

Appendix: 2.4G WIFI

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 9

-6dB Bandwidth 10

Occupied Channel Bandwidth 16

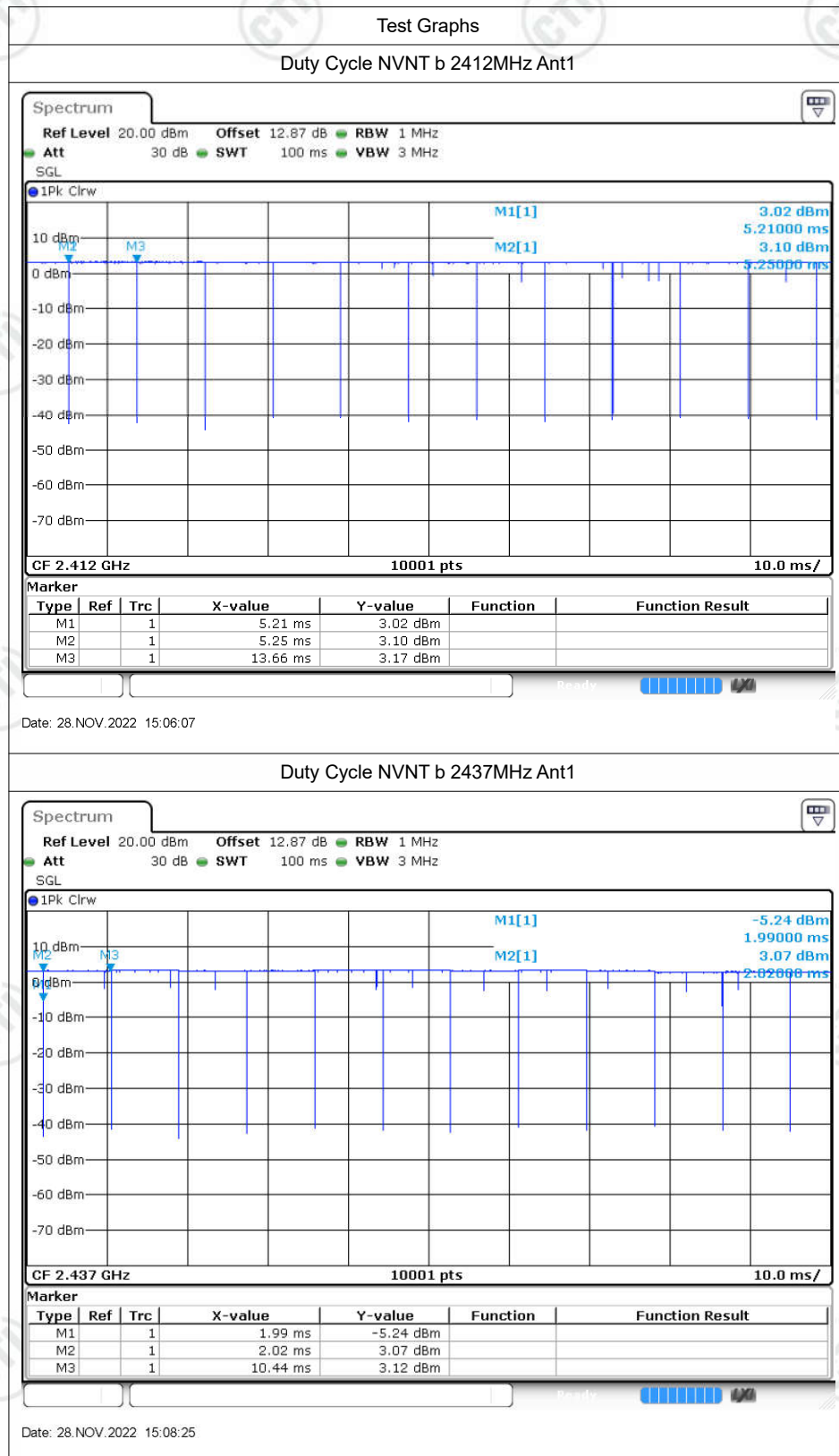
Maximum Power Spectral Density Level 22

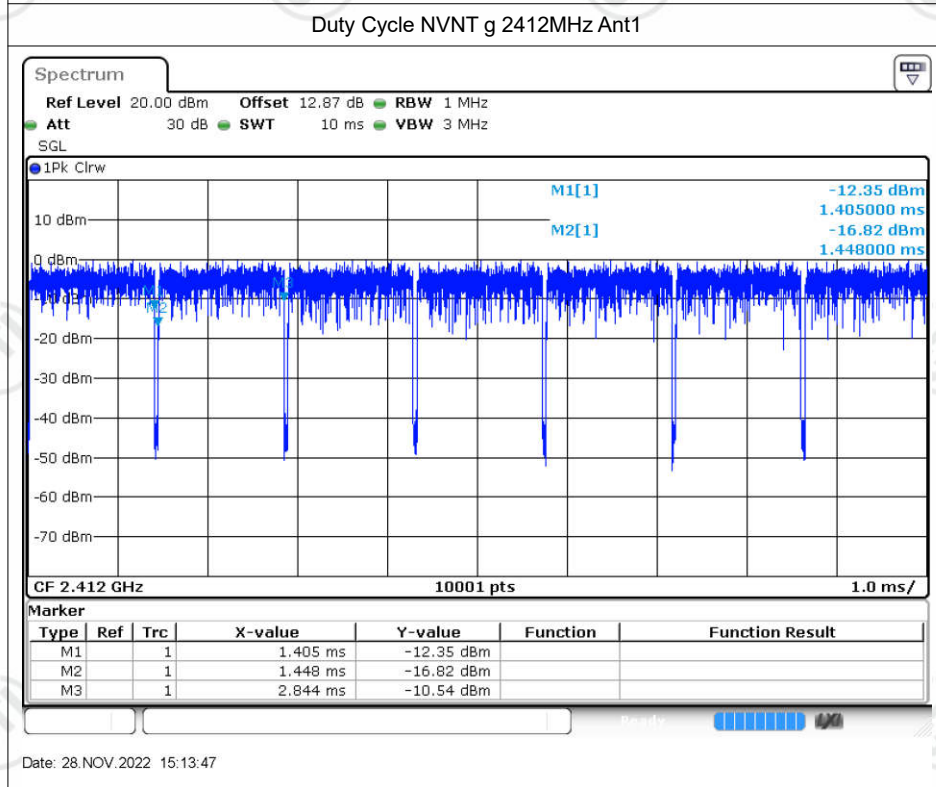
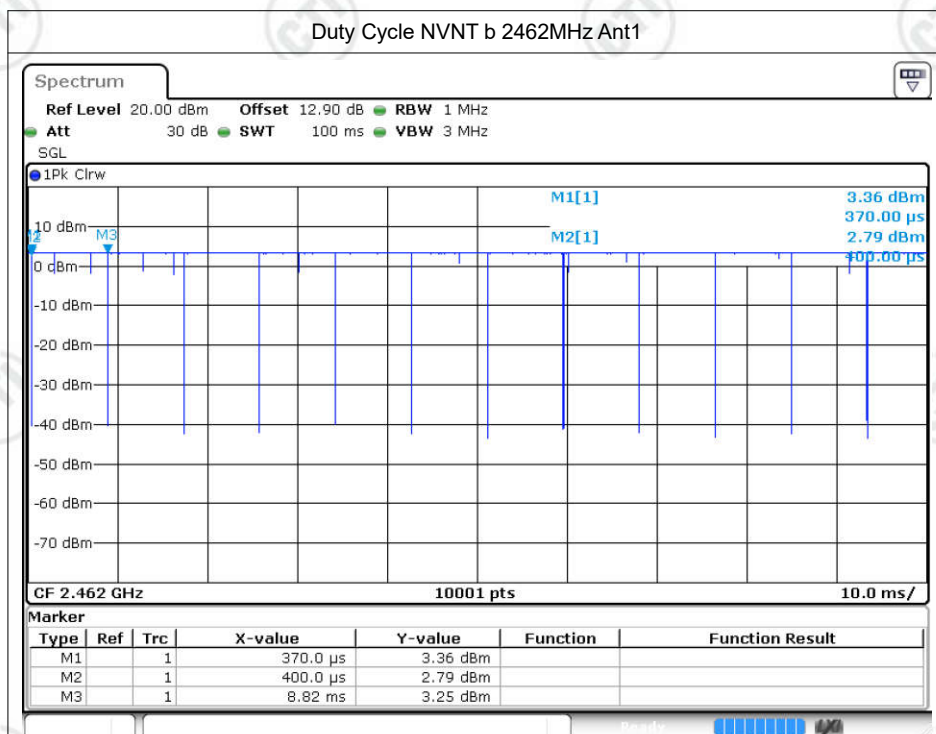
Band Edge 28

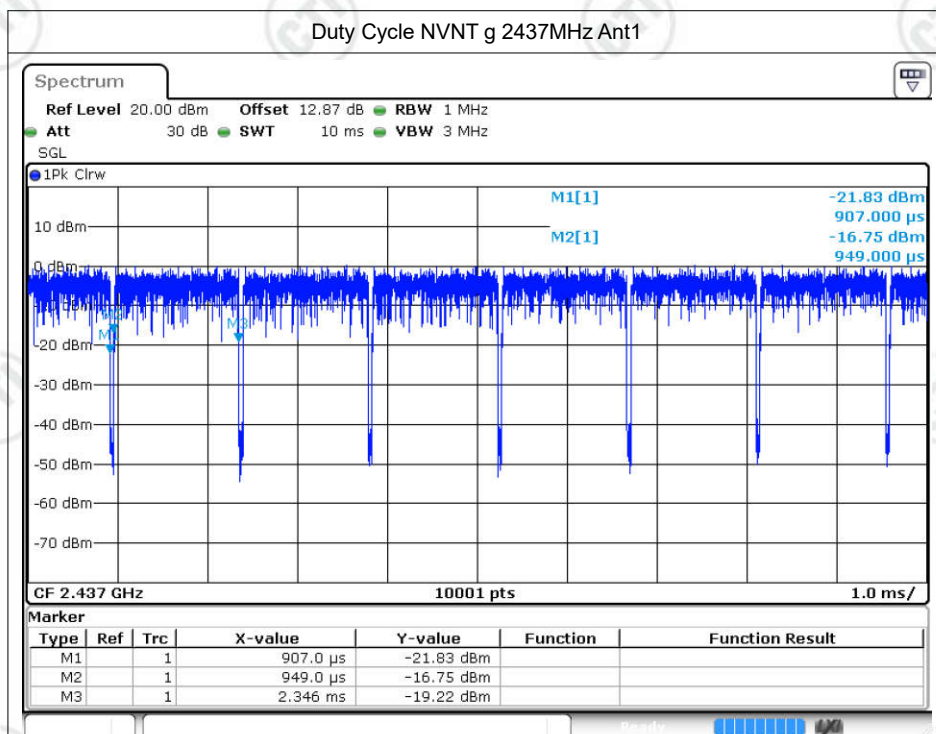
Conducted RF Spurious Emission 35

Duty Cycle

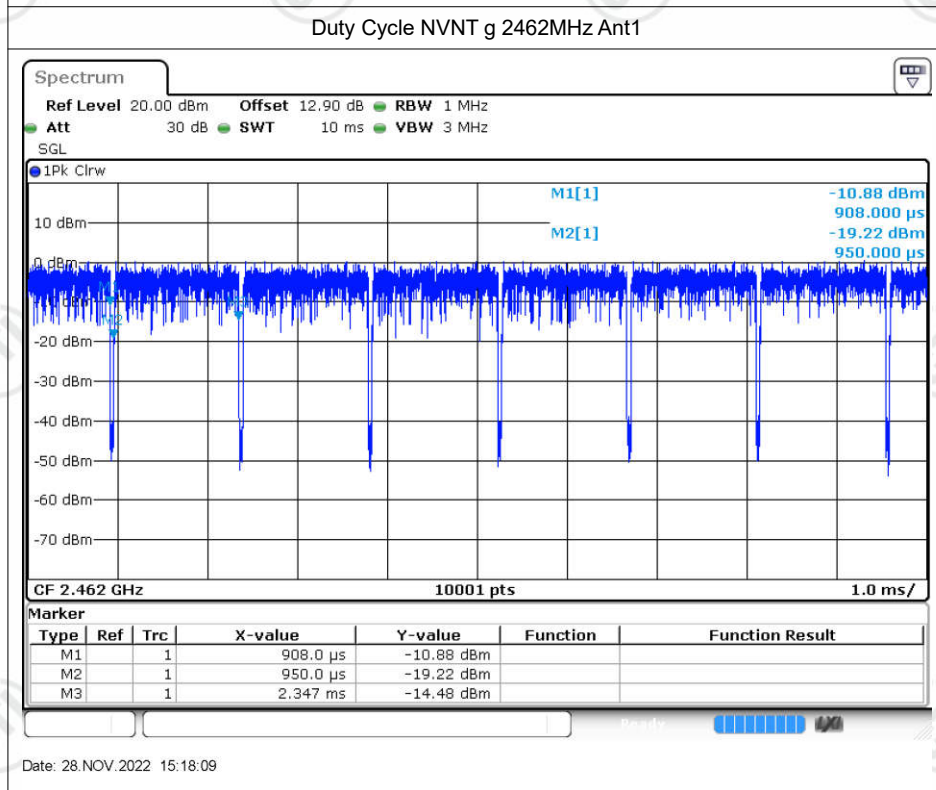
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.53	0	0.12
NVNT	b	2437	Ant1	99.64	0	0.12
NVNT	b	2462	Ant1	99.64	0	0.12
NVNT	g	2412	Ant1	97.01	0.13	0.72
NVNT	g	2437	Ant1	97.08	0.13	0.72
NVNT	g	2462	Ant1	97.08	0.13	0.72
NVNT	n20	2412	Ant1	97.04	0.13	0.76
NVNT	n20	2437	Ant1	97.04	0.13	0.76
NVNT	n20	2462	Ant1	96.67	0.15	0.77



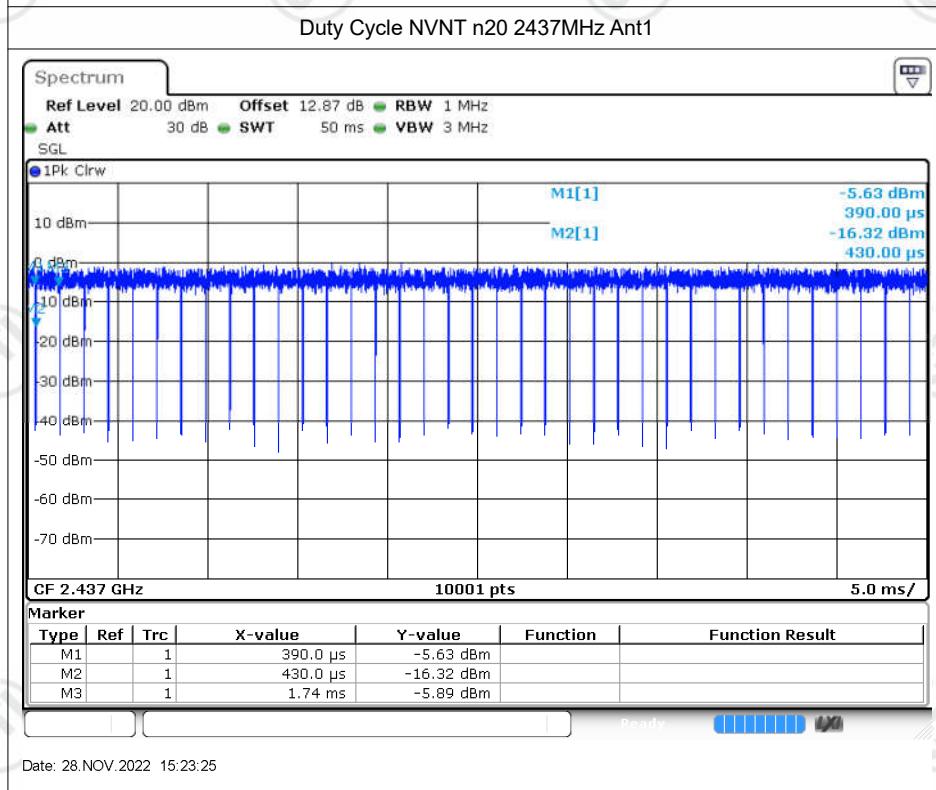
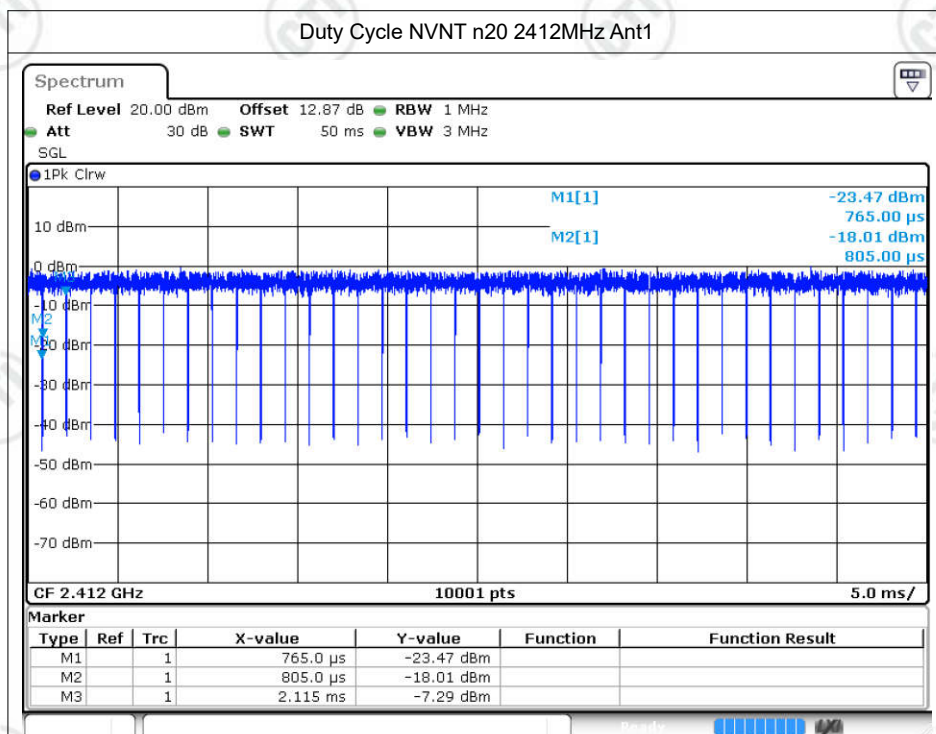


