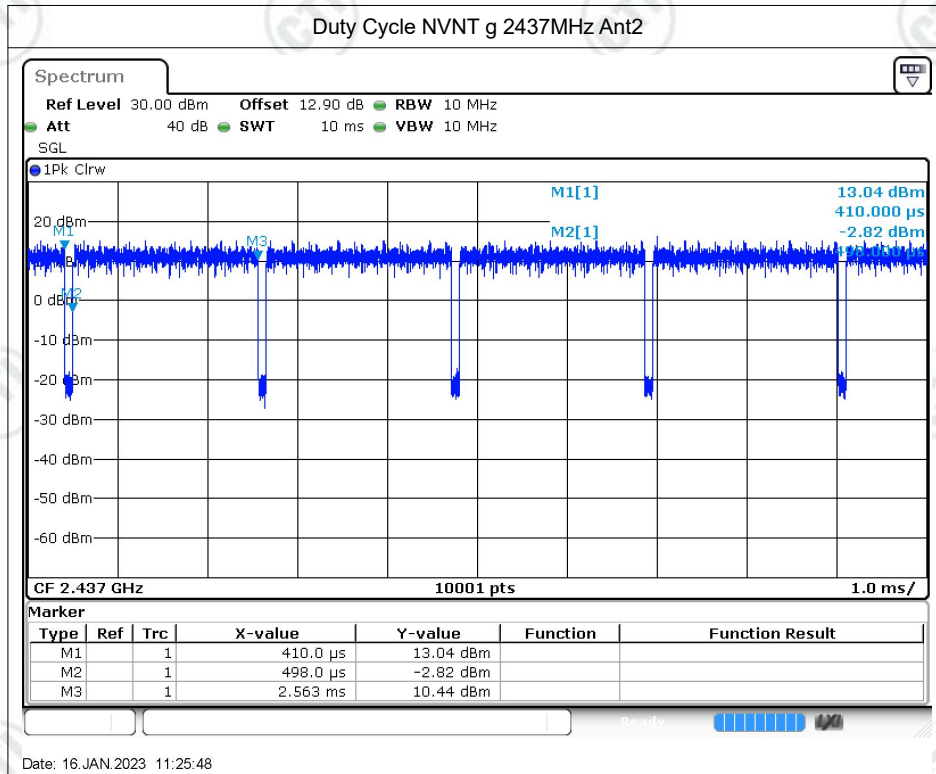


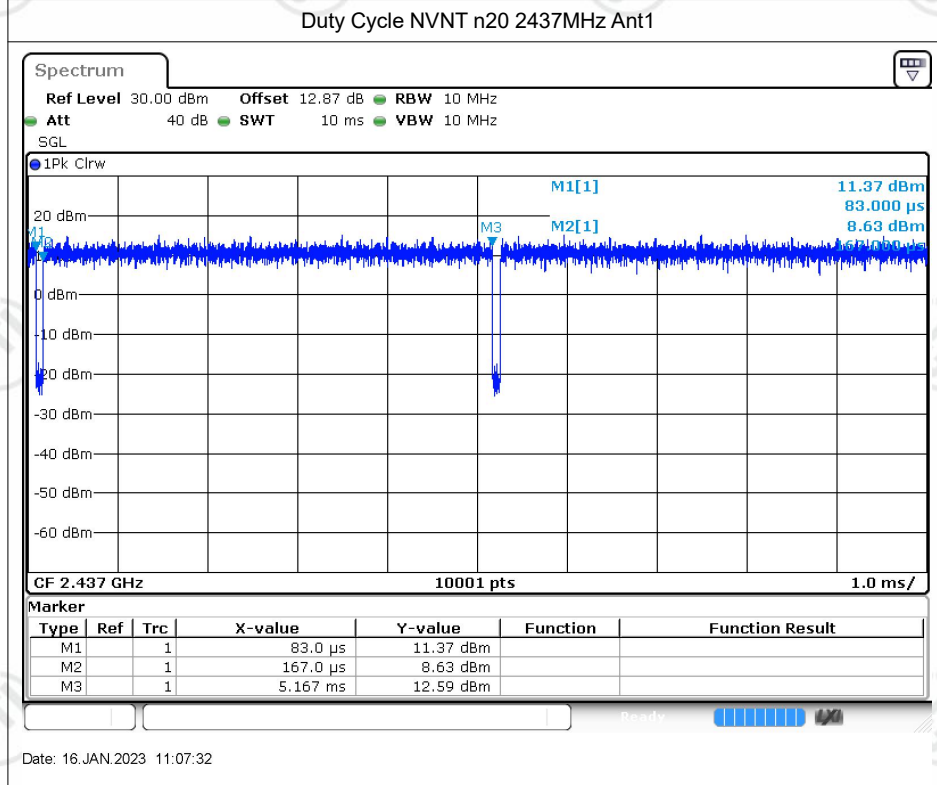
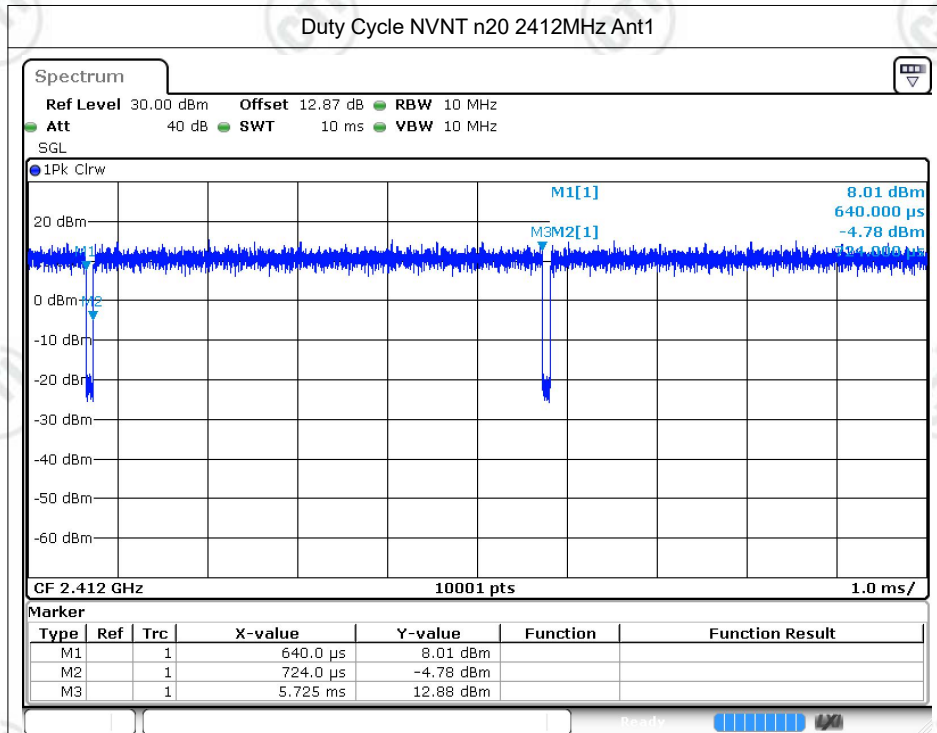


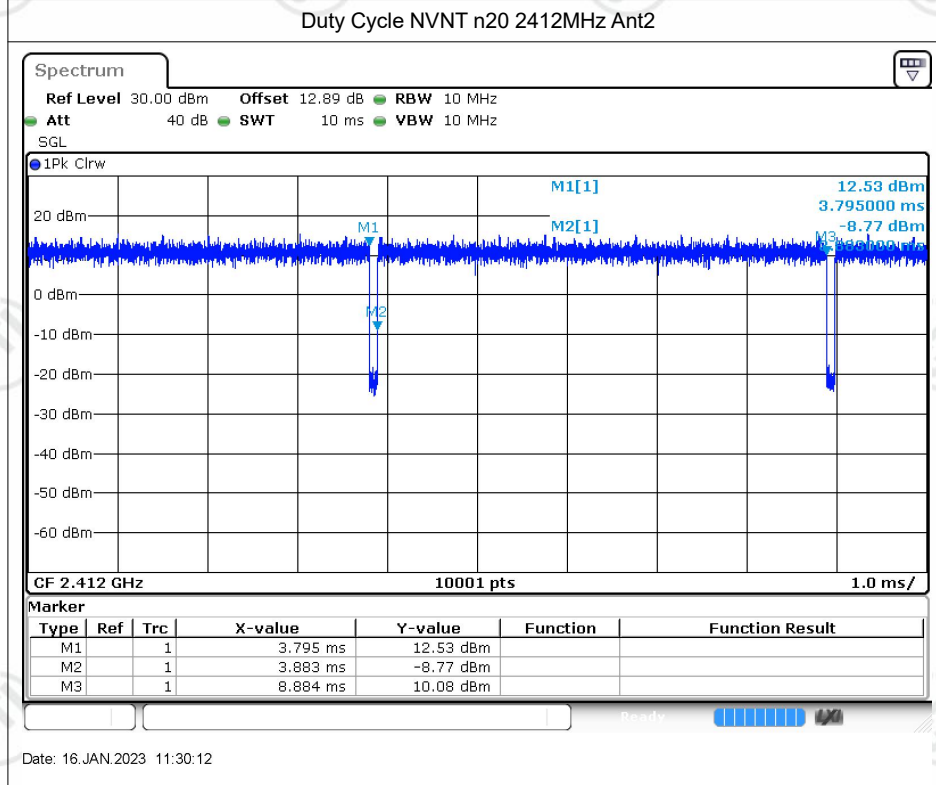
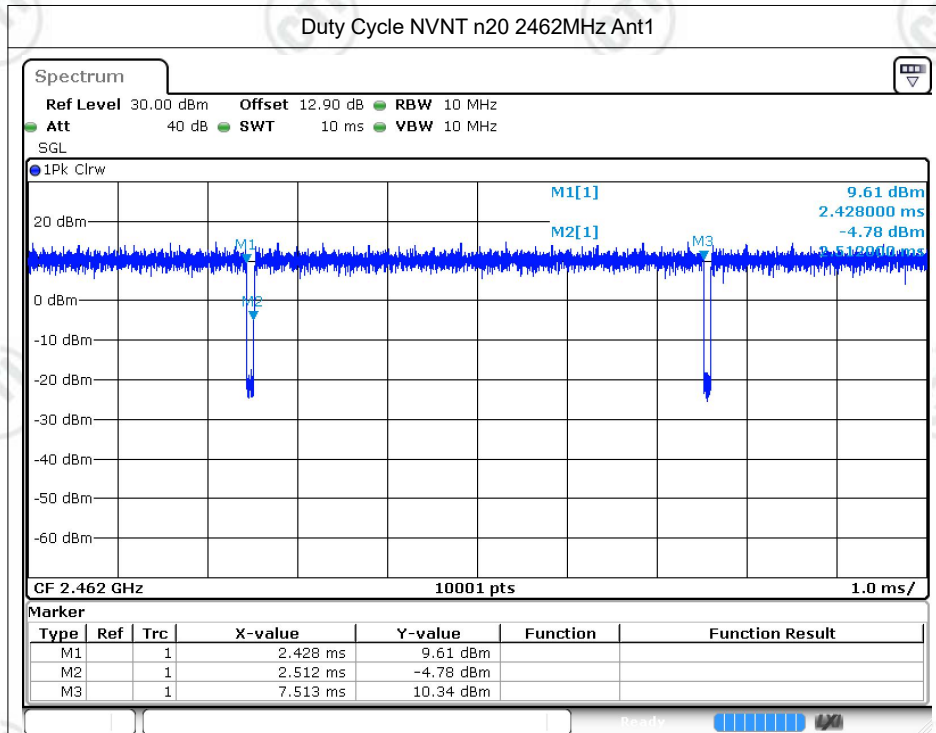
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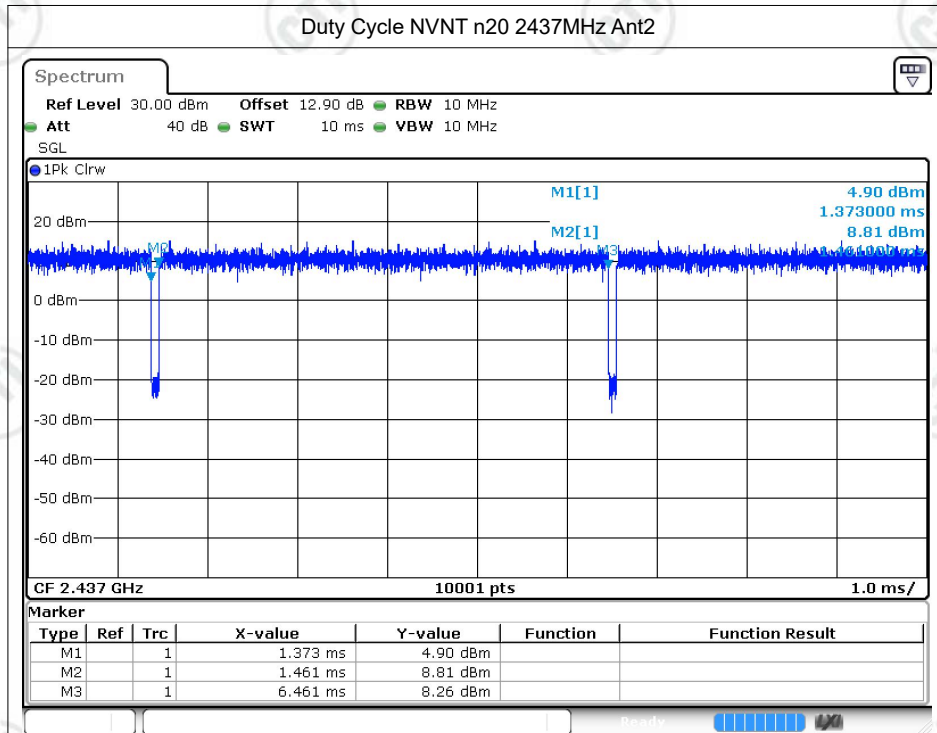


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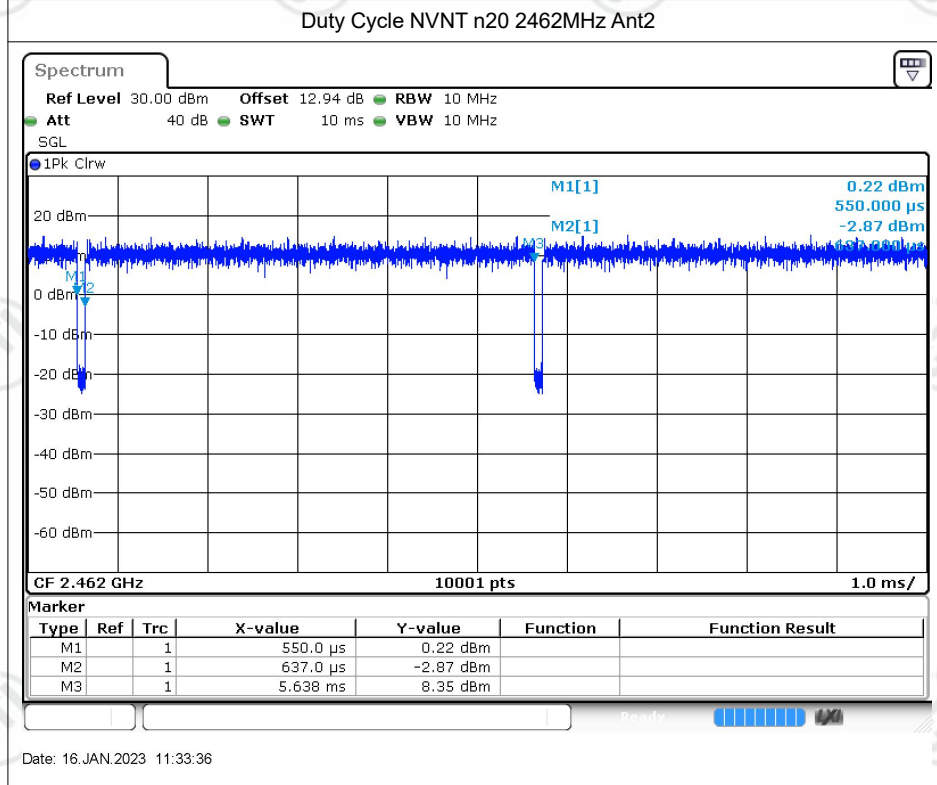




