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

I. Applicant's Name and Post Office address (Street address, city, state, and ZIP Code. See instruction No. 4) Northrop Grumman Corporation				DO NOT WRITE IN THIS BLOCK File No. 5767-FX-PL-96				
Angeles, CA	90067							
n: James (C. Johnso	n						
on for (check	only one box)	2(b). For Modific	2(b). For Modification indicate below:				
on	odification of ex	isting authorization	2(b). For Modification indicate below: File No: Call Sign: WAZYEE an addition or replacement of (check all that apply)					
for modification	n indicate w	hether change is	an addition or rep	placement of (check	all that apply)			
Y	1ISSION	POWER	Loc	ATION				
RTICULARS (describ	e below or in a	ntached EXHIBIT No)					
of Operation (se	e instruction	below)						
Frequency (state POWER whether kHz or MHz)			EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (kHz)			
(B)	(C)	(D)	(E)	(F)	(G)			
17KW	8.5 Mw	Peak	8M64P0N	0.286÷8us puls PRF-140-1 2 565				
				7				
ximum R.F. out; ximum effectiv CAN" or "PEAK" type of emission appropriate for	out power at re radiated po (See definition n separately the type of	the transmitter te ower from the an ons in Part 5). for each frequent modulation:	erminals. Specify t tenna (If pulsed e	nnits. mission, specify peak				
	hrop Grumma Century Par Angeles, CA Con for (check of on for modification Matter) ARTICULARS (described) Of Operation (see the continuous of operation (see the con	hrop Grumman Corporation Century Park East Angeles, CA 90067 In: James C. Johnson on for (check only one box) In Modification of extended the composition of the condition of th	hrop Grumman Corporation Century Park East Angeles, CA 90067 In: James C. Johnson on for (check only one box) ion	thress, city, state, and ZIP Code. See instruction throp Grumman Corporation Century Park East Angeles, CA 90067 In: James C. Johnson on for (check only one box) for modification of existing authorization for modification indicate whether change is an addition or region articulars (describe below or in attached EXHIBIT No	throp Grumman Corporation Coentury Park East Angeles, CA 90067 In: James C. Johnson In Modification of existing authorization Coentry Park East Angeles, CA 90067 In: James C. Johnson In Modification of existing authorization In Modification Indicate whether change is an addition or replacement of (check is compared to the c			

See Exhibit 2.

5(sed location FIXED/BASE			ansmitt BILE	ing an	tenna (c	heck	only one box) BASE AND MOBILE				
5(b). If per	manently l	ocated at a	fixed locati	on, giv	e below	7:		5(d). If mobile, desc	rib	the evect	area of	,——
	ate	County		City or		 			operation	,, ,,,	o viio onaci	area or	
	MD	Anne Aru	ındel	Linthi		MD							
N	umber a	nd street (or	other ind	ication of lo	cation)								
-	732 3 Av	iation Bl	vd										
5(c). Enter g	eographical co	ordiantes exac	t to the neares	second				5(e). Enter geographical center of proposed area			• • •	
No	rth Latitude	1		West Longitude	•				North Latitude		West Longit	ude	
_	0	,	."	0		•	**		0 ,	"	0	,	**
_	39	<u>11 0</u>	9	76	41		10						
6.				r than radar	used?	_		_					
		give the f	_			_	ES	X	NO				
			_	at the half-	-	• –							
	(b) Orle	ntation in h	orizontai p	olane			_ (c) 0	rienta	tion in vertical plan	ie			
_	In this s	ut b onles tlor	to be use	d Con Culcilli						14	b on oron		
1.		States Gove		u for fulfilli	ng the				overnment contract	WIL	n an agend	y or the	,
						∐ ¥1		X	NO				
		attach as band contact		·	,an	arrativ	e stater	nent	describing the gover	mm	ent project	*	
8.								velopi	ing radio equipment	for	export to	be emplo	oyed
	by static	ons under t	ne jurisaici	tion of a for	eign ge	_			•••				
				7		X YE		ш.	NO		_		
	name of	attach as E. the foreig	xhibir no.	ent concern	tne ed.	Tollow	ing int	ormat	ion: Provide the con	trac	t number	and the	
9.				i for providi the research		t).		-	ial to a research pro	ject!	? (The radi	o commu	ıni-
	TO WUTTON	attach as E	VUIDIT NA		9.79	L YE		XI	NO provding the followi	na	Informatio	n.	
				of the rese						116	IIII OI IIIAUO	11.	
				nications fa		•			ssary for the researc	hр	roject invo	ol ved.	
10.	If all the	e answers t	o Items 7, 8	and 9, are "	NO", att	ach as	EXHIBIT	ſ No.	a nar	rati	ve stateme	nt descr	ibing
	in detail	the follow.	ing:						including descriptio				
	and t	heory of or	peration.				•	-					
		-		ght to be acc	-		•		0	٠. د			
									f contribution to the dy investigated.	ae	velopment,	extensio)n,
l(a									plete the program o	f ex	kperimenta	tion pro	posed
		application.	_				•				•		•
(Ì) If less				me in	months	that th	e auti	horization requested	in	this applica	ation	
2.	Would	a Commissi	on grant o	f this applica	ation c	ome wi	thin Se	etion	1.1807 of the FCC Rul	les,	such that i	t may ha	ave a
	signific	ant enviro	nmental in	npact?		☐ YE	S	X	NO				
	If you	answer "YE	S", submit a	an Environm	ental A			ulred	by Section 1.1811.				
3.		low transmi	tting equip	oment to be	installe	d (if e	xperime YPE	ntal,	so state):		No	O. OF UN	IITS
	Northi	op Grumma	an			ARC	G-1 rad	dar				3	

