

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

EXPERIMENTAL

(Nature of Service)

WF2XUE

(Call Sign)

XT FX MO

(Class of Station)

0226-EX-PL-2011

(File Number)

NAME Powerwave Technologies, 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) Santa Ana (ORANGE), CA - NL 33-43-20; WL 117-50-35
- (2) MOBILE: The campus and streets within 1 mk of the building., within 1 km, centered around NL 33-43-25; WL 117-50-34
- (3) Santa Ana (ORANGE), CA - NL 33-43-25; WL 117-50-37
- (4) Santa Ana (ORANGE), CA - NL 33-43-29; WL 117-50-36
- (5) Santa Ana (ORANGE), CA - NL 33-43-24; WL 117-50-32

Frequency Information

Santa Ana (ORANGE), CA - NL 33-43-20; WL 117-50-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2120 MHz	FX	10M0F9W	20 W (ERP)	0.001 %
2120-2130 MHz	FX	10M0F9W	20 W (ERP)	0.001 %
2130-2135 MHz	FX	5M00F9W	20 W (ERP)	0.001 %

This authorization effective June 14, 2011 and
will expire 3:00 A.M. EST December 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Santa Ana (ORANGE), CA - NL 33-43-20; WL 117-50-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2135-2140 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2140-2145 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2145-2155 MHz	FX	10M0F9W	20 W (ERP)	0.001 %

MOBILE: The campus and streets within 1 mk of the building., within 1 km, centered around NL 33-43-25; WL 117-50-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1720 MHz	MO	10M0F9W	250 mW (ERP)	0.001 %
1720-1730 MHz	MO	10M0F9W	250 mW (ERP)	0.001 %
1730-1735 MHz	MO	5M00F9W	250 mW (ERP)	0.001 %
1735-1740 MHz	MO	5M00F9W	250 mW (ERP)	0.001 %
1740-1745 MHz	MO	5M00F9W	250 mW (ERP)	0.001 %
1745-1755 MHz	MO	10M0F9W	250 mW (ERP)	0.001 %

Frequency Information

Santa Ana (ORANGE), CA - NL 33-43-25; WL 117-50-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2120 MHz	FX	10M0F9W	20 W (ERP)	0.001 %
2120-2130 MHz	FX	10M0F9W	20 W (ERP)	0.001 %
2130-2135 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2135-2140 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2140-2145 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2145-2155 MHz	FX	10M0F9W	20 W (ERP)	0.001 %

Santa Ana (ORANGE), CA - NL 33-43-29; WL 117-50-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2120 MHz	FX	10M0F9W	20 W (ERP)	0.001 %
2120-2130 MHz	FX	10M0F9W	20 W (ERP)	0.001 %
2130-2135 MHz	FX	5M00F9W	20 W (ERP)	0.001 %

Frequency Information

Santa Ana (ORANGE), CA - NL 33-43-29; WL 117-50-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2135-2140 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2140-2145 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2145-2155 MHz	FX	10M0F9W	20 W (ERP)	0.001 %

Santa Ana (ORANGE), CA - NL 33-43-24; WL 117-50-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2120 MHz	FX	10M0F9W	20 W (ERP)	0.001 %
2120-2130 MHz	FX	10M0F9W	20 W (ERP)	0.001 %
2130-2135 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2135-2140 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2140-2145 MHz	FX	5M00F9W	20 W (ERP)	0.001 %
2145-2155 MHz	FX	10M0F9W	20 W (ERP)	0.001 %

Special Conditions:

- (1) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference in accordance with FCC rules 101.103(d).