FCC Form 442 - Page 2

March 1996

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

	Applicant's Name and Post Office address			DO NOT WRITE IN THIS BLOCK			
(Street address, city, state, and ZIP Code. See instruction			File No.				
No. 4)	1 4 4	10				· ~ (7.67	
Eugene Tl	homton Herr	in, JR.		1 616	0-EX-DI-	1998	
Southern M	Nethodist U	niversity		6160-EX-PL-1998			
Dept of	Geology	,					
PD BOY	<i>3</i> 95						
•	_	70					
	Dullus Texas 75275			Reinstalement			
2(a). Application	for (check o	nly one box)		2(b). For Modific	cation indicate below	•	
New station		dification of exist		File No: 1269 -		Sign: KB2XEY	
3. Application for placement to in	r Modificationdicate whet	n: Check the her the chang	box beside all par e is an addition o	rticulars to be mo or a replacement o	dified. Check either a of parameters in the	current authorization	
FREQUENCY -		☐ EMISSION		POWER -	LOCA	TION -	
_ : :			_			dition or replacement?	
addition or	replacement?		or replacement?	addition of] Lebiacement:	diction of replacements	
_					- D		
OTHER PARTICULA	ARS - addition of	or replacement? ((Describe below or in	attached EXHIBIT No.	* 🔼 →		
		·					
			11				
4. Particulars of	Operation (se	e instruction	below)	T			
Frequency (state		POWER		EMISSION	MODULATING	NECESSARY BANDWIDTH	
whether kHz or MHz)	WATES	WATES (C)	(D)	/E)	SIGNAL (F)	(KHz) (G)	
(A) 152.855	(B) 5	(C) 25	(D) PEAK	(E) F 3	300 = 0005%	16	
153. 300	<u></u>	a 5	PEAK	F 3	3000 ± ,0005%	16	
153. 73.25	100	500	PEAK	F 3	3000 ± .0005%	110	
154.460	5	25	PEAK	F3	3000 ± .000 5 %	16	
154, 46 375	<u> </u>	25	PEAK	F3	3000 ± .0005%	16	
154.6275	100	500	PEAK	F3	3000 ± ,0005%	(b	
157.725	5	25	PEAK	F 3	3000 ± ,0005%	16	
		25	PEAK	F3	3000 ± .0005 %	16	
157, 755	<u> </u>	25	PEAK	F3	3000 ± .0005 %	16	
173.200	100	500	PEAK	F3	7000 ± ,0005%	14	
173.300	- 100 - E	25	PEAK	F3	11 11	16	
(A) List each from	equency or f	requency ban	d separately. (If	more space is requ	ilred, attach as EXHII	BIT No. 🖳 😎	
				rminals. Specify			
					mission, specify peak	power). Specify	
units.	01100114				V L	• • • • • • • •	
		/m , m	I P M				
		(See definition		/G G H 5	001 -0 FGG P11		
				cy. (See Section 2	zor of FCC Rules.)		
		the type of n					
	=	of keying in b					
	(2) maximum audio modulating frequency;						
(3) frequenc	y deviation	of carrier;					
(4) pulse dur	ation and re	petition rate.					
For complex	emissions, d	escribe in deta	ail in the space p	rovided below.			

(G) Describe how the necessary bandwidth was determined in space provided below.

