

Appendix: Bluetooth LE of right ear

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 7

-6dB Bandwidth 11

Occupied Channel Bandwidth 15

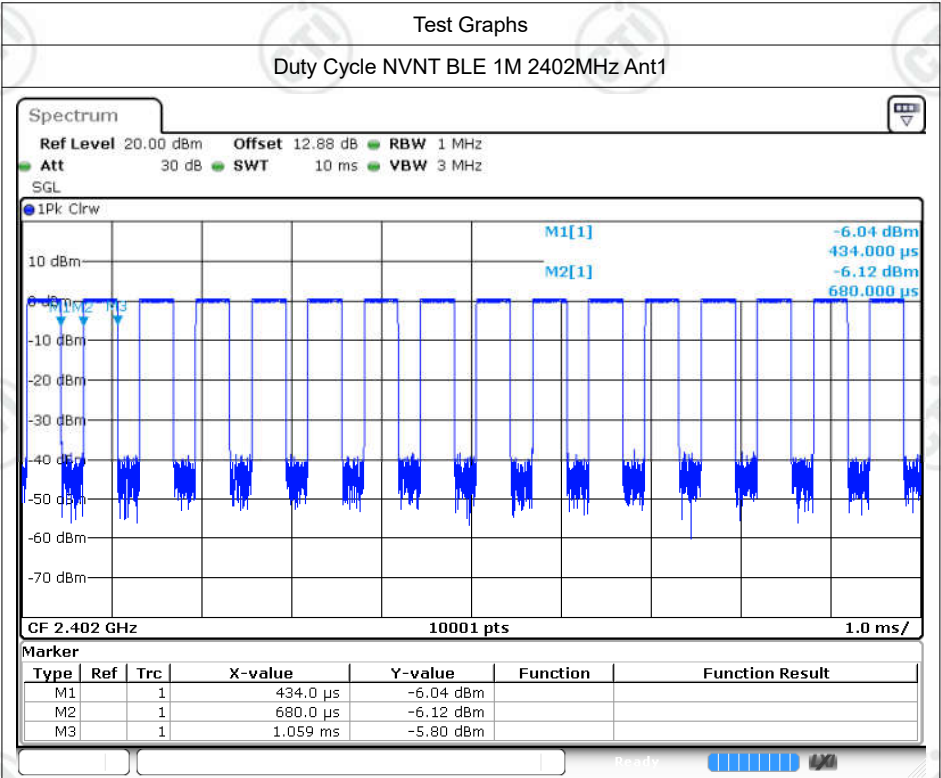
Maximum Power Spectral Density Level 19

Band Edge 23

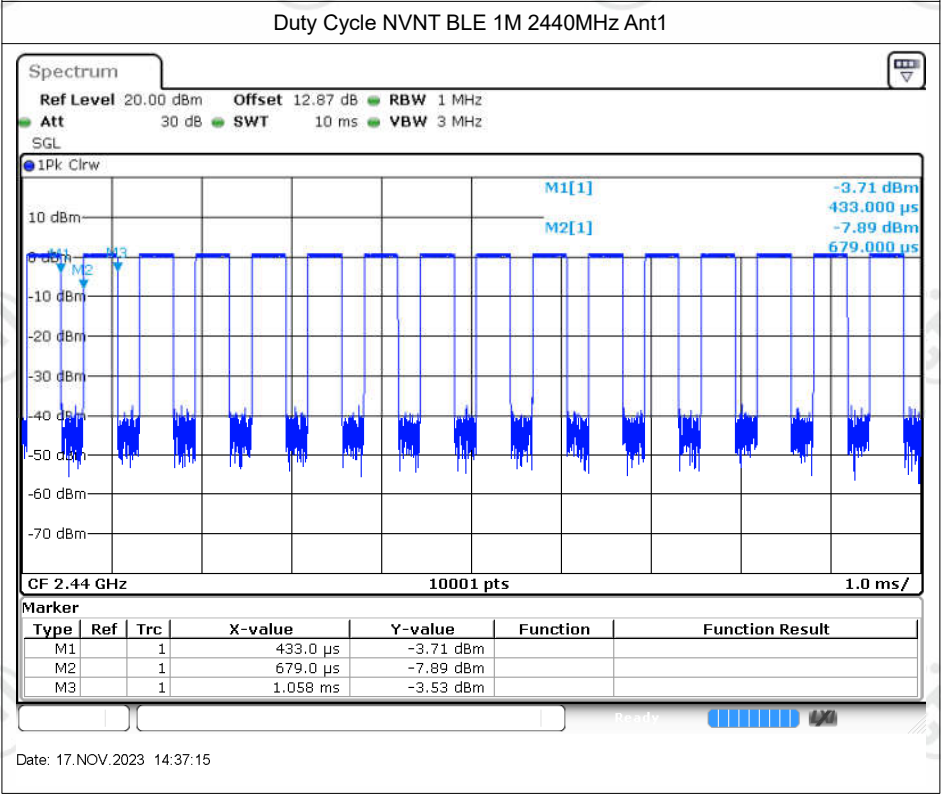
Conducted RF Spurious Emission 28

Duty Cycle

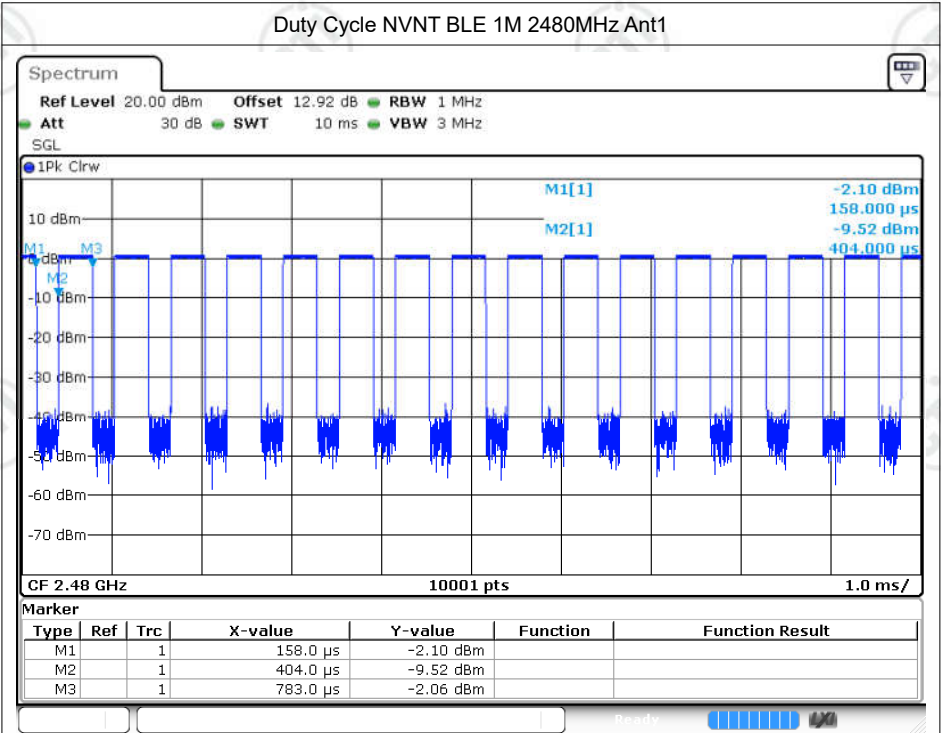
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	60.64	2.17	2.64
NVNT	BLE 1M	2440	Ant1	60.64	2.17	2.64
NVNT	BLE 1M	2480	Ant1	60.64	2.17	2.64
NVNT	BLE 2M	2404	Ant1	31.2	5.06	5.13
NVNT	BLE 2M	2440	Ant1	31.36	5.04	5.1
NVNT	BLE 2M	2478	Ant1	31.36	5.04	5.1



