

All-Silicon Meeting

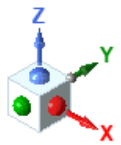
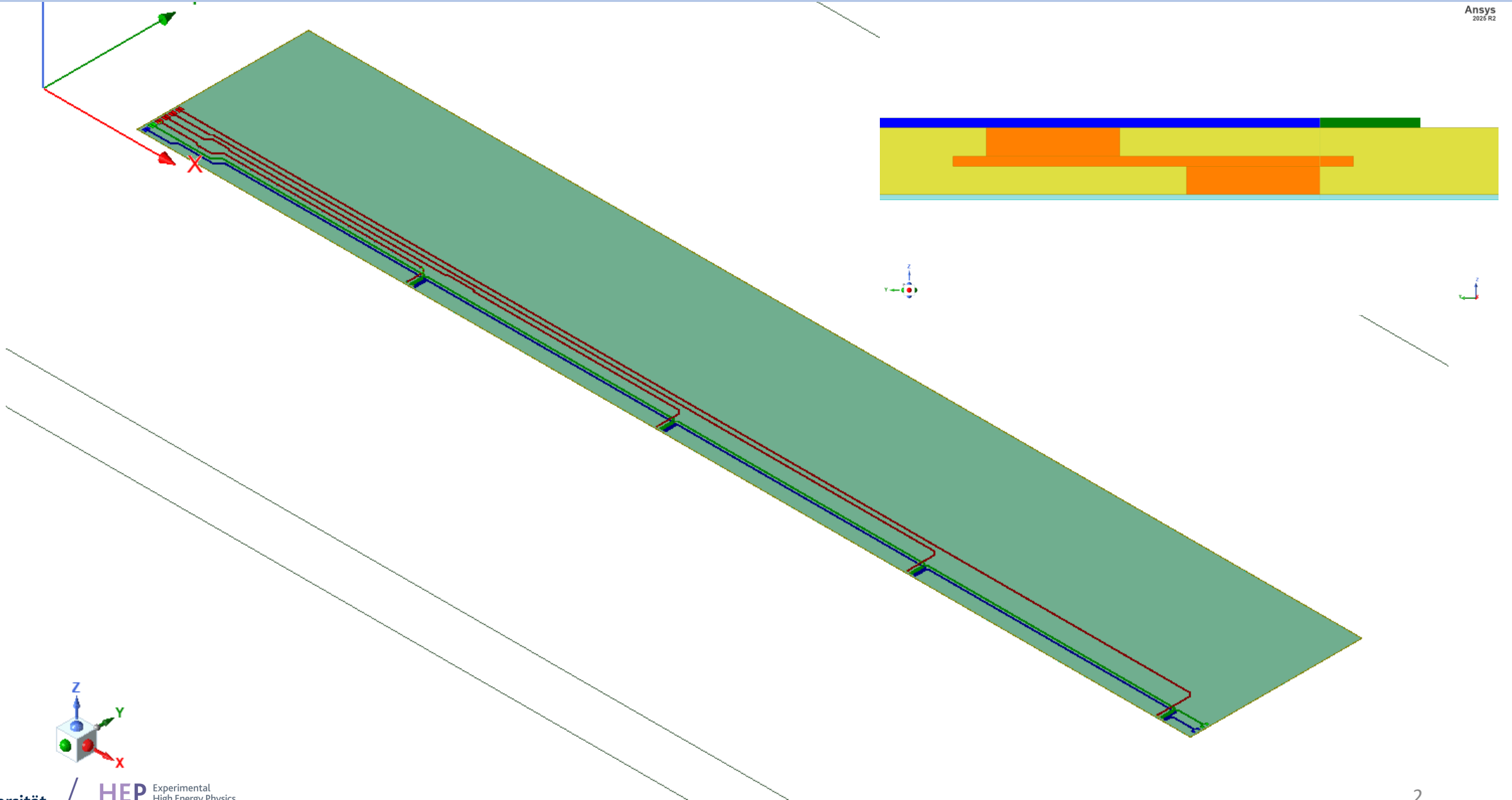
Markus Cristinziani, Qader Dorosti, Stefan Heidbrink, Denise Müller, Noah Siegemund, Waldemar Stroh, **Darshil Vagadiya**, Wolfgang Walkowiak, Jens Winter, and Michael Ziolkowski

