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

			Office address and ZIP Code. Se	e instruction	File	No.	DO	NOT WRITE IN TH	IIS BLOCK	
		ess, city, state,	aliu zir code. Se	e mstruction	""	110.				
		/A-COM, I						_ , ^ ,	M C	
			ıcket Blvd		5422-EX-PL-96					
	I	owell, MA	01853-32	95	٠ -	) [2	_	WI I P		
	Aţt	ention: Roy	Hebert							
_										
2(a)	Application	for (check or	nly one box)		2(b). F	or Modif	icatio	n indicate below	sign: WAZXJN	
K	New station	☐ Mod	dification of existing	authorization	File No	o:		Call :	Sign: W	
3. A	pplication fo	or modification	n indicate whet	her change is	an additi	on or re	eplace	ement of (check a	ill that apply)	
	FREQUENCY	EMI	SSION	POWER		□ L0	CATION	1		
_	,			. a FMMDIT Ala			1			
L	) OTHER PART	ICULARS (describe	below or in attach	ed EXHIBIT NO			,			
	-n- /									
4. Pa	articulars of	Operation (see	e instruction bel	ow)	Γ		T	A ACCULATING	NECESSARY BANDWIDTH	
	equency (state her kHz or MHz)		POWER		SIGNAL (KHZ)					
	7.5-28.3	(B)	(C)	(D)		(E)	101	- COW	(G)	
				d emissio			101	. 500		
	1-29.2		; -	d emissio			101	101,113(0)		
3.	<del>1.0-31.3</del>	GHZ	power an	d emission	n per	Part	101	. 2/ W/(c. 0.0)		
								.25 W (EIRY)		
				1	<u>L</u>		1			
(4)	list each fi	requency or f	requency band s	separately. (If	more spa	ce is re	quirec	d, attach as EXHII	BIT No)	
(B)		two DE outr	ut nower at the	transmitter te	rminais.	Specii у	umu	S.		
(C)	Insert max	imum effectiv	e radiated powe	er from the an	tenna (I:	f pulsed	emis	sion, specify peak	ç power).	
(D)	Insert "MEA	N" or "PEAK"	(See definitions	in Part 5).						
(E)	list each to	vne of emission	n separately for	each frequen	cy. (See	Section	2.201	of FCC Rules.)		
(F)	Insert as at	opropriate for	the type of mod	iulation:						
(1)	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;									
		ration and re								
	For comple	v amissions di	escribe in detail	in the space p	rovided	below.				
(G)	Describe he	ow the necessa	ary bandwidth	was determined	in spac	ce provi	ded b	elow.		

	insmitter and transmitting anter						
FIXED/BASE	MOBILE	X E	BASE AND MOBILE				
5(b). If permanently located	at a fixed location, give below:	5		be the exact area of			
State County	City or Town		operation within the st	ates of New Jersey,			
Number and street (or other	indication of location)		New York, Connecticut, and Massachusetts				
5(c). Enter geographical coordiantes	exact to the nearest second			ordinates of the approximate f operation (mobile applications)			
North Latitude	West Longitude o '	,, N	o "	West Longitude			
		ries	on in vertical plane				
United States Governmen	Noa narrative	ı 🕱 ı	o				
by stations under the jur	used for the exclusive purpose sdiction of a foreign governme YES No the following armment concerned.	nt?	ro				
cation is not the objective	used for providing communicate of the research project).  YES No a narrative	X X	ro				
<ul><li>(a) A description of the n</li><li>(b) A showing that the co</li></ul>	ature of the research project be mmunications facilities requeste ag communications facilities are	ing conducted d are necessa	l.				
in detail the following:  (a) The complete program and theory of operation  (b) The specific objectives  (c) How the program of e	s 7, 8, and 9, are "NO", attach as E of research and experimentation. sought to be accomplished. xperimentation has a reasonable of the radio art, or is along it	n proposed in	ncluding description	of equipment			
ll(a). Give an estimate of the in this application.  (b) If less than 2 years, give will be required.	length of time that will be requested 2 years the length of time in months to	nired to complicate the authorized	ete the program of	n this application			
12. Would a Commission grasignificant environmen	ant of this application come wit tal impact? YES omit an Environmental Assessme	X X	O	s, such that it may have a			
13. List below transmitting MANUFACTURER M/A-COM, Inc.		perimental, so 'PE erimental	state):	NO. OF UNITS			

14.	Is the eq	ulpment li	sted in I	tem 13 ca	pable of	station	n ldentif	ication	pursu	ıant	to Sect	ion 5.15	2?	YES	X	NO
15.		antenna e n 6 meter iilding?							nna be							
	If "YES", give the following (see instruction 9):  (a) Overall height above ground to tip of antenna is meters.															
	(b) Elevation of ground at antenna site above mean sea level is meters.															
	(c) Distan	ce to near	est aircr	aft landi	ng area	is								kilome	eters.	
	the op	ny natural dinion of t autical has	he applic	ant, wou	ld tend t											in,
	noting	, giving h particula	eights in 's of avi	meters a ation obs	bove gr	ound f	or all sig	gnificar	nt fea							-
16.	Applicant	is (Check	only one	boxi												
	☐ INDI	VIDUAL	☐ AS	SOCIATIO	N		PARTNI	ERSHIP		$\triangle$	CORP	ORATIO	N			
	U OINE	R (describ	e perow)													
									•							
18.	Is applicar Has applic application If "YES", a	ant or an	y party t nit, licens	o this ap se or ren	plication ewal der	had a	ny FCC y this Co	station mmissi	licens on?	se or	permi			YES had an	X Y	NO NO
18.	Has application	ant or an for peri	y party t nit, licens XHIBIT N	o this ap se or ren	plication ewal der	had a	ny FCC y this Co	station mmissi	licens on?	se or	permi		rmit	had an	y	<del></del>
18.	Has applic application If "YES", as	ant or an for peri ttach as E nd relate	y party t nit, licens XHIBIT N circumsta	o this apse or ren	plication ewal der	had a nied by a state	ny FCC y this Co	station mmissi	licens on?	se or	permi			had an	y	<del></del>
19.	Has application If "YES", at revoked a Will applic Give name to this app	ant or an for perittach as End relate cant be over	y party t nit, licens KHIBIT N circumsta wner and	o this apse or ren o ances. operator	plication ewal der	had a nied by a state	ny FCC y this Co ement gi	station ommission	licens on? all sig:	se or	permi	e or pe	rmit	had an	x X	NO NO
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## 23. CERTIFICATION: 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, a: (2) that the applicant will be authorized to operate on any wasis 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 dated this M/A-COM, Inc. Name of Applicant laust correspond with name gi (signature) Business Developmen Check appropriate classification:

Individual	applicant	Member	oſ	applicant	partnership

Office of applicant corporation or association Authorized employee

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 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 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. 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.