

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WE2XES

(Call Sign)

0187-EX-RR-2013

(File Number)

NAME TeleCommunication Systems, 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(i) of the Commission's Rules

Station Locations

(1) Campbell (HUNT), TX - NL 33-06-28; WL 95-53-57

Frequency Information

Campbell (HUNT), TX - NL 33-06-28; WL 95-53-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.4-4.2 GHz	FX	N0N	355 W (ERP)	
5.85-6.65 GHz	FX	N0N	355 W (ERP)	
7.25-7.75 GHz	FX	N0N	355 W (ERP)	
7.9-8.4 GHz	FX	N0N	355 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

Campbell (HUNT), TX - NL 33-06-28; WL 95-53-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.7-12.75 GHz	FX	N0N	355 W (ERP)	
13.75-14.5 GHz	FX	N0N	355 W (ERP)	
17.7-21.2 GHz	FX	N0N	355 W (ERP)	
27.5-31 GHz	FX	N0N	355 W (ERP)	
43.5-45.5 GHz	FX	N0N	355 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation in the frequency bands 5.925-6.875 GHz, 10.7-11.7 GHz, 12.2-12.75 GHz, 17.7-18.3 GHz, 19.3-19.7 GHz and 27.5-29.5 GHz is subject to prior coordination with affected existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (5) Licensee must be aware of potential interference to Part 101 and Part 25 licensees in the 3700-4200 MHz and 5925-6425 MHz bands. Licensee is subject to immediate shut down in the event of harmful interference.