MultiFrame MFG Tool - User Guide

Version: develop\_R1 version

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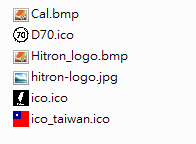
**Root folder structure**



**Definition**

\*Images

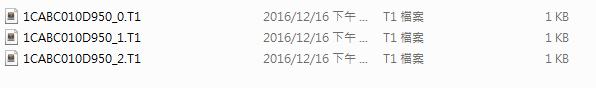
The figuration ex: ico, bmp, called by GUI



\*Log

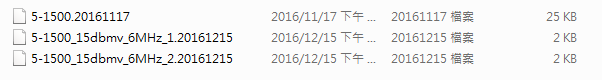
All of test results would be saved here by the model name, date, mac.





\*Station.Cal

The noise source power table of each path would be saved here



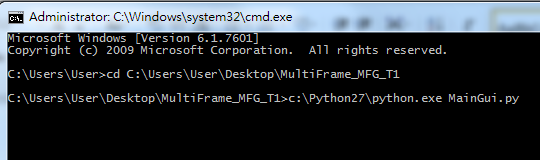
\*testlibs

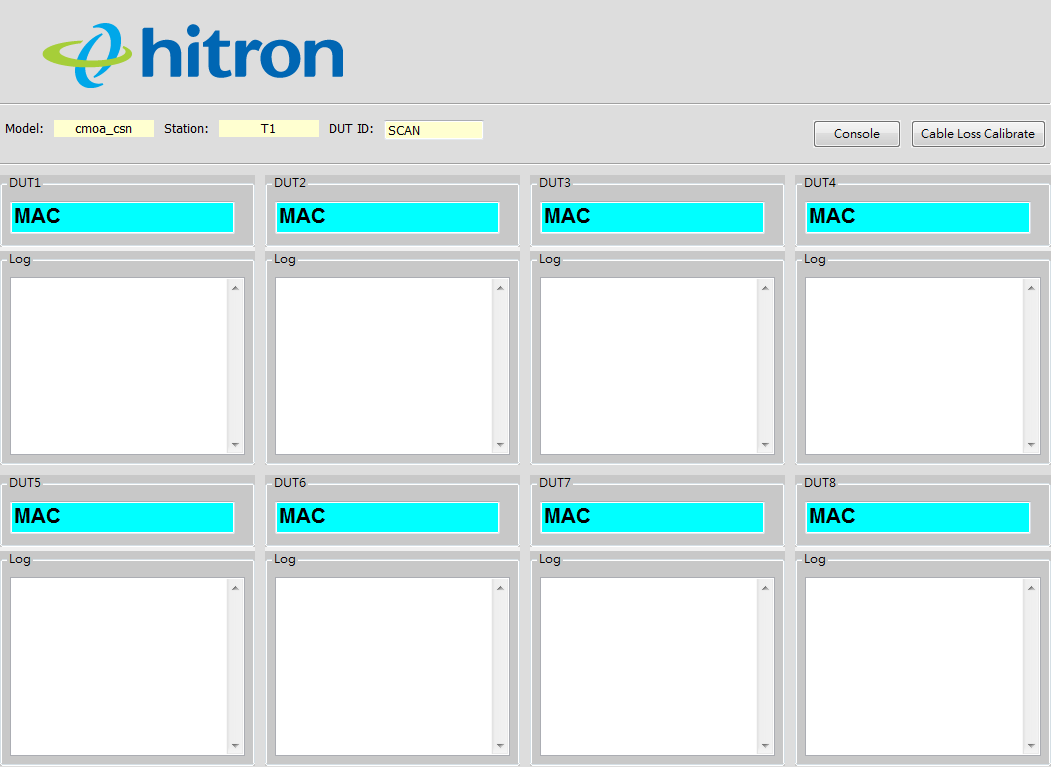
Library of modules



\*MainGui.py / MainGui.pyc

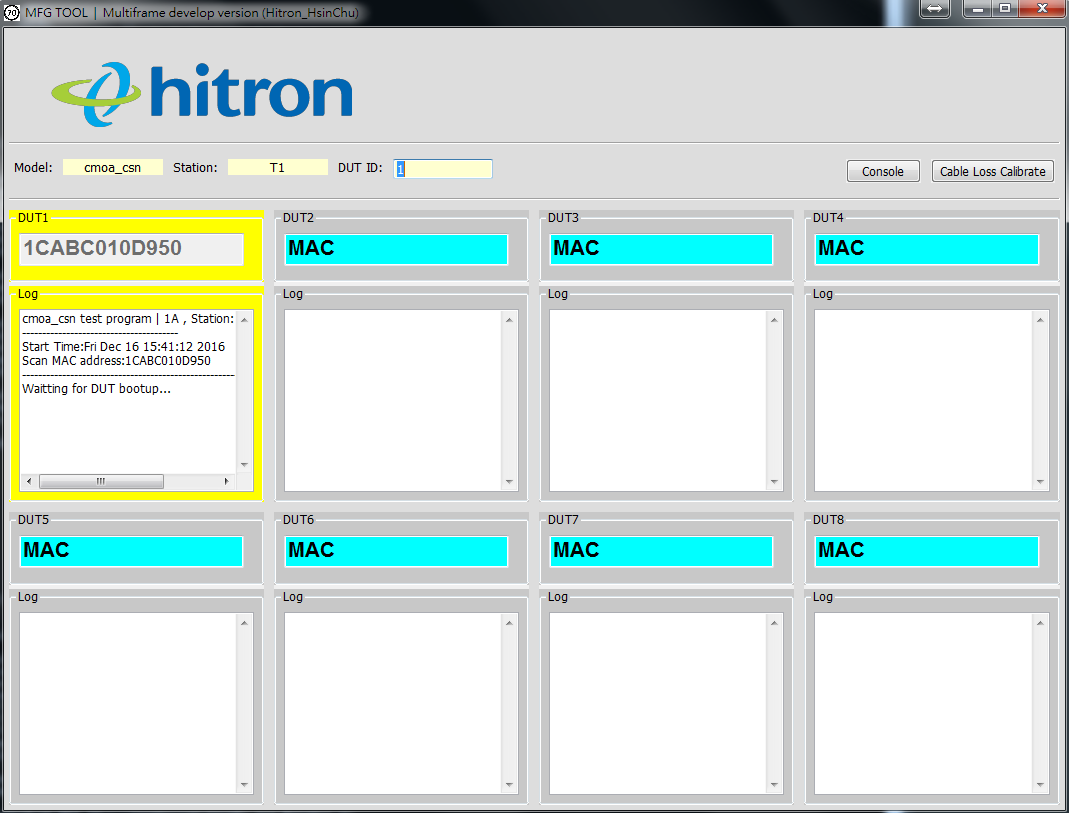
Main code to open the GUI, it’s complied by python.exe





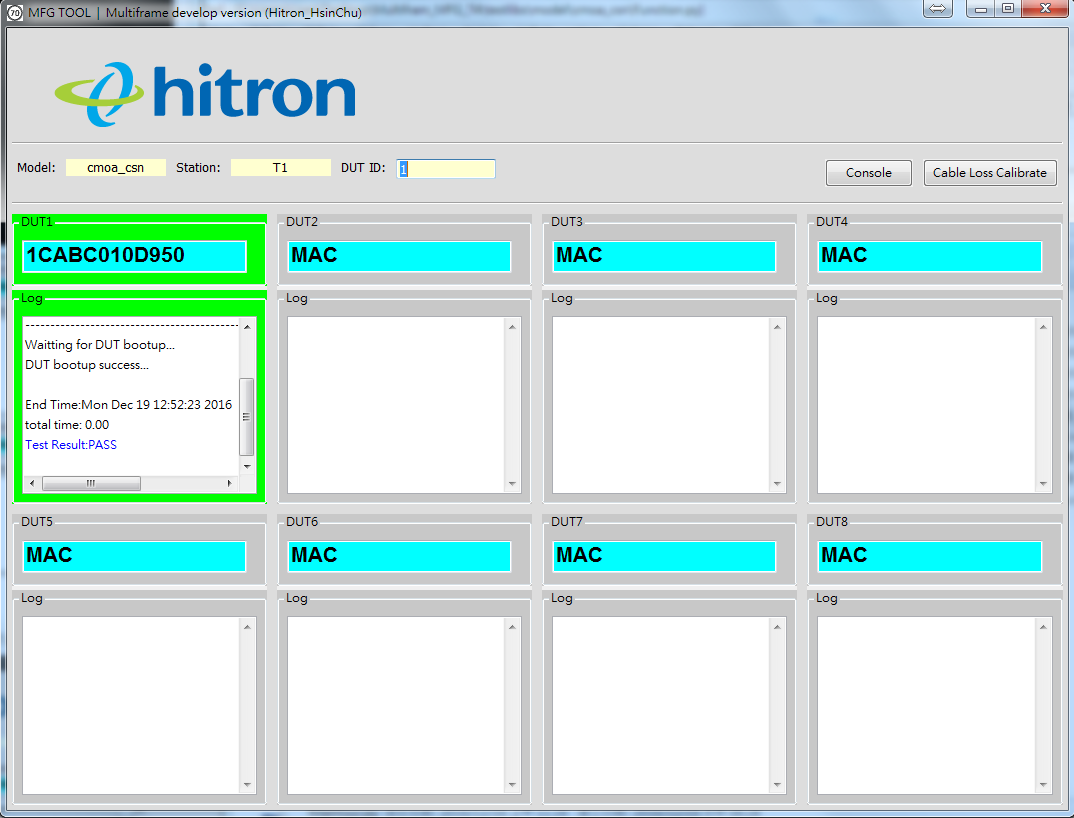
Running:

