

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

EXPERIMENTAL

(Nature of Service)

WK9XNO

(Call Sign)

XT MO

(Class of Station)

1352-EX-ST-2016

(File Number)

NAME Herley Industries, Inc. d/b/a Ultra Electronics Herley

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:

Test of Trajectory Control Unit (TCU) and Projectile Control Unit (PCU) systems.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations Lancaster PA, within 10 km, centered around NL 40-02-34; WL 76-23-09

Frequency Information

MOBILE: Temporary Fixed Ground Operations Lancaster PA, within 10 km, centered around NL 40-02-34; WL 76-23-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
17500 MHz	MO	118MG1D	24.33 W (ERP)	
17500 MHz	MO	118MG1D	3.8 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective November 01, 2016 and
will expire 3:00 A.M. EST May 01, 2017

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) NTIA questions the use of the 17500 MHz frequency which is within the 17300 - 17700 MHz band. This band is allocated for Federal Radiolocation and Non-Federal Satellite communications. This STA appears to be for Tele-command control of a projectile. Federal support of this operation in this band may not be possible in the future.