

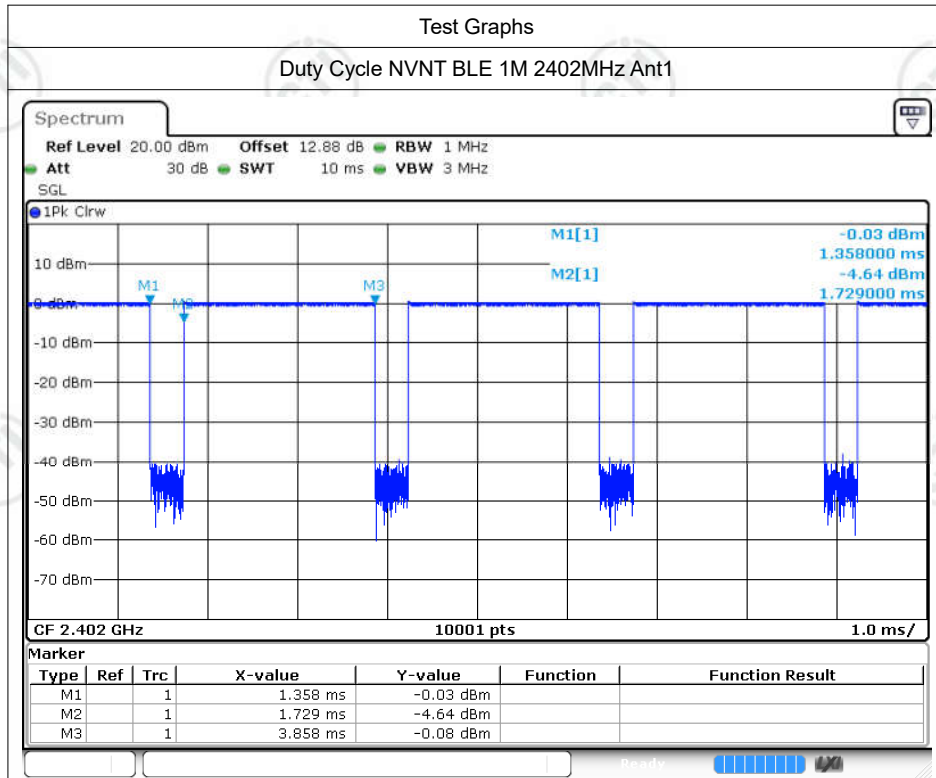
Appendix: Bluetooth LE

Contents

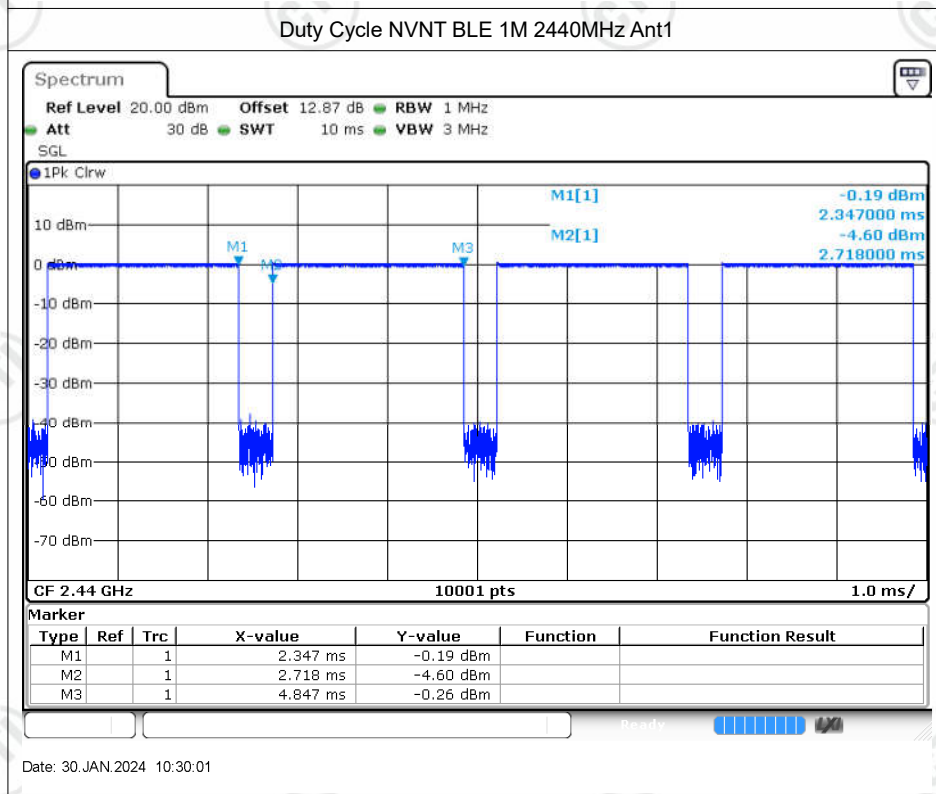
Contents	2
Duty Cycle	3
Maximum Peak Conducted Output Power	7
-6dB Bandwidth	11
Occupied Channel Bandwidth	15
Maximum Power Spectral Density Level	19
Band Edge	23
Conducted RF Spurious Emission	28

Duty Cycle

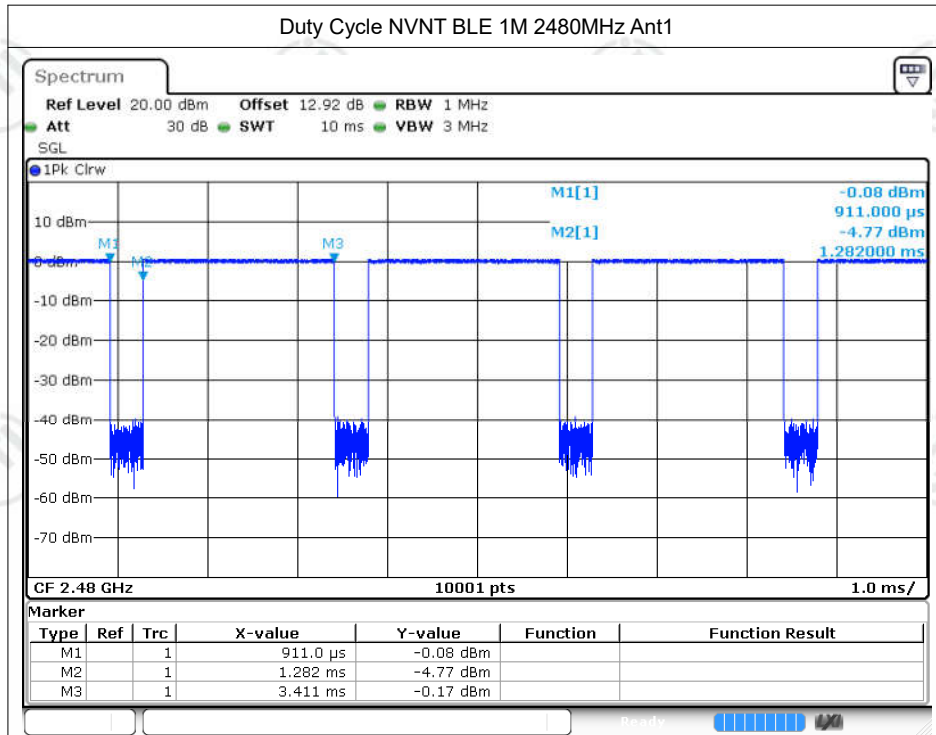
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	85.16	0.70	0.47
NVNT	BLE 1M	2440	Ant1	85.16	0.70	0.47
NVNT	BLE 1M	2480	Ant1	85.16	0.70	0.47
NVNT	BLE 2M	2402	Ant1	57.17	2.43	0.93
NVNT	BLE 2M	2440	Ant1	57.12	2.43	0.93
NVNT	BLE 2M	2480	Ant1	57.12	2.43	0.93



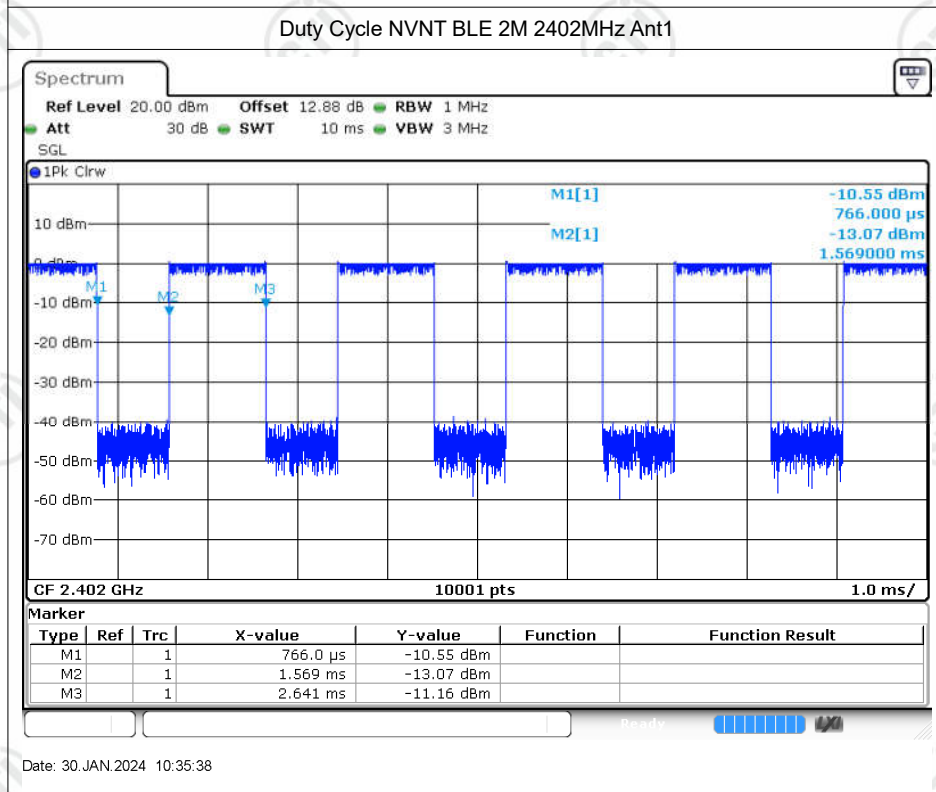
Date: 30.JAN.2024 10:26:02



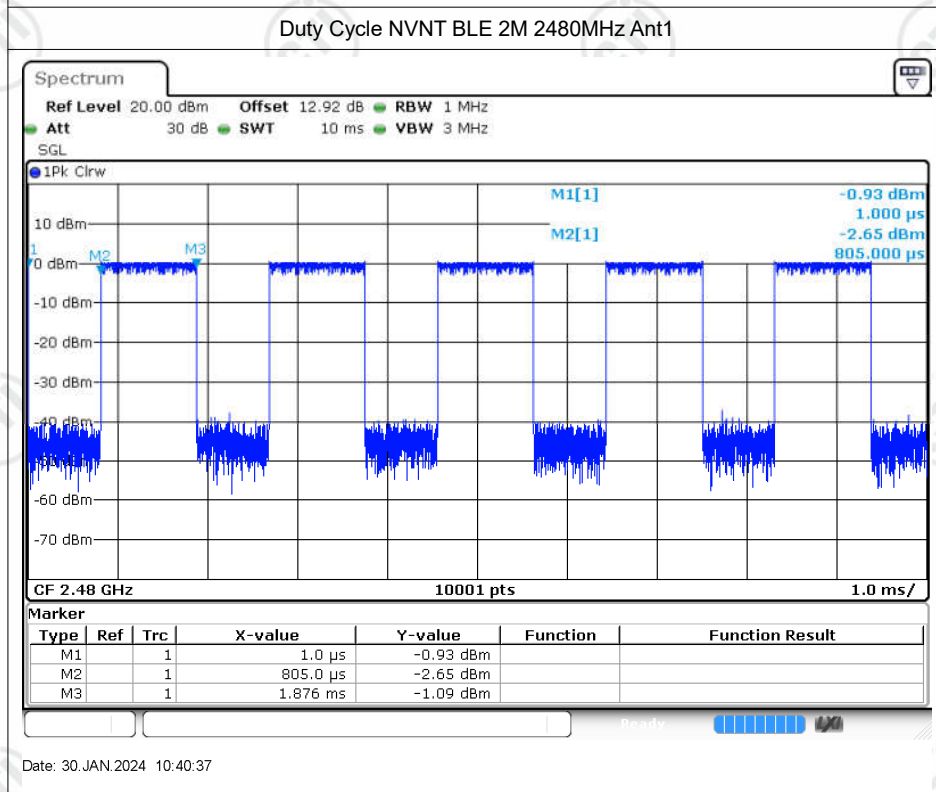
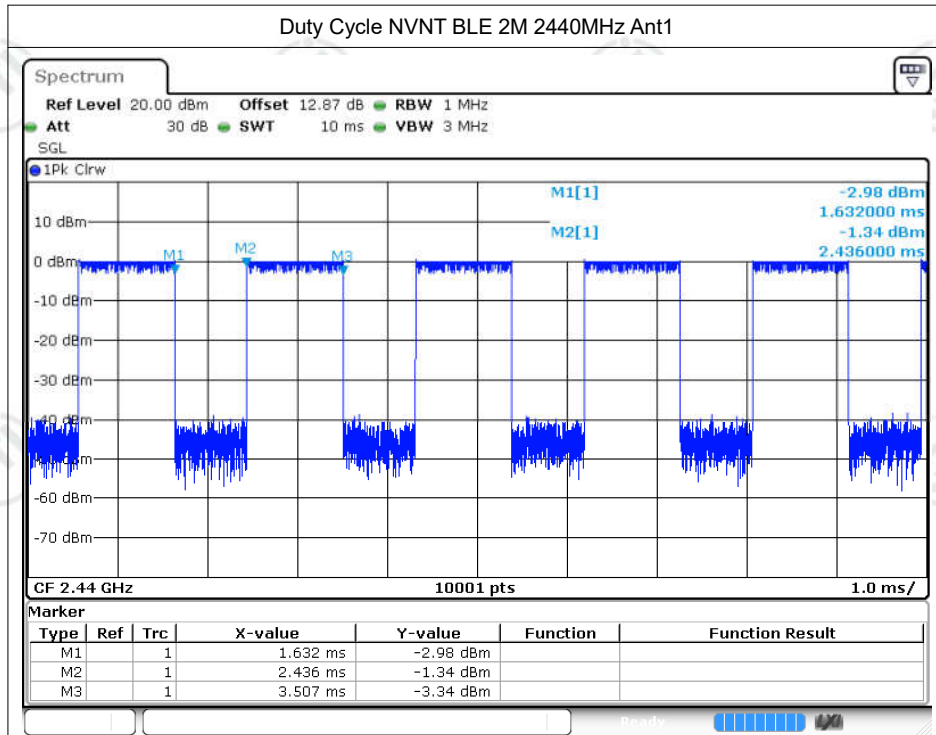
Date: 30.JAN.2024 10:30:01



