

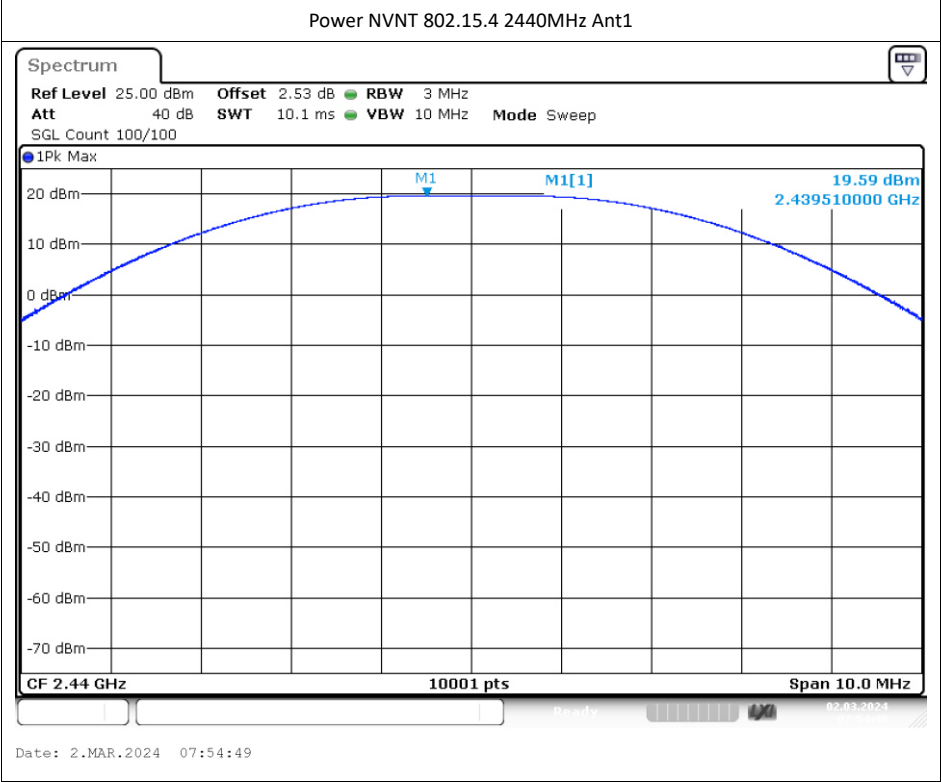
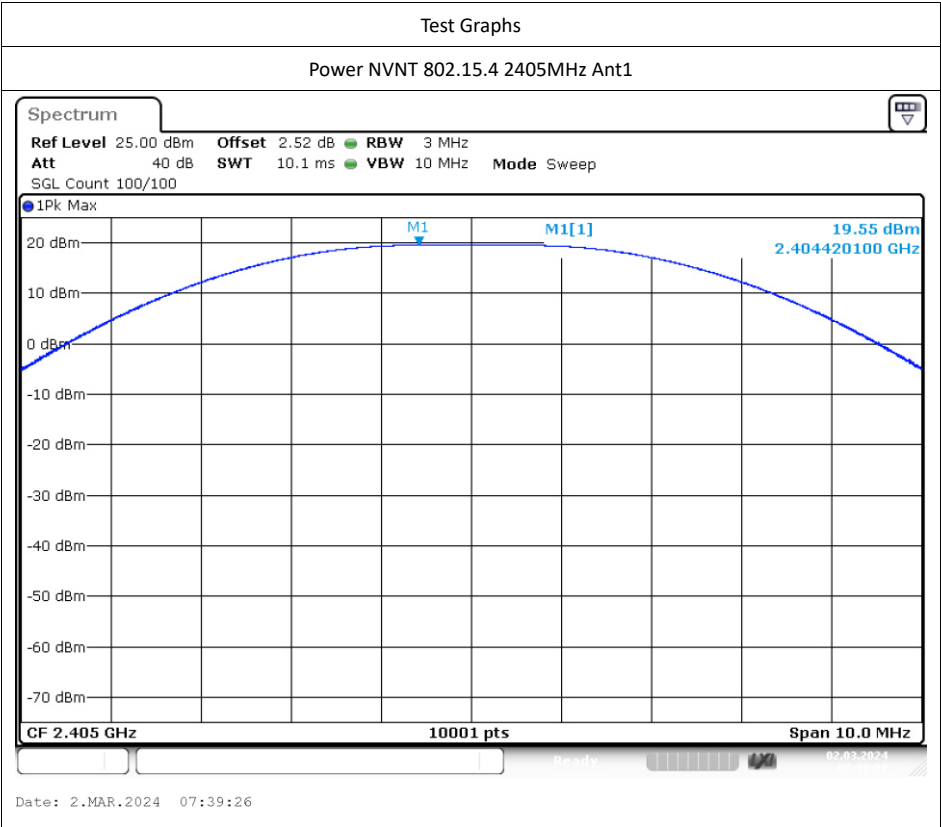
Appendix C

