

Appendix: 2.4G Wi-Fi

Contents

Duty Cycle 3

Maximum Peak Conducted Output Power 10

-6dB Bandwidth 11

Occupied Channel Bandwidth 18

Maximum Power Spectral Density Level 25

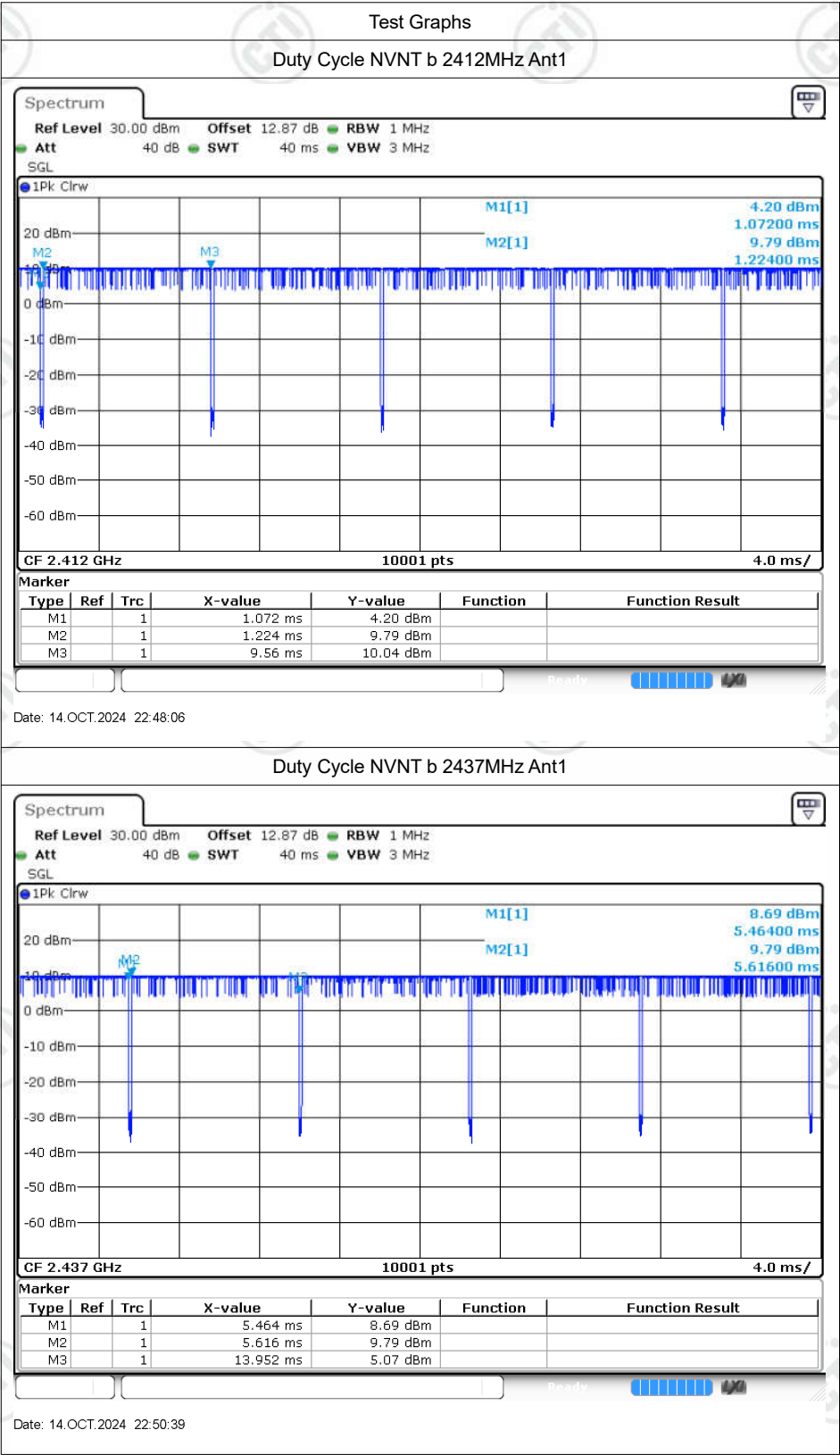
Band Edge 32

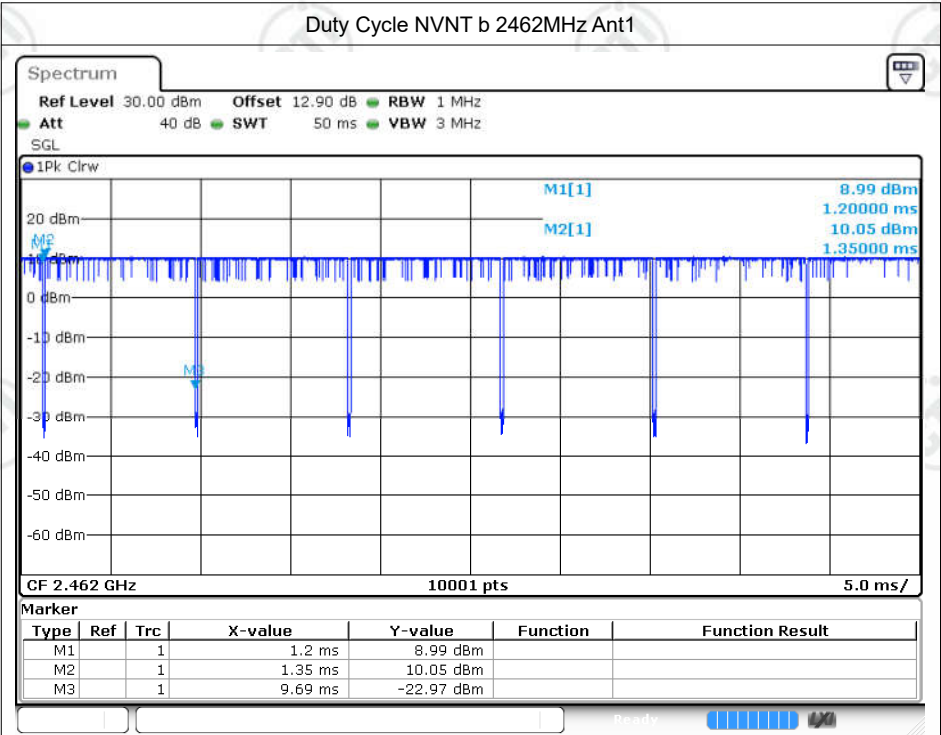
Conducted RF Spurious Emission 41

Duty Cycle

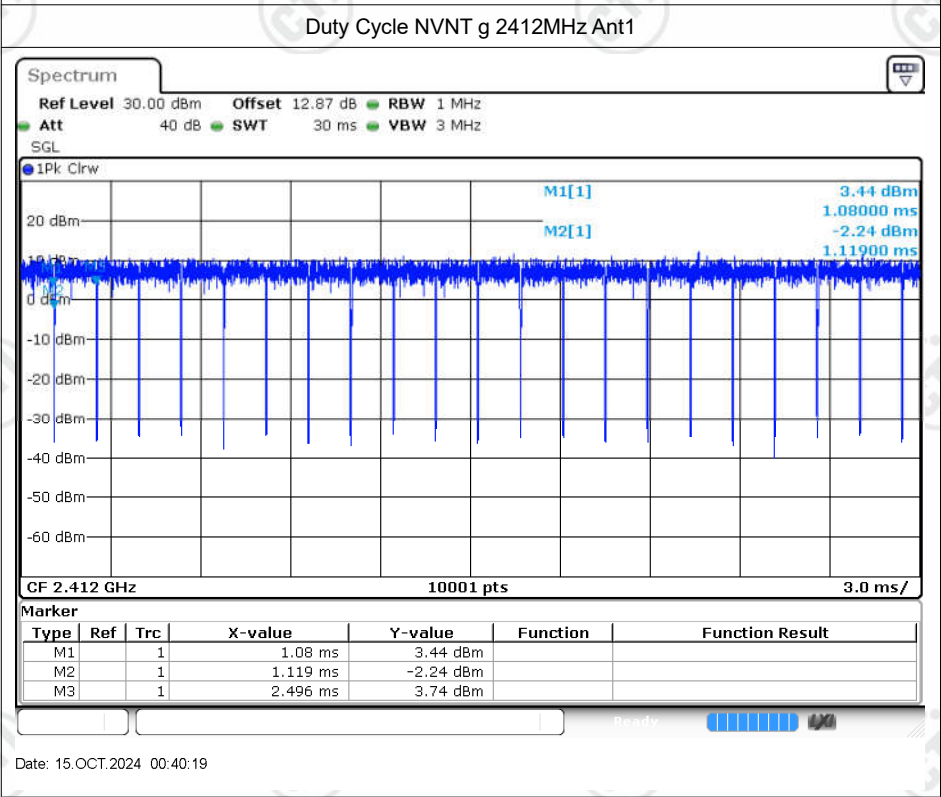
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	98.21	0	0.12
NVNT	b	2437	Ant1	98.21	0	0.12
NVNT	b	2462	Ant1	98.23	0	0.12
NVNT	g	2412	Ant1	97.25	0.12	0.73
NVNT	g	2437	Ant1	97.25	0.12	0.73
NVNT	g	2462	Ant1	97.25	0.12	0.73
NVNT	n20	2412	Ant1	97.07	0.13	0.78
NVNT	n20	2437	Ant1	97.06	0.13	0.78
NVNT	n20	2462	Ant1	97.06	0.13	0.78
NVNT	n40	2422	Ant1	94.27	0.26	1.56
NVNT	n40	2437	Ant1	94.27	0.26	1.56
NVNT	n40	2452	Ant1	94.27	0.26	1.56

Note:Duty Cycle Correction Factor (dB)=-10*Ig(Duty Cycle);

