

Appendix: 2.4G Wi-Fi

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 10

-6dB Bandwidth 11

Occupied Channel Bandwidth 18

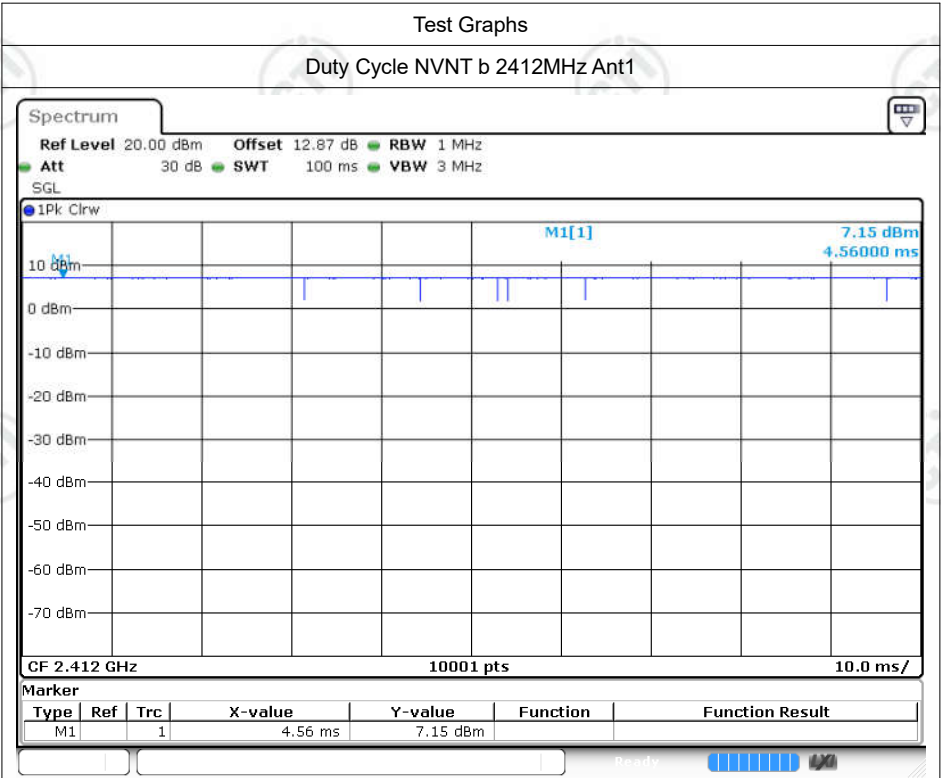
Maximum Power Spectral Density Level 25

Band Edge 32

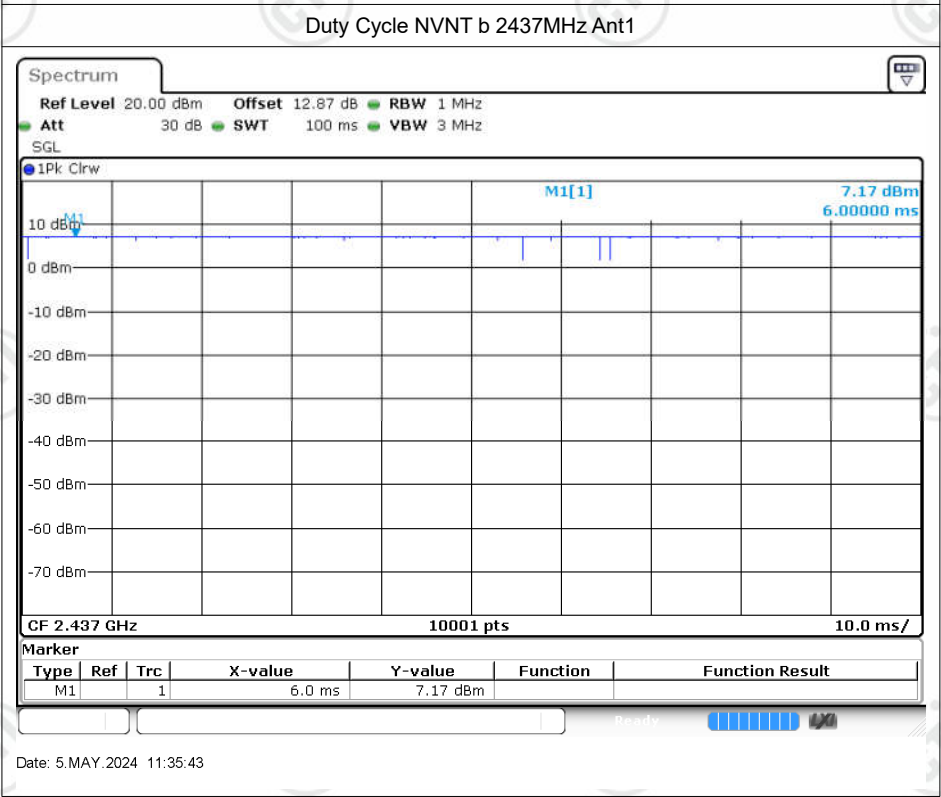
Conducted RF Spurious Emission 41

Duty Cycle

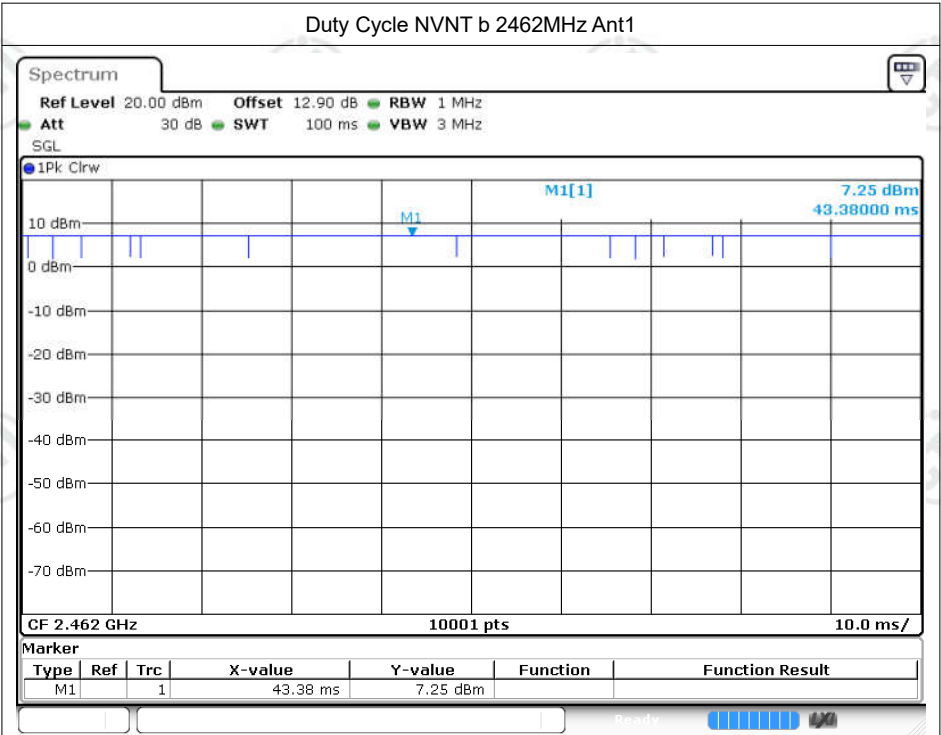
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	100	0	0
NVNT	b	2437	Ant1	100	0	0
NVNT	b	2462	Ant1	100	0	0
NVNT	g	2412	Ant1	100	0	0
NVNT	g	2437	Ant1	100	0	0
NVNT	g	2462	Ant1	100	0	0
NVNT	n20	2412	Ant1	100	0	0
NVNT	n20	2437	Ant1	100	0	0
NVNT	n20	2462	Ant1	100	0	0
NVNT	n40	2422	Ant1	100	0	0
NVNT	n40	2437	Ant1	100	0	0
NVNT	n40	2452	Ant1	100	0	0



