

Appendix: Bluetooth LE

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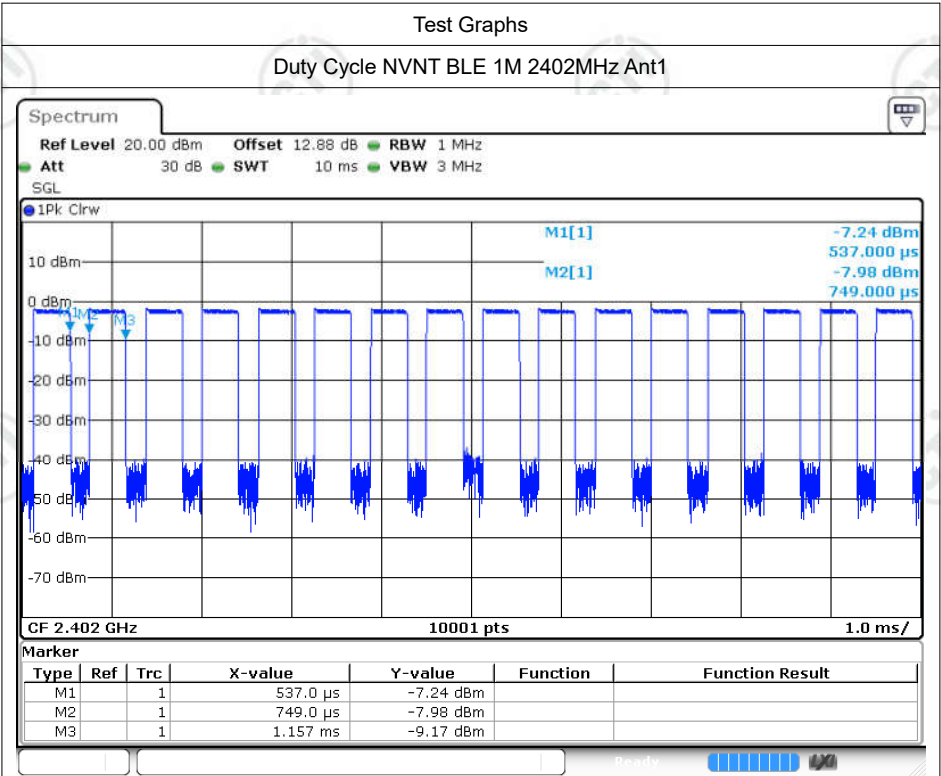
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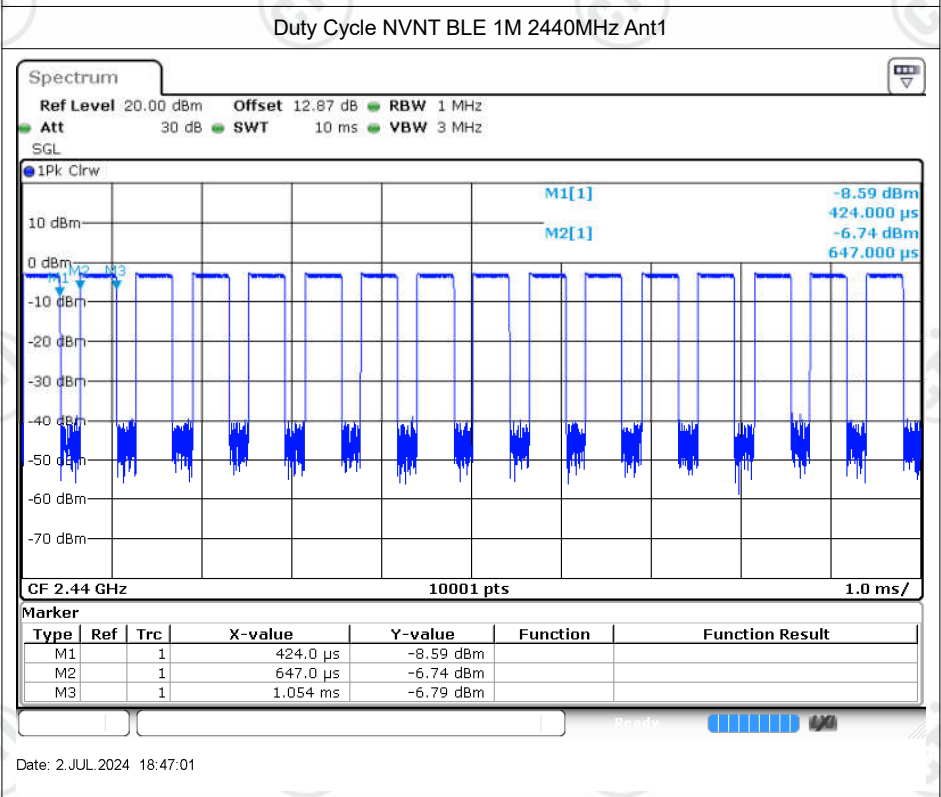
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Duty Cycle

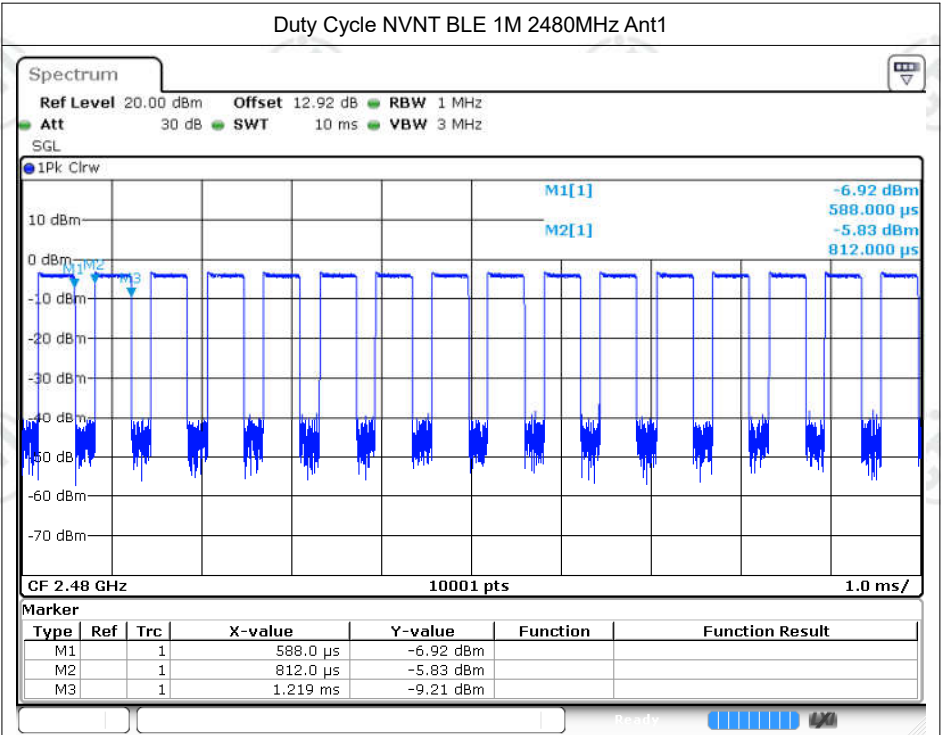
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	65.81	1.82	2.45
NVNT	BLE 1M	2440	Ant1	64.6	1.9	2.46
NVNT	BLE 1M	2480	Ant1	64.5	1.9	2.46
NVNT	BLE 2M	2402	Ant1	34.52	4.62	4.67
NVNT	BLE 2M	2440	Ant1	33.81	4.71	4.69
NVNT	BLE 2M	2480	Ant1	34.41	4.63	4.69



