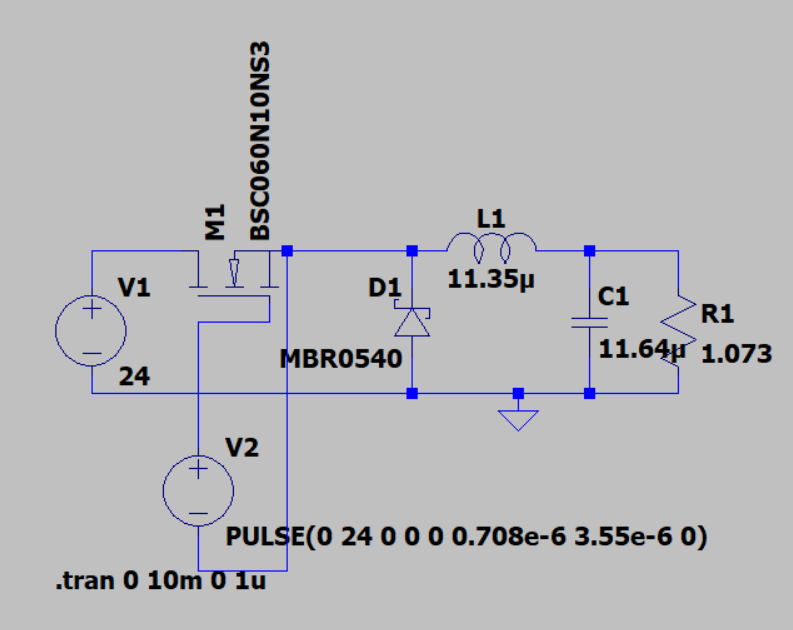
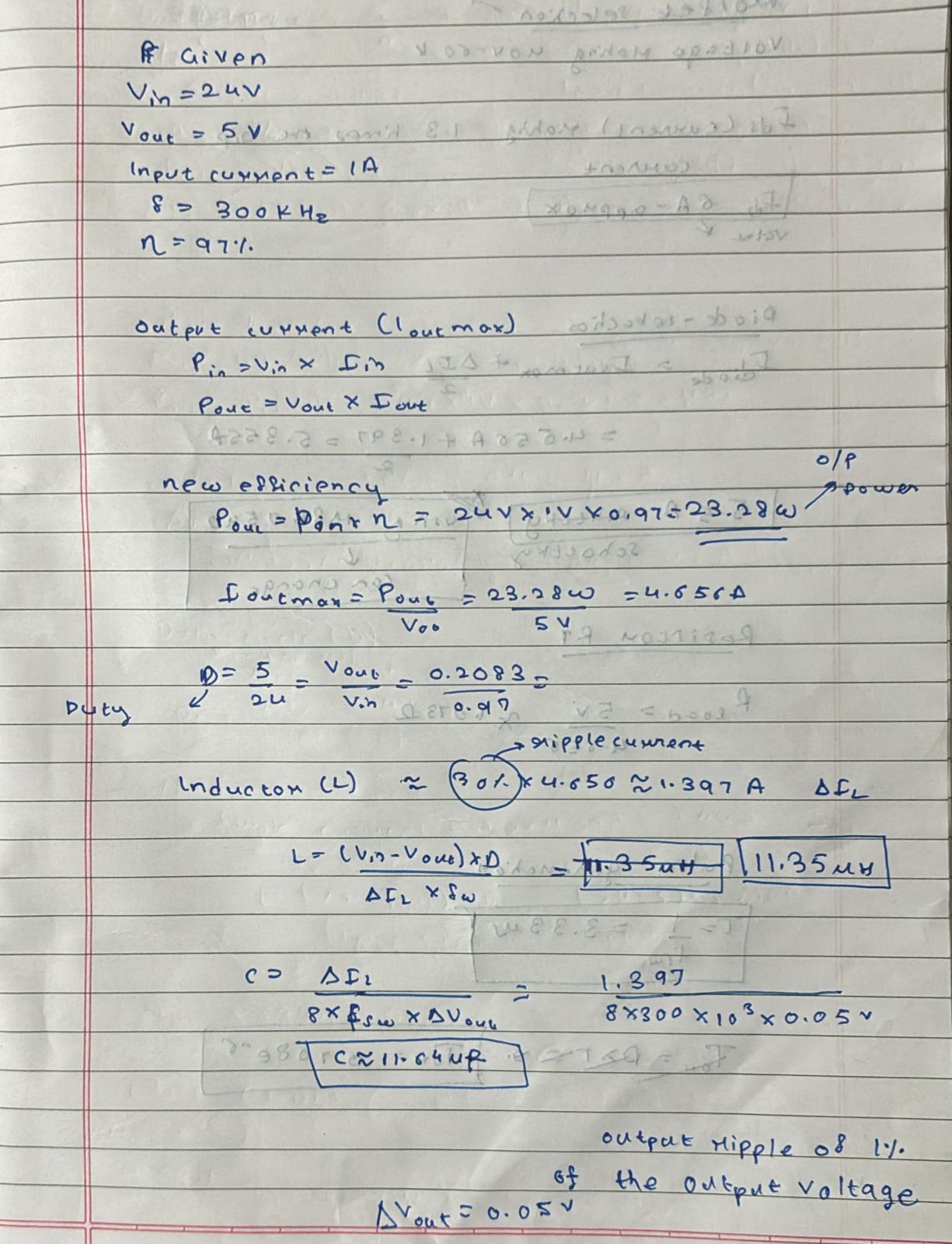
