



HARRIS CORPORATION

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

Subject:

New Ku-band license for Air-to-Air Radar Subsystems (AARSS) Horn at Loop Cyn Test Range (Bear Divide Angeles Nat. Forest) North Sand Canyon Road, Santa Clarita, CA 91387

Dear FCC/OET:

We are requesting a new conventional experimental license regarding AARSS testing at our testing facility: Loop Canyon Test Range, North Sand Canyon Road, Santa Clarita, CA 91387. This AARSS is the same system that was the baselined for our current active license (Call Sign WG2XQS) 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°, 20', 53" North Longitude: 118°, 24', 32" West Elevation: 3800 ft. (Loop Canyon Test Range)

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. 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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