

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WG2XHA

(Call Sign)

0306-EX-PL-2012

(File Number)

NAME Raytheon Missile 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, AZ, within 120 km, centered around NL 32-06-41; WL 110-57-19
- (2) MOBILE: Whetstone, AZ, within 120 km, centered around NL 31-43-30; WL 110-17-48

Frequency Information

MOBILE: Tucson, AZ, within 120 km, centered around NL 32-06-41; WL 110-57-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	MO	24M0G1D	0.016 pW (ERP)	
1575.42 MHz	MO	24M0G1D	0.016 pW (ERP)	

This authorization effective August 07, 2012 and
will expire 3:00 A.M. EST August 07, 2014

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Frequency Information

MOBILE: Whetstone, AZ, within 120 km, centered around NL 31-43-30; WL 110-17-48

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1575.42 MHz	MO	24M0G1D	0.016 pW (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. Thomas J. Fagan at 520-465-7087.
- (4) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (5) The test equipment shall only be used indoors and shall be under the control of the Raytheon Missile Systems.
- (6) The Raytheon Missile Systems shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (7) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (8) EIRP is no greater than -140 dbm/24 MHz at 100 feet.