

Appendix: 2.4G WIFI

Contents

Contents2

Duty Cycle3

Maximum Peak Conducted Output Power 10

-6dB Bandwidth 11

Occupied Channel Bandwidth 18

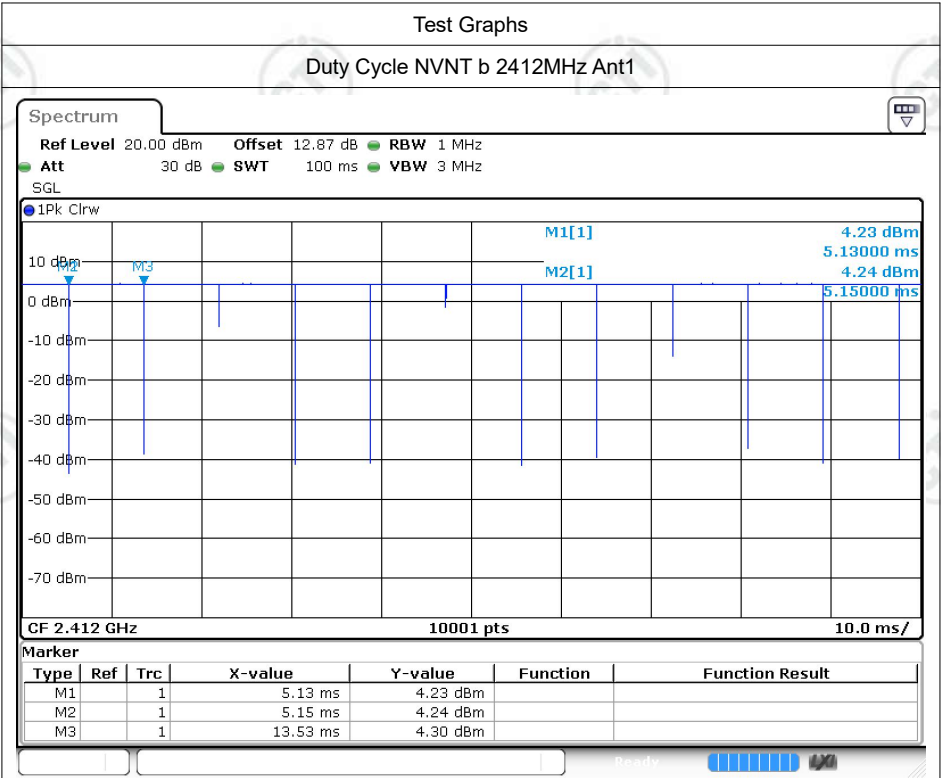
Maximum Power Spectral Density Level25

Band Edge 32

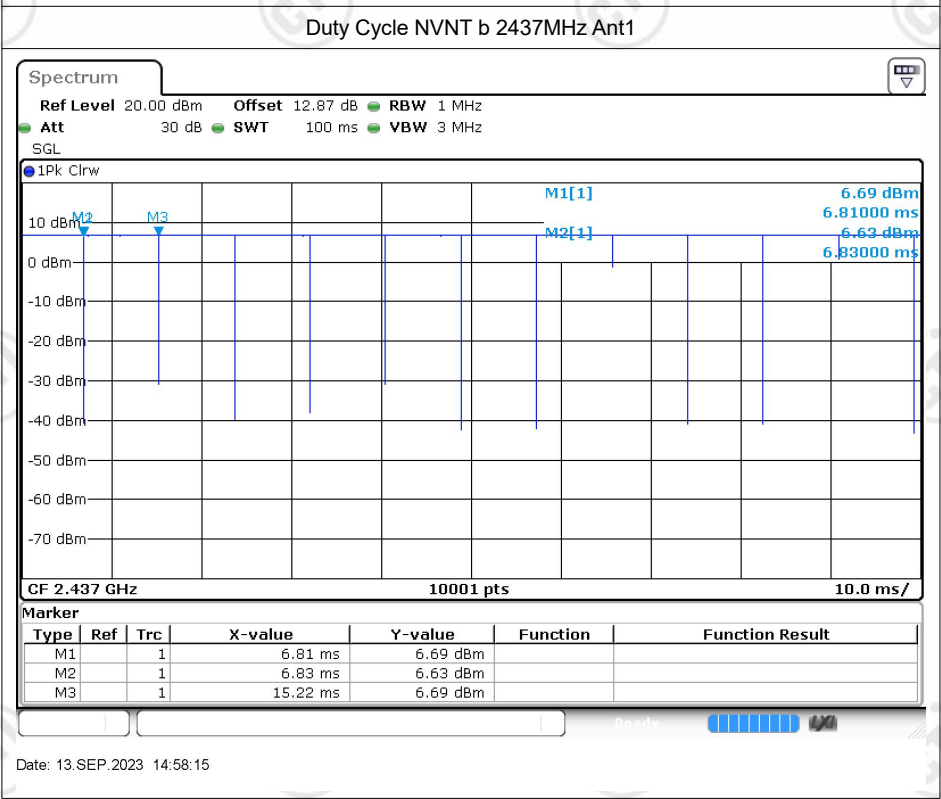
Conducted RF Spurious Emission41

Duty Cycle

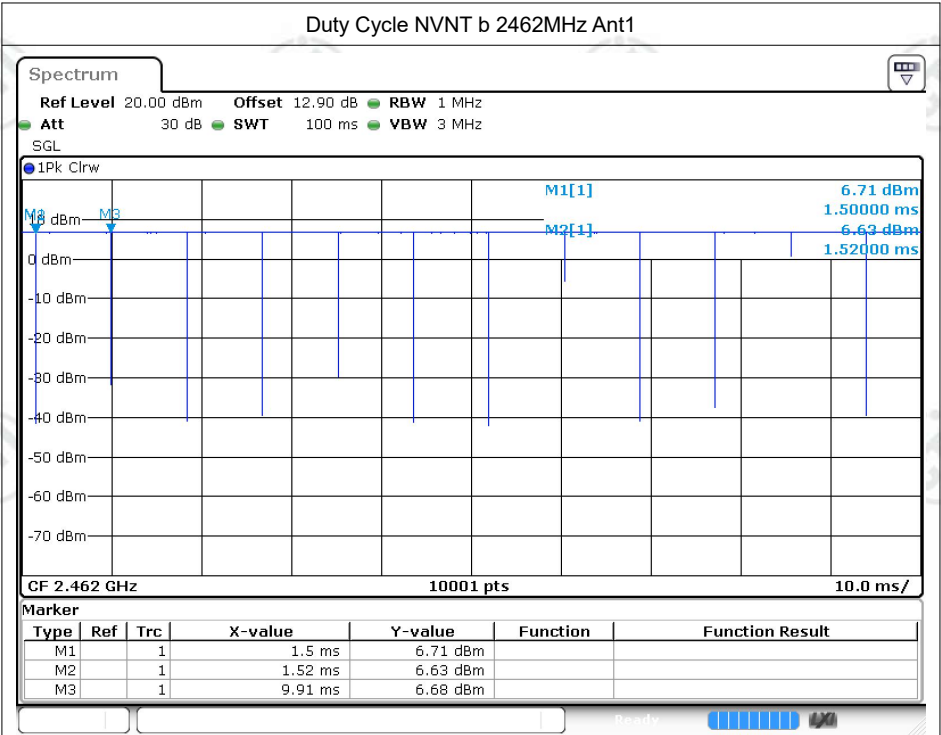
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.76	0	0.12
NVNT	b	2437	Ant1	99.76	0	0.12
NVNT	b	2462	Ant1	99.76	0	0.12
NVNT	g	2412	Ant1	98.87	0	0.72
NVNT	g	2437	Ant1	98.86	0	0.72
NVNT	g	2462	Ant1	98.86	0	0.72
NVNT	n20	2412	Ant1	99.71	0	0.2
NVNT	n20	2437	Ant1	99.61	0	0.2
NVNT	n20	2462	Ant1	99.71	0	0.2
NVNT	n40	2422	Ant1	99.36	0	0.4
NVNT	n40	2437	Ant1	99.04	0	0.41
NVNT	n40	2452	Ant1	99.03	0	0.41



