Abstracts

A novel microwave absorber with surface-printed conductive line patterns

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A novel microwave absorber with surface-printed conductive line patterns is proposed. The advantage of this absorber is to be able to control the matching frequency both toward a higher frequency or a lower frequency region and to offer twin-peaks characteristic using a conventional single material. The matching characteristics are investigated particularly for making a slim absorber by FDTD analysis and experiments. A slim absorber of 2 mm thickness at 2.45 GHz is presented by computer-aided design.

❑ Return to main document.