**System Test Case Specification**

* 1. **Test Case Specification Identifier**

TCS-01-02 2014-05-22

* 1. **Test Items**

PlasmaGraph feature “Import Data” and “Create Graph” **[see *SRS-3-2014-05-15 section 2.2.1.1 and 2.2.1.4*]**. This test will focus specifically in the product’s ability to import large files and create graphs in a specific limit of time.

* 1. **Input Specifications**

1. One (1) data file formatted as a binary MATLAB Level 5 MAT-File **[see *SRS-3-2014-05-15 section 2.2.1.1*]**. The file size is of 60,000KB.
2. One (1) column for the X axis. The variable selected must be Temperature2eV.
3. One (1) column for the Y axis. The variable selected must be PlasmaPotential2V.
   1. **Output Specifications**
4. The system must produce a graph like this:
   1. **Environmental Needs**
   2. **Hardware**

A personal computer with the following minimal specifications is required to execute this case:

* 15’’ Monitor with a resolution of 1200x700 and refresh rate of 30Hz
* A standard alphanumeric American (QWERTY) keyboard
* Two 3.20Ghz microprocessors
* 500Mb of available HDD
* 512Mb of RAM
* One (1) USB 2.0 port
  1. **Software**

PlasmaGraph must be installed in the tester’s computer in order to perform this test case.

* 1. **Special Procedural Requirements**

This case must be executed in three (3) different operative systems as stated in the documentation STD-2-2014-05-15 these operative systems are:

1. Windows 7
2. Ubuntu Linux 14
3. Mac OS X 10