

Calibration Due date

PIM Master

Anritsu does not store a Calibration Due date electronically inside the PIM Master instrument. The Calibration Due date is calculated by the customer based on the recommended calibration interval and the actual date that the product was put into service. This enables a customer that purchases equipment through distribution to enjoy the full calibration interval rather than losing the time that the product was on the shelf before being sold. Per the instructions at the bottom of Anritsu's Certificate of Calibration, the customer should calculate the appropriate Calibration Due date, record the values on both the Certificate of Calibration and the calibration label, and affix the calibration label to the unit. Ongoing maintenance and calibration of the equipment should be in accordance with the customer's quality policy.

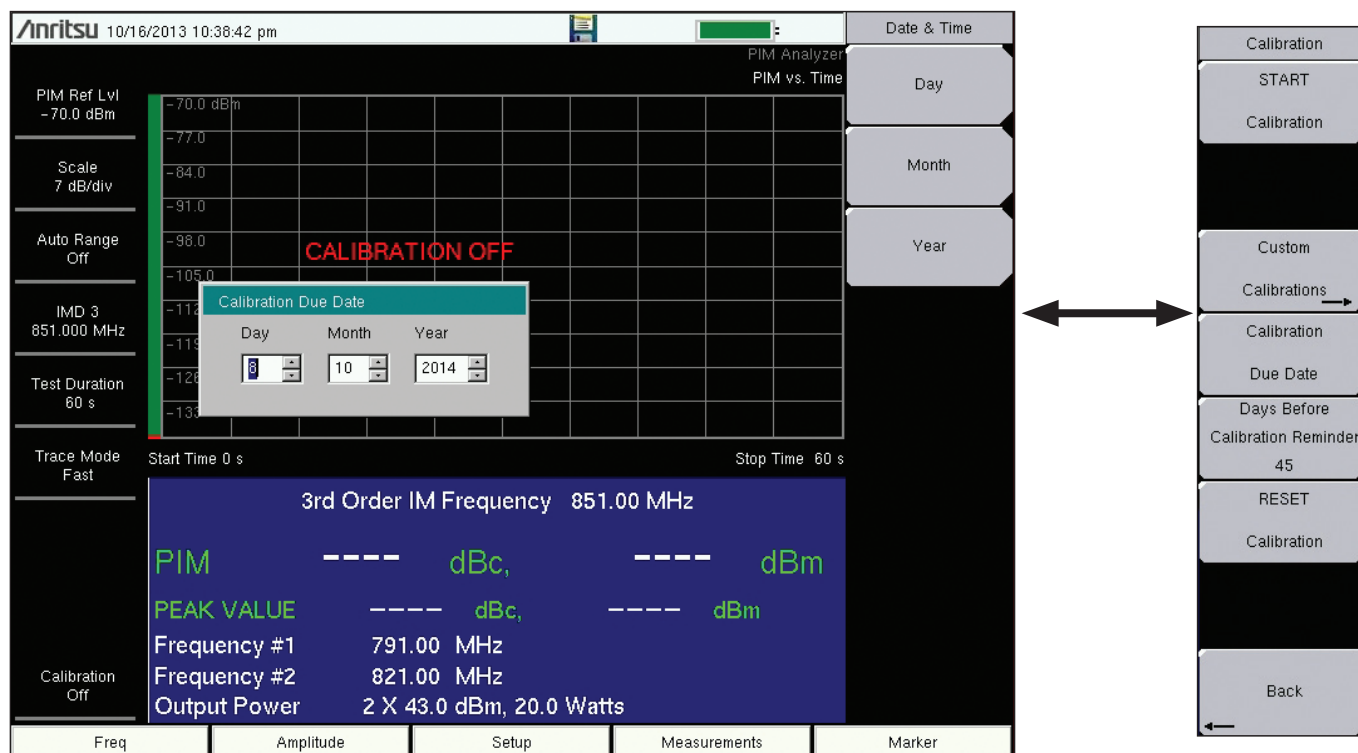


Anritsu recommends a calibration interval of 12 months for its PIM Master instruments. The customer may extend or may need to shorten the calibration interval based on the actual use profile. PIM test equipment must be checked each day before use to verify proper performance. Verification tests include measuring the residual PIM of the instrument and measuring a known PIM standard to make sure that results are within ± 3 dB of the expected value. (Reference: [PIM Master Equipment Verification Process 11410-00726](#))

Verification measurements should be recorded in an equipment log and monitored over time to watch for deterioration in performance. If the performance is not within the specification limits, contact Anritsu immediately to arrange service.

Calibration Due date management

A new feature has been added to the PIM Master firmware to assist customers in monitoring the calibration status of their instrument. Upon first use, a menu will appear prompting the user to enter the Calibration Due date. Enter the day, month and year shown on the calibration label.

