APPROVED BY OMB 3060-0065 Expires 9/30/98

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

• •		Office address and ZIP Code.	s See instruction	File No.	O NOT WRITE IN T	HIS BLOCK
P. O. Box 26533 Eve			ation	5602	EX-MR-	96
2(a). Application	for (check o	nly one box)		2(b). For Modifica	tion indicate belov	w:
New station	X Mo	dification of exist	ing authorization	File No.: 4660-I	EX-MR-95 Call	Sign: KF2XHE
3. Application fo placement to in	r Modification idicate wheth	n: Check the h her the change	oox beside all pa e is an addition	articulars to be modi	fied. Check either	addition or re- e current authorization
FREQUENCY -		X EMISSION	-	POWER -	Loc	CATION -
OTHER PARTICULA 4. Particulars of		~		n attached EXHIBIT No)	
frequency (state whether kHz or MHz)	operation (se	POWER	5010 W)	EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (KHz)
(A)	(B)	(C)	(D)	(E)	(F)	(G)
826-849 MHZ	35 W	35 W	Peak	(77/4 DOPSK) 30KOG1D	7.95 kb/s	30 kHz
869-894 MHz	35 W	35 W	Peak	(17/4 DOPSK)	7.95 kb/s	30 kHz
1850-1990 MHz	35 W	35 W	Peak	30K0G1D (77/4 DQPSK) 30K0G1D	7.95 kb/s	30 kHz
1850-1990 MHz	35 W	35 W	Peak	1KOONON	1kHz cw	1 kHz
				30K0G1D		
(B) Insert maximunits. (D) Insert "MEA (E) List each ty: (F) Insert as app (!) the maximum (2) maximum (3) frequenc (4) pulse dur	num R.F. outp mum effectiv N" or "PEAK" pe of emissio propriate for mum speed on audio modu y deviation of ation and re	See definition (See definition n separately f the type of m of keying in be lating frequen of carrier; petition rate.	he transmitter t wer from the ar ns in Part 5). For each frequer nodulation: auds; ncy;	more space is requirerminals. Specify unntenna (If pulsed emancy. (See Section 2.20)	nits. Hission, specify pea	
				ed in space provided	below. FC	C Form 442 - Page 2 March 1996

5(a).	Proposed location of transr	nitter and transmitting a	antenna (check	only one box to indica	te type of operation):
O(a):	☐ FİXED/BASE	MOBILE		BASE AND MOBILE	
5(b).	If permanently located at a	a FIXED location, give be	low:	5(c). If mobile, describe operation	e the exact area of
State	County	City or Town		4000 acre provin	ng ground site @
Num	ber and street (or other inc	lication of location)		millord, mi	
		€,			
5(b)(l). Enter geographical coordiantes e	exact to the nearest second (se	ee instruction 10)	5(c)(1)Enter geographical concertor of mobile operation	oordinates of the approximate (see instruction 10.)
 North	Latitude (DD-MM-SS)	West Longitude (DD-MM-SS)		North Latitude	West Longitude
	0 "	0 '	12	42° 35 47	83 41 10
 5(d).	Datum (see instruction 10):	X	NAD 27	NAD 83	
6. Is	s a directional antenna (oth	er than radar) used?	YES X	NO	
I:	"YES", give the following	information:			
	a) Width of beam in degree			ation in vertical plane	
(b) Orientation in horizontal	plane	(e) Orient	ation in vertical plane	
7 I	s this authorization to be us	sed for fulfilling the req	uirement of a g	government contract w	rith an agency of the
Ţ	Jnited States Government?		YES X	NO	
I	f "YES", attach as EXHIBIT N	Jo a narra	ative statement	describing the govern	ment project,
a	gency and contact number.	•			
8. I	s this authorization to be us	sed for the exclusive pur	rpose of develop	ping radio equipment f	or export to be employed
ł	by stations under the jurisd	iction of a foreign gover	[77]	NO	
I	f "YES", attach as EXHIBIT N name of the foreign govern	lo the folument concerned.			ract number and the
9. I	s this authorization to be us	sed for providing communif the research project).	[संग		ect? (The radio communi-
1	f "YES", attach as EXHIBIT 1	Ll raga a .ov	YES <u>[X]</u> ative statement	provding the following	g information:
,	. \ A demonstration of the note	ura of the research proje	ect being condu	cted.	
. (a) A description of the nattb) A showing that the commod A showing that existing	munications facilities rec communications facilitie	quested are necessare inadequat	essary for the research te.	project involved.
10.	f all the answers to Items 7	7, 8, and 9, are "NO", attach	as EXHIBIT No	o a narr	ative statement describing
	n detail the following: a) The complete program of				
	and theory of operation.				
(b) The specific objectives s c) How the program of exp	ought to be accomplished	l. Spabla promise	of contribution to the	development, extension,
•	c) How the program of exp expansion or utilization	of the radio art, or is alc	ong line not alr	eady investigated.	ao (o.op.ii.o.i.,
11(a)	. Give an estimate of the le	ength of time that will b	e required to co	mplete the program of	experimentation proposed
	in this application: 2	vears			
(b) if less than 2 years, give t will be required:				
12.	Would a Commission gran significant environmental	i impact (see instruction	11)?	l ves 🗓 no	
	If "YES", attach as EXHIBIT	Noa	n Environment	al Assessment as requir	red by Section 1.1311.
13.	List below transmitting equation MANUFACTURER		MODEL NOW	.l, so state): IBER	NO. OF UNITS
13.	MANUFACTURER Hewlett-Packard (Si	ignal Gun)	HP 8657B	.l, so state): IBER	1
18.	MANUFACTURER Hewlett-Packard (Si Amplifier Research	ignal Gun)	HP 8657B 400 HB	l, so state): IBER	_
	MANUFACTURER Hewlett-Packard (Si	ignal Gun) ((Amplifièr)	HP 8657B 400 HB 4421	BER	1 1 1 1

