

IB DOCKET 11-109  
ET DOCKET 10-142

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From: Keith Peshak [mailto:keithpeshak@localnet.com]  
Sent: Monday, January 30, 2012 12:31 PM  
To: Jeremy Marcus; Robert Nelson; Geraldine Matise  
Subject: IB Docket 11-109 and 10-142

Folks:

I require your assistance to have the following document placed into comment on 11-109 and/or 10-142 as appropriate.

What I wish to point out is that there have been many claims made about the endangerment of GPS, our only remaining PNT system, from terrestrial transmission in the 10L and 10H segments of the L band by LightSquared on ~40,000 cell towers for a new generation of wireless Internet service; few data. I wish by this document to provide independently verifiable data, by engineering calculation (2) and by provision of a production readily available filter. Yes, there is a filter that will provide 140 db of LightSquared attenuation, which should allow coexistence of the two services. Yes, you will have to redesign all GPS antenna elements for the GPS receivers. No, you will not like the size and cost. No, that will not materially change as other providers copy the technology. Finally, in the last paragraphs, I make our argument for proposing this technical solution, be it not a moral one.

I hope you will see to the docket submission for me, and I hope that each of you will study this paper. Even though dissertation from engineers is usually quite dry, I hope you will find this short paper enlightening.

Hopefully, you will understand what you, collectively, almost wrought; and will work to have DHS re-enable eLoran. We will have a back-up PNT system, which was just proven we need, and I can put the baroaided eLoran - ILS (ask the FAA what a category IIIc instrument landing system is) back in my airplane (I am also a commercial pilot).

Thank you.