

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

EXPERIMENTAL

(Nature of Service)

WN9XHO

(Call Sign)

XT FX MO

(Class of Station)

1537-EX-ST-2018

(File Number)

NAME Etherdyne Technologies, Inc.

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:

The purpose of the STA grant is to study distance, efficiency and power for wireless energy transfer and to demonstrate the technology.

Station Locations

- (1) Santa Clara (SANTA CLARA), CA - NL 37-24-33; WL 121-58-53
- (2) MOBILE: Santa Clara, CA, within 0.12 km, centered around NL 37-24-33; WL 121-58-53
- (3) MOBILE: Santa Clara, CA, within 0.12 km, centered around NL 37-24-33; WL 121-58-53
- (4) MOBILE: Santa Clara, CA, within 0.12 km, centered around NL 37-24-33; WL 121-58-53

Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-24-33; WL 121-58-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.78 MHz	FX	15K0N0N 15K0N0N	100 W (Output Power)	100 %

This authorization effective October 09, 2018 and
will expire 3:00 A.M. EST March 19, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



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6.78 MHz	MO	15K0N0N		100 %

MOBILE: Santa Clara, CA, within 0.12 km, centered around NL 37-24-33; WL 121-58-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2402-2480 MHz	MO	1M09G1D	11.13 mW (Output Power)	0.001 %
2405-2480 MHz	MO	2M96G1D	7.29 W (Output Power)	0.001 %
2412-2462 MHz	MO	36M5W7W	1658 mW (Output Power)	0.001 %

Special Conditions:

- (1) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (2) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (4) 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.
- (5) Applicant is subject to coordinate with the affected Fixed Microwave Service licensees in accordance with 47 CFR. Part 101.103(d) prior to operation in 2402-2480 MHz, 2405-2480 MHz, and 2412-2462 MHz bands.