

**Original Application for Equipment  
Authorization**

Rockwell International Corporation  
Washington Office  
1745 Jefferson Davis Highway  
Arlington, Virginia 22202



July 21, 1994

Federal Communications Commission  
Equipment Approval Services  
P.O. Box 358315  
Pittsburgh, PA 15251-5315

Re: Equipment Authorization Under Part 87  
Change in FCC Identification Pursuant to Section 2.933  
VHF-700A Transceiver

Gentlemen:

Enclosed on behalf of Rockwell International is an Application for Type Acceptance on Form 731. The application seeks only a change in FCC identification for the Rockwell VHF-700A Transceiver. The new FCC ID for this product is AJKPN822-0693; the previous FCC ID was AJK9URPN622-5219, granted originally on June 29, 1981 and subsequently modified on August 27, 1982. The change in the equipment necessitating a new FCC ID is a Class I permissive change and the change in the FCC identifier is requested in order to maintain continuity between the Rockwell part numbers and FCC identifiers. Pursuant to Section 2.933 of the Commission's Rules we have enclosed a completed FCC Form 731, a statement pursuant to Sub-Section 2.933(b) and the required drawings/photograph of the nameplate that bears the new FCC ID and its relative size and position.

Also enclosed is Rockwell's check for \$425.00 to cover the processing fee. It is requested that a date-stamped copy of the filing be returned to the undersigned. A courtesy copy of the filing as well as a stamped return envelop is provided for this purpose.

Your early consideration of the Application is respectfully requested. Please address all inquiries to the undersigned.

Respectfully submitted,



Linda C. Sadler  
Manager, Governmental Affairs  
703-412-6696

FCC FORM 731  
APPLICATION FOR EQUIPMENT AUTHORIZATION

See 47 CFR 1.1103 for FEE TYPE CODES and FEES, and paragraph C of the attached instructions.

**SECTION I - ALL ITEMS IN THIS SECTION MUST BE COMPLETED**

APPLICANT'S FULL BUSINESS NAME

Rockwell International Corp.

APPLICANT'S MAILING ADDRESS (Line 1) (Maximum 35 characters)

Attention: Linda C. Sadler

APPLICANT'S MAILING ADDRESS (Line 2) (if required) (Maximum 35 characters)

1745 Jefferson Davis Highway

CITY

Arlington

STATE OR COUNTRY (if foreign address)

VA

ZIP CODE

22202

COMPLETE FCC IDENTIFIER:

GRANTEE CODE

A

J

K

EQUIPMENT PRODUCT CODE (14 characters maximum)

PN822-0693

Enter in Column (A) the correct Fee Type Code for the service for which you are applying. Fee Type Codes may be found in FCC Fee Filing Guides and paragraph C of attached instructions. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number entered in Column (B).

	(A) FEE TYPE CODE	(B) FEE MULTIPLE	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(1)	E   F   T	0   0   0   1	\$ 425.00	

**SECTION II - Use only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.**

	(A) FEE TYPE CODE	(B) FEE MULTIPLE	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(2)		0   0   0   1	\$	
(3)		0   0   0   1	\$	
(4)		0   0   0   1	\$	
ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (4), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.			TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING \$ 425.00	FOR FCC USE ONLY

(5) NAME AND TITLE OF PERSON AT ABOVE ADDRESS FOR CONTACT, OR TO RECEIVE GRANT (THIS ITEM MUST BE COMPLETED):

Linda C. Sadler, Manager, Government Affairs

## SECTION III

Bureau Use Only

1.(a) INSTEAD OF APPLICANT, FCC IS AUTHORIZED TO MAIL ORIGINAL GRANT TO (See instructions):

Firm name,  
number, street,  
city,  
state,  
and ZIP Code

NA

LI

DN

DM

(b) NAME AND TITLE OF PERSON AT ABOVE ADDRESS TO RECEIVE GRANT:

NA

RG

2. INFORMATION CONTACT, IF DIFFERENT FROM ITEM 5, PAGE 1 (See instructions):

Firm name,  
contact person,  
number, street,  
city,  
state,  
and ZIP Code

NA

Code

Reviewer

3.(a) TELEPHONE NUMBER (include area code and extension - USA ONLY):