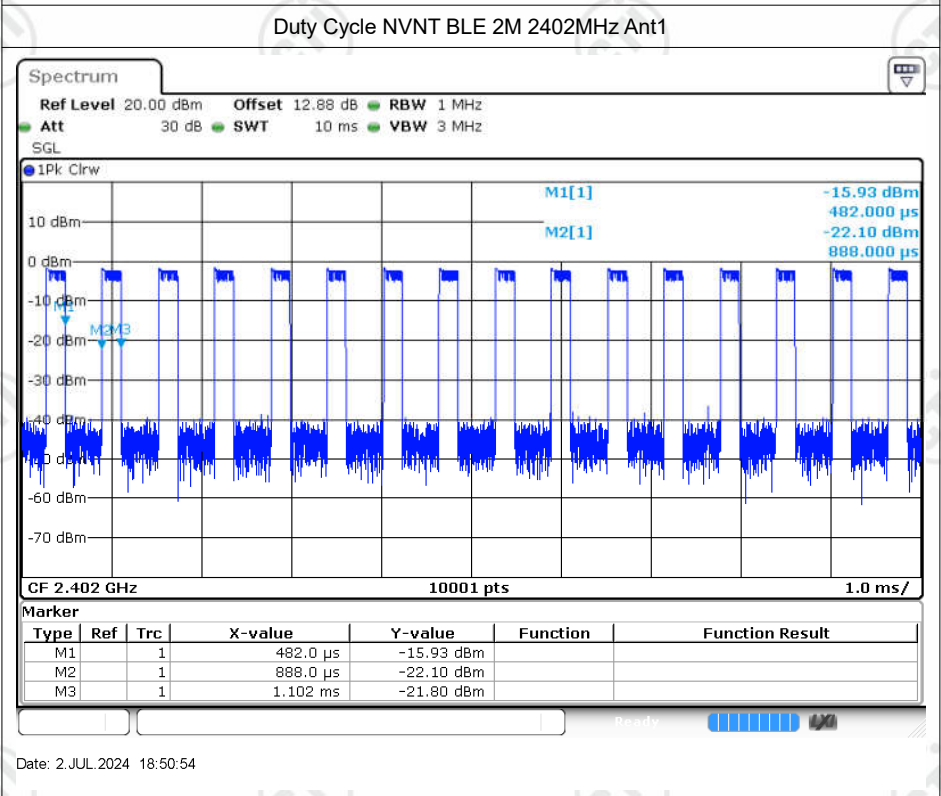
Date: 2 JUL 2024 18:44:41



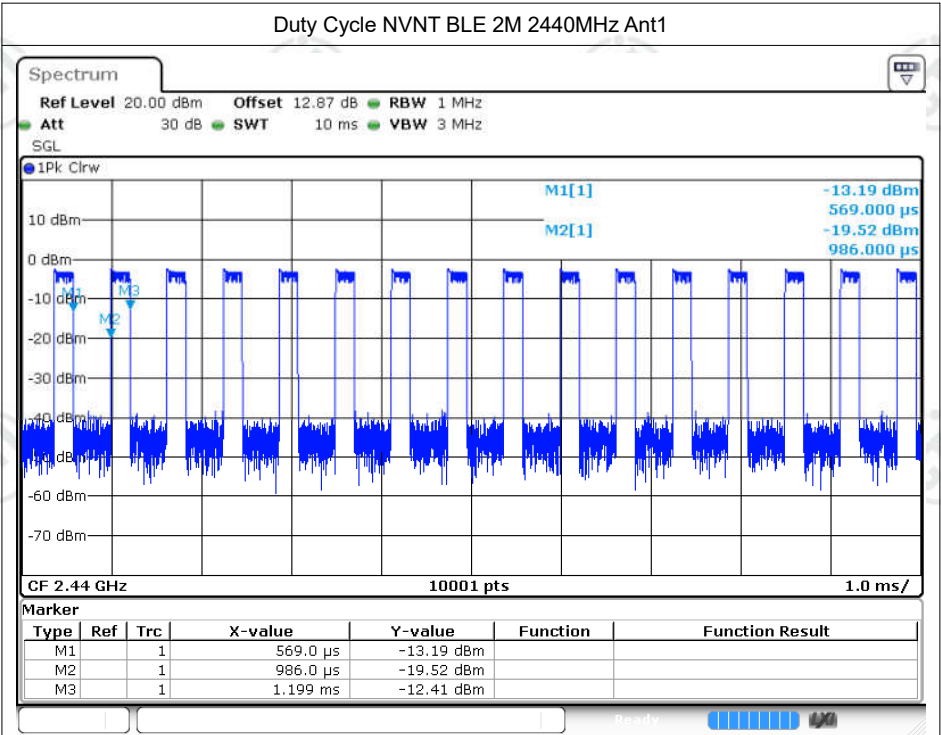
Date: 2 JUL 2024 18:47:01



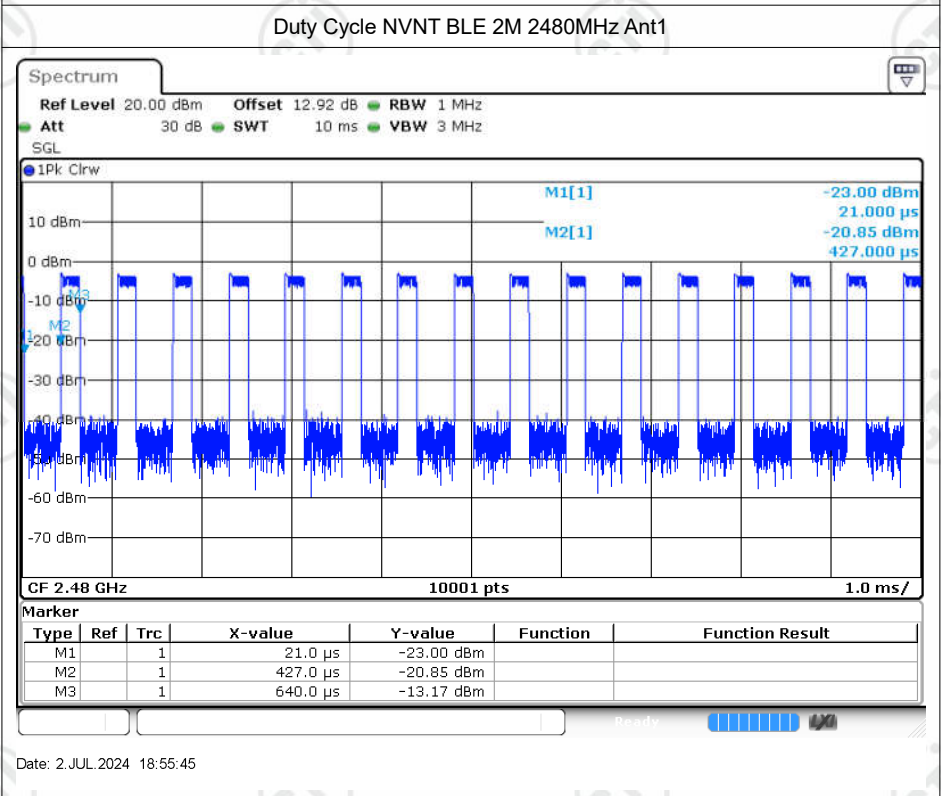
Date: 2 JUL 2024 18:48:47



Date: 2 JUL 2024 18:50:54



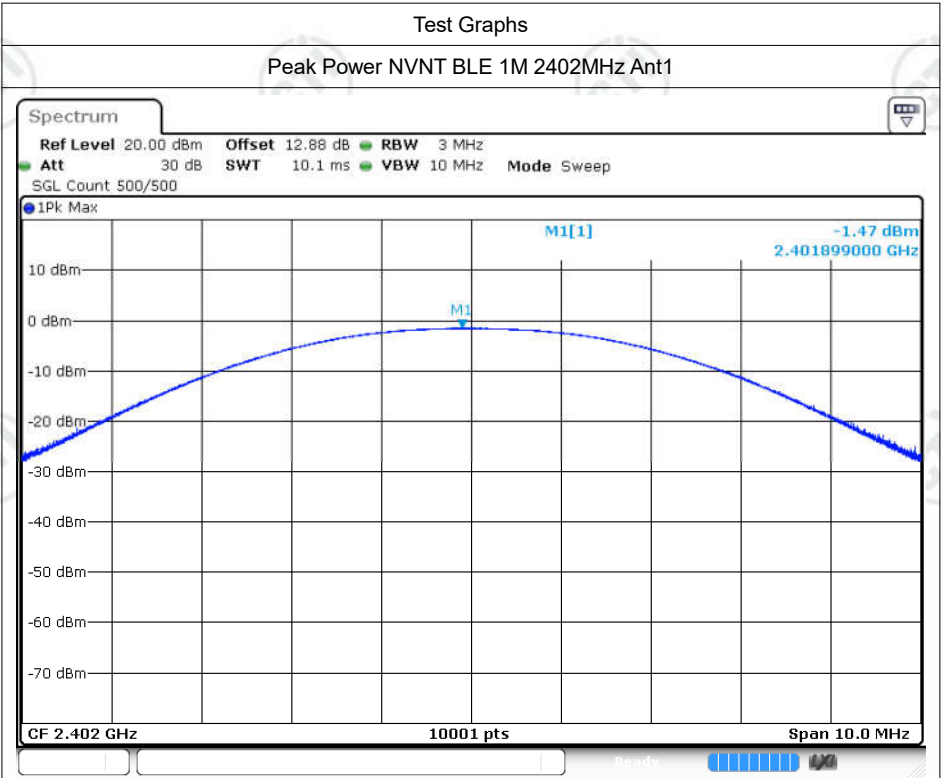
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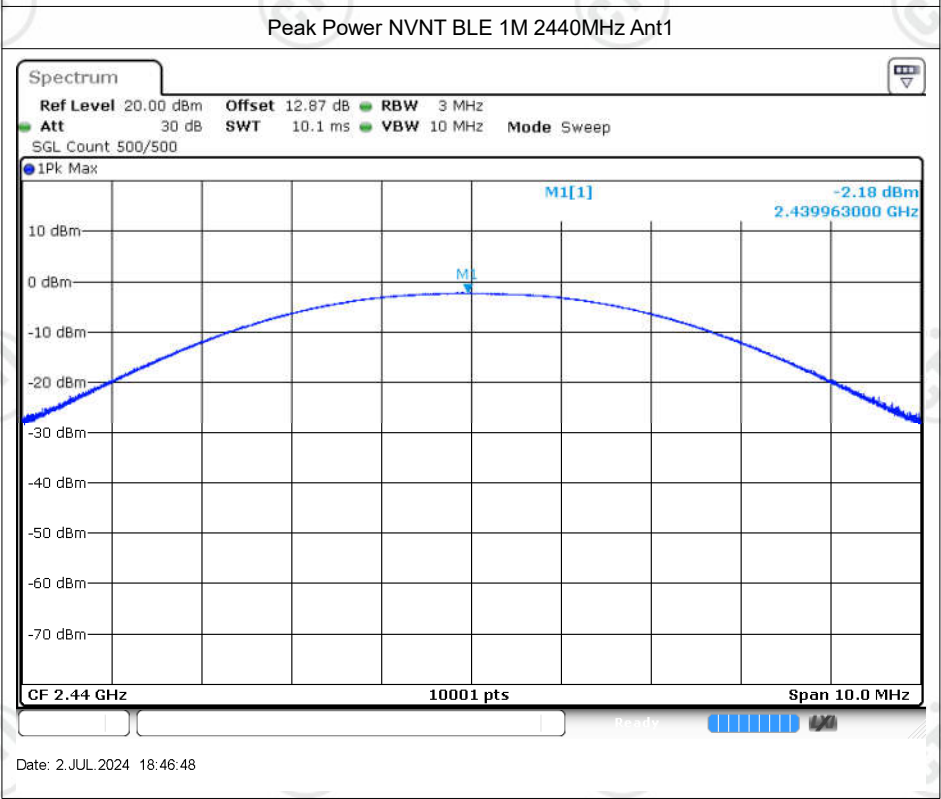
Date: 2.JUL.2024 18:55:45

Maximum Peak Conducted Output Power

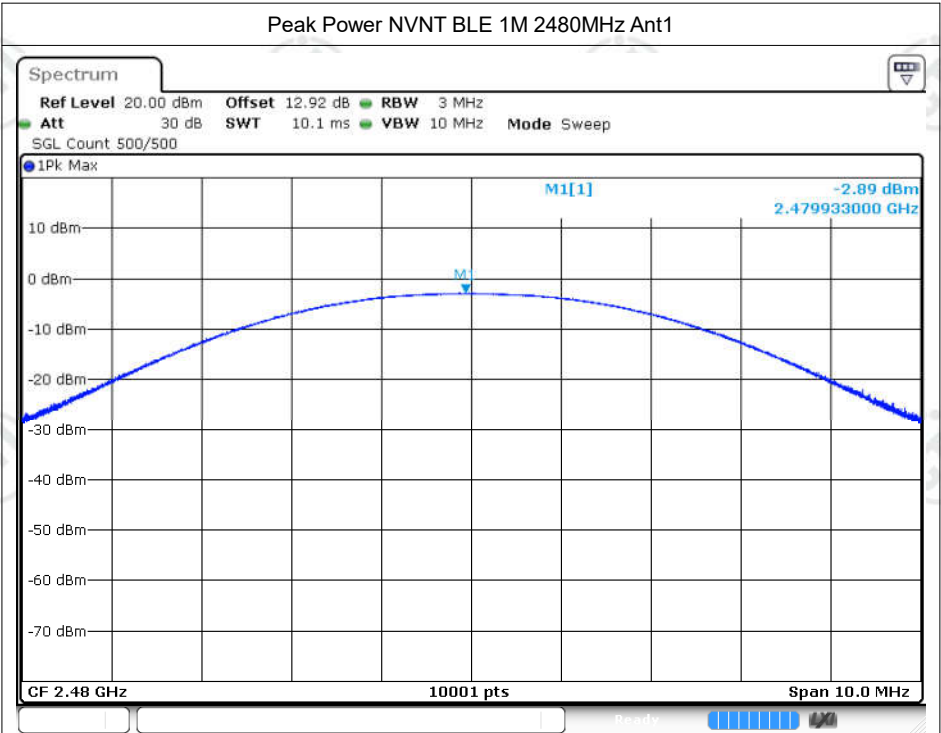
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.47	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.18	30	Pass
NVNT	BLE 1M	2480	Ant1	-2.89	30	Pass
NVNT	BLE 2M	2402	Ant1	-1.3	30	Pass
NVNT	BLE 2M	2440	Ant1	-2.05	30	Pass
NVNT	BLE 2M	2480	Ant1	-2.68	30	Pass



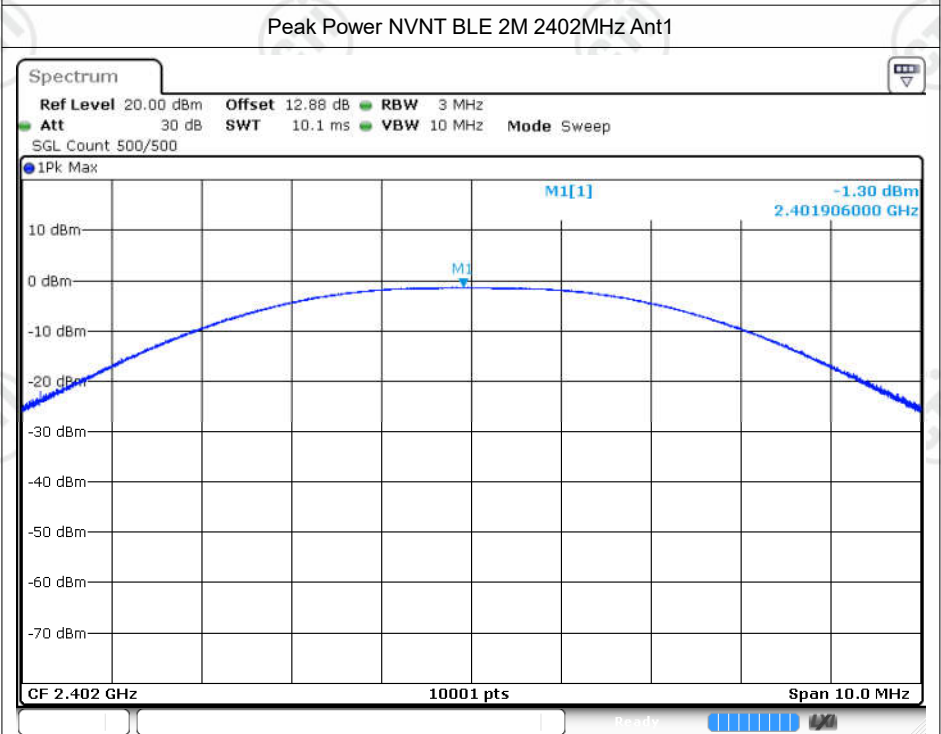
Date: 2 JUL 2024 18:44:35



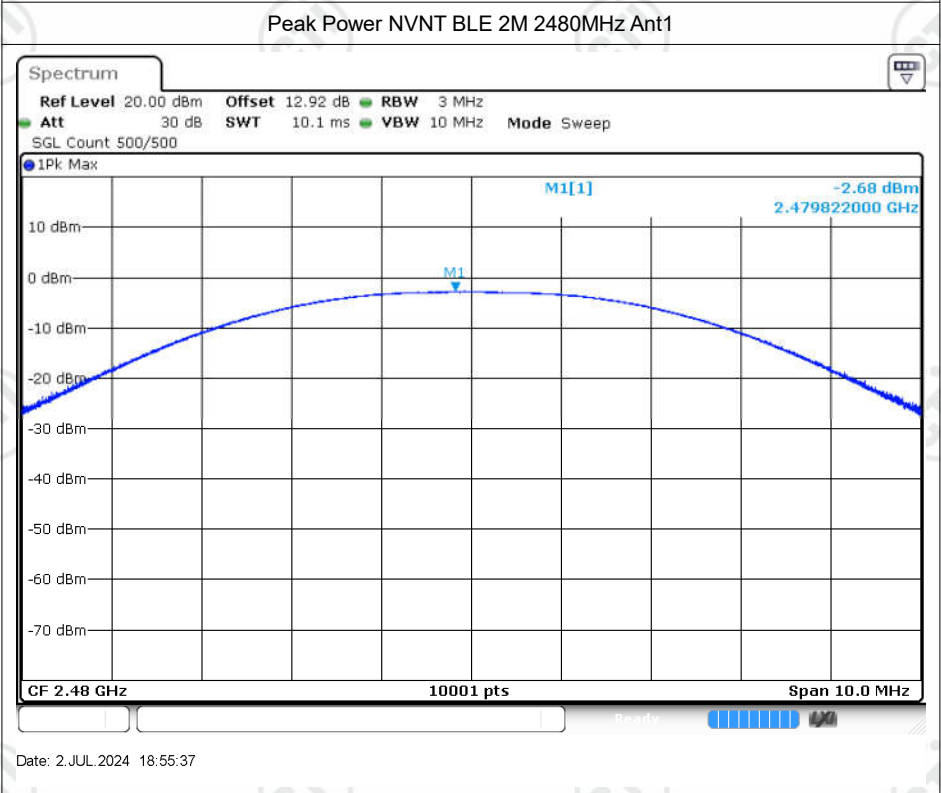
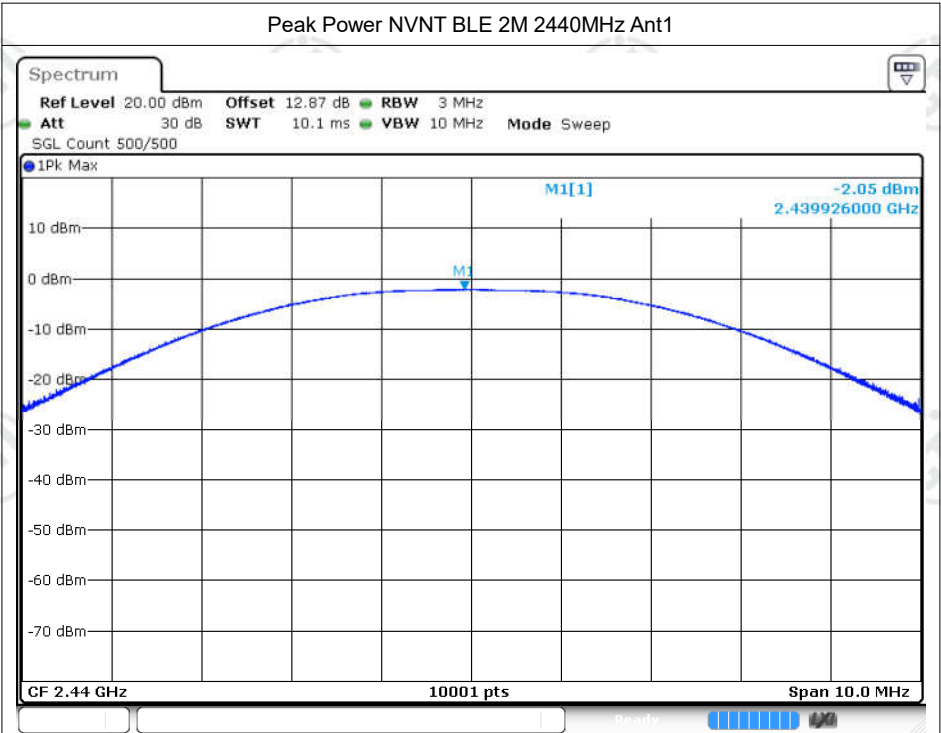
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Date: 2 JUL 2024 18:48:38