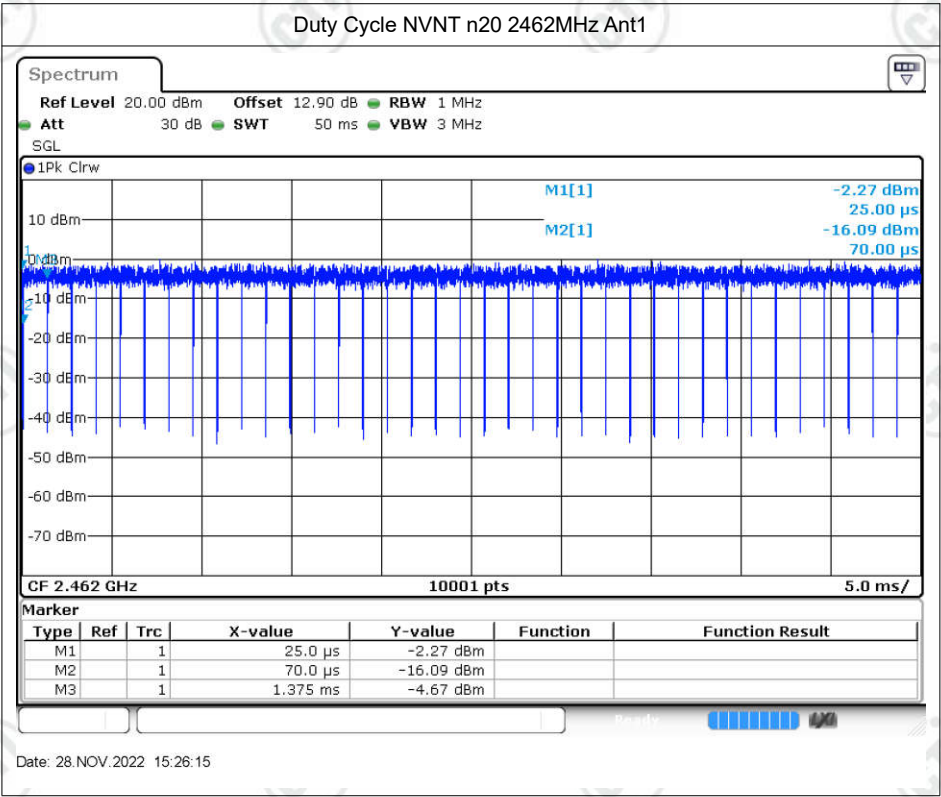


Date: 28.NOV.2022 15:15:59



Date: 28.NOV.2022 15:18:09



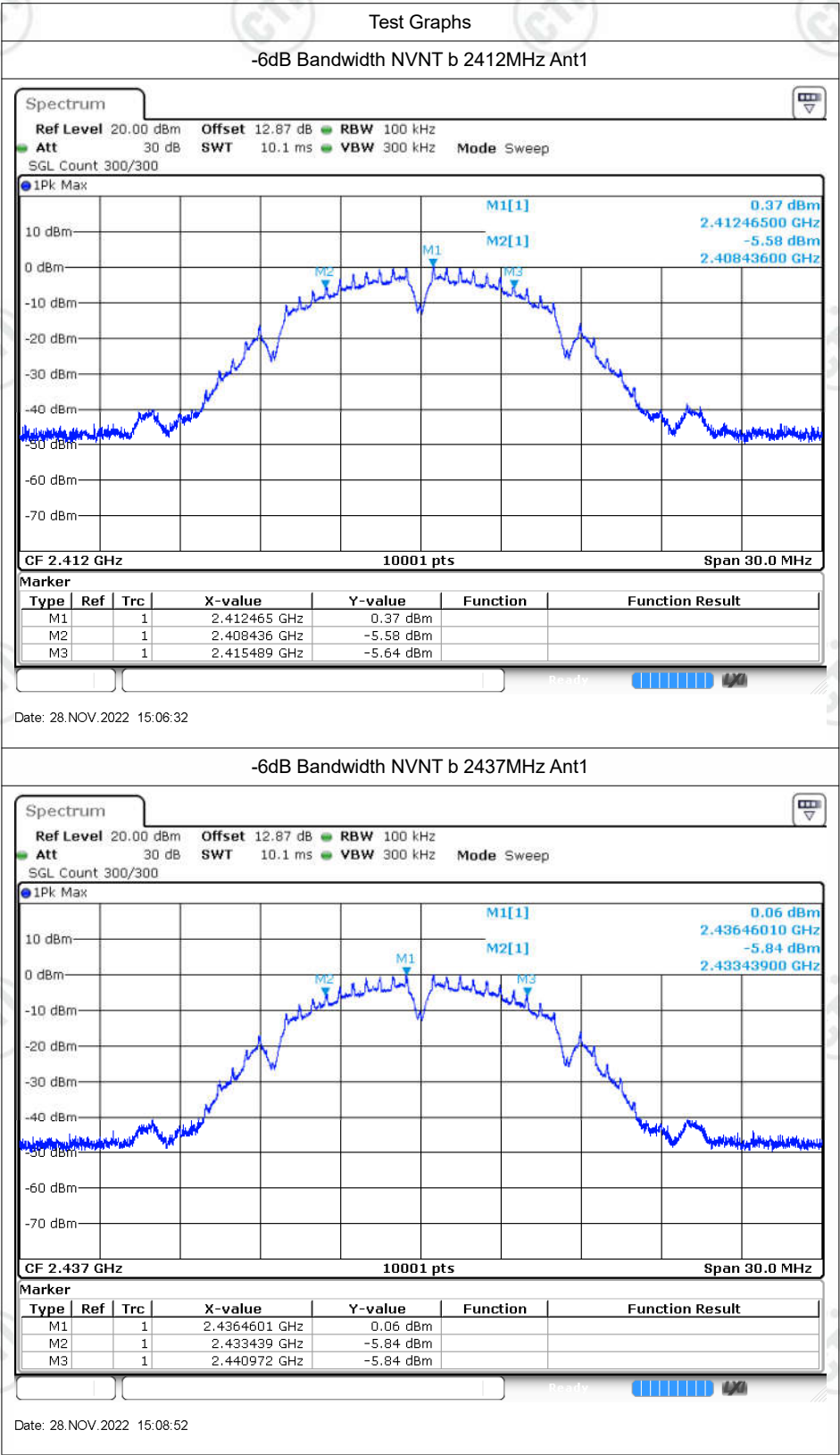


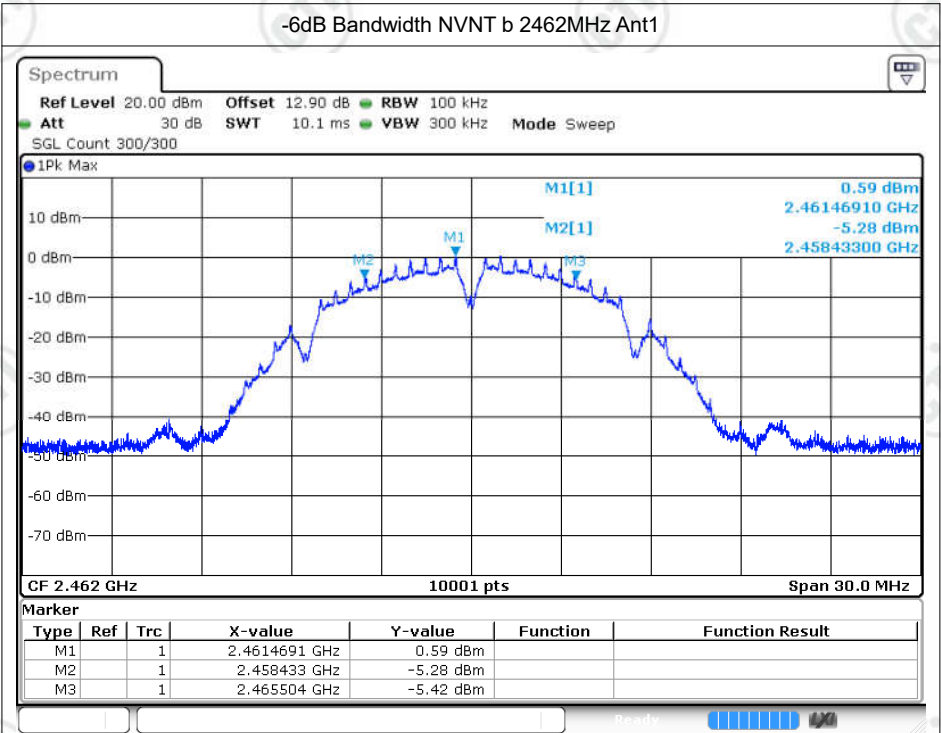
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	11.07	30	Pass
NVNT	b	2437	Ant1	11.18	30	Pass
NVNT	b	2462	Ant1	11.43	30	Pass
NVNT	g	2412	Ant1	10.10	30	Pass
NVNT	g	2437	Ant1	10.52	30	Pass
NVNT	g	2462	Ant1	10.56	30	Pass
NVNT	n20	2412	Ant1	9.39	30	Pass
NVNT	n20	2437	Ant1	9.14	30	Pass
NVNT	n20	2462	Ant1	9.02	30	Pass

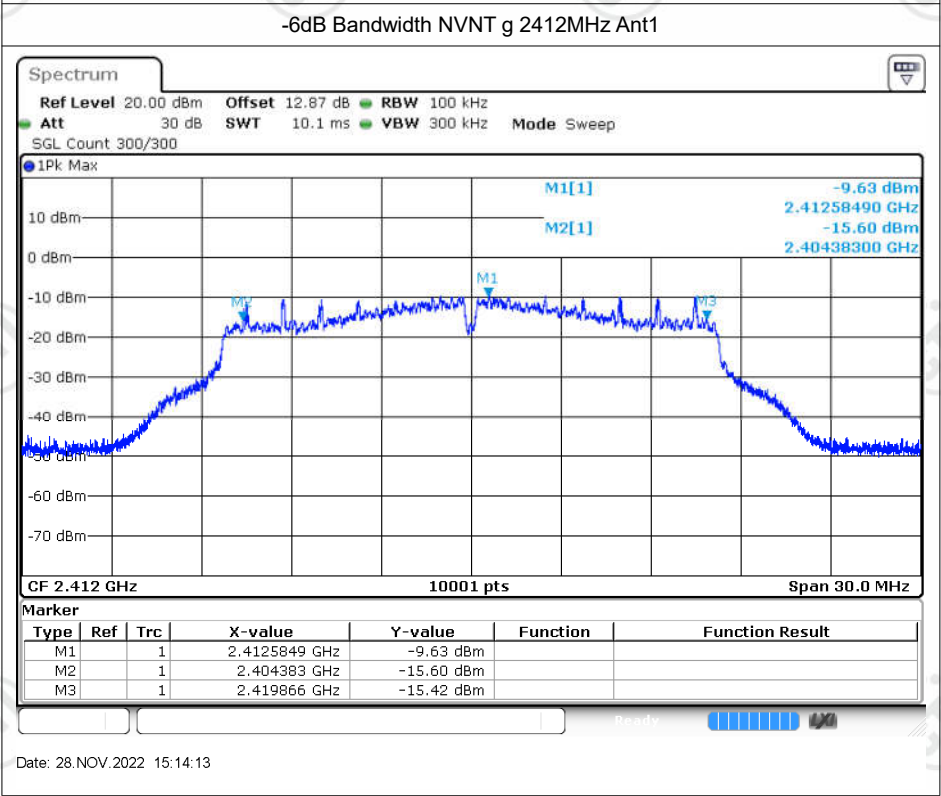
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.053	0.5	Pass
NVNT	b	2437	Ant1	7.533	0.5	Pass
NVNT	b	2462	Ant1	7.071	0.5	Pass
NVNT	g	2412	Ant1	15.483	0.5	Pass
NVNT	g	2437	Ant1	15.453	0.5	Pass
NVNT	g	2462	Ant1	15.153	0.5	Pass
NVNT	n20	2412	Ant1	15.714	0.5	Pass
NVNT	n20	2437	Ant1	15.138	0.5	Pass
NVNT	n20	2462	Ant1	15.15	0.5	Pass

