

This FCC license application is for an installation of a ROGER-GPS (GNSS-L1L2G1GA-67-BP-US) Repeater Package at our business location of 20511 Seneca Meadows Parkway, Suite 100 in Germantown, MD 20876. The GPS repeater is enough to provide a GPS L1 (1.57542 GHz), GPS L2 (1.2276 GHz), Glonass G1 (1.602 GHz), Galileo E1 (1.57542 GHz), and Beidou (1.561 GHz) indoor signal coverage area of ~ 10,700 ft² and a distance of up to 164 ft. from the repeater center. We will mount the external antenna on the roof of the building and connect the cable supplied with the kit to the antenna and to the repeater installed indoors, connect the power supply unit to the repeater, adjust the repeater's transmission power according to the local conditions (to prevent a signal loopback) to use the indoor GNSS coverage.

Attached is GPS L1L2 Budget Calculations.pdf to prove that the repeated signal power level will stay below -140 dBm measured at 100 ft. from outer wall of building.

Please don't hesitate to ask me for anything else that's required ...

r/Mike

Mike Staring
Director of Compliance
RADA Technologies, LLC
703 328-4011
mstaring@radausa.com