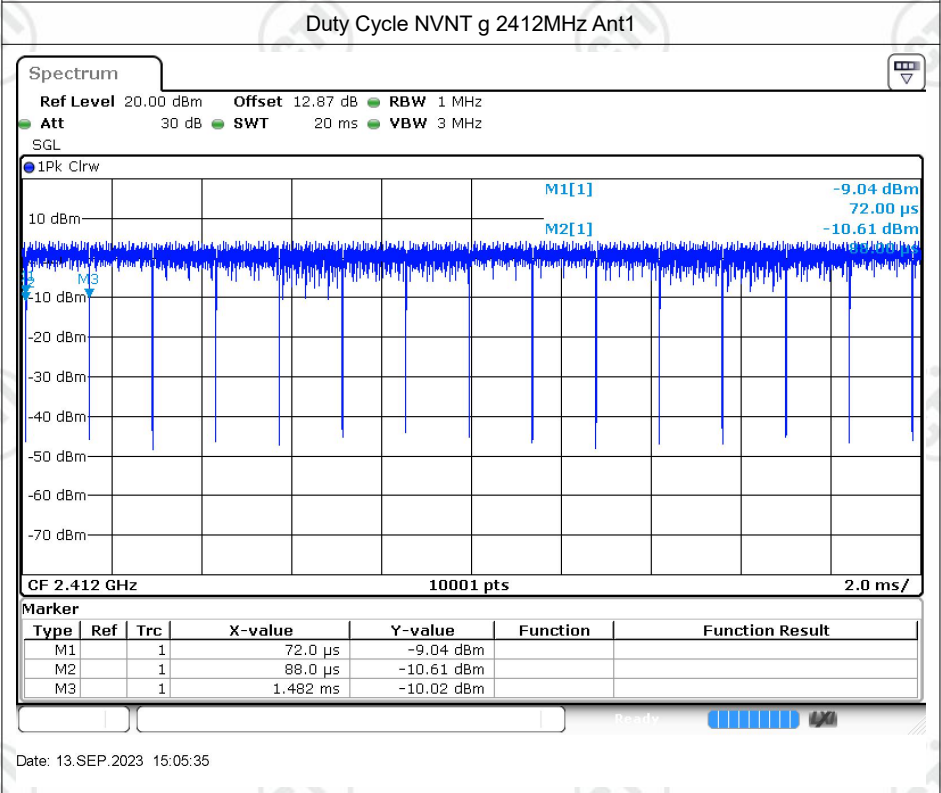
Date: 13.SEP.2023 14:56:20



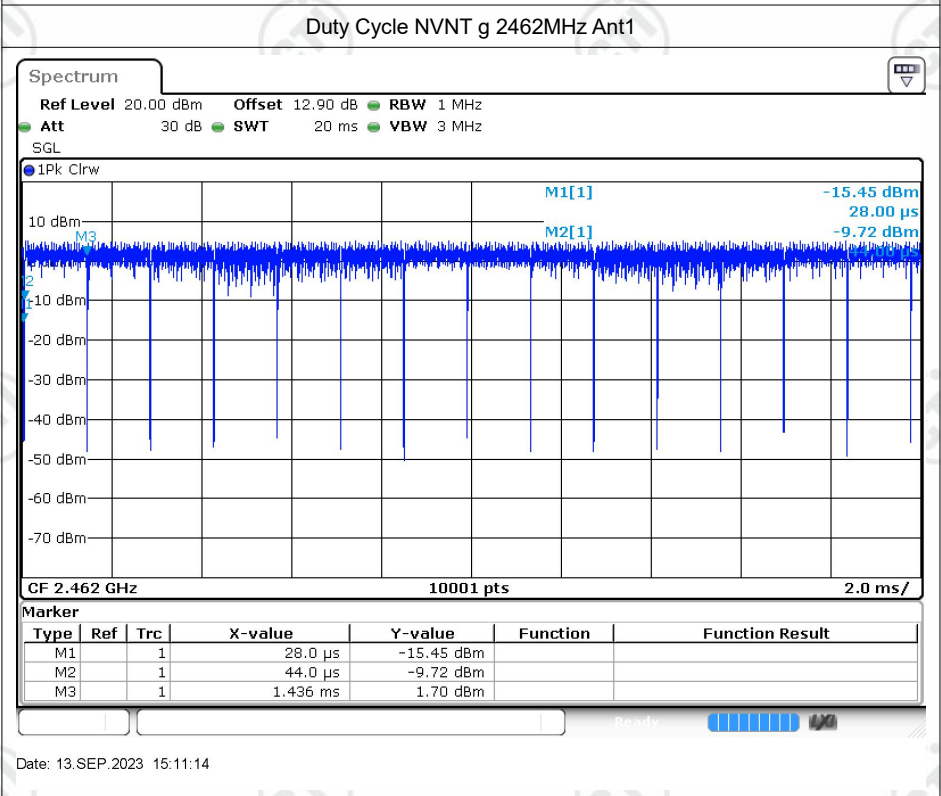
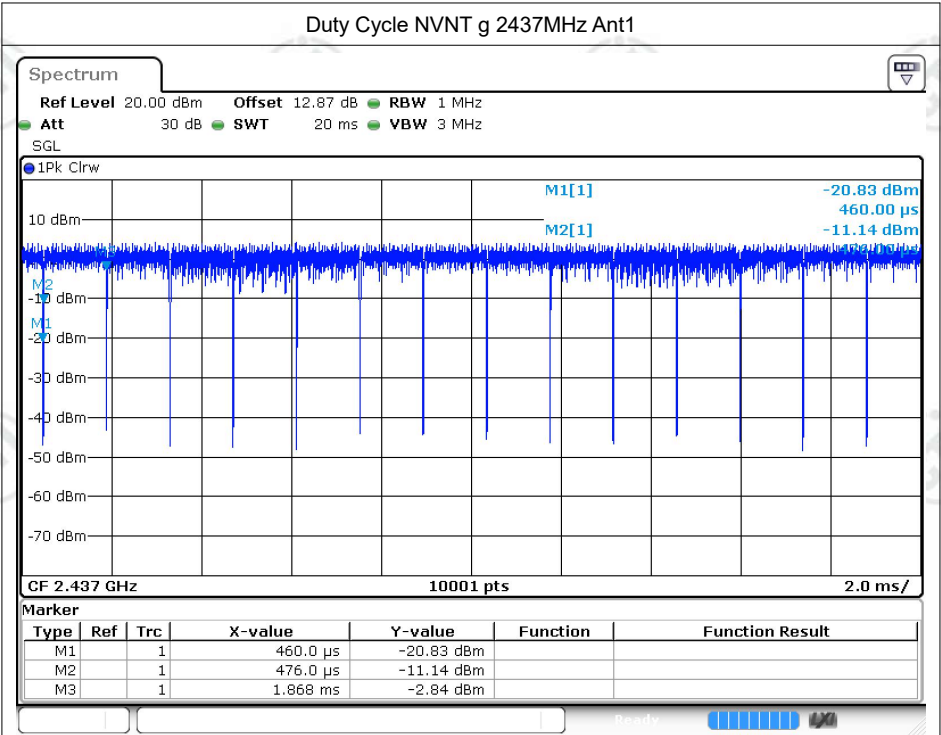
Date: 13.SEP.2023 14:58:15

