

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

EXPERIMENTAL

(Nature of Service)

WI9XMW

(Call Sign)

XT MO

(Class of Station)

2072-EX-ST-2018

(File Number)

NAME Raytheon IDS

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:

The purpose of this request for a Special Temporary Authorization is to establish a VHF and UHF communications network.

Station Locations

- (1) MOBILE: Pelham, NH, within 200 km, centered around NL 42-44-14; WL 71-21-16
- (2) MOBILE: Marlborough, MA, within 250 km, centered around NL 42-20-54; WL 71-29-29
- (3) MOBILE: Marlborough, MA, within 250 km, centered around NL 42-20-54; WL 71-29-29
- (4) MOBILE: Pelham, NH, within 200 km, centered around NL 42-44-14; WL 71-21-17

Frequency Information

MOBILE: Pelham, NH, within 200 km, centered around NL 42-44-14; WL 71-21-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
142.025 MHz	MO	25K0F3E 12K5F3E	10 W (ERP)	
146.075 MHz	MO	12K5F3E	10 W (ERP)	

This authorization effective February 19, 2019 and
will expire 3:00 A.M. EST July 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
146.075 MHz	MO	25K0F3E	10 W (ERP)	

MOBILE: Marlborough, MA, within 250 km, centered around NL 42-20-54; WL 71-29-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
142.025 MHz	MO	12K5F3E 25K0F3E	10 W (ERP)	
146.075 MHz	MO	25K0F3E 12K5F3E	10 W (ERP)	

MOBILE: Marlborough, MA, within 250 km, centered around NL 42-20-54; WL 71-29-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
410.05 MHz	MO	12K5F3E	10 W (ERP)	
418.75 MHz	MO	12K5F3E	10 W (ERP)	

Frequency Information

MOBILE: Pelham, NH, within 200 km, centered around NL 42-44-14; WL 71-21-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
410.05 MHz	MO	12K5F3E	10 W (ERP)	
418.75 MHz	MO	12K5F3E	10 W (ERP)	

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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee must ensure that the transmitting antenna(s) main beam do not point above the horizon in order to protect satellite space stations operating in overlapping frequency bands.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) Raytheon IDS must limit operations to only the ground operations.