

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

EXPERIMENTAL

(Nature of Service)

WM9XCS

(Call Sign)

XT FX MO

(Class of Station)

1699-EX-ST-2017

(File Number)

NAME Ericsson

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:

5G testing on 28 MHz.

Station Locations

- (1) Indianapolis (MARION), IN - NL 39-46-36; WL 86-09-08; MOBILE: within designated radius, within 1 km, centered around NL 39-46-36; WL 86-09-08
- (2) Indianapolis (MARION), IN - NL 39-46-26; WL 86-08-49; MOBILE: within designated radius, within 1 km, centered around NL 39-46-26; WL 86-08-49
- (3) Indianapolis (MARION), IN - NL 39-46-25; WL 86-09-03; MOBILE: within designated radius, within 1 km, centered around NL 39-46-25; WL 86-09-03
- (4) Indianapolis (MARION), IN - NL 39-46-35; WL 86-08-56; MOBILE: within designated radius, within 1 km, centered around NL 39-46-35; WL 86-08-56
- (5) Indianapolis (MARION), IN - NL 39-46-35; WL 86-08-49; MOBILE: within designated radius, within 1 km, centered around NL 39-46-35; WL 86-08-49
- (6) Indianapolis (MARION), IN - NL 39-45-59; WL 86-08-50; MOBILE: within designated radius, within 1 km, centered around NL 39-45-59; WL 86-08-50
- (7) Indianapolis (MARION), IN - NL 39-46-13; WL 86-08-54; MOBILE: within designated radius, within 1 km, centered around NL 39-46-13; WL 86-08-54
- (8) Indianapolis (MARION), IN - NL 39-46-07; WL 86-09-02; MOBILE: within designated radius, within 1 km, centered around NL 39-46-07; WL 86-09-02

This authorization effective January 15, 2018 and
will expire 3:00 A.M. EST June 16, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Indianapolis (MARION), IN - NL 39-46-36; WL 86-09-08; MOBILE: within designated radius, within 1 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW9W		

Indianapolis (MARION), IN - NL 39-46-26; WL 86-08-49; MOBILE: within designated radius, within 1 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW9W		

Indianapolis (MARION), IN - NL 39-46-25; WL 86-09-03; MOBILE: within designated radius, within 1 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW9W		

Indianapolis (MARION), IN - NL 39-46-35; WL 86-08-56; MOBILE: within designated radius, within 1 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW9W		

Frequency Information

Indianapolis (MARION), IN - NL 39-46-35; WL 86-08-49; MOBILE: within designated radius, within 1 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW9W		

Indianapolis (MARION), IN - NL 39-45-59; WL 86-08-50; MOBILE: within designated radius, within 1 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW9W		

Indianapolis (MARION), IN - NL 39-46-13; WL 86-08-54; MOBILE: within designated radius, within 1 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW9W		

Indianapolis (MARION), IN - NL 39-46-07; WL 86-09-02; MOBILE: within designated radius, within 1 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW9W		

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (3) Licensee must avoid pointing the main beam gain transmitting antenna within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-28.35 GHz band.
- (4) Licensee shall ensure that the transmitting fixed station antenna(s) tip down when possible and avoid pointing above the horizon to protect satellite stations.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (7) Licensee shall recommend prior coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) to protect the microwave operations in the proposed areas.