Hi

We are developing a Card using TPS63000 to generate 5.5V output from a Li Ion battery input (so always a Boost circuit). We based the schematic and PCB on the EVM.

We had some stability problems though only at very low output load which (after reading other posts on the forum) we solved by increasing our input and output capacitance.

I would be grateful for any comments on the schematic attached, in particular I wonder if the TPS63000 is well suited to generate 5.5V as this is the top of its spec.

Also should we increase L1? (It doesn’t satisfy EQN 4 in the datasheet at low battery voltage?)

Thanks in advance for any feedback or advice

