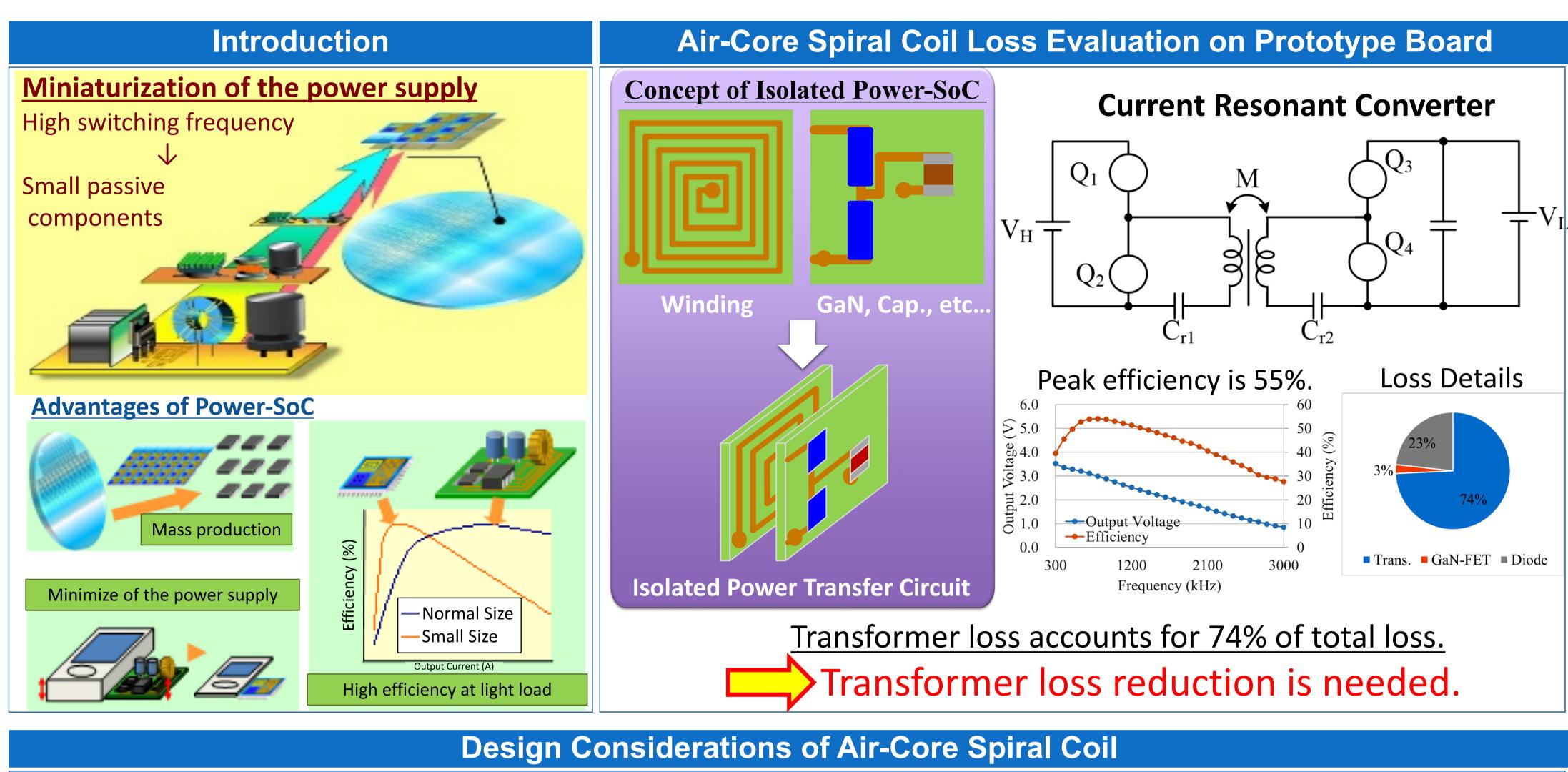
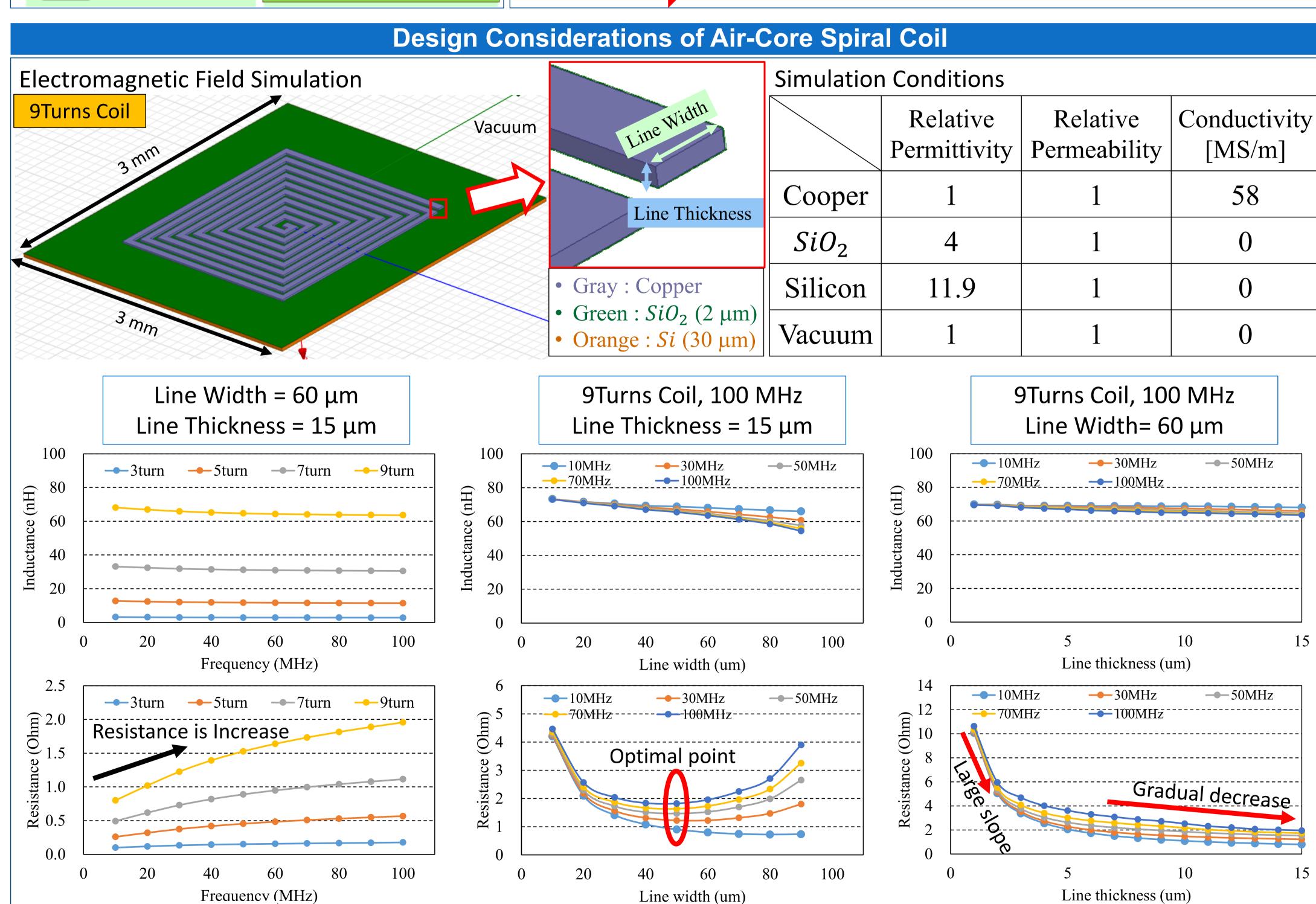


## Design Consideration of Air-Core On-Chip Spiral Coil for Power-SoC

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## conclusions It is confirmed that

It is confirmed that the design parameters can be optimized if the inductance and the maximum operating frequency are decided. The number of turns is decided from the inductance, and the optimal line width is 50um in this case. The line thickness is preferred 5um or more.