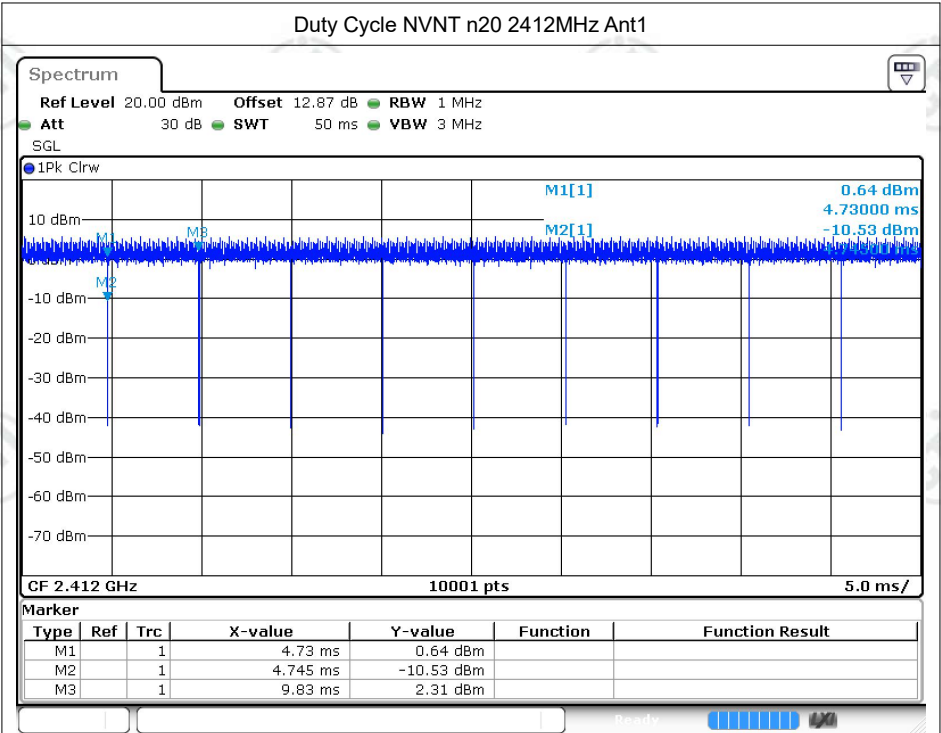


Date: 13.SEP.2023 15:03:16

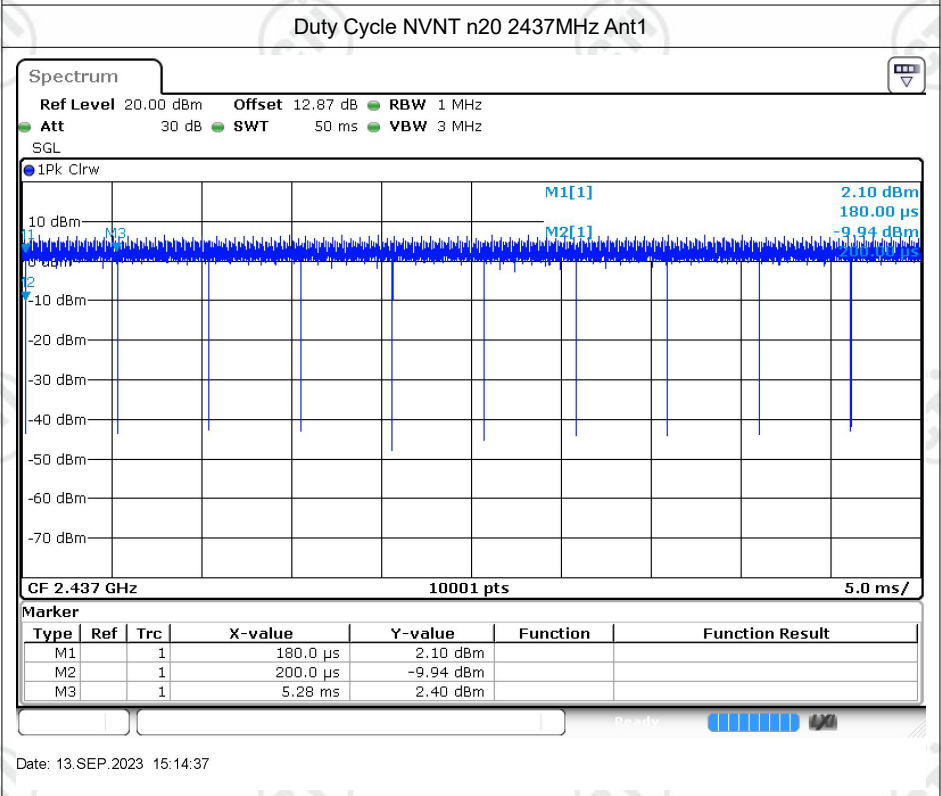


