

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

EXPERIMENTAL

(Nature of Service)

WD9XEE

(Call Sign)

XC FX MO

(Class of Station)

0089-EX-ST-2011

(File Number)

NAME Goodrich Corporation, ISR 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:

Demonstration and verification of the free-space operating capability of a configuration of microwave RF equipment comprising a wide-band air-to-ground data link

Station Locations

- (1) Chelmsford (MIDDLESEX), MA - NL 42-35-30; WL 71-19-17; MOBILE: , within 0.02 km
- (2) Chelmsford (MIDDLESEX), MA - NL 42-35-31; WL 71-19-19; MOBILE: , within 0.05 km
- (3) Chelmsford (MIDDLESEX), MA - NL 42-35-31; WL 71-19-21

Frequency Information

Chelmsford (MIDDLESEX), MA - NL 42-35-30; WL 71-19-17; MOBILE: , within 0.02 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.7-14.825 GHz	FX	21M4G1D	122 mW (ERP)	0.14 %
14.7-14.825 GHz	MO	21M4G1D	8.4 mW (ERP)	0.14 %

This authorization effective February 21, 2011 and
will expire 3:00 A.M. EST March 15, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Chelmsford (MIDDLESEX), MA - NL 42-35-30; WL 71-19-17; MOBILE: , within 0.02 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.15-15.24375 GHz	FX	21M4G1D	870 mW (ERP)	0.14 %
15.24875-15.35 GHz	FX	21M4G1D	870 mW (ERP)	0.14 %

Chelmsford (MIDDLESEX), MA - NL 42-35-31; WL 71-19-19; MOBILE: , within 0.05 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.7-14.825 GHz	FX	21M4G1D	12.2 W (ERP)	0.14 %
14.7-14.825 GHz	MO	21M4G1D	840 mW (ERP)	0.14 %

Chelmsford (MIDDLESEX), MA - NL 42-35-31; WL 71-19-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.15-15.24375 GHz	FX	21M4G1D	87 W (ERP)	0.14 %
15.24875-15.35 GHz	FX	21M4G1D	87 W (ERP)	0.14 %

Special Conditions:

- (1) The Air Force requests that the Goodrich Corp. provide a real-time point of contact to Mr. Kevin McGrath at 781-377-7511 to resolve any EMI issues that may occur during the test.