

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WF9XFS

(Call Sign)

0646-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:
MSTAR Radar Demonstration

Station Locations

(1) Indianapolis, IN - NL 39-47-21; WL 86-03-46

Frequency Information

Indianapolis, IN - NL 39-47-21; WL 86-03-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.936 GHz	FX	11M5Q3N	25 kW (ERP)	
16.974 GHz	FX	12M2P0N	25 kW (ERP)	
17.012 GHz	FX	15M4M1N	25 kW (ERP)	

This authorization effective November 16, 2011 and
will expire 3:00 A.M. EST February 29, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Indianapolis, IN - NL 39-47-21; WL 86-03-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
17.049 GHz	FX	41M1P0N	25 kW (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 designated point-of-contact to terminate transmissions if interference occurs is Mr. Brian Valliere at 978-609-0990 or Mr. Robert Deprez at 317-408-7543.
- (4) The radar demonstration will utilize the requested frequencies of 16.936 GHz, 16.974 GHz, 17.012 GHz and 17.049 GHz and not radiate below 16.936 GHz or above 17.049 GHz as verified by Raytheon.