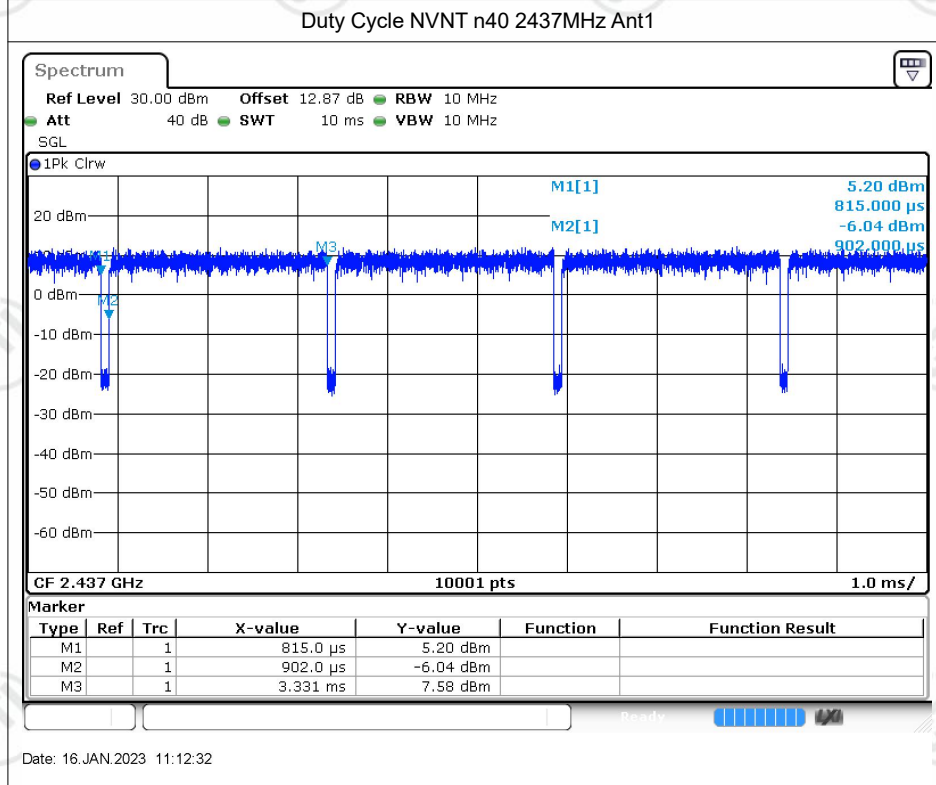
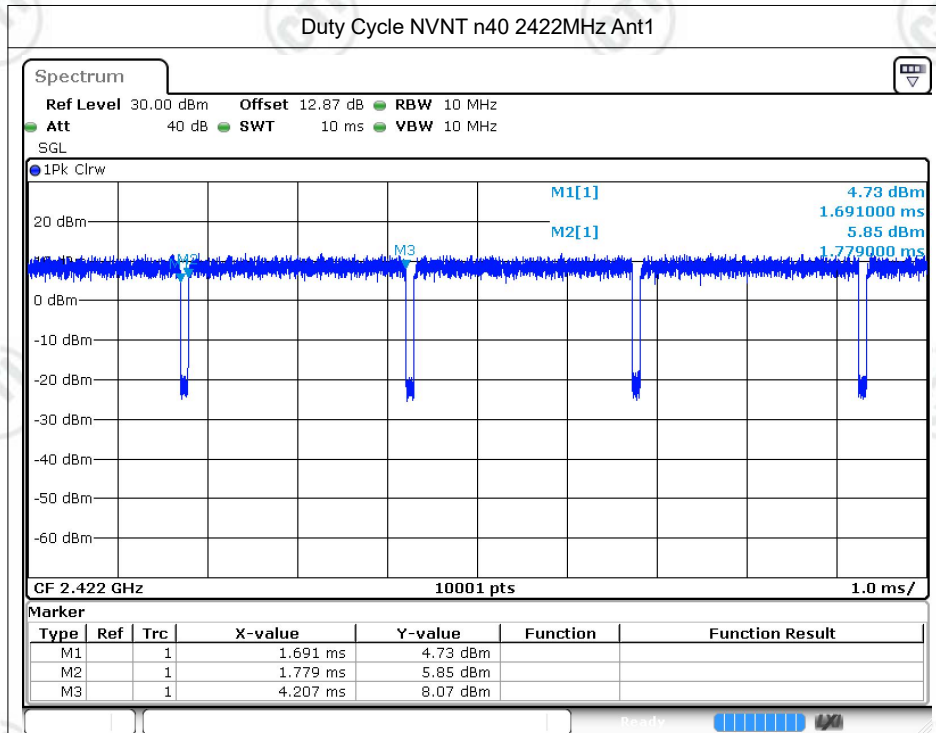


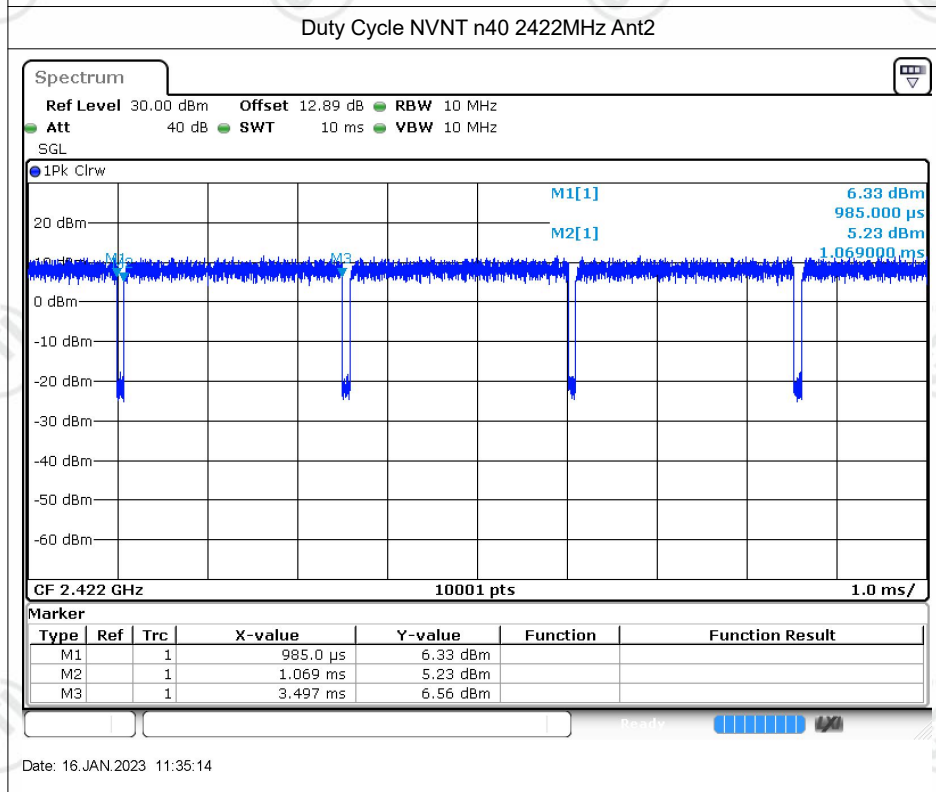
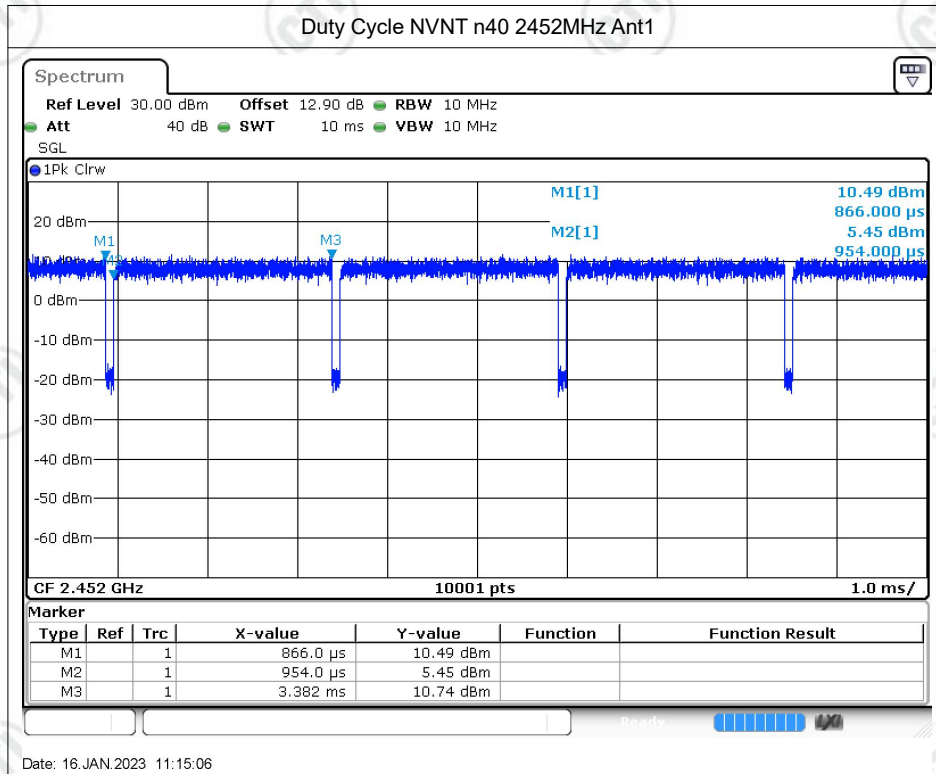


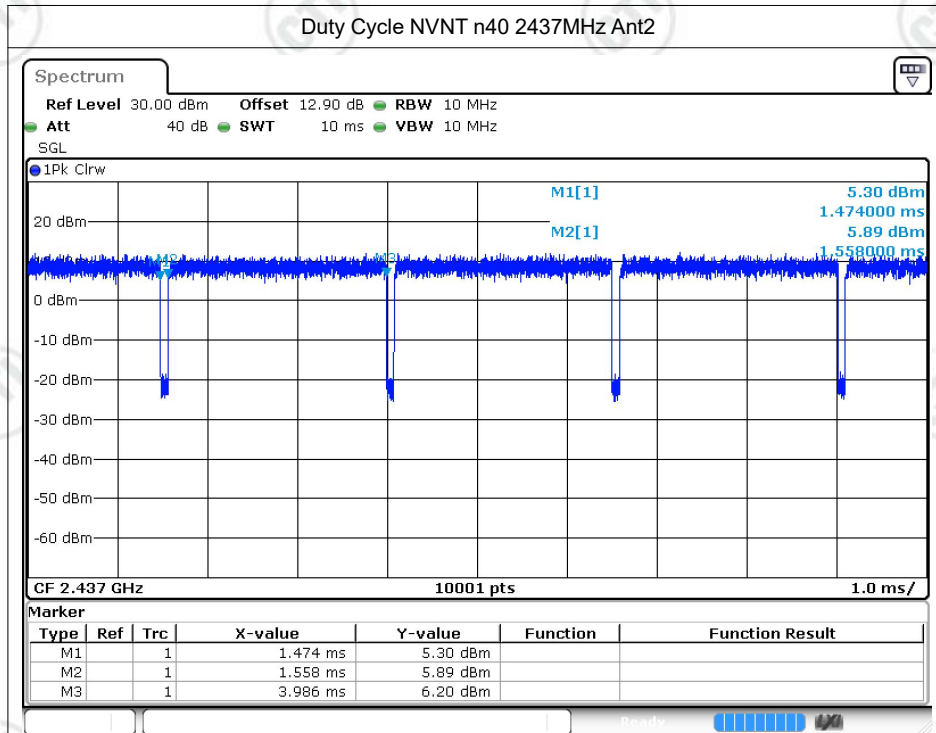
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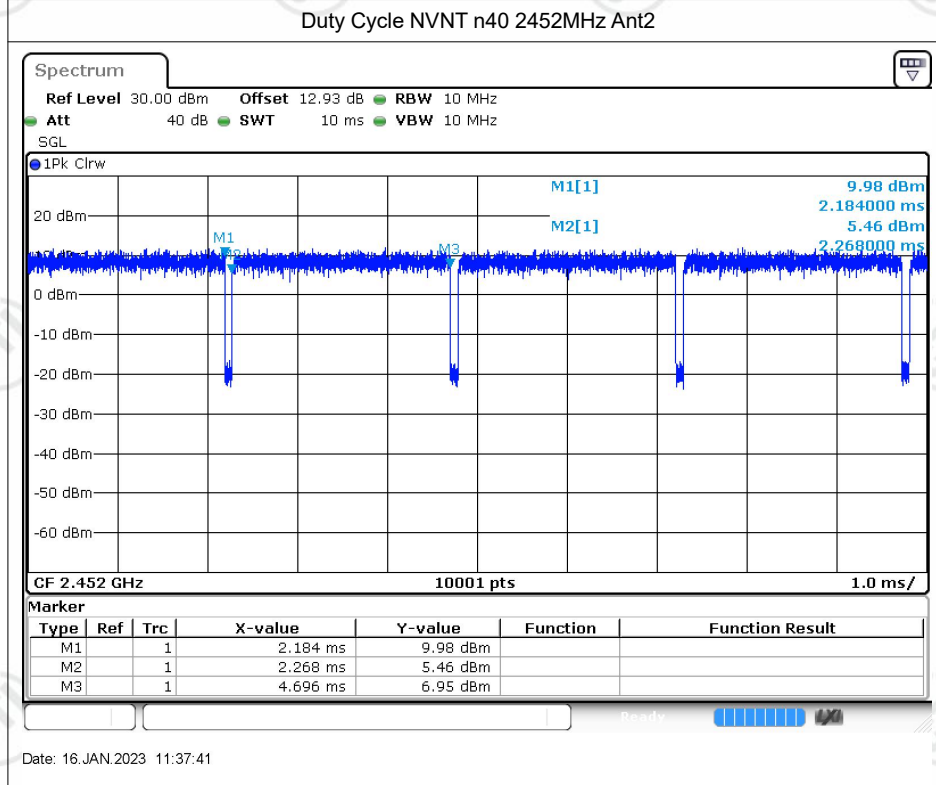
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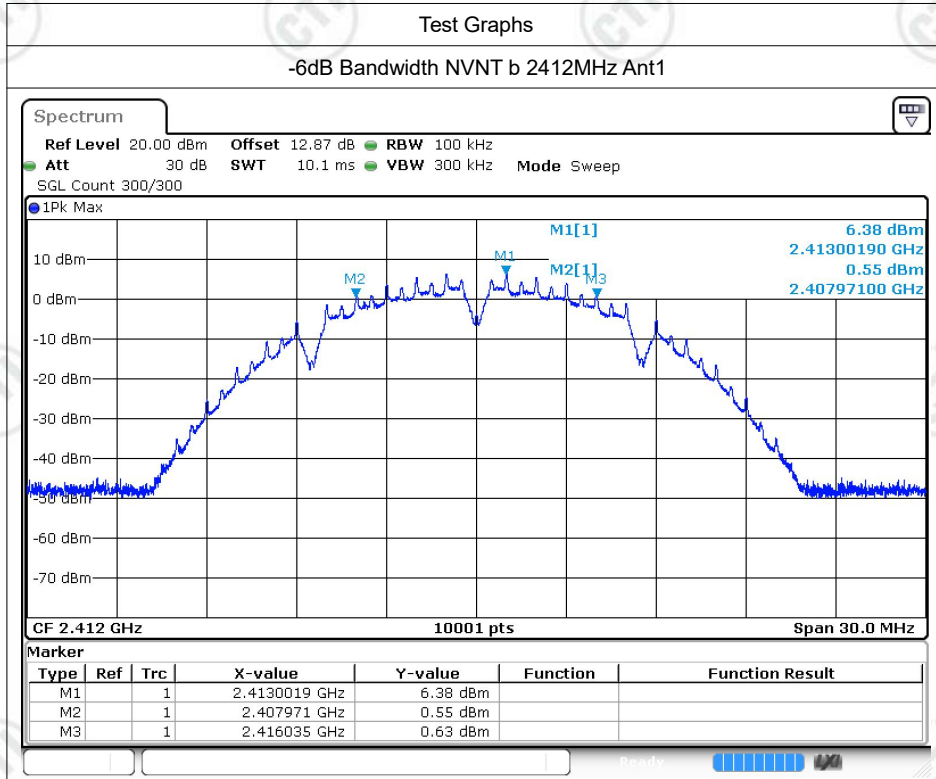