NA

3.(b) FAX NUMBER (include area code and extension - USA ONLY):

NA

4. Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR 0.459 of the Commission's Rules? (See instructions)

 Yes No

5. Does the applicant desire the Commission to defer grant of this application pursuant to 47 CFR 0.457(d)(1)(ii)? (See instructions)

 Yes No

6. Kind of equipment authorization requested (check ONE box only):

 Certification Type Acceptance Type Approval Notification

7.(a) Kind of equipment:

VHF Transceiver

(b) Equipment will be operated under FCC Rule Part(s):

87

8. Application is for (Check ONE box only):

 1 Original equipment 2 Change in identification of presently authorized equipment \* 3 Class II permissive change or modification of presently authorized equipment9.(a) FCC ID before change in identification:  
AJK9URPN622-5219

(b) Grant date of FCC ID in 9(a) above:

August 27, 1982

\* If box 2 is checked, complete items 9(a) and (b).

10. EQUIPMENT SPECIFICATIONS:

(a) Frequency range in MHz

(b) Rated RF power output in watts

(c) Frequency tolerance % , Hz, ppm

(d) Emission designator

(e) Microprocessor model number

118-137 MHz

30W

.002

6A3  
13A98048  
Microprocessor

11. Type of equipment tested:

 Production Pre-Production Prototype

12.(a) Is the equipment, or section(s) thereof, subject to more than one equipment authorization?

 Yes No

If YES, complete items 12(b), (c), (d), or (e) as appropriate.

(b) Additional equipment authorization(s) required for equipment:

 Certification Type Acceptance Type Approval Notification

(c) Granted FCC ID or FCC ID listed on RX or RX section application:

(d) Granted FCC ID or FCC ID listed on TX or TX section application:

(e) Granted FCC ID or FCC ID listed on other device application:

13.(a) Testing facility, if different from applicant or contact person:

NA

(b) Mailing address  
number, street  
city,  
state  
and ZIP code

NA

(c) Telephone No. (Area code and number):  
(USA ONLY)

(d) FAX No. (Area code and number):  
(USA ONLY)

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).**

14. APPLICANT ANTI-DRUG ABUSE CERTIFICATION:

By checking **yes**, the applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits, that includes FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 853(a), or, in the case of a non-individual applicant (e.g. corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits, that includes FCC benefits, pursuant to that section. For the definition of a "party" for these purposes, see 47 CFR 1.2002(b).

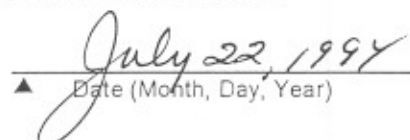
Yes  No

15. APPLICANT CERTIFICATION:

I certify that I am authorized to sign for the applicant and that all the statements in this application and in the exhibits attached hereto are true and correct to the best of my knowledge and belief. If the applicant is not the actual manufacturer of the equipment listed herein, appropriate arrangements have been made with the manufacturer to ensure that production units of this equipment bearing the FCC IDENTIFIER listed in this application will continue to comply with the Commission's requirements. If an agent has been authorized to sign this application it is understood that the applicant remains responsible for all statements herein.



▲ Written signature of authorized signer



▲ Date (Month, Day, Year)

Linda C. Sadler

▲ Typed/printed name of authorized signer

Manager, Government Affairs

▲ Title of authorized signer

16.(a) AGENT CERTIFICATION:

I certify that I am authorized to sign this application on behalf of the applicant. A copy of the authorization will be submitted upon request by the FCC. It is understood that the FCC reserves the right to contact the applicant at any time.

▲ Written signature of authorized agent

▲ Date (Month, Day, Year)

▲ Typed/printed name and title of authorized agent

▲ Business name of authorized agent

(b) Agent address  
number, street  
city,  
state  
and ZIP code

(c) Telephone No. (Area code and number):  
(USA ONLY)

(d) FAX No. (Area code and number):  
(USA ONLY)

**NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT OF 1974 AND THE PAPERWORK REDUCTION ACT OF 1980**

The solicitation of personal information requested in this form is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to evaluate the equipment, to maintain a computer database of authorized equipment, and to determine whether grant of this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. All information provided in this form will be available for public inspection, unless otherwise determined pursuant to 47 CFR, Section 0.459; 5 U.S.C. Section 552. If information requested in this form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to the Commission's Rules. Your response is required to obtain the requested equipment authorization. THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

Public reporting burden for this collection of information is estimated to vary from 18 hours to 30 hours per response, with an average of 24 hours per response, including time for reviewing instructions, searching existing data sources, gathering information and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any aspect of this collection of information, including suggestions for reducing this burden, to Federal Communications Commission, AMD-PIRS, Records Management Division, Washington, DC 20554, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (3060-0057), Washington, DC 20503.

