John F. Adams, 2620 Flagstone Court, Shelby, NC 28152,

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

EXPERIMENTAL	WH2XFJ
(Nature of Service)	(Call Sign)
XD FX MO	0385-EX-PL-2014
(Class of Station)	(File Number)

NAME Raytheon Integrated Defense System

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

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

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)	

This authorization effective May 29, 2014 and
will expire 3:00 A.M. EST June 01, 2015

FEDERAL COMMUNICATIONS COMMISSION

Special Conditions:

(1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

(2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

(3) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Kent Selander at (972) 344-0402 and (214) 901-6701.

(4) 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).

(5) 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.

(6) Raytheon and the customer need to be aware that they will not be able to get a NTIA license to transmit.