

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI2XUX

(Call Sign)

0029-EX-CN-2017

(File Number)

NAME Ericsson

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) MOBILE: in designated radius around center coordinates, within 9.66 km, centered around NL 39-55-46; WL 75-01-40
- (2) MOBILE: in designated radius around center coordinates, within 9.66 km, centered around NL 40-06-41; WL 75-20-22
- (3) MOBILE: in designated radius around center coordinates, within 9.66 km, centered around NL 39-58-12; WL 75-09-24
- (4) MOBILE: in designated radius around center coordinates, within 9.66 km, centered around NL 39-58-19; WL 74-18-10
- (5) MOBILE: within warehouse and in parking lot, within 0.5 km, centered around NL 39-49-53; WL 75-12-12

Frequency Information

MOBILE: in designated radius around center coordinates, within 9.66 km, centered around NL 39-55-46; WL 75-01-40

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.5 GHz | MO            | 800MW9W             | 125.89 W (ERP)   |                           |

This authorization effective April 17, 2017 and  
will expire 3:00 A.M. EST May 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.5 GHz | MO            | 800MW9W             | 125.89 W (ERP)   |                           |

MOBILE: in designated radius around center coordinates, within 9.66 km, centered around NL 39-58-19; WL 74-18-10

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.5 MHz | MO            | 800MW9W             | 125.89 W (ERP)   |                           |

MOBILE: within warehouse and in parking lot, within 0.5 km, centered around NL 39-49-53; WL 75-12-12

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.5 MHz | MO            | 800MW9W             | 10 W (ERP)       |                           |

## Special Conditions:

- (1) Ericsson shall coordinate with any Fixed Microwave Service licensees in each proposed area in accordance with 47 CFR, Part 101.103(d) prior to commencing the experiments.
- (2) Licensee must avoid pointing the transmitting antenna within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-28.5 GHz band.

**Special Conditions:**

- (3) Licensee shall ensure that the transmitting base fixed station antenna(s) tip down and avoid pointing above the horizon in order to protect satellite stations in the geostationary orbital arc.
- (4) Experimental station shall use the minimum power level necessary to close the communications link to minimize potential interference.
- (5) Any renewals are subject to additional review for interference to any new satellite operations in the band. There will be no automatic renewal for this authorization.