

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

KO2XGT
(Call Sign)

XD FX.MO
(Class of station)

S-2590-EX-96
(File number)

NAME HARRIS CORPORATION - FARINON DIVISION

nationwide
(Location of station)

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

(see page 2 for particulars)

Special Conditions:

- (1) Licensee is required to coordinate operations with other licensees to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.152 of the Commission's Rules are waived.
- (4) The authorized power and emission shall be as authorized in Parts 21, 22, 24, 25, 74, 78, 90, 94, and 95 of the Commission's Rules.

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 August 23, 1996 and will expire 3:00 A.M. EST. February 23, 1997



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Frequency (MHz)	Authorized Power	Emission Designator
824 - 849	xxx	xxxxXXX
869 - 894	xxx	xxxxXXX
928 - 929	xxx	xxxxXXX
932 - 935	xxx	xxxxXXX
941 - 944	xxx	xxxxXXX
952 - 960	xxx	xxxxXXX
1850 - 1910	xxx	xxxxXXX
1930 - 1990	xxx	xxxxXXX
1990 - 2200	xxx	xxxxXXX
2450 - 2483.5	xxx	xxxxXXX
3700 - 4200	xxx	xxxxXXX
5925 - 7125	xxx	xxxxXXX
10550 - 10680	xxx	xxxxXXX
10700 - 11700	xxx	xxxxXXX
12200 - 13250	xxx	xxxxXXX
17700 - 19700	xxx	xxxxXXX
21200 - 23600	xxx	xxxxXXX
27500 - 29500	xxx	xxxxXXX
31000 - 31300	xxx	xxxxXXX
37000 - 40000	xxx	xxxxXXX

S 2590-EX 76

ANN BAVENDER*
KAREN L. CASSER*
ANNE GOODWIN CRUMP*
VINCENT J. CURTIS, JR.
RICHARD J. ESTEVEZ
PAUL J. FELDMAN*
ERIC FISHMAN*
RICHARD HILDRETH
FRANK R. JAZZO
ANDREW S. KERSTING*
KATHRYN A. KLEIMAN
EUGENE M. LAWSON, JR.
HARRY C. MARTIN
GEORGE PETRUTSAS
LEONARD R. RAISH
JAMES P. RILEY
KATHLEEN VICTORY*
HOWARD M. WEISS
*NOT ADMITTED IN VIRGINIA

FLETCHER, HEALD & HILDRETH, P.L.C.

ATTORNEYS AT LAW
11th FLOOR, 1300 NORTH 17th STREET
ROSSLYN, VIRGINIA 22209-3801

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FRANK U. FLETCHER
(1939-1985)
ROBERT L. HEALD
(1956-1983)
PAUL D. P. SPEARMAN
(1936-1982)
FRANK ROBERSON
(1936-1961)
RUSSELL ROWELL
(1948-1977)
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EDWARD F. KENEHAN
CONSULTANT FOR INTERNATIONAL AND
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SHELDON J. KRYS
U. S. AMBASSADOR (ret.)
OF COUNSEL
EDWARD A. CAINE*
WRITER'S NUMBER
(703) 812-

0429

August 9, 1996

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

Re: Harris Corporation-Farinon Division
Request for Experimental STA

Dear Sir/Madam:

On behalf of Harris Corporation-Farinon Division, the Commission is requested to grant a 90-day special temporary authorization for the facilities described in Attachment A.

Attachment A is a copy of the license for experimental Station K02XGT. Inadvertently, the license for the station was allowed to expire before applying for its renewal. An application for reinstatement has been filed. Copy attached (Attachment B).

Harris Corporation, through its Farinon Division, manufactures and sells microwave equipment. The experimental license is needed for testing and for demonstrating its products. Therefore, a temporary authorization is necessary pending consideration of the application for regular authorization so that the applicant may continue to develop, test, and demonstrate its products.

As it has certified in its application (Attachment B), Harris Corporation 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. 862, because of a conviction for possession or distribution of a controlled substance.

Our check for \$45.00 and FCC Form 159 are attached.

FLETCHER, HEALD & HILDRETH, P.L.C.

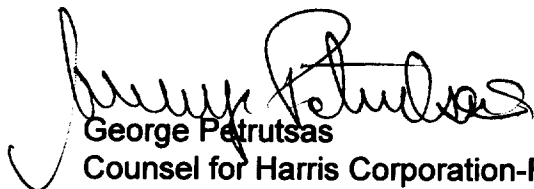
Federal Communications Commission
August 9, 1996
Page 2

An extra copy of this filing, marked 'Please Stamp and Return this Copy to Fletcher Heald & Hildreth' is enclosed. Please date stamp this copy and return it to me in the self-addressed, stamped envelope provided.