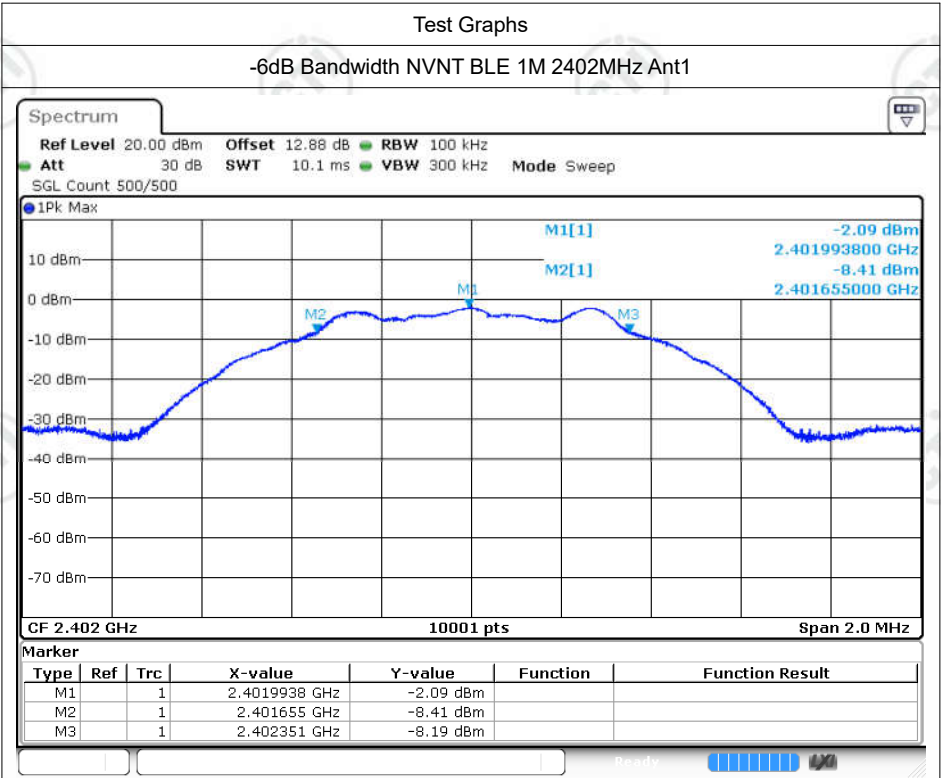


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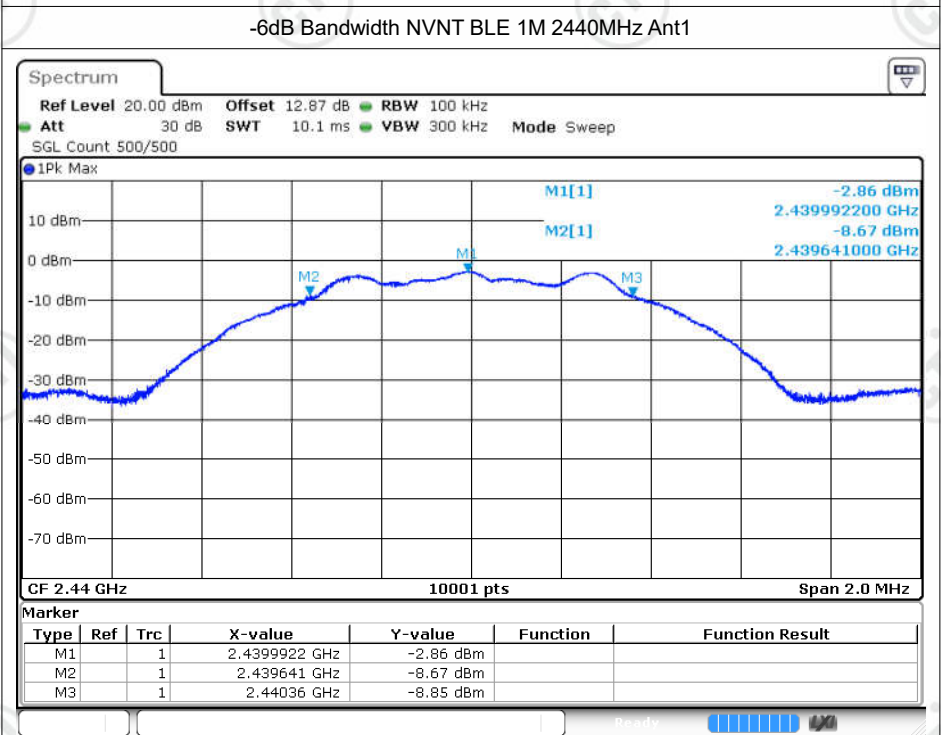


-6dB Bandwidth

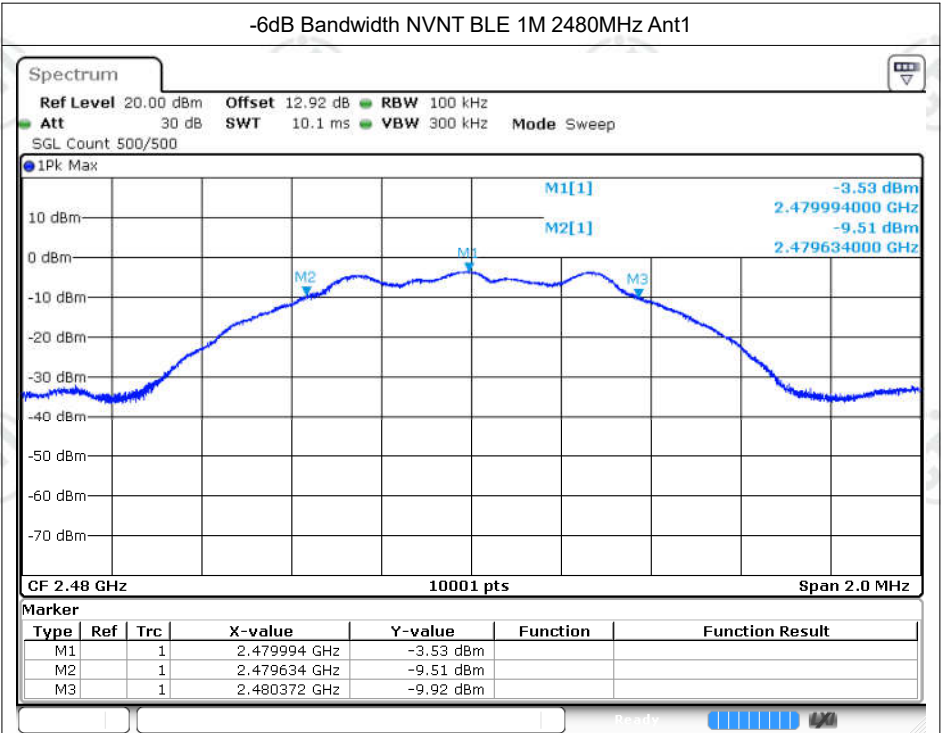
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.696	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.719	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.738	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.149	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.146	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.139	0.5	Pass



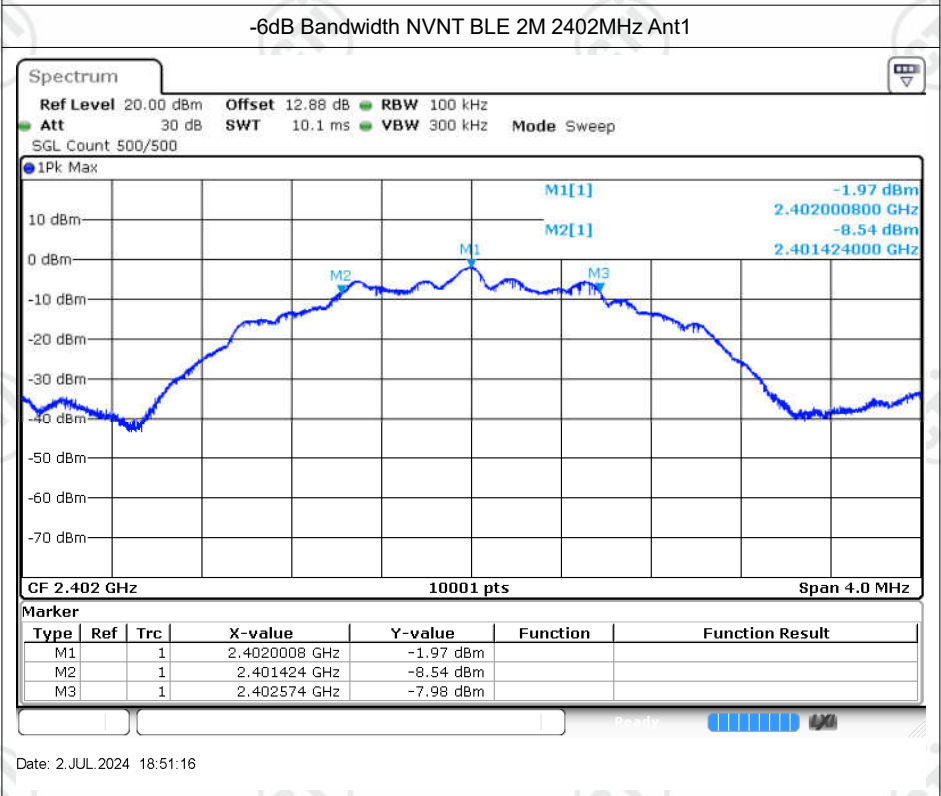
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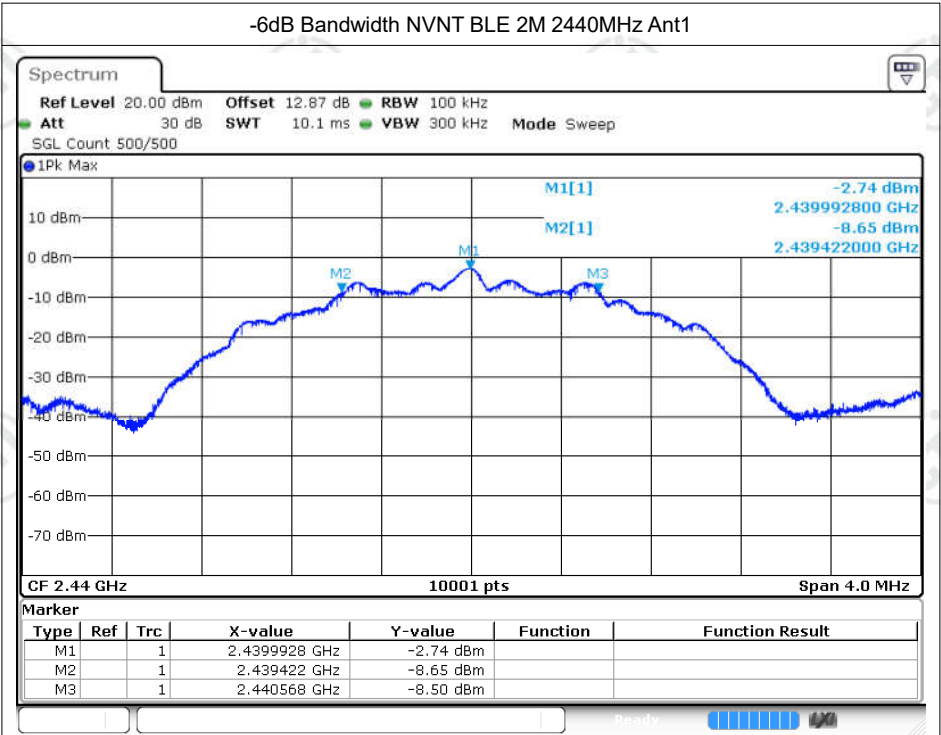
Date: 2 JUL 2024 18:47:24



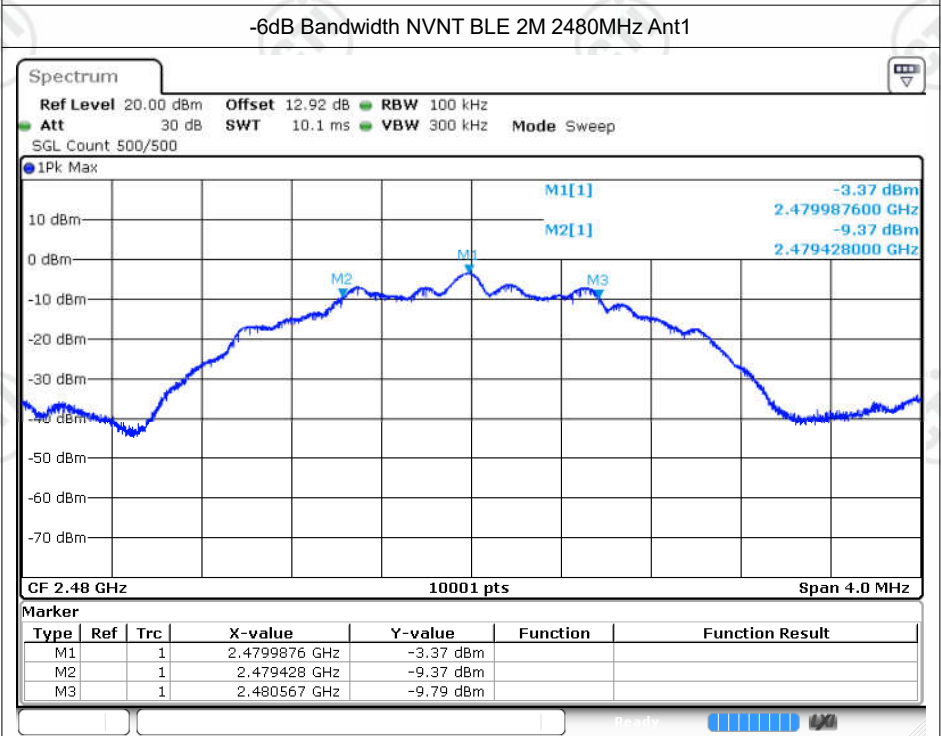
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Date: 2 JUL 2024 18:51:16



