

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WJ2XOB

(Call Sign)

0487-EX-CN-2018

(File Number)

NAME Raytheon SAS

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(j) of the Commission's Rules

Station Locations

(1) MOBILE: Midlothian, TX, within 200 km, centered around NL 32-27-08; WL 96-54-35

Frequency Information

MOBILE: Midlothian, TX, within 200 km, centered around NL 32-27-08; WL 96-54-35

| Frequency | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 409 MHz   | FX            | 8K33A3E<br>12K5A1D<br>12K5F3E<br>12K5F1D<br>12K5G1D | 63 W (ERP)       |                           |
| 454.5 MHz | FX            | 8K33A3E<br>16K0A1D<br>25K0F3E<br>75K0F1D<br>1M20G1D | 63 W (ERP)       |                           |

This authorization effective July 16, 2018 and  
will expire 3:00 A.M. EST August 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Midlothian, TX, within 200 km, centered around NL 32-27-08; WL 96-54-35

| Frequency | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 455 MHz   | FX            | 8K33A3E<br>16K0A1D<br>25K0F3E<br>75K0F1D<br>1M20G1D | 63 W (ERP)       |                           |
| 457 MHz   | FX            | 8K33A3E<br>16K0A1D<br>25K0F3E<br>75K0F1D<br>1M20G1D | 63 W (ERP)       |                           |
| 459 MHz   | FX            | 8K33A3E<br>16K0A1D<br>25K0F3E<br>75K0F1D<br>1M20G1D | 63 W (ERP)       |                           |
| 480 MHz   | FX            | 8K33A3E<br>16K0A1D<br>25K0F3E<br>75K0F1D<br>1M20G1D | 63 W (ERP)       |                           |
| 500 MHz   | FX            | 16K0A1D<br>8K33A3E<br>25K0F3E<br>75K0F1D<br>1M20G1D | 63 W (ERP)       |                           |

## Frequency Information

MOBILE: Midlothian, TX, within 200 km, centered around NL 32-27-08; WL 96-54-35

| Frequency | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 510 MHz   | MO            | 8K33A3E<br>16K0A1D<br>25K0F3E<br>75K0F1D<br>1M20G1D | 63 W (ERP)       |                           |

## Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [http://freq.sbe.org/pdf\\_files/coordinators.pdf](http://freq.sbe.org/pdf_files/coordinators.pdf) to find the appropriate coordinator.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Operation is subject to consent of the following within 300 miles of the test area:
  - Paging Service licensees in 454 MHz/459 MHz,
  - General Aviation Air-Ground Service in 454 MHz/459 MHz.