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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			Office address			DO NOT WRITE IN TH				
•	(Street addri No. 4)	ess, city, state,	and ZIP Code. See	instruction	File No.	PL-95				
	AT&T Corp.				/					
		Maple Aven	ue							
	Room 1136	(3 Ldge, NJ ()	7020							
					· ·					
	Attn: Mr.	. Stanley E	dinger		·					
	2(a). Application	for (check o	nly one box)		2(b). For Modifi	ication indicate below				
	New station	П мо	dification of existing a	uthorization	File No:	Call	51an-			
ŕ	J. Application fo	or modification	n indicate whethe	er change is		placement of (check a				
		—	ISSION E	-	_	CATION				
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	UINER PARI	ILULARS (Gescride	below or in attached	EXHIBIT IND.	······································					
	4. Particulars of	Operation (see	e instruction below	<i>x</i> )	<u>i</u>	T · · · · · · · · · · · · · · · · · · ·				
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6.0	to 6.5 GHz	4 dbW	76 dbW	MEAN	80KOG7W	64 K baud				
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	<u> </u>				1					
	(A) List each fr	equency or fr	equency band ser	arately. (If	more space is req	uired, attach as EXHII	3IT No. )			
• .			ut power at the tr							
	(C) Insert maxi	mum effective	e radiated power :	from the an	tenna (If pulsed e	emission, specify peak	power).			
			(See definitions in							
		-	a separately for e		cy. (See Section 2	201 of FCC Rules.)				
			the type of modul f keying in bauds							
		-	ating frequency;		•					
		y deviation o	-							
		ration and rep				•				
			scribe in detail in							
	(G) Describe ho	w the necessa	ry bandwidth wa	s determined	I in space provide	50 Deiow.				
	BW = Ri.	(info rate	) x 1/2 (symbo	ls/bit) x	2 (FEC) - 1 '	25 (BT)				
		,	1.25 = 1.93 MH		- (***) 4 1.					
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FCC Form 442 - Page 2 March 1993

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	rmanently located a	t a fixed location	give below		5(d). If mobile, de	comba the	avant anna a
State	County	City or Toy	wn		operation		CARCE LICE V
CA	Colusa	Salt Cre					_
Number a	nd street (or other is	ndication of locati	ion)				
5865 Si	11s Road						
5(c) Enter (	peographical coordientes e	vact to the nearest a			5(e). Enter geographi	ical coordinate	s of the approxi
					center of proposed a		
North Latitud	•	West Longitude			North Latitude		Longitude
38 56	22.3	122 0	. 49.6		NA	"  °	NA
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	ntation in horizontal	i plane	(0)	Orienta	tion in vertical p		······································
. Is this	uthorization to be u	sed for fulfilling	the requirement	t of a ge	vernment contra	ct with an	agency of th
	States Government?	-	T YES		NO		
If "YES"	, attach as EXHIBIT	No	, a narrative stat	lement o	isscribing the gov	vernment p	project,
agency	and contact number	•				-	•
	uthorization to be u				wP	and the wards	
Dy stati	ons under the jurisd	liction of a foreig	n government?				
-		liction of a foreig	n government?	X	NO		mbon and the
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Ì4.	Is the equ	ipment listed in	n Item 13 capable of st	ation identification pu	irsuant to Section 5.15			NO
15.	Will the a more than than a bu	n 6 meters abov	more than 6 meters a we the building, or will	above the ground, or if I the proposed antenna	a be mounted on an e	NA ting building, xisting struct	will i ure of	t ext ther
			ng (see instruction 9): ground to tip of anter		NO NA neters.			
•			-	mean sea level is				
	(c) Distanc	s to nearest al	rcraft landing area is	<del></del>		kilome	ters.	
	the op	y natural form nion of the app utical hazard of	plicant, would tend to	n-made structures (hill shield the antenna fro	s, trees, water tanks, om aircraft and there	towers, etc.) by minimize	which, the	, in
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	if any,	giving heights	in meters above grou	tical profile sketch of and for all significant ghting already availab	features Clearly indi	ing supportin loate existing	g buil portic	ding on,
3	Applicant	1st (Check only )	ono boxi		•	· · · · · · · · · · · · · · · · · · ·		
			ASSOCIATION	D PARTNERSHIP	CORPORATION	N		
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		· · · · · · · · · · · · · · · · · · ·		ntative of a foreign g		U YES		NO
L	Has applies application	nt or any part; for permit, lio	y to this application h ense or renewal denie	had any FCC station lic ad by this Commission	ense or permit revok ?		্য হি	
				statement giving call	sign of license or per	rmit YES	لقيا	NO
	revoked a	nd relate circum	istances.					
L	Will applic	ant be owner a	and operator of the su	ation?		🕅 yes		NO
				e area code) of person	who can best handle	inquiries pe	rtainin	ng
	to this app	•	Stanley Edinger	-				
		Tere	ephone Number: (	908) 221-3064				
-			BUSE CERTIFICATION:					
				in the case of an indiv enefits, pursuant to Sec				
	21 U.S.C. 86	2, or, in the case	of a non-individual	applicant (e.g., corpora	tion, partnership, or	other uninco	rporat	ed
				to a denial of federal these purposes, see 47			its, pu	
					A	X YES		NO
2	List below	all exhibits in :	numerical sequence a:	nd the item number of	form requiring the	exhibit ident	lfied.	
EXHI	HT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM	NO. OF	FORM
	1							
	2						<u> </u>	
						<u> </u>		
			i			1		
							· . <u>.</u>	

