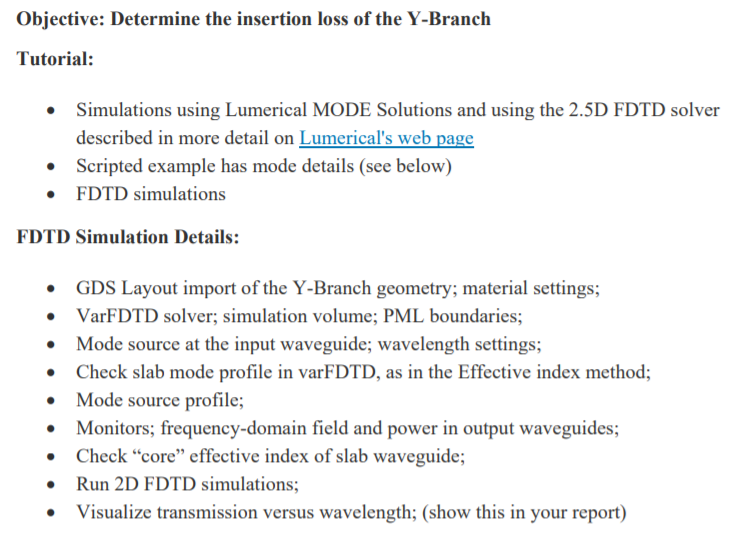
**ECE 560 B6 Lab 3 Report**



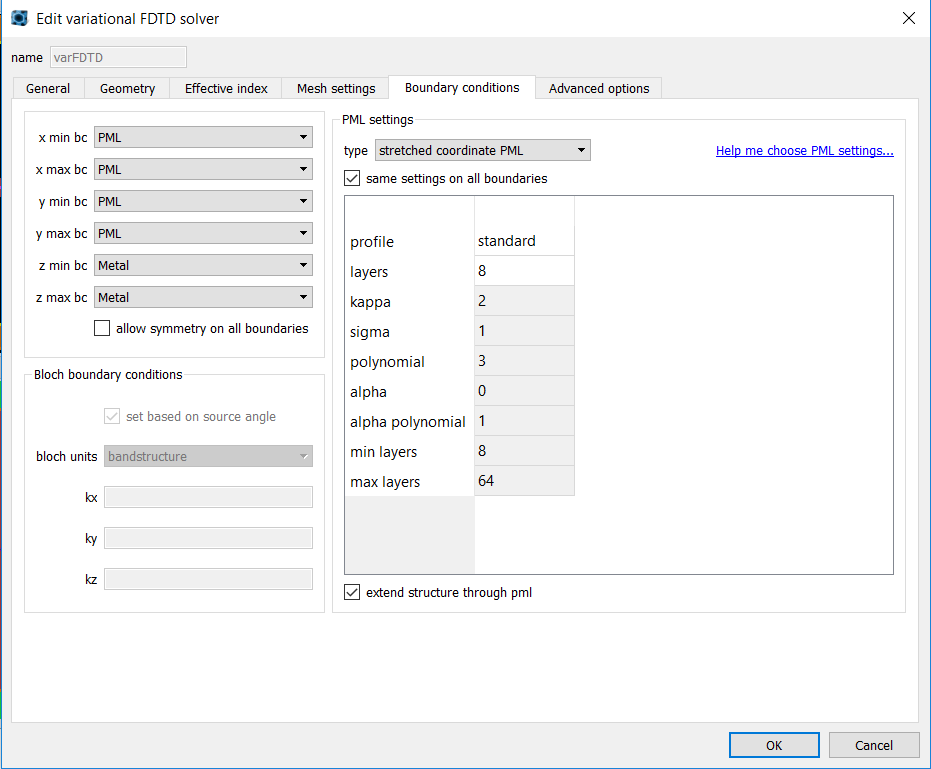


Figure 1: Boundary Conditions

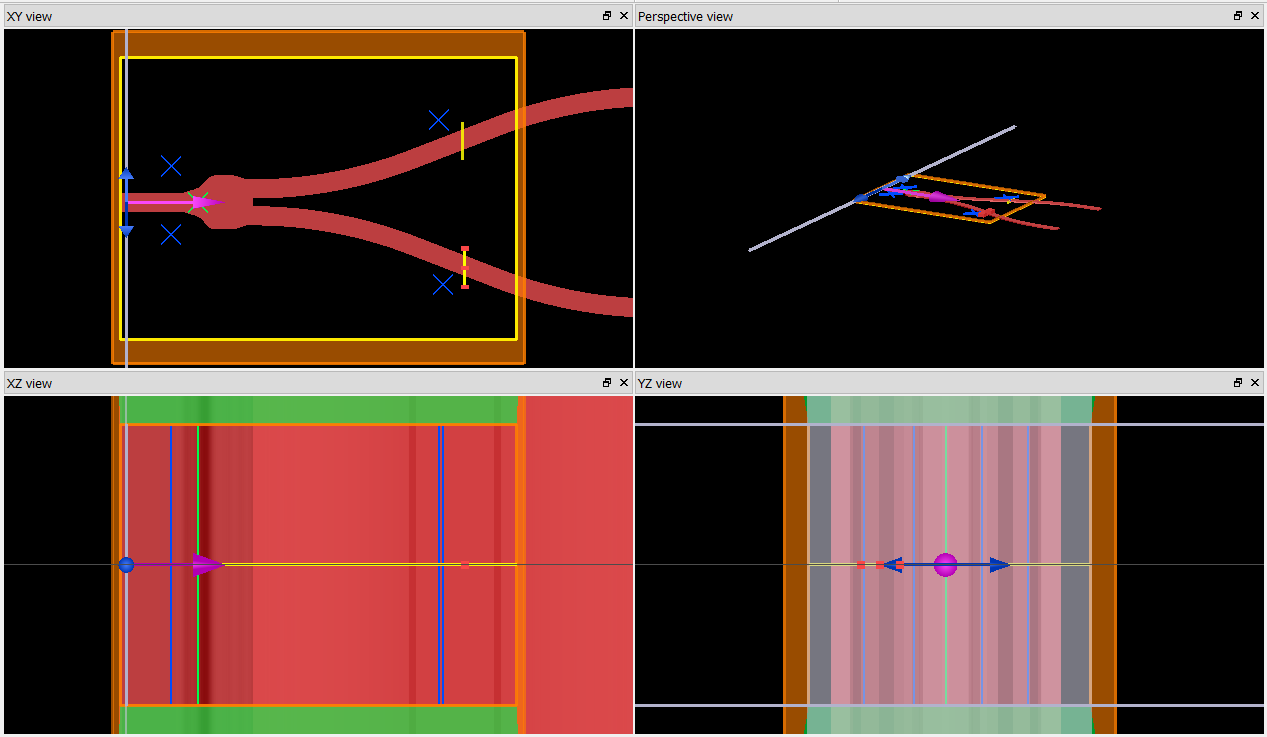


