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

					NOT WORTE IN TUI	e PLOCY
L Applicant's Na	ame and Post (office address		File No.	NOT WRITE IN THI	s block
(Street addres	s, city, state, a	nd ZIP Code. See	Instruction			
No. 4)				2117	-EX-PL-9	7/
				5341	-	6
Texas Insti	rument Inco	rporated		1015		
6600 Chase	Oaks Blvd.					•
M/S 8443						. 4 /
Plano, TX	75023				1	\$2624-26
•					ee also	70001
2(a). Application	for (check on	ly one box)		2(b). For Modificati	on indicate below:	
		ification of existing	authorization		Call 6	Sign:WAZXPA
New station				File No: N/A an addition or replace	ment of (check a	ll that apply)
3. Application fo	r modification	Indicate wherh	er curries m			
FREQUENCY	EMI!	ssion [POWER	LOCATI	ON	
				•		
OTHER PARTI	CULARS (describe	below or in attached	d EXHIBIT No	······································		
N/A						
4. Particulars of	Operation (see	instruction belo)W)	T		NECESSARY BANDWIDT
Frequency (state whether kHz or MHz)		POWER		EMISSION	MODULATING SIGNAL	(KHz)
κ ω	88)	(C)	63	(E)	(F)	(G)
8\0-11.0 GHz	3.0 kW	55 dBW	PEAK	G1N .	(see Exhibit1)	15,000 (See
340 ====		316KW		100		Exhibit 1)
		2 (0)				· · ·
122.850 MHz	10W	9.2 dBW	MEAN	A3E	2500 Hz max	5.0 (See
122.030 1112					modulation	Exhibit 2)
		13W			freq.	
		012				
						ļ
·						
						DIT No. 1 c 2
(A) List each f	requency or f	requency band s	eparately. (If	f more space is require	red, attach as Exil	bir ito.
			I THE THE THILL I I I I I I I I I I I I I I I I I I	IMPRINITIONS SUBSTITUTE VA	4 5 mm	
(C) Insert max	imum effectiv	re radiated power	er from the s	antenna (If pulsed en	lission, specify pea	k power).
	IDTAVE	Profite Pak ass	in Part 5).			
_(D) Hisert Mis-	and of amigric	n senerately for	each freque	ency. (See Section 22)	Of FCC Rules)	
(E) List each t	Abe or emission	the type of mo	dulation:			
(F) Insert as a	ppropriate for	erra sabani u pen	de			
(1) the max	kimum speed	of keying in bau				
(2) maximu	ım audio modu	lating frequenc	y ,			
de interes	ncy deviation	of carrier;				
(4) pulse d	uration and re	epetition rate.				
		iceseibe in detail	in the space	provided below.	t below	
(G) Describe h	ow the necess	mry bandwidth	was determin	ned in space provided	I Delow.	

5(a).		ed location of transi	nitter and transm	nitting antenn	a (check	only one BASE A	box) ND MOBIL	E			
<u></u>		manently located at			N/A	5(d). If	mobile, de	scribe	the ex	act area	of
State		County	City or Tow	n		On, a	eration nd withi s of, th				
Num	ber an	d street (or other inc	dication of location	on)			ity at 2 ney, TX			nivers	sity,
 5(c).	Enter g	eographical coordiantes ex	act to the nearest se	cond N/A			er geographi proposed a				
North	Latitude		West Longitude			North Lat	itude	}	West L	ongitude	
	0	, "	0	,	**	33°	12	58N	96°	39	27W
I	f "YES"	ectional antenna (oth , give the following th of beam in degree	information:	∐ YES	X	NO					
(b) Orie	ntation in horizontal	plane				vertical p				
7. I	s this a	authorization to be u	sed for fulfilling	the requirem	ent of a	governme	ent contre	ct with	h an a	gency o	of the
1	United	States Government?		K YES	<u>لـا</u>	NO	na tha aa	warn me	ant nr	n leet	
	CARCV	, attach as EXHIBIT I and contact number	'.								amplayo
8. 1	s this a	authorization to be u	sed for the excluded the second section of a foreign section.	sive purpose gn governmen			o equipme	ent for	expor	ed ou m	employed
				T YES	X	NO				bor and	the
	name o	, attach as EXHIBIT I	nment concerned	•							
	cation	authorization to be used is not the objective of	of the Lesearch 1	TOJECIA.	<u> </u>	1 NO					communi-
	If "YES	", attach as EXHIBIT escription of the nat	No	a narrative	statement	t provdin acted.	g the foll	owing	infor	mation:	
	(b) A s (c) A s	howing that the com howing that existing	munications raci communications	facilities are	inadequa	ite.			_		
10.	If all t	he answers to Items	7, 8, and 9, are "N	0°, attach as E	XHIBIT N	oN/A_	a	narrat	ive st	atement	. describi
	in deta (a) The	o complete program (theory of operation	of research and e	xperimentatio	n propos	ed includ	ing descri	iption (of equ	ipment	
	(b) The	specific objectives w the program of ex cansion, or utilization	sought to be acco	ac a reasonnaidh	promise	of contr	ibution to restigated.	the de	evelop	ment, e	xtension.
	exp	an estimate of the l	enoth of time th	at will be requ	nired to c	omplete	the progra	m of e	experi	mentatio	on propo
	in th	is application. 2									
		be required. Id a Commission gra									
12.	elani	cicant environment	al impact?		: I	yl NO					
		ou answer "YES", sub									
13.	List	below transmitting e	equipment to be	installed (if ex T	kperiment YPE	al, so sta	te):			NO.	OF UNIT
Te		nstruments Inc.		Experimen	tal Rada	ar				1 ((one)
Те	chnis	onic Industries 1	Limited	low power '90-6R (mode			IVER			1 ((one)

