

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WF9XRY

(Call Sign)

XT MO

(Class of Station)

0359-EX-ST-2012

(File Number)

NAME Intelsat License LLC

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

Intelsat will examine the following performance objectives in connection with flight testing: (1) forward carrier (hub to terminal) throughput rate; (2) return carrier (terminal to hub) throughput

**Station Locations**

- (1) MOBILE: Continental United States (CONUS) and adjacent international waters
- (2) MOBILE: Continental United States, Alaska, Hawaii, U.S. territories and adjacent international waters

**Frequency Information**

MOBILE: Continental United States (CONUS) and adjacent international waters

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 14000-14500 MHz | MO            | 4M99G7D             | 12162 W (ERP)    |                           |

This authorization effective June 01, 2012 and  
will expire 3:00 A.M. EST December 01, 2012

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Continental United States, Alaska, Hawaii, U.S. territories and adjacent international waters

| Frequency        | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------------|---------------|---------------------|------------------|---------------------------|
| 14000-145000 MHz | MO            | 4M99G7W             | 15310 W (ERP)    |                           |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) POINT OF COMMUNICATION: G-19, G-25, IS-801, IS-14, IS-23, IS-19, T-11N, SES-4 and NSS-7 Satellites.
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization Under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) NASA requires coordination for aircraft-to-ground operation in the band 14-14.5 GHz within Radio Line of Sight (RLOS) of its earth stations at White Sands, NM; Blossom Point, MD; Edwards AFB, CA and Guam. Minimum coordination distance from these locations is 450 km. POC is NASA/GSFC SPECTRUM MANAGER, SCOTT GALBRAITH AT 301.286.5089, VINCENT.S.GALBRAITH@NASA.GOV
- (6) Licensee shall comply with the FCC CFR 47 Part 25.222 rules.
- (7) The designated points-of-contact to terminate transmissions if interference occurs are Mr. Christopher Hudson at (202) 352-1272, and ISOC - Intelsat Secure Operating Center at (404) 381-2727.