

2/23/12

Rural Tower Network, LLC.

PO Box 9559

Fargo, ND 58106

To the FCC: (Docket # 11-109)

This letter is in response to LightSquared's proposed operation that shows massive interference to GPS.

Our Company, Rural Tower Network (RTN), relies solely on GPS technology. RTN provides a networked coverage area of RTK GPS correction signal utilized by precision machine guidance system subscribers. We have invested heavily into this technology, constructing infrastructure to provide customers with wide area RTK GPS signal. Currently, we have 89 tower locations operating in three states. This network covers 21,500 square miles, or 14 million acres, of highly productive agricultural land. The massive GPS interference issue that would be caused by LightSquared's operation would render our companies operation useless. Our investment in RTK GPS base station deployment, nearly \$3.8 million, would be lost. Also, the benefit our customers find from the use of RTK GPS systems such as: input cost reductions, increased machine efficiencies and reduced environmental impact would be reversed causing certain hardship to their operations.

While more capacity for wireless broadband services in rural areas is important, it should not come at the expense of the GPS industry. The results of the testing that were performed at the FCC's request are conclusive, showing that GPS reception would be wiped out by LightSquared's proposed service. LightSquared's operations and GPS are fundamentally incompatible and the FCC should not allow LightSquared's operation to continue. Furthermore, the FCC should formally adopt their proposed recommendations to deny LightSquared the authority to offer any ground based wireless network.

Sincerely,

Kirk Johnson, Project Manager
Rural Tower Network, LLC.