Figure 2: Layout

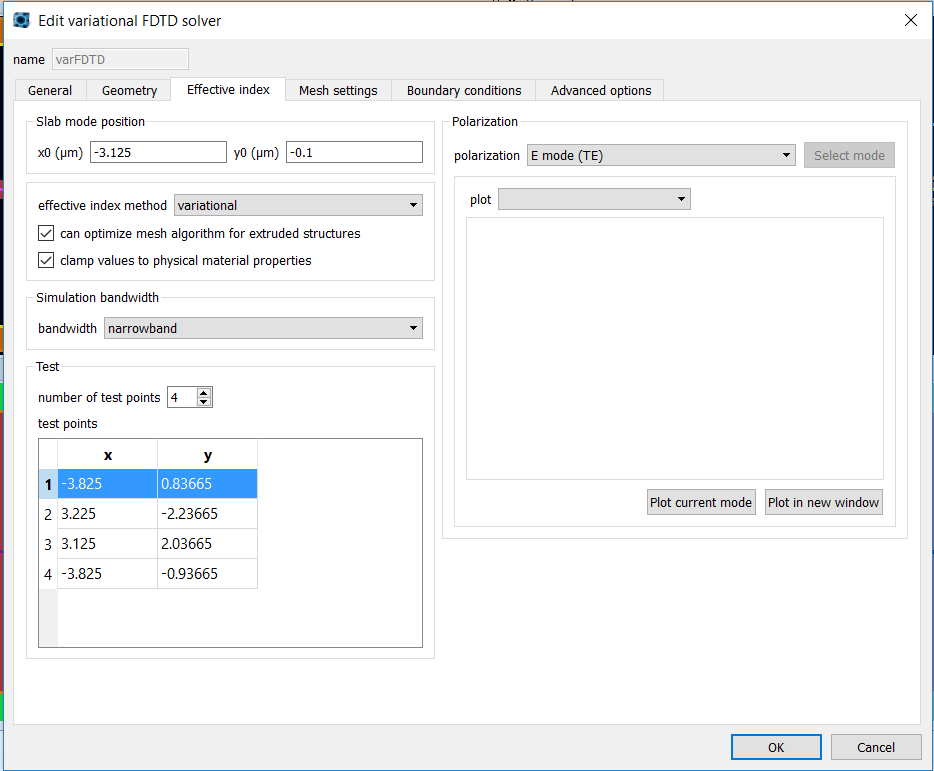


Figure 3: Slab Mode Position

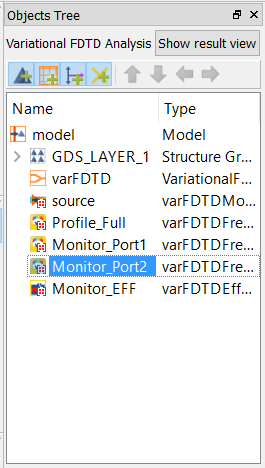


Figure 4: Object Tree