The background of DUT id would be “YELLOW”

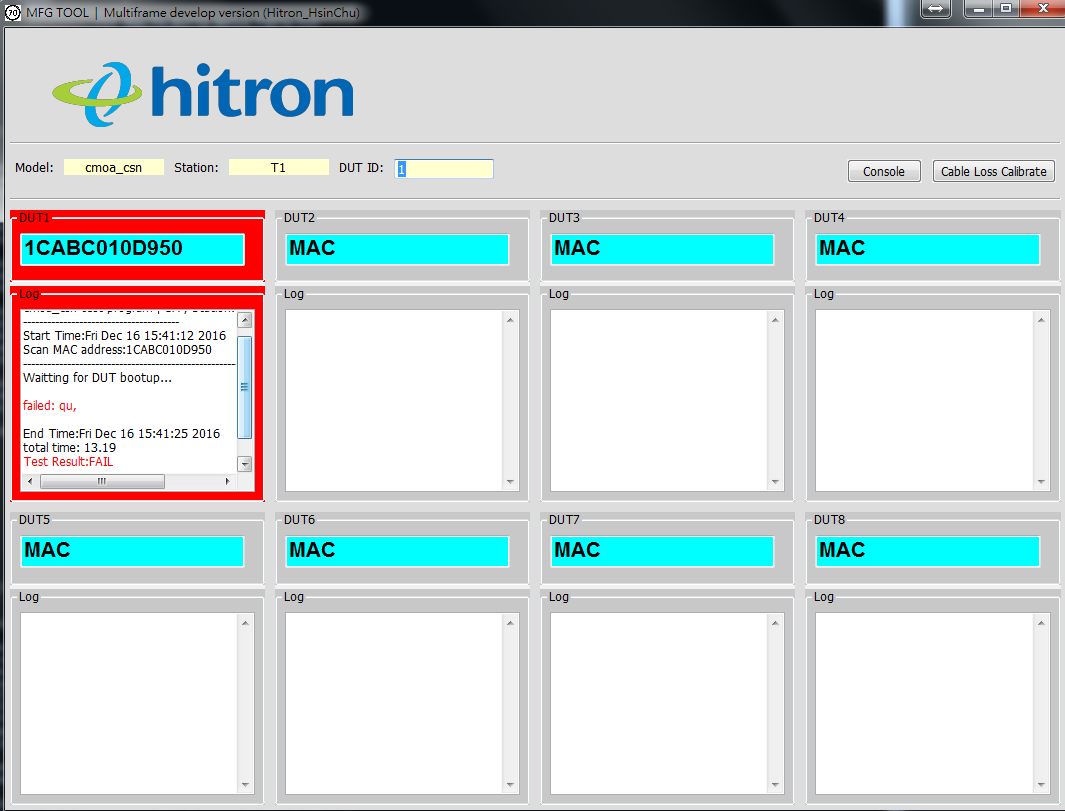


Result:

PASS – The background of DUT id would be “GREEN”

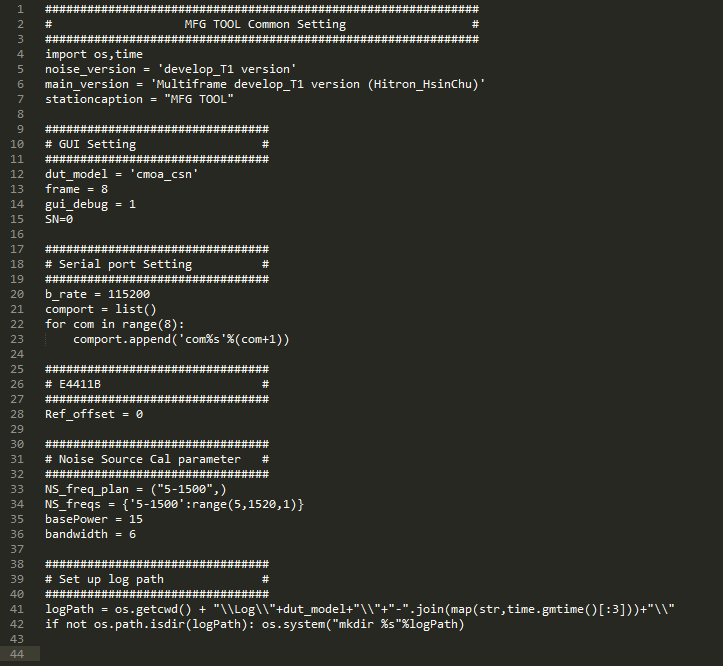


FAIL – The background of DUT id would be “RED”



\*system.ini

The configuration of GUI interface.



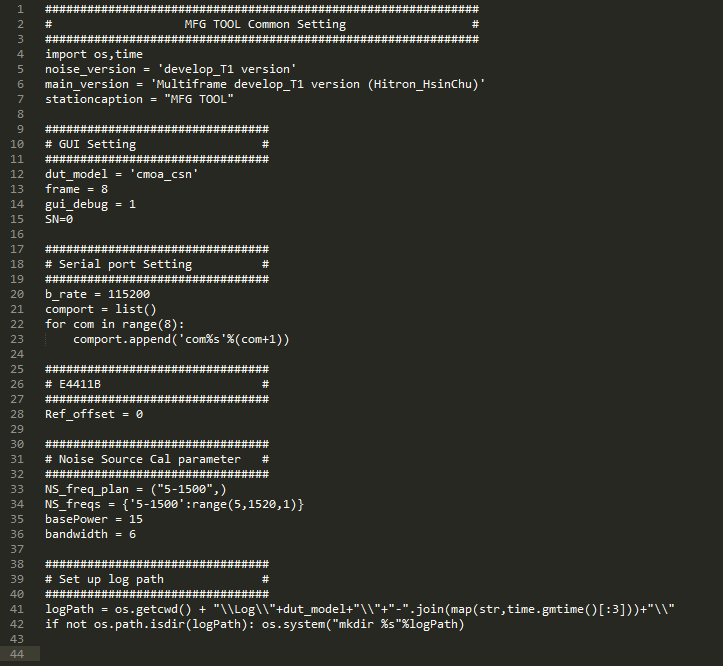
\*tftp.ini

The configuration of tftp daemon

**Setup GUI**

User can configure the GUI interface via system.ini, it can be edited by your editor apps.

