

Appendix: Bluetooth LE

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 7

-6dB Bandwidth 11

Occupied Channel Bandwidth 15

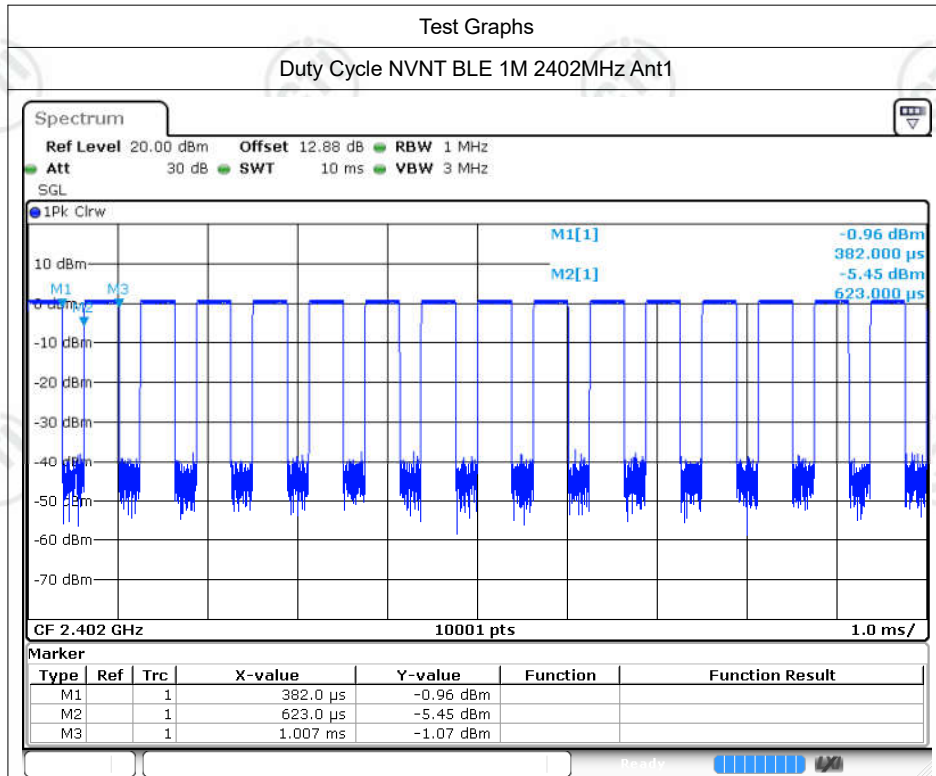
Maximum Power Spectral Density Level 19

Band Edge 23

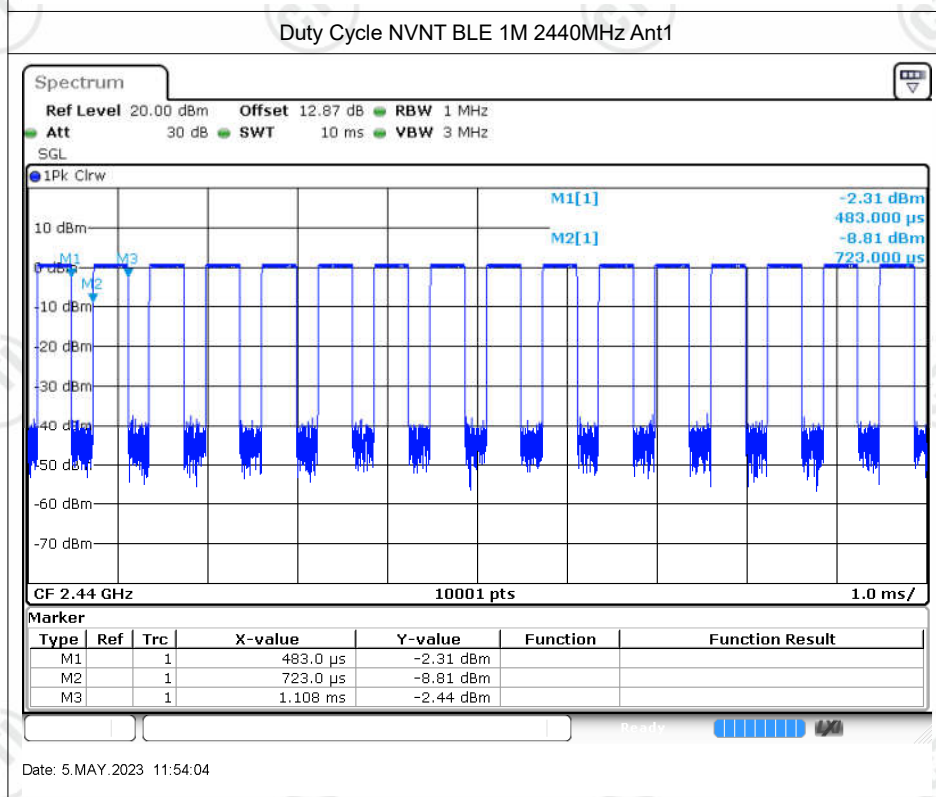
Conducted RF Spurious Emission 28

Duty Cycle

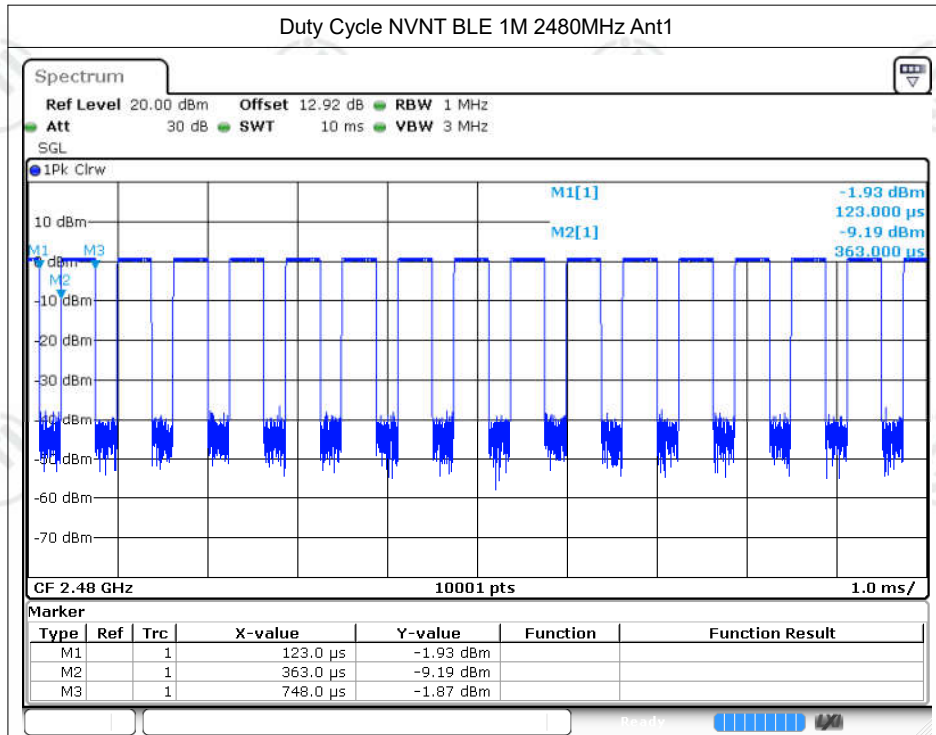
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	61.44	2.12	2.6
NVNT	BLE 1M	2440	Ant1	61.6	2.1	2.6
NVNT	BLE 1M	2480	Ant1	61.6	2.1	2.6
NVNT	BLE 2M	2402	Ant1	38.72	4.12	4.13
NVNT	BLE 2M	2440	Ant1	38.72	4.12	4.13
NVNT	BLE 2M	2480	Ant1	38.88	4.1	4.12



