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

l. Applicant's Name and Post Office address (Street address, city, state, and ZIP Code. See instruction No. 4)				File No.	NOT WRITE IN TH	
ATHEROS COMMUNICATIONS, INC.				0217-1	EX-PL-20	00
529 A	LMANOR	AVENUE	-			
SUNNYV	ALE,	CA 940	85			
Z(a). Application	for (check on	ly one box)		2(b). For Modificat	ion indicate below:	:
New station	☐ Modif	fication of existing	authorization	File No.:	Call S	Sign:
E. Application for placement to in	Modification:	Check the box er the change is	beside all par an addition o	ticulars to be modif	led. Check either a	
FREQUENCY -	[EMISSION -		POWER -	LOCA	TION -
addition or	replacement?	addition or [replacement?	addition or I r	replacement? 🔲 add	dition or Treplacement?
4. Particulars of	Operation (see	instruction belo	ow)			
frequency (state whether kHz or MHz)		POWER		EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (KHz)
(A)	(B)	(C)	(D)	(E)	(F)	(G)
2400 · 2483.5 M		4000 mW	MEAN	DZW	D555	20 MHz
5150-5250 MM	50 mW	200 mW	MEAN	X7W X7W	20MHZ OFDM	20 MHz
5250-5350 MHz 5725-5850 MHz	250 mW	1000 mW 4000 mW	MEAN	X7W	ZDMHE OF DM	20 MHZ
(A) List each from the complex of th	equency or fr mum R.F. output mum effective N° or "PEAK" (pe of emission propriate for imum speed of n audio modulary deviation or ration and representations, de-	requency band so the power at the separately for the type of modern frequency of carrier; settlion rate, as or ibe in detail	eparately. (If transmitter ter from the and in Part 5). each frequential attorn: is:	more space is requireminals. Specify untenna (If pulsed emoy. (See Section 220)	nits. classion, specify peal of FCC Rules.)	k power). Specify C Form 442 - Page 2
(J) Describe no	w the necessar	" A remanded /	. Le Cever mille	upaso provided		March 1996

15.10. Pro	oposed location of trait FIXED/BASE	nsmitter and transmitting a MOBILE	intenna (oheck	BASE AND MOBILE	e type of operations:
15 Jo). If	permanently located a	t a PIXED location, give be	low:	5(c). If mobile, describ	e the exact area of
State	County	City or Town		LOS ALTOS,	SUNNYVALE,
Number	r and street (or other i	ndication of location)		MT, VIEW,	SAN JOSE, AND
				INDOOR DEMO	nstration location
5]b)(1). E	inter geographical coordiantes	exact to the nearest second (se	e instruction 10)	5(c)(1)Enter geographical co center of mobile operation	ordinates of the approximate (see instruction 10)
North Lai	titude (DD-MM-SS)	West Longitude (DD-MM-SS)		North Latitude	West Longitude
0	1 17	0 '	"	0 , "	0 ' "
5(d). Da	atum (see instruction 10	»:	NAD 27 🔲	NAD 83	
		ther than radar) used?	yes 🔼	NO	
	YES", give the followin	g information: ees at the half-power poin	t		
(b) (Orientation in horizont	al plane	(c) Orient	ation in vertical plane	
	his authorization to be ted States Governmen	used for fulfilling the req			ith an agency of the
		' No a narre	YES 🔯		ment project.
age	ncy and contact numb	er.			
E. Is the by	his authorization to be stations under the juri	used for the exclusive pur sdiction of a foreign gover	pose of develor	oing radio equipment f	or export to be employed
			YES 🖾		
nan	YES", attach as EXHIBIT ne of the foreign gove	No, the followerned.	lowing informs	ition: Provide the contr	act number and the
cati	on is not the objective	used for providing commu of the research project).	YES 🛛	NO	
If "	YES", attach as EXHIBIT	No a narra	tive statement	provding the following	g information:
(b)	A showing that the co	ature of the research proje mmunications facilities req g communications facilities	uested are nece	essary for the research	project involved.
13. If a	all the answers to Item	s 7, 8, and 9, are "NO", attach	as EXHIBIT No	a narre	ative statement describing
(a)	and theory of operatio	of research and experiment		d including description	of equipment
(p)	The specific objectives	sought to be accomplished xperimentation has a reaso	nable promise	of contribution to the d	levelopment, extension.
	expansion, or utilizatio	n of the radio art, or is alo	ng line not alre	eady investigated.	
	ive an estimate of the this application:	length of time that will be 9 YRS.	e required to co	mplete the program of	experimentation proposed
(b) If w	less than 2 years, give	the length of time in mor			
si	gnificant environmen	ant of this application come tal impact (see instruction	11)?	yes 🔀 no	
ពេ	"YES", attach as EXHIE	BIT Noa	n Environmente	al Assessment as require	ad by Section 1.1311.
	ist below transmitting	equipment to be installed (if experimenta MODEL NUM	l, so state): BER	NO. OF UNITS
A	THEROS COM	MUNICATIONS	EXPE	ZIMENTAL	20
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. 4 :,	Is the equip	ment listed in Iter	n 18 capable of statio	n identification pursuan	nt to Section 5.152?	YES NO
.t.	Will the an more than (than a build	6 meters above the	e than 6 meters above building, or will the	re the ground, or if mouse proposed antenna be referenced with the results of the	nted on an existing b nounted on an existin	ullding, will it extend g structure other
	If "YES", give the following (see instruction 9): (a) Overall height above ground to tip of antenna is meters.					
	(b) Elevation	n of ground at ant	enna site above mea	n sea level is	meters.	
	(c) Distance to nearest aircraft landing area is kilometers.					
	(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.					
	if anv.	giving heights in 1	neters above ground	l profile sketch of total for all significant feat ling already available.	structure including sures. Clearly indicate	upporting building, existing portion,
 1 3.	Applicant i	S. (Check only one b	oox?			
		_	OCIATION] partnership	CORPORATION	
		describe in space				
17.	Heg ennline	nt or any party to	this application had	ative of a foreign gover		YES NO
	application for permit, license or renewal denied by this Commission? If "YES", attach as EXHIBIT No a statement giving call sign of license or permit revoked and relate circumstances.					
15.	NO YES NO				YES NO	
210).	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. RON DAS, VICE PRESIDENT OF OPERATIONS, ATHEROS COMMUNICATIONS 529 ALMANOR AVE., SUNNYVALE, CA 94085 (408) 773-5200					
99.						
::2	List below	all exhibits in nu	merical sequence and	i the item number of fo	rm requiring the exh	ibit identified.
	HBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM

33	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: (i) 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 shove 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 21 st day of Avgust, \$2000						
	Name of Applicant ATHEROS COMMUNICATIONS, INC.						
	laust correspond with name giran on page						
	By RON DAS						

Check appropriate classification:

	Individual applicant		Member of applicant partnership
X	Authorized employee	П	Office of applicant corporation or association

TILLE VICE PRESIDENT, OPERATIONS

14 ILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 3 Section 1001), AND/OR REVOCATION 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 1984, as amended, and specified by Section 808 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 indicess. 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. 98-579, DECEMBER 31, 1974, 5 U.S.C. 552a(eX3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 9507.