

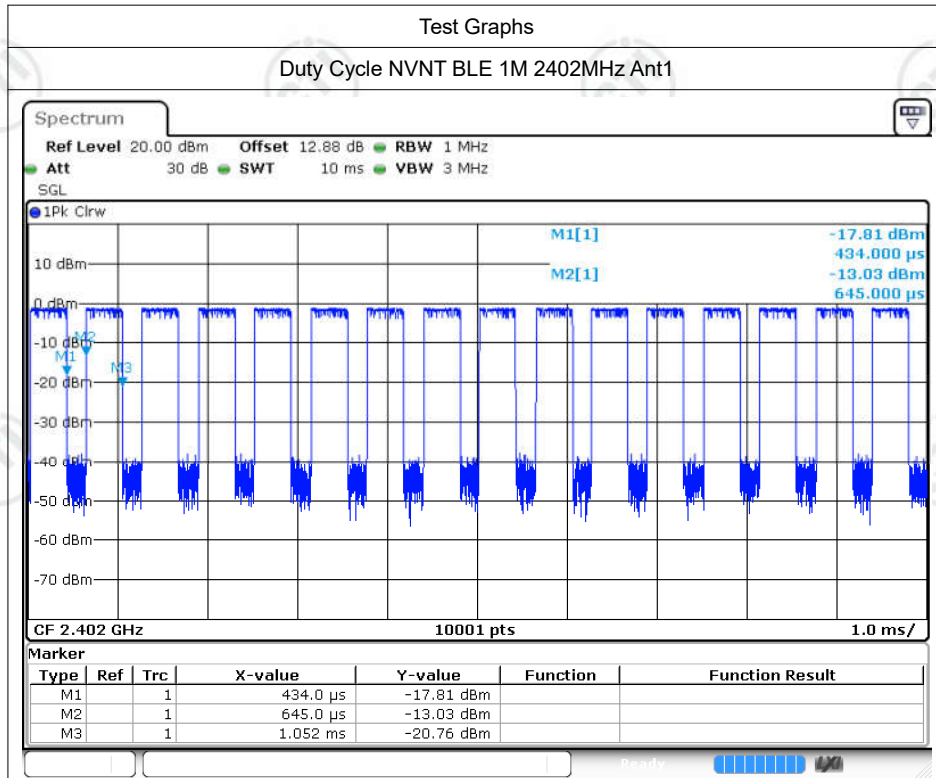
Appendix: Bluetooth LE

Contents

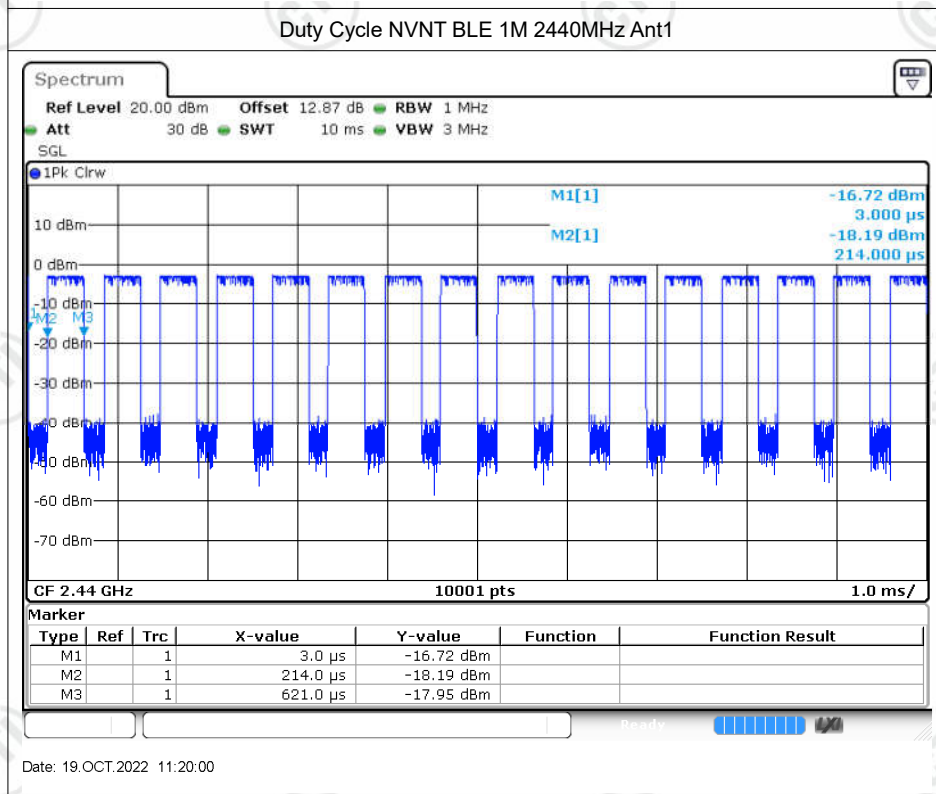
Contents	2
Duty Cycle	3
Maximum Peak Conducted Output Power	7
-6dB Bandwidth	11
Occupied Channel Bandwidth	15
Maximum Power Spectral Density Level	19
Band Edge	23
Conducted RF Spurious Emission	28

Duty Cycle

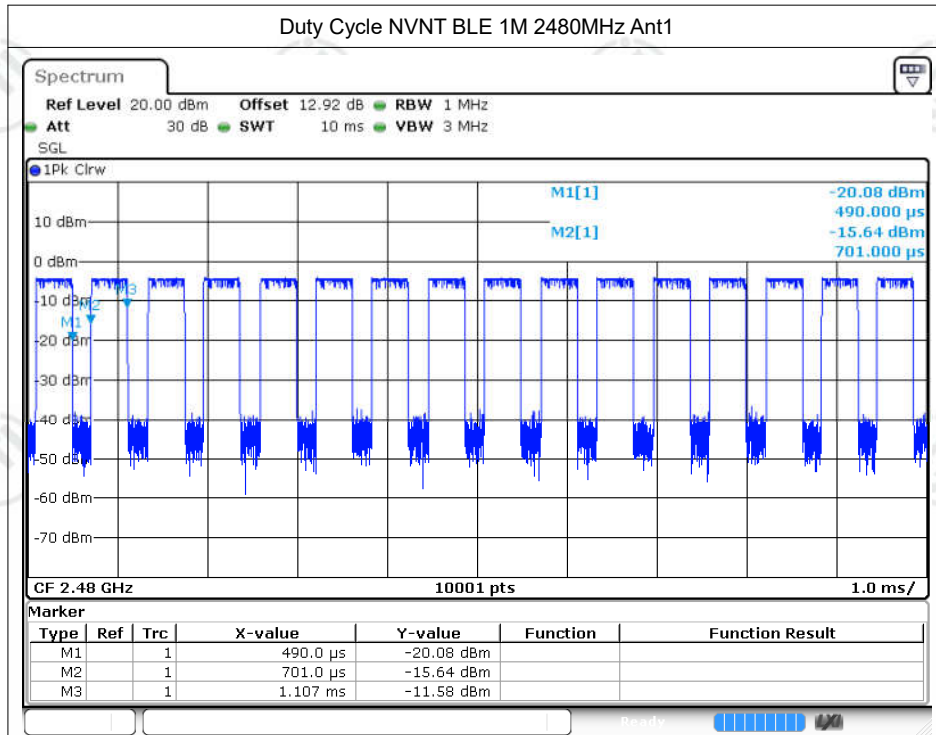
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	65.86	1.81	2.46
NVNT	BLE 1M	2440	Ant1	65.86	1.81	2.46
NVNT	BLE 1M	2480	Ant1	65.8	1.82	2.46
NVNT	BLE 2M	2402	Ant1	33.6	4.74	4.69
NVNT	BLE 2M	2440	Ant1	33.54	4.74	4.71
NVNT	BLE 2M	2480	Ant1	33.6	4.74	4.69



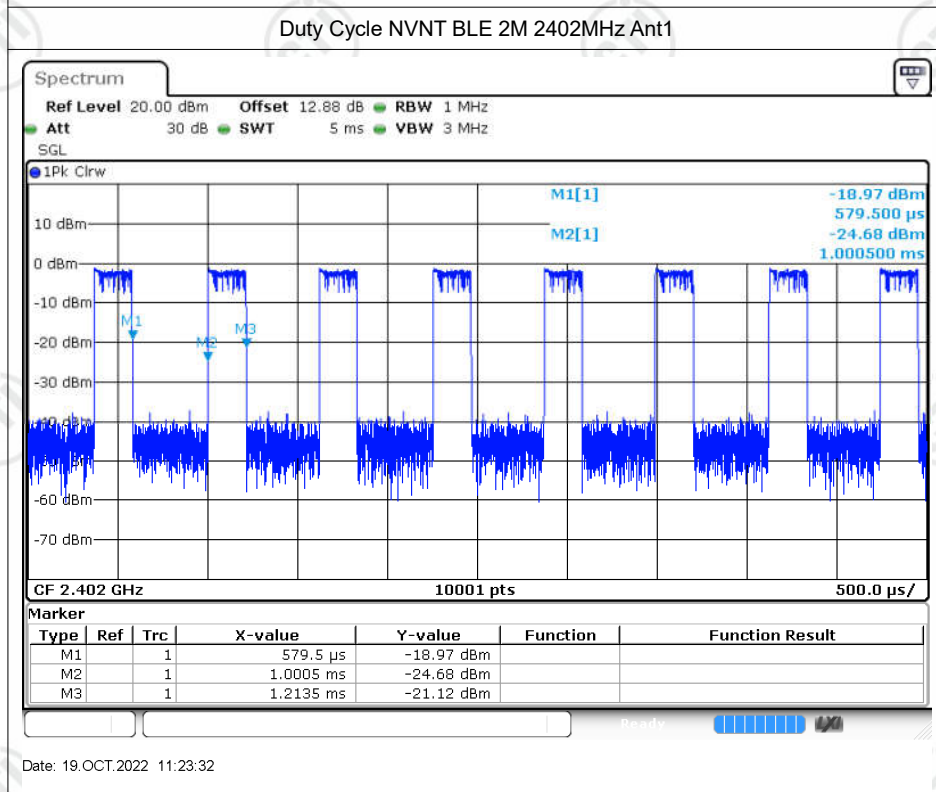
Date: 19.OCT.2022 11:17:58



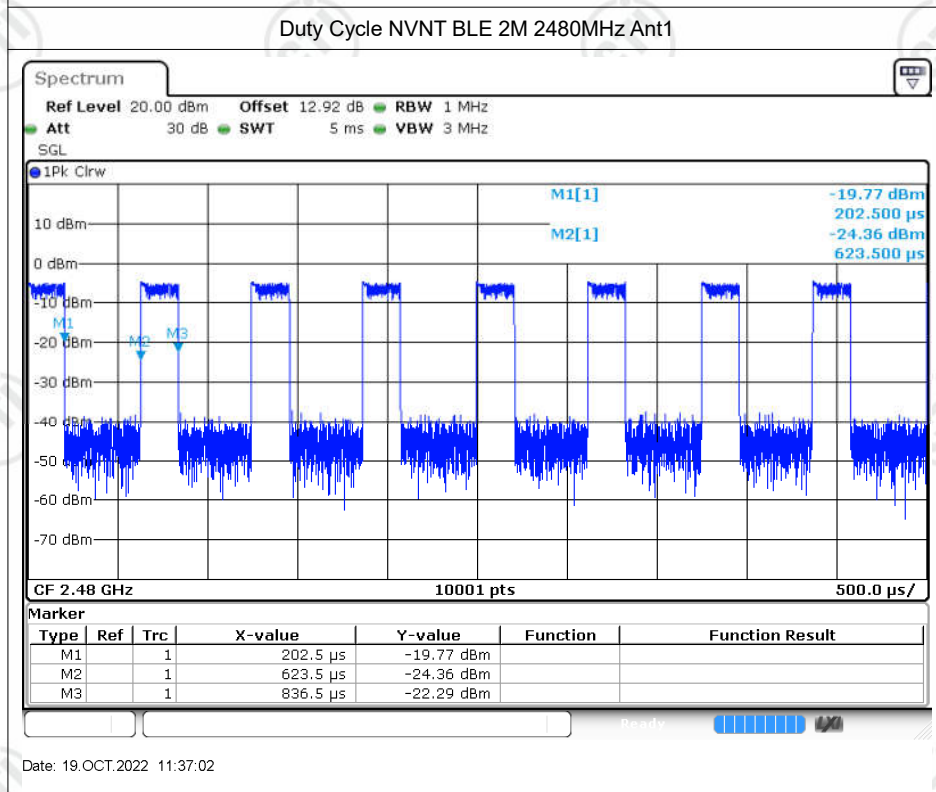
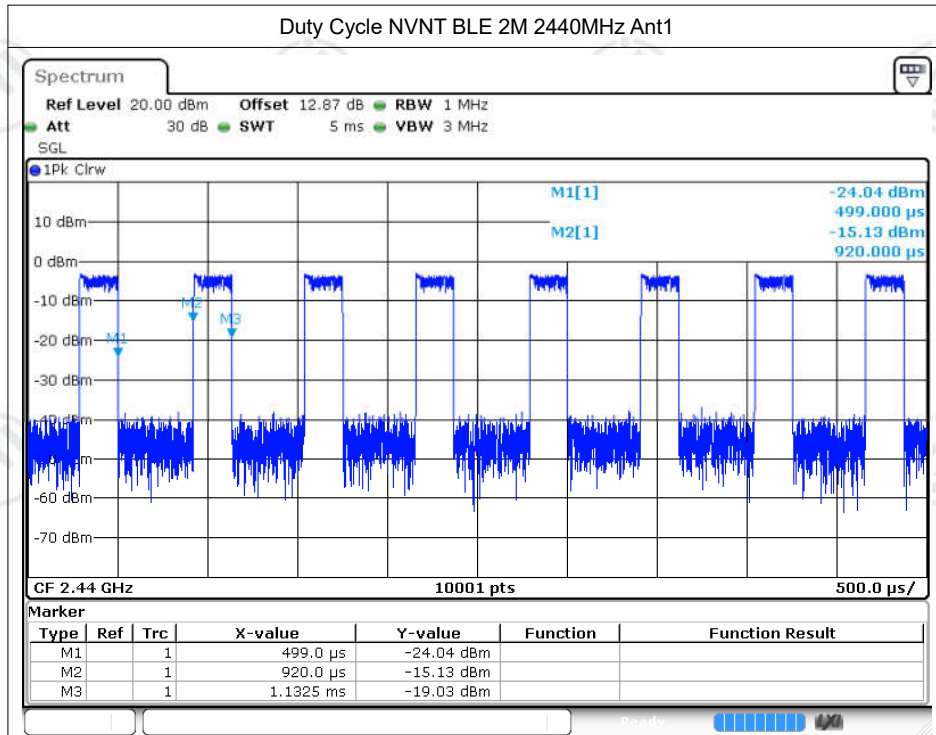
Date: 19.OCT.2022 11:20:00



