FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

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

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(b) It less than 2 years, give the lenger of time in months that the automization requested in this apprearion will be required. No. 4	* 1		(a). Proposed location of transmitter and transmitting antenna (Check only o
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 ☐ Yes			(b) Orientation in horizontal plane
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	xhibit	is application will be required See Exhibi	
2. 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?			
If you answer yes, submit an Environmental Assessment required by Section 1.1311.			If you answer yes, submit an Environmental Assessment required by Section

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	w transmitting equipment to be ACTURER	installed (if experim	nental, so state): TYPE		NO. OF UNIT
Hewlett	Packard 8640		Experimental		1
Fluke 60)60B		Experimental		1
Hewlett	Packard 835A with	ı	Experimental		1
Hewlett	Packard 83592A Br	oad Band			
Plugin	с	•			
Amplifie	r Reserach 2000L	2k Watt	Experimental		1
Power A	ump (10k - 200 MHz	:)	3		
	mplifier to boost				MHz) have yet to
14. Is the equ	ipment listed in Item 13 capab	le of station identific	eation pursuant to Section 5.15	52?	х.,
			□ Yes	X No	
	antenna extend more than 6 me or will the proposed antenna b				more than 6 meters above th
bunding,	or win the proposed amenia o	t mounted on an exi		X No	
If "Yes"	, give the following (See Instru	uction 9):		INO INO	
	, B			۵	900 I
(a) Overa	Il height above ground to tip o	f antenna is	meters.	t.,	1
(b) Eleva	tion of ground at antenna site a	ibove mean sea level	is meters.		s
(c) Distai	ice to nearest aircraft landing a	rea is		kilometers.	10 B
	ny natural formations of existir o shield the antenna from aircr				
tend t (e) Subm		aft and thereby minin _, a vertical profile s	mize the aeronautical hazard of sketch of total structure include	of the antenna. ling supporting building, if	f any, giving heights in mete
tend t (e) Subm	o shield the antenna from aircr	aft and thereby minin _, a vertical profile s	mize the aeronautical hazard of sketch of total structure include	of the antenna. ling supporting building, if	f any, giving heights in mete
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February 1990

ERTIFICATION	
TENTION: Read this certification carefully before signing this applicati	
IE APPLICANT CERTIFIES THAT:	
 Copies of the FCC Rules Parts 2 and 5 are on hand; and Adequate financial appropriations have been made to carry on the prog and 	gram of experimentation which will be conducted by qualified personnel;
 All operations will be on an experimental basis in accordance with Para and at such a time as to preclude harmful interference to any authorized. Grant of the authorization requested herein will not be construed as a 	ed station; and
(1) that the frequencies and other technical parameters specified in t perimentation, and	he authorization are the best suited for the proposed program of ex-
(2) that the applicant will be authorized to operate on any basis other	r than experimental, and
(3) that the Commission is obligated by the results of the experimen allocations for applicant's type of operation on a regularly licens	tal program to make provision in its rules including its table of frequency ed basis.
PLICANT CERTIFIES FURTHER THAT:	
All the statements in the application and attached exhibits are true, con	nplete and correct to the best of the applicant's knowledge; and
The applicant is willing to finance and conduct the experimental progra	am with full knowledge and understanding of the above limitations; and
The applicant waives any claim to the use of any particular frequency or o	of the electromagnetic spectrum as against the regulatory power of the USA.
Signed and dated this $8 - 31 - 93$ day of	August 1993
Name of Applicant SOUTHWEST RESEARCH INS	STITUTE ond with name given on page 1)
(corresp)	ma with name given on page 1)
	Acht
ByJ.D. Bates (print)	(signature)
Title Vice President - Finance	Check Appropriate Classification:
WILLFUL FALSE STATEMENTS MADE ON THIS FORM	Individual Applicant
ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.	Member of Applicant Partnership
I and the second s	□ Office of Applicant Corporation
	or Association
	Authorized Employee
NOTIFICATION TO INDIVIDUALS UN AND THE PAPERWORK RED	
nation requested through this form is authorized by the Communications information will be used by Federal Communications Commission staff to y spectrum and to effect the provisions of regulatory responsibilities rem will be available to the public unless otherwise requested pursuant to Sec I to obtain this authorization.	determine eligibility for issuing authorizations in the use of the fre- dered the Commission by the Act. Information requested by this
FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1 the Paperwork Reduction Act of 1980, P.L. 96-511, December 11, 1980,	