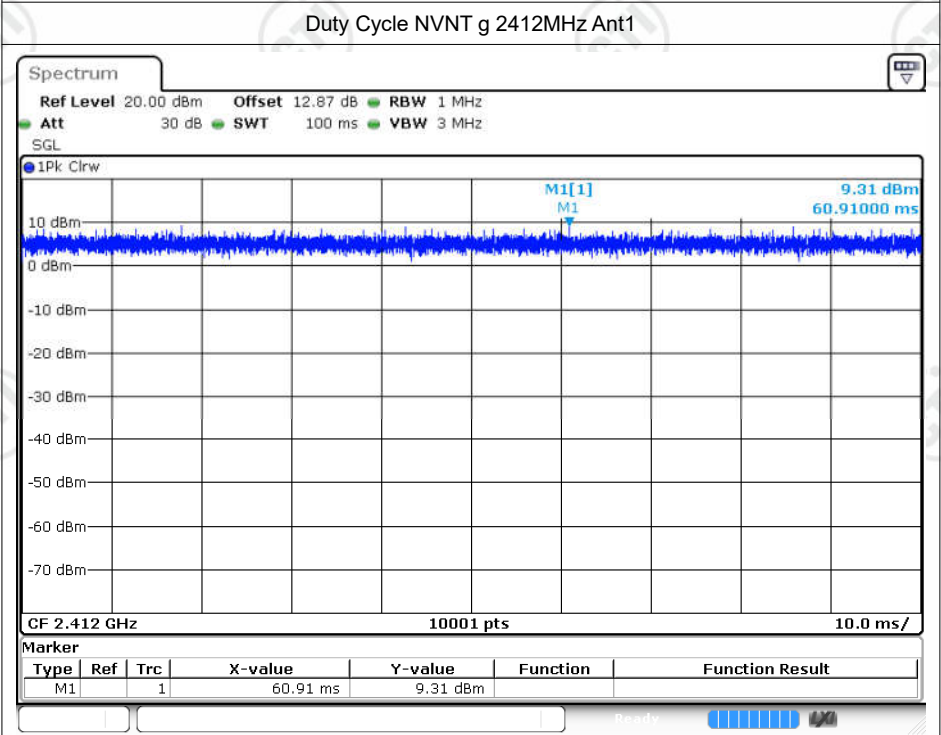
Date: 5.MAY.2024 11:34:05



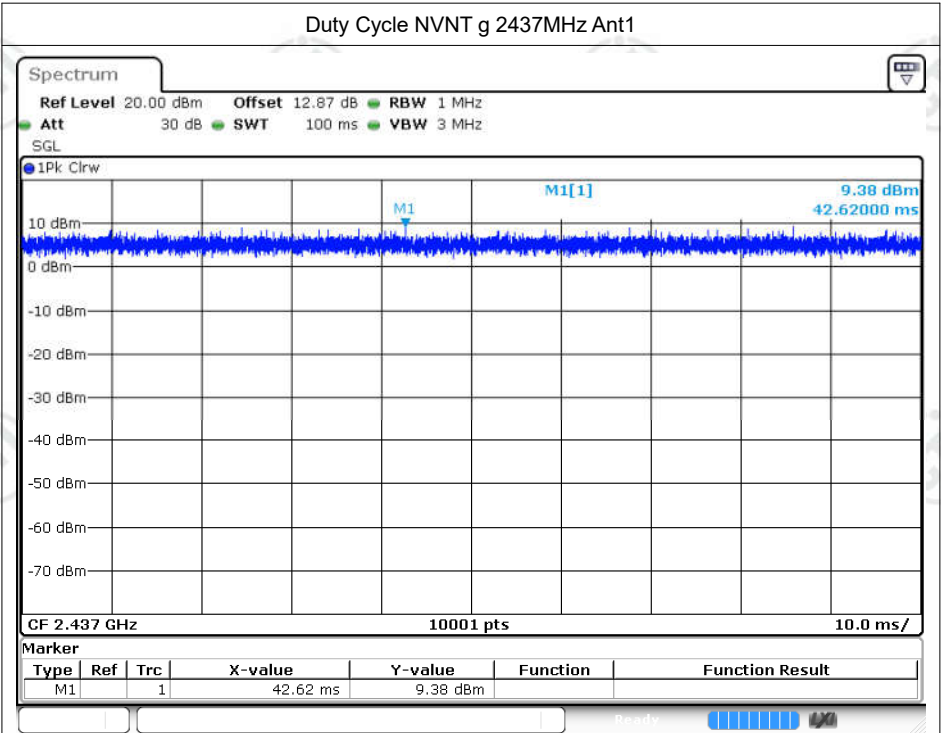
Date: 5.MAY.2024 11:35:43



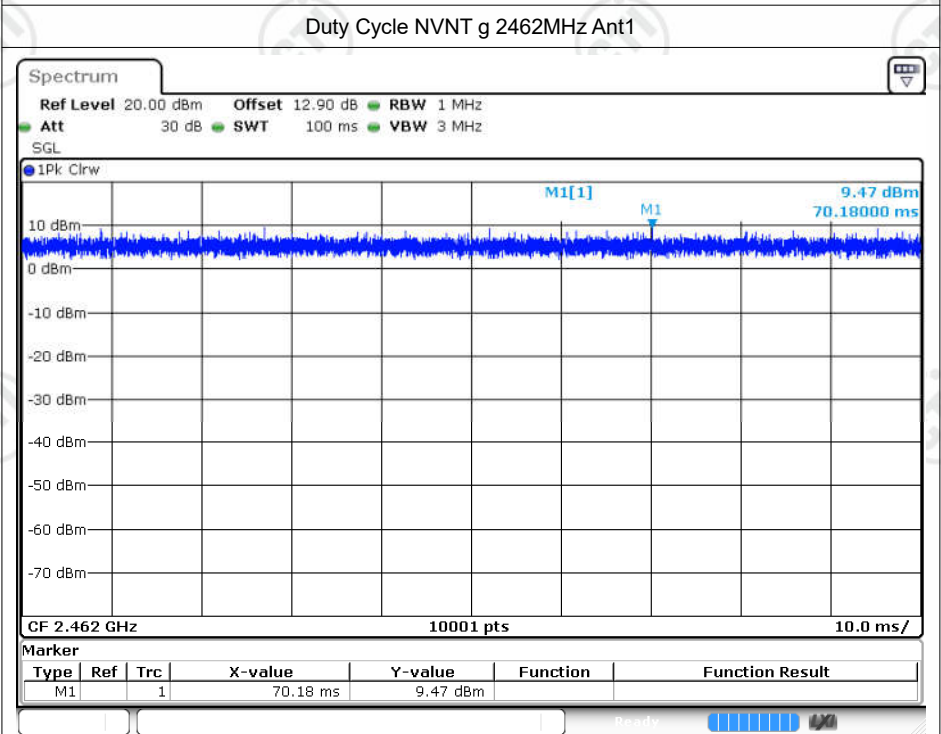
Date: 5.MAY.2024 11:36:06



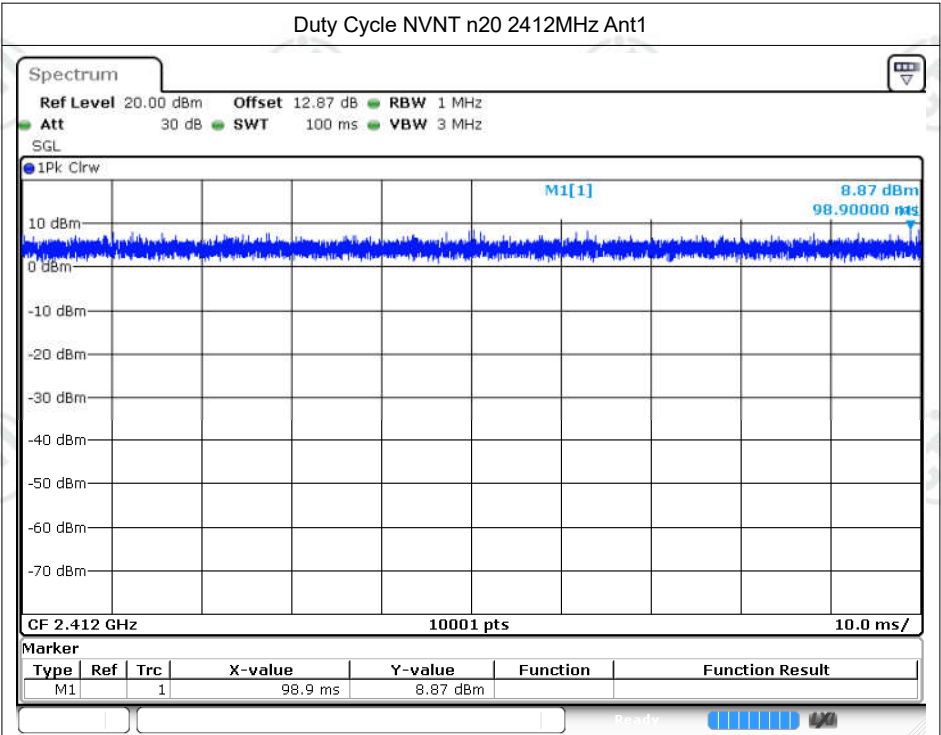
Date: 5.MAY.2024 11:41:46



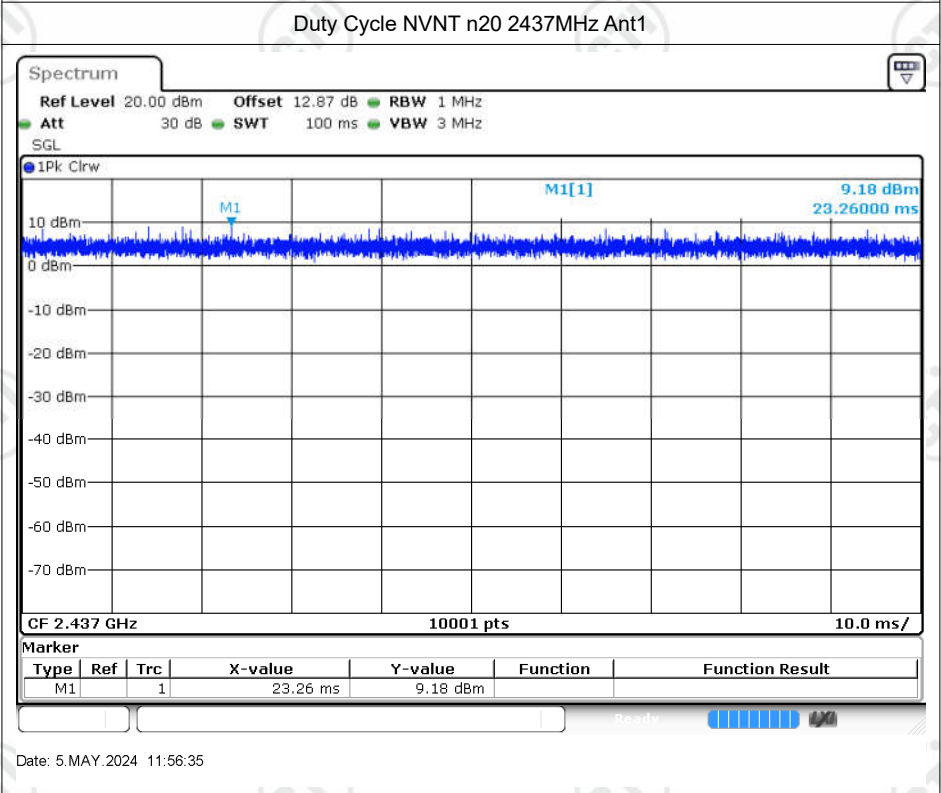
Date: 5.MAY.2024 11:45:25



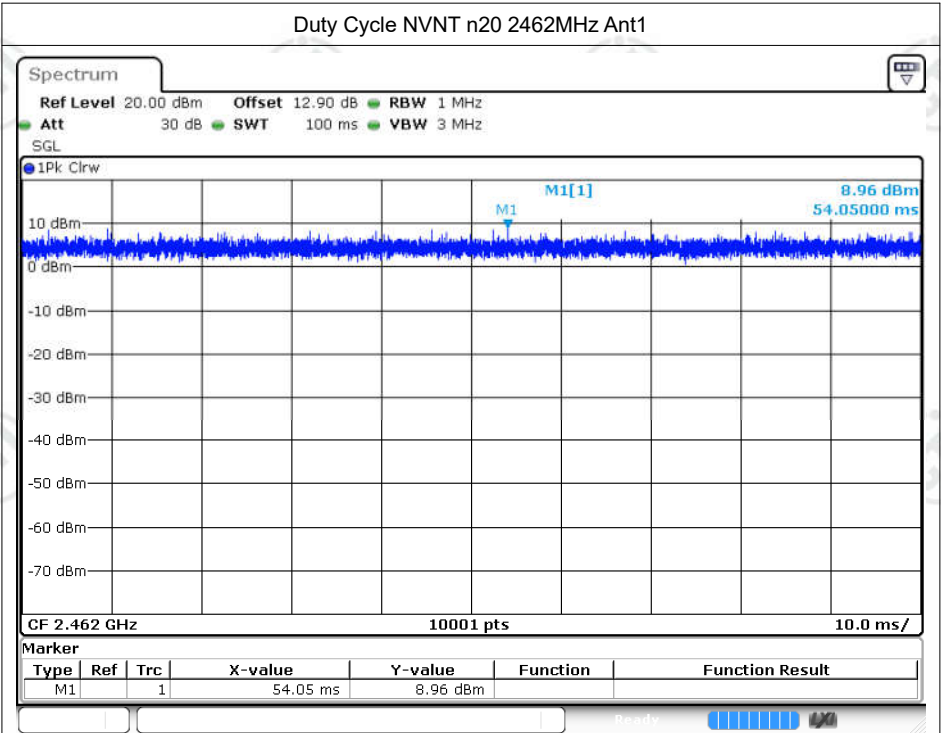
Date: 5.MAY.2024 11:46:29



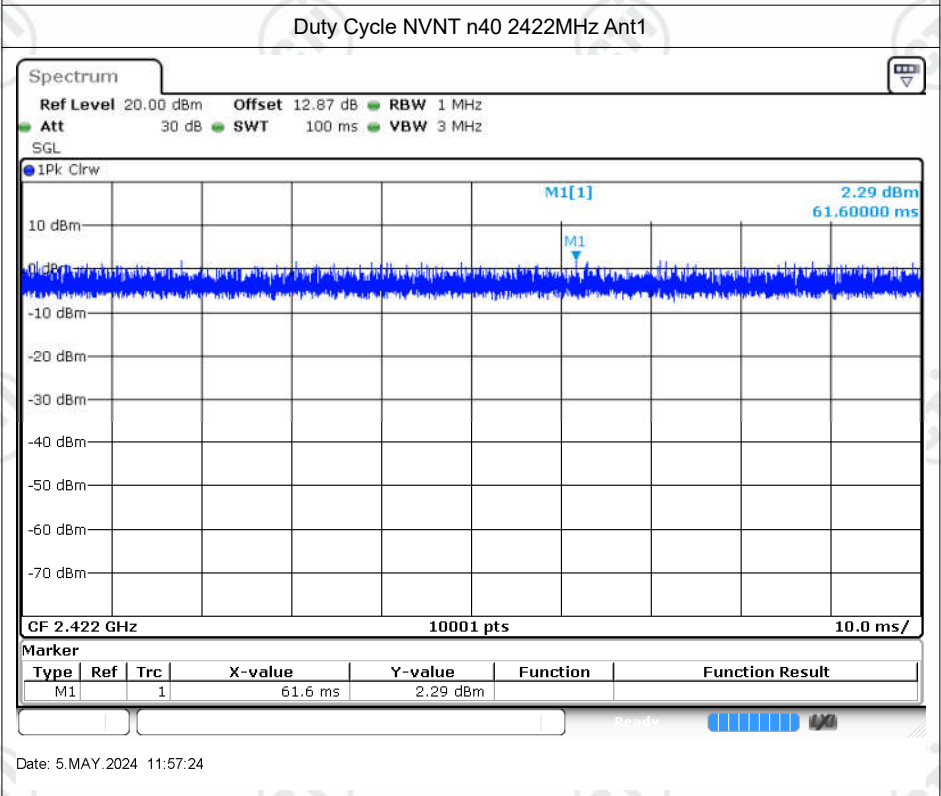
Date: 5.MAY.2024 11:48:51



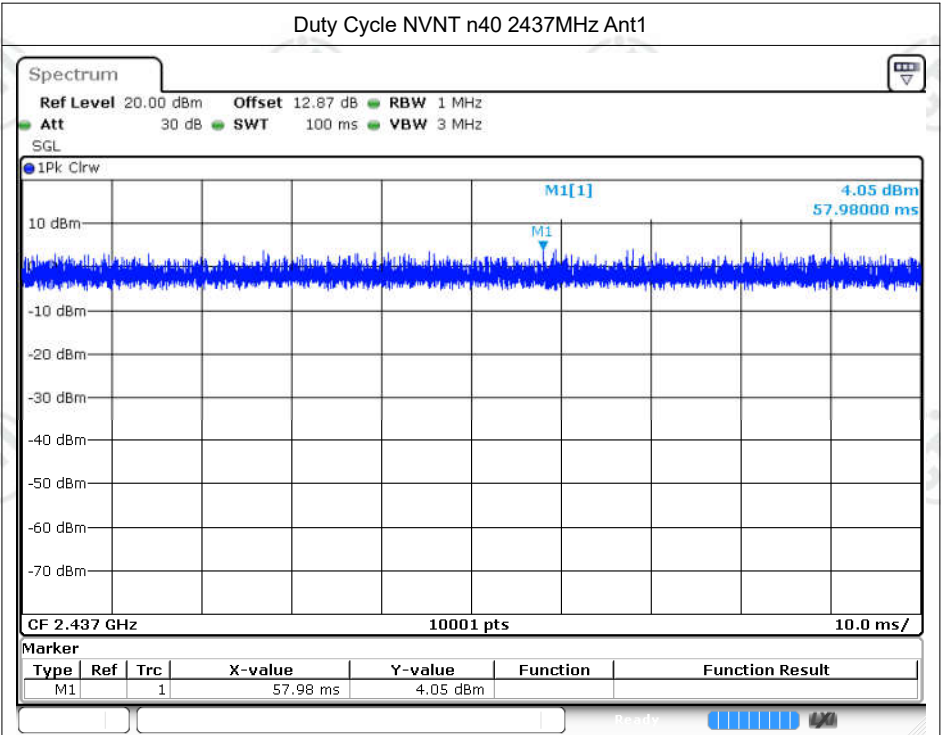
Date: 5.MAY.2024 11:56:35



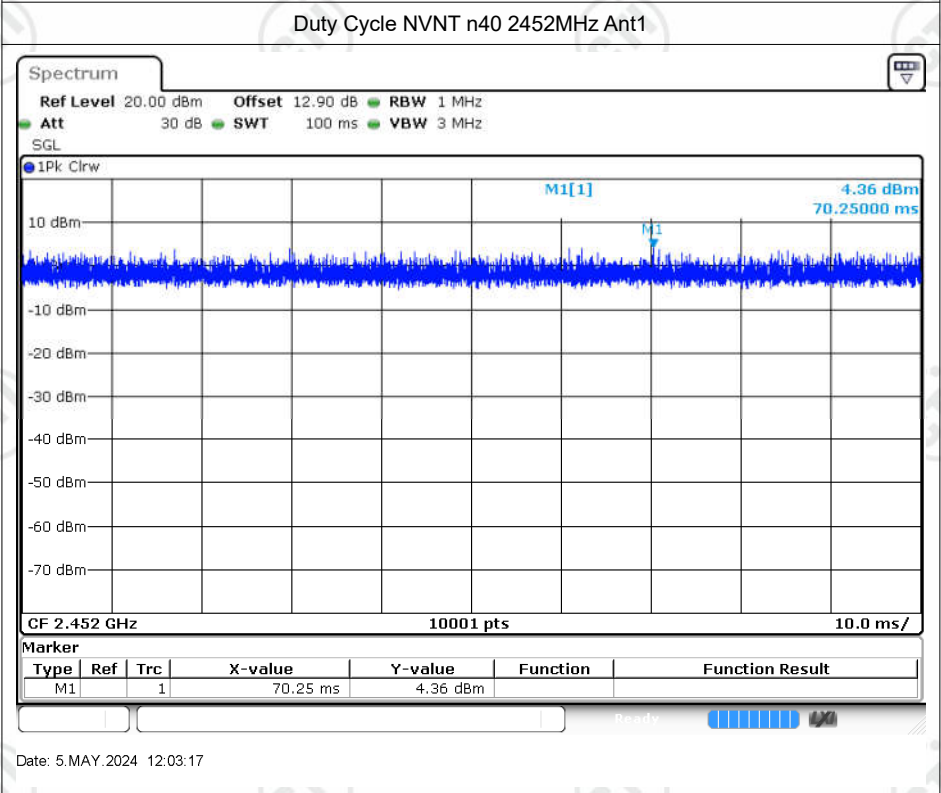
Date: 5.MAY.2024 11:54:18



Date: 5.MAY.2024 11:57:24



Date: 5.MAY.2024 12:00:21



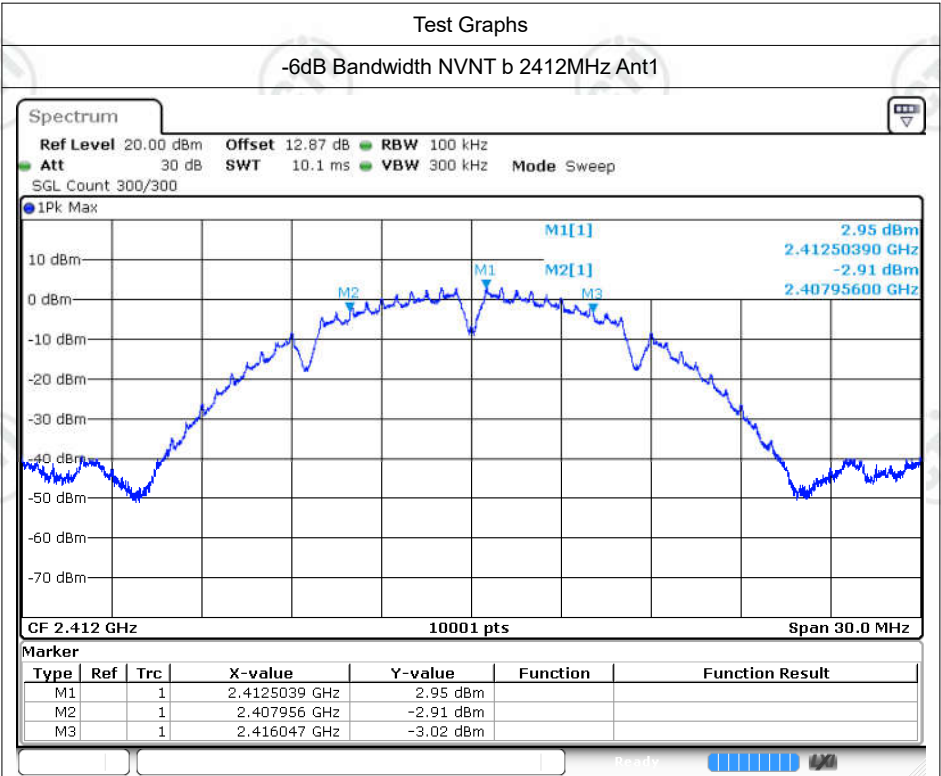
Date: 5.MAY.2024 12:03:17

Maximum Peak Conducted Output Power

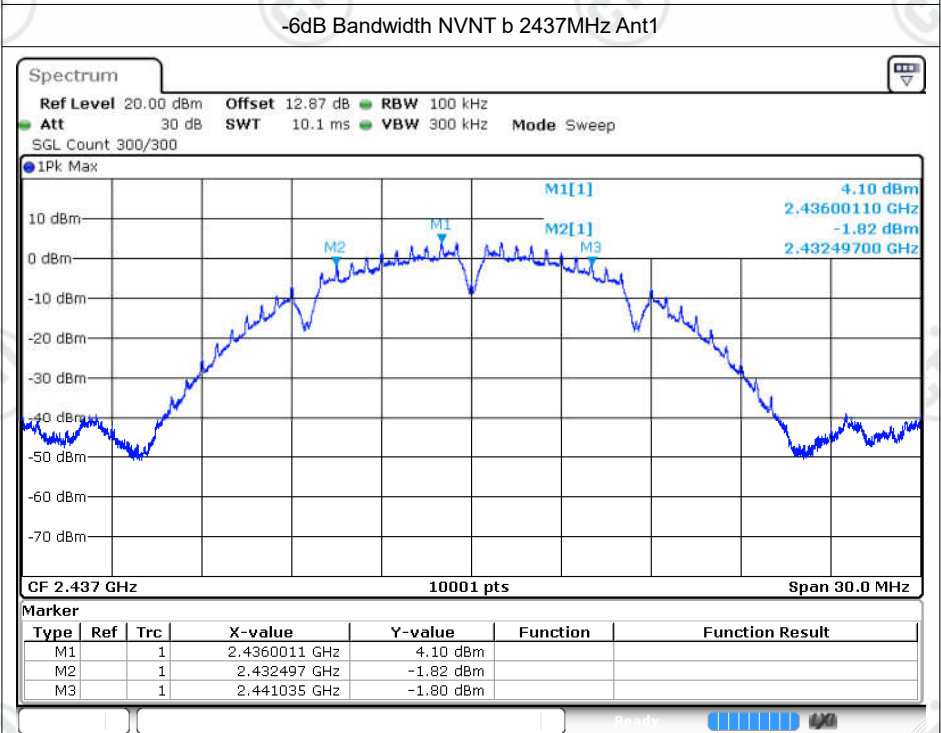
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.54	30	Pass
NVNT	b	2437	Ant1	14.34	30	Pass
NVNT	b	2462	Ant1	14.08	30	Pass
NVNT	g	2412	Ant1	13.38	30	Pass
NVNT	g	2437	Ant1	13.48	30	Pass
NVNT	g	2462	Ant1	13.37	30	Pass
NVNT	n20	2412	Ant1	12.81	30	Pass
NVNT	n20	2437	Ant1	12.94	30	Pass
NVNT	n20	2462	Ant1	12.81	30	Pass
NVNT	n40	2422	Ant1	12.8	30	Pass
NVNT	n40	2437	Ant1	12.84	30	Pass
NVNT	n40	2452	Ant1	12.8	30	Pass

-6dB Bandwidth

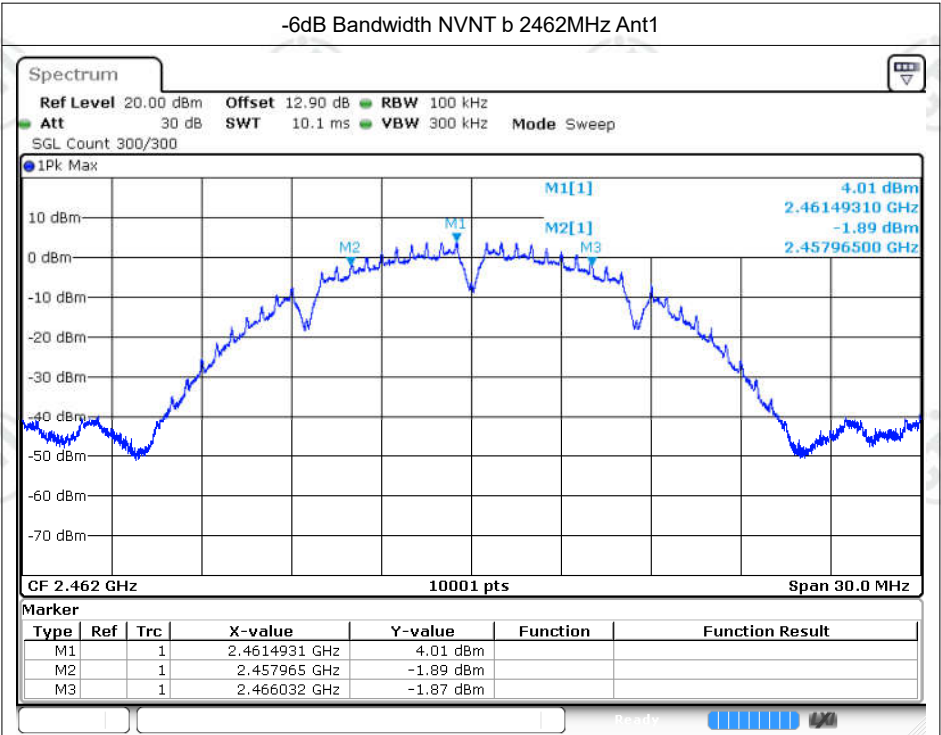
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.091	0.5	Pass
NVNT	b	2437	Ant1	8.538	0.5	Pass
NVNT	b	2462	Ant1	8.067	0.5	Pass
NVNT	g	2412	Ant1	16.335	0.5	Pass
NVNT	g	2437	Ant1	16.335	0.5	Pass
NVNT	g	2462	Ant1	16.326	0.5	Pass
NVNT	n20	2412	Ant1	17.574	0.5	Pass
NVNT	n20	2437	Ant1	17.58	0.5	Pass
NVNT	n20	2462	Ant1	17.568	0.5	Pass
NVNT	n40	2422	Ant1	35.904	0.5	Pass
NVNT	n40	2437	Ant1	36.06	0.5	Pass
NVNT	n40	2452	Ant1	35.862	0.5	Pass



