

Lab 11 Report

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Background

Showing another calibration technique-GRL- in this week. This calibration method can help us using horn antenna to measure the dielectric constant in free space.

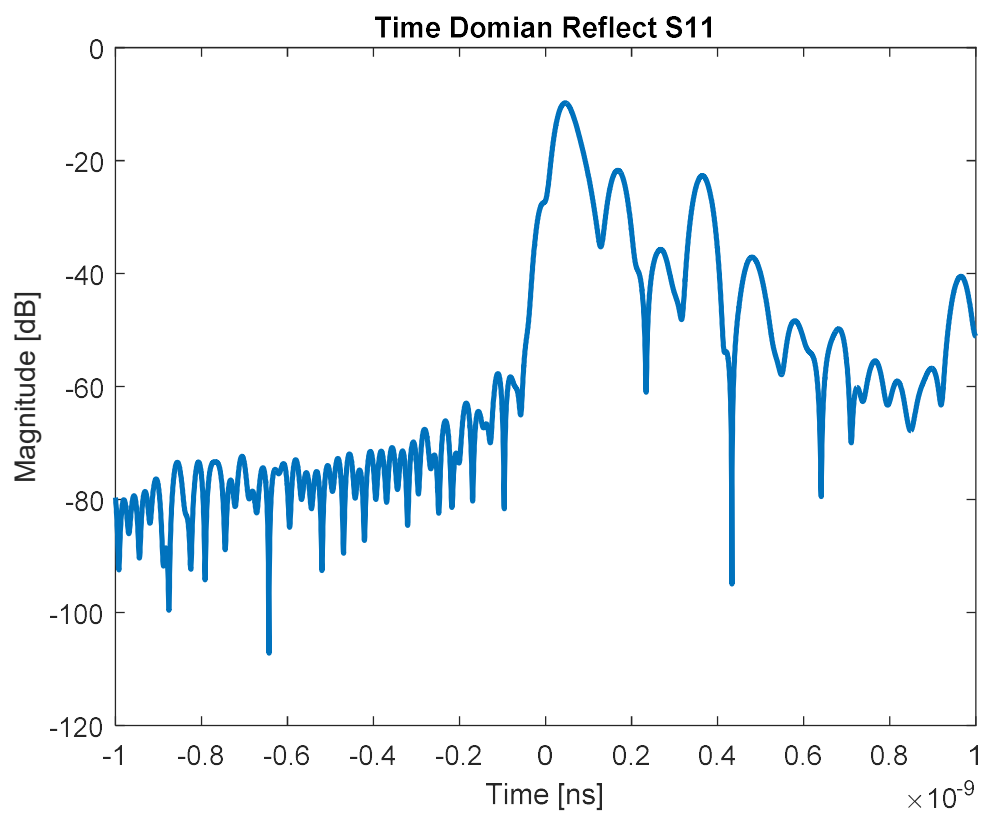
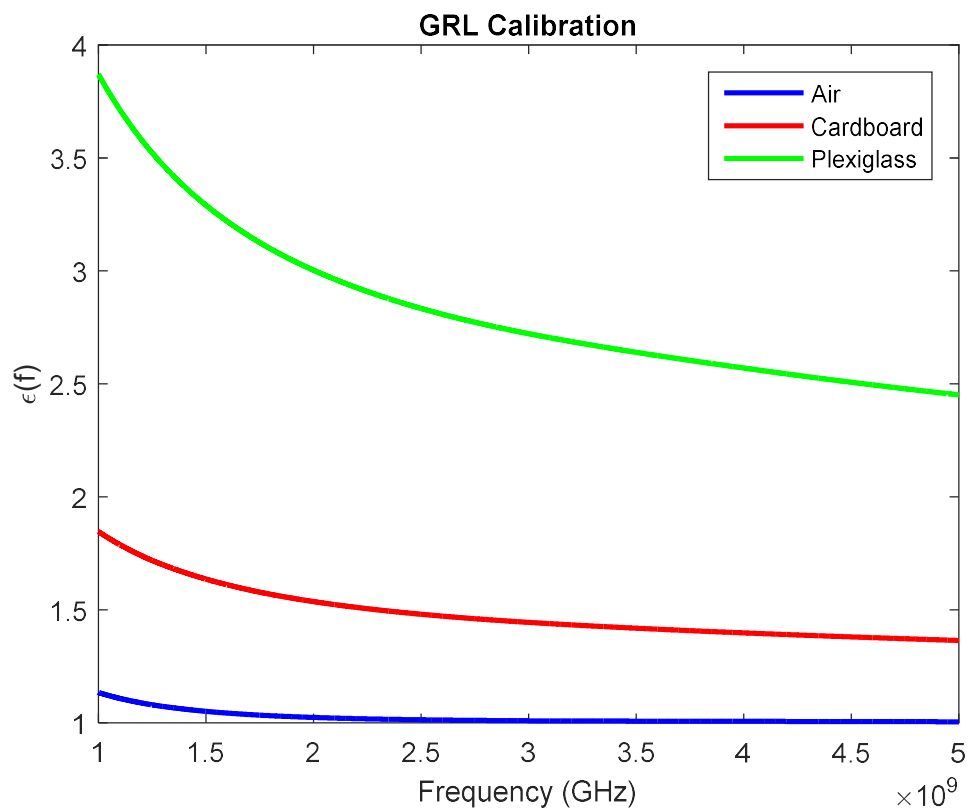
Design

