ABSTRACT

The purpose of making the final task is to design, create and apply the microstrip antenna with rectangular patch to be working at a frequency of 2.4 GHz.

The antenna is an inseparable part of a wireless communication system the growing popularity of wireless communication makes the need for the antenna increase, therefore it takes an antenna with a compact physical form, already to fabricated and has hig performance to be appiled to existing wireless telecommunication devices.

This antenna is made with FR4 Substrate materials with dielectric constant or ε_r *= 4.4 loss tangent tan* δ *= 0.02 and thickness h = 1.6 mm with the help of Ansoft HFSS v11 Software. This antenna is expectes to be one option antenna on the future.*