

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WD2XKJ

(Call Sign)

0198-EX-RR-2007

(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(b) of the Commission's Rules

Station Locations

- (1) Tucson (PIMA), AZ - NL 32-06-24; WL 110-56-16
- (2) Tucson (PIMA), AZ - NL 32-06-33; WL 110-56-39
- (3) Tucson (PIMA), AZ - NL 32-05-31; WL 110-48-24
- (4) Tucson (PIMA), AZ - NL 32-08-18; WL 110-55-17

Frequency Information

Tucson (PIMA), AZ - NL 32-06-24; WL 110-56-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	0.000124 pW (ERP)	
1575.42 MHz	FX	24M0G1D	0.000075 pW (ERP)	

This authorization effective January 01, 2008 and
will expire 3:00 A.M. EST July 28, 2008

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Frequency Information

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Tucson (PIMA), AZ - NL 32-05-31; WL 110-48-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	0.000124 pW (ERP)	
1575.42 MHz	FX	24M0G1D	0.000075 pW (ERP)	

Tucson (PIMA), AZ - NL 32-08-18; WL 110-55-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	0.000124 pW (ERP)	
1575.42 MHz	FX	24M0G1D	0.000075 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Navy contract N00019-84-C-0569. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (4) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (5) The designated point-of-contacts to terminate transmissions if interference occurs are Mr. Thomas Fagan at (520) 465-7078 and Ms. Michele Brown at (520) 275-2055.
- (6) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (7) This frequency assignment on 1227.6 MHz was coordinated prior to authorization with the FAA Western Coordinator, Los Angeles, California.
- (8) The test equipment shall only be used indoors and shall be under the control of Raytheon.
- (9) Raytheon 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."