

Abstracts

Two-Port FET Oscillators with Applications to Active Arrays

J. Birkeland and T. Itoh. "Two-Port FET Oscillators with Applications to Active Arrays." 1991 Microwave and Guided Wave Letters 1.5 (May 1991 [MGWL]): 112-113.

Investigations of two-port FET oscillators and their use in active arrays for spatial power combining are reported. The oscillator consists of a single FET amplifier with a microstrip coupler providing feedback, thereby creating distinct input and output ports. This type of oscillator exhibits increased locking bandwidth over alternative approaches. Results are given for a five element linear array operating at 6 GHz.

 [Return to main document.](#)