Beamforming Networks – Joshua Kast

**Beamforming Network**

**Beam Ports:**
Connect to TX/RX equipment

**Array Ports:**
Connect to antenna array elements

**Dummy Ports:**
Reduce coupling effects between lens ports

**Array Ports:**
Connect to antenna array elements

**2D Beamforming Network**

**Horizontal Beamformers:**
Provide beam steering in horizontal plane. May be Rotman Lenses or Butler Matrices

**Interconnects:**
Connection between horizontal and vertical beamformers

**Vertical Beamformers:**
Provide beam steering in vertical plane.

**Microstrip Rotman Lens:**

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