#### 28 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
  - (8) 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 walves 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	10th	day ofApril	. 19 _ 95
Name of Applicant	AT&T Corp. (AT&	&T)	
	lav	st corrospond with name given on page 11	
By James A. McCul	llough		-
1	print]	· Isignatura)	
Tiue District Ma	anager		
Check appropriate classific	ation:		
Individual applicant	Member of appl	licant partnership	
X Authorized employee	Office of applica	ant corporation or association	

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Thie 18 Section 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, This 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 specifically 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 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.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, PL. 93-579, DECEMBER 81, 1974, 5 U.S.C. 552a(eX3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 98-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

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)

		Office address and ZIP Code. Se	e instruction	File No.	NOT WRITE IN TI				
AT&T Corp 295 North Room 1136	AT&T Corp. 295 North Maple Avenue Room 1136K3 Basking Ridge, NJ 07920				4768-EX-PL-95				
Attn: Mr	. Stanley E	linger		. 5.	same but	pratu			
Za). Application	n for (check o	nly one box)		2(b). For Modification					
New station	м 🔲 Мо	dification of existing	authorization	File No:	Call	ទីខ្លែន 🗠			
3. Application f	or modification	n indicate whet	her change is	an addition or replace					
		SSION			N				
OTHER PAR	TICULARS (describe	below or in attach	ed EXHIBIT No.	)					
				······································					
4 Particulars of	Operation (rec	instruction bel							
Frequency (state whether kHz or MHz)		POWER		EMISSION	MODULATING SIGNAL	NECESSARY BANDWID			
(A)	15,0B)	(C)	<b>(D)</b>	(E)	(ŕ)	(G)			
) to 6.56 GHz	19 dbw	79 dbw	MEAN	1M93G7W	1.544 M baud	1930			
to 6.5 GHz	3 dbW	76 dbW	MEAN	80KOG7W	64 K haud	80			
<u> </u>									
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<ul> <li>(B) Insert max</li> <li>(C) Insert max</li> <li>(D) Insert "MEA</li> <li>(E) List each t;</li> </ul>	imum RF. outp imum effective AN" or "PEAK" ype of emission	at power at the radiated power See definitions	transmitter ter r from the ant in Part 5). each frequenc	more space is required rminals. Specify unit tenna (if pulsed emis cy. (See Section 2.20)	s. sion, specify peak				
(2) maximu (3) frequen (4) puise du	m audio modul cy deviation o ration and rep		;	rovided below.	,				
				in space provided b	elow.				
BW = Ri ( = 1.54	info rate) 4 Mbps x 1. tion u/S	x $1/2$ (symbol 25 = 1.93 MH: $S.E. cm^{0}$	$\frac{1s/\text{bit}}{x} \approx 2$	(FEC) x 1.25 (B Wanto to kee Lucease only	I) p-total E	RP C			
79. Sin to 15 d	ie anten	noe gain	is+64,0	buease only	ut ru	Form 442 - Page March 199			