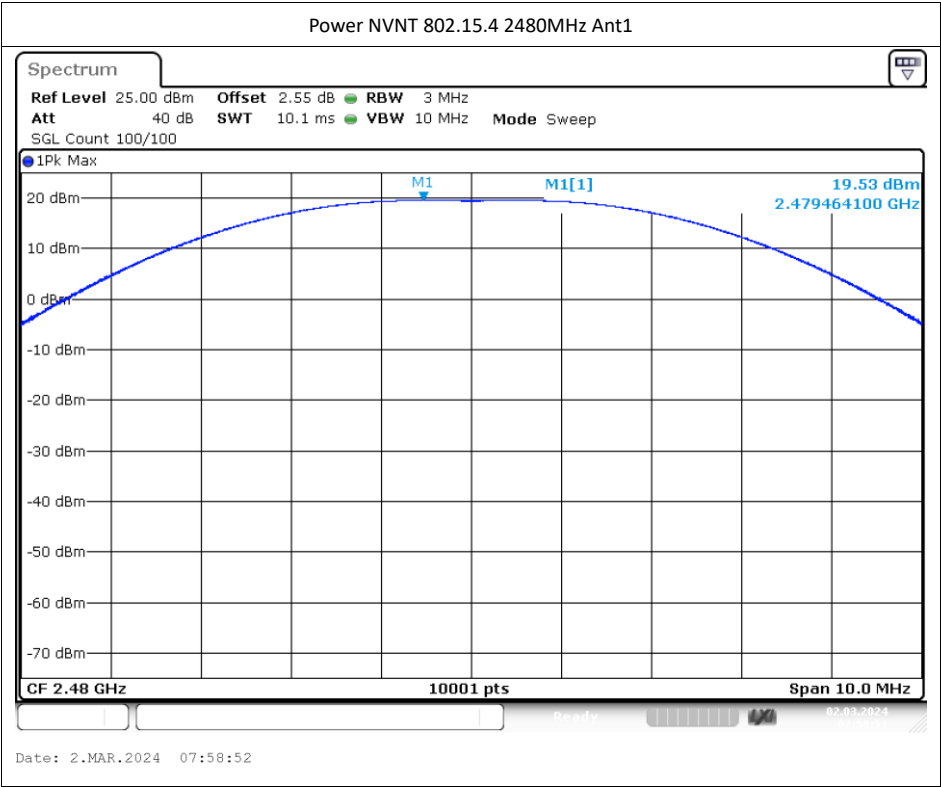
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final settingFor VBW (kHz)
NVNT	802.15.4	2405	Ant1	0	0	100	0	0	1
NVNT	802.15.4	2440	Ant1	0	0	100	0	0	1
NVNT	802.15.4	2480	Ant1	0	0	100	0	0	1

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	E.I.R.P (dBm)	E.I.R.P Limit (dBm)	Verdict
NVNT	802.15.4	2405	Ant1	19.55	0	19.55	30	20.55	<=36.02	Pass
NVNT	802.15.4	2440	Ant1	19.59	0	19.59	30	20.59	<=36.02	Pass
NVNT	802.15.4	2480	Ant1	19.53	0	19.53	30	20.53	<=36.02	Pass
Note1: Antenna Gain: 1 dBi; Note2: E.I.R.P = Measured Power + Antenna Gain										



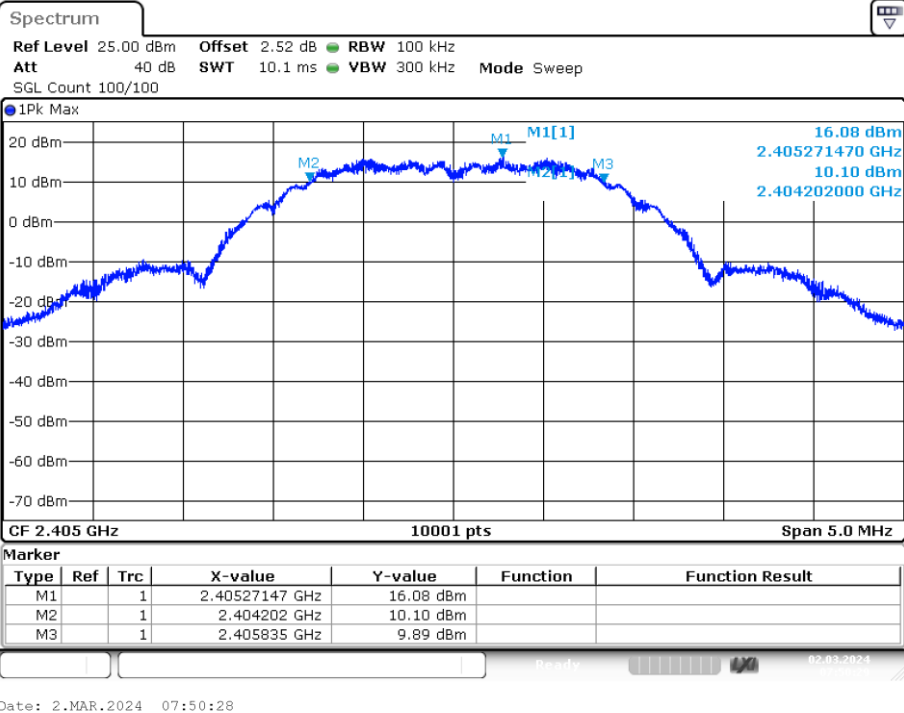


-6dB Bandwidth

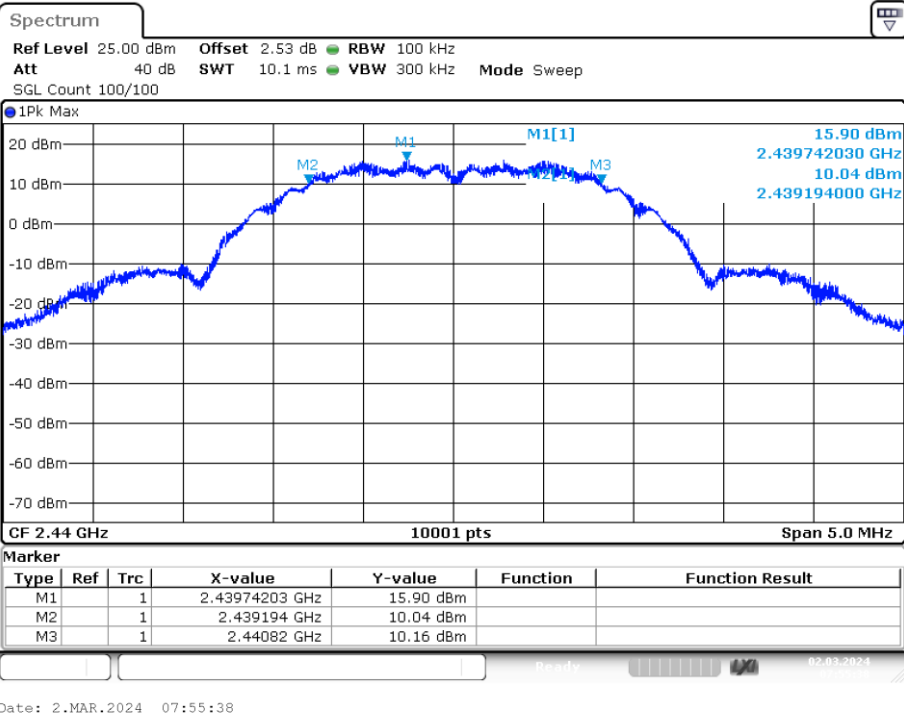
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.15.4	2405	Ant1	1.63	0.5	Pass
NVNT	802.15.4	2440	Ant1	1.63	0.5	Pass
NVNT	802.15.4	2480	Ant1	1.63	0.5	Pass

