Federal Communications Commission Washington, D.C. 20554

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

A. Applicant's Name and Post Office address (Give street, city, state, and ZIP Code. See Instruction No. 4)			DO NOT WRITE IN THIS BLOCK			
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2.(a) Application Renewal	for (check only one be	ox)		2.(b) For Modification indicate below		
☐ New Sta	tion 🗆 Mo	dification of existing	authorization	File No.:	Call Sign:	
3. Application for	modification indicate	change in (check al	l that apply)	**************************************		· · · · · · · · · · · · · · · · · · ·
Frequenc	у 🗆	Emission	☐ Power	☐ Location		•
	riculars (describe belo Operation (See instruc		thibis No.			
	T T T T T T T T T T T T T T T T T T T			T	7	NECESSARY
Frequency (Same Whether LHz or MHz)		POWER	T	EMISSION	MODULATING SIGNAL	BANDWIDTH (LHz)
(A)	(D)	<u>(C)</u>	(D)	(E)	(F)	4G1
TX: 1626.5 -					 	
1646.5	14 7400	16 dBW	Peak	Cl	1200 Baud	5 kHz
1040.5	14.7dBW	10 ади	reak	G1	1200 Badd	3 KHZ
RX:			 		 	
1530.0-		·····				
1545.0						
(A) List each frequency or frequency band separately. (If more space is required, attach as Exhibit No						
			·			

North Latitude West Longitude	5(a). Proposed local	tion of transmitte	er and transmitting amenna (Check only one box)		•	
State	☐ FIXED/BA	ASE	MOBILE	☐ BASE & M	OBILE		
ALONG THE GULF COAST OF USA Number and street (or other indication of location) (c) Geographical coordinates exact to the nearest second	(b) If permanently	located at a fixed	d location, give below	(d) If mobile, d	escribe the exact are	a of operation	
North Latitude West Longitude North Latitude North Latitude	State	County	City or Town	AT ONC TH	IF CILL COAC	TO OF TICA	
A state and programment of the than radary used? Yes	Number and street (or other indication	on of location)	ALONG IN	IE GULF COAS	I OF USA	
North Latitude West Longitude					···		
6. Is a directional antenna (other than radar) used? If "YES", give the following information: (a) Width of beam in degrees at the half-power point	(c) Geographical coo	ordinates exact to	the nearest second		(e) Geographical coordinates of the approximate center of proposed area of operation (mobile applications)		
If "YES", give the following information: (a) Width of beam in degrees at the half-power point	North Latitude	,	West Longitude	I	,	West Longitude	
If "YES", give the following information:					İ		
(a) Width of beam in degrees at the half-power point	6. Is a directional a	ntenna lother tha	n radar) used?	☐ Yes	□ No		
(c) Orientation in horizontal plane	If "YES", give t	the following info	ormation:				
If "Yes", attach as EXHIBIT No	(b) Orientation in	horizontal plane					
If "Yes", attach as EXHIBIT No, a narrative statement describing the government project, agency, and contact number. Is this authorization to be used for the exclusive purpose of developing radio equipment for export to be employed by stations under the jur of a foreign government. If "Yes", attach as EXHIBIT No, the following information: (a) The contract number and the name of the foreign government concerned. Is this authorization to be used for providing communications essential to a research project? (The radio communication is not the objective research project)	7. Is this authorization	on to be used for	fulfilling the requirement o		in agency of the Uni	ted States Government?	
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	environmental impac	1?		☐ Yes	⊠ KNo		
If you answer yes, submit an Environ nental Assessment required by Section 1.1311.	If you answer yes, s	ubmit an Enviror	, nental Assessment required	1 by Section 1.1311.			

Saturn C 1						
15. Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building. Yes	EB Ne	ra		Saturn C		1
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FCC Form 442 Page 3 February 1987

22 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 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
 - (1) 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:

(f)	The applicant is willing to finance and conduct the es	xperimental program with full knowledge i	and understanding of the above limitations; and
(g)	The applicant waives any claim to the use of any partic	ular frequency or of the electromagnetic spe	extrum as against the regulatory power of the USA.

(e) All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and

Signed and dated this	day of May	
Name of Applicant	Mackay Communications Inc.	
	(correspond with name given on page	: 1)

D.	Theresa M. Masarik	Clouse M. Masaril
- , .	(print)	(signature)

Marketing/Sales Supervisor
Title ______ Check

Check Appropriate Classification:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

- ☐ Individual Applicant
- ☐ Member of Applicant Partnership
- Office of Applicant Corporation or Association
- Authorized Employee

NOTIFICATION TO INDIVIDUALS UNDER PRIVACY ACT OF 1974 AND THE PAPERWORK REDUC TON ACT OF 1980

Information requested through this form is authorized by the Communications Act of 1934, as amended, and specifically 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 Section 0.459 of 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. 93-579, 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. 3507.