14.	Is the equ	uipment listed in I	tem 13 capable of sta	tion identification purs	uant to Section 5.152?	☐ YES	×	NO			
15.	Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? \[\sum_{\text{YES}} \sum_{\text{NO}} \text{NO} \]										
	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) Distance to nearest aircraft landing area is kilometers.										
	the op	ny natural formation of the application of the application of the application of the state of th	cant, would tend to s	-made structures (hills, hield the antenna from	trees, water tanks, to aircraft and thereby	wers, etc.) v / minimize	which, the	in			
	if any, noting	giving heights in particulars of avi	meters above groun ation obstruction ligi	cal profile sketch of tot d for all significant fea hting already available.	atures. Clearly indica	; supporting te existing	g build portion	ling, n,			
16.	Applicant	is (Check only one	box?								
	☐ INDIV	VIDUAL 🔲 AS	SOCIATION [PARTNERSHIP	CORPORATION						
	П отне	R (describe below)									
	_										
				•							
								<u>. </u>			
17.	Is applican	t a foreign gover	nment or a represent	tative of a foreign gove	ernment?	YES	X	NO			
18.	Has application	ant or any party t for permit, licens	o this application hase or renewal denied	d any FCC station licen by this Commission?	se or permit revoked		·				
,				tatement giving call sig	n of license or permi	∐ YES it	X	NO			
		nd relate circumsta									
9.	Will applie	ant be owner and	l operator of the stat	tion?		X YES		NO			
20.	Give name to this app		ne number (include	area code) of person w	ho can best handle in	iquiries per	taining	3			
	Steve Bal	laz, Frequency	Coordinator, (4	10)765-5626							
21.	APPLICAN'	T ANTI-DRUG ABU	JSE CERTIFICATION:								
	denial of f 21 U.S.C. 86 association)	ederal benefits, the case of t	hat includes FCC ben f a non-individual a applicant is subject t	the case of an individuelits, pursuant to Section applicant (e.g., corporation a denial of federal bethese purposes, see 47 C	n 5801 of the Anti-D n, partnership, or oth enefits, that includes	rug Abuse ner unincor	Act of porated its, pur	1988, d			
	List below	all exhibits in nu	merical sequence and	i the item number of fo	orm requiring the Av						
					T						
	BIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	IIIM N	NO. OF FO				
	<u>1</u> 2	4A 4G									
	3	8									
						+					

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
 - (8) 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 18th day of Light, 19 26
Name of Applicant Northrop Grumman Corporation
laust correspond with name given on page 11
By James C. Johnson June & Johnson
(print) (signature)
Title Vice President and Corporate Secretary Check appropriate classification:
Individual applicant
Authorized employee X Office of applicant corporation or association
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 specifical 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 require 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.