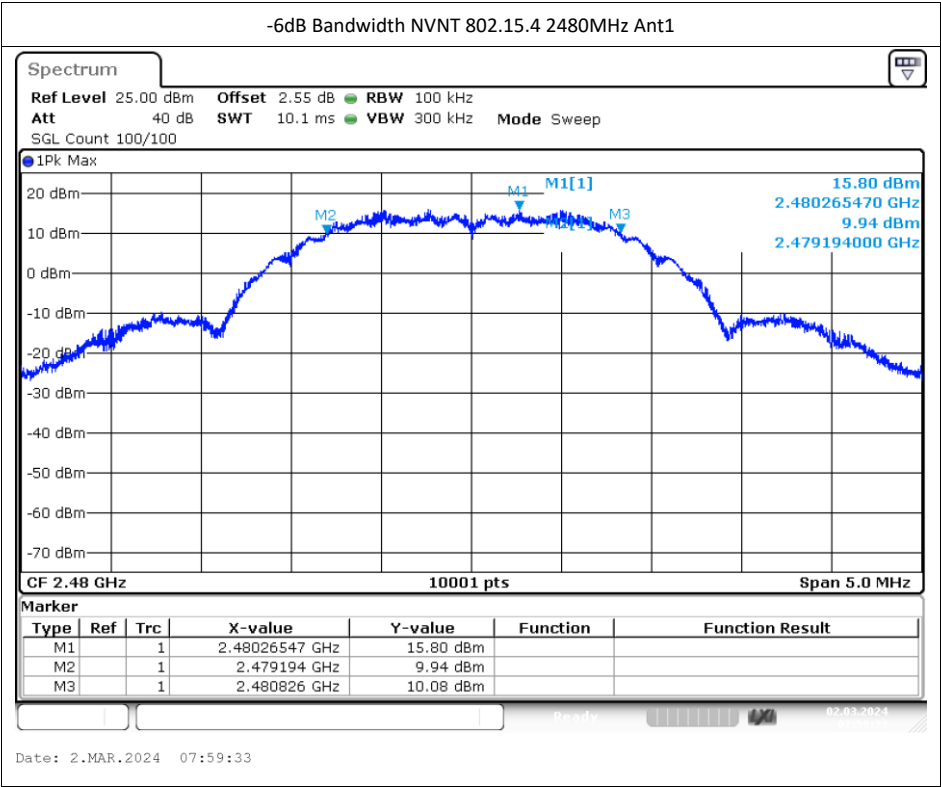
Test Graphs

-6dB Bandwidth NVNT 802.15.4 2405MHz Ant1



-6dB Bandwidth NVNT 802.15.4 2440MHz Ant1



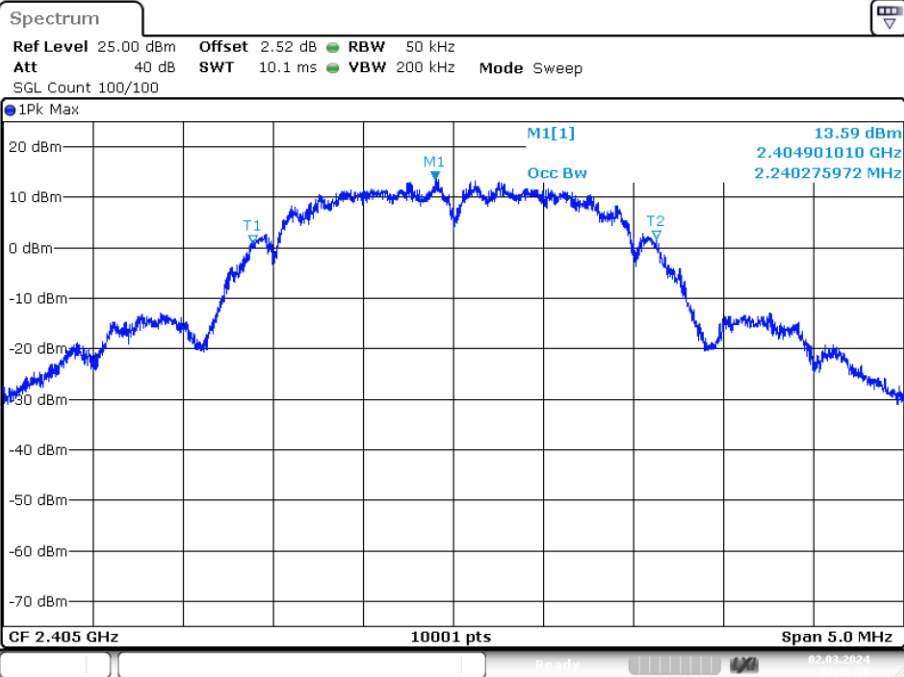


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	802.15.4	2405	Ant1	2.24
NVNT	802.15.4	2440	Ant1	2.238
NVNT	802.15.4	2480	Ant1	2.243