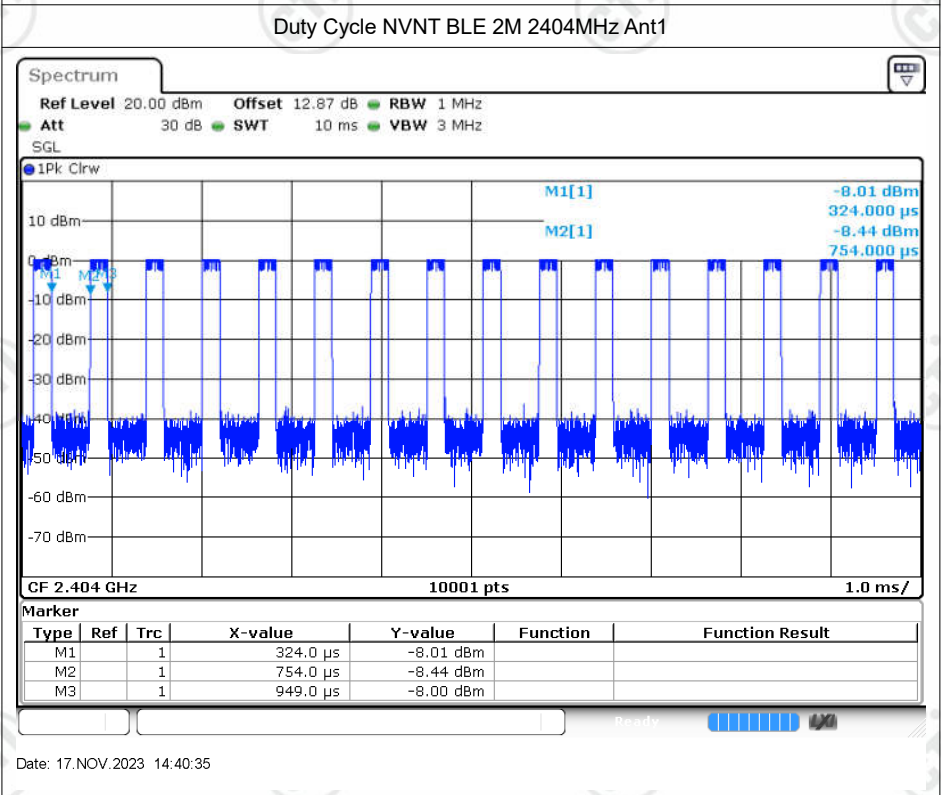
Date: 17.NOV.2023 14:33:19



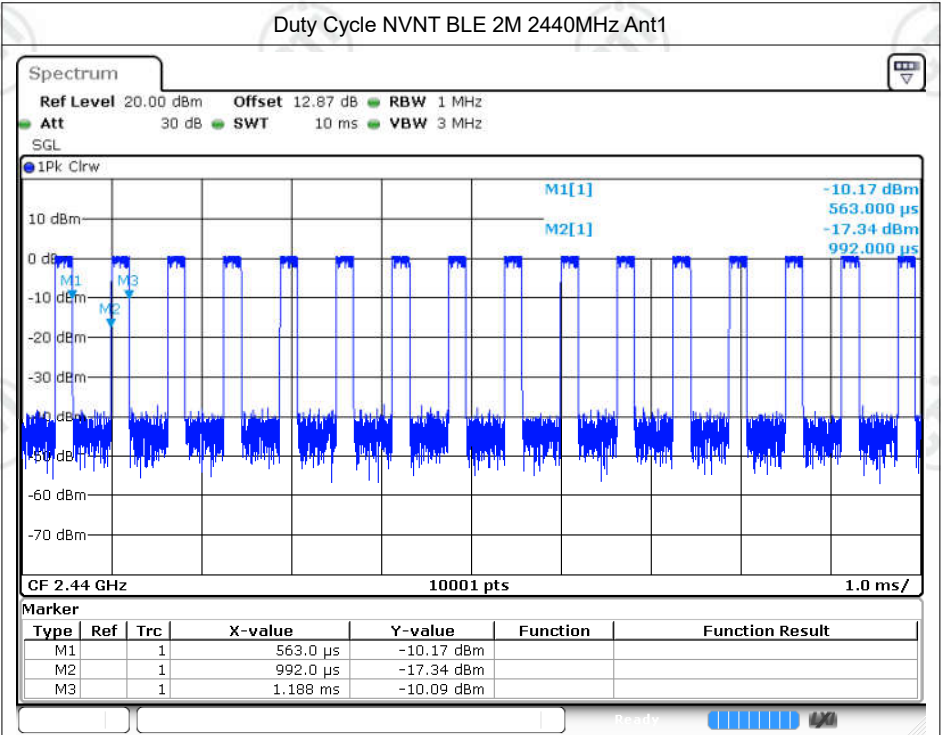
Date: 17.NOV.2023 14:37:15



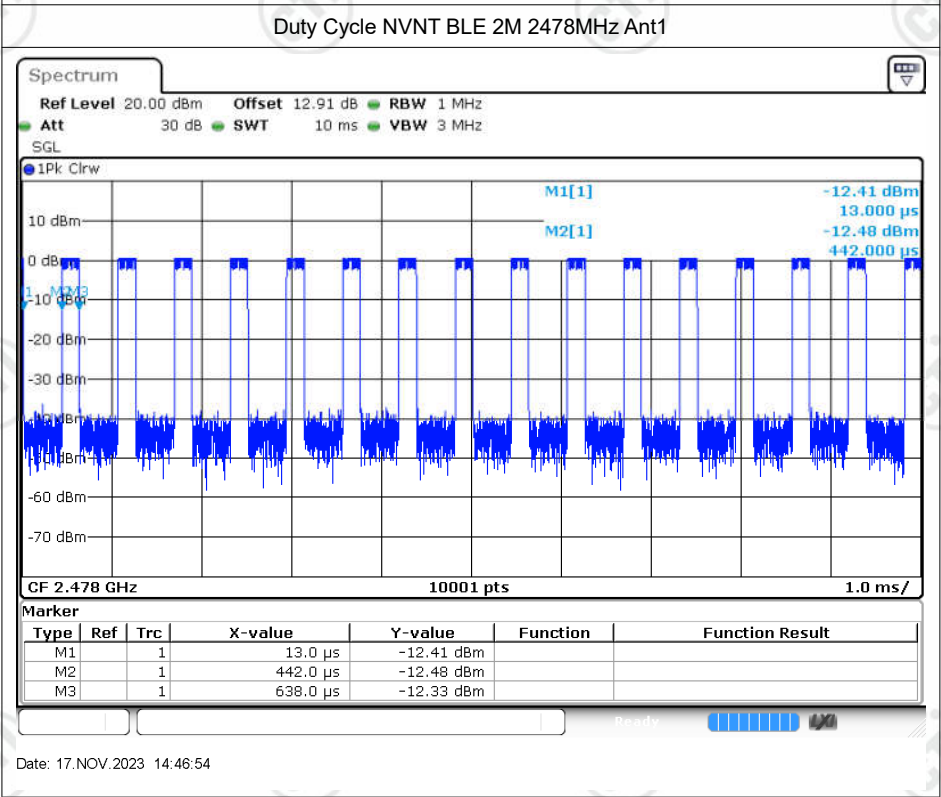
Date: 17.NOV.2023 14:38:47



Date: 17.NOV.2023 14:40:35



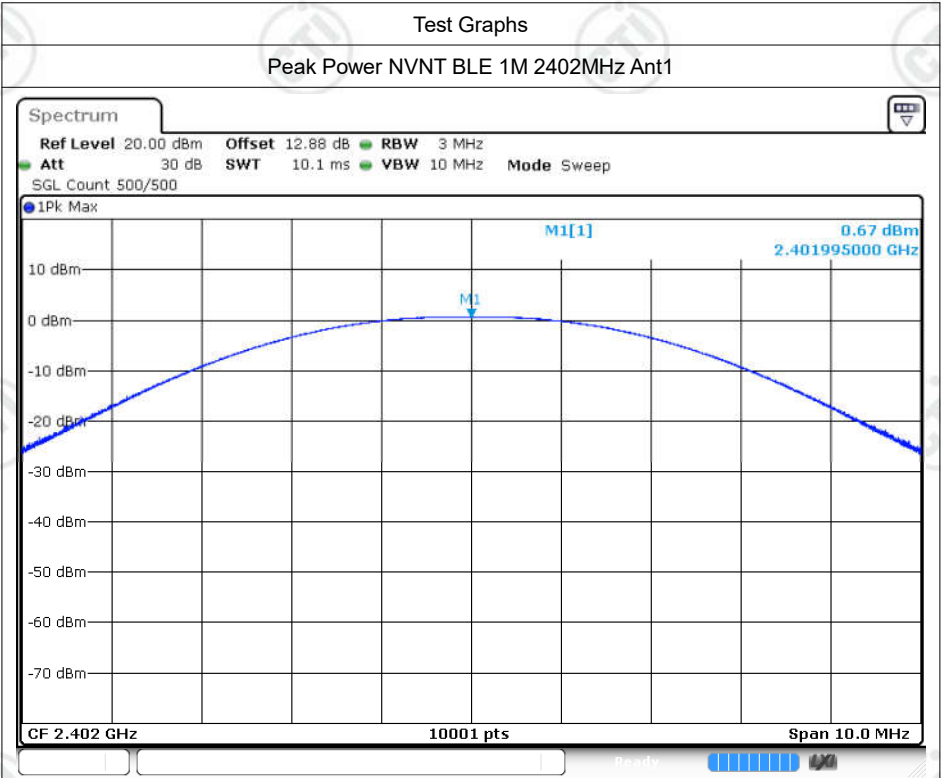
Date: 17.NOV.2023 14:42:30



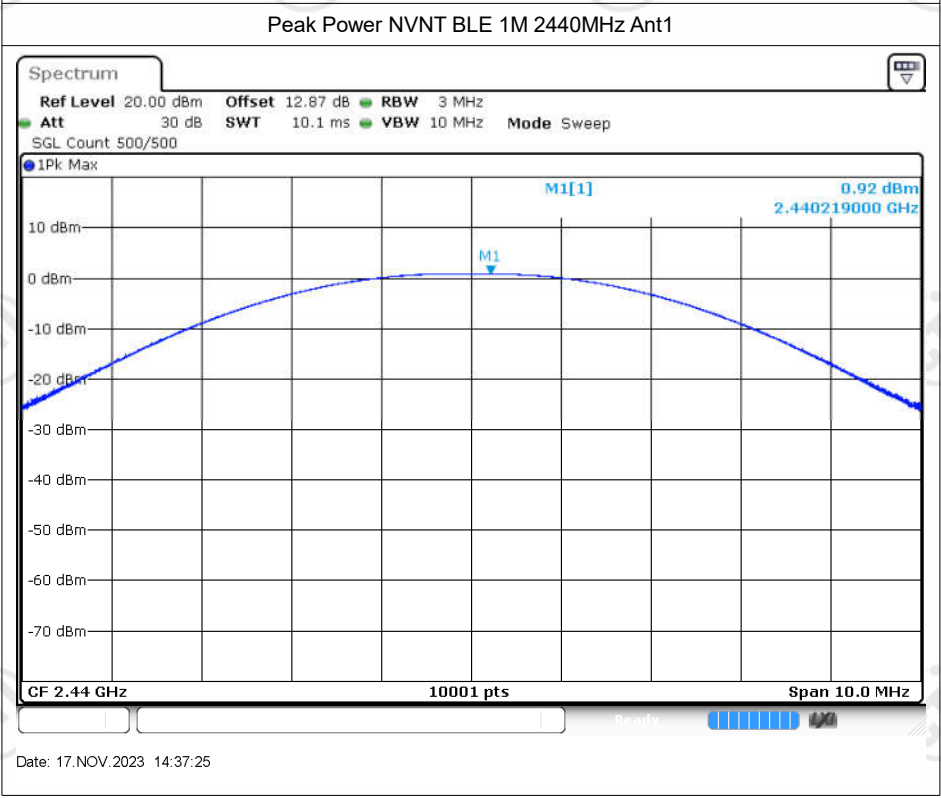
Date: 17.NOV.2023 14:46:54

Maximum Peak Conducted Output Power

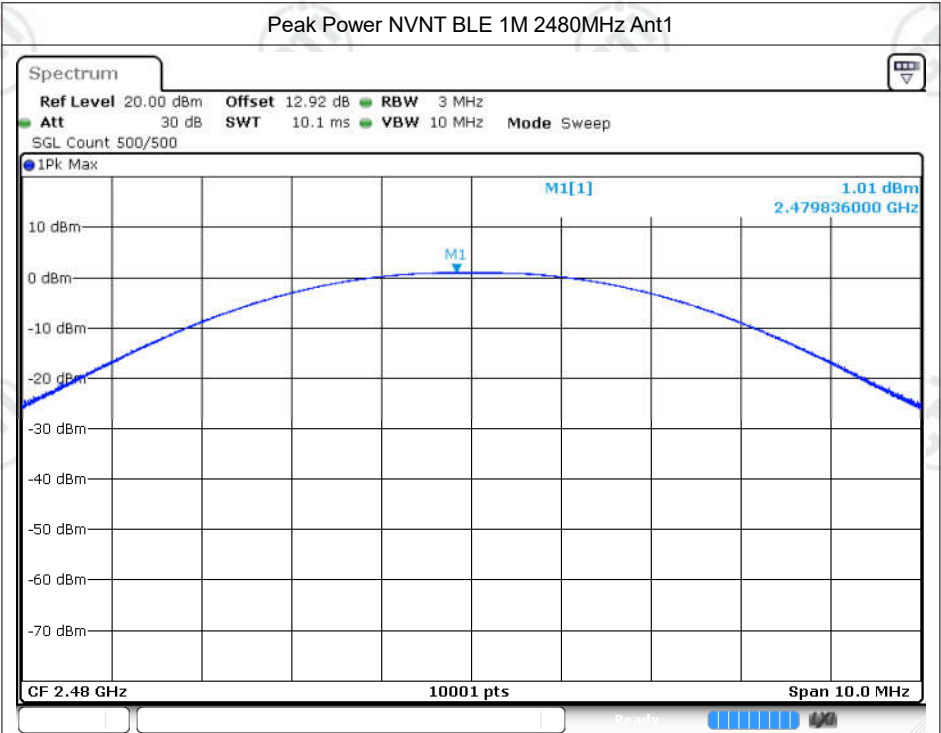
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.67	30	Pass
NVNT	BLE 1M	2440	Ant1	0.92	30	Pass
NVNT	BLE 1M	2480	Ant1	1.01	30	Pass
NVNT	BLE 2M	2404	Ant1	0.66	30	Pass
NVNT	BLE 2M	2440	Ant1	0.9	30	Pass
NVNT	BLE 2M	2478	Ant1	1	30	Pass