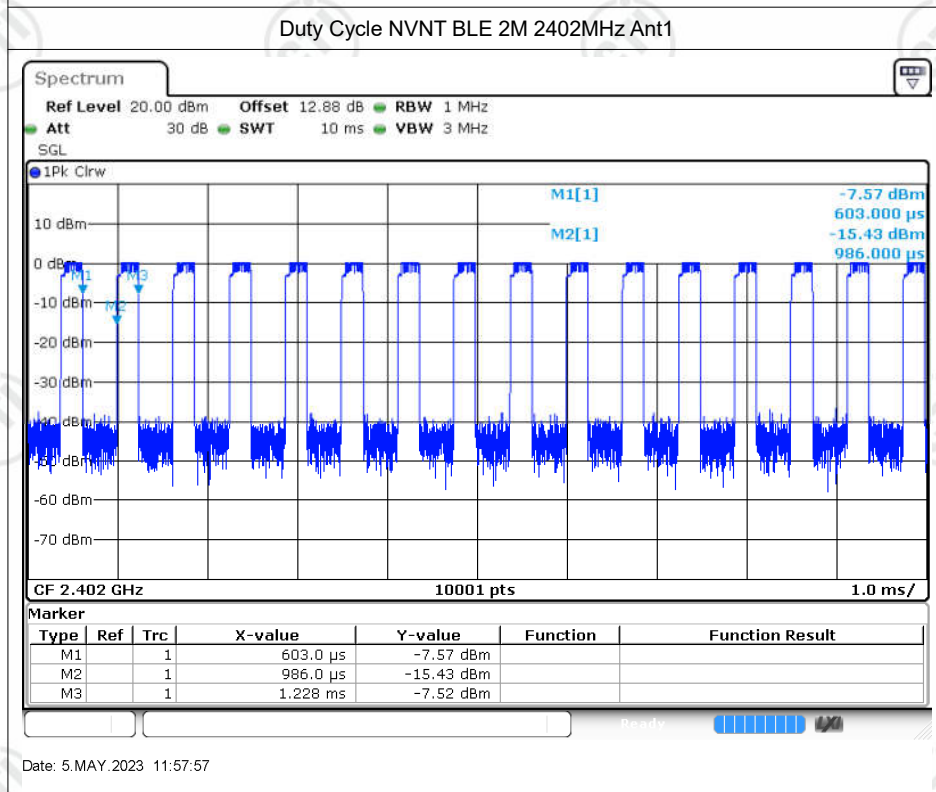
Date: 5.MAY.2023 11:51:42



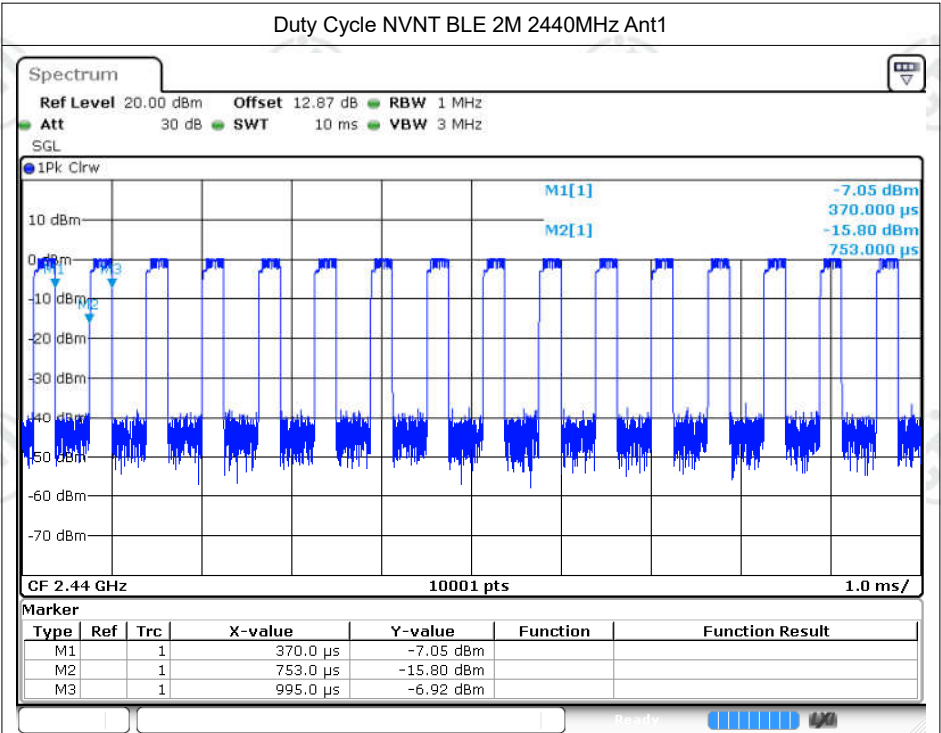
Date: 5.MAY.2023 11:54:04



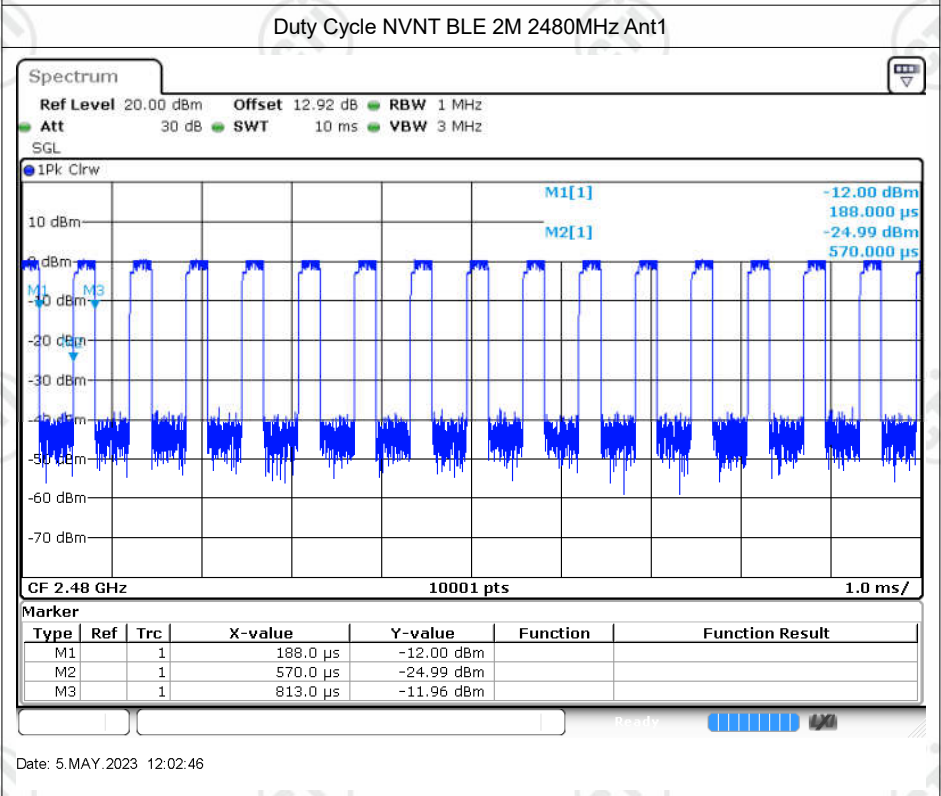
Date: 5.MAY.2023 11:56:01



Date: 5.MAY.2023 11:57:57



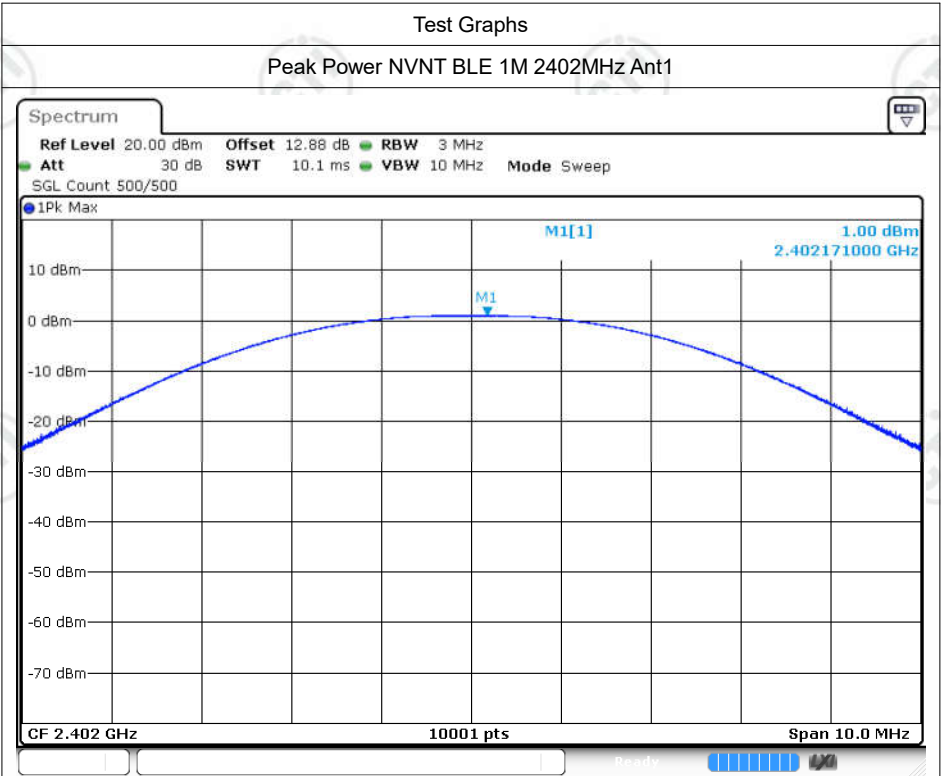
Date: 5.MAY.2023 12:00:45



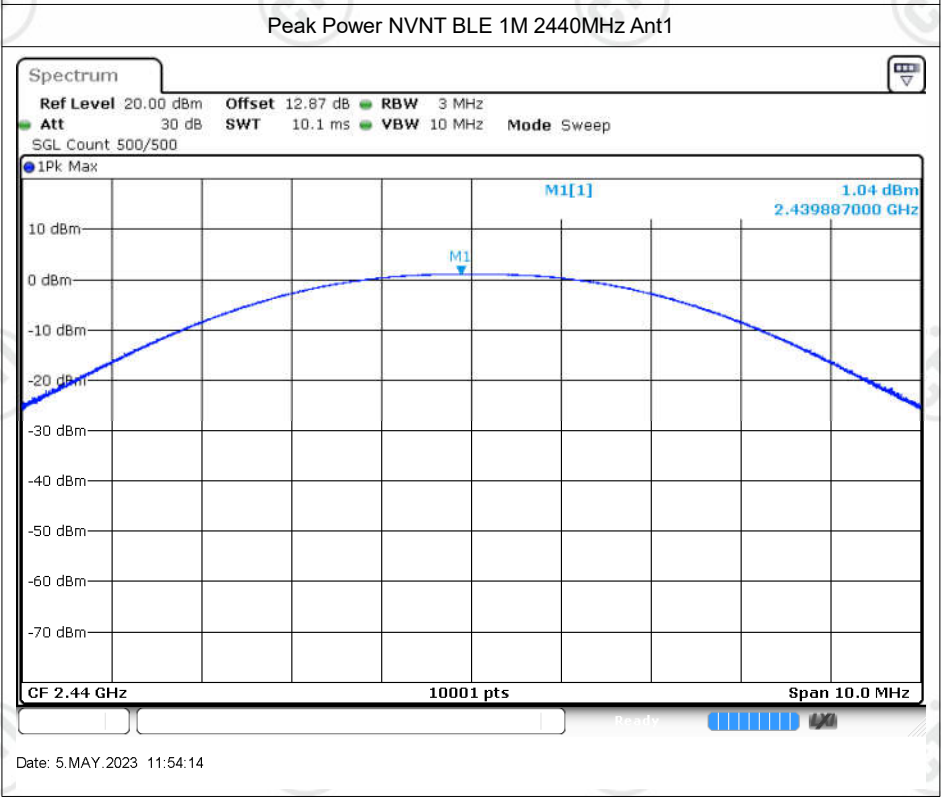
Date: 5.MAY.2023 12:02:46

Maximum Peak Conducted Output Power

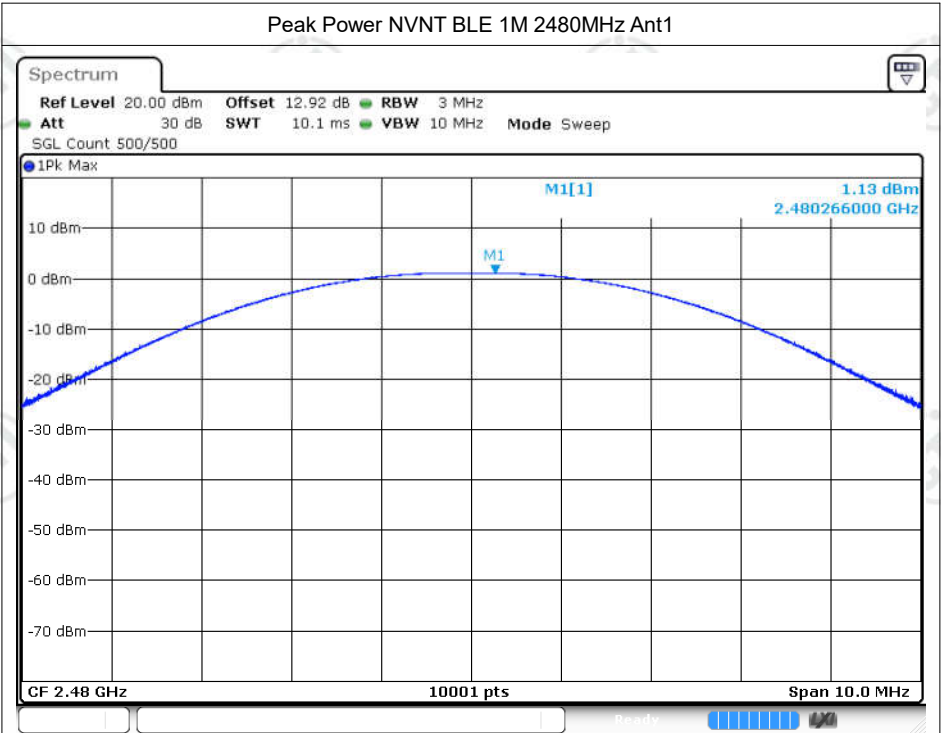
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1	30	Pass
NVNT	BLE 1M	2440	Ant1	1.04	30	Pass
NVNT	BLE 1M	2480	Ant1	1.13	30	Pass
NVNT	BLE 2M	2402	Ant1	0.97	30	Pass
NVNT	BLE 2M	2440	Ant1	1.05	30	Pass
NVNT	BLE 2M	2480	Ant1	1.09	30	Pass



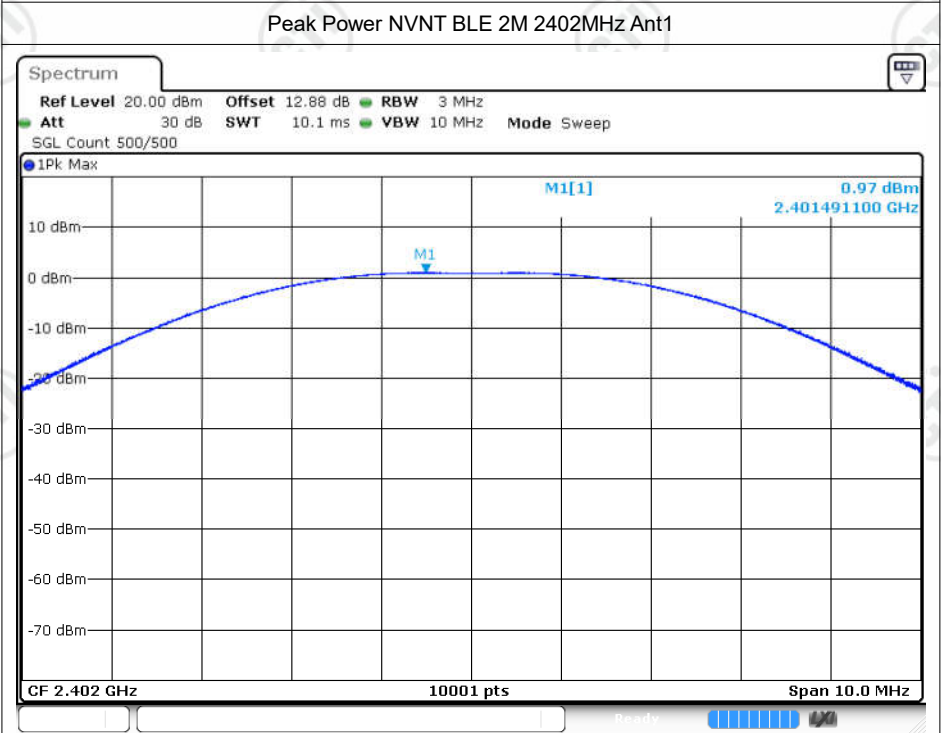
Date: 5.MAY.2023 11:51:52



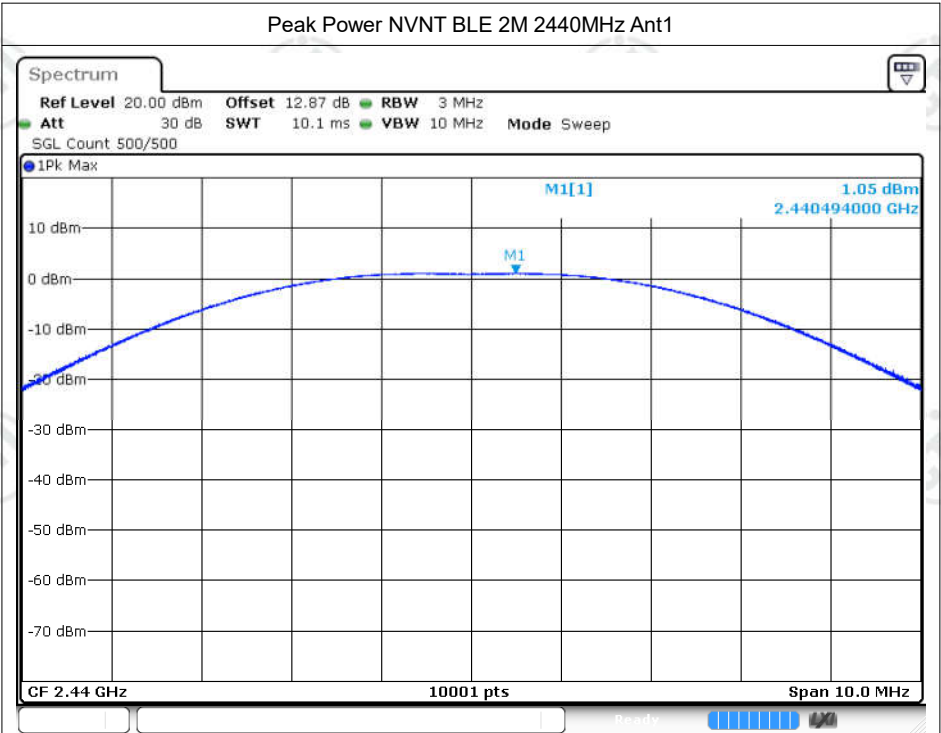
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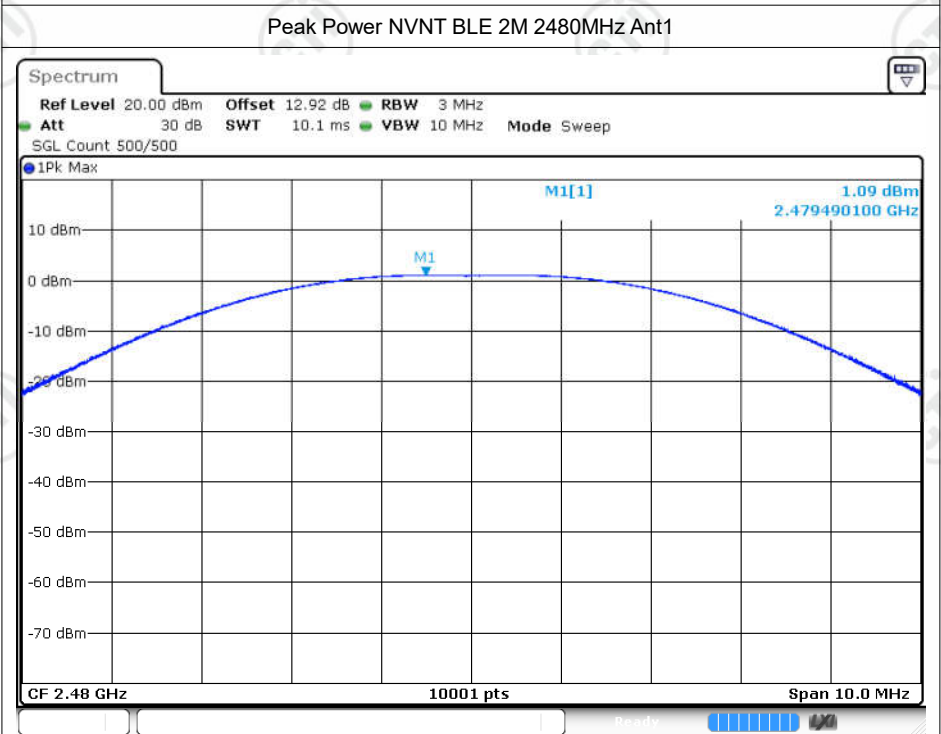
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Date: 5.MAY.2023 11:58:07



