

Appendix: Bluetooth LE

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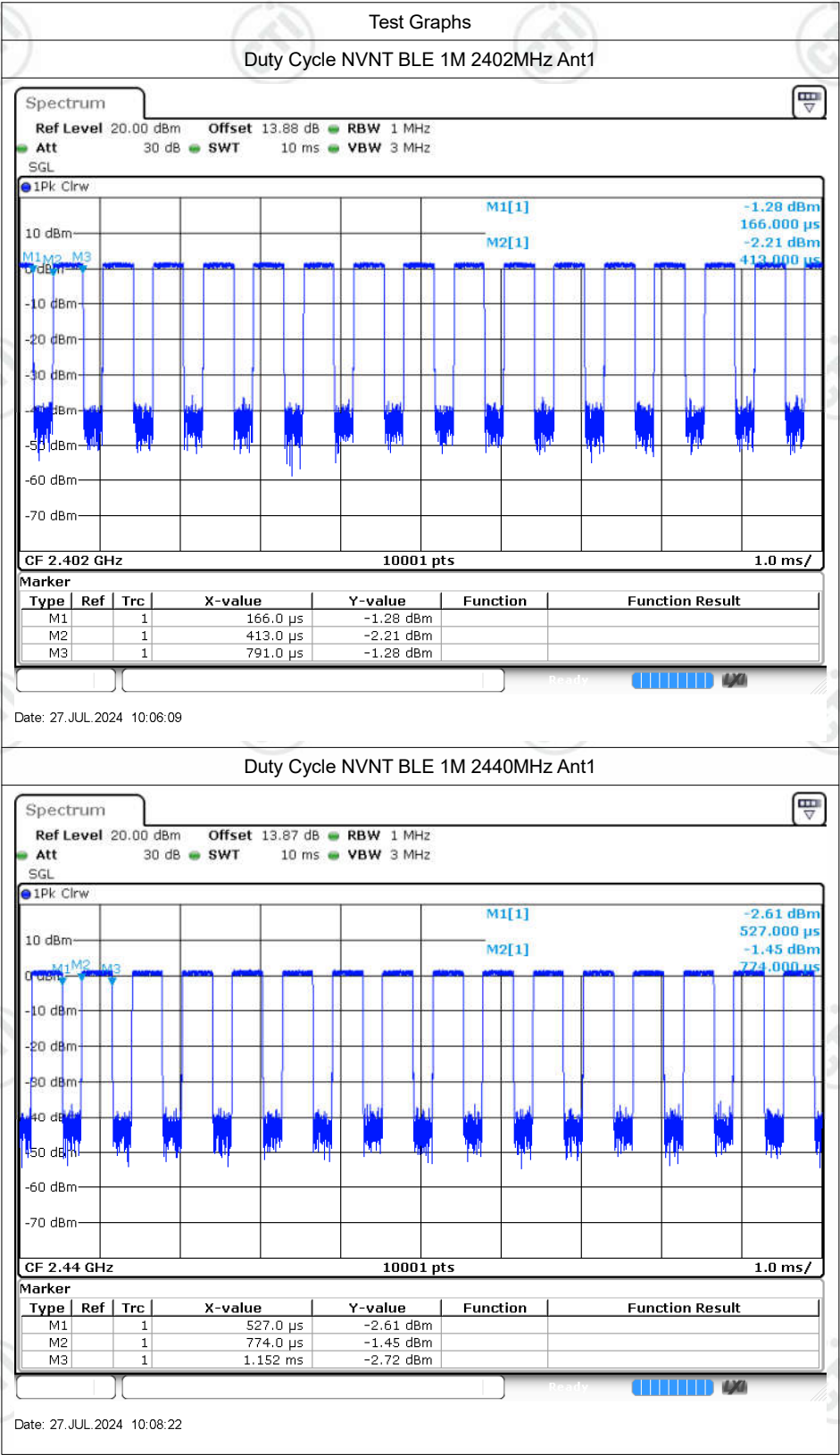
Band Edge23

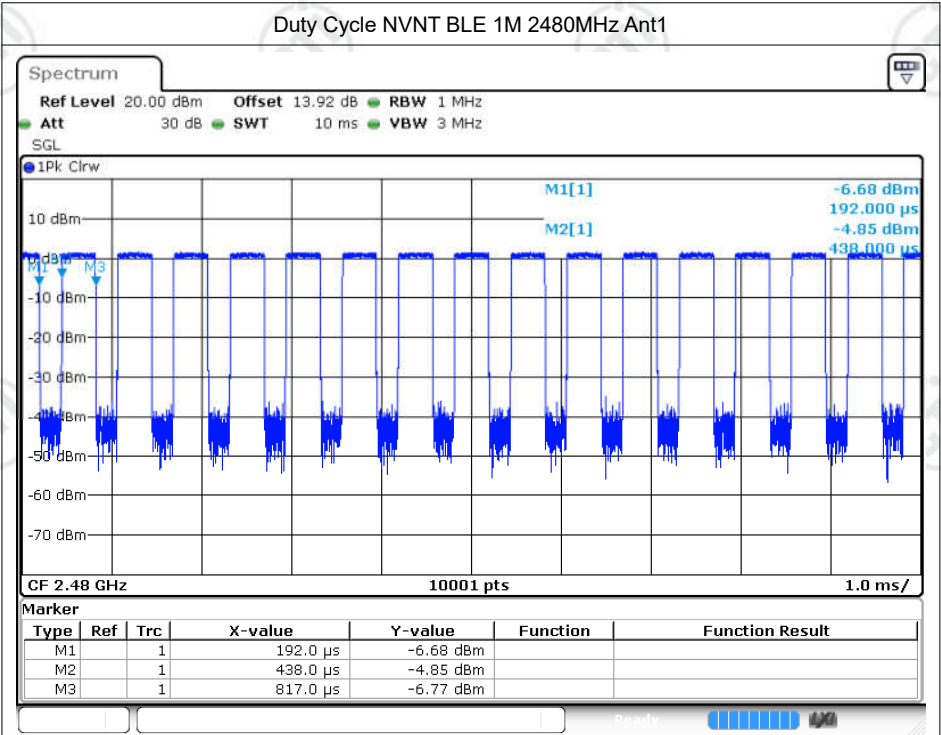
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Duty Cycle

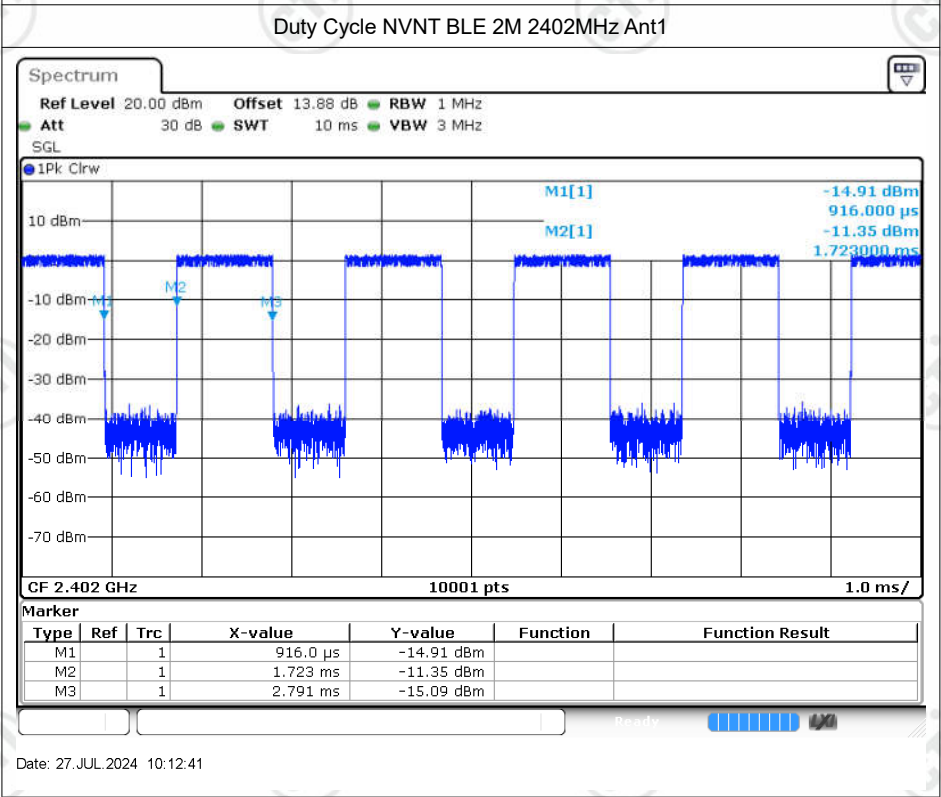
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	60.48	2.18	2.65
NVNT	BLE 1M	2440	Ant1	60.48	2.18	2.65
NVNT	BLE 1M	2480	Ant1	60.64	2.17	2.64
NVNT	BLE 2M	2402	Ant1	56.96	2.44	0.94
NVNT	BLE 2M	2440	Ant1	56.96	2.44	0.94
NVNT	BLE 2M	2480	Ant1	56.96	2.44	0.94