Date: 30.JAN.2024 10:31:40

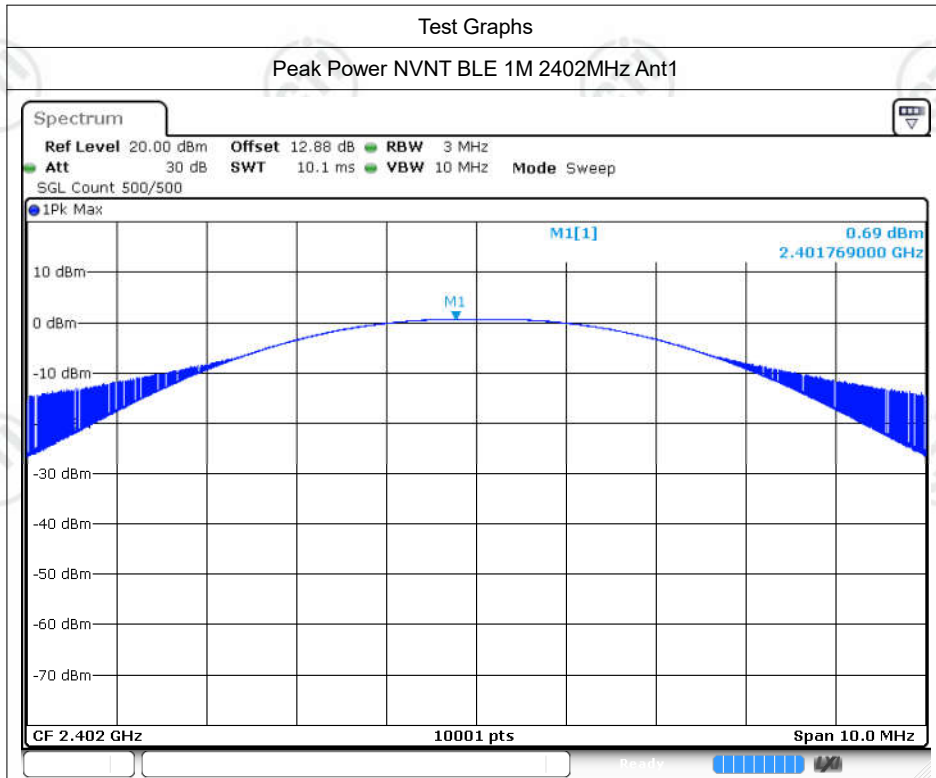


Date: 30.JAN.2024 10:35:38

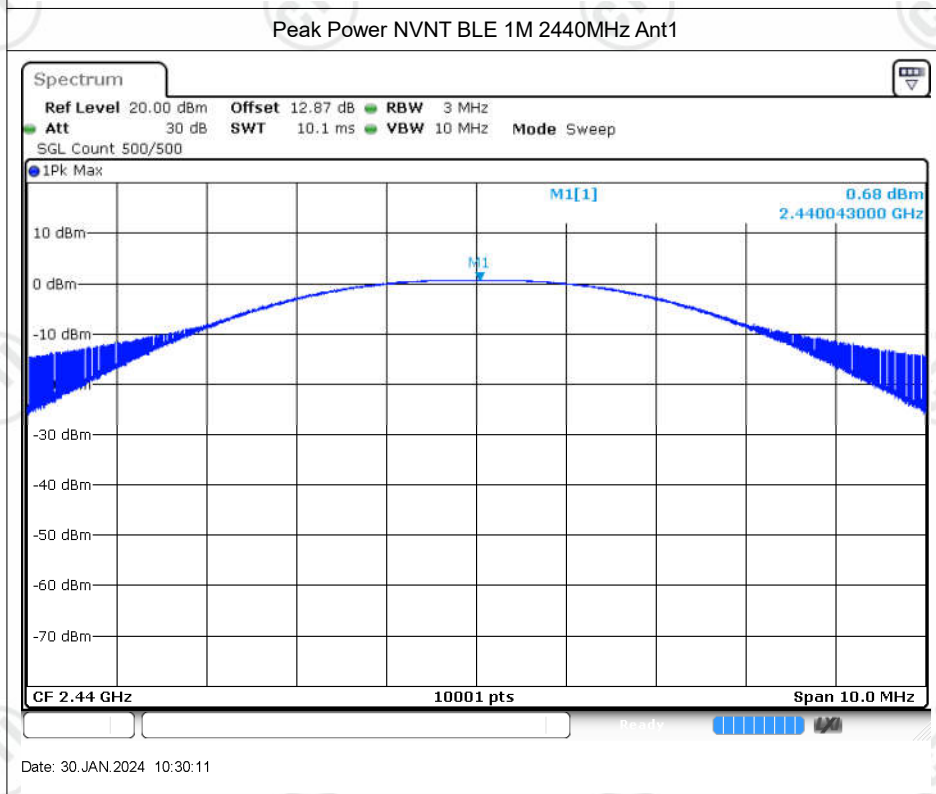


Maximum Peak Conducted Output Power

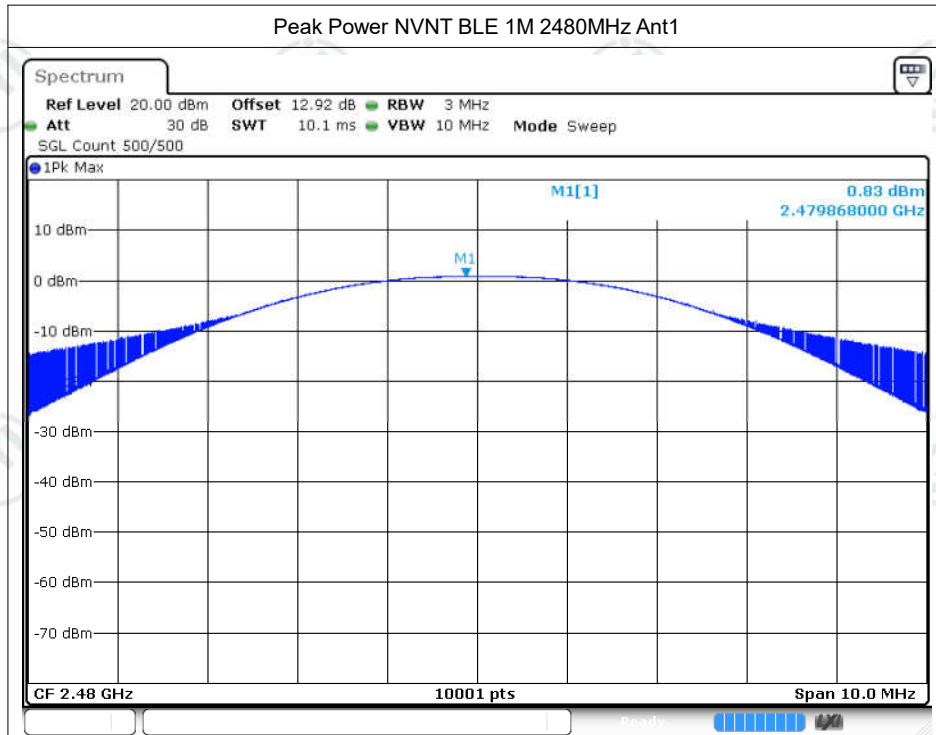
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.69	30	Pass
NVNT	BLE 1M	2440	Ant1	0.68	30	Pass
NVNT	BLE 1M	2480	Ant1	0.83	30	Pass
NVNT	BLE 2M	2402	Ant1	0.70	30	Pass
NVNT	BLE 2M	2440	Ant1	0.68	30	Pass
NVNT	BLE 2M	2480	Ant1	0.83	30	Pass



