

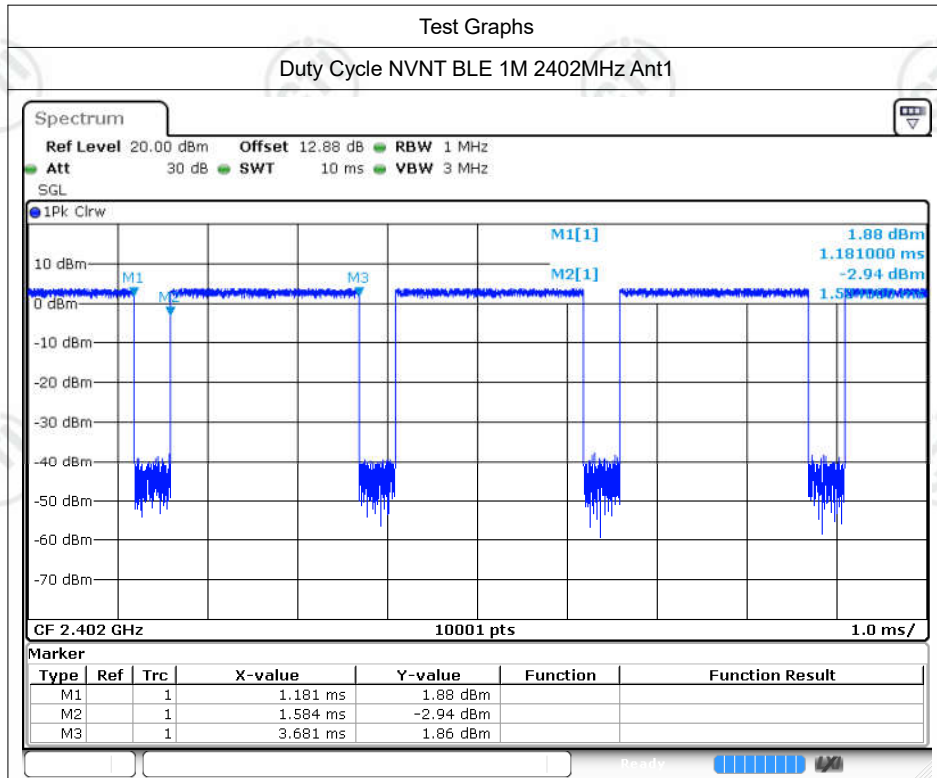
## Appendix: Bluetooth LE

## Contents

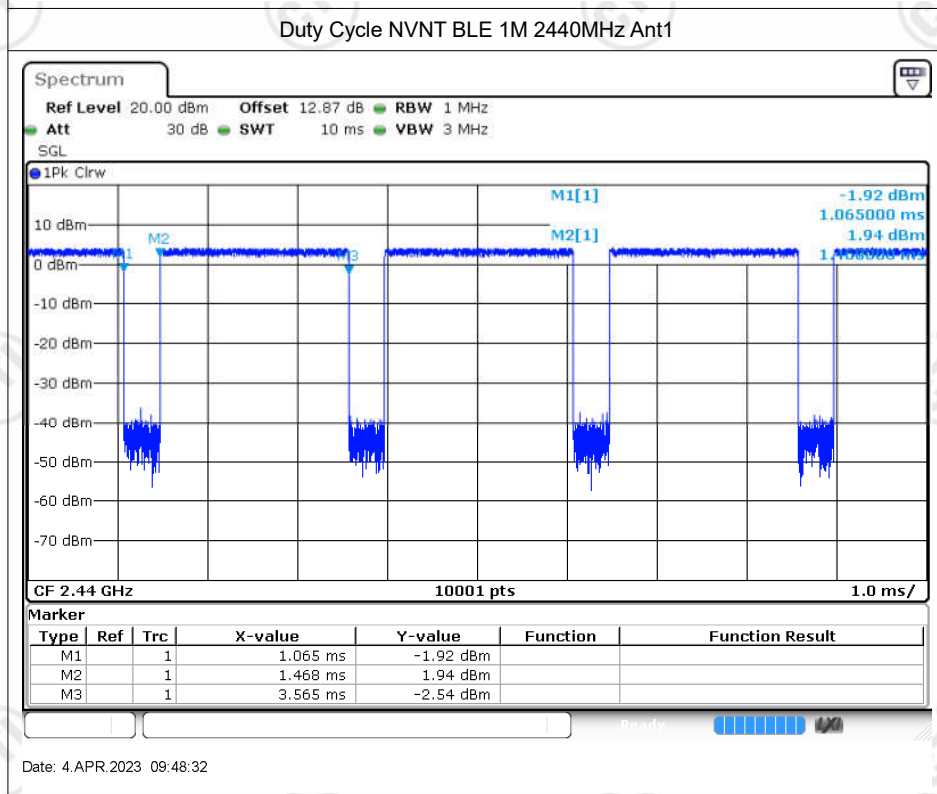
Contents .....	2
Duty Cycle .....	3
Maximum Peak Conducted Output Power .....	7
-6dB Bandwidth .....	11
Occupied Channel Bandwidth .....	15
Maximum Power Spectral Density Level .....	19
Band Edge .....	23
Conducted RF Spurious Emission .....	28

## Duty Cycle

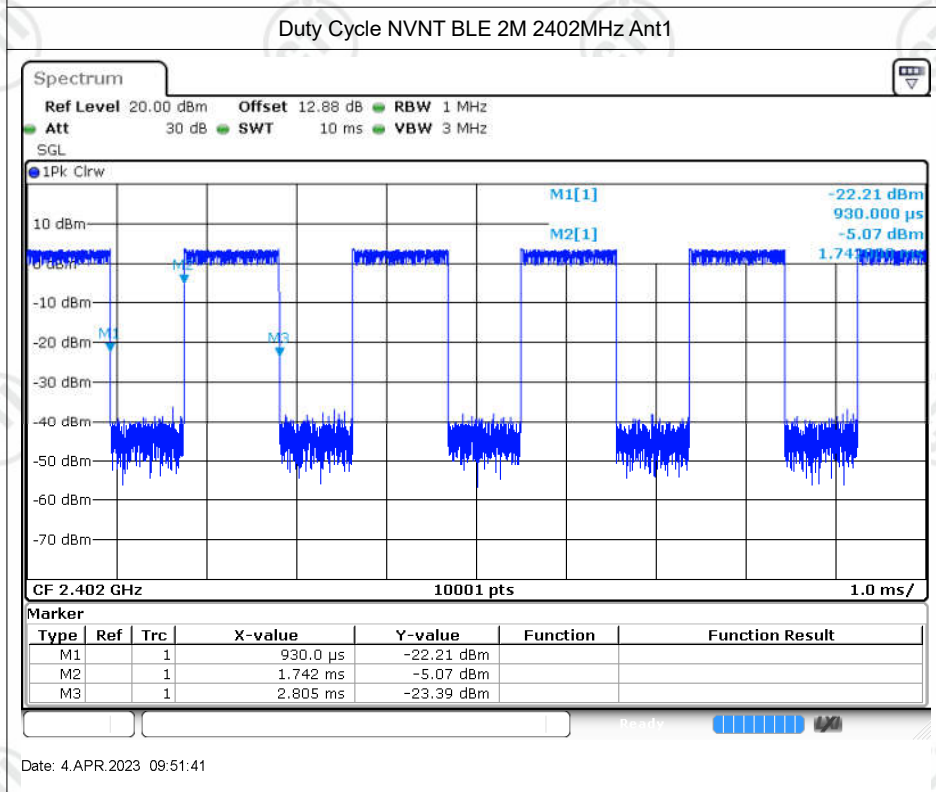
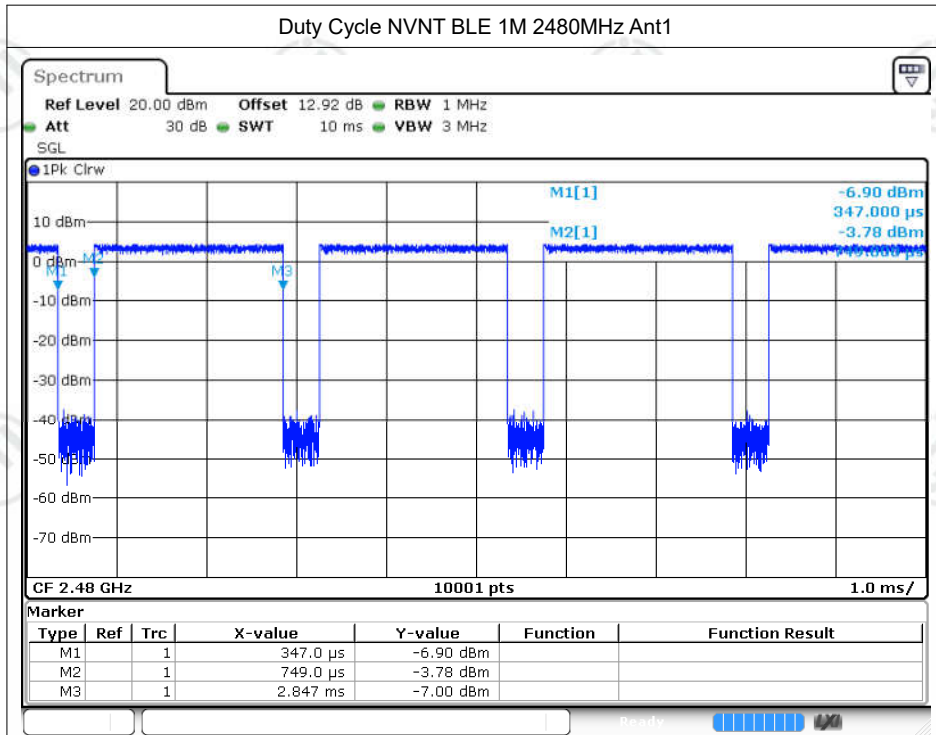
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	83.88	0.76	0.48
NVNT	BLE 1M	2440	Ant1	83.88	0.76	0.48
NVNT	BLE 1M	2480	Ant1	83.92	0.76	0.48
NVNT	BLE 2M	2402	Ant1	56.69	2.46	0.94
NVNT	BLE 2M	2440	Ant1	56.69	2.46	0.94
NVNT	BLE 2M	2480	Ant1	56.69	2.46	0.94