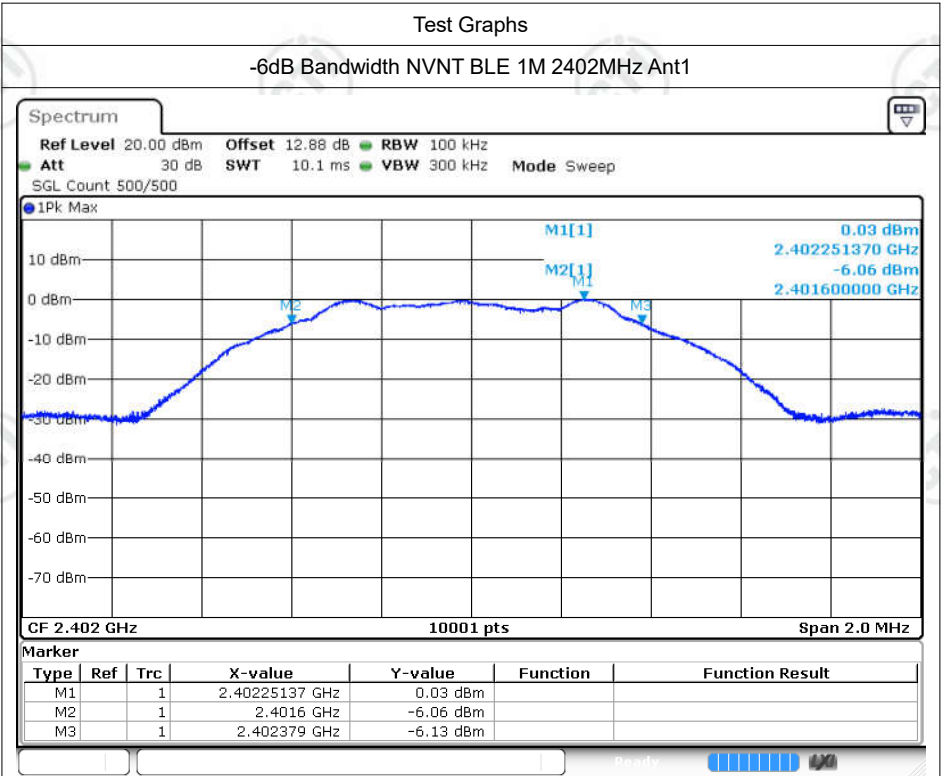
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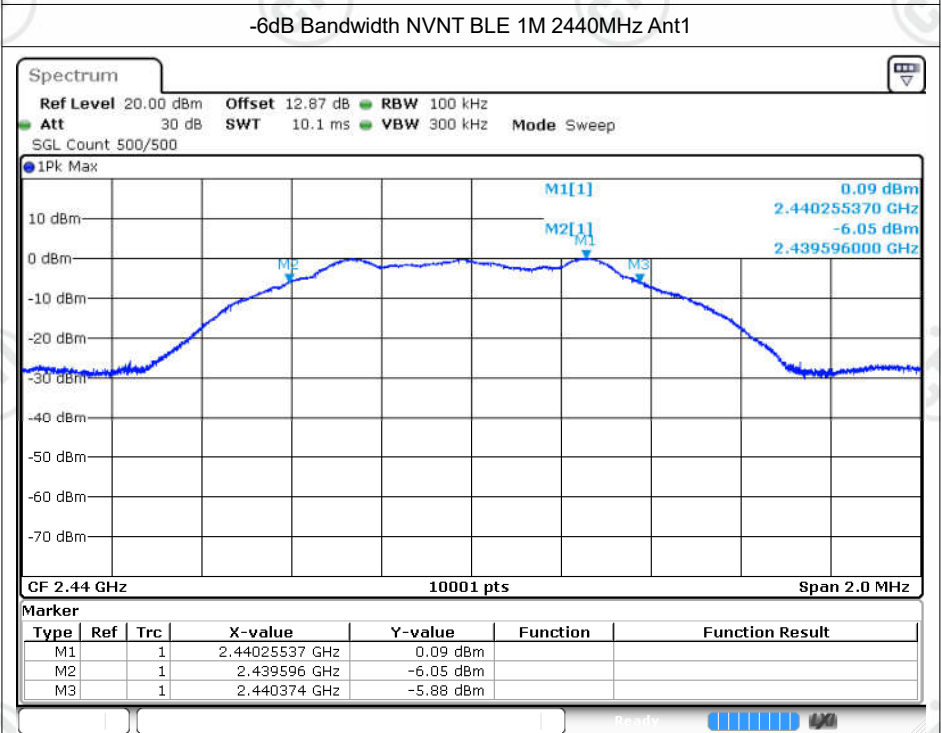
Date: 5.MAY.2023 12:02:56

-6dB Bandwidth

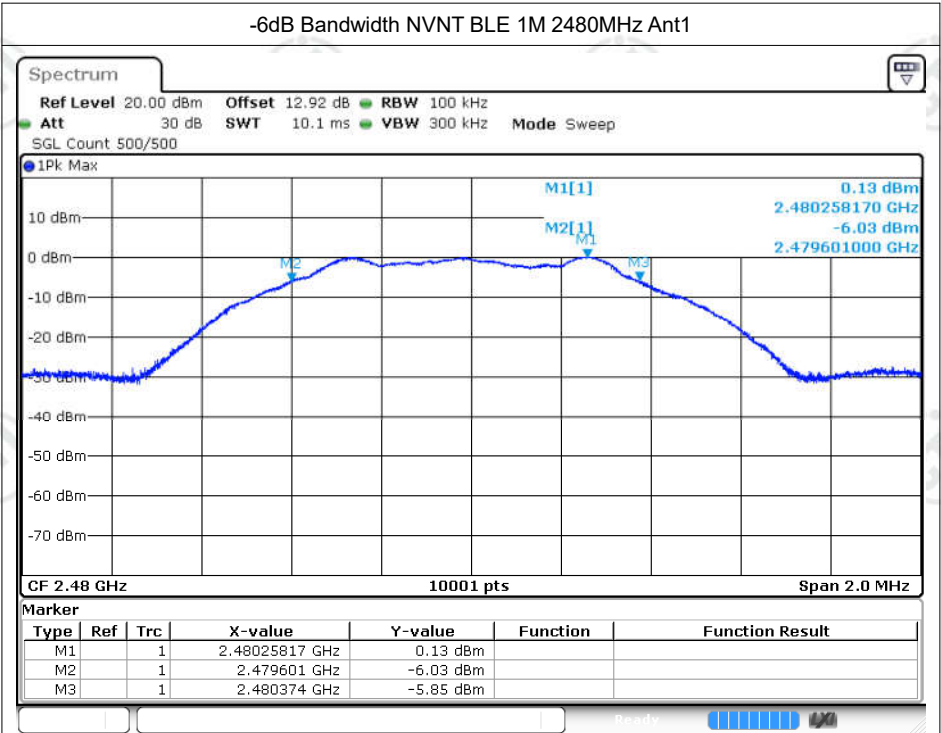
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.779	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.778	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.773	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.222	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.232	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.212	0.5	Pass



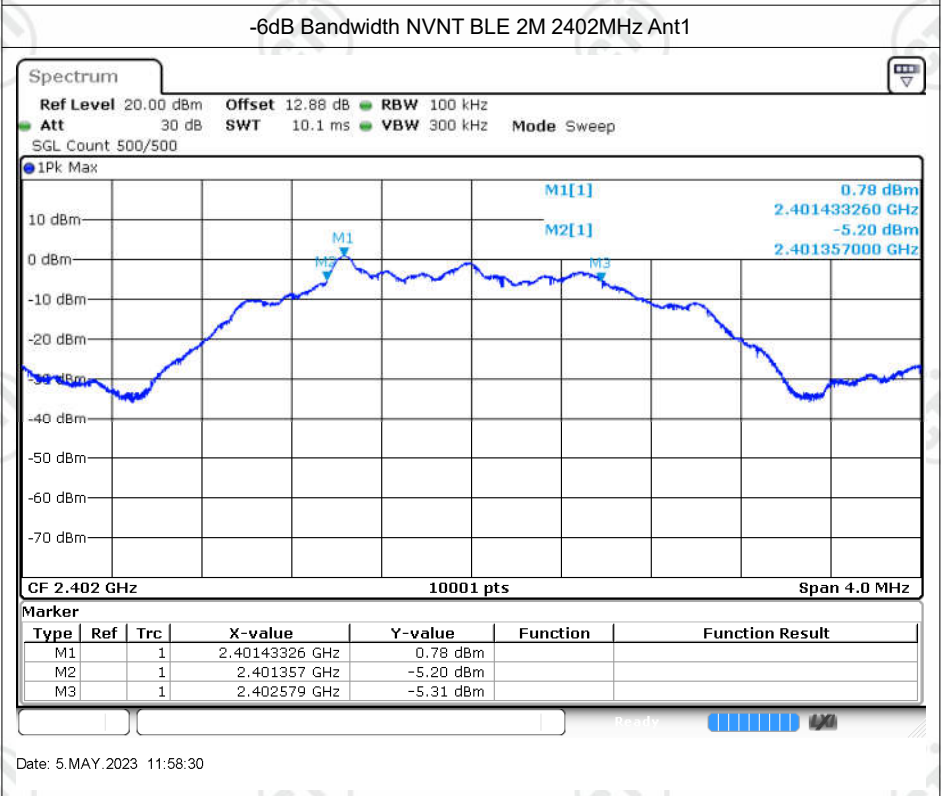
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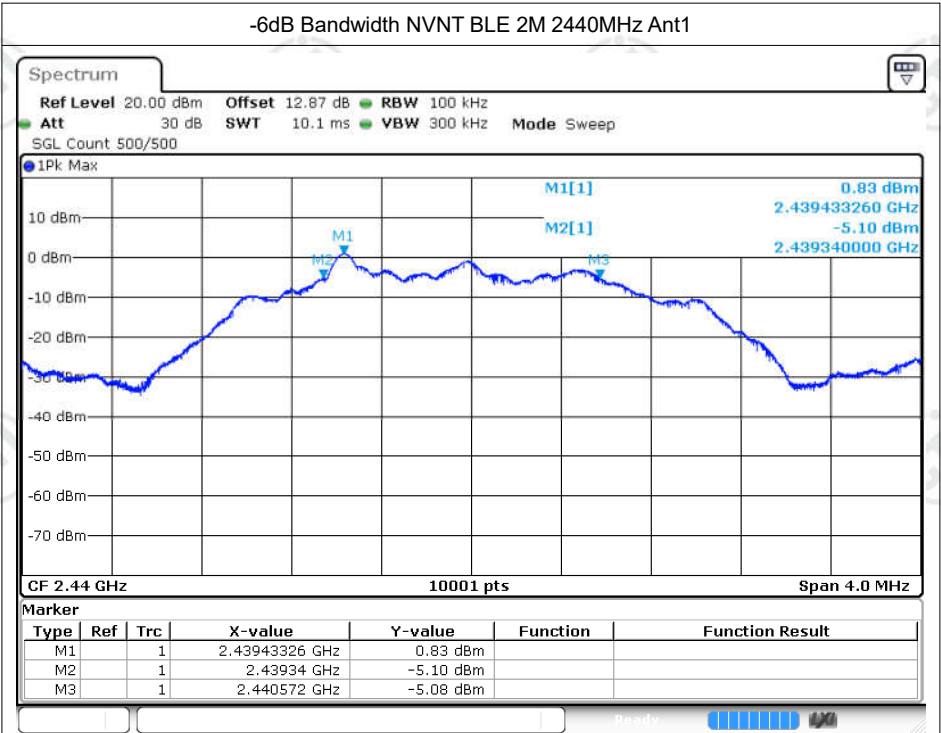
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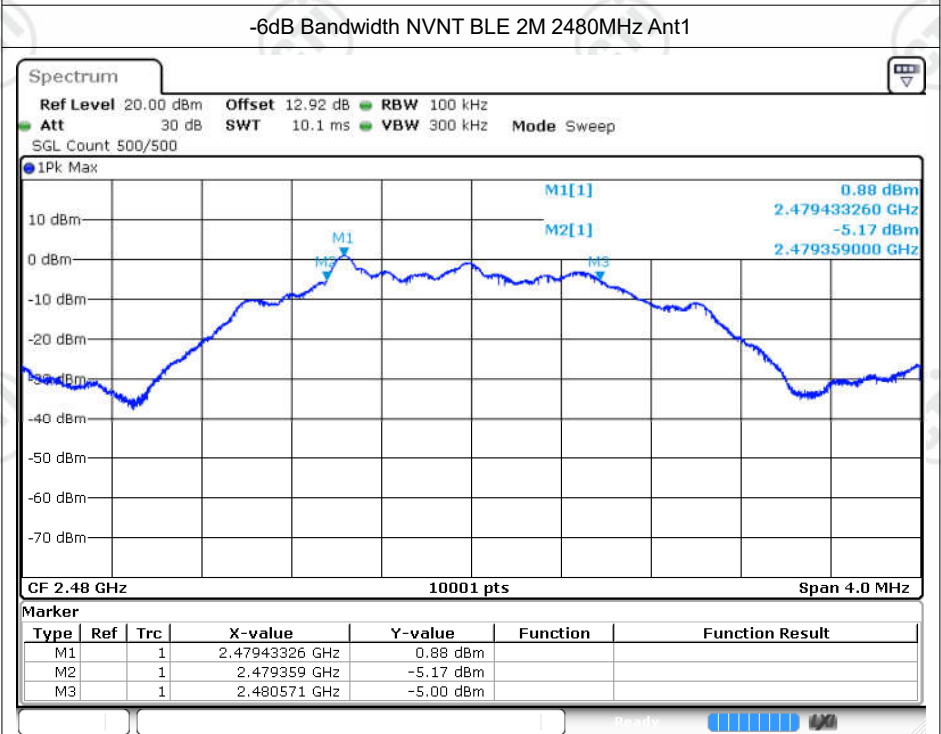
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Date: 5.MAY.2023 11:58:30



