

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

EXPERIMENTAL

(Nature of Service)

WJ2XBF

(Call Sign)

XT FX MO

(Class of Station)

0428-EX-CN-2017

(File Number)

NAME SkySafe, 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(c, h & j) of the Commission's Rules

Station Locations

- (1) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (2) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: , within 5 km, centered around NL 32-39-43; WL 115-54-52
- (3) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: , within 5 km, centered around NL 32-39-43; WL 115-54-52
- (4) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (5) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (6) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (7) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (8) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (9) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (10) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (11) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (12) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52
- (13) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: within 5 km, centered around NL 32-39-43; WL 115-54-52

This authorization effective October 27, 2017 and
will expire 3:00 A.M. EST November 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

(14) Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency Information

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.05-434.79 MHz	MO	100KF1B	2.4 W (ERP)	20 %
433.92 MHz	MO	1M74F1B	2.4 W (ERP)	20 %
902-928 MHz	MO	100KF1B	2.4 W (ERP)	20 %
915 MHz	MO	26M0F1B	2.4 W (ERP)	20 %
2.4-2.5 GHz	MO	100KF1B	2.4 W (ERP)	20 %
2.45 GHz	MO	100MF1B	2.4 W (ERP)	20 %
5.725-5.875 GHz	MO	100KF1B	2.4 W (ERP)	20 %
5.8 GHz	MO	150MF1B	2.4 W (ERP)	20 %

Frequency Information

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: , within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.05-434.79 MHz	FX	100KF1B 1M74F1B	2.4 W (ERP)	20 %
902-928 MHz	FX	100KF1B 26M0F1B	2.4 W (ERP)	20 %
2.4-2.5 GHz	FX	100KF1B 100MF1B	2.4 W (ERP)	20 %
5.725-5.875 GHz	FX	100KF1B 150MF1B	2.4 W (ERP)	20 %

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: , within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.05-434.79 MHz	FX	100KF1B 1M74F1B	2.4 W (ERP)	20 %
902-928 MHz	FX	100KF1B 26M0F1B	2.4 W (ERP)	20 %
2.4-2.5 GHz	FX	100KF1B 100MF1B	2.4 W (ERP)	20 %

Frequency Information

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE: , within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.725-5.875 GHz	FX	100KF1B 150MF1B	2.4 W (ERP)	20 %

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.05-434.79 MHz	MO	100KF1B 1M74F1B	2.4 W (ERP)	20 %
902-928 MHz	MO	100KF1B 26M0F1B	2.4 W (ERP)	20 %
2.4-2.5 GHz	MO	100KF1B 100MF1B	2.4 W (ERP)	20 %
5.725-5.875 GHz	MO	100KF1B 150MF1B	2.4 W (ERP)	20 %

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.05-434.79 MHz	MO	100KF1B 1M74F1B	2.4 W (ERP)	20 %

Frequency Information

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	100KF1B 26M0F1B	2.4 W (ERP)	20 %
2.4-2.5 GHz	MO	100KF1B 100MF1B	2.4 W (ERP)	20 %
5.725-5.875 GHz	MO	100KF1B 150MF1B	2.4 W (ERP)	20 %

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.05-434.79 MHz	MO	100KF1B 1M74F1B	2.4 W (ERP)	20 %
902-928 MHz	MO	100KF1B 26M0F1B	2.4 W (ERP)	20 %
2.4-2.5 GHz	MO	100KF1B 100MF1B	2.4 W (ERP)	20 %
5.725-5.875 GHz	MO	100KF1B 150MF1B	2.4 W (ERP)	20 %

Frequency Information

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.05-434.79 MHz	MO	100KF1B 1M74F1B	2.4 W (ERP)	20 %
902-928 MHz	MO	100KF1B 26M0F1B	2.4 W (ERP)	20 %
2.4-2.5 GHz	MO	100KF1B 100MF1B	2.4 W (ERP)	20 %
5.725-5.875 GHz	MO	100KF1B 150MF1B	2.4 W (ERP)	20 %

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.05-434.79 MHz	MO	100KF1B 1M74F1B	2.4 W (ERP)	20 %
902-928 MHz	MO	100KF1B 26M0F1B	2.4 W (ERP)	20 %
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Frequency Information

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.725-5.875 GHz	MO	100KF1B 150MF1B	2.4 W (ERP)	20 %

Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

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Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

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Ocotillo (IMPERIAL), CA - NL 32-39-43; WL 115-54-52; MOBILE:within 5 km, centered around NL 32-39-43; WL 115-54-52

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5.725-5.875 GHz	MO	100KF1B 150MF1B	2.4 W (ERP)	20 %

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (3) 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.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.

Special Conditions:

- (5) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (6) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Army contract no. W15QKN-17-9-1008. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (8) The equipment in this experiment may not be marketed or sold to any non-federal entities.
- (9) Licensee must notify Location & Monitoring Service licensees (902-928 MHz) within 80 km of the test area.