

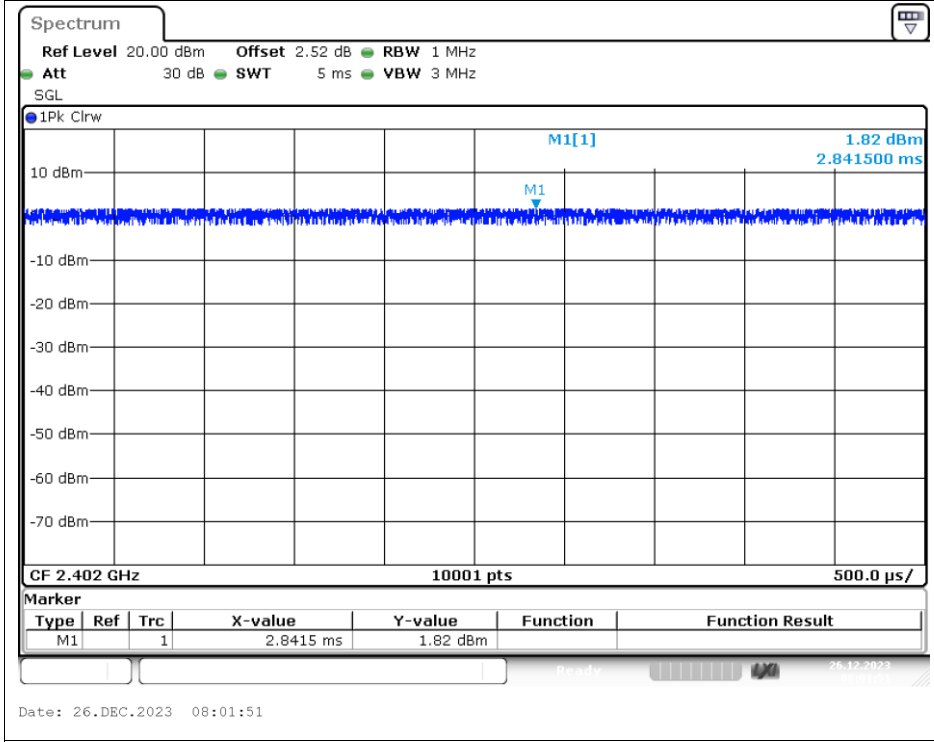
Appendix A

Duty Cycle

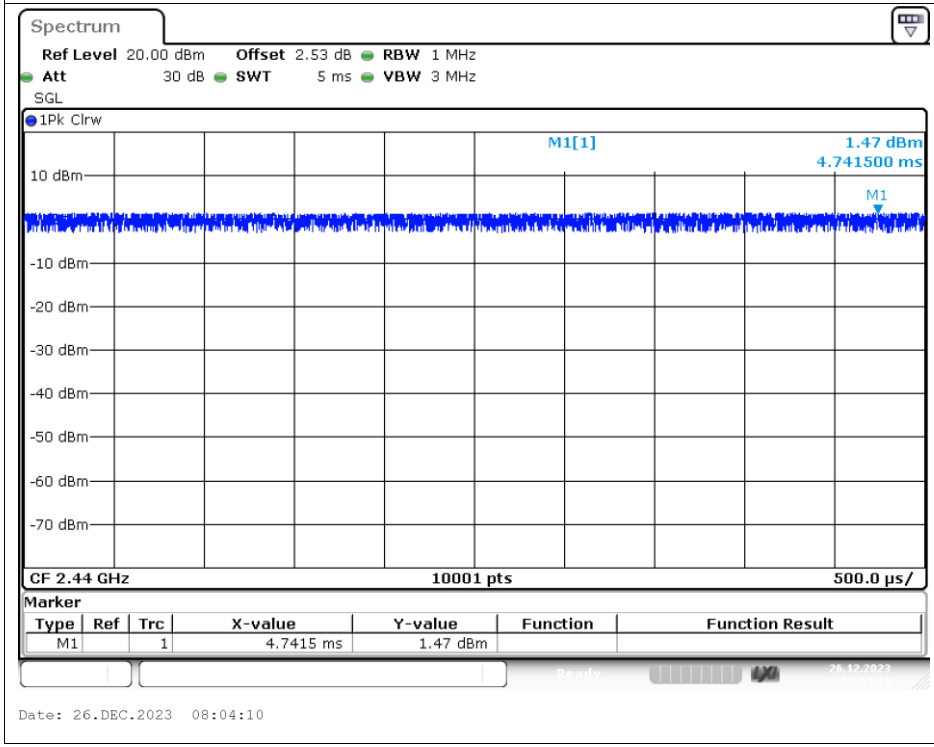
Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final settingFor VBW (kHz)
NVNT	BLE 1M	2402	Ant1	0	0	100	0	0	1
NVNT	BLE 1M	2440	Ant1	0	0	100	0	0	1
NVNT	BLE 1M	2480	Ant1	0	0	100	0	0	1

Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz Ant1



Duty Cycle NVNT BLE 1M 2440MHz Ant1



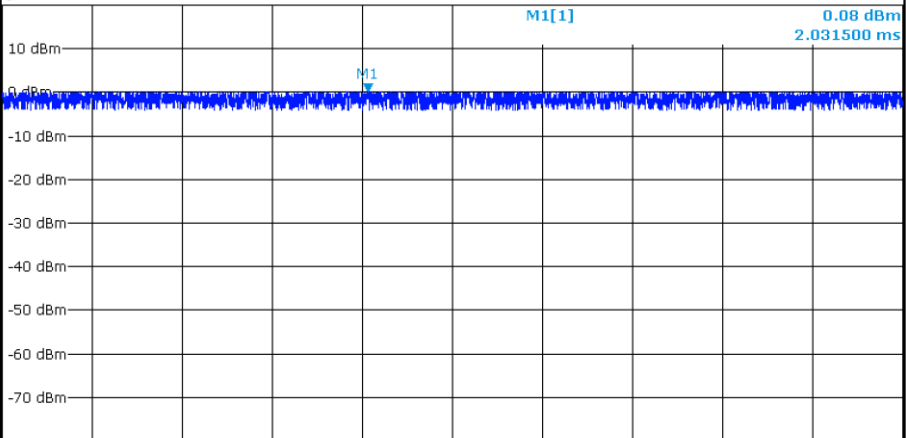
Duty Cycle NVNT BLE 1M 2480MHz Ant1

Spectrum ☰

Ref Level 20.00 dBm Offset 2.55 dB RBW 1 MHz
 Att 30 dB SWT 5 ms VBW 3 MHz

SGL

1Pk Clrw



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.0315 ms	0.08 dBm		

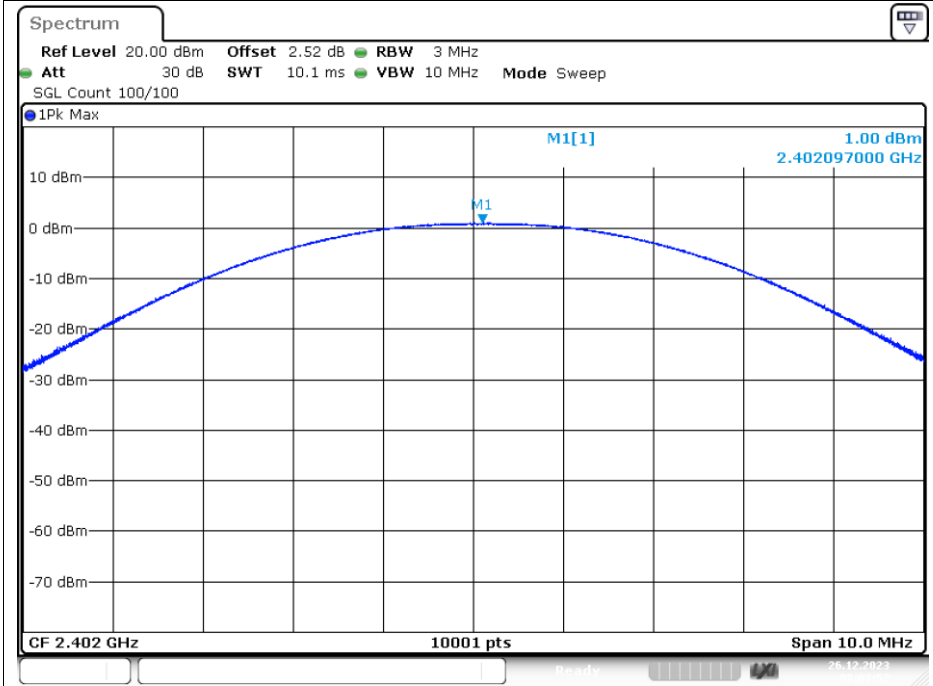
Date: 26.DEC.2023 08:05:20

Maximum Conducted Output Power

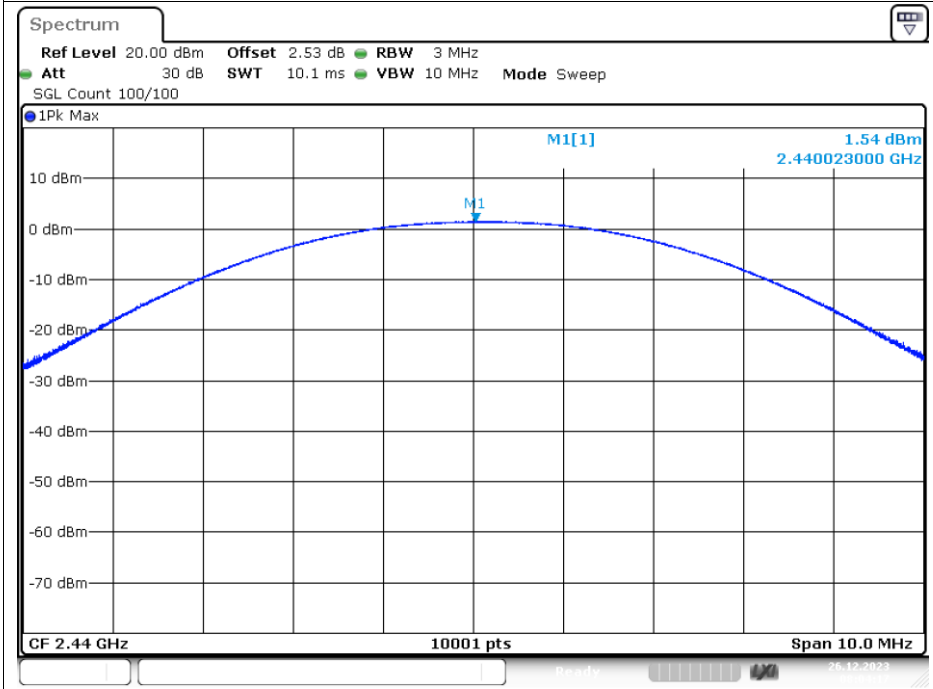
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Antenna Gain(dBi)	E.I.R.P (dBm)	E.I.R.P Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1	0	1	30	2.2	3.2	36.02	Pass
NVNT	BLE 1M	2440	Ant1	1.54	0	1.54	30	2.2	3.74	36.02	Pass
NVNT	BLE 1M	2480	Ant1	0.26	0	0.26	30	2.2	2.46	36.02	Pass

Test Graphs

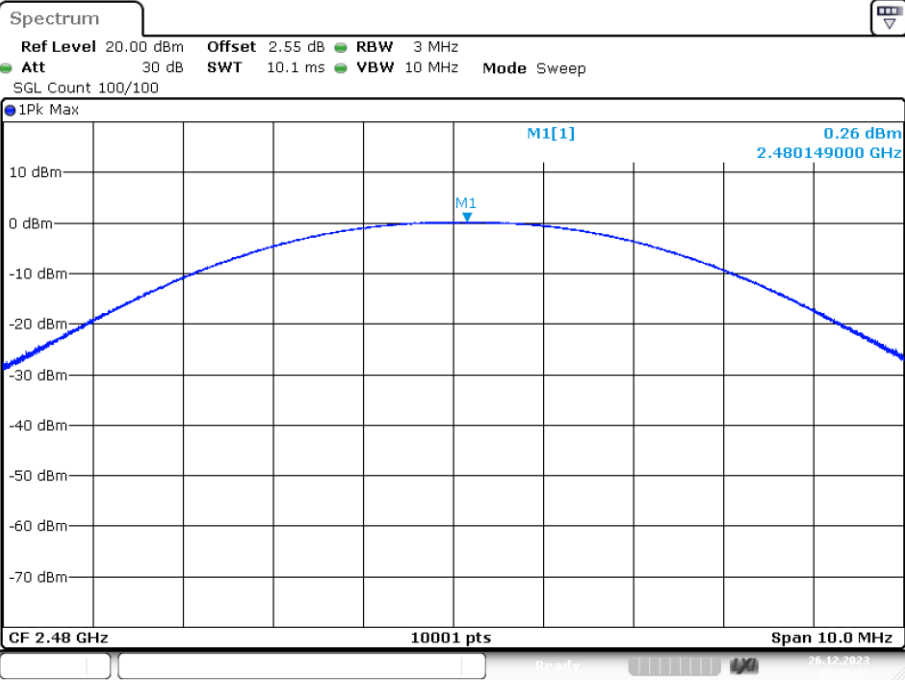
Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1