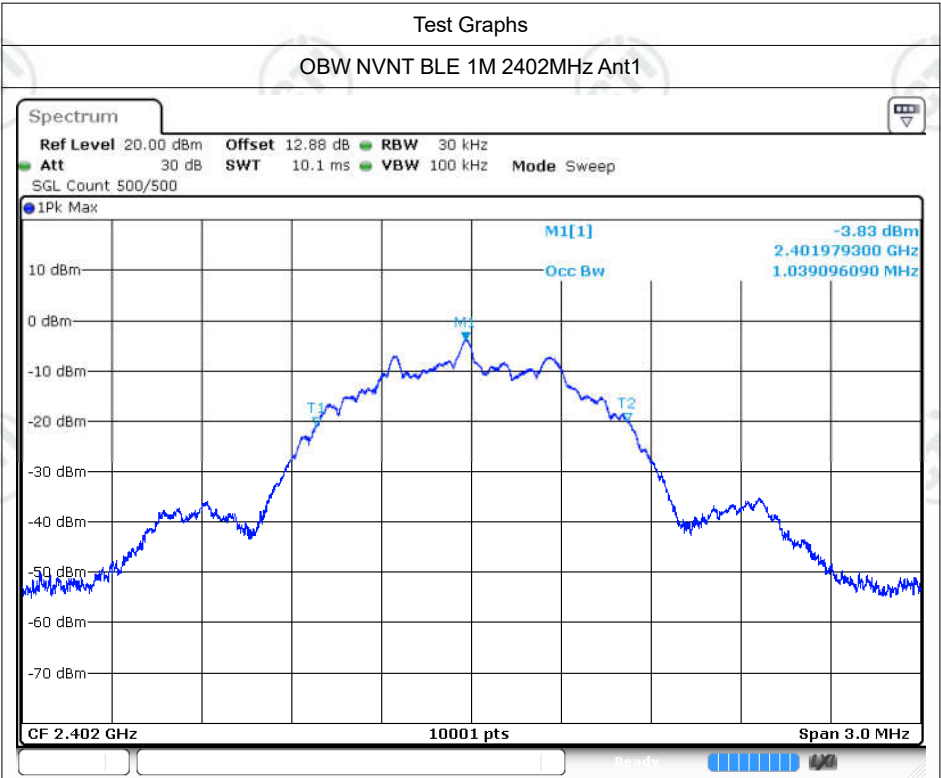
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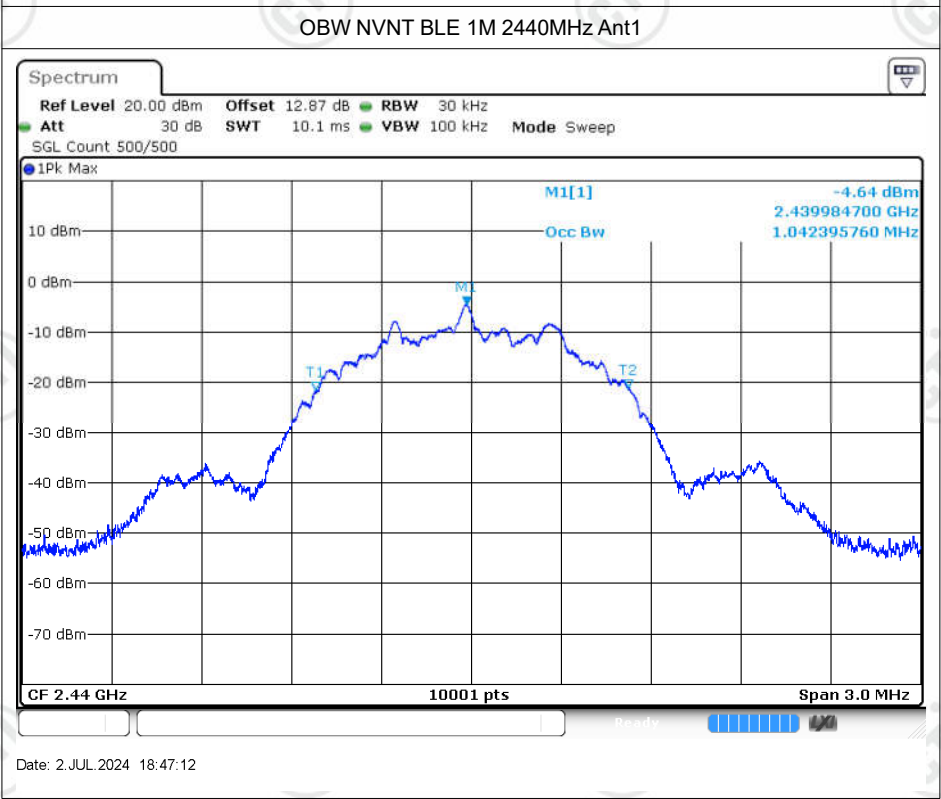
Date: 2 JUL 2024 18:56:07

Occupied Channel Bandwidth

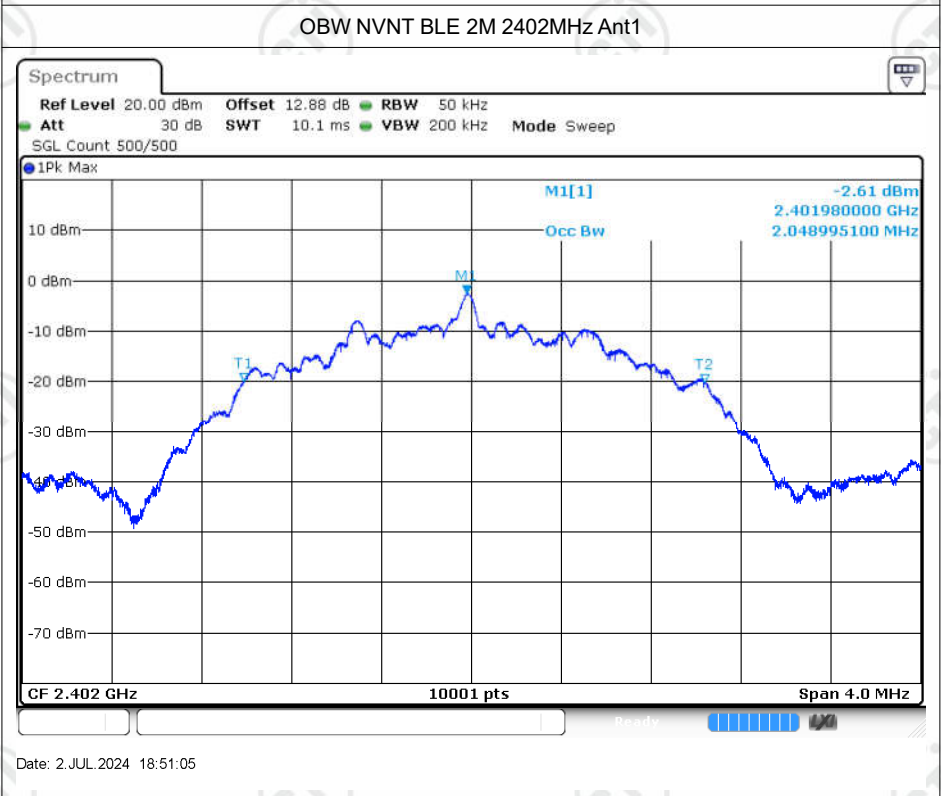
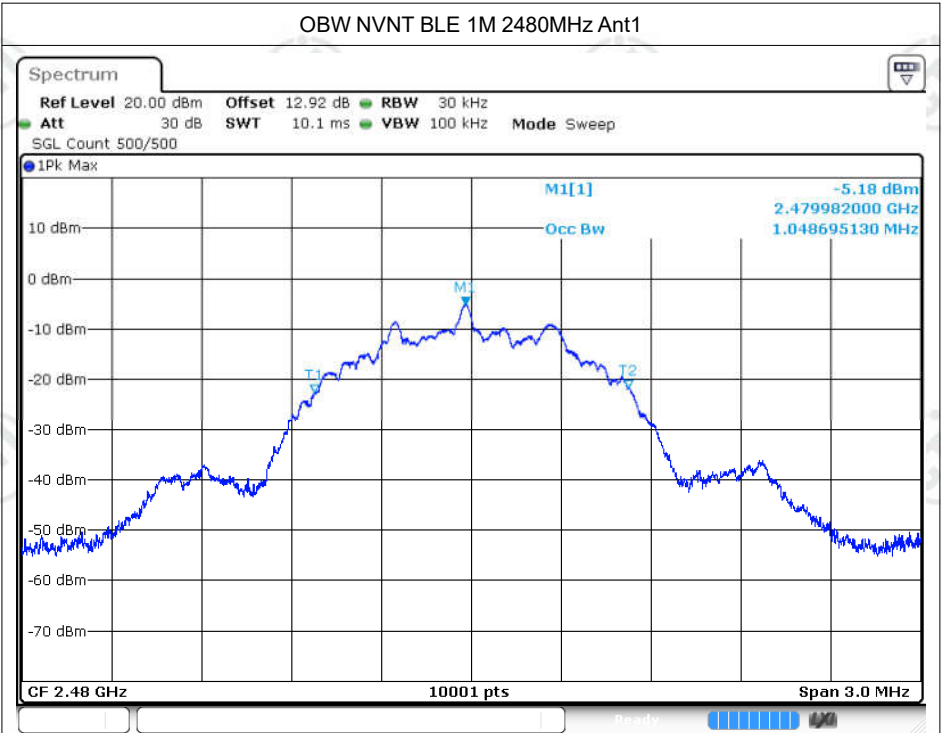
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.039
NVNT	BLE 1M	2440	Ant1	1.042
NVNT	BLE 1M	2480	Ant1	1.049
NVNT	BLE 2M	2402	Ant1	2.049
NVNT	BLE 2M	2440	Ant1	2.053
NVNT	BLE 2M	2480	Ant1	2.051

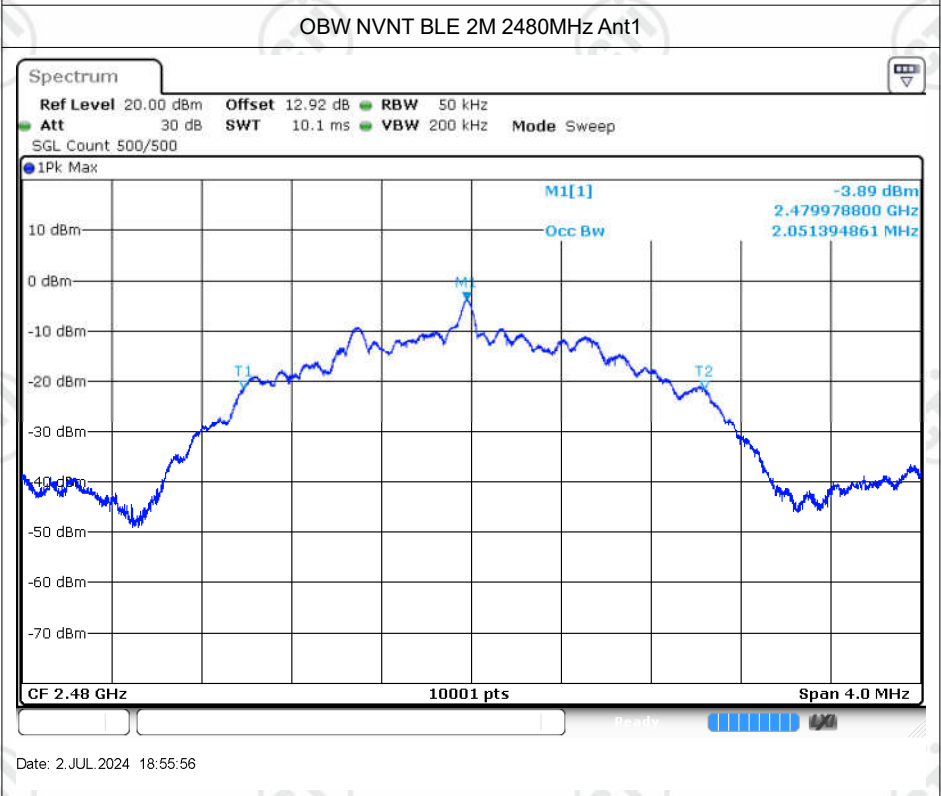
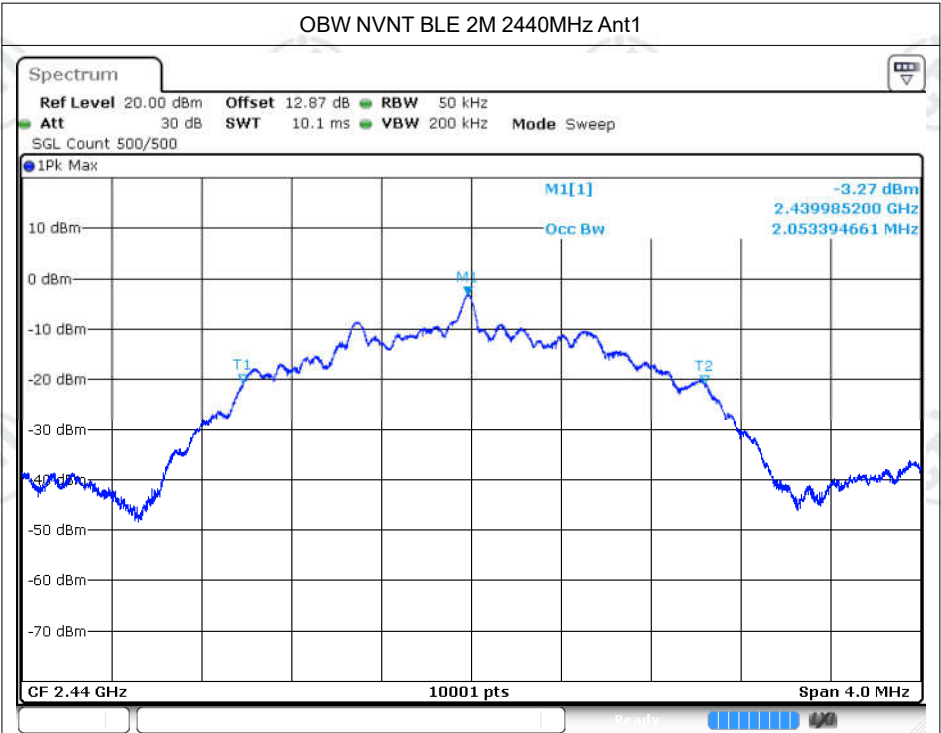


