

Appendix: 2.4G WIFI

Contents

Contents2

Duty Cycle3

Maximum Peak Conducted Output Power10

-6dB Bandwidth11

Occupied Channel Bandwidth18

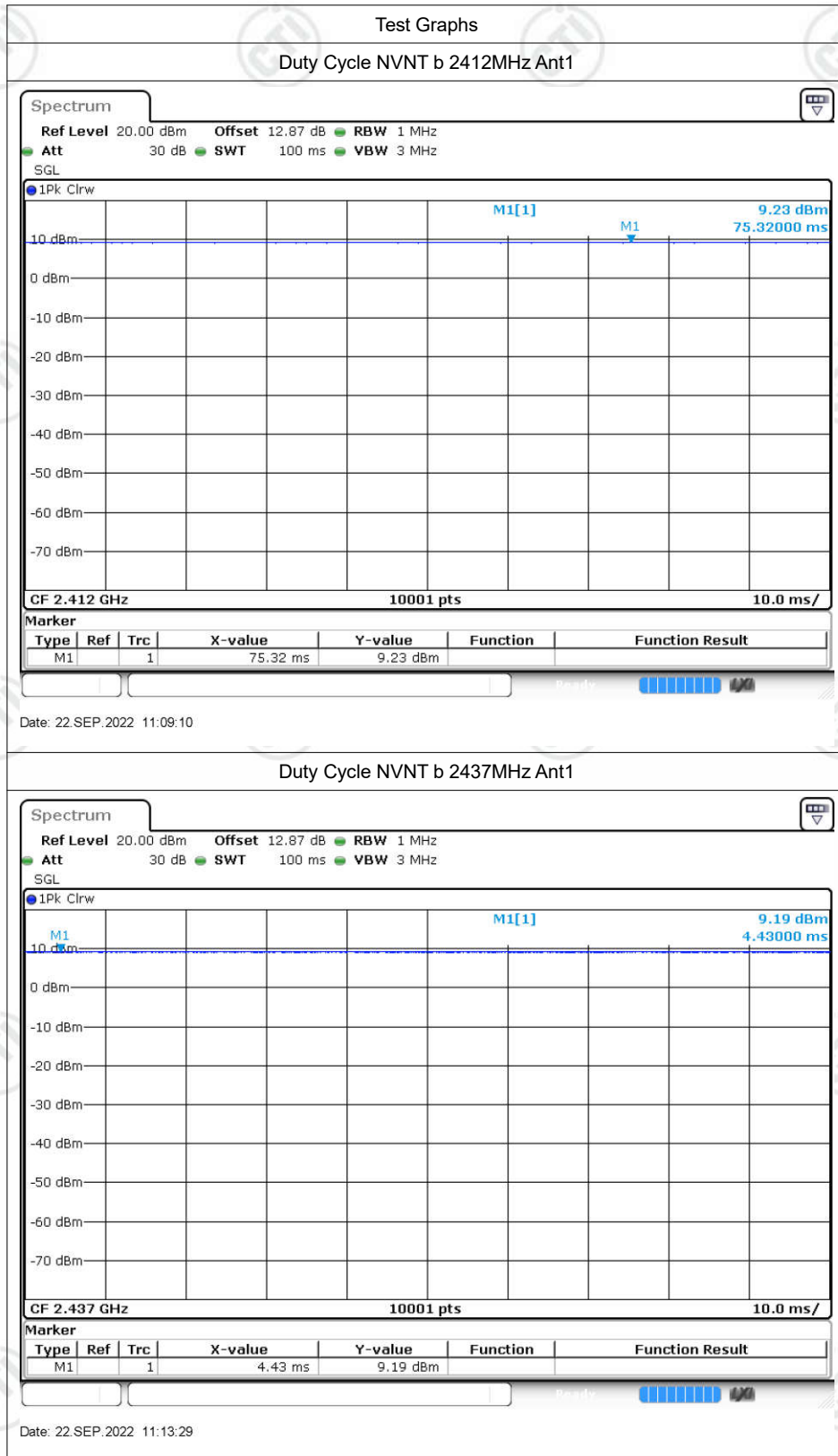
Maximum Power Spectral Density Level25

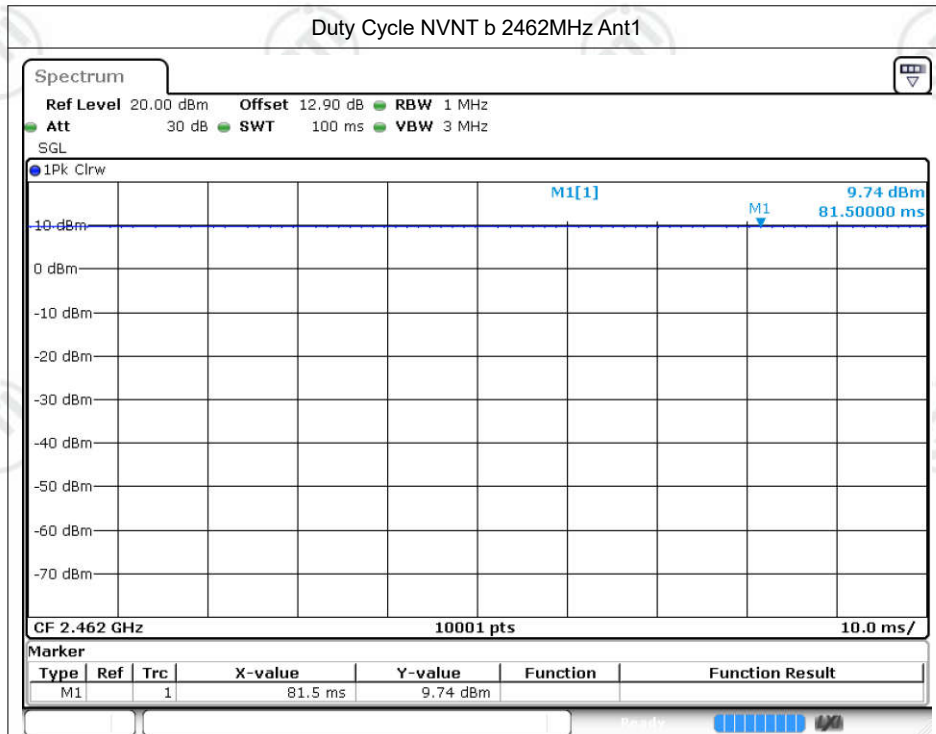
Band Edge32

Conducted RF Spurious Emission41

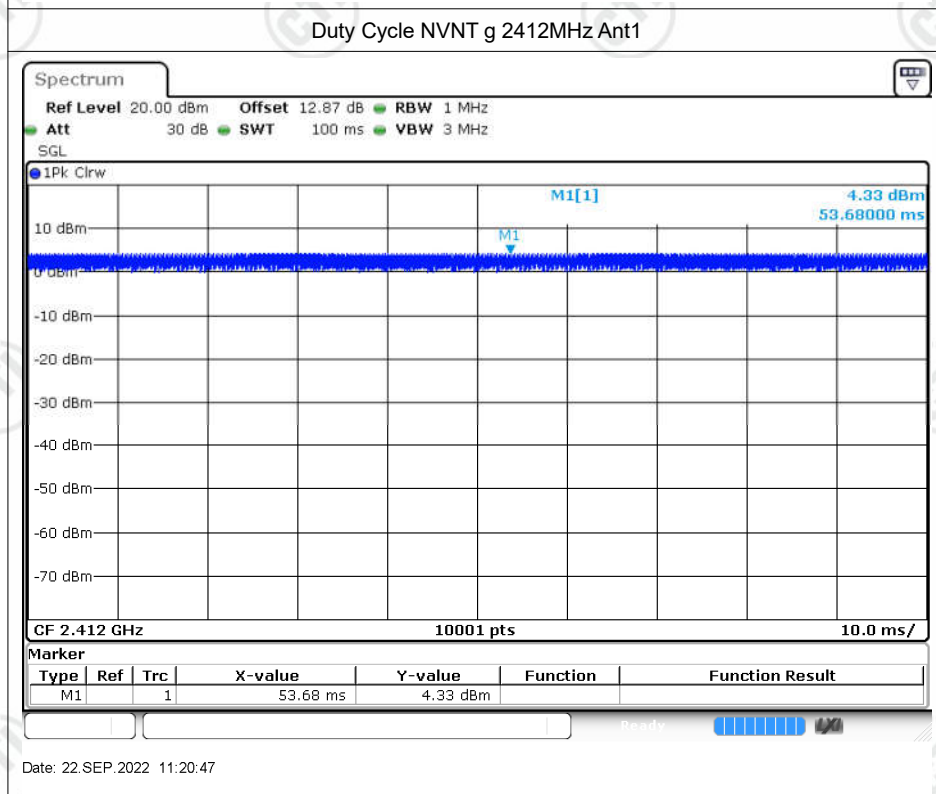
Duty Cycle

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

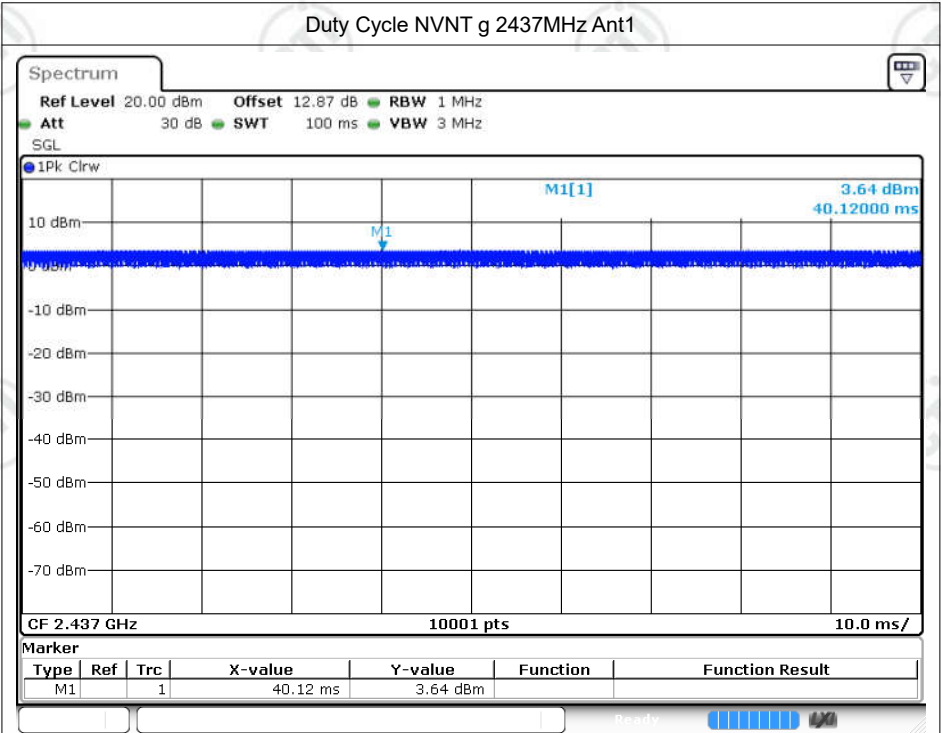




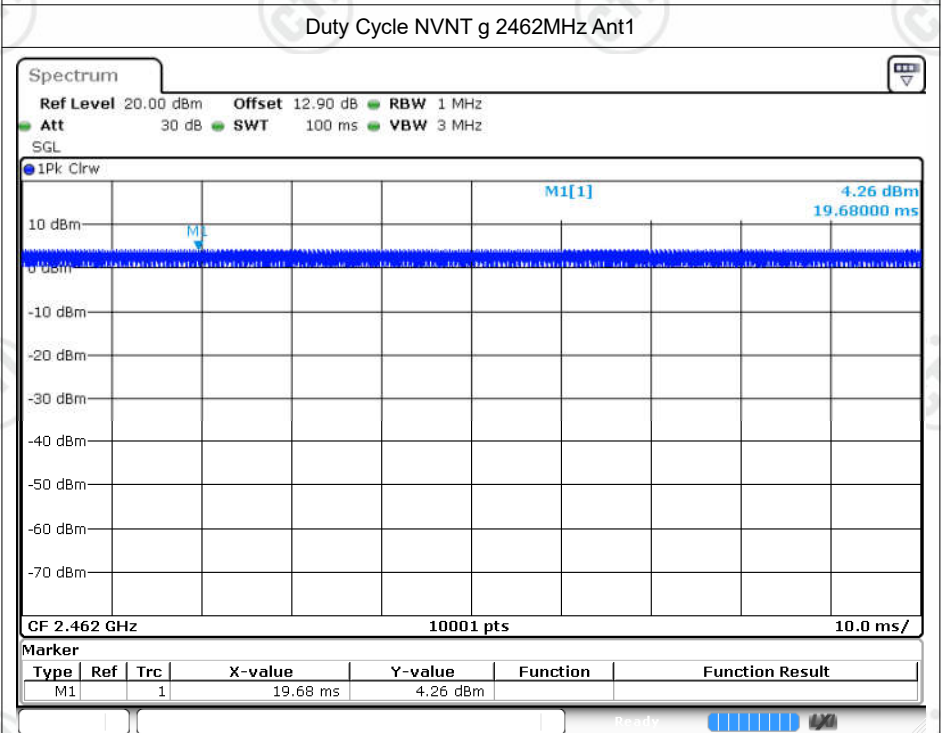
Date: 22.SEP.2022 11:15:44



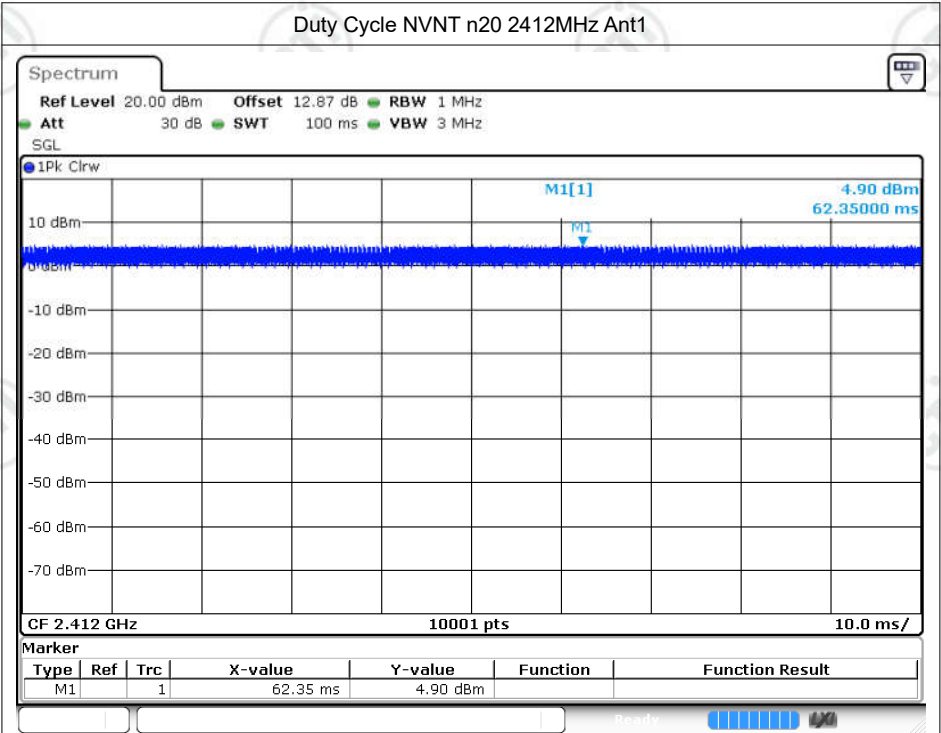
Date: 22.SEP.2022 11:20:47



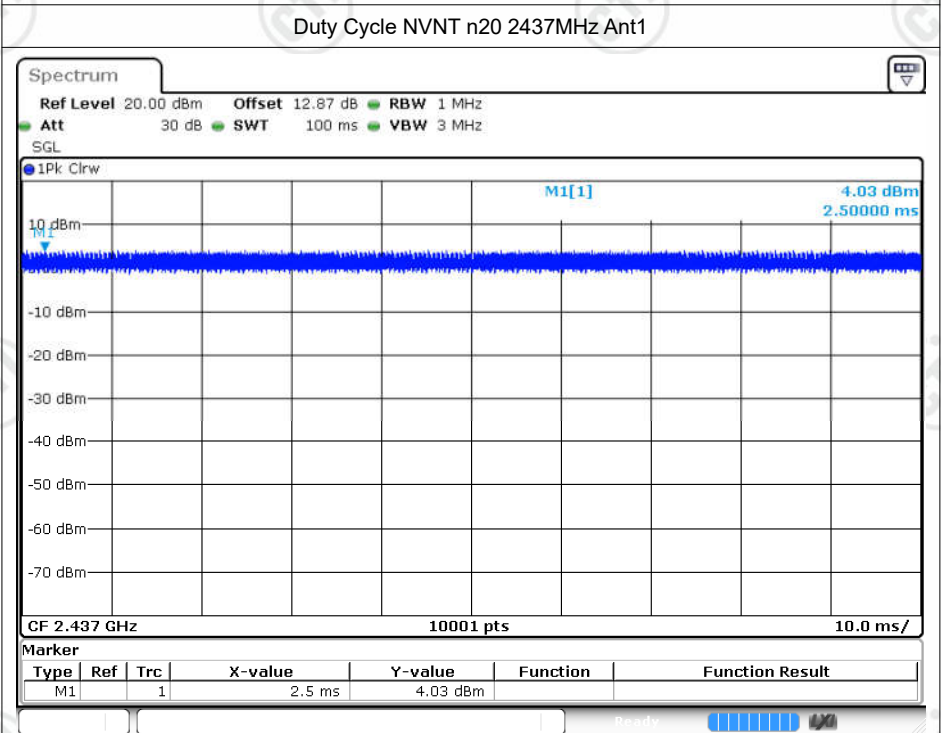
Date: 22.SEP.2022 11:47:20



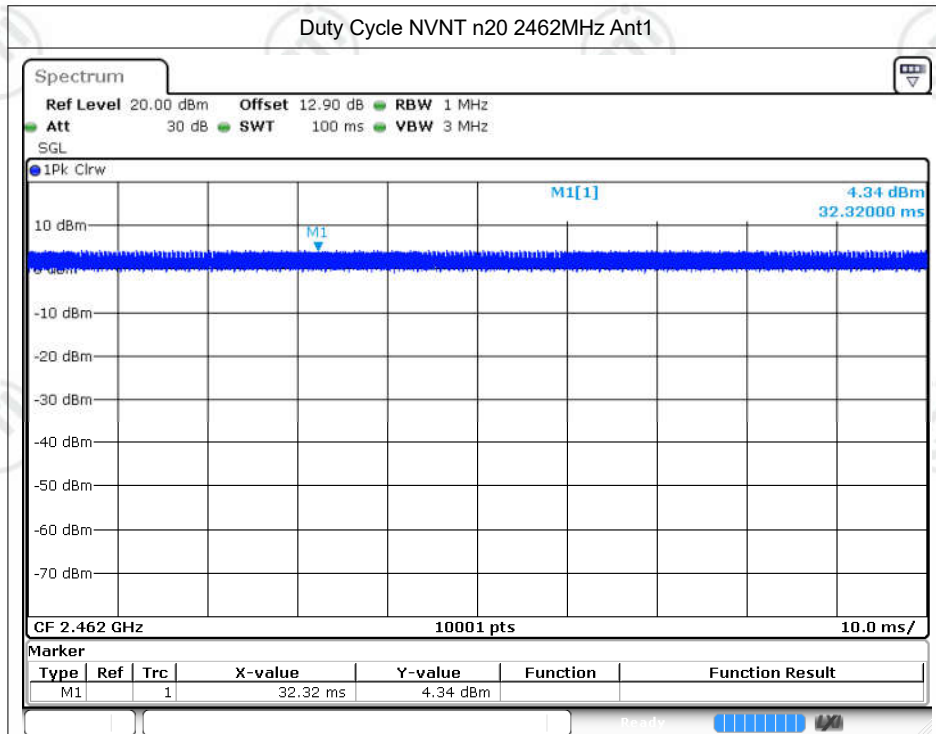
Date: 22.SEP.2022 11:28:03



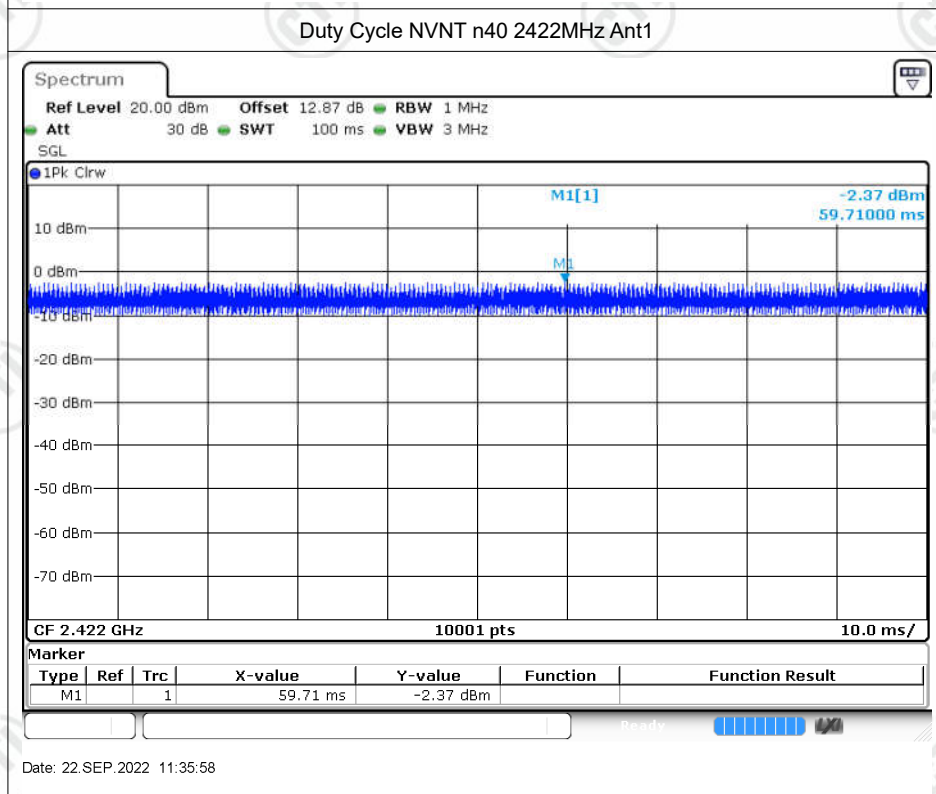
Date: 22.SEP.2022 11:28:55



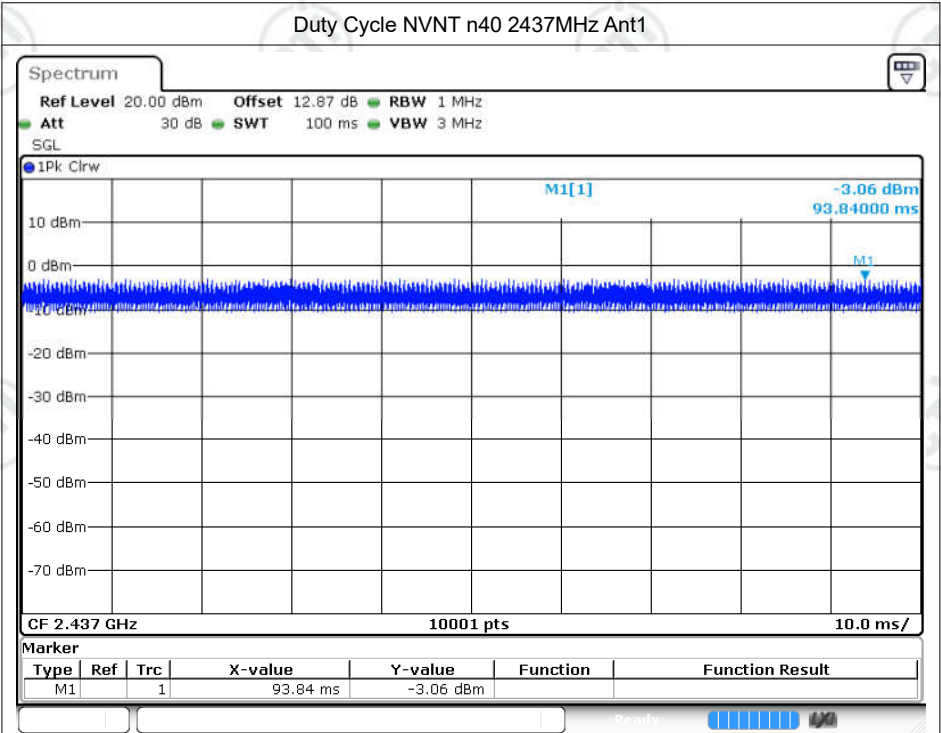
Date: 22.SEP.2022 11:31:43



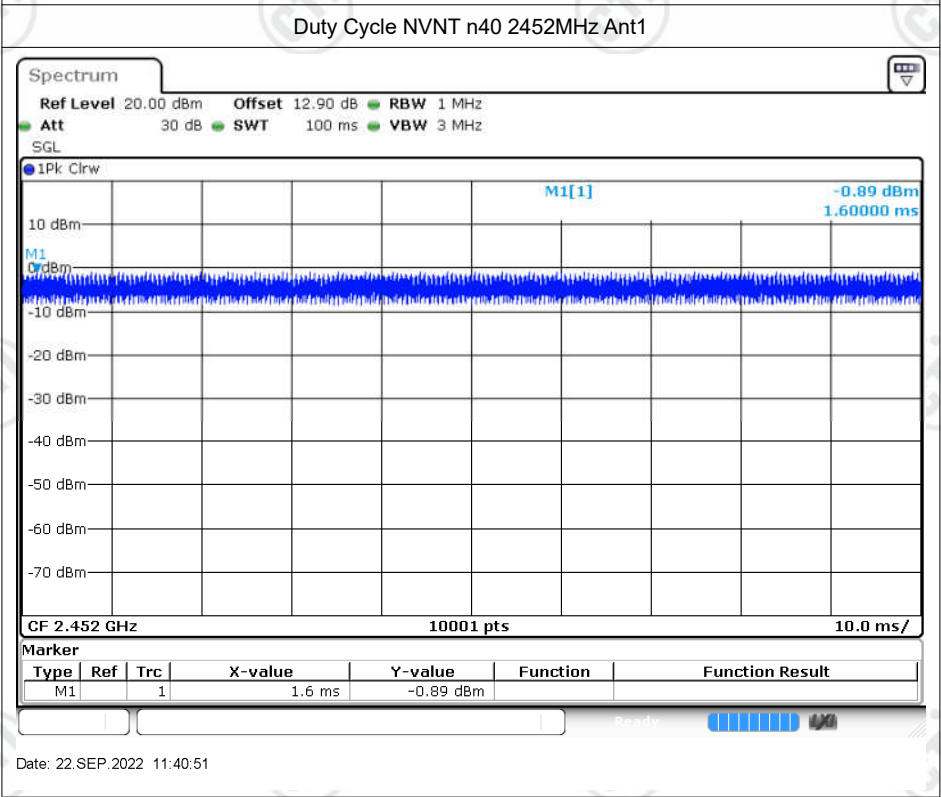
Date: 22.SEP.2022 11:33:52



Date: 22.SEP.2022 11:35:58



Date: 22.SEP.2022 11:38:38



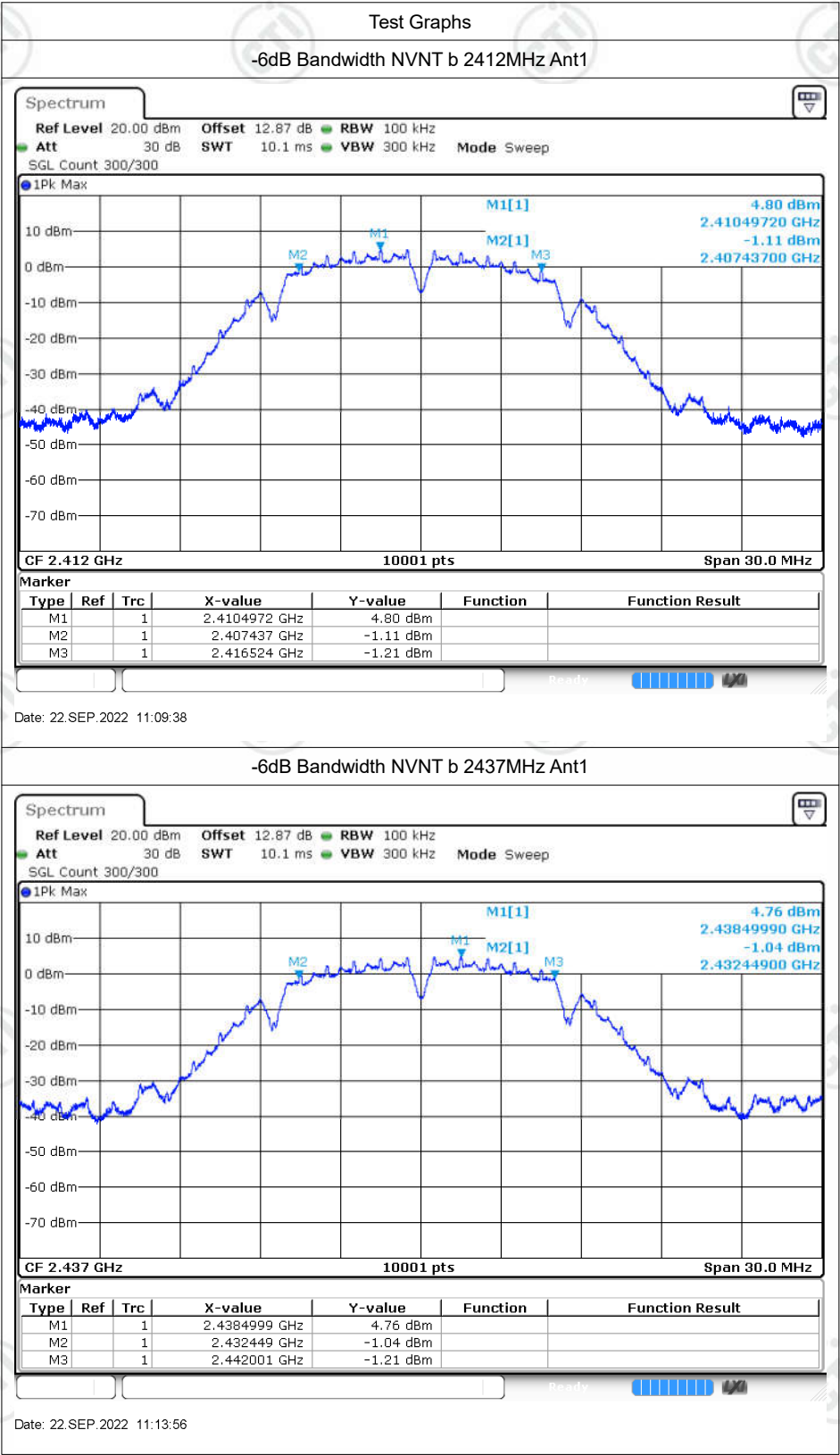
Date: 22.SEP.2022 11:40:51

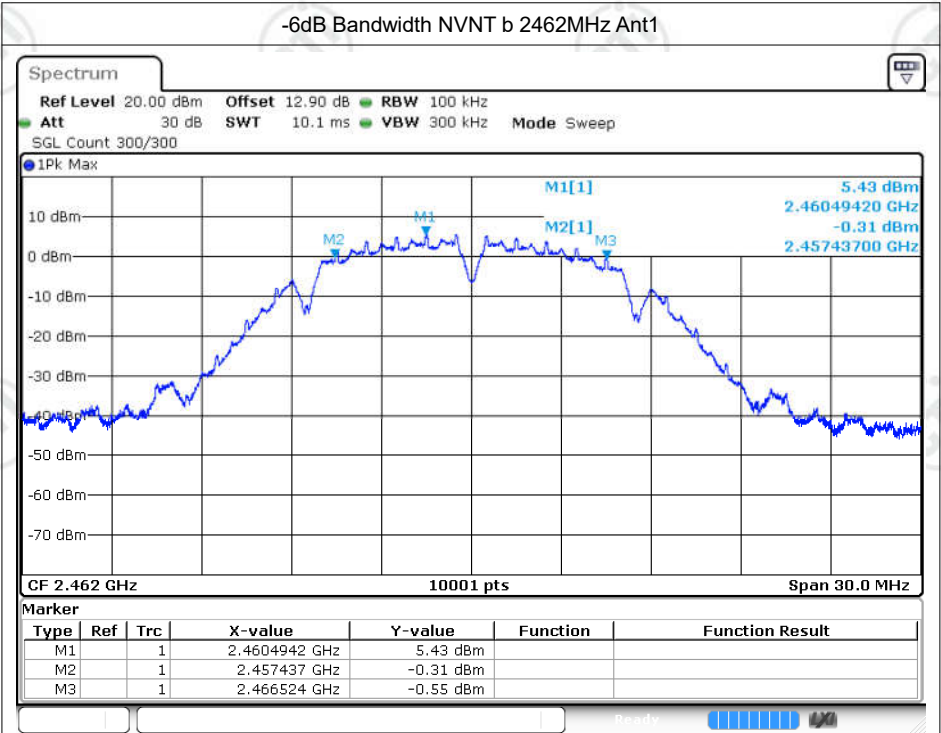
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	18.14	0	18.14	30	Pass
NVNT	b	2437	Ant1	18.39	0	18.39	30	Pass
NVNT	b	2462	Ant1	18.72	0	18.72	30	Pass
NVNT	g	2412	Ant1	17.6	0	17.60	30	Pass
NVNT	g	2437	Ant1	17.57	0	17.57	30	Pass
NVNT	g	2462	Ant1	17.52	0	17.52	30	Pass
NVNT	n20	2412	Ant1	17.71	0	17.71	30	Pass
NVNT	n20	2437	Ant1	17.57	0	17.57	30	Pass
NVNT	n20	2462	Ant1	17.31	0	17.31	30	Pass
NVNT	n40	2422	Ant1	16.73	0	16.73	30	Pass
NVNT	n40	2437	Ant1	16.5	0	16.50	30	Pass
NVNT	n40	2452	Ant1	16.76	0	16.76	30	Pass

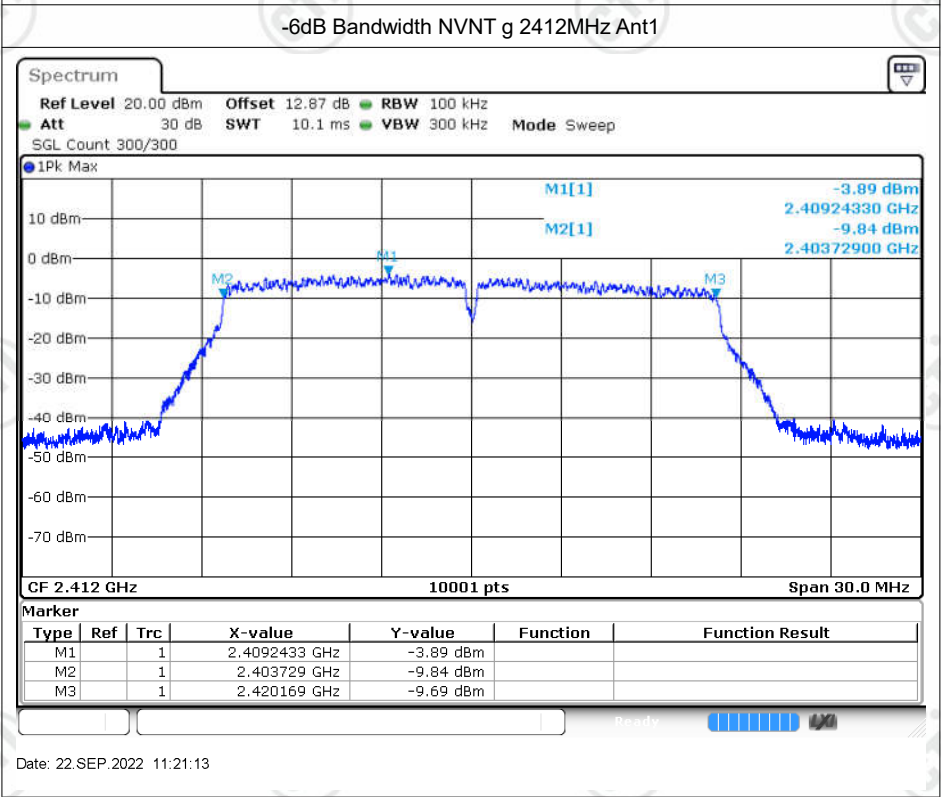
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.087	0.5	Pass
NVNT	b	2437	Ant1	9.552	0.5	Pass
NVNT	b	2462	Ant1	9.087	0.5	Pass
NVNT	g	2412	Ant1	16.44	0.5	Pass
NVNT	g	2437	Ant1	16.569	0.5	Pass
NVNT	g	2462	Ant1	16.461	0.5	Pass
NVNT	n20	2412	Ant1	17.586	0.5	Pass
NVNT	n20	2437	Ant1	17.748	0.5	Pass
NVNT	n20	2462	Ant1	17.649	0.5	Pass
NVNT	n40	2422	Ant1	36.354	0.5	Pass
NVNT	n40	2437	Ant1	36.444	0.5	Pass
NVNT	n40	2452	Ant1	35.664	0.5	Pass

