

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

EXPERIMENTAL

(Nature of Service)

WL9XDY

(Call Sign)

XT MO

(Class of Station)

0492-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:

The trial will seek to understand the characteristics of the millimeter Wave operating bands, channel bandwidths, and the U/L ratios for residential and commercial deployments.

Station Locations

- (1) MOBILE: within designated radius, within 1 km, centered around NL 40-44-39; WL 73-39-56

Frequency Information

MOBILE: within designated radius, within 1 km, centered around NL 40-44-39; WL 73-39-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.5 GHz	MO	800MW9W	630.957 W (ERP)	

Special Conditions:

- (1) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (2) Licensee must avoid pointing the main beam gain transmitting antenna within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-28.5 GHz band.

This authorization effective July 01, 2017 and
will expire 3:00 A.M. EST January 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Licensee shall ensure that the transmitting fixed station antenna(s) tip down when possible and avoid pointing above the horizon to protect satellite stations.
 - (4) No automatic renewal for operations in the 27.5-28.35 GHz band.
 - (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
 - (6) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
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- (7) Licensee shall coordinate with the incumbent fixed microwave in the 27.5-28.5 GHz band in each corresponding proposed venue prior to conducting the testing.