

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

EXPERIMENTAL

(Nature of Service)

WM9XBM

(Call Sign)

XT FX MO

(Class of Station)

1688-EX-ST-2017

(File Number)

NAME Cohere Technologies

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:

Cohere Technologies has developed a new modulation technique using Orthogonal Time Frequency Space modulation (OTFS).

Station Locations

- (1) Philadelphia (PHILADELPHIA), PA - NL 39-57-19; WL 75-10-09; MOBILE: Philadelphia, PA, within 0.5 km, centered around NL 39-57-19; WL 75-10-09
- (2) Burlington (BURLINGTON), NJ - NL 40-03-39; WL 74-49-29; MOBILE: Burlington, NJ, within 0.5 km, centered around NL 40-03-39; WL 74-49-29

Frequency Information

Philadelphia (PHILADELPHIA), PA - NL 39-57-19; WL 75-10-09; MOBILE: Philadelphia, PA, within 0.5 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3675 MHz	FX	10M0W8W	2 W (ERP)	0.001 %

This authorization effective December 10, 2017 and
will expire 3:00 A.M. EST February 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Burlington (BURLINGTON), NJ - NL 40-03-39; WL 74-49-29; MOBILE: Burlington, NJ, within 0.5 km, centered around NL 40-1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3675 MHz	FX	10M0W8W	2 W (ERP)	0.001 %

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) Licensee shall maintain separation from the grandfathered earth stations as defined in Part 90, subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to accessing to 3650-3675 MHz band.
- (4) Licensee shall ensure that the operations will not cause harmful interference to any existing registered stations in 3650-3700 MHz, and notify the registered users in the proposed areas prior to operation in 3650-3675 MHz band.
- (5) Prior to operation, licensee must coordinate with stations authorized to operate in these frequency bands that are located within a within a 25 mile radius of the transmitter.