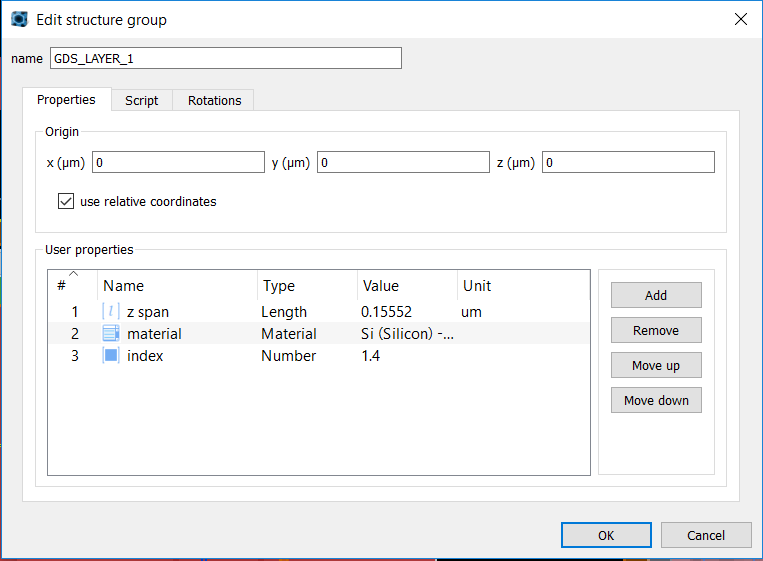


Figure 5: Core Effective index

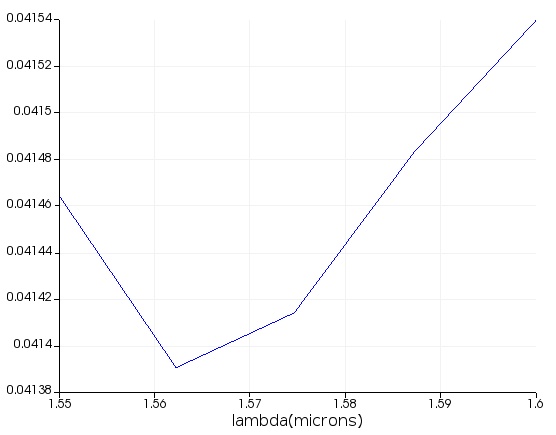


Figure 6: Transmission vs wavelength for port 1

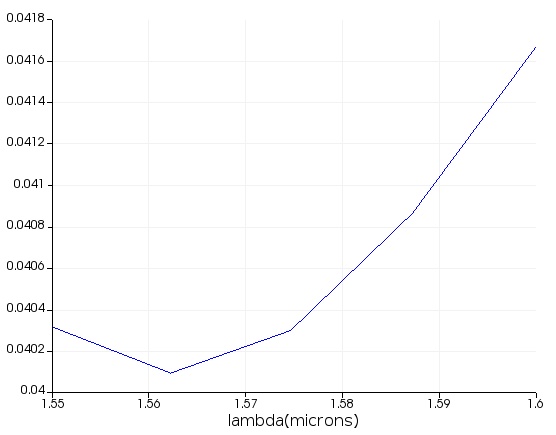
