

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

EXPERIMENTAL
(Nature of Service)

K12XDD
(Call Sign)

XD FX
(Class of station)

S-2970-EX-97
(File number)

NAME RAYTHEON SERVICE COMPANY

McKinney, TX: within 1219 meters of; 33-12-58 NL, 96-39-27 WL
(Location of station)

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

Frequency (MHz)	Authorized Power (ERP)	Emission Designator
9200-10000	31.7 MW	75M0P0N

Purpose of Operation: Test, development, and demonstrations of radar.

Special Conditions: In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

The station identification requirements of Section 5.152 of the Commission's Rules are waived.

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 June 30, 1997 and
will expire 3:00 A.M. EST. November 1, 1997



5-2970-EX-97
K12XDD

WILEY, REIN & FIELDING

1776 K STREET, N.W.
WASHINGTON, D. C. 20006
(202) 429-7000

DAVID E. HILLIARD
(202) 429-7058

July 14, 1997

FACSIMILE
(202) 429-7049

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

Re: Raytheon Service Company
Request for Special Temporary Authority

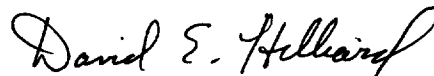
To the Commission:

As a courtesy to Raytheon Service Company, transmitted herewith is a request for special temporary authority ("STA") to operate experimental facilities.

Also enclosed is a check for \$45.00 to cover the FCC's filing fee (Fee Type Code "EAE"), along with a Form 159.

If you have any questions, please call me at (202) 429-7058 or Kurt E. DeSoto at (202) 429-7235.

Respectfully submitted,



David E. Hilliard

Enclosures

Raytheon Service Company

**c/o Raytheon Company, Government Programs
1215 Jefferson Davis Highway, Suite 1500
Arlington, VA 22202
(703) 416-5837
(703) 416-5916 (Facsimile)**

July 10, 1997

**VIA OVERNIGHT DELIVERY
SENT THROUGH PITTSBURGH**

Mr. Paul Marrangoni
Chief, Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
2000 M Street, N.W., Suite 480
Washington, D.C. 20554

Care of:

Mellon Bank
Three Mellon Bank Center
525 William Penn Way
27th Floor, Room 153-2713
Pittsburgh, PA 15259-0001
ATTN: Federal Communications Commission
Wholesale Lockbox Shift Supervisor

**Re: Request for Special Temporary Authority
Office of Engineering and Technology**

Dear Mr. Marrangoni:

Pursuant to Section 5.56 of the Commission's Rules, 47 C.F.R. §5.56 (1996), Raytheon Service Company ("Raytheon"), a wholly-owned subsidiary of Raytheon Company, requests special temporary authority ("STA") to operate the facilities covered by the Experimental Radio Service license issued to Texas Instruments Incorporated under call sign KI2XDD. A copy of this authorization is attached hereto.

Please note that Raytheon, on June 26, 1997, filed a single request for STA to operate the facilities covered by the Experimental Radio Service licenses issued to Texas Instruments under

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call signs KA2XPF, WA2XFR, and KI2XDD, which was granted on June 30, 1997. Raytheon, however, was subsequently informed by the Commission's staff that a separate STA request should be filed for each call sign. An STA request for call sign WA2XFR is being filed concurrently. Thus, with these two additional filings, the Commission's records will reflect one application per call sign.

The radio facilities covered by this STA request have heretofore been employed by Texas Instruments primarily in connection with the development and testing of radio technology and equipment by the TI Defense Systems Group, which performs work for the United States Department of Defense and for defense contractors. The assets of the Defense Systems Group are being sold to Raytheon. The STA requested herein is needed in order to avoid disruptions in the ongoing work of this group in the development of electronic systems for use by the United States military.

In accordance with the FCC's Fee Schedule (Fee Code EAE), a check for \$45 is enclosed.

In support of this request, the following is shown:

1) Applicant's Name and Address:

Raytheon Service Company
c/o Raytheon Company, Government Programs
1215 Jefferson Davis Highway, Suite 1500
Arlington, VA 22202
ATTENTION: Elizabeth D. Shipyan

Tel. 703-416-5837
Fax 703-416-5916

2) Need for Special Action:

As discussed above, the need for special action has arisen because of the impending closing of the sale of certain assets used in the development of defense electronic systems. Once it became clear that the sale was to receive approval from the Justice Department, the parties determined that it would be in the best interests of the employees, shareholders, and customers of the business units involved to work to close the transaction in order to minimize further disruptions associated with such a transaction. Although this was to have occurred on June 30, 1997, it has had to be postponed temporarily. An application seeking Commission approval for assignment of the license noted above has been filed.

3) Type of Operation:

Operation is normally intermittent.

4) Purpose of Operation:

Operations are conducted for the purpose of testing electronic systems designed primarily for defense applications.

5) Date of Operation:

06/30/97 through 10/31/97

6) Class of Station:

Experimental.

7) Location of Proposed Operation:

McKinney, Texas, area as shown in the attached authorization.

8) Equipment to be Used:

Experimental equipment under development by the Texas Instruments Defense Systems Group, the assets of which are to be sold to Raytheon.

9) Frequencies Desired:

As set forth on the attached license.

10) Radiated Power:

As set forth on the attached license.

11) Transmitter Power:

Consistent with the powers authorized on the attached authorization.

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12) Type of Emission:

As set forth in the attached authorization.

13) Overall Height of Antenna Above Ground:

As permitted in the attached authorization.

14) Anti-Drug Abuse Certification

In accordance with Section 1.2002 of the Commission's Rules, 47 C.F.R. § 1.2002 (1996), Raytheon Service Company hereby certifies that it, its officers and directors, and any party with a 5 percent or greater interest in this request for special temporary authority is not subject to a denial of the Federal benefits requested herein pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 853(a).

Sincerely,



Elizabeth D. Shipyan
FCC Coordinator

Attachments

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

June 30, 1997 1 13 pm

FROM: Carl Huie

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

TO:

Name: David E. Hilliard
Organization: WILEY, REIN & FIELDING
Telephone: (202) 429-7058 X
Fax #: (202) 429-7049

This cover sheet is page 1 of 4 pages

COMMENTS:

Authorizations will be mailed to Raytheon after receipt of original applications.