14.	Is the equip	oment listed in Ite	m 13 capable of static	on identification pursua	ant to Section 5.152?	☐ YES	мо 🛣
15.	Will the an more than than a build	6 meters above th	re than 6 meters abo e building, or will th	ve the ground, or if more proposed antenna be	unted on an existin mounted on an exis	g building, value ting structu	will it exten re other
	If "YES", giv (a) Overall	ve the following (height above grou	see instruction 9): and to tip of antenna	a is mete	rs.		
	(b) Elevation	n of ground at an	tenna site above me	an sea level is	meters.		
	the opin	natural formation lion of the applica tical hazard of th	nt, would tend to sh	nade structures (hills, tr ield the antenna from :	ees, water tanks, to aircraft and thereby	wers, etc.) w 7 minimize t	hich, in he
	if anv. e	riving heights in	meters above ground	al profile sketch of tota for all significant fea ting already available.	l structure including tures. Clearly indica	g supporting te existing	building, portion,
			······································				
16.	Applicant is	S. (Check only one	D##1		_		
	☐ INDIVI	DUAL ASS	sociation [PARTNERSHIP	CORPORATION		
	OTHER	(describe in space	e provided below)				
		0 11 11 11 11 11 11		ottive of a foreign gave	arnment?	□ yes	
17.				ative of a foreign gove			
18.	application If "YES", att	for permit, licens	e or renewal denied oa s	d any FCC station licens by this Commission? tatement giving call sig		YES	X NO
<u> </u>			operator of the stat	lon?		YES	X NO
). 				area code), and Internet	e-mail address (if a	applicable) o	f person
20.	Who can be	, title, and telepho est handle inquirie	es pertaining to this	application.	o man address vir	-pp	_ <u>.</u>
	Datada	ia L. Wize (81	0) 262_7129				
		ANTI-DRUG ABUS					
21.	By checkin he or she is conviction	g "YES", the indivision partnership	idual applicant certif denial of federal be on 5301 of the Anti-	les that he or she is elenefits, including FCC be Drug Abuse Act of 1988, ated association, certification to that section. For defi	enefits, as a result of 21 U.S.C. 862. A non- es that no party to t	a drug off individual the application	ense applicant, on is
	see 47 CFR					X YES	□ NO
22.	List below	all exhibits in nu	merical sequence and	d the item number of f	orm requiring the e	xhibit ident	ified.
EXI	HIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM	NO. OF FORM
	I	10					
_							
		1	l	1	I	1	

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. day of November 20th Signed and dated this Name of Applicant _____GENERAL MOTORS RESEARCH CORPORATION Imust correspond with name given on page 11 Patricia L. Wize Assistant Secretary Check appropriate classification:

☐ Individual applicant ☐ Member of applicant partners

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 specified 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 for 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.

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. 9507.