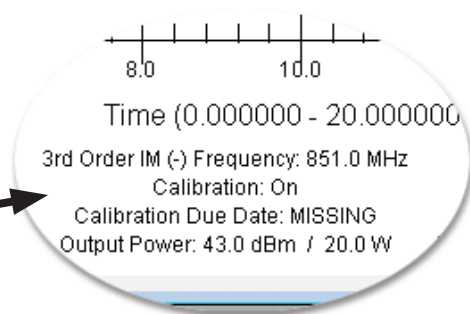
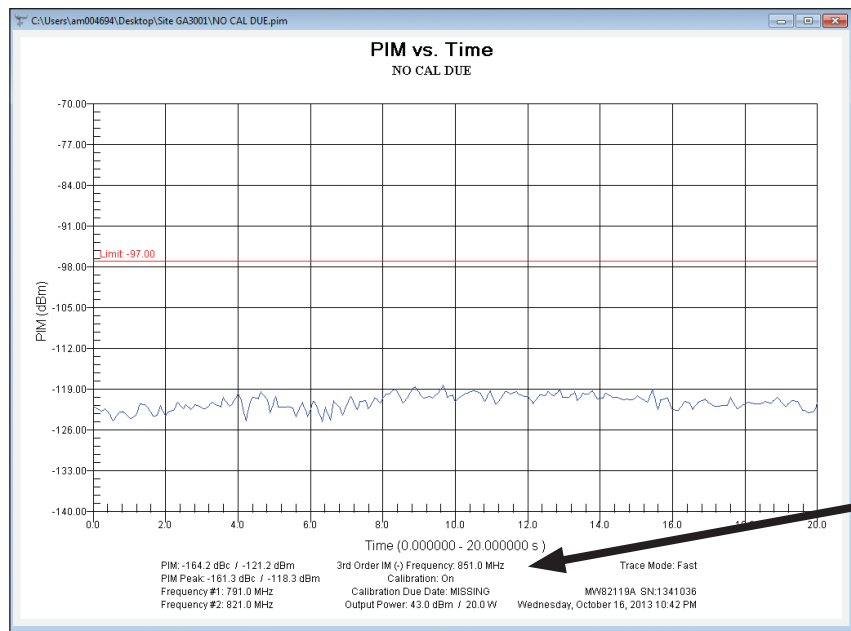


During each equipment start-up, the PIM Master will compare the current date to the Calibration Due date that has been entered. When the current date is within 45 days of the Calibration Due date, a reminder will appear on the screen informing the operator the number of days remaining before calibration is due. The notification period can be adjusted up or down by the user by pressing SHIFT – Cal on the keypad and selecting the Days Before Calibration Reminder submenu key.

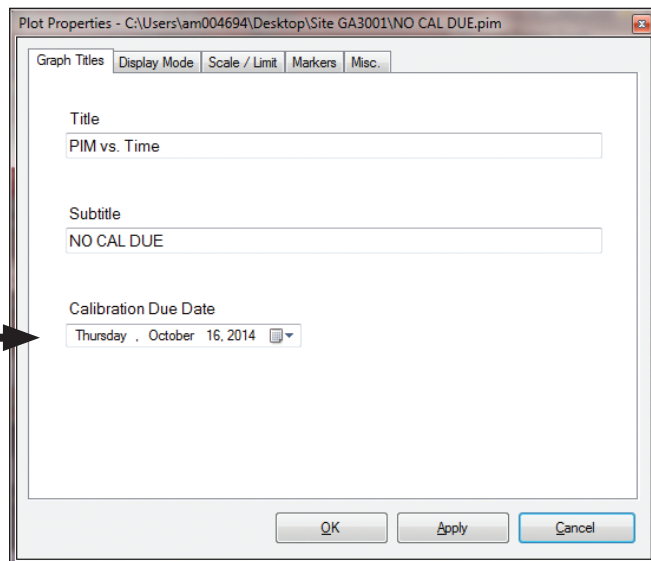
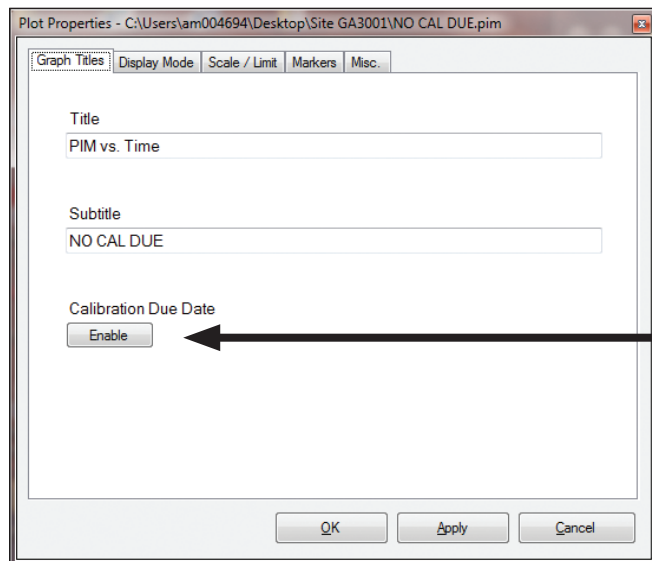
After the equipment has been re-calibrated, enter the new Calibration Due date shown on the new calibration label. The new Calibration Due date can be entered by pressing SHIFT-Cal on the keypad and selecting the Calibration Due Date submenu key.

Measurement Files

The Calibration Due date is one of many variables that is automatically stored with each measurement file. Other variables that are stored with measurements include model number, serial number, frequency settings, power settings, GPS coordinates, date, time, etc. When a measurement file is opened in Anritsu's Line Sweep Tools (LST), these variables are automatically displayed at the bottom of the each plot. These variables are also passed to the PIM test report when a tabular style report is selected.



If an older PIM measurement file is opened in LST that was recorded prior to the inclusion of the Calibration Due date, the word "MISSING" will appear where the Calibration Due date should be. Files that are missing a Calibration Due date can be edited in LST to add the missing date. Go to Edit > Plot Properties > Graph Titles in LST and select the Enable button. A field will then appear to allow the correct date to be entered. If a measurement file already includes a Calibration Due date, the stored Calibration Due date cannot be edited in LST.





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