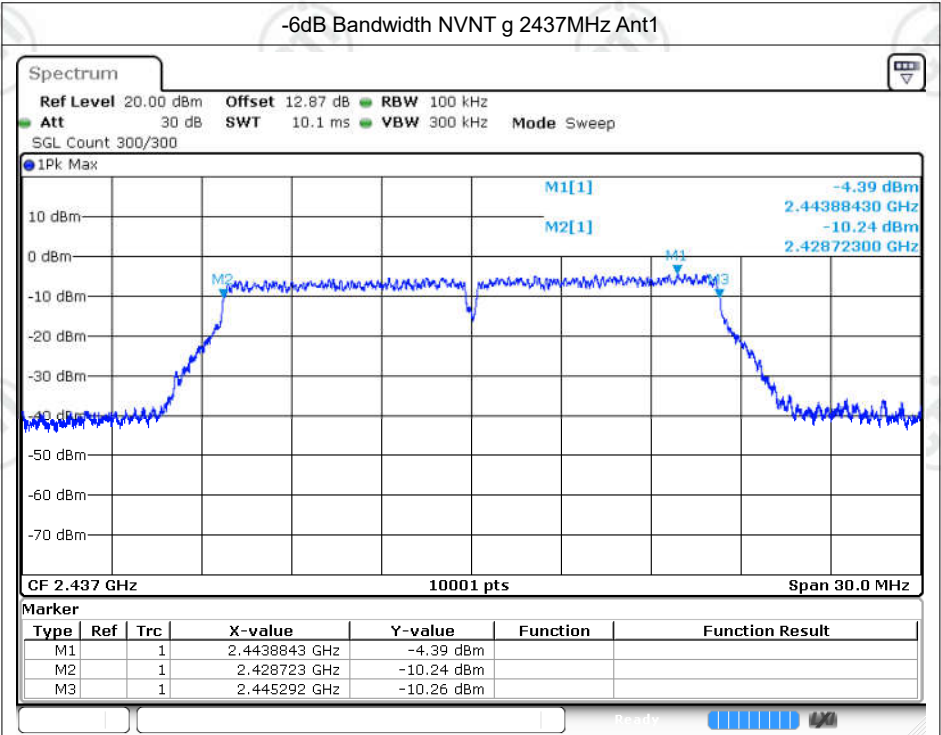




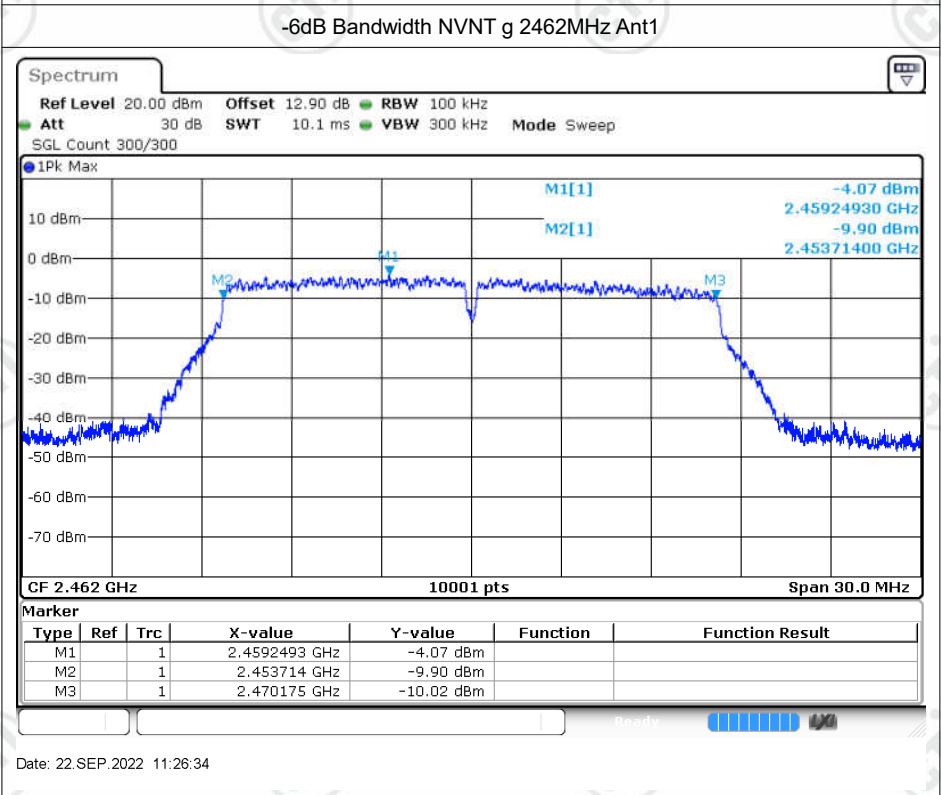
Date: 22.SEP.2022 11:16:13



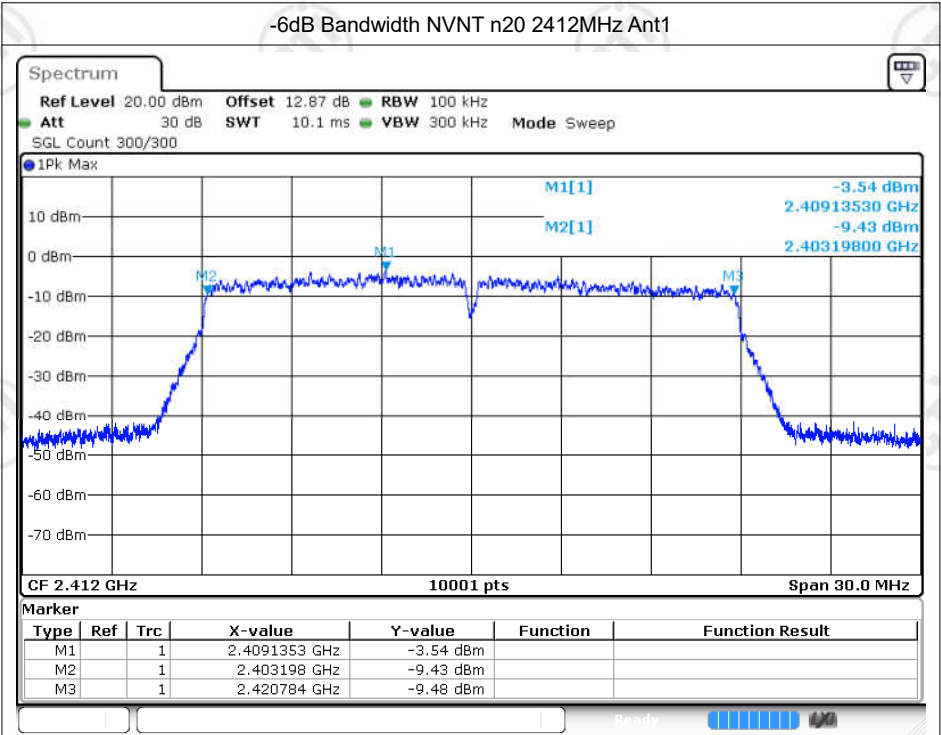
Date: 22.SEP.2022 11:21:13



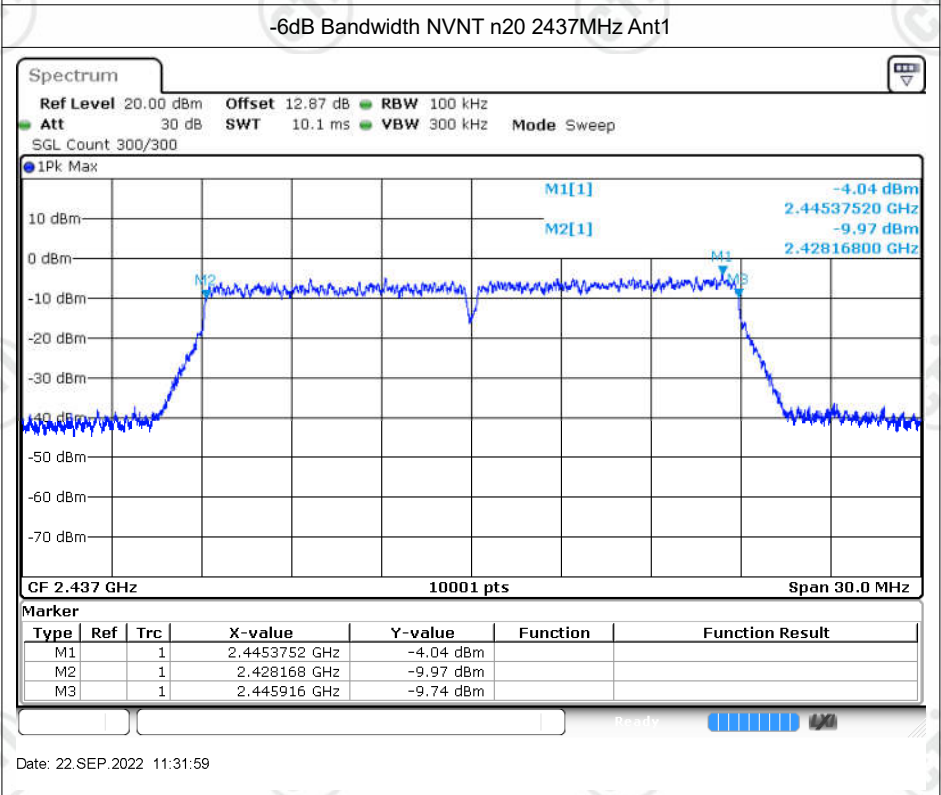
Date: 22.SEP.2022 11:23:55



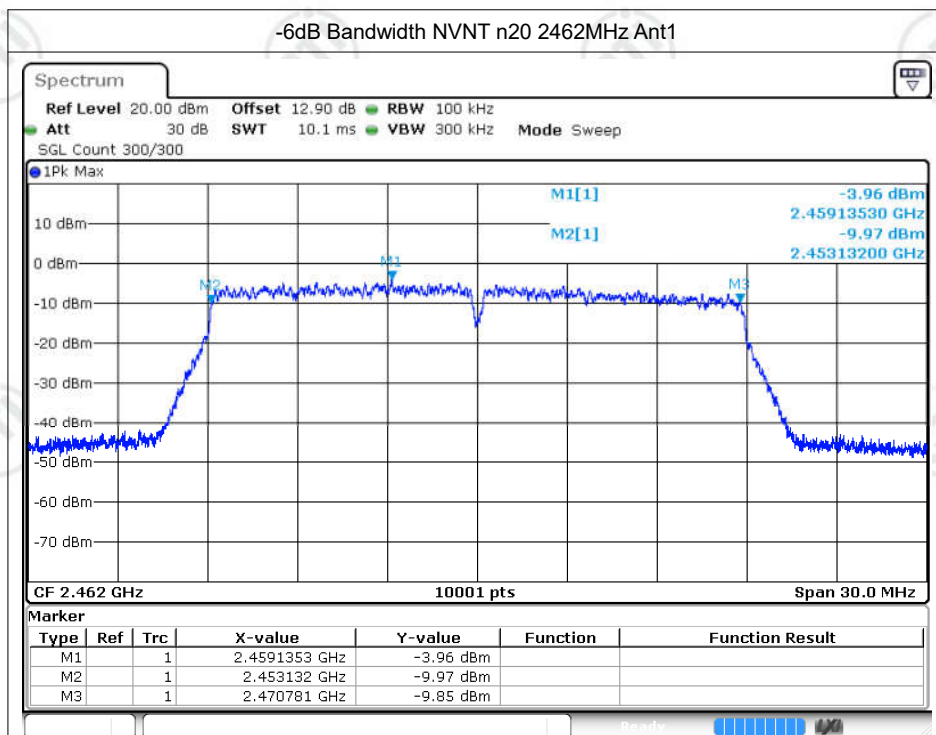
Date: 22.SEP.2022 11:26:34



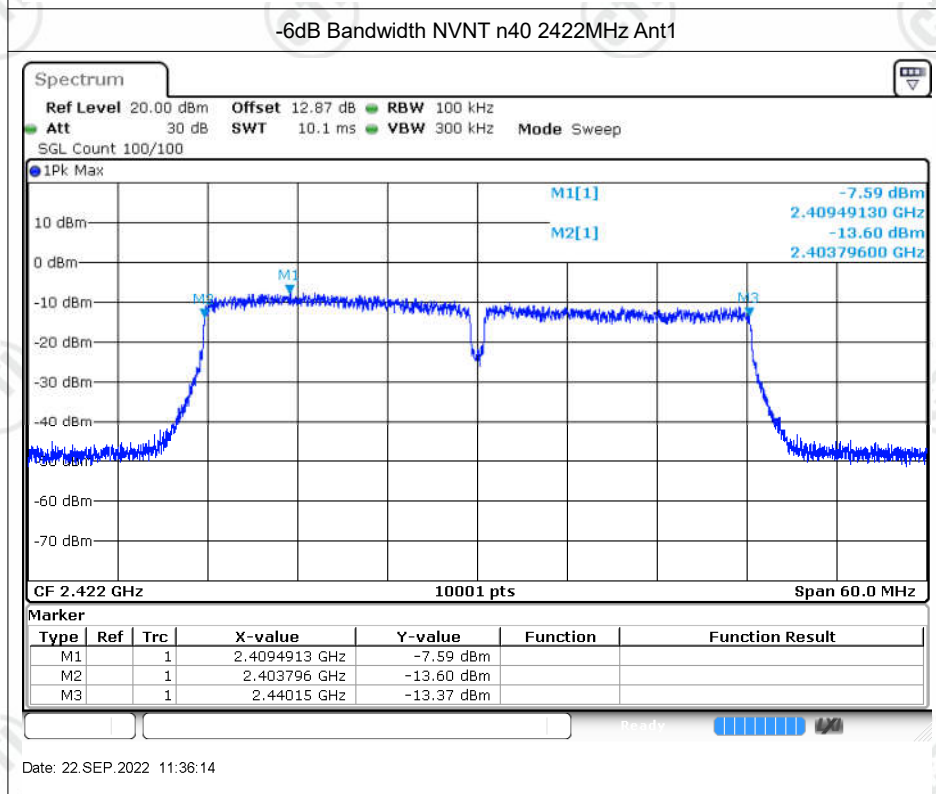
Date: 22.SEP.2022 11:29:21



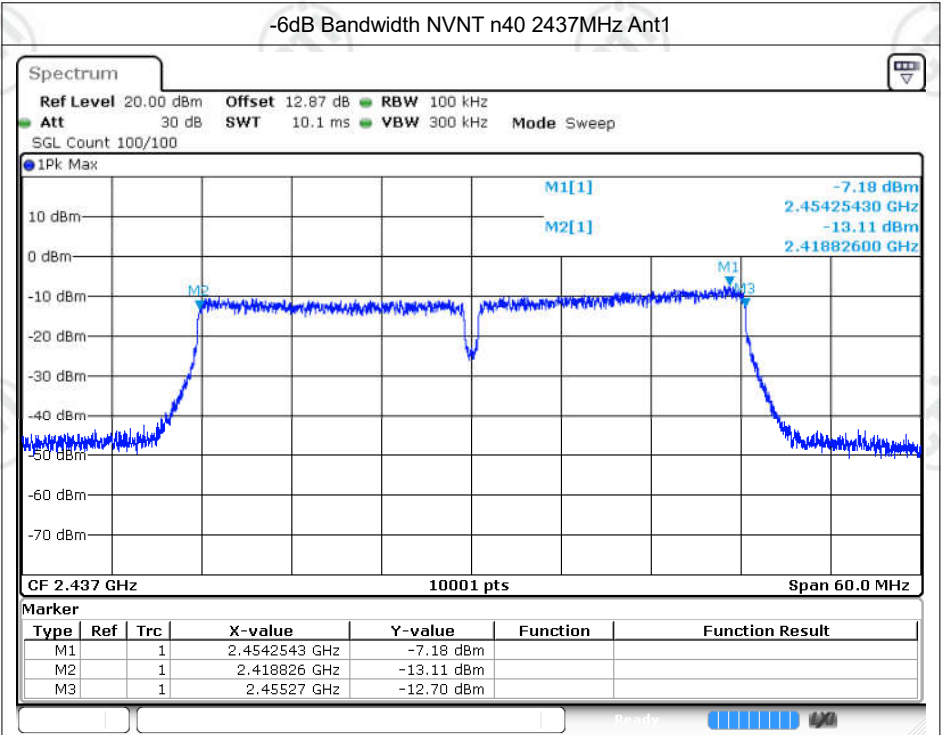
Date: 22.SEP.2022 11:31:59



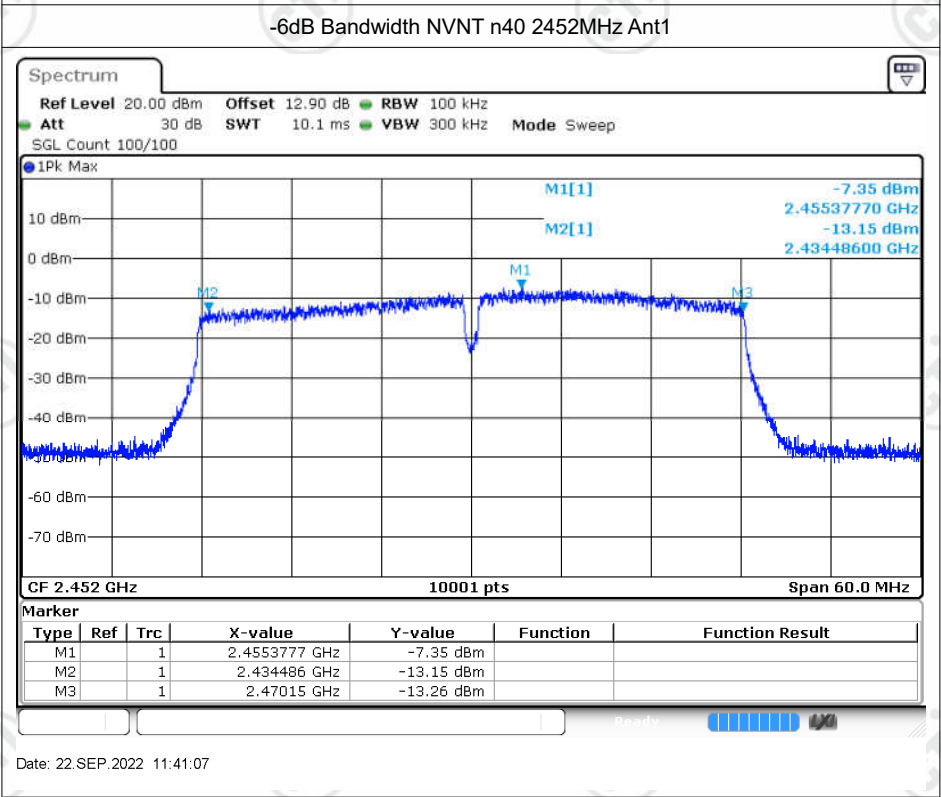
Date: 22.SEP.2022 11:34:09



Date: 22.SEP.2022 11:36:14



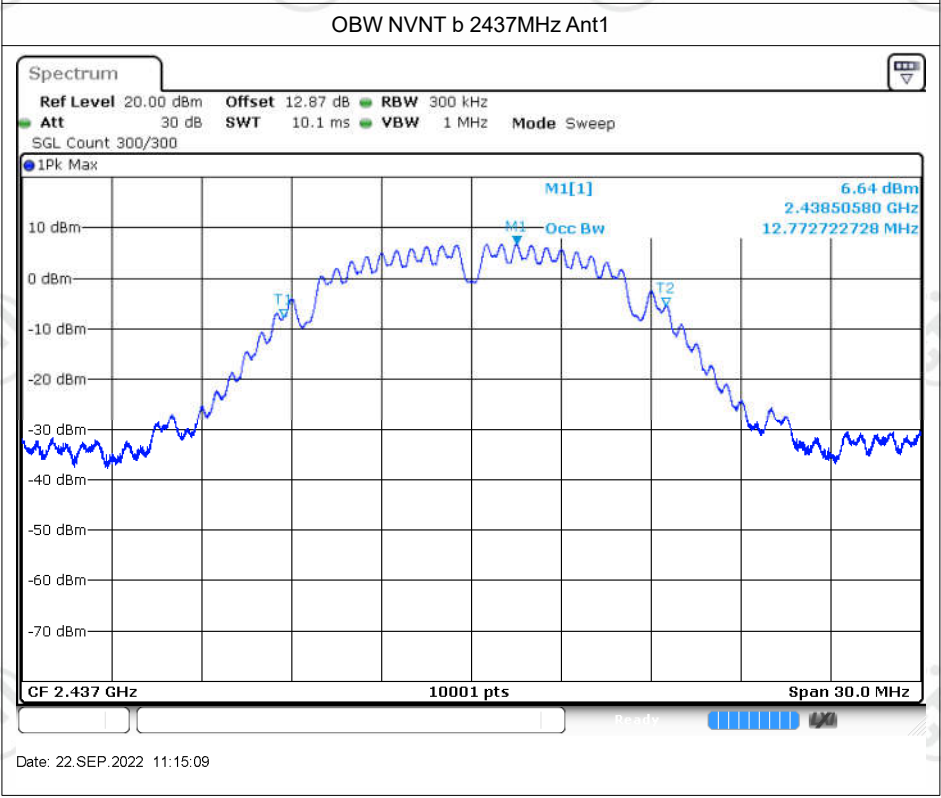
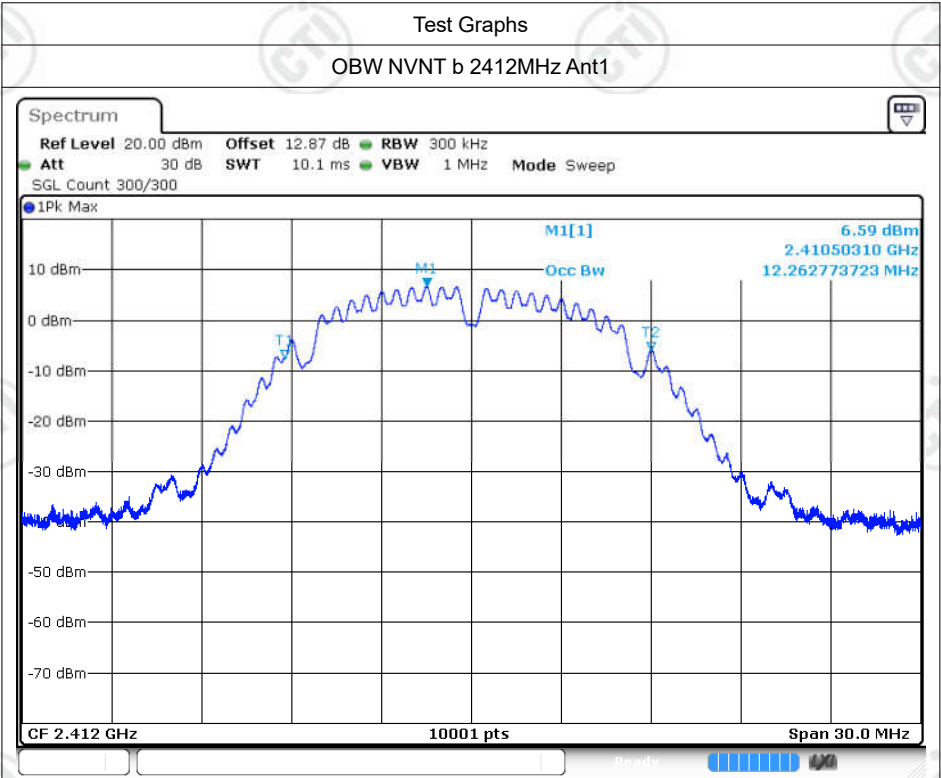
Date: 22.SEP.2022 11:38:54

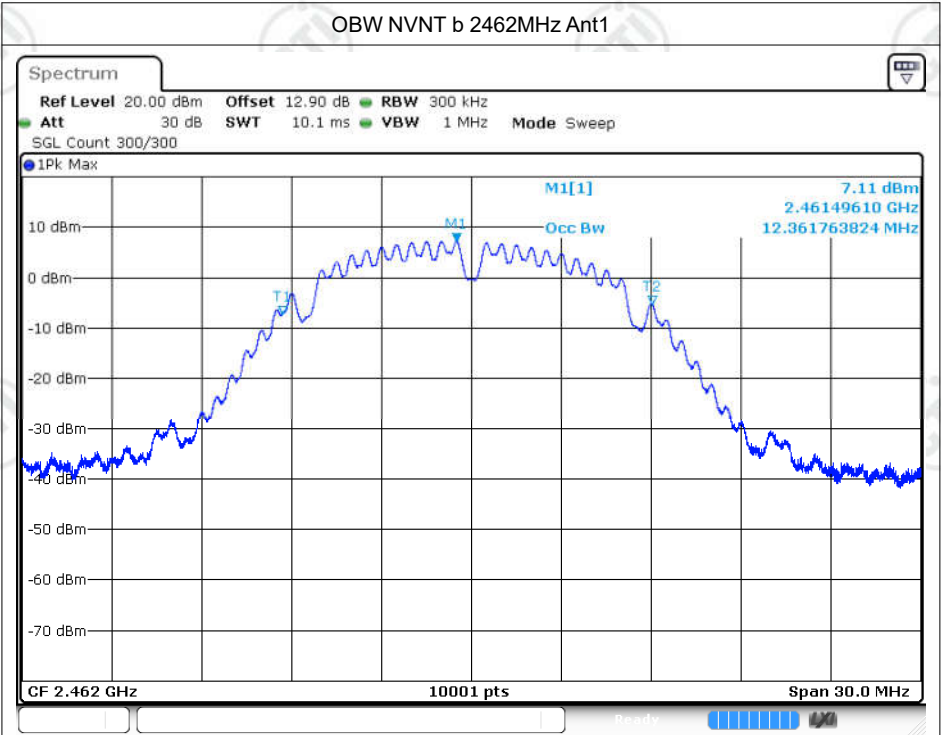


Date: 22.SEP.2022 11:41:07

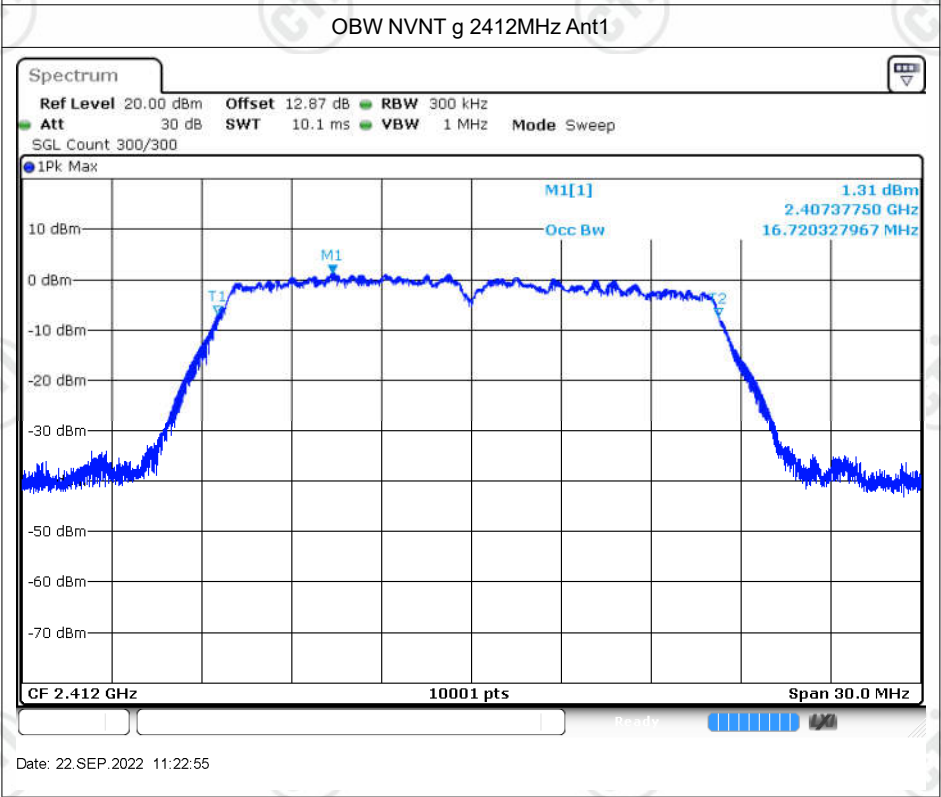
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.263
NVNT	b	2437	Ant1	12.773
NVNT	b	2462	Ant1	12.362
NVNT	g	2412	Ant1	16.72
NVNT	g	2437	Ant1	17.038
NVNT	g	2462	Ant1	16.768
NVNT	n20	2412	Ant1	17.629
NVNT	n20	2437	Ant1	17.866
NVNT	n20	2462	Ant1	17.671
NVNT	n40	2422	Ant1	36.194
NVNT	n40	2437	Ant1	36.524
NVNT	n40	2452	Ant1	35.84

