

Appendix: Bluetooth LE

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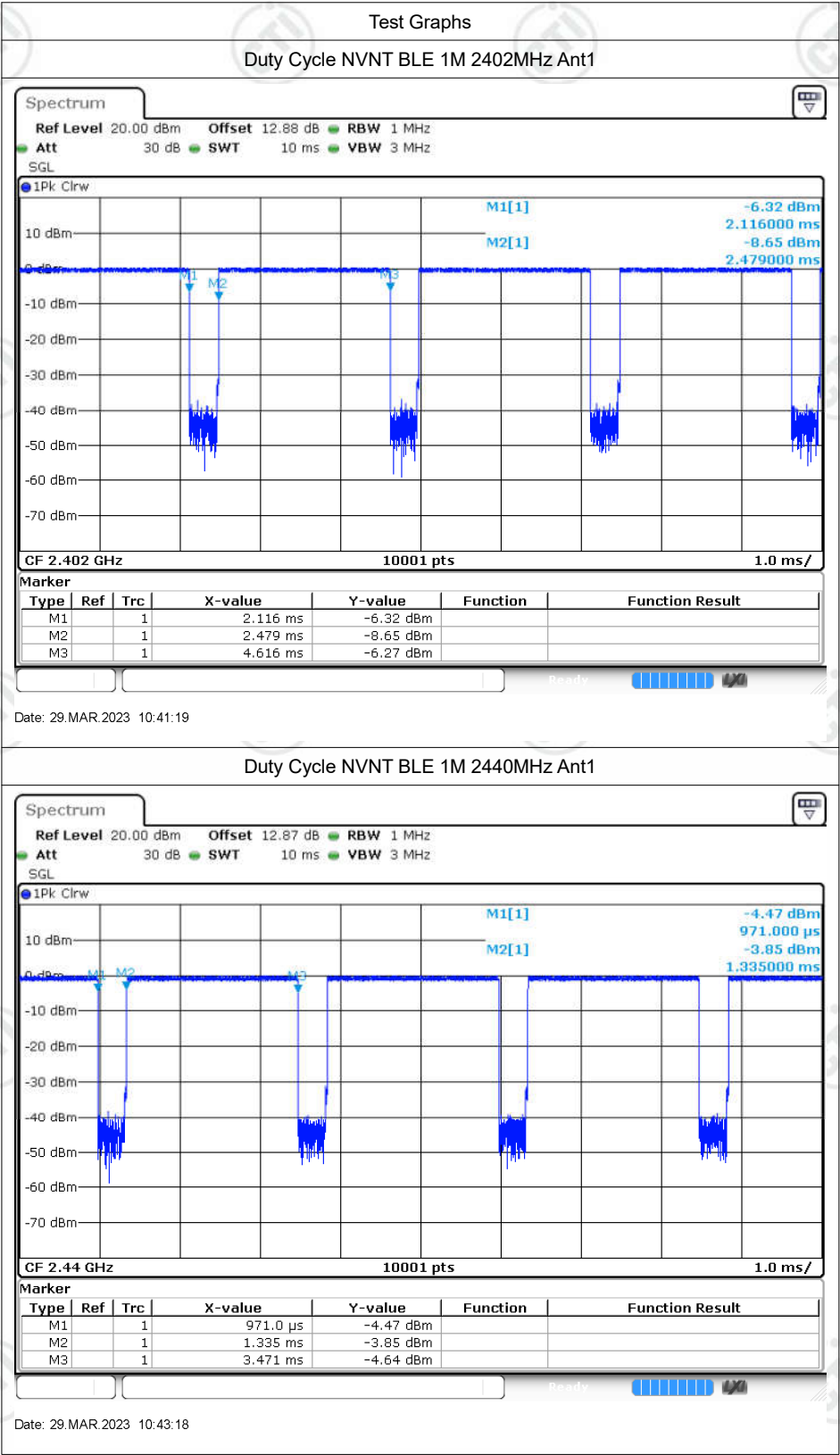
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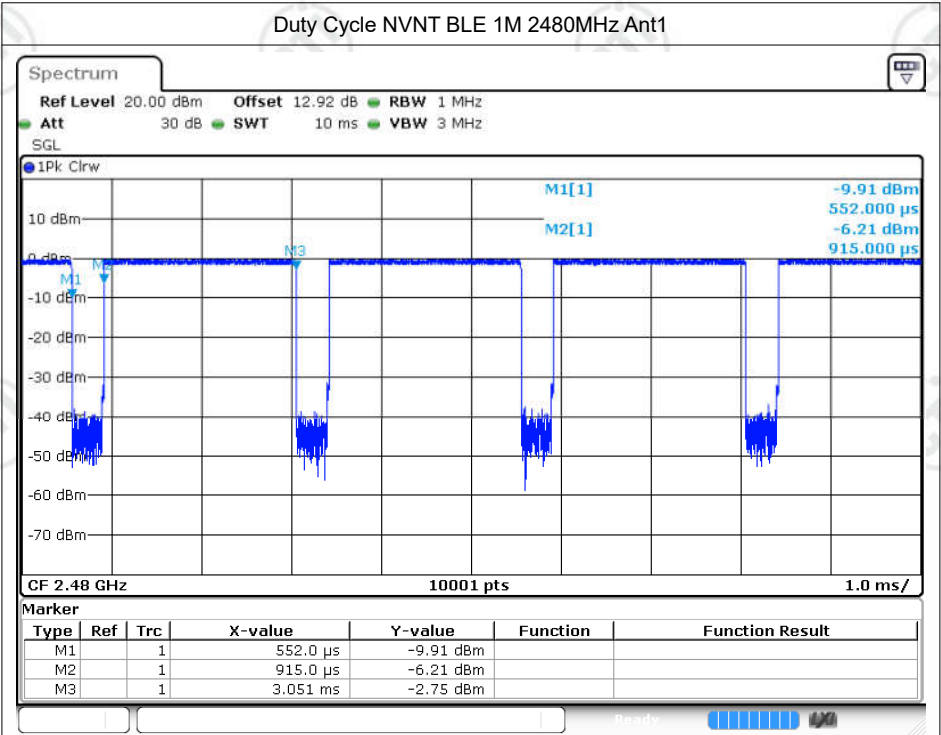
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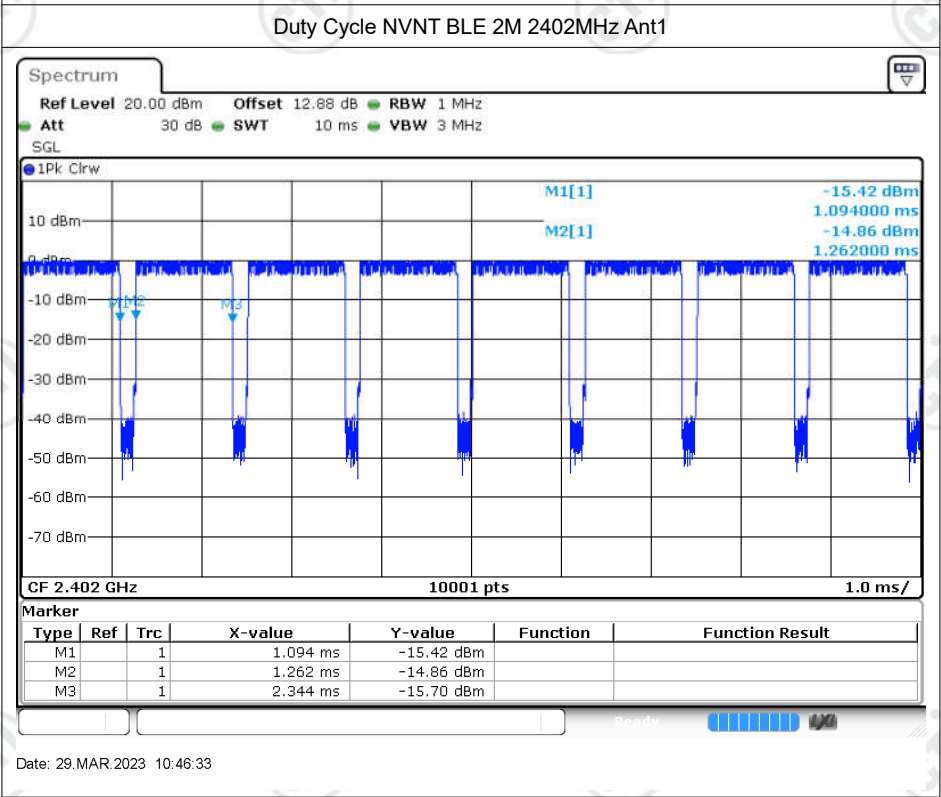
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	85.48	0.68	0.47
NVNT	BLE 1M	2440	Ant1	85.44	0.68	0.47
NVNT	BLE 1M	2480	Ant1	85.47	0.68	0.47
NVNT	BLE 2M	2402	Ant1	86.56	0.63	0.92
NVNT	BLE 2M	2440	Ant1	86.56	0.63	0.92
NVNT	BLE 2M	2480	Ant1	86.56	0.63	0.92