Date: 19.OCT.2022 11:21:43

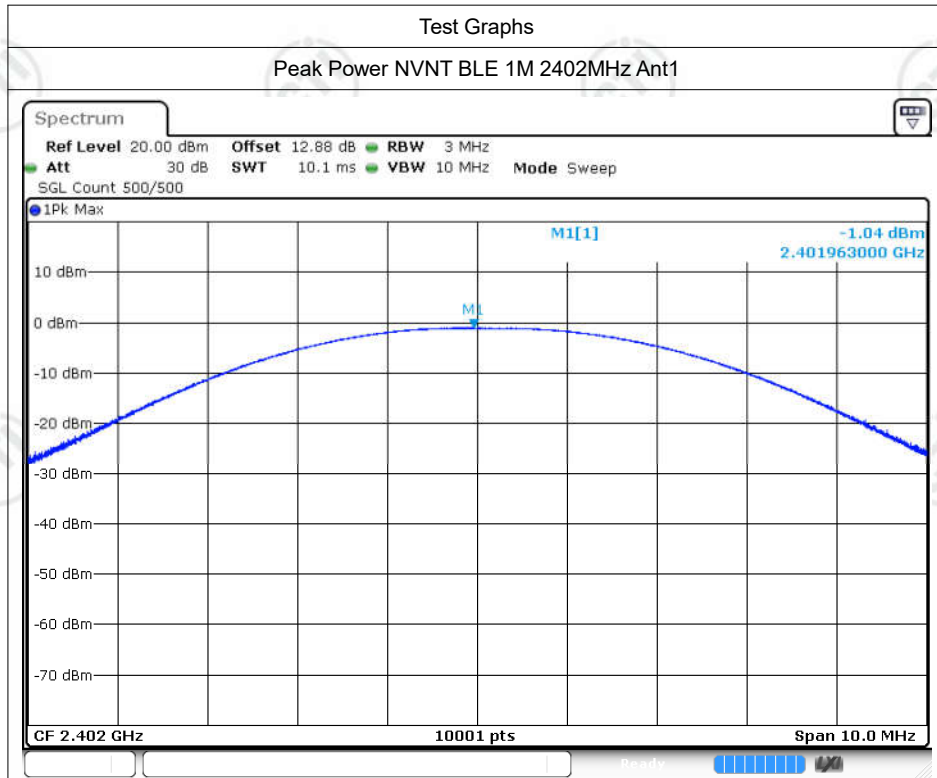


Date: 19.OCT.2022 11:23:32

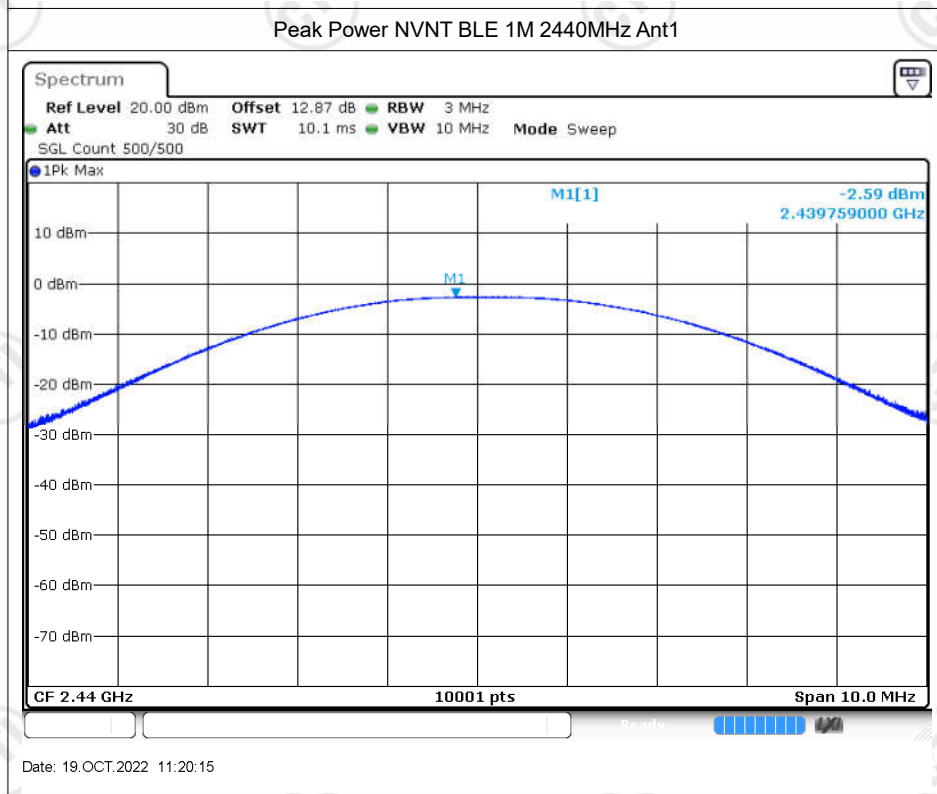


Maximum Peak Conducted Output Power

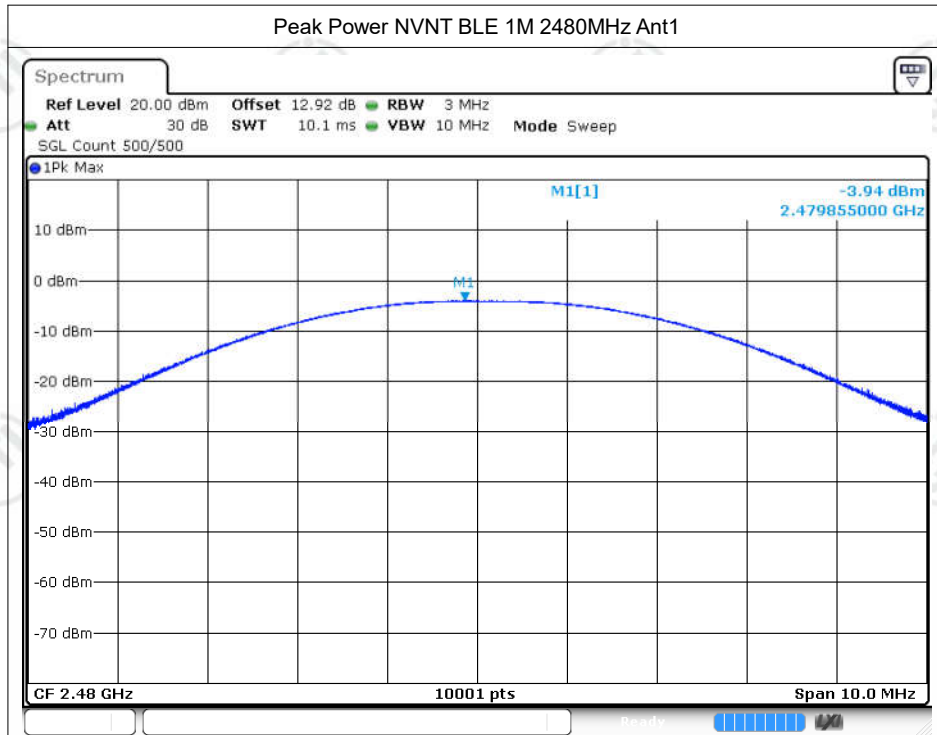
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.04	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.59	30	Pass
NVNT	BLE 1M	2480	Ant1	-3.94	30	Pass
NVNT	BLE 2M	2402	Ant1	-1.11	30	Pass
NVNT	BLE 2M	2440	Ant1	-2.95	30	Pass
NVNT	BLE 2M	2480	Ant1	-4.36	30	Pass