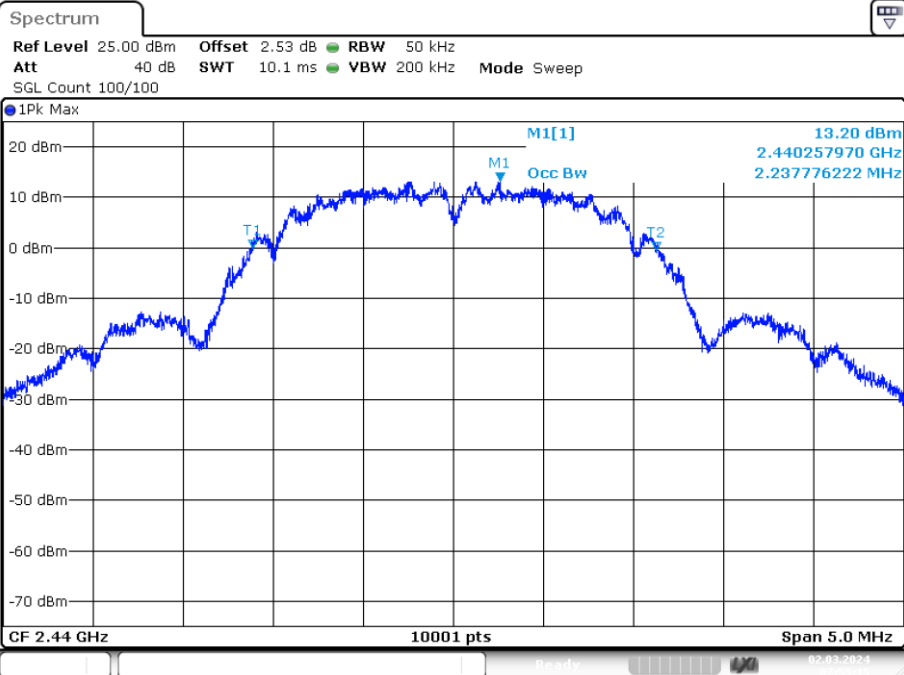
Test Graphs

OBW NVNT 802.15.4 2405MHz Ant1

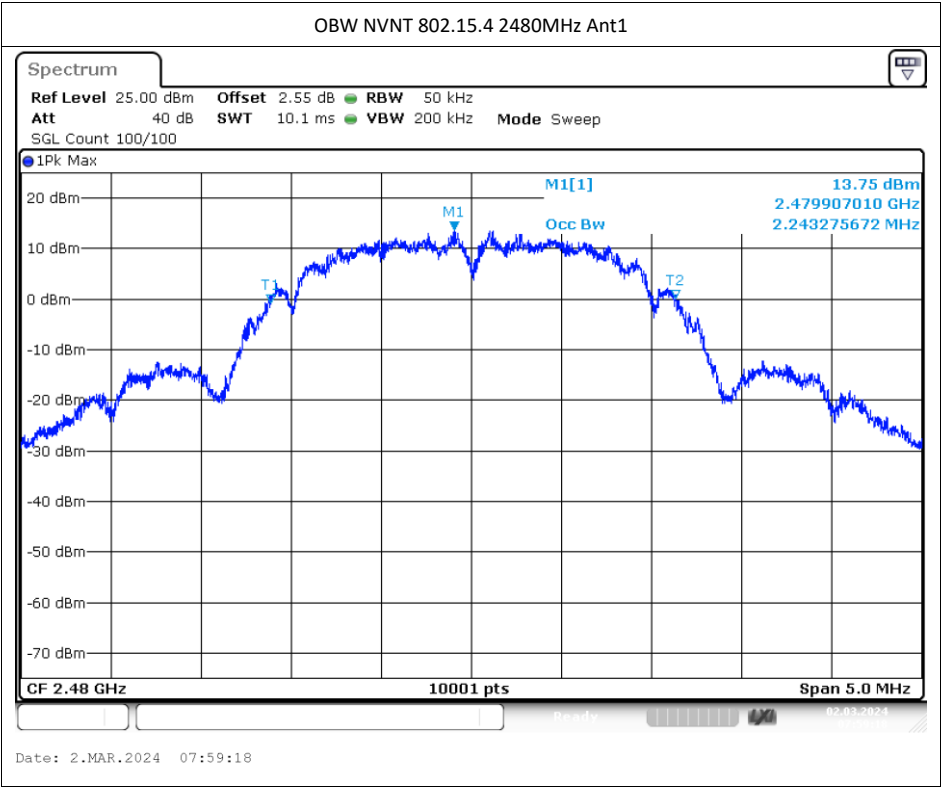


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OBW NVNT 802.15.4 2440MHz Ant1