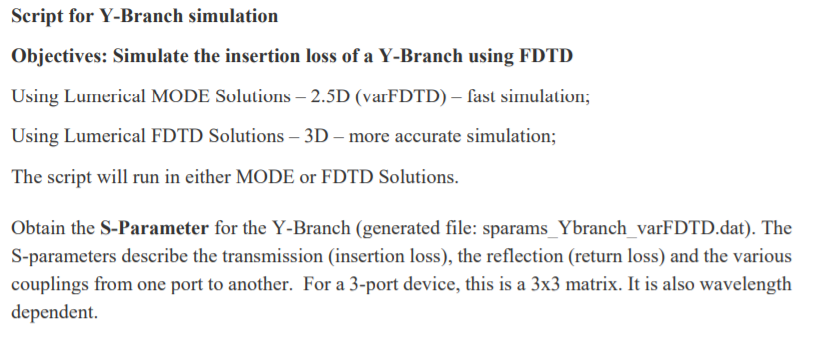
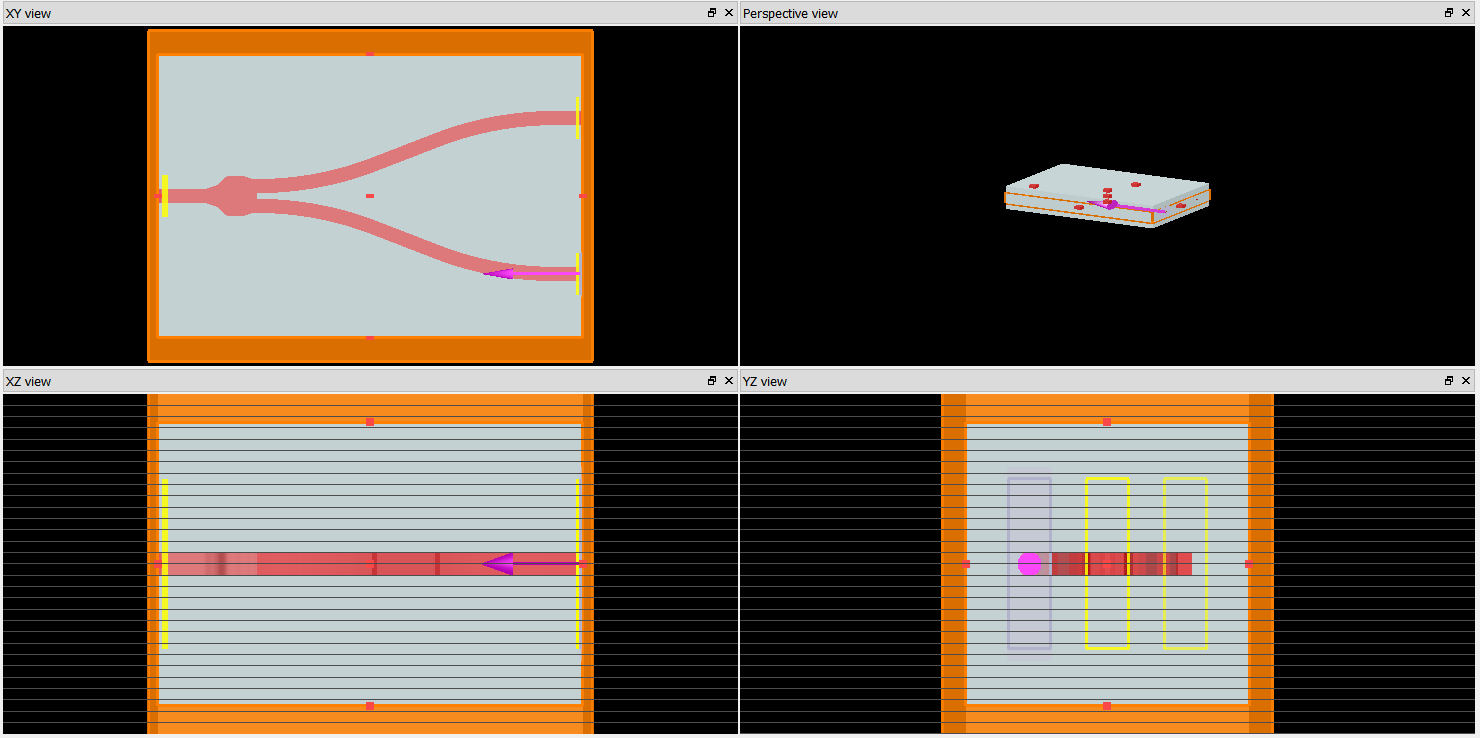
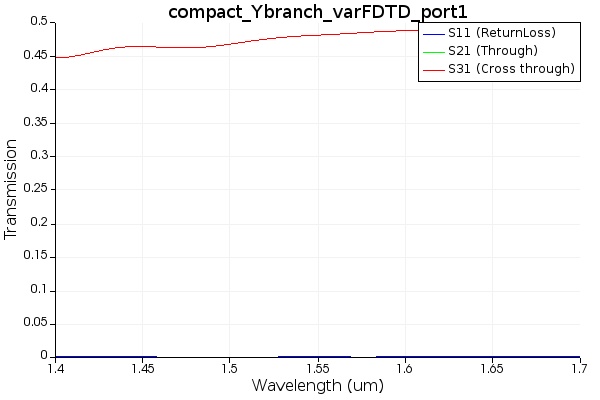
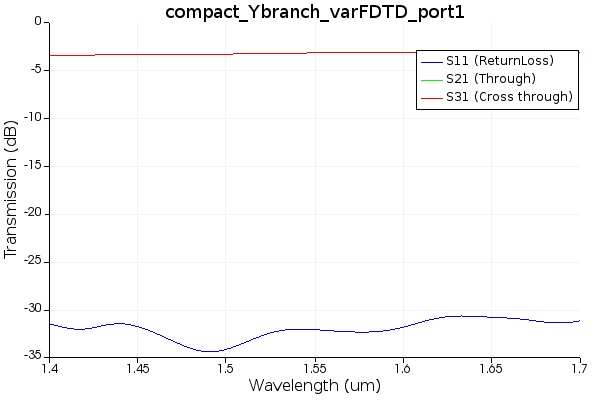


