

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WF9XJD

(Call Sign)

XD FX

(Class of Station)

0766-EX-ST-2011

(File Number)

NAME Philip J. Williams

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Conduct experiments with spread spectrum and research effectiveness under weak signal conditions. Compare against other digital modes such as JT65A, Olivia, MT63 and PSK31.

Station Locations

(1) EULESS (TARRANT), TX - NL 32-52-10; WL 97-05-21

Frequency Information

EULESS (TARRANT), TX - NL 32-52-10; WL 97-05-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1800-2000 kHz	FX	2K50J2D	100 W (ERP)	
3500-3600 kHz	FX	2K50J2D	100 W (ERP)	
7000-7125 kHz	FX	2K50J2D	100 W (ERP)	

This authorization effective February 01, 2012 and will expire 3:00 A.M. EST July 31, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

EULESS (TARRANT), TX - NL 32-52-10; WL 97-05-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10100-10145 kHz	FX	2K50J2D	100 W (ERP)	
14000-14150 kHz	FX	2K50J2D	100 W (ERP)	
18068-18110 kHz	FX	2K50J2D	100 W (ERP)	
21000-21200 kHz	FX	2K50J2D	100 W (ERP)	
24890-24930 kHz	FX	2K50J2D	100 W (ERP)	
28000-28300 kHz	FX	2K50J2D	100 W (ERP)	
50100-54000 kHz	FX	2K50J2D	100 W (ERP)	
144100-148000 kHz	FX	2K50J2D	100 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.