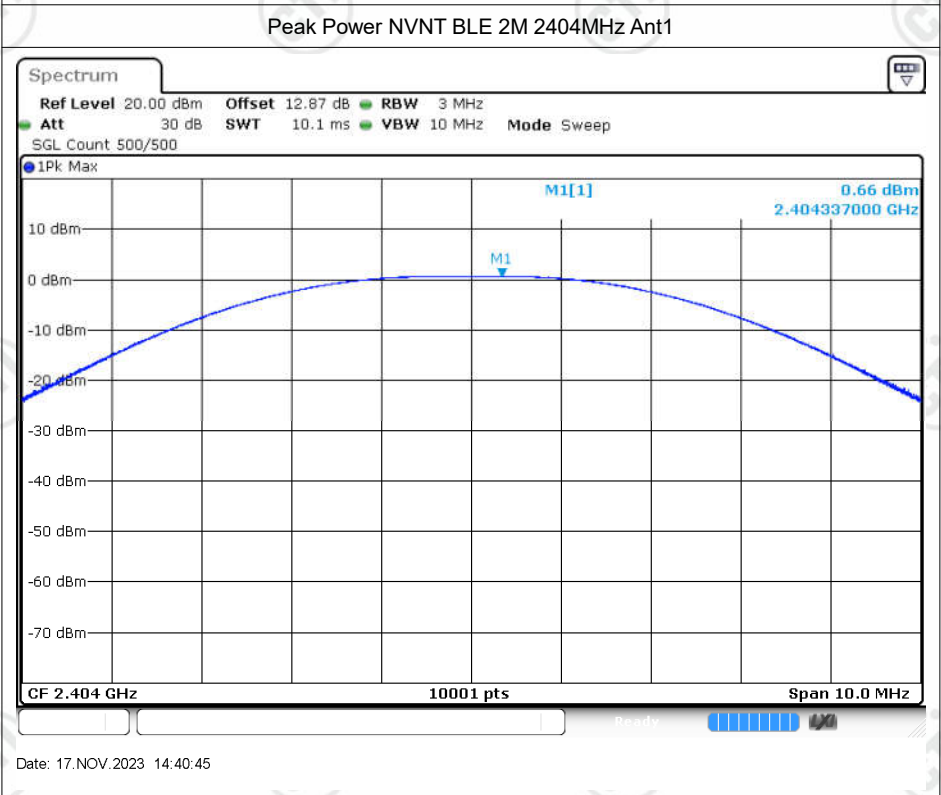
Date: 17.NOV.2023 14:33:29



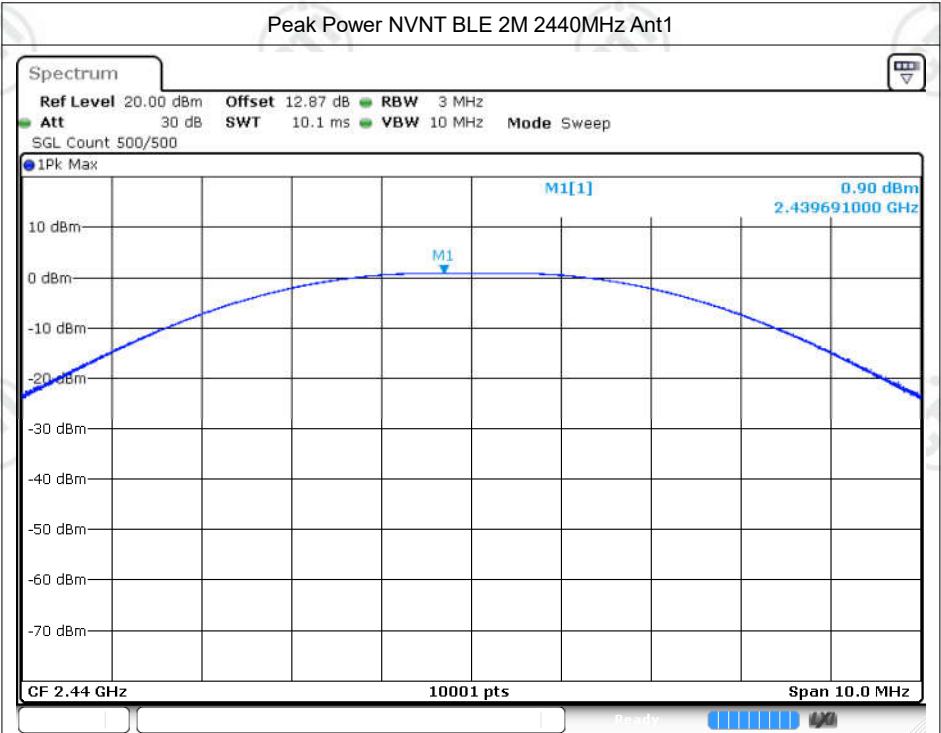
Date: 17.NOV.2023 14:37:25



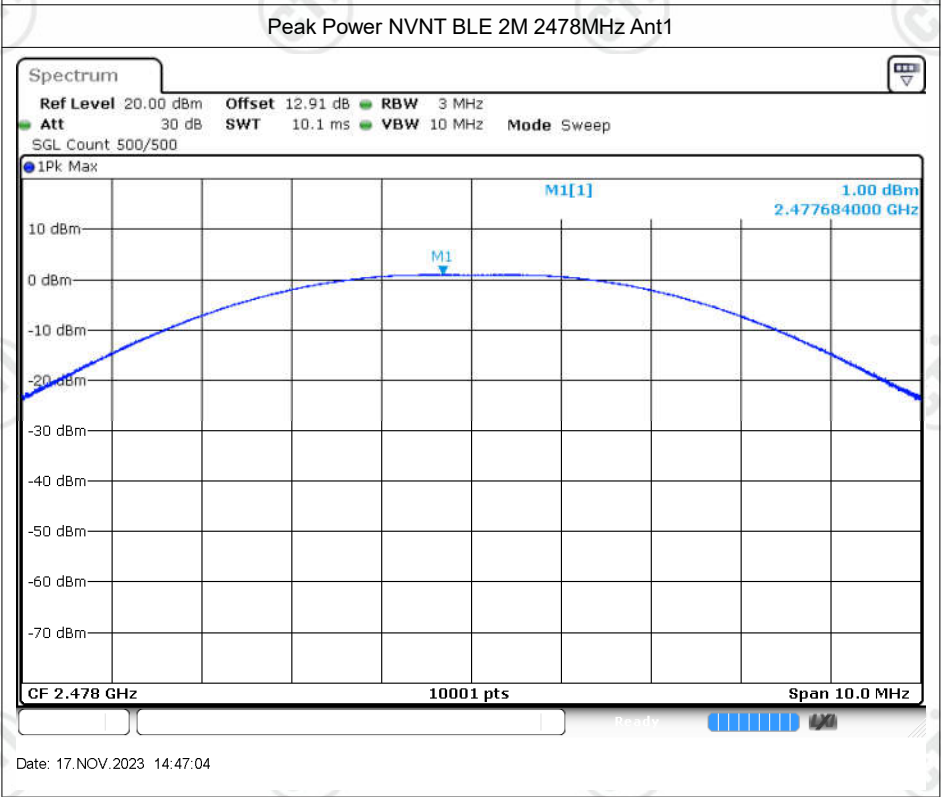
Date: 17.NOV.2023 14:38:57



Date: 17.NOV.2023 14:40:45



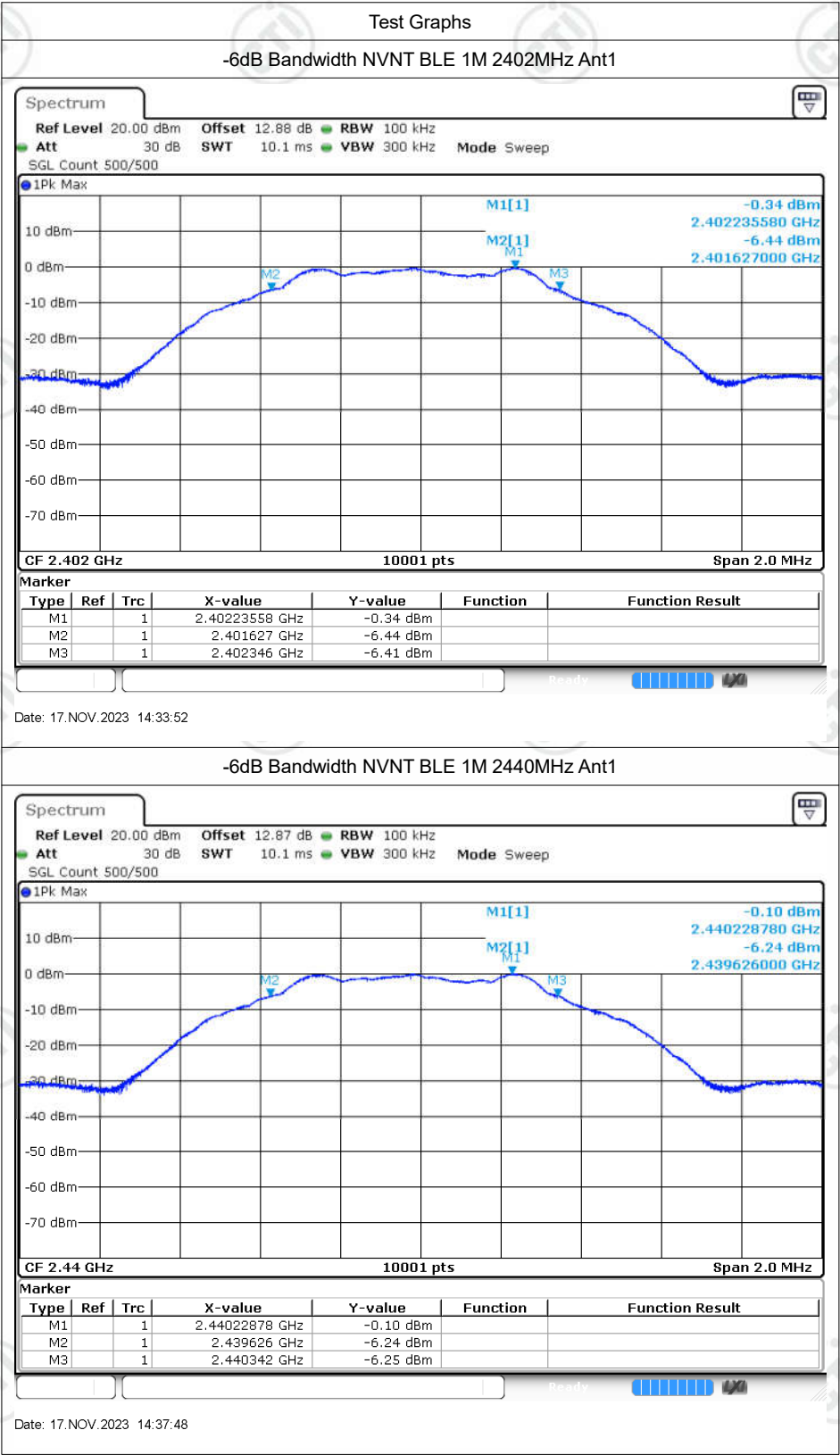
Date: 17.NOV.2023 14:42:40

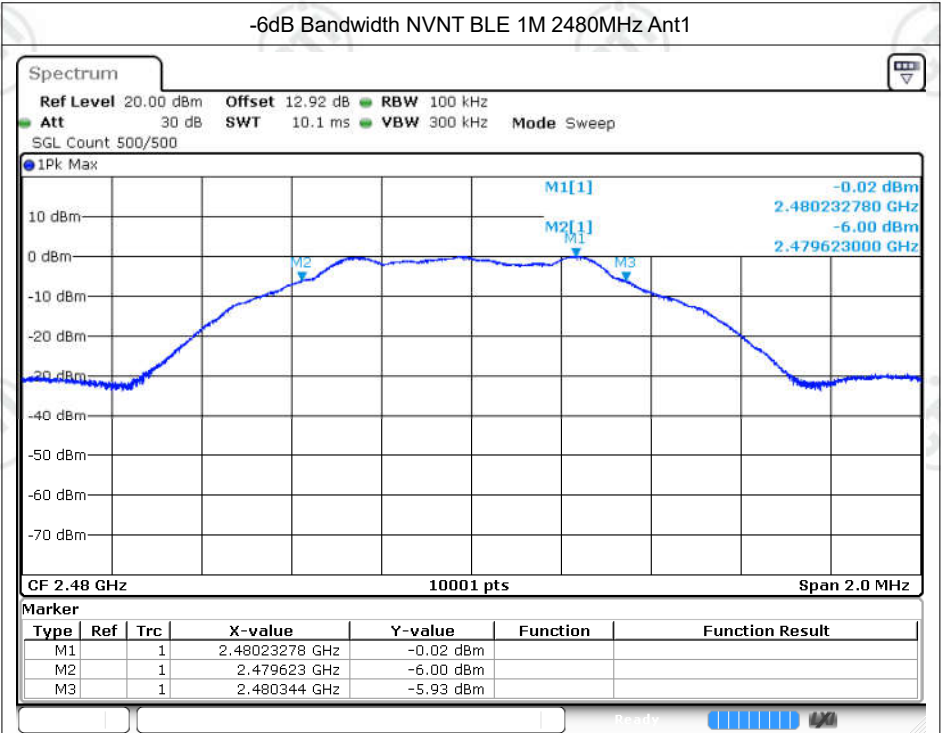


Date: 17.NOV.2023 14:47:04

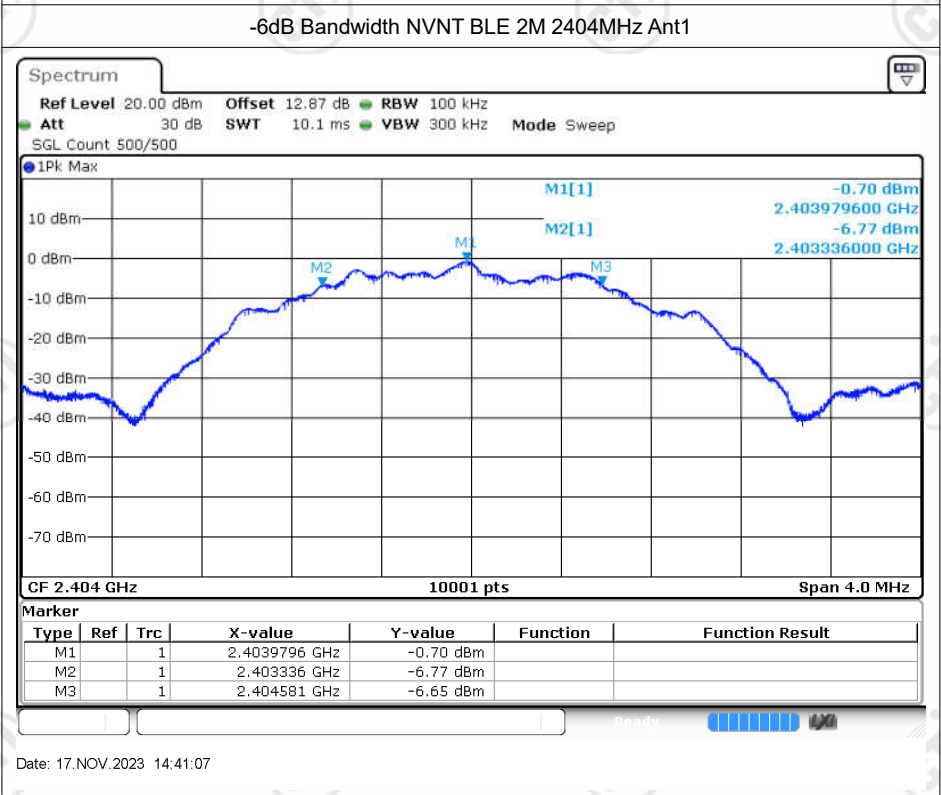
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.72	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.715	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.721	0.5	Pass
NVNT	BLE 2M	2404	Ant1	1.246	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.25	0.5	Pass
NVNT	BLE 2M	2478	Ant1	1.249	0.5	Pass

