

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WP9XBC

(Call Sign)

1388-EX-ST-2019

(File Number)

NAME FIRST RF Corp.

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:

Investigate potential causes of reported performance deficiencies.

Station Locations

- (1) Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27
- (2) Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27
- (3) Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27
- (4) Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27
- (5) Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27
- (6) Louisville (BOULDER), CO - NL 39-58-02; WL 105-11-21
- (7) Longmont (BOULDER), CO - NL 39-58-02; WL 105-11-21
- (8) Louisville (BOULDER), CO - NL 39-58-02; WL 105-11-21
- (9) Louisville (BOULDER), CO - NL 39-58-02; WL 105-11-21
- (10) Louisville (BOULDER), CO - NL 39-58-02; WL 105-11-21

Frequency Information

Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.437 GHz	FX	56M5G1D	38.018 W (ERP)	1.0E-6 %

This authorization effective September 01, 2019 and
will expire 3:00 A.M. EST January 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.437 GHz	FX	29M1G1D	38.018 W (ERP)	1.0E-6 %

Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.67 GHz	FX	56M5G1D 29M1G1D	45.71 W (ERP)	1.0E-6 %

Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.55 GHz	FX	56M5G1D 29M1G1D	22.39 W (ERP)	1.0E-6 %

Longmont (BOULDER), CO - NL 40-07-12; WL 105-14-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.6 GHz	FX	56M5G1D 29M1G1D	209 W (ERP)	1.0E-6 %
15.25 GHz	FX	56M5G1D 29M1G1D	199.53 W (ERP)	1.0E-6 %

Frequency Information

Longmont (BOULDER), CO - NL 39-58-02; WL 105-11-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.437 GHz	FX	56M5G1D 29M1G1D	38.018 W (ERP)	1.0E-6 %

Louisville (BOULDER), CO - NL 39-58-02; WL 105-11-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.55 GHz	FX	56M5G1D 29M1G1D	22.39 W (ERP)	1.0E-6 %

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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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) FIRST RF Corp must notch out the following frequency 1.78 GHz due to possible interference to Federal operations.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Navy, FA8750-17-F-0134. 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.
- (5) Operation is subject to coordinate with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave Service licensees prior to operation on 2.437 GHz.