Date: 13.SEP.2023 15:05:35

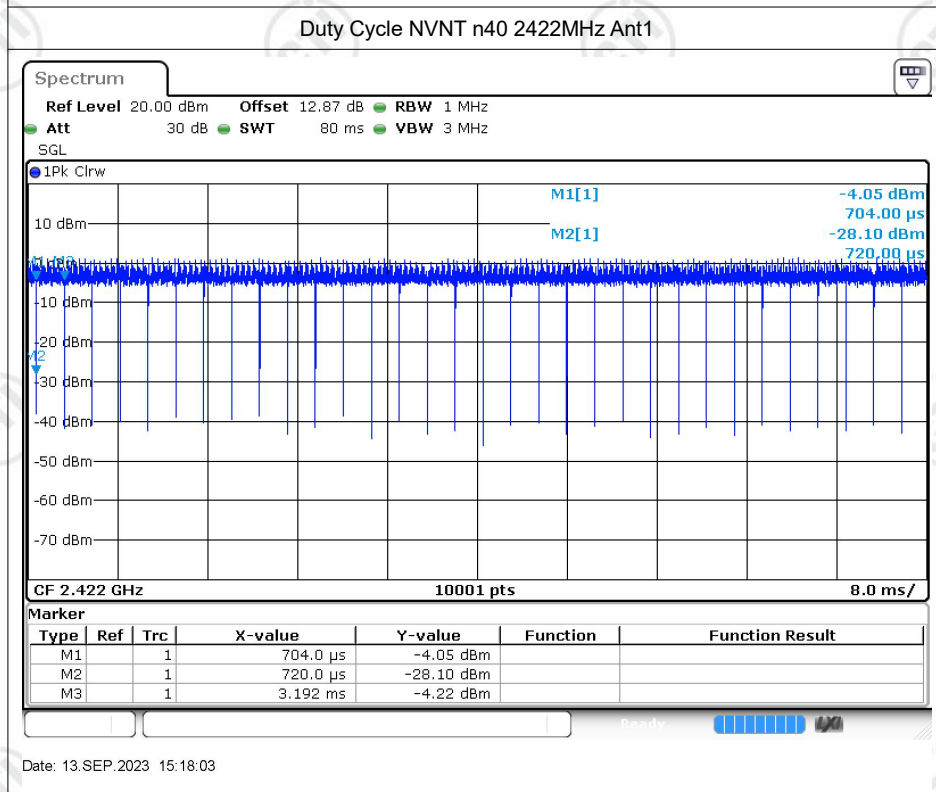
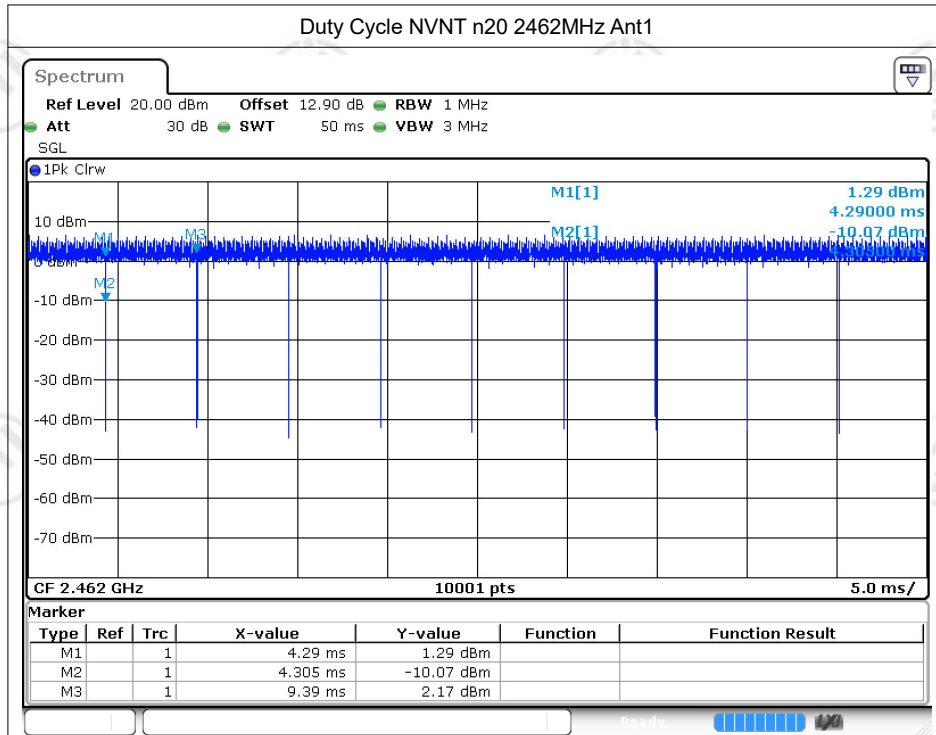