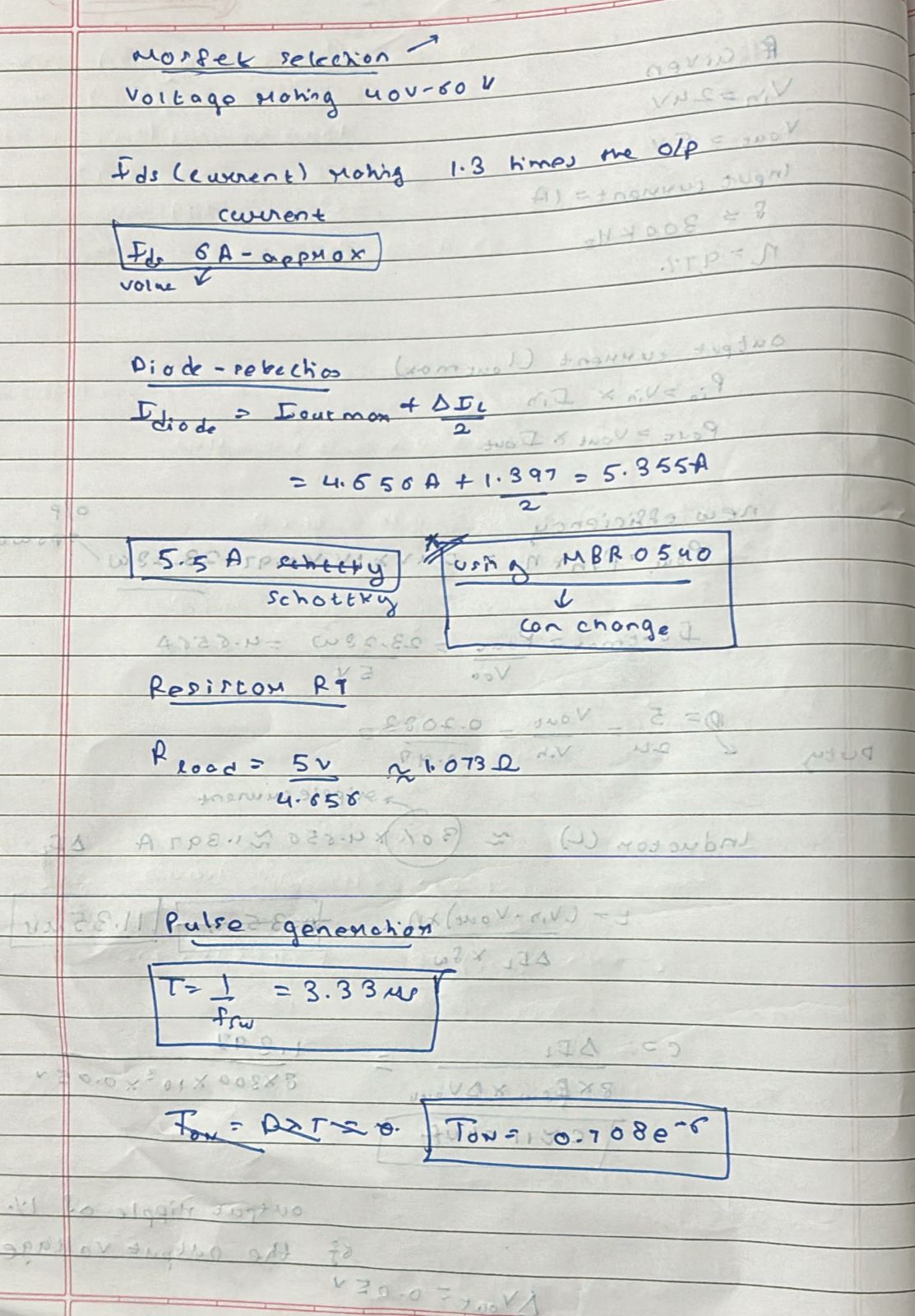
**This is the design of the simulated circuit:**

