

Abstracts

Low-cost millimeter-wave transmitter using software radio techniques

M. Chongcheawchamnan, K.S. Ang, D. Kpogla, S. Nam, S. Lucyszyn and L.D. Robertso. "Low-cost millimeter-wave transmitter using software radio techniques." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1949-1952.

A low-cost millimeter-wave transmitter architecture comprising a fixed-frequency Gunn oscillator feeding a vector modulator is presented. Multifunction signal processing in software is applied to a 60 GHz direct carrier modulation transmitter for the first time.

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