

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

EXPERIMENTAL

(Nature of Service)

WL9XRE

(Call Sign)

XT FX

(Class of Station)

1034-EX-ST-2017

(File Number)

NAME PHAZR

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:

PHAZR plans to demonstrate 5G Millimeter wave communication equipment operating in the 28 GHz and 39 GHz bands to key customers at MWC Americas, September 12-14, 2017 in San Francisco, CA.

Station Locations

(1) San Francisco (SAN FRANCISCO), CA - NL 37-47-03; WL 122-24-06

Frequency Information

San Francisco (SAN FRANCISCO), CA - NL 37-47-03; WL 122-24-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MG7W	200 W (ERP)	1 %
37-40 GHz	FX	800MG7W	200 W (ERP)	1 %

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.

This authorization effective September 10, 2017 and
will expire 3:00 A.M. EST September 16, 2017

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Special Conditions:

- (2) 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.
- (3) The fixed station antenna(s) main beam elevation angle is at (Zero degree) or below the horizon (below Zero degrees) while transmitting signals in the 37-40 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) Licensee shall prior coordinate with any Fixed Microwave Service licensees in the area in accordance with 47 CFR, Part 101.103(d).