

John Kennedy

From: Linton, Anne [ALinton@PattonBoggs.com]
Sent: Thursday, November 01, 2007 11:21 AM
To: John Kennedy
Cc: Thomas J Fagan
Subject: File Number 0069-EX-ML-2006

Importance: High

Attachments: raytheon 2006 07 26 Hepsen GPS FAA Coordination.pdf



raytheon 2006 07
26 Hepsen GPS...

Dear John,

Thank you for your help with the Raytheon Experimental License modification application, 0069-EX-ML-2006.

Following on our conversation, I am sending you the July 2006 FAA prior coordination on the use of the GPS L2 frequency, 1227.6 MHz for this license application. The documentation is attached. The coordinator is John Hepsen of AWP. The coordination numbers, as you will see in the attached document, are: 1227.6 MHz - coordination # AF T066214; 1575.42 MHz - coordination # AF T066215.

I also want to confirm, should anyone ask, the stop buzzer point of contact for this application is Thomas J. Fagan, Spectrum Manager, 520-794-0227.

If you have any questions about the materials attached, or if there are any other issues regarding this application, please call me at 202-457-7528 or send me e-mail at alinton@pattonboggs.com or you can contact Tom Fagan at 520-794-0227 or tjfagan@raytheon.com. We are most appreciative of your help through this process.

Best regards, Anne

<<raytheon 2006 07 26 Hepsen GPS FAA Coordination.pdf>>

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John.Hepsen@faa.gov

07/27/2006 02:28 PM

To Thomas J Fagan <tjfagan@Raytheon.com>

cc Calvin.Ngo@faa.gov, Sydney.Bradfield@faa.gov,
Phuong.Duong@faa.gov

bcc

Subject Re: Fw: RMS Tucson FCC FAA GPS Rerad license WD2XKJ

History:

 This message has been replied to.

Tom,

The coordination numbers for the two Tucson GPS re-radiators requested below are:

1227.6 MHz	coord#	AF T066214
1575.42 MHz	coord#	AF T066215

John

Thomas J Fagan
<tjfagan@raytheon.com>

07/13/2006 03:25
PM

John Hepsen/AWP/FAA@FAA

To

cc

Calvin Ngo/ANM/FAA@FAA, Sydney
Bradfield/AWP/FAA@FAA

Subject

Re: Fw: RMS Tucson FCC FAA GPS
Rerad license WD2XKJ

John

Here is one new site as listed on the website under the WD2XKJ application. The equipment is the same as is used in our other sites granted under WD2XKJ. I can not bring up the other site. I'll send that to you tomorrow when the FCC site is working better.

Tom
Thomas J. Fagan

Raytheon Missile Systems
 E3 & Spectrum Management
 P.O. Box 11337
 Bldg M02 M/S T16
 Tucson Arizona 85734-1337
 520 794-0227
 520 794-2857 fax
 520 465-7087 mobile
 tjfagan@raytheon.com

City	State	Latitude	Longitude	Mobile	Street (or other indication of location)	County	Radius of Operation
Tucson	Arizona	North 32 7 39	West 110 56 7		1151 E. Hermans Road Bldg 907	PIMA	0.00

Datum: NAD 83

Is a directional antenna (other than radar) used? Yes

Exhibit submitted: No

(a) Width of beam in degrees at the half-power point:

(b) Orientation in horizontal plane:

(c) Orientation in vertical plane:

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? No

(a) Overall height above ground to tip of antenna in meters:

(b) Elevation of ground at antenna site above mean sea level in meters:

(c) Distance to nearest aircraft landing area in kilometers:

(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:

Act ion	Frequency	Station Class	Output Power/ER P	Mean Peak	Frequency Tolerance (+/-)	Emission Designat or	Modulati ng Signal
New	1227.60000000-12 27.60000000 MHz	FX	N/A 0.000124 pW	P	0.00100000 %	24M0G1D	

Act ion	Frequency	Station Class	Output Power/ER P	Mean Peak	Frequency Tolerance (+/-)	Emission Designat or	Modulati ng Signal
New	1575.42000000-15 75.42000000 MHz	FX	N/A 0.000124	P	0.00100000 %	24M0G1D	

pw

-----John.Hepsen@faa.gov wrote: -----

To: Thomas J Fagan <tjfagan@raytheon.com>
From: John.Hepsen@faa.gov
Date: 07/13/2006 02:24PM
cc: Calvin.Ngo@faa.gov, Sydney.Bradfield@faa.gov
Subject: Re: Fw: RMS Tucson FCC FAA GPS Rerad license WD2XKJ

Tom,

Please send me the data for the two new GPS re-radiators.

