SCANNED IN: 12/1/98

FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

Determined at the 6 DB Point

APPROVED BY OMB 3060-0065 Expires 9/30/98

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

	<u></u>			· •		
<ol> <li>Applicant's Name and Post Office address         (Street address, city, state, and ZIP Code. See instruction No. 4)     </li> </ol>			File No.	O NOT WRITE IN T	HIS BLOCK	
					~ ~~ <del>,</del>	
16761 VIA	GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC. 16761 VIA DEL CAMPO COURT SAN DIEGO CA 92127-1713		5973-EX-PL-97			
2(a). Application	for (check on	ly one box)		2(b). For Modifica	tion indicate belov	w:
New station	Modi	ification of existing	g authorization	File No:	Call	Sign:
3. Application f	or Modification: indicate whether	: Check the bo er the change	x beside all pa is an addition	articulars to be modi	fied. Check either	
K FREQUENCY -	[	EMISSION -		POWER -	X Loc	ATION -
K addition or [	replacement?	addition or	☐ replacement?	addition or	replacement?	addition or replacement?
4. Particulars of	Operation (see	instruction be	elow)			
Frequency (state whether kHz or MHz)		POWER		EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (KHz)
(A)	(B)	(C)	(D)	(E)	(F)	(G)
118-137	7W	7W	MEAN	6K00A3E	3KHZ	25KHZ
5260 5300	13W	29DBW 29DBW	MEAN MEAN	20MBF9W 20MBF9W	7.5MHZ 7.5MHZ	20MHZ 20MHZ
5400	13W	29DBW	MEAN	20MBF9W	7.5MHZ	20MHZ
5440	13W	29DBW	MEAN	20MBF9W	7.5MHZ	20MHZ
5700	13W	45DBW	MEAN	1MBF9W	100KHZ	1MHZ
5750	13W	45DBW	MEAN	1MBF9W	100KHZ	1MHZ
5800	13W	45DBW	MEAN	1MBF9W	100KHZ	1MHZ
5800	109W	38DBW	MEAN	20MBF9W	7.5MHZ	20MHZ
5850	13W	45DBW	MEAN	1MBF9W	100KHZ	1MHZ
5850 (A) List each f	1000 requency or fre	38DBW equency band	MEAN separately. (If	20MBF9W more space is requir	<b>7.5MHZ</b> ed, attach as EXH	IBIT No
(B) Insert max	imum R.F. outpu	it power at the	e transmitter t	erminals. Specify un	its.	
(C) Insert max	imum effective	radiated power	er from the a	ntenna (If pulsed em	ission, specify pea	k power). Specify
units.						
(D) Insert "ME	AN" or "PEAK" (	See definitions	in Part 5).			
				ncy. (See Section 2.20	of FCC Rules.)	
_	ppropriate for t					
	dimum speed of					
	m audio module					
(3) frequency deviation of carrier; .0015% (4) pulse duration and repetition rate. N/A						
=			N/A	provided below.		
_				ed in space provided	below. FC	C Form 442 - Page 2 March 1996

SIE	RRA MONOLITHICS		P00098		2
MAI	below transmitting economics below transmitting economics below the below the below the below the below transmitting economics below to the below transmitting economics below the below transmitted economics below the below transmitted economics below to the below transmitted economics below the below transmitted economics below to the economics below to the economic economic economics economics economics economics economics	quipment to be installed (1	f experimental, MODEL NUMB VHF		NO. OF UNITS
_		impact (see instruction if		YES NO Assessment as required	d by Section 1.1811.
12. Wo	uld a Commission gran	t of this application come	within Section	1.1807 of the FCC Rules	, such that it may have a
(b) If le	ess than 2 years, give	the length of time in mon	ths that the au		
li(a). Giv in t	re an estimate of the leading the leading to the le	ength of time that will be INITE-ONGOING GOVERN	required to con	nplete the program of e	experimentation proposed
(e) H	ow the program of exp	sought to be accomplished. perimentation has a reason of the radio art, or is alon			evelopment, extension,
8.1	nd theory of operation.		tation proposed	i including description	of equipment
in de	tail the following:	7, 8, and 9, are "NO", attach			
(c) A	showing that existing	munications facilities requestions facilities	are inadequate	e.	
(a) A	description of the nat	No a narra ure of the research projec	et being conduc	ted.	
		of the research project).	YES 🛣	NO	
		used for providing commu	nications essen	tial to a research projec	et? (The radio communi-
	ES", attach as EXHIBIT le of the foreign gover:	No the follower that concerned.			ict number and the
by st	tations under the jurison	diction of a foreign gover	nment? YES	NO	
8. Is th		used for the exclusive pur		olng radio equipment fo	or export to be employed
If "Y	ES", attach as EXHIBIT	No. EXHIBIT 1 a narra		NO describing the government	nent project,
	is authorization to be ved States Government?	used for fulfilling the req	uirement of a g		lth an agency of the
(b) 01	rientation in horizonta	l plane	(c) Orient	ation in vertical plane	
V (s)	Vidth of beam in degre	es at the half-power poin		<del></del>	
	directional antenna (ot ES", give the following	her than radar) used?	YES 🕱	NO	
5(d). Dat	tum (see instruction 10)		NAD 27	NAD 83	
36°	40 ' 54"	121° 45΄	44 "	o ' "	0 "
North Lati	itude (DD-MM-SS)	West Longitude (DD-MM-SS)		center of mobile operation  North Latitude	(see instruction 10.) West Longitude
5(b)(1). Er	nter geographical coordiantes	exact to the nearest second (se	e instruction 10)	5(c)(1)Enter geographical co	ordinates of the approximate
	IMGIM ROAD, HANGEI				
Mumber	MONTEREY and street (or other in	MARINA		100 NM RADIUS	
5(b). If State	permanently located a County	t a FIXED location, give be City or Town	elow:	5(c). If mobile, describ operation	e the exact area of

