

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

EXPERIMENTAL

(Nature of Service)

KM2XDY

(Call Sign)

XD      FX MO

(Class of Station)

0088-EX-RR-2012

(File Number)

NAME The Boeing Company

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(i) of the Commission's Rules

Station Locations

- (1) Long Beach (LOS ANGELES), CA - NL 33-49-43; WL 118-09-09; MOBILE: Long Beach (LOS ANGELES), CA, within 804.65 km, centered around NL 33-49-43; WL 118-09-09

Frequency Information

Long Beach (LOS ANGELES), CA - NL 33-49-43; WL 118-09-09; MOBILE: Long Beach (LOS ANGELES), CA, within 804.65

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1626.5-1660.5 MHz | FX            |                     | 950 W (ERP)      |                           |
|                   |               | 840HG1D             |                  |                           |
|                   |               | 1K68G1D             |                  |                           |
|                   |               | 3K36G1D             |                  |                           |
|                   |               | 4K80G1D             |                  |                           |
|                   |               | 6K00G1D             |                  |                           |
|                   |               | 10K0G1D             |                  |                           |
|                   |               | 21K0G1D             |                  |                           |
|                   |               | 21K0G1E             |                  |                           |
|                   |               | 21K0G1W             |                  |                           |

Special Conditions:

- (1) 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.

This authorization effective June 01, 2012 and  
will expire 3:00 A.M. EST June 01, 2014

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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, above the levels previously authorized in connection with operations using the Inmarsat 3F4 satellite, as a result of the operations authorized by this license.
- (5) 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 connection with BT Americas' request for regular authority.
- (6) Adequate guard bands shall be provided between the band edges of the carriers used by BT Americas and the band edges of MSV's operations in order to preclude the possibility of unacceptable interference to MSV's operations.
- (7) POINTS OF COMMUNICATION: INMARSAT 3F3, INMARSAT 3F4, INMARSAT 4F2 and INMARSAT 4F3 Satellites.