Date: 2 JUL 2024 19:00:11



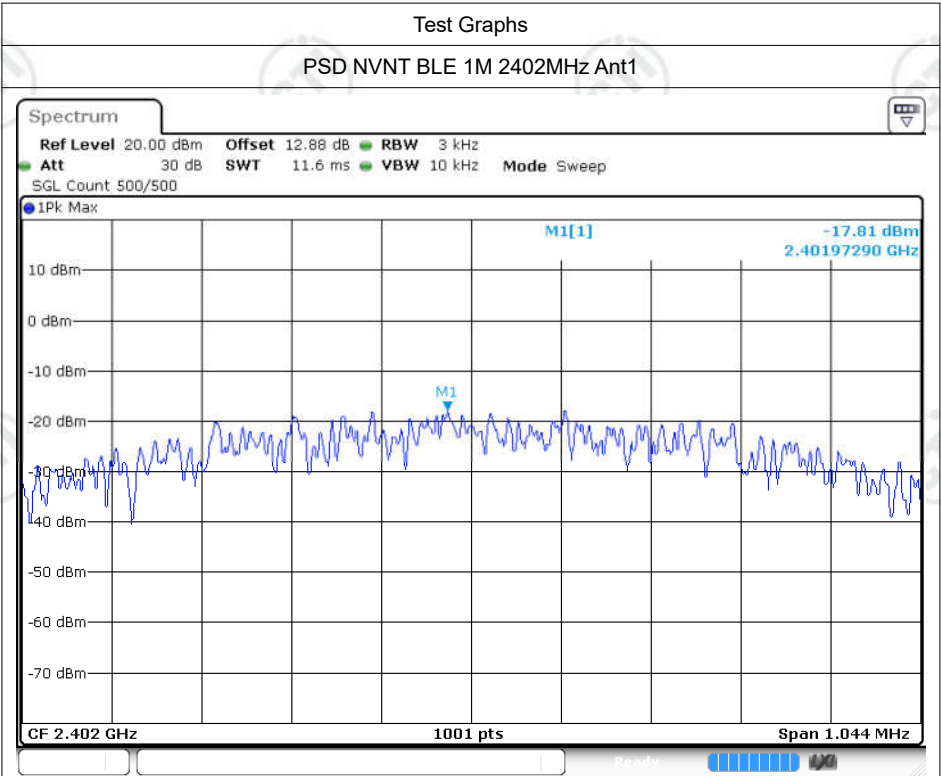
Date: 2 JUL 2024 18:47:12



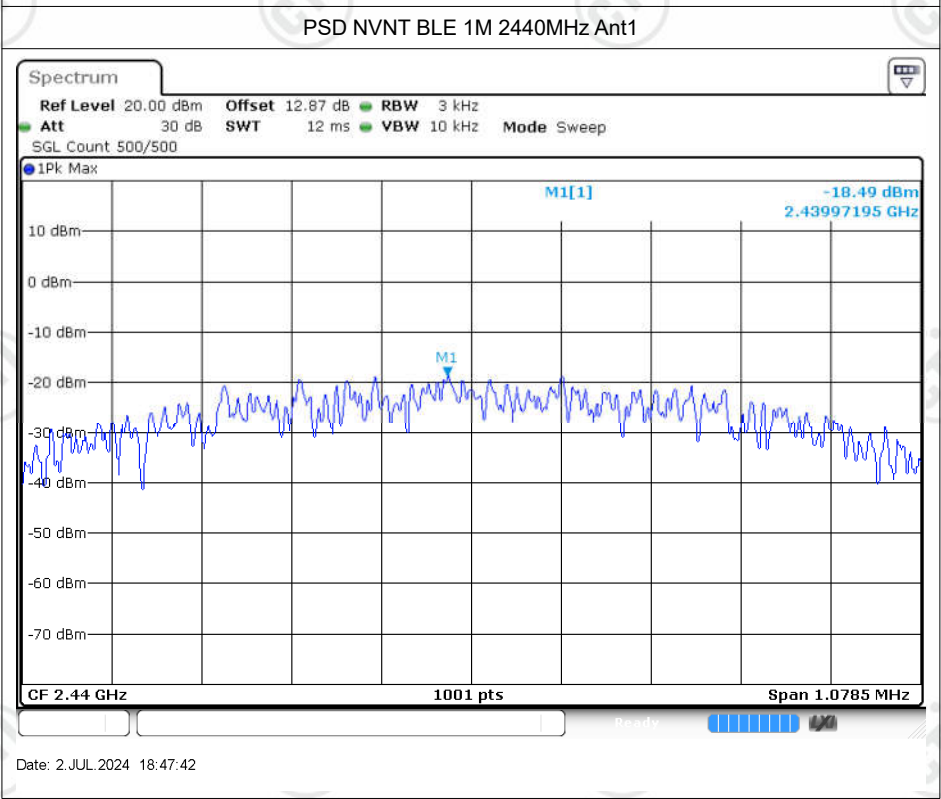


Maximum Power Spectral Density Level

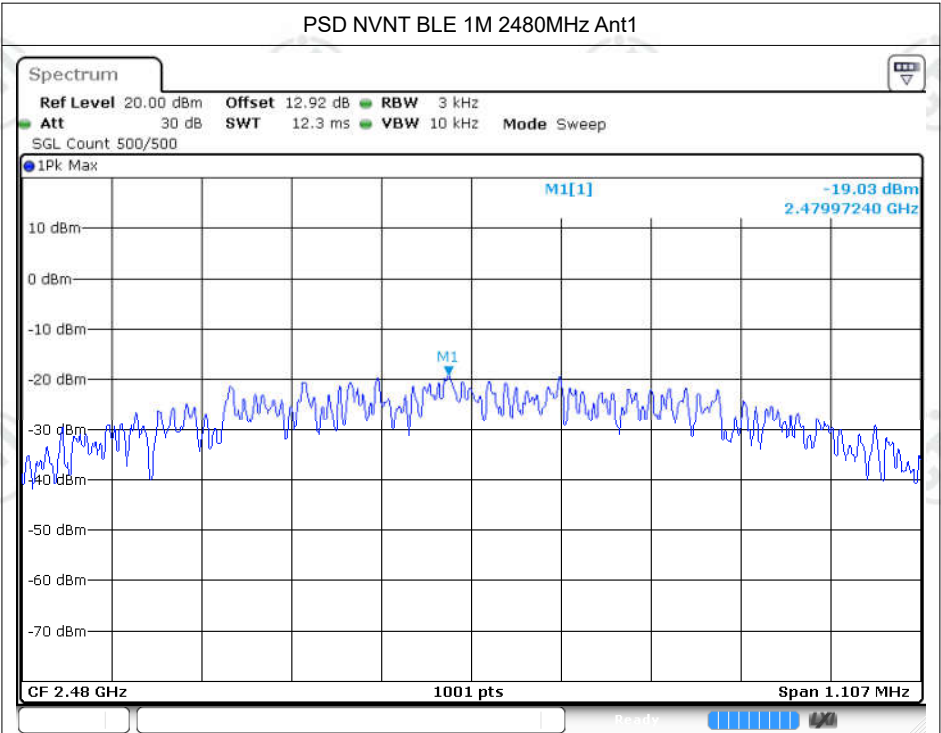
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-17.81	8	Pass
NVNT	BLE 1M	2440	Ant1	-18.49	8	Pass
NVNT	BLE 1M	2480	Ant1	-19.03	8	Pass
NVNT	BLE 2M	2402	Ant1	-19.05	8	Pass
NVNT	BLE 2M	2440	Ant1	-19.99	8	Pass
NVNT	BLE 2M	2480	Ant1	-20.33	8	Pass



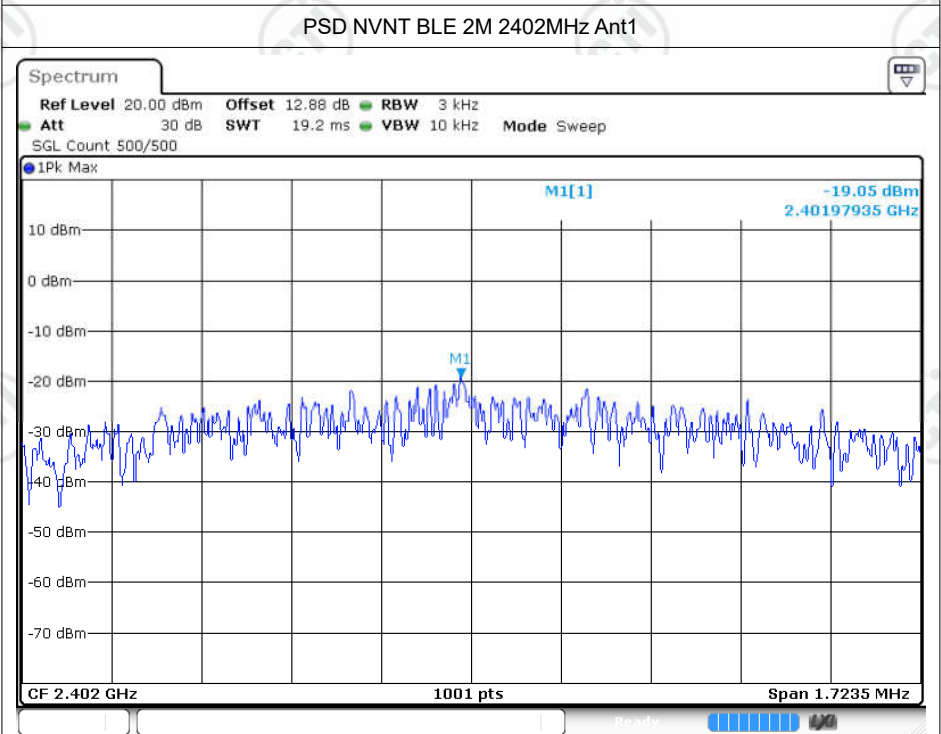
Date: 2 JUL 2024 18:45:36



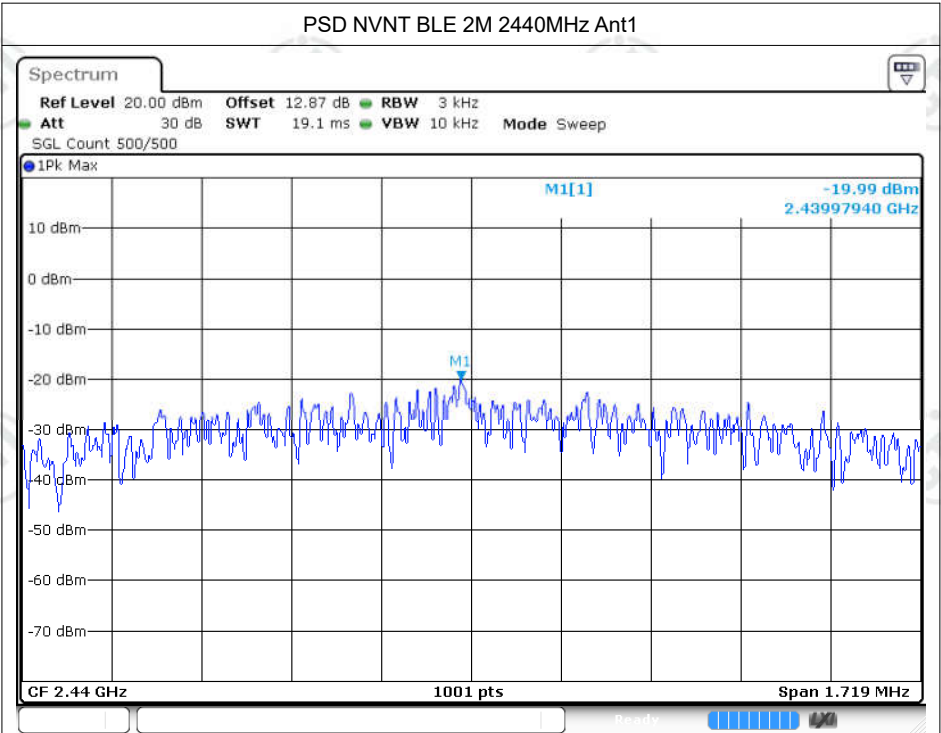
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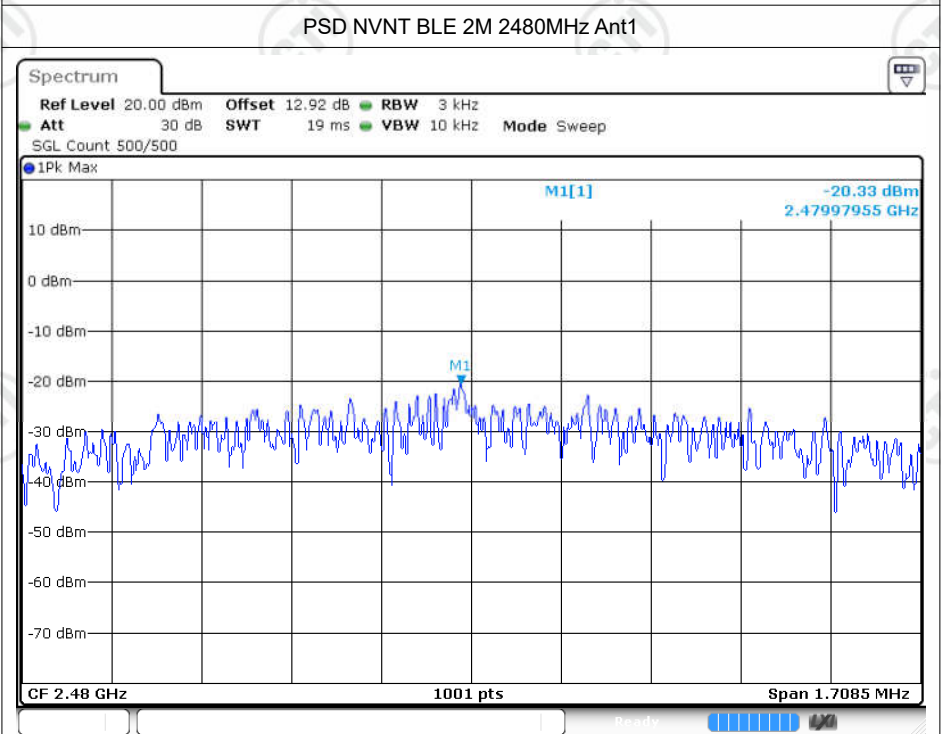
Date: 2.JUL.2024 18:49:28



Date: 2.JUL.2024 18:51:38



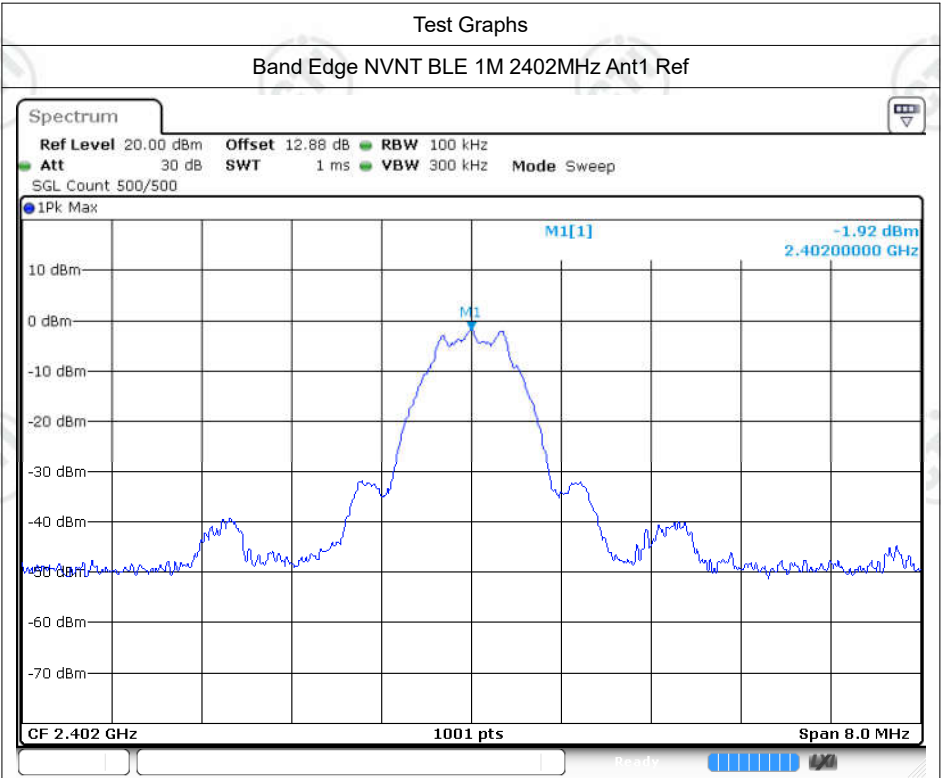
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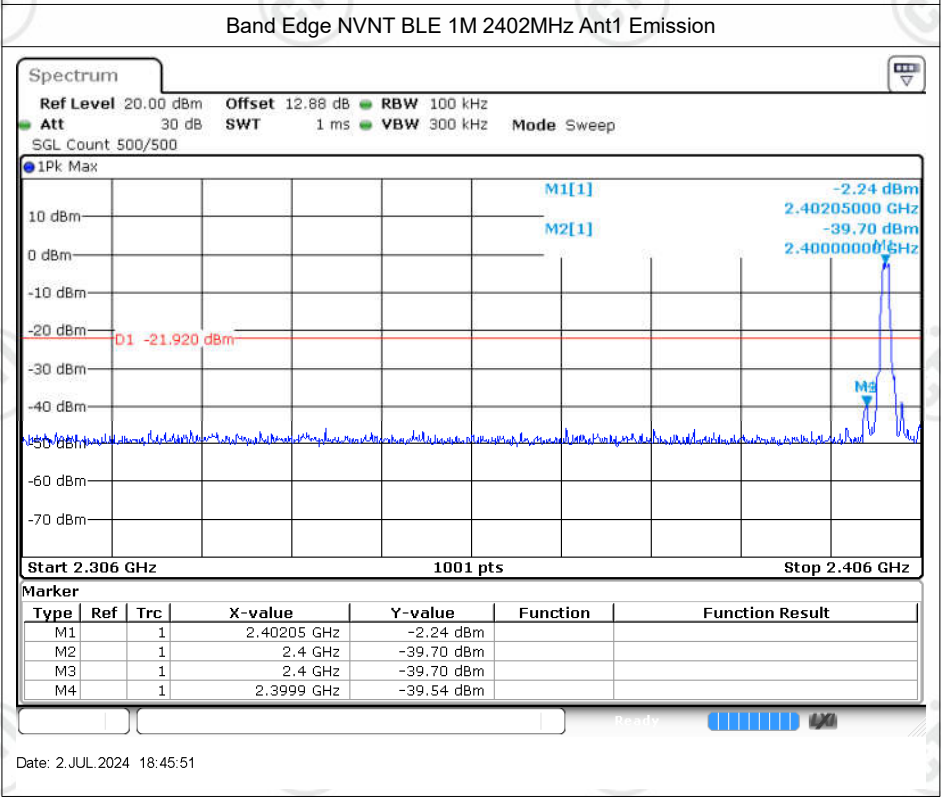
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Band Edge

