

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

EXPERIMENTAL

(Nature of Service)

WG9XHO

(Call Sign)

XT      FX

(Class of Station)

0155-EX-ST-2013

(File Number)

NAME Raytheon Network Centric 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:**

For research, develop and demonstrate a fixed surveillance radar system based on commercial-off-the-shelf Marine radar (Furuno) Ground Surveillance

**Station Locations**

(1) Las Cruces (DONA ANA), NM - NL 32-35-51; WL 106-56-37

**Frequency Information**

Las Cruces (DONA ANA), NM - NL 32-35-51; WL 106-56-37

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 9300-9500 MHz | FX            | 69M5P0N             | 25 kW (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.
- (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 March 08, 2013 and  
will expire 3:00 A.M. EST September 09, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Special Conditions:

- (3) Raytheon must schedule their operations with the DoD-AFC (WSMR). It is preferred that Raytheon provide a weekly radiation schedule to the DoD-AFC (WSMR) office, via e-mail to richard.j.wyman2.civ@mail.mil AND to wsmrdodafc@conus.army.mil, at least 72 hours prior to radiating.
- (4) The "Stop Buzzer", Mr. Mike Frizzell, 214-504-8683 (mobile), mike.frizzell@ratheon.com, must be active and available during all periods of radiation.
- (5) All radiation in the requested band MUST be directed in a generally westward direction defined by the arc from 180 degrees Reference True North (RTN), clockwise to 0 degrees RTN. This will mitigate risk to any systems operating at White Sands Missile Range (WSMR).
- (6) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization Under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.