

Document for application of Experimental License to use GPS repeater.

Geometrics is testing GPS receivers and their application for use in disciplining crystal microcontroller oscillators. The tests and experiments must be done in a temperature controlled oven that does not pass RF signals. It does not pass signals in GPS band or attenuates them to the point of loss of GPS lock.

The repeater, a Roger GPSR-A, will use a receiving antenna on the roof of the building to receive incoming signals in the L1 band. It will repeat the identical signal inside the RF attenuated temperature chamber. This way experiments can be carried on over the temperature of the future product.

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