

From: Mark Schroeder @ AZ APCO AFC [schroederm@apco911.org]
Sent: Friday, February 17, 2006 5:01 AM
To: Koala, Bertin; kvoss@kpnx.com
Cc: Zappala, Chuck
Subject: RE: Frequencies coordination for license renewal at The MESA Arizona antenna range

This is very helpful. Thanks!

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For information about APCO AFC, go to:
<http://www.apco911.org/frequency/>

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

From: Koala, Bertin [mailto:Bertin.Koala@boeing.com]
Sent: Tuesday, February 14, 2006 11:57 AM
To: schroederm@apco911.org; kvoss@kpnx.com
Cc: Zappala, Chuck
Subject: FW: Frequencies coordination for license renewal at The MESA Arizona antenna range
Importance: High

Karl here is our new spreadsheet with the removal of the Astronomy and the request above 700 (Highlighted in Action column). Also attached is a picture of the experiment setting and the antenna patterns. Please let me know if that is enough for coordination. Thanks

Our stop buzzers for this project are

Michael J Valle (pager: 800-946-4646, pin 1484616) or Donald T Johnson (Telephone 480-891-1583, Pager 602-220-8886)

Please look at the attached files and let me know if that is enough information. Thanks. <<Mesa Arizona for SBE.xls>> <<drawings.doc>> <<Antenna radiations.doc>> <<as-48461.pdf>>

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> _____
> From: Koala, Bertin
> Sent: Monday, February 13, 2006 4:16 PM
> To: 'kvoss@kpnx.com'
> Cc: 'schroederm@apco911.org'; Zappala, Chuck
> Subject: Frequencies coordination for license renewal at The MESA Arizona antenna range
> Importance: High
>
> Hi Karl, Mark, thanks for your responses. I have not seen any other

> response from other operators or groups in your region. After talking

> to my internal customers I am going to try to see if you we could

> address your concerns. Before doing so I just want to clarify that the

> site is used to do some tests with some of the frequencies whenever

> the need occurs. It is therefore not being used all the time. The

> power level indicated are the maximum , they usually try to test below

> those levels.

>

> Let me try to address Karls' concerns

> 1. While the old license more or less protected active TV channels,

> with

> parts of TV-3 and TV-45 possibly affected, they were running more

> power

> than they are currently requesting.

>

> You are right, but We did not formally received a complaint from any

> operator in the TV channels. Operating at a lower power could only

> prove to better for all users. We are ready to address any user

> concern with stop buzzer information and coordination..

>

>

> 2. The new request is running less power, but it includes MOST of the

> TV bands, all of the FM bands and critical BAS frequencies such as the

> 450/455 RPU bands and 6/7 GHz TV microwave frequencies.

>

>

> You are right, but the fact that it is low power make us more

> susceptible from being interfered with than the other way around. We

> will cease operation as per license requirement if we found that our

> tests create interference to any station. A 24 hours stop buzzer

> information would be provided to all parties concerned. An advance

> notice of testing would be provided to concerned parties.

>

> 3. Previously, I believe their operations had a limited impact on

> broadcast users, this new request may have SIGNIFICANT impact to not

> only BAS operations but also to viewers and listeners. I believe we

> need to look at this VERY closely.

>

> Boeing did not received a formal claim that their operations had an

> impact on broadcast users, or it would have followed procedure

> dictated by it's license. We are sorry if that was the case. Boeing

> would be using directional horn antennae pointing away from the

> airport (antennae specs , and location of testing with pictures

> would be provided later). In addition to that , the power used is one

> tenth of what the current existing license allows. We look forward

> to providing information to interested parties about a point of

> contact for our tests.

>

>

>

> 4. This request also includes frequencies in TV-37 (608-614 MHz),

> which is protected for Radio Astronomy.

>

> We will REMOVE THIS IF NECESSARY.

>

> 5. I believe we need additional antenna specs; including azimuth,
> elevation and antenna patterns. Additionally, we need a "kill" phone
> number and some method for Boeing to inform us of upcoming tests and
> frequencies used in the tests. There is nothing worse than getting a
> viewer/listener complaint and replying "It must be local interference
> as I'm unaware of anything that could be happening".
>
> You are right, all that information would be provided . I will need
> from you a point of contact to provide that information. Should that
> person be you or all TV operators representative in the area? Please
> let me know.
>
>
> 6. How much lead time should we ask from Boeing before testing? Should
> Boeing contact the individual stations that may be affected or send
> something to all stations/users?
>
> We will work with all users to provide some reasonable lead time.
> Where do we get contact information for all station users? Do you
> have that information? We will see how to address this when we have a
> license to operate. This is internal customer dependant.
>
>
>
> To address Mark's concern
>
> No Testing in the in the newly established 700 MHz band, and between
> 806 and 869 MHz.
>
> Given the low power used , we doubt that there would be any
> significant interference with your customers. We will need a point of

> contact so we could address any problems that might arise. Again we
> are willing to remove those band ..
>
>
>
>
> Please get back to me to let me how we would proceed from here, and
> what information you need. Thanks from your help
>
> Bertin Koala
> Frequency Licensing Specialist
> Frequency Management Services
> The Boeing Company
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