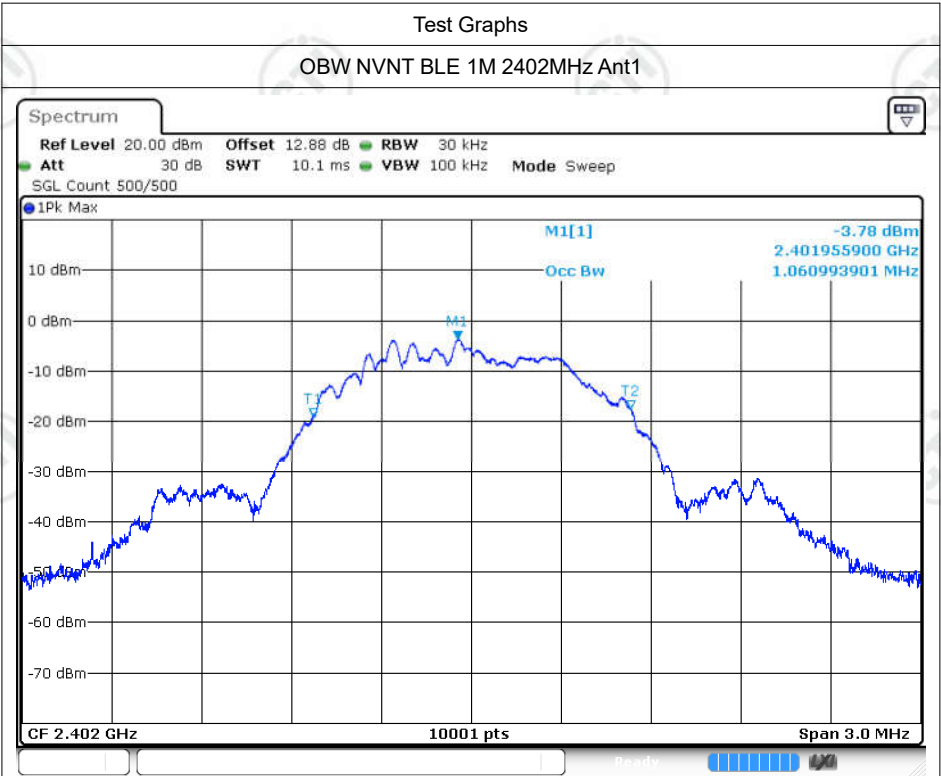
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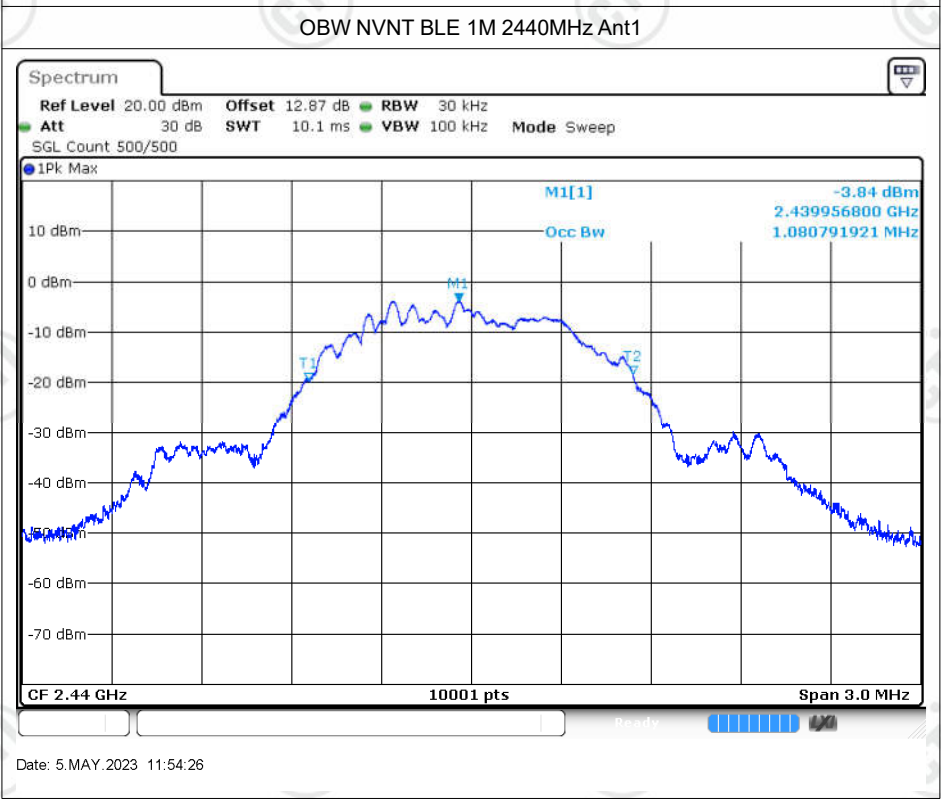
Date: 5.MAY.2023 12:03:19

Occupied Channel Bandwidth

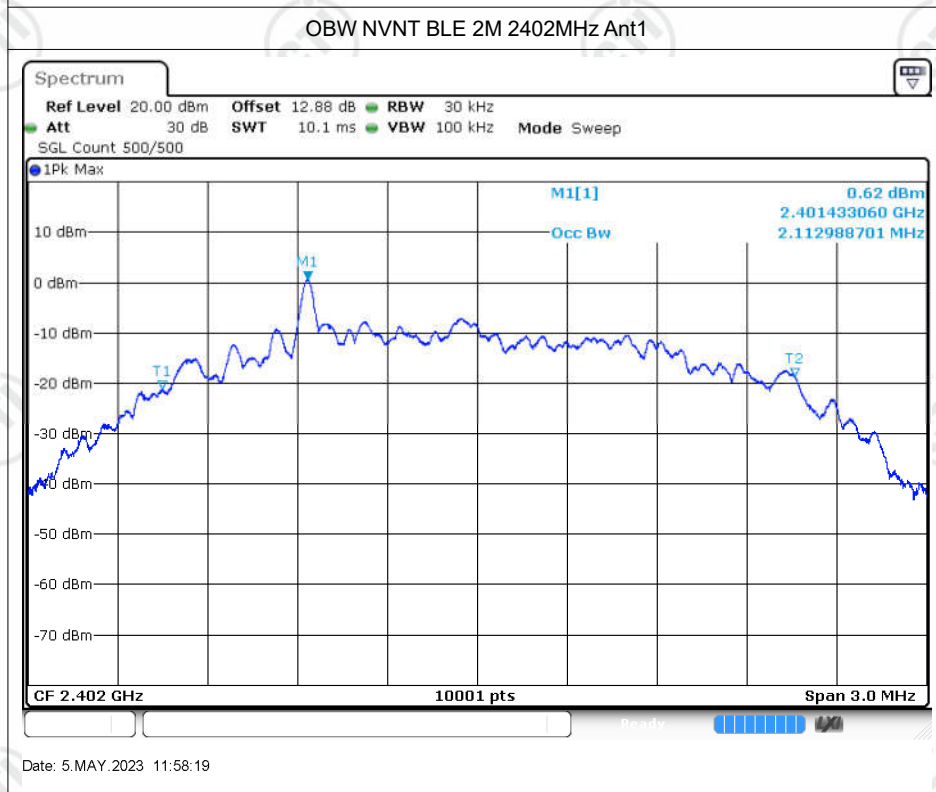
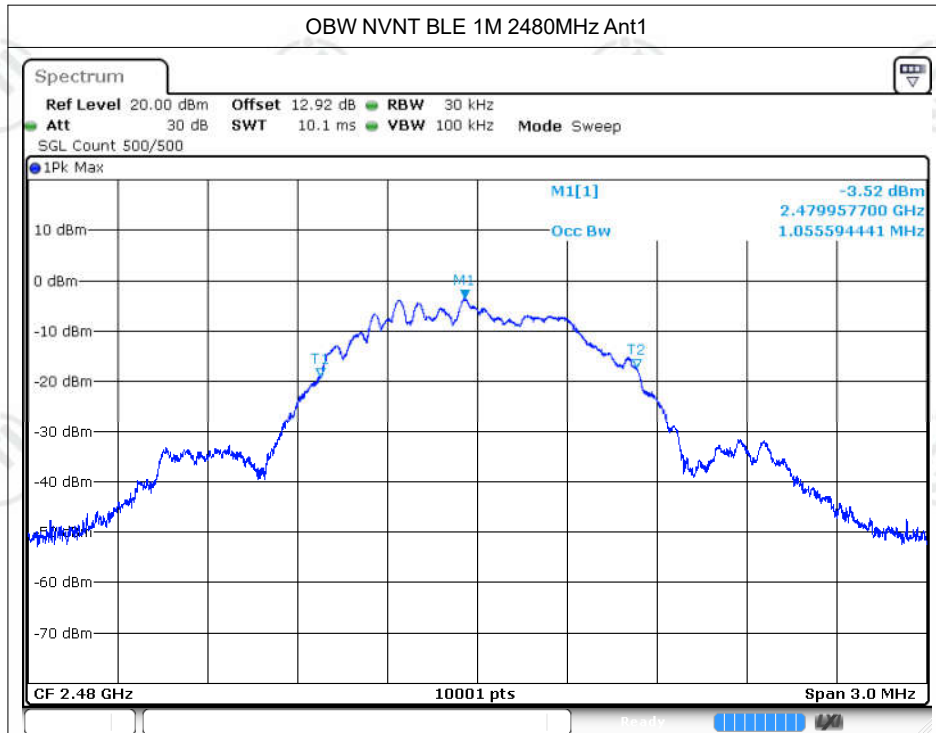
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.061
NVNT	BLE 1M	2440	Ant1	1.081
NVNT	BLE 1M	2480	Ant1	1.056
NVNT	BLE 2M	2402	Ant1	2.113
NVNT	BLE 2M	2440	Ant1	2.137
NVNT	BLE 2M	2480	Ant1	2.103

