

Appendix: Bluetooth LE

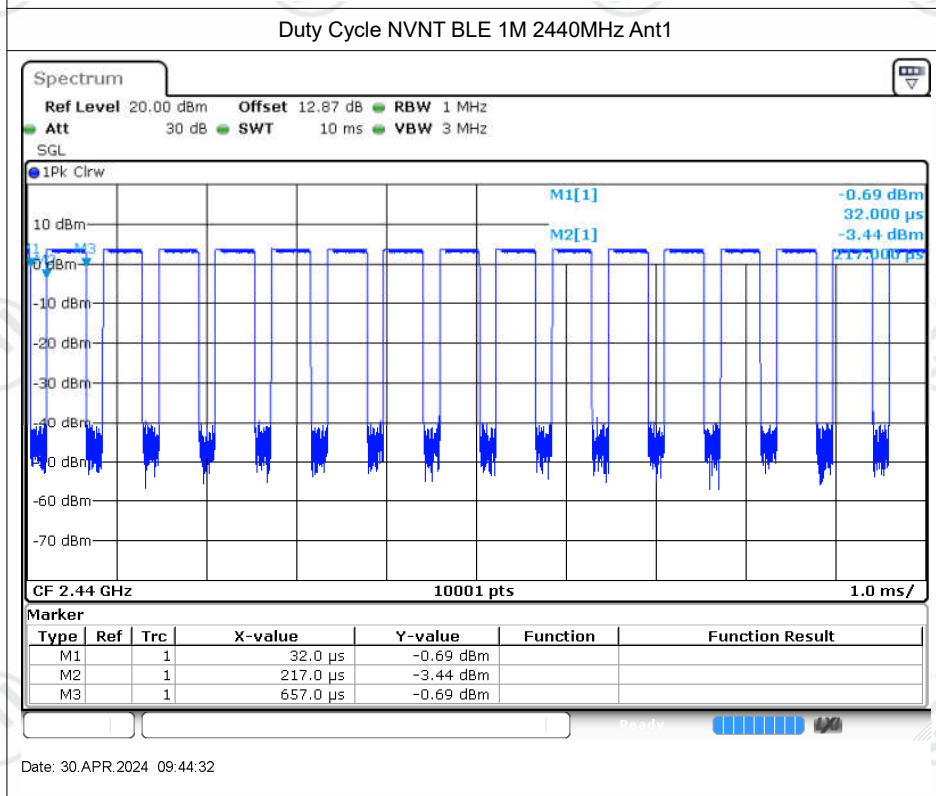
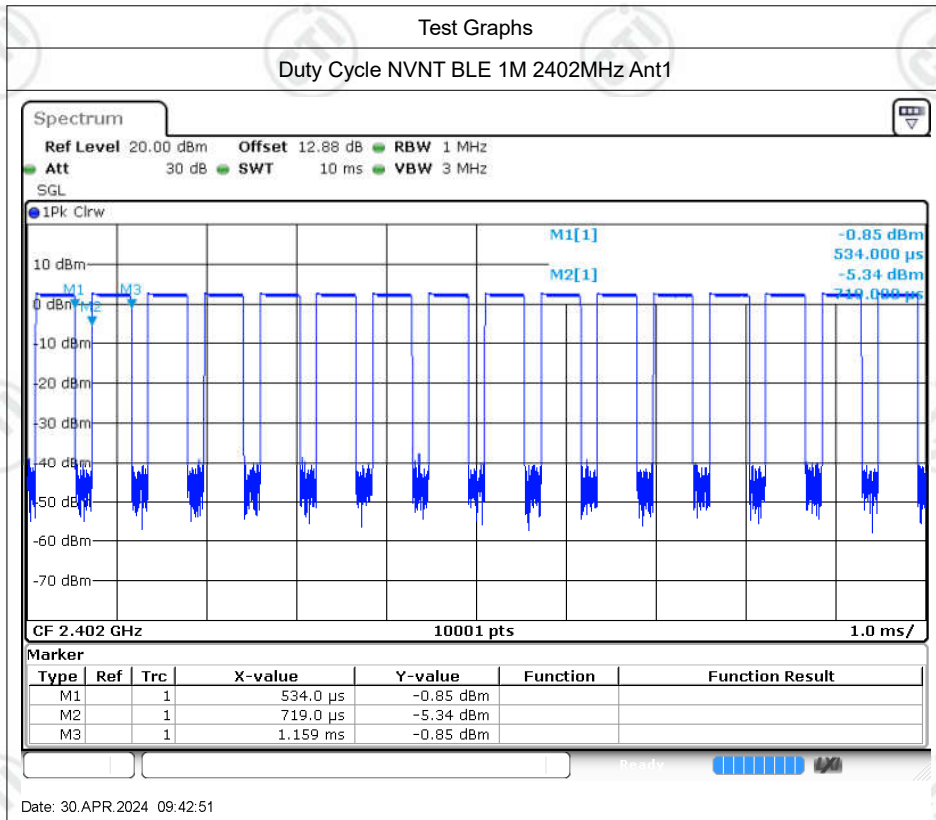
Contents

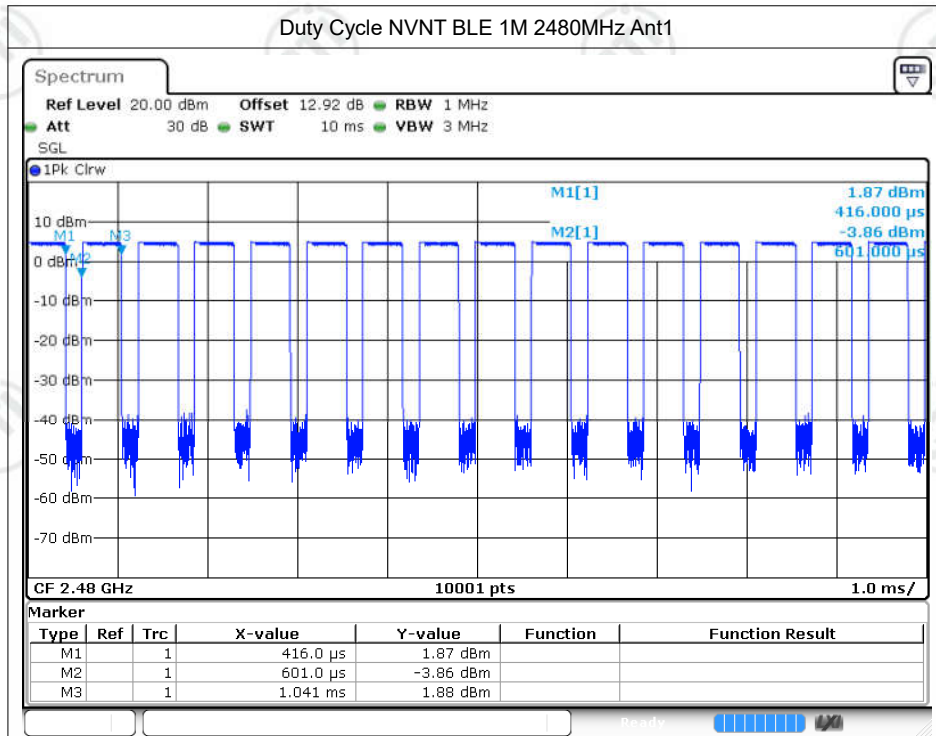
Duty Cycle	3
Maximum Peak Conducted Output Power	7
-6dB Bandwidth	11
Occupied Channel Bandwidth	15
Maximum Power Spectral Density Level	19
Band Edge	23
Conducted RF Spurious Emission	28

Duty Cycle

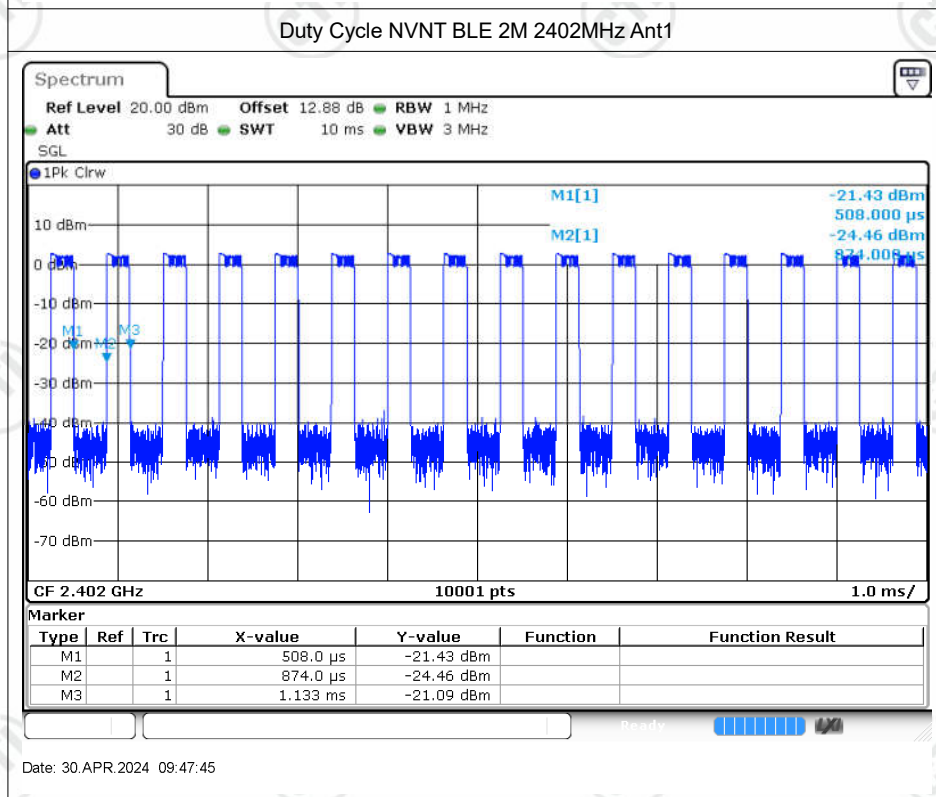
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	70.40	1.52	2.27
NVNT	BLE 1M	2440	Ant1	70.40	1.52	2.27
NVNT	BLE 1M	2480	Ant1	70.40	1.52	2.27
NVNT	BLE 2M	2402	Ant1	41.44	3.83	3.86
NVNT	BLE 2M	2440	Ant1	41.44	3.83	3.86
NVNT	BLE 2M	2480	Ant1	41.44	3.83	3.86

