

عنوان مقاله:

Design and Fabrication of Plasma Array Antenna with Beam Forming

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نویسندگان:

.Fatemeh Sadat Mohseni Armaki - *Iran University of Science and Technology, Tehran, Iran*

.Seyyed Amirhossein Mohseni Armaki - *University of Tehran, Tehran, Iran*

خلاصه مقاله:

In this paper, the design and implementation of plasma antenna array with beam forming is discussed. The structure consists of a circular array of plasma tube enclosed in a unipolar UHF band monopole antenna. Beam forming is possible by stimulated plasma tubes. The combination of the above antenna with plasma excitation controller makes a beam forming smart antenna. An experimental model in UHF band is fabricated that shows a good agreement between the simulated and measured results

کلمات کلیدی:

Plasma array antenna, Smart antenna, Beam forming

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