

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

EXPERIMENTAL

(Nature of Service)

WL2XYO

(Call Sign)

XT FX MO

(Class of Station)

0596-EX-CN-2021

(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)	
1710-1780 MHz	MO	20M0W9W	200 mW (ERP)	
1850-1910 MHz	MO	20M0W9W	200 mW (ERP)	

This authorization effective July 13, 2021 and
will expire 3:00 A.M. EST July 01, 2023

**FEDERAL
COMMUNICATIONS
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 (+/-)
1920-1980 MHz	MO	20M0W9W	200 mW (ERP)	
1930-1990 MHz	FX	20M0W9W	2 W (ERP)	
2110-2170 MHz	FX	20M0W9W	2 W (ERP)	
2110-2200 MHz	FX	20M0W9W	2 W (ERP)	
2496-2690 MHz	FX	100MW9W	2 W (ERP)	
2496-2690 MHz	MO	100MW9W	200 mW (ERP)	
3300-3600 MHz	FX	100MW9W	2 W (ERP)	
3300-3600 MHz	MO	100MW9W	200 mW (ERP)	
3700-3980 MHz	FX	100MW9W	2 W (ERP)	
3700-3980 MHz	MO	100MW9W	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 (+/-)
27500-28350 MHz	FX	400MW7D	20 W (ERP)	
27500-28350 MHz	MO	400MW7D	200 mW (ERP)	
37000-40000 MHz	FX	800MW7D	20 W (ERP)	
37000-40000 MHz	MO	800MW7D	200 mW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) The stop buzzer: Charles Lu at +1 (514) 295-1238, charles.lu@ericsson.com
- (4) Ericsson shall secure consents from the Advanced Wireless Service licensees in the proposed area prior to accessing to the frequency range from 1710 MHz to 1780 MHz, from 2110 MHz to 2170 MHz and from 2110 MHz to 2200 MHz.
- (5) Ericsson shall obtain consents from the Educational Broadband Service and Broadband Radio Service licensees prior to accessing to the frequency range from 2496 MHz to 2690 MHz.
- (6) Ericsson shall secure consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to 617-652 MHz, 663-698 MHz, 27500-28350 MHz, and 37000-40000 MHz bands.
- (7) Ericsson shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 617-652 MHz, 663-698 MHz bands.
- (8) Ericsson shall coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 27500-28350 MHz, and 37000-40000 MHz bands.
- (9) Prior to commencing any operations in the 1850-1910 MHz and 1930-1990 MHz bands, the applicant must obtain consent from Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz) within 50 miles of the contours of the testing area.

Special Conditions:

- (10) With respect to operations in the 3700-3980 MHz band, the applicant should be made aware that they must avoid causing interference to the existing Fixed Service operators and FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link: <https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>
- (11) Prior to commencing any operations in the 2180-2190 MHz frequency band, experimental licensee must notify licensee of GAMMA ACQUISITION L.L.C. (Call sign E060430, POC/Satellite: S2633, Name: Ms. Allison Minea, Phone Number: 202-293-1216, E-Mail: alison.minea@dish.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (12) Prior to commencing any operations in the 2190-2200 MHz frequency band, experimental licensee must notify licensee of DBSD Services Limited. (Call sign E070272, POC/Satellite: S2651, Name: Ms. Allison Minea, Phone Number: 202-293-1216, E-Mail: alison.minea@dish.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (13) For the frequency band 37000-40000 MHz, Ericsson must comply with the ITU Resolution 243 OOB.