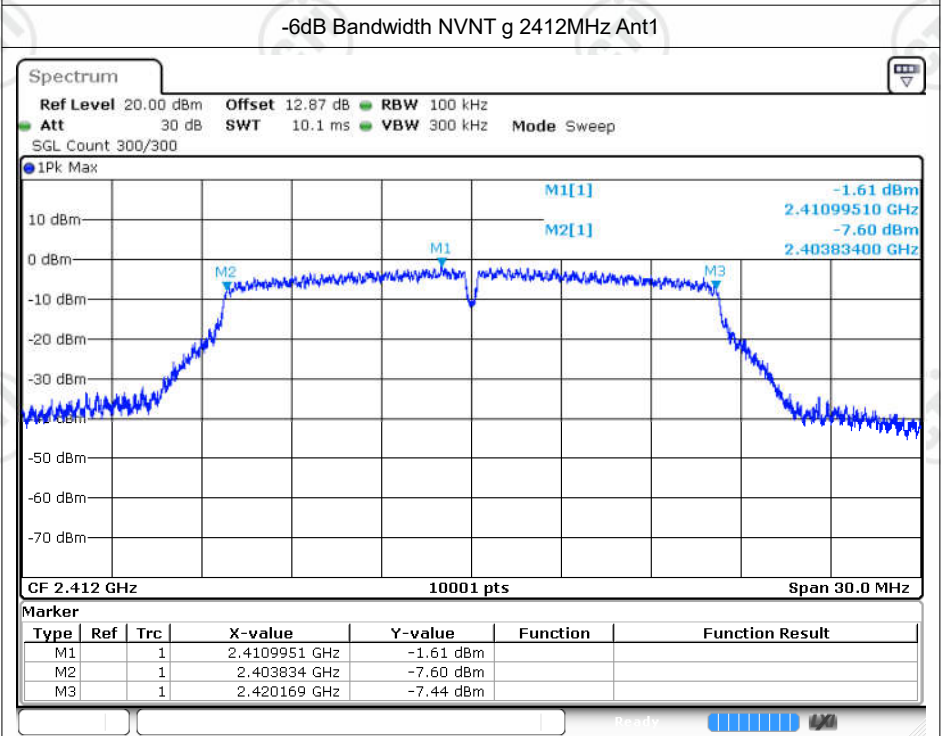
Date: 5.MAY.2024 11:32:37



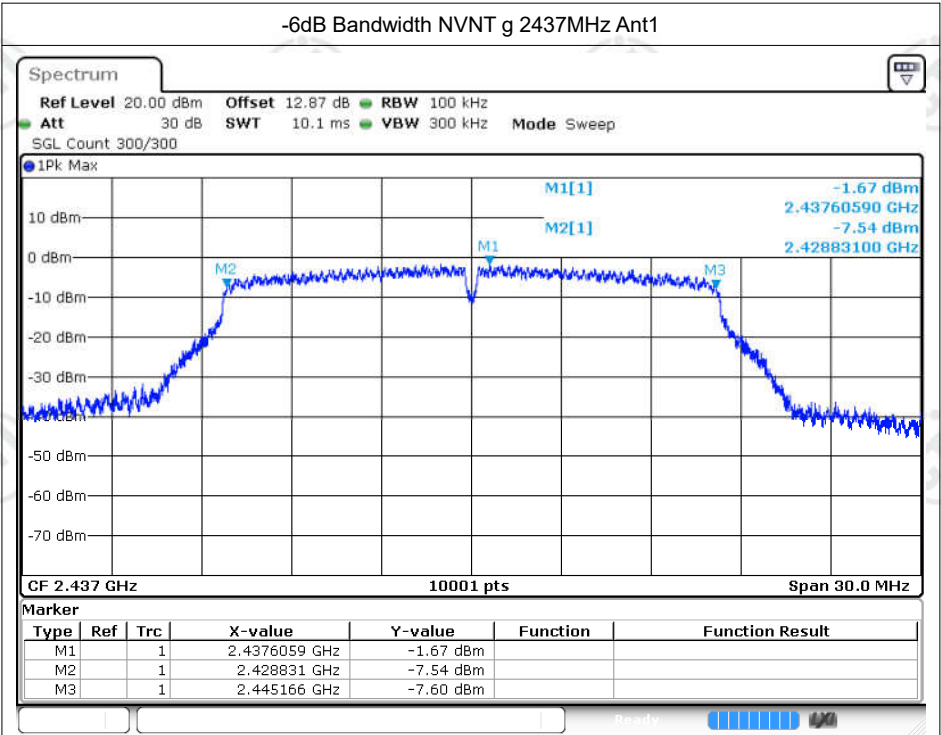
Date: 5.MAY.2024 11:34:51



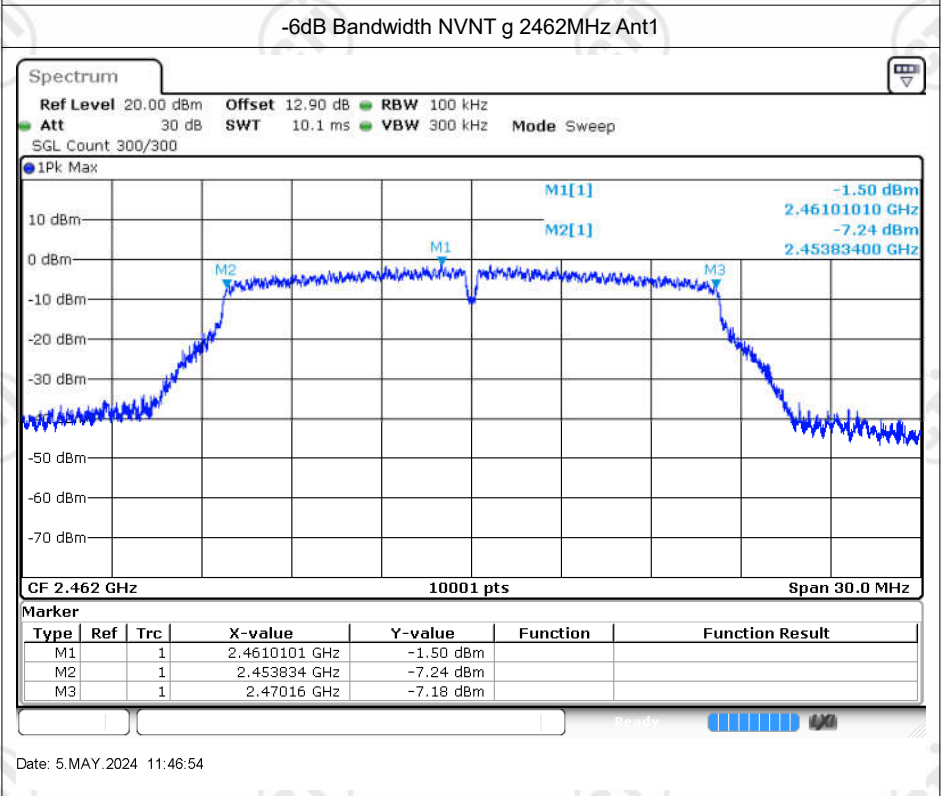
Date: 5.MAY.2024 11:36:33



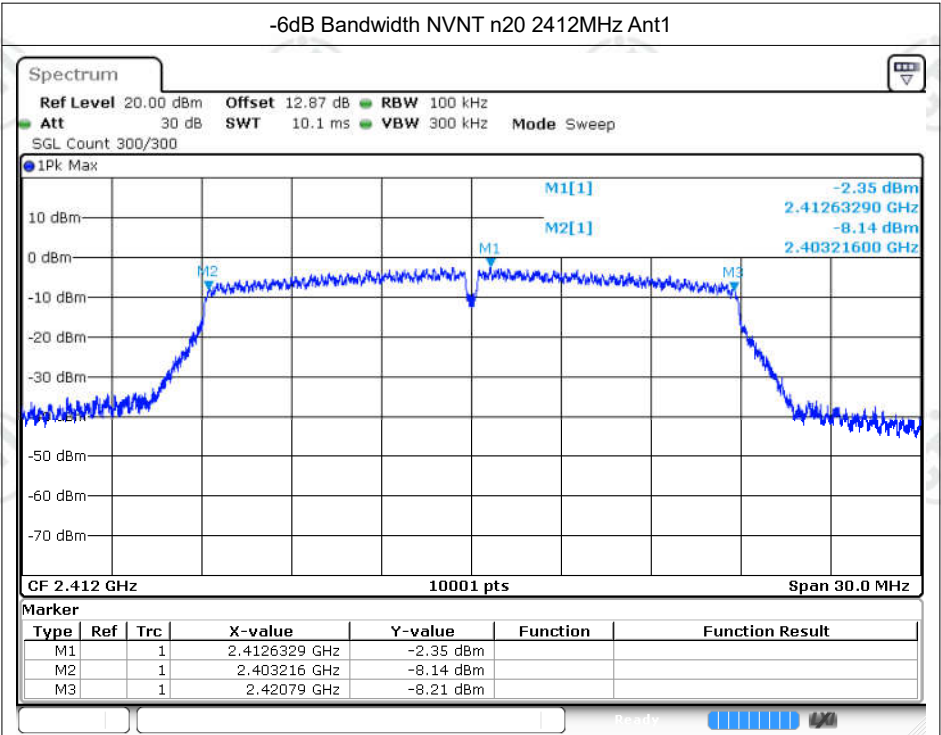
Date: 5.MAY.2024 11:42:14



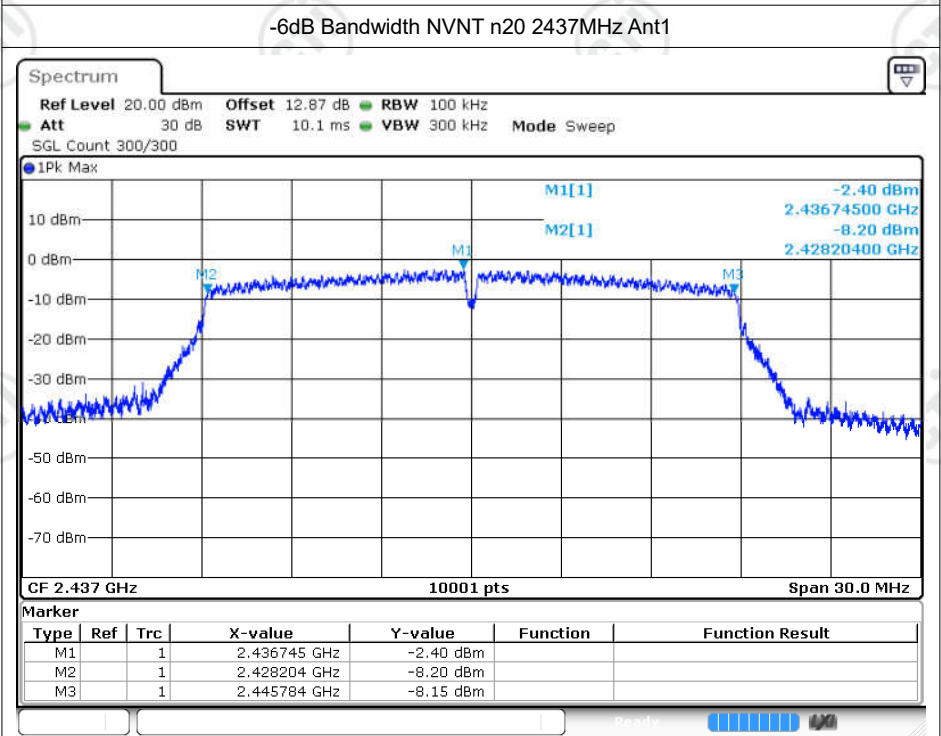
Date: 5.MAY.2024 11:44:10



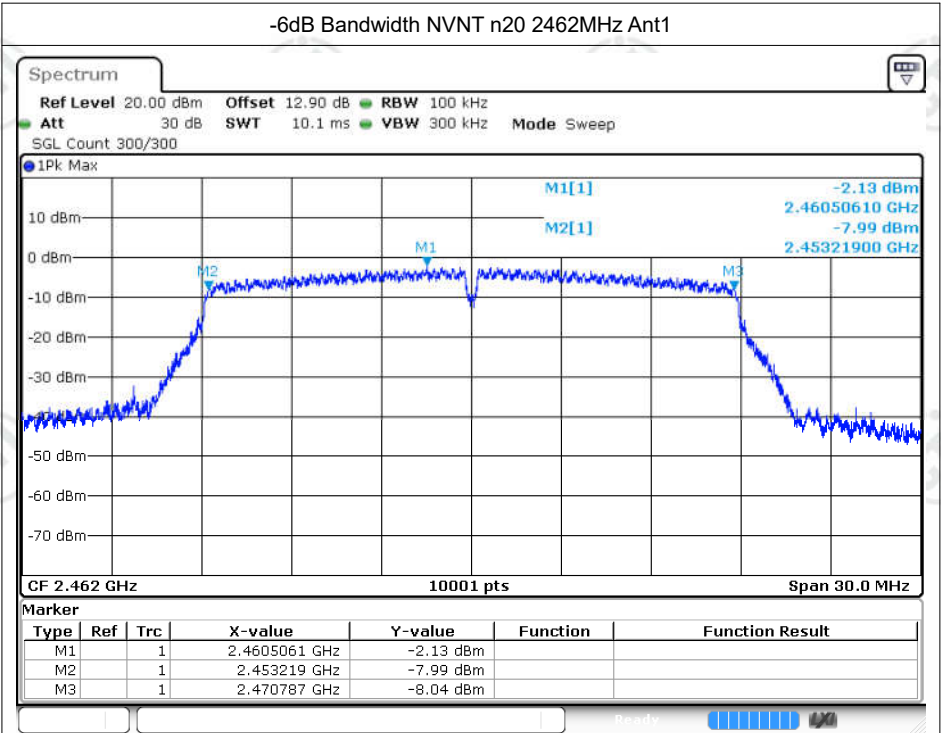
Date: 5.MAY.2024 11:46:54



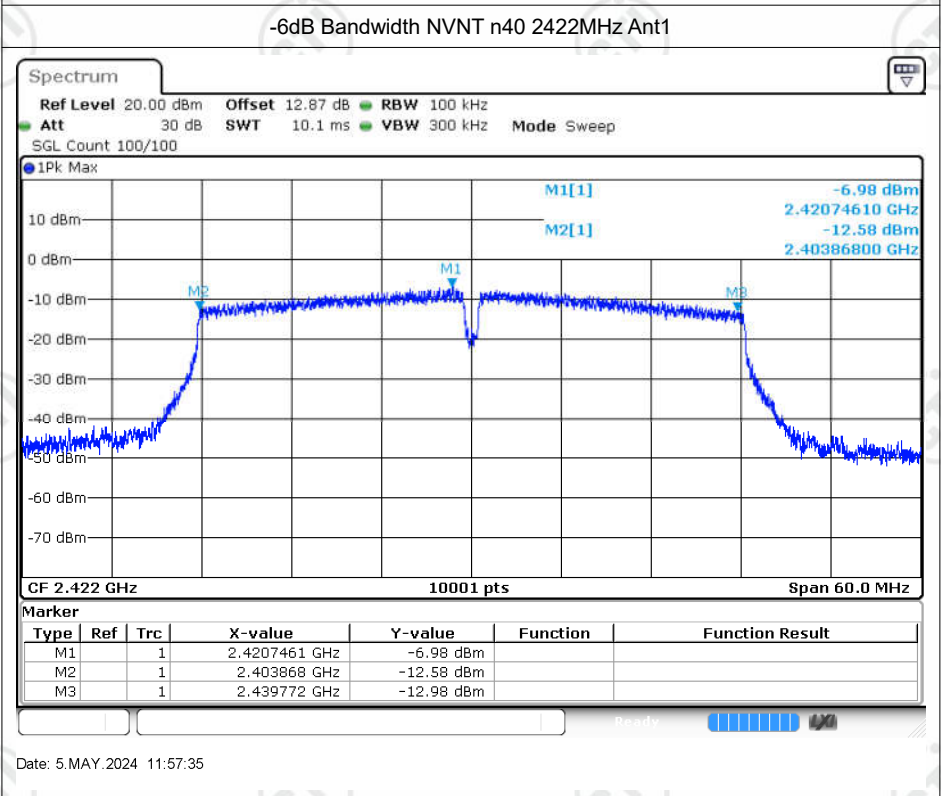
Date: 5.MAY.2024 11:49:02



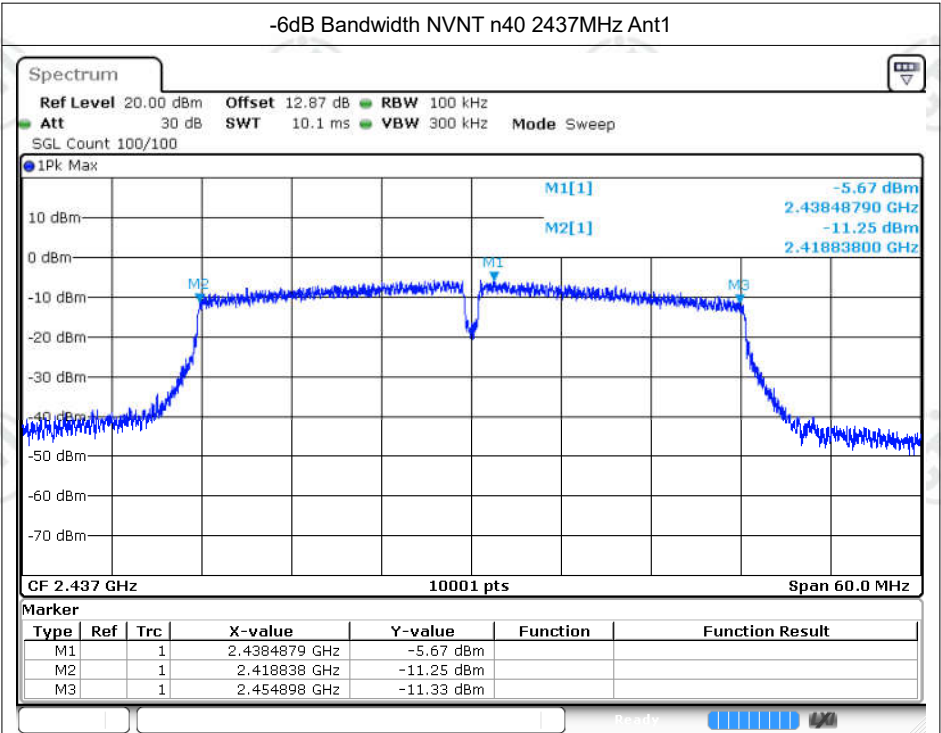
Date: 5.MAY.2024 11:51:49



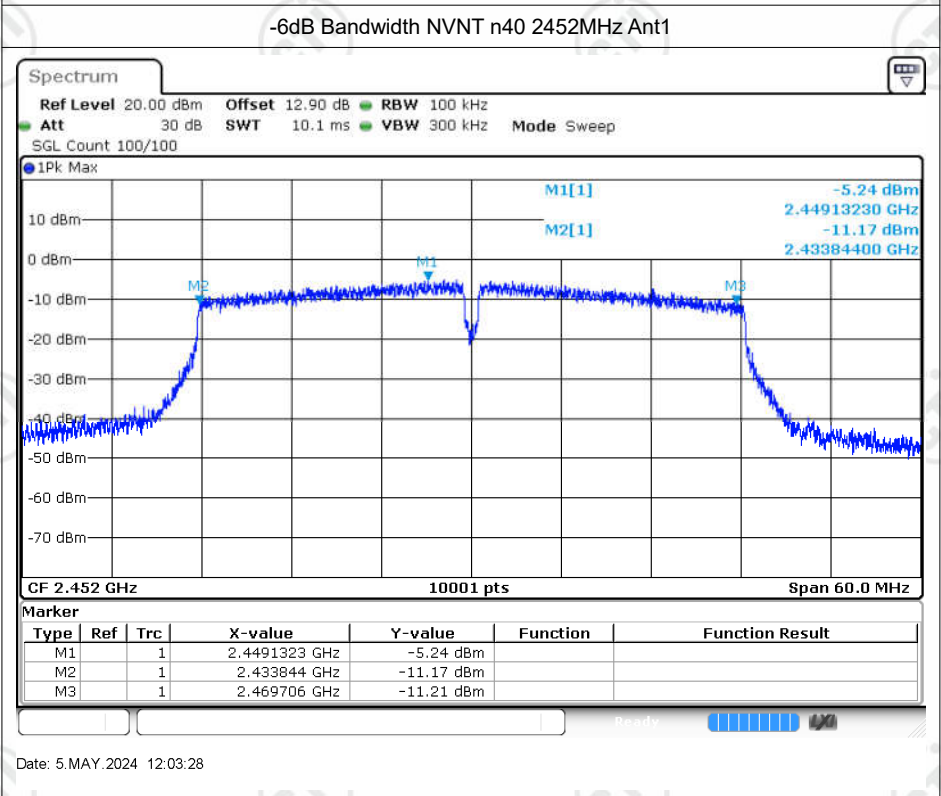
Date: 5.MAY.2024 11:54:42



Date: 5.MAY.2024 11:57:35



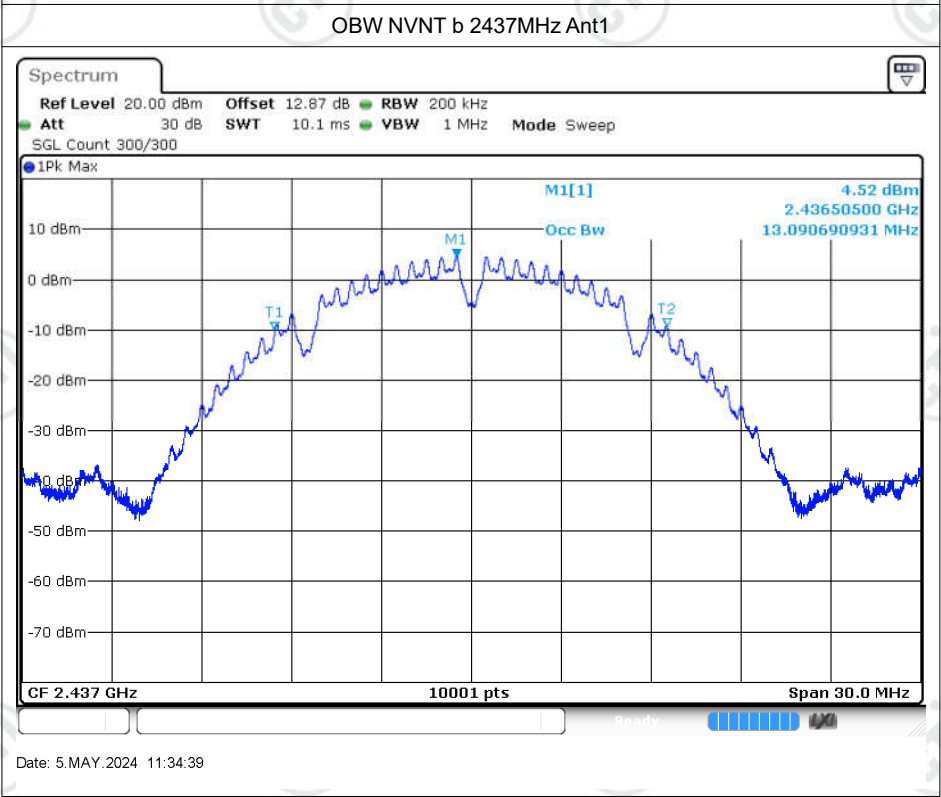
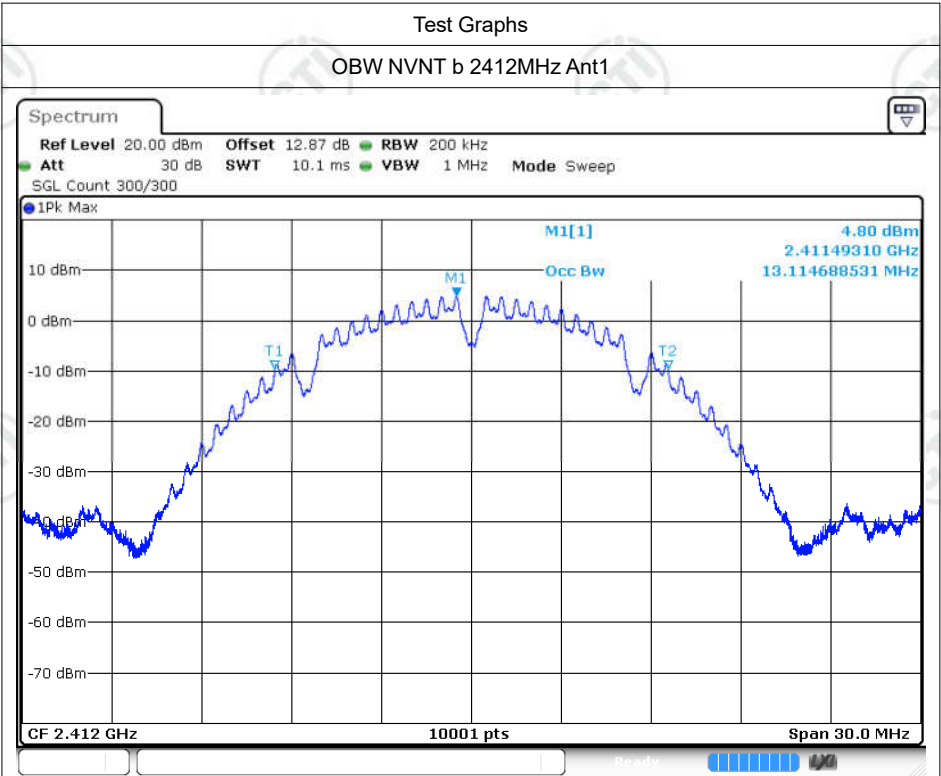
Date: 5.MAY.2024 12:00:32

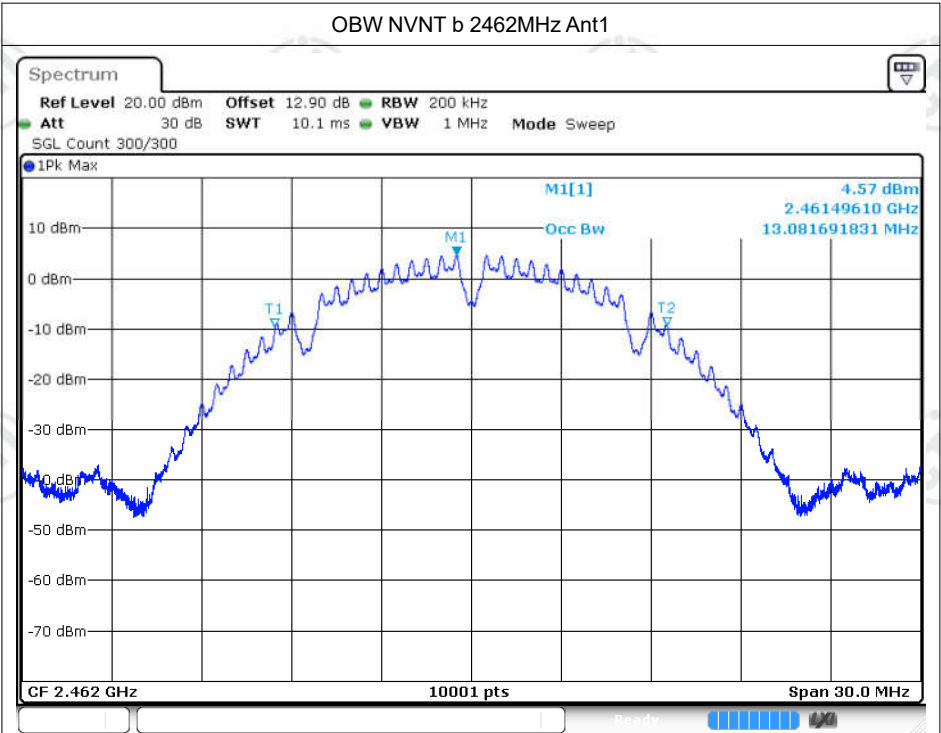


Date: 5.MAY.2024 12:03:28

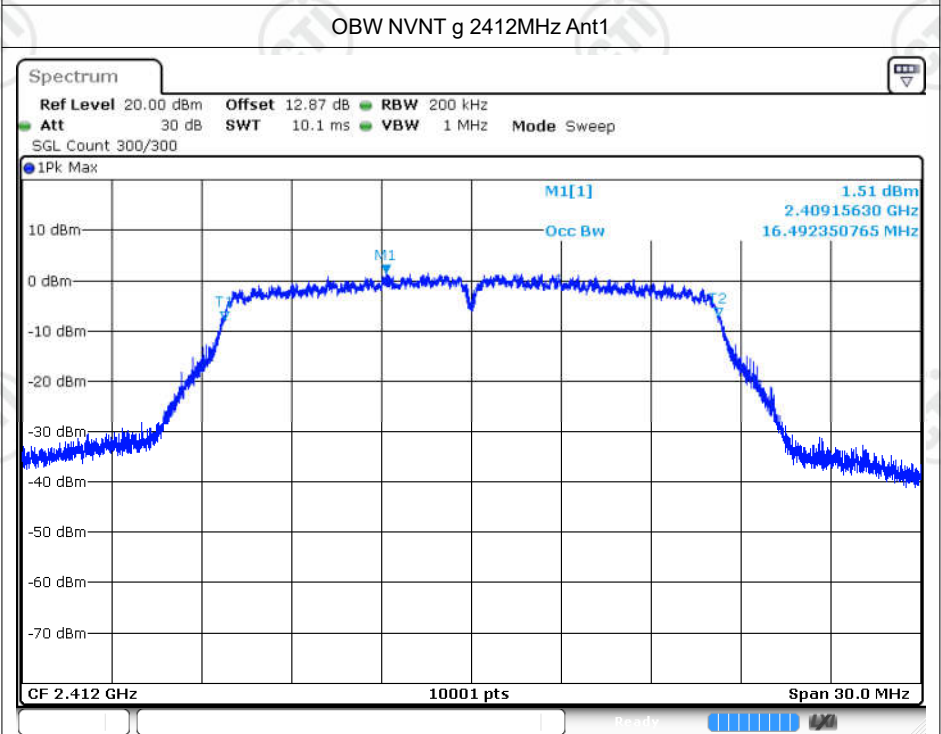
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.115
NVNT	b	2437	Ant1	13.091
NVNT	b	2462	Ant1	13.082
NVNT	g	2412	Ant1	16.492
NVNT	g	2437	Ant1	16.519
NVNT	g	2462	Ant1	16.495
NVNT	n20	2412	Ant1	17.614
NVNT	n20	2437	Ant1	17.614
NVNT	n20	2462	Ant1	17.602
NVNT	n40	2422	Ant1	36.026
NVNT	n40	2437	Ant1	36.026
NVNT	n40	2452	Ant1	36.02

