

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WO9XFK

(Call Sign)

2049-EX-ST-2019

(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:

The demonstration will showcase the benefits of 5G to developers.

Station Locations

- (1) Mountain View (SANTA CLARA), CA - NL 37-25-36; WL 122-04-51
- (2) Mountain View (SANTA CLARA), CA - NL 37-25-02; WL 122-04-31; MOBILE: , within 0.1 km, centered around NL 37-25-02; WL 122-04-31

Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-25-36; WL 122-04-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2570 MHz	FX	10M0WXD	15 W (ERP)	
2620-2690 MHz	FX	10M0WXD	15 W (ERP)	

This authorization effective November 15, 2019 and
will expire 3:00 A.M. EST May 23, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-25-36; WL 122-04-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27775.04-28175.04 MHz	FX	400MWXD	15 W (ERP)	

Mountain View (SANTA CLARA), CA - NL 37-25-02; WL 122-04-31; MOBILE: , within 0.1 km, centered around NL 37-25-02; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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27775.04-28175.04 MHz	FX	400MWXD	15 W (ERP)	

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.
- (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 27775.04-28175.04 MHz band.
- (5) Licensee shall ensure that the transmitting fixed station antenna main beam gain tip down when possible and avoid pointing above the horizon to protect satellite stations.
- (6) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.

Special Conditions:

- (7) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (8) Ericsson must obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to operation in 2500-2570 MHz and 2620-2690 MHz bands.
- (9) Ericsson must coordinate with the Fixed Microwave Service licensees prior to operation in 27775.04 MHz - 28175.04 MHz band.