

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

EXPERIMENTAL

(Nature of Service)

WR9XDK

(Call Sign)

XT FX

(Class of Station)

1464-EX-ST-2020

(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:

To develop and test various wireless services for telecom purposes.

Station Locations

- (1) Plano (COLLIN), TX - NL 33-03-53; WL 96-41-38
- (2) Plano (COLLIN), TX - NL 33-03-53; WL 96-41-38
- (3) Plano (COLLIN), TX - NL 33-03-53; WL 96-41-38

Frequency Information

Plano (COLLIN), TX - NL 33-03-53; WL 96-41-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37-40 GHz	FX	100MG7W 100MD7W	100 W (ERP)	

This authorization effective October 15, 2020 and
will expire 3:00 A.M. EST April 11, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Plano (COLLIN), TX - NL 33-03-53; WL 96-41-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2660 MHz	FX	80M0G7W 80M0D7W	20 W (ERP)	

Plano (COLLIN), TX - NL 33-03-53; WL 96-41-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3980 MHz	FX	100MD7W	70794.6 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) Licensee must successfully obtain consents from the Educational Broadband Service and Broadband Radio Service licensees prior to accessing to the frequency range from 2496 MHz to 2690 MHz.
- (4) Licensee must successfully secure consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to 37 GHz- 40 GHz band.
- (5) Licensee must successfully coordinate with the Fixed Microwave Service licensees in the proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 3700-3980 MHz band.
- (6) Samsung Information System America, Inc. be aware Unwanted emission mean power from operation in the 37-40 GHz frequency band shall be limited to -43 dB (W/MHz) and -23 dB(W/GHz) within the 36-37 GHz frequency band and is recommended to be less than -30 dB(W/GHz), in accordance with ITU Resolution 243 (WRC-19).
- (7) Samsung Information System America, Inc. must notch 2660 - 2690 MHz due to issues with adjacent band interference to FAA systems.
- (8) With respect to operations in 3700-3980 MHz band, the applicant should be made aware that they must avoid causing interference to existing Fixed Service operators and FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link:
<https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>

Special Conditions:

- (9) For operations in the 3700-3980 MHz band, applicant must obtain a written consent from operators or remove this band.