

Abstracts

A Circularly Polarized FET Oscillator Active Radiating Element

J. Birkeland and T. Itoh. "A Circularly Polarized FET Oscillator Active Radiating Element." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1265-1268.

We present an FET oscillator which combines the power from three devices and directly generates circularly polarized radiation using a novel feedback arrangement. The radiated field exhibits a minimum axial ratio of 1.04. This oscillator is suitable for use in spatial power combining systems or as an active antenna when injection locked from an external source.

 [Return to main document.](#)