July 24, 2011

To: Federal Communications Commission

File: SAT-MOD-20101118-00239

My small business uses high precision GPS receivers daily in the course of land surveying operations in Arizona, Colorado, Montana and North Dakota. If the quality of satellite GPS signals were to be adversely affected, in any way, by the proposed LightSquared broadband network, the best case would be a much higher cost to our clientele. The most likely worst case would be to close this small business entirely, due to the cost of upgrades required to accommodate the presence of the LightSquared system in frequencies so near to those used in the high precision GPS industry.

While more capacity for wireless broadband services is important, it should not come at the expense of GPS, which is critical to our country's economy. In our case, Professional Land Surveying that has legal and real property rights implications for the public, as well will be severely impacted.

The results of the tests that were performed at the FCC’s request are conclusive - they show that GPS reception would be wiped out by LightSquared’s proposed service.

Now that the test results have shown interference to GPS, the FCC should not allow LightSquared to keep trying out modified versions of its plan to use the spectrum near the GPS band. LightSquared’s operations and GPS are fundamentally incompatible and the FCC should order LightSquared out of that band without further debate.

I urge the FCC to resolve this issue in favor of the precision GPS community without involving our dysfunctional Congress.

Respectfully submitted,

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