

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

EXPERIMENTAL

(Nature of Service)

WR9XXK

(Call Sign)

XT MO

(Class of Station)

0498-EX-ST-2021

(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 proof-of-concept evaluation of data transmission system.
Please see attached narrative.

Station Locations

- (1) MOBILE: within 32.19 kilometers of specified coordinates Los Angeles, CA, within 32.1 km, centered around NL 34-03-55; WL 118-14-38

Frequency Information

MOBILE: within 32.19 kilometers of specified coordinates Los Angeles, CA, within 32.1 km, centered around NL 34-03-55; WL 118-14-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2277 MHz	MO	5M00D1D	12.16 W (ERP)	4 %

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) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Persistent Systems, LLC must notch 2222 MHz.

This authorization effective May 09, 2021 and
will expire 3:00 A.M. EST May 23, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) NTIA concurs to 2277 MHz only with emission of 5M0D1D.
- (5) Prior to commencing operations, Persistent Systems, LLC requires to provide AF (Jimmy.nguyen@us.af.mil) with Stop buzzer POC info.
- (6) Persistent Systems, LLC should be aware that the band 2200-2290 MHz is allocated for federal operations and is an extremely congested band. Non-federal use is on a case-by-case basis. Persistent Systems, LLC should have no expectations of automatic approval in this band in future requests or for operational use.
- (7) All mobile operations in the 2200-2290 MHz frequency band shall be limited to line-of-sight operations only.
- (8) Experimental stations shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (9) At least 3-business days prior to operation, Persistent Systems, LLC must coordinate with the DoD Western Area Frequency Coordinator Jamie Heaton; 760-939-6832.