Power NVNT BLE 1M 2480MHz Ant1



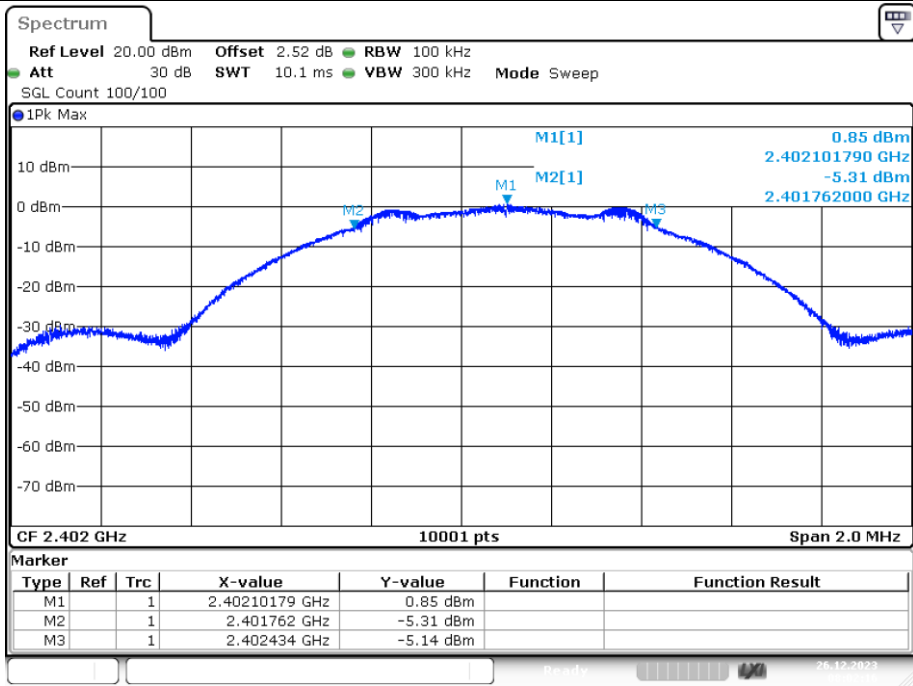
Date: 26.DEC.2023 08:05:27

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.672	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.673	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.676	0.5	Pass

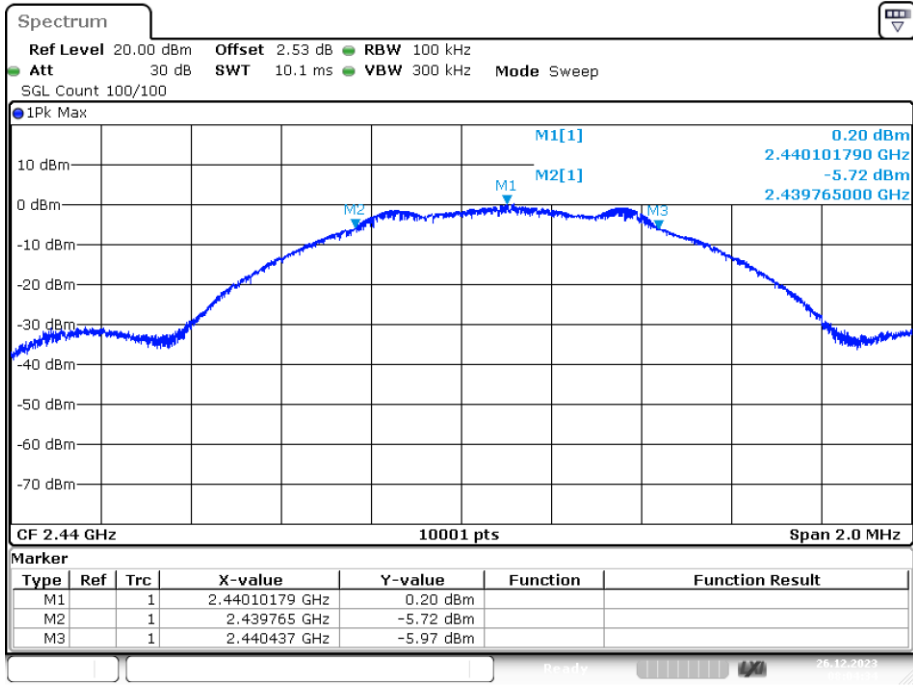
Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



Date: 26.DEC.2023 08:02:15

-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

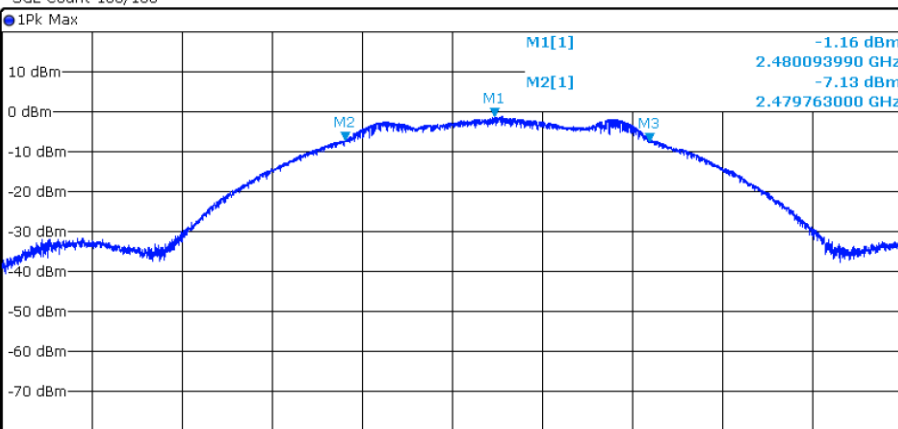


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-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1

Spectrum [Icons]

Ref Level 20.00 dBm Offset 2.55 dB RBW 100 kHz
 Att 30 dB SWT 10.1 ms VBW 300 kHz Mode Sweep
 SGL Count 100/100



Marker						
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48009399 GHz	-1.16 dBm		
M2		1	2.479763 GHz	-7.13 dBm		
M3		1	2.480439 GHz	-7.31 dBm		