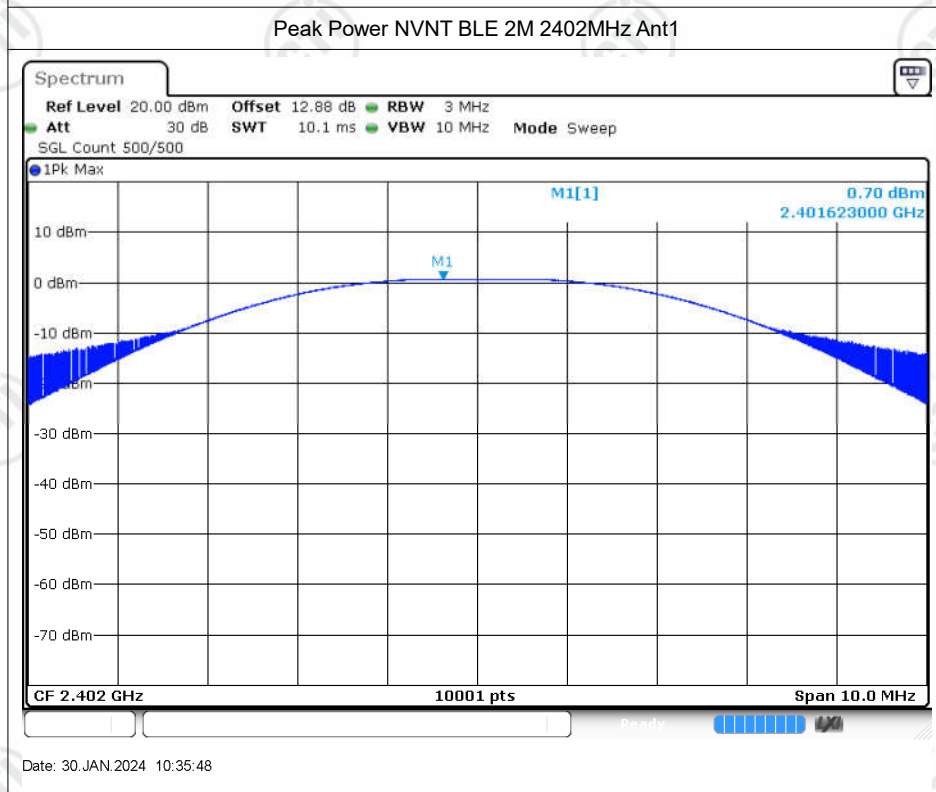
Date: 30.JAN.2024 10:26:17



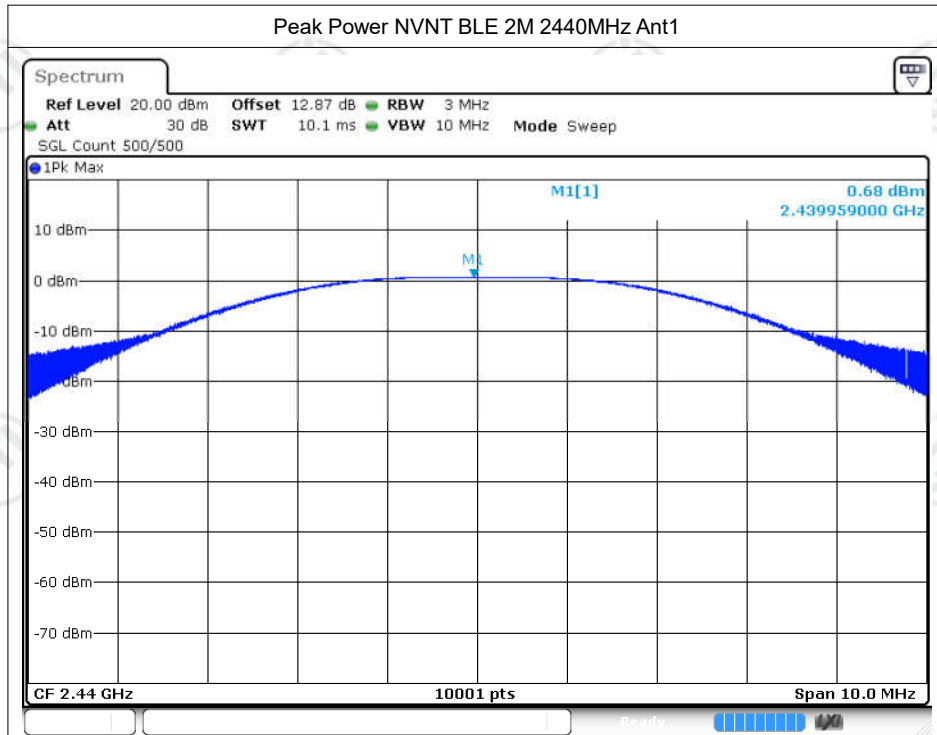
Date: 30.JAN.2024 10:30:11



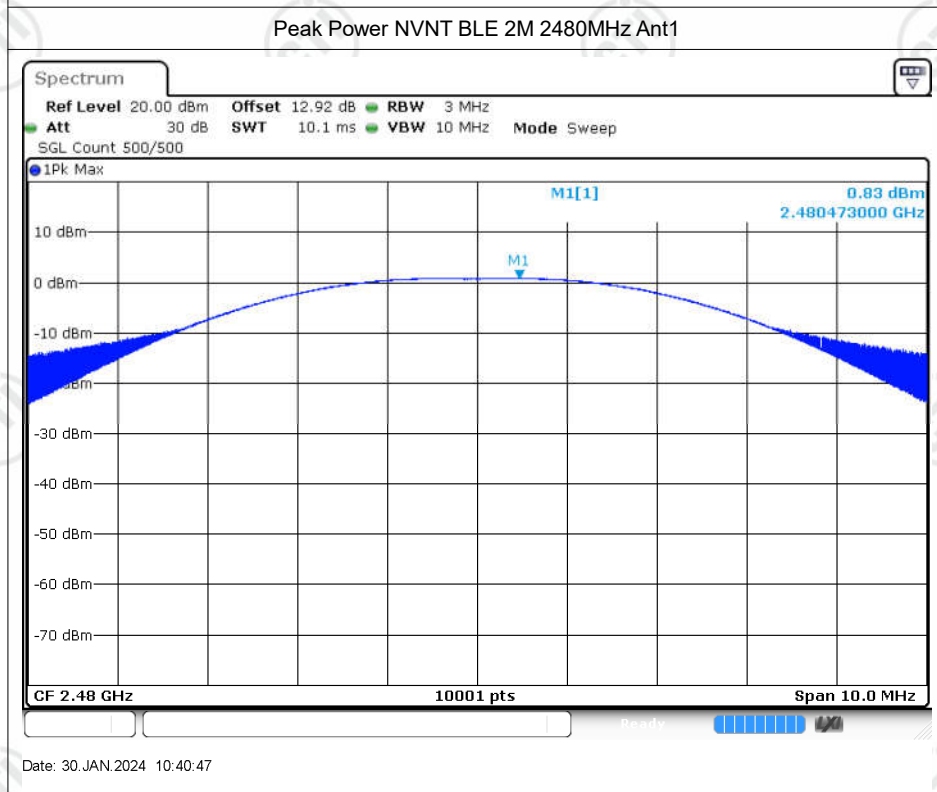
Date: 30. JAN.2024 10:31:50



Date: 30. JAN.2024 10:35:48



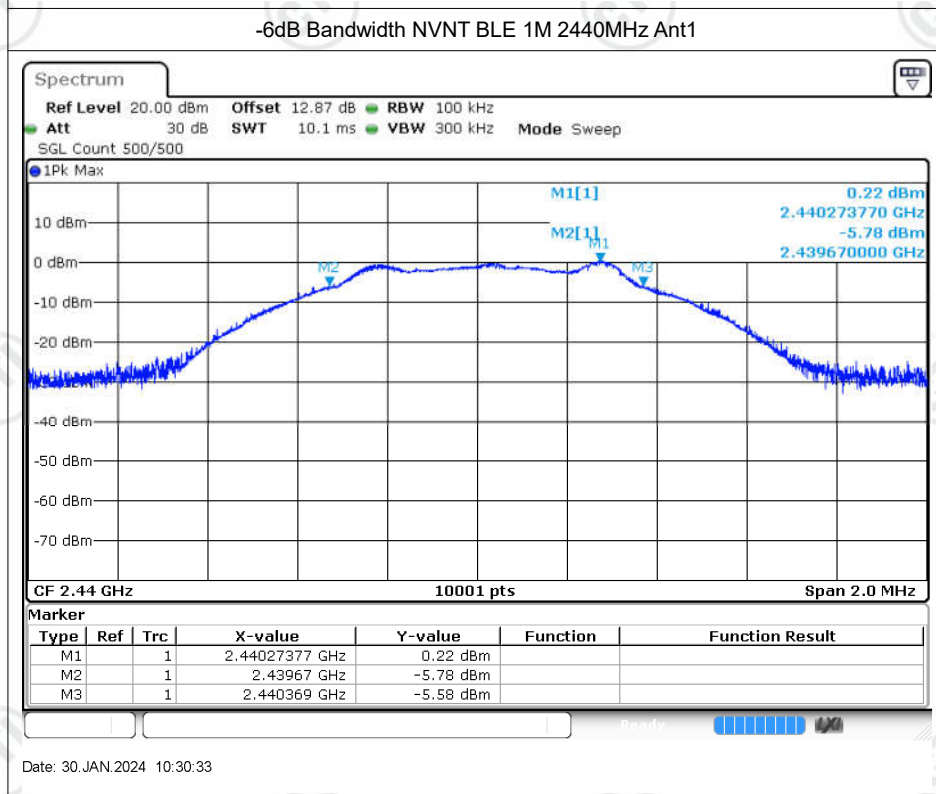
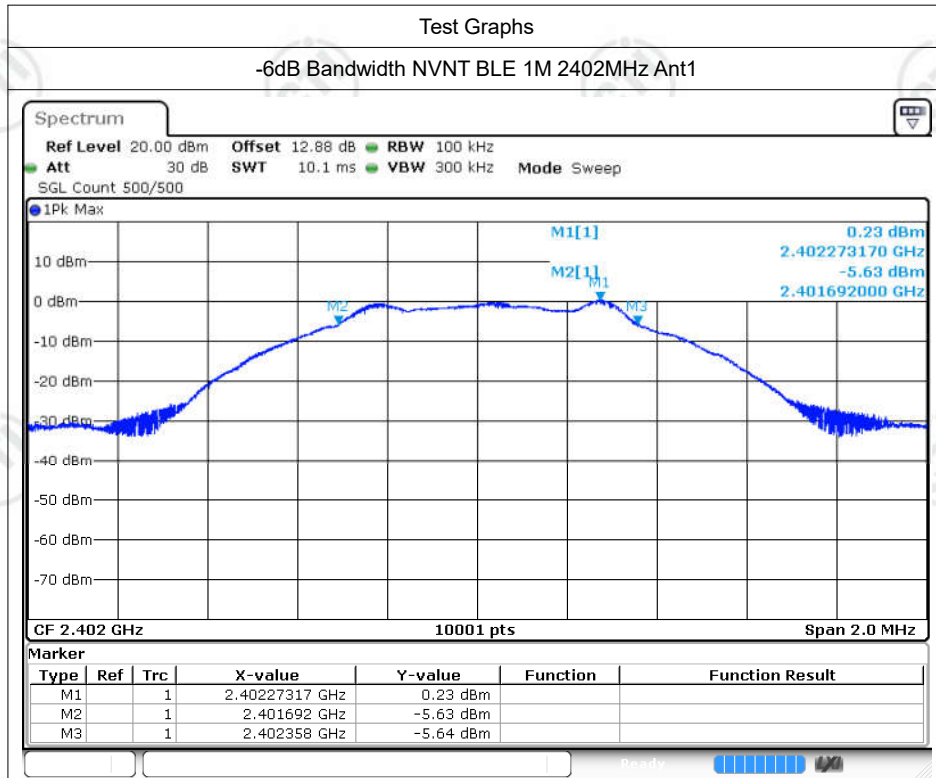
Date: 30. JAN.2024 10:37:56

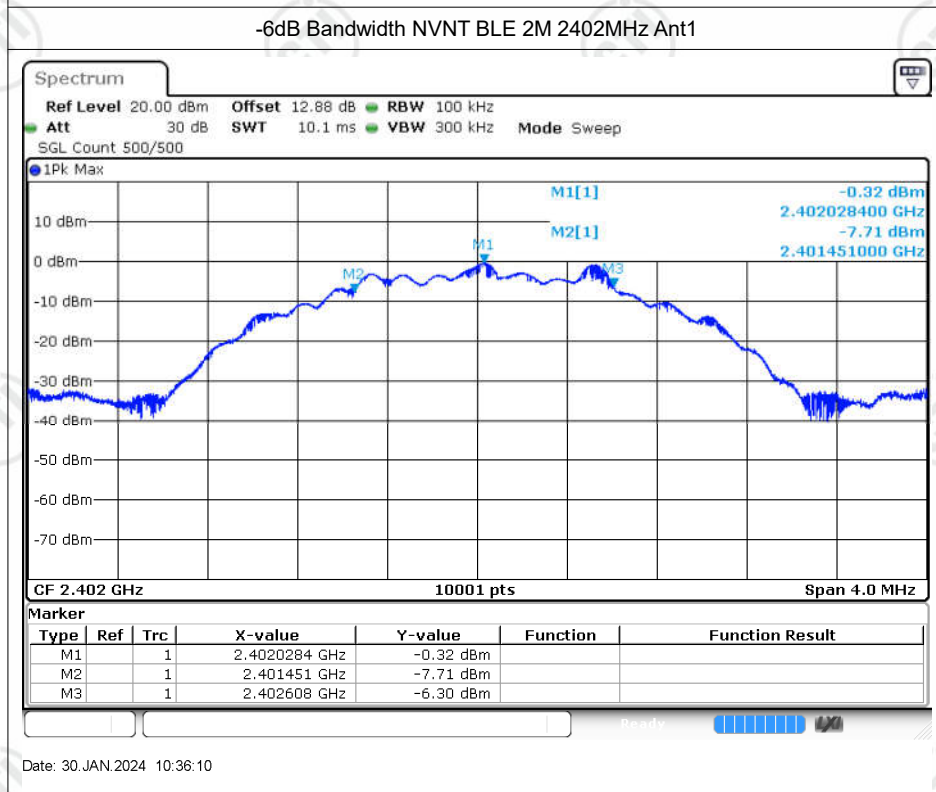
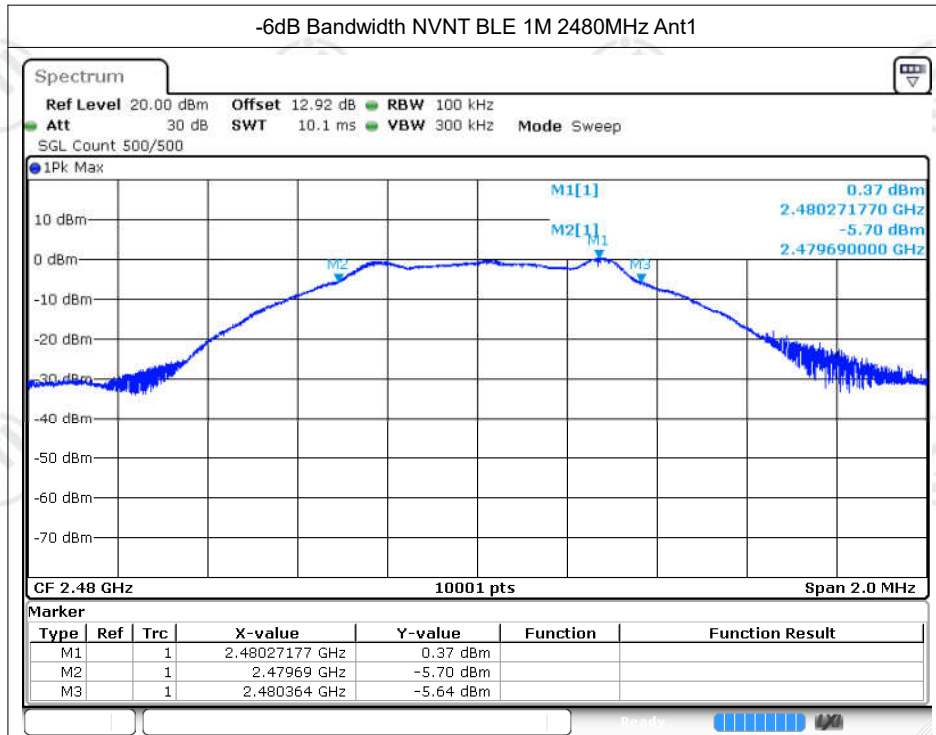


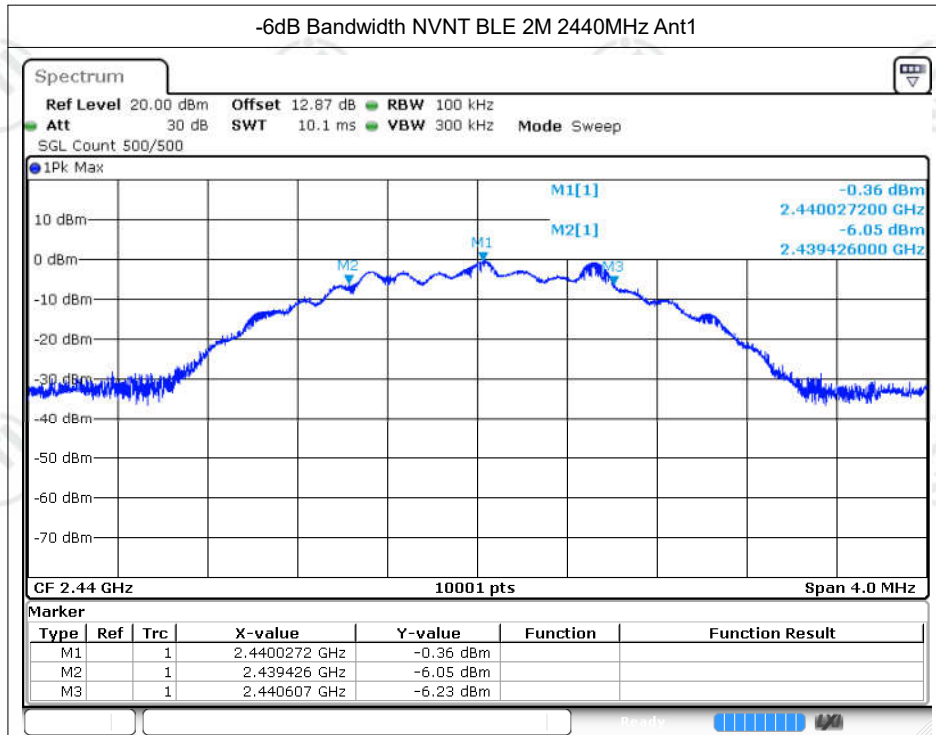
Date: 30. JAN.2024 10:40:47

-6dB Bandwidth

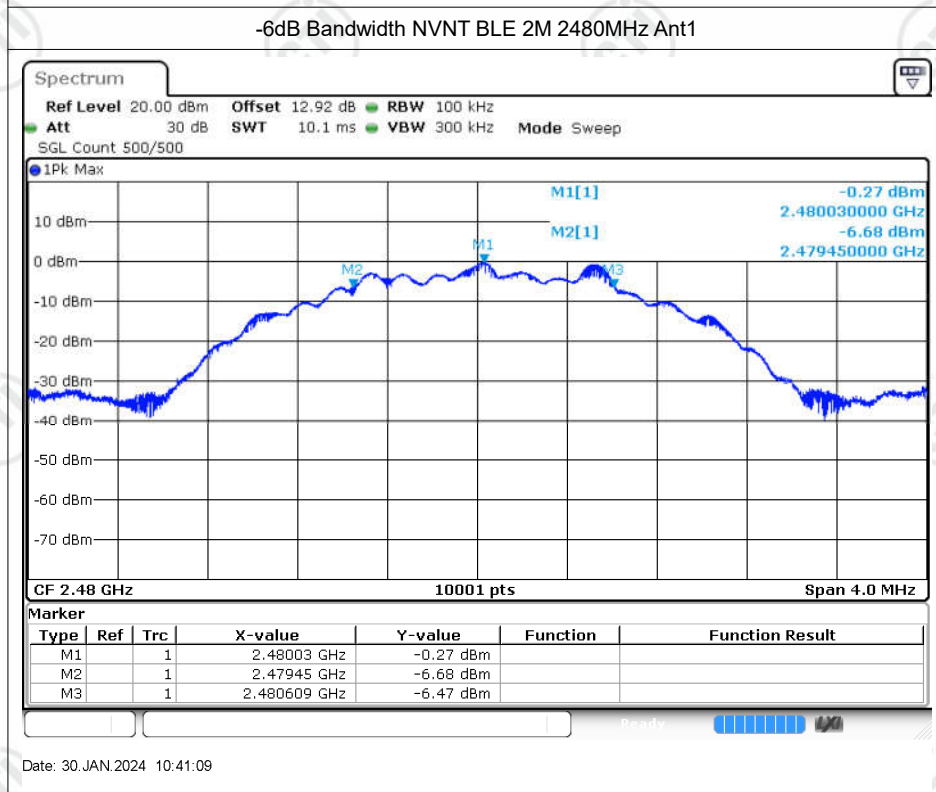
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.667	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.699	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.674	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.157	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.182	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.158	0.5	Pass