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

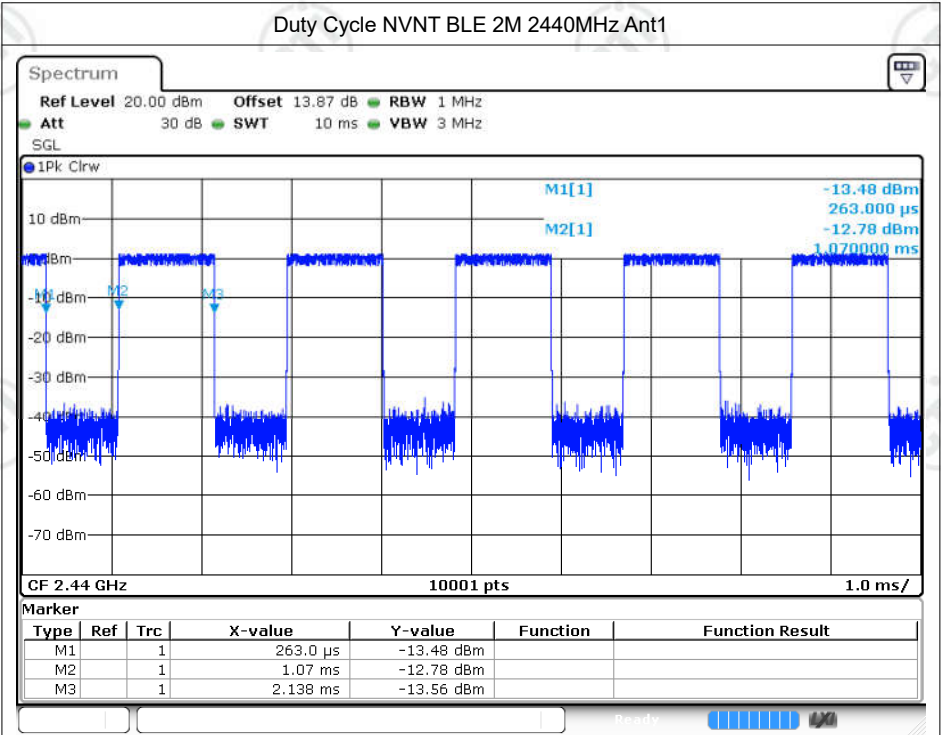




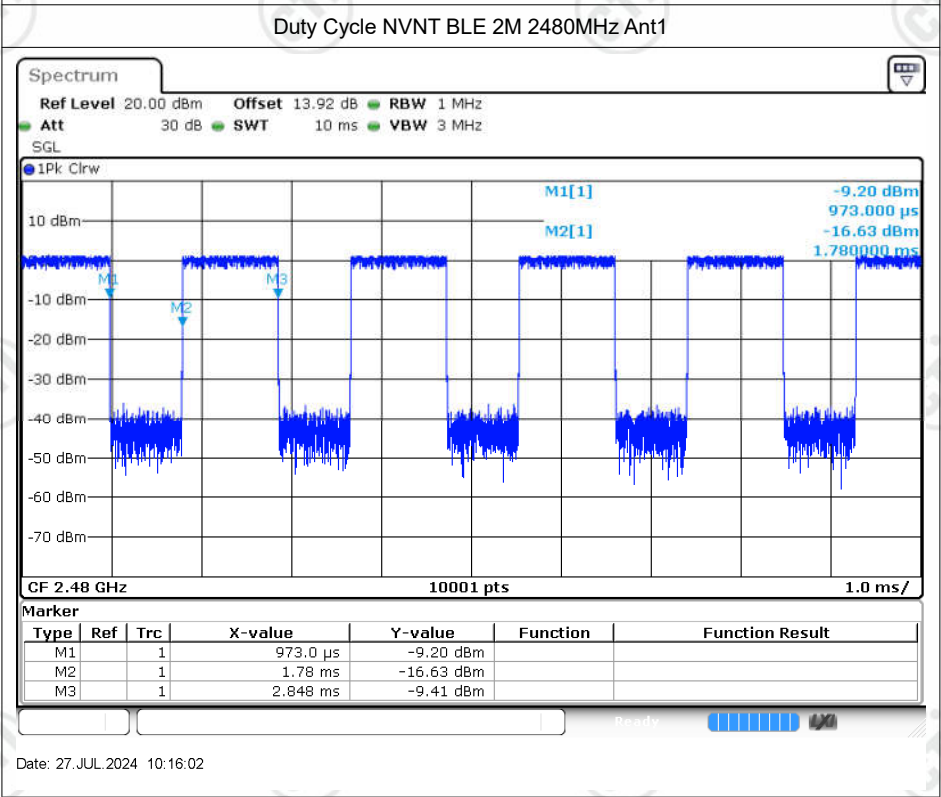
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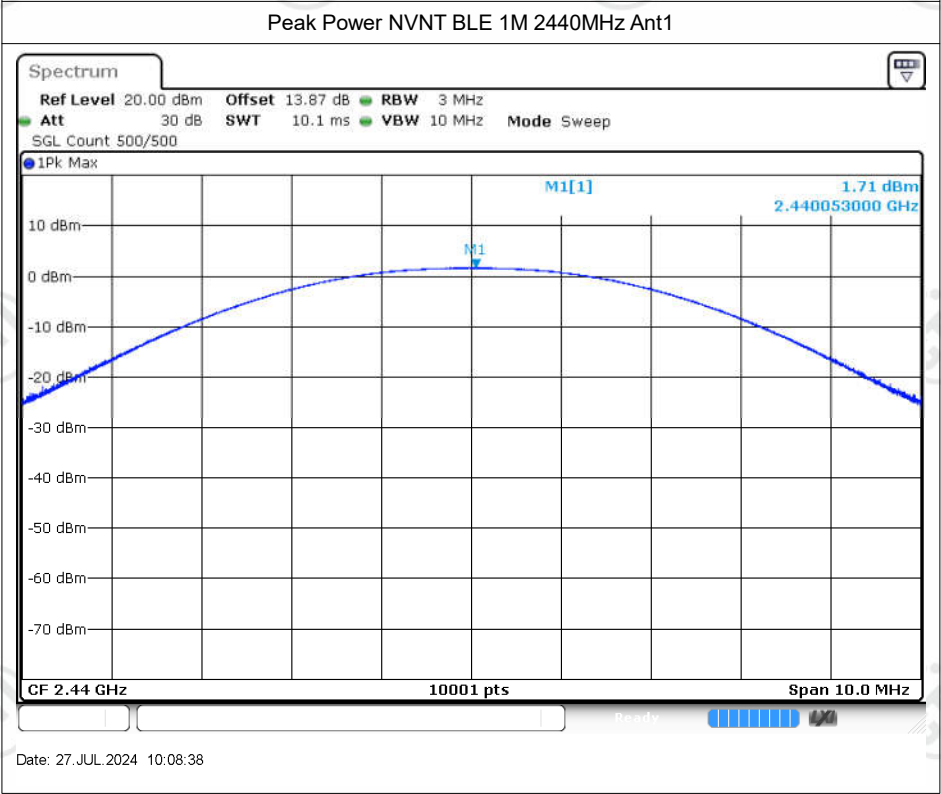
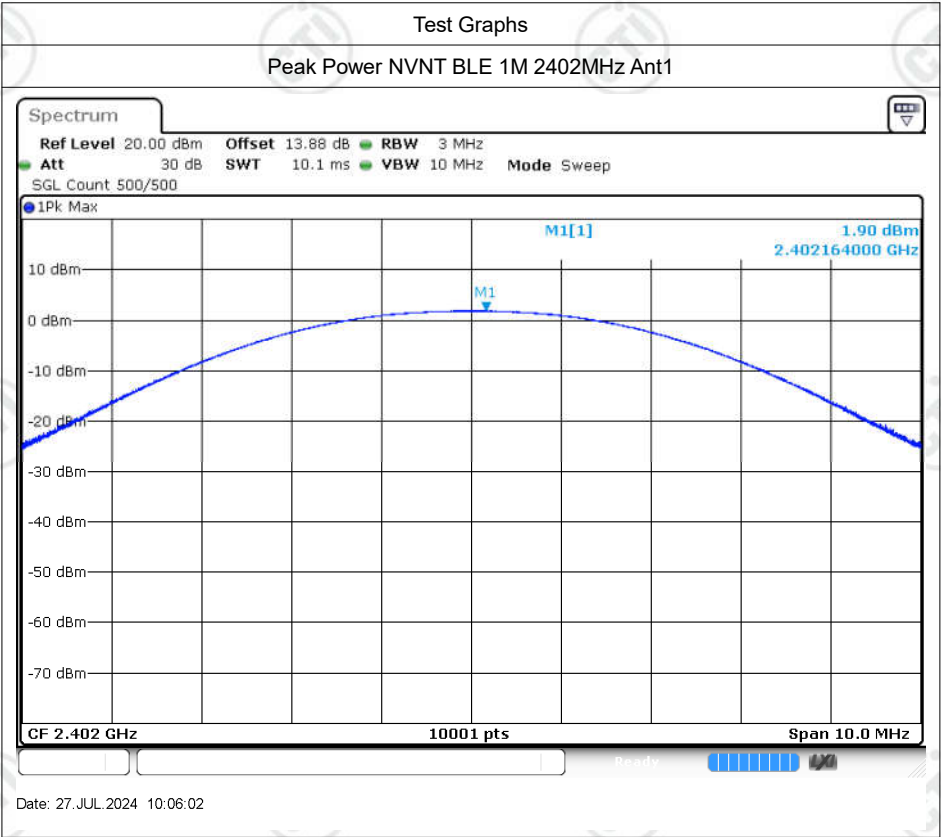
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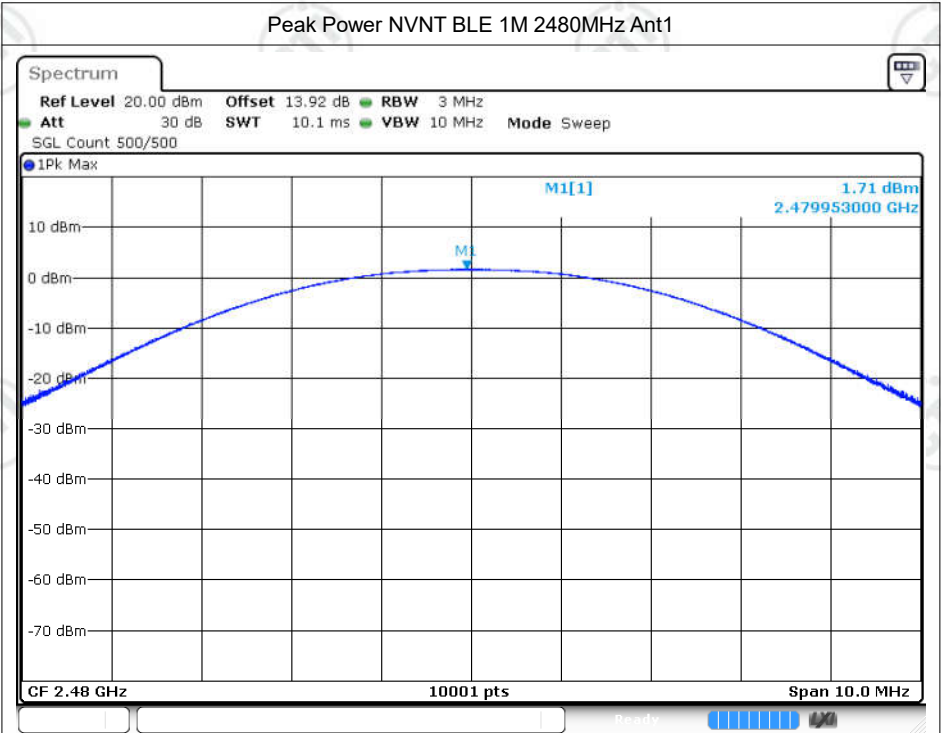


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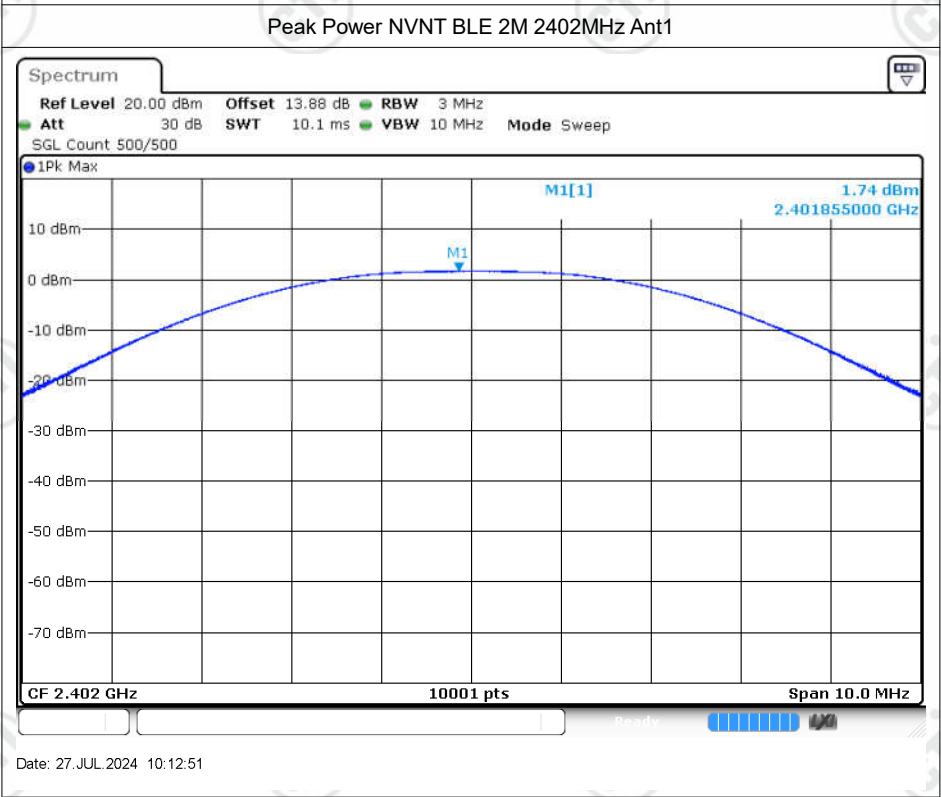
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.90	30	Pass
NVNT	BLE 1M	2440	Ant1	1.71	30	Pass
NVNT	BLE 1M	2480	Ant1	1.71	30	Pass
NVNT	BLE 2M	2402	Ant1	1.74	30	Pass
NVNT	BLE 2M	2440	Ant1	1.52	30	Pass
NVNT	BLE 2M	2480	Ant1	1.53	30	Pass

