

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

EXPERIMENTAL

(Nature of Service)

WK2XWZ

(Call Sign)

XT FX MO

(Class of Station)

0265-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) Mountain View (SANTA CLARA), CA - NL 37-25-02; WL 122-04-31; MOBILE: , within 0.1 km, centered around NL 37-25-02; WL 122-04-31

Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-25-02; WL 122-04-31; MOBILE: , within 0.1 km, centered around NL 37-25-02; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617-652 MHz	FX	20M0W9W	2 W (ERP)	
663-698 MHz	MO	20M0W9W	200 mW (ERP)	
1710-1785 MHz	MO	20M0W9W	200 mW (ERP)	
1710-1780 MHz	MO	20M0W9W	200 mW (ERP)	

This authorization effective May 01, 2020 and
will expire 3:00 A.M. EST May 01, 2021

**FEDERAL
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COMMISSION**



Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-25-02; WL 122-04-31; MOBILE: , within 0.1 km, centered around NL 37-25-02; v

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1805-1880 MHz	FX	20M0W9W	2 W (ERP)	
1850-1910 MHz	MO	20M0W9W	200 mW (ERP)	
1920-1980 MHz	MO	20M0W9W	200 mW (ERP)	198 %
1930-1990 MHz	FX	20M0W9W	2 W (ERP)	
2110-2170 MHz	FX	20M0W9W	2 W (ERP)	
2110-2200 MHz	FX	20M0W9W	2 W (ERP)	
3550.02 MHz	FX	20M0W9W 100MW9W	2 W (ERP)	
3550.02 MHz	MO	100MW9W	200 mW (ERP)	280 %
27500-28350 MHz	FX	400MWXD	20 W (ERP)	
27500-28350 MHz	MO	400MWXD	200 mW (ERP)	

Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-25-02; WL 122-04-31; MOBILE: , within 0.1 km, centered around NL 37-25-02; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37000-40000 MHz	FX	800MWXD	20 W (ERP)	
37000-40000 MHz	MO	800MWXD	200 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: Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (4) Ericsson shall secure consents from the Advance Wireless Service licensees prior to accessing to 1710-1780 MHz, 1710-1785 MHz, 2110-2170 MHz and 2110-2200 MHz bands.
- (5) Ericsson shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 617-652 MHz and 663-698 MHz bands.
- (6) Ericsson shall coordinate with the affected Fixed Microwave Service licensees prior to operation in 27000-28350 MHz and 37000-40000 MHz bands.
- (7) Ericsson must avoid pointing the main beam transmitting antenna within 10 degrees of any point on the geostationary orbit arc in the 27.5-28.35 GHz and 37-40 GHz bands
- (8) Ericsson should be aware that other stations are licensed on 27.5-28.35 GHz and 37-40 GHz bands and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (9) Ericsson 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.
- (10) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (11) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to navy assignments.