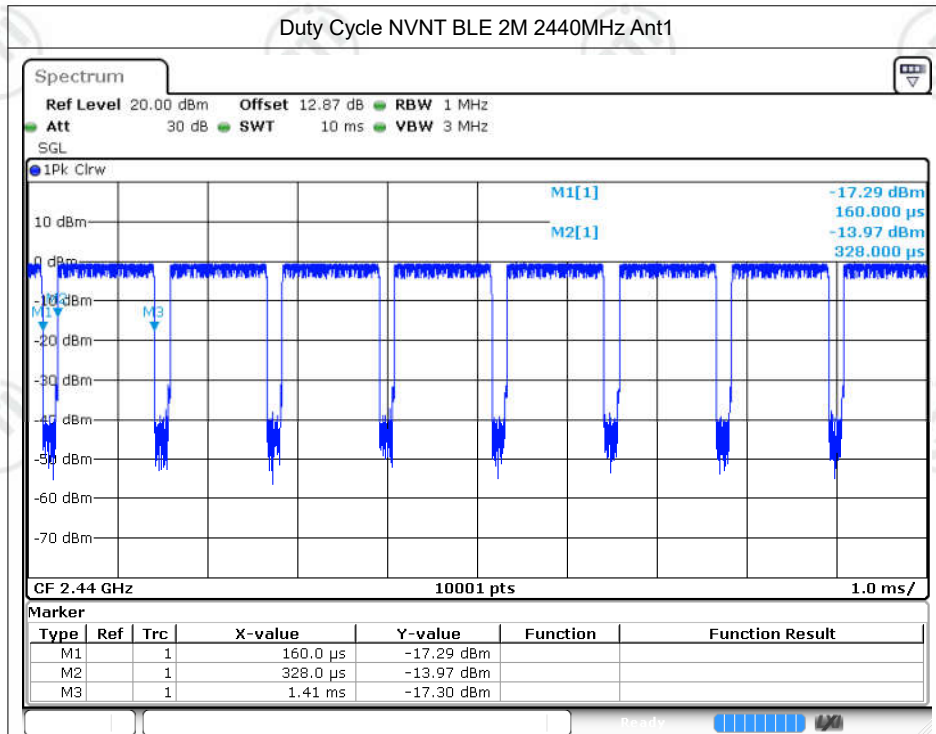




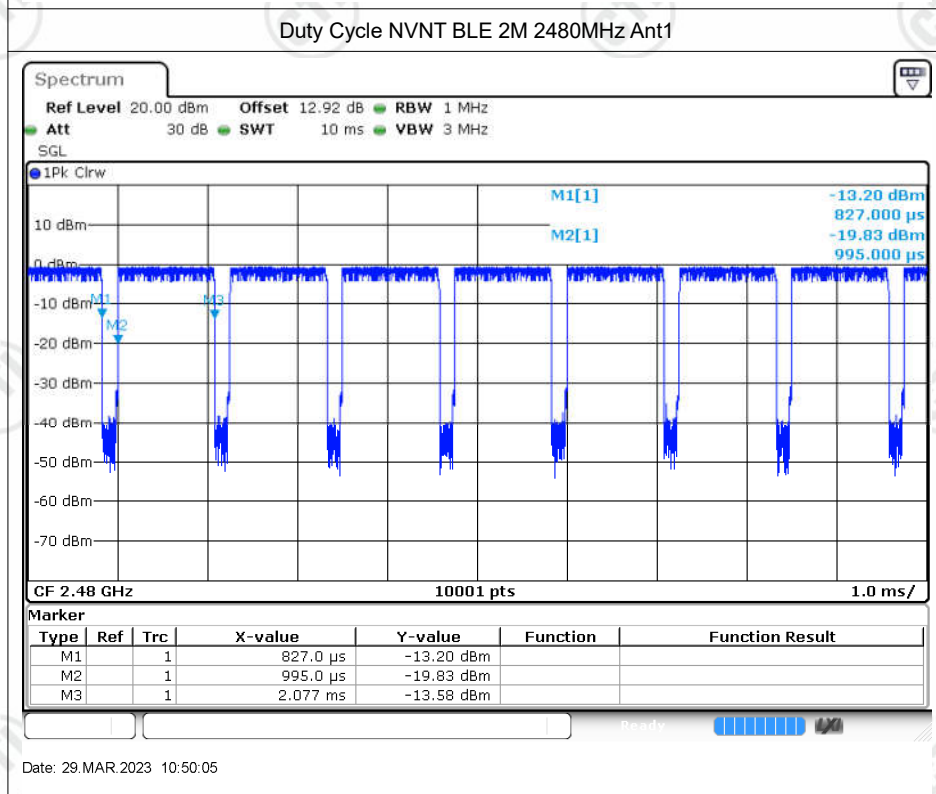
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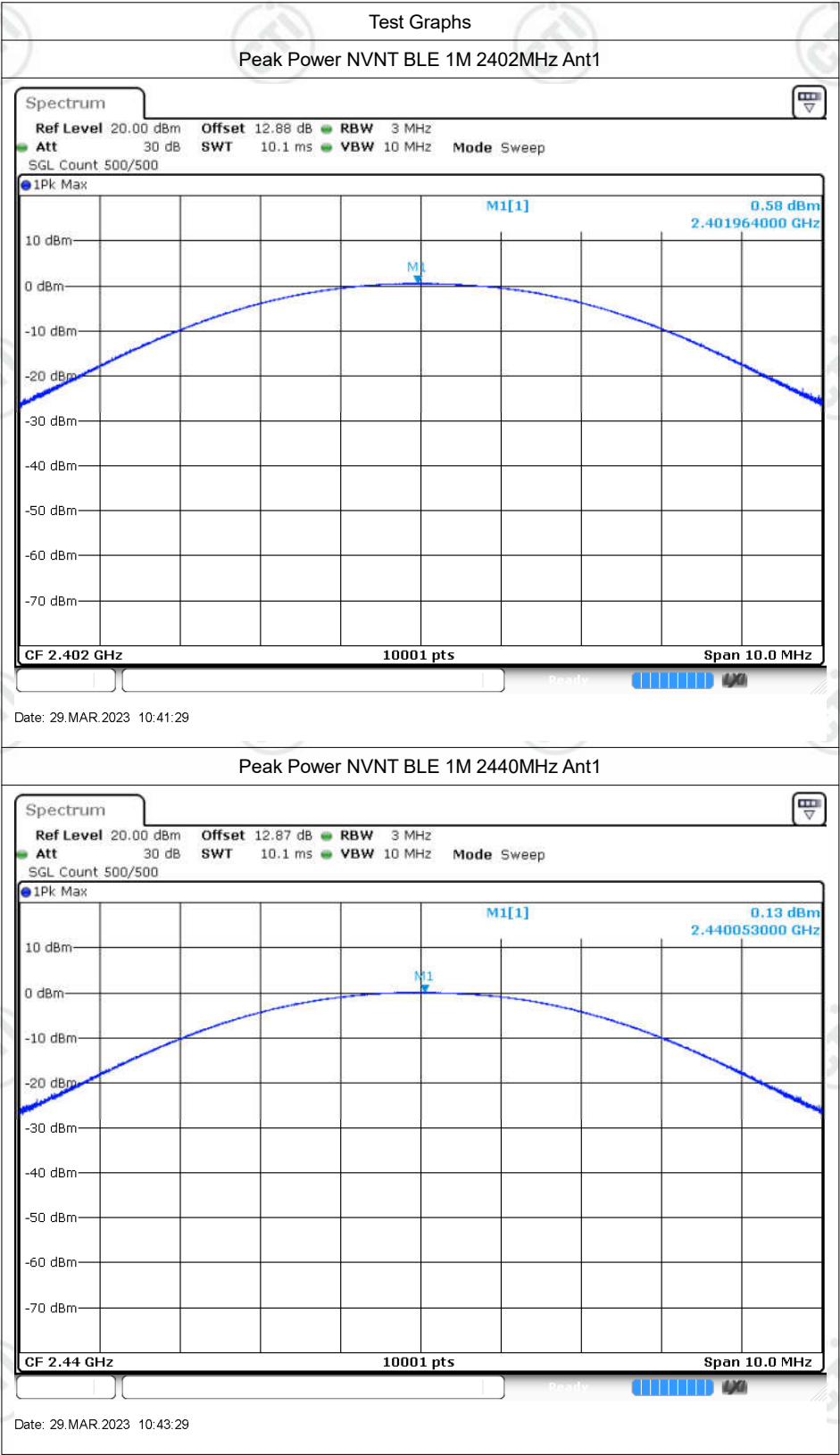
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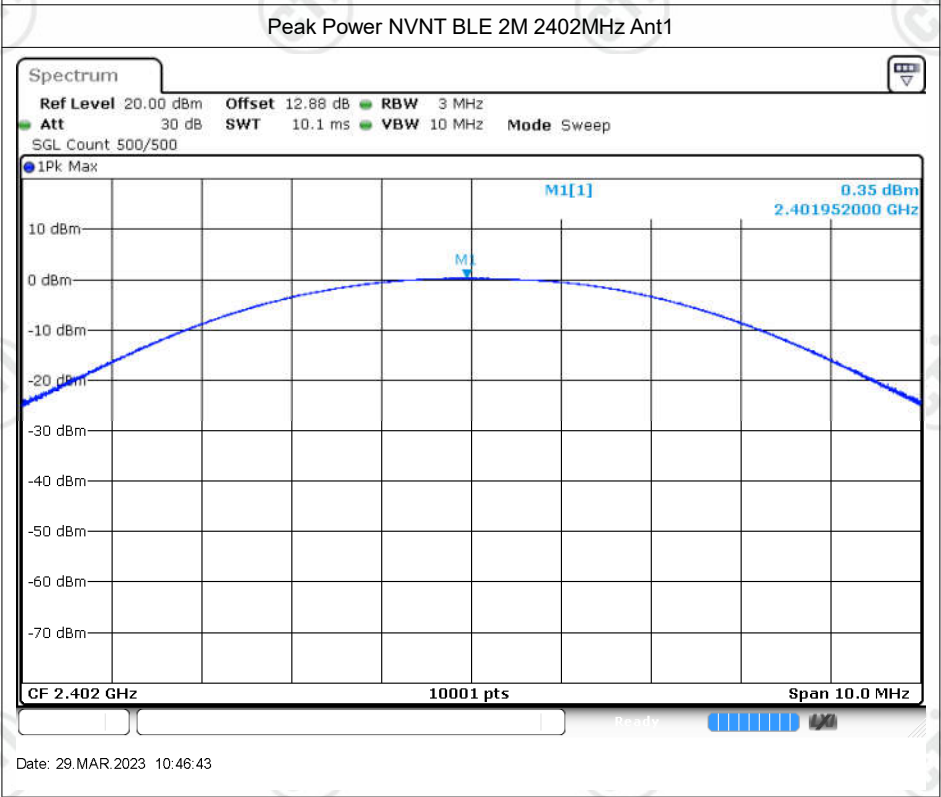
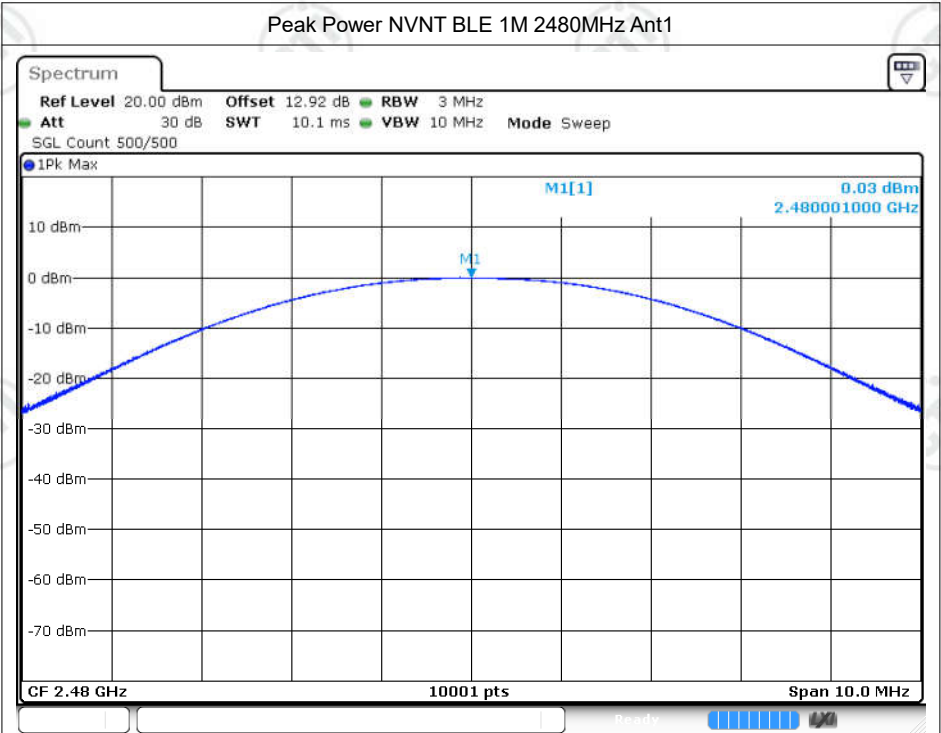


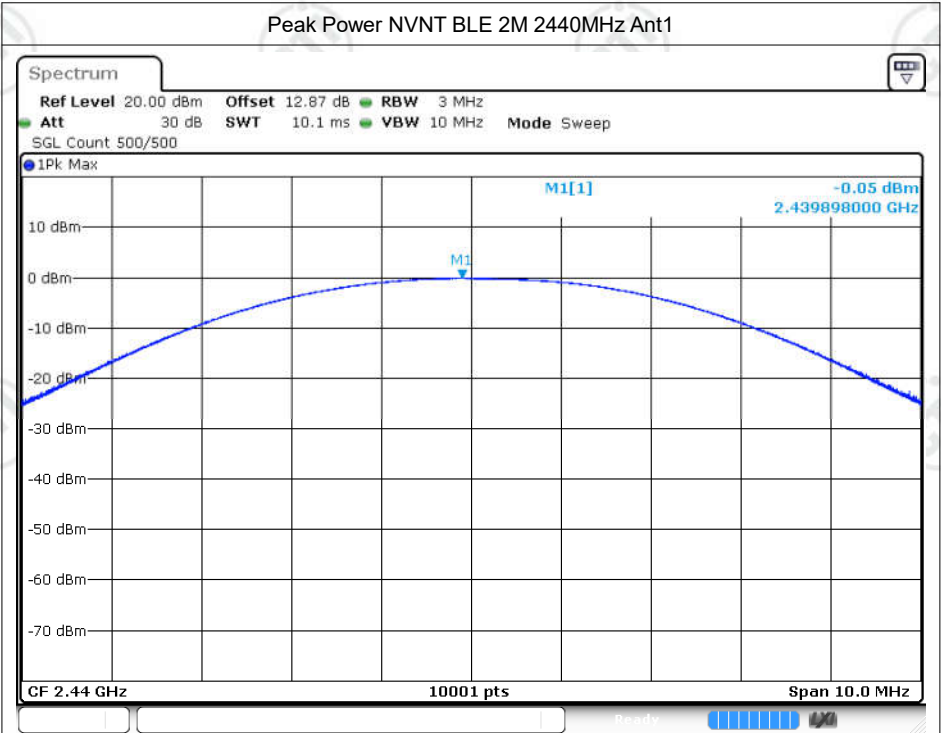
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Maximum Peak Conducted Output Power

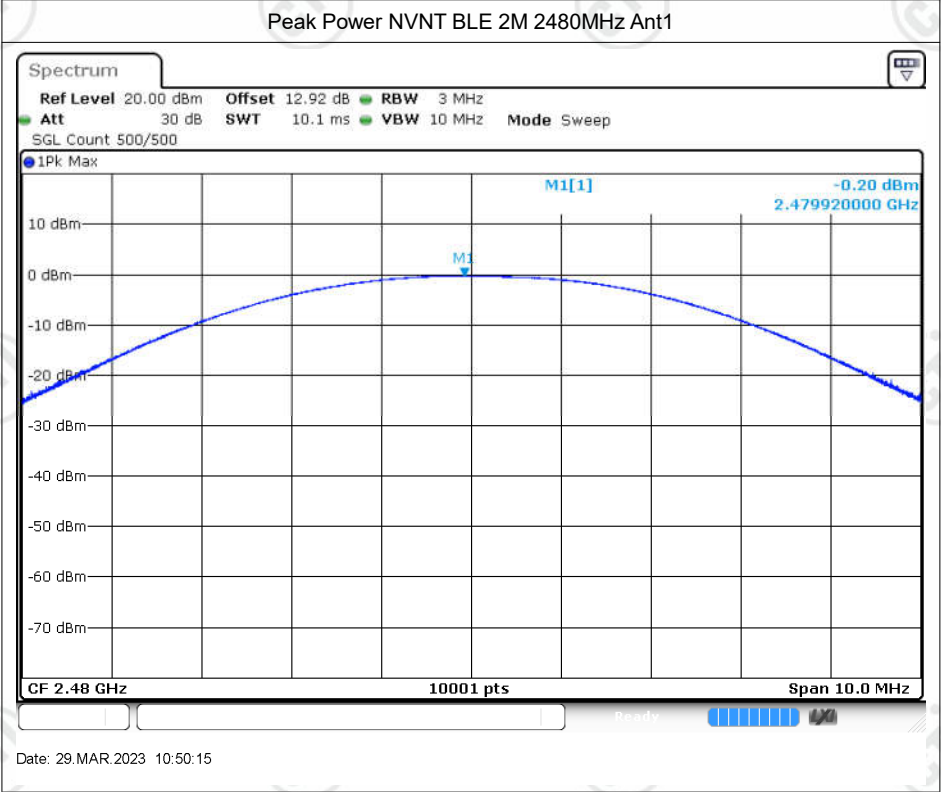
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.58	30	Pass
NVNT	BLE 1M	2440	Ant1	0.13	30	Pass
NVNT	BLE 1M	2480	Ant1	0.03	30	Pass
NVNT	BLE 2M	2402	Ant1	0.35	30	Pass
NVNT	BLE 2M	2440	Ant1	-0.05	30	Pass
NVNT	BLE 2M	2480	Ant1	-0.2	30	Pass