Date: 2.MAR.2024 07:55:16

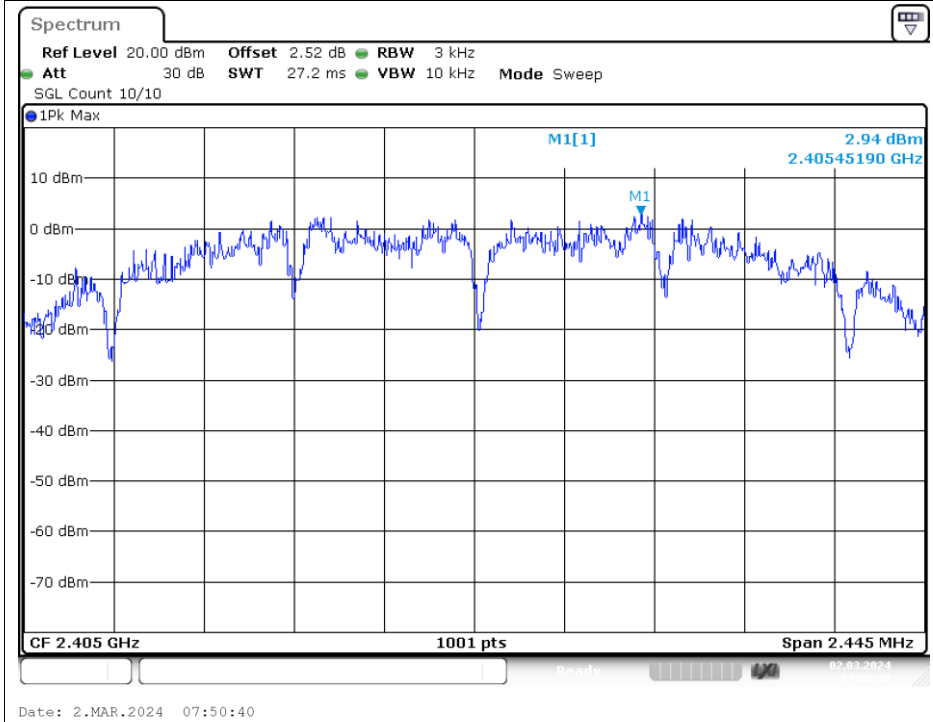


Maximum Power Spectral Density Level

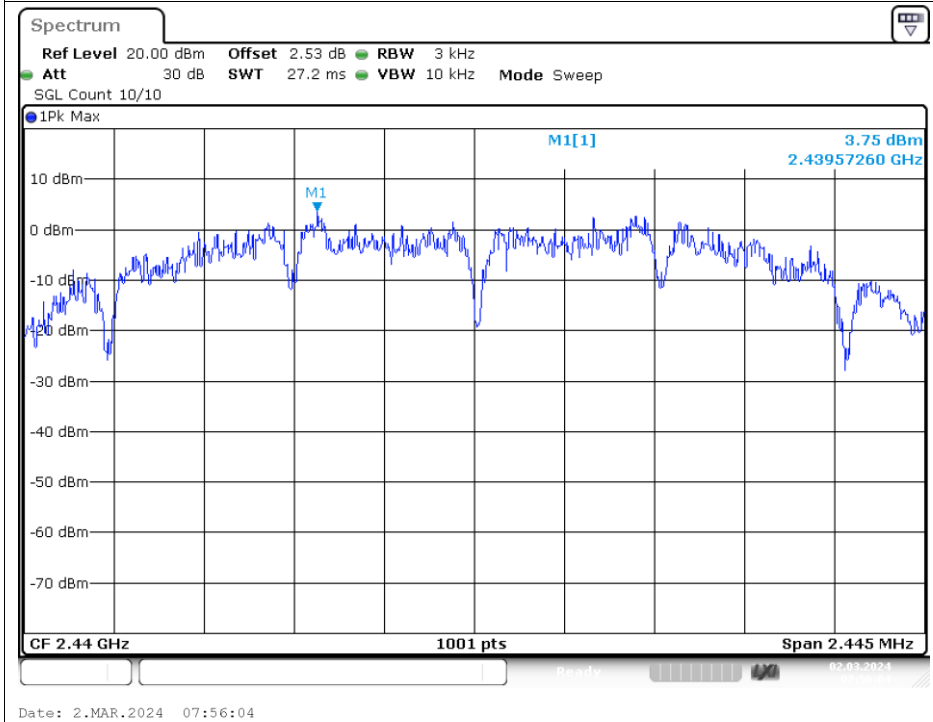
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	802.15.4	2405	Ant1	2.94	0	2.94	8	Pass
NVNT	802.15.4	2440	Ant1	3.75	0	3.75	8	Pass
NVNT	802.15.4	2480	Ant1	3.06	0	3.06	8	Pass

