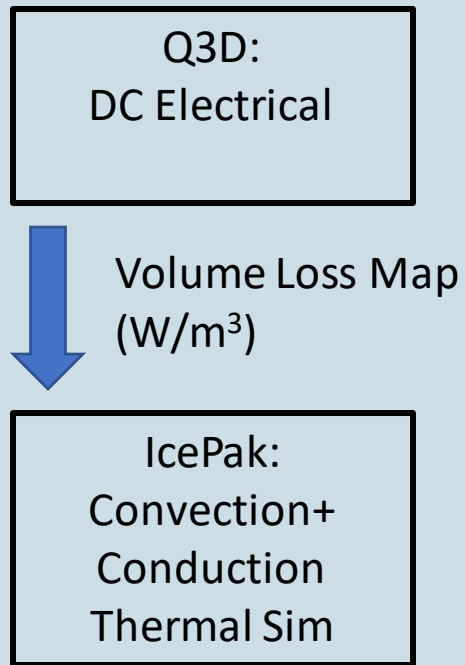


Electrothermal Simulation Process

Process of Simulation

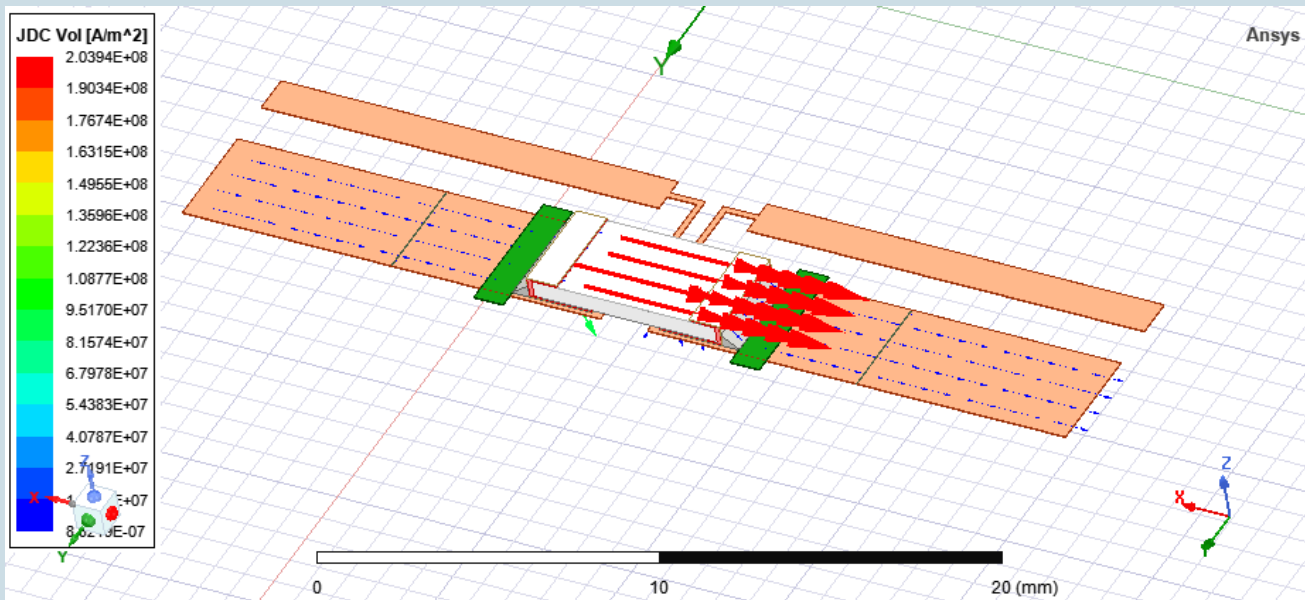


- DC simulation is to be performed in Q3D, from which, loss information will be passed to IcePak
- IcePak simulation includes convection with room temperature air as well as conduction



