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)

Applicant's Name and Post Office address (Street address, city, state, and ZIP Code. See instruction No. 4) AT&T CORP 1200 Peachtree St., N.E16N01 Atlanta, GA 30309			File No.	NOT WRITE IN T	HIS BLOCK	
			5693-EX-PL-97			
					45	
2(a). Application	for (check of	nly one box)		2(b). For Modification	on indicate belov	w:
I New station	☐ Mod	lification of existing	authorization	File No.:	Call	Sign:
				rticulars to be modifi or a replacement of p		addition or re- current authorization
FREQUENCY -		EMISSION -		POWER -	Loc	ATION -
addition or] replacement?	addition or	replacement?	addition or re	aplacement?	ddition or replacement?
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				attached EXHIBIT No)	
4. Particulars of frequency (state	Operation (see		low)		NECESSARY BANDWIDTH	
whether this or MHs)		POWER		EMISSION	MODULATING SIGNAL	(KHZ)
(A)	(B) TTACHMENT	(C)	(D)	(E)	(F)	(G)
SEE A	TACHMENT	<u> </u>				

]				<u> </u>	<u> </u>
(E) Insert max	imum R.F. outp	ut power at the	transmitter te	more space is require rminals. Specify uni- tenna (If pulsed emis	ts.)
(E) List each t	ype of emission	(See definitions separately for the type of mod	each frequen	cy. (See Section 2.20)	of FCC Rules.)	
(1) the max (2) maximu	dimum speed of maudio modul	keying in bau ating frequency	ds;			
	cy deviation o ration and rep	- •				
		scribe in detail	in the space p	rovided below.		
(G) Describe he	ow the necessa	ry bandwidth	was determined	i in space provided h	below. FC	C Form 442 - Page 2 March 1996

s(a). Propo []	FIXED/BASE	MOBILE		BASE AND MOBILE	
5(b). If pe	rmanently located at	a FIXED location, give below:		5(c). If mobile, descri	be the exact area of
itate	County	City or Town		operation	
Vumbon o	nd street (on other in	diantian of leastion)	 	Within the	Continental
umber a	nd street (or other in	ication of location)		Unitied Sta	tes
		,			
(b)(1). Ente	r geographical coordiantes o	exact to the nearest second (see ins	truction 10)	5(c)(1)Enter geographical conter of mobile operation	oordinates of the approximate (see instruction 10.)
lorth Latitud	le (DD-MM-SS)	West Longitude (DD-MM-SS)		North Latitude	West Longitude
0	, ,,	0 '	n	,	" 。"
d). Datu	m (see instruction 10):		D 27	NAD 83	
		ner than radar) used? 🗓 YE		NO	
	5", give the following		7 . •		
		s at the half-power point		ation in vertical plane	¥7
(5) 011		Valles	(6) 0110114	inon in volucia plano	Varies
. Is this	authorization to be us	sed for fulfilling the require	ment of a g	overnment contract w	ith an agency of the
United	States Government?	☐ YE		NO	
		Voa narrative	statement	describing the govern	ment project,
agenc	y and contact number	•			·
					
