## FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

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Approved by OMB 3060-0065 Expires 12/31/92

for reviewing reviewing the o tion of inform Managing Direct	instructions, se collection of in ation, including tor, Washingtor	earching existing c oformation. Send c g suggestions for h, DC 20554, and	data sources, gathe comments regarding r reducing this bu	nated to average 4 ho ring and maintaining this burden estimate inden to Federal Cor Information and Regu- ton, DC 20503.	the data needed, an or any other aspec nmunications Commi	d completing and t of this collec- ssion, Office of
				TATION AUTHORI		
Mackay Raritan 300 Col P.O. Bo	ity, state, and ZIP Communicat: Center umbus Circi	Code. See Instruction ions Inc le	No. 4)	DO NO File No. 3988	DT WRITE IN THIS BL	OCK
2.(a) Application fo	w (check only one	box)		2.(b) For Modification i	ndicate below	<u> </u>
🔺 New Stati	on 🗆 N	Addification of existing	authorization	File No.:	Call Sign:	
Frequency     Other part		L Emission	Power  xhibit No	Location		
4. Particulars of C	peration (See instr	ructions below)	······································		·····	·····
Frequency (State Whether kHz or MHz) (A)	(B) (C) (D)		(D)	EMISSION (E)	MODULATING SIGNAL (F)	NECESSARY BANDWIDTH (kHz) (G)
Tx: (MHZ)		EPIRB				
1626.5-	15W	27 dBW	Peak	0-OPSK	8 kBit/s	10 KHz
1646.5						
Rx:(MHz) 1525-1545						
<ul> <li>(B) Insert maximu</li> <li>(C) Insert maximu</li> <li>(D) Insert "MEAI</li> <li>(E) List each type</li> <li>(F) Insert as appro-</li> <li>(1) the max</li> <li>(2) maximu</li> <li>(3) frequence</li> <li>(4) pulse du</li> </ul>	im R.F. output poo im effective radiate N" or "PEAK" (S of emission separ- opriate for the type imum speed of key m audio modulatin cy deviation of car- uration and repetitie emissions, describe	wer at the transmitter to ed power from the anter See definitions in Part ately for each frequence of modulation: ying in bauds; ag frequency; rier; on rate. e in detail in the space	erminals. Specify units enna (If pulsed emission 5). cy. (See Section 2.201	n specify peak power).	).	•