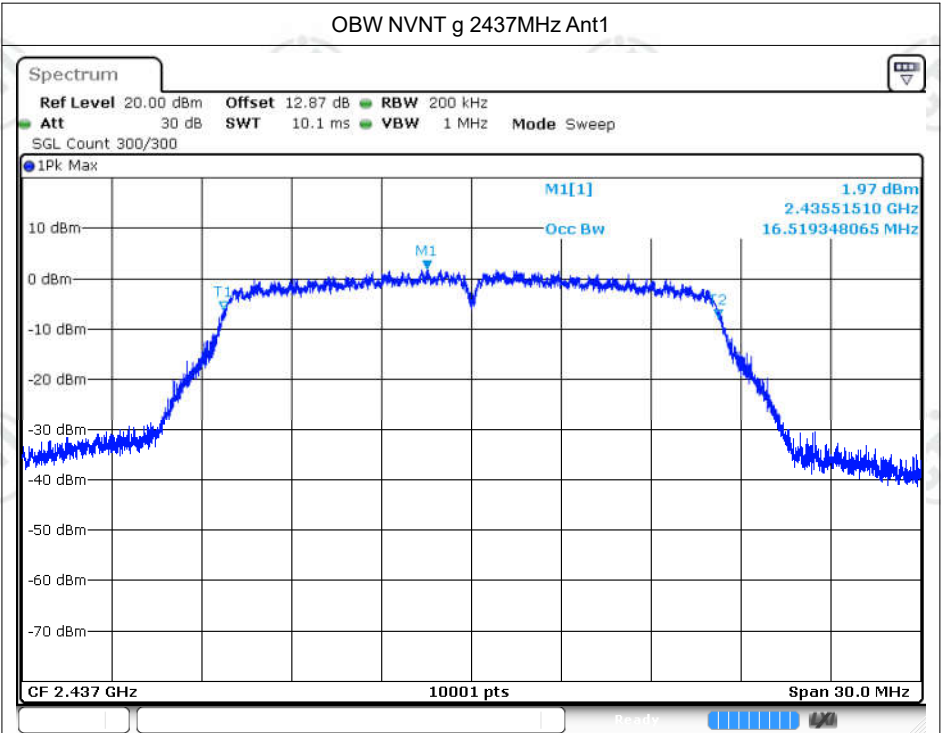




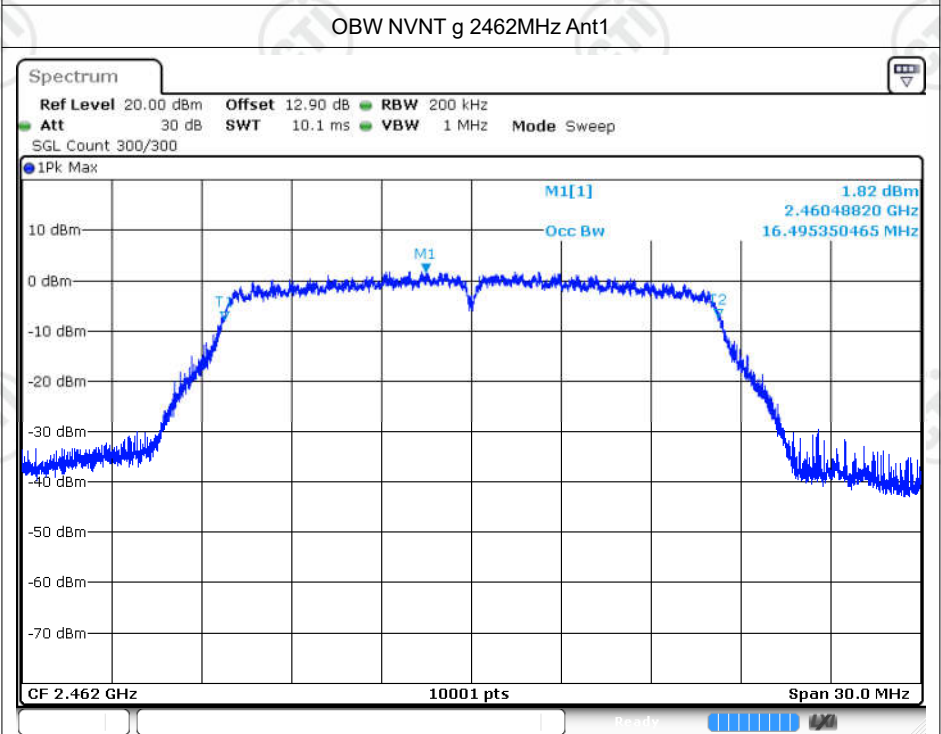
Date: 5.MAY.2024 11:36:20



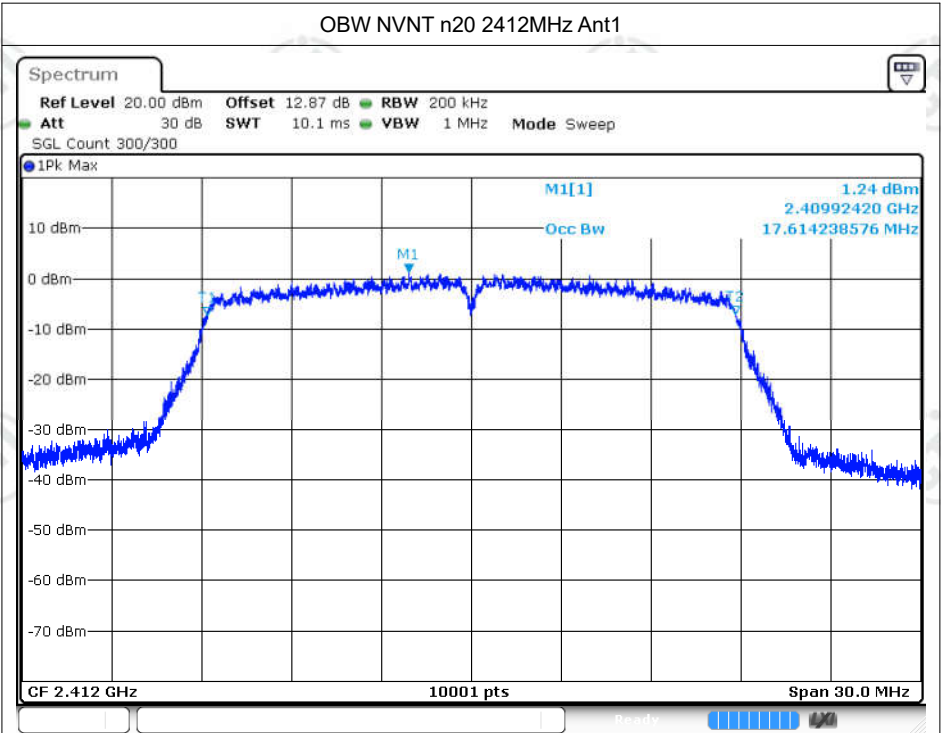
Date: 5.MAY.2024 11:42:03



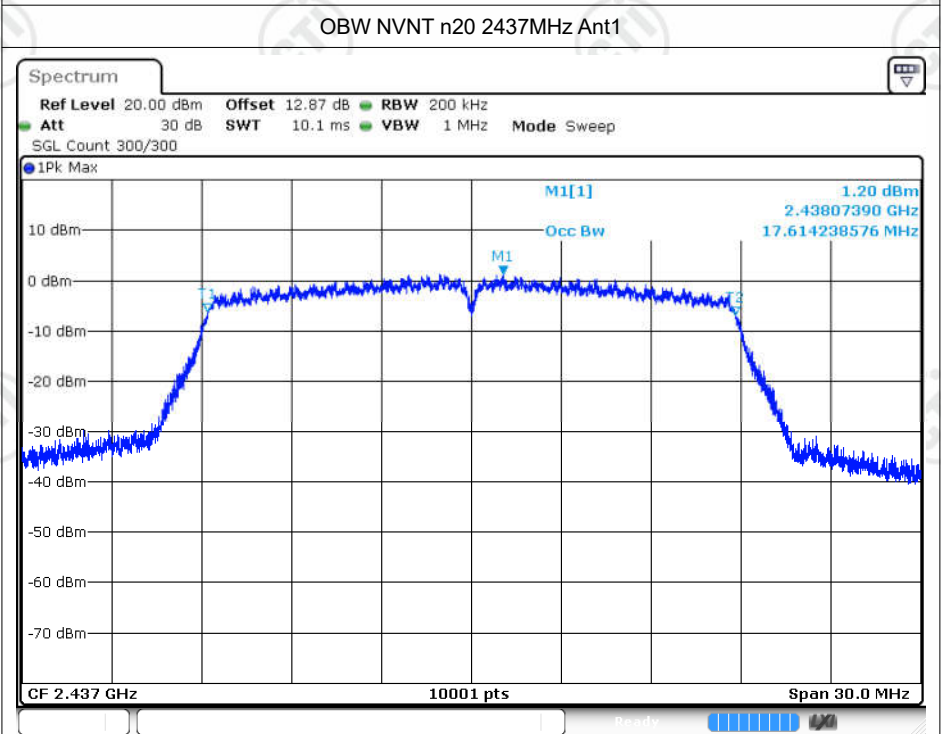
Date: 5.MAY.2024 11:43:59



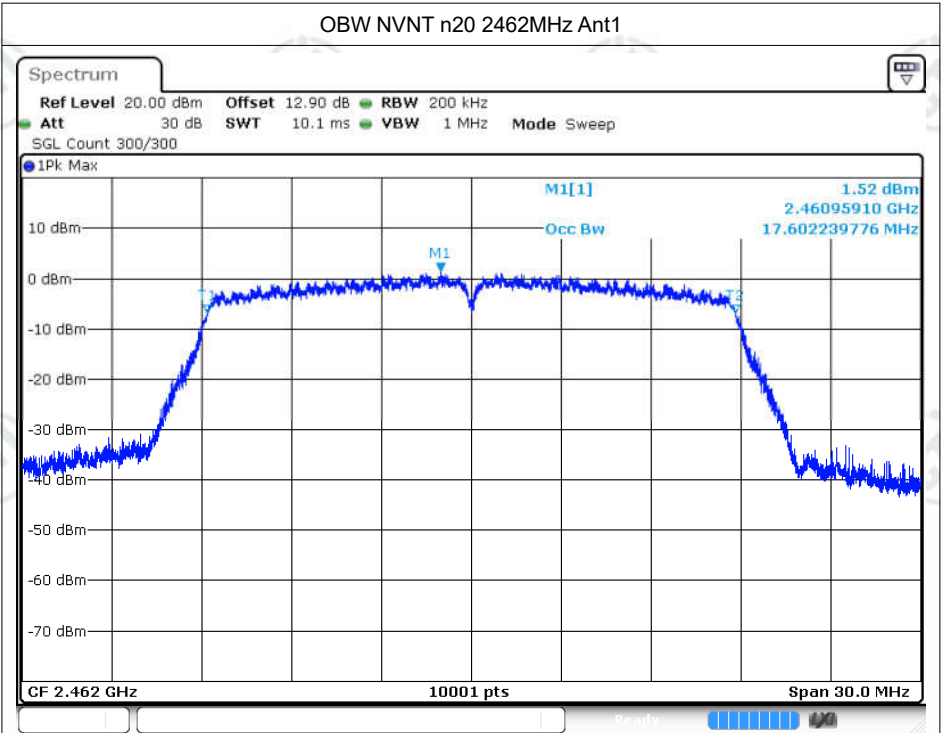
Date: 5.MAY.2024 11:46:41



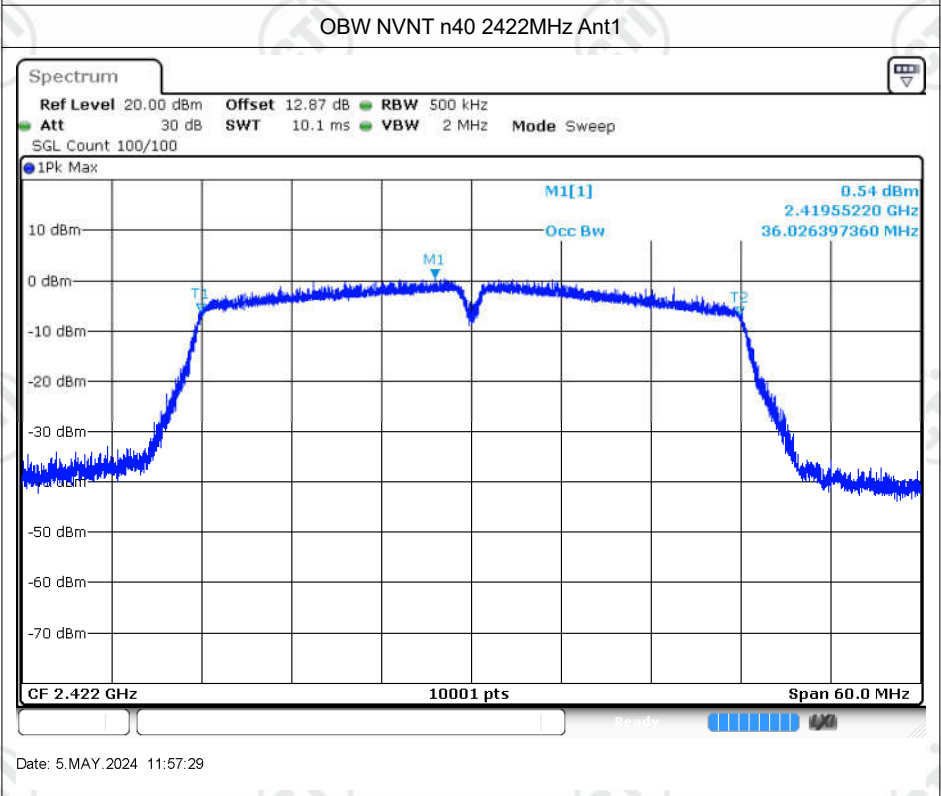
Date: 5.MAY.2024 11:50:27



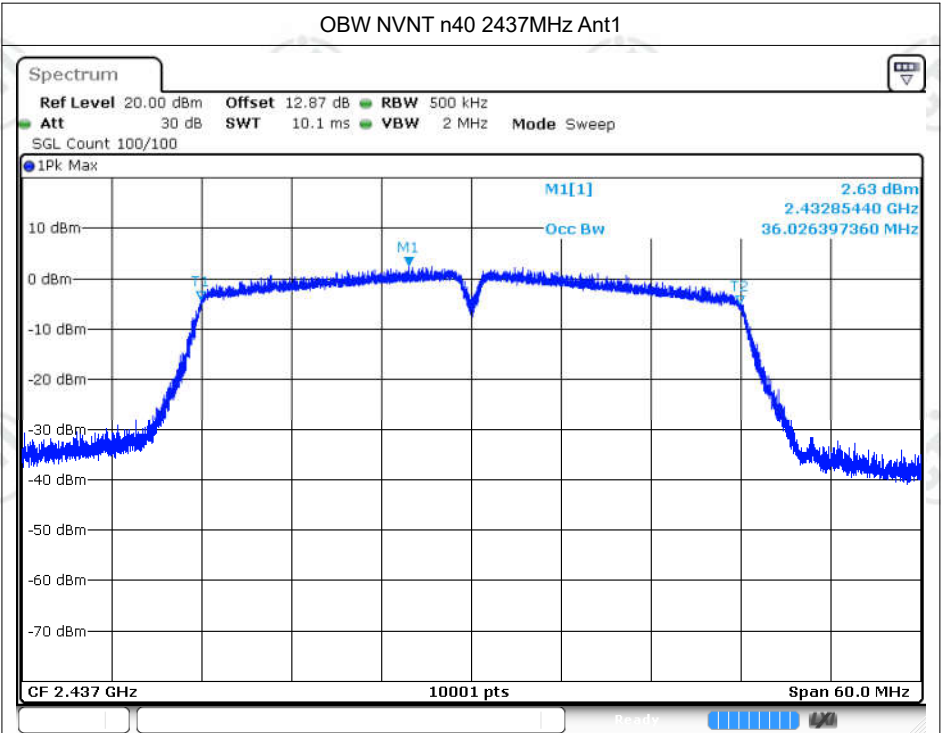
Date: 5.MAY.2024 11:51:37



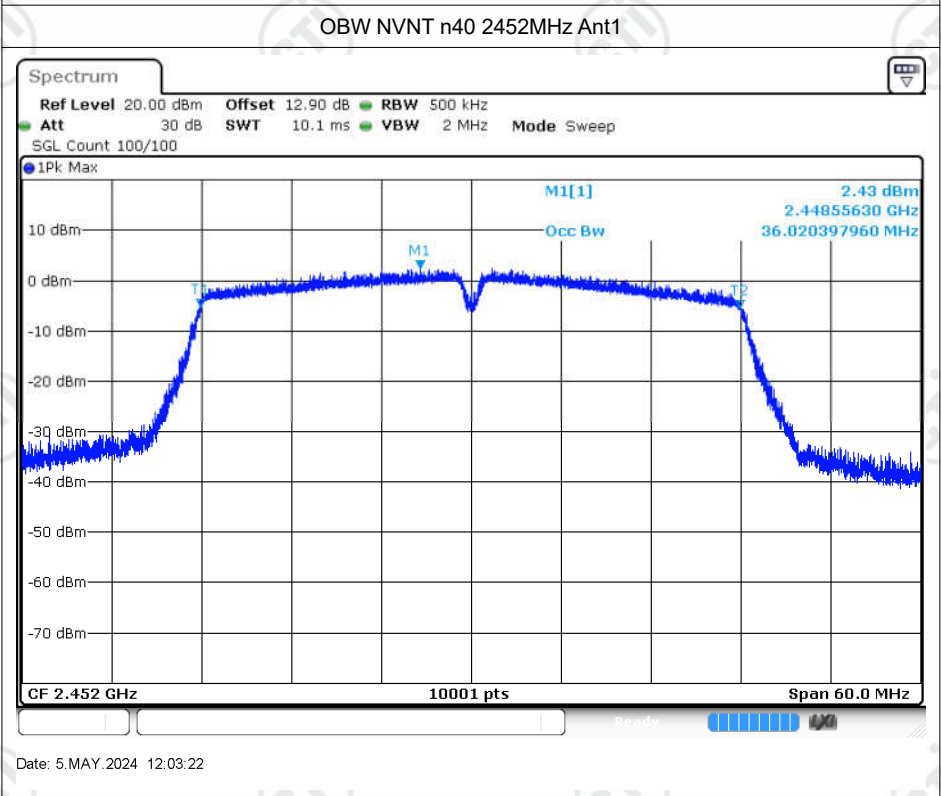
Date: 5.MAY.2024 11:54:30



Date: 5.MAY.2024 11:57:29



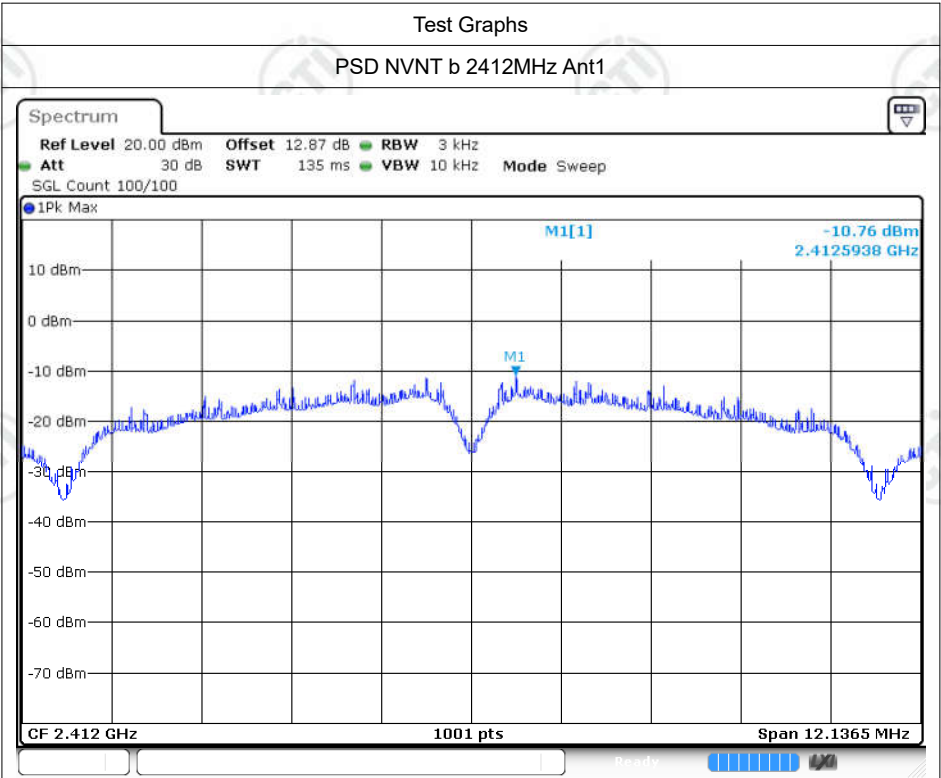
Date: 5.MAY.2024 12:00:26



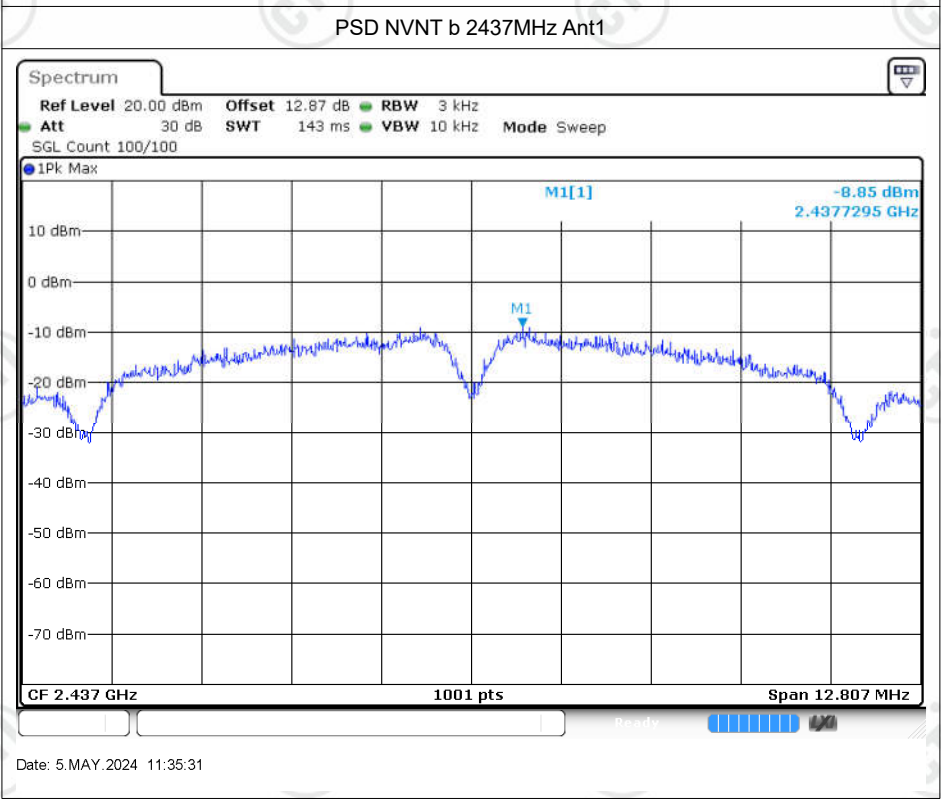
Date: 5.MAY.2024 12:03:22

Maximum Power Spectral Density Level

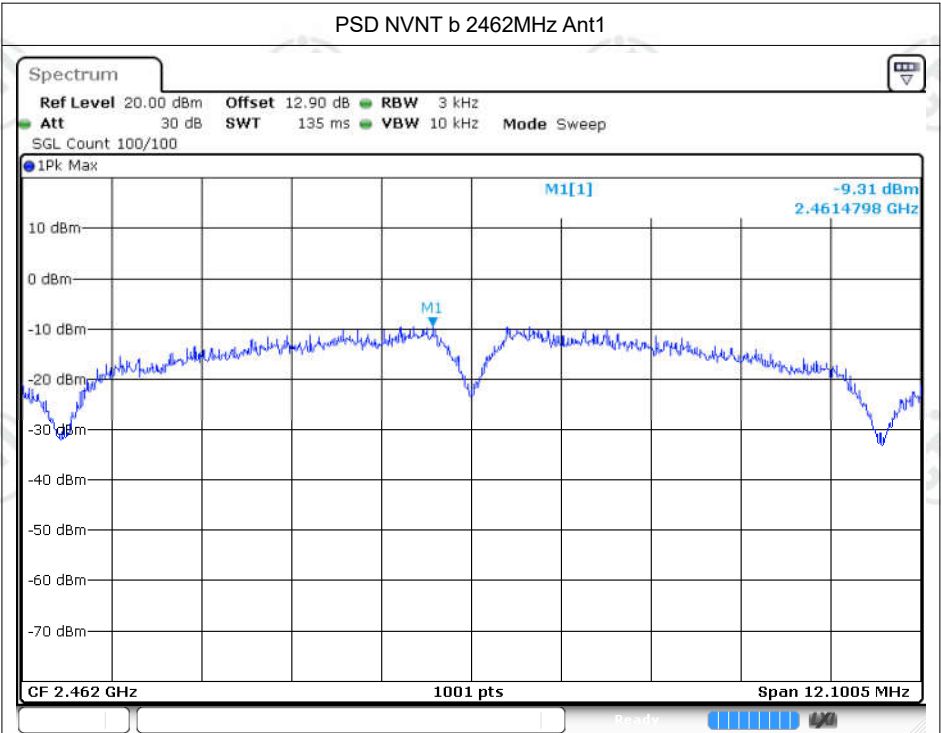
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-10.76	8	Pass
NVNT	b	2437	Ant1	-8.85	8	Pass
NVNT	b	2462	Ant1	-9.31	8	Pass
NVNT	g	2412	Ant1	-13.43	8	Pass
NVNT	g	2437	Ant1	-12.54	8	Pass
NVNT	g	2462	Ant1	-11.92	8	Pass
NVNT	n20	2412	Ant1	-13.29	8	Pass
NVNT	n20	2437	Ant1	-12.68	8	Pass
NVNT	n20	2462	Ant1	-13.6	8	Pass
NVNT	n40	2422	Ant1	-17.1	8	Pass
NVNT	n40	2437	Ant1	-15.12	8	Pass
NVNT	n40	2452	Ant1	-16	8	Pass