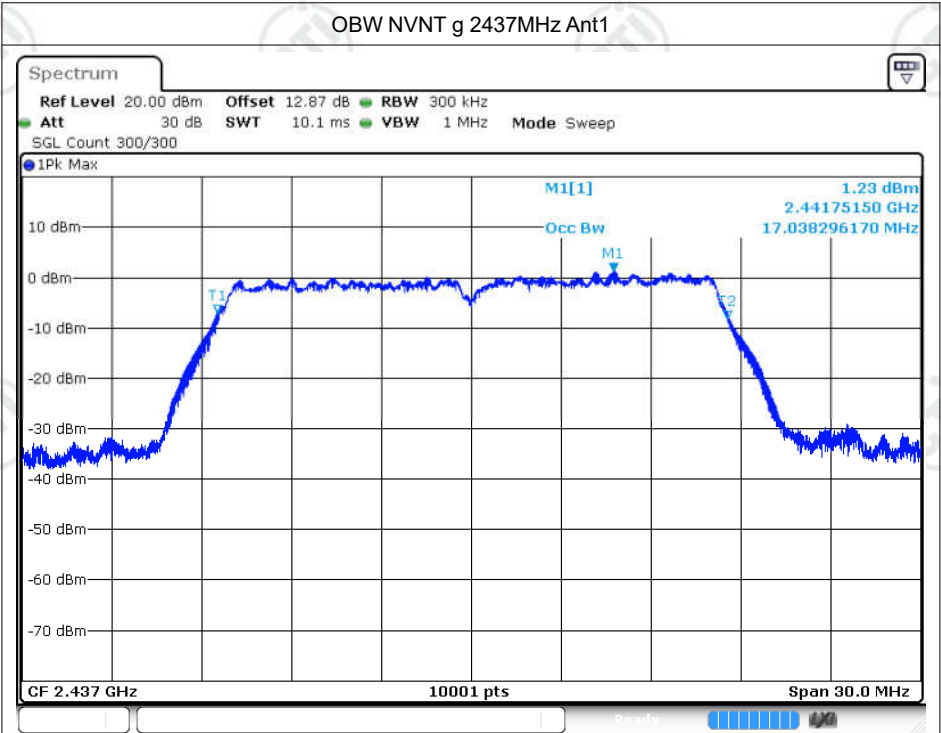




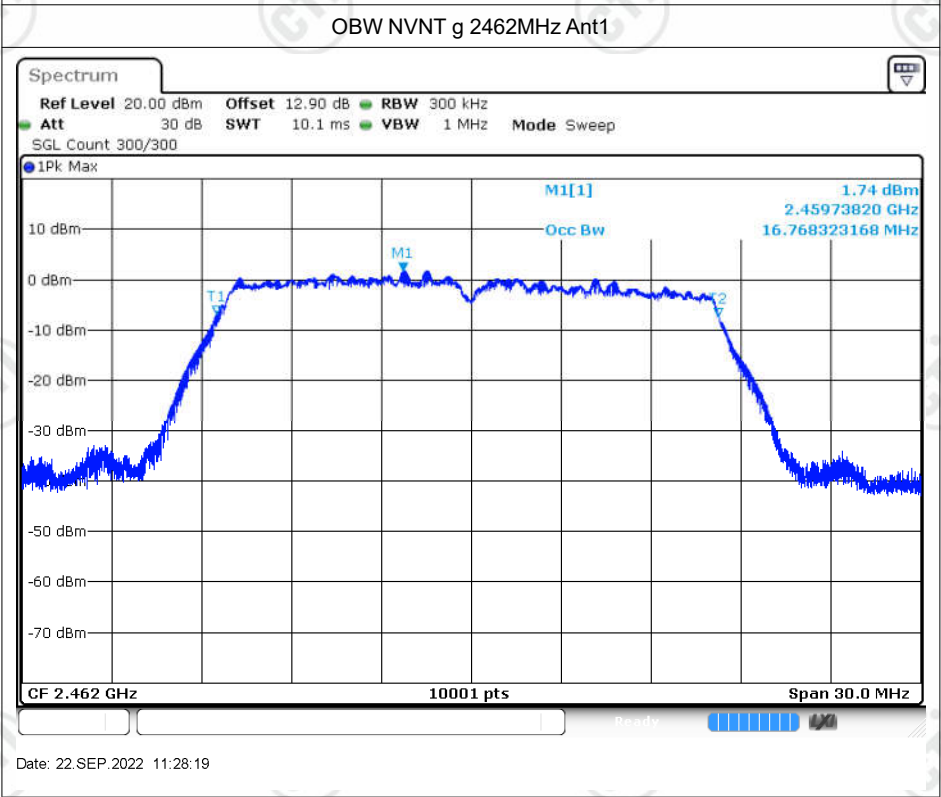
Date: 22.SEP.2022 11:49:28



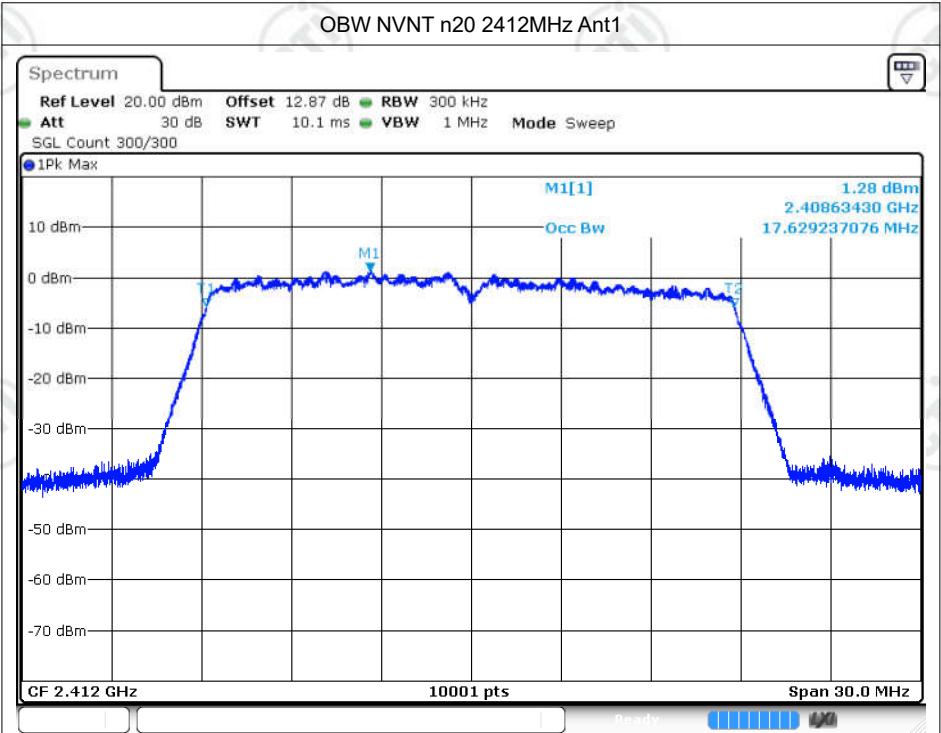
Date: 22.SEP.2022 11:22:55



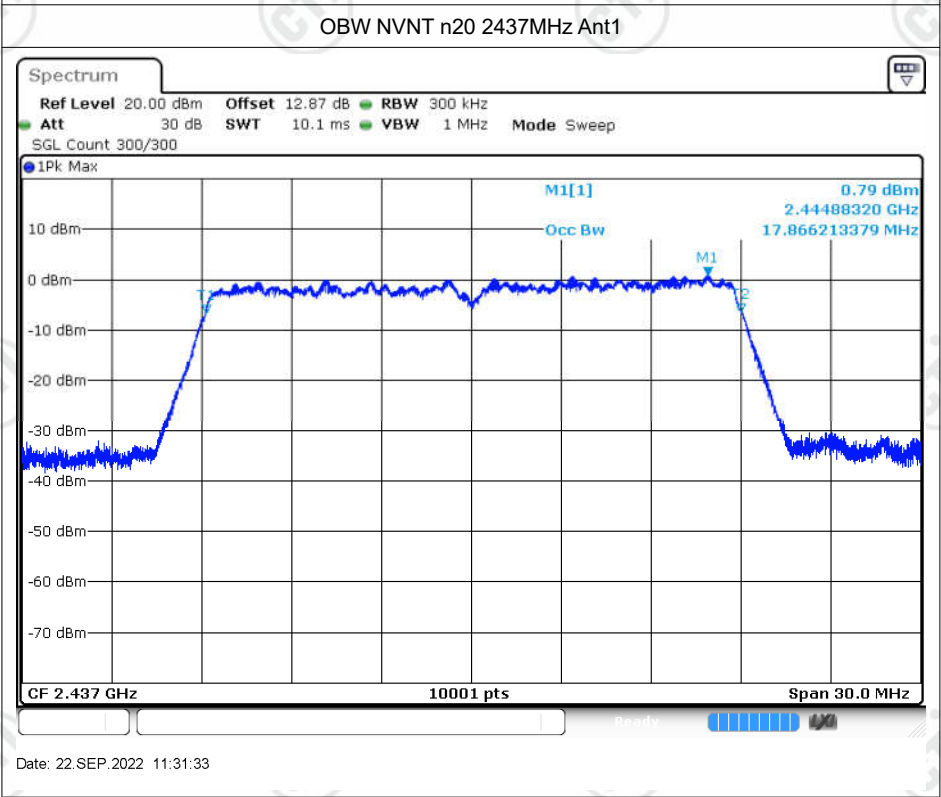
Date: 22.SEP.2022 11:25:08



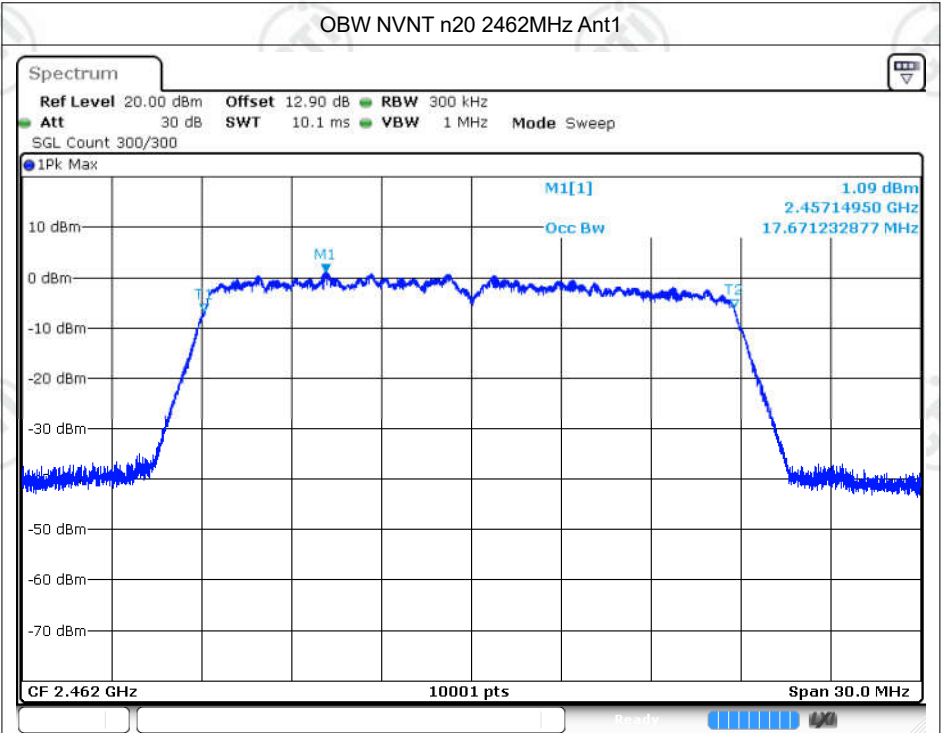
Date: 22.SEP.2022 11:28:19



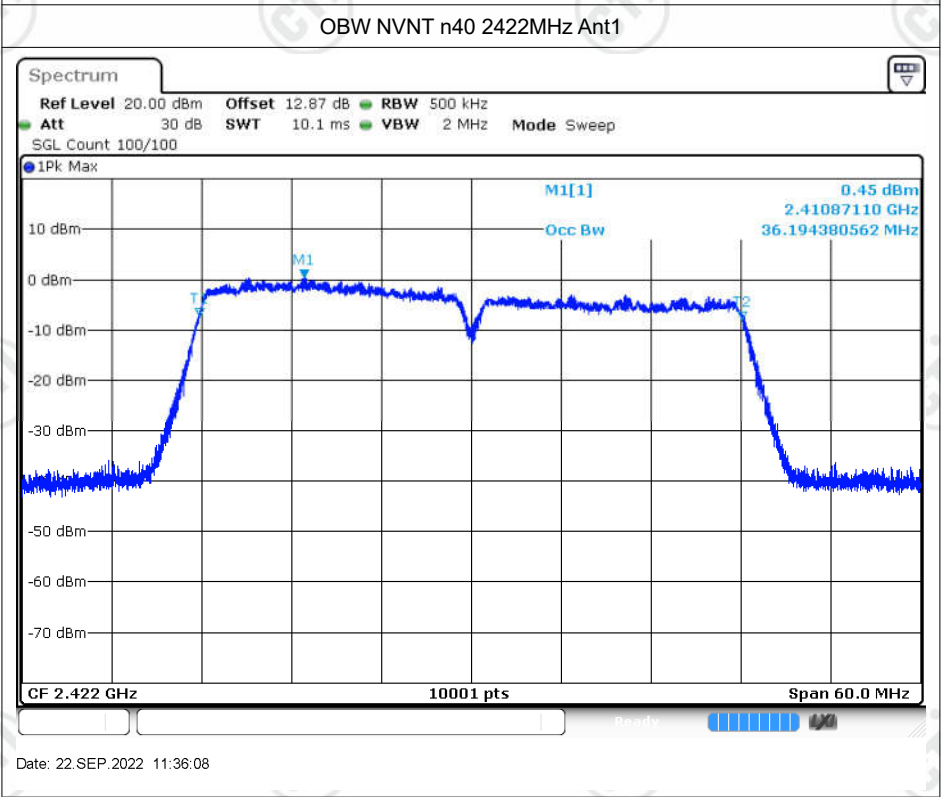
Date: 22.SEP.2022 11:30:47



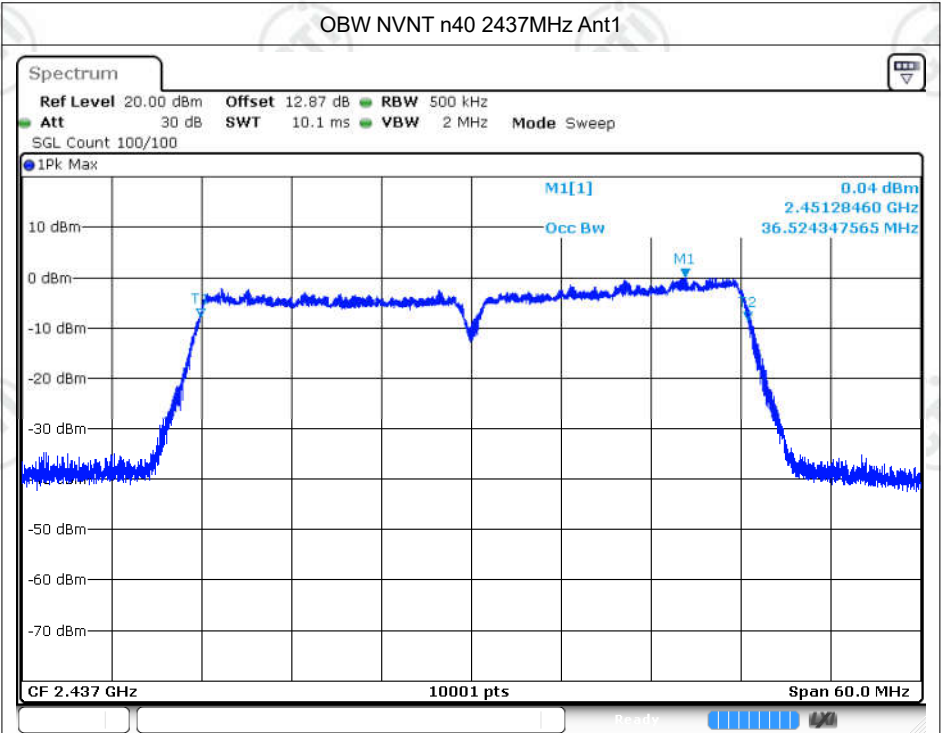
Date: 22.SEP.2022 11:31:33



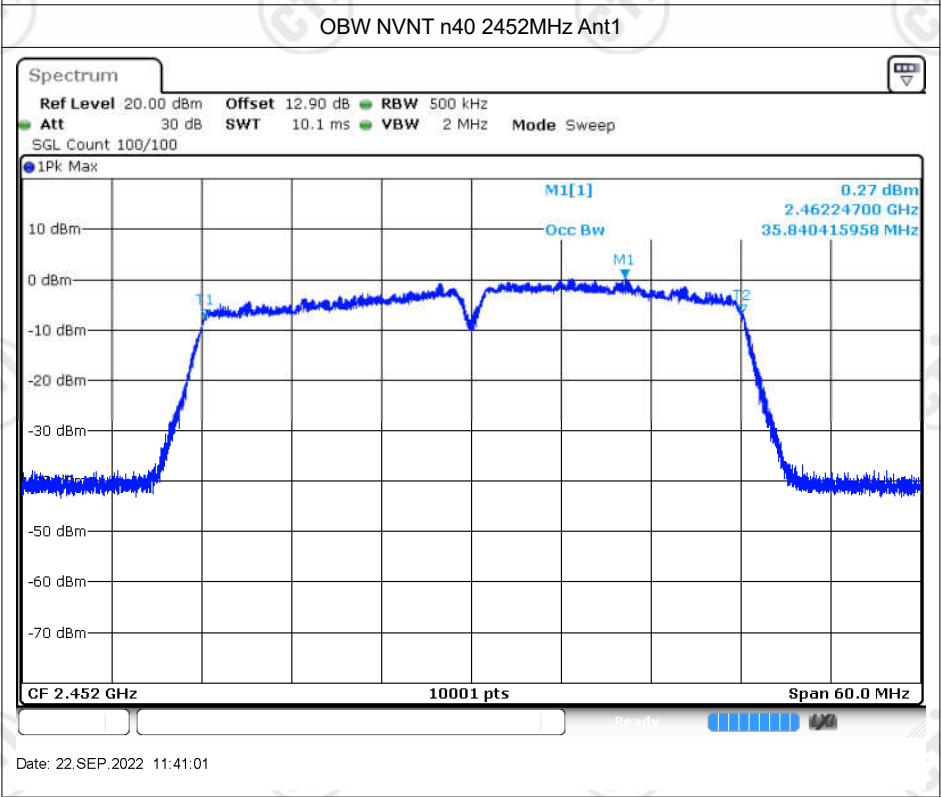
Date: 22.SEP.2022 11:33:41



Date: 22.SEP.2022 11:36:08



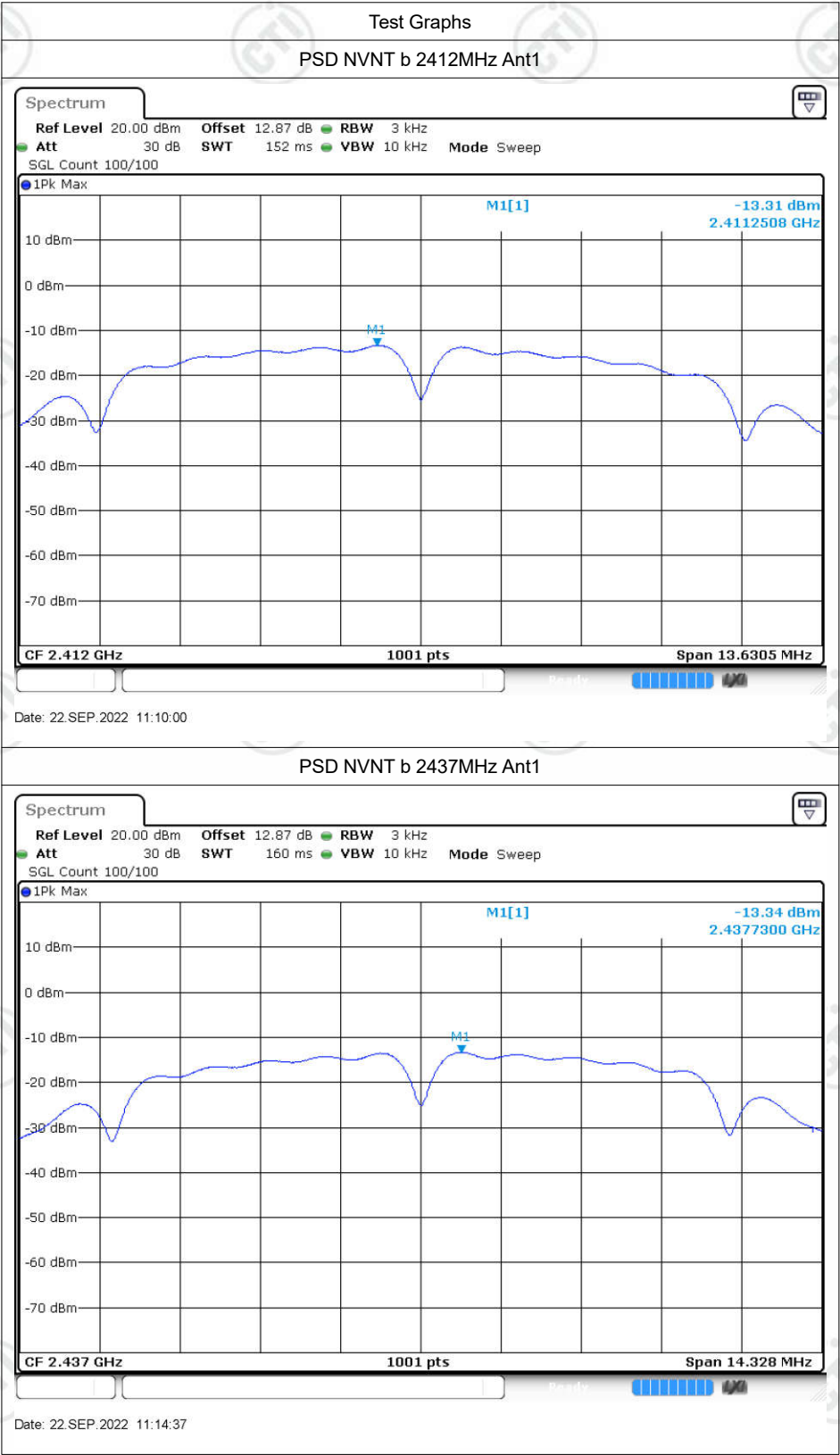
Date: 22.SEP.2022 11:38:48

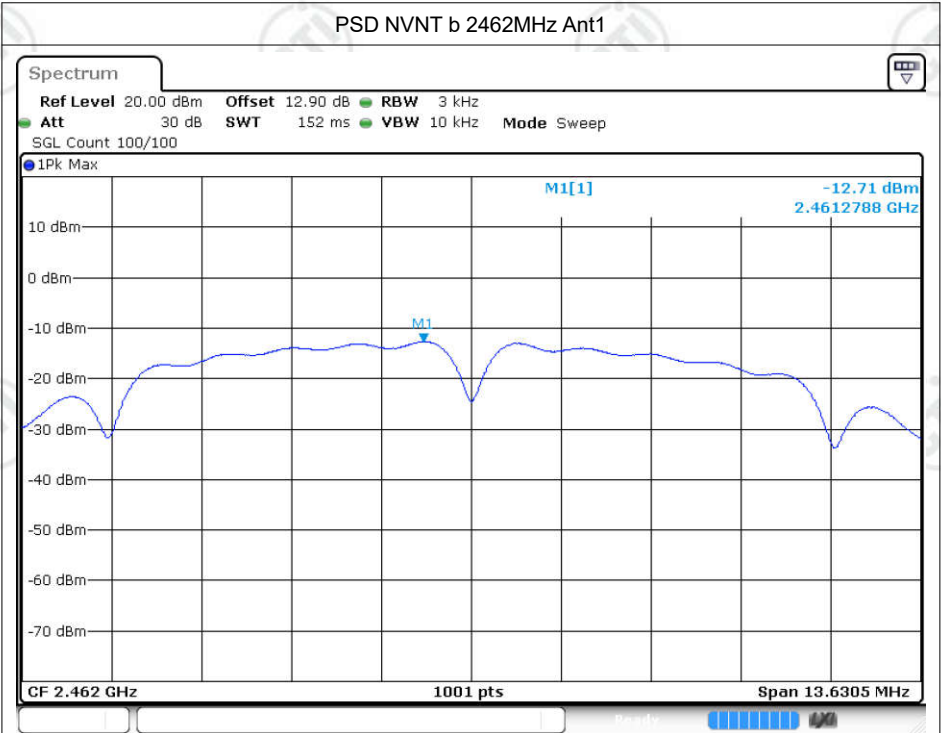


Date: 22.SEP.2022 11:41:01

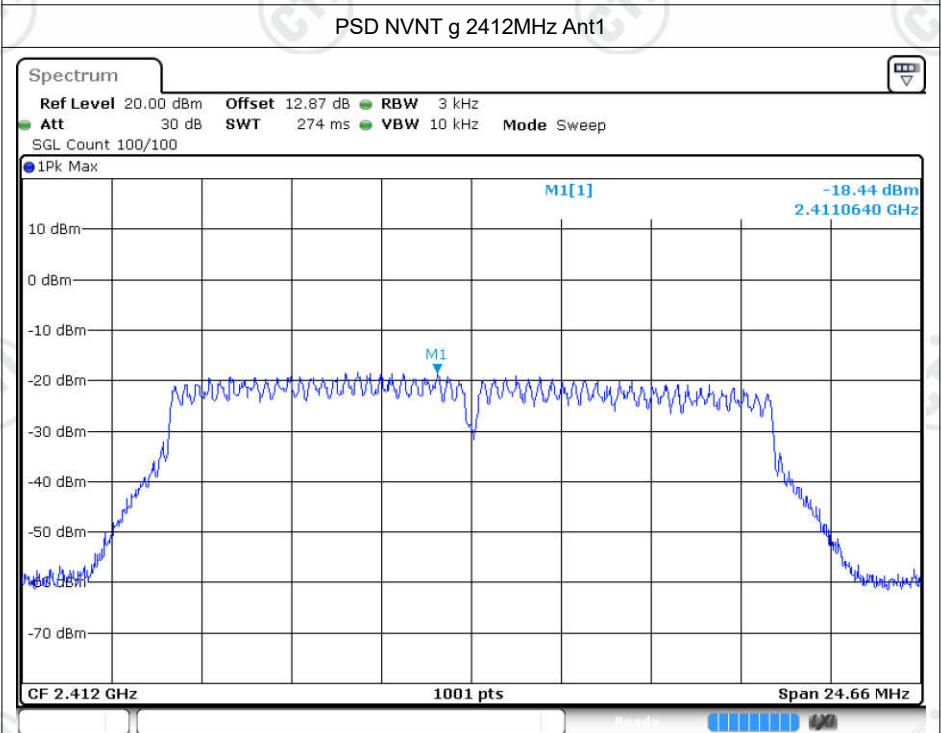
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-13.31	0	-13.31	8	Pass
NVNT	b	2437	Ant1	-13.34	0	-13.34	8	Pass
NVNT	b	2462	Ant1	-12.71	0	-12.71	8	Pass
NVNT	g	2412	Ant1	-18.44	0	-18.44	8	Pass
NVNT	g	2437	Ant1	-18.46	0	-18.46	8	Pass
NVNT	g	2462	Ant1	-18.62	0	-18.62	8	Pass
NVNT	n20	2412	Ant1	-17.5	0	-17.5	8	Pass
NVNT	n20	2437	Ant1	-17.43	0	-17.43	8	Pass
NVNT	n20	2462	Ant1	-17.93	0	-17.93	8	Pass
NVNT	n40	2422	Ant1	-20.47	0	-20.47	8	Pass
NVNT	n40	2437	Ant1	-19.76	0	-19.76	8	Pass
NVNT	n40	2452	Ant1	-19.97	0	-19.97	8	Pass

