

Software Release Notes

CMTVNA

Version 1.5.0

- Added basic functionalities of ACM calibration, with no SCPI commands
- Added right-click menu for channels
- Added capability of changing channel label/name
- Added support for VTRM VNAs whose start frequency is 20MHz
- Added libicu into the software, eliminating the need to install libicu separately on Linux systems
- Fixed typo for “External Trigger” – “Position” – “before sampling”
- Fixed a bug where software crashes when calibration is applied, on Linux x86_64 systems
- Fixed a bug with stimulus set to segmented sweep
- Fixed a bug with CW sweep mode
- Fixed a bug with Save/Recall when “Image” format is selected

Version 1.4.0

- Added support for VTRM0602, with attenuation control under “Channel”
- Added right-click menu for traces
- Added --model-name option string for command line, for setting a default VNA model
- Added --serial-number option string for command line
- Added --simulate option string for command line, for setting the software in simulation mode
- Added “Delete All” button for deleting quick-save states, under “Save/Recall” – “User States”
- Added “Data to Memory All” button in the right-click menu for diagrams
- Rearranged how statistics list shows up in diagram
- Added a space between number and unit in the IFBW setting pop-up window
- Added Reference marker indication in the active marker combo box and in the diagrams
- Added SCPI command “SENSe:PORT:ATTenuation” for setting receiver attenuation
- Added SCPI command “SYSTem:CAPability:ATTenuation?” for checking device’s attenuation control capability
- Fixed a bug where software sometimes crashes during measuring calibration step
- Fixed a bug where software crashes while configuring Start and Stop frequencies when Reference Marker is Enabled
- Fixed a bug where software crashes in Smith Chart with Reference Marker is enabled
- Fixed empty Checkbox in Calibration Set Window
- Fixed incorrect Marker Value in Statistics if marker is a Reference Marker

Version 1.3.0

- Now when program exits, the program window’s size and position is saved
- Added channel, diagram and trace maximization capability
- Added “Active Only” property for markers
- Added marker alignment feature

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- Added right-click menu for markers
- Added right-click menu for Trace Manager
- Added right-click menu for diagrams
- Added calibration to the quick-access bar located above the diagrams
- Fixed button area of the “Show Only Favorites” button in “Edit Kits” menu
- Now when a marker is enabled, it will be coupled on all traces by default
- Switching between channels in cal set setup now does not change the active channel
- Fixed a bug when saving data in a report
- Fixed a bug with the shortcut’s name under the /cmtvna/bin folder
- Fixed a bug with “Show Only Favorites” toggle button’s position
- Fixed a bug where when “CALC:PAR:DEF” command is sent when VNA has a marker in tracking mode, the marker stops tracking but menu still shows tracking “on”
- Fixed bugs with Flatness calculation and RF Filter Statistics
- Fixed a bug where after loading certain states, plot has no grid
- Added SCPI command “DISP:WIND:ANN:MARK:SING”

Version 1.2.2

- Fixed bug with Report button under Save/Recall
- Fixed bug with saving static trace

Version 1.2.1

- Added demo mode for R and VTR series
- Added USB driver and vc_redist auto-installation in the installer
- Added capability for saving states in the quick-access slots into file
- Added SCPI Commands:
CALC:ALLT:DATA:SDAT?
CALC:ALLT:DATA:FDAT?
DISP:SHOW
DISP:HIDE
DISP:ENAB
SENS:CORR:COLL:SUBC
SYST:TIME?
SYST:RWL
SYST:REM
SYST:LOC
- Fixed error reporting when automating calibration. Now error will be reported if not all required measurements are taken before applying calibration
- Fixed USB connection issue with SN09xx VNAs

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- Fixed USB connection issue with R180 and RP180
- Fixed acronym for one-path calibrations. Now is back to [OP]
- Fixed default system impedance for RP5 and RP10
- Fixed bug with toggling between “show only favorites” in calibration kit menu
- Fixed bug with deleting connector type in calibration kit menu

Version 1.2.0

- Added support for VTRM0x02 VNAs
- Added search range setting for peak limit tests and peak limit test SCPI command is modified for it
- Added marker coupling
- Added SCPI command CALC:DATA:XAX?
- Added SCPI command DISP:WIND:TRAC:Y:RLEV:AUTO
- Added SCPI command *RST

Version 1.1.0

- First release