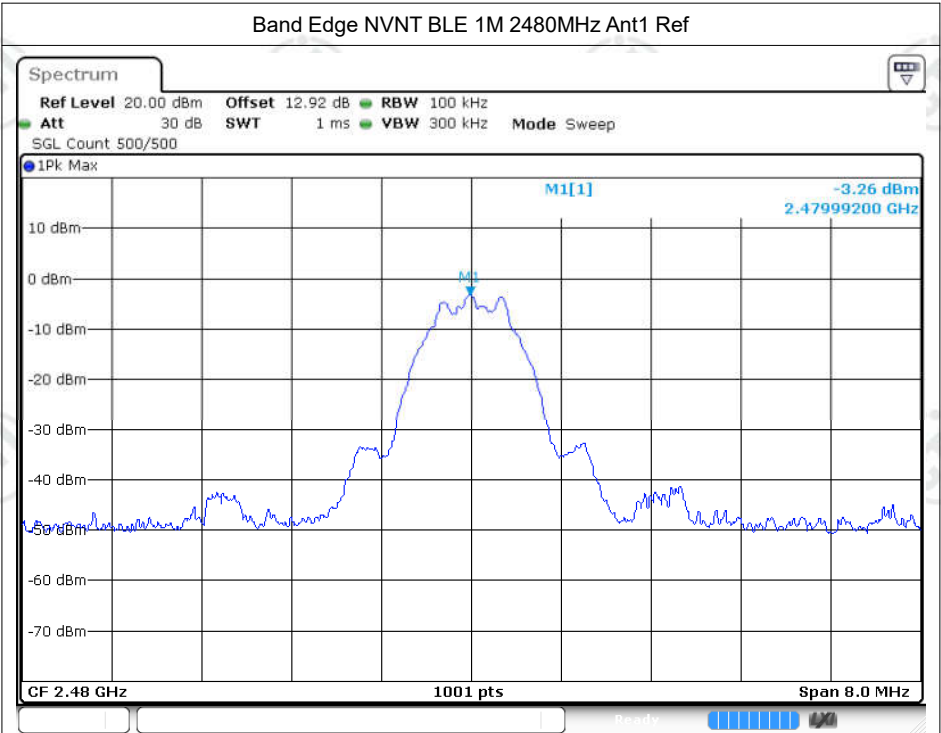
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-37.62	-20	Pass
NVNT	BLE 1M	2480	Ant1	-41.38	-20	Pass
NVNT	BLE 2M	2402	Ant1	-36.38	-20	Pass
NVNT	BLE 2M	2480	Ant1	-43.64	-20	Pass



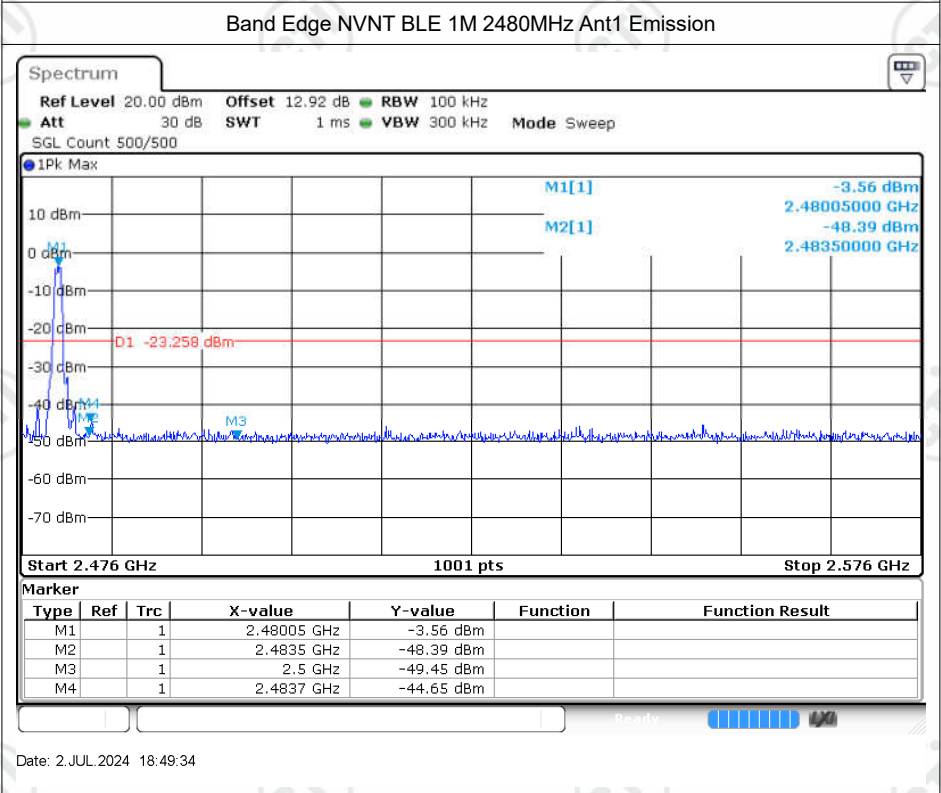
Date: 2 JUL 2024 18:45:48



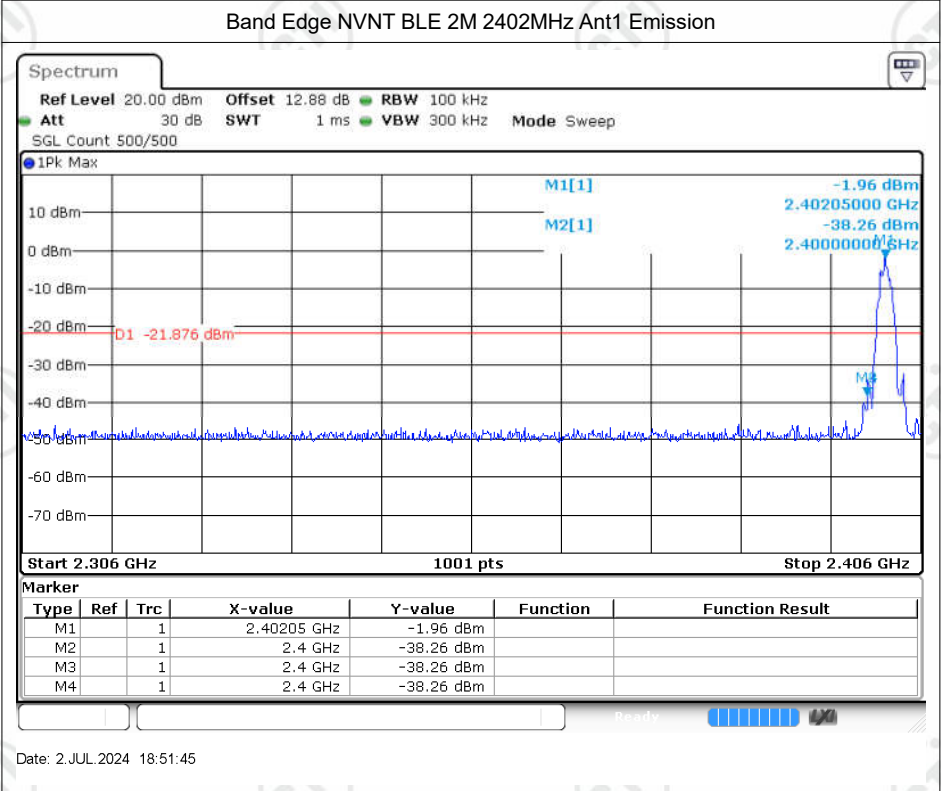
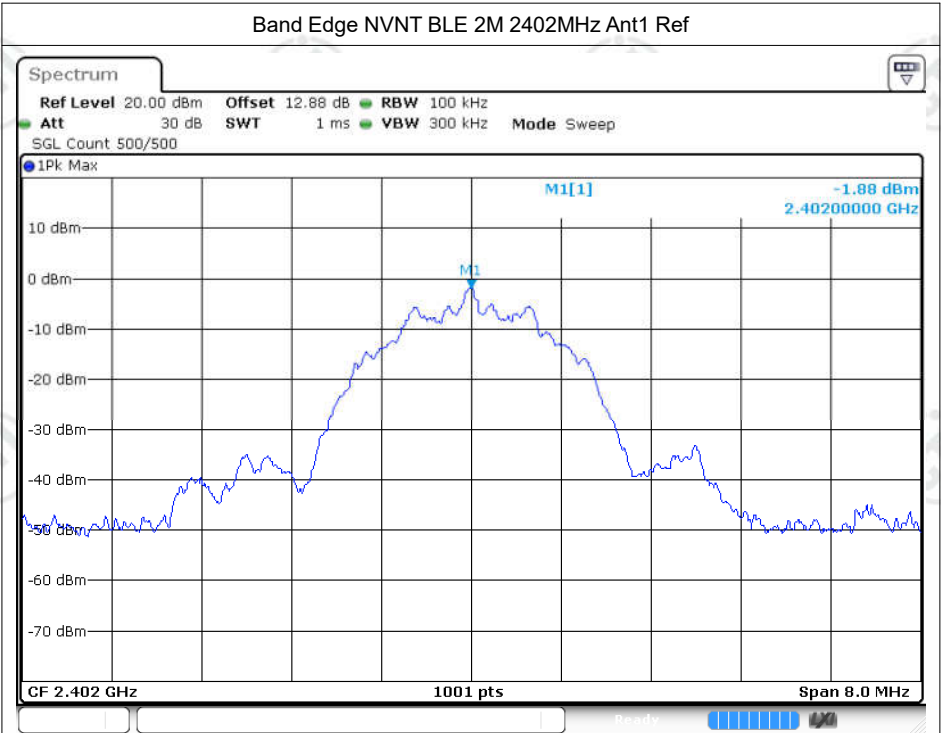
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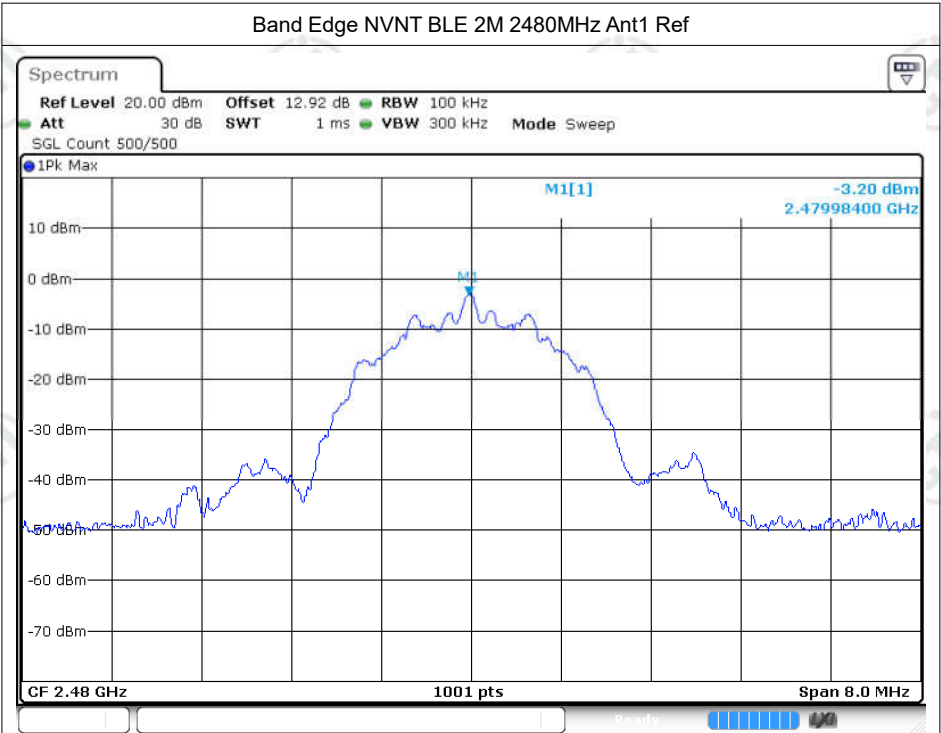


