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

I. Applicant's M	Name and Post	Office address		DO NOT WRITE IN THIS BLOCK				
(Street addre	ss, city, state, and ZIP Code. See Instruction			I File No.	File No.			
No. 4)								
Int-1	Total Company+:			1 AId	ALDE EVI MIJAAZ			
OTC	Corpora	llion		1 118	0185-EX-PL-2003			
014-1	Intel Corporation CTG-EPL, JF2-58							
a_{111} \wedge	E 25th	Ave.						
Hillsb	oro, OR	97124						
2(a). Application	for (check c	only one box)		2(b). For Modific	ation indicate below	7;		
New station	П ма	odification of existing	authorization	File No.:	Call	Sign:		
				particulars to be mod	lified. Check either	addition or re-		
placement to i	ndicate whet	her the change	is an addition		f parameters in the	current authorization		
FREQUENCY -		EMISSION -			POWER -			
🗙 addition or 🗌	on or 🗌 replacement? 🛛 addition or 🗍 replacement? 🔲 addition or 🗌 replacement? 🗌 addition or 🗍 rep			Idition or 🔲 replacement?				
4. Particulars of	Operation (se	e instruction be	low)					
Frequency (state whether kHz or MHz)			EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (KH2)			
(A)	(B)	(C)	(D)	(E)	(F) (GMS)	(G) (G)		
850-1910 MHZ	0.1 W	0.1 ERP	PEAK	300 KGXW	270.8 KBITS	200		
	0 GU	0 = 500	OCAU	Den Kenne	(EMSK)			
930 - 1990 MHZ	0.5W	0.5 ERP	PEAK	300 KEXW	270.8 KBITS	200		
ng på samme and besterne and best			+		· · · · · · · · · · · · · · · · · · ·			
		1						
	I		_L			l		
(A) List each fi	requency or f	requency band	separately. (I	f more space is requ	ired, attach as EXHI	BIT No		
(E) Insert max	imum R.F. out	out power at the	transmitter	terminals. Specify u	inits.	·		

- (() Insert maximum effective radiated power from the antenna (If pulsed emission, specify peak power). Specify units.
- (D) Insert "MEAN" or "PEAK" (See definitions in Part 5).
- (E) List each type of emission separately for each frequency. (See Section 2.20) of FCC Rules.)
- (F) Insert as appropriate for the type of modulation:
 - (1) the maximum speed of keying in bauds;
 - (2) maximum audio modulating frequency;
 - (3) frequency deviation of carrier;

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- (4) pulse duration and repetition rate.
- For complex emissions, describe in detail in the space provided below.

 (\mathbb{G}) . Describe how the necessary bandwidth was determined in space provided below.

