

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

EXPERIMENTAL

(Nature of Service)

WF2XXE

(Call Sign)

XT FX MO

(Class of Station)

1554-EX-ST-2018

(File Number)

NAME Samsung Information System America, Inc

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 purpose of the proposed operations is to conduct a market trial of new communications equipment systems compliant with Part 5, Subpart H, Rule 5.602.

Station Locations

- (1) Richardson (DALLAS), TX - NL 32-59-11; WL 96-42-04; MOBILE: Richardson, TX, within 2 km, centered around NL 32-59-11; WL 96-42-04

Frequency Information

Richardson (DALLAS), TX - NL 32-59-11; WL 96-42-04; MOBILE: Richardson, TX, within 2 km, centered around NL 32-59-11.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.925 GHz	FX	800MK1W 800MG7W 800MW7W	630.95 W (ERP)	
27.925 GHz	MO	800MK1W 800MG7W	19.95 W (ERP)	

This authorization effective October 04, 2018 and
will expire 3:00 A.M. EST April 04, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Richardson (DALLAS), TX - NL 32-59-11; WL 96-42-04; MOBILE: Richardson, TX, within 2 km, centered around NL 32-59-11.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.925 GHz	MO	800MW7W	19.95 W (ERP)	

Special Conditions:

- (1) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) Licensee must avoid pointing the transmitting antenna main beam gain within 10 degrees of any point on the geostationary orbital arc while transmitting signals at the 27.925 GHz band.
- (7) 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.
- (8) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (9) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (10) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (11) 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.
- (12) Operation is subject to prior coordination with affected existing Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).