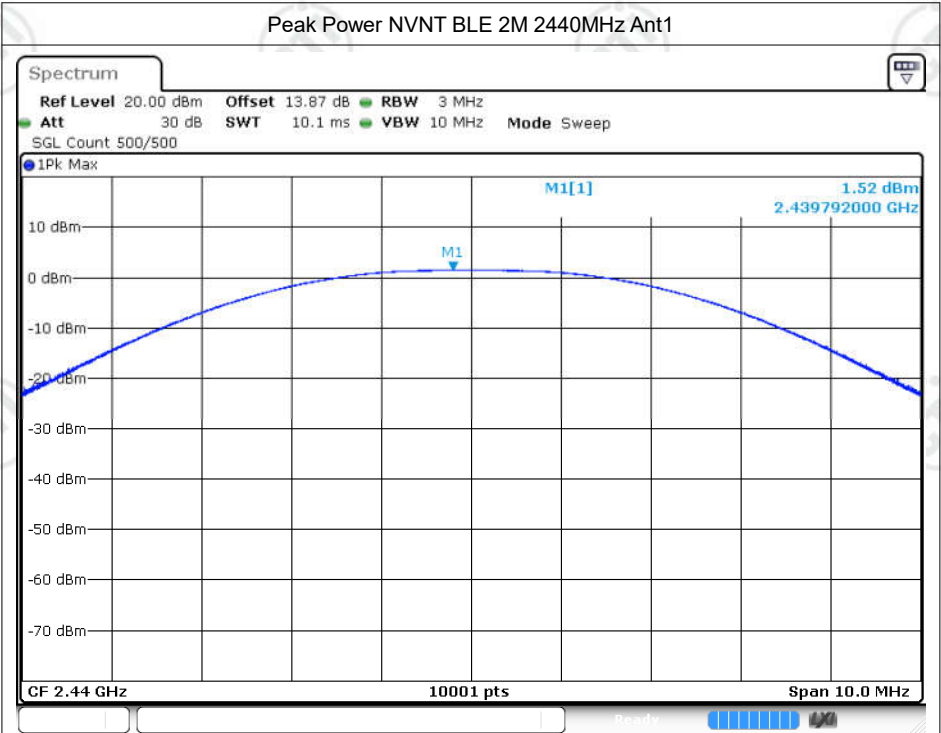




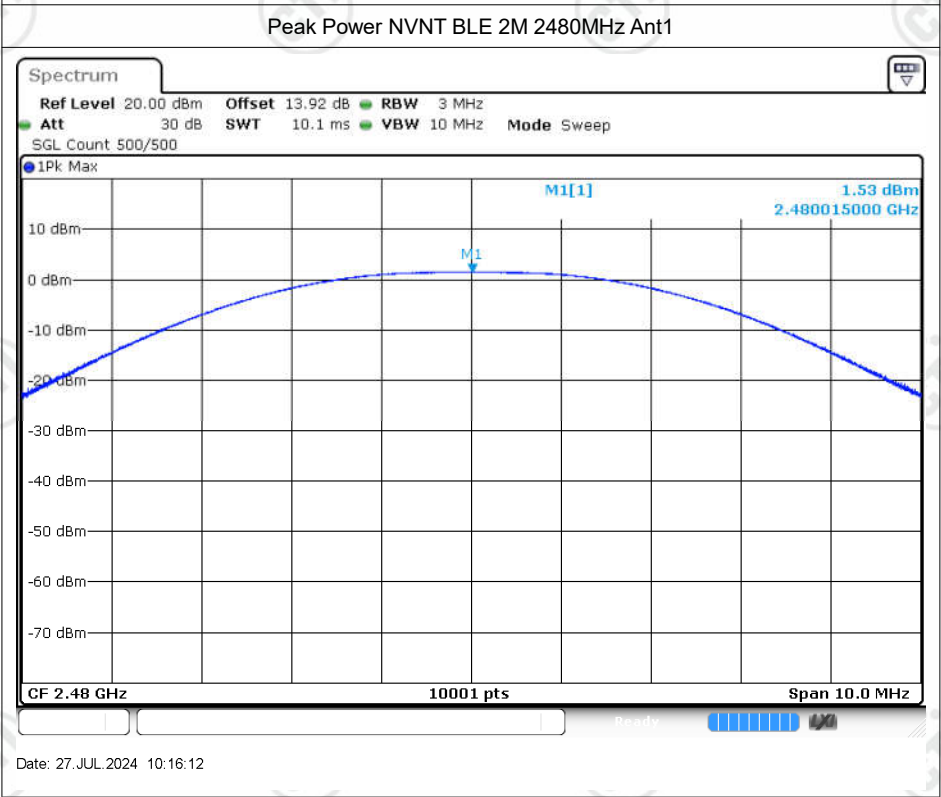
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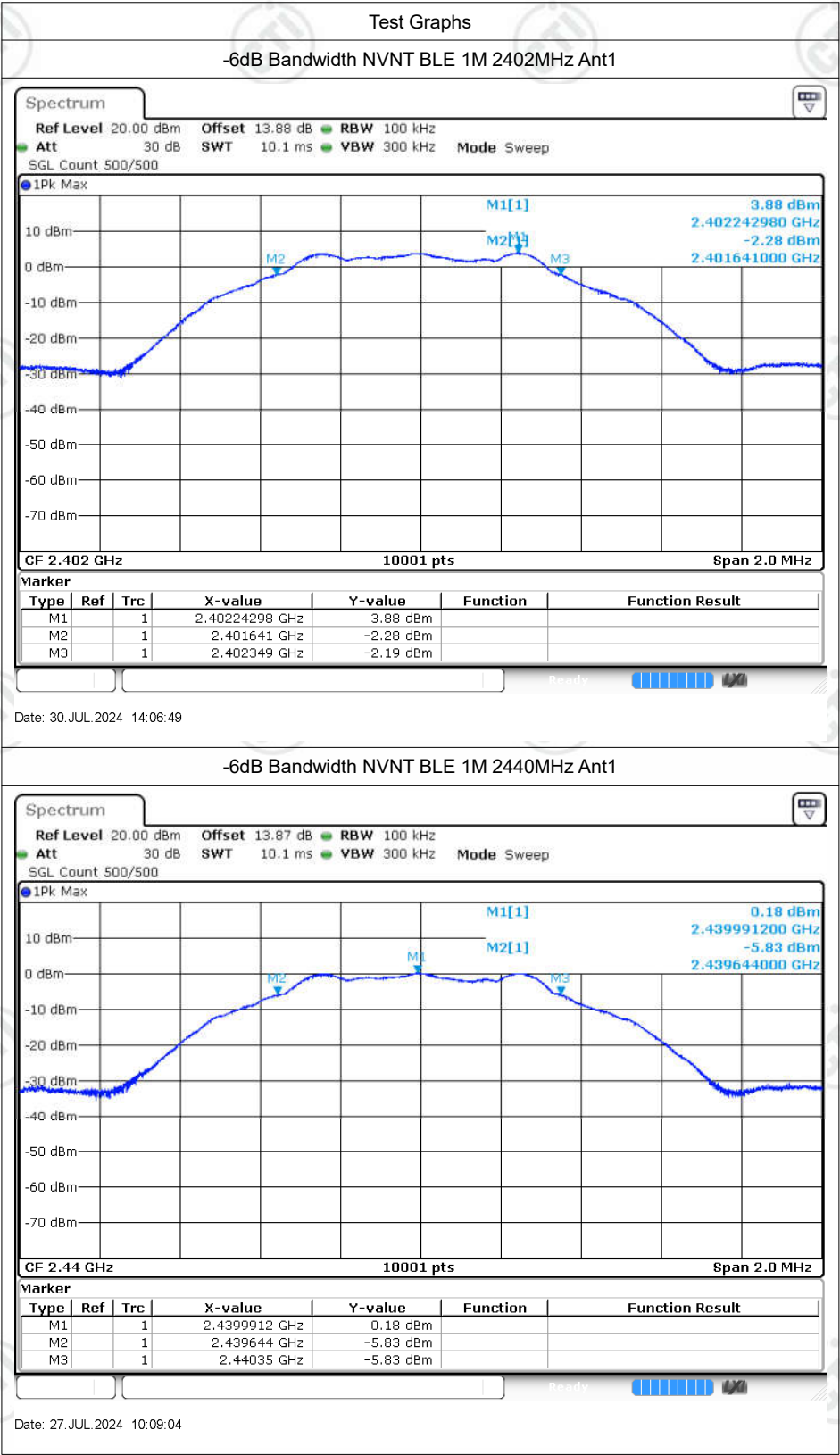
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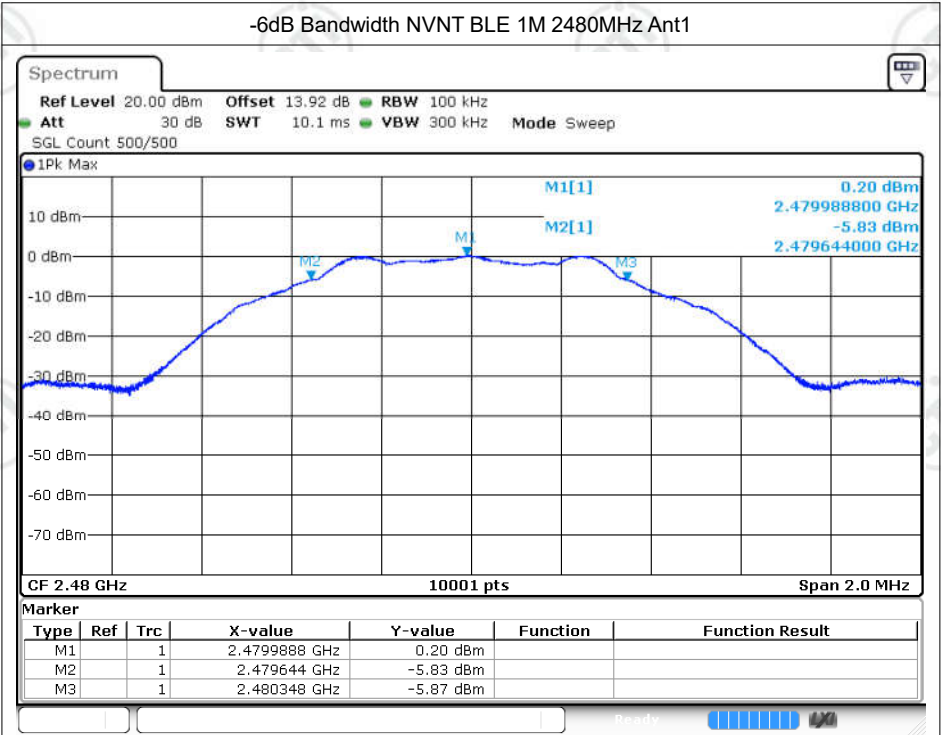


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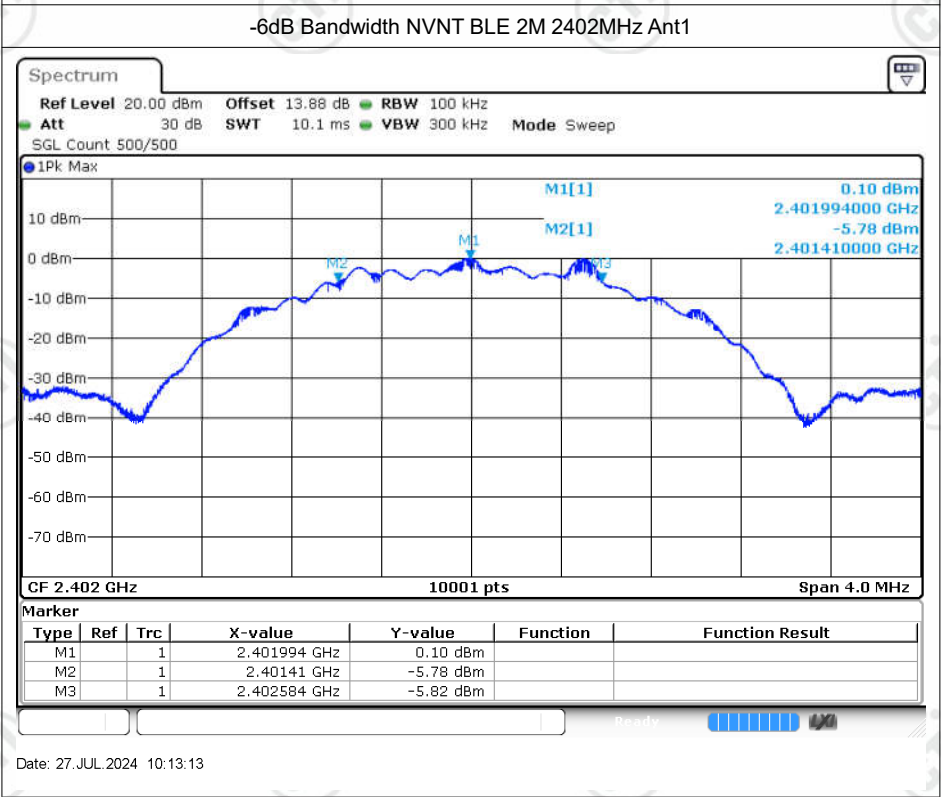
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.707	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.706	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.703	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.175	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.178	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.232	0.5	Pass

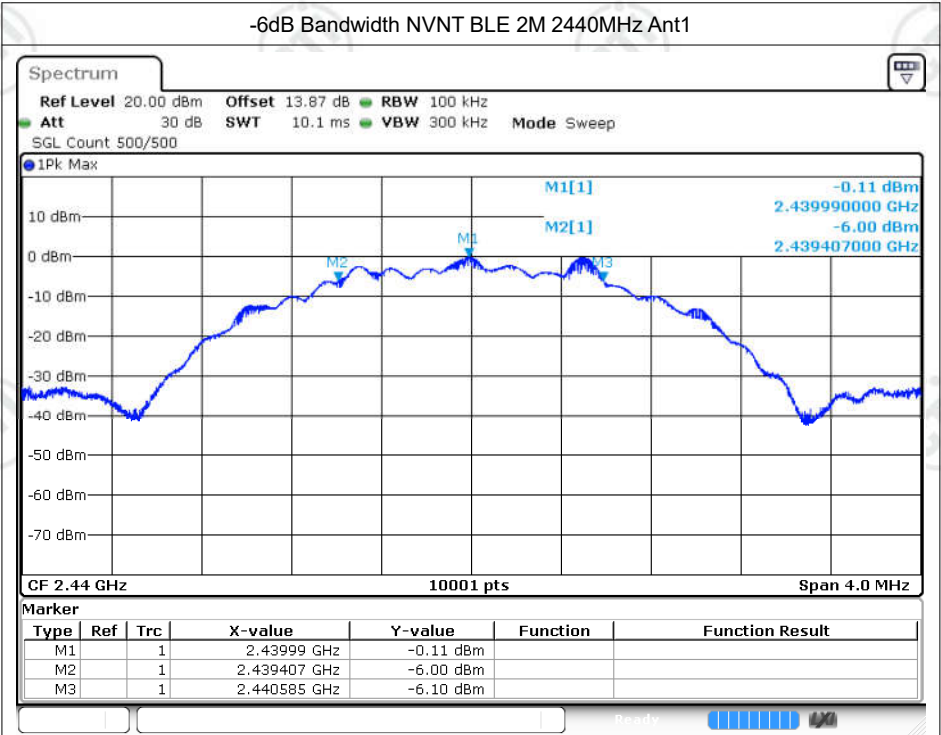




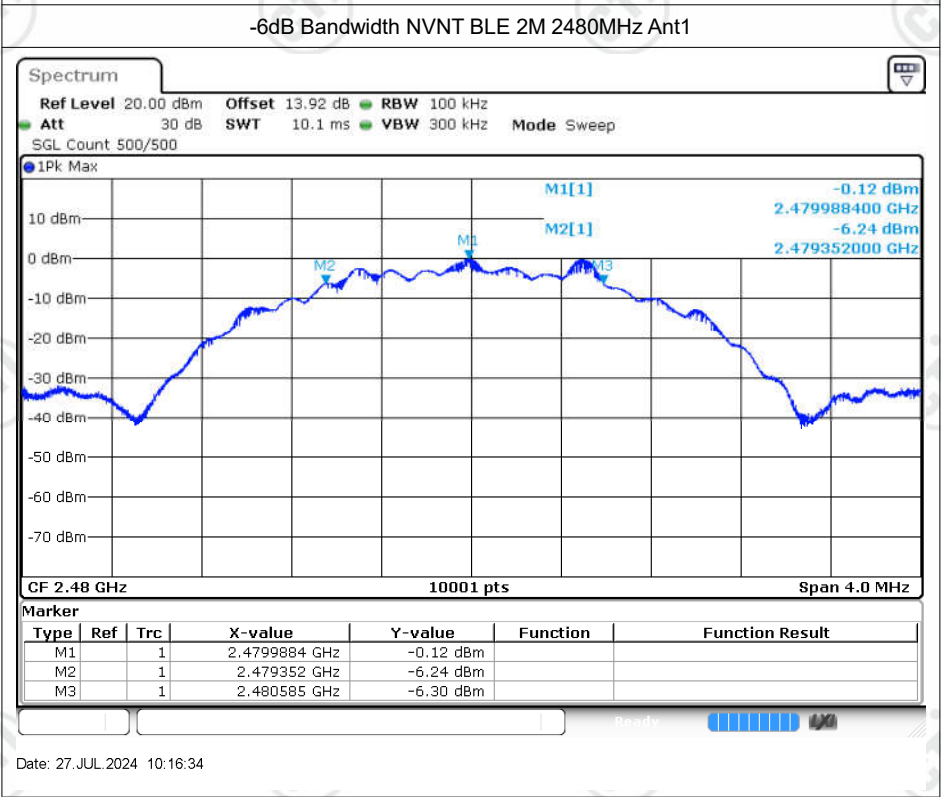
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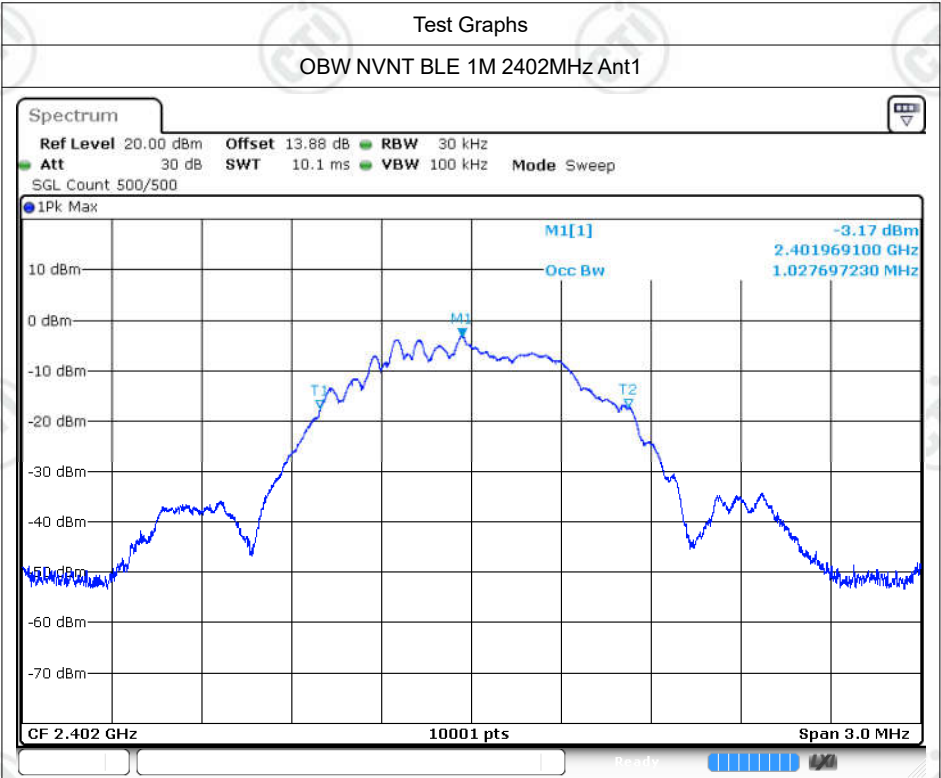
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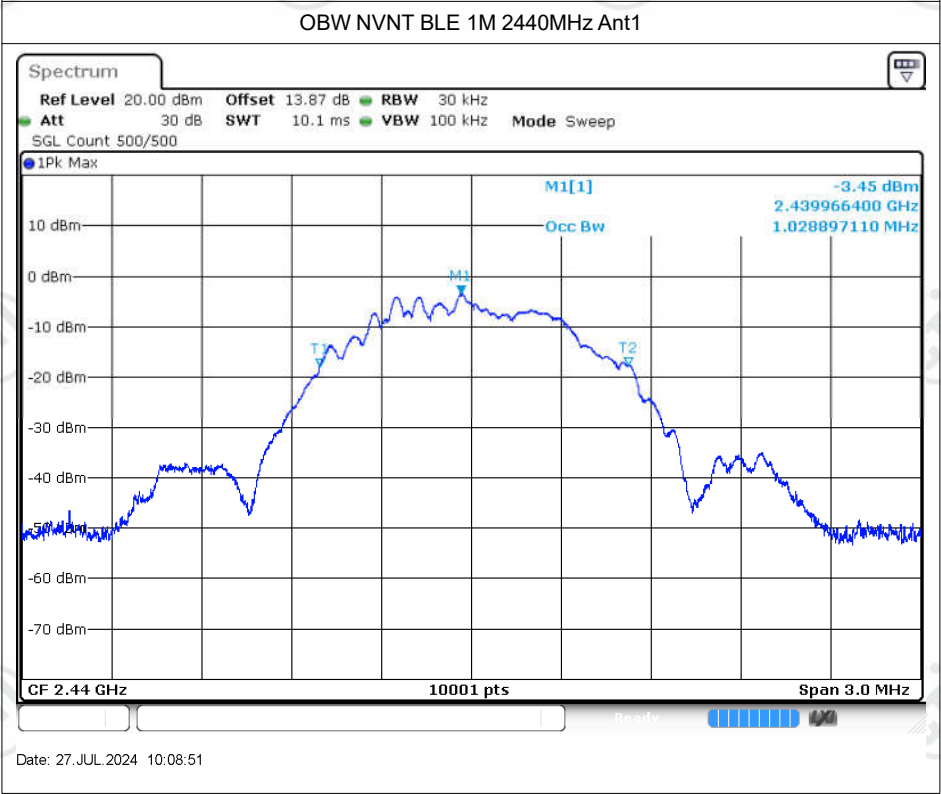
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Occupied Channel Bandwidth

