

Appendix: Bluetooth LE

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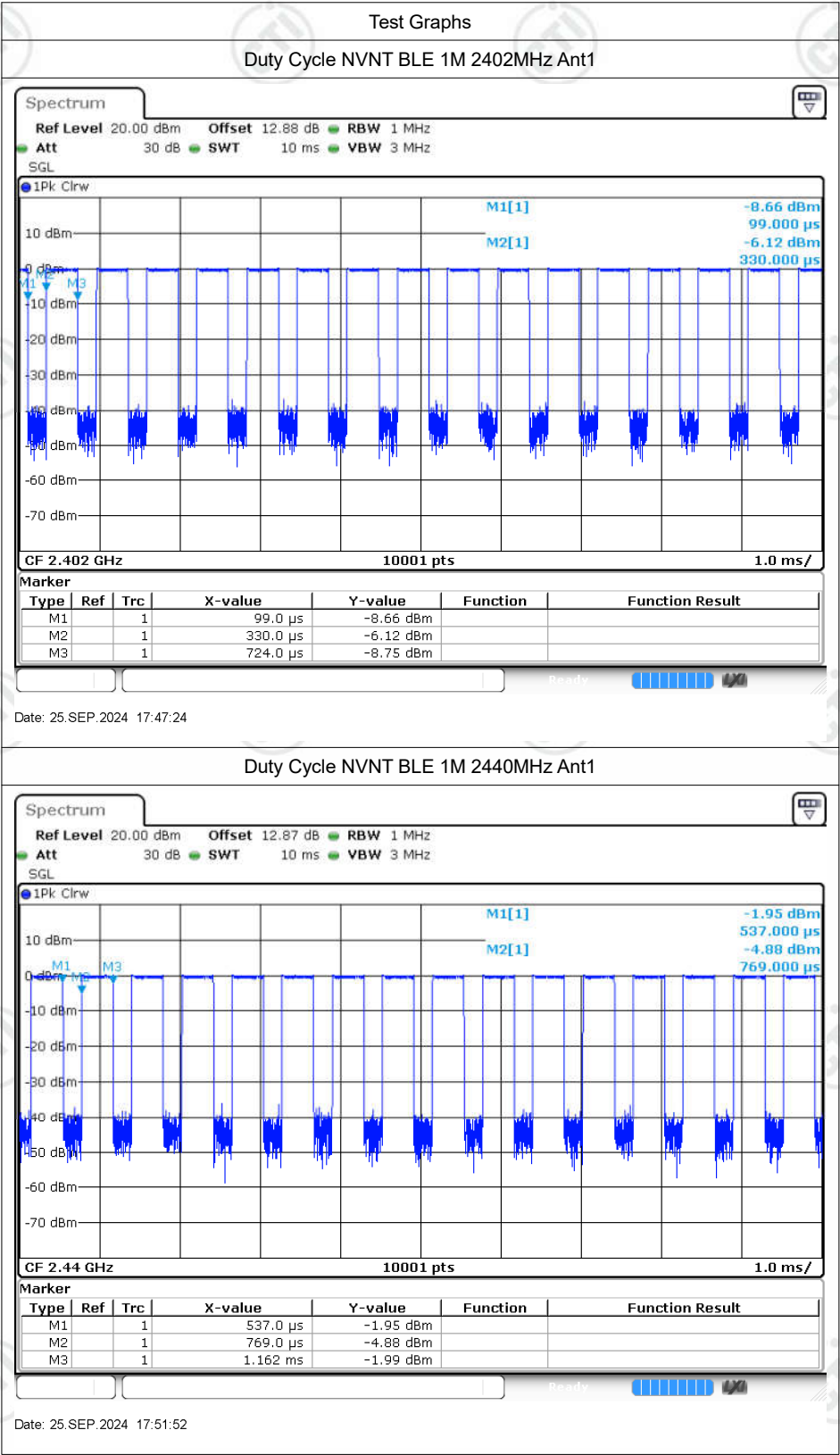
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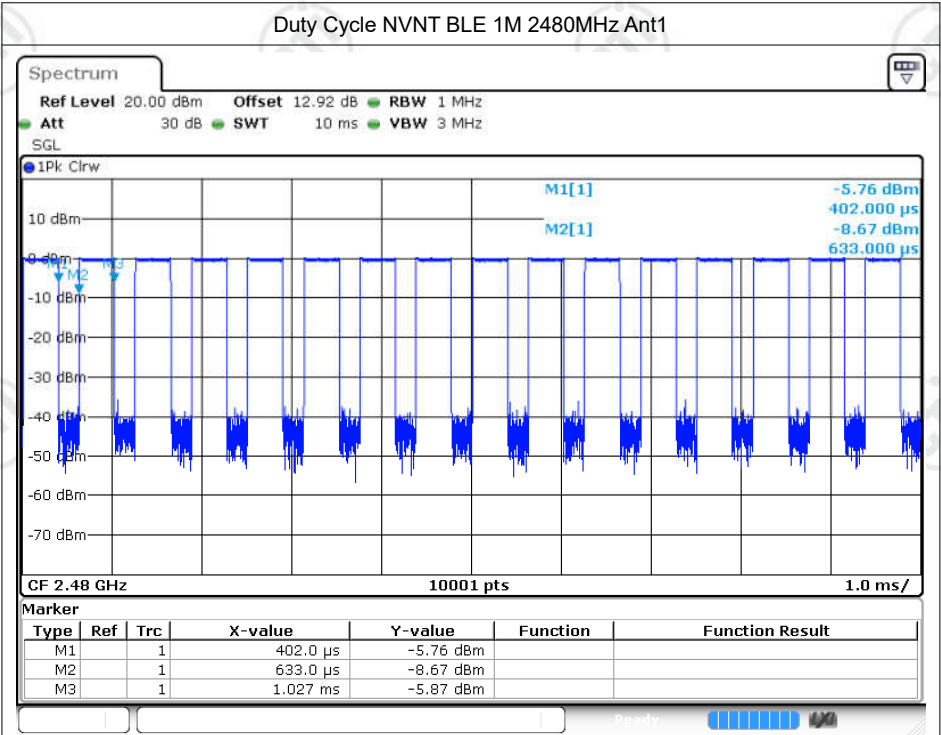
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Duty Cycle

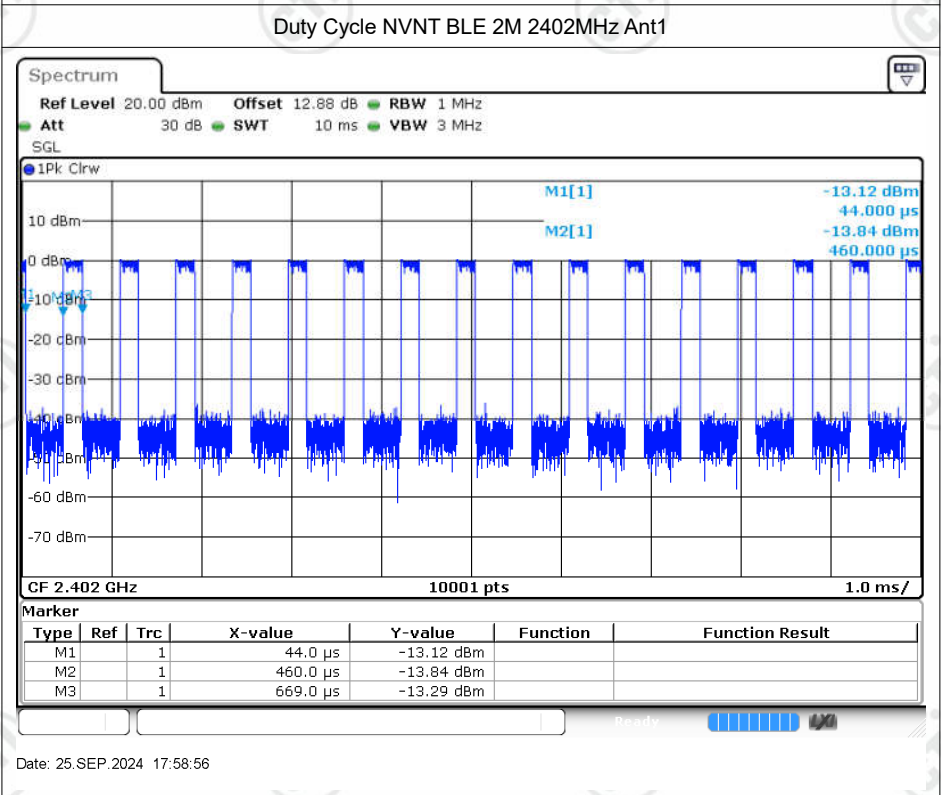
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	63.04	2	2.54
NVNT	BLE 1M	2440	Ant1	62.88	2.01	2.54
NVNT	BLE 1M	2480	Ant1	63.04	2	2.54
NVNT	BLE 2M	2402	Ant1	33.44	4.76	4.78
NVNT	BLE 2M	2440	Ant1	33.44	4.76	4.78
NVNT	BLE 2M	2480	Ant1	33.44	4.76	4.78

Note:Duty Cycle Correction Factor (dB)=-10*Ig(Duty Cycle);