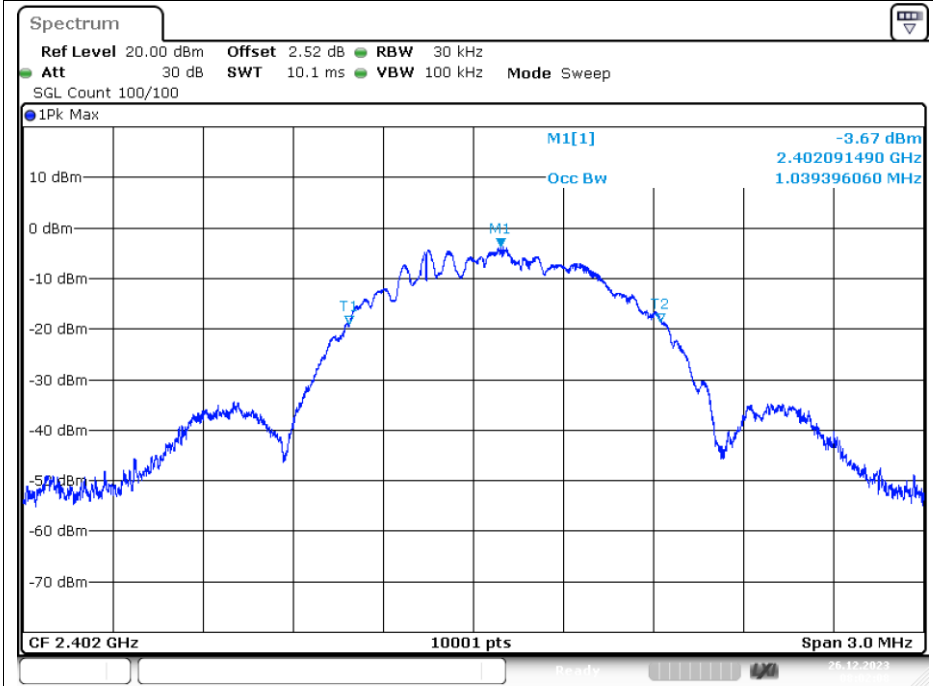
Date: 26.DEC.2023 08:05:44

Occupied Channel Bandwidth

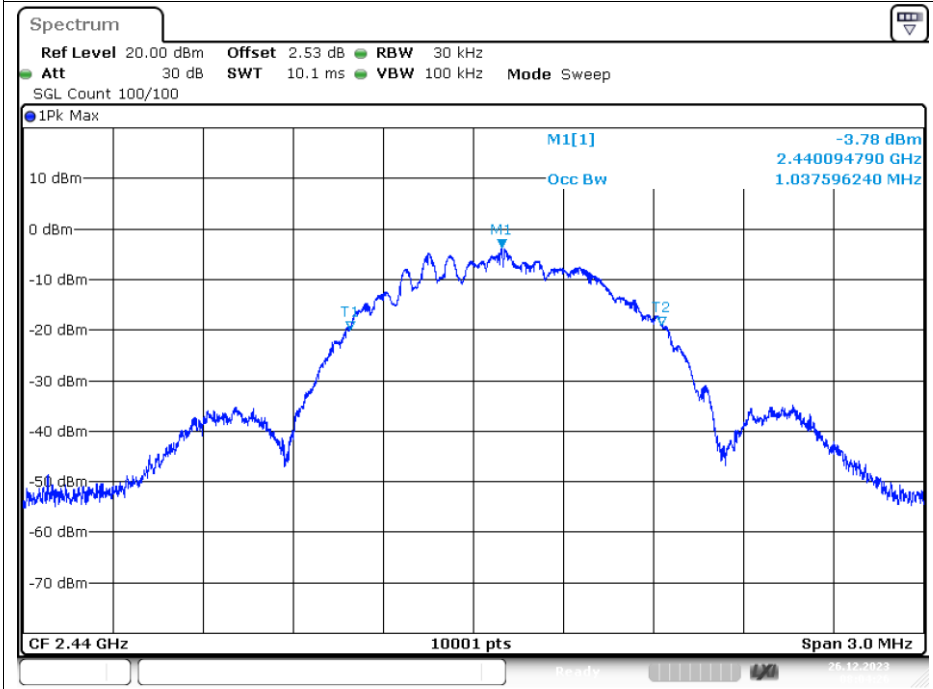
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.039
NVNT	BLE 1M	2440	Ant1	1.038
NVNT	BLE 1M	2480	Ant1	1.039