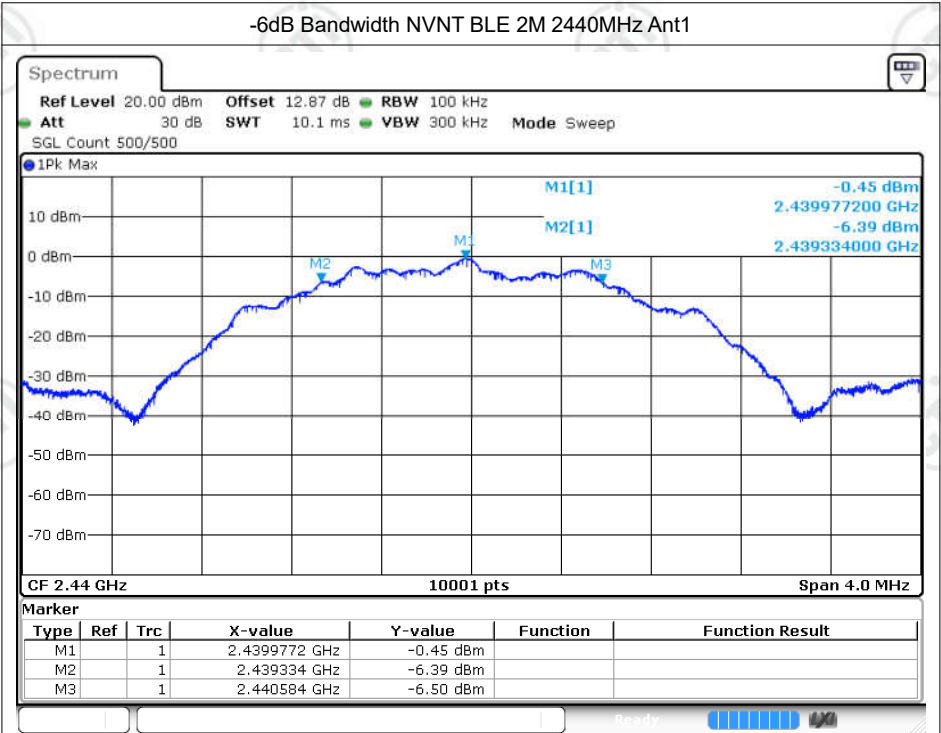




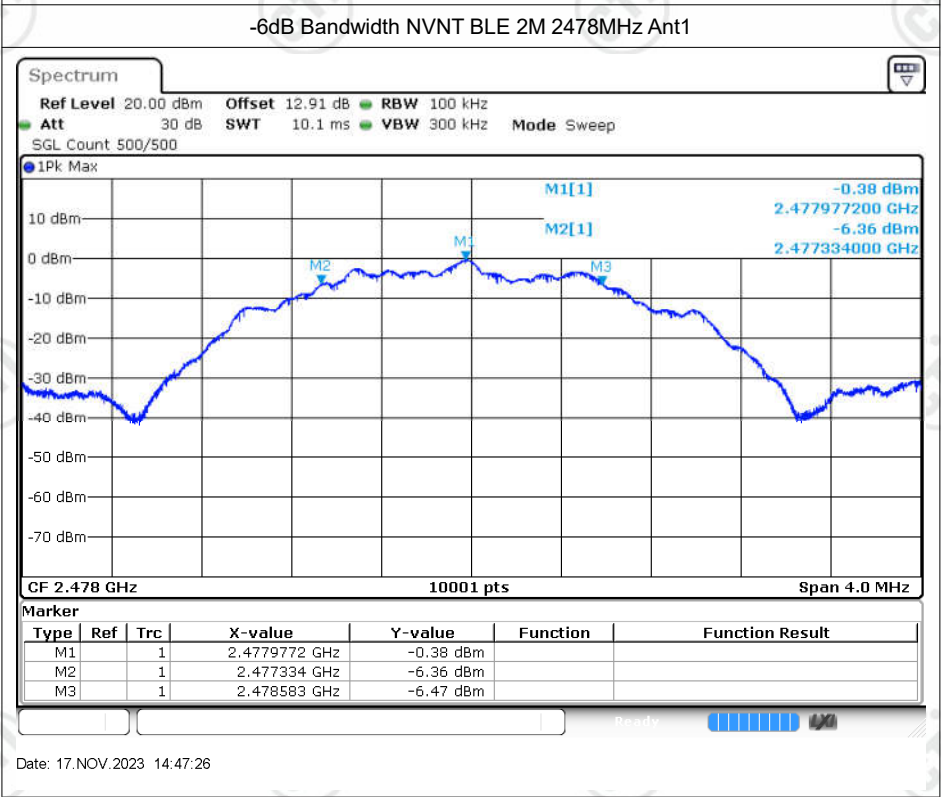
Date: 17.NOV.2023 14:39:20



Date: 17.NOV.2023 14:41:07



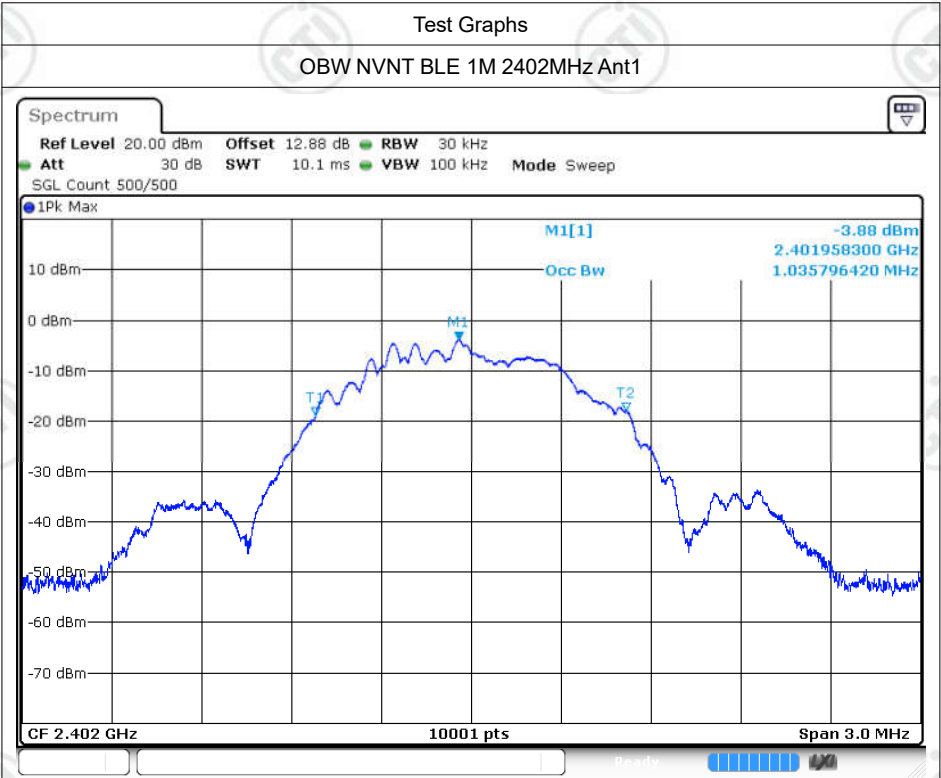
Date: 17.NOV.2023 14:43:02



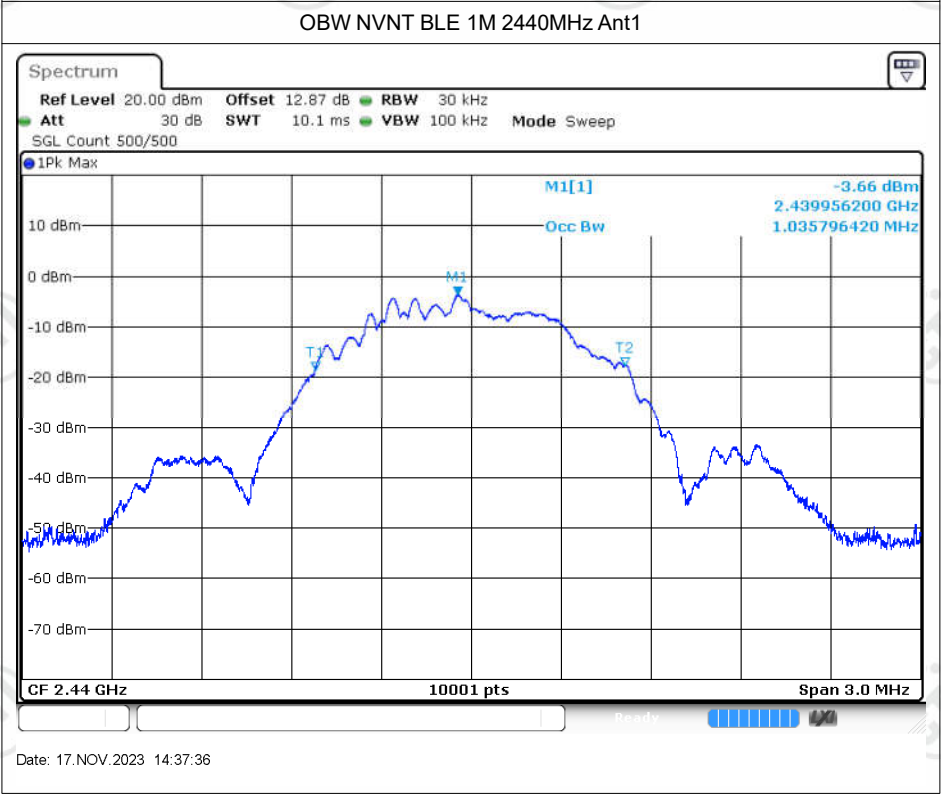
Date: 17.NOV.2023 14:47:26

Occupied Channel Bandwidth

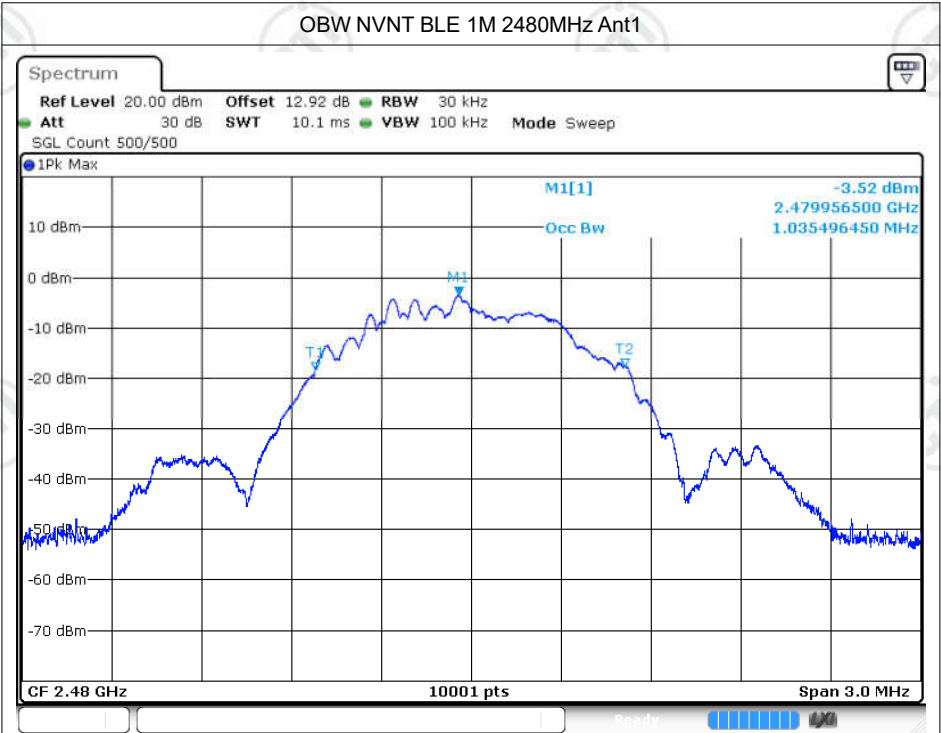
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.036
NVNT	BLE 1M	2440	Ant1	1.036
NVNT	BLE 1M	2480	Ant1	1.035
NVNT	BLE 2M	2404	Ant1	2.062
NVNT	BLE 2M	2440	Ant1	2.062
NVNT	BLE 2M	2478	Ant1	2.062