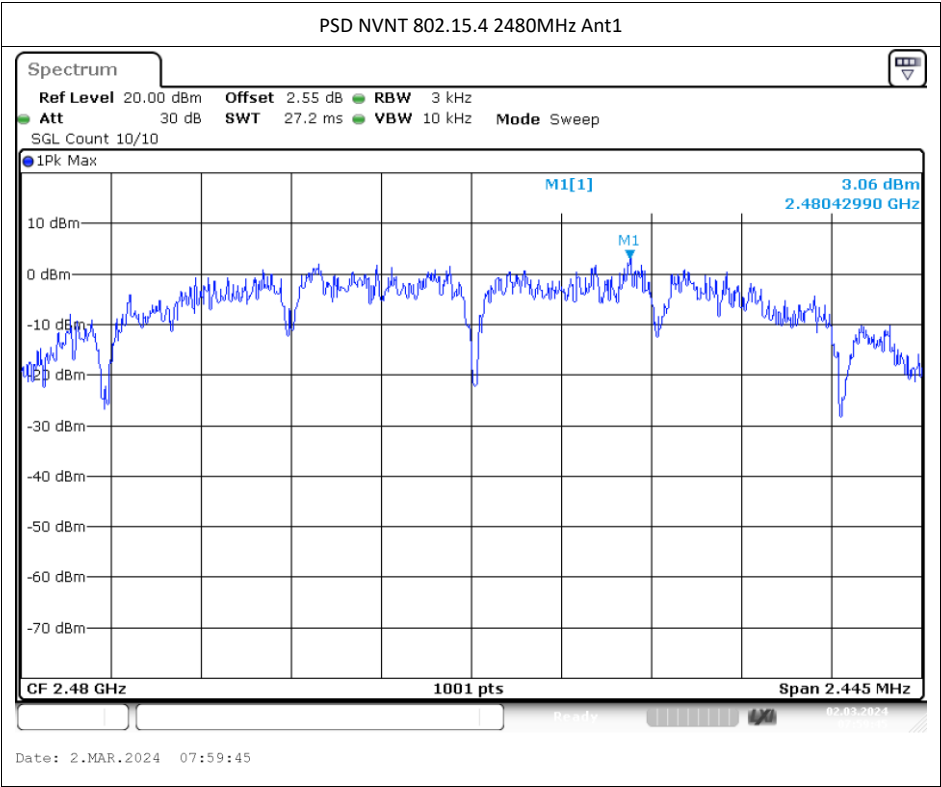
Test Graphs

PSD NVNT 802.15.4 2405MHz Ant1



PSD NVNT 802.15.4 2440MHz Ant1



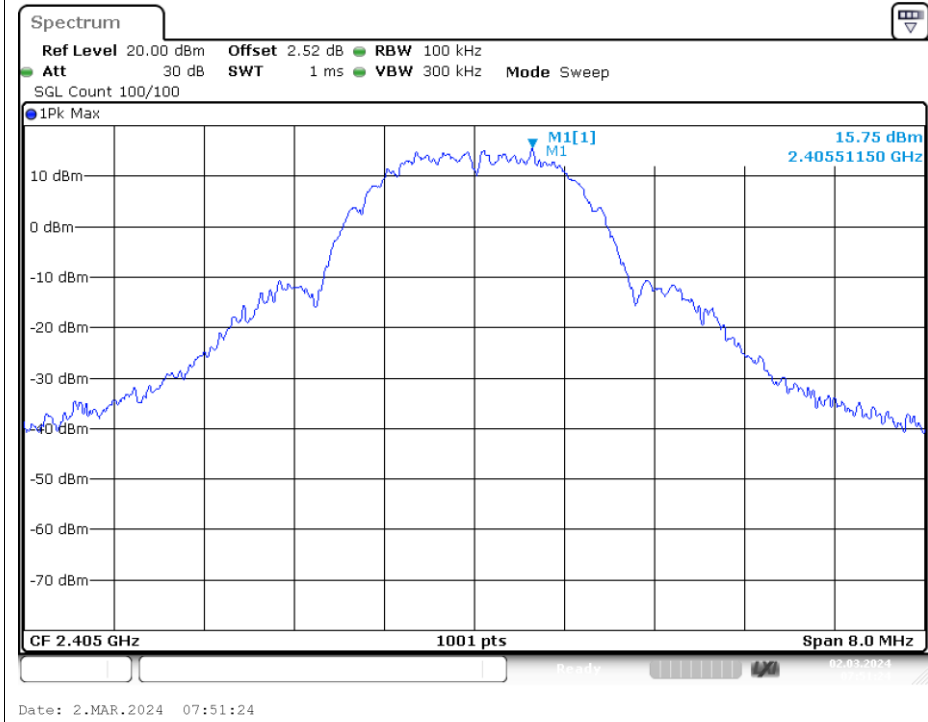


Band Edge

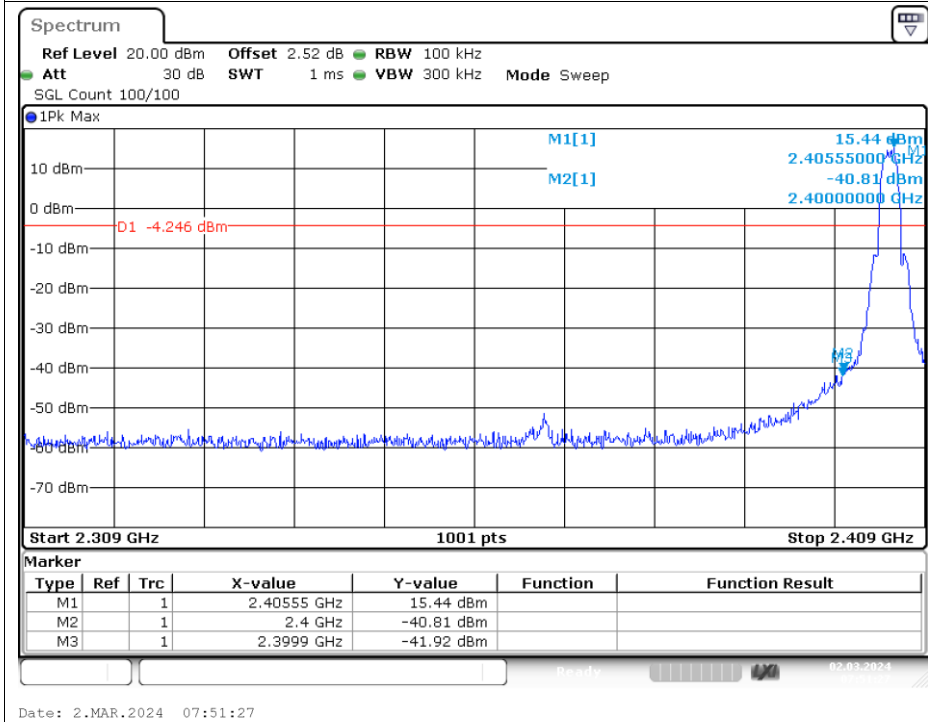
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.15.4	2405	Ant1	-56.56	-20	Pass
NVNT	802.15.4	2480	Ant1	-49.38	-20	Pass

Test Graphs

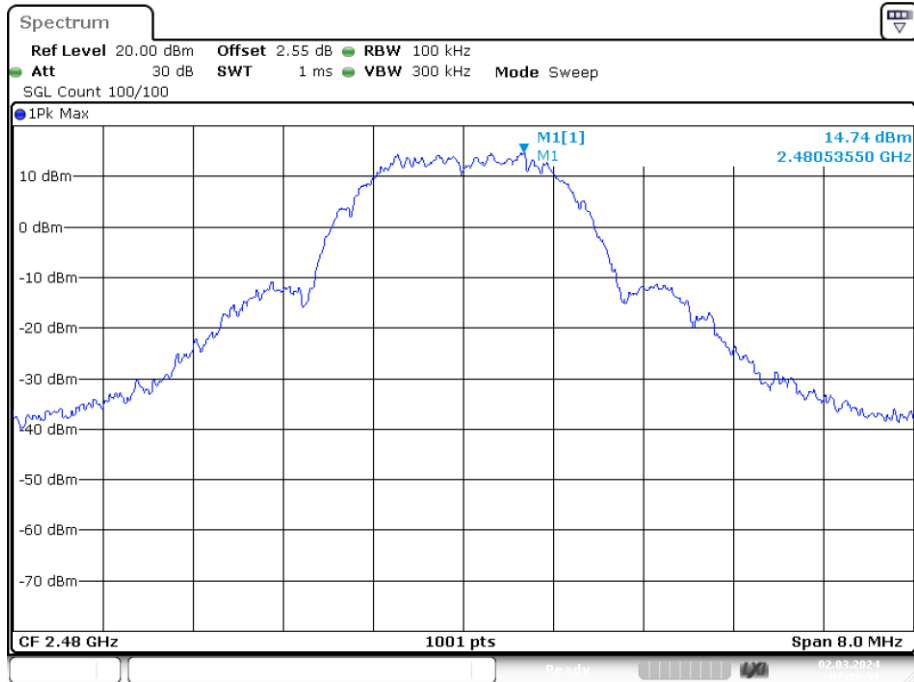
Band Edge NVNT 802.15.4 2405MHz Ant1 Ref



