

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WB9XQU

(Call Sign)

0029-EX-ST-2006

(File Number)

NAME Raytheon Aircraft Company

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:

High Intensity Radiated Field (HIRF) testing on Raytheon Aircraft business jet.

Station Locations

- (1) Wichita (SEDGWICK), KS - NL 37-41-15; WL 97-13-15; MOBILE: Wichita (SEDGWICK), KS, within 2 km, centered around NL 37-41-15; WL 97-13-15

Frequency Information

Wichita (SEDGWICK), KS - NL 37-41-15; WL 97-13-15; MOBILE: Wichita (SEDGWICK), KS, within 2 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
505-2173 kHz	FX	N0N	15.2 W (ERP)	
2191-13660 kHz	FX	N0N	15.2 W (ERP)	
13410-25550 kHz	FX	N0N	15.2 W (ERP)	

This authorization effective February 02, 2006 and
will expire 3:00 A.M. EST July 02, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

Wichita (SEDGWICK), KS - NL 37-41-15; WL 97-13-15; MOBILE: Wichita (SEDGWICK), KS, within 2 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25670-29999.99 kHz	FX	N0N	15.2 W (ERP)	
30-38 MHz	FX	N0N	15.2 W (ERP)	
38.25-73 MHz	FX	N0N	15.2 W (ERP)	
74.6-108 MHz	FX	N0N	15.2 W (ERP)	
137-328.6 MHz	FX	N0N	15.2 W (ERP)	
335.4-406 MHz	FX	N0N	15.2 W (ERP)	
410-500 MHz	FX	N0N	15.2 W (ERP)	
500-608 MHz	FX	N0N	1.2 W (ERP)	
614-960 MHz	FX	N0N	1.2 W (ERP)	
1215-1400 MHz	FX	N0N	1.2 W (ERP)	

Frequency Information

Wichita (SEDGWICK), KS - NL 37-41-15; WL 97-13-15; MOBILE: Wichita (SEDGWICK), KS, within 2 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1427-1660.5 MHz	FX	N0N	1.2 W (ERP)	
1670-2690 MHz	FX	N0N	1.2 W (ERP)	
2700-4990 MHz	FX	N0N	1.2 W (ERP)	
5000-10680 MHz	FX	N0N	1.2 W (ERP)	
10700-15350 MHz	FX	N0N	1.2 W (ERP)	
15400-18000 MHz	FX	N0N	1.2 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) 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) Notch the following frequencies within plus or minus 12.5 kHz:

M414.5375; M413.875; M167.8625; M36.16; M460.6875; M460.7625; M460.8125;
M460.8625; M465.6625; M465.6875; M465.7375
M465.8375; M410; M414.325; M409.4; M410.95; M413.825; M39.58; M39.7;
M164.625; M169.825; M411.95; M411.975
M162.300; M165.7625; M243.000; M251.150; M255.400; M257.700; M257.800;
M257.975; M269.100; M270.250; M271.000;
M273.600; M279.500; M281.425; M282.600; M285.525; M285.625; M290.425;
M292.125; M292.175; M306.200; M307.075;
M307.900; M319.100; M323.200; M348.600; M351.950; M353.500; M353.900;
M363.000; M363.200; M370.850

Special Conditions:

- (4) Notch the following frequencies within plus or minus 5 kHz:

K281.51; K332.0; K383.51; K414.51

- (5) Notch the following frequencies within plus or minus 10 MHz:

M1227.6; M2750; M2778; M2870; M5603; M7160; M8210

- (6) Notch the following frequency within plus or minus 12 MHz:

M1575.42

- (7) No transmissions are permitted on the following maritime and aviation distress frequencies (in MHz w/100 kHz bandwidth):

156.8 MHz

243 MHz

- (8) Operation is subject to prior coordination with existing fixed microwave service (Part 101) licensees in accordance with CFR 47, Part 101.103(d). The minimum radius of coordination around the proposed transmitter should be 30 km.
- (9) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org. The minimum radius of coordination around the proposed transmitter should be 100 km for the requested bands below 500 MHz and 30 km for those bands above 500 MHz.