

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

EXPERIMENTAL

(Nature of Service)

WP9XYL

(Call Sign)

XT FX MO

(Class of Station)

0105-EX-ST-2020

(File Number)

NAME Bell Textron 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:

Evaluation of the datalink must be done using a manned airborne test article to ensure that datalink quality and reliability meet operational requirements prior to testing with an unmanned

Station Locations

- (1) Fort Worth (TARRANT), TX - NL 32-48-29; WL 97-09-23; MOBILE: , within 2 km, centered around NL 32-48-29; WL 97-09-23
- (2) MOBILE: Fort Worth, TX, within 8 km, centered around NL 32-48-29; WL 97-09-23
- (3) Fort Worth (TARRANT), TX - NL 32-48-29; WL 97-09-23; MOBILE: , within 2 km, centered around NL 32-48-29; WL 97-09-23

Frequency Information

Fort Worth (TARRANT), TX - NL 32-48-29; WL 97-09-23; MOBILE: , within 2 km, centered around NL 32-48-29; WL 97-09-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2215.475 MHz	MO	5M64D7W 11M3D7W 22M6D7W	385 W (ERP)	0.0005 %
2271.225 MHz	MO	5M64D7W	385 W (ERP)	0.0005 %

This authorization effective February 24, 2020 and
will expire 3:00 A.M. EST August 25, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Fort Worth (TARRANT), TX - NL 32-48-29; WL 97-09-23; MOBILE: , within 2 km, centered around NL 32-48-29; WL 97-09-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2271.225 MHz	MO	11M3D7W 22M6D7W	385 W (ERP)	0.0005 %
5150-5250 MHz	MO	4M06D1D 8M70D1D 17M5D1D	2427.5 W (ERP)	0.0004 %

MOBILE: Fort Worth, TX, within 8 km, centered around NL 32-48-29; WL 97-09-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2215.475 MHz	MO	5M64D7W 11M3D7W 22M6D7W	2 W (ERP)	0.0005 %
2271.225 MHz	MO	5M64D7W 11M3D7W 22M6D7W	2 W (ERP)	0.0005 %
5150-5250 MHz	MO	4M06D1D 8M70D1D 17M5D1D	4 W (ERP)	0.0004 %

Frequency Information

Fort Worth (TARRANT), TX - NL 32-48-29; WL 97-09-23; MOBILE: , within 2 km, centered around NL 32-48-29; WL 97-09-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2215.475 MHz	MO	5M64D7W 11M3D7W 22M6D7W	2 W (ERP)	0.0005 %
2271.225 MHz	MO	5M64D7W 11M3D7W 22M6D7W	2 W (ERP)	0.0005 %
5150-5250 MHz	MO	4M06D1D 8M70D1D 17M5D1D	4 W (ERP)	0.0004 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) 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
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (6) Mobile operations in the 2200-2290 MHz frequency band shall be limited to Line of Sight operations only, which excludes Beyond Line of Sight operations and shall not cause harmful interference to earth station operations outlined in Section 8.3.15 of the NTIA Manual.
- (7) The future requests at different locations and bandwidths greater than 5 MHz in the 2200-2290 MHz band may not be possible.
- (8) Operation is for manned flight only due to flight altitude above 500 ft.

Special Conditions:

- (9) Bell Textron Inc. must operate in accordance with FAA coordination comments reference NG T190896.
- (10) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NASA, 80AFRC19M0004. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (11) Operation is subject to prior coordination with FAA
- (12) Future STA requests to extend this authorization will not be considered.