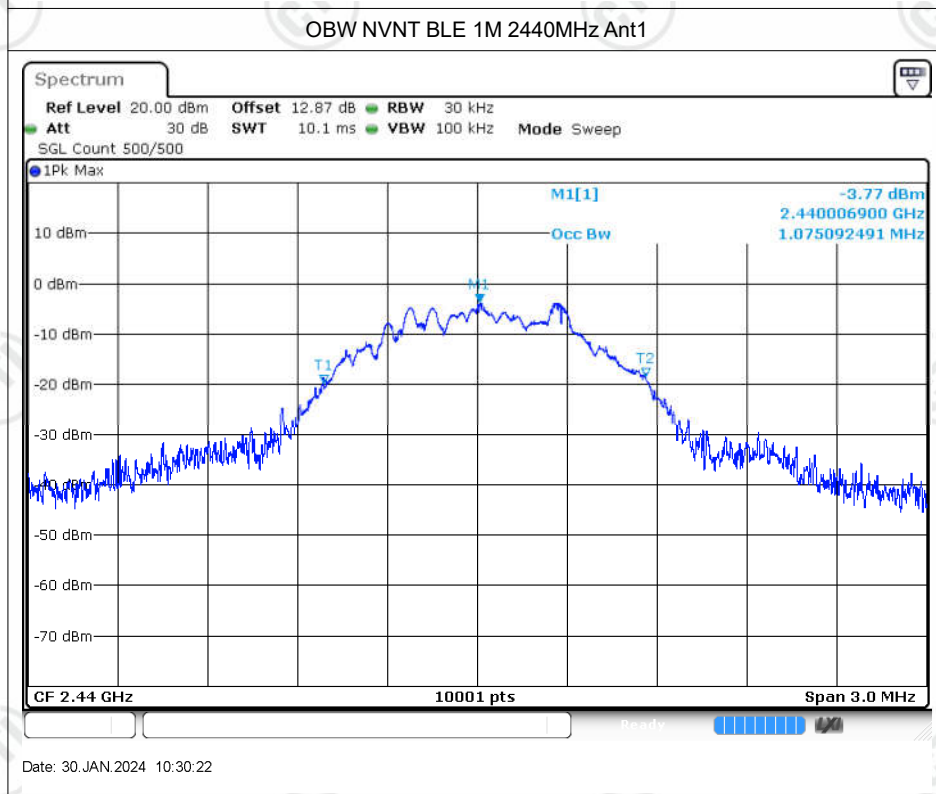
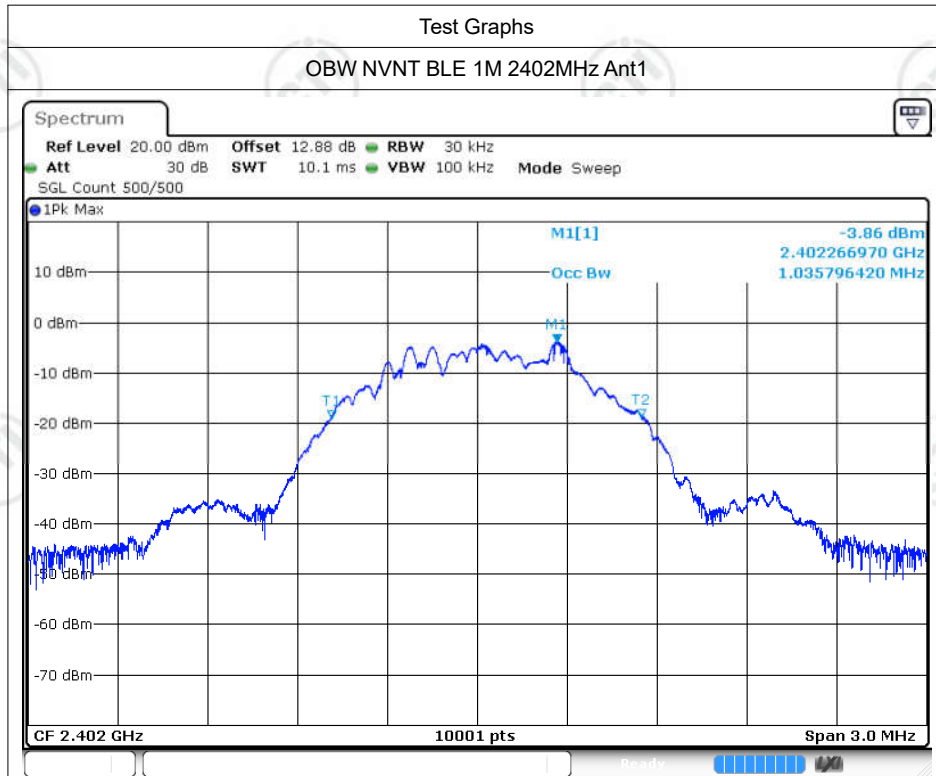
Date: 30.JAN.2024 10:38:18

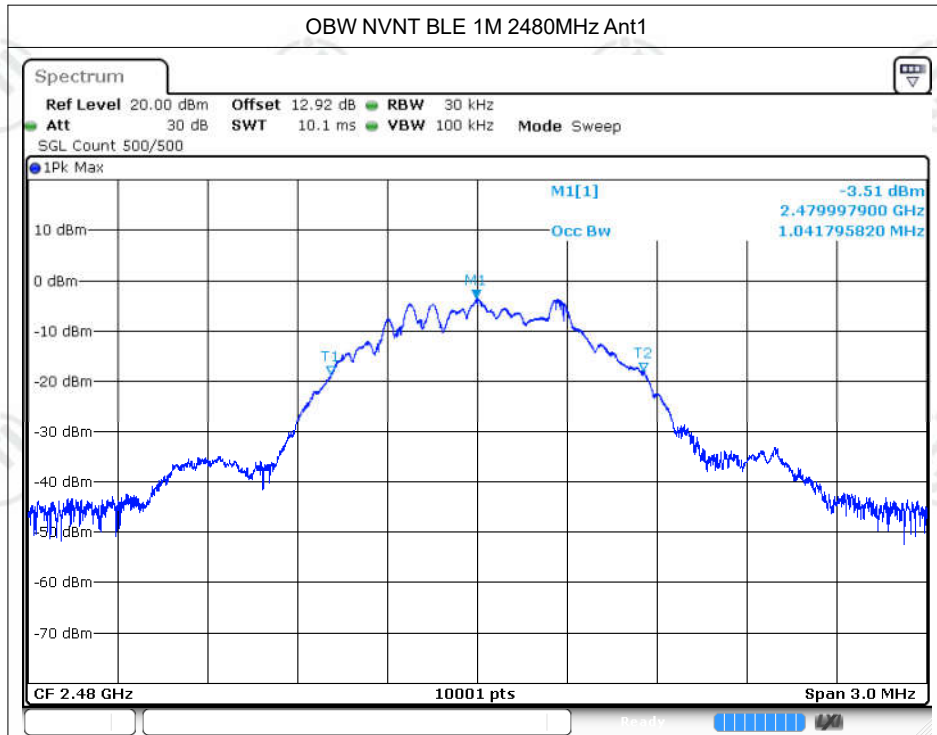


Date: 30.JAN.2024 10:41:09

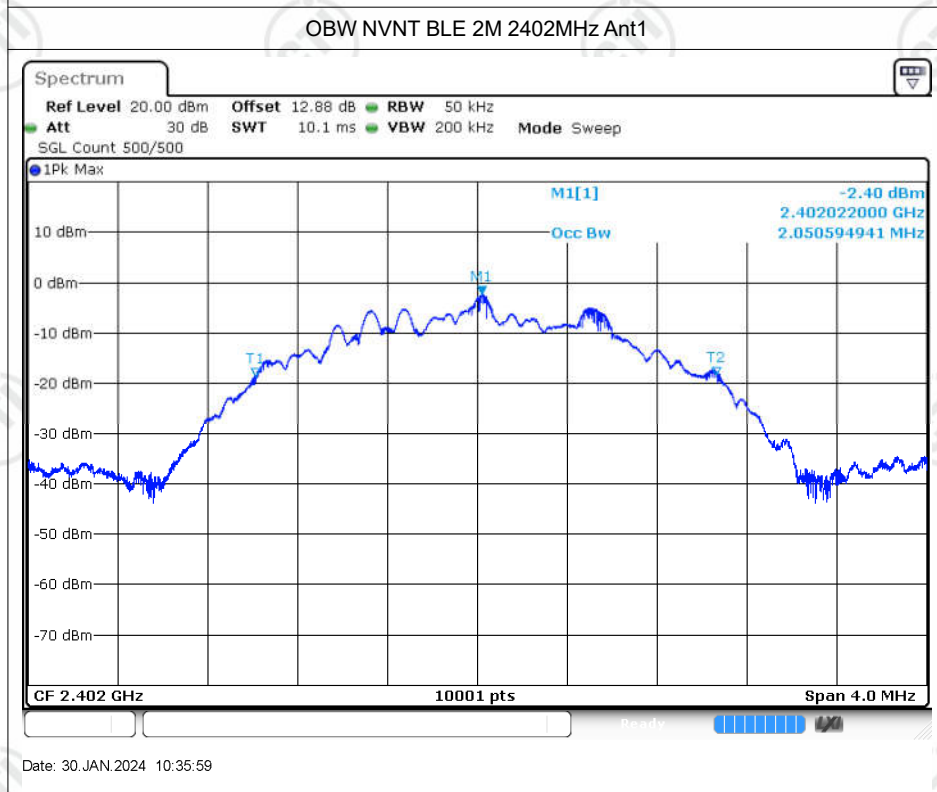
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.036
NVNT	BLE 1M	2440	Ant1	1.075
NVNT	BLE 1M	2480	Ant1	1.042
NVNT	BLE 2M	2402	Ant1	2.051
NVNT	BLE 2M	2440	Ant1	2.085
NVNT	BLE 2M	2480	Ant1	2.053