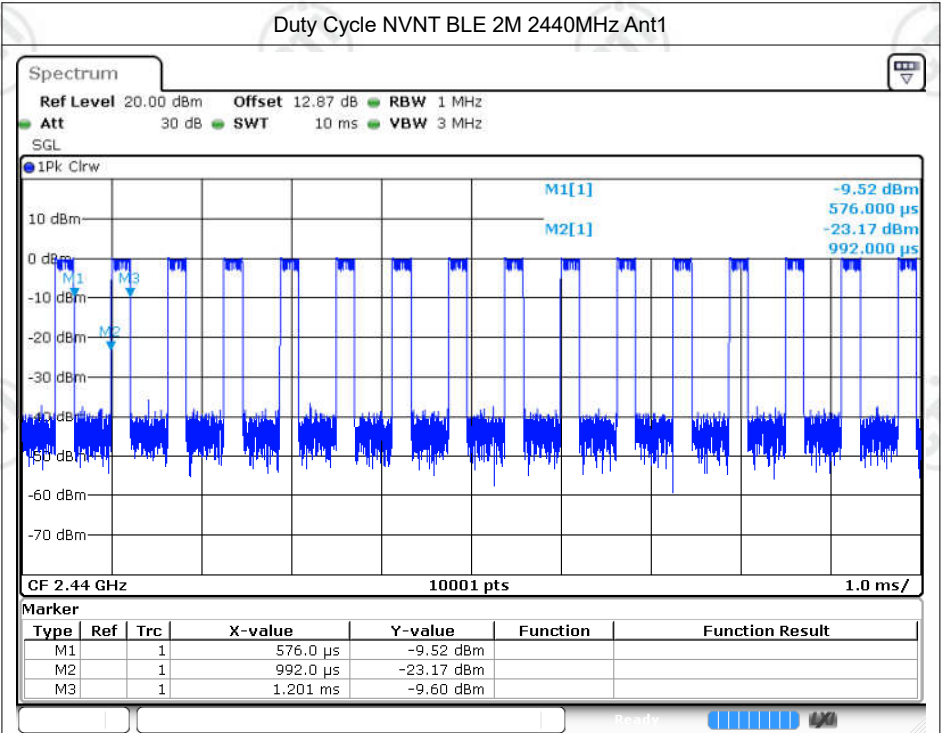




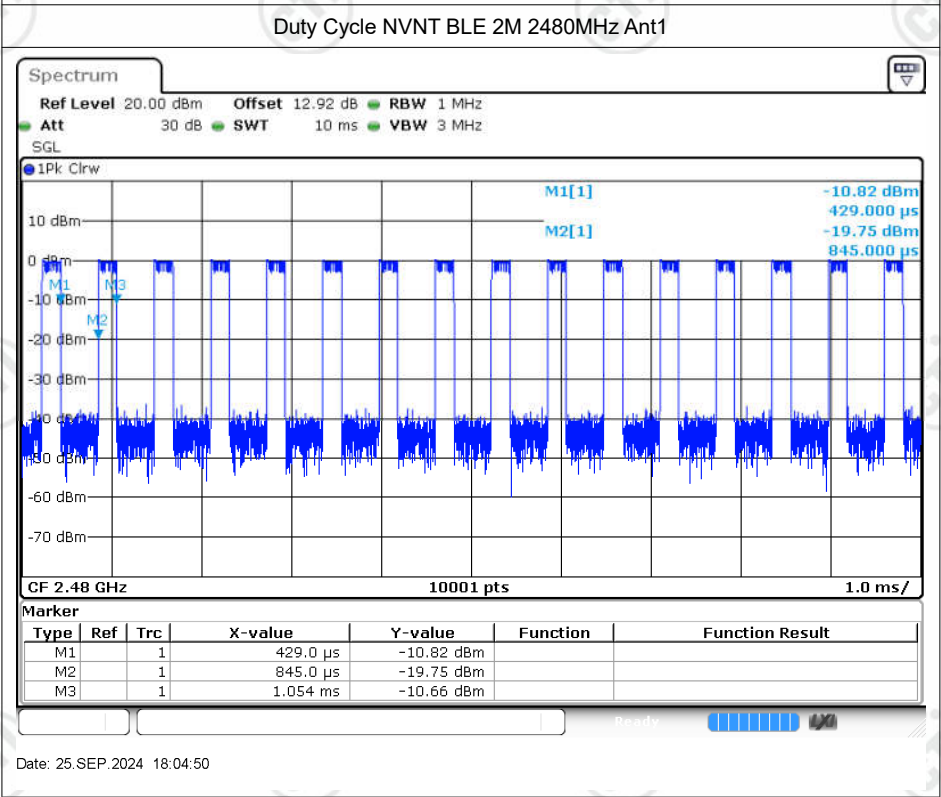
Date: 25.SEP.2024 17:56:33



Date: 25.SEP.2024 17:58:56



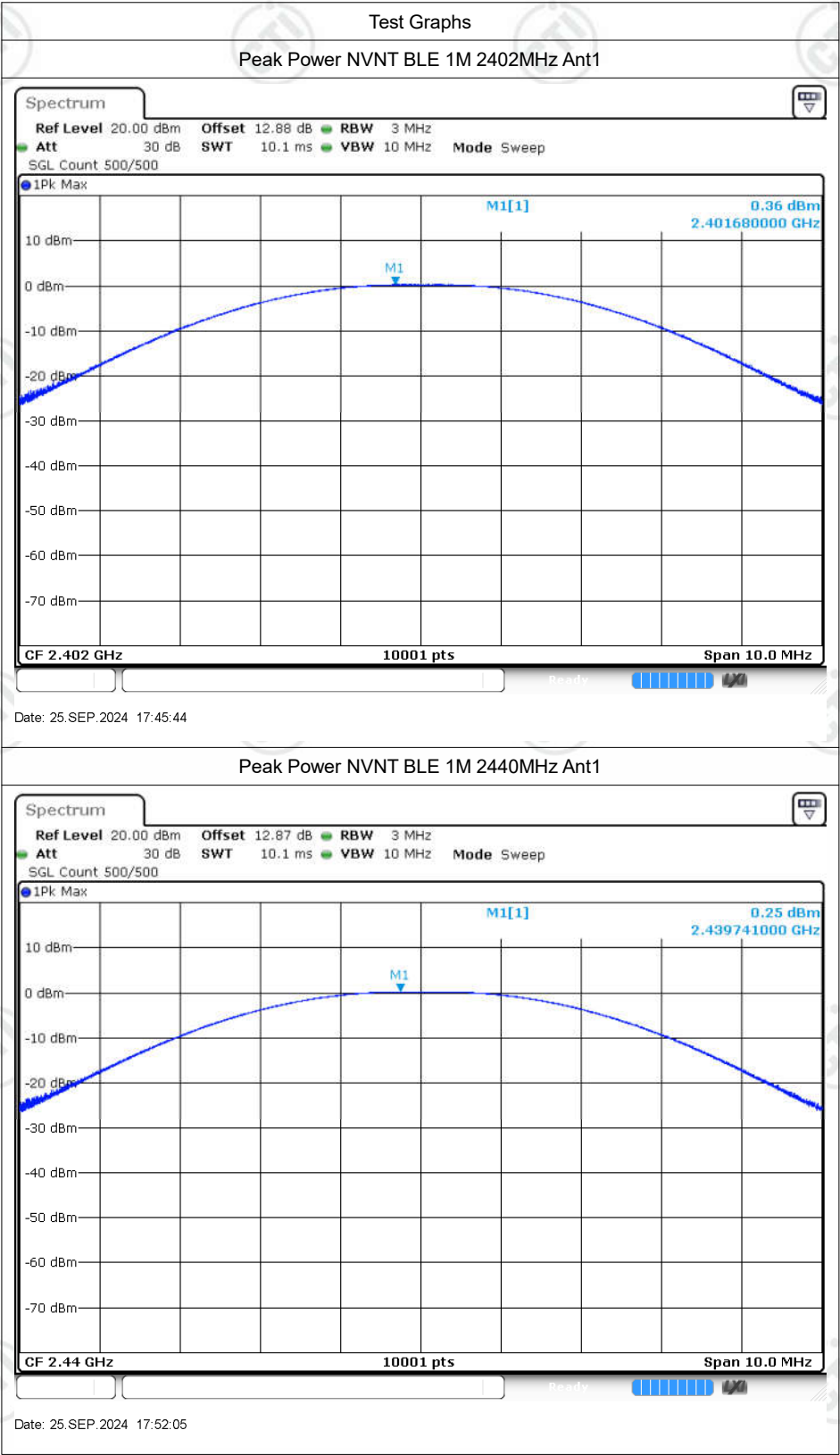
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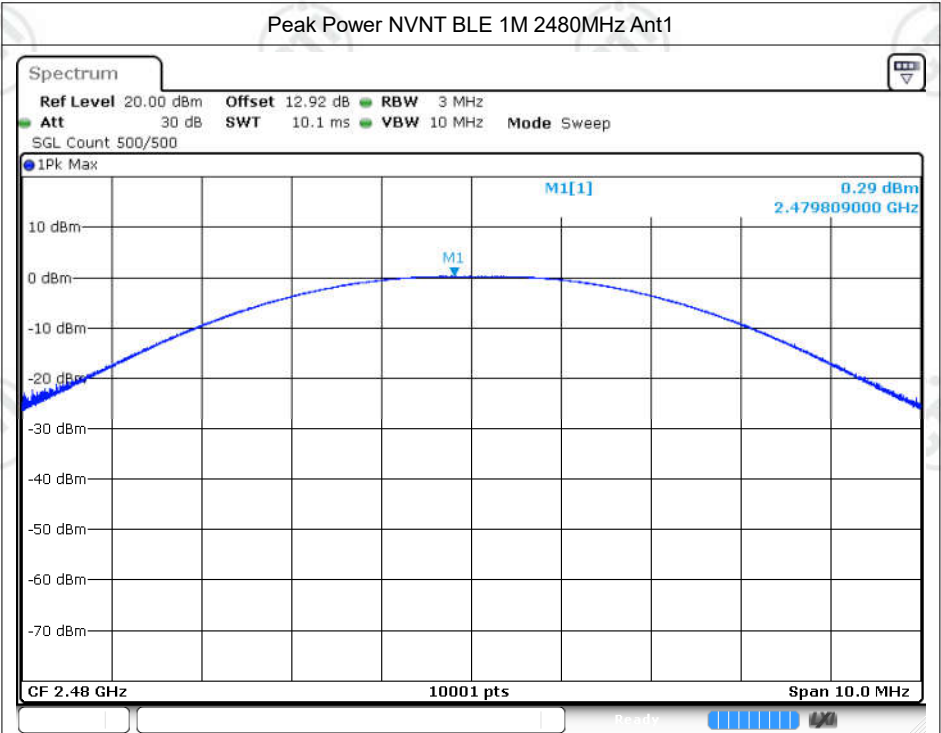


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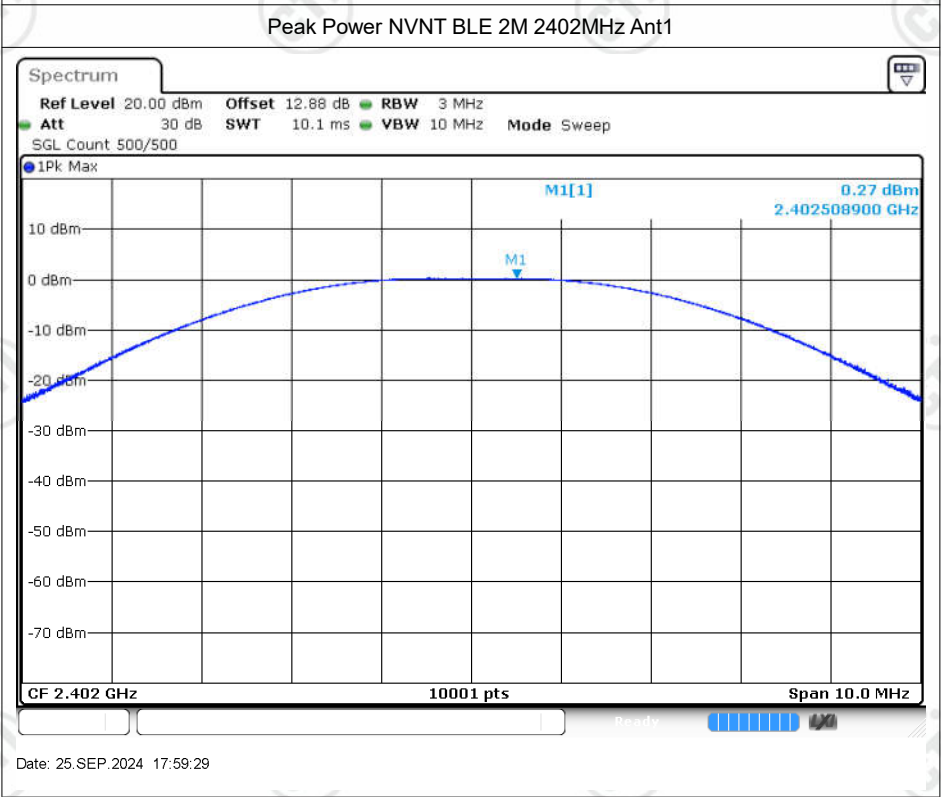
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.36	30	Pass
NVNT	BLE 1M	2440	Ant1	0.25	30	Pass
NVNT	BLE 1M	2480	Ant1	0.29	30	Pass
NVNT	BLE 2M	2402	Ant1	0.27	30	Pass
NVNT	BLE 2M	2440	Ant1	0.25	30	Pass
NVNT	BLE 2M	2480	Ant1	0.26	30	Pass

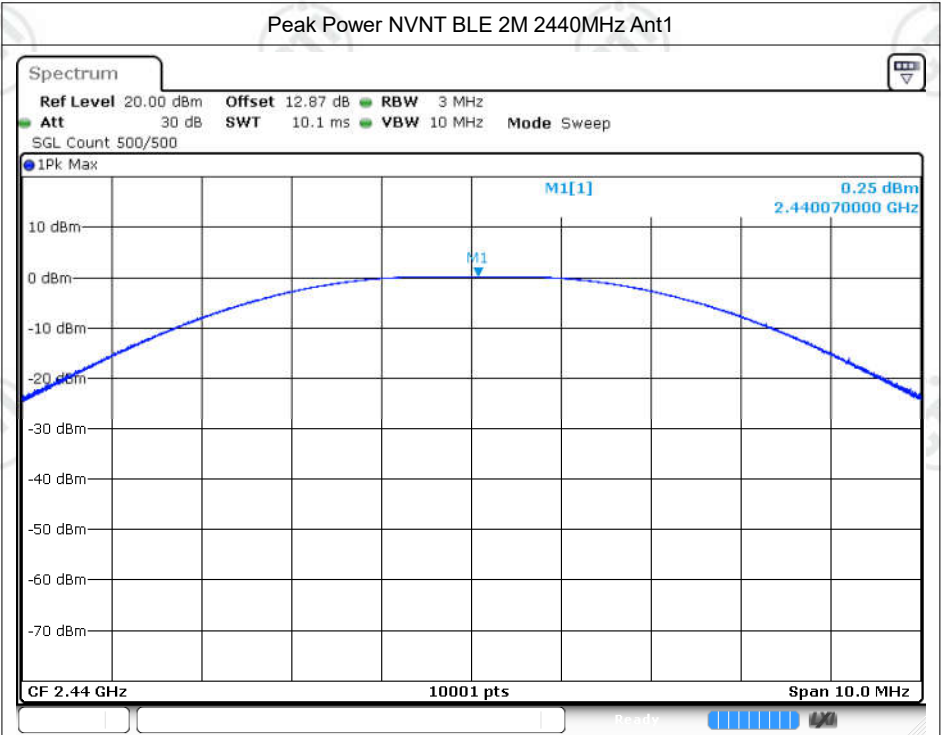




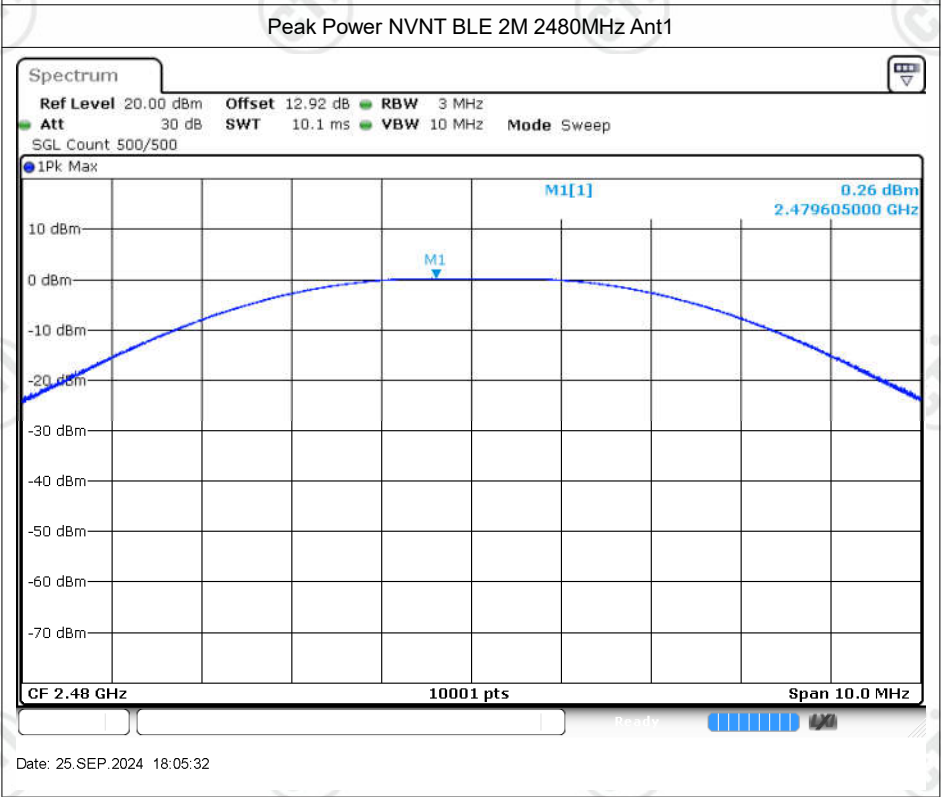
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Date: 25.SEP.2024 17:59:29



