

Abstracts

Relative to Microwave Power Engineering (Correspondence)

E. Okress. "Relative to Microwave Power Engineering (Correspondence)." 1965 *Transactions on Microwave Theory and Techniques* 13.6 (Nov. 1965 [T-MTT]): 870-871.

Recent erroneous reporting of a facet of the proceedings of a microwave power engineering symposium has left the impression that microwave CW power transmission is limited, without qualification, by heating of the waveguide before the electric breakdown limit is reached.

Consequently, a partial purpose of this correspondence is to show that microwave CW power transmission via re-entrant waveguide need not be limited by heat dissipation in the waveguide nor by electric breakdown even beyond the equivalent CW power capacity of high voltage (i.e., 132 to 750 kV) classical (i.e., 60 c/s) transmission lines. On the contrary, the feasibility of microwave power transmission is dependent on resolving the following.

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