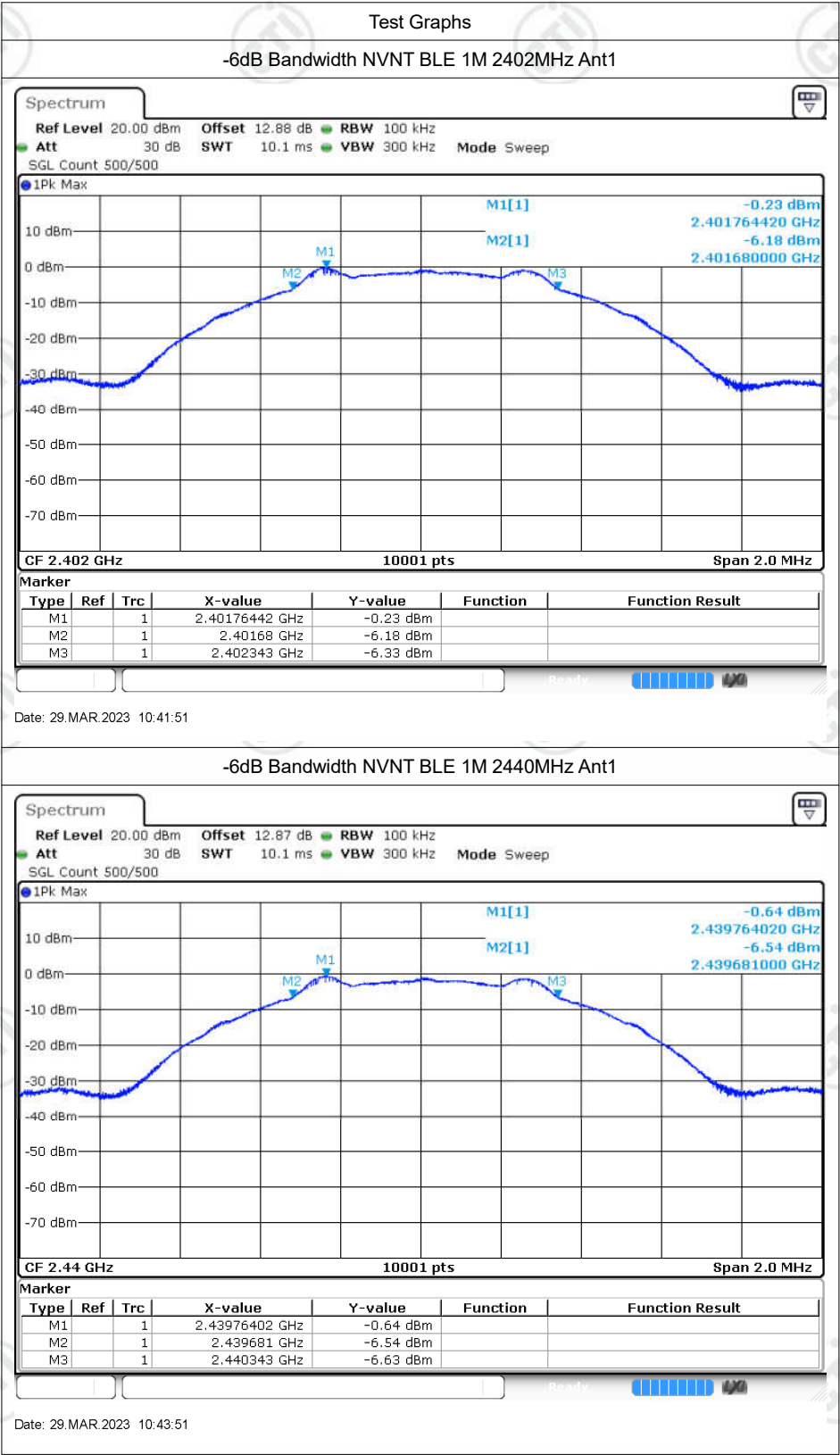
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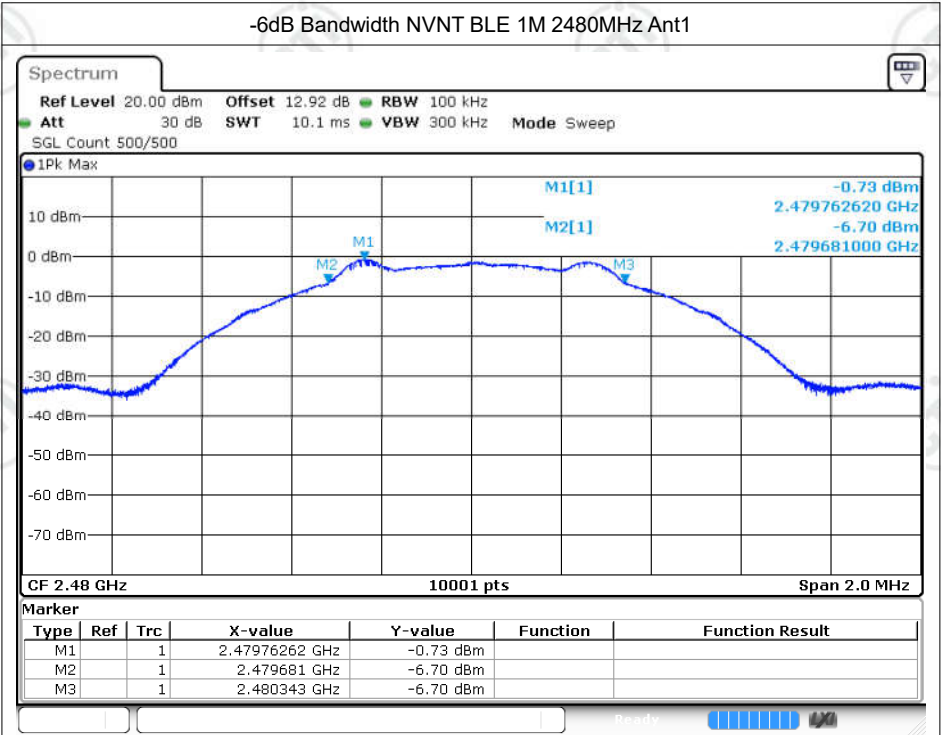


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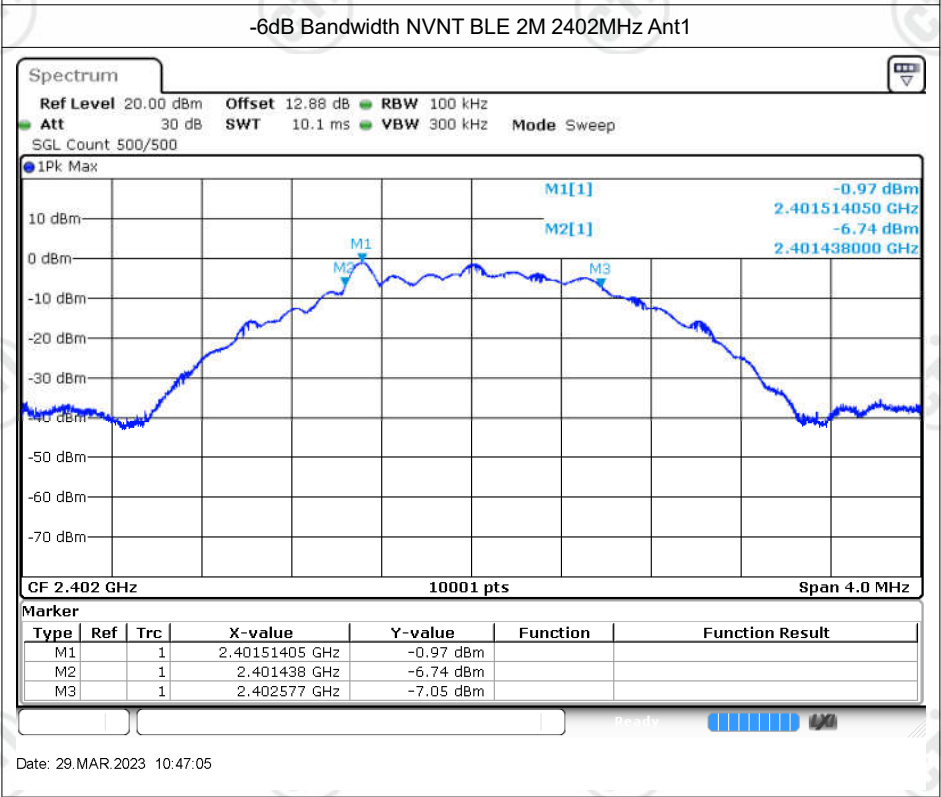
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.663	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.662	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.663	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.139	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.14	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.138	0.5	Pass