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5 a). Proposed location of a	transmitter and transmitting antenn	na (check o	only one box to indicate type of operation): BASE AND MOBILE
State County	ed at a FIXED location, give below: City or Town		5(c). If mobile, describe the exact area of operation
Number and street (on oth	- Indication of leastion)		used for demonstrations
Number and street (or oth	er indication of location)		at tradeshows and events in the United States.
		· · · · · · · · · · · · · · · · · · ·	5(c)(1)Enter geographical coordinates of the approximate
5.(5)(1). Enter geographical coordi	antes exact to the nearest second (see instru	uction IU)	center of mobile operation (see instruction 10.)
North Latitude (DD-MM-SS)	West Longitude (DD-MM-SS)		North Latitude West Longitude
0 ' "	o '	"	0 ′′″0 ′′.″
5(d). Datum (see instruction	n 10): 🗋 NAD	27	NAD 83
 Is a directional antenna If "YES", give the follow 	a (other than radar) used? YES ving information:		NO
	egrees at the half-power point		
(b) Orientation in horiz	ontal plane	(c) Orientat	tion in vertical plane
7 In this outhonization to	be used for fulfilling the requireme	ont of a gr	overnment contract with an agency of the
United States Governm			NO
	IBIT No a narrative s		
agency and contact nu			
			ng radio equipment for export to be employed
by stations under the j	urisdiction of a foreign governmen	10.20	
If "YES", attach as EXHI name of the foreign go			NO Ion: Provide the contract number and the
	be used for providing communication ive of the research project).	ons essenti	al to a research project? (The radio communi-
	BIT No a narrative s		provding the following information:
(b) A showing that the	e nature of the research project bein communications facilities requested sting communications facilities are i	are neces	sary for the research project involved.
1). If all the answers to Ite	ems 7, 8, and 9, are "NO", attach as EX	HIBIT No.	a narrative statement describing
in detail the following:			including description of equipment
and theory of opera		i proposed	mentaling description of equipment
	ves sought to be accomplished.		
	tion of the radio art, or is along line		Contribution to the development, extension, dy investigated.
			plete the program of experimentation proposed
in this application:	<u>3 years</u>		
(b) If less than 2 years, g will be required:	lve the length of time in months th	hat the auti	horization requested in this application
		in Section	1.1307 of the FCC Rules, such that it may have a
5	ental impact (see instruction 11)?		YES 🔀 NO
If "YES", attach as EX	HIBIT No an Envi	ronmental	Assessment as required by Section 1.1311.
MANUFACTURER		erimental, DEL NUMBE	
Interwave (Communications	1	
Net-work -	In-A-Box (NIB)		1
	-		
	NWW.IWV.COM		EOD 5 440 - D 0
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.4.							
	Is the equipment listed in Item 18 capable of station identification pursuant to Section 5.152?		YES		NO		
E).	Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it exten more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building?						
	If "YES", give the following (see instruction 9): (a) Overall height above ground to tip of antenna is meters.						
	(b) Elevation of ground at antenna site above mean sea level is meters.						
	(c) Distance to nearest aircraft landing area is	ŀ	cilomet	ers.			
	(d) List any natural formations of existing man-made structures (hills, trees, water tanks, toy the opinion of the applicant, would tend to shield the antenna from aircraft and thereby aeronautical hazard of the antenna.	vers, ′min	etc.) w nimize	'hich, the	in		
	(e) Submit as EXHIBIT No a vertical profile sketch of total structure including if any, giving heights in meters above ground for all significant features. Clearly indicat noting particulars of aviation obstruction lighting already available.						
13.	Applicant is: (Check only one box)						
	INDIVIDUAL ASSOCIATION PARTNERSHIP & CORPORATION						
	OTHER (describe in space provided below)						
17.	Is applicant a foreign government or a representative of a foreign government? Has applicant or any party to this application had any FCC station license or permit revoked application for permit, license or renewal denied by this Commission? If "YES", attach as EXHIBIT No, a statement giving call sign of license or perm		YES had an; YES	X ×	NO		
	revoked and relate circumstances.		<u></u>				
15.	Will applicant be owner and operator of the station?	R	YES		ŅO		
90.	Give name, title, and telephone number (include area code), and Internet e-mail address (if a who can best handle inquiries pertaining to this application. Joe Helfrich Phn: 503.696-8080 Operations Mgr. JOE.HELFRICH DINTEL.COM	pplic	able) o	f pers	on		
	APPLICANT ANTI-DRUG ABUSE CERTIFICATION: By checking "YES", the individual applicant certifies that he or she is eligible for this license he or she is not subject to a denial of federal benefits, including FCC benefits, as a result of	'a dr	ug off	ense			
21.	conviction pursuant to Section 5301 of the Anti- Drug Abuse Act of 1988, 21 U.S.C. 862. A non- eg, corporation, partnership or other unincorporated association, certifies that no party to the subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for see 47 CFR 1.2002(b).	he ap	plicatio	on is	NO		
:::. :::::::::::::::::::::::::::::::::	eg. corporation, partnership or other unincorporated association, certifies that no party to the subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for	he ap or th	oplicatio ese pur YES	on is poses,			
:22	eg, corporation, partnership or other unincorporated association, certifies that no party to the subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for see 47 CFR 1.2002(b).	he ap or th	oplicatio ese pur YES t identi	on is poses,	NO		
	eg, corporation, partnership or other unincorporated association, certifies that no party to the subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for see 47 CFR 1.2002(b).	he ap or th	oplicatio ese pur YES t identi	on is poses,	NO		
:32	eg, corporation, partnership or other unincorporated association, certifies that no party to the subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for see 47 CFR 1.2002(b).	he ap or th	oplicatio ese pur YES t identi	on is poses,	NO		
:22	eg, corporation, partnership or other unincorporated association, certifies that no party to the subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for see 47 CFR 1.2002(b).	he ap or th	oplicatio ese pur YES t identi	on is poses,	NO		

March 1996

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:
 (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 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	18th	day of	July	.Jø 2003
Name of Applicant	Intel Corpo	ratton		
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By Joe	Helfrich		Ge It	<u> </u>
	(print)		lsignaturel	
Title Gentions	Monger			
Check appropriate classifi	cation:			
Individual applicant	Member of app	blicant partnership		
Authorized employee	Office of appli	cant corporation or	association	
UL FALSE STATEMENTS M	ADE ON THIS FORM A	RE PUNISHABLE BY P	INE AND/OR IMPRISONME	NT (U.S. Code Title

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title B 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 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, PL 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, PL 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.