Please communicate with us if you need further information.

Very truly yours,

FLETCHER, HEALD & HILDRETH



George Patrutsas
Counsel for Harris Corporation-Farionon
Division

GP:cej
Enclosures

cc: Mr. Carl Huie (w/enc.)(VIA TELECOPIER (202) 418-1918)
Experimental Branch
OET, FCC

5(a). Proposed location of transmitter and transmitting antenna (check only one box)

FIXED/BASE MOBILE BASE AND MOBILE

5(b). If permanently located at a fixed location, give below:

State	County	City or Town
-------	--------	--------------

Number and street (or other indication of location)
N/A

5(d). If mobile, describe the exact area of operation

Nationwide

5(c). Enter geographical coordinates exact to the nearest second

North Latitude	West Longitude
0 . " "	0 . " "

5(e). Enter geographical coordinates of the approximate center of proposed area of operation (mobile applications)

North Latitude	West Longitude
0 . " "	0 . " "

6. Is a directional antenna (other than radar) used?

If "YES", give the following information: YES NO N/A

(a) Width of beam in degrees at the half-power point _____

(b) Orientation in horizontal plane _____ (c) Orientation in vertical plane _____

7. Is this authorization to be used for fulfilling the requirement of a government contract with an agency of the United States Government? YES NO

If "YES", attach as EXHIBIT No. _____ a narrative statement describing the government project, agency and contact number.

8. Is this authorization to be used for the exclusive purpose of developing radio equipment for export to be employed by stations under the jurisdiction of a foreign government? YES NO

If "YES", attach as EXHIBIT No. _____ the following information: Provide the contract number and the name of the foreign government concerned.

9. Is this authorization to be used for providing communications essential to a research project? (The radio communication is not the objective of the research project). YES NO

If "YES", attach as EXHIBIT No. _____ a narrative statement providing the following information:

- (a) A description of the nature of the research project being conducted.
- (b) A showing that the communications facilities requested are necessary for the research project involved.
- (c) A showing that existing communications facilities are inadequate.

10. If all the answers to Items 7, 8, and 9, are "NO", attach as EXHIBIT No. II a narrative statement describing in detail the following:

- (a) The complete program of research and experimentation proposed including description of equipment and theory of operation.
- (b) The specific objectives sought to be accomplished.
- (c) How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion, or utilization of the radio art, or is along line not already investigated.

11(a). Give an estimate of the length of time that will be required to complete the program of experimentation proposed in this application. See Exhibit II

(b) If less than 2 years, give the length of time in months that the authorization requested in this application will be required.

12. Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? YES NO

If you answer "YES", submit an Environmental Assessment required by Section 1.1311.

13. List below transmitting equipment to be installed (if experimental, so state):

MANUFACTURER	TYPE	NO. OF UNITS
Harris Corporation	Various	Undetermined
Farinon Division		

14. Is the equipment listed in Item 13 capable of station identification pursuant to Section 5.152? YES NO

15. Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? YES NO

If "YES", give the following (see instruction 9):

(a) Overall height above ground to tip of antenna is _____ meters.

(b) Elevation of ground at antenna site above mean sea level is _____ meters.

(c) Distance to nearest aircraft landing area is _____ kilometers.

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft and thereby minimize the aeronautical hazard of the antenna.

(e) Submit as EXHIBIT No. _____ a vertical profile sketch of total structure including supporting building, if any, giving heights in meters above ground for all significant features. Clearly indicate existing portion, noting particulars of aviation obstruction lighting already available.

16. Applicant is: (Check only one box)

INDIVIDUAL ASSOCIATION PARTNERSHIP CORPORATION

OTHER (describe below)

17. Is applicant a foreign government or a representative of a foreign government? YES NO

18. Has applicant or any party to this application had any FCC station license or permit revoked or had any application for permit, license or renewal denied by this Commission? YES NO

If "YES", attach as EXHIBIT No. _____ a statement giving call sign of license or permit revoked and relate circumstances.

19. Will applicant be owner and operator of the station? YES NO

20. Give name, title, and telephone number (include area code) of person who can best handle inquiries pertaining to this application.