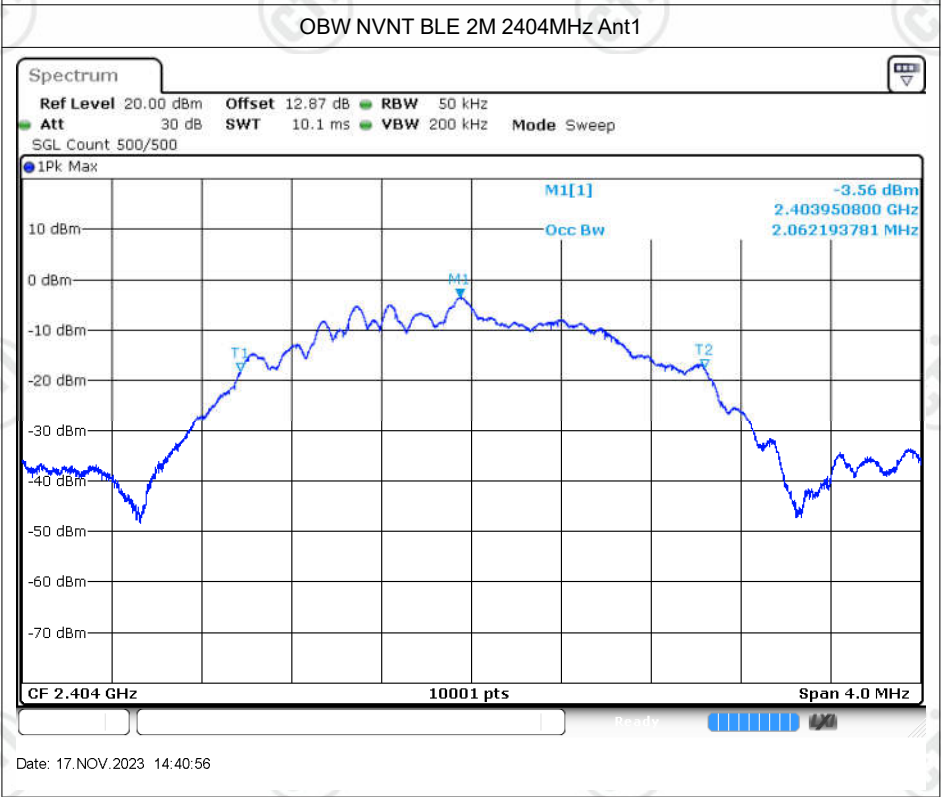
Date: 17.NOV.2023 14:33:40



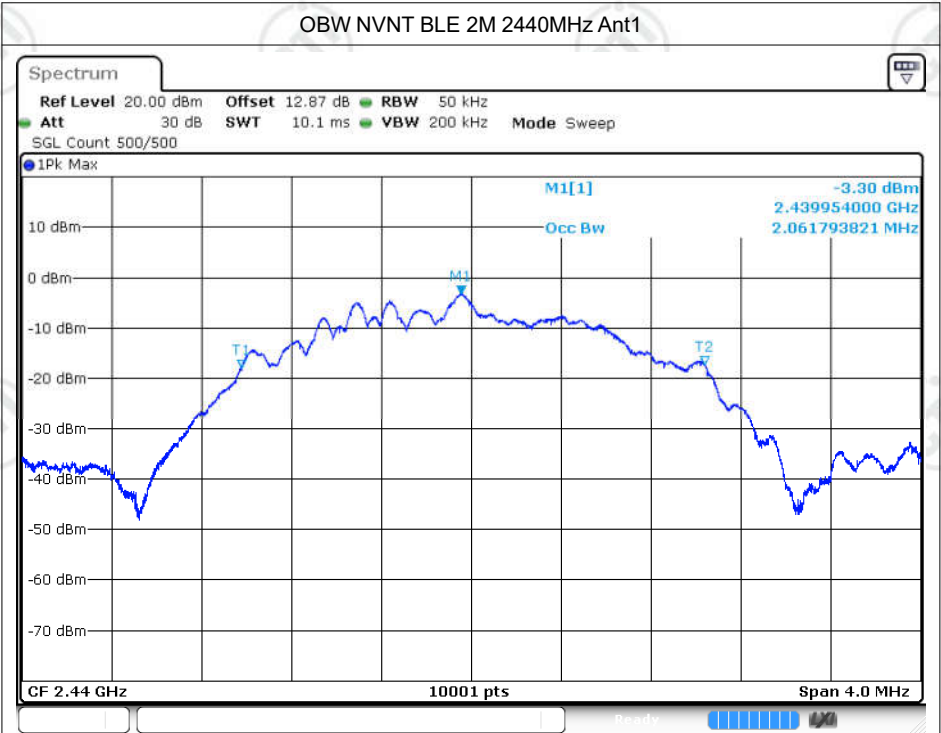
Date: 17.NOV.2023 14:37:36



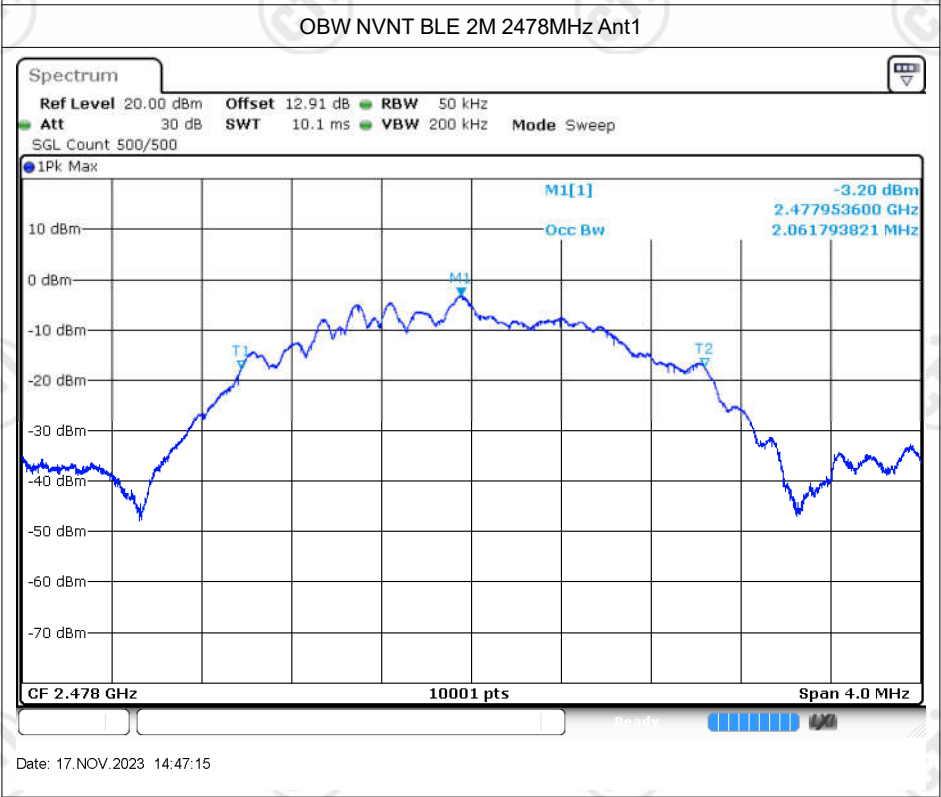
Date: 17.NOV.2023 14:39:09



Date: 17.NOV.2023 14:40:56



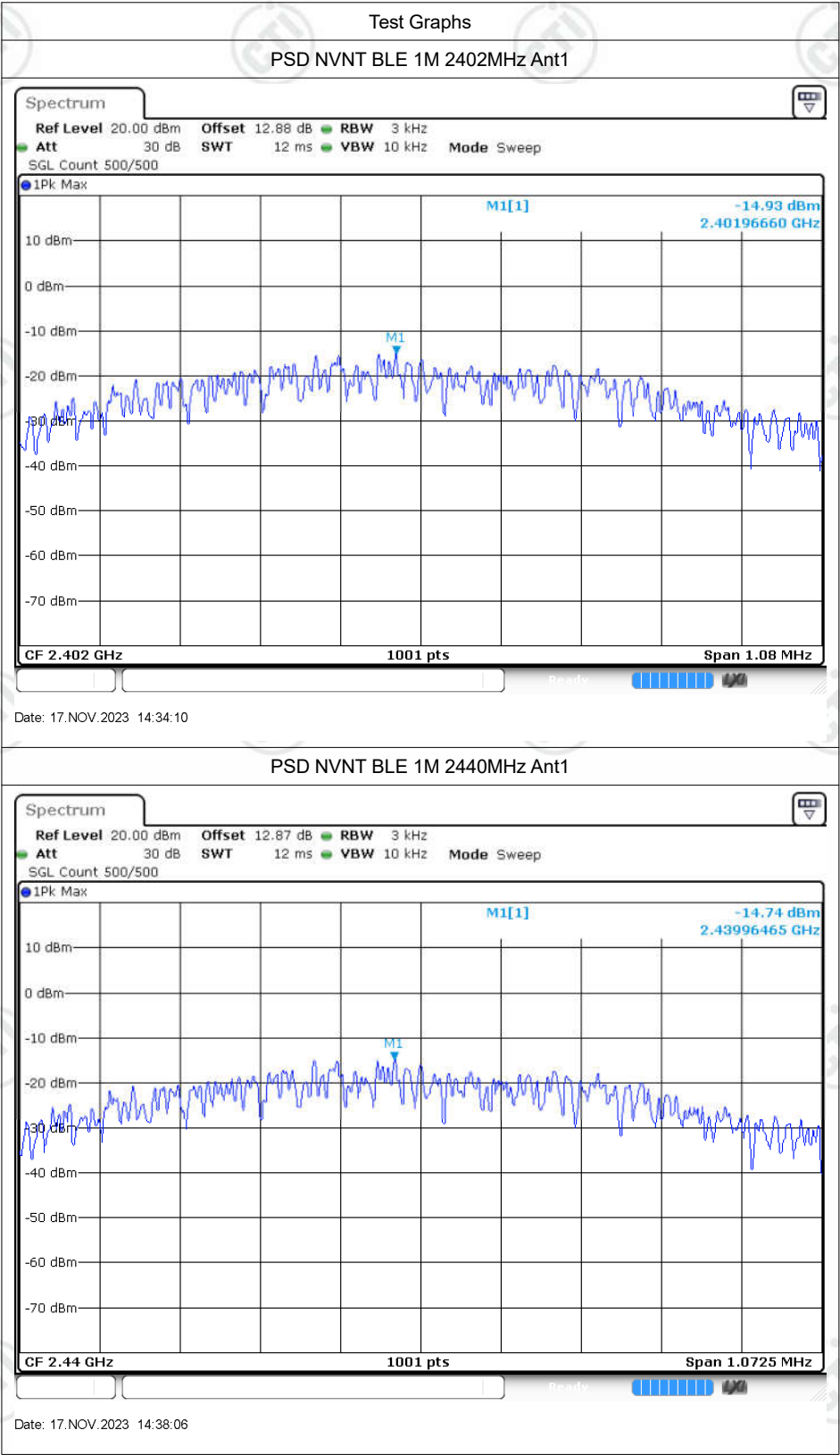
Date: 17.NOV.2023 14:42:51

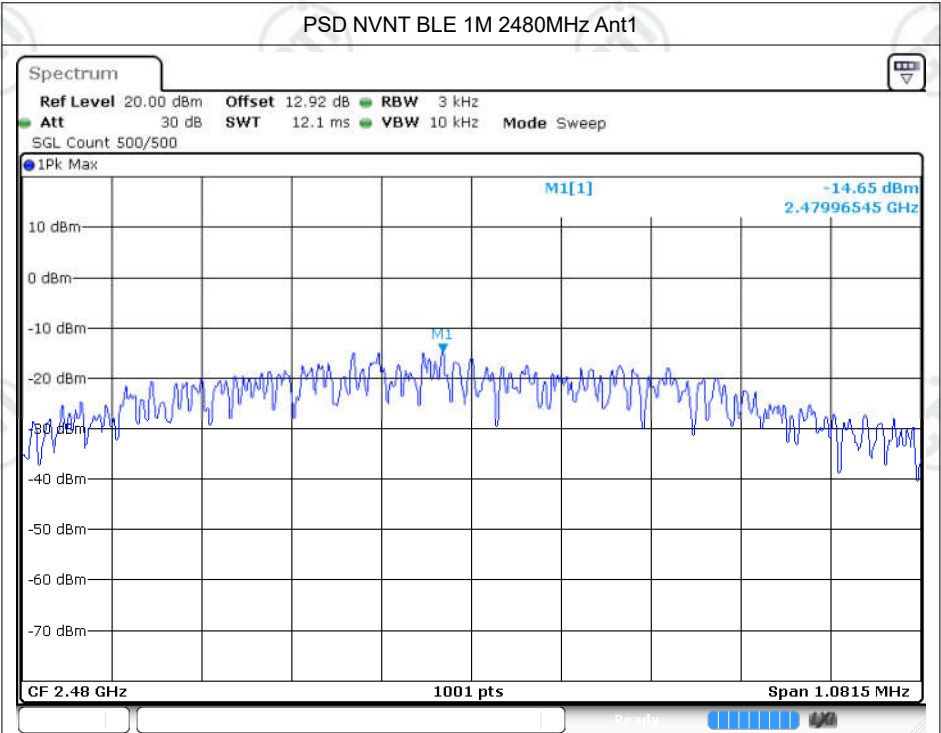


Date: 17.NOV.2023 14:47:15

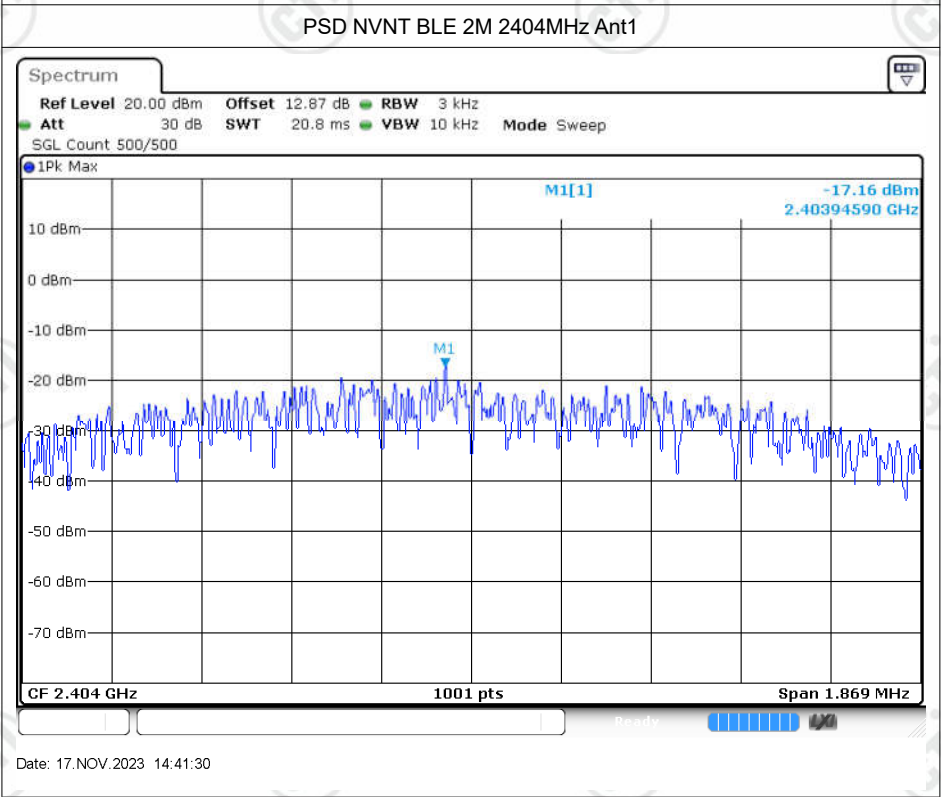
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-14.93	8	Pass
NVNT	BLE 1M	2440	Ant1	-14.74	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.65	8	Pass
NVNT	BLE 2M	2404	Ant1	-17.16	8	Pass
NVNT	BLE 2M	2440	Ant1	-16.93	8	Pass
NVNT	BLE 2M	2478	Ant1	-16.82	8	Pass