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

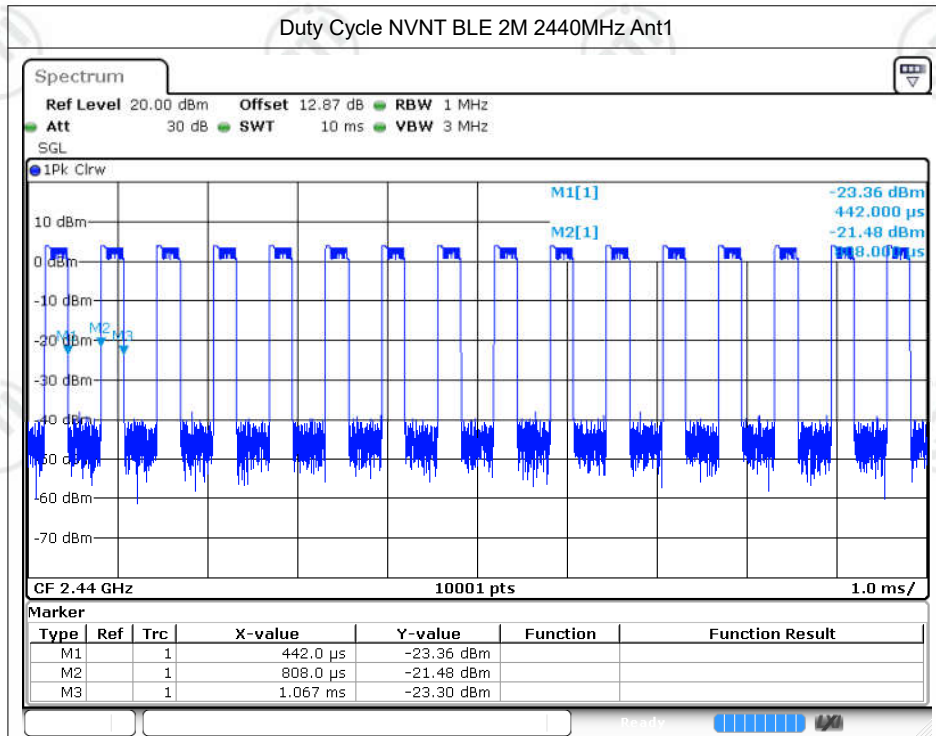




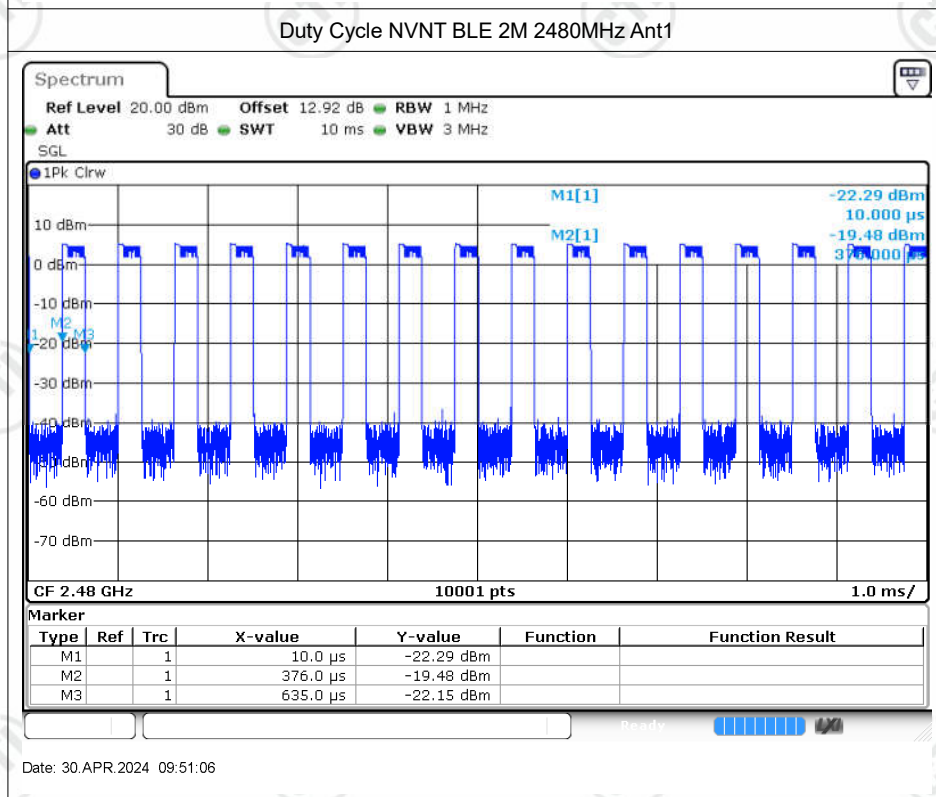
Date: 30.APR.2024 09:45:56



Date: 30.APR.2024 09:47:45



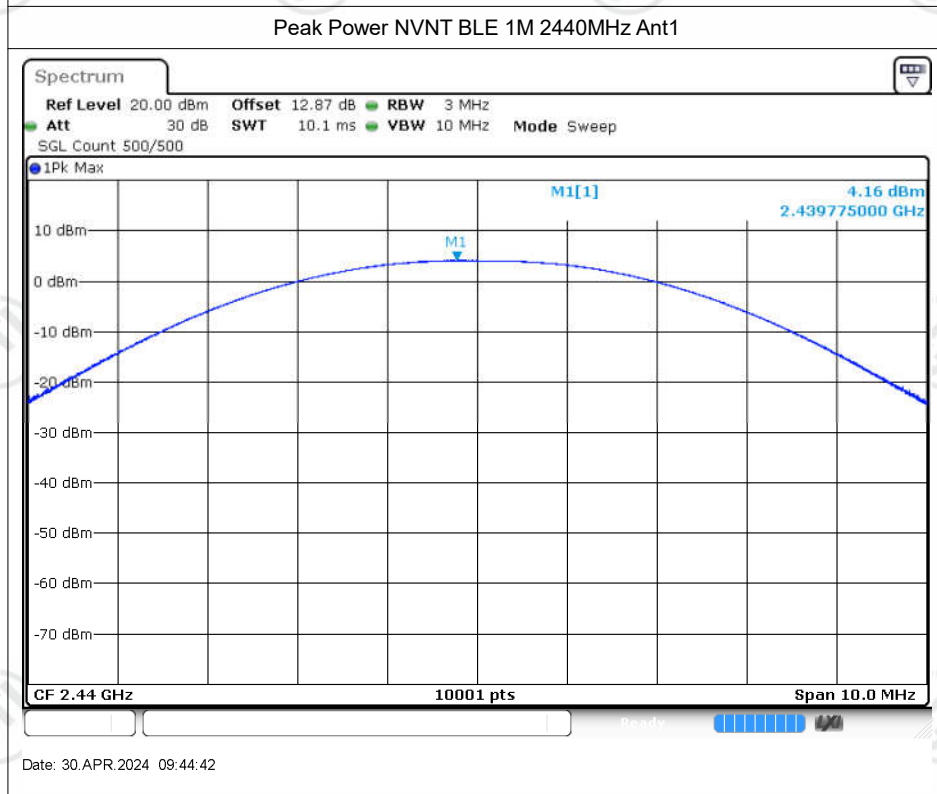
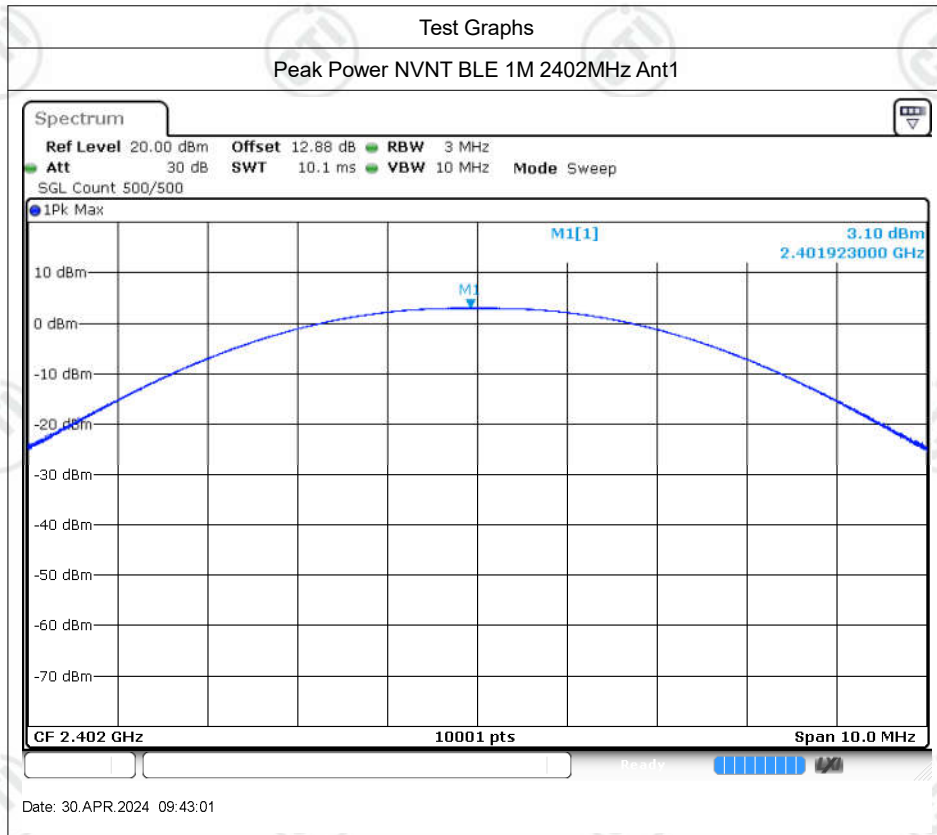
Date: 30.APR.2024 09:49:29

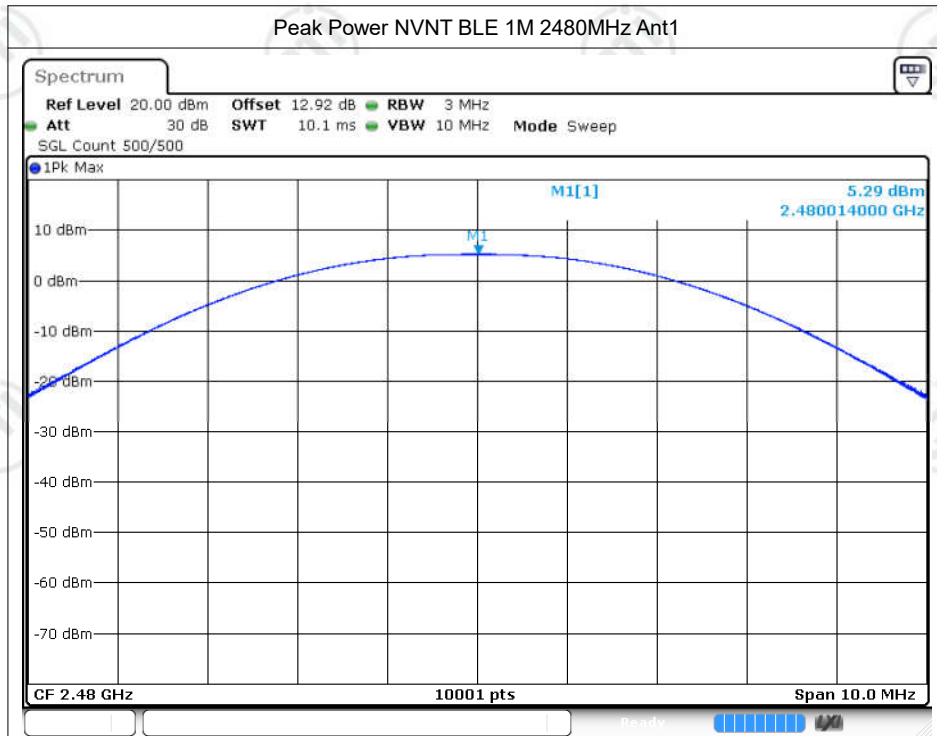


Date: 30.APR.2024 09:51:06

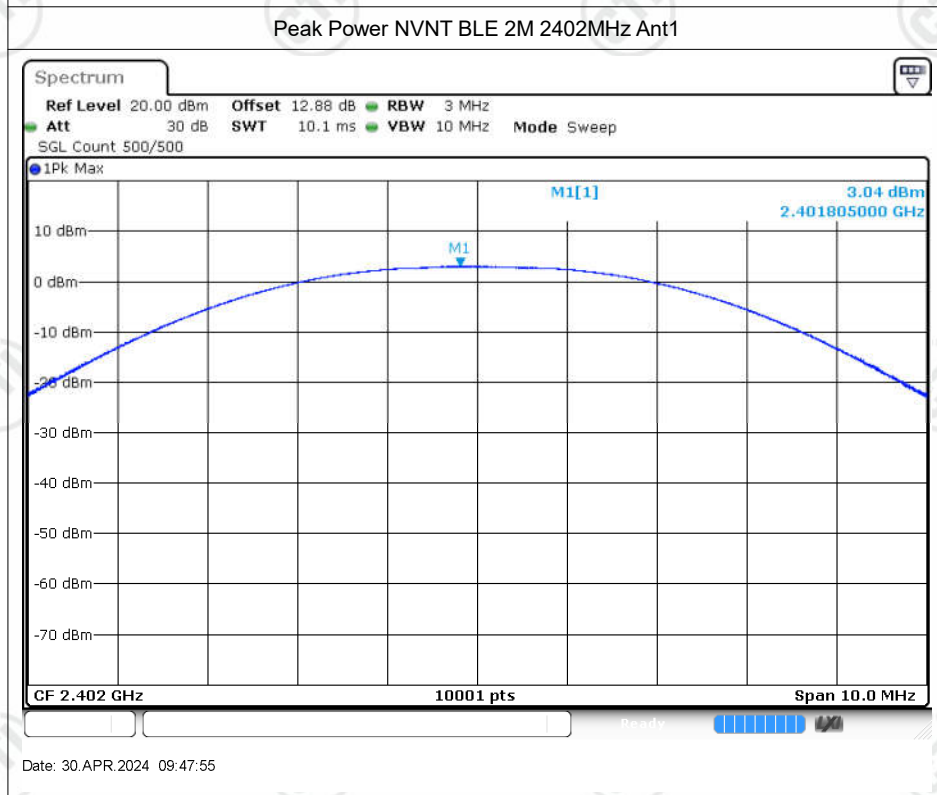
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	3.10	30	Pass
NVNT	BLE 1M	2440	Ant1	4.16	30	Pass
NVNT	BLE 1M	2480	Ant1	5.29	30	Pass
NVNT	BLE 2M	2402	Ant1	3.04	30	Pass
NVNT	BLE 2M	2440	Ant1	4.27	30	Pass
NVNT	BLE 2M	2480	Ant1	5.47	30	Pass

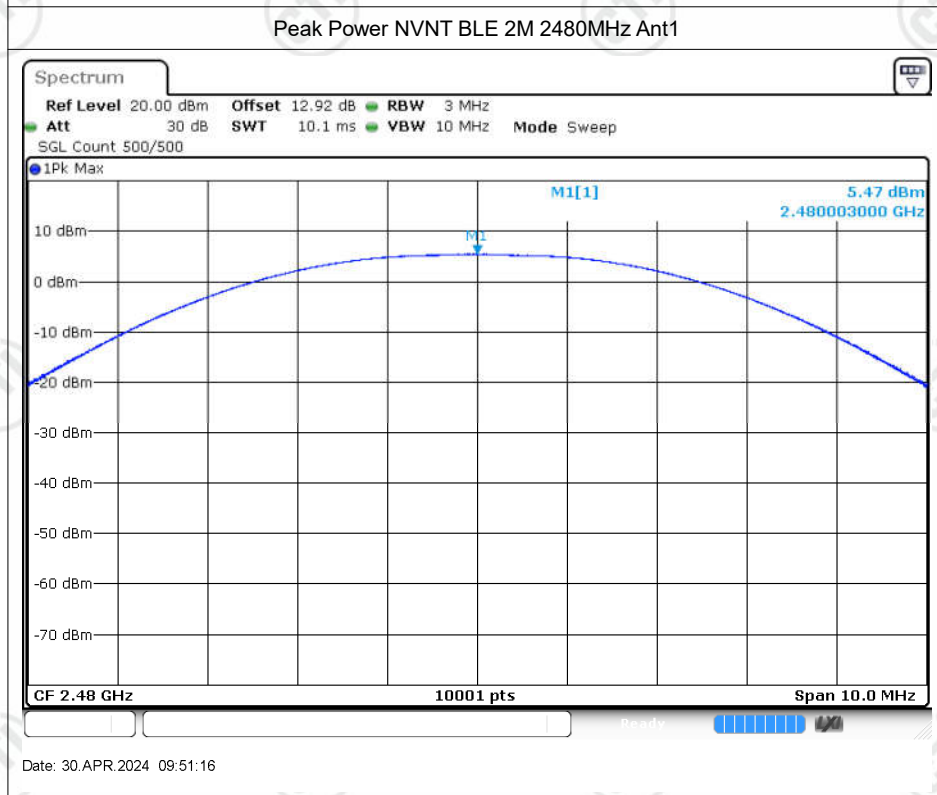
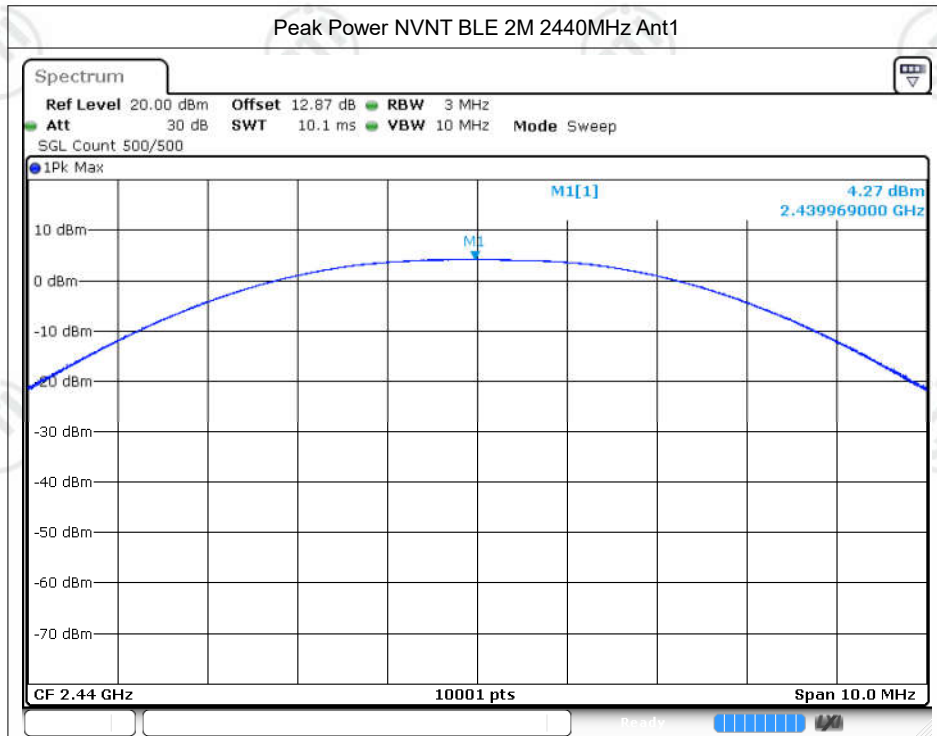