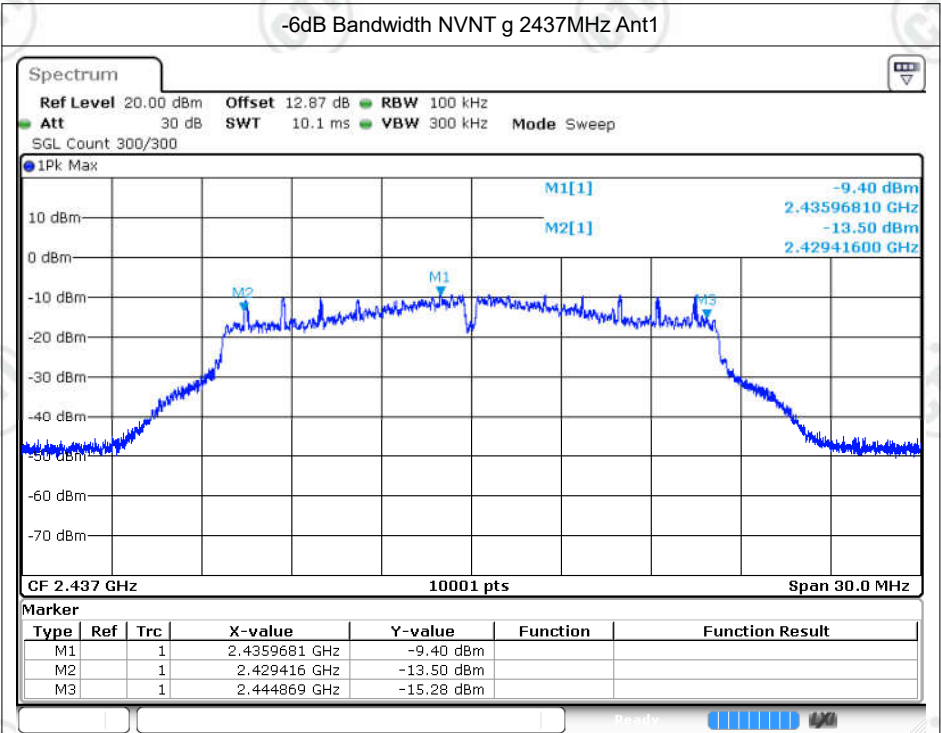




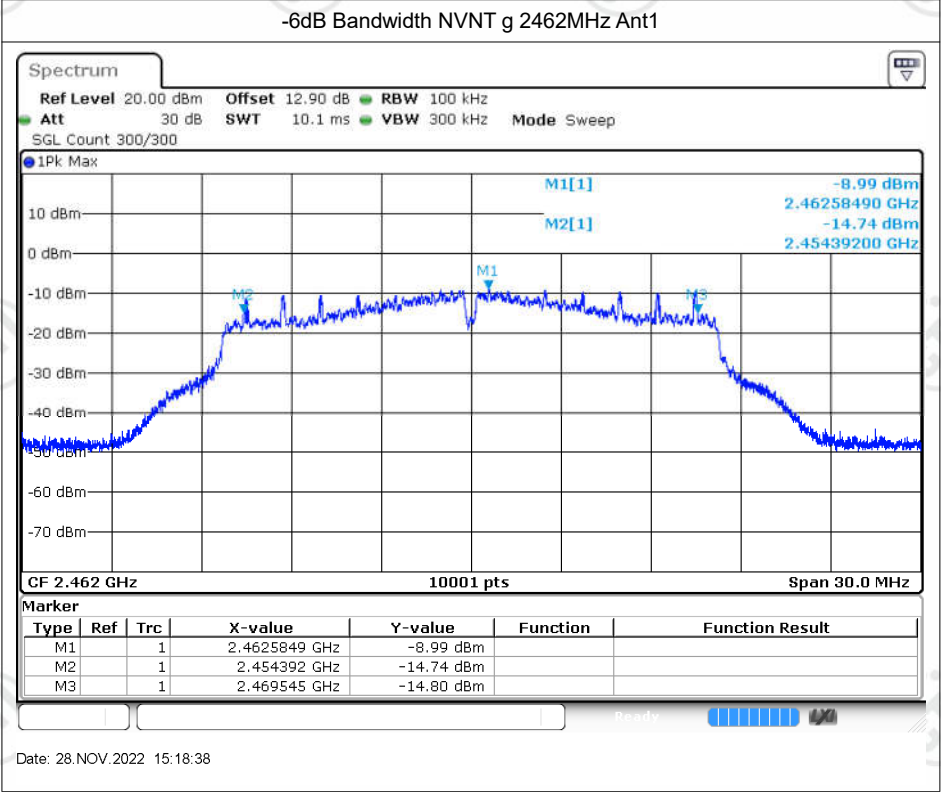
Date: 28.NOV.2022 15:10:38



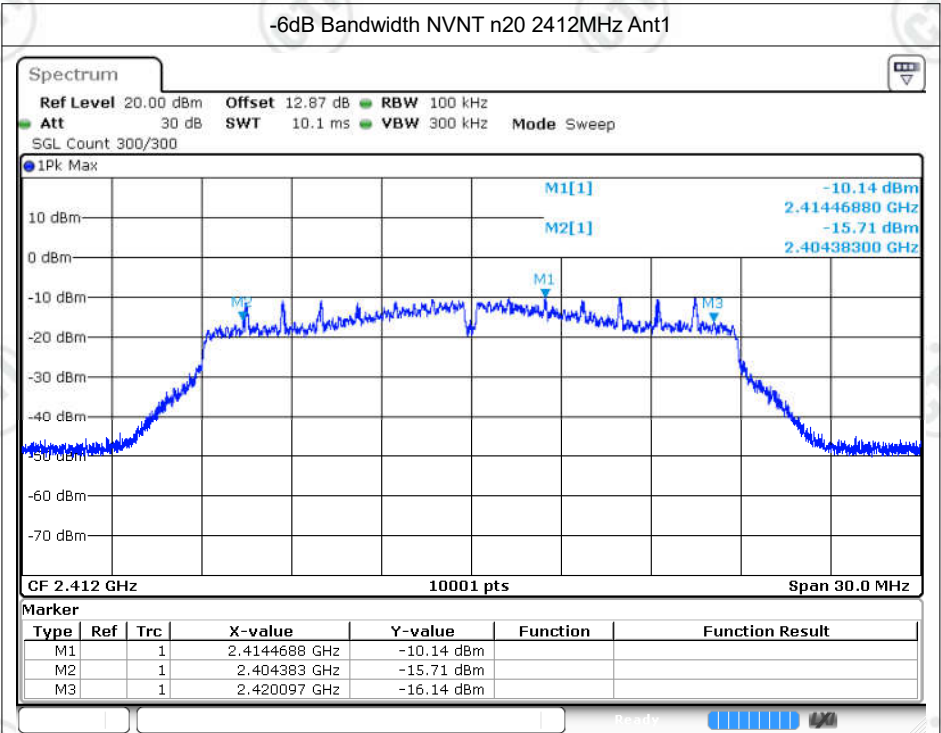
Date: 28.NOV.2022 15:14:13



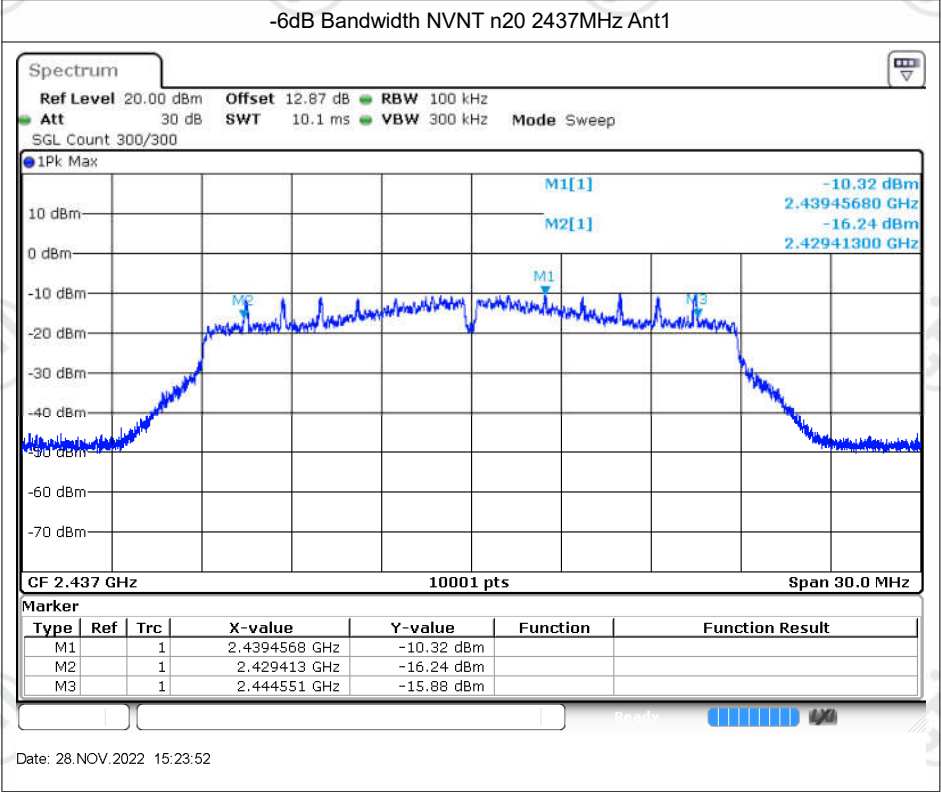
Date: 28.NOV.2022 15:16:26



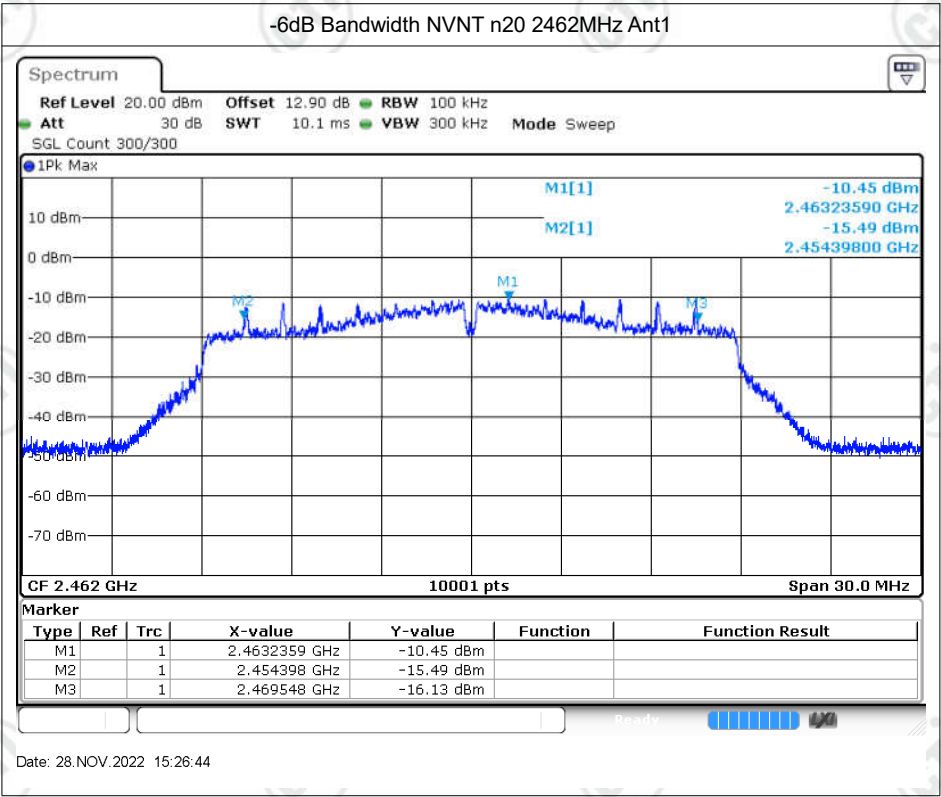
Date: 28.NOV.2022 15:18:38



Date: 28.NOV.2022 15:21:09

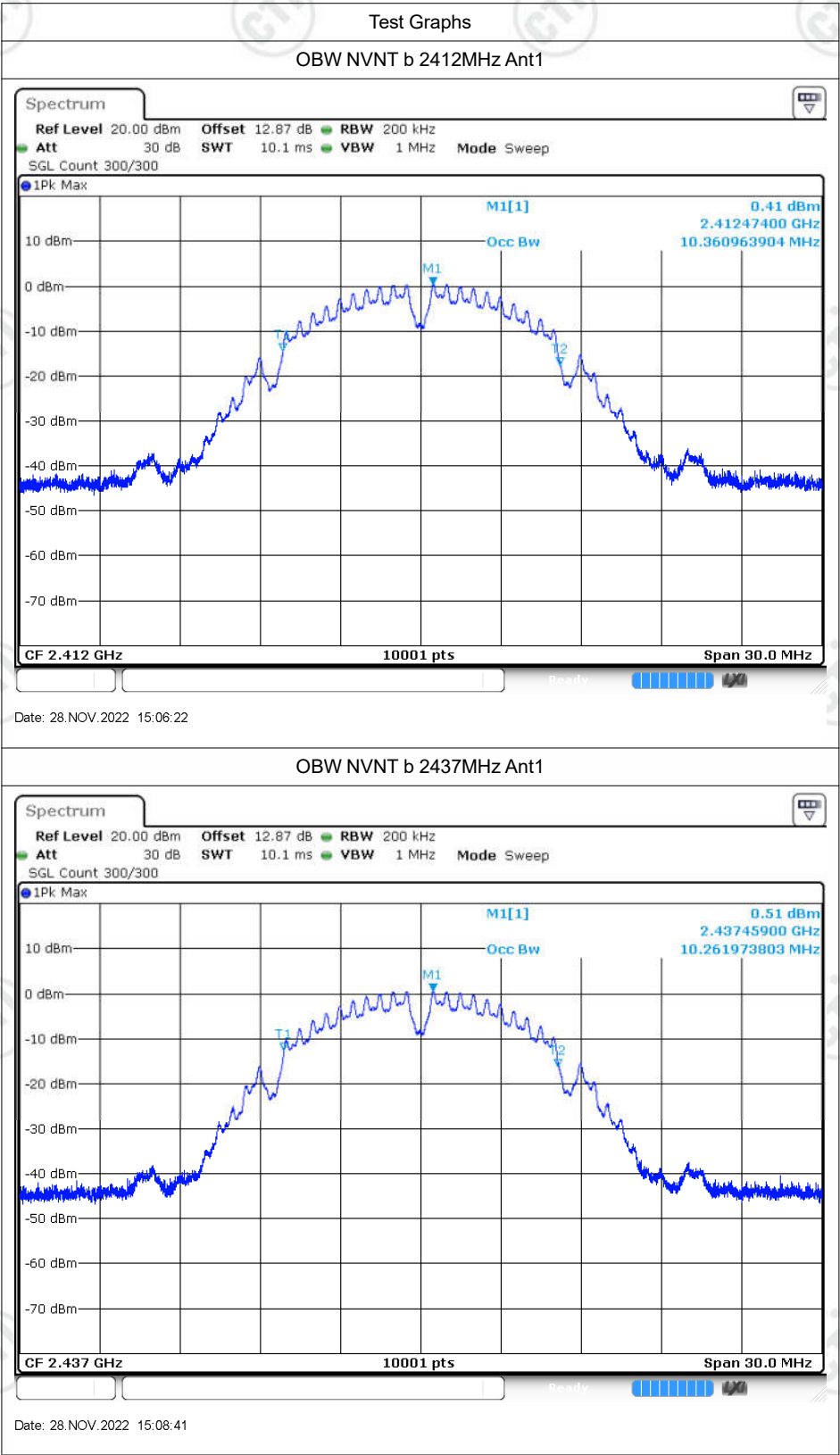


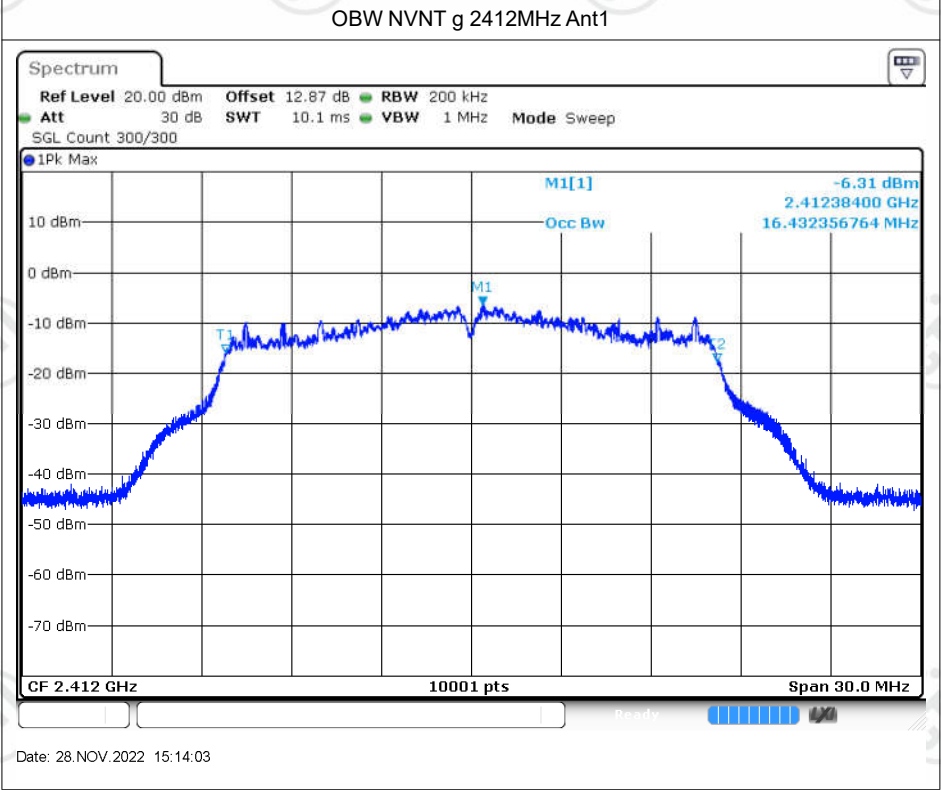
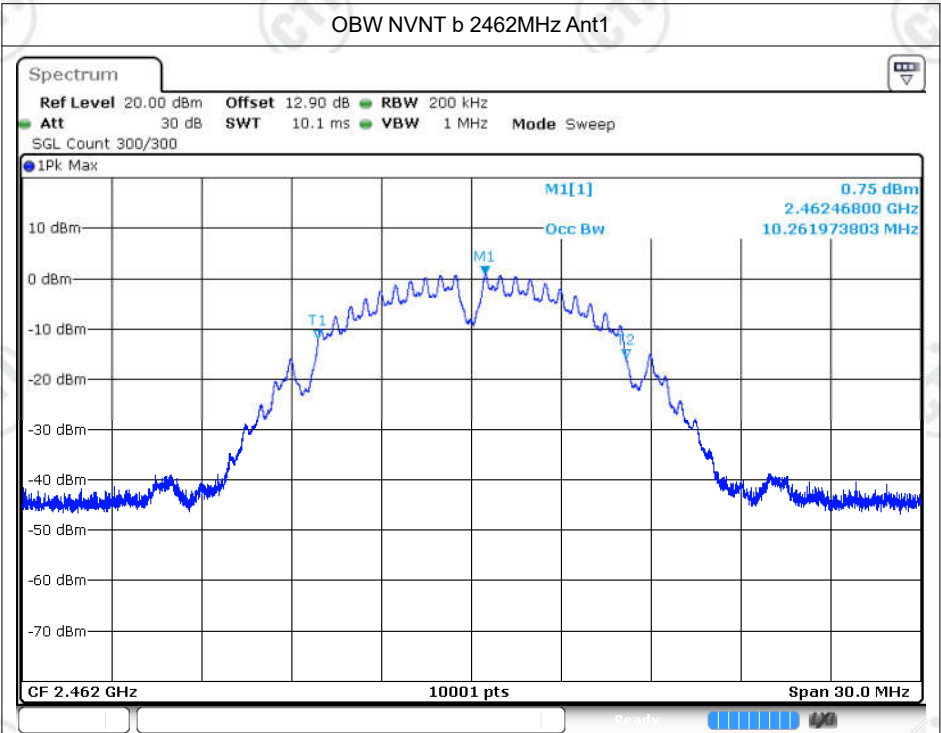
Date: 28.NOV.2022 15:23:52

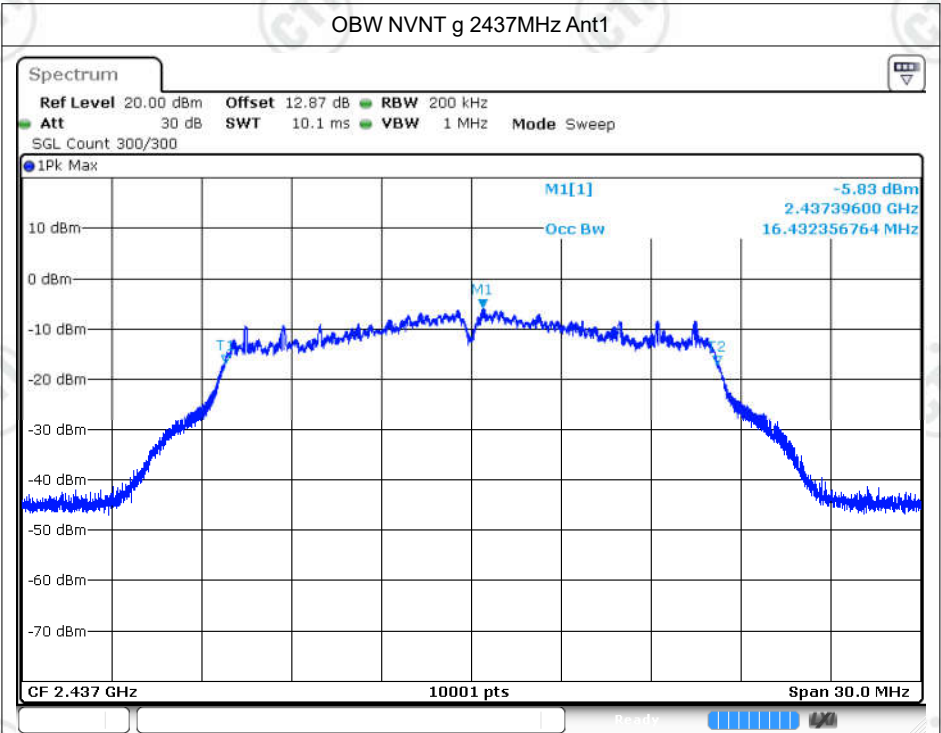


Occupied Channel Bandwidth

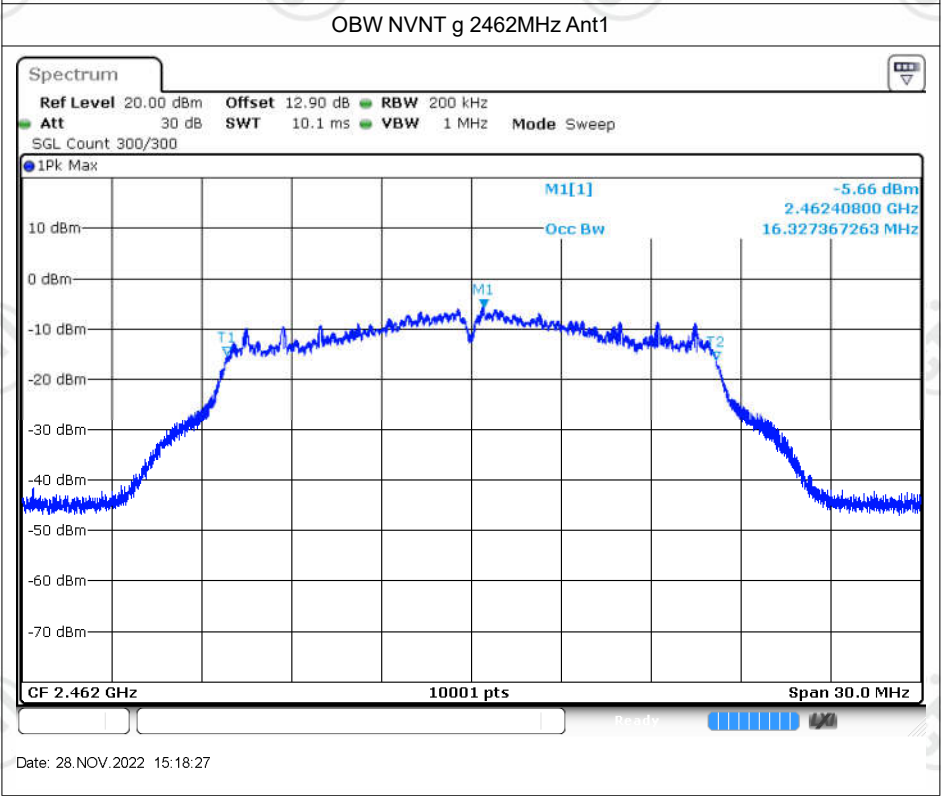
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	10.361
NVNT	b	2437	Ant1	10.262
NVNT	b	2462	Ant1	10.262
NVNT	g	2412	Ant1	16.432
NVNT	g	2437	Ant1	16.432
NVNT	g	2462	Ant1	16.327
NVNT	n20	2412	Ant1	17.584
NVNT	n20	2437	Ant1	17.578
NVNT	n20	2462	Ant1	17.494