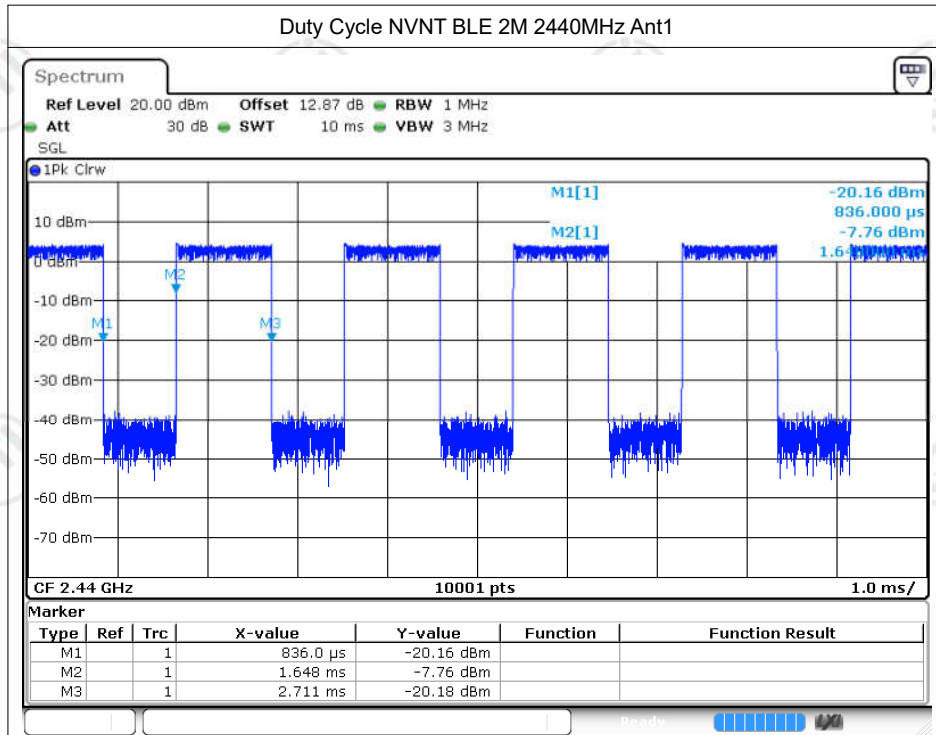


Date: 4.APR.2023 09:46:52

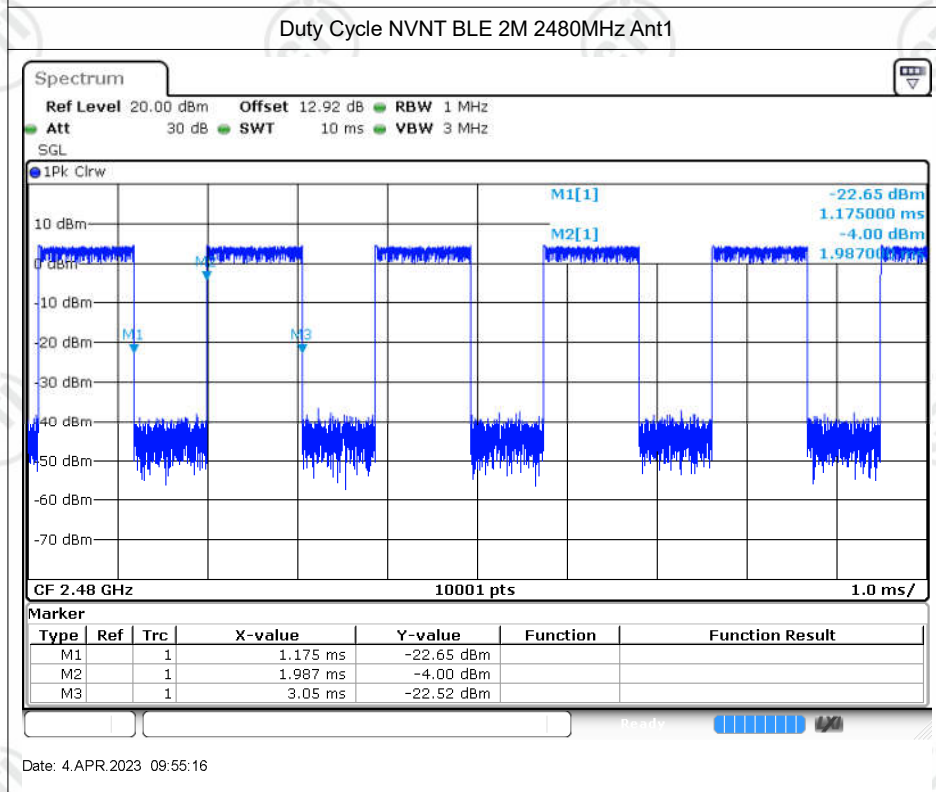


Date: 4.APR.2023 09:48:32





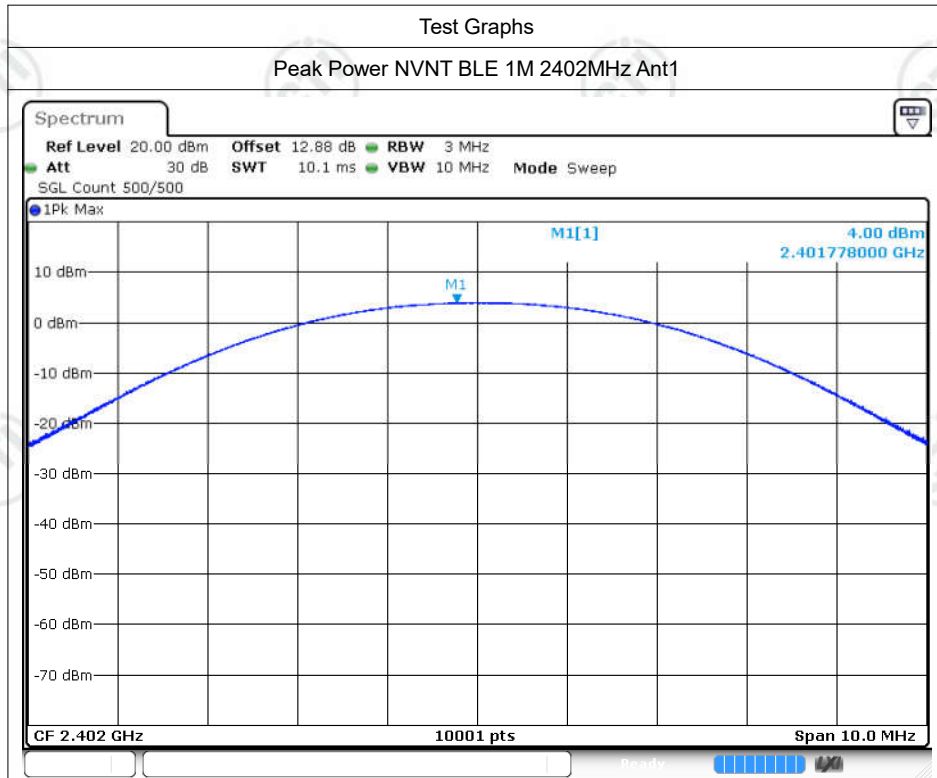
Date: 4. APR. 2023 09:53:29



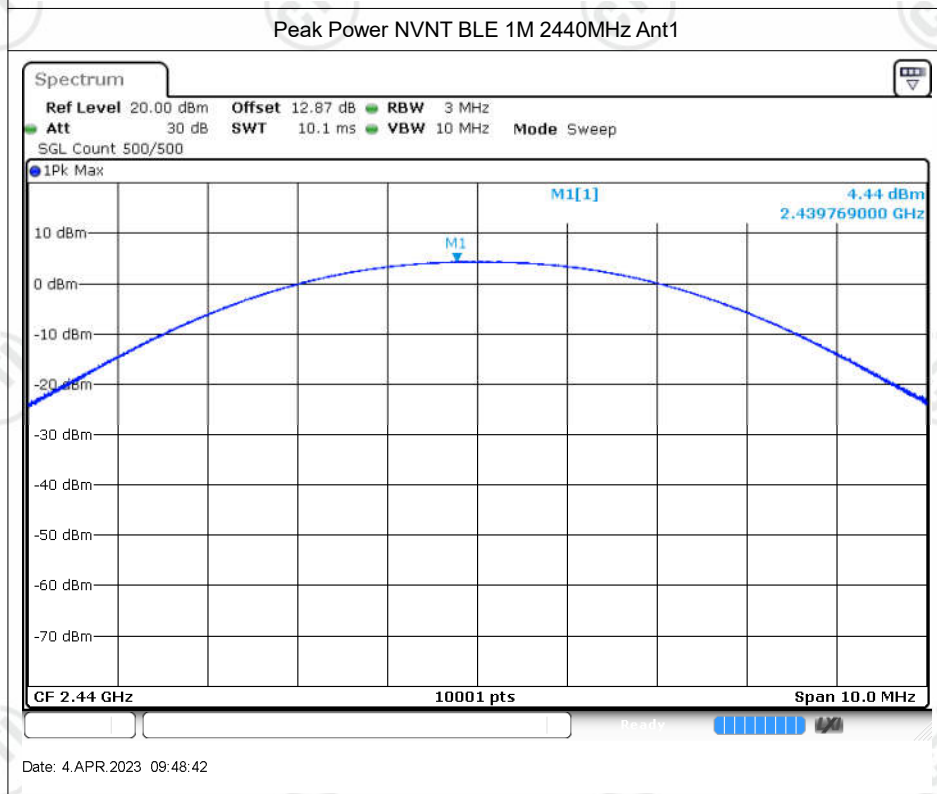
Date: 4. APR. 2023 09:55:16

**Maximum Peak Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	4	0	4.00	30	Pass
NVNT	BLE 1M	2440	Ant1	4.44	0	4.44	30	Pass
NVNT	BLE 1M	2480	Ant1	4.53	0	4.53	30	Pass
NVNT	BLE 2M	2402	Ant1	4.05	0	4.05	30	Pass
NVNT	BLE 2M	2440	Ant1	4.7	0	4.70	30	Pass
NVNT	BLE 2M	2480	Ant1	4.82	0	<b>4.82</b>	30	Pass

