Analysis of Multiband Microstrip Antenna with Multiple Rectangular Slots

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Abstract
A compact multiband antenna with multiple narrow slits is studied. The reported antenna yields a multi-band response in the range of 5 – 8 GHz. But the effect of the multiple narrow slits on the lower order modes of the antenna is not mentioned. Hence, a parametric study of various slot dimensions is carried out and the effect of increasing slot length on the lower order modes is studied. Further, the equivalent dimensions of the same structure for operation at 900 MHz are calculated and the simulated and measured results for the same are presented.

References


Index Terms

Computer Science

Wireless
Keywords
Microstrip Antenna  Multi-band Response  Multiple Rectangular Slots