

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

EXPERIMENTAL

(Nature of Service)

WL9XPK

(Call Sign)

XT FX MO

(Class of Station)

1011-EX-ST-2017

(File Number)

NAME Persistent Systems, LLC

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 this operation is proof of concept/baseline testing for the Man Portable Unit 5 or MPU5 for air-to-ground links up to 30km at lower S-band frequencies(2200-2300MHz). This

Station Locations

- (1) Greenville (HUNT), TX - NL 33-04-22; WL 96-03-55
- (2) MOBILE: 30km radius from Fixed/Base station, 10K ft. MSL, within 30 km, centered around NL 33-04-22; WL 96-03-55

Frequency Information

Greenville (HUNT), TX - NL 33-04-22; WL 96-03-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2222 MHz	FX	20M0W2W	2038.4 W (ERP)	0.00151 %
2237 MHz	FX	20M0W2W	2038.4 W (ERP)	0.00151 %

This authorization effective September 01, 2017 and
will expire 3:00 A.M. EST October 02, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Greenville (HUNT), TX - NL 33-04-22; WL 96-03-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2262 MHz	FX	20M0W2W	2038.4 W (ERP)	0.00151 %
2272 MHz	FX	20M0W2W	2038.4 W (ERP)	0.00151 %

MOBILE: 30km radius from Fixed/Base station, 10K ft. MSL, within 30 km, centered around NL 33-04-22; WL 96-03-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2237 MHz	MO	20M0W2W	2038.4 W (ERP)	0.00151 %
2262 MHz	MO	20M0W2W	2038.4 W (ERP)	0.00151 %
2272 MHz	MO	20M0W2W	2038.4 W (ERP)	0.00151 %
2.222 GHz	MO	20M0W2W	30 W (ERP)	0.00151 %

Special Conditions:

- (1) Persistent Systems, LLC should have no expectations of automatic approval in this band in future submissions.
- (2) Airborne operation of this equipment within 880 km (per Table 10 of Appendix 7 of the Radio Regulations) of coordinated earth stations listed in Section 8.3.15 of the Manual requires pre-coordination with the agency owning that station