

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

EXPERIMENTAL

(Nature of Service)

WF9XBX

(Call Sign)

XT FX MO

(Class of Station)

0961-EX-ST-2013

(File Number)

NAME Raytheon Integrated Defense System

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:

A mobile surveillance system based on commercial off-the-shelf radar.

Station Locations

- (1) New Mexico State uni (EDDY), NM - NL 32-36-13; WL 104-52-14; MOBILE: New Mexico State University (Eddy), NM, within 35 km, centered around NL 32-36-13; WL 104-52-14
- (2) Las Cruces (DONA ANA), NM - NL 32-35-51; WL 106-56-37

Frequency Information

New Mexico State uni (EDDY), NM - NL 32-36-13; WL 104-52-14; MOBILE: New Mexico State University (Eddy), NM, within 35 km, centered around NL 32-36-13; WL 104-52-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4900-4940 MHz	FX	20M0D1D	24.3 W (ERP)	

This authorization effective November 12, 2013 and
will expire 3:00 A.M. EST May 07, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4900-4940 MHz	FX	20M0D1D	24.3 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.
- (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 transmissions if interference occurs is Mr. John Adams at (803) 318-0021.
- (4) 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.
- (5) Operations at Hope, NM. Raytheon must coordinate operations with the WSMR DoD-AFC, at least 72 hours prior to operation, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil. User will provide dates/times of operation, frequency, output power, emission bandwidth, and Cease Emission POC(s).
- (6) Operations at Las Cruces, NM. Raytheon must coordinate operations with the WSMR DoD-AFC, at least 72 hours prior to operation, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil. User will provide dates/times of operation, frequency, output power, emission bandwidth, and Cease Emission POC(s). In addition, during the initial testing, radiation must be blanked between 45 and 135 degrees reference True North, in order to minimize interference risks to White Sands Missile Range (WSMR). If after a period of testing, no interference is noted at WSMR, from the Raytheon system, Raytheon may petition the WSMR DoD-AFC to revoke this limitation, and allow radiation throughout the full 360-degrees of azimuth.
- (7) Raytheon and the customer need to be aware that they will not be able to get a NTIA license to transmit.