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)

1. Applicant's									
No. 4)			s See instruction	File No.	OO NOT WRITE IN TH	HIS BLOCK			
c/o V	erner, Liip 5th Str eet ,	n Corporatio ofert, Bernh , N.W.		5652-	X-PL-97	7			
	ngton, D.C.	20005							
	Thomas J.								
2(a). Application				2(b). For Modification indicate below:					
New station		odification of exist		2(b). For Modification indicate below: File No.: Call Sign:					
					fied. Check either parameters in the	addition or re- current authorization			
FREQUENCY -		EMISSION	-	POWER ~	Loca	ATION -			
addition or	replacement?	addition of	r replacement?	☐ addition or ☐	replacement? ac	idition or T replacement?			
4. Particulars of	Operation (se		pelow)		MODIH ATING	NIECECCADY DANDWINTH			
whether kHz or MHz)		POWER		EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (kHz)			
(A) 16–17GHz	(B) 14KW	24.1MV	Peak	1G2895 QXN	2–33u\$ pulse	(G) 1.289 Ghz			
10_170112	7-915.00	2-7-11-81	J Can	IGZOZZ WAIT	10nS rise time				
(1415					600 MHz linear	FM .			
() - 1 1 h		 							
X I I I I I I I I I I I I I I I I I I I		1							
\$ 1 1 No. 5									
16500.5	4)								
1 65 0 N. S	1)	ı							
(A) Dist each fr	requency or fi	requency band	separately, (If	more space is requir	red, attach as EXHIF	BIT No.			
				more space is requireminals. Specify un	red, attach as EXHIB				
(B) Insert maxi	mum R.F. outp	at power at th	e transmitter te	rminals. Specify un)			
(B) Insert maxi (C) Insert maxi units. (D) Insert "MEA	mum R.F. outp mum effectiv .N" or "PEAK"	eut power at the radiated pow	e transmitter tever from the ans	rminals. Specify un tenna (If pulsed em	lits. Ission, specify peak)			
 (B) Insert maxi (C) Insert maxi units. (D) Insert "MEA (E) List each ty 	mum R.F. outp mum effectiv .N" or "PEAK" pe of emission	e radiated pow (See definition n separately for	e transmitter te ver from the an s in Part 5). or each frequence	rminals. Specify un	lits. Ission, specify peak)			
 (B) Insert maxi (C) Insert maxi units. (D) Insert "MEA (E) List each ty (F) Insert as ap 	mum R.F. outp mum effectiv .N" or "PEAK" pe of emission propriate for	e radiated pow (See definition a separately for the type of me	e transmitter te ver from the an s in Part 5). or each frequence odulation:	rminals. Specify un tenna (If pulsed em	lits. Ission, specify peak)			
(B) Insert maxi (C) Insert maxi units. (D) Insert "MEA (E) List each ty (F) Insert as ap (1) the max	mum R.F. outp mum effectiv .N" or "PEAK" pe of emission propriate for imum speed of	e radiated pow (See definition n separately for	te transmitter te ver from the an s in Part 5), or each frequence odulation: uds;	rminals. Specify un tenna (If pulsed em	lits. Ission, specify peak)			
(B) Insert maxiunits. (C) Insert maxiunits. (D) Insert "MEA (E) List each ty (F) Insert as ap (1) the max (2) maximum (3) frequence	mum R.F. outp mum effectiv N" or "PEAK" pe of emission propriate for imum speed on a audio modul by deviation of	ent power at the radiated power (See definition in separately for the type of most keying in balating frequency carrier;	te transmitter te ver from the an s in Part 5), or each frequence odulation: uds;	rminals. Specify un tenna (If pulsed em	lits. Ission, specify peak)			
(B) Insert maxiunits. (C) Insert maxiunits. (D) Insert "MEA (E) List each ty (F) insert as ap (1) the max (2) maximum (3) frequency (4) pulse dum	mum R.F. outp mum effectiv .N" or "PEAK" pe of emission propriate for imum speed of n audio modul cy deviation of ration and rep	ent power at the radiated power (See definition in separately for the type of most feeting frequency from the type of carrier; petition rate.	te transmitter te ver from the and s in Part 5). or each frequent odulation: uds; ey;	erminals. Specify ur tenna (if pulsed em cy. (See Section 2.20	lits. Ission, specify peak)			
(B) Insert maxiunits. (C) Insert maxiunits. (D) Insert "MEA (E) List each ty (F) insert as ap (i) the max (2) maximum (3) frequence (4) pulse dur For complex	mum R.F. outp mum effectiv N" or "PEAK" pe of emission propriate for imum speed of m audio module by deviation of ration and rep cemissions, de	ent power at the radiated power at the control of the type of mediating frequency of carrier; petition rate.	te transmitter te yer from the and s in Part 5). Or each frequence odulation: uds; ey:	erminals. Specify ur tenna (if pulsed em cy. (See Section 2.20	elts. Ission, specify peak I of FCC Rules.))			