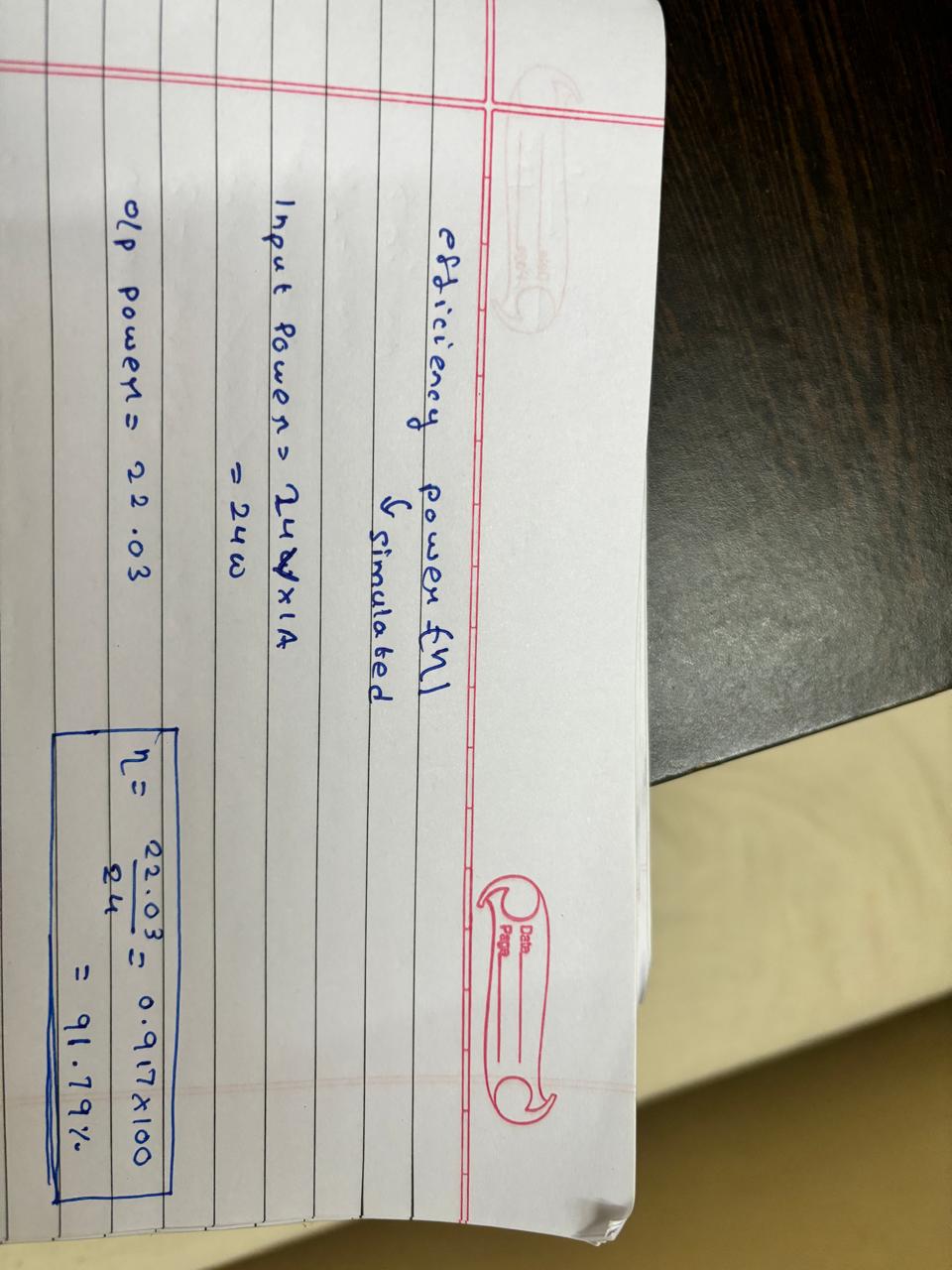


**The values of the components are obtained