Band Edge NVNT 802.15.4 2405MHz Ant1 Emission

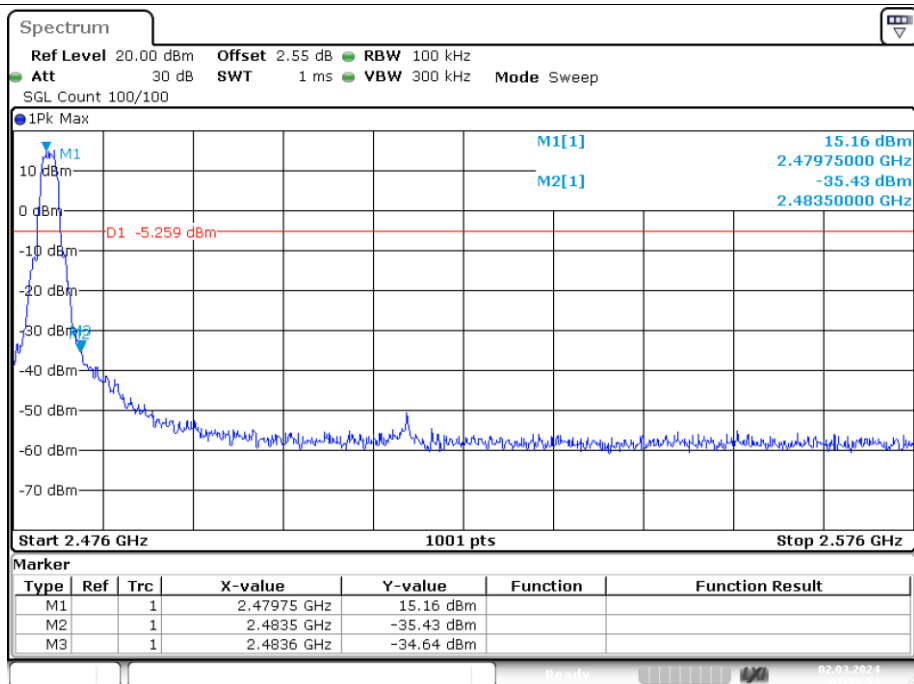


Band Edge NVNT 802.15.4 2480MHz Ant1 Ref



Date: 2.MAR.2024 07:59:50

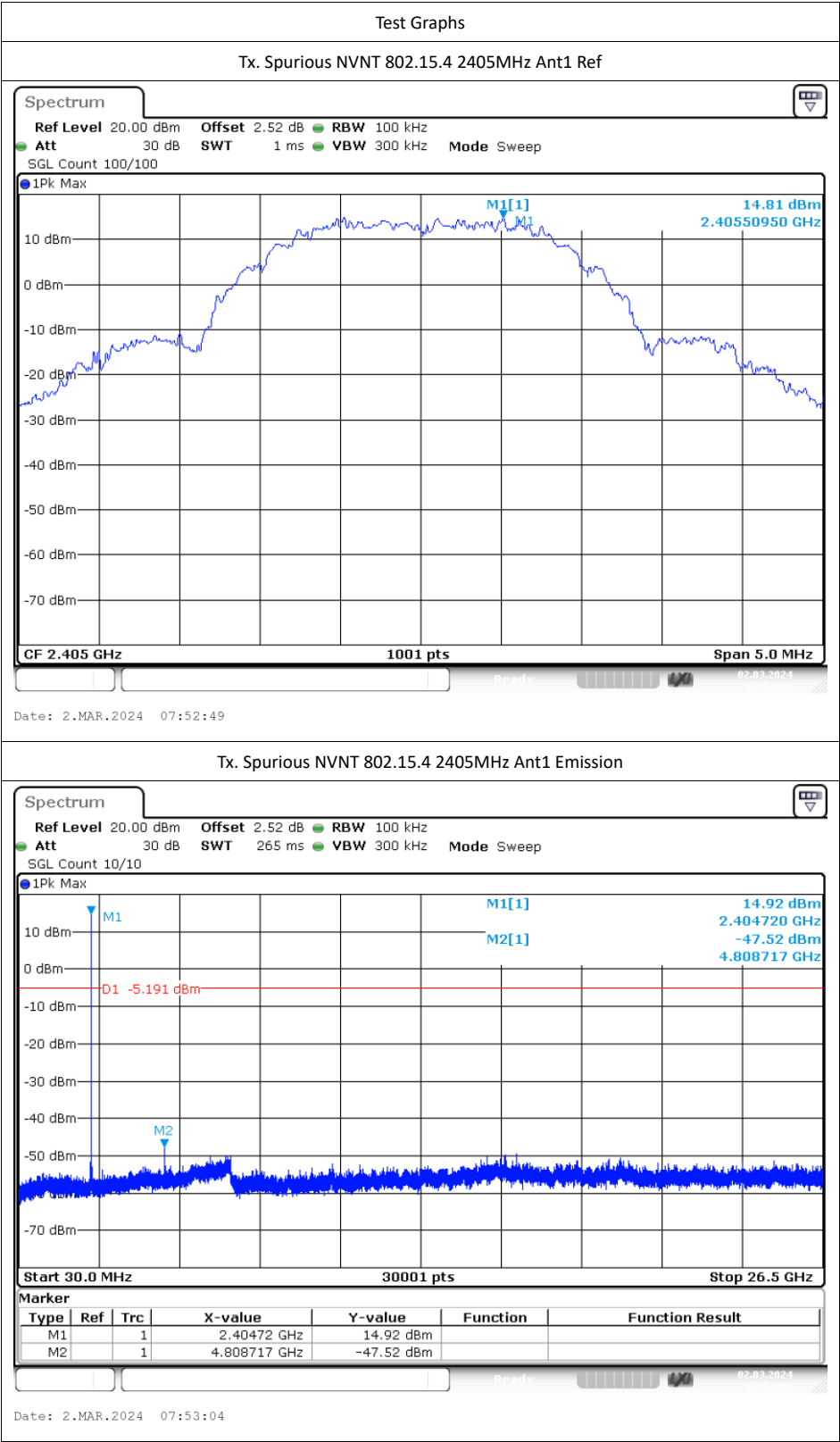
Band Edge NVNT 802.15.4 2480MHz Ant1 Emission



