

Appendix: 2.4G WIFI

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 9

-6dB Bandwidth 10

Occupied Channel Bandwidth 16

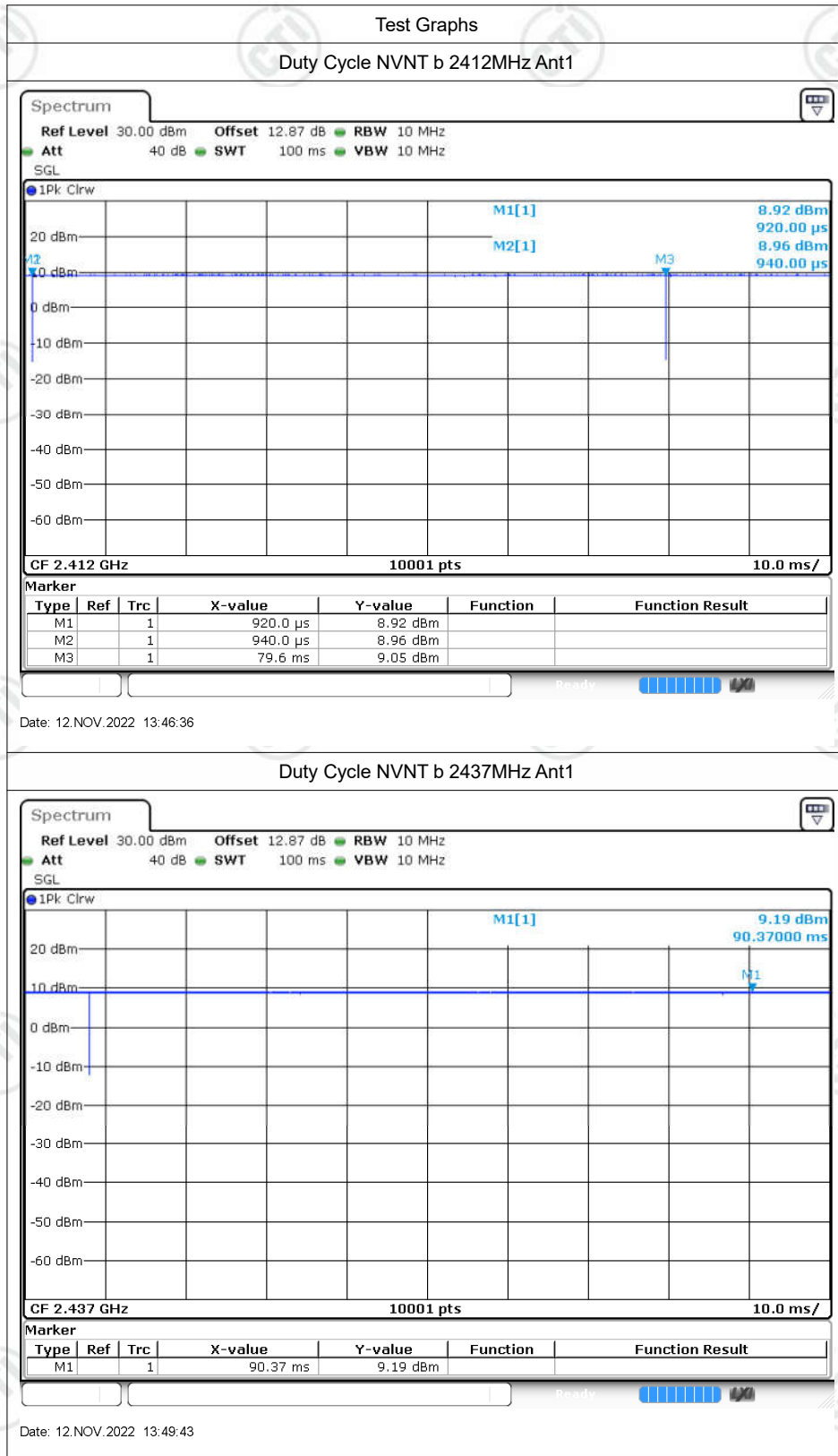
Maximum Power Spectral Density Level 22

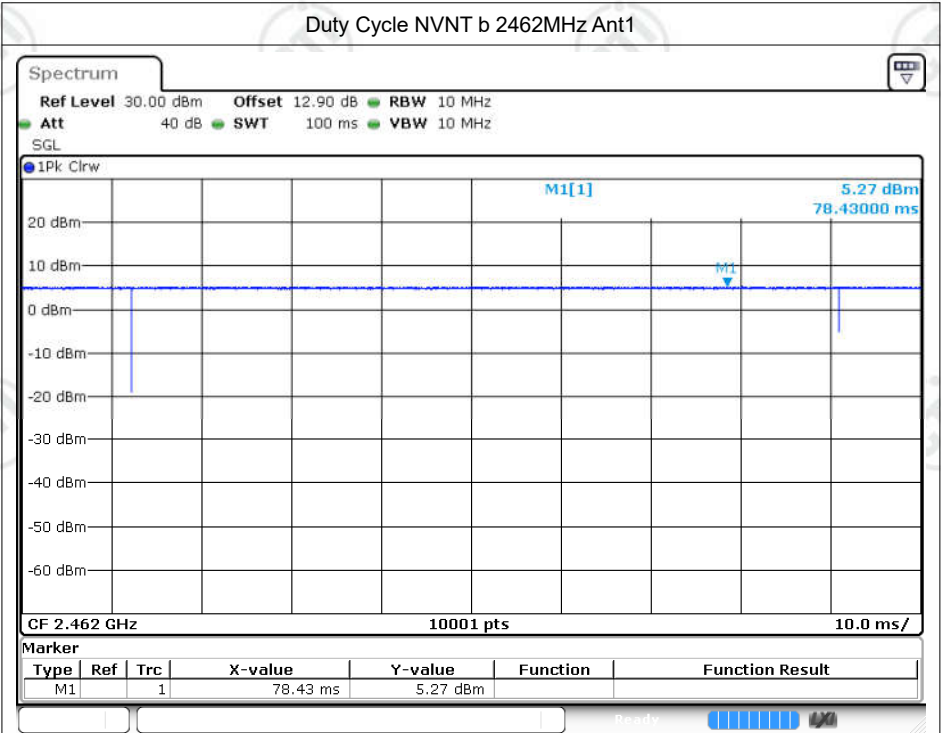
Band Edge 28

Conducted RF Spurious Emission 35

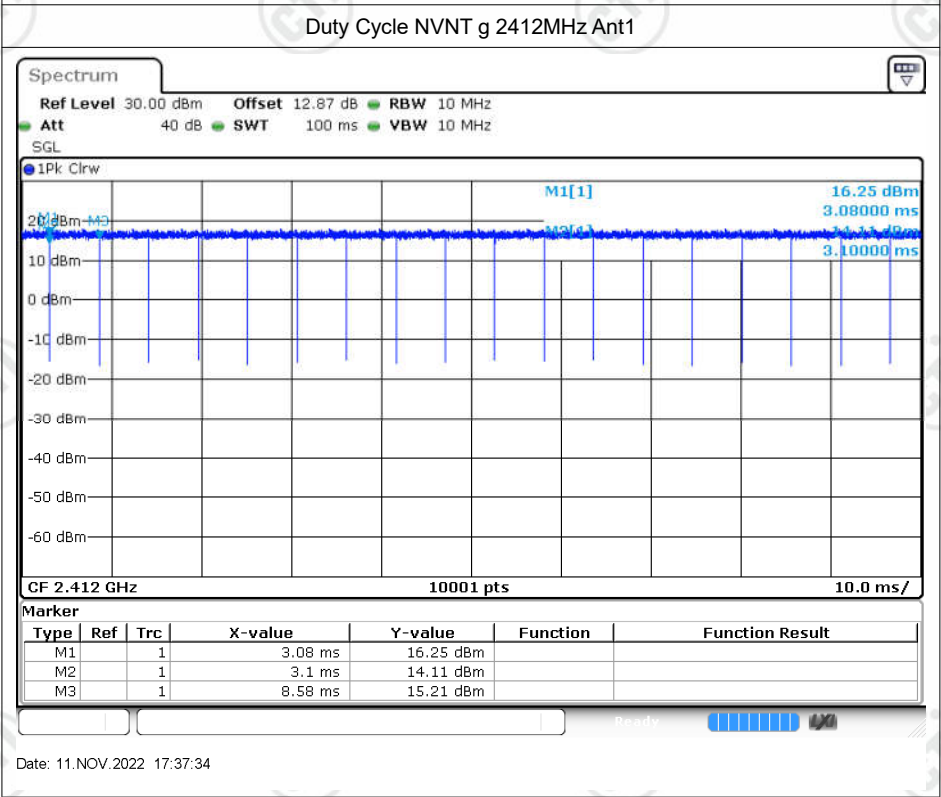
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.97	0	0.01
NVNT	b	2437	Ant1	99.99	0	0
NVNT	b	2462	Ant1	99.99	0	0
NVNT	g	2412	Ant1	99.64	0	0.18
NVNT	g	2437	Ant1	99.64	0	0.18
NVNT	g	2462	Ant1	99.64	0	0.18
NVNT	n20	2412	Ant1	99.8	0	0.1
NVNT	n20	2437	Ant1	99.8	0	0.1
NVNT	n20	2462	Ant1	99.8	0	0.1

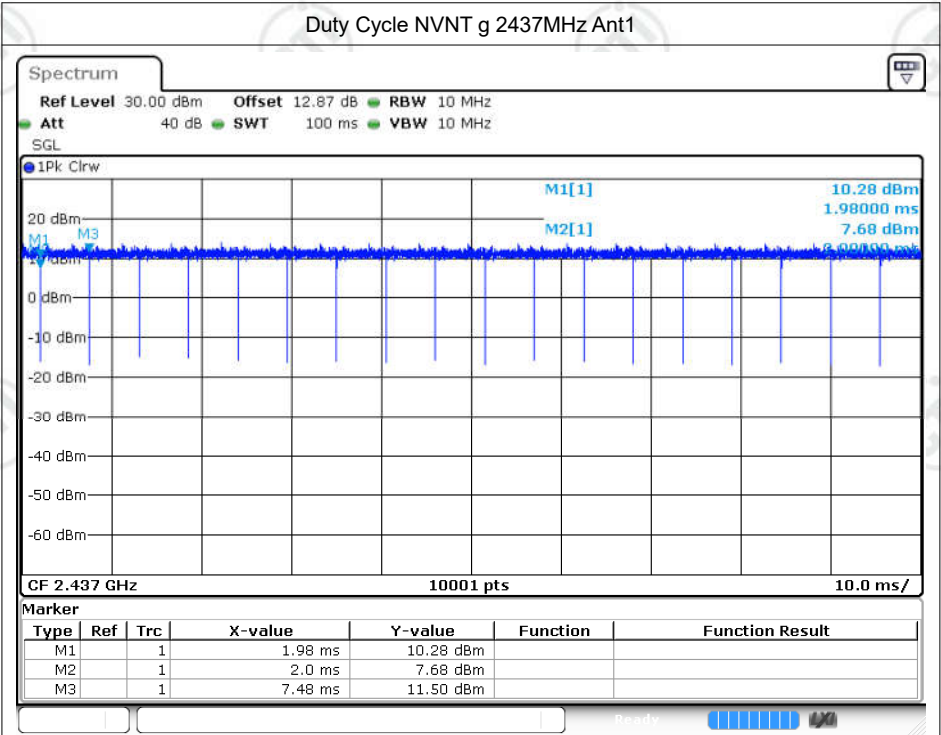




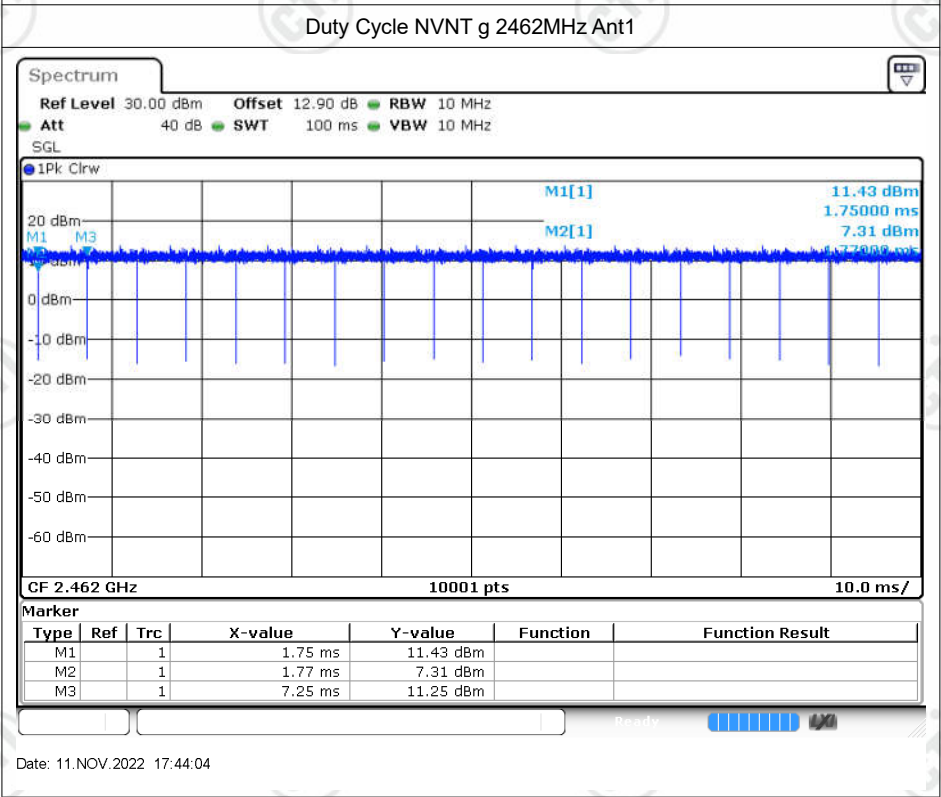
Date: 11.NOV.2022 17:35:33



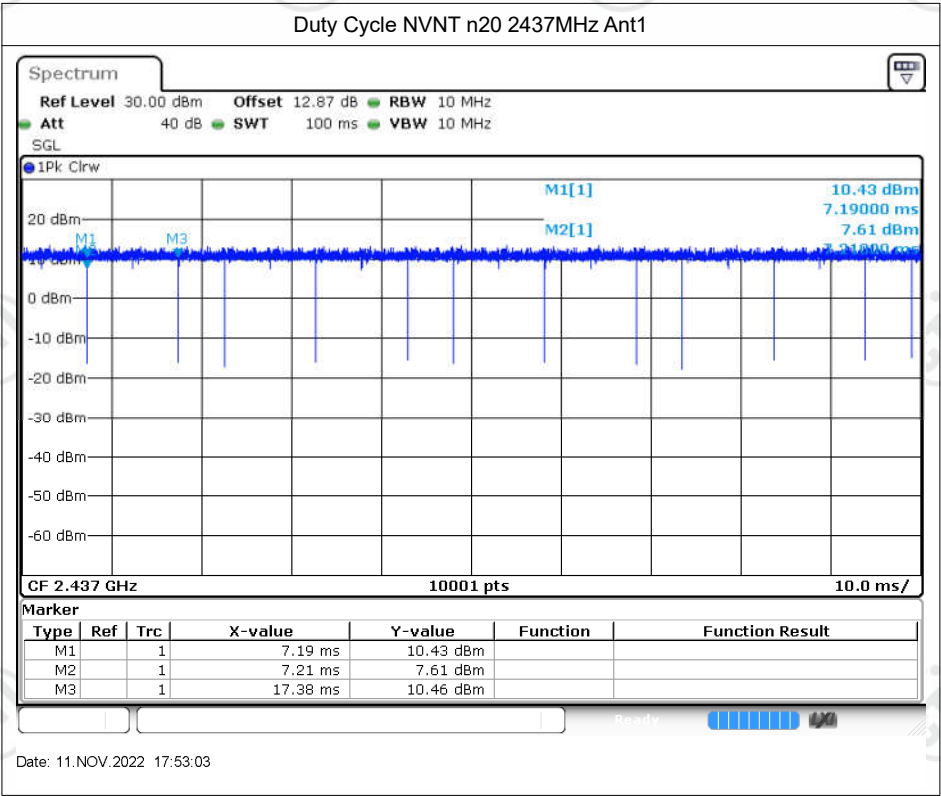
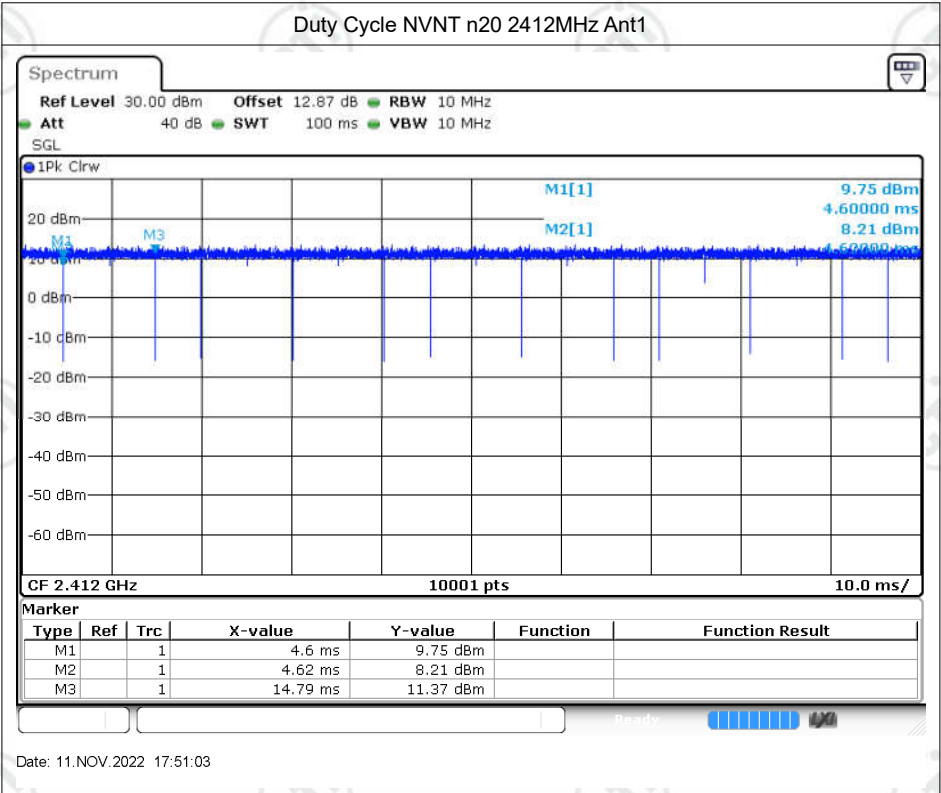
Date: 11.NOV.2022 17:37:34