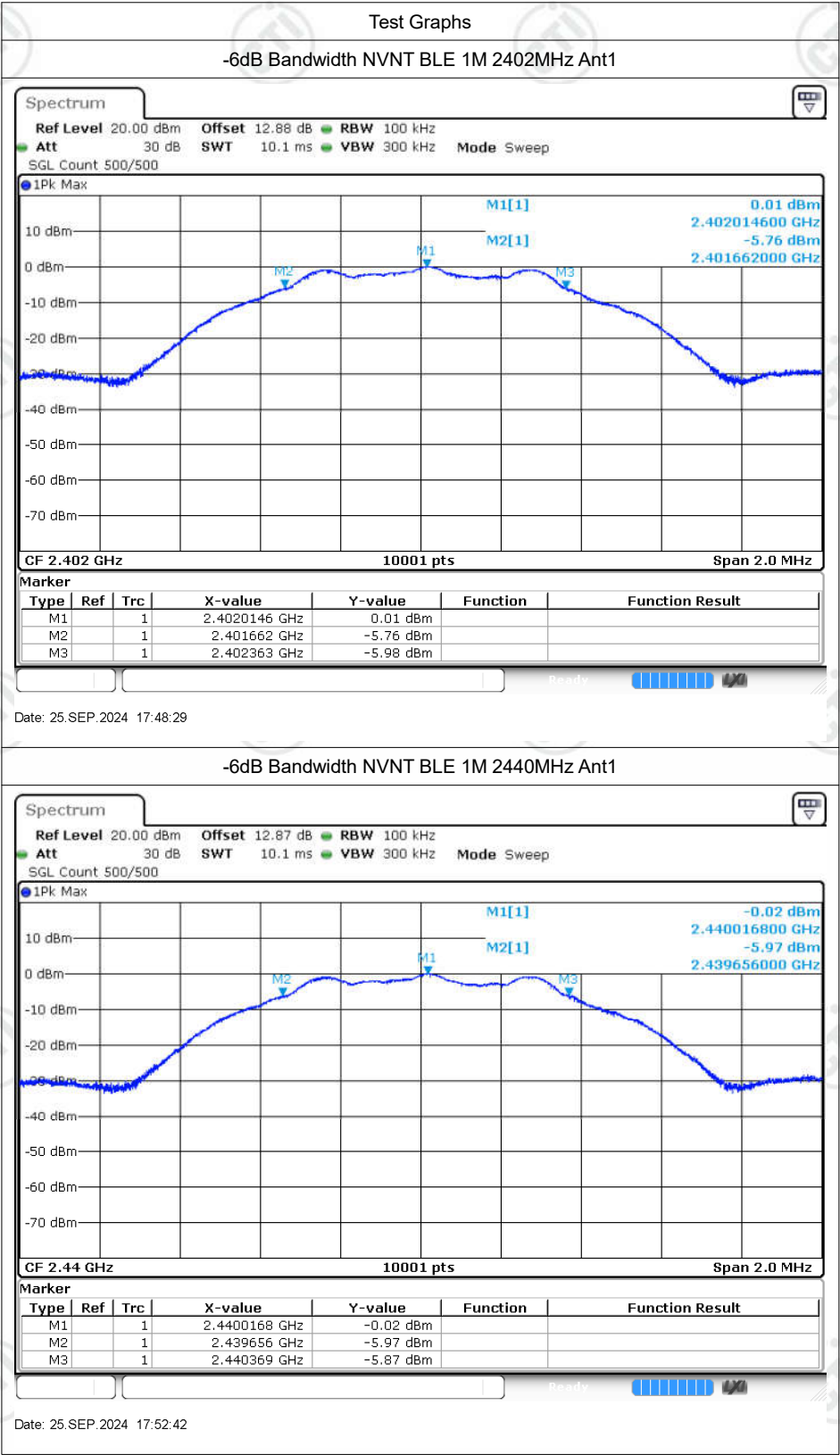
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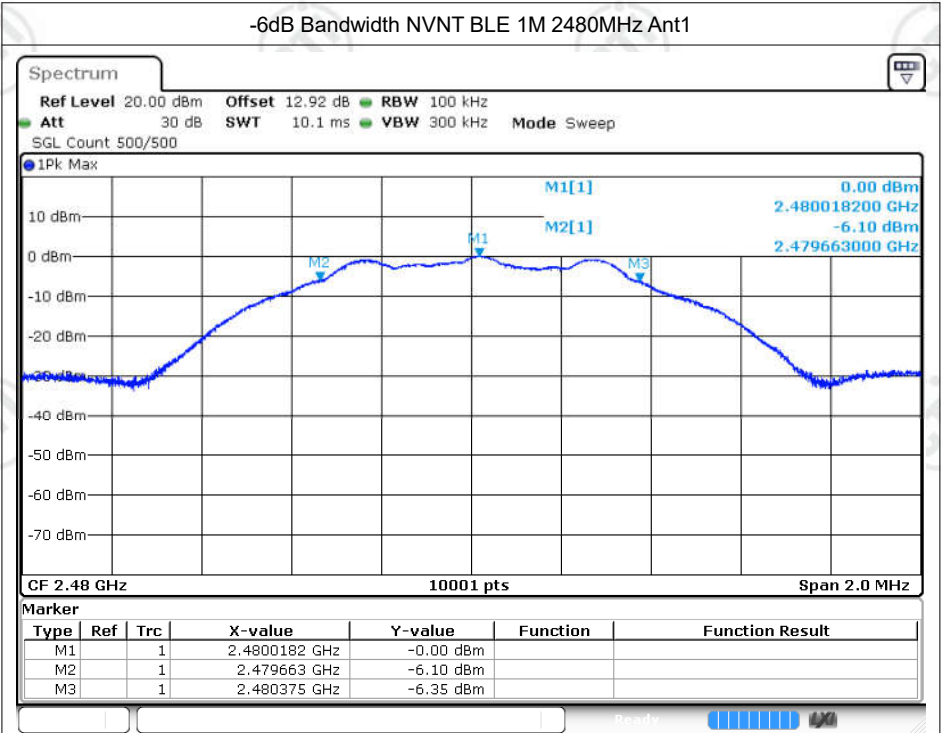


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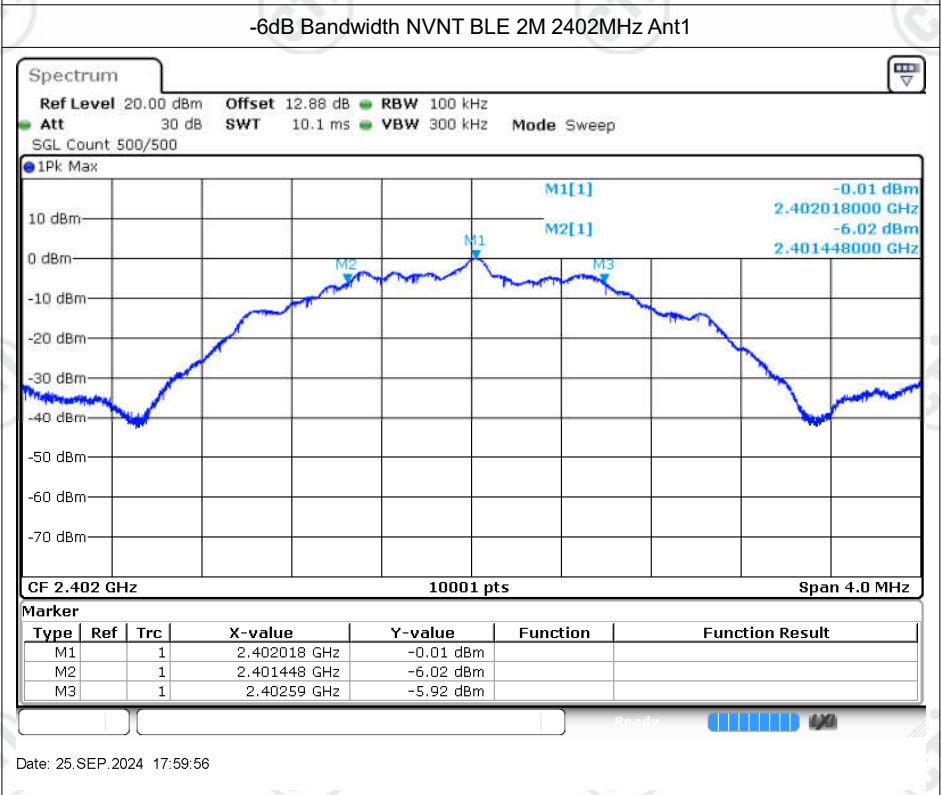
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.701	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.713	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.711	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.142	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.136	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.136	0.5	Pass

