

ABSTRACT

The rapid growth of wireless and mobile communication system in the world is faster and immeasurable, so that emerging many new standards technological and sophisticated progressively. One of them the technology is WIMAX (Worldwide Interoperability for Microwave Access) operating on frequency 2,3 GHz, 2,5 GHz, and 3,5 GHz. This operate final project on frequency 2,3 GHZ to span frequency (2300 - 2400) MHz.

This final project will be designed and simulated of stacked inverted circular microstrip which consist of upper patch and lower patch at single dielectric substrat. Then ration method is used ration method by coaxial probe, inner from attributed to antenna patch directly by coaxial probe then soldered. The concepts of the design are able to produce an antenna that is easy to make, inexpensive, compact size, and able to work on frequency that accordance with WiMAX technology (2,3 GHz – 2,4 GHz).

Key Word : Microstrip Antenna, WIMAX, Probe Coaxial