Abstract

The simulation study of E patch antenna parameters using IE3D for newly synthesised Sm-Gd nano ferrite coated over RT Duroid is presented in this paper. These simulated results for the center frequency of 5 GHz showed a Return loss of -20.35dB, VSWR of 1.21, the Directivity was 8.32 dBi and the Gain came to be -16.39dBi. These results were better than the results of
Sm-Gd doped Magnesium Ferrite for E-shaped Microstrip Patch Antenna

Sm doped Mg ferrite

References


Index Terms

Computer Science

Applied Sciences

Keywords

Micro strip E patch antenna

Sm Gd doped Nano ferrite

RT Duroid