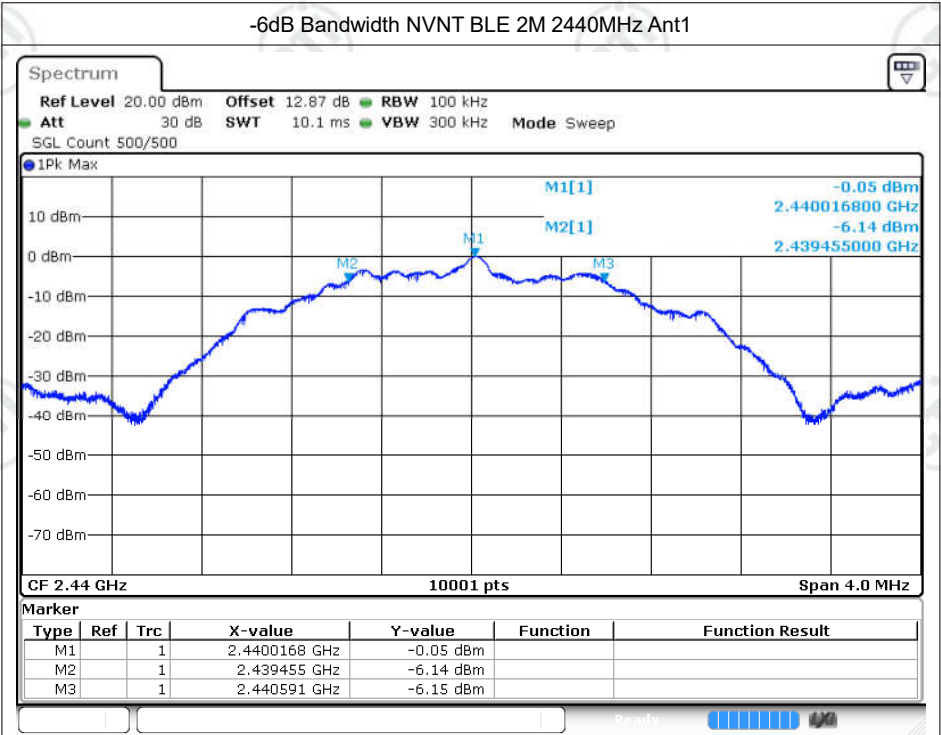




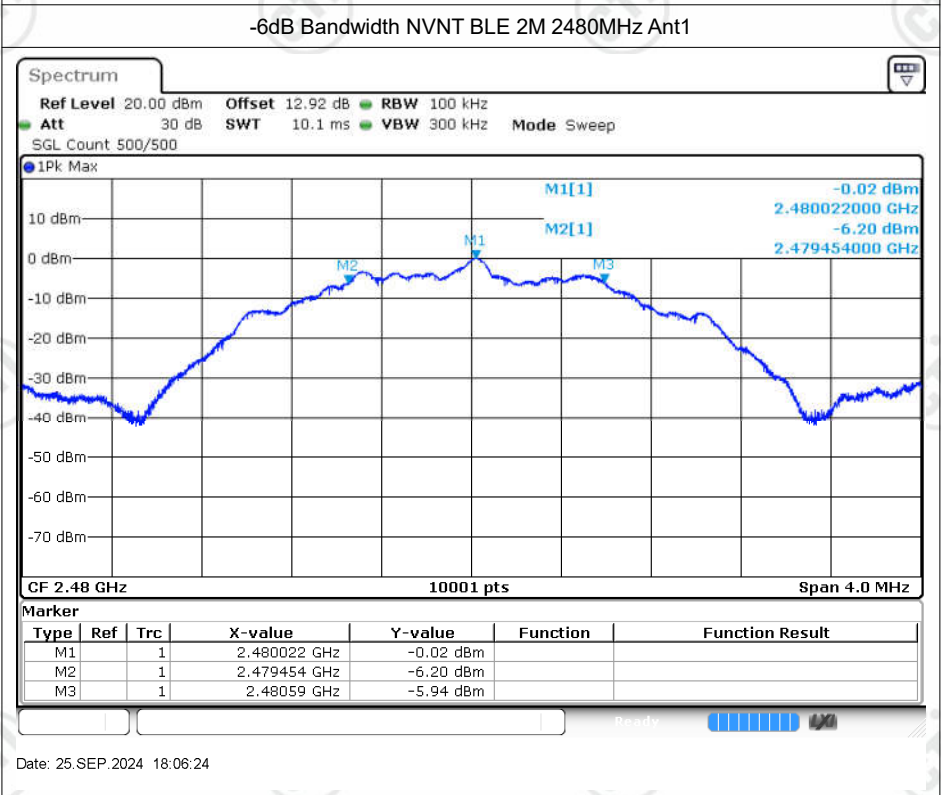
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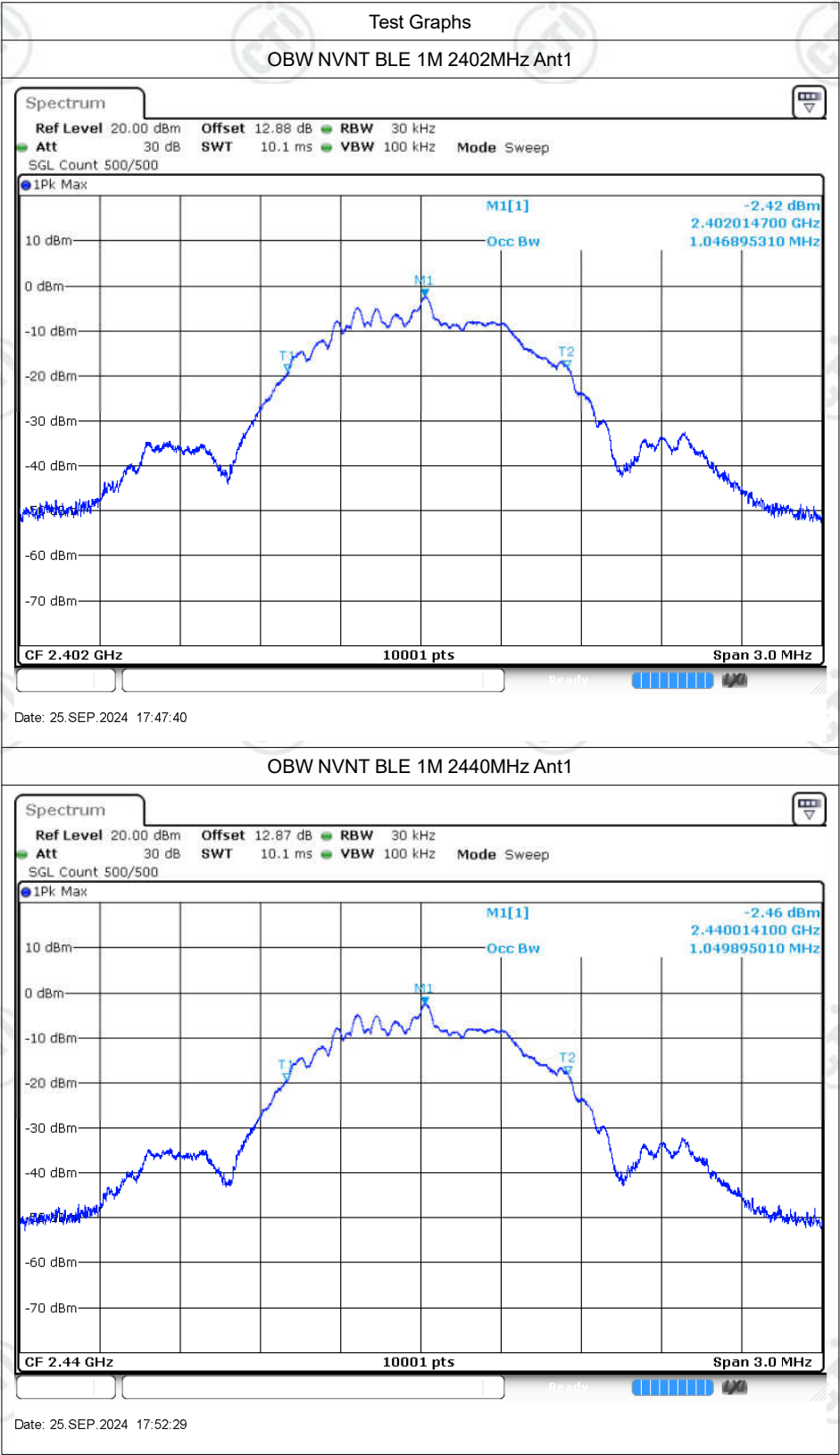
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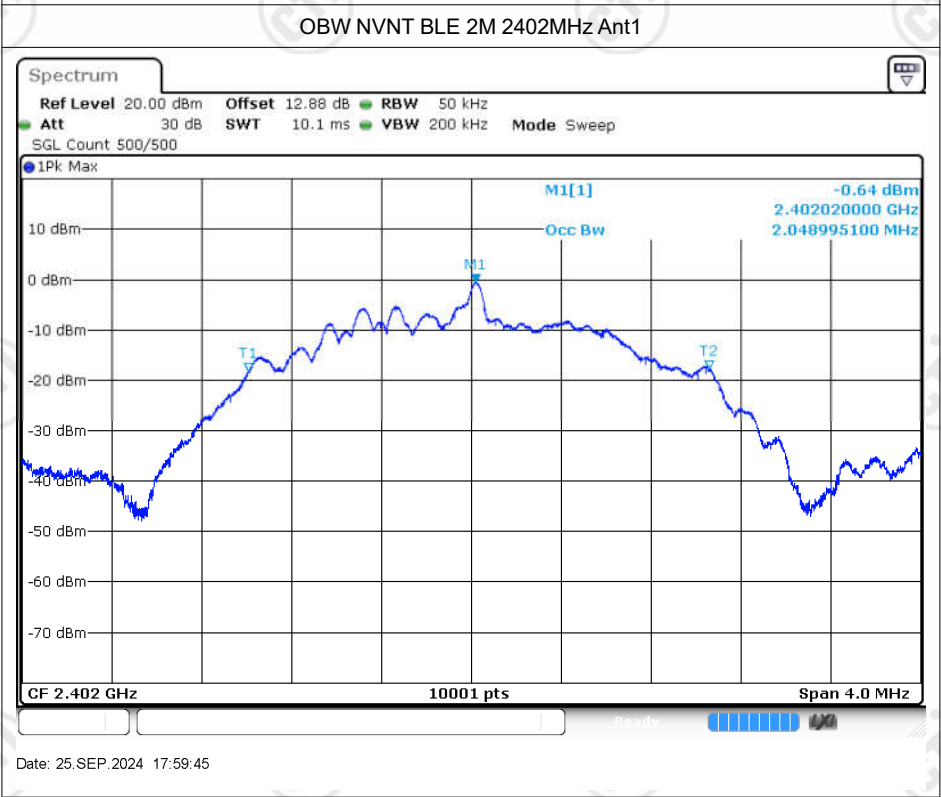
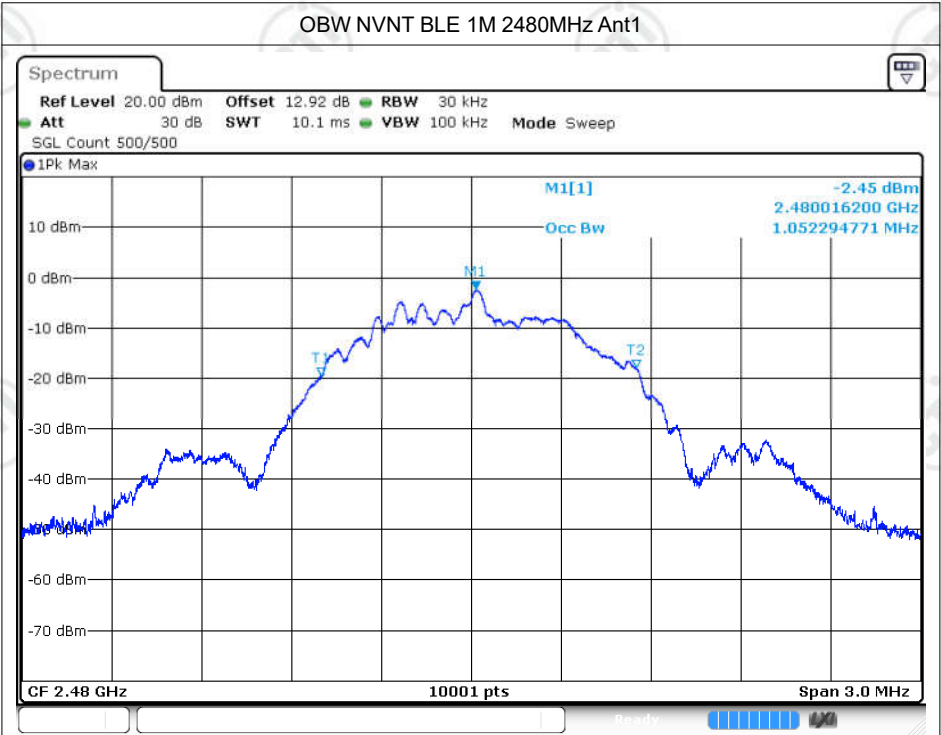


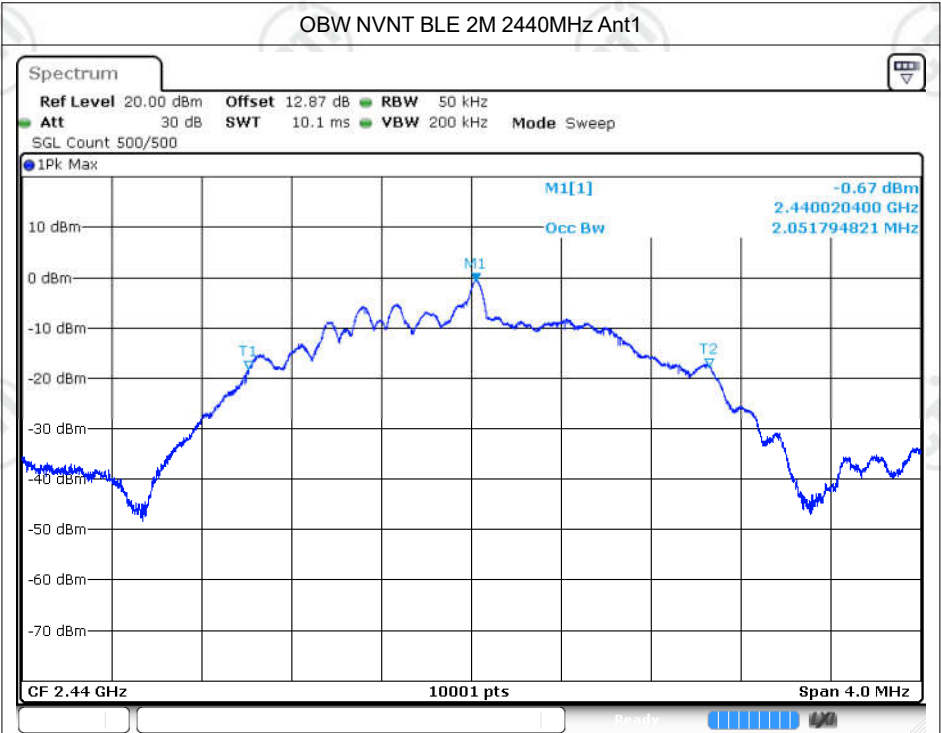
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Occupied Channel Bandwidth

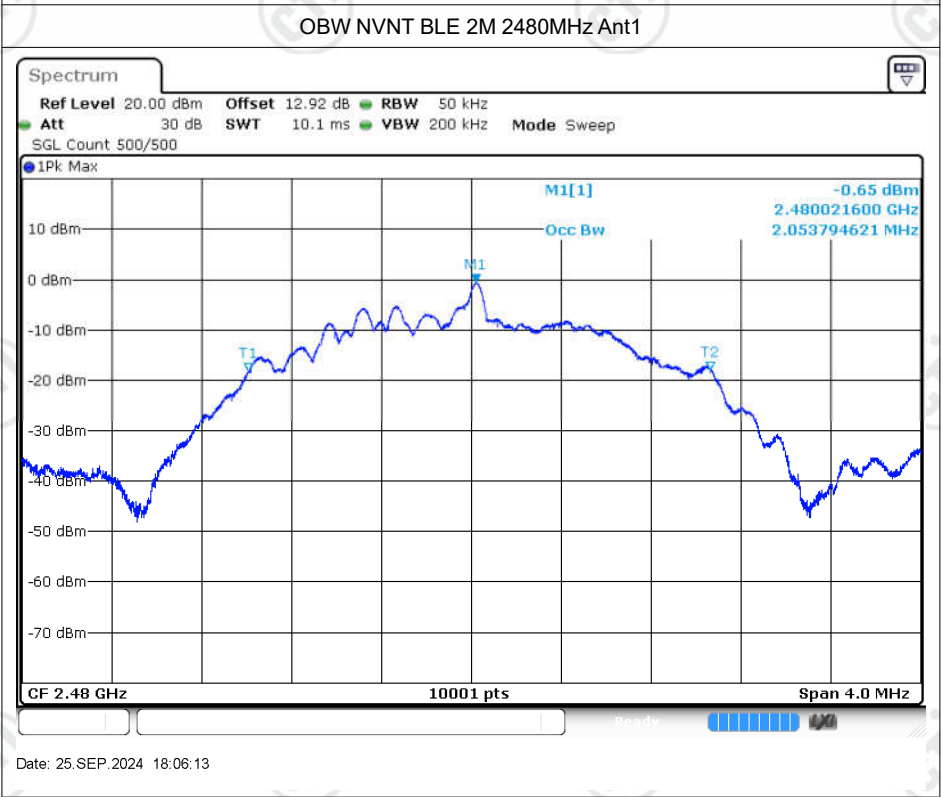
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.047
NVNT	BLE 1M	2440	Ant1	1.05
NVNT	BLE 1M	2480	Ant1	1.052
NVNT	BLE 2M	2402	Ant1	2.049
NVNT	BLE 2M	2440	Ant1	2.052
NVNT	BLE 2M	2480	Ant1	2.054