LIST OF EXHIBITS

Part 2.933(b) Statement

Picture of Equipment Demonstrating  
Size and Placement of Nameplate

Drawing of Nameplate Showing FCC ID

Drawing of Equipment Demonstrating  
Size and Placement of Nameplate

Part 2.933(b) Statement

Pursuant to Section 2.933(b) of the Commission's rules, Rockwell International hereby provides the following information in support of this Application for Change in FCC Identification:

- 1) The original identification used on the equipment is FCC ID: AJK9URPN622-5219.
- 2) The original Grant of Equipment Authorization was issued on June 29, 1981 and subsequently modified to include an additional emission designator on August 27, 1982.
- 3) No type approval number was assigned to the equipment.
- 4) The equipment, the Collins VHF-700A Transceiver (FCC ID: AJKPN822-0693) is electrically identical to the original equipment, the Collins VHF-700 Transceiver (FCC ID: AJK9URPN622-5219). The VHF-700A Transceiver is modified to meet the requirements for FM immunity as defined in ICAO Annex 10. To this end, a filter is added in the receiver front end. In addition the gain of the IF section is increased by changing the value of a resistor to compensate for the resulting sensitivity loss. These improvements are hardware changes and do not effect the transceiver's software. Because the change is minor and confined to the receiver component of the Type Accepted equipment it qualifies as a Class I permissive change. We are requesting authorization of a new FCC Identifier for the modified transceiver in order to maintain congruency between the Rockwell Part Number and the FCC Identifier.
- 5) All data submitted to the Commission on the AJK9URPN622-5219 equipment prior to this application continues to be representative of and applicable to the equipment bearing the changed FCC identification.
- 6) A drawing of the new nameplate and both a photograph and a drawing depicting the nameplate's relative size and position on the equipment are attached.

