FEDERAL COMMUNICATIONS COMMISSION

APPROVED BY QM8 3060-0085 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				DO NOT WRITE IN THIS BLOCK			
No. 4)	COMSAT C	ORPORATION		- 61		nda	
		ock Spring	Drive	1 0204	L-EX-PL-19	77	
BETHESDA , MD, 20817							
(1). Application	for (check o	nly one box)		2(b). Por Modific	ation indicate below	<b>w</b> ; ,	
New station I Modification of existing authorization				File No:	Call	Sign:	
Application for placement to 1	or Modification ndicate wheth	n: Check the box her the change l	x beside all par s an addition o	ticulars to be mod	ified. Check either	ومحمد المحمد ومحمد والمحمد المحمد المحمد والمحمد والمحمد والمحمد والمحمد والمحمد والمحمد والمحمد والمحمد والمحم	
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) <b>a. <u>11</u></b>							
- Commence of the second se	Operation (see	instruction bel	ow)				
frequency (state Reliner icity or Milly)	(3)	POWER	() Mean	EMISSION	MODULATING SIGNAL (P)	NECESSARY BANDWIDT:	
098.1625(				GXD	OOPSK	50 KHZ	
098.3650	0.9Watt	36.1dBW	< 0.01 Wat	GXD	OOPSK	50KHz	
		<u> </u>			_		
<ul> <li>) Insert maxi units.</li> <li>)) Insert "MEA</li> <li>&gt;) List each ty</li> <li>&gt;) Insert as ap (1) the maxi (2) maximum (3) frequence</li> </ul>	mum R.P. outp mum effective N" or "PEAK" pe of emission propriate for imum speed of	ut power at the e radiated powe (See definitions h separately for the type of mod f keying in baud ating frequency of carrier;	transmitter ter r from the ant in Part 5). each frequenc ulation: ig	minals. Specify ur	lission, specify pea		
For complex	r emissions, de	scribe in detail	• •				
) Describe ho	w the necessa	ry bandwidth w	vas determined	in space provided	below, FCC	: Form 442 - Page March 1991	

JUL 16. 1999 2:23PM INTELSAT OGC

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i.

	TXED/BASE	MOBILE	antenna (check		ndicate type of operation): LE	
5(b). If per State DC	County	E FIXED location, give b City or Town Washin	gton	Kc). If mobile, describe the exact area of operation		
umber an	d street (or other in	dication of location)		1		
	3400 Internat	ional Dr. NW	·			
5(15)(1). Enter	geographical coordiantes (	exact to the nearest second (s	see instruction 10)		ical coordinates of the approximate eration (see instruction 10)	
arth Latitude	(DD-MM-55)	West Longitude OD-MM-55	57	North Latitude	West Longitude	
38 • 56	5 37 .	77 • 3 ·	50 "	р '	" o "	
id). Datum	(see instruction 10):		NAD 27	NAD 83		
		er than radar) used?	yes 🗖	NO		
II" "YES", (a) Widt	give the following	information: s at the half-power point	nt 2.6	,		
(b) Orler	ntation in horizontal	plane 27.62 EL			lane <u>124.83A2</u>	
	uthorization to be us States Government?	ed for fulfilling the rea			ct with an agency of the	
IF TYES	attach as EXHIBIT N	0 & narr	YES 🔨 ative statement	NO describing the gov	vernment project,	
	and contact number.		rose of develor	ing radio equipme	int for export to be employed	
		ction of a foreign gove	rnmeni?			
	attach as BY UIDIM M			NO Nori Provide the c	contract number and the	
name of	the foreign govern	ment concerned.	nowing in orma		ondael number and the	
cation is	not the objective of	ed for providing community in a research project).	YES 🔲	NO	project? (The radio communi-	
(a) A dea (b) A sha	cription of the natu owing that the comm	re of the research proje nunications facilities req communications facilities	et being conduc juested are nece	ted. Hery for the research	_	
in detail (a) The c and t (b) The s (c) How	the following: complete program of theory of operation. medific objectives so the program of expe	8, and 9, are "NO", attach research and experiment ought to be accomplished. erimentation has a reaso of the radio art, or is alo	ntation proposed	including descrip , f contribution to t	herrative statement describin tion of equipment he development, extension,	
ia), Give a	n estimate of the ler	igth of time that will be	required to con	piete the program	of experimentation propose	
	application: than 2 years, give the required:	2 years he length of time in mor	the that the aut	horization request	ed in this application	
. Would	a Commission grant	of this application come impact (see instruction i	within Section	<b>***</b>	Rules, such that it may have	
-		No A7	느		NO quired by Section 11311.	
List be MANUF	ACTURER	ipment to be installed (	MODEL NUMB	ÉR	NO. OF UNITS	
	HPC (SIERRA		3100-0		4	
		ATOR (MEDIA4)'			4	
	ANTENA (PRO	) DELIN)	67CM K	u-Band (1671	.) 4	
	<u></u>				FCC Form 442 - Page 3	

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	Takka agulamant limat t- ti					PA)			
	is the equipment listed in its					لىيبىرا 	NO		
•	Will the antenna extend ma more than 6 meters above th than a building?	he building, or will i		be mounted on an exi					
	If "YES", give the following (see instruction 9): (a) Overall height above ground to tip of antenna is meters.								
	(b) Elevation of ground at an	ntenna site above m	ean sea level is	meters.					
	(c) Distance to nearest airora	oft landing area is _	منده ويكا عليه بجرياتك است وحدوب بيري ميتة متاه غل	كريد فاستخدت فحمد فعمد جبين أبائية أنتبته ألقية أحجا بيورين وين	kilome	210			
	(d) List any natural formatio the opinion of the applice aeronautical hazard of th	ant, would tend to s					In		
	(e) Submit as EXHIBIT No if any, giving heights in noting particulars of avia	meters above groun	d for all significant fe	atures. Clearly indica	supporting	g build portion	ling. 1.		
3.	Applicant is itheat only one	box?							
		SOCIATION	PARTNERSHIP	CORPORATION					
		- manual data batana)		<b>,</b>					
	OTHER (describe in space	e broaided below)							
1.	Is applicant a foreign govern	nment or a represen	tative of a foreign gav	ernment?	VES				
			danne er erstereft Ca.				NO		
5,	Has applicant or any party to application for permit, licens	o this application has so or renewal denied	d any FCC station licer			•			
5.	application for permit, licens if "YES", attach as EXHIBIT No	oa s	d any FCC station licer i by this Commission?	nse or permit revoked	🗖 yes	×			
	application for permit, licens if "YES", attach as EXHIBIT No revoked and relate circumsta	e or renewal denied o & s ances.	d any FCC station licer i by this Commission? tatement giving call si	nse or permit revoked	I YES	<b>X</b>	NO		
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## 33 CERTFICATION:

Attention: Read this certification carefully before signing this application.

THE APPLICANT CERTFIES 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 23	day of July	. 19 1999
Name of Applicant COMINT Co-porati	י <i>ה</i> י	
	spend with none given on page 1)	<u> </u>
Tille It Attorney	( laigneture)	
Check appropriate classification:		
Individual applicant I Member of applicant pe	artnership	

🖸 Authorized employee 🔲 Office of applicant corporation or association

INILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 113 Section 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, 11 Detion 312(2)), 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 806 therein. The information will be used by Federal Communications Commission staff to determine digibility 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 or 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 aend completed applications to this audiress. Individuals are not required to respond to this collection unless it displays a currently valid DMB control number.

"HE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, PL 98-679. 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. 3607.