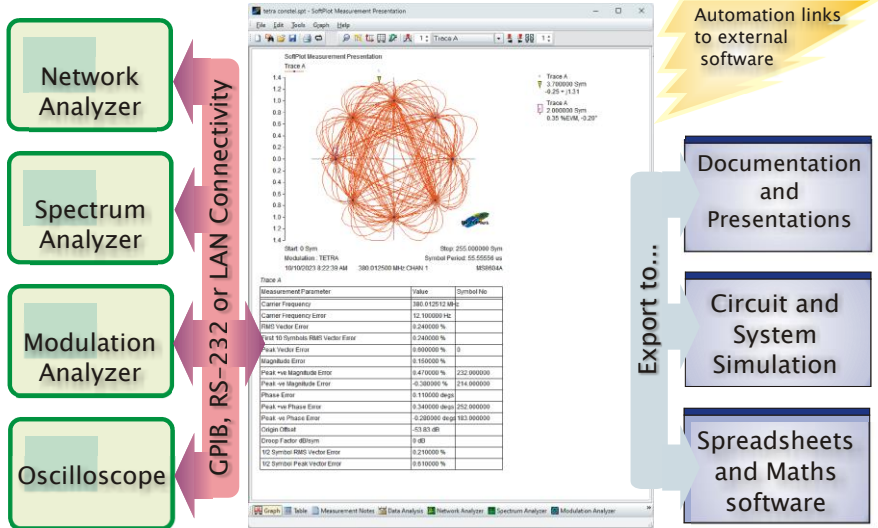
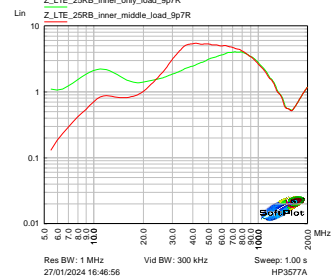




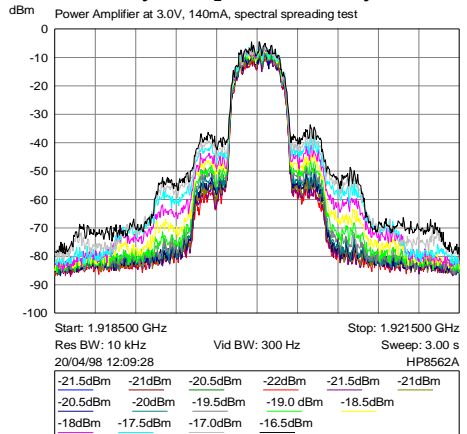
One Software Package to manage all your Instrument Measurements and Test Results



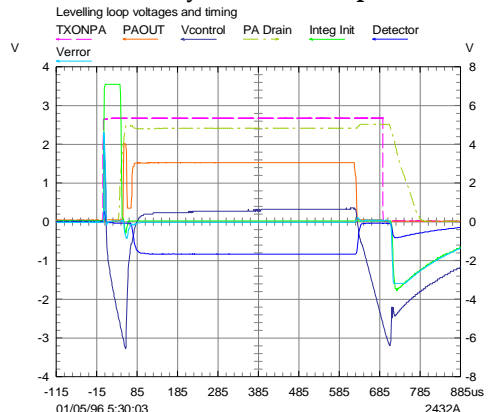
From your Network Analyzer...



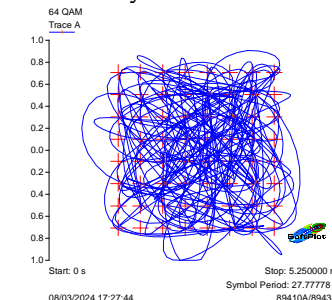
or your Spectrum Analyzer



From your Oscilloscope...



or your Modulation Analyzer



SoftPlot Measurement Presentation software produces professional graphs and data files from test equipment at the click of a button. No programming effort is required. Simply hook up your **Network Analyzer, Spectrum Analyzer, Oscilloscope or Modulation Analyzer** to your PC using GPIB, RS-232 or LAN, and you have instant access to all the trace data you need.

Presentation Quality Graphics

SoftPlot gives you sharp, scaleable, vector - based graphics to paste into your document or presentation. This is because trace data from the instrument is processed into the required display format. Choose from a wide range of graph types, including log and linear cartesian, modulation, antenna, polar and Smith charts. Apply markers and limit lines to clarify the information in your measurement. Enter measurement notes below the graph to document your test set-up, or to record the changes made in a family of traces.

SoftPlot exports graphics as a Windows Metafile or Bitmap (*.WMF, *.BMP, *.JPG, *.TIF, *.PNG), but most important is the ability to embed or link your measurements using OLE (Object Linking and Embedding). This retains access to the original measurement data as well as providing graphics for your document.

