

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WH2XJC

(Call Sign)

0330-EX-RR-2016

(File Number)

NAME FLIR Detection, 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(h) of the Commission's Rules

Station Locations

- (1) Oak Ridge (ANDERSON), TN - NL 36-00-10; WL 84-14-28
- (2) Oak Ridge (ANDERSON), TN - NL 36-00-08; WL 84-14-28

Frequency Information

Oak Ridge (ANDERSON), TN - NL 36-00-10; WL 84-14-28

| Frequency           | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------------|---------------|---------------------|------------------|---------------------------|
| 1563.42-1587.42 MHz | FX            | 20M4W7D             | 39.8 pW (ERP)    |                           |

Oak Ridge (ANDERSON), TN - NL 36-00-08; WL 84-14-28

| Frequency           | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------------|---------------|---------------------|------------------|---------------------------|
| 1563.42-1587.42 MHz | FX            | 20M4W7D             | 39.8 pW (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.

This authorization effective September 30, 2016 and  
will expire 3:00 A.M. EST September 05, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Martin Ohmes  
office: 865-220-8700 x230 or cell: 865-438-4905.
- (6) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (7) FLIR Detection, Inc. shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (8) The test equipment shall only be used indoors and shall be under the control of FLIR Detection, Inc.
- (9) No EIRP greater than -140 dBm/24 MHz at 100 feet is used.