Printed Circuit Board Transmission Lines

**Microstrip**
Probably most popular PCB transmission line. Easy fabrication and connection, yet is slightly dispersive, lossy, and difficult to analyze.

**Stripline**
Better than microstrip in that it is not dispersive, and is more easily analyzed. However, fabrication and connection is more difficult.

**Coplanar Waveguide**
The newest technology. Perhaps easiest to fabricate and connect components, as both ground and conductor are on one side of the board.

**Slotline**
Essentially, a dual wire transmission line. Best for “balanced” applications. Not used much.
An antenna array feed, constructed using microstrip transmission lines and circuits.

A wideband microstrip coupler.