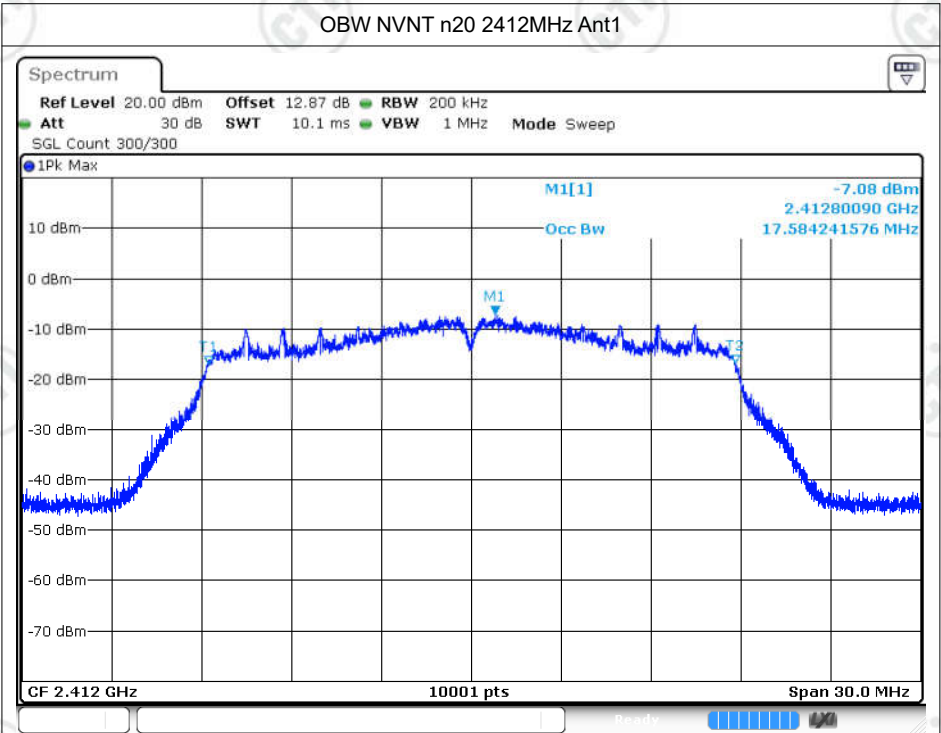




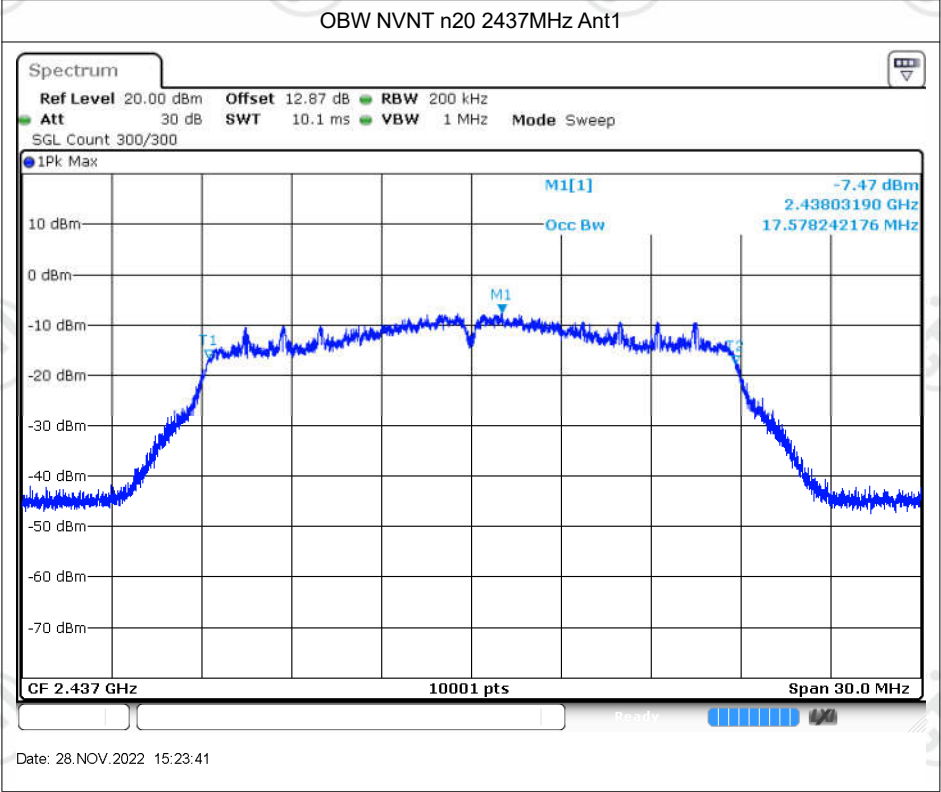
Date: 28.NOV.2022 15:16:15



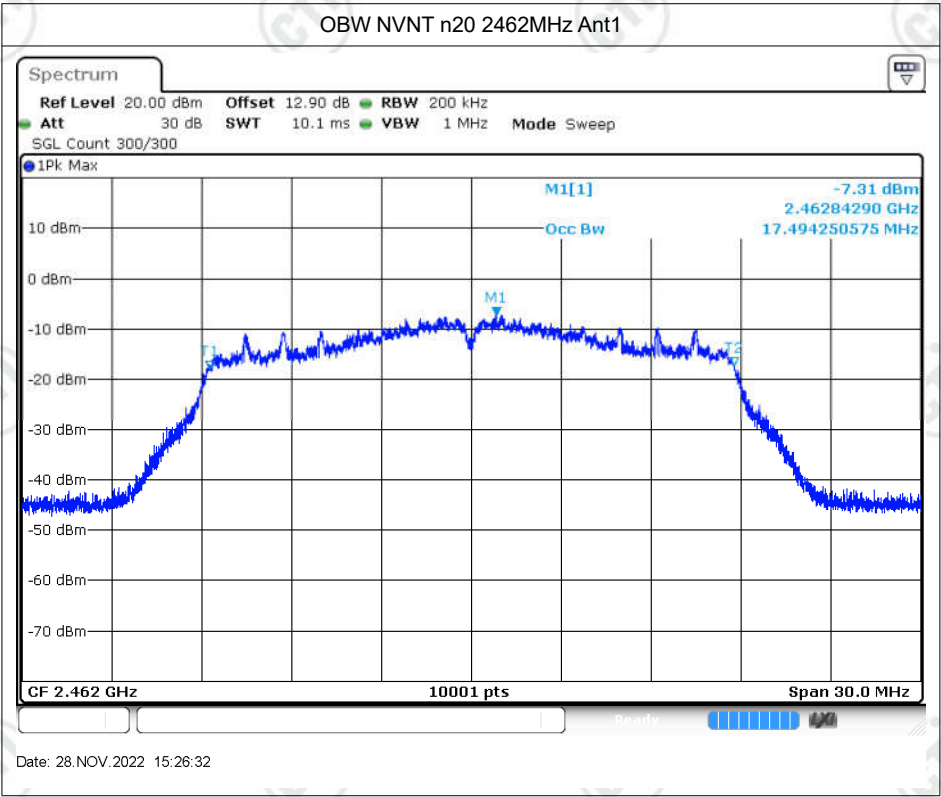
Date: 28.NOV.2022 15:18:27



Date: 28.NOV.2022 15:20:58

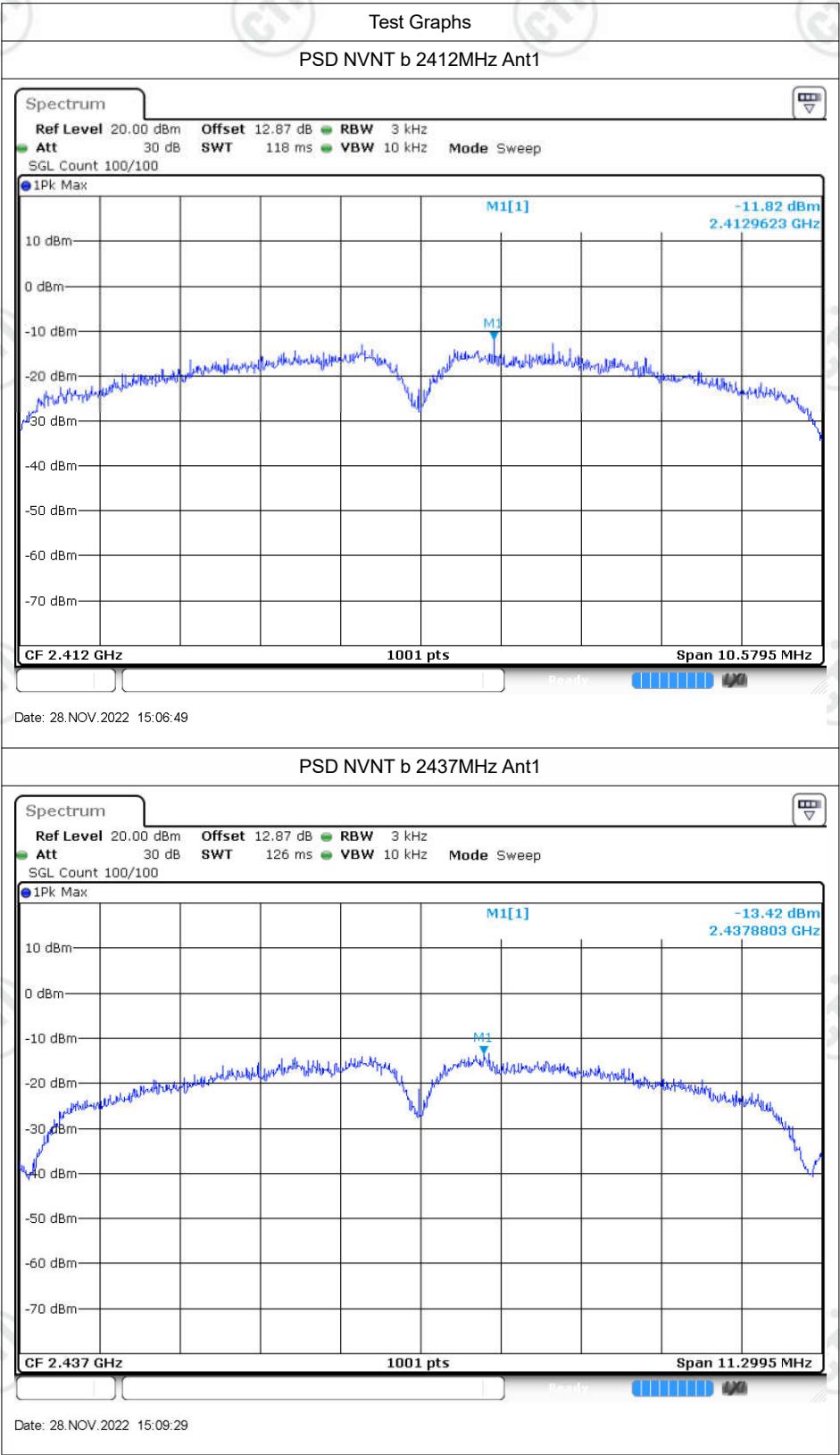


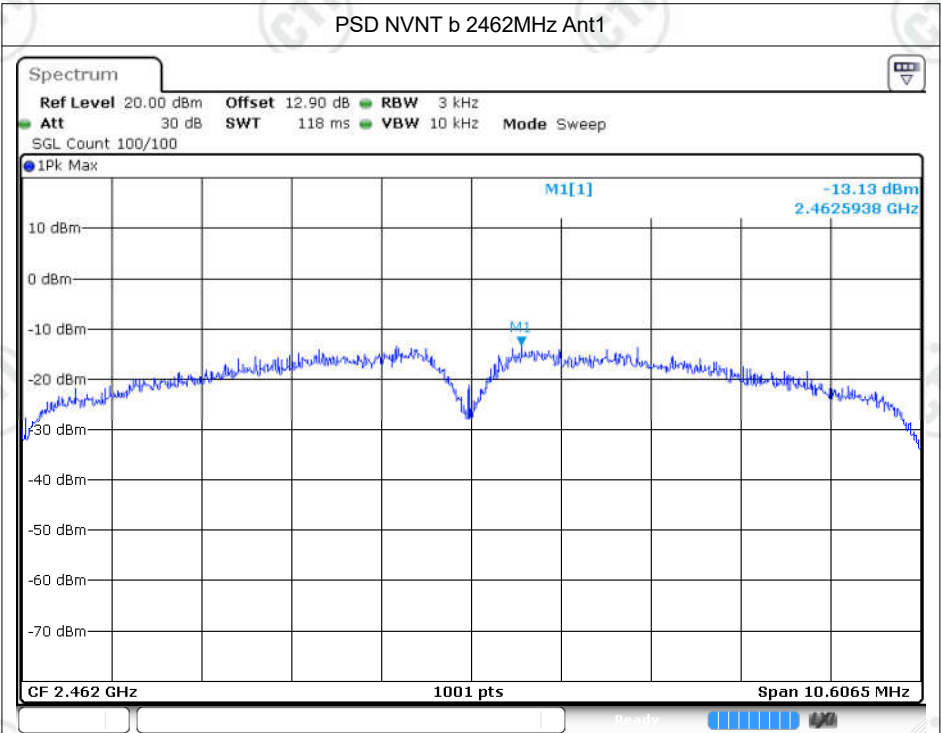
Date: 28.NOV.2022 15:23:41



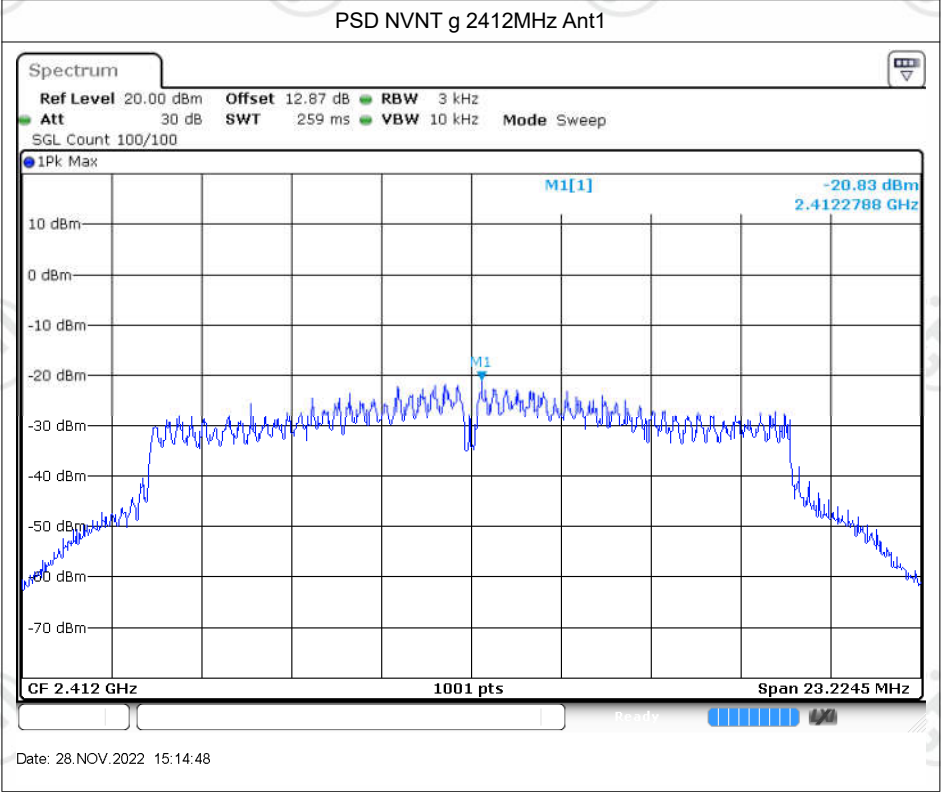
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-11.82	8	Pass
NVNT	b	2437	Ant1	-13.42	8	Pass
NVNT	b	2462	Ant1	-13.13	8	Pass
NVNT	g	2412	Ant1	-20.83	8	Pass
NVNT	g	2437	Ant1	-20.14	8	Pass
NVNT	g	2462	Ant1	-19.87	8	Pass
NVNT	n20	2412	Ant1	-21.59	8	Pass
NVNT	n20	2437	Ant1	-21.84	8	Pass
NVNT	n20	2462	Ant1	-21.66	8	Pass