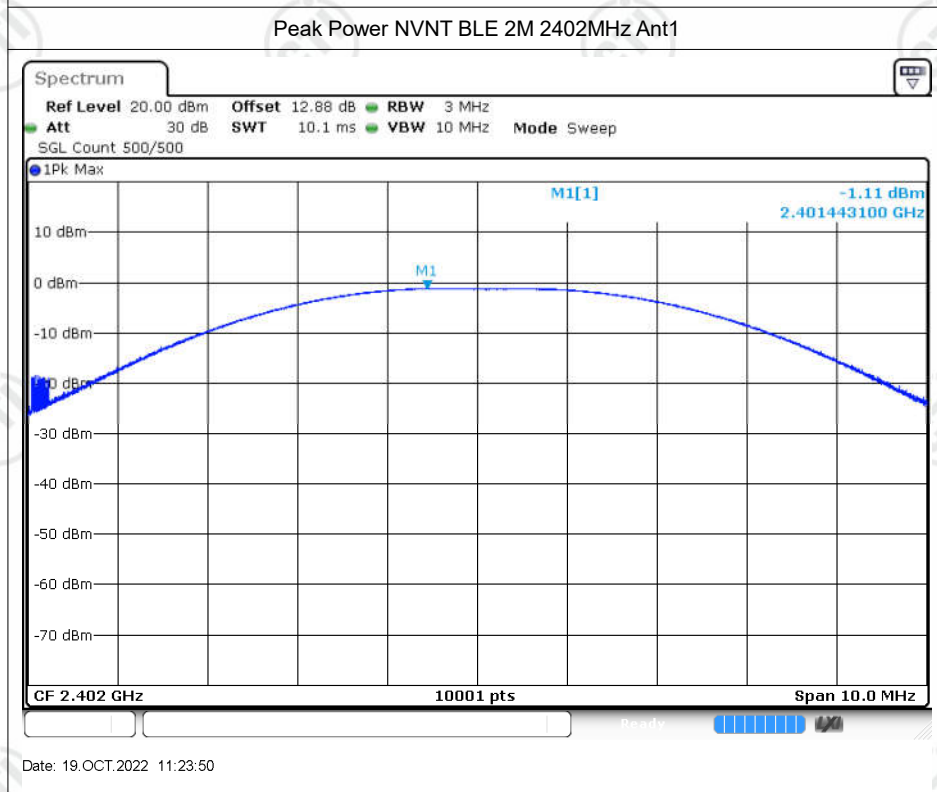
Date: 19.OCT.2022 11:18:12



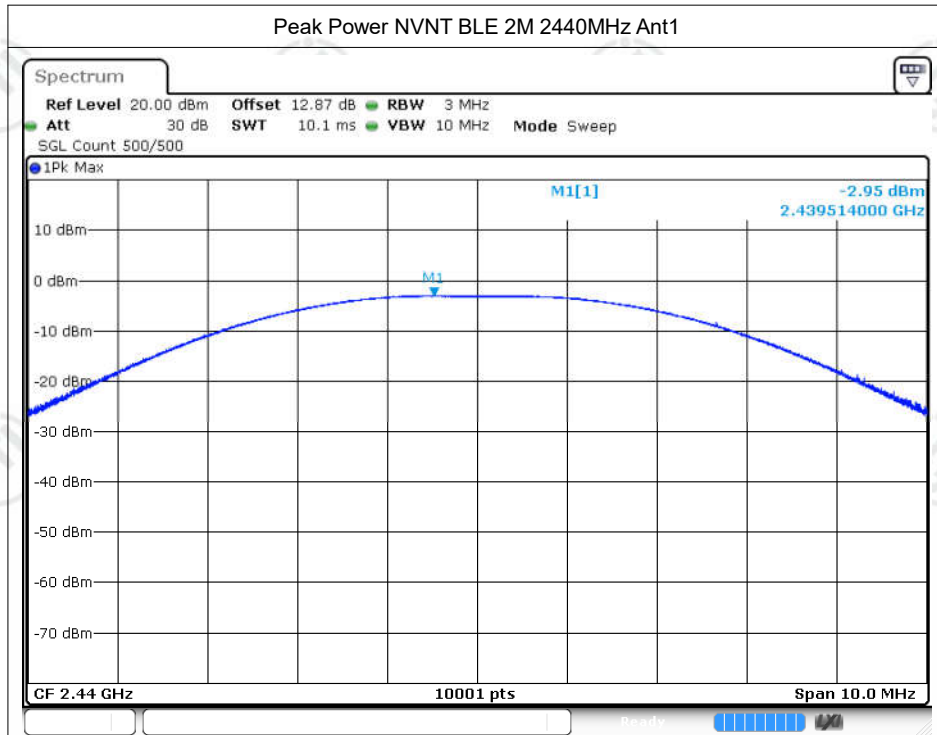
Date: 19.OCT.2022 11:20:15



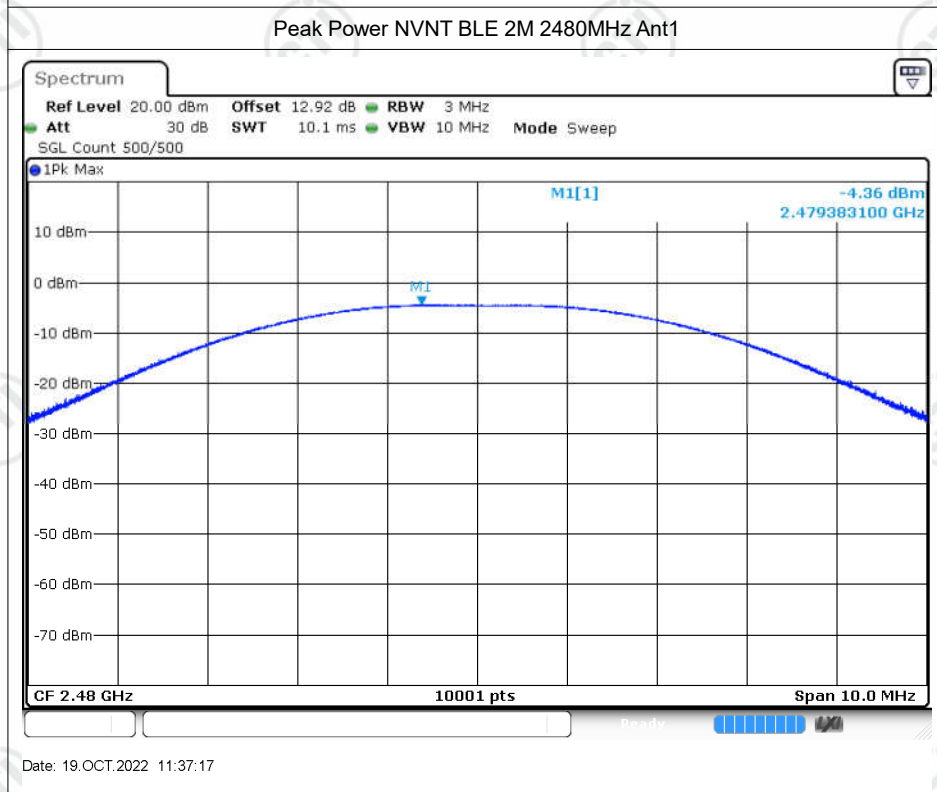
Date: 19.OCT.2022 11:21:58



Date: 19.OCT.2022 11:23:50



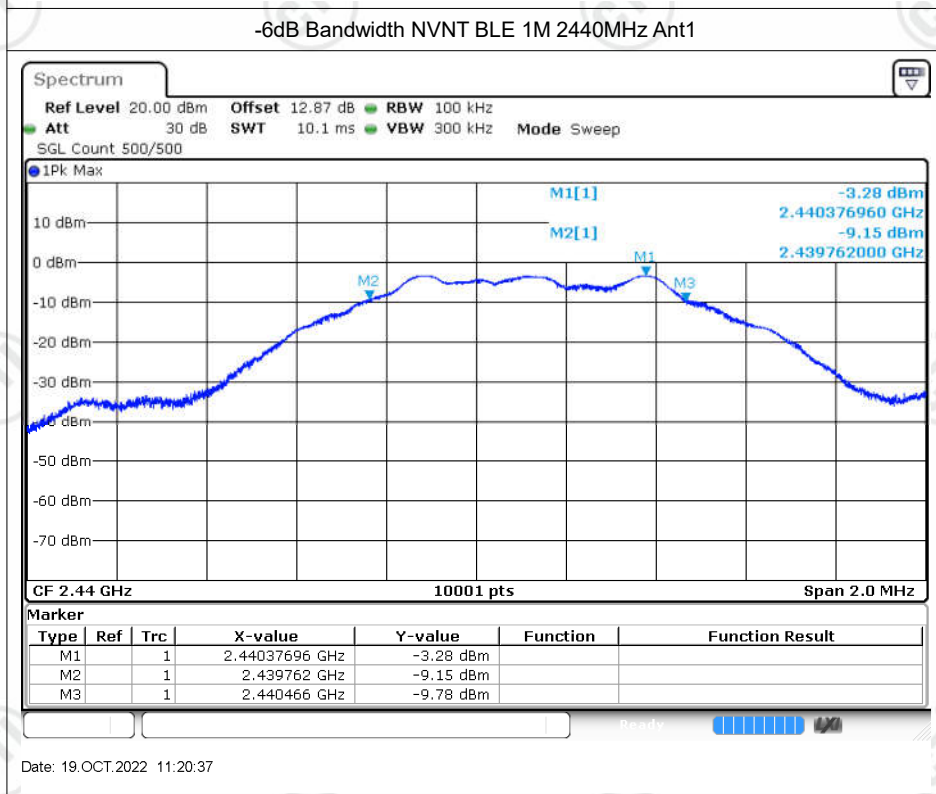
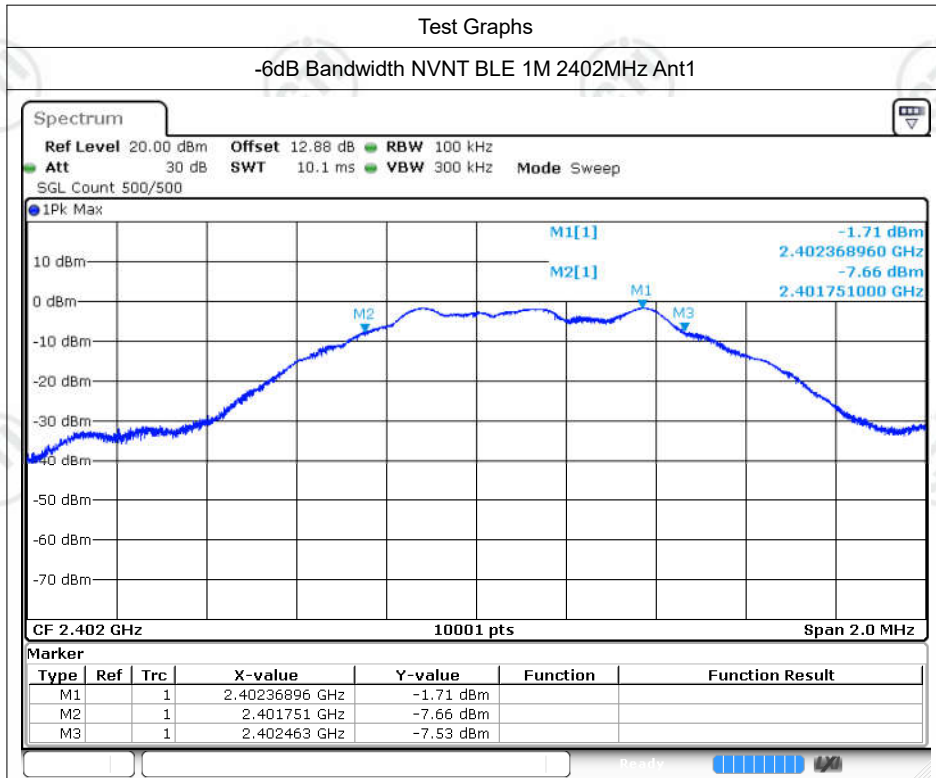
Date: 19.OCT.2022 11:33:21

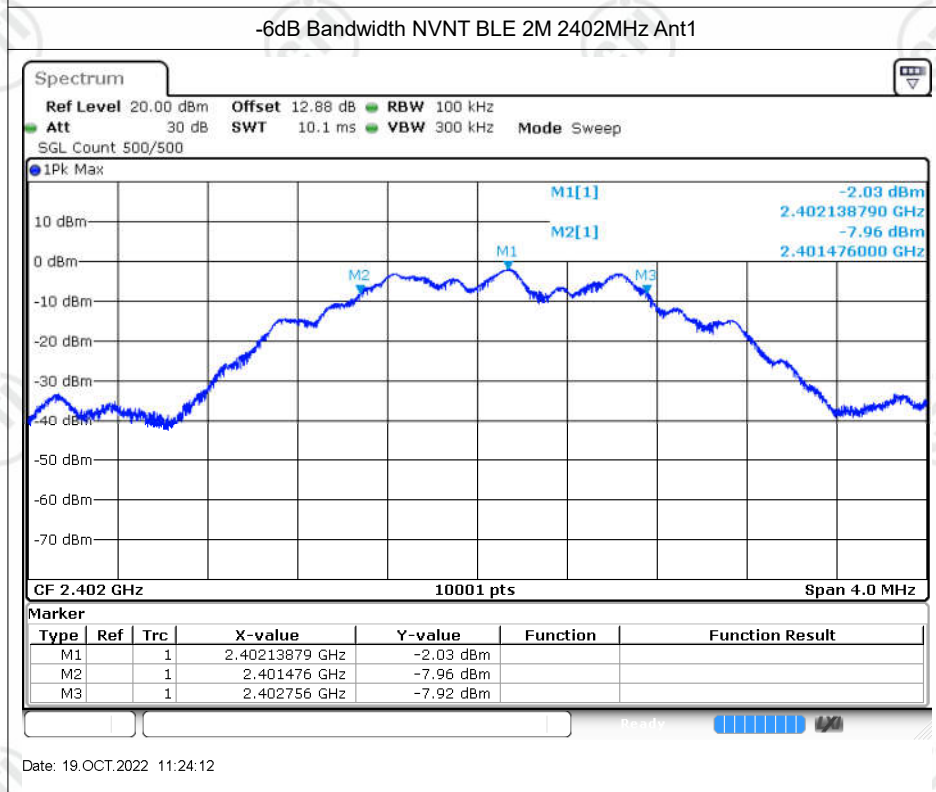
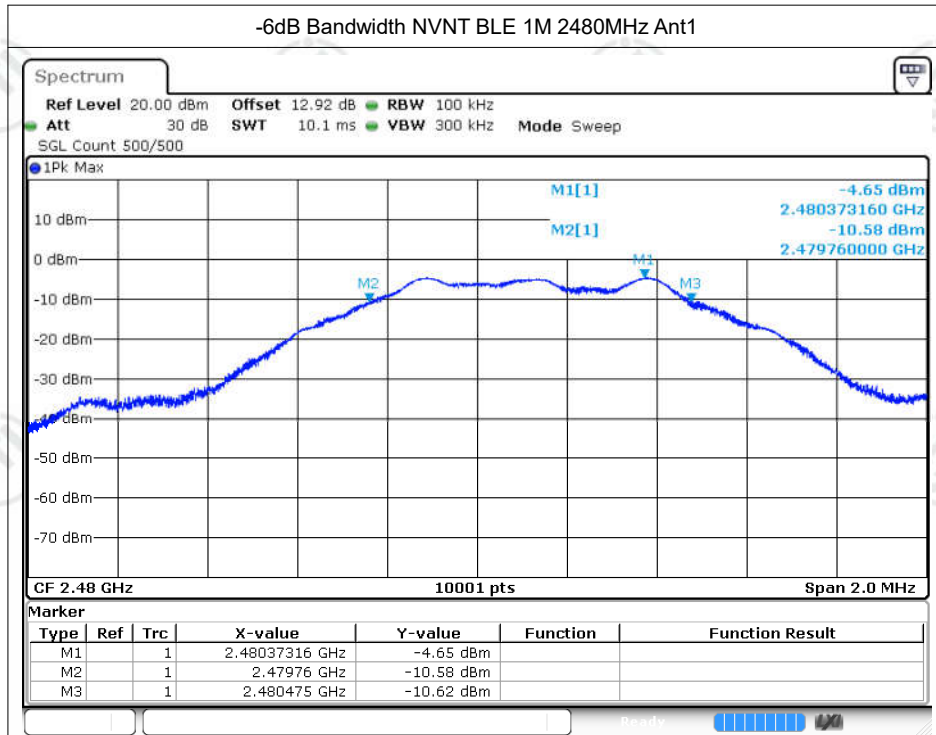


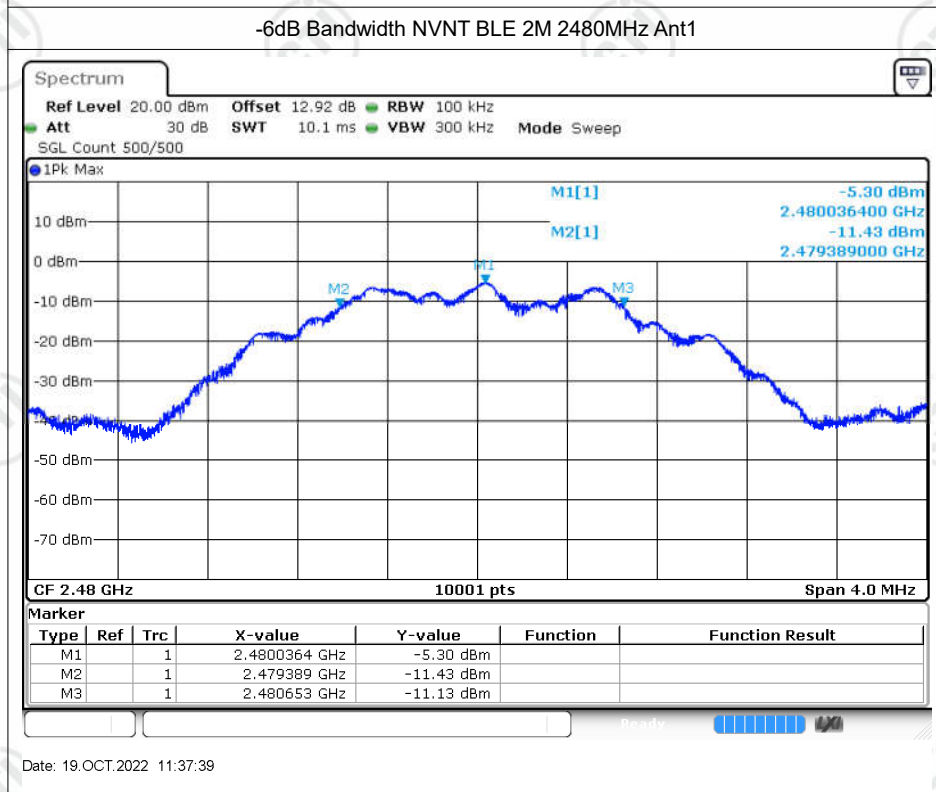
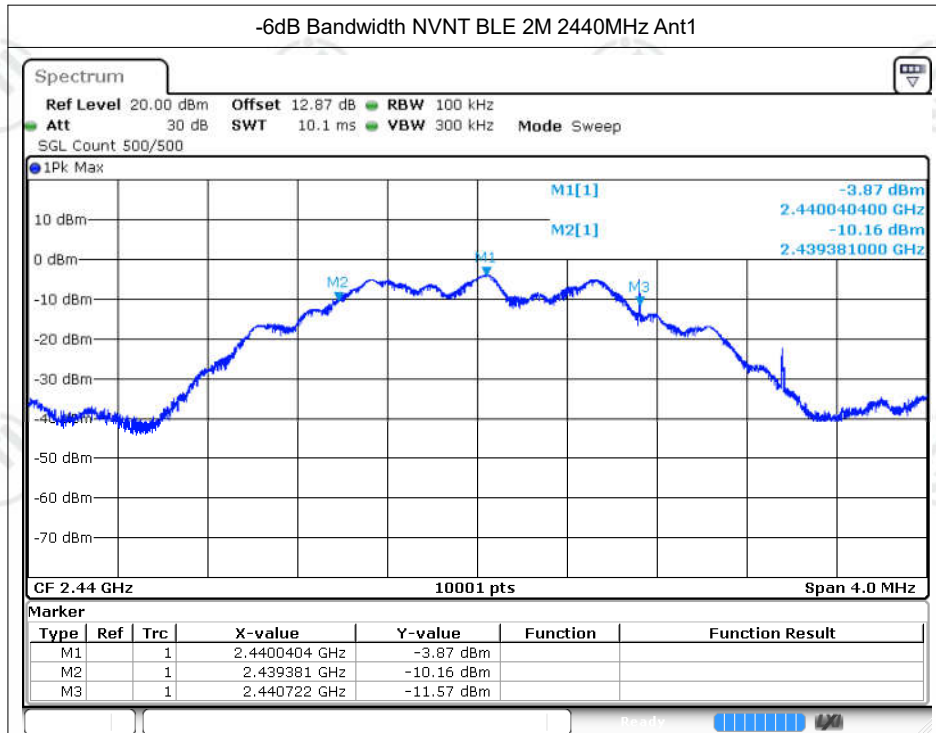
Date: 19.OCT.2022 11:37:17

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.712	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.704	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.715	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.28	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.34	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.264	0.5	Pass