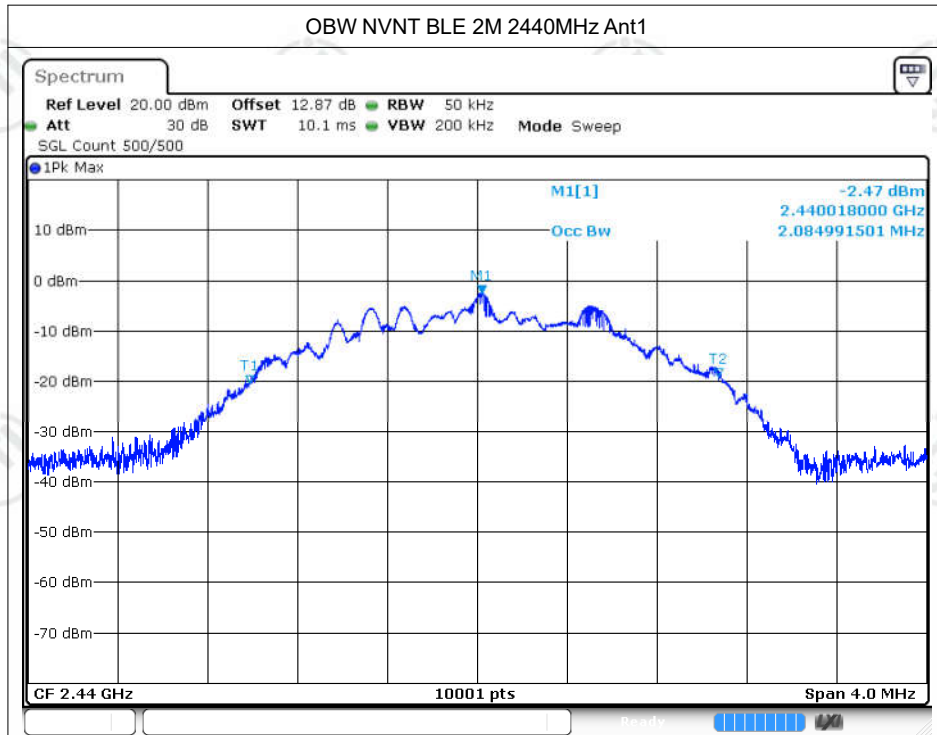




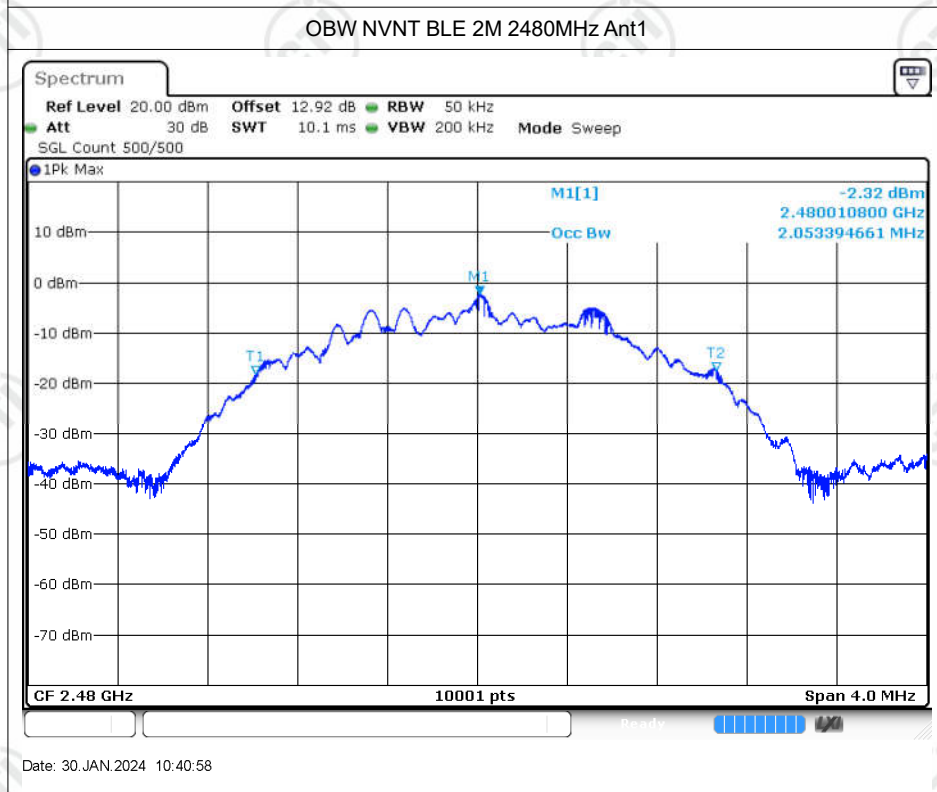
Date: 30. JAN.2024 10:32:01



Date: 30. JAN.2024 10:35:59



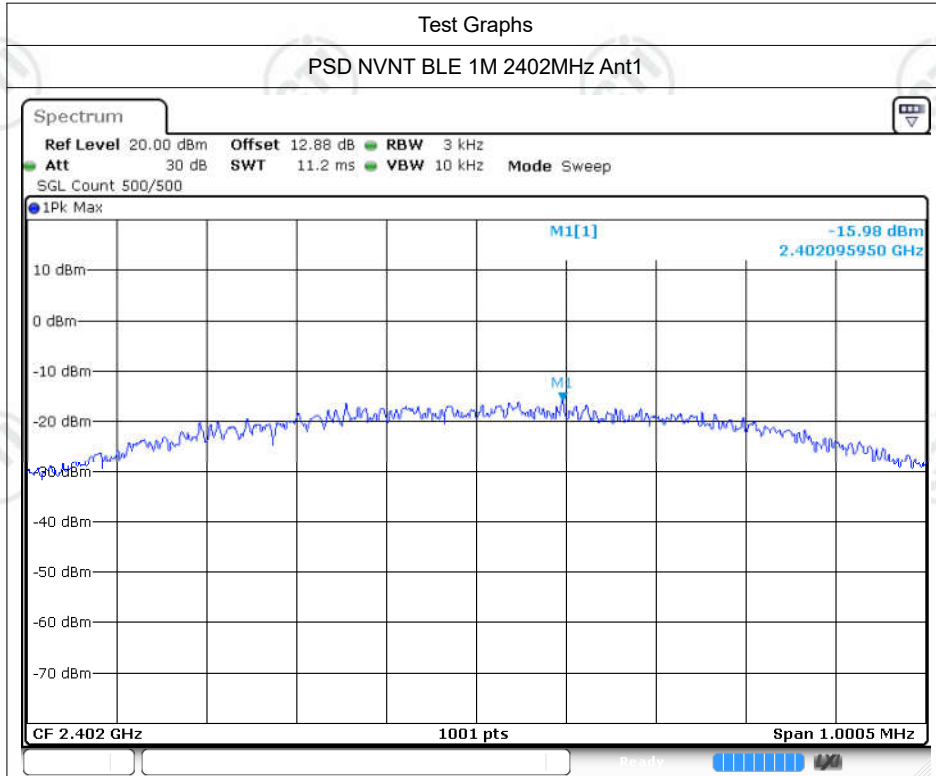
Date: 30.JAN.2024 10:40:05



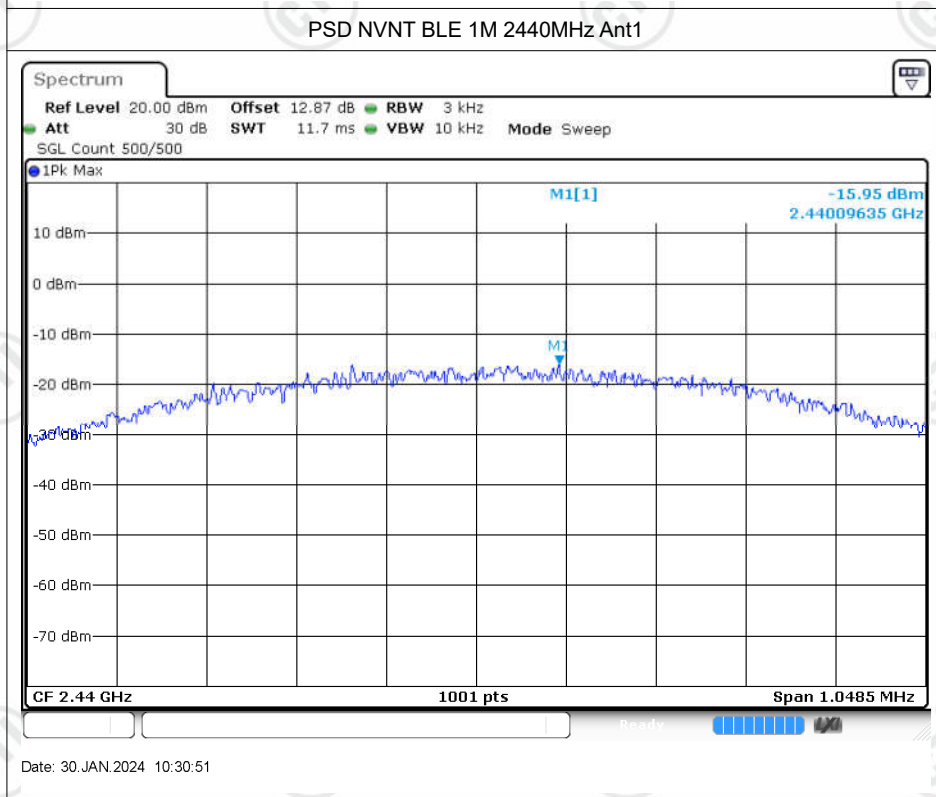
Date: 30.JAN.2024 10:40:58

Maximum Power Spectral Density Level

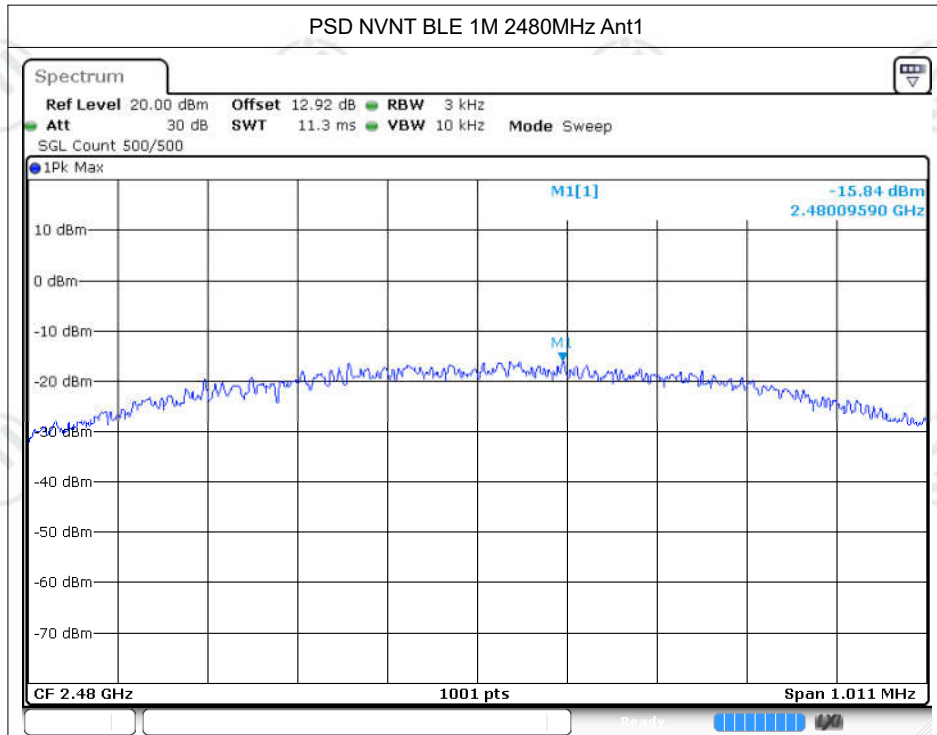
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-15.98	8	Pass
NVNT	BLE 1M	2440	Ant1	-15.95	8	Pass
NVNT	BLE 1M	2480	Ant1	-15.84	8	Pass
NVNT	BLE 2M	2402	Ant1	-18.66	8	Pass
NVNT	BLE 2M	2440	Ant1	-18.61	8	Pass
NVNT	BLE 2M	2480	Ant1	-18.22	8	Pass



