

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

EXPERIMENTAL

(Nature of Service)

WE9XQX

(Call Sign)

XD FX

(Class of Station)

0038-EX-ST-2011

(File Number)

NAME Raytheon Company 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:

Frequency authorization is being requested for the period of February 15, 2011 to August 15, 2011 in the 9.3 GHz to 10 GHz band in order to demonstrate the operation of a prototype radar

Station Locations

- (1) Sudbury (MIDDLESEX), MA - NL 42-21-57; WL 71-25-56
- (2) Pelham (ROCKINGHAM), NH - NL 42-44-14; WL 71-21-16

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9300-10000 MHz	FX		149.4 MW (ERP)	
		21M8Q3N		
		27M0Q3N		
		424KP0N		
		6M36P0N		
		21M9Q1N		

This authorization effective February 23, 2011 and
will expire 3:00 A.M. EST August 15, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9300-10000 MHz	FX	21M8Q3N 27M0Q3N 424KP0N 6M36P0N 21M9Q1N	149.4 MW (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 Coast Guard concurs with this STA under the condition that Raytheon coordinates with the Coast Guard test coordinator, Jack McLaughlin, 617-223-8358 prior to the demonstration of this Radar system and agrees to terminate the demonstration if interference is experienced at Coast Guard sites within the area. Other Coast Guard numbers related to this STA are Command Duty Officer, 24 hour contact, Sector Boston Command Center 617-223-5757 and Sector Southeastern Command Center 508-457-3211.