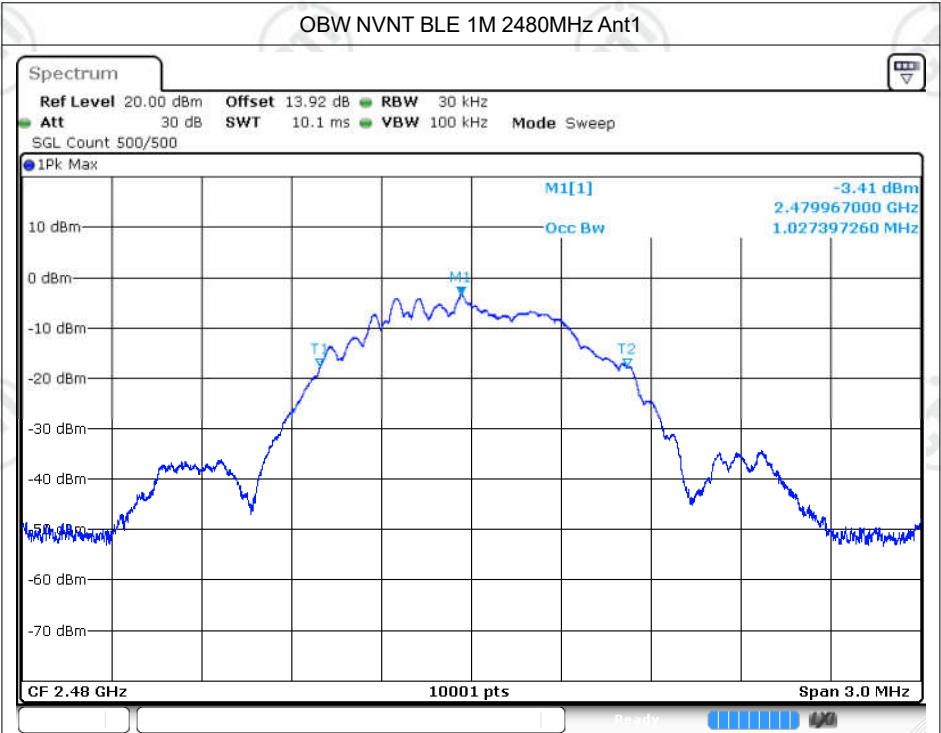
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.028
NVNT	BLE 1M	2440	Ant1	1.029
NVNT	BLE 1M	2480	Ant1	1.027
NVNT	BLE 2M	2402	Ant1	2.05
NVNT	BLE 2M	2440	Ant1	2.049
NVNT	BLE 2M	2480	Ant1	2.051



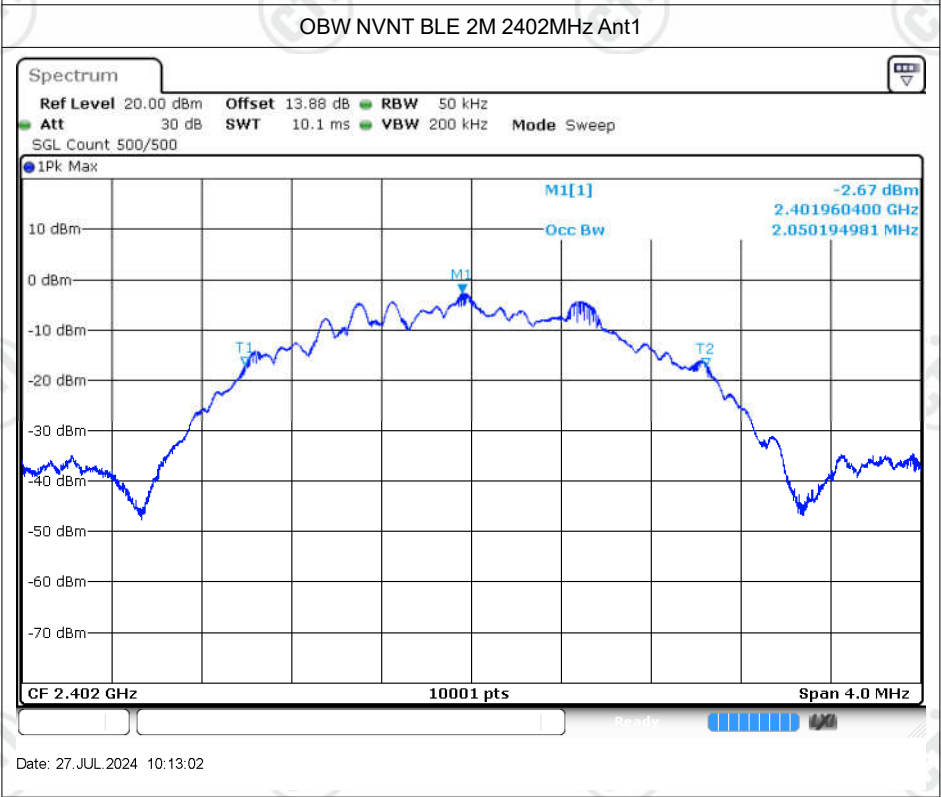
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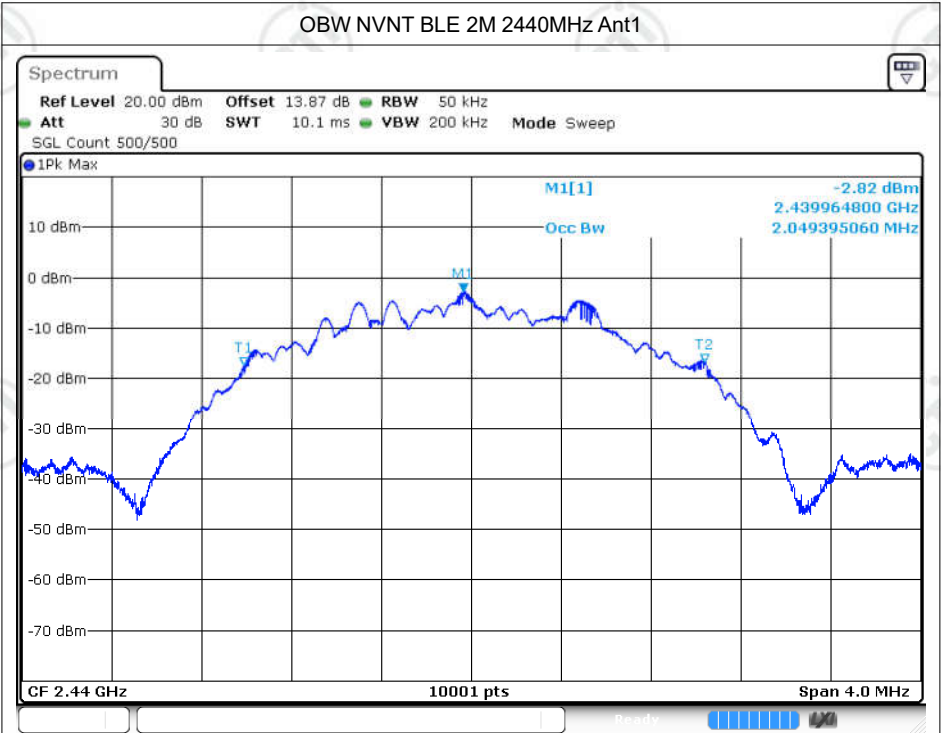
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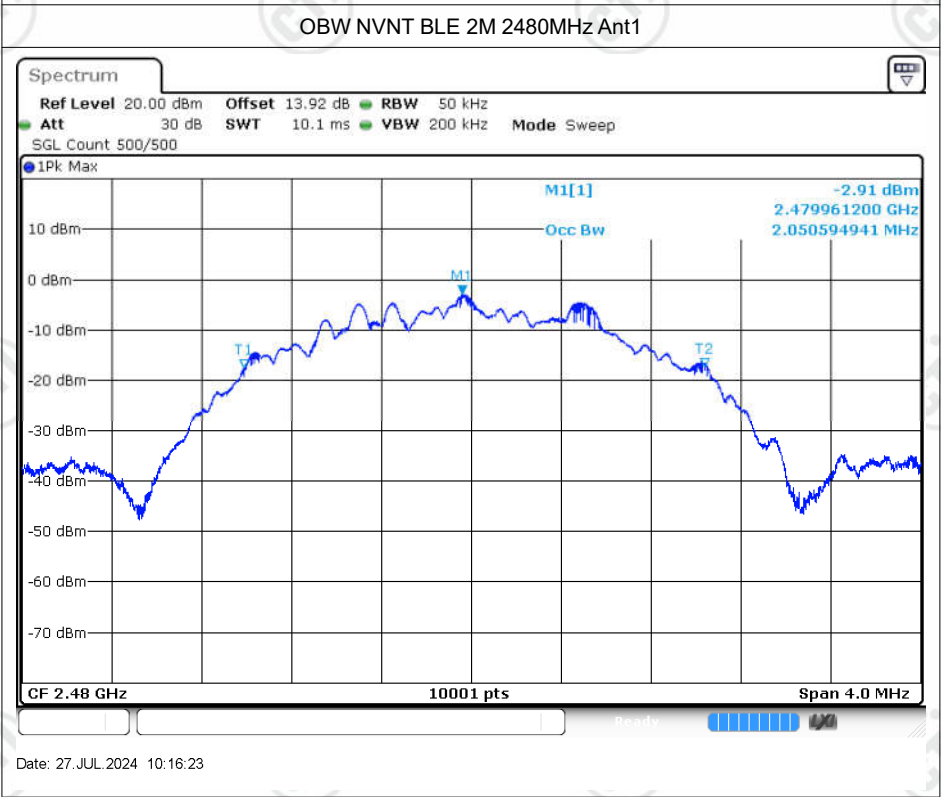
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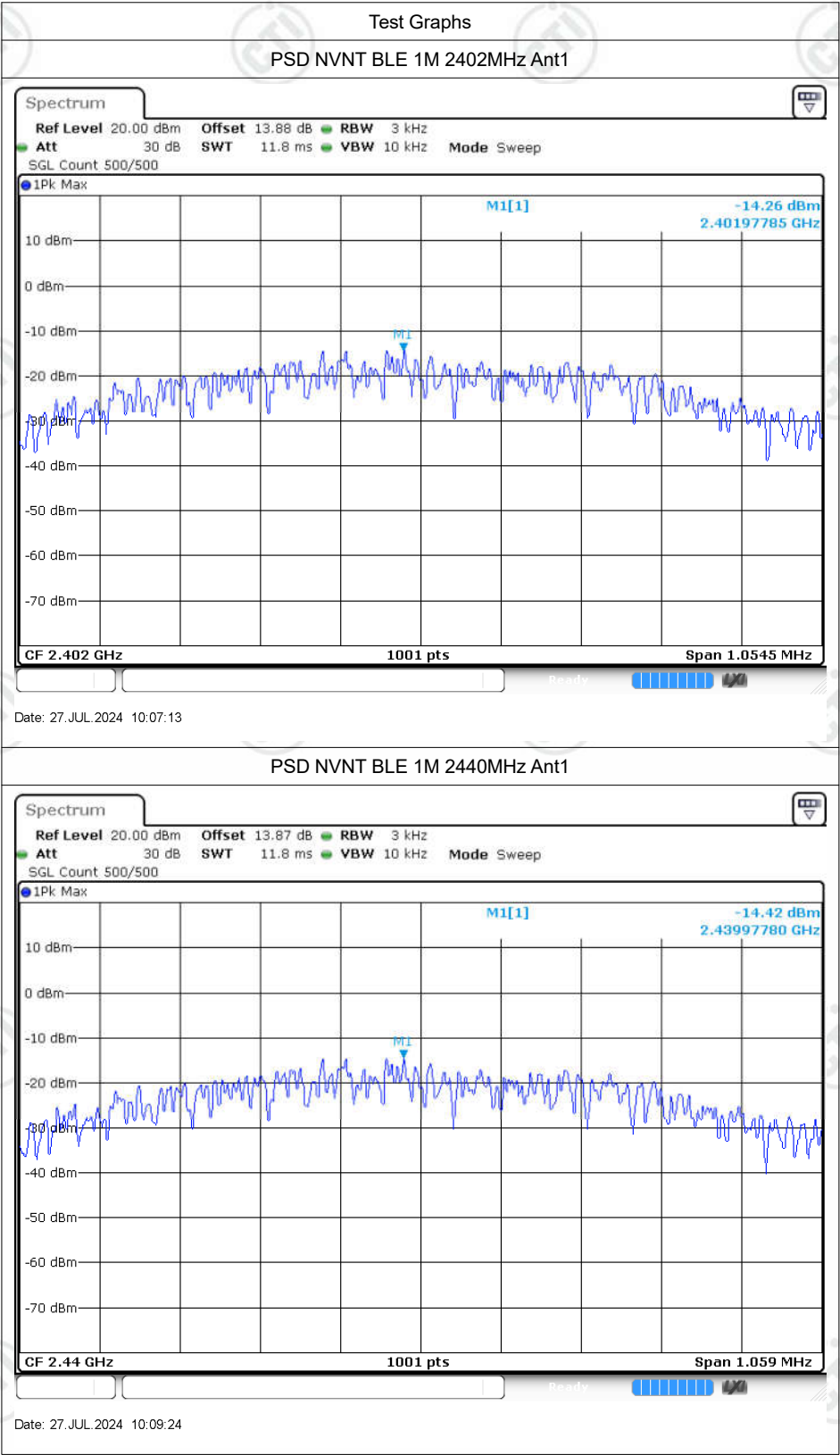
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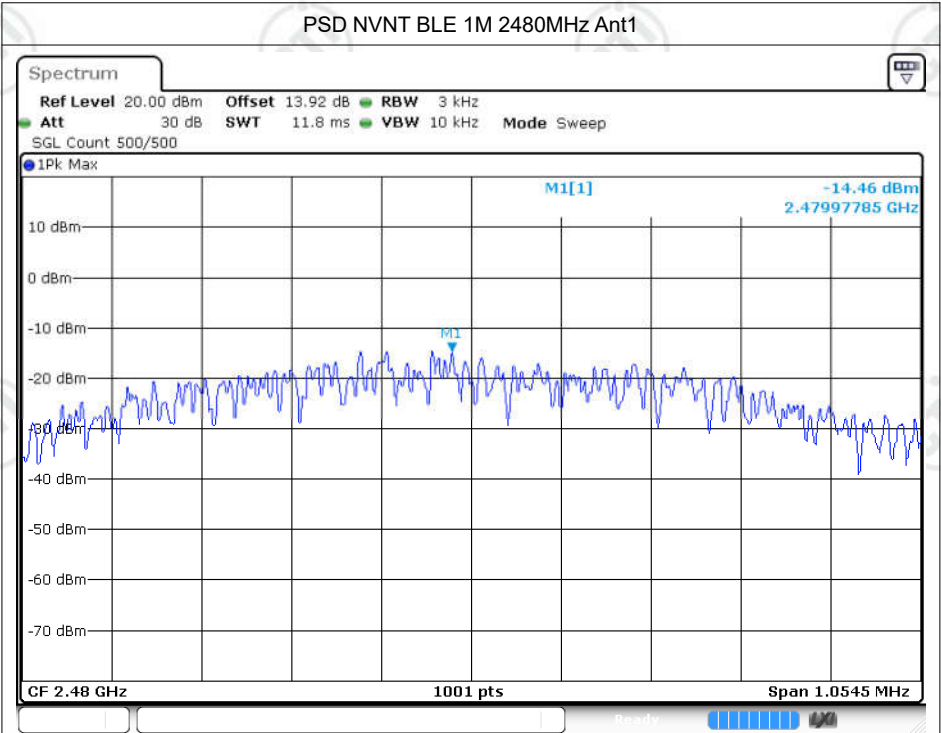


