## Federal Communications Commission Washington, D.C. 20554

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

(Give street, city  AT&E Lat  10450 S.	ooratories, .W. Nimbus	e. See Instruction No.	DO NOT WRITE IN THIS BLOCK  File No. 0959 - EX - PC-SS			
				2.(b) For Modification inc	licate below	
2.(a) Application for New Station		Federal Communication Office of the fication of existing aut	N/A File No.:	Call Sign:		
3. Application for n	nodification indicate c	hange in (check all th	at apply) N/A	•		
☐ Frequency		Emission	☐ Power	☐ Location		
	iculars (describe belov peration (See instructi	v or in attached Exhil ions below)	nt No	,		MECOSSIBY
Prequency (State Whether kHz or MHz)	POWER			EMISSION (E)	MODULATING SIGNAL (F)	NECESSARY BANDWIDTH (kHz) (G)
(A)	(B)	(C)	(D)		See Note 1	180 kHz
94.5 MHz	0 dBw	0 dBw	Mean	180KF8E 180KF8E	See Note 1	180 kHz
96.3 MHz	0 đBw 0 đBw	0 dBw 0 dBw	Mean Mean	180KF8E	See Note 1	180 kHz
04.1 MHz 05.9 MHz	0 dBw	0 dBw	Mean	180KF8E	See Note 1	180 kHz
			- cases is required	, attach as Exhibit No.	).	
(B) Insert maximi (C) Insert maximi (D) Insert "MEA (E) List each typ (F) Insert as app (1) the ma (2) maximi (3) frequen (4) pulse of For complex (G) Describe how	um R.F. output power um effective radiated un' or "PEAK" (See e of emission separate ropriate for the type o eximum speed of keyin um audio modulating ney deviation of carries duration and repetition emissions, describe in w the necessary bandw and FM Modulat  Peak Devia	r at the transmitter for power from the anteni definitions in Part 5) aly for each frequency of modulation:  g in bauds; frequency;  er;  rate  n detail in the space pricts was determined in the space pricts.	na (If pulsed emission).  (See Section 2.201)  Provided below.  In space provided be	on specify peak power).  FCC Rules.)		

