

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WK9XBX

(Call Sign)

0985-EX-ST-2016

(File Number)

NAME Raytheon Missile Systems

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 DGPS technology to enhance the precision positioning of products under test.

Station Locations

- (1) MOBILE: Airborne ops mostly over ocean under 10000 ft, within 160 km, centered around NL 34-05-51; WL 119-04-50
- (2) MOBILE: airborne ops mostly over desert under 10000 ft, within 80 km, centered around NL 35-39-31; WL 117-49-25

Frequency Information

MOBILE: Airborne ops mostly over ocean under 10000 ft, within 160 km, centered around NL 34-05-51; WL 119-04-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.45 MHz	MO	15K3F1D	6.1 W (ERP)	
471 MHz	MO	15K3F1D	6.1 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne ops mostly over ocean under 10000 ft, within 160 km, centered around NL 34-05-51; WL 119-04-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479.45 MHz	MO	15K3F1D	6.1 W (ERP)	

MOBILE: airborne ops mostly over desert under 10000 ft, within 80 km, centered around NL 35-39-31; WL 117-49-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.45 MHz	MO	15K3F1D	6.1 W (ERP)	
471 MHz	MO	15K3F1D	6.1 W (ERP)	
479.45 MHz	MO	15K3F1D	6.1 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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (3) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.