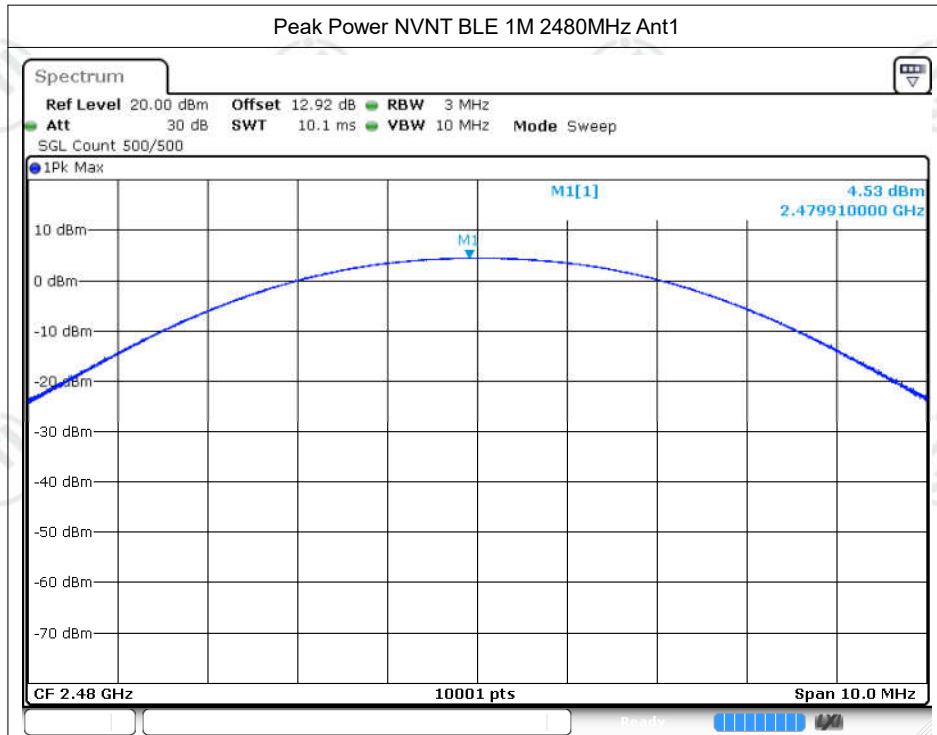


Date: 4.APR.2023 09:47:02

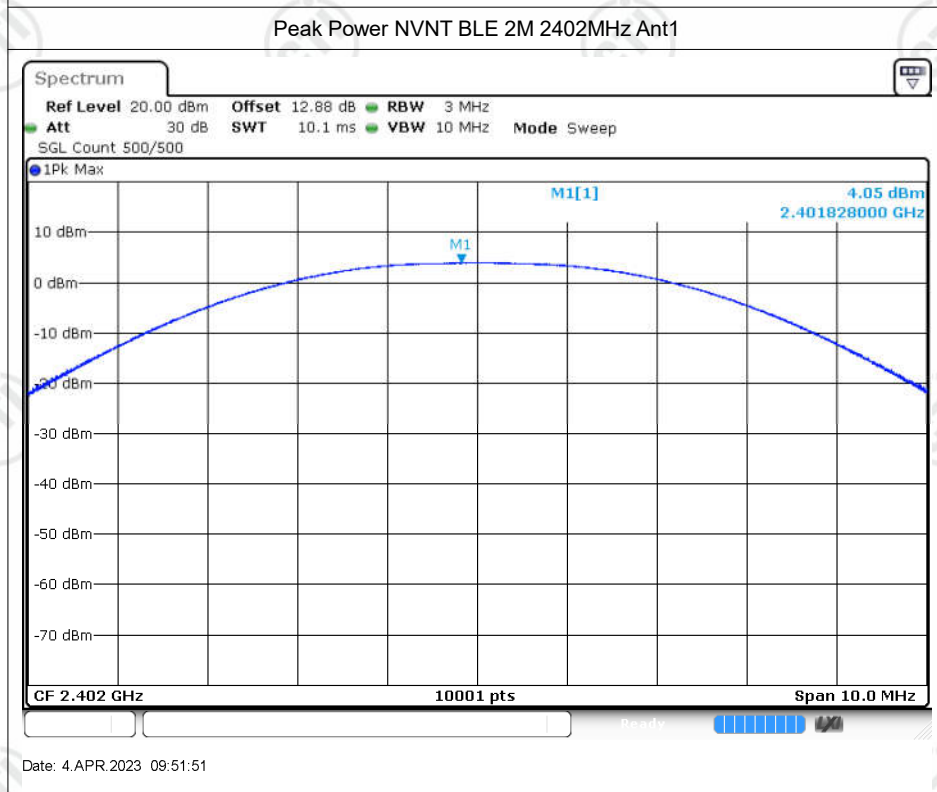


Date: 4.APR.2023 09:48:42

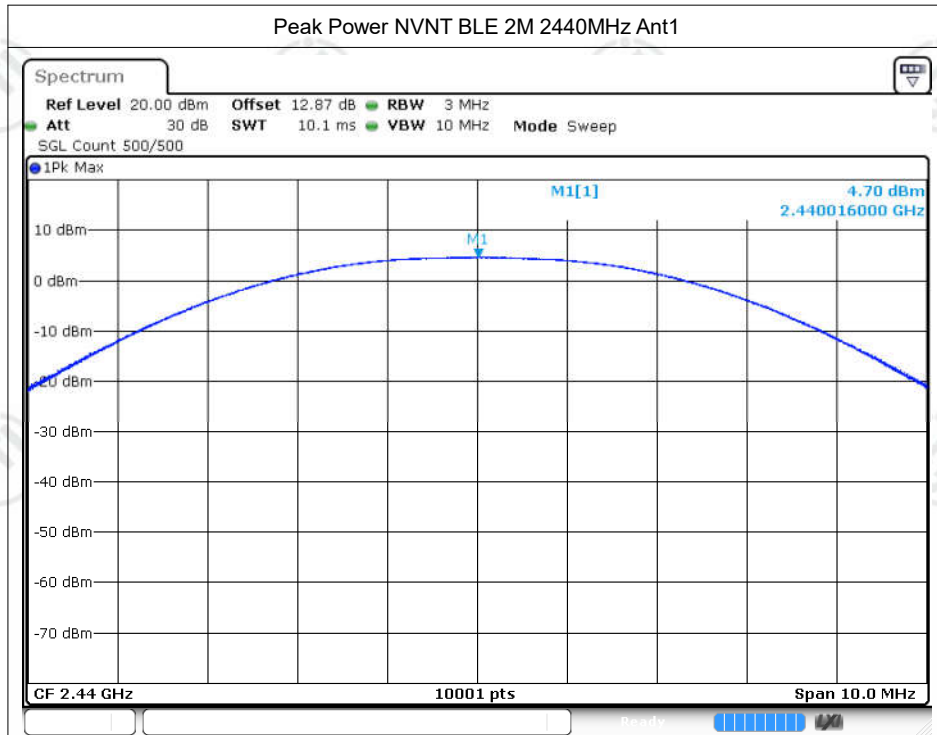




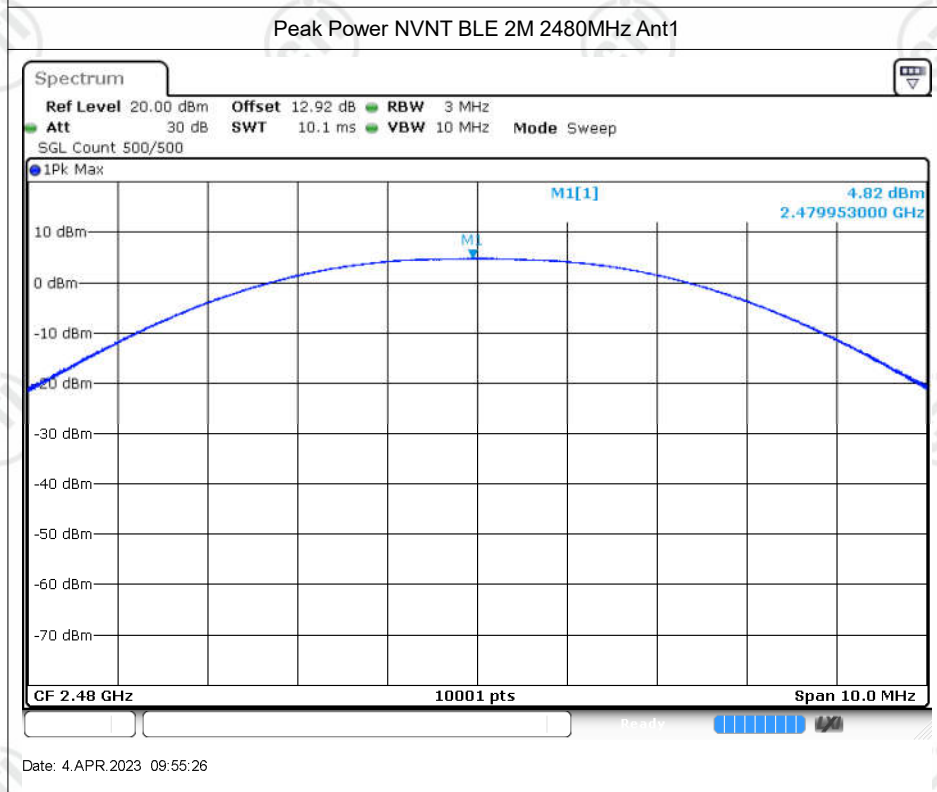
Date: 4.APR.2023 09:50:14



Date: 4.APR.2023 09:51:51



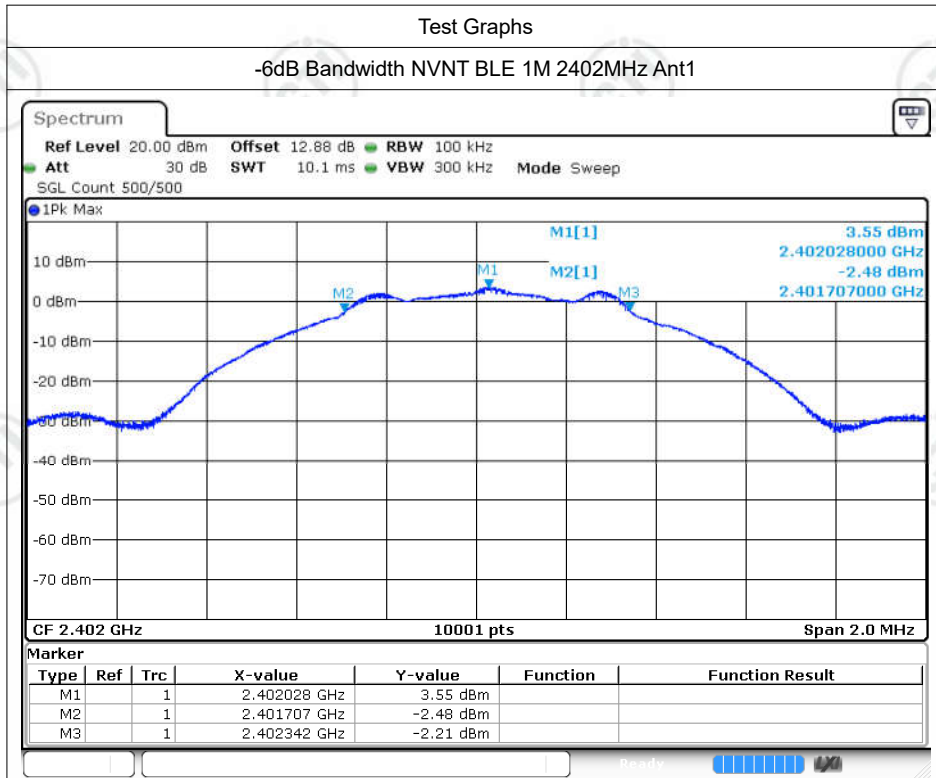
Date: 4. APR. 2023 09:53:39



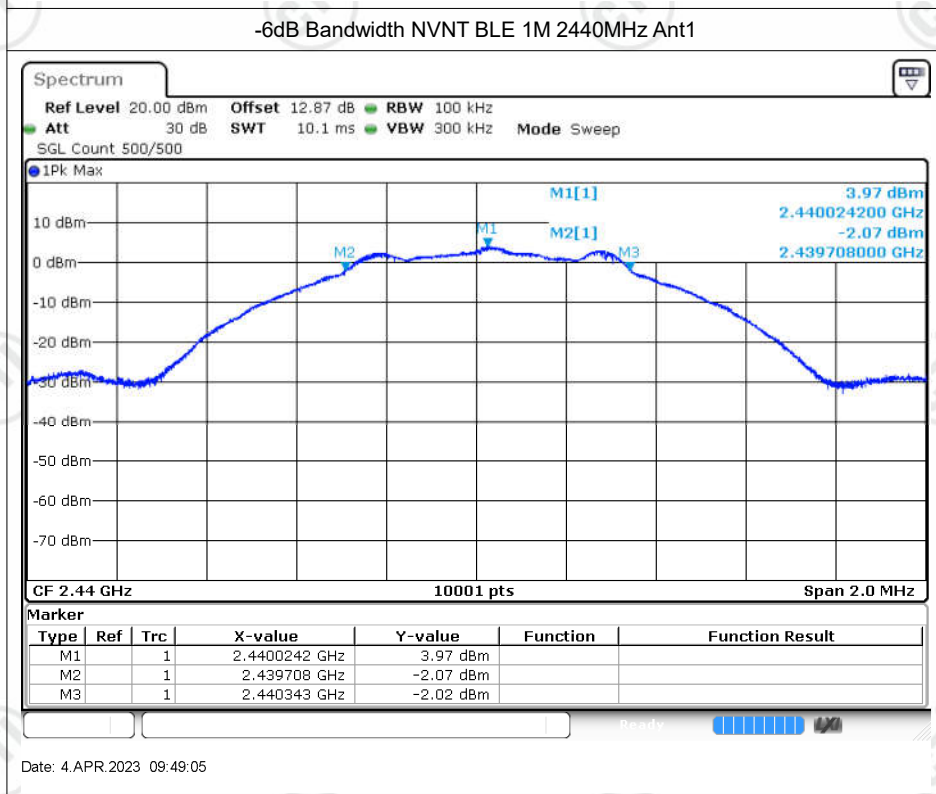
Date: 4. APR. 2023 09:55:26

**-6dB Bandwidth**

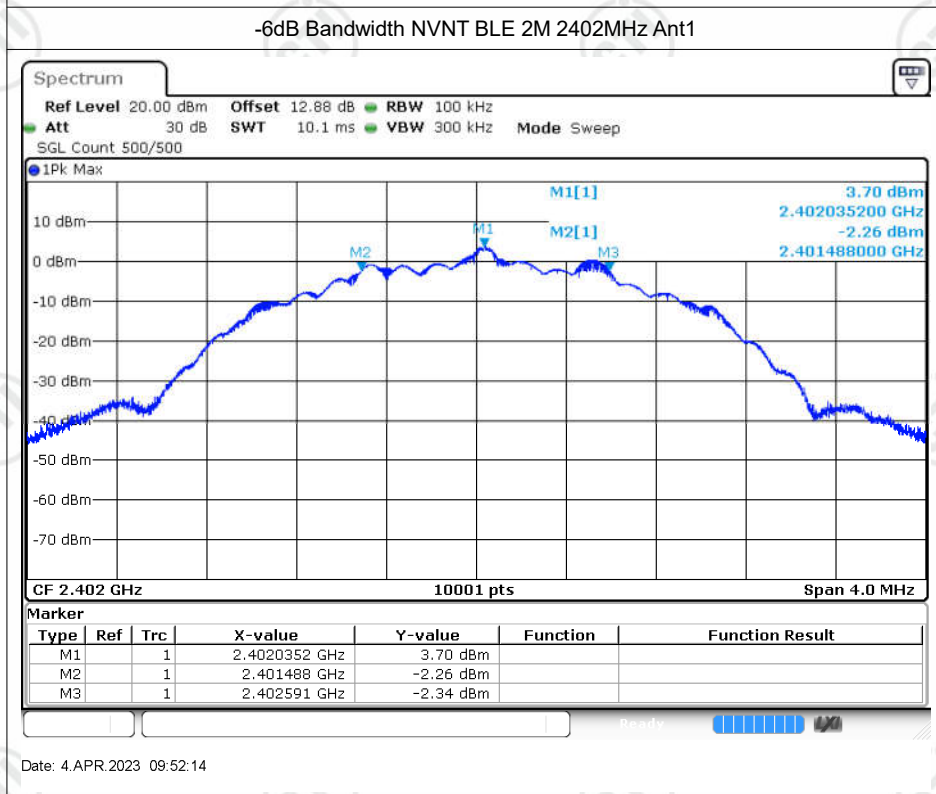
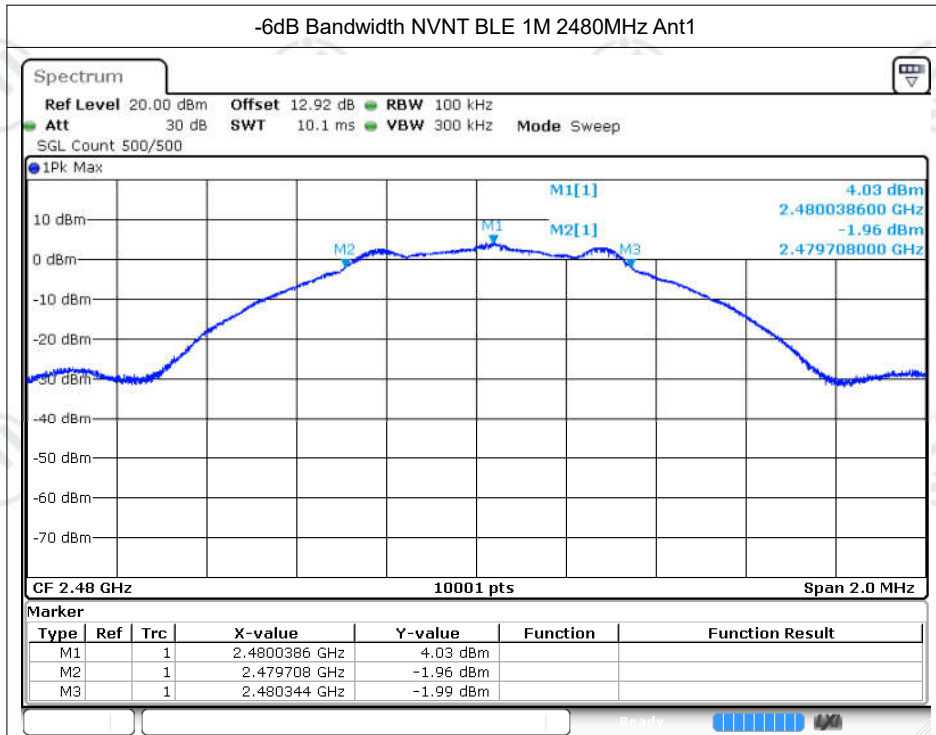
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.635	0.500	Pass
NVNT	BLE 1M	2440	Ant1	0.635	0.500	Pass
NVNT	BLE 1M	2480	Ant1	0.636	0.500	Pass
NVNT	BLE 2M	2402	Ant1	1.103	0.500	Pass
NVNT	BLE 2M	2440	Ant1	1.104	0.500	Pass
NVNT	BLE 2M	2480	Ant1	1.106	0.500	Pass

