

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

EXPERIMENTAL

(Nature of Service)

WS9XJF

(Call Sign)

XT      FX MO

(Class of Station)

0952-EX-ST-2021

(File Number)

NAME Cellco Partnership

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:**

Verizon Wireless is working with 5G base station and mobile device equipment vendors to conduct product testing of 3.5 GHz in outdoor locations listed below.

**Station Locations**

- (1) Philip (JACKSON), SD - NL 43-51-48; WL 101-53-55; MOBILE: within 15 km of base station, within 15 km, centered around NL 43-51-48; WL 101-53-55

**Frequency Information**

Philip (JACKSON), SD - NL 43-51-48; WL 101-53-55; MOBILE: within 15 km of base station, within 15 km, centered around N

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3550-3700 MHz | FX            | 40M0W7D             | 122 W (ERP)      | 0.0004 %                  |
| 3550-3700 MHz | FX            | 50M0W7D             | 152 W (ERP)      | 0.0004 %                  |
| 3550-3700 MHz | FX            | 60M0W7D             | 183 W (ERP)      | 0.0004 %                  |

This authorization effective July 12, 2021 and  
will expire 3:00 A.M. EST December 30, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Philip (JACKSON), SD - NL 43-51-48; WL 101-53-55; MOBILE: within 15 km of base station, within 15 km, centered around N

| Frequency     | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------|------------------|---------------------------|
| 3550-3700 MHz | FX            | 80M0W7D                       | 195 W (ERP)      | 0.0004 %                  |
| 3550-3700 MHz | FX            | 20M0W7D                       | 61 W (ERP)       | 0.0004 %                  |
| 3550-3700 MHz | FX            | 100MW7D                       | 195 W (ERP)      | 0.0004 %                  |
| 3550-3700 MHz | MO            | 20M0W7D<br>40M0W7D<br>50M0W7D | 0.3 W (ERP)      | 0.0004 %                  |

## 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) Licensee shall be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (3) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) Cellco Partnership must coordinate its operations in the 3550-3700 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.
- (5) Licensee shall be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.

**Special Conditions:**

- (7) The applicant must coordinate its operations in the 3550-3700 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.