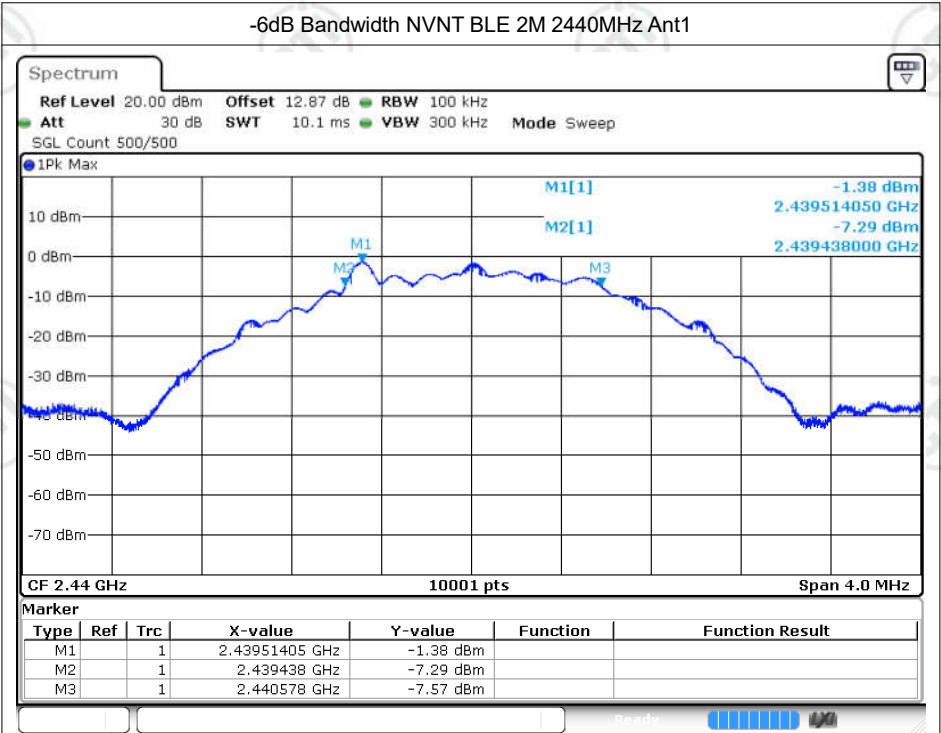




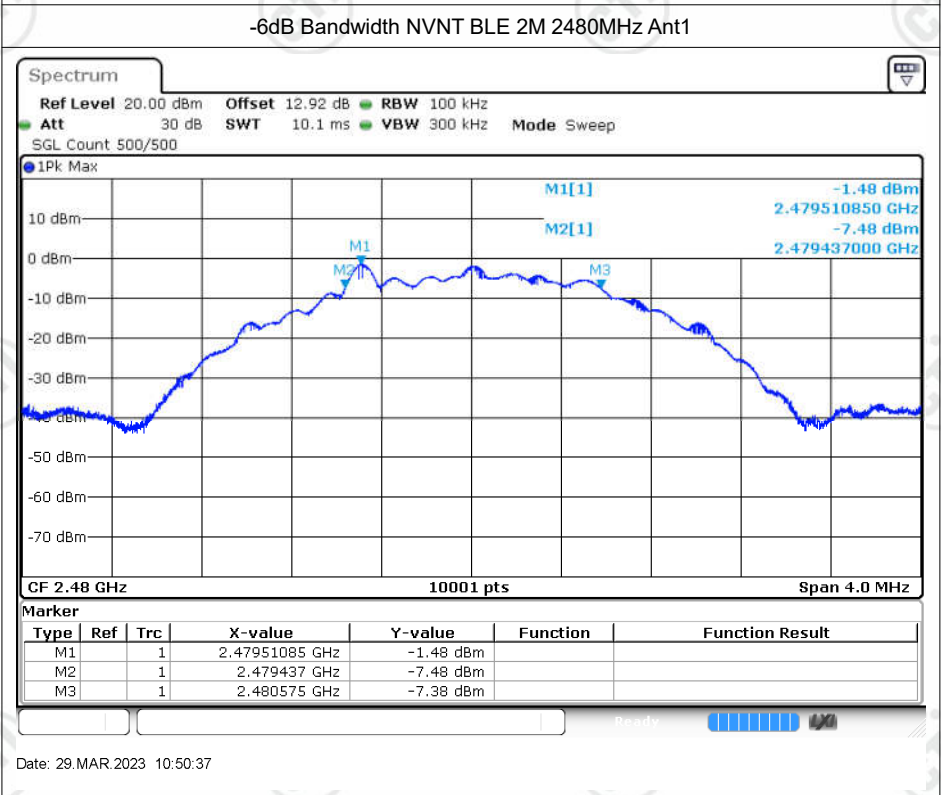
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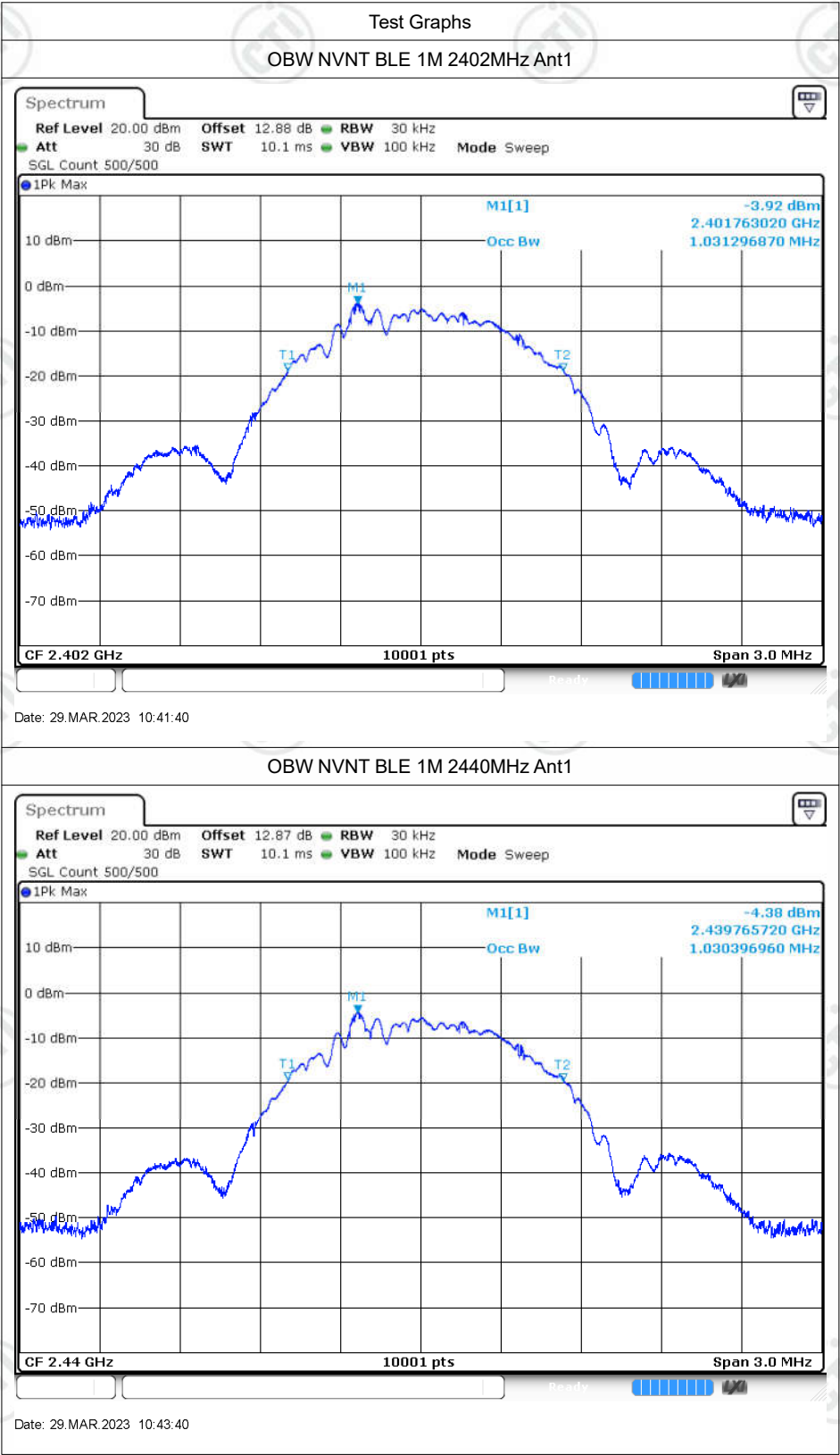
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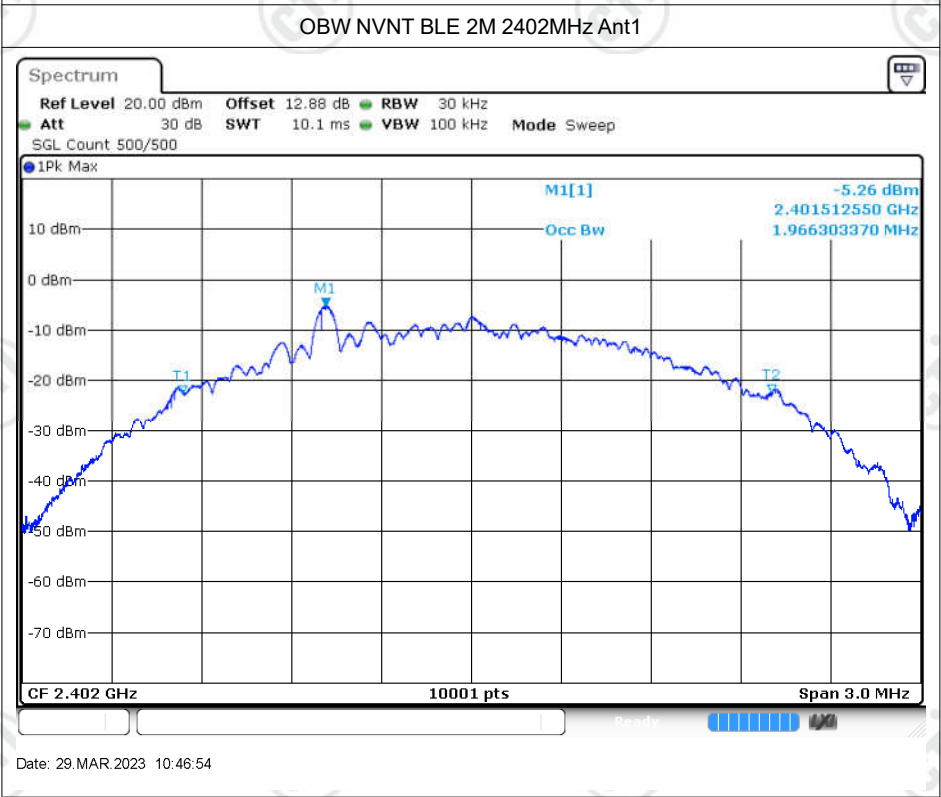
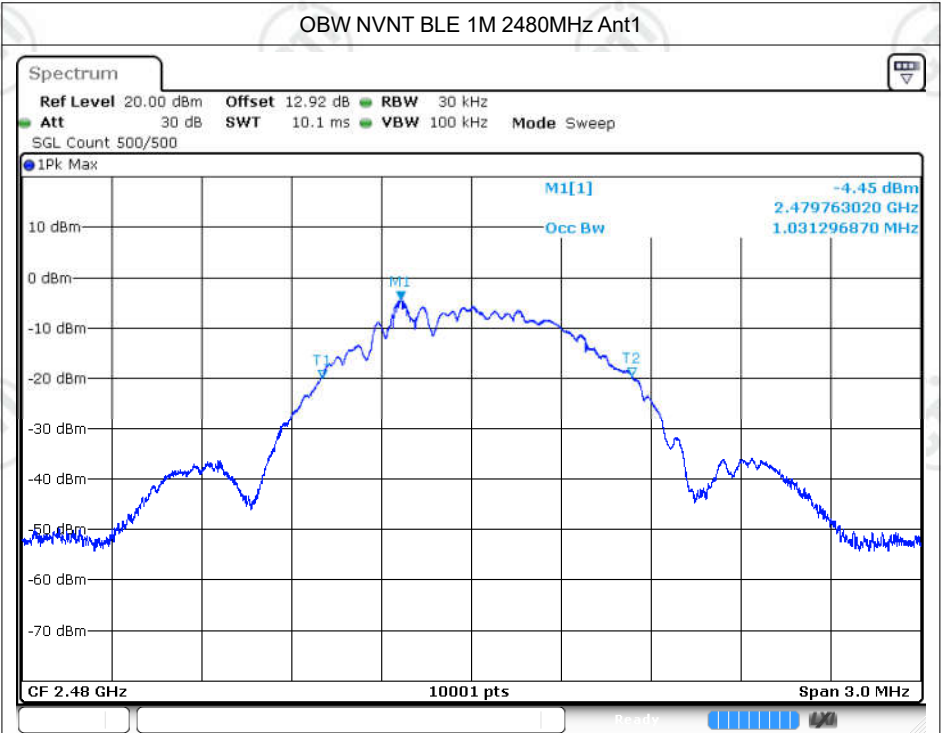


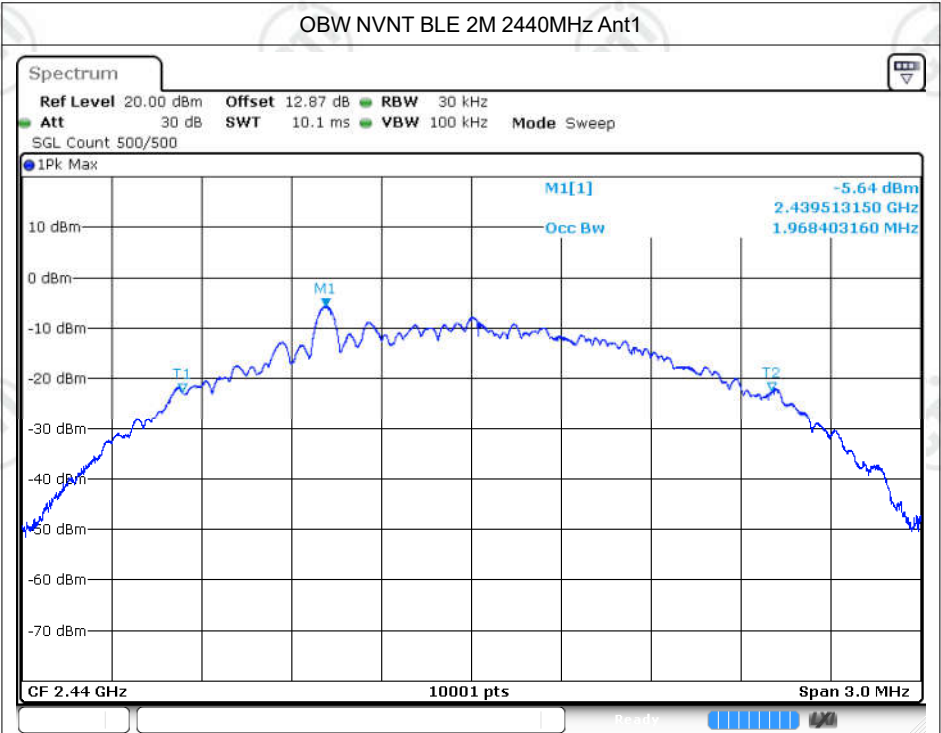
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Occupied Channel Bandwidth

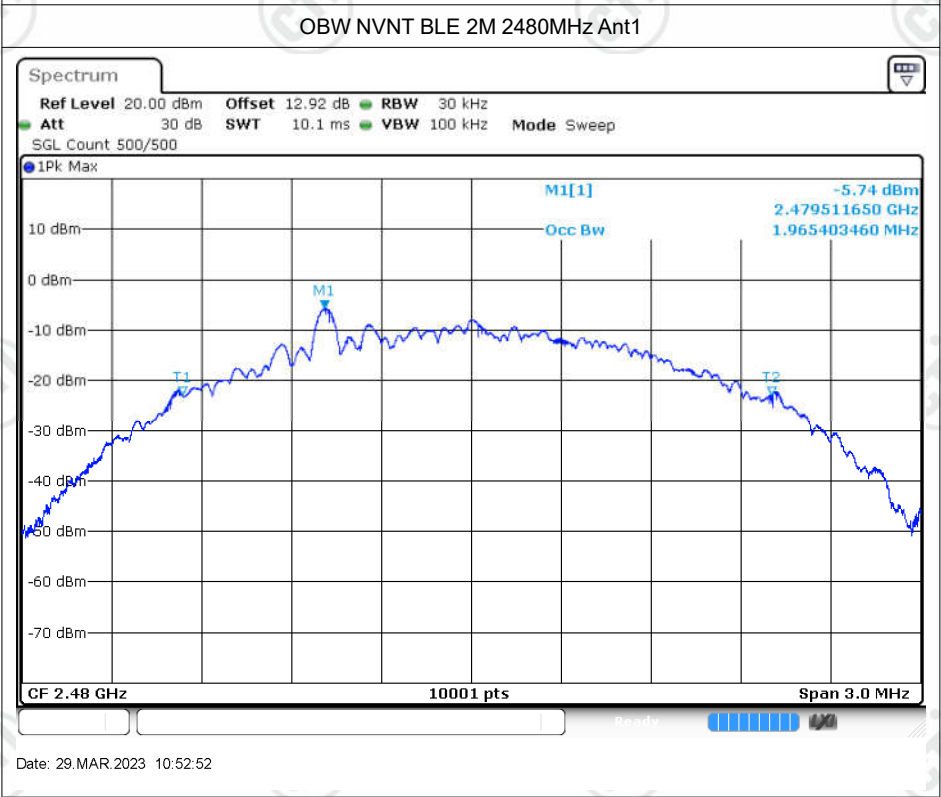
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.031
NVNT	BLE 1M	2440	Ant1	1.03
NVNT	BLE 1M	2480	Ant1	1.031
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NVNT	BLE 2M	2440	Ant1	1.968
NVNT	BLE 2M	2480	Ant1	1.965







