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=EDERAL COMMUNICATIONS COMMISSION

JUN 2 5 1998

APPROVED BY OMB 3060-0065

Federal Communications Commission

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

i Applicant's I	Vomo and Prot	Office address		DO NOT WRITE IN THIS BLOCK						
		and ZIP Code. Se	e instruction	File No.	-	HIS BLOCK				
GTE Labora 40 Sylvan Waltham, M		orporated								
				6194-EX-PL-1998						
2(a). Application	for (check of	nly one box)		2(b). For Modifica	tion indicate below	7;				
X New station		dification of existing	authorization	File No:	Call	Sign:				
Application for placement to i	or Modification ndicate wheth	n: Check the box her the change i	x beside all pa s an addition	rticulars to be modi or a replacement of	fled. Check either a parameters in the	addition or re- current authorization				
FREQUENCY -		EMISSION -		DOWER -		ATION -				
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OTHER PARTICUL		·		attached EXHIBIT No	,					
Frequency (state	Operation (see		UW) (See e)							
whether kHz or MHz)		POWER		EMISSION	MODULATING	NECESSARY BANDWIDTH (KHz)				
(A)	(B)	(C)	(D)	(E)	(F)	(G)				
824-944	<u>12 dBW</u> (15 W)	21.8 dBW (151 W)	Mean	See exhibit 2	See exhibit 2	See exhibit 2				
1850-1910	11: dBW	20.8 dBW	Mean	See exhibit 2	See exhibit 2	See exhibit 2				
1930-1990	(13 W)	(120 W)								
2150-2162	<u>12 dBW</u>	27.8 dBW	Mean	See exhibit 2	See exhibit 2	See exhibit 2				
2500-2700	<u>(15 W)</u>	(600 W)								
5725-5850	<u>1 dBW</u> (1.3 W)	<u>16.8 dBW</u> (48 W)	Mean	See exhibit 2	See exhibit 2	<u>See exhibit 2</u>				
27000-32000	2 dBW	22.8 dBW	Mean	See exhibit 2	See exhibit 2	See exhibit 2				
2,000-02000	(1.6 W)	(190 W)				JEE ENHIDIC L				

(A) List each frequency or frequency band separately. (If more space is required, attach as EXHIBIT No.____

(E) Insert maximum RF, output power at the transmitter terminals. Specify units.

((:) Insert maximum effective radiated power from the antenna (If pulsed emission, specify peak power). Specify units.

- (I) Insert "MEAN" or "PEAK" (See definitions in Part 5).
- (E) List each type of emission separately for each frequency. (See Section 2201 of FCC Rules.)
- (F) Insert as appropriate for the type of modulation:
 - (1) the maximum speed of keying in bauds;
 - (2) maximum audio modulating frequency;
 - (8) frequency deviation of carrier;
 - (4) pulse duration and repetition rate.
 - For complex emissions, describe in detail in the space provided below.
- (3) Describe how the necessary bandwidth was determined in space provided below.

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(a) Distance to nearest alternit landing area is 2_5):		п	neters.						
 (d) List any natural formations of existing man-made structures (hills trees, water tanks, towers, etc) which, the opinion of the applicant, would tend to shield the antonna from algorath and thereby minimize the aeronautical hearand of the antonna. Application will be limited to Residential/Business and Rural area and antenna will be surrounded in the immediate area by buildings of comparable or greater size. No FAA clearance is required. (a) Submit as EXHIBIT No a vertical profile sketch of total structure including supporting built if any, giving heights in meters above ground for all significant features. Clearly indicate existing portion noting particulars of aviation obstruction lighting already available. 13. Applicant is (thest only one bar) 14. Applicant is (thest only one bar) 15. Has applicant a foreign government or a representative of a foreign government? YES Y applicant for entry party to this application had any FCC station ileones or permit revoked or had any applicant for one ray party to this application and any representative of a foreign government? YES Y if YES, state as EXHIBIT No		(b) Elev	ation	of gro	ound	at ante	enna sit	e above	mean	i sea leve	ol is -60		mete	rs.				
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who can best handle inquiries pertaining to this application. Douglas D. Tang, Dr. 781.466.2381 III. APPLICANT ANTI-DRUG ABUSE CERTFICATION: By checking "YES", the individual applicant certifies that he or she is eligible for this license. This requires the he or she is not subject to a denial of federal benefits, including FCC benefits, as a result of a drug offense conviction pursuant to Section 560i of the Anti- Drug Abuse Act of 1988, 21 U.S.C. 862. A non- individual application is subject to a denial of federal benefits, pursuant to that section, certifies that no party to the application is subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for these purposes, see 47 CFR 12002(b). III. YES III. YES III. III. III. NUMBER III. III. III. YES		Is applied Has applicat If "YES"	ant a licant ion fo	foreig or an or peri h as E	yn go y par mit, li XHIB	vernm ty to t cense IT No.	this appl or rene	a repress ication wal den	entati had a ied b;	ny FCC i y this Co	station lic mmission	ense or ?	permit			had an		-
By checking "YES", the individual applicant certifies that he or she is eligible for this license. This requires the he or she is not subject to a denial of federal benefits, including FCC benefits, as a result of a drug offense conviction pursuant to Section 5301 of the Anti- Drug Abuse Act of 1988, 21 U.S.C. 862. A non- individual application is subject to a denial of federal benefits, pursuant to that section, certifies that no party to the application is subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for these purposes, see 47 CFR 12002(b). X2. 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 1 4 4 10 2 4(e) (f) (g) 5 15	19.	Is applic Has app applicat If "YES" revoked	ant a licant ion fo , attao l and	foreig or an or per h as E relate	yn go y par mit, li XHIB circu	vernm ty to t cense IT No. mstanc	this appl or rene- ces.	a repress ication wal den	entati had a ied b; a state	ny PCC y this Co ement gi	station lic mmission	ense or ?	permit			had an YES		1
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CERTIFICATION: 23

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
 - (8) 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 23 rd day of function 19 9	18
Name of Applicant <u>GTE Laboratories Incorporated</u>	
lawst correspond with name given on page 1)	
By Kevin T. Gammons	
(print)	
Title Assistant General Counsel	
Check appropriate classification:	
Individual applicant I Member of applicant partnership	
X Authorized employee Office of applicant corporation or association	
AILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, 7 3 Section 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47 action 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	
nformation requested through this form is authorized by the Communications Act of 1934, as amended, and spec	ified

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 by 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.

Public reporting burden for this collection of information is estimated to average four (4) hours per response, including the time or reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0065), Washington, DC 20554. DO NOT send completed applications to this Individuals are not required to respond to this collection unless it displays a currently valid OMB control number. address.

"HE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, PL. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, PL 96-511, DECEMBER 11, 1980, 44 U.S.C. 8507.