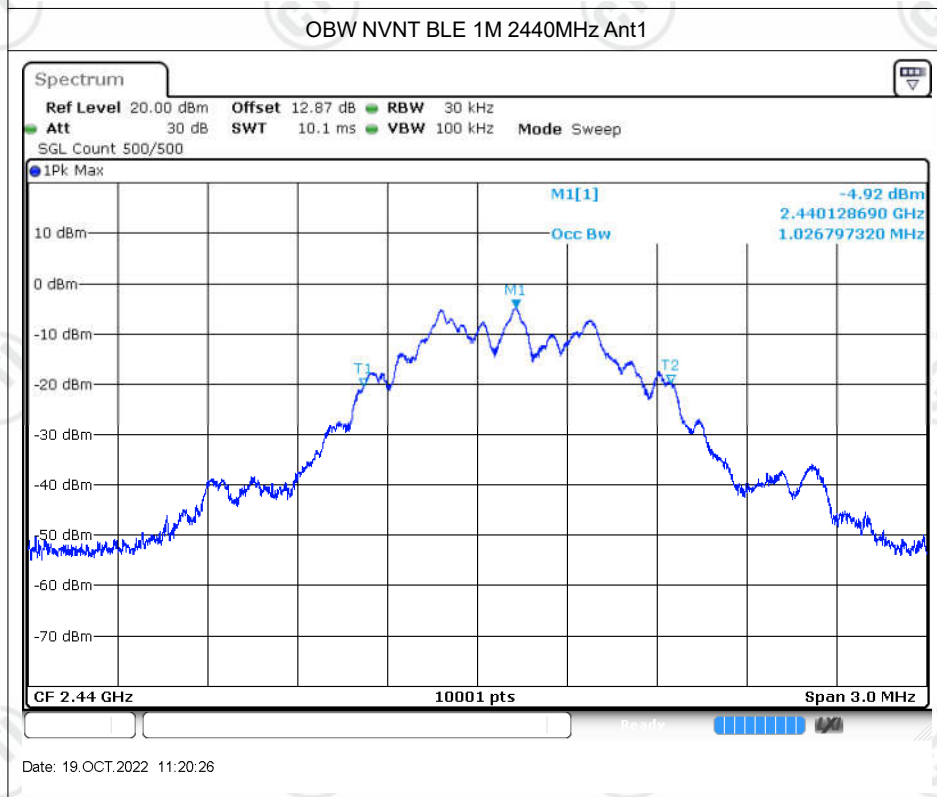
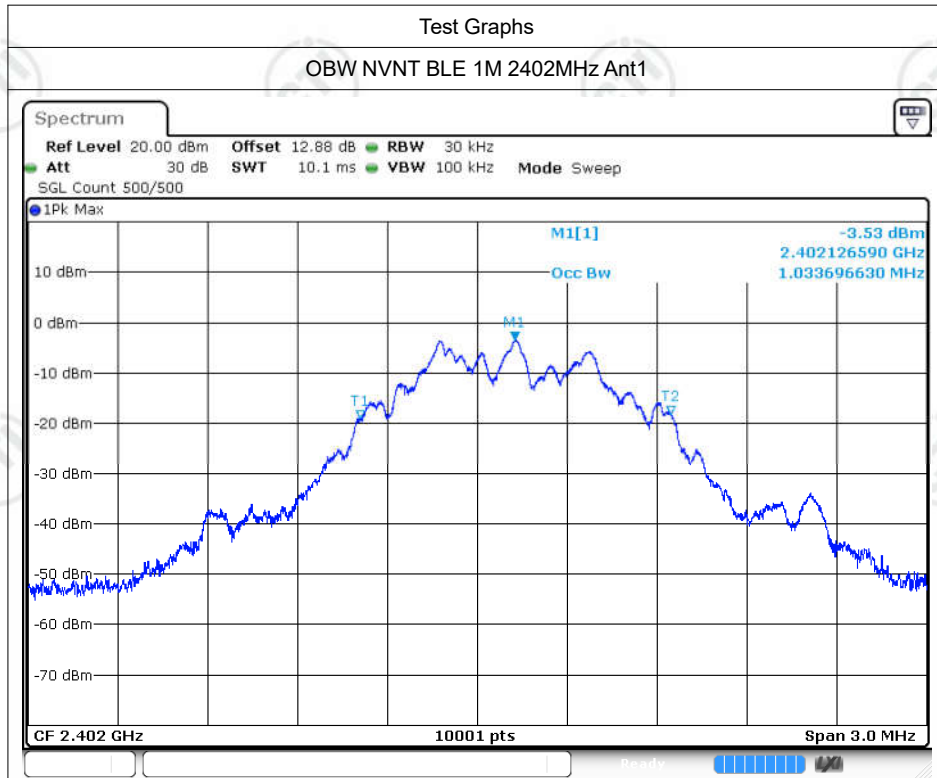


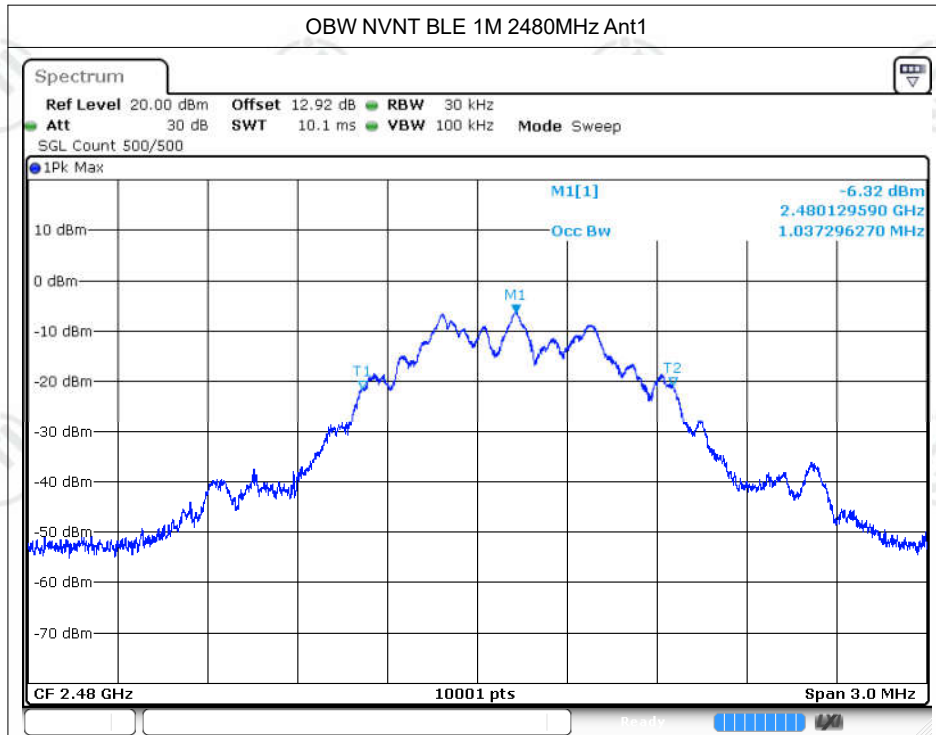




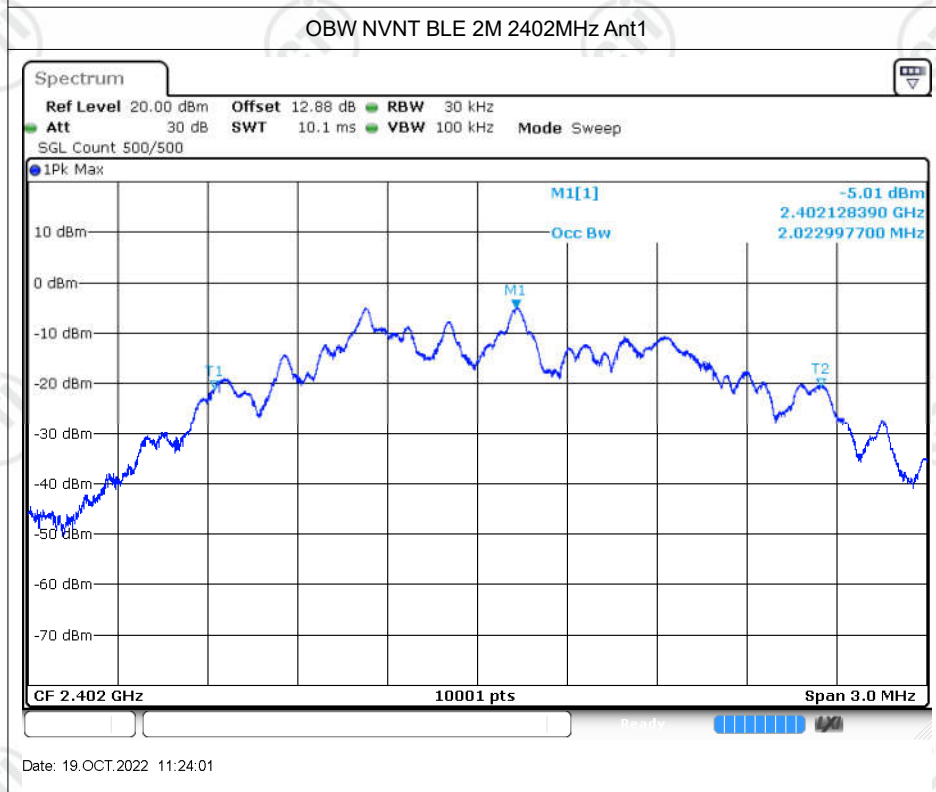
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.034
NVNT	BLE 1M	2440	Ant1	1.027
NVNT	BLE 1M	2480	Ant1	1.037
NVNT	BLE 2M	2402	Ant1	2.023
NVNT	BLE 2M	2440	Ant1	2.025
NVNT	BLE 2M	2480	Ant1	2.023

