

Abstracts

An omnidirectional quasi-optical source

K.Y. Sung, D.M. Ah Yo, B. Elamaram, J.A. Mazotta, K.S. Ching and W.A. Shiroma. "An omnidirectional quasi-optical source." 1999 Transactions on Microwave Theory and Techniques 47.12 (Dec. 1999 [T-MTT] (Special Issue on 1999 International Microwave Symposium)): 2586-2590.

A 96-element active grid with omnidirectional transmission and reception capabilities is demonstrated in this paper. Experimental results are presented at C-band for radiation patterns, self-mixing characteristics, and injection locking to an external source. Graceful degradation in the omnidirectionality and power are also observed.

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