

## عنوان مقاله:

A novel Dual-Band 3-way Unequal Power Divider for Feed Network of the Binomial Antenna Array

## محل انتشار:

پنجمین کنفرانس بین المللی مهندسی برق و کامپیوتر با تاکید بر دانش بومی (سال: 1396)

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## خلاصه مقاله:

In this paper a dual-band 3-way power divider with power dividing ratio of 1:4:1 is designed and simulated. The proposed power divider is designed on a low cost substrate with relative permittivity of 4.4 and thickness of 0.79 mm to work at two operational frequency bands, 0.9 and 2.4 GHz. Simulation results show the excellent input return loss, good isolation and the desired power ratio between output ports in both the two frequency bands. The design concept of this paper can be easily used to design various microwave devices and various power divider with any number of output ports and arbitrary frequency and power dividing ratio

## کلمات کلیدی:

dual-band, binomial array, power divider, 3-way power divider, feed network

## لینک ثابت مقاله در پایگاه سیویلیکا:

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