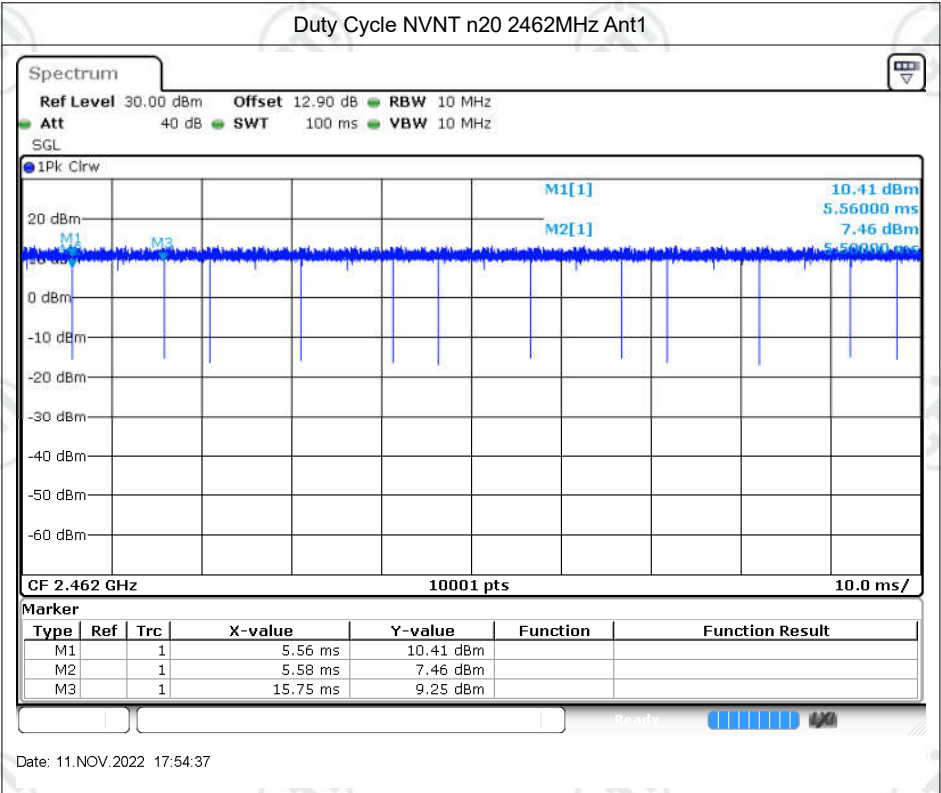


Date: 11.NOV.2022 17:40:29



Date: 11.NOV.2022 17:44:04



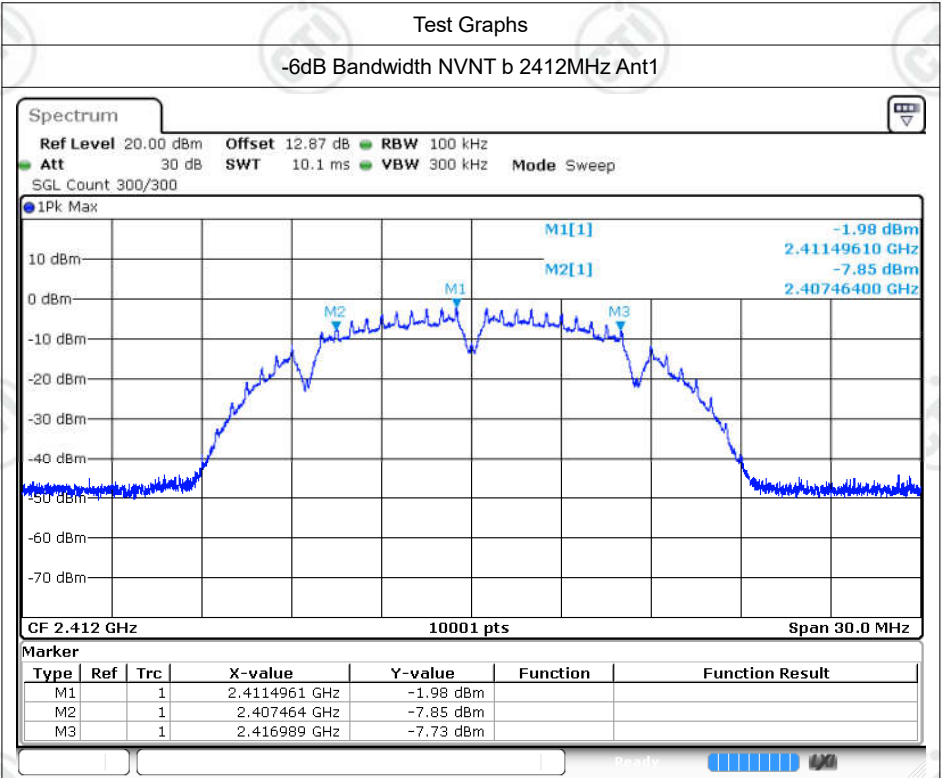


Maximum Peak Conducted Output Power

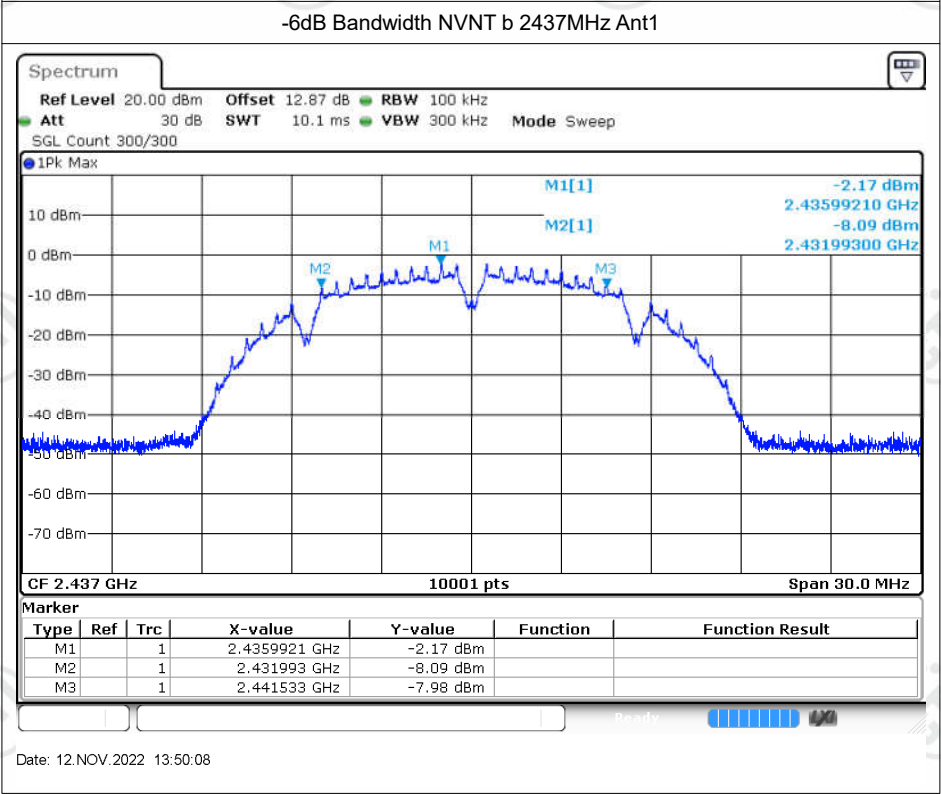
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	10.27	0	10.27	30	Pass
NVNT	b	2437	Ant1	10.29	0	10.29	30	Pass
NVNT	b	2462	Ant1	10.27	0	10.27	30	Pass
NVNT	g	2412	Ant1	10.38	0	10.38	30	Pass
NVNT	g	2437	Ant1	10.27	0	10.27	30	Pass
NVNT	g	2462	Ant1	10.01	0	10.01	30	Pass
NVNT	n20	2412	Ant1	9.49	0	9.49	30	Pass
NVNT	n20	2437	Ant1	9.39	0	9.39	30	Pass
NVNT	n20	2462	Ant1	9.32	0	9.32	30	Pass

-6dB Bandwidth

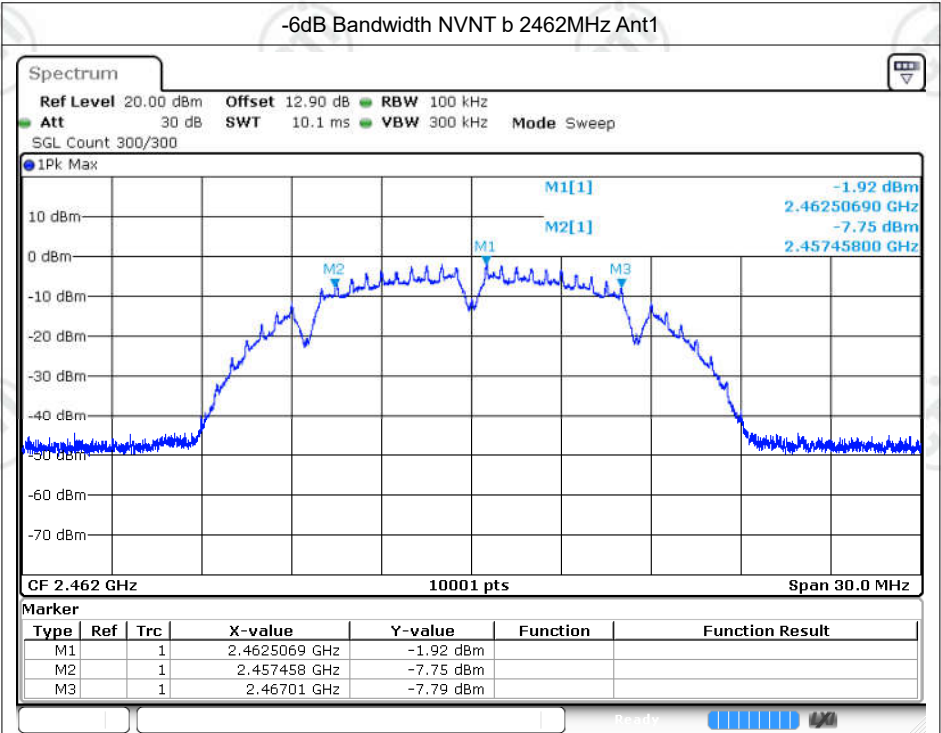
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.525	0.5	Pass
NVNT	b	2437	Ant1	9.54	0.5	Pass
NVNT	b	2462	Ant1	9.552	0.5	Pass
NVNT	g	2412	Ant1	16.326	0.5	Pass
NVNT	g	2437	Ant1	16.311	0.5	Pass
NVNT	g	2462	Ant1	16.32	0.5	Pass
NVNT	n20	2412	Ant1	17.031	0.5	Pass
NVNT	n20	2437	Ant1	17.121	0.5	Pass
NVNT	n20	2462	Ant1	17.037	0.5	Pass



