¥____

E. -

1.

·. ·

. . . .

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 No. 4) COMSAT RSI, Inc. 1501 Moran Road Sterling, Virginia 20166				DO NOT WRITE IN THIS BLOCK File Na 4797-EX-XPL~95 M				
2(a). Application	a). Application for (check only one box)				2(b). For Modification indicate below:			
New station Modification of existing authorization				File No: an addition or replac	Call Sign: KM2XRE			
	ILULANS (ONET I	be below or in attachi	KI EXHIBIT NO	/				
	Operation (s	e instruction bei	ow).	r		······································		
Frequency (state	Operation (s	e instruction belo	ow).	EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDT		
Frequency (state whether kHz or (1)	60	POWER	0	(E)				
Frequency (state whether title or the (A) 912-1025	100 MW	POWER (C) 4 Watts	D Mean	CE 2K00A2N/NON	SIGNAL	(KHz)		
Frequency (state whether title or (state (A) 912-1025 1040-1088	69 100 MW 100 MW	POWER (C) 4 Watts 4 Watts	D Mean Mean	D 2K00A2N/NON 2K00A2N/NON	SIGNAL	(KHz)		
Frequency (state whether title or (state) 912-1025 1040-1088 1103-1213	69 100 MW 100 MW 100 MW	POWER (C) 4 Watts 4 Watts 4 Watts	D Mean Mean Mean	02 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON	SIGNAL	(KHz)		
Frequency (state whether kills or (1) (W) 912-1025 1040-1088 1103-1213 1500-1700	69 100 MW 100 MW 100 MW 100 MW	POWER (C) 4 Watts 4 Watts 4 Watts 4 Watts	D Mean Mean Mean Mean	(E) 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON	SIGNAL	(KHz)		
Frequency (state whether tile or (1) (A) 912-1025 1040-1088 1103-1213 1500-1700 3400-4200	689 100 MW 100 MW 100 MW 100 MW 100 MW	POWER (C) 4 Watts 4 Watts 4 Watts 4 Watts 100 Watts	D Mean Mean Mean Mean Mean	(C) 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON	SIGNAL	(KHz)		
Frequency (idea whether this or (1) 912-1025 1040-1088 1103-1213 1500-1700 3400-4200 5600-5650	680 100 MW 100 MW 100 MW 100 MW 100 MW 100 MW	POWER (C) 4 Watts 4 Watts 4 Watts 4 Watts 100 Watts 100 Watts	D Mean Mean Mean Mean Mean Mean	Image: colored system 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON	SIGNAL	(KHz)		
Frequency (idea whether this or (1) 912-1025 1040-1088 1103-1213 1500-1700 3400-4200 5600-5650 7250-8400	68) 100 MW 100 MW 100 MW 100 MW 100 MW 100 MW 100 MW	POWER (C) 4 Watts 4 Watts 4 Watts 4 Watts 100 Watts 100 Watts 100 Watts	O) Mean Mean Mean Mean Mean Mean	CD 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON	SIGNAL	(KHz)		
Frequency (idea whether tits or (1) 912-1025 1040-1088 1103-1213 1500-1700 3400-4200 5600-5650 7250-8400	680 100 MW 100 MW 100 MW 100 MW 100 MW 100 MW	POWER (C) 4 Watts 4 Watts 4 Watts 4 Watts 100 Watts 100 Watts	D Mean Mean Mean Mean Mean Mean	Image: colored system 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON	SIGNAL			
Frequency (state whether totz or white	68) 100 MW 100 MW 100 MW 100 MW 100 MW 100 MW 100 MW	POWER (C) 4 Watts 4 Watts 4 Watts 4 Watts 100 Watts 100 Watts 100 Watts	O) Mean Mean Mean Mean Mean Mean	CD 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON 2K00A2N/NON	SIGNAL	(KHz)		

(C) Insert maximum effective radiated power from the antenna (if pulsed emission, specify peak power).

(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;
- (4) pulse duration and repetition rate.

For complex emissions, describe in detail in the space provided below.

(G) Describe how the necessary bandwidth was determined in space provided below.

 .E	
SCRIDE	e the exact area of
	rdinates of the approximate operation (mobile applications)
T T	West Longitude
"	a ' "
Exl	hibit A)
1110	<u> </u>
	h an agency of the ent project,
	export to be employed
wing	? (The radio communi- information: roject involved.
lon of	ve statement describin f equipment velopment, extension,
of ex	kperimentation propose
d in '	this application
ul es , s	such that it may have
- <u>-</u>	NO. OF UNITS
	Four

· ·

ι..