Full Support for Industry Standard CAD Software

Bidirectional file exchange is supported for a wide range of circuit and system simulators, including Microwave Office (™ Cadence-AWR) and ADS (™ Keysight). Convert manufacturers' data to match your simulator, as well as creating files from your own measurements. S-Parameter data can be read and written in Touchstone format. Read / write capability is also provided for comma-delimited (CSV) and tab-delimited (TXT and PRN) text files, allowing exchange with spreadsheets, word processors and mathematical tools such as MathCad and MatLab.

Automation Links

SoftPlot has a COM and a DDE server built into it, which means that you can control it from other programming environments to perform automated testing. Examples are provided for Word and Excel macros, VEE, LabView and MatLab.

New in SoftPlot Version 10.0:

Multi-channel display, with up to 16 charts in various grid formats; Trace preview graph on instrument transfer pages; Separate tab for Measurement Notes editor; Right-click on graph to position markers or change trace properties; Bar-graph display format; 64-bit and 32-bit versions available.

Capture your measurements with **SoftPlot** and release their information potential.

Instruments Supported

Instruments Supported	
Network Analyzers	<p>Advantest R3753H, R3764/65/66/67H, R3765/67G series, R3860A, R3770, R3768</p> <p>Anritsu (Wiltron) 360, 371xx/372xx/373xx, MS20XX VNA Master, MS3401A/B, MS462XX, MS4630B, VectorStar MS4640A, Site Master SxxxA/B series, S820E Microwave Site Master, ShockLine MS46122A/B / MS46322A/B / MS4652XA/B, 54xxA/541xxA/56100A series scalar analyzers</p> <p>Copper Mountain Technologies Planar 304/1, 804/1, 1300/1, S5048, S7530</p> <p>Hewlett - Packard 3577A, 3589A, 8510, 8711-14B/C, ES, ET, 8751/52/53, 8720 series, E5100A/B; 4195, 4395A, 4396A/B Network/Spectrum Analyzer</p> <p>4192A, 4194A, 4284A, 4291A/B, 4294A, E4991 Impedance Analyzer</p> <p>8756, 8757 Scalar Analyzer, 8903A/B Audio Analyzer</p> <p>4145A/B, 4155/56 Semiconductor Param. Analyzers</p> <p>4280 Capacitance Meter; 4352B VCO / PLL Signal Analyzer</p> <p>Keysight/Agilent E5061/62/63/70/71A/B/C, E5080A ENA, E835XA/B/C, E836XA/B/C, N522XA, N523XA, N524XA PNA, PNA-X Series, FieldFox (N9912A..N9938A)</p> <p>Hioki IM3570</p> <p>Marconi Instruments / IFR / Aeroflex 6210, 6200, 6800 MW Test Sets</p> <p>Pico Technology PicoVNA (VNA 5 software)</p> <p>Rohde & Schwarz ZVA/ZVB/ZVT series, ZVH, ZVL, ZVR/ZVC/ZVM/ZVK series, ZNB/ ZNBT/ ZNC/ZND series</p> <p>Wayne Kerr 6500B Impedance Analyzer</p> <p>Wiltron 560A / 6600 Scalar Analyzer system</p>
Spectrum Analyzers	<p>Advantest R3131/3132/3162, R3261/3361, R3265/3271, R3267/3273, R3463/3465, R3671/81, U3641, U3751, U3771, U3772, U4941, R4131 series, TR4135</p> <p>Ando AQ6317 Optical Spectrum Analyzer</p> <p>Anritsu MS2602, MS2650/60, MS2661/2/3, MS2665C, MS2667C, MS2668C, MS2702, MS2802, MS2830, MS612A, MS2711A/B/D, MS2721A/B, MS272XC/T</p> <p>MT8801B Radio Comms Analyzer, MT8220 UMTS Master MS9030A (MV02) Optical Spectrum Analyzer</p> <p>Hewlett - Packard 3561A, 3562A, 35660, 35665, 35670A, 3582, 3585, 3588/89A, 4195, 4395A, 4396A/B, 8542E / 8546A, 8560/1/2/3/4/5, 8566A/B, 8568A/B, 8569B, 8590 series, HP8594EM EMI Receiver; 70000 series8920/22 Wireless Comms Test Set</p> <p>Keysight/Agilent/HP CSA, E44XXA/B ESA-E, ESA-L, PSA, E7400, CXA, EXA, MXA, MXE, PXA, UXA series, L1500A, N9912A-N9938A</p> <p>E5052A Signal Source Analyzer</p> <p>8960 Wireless Comms Test Set (GSM), 89600 series, N9340 Series</p> <p>IFR/Aeroflex AN940, 2394, 2395, 2397, 2398, 2399/A/B/C, 3250, 3280</p> <p>LG