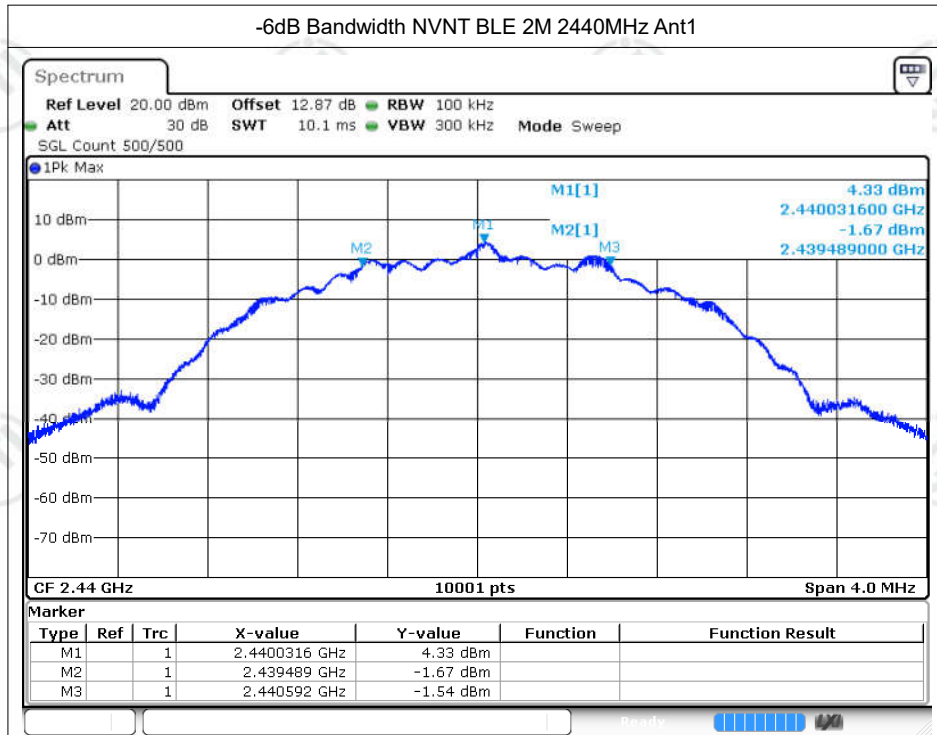


Date: 4.APR.2023 09:47:25

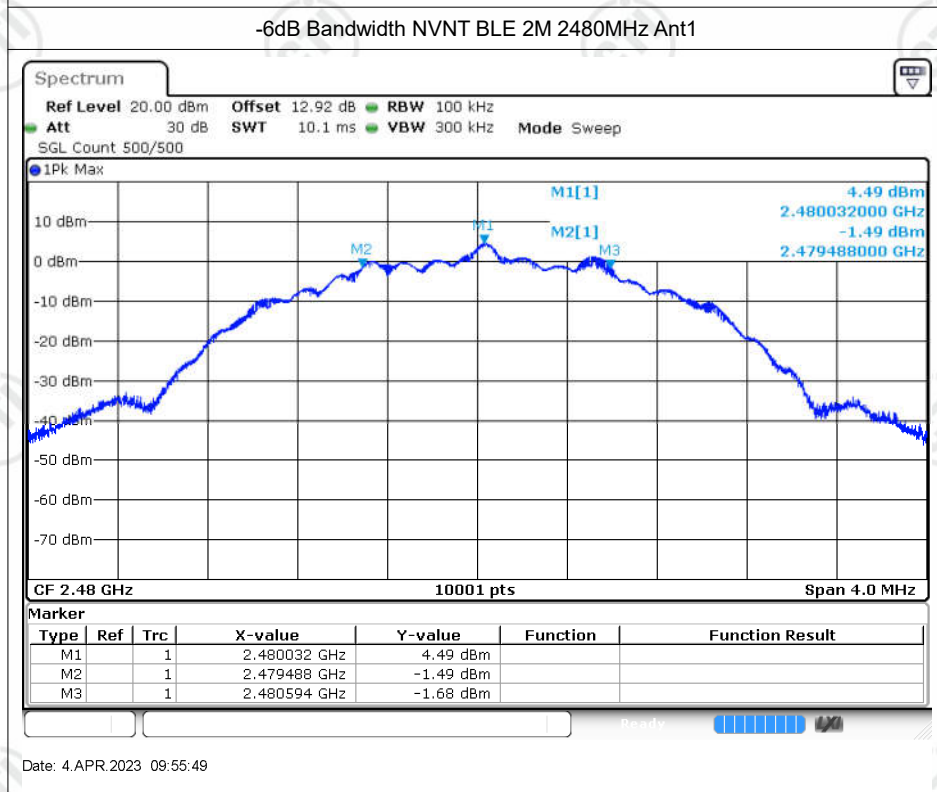


Date: 4.APR.2023 09:49:05





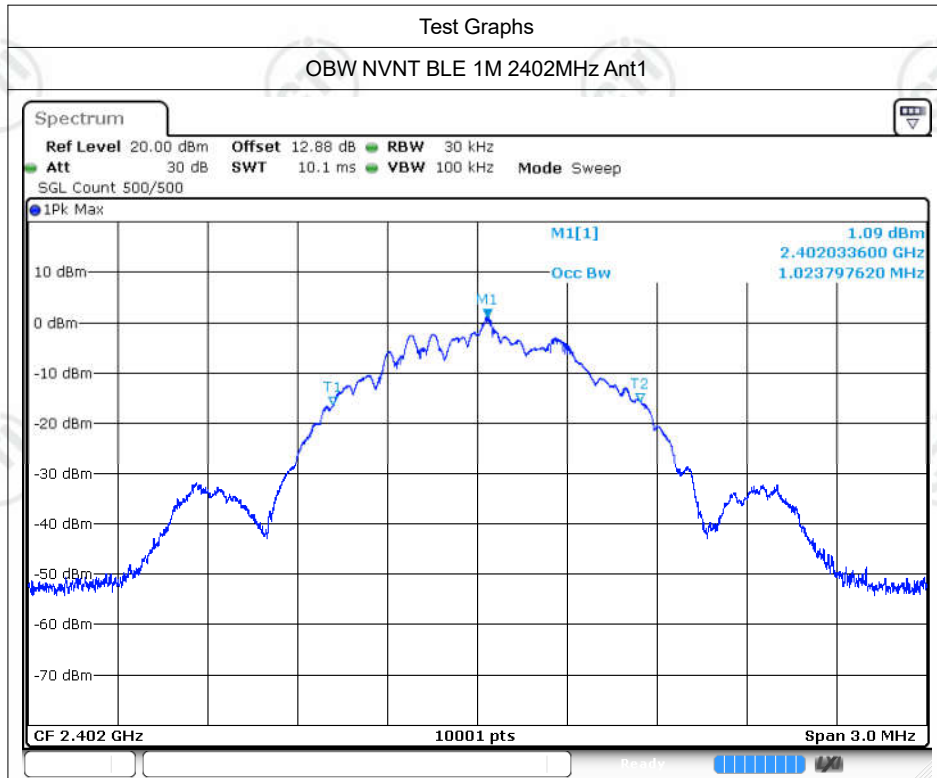
Date: 4. APR. 2023 09:54:01



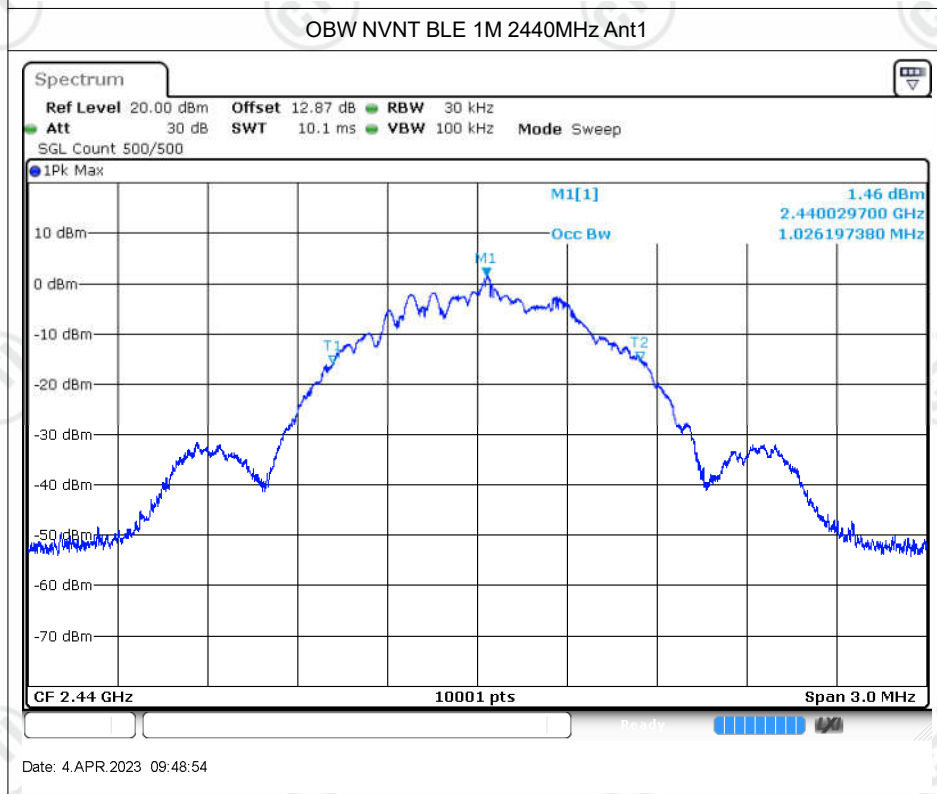
Date: 4. APR. 2023 09:55:49

## Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.024
NVNT	BLE 1M	2440	Ant1	1.026
NVNT	BLE 1M	2480	Ant1	1.027
NVNT	BLE 2M	2402	Ant1	2.017
NVNT	BLE 2M	2440	Ant1	2.018
NVNT	BLE 2M	2480	Ant1	2.021