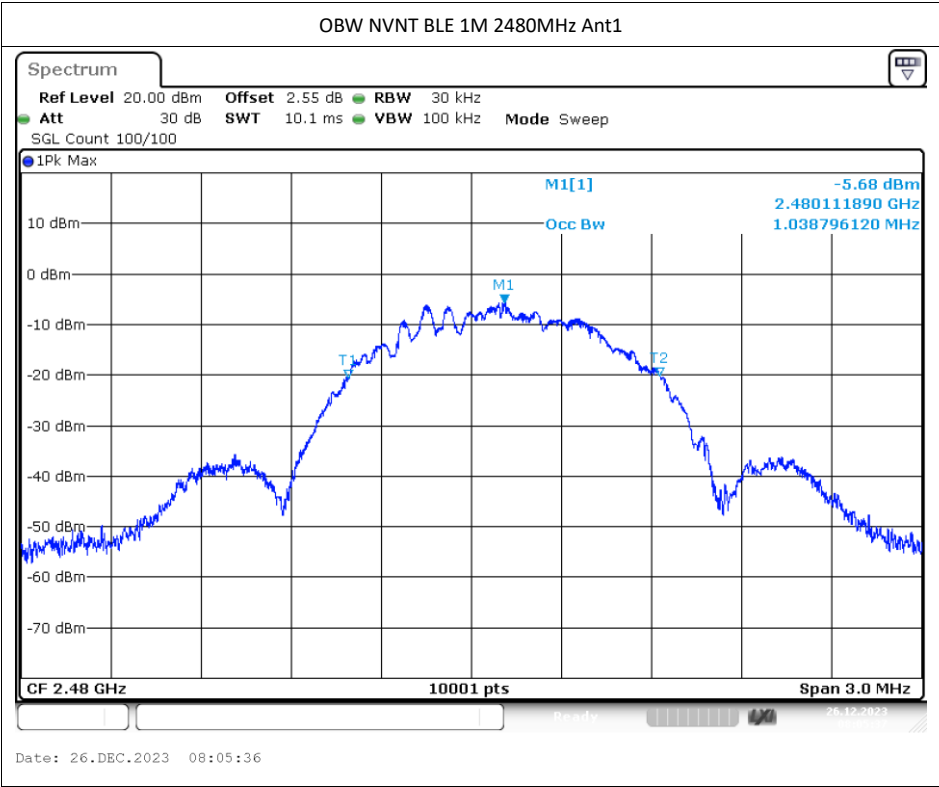
Test Graphs

OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



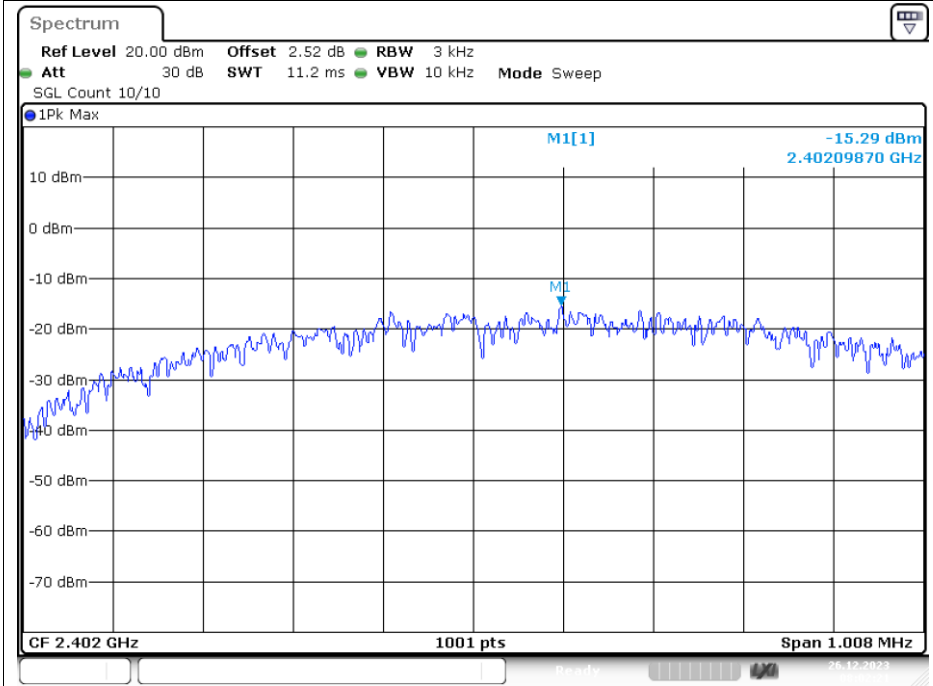


Maximum Power Spectral Density Level

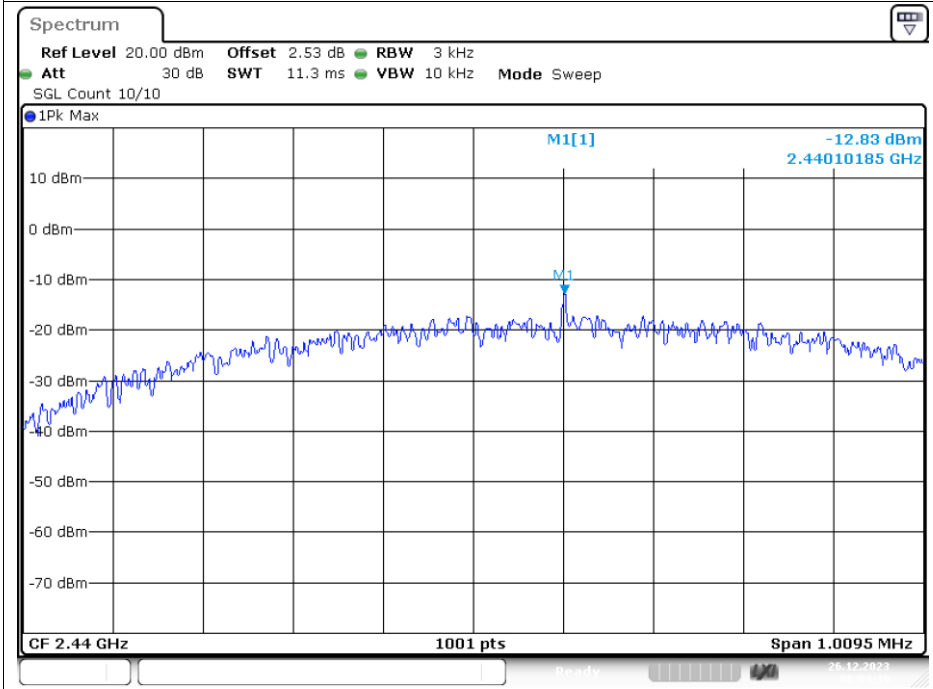
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-15.29	0	-15.29	8	Pass
NVNT	BLE 1M	2440	Ant1	-12.83	0	-12.83	8	Pass
NVNT	BLE 1M	2480	Ant1	-13.39	0	-13.39	8	Pass

Test Graphs

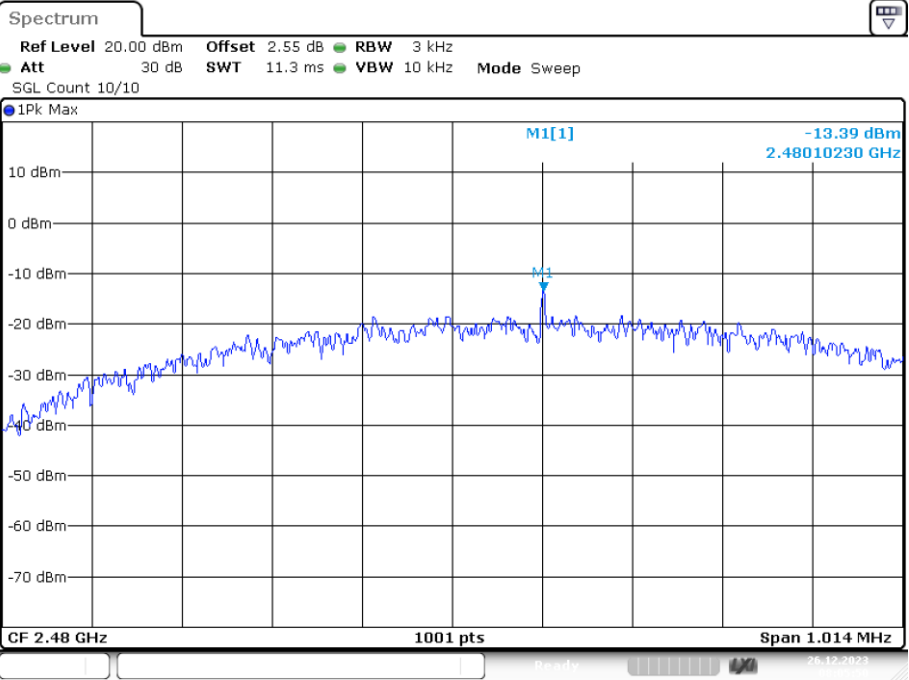
PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1



PSD NVNT BLE 1M 2480MHz Ant1



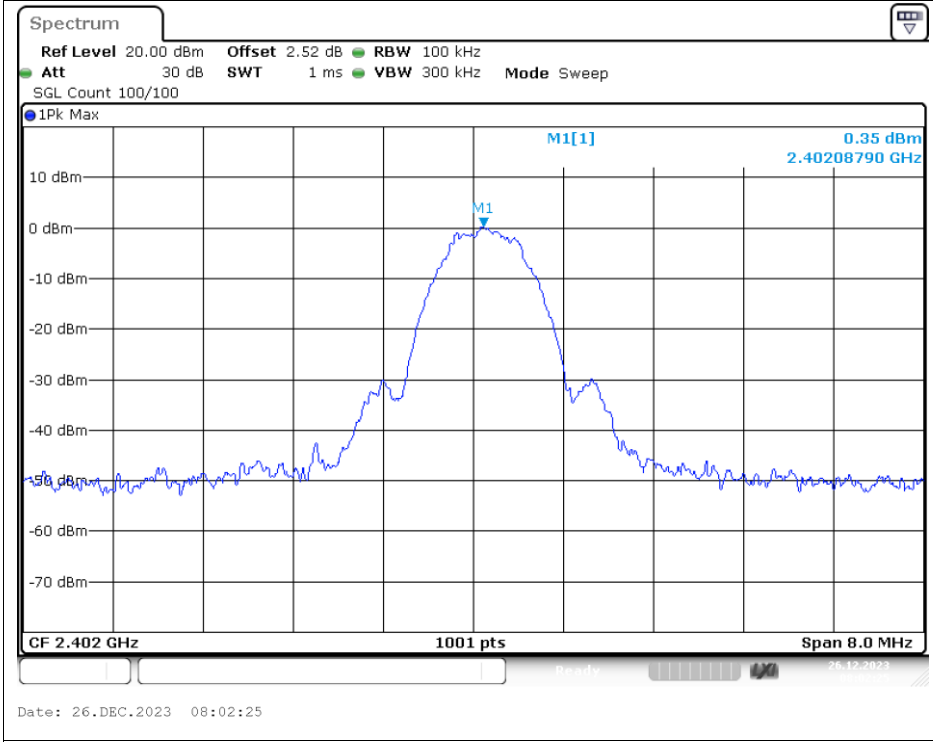
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Band Edge

