

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WN9XDT

(Call Sign)

XT FX MO

(Class of Station)

1149-EX-ST-2018

(File Number)

NAME Nokia

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Demonstrate prototype (5G) communication equipment to potential customer.

Station Locations

- (1) Peoria (PEORIA), IL - NL 40-45-16; WL 89-35-19; MOBILE: Customer location, within 2 km, centered around NL 40-45-16; WL 89-35-19

Frequency Information

Peoria (PEORIA), IL - NL 40-45-16; WL 89-35-19; MOBILE: Customer location, within 2 km, centered around NL 40-45-16; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-30000 MHz	FX	800MW7W 400MW7W	251 W (ERP)	
27500-30000 MHz	MO	800MW7W 400MW7W	1 W (ERP)	

This authorization effective September 01, 2018 and
will expire 3:00 A.M. EST February 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



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 is required to coordinate operations with existing microwave users in the area to avoid interference.
- (3) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) Licensee must avoid pointing the transmitting antenna main beam gain within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-30 GHz band.
- (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.