George Petrutsas, Esquire, Fletcher, Heald & Hildreth, P.L.C.
1300 North 17th Street - 11th Floor, Rosslyn, VA 22209

21. 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 denial of federal benefits, that includes FCC benefits, pursuant to Section 5901 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862, or, in the case of a non-individual applicant (e.g., corporation, partnership, or other unincorporated association), no party to the applicant is subject to a denial of federal benefits, that includes FCC benefits, pursuant to that section. For the definition of "party" for these purposes, see 47 CFR 1.2002(b). YES NO

22. List below all exhibits in numerical sequence and the item number of form requiring the exhibit identified.

EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM
I	4				
II	10				

23. CERTIFICATION:

Attention: Read this certification carefully before signing this application.

THE APPLICANT CERTIFIES THAT:

- (a) Copies of FCC Rule Parts 2 and 5 are on hand; and
- (b) Adequate financial appropriations have been made to carry on the program of experimentation which will be conducted by qualified personnel; and
- (c) All operations will be on an experimental basis in accordance with Part 5 and other applicable rules, and will be conducted in such a manner and at such a time as to preclude harmful interference to any authorized station; and
- (d) Grant of the authorization requested herein will not be construed as a finding on the part of the Commission
 - (1) that the frequencies and other technical parameters specified in the authorization are the best suited for the proposed program of experimentation, and
 - (2) that the applicant will be authorized to operate on any basis other than experimental, and
 - (3) that the Commission is obligated by the results of the experimental program to make provision in its rules including its table of frequency allocations for applicant's type of operation on a regularly licensed basis.

APPLICANT CERTIFIES FURTHER THAT:

- (e) All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and
- (f) The applicant is willing to finance and conduct the experimental program with full knowledge and understanding of the above limitations; and
- (g) The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the USA.

Signed and dated this eighth day of AUGUST , 19 96

Name of Applicant HARRIS CORPORATION - Farinon Division

(must correspond with name given on page 1)

By Michael J. Shepherd 

(print)

(signature)

Title Manager, Transmission Engineering

Check appropriate classification:

- Individual applicant Member of applicant partnership
- Authorized employee Office of applicant corporation or association

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).

NOTIFICATION TO INDIVIDUALS UNDER PRIVACY ACT OF 1974 AND THE PAPERWORK REDUCTION ACT OF 1980

Information requested through this form is authorized by the Communications Act of 1934, as amended, and specifically by Section 308 therein. The information will be used by Federal Communications Commission staff to determine eligibility for issuing authorizations in the use of the frequency spectrum and to effect the provisions of regulatory responsibilities rendered the Commission by the Act. Information requested by this form will be available to the public unless otherwise requested pursuant to 47 CFR 0.459 of the FCC Rules and Regulations. Your response is required to obtain this 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.

ATTACHMENT A

**Most recent license
for Station K02XGT**

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

EXPERIMENTAL
(Nature of Service)

KO2XGT
(Call Sign)

XD MO
(Class of Station)

4706-EX-ML-95
(File Number)

NAME HARRIS CORPORATION - FARINON DIVISION

See Below
(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.

Frequency	Class	Emission	Authorized
	Stn	Designator	Power watts

See Attached Page 3

Station Location:

US

Area Of Operation: VARIOUS TEMPORARY FIXED WITHIN THE
CONTINENTAL UNITED STATES

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

Special Conditions:

See Attached Page 2

This authorization effective April 19, 1995 and
will expire 3:00 A.M. EST March 1, 1996

FEDERAL
COMMUNICATIONS
COMMISSION



EXHIBIT II

Response to Items 10 and 11(a) FCC Form 442

Harris Corporation through its Farinon Division designs and manufactures equipment used for microwave systems in the bands available under Parts 21, 22, 74, 78 and 101 of the Commission's Rules. The experimental license is needed to test equipment in the design and developmental stages, field testing, and for demonstration to prospective purchases. Therefore, Harris Corporation requires experimental authorization for an indefinite period of time. Accordingly, the Commission is requested to issue the license applied for herewith for a period of two years.

ATTACHMENT B

**Copy of Application for
reinstatement of license
for experimental Station K02XGT**

FCC FORM 442

FOR
FCC
USE
ONLY

APPLICATION FOR NEW OR MODIFIED RADIO STATION AUTHORIZATION UNDER PART 5
OF FCC RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST)

SECTION I

APPLICANT NAME (Last, first, middle initial)

Harris Corporation - Farinon Division

MAILING ADDRESS (Line 1) (Maximum 35 characters - refer to Instruction (2) on reverse of form)

330 Twin Dolphin Drive

MAILING ADDRESS (Line 2) (if required) (Maximum 35 characters)

CITY

Redwood Shores

STATE OR COUNTRY (if foreign address)

CA

ZIP CODE

94065

CALL SIGN OR FILE NUMBER

K02XGT

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in FCC Fee Filing Guides. Enter in Column (B) the Fee Multiple, if applicable. 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), if any.