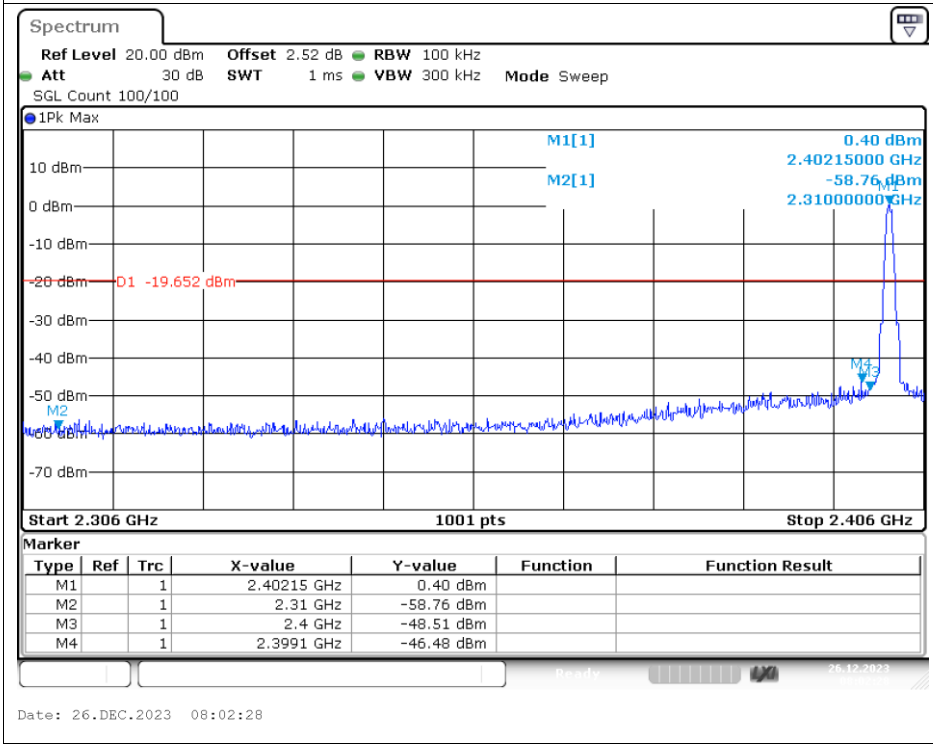
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-46.83	-20	Pass
NVNT	BLE 1M	2480	Ant1	-46.11	-20	Pass

Test Graphs

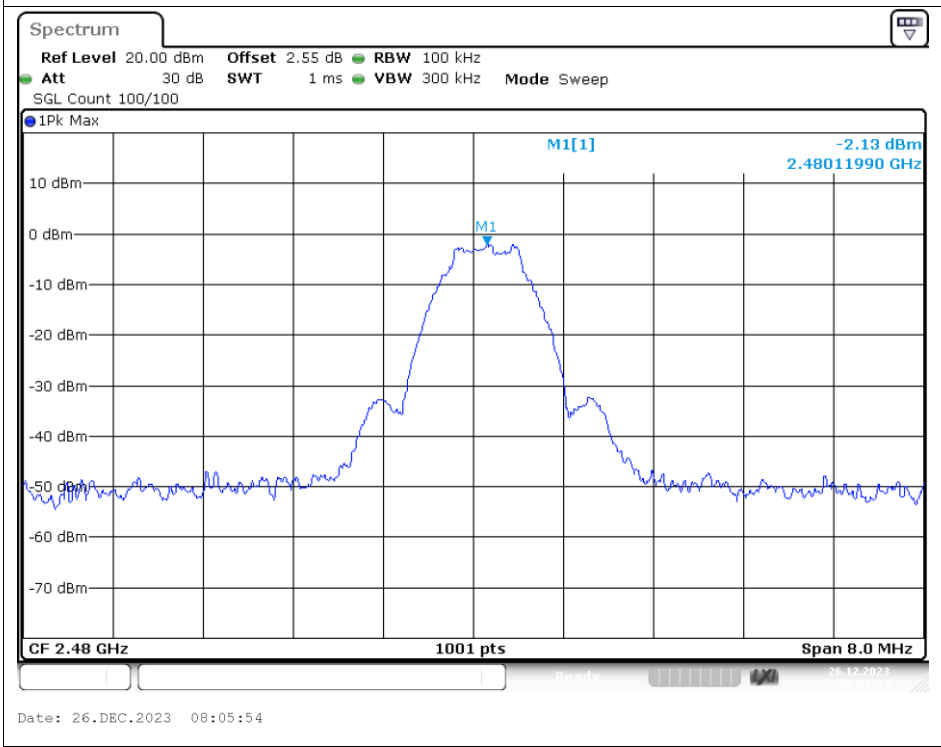
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



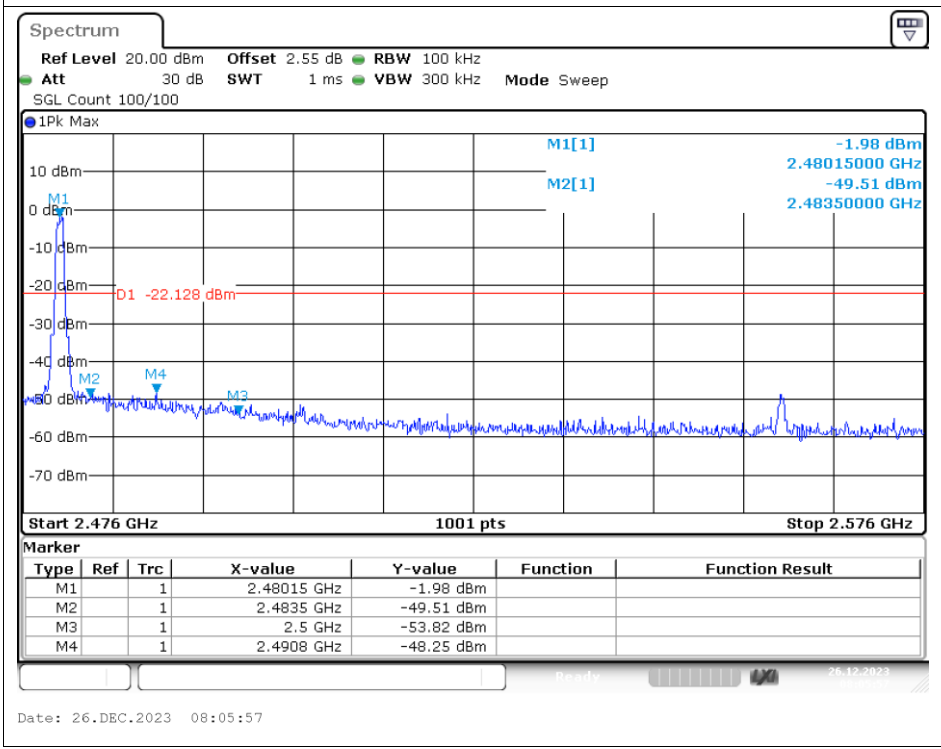
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