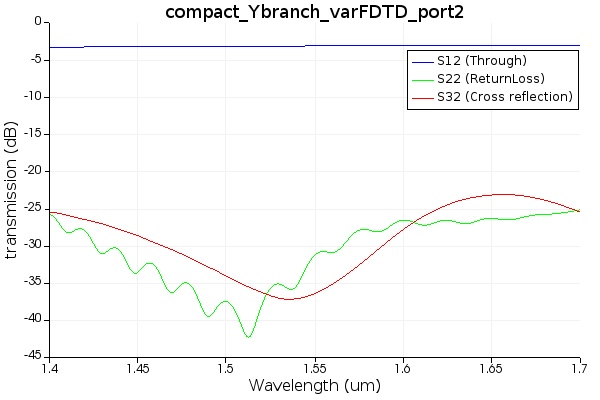
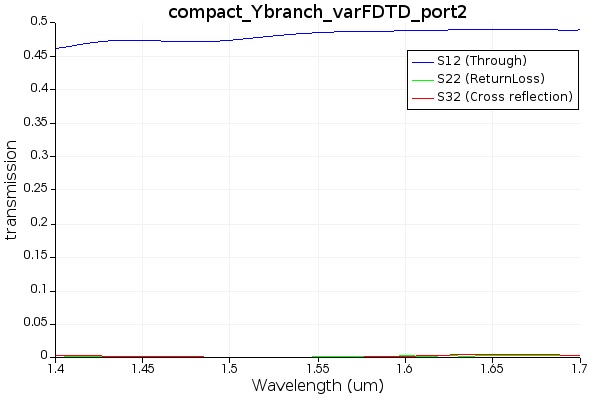
Figure 7: Transmission vs wavelength for port 2