Date: 30.APR.2024 09:46:06

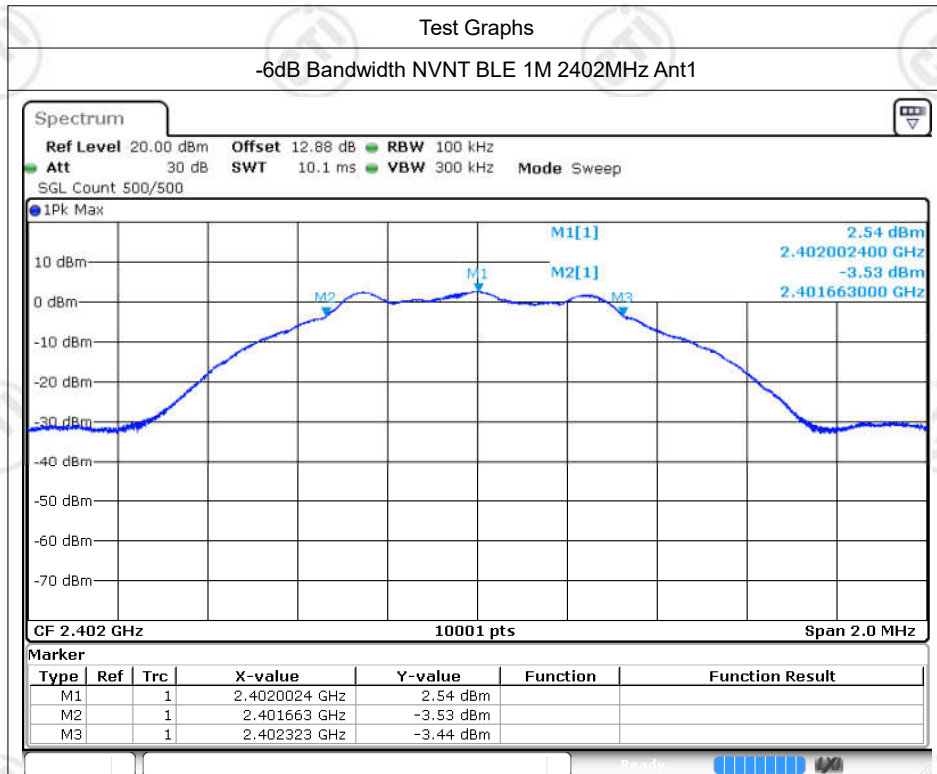


Date: 30.APR.2024 09:47:55

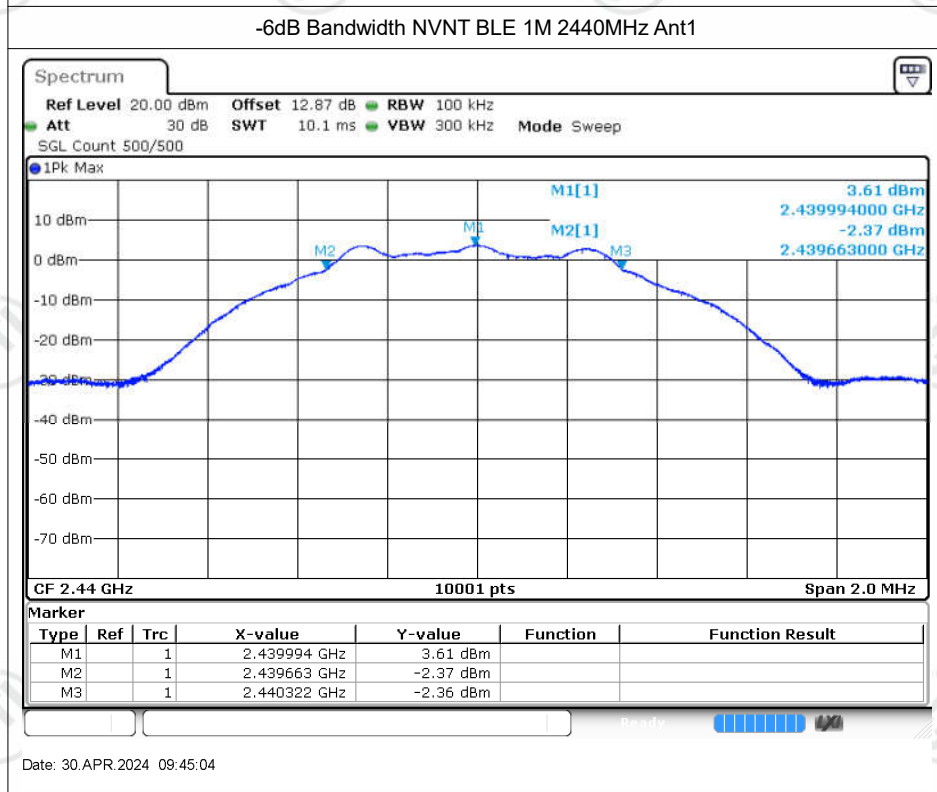


-6dB Bandwidth

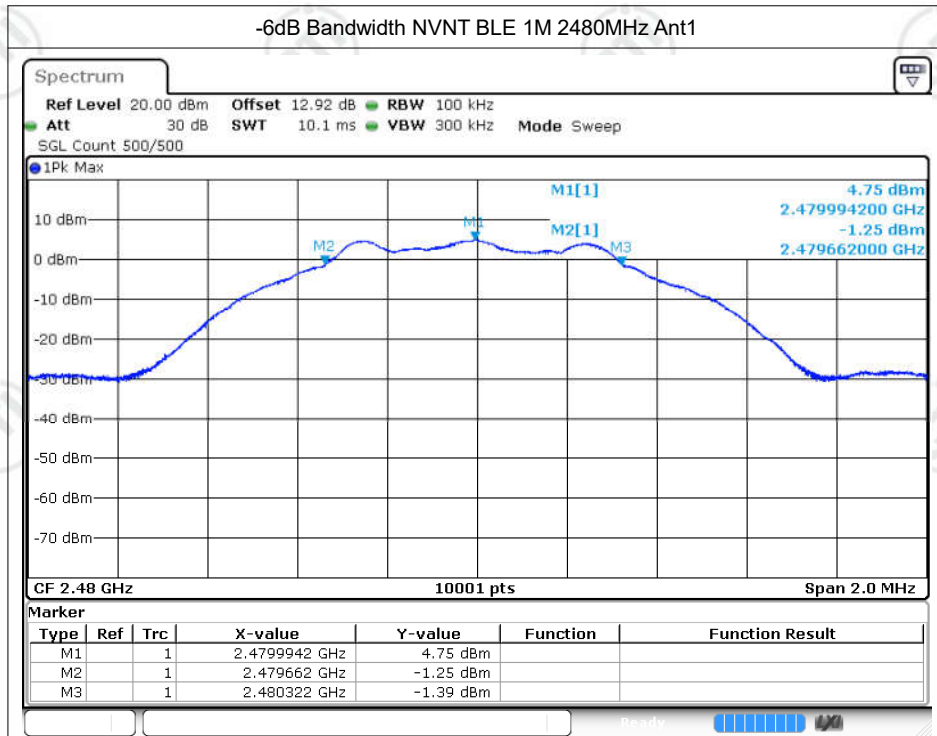
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.660	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.659	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.660	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.137	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.135	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.134	0.5	Pass