14.	Is the eq	ulpment listed in	Item 13 capable of sta	ation identification purs	mant to Section 5.152?	YES	X	NO
15,	Will the more tha than a bi	TI O METELE SDOVE	the building, or will	bove the ground, or if n the proposed antenna b X YES NO	be mounted on an exist	building,	will : ture o	lt ext ther
			g (see instruction 9):	na is <u>24.4</u> me				
	(b) Elevat	ion of ground at	antenna site above n	nean sea level is	5 meters			
	(c) Distan	ice to nearest airc	raft landing area is .	6.6		kilome	ters	
	tn e op	ny natural format vinion of the appl autical hazard of	icant, would tend to s	-made structures (hills, shield the antenna from	trees, water tanks, tow aircraft and thereby	vers, etc.) minimize	which, the	in
		es on and a uctures.	round Test Rar	nge Site exceed	the height of	all		
	(e) Submit	AS EXHIBIT No	C a verti	cal profile sketch of tot				
	ii any,	giving neighus 1	n meters above groun	al profile sketch of tot id for all significant fee hting already available.	atures. Clearly indicate	supportin existing	g bull portic	ding on,
i.	Applicant	is (Check only on	o boxi		<u></u>			
			SSOCIATION	PARTNERSHIP	X CORPORATION			
					XI CORPORATION			
	🔲 отне	R (describe below	•)					
	is applican	t a foreign gover	rnment or a represent	tative of a foreign gove	ernment? [] yes		NO
	Has applice	ant or any party	to this application ha	tative of a foreign gove d any FCC station licens i by this Commission?		or had an	y	
4	Has application	ant or any party for permit, licer	to this application hans or renewal denied	d any FCC station licens	se or permit revoked (or had and YES		NO NO
4 	Has application application of "YES", at revoked as	ant or any party for permit, licen tach as EXHIBIT 1 nd relate circums	to this application hans or renewal denied	d any FCC station licens i by this Commission? tatement giving call sig	se or permit revoked ([n of license or permit	or had and YES	y	
1	Has application application of "YES", at revoked an Will applic	ant or any party for permit, licen tach as EXHIBIT 1 nd relate circums ant be owner an a title, and telepho	to this application hanse or renewal denied Noa s tances. d operator of the stat	d any FCC station licens i by this Commission? tatement giving call sig	se or permit revoked ([n of license or permit	or had an YES		NO [.]
1	Has application application of "YES", at revoked an Will applic Dive name o this app	ant or any party for permit, licentiach as EXHIBIT 1 and relate circumstant be owner an ant be owner an a, title, and telepho- lication. (703)	to this application hanse or renewal denied Noa s lances. d operator of the stat one number (include 450-5680	d any FCC station licens i by this Commission? tatement giving call sig	se or permit revoked ([n of license or permit [ho can best handle inq	or had an YES		NO [.]
1 1 . (Has application application of "YES", at revoked an Will applic Give name o this app Donale	ant or any party for permit, licen- tach as EXHIBIT 1 and relate circumst ant be owner an at the owner an at title, and telepho- lication. (703) d Matz, Vice	to this application hanse or renewal denied Noa s lances. d operator of the stat one number (include 450-5680	d any FCC station licens i by this Commission? statement giving call sign tion? area code) of person with	se or permit revoked ([n of license or permit [ho can best handle inq	or had an YES		NO [.]
	Has application application if "YES", at revoked an Will applic Dive name o this app Donalo APPLICANT By checkin tenial of f ti U.S.C. 860 association)	ant or any party for permit, licentia tach as EXHIBIT 1 and relate circums ant be owner an at the owner an at title, and telepho- lication. (703) d Matz, Vice F ANTI-DRUG AB by "YES", the appli- descal benefits, to a or, in the case of a no party to the	to this application has nee or renewal denied Noa s tances. d operator of the stat one number (include 450-5680 e President Se USE CERTIFICATION: cant certifies that, in that includes FCC ben of a non-individual a applicant is subject t	d any FCC station licens i by this Commission? tatement giving call sig tion? area code) of person with nior Electrical the case of an individu efits, pursuant to Sectio applicant (eg. corporatio to a denial of federal be	se or permit revoked (in of license or permit for an best handle inc Engineer hal applicant, he or sho n 5301 of the Anti- Dr n, partnership, or othe enefits, that includes F	or had an YES X YES uiries per e is not su ug Abuse er unincon CC benef	y Talnin bject Act of	NO NO g to '198 d rsua
