

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

EXPERIMENTAL

(Nature of Service)

WR9XGW

(Call Sign)

XT MO

(Class of Station)

1101-EX-ST-2021

(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:**

To test capabilities of radio emitting devices.

**Station Locations**

(1) MOBILE: Boulder, CO, within 125 km, centered around NL 40-04-05; WL 105-12-35

**Frequency Information**

MOBILE: Boulder, CO, within 125 km, centered around NL 40-04-05; WL 105-12-35

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1700-1850 MHz | MO            | 20M0D7W             | 63 W (ERP)       | 10 %                      |
| 2400-2500 MHz | MO            | 20M0D7W             | 63 W (ERP)       | 10 %                      |

**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 July 19, 2021 and  
will expire 3:00 A.M. EST January 16, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## 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) Stop buzzer: Lars Grimsrud at 303-449-5211.
- (4) Prior to commencing any operations in the 2483.5-2500 MHz frequency band, experimental licensee must notify licensee of GUSA Licensee LLC. (Call sign E970381, S2115. Name: Mr. L. Barbee Ponder IV Phone Number: 985-335-1503 E-Mail: Barbee.Ponder@Globalstar.com). 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 height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (5) The applicant must obtain consents from the Advanced Wireless Service licensees in the proposed area prior to accessing to the frequencies from 1700 MHz to 1780 MHz.
- (6) The applicant must obtain consents from the Broadband Radio Service licensees prior to accessing to the frequencies from 2496 MHz to 2500 MHz
- (7) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in the frequency range from 2450 MHz to 2500 MHz.
- (8) The applicant must coordinate with Fixed Microwave Service licensees in the proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to operation in the frequency range from 2450 MHz to 2500 MHz.
- (9) Operation is not permitted using the frequency bands: 1795-1805 MHz and 1835-1845 MHz. FIRST RF Corporation be aware of federal ITU registrations in the 1801.760-1805.760 MHz and 1809.768-1813.768 MHz bands.
- (10) Future STA requests to operate this experiment will not be considered. The applicant is required to file for a regular experimental application in accordance with FCC CFR 47 Part 5.61 (c).