

Abstract

A radio wave arrival angle detection device of the present invention extracts symbols and resolves the same into sub-carriers having various frequency components, for OFDM carrier waves received by a first antenna and a second antenna, respectively. The arrival angle of the carrier waves is calculated on the basis of the geometric relationship between a phase shift of the respective sub-carriers of the OFDM carrier waves received by the first antenna and the second antenna, and the arrangement of the first antenna and the second antenna.