

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

EXPERIMENTAL

(Nature of Service)

WL2XYQ

(Call Sign)

XT FX MO

(Class of Station)

0597-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) Lewisville (DENTON), TX - NL 32-59-54; WL 97-00-50; MOBILE: at Ericsson's 5G Smart Factory, within 5 km, centered around NL 32-59-54; WL 97-00-50
- (2) Plano (COLLIN), TX - NL 33-04-30; WL 96-49-52; MOBILE: Within Ericsson's Corporate Campus, within 5 km, centered around NL 33-04-30; WL 96-49-52
- (3) Richardson (COLLIN), TX - NL 32-57-58; WL 96-42-16; MOBILE: at Ericsson's Lab, within 5 km, centered around NL 32-57-58; WL 96-42-16

Frequency Information

Lewisville (DENTON), TX - NL 32-59-54; WL 97-00-50; MOBILE: at Ericsson's 5G Smart Factory, within 5 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3900 MHz	MO	100MW9W	80 kW (ERP)	100 %

This authorization effective July 13, 2021 and
will expire 3:00 A.M. EST July 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Plano (COLLIN), TX - NL 33-04-30; WL 96-49-52; MOBILE: Within Ericsson's Corporate Campus, within 5 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3900 MHz	MO	100MW9W	80 kW (ERP)	100 %

Richardson (COLLIN), TX - NL 32-57-58; WL 96-42-16; MOBILE: at Ericsson's Lab, within 5 km, centered around NL 32-57-5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3900 MHz	MO	100MW9W	80 kW (ERP)	100 %

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) Ericsson shall coordinate with Fixed Microwave Service licensees in the corresponding proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (4) Ericsson 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>
- (5) Prior to operation, experimental licensee, must notify licensees of FSS earth stations operating the 3700-4200 MHz within 10-kilometer radius of the locations from which experimental operations will occur. Experimental licensee must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). 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 pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station in the band 3700-4200 MHz band.
- (6) Ensure that the transmitting base station antenna(s) tip down when possible and avoid point towards the horizon in order to protect satellite earth stations nearby.
- (7) Stop Buzzer: Hiep Pham at (925) 216-8068, hiep.pham@ericsson.com