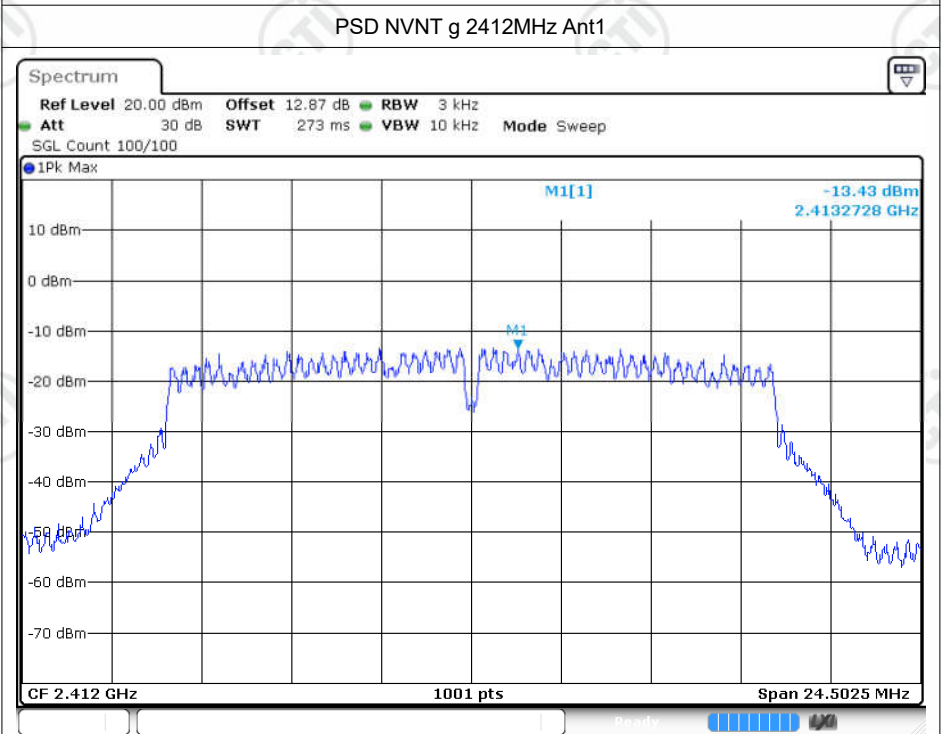
Date: 5.MAY.2024 11:32:57



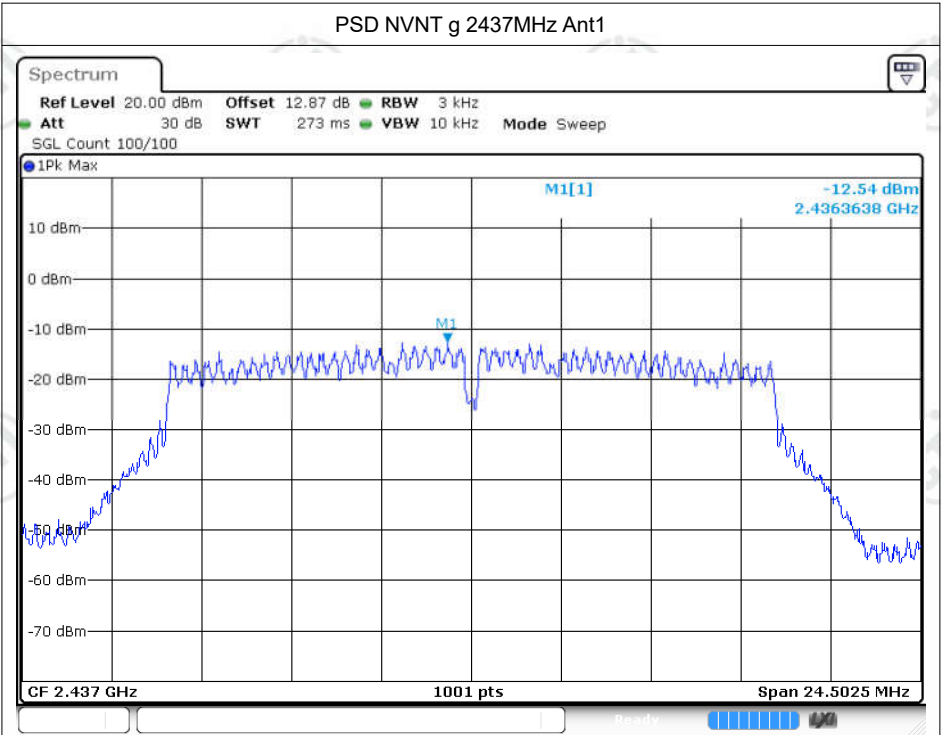
Date: 5.MAY.2024 11:35:31



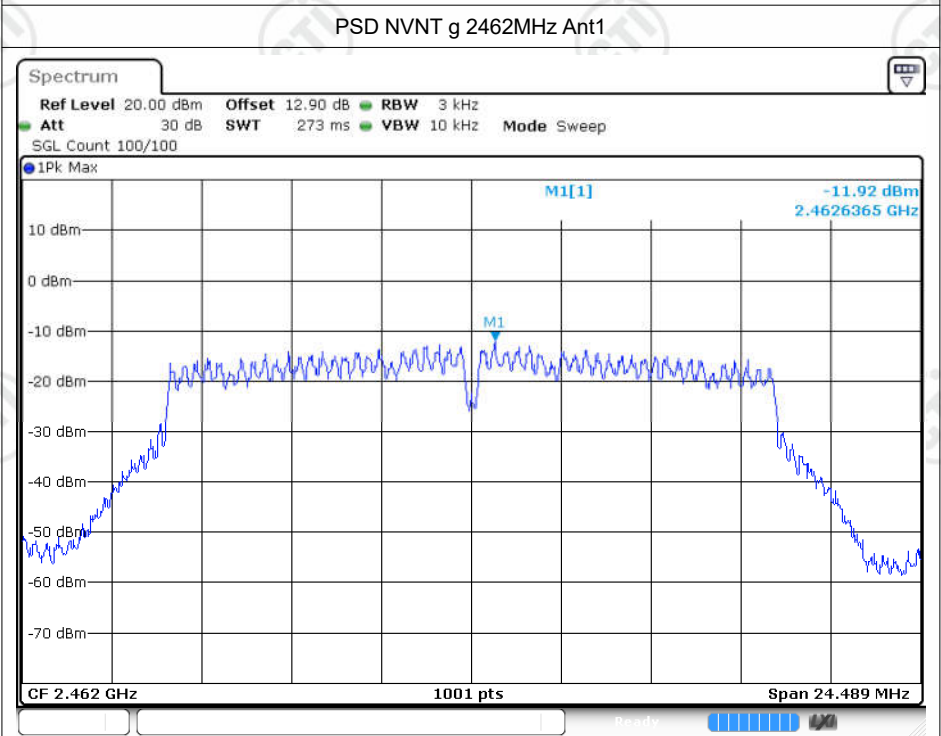
Date: 5.MAY.2024 11:36:53



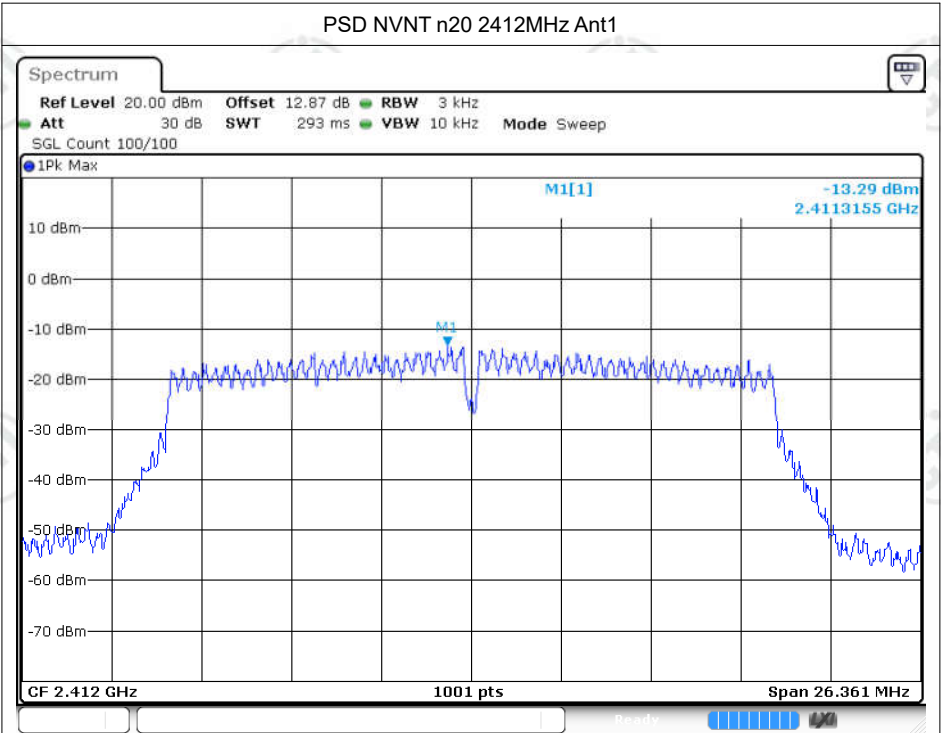
Date: 5.MAY.2024 11:42:51



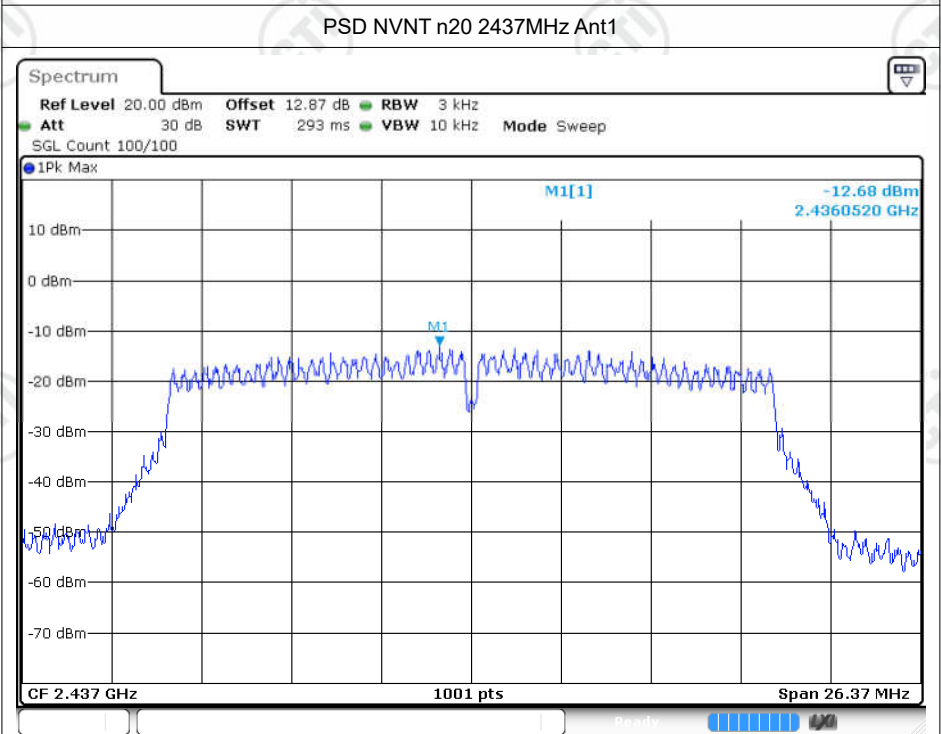
Date: 5.MAY.2024 11:45:07



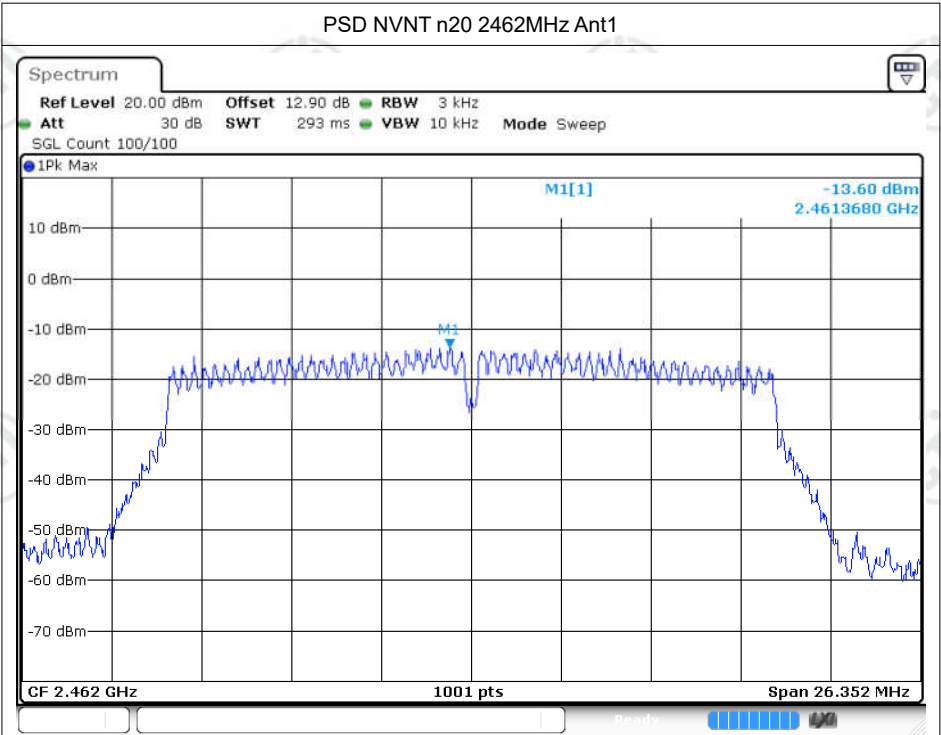
Date: 5.MAY.2024 11:47:30



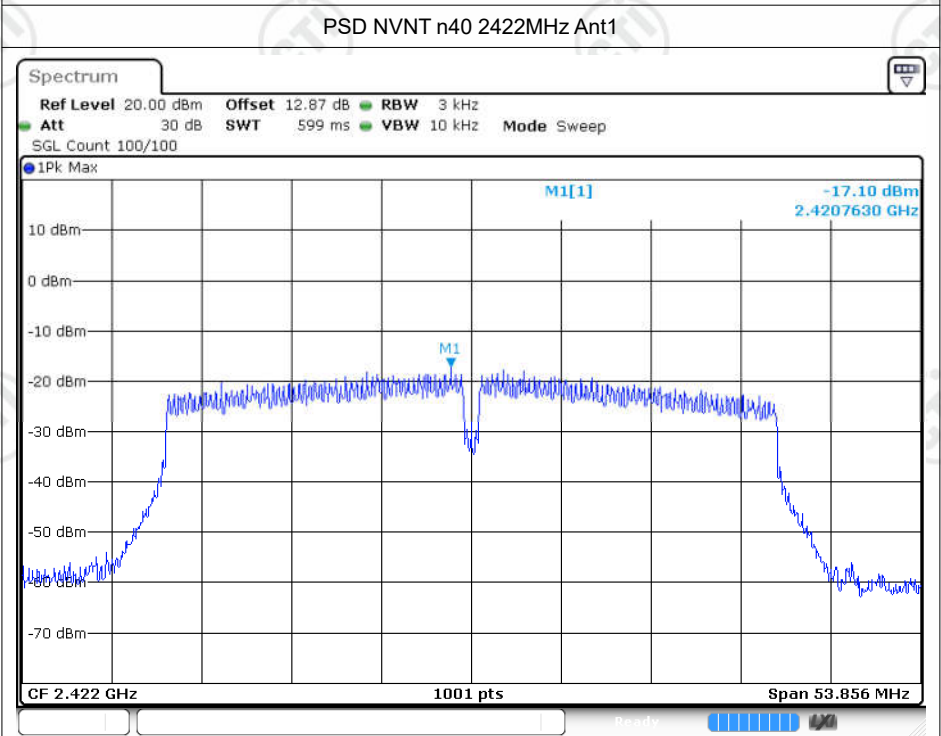
Date: 5.MAY.2024 11:49:41



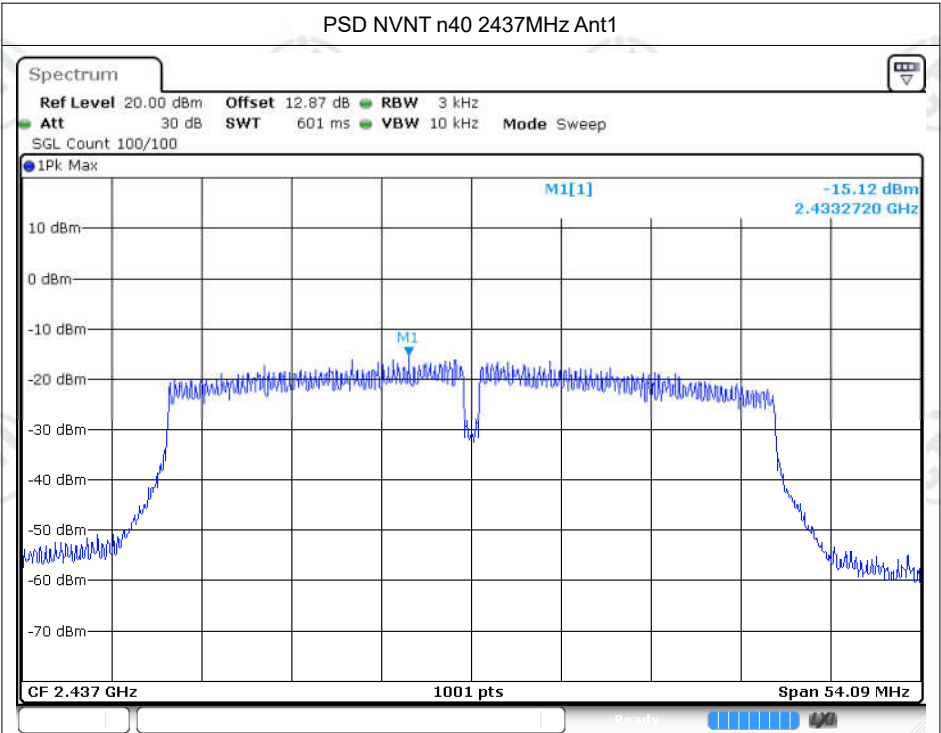
Date: 5.MAY.2024 11:52:48



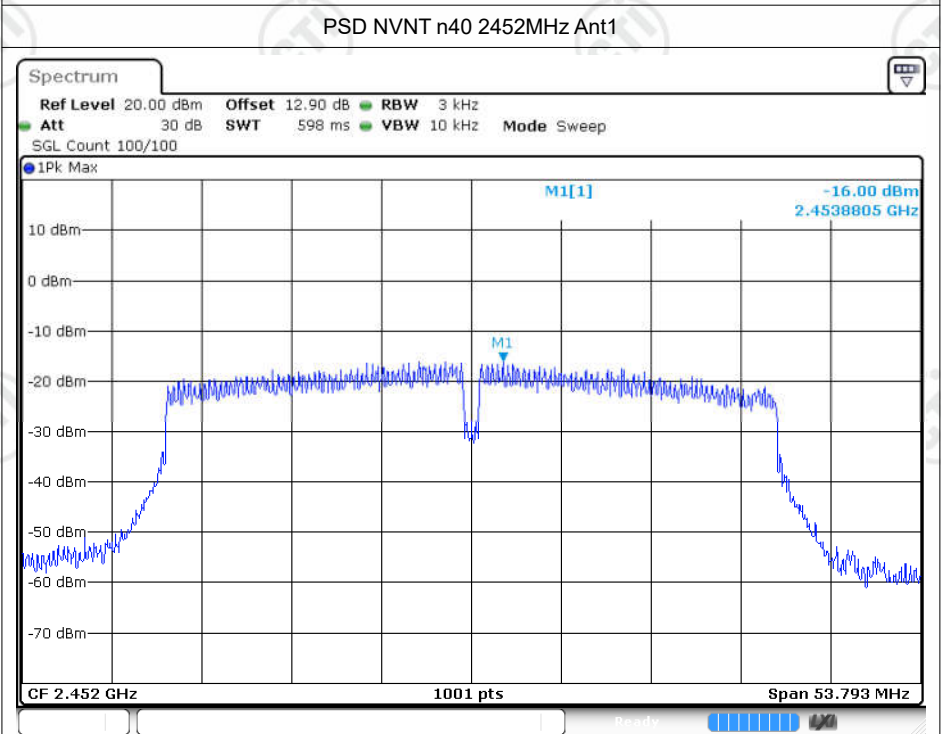
Date: 5.MAY.2024 11:55:21



Date: 5.MAY.2024 11:58:51



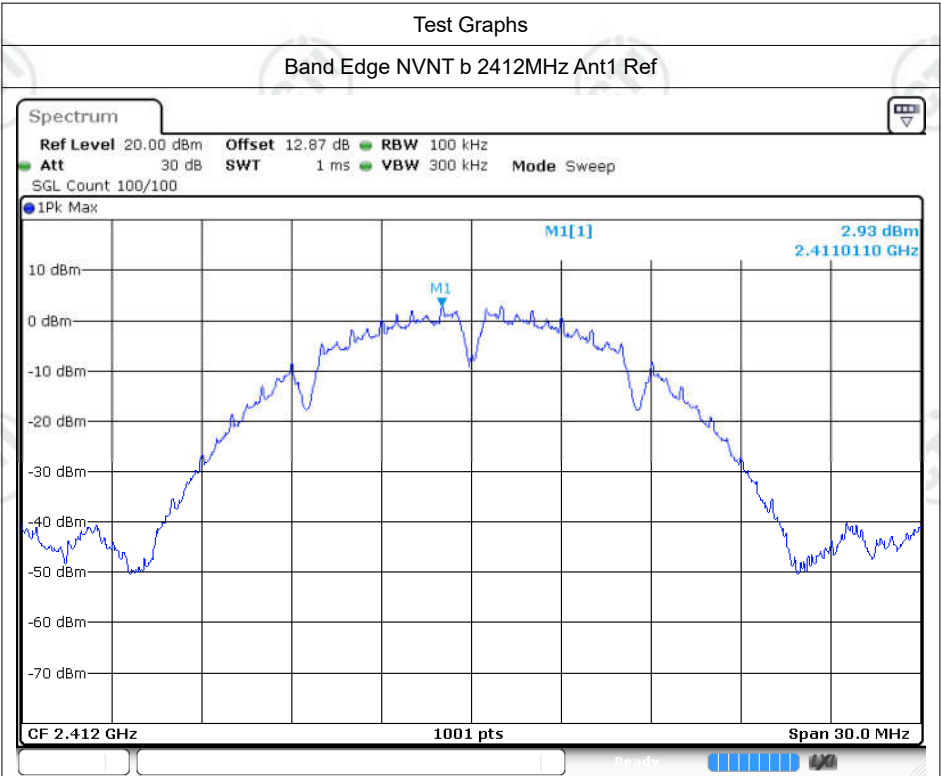
Date: 5.MAY.2024 12:01:49



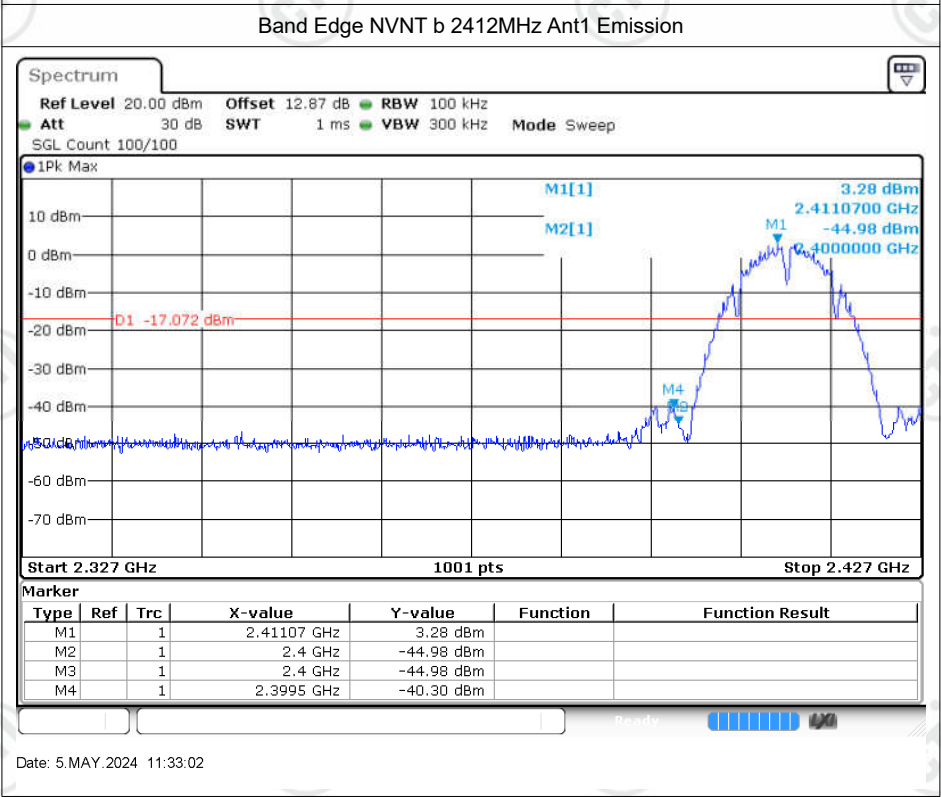
Date: 5.MAY.2024 12:04:44

Band Edge

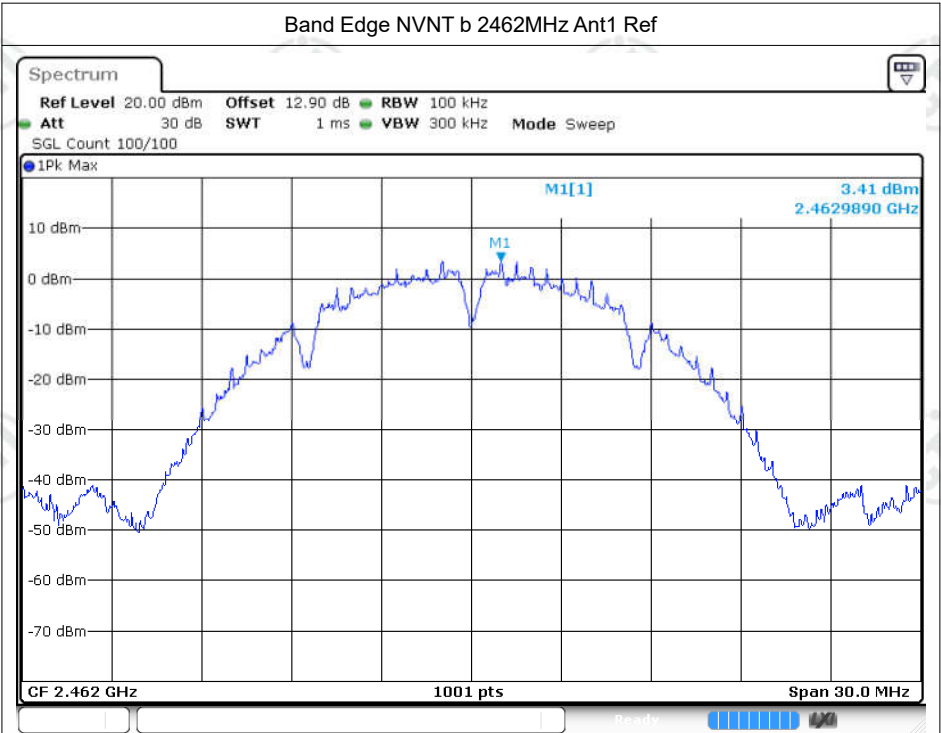
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-43.22	-20	Pass
NVNT	b	2462	Ant1	-49.9	-20	Pass
NVNT	g	2412	Ant1	-31.53	-20	Pass
NVNT	g	2462	Ant1	-45.3	-20	Pass
NVNT	n20	2412	Ant1	-32.72	-20	Pass
NVNT	n20	2462	Ant1	-43.96	-20	Pass
NVNT	n40	2422	Ant1	-34.84	-20	Pass
NVNT	n40	2452	Ant1	-38.94	-20	Pass



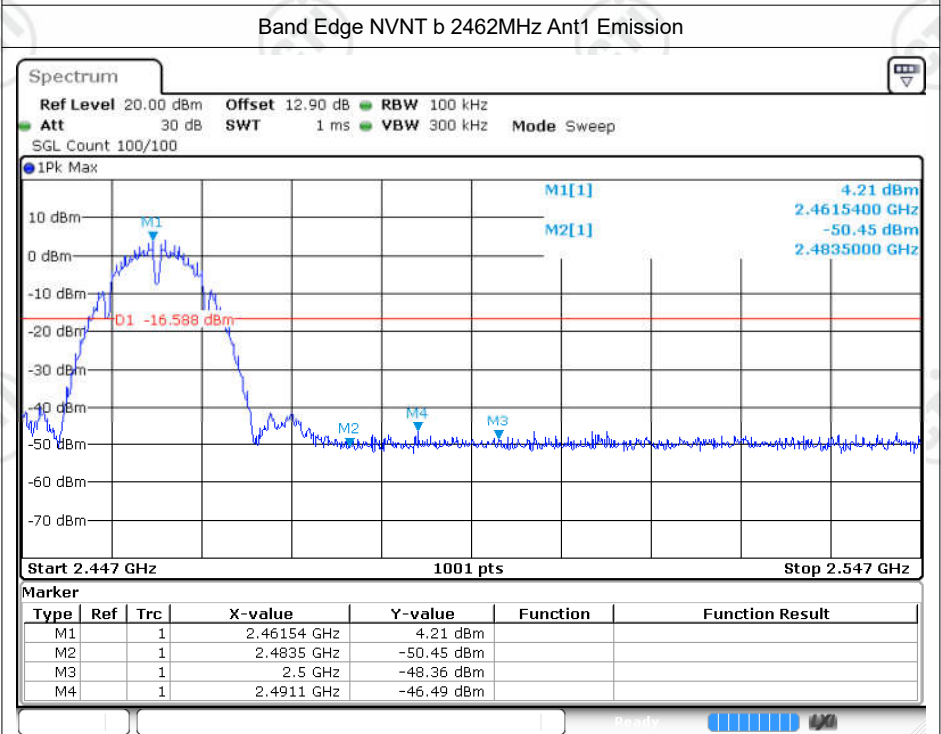
Date: 5.MAY.2024 11:33:01



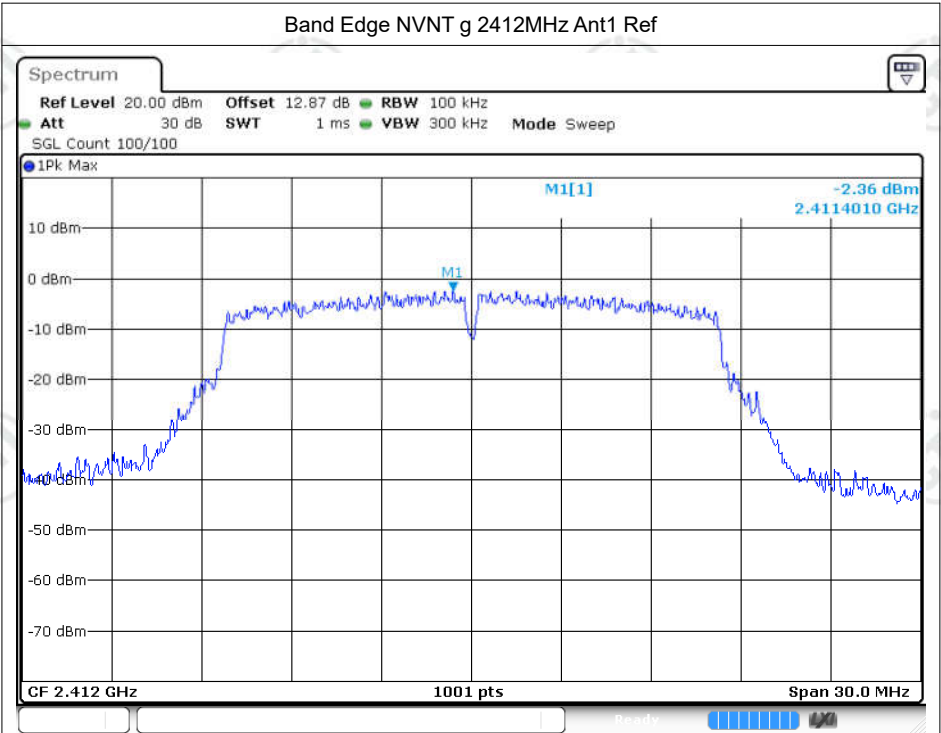
Date: 5.MAY.2024 11:33:02



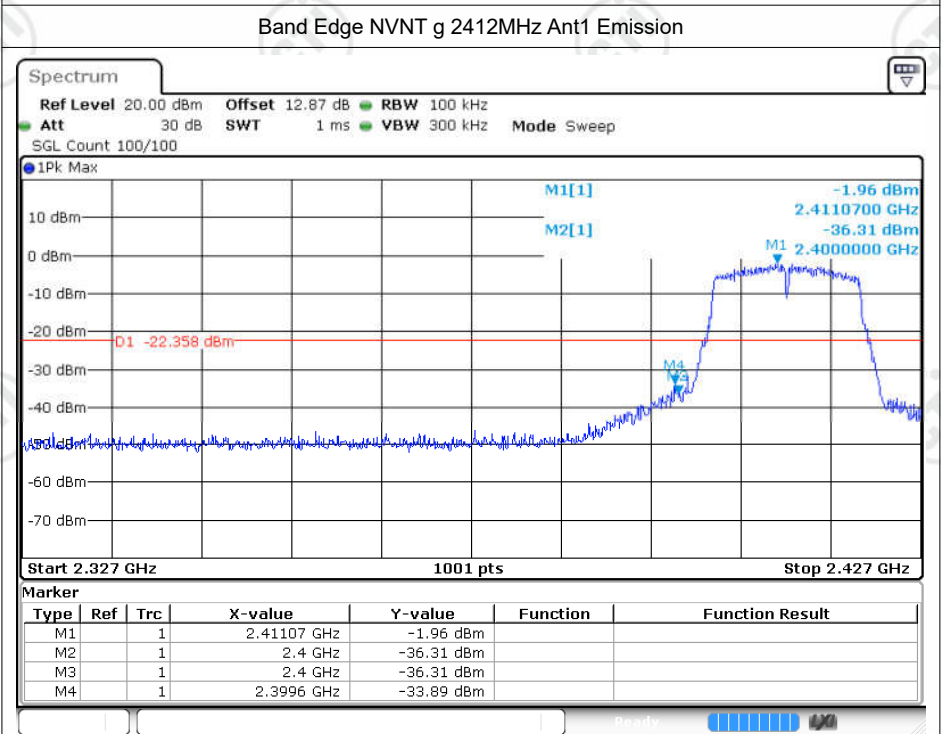
Date: 5.MAY.2024 11:36:57



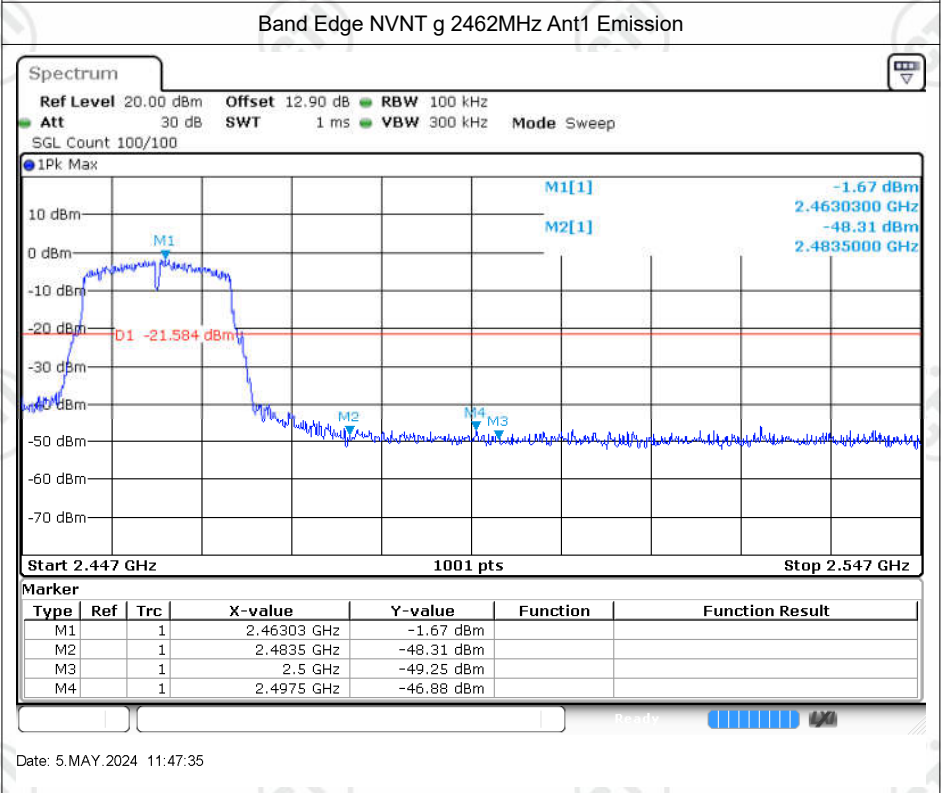
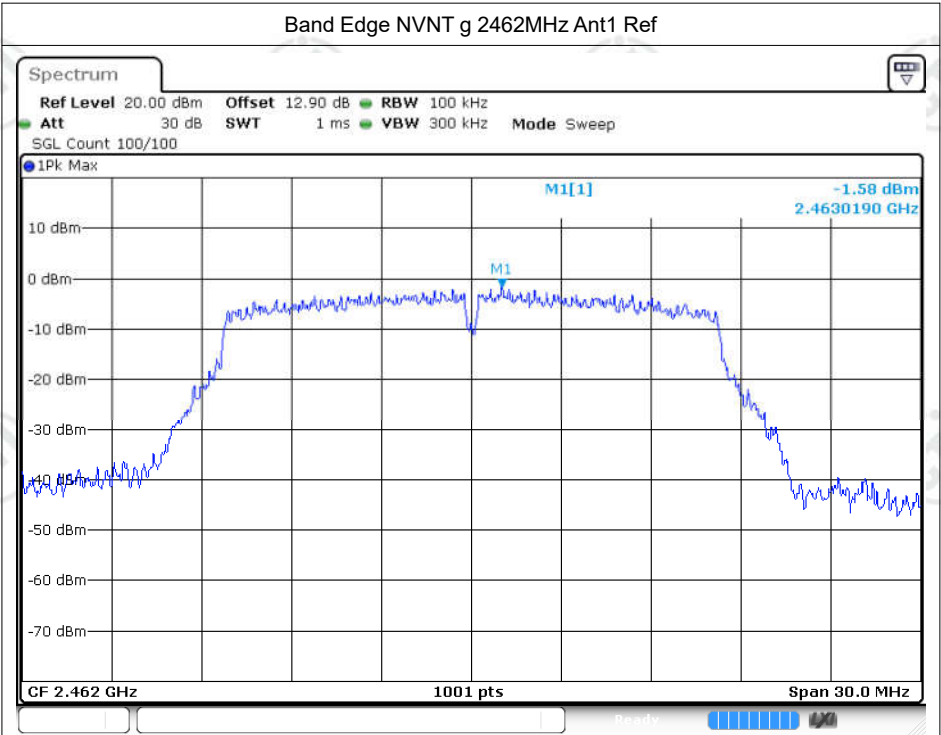
Date: 5.MAY.2024 11:36:58