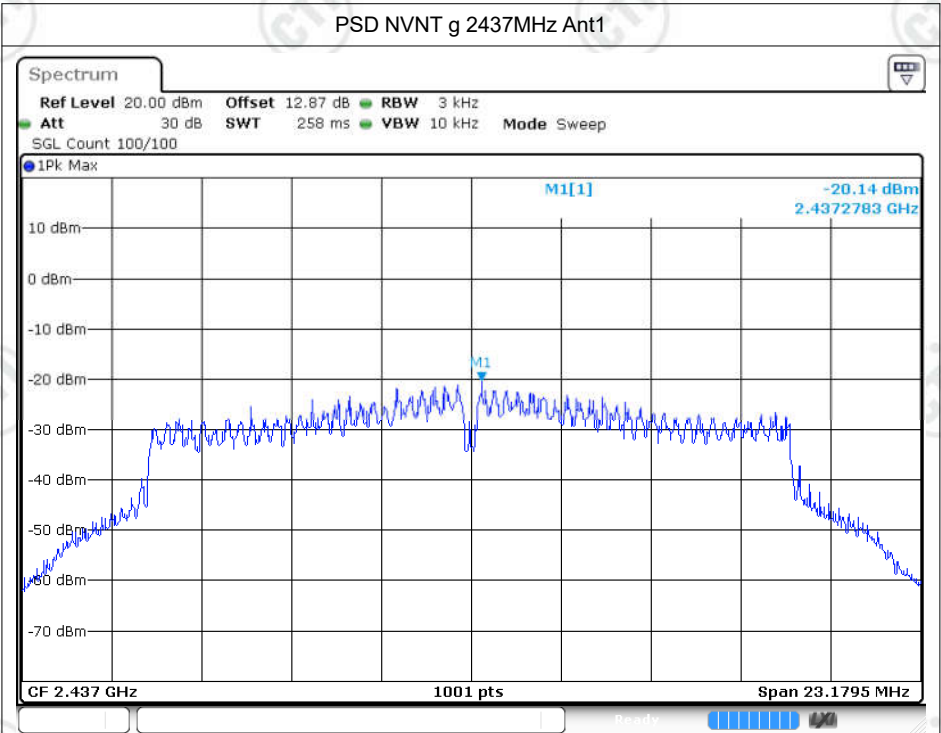




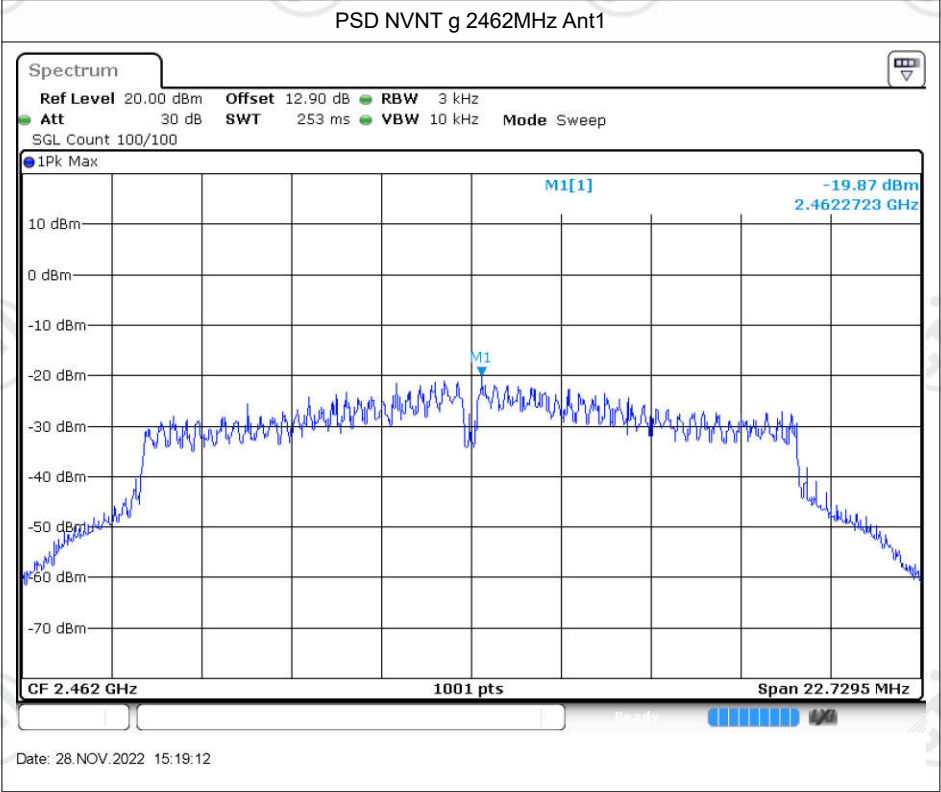
Date: 28.NOV.2022 15:10:56



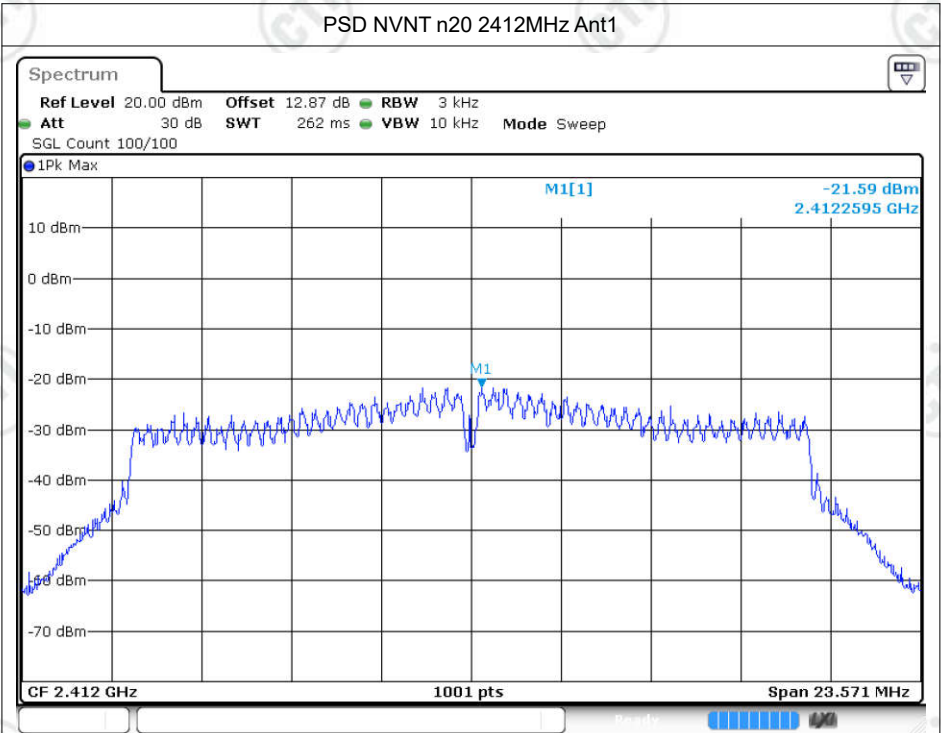
Date: 28.NOV.2022 15:14:48



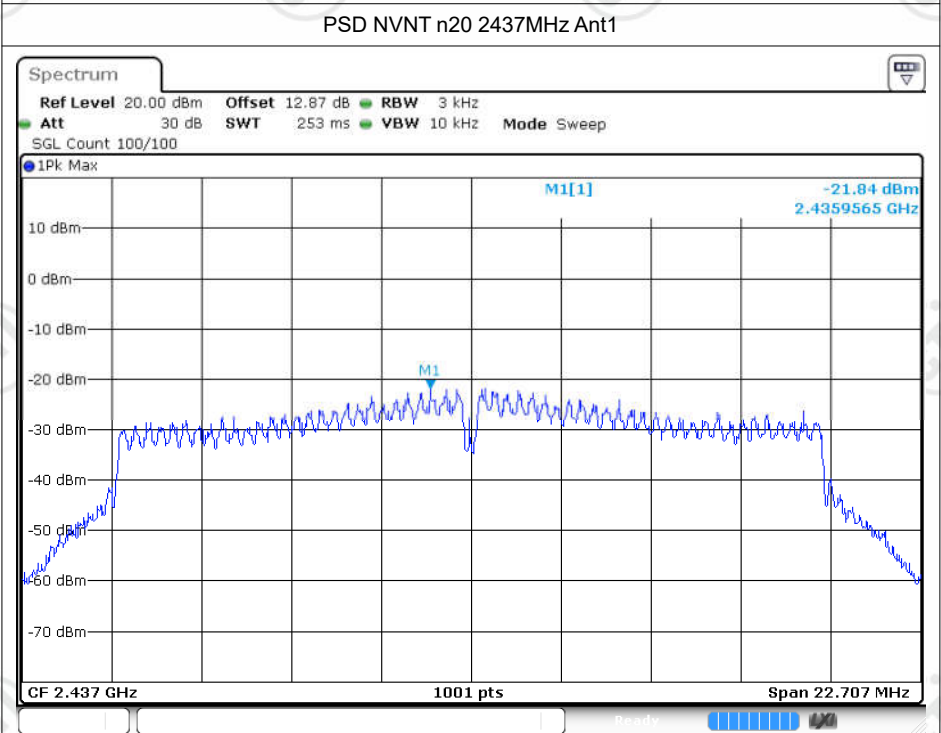
Date: 28.NOV.2022 15:17:20



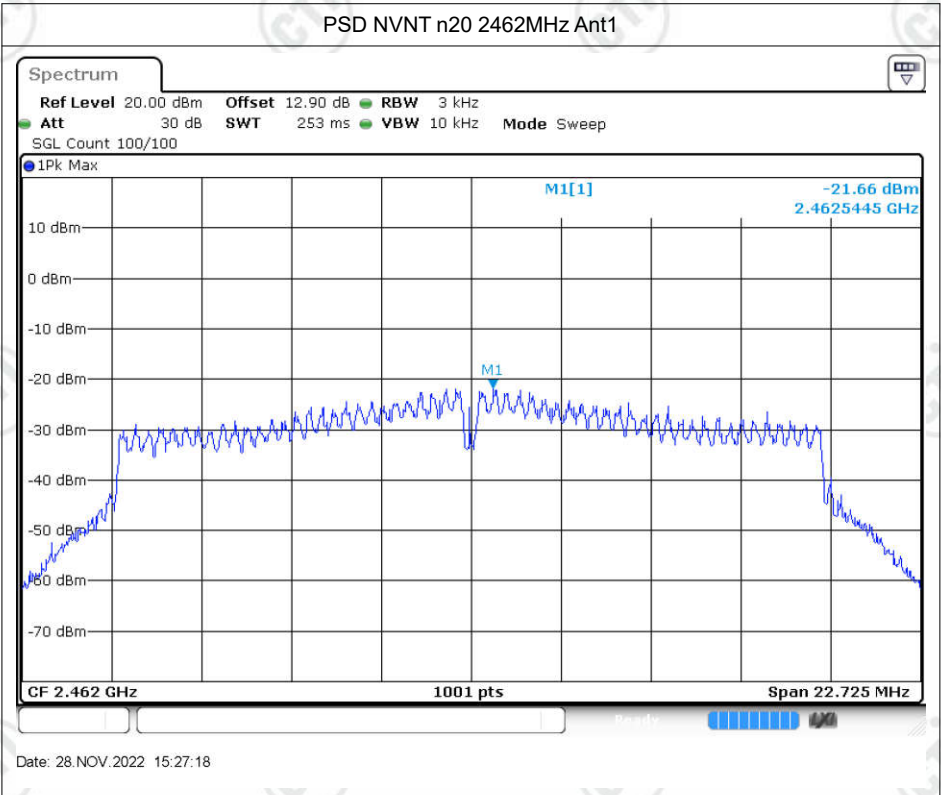
Date: 28.NOV.2022 15:19:12



Date: 28.NOV.2022 15:21:44

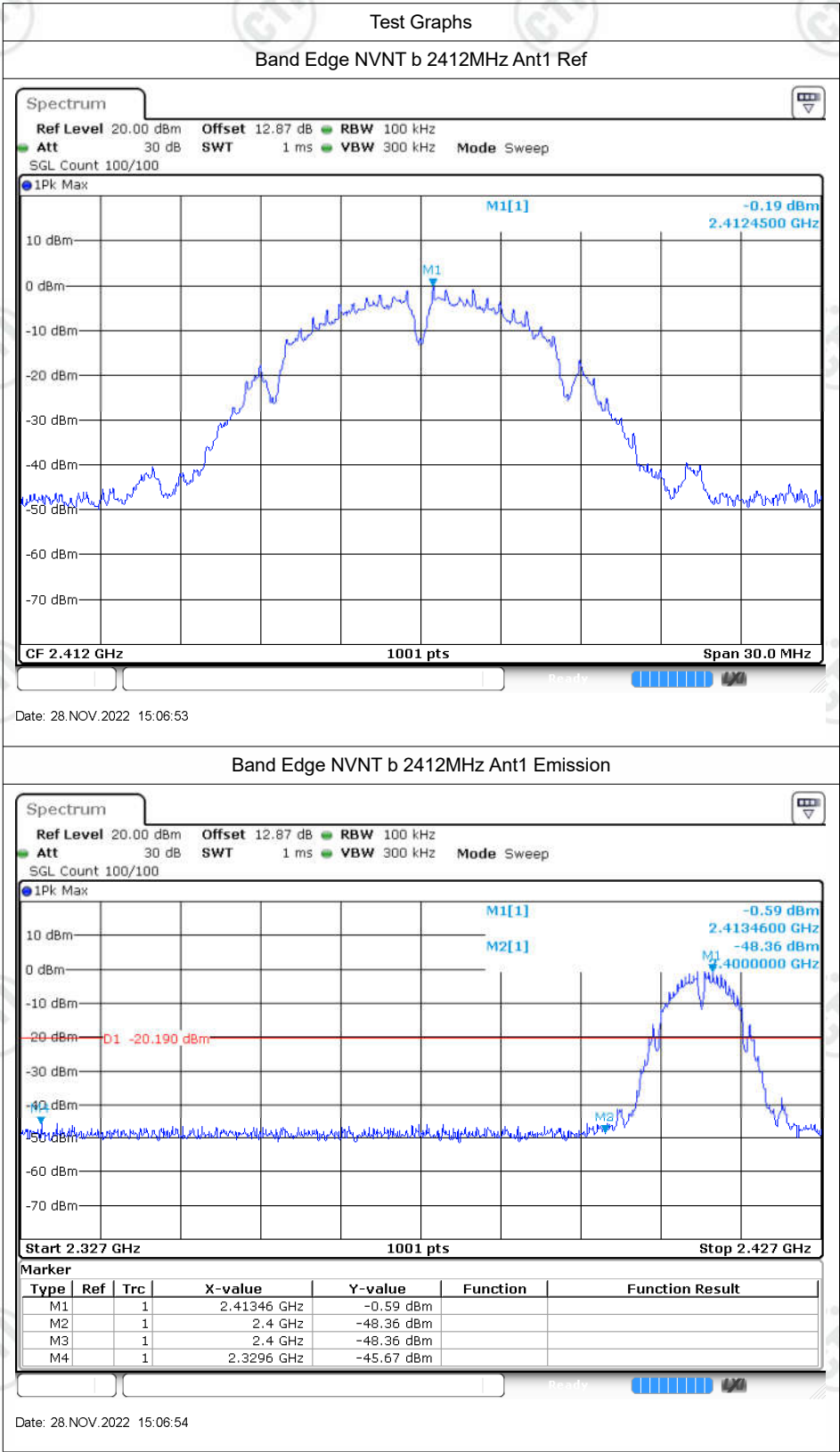


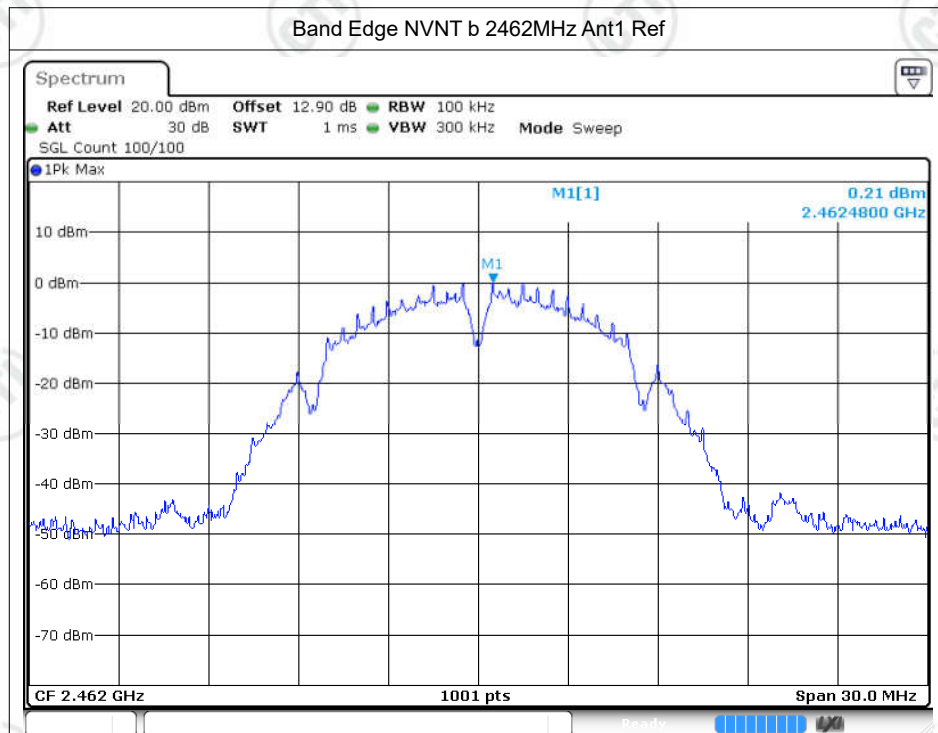
Date: 28.NOV.2022 15:24:45



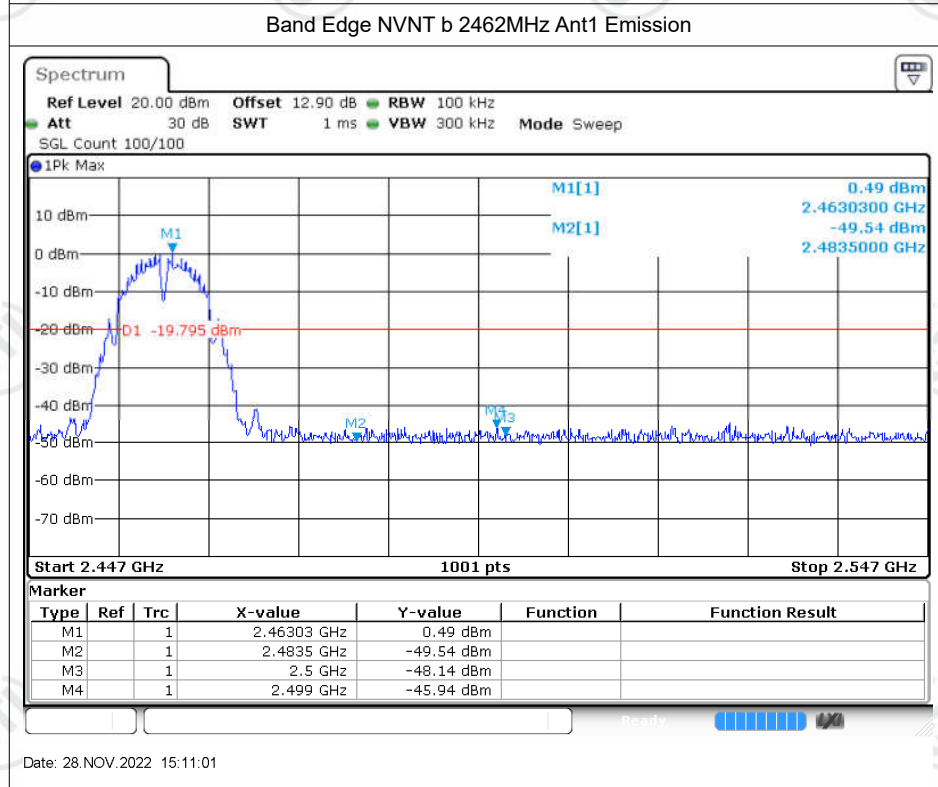
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-45.47	-20	Pass
NVNT	b	2462	Ant1	-46.14	-20	Pass
NVNT	g	2412	Ant1	-35.32	-20	Pass
NVNT	g	2462	Ant1	-36.86	-20	Pass
NVNT	n20	2412	Ant1	-34.61	-20	Pass
NVNT	n20	2462	Ant1	-35.11	-20	Pass

