Federal Communications Commission Washington, D.C. 20554

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A	PPLICATION FOR N	EXPERIMENTAL	RADIO STATION RADIO SERVICE (AUTHORIZATION UNDER OTHER THAN BROADCA	R PART S OF FCC I	RULES MH 197	
A. Applicant's I	iame and Post Office a	ddress	DO NOT WRITE IN THIS BLOCK File No. 3236-EX-PLFA2				
(Give street,	city, state, and ZIP Co	ide. See Instruction N					
			· •				
COMSAT	- Michael T.	Wade	FEES STRIPT				
950 L'E	nfant Plaza,	S.W.			• ,		
Washing	ton, DC 2002	24					
		ـ		§			
2.(a) Application	for (check only one bas	k)	, 2.(b) For Modification indicate below				
Di New Su	D New Station D Modification of existing authorization				File No.: Cell Sign: 1002		
pplication for	modification indicate	change in (check all t	hat apply)				
· D Freques	ny 🗆	Emission	D Power	Location			
	rticulars (describe belo	w or in anoched Exh	ibit No				
				,			
4. Particulars of	Operation (See instruct	tions below)					
Frequency (Sum	T		ar is		[NECESSARY	
Whether MHz or MHz)			5981W	EMISSION	MODULATING SIGNAL	BANDWIDTH BHz)	
(A)	(B)	ici V	(D)	Œ	(F)	161	
1636.5MHZ	+18Dbm	36dBW	MEAN				
to 1645 MH	Z		}				
	1		}				
			<u>}</u>			<u> </u>	
~	1		1				
			1			1	
	J	I	1	L		1	
	quency or frequency bo turn R.F. output power			attach as Exhibit No.).		
(C) Insert maxim	oum effective radiated p	power from the anteni	na (If pulsed emission	specify peak power).			
(D) Insert "MEA	N" or "PEAK" (See	definitions in Part 5)) .				
	e of emission separate ropriate for the type of	• • •	. (See Section 2.201 1	-CC Rules.)			
(1) the ma	aimum speed of keying	; in bauds;					
	um audio modulating f ncy deviation of carrier	• • ·					
	foration and repetition						
	emissions, describe in						
(G) Describe how	w the necessary bandwi	din was determined i	n space provided delo	₩,			