Part 2.933(b) Statement

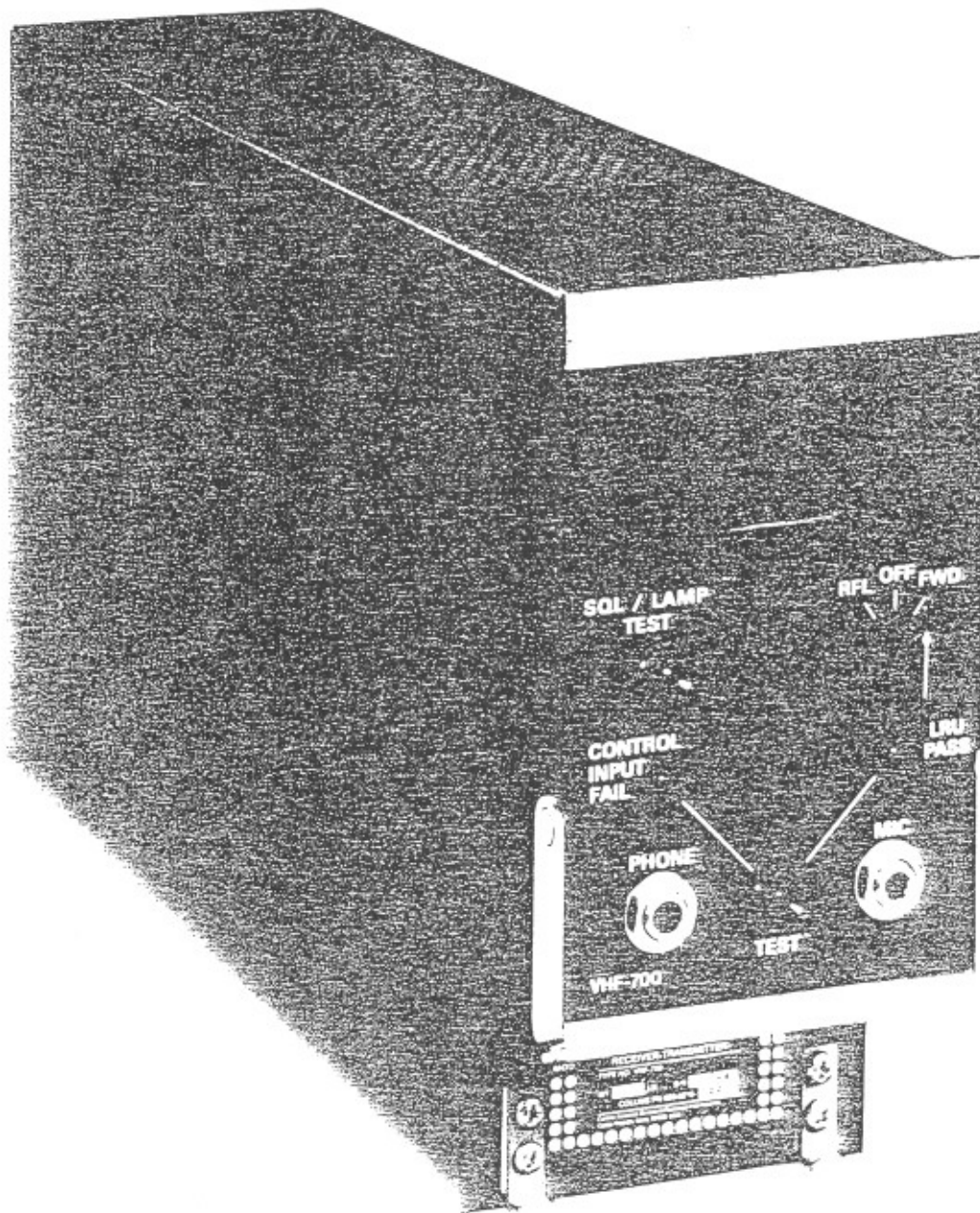
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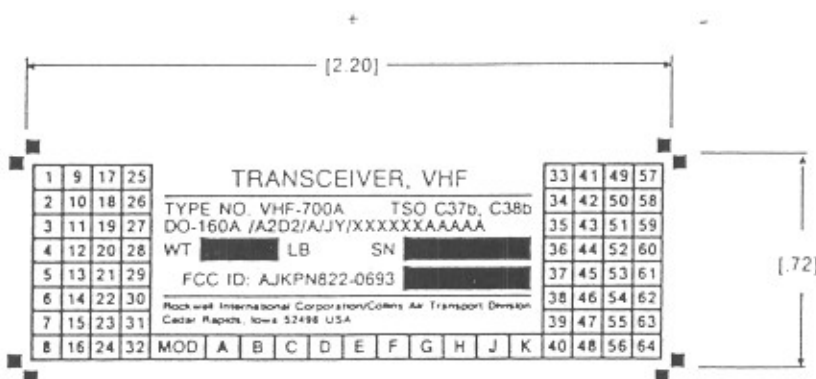
NOTE:

The equipment in this photograph bears the VHF-700 nameplate and is included in this application only to demonstrate the size and relative placement of the nameplate for the VHF-700A. See the enclosed drawing of the actual nameplate on the next page.



VHF-700A  
FCC ID: AJKPN822-0693

NOTE: FABRICATE IN ACCORDANCE WITH 757-5163-001

685-7326-001 

UNDIMENSIONED DRAWING

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETRES [INCHES]

## METRIC

TOL ON METRIC DIM:  
DIM X = ±0.5  
HOLE DIA = ±0.13

## US CUSTOMARY [ ]

TOL ON [ ] DIM:  
DEC DIM XX = ±.02  
HOLE DIA = ±.005

## NOTE

COPIES OF THIS DRAWING  
UNLESS ON STABLE BASE MAT'L  
ARE FOR REFERENCE ONLY

PART SHALL COMPLY TO 580-5400-001

ROCKWELL INTERNATIONAL CORPORATION  
COLLINS DIVISIONS

DALLAS, TEX 75207    NEWPORT BEACH, CALIF 92663    CEDAR RAPIDS, IA 52498

PREP MICRO 5 20-MAY-94

SIZE

A

CAGE CODE

4V792

DWG NO.