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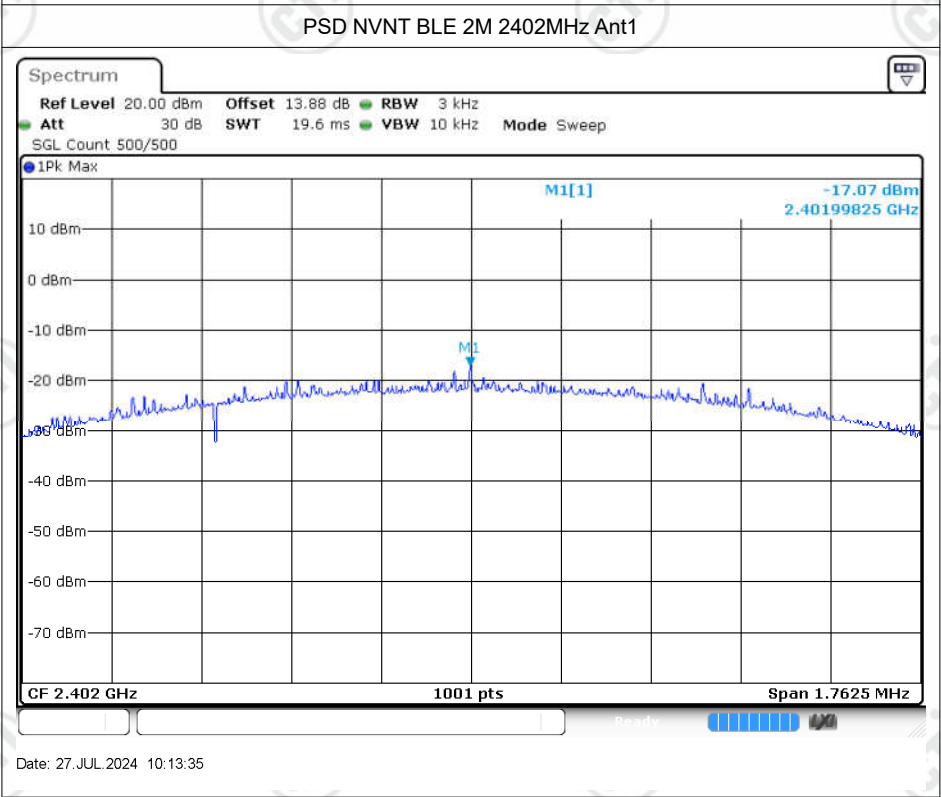
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-14.26	8	Pass
NVNT	BLE 1M	2440	Ant1	-14.42	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.46	8	Pass
NVNT	BLE 2M	2402	Ant1	-17.07	8	Pass
NVNT	BLE 2M	2440	Ant1	-17.19	8	Pass
NVNT	BLE 2M	2480	Ant1	-17.43	8	Pass

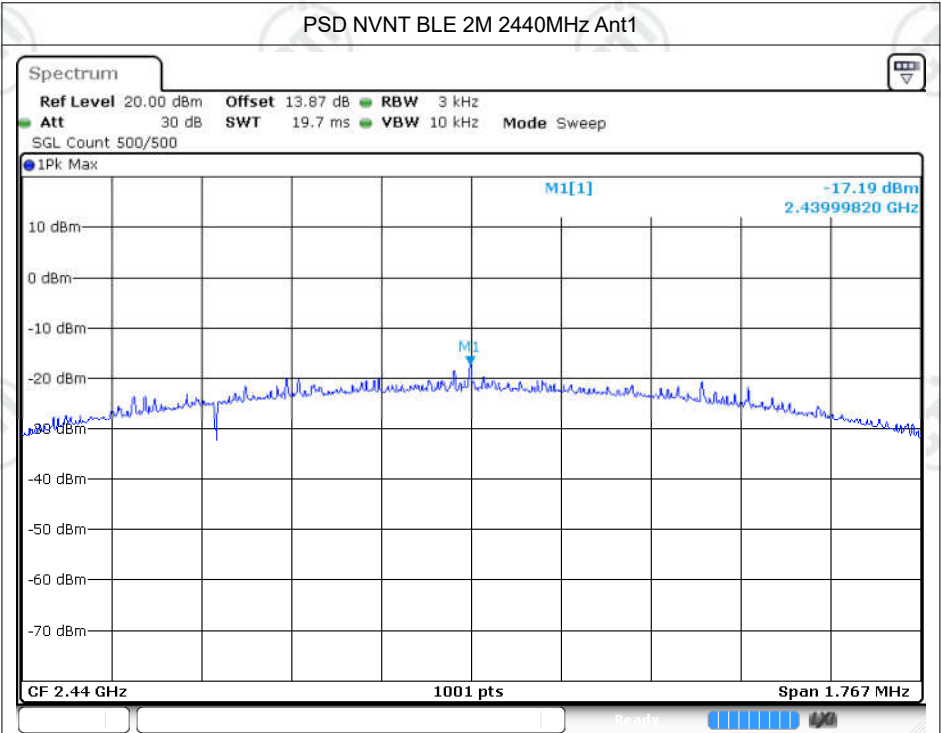




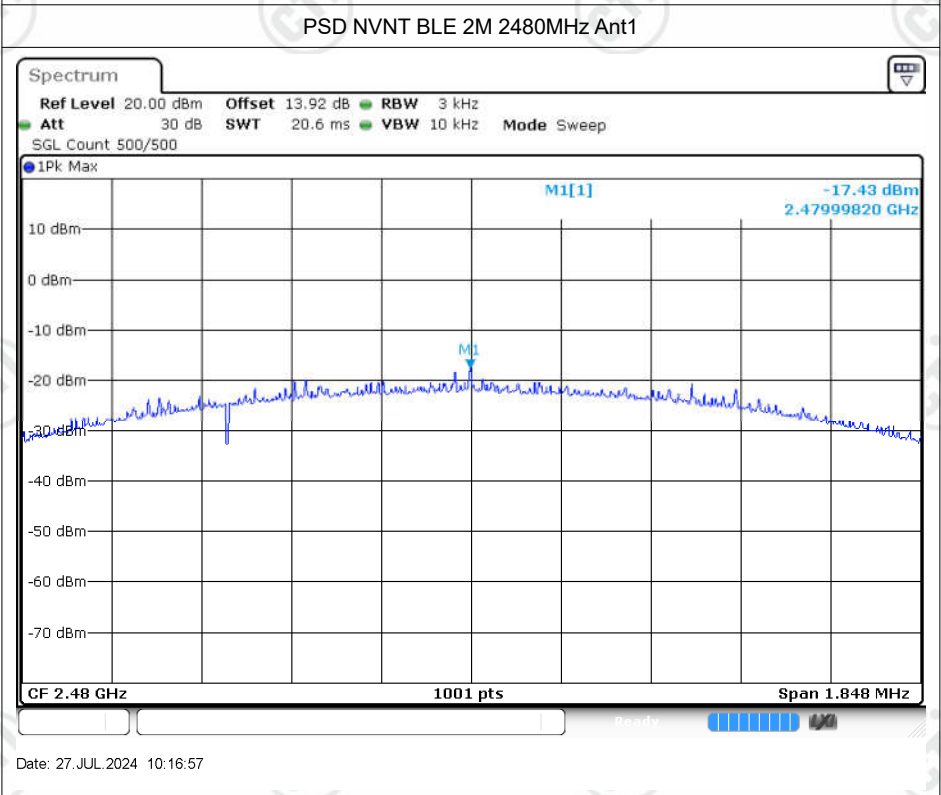
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Date: 27.JUL.2024 10:13:35



