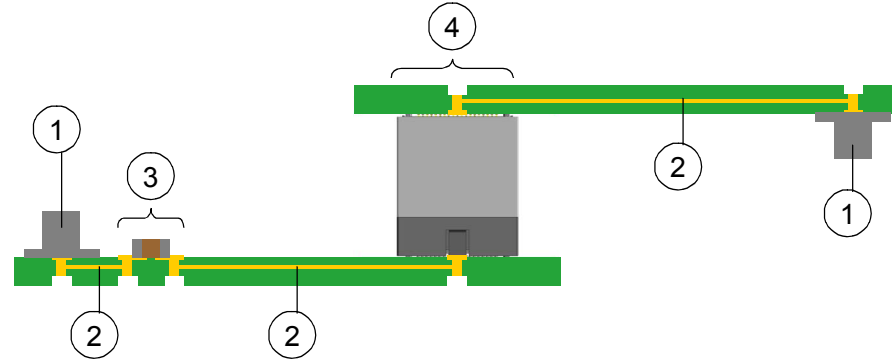


Hirose IT5 Measured Mezzanine Channel

March 26, 2013

IT5 mezzanine channel – 20dB loss

- ① SMA connector
- ② Stripline trace
- ③ DC blocking capacitor
- ④ IT5 connector

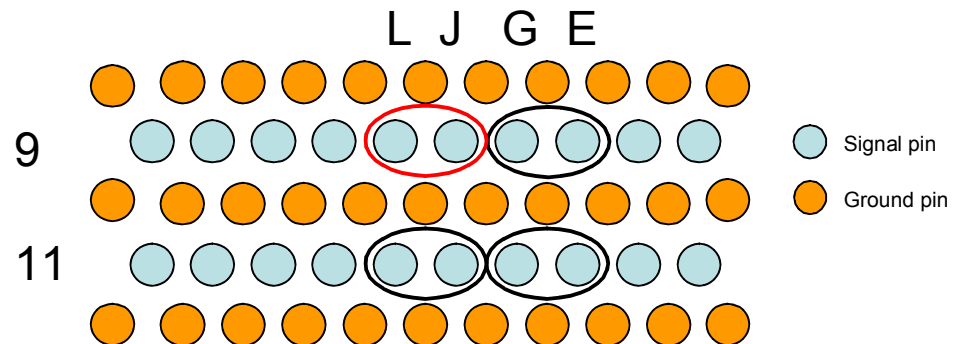


- PCB thickness: 120 mil, 30 layers
- Board material: Megtron 6
- Cu roughness: High
- Trace length: 12" (6" + 6")
- Routed on middle layers
- All vias backdrilled
- 0.22uF capacitors



