

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

EXPERIMENTAL

(Nature of Service)

WL2XGY

(Call Sign)

XT      FX MO

(Class of Station)

0821-EX-CN-2020

(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) Santa Clara (SANTA CLARA), CA - NL 37-23-01; WL 121-58-33; MOBILE: , within 0.06 km, centered around NL 37-23-01; WL 121-58-33

Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-23-01; WL 121-58-33; MOBILE: , within 0.06 km, centered around NL 37-23-01; W

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 617-652 MHz   | FX            | 5M00W9W             | 100 mW (ERP)     |                           |
| 869-894 MHz   | FX            | 5M00W9              | 100 mW (ERP)     |                           |
| 1930-1990 MHz | FX            | 5M00W9W             | 100 mW (ERP)     |                           |
| 2110-2200 MHz | FX            | 5M00W9W             | 1 W (ERP)        |                           |

This authorization effective October 30, 2020 and  
will expire 3:00 A.M. EST November 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-23-01; WL 121-58-33; MOBILE: , within 0.06 km, centered around NL 37-23-01; W

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 2496-2690 MHz   | FX            | 100MW9W             | 1 W (ERP)        |                           |
| 3300-3800 MHz   | FX            | 100MW9W             | 1 W (ERP)        |                           |
| 27500-28350 MHz | FX            | 400MW9W             | 1 W (ERP)        |                           |
| 37000-40000 MHz | FX            | 400MW9W             | 1 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Ericsson shall coordinate with the affected Fixed Microwave Service licensees prior to operation in 3700-3800 MHz and 37000-40000 MHz bands.
- (4) Ericsson shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 617-652 MHz band to protect the Broadcast Auxiliary Service operations.
- (5) Ericsson must coordinate its operations in 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.
- (6) Prior to commencing any operations in the frequencies below, Ericsson must obtain consent from the following within 50 miles of the contours of the testing area:  
Cellular licensees (824-849 MHz/869-894 MHz)  
Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (7) Ericsson shall coordinate with the incumbent Fixed Microwave licensee(s) to avoid interference in the 2110-2200 MHz band in each corresponding proposed venue prior to conducting the testing.
- (8) Stop Buzzer: Matthew Hussey at 202-824-0114, matthew.hussey@ericsson.com

**Special Conditions:**

- (9) Prior to commencing any operations in the 2180-2190 MHz frequency bands, Ericsson must notify the earth station licensees the test dates and provide a stop buzzer in case of interference.
- (10) Prior to commencing any operations in the 2190-2200 MHz MHz frequency bands, Ericsson must notify the earth station licensees the test dates and provide a stop buzzer in case of interference.
- (11) Prior to commencing any operations in the 3400-3800 MHz frequency bands, Ericsson must notify the earth station licensees the test dates and provide a stop buzzer in case of interference.
- (12) For operations in the 2483.5-2500 MHz band, Ericsson must obtain a written consent from Licensees or remove the band(s).
- (13) For operations in the 3700-3800 MHz band, Ericsson must obtain a written consent from Licensees or remove the band(s).
- (14) All operations in 37000-40000 MHz bands are subject to RES 243 OOB limits of WRC-19.