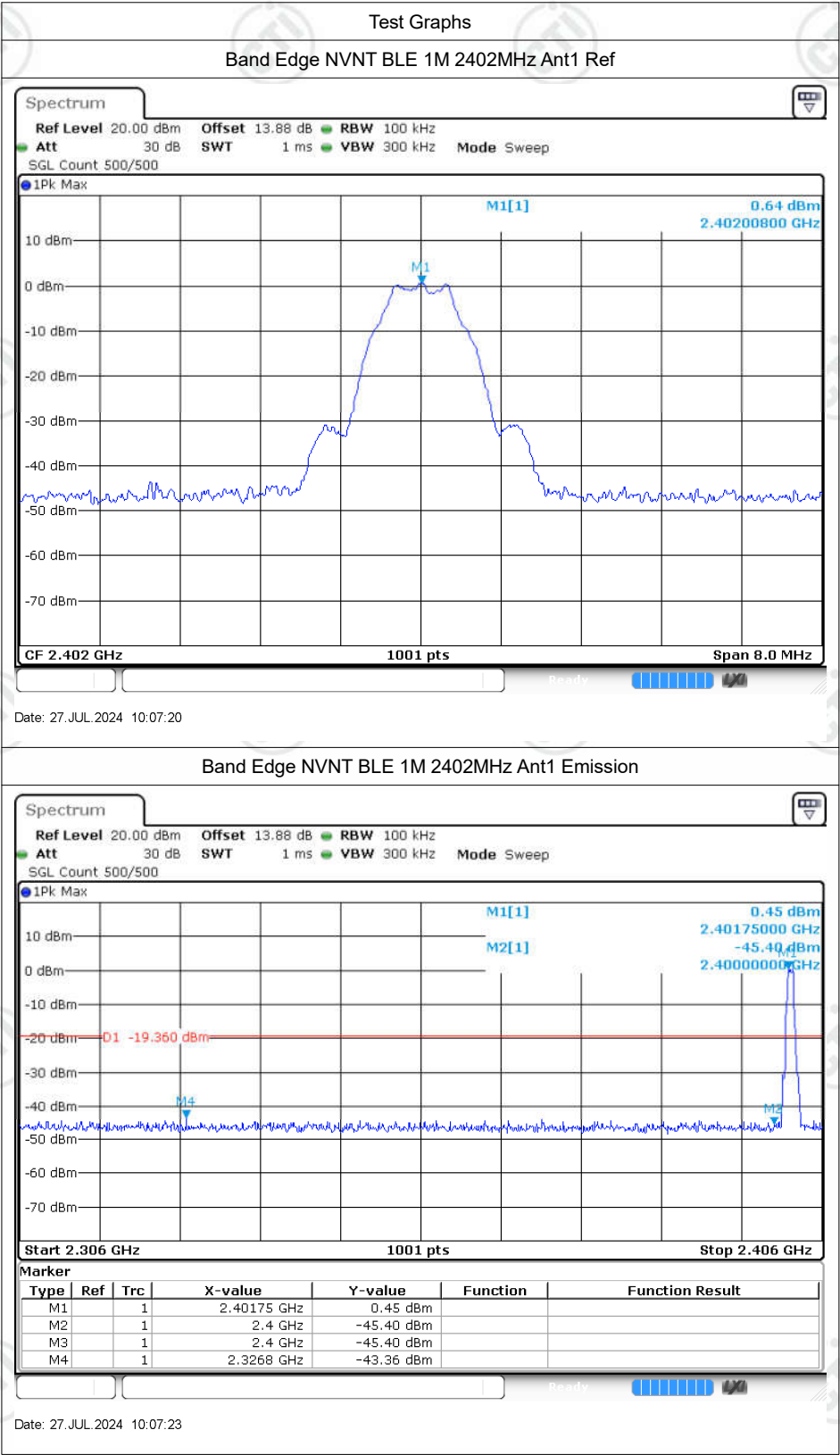
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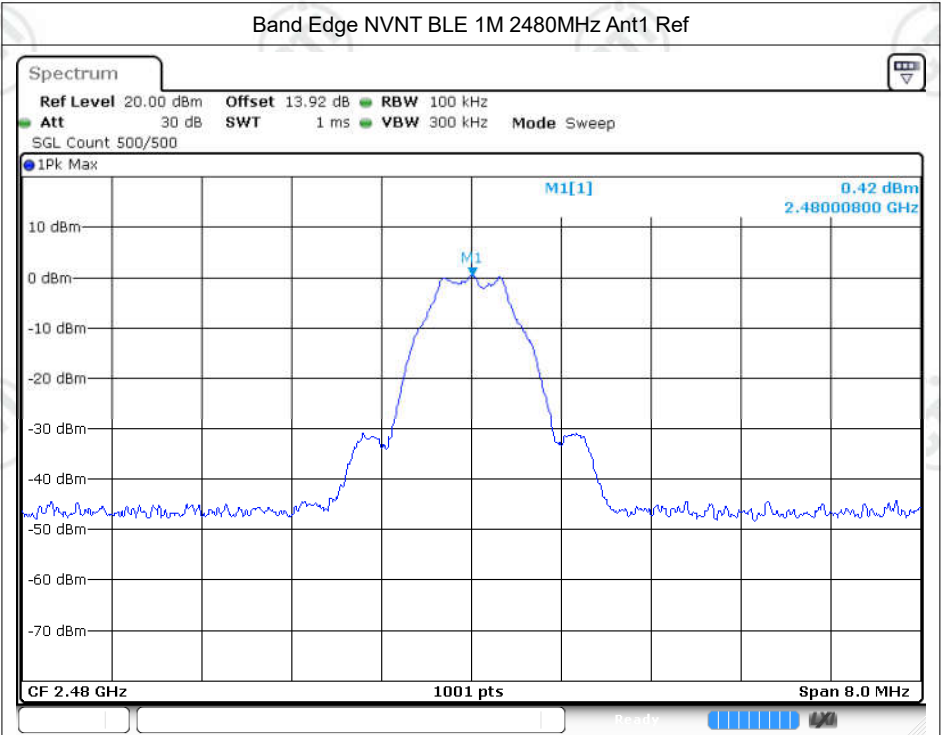


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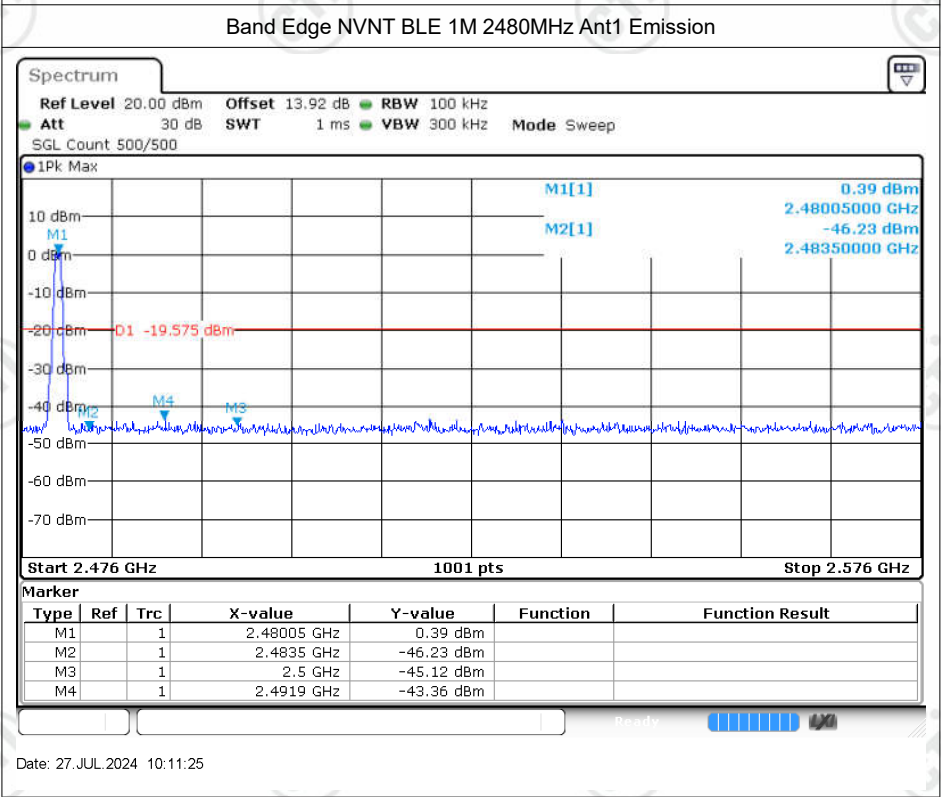
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-43.99	-20	Pass
NVNT	BLE 1M	2480	Ant1	-43.77	-20	Pass
NVNT	BLE 2M	2402	Ant1	-36.31	-20	Pass
NVNT	BLE 2M	2480	Ant1	-42.99	-20	Pass

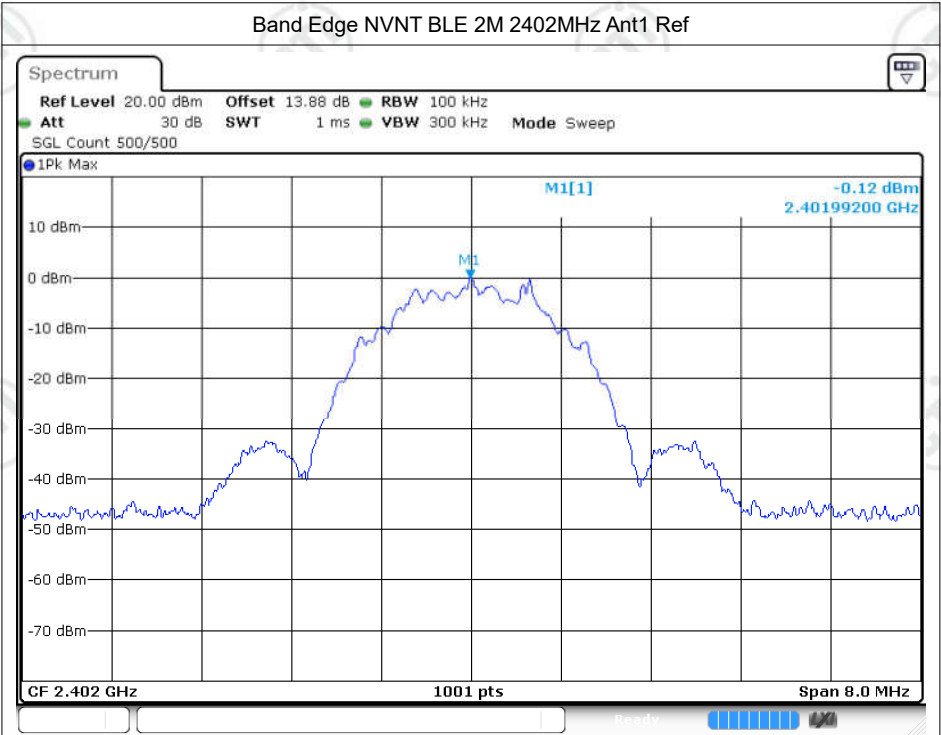




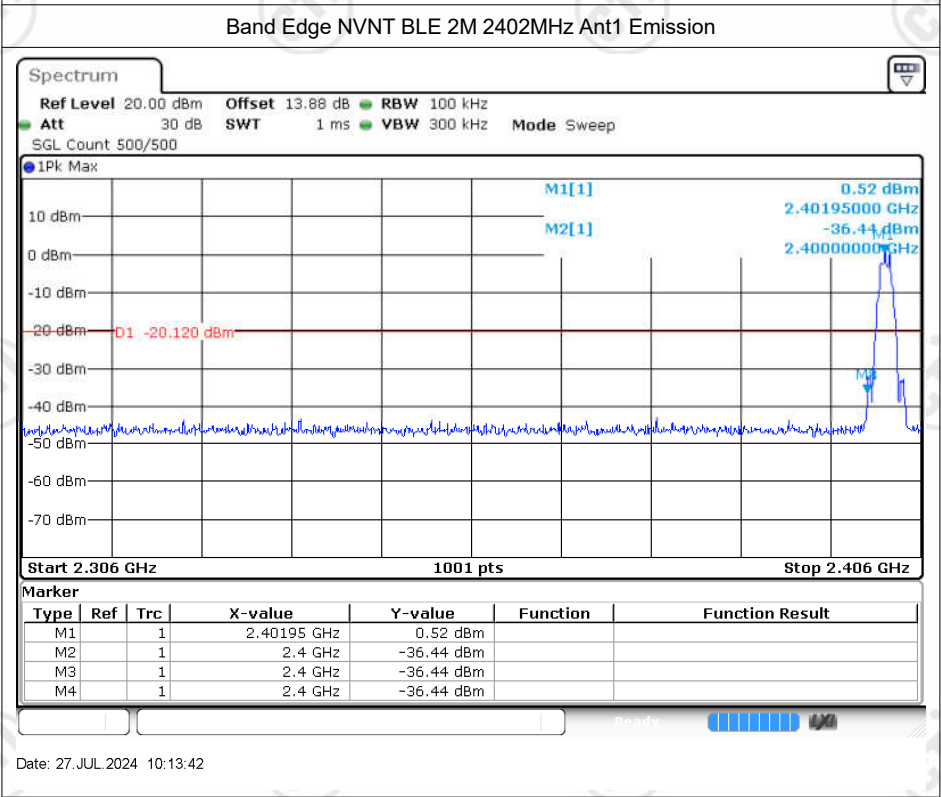
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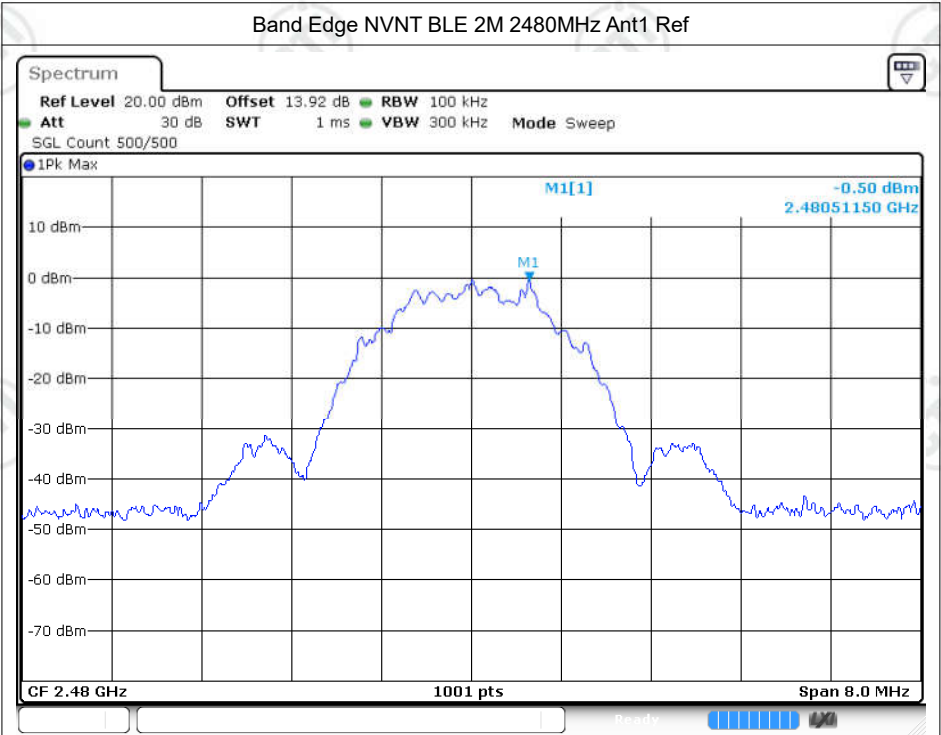
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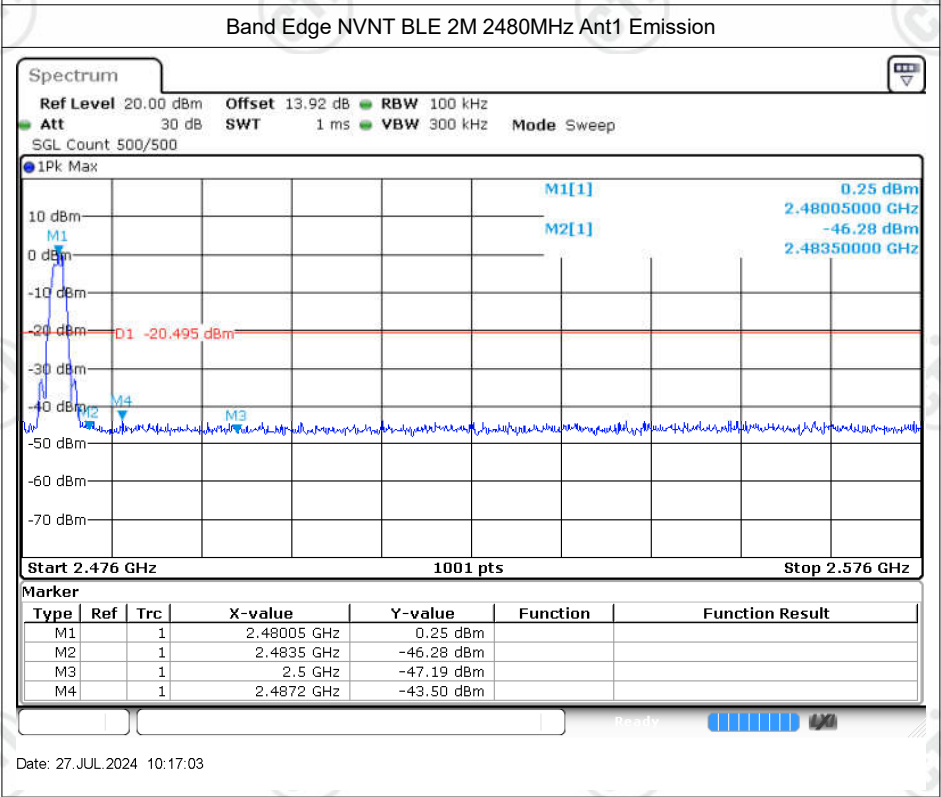
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Date: 27 JUL 2024 10:13:42



