Planar 304/804/S5048/S7530 Network Analyzers Software Release Notes

Version	Date	Description
3.36	04.10.2013	Fixed bugs. Changed COM server registration method. Now COM server is registered during the software installation procedure or by using the keyword /REGSERVER. Added the automatic USB driver installation in the software installation procedure.
3.35	16.09.2013	Fixed bug with the AutoCal confidence check function in one port scenario.
3.34	15.08.2013	Added new COM commands: SCPI.CALCulate(Ch).SELected.MARKer.MATH.FLATness.DATA SCPI.CALCulate(Ch).SELected.MARKer.MATH.FLATness.STATe SCPI.CALCulate(Ch).SELected.MARKer.MATH.FLATness.DOMain.STARt SCPI.CALCulate(Ch).SELected.MARKer.MATH.FLATness.DOMain.STOP
3.33	31.05.2013	Added new function "Band Limit". The Function checks the frequency of a minimum (case of Notch) or maximum (case of Peak) on the trace fall into the specified frequency band.
3.32	24.05.2013	Fixed bug with the segment table recalling. Error description: if some segment except first one exists of 1 point, next segment recalls invalid start frequency value.
3.31	03.05.2013	• Fixed bug in the COM command SCPI.CALCulate(Ch).SELected.SMOothing.APERture. Error description: Keyword APERture has invalid form as APPERture . • Added new COM command to remote load Touchstone file to the memory trace: SCPI.MMEMory.LOAD.SNP.TRACe(Tr).MEMory = File • Added new COM command to remote load Touchstone file to the S-parameters: SCPI.MMEMory.LOAD.SNP.DATA = File • Added new COM/DCOM application object names "S5048.Application", "S7530.Application". COM/DCOM application object may be created using these names as well as "Obzor304.Application" and "Obzor804.Application".
3.30	10.04.2013	Fixed the access violation error in the AutoCal procedure. Error was introduced in the previous version of program.
3.29	04.03.2013	• Next update relate to the Planar 304 and 804 NA only. Start frequency changed to 100 kHz. The factory calibration of the instruments produced after march 2013 starts from 100 kHz. The factory calibration of the instruments produced before march 2013 starts from 300 kHz. The power level accuracy of the instruments produced before march 2013 is out of specification from 100 kHz to 300 kHz (typical error is not greater than 3 dB). If needed the instrument may be recalibrated in full frequency range in authorized service center • Next update relate to the Planar 804 NA only. Modified spur reduction algorithm.
3.28	31.01.2013	• Fixed bug in the COM command SCPI.SENSe(Ch).SEGMent.DATA. Error description: Number of Points of first segment always was assigned 1, irrespective of actual parameter. • Fixed bug in the COM command SCPI.SENSe(Ch).FREQuency.DATA when the sweep type is SEGMent. Error description: Abnormal program termination. • Enhanced COM remote control compatibility with MATLAB. Problem description: arguments passed from MATLAB to COM server as a one-dimensional array are converted to two-dimensional arrays when passed. Problem solved. • Updated Operating and Programming Manuals

3.27	29.12.2012	The COM command SCPI.CALCulate(Ch).SELected.LIMit.DATA now supports Single Point Limit function.
3.26	08.11.2012	• Corrected definition of Maury 8050A/Y, 8050B, 8850P/Q, 8860A calibration kits. • Fixed bug with printing via menu system > print > print embedded (blank image sometimes). • Installation and driver pack test on Windows 8 64-bit and 32 bit is Ok.
3.25	17.09.2012	Added Maury calibration kits definition: 8050A/Y, 8050B, 8850P/Q, 8860A.
3.24	11.08.2012	Corrected limit test issue when frequency span is zero or small enough.
3.22	04.04.2012	• Number of points increased to 500001 for 8 GHz version, and to 200001 for 3.2 GHz version. • Added new COM/DCOM application object names "Planar304.Application", "Planar804.Application". COM/DCOM application object may be created using these names as well as "Obzor304.Application" and "Obzor804.Application".
3.21	27.11.2011	Added new *Multiline* TRL option in 2-Port TRL Calibration menu.
3.20	27.10.2011	Added AutoCal remote control command set. All undocumented yet commands has been added to Programming manuals.
3.19	01.09.2011	Fixed bug with external reference source switching. Bug was only in software versions 3.17, 3.18.
3.18	01.09.2011	Load Touchstone File Data feature added.
3.17	01.09.2011	Several small bugs fixed
3.16	26.05.2011	Extended the application of Port Extension feature to Frequency Offset Mode.
3.15	26.05.2011	Fixed Access Violation Error.
3.14	29.04.2011	• The Single Point Limit function added. • The Folder History is added. Last opened folder appears by default. • Fixed bug with On Screen Keyboard in Edit Title Label branch. • Fixed bug with scroll in Display > Properties > Font Size > Soft Button branch. • Added Bold Property in the Font Menus. • Fixed bug with load Cal Kits from file. • Discontinued the continuous limit test beep warning feature.
3.13	21.03.2011	Special version for customer who likes continuous beep warning in the limit test.
3.11	11.03.2011	• Calibration kit Agilent 85032F is selected by default. • Executable module renamed to Planar.exe. It applies to 304 and 804 models VNA. Rename it as necessary or leave as is.
3.10	15.02.2011	User interface of "unknown thru" calibration is improved. Definitions of all calibration kits are appended by "unknown thru" standard in order to simplify user choosing between "conventional thru" and "unknown thru" calibration.
3.9	09.02.2011	Performance tests (7.6.7, 7.6.8) frequency setting error. Bug fixed.
3.8	27.01.2011	Receiver noise floor rise on 20 dB when user switches the 10 MHz reference source to external and then back to internal. The problem appears when IFBW > 10 kHz. The problem has been solved by software workaround.

3.6	17.12.2010	• Offset Delay in “unknown thru” definition appears as AUTO when Offset Delay equals to zero • Instrument doesn’t return to LOCAL state if it move to REMOTE state by SCPI command from LAN interface. Bug fixed.