

Navigational systems utilizing GPS data have transformed surface, sea, and air travel, whether for pleasure, business, or emergency response purposes. The GPS infrastructure was designed around a very low powered signal from orbiting satellites, which results in the possibility of interference from ground based transmitters at nearby transmission frequencies. The potential for interference from ground transmitters was recognized from the outset, so regulatory policy was enacted that protected the GPS infrastructure from these sort of problem. The proposed LightSquared ground based transmitters are exactly the type of system purposely prohibited to protect the U.S. investment in GPS navigation systems. I encourage the FCC to ensure that any new proposed use of the electromagnetic spectrum not be authorized if that use impacts the existing beneficial users of GPS based navigational systems.