08.05.2026

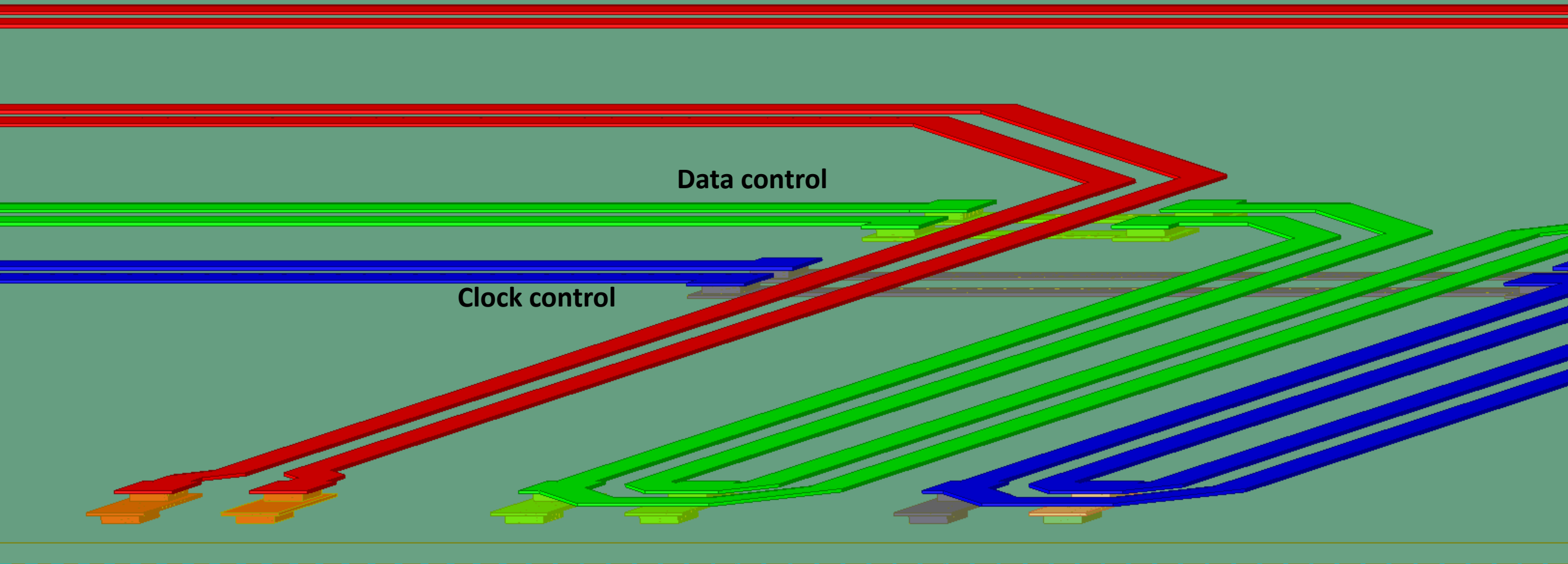
In collaboration with

Ansys (HFSS) Simulations Design of IZM structure