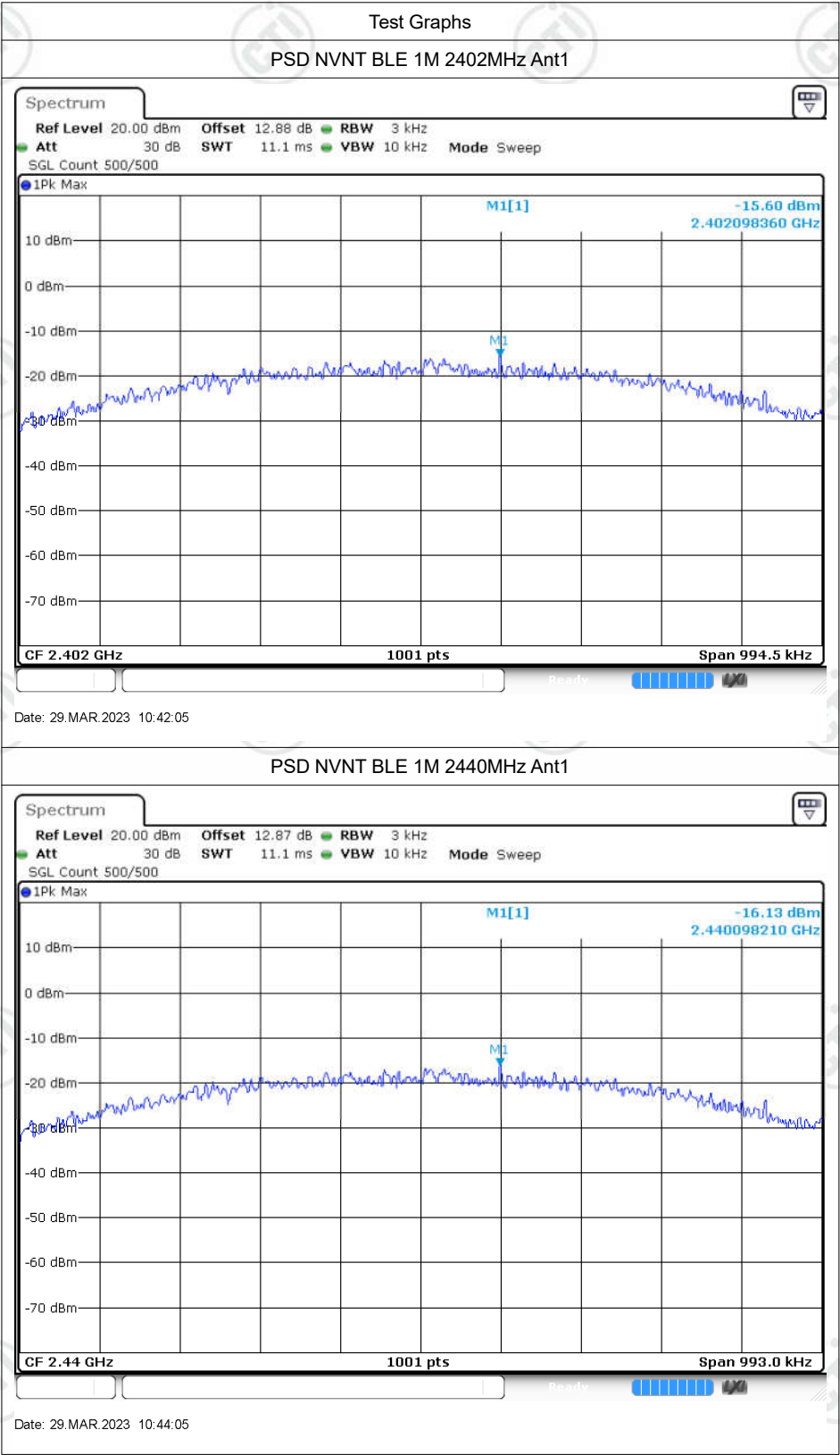
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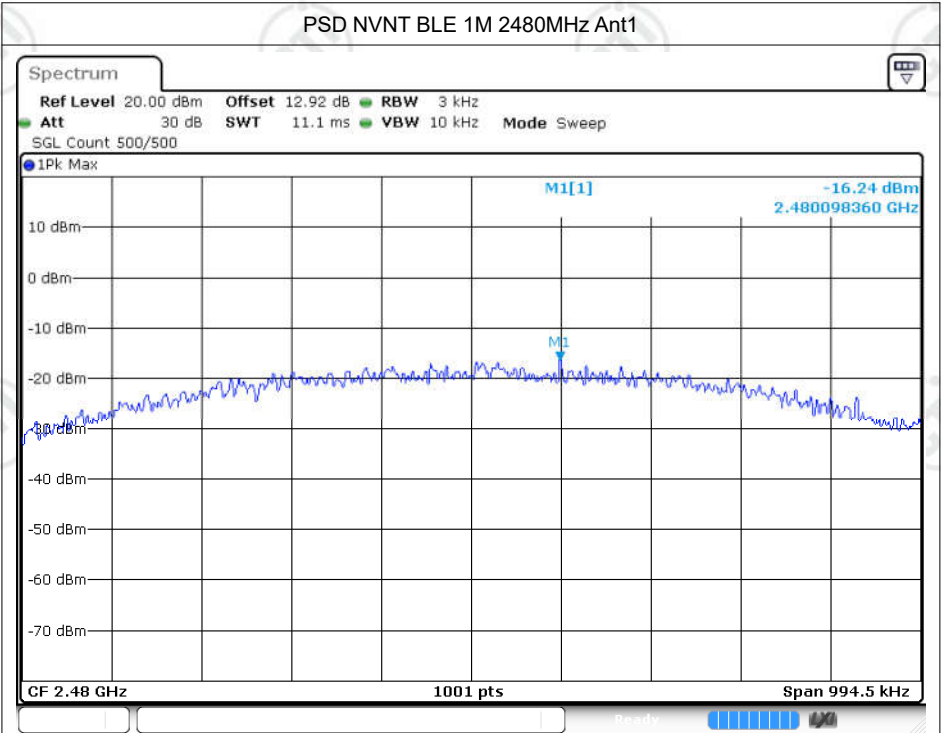


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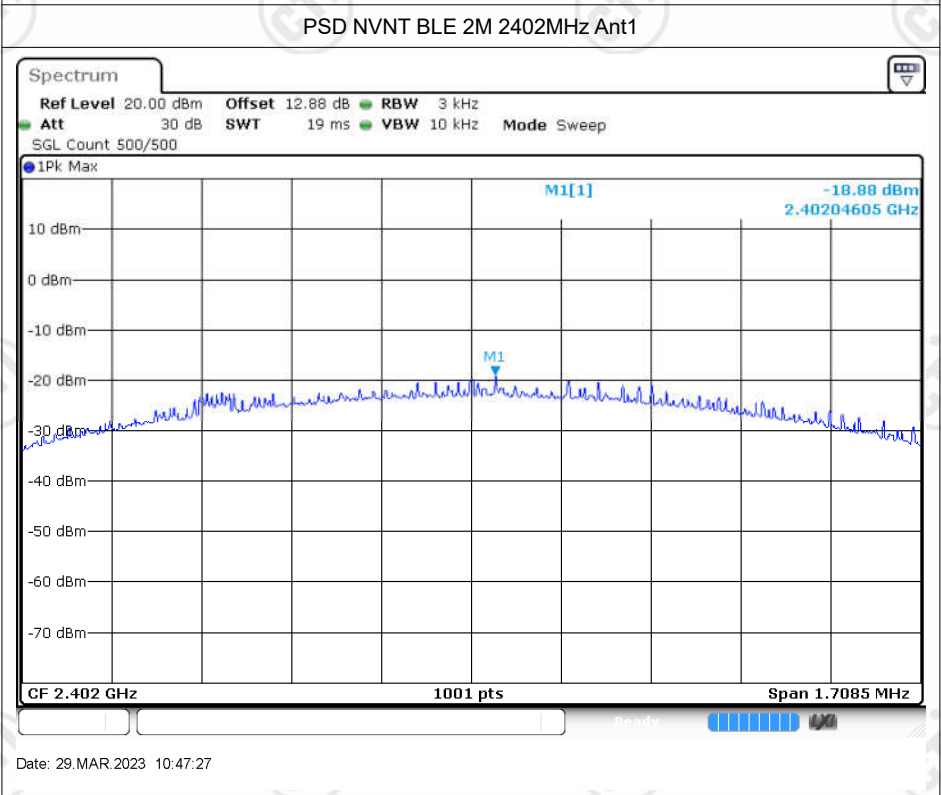
Maximum Power Spectral Density Level

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	-15.6	0	-15.6	8	Pass
NVNT	BLE 1M	2440	Ant1	-16.13	0	-16.13	8	Pass
NVNT	BLE 1M	2480	Ant1	-16.24	0	-16.24	8	Pass
NVNT	BLE 2M	2402	Ant1	-18.88	0	-18.88	8	Pass
NVNT	BLE 2M	2440	Ant1	-19.3	0	-19.3	8	Pass
NVNT	BLE 2M	2480	Ant1	-19.41	0	-19.41	8	Pass

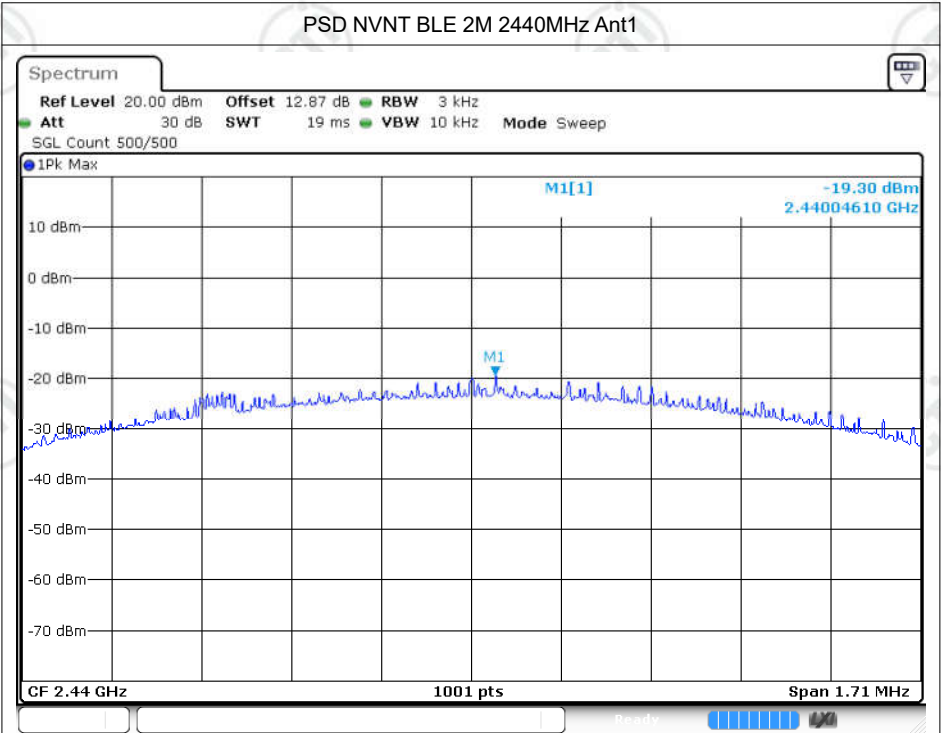




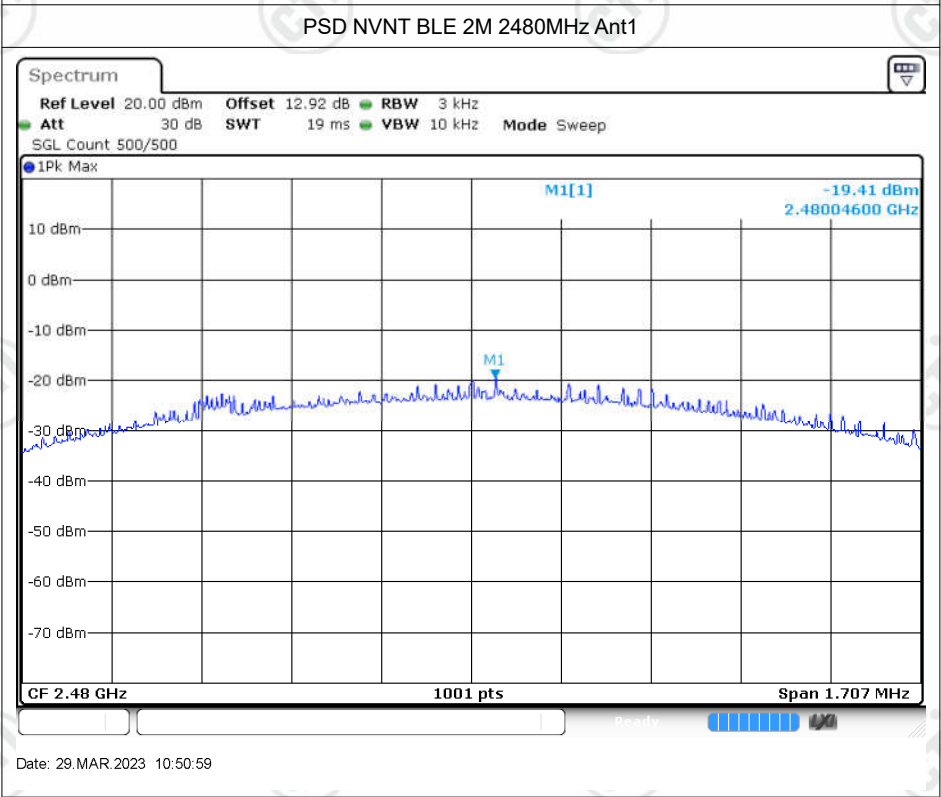
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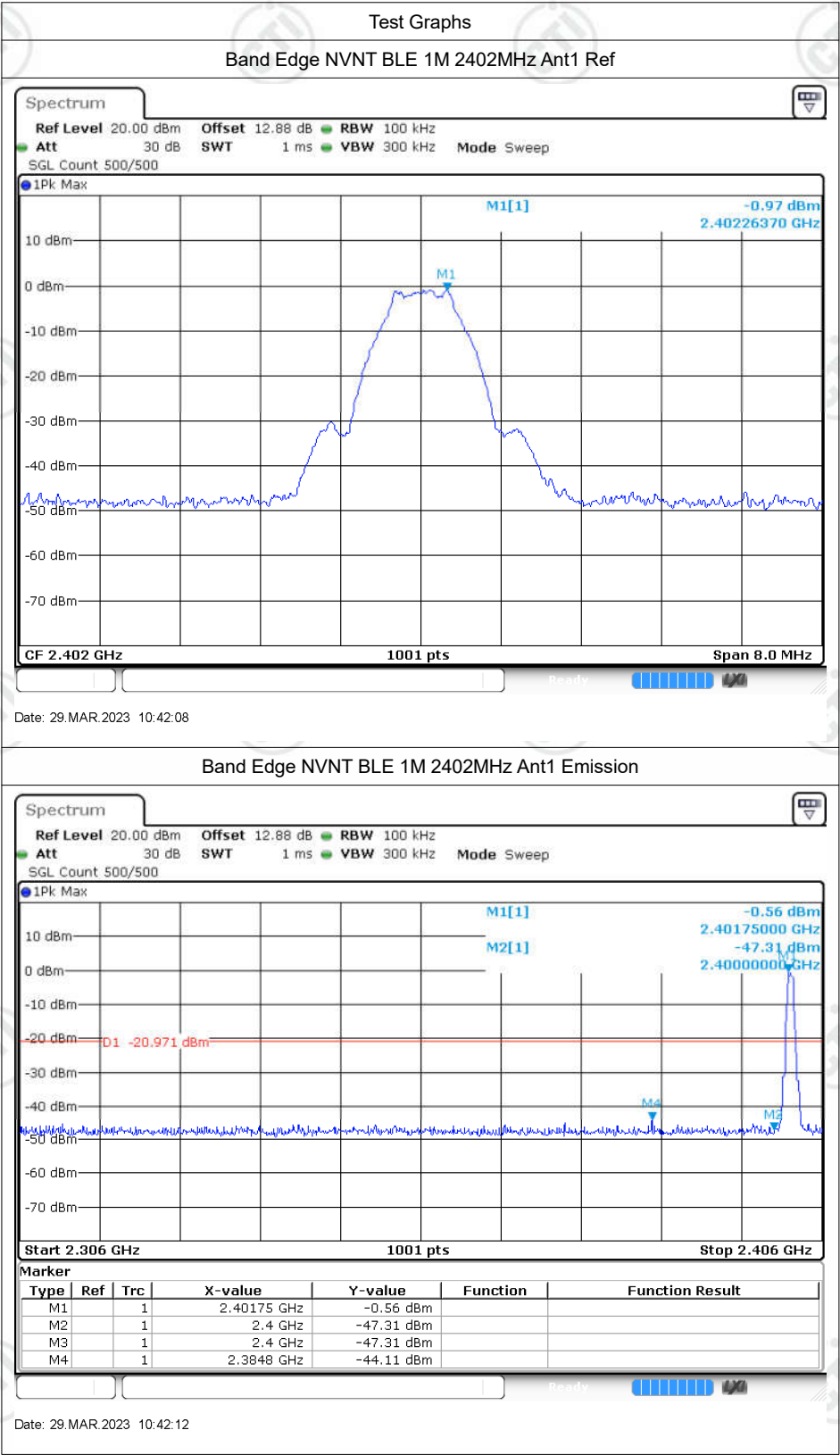
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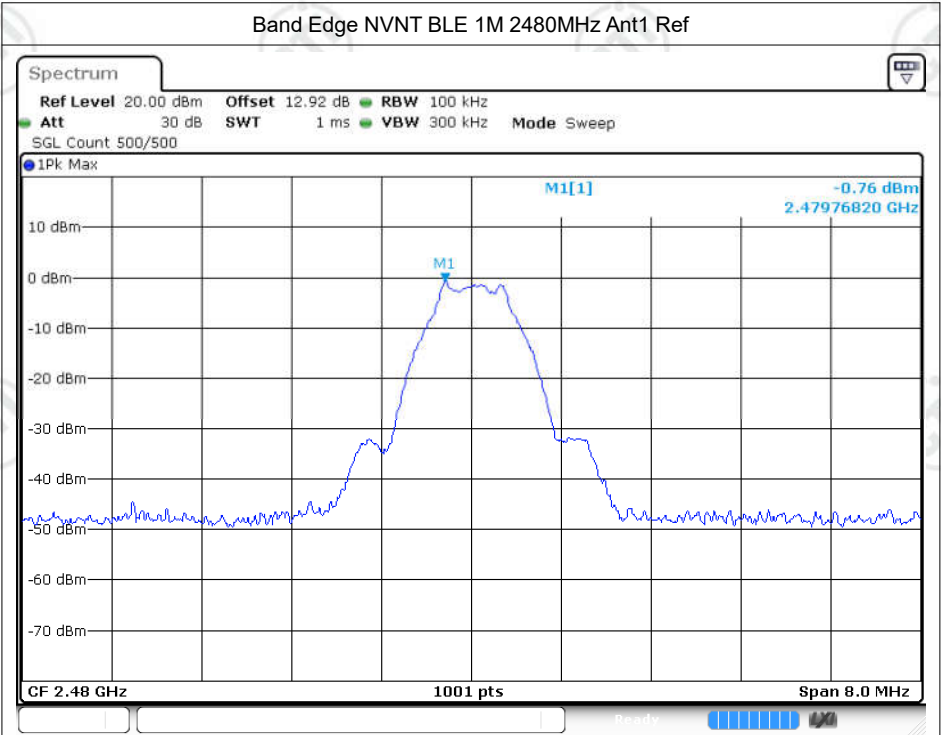


