

The purpose of the test will be to verify functionality of an Open Source GSM network design in an outdoor test range under load of up to 1,000 test users. For one week, users will send and receive text messages and place voice-calls to various services and other users while the system is under observation. System will consist of several Base Stations to provide experimental service to test users. Test users will be notified that the system is experimental, and access will be limited to SIM cards provided to test users. Test will occur for the duration and in the location of the Toorcamp Conference (08/06/2012-08/12/2012). The conference provides an ideal source of informed test users for this test.

Equipment is Commercial PicoCells (FCC ID: PEI-INSITE-1900), with the Test Users using standard quad-band GSM consumer devices. The PicoCells will be located below the surrounding tree-line and structures in the test site to help stress the system in a poor RF environment and limiting the system to line-of-sight operation.