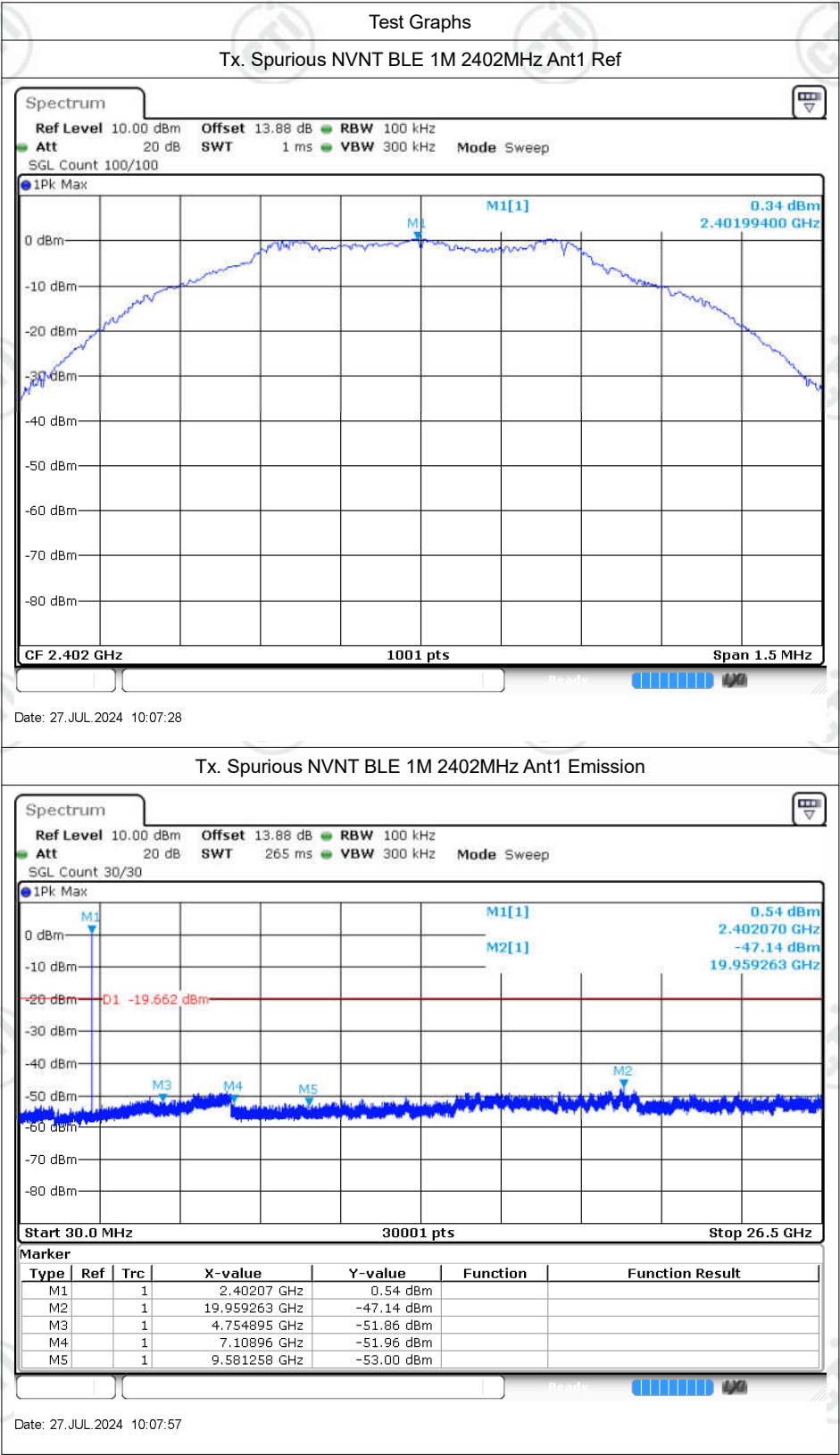
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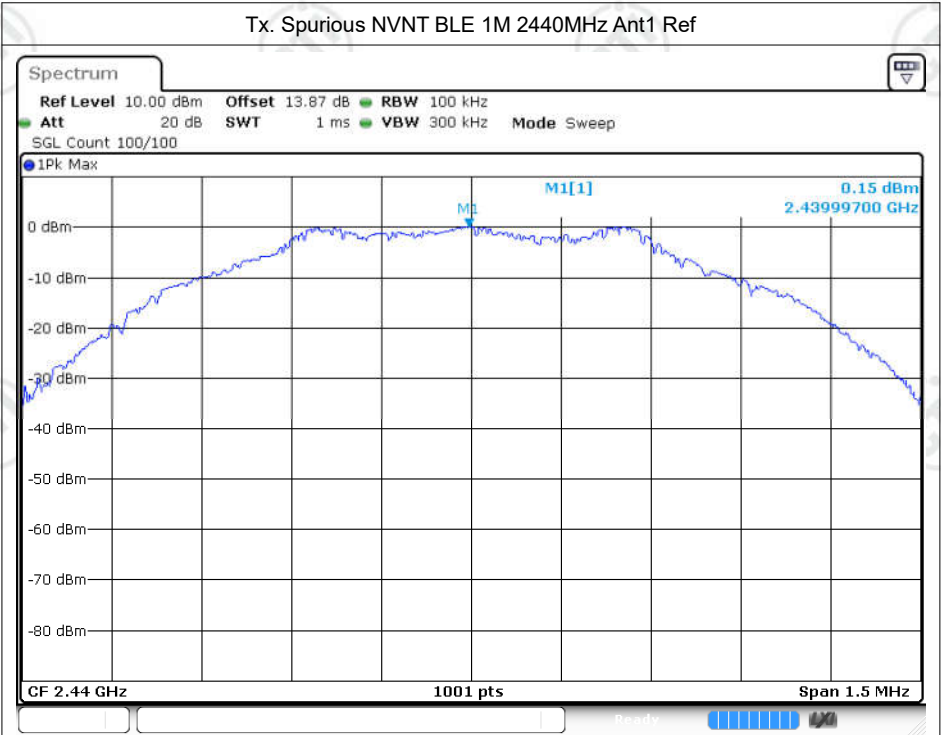


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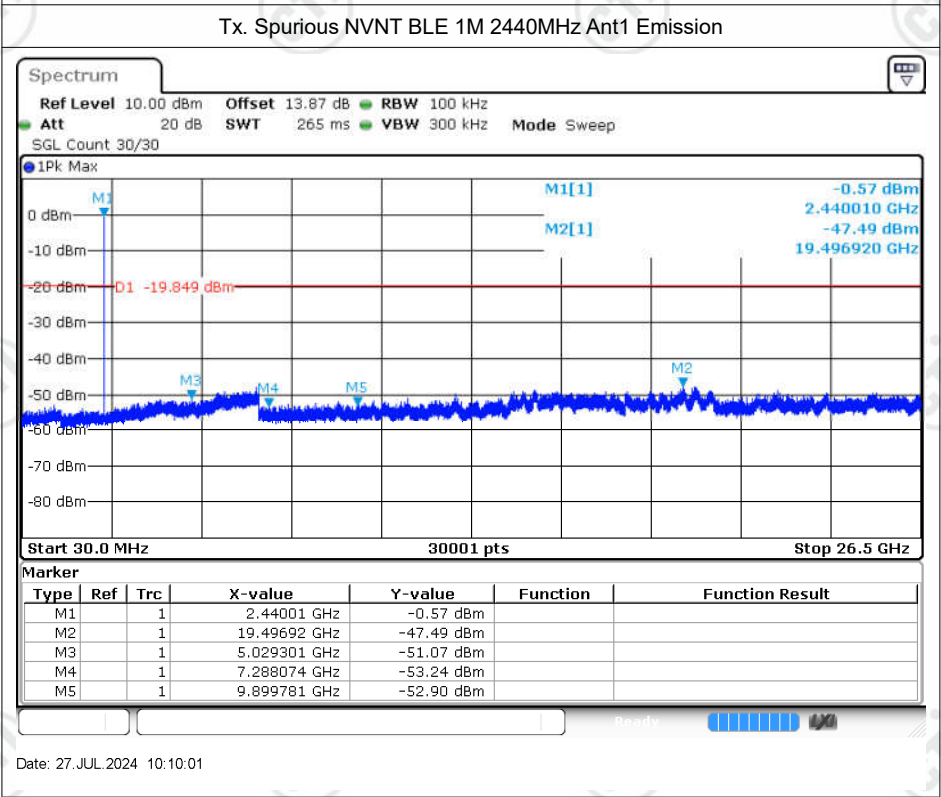
Conducted RF Spurious Emission

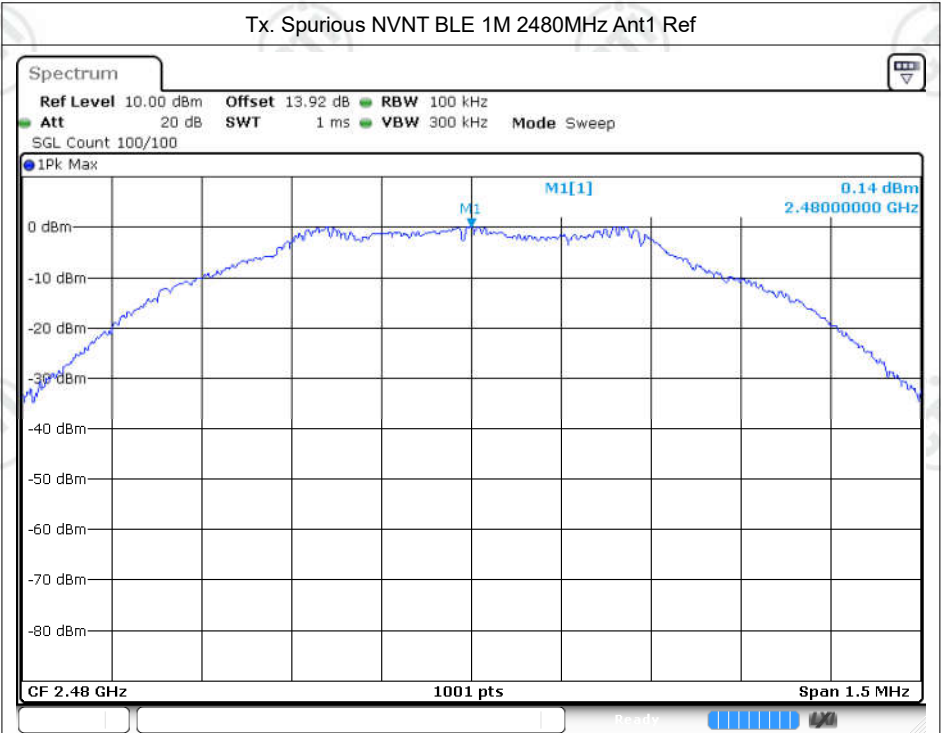
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.48	-20	Pass
NVNT	BLE 1M	2440	Ant1	-47.64	-20	Pass
NVNT	BLE 1M	2480	Ant1	-47.86	-20	Pass
NVNT	BLE 2M	2402	Ant1	-46.36	-20	Pass
NVNT	BLE 2M	2440	Ant1	-47.27	-20	Pass
NVNT	BLE 2M	2480	Ant1	-46.93	-20	Pass