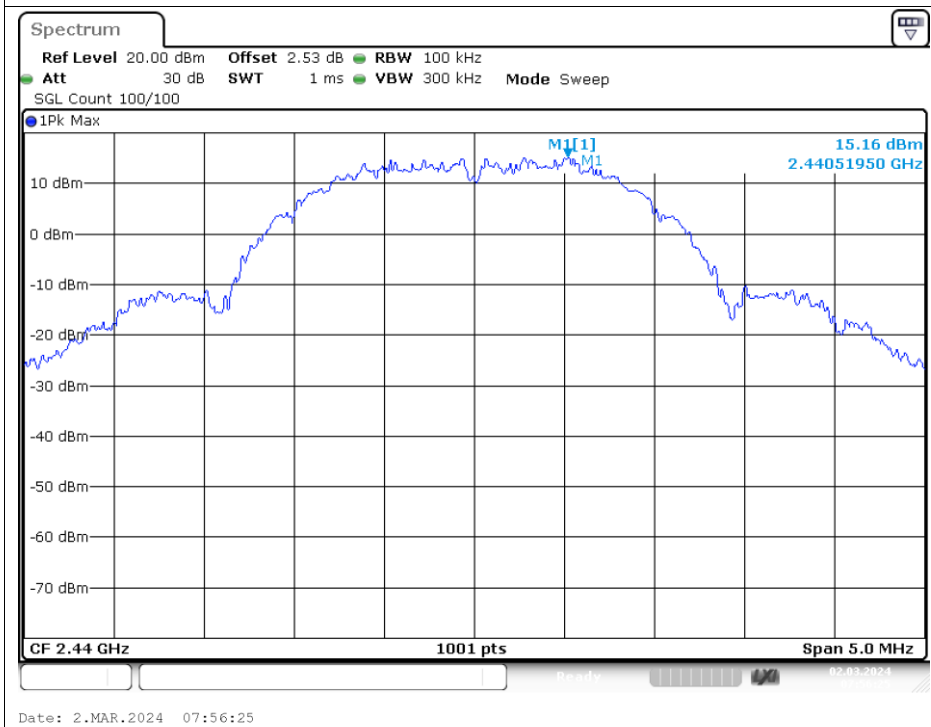
Date: 2.MAR.2024 07:59:53

Conducted RF Spurious Emission

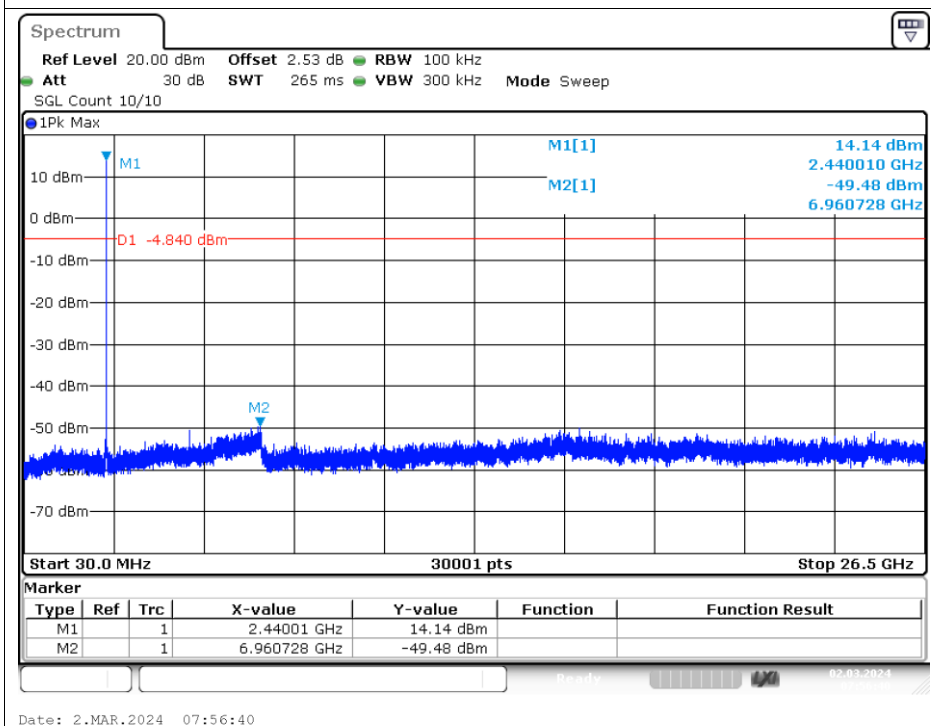
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.15.4	2405	Ant1	-62.33	-20	Pass
NVNT	802.15.4	2440	Ant1	-64.64	-20	Pass
NVNT	802.15.4	2480	Ant1	-64.65	-20	Pass



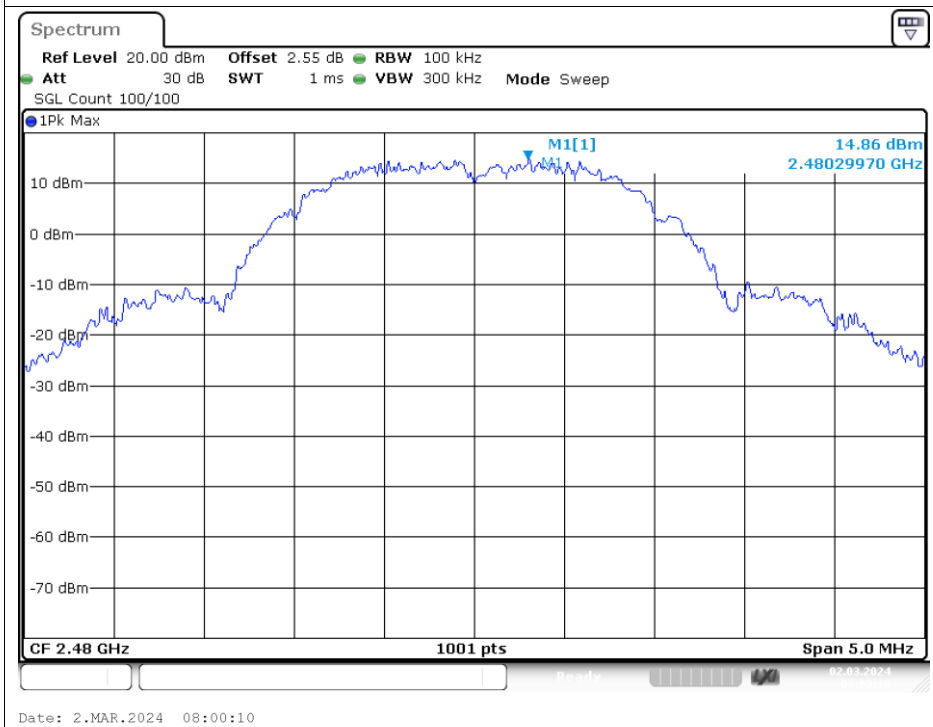
Tx. Spurious NVNT 802.15.4 2440MHz Ant1 Ref



Tx. Spurious NVNT 802.15.4 2440MHz Ant1 Emission



Tx. Spurious NVNT 802.15.4 2480MHz Ant1 Ref



Tx. Spurious NVNT 802.15.4 2480MHz Ant1 Emission