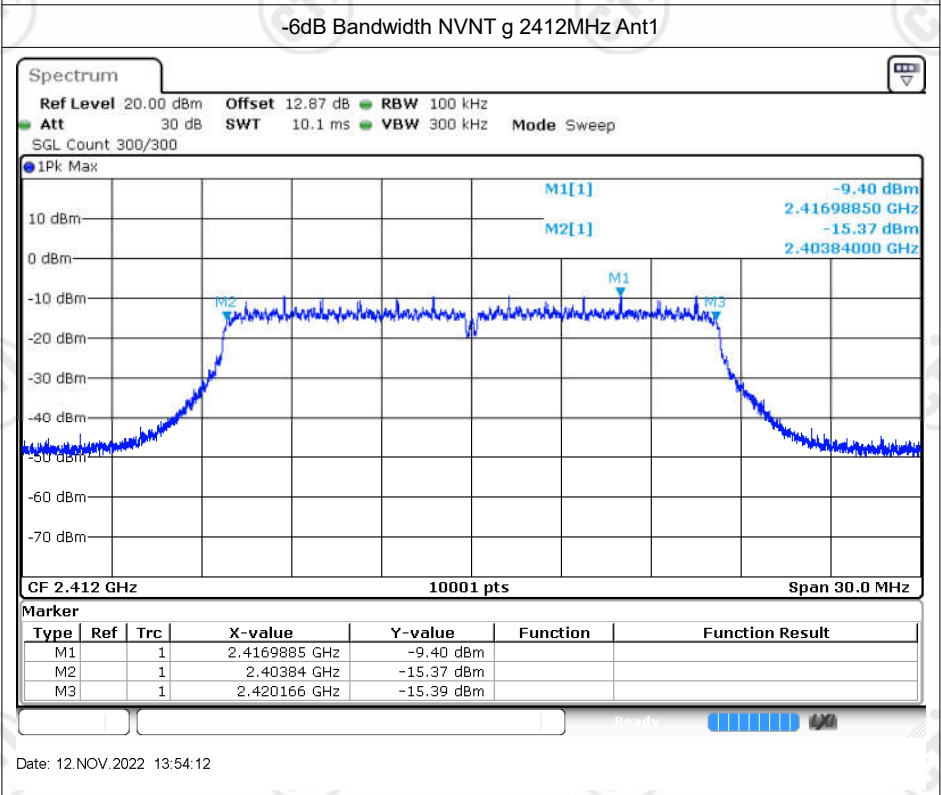
Date: 12.NOV.2022 13:47:02



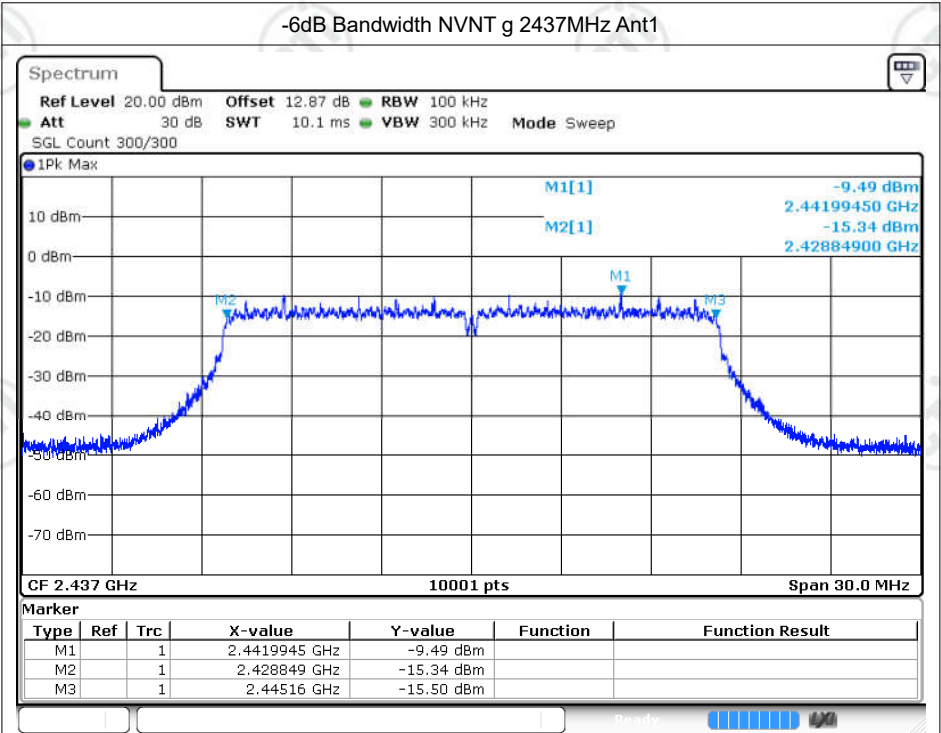
Date: 12.NOV.2022 13:50:08



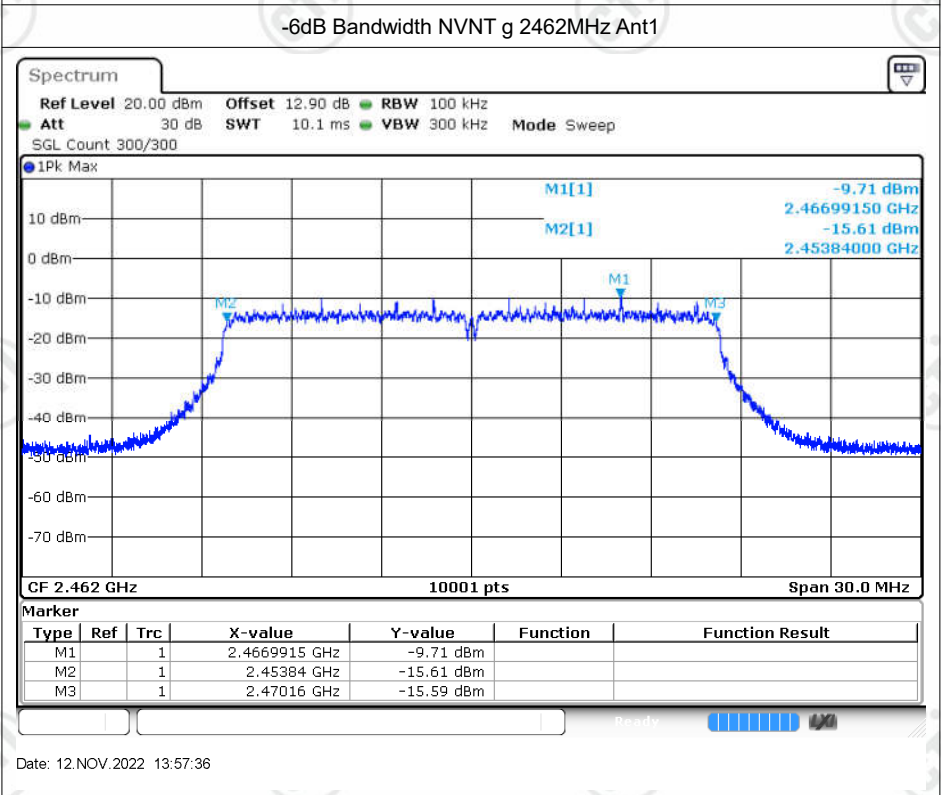
Date: 12.NOV.2022 13:52:00



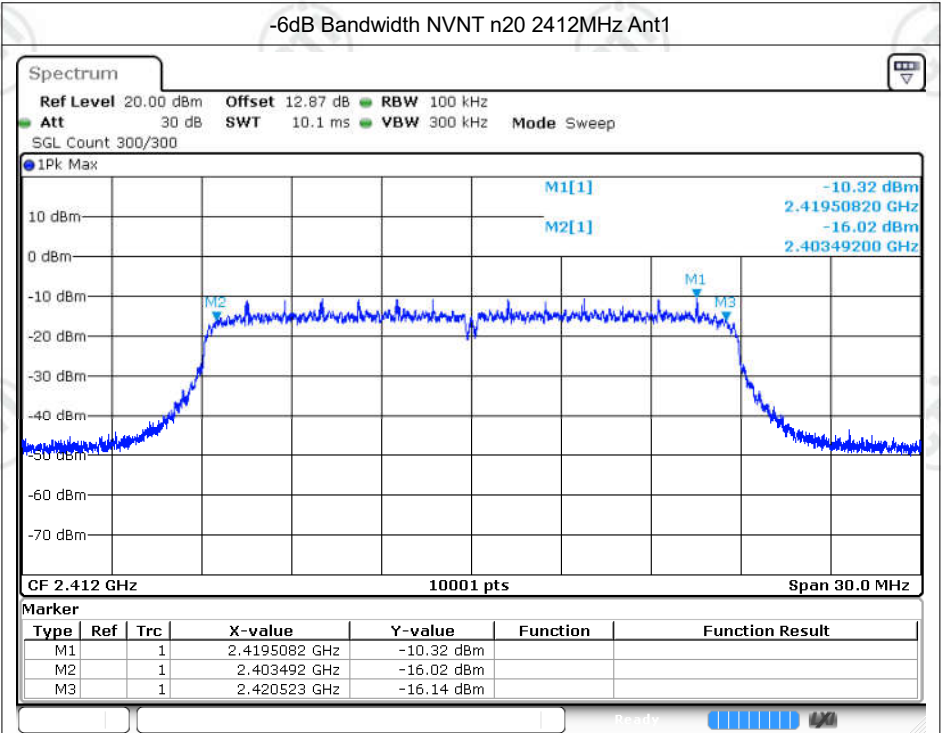
Date: 12.NOV.2022 13:54:12



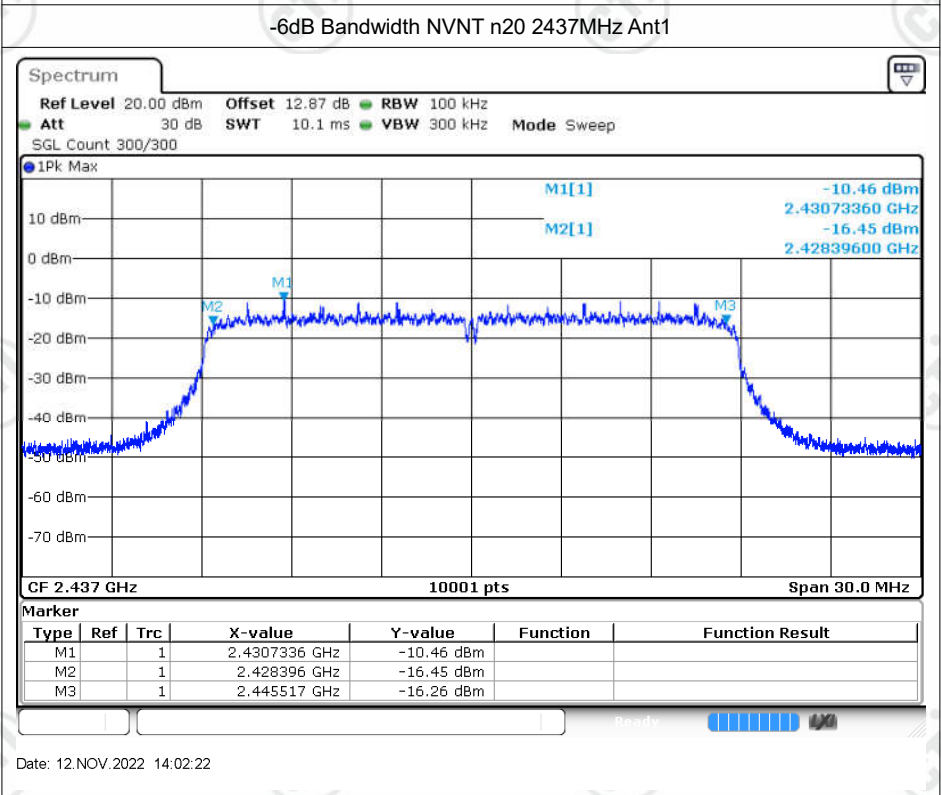
Date: 12.NOV.2022 13:56:19



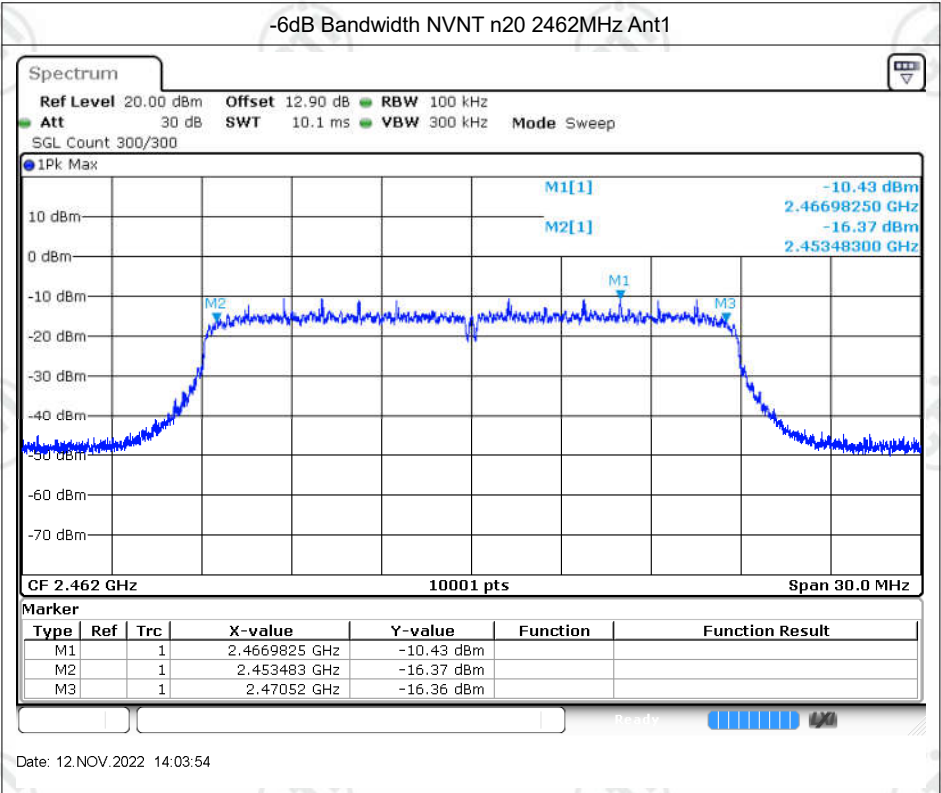
Date: 12.NOV.2022 13:57:36



Date: 12.NOV.2022 13:59:47

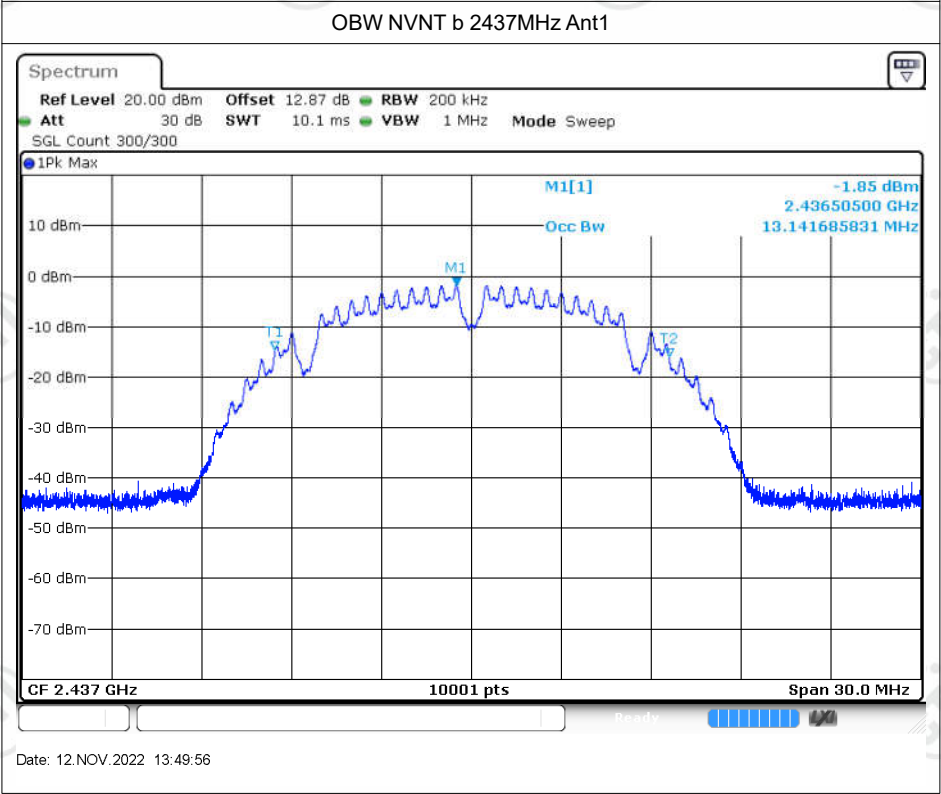
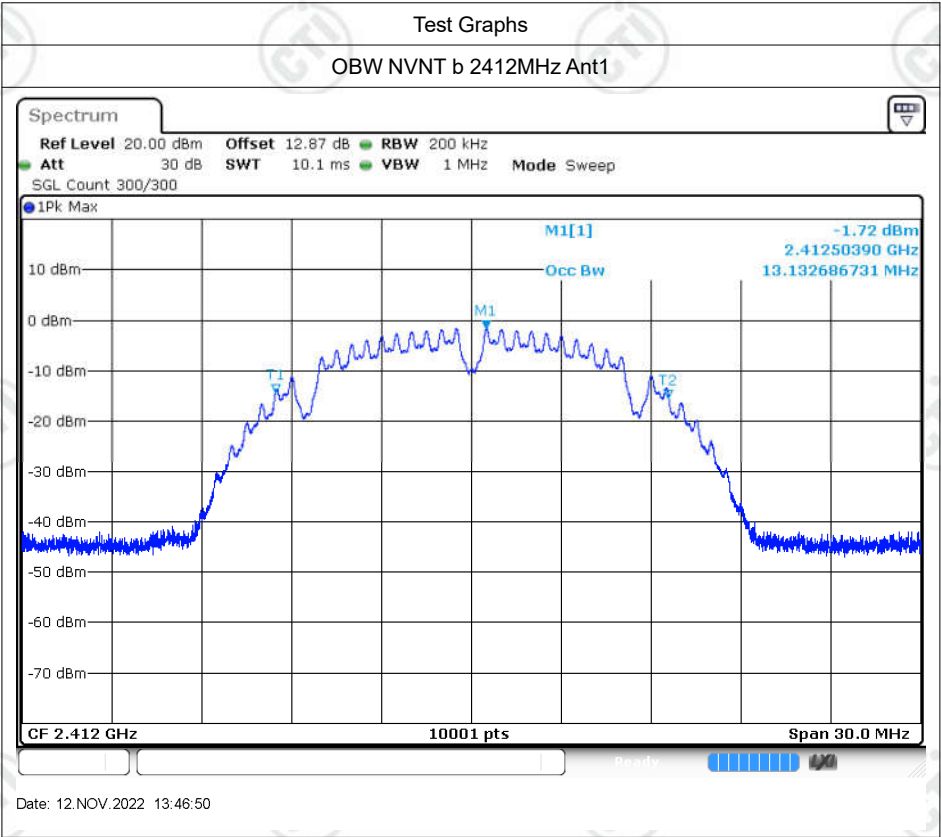


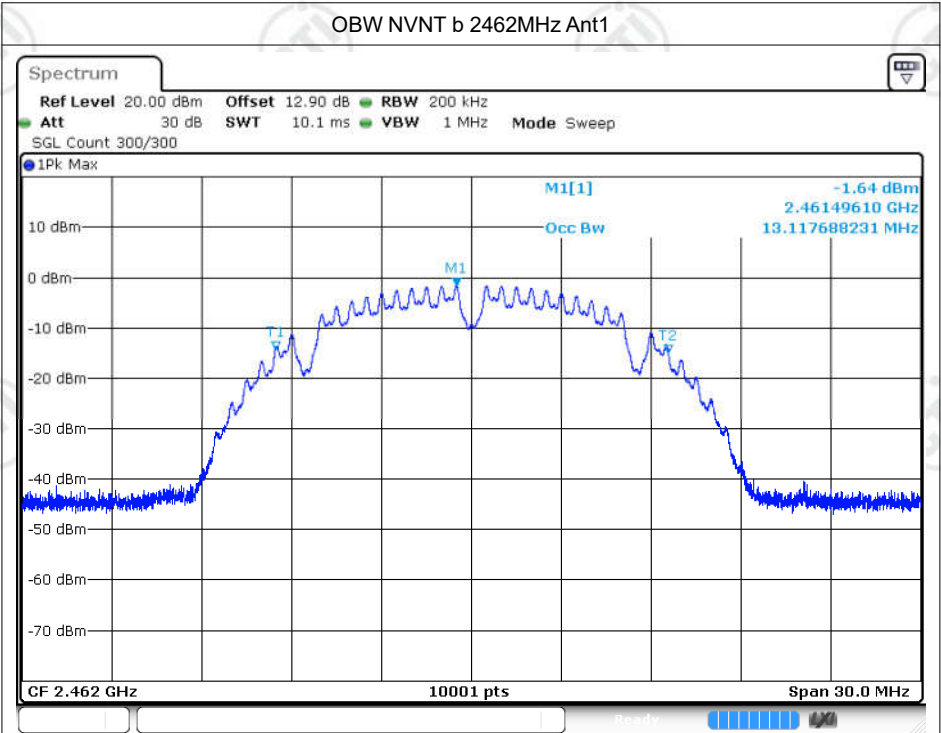
Date: 12.NOV.2022 14:02:22



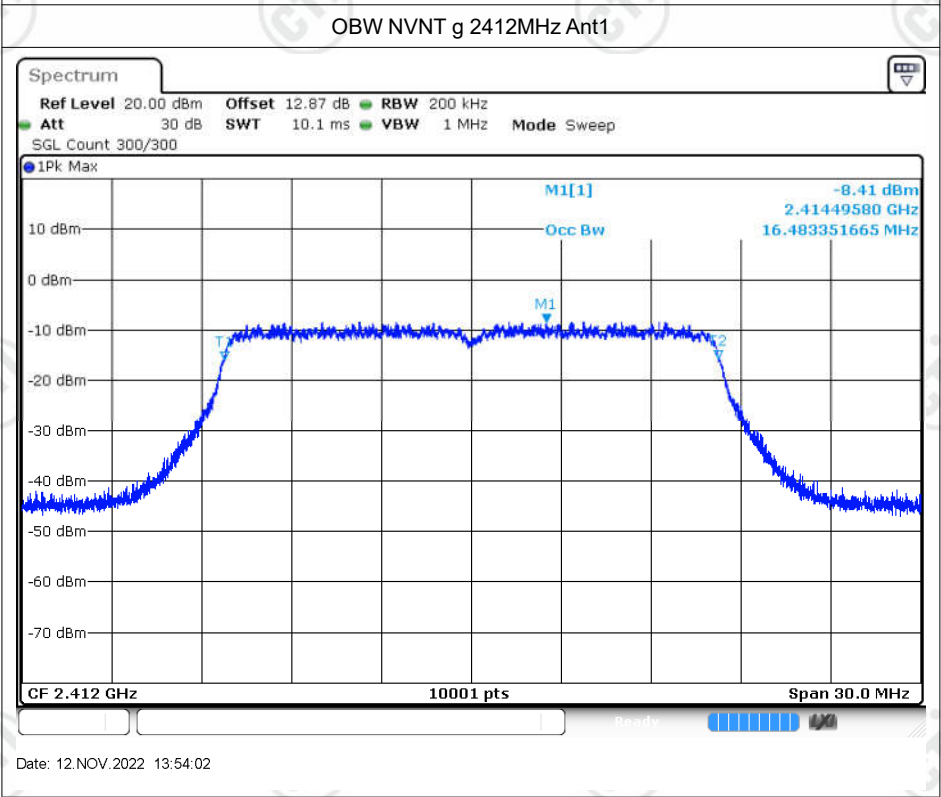
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.133
NVNT	b	2437	Ant1	13.142
NVNT	b	2462	Ant1	13.118
NVNT	g	2412	Ant1	16.483
NVNT	g	2437	Ant1	16.492
NVNT	g	2462	Ant1	16.498
NVNT	n20	2412	Ant1	17.512
NVNT	n20	2437	Ant1	17.518
NVNT	n20	2462	Ant1	17.506