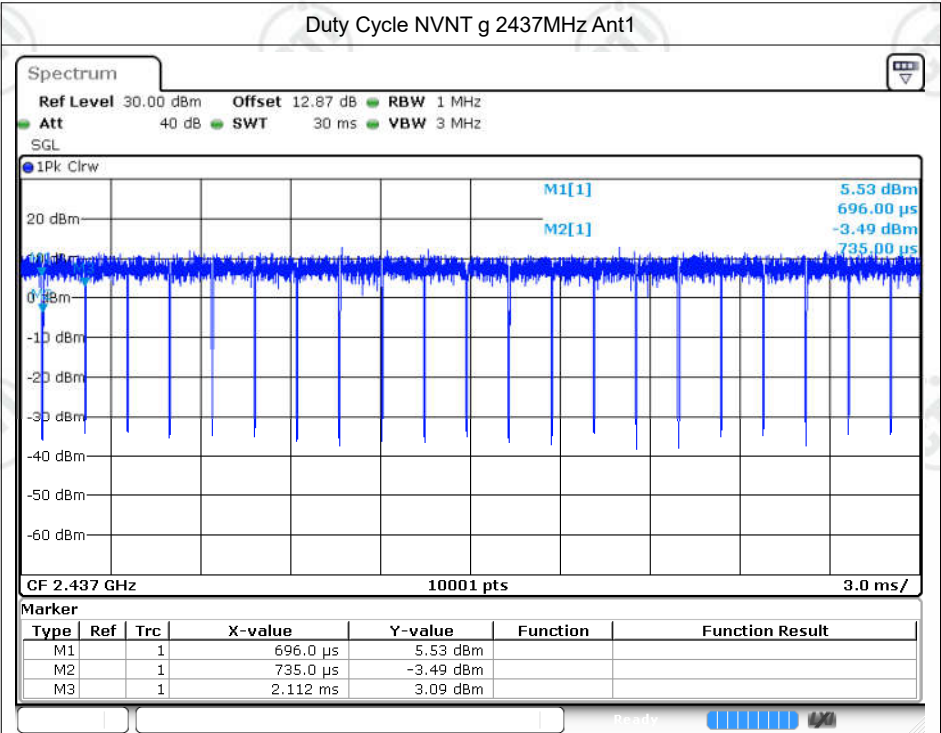




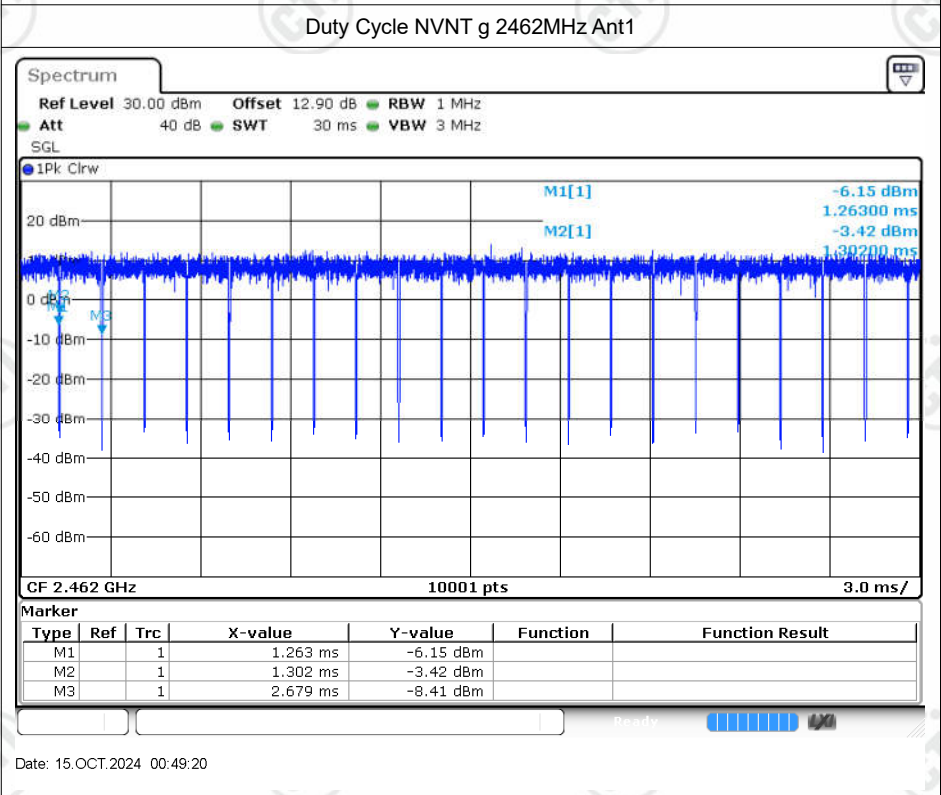
Date: 14.OCT.2024 22:53:00



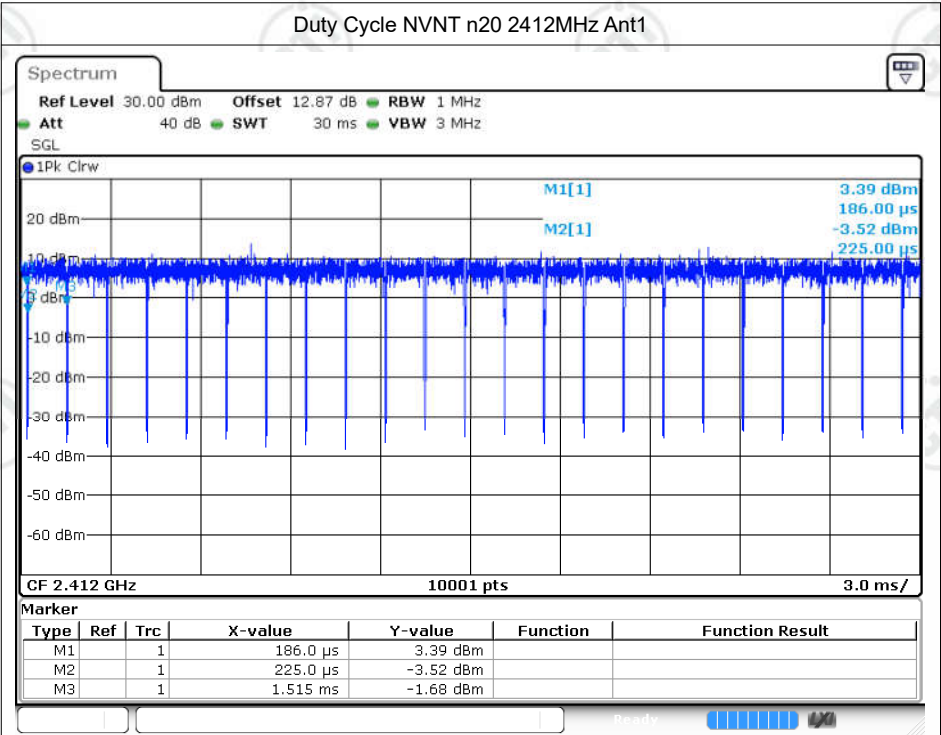
Date: 15.OCT.2024 00:40:19



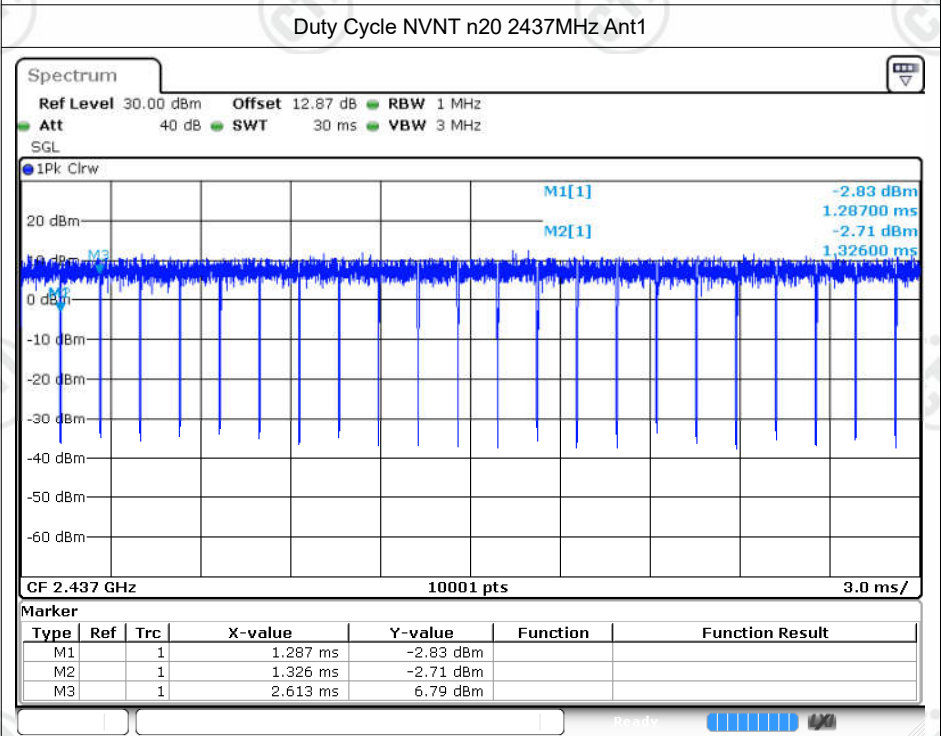
Date: 15.OCT.2024 00:42:39



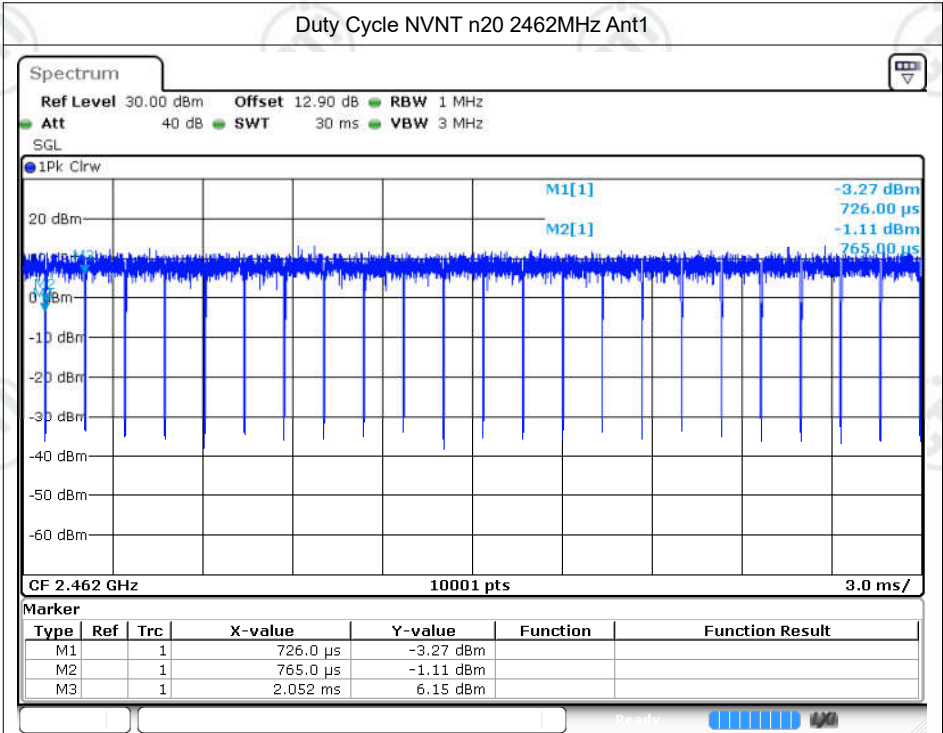
Date: 15.OCT.2024 00:49:20



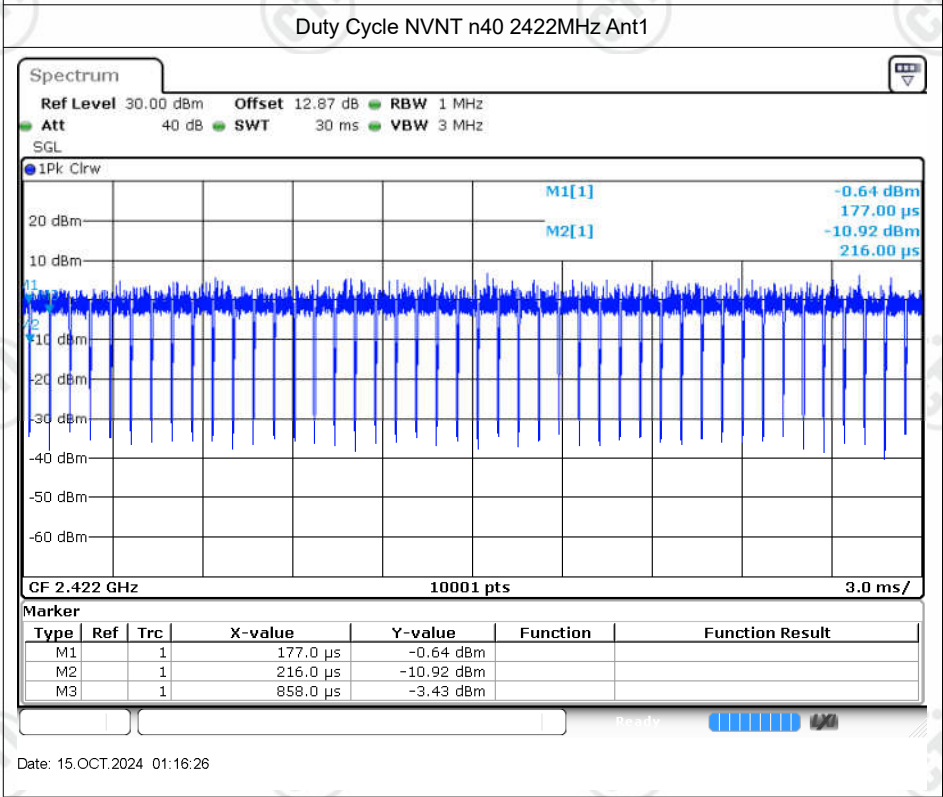
Date: 15.OCT.2024 01:06:33



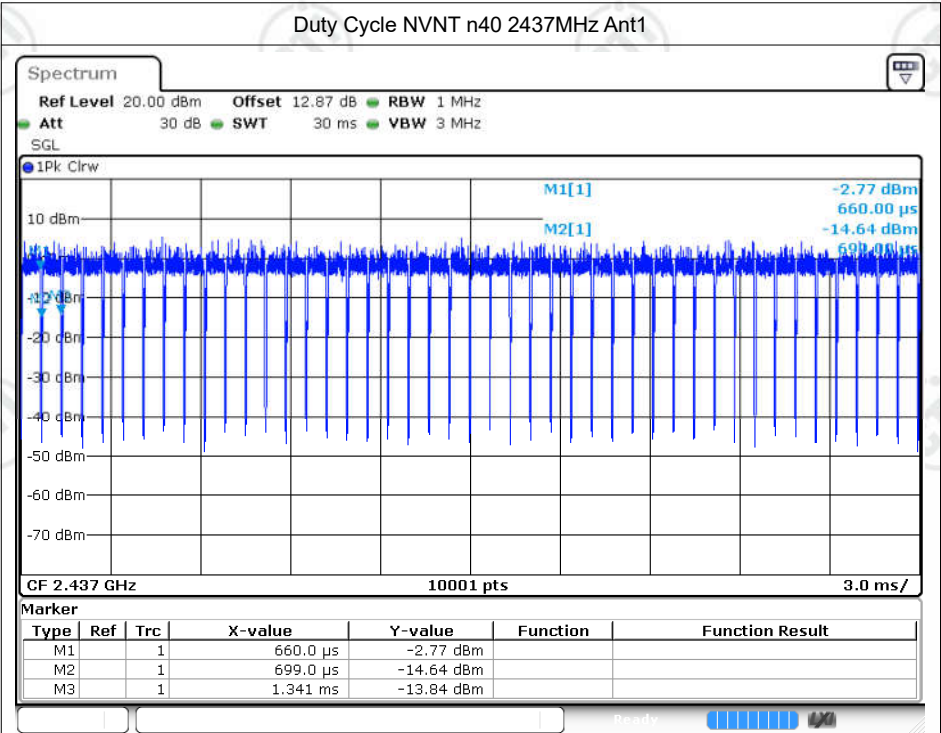
Date: 15.OCT.2024 01:10:31



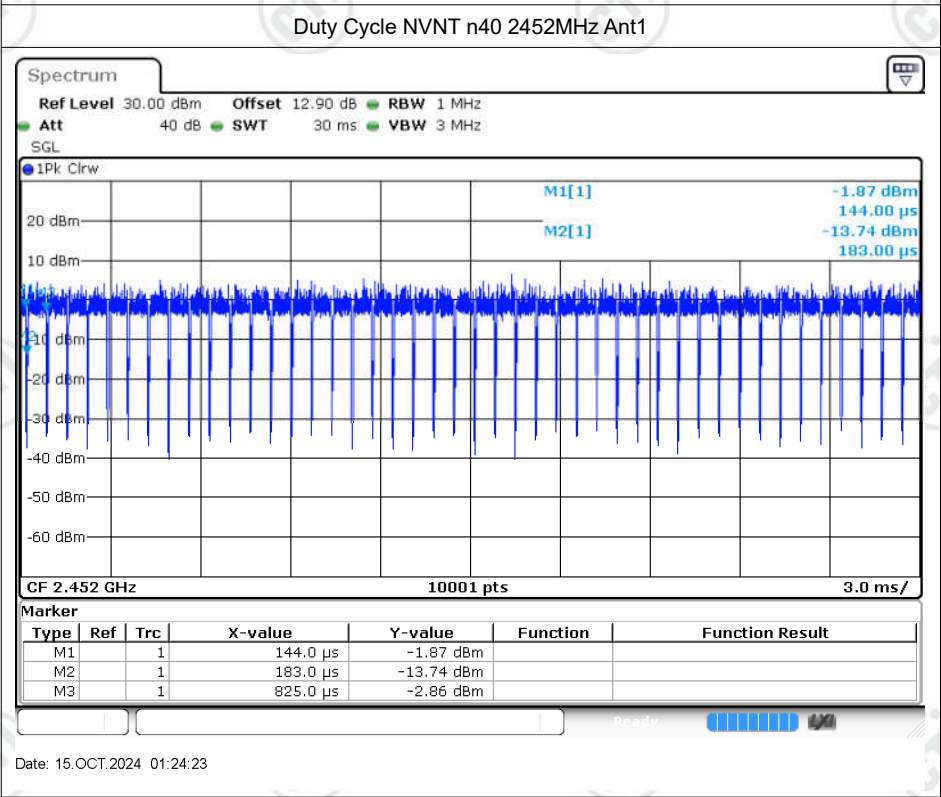
Date: 15.OCT.2024 01:13:31



Date: 15.OCT.2024 01:16:26



Date: 15.OCT.2024 01:21:14



Date: 15.OCT.2024 01:24:23

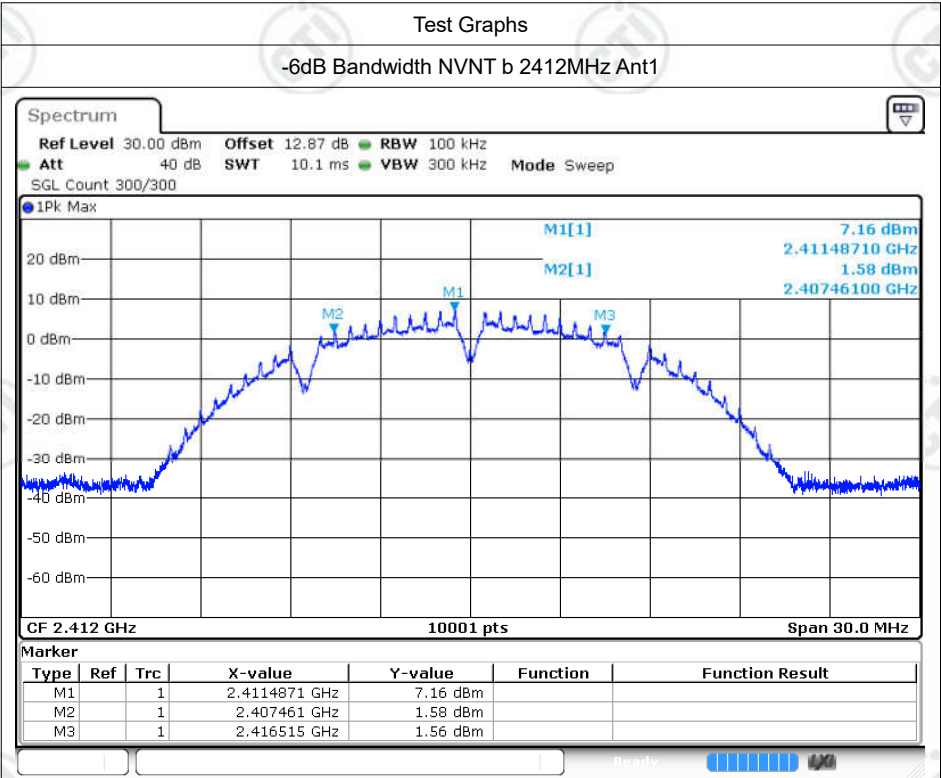
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.54	30	Pass
NVNT	b	2437	Ant1	15.34	30	Pass
NVNT	b	2462	Ant1	15.46	30	Pass
NVNT	g	2412	Ant1	14.87	30	Pass
NVNT	g	2437	Ant1	15.24	30	Pass
NVNT	g	2462	Ant1	15.68	30	Pass
NVNT	n20	2412	Ant1	14.86	30	Pass
NVNT	n20	2437	Ant1	15.20	30	Pass
NVNT	n20	2462	Ant1	15.59	30	Pass
NVNT	n40	2422	Ant1	14.13	30	Pass
NVNT	n40	2437	Ant1	13.93	30	Pass
NVNT	n40	2452	Ant1	14.13	30	Pass

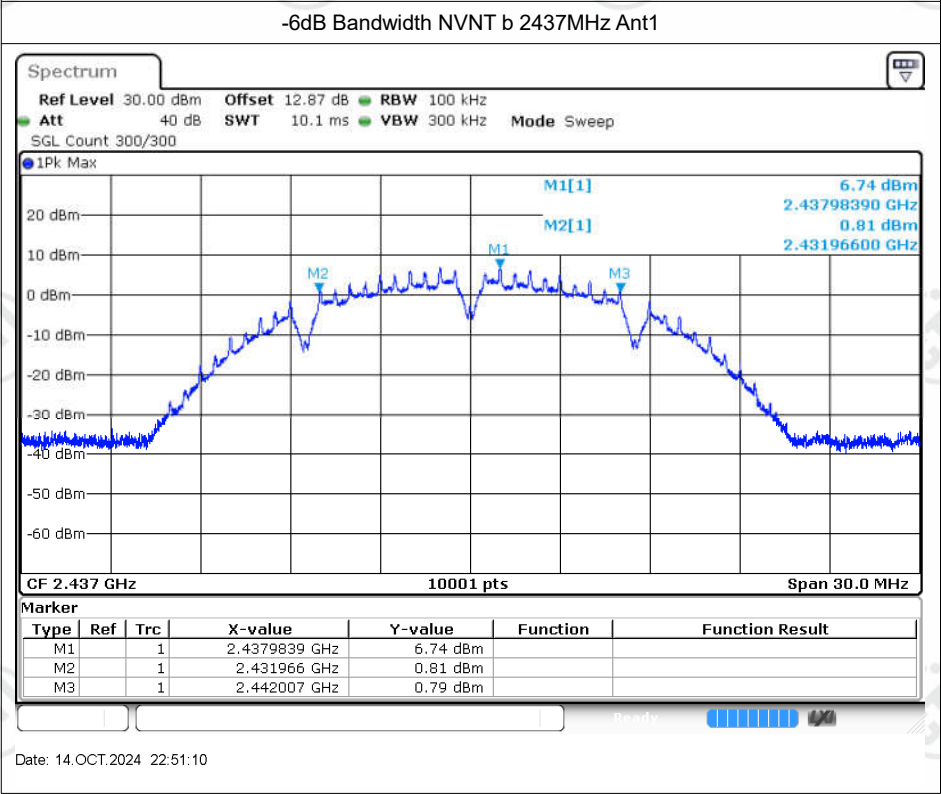
Note:Conducted Power (dBm) has been added Duty Cycle Correction Factor (dB);

-6dB Bandwidth

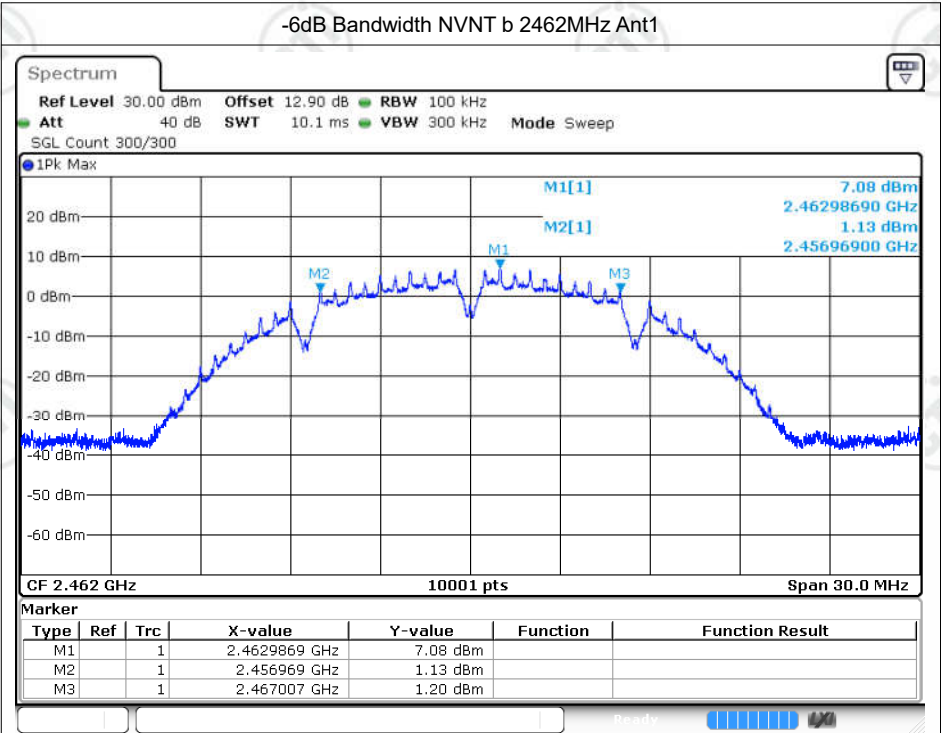
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.054	0.5	Pass
NVNT	b	2437	Ant1	10.041	0.5	Pass
NVNT	b	2462	Ant1	10.038	0.5	Pass
NVNT	g	2412	Ant1	15.771	0.5	Pass
NVNT	g	2437	Ant1	15.795	0.5	Pass
NVNT	g	2462	Ant1	15.78	0.5	Pass
NVNT	n20	2412	Ant1	16.05	0.5	Pass
NVNT	n20	2437	Ant1	16.029	0.5	Pass
NVNT	n20	2462	Ant1	16.02	0.5	Pass
NVNT	n40	2422	Ant1	34.644	0.5	Pass
NVNT	n40	2437	Ant1	35.118	0.5	Pass
NVNT	n40	2452	Ant1	35.118	0.5	Pass