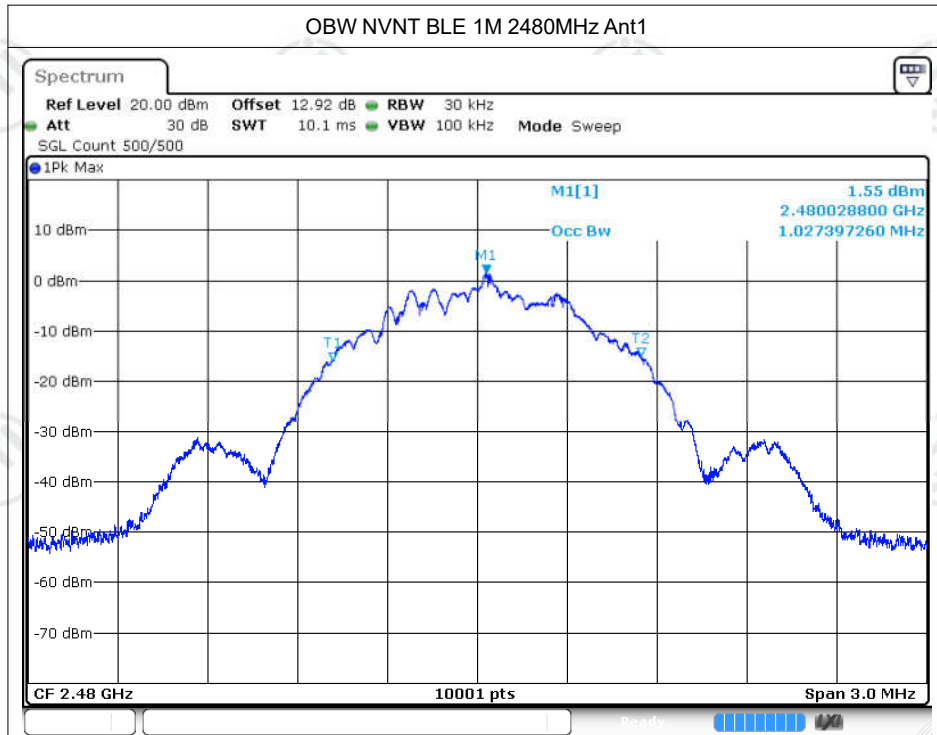


Date: 4.APR.2023 09:47:13

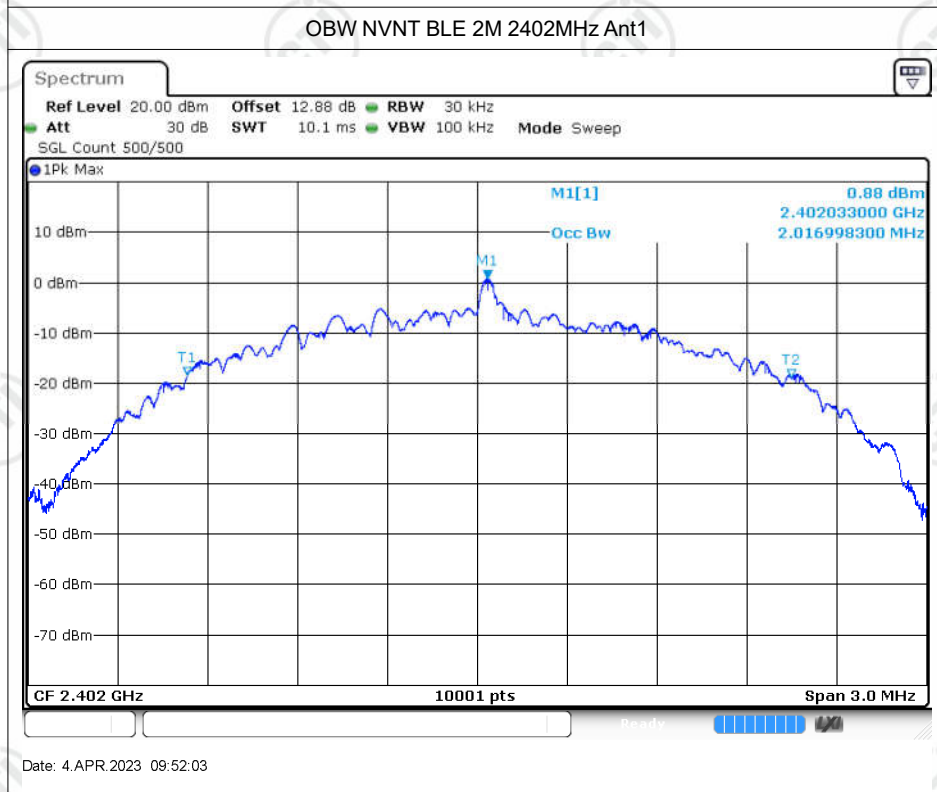


Date: 4.APR.2023 09:48:54

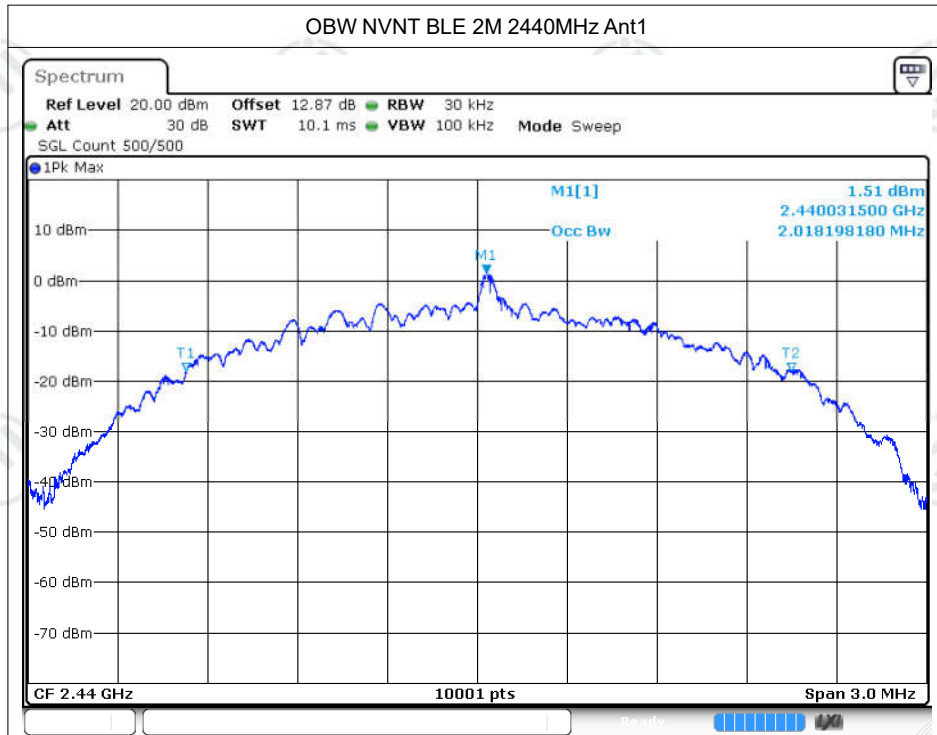




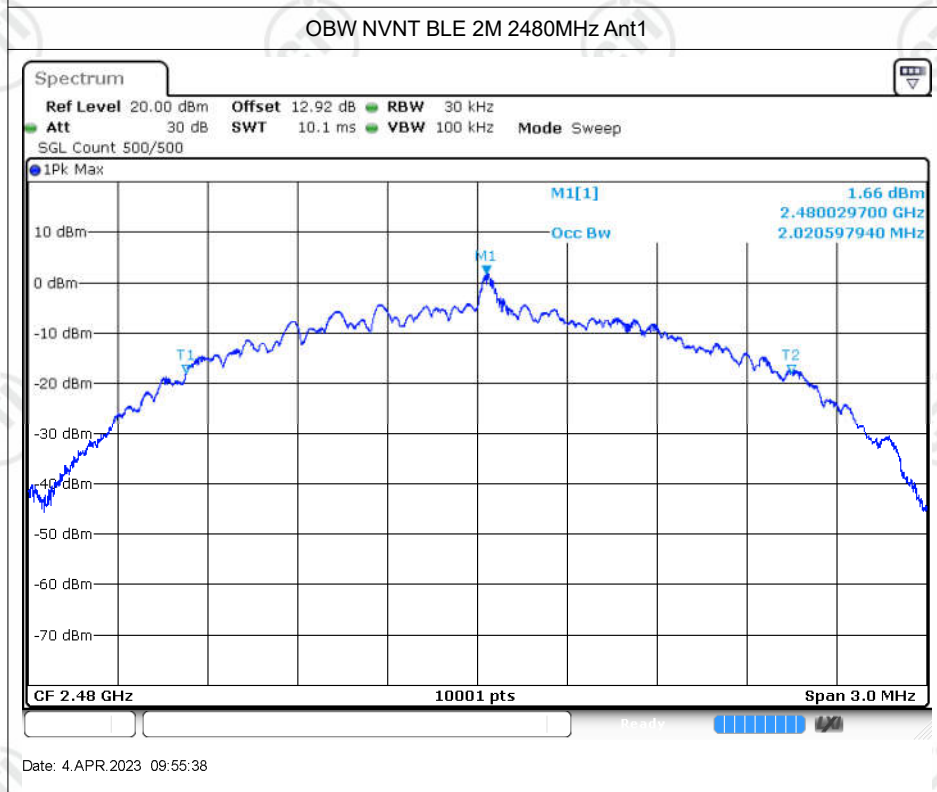
Date: 4. APR. 2023 09:50:26



Date: 4. APR. 2023 09:52:03



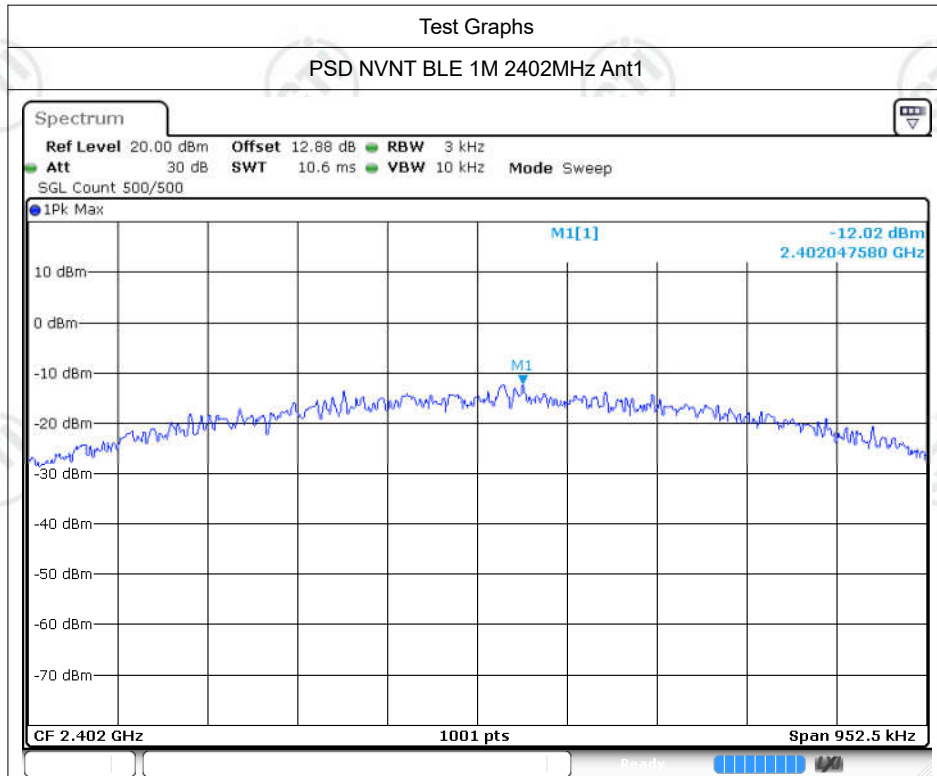
Date: 4. APR. 2023 09:53:50



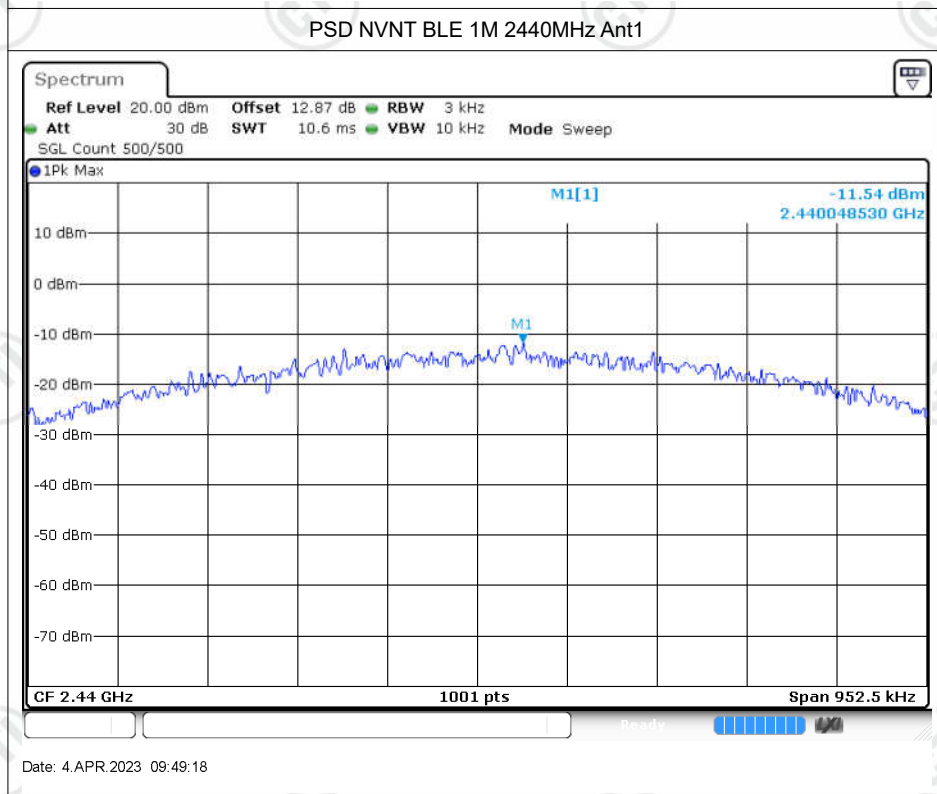
Date: 4. APR. 2023 09:55:38

**Maximum Power Spectral Density Level**

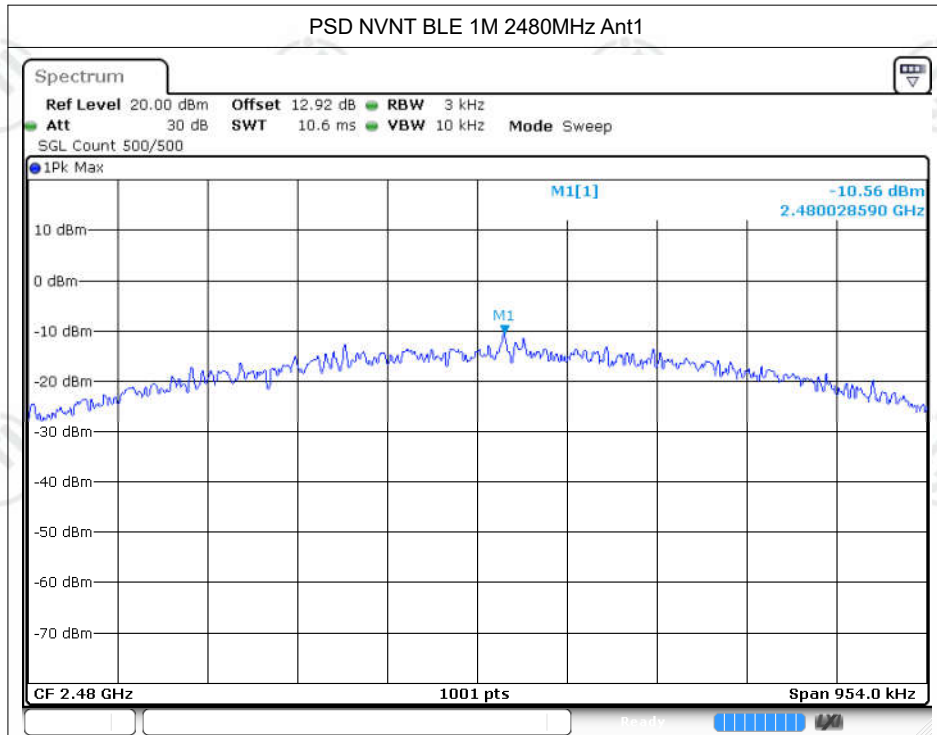
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-12.02	0	-12.02	8	Pass
NVNT	BLE 1M	2440	Ant1	-11.54	0	-11.54	8	Pass
NVNT	BLE 1M	2480	Ant1	-10.56	0	-10.56	8	Pass
NVNT	BLE 2M	2402	Ant1	-13.28	0	-13.28	8	Pass
NVNT	BLE 2M	2440	Ant1	-12.99	0	-12.99	8	Pass
NVNT	BLE 2M	2480	Ant1	-12.45	0	-12.45	8	Pass



