

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

EXPERIMENTAL

(Nature of Service)

WL2XPF

(Call Sign)

XT FX MO

(Class of Station)

0197-EX-CN-2021

(File Number)

NAME Siemens Industry, Inc.

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) Buffalo Grove (LAKE), IL - NL 42-10-06; WL 87-56-24; MOBILE: indoors or within .5 kilometers of location, within 0.5 km, centered around NL 42-10-06; WL 87-56-24

Frequency Information

Buffalo Grove (LAKE), IL - NL 42-10-06; WL 87-56-24; MOBILE: indoors or within .5 kilometers of location, within 0.5 km, cen

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	6.07 W (ERP)	
3700-3800 MHz	MO	100MW7W	0.19 W (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.

This authorization effective March 26, 2021 and
will expire 3:00 A.M. EST April 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) With respect to operations in the 3700-3800 MHz band, WTB/Mobility Division recommends that 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>
- (4) Siemens Industry, Inc. shall coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (5) Licensee shall be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) Stop Buzzer POC: Jerry Edwards at 219-669-9738, jerry.edwards_jr@siemens.com