

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WD2XWM

(Call Sign)

0212-EX-RR-2007

(File Number)

NAME Inmarsat, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(d, f, g, j) of the Commission's Rules

Station Locations

(1) MOBILE: NATIONWIDE

Frequency Information

MOBILE: NATIONWIDE

| Frequency         | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|-------------------------------|------------------|---------------------------|
| 1627.1-1627.7 MHz | MO            | 200KD7W<br>50K0D7W<br>200KD7W | 79.4 W (ERP)     |                           |
| 1627.1-1627.7 MHz | MO            | 200KD7W<br>50K0G7W<br>200KD7W | 25.1 W (ERP)     |                           |
| 1627.1-1627.7 MHz | MO            | 200KG7W<br>25K0G7W            | 7.9 W (ERP)      |                           |

This authorization effective March 01, 2008 and  
will expire 3:00 A.M. EST September 01, 2008

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: NATIONWIDE

| Frequency         | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|-------------------------------|------------------|---------------------------|
| 1639.3-1639.5 MHz | MO            | 200KD7W<br>50K0D7W<br>200KD7W | 79.4 W (ERP)     |                           |
| 1639.3-1639.5 MHz | MO            | 200KD7W<br>50K0G7W<br>200KD7W | 25.1 W (ERP)     |                           |
| 1639.3-1639.5 MHz | MO            | 200KG7W<br>25K0G7W            | 7.9 W (ERP)      |                           |
| 1642.5-1642.7 MHz | MO            | 200KD7W<br>50K0D7W<br>200KD7W | 79.4 W (ERP)     |                           |
| 1642.5-1642.7 MHz | MO            | 200KD7W<br>50K0G7W<br>200KD7W | 25.1 W (ERP)     |                           |
| 1642.5-1642.7 MHz | MO            | 200KG7W<br>25K0G7W            | 7.9 W (ERP)      |                           |
| 1643.9-1644.3 MHz | MO            | 200KD7W<br>50K0D7W<br>200KD7W | 79.4 W (ERP)     |                           |

## Frequency Information

MOBILE: NATIONWIDE

| Frequency         | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|-------------------------------|------------------|---------------------------|
| 1643.9-1644.3 MHz | MO            | 200KD7W<br>50K0G7W<br>200KD7W | 25.1 W (ERP)     |                           |
| 1643.9-1644.3 MHz | MO            | 200KG7W<br>25K0G7W            | 7.9 W (ERP)      |                           |
| 1646.5-1647.7 MHz | MO            | 200KD7W<br>50K0D7W<br>200KD7W | 79.4 W (ERP)     |                           |
| 1646.5-1647.7 MHz | MO            | 200KD7W<br>50K0G7W<br>200KD7W | 25.1 W (ERP)     |                           |
| 1646.5-1647.7 MHz | MO            | 200KG7W<br>25K0G7W            | 7.9 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) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (4) POINT OF COMMUNICATION: INMARSAT 4F2 Satellite.
- (5) Inmarsat shall assure that adequate guard bands are provided between the band edges of its carriers and the band edges of MSV's operations in order to preclude the possibility of unacceptable interference to MSV's operations.

**Special Conditions:**

- (6) Neither the aggregate uplink EIRP densities in the direction of any other L-band satellite serving the United States, nor the downlink EIRP densities at any geographical point within the United States, shall be increased as a result of the addition of experimental BGAN operations on the Inmarsat 4F2 satellite over those densities previously authorized on the Inmarsat 3F4 satellite.
- (7) Operations are permitted on those frequencies previously used for authorized U.S. mobile earth terminal operations on the Inmarsat 3F4 satellite, except that operations are not permitted on certain frequencies, made available to Inmarsat by MSV USA and MSV Canada as part of the operator-to-operator coordination process, the use of which is currently an issue pending in the Commission's International Bureau.
- (8) Inmarsat, Inc. shall notify MSV prior to commencing operations and identify its point of contact.