

Abstracts

A 400 kW Long Pulse X-Band Planetary Radar

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Selected critical microwave components for a very long pulse (several hours) X-band Radar system are discussed from a theoretical and practical viewpoint. Included are the special-sized waveguide and flanges, hybrid power combiner, couplers, switches, polarizer, rotary joints, feedhorn and radome. The system is installed on the NASA/JPL 64-m diameter reflector antenna at Goldstone, California.

[Return to main document.](#)