

عنوان مقاله:

Modified hexagonal triple-band metamaterial absorber with wideangle stability

محل انتشار:

دومین کنفرانس بین المللی مهندسی برق (سال: 1396)

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نویسندگان:

Reza Asgharian - *Department of Electrical and Computer Engineering, Babol Noshirvani University, Babol, Iran*

Bijan Zakeri - *Department of Electrical and Computer Engineering, Babol Noshirvani University, Babol, Iran*

Omid Karimi - *Department of Electrical and Computer Engineering, Tarbiat Modares University, Tehran, Iran*

خلاصه مقاله:

In this work, a T-shaped and square-liked ring resonator Metamaterial absorber has been presented. The unit cell consists components based on three hexagonal closed rings. Excellent absorption has been resulted by modifying hexagonal cell. The absorption rates are 95, 97 and 99% at 5.8, 9.52 and 11.97GHz, respectively. The structure has been implemented on 1mm-thick FR4 substrate considering low cost and simple process in the fabrication. The results show a wide-angle stability under TE and TM polarizations. The numerical simulation agrees the corresponding measurement.

کلمات کلیدی:

Metamaterial absorber, high absorption, hexagonal closed ring, wide angle stability

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