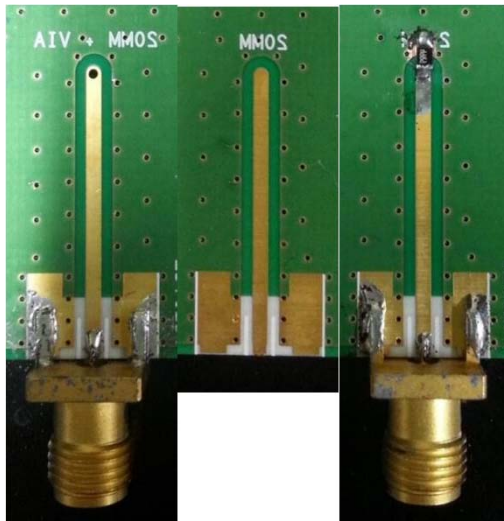
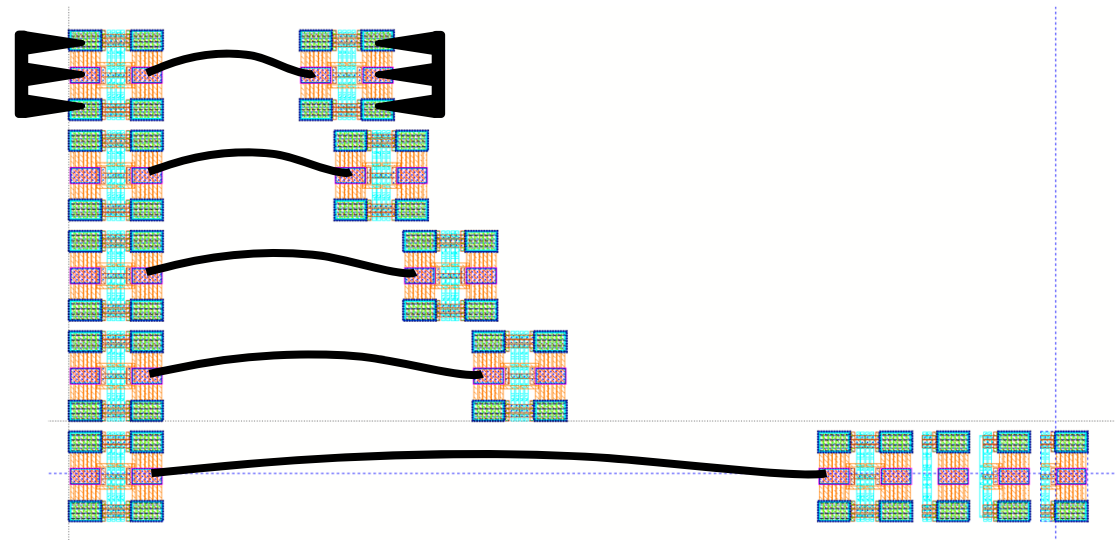


# Bonding wire test

- For high-speed IC design, bonding wire inductance affects
- Research goal: Reliable prediction of bonding wire inductance



Bonding wire measurement by  
SHORT, OPEN, LOAD model  
on PCB board



Bonding wire measurement by  
PAD, OEN, SHORT model on  
chip probing



# MZM bias controller

- Research goal: Design MZM bias control circuit that can automatically provide optimal bias voltage.
- Power minimization of pilot tone's 2<sup>nd</sup>-order harmonic
- IHP's 0.25 $\mu\text{m}$  BiCMOS process

