

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

EXPERIMENTAL

(Nature of Service)

WA2XPJ

(Call Sign)

XD FX

(Class of Station)

0405-EX-RR-2012

(File Number)

NAME Furuno U.S.A., Inc.

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(d, g) of the Commission's Rules

Station Locations

- (1) Camas, WA - NL 45-35-56; WL 122-27-14
- (2) Denton (CAROLINE), MD - NL 38-52-10; WL 75-48-58

Frequency Information

Camas, WA - NL 45-35-56; WL 122-27-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1646.5 MHz	FX	20K0G1W	33 W (ERP)	
1626.5-1646.5 MHz	FX	5K00G1W	40 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Denton (CAROLINE), MD - NL 38-52-10; WL 75-48-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1646.5 MHz	FX	20K0G1W	33 W (ERP)	
1626.5-1646.5 MHz	FX	5K00G1W	40 W (ERP)	

Special Conditions:

- (1) POINT OF COMMUNICATION: INMARSAT Satellite
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) Neither the aggregate uplink EIRP densities in the direction of any other L-band satellite serving the United States, nor the downlink EIRP densities at any geographical point within the United States, shall be increased, above the levels previously authorized in connection with operations using the Inmarsat 3F4 satellite, as a result of the operations authorized by this license.
- (5) Operations are permitted on those frequencies previously used for authorized U.S. mobile earth terminal operations on the Inmarsat 3F4 satellite, except that operations are not permitted on certain frequencies, made available to Inmarsat by MSV USA and MSV Canada as part of the operator-to-operator coordination process, the use of which is currently an issue pending in connection with BT Americas' request for regular authority.
- (6) Adequate guard bands shall be provided between the band edges of the carriers used by BT Americas and the band edges of MSV's operations in order to preclude the possibility of unacceptable interference to MSV's operations.