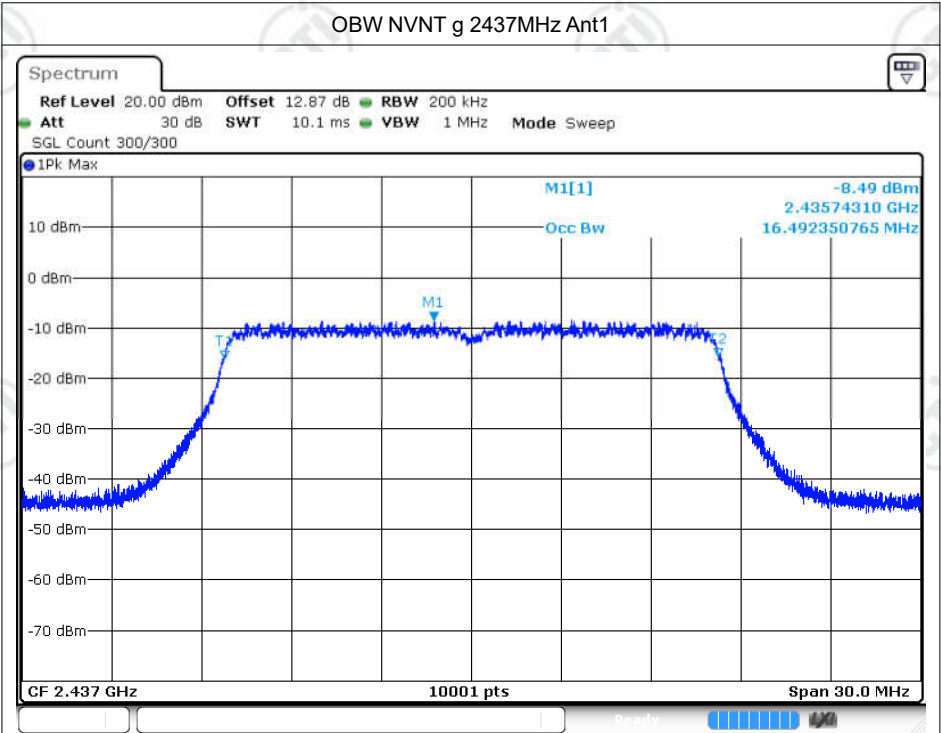




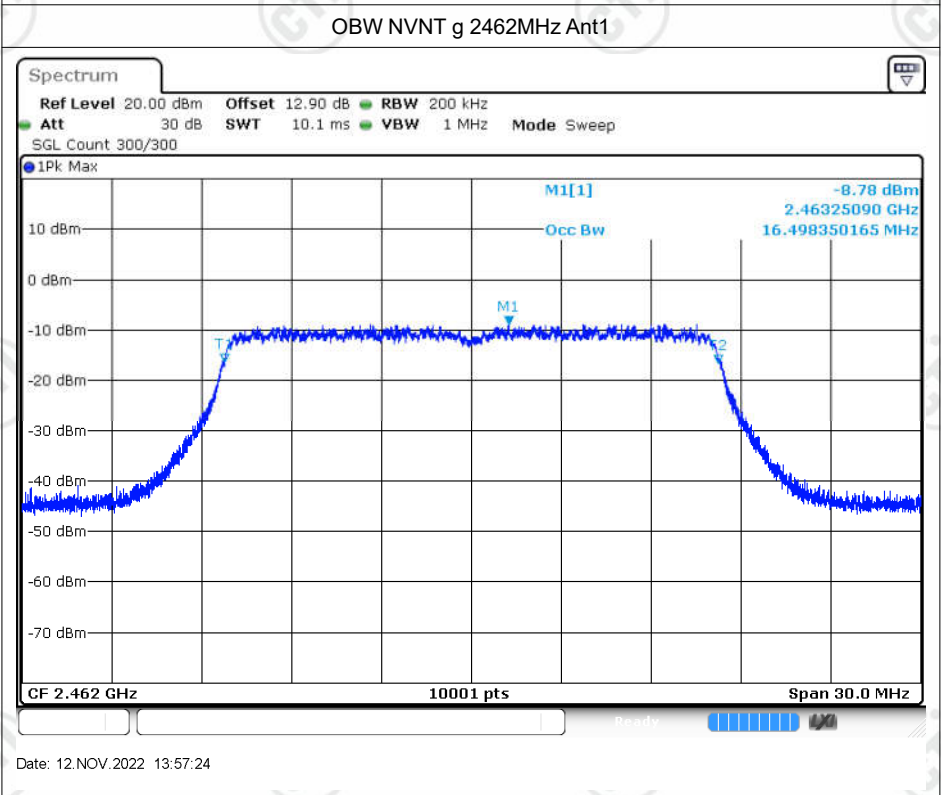
Date: 12.NOV.2022 13:51:42



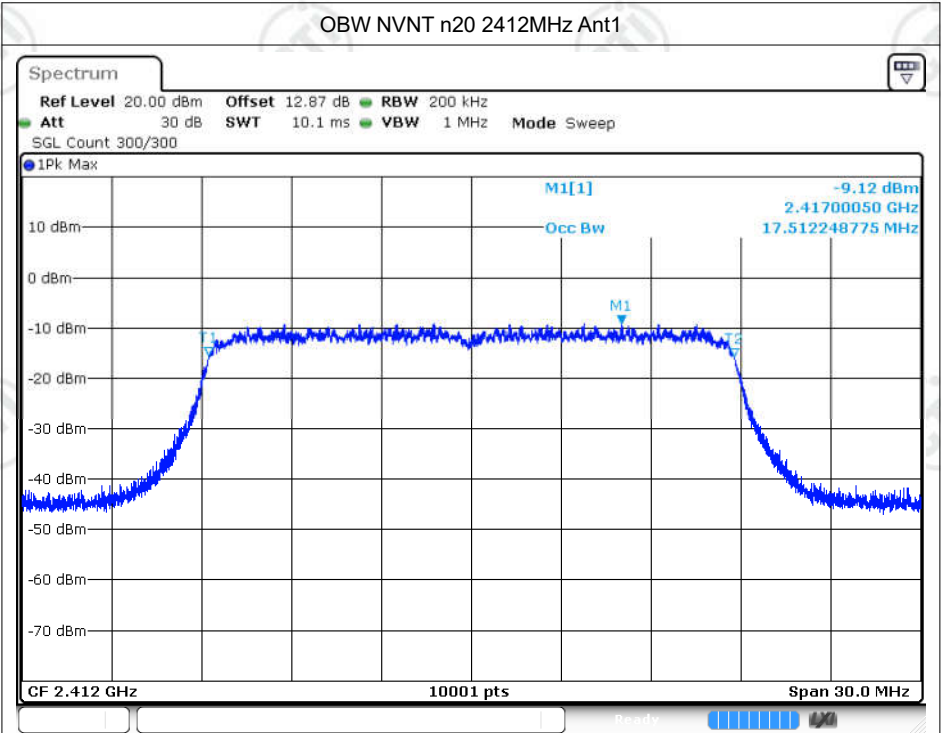
Date: 12.NOV.2022 13:54:02



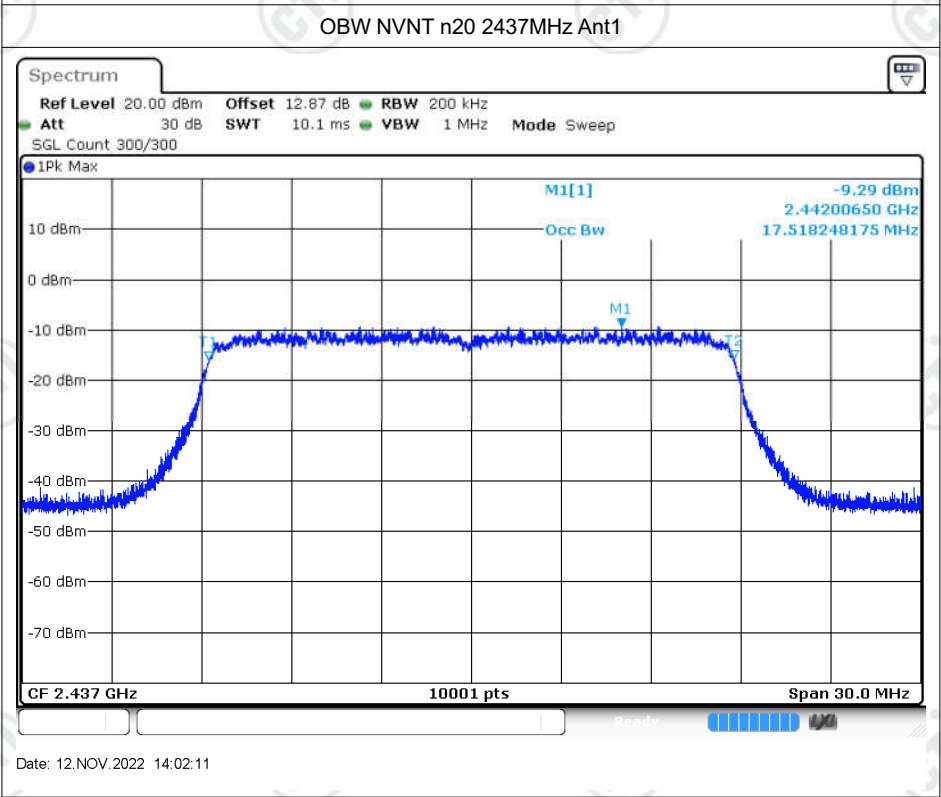
Date: 12.NOV.2022 13:56:09



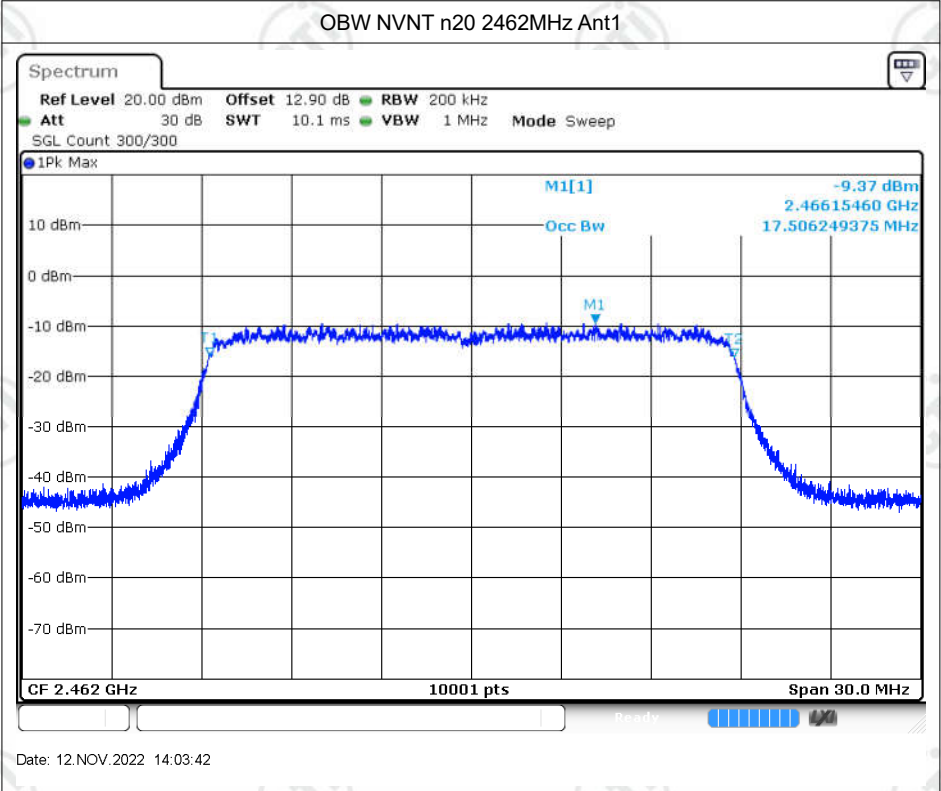
Date: 12.NOV.2022 13:57:24



Date: 12.NOV.2022 13:59:36

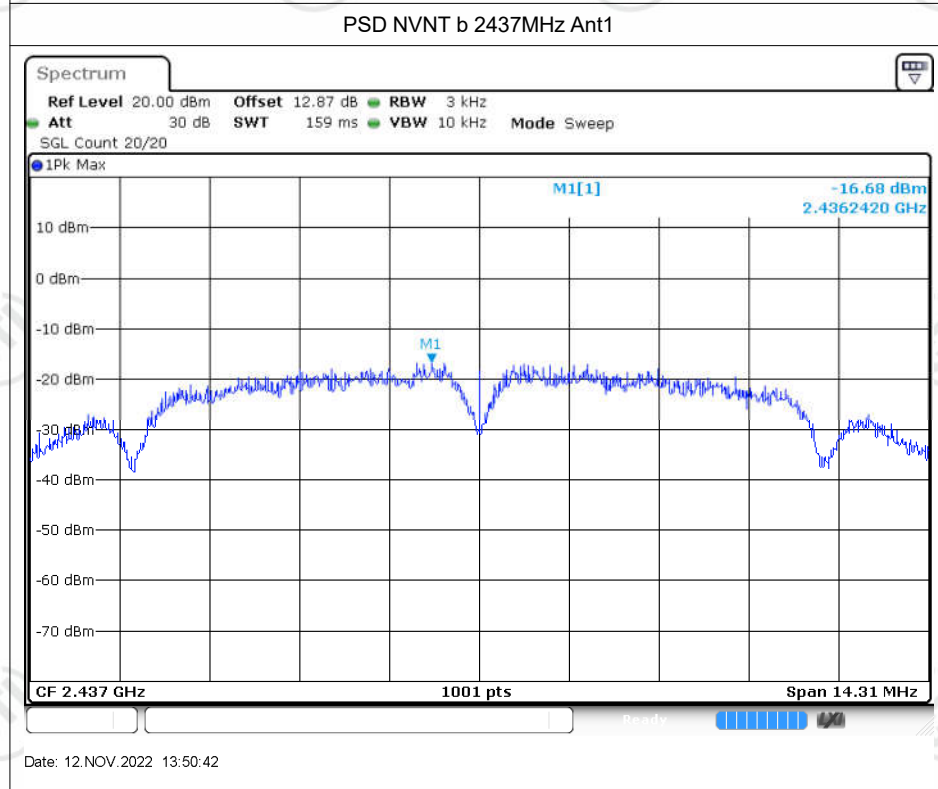
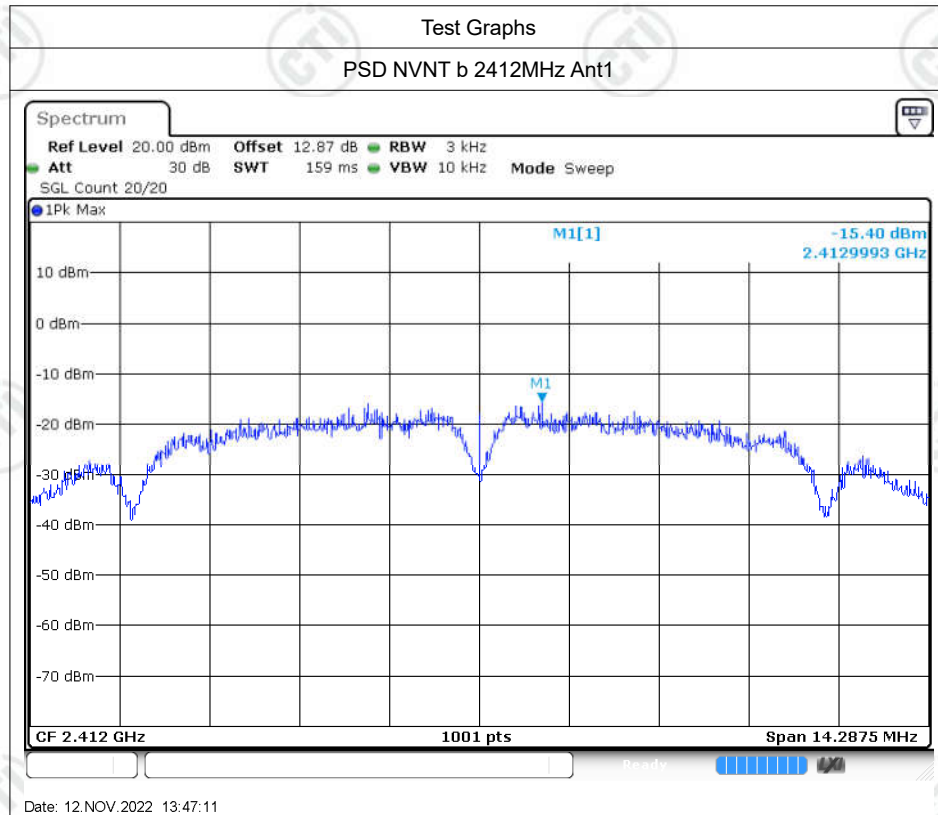


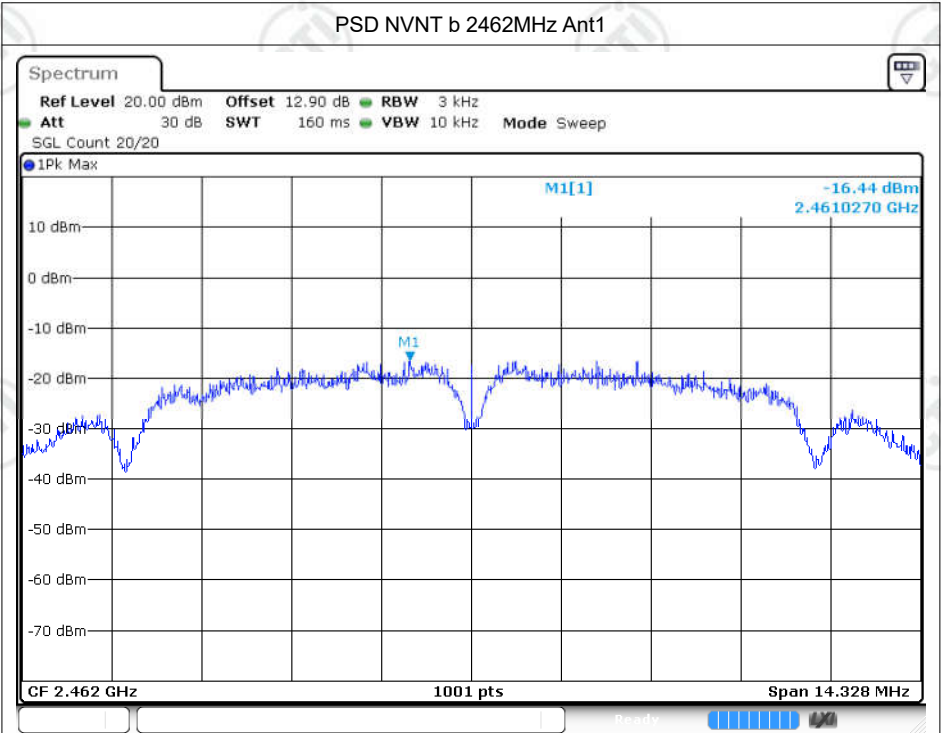
Date: 12.NOV.2022 14:02:11



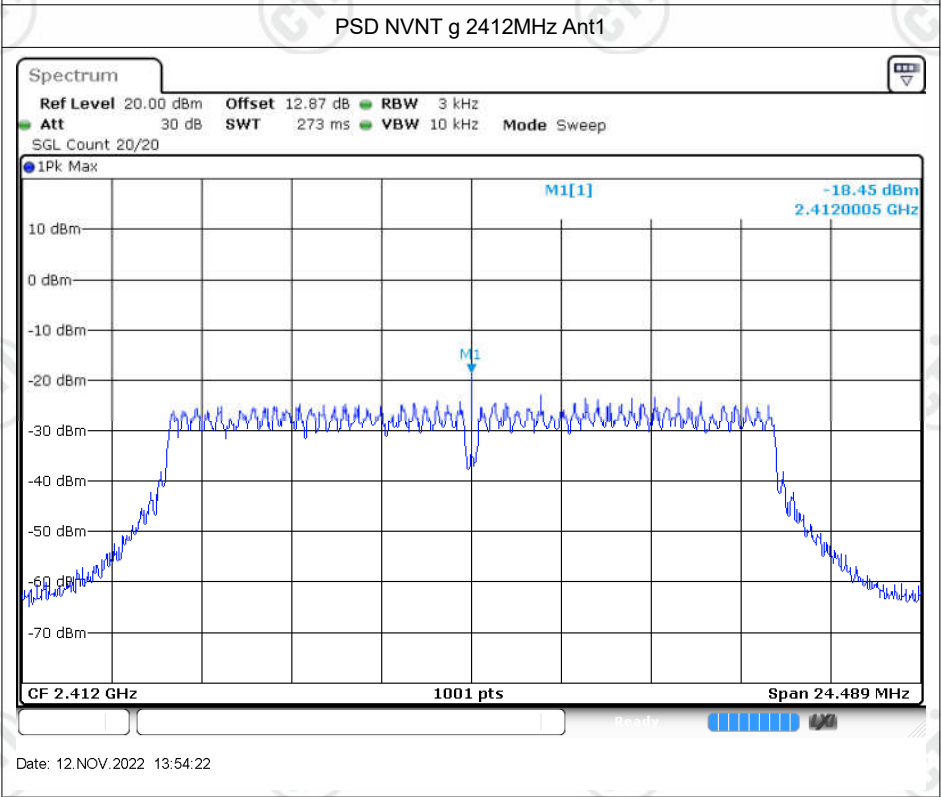
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-15.4	0	-15.4	8	Pass
NVNT	b	2437	Ant1	-16.68	0	-16.68	8	Pass
NVNT	b	2462	Ant1	-16.44	0	-16.44	8	Pass
NVNT	g	2412	Ant1	-18.45	0	-18.45	8	Pass
NVNT	g	2437	Ant1	-18.09	0	-18.09	8	Pass
NVNT	g	2462	Ant1	-17.93	0	-17.93	8	Pass
NVNT	n20	2412	Ant1	-19.07	0	-19.07	8	Pass
NVNT	n20	2437	Ant1	-18.1	0	-18.1	8	Pass
NVNT	n20	2462	Ant1	-17.62	0	-17.62	8	Pass