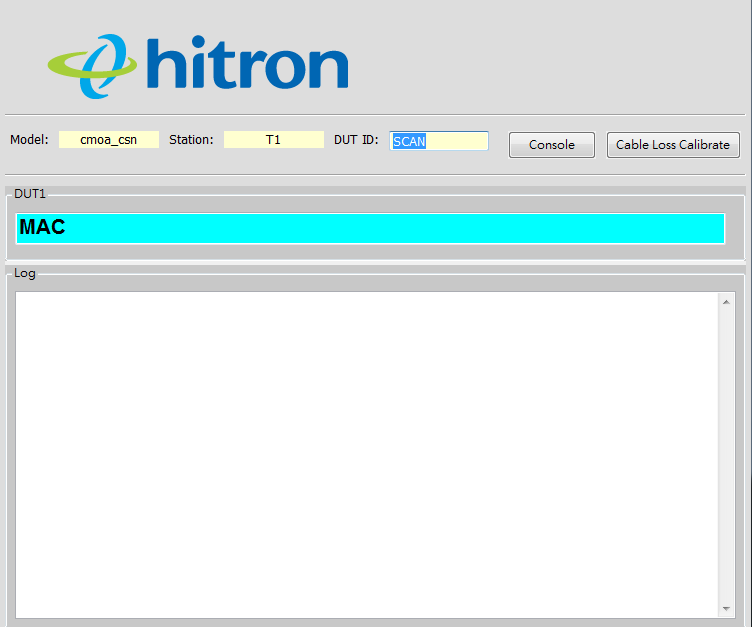




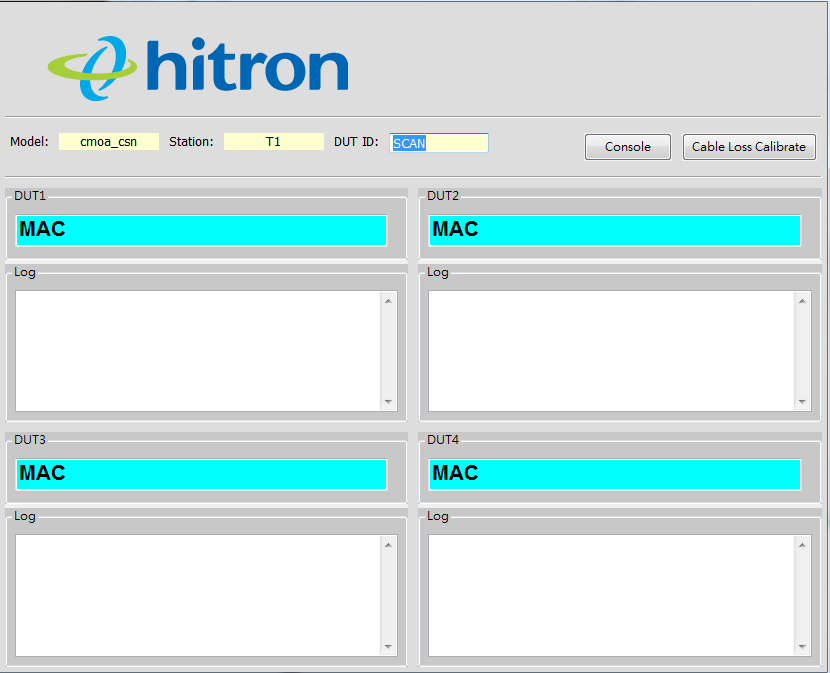
line 12. dut\_model – functions called where referenced from /testlibs/model/<project name>

line 13. frame – defines the numbers of testing frame. (default settings is “8”)