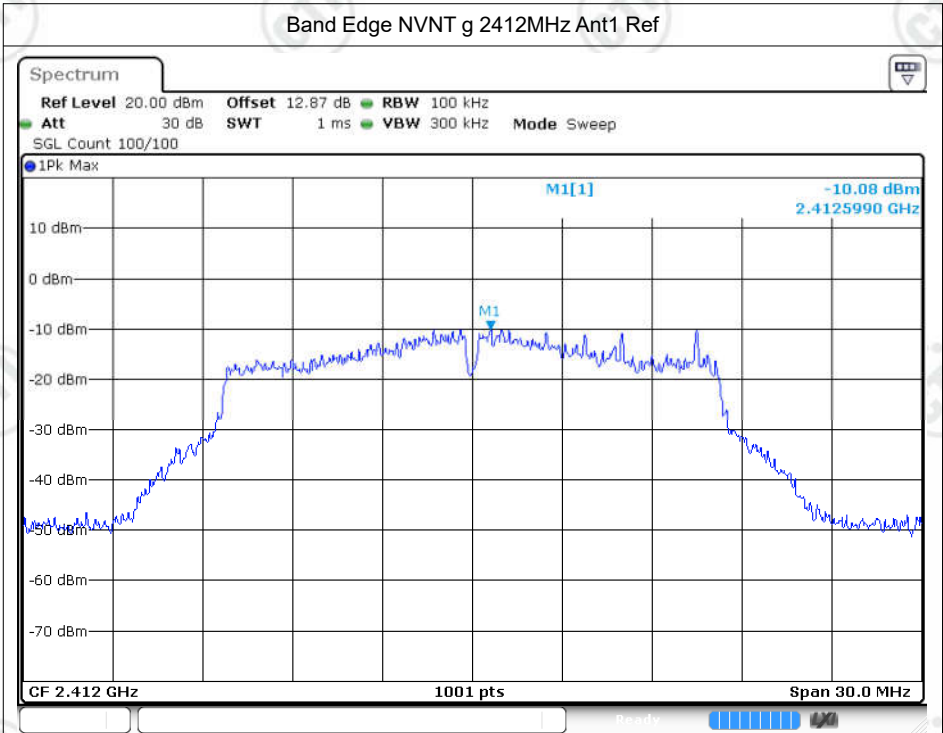




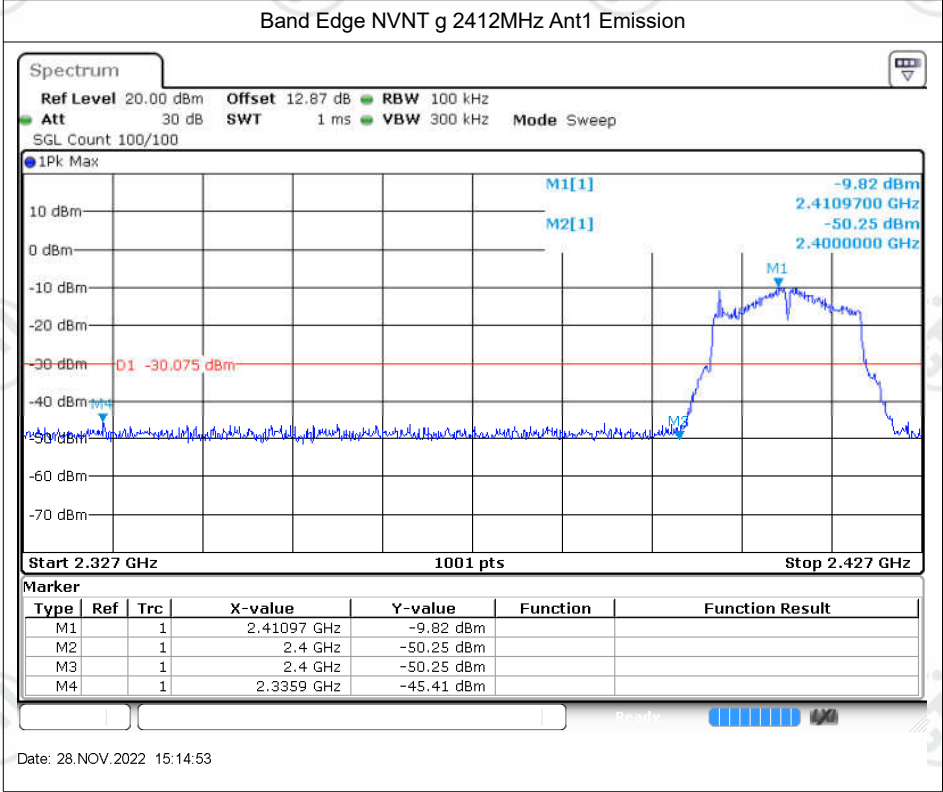
Date: 28.NOV.2022 15:11:00



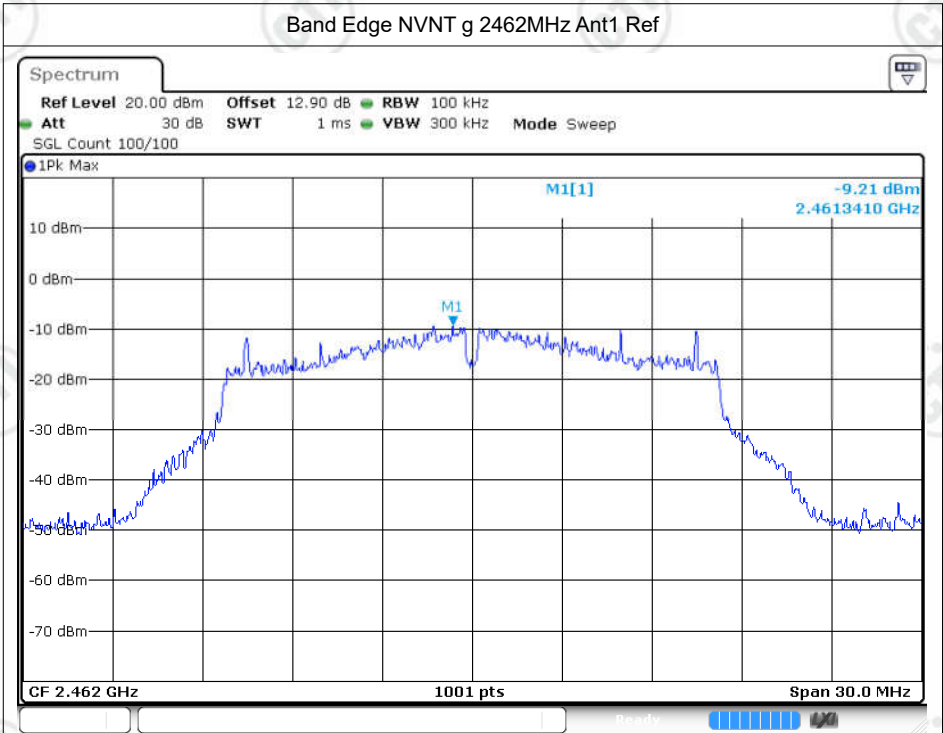
Date: 28.NOV.2022 15:11:01



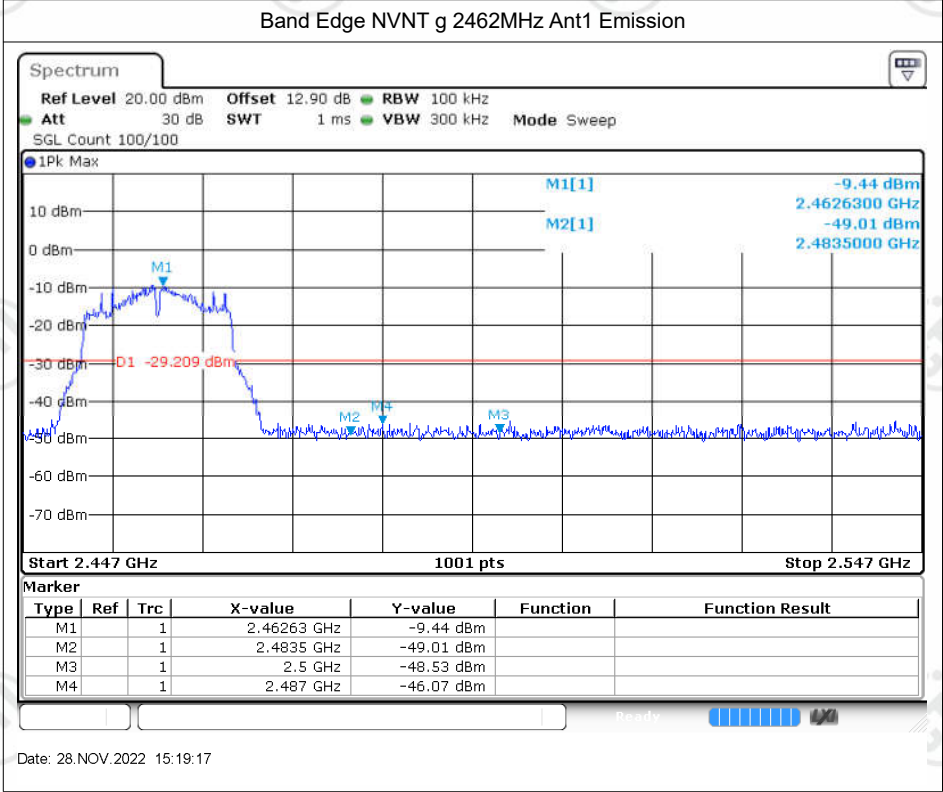
Date: 28.NOV.2022 15:14:52



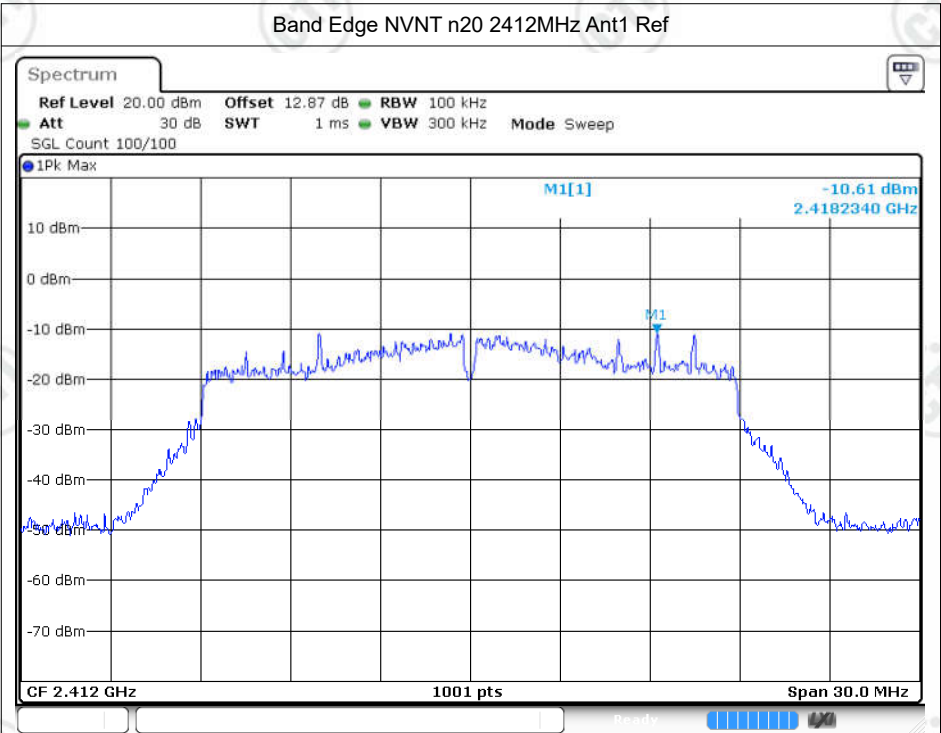
Date: 28.NOV.2022 15:14:53



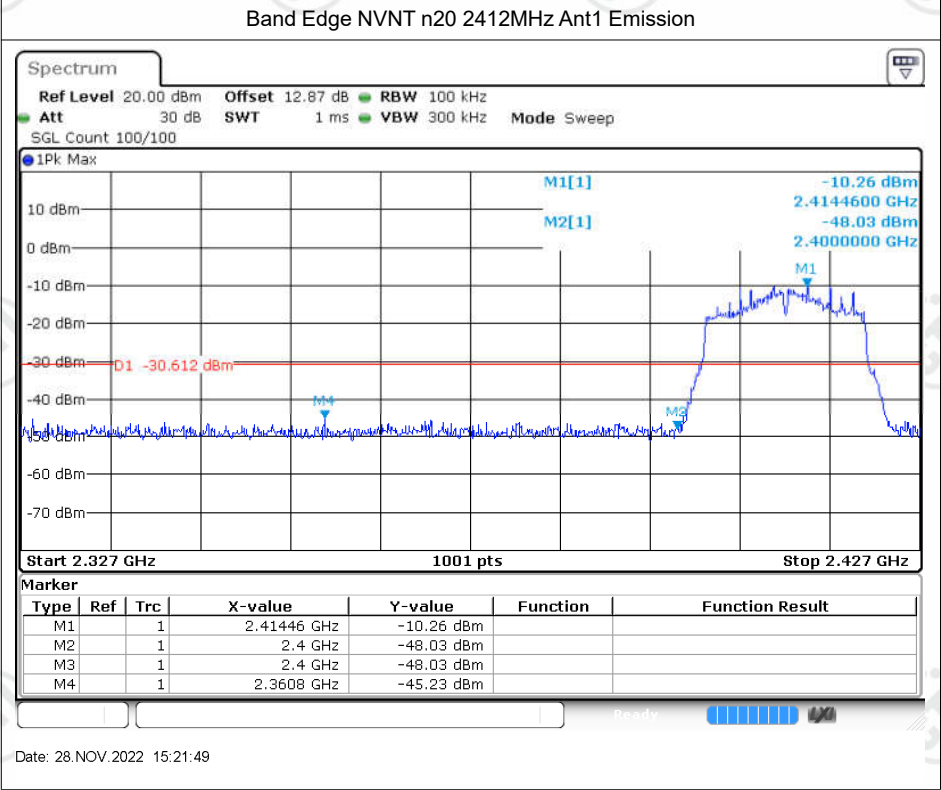
Date: 28.NOV.2022 15:19:16



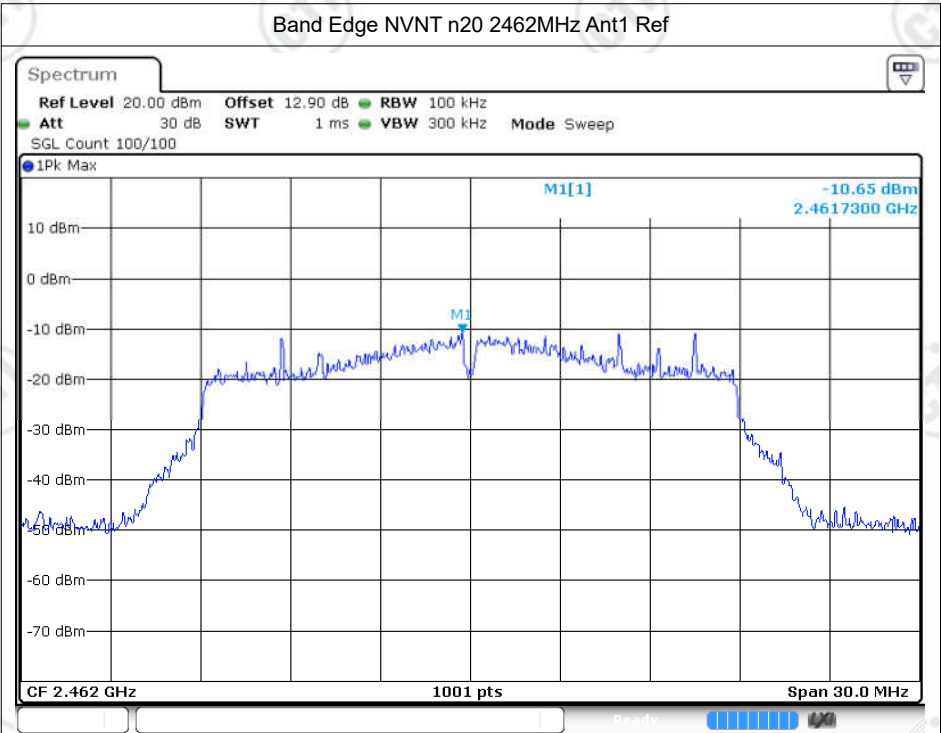
Date: 28.NOV.2022 15:19:17



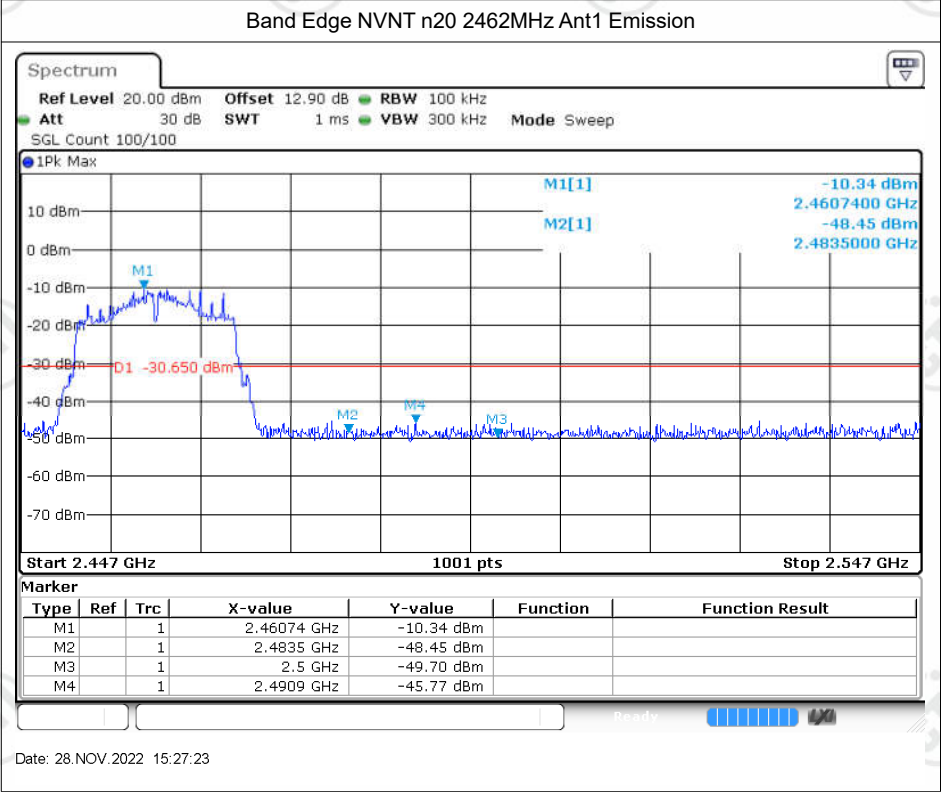
Date: 28.NOV.2022 15:21:47



Date: 28.NOV.2022 15:21:49



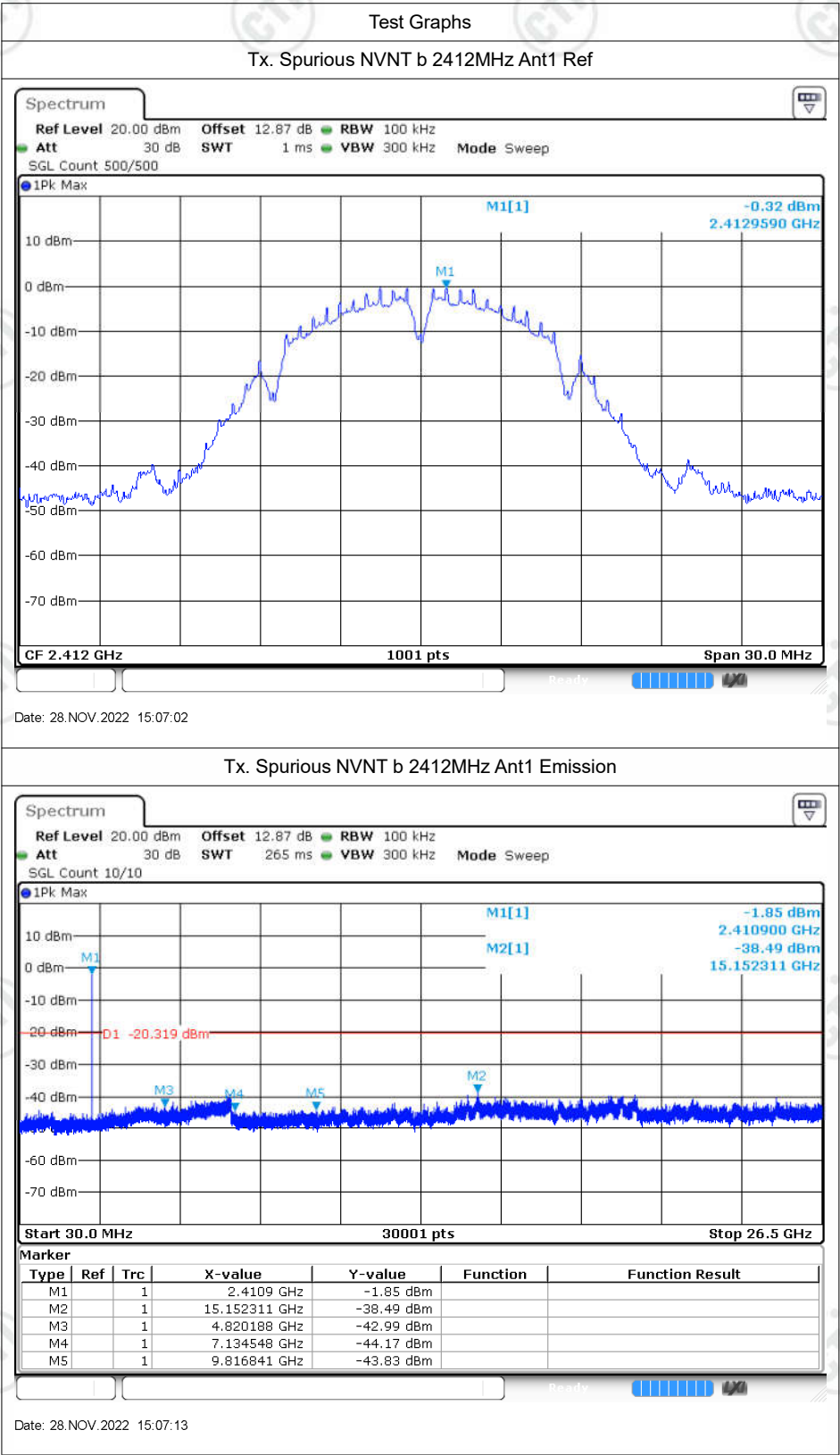
Date: 28.NOV.2022 15:27:22

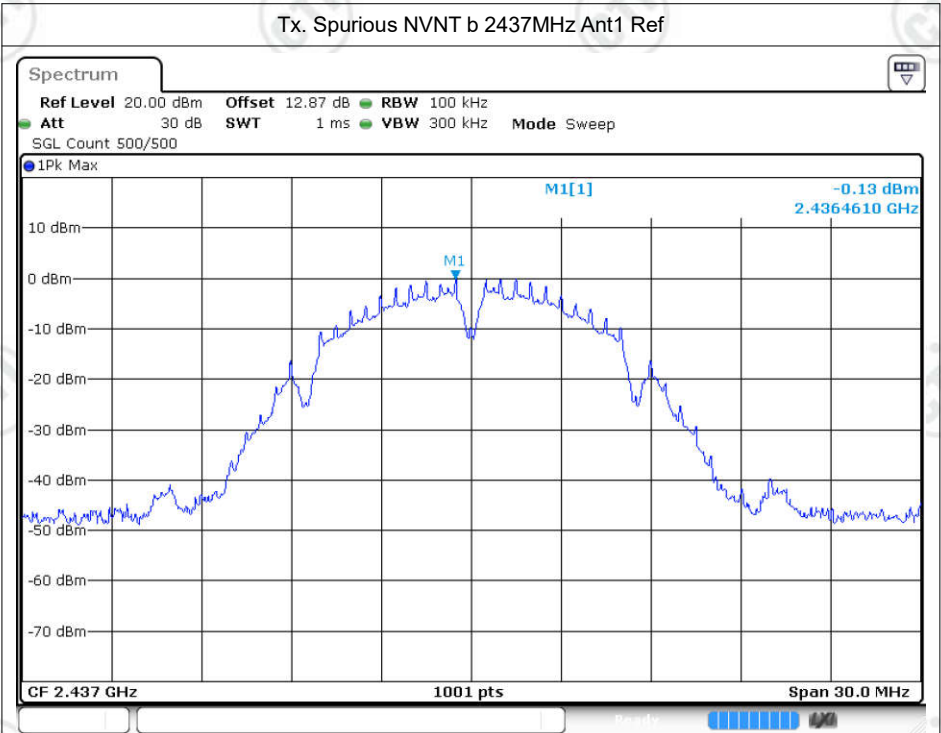


Date: 28.NOV.2022 15:27:23

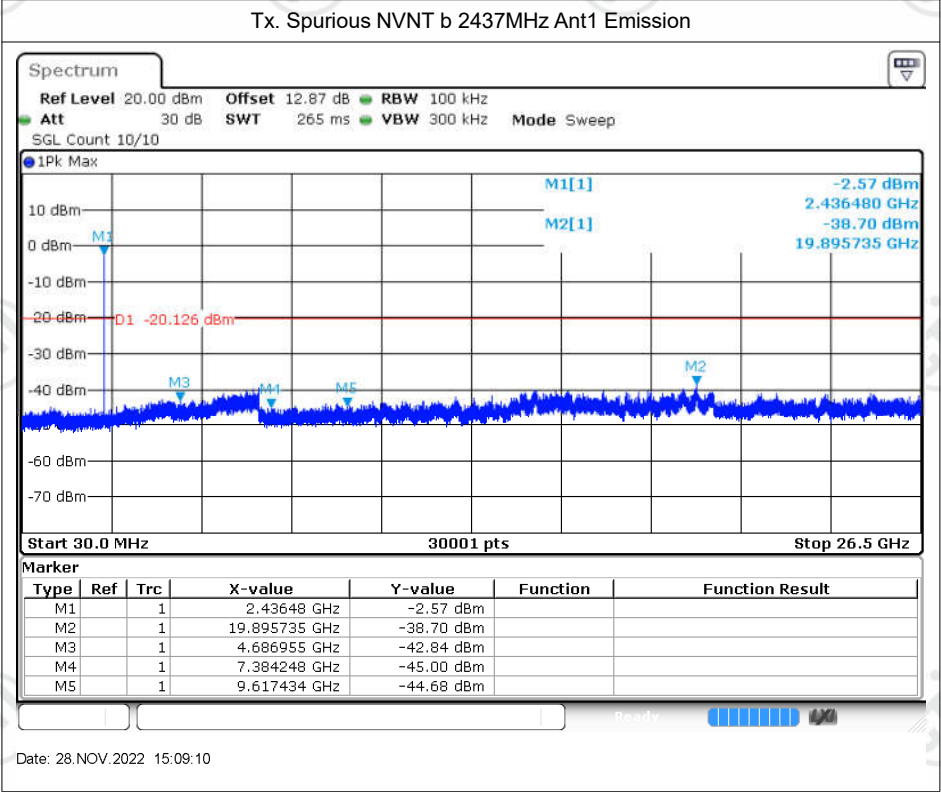
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-38.16	-20	Pass
NVNT	b	2437	Ant1	-38.56	-20	Pass
NVNT	b	2462	Ant1	-39.73	-20	Pass
NVNT	g	2412	Ant1	-29.32	-20	Pass
NVNT	g	2437	Ant1	-29.52	-20	Pass
NVNT	g	2462	Ant1	-30.13	-20	Pass
NVNT	n20	2412	Ant1	-27.43	-20	Pass
NVNT	n20	2437	Ant1	-28.44	-20	Pass
NVNT	n20	2462	Ant1	-28.19	-20	Pass

