

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WH2XUM

(Call Sign)

0181-EX-CR-2019

(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

Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-23-01; WL 121-58-33

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 729-746 MHz   | FX            | 15M0W9W             | 100 mW (ERP)     |                           |
| 869-894 MHz   | FX            | 20M0W9W             | 100 mW (ERP)     |                           |
| 1805-1880 MHz | FX            | 20M0W9W             | 100 mW (ERP)     |                           |
| 1930-1990 MHz | FX            | 20M0W9W<br>5M00W9W  | 100 mW (ERP)     |                           |

This authorization effective June 01, 2019 and  
will expire 3:00 A.M. EST June 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-23-01; WL 121-58-33

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2110-2170 MHz | FX            | 20M0W9W<br>5M00W9W  | 100 mW (ERP)     |                           |
| 2620-2690 MHz | FX            | 20M0W9W             | 100 mW (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) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
  - > 700 MHz Lower Band "A" block licensees (698-704 MHz/728-734 MHz)
  - > 700 MHz Lower Band "B" block licensees (704-710 MHz/734-740 MHz)
  - > 700 MHz Lower Band "C" block licensees (710-716 MHz/740-746 MHz)
  - > Cellular licensees (824-849 MHz/869-894 MHz)
  - > Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (4) Ericsson must:
  - > Secure consents from the Advance Wireless Service licensees prior to operation in 2110-2170 MHz band.
  - > Obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to operation in 2620-2690 MHz band.