14.	Is the equipment	nent listed in Item (2) of Item 13	n 13 capable of station	n identification pursua	nt to Section 5.152?	YES L NO
15.	117111 the ent	anne extend more	a than 6 meters abov	e the ground, or if mou	inted on an existing bu	uilding, will it extens
,	than a build			YES X NO		,
	If "YES", give (a) Overall h	e the following (s neight above grou	ee instruction 9): nd to tip of antenna	is meter	s.	
				n sea level is		
	the opini	natural formation on of the application in the latest t	nt, would tend to shie	ade structures (hills, tre eld the antenna from a	es, water tanks, tower ircraft and thereby m	s, etc.) which, in inimize the
	if any ø	Iving helghts in I	neters above ground	l profile sketch of total for all significant feat ing already available.	structure including sures. Clearly indicate of	upporting building, existing portion,
16.	Applicant is	C (Check only one b	no x i			
	☐ INDIVII	DUAL ASS	OCIATION	PARTNERSHIP	X CORPORATION	
	OTHER	(describe below)				
					rnment?	YES X NO
17.				ative of a foreign gove		
18.	Has application	nt or any party to for permit, licens	this application had e or renewal denied	any FCC station licens by this Commission?	e or permit revoked o	YES X NO
	If "YES", att	ach as EXHIBIT Ne	oa st	atement giving call sig	n of license or permit	
	revoked an	d relate circumsta	nces.		F	7
19.	Will applica	ant be owner and	operator of the stati	on?	<u> </u>	
20.	Give name, to this appli	title, and telepho: ication.	ne number (include a	area code) of person w	ho can best handle inq	uirles pertaining
	A.M. Stra	cener, Systems	Engineer, (214)) 575-5356		
21.	A DDI IC A NT	str8&mimi@magi	ISE CERTIFICATION:			
	By checking denial of for 21 U.S.C. 862	g "YES", the appliced of the case of the c	ant certifies that in nat includes FCC ben- f a non-individual a applicant is subject t	the case of an individue fits, pursuant to Section pplicant (e.g., corporation a denial of federal buthese purposes, see 47 C	n, partnership, or other enefits, that includes F	er unincorporated
	I let helow	all exhibits in nu	merical sequence and	d the item number of f	orm requiring the exh	libit identified.
	XHIBIT NUMBER	ITEM NO. OF FORM	ESCHIPIT NUMBER	HER NS of FORM	EXHIBIT NUMBER	ITEM NO. OF FORM
	1	4				
_	2	4				
	3	7				
_						
_						
		1				Form 442 - Page -

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 Commissio (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 rule 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 :

agains	st the regulatory p	ower	of the USA. Of the USA.
Signe	d and dated this _		19th day of May . 19 96
Name	of Applicant	Ţex	as Instruments Incorporated (aust correspond with news) given on page
Ву	David W.	Welj	
	- F	rint?	(sigheture)
			President, Systems Group
Title	Manager, A	dvan	ced Programs
Check a	ppropriate classific	ation:	
☐ Indi	lvidual applicant		Member of applicant partnership
	horized employee		Office of applicant corporation or association
WILLFUL FALS	SE STATEMENTS MA	ADE O	N THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, THE N 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 specifi 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 regulato 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 requ to obtain this authorization.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 51, 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.