

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WD2XZC

(Call Sign)

0184-EX-RR-2011

(File Number)

NAME 4-D Security Solutions, 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(b) of the Commission's Rules

Station Locations

- (1) South Plainfield (MIDDLESEX), NJ - NL 40-32-59; WL 74-25-16
- (2) South Plainfield (MIDDLESEX), NJ - NL 40-32-58; WL 74-25-16
- (3) South Plainfield (MIDDLESEX), NJ - NL 40-32-55; WL 74-25-21

Frequency Information

South Plainfield (MIDDLESEX), NJ - NL 40-32-59; WL 74-25-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.4-5.7 GHz	FX	62M0F0N	2 W (ERP)	
8.75-8.95 GHz	FX	15M0P0N 15M0Q3N	3333 W (ERP)	
10.2-10.55 GHz	FX	80M0P0N	10 W (ERP)	

This authorization effective August 01, 2011 and
will expire 3:00 A.M. EST August 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

South Plainfield (MIDDLESEX), NJ - NL 40-32-58; WL 74-25-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.75-8.95 GHz	FX	15M0P0N 15M0Q3N	3333 W (ERP)	
10.3-10.5 GHz	FX	80M0P0N	7 W (ERP)	

South Plainfield (MIDDLESEX), NJ - NL 40-32-55; WL 74-25-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.35-5.5 GHz	FX	62M0F0N	2 W (ERP)	
10.3-10.5 GHz	FX	90M0P0N	2 W (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) 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.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Department of Homeland Security contract number MFA-134.308. 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) NTIA would like to advise 4-D Security Systems that the frequency band 5600-5650 MHz is used for meteorological purposes and needs to be able to notch out transmissions. If this system is developed for operational use then capabilities need to be designed in to the system to protect TDWR operations. FAA wants the licensee to blank transmissions between 78 degrees and 93 degrees referenced to true north for this frequency band. FAA has operations in the area that could get interference.

Special Conditions:

- (5) Operation is only authorized to add the frequency band 10.3 - 10.5 GHz with ERP 2 Watts at geographic coordinates 40-32-55 N latitude and 74-25-21 W longitude in the experiment.
- (6) Pulsed emission is NOT allowed in the frequency band 10.2-10.55 GHz.