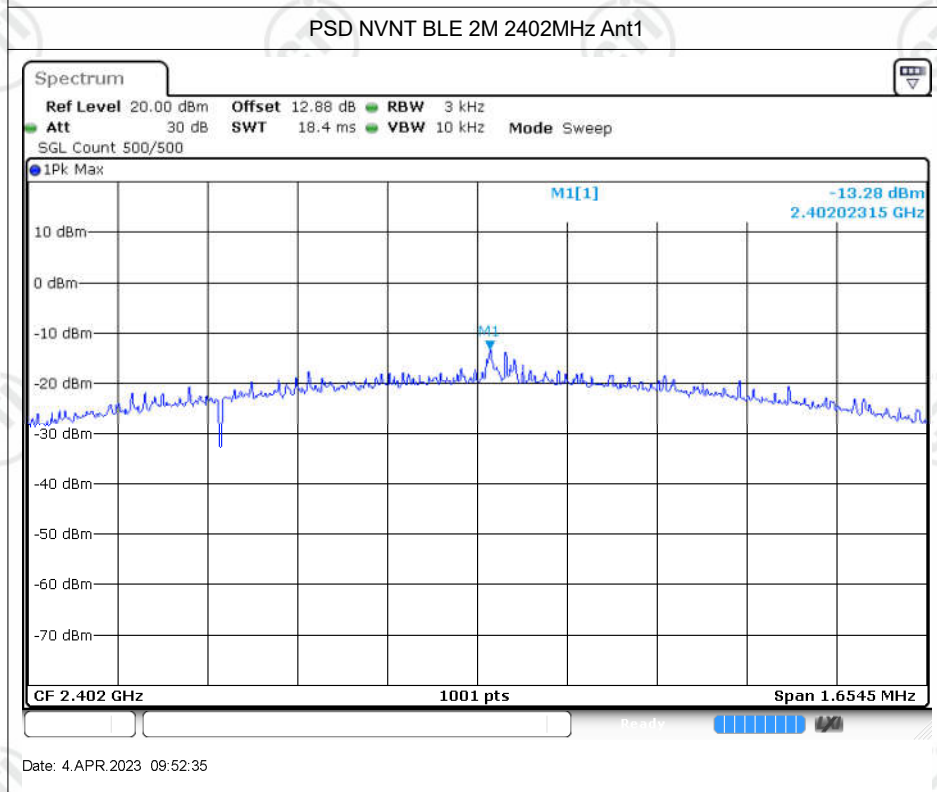
Date: 4.APR.2023 09:47:38



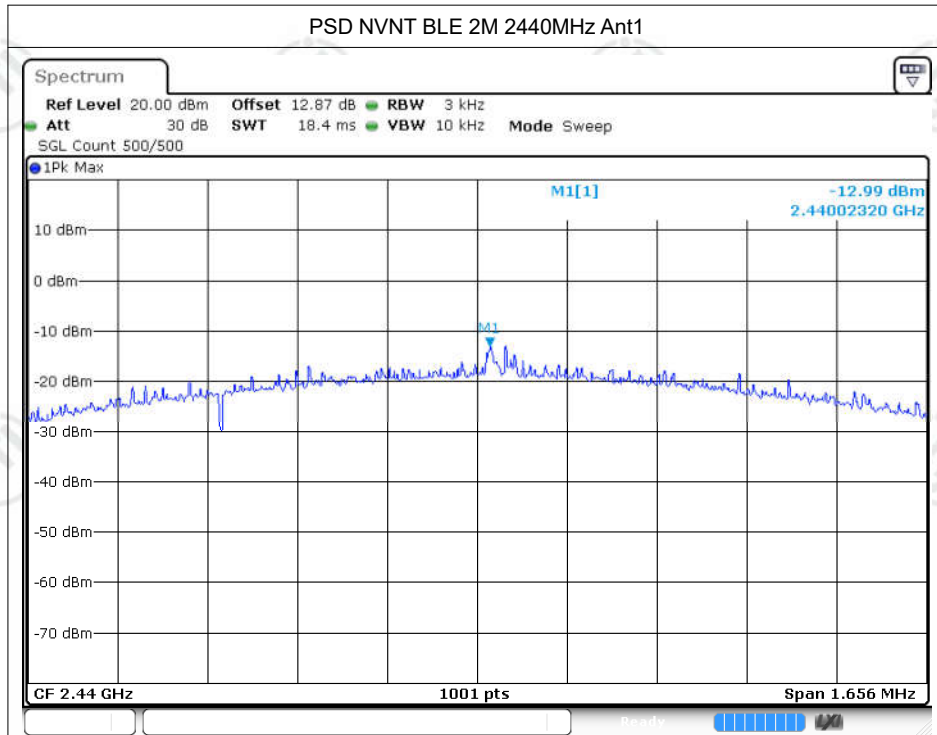
Date: 4.APR.2023 09:49:18



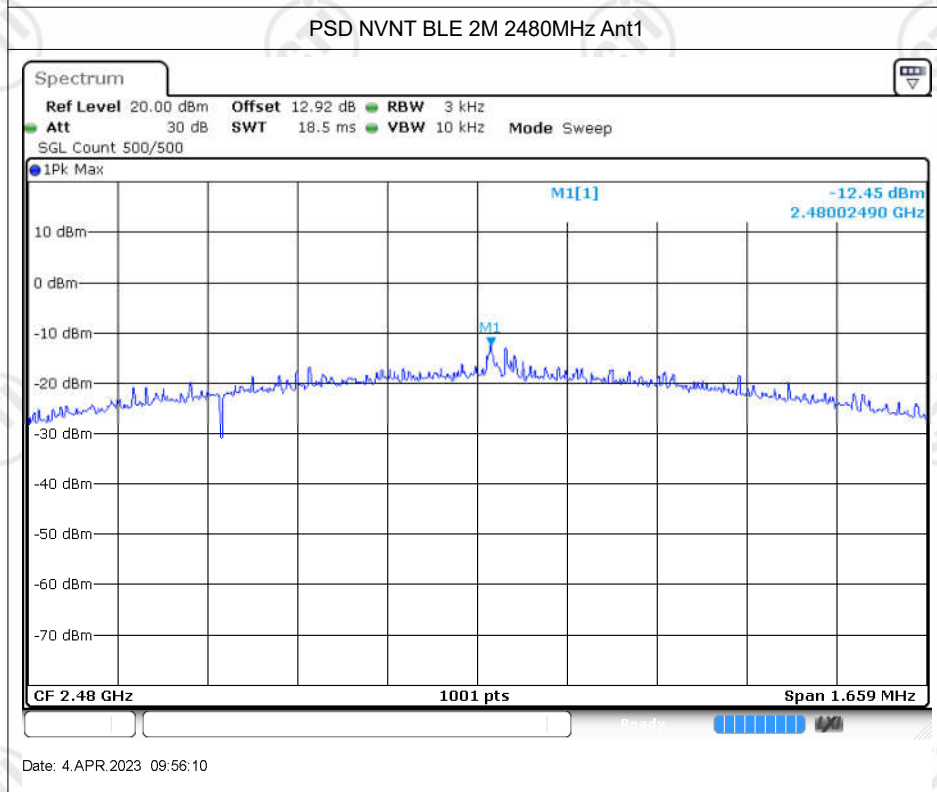
Date: 4. APR. 2023 09:50:50



Date: 4. APR. 2023 09:52:35



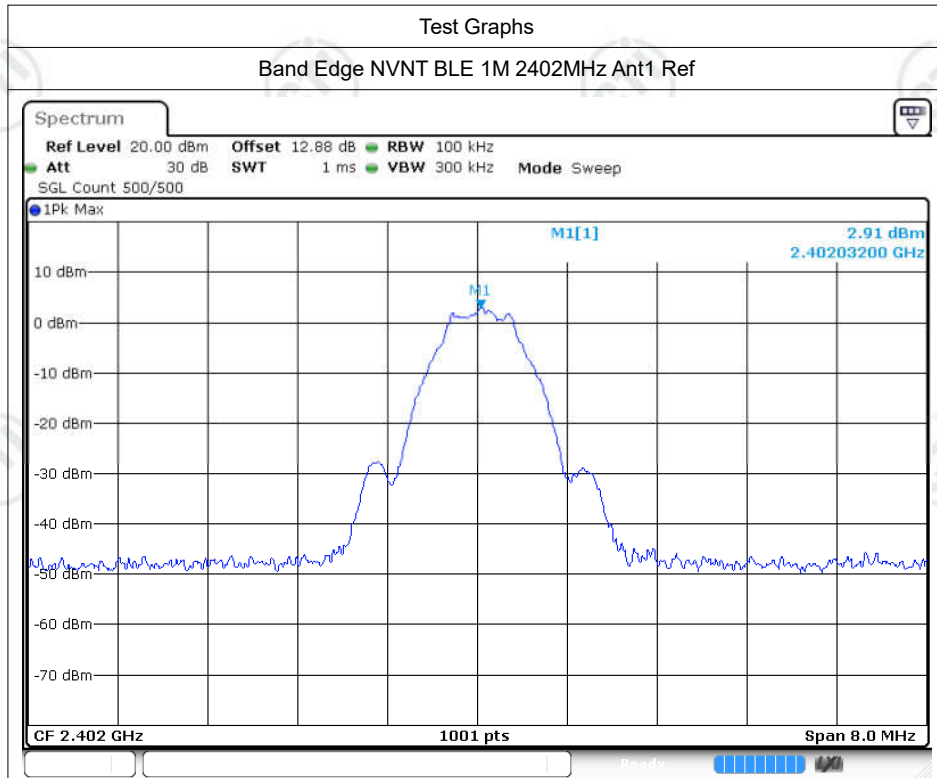
Date: 4. APR. 2023 09:54:23



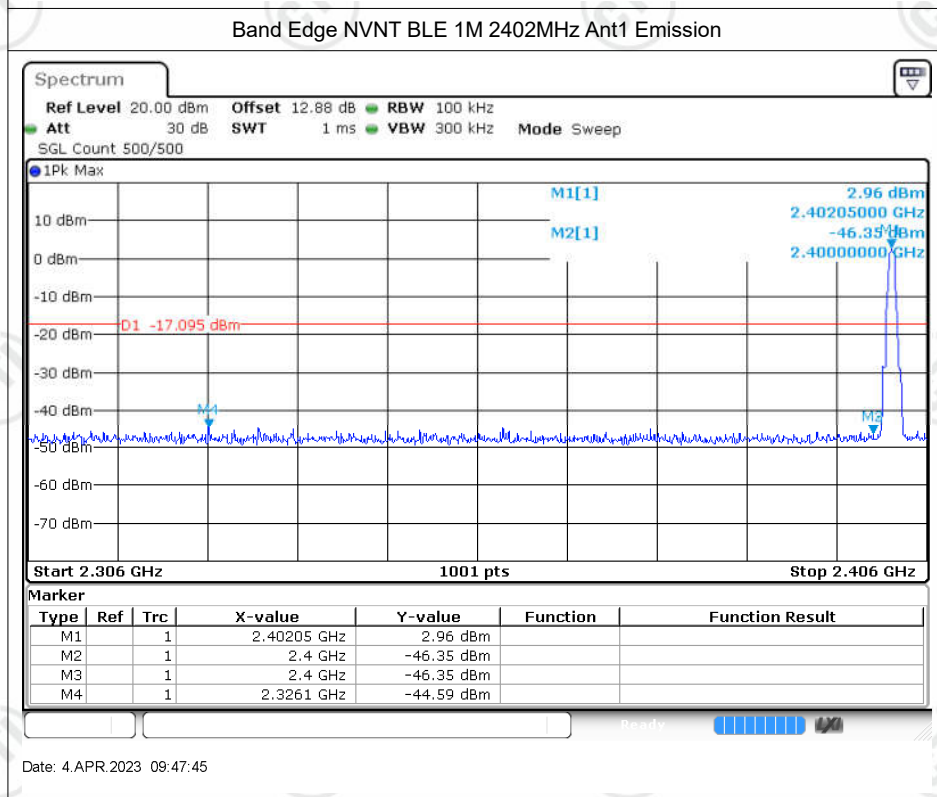
Date: 4. APR. 2023 09:56:10

## Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.49	-20	Pass
NVNT	BLE 1M	2480	Ant1	-49.12	-20	Pass
NVNT	BLE 2M	2402	Ant1	-48.18	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.06	-20	Pass