by the formulas:  
  
**

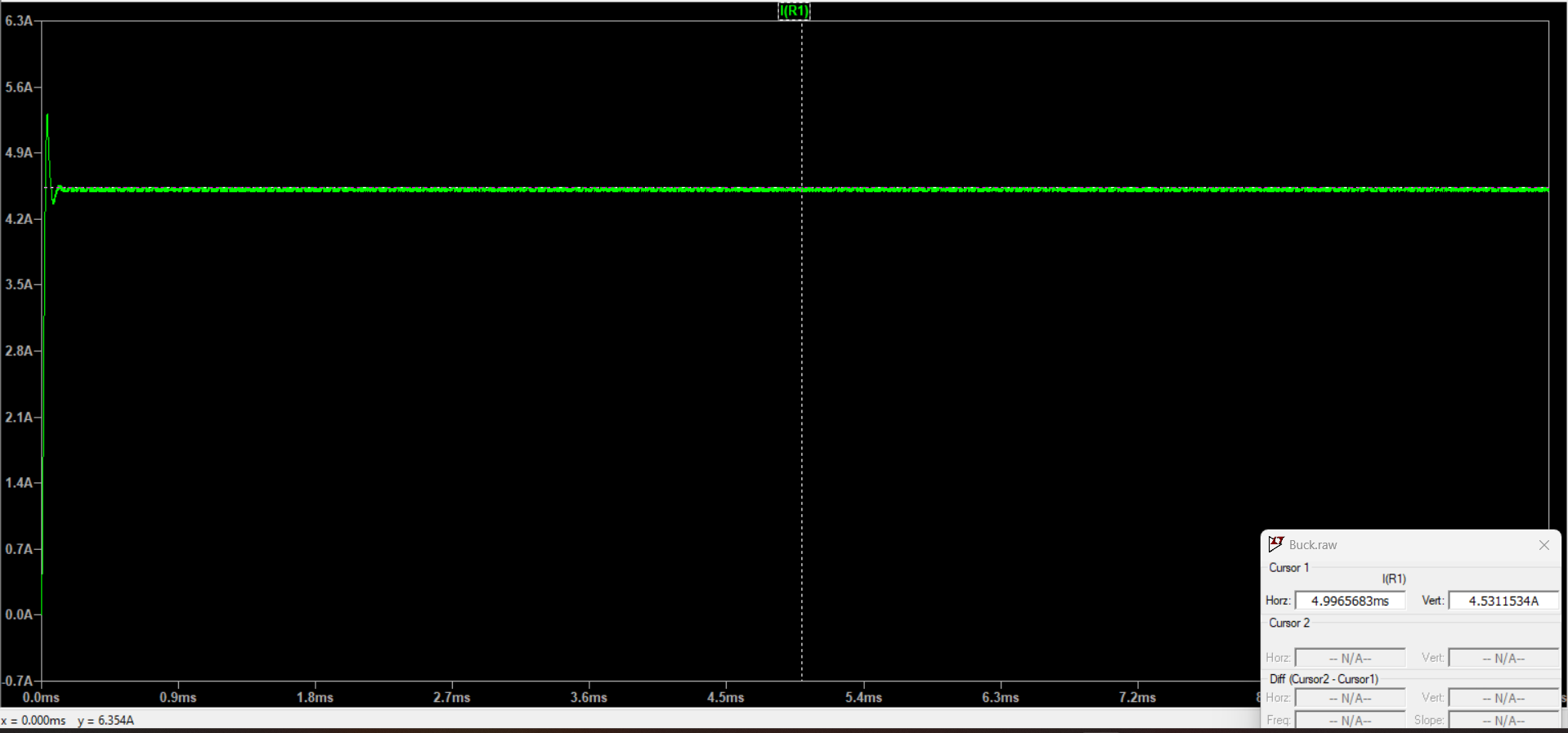


