

Tina Chu

From: Andrew Leimer <Andrew.Leimer@fcc.gov>
Sent: Monday, October 03, 2011 9:55 AM
To: Mark Briggs
Cc: Douglas Anderson; Tina Chu; Michael Heckrotte; Rashmi Doshi
Subject: RE: DFS alternate procedures for traffic (client devices)
Attachments: 11I14021_Proposal for Alternate DFS Test Procedure for Samsung P2.pdf

Hello,

The alternative streaming method proposal using a FTP file transfer has been approved. Be sure to include the proposal document (attached) and approval in the application exhibits.

Regards

Andy Leimer
FCC/OET/EACB

From: Michael Heckrotte [mailto:michael.heckrotte@ccsemc.com]
Sent: Friday, September 30, 2011 2:14 PM
To: Andrew Leimer
Cc: Douglas Anderson; Tina Chu; Mark Briggs
Subject: RE: DFS alternate procedures for traffic (client devices)

Andy,

We suggested the WAV file but this is also not supported, for the same reason. The problem is that the Android system does not interface with some parts of the computer world. Specifically, a player type application on Android cannot link to, thus subsequently stream, a file on a network.

The other streaming method that was proposed by the applicant, and apparently might work, was to display a U-Tube video. Given that this would [probably] be displayed in a browser-type application, we don't know what, if any, caching or bursting might occur, or what data rate might be in effect.

In conclusion our analysis was that the FTP file transfer was more repeatable and controllable, since all components of the system are local and the setup we used allowed us to select a known data rate.

Best Regards,
Mike

From: Mark Briggs
Sent: Friday, September 30, 2011 9:25 AM
To: Andrew Leimer
Cc: Douglas Anderson; Michael Heckrotte; Tina Chu
Subject: RE: DFS alternate procedures for traffic (client devices)

Hi Andy,

Thanks for the prompt reply.

I'll need to pass the questions back to the engineering team that performed the tests (Doug Anderson and Mike Heckrotte). I don't know what video-streaming methods are available but I am very certain that the file format of the NTIA file was not supported which drove the decision to use a file transfer protocol to load the channel.

Doug – can you please get answers to question (1) and confirm my comment above regarding question (2) ?

Thanks again,

Mark

From: Andrew Leimer [mailto:Andrew.Leimer@fcc.gov]
Sent: Friday, September 30, 2011 8:39 AM
To: Mark Briggs
Subject: RE: DFS alternate procedures for traffic (client devices)

Mark,

- 1) What streaming methods are available on the Android system for video streaming?
- 2) Could this device stream the NTIA WAV file?

Andy

From: Andrew Leimer
Sent: Friday, September 30, 2011 10:44 AM
To: 'Mark Briggs'
Subject: RE: DFS alternate procedures for traffic (client devices)

Mark,

I have received the document. I will be discussing this with Rashmi today. I will recommend that we approve the proposal and see if I can convince management to skip NTIA coordination. I will get back to you shortly.

Andy

From: Mark Briggs [mailto:Mark.Briggs@ccsemc.com]
Sent: Friday, September 30, 2011 10:05 AM
To: Andrew Leimer
Subject: RE: DFS alternate procedures for traffic (client devices)

Hi Andy,

Just checking in to confirm that this was received. Of course the applicant's filing, which is imminent, will be urgent so your best guess at processing time for this request would be appreciated so I can set their expectations up front.

Thanks,

Mark

From: Mark Briggs
Sent: Tuesday, September 27, 2011 1:54 PM
To: 'Andrew Leimer'
Cc: Douglas Anderson; Michael Heckrotte
Subject: RE: DFS alternate procedures for traffic (client devices)

Hi Andy,

Please see attached document outlining the proposed traffic loading method. Let me know if you need additional information and when you think we might have this approved.

Thanks a lot,

Mark

From: Andrew Leimer [mailto:Andrew.Leimer@fcc.gov]
Sent: Friday, September 16, 2011 7:17 AM
To: Mark Briggs
Subject: RE: DFS alternate procedures for traffic (client devices)

Hi Mark,

You can go either route – KDB or E-mail directly to me. Either method is acceptable since the exhibit will end up in the application for the record. If you choose to E-mail, copy Joe Dichoso. If this alternative streaming method is similar to a past proposal, reference the FCC ID in the cover letter. This will speed things up and possibly avoid the NTIA approval step.

Regards,

Andy Leimer
FCC/OET/EACB

From: Mark Briggs [mailto:Mark.Briggs@ccsemc.com]
Sent: Thursday, September 15, 2011 6:39 PM
To: Andrew Leimer
Subject: DFS alternate procedures for traffic (client devices)

Hi Andy

We are going to see a series of products that will not support the Windows Media player and video streaming of the mpeg file (either because the operating system does not support the Windows media player and/or the OS does not support the mpeg file format).

I think this requires the submission of a KDB to the FCC to describe a proposed alternate method for exercising the system during DFS tests for channel closing and channel move times, and non-occupancy time. Could you please confirm that this is still the case? If it is, what is the turnaround time and does NTIA still need to be involved?

Thanks for any advice you can give ... hope to see you in Baltimore at the end of October!

Best wishes,

Mark Briggs
Director, UL CCS Certification Program
UL Verification Services, WiSE Business Segment
(Wireless, Interoperability, payment Security, & EMC)

Mobile: 503 702 5892