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.61	30	Pass
NVNT	b	2437	Ant1	17.5	30	Pass
NVNT	b	2462	Ant1	17.1	30	Pass
NVNT	b	2412	Ant2	17.91	30	Pass
NVNT	b	2437	Ant2	17.45	30	Pass
NVNT	b	2462	Ant2	17.31	30	Pass
NVNT	g	2412	Ant1	16.77	30	Pass
NVNT	g	2437	Ant1	16.62	30	Pass
NVNT	g	2462	Ant1	16.17	30	Pass
NVNT	g	2412	Ant2	16.96	30	Pass
NVNT	g	2437	Ant2	16.56	30	Pass
NVNT	g	2462	Ant2	16.39	30	Pass
NVNT	n20	2412	Ant1	16.47	30	Pass
NVNT	n20	2437	Ant1	16.35	30	Pass
NVNT	n20	2462	Ant1	15.94	30	Pass
NVNT	n20	2412	Ant2	16.61	30	Pass
NVNT	n20	2437	Ant2	16.21	30	Pass
NVNT	n20	2462	Ant2	16.13	30	Pass
NVNT	n20	2412	Ant1	14.48	30	Pass
NVNT	n20	2412	Ant2	14.41	30	Pass
NVNT	n20	2412	Sum	17.46	30	Pass
NVNT	n20	2437	Ant1	13.9	30	Pass
NVNT	n20	2437	Ant2	14.57	30	Pass
