

Abstracts

High power modular S-band solid state transmitter family for ATC and naval radar applications

M. Cicolani. "High power modular S-band solid state transmitter family for ATC and naval radar applications." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1723-1726.

This paper describes the configuration and the performances of a family of solid state transmitters developed for civil, military and naval radar applications. The SST family is based on a total modular configuration which uses a 1.5 kW power amplifier as a building block of a series of transmitters with different RF output power levels (10 to 36 kW) at a duty of 10% and with a pulse width up to 150 /spl mu/sec.

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