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." 1983 Transactions on Microwave Theory and Techniques 31.2 (Feb. 1983 [T-MTT] (Special Issue on Millimeter-Waves)): 183-188.

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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