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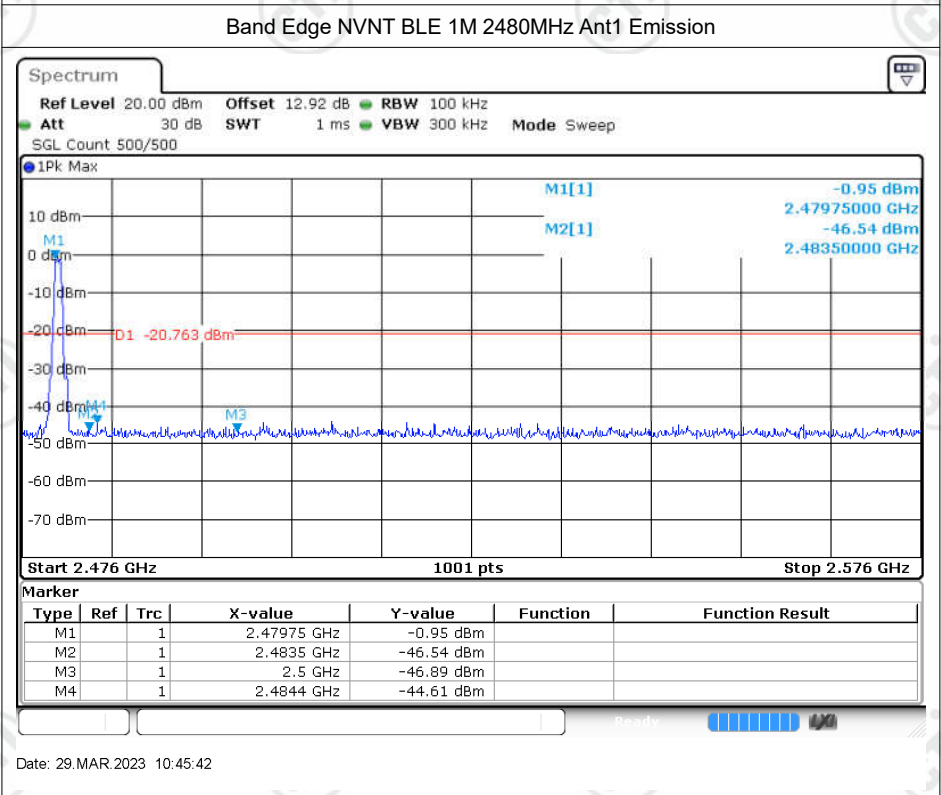
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-43.13	-20	Pass
NVNT	BLE 1M	2480	Ant1	-43.84	-20	Pass
NVNT	BLE 2M	2402	Ant1	-40.49	-20	Pass
NVNT	BLE 2M	2480	Ant1	-42.53	-20	Pass

