

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF2XSI

(Call Sign)

0452-EX-PL-2010

(File Number)

NAME Appareo Systems, LLC

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) Fargo (CASS), ND - NL 46-52-38; WL 96-47-22
- (2) Northfield, NJ - NL 39-22-23; WL 74-33-19
- (3) Lexington Park, MD - NL 38-15-51; WL 76-24-48
- (4) Fargo (CASS), ND - NL 46-54-11; WL 96-48-35

Frequency Information

Fargo (CASS), ND - NL 46-52-38; WL 96-47-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
978 MHz	FX	2M00F2D	18 W (ERP)	5 %

Northfield, NJ - NL 39-22-23; WL 74-33-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
978 MHz	FX	2M00F2D	18 W (ERP)	5 %

This authorization effective May 26, 2011 and
will expire 3:00 A.M. EST April 30, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lexington Park, MD - NL 38-15-51; WL 76-24-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
978 MHz	FX	2M00F2D	18 W (ERP)	5 %

Fargo (CASS), ND - NL 46-54-11; WL 96-48-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
978 MHz	FX	2M00F2D	18 W (ERP)	5 %

Special Conditions:

- (1) Purpose of test is to develop UAT avionics equipment to comply with the 2020 ADS-B mandate.
- (2) Radio will not be installed in any aircraft.
- (3) Testing is limited to fixed sites at the locations specified. Ground testing only.
- (4) Transmissions are limited to using the UAT test message feature.
- (5) Transmissions are to be kept to the absolute minimum and a dummy load should be used as much as possible.