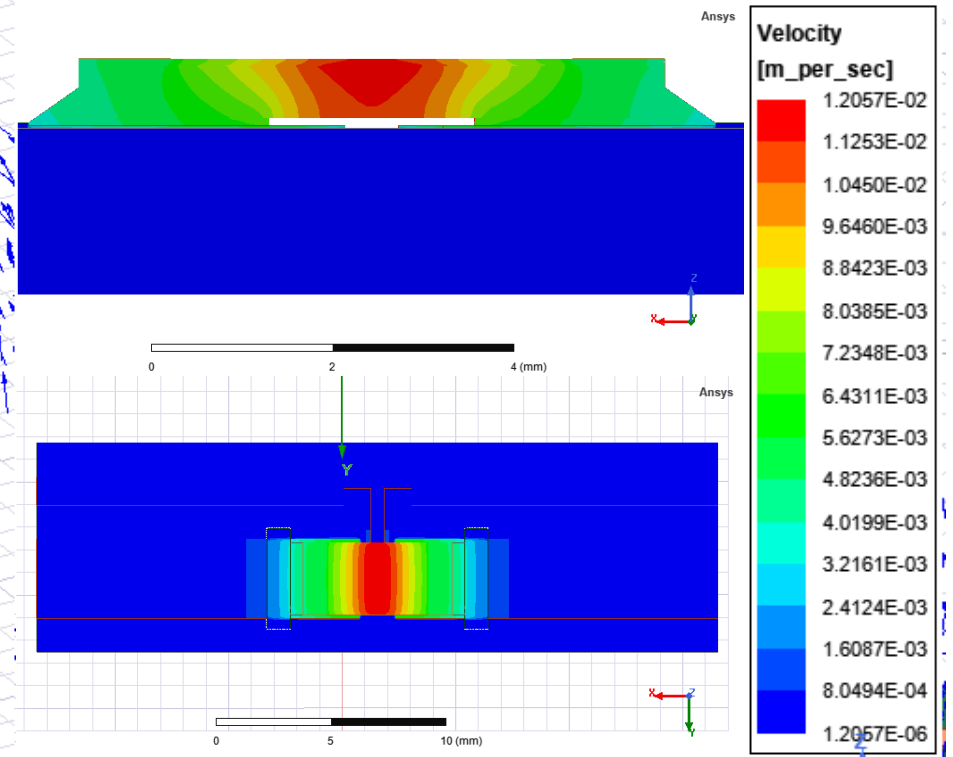
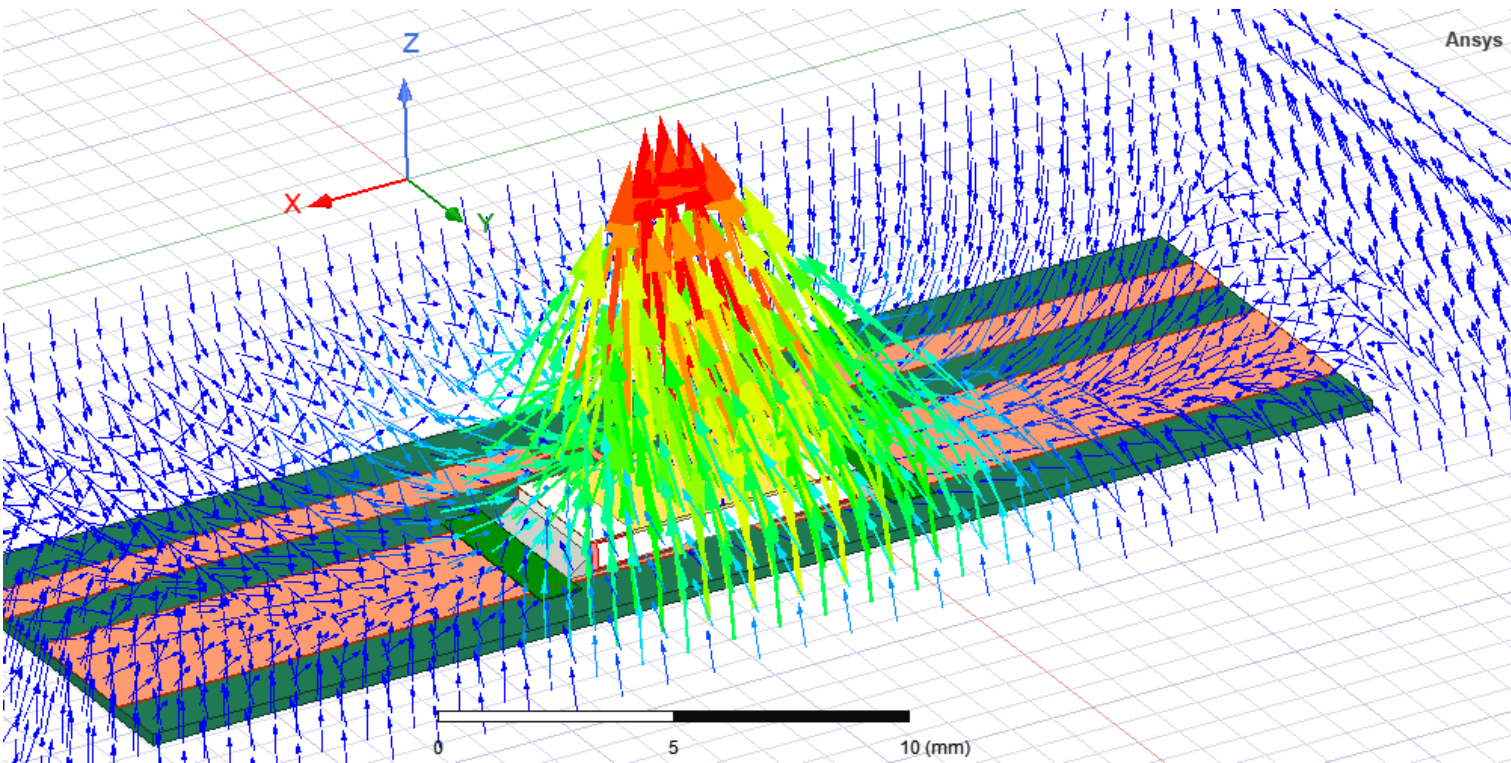
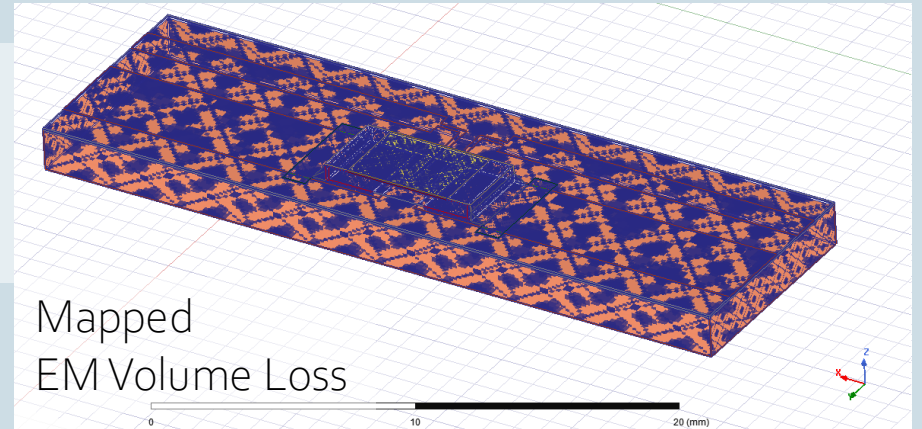
Q3D Simulation example

