

## عنوان مقاله:

UWB Printed Q Slot Monopole for Use in Body Centric Wireless Communication

## محل انتشار:

سومین کنفرانس بین المللی مهندسی برق (سال: 1397)

تعداد صفحات اصل مقاله: 5

## نویسنده:

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## خلاصه مقاله:

This paper suggests a miniaturized, simple structure, single feed, dual-polarized, UWB printed rectangular monopole antenna (PRMA) for body-centric wireless communications. The design is based on etching a Q-slot on a rectangular patch, and is optimized to develop the largest bandwidth in free space and close to the human body. We analyze the design of the proposed antenna and assess its performance in terms of bandwidth, and radiation patterns. Our results show that the Q-slot antenna maintains its bandwidth when placed in close contact with the human body, or in contact with breast-mimicking tissue phantoms.

## کلمات کلیدی:

Ultra Compact microstrip antenna, Ultra-wideband antenna, printed monopole, body-centric communications

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/831816>