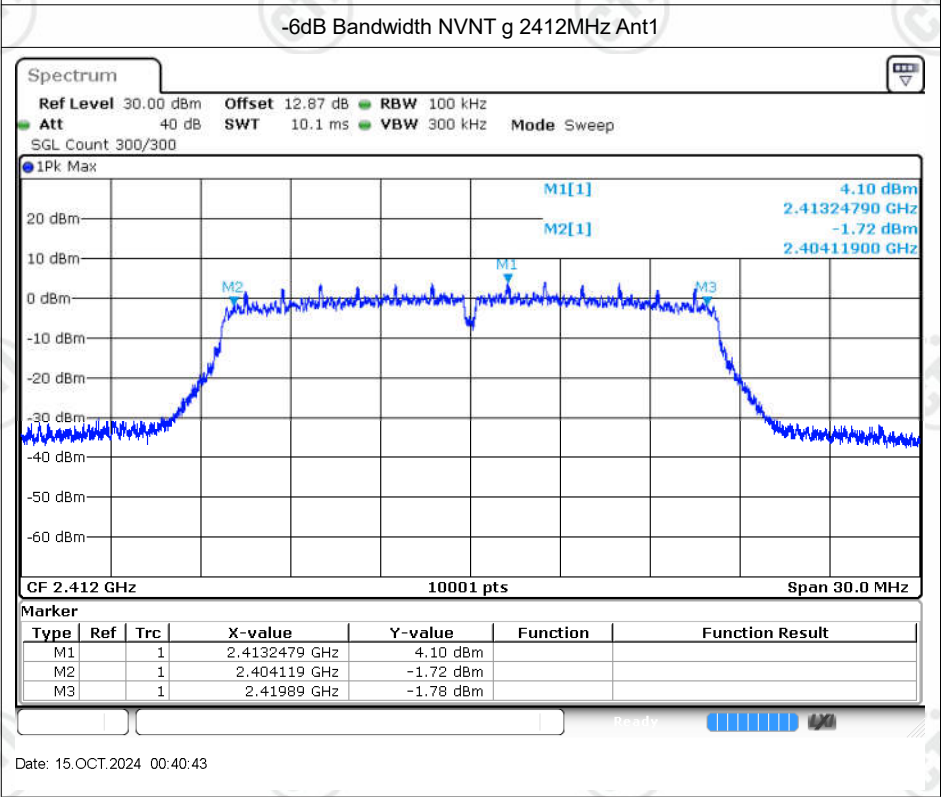
Date: 14.OCT.2024 22:48:59



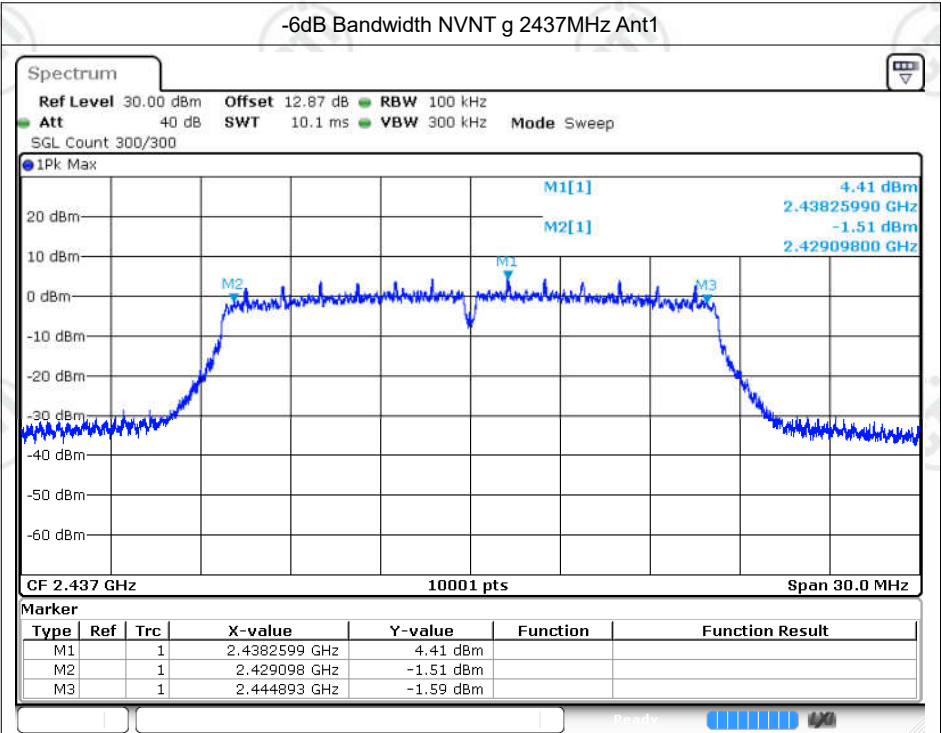
Date: 14.OCT.2024 22:51:10



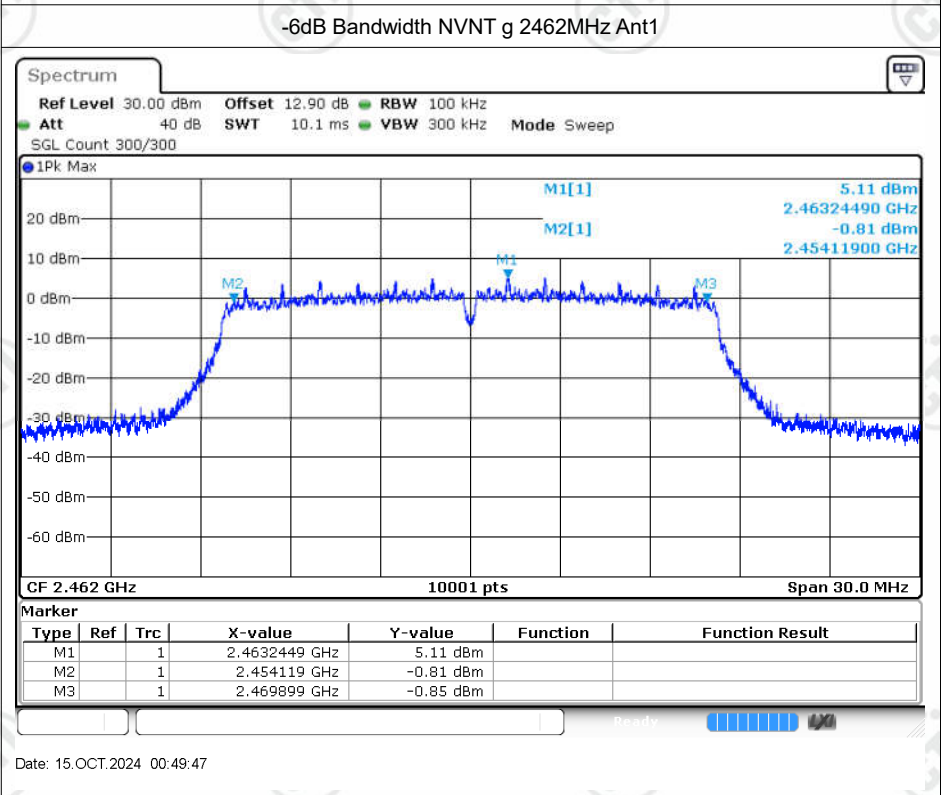
Date: 14.OCT.2024 22:53:27



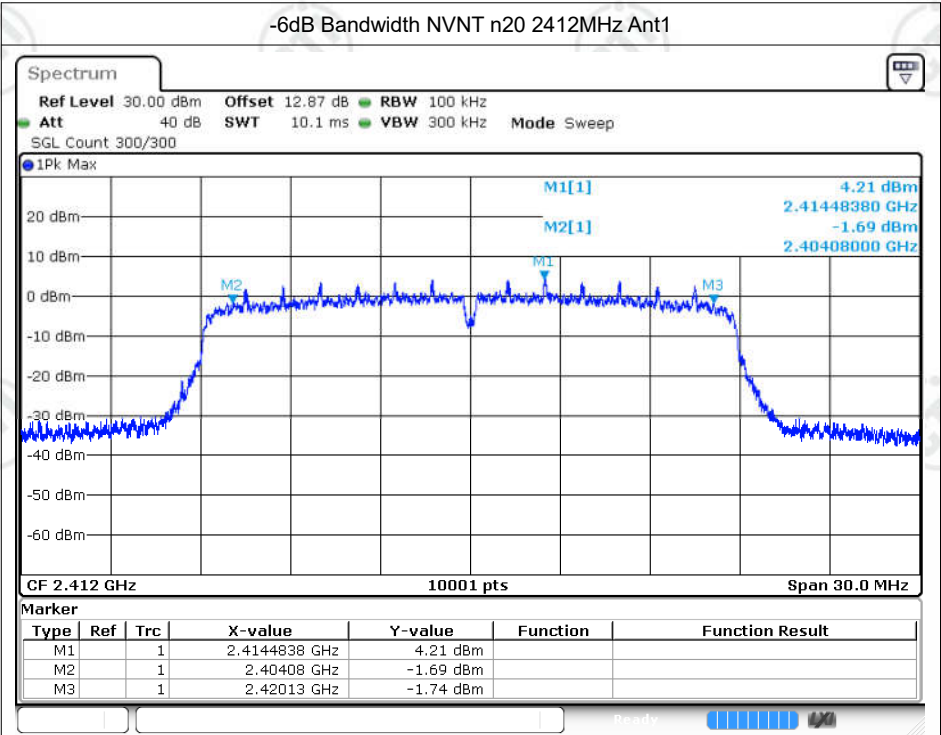
Date: 15.OCT.2024 00:40:43



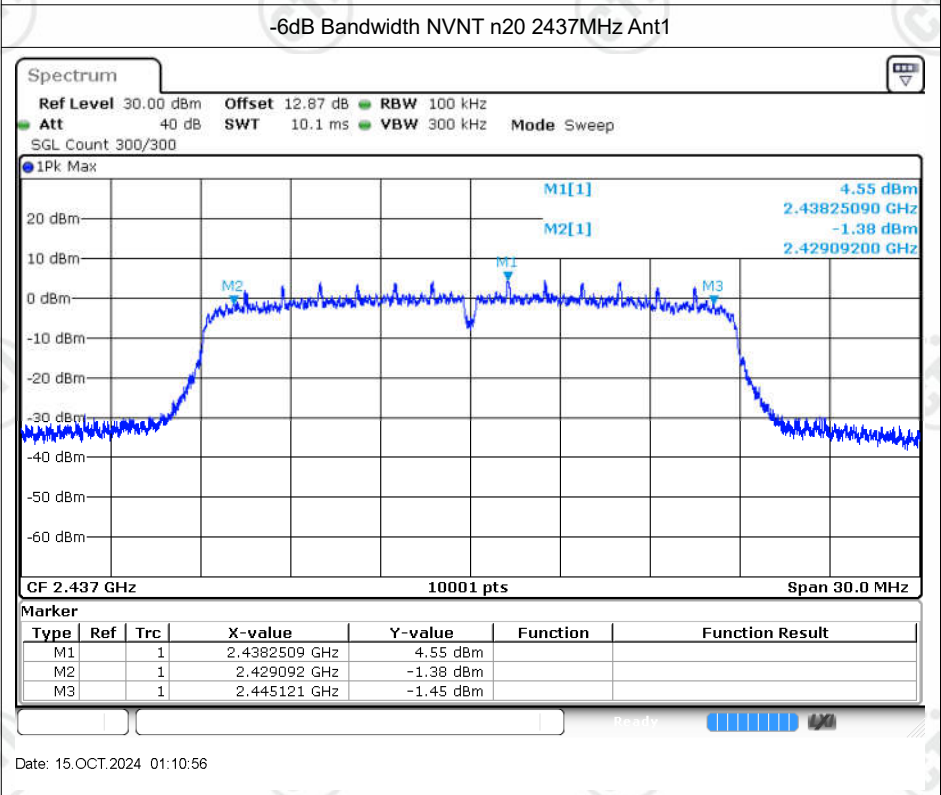
Date: 15.OCT.2024 00:43:04



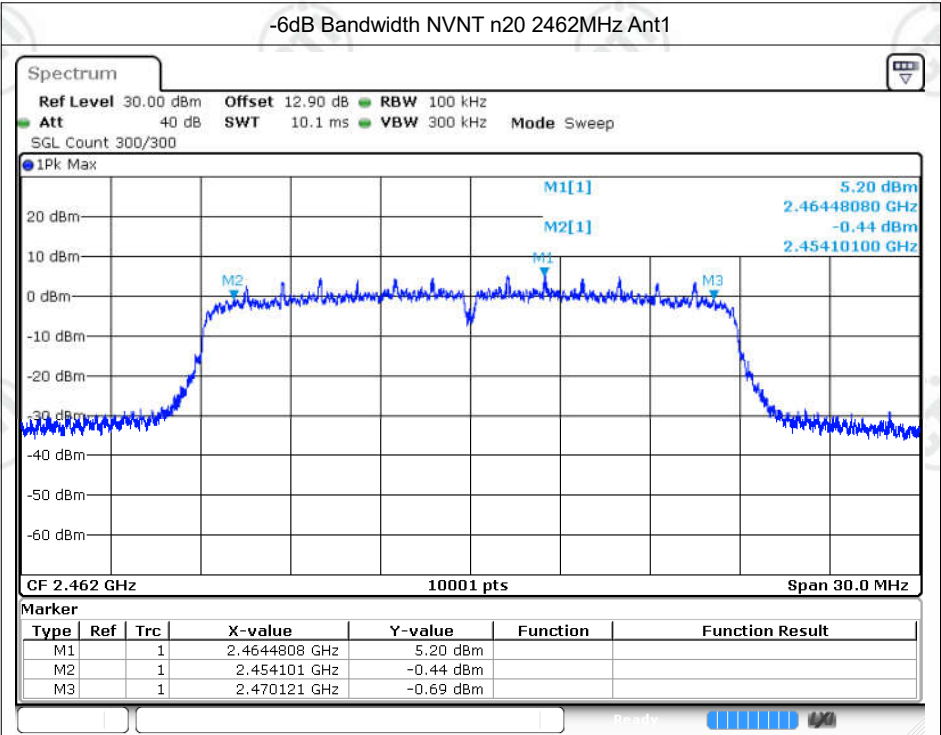
Date: 15.OCT.2024 00:49:47



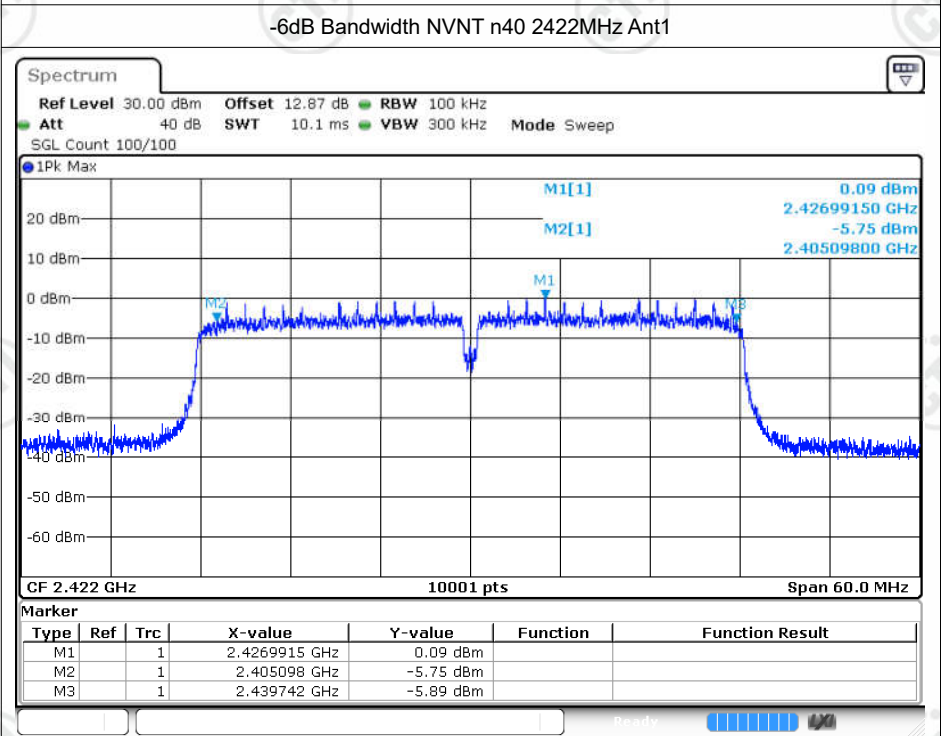
Date: 15.OCT.2024 01:06:56



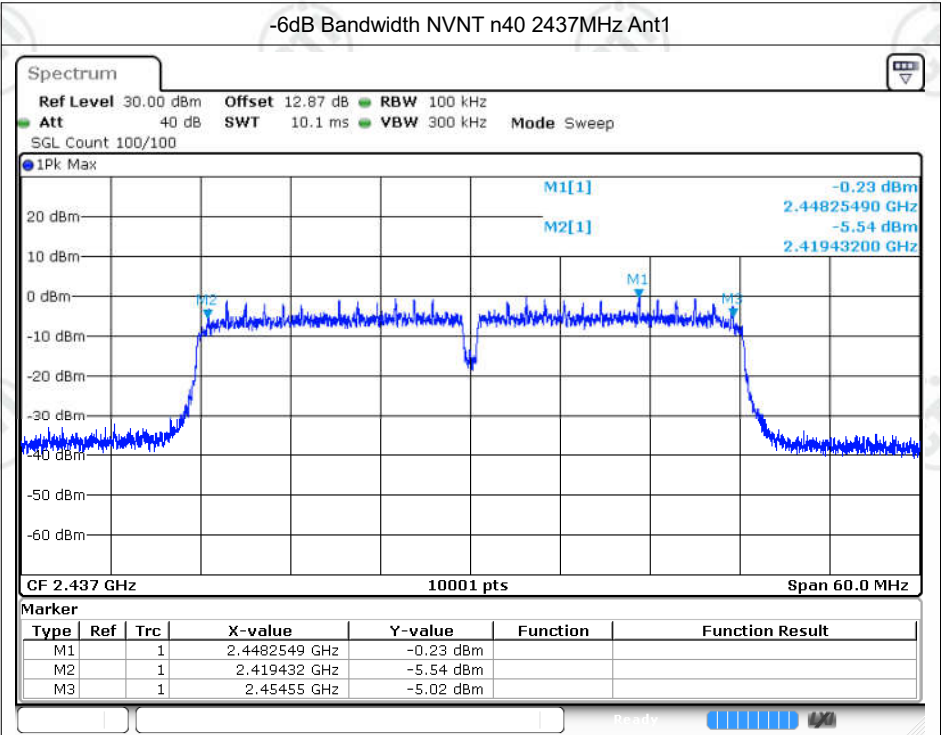
Date: 15.OCT.2024 01:10:56



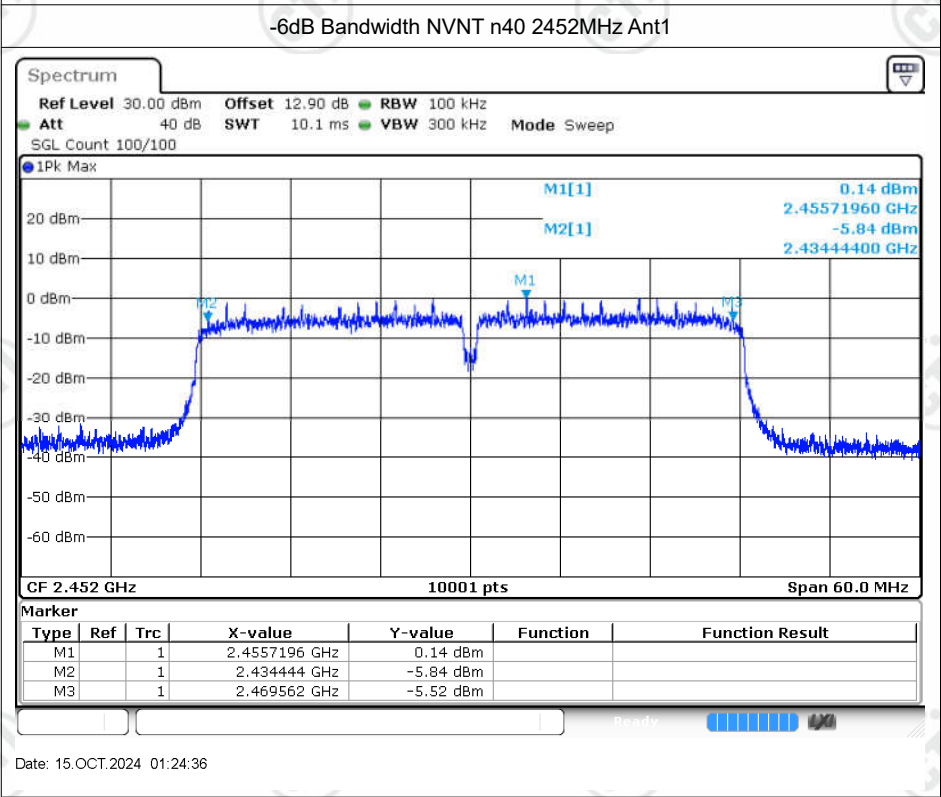
Date: 15.OCT.2024 01:13:58



Date: 15.OCT.2024 01:16:39



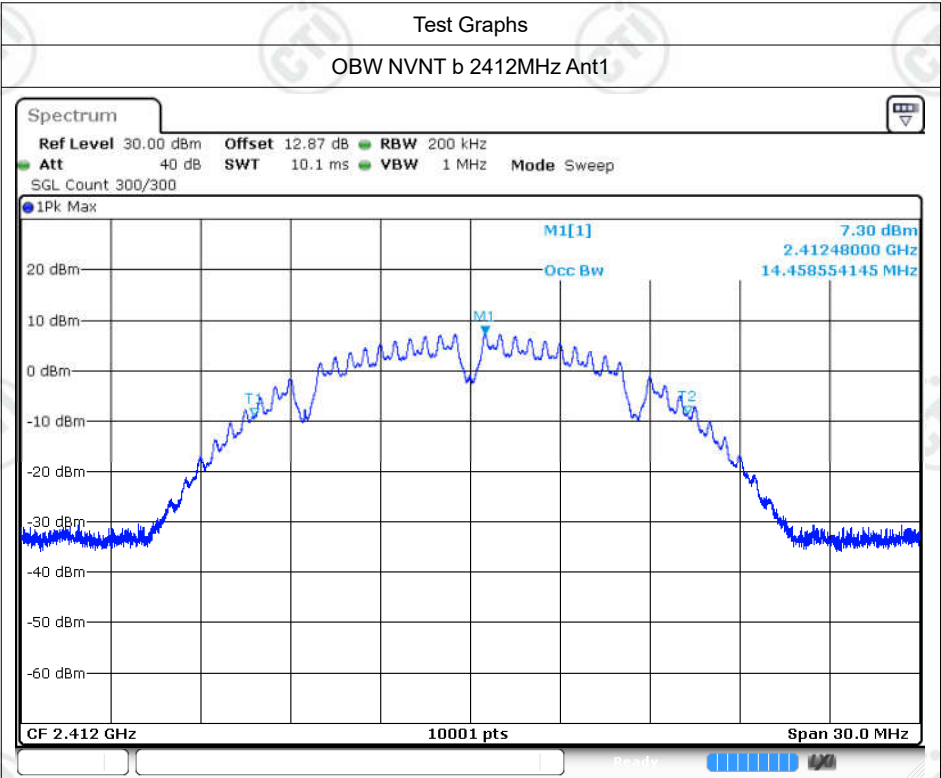
Date: 15.OCT.2024 01:21:28



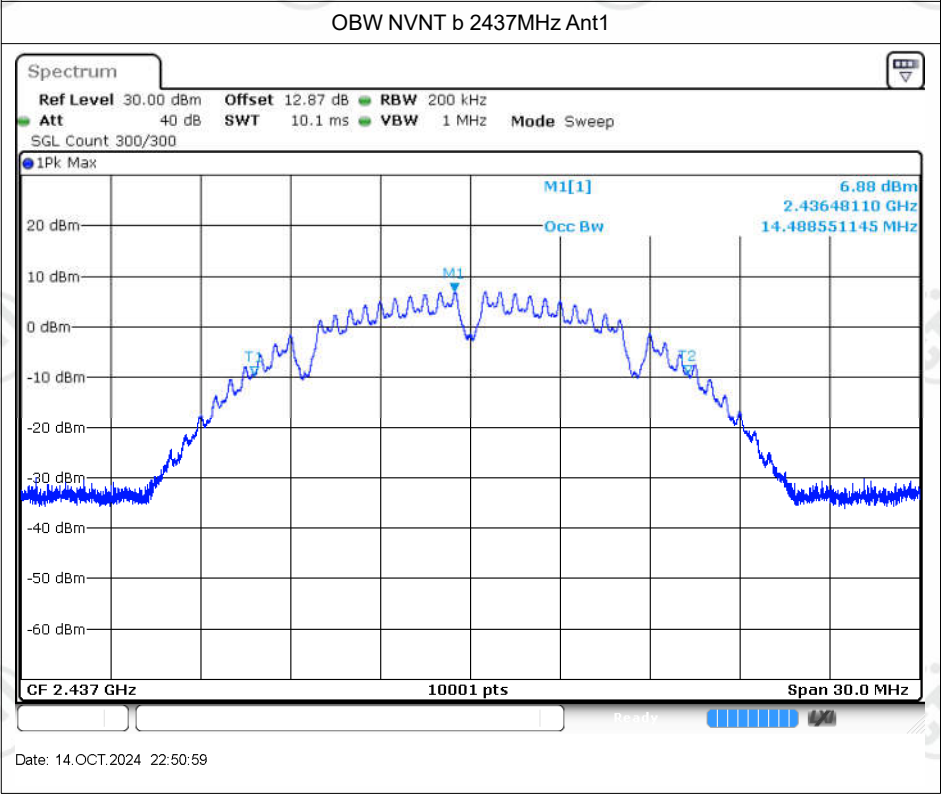
Date: 15.OCT.2024 01:24:36

Occupied Channel Bandwidth

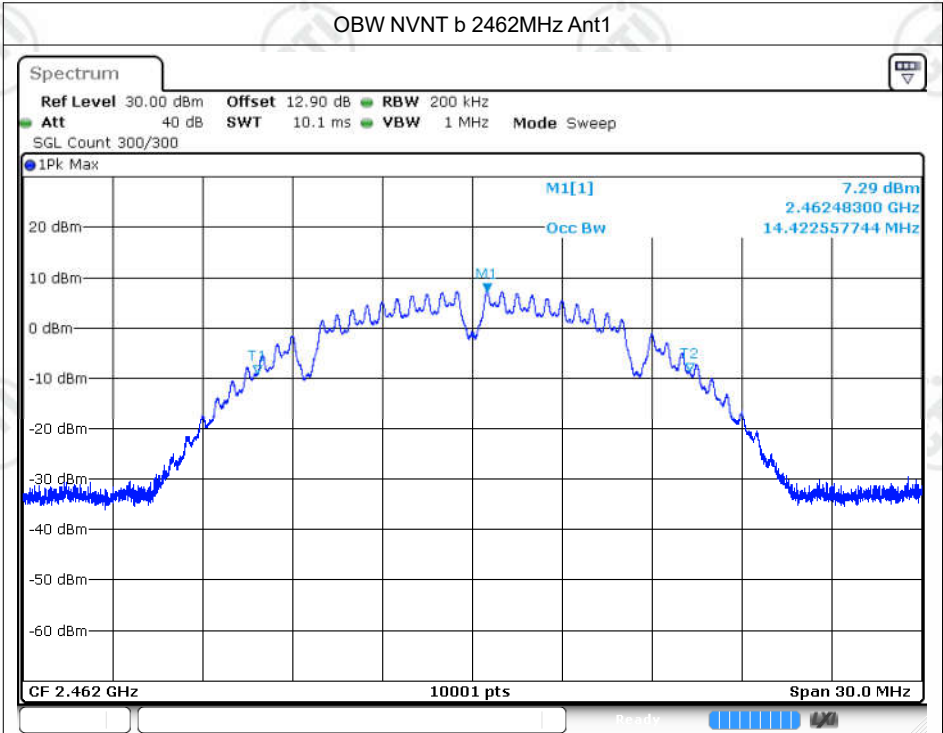
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.459
NVNT	b	2437	Ant1	14.489
NVNT	b	2462	Ant1	14.423
NVNT	g	2412	Ant1	16.36
NVNT	g	2437	Ant1	16.369
NVNT	g	2462	Ant1	16.366
NVNT	n20	2412	Ant1	17.347
NVNT	n20	2437	Ant1	17.35
NVNT	n20	2462	Ant1	17.344
NVNT	n40	2422	Ant1	35.864
NVNT	n40	2437	Ant1	35.888
NVNT	n40	2452	Ant1	35.87



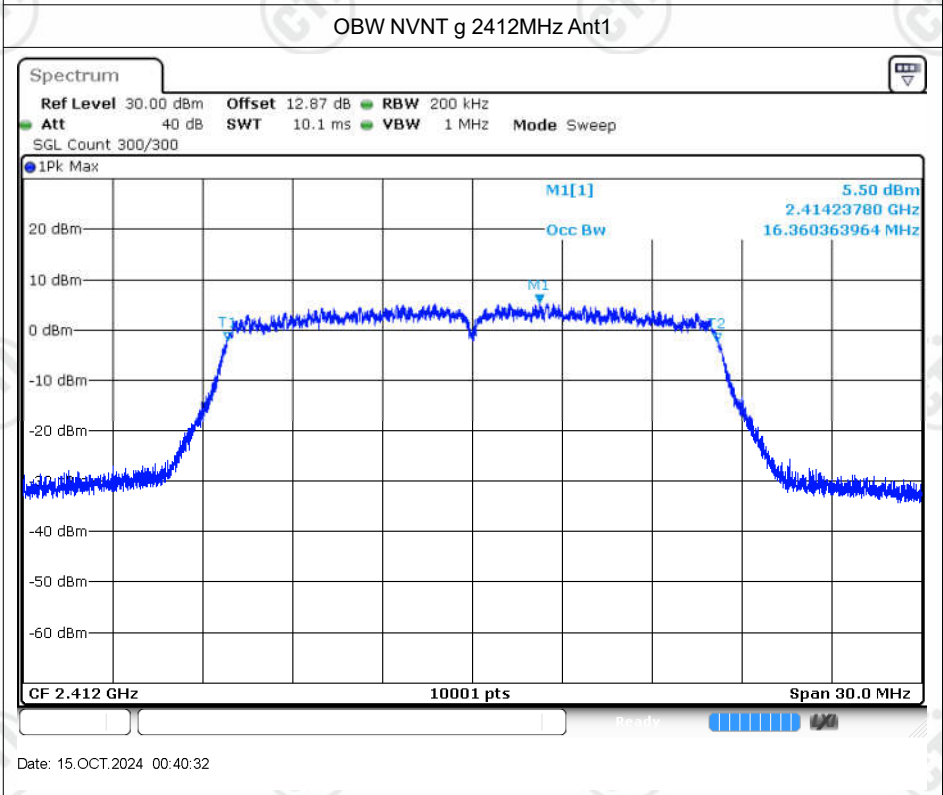
Date: 14.OCT.2024 22:48:48



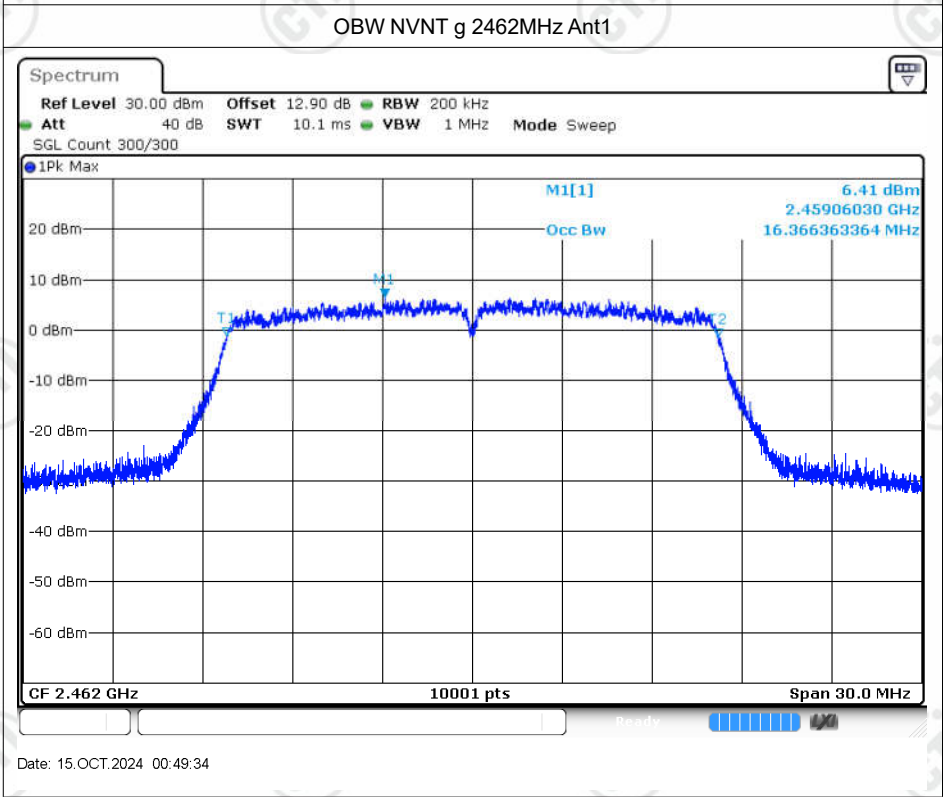
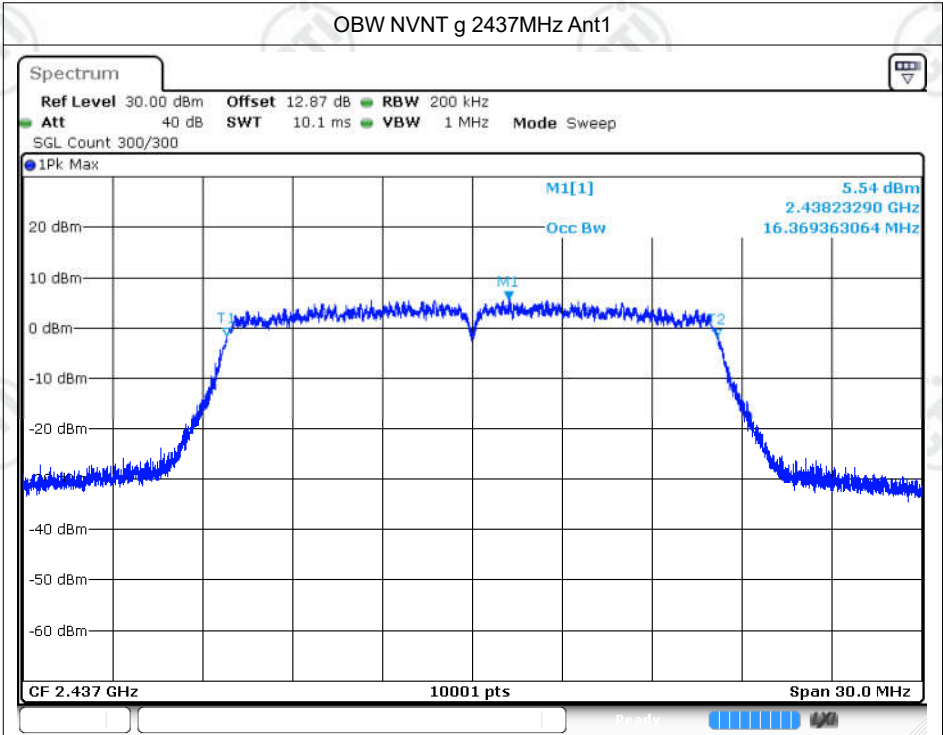
Date: 14.OCT.2024 22:50:59