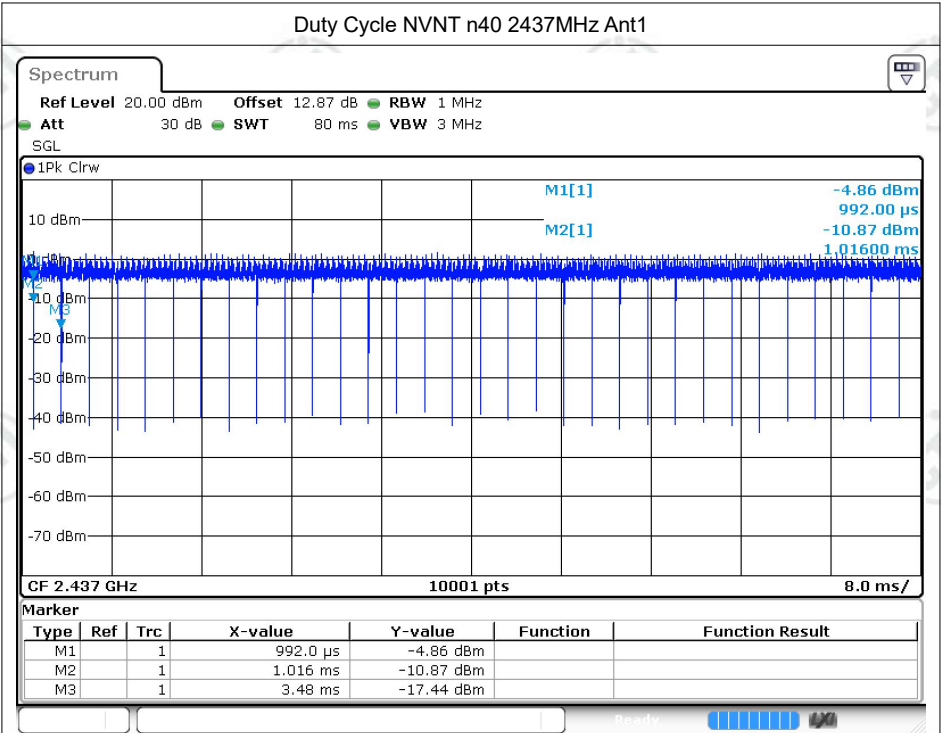


Date: 13.SEP.2023 15:12:57

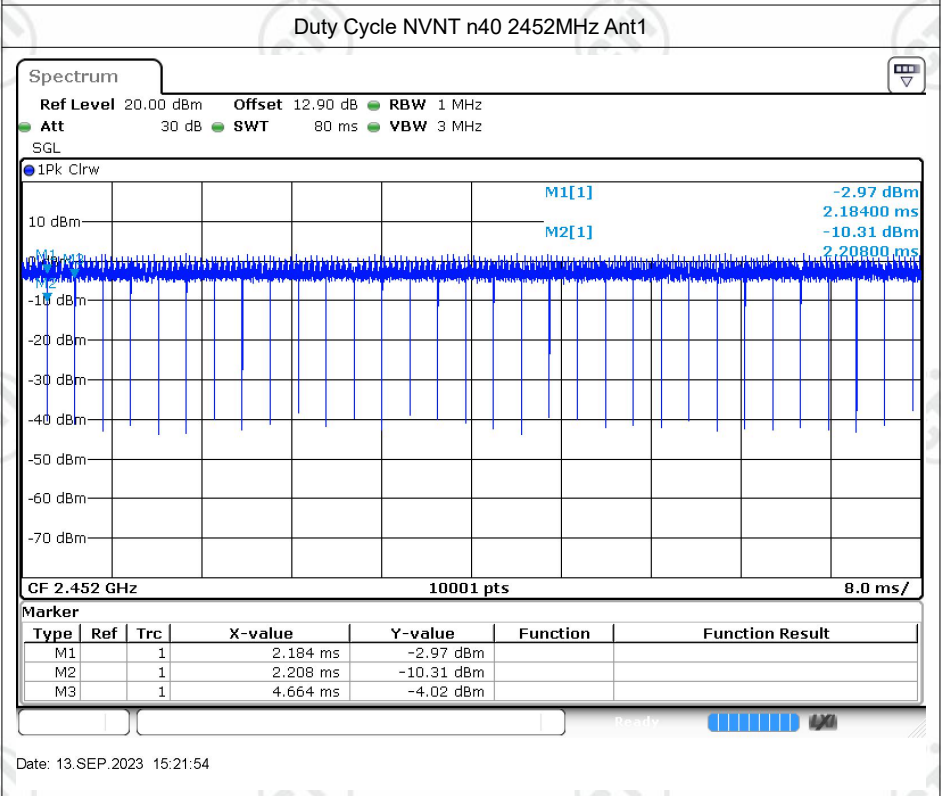


Date: 13.SEP.2023 15:14:37





Date: 13.SEP.2023 15:20:00



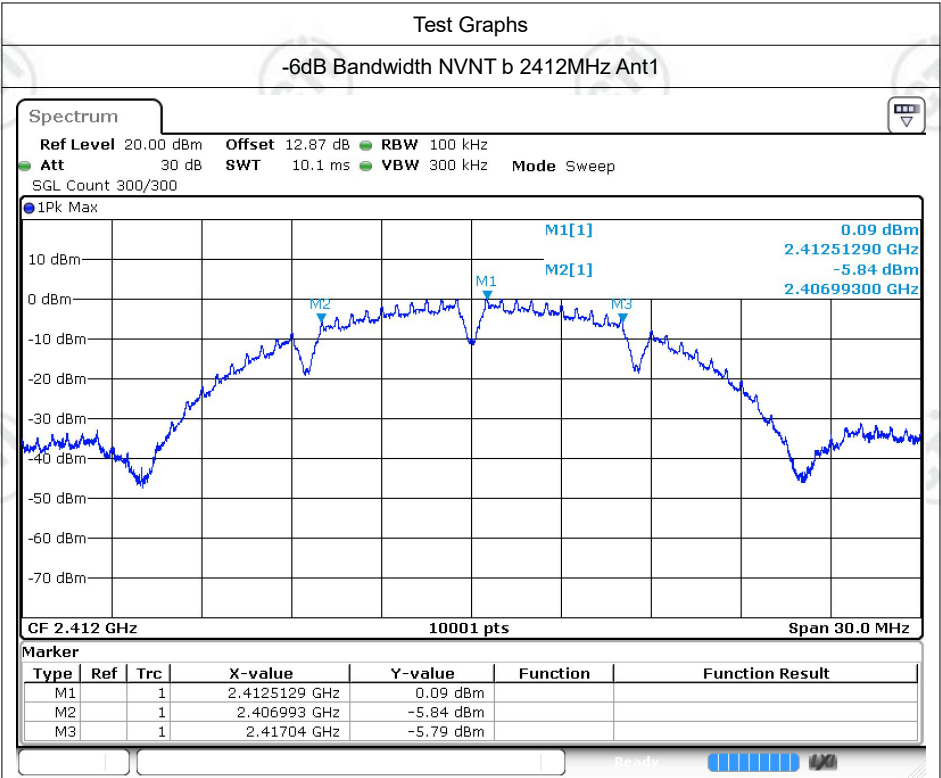
Date: 13.SEP.2023 15:21:54

Maximum Peak Conducted Output Power

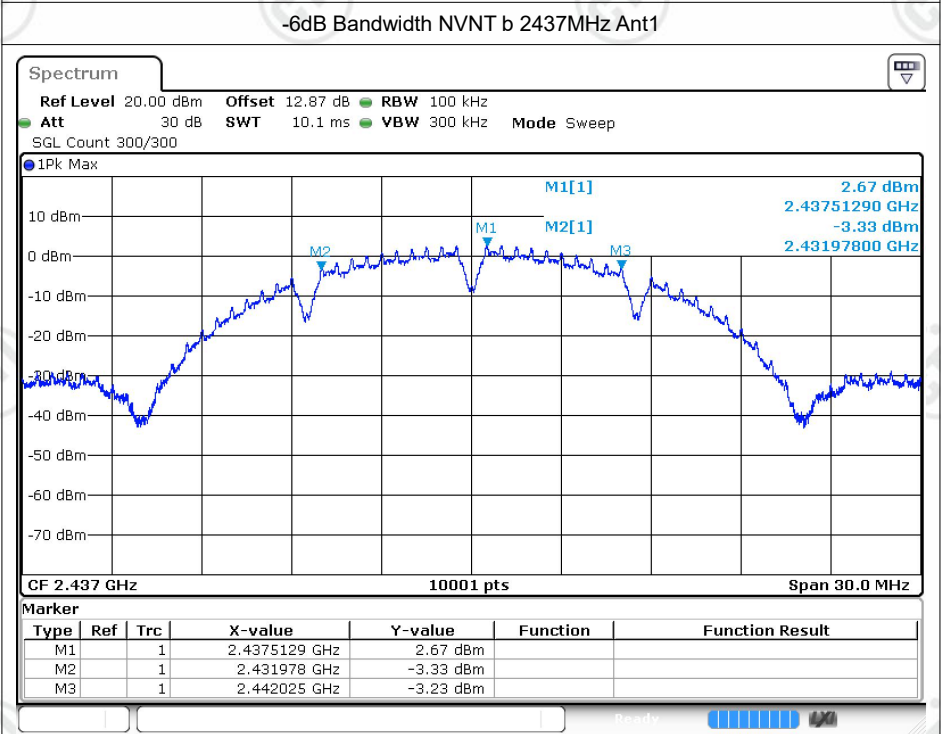
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	10.92	0	10.92	30	Pass
NVNT	b	2437	Ant1	12.48	0	12.48	30	Pass
NVNT	b	2462	Ant1	13.06	0	13.06	30	Pass
NVNT	g	2412	Ant1	10.61	0	10.61	30	Pass
NVNT	g	2437	Ant1	10.46	0	10.46	30	Pass
NVNT	g	2462	Ant1	11.09	0	11.09	30	Pass
NVNT	n20	2412	Ant1	10.86	0	10.86	30	Pass
NVNT	n20	2437	Ant1	11.59	0	11.59	30	Pass
