

Abstracts

A Six-Element Beam-Scanning Array

P. Liao and R.A. York. "A Six-Element Beam-Scanning Array." 1994 Microwave and Guided Wave Letters 4.1 (Jan. 1994 [MGWL]): 20-22.

A six-element beam-scanning coupled MESFET oscillator array was designed and constructed. Resistively loaded transmission line networks were used to strongly couple each oscillator to its two nearest neighbors. Measured H-Plane radiation patterns indicate continuous scanning from -30 to +40 degrees (from broadside).

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