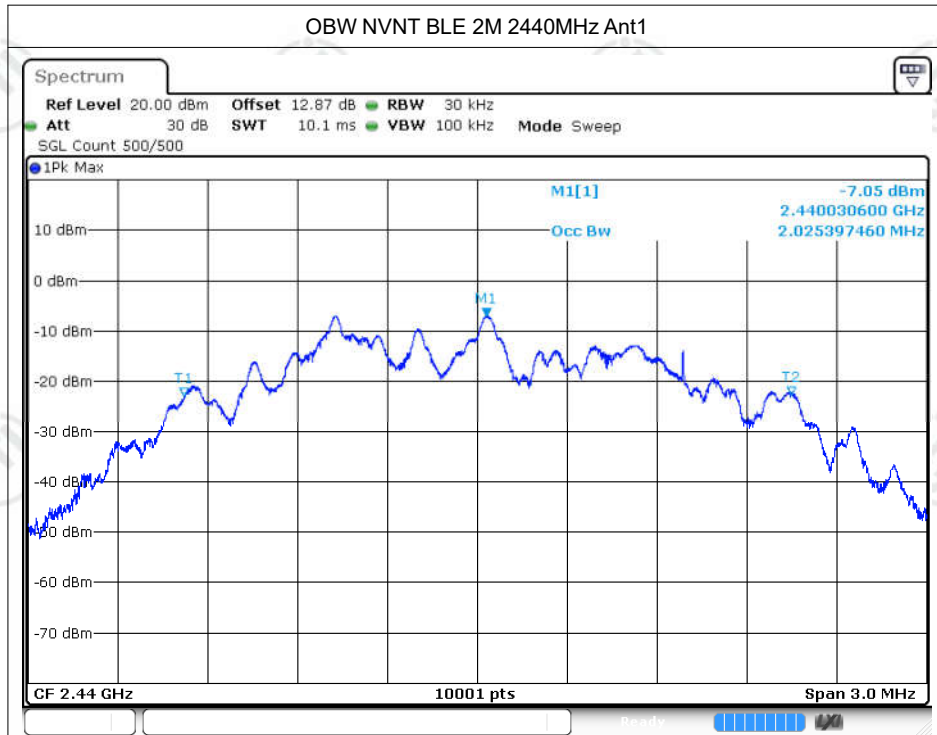




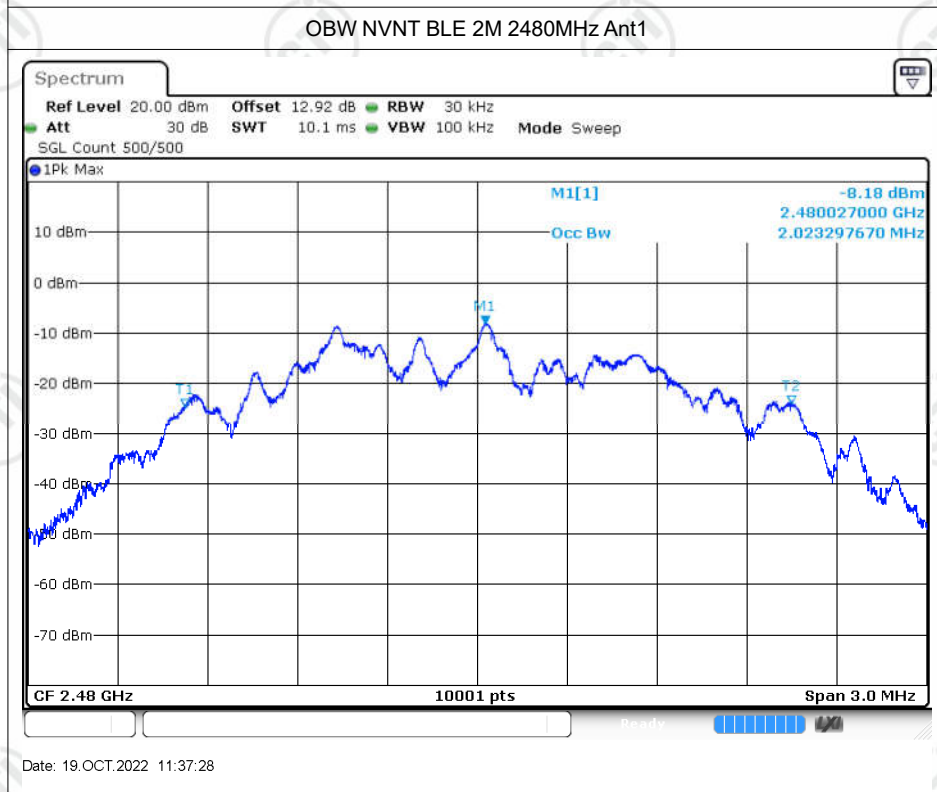
Date: 19.OCT.2022 11:22:09



Date: 19.OCT.2022 11:24:01



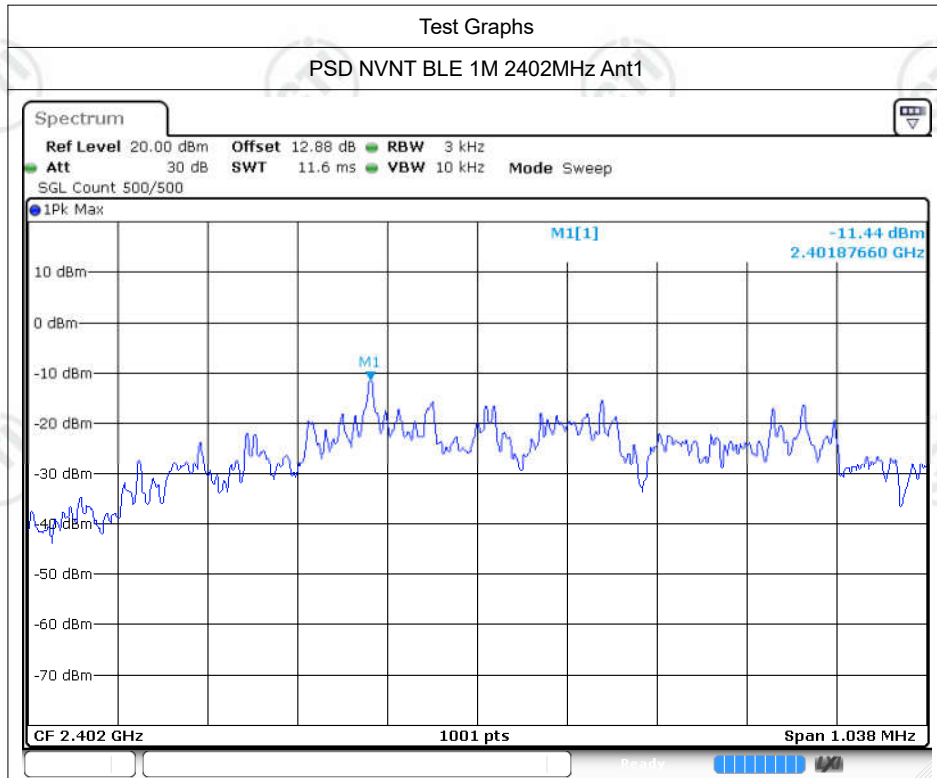
Date: 19.OCT.2022 11:33:32



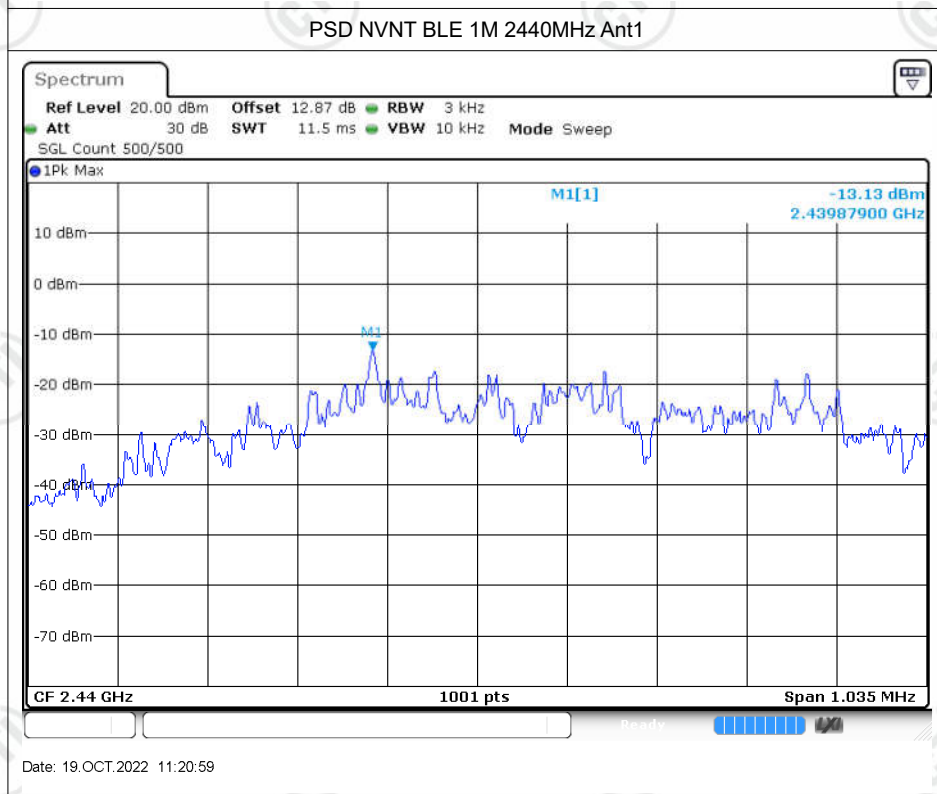
Date: 19.OCT.2022 11:37:28

Maximum Power Spectral Density Level

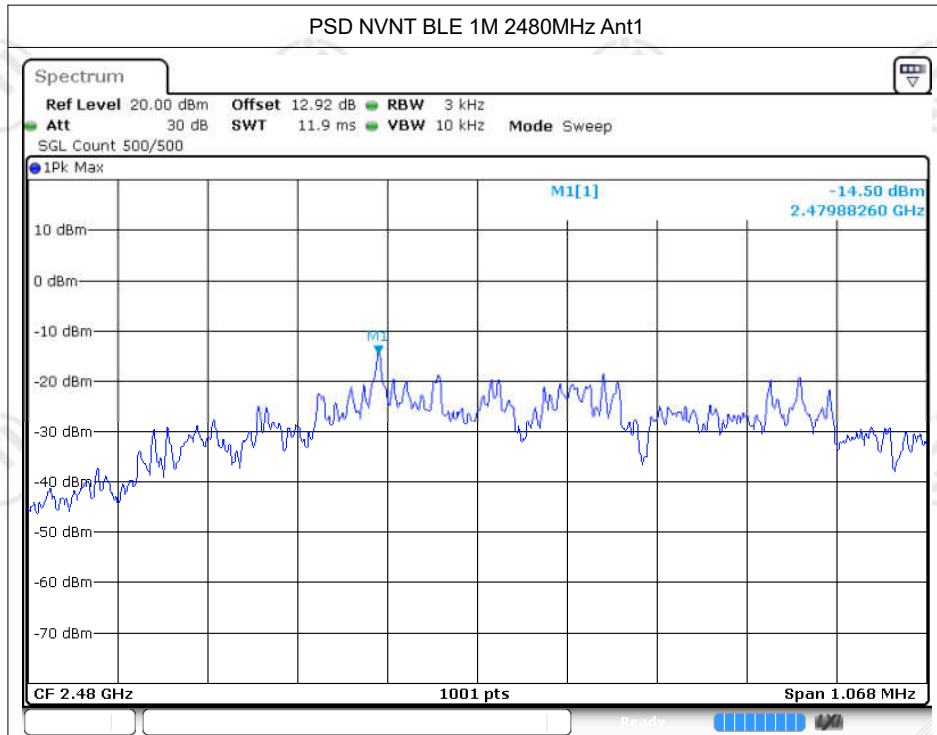
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-11.44	0	-11.44	8	Pass
NVNT	BLE 1M	2440	Ant1	-13.13	0	-13.13	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.5	0	-14.5	8	Pass
NVNT	BLE 2M	2402	Ant1	-16.6	0	-16.6	8	Pass
NVNT	BLE 2M	2440	Ant1	-18.72	0	-18.72	8	Pass
NVNT	BLE 2M	2480	Ant1	-20.23	0	-20.23	8	Pass



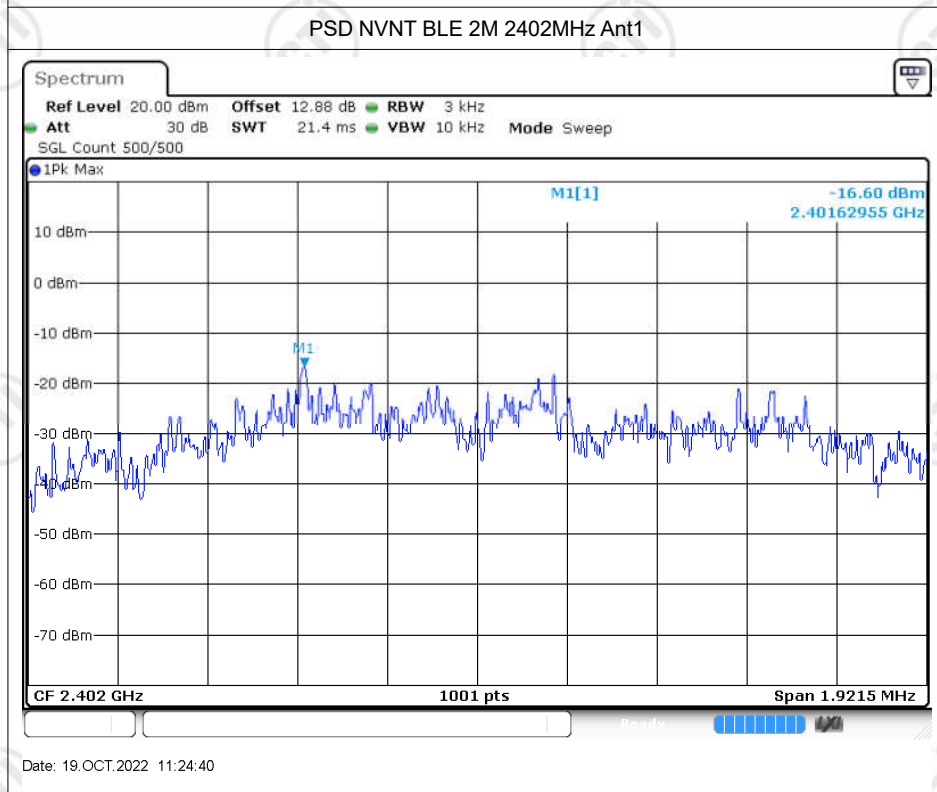
Date: 19.OCT.2022 11:19:08



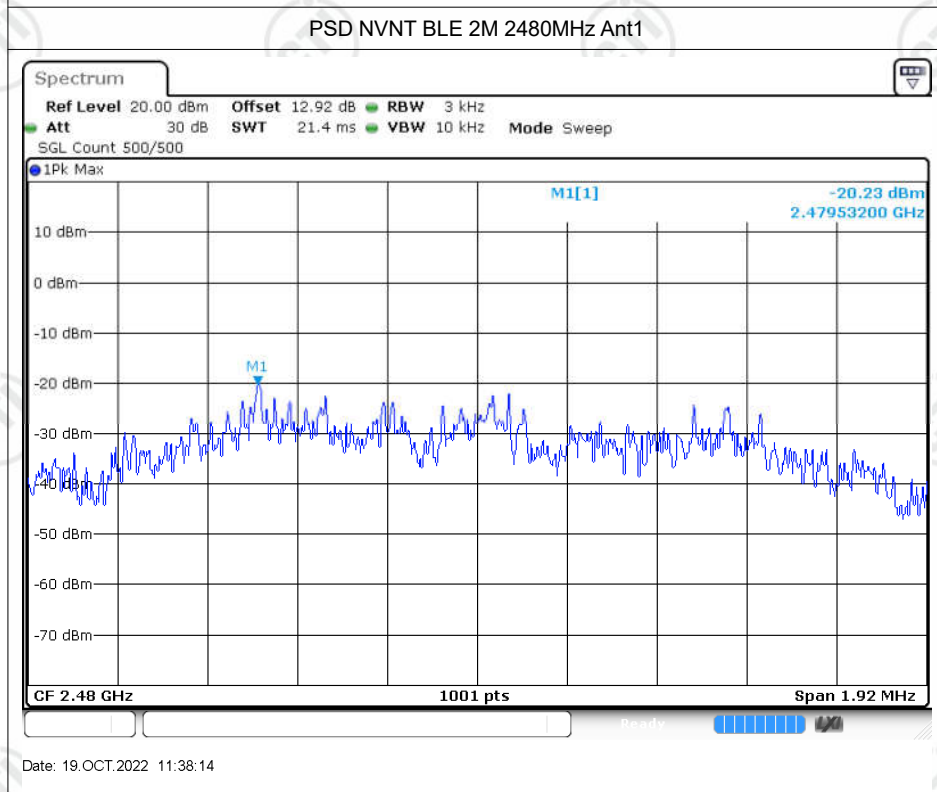
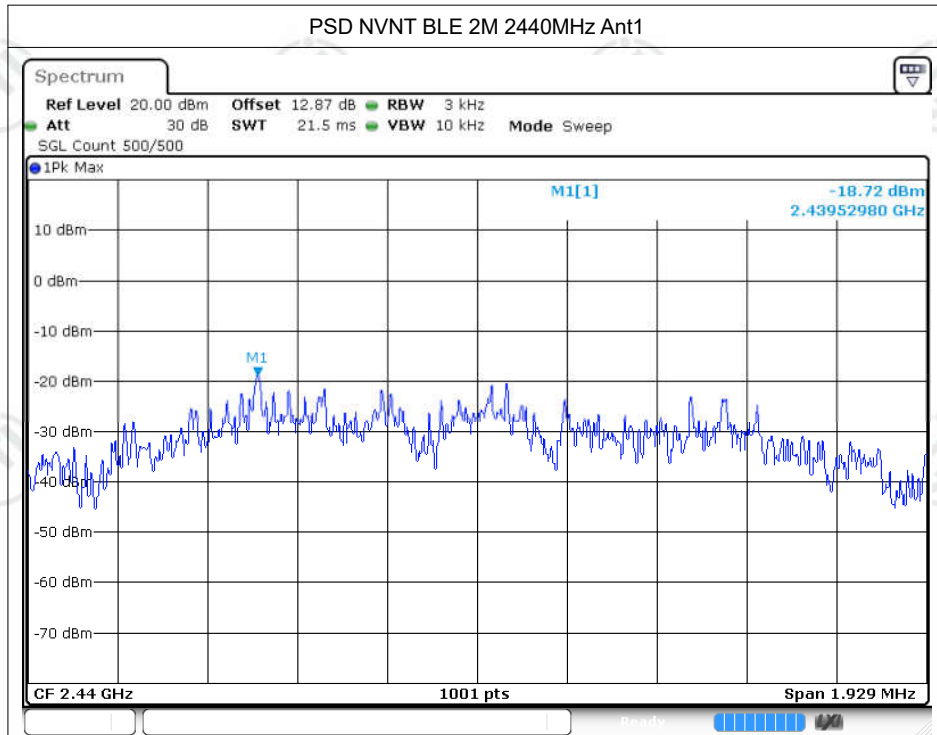
Date: 19.OCT.2022 11:20:59



