

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

EXPERIMENTAL

(Nature of Service)

WK9XVN

(Call Sign)

XT FX

(Class of Station)

1130-EX-ST-2017

(File Number)

NAME Red Rover Ltd

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:

Testing the capabilities of CBRS in support of an Education Broadband Wireless Network.

Station Locations

(1) Parlier (FRESNO), CA - NL 36-36-56; WL 119-31-41

Frequency Information

Parlier (FRESNO), CA - NL 36-36-56; WL 119-31-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D2D	2.5 W (ERP)	5.0E-6 %
3650-3670 MHz	FX	20M0D2D	2.5 W (ERP)	5.0E-6 %

Special Conditions:

- (1) 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.

This authorization effective September 01, 2017 and
will expire 3:00 A.M. EST March 02, 2018

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Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees.
- (4) Ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic area.
- (5) Prior to the start of operations in the 3550 -3700 MHz band, Red Rover, Ltd., must notify by email all the earth stations within 15 km of CBRS small cell transmitters. This notice must include the name and contact information of the stop buzzer personnel 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 (3550-3700 MHz) and adjacent band (3700-4200 MHz).
- (6) Red Rover, Ltd is reminded that grant fathered earth stations are protected in within a separation distance of 150 km. The coordinates of these stations are available at: <http://www.fcc.gov/ib/sd/3650/grandftr.pdf>
- (7) 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.
- (8) Stop buzzer contact is Steve Rovarino, Red Rover, Ltd at (480) 921-8945 and email: steve@redroverltd.com
- (9) All of the experimental devices will be under the control of Red Rover, Ltd. and they will be retrieved by Red Rover, Ltd. from the participants upon completion of the operation.
- (10) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.