Ansys
2025 R2

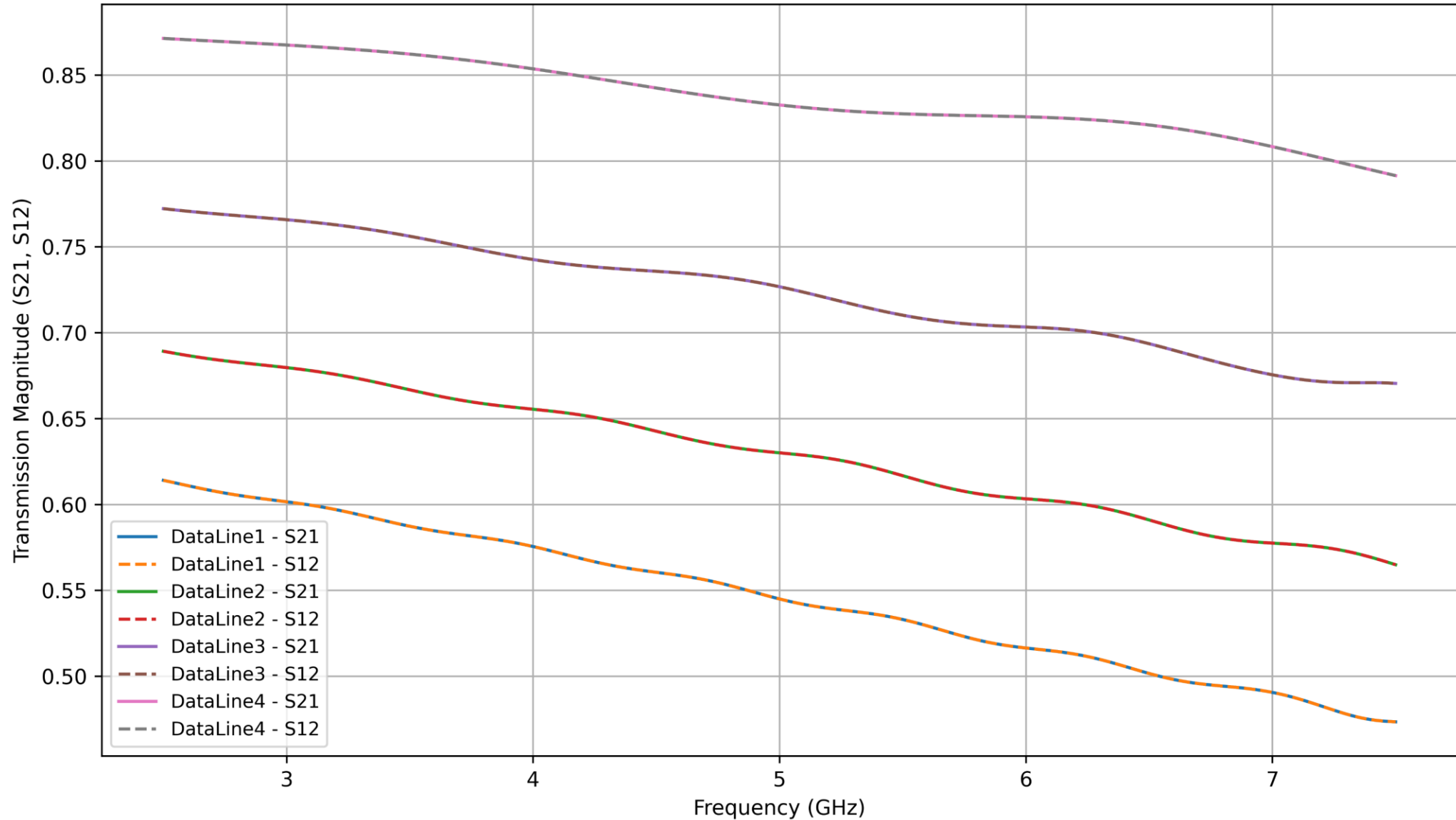


Ansys (HFSS) Simulations Design of IZM structure

