

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WH9XJP

(Call Sign)

XT      FX

(Class of Station)

0227-EX-ST-2014

(File Number)

NAME Raytheon Intergrated Defense Systems

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

Testing and developing definitions of Vertical Scan Type, Vertical Scan Speed, and Vertical Scan Rate as applied to this antenna with software adapted electronic beam

**Station Locations**

(1) Redstone Arsenal (MADISON), AL - NL 34-39-09; WL 86-40-17

**Frequency Information**

Redstone Arsenal (MADISON), AL - NL 34-39-09; WL 86-40-17

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 9300-10000 MHz | FX            | 27M0Q3N             | 149.4 MW (ERP)   |                           |
|                |               | 21M8Q3N             |                  |                           |
|                |               | 6M36P0N             |                  |                           |

**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.

This authorization effective April 04, 2014 and  
will expire 3:00 A.M. EST October 05, 2014

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Special Conditions:

- (3) Raytheon must coordinate with the following individual prior to conducting developmental testing and evaluation of the radar:  
Willie D. Loper  
U.S. Army Redstone Test Center  
Redstone Arsenal, Alabama 35898-8052  
(256) 876-6456 (office) (DSN 746)  
(256) 684-7008 (cell)  
Willie.d.loper.civ@mail.mil
- (4) Upon completion of the initial DEMO no further DEMOs on Redstone will be allowed under this STA.