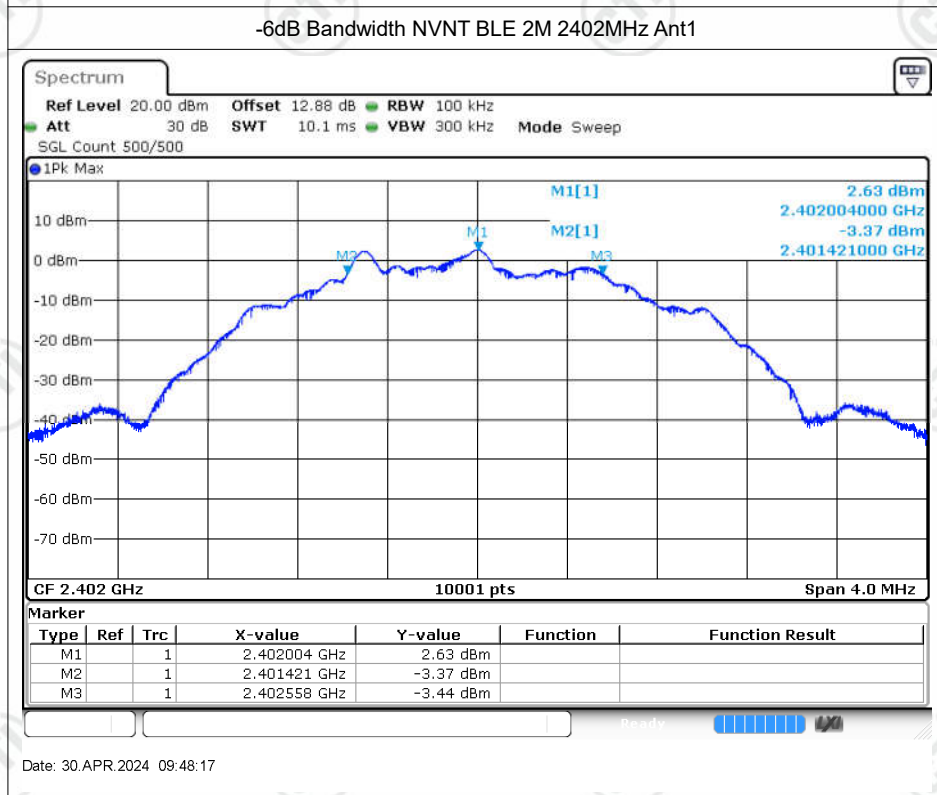
Date: 30.APR.2024 09:43:24



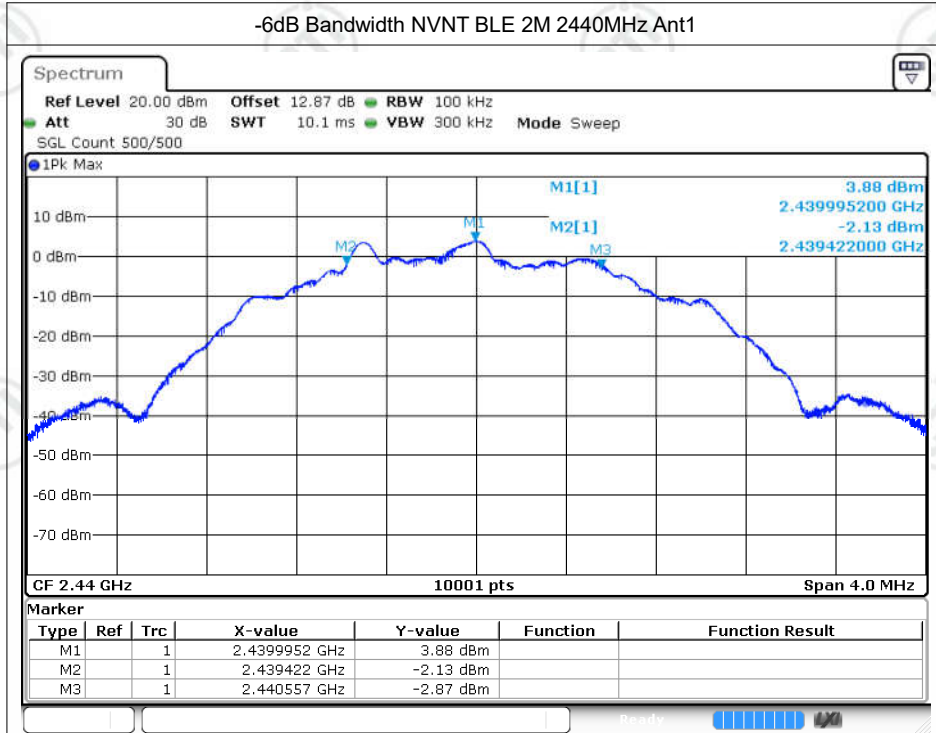
Date: 30.APR.2024 09:45:04



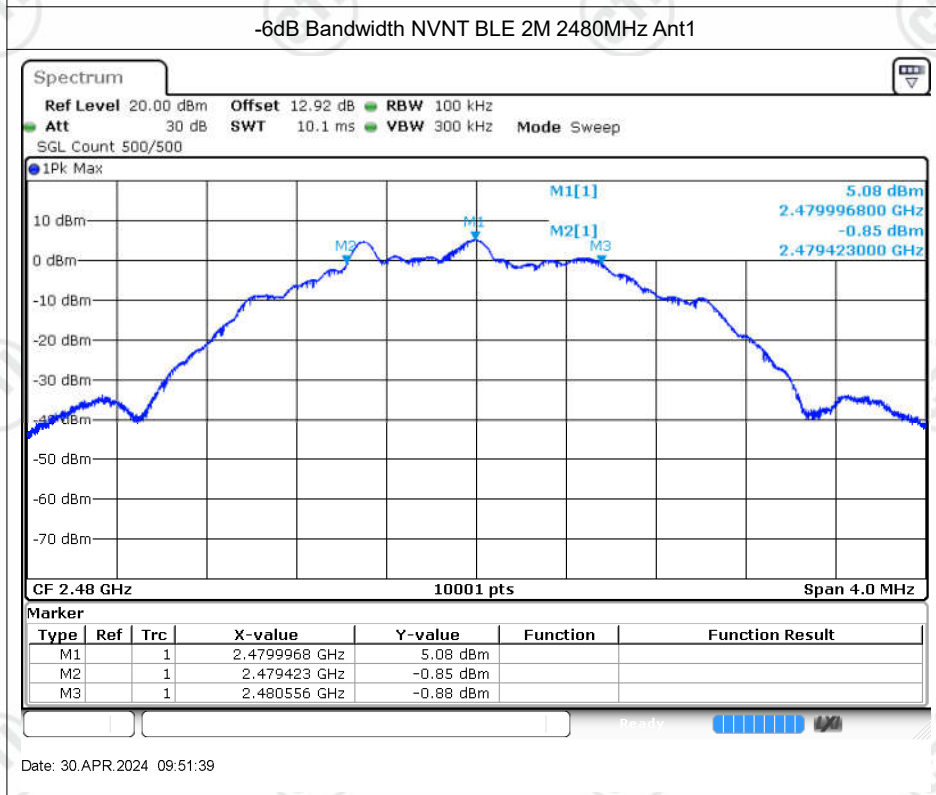
Date: 30.APR.2024 09:46:28



Date: 30.APR.2024 09:48:17



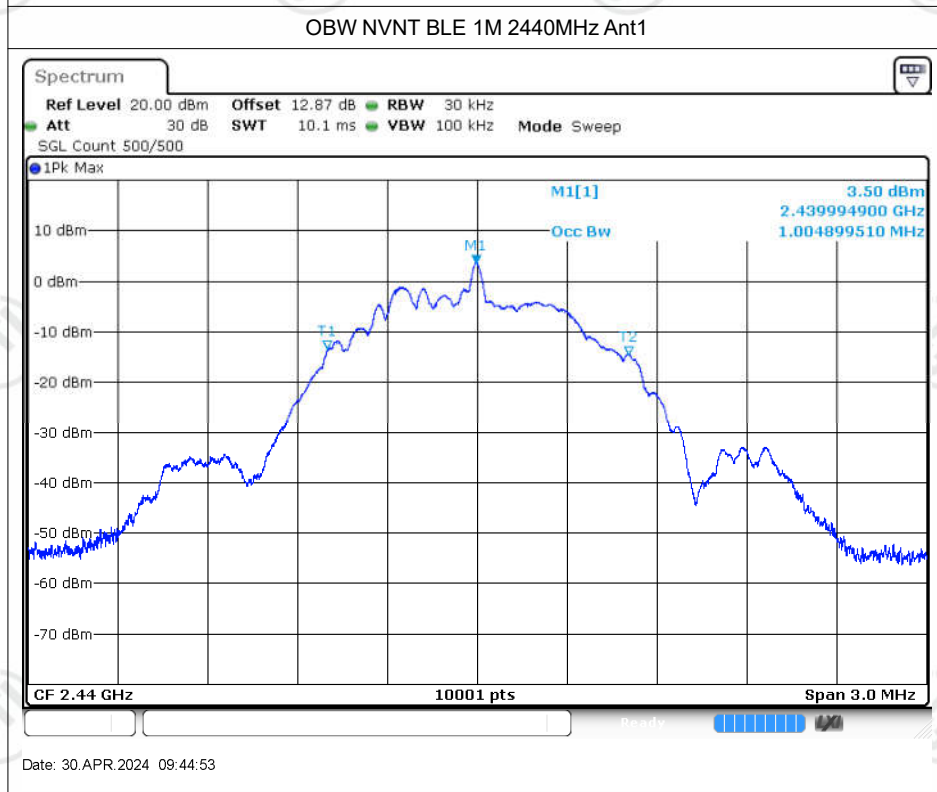
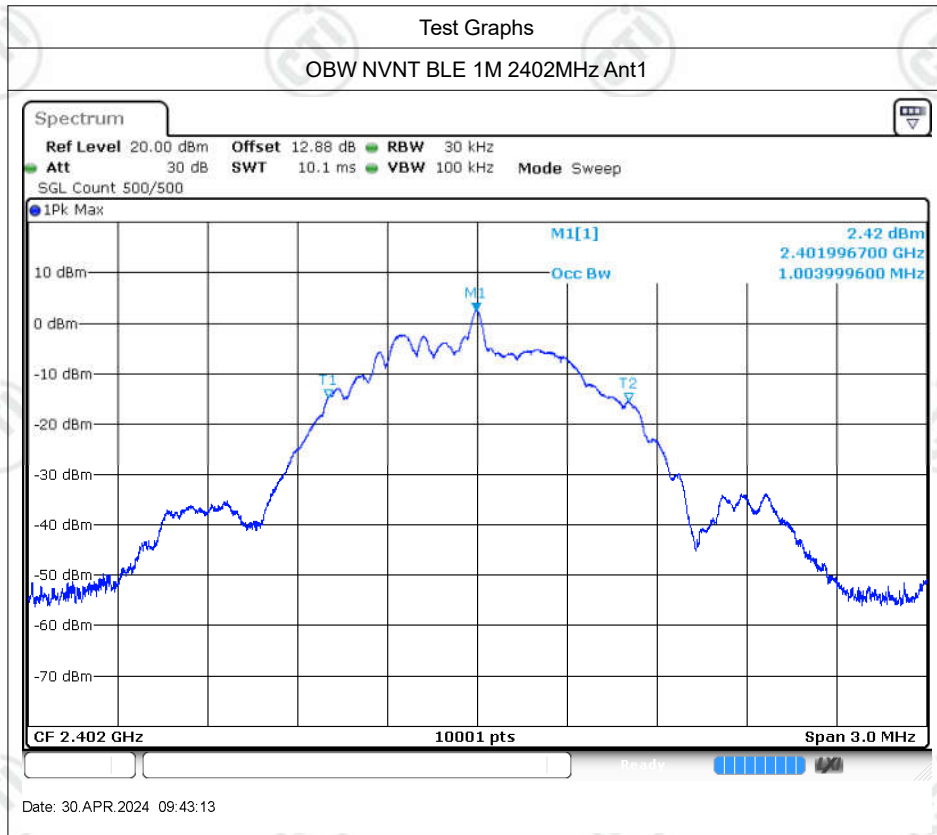
Date: 30.APR.2024 09:50:02

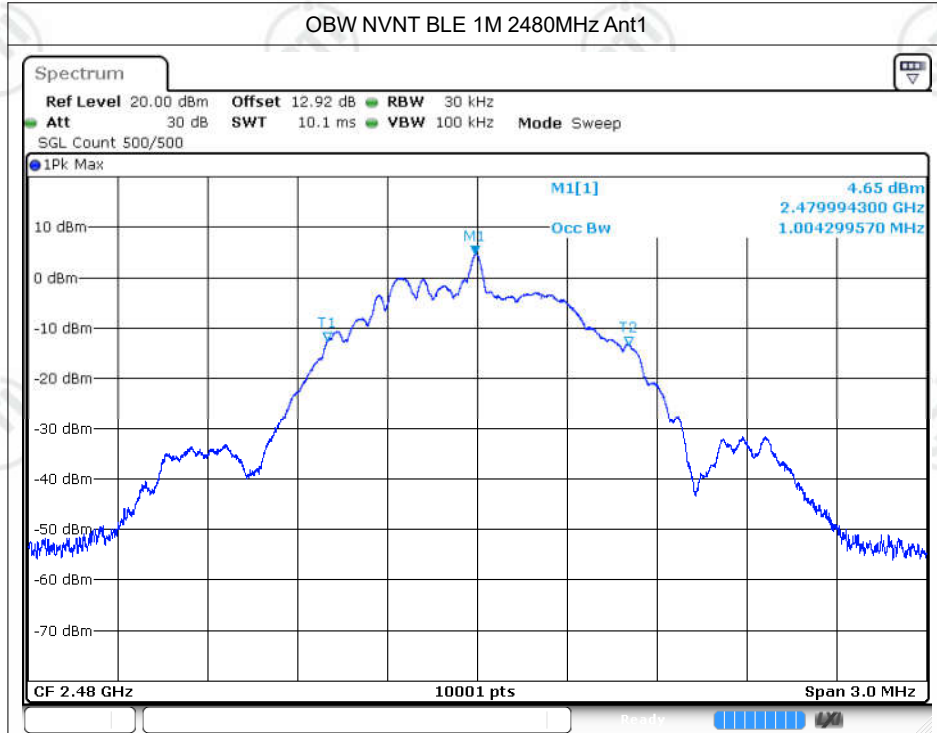


Date: 30.APR.2024 09:51:39

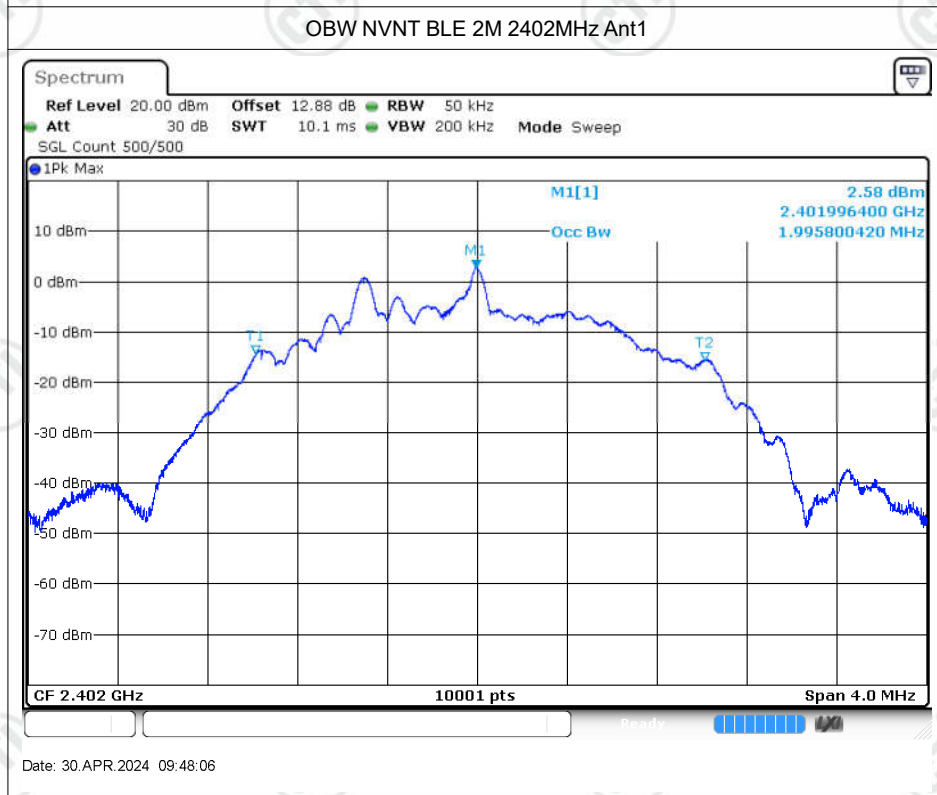
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.004
NVNT	BLE 1M	2440	Ant1	1.005
NVNT	BLE 1M	2480	Ant1	1.004
NVNT	BLE 2M	2402	Ant1	1.996
NVNT	BLE 2M	2440	Ant1	1.993
NVNT	BLE 2M	2480	Ant1	1.993

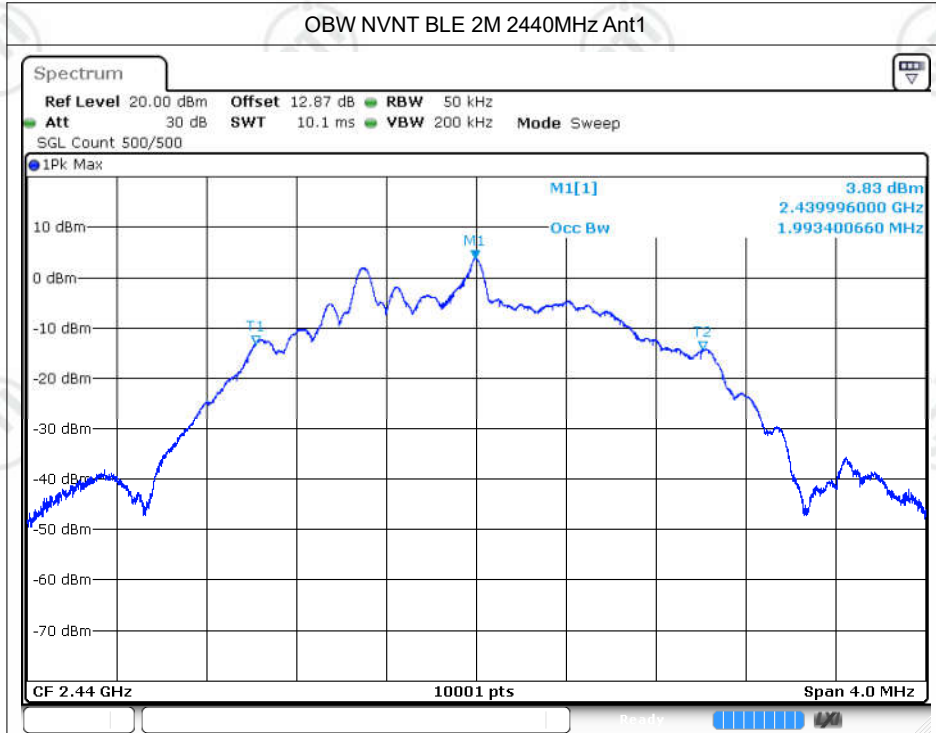




Date: 30.APR.2024 09:46:17



Date: 30.APR.2024 09:48:06



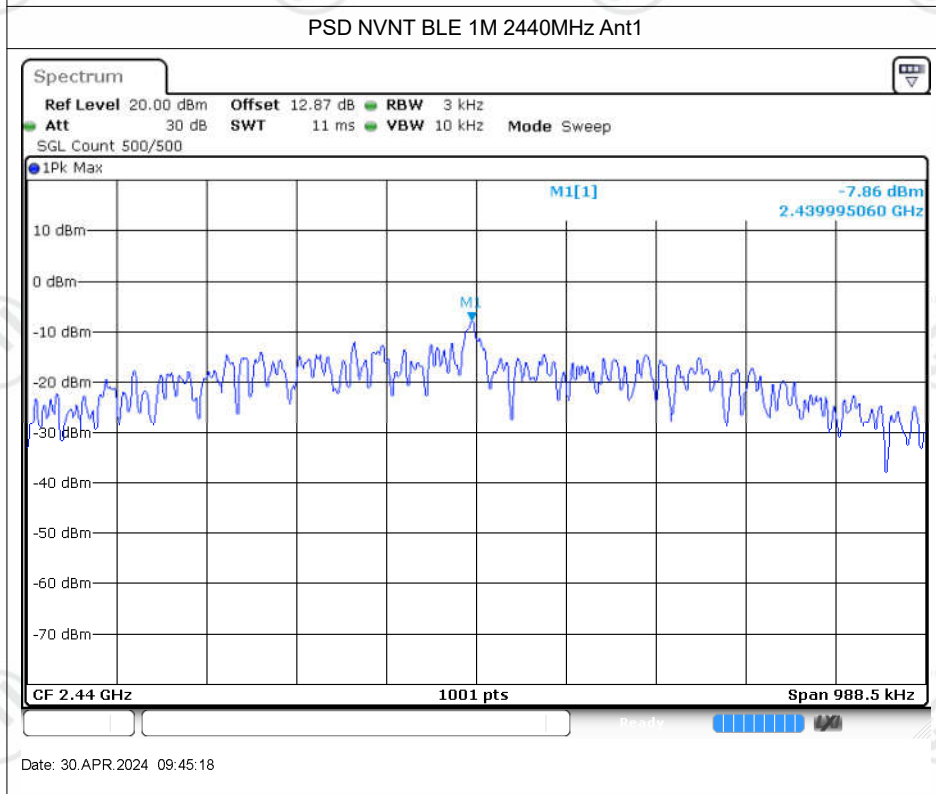
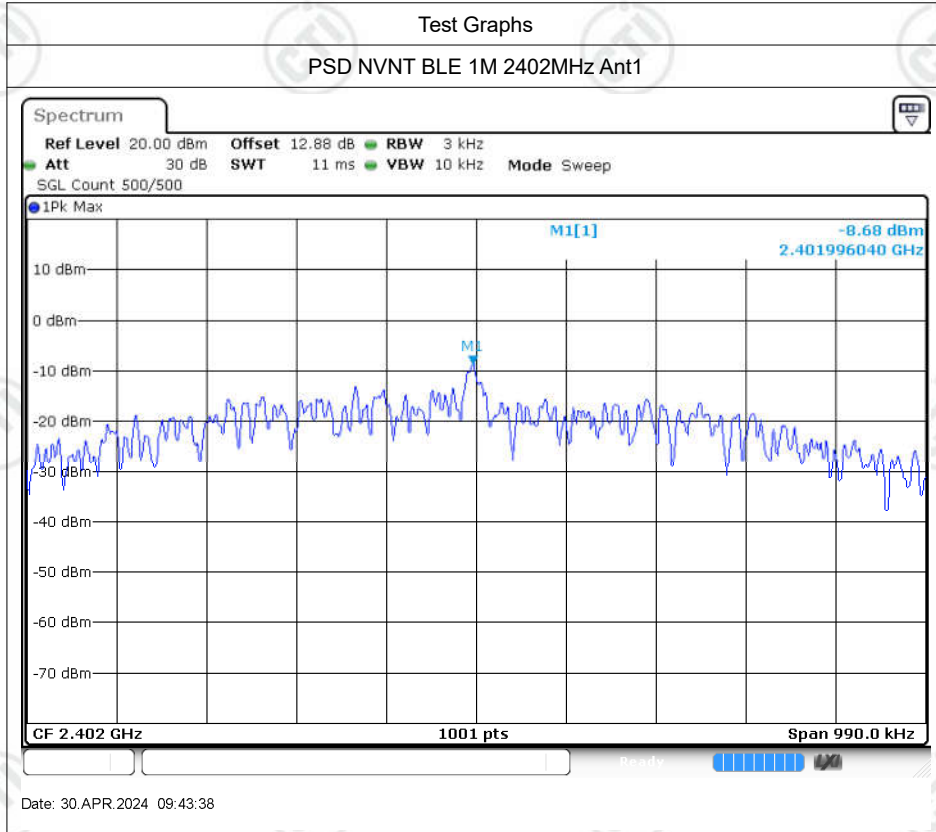
Date: 30.APR.2024 09:49:50

