

Abstracts

A Solidstate, 5 Watt, 6 GHz, Microwave Source For High Capacity FM Radio Relay

C.W.C. Anderson, H.U. Eichhorn and W.J. Cameron. "A Solidstate, 5 Watt, 6 GHz, Microwave Source For High Capacity FM Radio Relay." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 133-135.

The design and performance of a 5 Watt 6 GHz solid state source intended for use in a high capacity FM microwave-repeater is described. It utilizes a 2 GHz power amplifier and step recovery diode multiplier and generates 5 Watts with an overall efficiency of 8%. FM noise is less than 3.5 Hz RMS in a 1 KHz slot from 60 KHz to 10 MHz off carrier.

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