

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WI2XTF

(Call Sign)

0114-EX-CN-2017

(File Number)

NAME SkyWerx Industries

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(k) of the Commission's Rules

Station Locations

- (1) Pagosa Springs (ARCHULETA), CO - NL 37-11-48; WL 107-07-01
- (2) Bayfield (LA PLATA), CO - NL 37-14-22; WL 107-37-01
- (3) Durango (LA PLATA), CO - NL 37-17-54; WL 107-52-35
- (4) Bayfield (LA PLATA), CO - NL 37-19-10; WL 107-35-19
- (5) Bayfield (LA PLATA), CO - NL 37-21-32; WL 107-33-12
- (6) Pagosa Springs (ARCHULETA), CO - NL 37-13-49; WL 107-04-25
- (7) Ignacio (LA PLATA), CO - NL 37-06-05; WL 107-38-09
- (8) Hesperus (LA PLATA), CO - NL 37-18-05; WL 108-01-43
- (9) Durango (LA PLATA), CO - NL 37-16-21; WL 107-52-48
- (10) Durango (LA PLATA), CO - NL 37-16-21; WL 107-52-48
- (11) Pagosa Springs (ARCHULETA), CO - NL 37-15-41; WL 107-00-11
- (12) Pagosa Springs (ARCHULETA), CO - NL 37-18-34; WL 107-07-07
- (13) Pagosa Springs (ARCHULETA), CO - NL 37-18-34; WL 107-07-07
- (14) Durango (LA PLATA), CO - NL 37-21-47; WL 107-47-41
- (15) Durango (LA PLATA), CO - NL 37-15-45; WL 107-54-13
- (16) Durango (LA PLATA), CO - NL 37-15-47; WL 107-54-13

This authorization effective April 28, 2017 and
will expire 3:00 A.M. EST May 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Pagosa Springs (ARCHULETA), CO - NL 37-11-48; WL 107-07-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Bayfield (LA PLATA), CO - NL 37-14-22; WL 107-37-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Durango (LA PLATA), CO - NL 37-17-54; WL 107-52-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Bayfield (LA PLATA), CO - NL 37-19-10; WL 107-35-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Frequency Information

Bayfield (LA PLATA), CO - NL 37-21-32; WL 107-33-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Pagosa Springs (ARCHULETA), CO - NL 37-13-49; WL 107-04-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Ignacio (LA PLATA), CO - NL 37-06-05; WL 107-38-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Hesperus (LA PLATA), CO - NL 37-18-05; WL 108-01-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Frequency Information

Durango (LA PLATA), CO - NL 37-16-21; WL 107-52-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Durango (LA PLATA), CO - NL 37-16-21; WL 107-52-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Pagosa Springs (ARCHULETA), CO - NL 37-15-41; WL 107-00-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Pagosa Springs (ARCHULETA), CO - NL 37-18-34; WL 107-07-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Frequency Information

Pagosa Springs (ARCHULETA), CO - NL 37-18-34; WL 107-07-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Durango (LA PLATA), CO - NL 37-21-47; WL 107-47-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Durango (LA PLATA), CO - NL 37-15-45; WL 107-54-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Durango (LA PLATA), CO - NL 37-15-47; WL 107-54-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3650 MHz	FX	10M0W7D	23.084 W (ERP)	7.7E-6 %

Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.

Special Conditions:

- (3) 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."
- (4) Licensee be aware that FSS earth stations are licensed on these frequencies and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (5) Prior to operation, experimental licensee, must notify licensees of FSS earth stations operating the 3700-4200 MHz within 20 kilometer radius of the locations from which experimental operations will occur. Experimental licensee, must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station in the band 3700-4200 MHz band.
- (6) Ensure that the transmitting base station antenna(s) tip down when possible and avoid pointing towards the horizon in order to protect satellite earth stations nearby.
- (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) Operations are limited to frequencies below 3700 MHz.