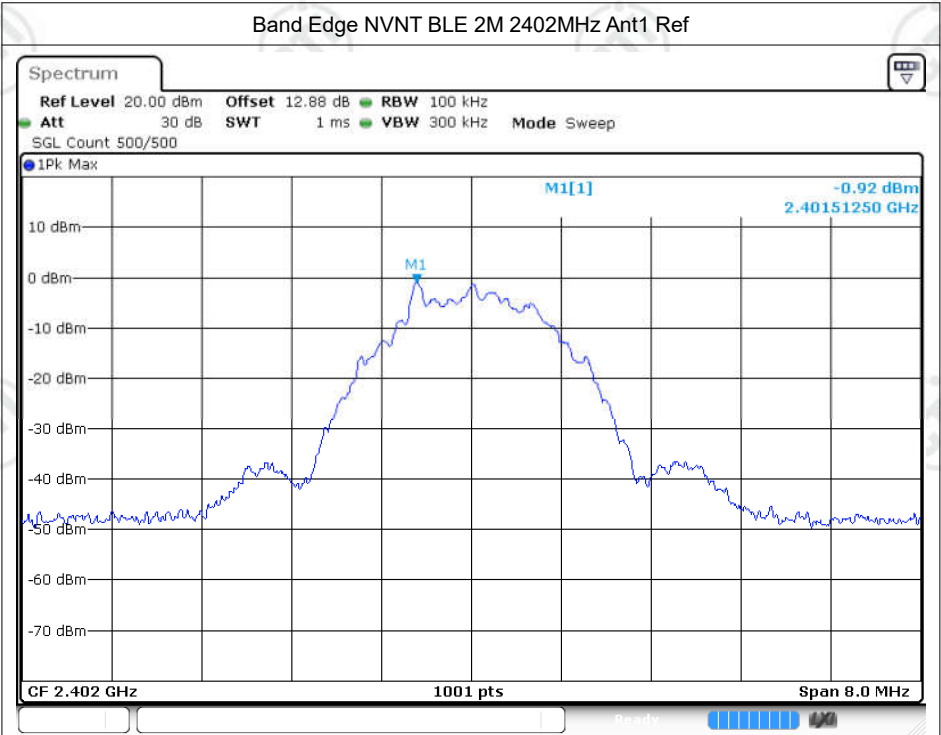




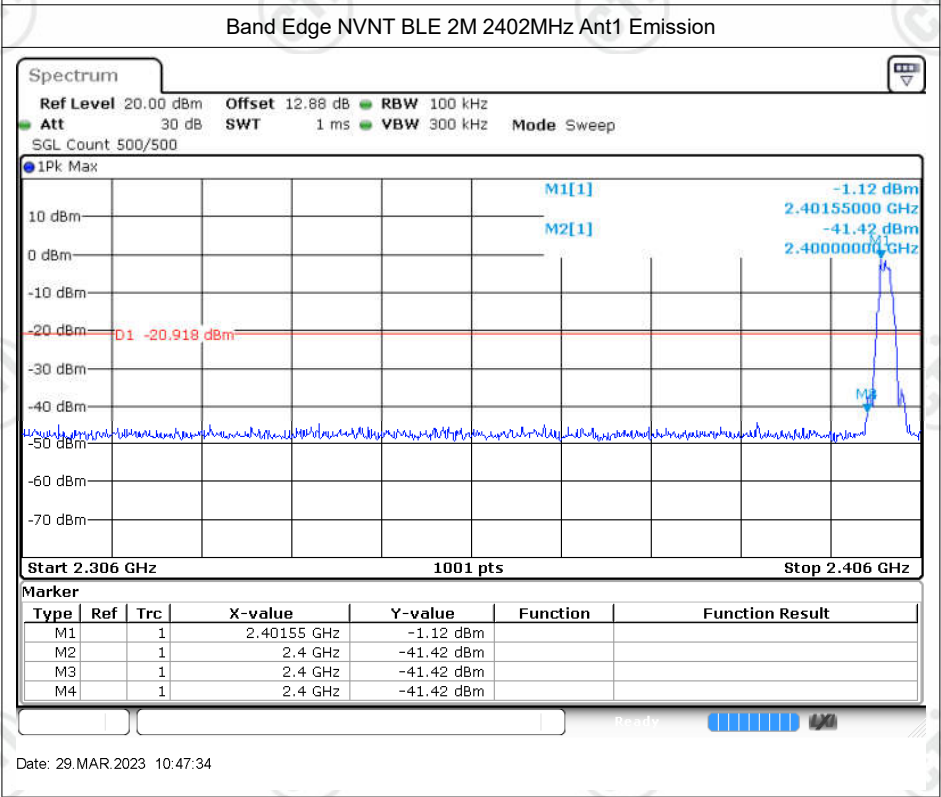
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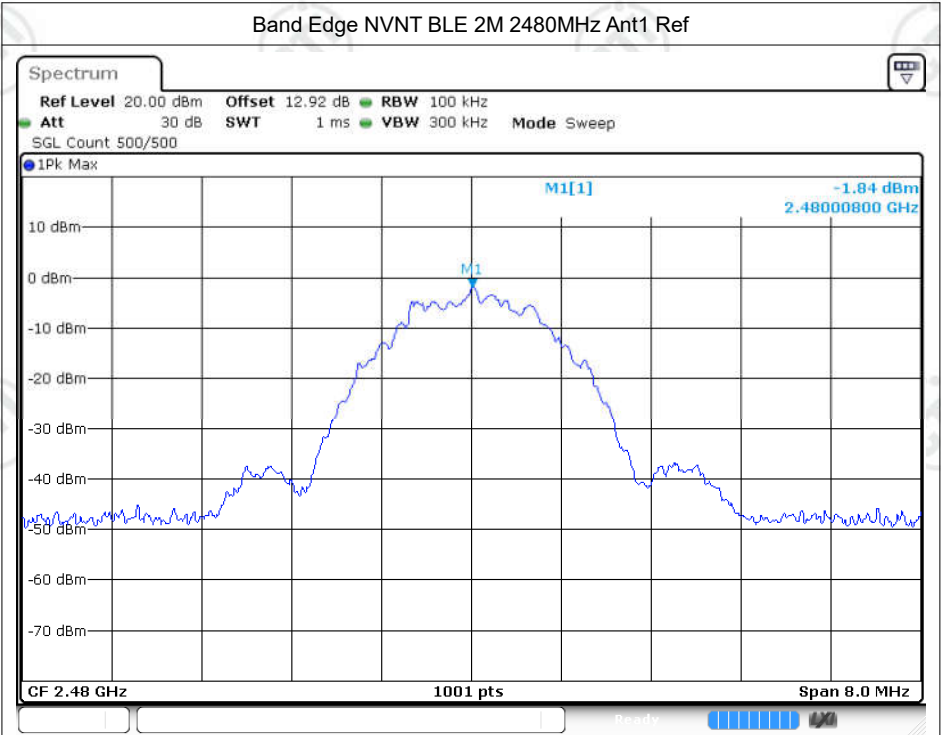
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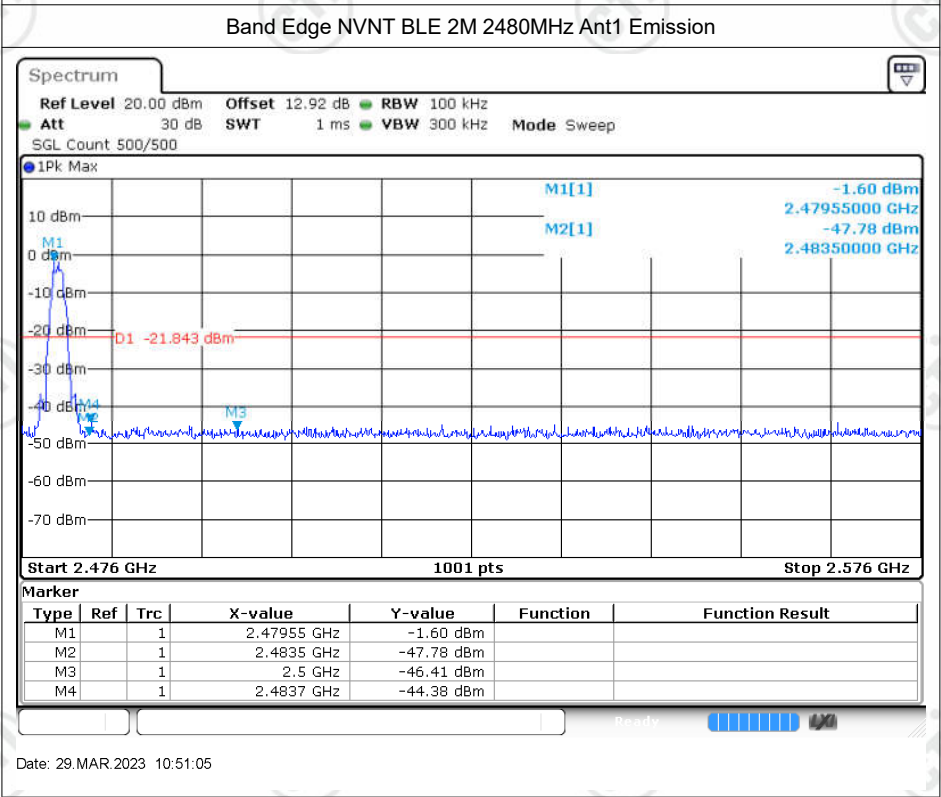
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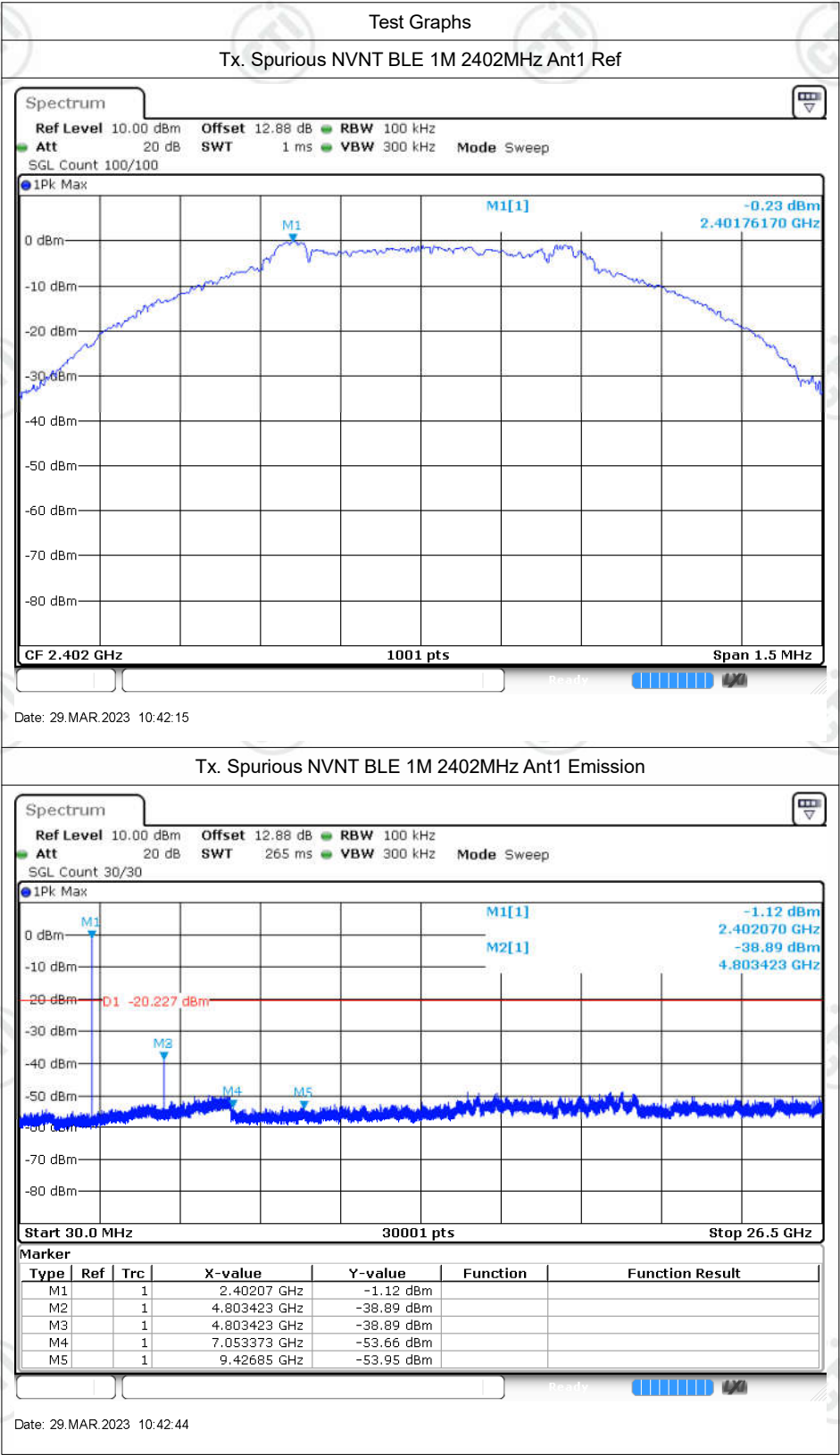
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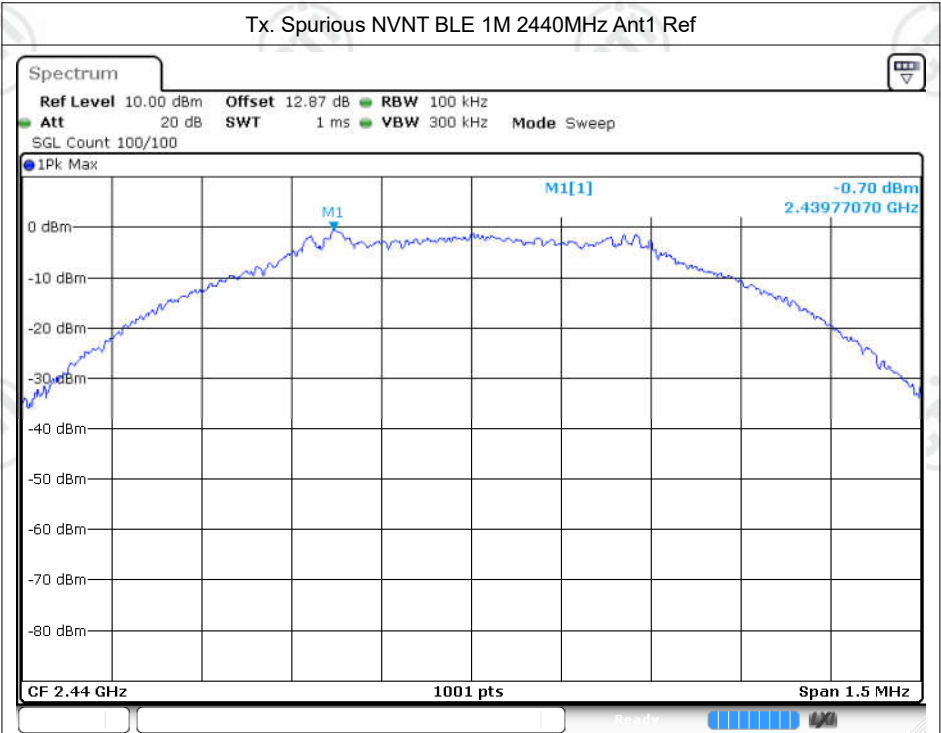


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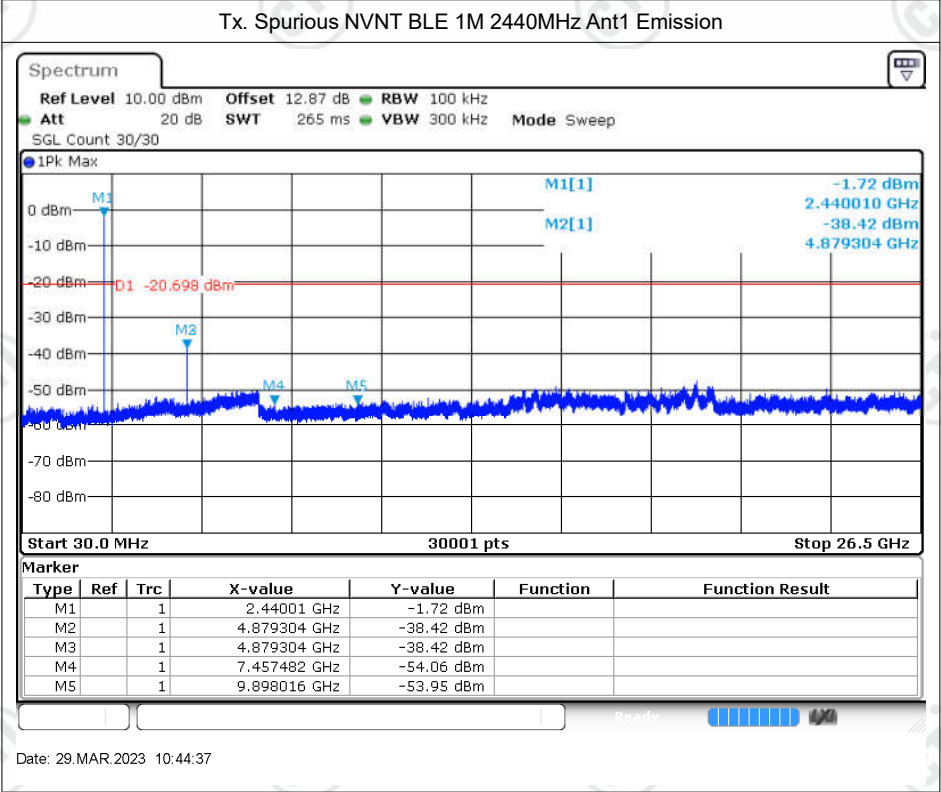
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-38.65	-20	Pass
NVNT	BLE 1M	2440	Ant1	-37.72	-20	Pass
NVNT	BLE 1M	2480	Ant1	-37.81	-20	Pass
NVNT	BLE 2M	2402	Ant1	-41.5	-20	Pass
NVNT	BLE 2M	2440	Ant1	-40.15	-20	Pass
NVNT	BLE 2M	2480	Ant1	-37.2	-20	Pass