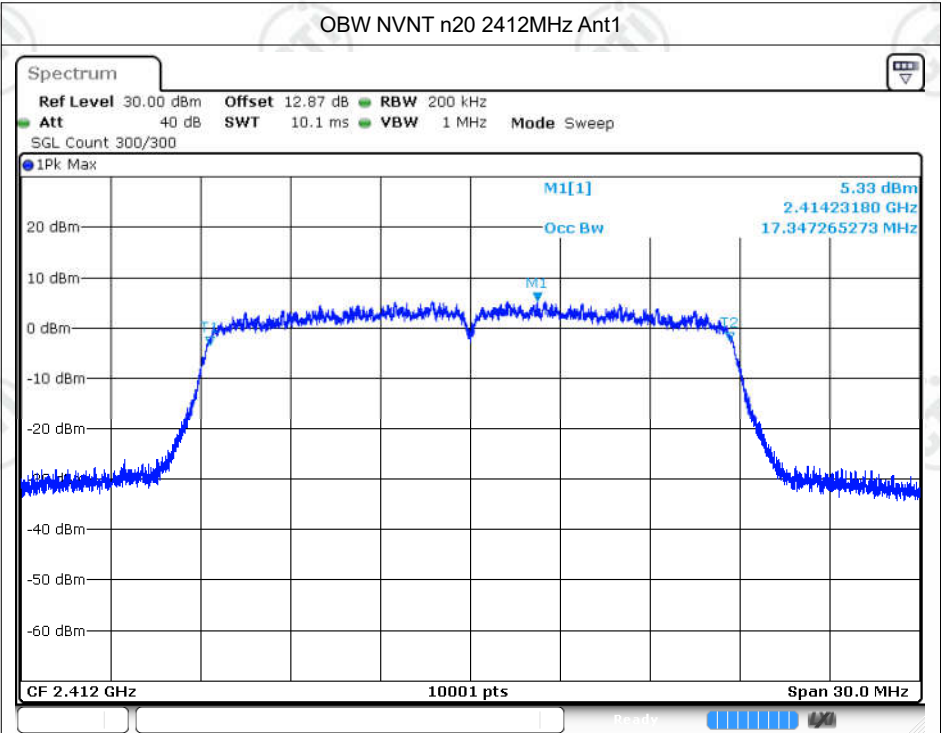


Date: 14.OCT.2024 22:53:15

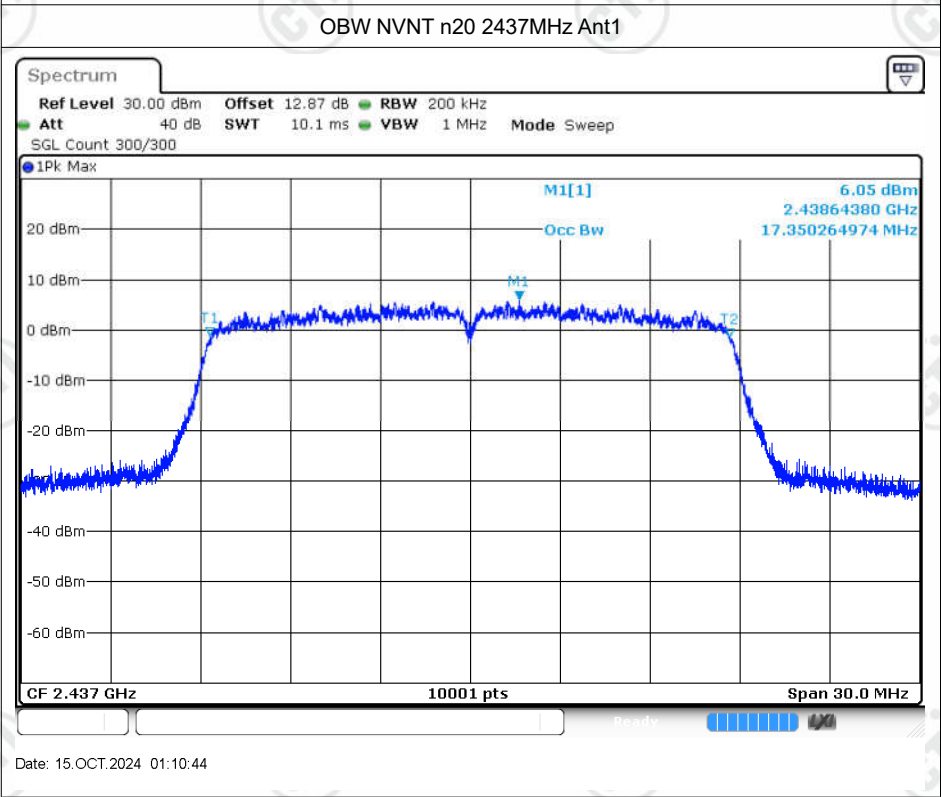


Date: 15.OCT.2024 00:40:32

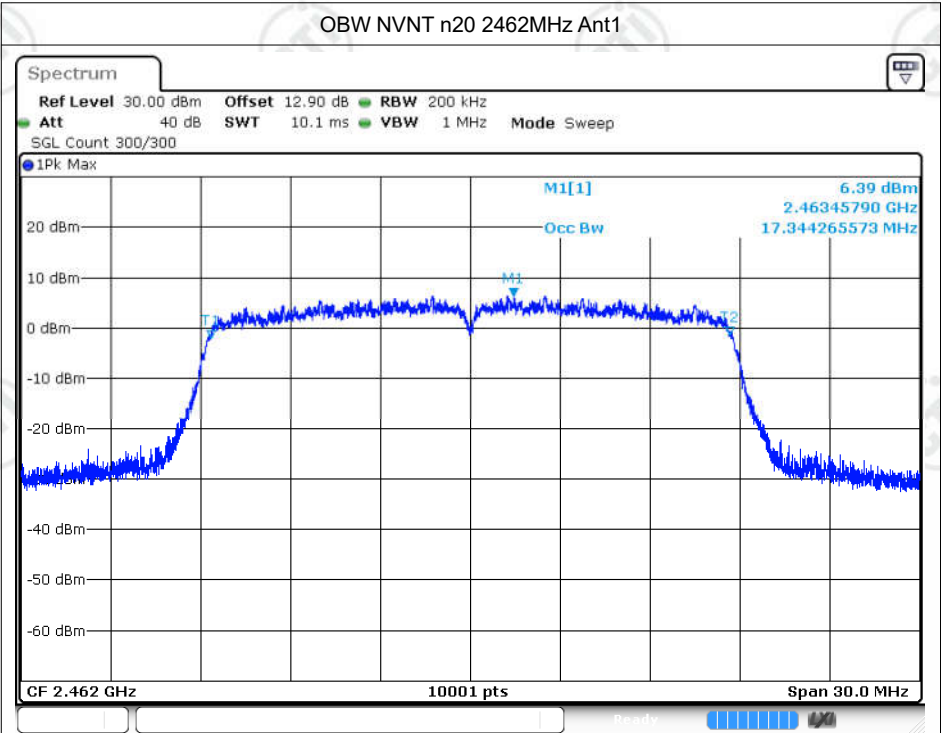




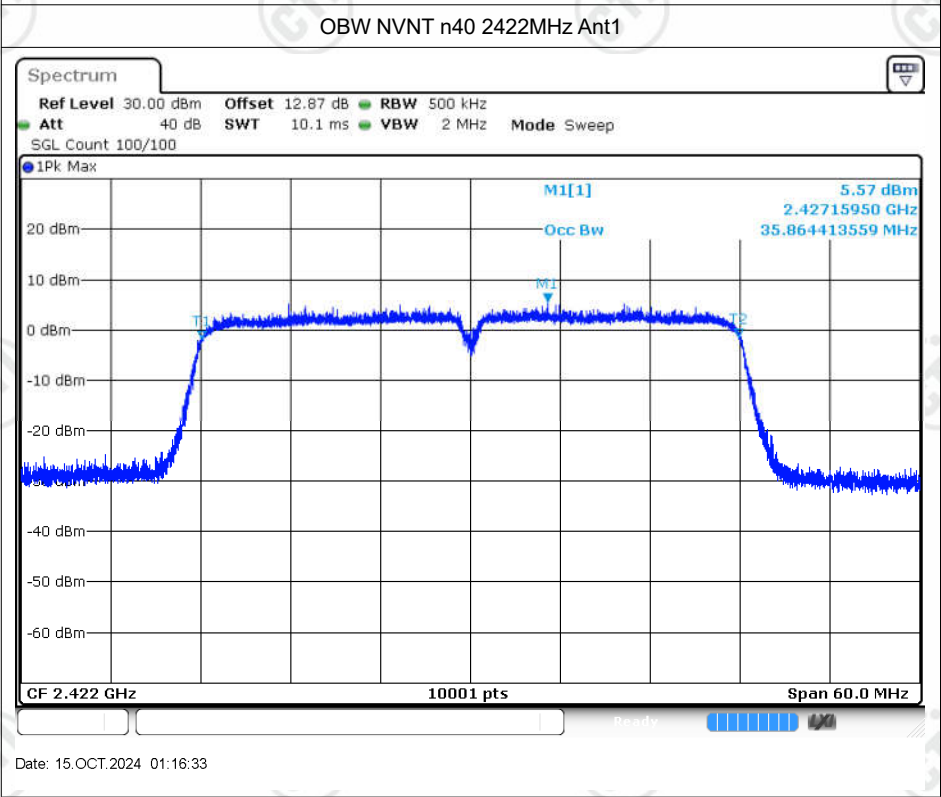
Date: 15.OCT.2024 01:06:45



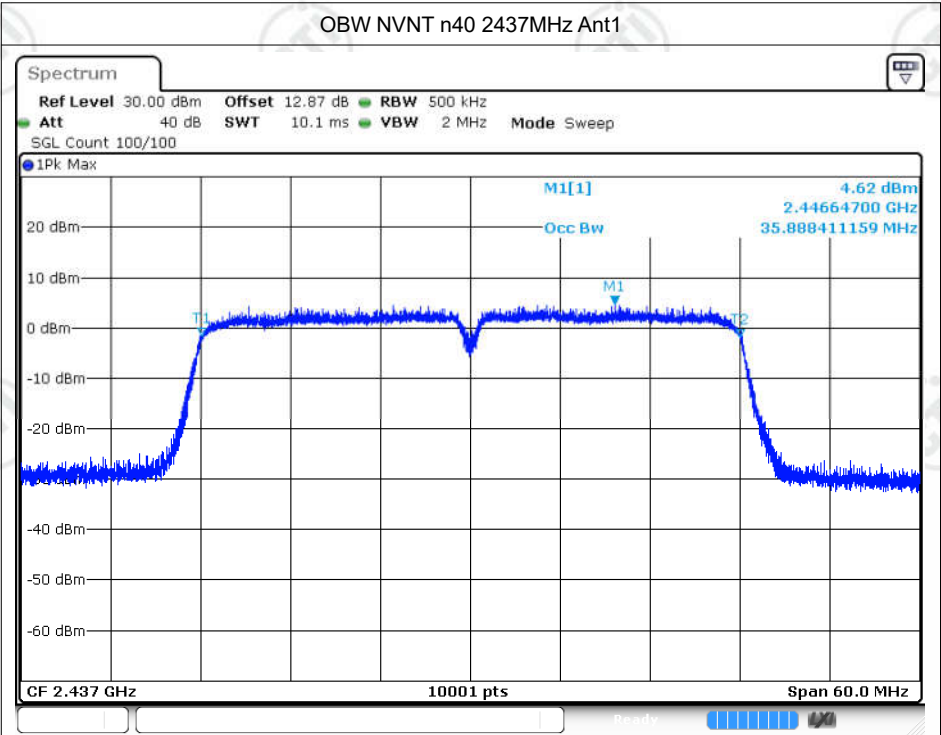
Date: 15.OCT.2024 01:10:44



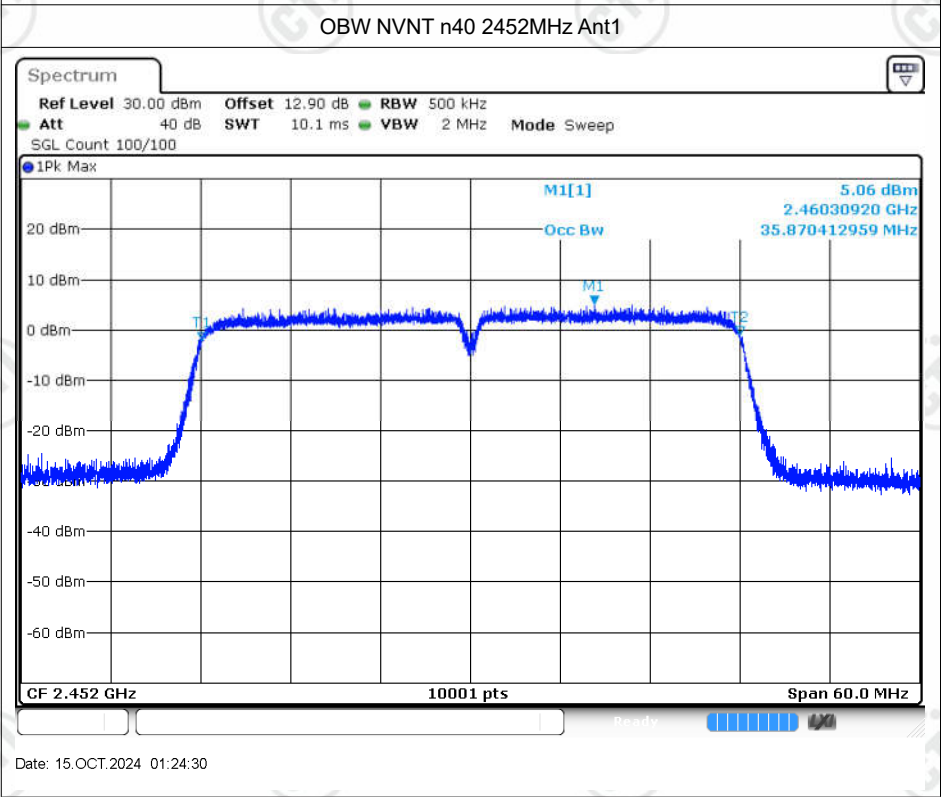
Date: 15.OCT.2024 01:13:45



Date: 15.OCT.2024 01:16:33



Date: 15.OCT.2024 01:21:22

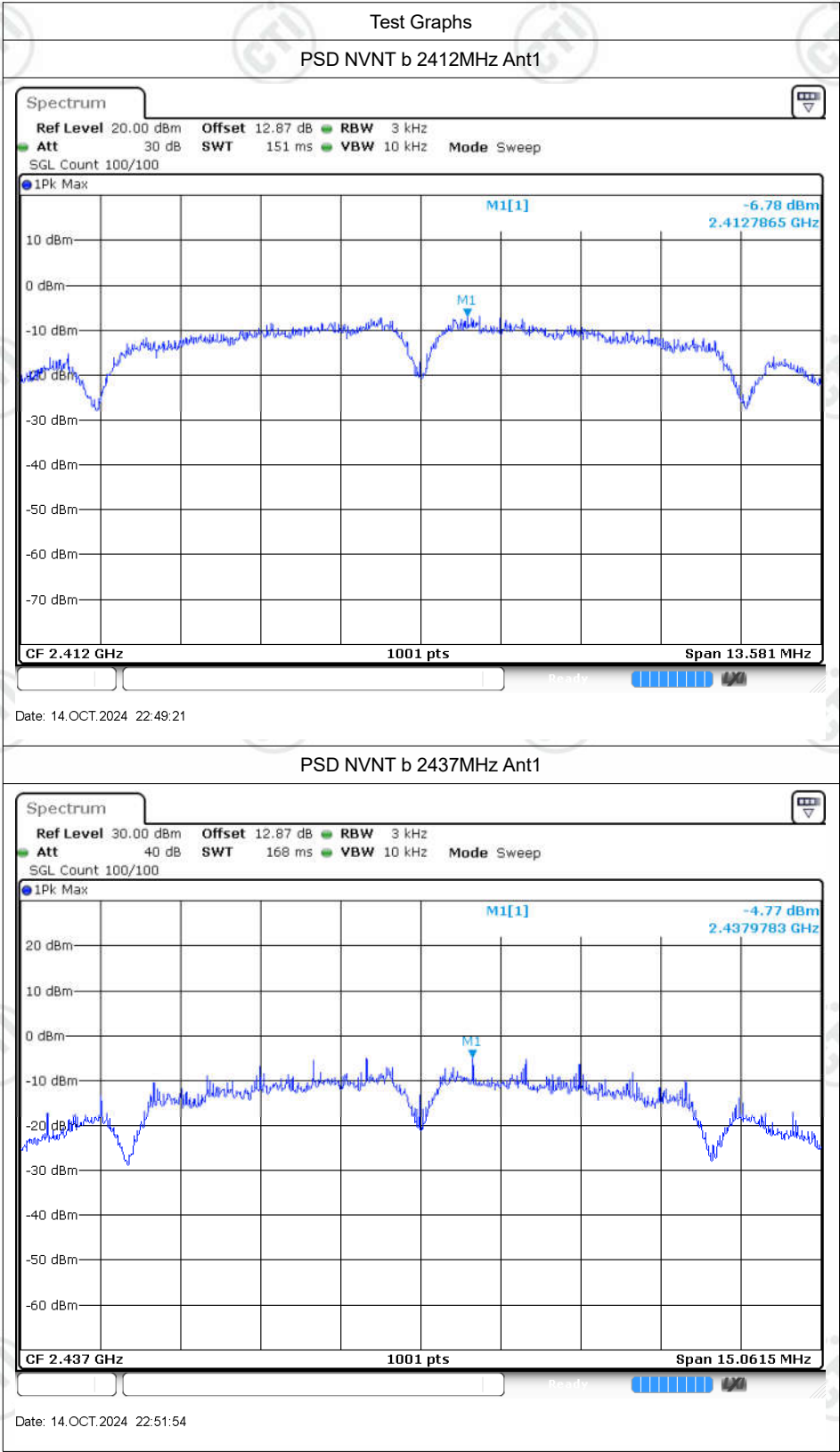


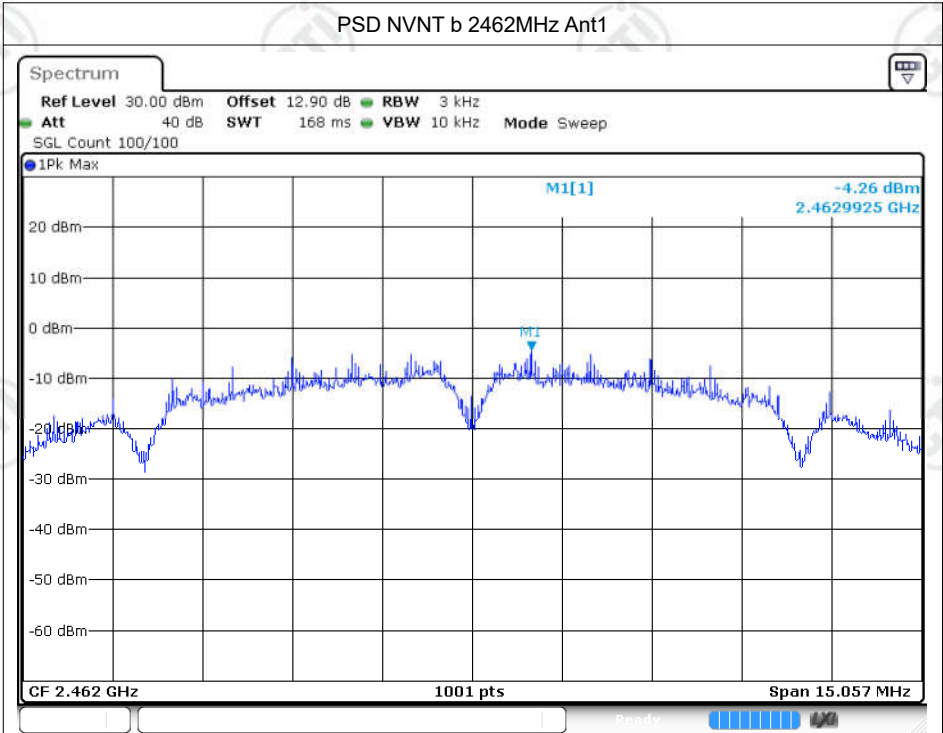
Date: 15.OCT.2024 01:24:30

Maximum Power Spectral Density Level

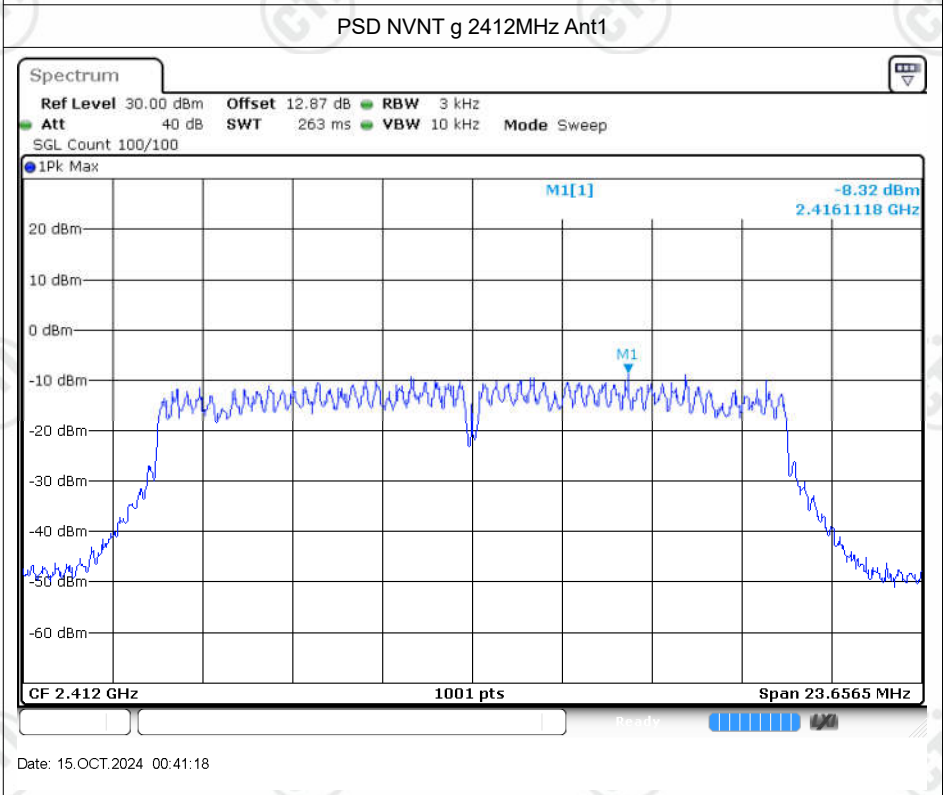
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-6.78	8	Pass
NVNT	b	2437	Ant1	-4.77	8	Pass
NVNT	b	2462	Ant1	-4.26	8	Pass
NVNT	g	2412	Ant1	-8.32	8	Pass
NVNT	g	2437	Ant1	-8.25	8	Pass
NVNT	g	2462	Ant1	-7.43	8	Pass
NVNT	n20	2412	Ant1	-9.46	8	Pass
NVNT	n20	2437	Ant1	-8.99	8	Pass
NVNT	n20	2462	Ant1	-7.77	8	Pass
NVNT	n40	2422	Ant1	-13.64	8	Pass
NVNT	n40	2437	Ant1	-13.04	8	Pass
NVNT	n40	2452	Ant1	-11.4	8	Pass

Note:Conducted PSD (dBm/3kHz) has been added Duty Cycle Correction Factor (dB);

