

Abstracts

A 1.2 Kw L-Band Solid State Power Amplifier for Space-Borne Synthetic Aperture Radars

K.J. Lee. "A 1.2 Kw L-Band Solid State Power Amplifier for Space-Borne Synthetic Aperture Radars." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 166-169.

The design results of a 500 watt amplifier which is used in a 1.2 KW solid-state, L-Band space qualified transmitter are described. A discussion of key design techniques which ensure the high reliability of this amplifier is presented along with test data. The power combining and special techniques for utilization of three of these amplifiers in a 1.2 KW synthetic aperture space-borne Radar are also described.

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