

From: James Whedbee

To: Doug Young

Date: September 29, 2014

Subject: Request for info - STA File #0871-EX-ST-2014

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Message:

Dear OET Engineer(s):

Thank you for advising me of the 10.68-10.7 GHz allocation. Of course, you are correct and I'm very happy to confine my signals to within the 10-10.6 GHz band, abandoning the 10.6-11 GHz segment of my application. The reason and basis for needing such a wide swath of spectrum is predicated in the 250KF3E modulating voice signal. Given the purpose of the application is to examine antenna designs, I was hoping to obtain the widest practical measure of spectrum so that the FM Voice signal wouldn't inadvertently generate an AM DSB signal if the antenna was too narrow in bandwidth during testing (as a narrow bandwidth antenna receiving a wideband FM signal will effectively clip those parts of the signals which are in excess of the antenna's bandwidth), thus distorting the emission and any antenna measurements. That's a long explanation, but hopefully gives an idea why 1 GHz bandwidth was the originally intended application. In reducing my application's request to 10-10.6 GHz, I hope you can grant the application now. Should any further changes need to be made, it is perfectly fine with me that you do so to permit efficient processing of the application. Again, thank you very much for the kindness of your correspondence. To you and yours...

Best wishes,

/s./ James Edwin Whedbee, 29 SEP 2014 @ 1853 CDT...