

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WI2XTZ

(Call Sign)

0089-EX-CN-2017

(File Number)

NAME Vertex Communications Corporation

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(e) of the Commission's Rules

Station Locations

(1) Kilgore (GREGG), TX - NL 32-24-24; WL 94-51-17

Frequency Information

Kilgore (GREGG), TX - NL 32-24-24; WL 94-51-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4500-4800 MHz	FX	NON	209 kW (ERP)	
7900-8400 MHz	FX	NON	427 kW (ERP)	
14000-14800 MHz	FX	NON	1.87 MW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.

This authorization effective July 13, 2017 and
will expire 3:00 A.M. EST July 01, 2019

**FEDERAL
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COMMISSION**



Special Conditions:

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation is NOT PERMITTED using the following frequency bands 3400-4200 MHz, 5850-7707.5 MHz, 10700-13250 MHz, and 17300-21200 MHz.
- (5) The experimental transmitting antenna main beam gain must point 90 degrees up from the horizon towards the center of the "Fly Swatter" reflector and the reflector elevation angle must only operate between -1.8 to -15 degrees' elevation angles below the horizon.
- (6) The "Fly Swatter" reflector must point 82 degrees in azimuth.
- (7) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (8) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (9) No automatic renewal for this authorization.
- (10) Stop buzzer, Test Range operator, Contact# 1-903-9984-6015.