

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

EXPERIMENTAL

(Nature of Service)

WH2XLL

(Call Sign)

XT FX MO

(Class of Station)

0379-EX-CR-2018

(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) Arlington Heights, IL - NL 42-08-08; WL 87-59-56; MOBILE: , within 1 km
- (2) Mountain View, CA - NL 37-23-20; WL 122-03-07; MOBILE: , within 1 km
- (3) Irving, TX - NL 32-53-37; WL 96-57-57; MOBILE: , within 1 km
- (4) Austin, TX - NL 30-24-29; WL 97-43-31; MOBILE: , within 1 km
- (5) Brooklyn, NY - NL 40-41-37; WL 73-59-17; MOBILE: , within 1 km
- (6) Brooklyn, NY - NL 40-41-40; WL 73-59-07; MOBILE: , within 1 km
- (7) Waltham (MIDDLESEX), MA - NL 42-23-43; WL 71-16-18; MOBILE: , within 1 km
- (8) Euless, TX - NL 32-51-03; WL 97-04-13; MOBILE: , within 1 km
- (9) Basking Ridge (SOMERSET), NJ - NL 40-43-31; WL 74-32-03; MOBILE: , within 1 km
- (10) Murray Hill (UNION), NJ - NL 40-41-03; WL 74-24-05; MOBILE: , within 1 km
- (11) Naperville (DU PAGE), IL - NL 41-48-44; WL 88-07-11; MOBILE: within 2 km, centered around NL 41-48-44; WL 88-07-11
- (12) Holmdel (MONMOUTH), NJ - NL 40-23-25; WL 74-11-11; MOBILE: within 2 km, centered around NL 40-23-25; WL 74-11-11

Frequency Information

Arlington Heights, IL - NL 42-08-08; WL 87-59-56; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W	3 W (ERP)	

This authorization effective November 01, 2018 and
will expire 3:00 A.M. EST November 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Arlington Heights, IL - NL 42-08-08; WL 87-59-56; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Mountain View, CA - NL 37-23-20; WL 122-03-07; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Irving, TX - NL 32-53-37; WL 96-57-57; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Frequency Information

Austin, TX - NL 30-24-29; WL 97-43-31; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Brooklyn, NY - NL 40-41-37; WL 73-59-17; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Brooklyn, NY - NL 40-41-40; WL 73-59-07; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Frequency Information

Waltham (MIDDLESEX), MA - NL 42-23-43; WL 71-16-18; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Euless, TX - NL 32-51-03; WL 97-04-13; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Frequency Information

Murray Hill (UNION), NJ - NL 40-41-03; WL 74-24-05; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	

Naperville (DU PAGE), IL - NL 41-48-44; WL 88-07-11; MOBILE:within 2 km, centered around NL 41-48-44; WL 88-07-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	FX	1G00W7W 2G00W7W	3 W (ERP)	

Holmdel (MONMOUTH), NJ - NL 40-23-25; WL 74-11-11; MOBILE:within 2 km, centered around NL 40-23-25; WL 74-11-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
68-76 GHz	MO	1G00W7W 2G00W7W	3 W (ERP)	
68-76 GHz	FX	1G00W7W 2G00W7W	3 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.
- (3) NSN must operate on a non-interference basis to any links operating in the band under Section 101.1523 of the Commission's Rules.