

ABSTRACT

The communication technology development in modern world grows faster and more various. One of them is WiMAX technology. Here in WiMAX, antenna has an important role in information receiver and transmitter as electromagnetic wave transformer which is got through transmission channel from and to free area.

At final project, 4-square element array microstrip antenna is design at frequency 3300-3400MHz, to support WiMAX technology . Dimension of antenna is counted by mathematically and it using Ansoft Ensemble 7.0 software as a simulation tool before pabrication. The simulation result is implemented by using material, which is PCB with 3,22 mm of thickness. The Expecting gain in this final project more than 5 dBi.

Keyword: Microstrip antenna, square , and WiMAX