(A)	(B)	(C)	FOR FCC USE ONLY
FEE TYPE CODE	FEE MULTIPLE (if required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	
(1) E A E	1	\$ 45	

SECTION II

— To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)	(B)	(C)	FOR FCC USE ONLY
FEE TYPE CODE	FEE MULTIPLE (if required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	
(2)		\$	
(3)		\$	
(4)		\$	
(5)		\$	

ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (5), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE. →

TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING	FOR FCC USE ONLY
\$ 45	

FEDERAL COMMUNICATIONS COMMISSION
FCC REMITTANCE ADVICE

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

PAGE NO. 1 OF 1

(RESERVED)

SPECIAL USE

FCC USE ONLY
 FCC/MELLON AUG 1 2 1996

(Read instructions carefully BEFORE proceeding.)

PAYOR INFORMATION

(1) FCC ACCOUNT NUMBER		Did you have a number prior to this? Enter it.	(2) TOTAL AMOUNT PAID (dollars and cents)							
4	1	5	5	9	4	3	3	9	1	\$ 45
(3) PAYOR NAME (If paying by credit card, enter name exactly as it appears on your card)										
Harris Corporation - Farinon Division										
(4) STREET ADDRESS LINE NO. 1										
c/o Fletcher, Heald & Hildreth, P.L.C.										
(5) STREET ADDRESS LINE NO. 2										
00 North 17th Street - 11th Floor										
(6) CITY						(7) STATE		(8) ZIP CODE		
Rosslyn						VA		22209		
(9) DAYTIME TELEPHONE NUMBER (Include area code)						(10) COUNTRY CODE (if not U.S.A.)				
(703) 812-0400 (George Petrutsas)										

ITEM #1 INFORMATION

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR						FCC USE ONLY					
Harris Corporation - Farinon Division											
(12A) FCC CALL SIGN/OTHER ID		(13A) ZIP CODE		(14A) PAYMENT TYPE CODE		(15A) QUANTITY		(16A) FEE DUE FOR PAYMENT TYPE CODE IN BLOCK 14			
K02XGT				E A E		1		\$ 45			
(17A) FCC CODE 1				(18A) FCC CODE 2							
(19A) 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 Visa

EXPIRATION DATE:

Month Year

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

AUTHORIZED SIGNATURE _____ DATE _____

See public burden estimate on reverse.

FLETCHER, HEALD & HILDRETH, P.L.C.

ATTORNEYS AT LAW

11TH FLOOR, 1300 NORTH 17TH STREET

ROSSLYN, VIRGINIA 22209

(703) 812-0400

TELECOPIER

(703) 812-0486

TELECOPIER TRANSMITTAL LETTER

Date of transmittal: 8/9/96

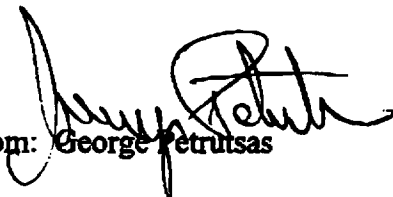
Total # of pages attached: 16

Please deliver the accompanying telefaxed material to:

Name: Mr. Carl Huie
OET, Exp. Branch

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

Note:

From: 
George Petrusas

In the event all pages are not received,
call 703-812-0435 and ask for Chello

Hard copy to follow: Yes/ No

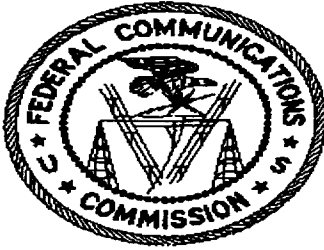
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Sent By: Chello at 5:50

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FACSIMILE MESSAGE

FACSIMILE MESSAGE



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

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

August 23, 1996 1 54 pm

FROM: Carl Huie

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

TO:

Name: George Petrutsas
Organization: FLETCHER, HEALD & HILDRETH, P.L.C.
Telephone: (703) 812-0429 X
Fax #: (703) 812-0486

This cover sheet is page 1 of 3 pages

COMMENTS:

License in mail to Harris.