

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

W12XLI

(Call Sign)

0339-EX-CR-2018

(File Number)

NAME Nokia

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) Plano (COLLIN), TX - NL 33-00-28; WL 96-45-34; MOBILE: Nokia Building Facility, within 2 km
- (2) Plano, TX - NL 33-00-17; WL 96-44-55; MOBILE: Nokia Building Facility, within 2 km

Frequency Information

Plano (COLLIN), TX - NL 33-00-28; WL 96-45-34; MOBILE: Nokia Building Facility, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-4.2 GHz	FX	100MW7W 1K00N0N 400MW7W	24.27 W (ERP)	
3.7-4.2 GHz	MO	100MW7W 1K00N0N 400MW7W	24.27 W (ERP)	

This authorization effective September 01, 2018 and
will expire 3:00 A.M. EST September 01, 2020

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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 shall prior coordination with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (3) Licensee be aware that FSS earth stations are licensed on these frequencies and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (4) Prior to the start of operations in the 3700 - 4200 MHz band, experimental licensee must coordinate and notify all eighteen (18) National Spectrum Managers Association (NSMA) frequency coordinator by e-mail. The notice must include the name and contact information of the stop buzzer personnel. It must also include the testing parameters, day and times of each testing. Below is the website that has all of the frequency coordinator point of contact information.

NSMA contact information can be found in the website:

http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave

- (5) Prior to operation in the 3700 - 4200 MHz band frequency band, experimental licensee must maintain a separation distance of 150 km from the grandfathered earth stations. If operations are within 150 km from the grandfathered earth stations, then experimental licensee must notify potentially-affected grandfathered earth stations licensee(s) and obtain a mutual agreement. The coordinates of these stations are available at <http://www.fcc.gov/ib/sd/3650/grandftr.pdf>
- (6) Prior to the start of operations in the 3700 - 4200 MHz band, experimental licensee must notify all the earth stations adjacent band (3700 - 4200 MHz) within 25 km of their operations by e-mail. This notice must include the name and contact information of the stop buzzer personnel in order to notify the test equipment operator(s) to shut down in case of interference. The notification should also include the testing parameters and the day and times of each test. Consult MyIBFS database in the FCC.GOV website to identify all existing registered earth stations in the 3700 - 4200 MHz band.

Special Conditions:

- (7) Operations in the 3700 - 4200 MHz only authorizes the fixed based station to point all their transmit antennas north to north-east (azimuth 0 degree to 90 degrees) with a maximum elevation angle no greater than zero degrees.
- (8) Experimental station shall use the minimum power level necessary to close the communications link to minimize potential interference to licensed users.