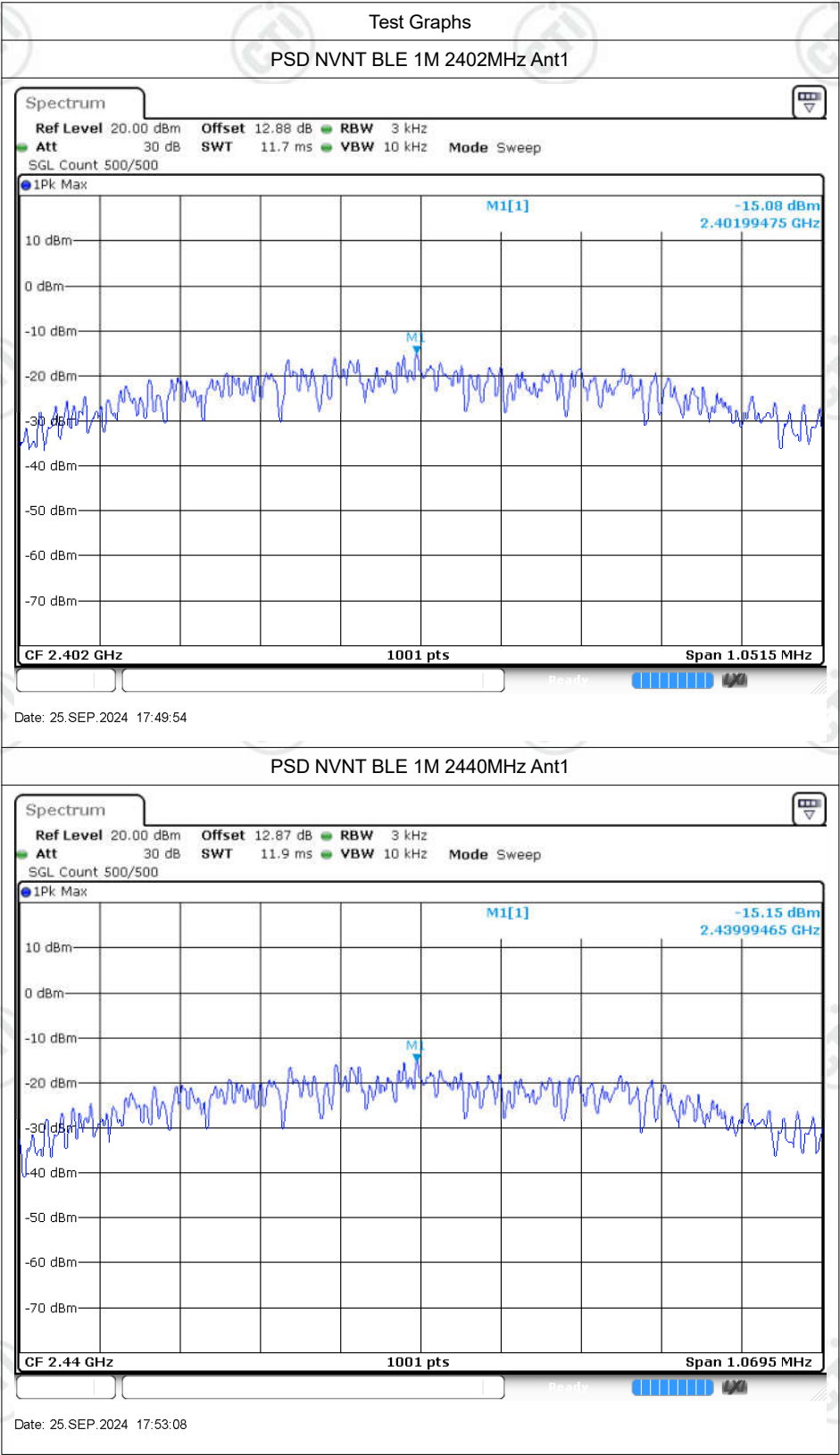
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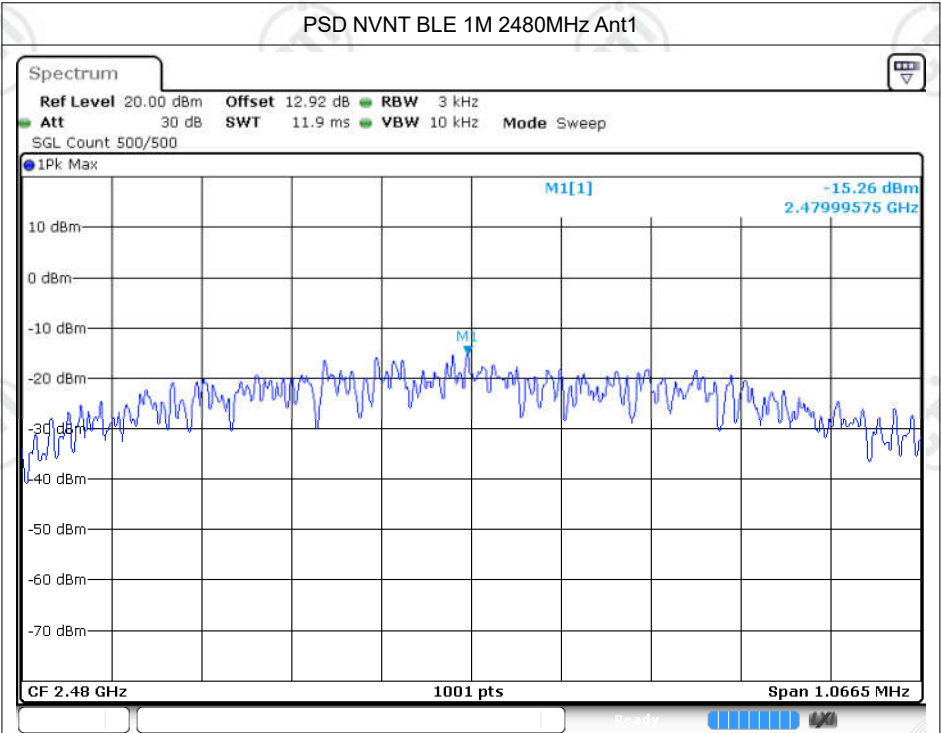


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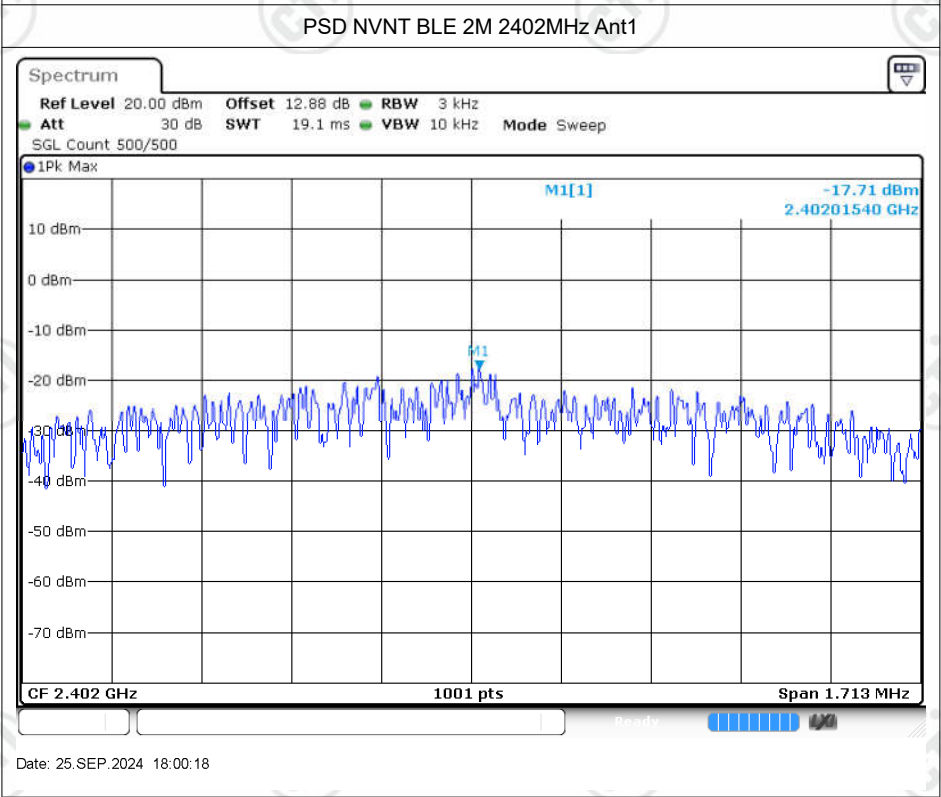
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-15.08	8	Pass
NVNT	BLE 1M	2440	Ant1	-15.15	8	Pass
NVNT	BLE 1M	2480	Ant1	-15.26	8	Pass
NVNT	BLE 2M	2402	Ant1	-17.71	8	Pass
NVNT	BLE 2M	2440	Ant1	-17.74	8	Pass
NVNT	BLE 2M	2480	Ant1	-17.62	8	Pass

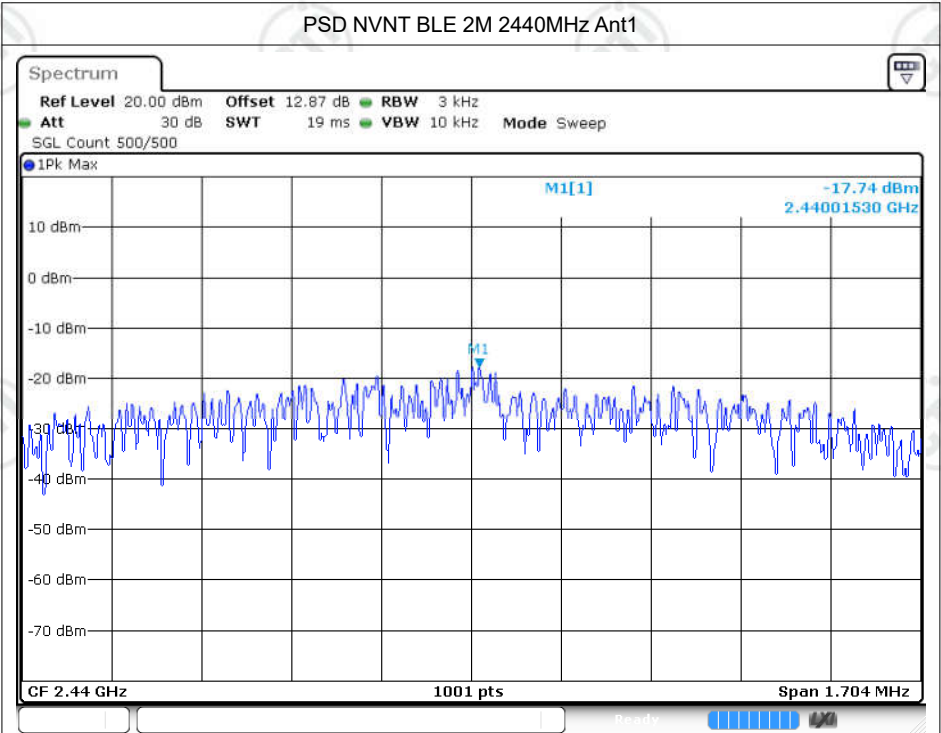




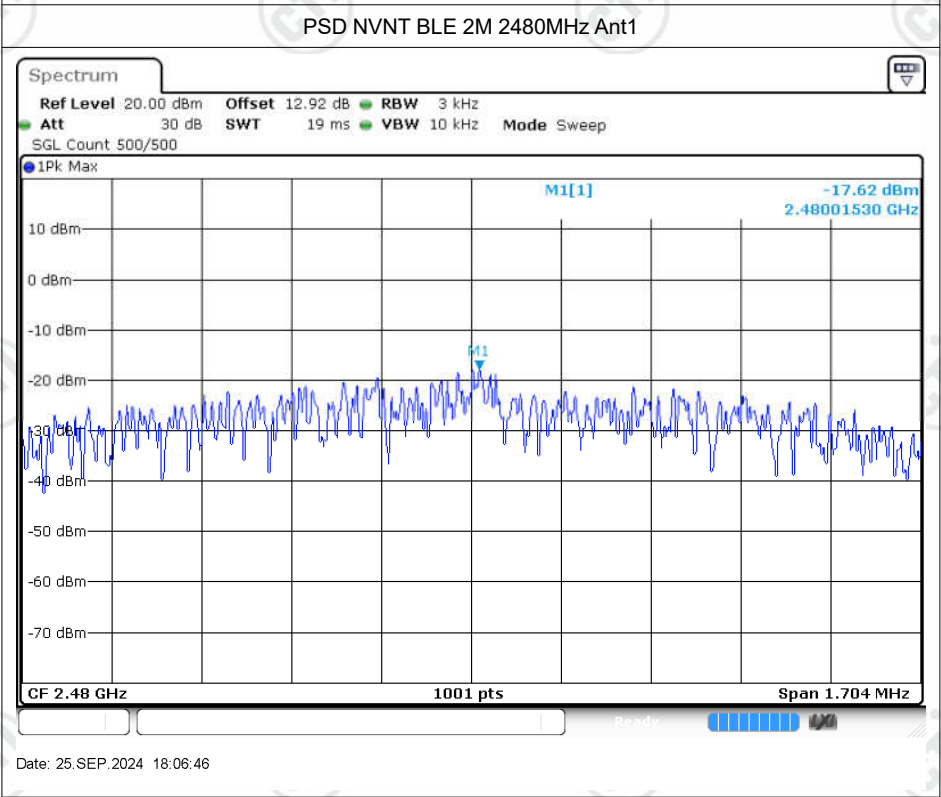
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Date: 25.SEP.2024 18:00:18



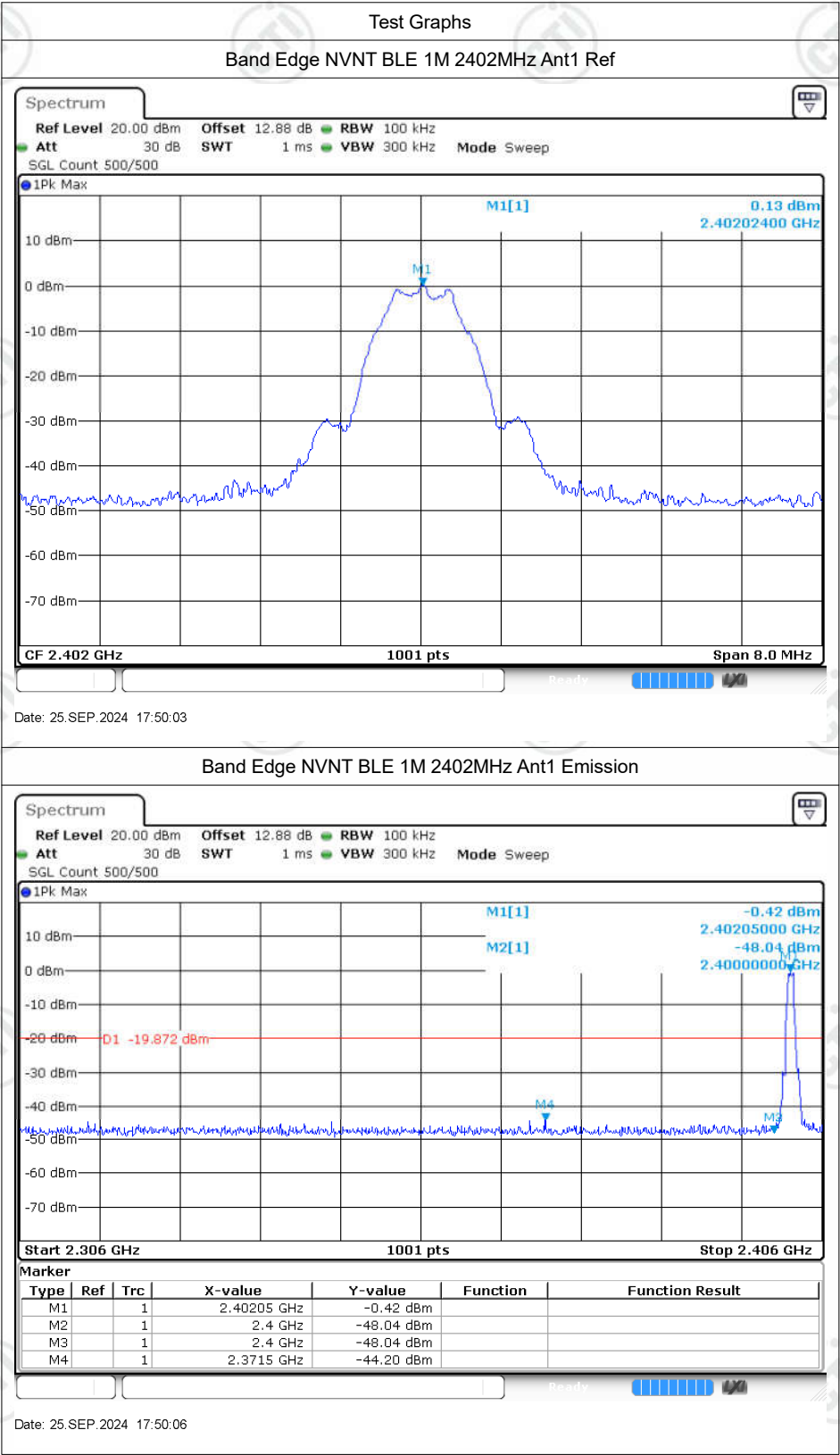
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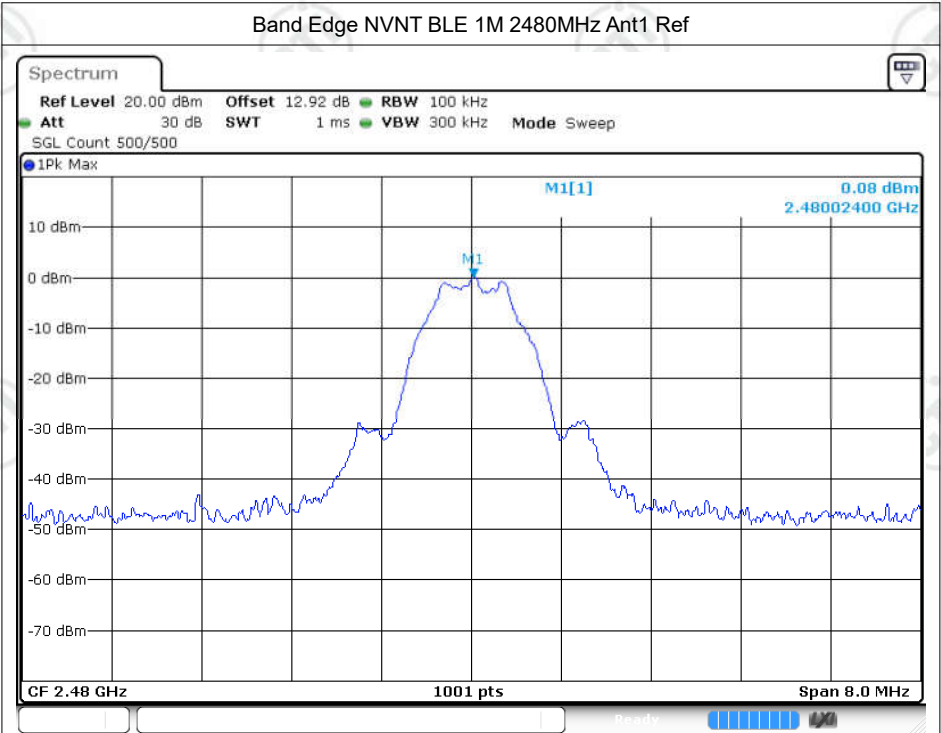


