

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

EXPERIMENTAL

(Nature of Service)

WF2XBX

(Call Sign)

XD FX MO

(Class of Station)

0041-EX-TC-2013

(File Number)

NAME Raytheon Space and Airborne Systems

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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Tucson (PIMA), AZ, within 40 km, centered around NL 32-07-36; WL 110-58-31
- (2) MOBILE: Fort Wayne (ALLEN), IN, within 40 km, centered around NL 41-07-18; WL 85-09-52
- (3) MOBILE: Fullerton (ORANGE), CA, within 40 km, centered around NL 33-52-15; WL 117-55-49
- (4) MOBILE: McKinney (COLLIN), TX, within 40 km, centered around NL 33-11-40; WL 96-39-56
- (5) MOBILE: ST, Petersburg (PINELLAS), FL, within 40 km, centered around NL 27-46-19; WL 82-38-26
- (6) MOBILE: Marlborough (MIDDLESEX), MA, within 40 km, centered around NL 42-20-59; WL 71-32-50
- (7) MOBILE: Santa Clarita (LOS ANGELES), CA, within 40 km, centered around NL 34-24-40; WL 118-30-23
- (8) Littleton (JEFFERSON), CO - NL 39-30-27; WL 105-05-52; MOBILE: Littleton, JEFFERSON, CO., within 30 km, centered around NL 39-30-27; WL 105-05-52

This authorization effective August 26, 2013 and
will expire 3:00 A.M. EST October 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Tucson (PIMA), AZ, within 40 km, centered around NL 32-07-36; WL 110-58-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	1M20F1D	5 W (ERP)	

MOBILE: Fort Wayne (ALLEN), IN, within 40 km, centered around NL 41-07-18; WL 85-09-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	1M20F1D	5 W (ERP)	

MOBILE: Fullerton (ORANGE), CA, within 40 km, centered around NL 33-52-15; WL 117-55-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	1M20F1D	5 W (ERP)	

MOBILE: McKinney (COLLIN), TX, within 40 km, centered around NL 33-11-40; WL 96-39-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	1M20F1D	5 W (ERP)	

Frequency Information

MOBILE: ST, Petersburg (PINELLAS), FL, within 40 km, centered around NL 27-46-19; WL 82-38-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	1M20F1D	5 W (ERP)	

MOBILE: Marlborough (MIDDLESEX), MA, within 40 km, centered around NL 42-20-59; WL 71-32-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	1M20F1D	5 W (ERP)	

MOBILE: Santa Clarita (LOS ANGELES), CA, within 40 km, centered around NL 34-24-40; WL 118-30-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	1M20F1D	5 W (ERP)	

Littleton (JEFFERSON), CO - NL 39-30-27; WL 105-05-52; MOBILE: Littleton, JEFFERSON, CO., within 30 km, centered aro

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	1M20F1D	5 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (4) The band 1750-1850 MHz is primary federal spectrum and any use of this band should support federal government contracts or foreign sales.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Mr. John Adams, cellular number: (714) 262-5019 or Office: (803) 318-0021.
- (6) Licensee should get consent from existing and future Advance Wireless Services licensees in the 1750-1755 MHz band.
- (7) Operation in the frequency band 1755 MHz-1850 MHz is subject to immediate adjustment, including cessation, if they results in harmful interference to the military assignments.