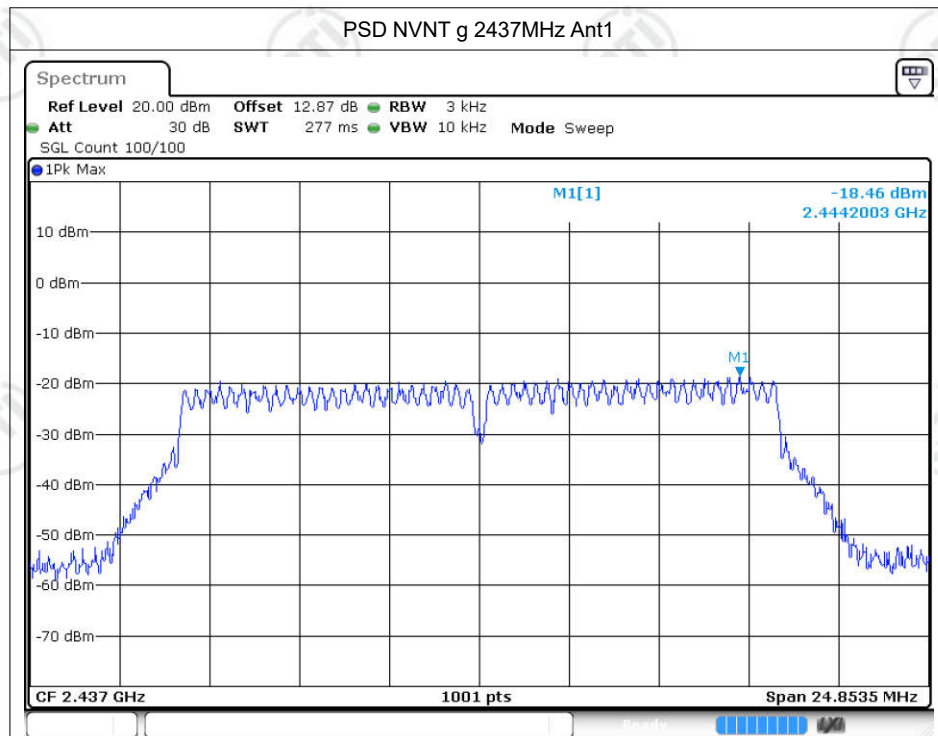




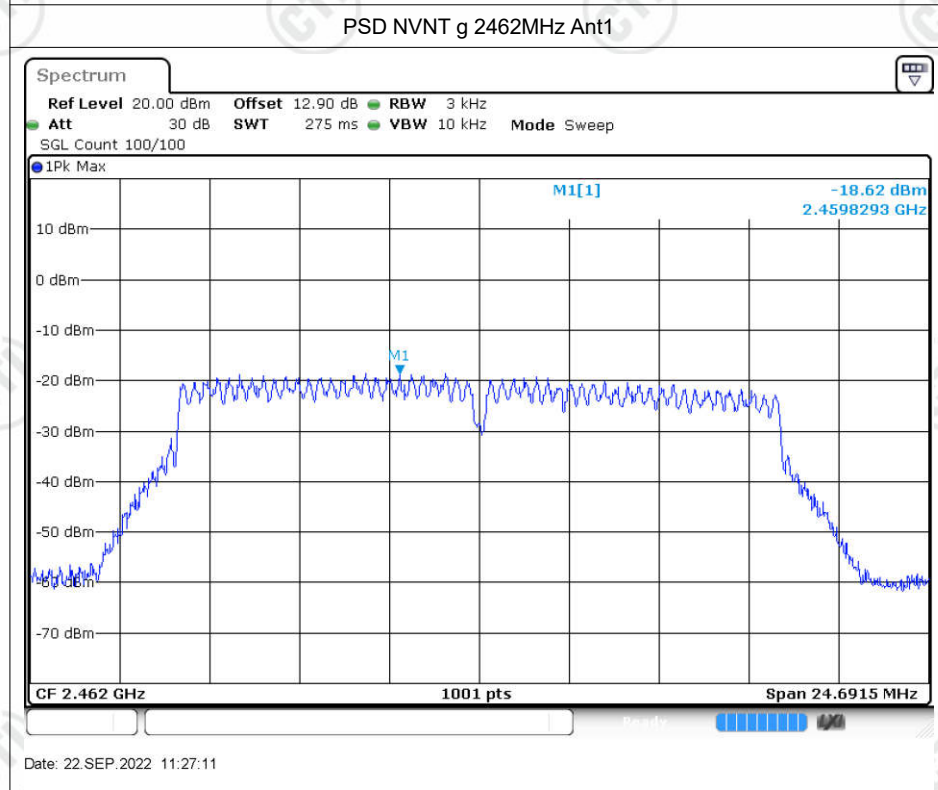
Date: 22.SEP.2022 11:16:34



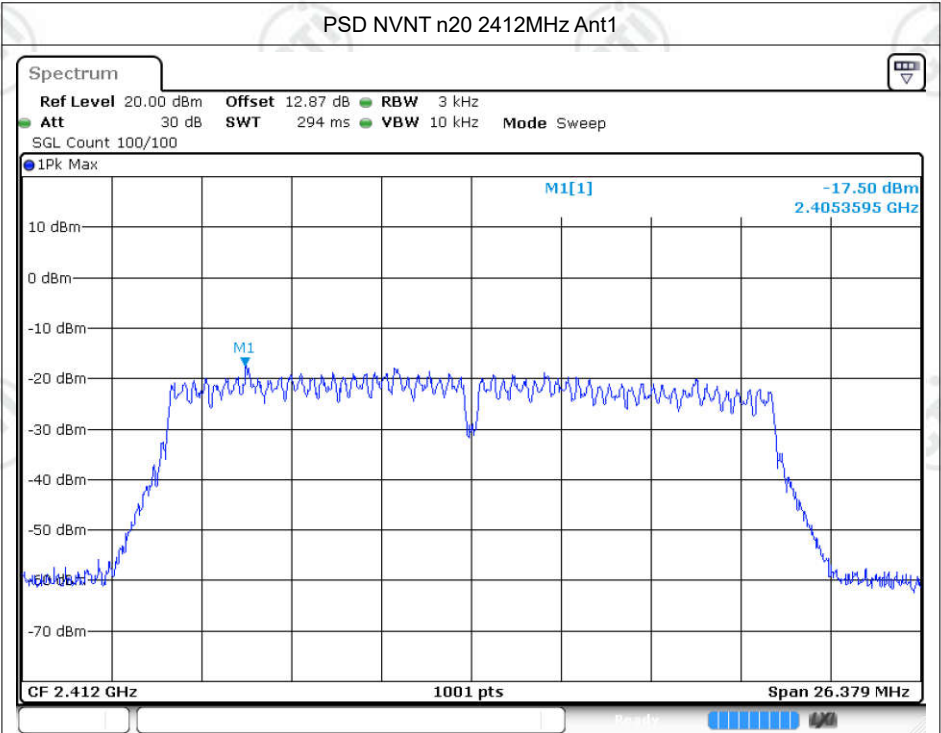
Date: 22.SEP.2022 11:21:49



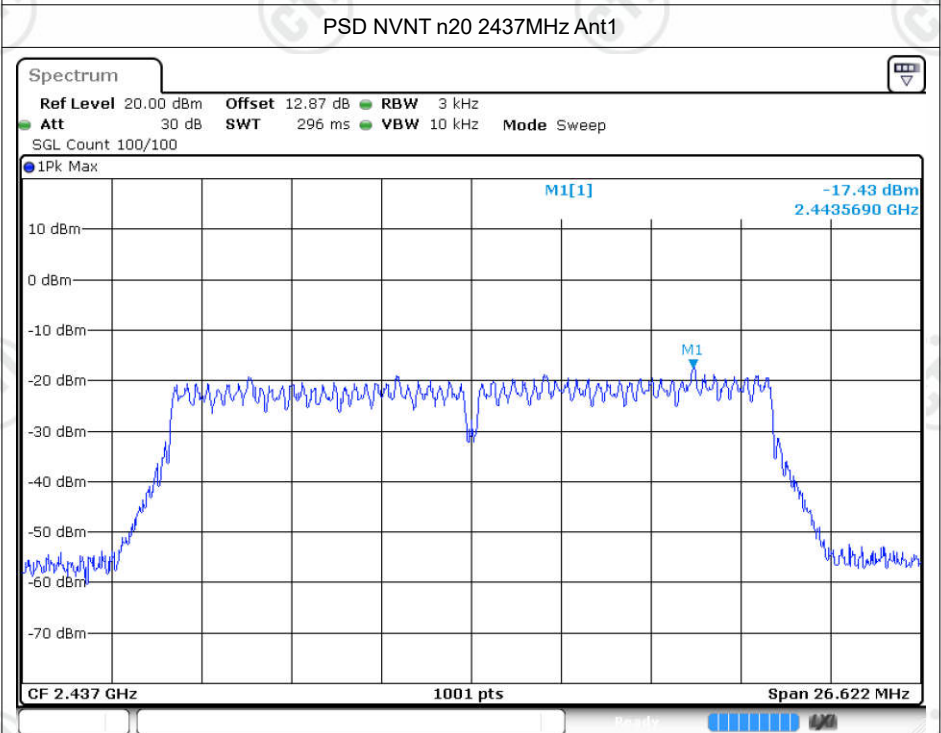
Date: 22.SEP.2022 11:24:51



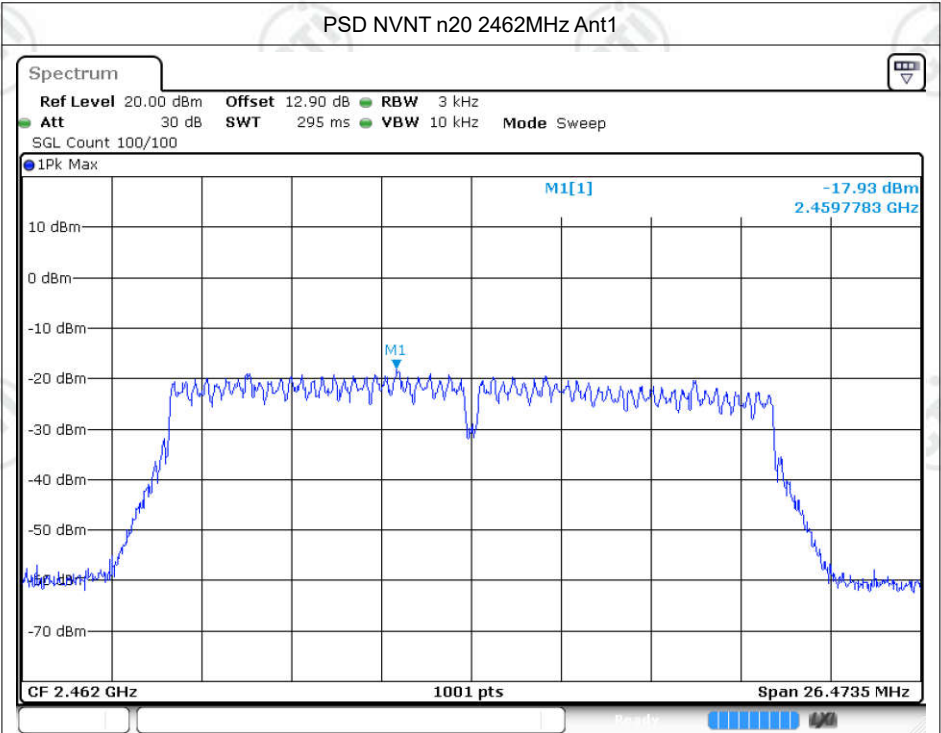
Date: 22.SEP.2022 11:27:11



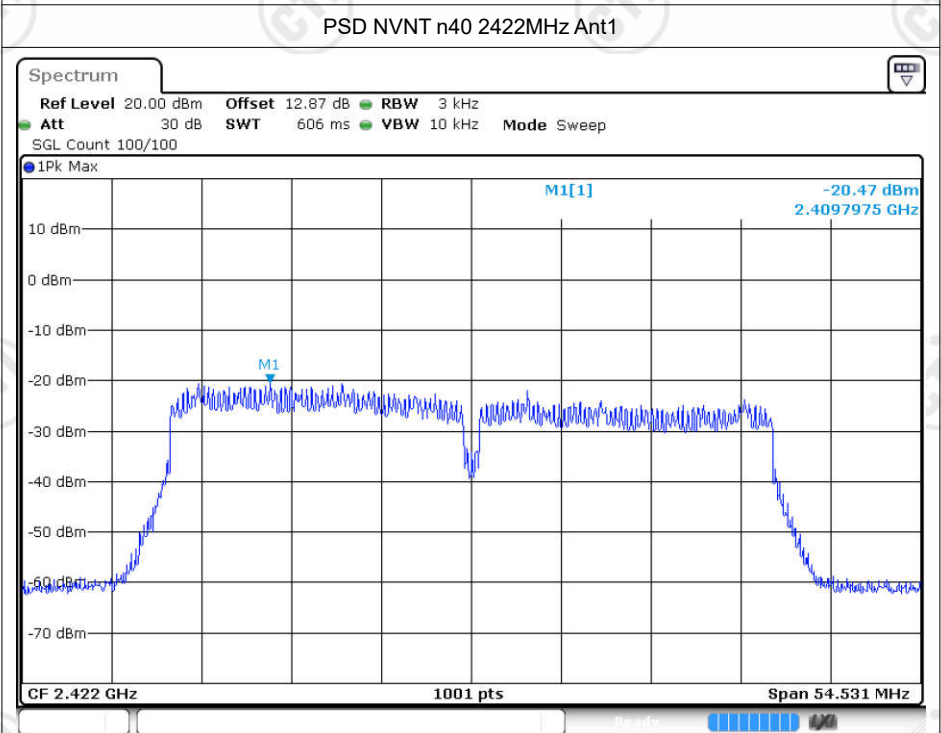
Date: 22.SEP.2022 11:30:00



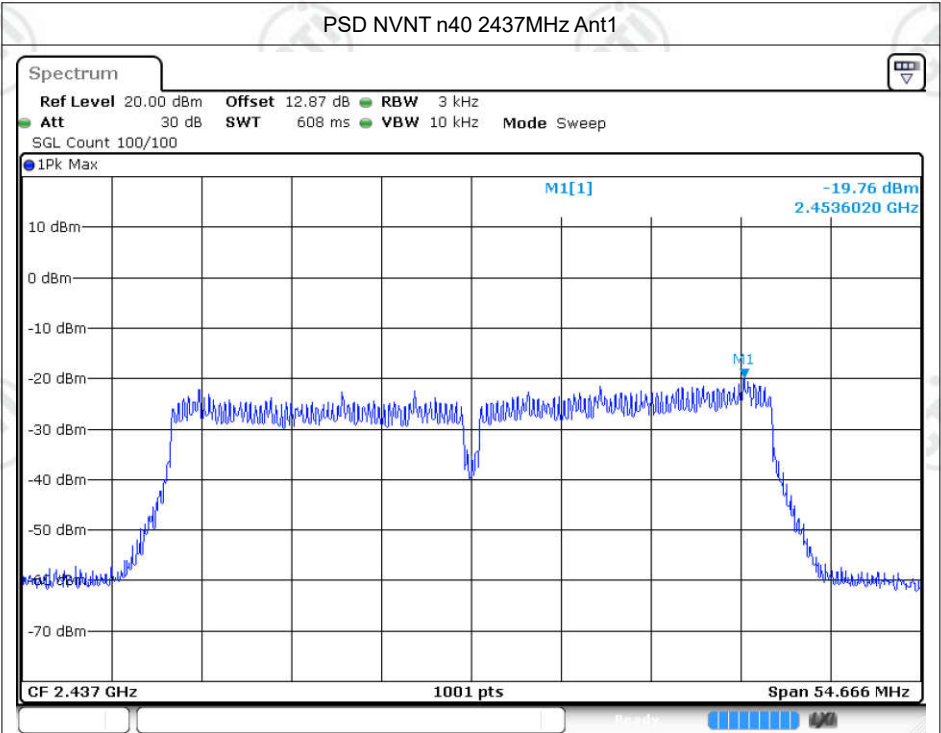
Date: 22.SEP.2022 11:32:57



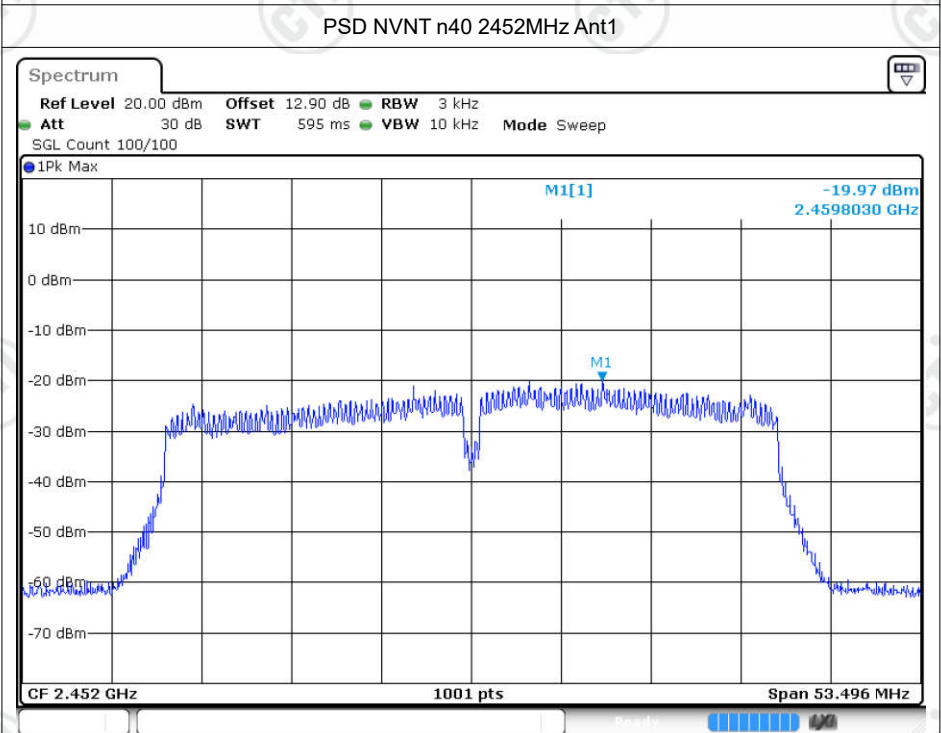
Date: 22.SEP.2022 11:34:48



Date: 22.SEP.2022 11:37:31



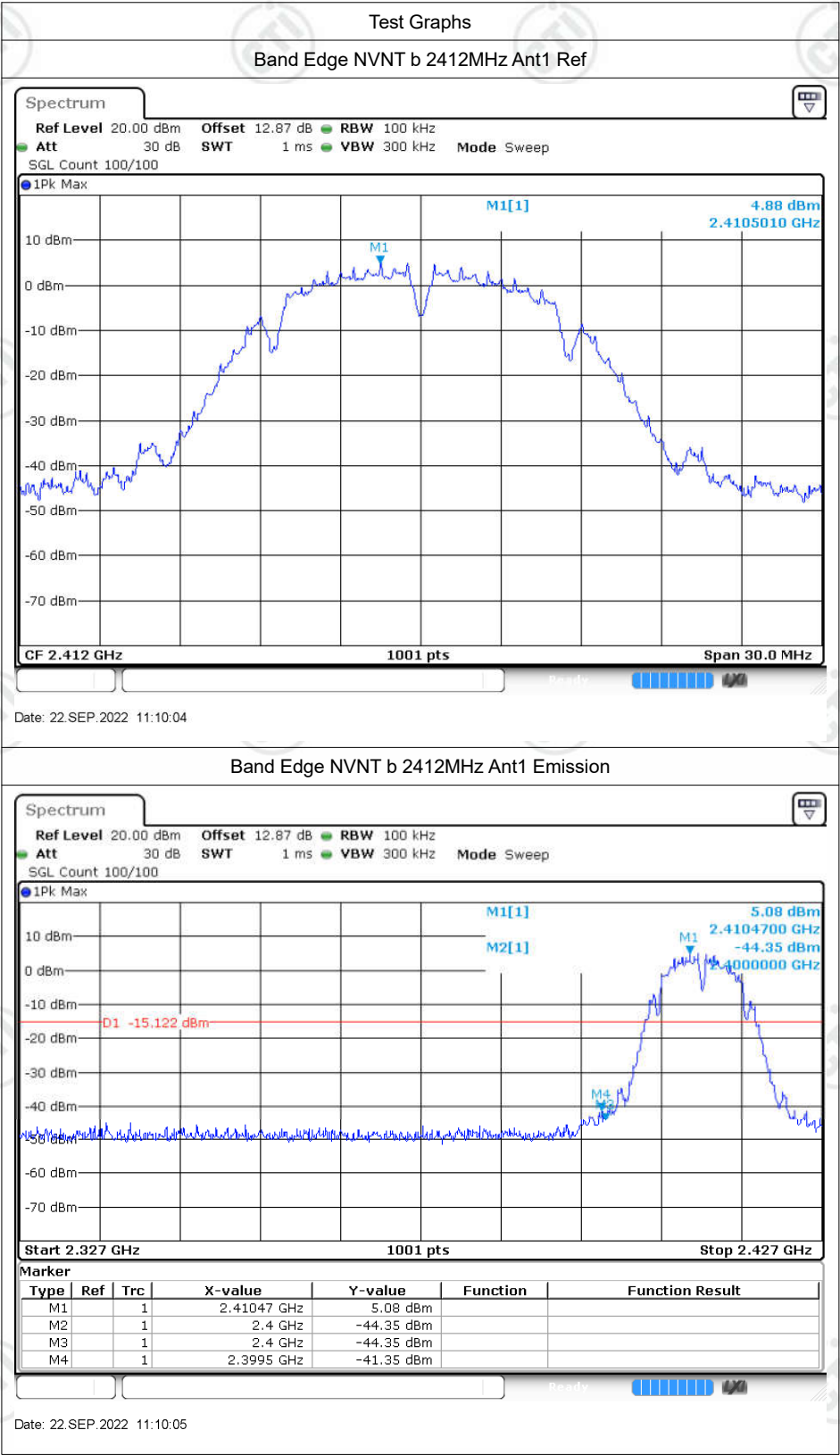
Date: 22.SEP.2022 11:40:11

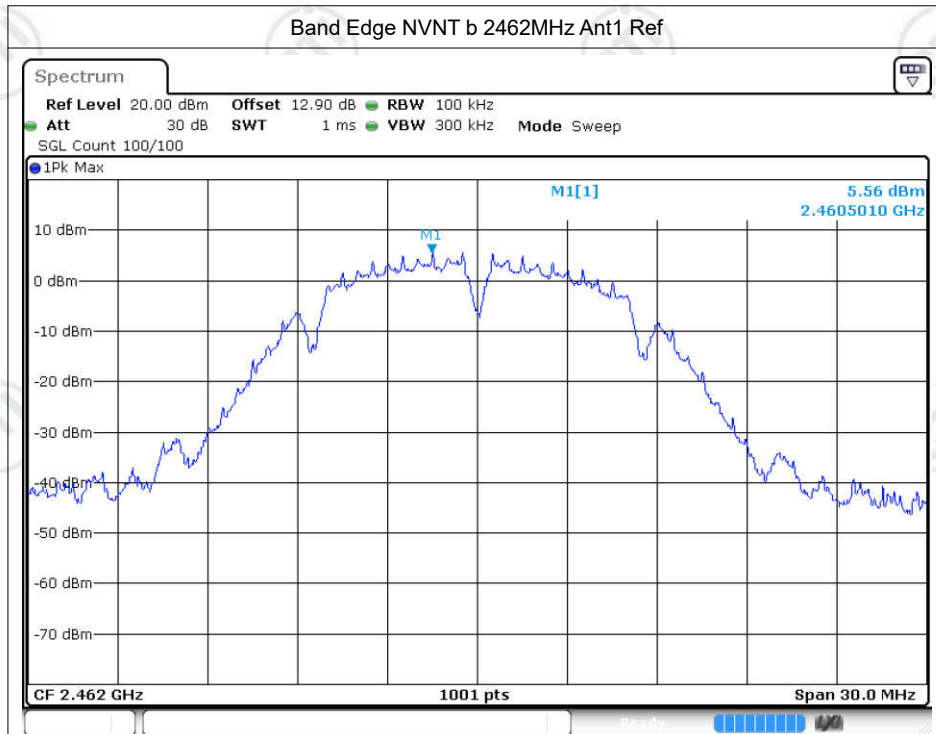


Date: 22.SEP.2022 11:42:22

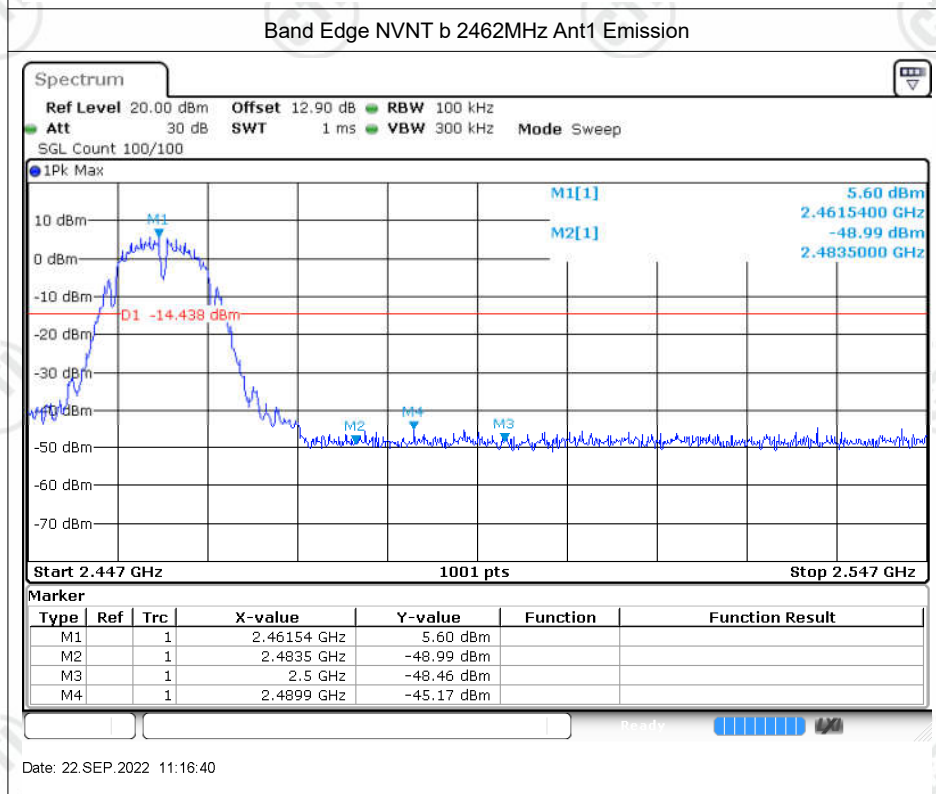
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.23	-20	Pass
NVNT	b	2462	Ant1	-50.72	-20	Pass
NVNT	g	2412	Ant1	-39.13	-20	Pass
NVNT	g	2462	Ant1	-41.35	-20	Pass
NVNT	n20	2412	Ant1	-40.25	-20	Pass
NVNT	n20	2462	Ant1	-41.75	-20	Pass
NVNT	n40	2422	Ant1	-37.36	-20	Pass
NVNT	n40	2452	Ant1	-38.14	-20	Pass

