



## Analysis and design of rectangular microstrip patch antenna on different substrate materials in X-Band

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GRIN Verlag GmbH. Paperback. Condition: New. This item is printed on demand. 24 pages. Dimensions: 8.3in. x 5.8in. x 0.1in.Research Paper from the year 2014 in the subject Engineering -Communication Technology, grade: 10.0, , course: Electronics and Communication Engineering, language: English, abstract: In this paper software based design and analysis has been carried out for a rectangular patch antenna using different substrate materials. A coaxial probe fed rectangular microstrip patch antenna operating at X-band (8 to 12 GHz) is analyzed on different substrate materials like Rogers RTduroid 5880, Rogers RTduroid 5870, Neltec NX9240, Arlon DiClad 522, and FR4epoxy. The design is analyzed by Finite Element Method (FEM) based HFSS EM simulator software. Return loss, VSWR plot, smith chart and radiation pattern plots are observed and plotted for all antennas. This item ships from La Vergne, TN. Paperback.



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