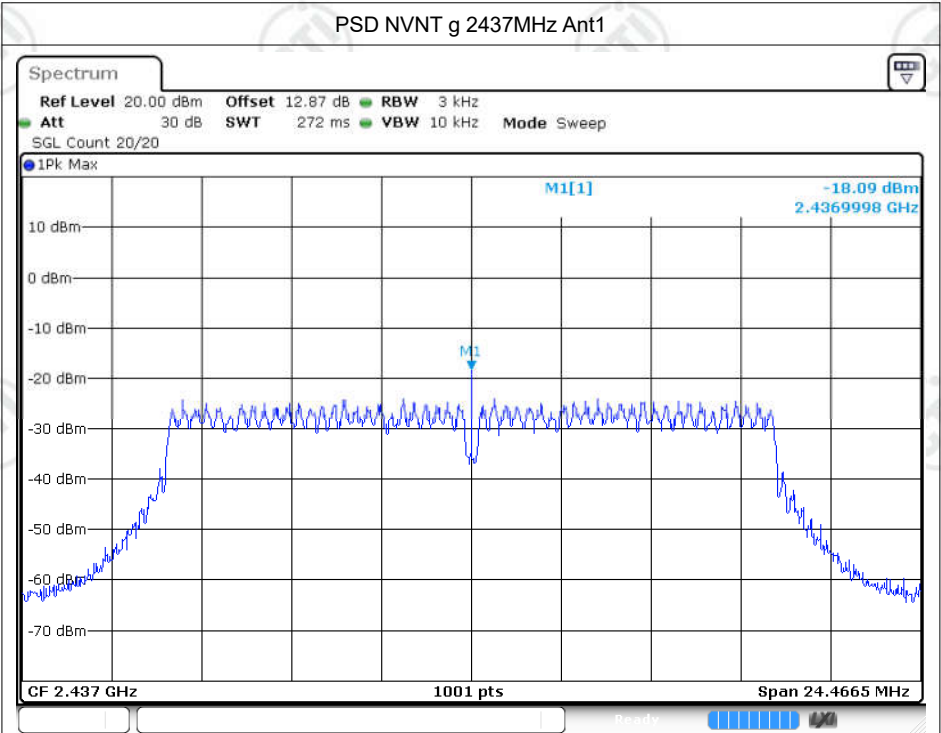




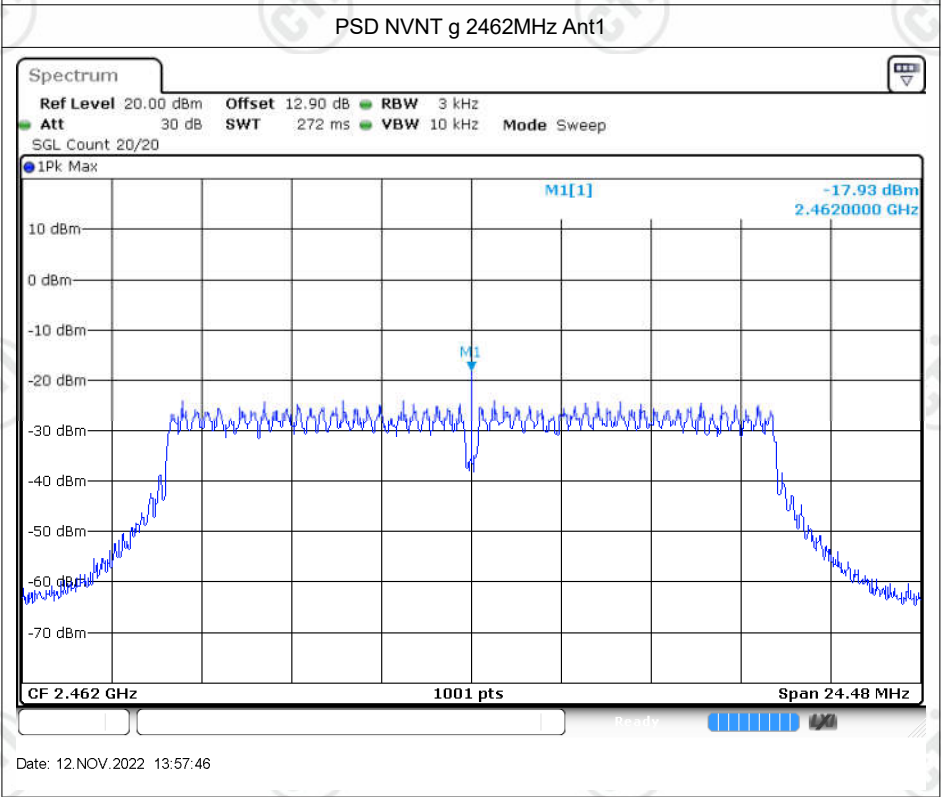
Date: 12.NOV.2022 13:52:08



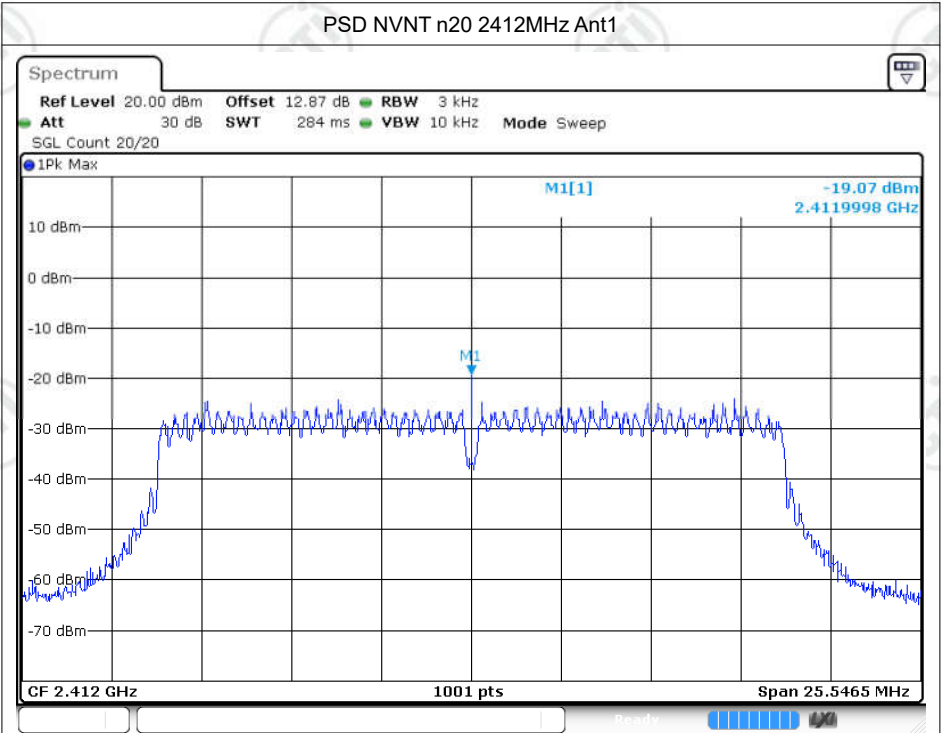
Date: 12.NOV.2022 13:54:22



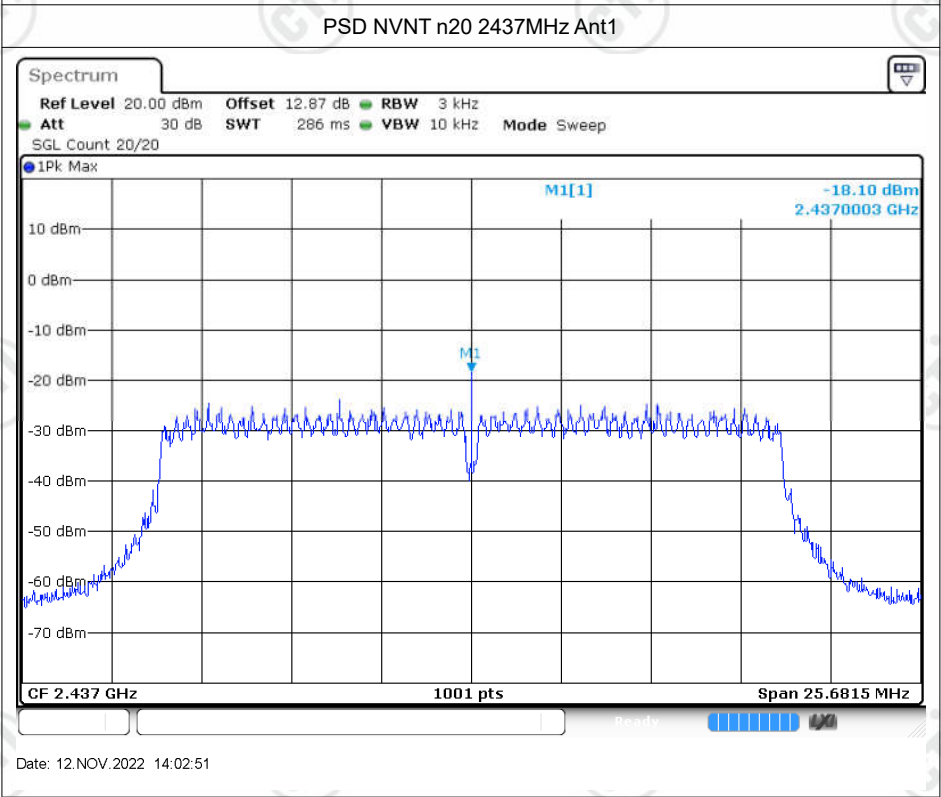
Date: 12.NOV.2022 13:56:49



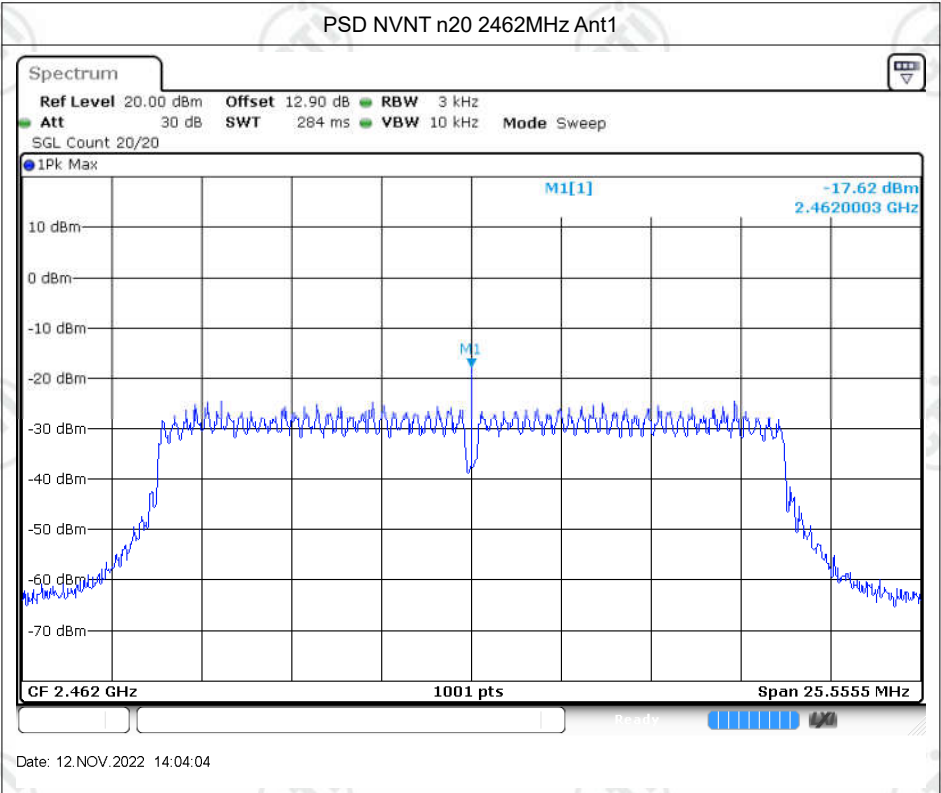
Date: 12.NOV.2022 13:57:46



Date: 12.NOV.2022 13:59:57

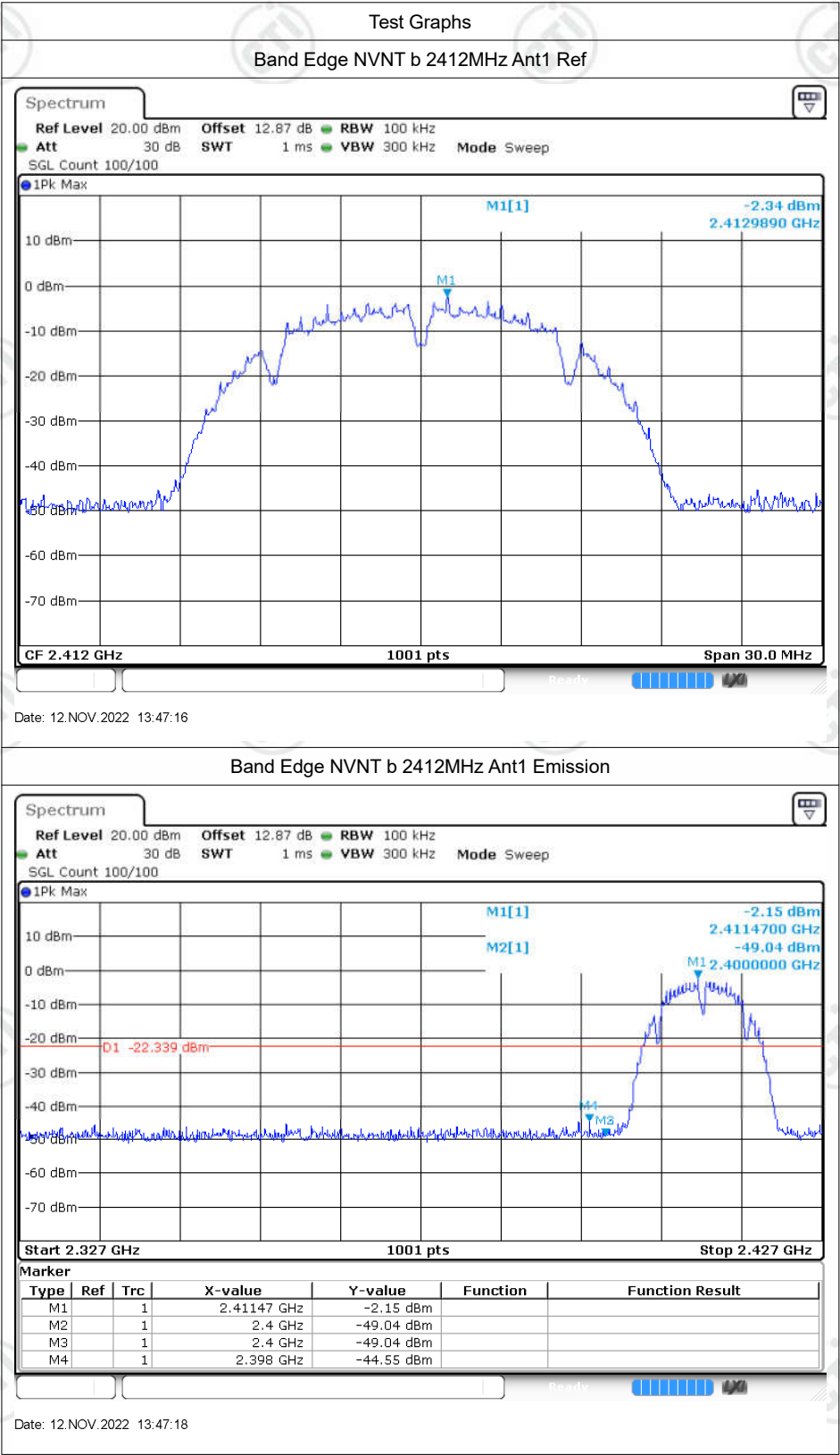


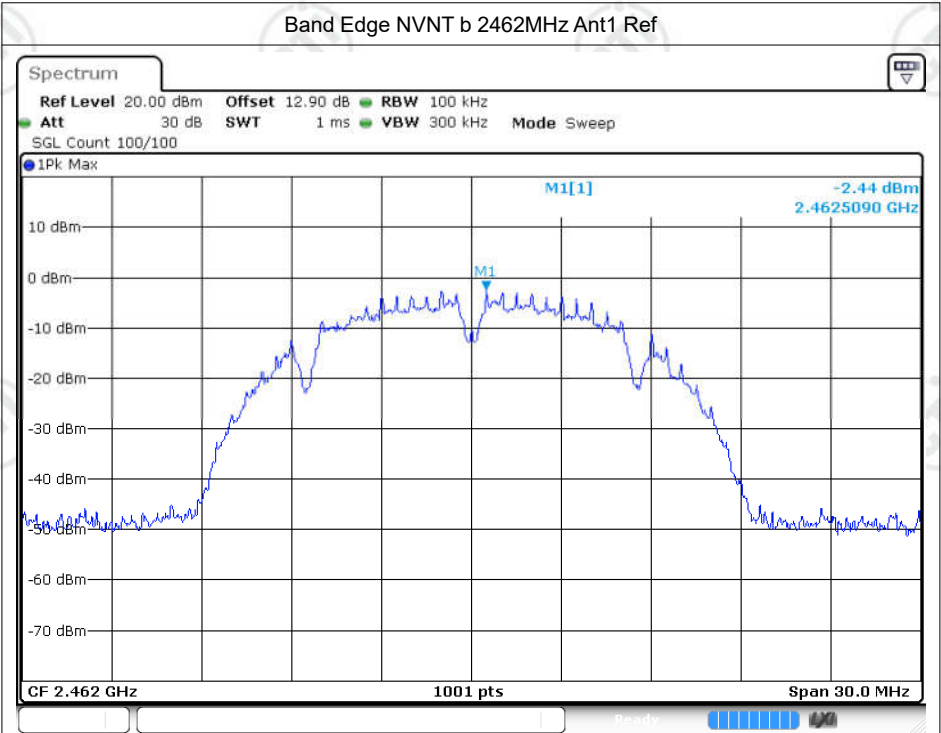
Date: 12.NOV.2022 14:02:51



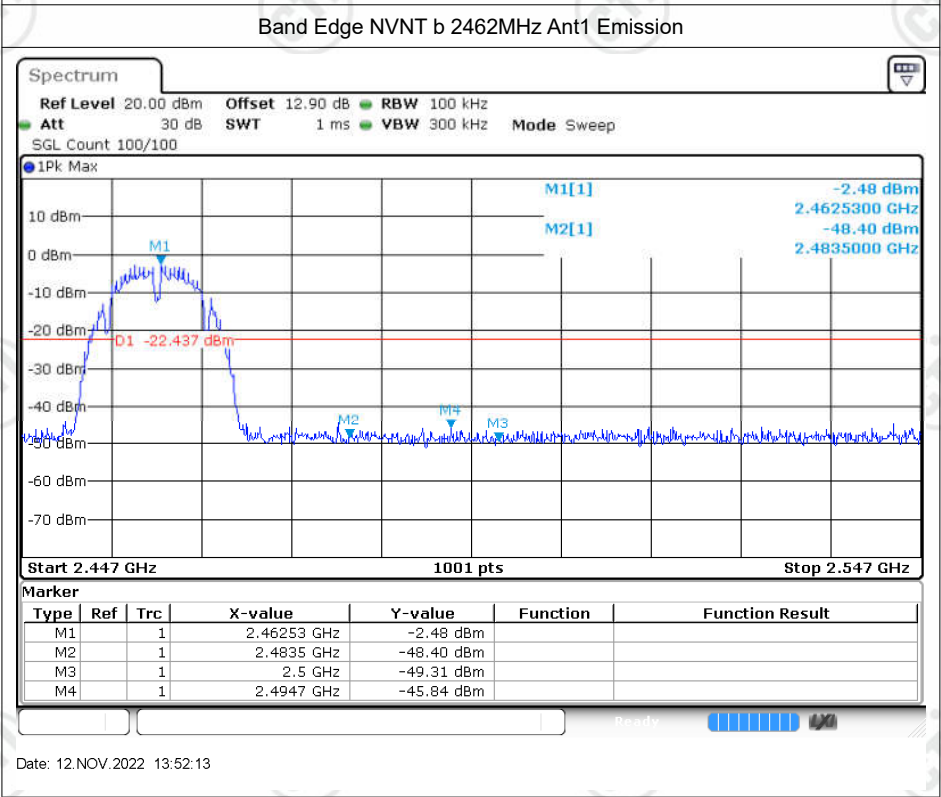
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-42.2	-20	Pass
NVNT	b	2462	Ant1	-43.39	-20	Pass
NVNT	g	2412	Ant1	-33.2	-20	Pass
NVNT	g	2462	Ant1	-34.84	-20	Pass
NVNT	n20	2412	Ant1	-34.82	-20	Pass
NVNT	n20	2462	Ant1	-32.64	-20	Pass