FCC Form 442 Page 1 February 1987

5(a). Proposed ic	cation of transmitte	er and transmitti	ng antenna (C	heck only one box)				
	BASE	🗆 мо	BILE	(J. BAS	se & Mobi	LE		
(b) If permanen	ily located at a fixe	ed location, give	below	(d) If a	nobile, descr	ibe the exact are	a of operation	
itate DC	County		or Town					
	et (or other indicati		hington					
	fant Plaza							
	coordinates exact t		bao				approximate center	of proposed
lorth Latitude		West Longin	ude		atitude	n (mobile applica	West Longitude	
•	• •		•	•	•	• •	•	•
	53 01	77	01	32			I	
. Is a direction	al antenna (other si	han radar) used?)	K) Ye	i	D No	,	
(b) Orientatio (c) Orientatio Is this author		for fulfilling the	requirement o	of a government contu No				
If "Yes", at	ach as EXHIBIT 1	No,	a narrative st	tatement describing th	e governme	ni projeci, agenc	y, and contact num	iber.
		(
		tot the exclusive	purpose of de	eveloping radio equip	ment for exp	port to be emplo	yed by stations und	er the jurisdicti
of a foreign j		IOT UNE EXCLUSIVE	purpose of de	eveloping radio equip Ver		port to be emplo		er the jurisdicti
of a foreign j		No	the following	information:				er the jurisdicti
of a foreign j If "Yes", an (a) The contri- ls this author, research proje If "Yes", an (a) A descrip (b) A showin	evernment [®] ach as EXHIBIT N act number and the ization to be used t ec(). ach as EXHIBIT N tion of the nature of	No	the following reign governm mmunucations a narrative st roject being ci requested are	Yes information: tent concerned. essential to a researc Yes tatement providing th onducted. t necessary for the re	h project? (1 e following i	The radio commi Mo information:	inication is not the	
of a foreign j If "Yes", an (a) The contri- Is this author: research proje If "Yes", an (a) A descrip (b) A showin (c) A showin (c) A showin (c) The comp (b) The speci (c) How the	evernment ⁹ ach as EXHIBIT N act number and the ization to be used t ecf). ach as EXHIBIT N tion of the nature of g that the commun g that existing com wers to litems 7, 8, lite program of re fic objectives soup	No	the following reign governm mmunications a narrative st roject being cu requested are littles are inade "", attach as E fimentation pro ished. reasonable pro	Yes information: tent concerned. essential to a researc Yes tatement providing th onducted. t necessary for the re	h project? (1 e following i search project , a narral , a narral	The radio comm information: ct involved. ive statement des guipment and the	infeation is not the scribing in detail th ory of operation.	objective of the
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•			tal on state):		
	a transminiag equipment ACTURER	to be installed (if experimen	TYPE		NO. OF UNITS
Magnav	NOX	Mis- 7.4-	CARGON .		-
Mayna	VOX		OO SATCOM		1
		MX- 202	юP		
4. Is the equ	ipment listed in Item 13	capable of station identificati	ion pursuant to Section 5.15	2?	· ·
			Ø Yes	10 No	
5. Will the a building.	intenna extend more than or will the proposed ante	6 meters above the ground, inna be mounted on an existi	or if mounted on an existin ng structure other than a bu	g building will it extend a ilding?	nore than 6 meters above the
			🖸 Yes	DE No	
If "Yes",	, give the following (See	Instruction 9):			
(a) Overal	I beight above ground to	tip of antenna is	_ meters.		
(d) Elevati	ion of ground at antenna	site above mean sea level is			
(c) Distanc	ce to nearest aircraft land	ling area is		kilometers.	
eds Time on	w assured formations of a	nisting man made structure	A 114	anna an Indiah ia thu	aninim of the continue of the
	A DELOIGI IVIIMUVII VI -				
tend to		aircraft and thereby minimiz	hills, trees, water tanks, to be aeronautical hazard o		opinion of the applicant, wo
tend to					opinion of the applicant, wo
tend to					opinion of the applicant, wo
	shield the antenna from	aircraft and thereby minimiz	ze the aeronautical hazard o	f the antenna.	
€e) Submit	as EXHIBIT No.	aircraft and thereby minimiz	ze the aeronautical hazard o	if the antenna.	any, giving heights in meters
€e) Submit	as EXHIBIT No.	aircraft and thereby minimiz	ze the aeronautical hazard o	if the antenna.	any, giving heights in meters
fe) Submit above j	a shield the antenna from t as EXHIBIT No.	aircraft and thereby minimiz	ze the aeronautical hazard o	if the antenna.	any, giving heights in meters
fe) Submit above j	as EXHIBIT No.	aircraft and thereby minimiz	ze the aeronautical hazard o such of total structure includi kisting portion, noting partic	of the antenna. ing supporting building, if culars of aviation obstruction	any, giving heights in meters on lighting already available.
(e) Submit above g 6. Applicant i D Indiv	as EXHIBIT No ground for all significant is (check only one box)	aircraft and thereby minimiz	ze the aeronautical hazard o	if the antenna.	any, giving heights in meters on lighting already available.
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Page 3 February 1987

2. 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 e 	experimentation which will be conducted by qualified person
and (c) All operations will be on an experimental basis in accordance with Part 5 and c and at such a time as to preclude barmful interference to any authorized station (d) Grant of the authorization requested herein will not be construed as a finding or	; and
 that the frequencies and other technical parameters specified in the author perimentation, and 	nization are the best suited for the proposed program of ex-
(2) that the applicant will be authorized to operate on any basis other than ex-	perimental, and
(3) that the Commission is obligated by the results of the experimental progra allocations for applicant's type of operation on a regularly licensed basis.	
APPLICANT CERTIFIES FURTHER THAT:	
(c) All the statements in the application and attached exhibits are true, complete an	d correct to the best of the applicant's knowledge; and
(f) The applicant is willing to finance and conduct the experimental program with f	full knowledge and understanding of the above limitations;
(g) The applicant waives any claim to the use of any particular frequency or of the electronic states and the states of any particular frequency or of the electronic states and the states are states and the states are states and the states are states ar	• •
Signed and dated this Dth day of	
Name of Applicant <u>Michael T. Wade (COMSAT)</u> (correspond with a	name given on page 1)
	ρ / ρ
Michael T. Wade April	. alada
(print)	(signature)
Director, Applications Engineering	
Tuk	Check Appropriate Classification:
WILLFUL FALSE STATEMENTS MADE ON THIS FORM	- Individual Applicant
CODE, TITLE 18, SECTION 1001.	Member of Applicant Partnership
	Office of Applicant Corporation or Association
	Authorized Employee
NOTIFICATION TO INDIVIDUALS UNDER PL AND THE PAPERWORK REDUCTION Information requested through this form is authorized by the Communications Act of 1 The information will be used by Federal Communications Commission staff to determin quency spectrum and to effect the provisions of regulatory responsibilities rendered the form will be available to the public unless otherwise requested pursuant to Section 0.4 quired to obtain this authorization. THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.1 and the Paperwork Reduction Act of 1980, P.L. 96-511, December 11, 1980, 44 U.S.	NACT OF 1980 1934, as amended, and specifically by Section 308 therein. ine eligibility for issuing authorizations in the use of the fre e Commission by the Act. Information requested by this 59 of FCC Rules and Regulations. Your response is re- L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3),
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