

Abstracts

Microwave Hall Effect in a TE/sub 11p/ Cylindrical Cavity (Short Papers)

A. Y. Al Zoubi. "Microwave Hall Effect in a TE/sub 11p/ Cylindrical Cavity (Short Papers)." 1991 *Transactions on Microwave Theory and Techniques* 39.11 (Nov. 1991 [T-MTT]): 1899-1901.

A microwave Hall effect signal produced by a TE/sub 11p/ degenerate cylindrical cavity is considered. The analysis presented identifies the cavity end walls as the source of the Hall signal, and a formula is derived relating the Hall output power to the dimensions of the cavity. Experimental results from the measurement of the empty cavity signal at 9.5 GHz are reported.

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