

Eye Shaped Fabric Antenna for UWB Application

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Abstract

This paper presents a fully fabric Eye shaped antenna for Ultra-wideband (UWB) applications. The effect of using cutting slots on the ground plane is investigated. By using Coplanar Waveguide (CPW)-fed, the implementation of a semicircular and two triangular cutting slots have improved the antenna bandwidth. Details of the Eye shaped antenna design and simulated and measured return loss results are presented.

Keywords

Fabrics

Antenna measurements

Ultra wideband antennas

Bandwidth

Loss measurement

Slot antennas