Date: 2 JUL 2024 18:49:31

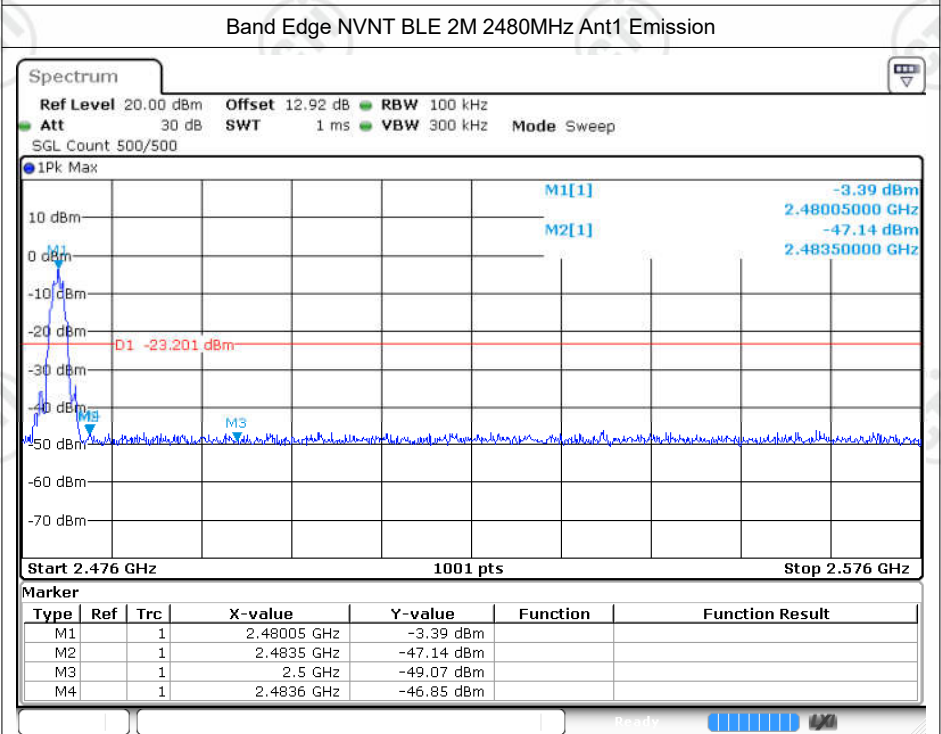


Date: 2 JUL 2024 18:49:34





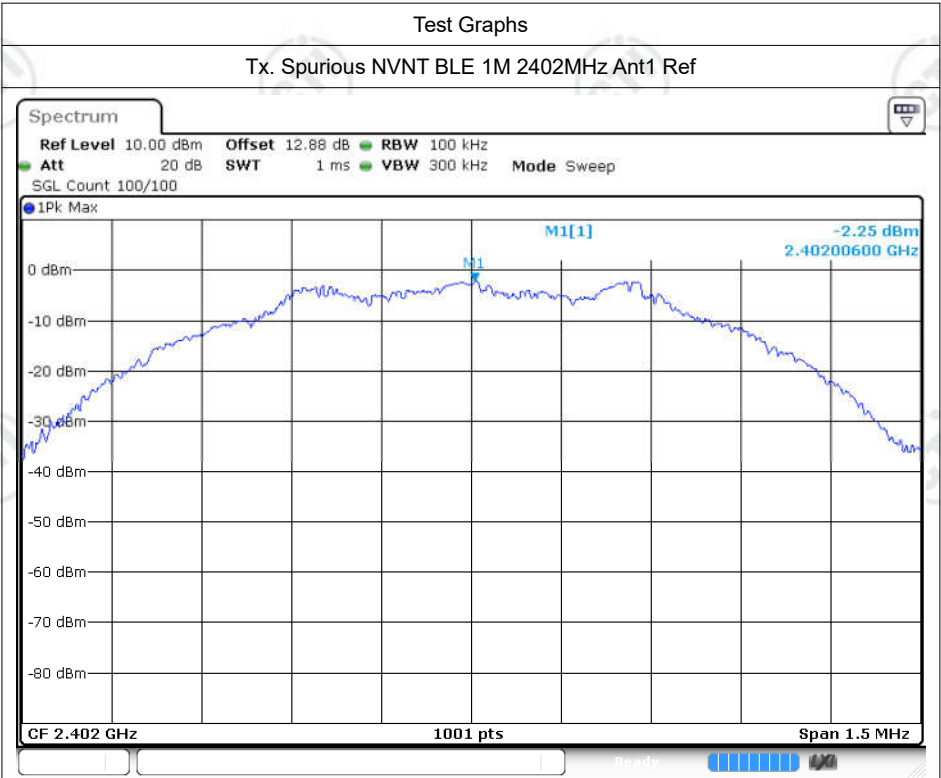
Date: 2 JUL 2024 18:56:32



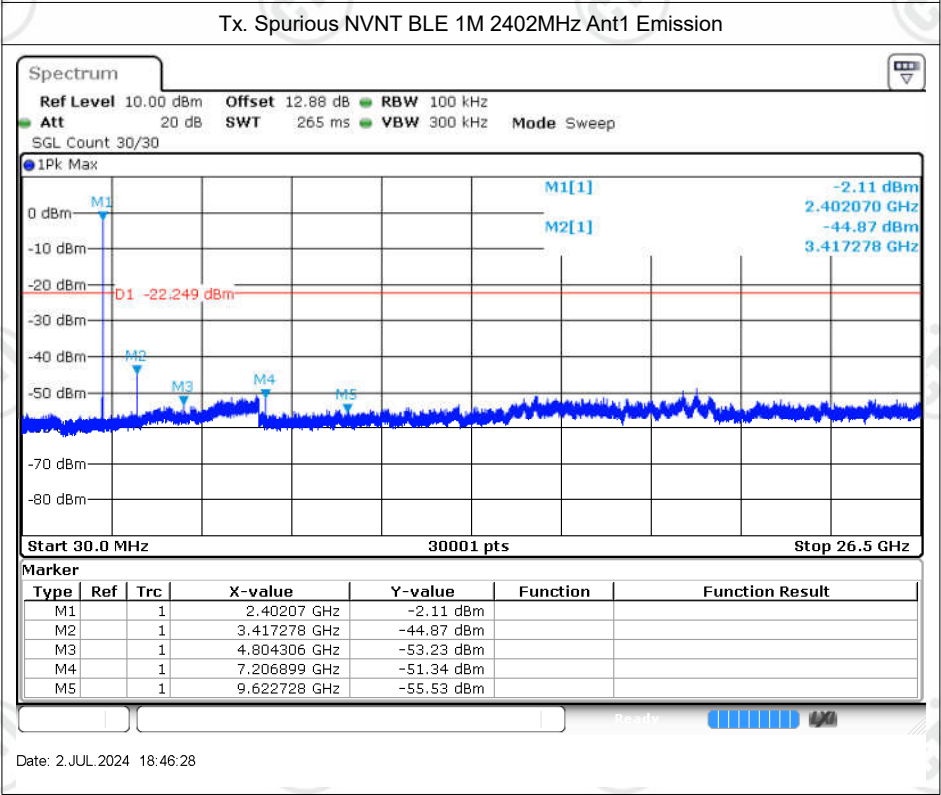
Date: 2 JUL 2024 18:56:34

Conducted RF Spurious Emission

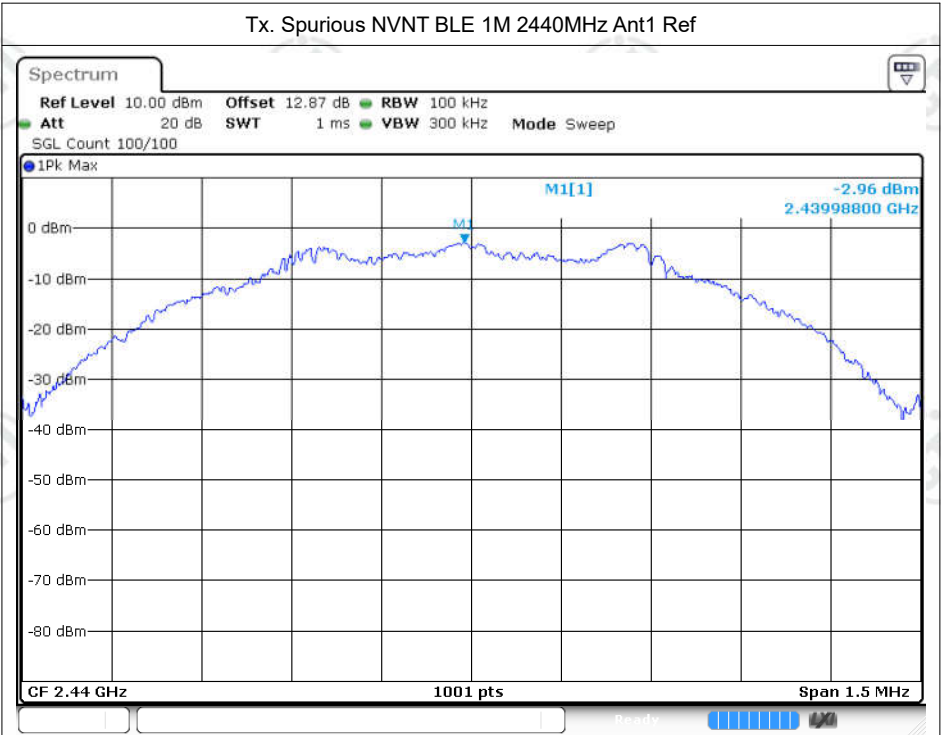
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-42.61	-20	Pass
NVNT	BLE 1M	2440	Ant1	-47.26	-20	Pass
NVNT	BLE 1M	2480	Ant1	-46.04	-20	Pass
NVNT	BLE 2M	2402	Ant1	-48.29	-20	Pass
NVNT	BLE 2M	2440	Ant1	-47.21	-20	Pass
NVNT	BLE 2M	2480	Ant1	-46.1	-20	Pass