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(a). Proposed location of transmitter	and transmitting antenna (Check only	one box)			
□ FIXED/BASE	X MOBILE	🗍 BASE & MOBILE			
(b) If permanently located at a fixed	(b) If permanently located at a fixed location, give below		of operation		
State County	City or Town				
Number and street (or other indication	n of location)	Within the USA			
(c) Geographical coordinates exact to	the nearest second	(e) Geographical coordinates of the approximate center of proposed area of operation (mobile applications)			
North Latitude	West Longitude	North Latitude	West Longitude		
6. Is a directional antenna (other that	n radar) used?	X Yes 🗌 No			
If "YES", give the following info					
(a) Width of beam in degrees at the (b) Orientation in horiental plane	he half-power point 27				
<ul><li>(b) Orientation in horizontal plane</li><li>(c) Orientation in vertical plane Q</li></ul>	<u> </u>				
· · · ·					
7. Is uns authorization to be used for	r fulfilling the requirement of a govern	ment contract with an agency of the Un X No	neu states Government?		
If "Yes", attach as EXHIBIT No.		escribing the government project, agency	, and contact number.		
		6 krojeer, afenej	,		
8. Is this authorization to be used for	r the exclusive purpose of developing 1	adio equipment for export to be employ	ed by stations under the jurisdiction		
of a foreign government?		🗆 Yes 🖾 No			
If "Yes", attach as EXHIBIT No	, the following information	on:			
	name of the foreign government concer				
9. Is this authorization to be used for research project).	r providing communications essential to	a research project? (The radio commun Yes X No	nication is not the objective of the		
	, a narrative statement pr the research project being conducted.	oviding the following information:			
	ations facilities requested are necessary unications facilities are inadequate.	for the research project involved.			
10. If all the answers to Items 7, 8, a	nd 9, are "No", attach as EXHIBIT N	lo, a narrative statement des	cribing in detail the following:		
<ul><li>(a) The complete program of rese.</li><li>(b) The specific objectives sought</li></ul>		uding description of equipment and theo	ry of operation.		
(c) How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion, or utilization of the radio art, or is along line not already investigated.					
		······			
1		ete the program of experimentation proprization requested in this application will			
12. Would a Commission grant of this environmental impact?	application come within Section 1.130	07 of the FCC Rules, such that it may h ☐ Yes	ave a significant		
If you answer yes, submit an Env	ironmental Assessment required by Sec	tion 1.1311.			
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1		ransmitting equipment to be i	installed (if experime				
1.	MANUF	ACTURER		TYPE		NO. OF UNITS	
						•	
	ABB NERA		CADE	IRN Mm		,	
			SALU	FUN PHR		3	
						)D	
						/-	
	14. Is the equ	ipment listed in Item 13 capable	e of station identifica	tion pursuant to Section 5.152?	•		
				X Yes			
		ntenna extend more than 6 met or will the proposed antenna be				1 more than 6 meters above the	
				🗋 Yes	K No		
	If "Yes",	give the following (See Instruc	ction 9):				
	(a) Oursel	I height above ground to tip of	antanna	maters			
	(a) Overal	i neight above ground to tip of	antenna 18	IIICICI 5.			
	(b) Elevat	ion of ground at antenna site ab	ove mean sea level i	s meters.			
1	(c) Distan	ce to nearest aircraft landing ar	ea is		_ kilometers.		
	(d) List ar	iv natural formations of existing	a man-made structure	es (hills trees water tanks tou	vers etc.) which in t	he opinion of the applicant, would	
		shield the antenna from aircra	-			ie opinion of the appreasit, would	
	(e) Submi	t as EXHIBIT No	, a vertical profile sl	etch of total structure including	supporting building,	if any, giving heights in meters	
						ction lighting already available.	
	16. Applicant	is (check only one box)					
	[] <b>1</b> .45	аны П	Association		<b>V</b>	•	
	L Indiv	r (describe below)	Association	Partnership	🗴 Corpora	tion	
		(describe below)					
	7. Is applicat	nt a foreign government or a re	presentative of a for	ign government?			
1		a toto be be totalione of a to		Yes	X No		
	18. Has applicant or any party to this application had any FCC station license or permit revoked or had any application for permit, license or renewal						
1		this Commission?	tion new any FUC St	Yes		n for permit, neense of fellewat	
	If "Yes",	attach as EXHIBIT No.	, a statement g			te circumstances.	
	9. Will appli	cant be owner and operator of s	station?	🕅 Yes			
	20. Give name, title, and telephone number (include area code) of person who can best handle inquiries pertaining to this application.						
	Theresa Masarik (908) 225-0909						
		g/Sales Supervisor					
	21. List below	all exhibits in numerical seque	nce and the item nur	nber of form requiring the exhi	ibit identified.		
	EXHIBITS AND ITEM NO. OF FORM						
<del>ا ا</del>	Exhibit	Item	Exhibit	ltem	Exhibit	Item	
$\vdash$	Number	No. of Form	Number	No. of Form	Number	No. of Form	
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· 22. CERTIFICATION						
ATTENTION: Read this certification carefully before signing this application.						
THE APPLICANT CERTIFIES THAT:						
<ul> <li>(a) Copies of the FCC Rules Parts 2 and 5 are on hand; and</li> <li>(b) Adequate financial appropriations have been made to carry on the program of experimentation which will be conducted by qualified personnel; and</li> <li>(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</li> </ul>						
(d) Grant of the authorization requested herein will not be construed as a finding on						
(1) that the frequencies and other technical parameters specified in the authoriz perimentation, and	zation are the best suited for the proposed program of ex-					
(2) that the applicant will be authorized to operate on any basis other than exp	perimental, and					
(3) that the Commission is obligated by the results of the experimental program allocations for applicant's type of operation on a regularly licensed basis.	m to make provision in its rules including its table of frequency					
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 fu	all knowledge and understanding of the above limitations; and					
(g) The applicant waives any claim to the use of any particular frequency or of the elect September 3	tromagnetic spectrum as against the regulatory power of the USA.					
Mackay Communications Inc	, 19					
Name of Applicant	name given on page 1)					
Theresa Masarik	resp. M. Marril					
By (print)	(signature)					
Title Marketing/Sales Supervisor						
	Check Appropriate Classification:					
WILLFUL FALSE STATEMENTS MADE ON THIS FORM	Individual Applicant					
ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.	☐ Member of Applicant Partnership					
	Office of Applicant Corporation or Association					
	X Authorized Employee					
NOTIFICATION TO INDIVIDUALS UNDER PR AND THE PAPERWORK REDUCTION						
Information requested through this form is authorized by the Communications Act of 19. 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 0.45 quired to obtain this authorization.	ne eligibility for issuing authorizations in the use of the fre- Commission by the Act. Information requested by this					
THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L and the Paperwork Reduction Act of 1980, P.L. 96-511, December 11, 1980, 44 U.S.C						
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