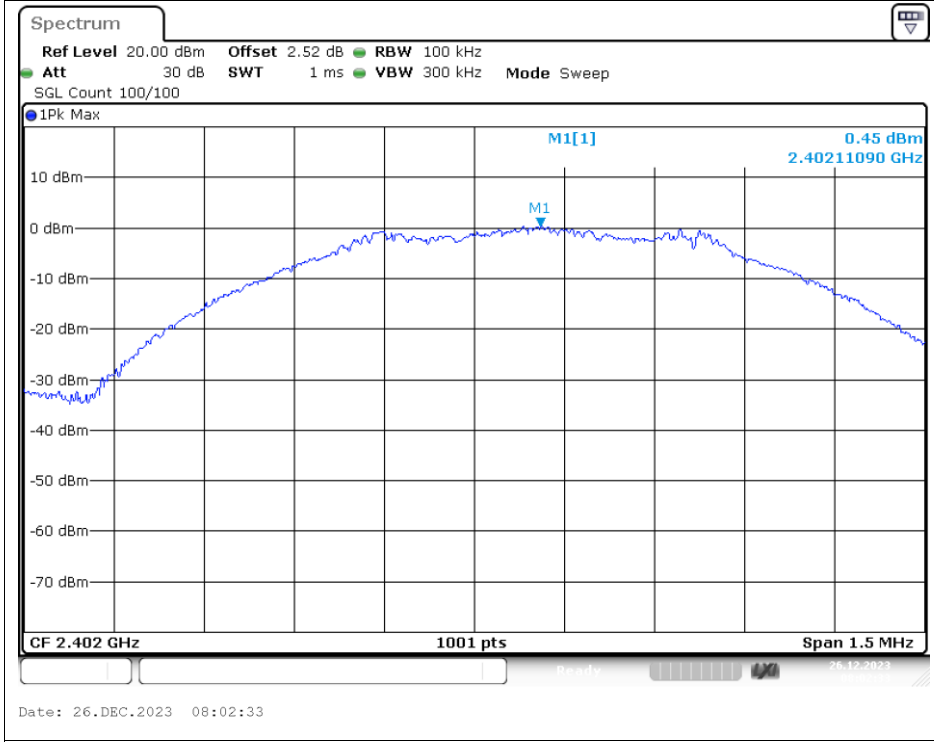


Conducted RF Spurious Emission

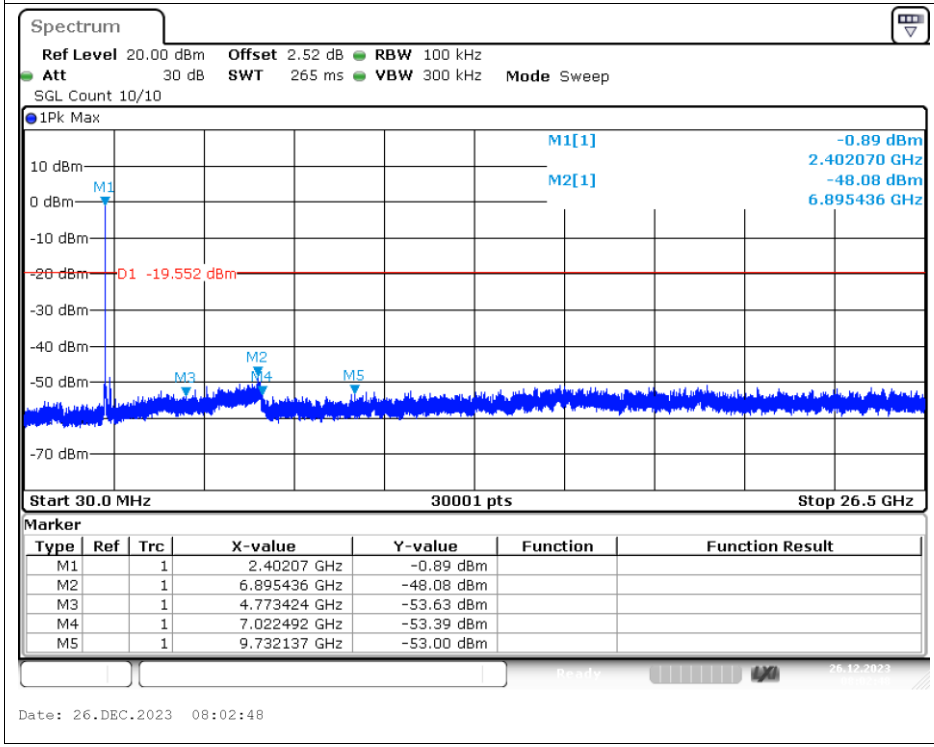
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-48.52	-20	Pass
NVNT	BLE 1M	2440	Ant1	-48.1	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.12	-20	Pass

Test Graphs

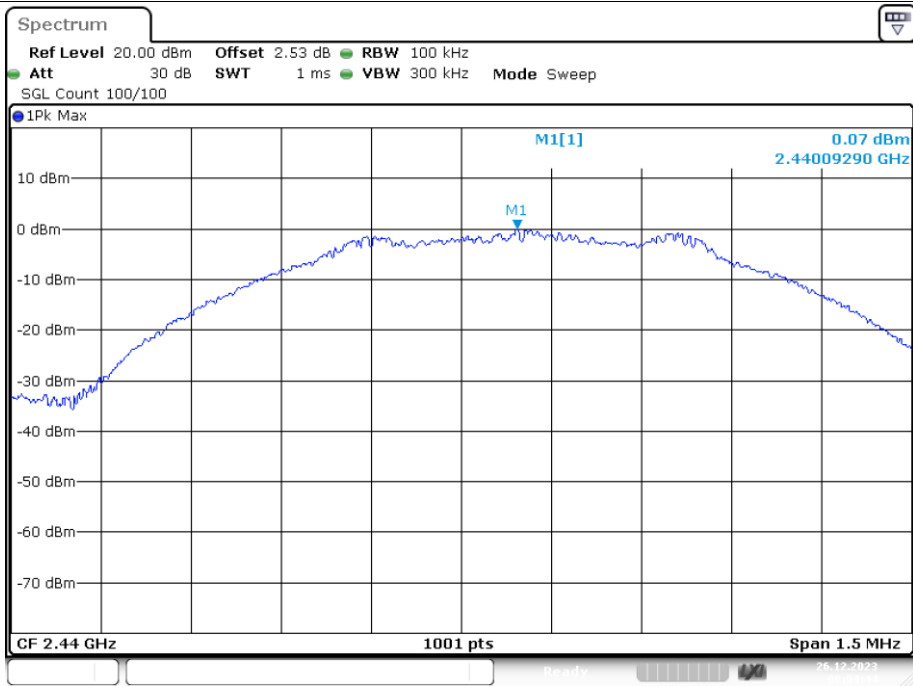
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