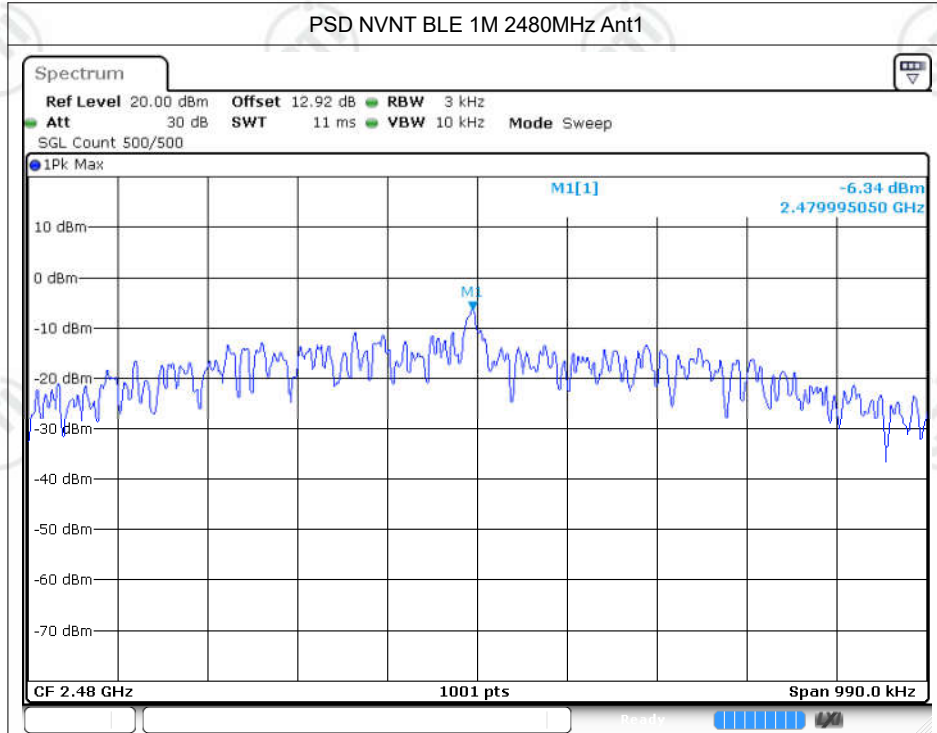


Date: 30.APR.2024 09:51:27

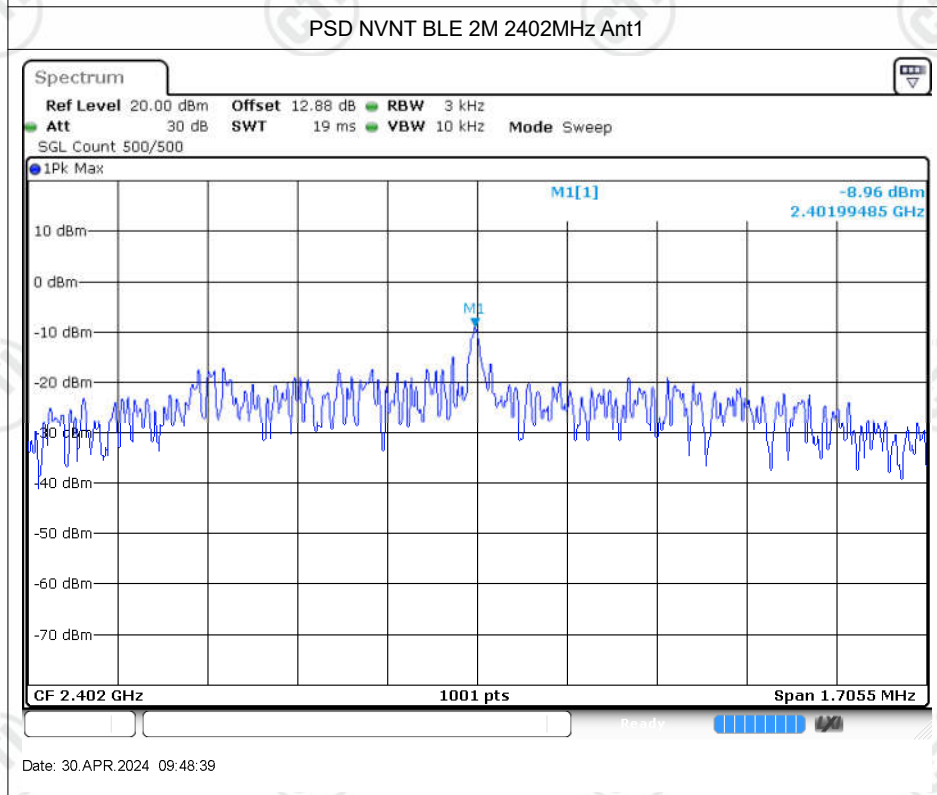
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-8.68	8	Pass
NVNT	BLE 1M	2440	Ant1	-7.86	8	Pass
NVNT	BLE 1M	2480	Ant1	-6.34	8	Pass
NVNT	BLE 2M	2402	Ant1	-8.96	8	Pass
NVNT	BLE 2M	2440	Ant1	-7.87	8	Pass
NVNT	BLE 2M	2480	Ant1	-6.35	8	Pass

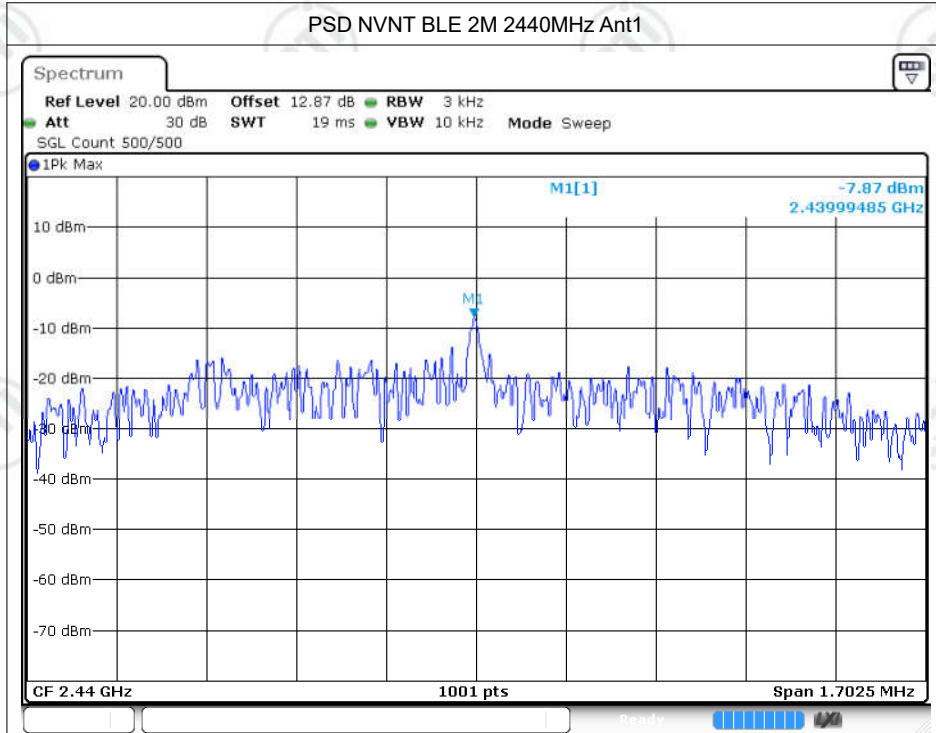




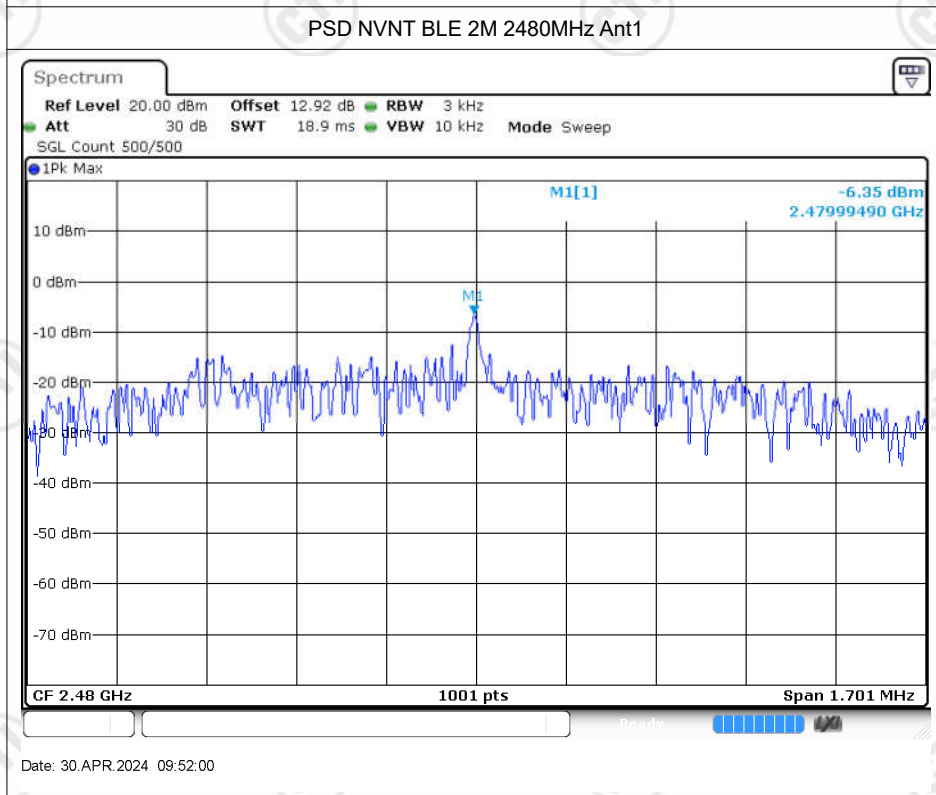
Date: 30.APR.2024 09:46:42



Date: 30.APR.2024 09:48:39



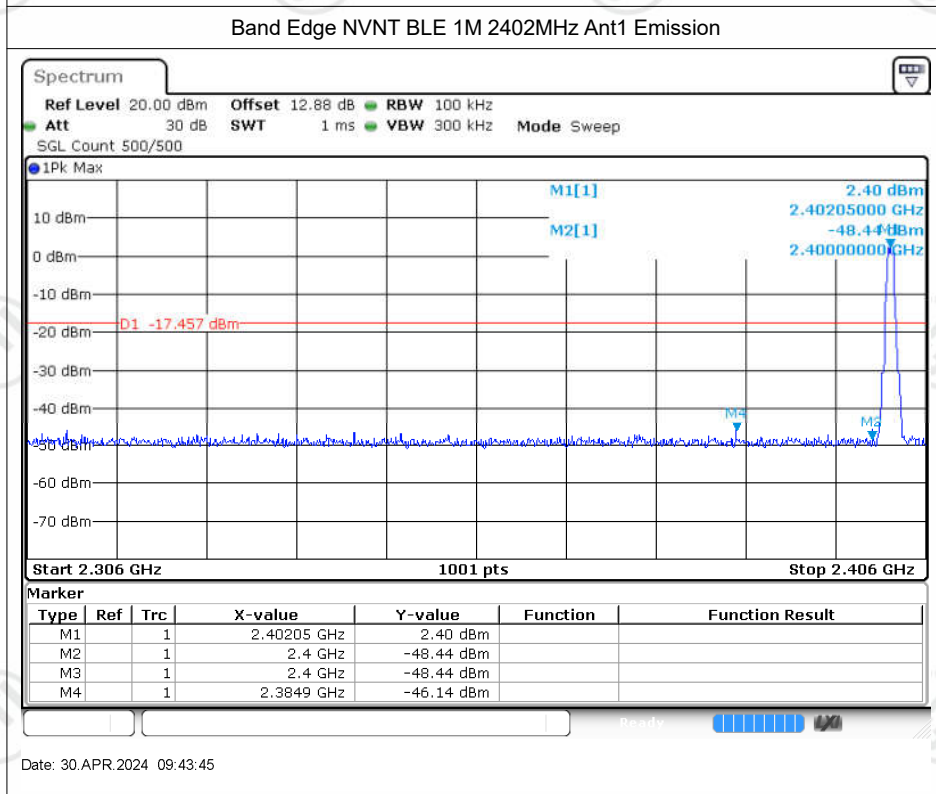
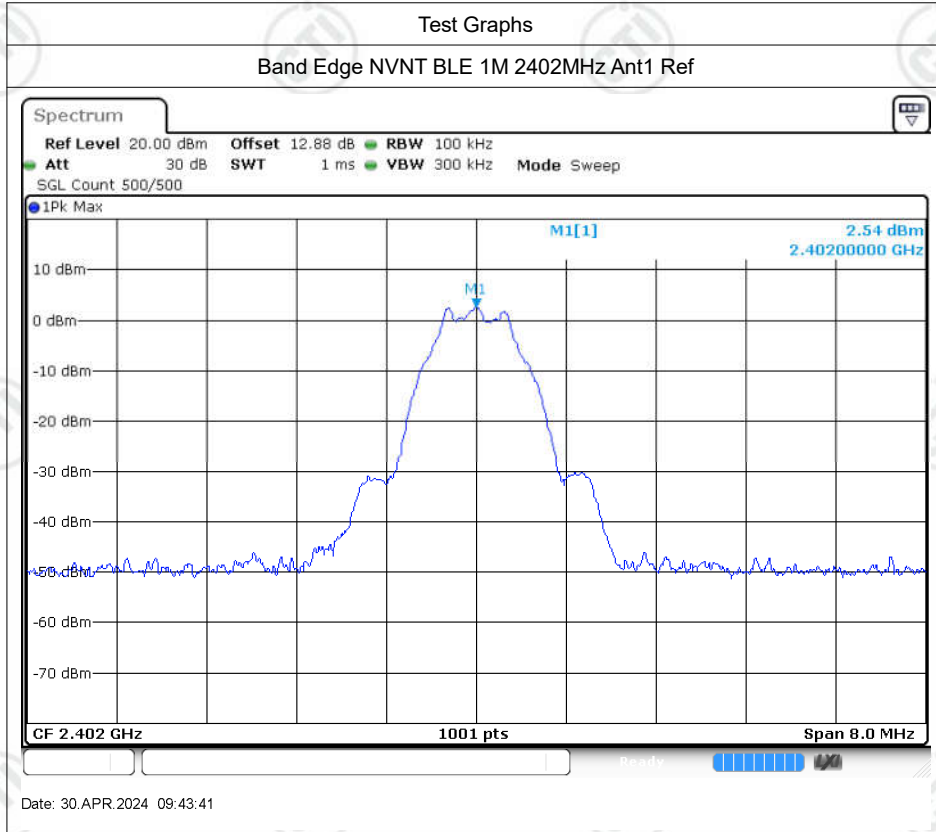
Date: 30.APR.2024 09:50:23