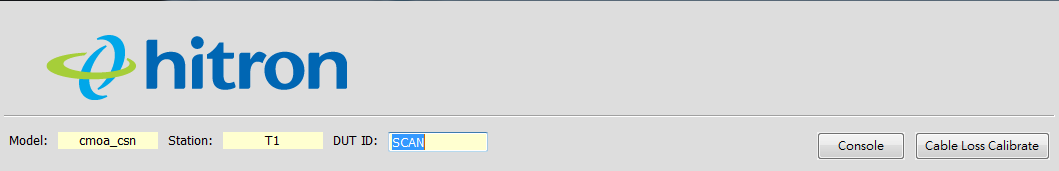
Example: frame = 1

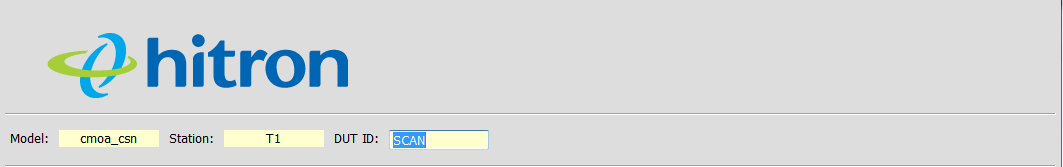


Frame = 4

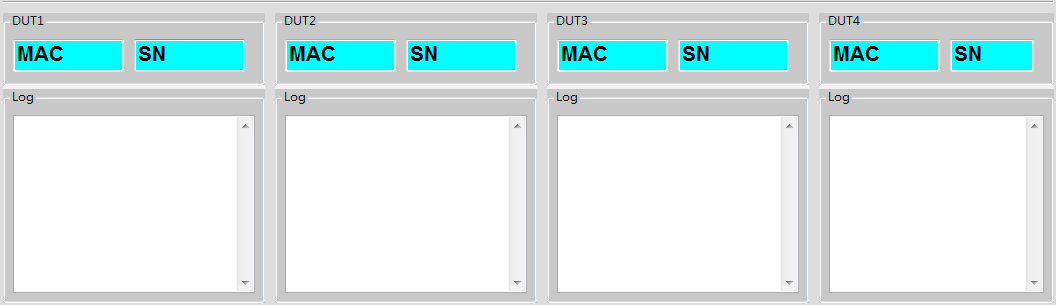


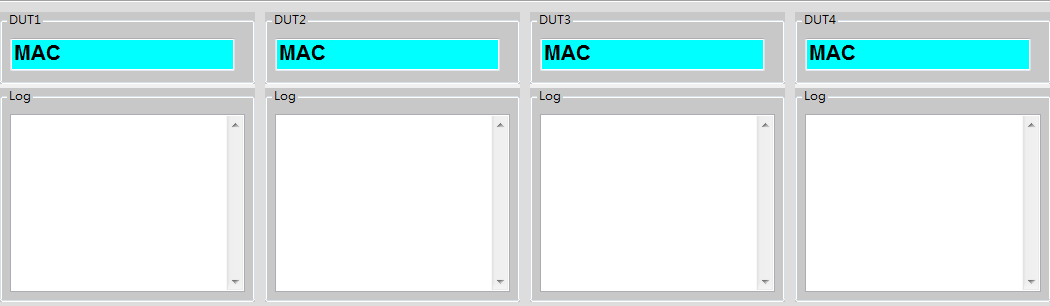
line 14 gui\_debug – show(1)/hide(0) the terminal tool and Calibration tool.





line 15 SN – show(1)/hide(0) the SN label.



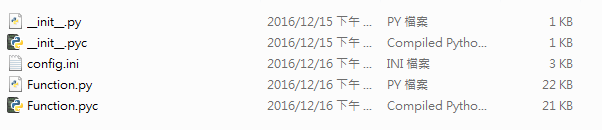


line 20-23 serial port – set up baud rate and com port. The element of com port should be organized as list type.