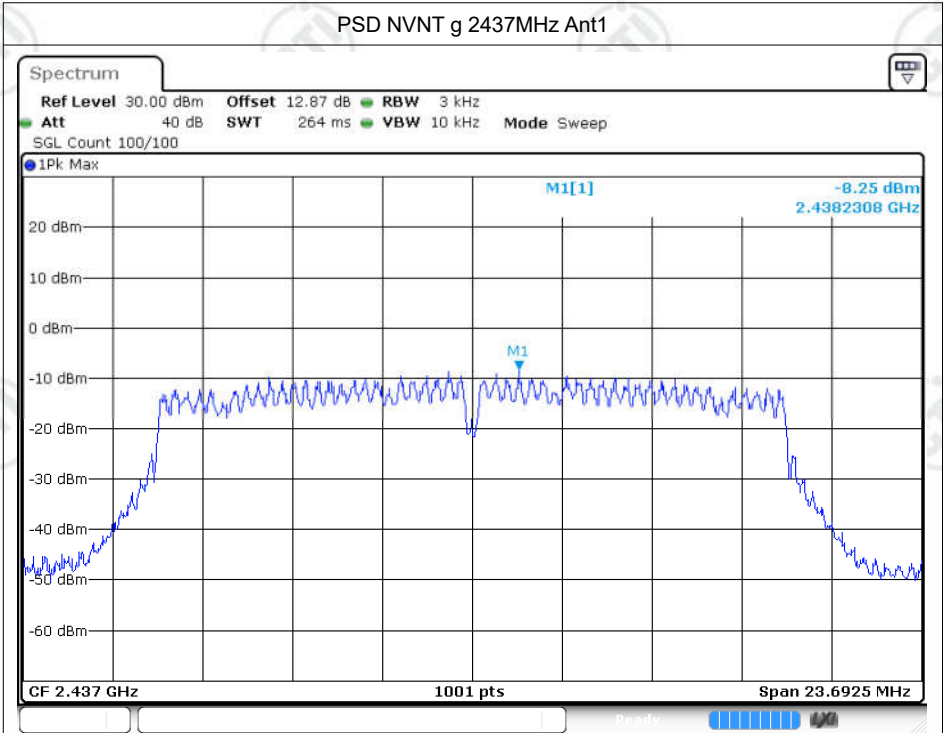




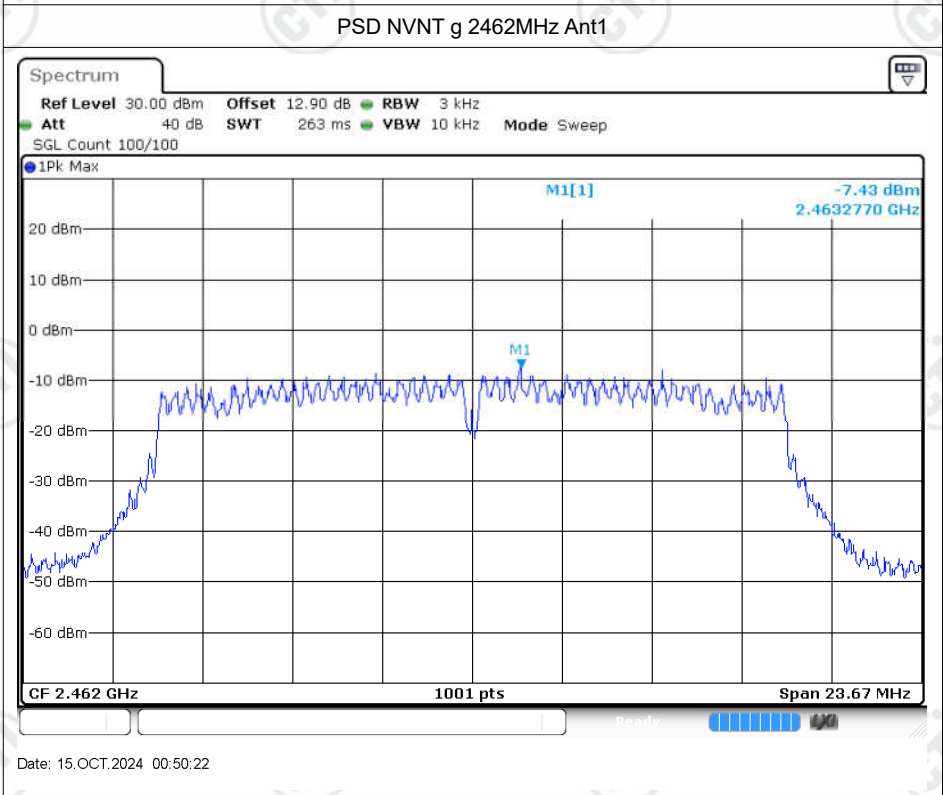
Date: 14.OCT.2024 22:53:51



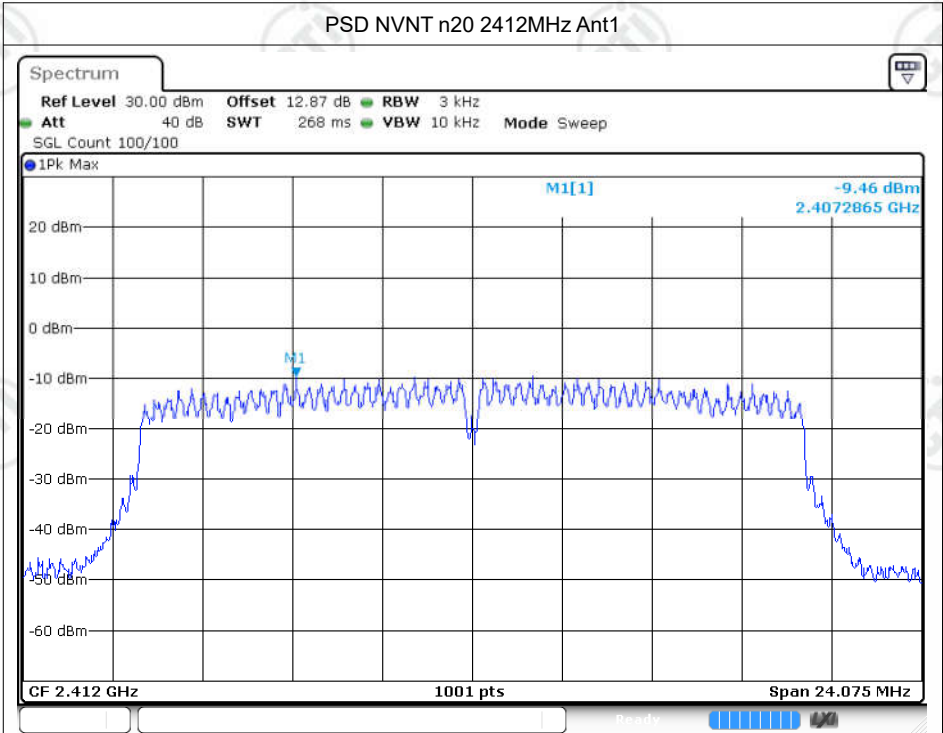
Date: 15.OCT.2024 00:41:18



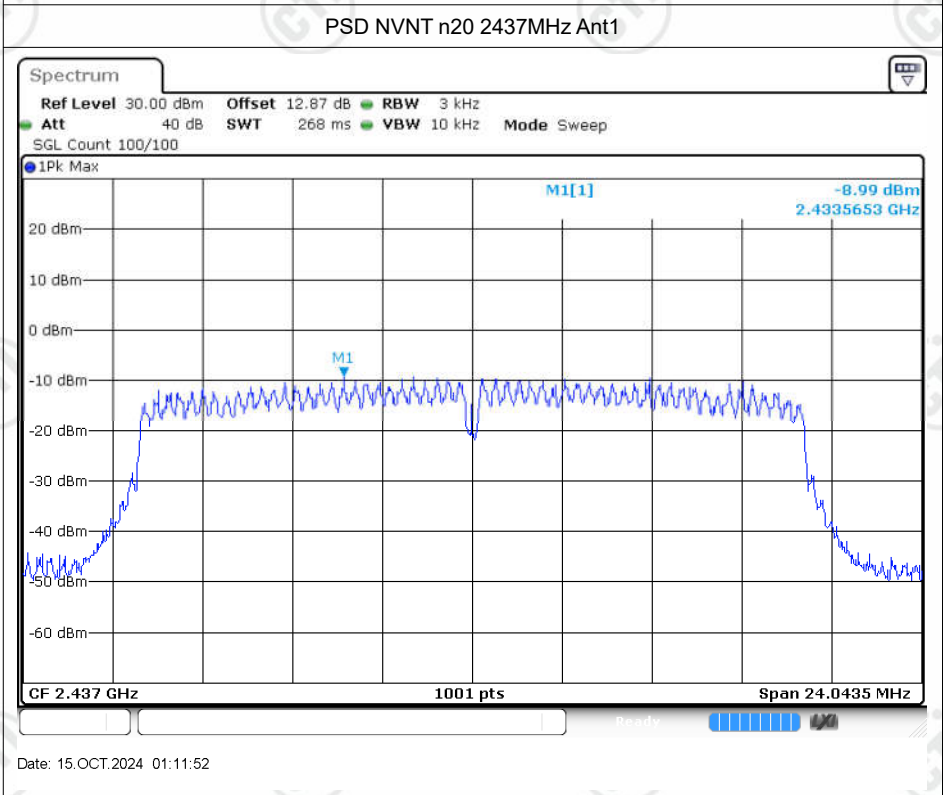
Date: 15.OCT.2024 00:43:59



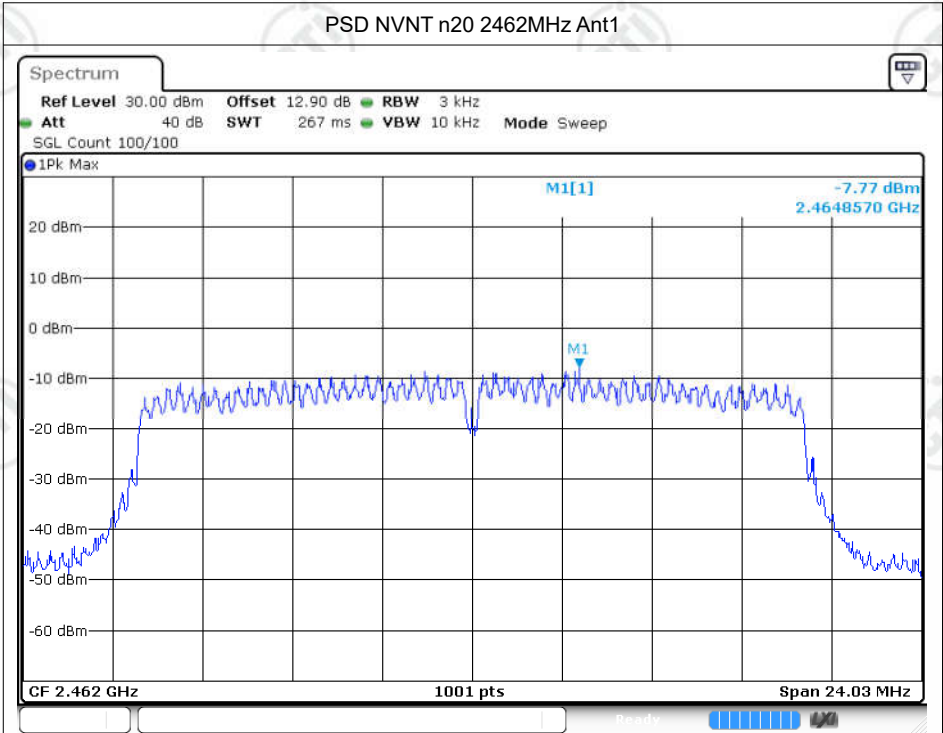
Date: 15.OCT.2024 00:50:22



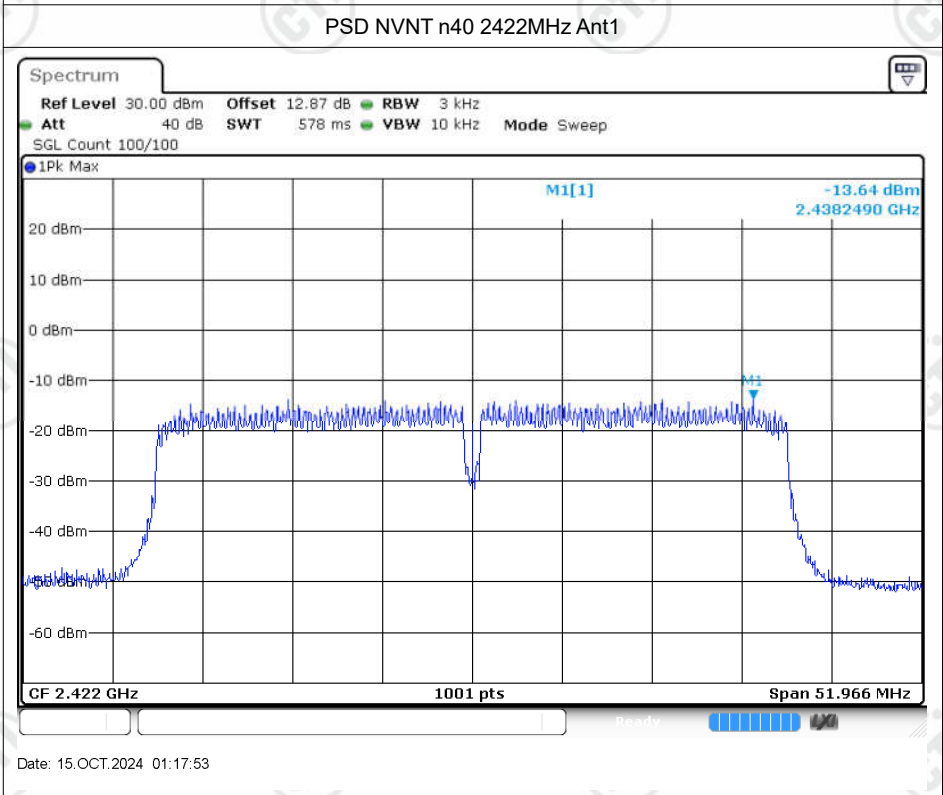
Date: 15.OCT.2024 01:07:33



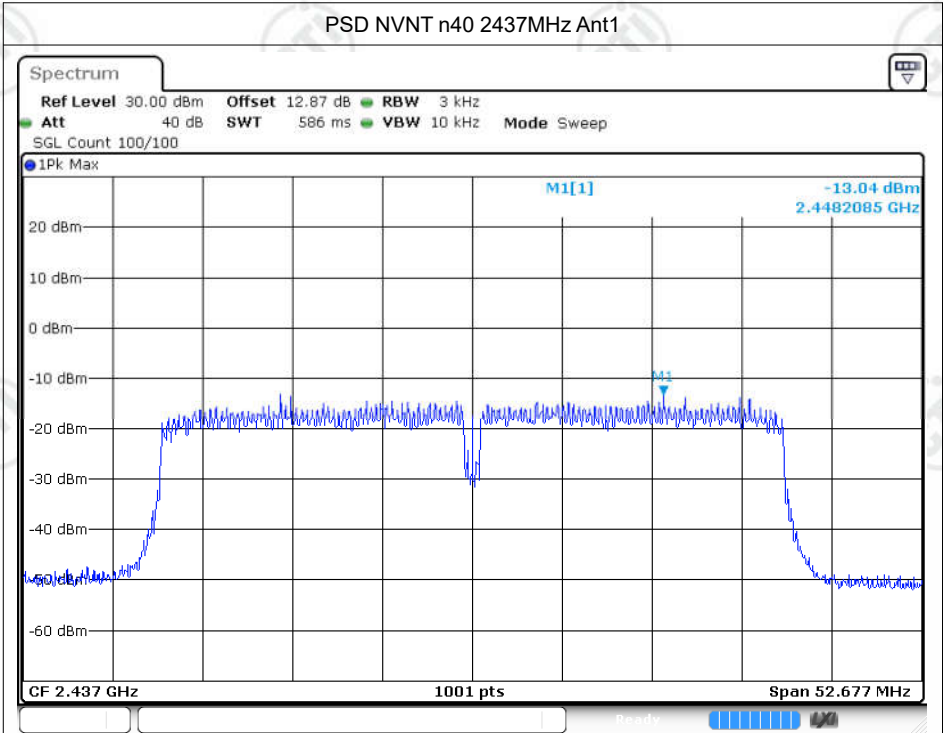
Date: 15.OCT.2024 01:11:52



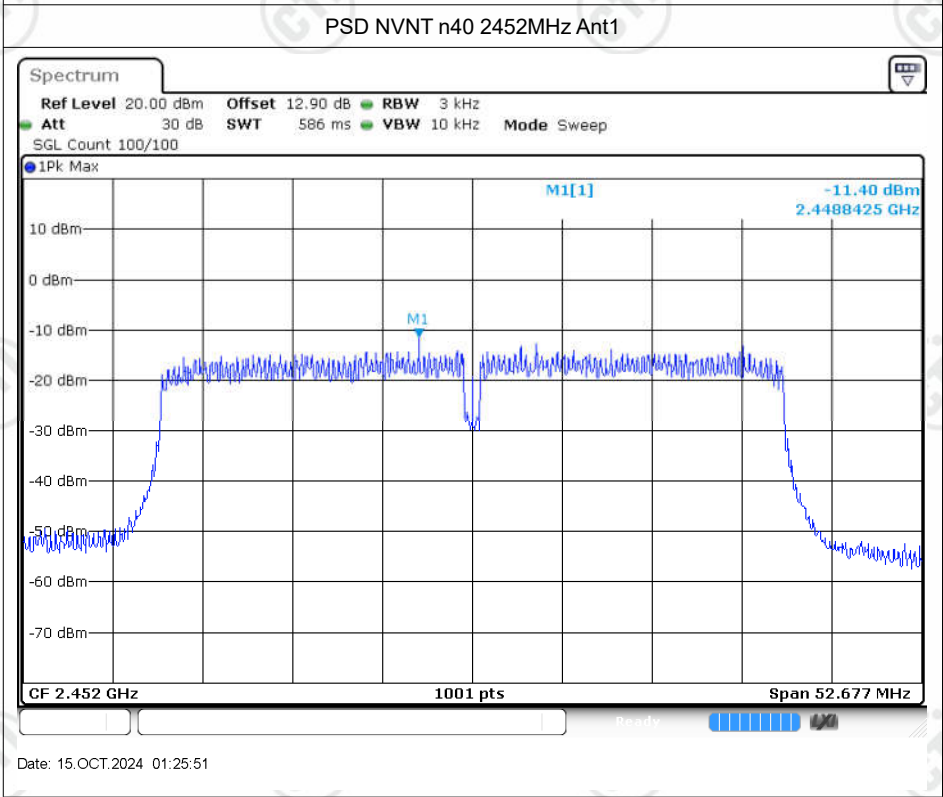
Date: 15.OCT.2024 01:14:34



Date: 15.OCT.2024 01:17:53



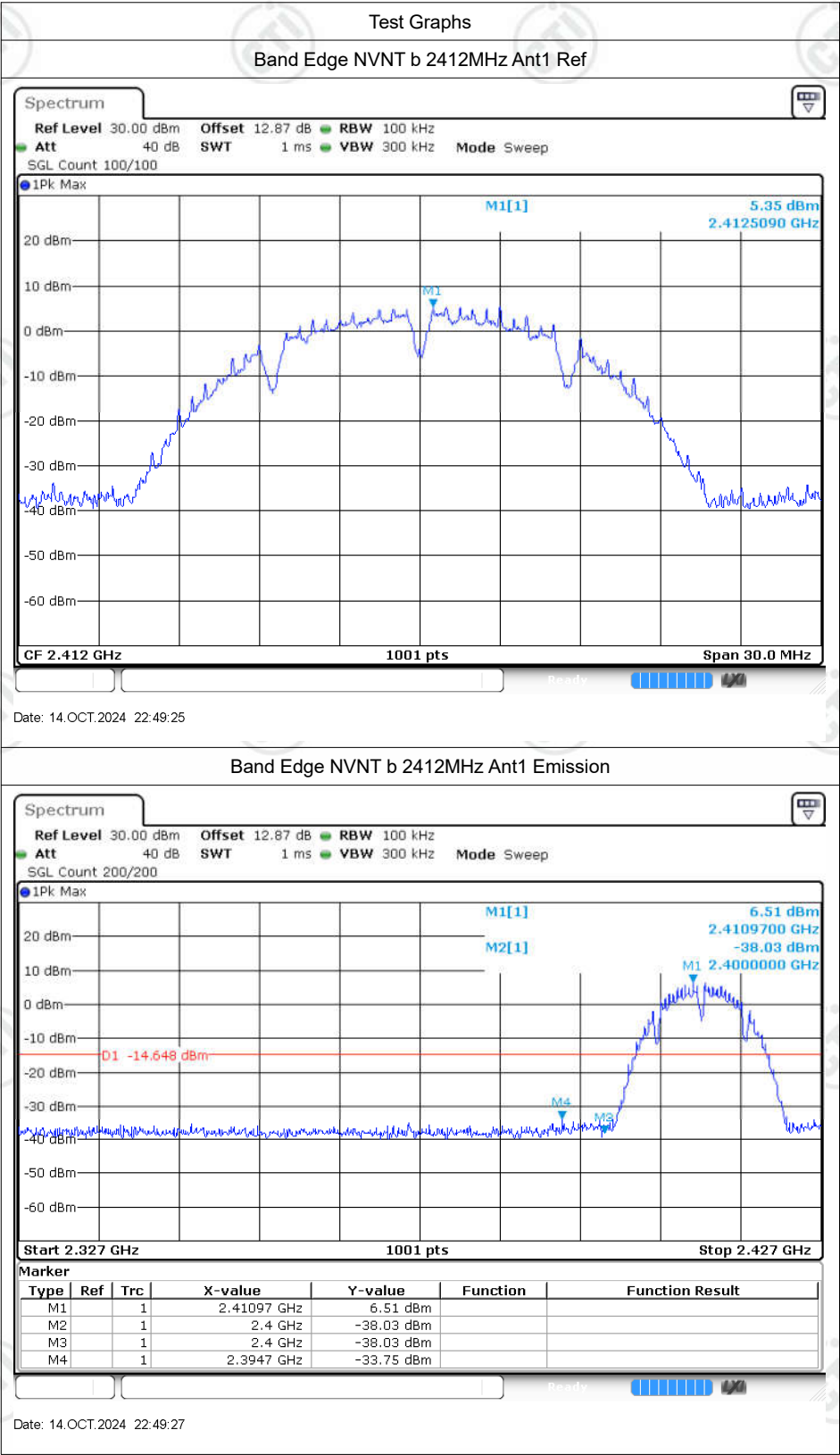
Date: 15.OCT.2024 01:22:42

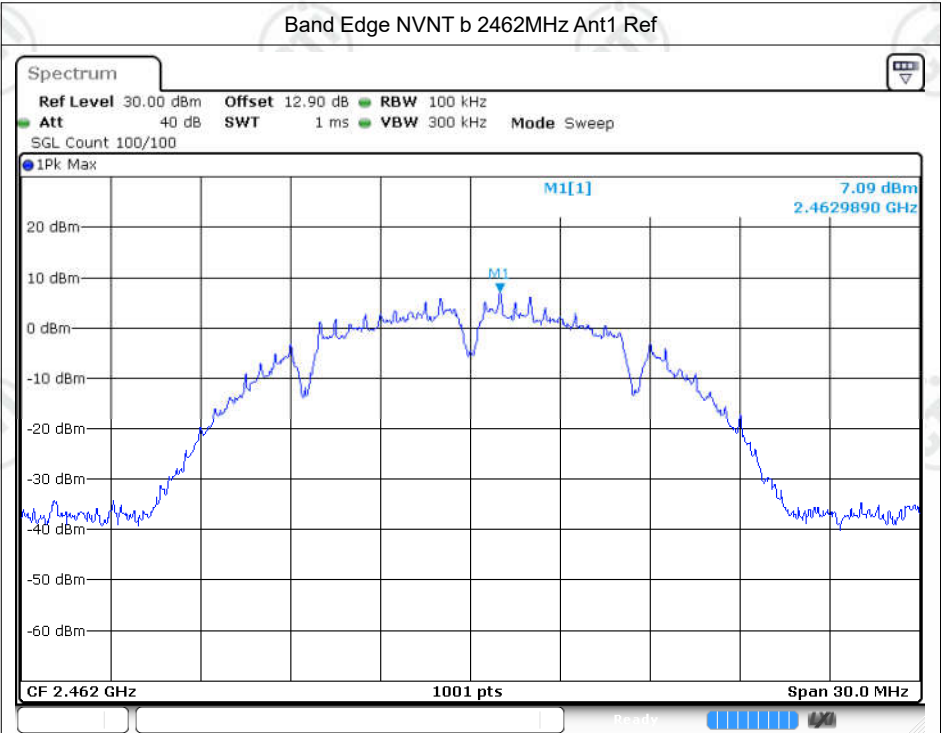


Date: 15.OCT.2024 01:25:51

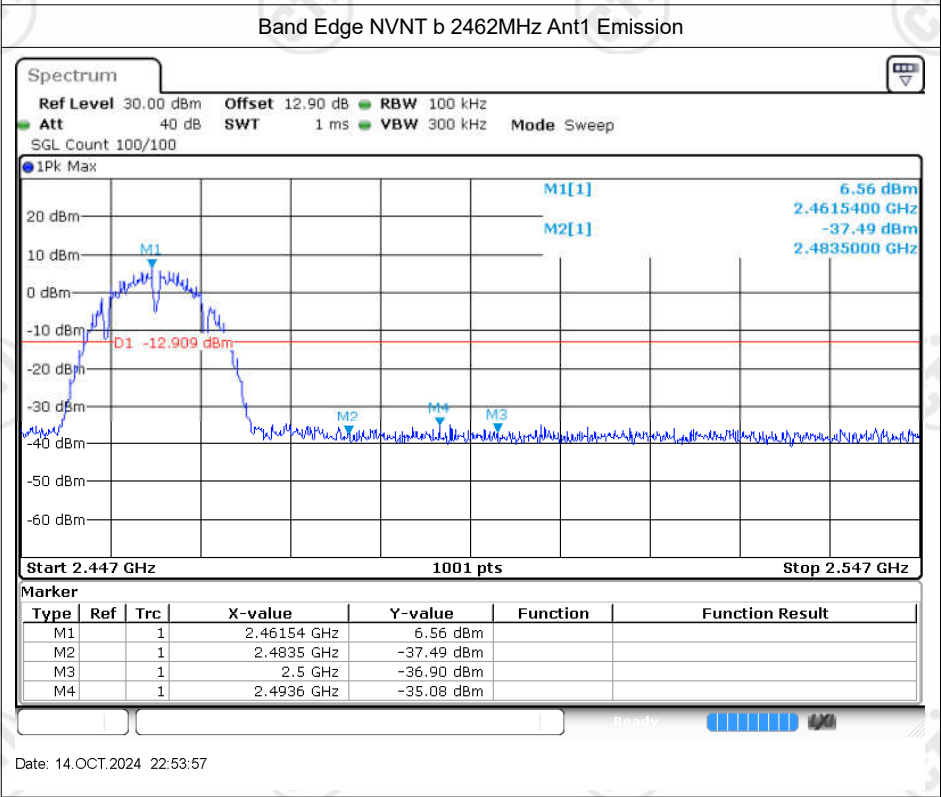
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-39.1	-20	Pass
NVNT	b	2462	Ant1	-42.16	-20	Pass
NVNT	g	2412	Ant1	-36.66	-20	Pass
NVNT	g	2462	Ant1	-38.99	-20	Pass
NVNT	n20	2412	Ant1	-35.17	-20	Pass
NVNT	n20	2462	Ant1	-41.3	-20	Pass
NVNT	n40	2422	Ant1	-32.89	-20	Pass
NVNT	n40	2452	Ant1	-34.12	-20	Pass