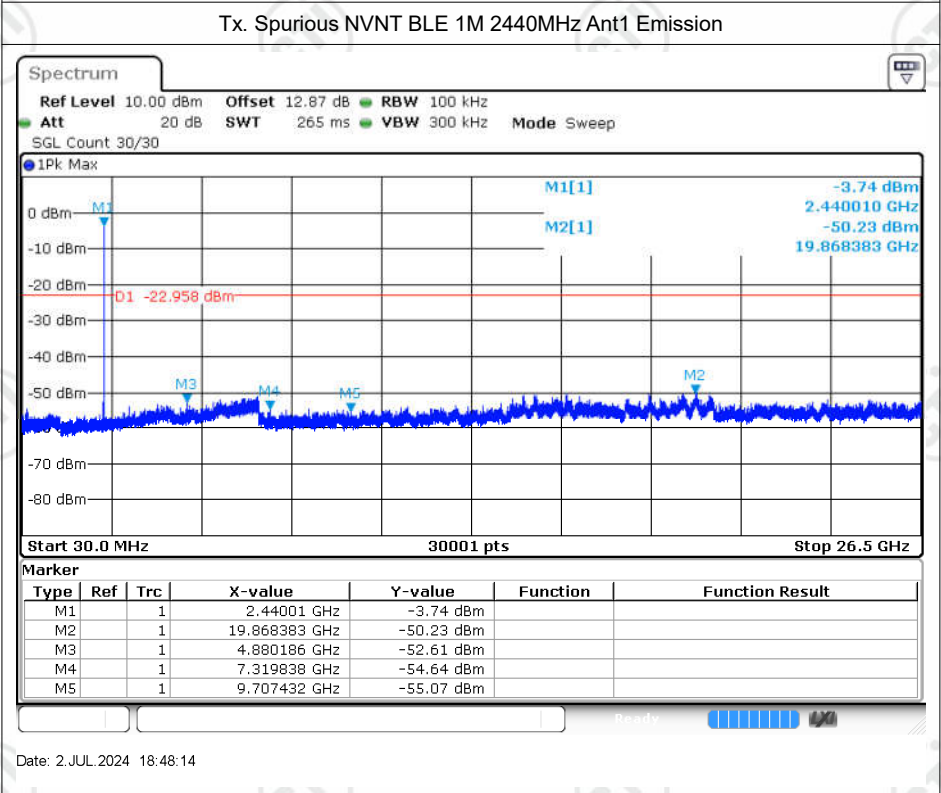
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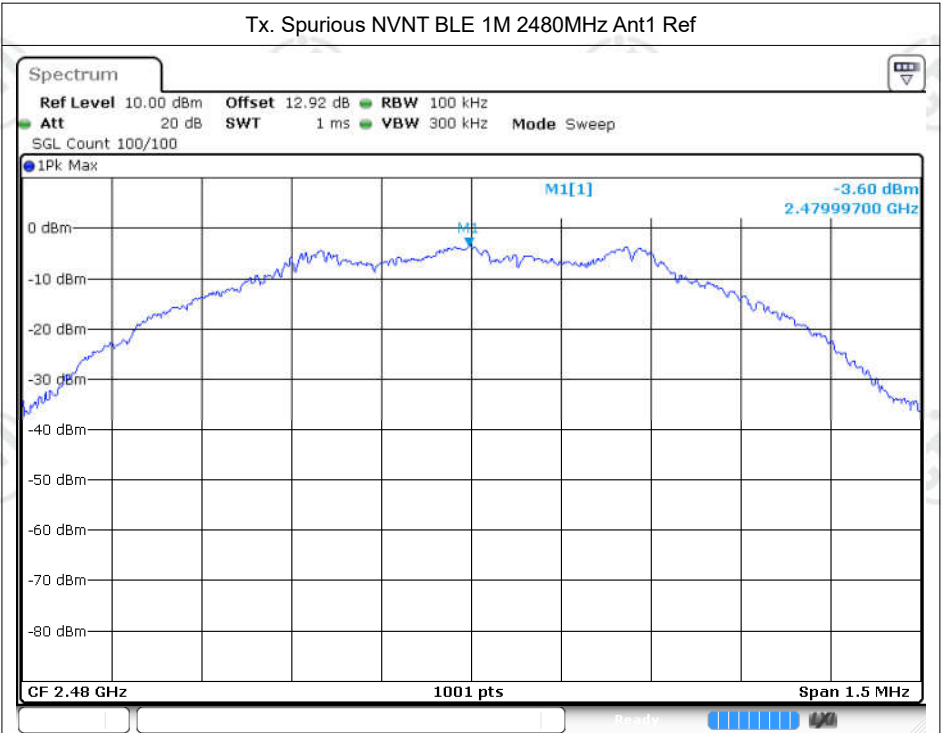
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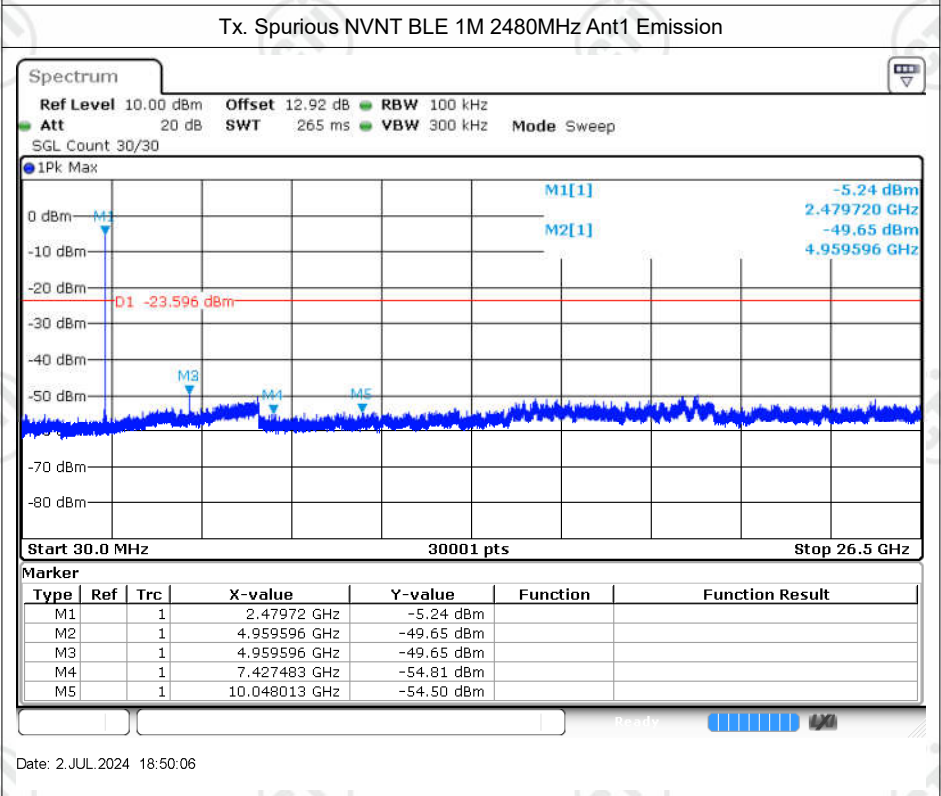
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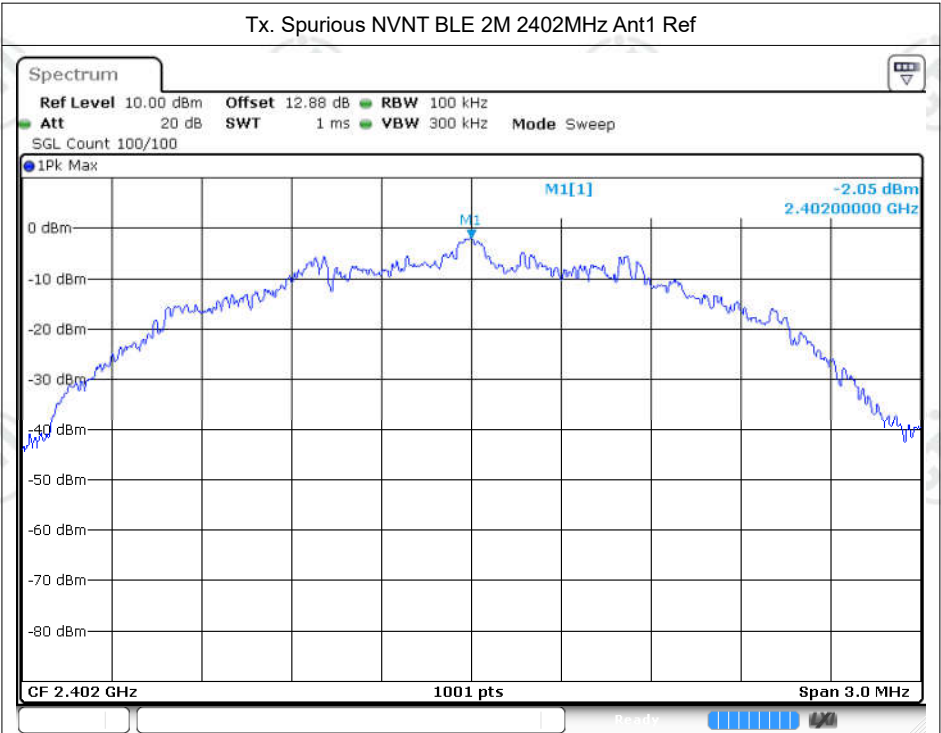
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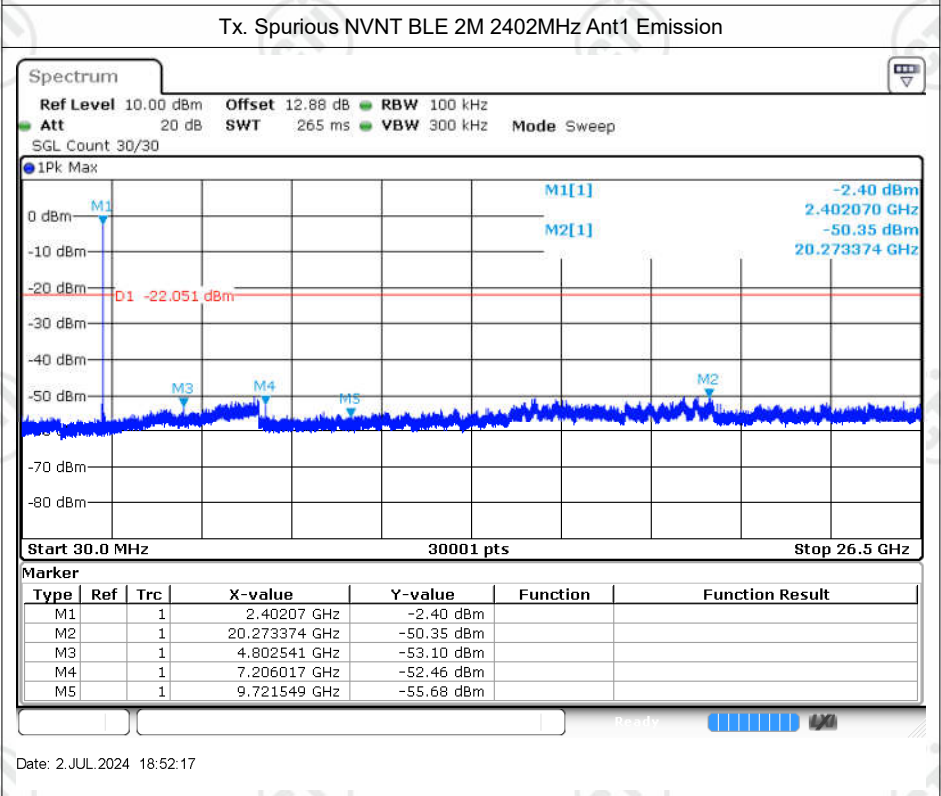
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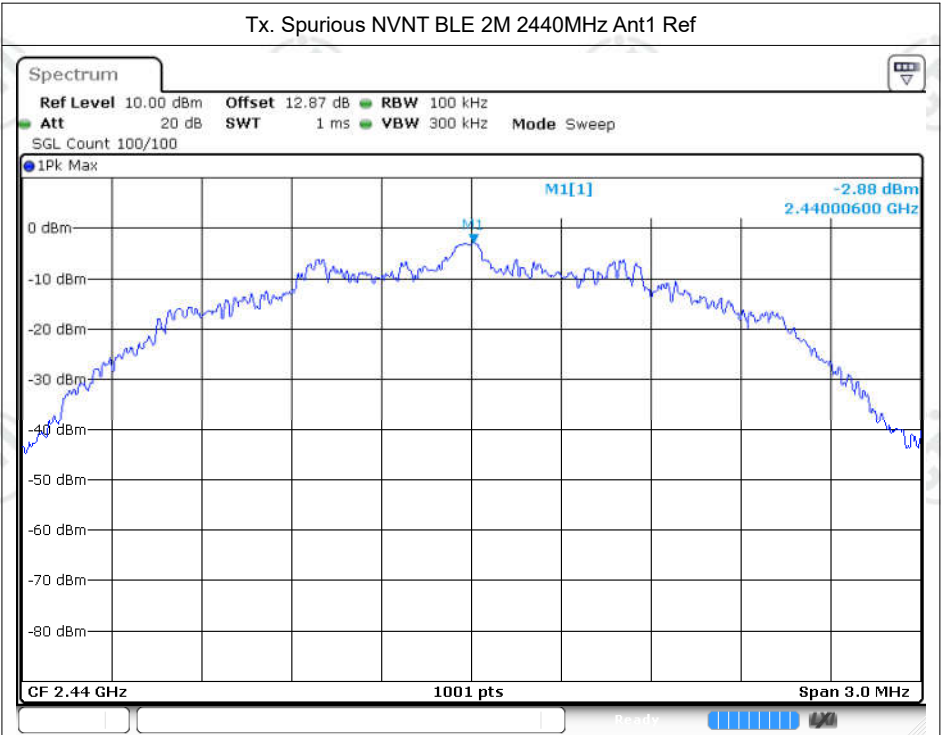
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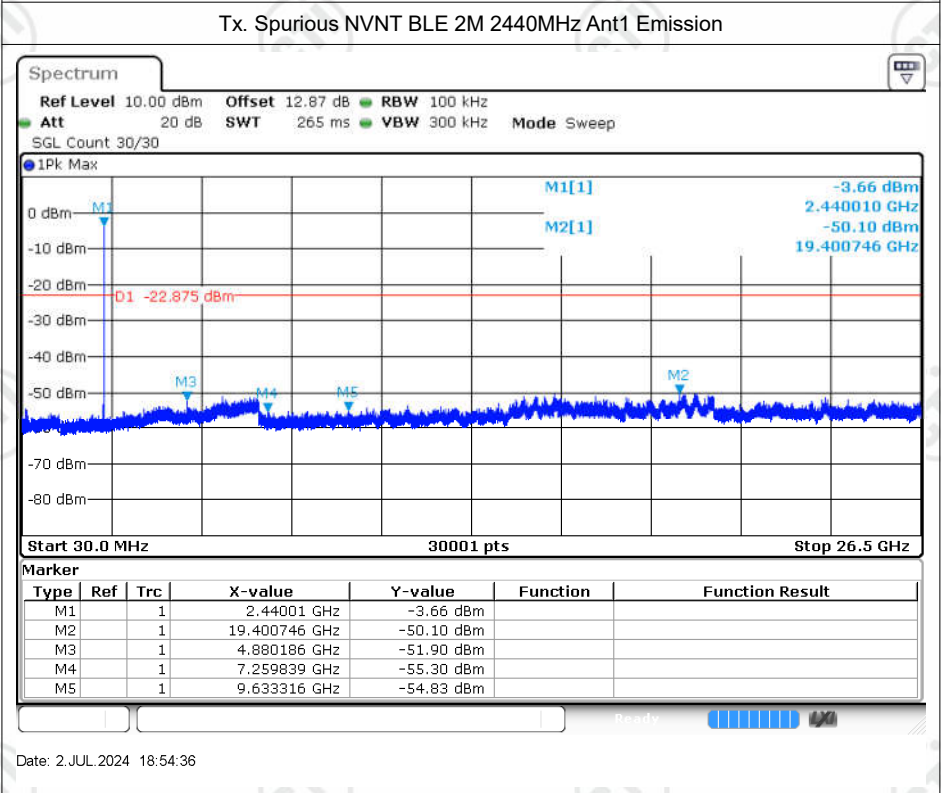
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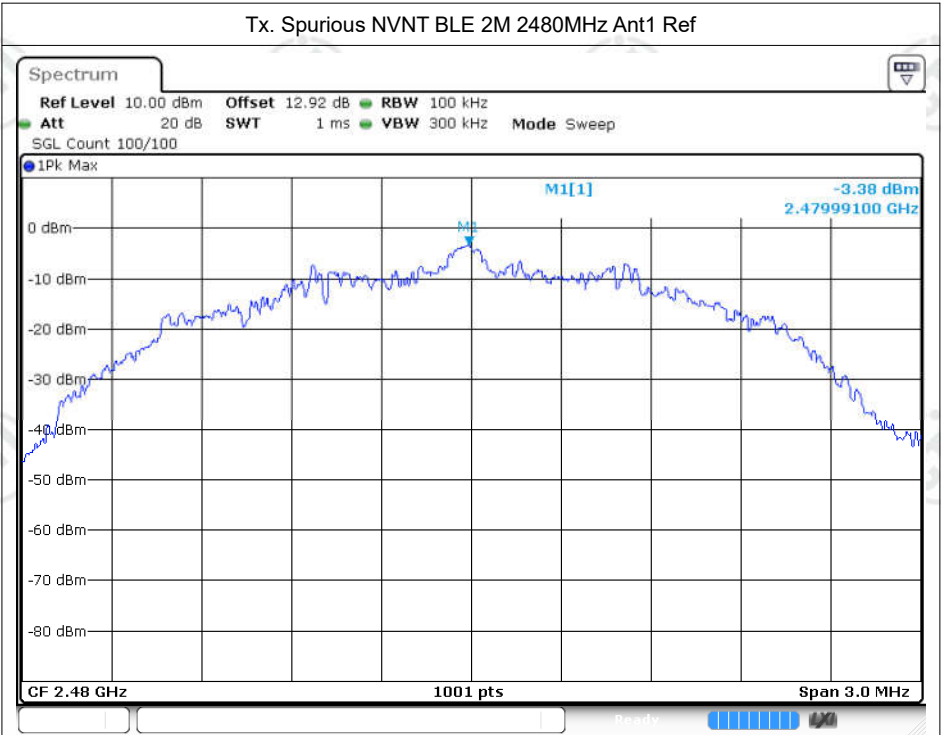
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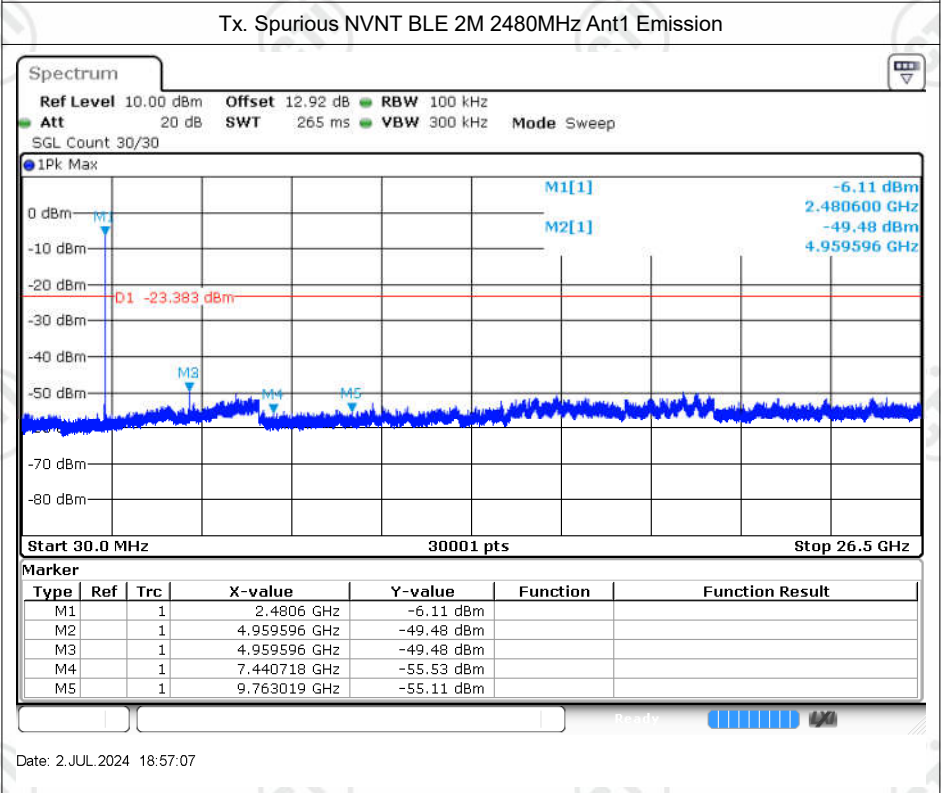
Date: 2 JUL 2024 18:54:07



Date: 2 JUL 2024 18:54:36



Date: 2 JUL 2024 18:56:38



*** End of Report ***