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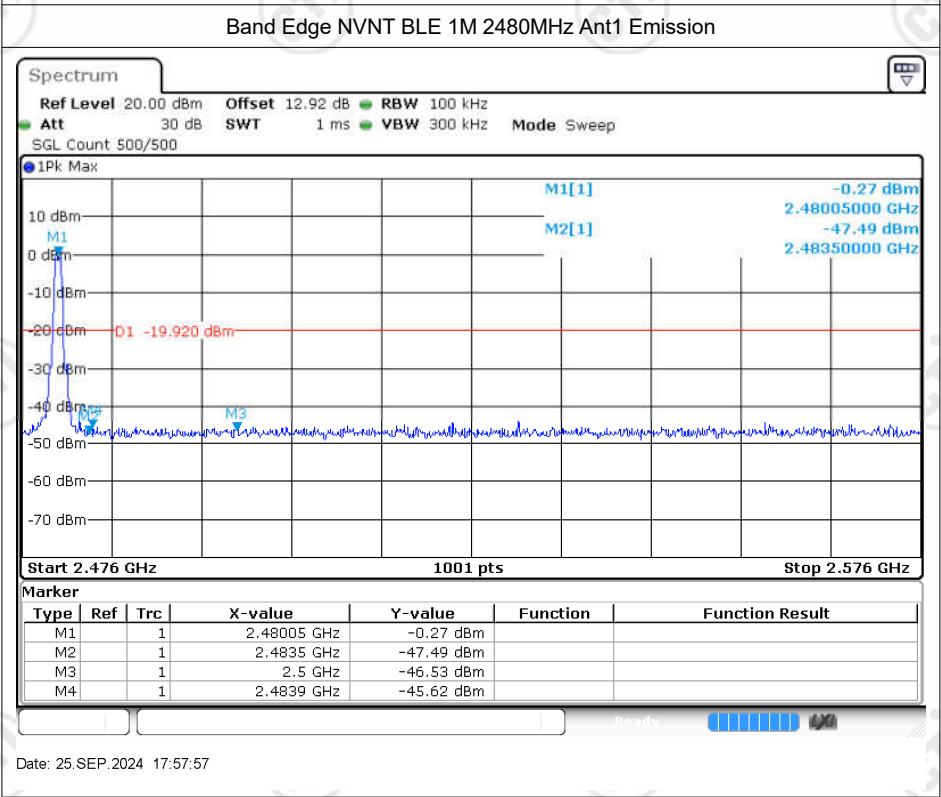
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.32	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.69	-20	Pass
NVNT	BLE 2M	2402	Ant1	-35.56	-20	Pass
NVNT	BLE 2M	2480	Ant1	-45.21	-20	Pass