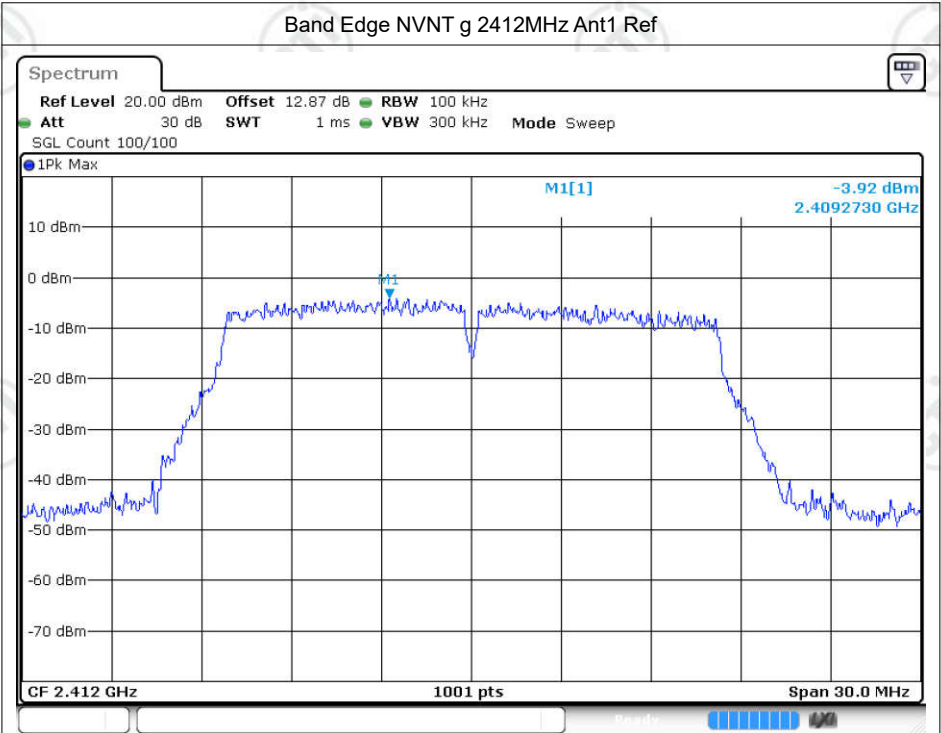




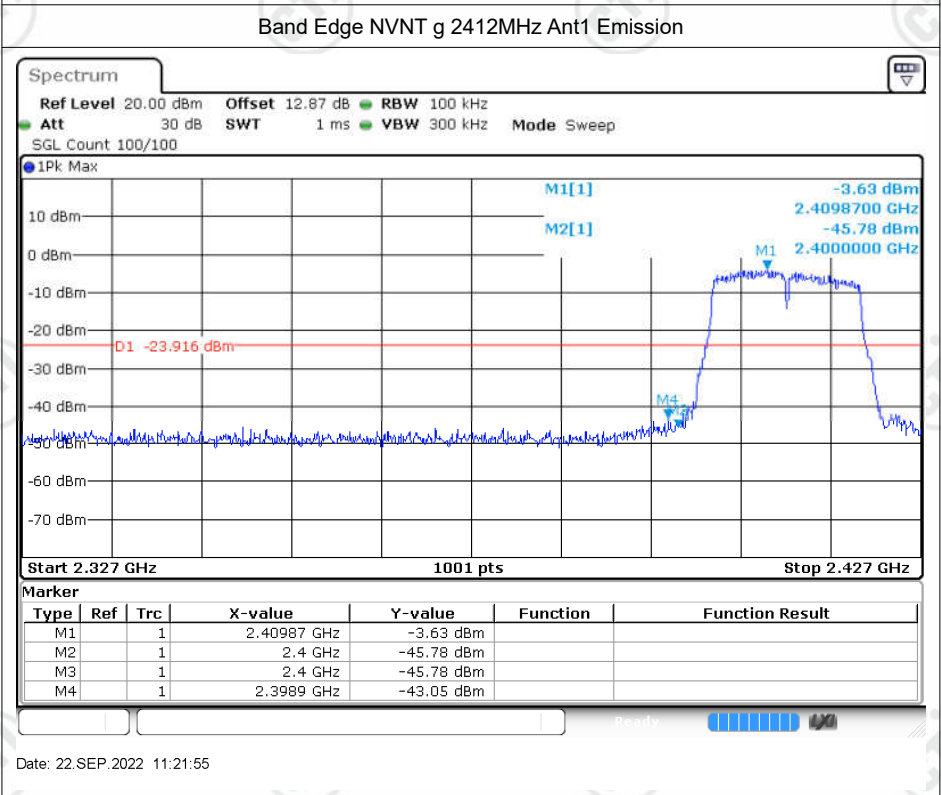
Date: 22.SEP.2022 11:16:38



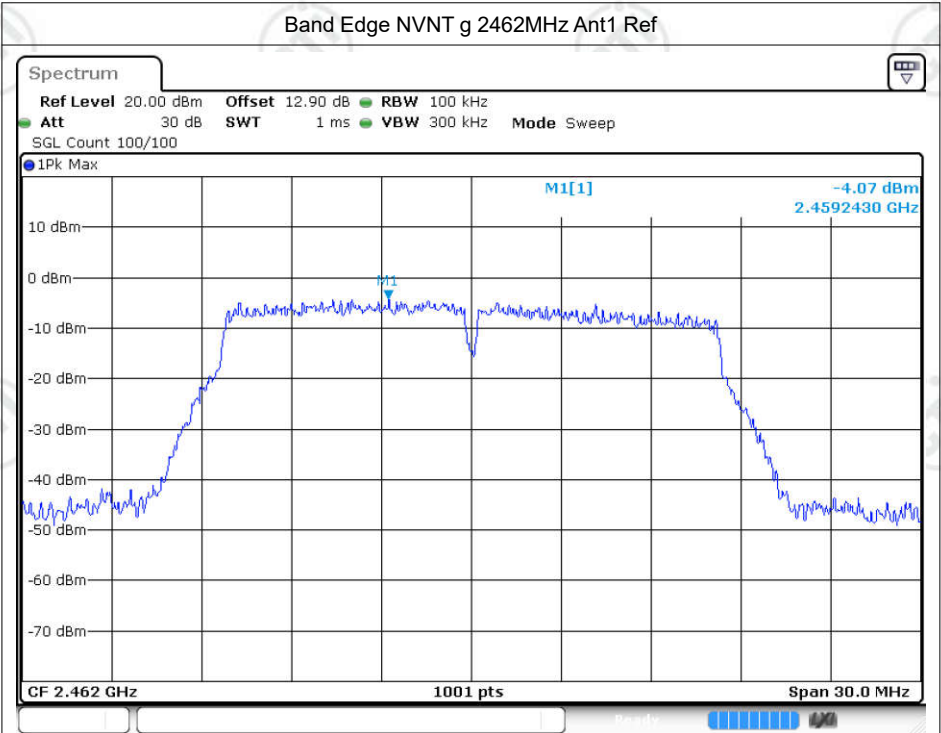
Date: 22.SEP.2022 11:16:40



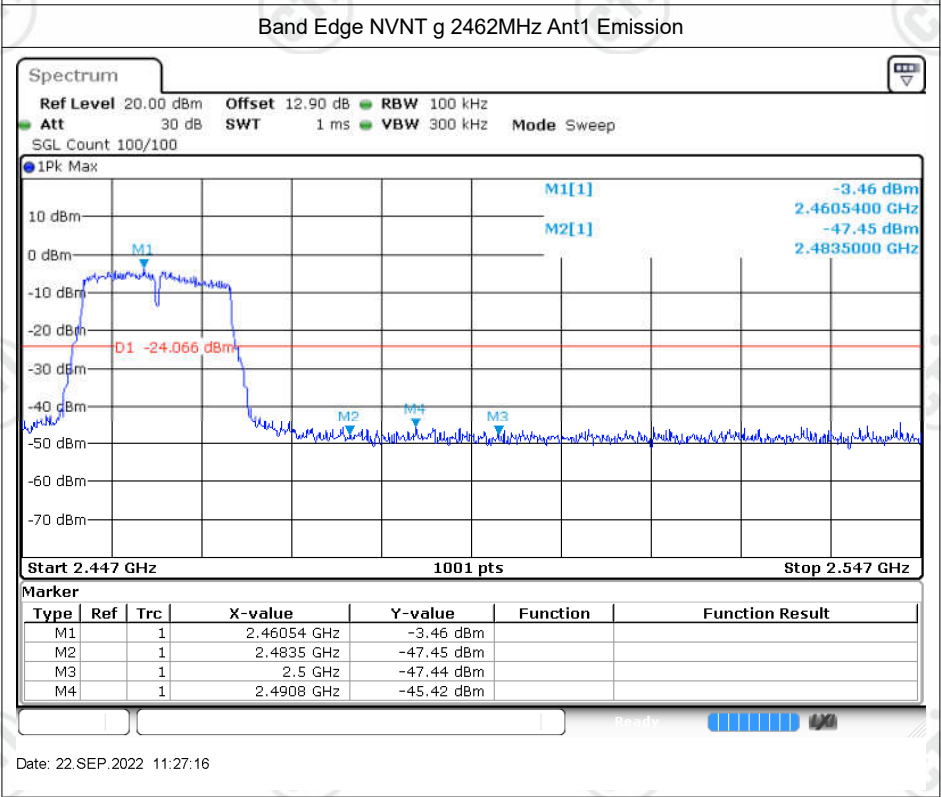
Date: 22.SEP.2022 11:21:53



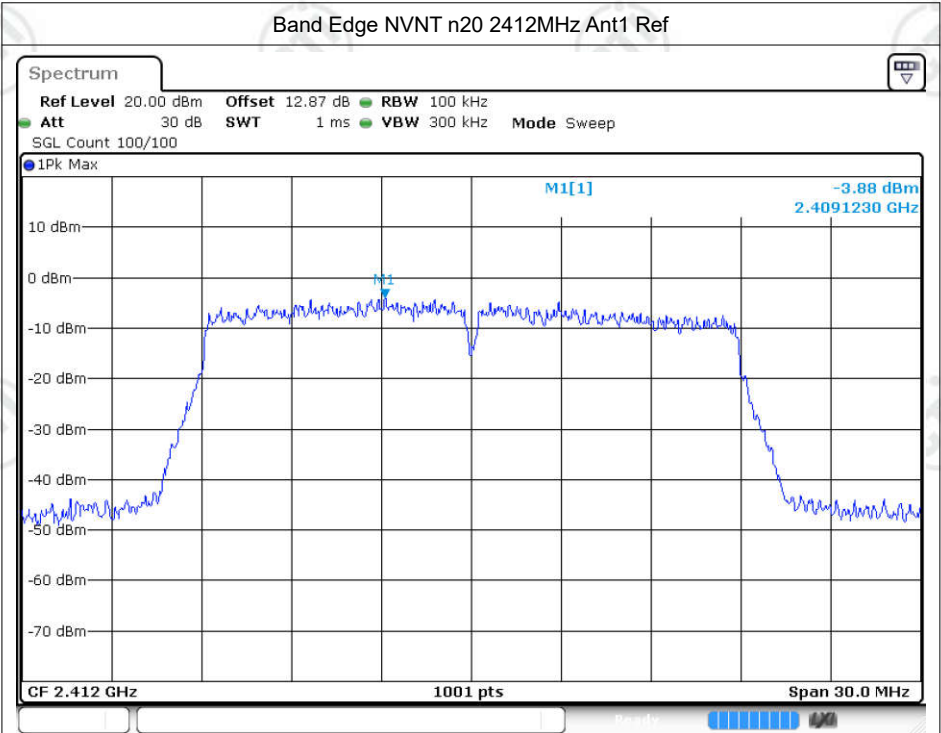
Date: 22.SEP.2022 11:21:55



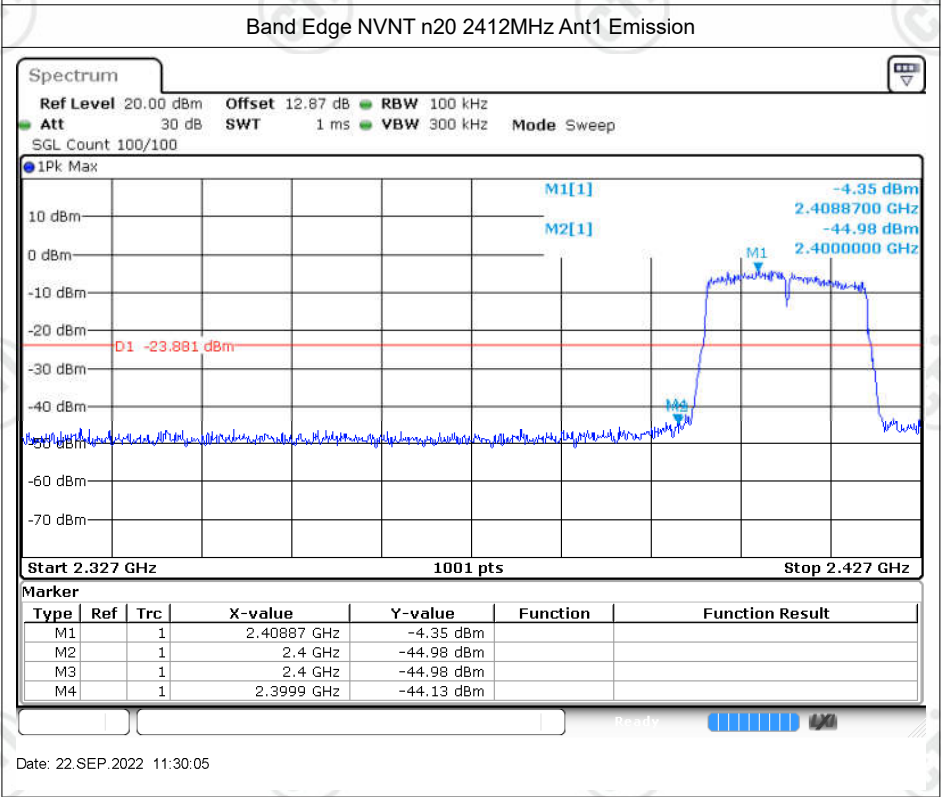
Date: 22.SEP.2022 11:27:15



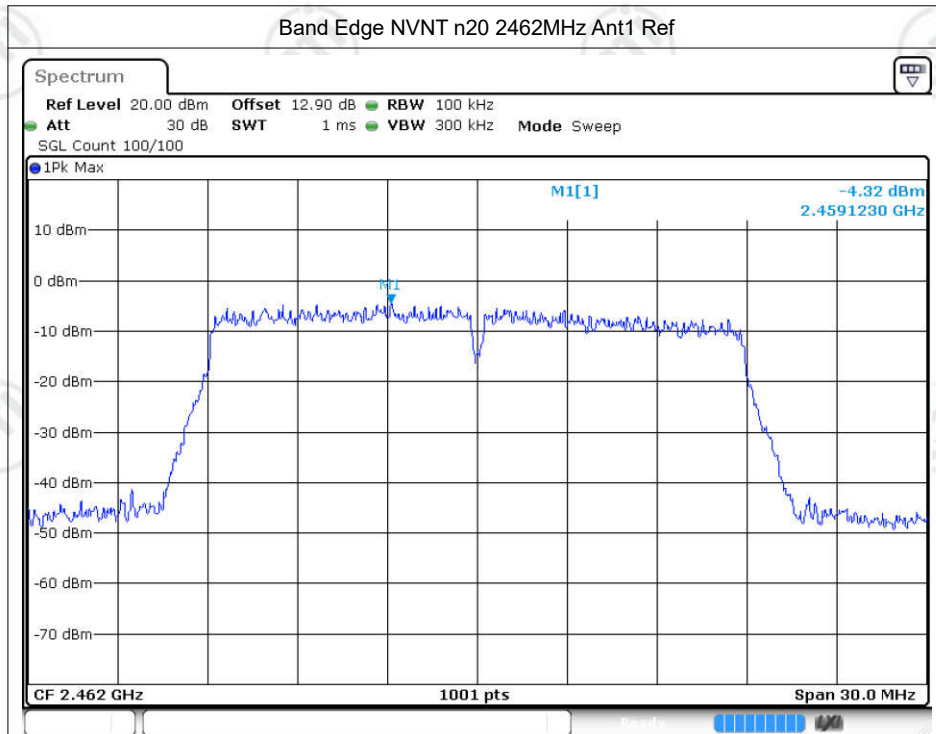
Date: 22.SEP.2022 11:27:16



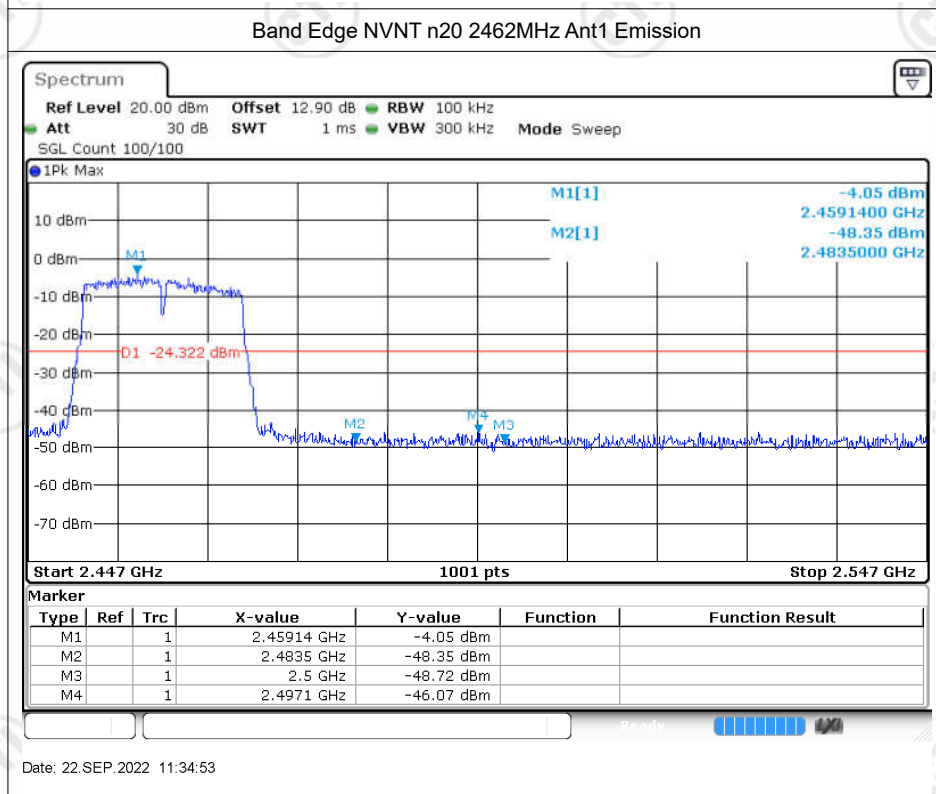
Date: 22.SEP.2022 11:30:03



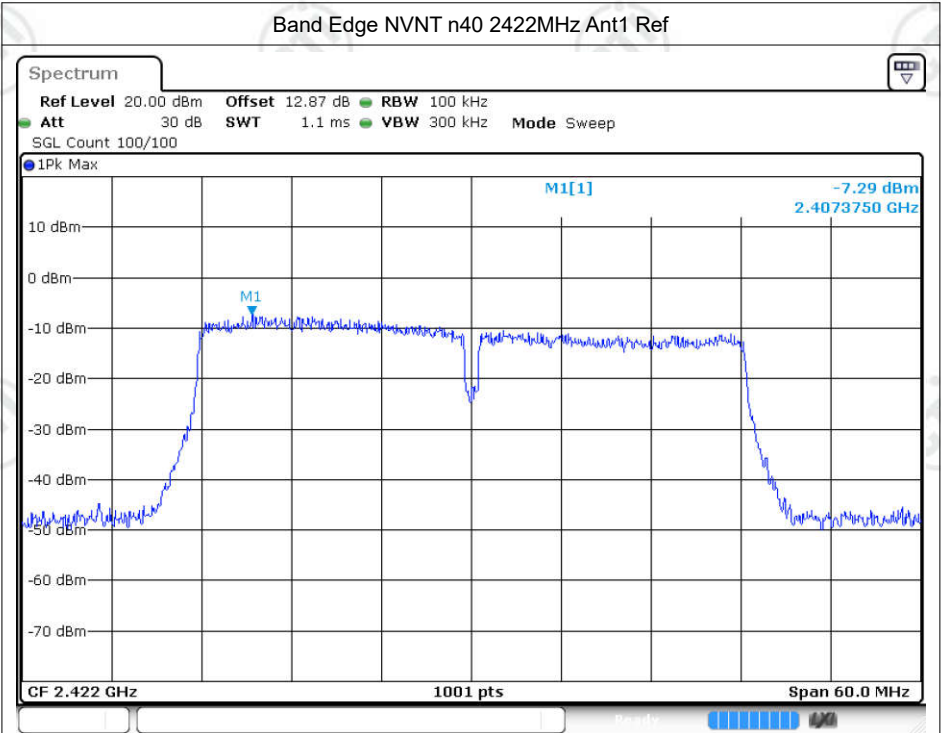
Date: 22.SEP.2022 11:30:05



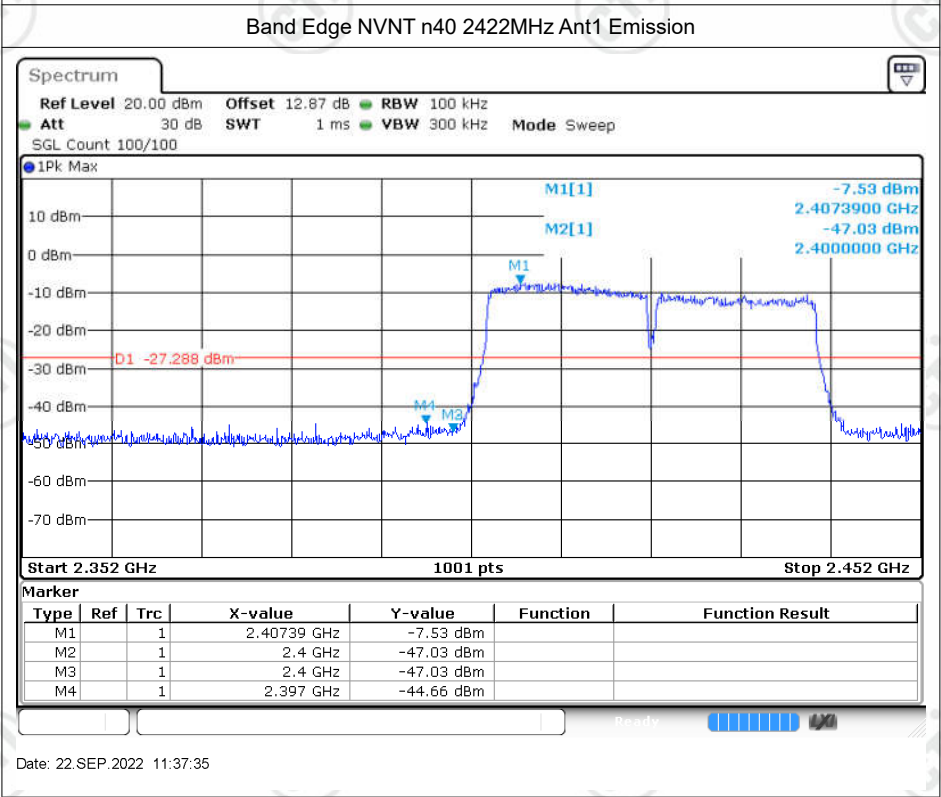
Date: 22.SEP.2022 11:34:52



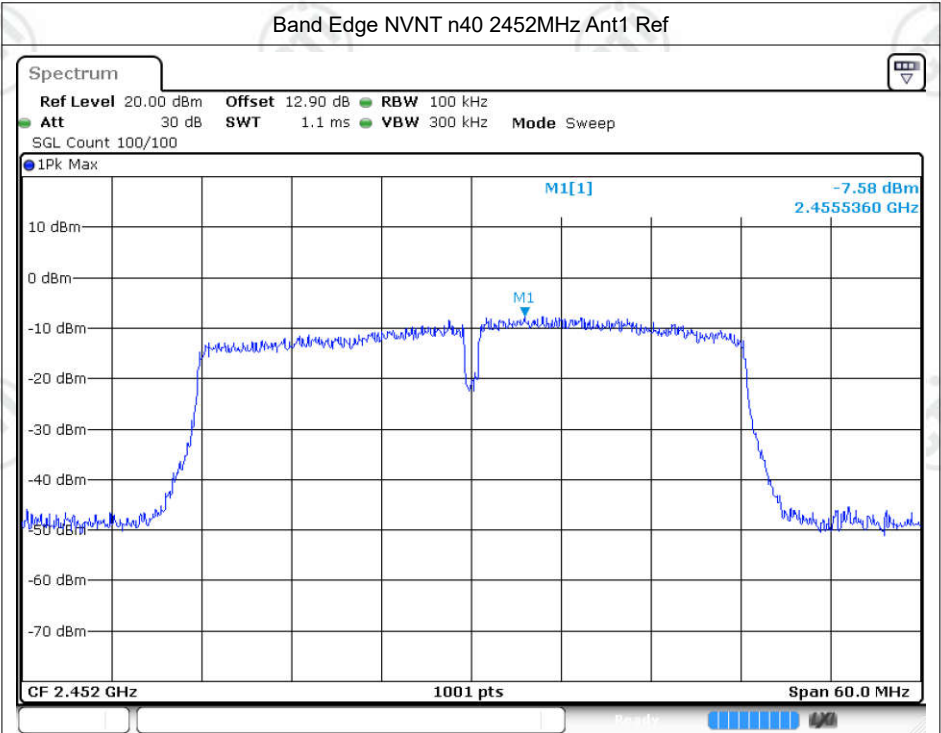
Date: 22.SEP.2022 11:34:53



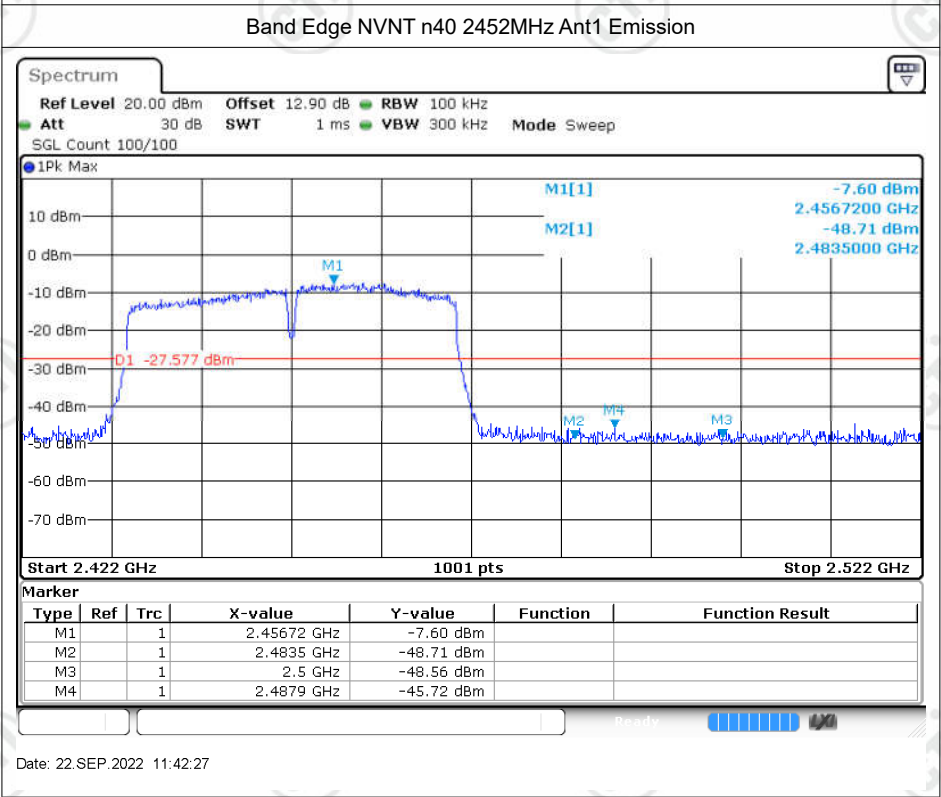