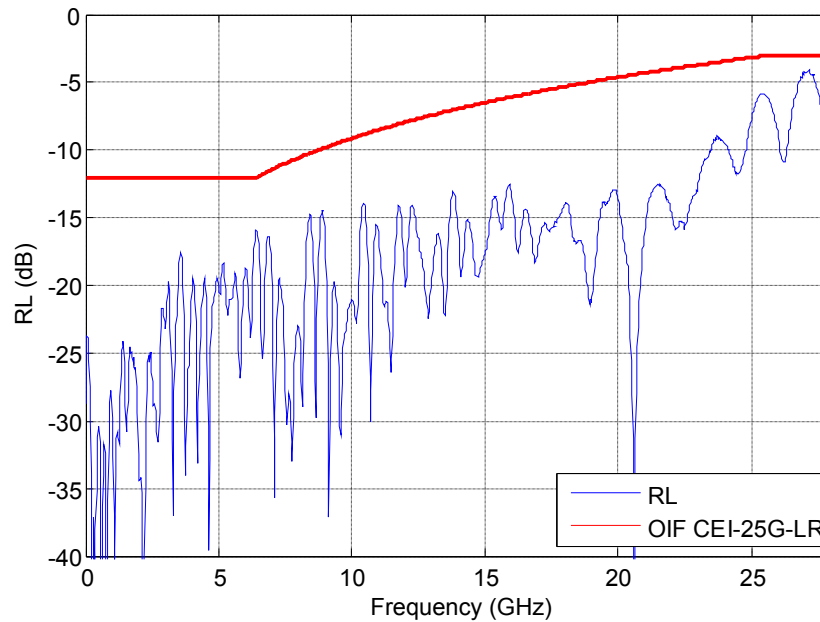
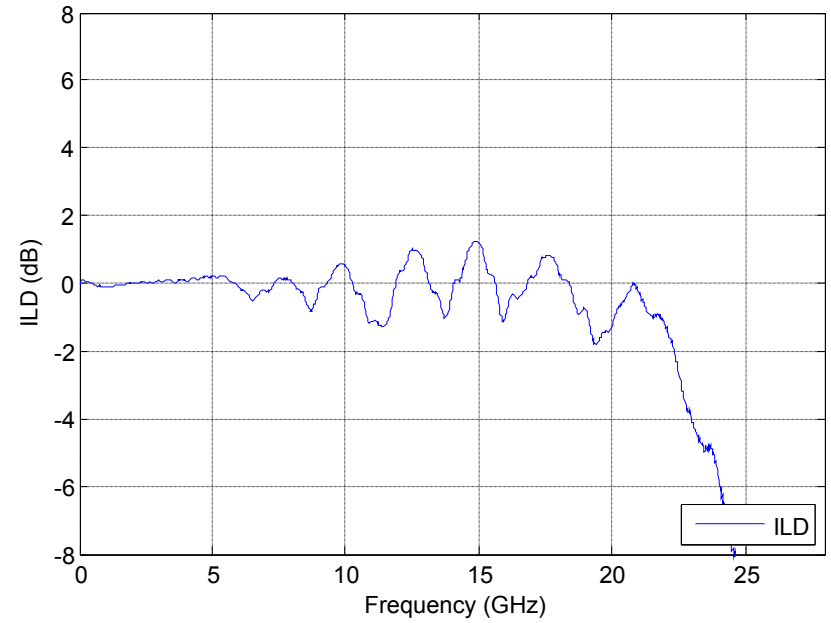
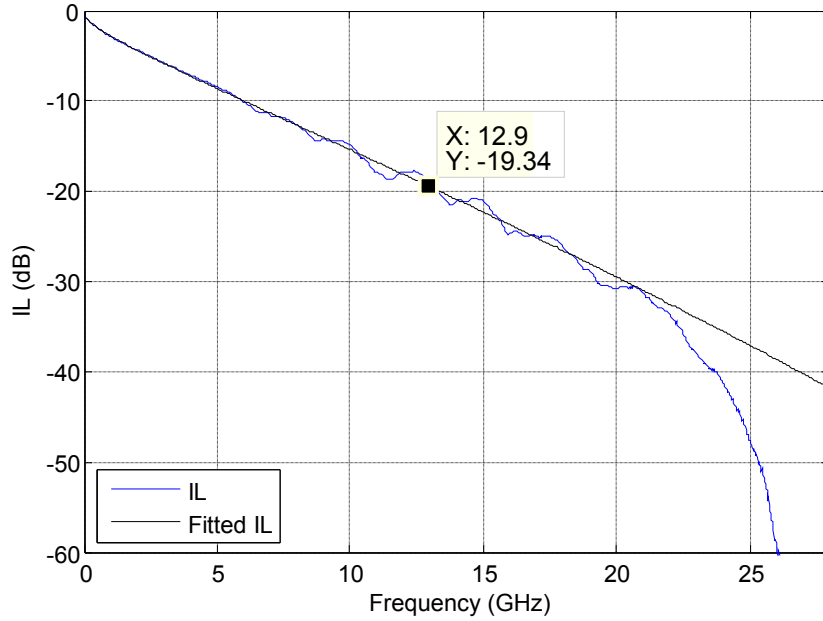
Perspective view