Date: 19.OCT.2022 11:22:42

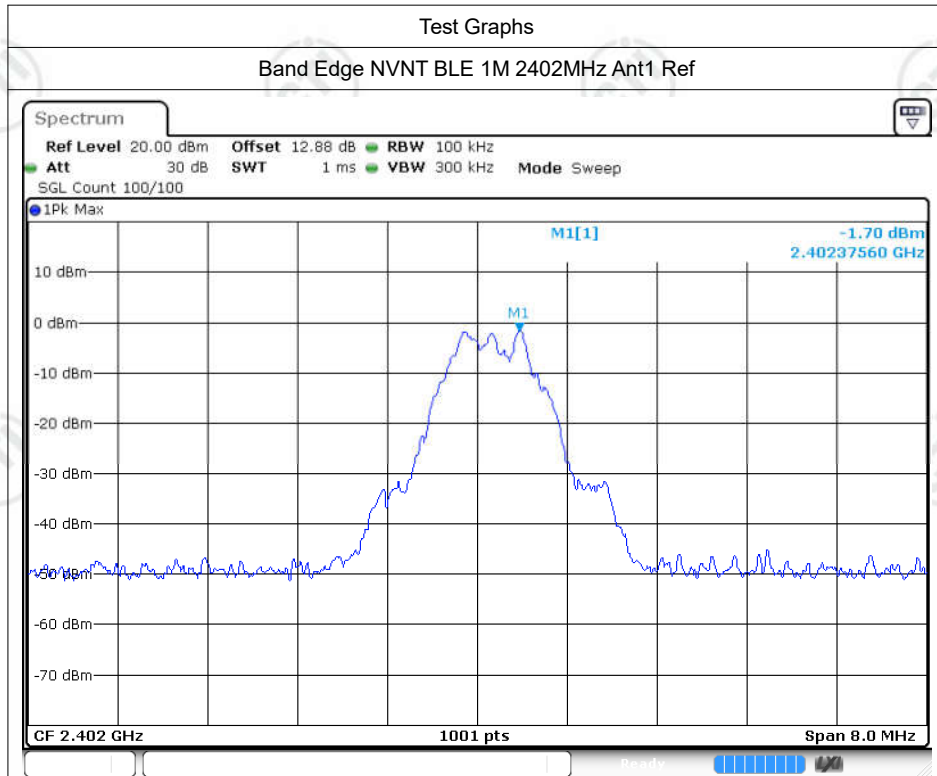


Date: 19.OCT.2022 11:24:40

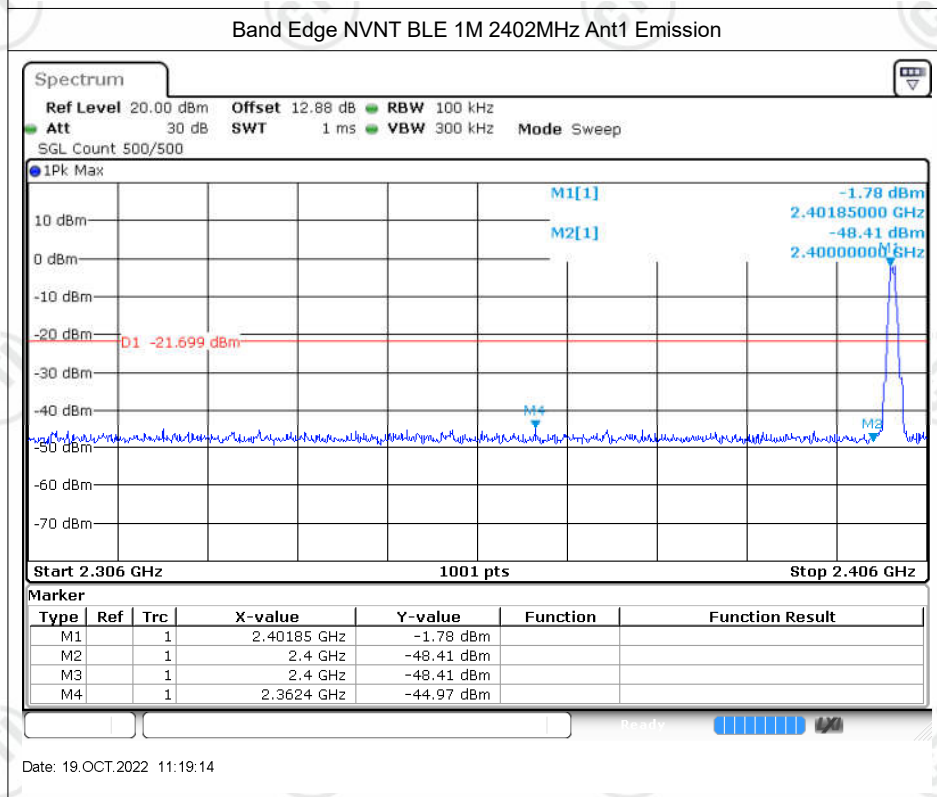


Band Edge

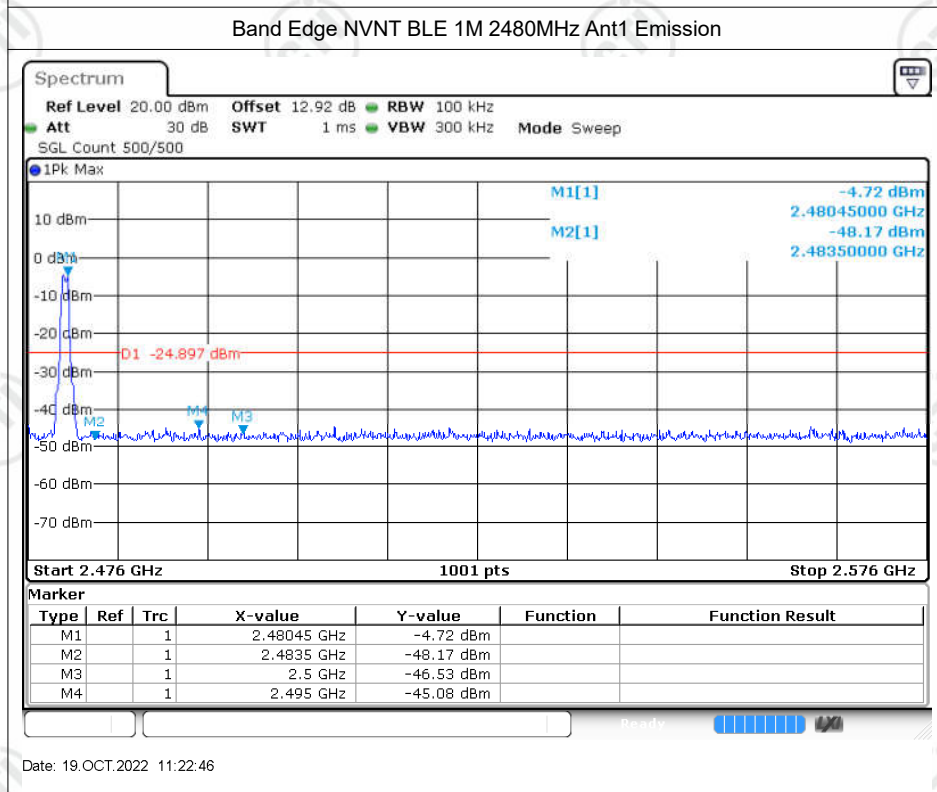
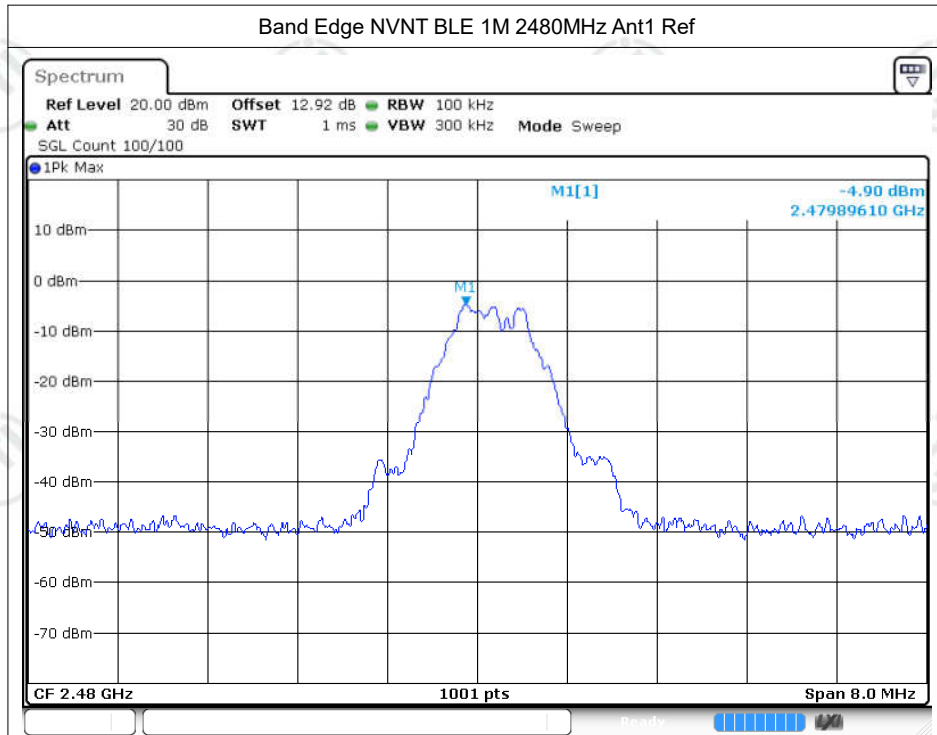
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-43.26	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.18	-20	Pass
NVNT	BLE 2M	2402	Ant1	-39.99	-20	Pass
NVNT	BLE 2M	2480	Ant1	-39.71	-20	Pass

