

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

EXPERIMENTAL

(Nature of Service)

WI9XMW

(Call Sign)

XT FX

(Class of Station)

0425-EX-ST-2015

(File Number)

NAME Raytheon Integrated Defense 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:

To perform measurements on various radar systems at different stages of design, development, and manufacture at a Raytheon facility.

Station Locations

- (1) Tewksbury (MIDDLESEX), MA - NL 42-38-16; WL 71-14-43
- (2) Pelham (HILLSBOROUGH), NH - NL 42-44-14; WL 71-21-16
- (3) Sudbury (MIDDLESEX), MA - NL 42-21-57; WL 71-25-56
- (4) Woburn (MIDDLESEX), MA - NL 42-31-21; WL 71-08-21

Frequency Information

Tewksbury (MIDDLESEX), MA - NL 42-38-16; WL 71-14-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX		475.6 kW (ERP)	
		130MQ3N		
		72M4Q3N		
		12M0Q3N		
		5M50Q3N		
		72M4Q1N		
		24M0Q1N		
		200KP0N		

This authorization effective May 11, 2015 and
will expire 3:00 A.M. EST November 11, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tewksbury (MIDDLESEX), MA - NL 42-38-16; WL 71-14-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	8M40P0N 80M0P0N	475.6 kW (ERP)	

Pelham (HILLSBOROUGH), NH - NL 42-44-14; WL 71-21-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	130MQ3N 72M4Q3N 24M0Q3N 5M50Q3N 72M4Q1N 24M0Q1N 200KP0N 8M40P0N 80M0P0N	475.6 kW (ERP)	

Sudbury (MIDDLESEX), MA - NL 42-21-57; WL 71-25-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	130MQ3N 72M4Q3N 24M0Q3N 5M50Q3N 72M4Q1N 24M0Q1N 200KP0N 8M40P0N	475.6 kW (ERP)	

Frequency Information

Sudbury (MIDDLESEX), MA - NL 42-21-57; WL 71-25-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	80M0P0N	475.6 kW (ERP)	

Woburn (MIDDLESEX), MA - NL 42-31-21; WL 71-08-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	130MQ3N	475.6 kW (ERP)	
		72M4Q3N		
		24M0Q3N		
		5M50Q3N		
		72M4Q1N		
		24M0Q1N		
		200KP0N		
		8M40P0N		
		80M0P0N		

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) Per US128 pulsed emissions are prohibited in the 10 - 10.5 GHz band.
- (4) 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.