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Federal Communications Commission  
Office of the Secretary

Federal Communications Commission  
445 12<sup>th</sup> Street SW  
Washington, DC 20554

To Whom It May Concern:

I am writing to express my concern with the FCC allowing LightSquared to offer wireless broadband services in radio frequency bands adjacent to those used by GPS receivers. Independent testing has showed that by allowing LightSquared to go forward with plans to operate in this band will cause massive interference to GPS. GPS is extremely important to our business and the farmers we serve and the interference caused by LightSquared's operations would cause a large economic loss to our business and the producers we serve.

We use GPS every day for accurately applying crop protection products and fertilizers with our many applicators. We also use GPS to scout fields, soil sample, and much more. If GPS became unreliable or unusable it would cause us to lose money due to decreases in efficiency and the investments we made into GPS based technologies would be worthless. Loss of GPS would result in the use of more chemical and fertilizer because we would not have automatic section control to reduce doubling up on areas already covered and would make variable rate application impossible; these two things would also result in increased cost to the producers we serve. Also this increase in chemical and fertilizer use would not benefit the environment. GPS interference would make it extremely hard for us to apply the right rate, at the right time, and right place because it would be extremely hard to identify and accurately returning to the right place in a field. Furthermore, the farmers we serve have rapidly accepted and invested large sums of money to utilize GPS for things from section control to guidance and they can't afford to either not have these services or upgrade to something different.

GPS has allowed the American farmer to become even more productive while reducing their footprint on the environment. The loss of reliable GPS would essential set farming practices back 10 years or more. Furthermore, without the benefits of GPS farmers will be unable to supply enough food, fuel, and fiber to take care of an ever growing world population!

As someone who lives in rural America I understand the importance of establishing reliable broadband internet service for all of us who live out here. However, this increase in internet capacity can't come at the cost of the loss and reliability of GPS which has become an important part of our business and the farmers we serve!

Testing preformed at the request of the FCC has conclusively showed that LightSquared's proposed services would wipe out GPS reception. The FCC cannot allow LightSquared to continue to develop or try using the spectrum near the GPS band for their services. LightSquared services and GPS are incompatible and the FCC needs to order LightSquared out of that band.

Sincerely,

Christopher Pachta, CCA  
Precision Ag Agronomist  
Farmway Coop, Inc.