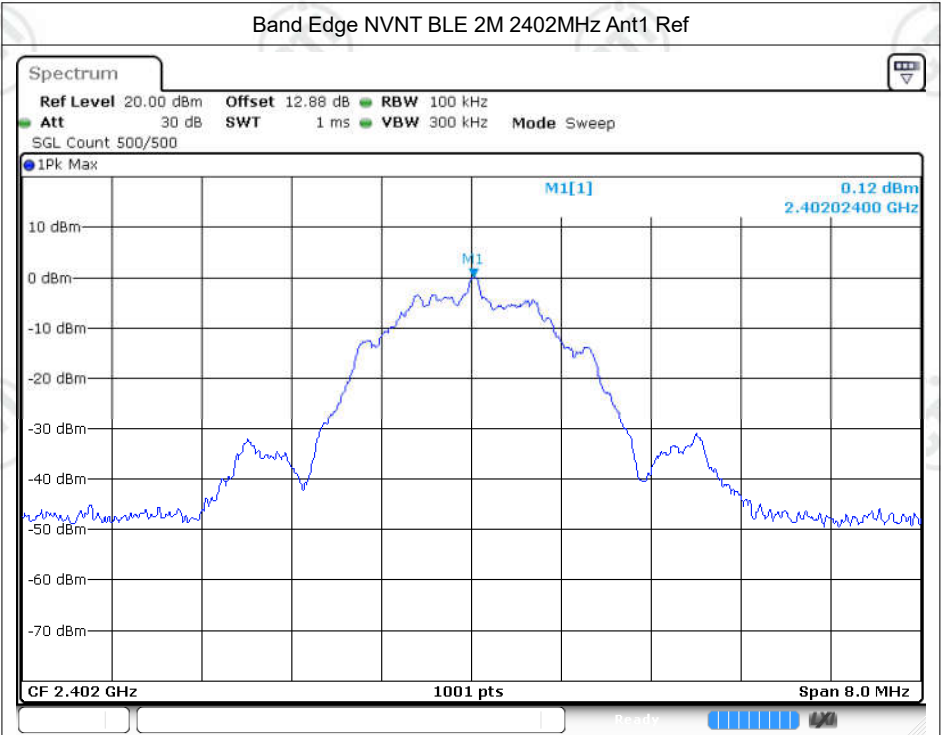




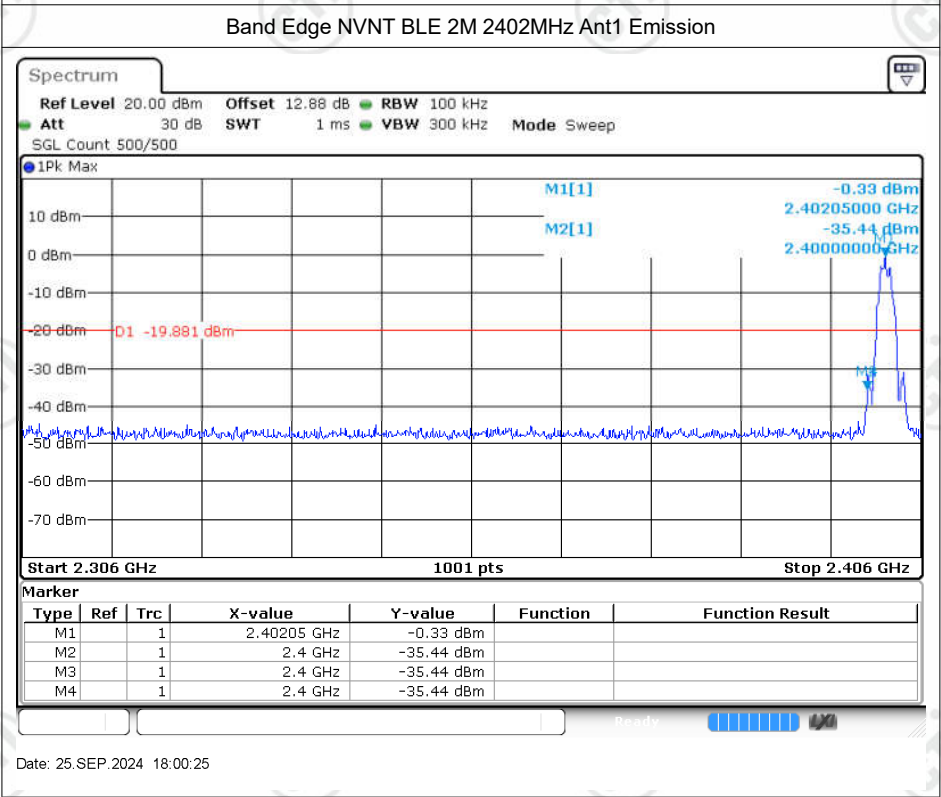
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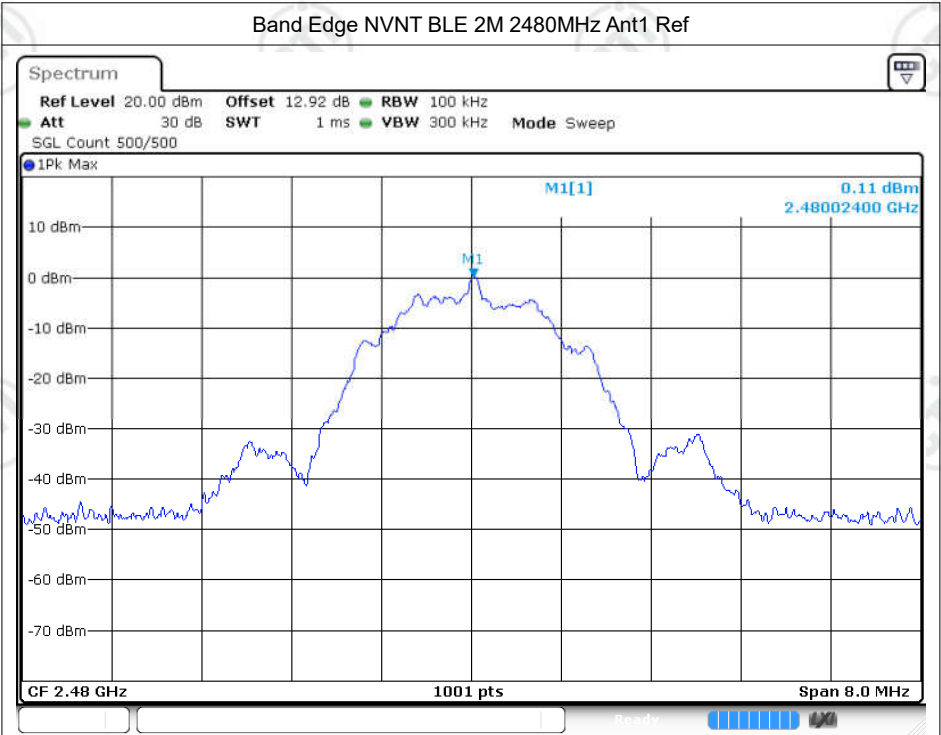
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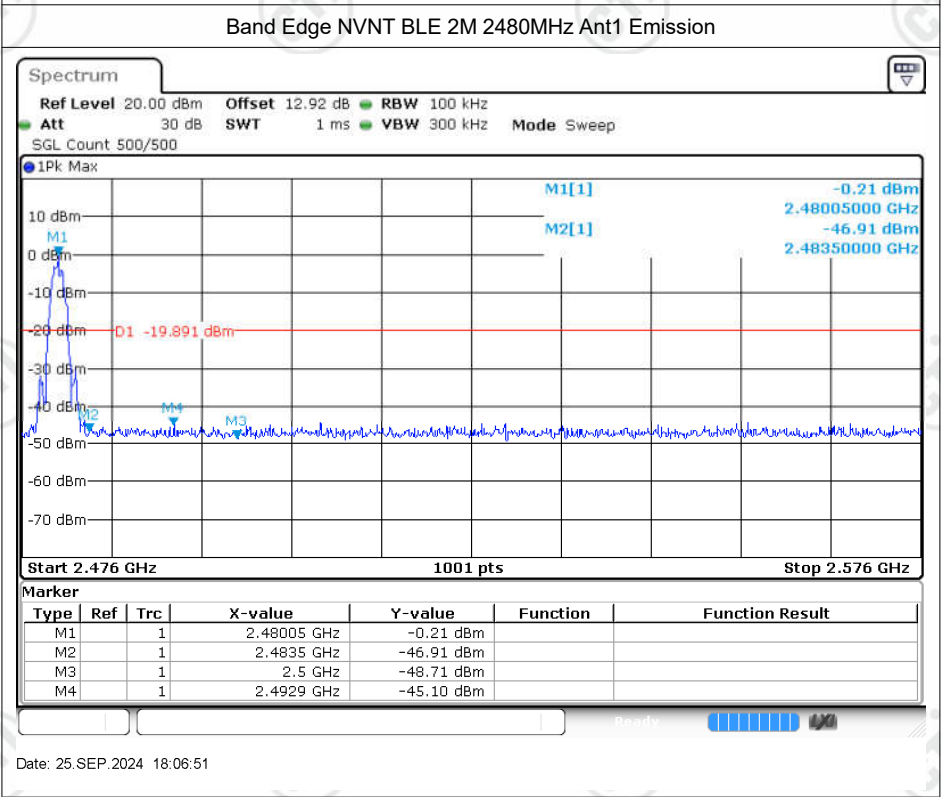
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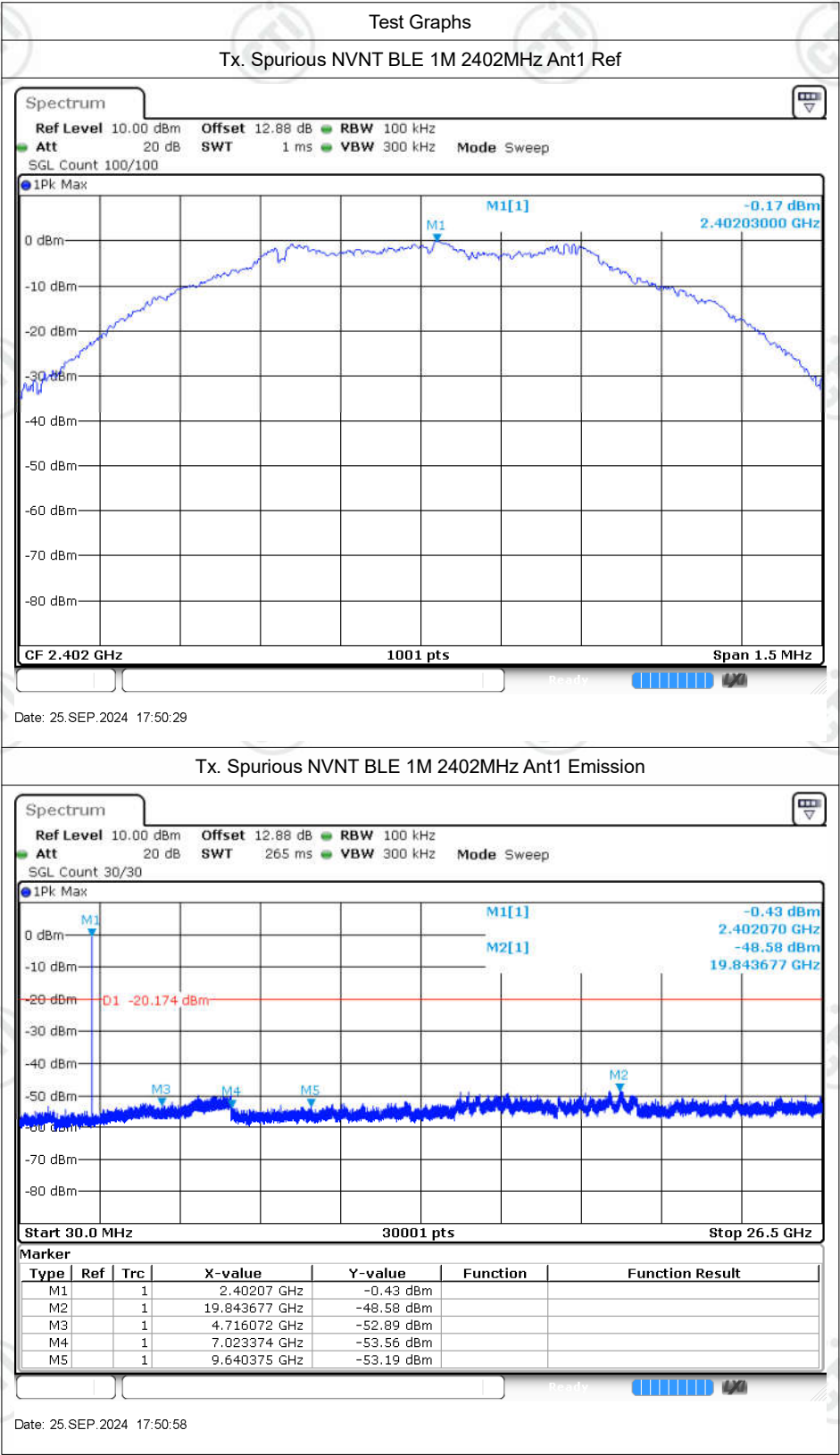
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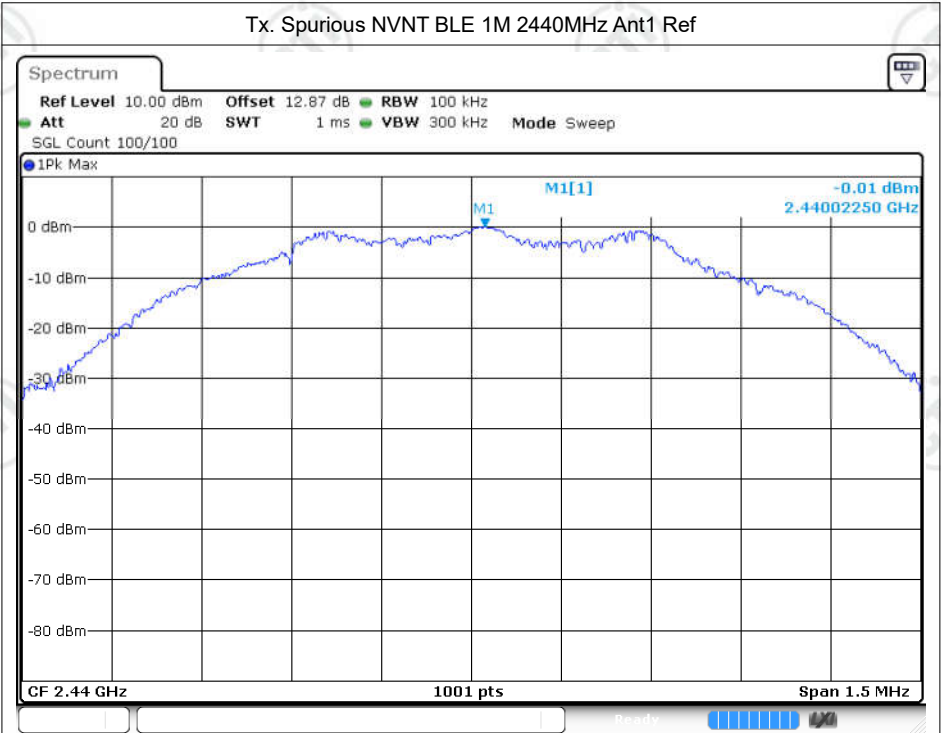


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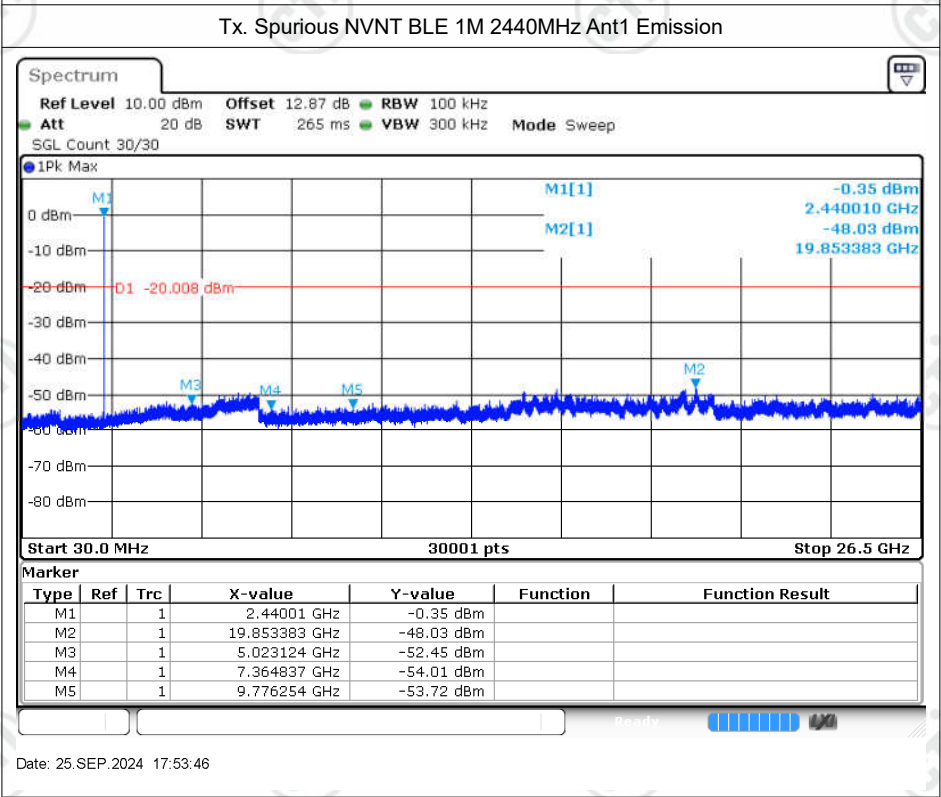
Conducted RF Spurious Emission

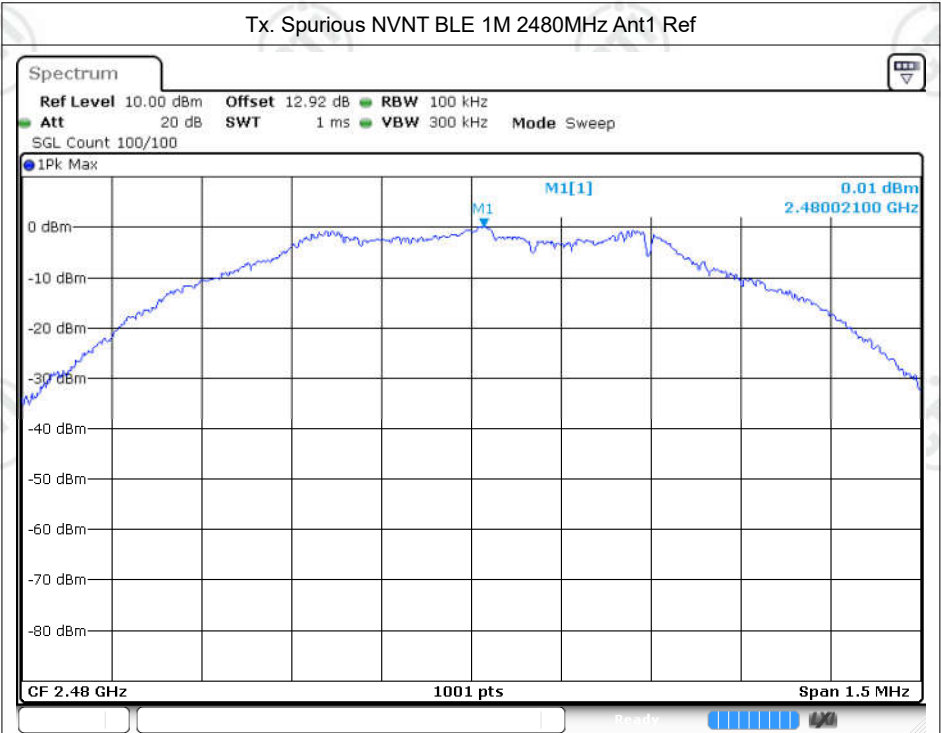
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-48.4	-20	Pass
NVNT	BLE 1M	2440	Ant1	-48.02	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.44	-20	Pass
NVNT	BLE 2M	2402	Ant1	-48.46	-20	Pass
NVNT	BLE 2M	2440	Ant1	-48.46	-20	Pass
NVNT	BLE 2M	2480	Ant1	-48.92	-20	Pass



