

**Experimental Licensing Branch
Office of Engineering & Technology**

File Number: 5586-EX-PL-97

Applicant: Hughes Aircraft Co.

Date: 1/10/97

Service:

Operation:

Station: MO

Hours of Operation:

Location: States of CA, FL, & NV

Latitude

Longitude

Location of remote control point: _____

Tolerance: _____

Frequency	Emission	Power
7000-7125 MHz		
8400-9000 MHz		
9200-10000 MHz		

Co-ordinate with: FAS, MMB, WTB, CSB

Special Conditions & Remarks: Band limit id waiver

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Memorandum to the Secretary
Frequency Assignment Subcommittee, IRAC

Date March 4, 1997

Lic. Div. Ref. No.

In accordance with the IRAC/FCC arrangement of October 22, 1940, the Committee is invited to submit comments on an application received by the Commission for the use of the following radio facilities.

Applicant: Hughes Aircraft Company NTDD/ELB Branch or Division
File No.: 5586-EX-PL-~~9697~~ Bureau
OET

Frequency MHz	"NG" No.	Class of Station	Emission	Power watts	Service
3400 - 9000	970984-94	MO	80MOPON	2MW (ERP)	XD
9200 - 10000	937559-69	MO	80MOPON	2MW (ERP)	XD

Call Sign	Location	Lat/Lon	Points of Communication
WA2XIE	(1) Naval Ocean Systems Center San Diego, CA	NL 32 42 12/WL 117 15 15	
	(2) Culver City, CA	NL 33 58 56/WL 118 24 37	
	(3) Edwards Air Force Base, CA	NL 35 55 00/WL 117 52 00	
	(4) Point Mugu Naval Test Center Oxnard, CA	NL 34 06 46/WL 119 07 18	
	(5) Eglin Air Force Test Ctr. FL	NL 30 31 19/WL 86 19 02	
	(6) *Nellis Air Force Base, NV	NL 36 14 11/WL 115 20 03	
	(7) Tyndall Air Force Base, FL	NL 30 04 08/WL 85 35 05	
	(8) Malibu, CA	NL 34 02 30/WL 118 42 00	
	(9) Canoga Park, CA	NL 34 13 24/WL 118 37 32	
	(10) **Fullerton, CA	NL 33 52 53/WL 117 57 49	
	(11) El Segundo	NL 33 55 48/WL 118 23 25	

- * Area for the main demonstration
** Area for the fabrication and primary testing of radar units

was FAX YPB

Reference: FAS Docket No. "FCCM" Serial No. FAS Meeting Date

Justification/Remarks:

This application is to obtain/renew license that expired Mar 1, 96, for testing and verification on ground based radar units manufactured by the Hughes aircraft company to support on-going military efforts in the field of target identification and radar processing of target signals.

HFW will change call sign back to KA2XVR

294
4/23/17
I 955377 0
A3/28

\$\$CHG NG 937567

TYP01 M

DAT01 970305

EXD01 990430

STC01 XD

XRC01 970413

XCL01 WA 2XIE

FAS01 RENEWAL AND CHANGE OF CALLSIGN.

\$\$CHG NG 937560

TYP01 M

DAT01 970305

EXD01 990430

STC01 XD

XRC01 970413

XCL01 WA 2XIE

FAS01 RENEWAL AND CHANGE OF CALLSIGN.

\$\$CHG NG 937561

TYP01 M

DAT01 970305

EXD01 990430

STC01 XD

XRC01 970413

XCL01 WA 2XIE

FAS01 RENEWAL AND CHANGE OF CALLSIGN.

\$\$CHG NG 937569

TYP01 M

DAT01 970305

EXD01 990430

STC01 XD

XRC01 970413

XCL01 WA 2XIE

FAS01 RENEWAL AND CHANGE OF CALLSIGN.

\$\$CHG NG 937568

TYP01 M

DAT01 970305

EXD01 990430

STC01 XD

XRC01 970413

XCL01 WA 2XIE

FAS01 RENEWAL AND CHANGE OF CALLSIGN.

\$\$CHG NG 937566

TYP01 M

DAT01 970305

EXD01 990430

STC01 XD

XRC01 970413

XCL01 WA 2XIE

FAS01 RENEWAL AND CHANGE OF CALLSIGN.

\$\$CHG NG 937562
TYP01 M
DAT01 970305
EXD01 990430
STC01 XD
XRC01 970413
XCL01 WA 2XIE
FAS01 RENEWAL AND CHANGE OF CALLSIGN.

I 9553 776 A3/28

\$\$CHG NG 937559
TYP01 M
DAT01 970305
EXD01 990430
STC01 XD
XRC01 970413
XCL01 WA 2XIE
FAS01 RENEWAL AND CHANGE OF CALLSIGN.

