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Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320



TIMELY ACTION REQUIRED
LICENSE REQUIRED BY: April 25, 2000

Subject: Request for Special Temporary Authority (STA)

This request for an STA is submitted in accordance with the FCC Rules, Part 5.56.

1. **Name and address:**
US Sea Launch
P.O. Box 32889
Long Beach, CA 90832-2889
2. **Need for special action:** Sea Launch is required to obtain a license which permits Hughes Spacecraft to "free radiate" within our fully enclosed Payload Processing Facility, in Long Beach. The shielding effectiveness chart, from 1GHz-18GHz, for the Payload Processing Facility-Encapsulation Cell was provided in an application (File Number: 0203-EX-ST-1999) submitted for the Hughes-DirecTV spacecraft.
3. **Type of operations:** Hughes Spacecraft will transmit from spacecraft (Thuraya) antennas, demonstrating operation prior to encapsulation.
4. **Purpose of operation:** To test the satellite antenna system before encapsulation.
5. **Time and date:** The test will be conducted sometime during the period of April 25, 2000 through Oct. 22, 2000.
6. **Class of station:** MO
Nature of Service: XT
7. **Location:** The testing will be conducted inside our payload processing facility in Long Beach, CA.
8. **Equipment**

Manufacturer:	Model :	Number of units:
Hughes Spacecraft	Thuraya	1
9. **Frequency(ies) desired:** 3.612 / 3.614 GHz for telemetry
6.476 GHz for command
10. **Power Output to Antenna:** 4 Watts for the 3.612 / 3.614 GHz frequencies
4 Watts for the 6.476 GHz frequency

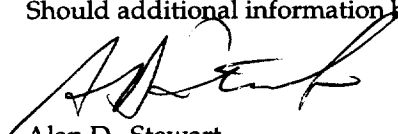
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11. **Emission:** 100KG9D for the 3.6 GHz frequencies
1M30F9D for the 6 GHz frequencies

12. **Antenna Height:** 1m & 6m
Antenna Type: Pipe and Bicone
Gain: 5dB
Beamwidth: +/- 20deg(fullbeam)
Polarization: V



Should additional information be required, please contact Bill Gjertson at (425) 393-2557.



Alan D. Stewart
Director of Launch Services, BCSC
Sea Launch Project

Enclosures: FCC Form 159