NVNT	n20	2437	Sum	17.26	30	Pass
NVNT	n20	2462	Ant1	14.42	30	Pass
NVNT	n20	2462	Ant2	14.71	30	Pass
NVNT	n20	2462	Sum	17.58	30	Pass
NVNT	n40	2422	Ant1	16.58	30	Pass
NVNT	n40	2437	Ant1	16.66	30	Pass
NVNT	n40	2452	Ant1	16.21	30	Pass
NVNT	n40	2422	Ant2	16.34	30	Pass
NVNT	n40	2437	Ant2	16.66	30	Pass
NVNT	n40	2452	Ant2	16.48	30	Pass
NVNT	n40	2422	Ant1	13.07	30	Pass
NVNT	n40	2422	Ant2	13.55	30	Pass
NVNT	n40	2422	Sum	16.33	30	Pass
NVNT	n40	2437	Ant1	13.19	30	Pass

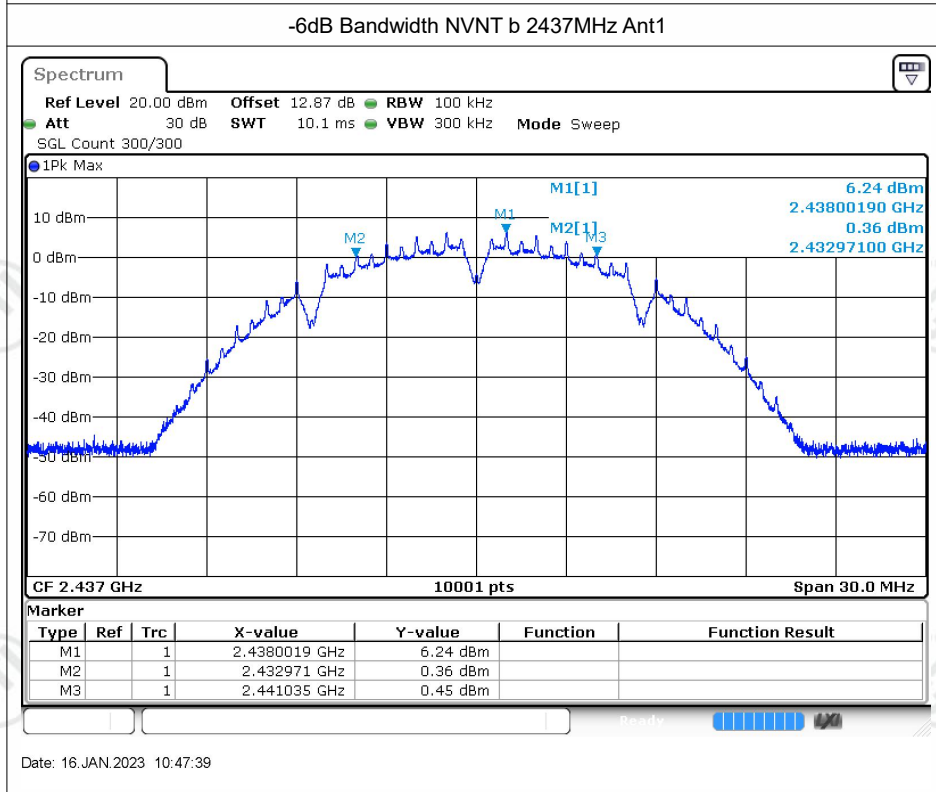
NVNT	n40	2437	Ant2	13.79	30	Pass
NVNT	n40	2437	Sum	16.51	30	Pass
NVNT	n40	2452	Ant1	12.87	30	Pass
NVNT	n40	2452	Ant2	13.54	30	Pass
NVNT	n40	2452	Sum	16.23	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.064	0.5	Pass
NVNT	b	2437	Ant1	8.064	0.5	Pass
NVNT	b	2462	Ant1	8.064	0.5	Pass