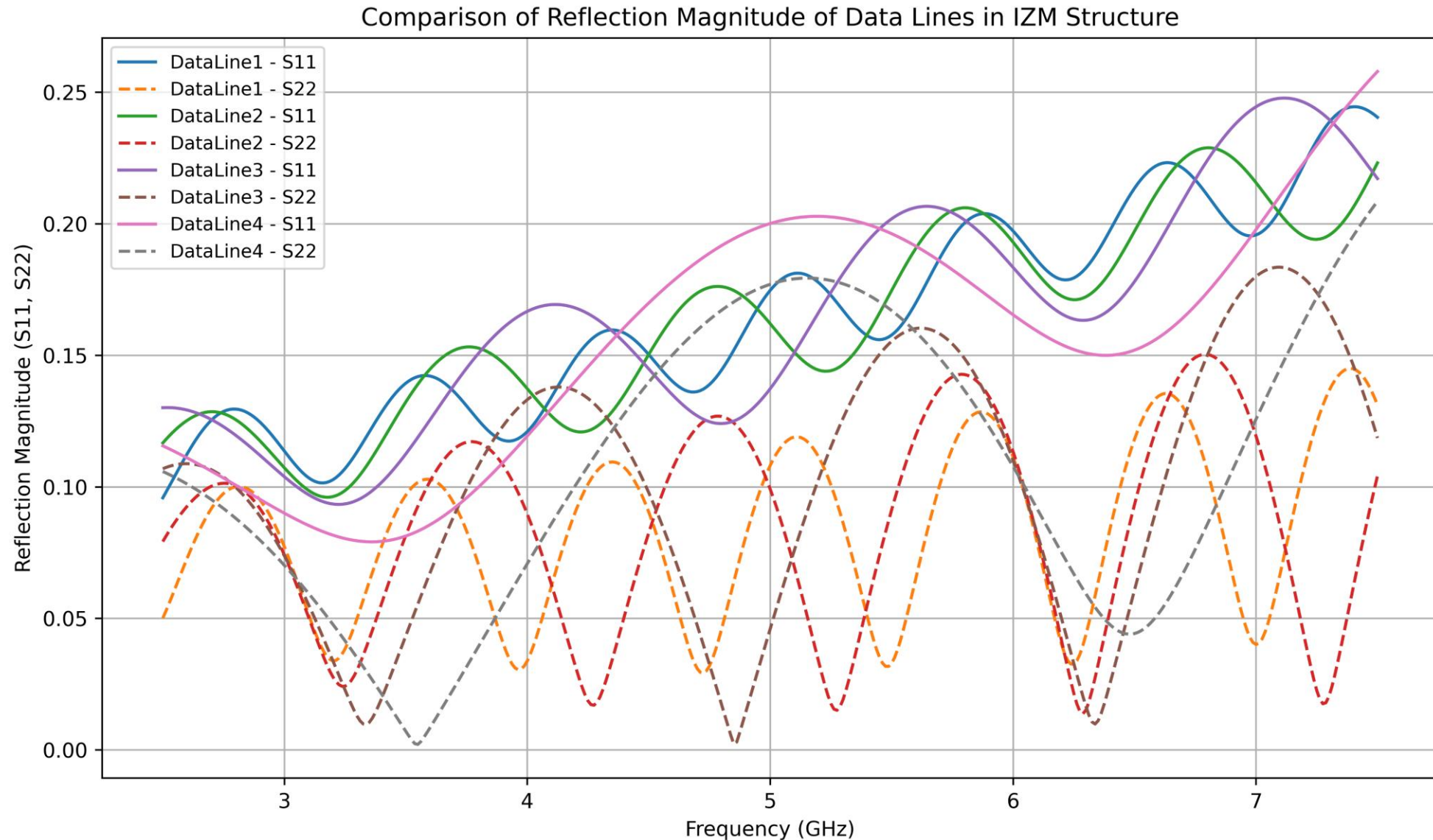


Ansys (HFSS) Simulations of Data lines in IZM structure