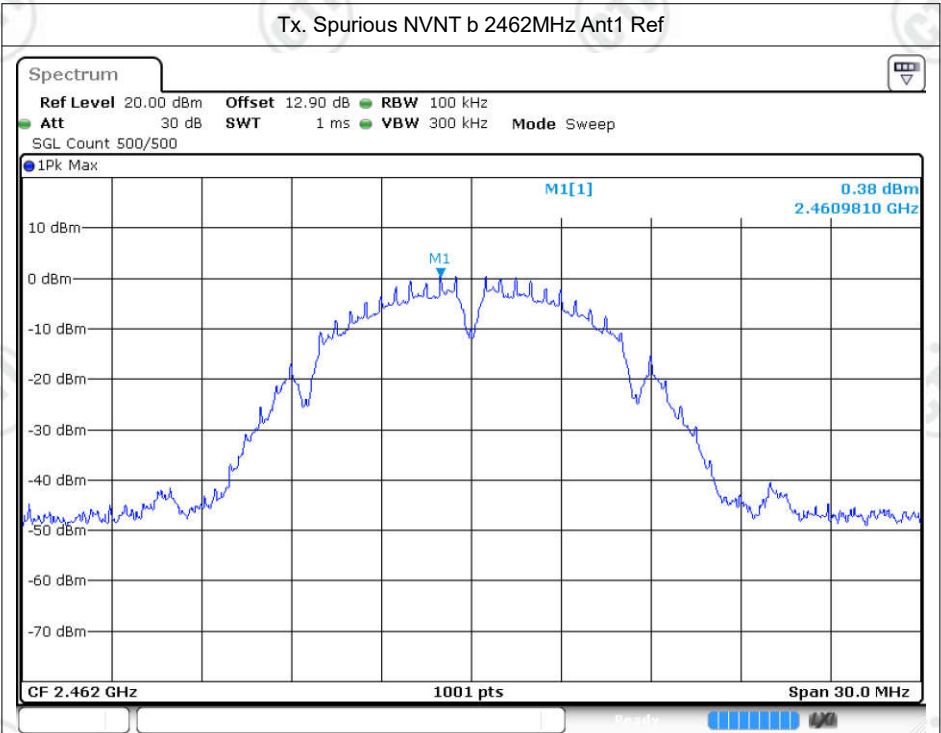




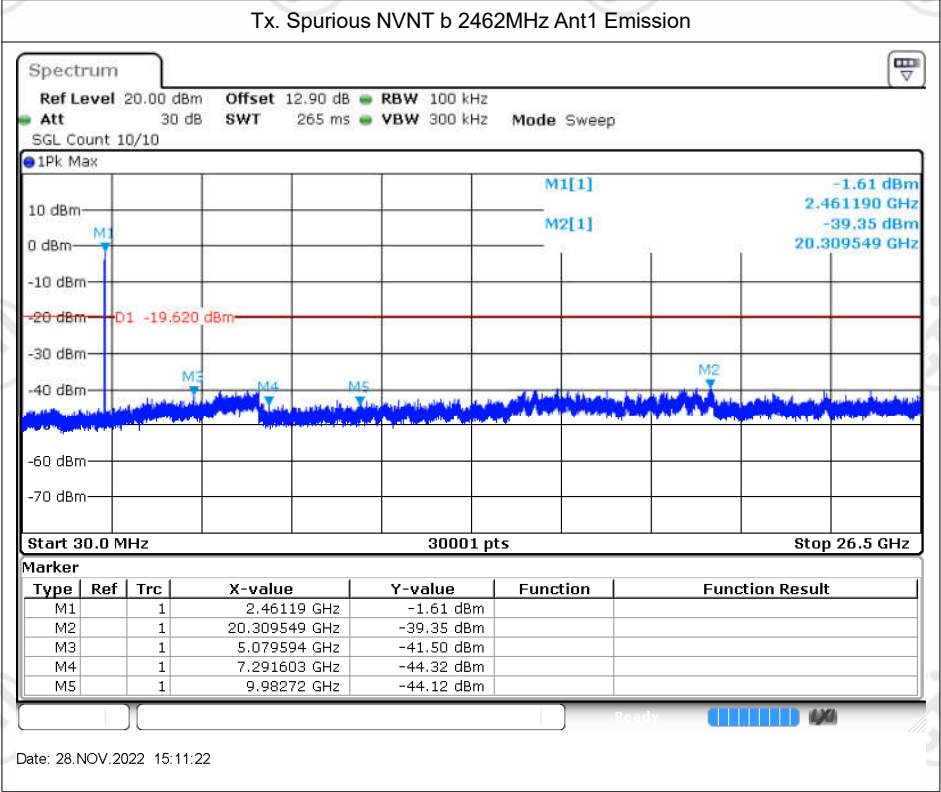
Date: 28.NOV.2022 15:09:00



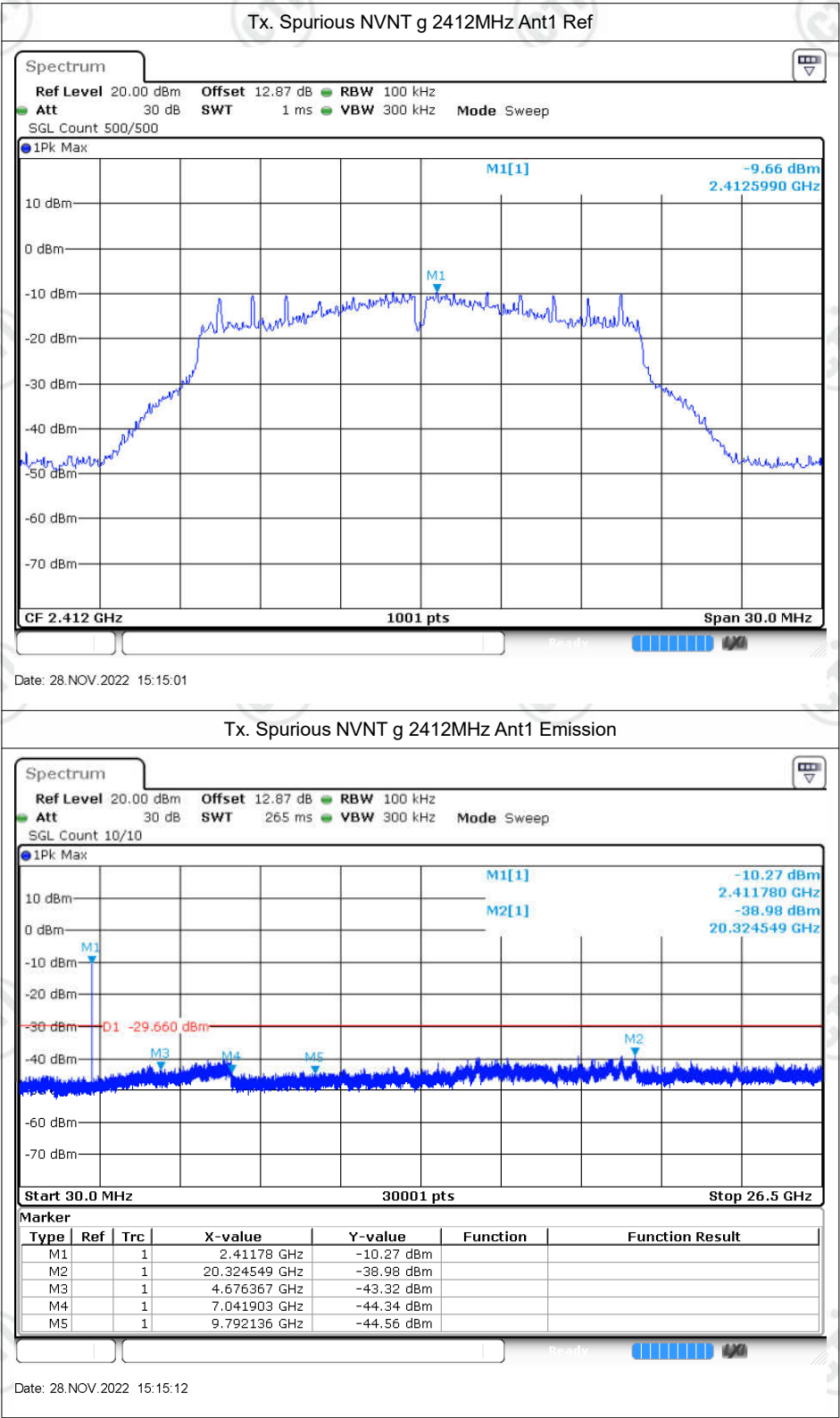
Date: 28.NOV.2022 15:09:10

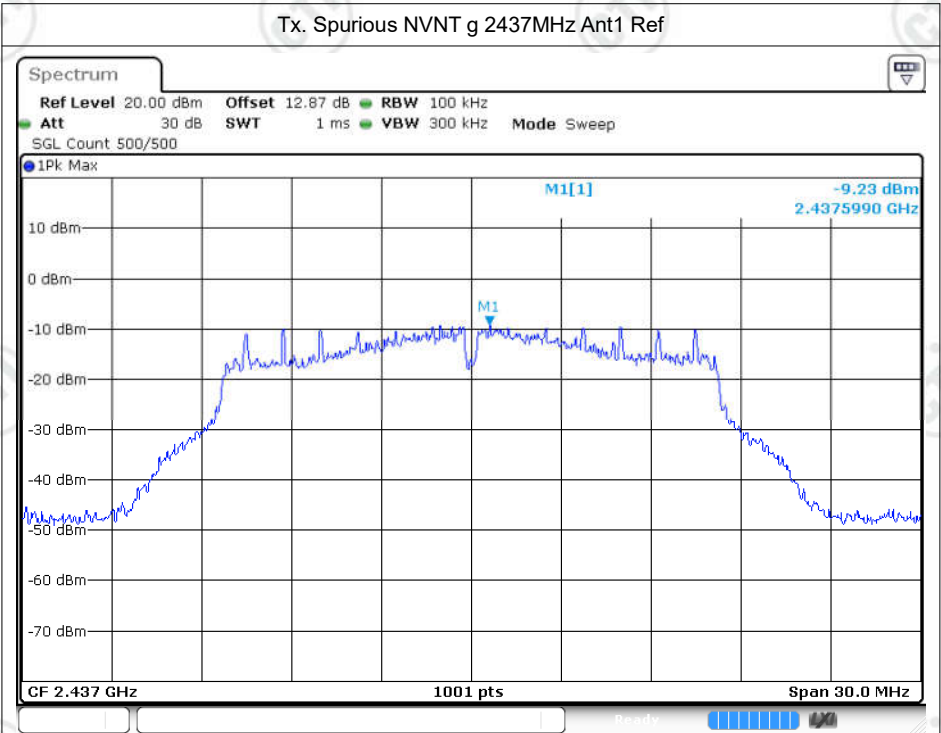


Date: 28.NOV.2022 15:11:11

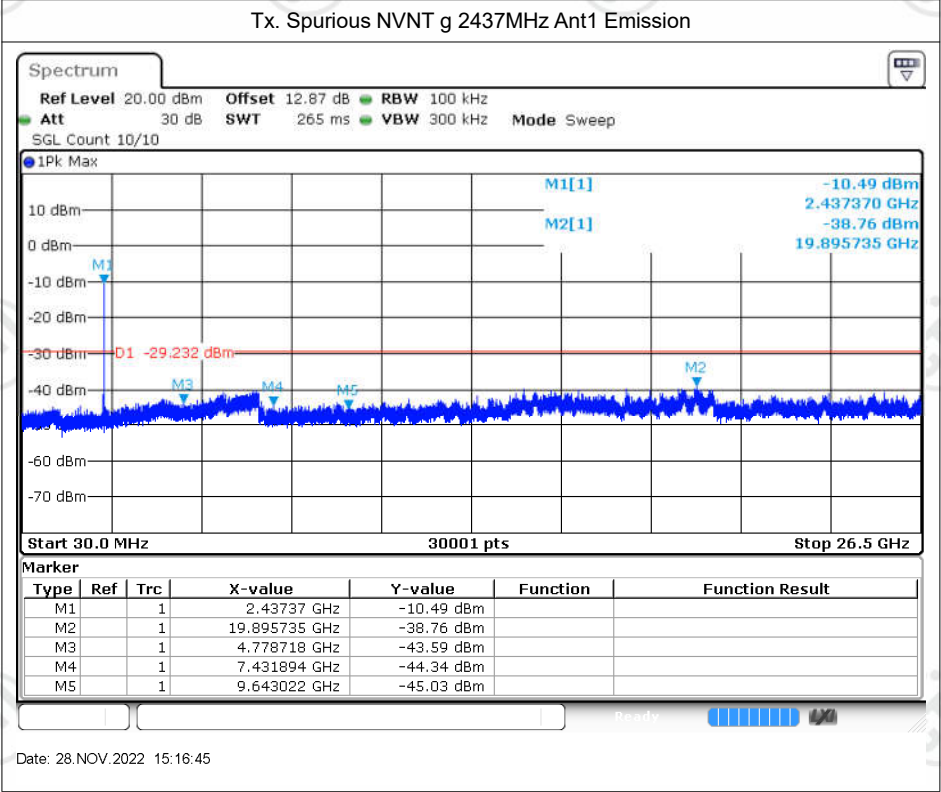


Date: 28.NOV.2022 15:11:22

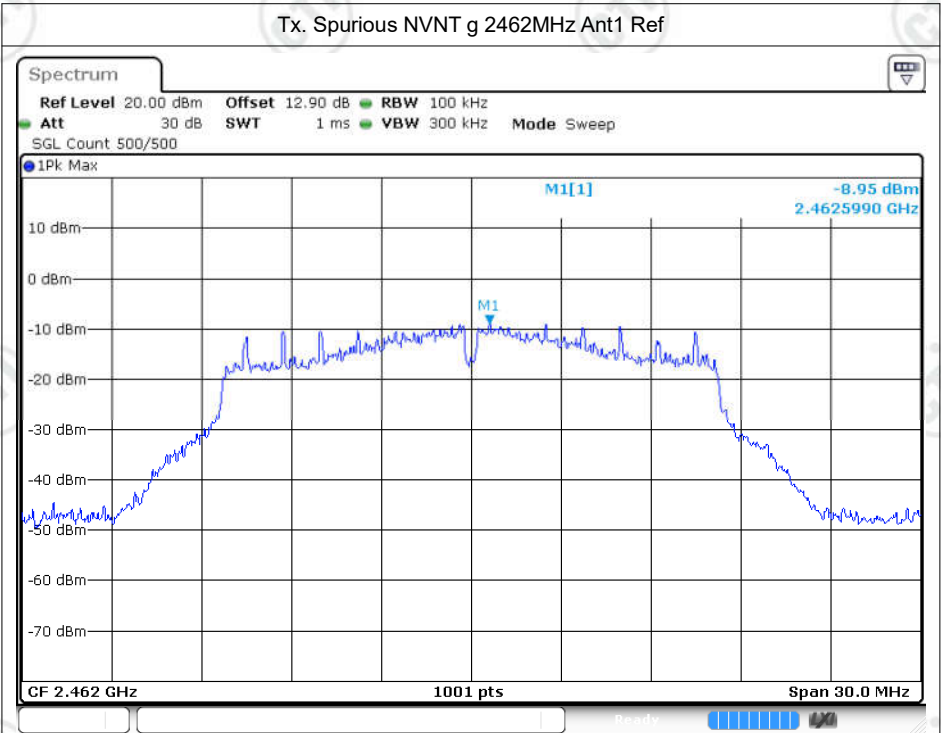




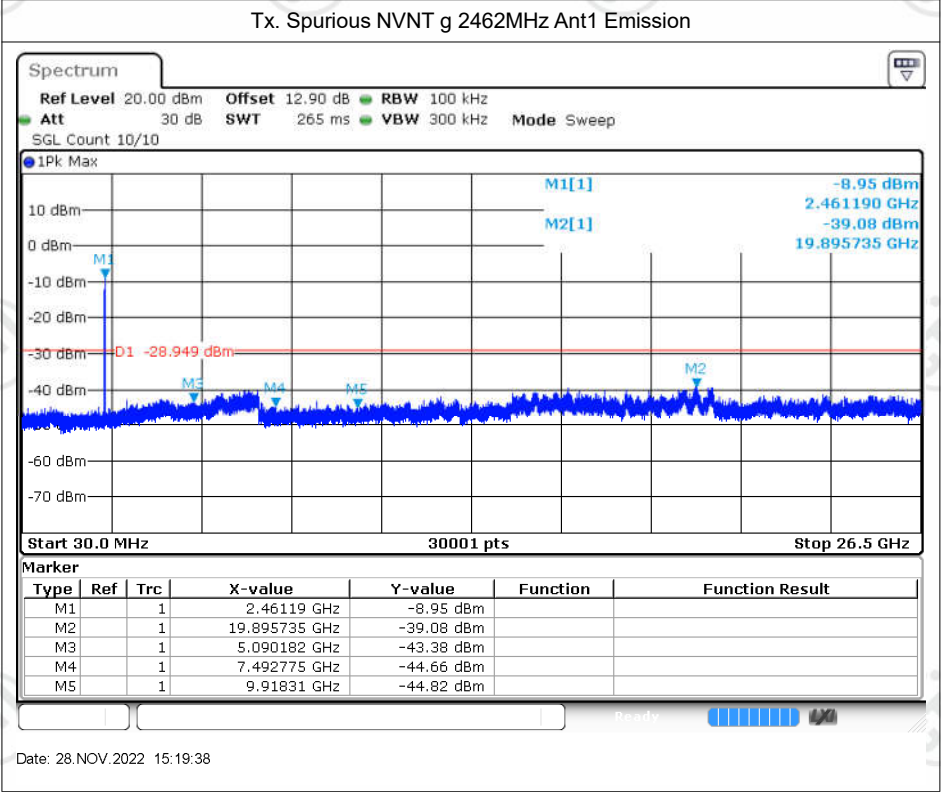
Date: 28.NOV.2022 15:16:34