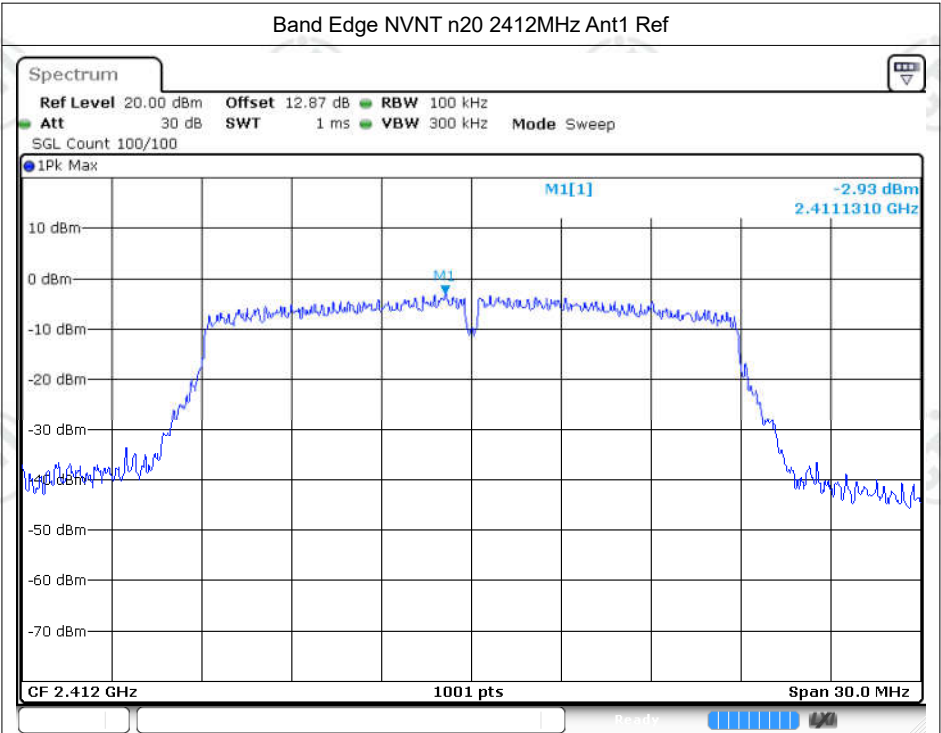


Date: 5.MAY.2024 11:42:54

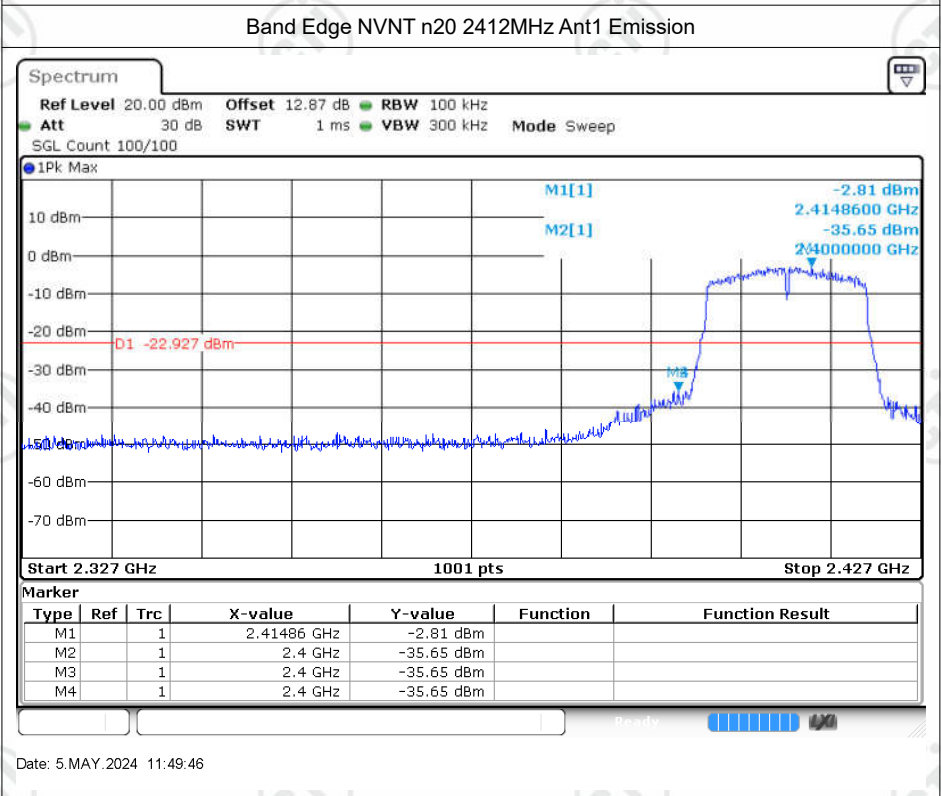


Date: 5.MAY.2024 11:42:56

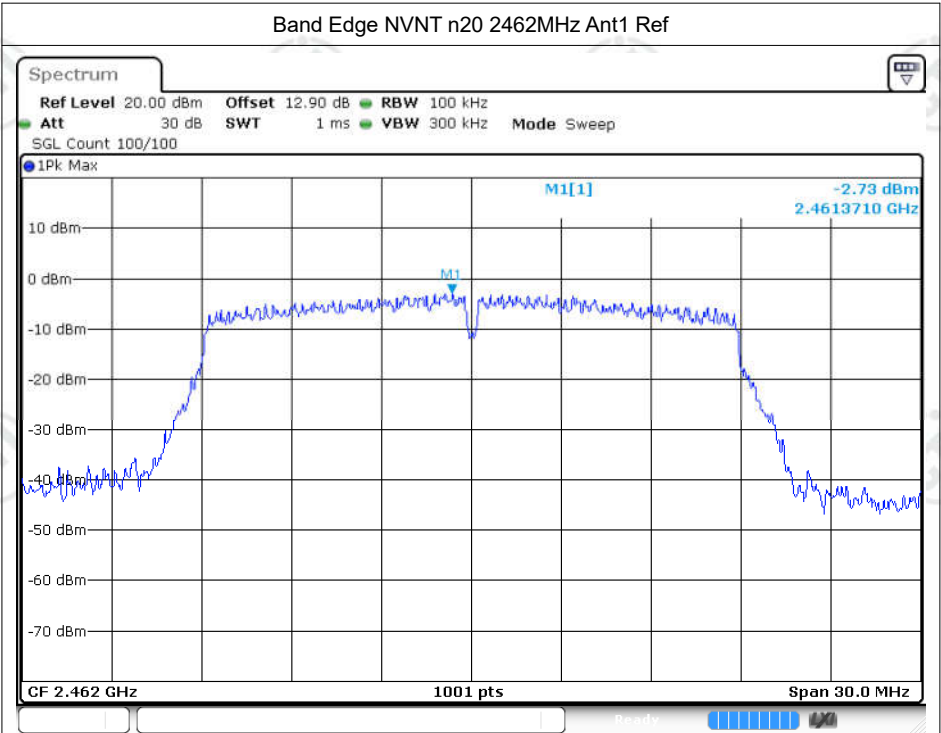




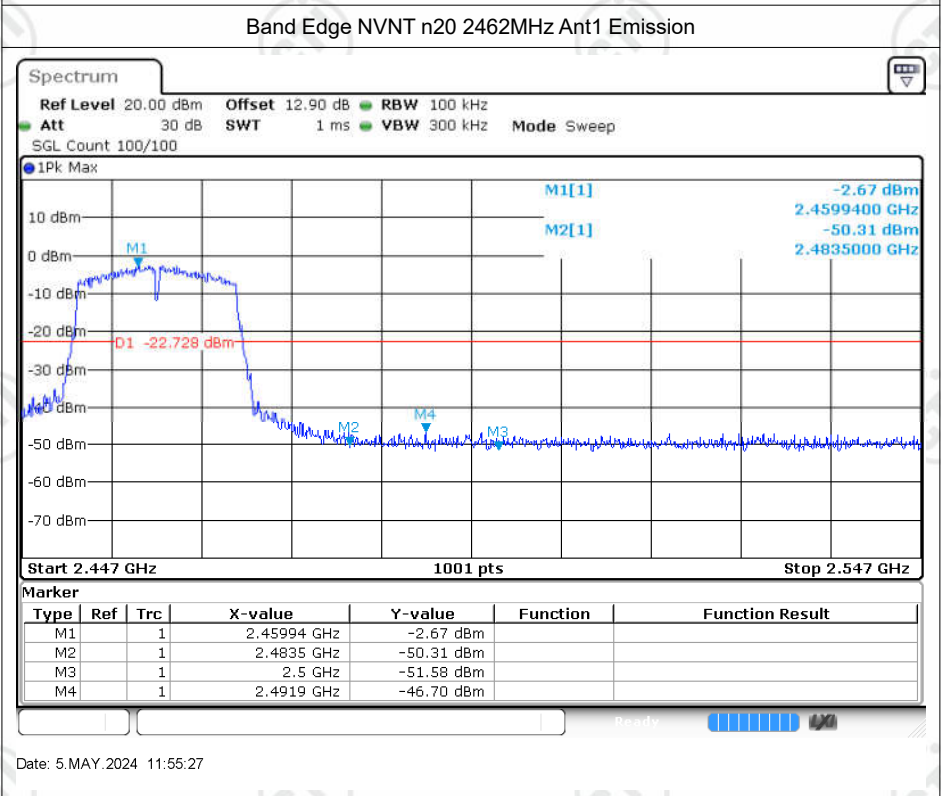
Date: 5.MAY.2024 11:49:44



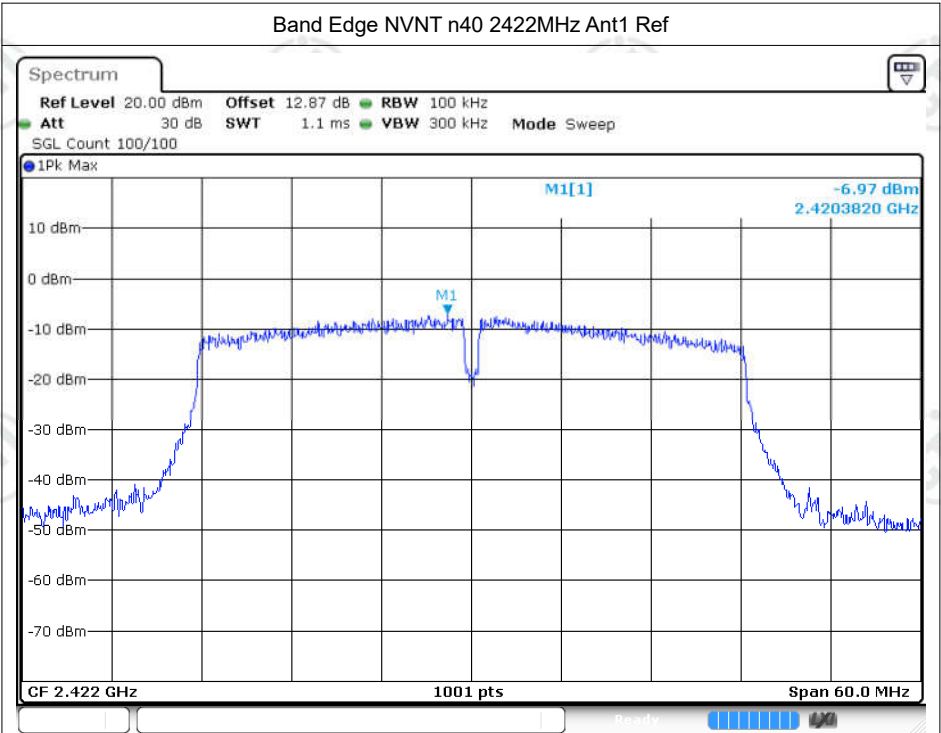
Date: 5.MAY.2024 11:49:46



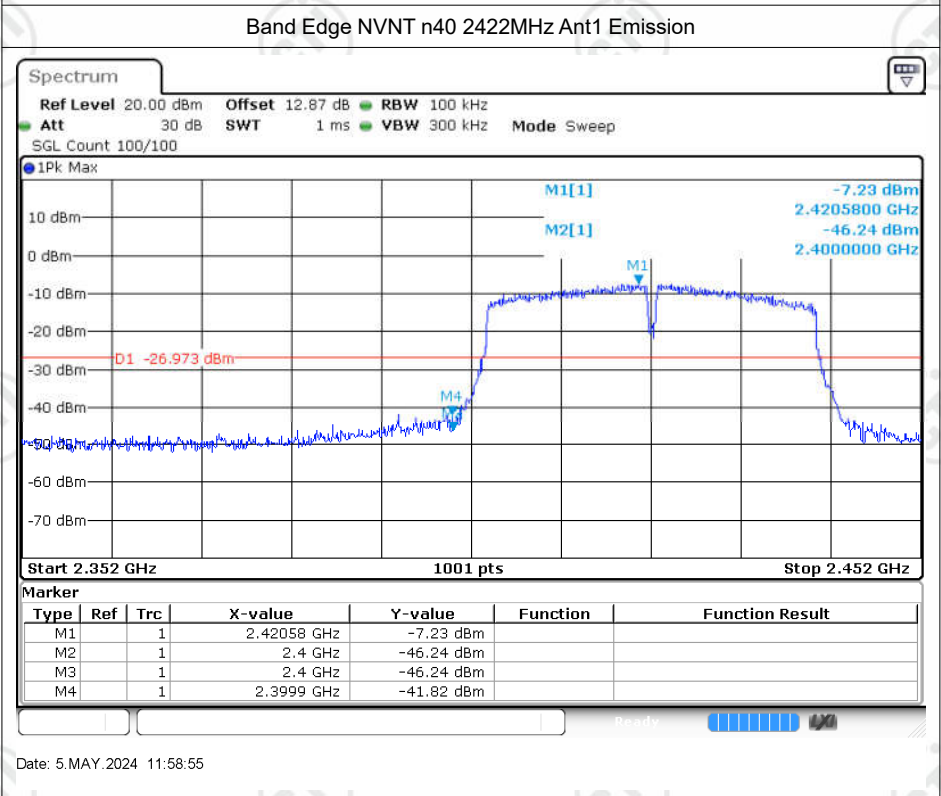
Date: 5.MAY.2024 11:55:25



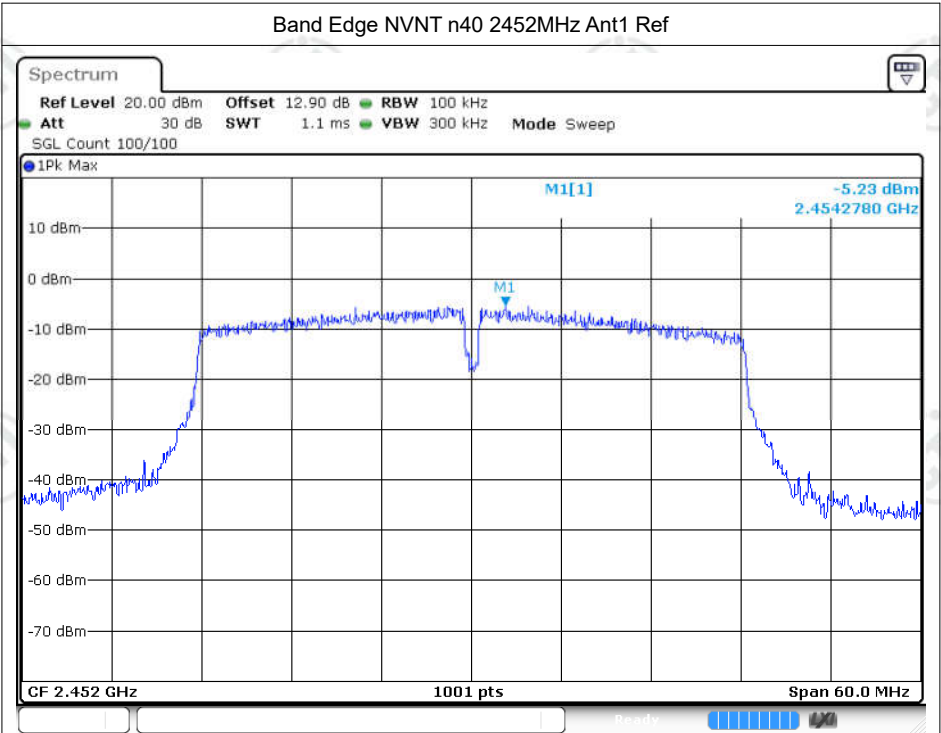
Date: 5.MAY.2024 11:55:27



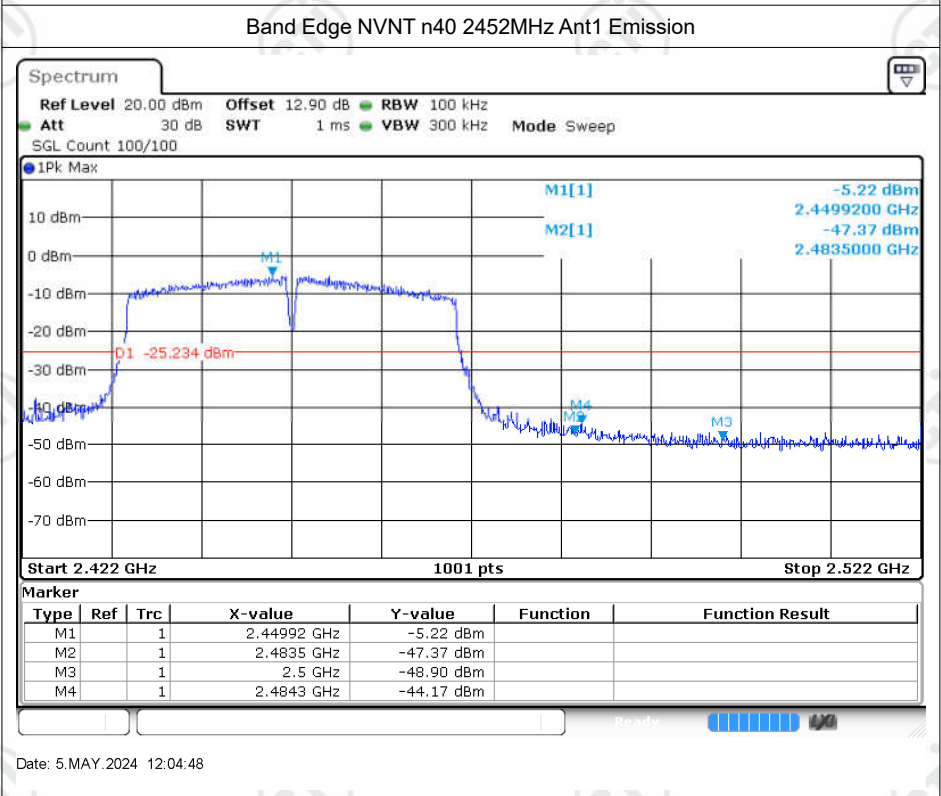
Date: 5.MAY.2024 11:58:54



Date: 5.MAY.2024 11:58:55



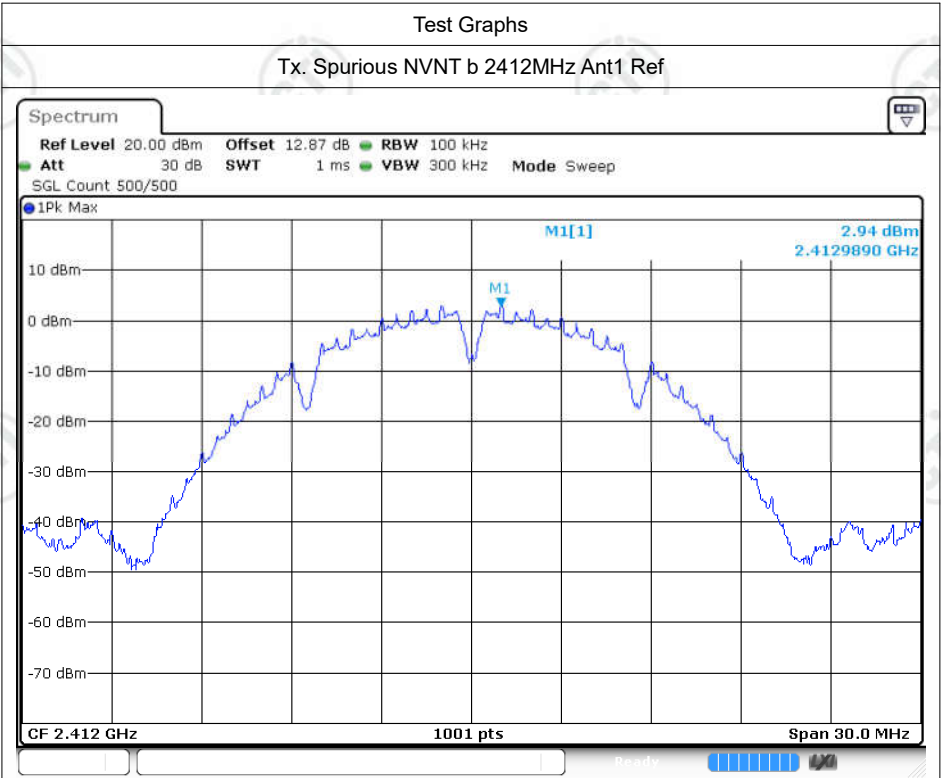
Date: 5.MAY.2024 12:04:47



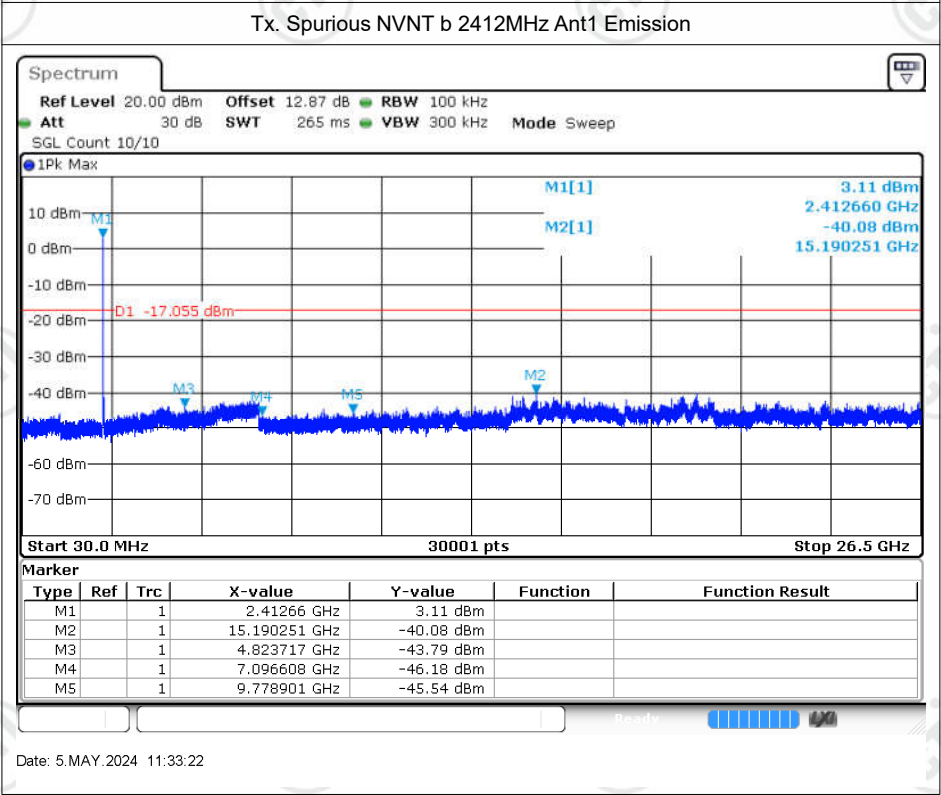
Date: 5.MAY.2024 12:04:48

Conducted RF Spurious Emission

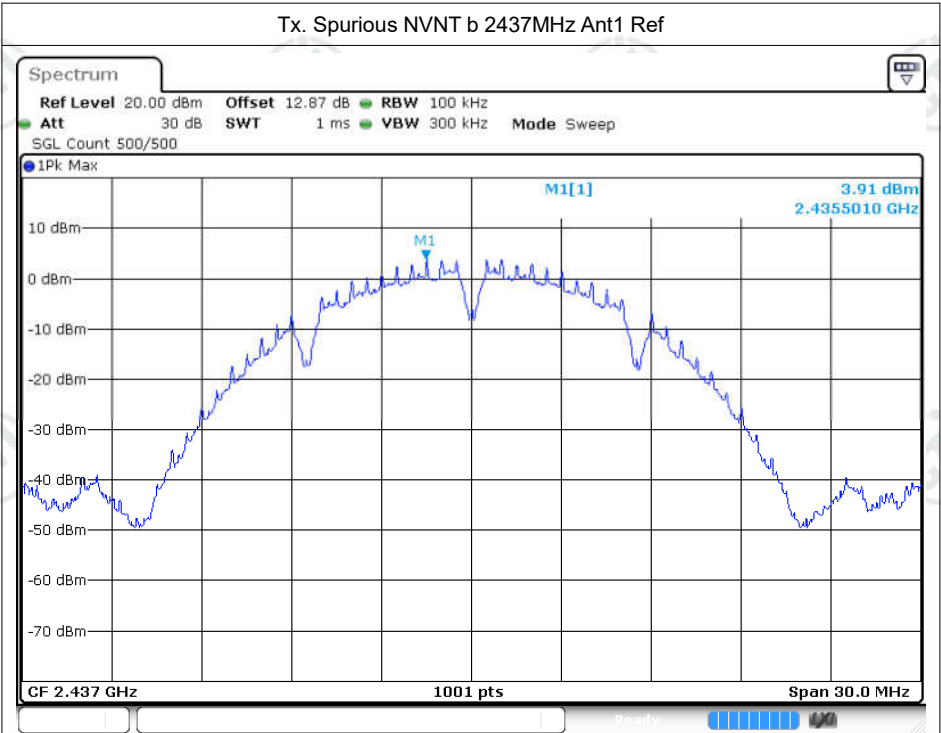
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-43.02	-20	Pass
NVNT	b	2437	Ant1	-44.81	-20	Pass
NVNT	b	2462	Ant1	-44.98	-20	Pass
NVNT	g	2412	Ant1	-37.91	-20	Pass
NVNT	g	2437	Ant1	-39.61	-20	Pass
NVNT	g	2462	Ant1	-38.78	-20	Pass
NVNT	n20	2412	Ant1	-37.56	-20	Pass
NVNT	n20	2437	Ant1	-38.1	-20	Pass
NVNT	n20	2462	Ant1	-36.26	-20	Pass
NVNT	n40	2422	Ant1	-34.5	-20	Pass
NVNT	n40	2437	Ant1	-35.07	-20	Pass
NVNT	n40	2452	Ant1	-35.87	-20	Pass