- 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Has application application of "YES", at revoked an Will applic Give name o this app Donalo Donalo APPLICANT By checkin lenial of f il U.S.C. 902 ssociation) o that sect	ant or any party for permit, licen- tach as EXHIBIT 1 and relate circumst ant be owner an at the owner at at the owner at the owner at the owner at the owner at at the owner at the owner at the owner at at the owner at the owner at the owner at at the owner at the owner at the owner at the owner at at the owner at the owner at the owner at the owner at at the owner at the owner at the owner at at the owner at the at the owner at the at the owner at t	to this application hanse or renewal denied Noa s tances. d operator of the stat one number (include 450-5680 e President Se USE CERTIFICATION: cant certifies that, in that includes FCC ben of a non-individual s applicant is subject to nition of "party" for t	d any FCC station licens i by this Commission? tatement giving call sig tion? area code) of person with nior Electrical the case of an individu efits, pursuant to Sectio applicant (eg. corporatio to a denial of federal be these purposes, see 47 Cl	se or permit revoked (in of license or permit ho can best handle ing Engineer hal applicant, he or sho n 5301 of the Anti- Dr n, partnership, or othe enefits, that includes F FR 1.2002(b).	YES YES WITIES PER UNITIES PER E is not su ug Abuse Fr unincon CC benef YES	y Talnin bject Act of porate its, put	NO NO g to 1988
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Has application application of "YES", at revoked an Will applic Give name o this app Donalo Donalo APPLICANT By checkin lenial of f il U.S.C. 902 ssociation) o that sect	ant or any party for permit, licen- tach as EXHIBIT 1 and relate circumst ant be owner an at the owner at at the owner at the owner at the owner at the owner at at the owner at the owner at the owner at at the owner at the owner at the owner at at the owner at the owner at the owner at the owner at at the owner at the owner at the owner at the owner at at the owner at the owner at the owner at at the owner at the at the owner at the at the owner at t	to this application hanse or renewal denied Noa s tances. d operator of the stat one number (include 450-5680 e President Se USE CERTIFICATION: cant certifies that, in that includes FCC ben of a non-individual s applicant is subject to nition of "party" for t	d any FCC station licens i by this Commission? tatement giving call sig tion? area code) of person with nior Electrical the case of an individu efits, pursuant to Sectio applicant (eg. corporatio to a denial of federal be	se or permit revoked (in of license or permit ho can best handle ing Engineer hal applicant, he or sho n 5301 of the Anti- Dr n, partnership, or othe enefits, that includes F FR 1.2002(b).	or had an YES YES UITIES PER UITIES PER E is not su UG Abuse F UNINCON CC benef YES Ibit identi	y Talnin bject Act of porate its, put	NO NO g to 1988 sd rsuar NO
- 4 1 1 1 2 4 2 2 4 4 2 2 4 4 4 2 2 4 4 4 4	Has application application of "YES", at revoked an Will applic Dive name o this app Donalo APPLICANT By checkin lenial of f it U.S.C. 862 ssociation) o that sect list below	ant or any party for permit, licent tach as EXHIBIT 1 and relate circums ant be owner an title, and telepho- lication. (703) d Matz, Vice ANTI-DRUG AB g YES, the applited ederal benefits, to a or, in the case of , no party to the ion. For the definant	to this application has se or renewal denied Noa s tances. d operator of the stat one number (include 450-5680 e President Se USE CERTIFICATION: cant certifies that, in that includes FCC ben of a non-individual a applicant is subject to nition of "party" for to americal sequence and	d any FCC station licens i by this Commission? tatement giving call sig tion? area code) of person with nior Electrical in the case of an individu efits, pursuant to Section applicant (e.g. corporation to a denial of federal be these purposes, see 47 Cl in the item number of for	se or permit revoked of in of license or permit boom best handle income Engineer al applicant, he or sho n 5301 of the Anti- Dr n, partnership, or othe enefits, that includes F FR 1.2002(b).	or had an YES YES UITIES PER UITIES PER E is not su UG Abuse F UNINCON CC benef YES Ibit identi	y talnin bject Act of porate its, pu: fied.	NO NO g to 1988 sd rsuar NO
