

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WB9XYG

(Call Sign)

0413-EX-ST-2004

(File Number)

NAME THE BOEING 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:

Testing the operational characteristics of commercial aircraft full scale antennas and validating aircraft antenna patterns using scale models at an open air test range.

Station Locations

(1) Algona (KING), WA - NL 47-16-33; WL 122-14-23

Frequency Information

Algona (KING), WA - NL 47-16-33; WL 122-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.8-1.232 GHz	FX	N0N	334 mW (ERP)	0.001 %
1.298-1.507 GHz	FX	N0N	500 mW (ERP)	0.001 %
1.625-1.661 GHz	FX	N0N	608 mW (ERP)	0.001 %
1.85-1.91 GHz	FX	N0N	804 mW (ERP)	0.001 %
1.93-1.99 GHz	FX	N0N	873 mW (ERP)	0.001 %
2.16-2.24 GHz	FX	N0N	1106 mW (ERP)	0.001 %
2.246-2.255 GHz	FX	N0N	1120 mW (ERP)	0.001 %
2.36-3.014 GHz	FX	N0N	2002 mW (ERP)	0.001 %
3.24-3.36 GHz	FX	N0N	2488 mW (ERP)	0.001 %
3.54-4.11 GHz	FX	N0N	3722 mW (ERP)	0.001 %
4.29-4.48 GHz	FX	N0N	1966 mW (ERP)	0.001 %
4.72-5.48 GHz	FX	N0N	2941 mW (ERP)	0.001 %

This authorization effective July 16, 2004 and
will expire 3:00 A.M. EST January 01, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Algona (KING), WA - NL 47-16-33; WL 122-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.58-6.7 GHz	FX	N0N	4396 mW (ERP)	0.001 %
7.238-7.37 GHz	FX	N0N	5319 mW (ERP)	0.001 %
9.3-9.631 GHz	FX	N0N	3525 mW (ERP)	0.001 %
9.834-9.856 GHz	FX	N0N	3692 mW (ERP)	0.001 %
9.87-10.05 GHz	FX	N0N	3839 mW (ERP)	0.001 %
10.55-10.57 GHz	FX	N0N	4246 mW (ERP)	0.001 %
11.33-12.7 GHz	FX	N0N	6130 mW (ERP)	0.001 %
13.16-13.43 GHz	FX	N0N	4416 mW (ERP)	0.001 %
16.98-17.02 GHz	FX	N0N	7092 mW (ERP)	0.001 %
17.88-18.27 GHz	FX	N0N	8172 mW (ERP)	0.001 %
18.68-18.72 GHz	FX	N0N	8580 mW (ERP)	0.001 %
19.18-19.22 GHz	FX	N0N	9044 mW (ERP)	0.001 %
19.67-19.71 GHz	FX	N0N	9511 mW (ERP)	0.001 %
20.6-21.8 GHz	FX	N0N	11635 mW (ERP)	0.001 %
22.66-23.98 GHz	FX	N0N	14079 mW (ERP)	0.001 %
24.38-24.42 GHz	FX	N0N	14600 mW (ERP)	0.001 %
25.47-25.53 GHz	FX	N0N	15958 mW (ERP)	0.001 %
26.82-26.88 GHz	FX	N0N	10060 mW (ERP)	0.001 %
28.77-28.83 GHz	FX	N0N	11572 mW (ERP)	0.001 %
30.9-33.22 GHz	FX	N0N	15365 mW (ERP)	0.001 %
33.96-34.04 GHz	FX	N0N	16133 mW (ERP)	0.001 %
35.75-36.54 GHz	FX	N0N	18589 mW (ERP)	0.001 %
36.57-36.63 GHz	FX	N0N	18681 mW (ERP)	0.001 %
38.36-38.44 GHz	FX	N0N	20573 mW (ERP)	0.001 %