Date: 22.SEP.2022 11:37:33



Date: 22.SEP.2022 11:37:35



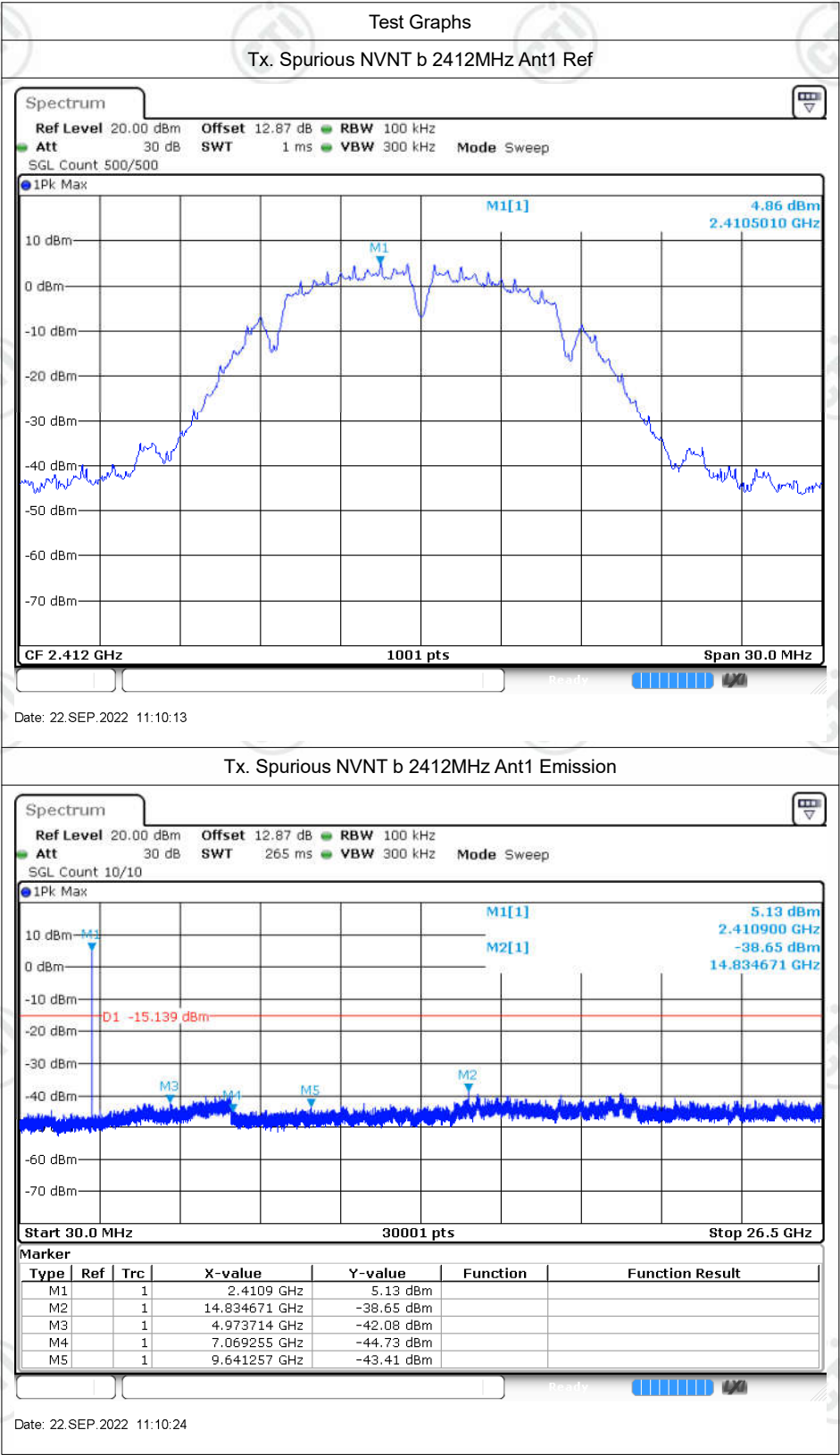
Date: 22.SEP.2022 11:42:25

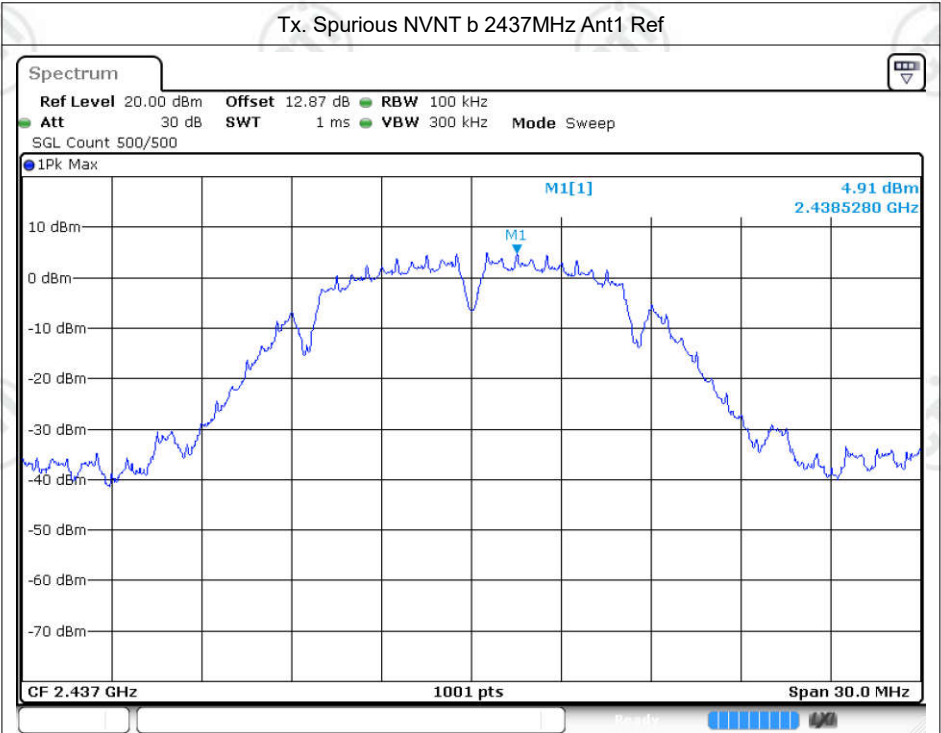


Date: 22.SEP.2022 11:42:27

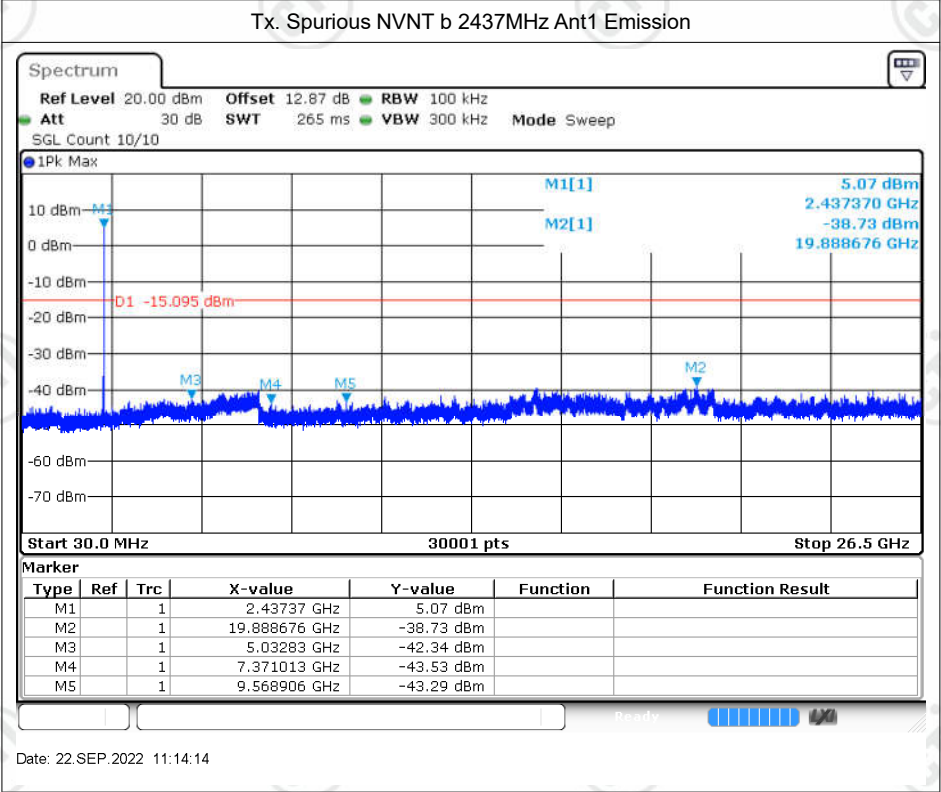
Conducted RF Spurious Emission

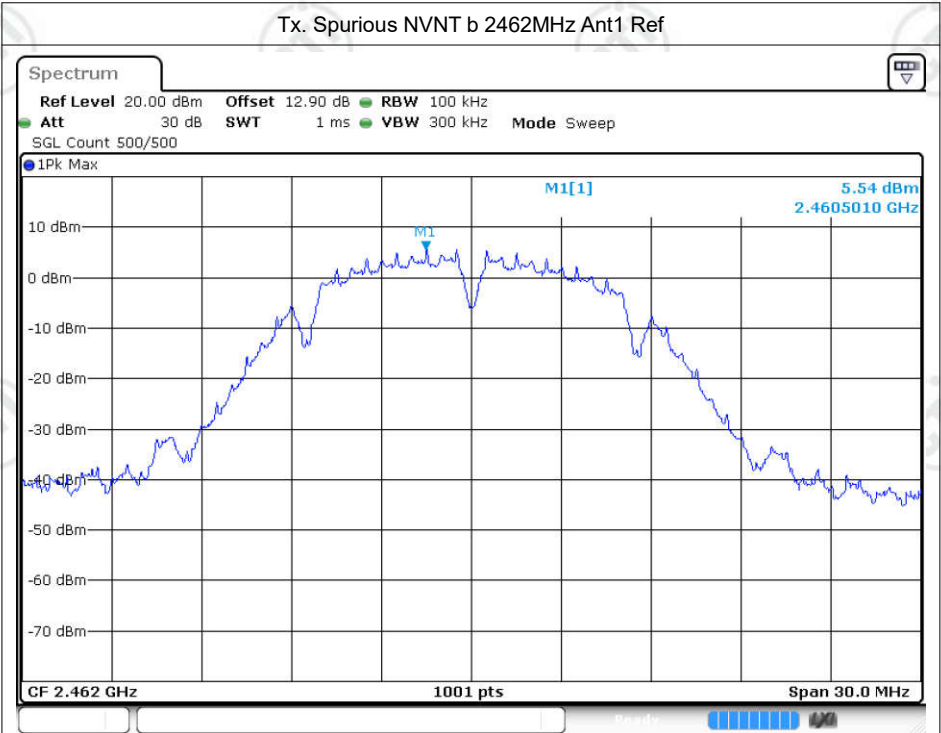
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-43.51	-20	Pass
NVNT	b	2437	Ant1	-43.63	-20	Pass
NVNT	b	2462	Ant1	-44.78	-20	Pass
NVNT	g	2412	Ant1	-34.78	-20	Pass
NVNT	g	2437	Ant1	-34.08	-20	Pass
NVNT	g	2462	Ant1	-34.54	-20	Pass
NVNT	n20	2412	Ant1	-35.32	-20	Pass
NVNT	n20	2437	Ant1	-33.84	-20	Pass
NVNT	n20	2462	Ant1	-34.8	-20	Pass
NVNT	n40	2422	Ant1	-31.94	-20	Pass
NVNT	n40	2437	Ant1	-31.9	-20	Pass
NVNT	n40	2452	Ant1	-30.57	-20	Pass