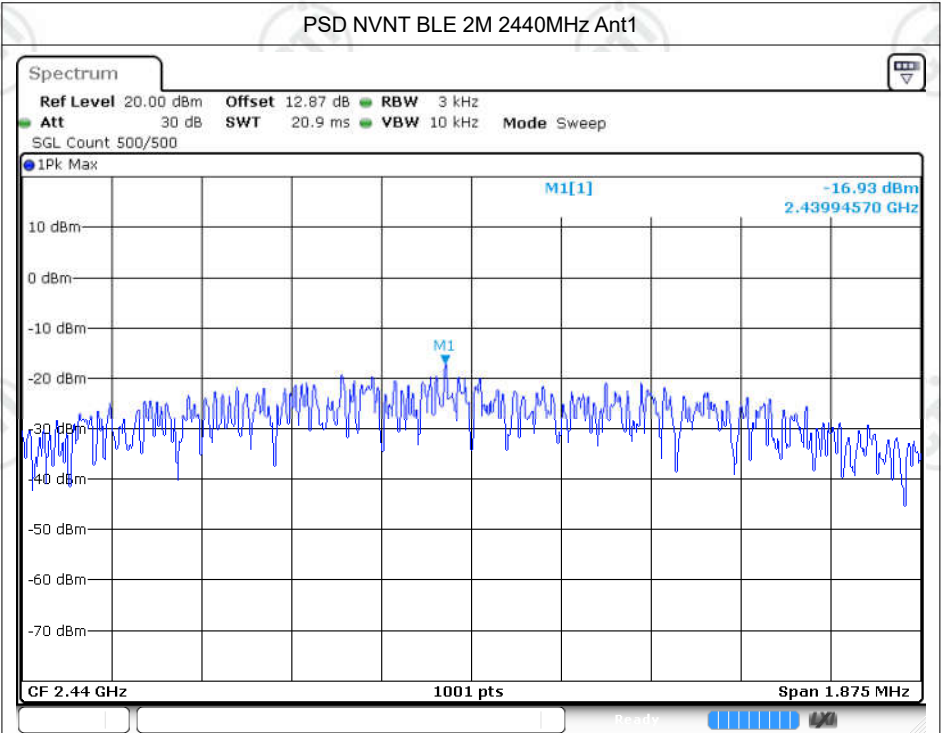




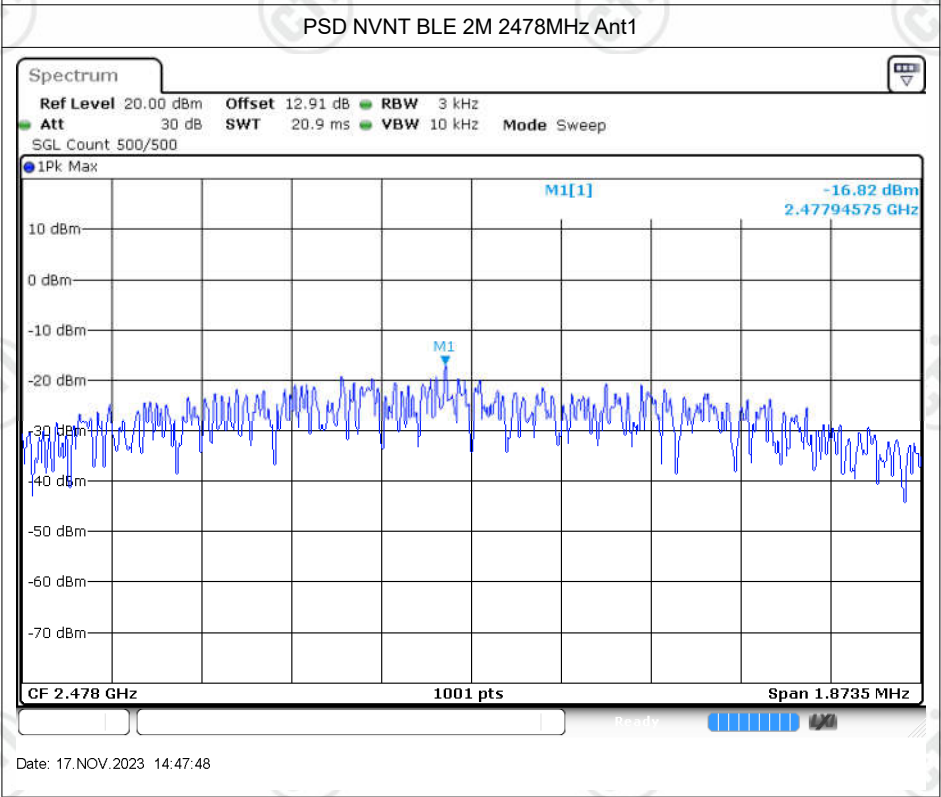
Date: 17.NOV.2023 14:39:38



Date: 17.NOV.2023 14:41:30



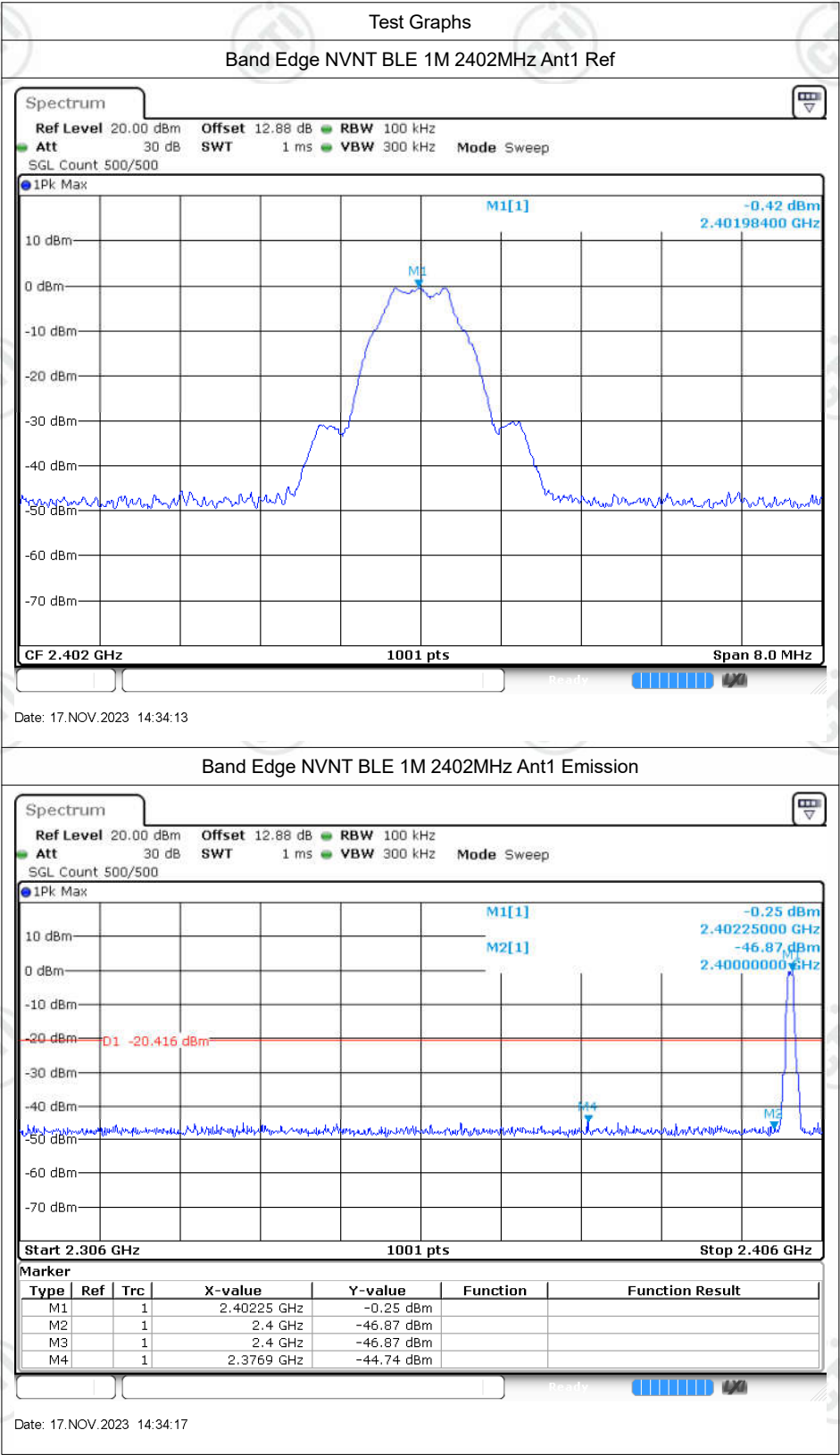
Date: 17.NOV.2023 14:43:25

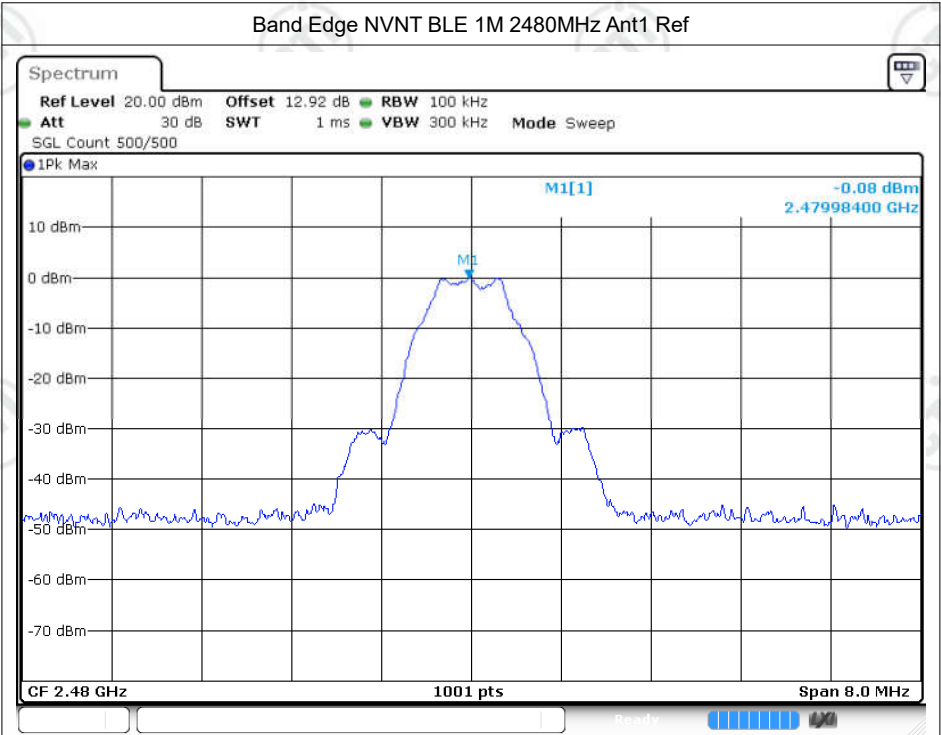


Date: 17.NOV.2023 14:47:48

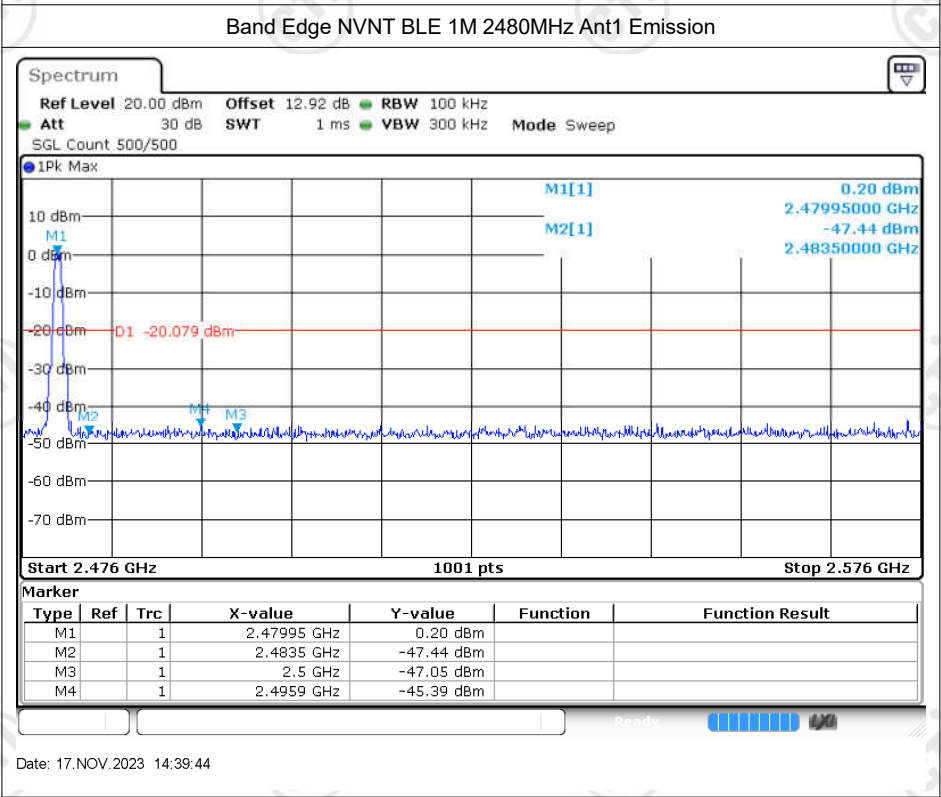
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.32	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.31	-20	Pass
NVNT	BLE 2M	2404	Ant1	-43.53	-20	Pass
NVNT	BLE 2M	2478	Ant1	-44.22	-20	Pass

