

Behnam Ghaffari

From: Wells, Claude [claude.wells@lmco.com]
Sent: Tuesday, December 15, 2009 10:05 AM
To: Mark Settle; Creeser, Giselle; Behnam Ghaffari; Brett Greenwalt
Cc: Mai Tran
Subject: RE: File Number 0418-EX-PL-2009, Call Sign WF2XFM

The program has reviewed the Huntsville site coordinates and have adjusted them to read the following:
 Huntsville: 34°41'37.1" x -86°42'38.4" based on the address provided.

1. Emergency POC
 - a. Brian Kraemer
 - b. W: 410-682-0442
 - c. H: 410-592-6363
 - d. C: 410-491-5278

The program is working on the power level issue at this time. Do you need me to re-enter the application to adjust the site coordinates they have corrected? I can add an amendment to show the POC.

Claude

From: Mark Settle [mailto:Mark.Settle@fcc.gov]
Sent: Monday, December 14, 2009 3:47 PM
To: Wells, Claude; Creeser, Giselle; Behnam Ghaffari; Brett Greenwalt
Cc: Mai Tran
Subject: RE: File Number 0418-EX-PL-2009, Call Sign WF2XFM

Thanks Claude,

We may have it already in ELS, but could you provide phone #s for Brian Kraemer when you verify the coordinates and 100 foot distances?

Thanks,

Mark

From: Wells, Claude [mailto:claude.wells@lmco.com]
Sent: Monday, December 14, 2009 2:17 PM
To: Creeser, Giselle; Mark Settle; Behnam Ghaffari; Brett Greenwalt
Cc: Mai Tran
Subject: RE: File Number 0418-EX-PL-2009, Call Sign WF2XFM

Just had a telephone conversation with Brian Kraemer regarding the noted issues. He will be the POC for this program and I will put his contact info in an attachment for this application. He will verify the site coordinates at Huntsville, they used a handheld GPS unit just outside of the building they will be testing in and the application coordinates were based on that information, but they will review and get a verification on the site coordinates. They are also going to do the required verification of the power levels at 100 feet from the buildings to meet the

12/22/2009

NTIA Manual and agree to posting the signage as stated. The testing in Baltimore will be conducted Monday through Friday between 8A and 5P. If other FAA requirements are required please advise.

Claude

From: Creeser, Giselle
Sent: Monday, December 14, 2009 1:40 PM
To: 'Mark.Settle@fcc.gov'; 'Behnam.Ghaffari@fcc.gov'; 'Brett.Greenwalt@fcc.gov'
Cc: Wells, Claude; 'Mai.Tran@fcc.gov'
Subject: Re: File Number 0418-EX-PL-2009, Call Sign WF2XFM

Mark,

Claude or I will get you input asap.

Thx,

Giselle

From: Mark Settle <Mark.Settle@fcc.gov>
To: Creeser, Giselle; Behnam Ghaffari <Behnam.Ghaffari@fcc.gov>; Brett Greenwalt <Brett.Greenwalt@fcc.gov>
Cc: Wells, Claude; Mai Tran <Mai.Tran@fcc.gov>
Sent: Mon Dec 14 13:24:01 2009
Subject: RE: File Number 0418-EX-PL-2009, Call Sign WF2XFM

Giselle,

We need to be able to add text like that shown below to the coordination record to be able to move forward with the application. Could you please review and verify if the requirements in the text can be met for this instance. Also, please provide a stop-buzzer contact (It may already be available in ELS, but Ben is out this week and I am trying to move this record along, so I may be asking you for duplicate information but I am only doing so out of desire to complete the coordination more quickly). Finally, can you please verify the coordinates for the Huntsville location.....we looked at Google earth, and another mapping software application and the coordinates appeared to be right in the middle of an intersection. We have been in contact with Tom Woods, and once we have that info we should be able to get this record completed (only other possible problem may be FAA due to the proximity of the Baltimore site to a commercial airport). You can contact Brett Greenwalt or Mai Tran (both copied here) if you have any other questions about the records. They are the SCB staff working directly on this application.

Thanks,

Mark

Supplemental Text:

EXPERIMENTAL RNSS TEST DEVICE FOR THE PURPOSE OF TESTING STAND-ALONE GPS RECEIVERS OR GPS RECEIVERS THAT ARE AN INTEGRAL COMPONENT OF AN EQUIPMENT UNDER TEST. LOCKHEED MARTIN HAS SUBMITTED CALCULATIONS TO PREDICT THAT THE INSTALLATION WILL BE AT OR BELOW THE LIMIT SPECIFIED IN NTIA MANUAL SECTION 8.3.28. THE STOP BUZZER IS (John Doe 123-555-1234 CELL 123-555-1234). AREA OF POTENTIAL INTERFERENCE TO GPS RECEPTION SHALL BE UNDER THE CONTROL OF LOCKHEED MARTIN. EIRP IS NO GREATER THAN -140 DBM/24 MHZ AT 100 FEET. LOCKHEED MARTIN MUST POST A SIGN ON DOORS TO THE TESTING AREA STATING GPS RE RADIATOR IN USE AND YOUR GPS SIGNAL MAY BE IN ERROR.

12/22/2009

From: Creeser, Giselle [mailto:giselle.creeser@lmco.com]
Sent: Friday, December 11, 2009 5:15 PM
To: Behnam Ghaffari; Mark Settle
Cc: Wells, Claude
Subject: File Number 0418-EX-PL-2009, Call Sign WF2XFM

Ben and Mark,

Following is clarification on the GPS frequency assignments for the above referenced application.

The program will use a commercial GPS antenna that transmits a "Live sky" signal through 400 feet of COAX cable to a re-radiation hood that provide a GPS signal to the NLOS CLU that is needed for it to operate (i.e. launch missiles - simulated). We are NOT using a GPS simulator. The CLU will be in various environmental chambers (Big Steel boxes) that will induce environments (Heat, Cold, Sand, Dust, Snow etc), and so cannot "see" live sky without the Re-radiation system.

Please let me know if you need anything further.

Best regards,

Giselle

Giselle Creeser
Lockheed Martin Corporation
Government & Regulatory Affairs
703-413-6983 (ph)
giselle.creeser@lmco.com