

Abstracts

A High Power W-Band (90-99 GHz) Solid State Transmitter for High Duty Cycles and Wide Bandwidth

G.R. Thoren and M.J. Virostko. "A High Power W-Band (90-99 GHz) Solid State Transmitter for High Duty Cycles and Wide Bandwidth." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 60-62.

A high average power W-Band solid state transmitter using a 2-diode and a 4-diode IMPATT power combiner has achieved over 1.89 W and exceedingly versatile performance over a broad range of pulsewidths and duty cycles with a tunable bandwidth from 90 GHz to 99 GHz.

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