

I am concerned that LightSquared's proposed system is not compatible with GPS. I am a medical scientist with an electrical engineering background and hold FCC General Radiotelephone License PG-2-22338. We depend on GPS for fast and reliable delivery of medical devices in our cars and for shipments by air and ground. Since learning of a possible problem a month ago by my college roommate, an engineer with Draper Labs, I have sought to understand the nature of the problems and promises involved. I value innovation and more available broadband wireless, but am greatly troubled by the disparity between LightSquared's powerful ground stations and the very low signal levels received from GPS satellites. I understand testing to have revealed important interference, despite the slightly different frequencies assigned, and that filters or antenna arrays to mitigate this are not presently practical. There is such a fundamental disparity in power levels that GPS and LightSquared seem incompatible. I urge LightSquared and the FCC to work to an implementation that does not disrupt GPS and suspect this will require alternative frequencies on the part of LightSquared. Thanks.

-- Curt

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