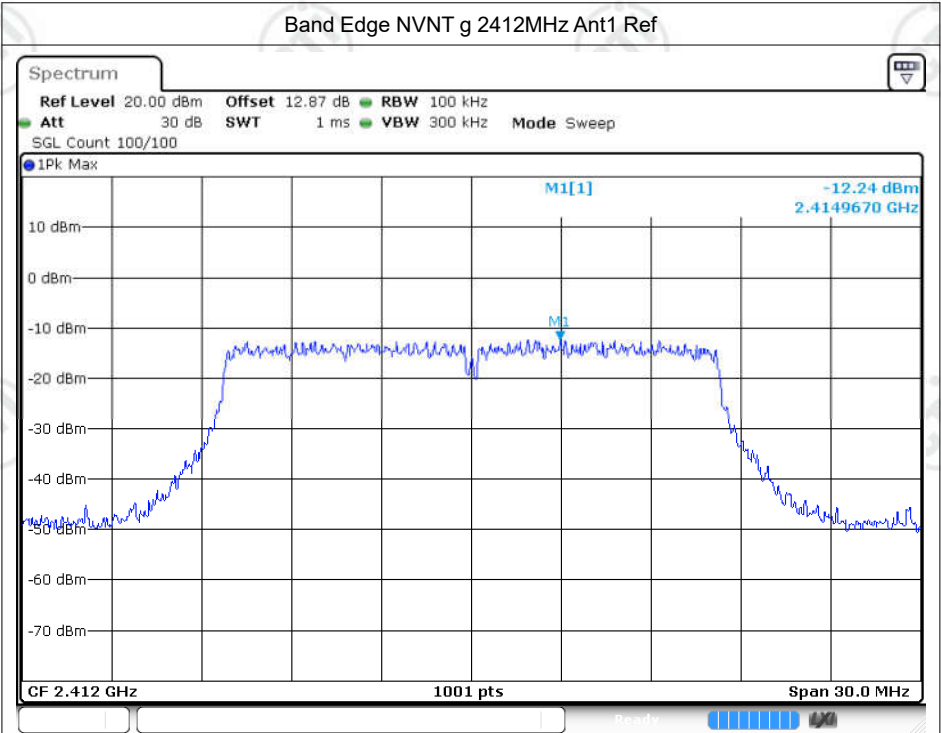




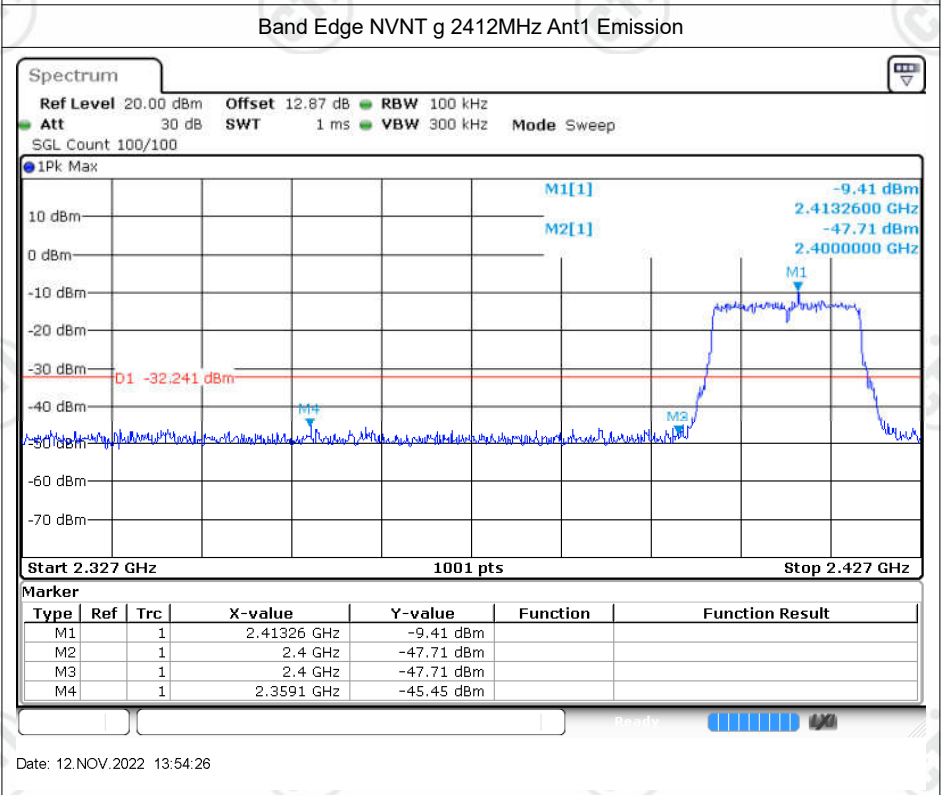
Date: 12.NOV.2022 13:52:12



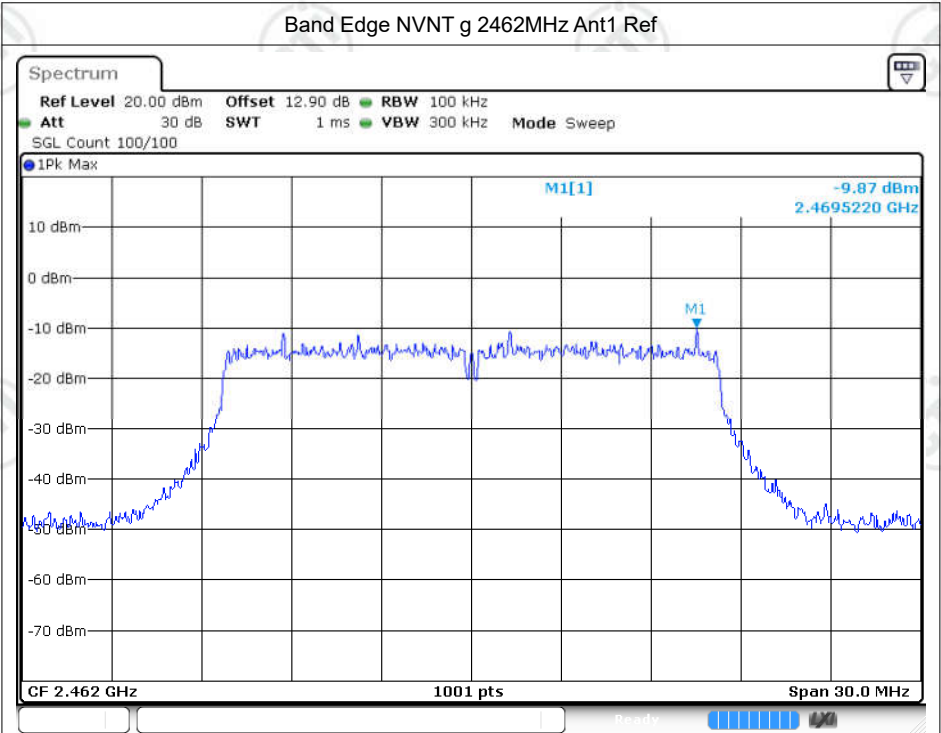
Date: 12.NOV.2022 13:52:13



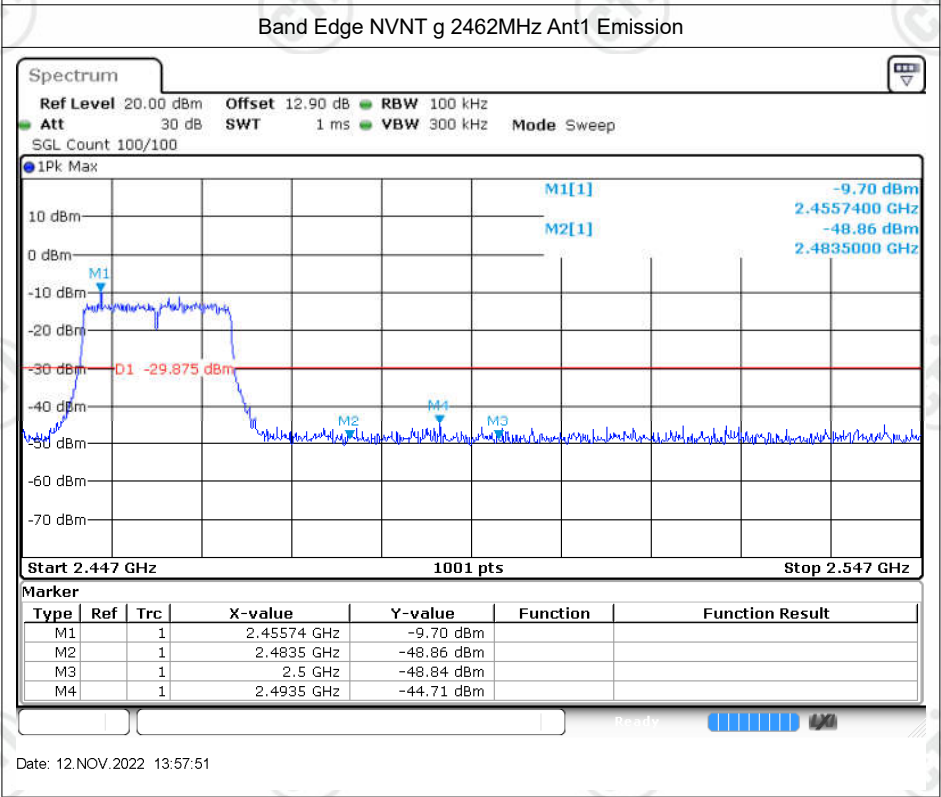
Date: 12.NOV.2022 13:54:25



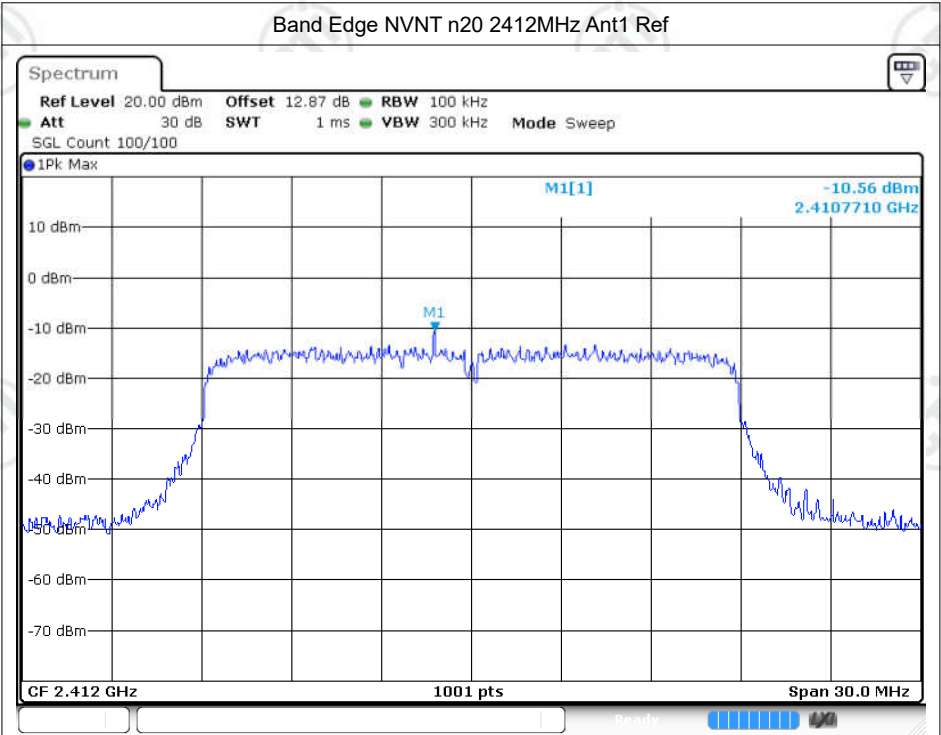
Date: 12.NOV.2022 13:54:26



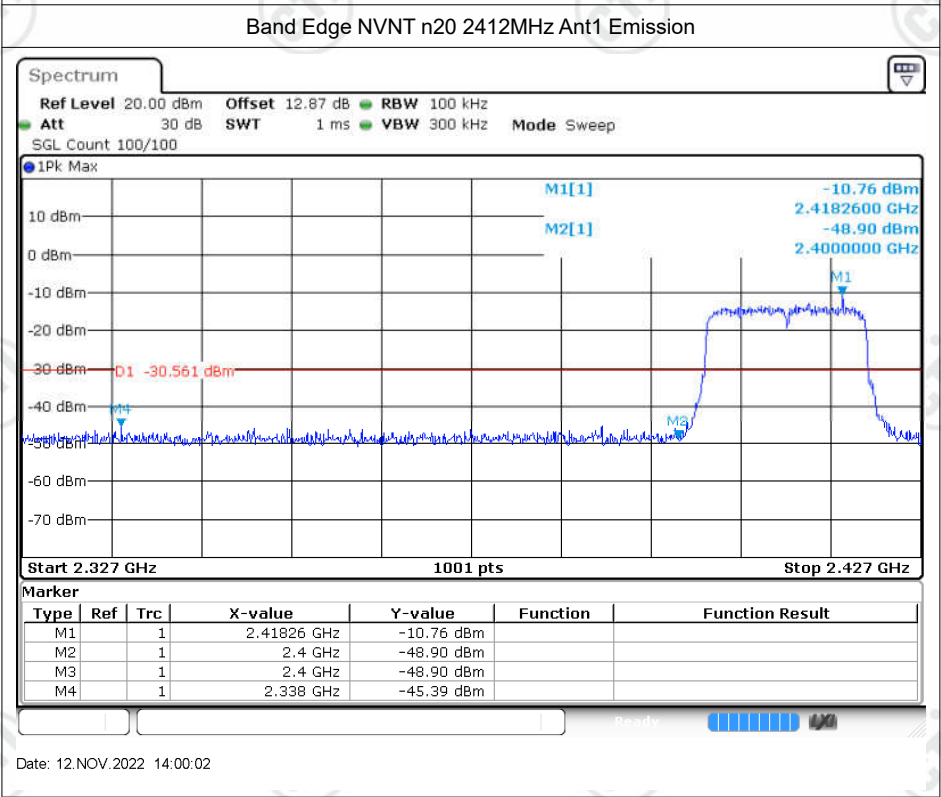
Date: 12.NOV.2022 13:57:50



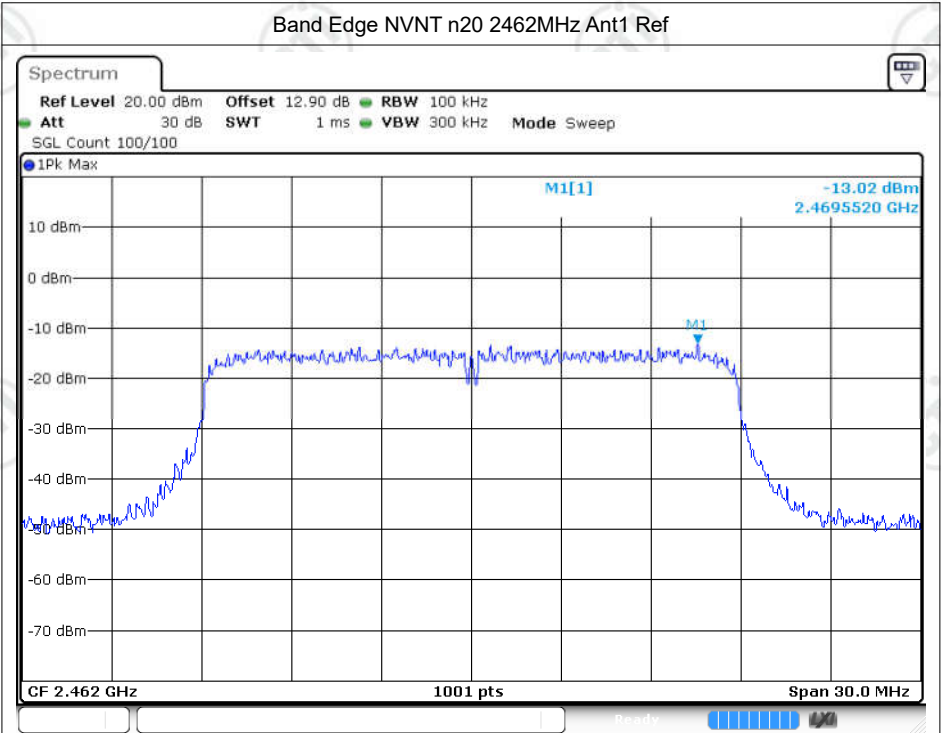
Date: 12.NOV.2022 13:57:51



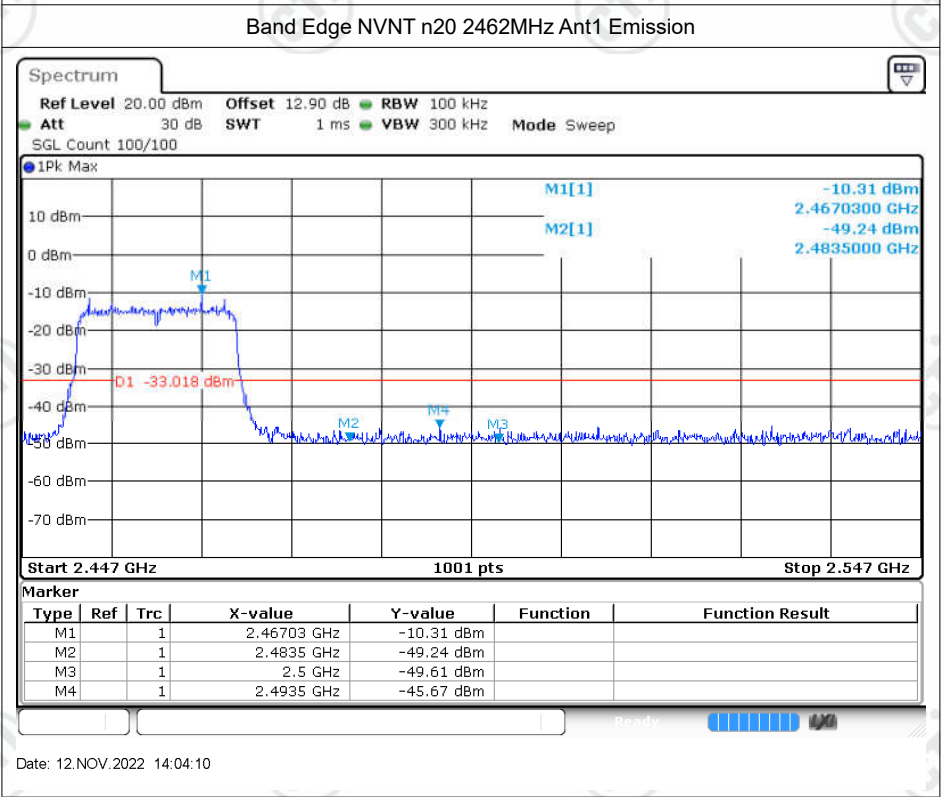
Date: 12.NOV.2022 14:00:01



Date: 12.NOV.2022 14:00:02



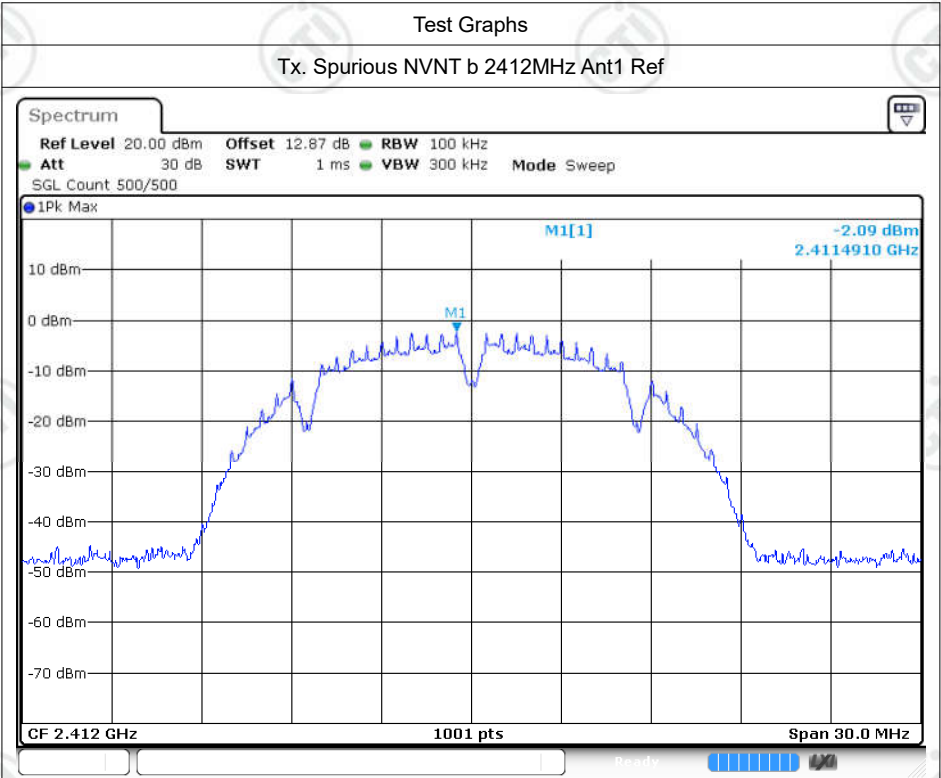
Date: 12.NOV.2022 14:04:08



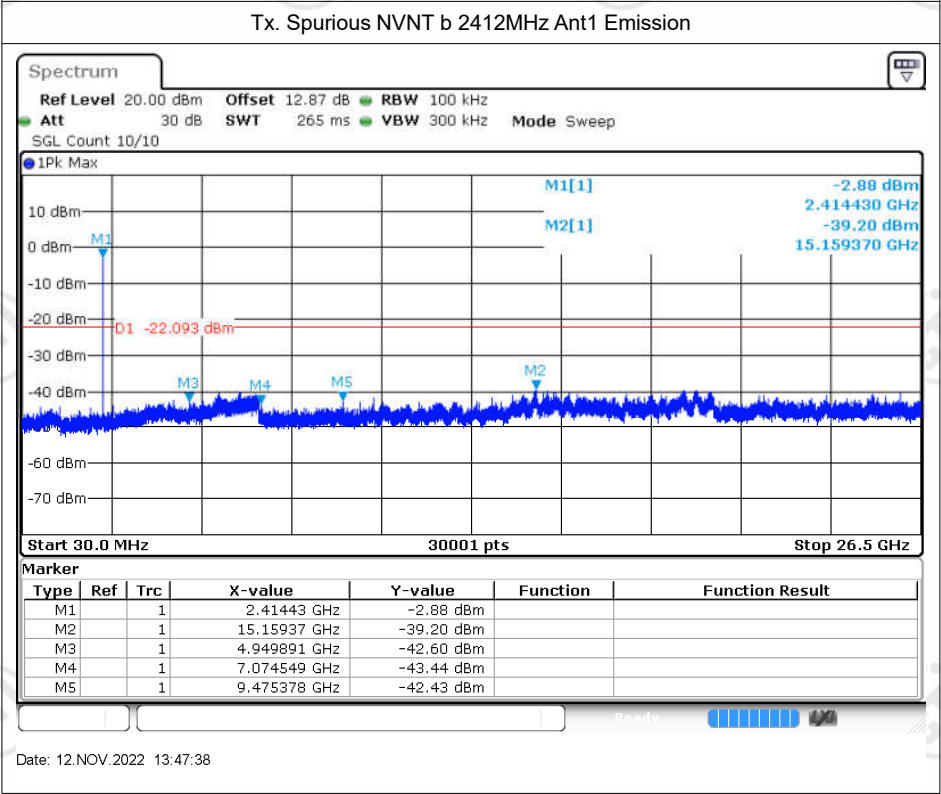
Date: 12.NOV.2022 14:04:10

Conducted RF Spurious Emission

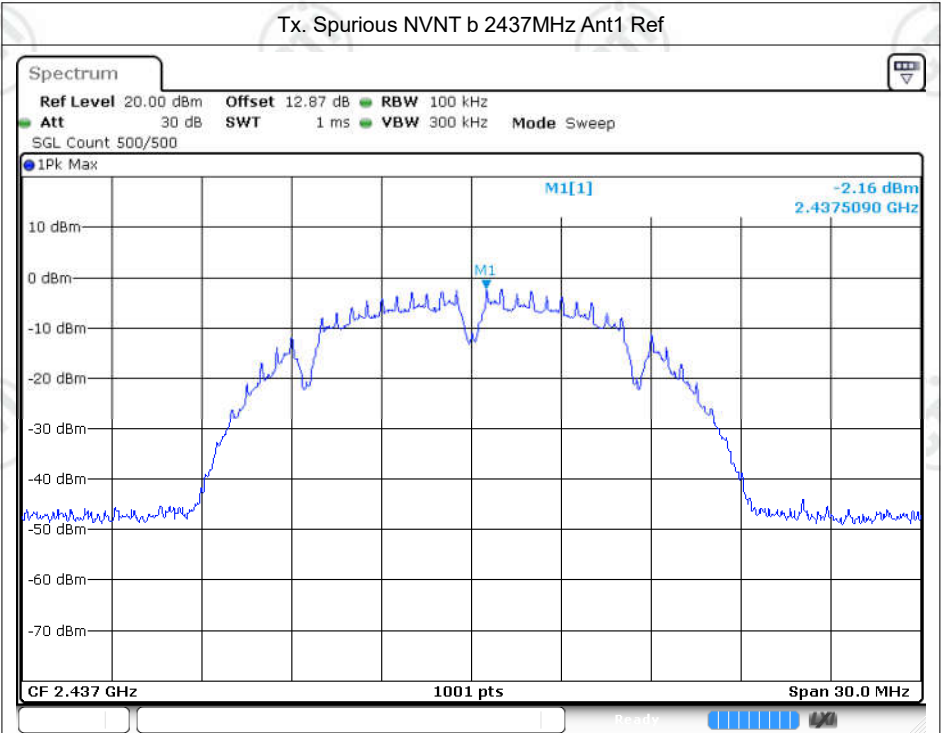
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-37.1	-20	Pass
NVNT	b	2437	Ant1	-36.74	-20	Pass
NVNT	b	2462	Ant1	-34.15	-20	Pass
NVNT	g	2412	Ant1	-29.31	-20	Pass
NVNT	g	2437	Ant1	-29.17	-20	Pass
NVNT	g	2462	Ant1	-28.94	-20	Pass
NVNT	n20	2412	Ant1	-27.88	-20	Pass
NVNT	n20	2437	Ant1	-26.64	-20	Pass
NVNT	n20	2462	Ant1	-28.53	-20	Pass