5(a). Proposed location of transmitter and transmitting antenna (Check only one box)									
► FIXED/BASE	☐ BASE & MOBILE								
(b) If permanently located at a fixed location, give below	(d) If mobile, describe the exact area of operation								
State County City or Town									
Oregon Washington Tigard	N/A								
Number and street (or other indication of location) 10450 S.W. Nimbus Avenue									
(c) Geographical coordinates exact to the nearest second	(e) Geographical coordinates of the approximate center of proposed area of operation (mobile applications) N/A								
	North Latitude West Longitude								
North Latitude West Longitude	North Latitude								
45° 26′ 35″ 122′ 46′ 56′									
6. Is a directional antenna (other than radar) used?	☐ Yes								
If "YES", give the following information: N/A									
(a) Width of beam in degrees at the half-power point									
(b) Orientation in horizontal plane									
(c) Orientation in vertical plane	and contract with an agency of the United States Government?								
7. Is this authorization to be used for fulfilling the requirement of a government of a govern	™ No								
If "Yes", attach as EXHIBIT No. N/A, a narrative statement de	scribing the government project, agency, and contact number.								
If "Yes", attach as EXHIBIT No, a narrative statement de	scribing and government projects ago								
8. Is this authorization to be used for the exclusive purpose of developing r	edic equipment for export to be employed by stations under the jurisdiction								
Is this authorization to be used for the exclusive purpose of developing in of a foreign government?	Yes No								
If "Yes", attach as EXHIBIT No. N/A, the following information	on:								
(a) The contract number and the name of the foreign government concer	lieu.								
	o and the chiestive of the								
9. Is this authorization to be used for providing communications essential to	o a research project? (The radio communication is not the objective of the								
research project).	⊠ Yes □ No								
If "Yes", attach as EXHIBIT No, a narrative statement pr	roviding the following information:								
I was a second of the neture of the research project being conducted.									
<ul> <li>(a) A description of the nature of the research project.</li> <li>(b) A showing that the communications facilities requested are necessary.</li> <li>(c) A showing that existing communications facilities are inadequate.</li> </ul>	Total die 1862 de 1975								
(c) A snowing time existing communications									
10. If all the answers to Items 7, 8, and 9, are "No", attach as EXHIBIT	No, a narrative statement describing in detail the following:								
(a) The complete program of research and experimentation proposed inc	cluding description of equipment and theory of operation.								
(a) The complete program of research and experiments (b) The specific objectives sought to be accomplished.	a transfer expansion or utilization of the								
(c) How the program of experimentation has a reasonable promise of c	(c) How the program of experimentation has a reasonable promise of contribution to the development,								
radio art, or is along line not already investigated.									
11. (a) Give an estimate of the length of time that will be required to com	where the program of experimentation proposed in this application. See								
11. (a) Give an estimate of the length of time that will be required to comp (b) If less than 2 years, give the length of time in months that the auth	plete the program of experimentation proposed in this application. See orization requested in this application will be required. Exhibit No.2								
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(b) If less than 2 years, give the length of time in months that the auth 12. Would a Commission grant of this application come within Section 1.1 environmental impact?	plete the program of experimentation proposed in this application. See orization requested in this application will be required. Exhibit No.2 307 of the FCC Rules, such that it may have a significant								
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	transmitting equipment to be in	stalled (if experim	nental, so state):  TYPE		NO. OF UNITS			
See E	xhibit No. 2							
			·					
14. Is the equi	ipment listed in Item 13 capable	of station identifie	cation pursuant to Section 5.152	? not in	the operating			
			☐ Yes	₩ No	mode proposed			
15. Will the a	ntenna extend more than 6 mete	rs above the groun	nd, or if mounted on an existing	building will it ex	tend more than 6 meters above the			
building, o	or will the proposed antenna be	mounted on an ex	Sting structure other than a buil	aing? Æ No				
If "Yes",	give the following (See Instruct	tion 9):						
(a) Overell	I height above ground to tip of a	entenna is N/A	meters.					
(b) Elevati	ion of ground at antenna site abo	ove mean sea level	is <u>N/A</u> meters.					
(c) Distance	ce to nearest aircraft landing are	a is	N/A	kilometers.				
			(bills amon mater tentre tentre	ata \ uuhiah	in the eninion of the employeet would			
(d) List as tend to	y natural formations of existing shield the antenna from aircraf	man-made structu t and thereby mini	imize the aeronautical hazard of	the entenna	in the opinion of the applicant, would			
			·	•	,,			
	N/A	isal masfile	shough of total atmosphere including	na supporting build	ing, if any, giving heights in meters			
(e) Submit	ground for all significant feature	es. Clearly indicate	e existing portion, noting particular	ulars of aviation ob	struction lighting already available.			
16. Applicant	is (check only one box)							
☐ Indiv	vidual 🗆	Association	☐ Partnership	<b>₹</b> Con	poration			
☐ Othe	t (describe below)		·					
17. Is applica:	nt a foreign government or a rep	presentative of a fo	oreign government?	⊠ No				
10 Use smili	rent or easy party to this emplicat	ion had any FCC	station license or permit revoke	d or had any applie	cation for permit, license or renewal			
18. Has applicant or any party to this application had any FCC station license or permit revoked or had any application for permit, license or renewal denied by this Commission?								
If "Yes", attach as EXHIBIT No. N/A, a statement giving call sign of license or permit revoked and relate circumstances.								
19. Will appli	cant be owner and operator of a	tation?	⊠ Yes	□ No				
20. Give name, title, and telephone number (include area code) of person who can best handle inquiries pertaining to this application.								
Jeffrey H. Olson, Esq., Goldberg & Spector, 1229 19th Street, N.W., Washington, D.C. 20036, (202) 429-4900								
21. List below all exhibits in numerical sequence and the item number of form requiring the exhibit identified.								
EXHIBITS AND I	TEM NO. OF FORM	Exhibit	] tom	Exhibit	ltem			
Number	No. of Parm	Number	No. of Form	Number	No. of Form			
1	4(A)-(F)			1				
2	4(G),9,10,11.	<del> </del>		1				

## 22. CERTIFICATION ATTENTION: Read this certification carefully before signing this application. THE APPLICANT CERTIFIES THAT: (a) Copies of the FCC Rules 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; (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 \_ AT&E Laboratories, Inc. Name of Applicant \_ (correspond with name given on page 1) Check Appropriate Classification: WILLFUL FALSE STATEMENTS MADE ON THIS FORM ☐ Individual Applicant

## NOTIFICATION TO INDIVIDUALS UNDER PRIVACY ACT OF 1974 AND THE PAPERWORK REDUCTION ACT OF 1980

ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S.

CODE, TITLE 18, SECTION 1001.

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 Section 0.459 of FCC Rules and Regulations. Your response is required to obtain this authorization.

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.

☐ Member of Applicant Partnership

☑ Office of Applicant Corporation

or Association

☐ Authorized Employee