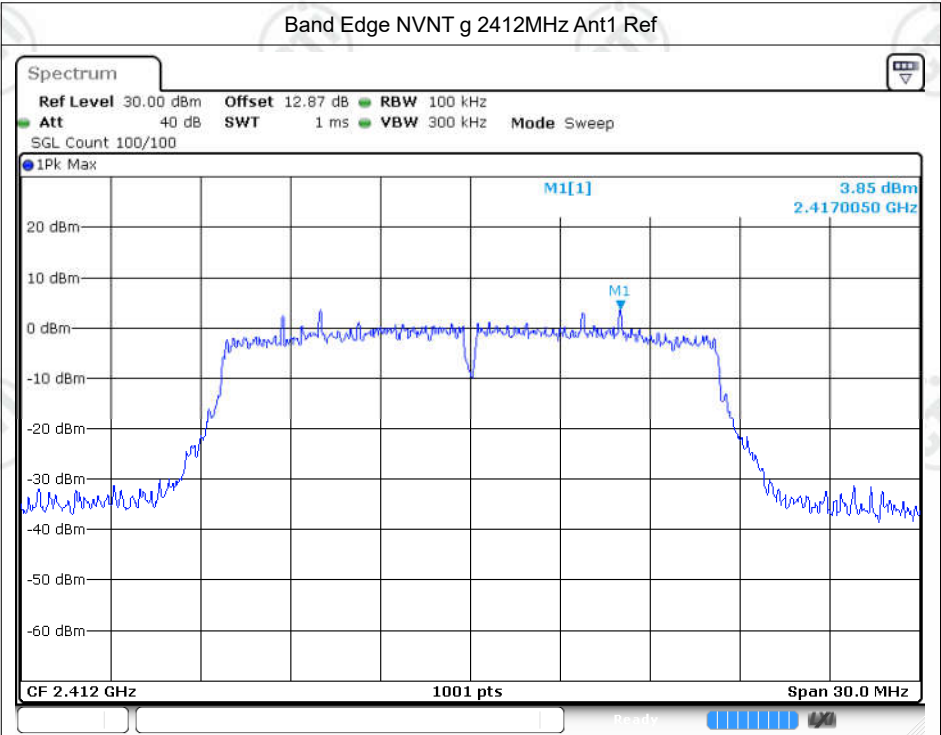




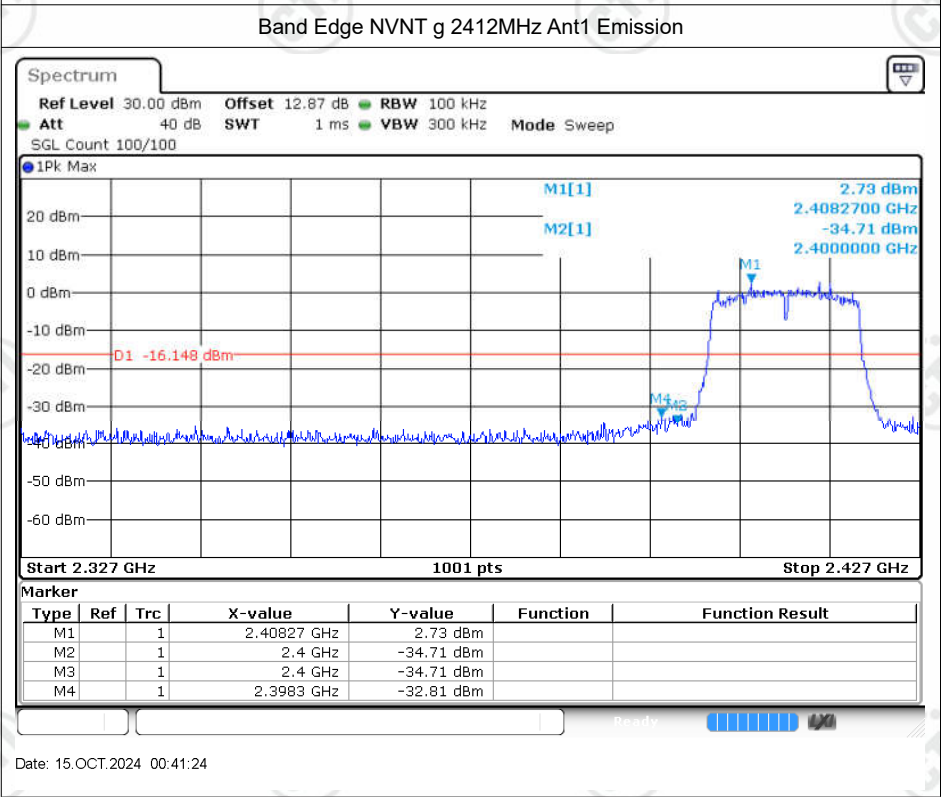
Date: 14.OCT.2024 22:53:55



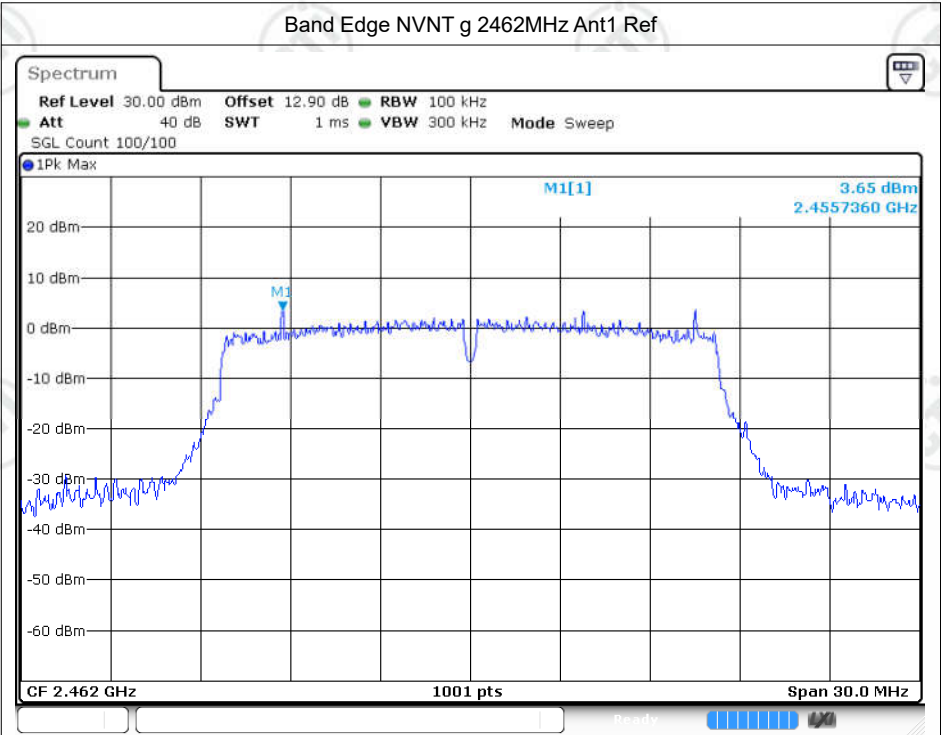
Date: 14.OCT.2024 22:53:57



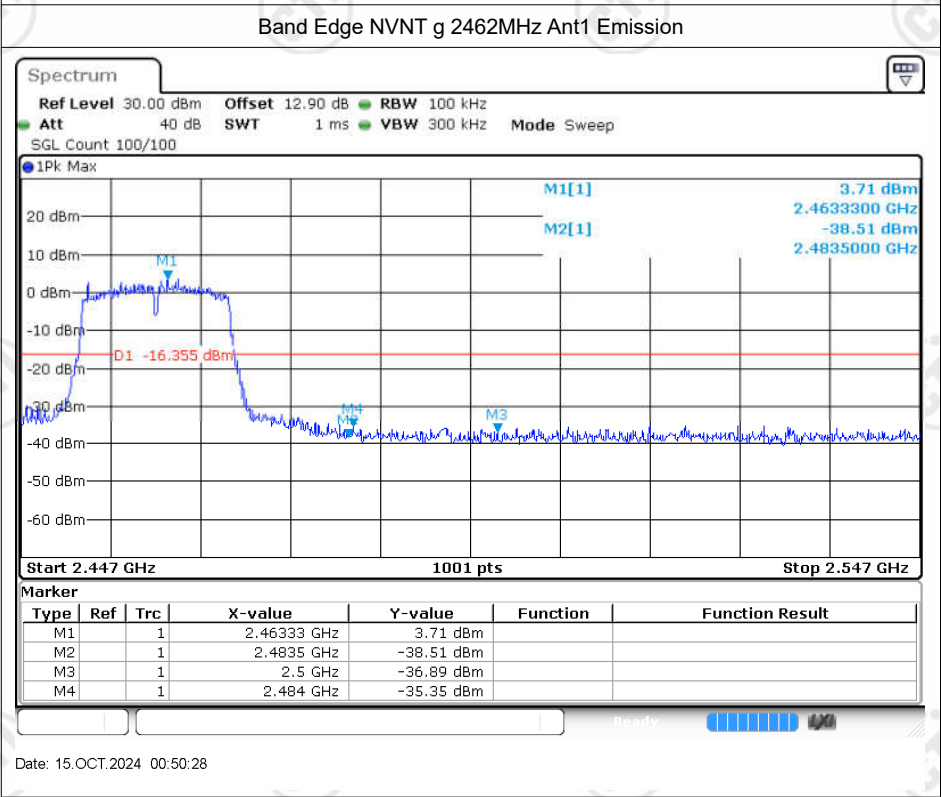
Date: 15.OCT.2024 00:41:22



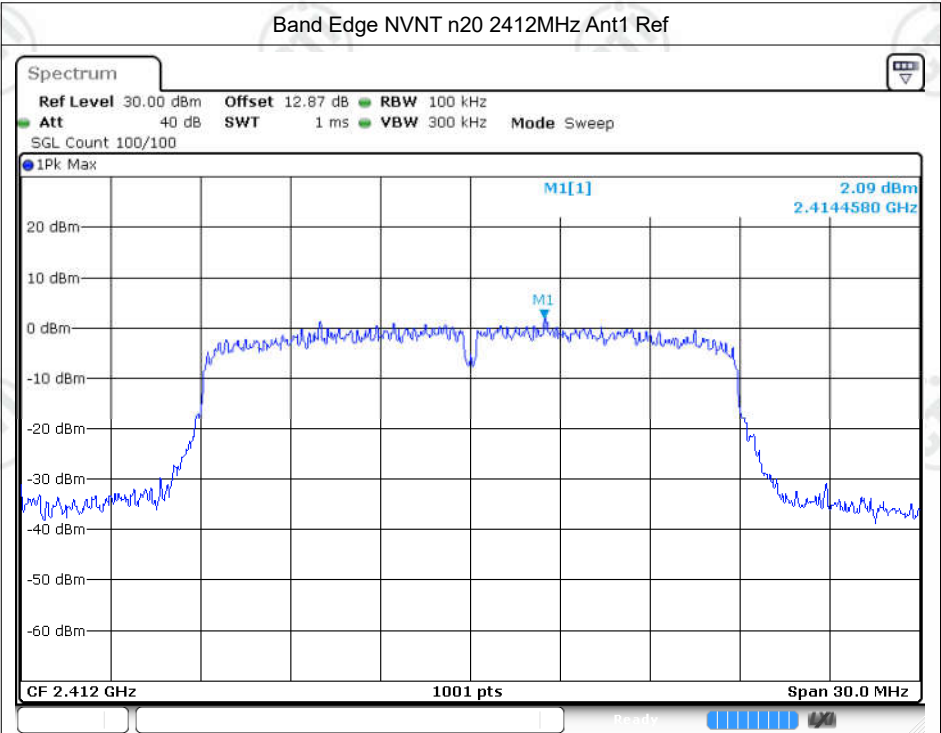
Date: 15.OCT.2024 00:41:24



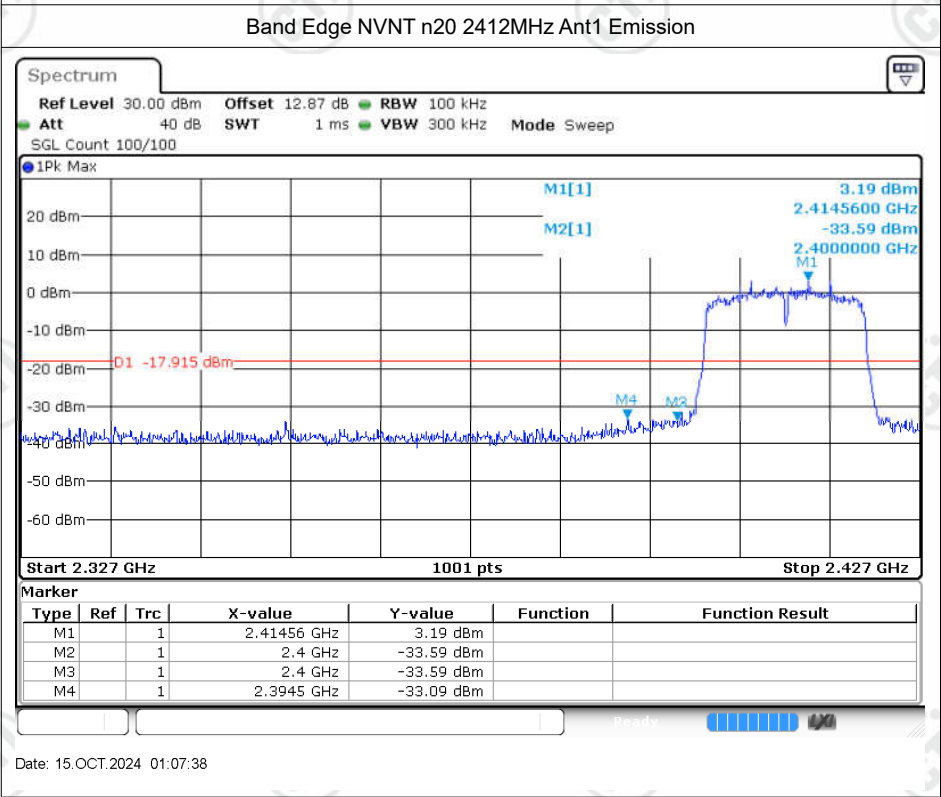
Date: 15.OCT.2024 00:50:26



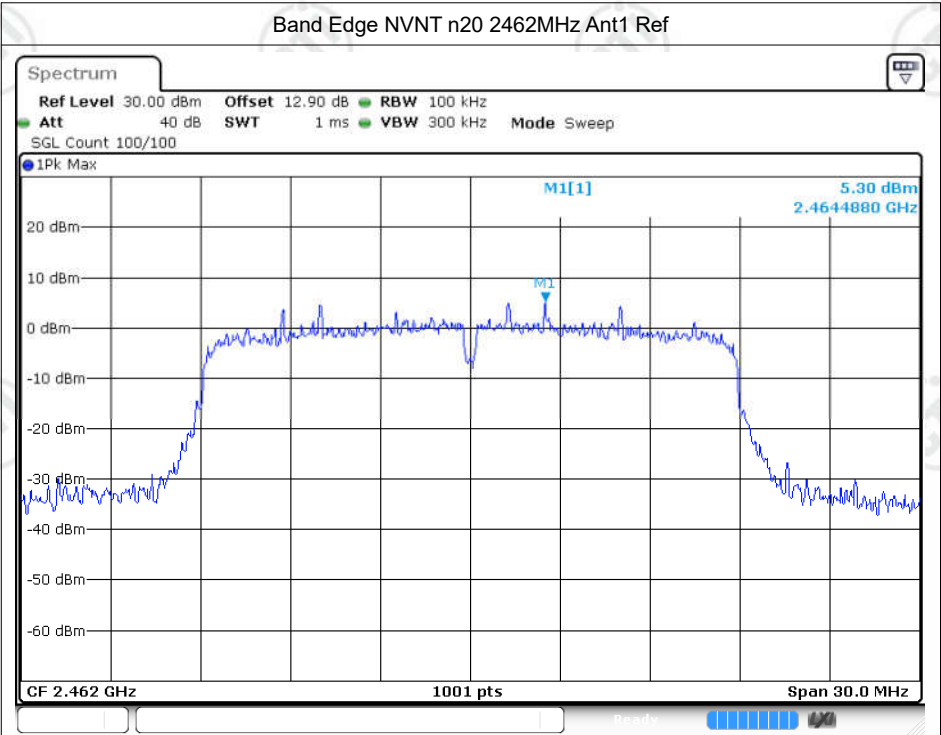
Date: 15.OCT.2024 00:50:28



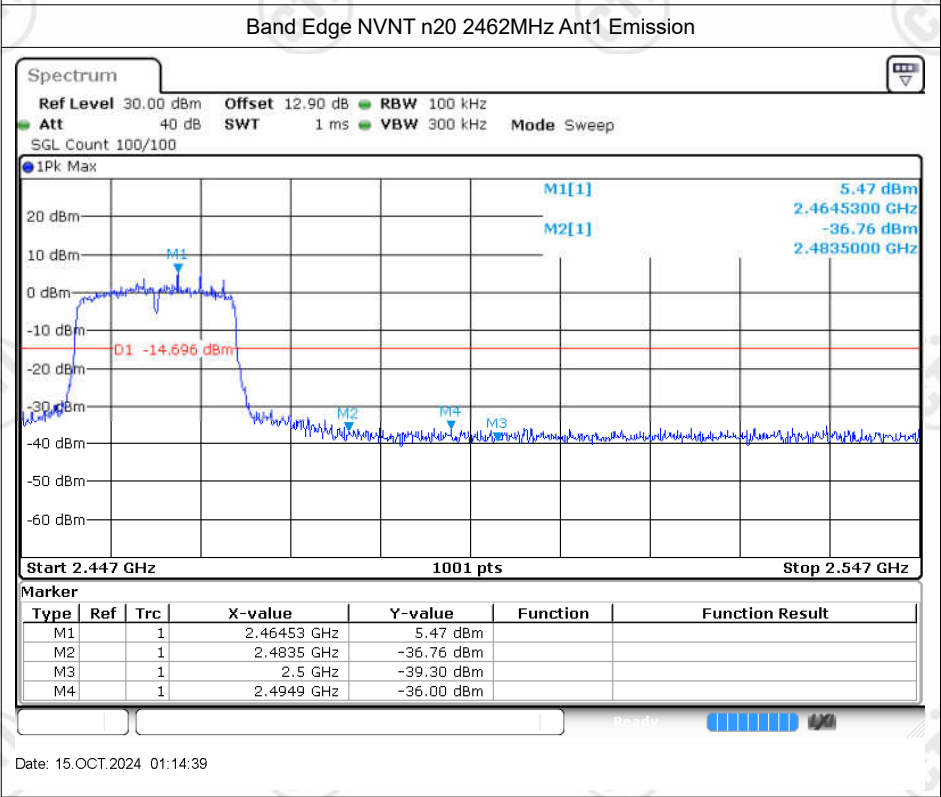
Date: 15.OCT.2024 01:07:36



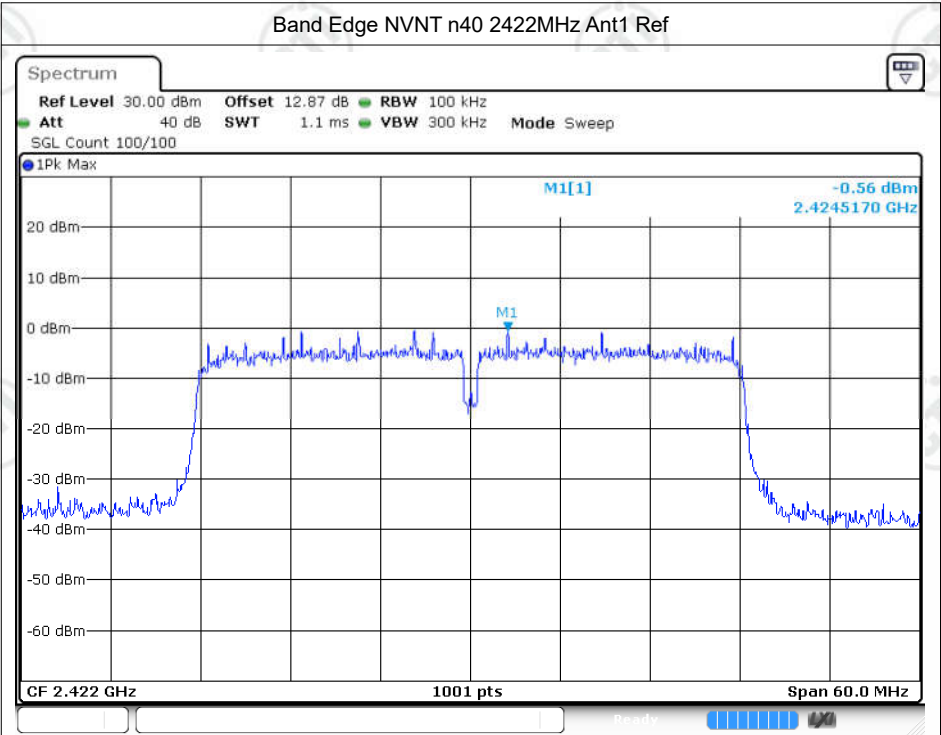
Date: 15.OCT.2024 01:07:38



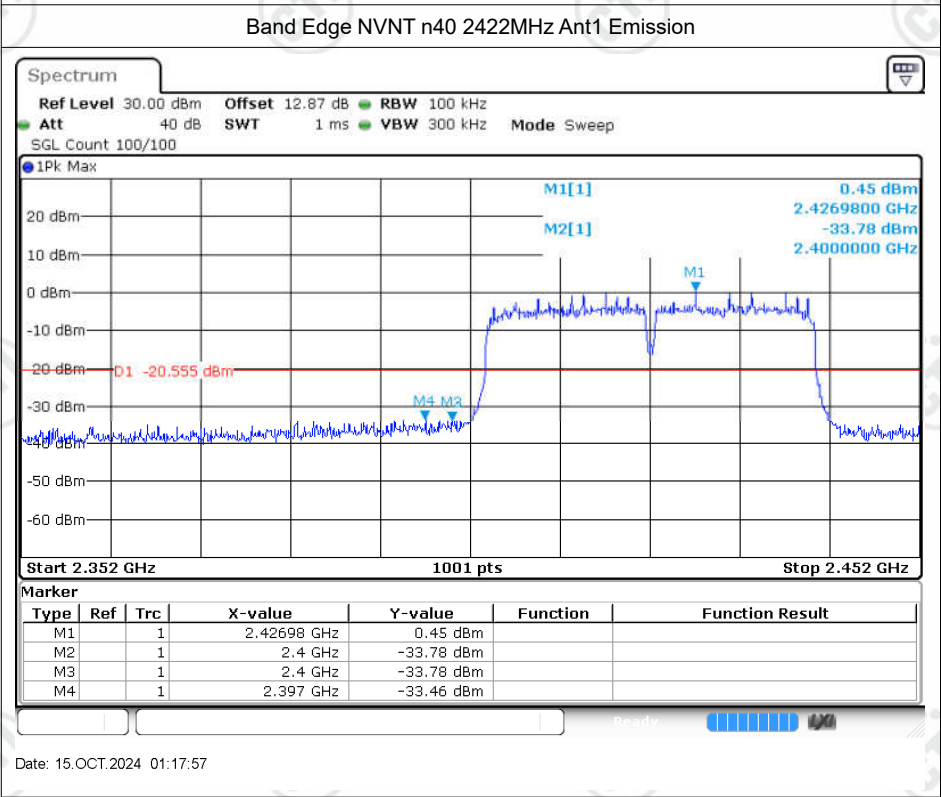
Date: 15.OCT.2024 01:14:38



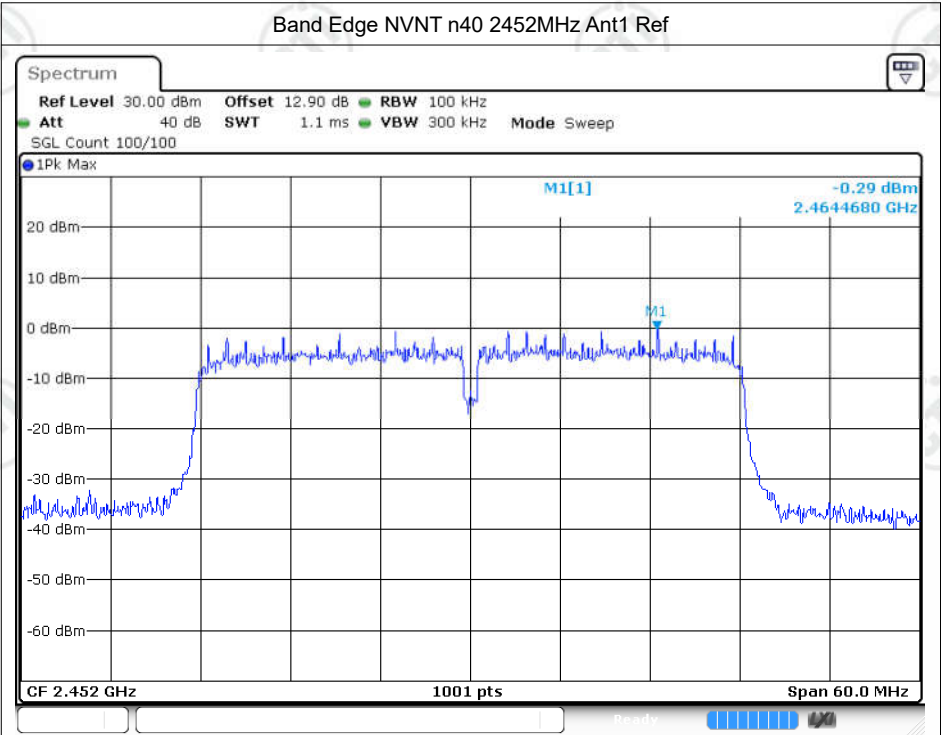
Date: 15.OCT.2024 01:14:39



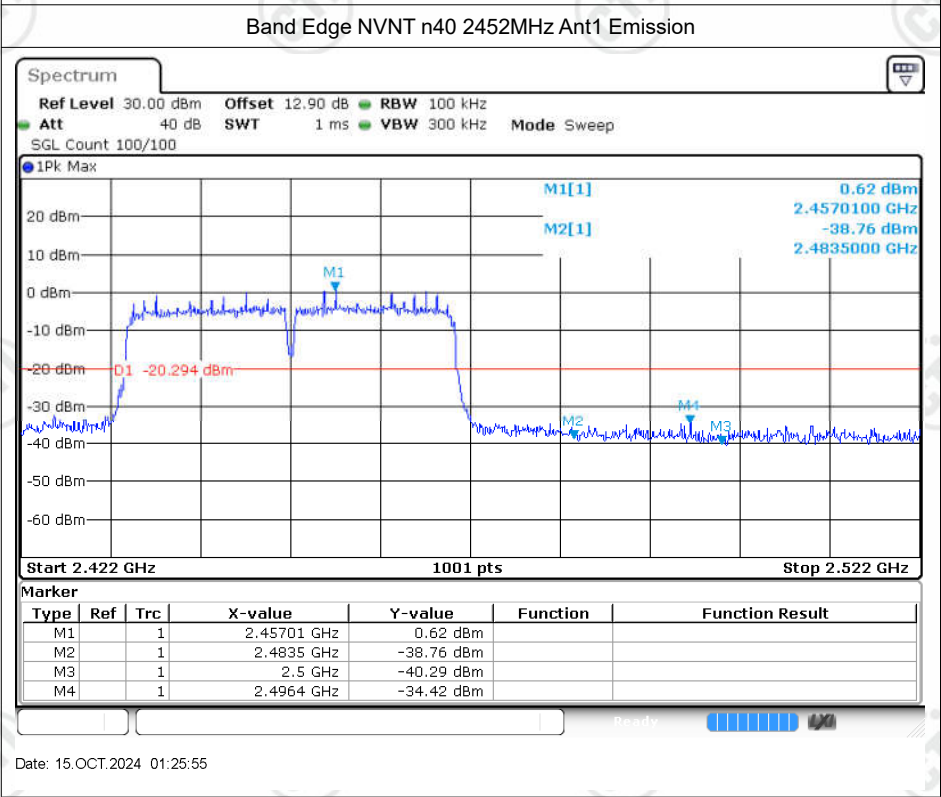
Date: 15.OCT.2024 01:17:56



Date: 15.OCT.2024 01:17:57



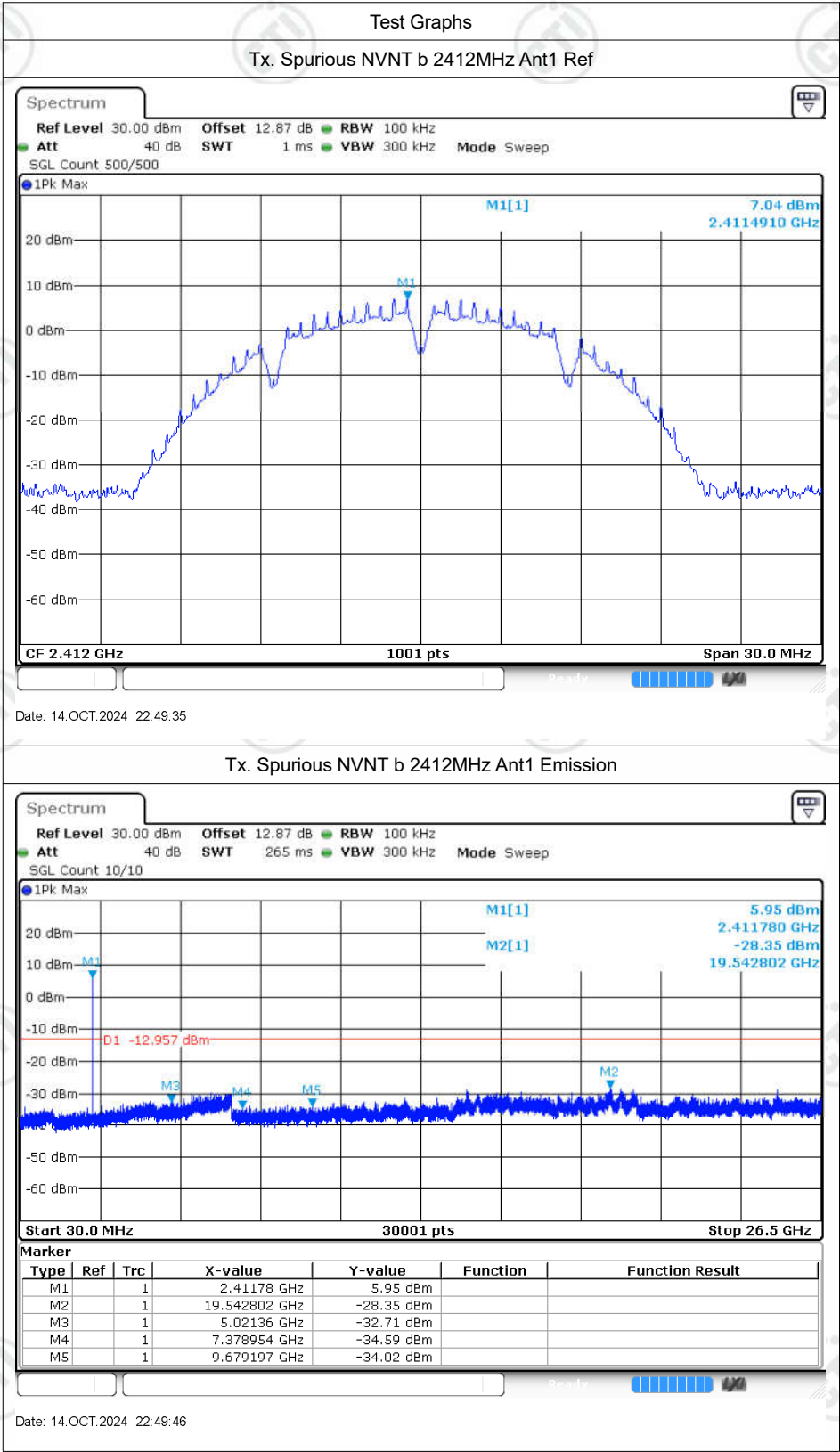
Date: 15.OCT.2024 01:25:54

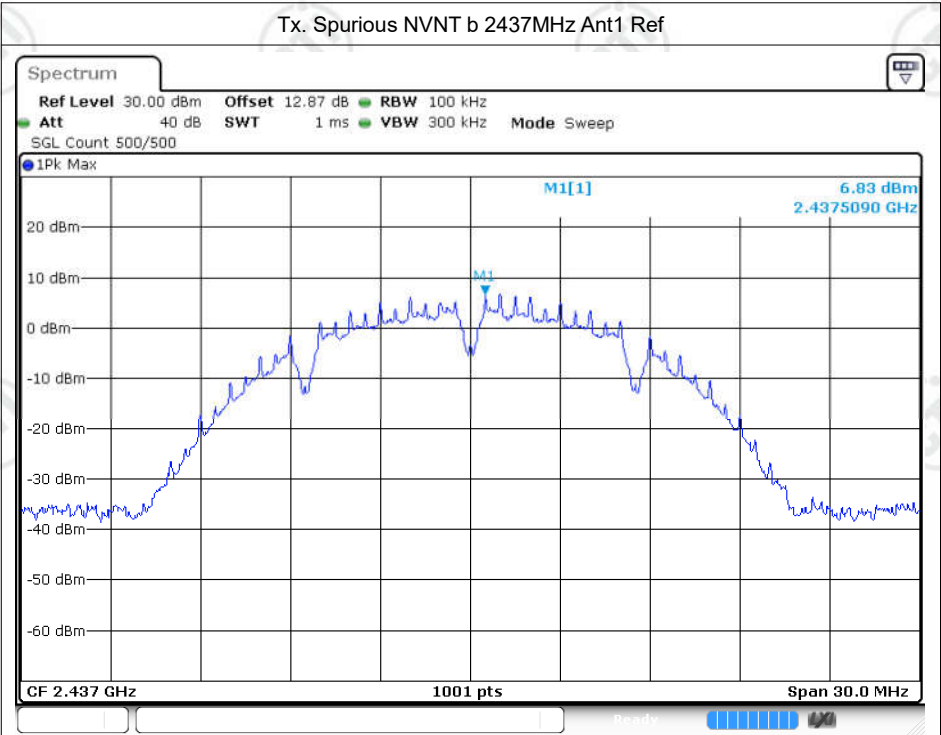


Date: 15.OCT.2024 01:25:55

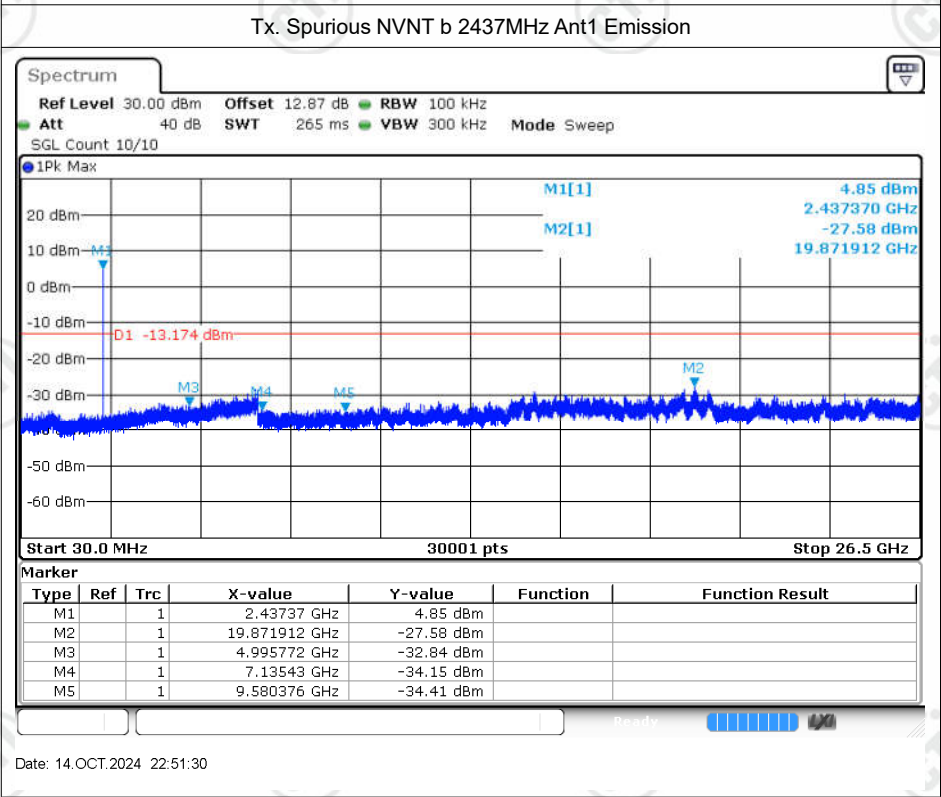
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-35.38	-20	Pass
NVNT	b	2437	Ant1	-34.41	-20	Pass
NVNT	b	2462	Ant1	-36.09	-20	Pass
NVNT	g	2412	Ant1	-32.1	-20	Pass
NVNT	g	2437	Ant1	-32.55	-20	Pass
NVNT	g	2462	Ant1	-33.99	-20	Pass
NVNT	n20	2412	Ant1	-31.96	-20	Pass
NVNT	n20	2437	Ant1	-33.05	-20	Pass
NVNT	n20	2462	Ant1	-33.16	-20	Pass
NVNT	n40	2422	Ant1	-28.8	-20	Pass
NVNT	n40	2437	Ant1	-29.03	-20	Pass
NVNT	n40	2452	Ant1	-29.48	-20	Pass

