

C/Ku-band pulsed transmitters for Poseidon 2 Altimeter

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Solid State Transmitters (Tx) have been used in radar applications for many years. The main advantages of the pulsed Tx are the following: (1) Low distortion of amplitude and phase during the pulse. (2) High reproducibility of identical pulses. (3) High quality of output spectrum: low harmonic content and reduced delay time. In this paper we present the design and the measured results of 30 W C-band Transmitter and 8 W Ku band Transmitter used for the Poseidon 2 Altimeter. (Jason satellite).

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