

Abstracts

One Watt W-Band Transmitter

A.N. Pergande and M. Marietta. "One Watt W-Band Transmitter." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. 1 [MWSYM]): 305-308.

A 94 GHz Transmitter, consisting of a 16 way combination of Ka-Band Mimic Amplifiers and step recovery diode triplers is described. Predicted output power is 1 watt over a 500 MHz bandwidth. It operates with a 0 to 100% duty cycle and provides phase response suitable for transmission of phase coded, frequency agile Radar wave forms.

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