NVNT	n20	2462	Ant1	11.3	0	11.3	30	Pass
NVNT	n40	2422	Ant1	11.59	0	11.59	30	Pass
NVNT	n40	2437	Ant1	11.91	0	11.91	30	Pass
NVNT	n40	2452	Ant1	11.77	0	11.77	30	Pass

-6dB Bandwidth

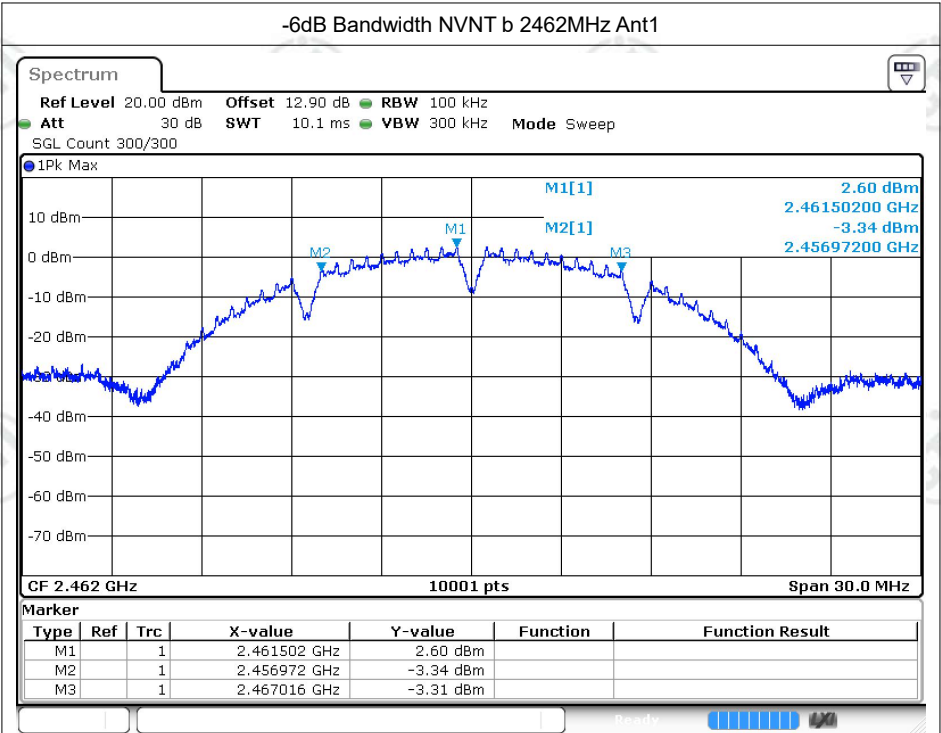
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.047	0.5	Pass
NVNT	b	2437	Ant1	10.047	0.5	Pass
NVNT	b	2462	Ant1	10.044	0.5	Pass
NVNT	g	2412	Ant1	16.296	0.5	Pass
NVNT	g	2437	Ant1	16.332	0.5	Pass
NVNT	g	2462	Ant1	16.32	0.5	Pass
NVNT	n20	2412	Ant1	17.556	0.5	Pass
NVNT	n20	2437	Ant1	17.583	0.5	Pass
NVNT	n20	2462	Ant1	17.574	0.5	Pass
NVNT	n40	2422	Ant1	35.616	0.5	Pass
NVNT	n40	2437	Ant1	35.67	0.5	Pass
NVNT	n40	2452	Ant1	35.004	0.5	Pass