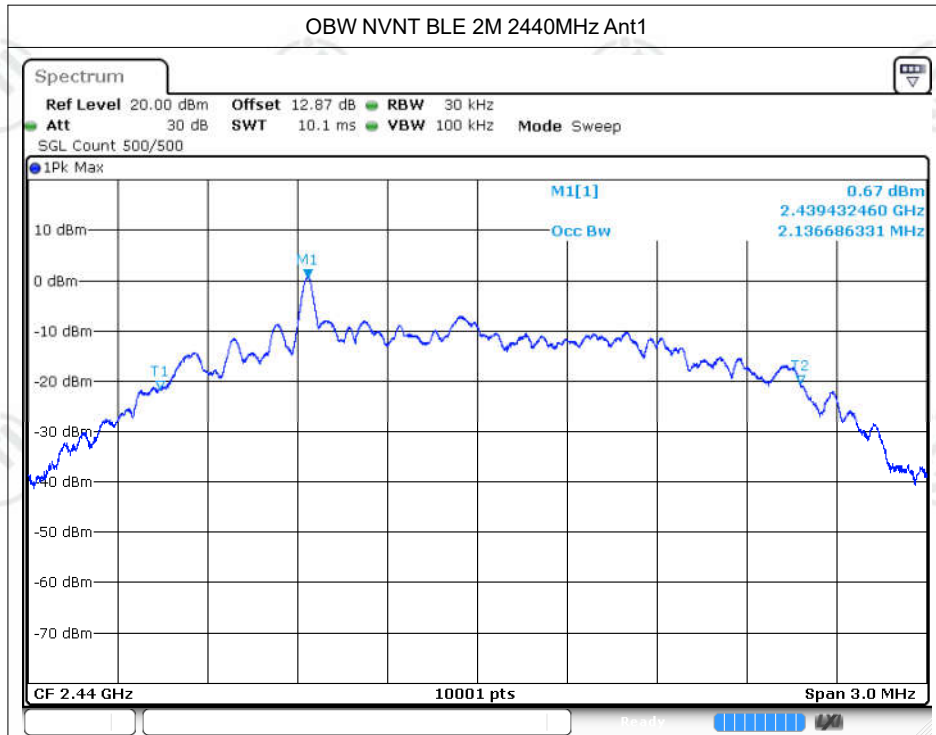


Date: 5.MAY.2023 11:52:04

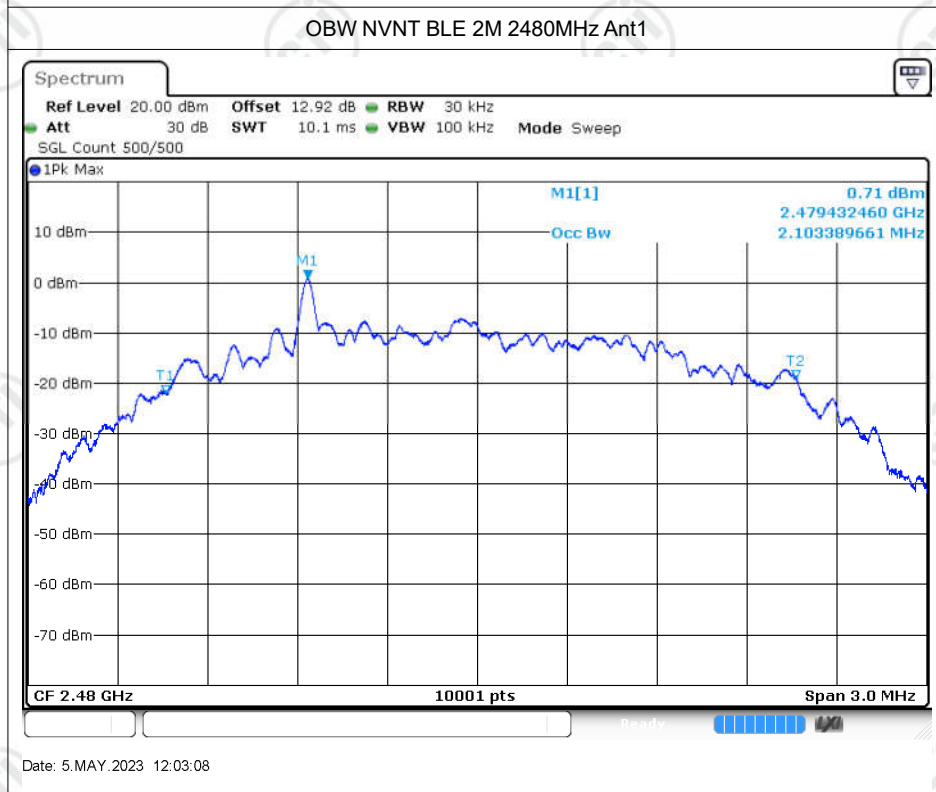


Date: 5.MAY.2023 11:54:26





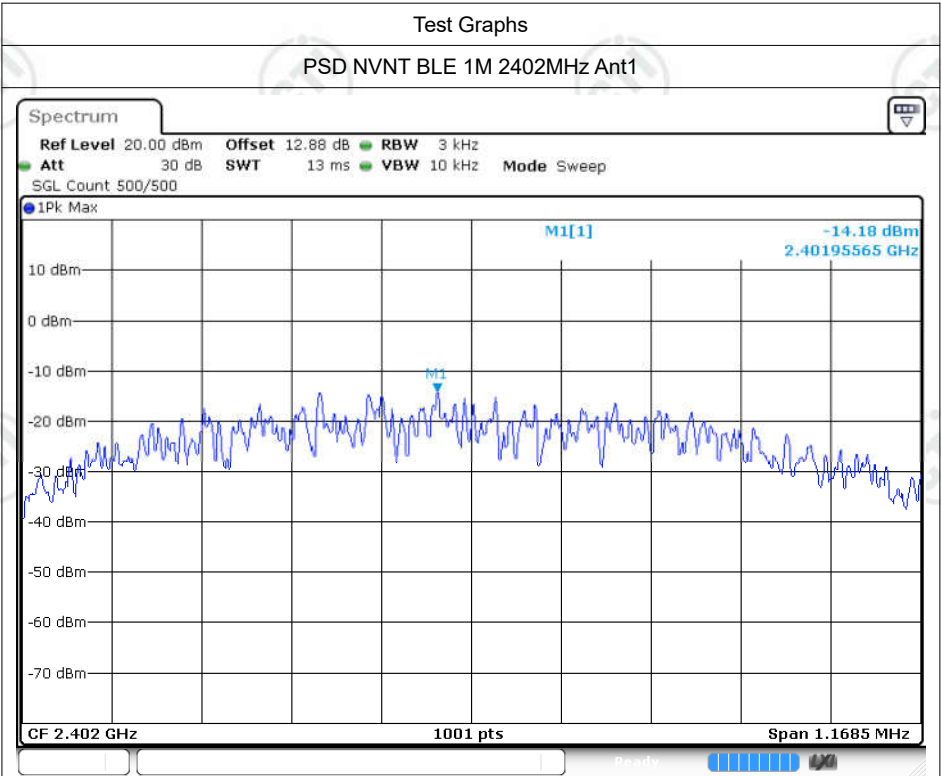
Date: 5.MAY.2023 12:01:06



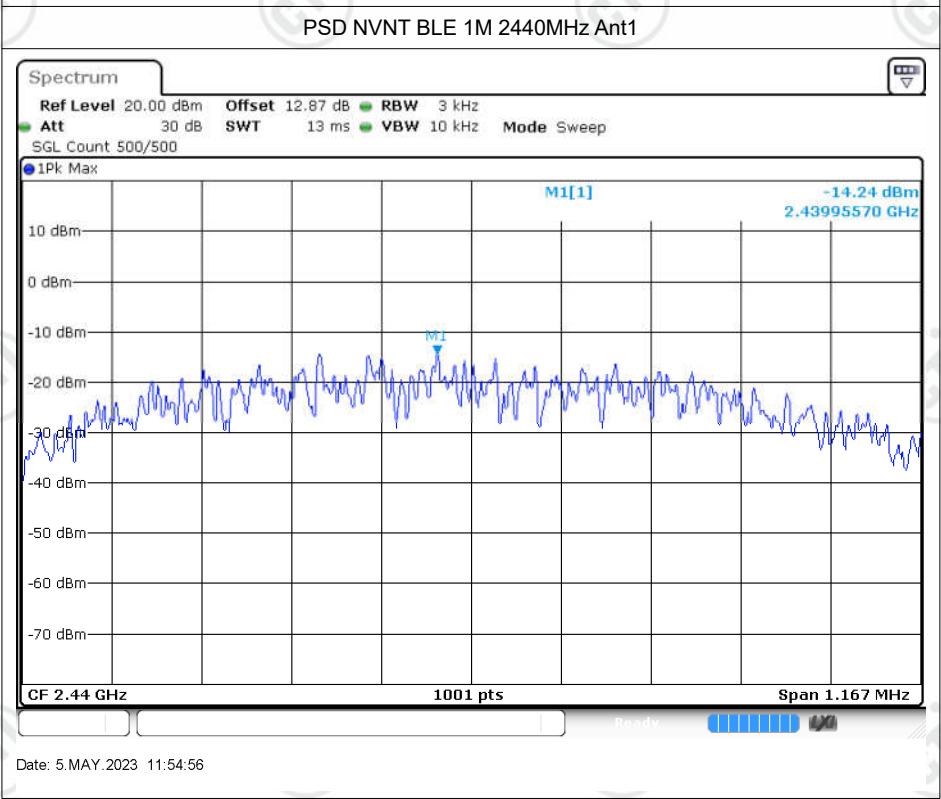
Date: 5.MAY.2023 12:03:08

Maximum Power Spectral Density Level

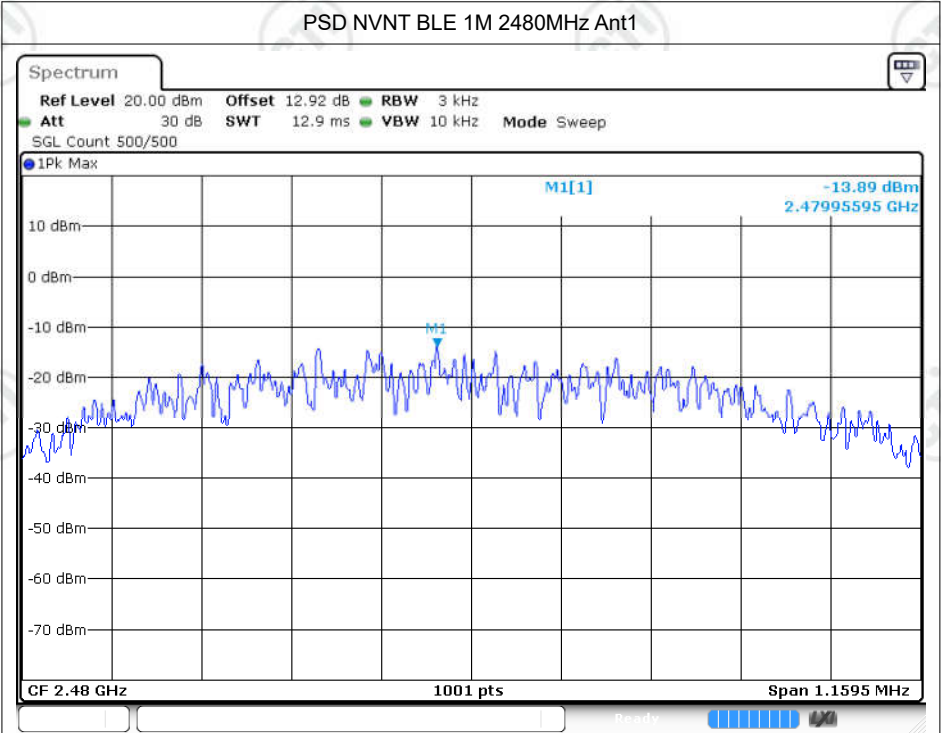
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-14.18	8	Pass
NVNT	BLE 1M	2440	Ant1	-14.24	8	Pass
NVNT	BLE 1M	2480	Ant1	-13.89	8	Pass
NVNT	BLE 2M	2402	Ant1	-12.83	8	Pass
NVNT	BLE 2M	2440	Ant1	-12.75	8	Pass
NVNT	BLE 2M	2480	Ant1	-12.64	8	Pass



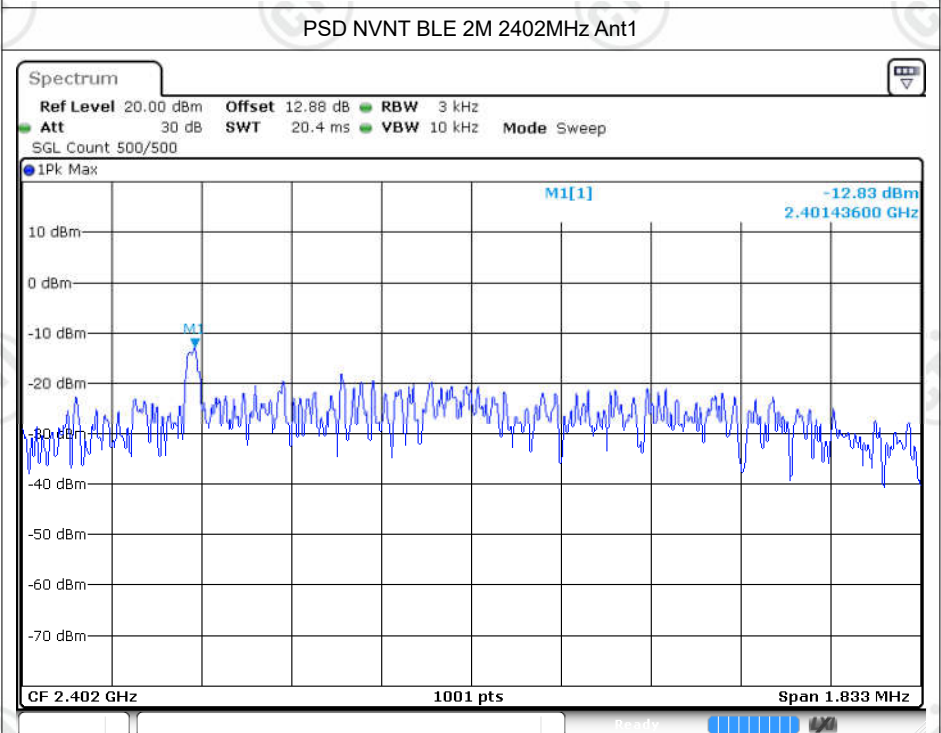
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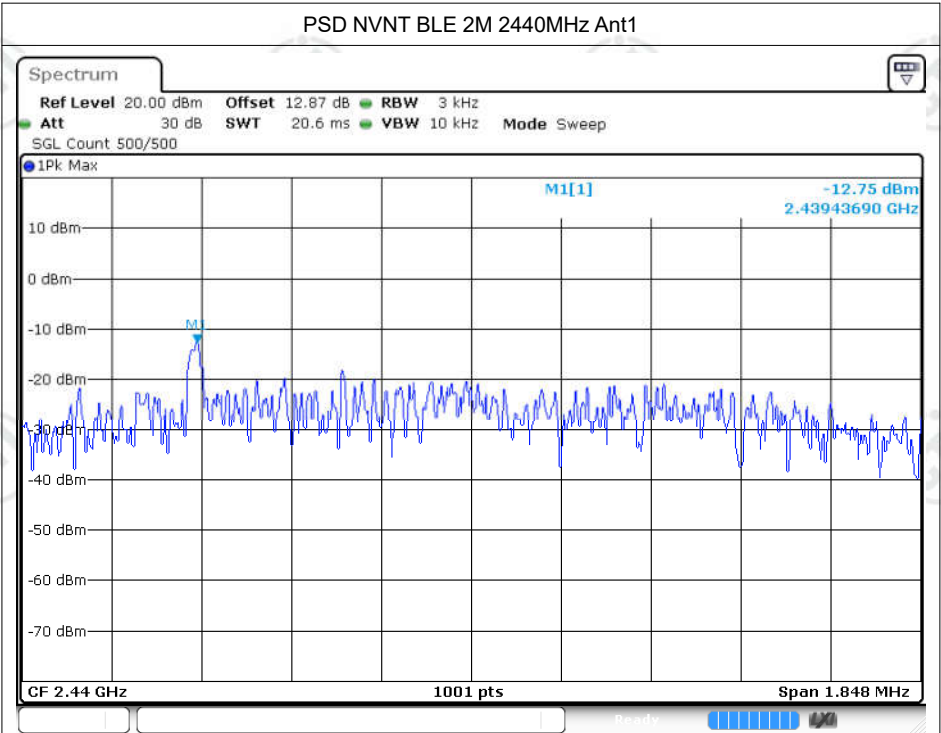
Date: 5.MAY.2023 11:54:56



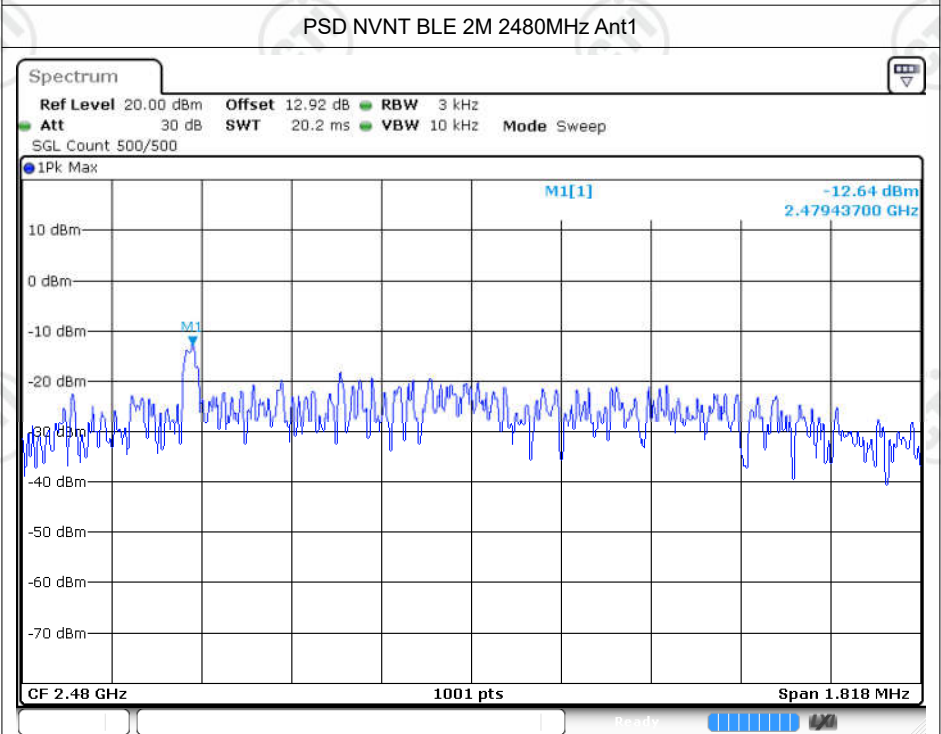
Date: 5.MAY.2023 11:56:53



Date: 5.MAY.2023 11:58:52



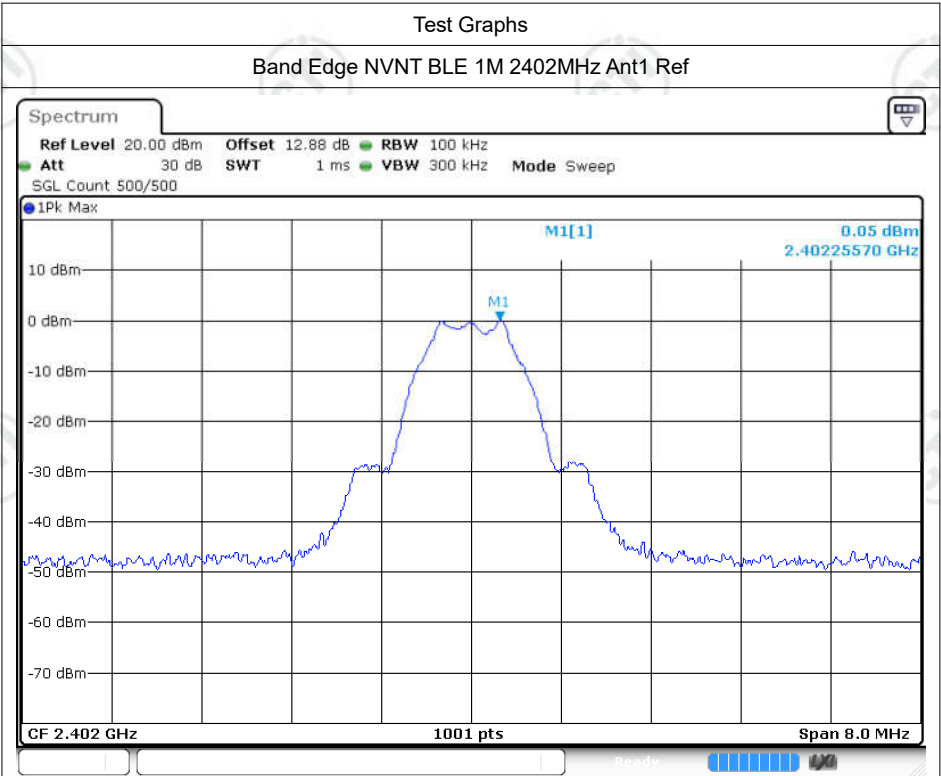
Date: 5.MAY.2023 12:01:40



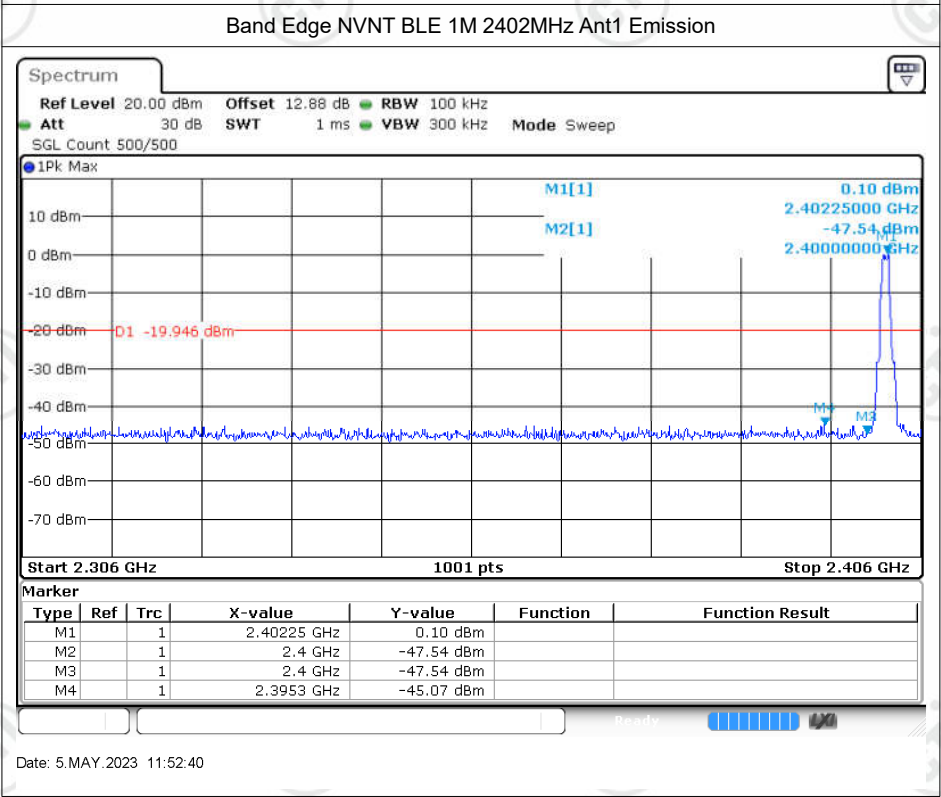
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Band Edge

