

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WJ2XGD

(Call Sign)

0902-EX-CN-2017

(File Number)

NAME M-WAVE NETWORKS 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(j) of the Commission's Rules

Station Locations

(1) Aurora (KANE), IL - NL 41-48-29; WL 88-17-16

Frequency Information

Aurora (KANE), IL - NL 41-48-29; WL 88-17-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.04-9.4 MHz	FX	3K00D7D 8K30D7D 4K00D7D 13K5D7D	4.7 kW (ERP)	0.00005 %
10.15-11.175 MHz	FX	3K00D7D 4K00D7D 8K30D7D 13K5D7D	4.7 kW (ERP)	0.00005 %
11.4-11.6 MHz	FX	3K00D7D 4K00D7D	4.7 kW (ERP)	0.00005 %

This authorization effective January 30, 2018 and
will expire 3:00 A.M. EST February 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Aurora (KANE), IL - NL 41-48-29; WL 88-17-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11.4-11.6 MHz	FX	8K30D7D 13K5D7D	4.7 kW (ERP)	0.00005 %
14-14.99 MHz	FX	3K00D7D 4K00D7D 8K30D7D 13K5D7D	4.7 kW (ERP)	0.00005 %
15.8-16.36 MHz	FX	3K00D7D 4K00D7D 8K30D7D 13K5D7D	4.7 kW (ERP)	0.00005 %
18.168-18.78 MHz	FX	3K00D7D 4K00D7D 8K30D7D 13K5D7D	4.7 kW (ERP)	0.00005 %
19.02-19.68 MHz	FX	3K00D7D 4K00D7D 8K30D7D 13K5D7D	4.7 kW (ERP)	0.00005 %
20.01-21 MHz	FX	3K00D7D 4K00D7D 8K30D7D 13K5D7D	4.7 kW (ERP)	0.00005 %

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