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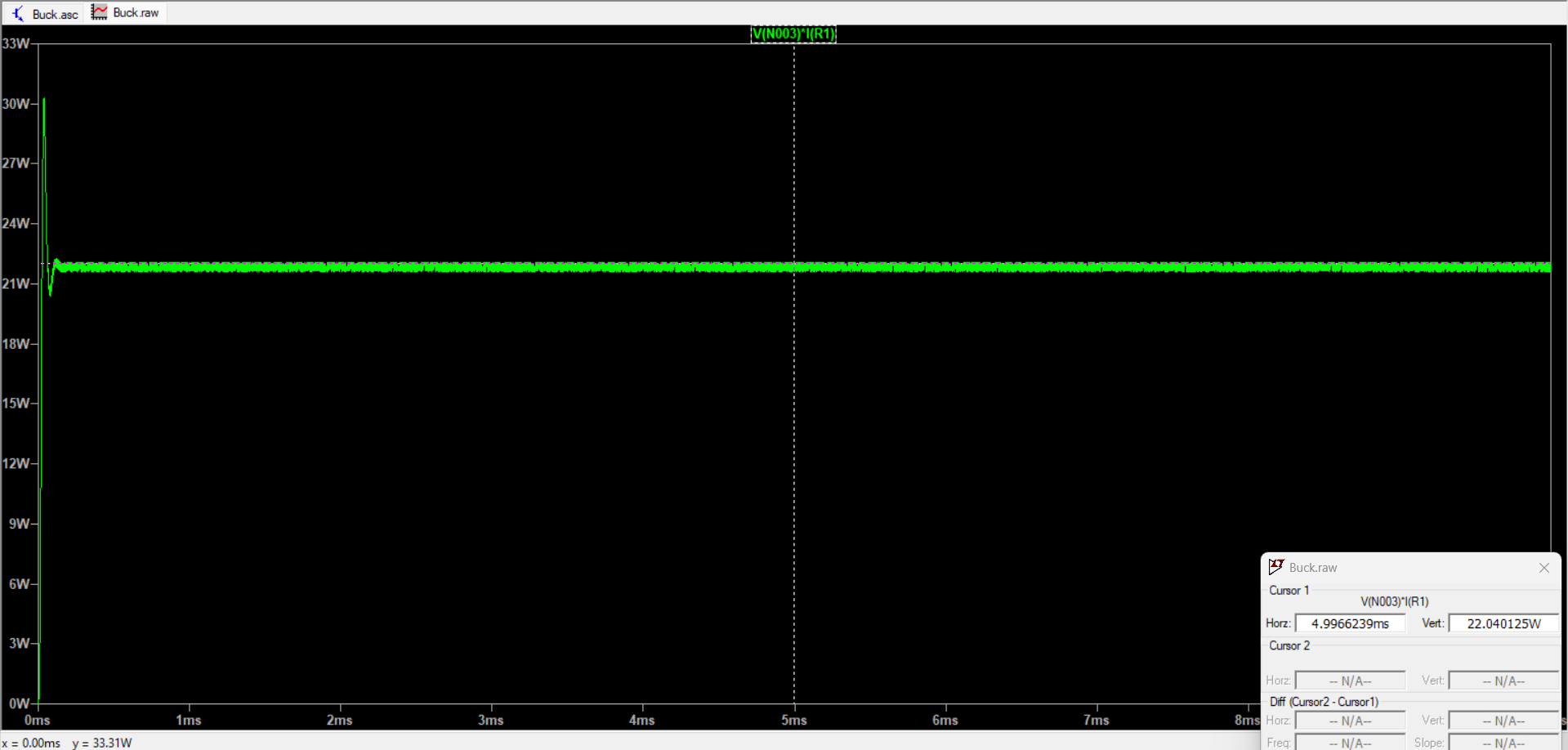




