

Abstract(First Antenna)

This bidirectional dual-polarization antenna used a horizontal polarization and vertical polarization to reach dual-polarization orthogonal coupling antenna , and construct a direction patch array at that angle of 180 degrees in two directions. It structure create the high gain at both directions. It bidirectional dual-polarization antenna has the band is 2.38-2.58GHz (8%) and 10dB high gain effect, and with highly symmetric bidirectional pattern. This antenna is suitable for dual-polarized bidirectional 2.45GHz and 2.4GHz WLAN applications.