Precision SA-9270 / SA-7270</p> <p>Marconi Instruments 2380 and 2390 series</p> <p>2945 series (spectrum only), 2965 series (graphical displays only)</p> <p>Rohde & Schwarz ESMI, ESCL, ESCS, ESIB, ESU, ETL, FSA/B/M, FSE, FSG, FSH (opt K1), FSIQ, FSL, FSP, FSQ, FSU, FSUP,FSV, FSW</p> <p>FS-K40 phase noise option</p> <p>CMS50 series (spectrum analyzer display only) CMD55/65, CMU200 (3GPP FDD/GSM/EDGE/Btooth), CMU300 (GSM/EDGE)</p> <p>Scientific Atlanta SD385</p> <p>Tektronix 2711/2712, 2714/2715, 492P/AP/BP, 494P, RSA3303A/08A, RSA5100B, RSA6106A/RSA6114A, RSA306 (via SignalVu-PC)</p> <p>Willtek/Aeroflex 9100 Series</p>
Modulation Analyzers	<p>Advantest R3264/3267/3273 + Opt62 3GPP, R3671/81</p> <p>Anritsu MS269XA, MS2830A, MS8604A, MS8608A/MS8609A</p> <p>Transmitter Tester MT8820A Radio Comms Analyzer, MT8852A Bluetooth Analyzer</p> <p>Hewlett Packard 53310 modulation domain analyzer</p> <p>5372A Frequency / Time Interval Analyzer</p> <p>71500/70820A Microwave transition analyzer</p> <p>5361B Counter</p> <p>Keysight/Agilent/HP 89400, 8981B, 89600, E4406, ESA, EXA, MXA, PSA, PXA, UXA</p> <p>IFR 2310 Tetra modulation analyzer, 2319E RF Digitiser</p> <p>Pendulum CNT-80 / 81 / 85; CNT-90 / 91 / 91R / 91XL Counter</p> <p>Rohde & Schwarz AMIQ ARB (Memory Buffer), FSE series with Digital Demodulation option B7, FSIQ, FSIQ-B70, FSP-B70, FSG/FSP/FSQ/ FSU/FSV/FSW IQ Capture, FSIQ-K72 WCDMA Analysis, FS-K70, FS-K40 options</p> <p>FS-K96 OFDM analysis</p> <p>RTO-K11 (IQ decimation option)</p> <p>Tektronix WCA230A/280A, RSA5100B , RSA6106A/RSA6114A</p> <p>Wandel & Goltermann PCM-4 PCM channel test set</p>
Signal Generators	<p>Anritsu MG3700A, MS269XA opt 020</p> <p>IFR 3410 ARB Memory (Opt 005)</p> <p>Keithley 2910 Vector Signal Generator</p> <p>Keysight/Agilent/HP ESG-B (4433-4437B) Option UND ARB Memory</p> <p>ESG-C (4438C), PSG ARB Memory, EXG N517XB</p> <p>MXG N5182A with Option 651/652/654, MXG N518XB, M8190A Arb</p> <p>Rohde & Schwarz AMIQ / SMIQ / SMJ / SMBV / SMU / SMW ARB Memory</p> <p>Tektronix AWG2021 Arb (Opt 02 dual channel), AWG400/500/600/710, AFG3000, AWG5000/ 7000/B series, TSG4100</p> <p>Thurlby Thandar TGA12100 Arb</p>
Oscilloscopes	<p>Fluke/Philips PM3350/55/65/75; PM338XA/PM339XA</p> <p>Hameg HMO352x, HMO2524, HMO72x .. HMO202x</p> <p>Keysight/Agilent/HP DSO3000, DSO5000, MSO6000, DSO7000, MSO7000, MSO8000, DSO9000, 90000 Series, 54111/12D, 54120 Series, 54200, 54502A, 54520/40C, 54600/1/2/3, 54610/15/16, 54621/22/24A/D, 54641/2/4A/D, 54645A/D, 54750, 548XXA, 80000</p> <p>Infiniium, 83480, InfiniiVision 2000 X-Series, 3000 X-Series, 4000 X-Series, S Series DSO/MSO, V Series DSO/MSO</p> <p>LeCroy LC300/LC500/9300,</p> <p>WaveRunner/WaveMaster/WavePro, SDA, DDA Series</p> <p>Rigol DS6000 series</p> <p>Rohde & Schwarz RTB , RTO, RTE</p> <p>Tektronix 11000 / DSA60x / CSA Digitiser, TDS 200 to 800 series, TBS 2000, TDS1000/2000/3000/4000/5000/8000, TDS3000B, DPO/MSO2000B, DPO/MSO3000, MDO 3000, DPO 4000, MSO/DPO 5000, DPO7000, DPO70000, DSA70000, 2220, 2230, 2232, 2432A, 2440, 7D20, 7854</p> <p>SCD1000 / SCD5000 Transient Recorder</p> <p>Yokogawa DL1520/DL1540, DL1740 / DL7100 / DL7200, DL750 / DL750P / DL850 / DL850V Series</p>
Others	<p>Boonton 4400 / 4500 Peak Power Meter</p> <p>Keysight/Agilent EPM-P Series Power Meter, 8990A/8991A, N8972/3/4/5A NFA Series Noise Figure Meter</p> <p>66319B/D, 66321B/D Series PSU</p> <p>Hewlett Packard HP8970A/B Noise Figure Meter</p> <p>HP 8990/8991 Peak Power Analyzer</p> <p>HP 85719A Noise Figure Card in HP859XE</p> <p>HP 85671A Phase Noise Card in HP8560/90</p> <p>Rohde & Schwarz NRP xxS(N) sensor family</p>

