

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

EXPERIMENTAL

(Nature of Service)

WH2XLY

(Call Sign)

XD FX MO

(Class of Station)

0344-EX-PL-2014

(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(j) of the Commission's Rules

Station Locations

- (1) Albuquerque (BERNALILLO), NM - NL 35-03-27; WL 106-31-54
- (2) MOBILE: 0.15 km box around center transmission azimuth 180, within 0.36 km, centered around NL 35-03-33; WL 106-31-45

Frequency Information

Albuquerque (BERNALILLO), NM - NL 35-03-27; WL 106-31-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1000-10000 MHz	FX	200HN0N	2 mW (ERP)	
1435-1525 MHz	FX	33M6F1D 36M4G1D	20 mW (ERP)	
2200-2290 MHz	FX	33M6F1D 36M4G1D	20 mW (ERP)	
2378.2 MHz	FX	33M6F1D	20 mW (ERP)	

This authorization effective January 21, 2015 and
will expire 3:00 A.M. EST January 01, 2017

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2378.2 MHz	FX	36M4G1D	20 mW (ERP)	
4440-4940 MHz	FX	33M6F1D 36M4G1D	20 mW (ERP)	
5091-5150 MHz	FX	33M6F1D 36M4G1D	20 mW (ERP)	
5925-6700 MHz	FX	33M6F1D 36M4G1D	20 mW (ERP)	

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Special Conditions:

- (1) Operation on frequency assignments in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Western Area Frequency Coordinator (WAFC), Point Mugu, CA, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the WAFC as necessary to ensure compatibility with existing uses.
- (2) Subject to coordination with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U. S. Territory within a 150 mile radius of WSMR plus the area of Utah and Colorado that lies South of 41 degrees North and between 108 degrees and 111 degrees West. Phone: 505-678-5417 or 3702.
- (3) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Southwest Coordinator, Ft. Worth, TX. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Southwest Coordinator, Ft. Worth, TX, as necessary to ensure compatibility with existing uses.
- (4) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (5) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.

Special Conditions:

- (6) Subject to prior coordination with FAA Western Regional Office, P.O. Box 92007, Worldway Center, Los Angeles, California 90009, Attn: Frequency Management Office. Phone 310-297-1872.
- (7) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (8) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (9) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (10) 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.
- (11) Licensee must be made aware that the bands, 1695-1710 MHz, 1755 MHz-1780 MHz and 2155-2180 MHz, are in the AWS 3 band to be licensed in the Commission's current auction proceedings. This license authorization can potentially be impacted as a result of the proceedings and licensee is advised to use another band for long term operation.
- (12) Stop buzzer is Mr. Tom Fagan at (520) 794-0227 or (520) 465-7087.
- (13) Operation requires consent of affected Satellite Digital Audio Radio Service (SDARS) licensees.