

## **ATLAS 21:09:14:00**

Release Date: 14<sup>th</sup> September 2021

- 1: Removed blank window on VNA Eigen SDD21display
- 2: Fixed datalog data readout for F1-F4 VNA loss
- 3: Added archive of prior calibrations functionality (on VNA Hardware)

## **ATLAS 21:07:27**

Release Date: 27<sup>th</sup> July 2021

- 1: Colour scheme export modified
- 2: Support for Anritsu MS4647B (70GHz) added

## **ATLAS 21:02:24**

Release Date: 24<sup>th</sup> February 2021

- 1: Modified to work with PSec.dll V20.11.23.0
- 2: Support for 'Export to SI9000' added for VNA based test
- 3: ErEff and Phase added

## **ATLAS 20:11:12**

Release Date: 12th November 2020

- 1: Bug fix in VNA Differential Impedance Test

## **ATLAS 20:10:28**

Release Date: 28th October 2020

- 1: Delta-L 4.0 Eigenvalue implemented
- 2: Updated Matlab Runtime 2015b required

## **ATLAS 20:05:13**

Release Date: 13<sup>th</sup> May 2020

- 1: Overrun of items in VNA Delta-L test setup
- 2: Error in position of test region in VNA Impedance
- 3: Default Impedance test not saving VNA selection

## **ATLAS 20:05**

Release Date: 7<sup>th</sup> May 2020

- 1: VNA DeltaL & VNA Z additions

## **ATLAS 19:01.17**

Release Date: 23<sup>rd</sup> March 2020

- 1: Signed release

## **ATLAS 19:01.17**

Release Date: 17<sup>th</sup> Jan 2019

- 1: Add advanced setting warning to Delta-L test editor (ISP etc)
- 2: Dynamic TDT baseline adjustment now based on ISP
- 3: Windowed Impulse response added back into release display

## **ATLAS 19:01**

Release Date: 20<sup>th</sup> November 2018

1: Delta-L and SPP acquisition modifications per ticket 479-01-000015

## **ATLAS 18.05**

Release Date: 16<sup>th</sup> May 2018

- 1: Support of 2018 licence PCN and Polarcare added to help about
- 2: Time delay before acquisition of recorded data option added to confirm probe placement.
- 3: Delta-L 3, 3 Line added, 3 line functionality and Uncertainty test added to both 2 and 3 Line Delta-L
- 4: Results of first four test points now separately included in datalog

## **ATLAS 17.03**

Release Date: 9<sup>th</sup> March 2017

- 1: More mitigation of excessive time delay in Tek CH34 Pulser/Sampler seen in Japan (again)
- 2: Splash screen update to reflect year – 2017
- 3: Note requires EOP cal before use !

Numerous small incremental changes

## **ATLAS 17.01**

Release Date: 11<sup>th</sup> January 2017

- 1: Mitigation of excessive time delay in Tek CH34 Pulser/Sampler seen in Japan

Numerous small incremental changes

## **ATLAS 16.10**

Release Date: 20<sup>th</sup> October 2016

- 1: Display of SPP Prescreen Z not using correct Y Axis scale

Numerous small incremental changes

## **ATLAS 16.08**

Release Date: 2<sup>nd</sup> August 2016

- 1: Display unit suffix's removed from datalog view (and csv export) Ticket 438-03-000391
- 2: Delete of selected datalog data - Ticket 438-03-000391
- 3: Splash screen updates
- 4: Fixed bug in calculation of impedance in Differential SPP Pretest

Numerous small incremental changes

## **ATLAS V16.07**

Release Date: 14<sup>th</sup> July 2016

- 1: Export to SI9000 functionality added
- 2: This document now in PDF
- 3: Bug in display of Delta-L data logged results fixed Ticket 438-03-000441
- 4: Bug – test results not properly cleared after datalog ( Delta-L only )
- 5: Bug in cut and paste of tested item ( Delta-L only )

Numerous small incremental changes

## **ATLAS V16.04**

Release Date: 19<sup>th</sup> April 2016

- 1: Remove text suffix(s) from datalog fields Ticket 442-02-000162
- 2: Add support for Delta L Test Type – Requires Flex Licence
- 3: Fix bug – app broke when only LL SPP had been done, then ‘Save and Exit’

Numerous small incremental changes

## **ATLAS V15.07**

Release Date: 21<sup>st</sup> July 2015

- 1: Touchstone / Via Compensation added to SET2DIL - (Beta) Requires Flex Licence
- 2: Er Eff display – removed confusion of two coloured graph
- 3: Fixed bug in regression fit 438-03-000285
- 4: Tidied up EOP dialog for 2ch operation
- 5: Export Waveform data to csv added (1000 points max per Waveform)