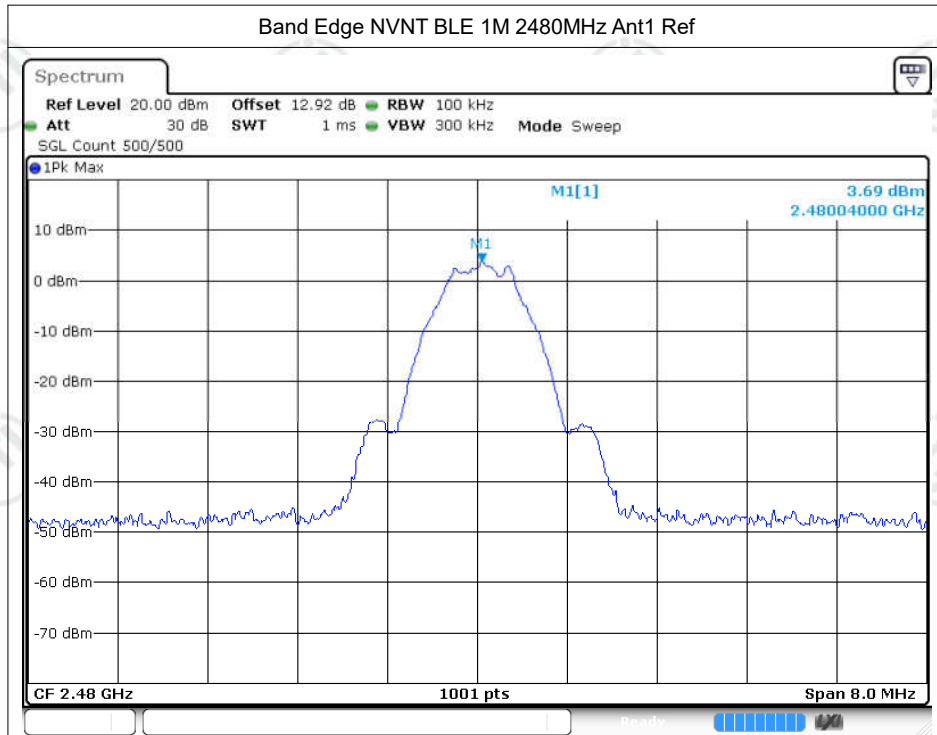


Date: 4.APR.2023 09:47:41

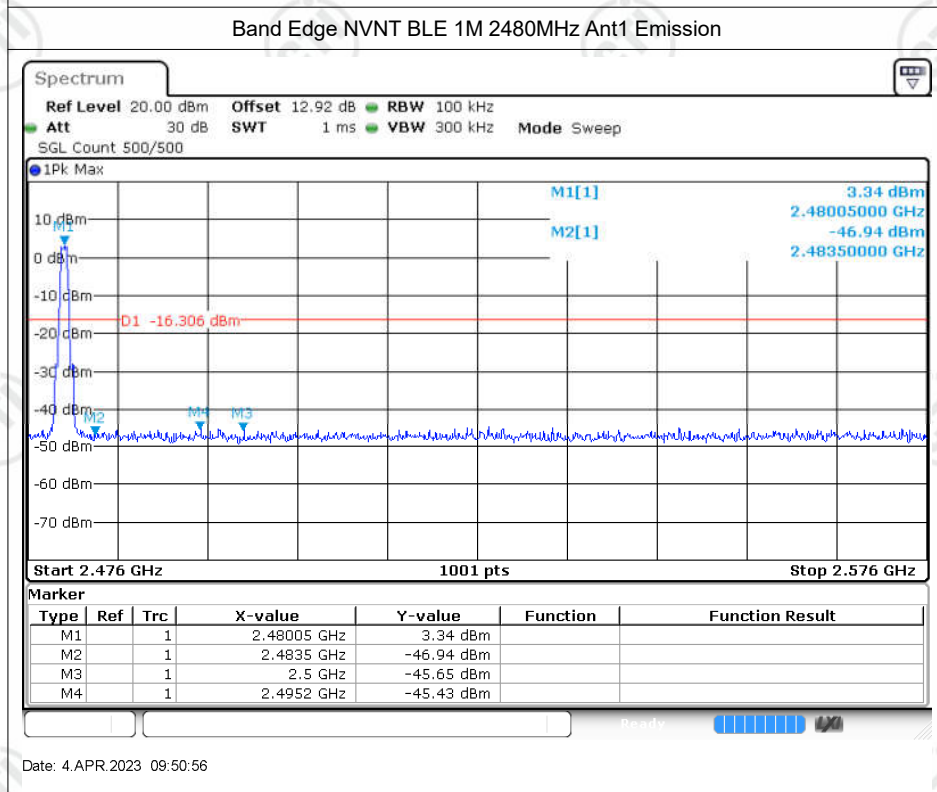


Date: 4.APR.2023 09:47:45

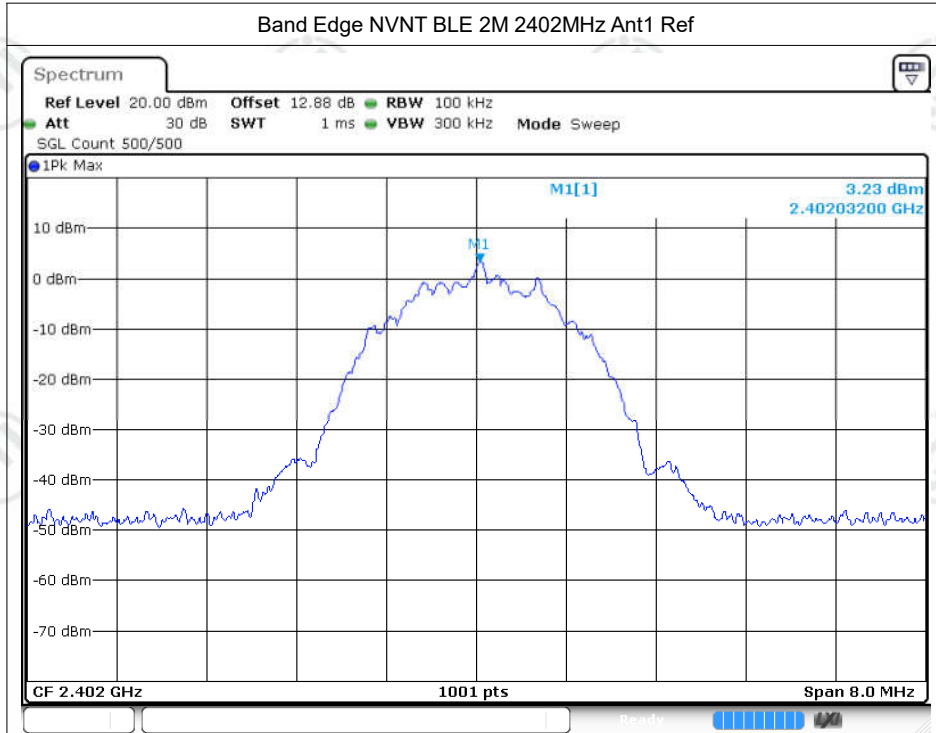




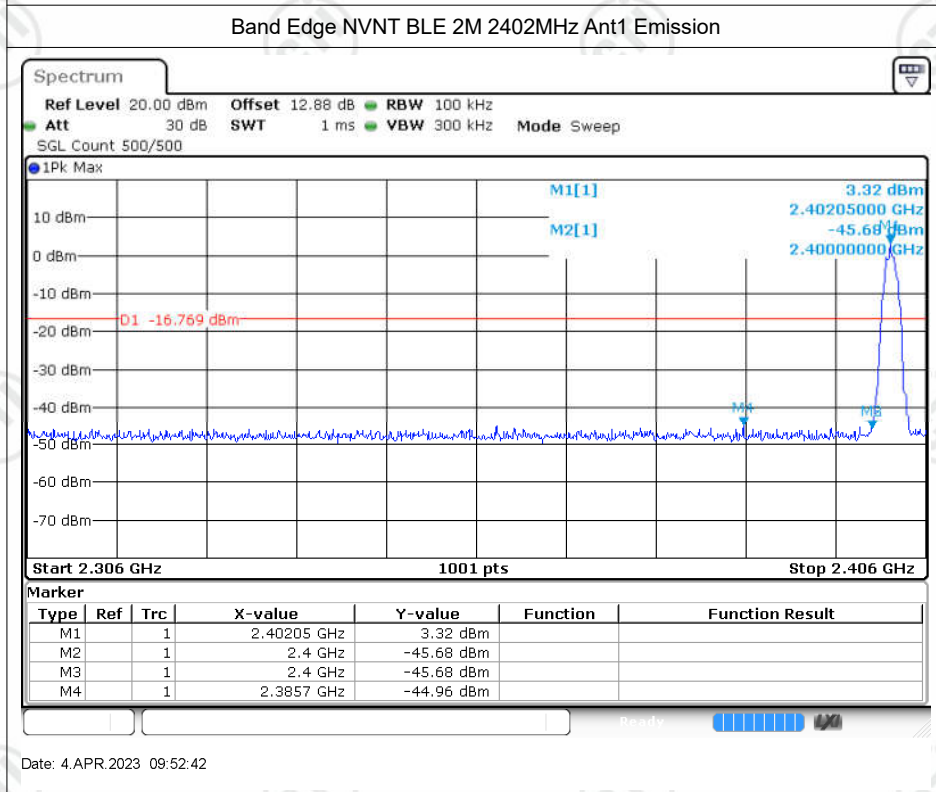
Date: 4. APR. 2023 09:50:54



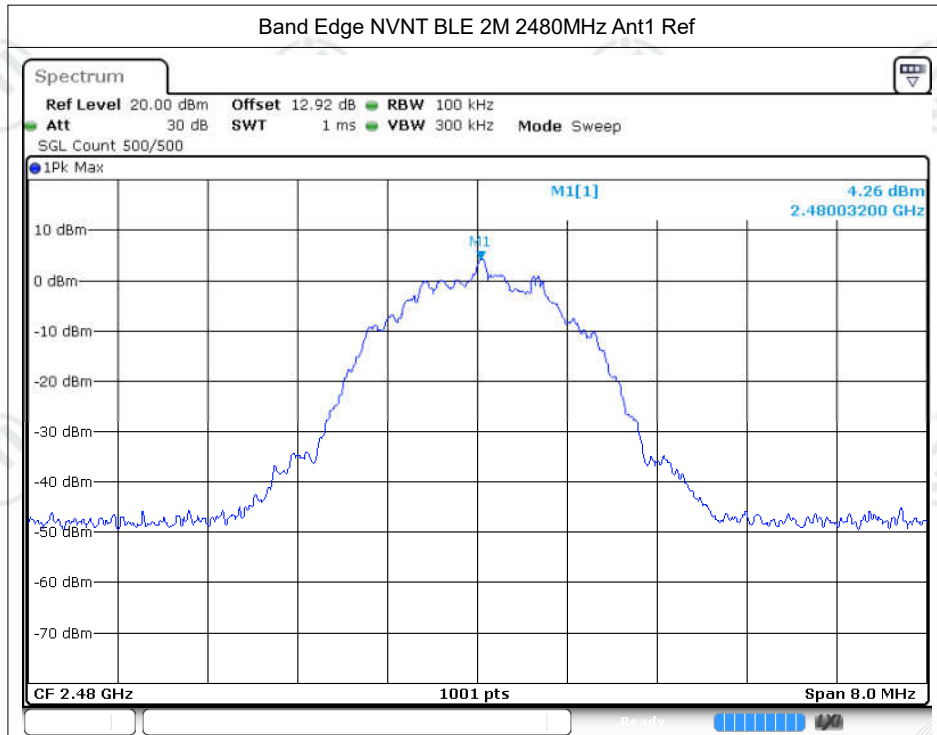
Date: 4. APR. 2023 09:50:56



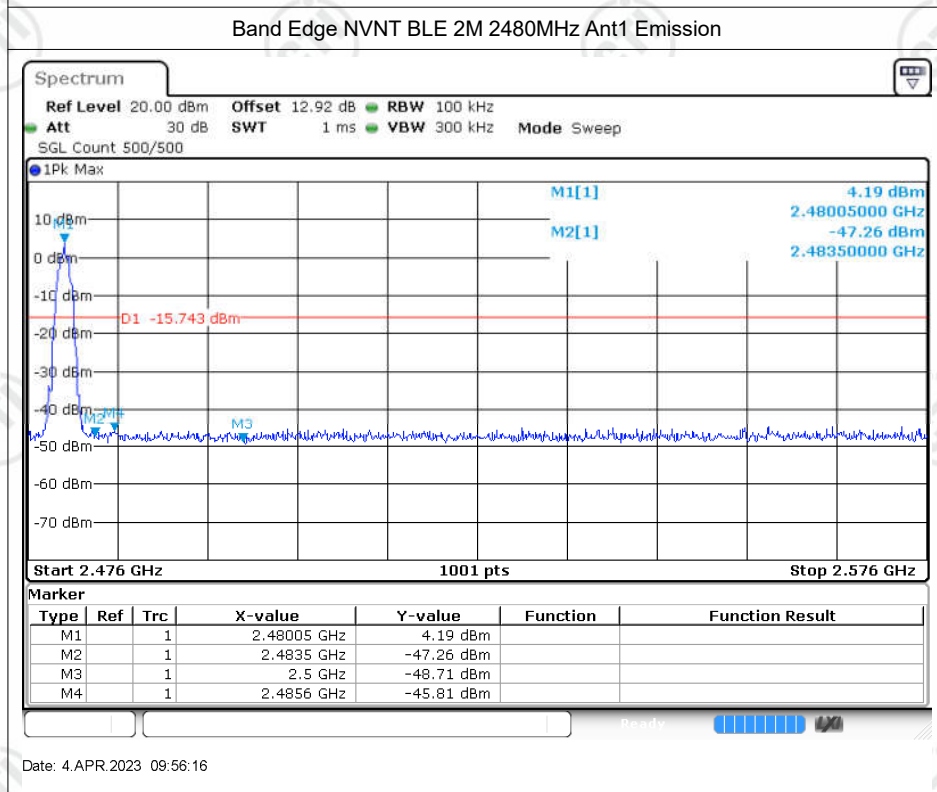
Date: 4. APR. 2023 09:52:39



Date: 4. APR. 2023 09:52:42



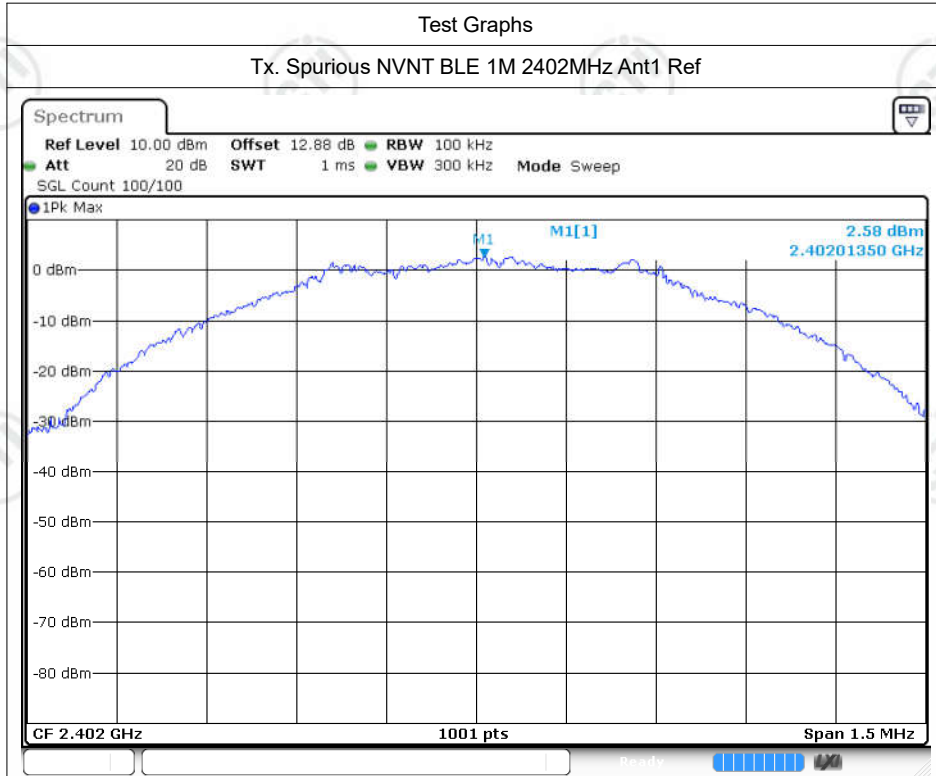
Date: 4. APR. 2023 09:56:14



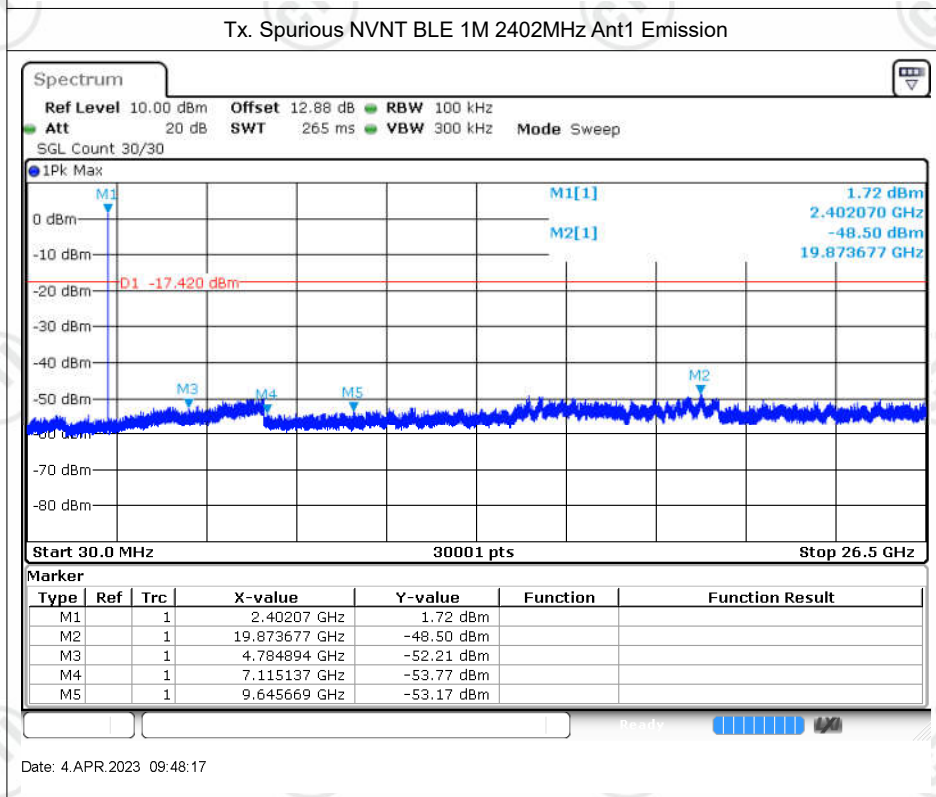
Date: 4. APR. 2023 09:56:16

**Conducted RF Spurious Emission**

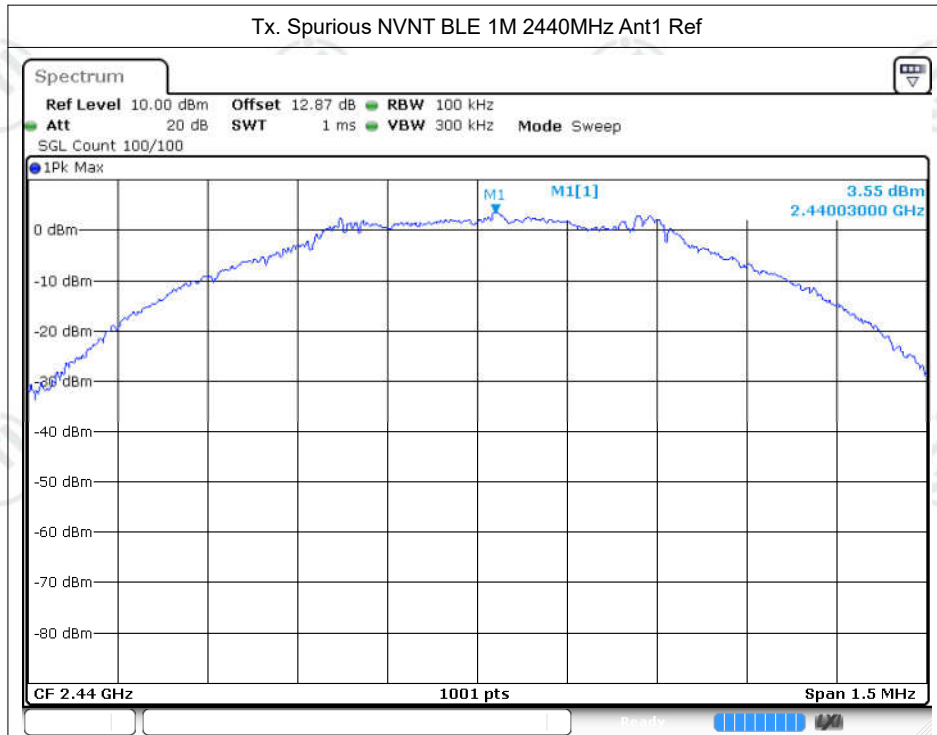
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-51.07	-20	Pass
NVNT	BLE 1M	2440	Ant1	-52.20	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.25	-20	Pass
NVNT	BLE 2M	2402	Ant1	-51.90	-20	Pass
NVNT	BLE 2M	2440	Ant1	-49.76	-20	Pass
NVNT	BLE 2M	2480	Ant1	-52.32	-20	Pass