- ((t - (t - (- (- (- (- (- (- (- (- (- (Has application application of "YES", at revoked an Will applic Give name o this app Donalo APPLICANT By checkin lenial of f il U.S.C. 907 ssociation) o that sect list below	ant or any party for permit, licentia tach as EXHIBIT 1 and relate circumst ant be owner an at the owner at the owner at the owner at the owner at at the owner at the owner at the at the owner at the owner at the owner at the at the owner at the owner at the owner at the at the owner at the owner at the owner at the owner at the at the owner at the owner at the owner at the owner at the at the owner at the owner at the owner at the owner at the at the owner at the owner at the owner at the owner at the at the owner at the owner at the owner at the owner at the at the owner at the owner	to this application has se or renewal denied Noa s tances. d operator of the stat one number (include 450-5680 e President Se USE CERTIFICATION: cant certifies that, in that includes FCC ben of a non-individual a applicant is subject to nition of "party" for to americal sequence and	d any FCC station licens i by this Commission? tatement giving call sig tion? area code) of person with nior Electrical in the case of an individu efits, pursuant to Section applicant (e.g. corporation to a denial of federal be these purposes, see 47 Cl in the item number of for	se or permit revoked of in of license or permit boom best handle income Engineer al applicant, he or sho n 5301 of the Anti- Dr n, partnership, or othe enefits, that includes F FR 1.2002(b).	or had an YES YES UITIES PER UITIES PER E is not su UG Abuse F UNINCON CC benef YES Ibit identi	y talnin bject Act of porate its, pu: fied.	NO NO g to 1988 sd rsuar NO
- ((t - (t - (- (- (- (- (- (- (- (- (- (Has application application of "YES", at revoked an Will applic Jive name o this app Donalo APPLICANT By checkin lenial of f it U.S.C. 900 ssociation) o that sect list below	Ant or any party for permit, licen- tach as EXHIBIT 1 and relate circumst ant be owner an at the owner an ant be owner an attemption of the all exhibits in nu- all exhibits in nu-	to this application has se or renewal denied Noa s tances. d operator of the stat one number (include 450-5680 e President Se USE CERTIFICATION: cant certifies that, in that includes FCC ben of a non-individual a applicant is subject to nition of "party" for to americal sequence and	d any FCC station licens i by this Commission? tatement giving call sig tion? area code) of person with nior Electrical in the case of an individu efits, pursuant to Section applicant (e.g. corporation to a denial of federal be these purposes, see 47 Cl in the item number of for	se or permit revoked of in of license or permit boom best handle income Engineer al applicant, he or sho n 5301 of the Anti- Dr n, partnership, or othe enefits, that includes F FR 1.2002(b).	or had an YES YES UITIES PER UITIES PER E is not su UG Abuse F UNINCON CC benef YES Ibit identi	y talnin bject Act of porate its, pu: fied.	NO NO g to 198 sd rsual NO
- ((t - (t - (- (- (- (- (- (- (- (- (- (Has application application of "YES", at revoked an Will applic Dive name o this app Donalo APPLICANT By checkin lenial of f it U.S.C. 862 issociation) o that sect ist below	Ant or any party for permit, licen- tach as EXHIBIT 1 and relate circumst ant be owner an a, title, and telepho- lication. (703) d Matz, Vico T ANTI-DRUG AB g "YES", the appli- ederal benefits, t 2, or, in the case of , no party to the ion. For the defin- all exhibits in nu- ited NO. OF FORM 6 7	to this application has se or renewal denied Noa s tances. d operator of the stat one number (include 450-5680 e President Se USE CERTIFICATION: cant certifies that, in that includes FCC ben of a non-individual a applicant is subject to nition of "party" for to americal sequence and	d any FCC station licens i by this Commission? tatement giving call sig tion? area code) of person with nior Electrical in the case of an individu efits, pursuant to Section applicant (e.g. corporation to a denial of federal be these purposes, see 47 Cl in the item number of for	se or permit revoked of in of license or permit boom best handle income Engineer al applicant, he or sho n 5301 of the Anti- Dr n, partnership, or othe enefits, that includes F FR 1.2002(b).	or had an YES YES UITIES PER UITIES PER E is not su UG Abuse F UNINCON CC benef YES Ibit identi	y talnin bject Act of porate its, pu: fied.	NO NO g to 198 sd rsua. NO

· · · ·

1

23. CERTFICATION:

X

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 dat	ed this2	7	day of	ARIL	. 19 <u>95</u>
Name of Applic	ant COMSA	IT RSI,	INC.		
By DONAL	LD W. MATZ	Invist corre	spond with nom	given en pege 11 Gralel NIM	int of
• <u> </u>	(print)			lsignatural	37
TILL VICE	PRESIDENT	SENIOR ELE	CTRICAL	ENGINGER	
Check appropriate	classification:				
Individual app	plicant 🗌 Mem	ber of applicant p	artnership		

Authorized employee 🛄 Office of applicant corporation or association

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18 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 1964, as amended, and specificall 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 47 CFR 0.459 of the 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. 98-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 98-511, DECEMBER 11, 1980, 44 U.S.C. 3507.