GuRu Wireless, Inc.

Supplemental Statement

STA File Number 0866-EX-CN-2019

Explanation of Experiment:

Auspion, Inc. has recently been renamed as GuRu Wireless Inc. and this application follows previous ones obtained from FCC under the name Auspion. The purpose of this experiment is the same as our previous applications: File Numbers 1814-EX-ST-2017, 1375-EX-ST-2018, and 0205-EX-ST-2019. We seek to develop wireless power transmission at a distance and demonstrate that it is both safe and effective with our proprietary technology

Locations

Most of the testing will be at Auspion's laboratory location at 65 N Raymond Ave, Ste 300, Pasadena CA. We expect occasional brief demonstrations at the Venetian Hotel, Las Vegas, NV and at FCC Headquarters. We are asking for permission to demonstrate anywhere in California. We coordinated this California use with DoD for previous licenses and agreed that we could use only certain counties without case by case coordination, but all other counties needed detailed coordination before they could be used. This was acceptable to us and we would be glad to do the same with the new license if granted.

All these tests will be indoors and care will be taken to avoid main beam energy passing through windows or open doors to outside areas without wall attenuation. Most emissions will be downward pointing.

RF Safety

Applicant is aware that the erp/eirp in this application can exceed FCC exposure standards at short distances. Equipment being tested has been specifically designed to prevent this through the use of interlocks that reduce power to safe levels if a human or pet enters the high power flux density area. All experiments and demonstrations will involve direct involvement of highly qualified staffers of the applicant who will continually assure that these exposure standards are not violated.

Bandwidth

These tests will use an unmodulated N0N signal that feeds an multielement antenna that focuses the power on the equipment that is receiving the power. In theory, such a signal should have zero bandwidth. Present models have a few MHz of bandwidth due to both phase noise in the signal source and intermittent changes in phase shifting at the antenna elements which affects the transmitted signal as if it is a intermittent random phase modulation. One goal of these experiments is to quantify the actual bandwidth and to reduce it as much as possible through design techniques.

Antennas

All tests will involve antennas with 37 dBi gain and beamwidths less than 10 degrees.

Conditions

Auspion expects a license condition requiring coordination with all cochannel users and agrees to do so.

STOP BUZZER contact: Dr. Florian Bohn, VP of Engineering, (805) 252-6693, florian@guru.inc