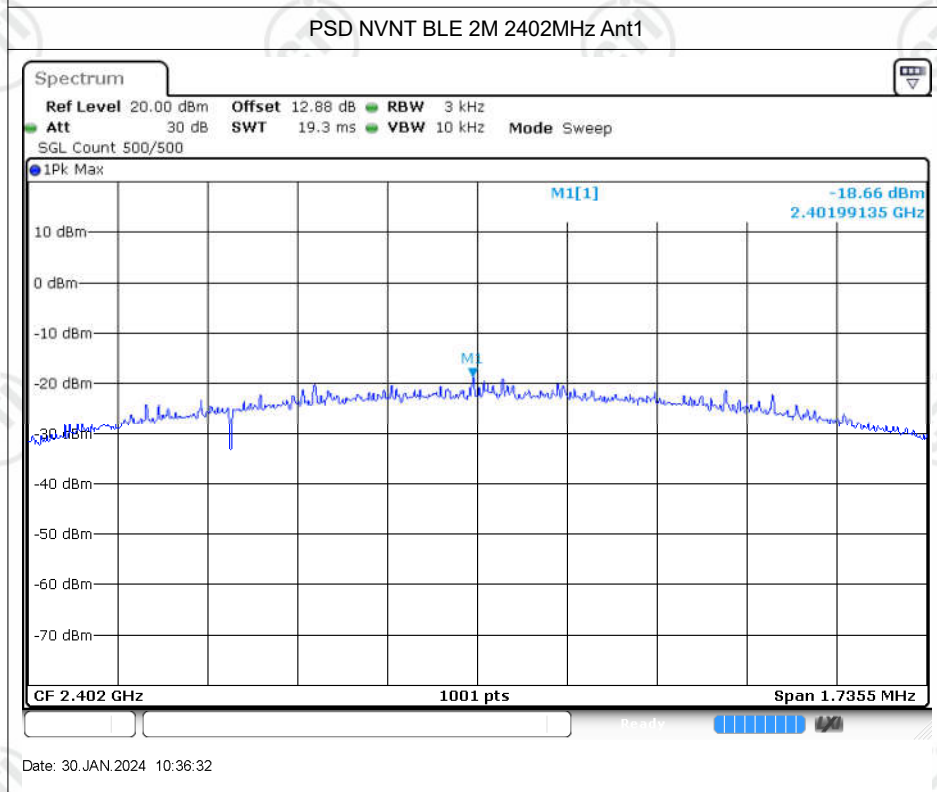
Date: 30.JAN.2024 10:27:00



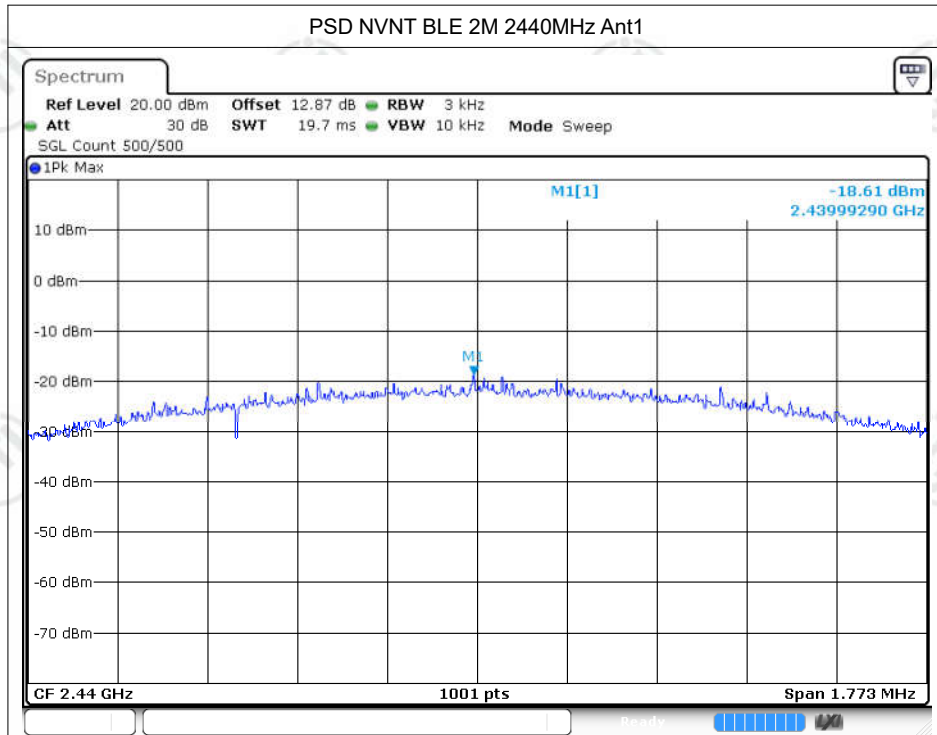
Date: 30.JAN.2024 10:30:51



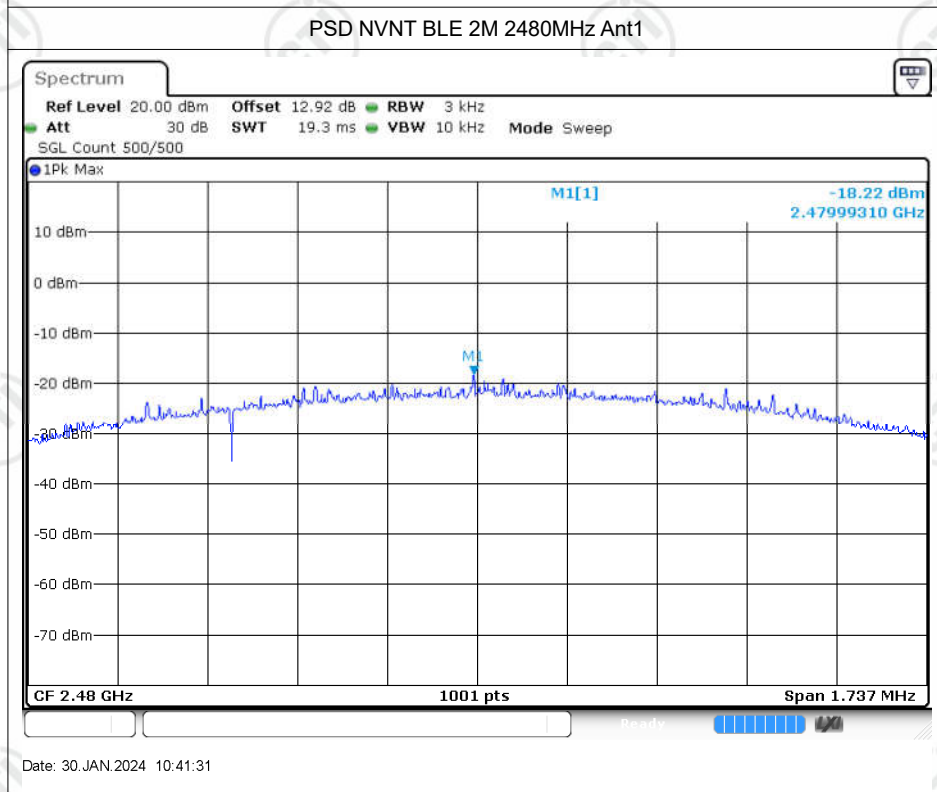
Date: 30. JAN.2024 10:32:30



Date: 30. JAN.2024 10:36:32



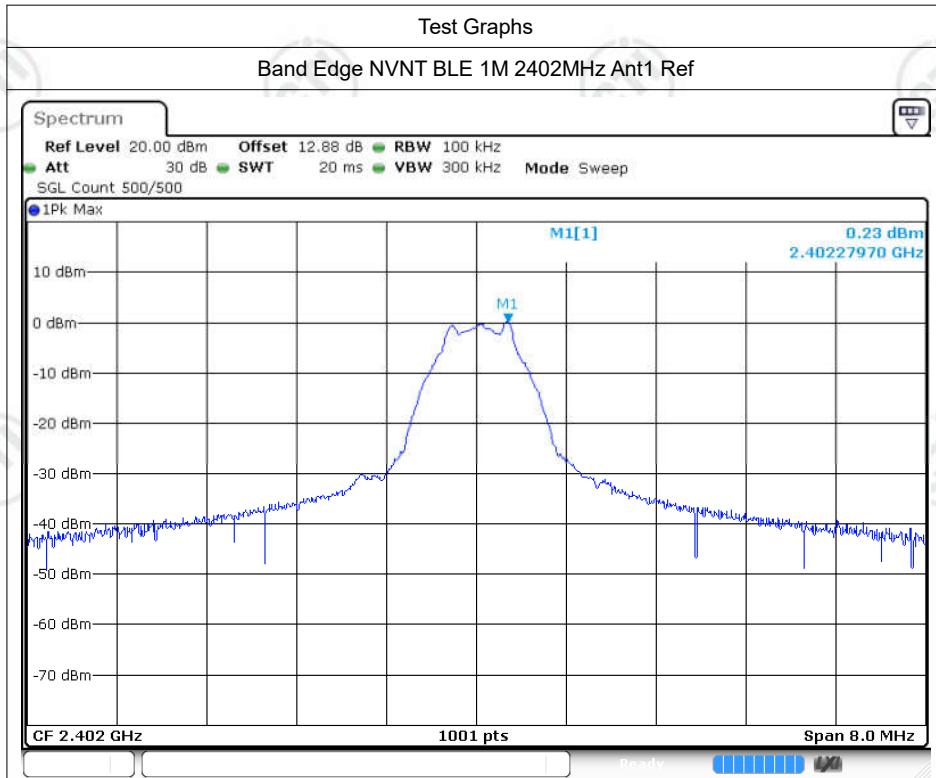
Date: 30.JAN.2024 10:38:41



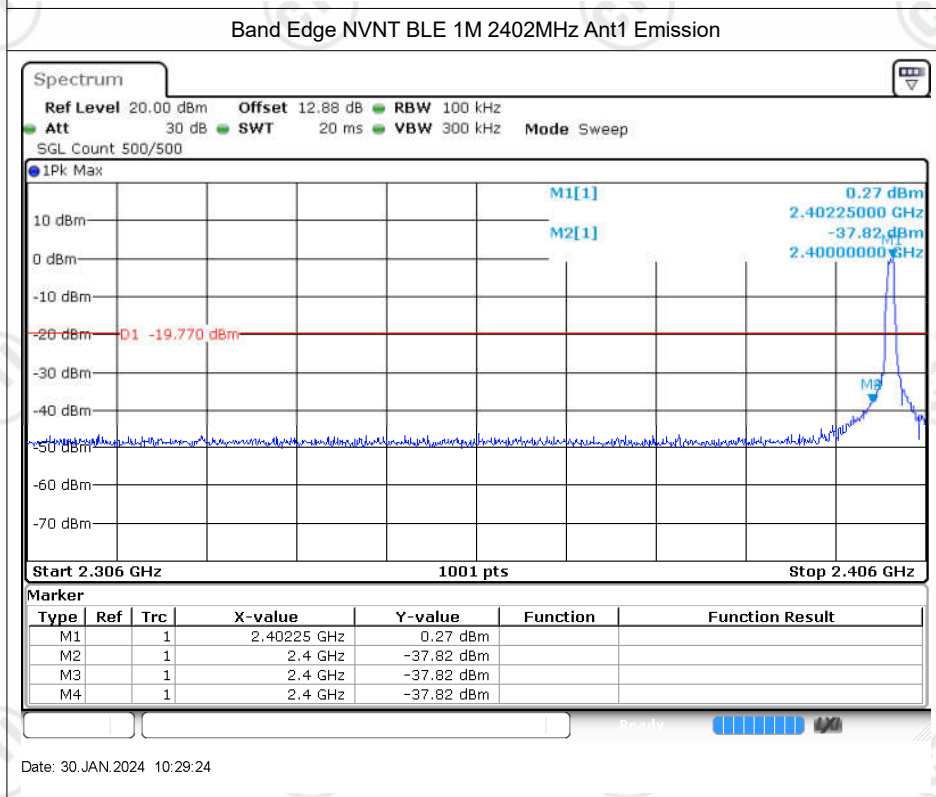
Date: 30.JAN.2024 10:41:31

Band Edge

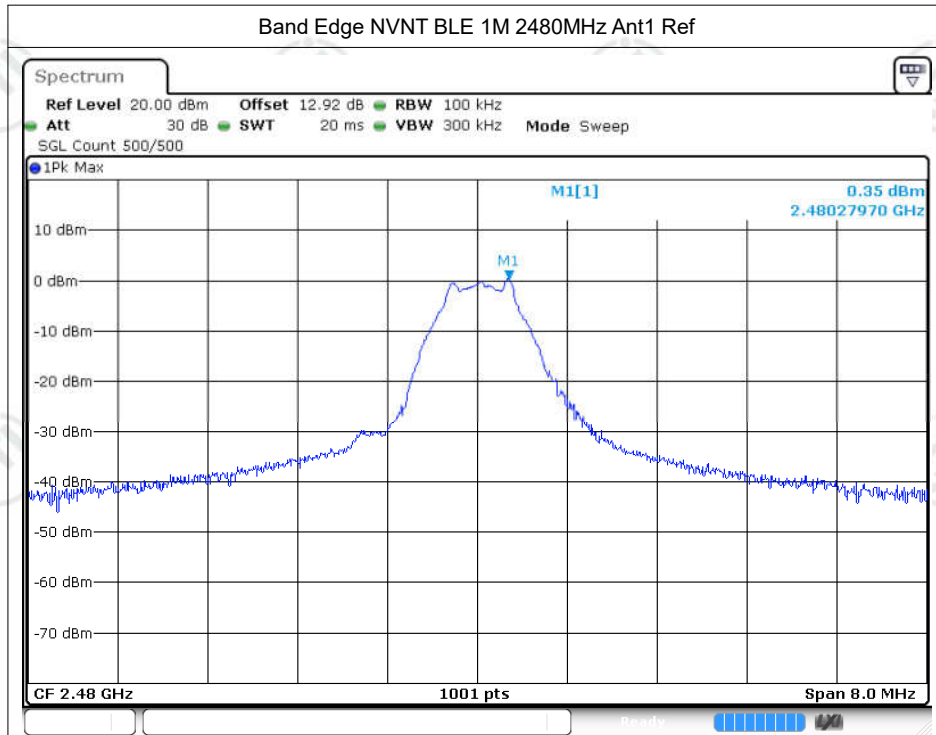
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-38.04	-20	Pass
NVNT	BLE 1M	2480	Ant1	-42.34	-20	Pass
NVNT	BLE 2M	2402	Ant1	-31.71	-20	Pass
NVNT	BLE 2M	2480	Ant1	-41.60	-20	Pass



