

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

EXPERIMENTAL
(Nature of Service)

WG2XRP
(Call Sign)

XD FX MO
(Class of Station)

0356-EX-PL-2013
(File Number)

NAME RAYTHEON

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) STERLING (LOUDOUN), VA - NL 38-58-48; WL 77-29-02; MOBILE: , within 0.2 km
- (2) STERLING (LOUDOUN), VA - NL 38-58-48; WL 77-29-02; MOBILE: , within 0.2 km

Frequency Information

STERLING (LOUDOUN), VA - NL 38-58-48; WL 77-29-02; MOBILE: , within 0.2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
462.45 MHz	MO	8K00F1E	5 W (ERP)	
4.94-4.99 GHz	FX	10M0D7D	2 W (ERP)	
5.47-5.725 GHz	FX	15M0D7D	2 W (ERP)	
14-14.5 GHz	FX	400KG7D	20 W (ERP)	

This authorization effective July 01, 2013 and
will expire 3:00 A.M. EST July 01, 2015

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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	FX	400KG7D	20 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) POINT OF COMMUNICATION: GALAXY 18