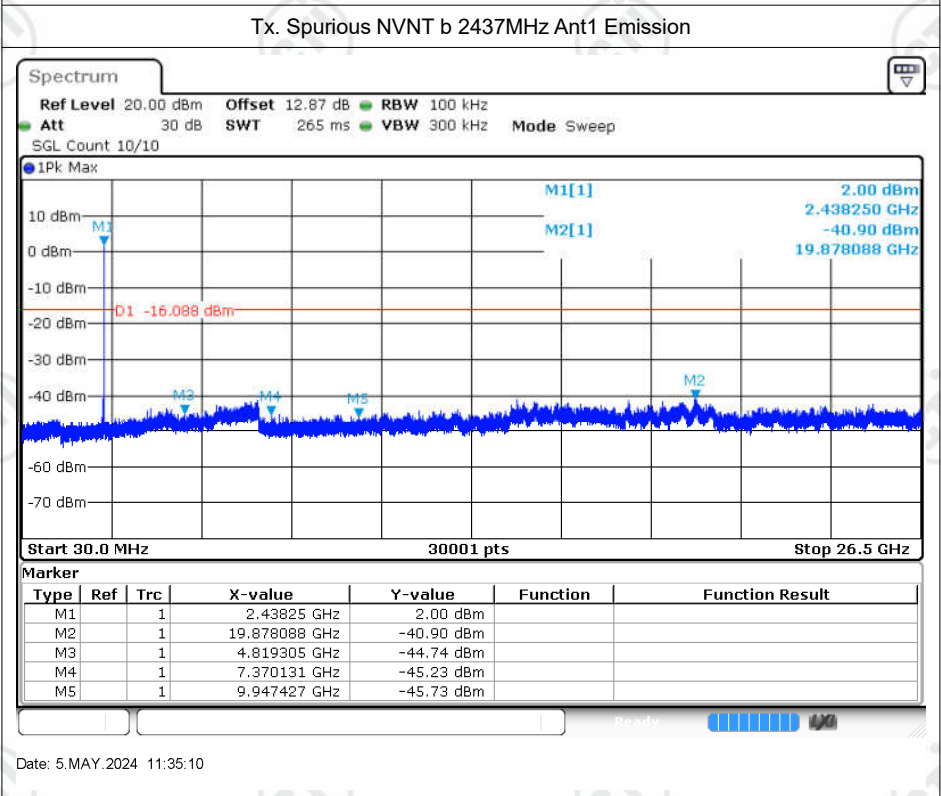
Date: 5.MAY.2024 11:33:10



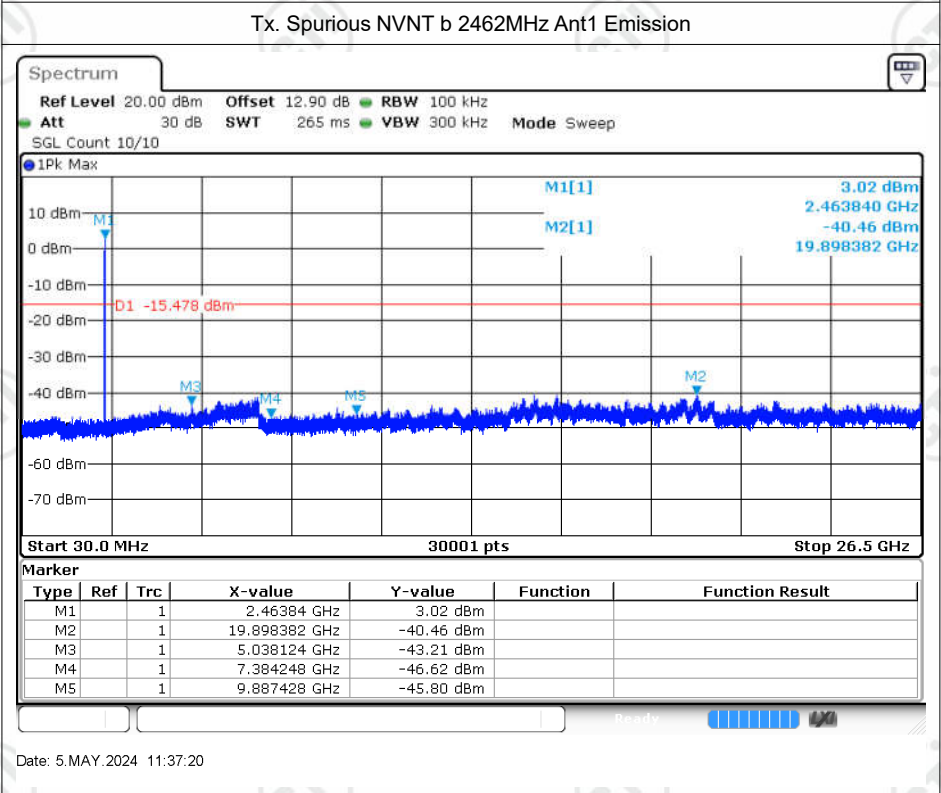
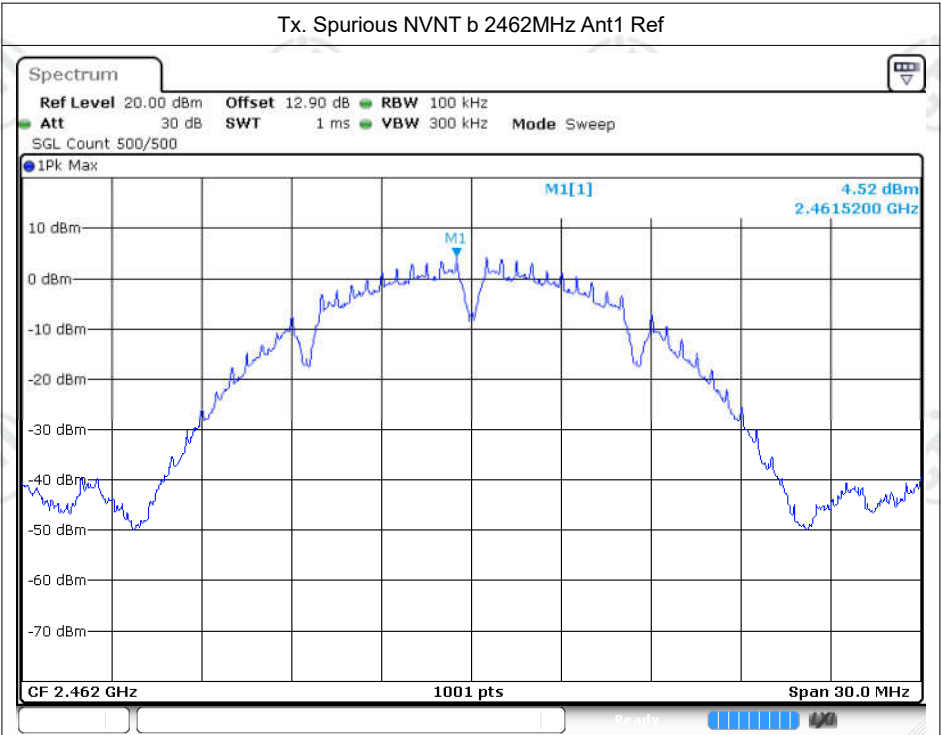
Date: 5.MAY.2024 11:33:22

