

REQUEST FOR EXPERIMENTAL LICENSE

Sensus Spectrum LLC (“Sensus”), pursuant to Section 5.54(a)(1) of the Commission’s rules, hereby requests a conventional experimental radio station license.¹ The purpose of this request is to allow Sensus to operate GPS signal repeaters within its labs in order to inspect and evaluate electronic devices using GPS radios. As set forth below, grant of this request will serve the public interest, convenience and necessity.

Sensus is a leading provider of Smart Grid devices for Critical Infrastructure utilities around the world. Sensus develops and perform product testing in its Morrisville, NC location consisting of multiple adjacent buildings within an office park. As part of this development and end-to-end product testing, it is essential to test GPS timing and location aspects of its system designs.

In order to obtain adequate indoor GPS signals for testing throughout the lab and the development facility, Sensus requires the use of GPS repeaters at two locations. External receive antennas will be roof mounted. Omnidirectional receive antennas will be installed on the ceiling in each testing location. The test lab is located within an office building solely-occupied by Sensus employees. The repeater system will be energized only when needed to test equipment during working hours, and will be powered off at all other times, including evenings and weekends. Sensus will notify all potentially impacted employees that GPS information may be impacted for periods of time due to this GPS re-radiation system.

All equipment will be operated under the authority of the requested experimental license and will be subject to the supervision and control of Sensus at all times. Sensus will operate the equipment only within the confines of its laboratories, pursuant to authorized technical parameters and applicable conditions.

Given that the purpose of the requested license is to facilitate the testing and evaluation of electronic devices to ensure proper operation, Sensus respectfully submits that Commission approval of this request will serve the public interest, convenience and necessity. Favorable action on this request is therefore warranted.

¹ 47 C.F.R. § 5.54(a)(1).