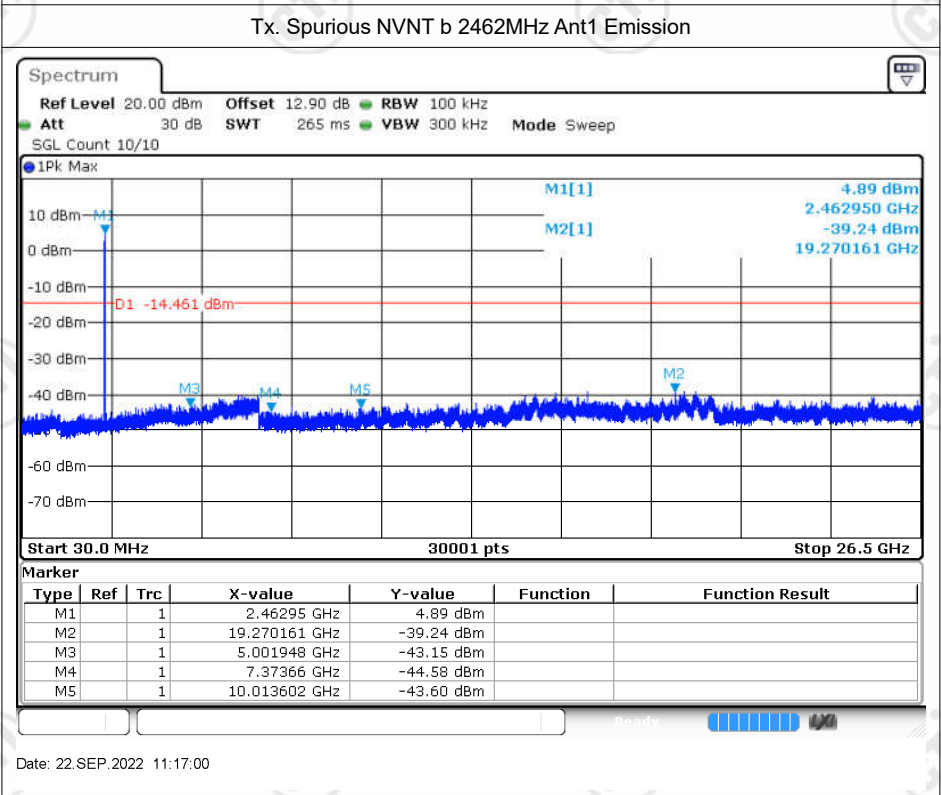


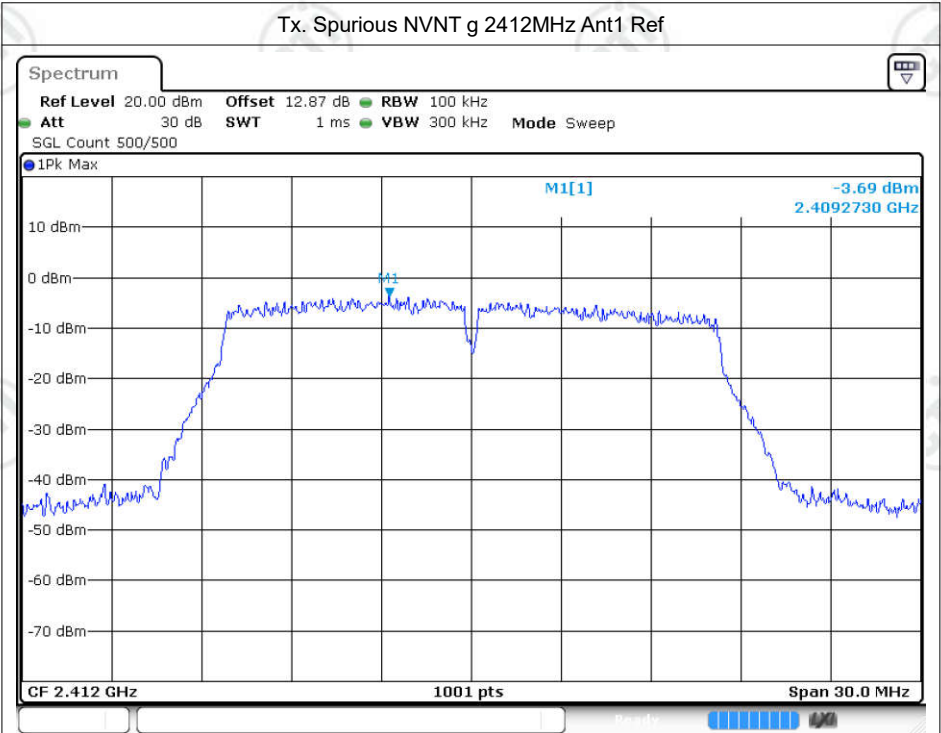
Date: 22.SEP.2022 11:14:04



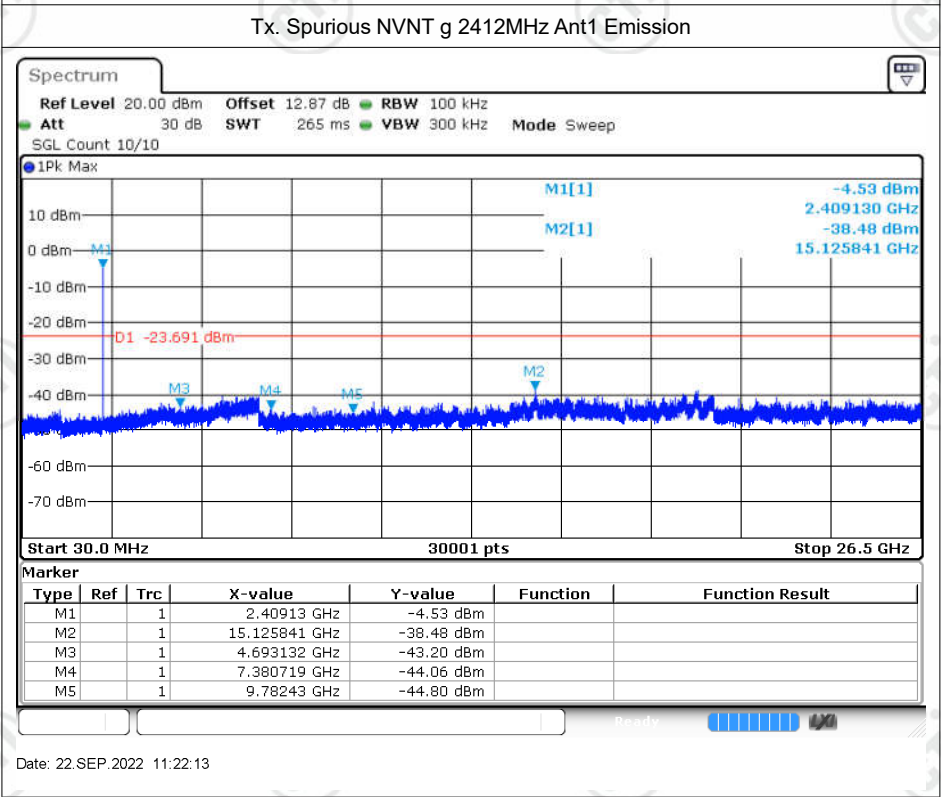


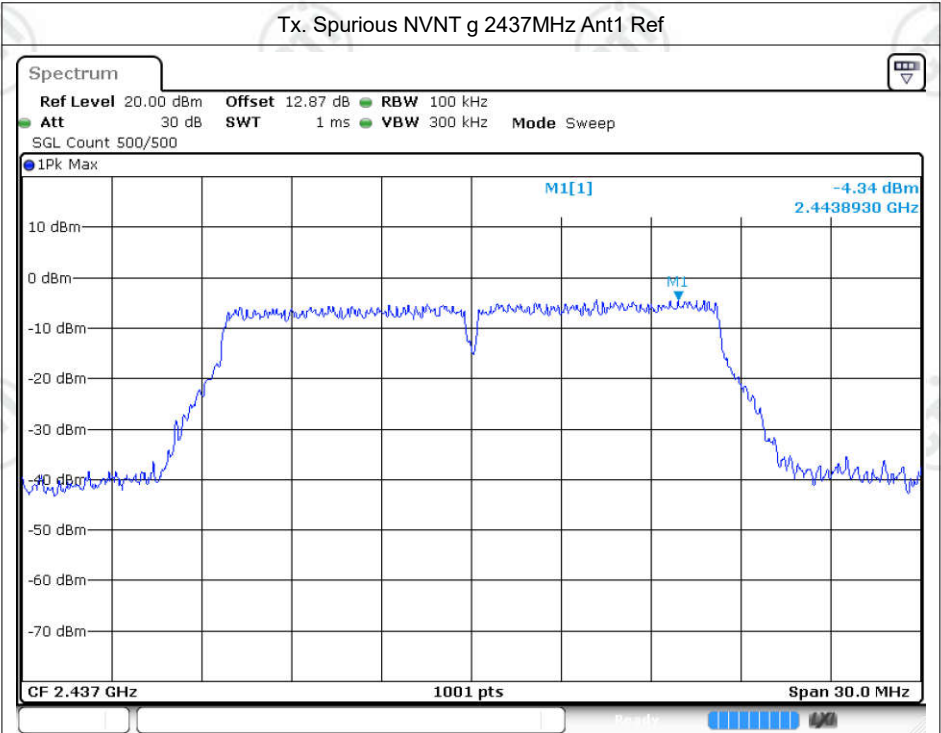
Date: 22.SEP.2022 11:16:50



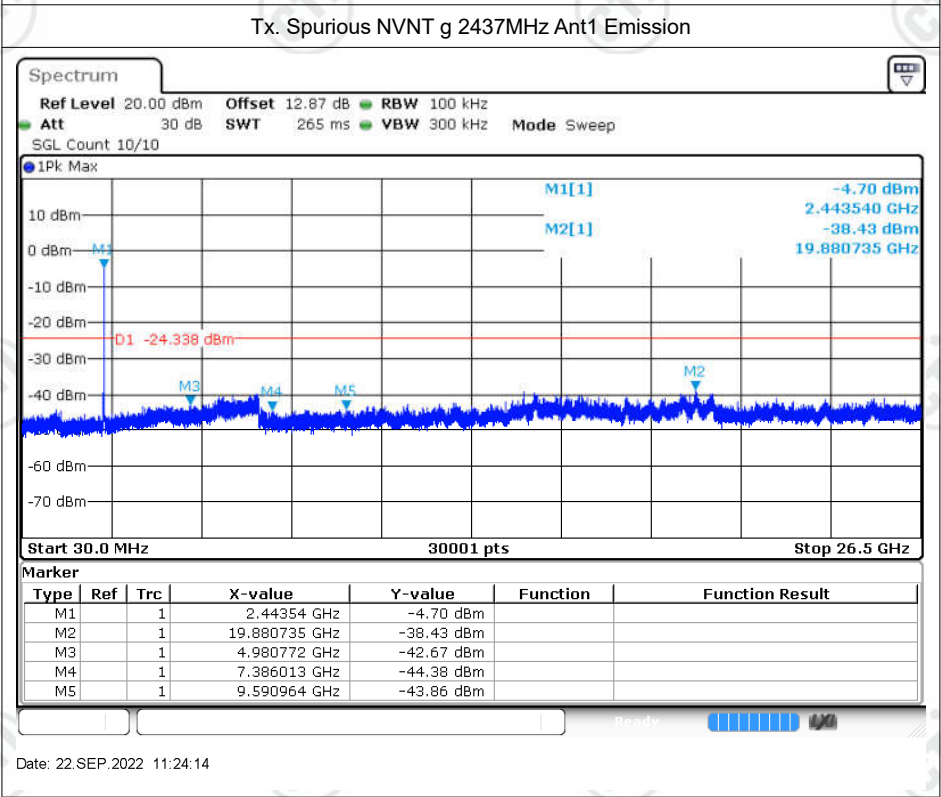


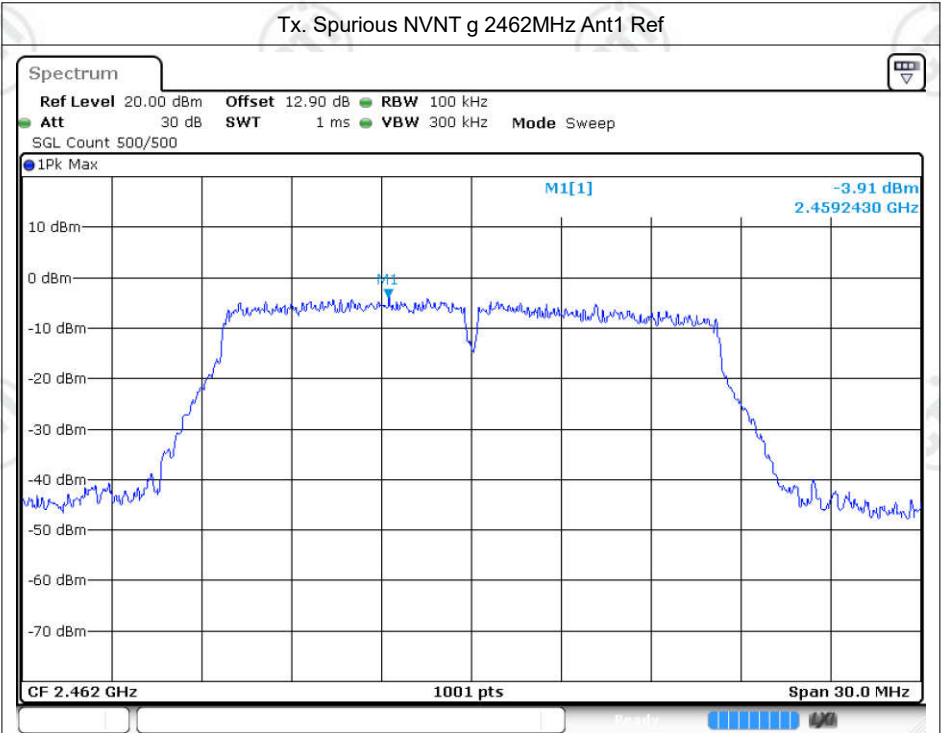
Date: 22.SEP.2022 11:22:02



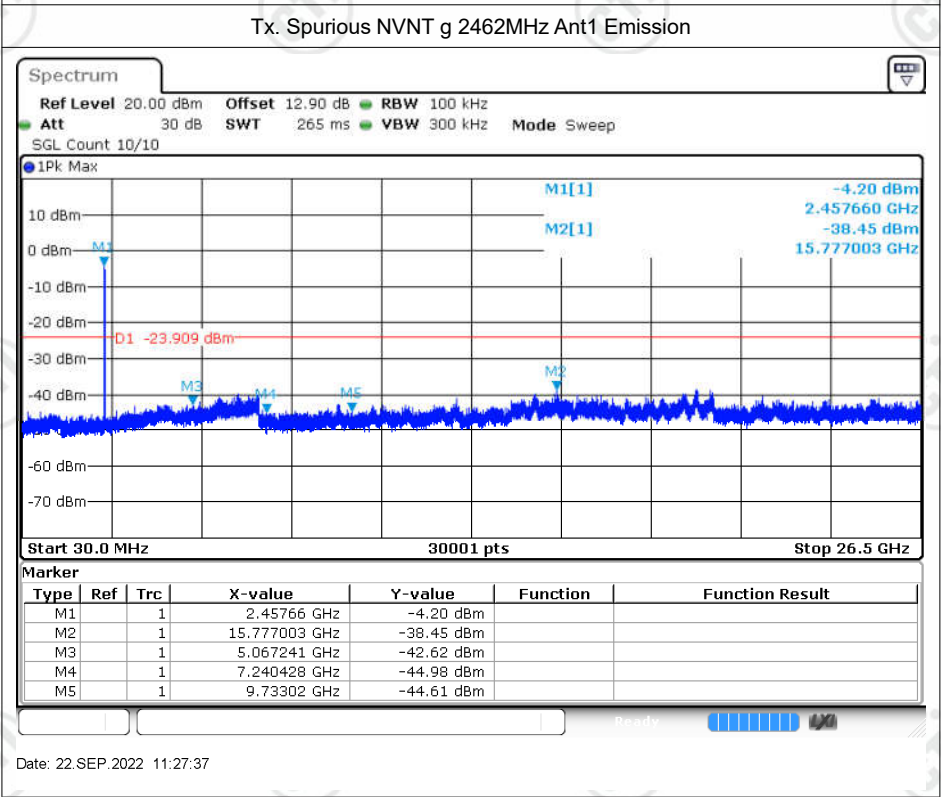


Date: 22.SEP.2022 11:24:03

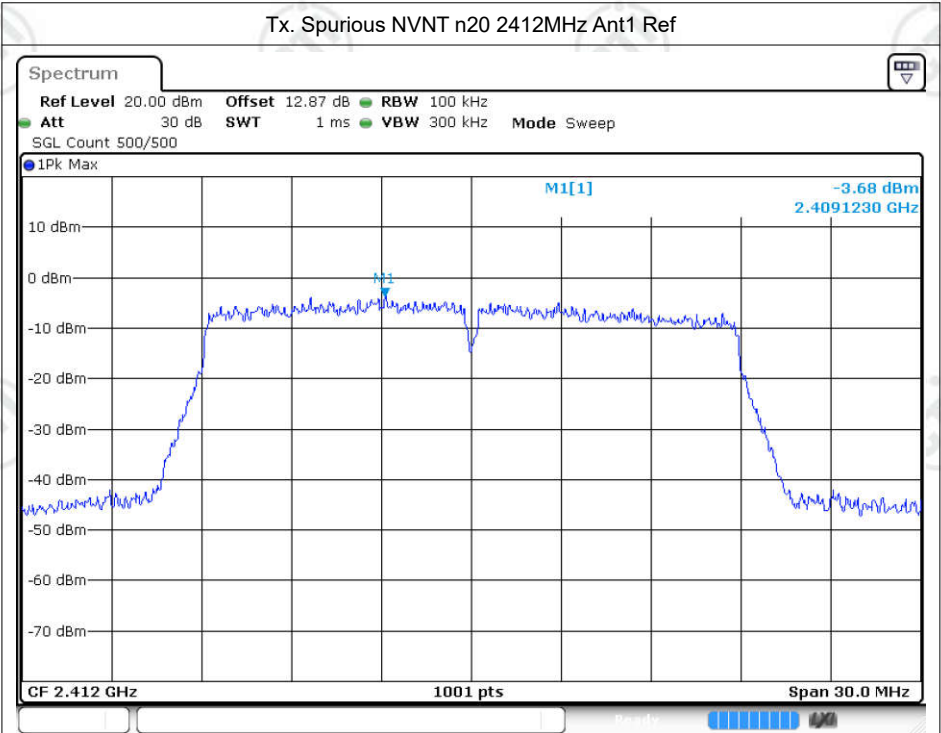




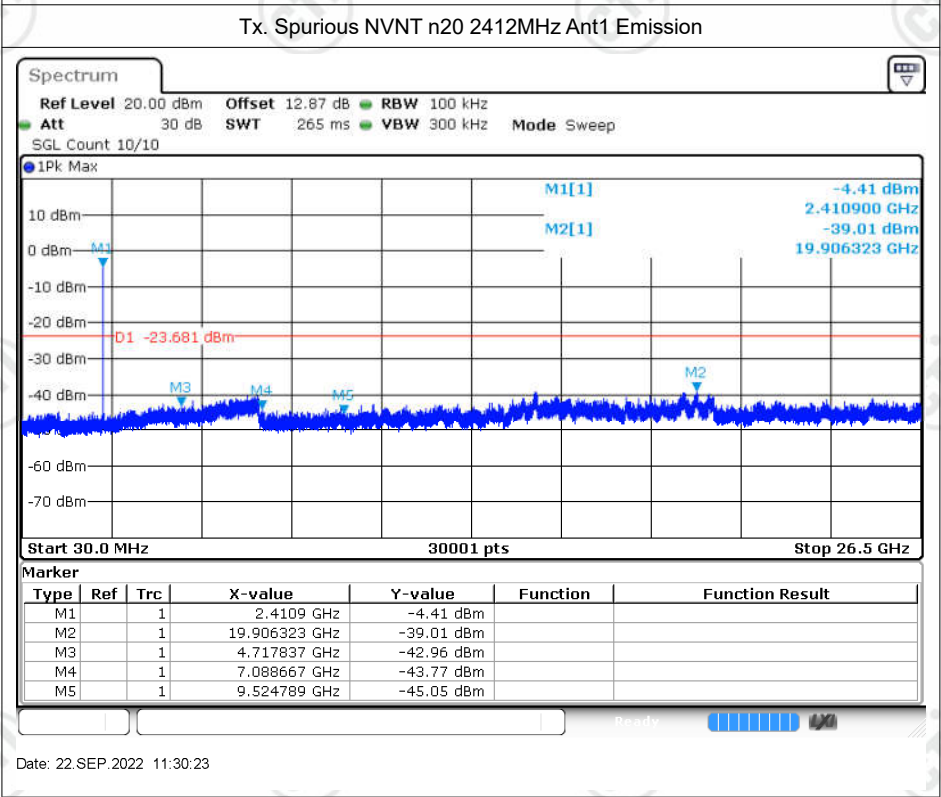
Date: 22.SEP.2022 11:27:26

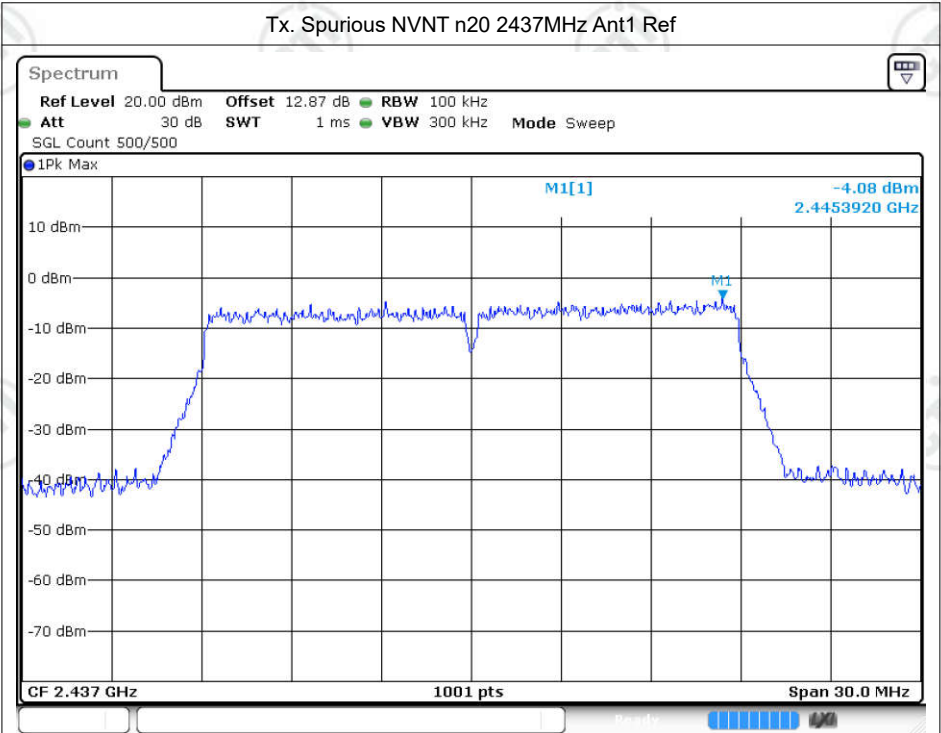


Date: 22.SEP.2022 11:27:37

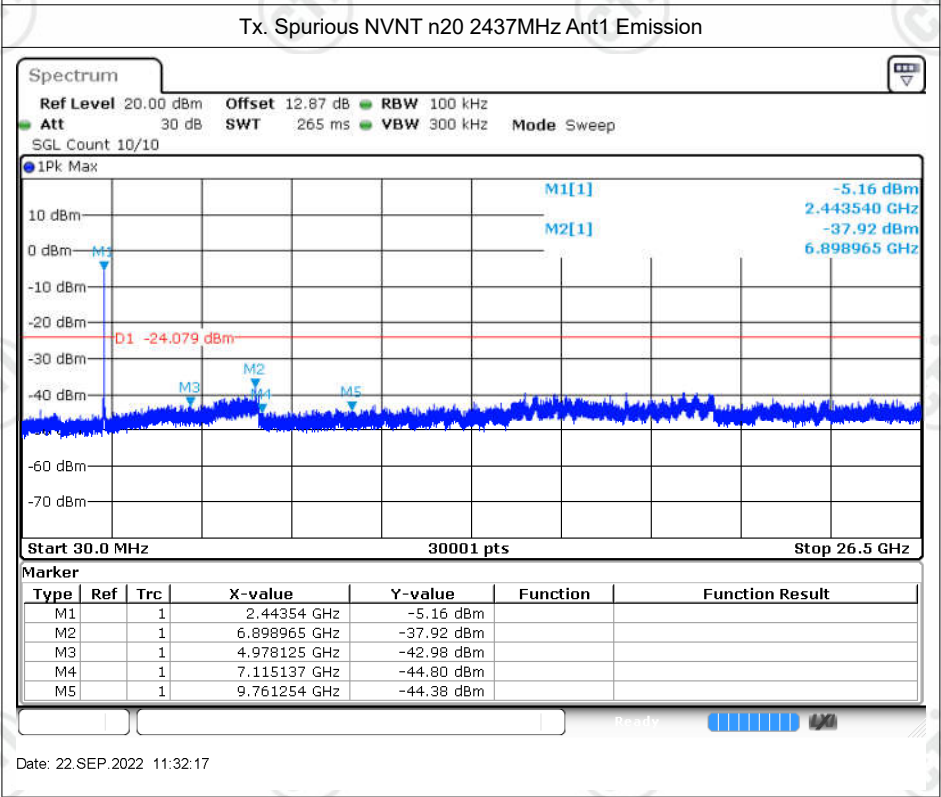