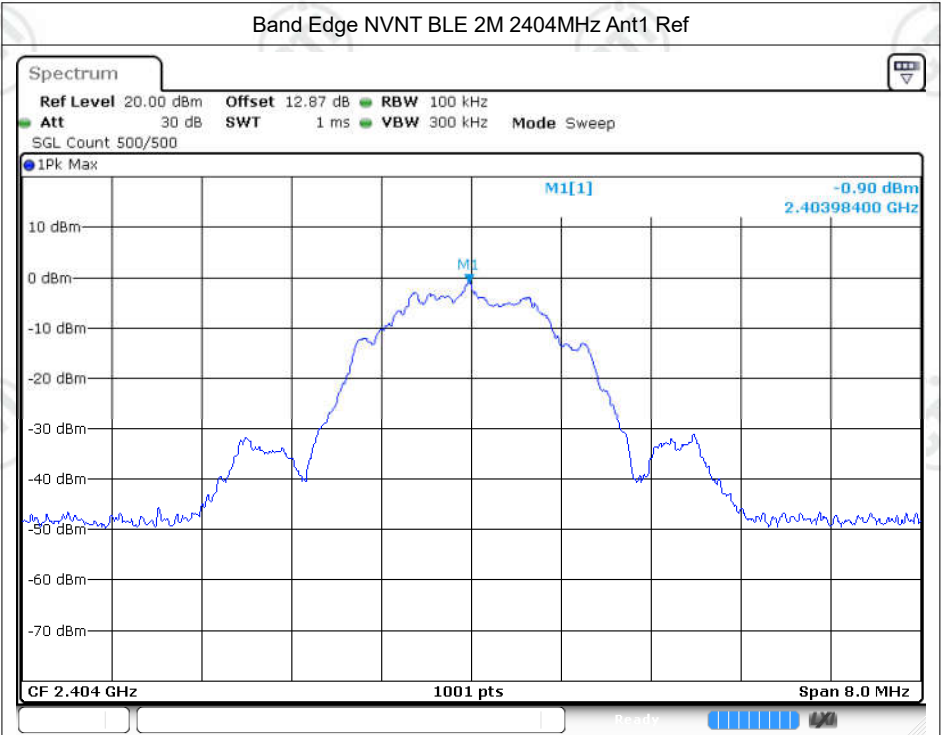




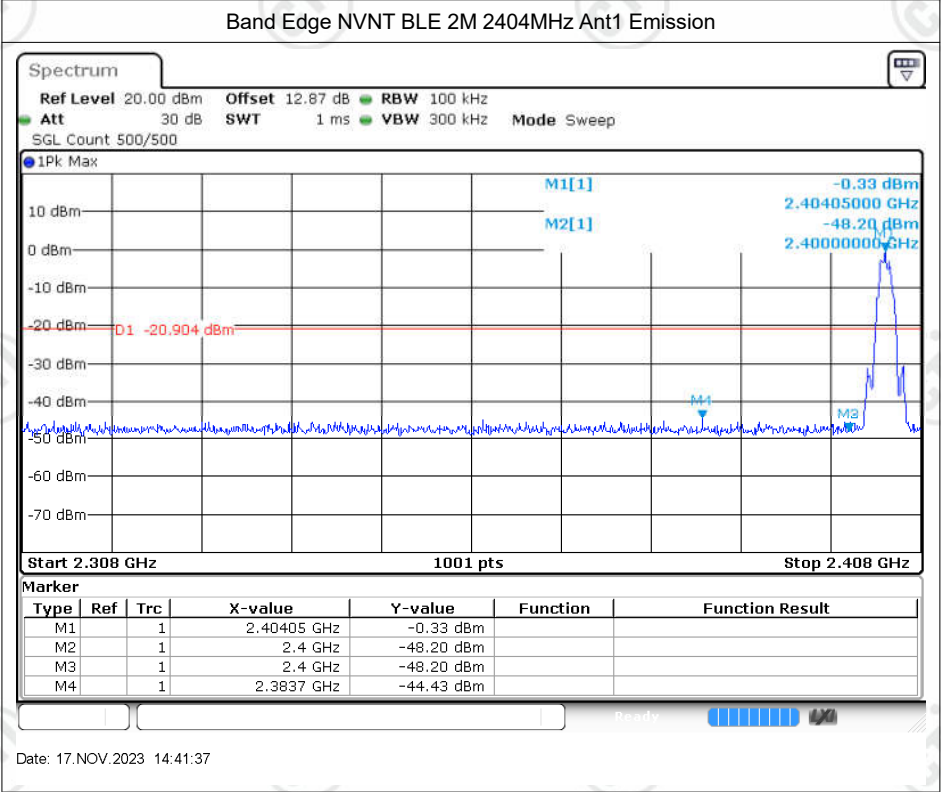
Date: 17.NOV.2023 14:39:41



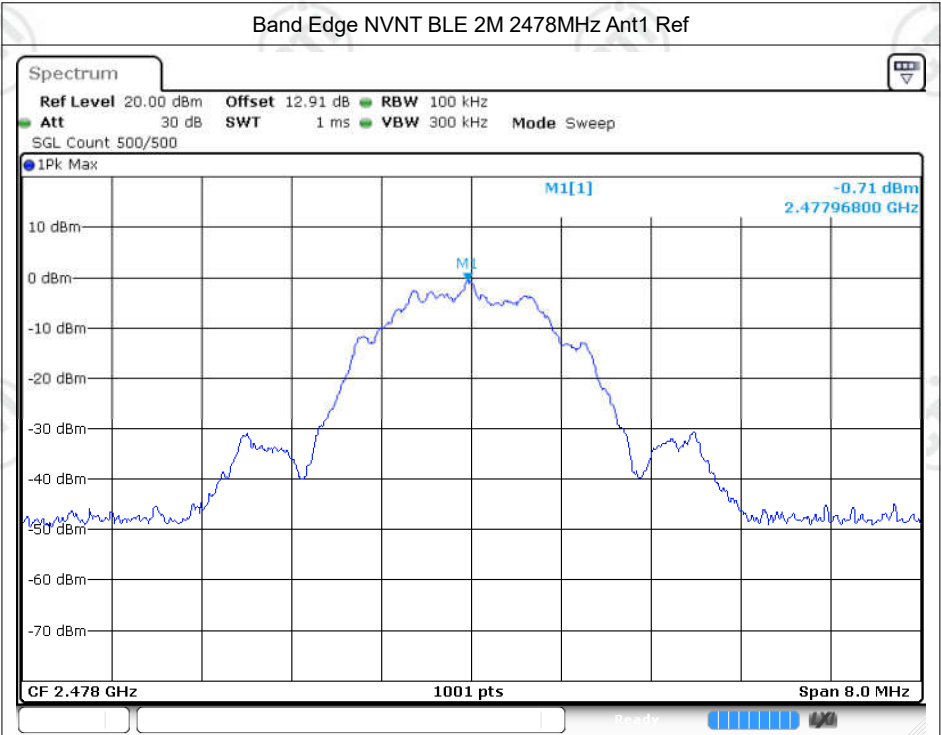
Date: 17.NOV.2023 14:39:44



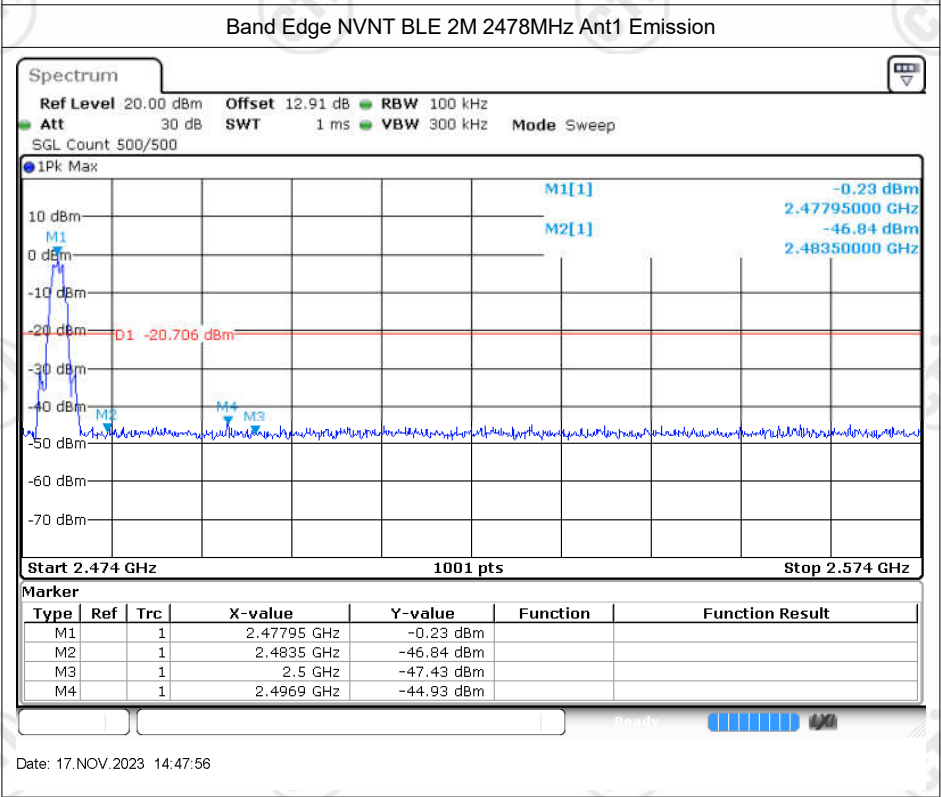
Date: 17.NOV.2023 14:41:33



Date: 17.NOV.2023 14:41:37



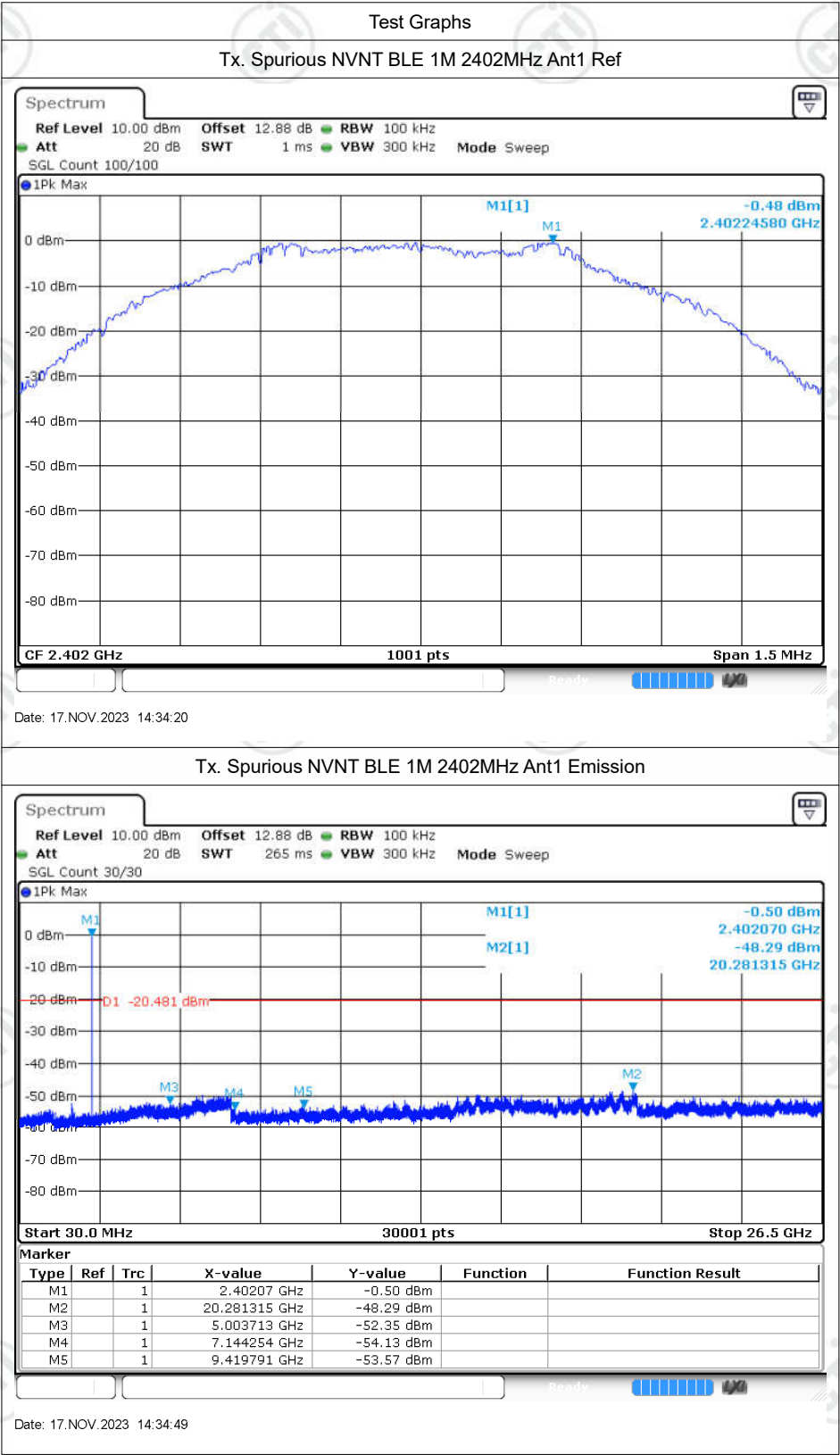
Date: 17.NOV.2023 14:47:54

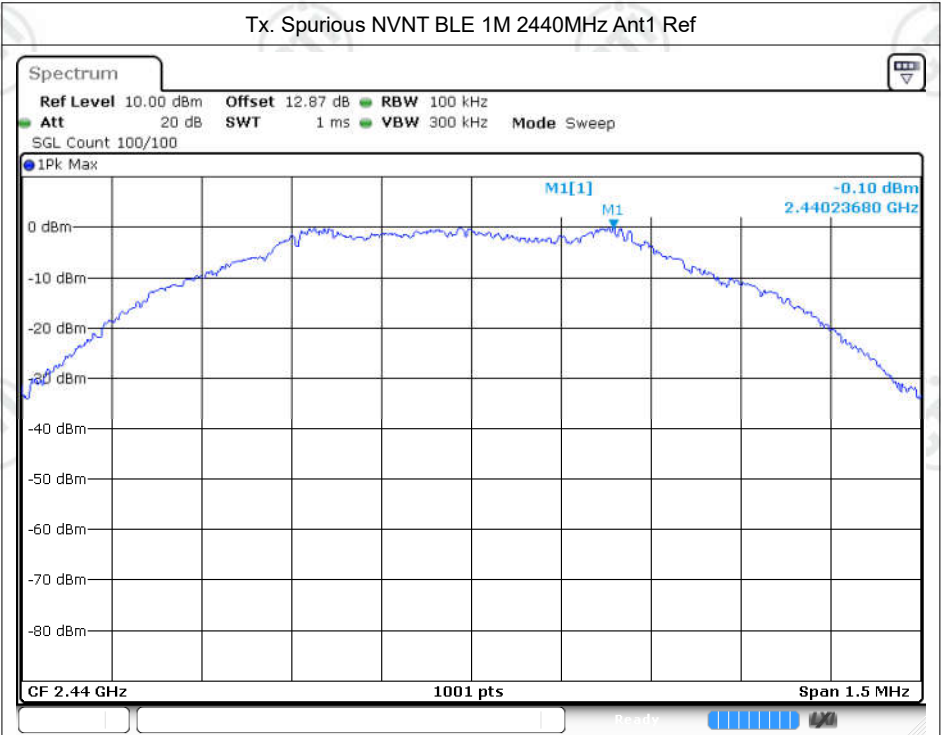


Date: 17.NOV.2023 14:47:56

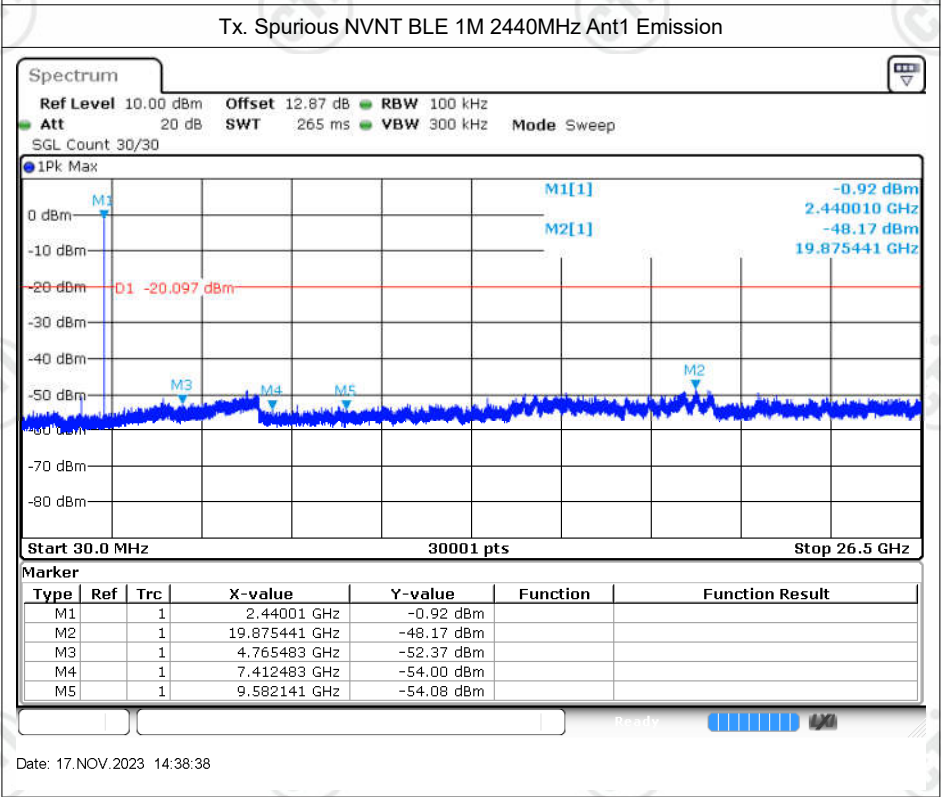
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.8	-20	Pass
NVNT	BLE 1M	2440	Ant1	-48.07	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.48	-20	Pass
NVNT	BLE 2M	2404	Ant1	-47.77	-20	Pass
NVNT	BLE 2M	2440	Ant1	-47.81	-20	Pass
NVNT	BLE 2M	2478	Ant1	-47.66	-20	Pass

