

## عنوان مقاله:

Analysis, design and simulation a helix antenna

## محل انتشار:

کنفرانس بین المللی یافته های نوین پژوهشی در مهندسی برق و علوم کامپیوتر (سال: 1394)

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## خلاصه مقاله:

In this paper, the wire helix antenna with a new structure has been designed and simulated. We used two similar helix antenna that connected to each other as an array antenna with 2 arrays only. The length of this antenna in relation to wave length is very small, in addition to this antenna have a high radiationresistance and low imaginary resistance. Also the antenna dimension gets better for having a high efficiency and the most bandwidth in 260 MHz to 280 MHz frequencies. For simulating this antenna we use the S-NEC software that is one of a specific for antenna design and simulation

## کلمات کلیدی:

Helix antenna; Radiation impedance; Imaginary impedance; S-NEC

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/404328>