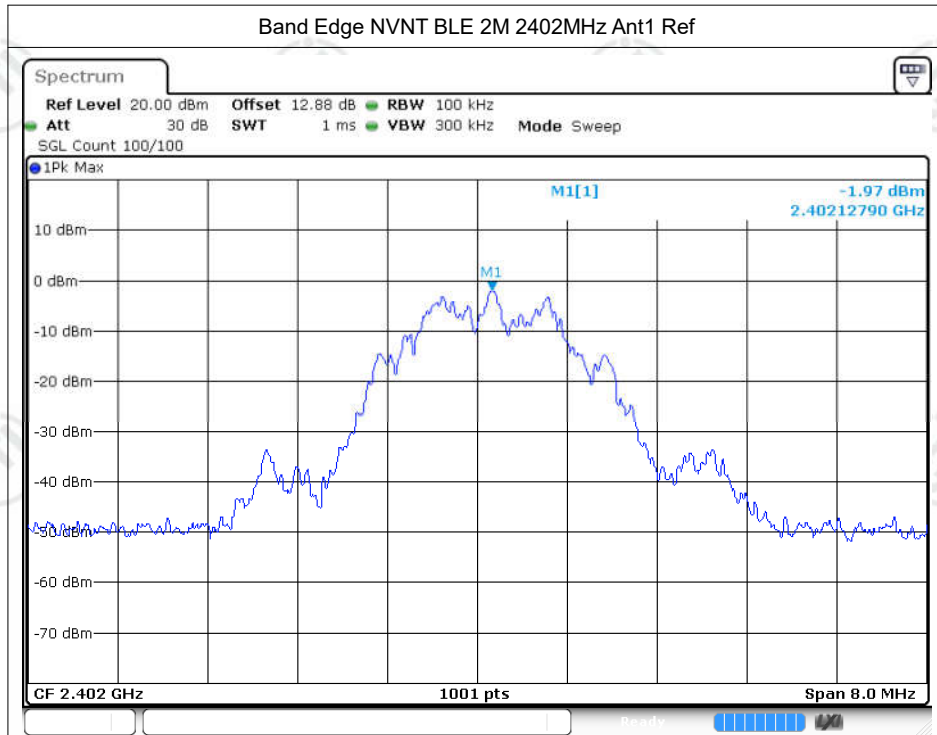


Date: 19.OCT.2022 11:19:10

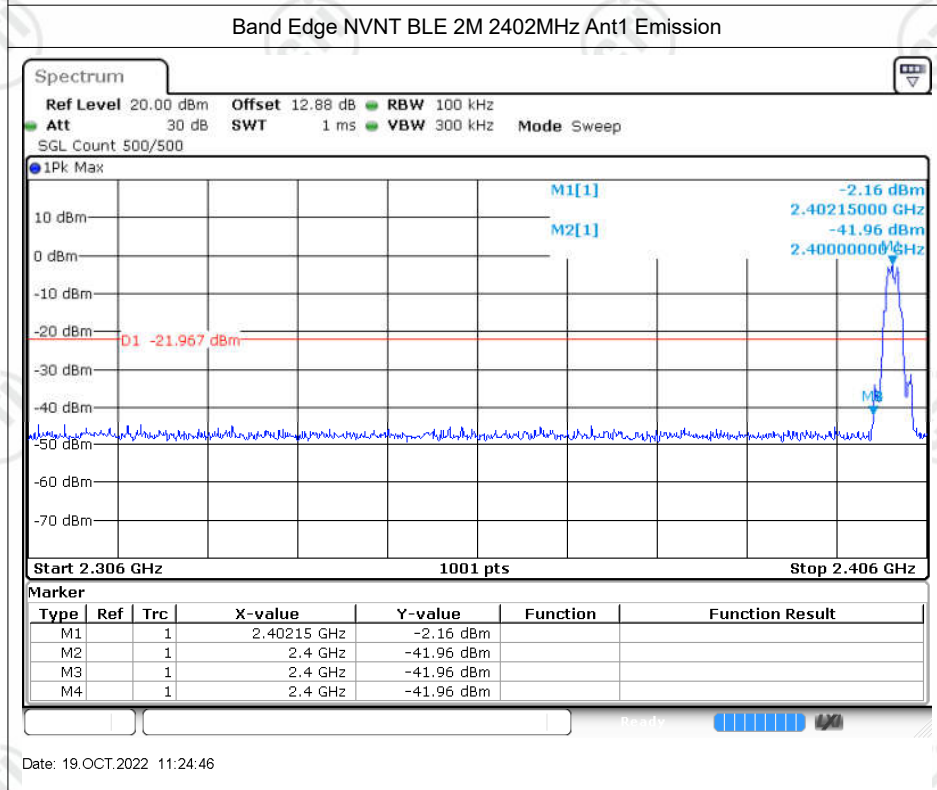


Date: 19.OCT.2022 11:19:14

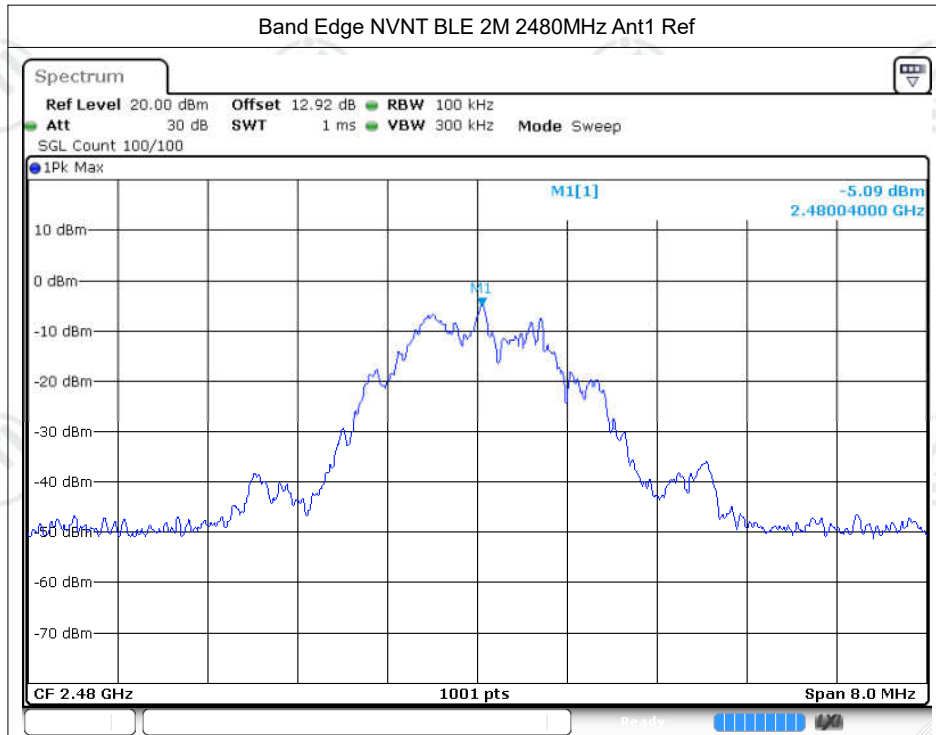




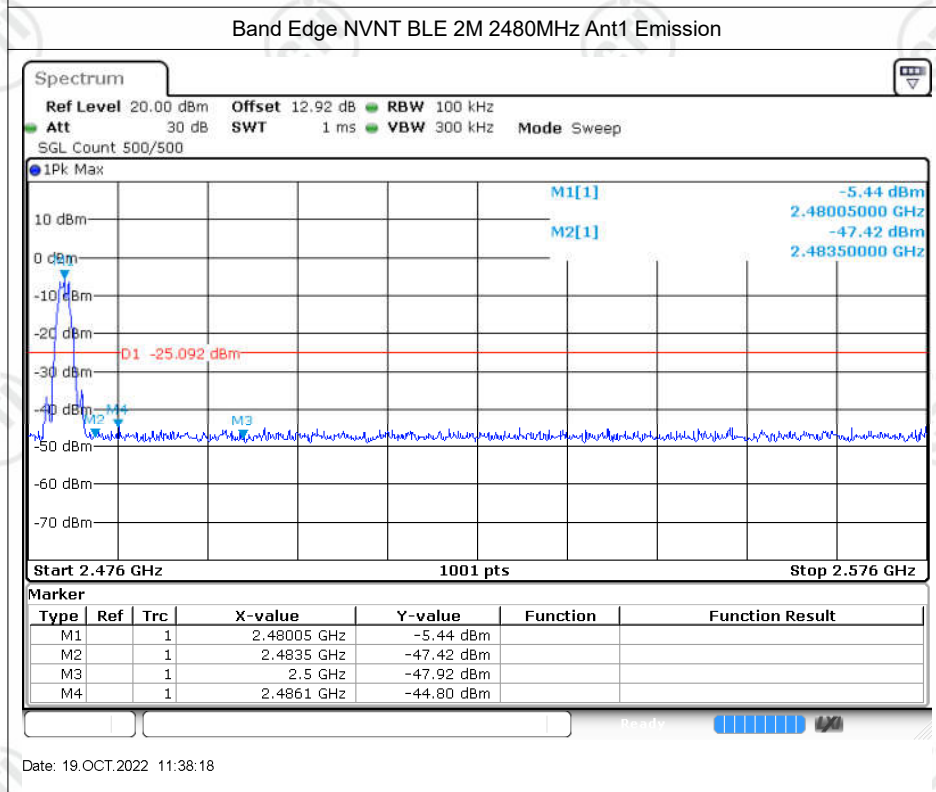
Date: 19.OCT.2022 11:24:43



Date: 19.OCT.2022 11:24:46



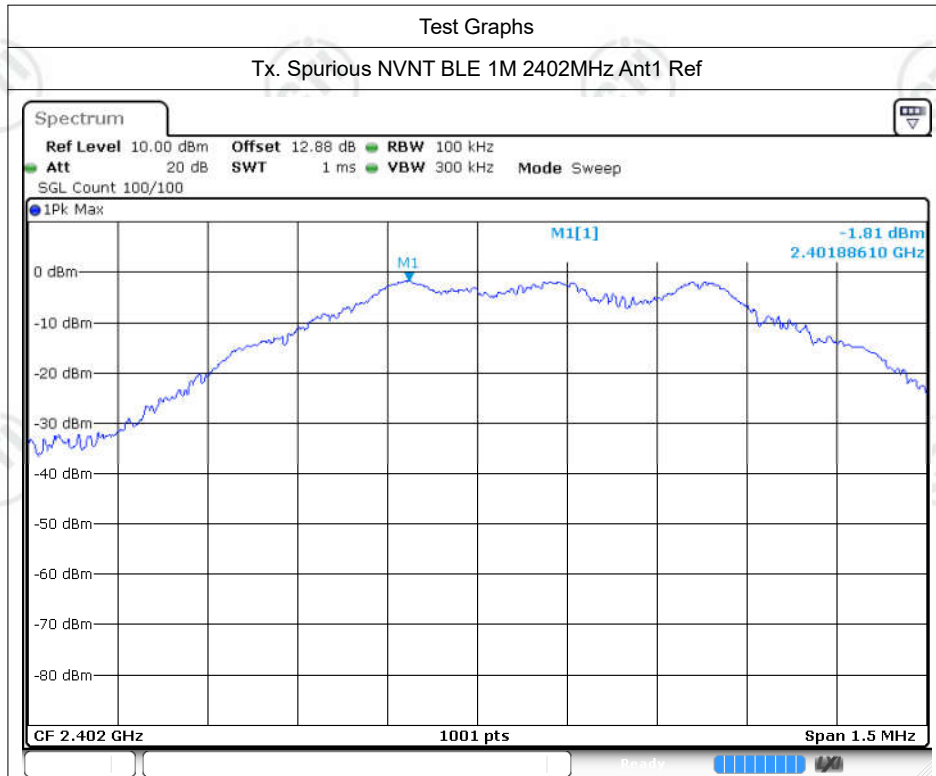
Date: 19.OCT.2022 11:38:16



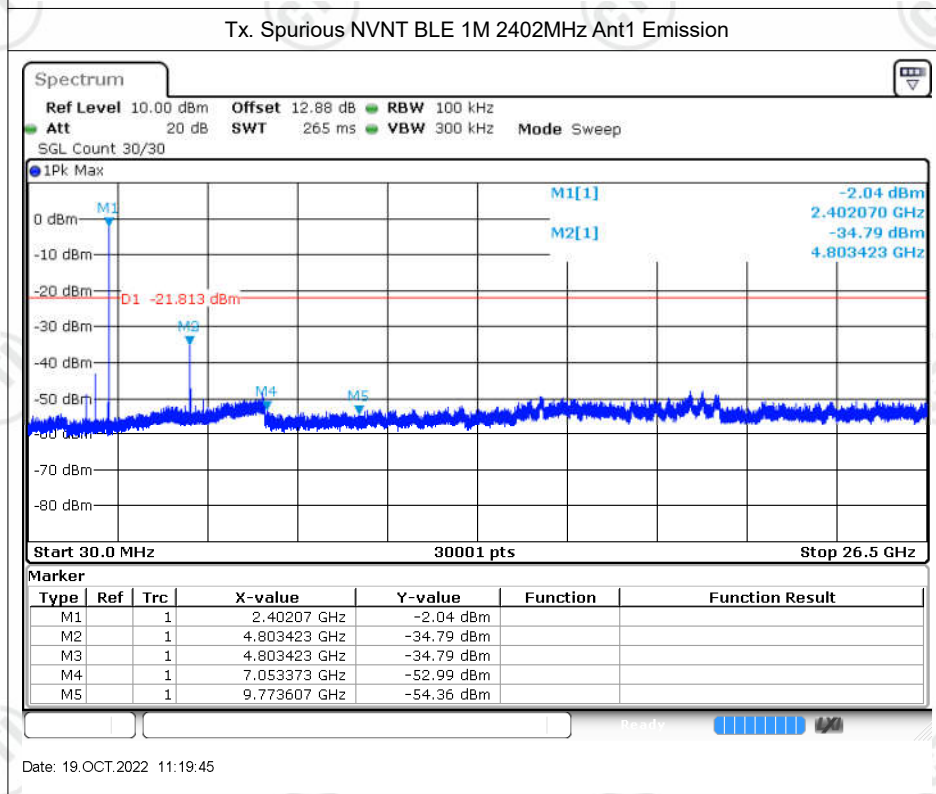
Date: 19.OCT.2022 11:38:18

Conducted RF Spurious Emission

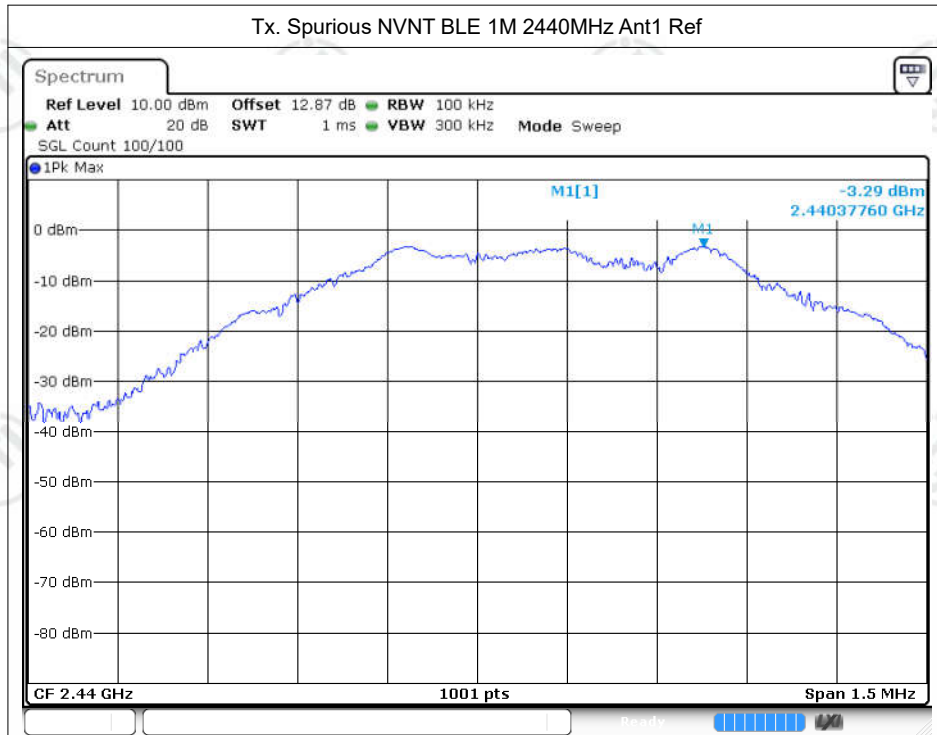
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-32.97	-20	Pass
NVNT	BLE 1M	2440	Ant1	-32.57	-20	Pass
NVNT	BLE 1M	2480	Ant1	-33.99	-20	Pass
NVNT	BLE 2M	2402	Ant1	-33.06	-20	Pass
NVNT	BLE 2M	2440	Ant1	-32.16	-20	Pass
NVNT	BLE 2M	2480	Ant1	-34.31	-20	Pass



