

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

EXPERIMENTAL

(Nature of Service)

WK9XJX

(Call Sign)

XT FX

(Class of Station)

1394-EX-ST-2016

(File Number)

NAME Bluespan Wireless LLC

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 operation is to test and evaluate better technology allowing Bluespan to better serve population areas that have limited or poor options for connectivity.

Station Locations

(1) Tucson (PIMA), AZ - NL 32-13-14; WL 110-53-53

Frequency Information

Tucson (PIMA), AZ - NL 32-13-14; WL 110-53-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	150MM9W	33 W (ERP)	5 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.

This authorization effective December 01, 2016 and
will expire 3:00 A.M. EST May 02, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify the registered users in the area.
- (5) Licensee must consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify the registered users in the proposed area.
- (6) Ensure that the transmitting base station antenna(s) tip down when possible and avoid point towards the horizon in order to protect satellite earth stations nearby.
- (7) Prior to the start of operations in the 3650 -3700 MHz band, the company must notify Comsearch by e-mail. This notice must include the name and contact information of the stop buzzer personnel. It must also include the testing parameters, day and times of each testing.
Contact: Comsearch
Email: customersupport@comsearch.com
- (8) Prior to the start of operations in the 3650 -3700 MHz band, the company must notify all the earth stations in band and adjacent band (3700-4200 MHz) within 15 km of their operations by e-mail. This notice must include the name and contact information of the stop buzzer personnel in order to notify the test equipment operator(s) to shut down in case of interference. The notification should also include the testing parameters and the day and times of each test. Consult MyIBFS database to identify all existing registered earth stations in band (3650-3700 MHz) and adjacent band (3700-4200 MHz).
- (9) Prior to operation in the 3650-3700 MHz frequency band, experimental licensee must maintain a separation distance of 150 km from the grandfathered earth stations as defined in Part 90 subpart Z. If operations are within 150 km from the grandfathered earth stations then experimental licensee must notify potentially-affected grandfathered earth stations licensee(s) and obtain a mutual agreement. The coordinates of these stations are available at <http://www.fcc.gov/ib/sd/3650/grandftr.pdf>.