

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

EXPERIMENTAL

(Nature of Service)

WG9XBL

(Call Sign)

XT FX MO

(Class of Station)

0835-EX-ST-2012

(File Number)

NAME Rockwell Collins, Inc.

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:

Test and experiment capability of Cognitive networked electronic warfare software system.

Station Locations

- (1) Butlerville, IN - NL 39-02-58; WL 85-31-43; MOBILE: Butlerville, IN, within 0.5 km, centered around NL 39-02-58; WL 85-31-43

Frequency Information

Butlerville, IN - NL 39-02-58; WL 85-31-43; MOBILE: Butlerville, IN, within 0.5 km, centered around NL 39-02-58; WL 85-31-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
144-148 MHz	MO	46K4F3E	7 W (ERP)	
462-467 MHz	MO	25K0F3E	4 W (ERP)	
1763.167-1841.833 MHz	FX	14M6G1D	27.1 W (ERP)	

This authorization effective November 04, 2012 and
will expire 3:00 A.M. EST November 09, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Butler, IN - NL 39-02-58; WL 85-31-43; MOBILE: Butler, IN, within 0.5 km, centered around NL 39-02-58; WL 85-31-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1763.167-1841.833 MHz	MO	14M6G1D	27.1 W (ERP)	
4.4-4.9 GHz	FX	18M5W1D	27.1 W (ERP)	
4.4-4.9 GHz	MO	18M5W1D	27.1 W (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) Rockwell Collins and the DOD need to be aware that use of the band 144-148 MHz in the United States will be impossible for the DOD to be licensed because this is a FCC band and not available to federal/DOD users for the band widths being requested.
- (3) Rockwell Collins and the DOD need to be aware that use of the band 462/467 MHz in the United States will be difficult for the DOD to be licensed because this is a FCC band and not always available to federal/DOD users.
- (4) Rockwell Collins and the DOD need to be aware that the band 1763-1841 MHz in the United States is under serious consideration for transfer to the FCC for 4G broadband use.