

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

EXPERIMENTAL

(Nature of Service)

XD      FX

(Class of Station)

WC9XDG

(Call Sign)

0546-EX-ST-2005

(File Number)

NAME Boeing Company, The

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:**

The purpose of the testing is to facilitate engineering developmental and testing of (new) VHF and HF transceivers, ACARS Management Units, and Communications Management Units.

**Station Locations**

(1) Seattle (KING), WA - NL 47-32-05; WL 122-19-05

**Frequency Information**

Seattle (KING), WA - NL 47-32-05; WL 122-19-05

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 2878 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 2944 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 2947 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |

This authorization effective October 13, 2005 and  
will expire 3:00 A.M. EST April 14, 2006

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Seattle (KING), WA - NL 47-32-05; WL 122-19-05

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 2992 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 3001 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 3007 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 3019 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 3434 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 3497 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 4654 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 4672 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 4687 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 5463 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5508 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 5523 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 5529 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 5538 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 5544 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 5659 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 6646 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 6652 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 8927 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 8936 KHZ  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 10027 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 10081 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 10093 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 11288 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 11306 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 11312 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 11315 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 11327 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 11348 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 11354 kHz | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |

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|------------|---------------|---------------------|------------------|---------------------------|
| 13276 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 13339 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 17919 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 17934 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 21928 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 21931 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 21934 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 21937 kHz  | FX            | 2K80J2D             | 400 W (ERP)      | 0.0001 %                  |
| 131.55 MHz | FX            | 7K00A9X             | 50 W (ERP)       | 0.0005 %                  |
| 136.85 MHz | FX            | 7K00A9X             | 50 W (ERP)       | 0.0005 %                  |

Frequency Information

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| Frequency   | Station<br>Class | Emission<br>Designator | Authorized<br>Power | Frequency<br>Tolerance (+/-) |
|-------------|------------------|------------------------|---------------------|------------------------------|
| 136.975 MHz | FX               | 14K0G1D                | 50 W (ERP)          | 0.0005 %                     |