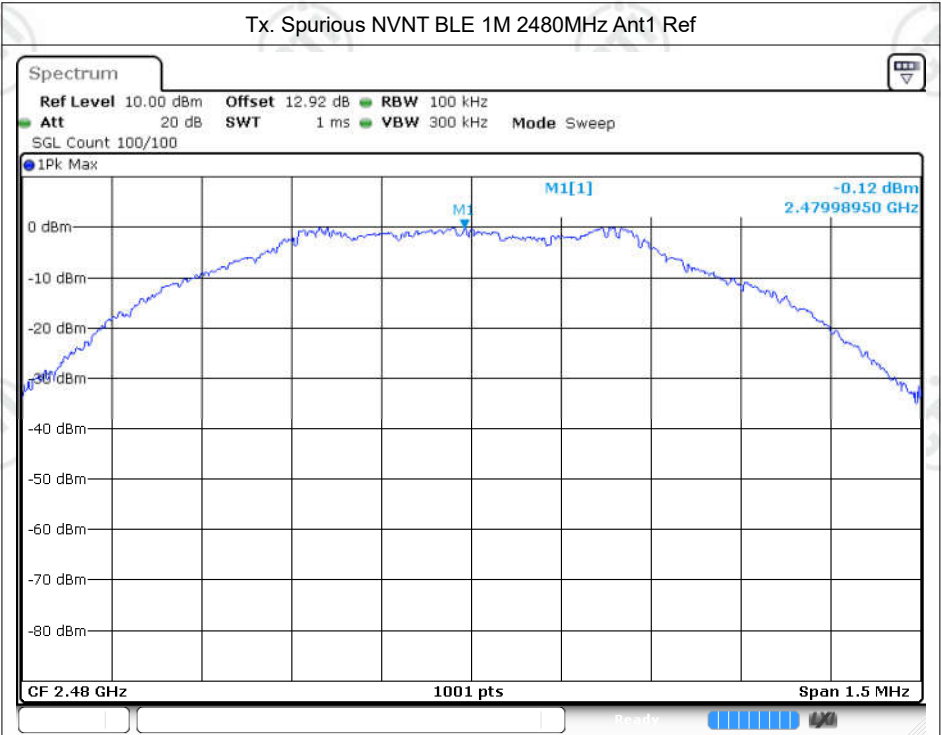




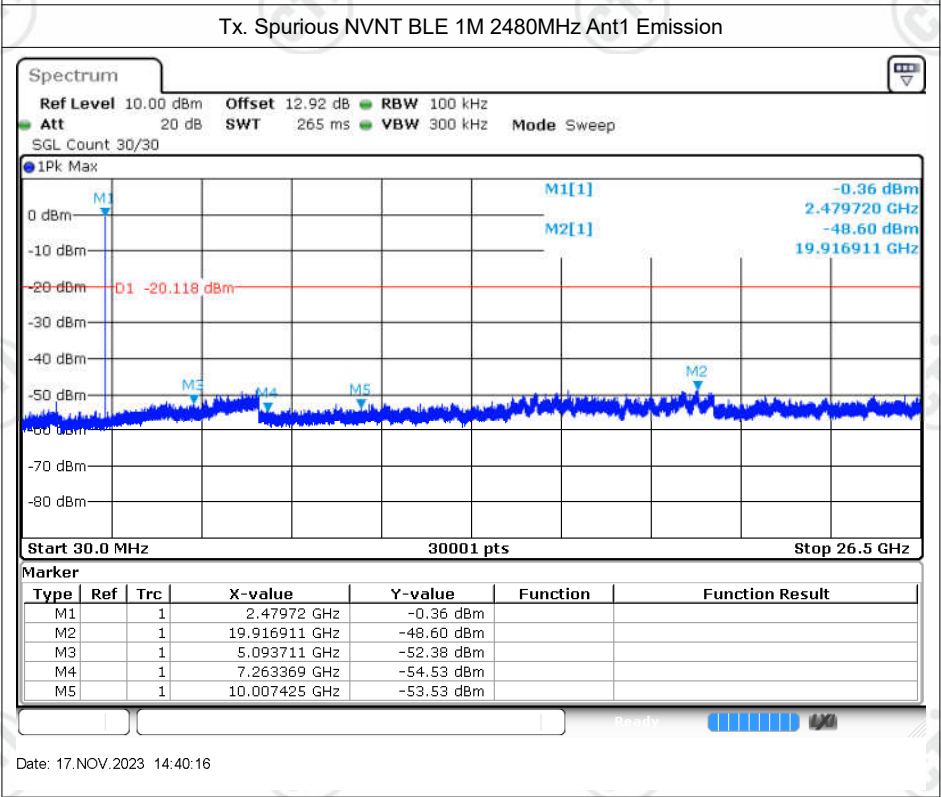
Date: 17.NOV.2023 14:38:09



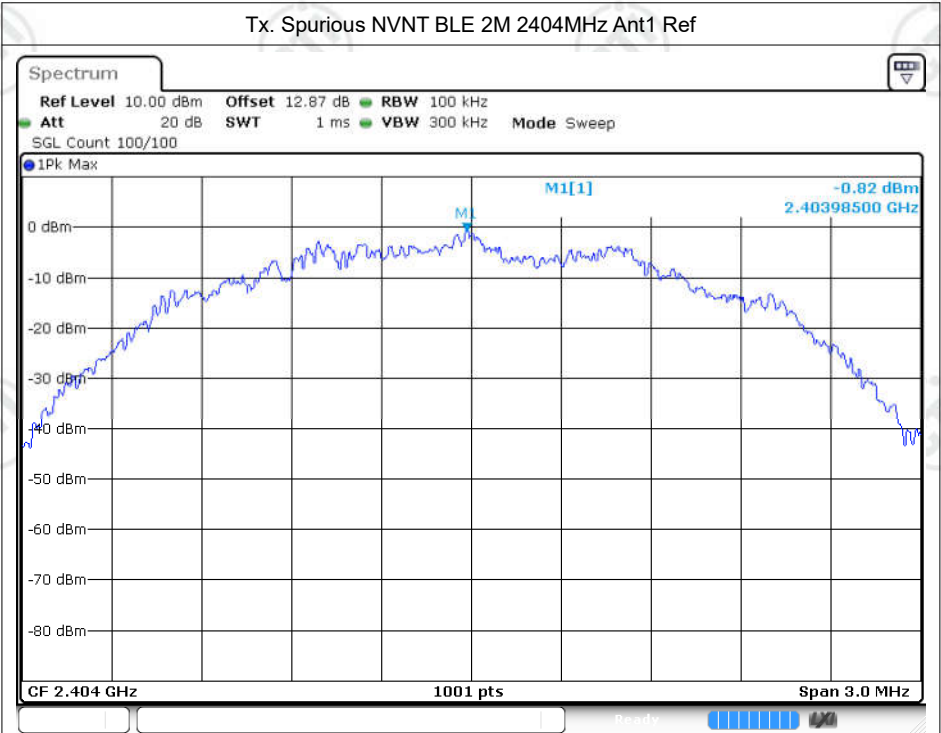
Date: 17.NOV.2023 14:38:38



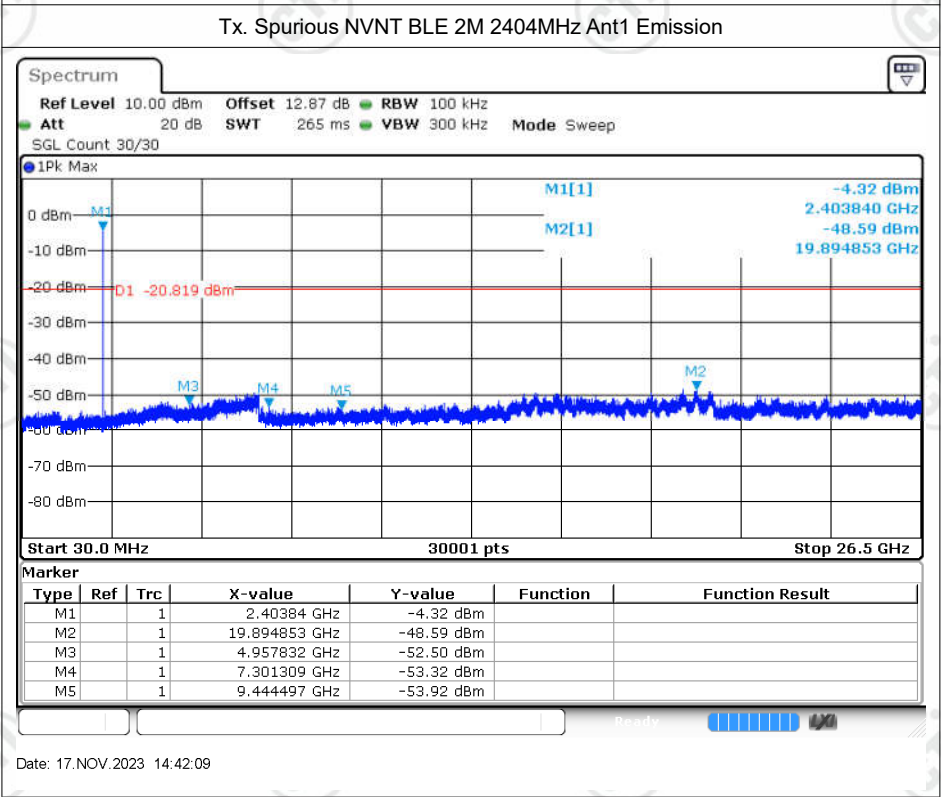
Date: 17.NOV.2023 14:39:47



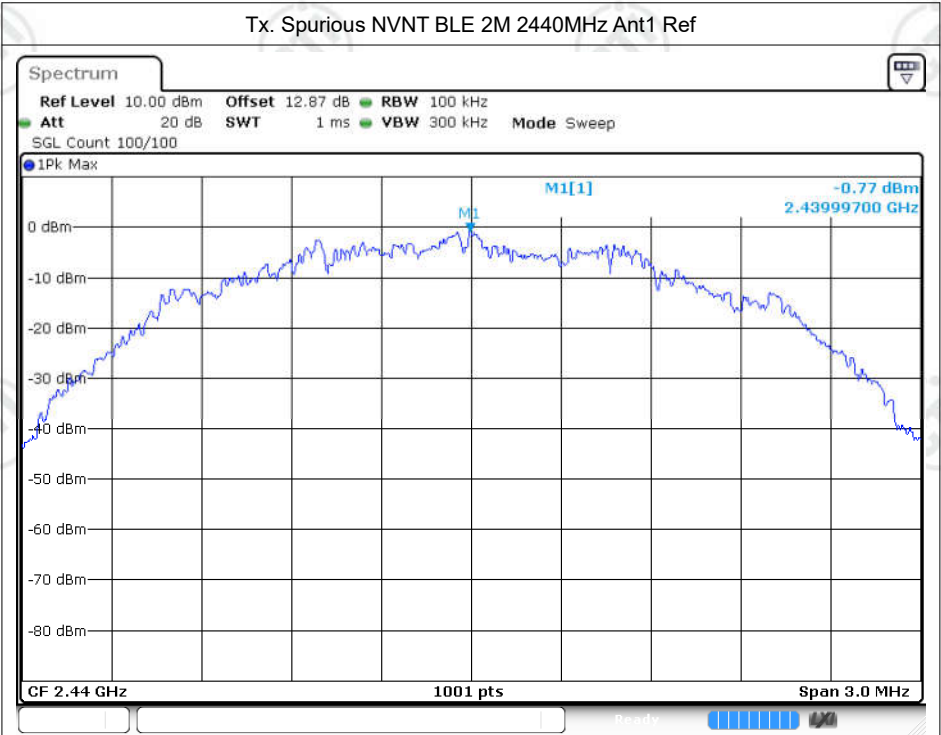
Date: 17.NOV.2023 14:40:16



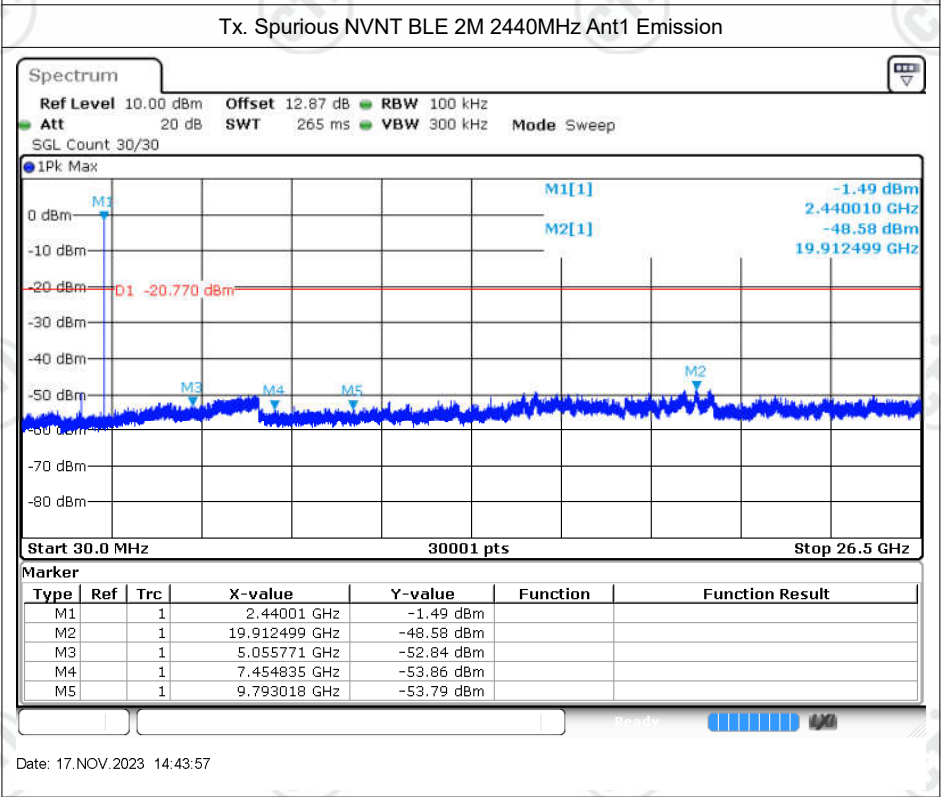
Date: 17.NOV.2023 14:41:40



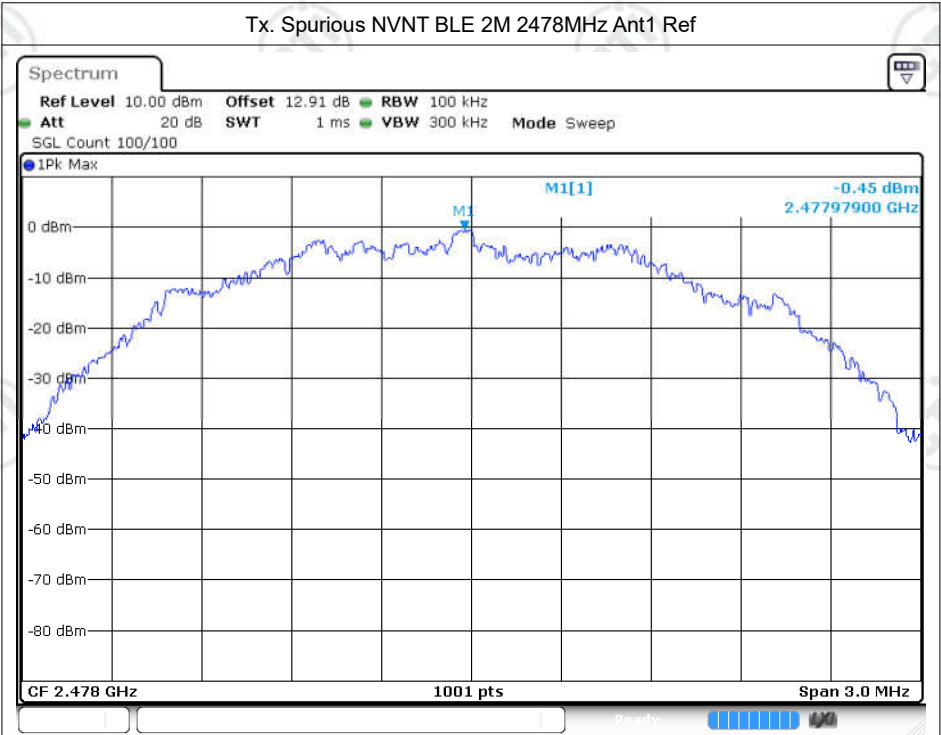
Date: 17.NOV.2023 14:42:09



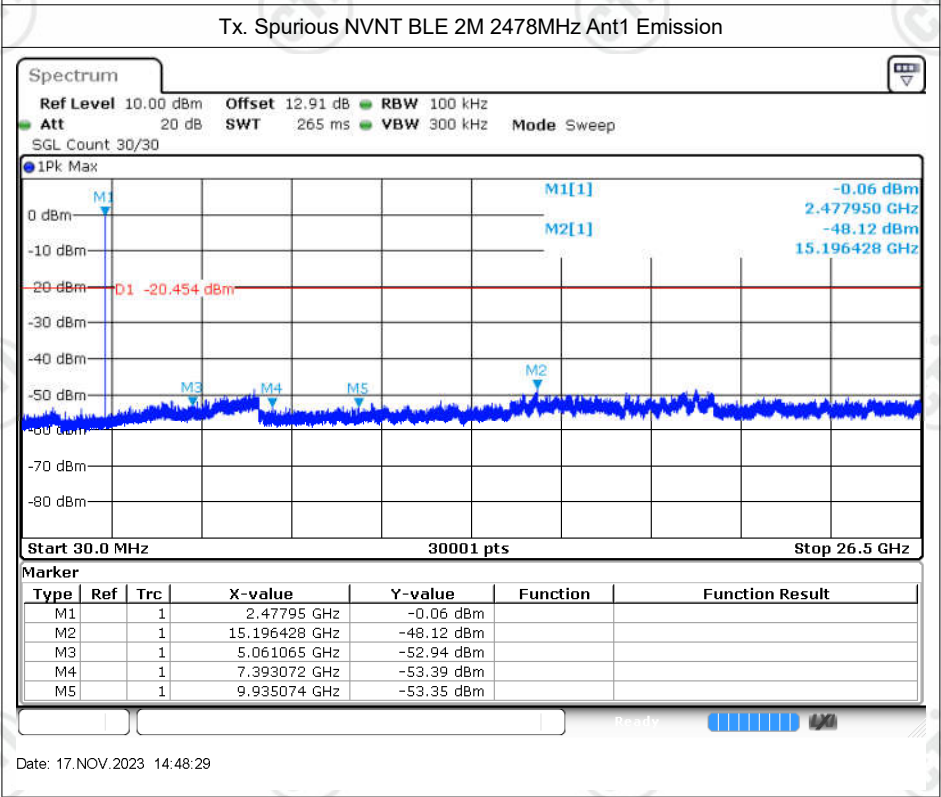
Date: 17.NOV.2023 14:43:28



Date: 17.NOV.2023 14:43:57



Date: 17.NOV.2023 14:47:59



Date: 17.NOV.2023 14:48:29

*** End of Report ***