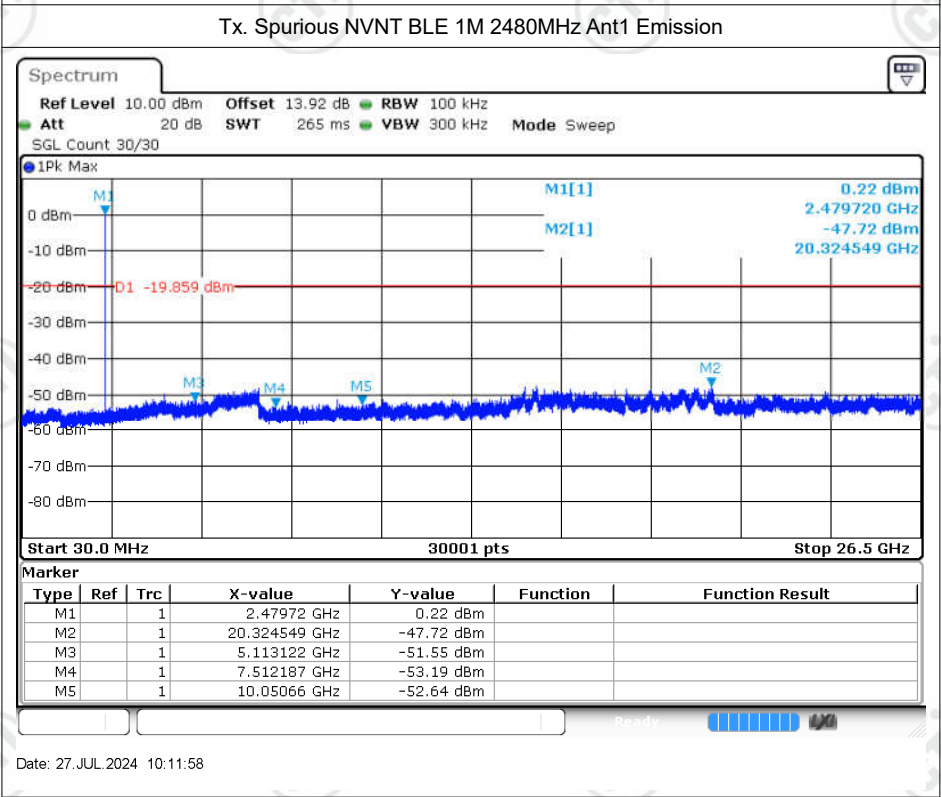


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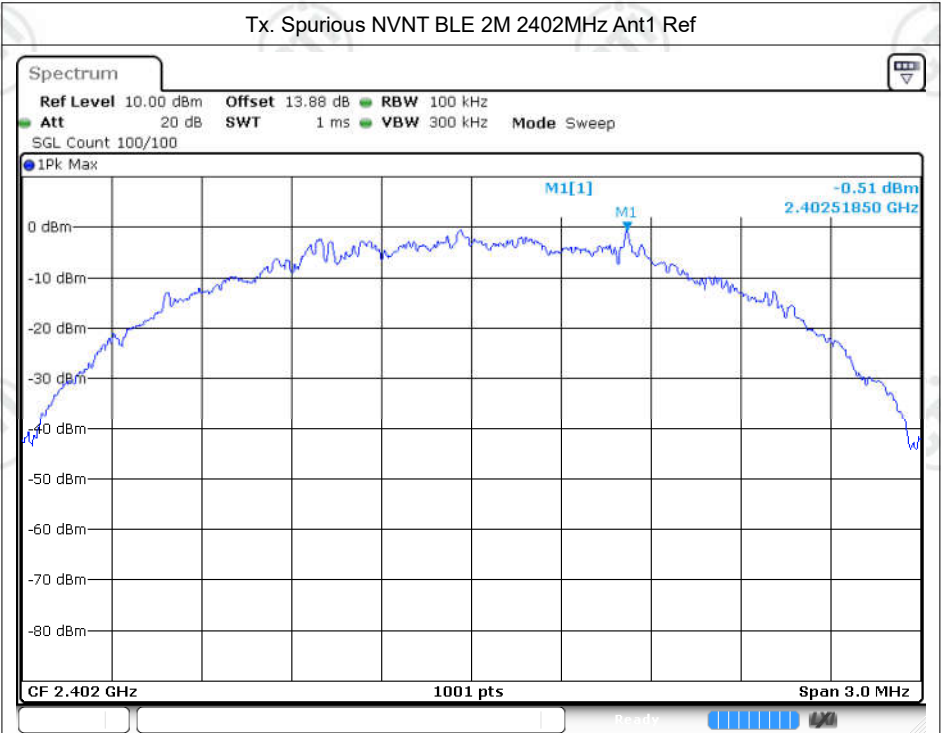




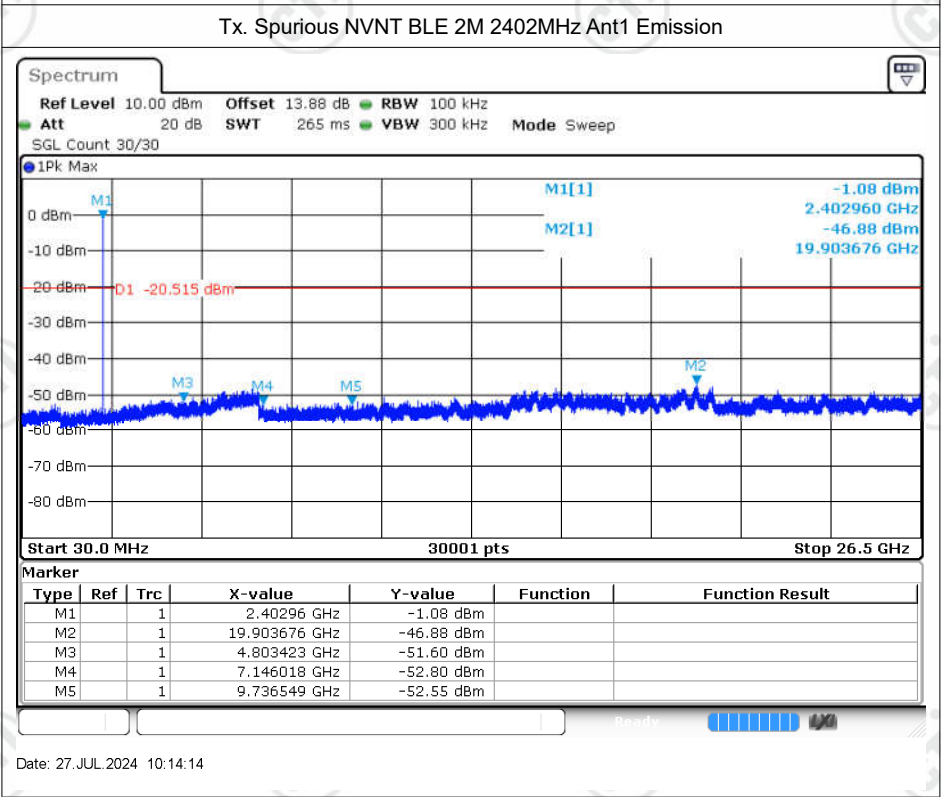
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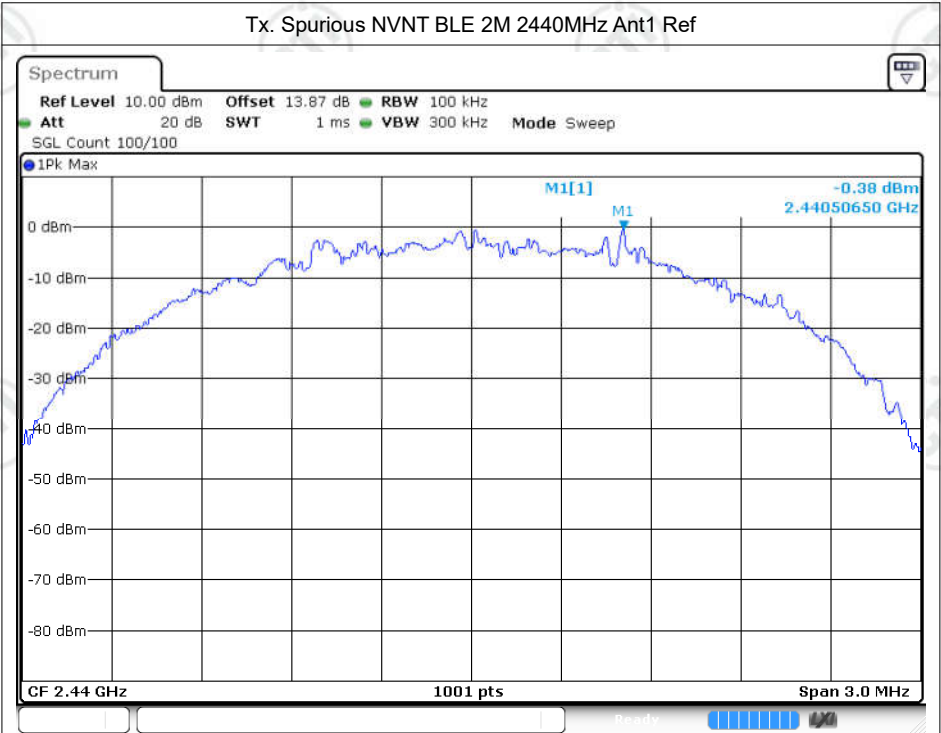


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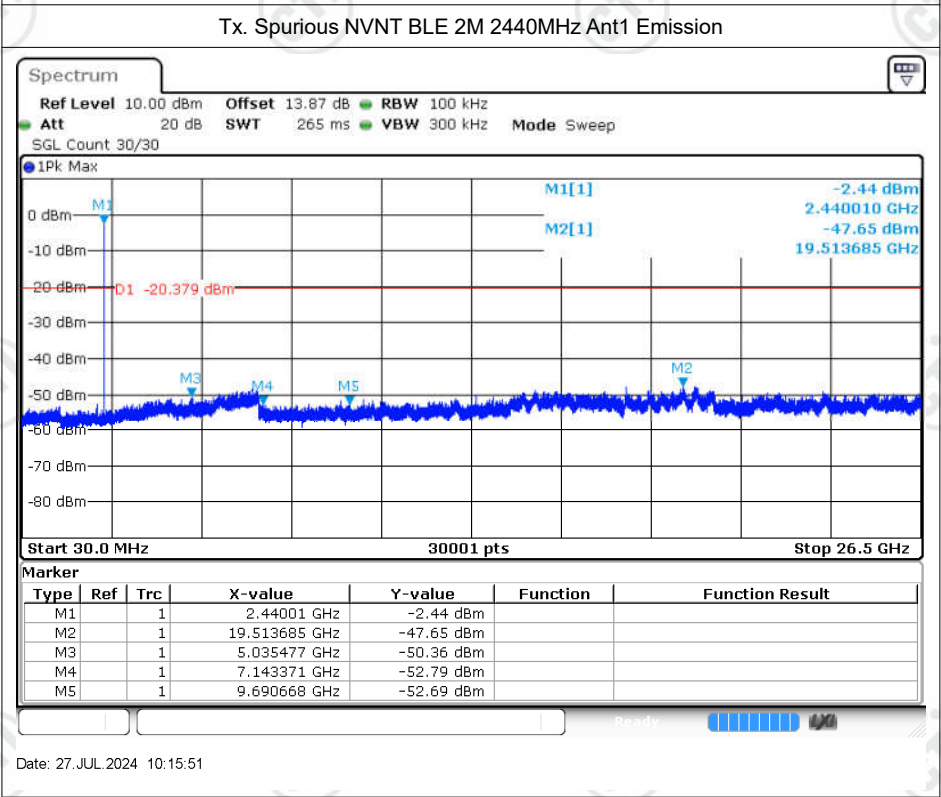


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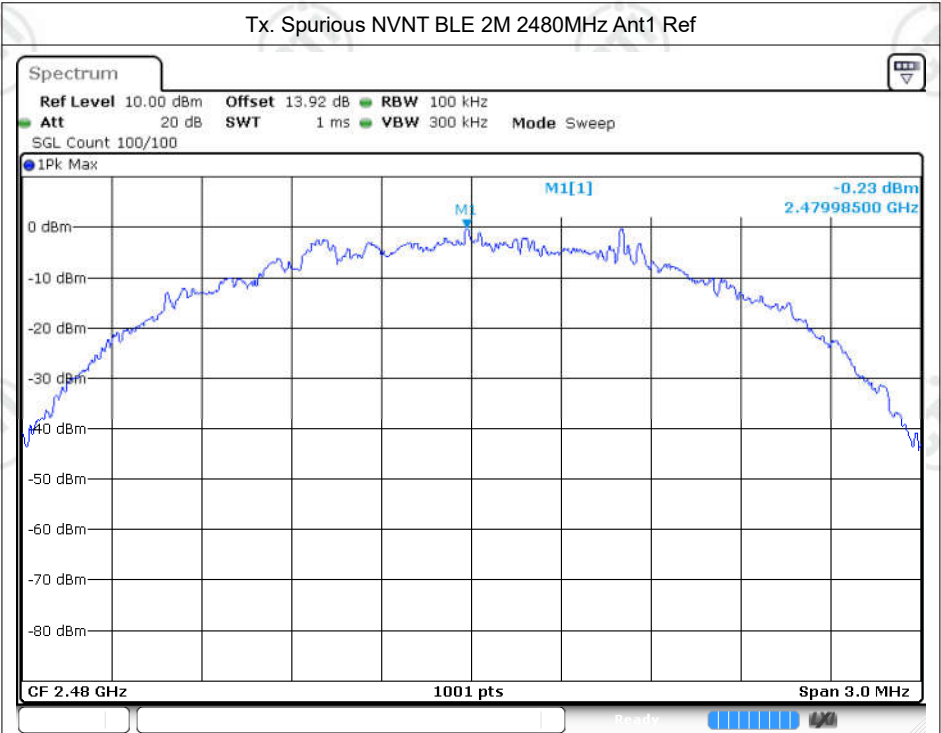




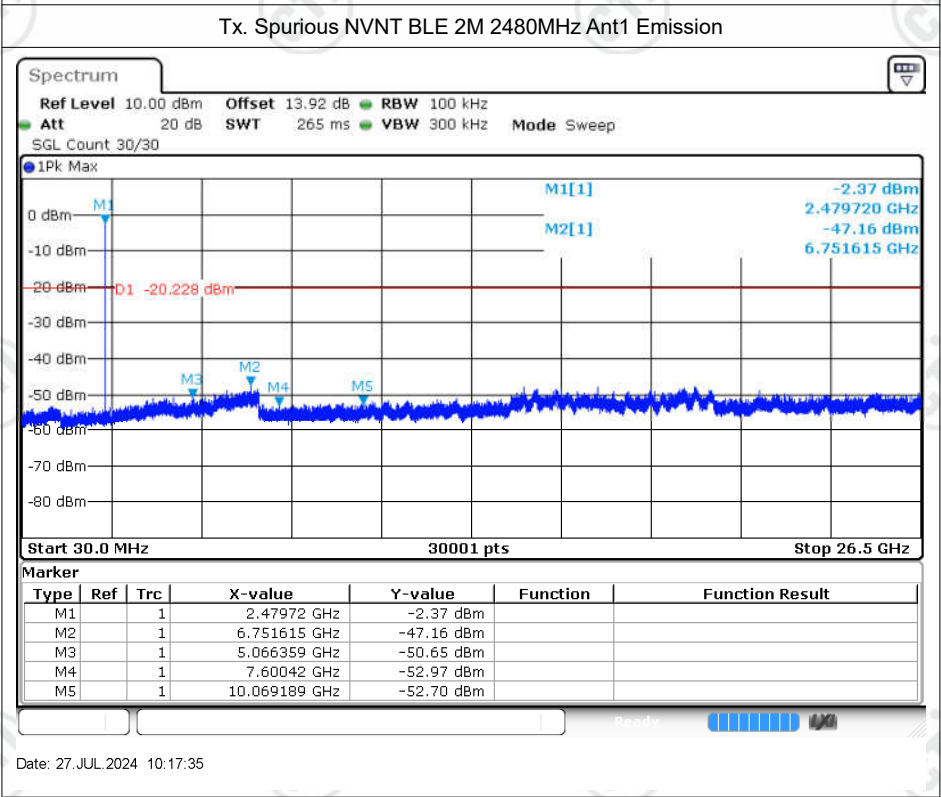
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END OF REPORT