

Exhibit Attachment "A"

**Federal Communications Commission
Washington, D.C. 20554**

October 3, 1996

KK2XHI
LICENSE
(Expired)

Ms Elizabeth Shipyan
Raytheon Service Company
1215 Jefferson Davis Highway, Suite 1500
Arlington, VA 22202

GRANT-IN-PART

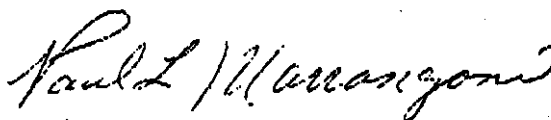
Dear Ms Shipyan:

This refers to applications, File Nos. 3847-EX-MR-93 and 9002-EX-R-94, for Experimental Radio Station KK2XHI.

The enclosed authorization shall be considered as a grant of the referenced application unless rejected by a written notice within thirty (30) days from the date of this letter, whereupon the enclosed grant will be vacated. Such rejection should include a statement of the reasons, if any, why the applicant believes that his application should be granted in accordance with the terms requested therein.

You are advised that the Commission was unable to make the finding that public interest, convenience and necessity would be served by a grant of the application in the manner requested. Frequency bands requested in the application but not listed in license were rejected because of potential interference to existing services.

Sincerely,



Paul L. Marrangoni
Chief
Experimental Licensing Branch

Attachment

Pg 1 of 5 Exhibit A

ATTN: E. SHIPYAN, 1215 JEFFERSON DAVIS HWY, # 1500, ARLINGTON, VA 22202

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL

(Nature of Service)

KK2XHI

(Call Sign)

XC FX

(Class of Station)

9002-EX-R-94

(File Number)

NAME RAYTHEON SERVICE COMPANYGOLETA, (SANTA BARBARA) CA - NL 34-25-30; WL 119-50-45

(Location of Station)

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Frequency	Class	Emission	Authorized
	Stn	Designator	Power watts

See Attached Page 3

Operation: In accordance with Sec. 5.202(b) of the Commission's Rules.

Special Conditions:

See Attached Page 2

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This authorization effective August 1, 1994 and
will expire 3:00 A.M. EST June 1, 1998

FEDERAL
COMMUNICATIONS
COMMISSION



RAYTHEON SERVICE COMPANY

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KK2XH1

9002-EX-R-94

Special Conditions:

- see Ex. B.*
- Sidekick - V4*
- V3 CLQ-3*
- ITEM*
- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
 - (2) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NAVAL AIR SYSTEM COMMAND Contract No. N00024-93-C-5436, NAVAL AIR SYSTEM COMMAND Contract No. N00024-93-C-6480 & NAVAL AIR SYSTEM COMMAND Contract No. N68786-93-C-6493. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
 - (3) Operations on 180-186 MHz shall cease when TV station, Channel 8-Santa Barbara, CA (K08LJ), commences service.

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Frequency MHz	Class Stn	Emission Designator	Authorized Power watts
54.00000-			
60.00000	FX	NON	100W (ERP)
66.00000-			
72.00000	FX	NON	100W (ERP)
76.00000-			
88.00000	FX	12MOPON	100W (ERP)
	FX	NON	100W (ERP)
149.90000-			
150.80000	FX	NON	100W (ERP)
174.00000-			
204.00000	FX	20MOPON	100W (ERP)
	FX	NON	100W (ERP)
210.00000-			
218.00000	FX	NON	100W (ERP)
420.00000-			
450.00000	FX	20MOPON	100W (ERP)
	FX	NON	100W (ERP)
902.00000-			
928.00000	FX	100HALA	2K (ERP)
	FX	26MOPSW	2K (ERP)
	FX	26MOPON	2K (ERP)
1535.00000-			
1660.00000	FX	100HALA	2K (ERP)
	FX	50MOPSW	2K (ERP)
	FX	50MOPON	2K (ERP)
1670.00000-			
1850.00000	FX	100HALA	2K (ERP)
	FX	50MOPSW	2K (ERP)
	FX	50MOPON	2K (ERP)
2200.00000-			
2450.00000	FX	100HALA	20K (ERP)
	FX	50MOPSW	20K (ERP)
	FX	50MOPON	20K (ERP)
2900.00000-			
3700.00000	FX	100HALA	20K (ERP)
	FX	50MOPSW	20K (ERP)
	FX	50MOPON	20K (ERP)
4400.00000-			
4990.00000	FX	100HALA	20K (ERP)
	FX	50MOPSW	20K (ERP)
	FX	50MOPON	20K (ERP)
5250.00000-			
5600.00000	FX	100HALA	20K (ERP)
	FX	50MOPSW	20K (ERP)

93 GHz
ND
1.5 GHz

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Exhibit A

Frequency MHz	Class Stn	Emission Designator	Authorized Power watts
	FX	50MOPON	20K (ERP)
5650.00000-			
5.9 GHz ND 5925.00000	FX	100HALA	20K (ERP)
	FX	50MOPON	20K (ERP)
	FX	50MOPON	20K (ERP)
8-4 GHz 8400.00000-			
9000.00000	FX	100HALA	20K (ERP)
	FX	50MOPON	20K (ERP)
	FX	50MOPON	20K (ERP)
9200.00000-			
10 GHz ND 10000.00000	FX	100HALA	20K (ERP)
	FX	50MOPON	20K (ERP)
	FX	50MOPON	20K (ERP)
13-15 GHz 13250.00000-			
14510.00000	FX	100HALA	20K (ERP)
	FX	50MOPON	20K (ERP)
	FX	50MOPON	20K (ERP)
15400.00000-			
17.7 GHz ND 17700.00000	FX	100HALA	20K (ERP)
	FX	50MOPON	20K (ERP)
	FX	50MOPON	20K (ERP)

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Exhibit B

RAYTHEON Goleta Government Contract Requirements

The request for liscense to replace expired FCC liscense KK2XHI is for the express purpose of fulfilling government contract requirements. Ongoing contracts at Raytheon are shown below;

- 1) SLQ-32 Sidekick US Navy Contract number N00024-93-C-5436
- 2) IEM US Navy Contract number N68786-93-C-6493
- 3) ALE-50 US Air Force Contract number F33657-96-C-0036
- 4) ALQ-184(V9) US Air Force Contract number F33657-96-C-0007
- 5) ALQ-161 US Air Force Contract number F09603-96-D-0124
- 6) ALQ-172 US Air Force Contract number F09603-96-D-0218

These are ongoing programs that are in various stages of production.

Kevin C. Higgins 11/18/98.