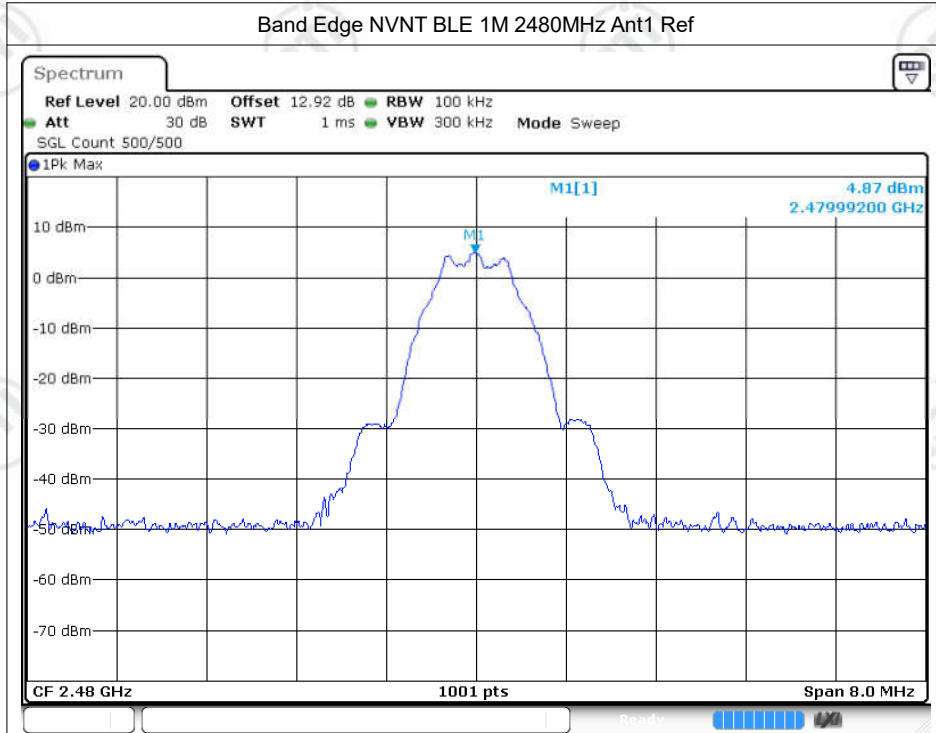


Date: 30.APR.2024 09:52:00

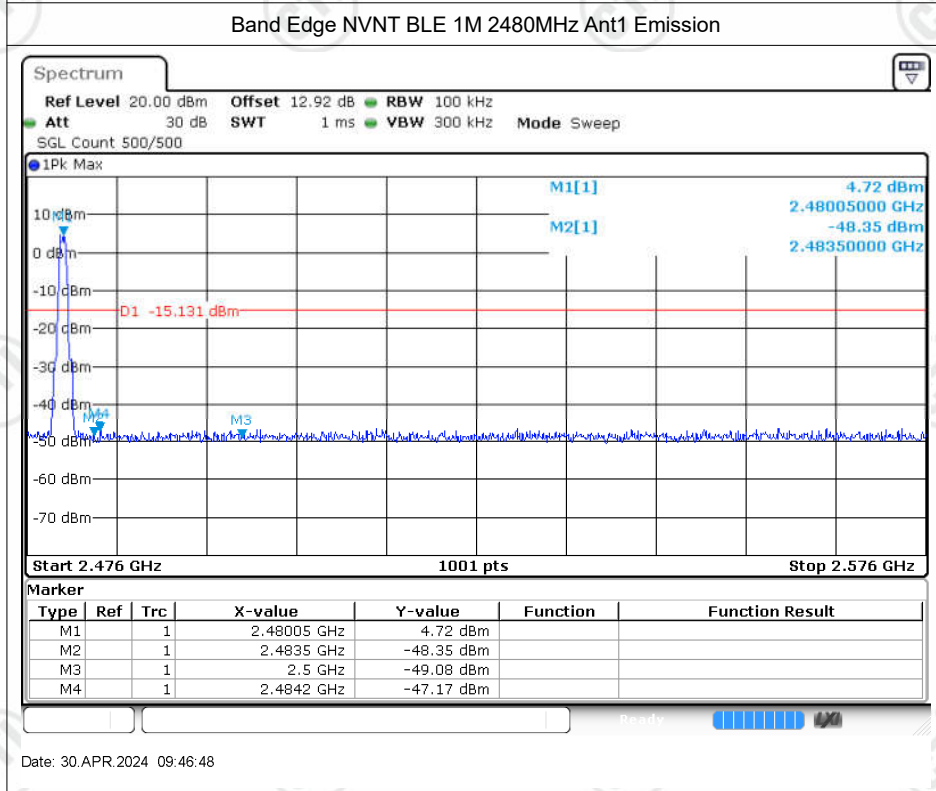
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-48.67	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.04	-20	Pass
NVNT	BLE 2M	2402	Ant1	-49.17	-20	Pass
NVNT	BLE 2M	2480	Ant1	-51.95	-20	Pass

