

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

KF2XJK
(Call Sign)

XE MO
(Class of station)

S-2441-EX-96
(File number)

NAME THE BOEING COMPANY

within 200 km radius of Glasgow, MT: 48-25-30 NL; 106-32-00 WL
(Location of station)

Special Temporary Authority is hereby granted to operate the radio transmitting apparatus described below:

Frequency (MHz)	Authorized Power (watts)	Emission Designator
1671	25 (output)	25K0G9W
1801	25 (output)	25K0G9W

Purpose of Operation: Certification tests as required by FAA.

Licensee should be aware that other stations are licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.

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 by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective May 17, 1996 and
will expire 3:00 A.M. EST. November 17, 1996



S-2448-EX-96

May 3, 1996
G-8930-GCB-137

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

BOEING

**TIMELY ACTION REQUIRED
LICENSE REQUIRED BY: MAY 16, 1996**

Subject: Request for Special Temporary Authorization (STA)

Gentlemen:

This request for a STA is submitted in accordance with the FCC Rules, Part 5.56.

1. Name and address:

The Boeing Company
Attn: Frequency Management, M/S 3U-AJ
P.O. Box 3707
Seattle, WA 98124-2207

- 2. Need for special action:** This STA is required to conduct flight test certification on the Terrestrial Flight Telephone System (TFTS). Currently we have an experimental license, KF2XJK, to conduct the ground tests. The FAA has required us to make at least one certification flight to test the system. Boeing has put in a modification to KF2XJK to add the flight test requirement but according to your office, you will not be able to act on our modification request before our first scheduled flight on May 16, 1996. For this reason we request a STA assignment to cover the time period until your office completes work on our proposal.

- 3. Type of operations:** 25 KHz bandwidth with an emission of G9W. Max power of 12 watts.

- 4. Purpose of operation:** To install, check out and certify the Terrestrial Flight Telephone System for our European Airline customers.

- 5. Time and date:** The tests will be conducted Intermittently, including weekends, 24 hours a day, 7 days a week. Each test requires one flight with one or two intermittent transmissions. These tests will be dependent upon the orders from our customers.

Date: May 16, 1996 until our request for modification is completed.

BOEING

6. **Class of station:** XR
Nature of Service: Experimental

7. **Location:** Within 200 Km of one of the following locations at a flight level not greater than 15,000 feet.

Paine Field, Everett, WA	47-54-12	122-17-12
Boeing Field, Seattle, WA	47-32-12	122-18-44
Renton, WA	47-30-03	122-12-22
Spokane, WA	47-30-30	117-32-00
Moses Lake, WA	47-12-10	119-17-49
Remond, WA	47-40-24	122-08-06
Glasgow, MT	48-25-30	106-32-00

8. **Equipment**

Manufacturer:	Model Number:	Number of units:
GEC Marconi	Modem Processor Unit	1
GEC Marconi	Transmitter/Receiver	1
GEC Marconi	Diplexer	1
GEC Marconi	Antenna	1

9. **Frequency(ies) desired:** 1670-1675 MHz and 1800-1805 MHz

10. **Power Output to Antenna:** 25 Watts
Antenna Gain: 0 dBi

11. **Emission:** 25K0G9W

12. **Antenna Height:** On board aircraft
Antenna Type: Flat plane
Gain: Unknown
Beamwidth: Unknown
Polarization: V

Should you require additional information be required, please contact Gerry Broerman at (206) 657-6420

J. H. Rognaby

J. H. Rognaby
Frequency Manager
(206) 657-6095

Enclosures:
FCC Form 159
Check #: 011843

FEDERAL COMMUNICATIONS COMMISSION
FCC REMITTANCE ADVICE

Approved by OMB
3060-0589
Expires 2/28/97

PAGE NO. 1 OF

(RESERVED)

SPECIAL USE

FCC/MELLON

MAY 06 1996

FCC USE ONLY

(Read instructions carefully BEFORE proceeding.)

PAYOR INFORMATION

(1) FCC ACCOUNT NUMBER
2 0 6 6 5 7 6 4 1 1
Did you have a number prior to this? Enter it.
(2) TOTAL AMOUNT PAID (dollars and cents)
\$ 45.00

(3) PAYOR NAME (If paying by credit card, enter name exactly as it appears on your card)

The Boeing Company

(4) STREET ADDRESS LINE NO. 1

Attn: Frequency Manager M/S 3U-AJ

(5) STREET ADDRESS LINE NO. 2

P.O. Box 3707

(6) CITY
Seattle

(7) STATE
WA

(8) ZIP CODE
98124-2207

(9) DAYTIME TELEPHONE NUMBER (Include area code)
(206) 657-6420

(10) COUNTRY CODE (if not U.S.A.)

ITEM #1 INFORMATION

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

The Boeing Company

FCC USE ONLY

(12A) FCC CALL SIGN/OTHER ID

(13A) ZIP CODE

(14A) PAYMENT TYPE CODE

E A E

(15A) QUANTITY

1

(16A) FEE DUE FOR
PAYMENT TYPE CODE
IN BLOCK 14
\$45.00

(17A) FCC CODE 1

(18A) FCC CODE 2

(19) ADDRESS LINE NO. 1

(20A) ADDRESS LINE NO. 2

(21A) CITY/STATE OR COUNTRY CODE

ITEM #2 INFORMATION

(11B) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

FCC USE ONLY

(12B) FCC CALL SIGN/OTHER ID

(13B) ZIP CODE

(14B) PAYMENT TYPE CODE

(15B) QUANTITY

(16B) FEE DUE FOR
PAYMENT TYPE CODE
IN BLOCK 14
\$

(17B) FCC CODE 1

(18B) FCC CODE 2

(19B) ADDRESS LINE NO. 1

(20B) ADDRESS LINE NO. 2

(21B) CITY/STATE OR COUNTRY CODE

CREDIT CARD PAYMENT INFORMATION

(22) MASTERCARD/VISA ACCOUNT NUMBER:

☐ Mastercard

EXPIRATION DATE:

Month Year

☐ Visa

(23) I hereby authorize the FCC to charge my VISA or Mastercard
for the service(s)/authorization(s) herein describe.

AUTHORIZED SIGNATURE

DATE

FACSIMILE MESSAGE

FACSIMILE MESSAGE

FACSIMILE MESSAGE



**FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF ENGINEERING AND TECHNOLOGY**

2000 M STREET, N.W., SUITE 230
WASHINGTON, D.C. 20554

May 17, 1996 10 41 am

FROM: Carl Huie

Telephone: (202) 418-2430
Fax #: (202) 418-1918

TO:

Name: J. H. Rogneby/Gerry Broerman
Organization: The Boeing Company
Telephone: (206) 657-6095/6420
Fax #: (206) 657-6900

This cover sheet is page 1 of 2 pages

COMMENTS:

License in mail.