NVNT	b	2412	Ant2	8.565	0.5	Pass
NVNT	b	2437	Ant2	8.064	0.5	Pass
NVNT	b	2462	Ant2	8.055	0.5	Pass
NVNT	g	2412	Ant1	16.311	0.5	Pass
NVNT	g	2437	Ant1	16.317	0.5	Pass
NVNT	g	2462	Ant1	16.317	0.5	Pass
NVNT	g	2412	Ant2	16.323	0.5	Pass
NVNT	g	2437	Ant2	16.296	0.5	Pass
NVNT	g	2462	Ant2	16.308	0.5	Pass
NVNT	n20	2412	Ant1	17.544	0.5	Pass
NVNT	n20	2437	Ant1	17.556	0.5	Pass
NVNT	n20	2462	Ant1	17.532	0.5	Pass
NVNT	n20	2412	Ant2	17.535	0.5	Pass
NVNT	n20	2437	Ant2	17.571	0.5	Pass
NVNT	n20	2462	Ant2	17.523	0.5	Pass
NVNT	n40	2422	Ant1	35.022	0.5	Pass
NVNT	n40	2437	Ant1	33.876	0.5	Pass
NVNT	n40	2452	Ant1	35.076	0.5	Pass
NVNT	n40	2422	Ant2	35.034	0.5	Pass
NVNT	n40	2437	Ant2	35.082	0.5	Pass
NVNT	n40	2452	Ant2	33.822	0.5	Pass



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