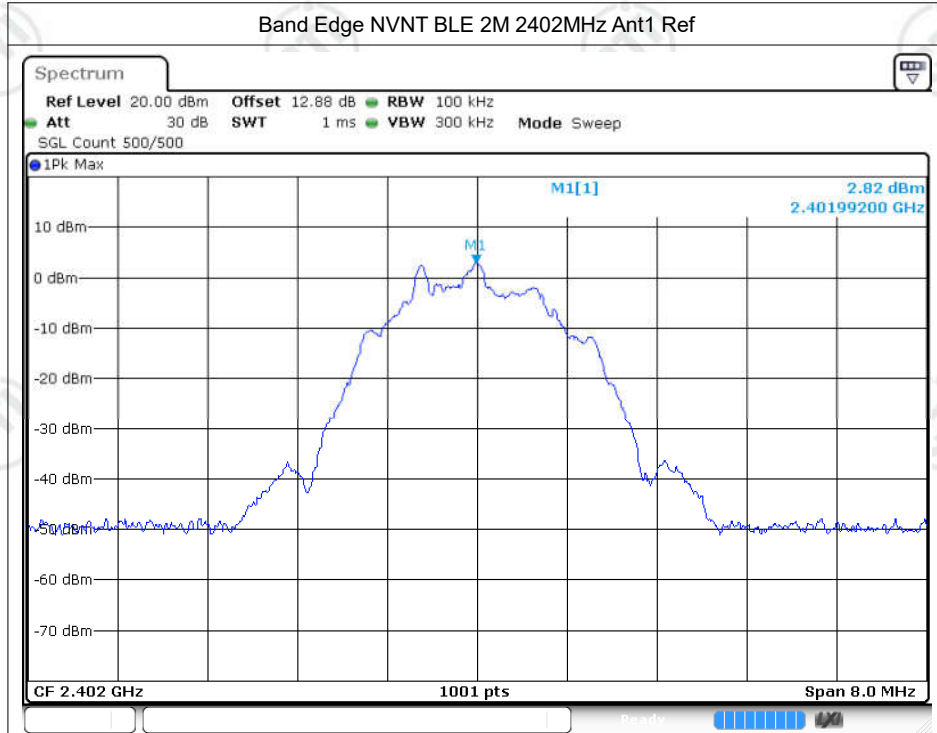




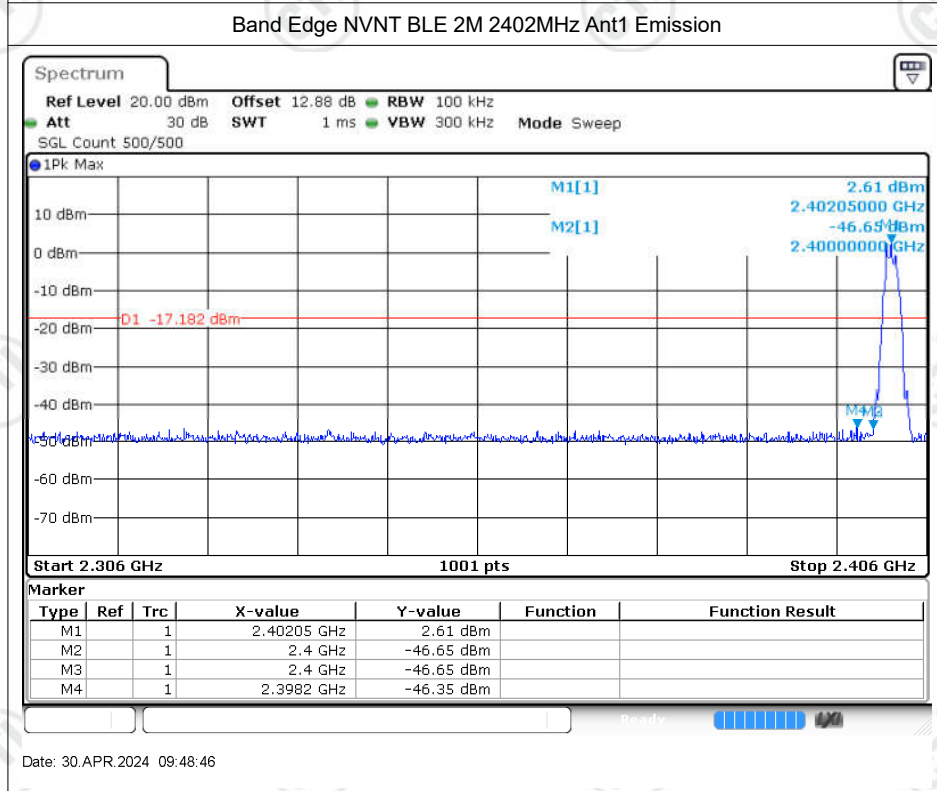
Date: 30.APR.2024 09:46:46



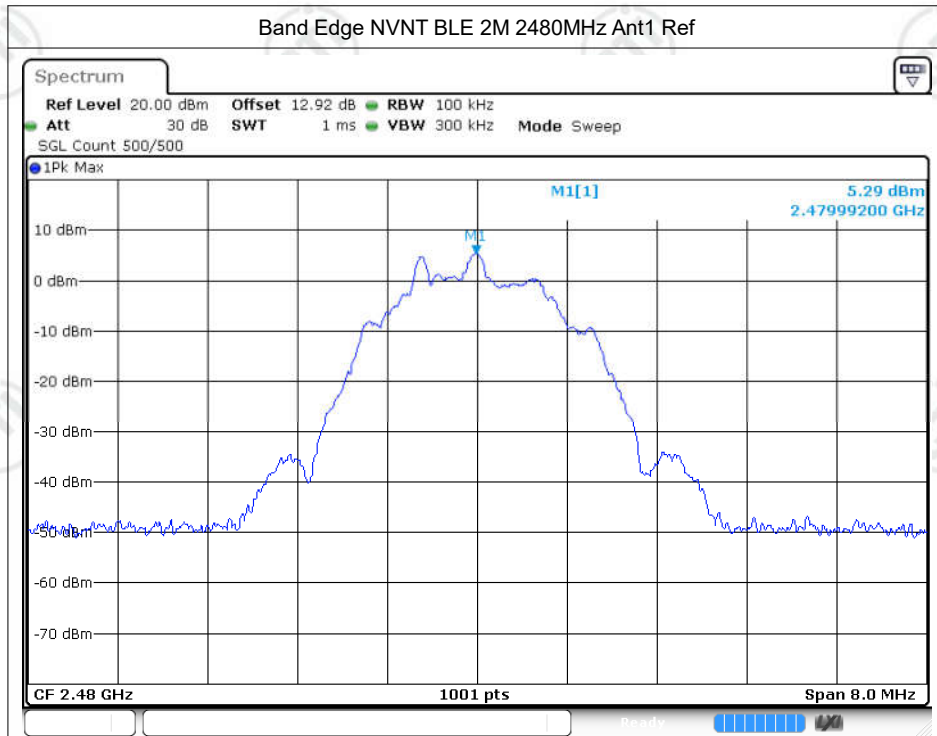
Date: 30.APR.2024 09:46:48



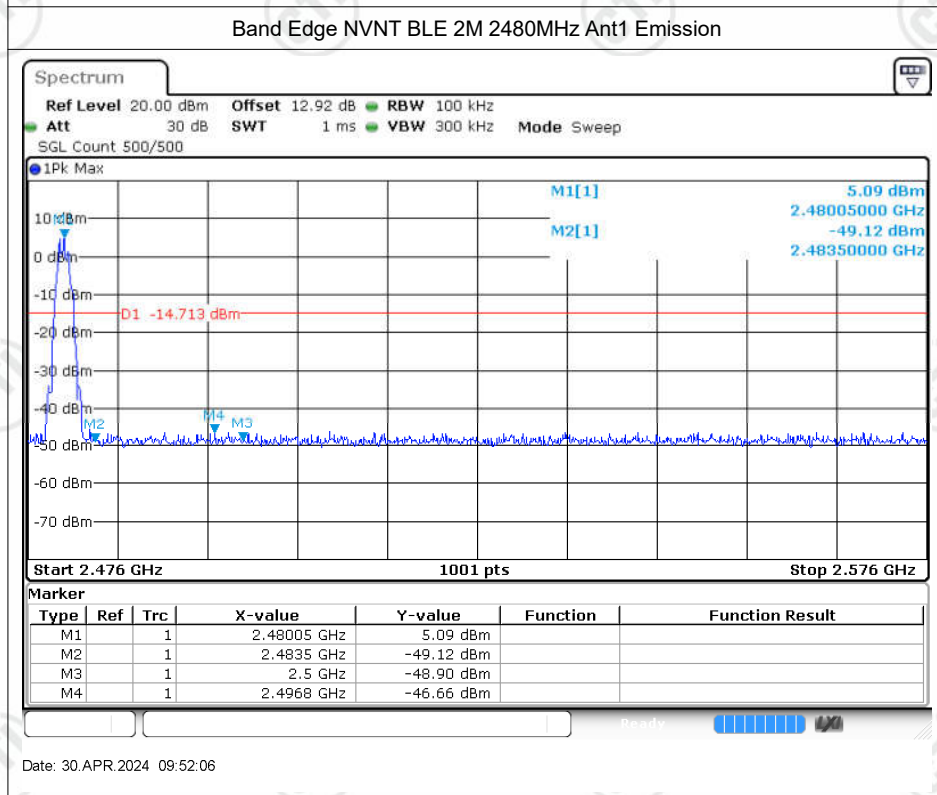
Date: 30.APR.2024 09:48:42



Date: 30.APR.2024 09:48:46



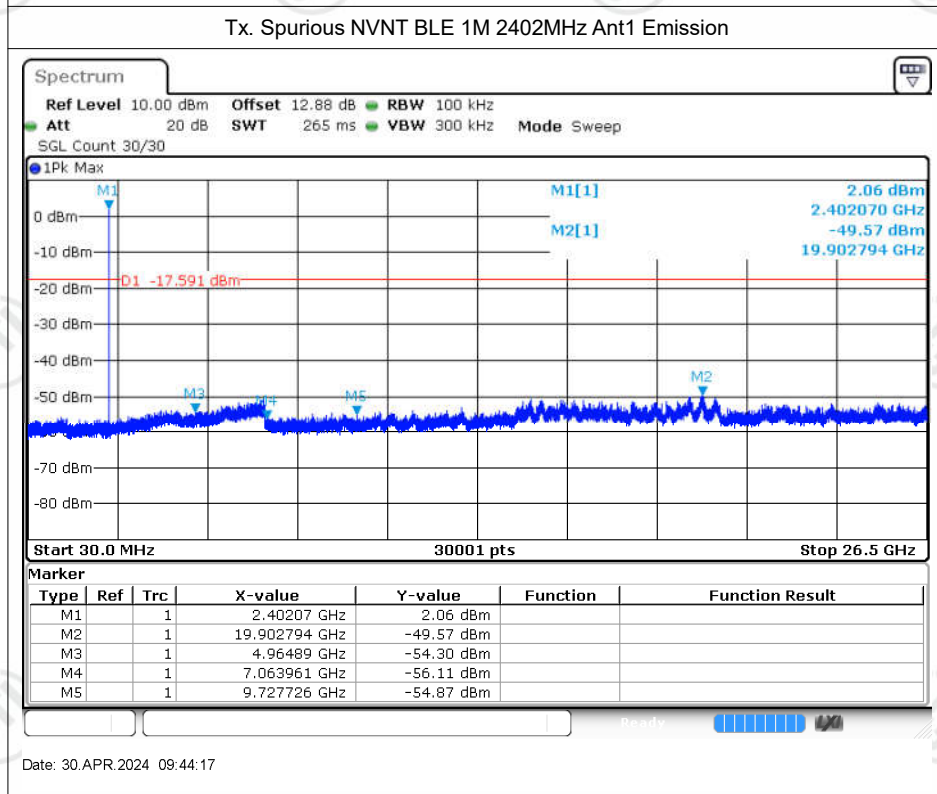
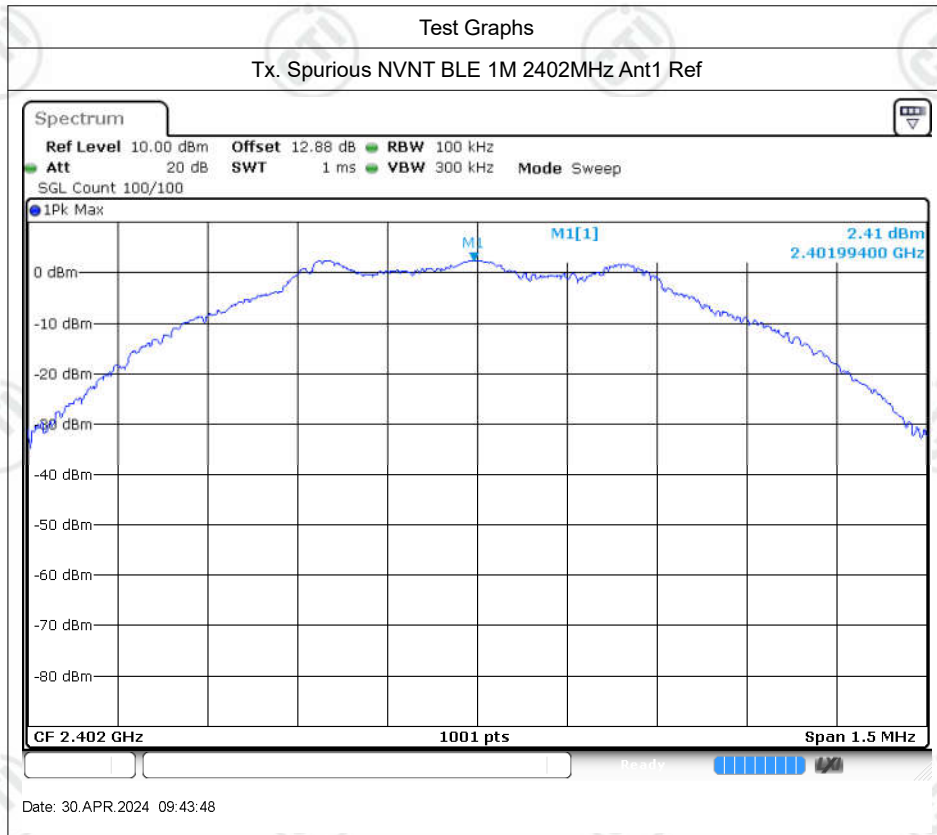
Date: 30.APR.2024 09:52:04

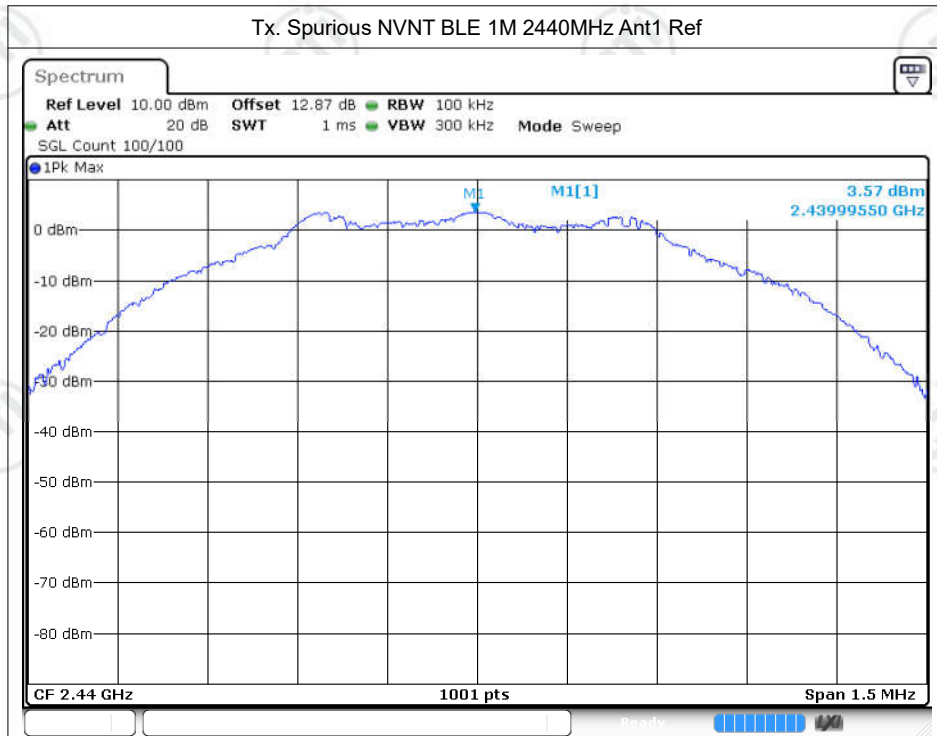


Date: 30.APR.2024 09:52:06

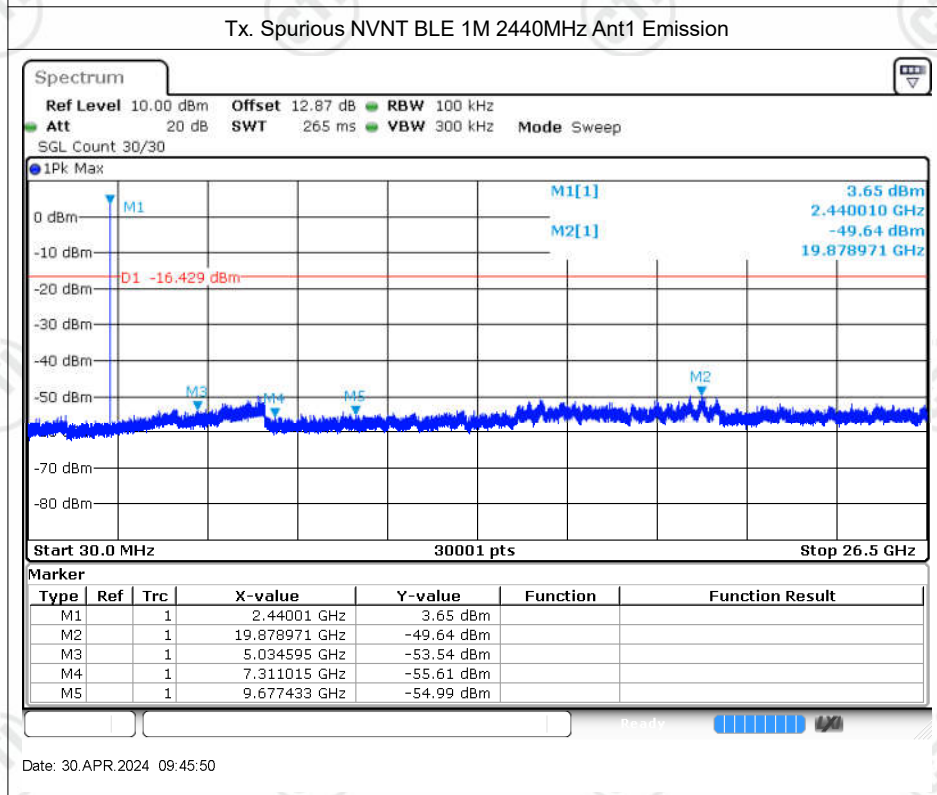
Conducted RF Spurious Emission

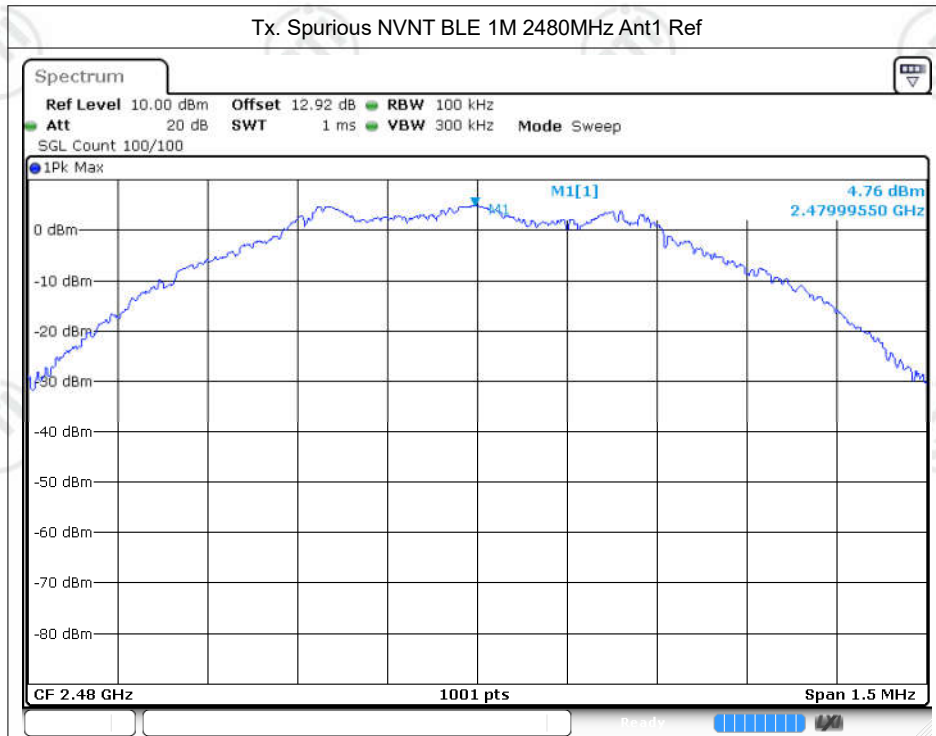
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-51.98	-20	Pass
NVNT	BLE 1M	2440	Ant1	-53.21	-20	Pass
NVNT	BLE 1M	2480	Ant1	-54.69	-20	Pass
NVNT	BLE 2M	2402	Ant1	-52.20	-20	Pass
NVNT	BLE 2M	2440	Ant1	-53.73	-20	Pass
NVNT	BLE 2M	2480	Ant1	-55.06	-20	Pass