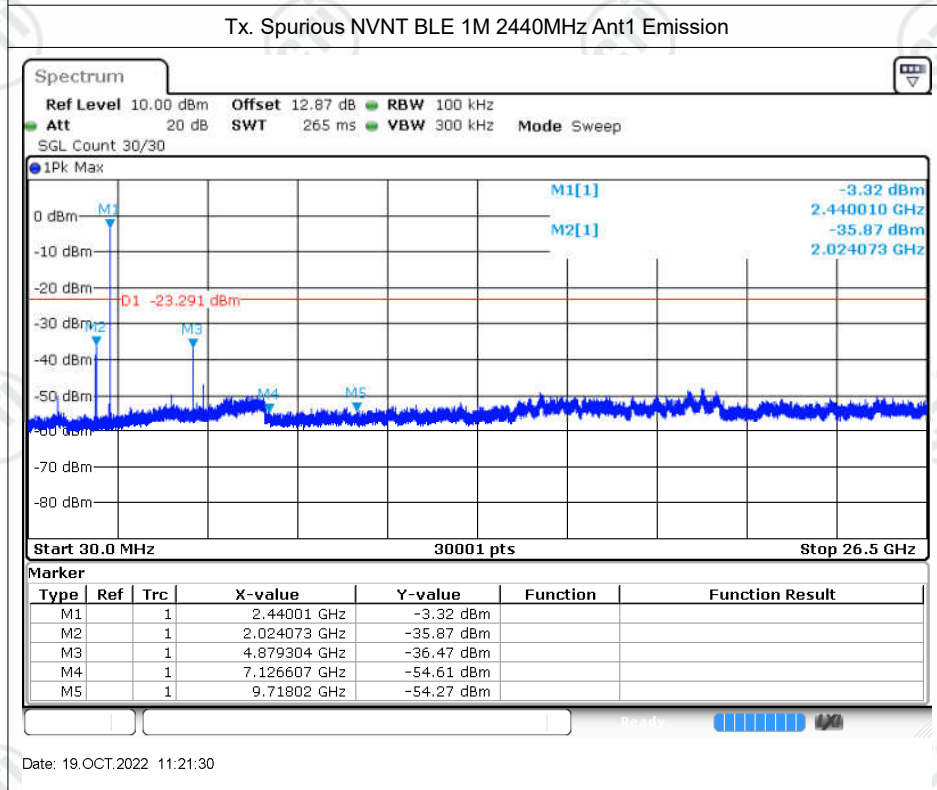
Date: 19.OCT.2022 11:19:17



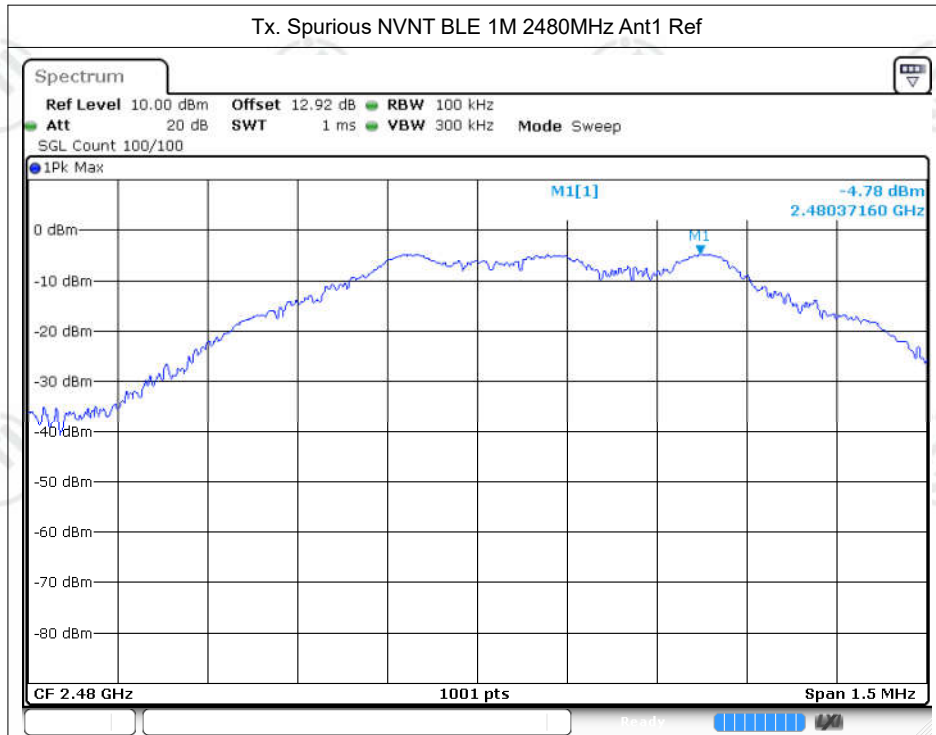
Date: 19.OCT.2022 11:19:45



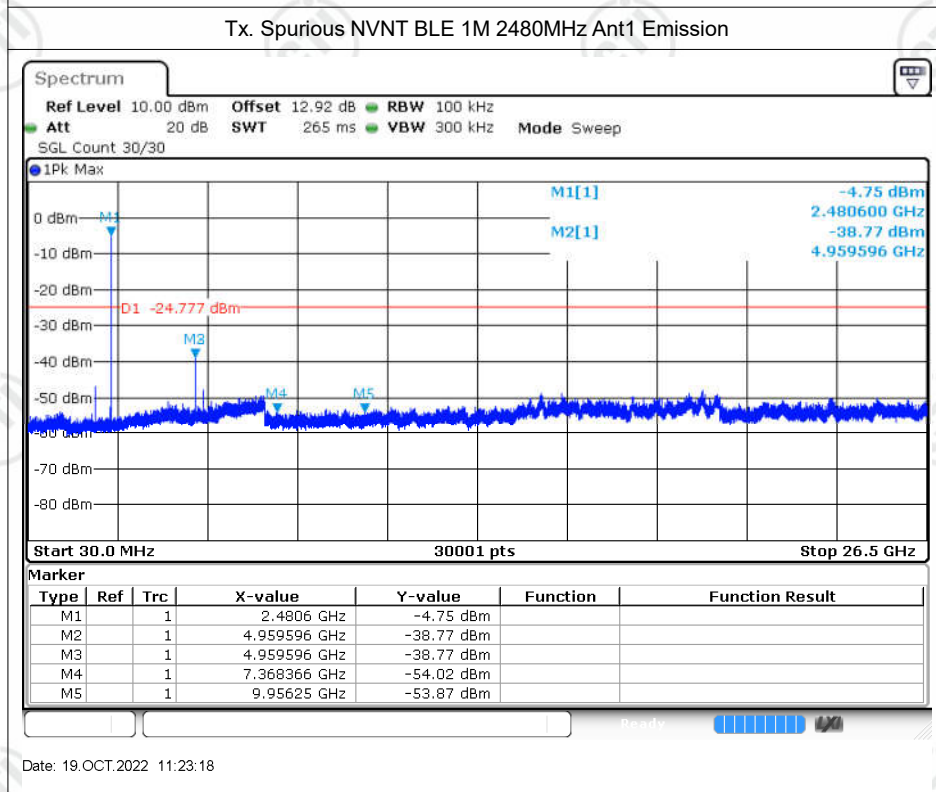
Date: 19.OCT.2022 11:21:01



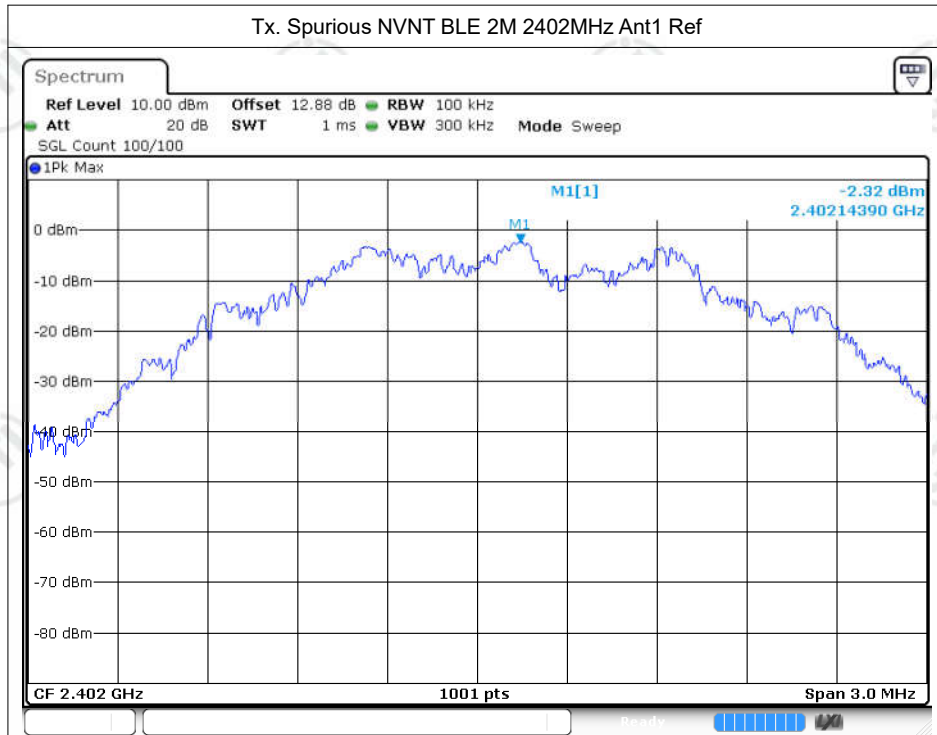
Date: 19.OCT.2022 11:21:30



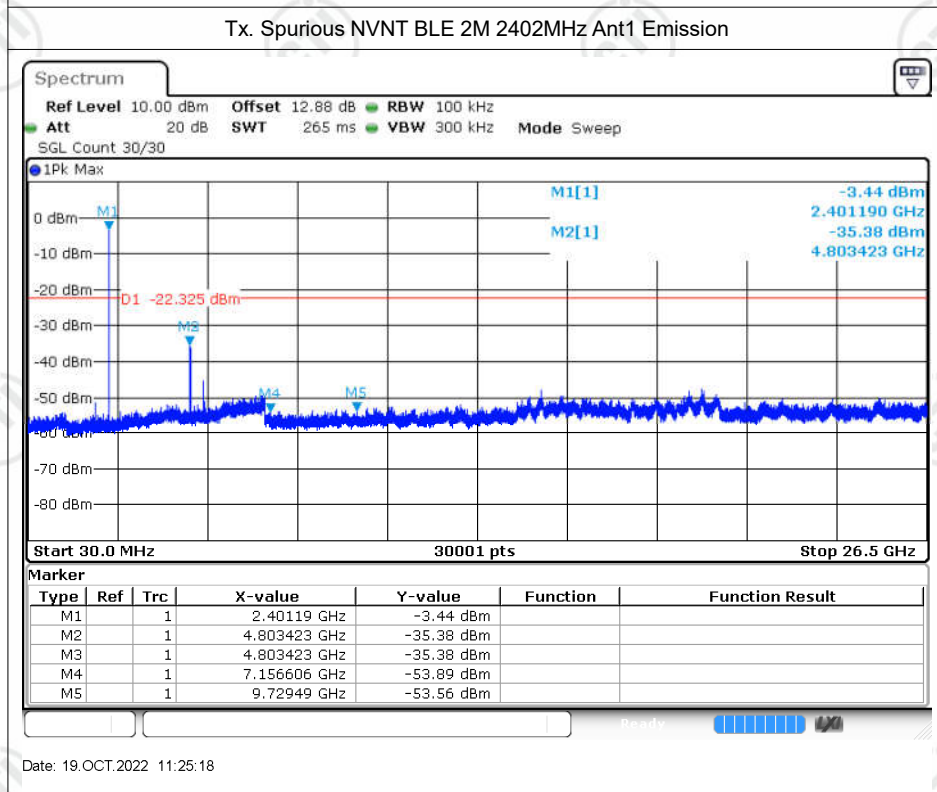
Date: 19.OCT.2022 11:22:50



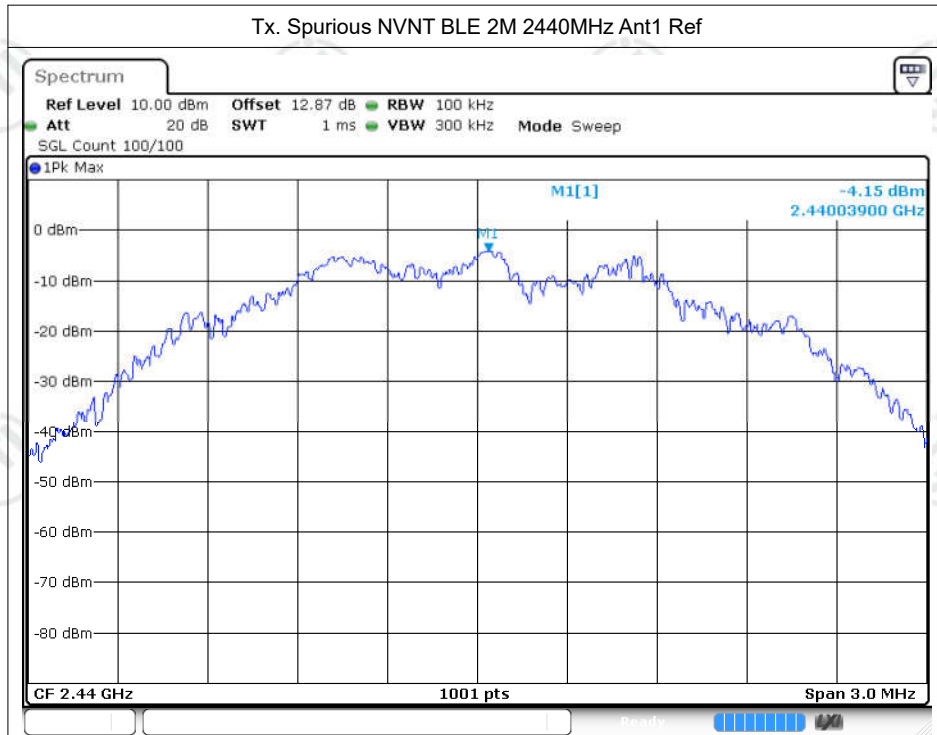
Date: 19.OCT.2022 11:23:18



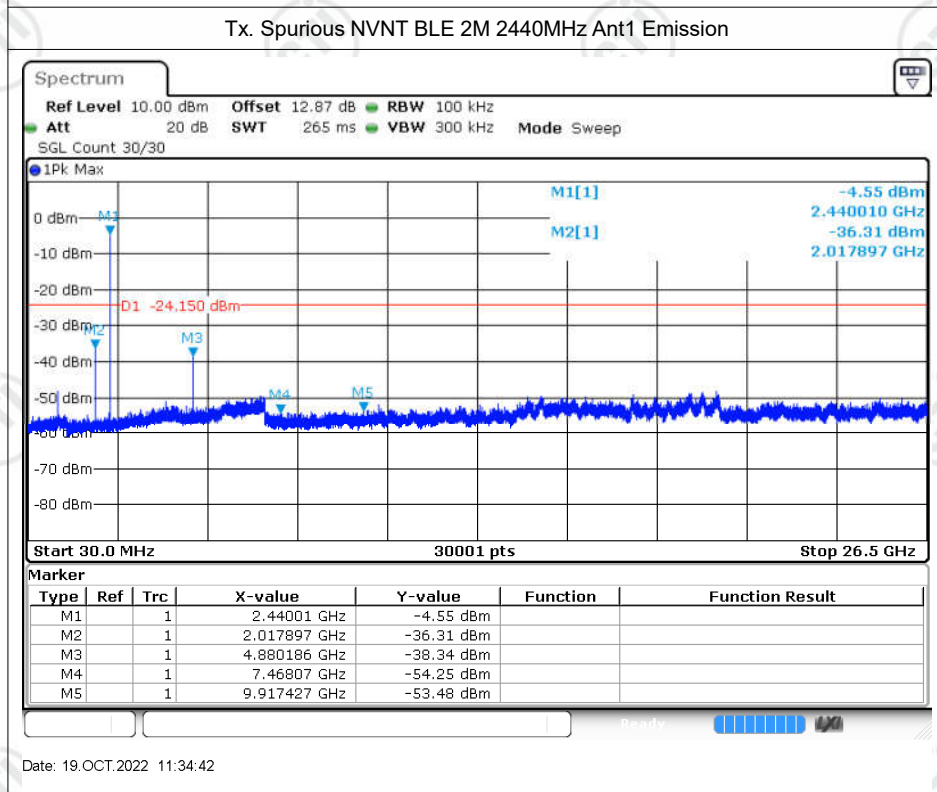
Date: 19.OCT.2022 11:24:49



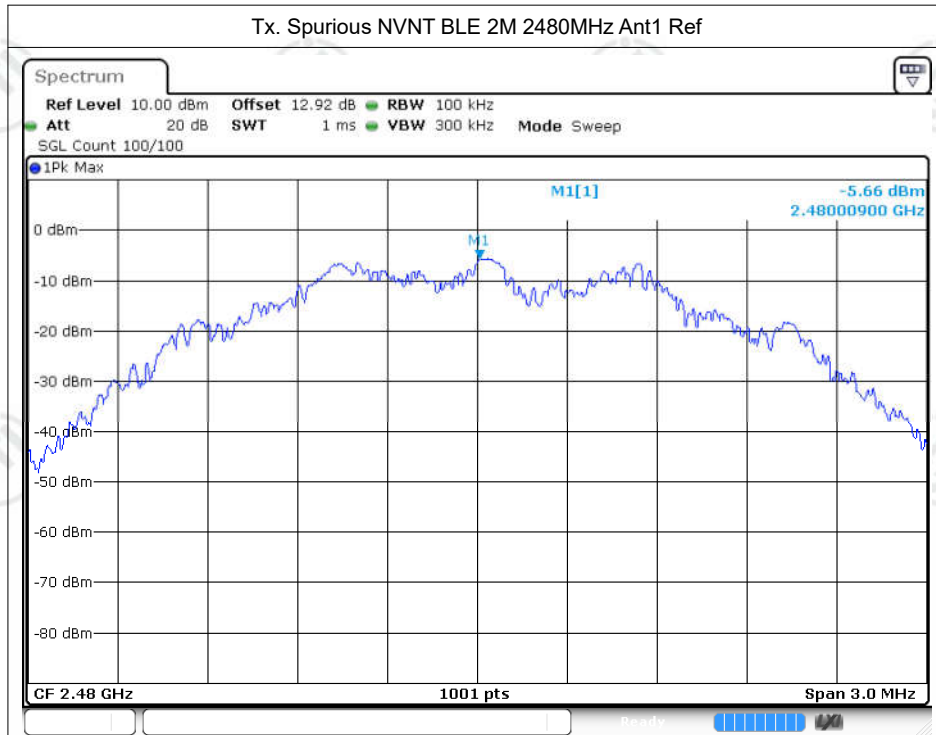
Date: 19.OCT.2022 11:25:18



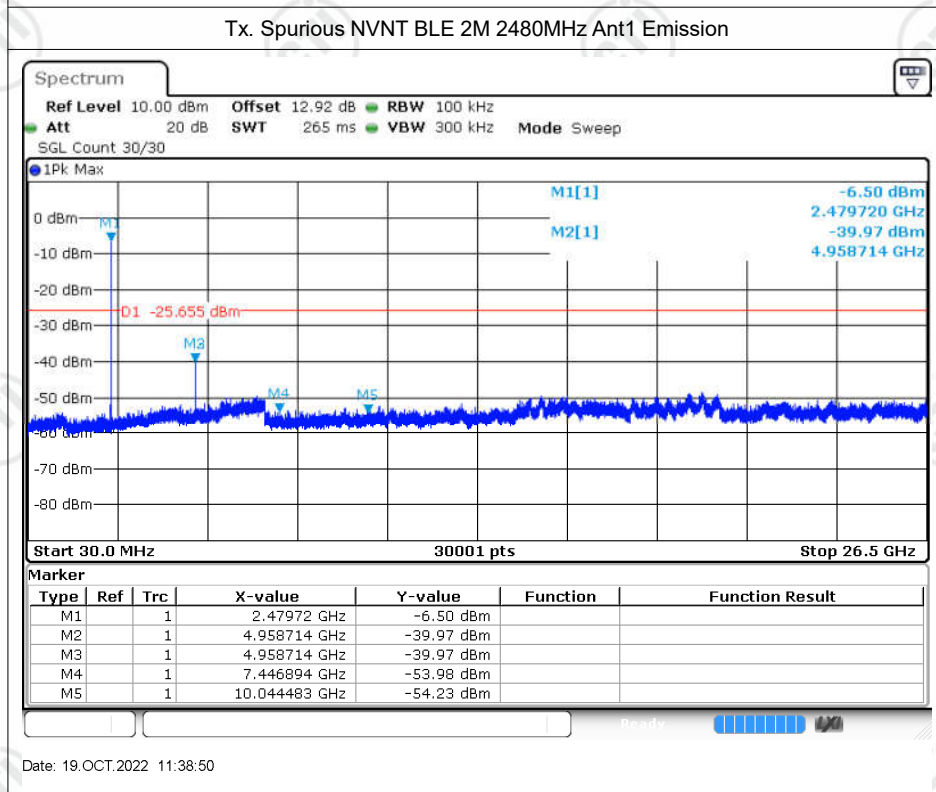
Date: 19.OCT.2022 11:34:13



Date: 19.OCT.2022 11:34:42



Date: 19.OCT.2022 11:38:22



Date: 19.OCT.2022 11:38:50

*** End of Report ***