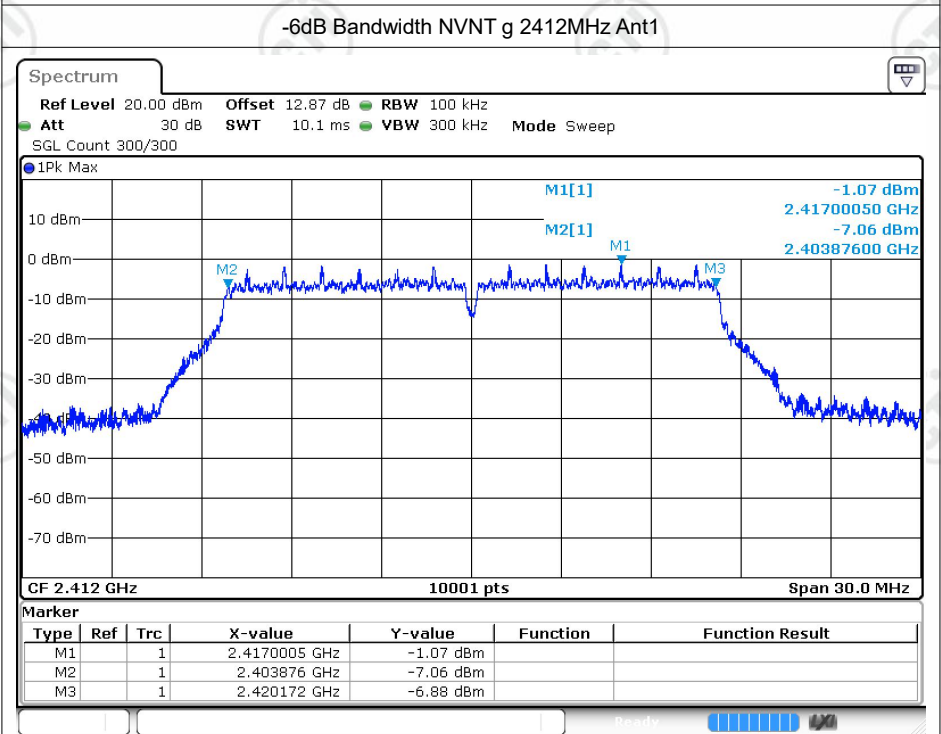
Date: 13.SEP.2023 14:56:44



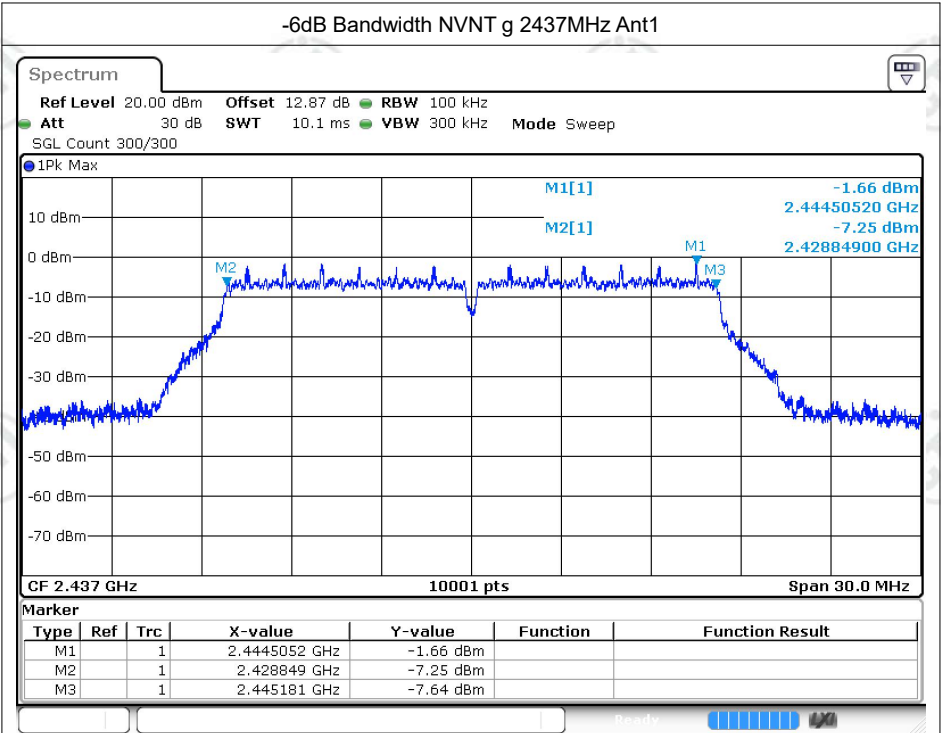
Date: 13.SEP.2023 14:58:46



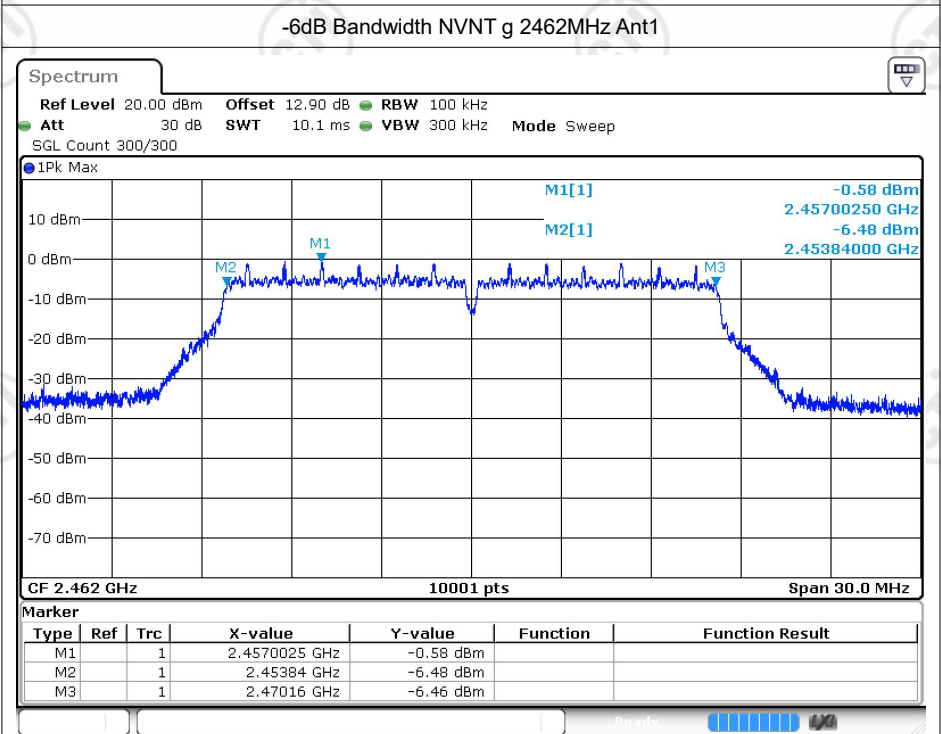
Date: 13.SEP.2023 15:03:43