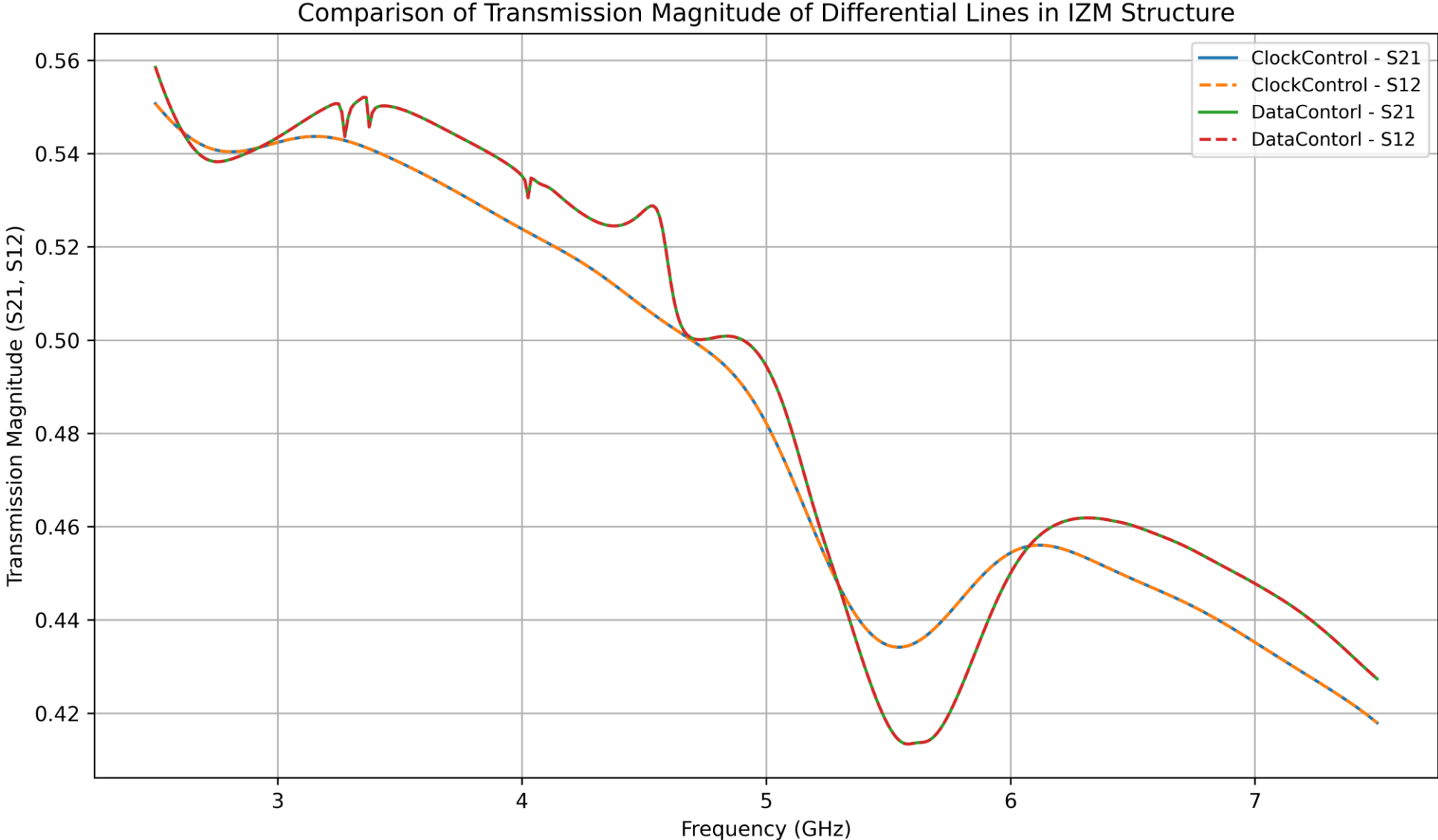
Comparison of Transmission Magnitude of Data Lines in IZM Structure