		sed for the exclusive purpose		ing radio equipment f	or export to be employe
by sta	tions under the jurisd	iction of a foreign governme	int?	NO	
by sta If "YES name	tions under the jurisd	iction of a foreign governme YES To the following the followin	ent? S X ng informa	NO tion: Provide the contr	ract number and the
If "YES name	tions under the jurisd T, attach as EXHIBIT No of the foreign govern authorization to be use	iction of a foreign governme YES Io the following the following communication of a foreign government of the research project).	ent? S X Ing informations essen	NO tion: Provide the contr tial to a research proje	ract number and the
If "YES name O. Is this cation	T, attach as EXHIBIT Nof the foreign govern	iction of a foreign governme YES Io the following the following communication of the research project). YES	ent? S X Ing informations essen	NO tion: Provide the contr tial to a research proje	ract number and the
oby star If "YES name 3. Is this cation If "YES (a) A (T, attach as EXHIBIT Nof the foreign governauthorization to be used in not the objective of the factor as EXHIBIT I description of the national section of the national section.	iction of a foreign governme VEX. Io the following the following communication of the research project). VEX. Io a narrative project be a second or content of the research project be a second or content or conten	ent? S X Ing informations essen S x statement eling conduct	NO tion: Provide the contr tial to a research proje NO provding the following	ract number and the ct? (The radio communication:
If "YES name I. Is this cation If "YES (a) A (b) A s	T, attach as EXHIBIT Nof the foreign governauthorization to be used in not the objective of the fattach as EXHIBIT I description of the national the committee of the committee	iction of a foreign governme VEX. Io the following the following communications facilities requested.	ent? S X Ing informations essent S X Statement Sing conduct Statement Statement	NO tion: Provide the contr tial to a research proje NO provding the followin sted. ssary for the research	ract number and the ct? (The radio communication:
If "YES name I. Is this cation If "YES (a) A (b) A s	T, attach as EXHIBIT Nof the foreign governauthorization to be used in not the objective of the fattach as EXHIBIT I description of the national the committee of the committee	iction of a foreign governme VEX. Io the following the following communication of the research project). VEX. Io a narrative project be a second or content of the research project be a second or content or conten	ent? S X Ing informations essent S X Statement Sing conduct Statement Statement	NO tion: Provide the contr tial to a research proje NO provding the followin sted. ssary for the research	ract number and the ct? (The radio communication:
If "YES name D. Is this cation If "YES (a) A (b) A s (c) A s O. If all in deta	T, attach as EXHIBIT Nof the foreign governauthorization to be used in not the objective of the foreign attach as EXHIBIT I description of the national the company of the matter of the second of the	iction of a foreign government year. Io the following the following communications facilities are year. Io the following communications facilities are year.	ent? S X Ing informations essent S X Statement Eling conduct ed are neces inadequate EXHIBIT No.	NO tion: Provide the contribution: Provide the contribution: Provide the contribution of the providing the following the following the following the research at the contribution of the research at the contribution of the provided the contribution of the provided the contribution of the provided the contribution of the contri	ract number and the ct? (The radio communicit? (The radio communicity information: project involved.
If "YES name D. Is this cation If "YES (a) A (b) A s (c) A s O. If all in deta (a) The	T, attach as EXHIBIT Nof the foreign governauthorization to be used in not the objective of the foreign authorization to be used in the objective of the natural flowing that the company the answers to items and the following:	iction of a foreign governme VEX. IO the following the following communications facilities are	ent? S X Ing informations essent S X Statement Eling conduct ed are neces inadequate EXHIBIT No.	NO tion: Provide the contribution: Provide the contribution: Provide the contribution of the providing the following the following the following the research at the contribution of the research at the contribution of the provided the contribution of the provided the contribution of the provided the contribution of the contri	ract number and the ct? (The radio communicit? (The radio communicity information: project involved.
If "YES name If "YES name If "YES cation If "YES (a) A (b) A s (c) A s O. If all in deta (a) The and	authorization to be used to the foreign government of the foreign government of the foreign government of the objective of the secreption of the national that the company that existing the answers to items and the following: The complete program of theory of operation.	iction of a foreign government year. Io the following the following communications facilities are year. Io the following communications facilities are year.	ent? S X Ing informations essent S X Statement Eling conduct ed are neces inadequate EXHIBIT No.	NO tion: Provide the contribution: Provide the contribution: Provide the contribution of the providing the following the following the following the research at the contribution of the research at the contribution of the provided the contribution of the provided the contribution of the provided the contribution of the contri	ract number and the ct? (The radio communicit? (The radio communicity information: project involved.
lf "YES name O. Is this cation If "YES (a) A (b) A s (c) A s O. If all the in determined (a) The and (b) The (c) Ho	authorization to be used in the foreign government of the foreign government of the foreign government of the natural factorization of the following that existing the answers to Items and the following: The complete program of theory of operation of the program of expectific objectives so we the program of experiments.	iction of a foreign government of the following communications facilities are communications facilities are 1, 8, and 9, are "NO", attach as It research and experimentations facilities are communications facilities are 1, 8, and 9, are "NO", attach as It research and experimentations facilities are 1, 8, and 9, are "NO", attach as It research and experimentations facilities are 1, 8, and 9, are "NO", attach as It research and experimentations facilities are 1, 8, and 9, are "NO", attach as It research and experimentations are 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	ont? S X Ing informa tions essen S statement eling conduct ed are nece e inadequate EXHIBIT No. on proposed	NO tion: Provide the contribution: Provide the contribution: NO providing the following ted. ssary for the research as 2 a narratic including description of contribution to the contribution to the contribution.	ract number and the cet? (The radio communicate) information: project involved. ative statement describing of equipment
If "YES name O. Is this cation If "YES (a) A (b) A s (c) A s O. If all in deta (a) The and (b) The (c) Ho exp	authorization to be used in the foreign government of the foreign government of the foreign government of the objective of the secretary of the natural through that the company of the following: The complete program of the theory of operation. The specific objectives so we the program of expansion, or utilization	iction of a foreign government year. Io the following the following communication of the research project). Io a narrative project be a narrative project be a narrative communications facilities are communications facilities are research and experimentation ought to be accomplished. In the following communication of the radio art, or is along life.	ent? S X Ing informations essent S X Statement Sing conduct Ed are neces inadequate EXHIBIT No. on proposed e promise one not aire	NO tion: Provide the contribution: Provide the contribution of contribution to the cady investigated.	ract number and the cet? (The radio communicate) cet? (The radio communicate) cets (The radio communicate) communicate in the radio communicate in