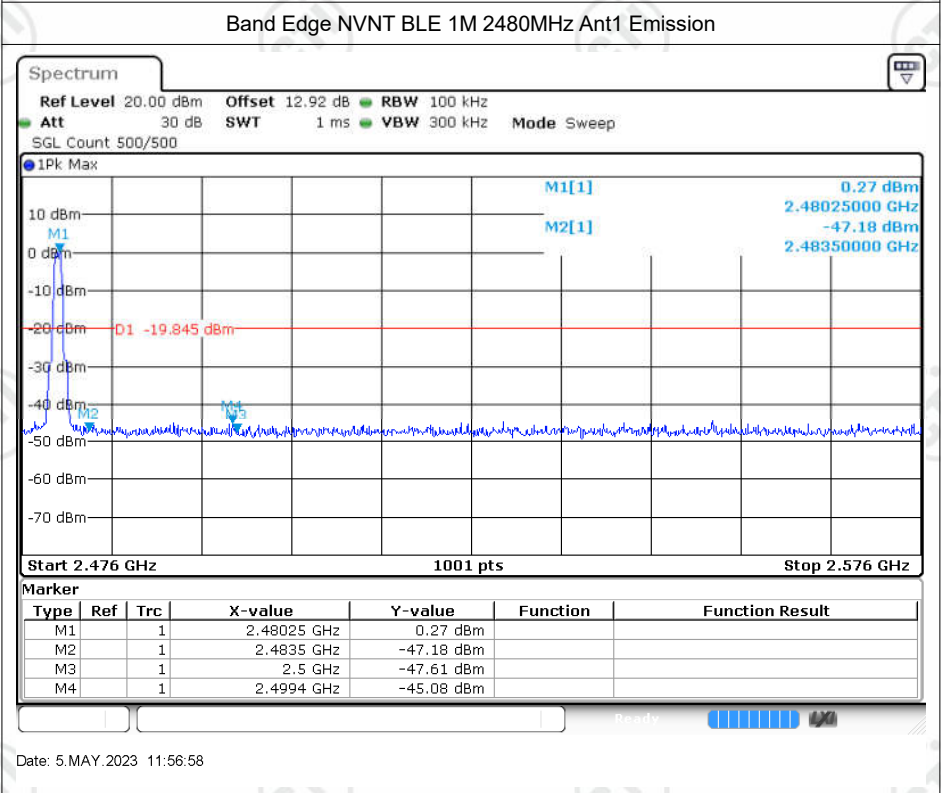
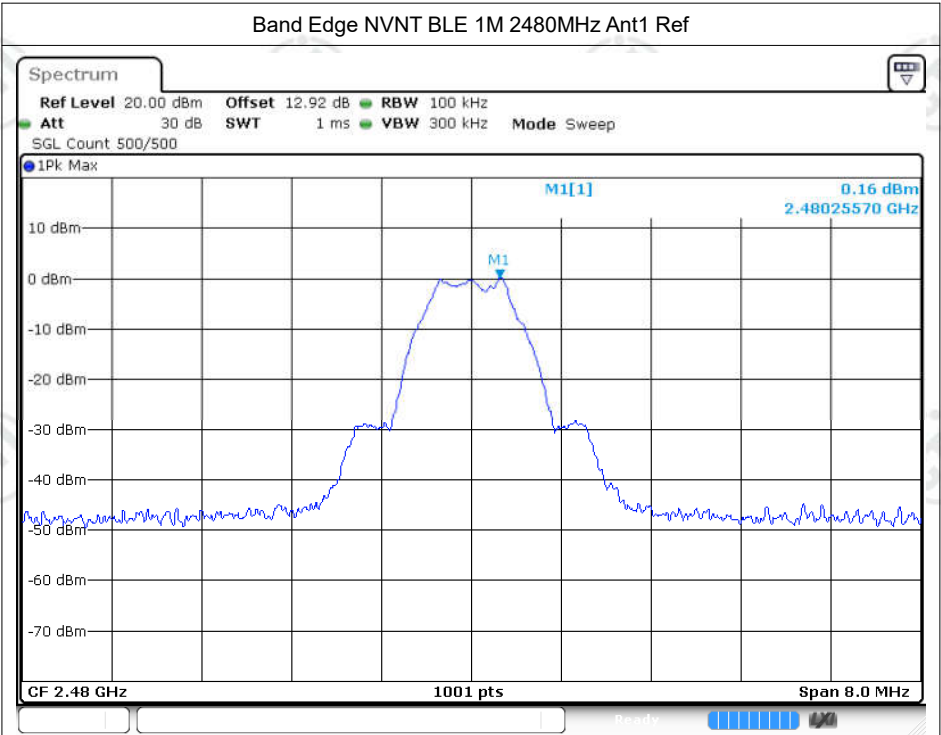
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-45.11	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.23	-20	Pass
NVNT	BLE 2M	2402	Ant1	-31.54	-20	Pass
NVNT	BLE 2M	2480	Ant1	-45.67	-20	Pass

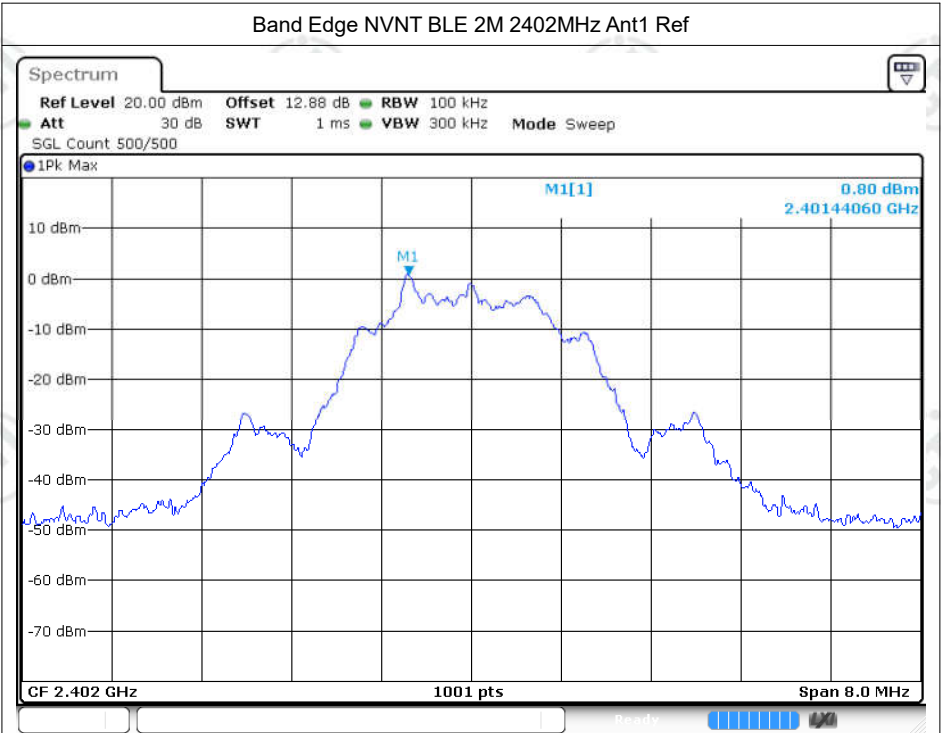


Date: 5.MAY.2023 11:52:37

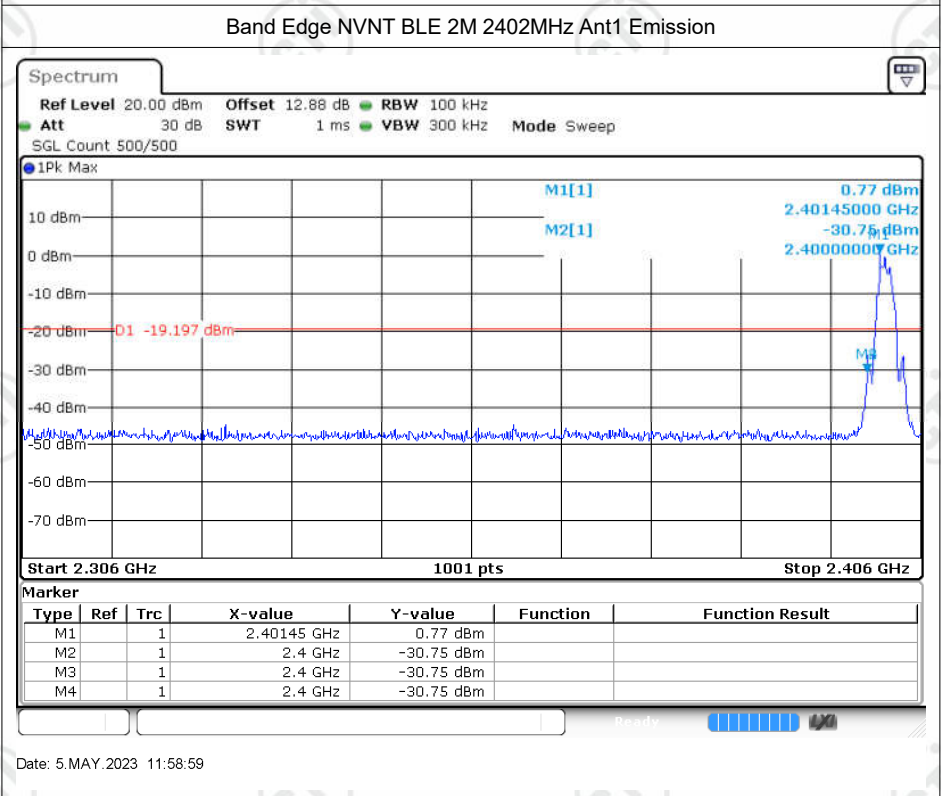


Date: 5.MAY.2023 11:52:40

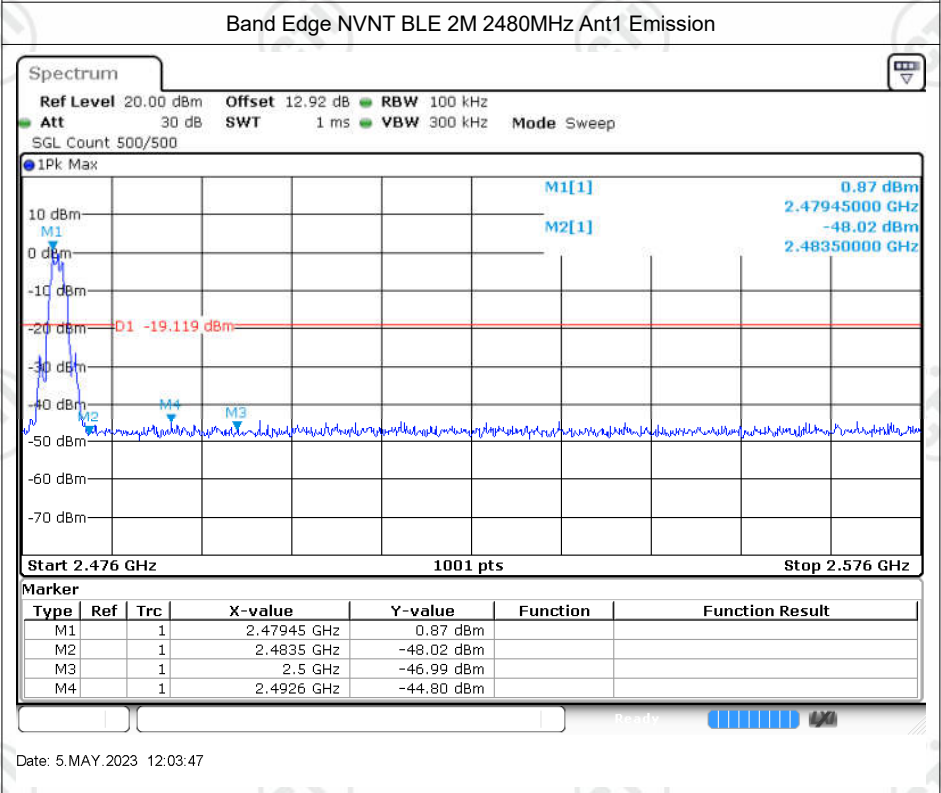
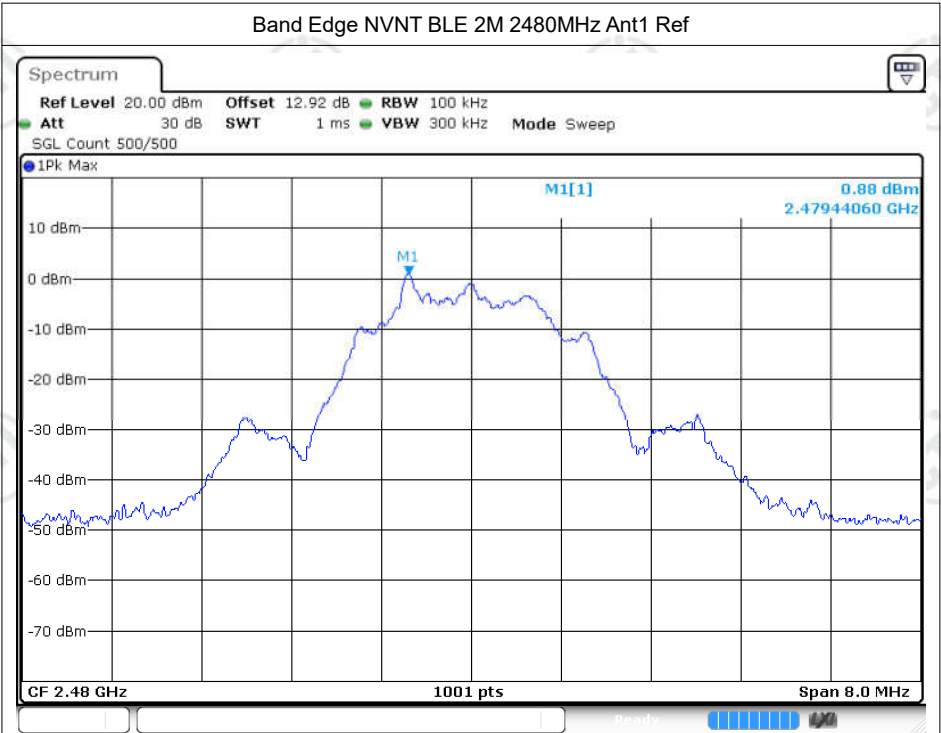




