

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

EXPERIMENTAL

(Nature of Service)

WL9XMK

(Call Sign)

XT FX MO

(Class of Station)

0847-EX-ST-2017

(File Number)

NAME Ericsson

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:

We are seeking to conduct 5G trials with our customer, US Cellular. Although we are requesting authorization to operate for 2 months, the actual trials will last approximately 4 weeks. We have

Station Locations

- (1) Madison (DANE), WI - NL 43-08-30; WL 89-17-01; MOBILE: 2 km around Tower at this address, within 2 km, centered around NL 43-08-30; WL 89-17-01

Frequency Information

Madison (DANE), WI - NL 43-08-30; WL 89-17-01; MOBILE: 2 km around Tower at this address, within 2 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28350 MHz	FX	800MW9W	398.11 W (ERP)	

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 17, 2017 and
will expire 3:00 A.M. EST September 18, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) Prior to the start of operations or testing, Ericsson must contact the Air Force Spectrum Management Office and provide a stop buzzer point of contact to the following personnel:

Jennifer Corzo

Email: jennifer.corzo.2@us.af.mil

Phone: 301-225-3719

Jason Chabot

Email: jason.chabot@us.af.mil

Phone: 301-225-3713

Arthur Hamilton

Email: arthur.hamilton.1@us.af.mil

Phone: 301-225-3693

- (3) Licensee shall prior coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) 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 27.5-28.5 GHz band.
- (6) 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.
- (7) No automatic renewal for operations in the 27.5-28.35 GHz band.
- (8) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.