If "YES name O. Is this cation If "YES (a) A (c) A s (c) A s O. If all the in deta (a) The and (b) The (c) Howell (a). Give	authorization to be used in the foreign government of the foreign government of the foreign government of the objective of the secretary of the natural flowing that the company of the following: The answers to Items of the complete program of the complete program of the program of the program of the program of expansion, or utilization an estimate of the legistration of the section of the section of the legistration of the section of th	iction of a foreign government of the following the research project). In the following communication of the research project because of the research accilities are communications facilities are research and experimentation ought to be accomplished. The research accomplished of the radio art, or is along it ingth of time that will be required.	ent? S X Ing informations essent S statement eling conduct ed are neces e inadequate EXHIBIT No. on proposect e promise cone not aire uired to con	NO tion: Provide the contribution: Provide the contribution of contribution to the cady investigated.	ract number and the cet? (The radio communicate) cet? (The radio communicate) cets (The radio communicate) communicate in the radio communicate in
lf "YES name Is this cation If "YES (a) A (c) A s (c) A s O. If all the in detu (a) The and (b) The (c) How explain (b) If less (c) how explain the less (c) how explain t	authorization to be used in the foreign government of the foreign government of the foreign government of the objective of the secretary of the natural theory of the secretary of the program of the program of the program of expension, or utilization an estimate of the less than 2 years give to	iction of a foreign government year. Io the following the following communication of the research project). Io a narrative project be a narrative project be a narrative communications facilities are communications facilities are research and experimentation ought to be accomplished. In the following communication of the radio art, or is along life.	ent? S X Ing informations essent S X Statement Sing conduct Ed are neces inadequate EXHIBIT No. on proposed e promise of ne not alre uired to con	NO tion: Provide the contribution: Provide the contribution to the contribution to the cady investigated.	ract number and the oct? (The radio communi- g information: project involved. ative statement describin of equipment development, extension, experimentation propose
lf "YES name If "YES name Is this cation If "YES (a) A (c) A s (c) A s O. If all in deta (a) The (c) However (b) The (c) However (b) If les will 2. Wou	authorization to be used in the foreign government of the foreign government of the foreign government of the objective of the assert of the authorization of the natural complete program of the following: The answers to items and the comment and the following: The answers to items	iction of a foreign government of the following the research project). In the following communication of the research project. In the research project of the research facilities are communications facilities are research and experimentation of the research and experimentation of the radio art, or is along it in the research of time that will be required to the research of the research and experimentation has a reasonable of the radio art, or is along it in the research of time that will be required to the research of time in months.	int? S X Ing informa tions essen S statement eling conduct ed are neces inadequate EXHIBIT No. on proposed e promise of ne not alre- uired to con- that the au	NO tion: Provide the contribution: Provide the contribution NO provding the following ted. ssary for the research as 2 a narral including description of contribution to the cady investigated. Inplete the program of thorization requested in	ract number and the ct? (The radio communi- g information: project involved. ative statement describin of equipment development, extension, experimentation propose in this application
lf "YES name If "YES name Is this cation If "YES (a) A (c) A (c) A (c) A (c) A (c) A (c) The (c) Hore explication (b) If less will Would significate the signification of the	authorization to be used in the foreign governmental to the foreign government for the foreign government in the following that the companion of the following: The answers to items and the following: The complete program of the following: The program of expectives so the program of expectific objectives so the program of expectation. The specific objectives so the program of the pro	the following the following the research project. The following communication of the research project. The following communication of the research project becommunications facilities requested communications facilities are communications facilities are research and experimentation of the radio art, or is along it ingth of time that will be requested by the length of time in months to this application come with the communication come with the communication of the radio art, or is along it ingth of time that will be requested by the length of time in months to this application come with the communication come with the communication come with the communication of the communication come with the communication of the communication come with the communication of the communication	int? S X Ing informa S statement S statement S dare neces S inadequate EXHIBIT No. On proposed e promise of ne not alre uired to cont that the au hin Section	NO tion: Provide the contribution: Provide the contribution of contribution to the cady investigated. Including the following description of contribution to the cady investigated. In the cady investigated in the cady investigated in the cady investigated.	ct? (The radio communicate) ct? (The radio communicate) ct? (The radio communicate) ct. project involved. ative statement describing of equipment development, extension, experimentation proposed in this application s, such that it may have
lf "YES name If "YES name O. Is this cation If "YES (a) A (c) A s (c) A s O. If all in deu (a) The (c) Ho exp I(a). Give in the (b) If leavill Wou signiff "Y 3. List in the control of the contr	authorization to be used in the foreign governmental to the foreign governmental to the foreign government in the following that the companion of the natural the following: The answers to items and the following: The complete program of the the following: The answers to items and	iction of a foreign government of the following communications facilities are communication has a reasonable of the radio art, or is along lift in the radio art are are are art.	tions essent statement eling conducted are neces inadequate exhibit No. on proposed e promise cone not alrequired to contact that the authin Section	NO tion: Provide the contribution: Provide the contribution of contribution to the cady investigated. nplete the program of thorization requested in the cady investigated. 1.1307 of the FCC Rule YES X NO Assessment as require so state):	ct? (The radio communicate) ct? (The radio communicate) ct? (The radio communicate) ct. (The radio ct. (The r
lf "YES name If "YES name If "YES name Is this cation If "YES (a) A (c) A	authorization to be used in the foreign governmental the answers to Items and the program of the	iction of a foreign government on the following the research project. Is a narrative in a narra	int? S X Ing informa tions essent S statement eling conduct ed are neces inadequate EXHIBIT No. on proposed e promise one not alre uired to cont that the au hin Section cyronmental	NO tion: Provide the contribution: Provide the contribution of contribution to the cady investigated. The program of the prog	experimentation propose in this application s, such that it may have