Date: 5.MAY.2023 11:58:56

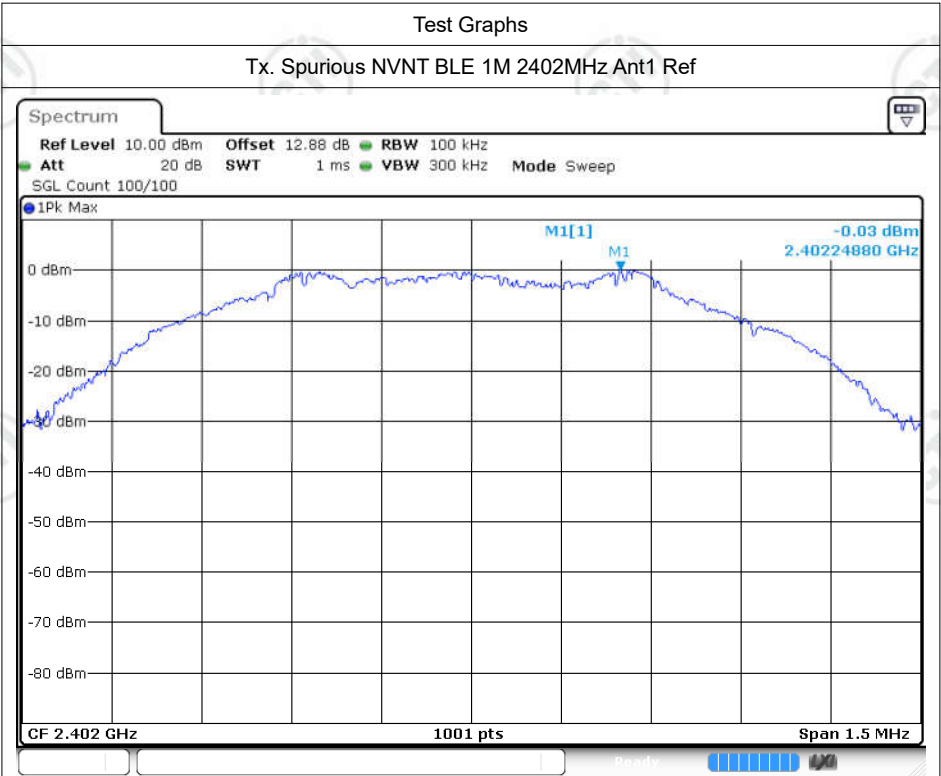


Date: 5.MAY.2023 11:58:59

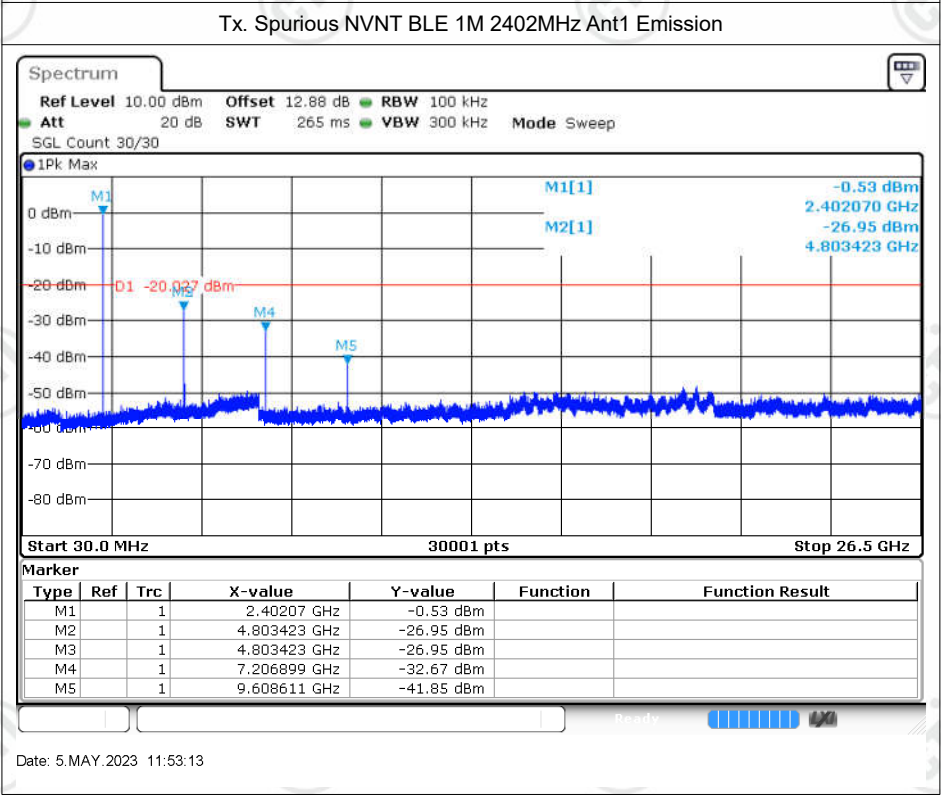


Conducted RF Spurious Emission

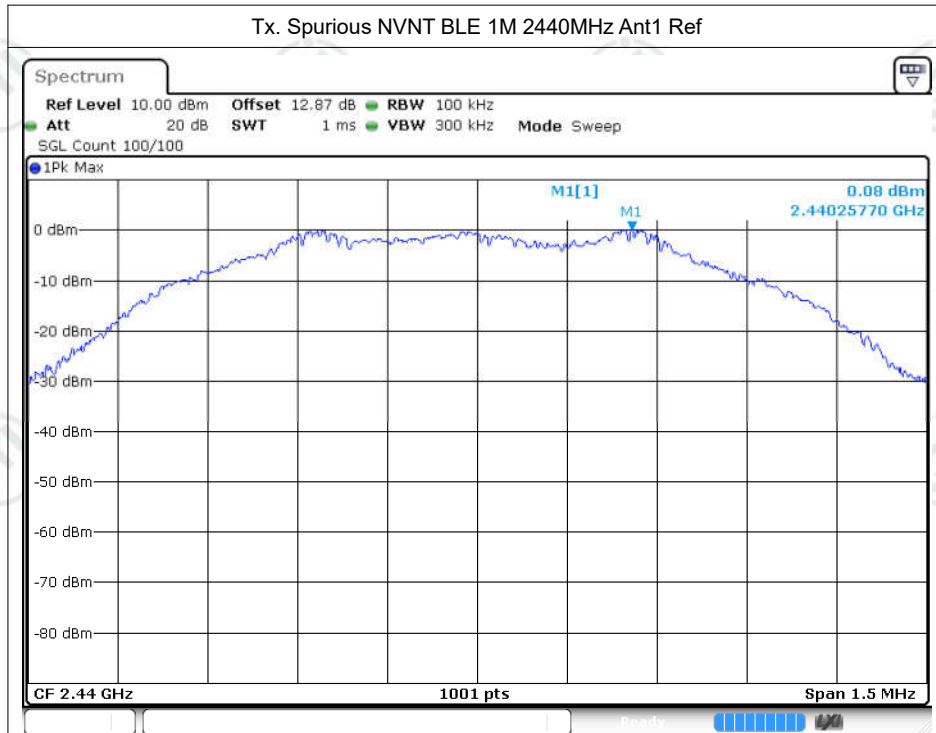
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-26.92	-20	Pass
NVNT	BLE 1M	2440	Ant1	-31.99	-20	Pass
NVNT	BLE 1M	2480	Ant1	-36.92	-20	Pass
NVNT	BLE 2M	2402	Ant1	-26.69	-20	Pass
NVNT	BLE 2M	2440	Ant1	-31.45	-20	Pass
NVNT	BLE 2M	2480	Ant1	-36.14	-20	Pass



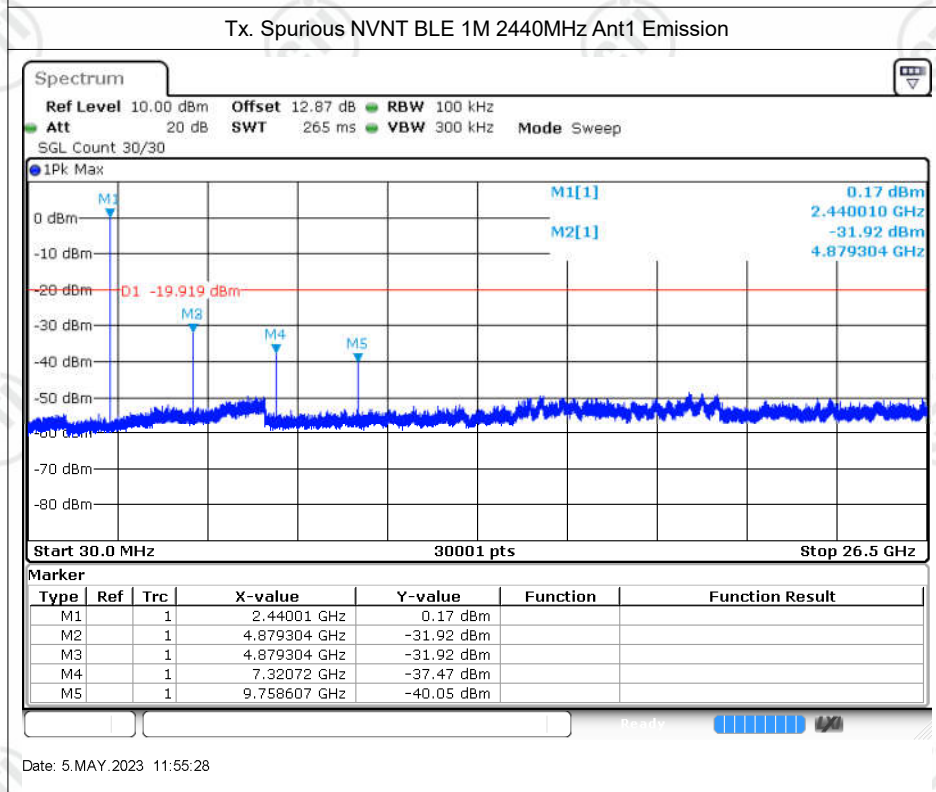
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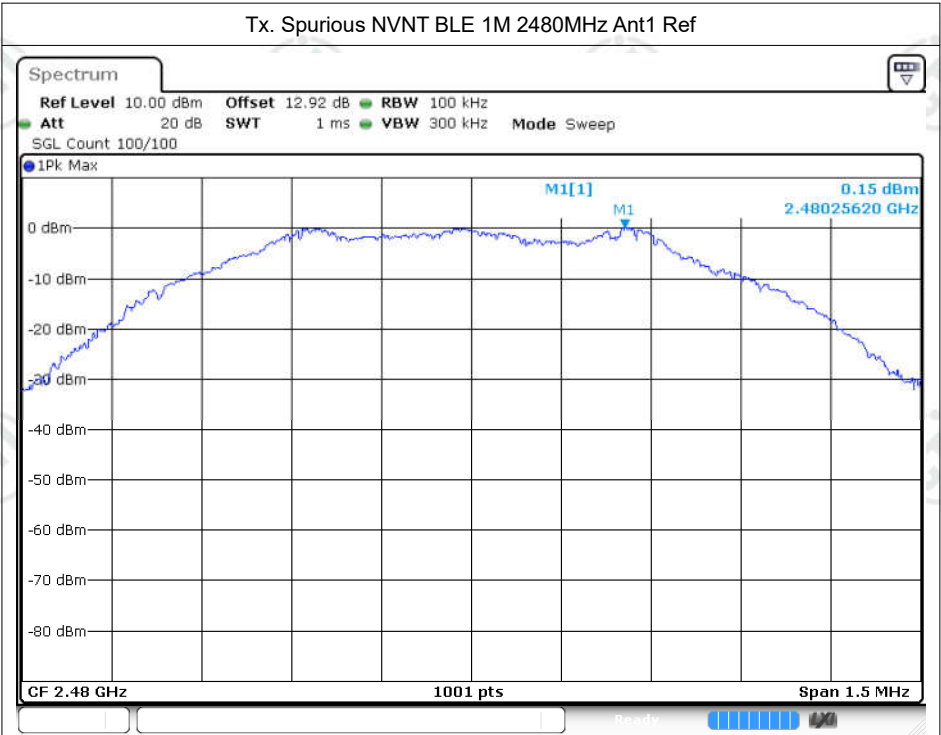
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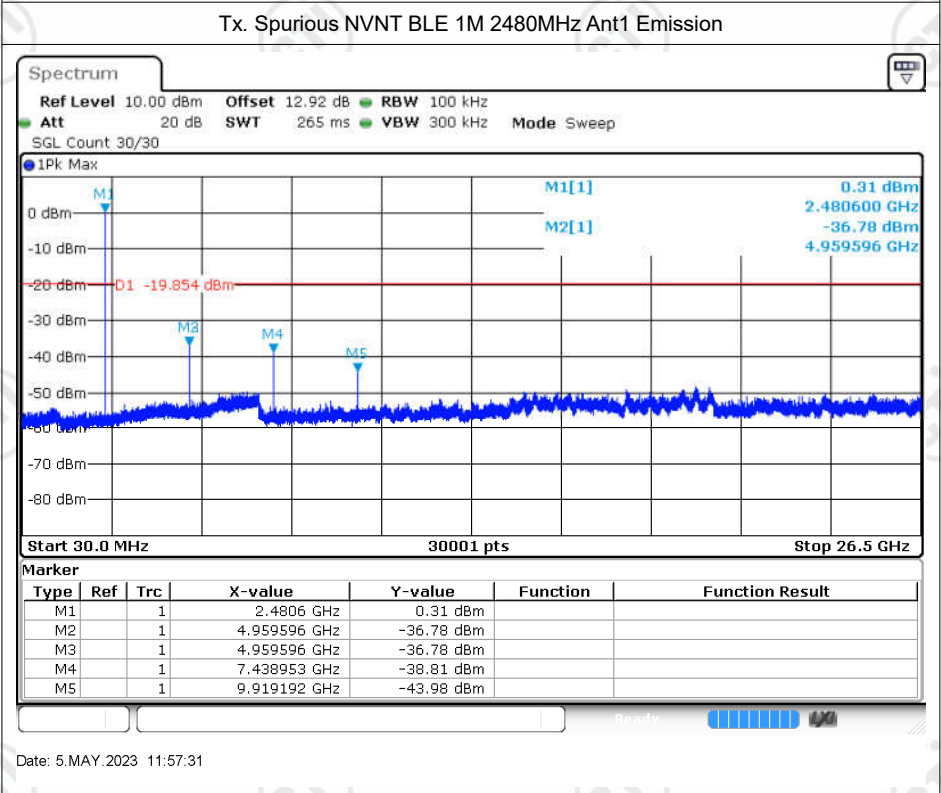
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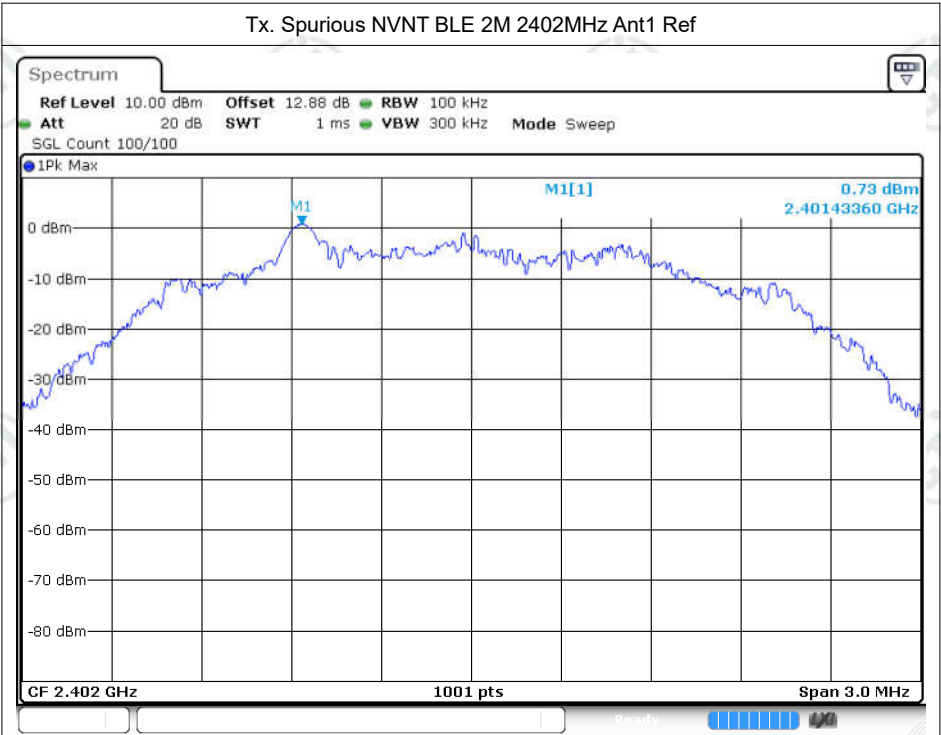
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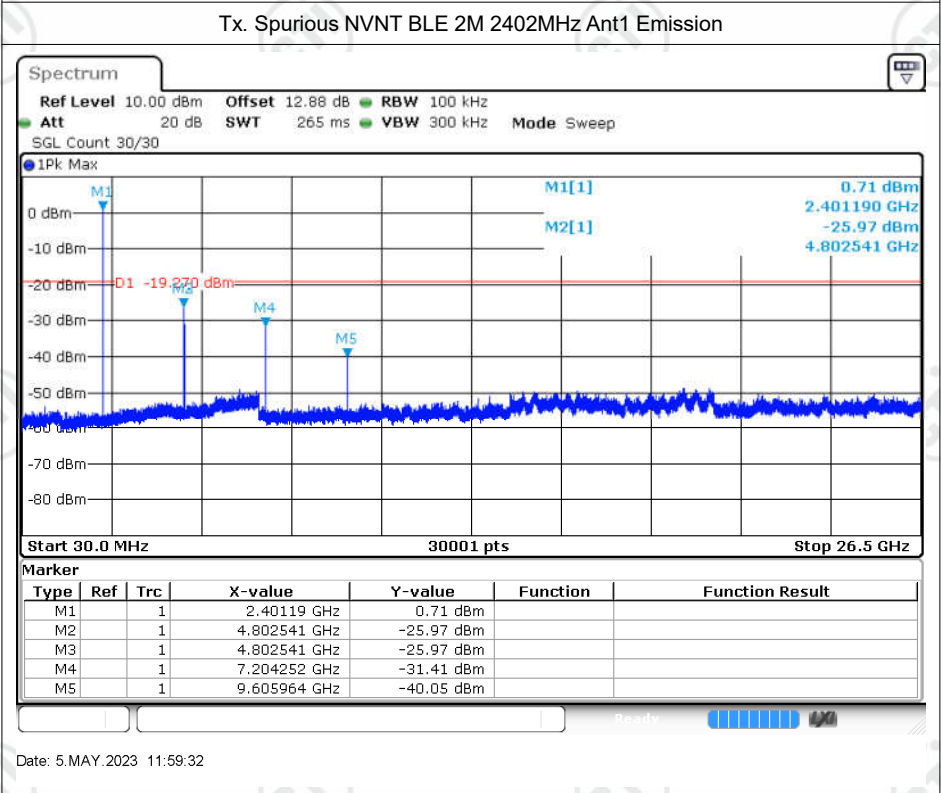
Date: 5.MAY.2023 11:57:02



