

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

EXPERIMENTAL

(Nature of Service)

WK9XHG

(Call Sign)

XT MO

(Class of Station)

1388-EX-ST-2016

(File Number)

NAME Tecore, 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:

U.S. Coast Guard Capabilities Demonstration 16-3.

Station Locations

- (1) MOBILE: U.S. Naval Air Station, Patuxent River, MD, within 15 km, centered around NL 38-17-09; WL 76-24-42
- (2) MOBILE: U.S. Naval Air Station, Patuxent River, MD, within 15 km, centered around NL 38-17-09; WL 76-24-42

Frequency Information

MOBILE: U.S. Naval Air Station, Patuxent River, MD, within 15 km, centered around NL 38-17-09; WL 76-24-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1812.5-1832.5 MHz	MO	10M0F9W	10 W (ERP)	0.0001 %

This authorization effective September 26, 2016 and
will expire 3:00 A.M. EST October 10, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: U.S. Naval Air Station, Patuxent River, MD, within 15 km, centered around NL 38-17-09; WL 76-24-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1812.5-1832.5 MHz	MO	10M0F9W	10 W (ERP)	0.0001 %
2640-2660 MHz	MO	10M0F9W	19.236 W (ERP)	

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) The Department of the Navy has no objection to the frequency use as proposed provided the U.S. Coast Guard representatives contact Real-Time Telemetry Processing System (RTPS) to obtain approval to use a 10 MHz channel within the 1812.5 - 1832.5 MHz (1822.5 MHz center channel) at PAXRTPSSCHED.fct@navy.mil at least 3 days prior to planned usage and noting the limitations below. When requesting spectrum use from RTPS, a STOP BUZZER POC and contact information must be provided.
- (4) Tecore and USCG scheduled usage of this band can be usurped by any other Government planned or emergent usage of this spectrum.
- (5) US Navy and MIDLANTAFC concurrence of the STA is contingent upon the US Coast Guard, a Federal Government agency, accepting the responsibility for the use of this equipment and spectrum AND accepting the daily pre-coordination requirements for the use of these frequencies
- (6) Tecore and the US Coast Guard usage of this spectrum is on a non-interference (NIB) basis to all existing and planned spectrum usage in the 1755 - 1850 MHz band at NAWCAD Patuxent River MD. The entire 1755 - 1850 MHz band is extremely congested and contested, and is scheduled on a daily basis via the RTPS (Real-Time Telemetry Processing System) frequency coordinators. Since the 1812.5 - 1832.5 MHz use under this STA will be to demo commercial equipment to the US Government, this proposed usage cannot preclude or hamper any planned or emerging US Navy or Federal use of this spectrum during the 9/26/2016 - 10/9/2016 proposed usage dates, nor will this limited STA authorization be assumed as spectrum supportability for future operations
- (7) Tecore and USCG use of this spectrum for Tecore Inc. demonstration purposes will cease on 9 Oct and if any further usage is required, MIDLANTFAC will be contacted in advance (301-342-9549, scott.hoschar@navy.mil or 301-342-1194, robert.n.goddard@navy.mil). A STOP BUZZER POC must also be provided with all RTPS coordination requests.

Special Conditions:

- (8) A STOP BUZZER POC is defined as the US Coast Guard representative accepting the responsibility for this testing and can cease operations immediately if required and requested by MIDLANTAFC and/or RTPS."
- (9) Tecore, Inc. must obtain consents from the Educational Broadband Service and Broadband Radio Service licenses prior to operation in 2640-2660 MHz band.
- (10) Tecore must get consents from the Advanced Wireless Service licensees prior to accessing to 1775-1815 MHz band.