14.	Is the equip	pment listed in Ite	em 13 capable of stati	on identification pursu	ant to Section 5.152	? 🔲 YES	Z	NO
15.	Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building?							
			(see instruction 9):	a is <u>Varies</u> mete	ers.			
	(b) Elevation	n of ground at a	ntenna site above me	ean sea level is <u>Var</u>	ies meters.			
	(c) Distance to nearest aircraft landing area is							
	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 profile sketch of tot I for all significant fea			_	
				iting already available.	· · · ·		•	
16.	Applicant i	S. ICheck only one	bonl					
	☐ INDIV	IDUAL 🔲 AS	SOCIATION [] PARTNERSHIP	☐ CORPORATION	1		
	☐ OTHER	(describe in spac	e provided below)					
 1 7 .	Is applicant	a foreign gover	nment or a represent	ative of a foreign gove	ernment?	☐ YES	X	NO NO
18.				d any FCC station licens	se or permit revoke	ed or had an	У	
	If "YES", att	ach as EXHIBIT N	oa s	by this Commission? tatement giving call sig	n of license or per	☐ YES	X	NO
		nd relate circumstr						
19. 	Will applie	ant be owner and	l operator of the stat	lon? 		X 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. Pamela J. Rust Supervisor-FCC Regulatory 404-810-4056							
21.	By checkin he or she is conviction e.g., corpora subject to a	s not subject to a pursuant to Section tion, partnership a denial of federa	idual applicant certif denial of federal be on 5801 of the Anti- or other unincorpora	Ties that he or she is elinefits, including FCC be Drug Abuse Act of 1988, ated association, certification that section. For defi	gible for this licen enefits, as a result of 21 U.S.C. 862. A non es that no party to	of a drug off i-individual the applicati	ense applica on is	ant,
	see 47 CFR	1.2002(b).				X YES		NO
22.	List below	all exhibits in nu	merical sequence and	i the item number of fo	orm requiring the e	exhibit ident	ified.	
Ехн	IBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBÉR	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM	NO. OF F	ORM
	1	4						
	2	10						
			<u></u>		 			
		l i	1	1	1	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:
 (l) 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.

	against the regulatory power of the OSA.	•
	Signed and dated this 13th day of	March , 19 97
	Name of Applicant AT&T CORP	
	(must correspond with na	rme given on page 11
Las	By Patricia M. Meismer (print)	Sudmie
900	(print)	(signature)
•	Title District Manager	
Ch	eck appropriate classification:	
	Individual applicant	
	Authorized employee 🛛 Office of applicant corporation or	association
WILLFUL	FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY I	FINE AND/OR IMPRISONMENT (U.S. Code, Title
18 Sect	ion 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CO	ONSTRUCTION PERMIT (U.S. Code, Title 47,
Section	312(a)(1), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	
	NOTIFICATION TO INDIVIDUALS UNDER I	PRIVACY ACT OF 1974

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 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. 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. 3507.