5(a). Proposed location of transm	litter and transmitting anten MOBILE		one box) AND MOBILE	
5(b). If permanently located at a State County PA Columbia Number and street (or other indi	City or Town Roaring Creek		If mobile, descri operation	ibe the exact area of
RD #3, Box 49	cation of location)			
5(c). Enter geographical coordiantes exac	t to the nearest second	1	•••	coordinates of the approximate of operation (mobile applications)
North Latitude	West Longitude		Latitude	West Longitude
40 53 37.5	76 <sup>°</sup> 26 21.8	" 0	NA	NA NA
<ul> <li>6. Is a directional antenna (othe If "YES", give the following in (a) Width of beam in degrees</li> <li>(b) Orientation in horizontal provided in the second seco</li></ul>	at the half-power point	NO (c) Orientation in	NA n vertical plane	,
7. Is this authorization to be use United States Government? If "YES", attach as EXHIBIT No.	T YES	X NO		-
agency and contact number. 8. Is this authorization to be used by stations under the jurisdict			dio equipment i	for export to be employed
If "YES", attach as EXHIBIT No. name of the foreign governm 9. Is this authorization to be used cation is not the objective of If "YES", attach as EXHIBIT No. (a) A description of the nature (b) A showing that the commu	ent concerned. d for providing communication the research project). YES a narrative so of the research project bein unications facilities requested	ons essential to a X NO statement provdi- ing conducted. are necessary f	a research proje	ect? (The radio communi- ng information:
<ul> <li>(c) A showing that existing constraints of the ex</li></ul>	, and 9, are "NO", attach as EX essearch and experimentation ght to be accomplished.	HIBIT No1 proposed includ promise of contr	ling description	of equipment
<ul> <li>Il(a). Give an estimate of the leng in this application. 2 yea</li> <li>(b) If less than 2 years, give the will be required.</li> </ul>	th of time that will be requi	red to complete	the program of	
12. Would a Commission grant o significant environmental in		In Section 1.1307 of NO		es, such that it may have
if you answer "YES", submit a		t required by Se	ction Lisit.	
-	an Environmental Assessmen	erimental, so stat		NO. OF UNITS

	to ento od a	ipment i	more in	TOBUT TO	oupable			uni icario	on pi	irsuant	to Se	etion	0.102.		YES		NO
5.	Will the a more than than a but	16 meter	extend : rs above	more the bu	an 6 met ilding, or	ers ab will t	he prop	osed an	itenni	a be mo	ted of ounted	nane iona	xistin n exis	g bu	NA ilding struc	, will i ture o	it ext ther
	lf "YES", g (a) Overall						J YE	·		NO	NA						
	(b) Elevati				-							-					
	(c) Distance														kilome		
	(d) List an the opi	y natura nion of	l format	tions of licant, v	fexisting would ten	man-:	made s	ructures	s (hill	s, trees	, wat	er tan	ks, to	wers	, etc.)	which	, in
	(e) Submit if any, noting	giving h	neights i	n mete	rs above obstructio	ground	i for al	l signifi	lcant	feature	ructu s. Cle	re inc erly i	luding	; suj le ej	portin	ng buli ; porti	lding, on,
i.	Applicant	Ist (Chec	k enly en	ne box?						<u> </u>	•						
		IDUAL		SSOCIA	TION	. C		TNERSH	IIP	X	COF	PORA	<b>FION</b>				
	□ OTHER	descri)	be below	7)													
	Is applicant	a forei	gn gove	rnmen	t or a rep	resent	ative o	f a fore	ign g	overni	nent?				YES	X	NO
	Is applicant Has applica application	nt or an	ny party	to this	applicati	on had	i any F	CC statio	on lic	ense o		nit re	voked		had ar		
,	Has applica	nt or an for per ach as H	ny party mit, lice: EXHIBIT	to this nse or 1 No	application in the second seco	on had denied	i any F by thi	CC static Commi	on lic	ense o	r per						NO NO
	Has applica application If "YES", att	nt or an for per ach as H ad relate	ny party imit, lice: EXHIBIT clicums	to this nse or 1 No stances.	applicati renewal (	on had denied a st	i any F by thi atemen	CC static Commi	on lic	ense o	r per				had ar	ıy X	
	Has application application If "YES", att revoked an	nt or an for per ach as H ad relate ant be o title, an	iy party mit, lices EXHIBIT circums wner ar	to this nee or 1 No stances. nd oper-	application renewal ( ator of the imber (in	on had denied a st he stati	i any F by this atemen on?	CC static s Commi t giving le) of pe	on lic ission ; call	ense o ? sign oi	r peri	1 <b>90</b> or	perm	It	had ar YES YES		NO
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