

I am a Professional Land Surveyor, licensed in the Commonwealth of Pennsylvania with over 20 years experience in working with GPS and other technologies; I have also been engaged in various capacities in oversight of the land surveying profession as former Chairman of the Pennsylvania State Registration Board for Engineers, Land Surveyors and Geologists, serving on the National Council of Examiners of Surveying and Engineering, working on the Geodetic Data Standard for the Pennsylvania Geospatial Data Sharing Standard, and more recently engaged in work in the Federal Government community, as well as the Open Geospatial Consortium. While I commend the LightSquared effort to extend wireless broadband capability, I am extremely concerned about conflicting usage of the frequency spectrum which has been widely reported to impact and degrade GPS signal quality. This would significantly impact ability to perform accurate and reliable work, essentially taking precision GPS location off of the table in some circumstances. I am hoping that there may be ways to modify the LightSquared technology or use different frequencies in such a way that it does not conflict with and degrade GPS signal quality. I thank the Commission for consideration and thought in this matter.