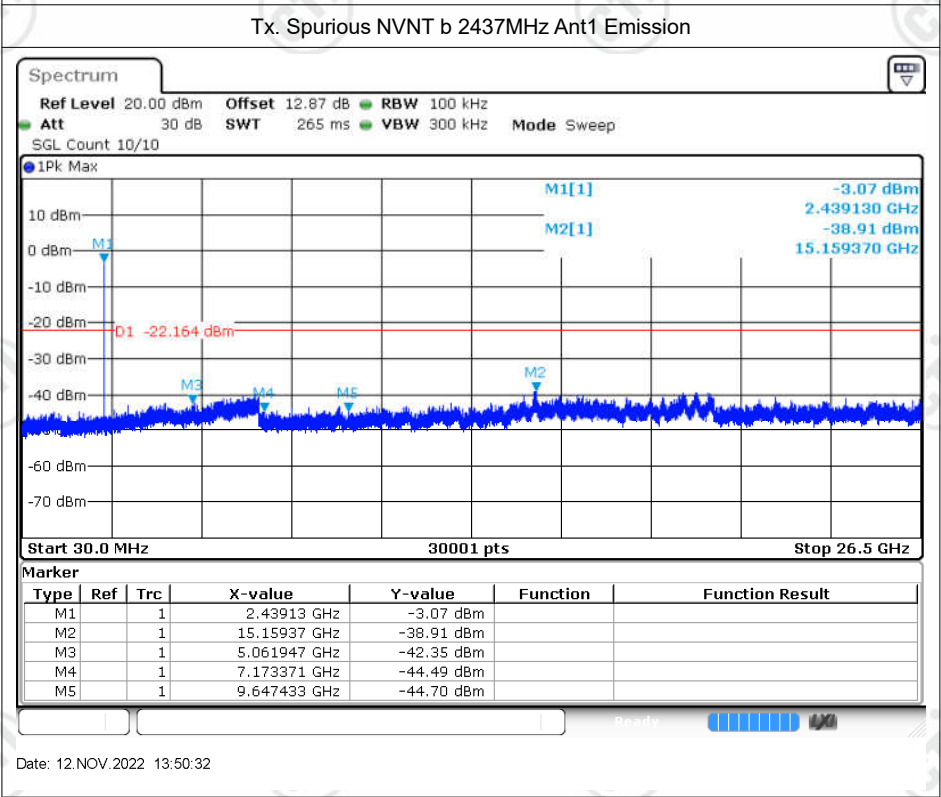
Date: 12.NOV.2022 13:47:27



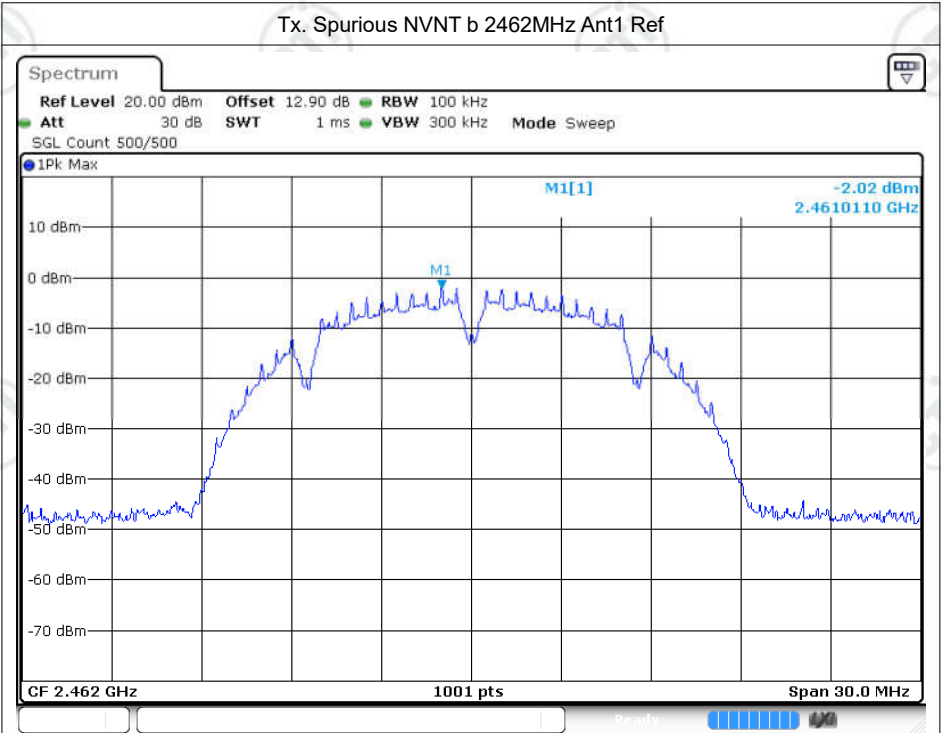
Date: 12.NOV.2022 13:47:38



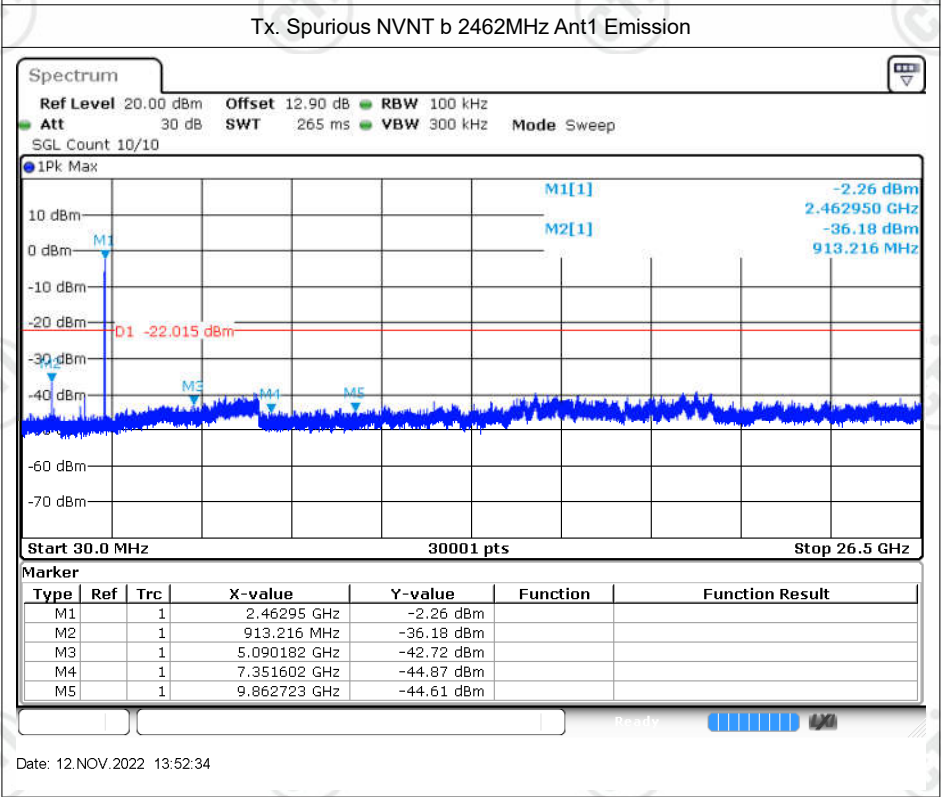
Date: 12.NOV.2022 13:50:22



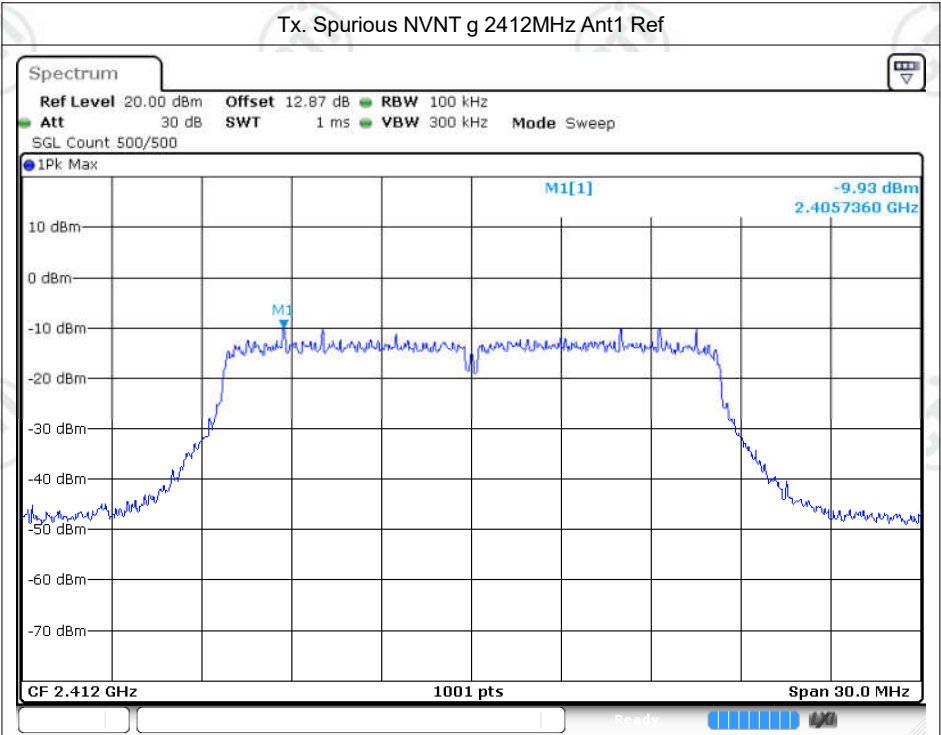
Date: 12.NOV.2022 13:50:32



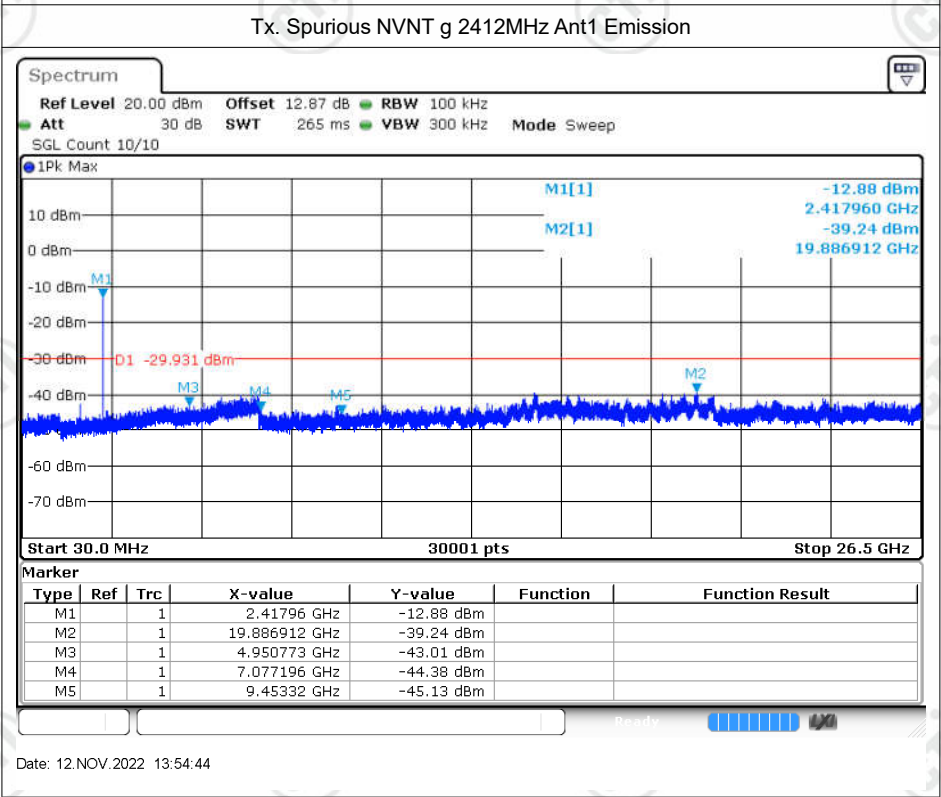
Date: 12.NOV.2022 13:52:23



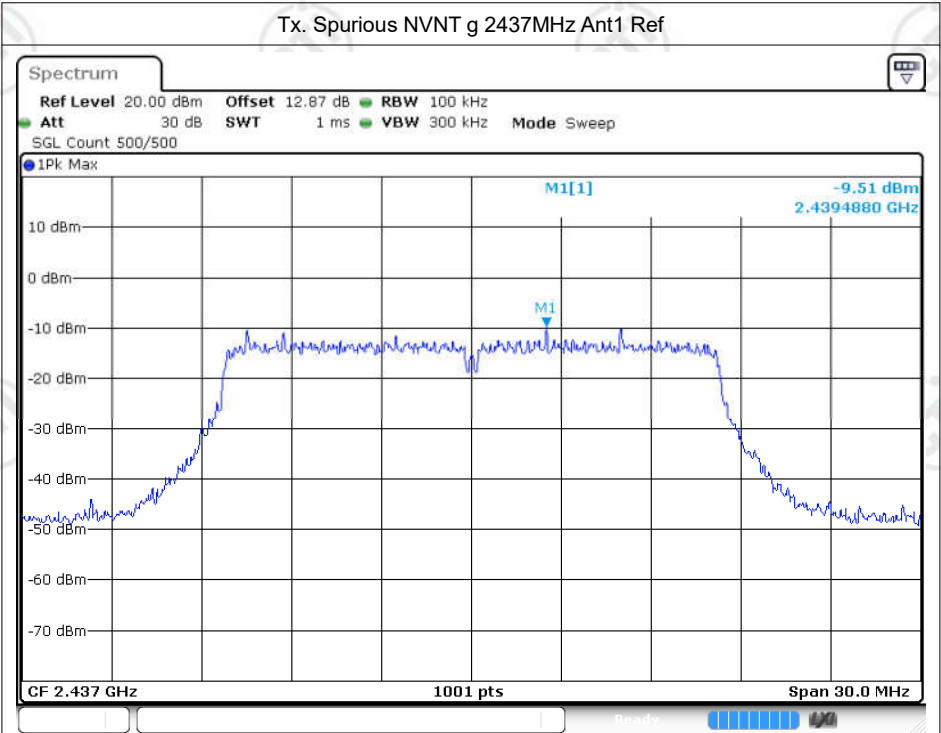
Date: 12.NOV.2022 13:52:34



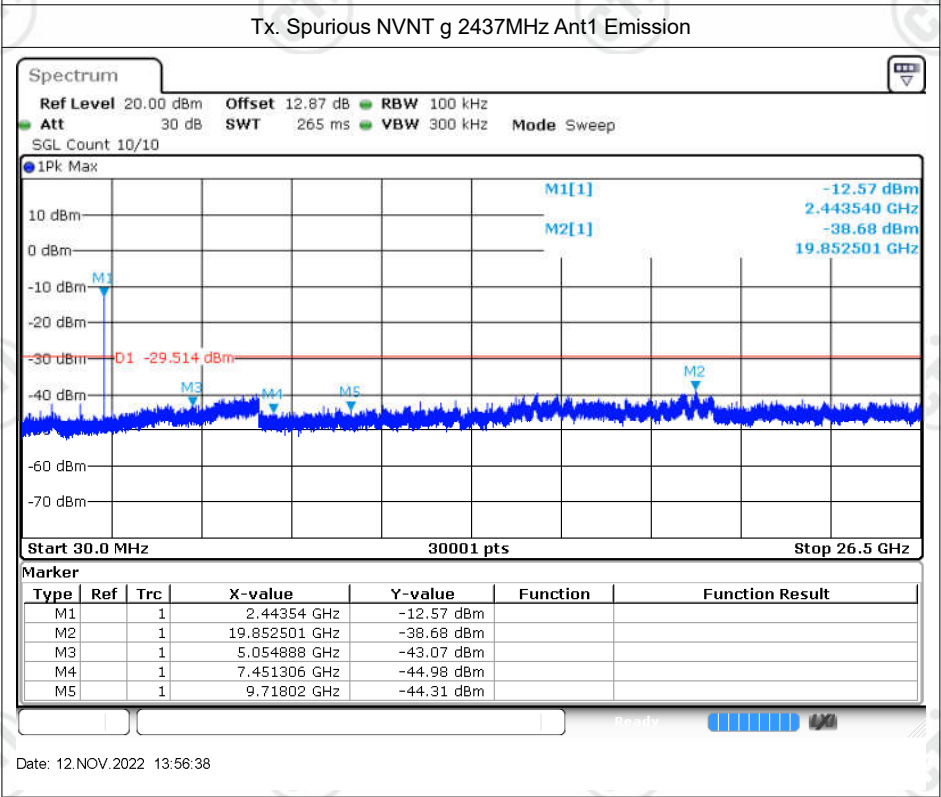
Date: 12.NOV.2022 13:54:34



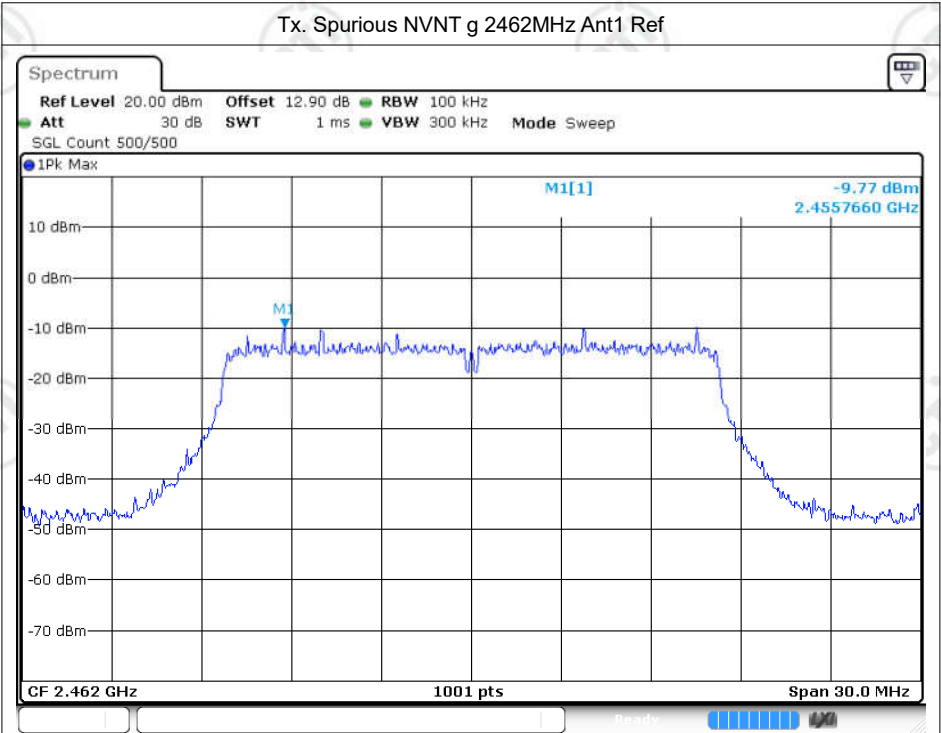
Date: 12.NOV.2022 13:54:44