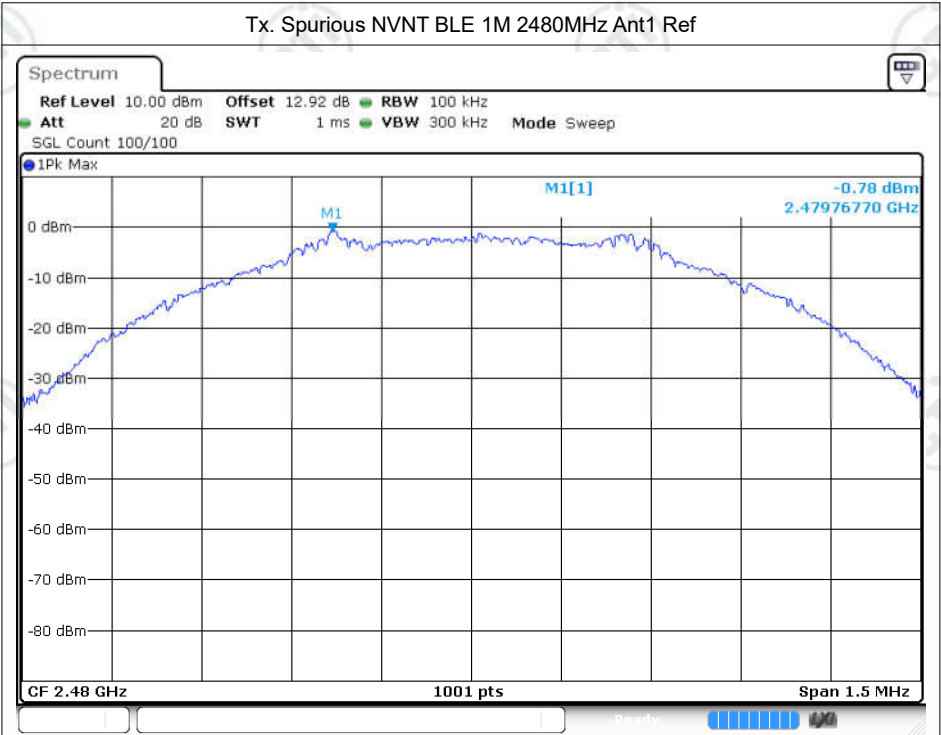




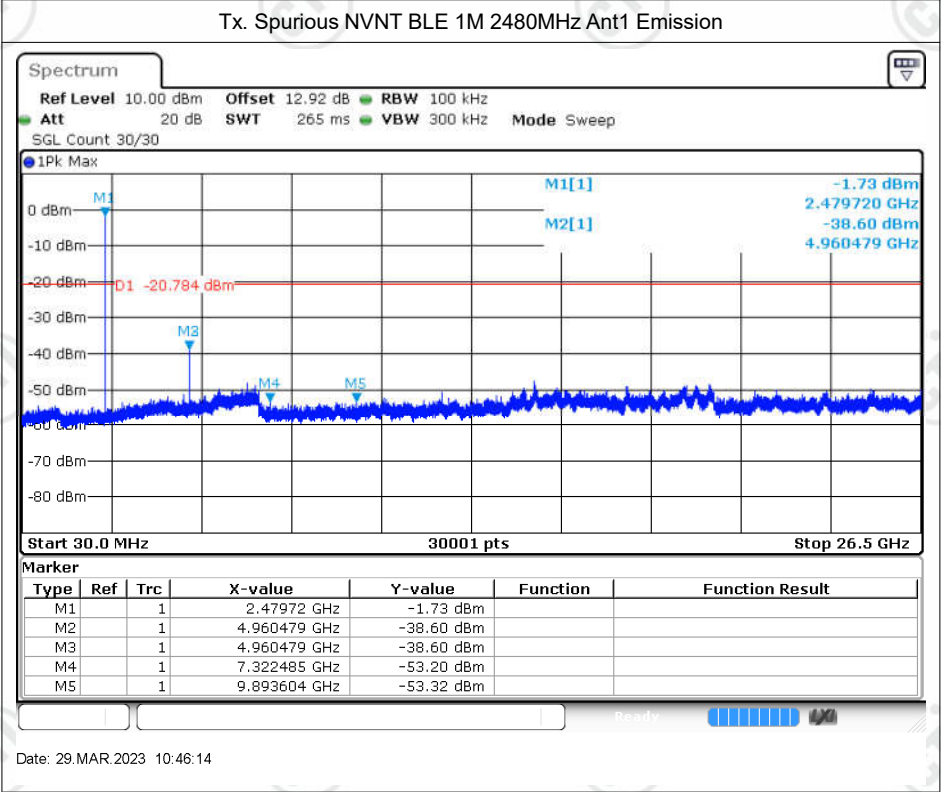
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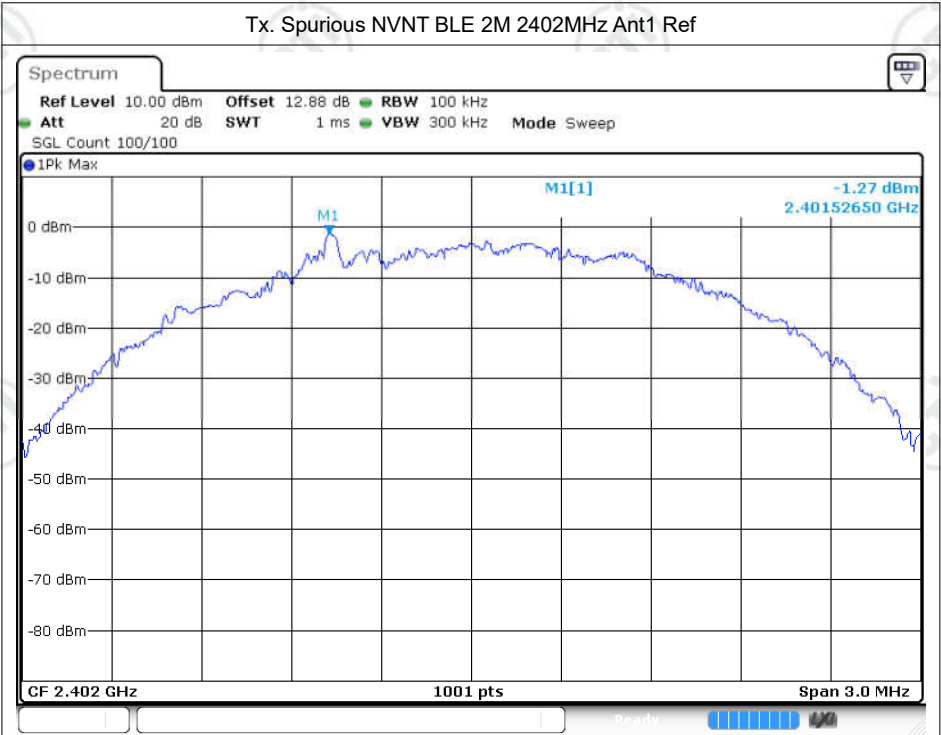
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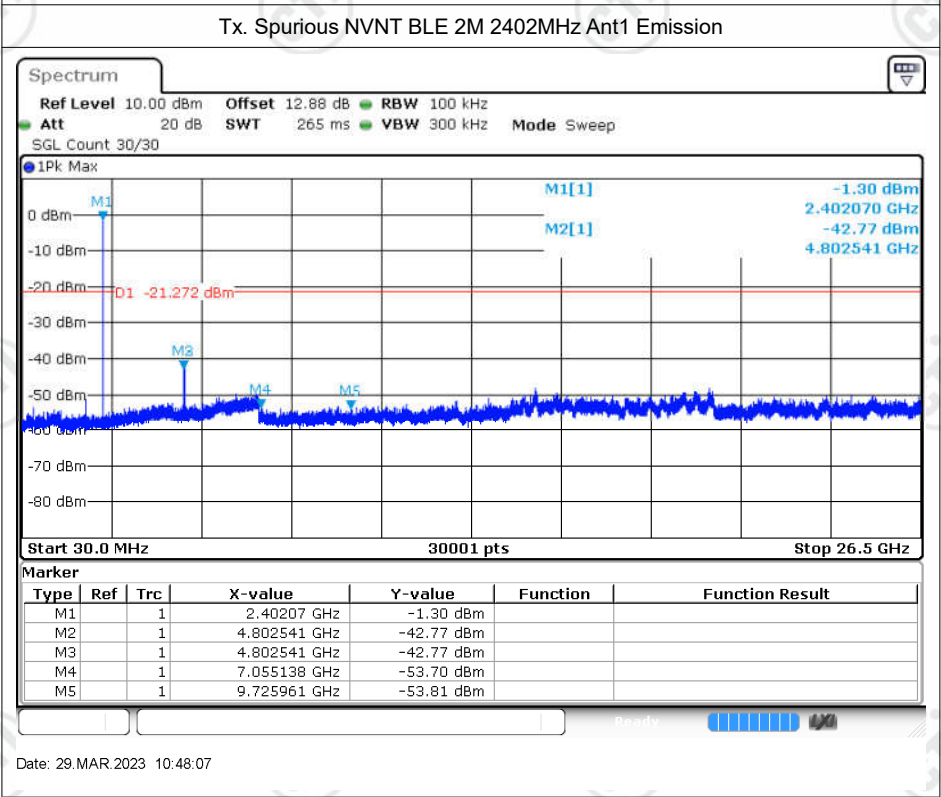
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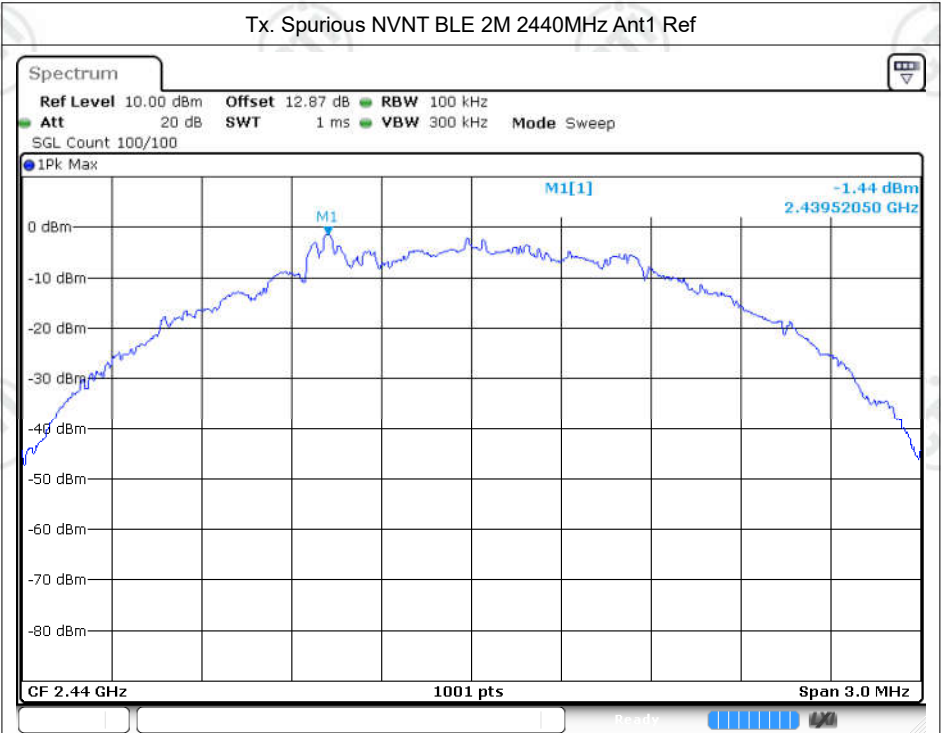
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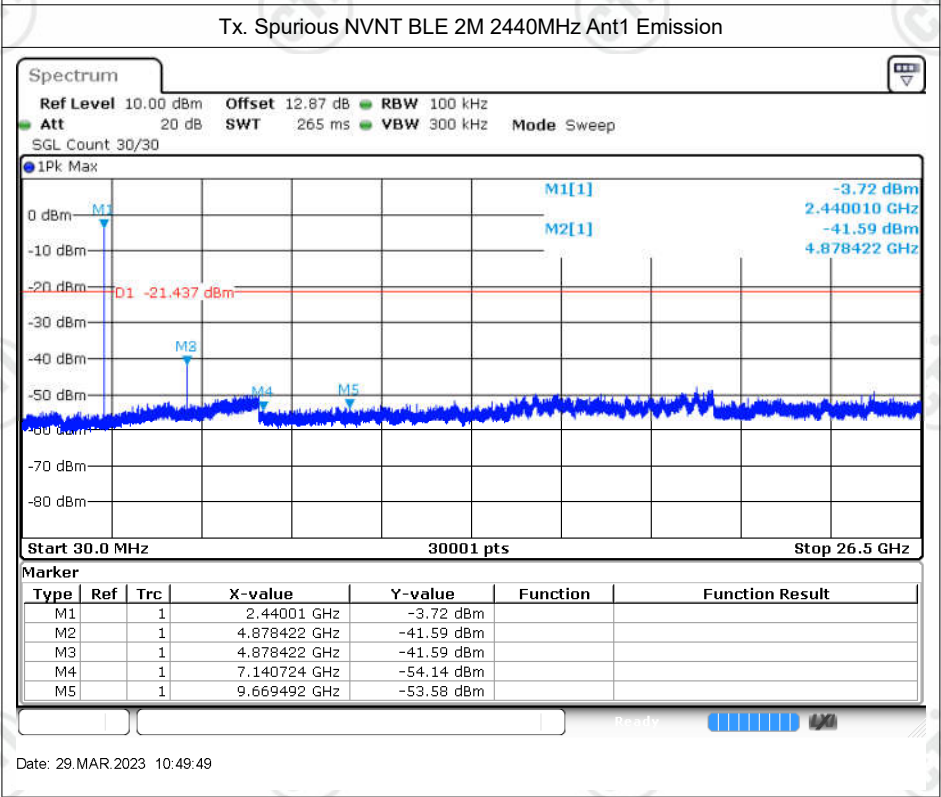
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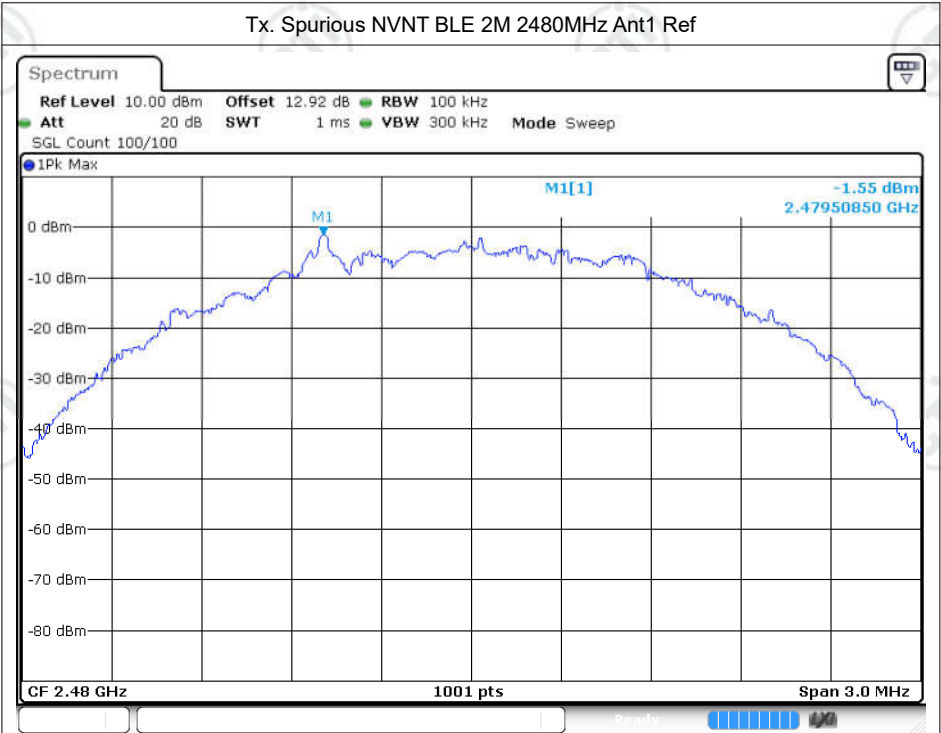
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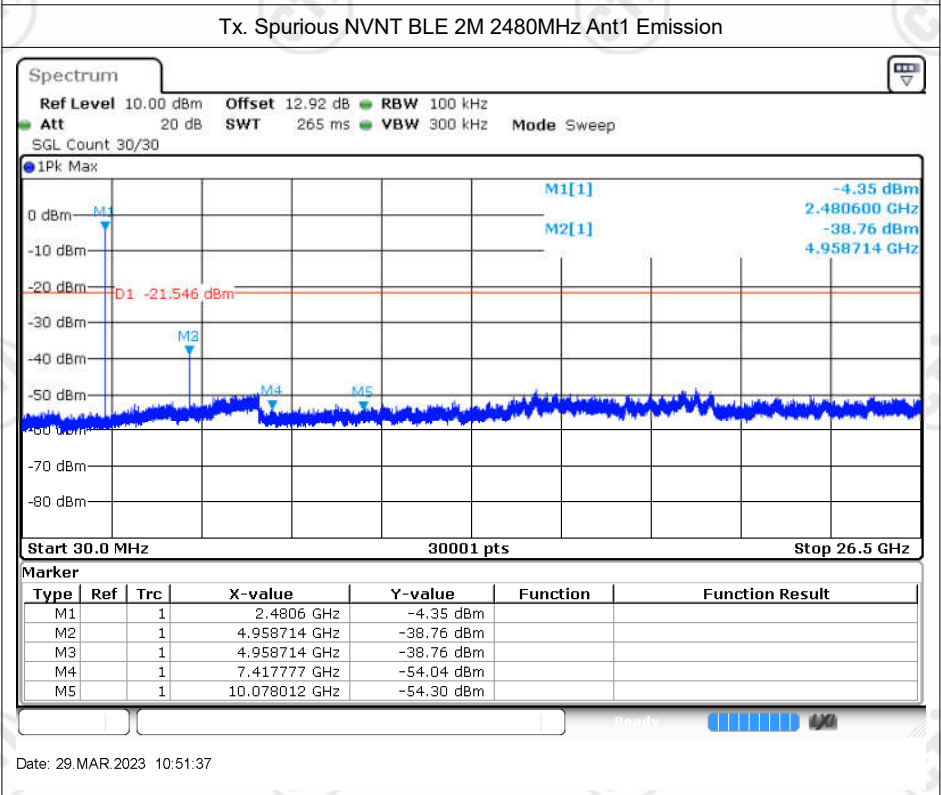
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Date: 29.MAR.2023 10:51:08



Date: 29.MAR.2023 10:51:37

*** End of Report ***