**Main function script**

The test scripts placed at /testlibs/model/<Project Name>



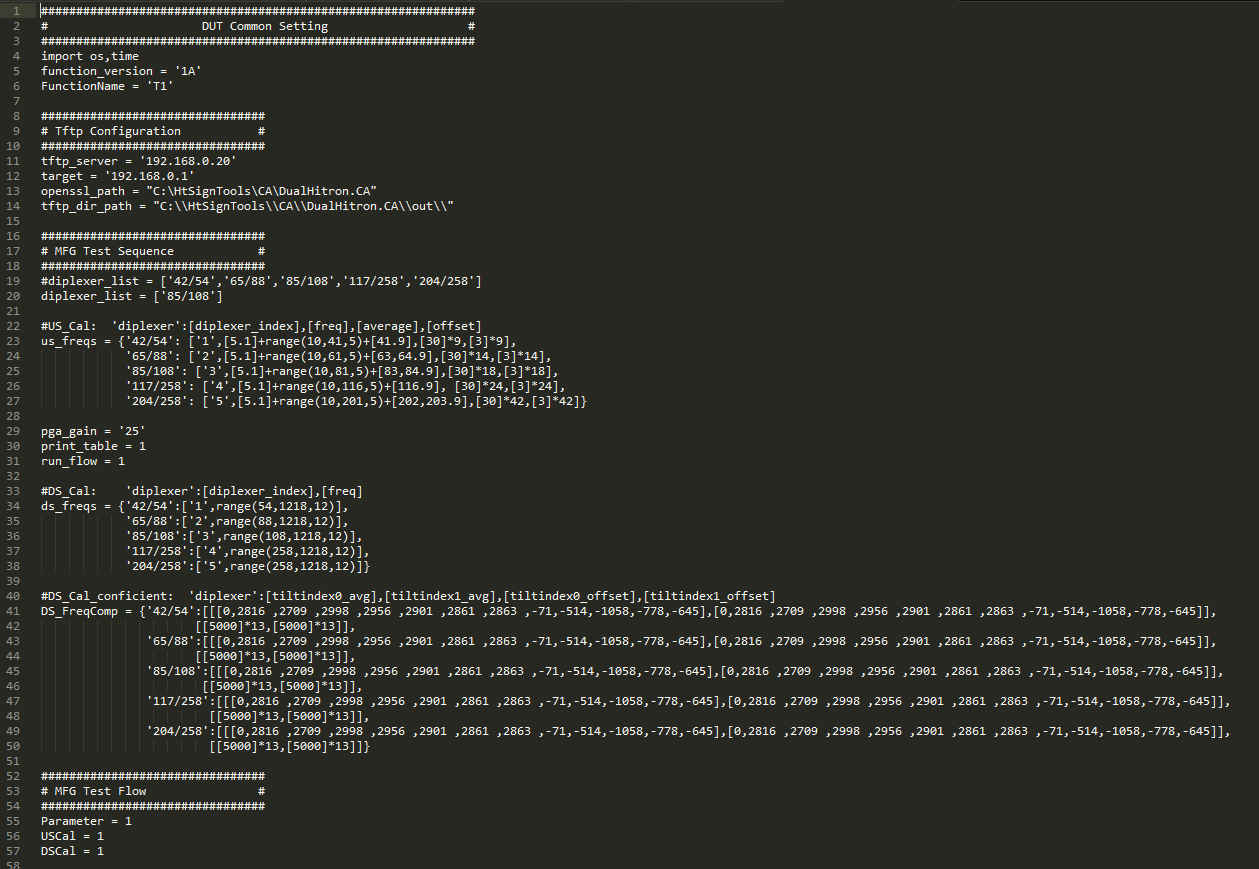


\*Function.py

Scripts referenced by Main GUI.