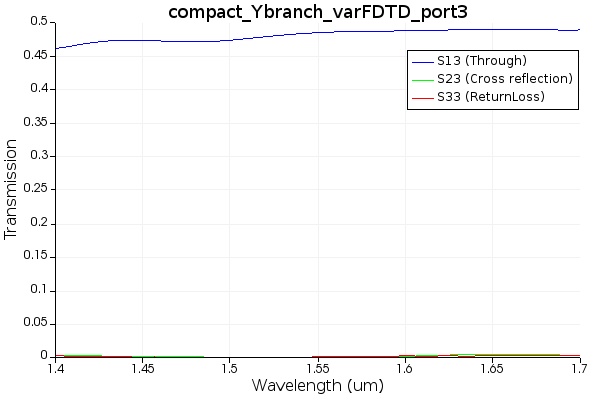
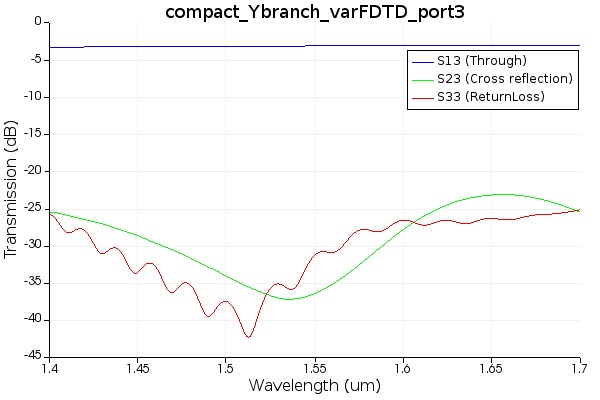


**2.5D Simulations: (Port 1)**

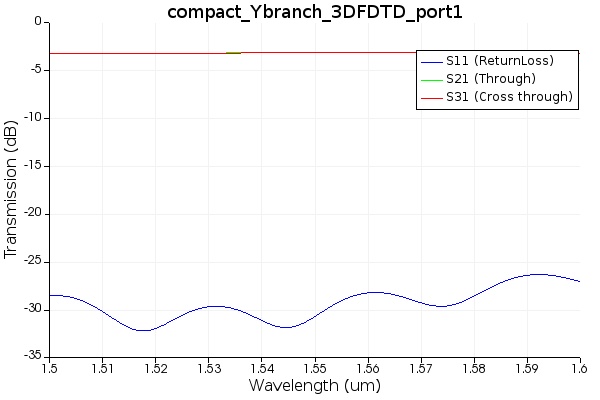
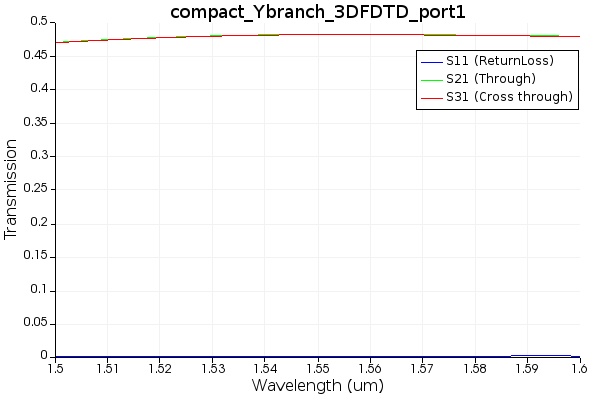
**For**

