

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

EXPERIMENTAL

(Nature of Service)

WI9XFE

(Call Sign)

XT FX MO

(Class of Station)

0020-EX-ST-2015

(File Number)

NAME First RF Corporation

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:

FirstRF will test its antenna technology from a facility in Boulder, Colorado.

Station Locations

- (1) MOBILE: Blouder, CO, within 1 km, centered around NL 40-02-00; WL 105-13-44
- (2) Boulder (BOULDER), CO - NL 40-02-00; WL 105-13-44; MOBILE: Blouder, CO, within 1.6 km, centered around NL 40-02-00; WL 105-13-44

Frequency Information

MOBILE: Blouder, CO, within 1 km, centered around NL 40-02-00; WL 105-13-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-31 GHz	MO		9664 W (ERP)	
		18M6D7W		
		14M0G7W		
		9M33G7W		
		4M66G7W		

This authorization effective January 26, 2015 and
will expire 3:00 A.M. EST July 27, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Boulder (BOULDER), CO - NL 40-02-00; WL 105-13-44; MOBILE: Blouder, CO, within 1.6 km, centered around NL 40-02-00;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.6-28.4 GHz	MO	20M0G7D	11.22 kW (ERP)	
28.6-29.1 GHz	MO	20M0G7D	11.22 kW (ERP)	

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) Operations in the 28.35-29.1 GHz frequency band, the antenna main beam and side lobe radiation must not interfere with the GSO satellite operations.
- (4) Operation is subject to prior coordination with the existing and future Fixed Microwave Service licensees in accordance with CFR, Part 101.103(d).