E157 Lecture 25 Day Plan

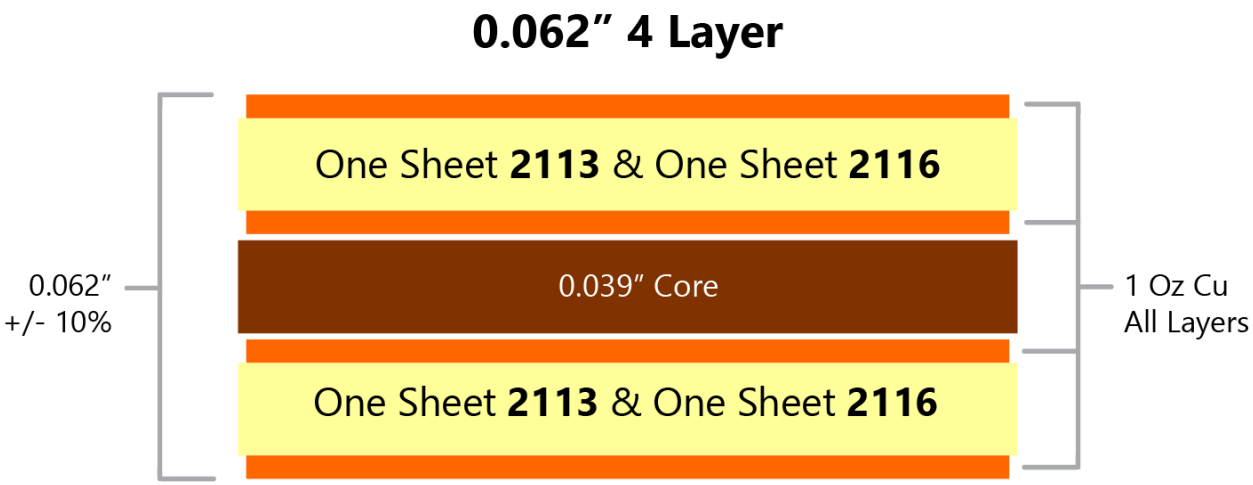
Any questions before quiz

Quiz + Team Quiz + Talk through solution

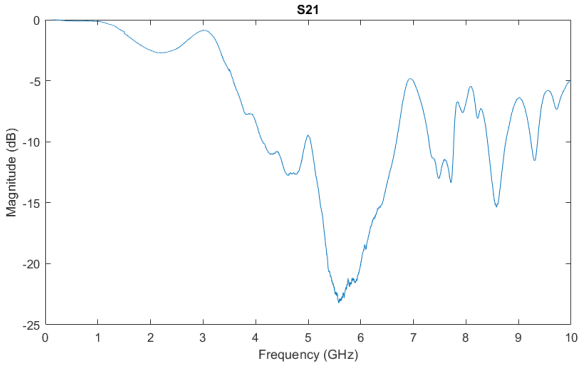
Guest Lecturer Wednesday

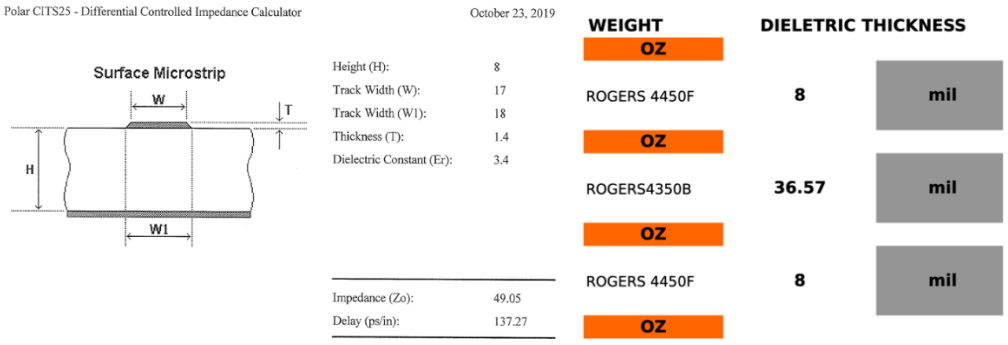
Review board designs and data below