5(a)	. Propos	sed location of trans	mitter and transn	nitting	antenna (c	heck	only one bo	x to indica	te type	of opera	tion):
	☐ F	IXED/BASE	☐ MOBILE			X	BASE AND	MOBILE			
5(b)	. If per	manently located at	a FIXED location,	give b	elow:		5(c). If mol		e the e	xact are	a of
Stat		County	City or Tow	n			operat		<i></i>	£ 0	MalT
	CT	Fairfield	<u>Norwalk</u>				Airborne,				
Nui	mber an	d street (or other in	dication of location	n)	h sprud	•	Airport,	10,000m	max a	111100	e.
10) Nord	en Place		, (of of						
5(b)	(1). Enter	geographical coordiantes	exact to the nearest s	second (s	ee instruction	10)	5(c)(1)Enter gi center of mo				
Nort	h Latitude	(DD-MM-SS)	West Longitude (DD	-MM-SS			North Latitude		T .	Longitude	
41	, 0	6 40	73 °	23			39 10	26	7 6	40	" 12
4 (<u> </u>	0 40	12	2)			10	20	76	40	
		(see instruction 10):			NAD 27		NAD 83				
		ectional antenna (oth		ed? 🔲	YES	X	NO				
	·	, give the following th of beam in degree		on not	n t						
		ntation in horizontal				rient	ation in vert	ical plane			
	(2) 01101				(0)			iour piulio			
7.	Is this a	uthorization to be us	sed for fulfilling	the rec	quirement o	ofag	government	contract w	ith an a	gency o	f the
	United	States Government?			YES	\mathbf{x}	NO				
	If "YES",	attach as EXHIBIT N	Io	a narr	ative stater	nent	describing t	he governi	nent pr	oject,	
;	agency	and contact number.									
		uthorization to be us				velop	oing radio eq	uipment fo	or expo	rt to be e	employed
	by static	ons under the jurisdi	iction of a foreig	n gove	rnment?	_					
			. 1		YES	ш	NO				
		attach as EXHIBIT Notes the foreign govern		the fol	lowing inf	orma	tion: Provide	the contra	act num	ber and	the
	name of	the foreign govern	ment concerned.								
9.	is this a	uthorization to be us	sed for providing	commu	nications e	esseni	tial to a resea	arch projec	et? (The	radio co	mmuni-
		s not the objective o						P0	,,,,,		
	10 WITTE	attach as EVUIDIT N	r _a	لا د	YES	N Cont	NO	a fallantina	Infan	antion	
		attach as EXHIBIT N scription of the natu						e ronowing	, illi ori	na.non.	
		owing that the comm						e research	project	involve	d.
((c) A sh	owing that existing	communications f	`acilitie:	s are inade	quate	э.				
10	If all th	e answers to Items 7	R and 9 are "NO"	attach	as EX HIBI	r No		a narra	tive sta	tement o	describing
j	in detail	the following:							-		
(complete program of theory of operation.	research and exp	perimer	ntation pro	posed	l including d	escription	of equi	pment	
(specific objectives so	ought to be accom	plished.	•						
	c) How	the program of expe	erimentation has	a reaso	nable prom				evelopm	ent, exte	ension,
11(.)		nsion, or utilization									
11(a)		n estimate of the lead application:	_	WIII DE	e requirea i	o cor	npiete the pr	ogram of e	experim	entation	proposea
(b)	If less	than 2 years, give th	ne length of time			ie aut	thorization re	equested in	n this ap	plication	1
10		required:					11007 -0 -1-	ECC Dula	anah 41	not !+	w horre
12.		a Commission grant cant environmental						C	, sucii (i	nat it ii)8	.y mave a
	_	T, attach as EXHIBIT	-			Antel	YES Assessment	NO as require	d huse	otion 119	k 11
	11 1 1 1 1 1 1 2	, attacti as EARIBII	140.	a1	LLIVITOIIM	G11697	nascas ment	as reduite	u by se	CHO11 1.10	11.
13.		low transmitting equ	lipment to be inst	alled (NO O	E LINUTO
		ACTURER			MODEL I						F UNITS
	NOTT	nrop Grumman			2277–190	UU- 1	IUZ			1	

14.	Is the equ	ipment listed in I	tem 13 capable of sta	tion identification purs	ant to Section 5.152?	☐ YES	\mathbf{k}	NO		
15.	Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extends than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? YES NO									
	If "YES", g (a) Overall									
	(b) Elevati	(b) Elevation of ground at antenna site above mean sea level is meters.								
	(c) Distance	kilome	ters.							
	the opi	(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.								
	if any,	giving heights in	meters above groun	cal profile sketch of tot d for all significant fea hting already available.						
16.	Applicant	is. (Check only one	boxi							
	☐ INDIV	☐ INDIVIDUAL ☐ ASSOCIATION ☐ PARTNERSHIP 😿 CORPORATION								
	OTHE	P (describe in spac	e provided below)							
17.	Has application	ant or any party to for permit, licens	o this application hase or renewal denied	tative of a foreign gove d any FCC station licen i by this Commission?	se or permit revoked	YES	у	NO NO		
		tach as EXHIBIT Name of relate circumsta		tatement giving call sig	n of license or perm	it	**			
19.	Will applicant be owner and operator of the station?							NO		
20.	Give name who can b	Give name, title, and telephone number (include area code), and Internet e-mail address (if applicable) of person who can best handle inquiries pertaining to this application.								
	Steve Ba	laz, Spectrum	Licensing Speci	alist 410-765-	5626					
21.	By checkir he or she i conviction e.g., corpora	s not subject to a pursuant to Section ation, partnership a denial of federa	idual applicant certification of federal be on 5301 of the Antior or other unincorport	fies that he or she is elinefits, including FCC be Drug Abuse Act of 1988, ated association, certific to that section. For defi	enefits, as a result of 21 U.S.C. 862. A non- es that no party to th	a drug off individual ne application	ense applica: on is rposes,			
22.	List below	all exhibits in nu	merical sequence an	d the item number of fe	orm requiring the ex	hibit ident	ified.			
EXH	BIT NUMBER	T NUMBER ITEM NO. OF FORM EXHIBIT NUMBER ITEM NO. OF FORM EXHIBIT NUMBER				ITEM	NO. OF FO	RM		
	1	8								

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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:
 - (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.

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. 3507.

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