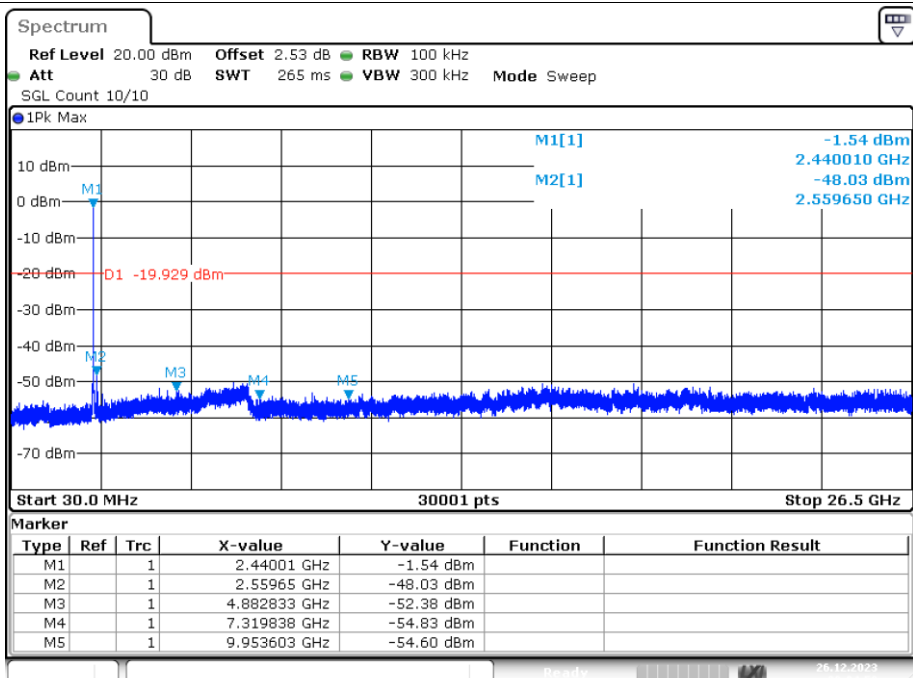
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



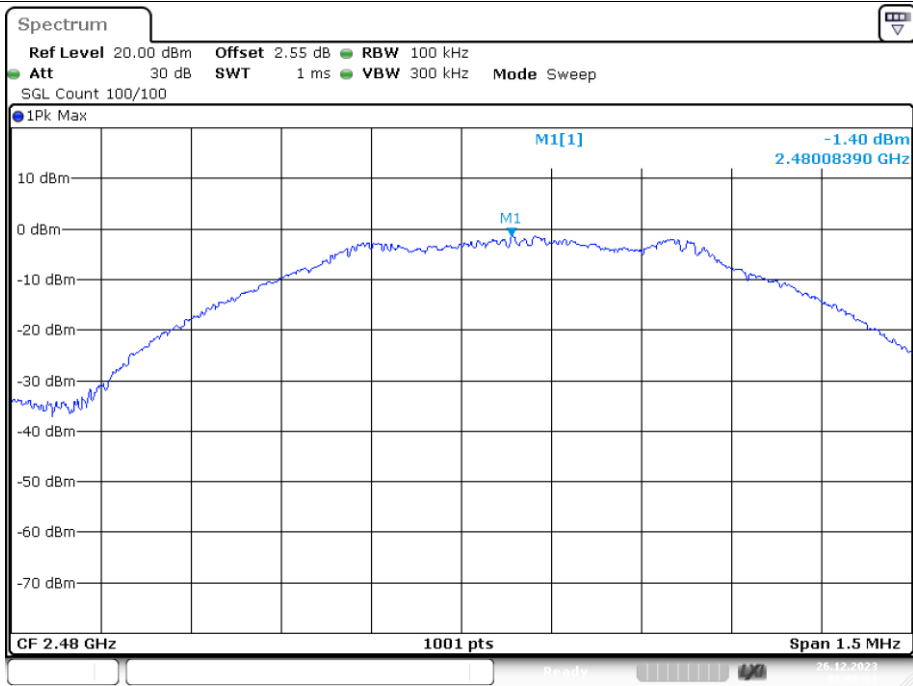
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission

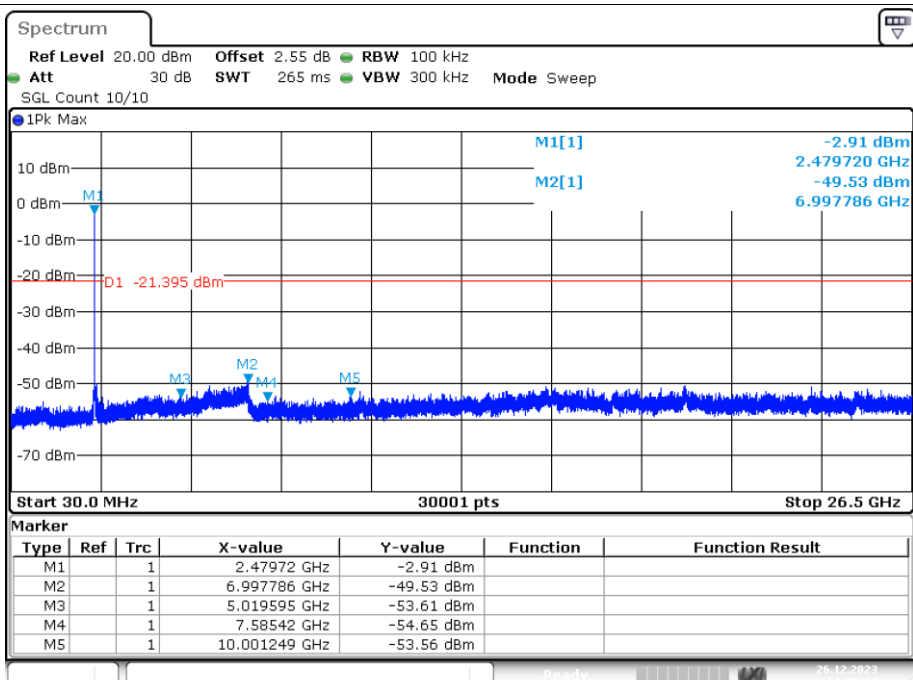


Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Date: 26.DEC.2023 08:06:01

Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



Date: 26.DEC.2023 08:06:17