

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

EXPERIMENTAL

(Nature of Service)

WQ9XOY

(Call Sign)

XT FX MO

(Class of Station)

0813-EX-ST-2020

(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:

Testing, demonstrations and evaluation of data transmission system.
Please see attached narrative.

Station Locations

- (1) Avon Park, FL - NL 27-38-49; WL 81-21-03; MOBILE: within 1.6 kilometers of specified coordinates, within 1.6 km, centered around NL 27-38-49; WL 81-21-03

Frequency Information

Avon Park, FL - NL 27-38-49; WL 81-21-03; MOBILE: within 1.6 kilometers of specified coordinates, within 1.6 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2222 MHz	MO	20M0D1D	12.16 W (ERP)	4 %
2277 MHz	MO	20M0D1D	12.16 W (ERP)	4 %

This authorization effective July 13, 2020 and
will expire 3:00 A.M. EST July 18, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (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) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (5) All operations shall be limited to demonstrating and testing of a mobile (MANET) product line at Avon Park, FL and under the USSOCOM TE 20-3 event.
- (6) Persistent Systems, LLC affirms the stop buzzer name, phone number, and email to the DHS Spectrum Office, Mr. Jason Chabot, jason.chabot@hq.dhs.gov.
- (7) Persistent Systems, LLC stop buzzer contact, Mr. Marshall Bonham, (254) 247-99125, should be available during operations (demonstration & test).
- (8) Persistent Systems, LLC agrees to immediate cease operations upon request for any reason, to include, but not limited to EMI.
- (9) Persistent Systems, LLC should be aware that the band 2200-2290 MHz is allocated for federal operations and is a highly congested band. Non-federal use is on a case-by-case basis.