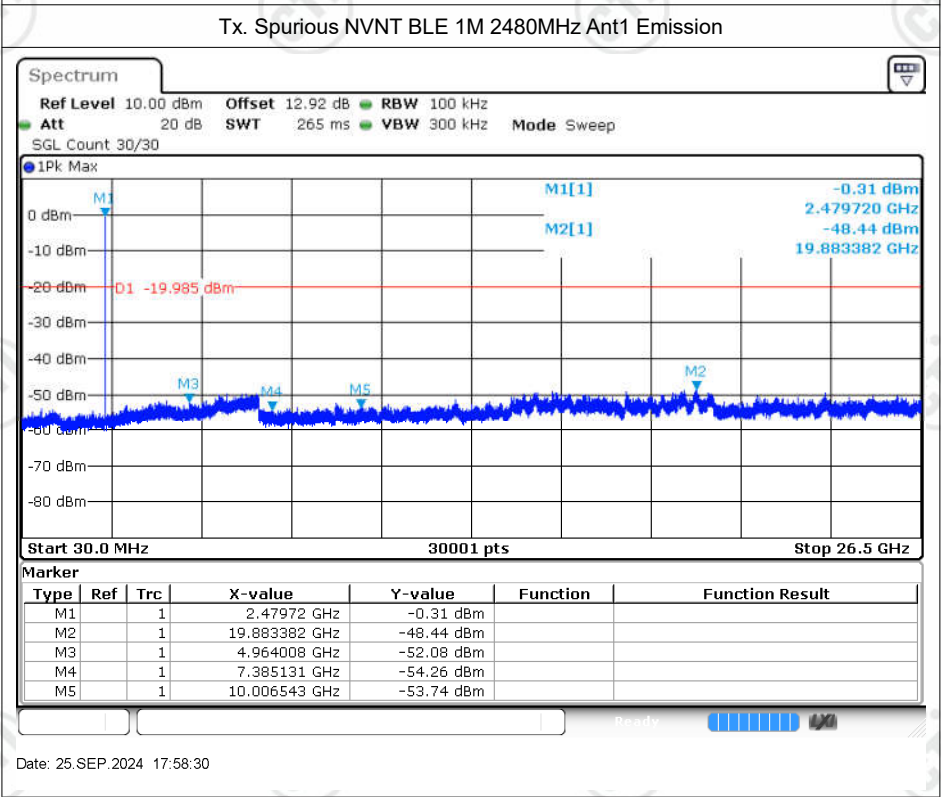


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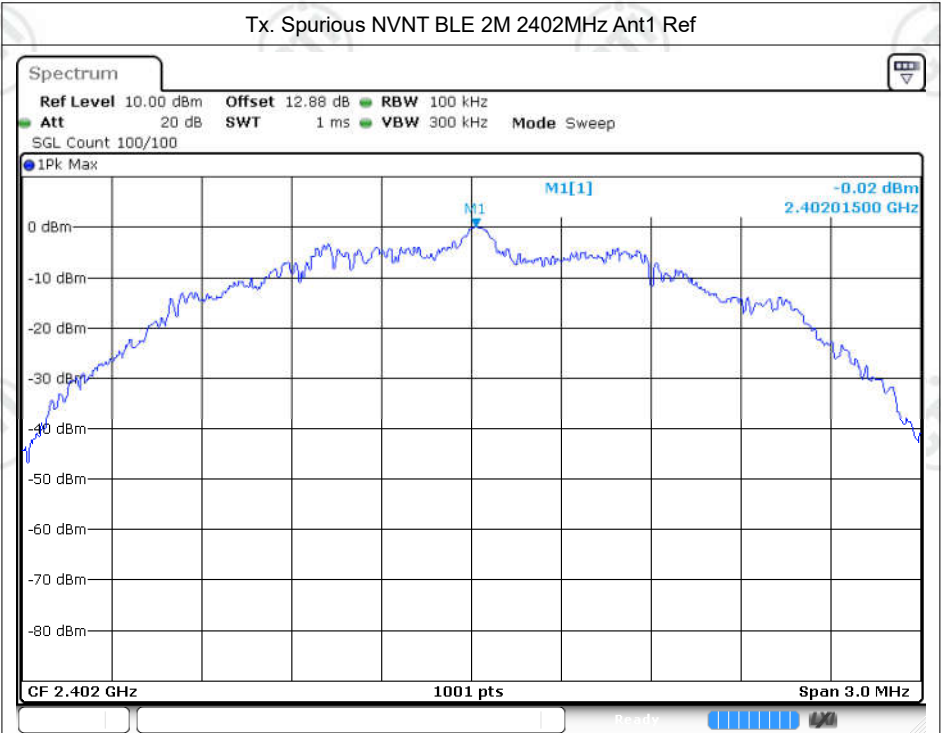




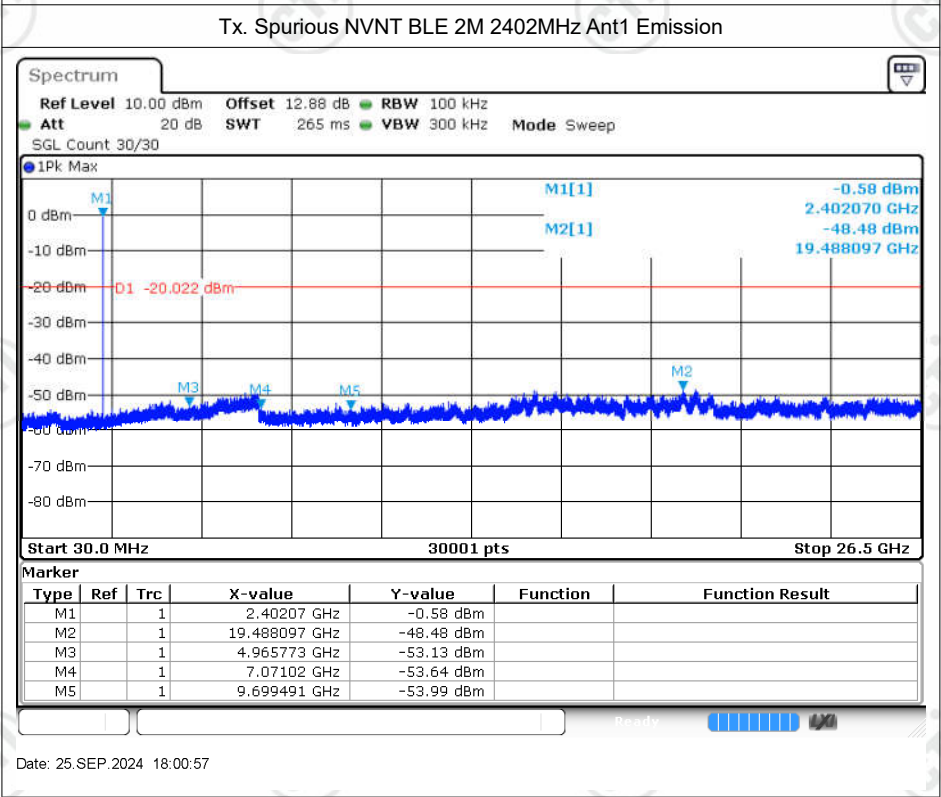
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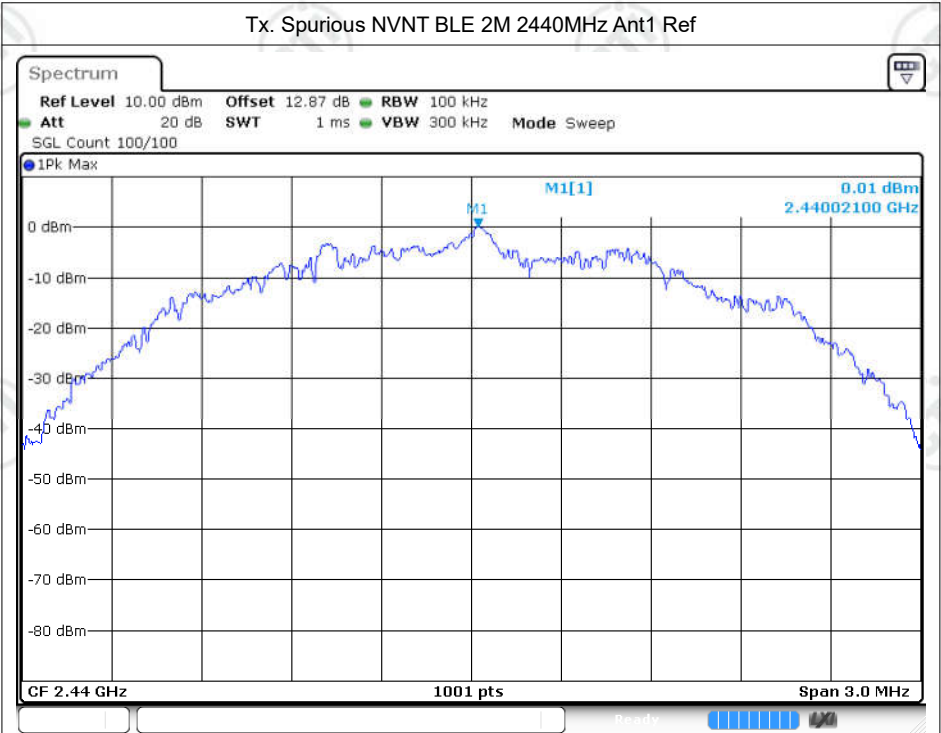
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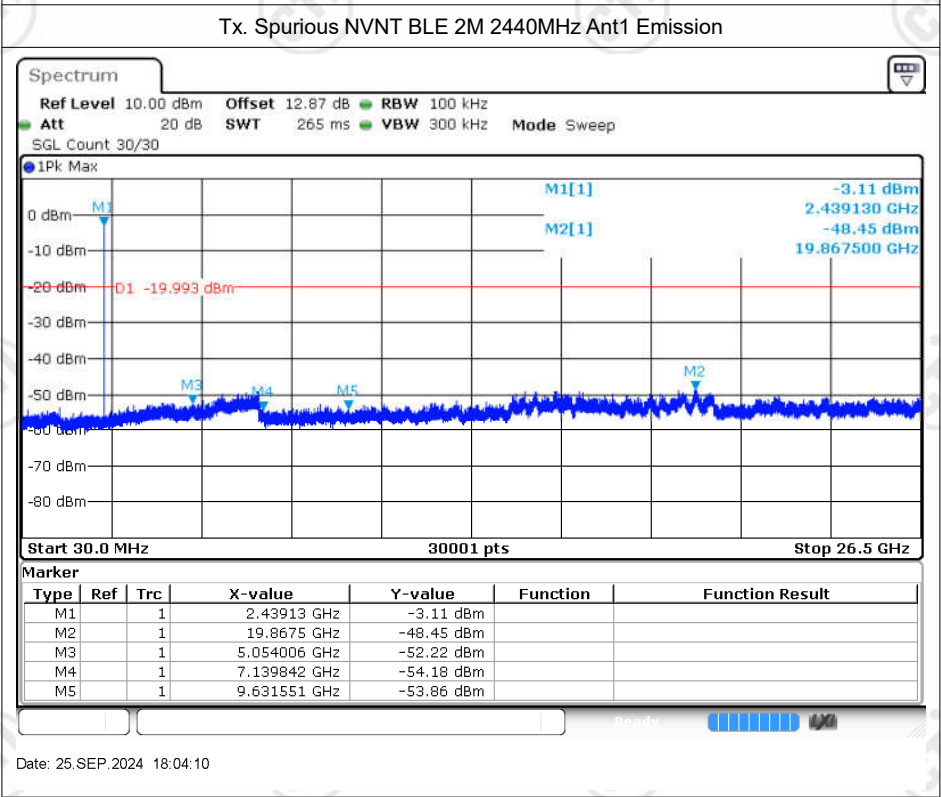
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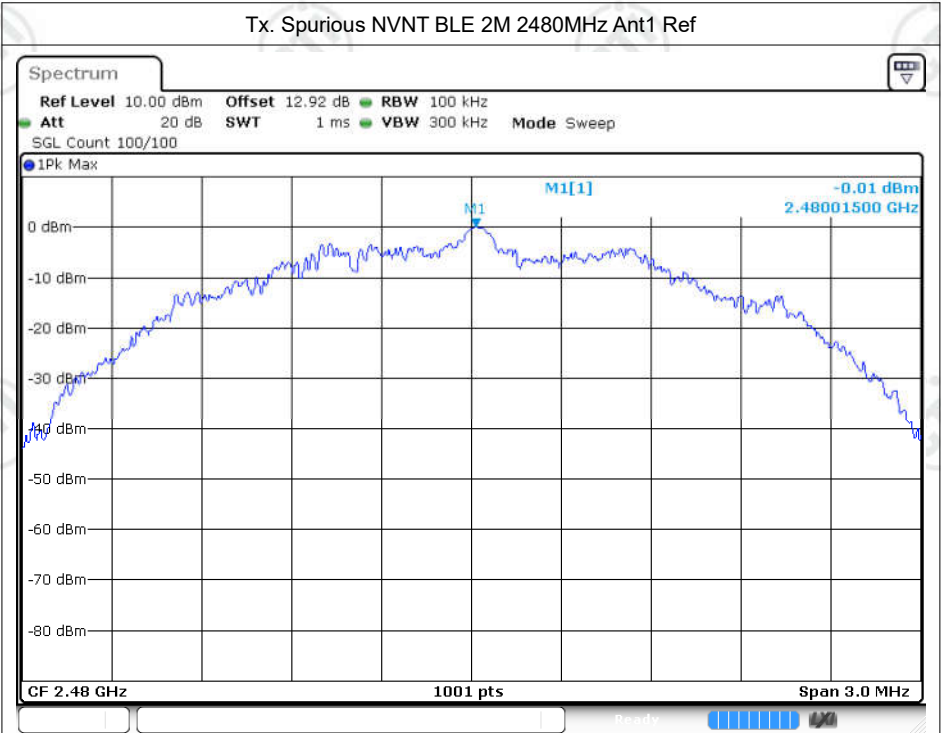
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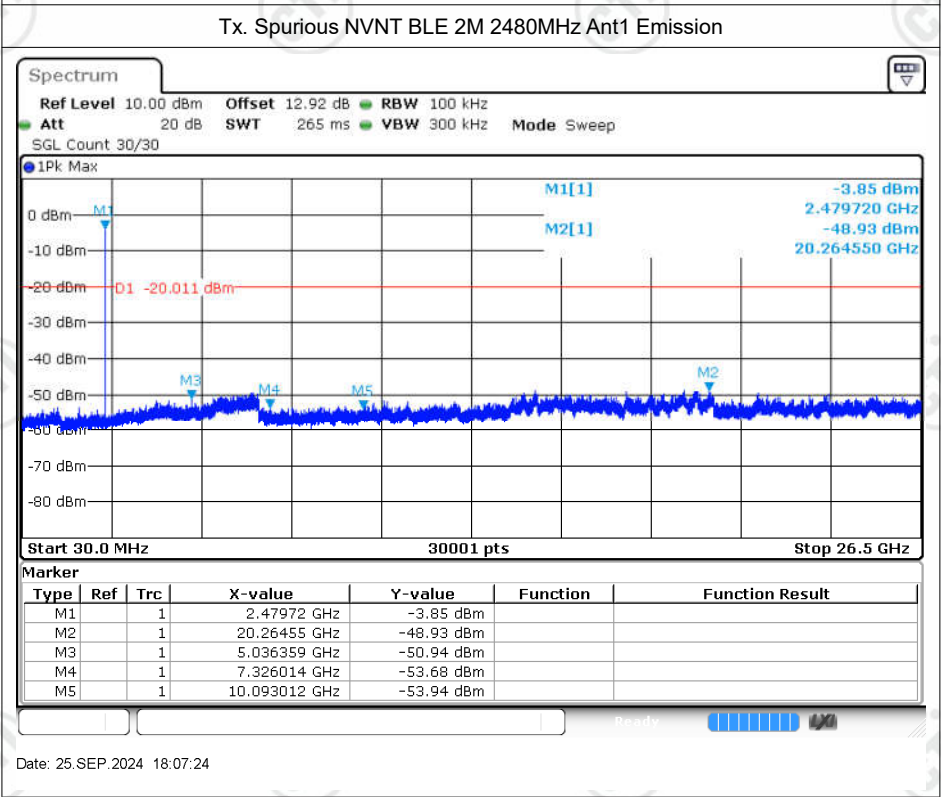
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Date: 25.SEP.2024 18:06:54



Date: 25.SEP.2024 18:07:24

*** End of Report ***