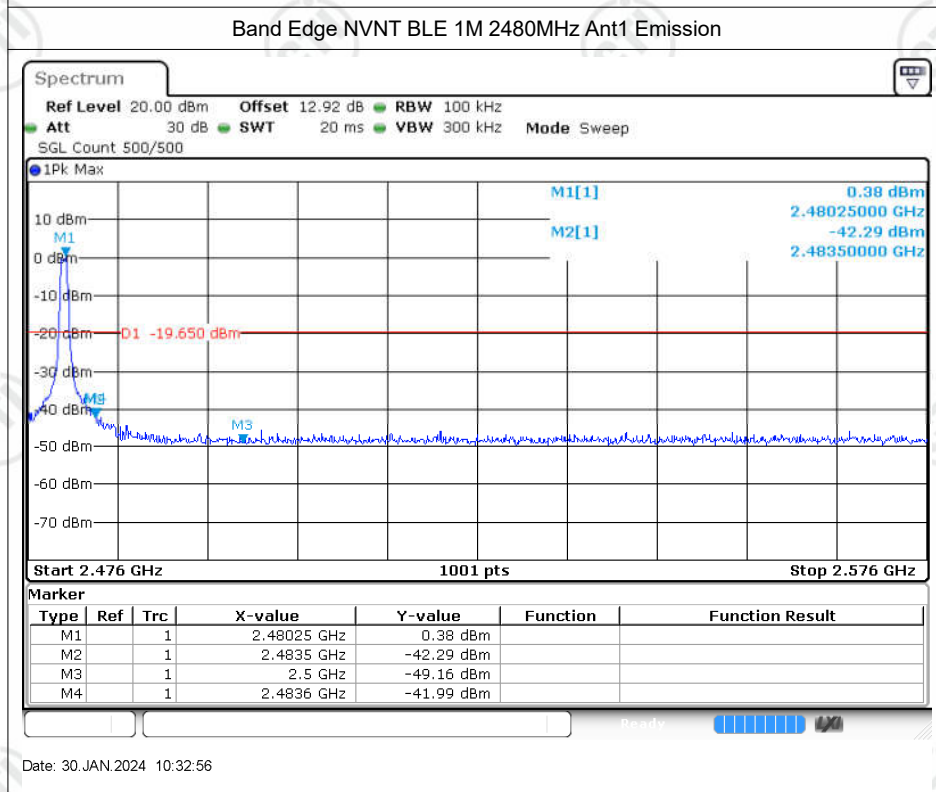
Date: 30.JAN.2024 10:29:10



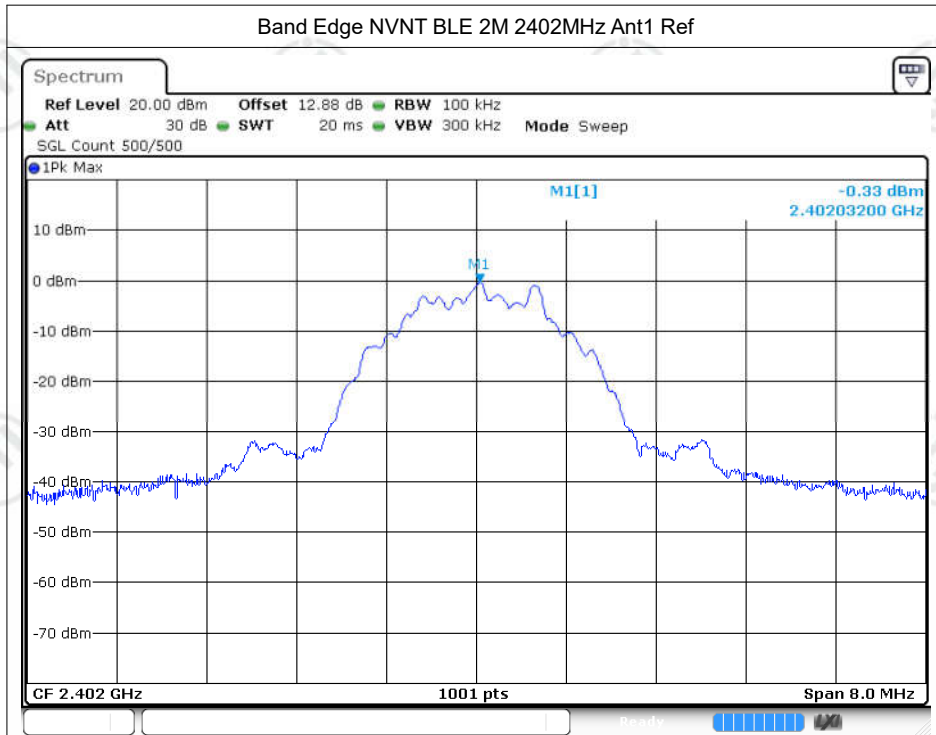
Date: 30.JAN.2024 10:29:24



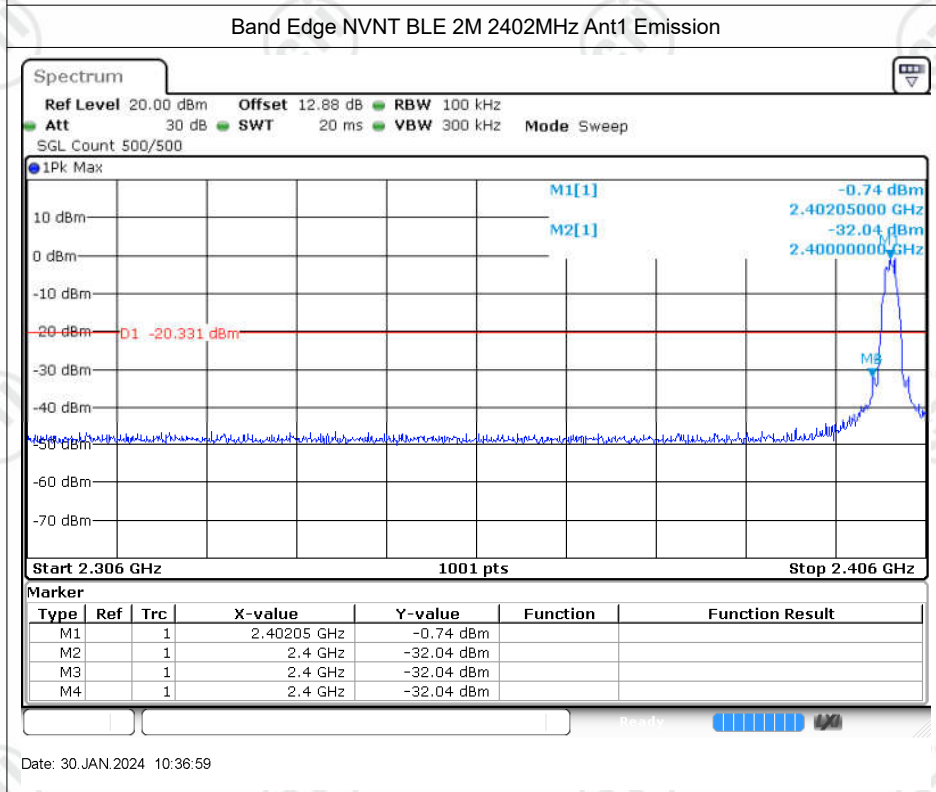
Date: 30.JAN.2024 10:32:44



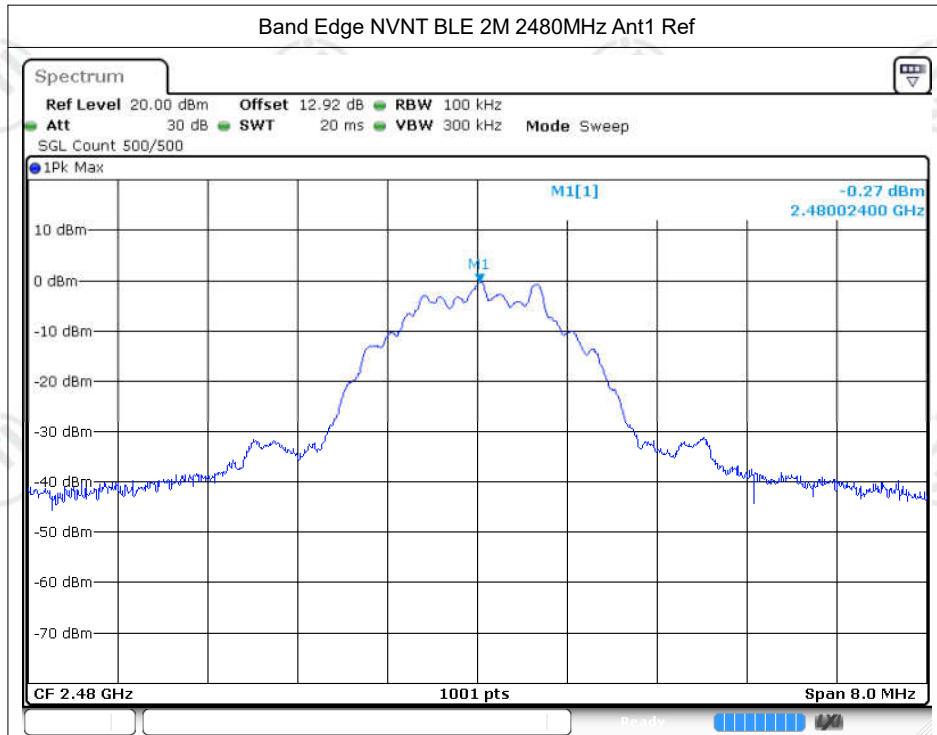
Date: 30.JAN.2024 10:32:56



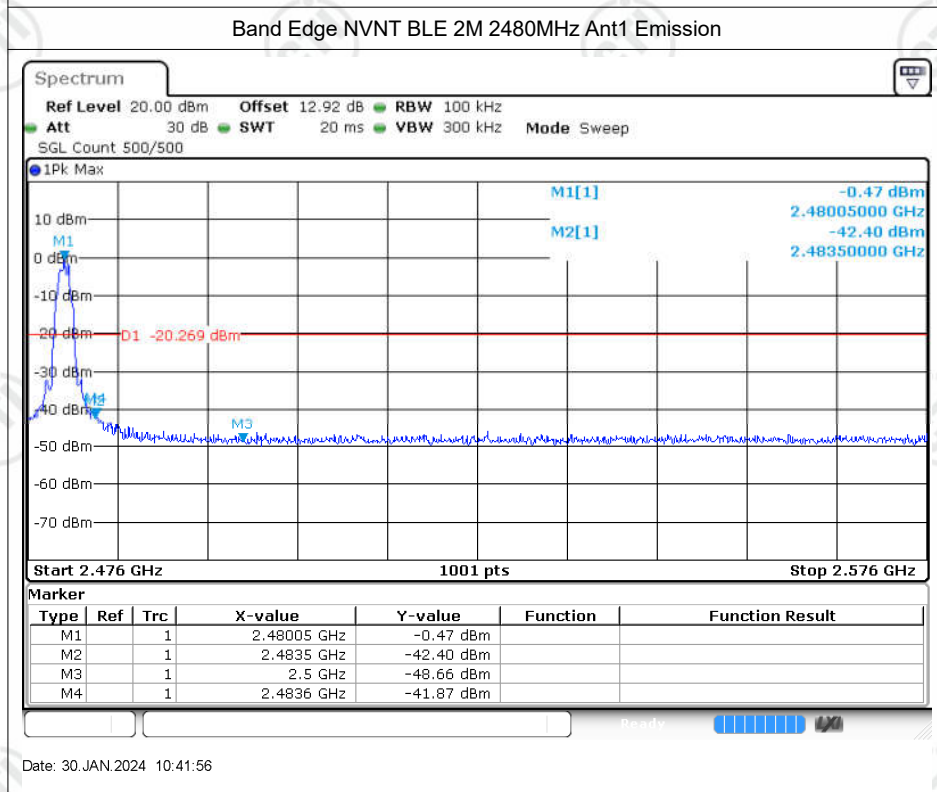
Date: 30. JAN. 2024 10:36:45



Date: 30. JAN. 2024 10:36:59



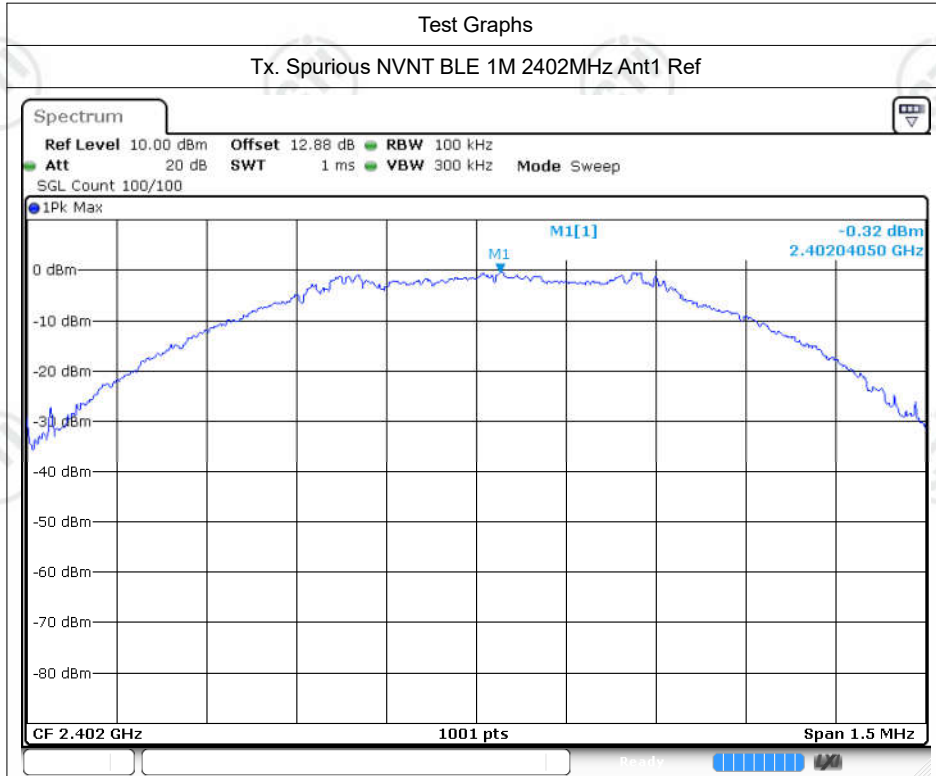
Date: 30.JAN.2024 10:41:44



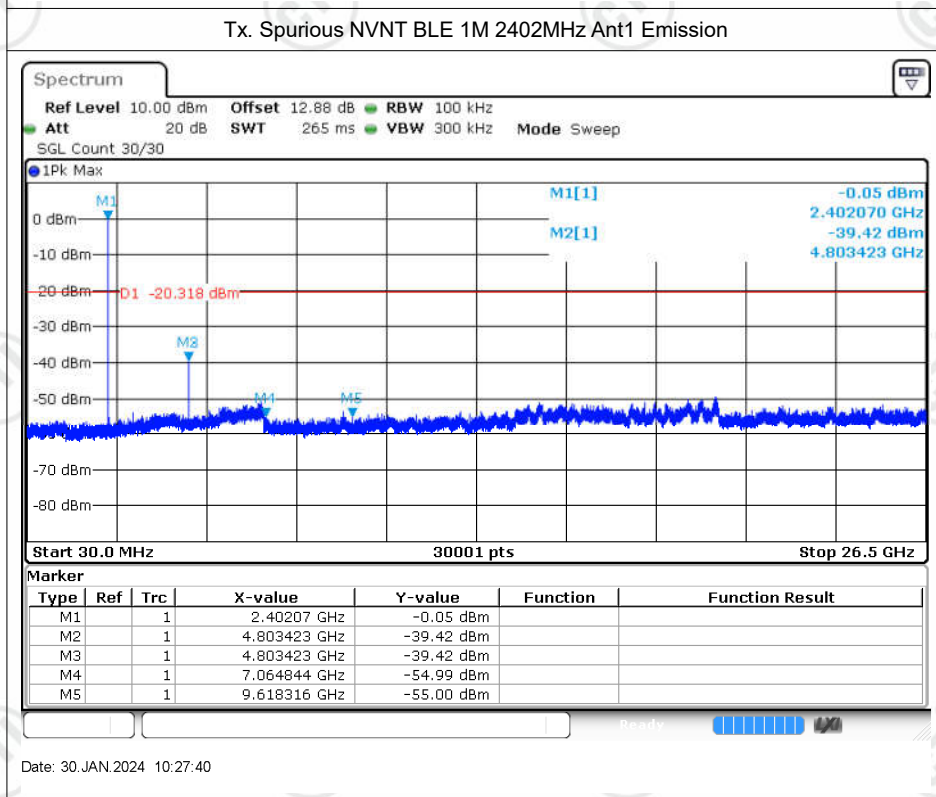
Date: 30.JAN.2024 10:41:56

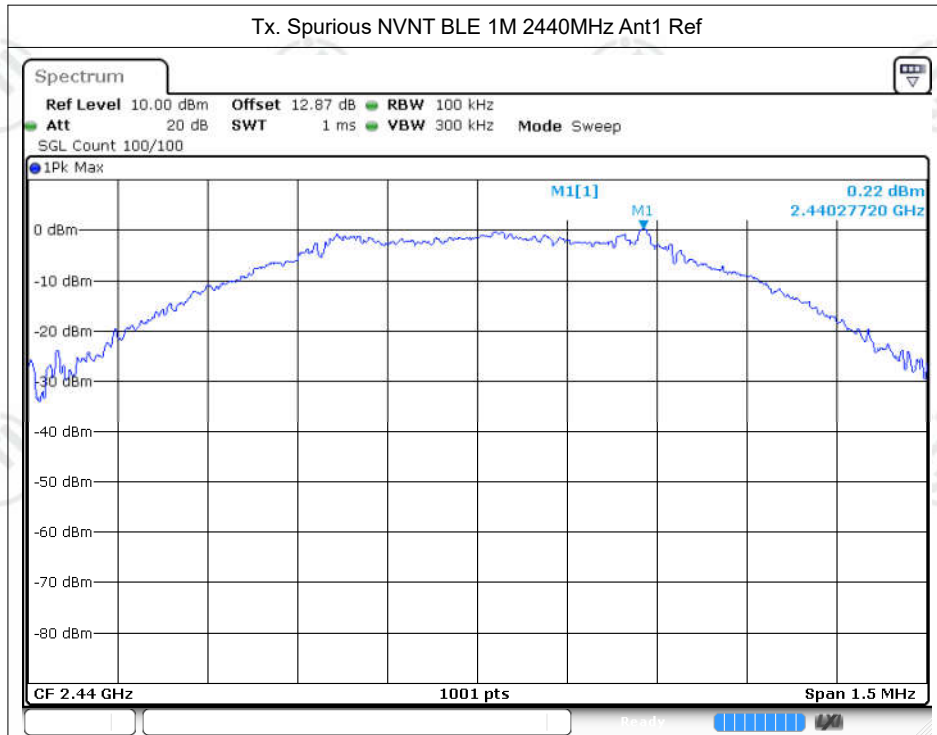
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-39.09	-20	Pass
NVNT	BLE 1M	2440	Ant1	-39.78	-20	Pass
NVNT	BLE 1M	2480	Ant1	-39.84	-20	Pass
NVNT	BLE 2M	2402	Ant1	-40.73	-20	Pass
NVNT	BLE 2M	2440	Ant1	-40.91	-20	Pass
NVNT	BLE 2M	2480	Ant1	-45.26	-20	Pass

