

Radio Design Group, Inc.
Application for New Experimental License

Government Contract Exhibit

The project this request for an Experimental License is associated with is a Phase II award of a Small Business Innovative Research (SBIR) grant for engineering proof of concept demonstration of the unique RDG MVSK (M-ary Variable Shift Keying) waveform for digital communications. The agency is the Space & Missile Defense Command and the contract is W9113M-04-C-0122. The contact is Lee Ray, SMDC-RDTC-TEA, 256-964 5892.

The test system covered under this license will be used to evaluate the effects of multipath propagation, interference, and intentional jamming on the MVSK waveform in a real-world environment. Transmissions will generally be conducted during normal business hours (0800 Pacific Time to 1700 Pacific Time), and all transmissions will be supervised by engineers or technicians.

Tests will include bit-error-rate measurement and error statistics data gathering, and will include fixed and moving operations in order to ensure a comprehensive evaluation of the waveform and hardware.

At the end of the contract, a proof-of-concept demonstration is planned, using conditions similar to the ongoing testing described above.

All transmissions will be preceded by a check of the spectrum to be occupied, and there will be a full-time "stop buzzer" number to call in case of interference. To utilize the "stop buzzer" please call Jim Hendershot 541-226-6101.