The range of supported instruments is regularly enhanced - ask about support for instruments you need if you cannot find them here.

Hardware Requirements

Minimum system requirement	Microsoft Windows 11, 10, 8, 7, XP Both 32-bit and 64-bit versions are supplied.
 GPIB card Note SoftPlot can also use RS-232, LAN and VISA	National Instruments , type PC-IIA, AT-GPIB/TNT, PCI-GPIB, PCMCIA-GPIB, GPIB-USB-A/B/HS Keysight/Agilent / HP 82335, 82340, 82341, 82350, 82357A/B Prologix GPIB-USB 4.2, GPIB-Ethernet 1.2 or higher

Capability Summary

Supports	Network Analyzers, Spectrum Analyzers, Modulation Analyzers, Oscilloscopes, Arbitrary waveform generators
Chart Types	Cartesian- linear and log, Polar, Smith, Admittance Smith, Eye Diagram, Vector Modulation (Cartesian, polar, rotated), Constellation, Nichols, Antenna Polar
Graph Data Formats	Linear magn, Log magn, re/im, VSWR, Phase, Group Delay, Unwrapped Phase, Impedance, Capacitance, Inductance, Q Factor.
Data Storage	16 complex trace stores, arbitrary number of points (limited by available system memory). Each store has a trace label, trace notes and data analysis table.
Markers	Up to 100 markers and/or delta markers
Limit lines	Up to 100 arbitrary line segments for limits testing
Scaling	Up to 2 independent vertical scales
Numerical	Electrical delay, Smoothing, Magnitude/ Phase offset, Magnitude slope
Trace maths	+, -, /, x, Log, Magn, Phase, Square-root, Anti-Log, Group Delay, Derivative, Mismatch loss factor, Rollet's Stability Factor K, Stability Factor B, Edwards-Sinsky Stability Mu, Max Unilateral power gain, Max Available Gain, Max Stable Gain, Z0 Renormalisation, No. of Bit Differences, Max Value, Min Value, Standard 3 or 4 port to Mixed Mode S-Parameters, Standard 2-port to Differential 1-port S-Parameters, Timebase Delay, Smoothing, Wraparound Smoothing, Complex Reflection to VSWR, Complex Refl to impedance, dB Reflection to VSWR, mW to dBm, dBm to mW, T-Check quotient, Sorting, 2-port de-embedding, Envelope of RF Signal
Data Editing	Edit, cut, copy and paste traces in the Table view
Measurement Templates	Copy attributes from previous measurements such as limits, markers, annotation, graticule
Integrated Interfaces:	OLE2 Linking and Embedding (for Word, PowerPoint, etc) :- double - click in the document to begin editing, COM (ActiveX Automation) and DDE Server (for automated operation with test system software)
File Formats: (all bidirectional except graphics and MAT)	SoftPlot (*.SPT), MIPlot (*.MPT), Agilent EEsof, AWR MW Office, Eagleware GENESYS (*.S1P, .S4P), Ansoft Super Compact (*.FLP), Spreadsheet (*.CSV), Tab Delimited (*.TXT), MathCad (*.PRN), Citifile (*.F??,D??), BMP, TIFF, JPEG, WMF, EMF, PNG, MatLab (*.MAT)

Ordering Information and Enquiries...

Further information and a free evaluation edition of **SoftPlot** is available for download from our Web site. Alternatively contact us using the details below.

Ordering Options :	Purchase online at www.softplot.com . Or request a quotation if you prefer to use an official company purchase order. Site licences are also available and quantity discounts may apply.
Delivery :	Within 10 working days
Address To:	Aphena Ltd., 10, Teversham Road, Fulbourn, Cambridge, U.K. CB21 5EB
Tel:	+44 (0) 1223 700499
E-Mail To:	Enquiries@aphena.com
WorldWide Web Site:	http://www.aphena.com http://www.softplot.com

Ref : SoftPlot Data Sheet 30/3/24