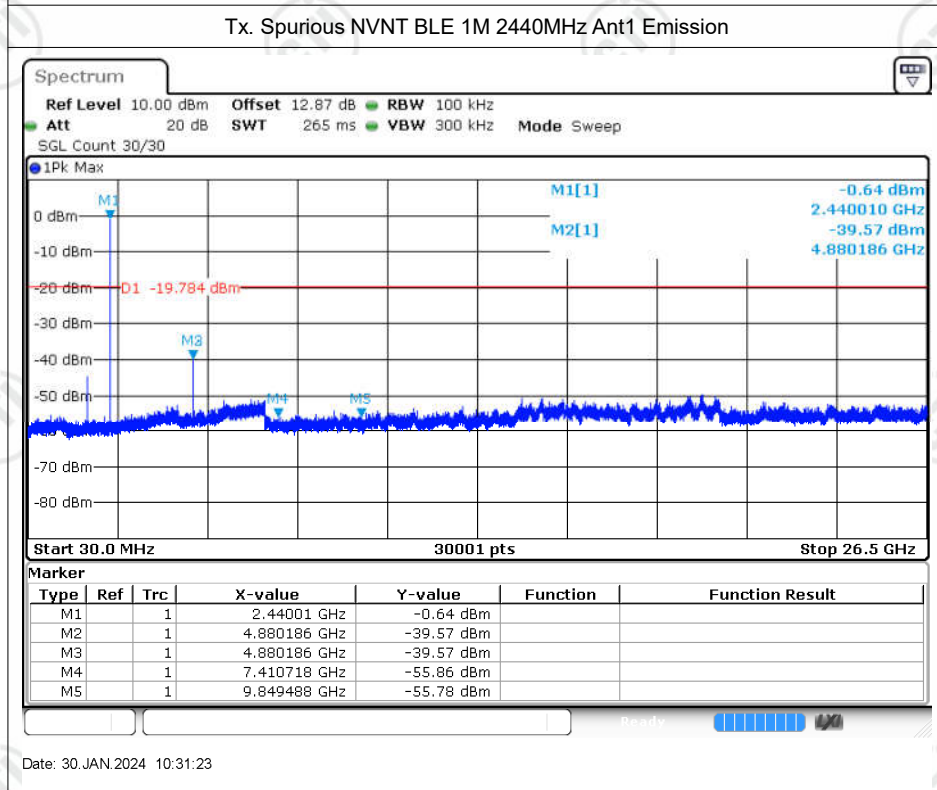


Date: 30.JAN.2024 10:27:11

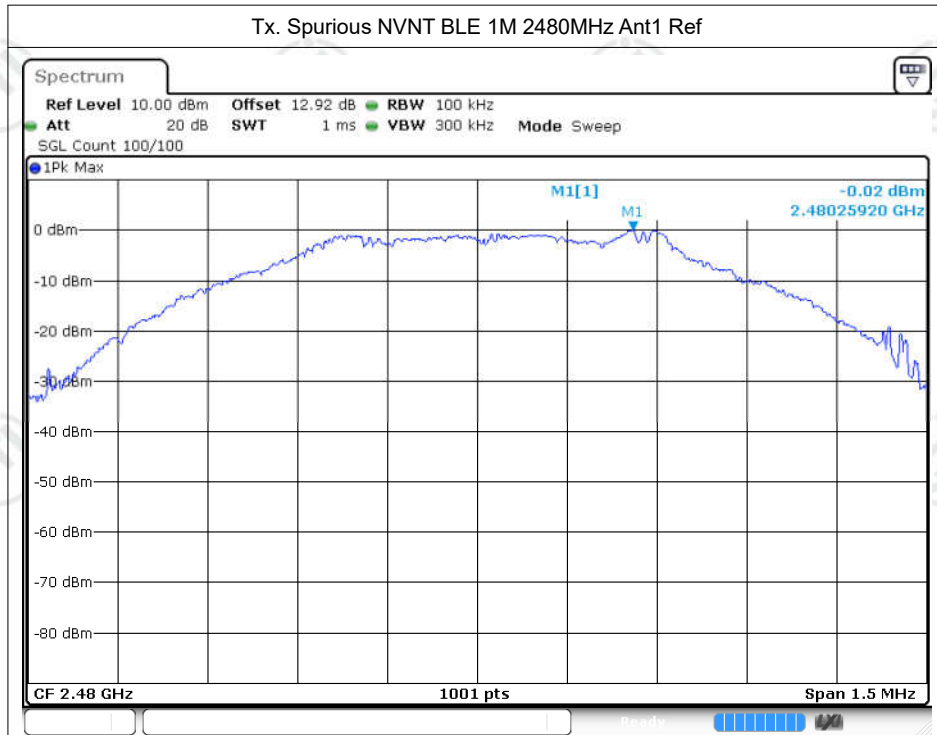




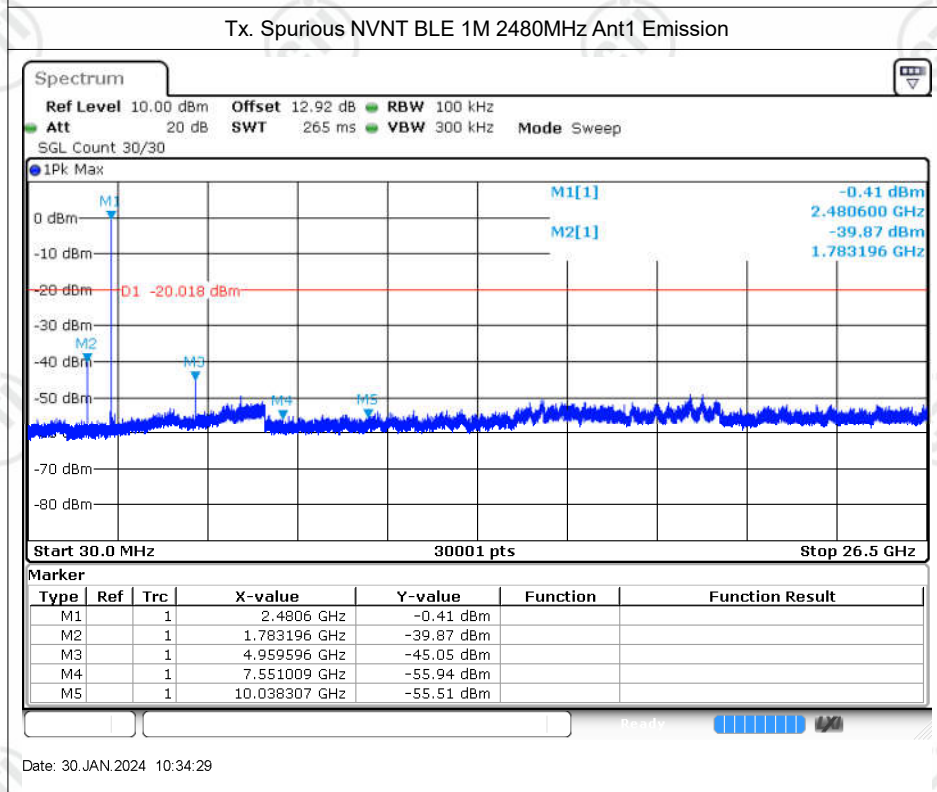
Date: 30.JAN.2024 10:30:54



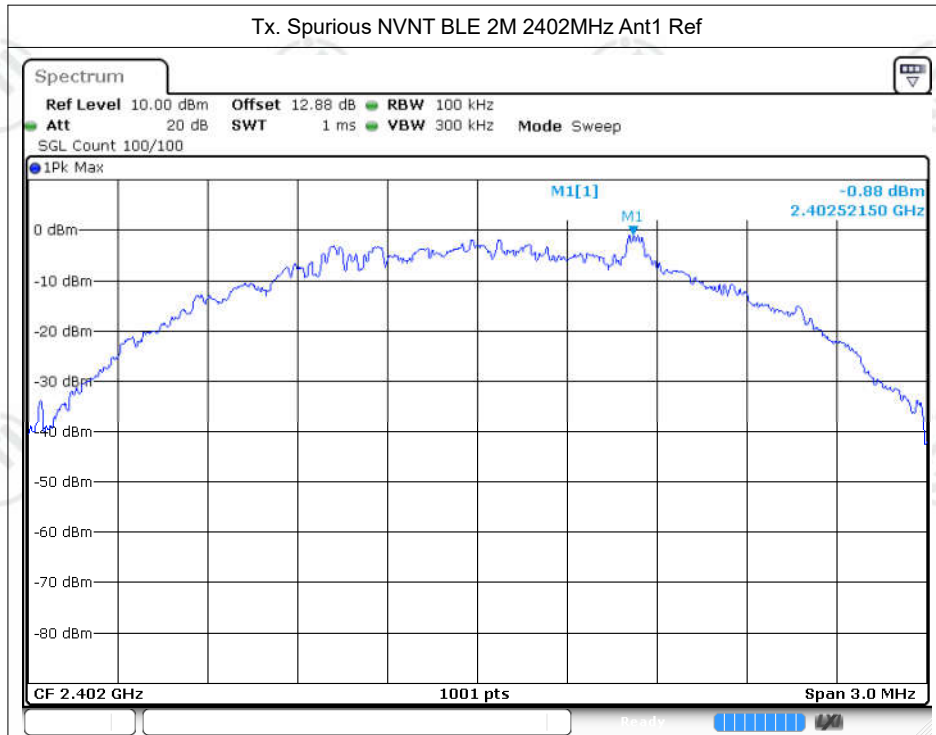
Date: 30.JAN.2024 10:31:23



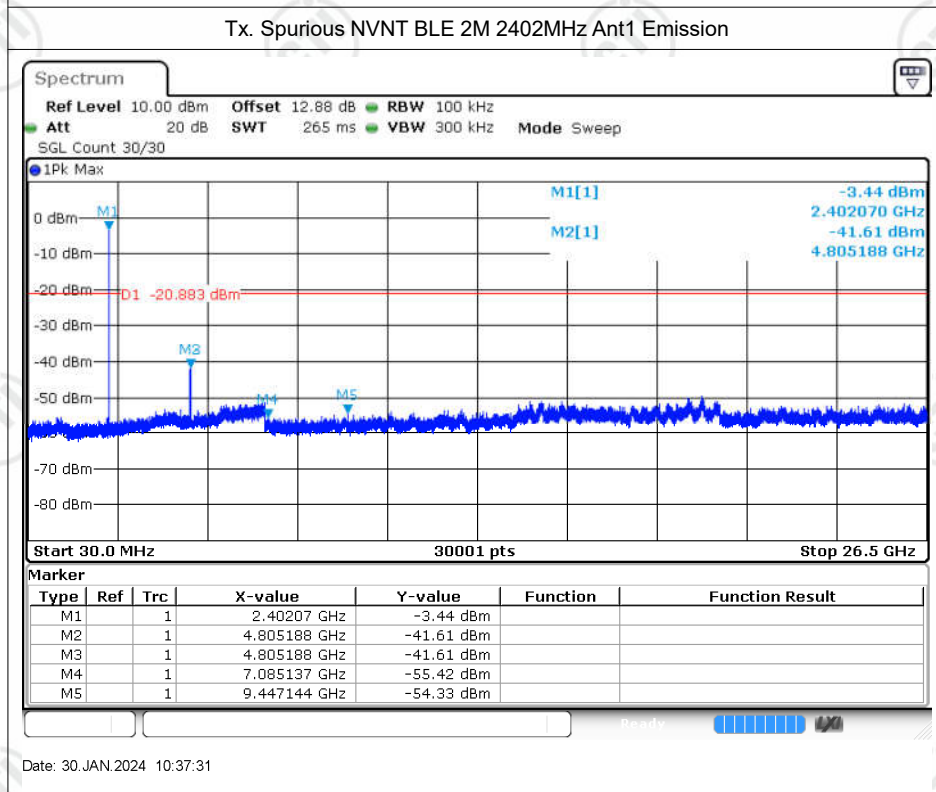
Date: 30.JAN.2024 10:34:00



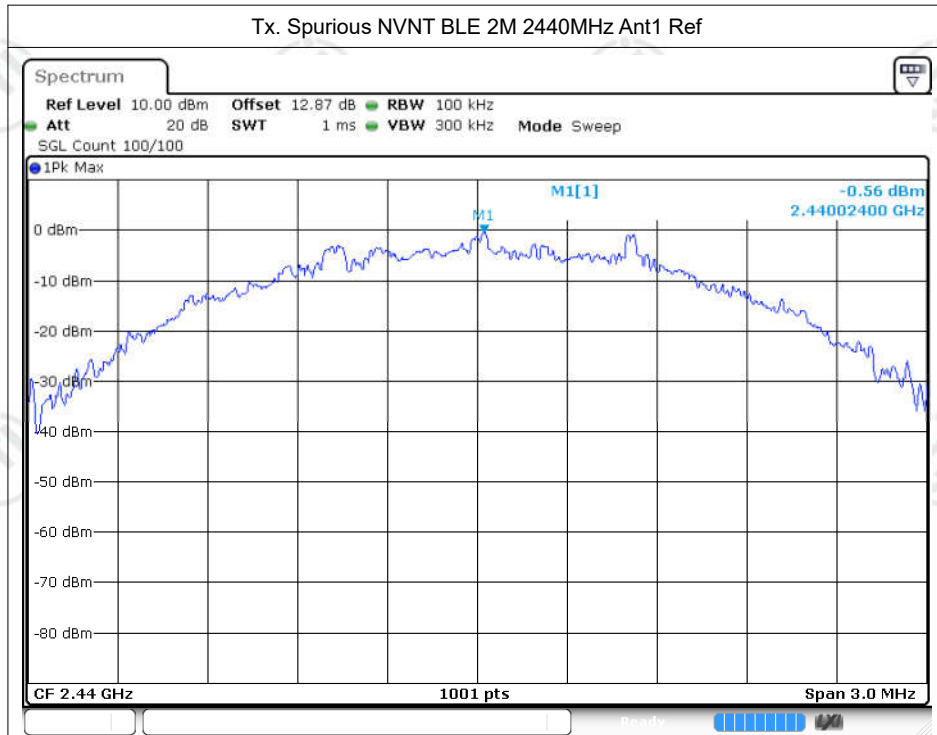
Date: 30.JAN.2024 10:34:29



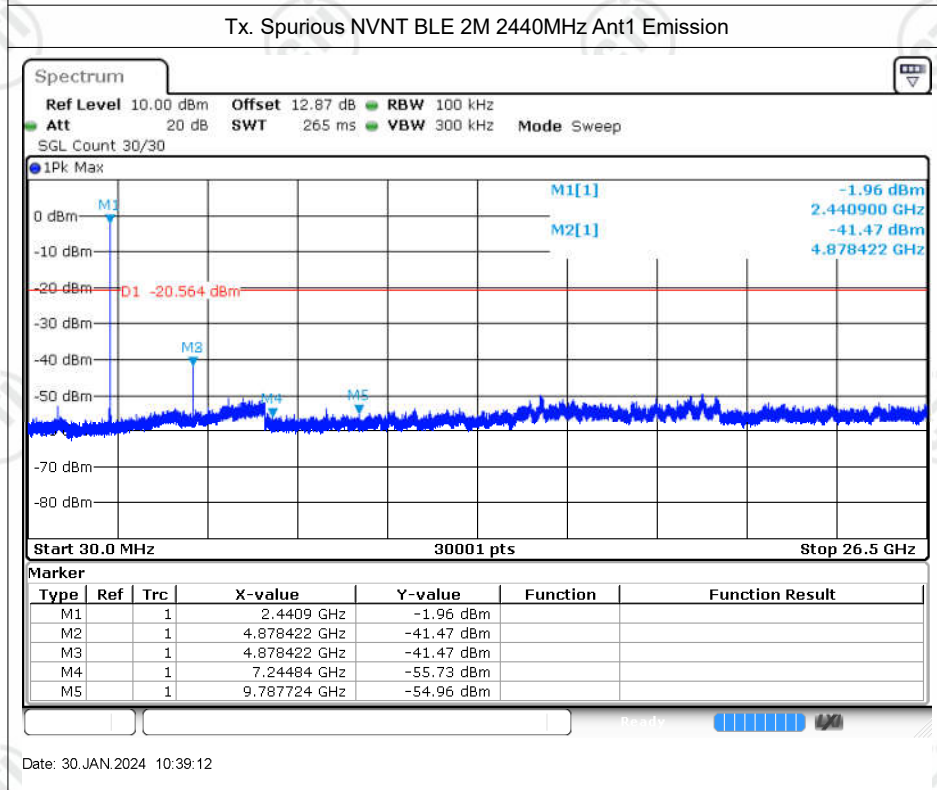
Date: 30.JAN.2024 10:37:02



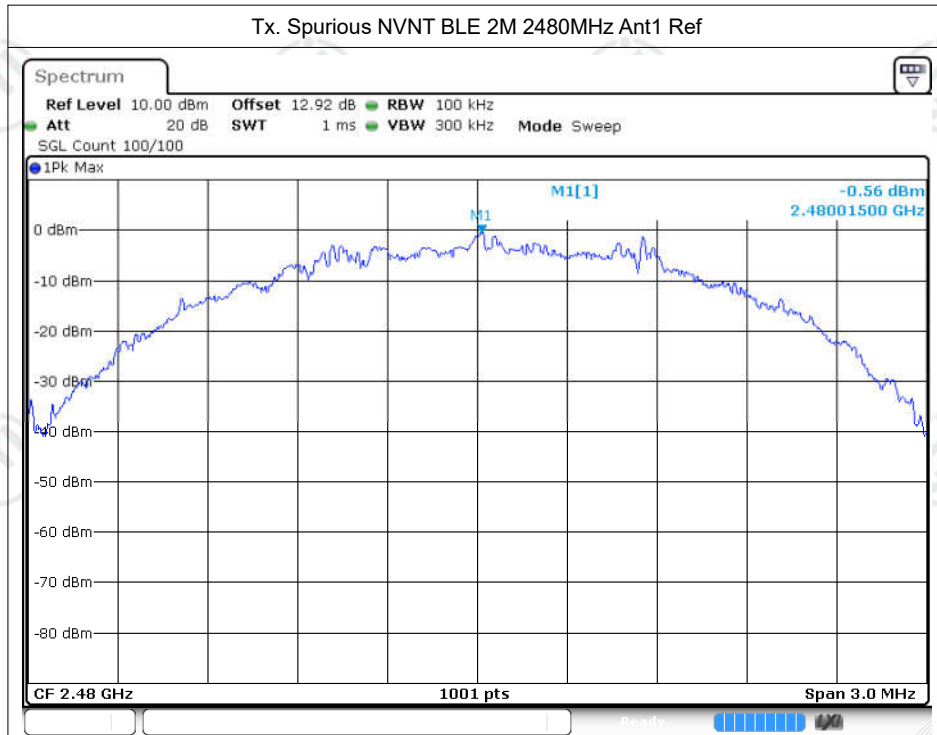
Date: 30.JAN.2024 10:37:31



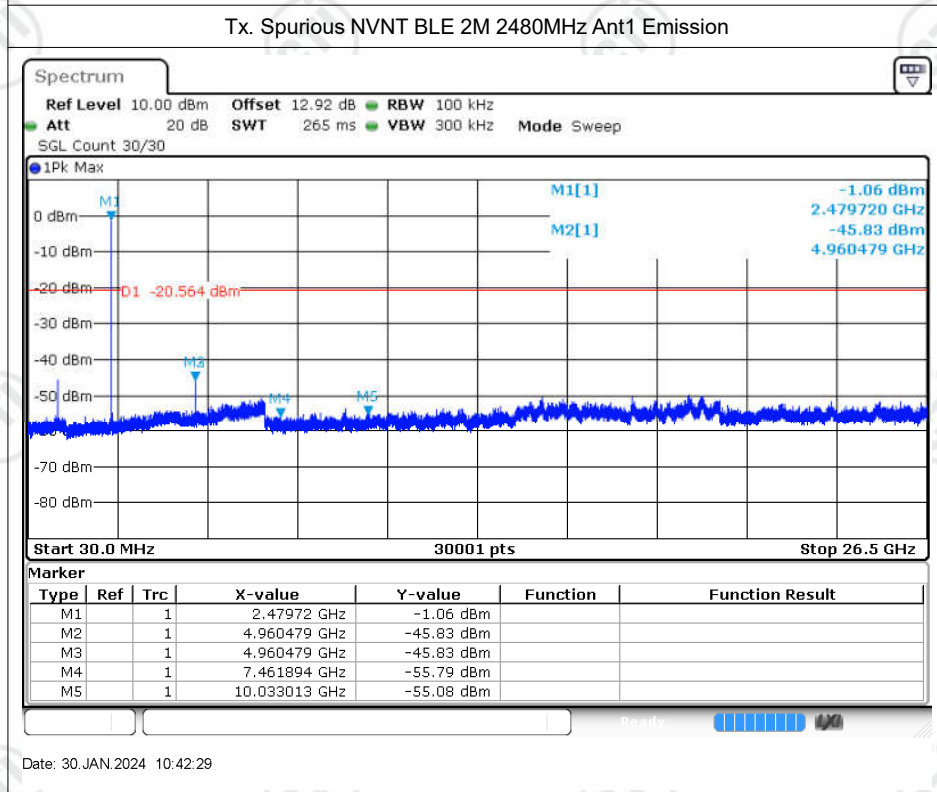
Date: 30.JAN.2024 10:38:43



Date: 30.JAN.2024 10:39:12



Date: 30.JAN.2024 10:42:00



Date: 30.JAN.2024 10:42:29

*** End of Report ***