I 9553 777 A3/28

\$\$CHG NG 937563
TYP01 M
DAT01 970305
EXD01 990430
STC01 XD
XRC01 970413
XCL01 WA 2XIE
FAS01 RENEWAL AND CHANGE OF CALLSIGN.

I 9553 778 A3/28

\$\$CHG NG 937565
TYP01 M
DAT01 970305
EXD01 990430
STC01 XD
XRC01 970413
XCL01 WA 2XIE
FAS01 RENEWAL AND CHANGE OF CALLSIGN.

I 9553 779 A3/28

\$\$CHG NG 937564
TYP01 M
DAT01 970305
EXD01 990430
STC01 XD
XRC01 970305
XCL01 WA 2XIE
FAS01 RENEWAL AND CHANGE OF CALLSIGN.

I 9553 780 A3/28

F C C FREQUENCY COORDINATION NOTICE

**Experimental Licensing Branch
Office of Engineering and Technology**

The following application is attached for your review:

NAME OF APPLICANT: Hughes Aircraft Company

COORDINATION NUMBER: 5586-EX-PL-97

DATE REFERRED: *mar. 6, 97*

COORDINATED WITH:

COMMENTS:

Mess Media Bureau

No mmb Comment 4/10/97

Wireless Telecomm. Bureau

No WTB Comment 4/7/97

Cable Service Bureau

*5586-EX-PL-97 is NYIA. There are
no CARS licenses in the vicinity of the
proposed operations*

RETURN TO: Young Carlson, 1300E1
Experimental Licensing Branch
Office of Engineering and Technology

****Any comments must be received by this office within 30 days of the above date; thereafter, it will be considered that there are no objections toward authorization.**

Hughes Aircraft Company
5586-EX-PL-97

Particulars of Operation:

<u>Frequency</u> (MHz)	<u>Class</u>	<u>Emission</u>	<u>Power</u> (Watts)	<u>Service</u>
7000-7125	MO	8OM0PON	2MW (ERP)	XD

Call Sign LOCATION

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	(10) ** Fullerton, CA	NL 33 52 53/WL 117 57 49
	(11) El Segundo, CA	NL 33 55 48/WL 118 23 25

* Area for the main demonstration
** Area for the fabrication and primary testing of radar units

JUSTIFICATION/REMARKS:

This application is to obtain/renew license that expired Mar 1, 96 for testing and verification on ground based radar units manufactured by the Hughes Aircraft Company to support on-going military efforts in the field of target identification and radar processing of target signals.

From: Young Carlson
To: MMB
Date: 3/6/97 1:30pm
Subject: Experimental - 5586-EX-PL-97

Attached is a coordination request for an experimental. Your response within 30 days would be appreciated.

Thanks
Young

No response as of 4/10/97
DY

From: Thomas Stanley
To: J4.J4.NHEILMEI, J4.J4.YCARLSON
Date: 4/4/97 5:07pm
Subject: EXP COORD: WTB Response to 8 Recent App.

Nona & Young,

Below you will find WTB's reaction to the 8 recent experimental coordination requests.

Except for 5638 (InterOcean Systems) we do not object to these experimental applications, but we do raise the comments and conditions noted below.

- 5624 Advanced Nationwide Messaging--Power levels in 901-902 Mhz of 150 w is significantly higher than that currently used in band. Any reason not to limit power to current limit of 7 w?
- 5654 Glenayre--Broad request includes public safety and amateurs. Is all this needed? No experimentals in public safety bands. Also, emission designator is ambiguous.
- 5607 State of Alaska--OK, but suggest that Alaska may wish to pursue unlicensed approaches.
- 5586 Hughes--No WTB comment.
- 5622 BST--No WTB comment.
- 5633 Maritime Telecom. Network--No WTB comment.
- 5638 InterOcean Systems--WTB does not concur with this application. The 157 band uses 50 w stations for public coast services; 467 Mhz band, for harbor use with 4 w limits; 152 Mhz could be used, but only at limited power and radiating out to sea. In summary, this appears to need rethinking.
- 5658 3M Corp--No WTB comment.

Thanks. Tom S.

CC: WTB EXP COORD

From: Mike Lance
To: J4.J4(YCARLSON)
Date: 3/7/97 11:07am
Subject: Experimental -Reply

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CSB's response to experimental application 5586-EX-PL-97 is NHIA. There are no CARS licensees in the vicinity of the proposed operations.

Mike Lance

>>> Young Carlson 03/06/97 01:35pm >>>

Attached is a coordination request for an experimental license. Your response within 30 days would be appreciated.

Thanks
Young