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Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

Application for Experimental Licensing

## Exhibit 1

### Technical Summary for Radar System 1 (Magnetron Based Radar System)

The radar system is modified Raytheon Pathfinder MK2 radar that transmits 25kW maximum peak power through an antenna of 37dBi gain and 2° beamwidth with 9.41GHz +/-30MHz operational frequency. Duty cycle is 0.1 percent. Antenna is mechanically steered 360° in azimuth and 30° in elevation. Photograph below shows this radar system mounted on the truck. (Application is for fixed base)