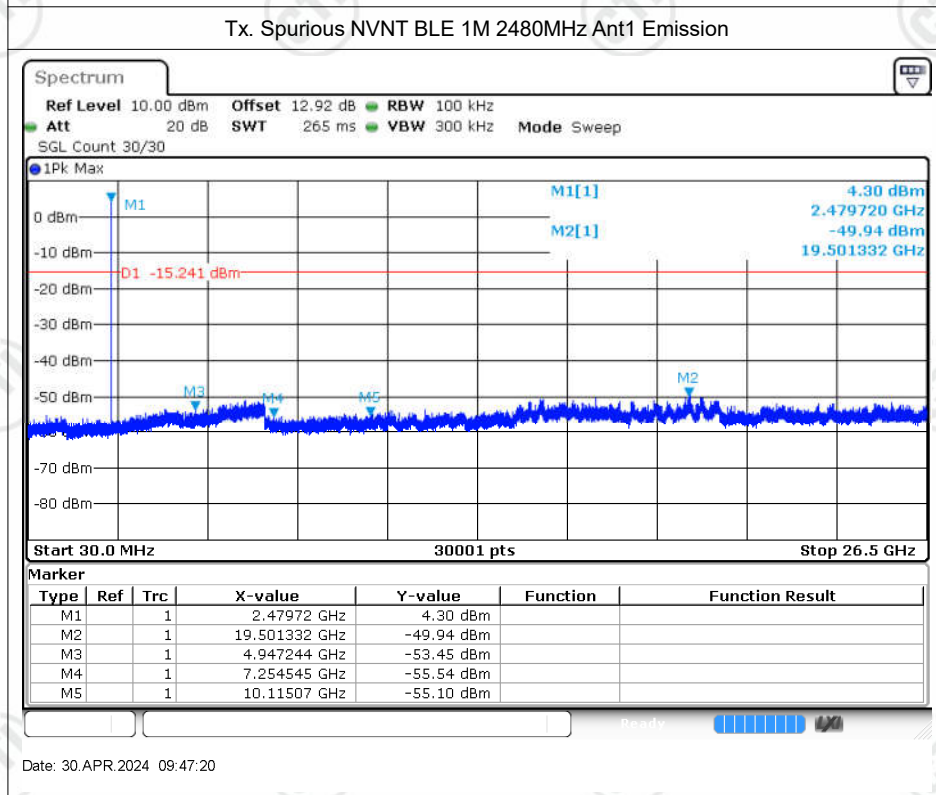


Date: 30.APR.2024 09:45:21

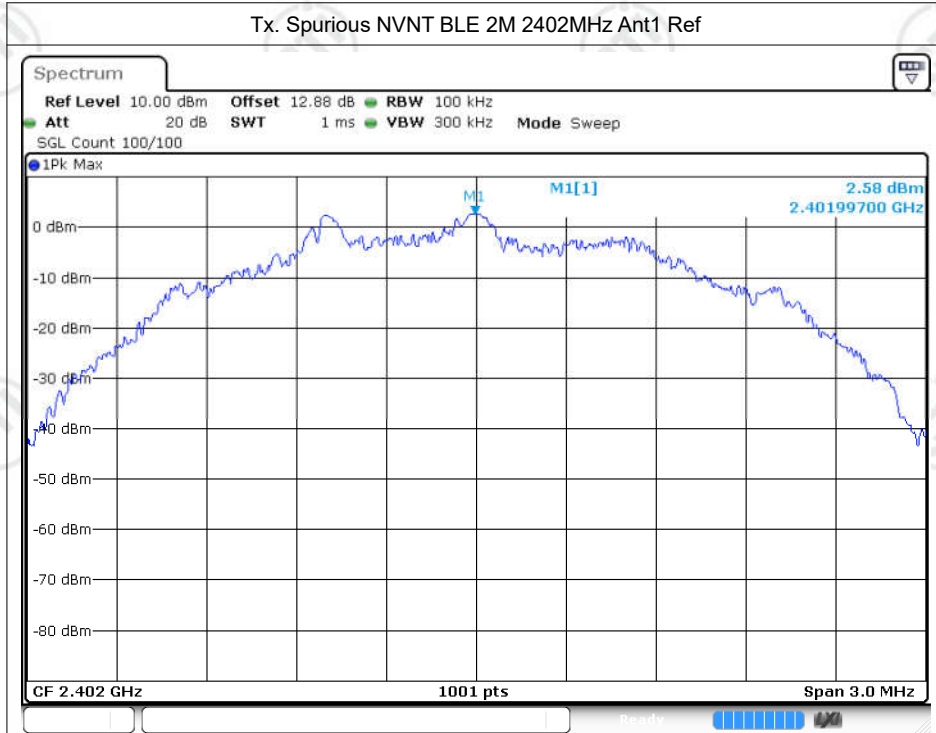




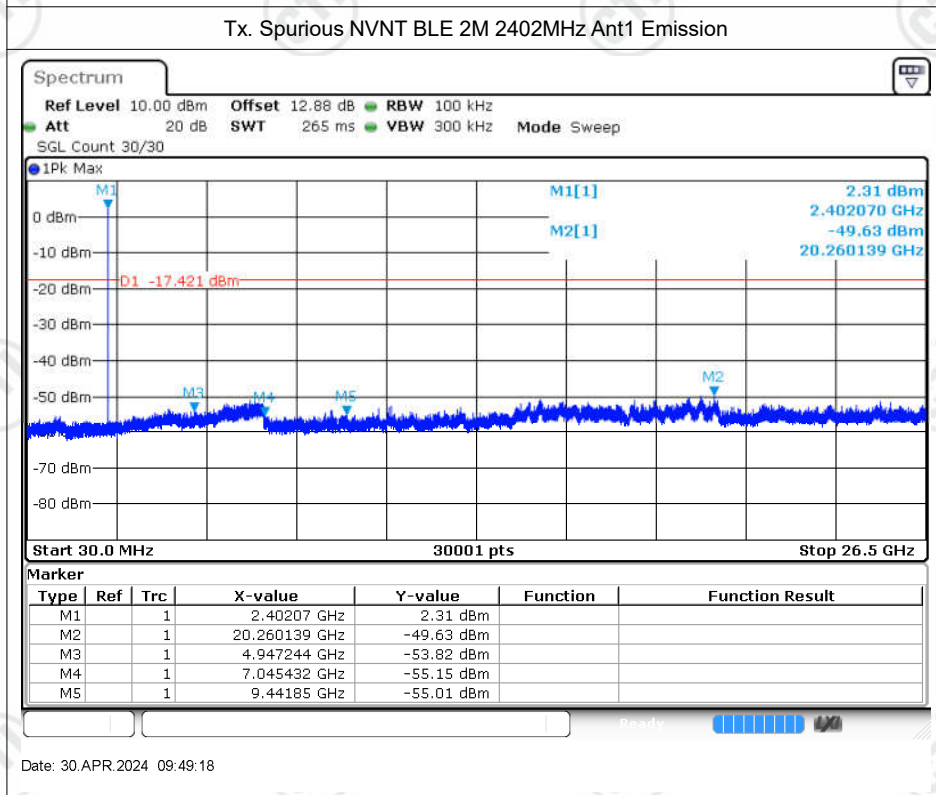
Date: 30.APR.2024 09:46:51



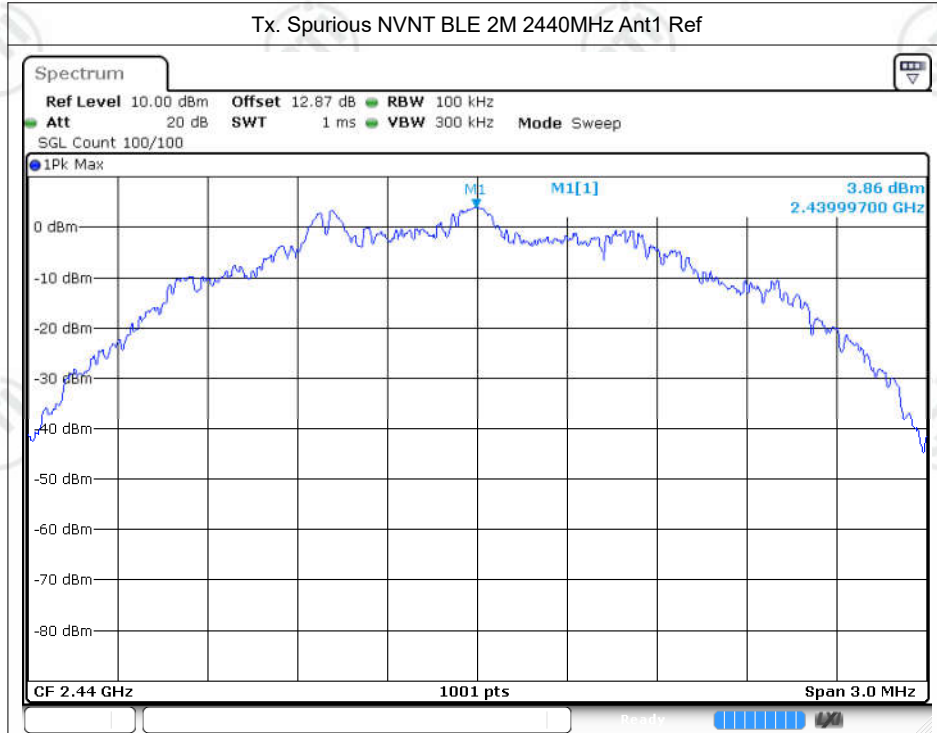
Date: 30.APR.2024 09:47:20



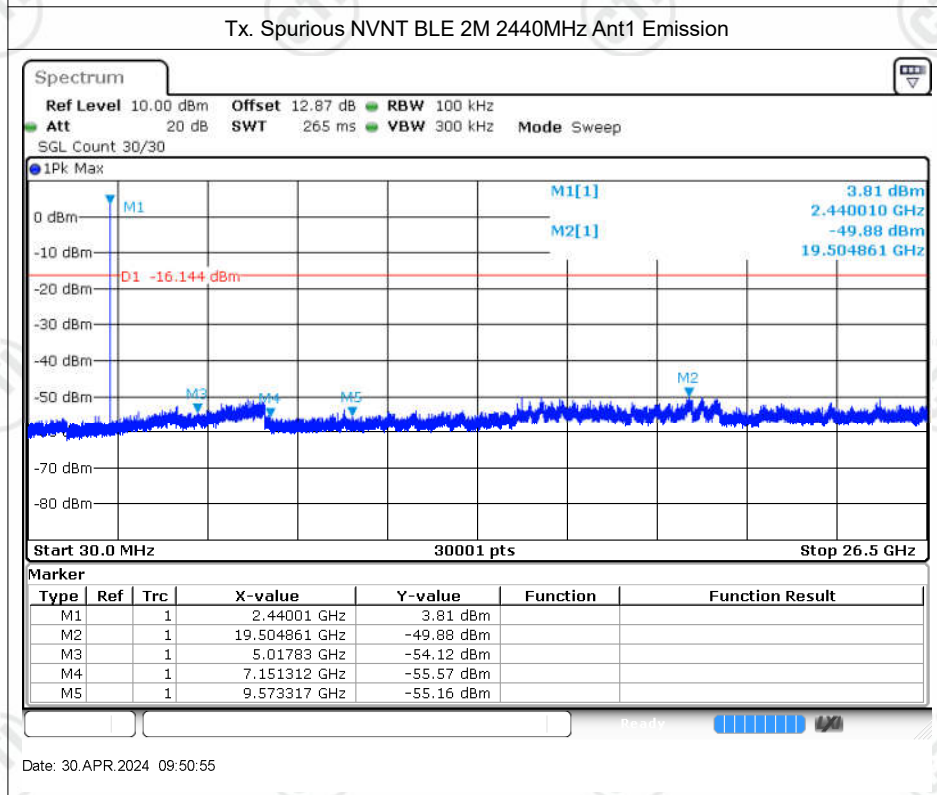
Date: 30.APR.2024 09:48:49

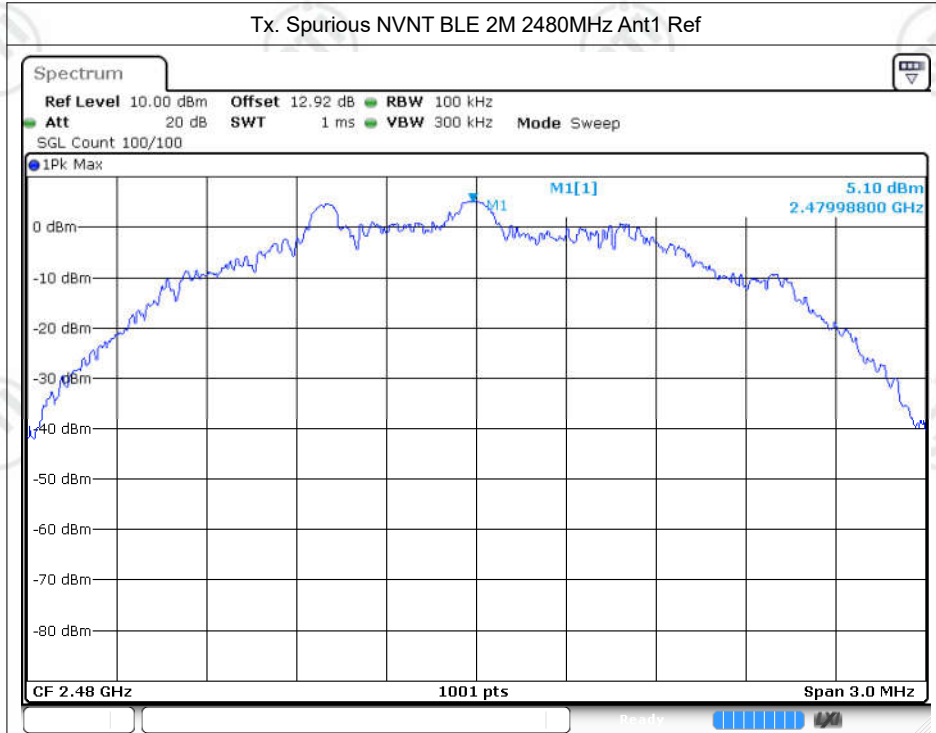


Date: 30.APR.2024 09:49:18

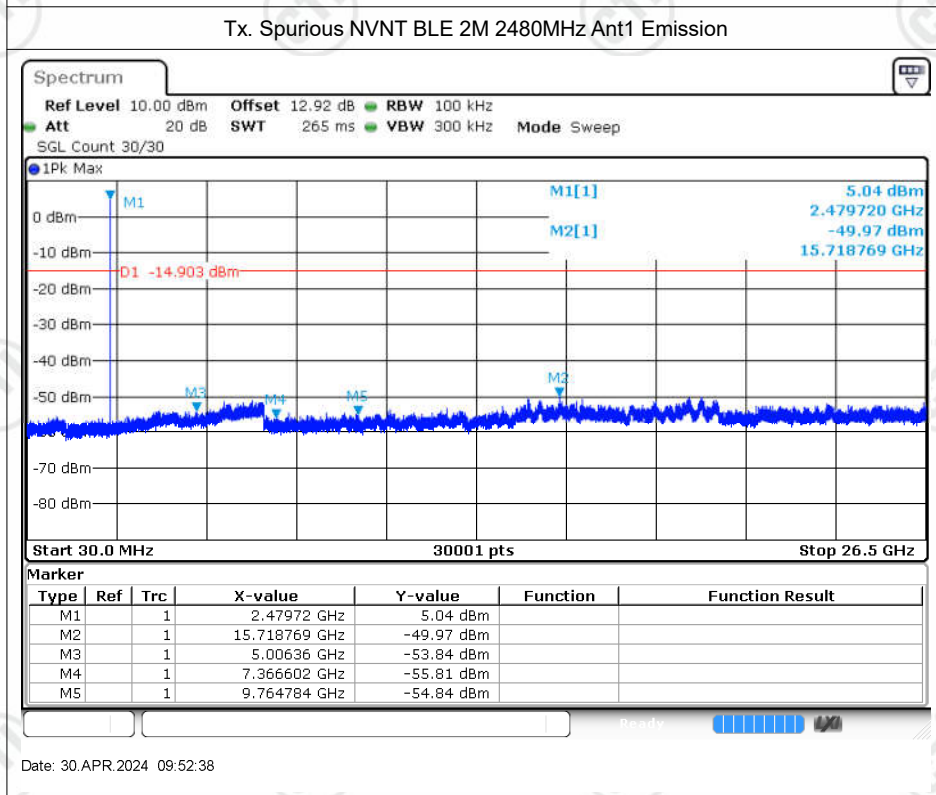


Date: 30.APR.2024 09:50:26





Date: 30.APR.2024 09:52:09



END OF REPORT