

Attachment to submission ref STA File # 0310-EX-ST-2002 [Reference Number: 2198]

This request relates to the demonstration of our SiroPulse II GPR unit at the ASIS 2002 Security exhibition in Philadelphia for the period September 10 - 12.

CSIRO, the Australian Government Scientific Research Organisation, has been developing GPR systems for a range of applications for approximately the last decade. One of our recent products, SiroPulse II, is a high-resolution system designed to locate small objects buried close to the surface of walls, floors etc. This unit conflicts with the requirements of the recent FCC regulations relating to UWB devices.

We are currently working on modifications that will enable SiroPulse to comply with the regulations, however, these changes have not yet reached the product stage. Since the proposed new product is expected to have similar performance characteristics to the existing system, we believe exhibiting SiroPulse II at ASIS 2002 will demonstrate the capabilities of the system to potential users, thus enabling us to gauge future demand for our product. In addition, ASIS 2002 is the largest international security exhibition in the world and is likely to attract a significant number of non-US attendees - potential purchasers of our existing system.

The system has emissions in the broad range 100 MHz – 4 GHz as indicated in the submission.

The system is pulsed with peak pulse powers less than 500 mW. The maximum pulse repetition rate is 1 MHz leading to a maximum radiated average power of less than 500 microwatts.