14.	Is the equi	pment listed in It	em 13 capable of stat	ion identification purs	ant to Section 5.152?	☐ YES	X N	10
15.	Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it exten more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building?  YES  NO							
			(see instruction 9):	a is met	ers.			
	(b) Elevation	on of ground at a	ntenna site above me	ean sea level is	meters.			
	(c) Distance	kilomete	ers.					
	the opin	(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft and thereby minimize the aeronautical hazard of the antenna.						
<u> </u>	if any,	giving heights in	meters above groun	al profile sketch of tot d for all significant fea nting already available.	atures. Clearly indica			ıg,
<u> </u>		St. (Check anly one						_
10.	_		sociation [	PARTNERSHIP	<b>▼</b> CORPORATION			
			e provided below)					
17. 18.	Has applica application	nt or any party t for permit, licens	o this application hase or renewal denied	tative of a foreign gov d any FCC station licen by this Commission? tatement giving call sig	se or permit revoked	☐ YES	X n	
		id relate circumsta		tatement giving can sig	, if of ficense of porti			
	Will applic	ant be owner and	operator of the stat	ion?		X YES	П и	í <b>O</b>
20.	J.E. LA	est handle inquirient of the i	es pertaining to this	GENERAL ATOMICS A			f person	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
21.	By checkin he or she is conviction e.g., corpora	s not subject to a pursuant to Section, tion, partnership a denial of federa	idual applicant certification denial of federal be on 5301 of the Antior or other unincorporate	Ties that he or she is elements, including FCC be Drug Abuse Act of 1988, ated association, certification that section. For defi	enefits, as a result of , 21 U.S.C. 862. A non- es that no party to t	a drug offe individual he application or these pur	ense applicant on is	
						X YES	N	<u>o</u>
22. —	List below	all exhibits in nu	merical sequence and	d the item number of f	orm requiring the ex	chibit identi	fied.	_
Ехн	NBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM 1	IO. OF FORM	1
	1	7						_
						<del>                                     </del>		_
								_
	** * **					<del>-  </del>		_

### 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:
  - (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:

- (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.

1
Signed and dated this
Name of Applicant GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC.
(must correspond with name given an page of)
By J. E. LATHROP
(print) (signature)
Title DIRECTOR OF PROGRAMS
Check appropriate classification:
Individual applicant Member of applicant partnership
Authorized employee Office of applicant corporation or association
VILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title
8 Section 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47,
tection 312(a)(1), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).
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## 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 specified 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 by 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.

Public reporting burden for this collection of information is estimated to average four (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 the burden to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0065), Washington, DC 20554. **DO NOT send completed applications to this address.** Individuals are not required to respond to this collection unless it displays a currently valid OMB control number.

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. 6507.

Approved by QMB 3060-0065 Expires 9/30/98

SECTION

APPLICANT NAME (Last, first, middle initial)

### Approved by OMB FEDERAL COMMUNICATIONS COMMISSION

## FCC FORM 442

FOR FCC	
USE	

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

GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC.						
MAILING ADDRESS (Line 1) (Maximum 35 characters - refer to Instruction (2) on reverse of form)						
16761 VIA DEL CAMPO C	OURT					
MAILING ADDRESS (Line 2)	(if required) (Maximum 35 c	haracters)				
CITY						
SAN DIEGO						
STATE OR COUNTRY (if fore	ign address)	· · · · · · · · · · · · · · · · ·	OR FILE NUMBER			
CALIFORNIA		92121				
		ice you are applying for. Fee Type C plicable. Enter in Column (C) the resu	·			
_		r entered in Column (B), if any.	ik obtailed from makipiying			
(A)	(B)	(C)				
FEE TYPE CODE	FEE MULTIPLE (if required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY			
(1)		**************************************				
E A E		\$ 45.00				
SECTION II	To be used only when	you are requesting concurrent action	s which result in a			
		e than one Fee Type Code.				
(A)	(B) ´	(C)				
FEE TYPE CODE	(B) FEE MULTIPLE	FEE DUE FOR FEE TYPE	FOR FCC USE ONLY			
	(if required)	CODE IN COLUMN (A)				
<del> </del>	<del></del>					
(2)		\$	1			
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(3)		\$				
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(4)		\$				
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(5)		s				
		L				
ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1)						
THROUGH (5), AND ENTER THE TOTAL HERE.  TOTAL AMOUNT REMITTED  WITH THIS APPLICATION  OR FILING  TOTAL AMOUNT REMITTED  WITH THIS APPLICATION  OR FILING						
REMITTANCE.						
		\$ 45.00	The state of the s			