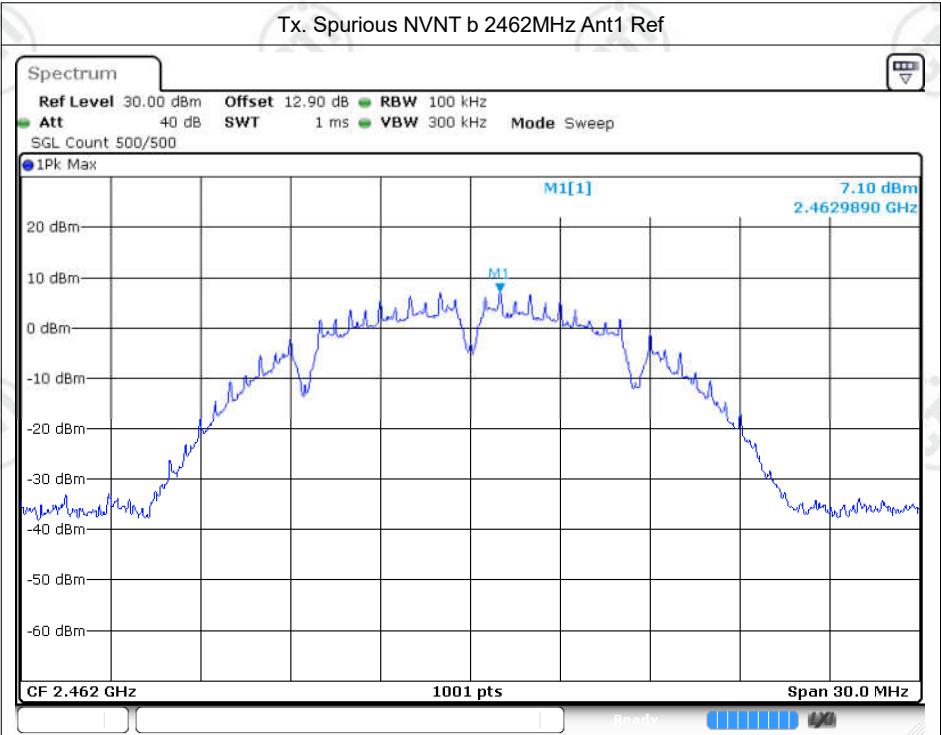




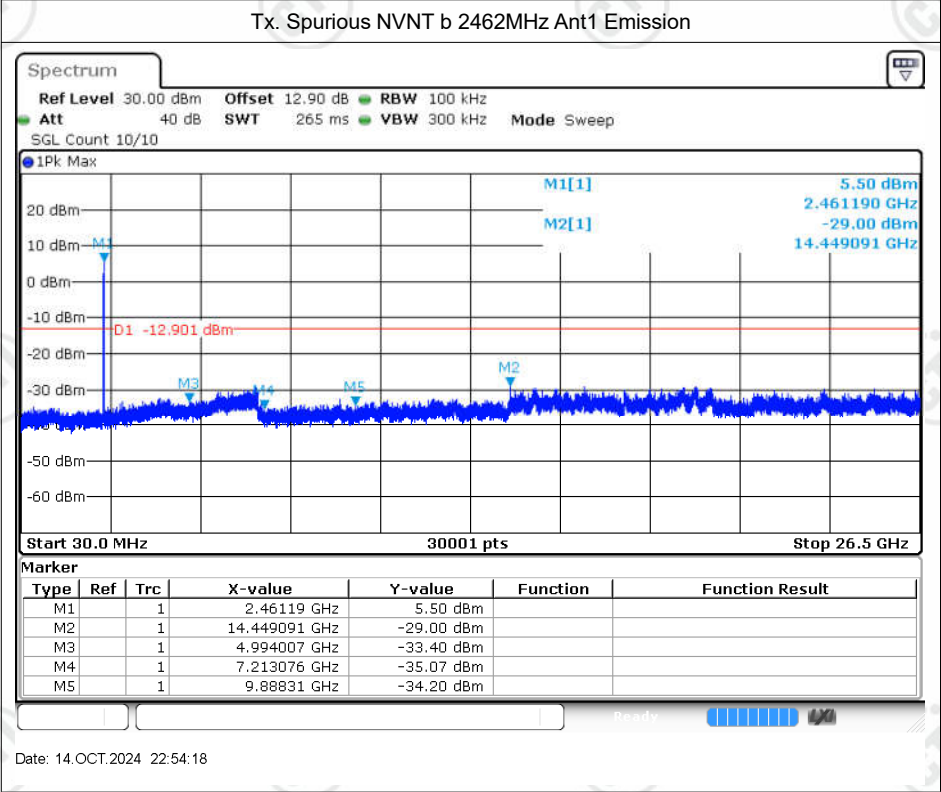
Date: 14.OCT.2024 22:51:18



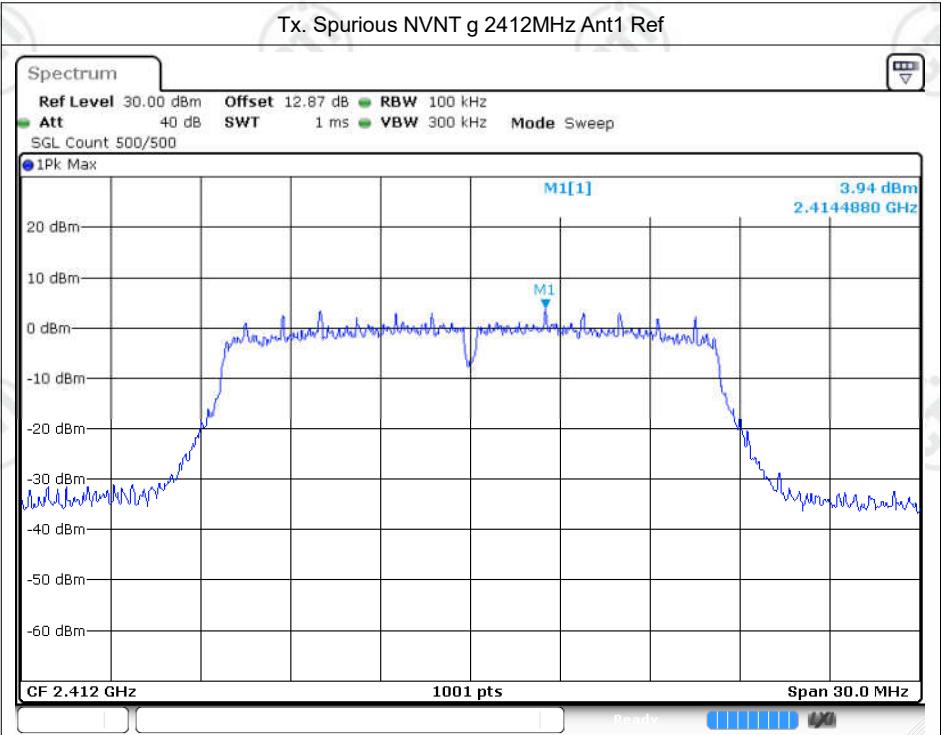
Date: 14.OCT.2024 22:51:30



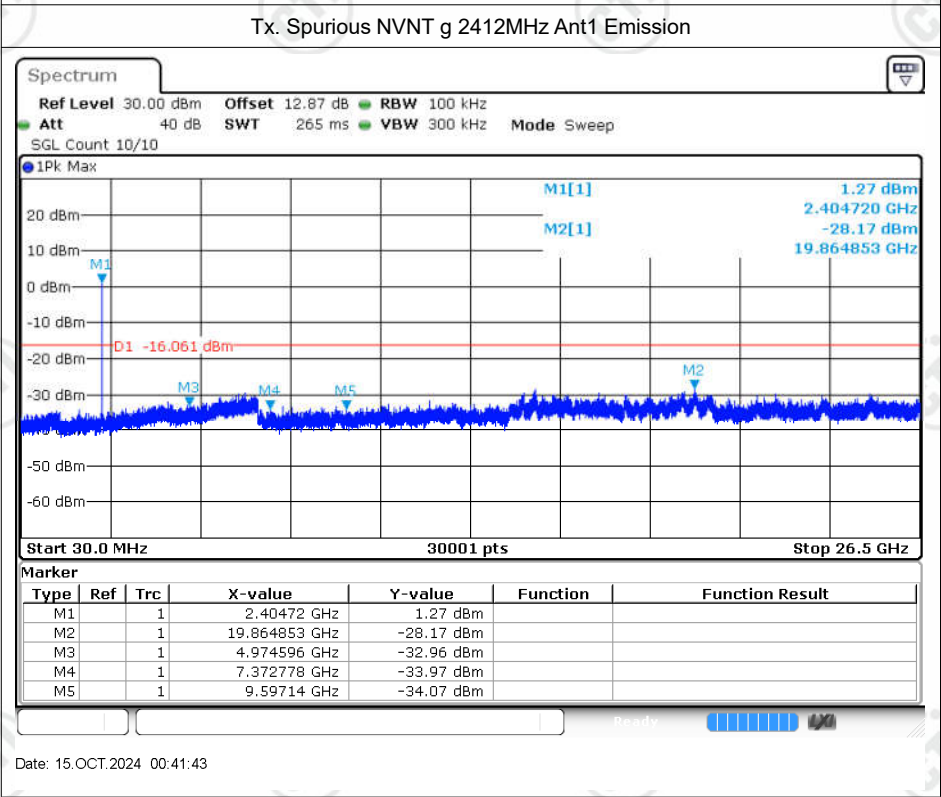
Date: 14.OCT.2024 22:54:07

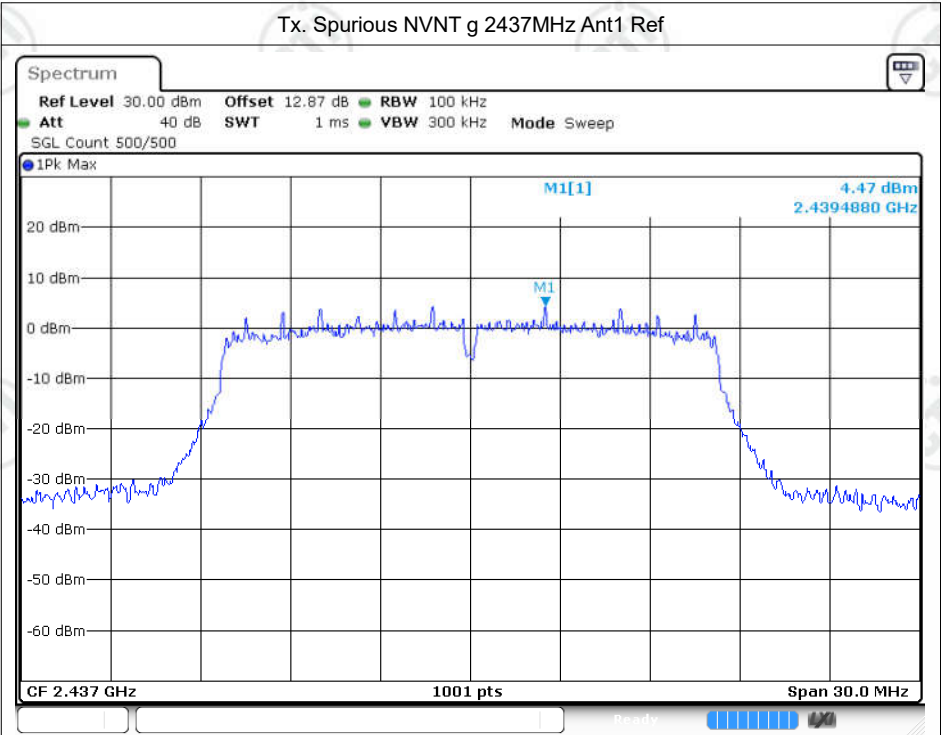


Date: 14.OCT.2024 22:54:18

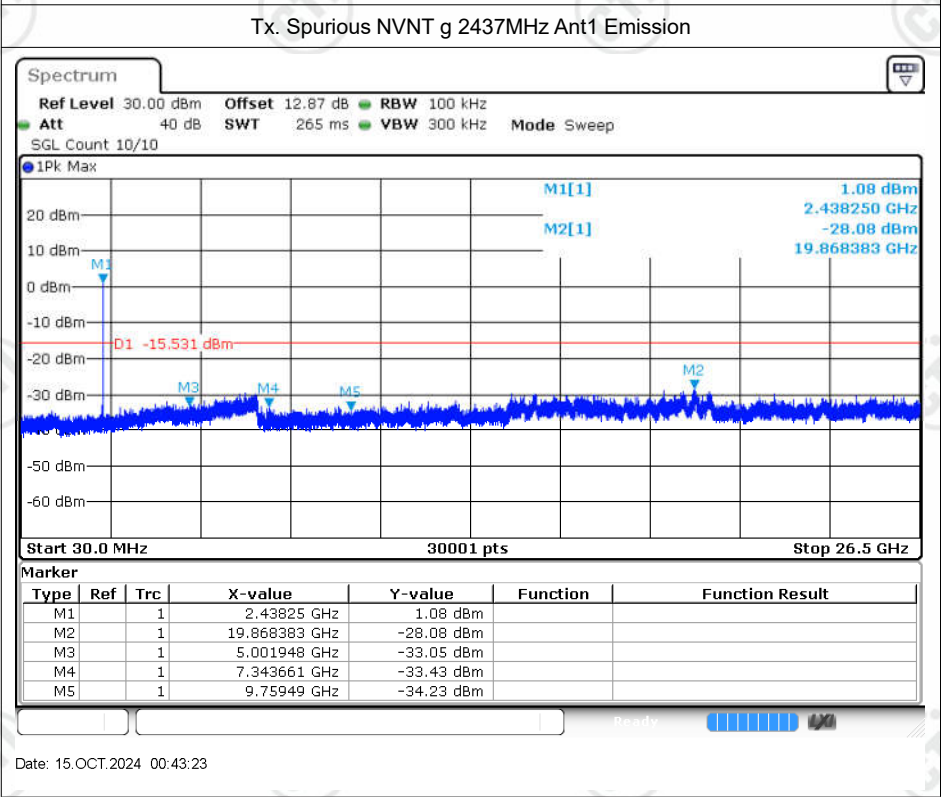


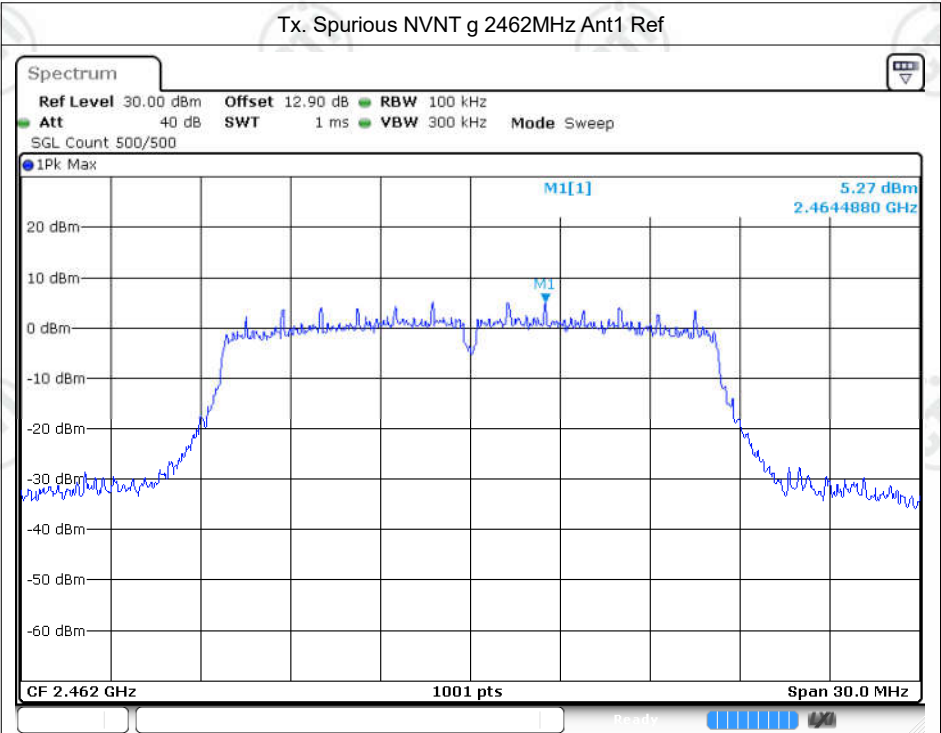
Date: 15.OCT.2024 00:41:31



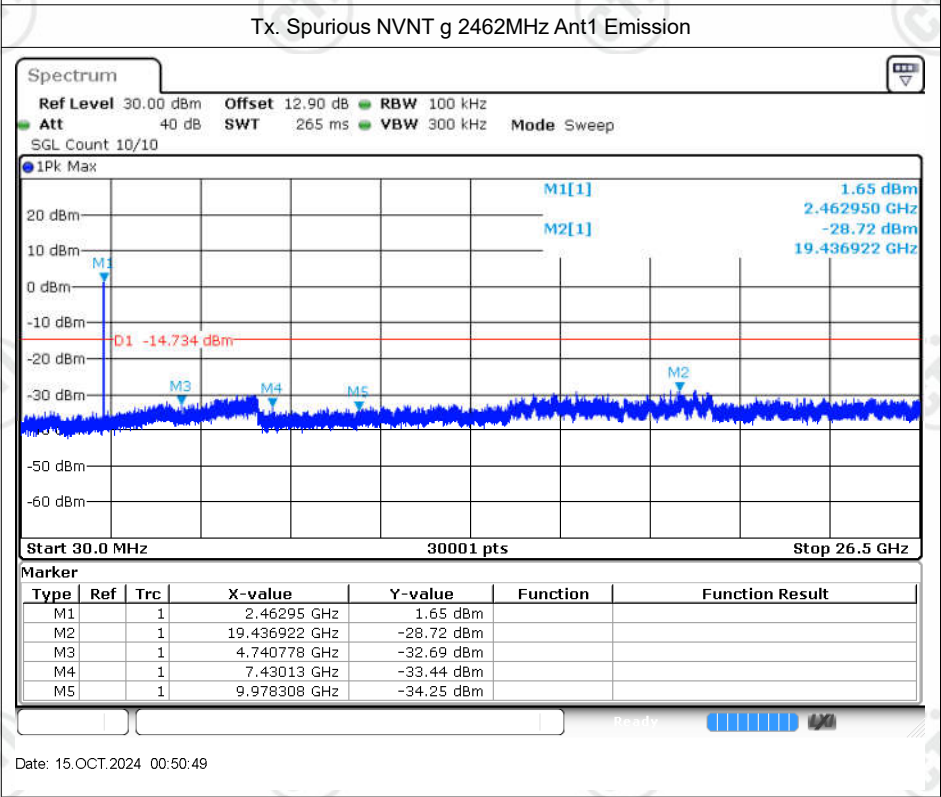


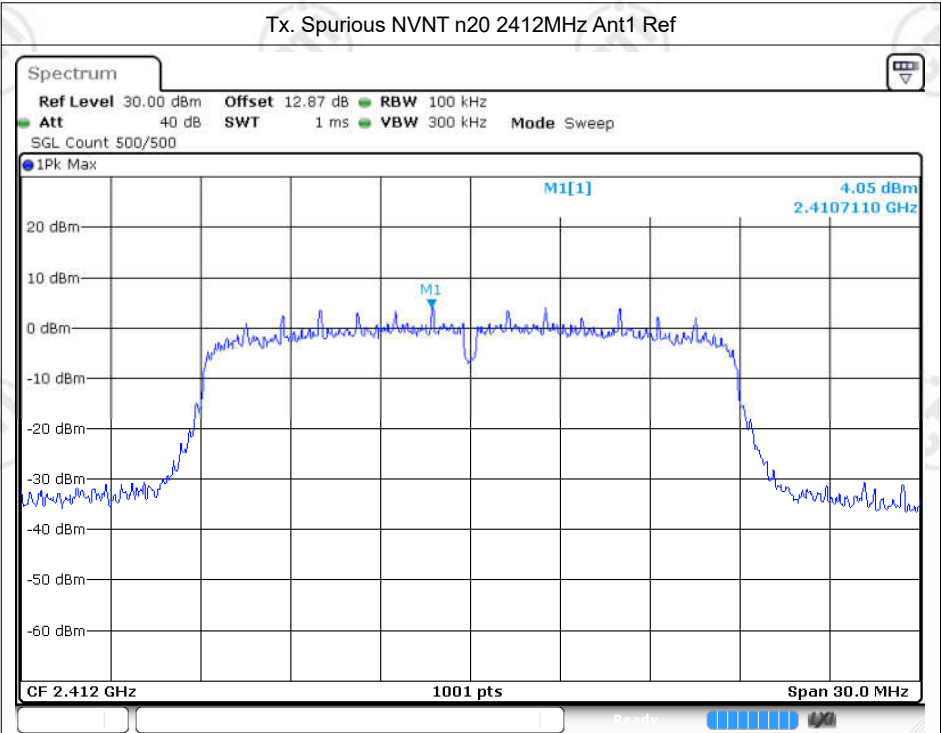
Date: 15.OCT.2024 00:43:12



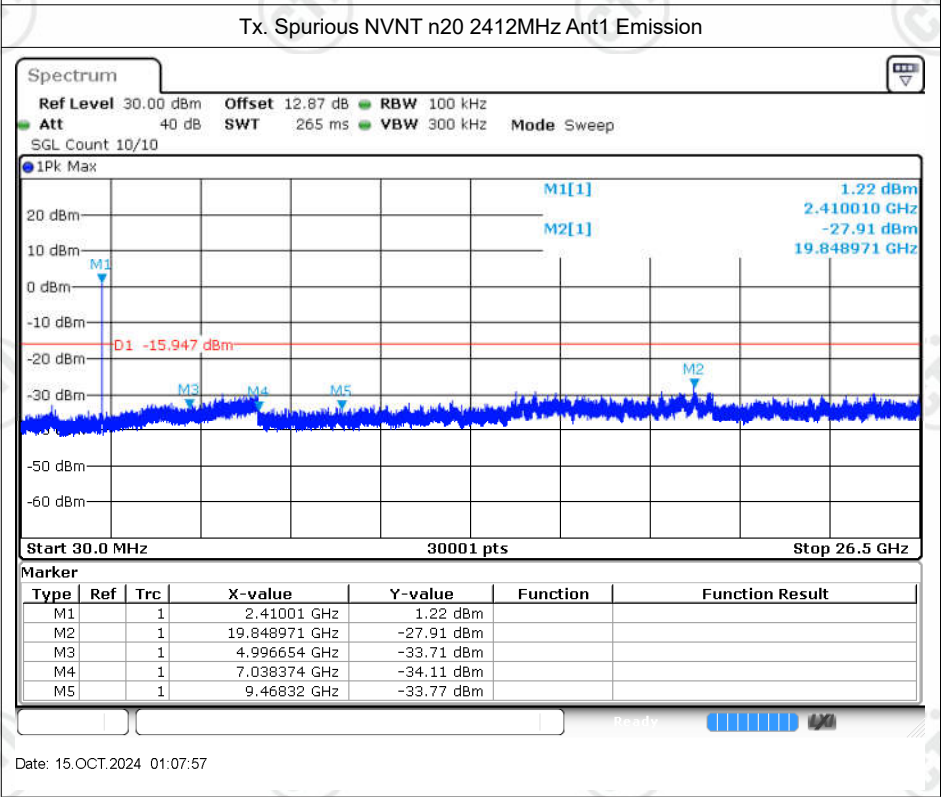


Date: 15.OCT.2024 00:50:38

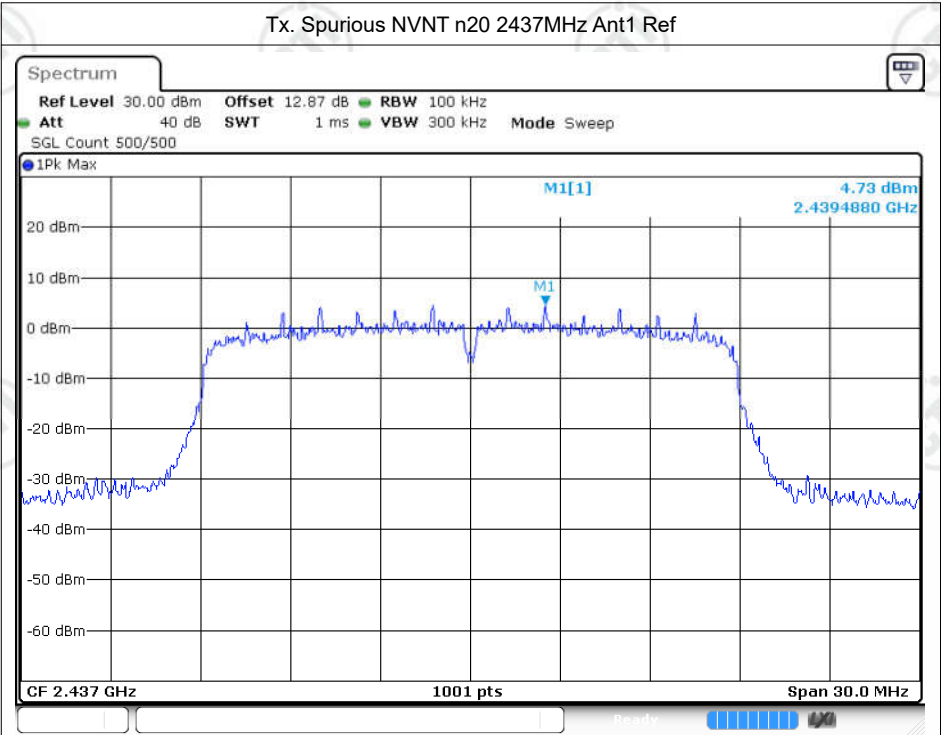