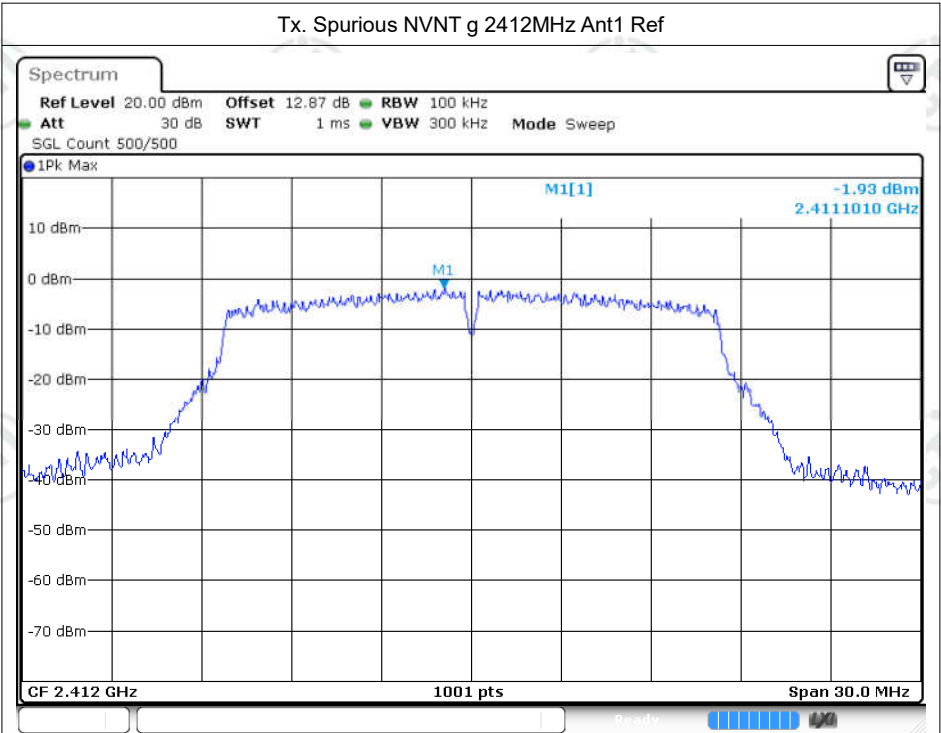


Date: 5.MAY.2024 11:34:59

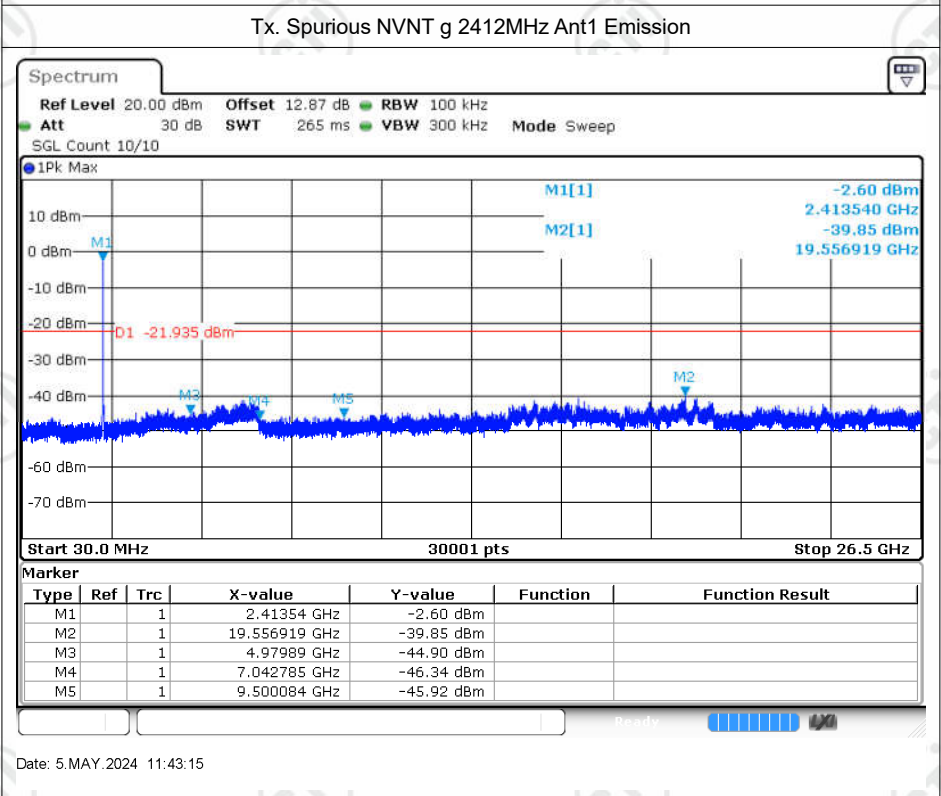


Date: 5.MAY.2024 11:35:10

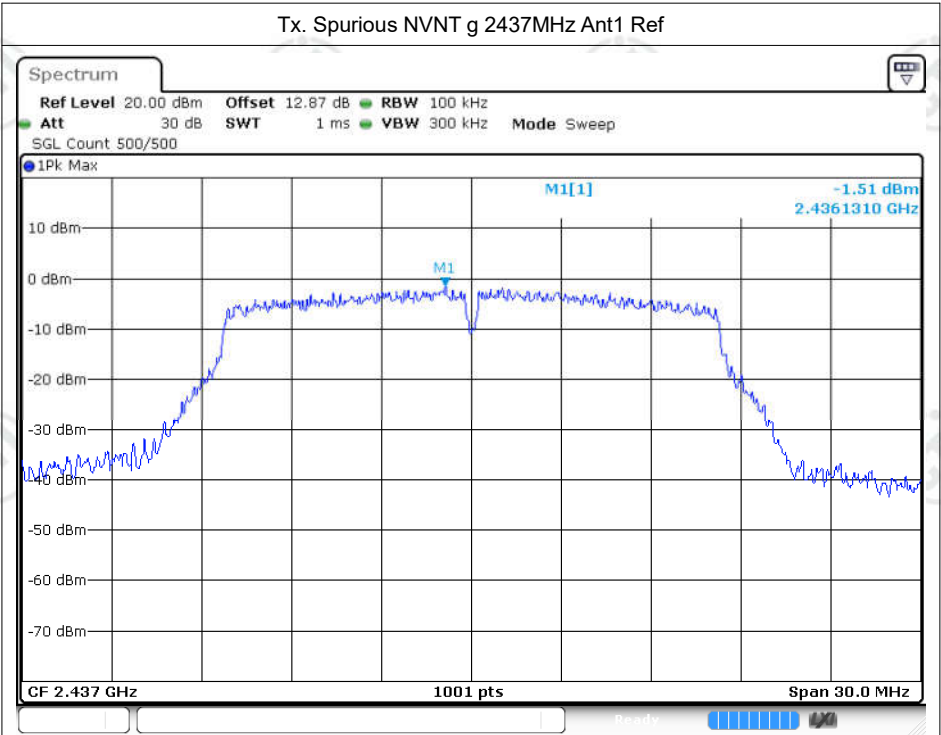




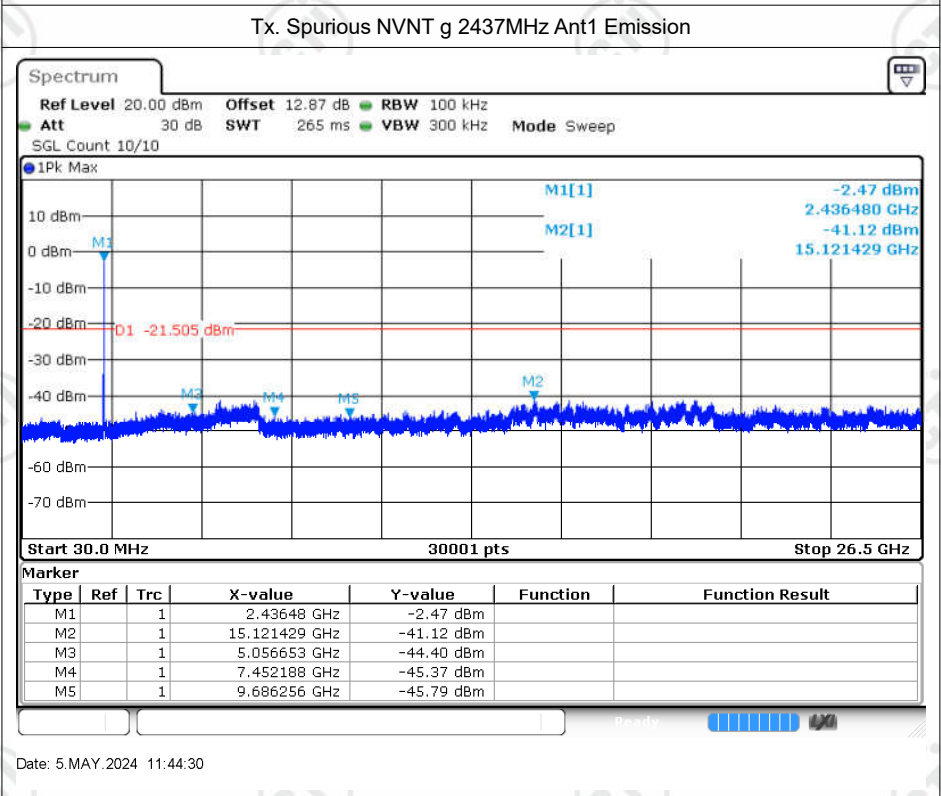
Date: 5.MAY.2024 11:43:04



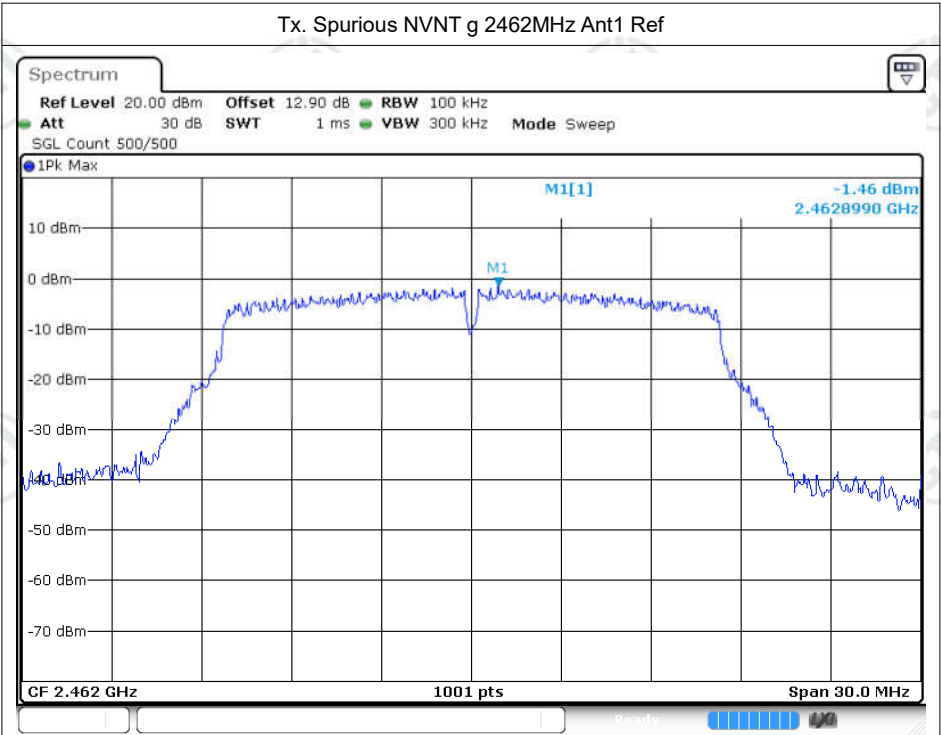
Date: 5.MAY.2024 11:43:15



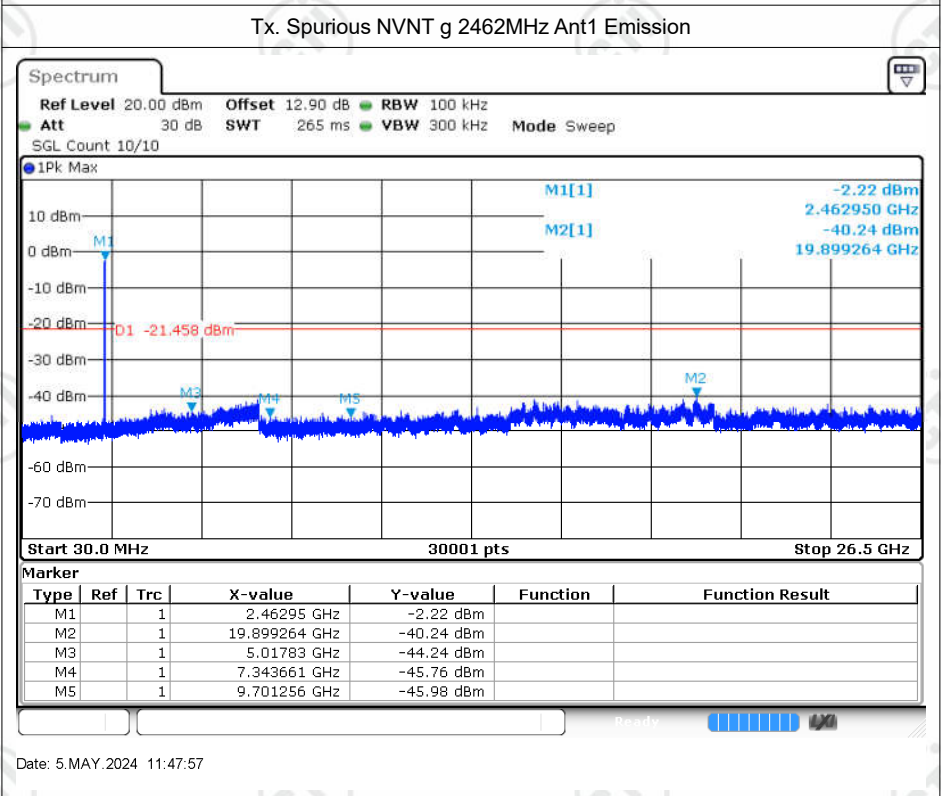
Date: 5.MAY.2024 11:44:18



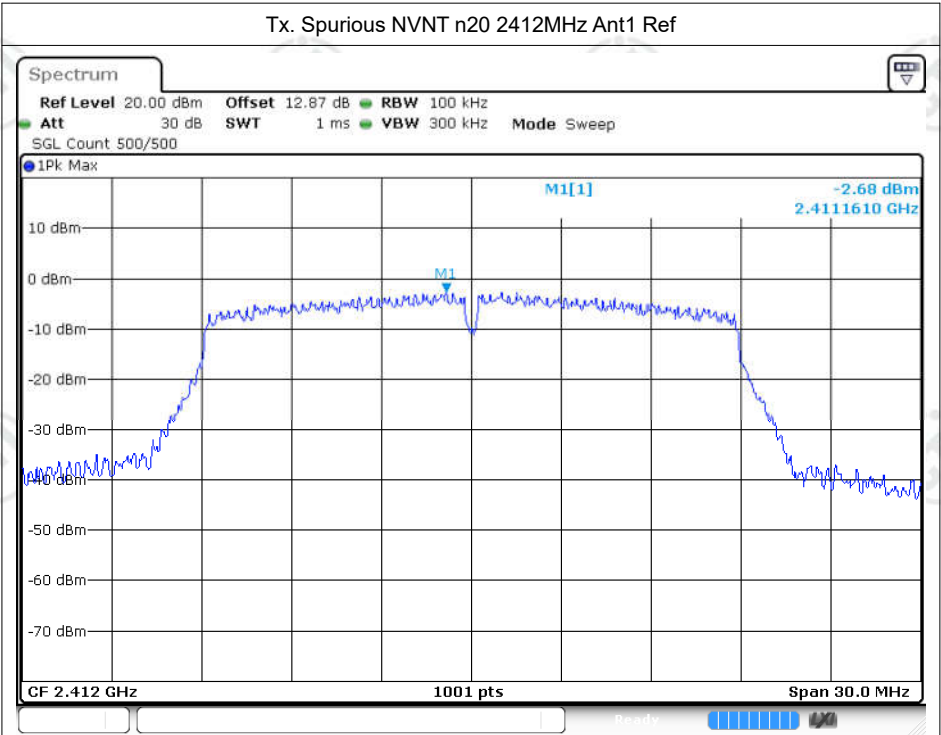
Date: 5.MAY.2024 11:44:30



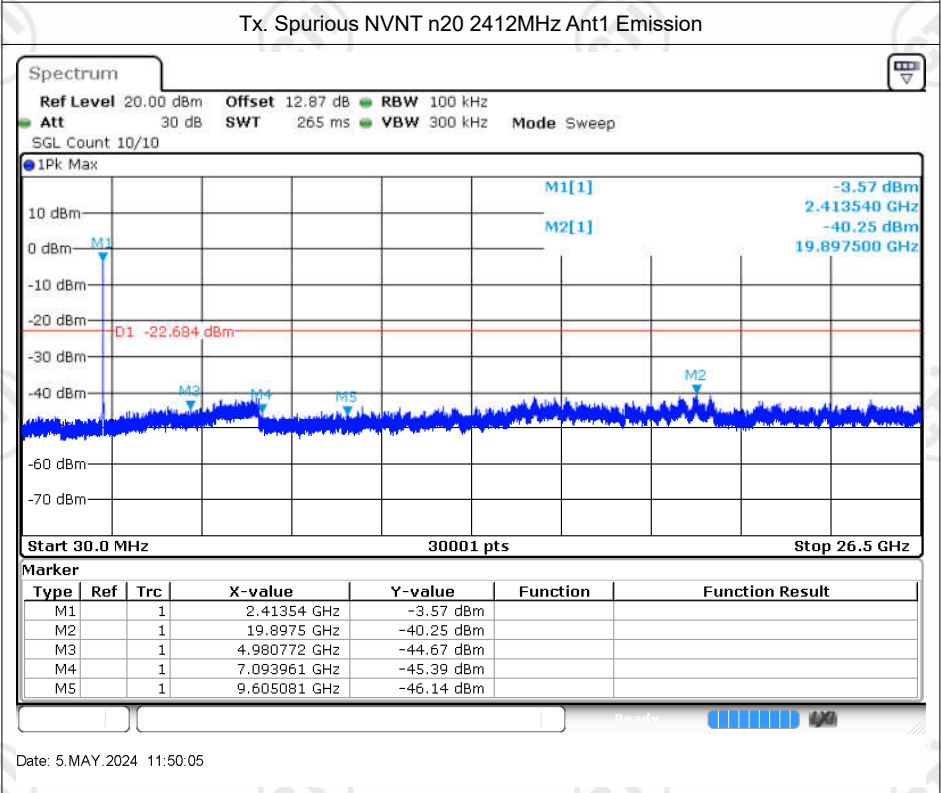
Date: 5.MAY.2024 11:47:46



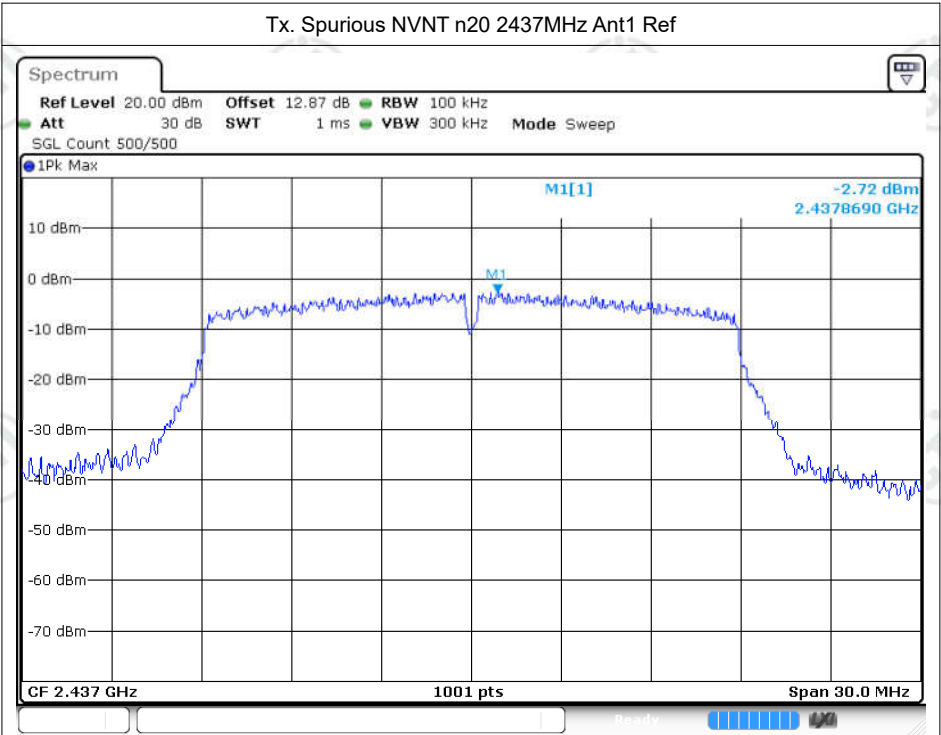
Date: 5.MAY.2024 11:47:57



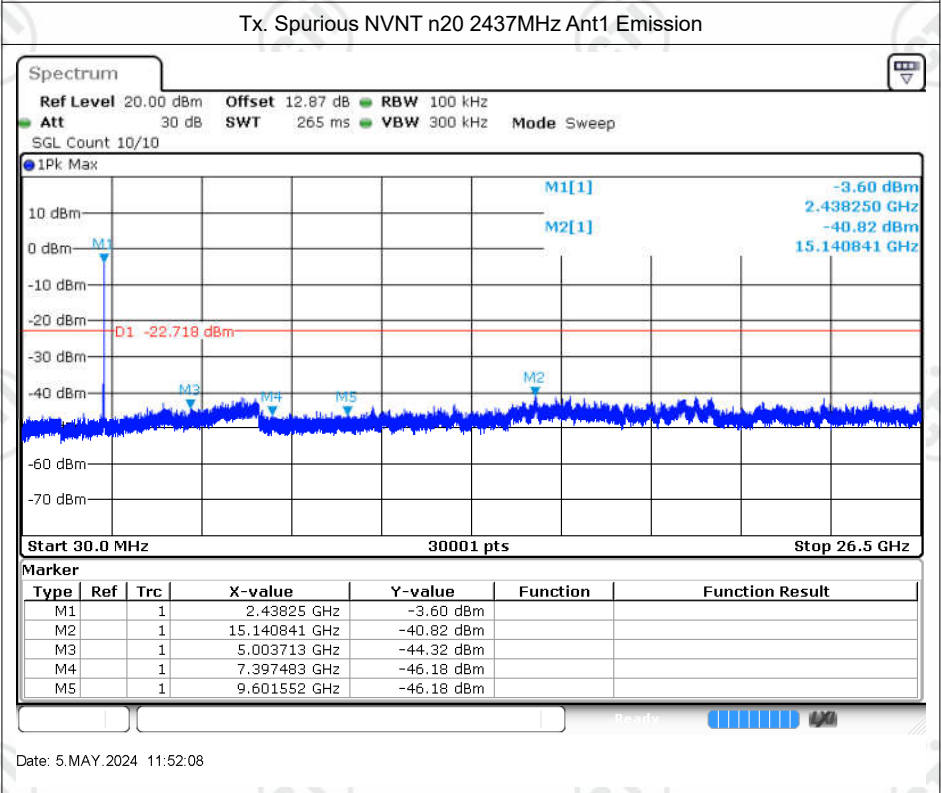
Date: 5.MAY.2024 11:49:54



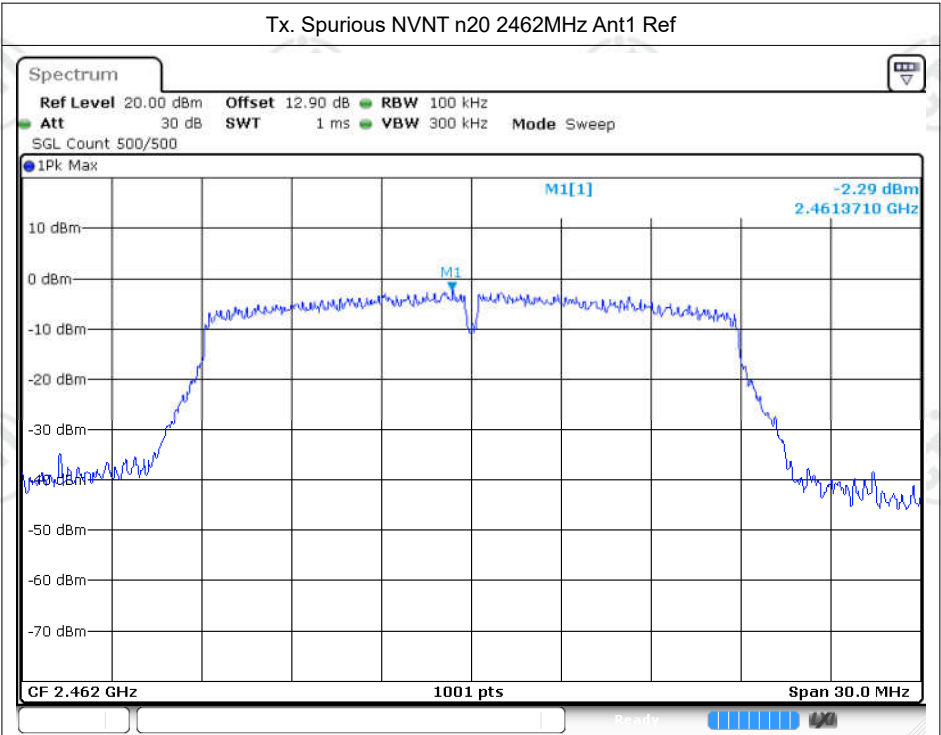
Date: 5.MAY.2024 11:50:05



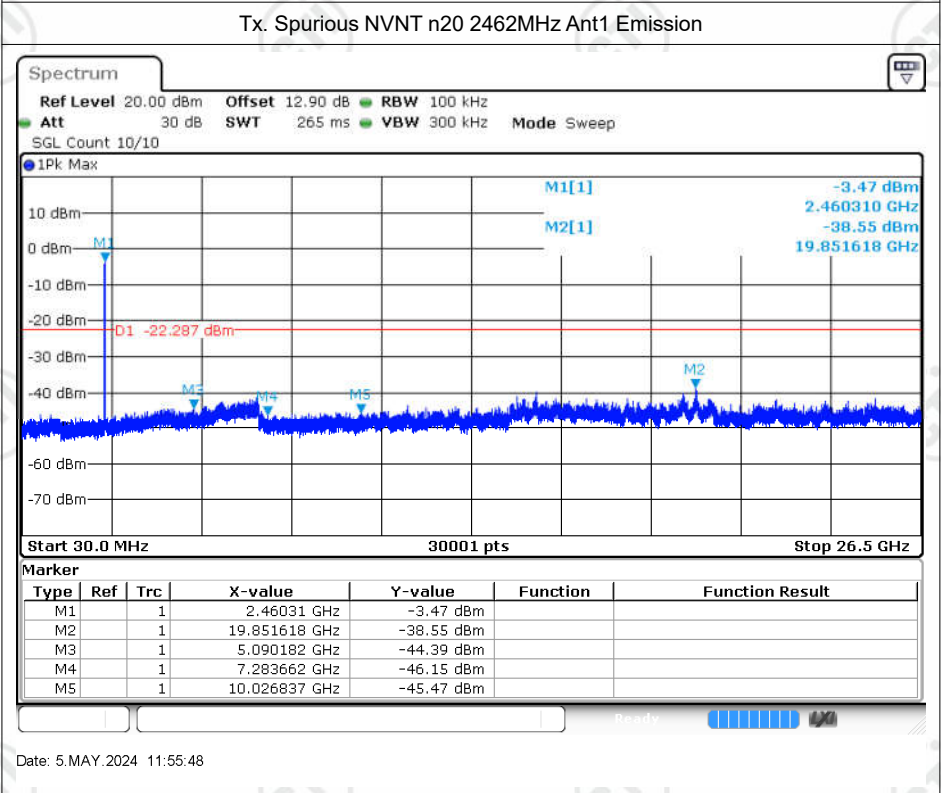
Date: 5.MAY.2024 11:51:57

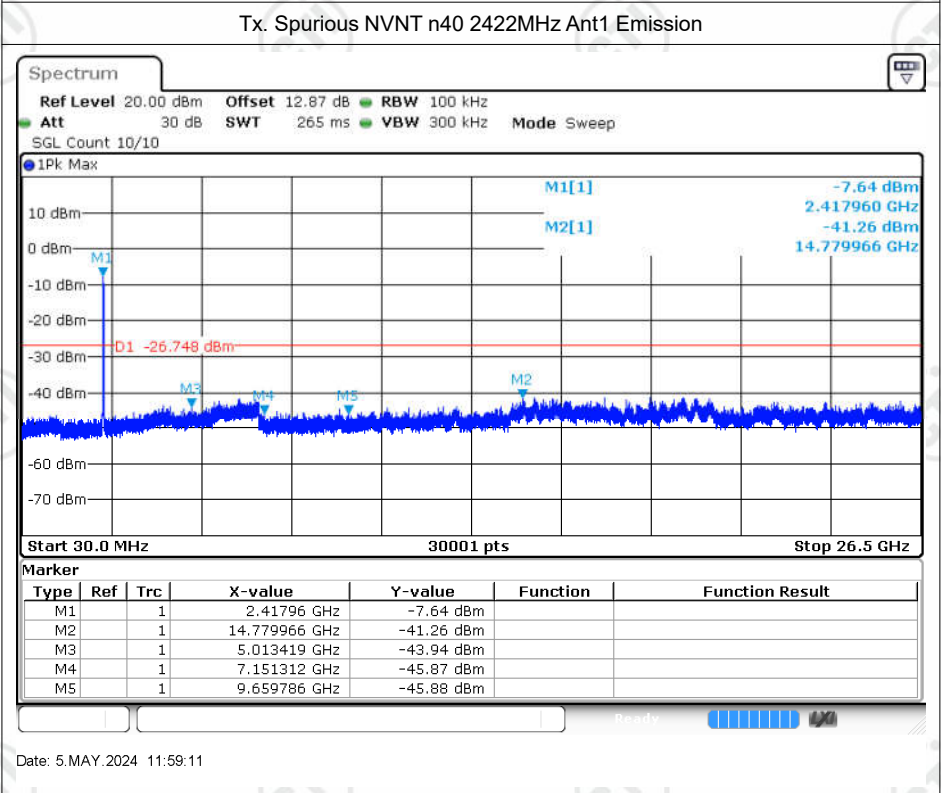
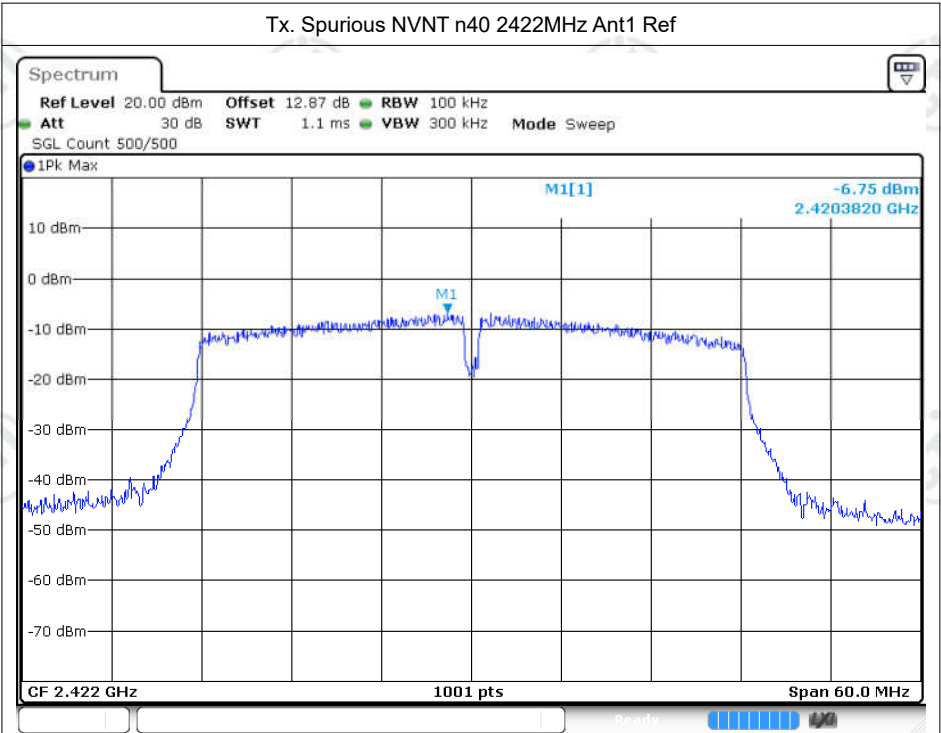


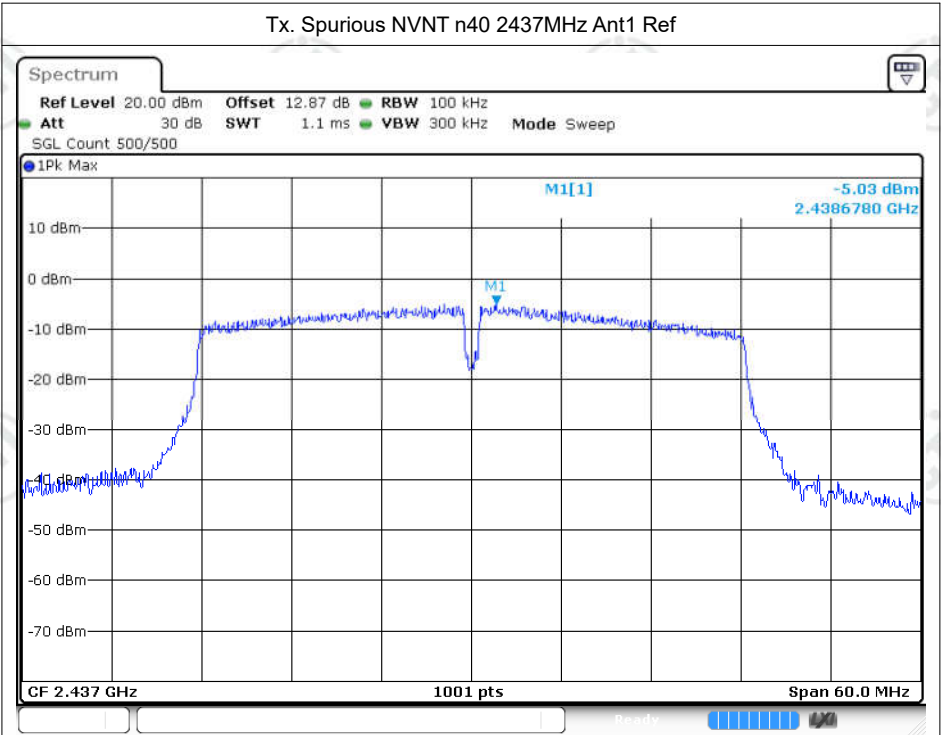
Date: 5.MAY.2024 11:52:08



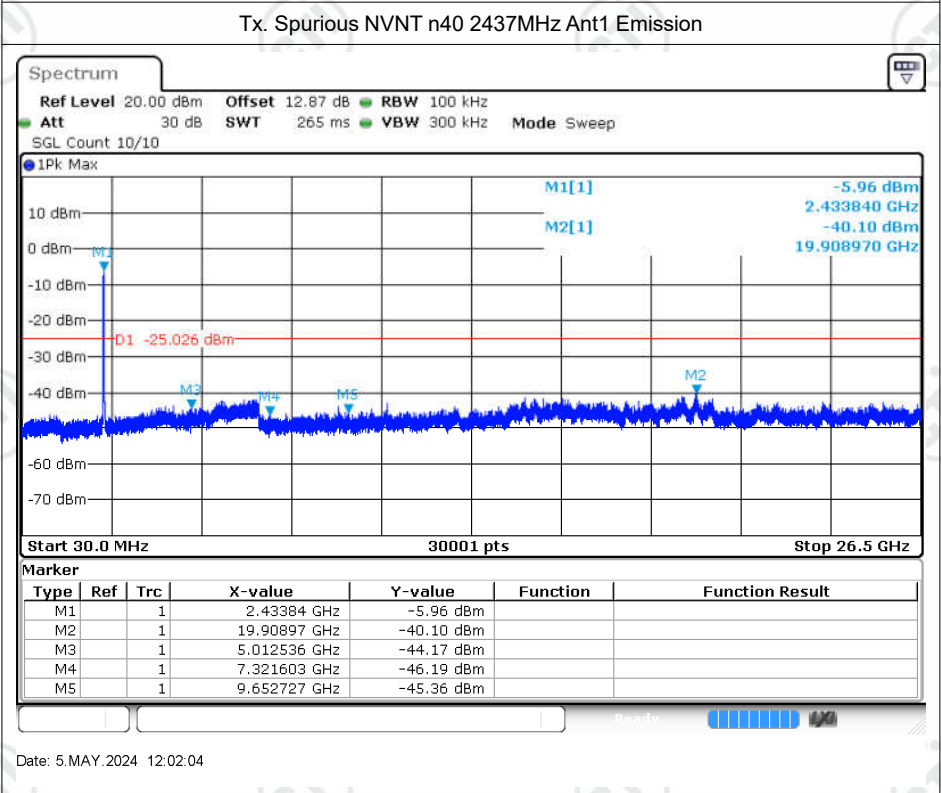
Date: 5.MAY.2024 11:55:37



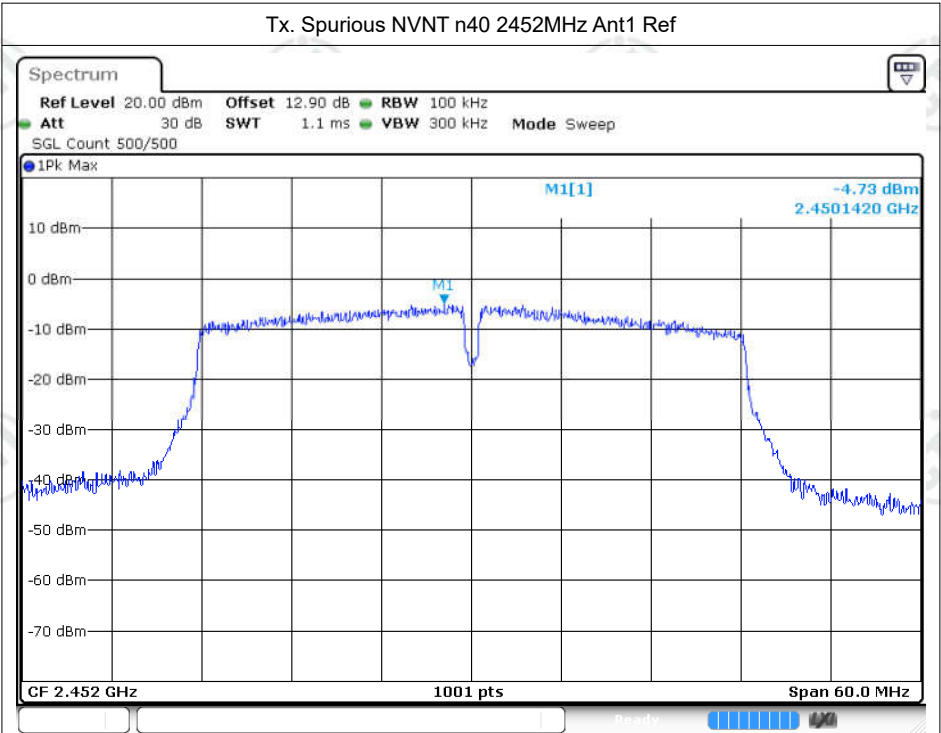




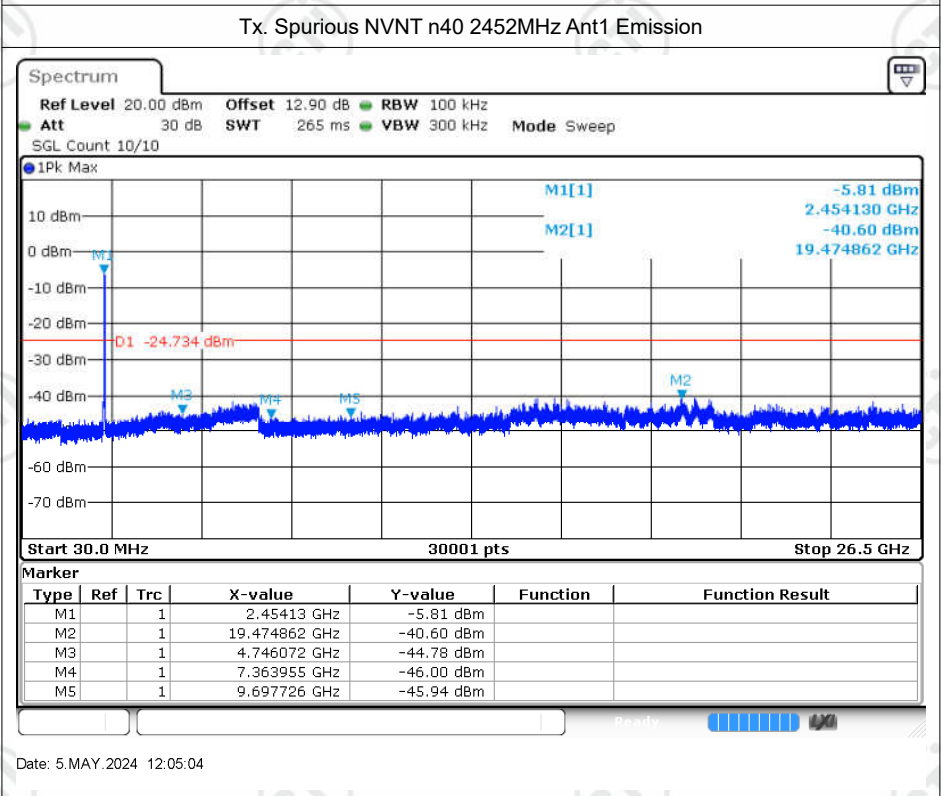
Date: 5.MAY.2024 12:01:52



Date: 5.MAY.2024 12:02:04



Date: 5.MAY.2024 12:04:52



Date: 5.MAY.2024 12:05:04

*** End of Report ***