

**Silvus Technologies**  
**STA Application 1558-EX-ST-2017**  
**Narrative Explanation of Operation**  
**Use of GPS Repeater in Support of R&D Program**  
**Los Angeles, CA**

This application proposes the use of a single Global Positioning System (GPS) repeater at a single indoor location for use in fulfillment of a government research project. Silvus Technologies has an ongoing research program with DARPA for development of new technology based on GPS signals (i.e. advanced communication and navigation technologies that use GPS signals for timing and synchronization). For this ongoing project, Silvus needs to receive GPS signals indoors at its Research and Development facility at Los Angeles, California to develop and test this technology.

The occupied bandwidths of the signals and the center frequencies to be used are as follows: For the GPS frequency: 1575.42 MHz plus and minus 10 megahertz; and for the GLONASS frequency: 1602 MHz plus and minus 8 megahertz. The device will be deployed indoors only at a height above ground level within an enclosed building of 50 meters.

Upon receipt of any complaint of interference from any source, FCC licensee or government entity (or otherwise), operation pursuant to this STA will cease and will not resume unless and until the interference complaint is resolved satisfactorily to the complainant.

**The stop buzzer contact for this operation is Phoebe Basilio, whose telephone number is 310-479-3333.** All other communications can be directed to the office of counsel for Silvus Technologies, as follows:

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