

Abstracts

A 20-Watt C-Band BPSK Modulated FET Transmitter for Microwave Landing System

S.R. Mazumder, T. Dao, T.L. Tsai and W.C. Tsai. "A 20-Watt C-Band BPSK Modulated FET Transmitter for Microwave Landing System." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 222-224.

A modularized 20 watt C-band BPSK modulated FET transmitter is developed for Microwave Landing System. The transmitter contains a x6 active multiplier using bipolar and FET, a BPSK modulator with proper amplitude shaping to achieve more than 30 dB suppression in off-channel emission and a FET power amplifier chain with a four-way power output stage.

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