Date: 22.SEP.2022 11:30:12

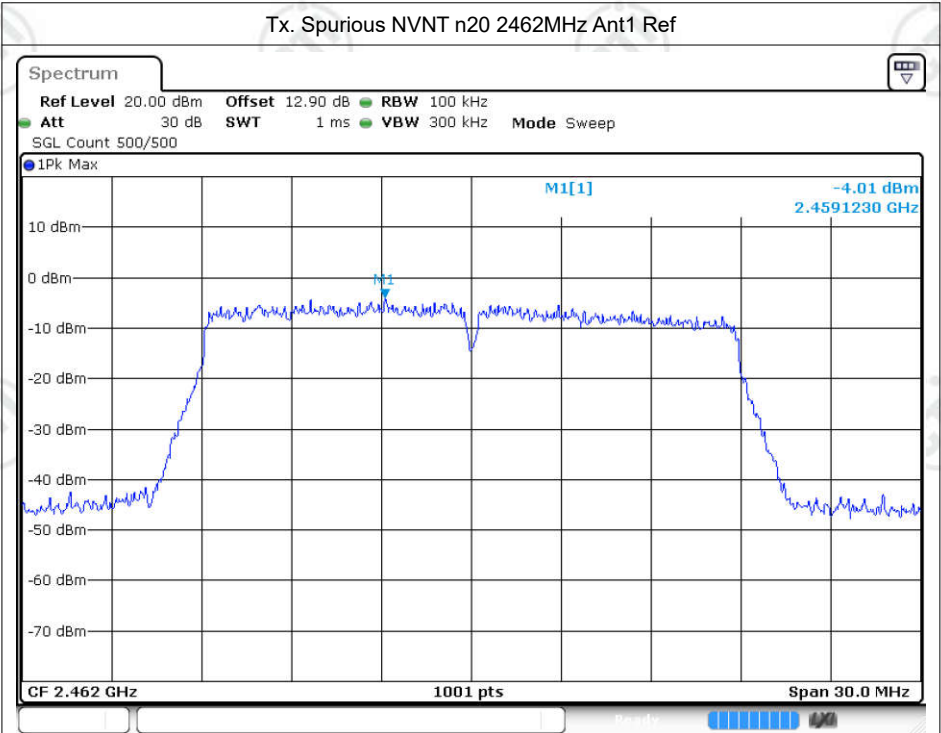




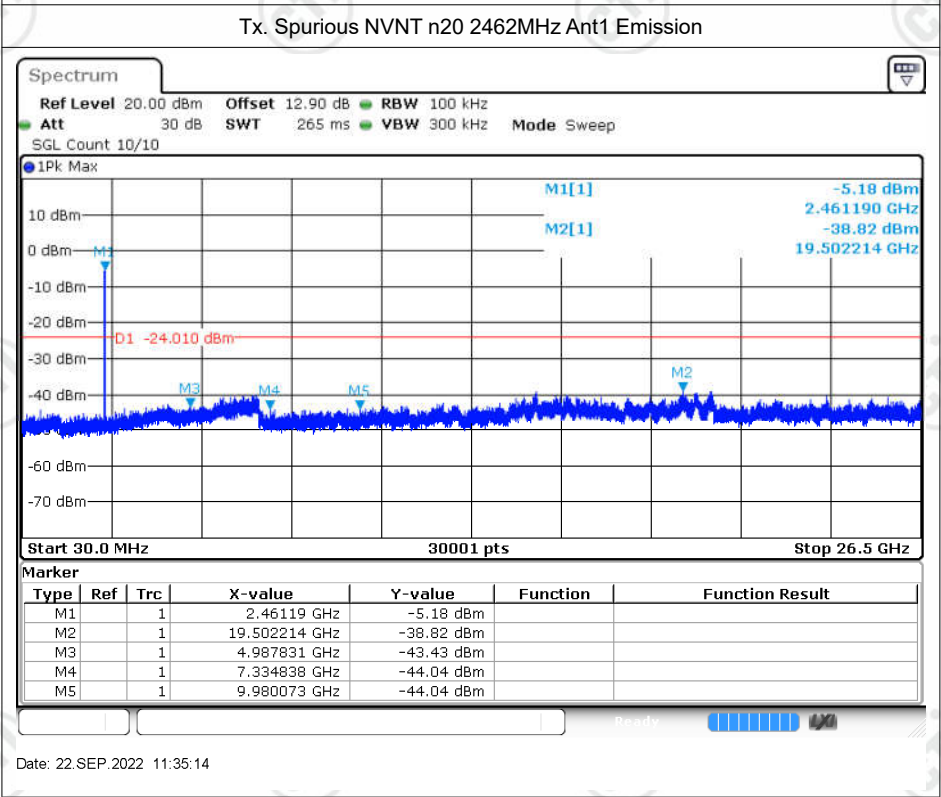
Date: 22.SEP.2022 11:32:07



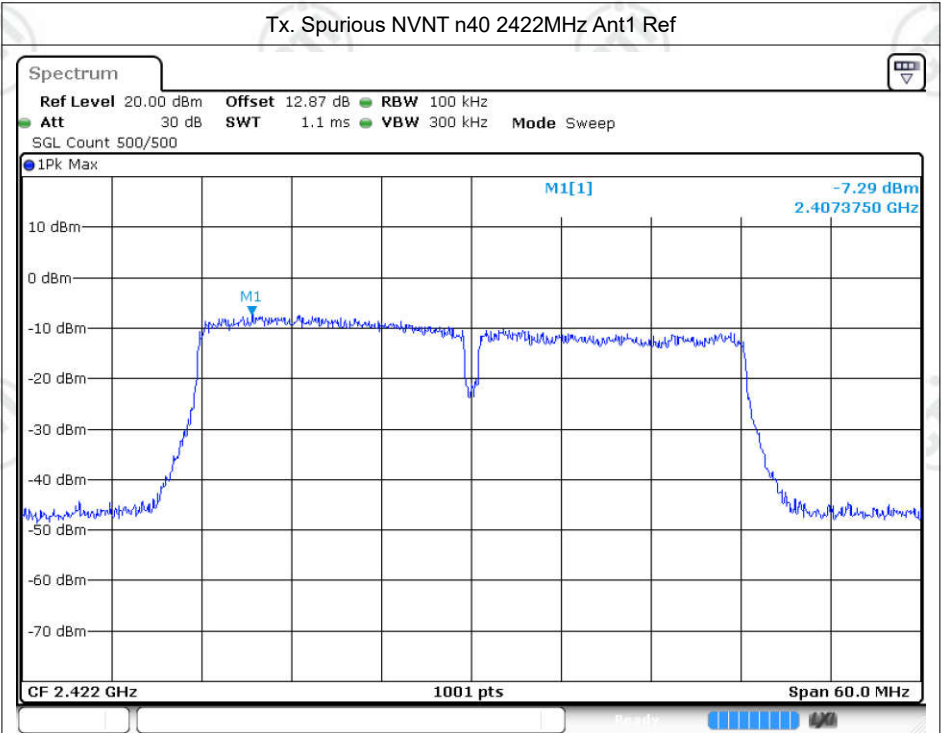
Date: 22.SEP.2022 11:32:17



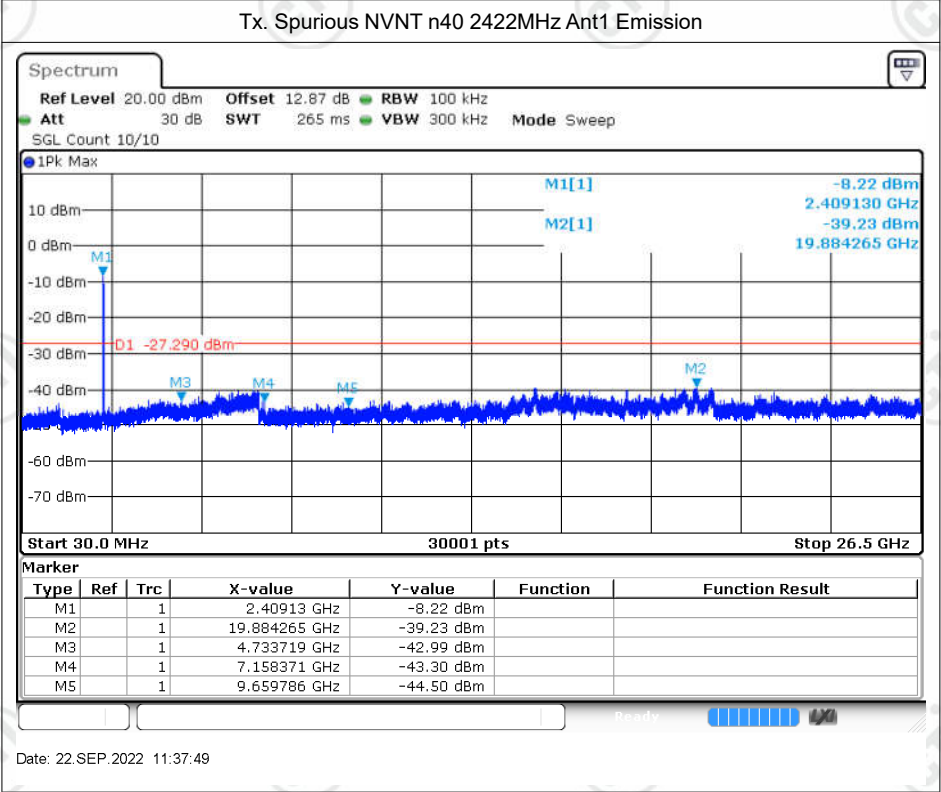
Date: 22.SEP.2022 11:35:03



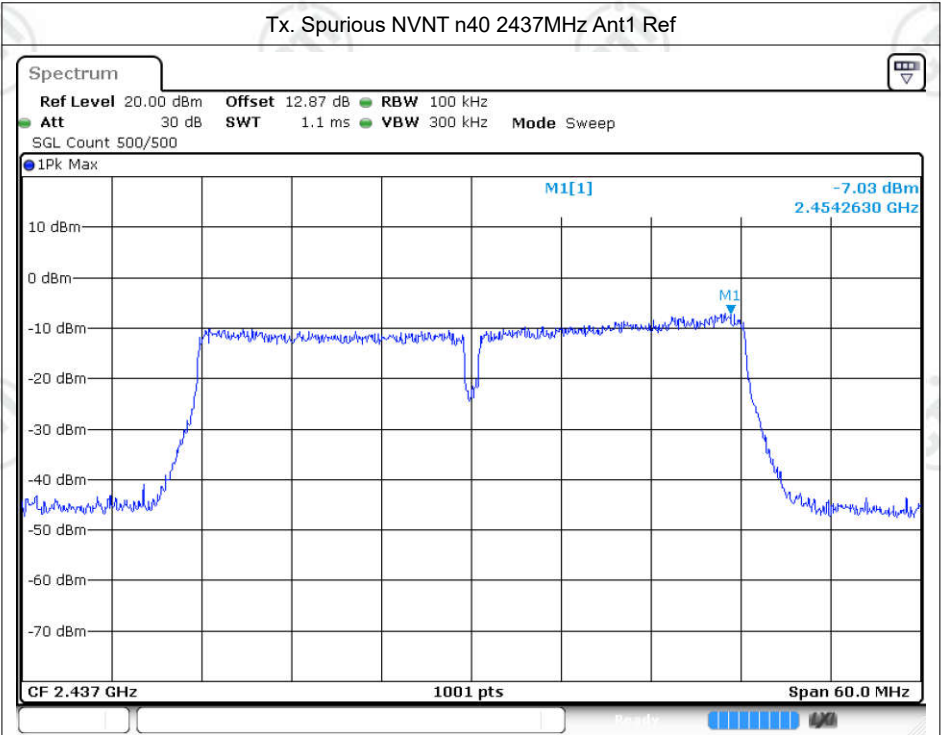
Date: 22.SEP.2022 11:35:14



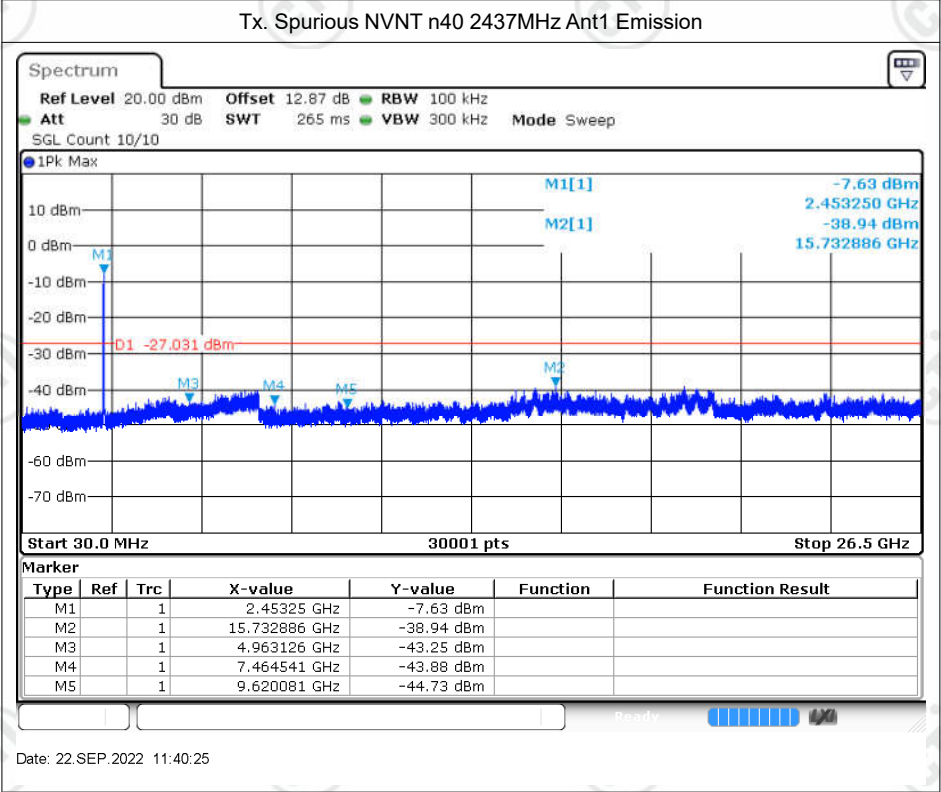
Date: 22.SEP.2022 11:37:39



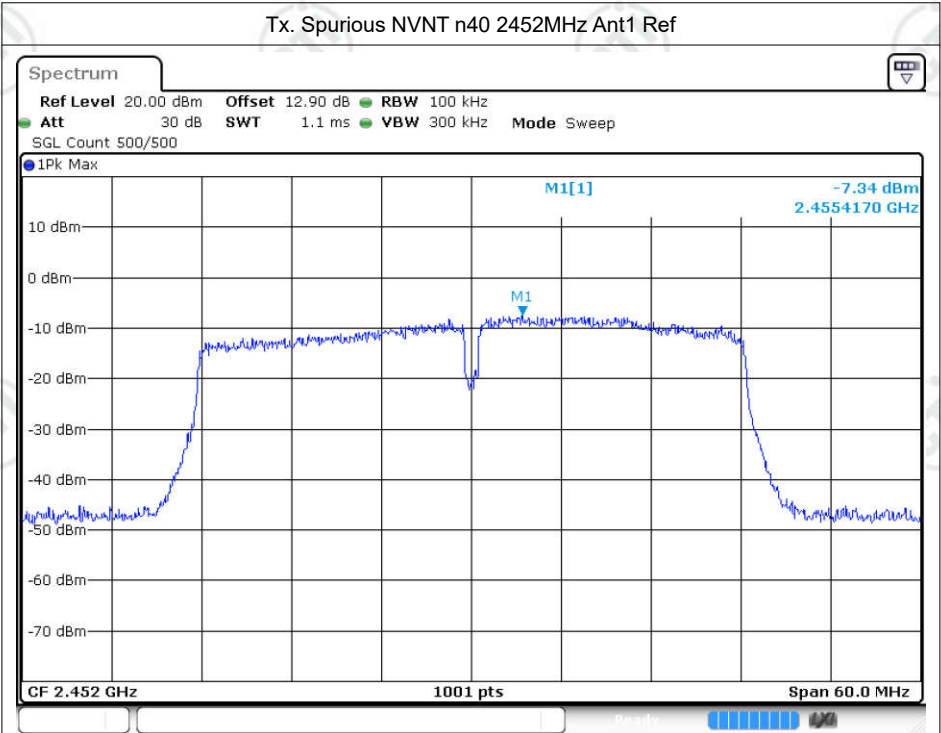
Date: 22.SEP.2022 11:37:49



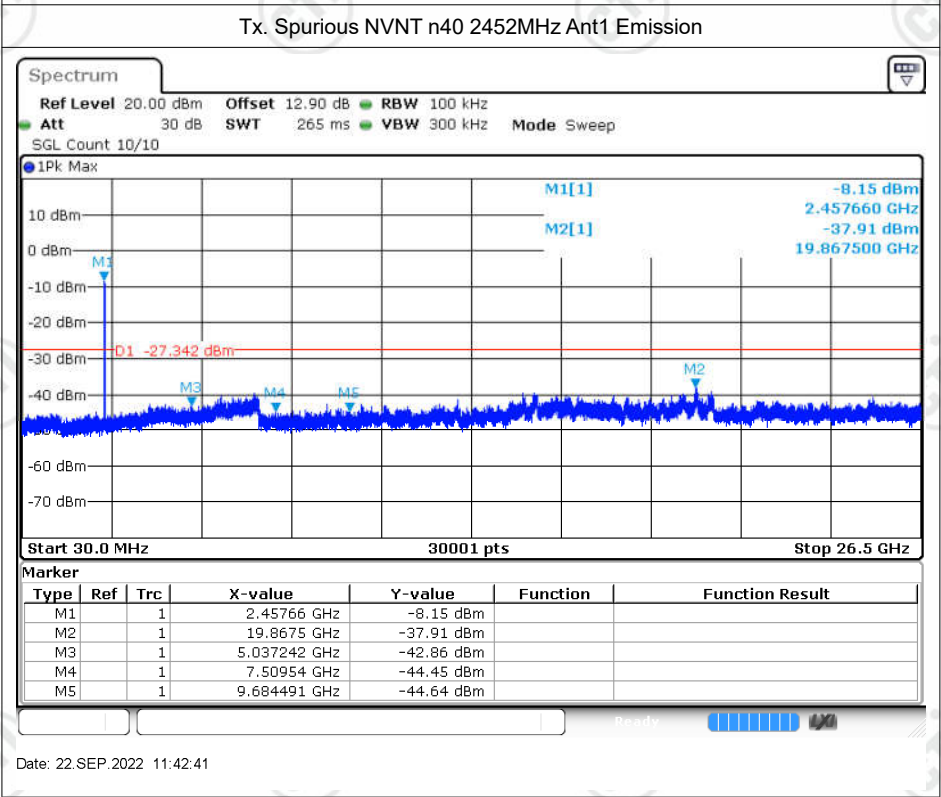
Date: 22.SEP.2022 11:40:14



Date: 22.SEP.2022 11:40:25



Date: 22.SEP.2022 11:42:31



*** End of Report ***