

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WI2XHS

(Call Sign)

0140-EX-CM-2019

(File Number)

NAME Nokia Solutions and Networks US LLC

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) Irving (DALLAS), TX - NL 32-53-37; WL 96-57-57; MOBILE: 6000 Connection Dr, within 2 km
- (2) Arlington Heights (COOK), IL - NL 42-08-08; WL 87-59-56; MOBILE: 1455 West Shure Drive, within 2 km
- (3) Waltham (MIDDLESEX), MA - NL 42-23-43; WL 71-16-18; MOBILE: 500 Sylvan Road (Verizon facility), within 2 km
- (4) Basking Ridge (SOMERSET), NJ - NL 40-43-31; WL 74-32-03; MOBILE: 1 Verizon Way, within 2 km
- (5) Euless (TARRANT), TX - NL 32-51-03; WL 97-04-13; MOBILE: 1001 Bear Creek Parkway (Verizon facility), within 2 km
- (6) Murray Hill (UNION), NJ - NL 40-41-02; WL 74-24-04; MOBILE: 600 Mountain Ave, within 2 km
- (7) South Plainfield (MIDDLESEX), NJ - NL 40-33-16; WL 74-25-47; MOBILE: 6000 Hadley Road, within 2 km
- (8) Framingham (MIDDLESEX), MA - NL 42-17-14; WL 71-26-30; MOBILE: 6-8 Robert Road, within 2 km
- (9) Coppell (DALLAS), TX - NL 32-56-08; WL 96-59-01; MOBILE: Nokia Facility, within 2 km, centered around NL 32-56-08; WL 96-59-01
- (10) Plano (COLLIN), TX - NL 33-02-24; WL 96-45-07; MOBILE: Nokia Facility, within 2 km, centered around NL 33-02-24; WL 96-45-07

This authorization effective July 10, 2019 and
will expire 3:00 A.M. EST May 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Irving (DALLAS), TX - NL 32-53-37; WL 96-57-57; MOBILE: 6000 Connection Dr, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Arlington Heights (COOK), IL - NL 42-08-08; WL 87-59-56; MOBILE: 1455 West Shure Drive, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Frequency Information

Waltham (MIDDLESEX), MA - NL 42-23-43; WL 71-16-18; MOBILE: 500 Sylvan Road (Verizon facility), within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Basking Ridge (SOMERSET), NJ - NL 40-43-31; WL 74-32-03; MOBILE: 1 Verizon Way, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Frequency Information

Euless (TARRANT), TX - NL 32-51-03; WL 97-04-13; MOBILE: 1001 Bear Creek Parkway (Verizon facility), within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Murray Hill (UNION), NJ - NL 40-41-02; WL 74-24-04; MOBILE: 600 Mountain Ave, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Frequency Information

South Plainfield (MIDDLESEX), NJ - NL 40-33-16; WL 74-25-47; MOBILE: 6000 Hadley Road, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Framingham (MIDDLESEX), MA - NL 42-17-14; WL 71-26-30; MOBILE: 6-8 Robert Road, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Frequency Information

Coppell (DALLAS), TX - NL 32-56-08; WL 96-59-01; MOBILE: Nokia Facility, within 2 km, centered around NL 32-56-08; WL 96-59-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	FX	500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	

Piano (COLLIN), TX - NL 33-02-24; WL 96-45-07; MOBILE: Nokia Facility, within 2 km, centered around NL 33-02-24; WL 96-45-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.6-40 GHz	FX	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 W (ERP)	
38.6-40 GHz	MO	1K00N0N 20M0W7W 500MW7W 1G00W7W 800MW7W	54 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.

Special Conditions:

- (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) Licensee shall prior coordinate with the incumbent fixed microwave in each corresponding proposed venue prior to conducting the testing.
- (4) Prior to operation, licensee must coordinate with satellite stations authorized to operate in these frequency bands that are located within a 25 mile radius of the transmitter.