Numerous small incremental changes

## **ATLAS V14.11**

Release Date: 20<sup>th</sup> November 2014

- 1: LPE functionality added
- 2: Tek VISA driver removed from install (marketing request)

Numerous small incremental changes

## **ATLAS V14.08**

Release Date: 18<sup>th</sup> August 2014

- 1: Export of custom CSV output for SET2DIL
- 2: Export of Datalog view contents in CSV format added (with toolbar btn)

Numerous small incremental changes

## **ATLAS V14.07**

Release Date: 1<sup>st</sup> July 2014

- 1: R<sup>2</sup> and Y-Intercept mistakenly dropped from display readout – fixed
- 2: ErEff and Beta added to SET2DIL displays
- 3: Minor cursor readout modifications
- 4: Provision (including Flex Feature) for non IFN SPP testing added
- 5: Fixed bug in ZRegression slope value reported in datalog
- 6: Export of custom CSV file from datalogged SPP results

Numerous small incremental changes

## **ATLAS V14.04**

Release Date: 2<sup>nd</sup> April 2014

- 1: Cursor readout functionality added (menu and Config Page)
- 2: RSQ readout added

Numerous small incremental changes

## **ATLAS V14.03.14**

Release Date: 14<sup>th</sup> March 2014

- 1: SPP Bug fix for test point data at FMax
- 2: SET2DIL / SET2SIL horizontals now in ns

Numerous small incremental changes

## **ATLAS V14.03**

Release Date: 13<sup>th</sup> March 2014

- 1: SPP Horizontal displays now in ns
- 2: Removed separate data point counts for PreScreen and SPP main test
- 3: ISP now altered with data point counts (above) to maintain optimum window
- 4: Auto Test From Test To option added to PreScreen
- 5: Auto FMin, FMax option added to SPP Line Fit
- 6: SPP Output display smoothing implemented
- 7: Impedance test display modified to use Polar Graph type display
- 8: Config option to display Results on LHS or RHS of graph added
- 9: Bigger Pass / Fail display
- 10: SPP Pre Screen Z Regression fit and Test at nominated points added

Numerous small incremental changes

Notes:-

Some issues may be experienced with loading of V14.00 snapshot files.

## **ATLAS V14.00**

Release Date: 6<sup>th</sup> January 2014

- 1: SPP Support added
- 2: 2014 Version Licence required
- 3: Numerous small incremental changes

## **ATLAS V13.08**

Release Date: 14<sup>th</sup> August 2013

- 1: Bug in V104 load of Demo files fixed
- 2: SET2SEIL Support added

- 3: Licence Feature name change for SET2DIL / SET2SEIL
- 4: Probe Type and Skew headings removed from EOP dialog
- 5: Numerous small incremental changes

## **ATLAS V13.06**

Release Date: 1<sup>st</sup> July 2013 ( NB: Engineering June ;)

- 1: Save and load colour schemes via text files now supported
- 2: Bi-Directional SET2DIL support added
- 3: Other (provisional) loss test methods removed
- 4: Support for Tek 80e08 and 80e10 sampler modules
- 5: One-click activation of underlying waveform view added
- 6: Numerous small incremental changes

## **ATLAS V13.04**

Release Date: 9<sup>th</sup> April 2013

- 1: Implement Intel Root line fit suggestions
- 2: Added diagnostic Spectral Response
- 3: Support for ATLAS800 added
- 4: Made line lengths user select per test
- 5: ATLAS 2013 licence required
- 6: Support for .Snapshot file type added
- 7: Enable Snapshot on Datalog option added to Config
- 8: Numerous small incremental changes

## **ATLAS V12.08**

Release Date: 28<sup>th</sup> August 2012

- 1: Report 3dp in stored datalog loss result
- 2: Copyright notice updated in Help About
- 3: Modifications to licence system
- 4: EOP Adjustment cleanup
- 5: Testlist and Datalog column names now consistent
- 6: Set2Dil Deskew Wizard added
- 7: Change of Deskew without retest facility added
- 8: R2 and Intercept warning system added
- 9: R2 now displays to 4dp
- 10: Set2Dil Deskew moved to Utilities
- 11: Loss Intercept, Loss Slope, 4Ghz and 8Ghz loss values added to datalog
- 12: Numerous small incremental changes

## **ATLAS V12.02**

Release Date: 26<sup>th</sup> February 2012

- 1: Fix bug in Auto Run next test behaviour

## **ATLAS V12.01**

Release Date: 5<sup>th</sup> January 2012

- 1: Data Acquisition speed up
- 2: Date Changes to splash screen

## **ATLAS V11.10**

Release Date:

- 1: Added software Version in status bar
- 2: Screen display of Pts/Avg/ISP (data points / averages / ISP) added to Loss Display
- 3: Loss.Averages added to Datalog
- 4: Loss.Data Points added to Datalog
- 5: Loss.R<sup>2</sup> added to Datalog
- 6: AutoRun next test option added to all test types
- 7: Ability to abort loss tests added
- 9: User control of Averaging and data point count added to Loss tests (may not be Intel approved)
- 10: How to De-Skew (Intel Method) prompt Dialog added
- 11: Interface name changed from TDS8200 to DSA8200. Users may need to re-select interface in config and re-learn EOP
- 12: Board Notes added
- 13: Default Averages for SDD21#2 ( formerly Polar SET2DIL) now 128
- 14: Skew corrections are now directly in ps and not ISP steps, figure will need re entering in Config.Loss Tab of software.
- 15: Erase 'Thru' button leading to dialog added to toolbar
- 16: Insert Test Dialog - removed toxic yellow background
- 17: Default channel pair for SET2DIL now CH1 & CH2
- 18: Averages and Data Points added to testlist selection
- 19: Loss.Skew and Loss.ISP added to datalog.
- 20: SET2DIL Polar renamed SDD21#2

## **ATLAS V11.05**

Release Date: 3rd May 2011

- 1: Bug in V11:04 did not calc SET2DIL result if line fitting was OFF.
- 2: Calculation via Intel Matlab Script V101212 added
- 3: Risetime calc modified to use 20-80% as GGB probe exhibits dribble-up
- 4: Loss display modified to report 3dp
- 5: Added Intel Microstrip and Stripline Loss example files to shipped demonstration files

## **ATLAS V11.04**

Release Date: 5<sup>th</sup> April 2011

- 1: Added user determination of Fmax for use in Line Fit ( config / loss tab )

NB this release version probably never escaped the factory.

## **ATLAS V11.01**

Release Date: 10<sup>th</sup> January 2011

Added user determination of Fmax for use in Line Fit ( config / loss tab )

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## **Beta 3 Release 15th November 2010**

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Enforced common ISP for all wf's passed to CS21Calc::CalcSET2DIL() - fs differences were causing fft to come up with diferent sz arrays :(

Added user edit for time before auto advance

Auto inc SN during datalog event

Datalog Now menu item update / availability fixed

System was using timeout if GetWaveform() tried to use a non present TDR channel

CWaitCursor on export all wf's

Count of datalog items added to status bar

Printing options removed

DeSkew was not being applied to Stripline in SET2DILIntel or SET2DILPolar

Line fit option added - including evaluation against fit

Ammendments to format of exported waveforms

CSetupS21::EmptyWaveformReferenceMembers() was not being called for File New or File Open,

added call to CAtlasDoc::DeleteContents()

Fixed bug in loss interpolation from Raw loss data

Moved start of system bandwidth determination to 1/2 smoothing window size

Loss.FMax added to datalog

Loss.Fit added to datalog

Splash screen updated for Si and Pcb versions - remove Beta and change year to 2011

Split runtime Licences to allow for ATLAS\_LOSS and ATLAS\_Z, also added Year via MaxVer=

Test Editor modified to dis-allow non channel pair

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## **Beta 2 Release.**

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File Export Enhanced  
Microstrip / Stripline switch added for SET2DIL  
Loss Calculation Enhanced, smoothing removed, Impulse fft etc...  
Datalog file heading str modified to include ID of test changed 'ID' to 'AtlasID' - see  
<http://support.microsoft.com/kb/323626>  
Datalog file heading str 'Ver' modified to include version it applies to  
Loss Build Stripline / Microstrip switch added for SET2DIL, calc path now diferent for Stripline &  
Microstrip  
Loss.Build added to displays and datalog for above  
BW display and calc now stops at 20.1 GHz  
Sharpened up system response time when not acquiring test data ( avg = 2 )  
Removed a number of redundant calls on CTDRInterface::VReset()  
SET2DIL Loss split into Intel & Polar methods (essentially avg 512/20 and pts 4000/2000)  
Automatic SET2DIL\_Intel file (cvf) file output added for SET2DIL\_101011 script compatability  
Auto display of system caution items on startup added

Loss - Factory default test points added at 4GHz and 8GHz  
Testfile, waveform files, log files all rev'd for new data versions

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## Beta 1 Release.

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Update CLocateEOPDlg to allow for disable of De-Skew  
and allow EOP only.

Cleanup calls on GetWaveform() - particularly averaging arg.

Beyond sys BW loss display changed to display actual loss in  
brackets rather than just "----"

Ref WF acquire for Loss modded to 64 averages

Loss display inside Test Editor modified to show 2dp