

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WG9XSA

(Call Sign)

0556-EX-ST-2013

(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:

To demonstrate the operation of a prototype radar system.

Station Locations

(1) Sudbury (MIDDLESEX), MA - NL 42-21-57; WL 71-25-55

Frequency Information

Sudbury (MIDDLESEX), MA - NL 42-21-57; WL 71-25-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9151.25 MHz	FX	7M10Q3N	492 kW (ERP)	
9148.5 GHz	FX	4M70Q3N	492 kW (ERP)	

This authorization effective August 26, 2013 and
will expire 3:00 A.M. EST December 24, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA New England Coordinator, Burlington, MA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA New England Coordinator, Burlington, MA, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Raytheon must center radiation only at 147 degrees bore-sight as indicated in the documentation with horizontal/vertical planes as indicated.
- (5) Raytheon needs to be aware that this band is for Aeronautical Radio navigation and any other use is not allowed or allocated at this time.