685-7326

REV

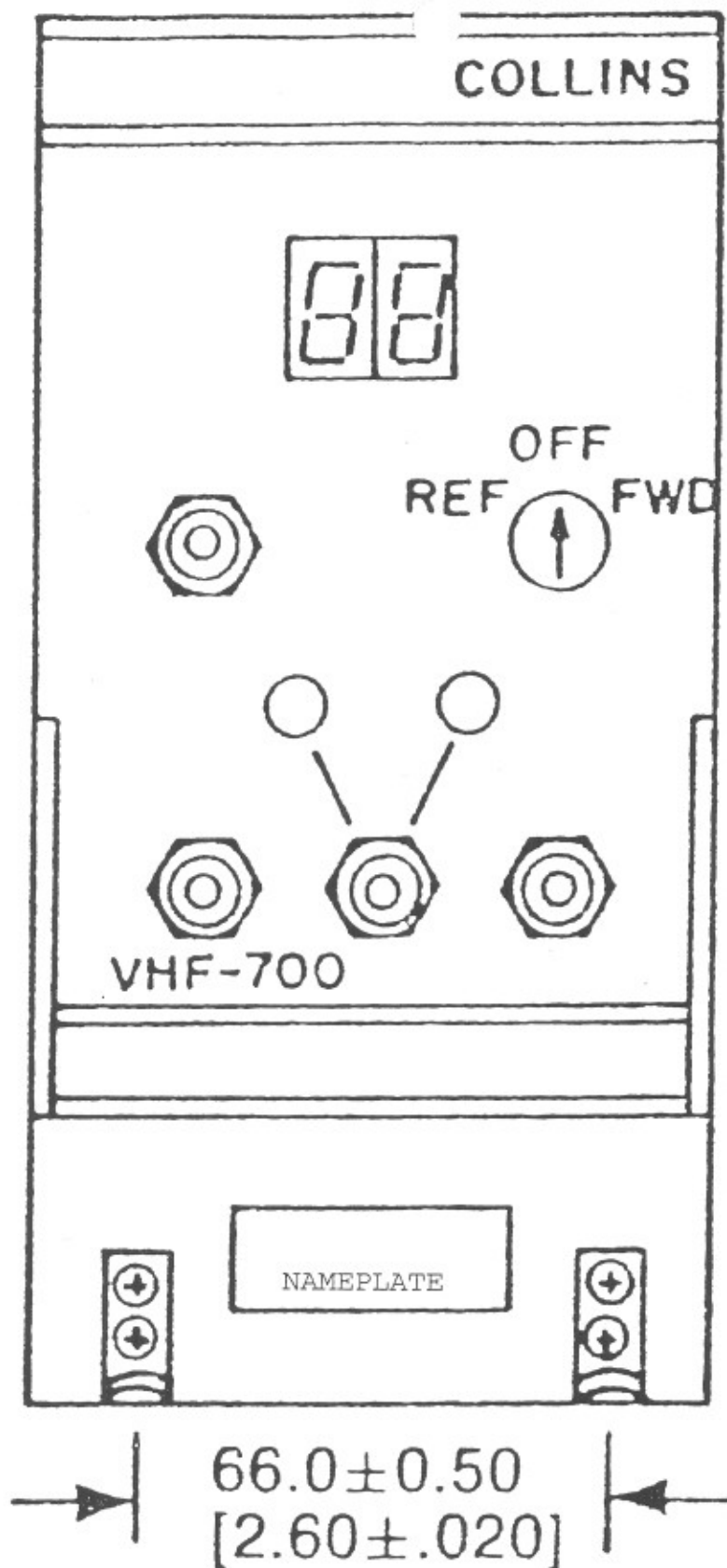
LTR

CHK L. LYNCH 20-MAY-94

SCALE 2/1

SHEET 3

VHF-700A  
FCC ID: AJKPN822-0693



Note: This drawing is included to show the relative size and placement of the nameplate for the VHF-700A. See the previous page for a drawing of the actual nameplate.

VHF-700A

FCC ID: AJKPN822-0693