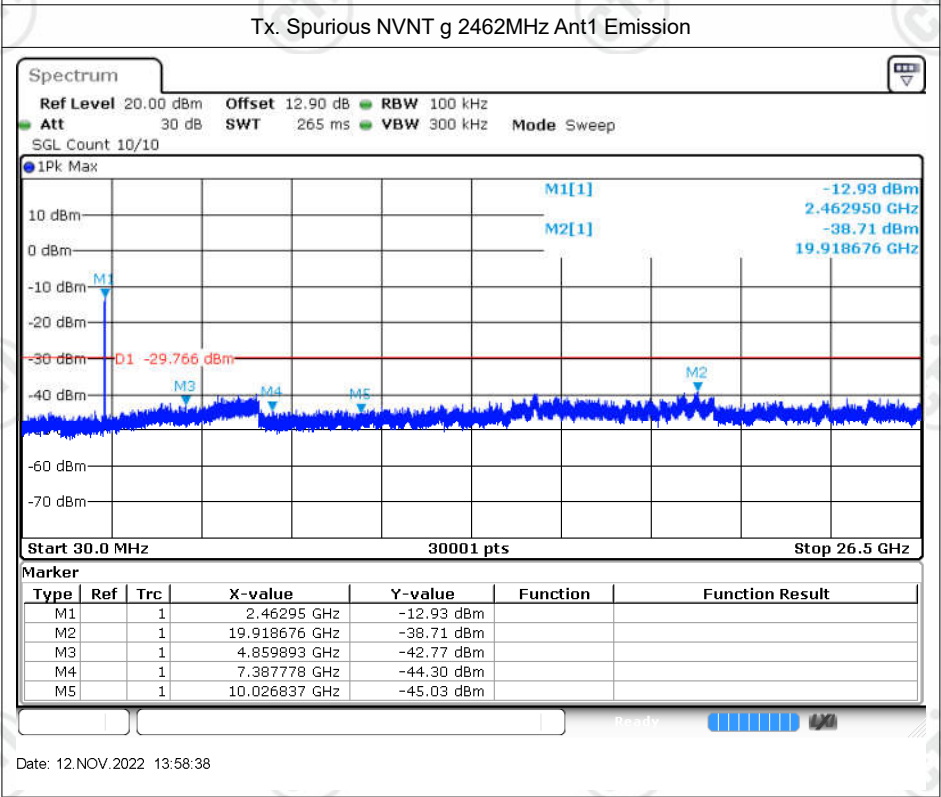
Date: 12.NOV.2022 13:56:28



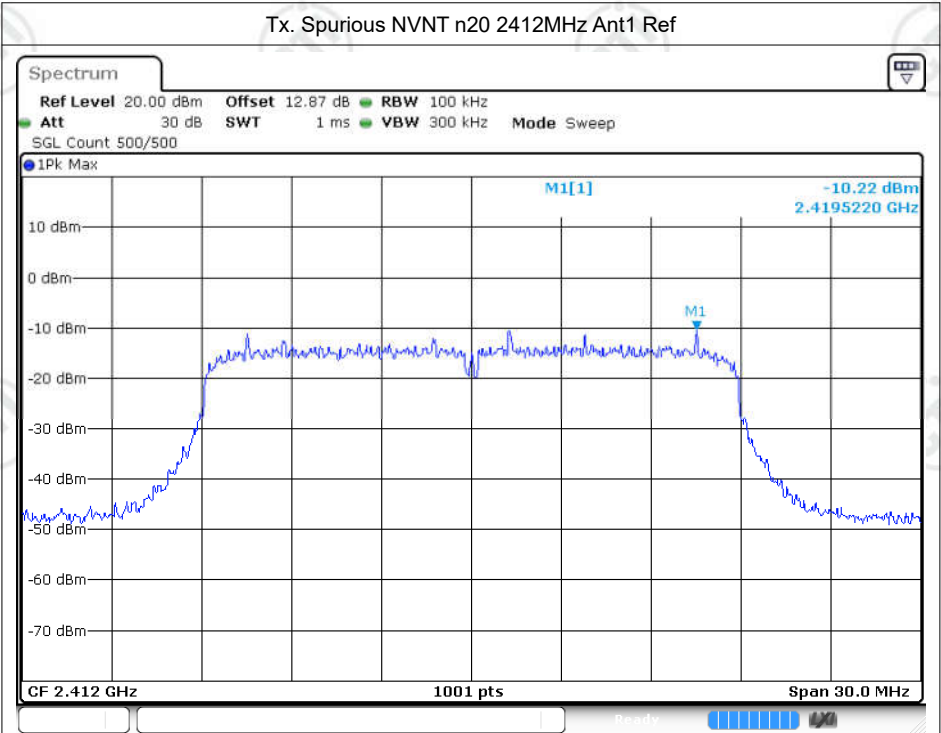
Date: 12.NOV.2022 13:56:38



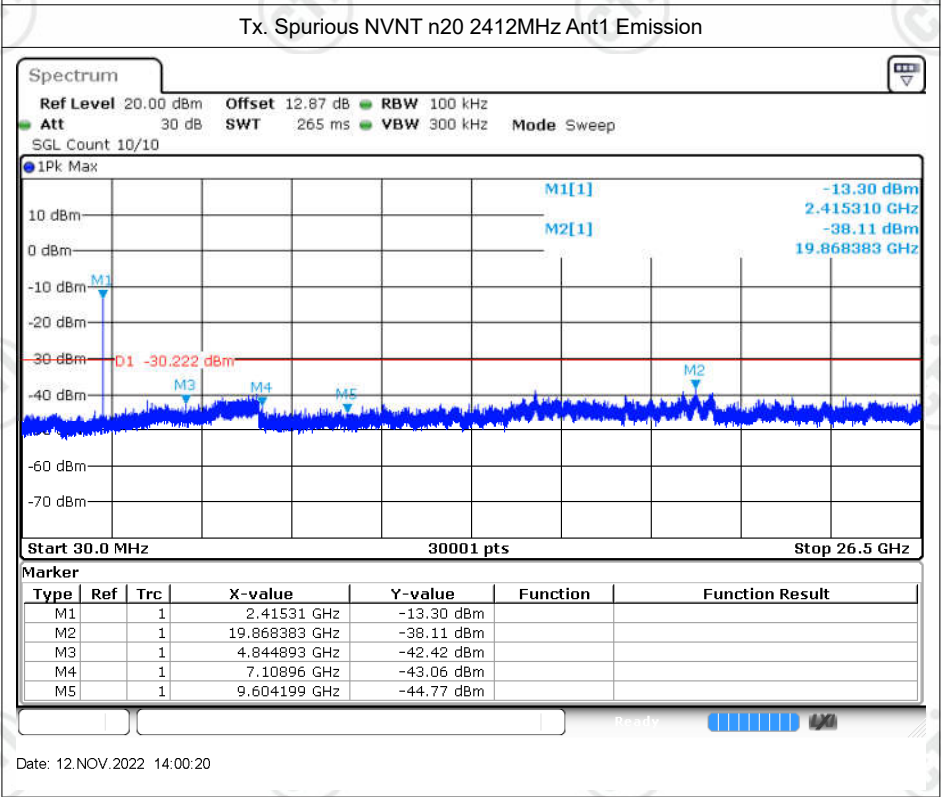
Date: 12.NOV.2022 13:58:28



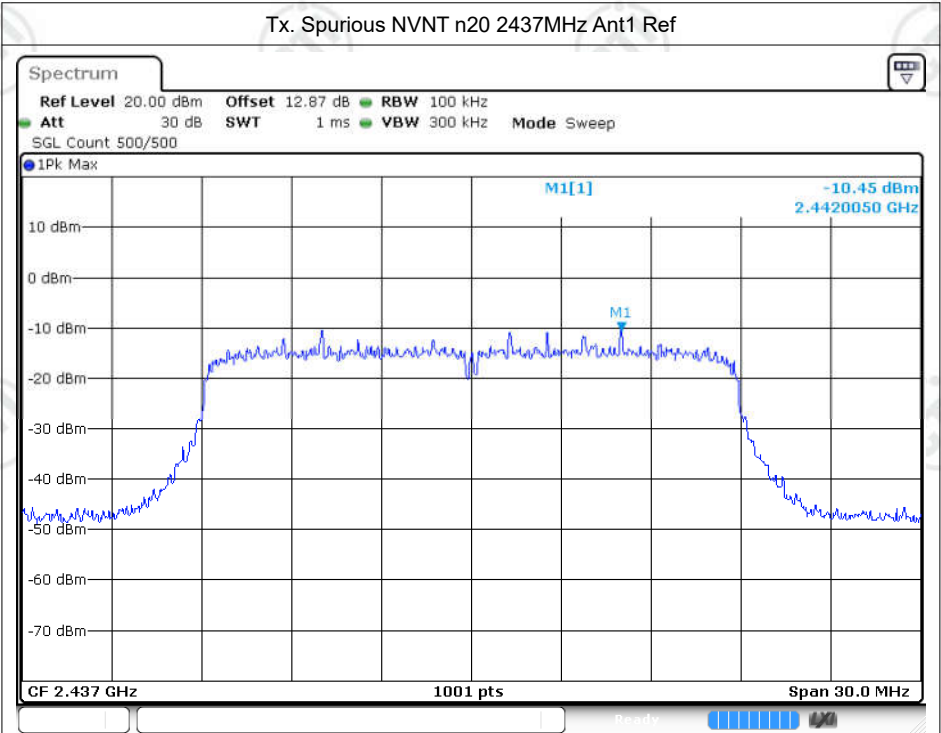
Date: 12.NOV.2022 13:58:38



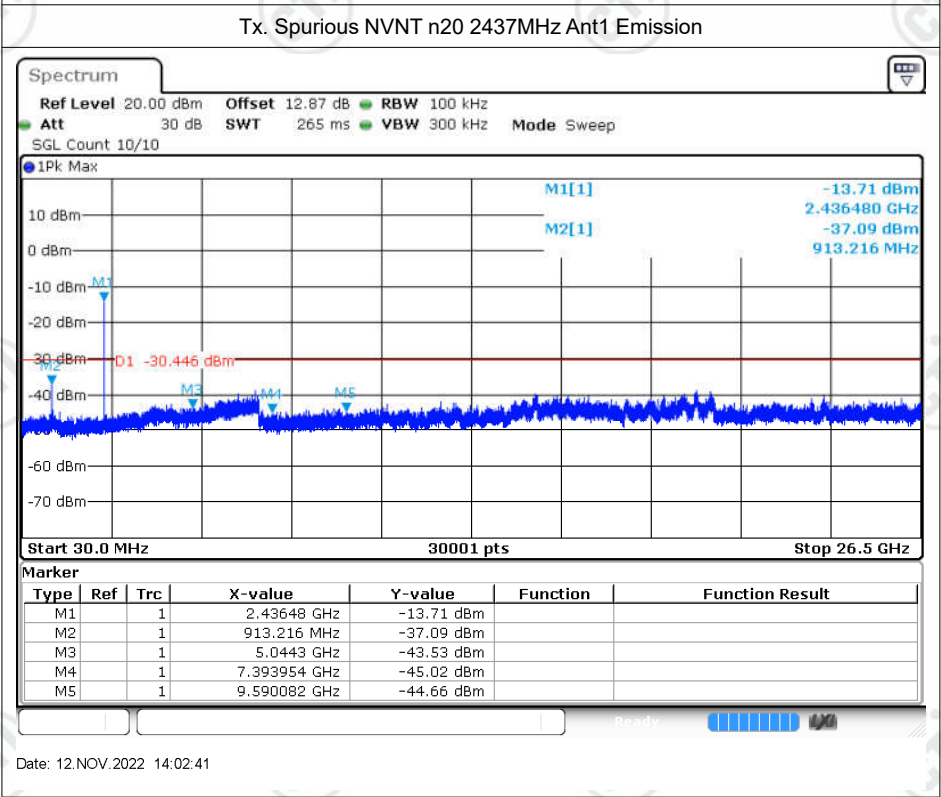
Date: 12.NOV.2022 14:00:10



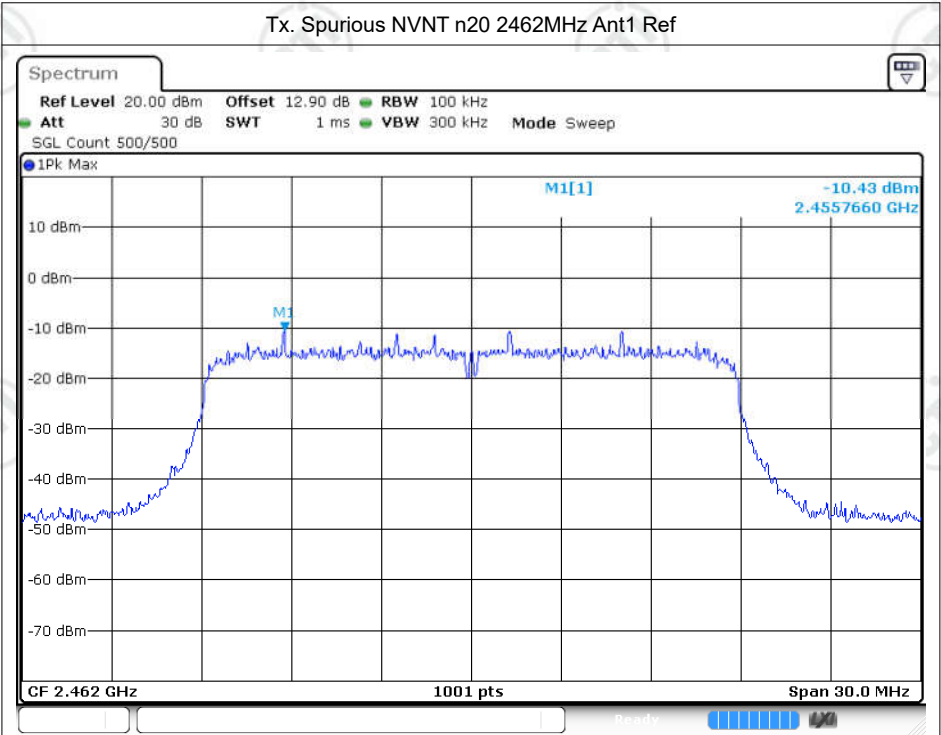
Date: 12.NOV.2022 14:00:20



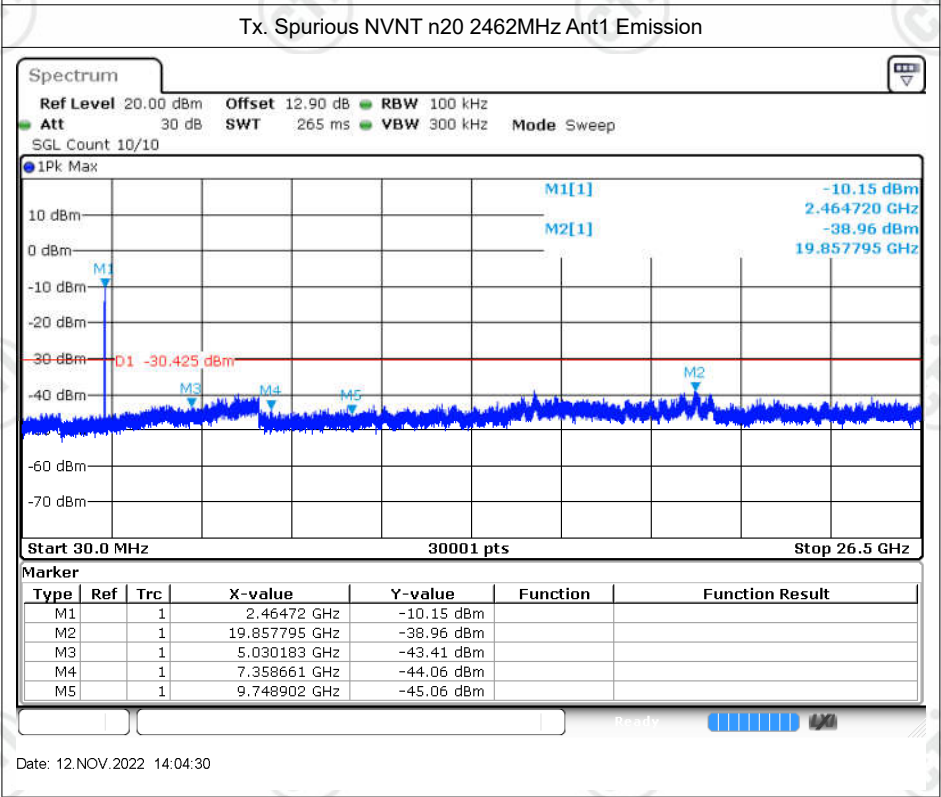
Date: 12.NOV.2022 14:02:30



Date: 12.NOV.2022 14:02:41



Date: 12.NOV.2022 14:04:20



Date: 12.NOV.2022 14:04:30

*** End of Report ***