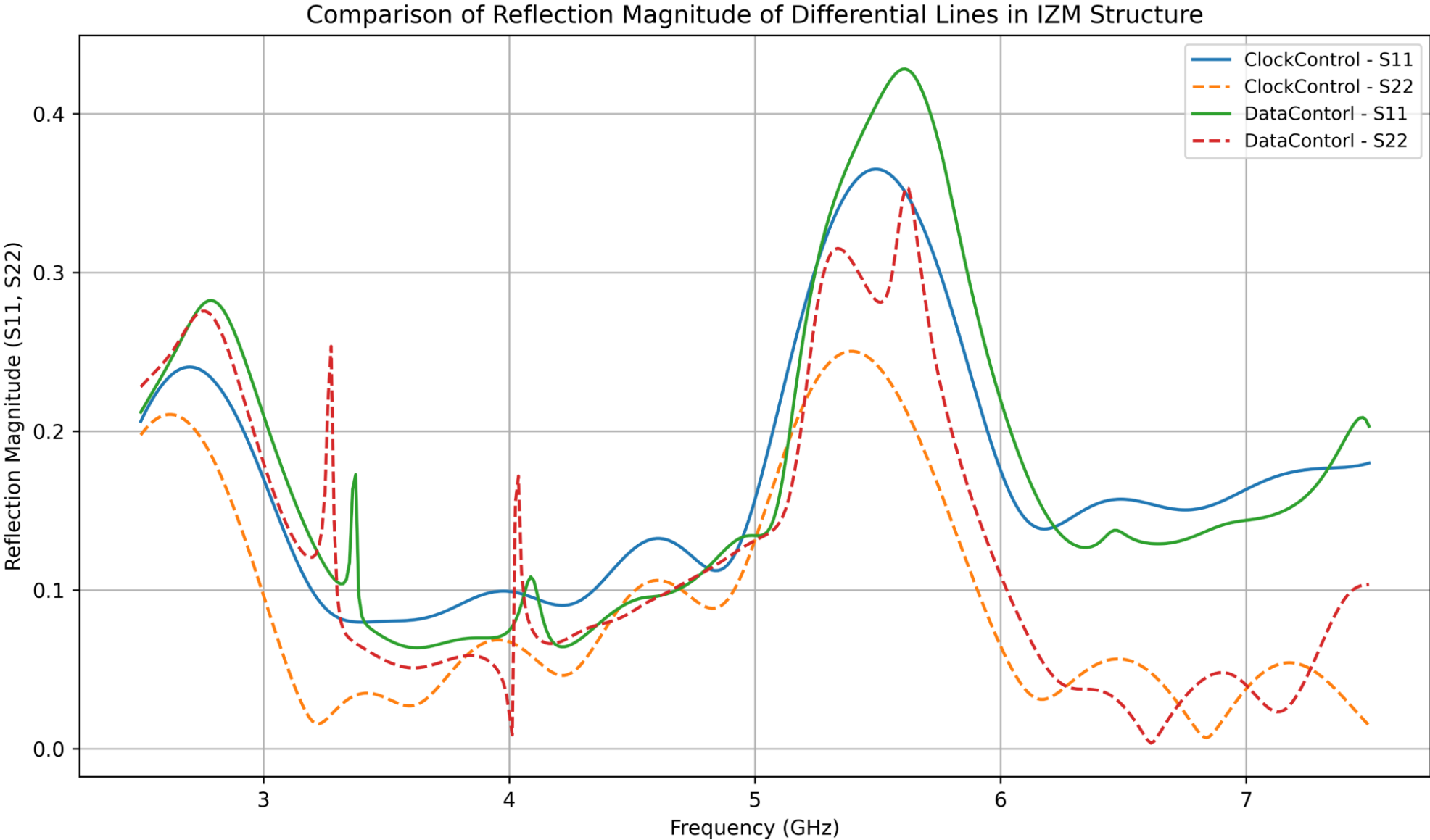
Ansys (HFSS) Simulations of Data lines in IZM structure



Ansys (HFSS) Simulations of Data and Clock Line in IZM structure



Ansys (HFSS) Simulations of Data and Clock Line in IZM structure



Next steps :

- Simulations of IZM structure with surface roughness
- TDR measurements of differential lines

Suggestions?