5(a).	Proposed location of	f transmitter and transmitt	ing antenna (check	only one box to indicate type of operation):
	☐ FIXED/BASE	✓ MOBILE		BASE AND MOBILE
5(b).	If permanently loca	ted at a FIXED location, giv	ve below:	b(c). If mobile, describe the exact area of operation
State	County	City or Town		Palks, Texus
	1 1 -44 (07-04	ther indication of location)		West Texus
Num	ber and street (or ot	ner indication of location,		Mina, Nevada
5(b)(1	1). Enter geographical coor	diantes exact to the nearest seco	ond (see instruction 10)	5(c)(1)Enter geographical coordinates of the approximate center of mobile operation (see instruction 10.)
North	Latitude (DD-MM-SS)	West Longitude (DD-M	M-SS)	North Latitude West Longitude
	0 ,	0	, "	See EXHIBIT 'B'
5(d).	Datum (see instructi	on 10):	□ NAD 27 □	NAD 88
If	"YES", give the foll	downoon at the helf-newer	point 76°	ation in vertical plane lund mobile, point to point
7. Is	s this authorization	to be used for fulfilling the	e requirement of a	government contract with an agency of the
	Jnited States Govern		☐ YES ☑	NO
a	gency and contact r	number.		describing the government project,
8. Is	s this authorization	to be used for the exclusive	e purpose of develor	ping radio equipment for export to be employed
b	y stations under the	e jurisdiction of a foreign	governmen ☐ yes ☑	NO
If r	f "YES", attach as EX name of the foreign	HIBIT No th government concerned.	e following informa	ation: Provide the contract number and the
С	ation is not the obje	ective of the research proje	ect). VES	tial to a research project? (The radio communi-
I	f "YES", attach as EX	HIBIT No a	narrative statement	provding the following information:
~ 1	h) A showing that tl	the nature of the research ne communications facilities xisting communications fac	s requested are nec	essary for the research project involved.
		7. 7.0 1.0 "NO" -	ttoch og EVHIBIT No	o a narrative statement describing
		gram of research and expe		d including description of equipment
(Limber emericin object	strong cought to be accompl	ished.	a the state of the development extended
(e) How the program expansion, or utilities 	of experimentation has a lization of the radio art, or	reasonable promise is along line not alr	of contribution to the development, extension, eady investigated.
11(a).			vill be required to co	implete the program of experimentation propose
	in this application:	5 years	n months that the a	uthorization requested in this application
(d)	will be required: _			
12.	significant enviror	nmental impact (see instruc	tion 11)?	n 1.1307 of the FCC Rules, such that it may have YES V NO
	If "YES", attach as I	EXHIBIT No	an Environment	al Assessment as required by Section 1.1311.
18.	MANUFACTURER	ting equipment to be insta	MIDDEL NUN	IBER ITO. OI OITII O
	General Electric		Porta - Mobile CMC F7 "500"	****
	RCA		CMC F + "300	<u> </u>

_		and the second s							
14.	Is the equip	oment listed in Ite	em 13 capable of stati	on identification pursua	ant 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 extends 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) Elevatio	n of ground at ar	ntenna site above me	an sea level is	meters.				
	(c) Distance	(c) Distance to nearest aircraft landing area is kilometers.							
	the opin	(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.							
				al musella chatch of tota	l structure including	supporting building			
	if any, e	iving heights in	meters above ground	al profile sketch of tota i for all significant feat ting already available.	cures. Clearly indicate	existing portion,			
16.	Applicant is	S. (Check only one	bex?						
	☑ INDIVI	DUAL ASS	SOCIATION [PARTNERSHIP	CORPORATION				
	C OTHER	(describe in space	e provided below)						
17.				ative of a foreign gove		YES NO			
18. Has applicant or any party to this application had any FCC station license or permit revoked o application for permit, license or renewal denied by this Commission? [T "YES", attach as EXHIBIT No a statement giving call sign of license or permit					☐ yes 🗹 no				
		d relate circumsta							
$\overline{}$			operator of the stat			YES NO			
20.	Give name, title, and telephone number (include area code), and Internet e-mail address (if applicable) of person who can best handle inquiries pertaining to this application. Eugene T. Herrin, Jr., Ph.D., Southern Methodist University, Geological Sciences, Dullas, Texas, 75275								
21.	ZIH		E CERTIFICATION:						
21.	APPLICANT ANTI-DRUG ABUSE CERTFICATION: By checking "YES", the individual applicant certifies that he or she is eligible for this license. This requires that 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 applicant, eg. corporation, partnership or other unincorporated association, 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				<u> </u>	YES NO			
22.	List below	all exhibits in nu	merical sequence and	i the item number of fo	orm requiring the exh	ndit identified.			
EXI	HBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM			
	A	6							
	B	5(c)							
		-							
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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	22	day of	1 <i>AY</i>	, 19 <i>28</i>	
Name of Applicant H	ertin, Eug	ene T. J	given on page 11		
By Herrin, Eugen	•		(signature)	-	
Title Prof			(3) gracover	(
Check appropriate classification	:				
Individual applicant	Member of applica	ant partnership			
Authorized employee	Office of applican	t corporation or ass	sociation		
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 808 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 address. 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. 98-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 98-511, DECEMBER 11, 1980, 44 U.S.C. 9507.