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

**TIMELY ACTION REQUIRED**  
**LICENSE REQUIRED BY: March 24, 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 demonstrate that the re-radiation system is fully operational before launch. The test of the re-rad link is essential because the spacecraft RF link is a launch commit criteria for Hughes at the launch site.

**3. Type of operations:** With the rocket erect and in port, at our Long Beach Facility, the re-radiation system located on the rocket will transmit to the Assembly and Command Ship(ACS), which will be 6.5km off shore.

**4. Purpose of operation:** To test the satellite(PAS-9) systems before departing for launch.

**5. Time and date:** The test will be conducted sometime during the period of March 24, 2000 through Sept. 21, 2000.

**6. Class of station:** MO  
**Nature of Service:** XT

**7. Location:** The testing will be conducted between the Launch Platform docked at our facility at Long Beach, CA and the Assembly and Command Ship(ACS) located approximately 6.5km from shore.

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**8. Equipment**

| <b>Manufacturer:</b> | <b>Model :</b> | <b>Number of units:</b> |
|----------------------|----------------|-------------------------|
| M/A COM              |                | 2                       |
| Malibu Research      |                | 1                       |

**9. Frequency(ies) desired:** 11.7005/11.702 GHz for telemetry  
14.4945 GHz for command

**10. Power Output to Antenna:** 117mW. (Launch Vehicle-ACS)  
100W(ACS-Launch Vehicle)

**11. Emission:** 128KG9D for the 11 GHz frequencies  
630KF9D for the 14GHz frequency

**12. Antenna Height:** 85m(Antenna height above water level on Launch Platform)

**Antenna Type:** Cavity backed Spiral

**Gain:** 4dB

**Beamwidth:** 40deg(fullbeam)

**Polarization:** Vertical

**12a. Antenna Height:** 42m(above water level)

**Antenna Type:** 2' Parabolic reflector

**Gain:** 36 dB

**Beamwidth:** 3deg (fullbeam)

**Polarization:** Linear

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

A handwritten signature in black ink, appearing to read 'A. Stewart'.

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

Enclosures: FCC Form 159