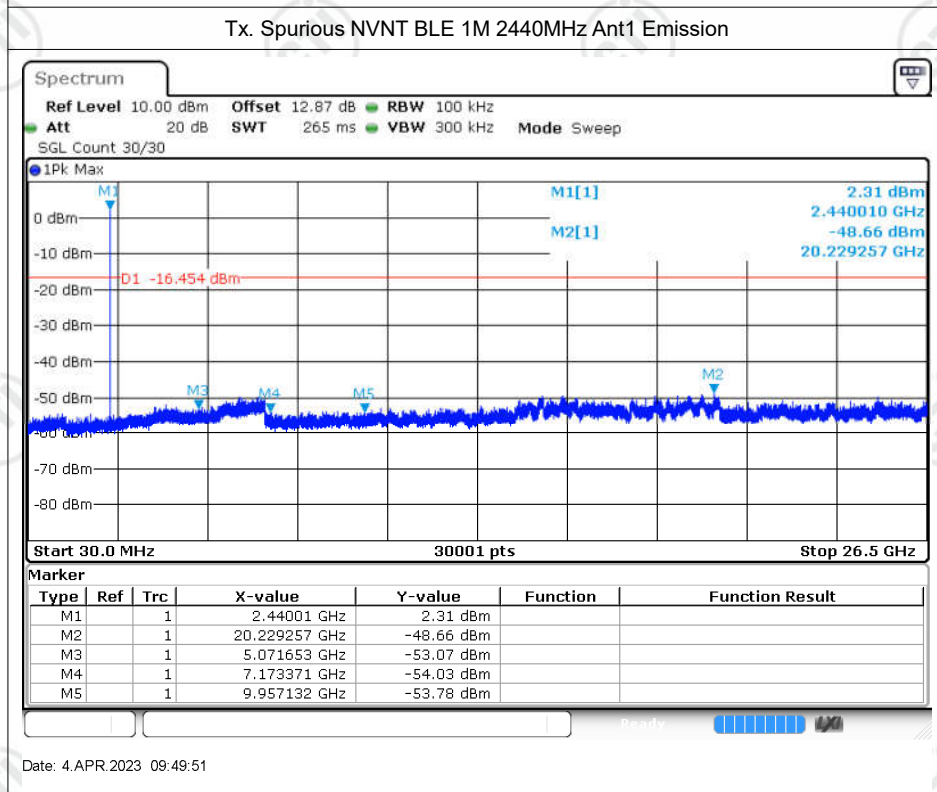
Date: 4.APR.2023 09:47:48



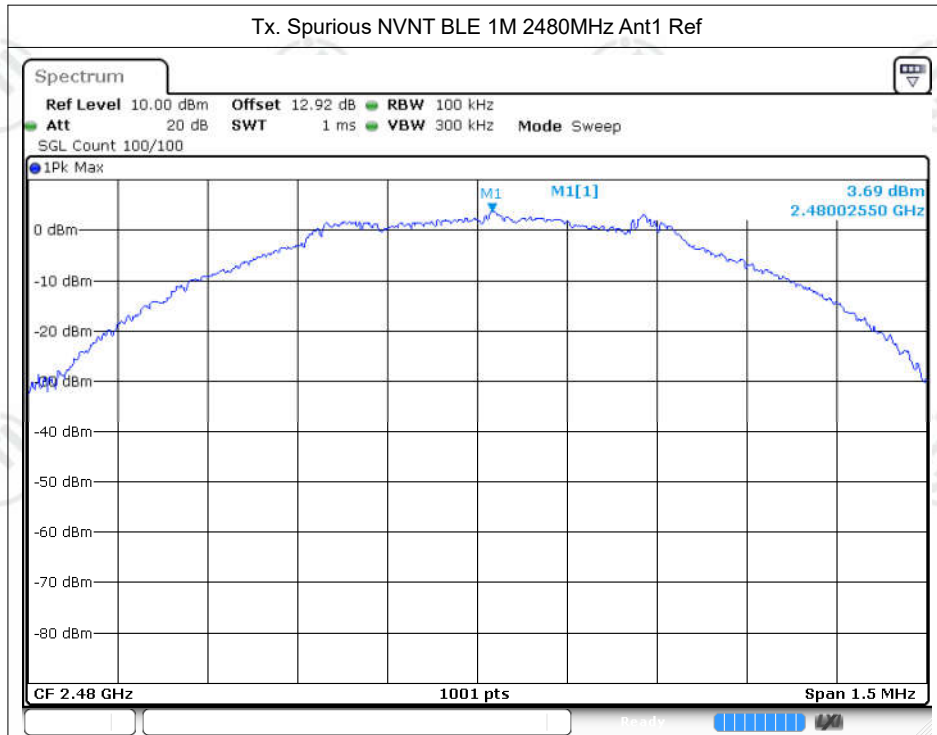
Date: 4.APR.2023 09:48:17



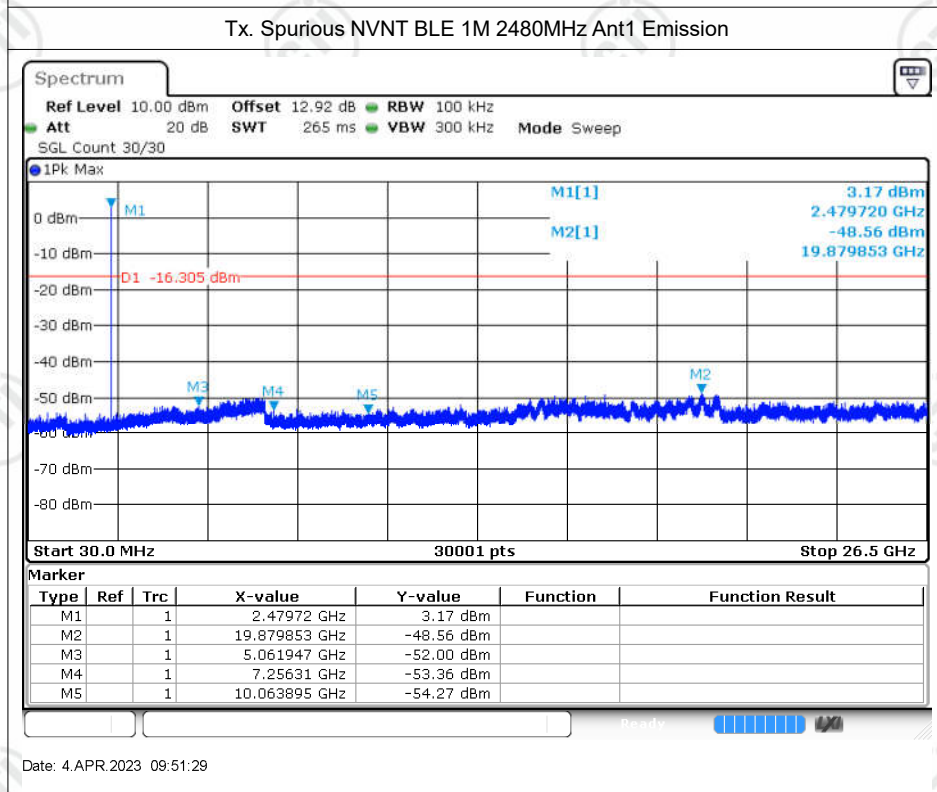
Date: 4. APR. 2023 09:49:21



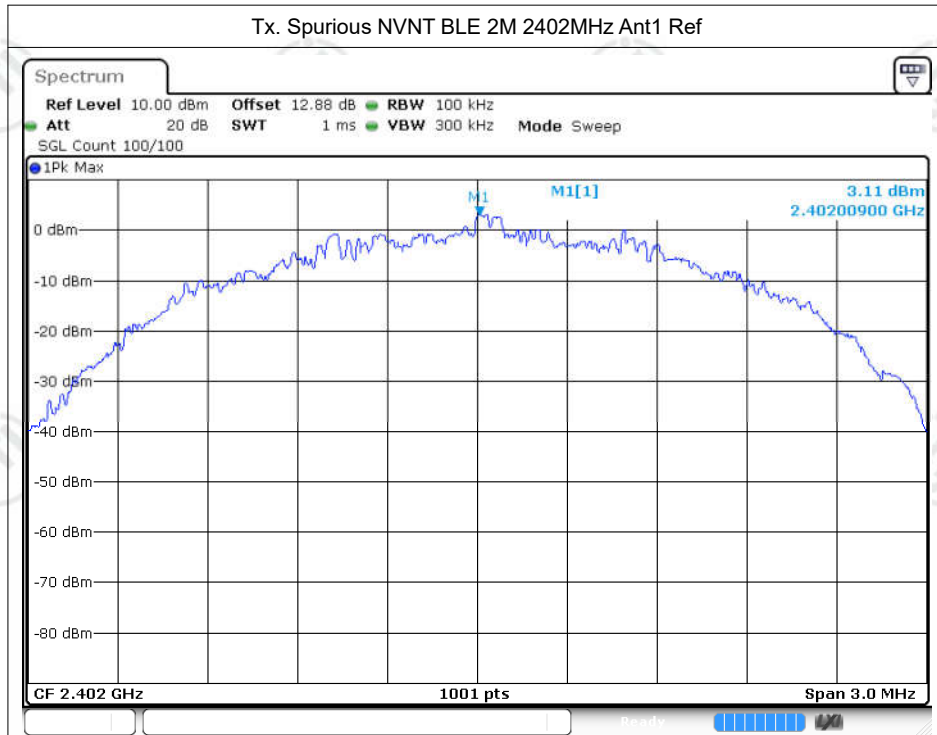
Date: 4. APR. 2023 09:49:51



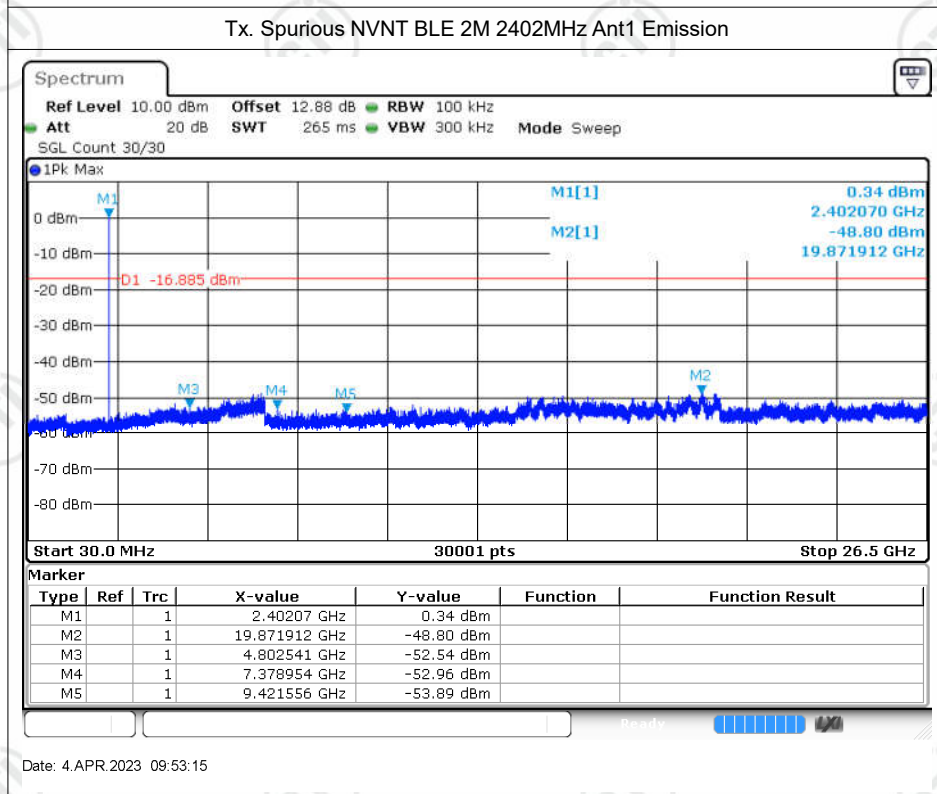
Date: 4. APR. 2023 09:50:59



Date: 4. APR. 2023 09:51:29

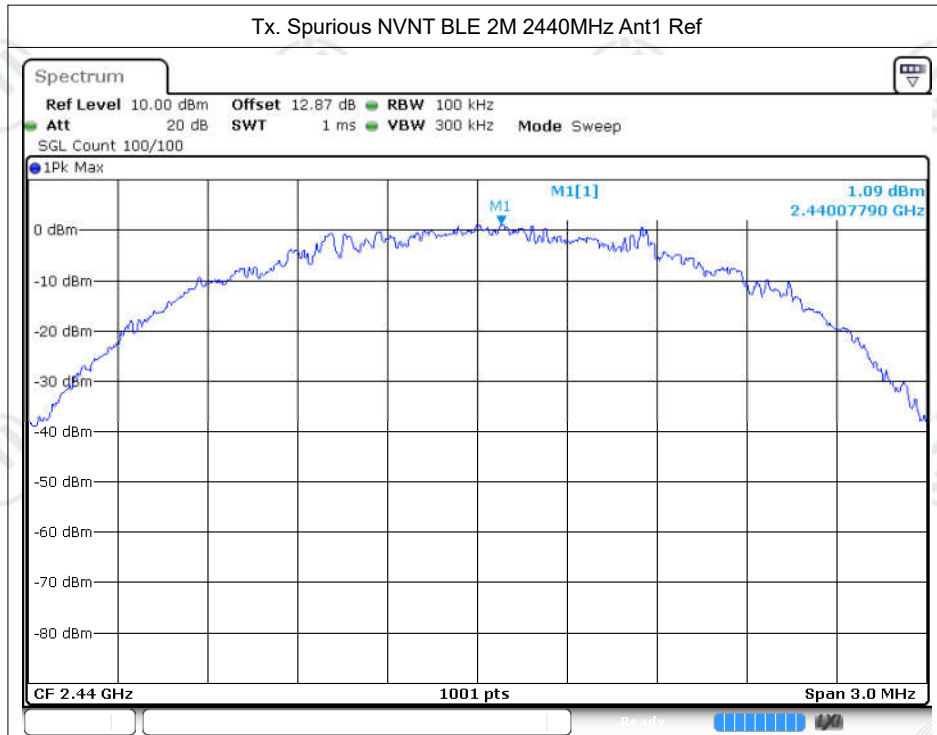


Date: 4. APR. 2023 09:52:45

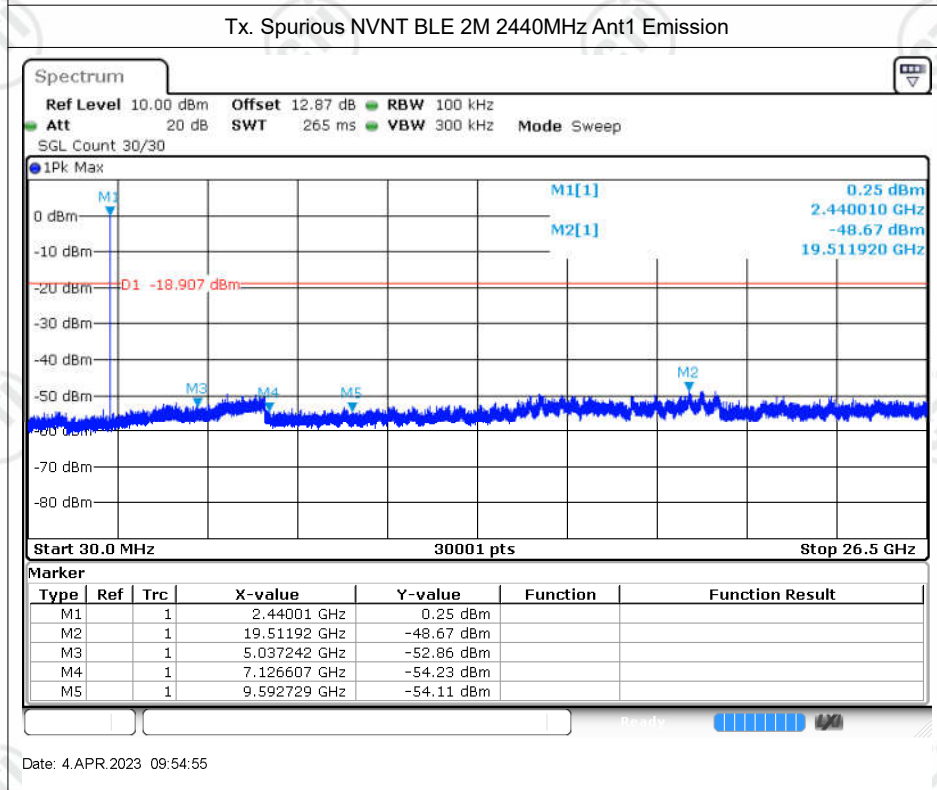


Date: 4. APR. 2023 09:53:15

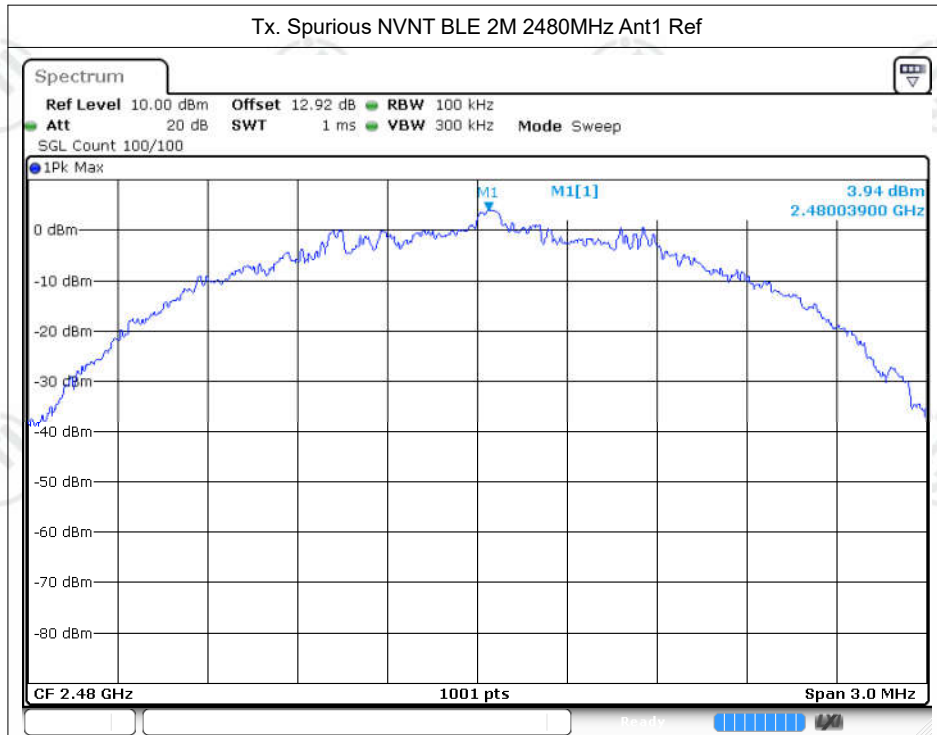




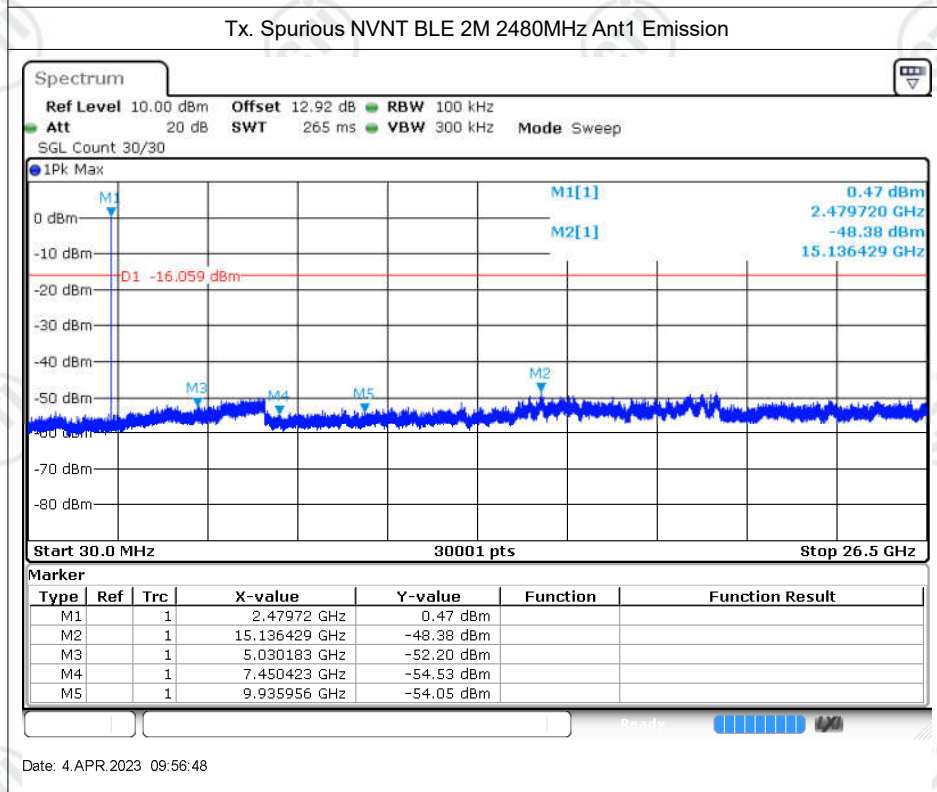
Date: 4. APR. 2023 09:54:25



Date: 4. APR. 2023 09:54:55



Date: 4. APR. 2023 09:56:19



Date: 4. APR. 2023 09:56:48

\*\*\* End of Report \*\*\*