



HARRIS CORPORATION

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Federal Communications Commission  
Office of Engineering and Technology  
Experimental Licensing Branch  
455 12<sup>th</sup> St., S.W.  
Room 7-A322  
Washington, DC 20554

**Subject:**  
**New Ku-band license for Air-to-Air Radar Subsystems (AARSS) Horn Antenna at Harris Plant, 7821 Orion Ave., Van Nuys, CA**

Dear FCC/OET:

We are requesting a new conventional experimental license regarding AARSS testing at our testing facility: 7821 Orion Avenue, Van Nuys, CA 91406. This AARSS is the same system that was the baselined for our current active license (Call Sign WG2XQR) except for alterations/corrections on power, emissions and antenna height that needed to be made for accuracy. Phase I testing that was recently completed helped to flush out some of these discrepancies. Due to these changes we are submitting a new license instead of renewing the existing one.

We are requesting a peak output power of 0.5 W, 10 W (ERP) with a 20 dBi antenna gain within a frequency range from 13.25 GHz – 13.4 GHz.

The location data for this frequency band is as follows:

Latitude: 34°, 12", 50" North    Longitude: 118°, 28", 18" West    Elevation: 789 ft. (Orion Avenue Test Facility)

We are fully aware that any testing needs to be coordinated with the FAA Western Area Frequency Coordinator prior to any radiating. Harris will honor all conditions that may be necessary to prevent interference with any existing equipment and are willing to schedule the hours of operation to take place during times of least air traffic in the vicinity. In conclusion, we are anxious to proceed with our testing and will standby to answer any questions you may have.

Sincerely,

Forrest Pierson  
Frequency Manager  
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