

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

EXPERIMENTAL

(Nature of Service)

XD      FX

(Class of Station)

WG2XKN

(Call Sign)

0272-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) Tucson (PIMA), AZ - NL 32-06-32; WL 110-57-19

Frequency Information

Tucson (PIMA), AZ - NL 32-06-32; WL 110-57-19

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 2-40 GHz  | FX            | 200KN0N             | 100 mW (ERP)     |                           |

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.

This authorization effective November 26, 2012 and  
will expire 3:00 A.M. EST September 01, 2017

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COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (6) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Thomas Fagan at (520) 465-7087.
- (8) Raytheon must maintain separation from the grandfathered satellite earth stations as defined in Part 90 Subpart Z and notify the registered stations in the 3650-3700 MHz band.
- (9) All testing will occur in a laboratory/anechoic chamber environment.
- (10) Use of this frequency band is subject to further coordination with the FAA Western Coordinator, Los Angeles, CA, as necessary to ensure compatibility with existing uses.
- (11) Use of this frequency band is subject to prior coordination with the FAA Western Pacific Regional Office, Honolulu ARTCC, P.O. BOX 50109, Honolulu, HAWAII 96850-4983, ATTN: FREQUENCY MANAGEMENT OFFICE: PH (808) 541-1241.
- (12) Use of this frequency band is subject to further coordination with the AFC, FT. HUACHUCA, ARIZONA, as necessary to ensure compatibility with the existing uses.