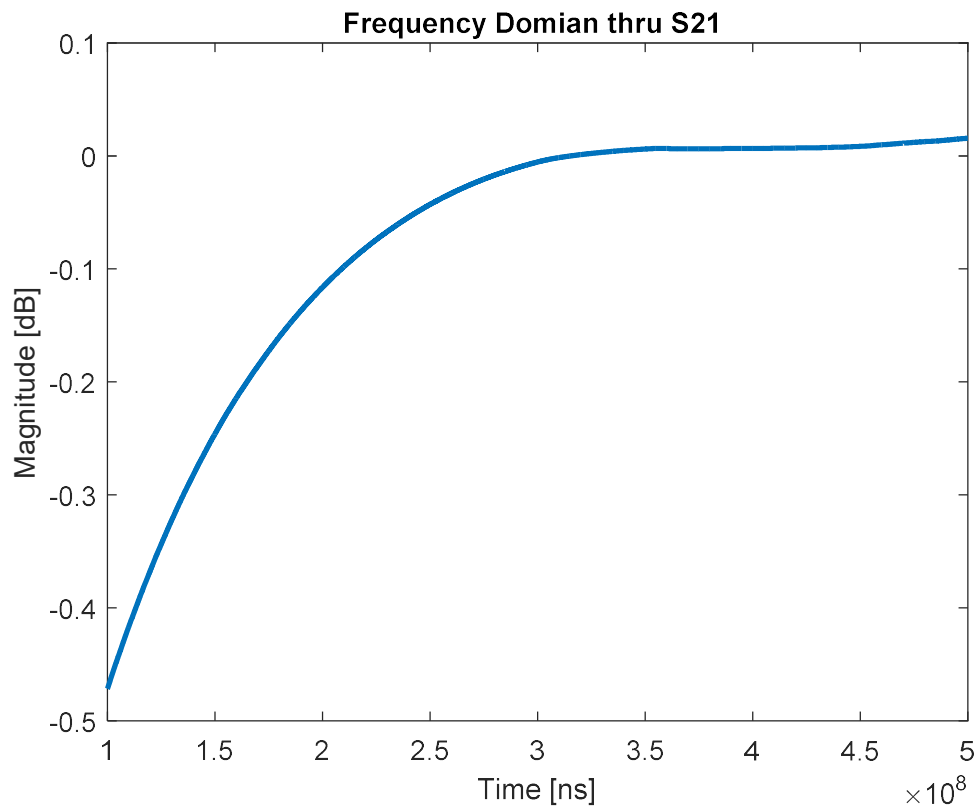
No design in this week

Procedure

1. Do the calibration for NA.
2. Do the GRL for horn antenna.

Results and Discussion





Conclusion

The reflection coefficient in time domain can help us to understand the distance between the discontinuity and port. By changing the material in the specific position, this reflection coefficient can help us to analyze the dielectric constant.

Reflection

I think David can record the measure process as a video for the future use.