

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

EXPERIMENTAL

(Nature of Service)

WE2XGD

(Call Sign)

XD FX MO

(Class of Station)

0084-EX-ML-2008

(File Number)

NAME Raytheon Company

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) Atlanta, GA - NL 32-37-09; WL 83-35-42; MOBILE: This will be tested for energy companies deployment during a disaster, within 300 km
- (2) Casper, WY - NL 43-15-33; WL 107-51-42; MOBILE: Mobile communications for Public energy companies during a disaster, within 300 km, centered around NL 43-15-33; WL 107-51-42
- (3) Fullerton, CA - NL 33-52-21; WL 117-56-15; MOBILE: Mobile communications for Public energy companies during a disaster, within 300 km, centered around NL 33-52-21; WL 117-56-15
- (4) Richmond, VA - NL 37-32-04; WL 77-26-05; MOBILE: Mobile communications for Public energy companies during a disaster, within 300 km, centered around NL 37-32-04; WL 77-26-05

Frequency Information

Atlanta, GA - NL 32-37-09; WL 83-35-42; MOBILE: This will be tested for energy companies deployment during a disaster, within 300 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	5M00M9W	5 W (ERP)	

This authorization effective August 01, 2008 and
will expire 3:00 A.M. EST August 01, 2010

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Richmond, VA - NL 37-32-04; WL 77-26-05; MOBILE: Mobile communications for Public energy companies during a disaster

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	5M00M9W	5 W (ERP)	

Special Conditions:

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