

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

EXPERIMENTAL

(Nature of Service)

WM9XDY

(Call Sign)

XT FX MO

(Class of Station)

1563-EX-ST-2017

(File Number)

NAME Samsung SEA America

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:

Evaluation of new technologies that are needed to further boost the spectral efficiency of cellular wireless communications networks.

Station Locations

- (1) Philadelphia (PHILADELPHIA), PA - NL 39-57-19; WL 75-10-09; MOBILE: , within 2 km, centered around NL 39-57-19; WL 75-10-09
- (2) Burlington (BURLINGTON), NJ - NL 40-03-47; WL 74-49-39; MOBILE: , within 2 km, centered around NL 40-03-47; WL 74-49-39

Frequency Information

Philadelphia (PHILADELPHIA), PA - NL 39-57-19; WL 75-10-09; MOBILE: , within 2 km, centered around NL 39-57-19; WL 75-10-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX		50.119 W (ERP)	0.001 %
		100MW7W		
		20M0W7W		
		10M0W7W		
		5M00W7W		

This authorization effective December 28, 2017 and
will expire 3:00 A.M. EST June 28, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Burlington (BURLINGTON), NJ - NL 40-03-47; WL 74-49-39; MOBILE: , within 2 km, centered around NL 40-03-47; WL 74-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	100MW7W 20M0W7W 10M0W7W 5M00W7W	1 W (ERP)	0.001 %

Special Conditions:

- (1) 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.
- (2) Samsung SEA America must not operate in the 3550 - 3650 MHz band. These locations fall within the Exclusion Zone defined in Fast Track Report (NTIA Technical Report TR-15-517: 3.5 GHz Exclusion Zone Analyses and Methodology).
- (3) Samsung SEA America shall maintain operation 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 operation in 3550-3700 MHz band.
- (4) Samsung SEA America shall consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas.
- (5) Samsung SEA America shall be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.