John

Sydney
Bradfield/AWP/FAA

07/13/2006 02:07
PM

John Hepsen/AWP/FAA@FAA

To

cc

Thomas J Fagan
<tjfagan@RAYTHEON.COM>, Calvin
Ngo/ANM/FAA@FAA

Subject

Fw: RMS Tucson FCC FAA GPS Rerad
license WD2XKJ

John,

According to Tom Fagan in his voice mail to me, his request below is for two different Re-Rads although they are nearby to some already approved; however, the FCC has asked him to provide new coordination numbers. Can you take care of this for him?

Thanks,

Sydney

----- Forwarded by Sydney Bradfield/AWP/FAA on 07/13/2006 01:52 PM -----

Sydney
Bradfield/AWP/FAA

07/12/2006 03:39
PM

Thomas J Fagan
<tjfagan@RAYTHEON.COM>

To

cc

John Hepsen/AWP/FAA@FAA, Calvin
Ngo/ANM/FAA@FAA
Subject
Re: RMS Tucson FCC FAA GPS Rerad
license WD2XKJ(Document link:
Sydney Bradfield (Archive))

Tom,

Please look at the coordination below for Tucson GPS Reradiators performed for the Air Force on behalf of Raytheon facilities to insure that we do not perform a duplicate request.

Then, after confirming with us, John Hepsen can perform any remaining coordinations for you.

Thanks,

Sydney Bradfield
WSA Spectrum Engineering Services
Operations Engineering Section, AWP-471.2
310-725-3671, DSN 958-3671

Thomas J Fagan
<tjfagan@RAYTHEON
.COM>

07/12/2006 11:27
AM

Sydney Bradfield/AWP/FAA@FAA

To

cc

Subject

RMS Tucson FCC FAA GPS Rerad
license WD2XKJ

Sydney,

Here is the last email from Neal saying we were good within a 250 nm range for our FCC license WD2XKJ

We added two new buildings right next to two other approved buildings. Should be no problem. Same equipment just had to add two more systems.

John Kennedy just wanted you to send him the coordination numbers again.

Tom
Thomas J. Fagan
Raytheon Missile Systems

E3 & Spectrum Management
P.O. Box 11337
Bldg M02 M/S T16
Tucson Arizona 85734-1337
520 794-0227
520 794-2857 fax
520 465-7087 mobile
tjfagan@raytheon.com(See attached file: 2005 11 08 FAA response5.pdf)

----- Forwarded by Sydney Bradfield/AWP/FAA on 07/12/2006 03:34 PM -----

John
Hepsen/AWP/FAA

05/05/2006 11:23
AM

Grimaldi Thomas M CIV USAF 96
CG/SCWF
<thomas.grimaldi@eglin.af.mil>

To

cc

Calvin Ngo/ANM/FAA@FAA, Hongye
Pan/ANM/FAA@FAA, Phuong
Duong/AWP/FAA@FAA, Sydney
Bradfield/AWP/FAA@FAA, Rodney
Murphy/AWA/FAA@FAA

Subject

Re: GPS Re-radiator Coordination
(Document link: Sydney Bradfield
(Archive))

The coordination numbers for the requested GPS re-radiators are:

AF 060044	M1227.6	COORD#	AF T066021
AF 060046	M1227.6	COORD#	AF T066022
AF 060048	M1227.6	COORD#	AF T066023
AF 060050	M1227.6	COORD#	AF T066024
AF 060052	M1227.6	COORD#	AF T066025
AF 060054	M1227.6	COORD#	AF T066026
AF 060056	M1227.6	COORD#	AF T066027
AF 060058	M1227.6	COORD#	AF T066028
AF 060060	M1227.6	COORD#	AF T066029
AF 060045	M1575.42	COORD#	AF T066030
AF 060047	M1575.42	COORD#	AF T066031
AF 060049	M1575.42	COORD#	AF T066032
AF 060051	M1575.42	COORD#	AF T066033
AF 060053	M1575.42	COORD#	AF T066034
AF 060055	M1575.42	COORD#	AF T066035
AF 060057	M1575.42	COORD#	AF T066036
AF 060059	M1575.42	COORD#	AF T066037
AF 060061	M1575.42	COORD#	AF T066038

John

Sydney
Bradfield/AWP/FAA

05/02/2006 10:32
AM

John Hepsen/AWP/FAA@FAA

To

CC

Grimaldi Thomas M CIV USAF 96
CG/SCWF
<thomas.grimaldi@eglin.af.mil>,
Rodney Murphy/AWA/FAA@FAA, Phuong
Duong/AWP/FAA@FAA, Calvin
Ngo/ANM/FAA@FAA, Hongye
Pan/ANM/FAA@FAA

Subject

GPS Re-radiator Coordination
(Document link: John Hepsen)

Hi John,

Here's another GPS Re-radiator request that you could help us on. I would suspect that it would need to be consistent also with the below guidance from Headquarters on the last coordination you worked.