\*config.ini

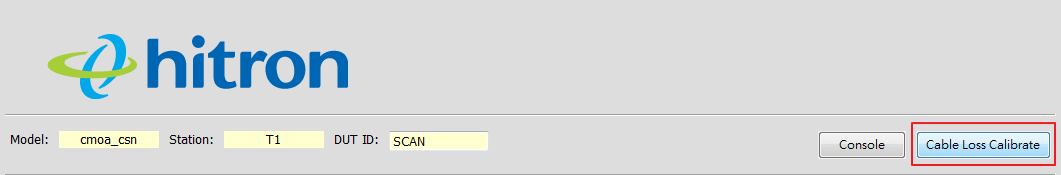
Global val. referenced by Function.py

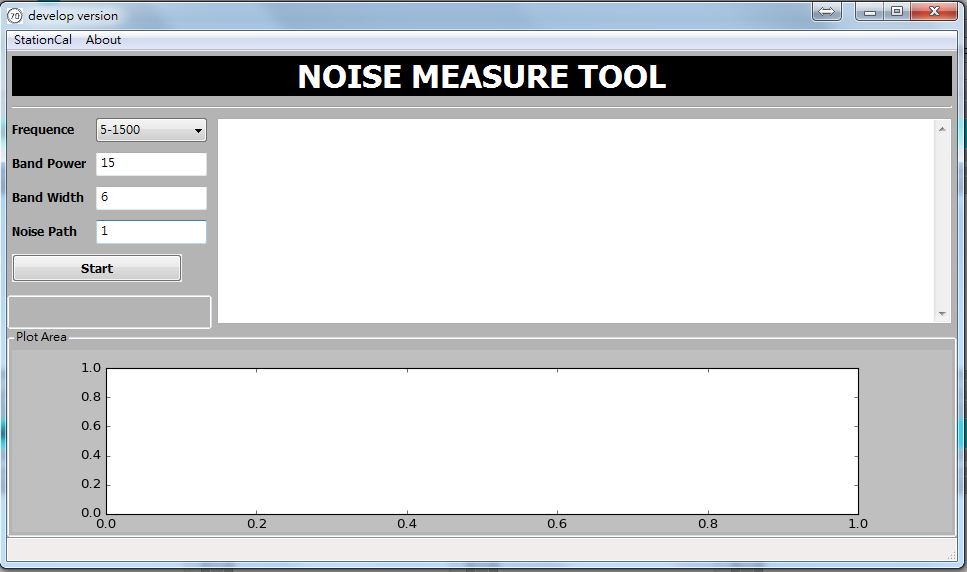


**Noise Measure Tool**

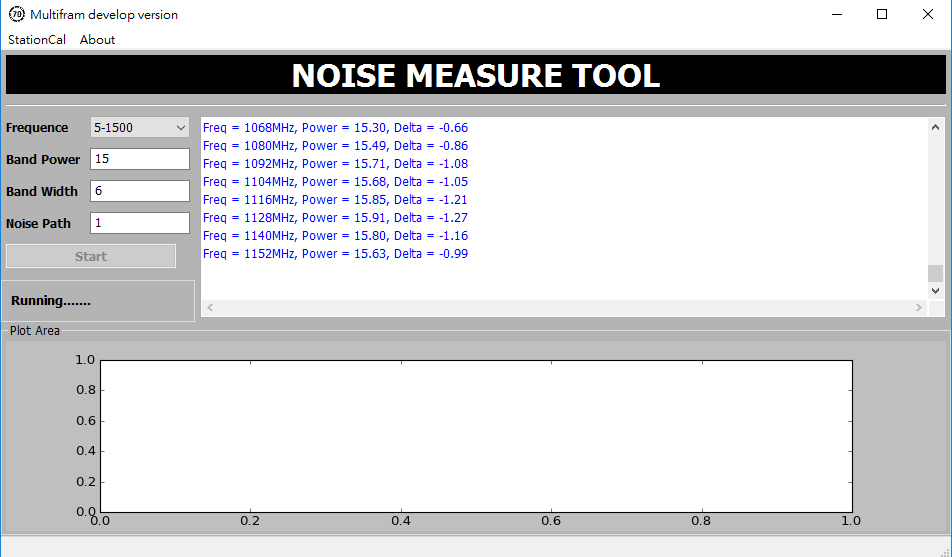
Before calibrating tuner, it must to calibrate a noise power table per each path for DS calibration algorithm referenced. The noise power table would be saved at /station.cal

The naming rule of file is <frequency\_NoisePower\_BandWidth\_Path.date>



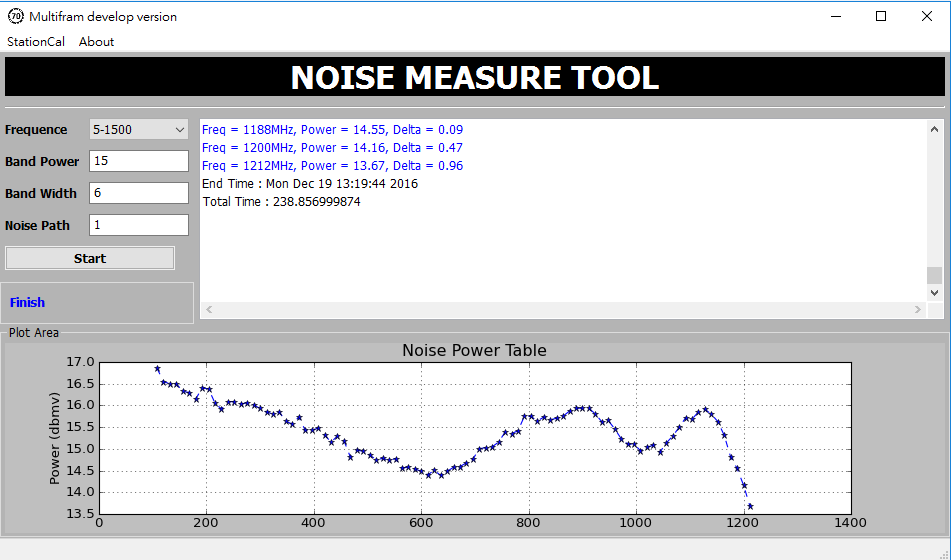


Running:



Finish:

The NS calibration log would be saved at /Log/NSCal



More of the calibration info please refers to the “About” on the toolbar of this tool.

