

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

EXPERIMENTAL

(Nature of Service)

WP9XJC

(Call Sign)

XT MO

(Class of Station)

1823-EX-ST-2019

(File Number)

NAME Qualcomm Technologies Inc.

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:**

The testing will use a single transmitter to generate a 100 MHz test signal use to evaluate signal propagation characteristics for short periods of time.&nbsp;Please see experimental description

**Station Locations**

(1) MOBILE: New Brunswick, NJ, within 1 km, centered around NL 40-29-33; WL 74-26-38

**Frequency Information**

MOBILE: New Brunswick, NJ, within 1 km, centered around NL 40-29-33; WL 74-26-38

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 28400-30000 MHz | MO            | 100MWXN             | 10 W (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.

This authorization effective October 04, 2019 and  
will expire 3:00 A.M. EST November 30, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Special Conditions:

- (3) Licensee must avoid pointing the transmitting antenna main beam gain within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 28.4-30 GHz frequency band.
- (4) Licensee shall ensure that the transmitting fixed station antenna(s) main beam gain tip down when possible and avoid pointing above the horizon to protect satellite stations.
- (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (6) The licensee shall coordinate with the affected Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 28400-29500 MHz band.