Thanks,

Sydney Bradfield
WSA Spectrum Engineering Services
Operations Engineering Section, AWP-471.2
310-725-3671, DSN 958-3671

----- Forwarded by Rodney Murphy/AWA/FAA on 04/04/2006 03:23 PM -----

Rodney
Murphy/AWA/FAA

04/03/2006 11:07
AM

John Cabala/AWA/FAA

To

CC

John Hepsen/AWP/FAA@FAA, Phuong
Duong/AWP/FAA@FAA, Rene
Balanga/AWA/FAA@FAA, Sydney
Bradfield/AWP/FAA@FAA

Subject

Re: Fw: GPS Re-Radiator Frequency
Coordination Request(Document link:
Rodney Murphy)

I have no objection to Raytheon's request for a GPS re-radiator provided that it obeys the requirement in the NTIA redbook (Section 8.3.28). Especially the use of a "Stop Buzzer" for this operation, which they should coordinated with the FAA for a contact.

(See attached file: I34350_1_NTIA_Addition_of_Section_8.3.28_GPS_Re-Radiators.pdf)

Rodney Murphy
Federal Aviation Administration
ATO Spectrum Engineering Services
Spectrum Assignment and Engineering Office
Land Mobile, Fixed, Satellite and UHF/AM Communications
(202) 267-9501

Grimaldi Thomas M
CIV USAF 96
CG/SCWF
<thomas.grimaldi@eglin.af.mil>

Sydney Bradfield/AWP/FAA@FAA
To
cc

05/02/2006 07:51
AM

Subject
FW: DELIVERY FAILURE: User
sydney.bradfeild
(sydney.bradfeild@faa.gov) not
listed in Domino Directory

Second Try

-----Original Message-----

From: Postmaster@faa.gov [mailto:Postmaster@faa.gov]
Sent: Tuesday, May 02, 2006 9:40 AM
To: Grimaldi Thomas M CIV USAF 96 CG/SCWF
Subject: DELIVERY FAILURE: User sydney.bradfeild
(sydney.bradfeild@faa.gov)
not listed in Domino Directory

Your message

Subject: GPS Re-radiator Coordination

was not delivered to:

sydney.bradfeild@faa.gov

because:

User sydney.bradfeild (sydney.bradfeild@faa.gov) not listed in Domino Directory

(See attached file: ATT551023.TXT)
----- Message from Grimaldi Thomas M CIV USAF 96 CG/SCWF
<thomas.grimaldi@eglin.af.mil> on Tue, 2 May 2006 09:39:44 -0500 -----

To: "'sydney.bradfeild@faa.gov'" <sydney.bradfeild@faa.gov>

cc: Giangrosso Joseph P Mr CIV USAF 96 CG/SCWF
<joseph.giangrosso@eglin.af.mil>, Rod Hanson
<rodney.hanson@hua.army.mil>

Subj GPS Re-radiator Coordination
ect:

Mr. Bradfeild,

I trying to coordinate the following (attached) 18 frequency proposals with your office. They are GPS re-radiators (L1 and L2) used in support of AMRAAM testing at the Raytheon facilities in Tucson, AZ.

Mr. Hansen,

Please note that I corrected the site elevations to reflect the Tucson area vice the Eglin area.

v/r

TOM GRIMALDI, 96 CG/SCWF, GS-12
Office of DoD Gulf Area Frequency Coordinator
Office of Eglin Range Spectrum Manager
201 West Eglin Parkway, Suite 228
Eglin AFB, FL 32542-6829
COM: 850-883-5982
DSN: 875-5982
FAX: 850-882-3523
HOT LINE: 850-883-7535(See attached file: GAFC 2006-1008.pdf)

(See attached file: 2005 11 08 FAA response5.pdf)(See attached file: I34350_1_NTIA_Addition_of_Section_8.3.28_GPS_Re-Radiators.pdf)(See attached



file: ATT551023.TXT)(See attached file: GAFC 2006-1008.pdf) 2005 11 08 FAA response5.pdf



I34350_1_NTIA_Addition_of_Section_8.3.28_GPS_Re-Radiators.pdf ATT551023.TXT GAFC 2006-1008.pdf