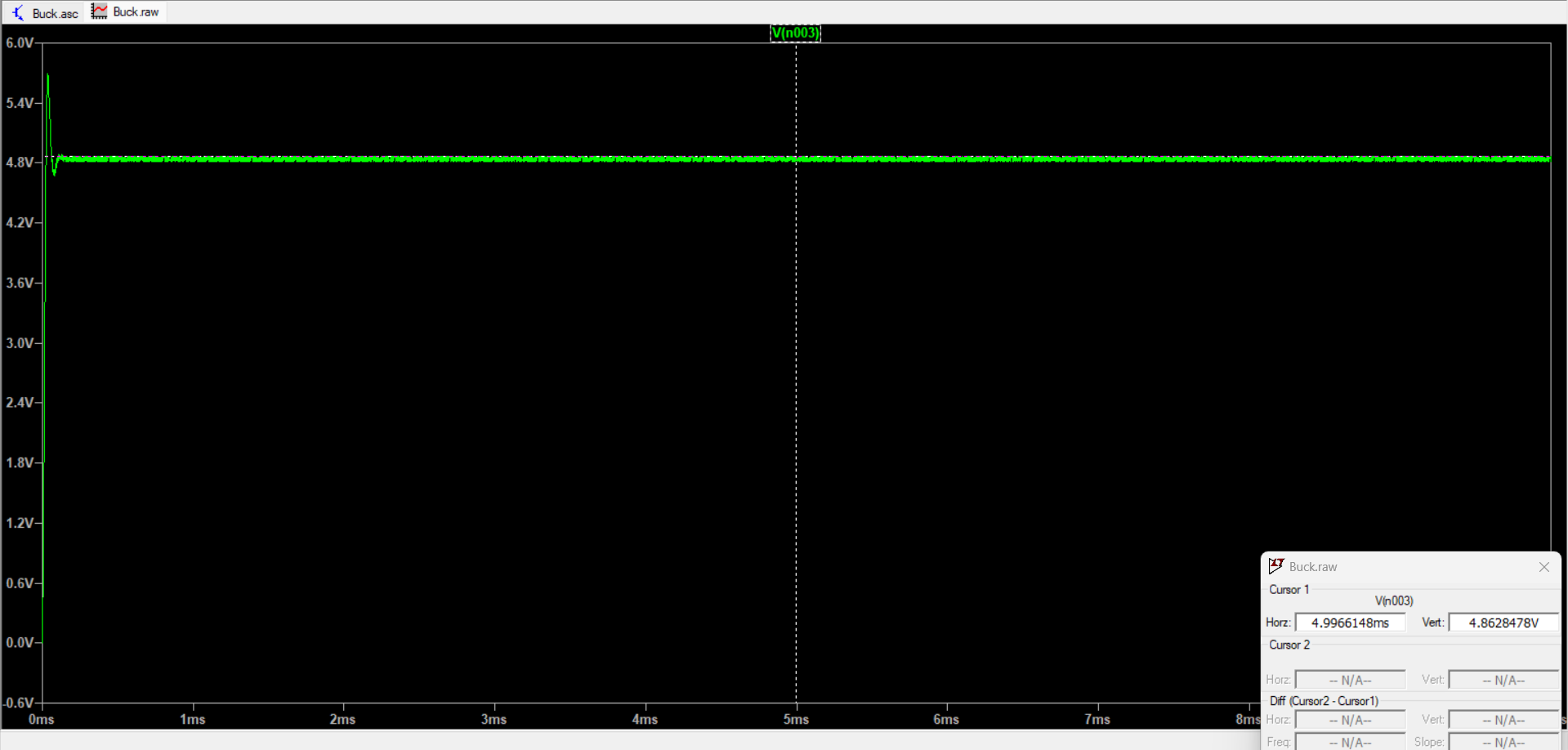
**We can see the efficiency is 91.79%**

****

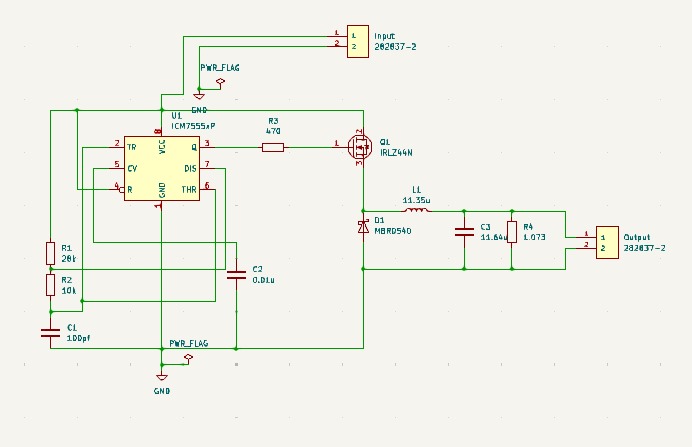
**Output current: 4.5311534A**

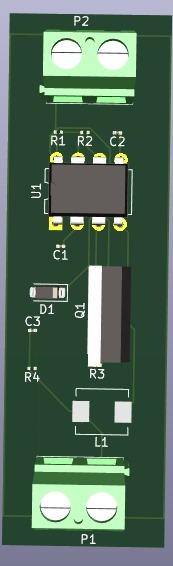
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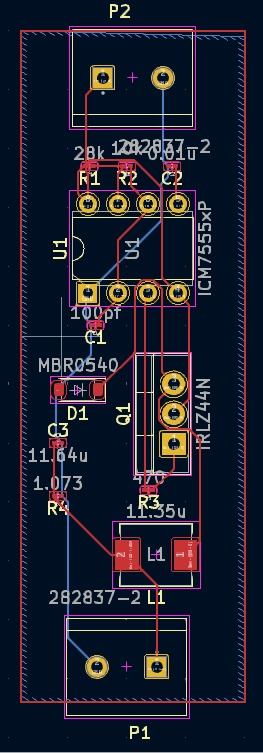
**Output Power: 22.040125W**

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**Output Voltage: 4.8628478V**

**Schematic:  
 **

**PCB (3D view):  
**

**PCB (2D view):  
**