Updates of NS Testing

1. Option to choose between ‘Highest Peak’ and ‘Wideband’ data values when determining the peak location to be used for zoom scans.

* Added a radio button named Measurement in the Measurement Specifications section. Before each scan, choose the measurement and it will return the corresponding data values after scan.
* Code
  + In xy\_positioner\_gui.py, updated the MainFrame initialization
  + In Narda\_navigator.py, updated getMaxValue function to extract highest peak or WideBand from the result file

1. Retain configuration from latest instance of NS software.

* The current configuration will be saved to a txt file named pre\_config.txt after the user press run. So when the user open the program, it will automatically load the configuration from the pre\_config.txt. If this file doesn’t exist, user need to manually input the configuration and then hit run to save the configuration to the pre\_config.txt file.
* Code
  + In xy\_positioner\_gui.py, added save\_configuration and load\_configuration function

1. Generate a log of events and configuration used for each scan.

* How to run
* Format: YYYYmmdd\_hhmm\_model\_testNum
* Code
  + Added logger.py

1. Ability to set a starting point for scans.
2. Option to only run a zoom scan.
3. Fix issue where frequency range is not properly configured due to previous instance of Narda program.

7.