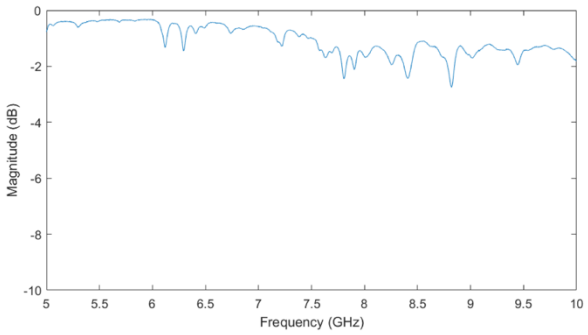
Gradebook cleanup if time

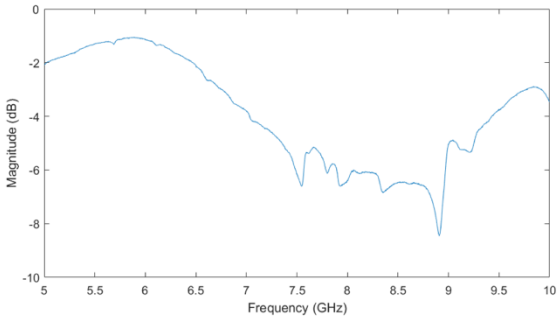


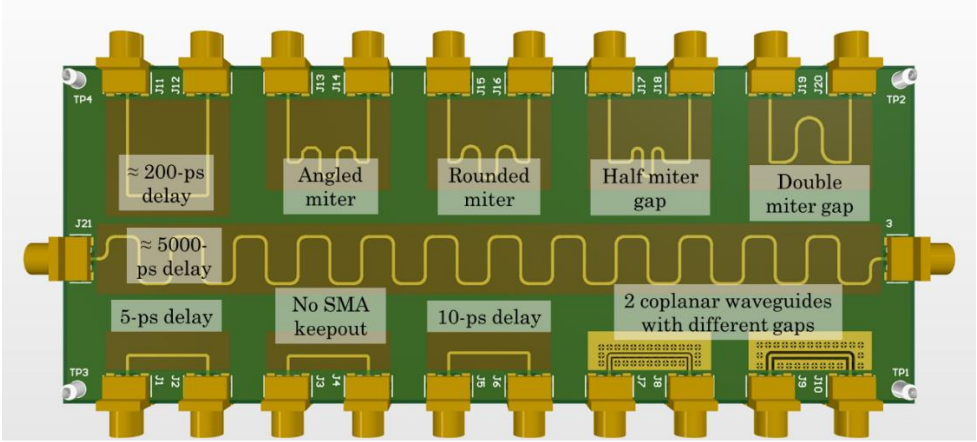
(note 1oz Cu is 1.4mil. Implies 2113+2116 is 10mil. Really: 2113 is ~2.9mil and 2116 is ~4.7)