**Port 2:**

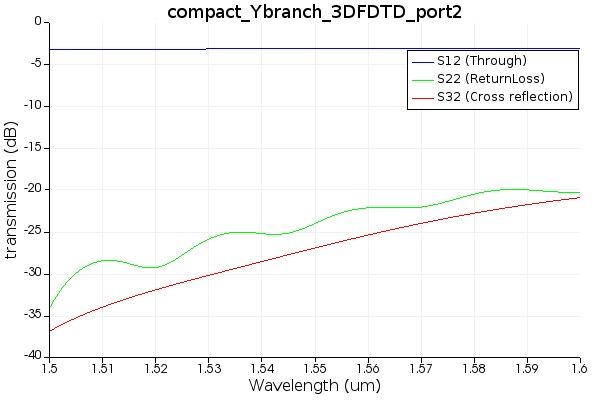
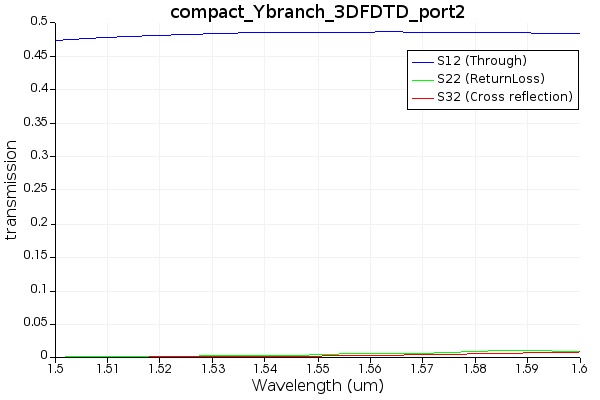
**Port 3:**

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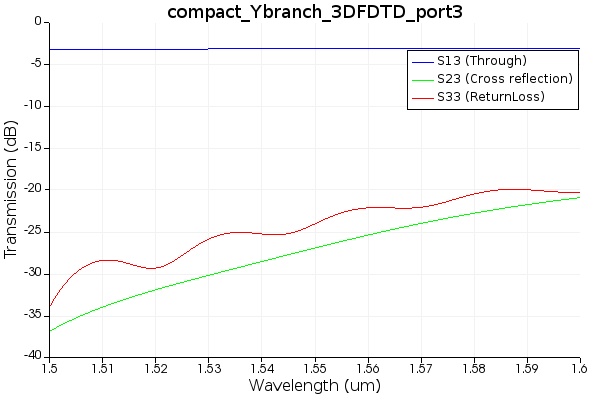
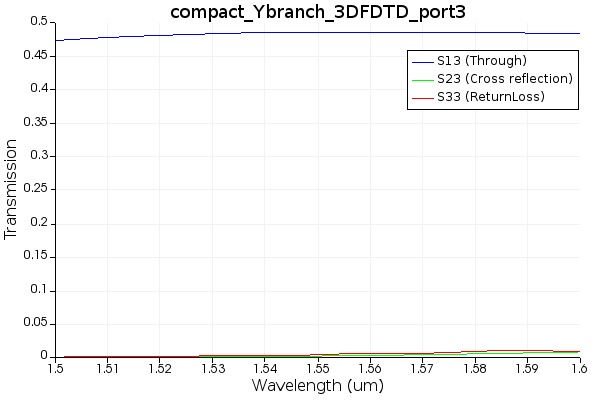
**For 3D simulation: (Port 1)**

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**Port 2:**

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**Port 3:**

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