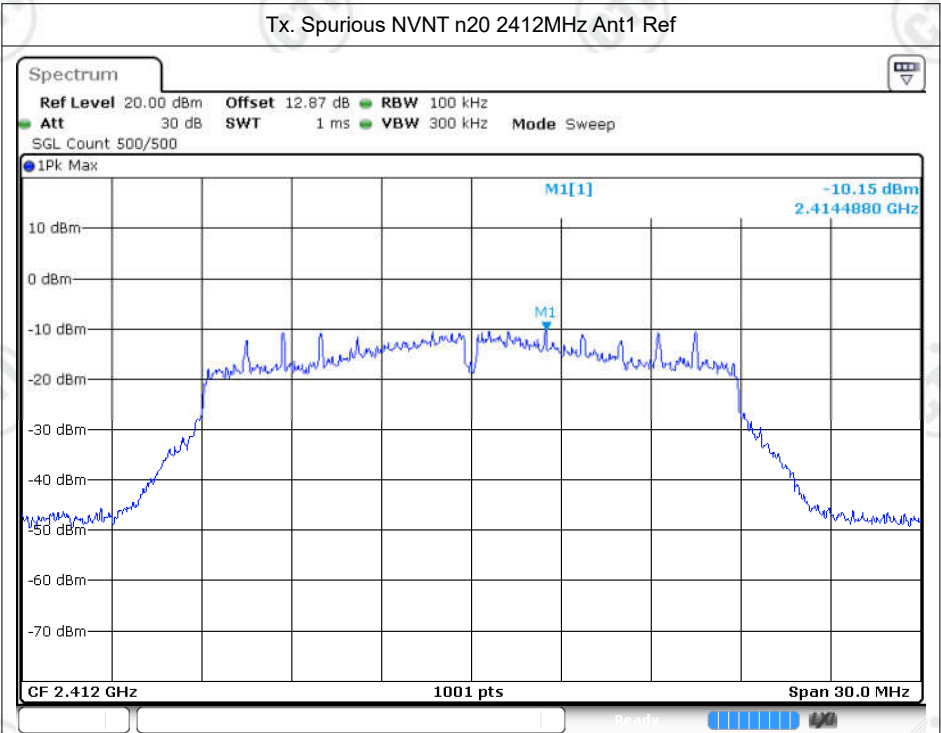
Date: 28.NOV.2022 15:16:45



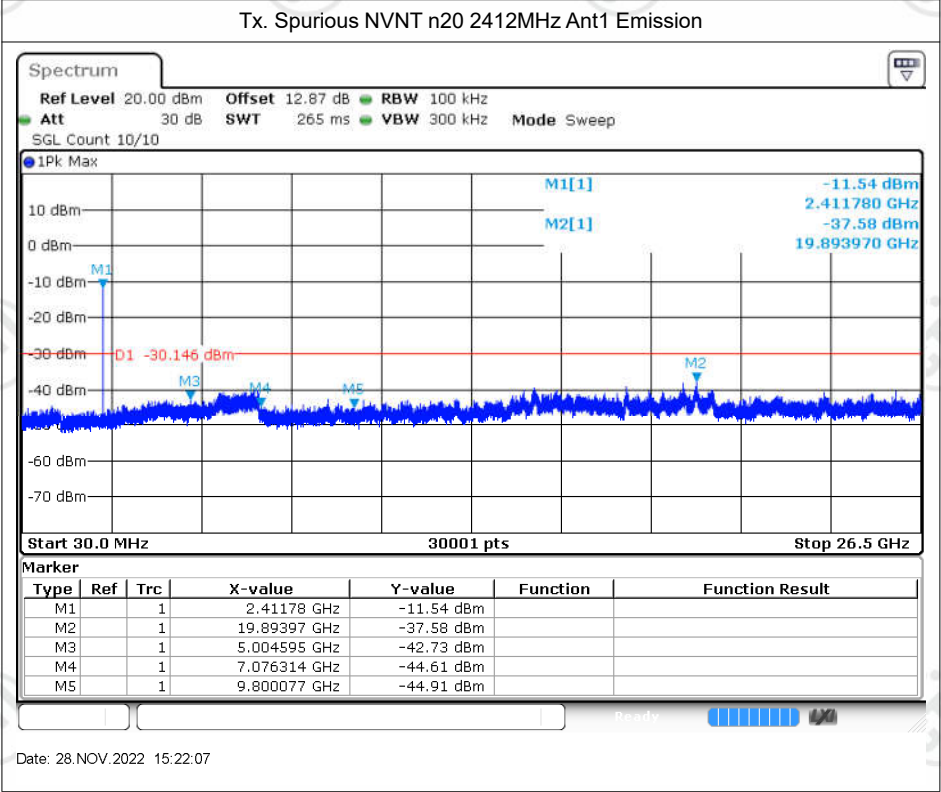
Date: 28.NOV.2022 15:19:28



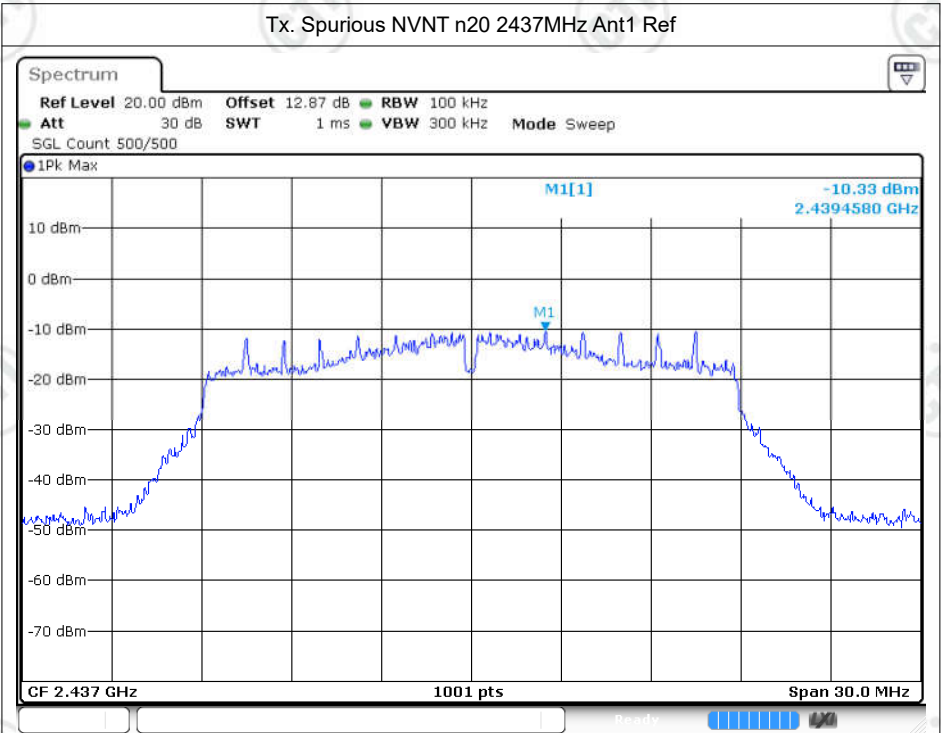
Date: 28.NOV.2022 15:19:38



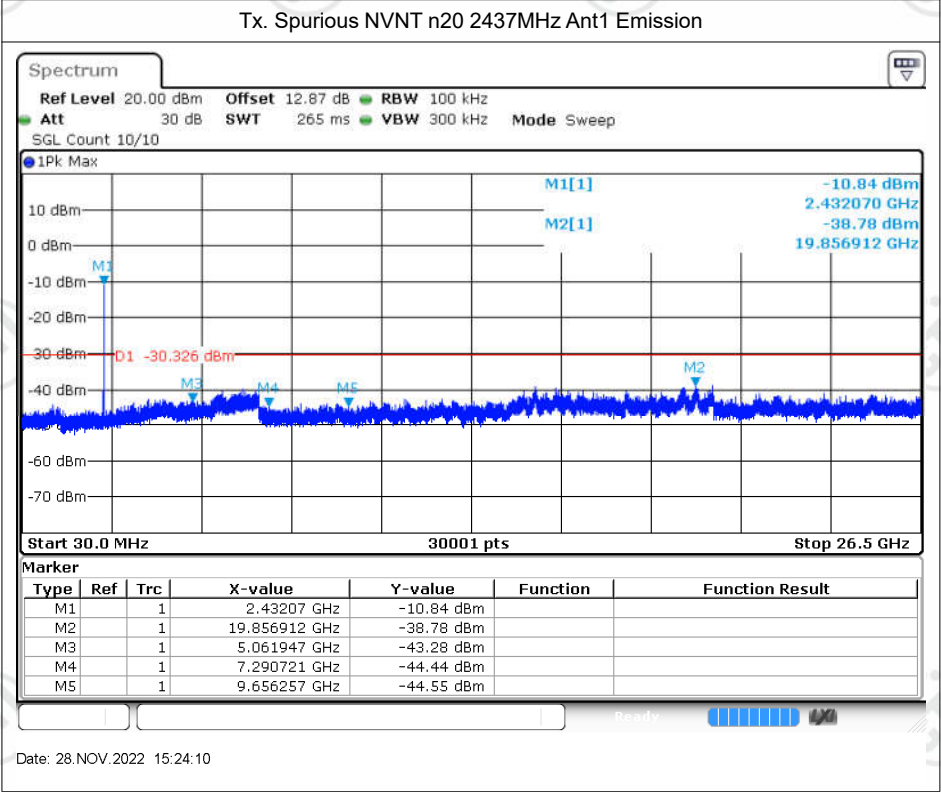
Date: 28.NOV.2022 15:21:57



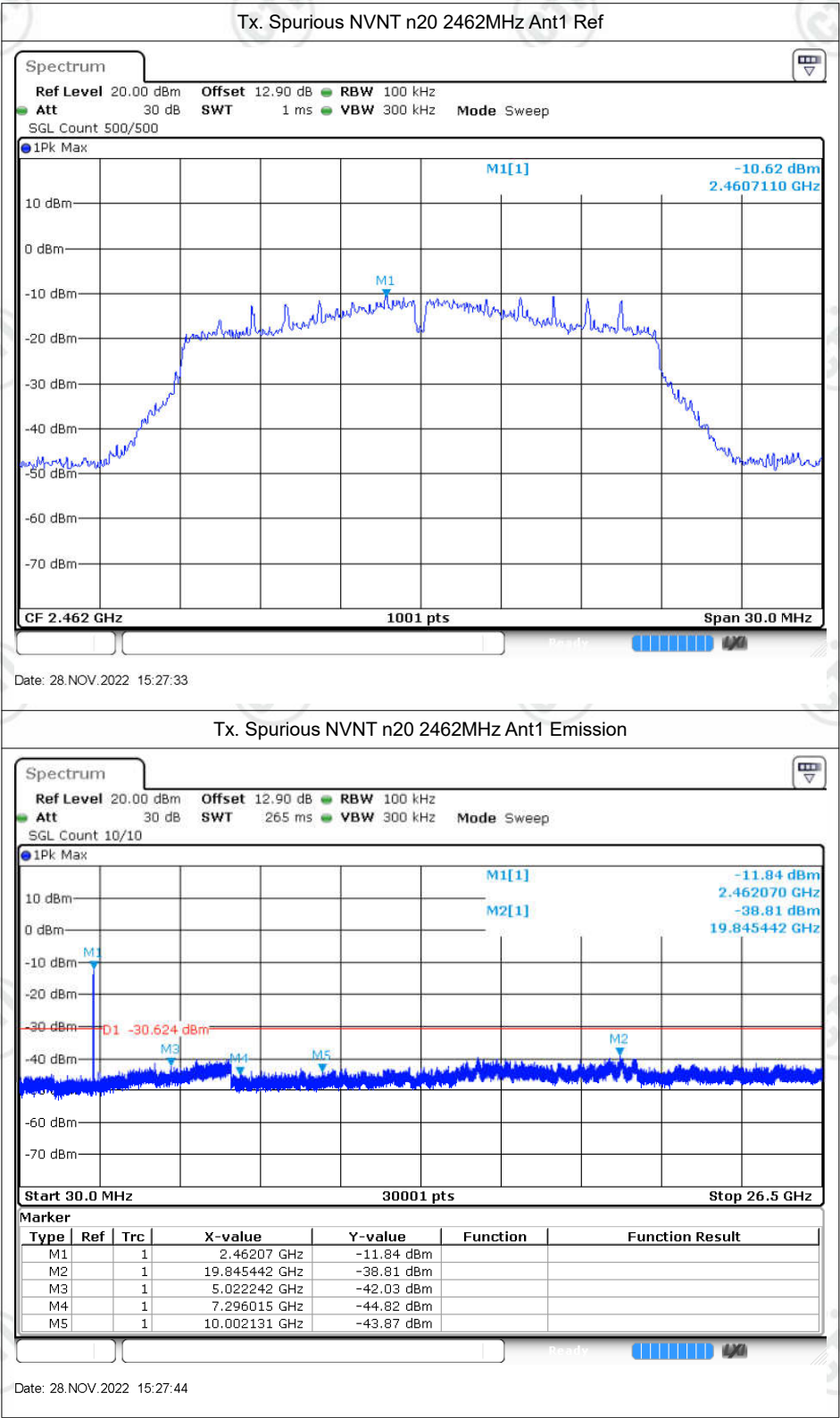
Date: 28.NOV.2022 15:22:07



Date: 28.NOV.2022 15:24:00



Date: 28.NOV.2022 15:24:10



*** End of Report ***