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

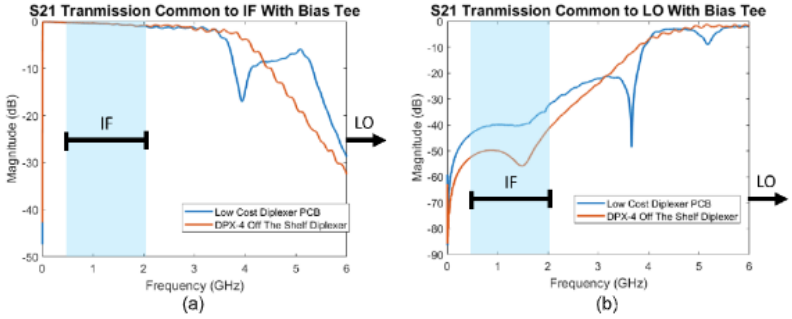


Figure 9: (a) Common to IF Transmission, (b) Common to LO Transmission

4PCB 2 layer

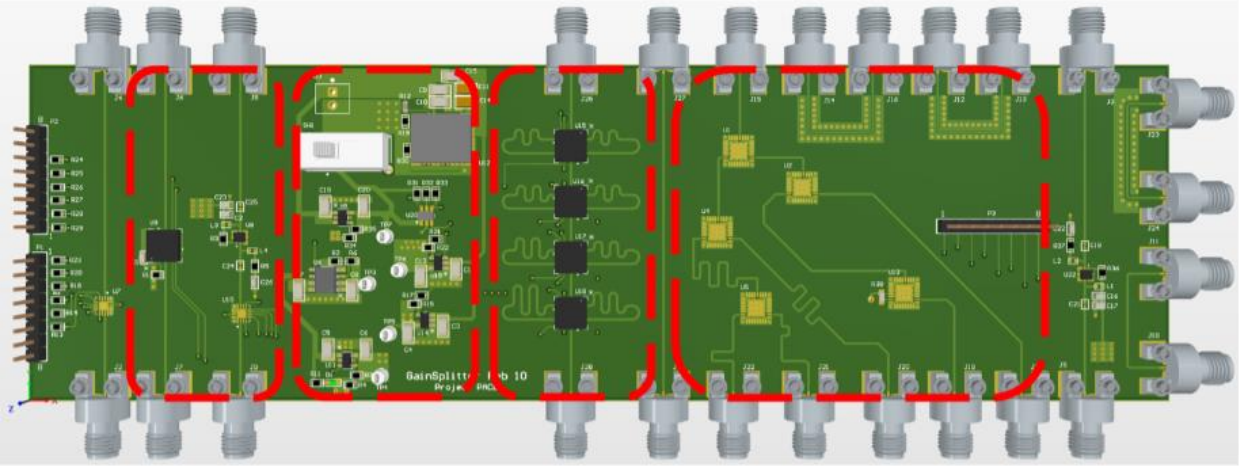


Figure 9. 3D render of Fall Prototype board showing functional blocks

ROGERS stackup w/ custom SMA landing pattern

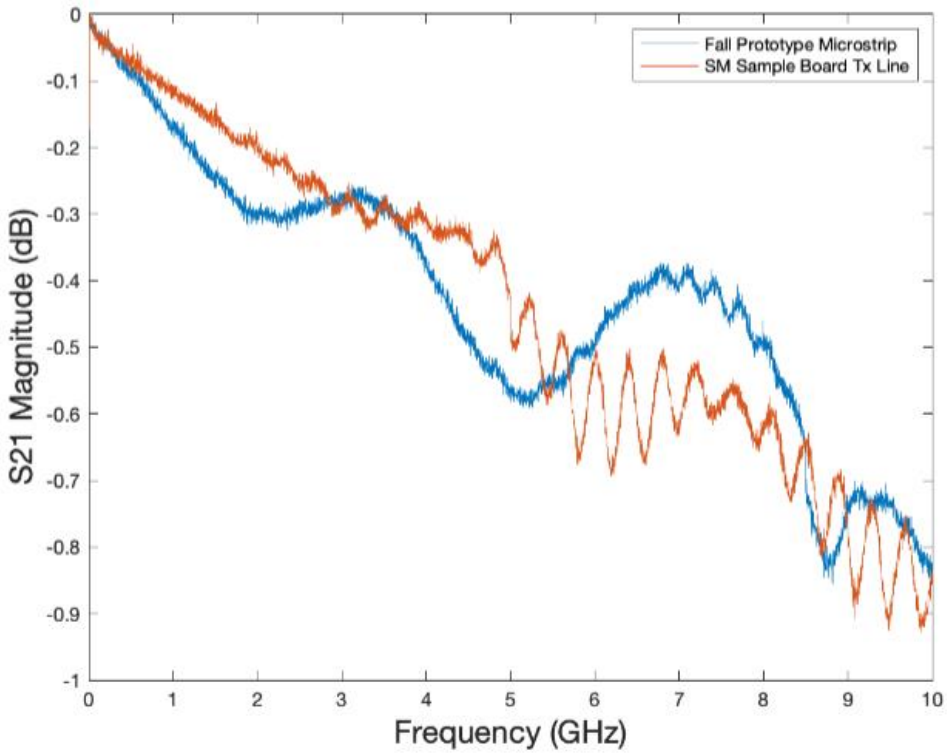


Figure 11. S21 of Fall Prototype trace overlaid with S21 of Tx line on Signal Microwave sample board