

E157 Lecture 24 Day Plan

Any questions before quiz

Quiz + Team Quiz + Talk through solution

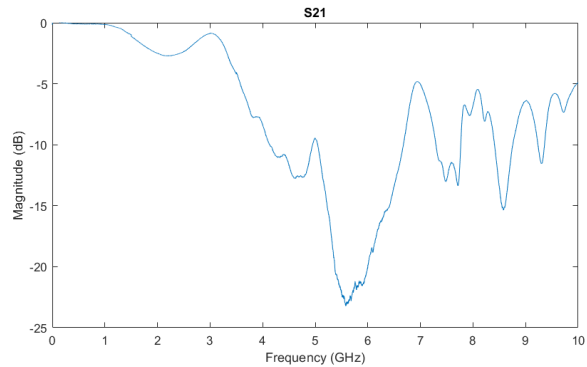
Course Evals

Guest Lecturer next Monday

Course retrospective

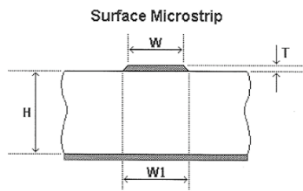
Review board designs and data below

Check-in, office hours



Polar CITS25 - Differential Controlled Impedance Calculator

October 23, 2019



Height (H): 8
 Track Width (W): 17
 Track Width (W1): 18
 Thickness (T): 1.4
 Dielectric Constant (Er): 3.4

Impedance (Zo): 49.05
 Delay (ps/in): 137.27

WEIGHT

OZ

ROGERS 4450F

OZ

ROGERS4350B

OZ

ROGERS 4450F

OZ

DIELECTRIC THICKNESS

8

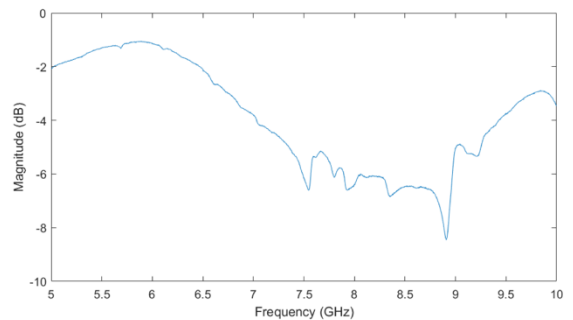
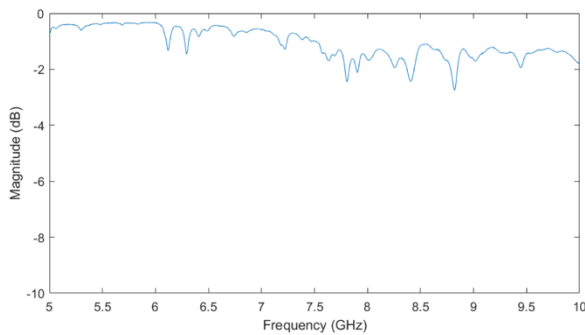
mil

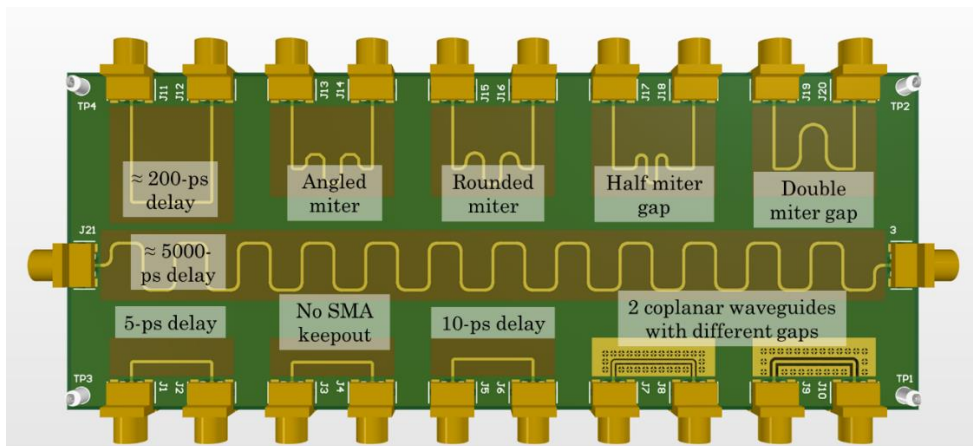
36.57

mil

8

mil





Features: RO4350B substrate, SMA keepouts, exposed copper traces, tapered SMA interfaces

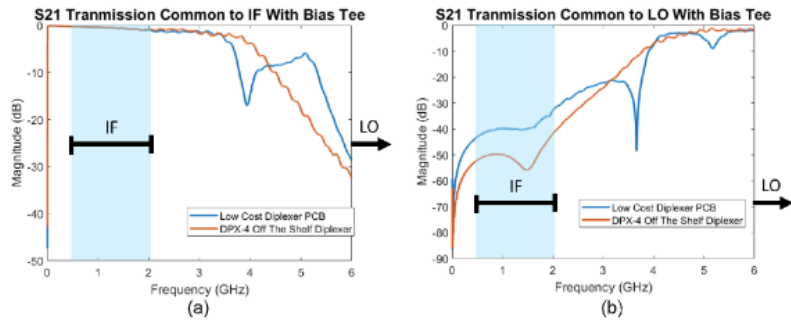
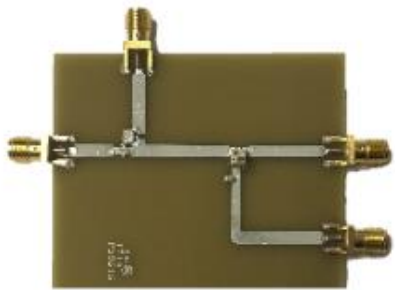


Figure 9: (a) Common to IF Transmission, (b) Common to LO Transmission