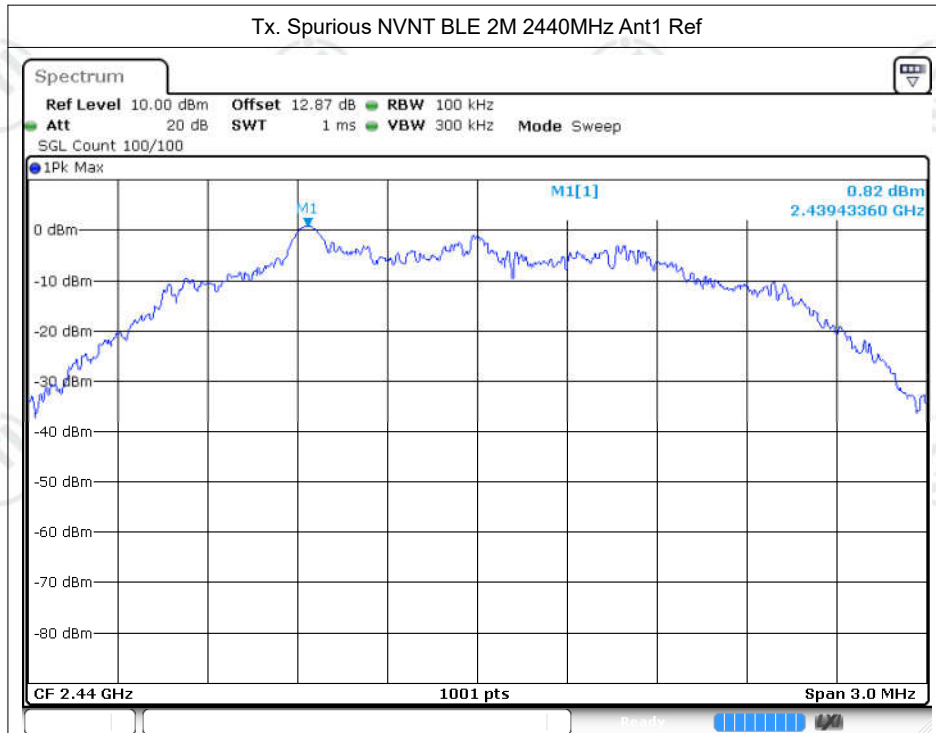
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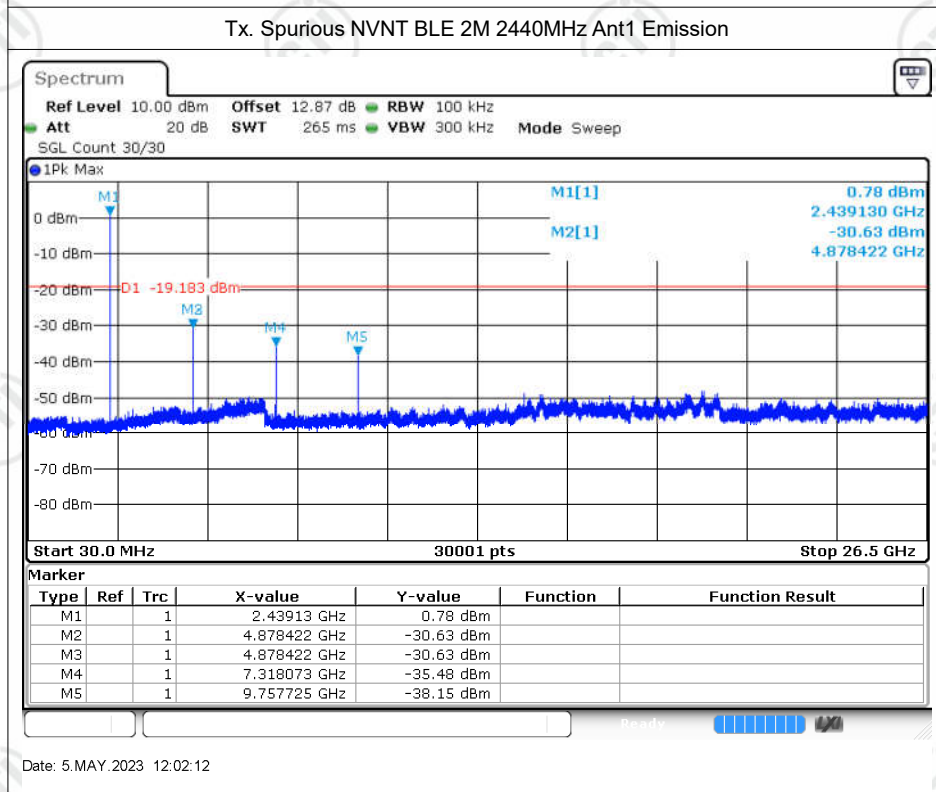
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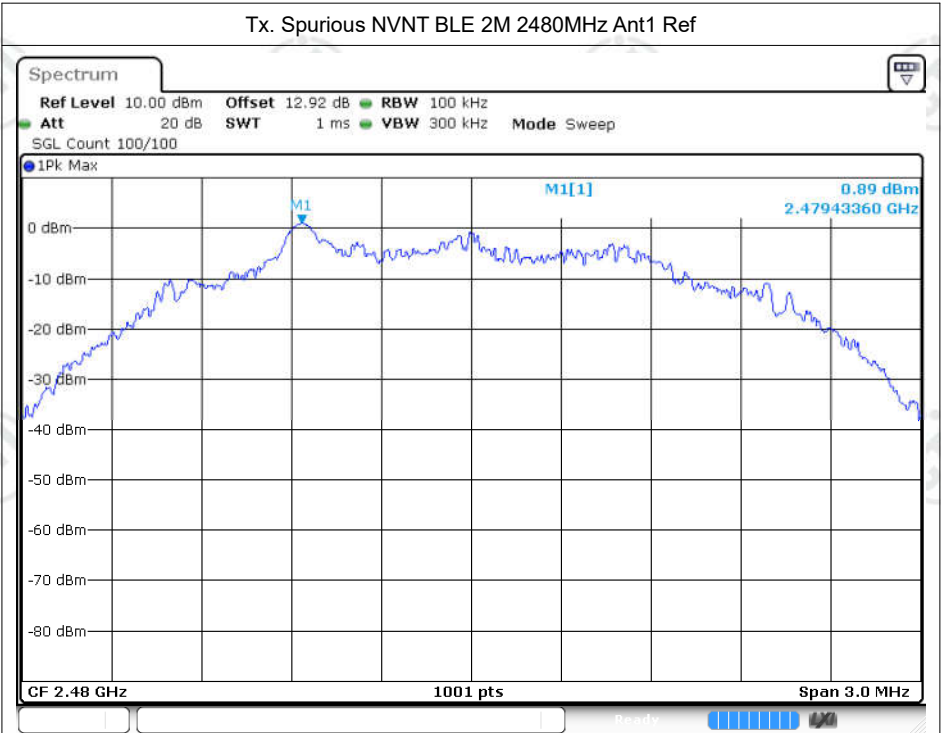
Date: 5.MAY.2023 11:59:32



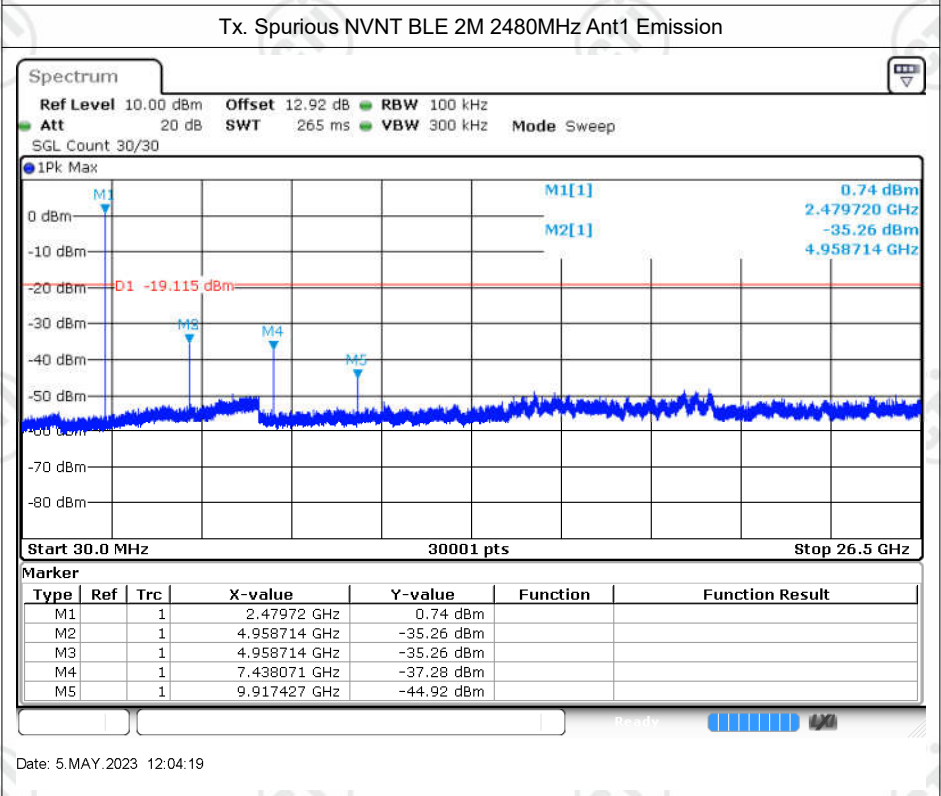
Date: 5.MAY.2023 12:01:43



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Date: 5.MAY.2023 12:03:50



*** End of Report ***