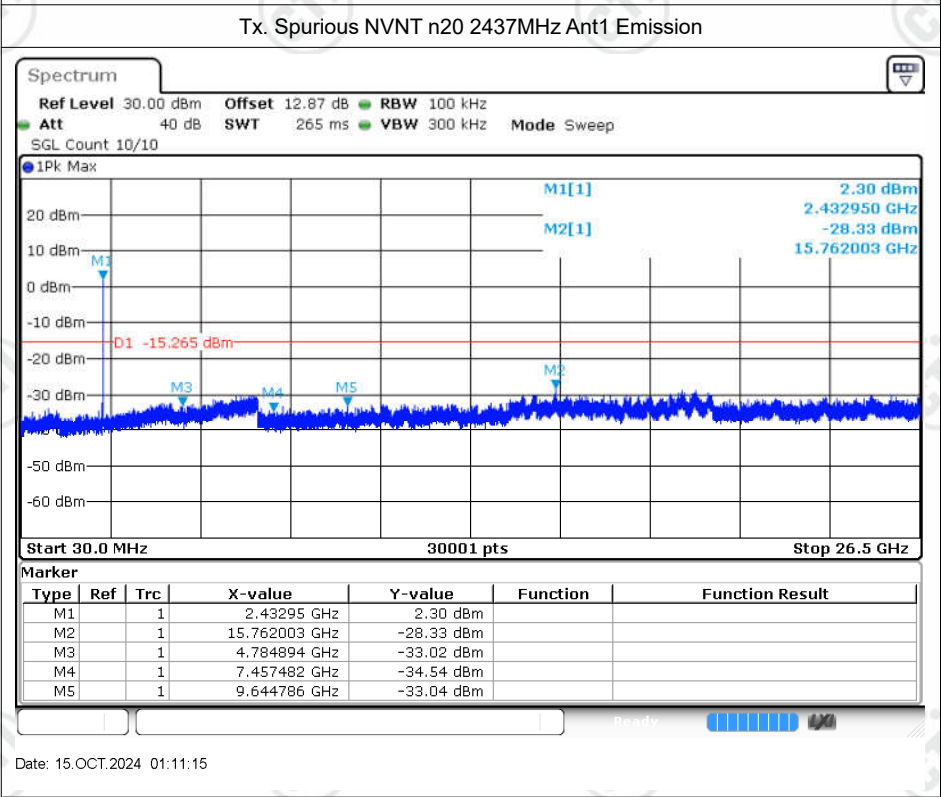
Date: 15.OCT.2024 01:07:46



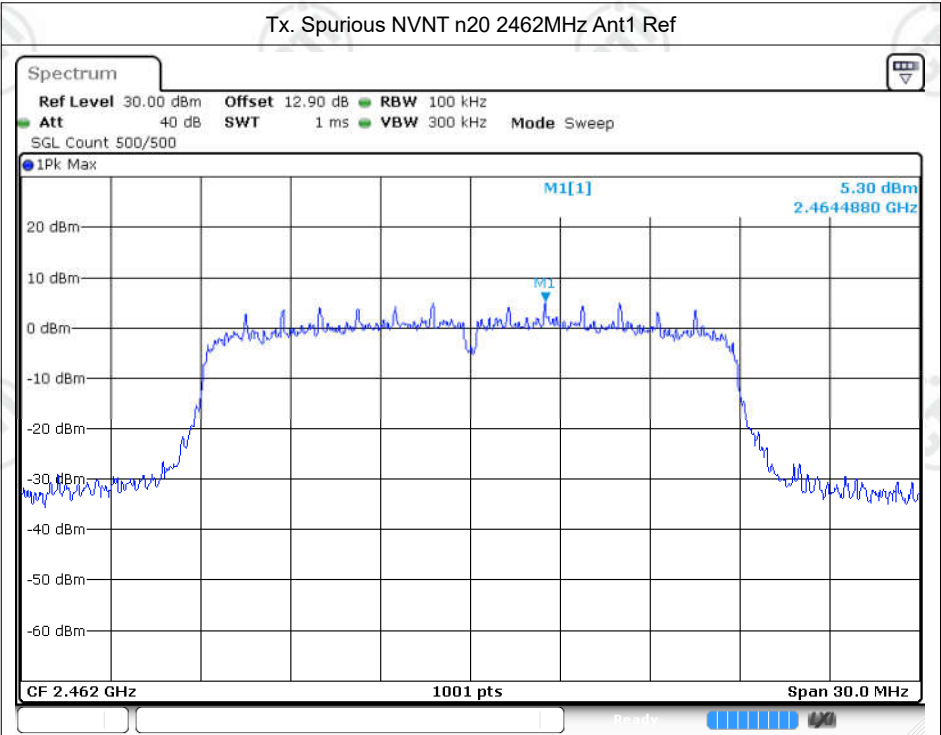
Date: 15.OCT.2024 01:07:57



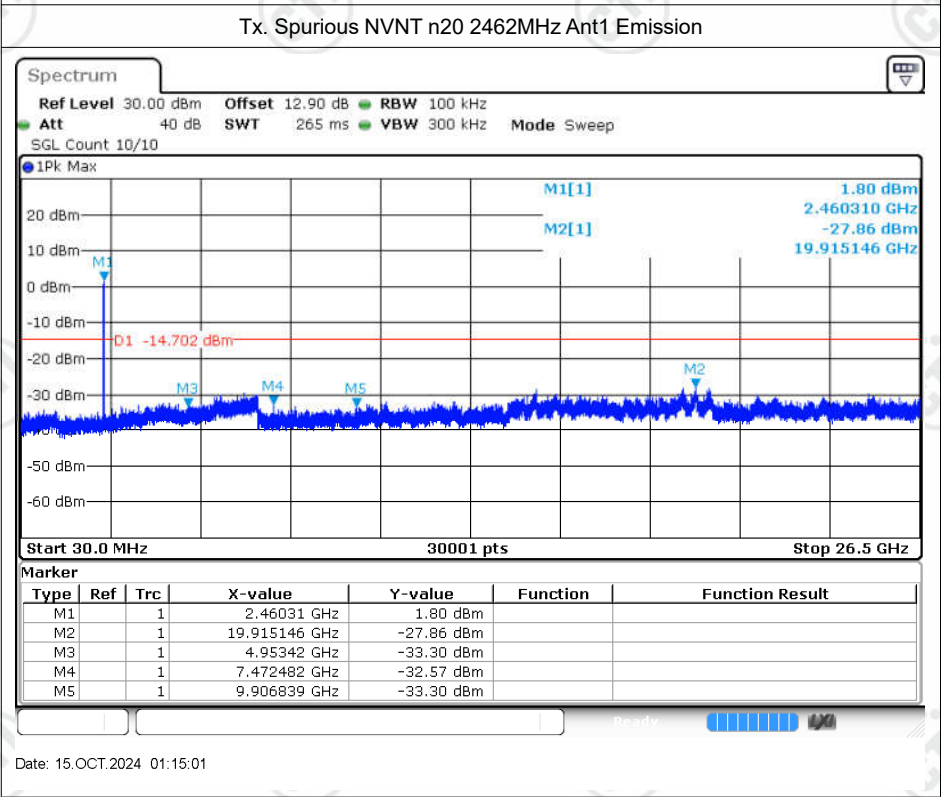
Date: 15.OCT.2024 01:11:04



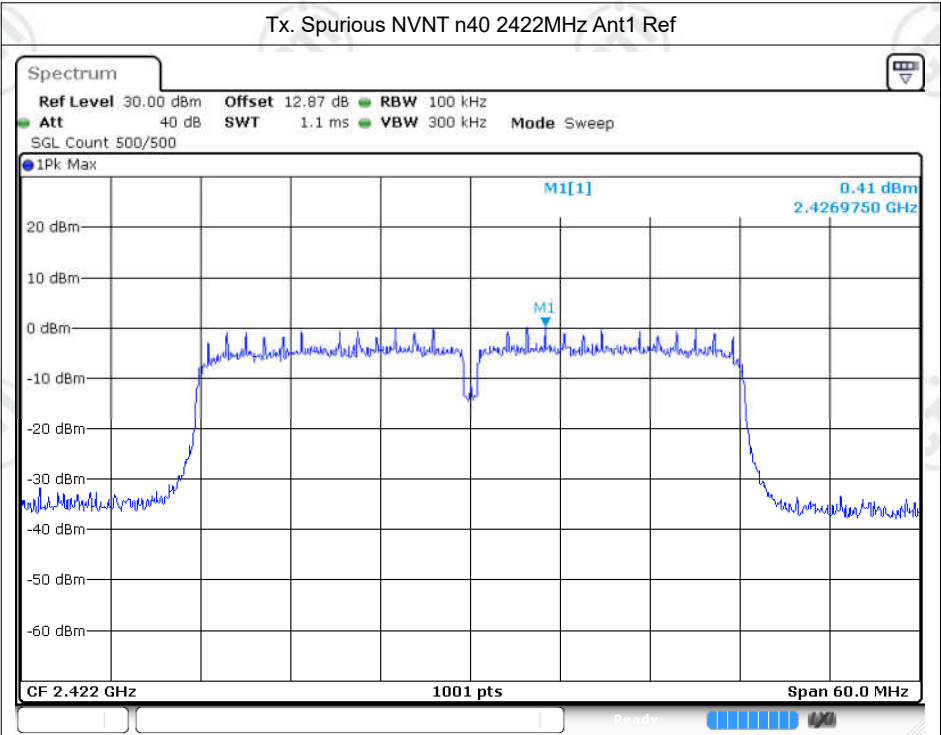
Date: 15.OCT.2024 01:11:15



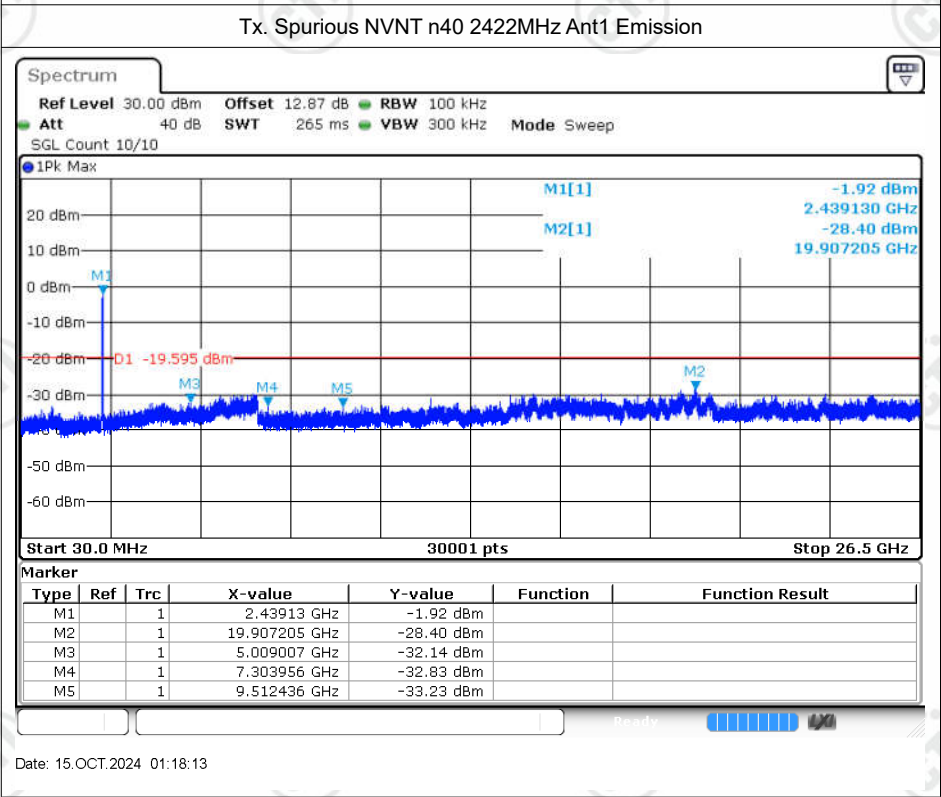
Date: 15.OCT.2024 01:14:50

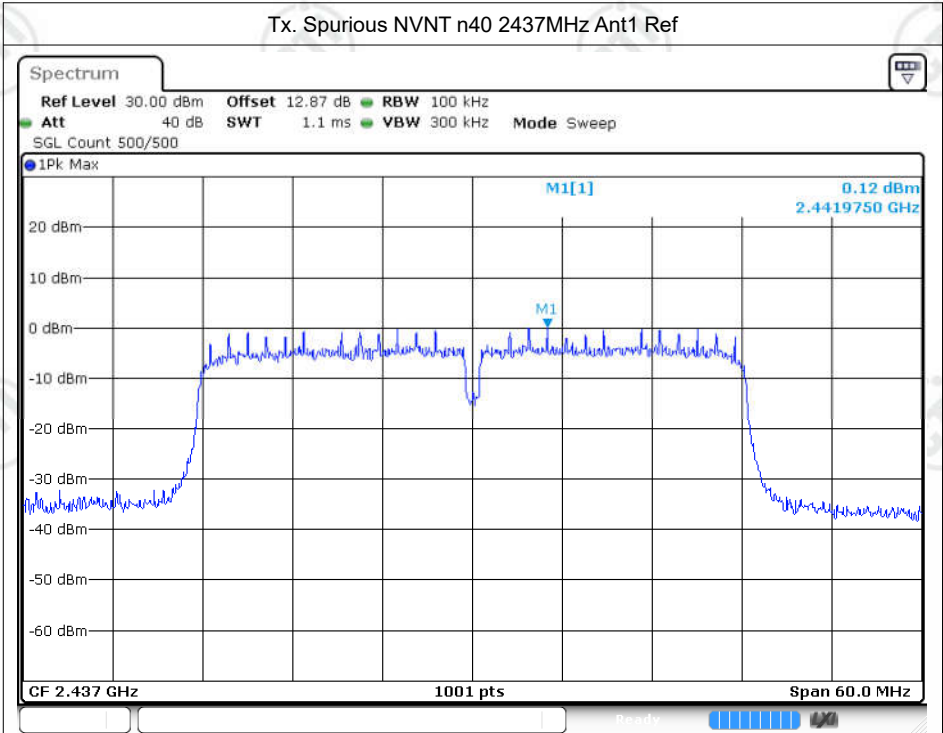


Date: 15.OCT.2024 01:15:01

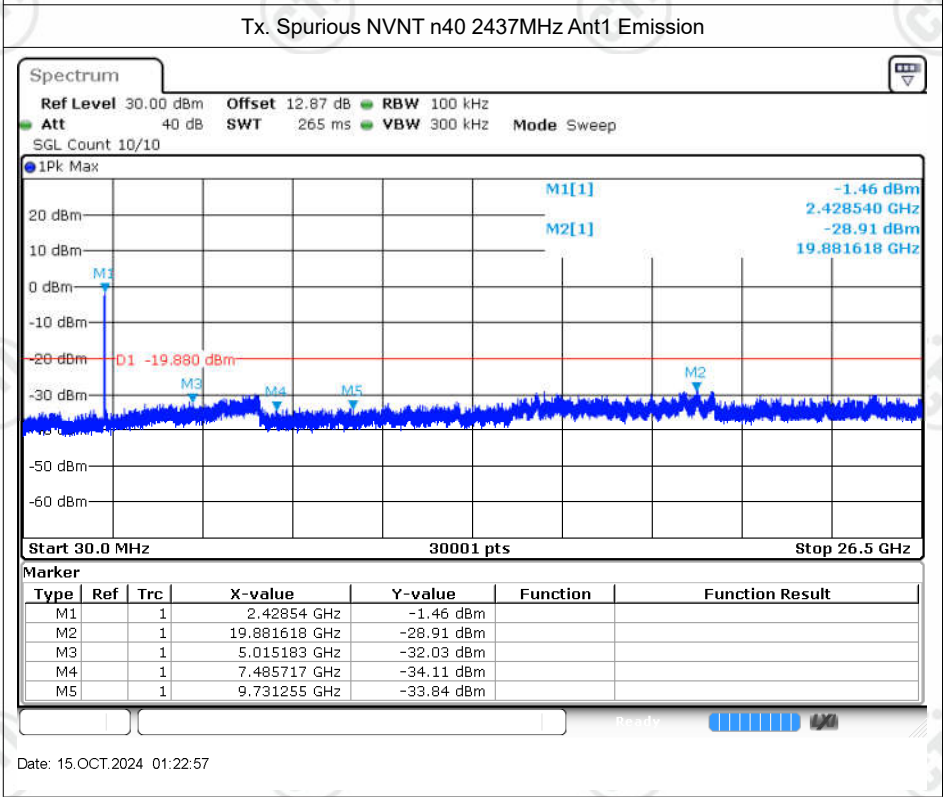


Date: 15.OCT.2024 01:18:01

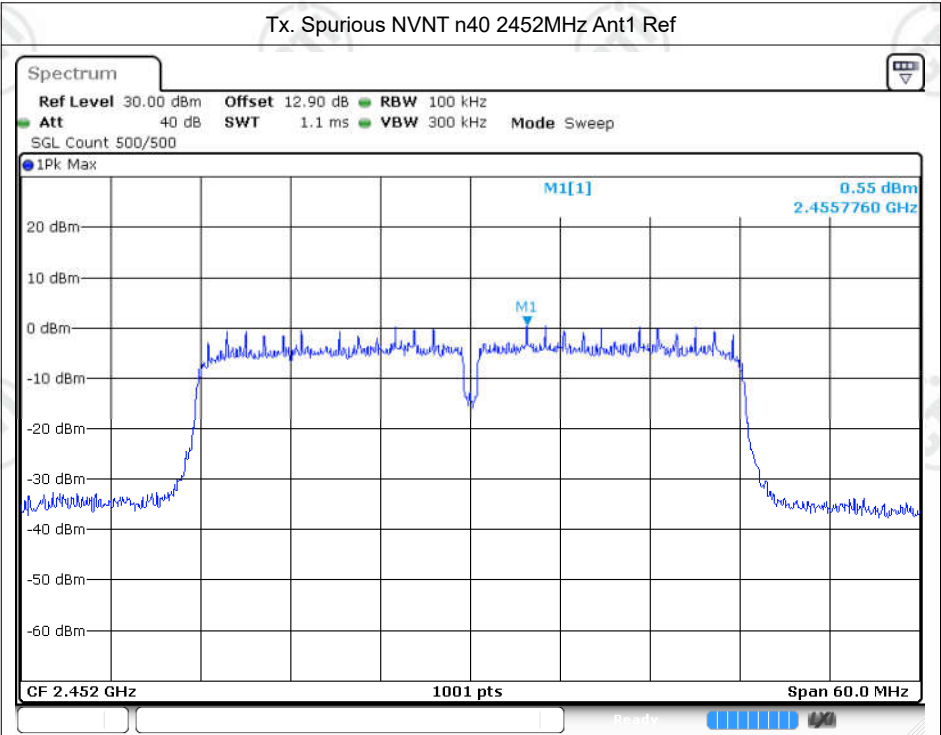




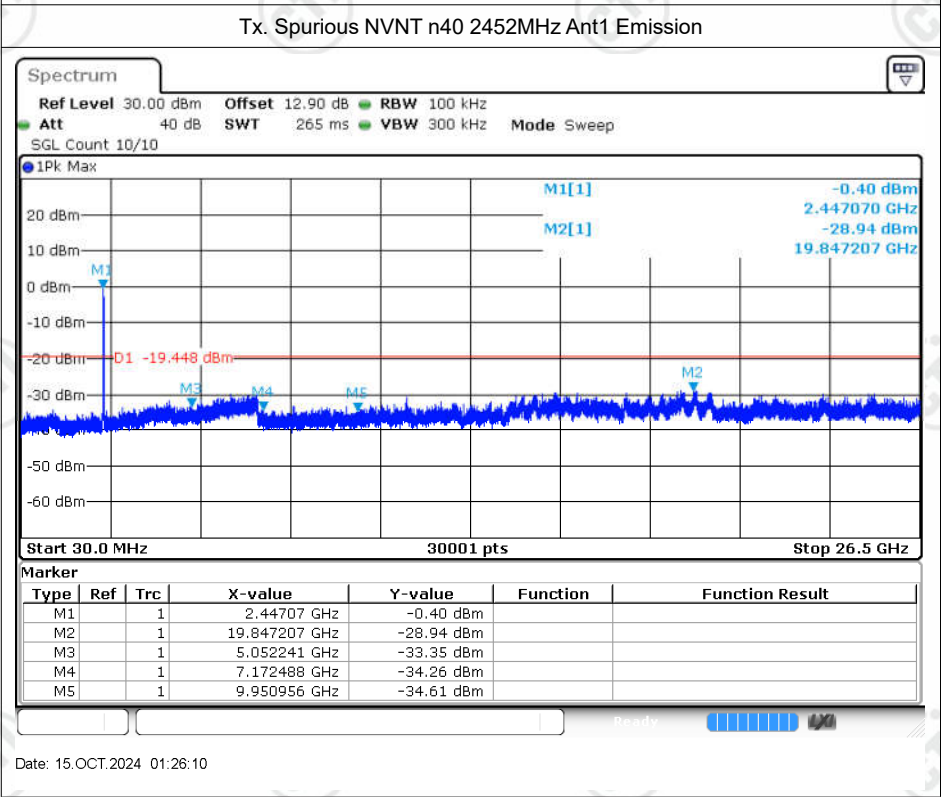
Date: 15.OCT.2024 01:22:46



Date: 15.OCT.2024 01:22:57



Date: 15.OCT.2024 01:25:59



END OF REPORT