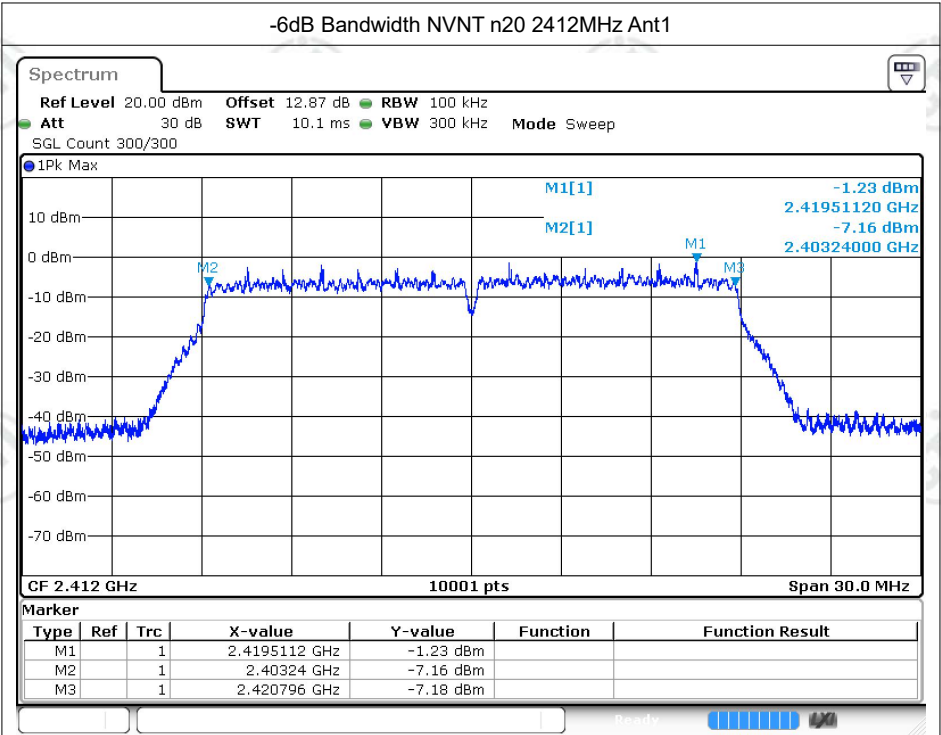
Date: 13.SEP.2023 15:06:10



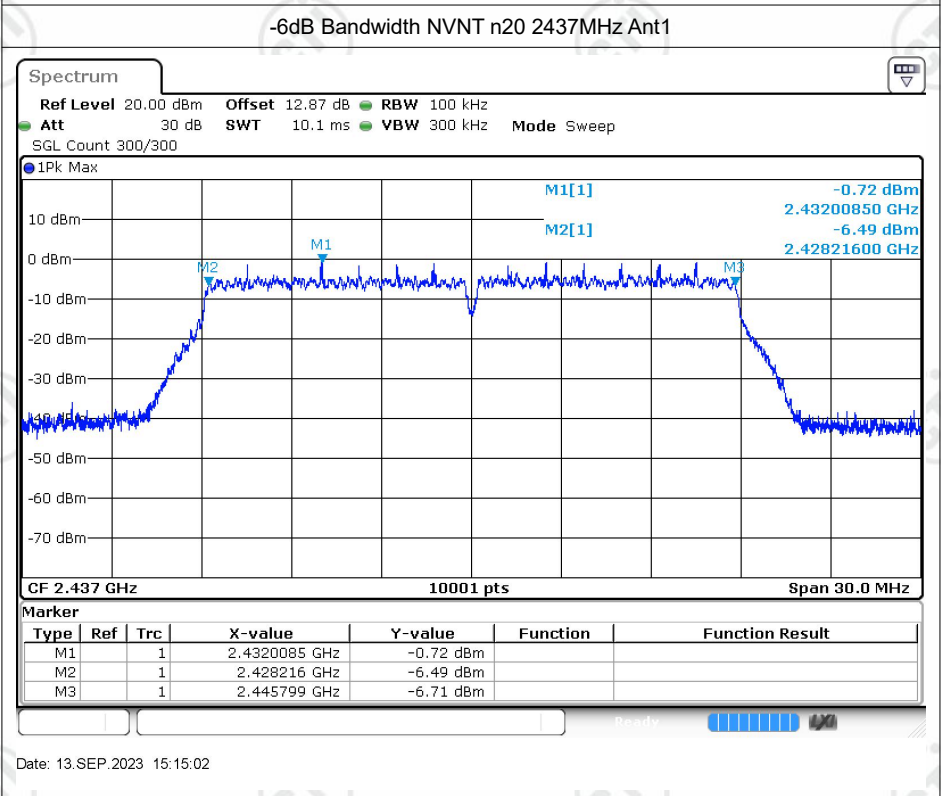
Date: 13.SEP.2023 15:09:42



Date: 13.SEP.2023 15:11:41



Date: 13.SEP.2023 15:13:21



Date: 13.SEP.2023 15:15:02

