# FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

RECE/VE Approved by OMB/VE 3060-0065 Elagre 1012/31/92

Public reporting burden for this collection of information is estimated to average 4 hours per response, including the time for 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 this burden to Federal Communications Commission, Office of Managing Director, Washington, DC 20554, and to the Office of Information and Regulatory Affairs, Office of Managinent and Budget, Paperwork Reduction Project (3060-0065), Washington, DC 20503.

## 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) Mackay Communications P.O. Box 7819 Raritan Center 300 Columbus Circle Edison, N.J. 08818			DO NOT	EX-PL-92	оск	
2.(a) Application for	(check only one box,			2.(b) For Modification indicate below		
New Static	on 🗆 Modi	fication of existing a	authorization	File No.:	Call Sign:	
3. Application for n	nodification indicate c	hange in (check all	that apply)			
☐ Frequency		Emission	☐ Power	☐ Location		
Frequency (State	peration (See instructi	ons below)				NECESSARY
Whether kHz or MHz)			T	EMISSION	MODULATING SIGNAL	BANDWIDTH (kHz)
(A) 1.635.5	(B)	37DBW	(D)	(E)	(F) 3000	(G)
thru		37DBW	MEAN	F3B F2D	2600	12
1.645.0Mhz			<del> </del>	F3C	2600	12
				QlB	4800	15
			<del> </del>		<del> </del>	
(A) List each frequency or frequency band separately. (If more space is required, attach as Exhibit No						

5(a	5(a). Proposed location of transmitter and transmitting antenna (Check only one box)					
	☐ FIXED/BASE	☐ BASE & MOBILE	•			
(t	b) If permanently located at a fixed location, give below	(d) If mobile, describe the exact area of operation				
Sta	te County City or Town					
Nu	imber and street (or other indication of location)	Within The U.S. an	d Outside U.S.			
(c)	Geographical coordinates exact to the nearest second	(e) Geographical coordinates of	the approximate center of proposed			
		area of operation (mobile ap	plications)			
NU	orth Latitude West Longitude	North Latitude o ,	West Longitude			
6.	Is a directional antenna (other than radar) used?	X Yes □	No			
	If "YES", give the following information:					
	(a) Width of beam in degrees at the half-power point 10 Deg.					
	(b) Orientation in horizontal plane (c) Orientation in vertical plane	Right Hand Circu	lar			
7.	Is this authorization to be used for fulfilling the requirement of a government	nent contract with an agency of the	e United States Government?			
	☐ Yes	□X No				
	If "Yes", attach as EXHIBIT No, a narrative statement de	scribing the government project, ag	gency, and contact number.			
8.	Is this authorization to be used for the exclusive purpose of developing ra	dio equipment for export to be em	ployed by stations under the jurisdiction			
	of a foreign government?	☐ Yes	No			
	If "Yes", attach as EXHIBIT No, the following information	n:				
	(a) The contract number and the name of the foreign government concern					
9.	Is this authorization to be used for providing communications essential to	a research project? (The radio cor	mmunication is not the objective of the			
	research project).	☐ Yes X☐	No			
If "Yes", attach as EXHIBIT No, a narrative statement providing the following information:						
(a) A description of the nature of the research project being conducted.						
<ul><li>(b) A showing that the communications facilities requested are necessary for the research project involved.</li><li>(c) A showing that existing communications facilities are inadequate.</li></ul>						
(a) suc a a a						
10.	If all the answers to Items 7, 8, and 9, are "No", attach as EXHIBIT N	o. 1, a narrative statement	describing in detail the following:			
	(a) The complete program of research and experimentation proposed inclu	iding description of equipment and	theory of operation.			
	(b) The specific objectives sought to be accomplished.					
	(c) How the program of experimentation has a reasonable promise of corradio art, or is along line not already investigated.	tribution to the development, exter	nsion, expansion, or utilization of the			
	table and of the mong time stort another miscongarda.					
		•				
11. (a) Give an estimate of the length of time that will be required to complete the program of experimentation proposed in this application.						
(b) If less than 2 years, give the length of time in months that the authorization requested in this application will be required. 2 yr						
12.	Would a Commission grant of this application come within Section 1.130					
	environmental impact?	☐ Yes	No			
	If you answer yes, submit an Environmental Assessment required by Sect	ion 1.1311.				

	v transmitting equipment to be ACTURER.	installed (if experi	mental, so state):  TYPE		NO. OF UNITS
ABB 1	Vera		Compac T		. 4
14. Is the equ	ipment listed in Item 13 capabl	e of station identif	ication pursuant to Section 5.152	?	
<u></u>			Yes	□ No	
			and, or if mounted on an existing xisting structure other than a buil		extend more than 6 meters above the
IE 1137 ac 22	ains the fellowing (See Jactus	oriom Oh	☐ Yes	X No	
If "Yes".	give the following (See Instruc	ction 9):			
(a) Overa	I height above ground to tip of	antenna is	meters.		
(b) Elevat	ion of ground at antenna site al	oove mean sea leve	el is meters.		
(c) Distan	ce to nearest aircraft landing ar	ea is		kilometers.	
(d) List a	ny natural formations of existing	man-made struct	ures (hills trees water tanks to	wers etc ) which	in the opinion of the applicant, would
	•	•	nimize the aeronautical hazard of		in the opinion of the applicant, would
		•			ding, if any, giving heights in meters
above	ground for all significant feature	es. Clearly indica	te existing portion, noting particu	ılars of aviation ol	bstruction lighting already available.
16 Applicant	is (check only one box)				
		Association	☐ Partnership	¥ co	rporation
	er (describe below)	Association	- raithership	L C01	poration
17. Is applica	nt a foreign government or a re	presentative of a f	oreign government?	<b>X</b> □ No	
	cant or any party to this applica	tion had any FCC	station license or permit revoked	d or had any appli	cation for permit, license or renewal
•		, a statemen	☐ Yes at giving call sign of license or pe	No Ermit revoked and	
19. Will applicant be owner and operator of station?					
20 5:				□ No	
20. Give name	e, title, and telephone number ( Theresa Masarik	include area code)	of person who can best handle in 908-225-0909	nquiries pertaining	g to this application.
Ma:	keting/Sales Supe	rvisor			
21. List below	all exhibits in numerical seque	nce and the item	number of form requiring the ext	nibit identified.	
	TEM NO. OF FORM			T	- 44
Exhibit Number	ltem No. of Form	Exhibit Number	Item No. of Form	Exhibit Number	Item No. of Form
T	Ten				
		<u> </u>			

#### 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:

Name of Applicant \_

<b>(f)</b>	The applicant is willing to finance	and conduct the experimental progra	m with full knowledge and understanding	g of the above limitations; and
(g)	The applicant waives any claim to	the use of any particular frequency or o	f the electromagnetic spectrum as against	the regulatory power of the USA
	Signed and dated thisAugu	st day of _	12, 19	9

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

		(correspond with name given on page 1)	
Ву _	Theresa Masarik (print)	leusa Masari	L

Mackay Communications Inc.

Title Marketing/Sal	es Supervisor
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WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

#### Check Appropriate Classification:

	Individual	Applicant
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	Member	of	Applicant	Partnership
_	MICHIOCI	O.	Applicant	1 al the simp

Ш	Office	of	Applicant	Corporation
	or Ass	oci	ation	

Authorized Employee

### 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 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(e)(3), and the Paperwork Reduction Act of 1980, P.L. 96-511, December 11, 1980, 44 U.S.C. 3507.