Victim pair: (J9,L9)
 Aggressors: (E9,G9),
 (E11,G11), (J11,L11)
 NEXT & FEXT measured



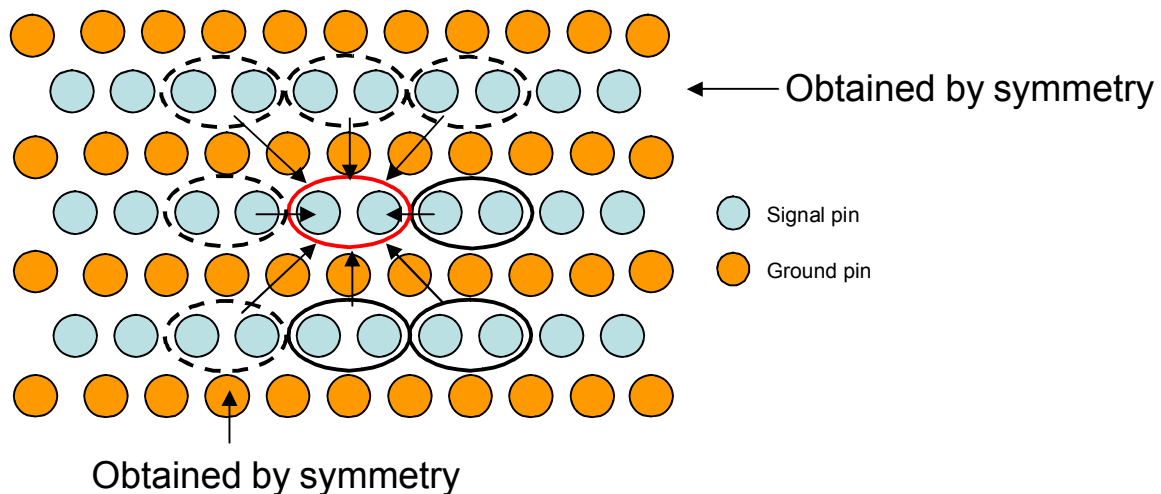
IT5 mezzanine channel – 20dB loss

Measured IL & RL

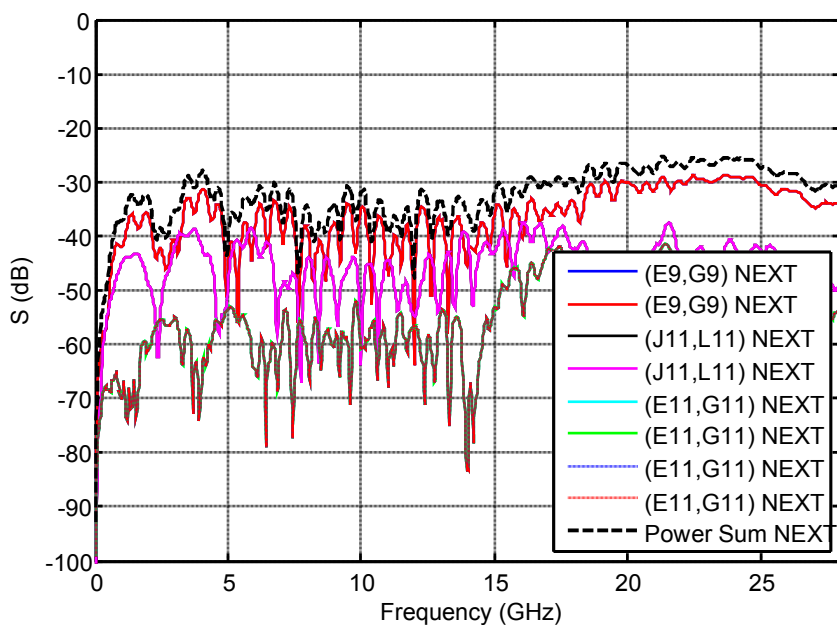


IT5 mezzanine channel – 20dB loss

Measured crosstalk



NEXT



FEXT