The Following results correspond to Q3D dissipated power, from 1 amp excitation using 22 Ohm Resistor

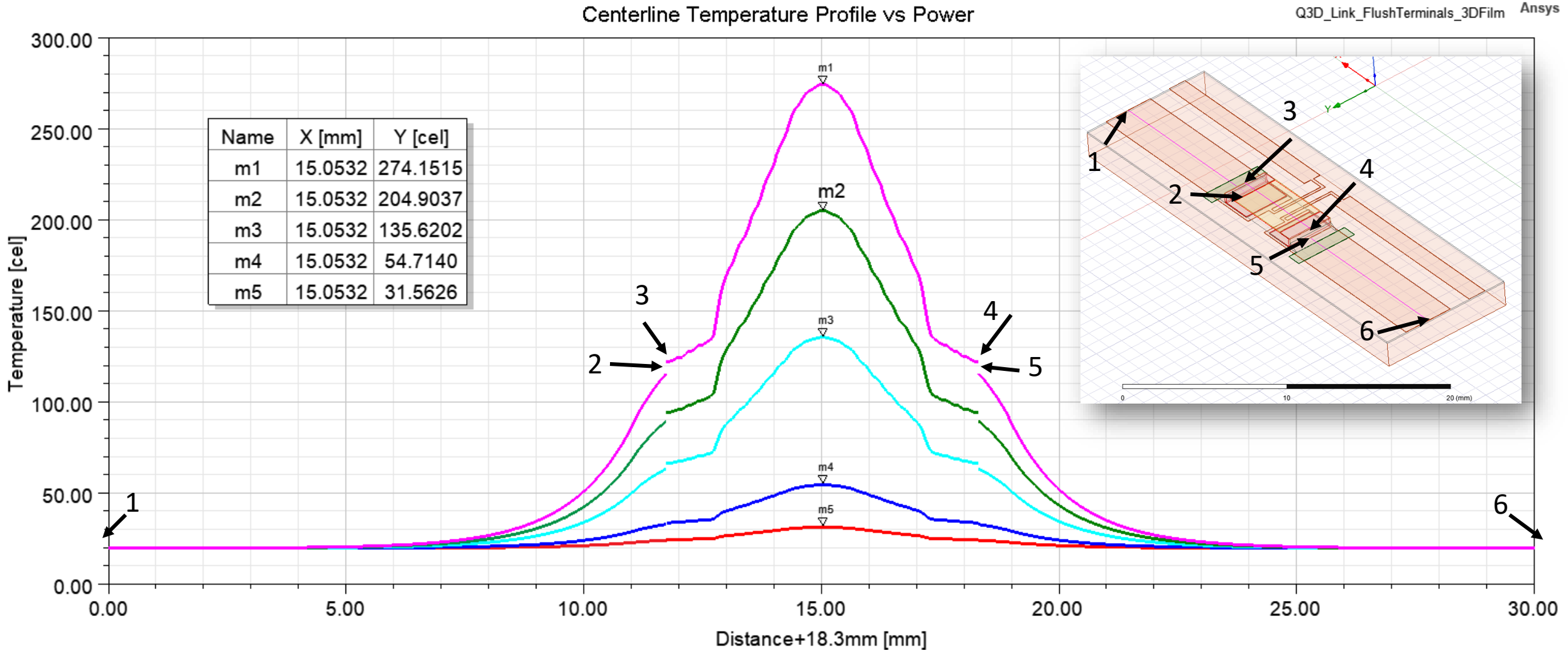


IcePak Simulation

- EM Volume losses mapped from Q3D
- Temperature and velocity gradients are generated



Temperature profile example using a power sweep



We appreciate your time

