

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

EXPERIMENTAL

(Nature of Service)

XT      MO

(Class of Station)

WG2XLC

(Call Sign)

0072-EX-CR-2016

(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) MOBILE: Mobile ground operations, USA, US
- (2) MOBILE: Mobile ground operations, Waimea, HI, within 10 km, centered around NL 20-02-16; WL 155-49-50

Frequency Information

MOBILE: Mobile ground operations, USA, US

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 1626.5-1660 MHz | MO            | 200KD7W             | 532 W (ERP)      |                           |
|                 |               | 200KG7W             |                  |                           |
|                 |               | 100KD7W             |                  |                           |
|                 |               | 100KG7W             |                  |                           |
|                 |               | 50K0D7W             |                  |                           |
|                 |               | 50K0G7W             |                  |                           |
|                 |               | 40K0G1D             |                  |                           |
|                 |               | 40K0G1E             |                  |                           |
|                 |               | 25K0G7W             |                  |                           |
|                 |               | 21K0G1D             |                  |                           |
|                 |               | 10K0G1D             |                  |                           |
|                 |               | 7K20G1E             |                  |                           |
|                 |               | 6K80G1E             |                  |                           |

This authorization effective January 01, 2017 and  
will expire 3:00 A.M. EST January 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Mobile ground operations, USA, US

| Frequency       | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 1626.5-1660 MHz | MO            | 1K68G1D<br>840HG1D<br>400KG1W<br>200KG1W<br>100KG1W | 532 W (ERP)      |                           |

MOBILE: Mobile ground operations, Waimea, HI, within 10 km, centered around NL 20-02-16; WL 155-49-50

| Frequency       | Station Class | Emission Designator                                                                                                                                                                                | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 1626.5-1660 MHz | MO            | 200KD7W<br>200KG7W<br>100KD7W<br>100KG7W<br>50K0D7W<br>50K0G7W<br>40K0G1D<br>40K0G1E<br>25K0G7W<br>21K0G1D<br>10K0G1D<br>7K20G1E<br>6K80G1E<br>1K68G1D<br>840HG1D<br>400KG1W<br>200KG1W<br>100KG1W | 532 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.

**Special Conditions:**

- (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) The designated-point-of-contact to terminate the system if having interference occurs is Allen S. Lindsay, SR. at 866-248-1493.
- (4) POINT-OF-COMMUNICATION: INMARSAT, SKYTERRA-1