

History and release notes for the Rohde&Schwarz ESPI Test Receiver

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ESPI driver history		
Revision	Date	Note
1.4	09/2004	<p>Modifications: Implementation of ESCI instrument support</p> <p>Modified VIs: - RSESPI Initialize.vi - RSESPI Utility Default Instrument Setup.vi - RSESPI Final Measurement Time.vi - RSESPI Tracking Generator Ext Select.vi - RSESPI Receiver Frequency.vi - RSESPI Read Spectrum App.vi</p> <p>Added VIs: - RSESPI Initialize Hardcopy To File.vi - RSESPI Read To File From Instrument.vi - RSESPI Write From File To Instrument.vi</p>
1.3.1	06/2003	<p>Modifications:</p> <p>For Agilent VISA Version L01 or higher and Agilent GPIB board added "/n" in I/O functions</p> <p>The associated measurement window can be selected with the numeric suffix of comand TRACe<1 2>. Global variable is added to allow elect measurement window with the existing trace data functions.</p> <p>Changed functions are: rsespi_confSetActiveWindow rsespi_actSAMCopyTrace rsespi_dataReadTrace rsespi_dataWriteTrace</p>
1.3	04/2003	<p>Modifications:</p> <ul style="list-style-type: none"> - Marker Search Parameter (rsespi_confSAMMarkSearchParamExt) Range checkig for Search Limits is skipped. - New function: Marker Search Limits (rsespi_confSAMMarkSearchLimits) - code cleanup
1.2	09/2002	<p>Modifications:</p> <ul style="list-style-type: none"> - Removed #include <cstdint.h> from header file
1.1	07/2002	<p>Modifications:</p> <ul style="list-style-type: none"> - new functions: Set Full Span (confFullSpan) Configure Domain (confDomain) Frequency Step (confFreqStep) Frequency Step Coupling (confFreqStepCoupling)

ESPI driver history

Revision	Date	Note
		Setup V-network Measurement (confVNetwork) Display Lines (confDLines) Set Limit Line Shift (confLimitLineShift) Clear Limit Line (actClearLimitLine) Set Limit Line Spacing (confLimitLineSpacing) Trace IQ Averaging (configureTraceIQAver) Final Measurement Time (confFMTime) Video BW Type (confSAMVibwType) Power Saving (confDisplayPowerSave) ASCII Files Separator (confASCIISeparator) Config Hardcopy Colors (configHardcopyColors) Stat Percent Marker (confStatPercentMkr) Delta Marker Fixed Ref Max (confSAMDeltaMarkFixRefMax) FM Modulation Deviation (confFMModulationDeviation) Receiver X-Axes Spacing (confRECXAxisSpacing) Configure Final Measurement (confFinalMeas) Final Measurement Detector (confFinalMeasDet) Marker Zoom (actMarkZoom) Get Power Of Signal Pulses (getPowerOfSignalPulses) Hold (actHold) Calibration Abort (actCalibrationAbort) Service Source Cal Signal (actServiceSourceCalSignal) Set User Port Value (actSetUserPortValue) ASCII Export Trace (actTraceExport) File Directory (actFileCat) Clear Device Settings (actClearSettings) Set Comment (actSetComment) Write Block To File (actWriteBlock) Abort Hardcopy (actAbortHCopy) Adjust Reference Level (actSAMCPSetLevel) Activate Gen Of Final Meas (actGenFinalMeas) Read Bargraph Limits (dataReadBargraph) Self Test Result (self_test_result) Define Scan List (DefineScanList) Enable SCan List (EnableScanList) Configure Number Of Measurements (ConfigureNumberOfMeasurements) Modified Functions: - File Operations (actMemOp), new operations were added - File Select Items (actMemSel), new item selectors were added
1.0	05/2001	Created based on FSP instrument driver "Rev 1.2, 03/2001, CVI 5.5.1", - the help of Trigger parameters corrected. Bugs fixed. - the command bug fixed in actMeasBurstPwrSeq, the comment added.

Additional Help for LabVIEW drivers

The LabVIEW instrument driver consists of a ZIP archive containing the driver sources (LLB and MNU files). In addition, the instrument driver documentation is included in compressed HTML format (Windows CHM help file) stored together with the LV driver sources.

Each VI's help is linked to the section in the "CHM" file that describes all the features of the VI.

- **LabVIEW 6.1 and higher** an additional help topic can be accessed directly by pressing "[Click here for more help](#)" in the Context Help
- For LabVIEW **6.0** an additional help topic can also be accessed by pressing "[Click here for more help](#)" in the Context Help which opens the additional help start page.
- For **LabVIEW 5** it is necessary to start the rsfsp.chm file separately.

LabVIEW 5.1 driver

For new driver revisions please contact [Rohde & Schwarz Customer Support Center](#)

Remote control via LAN

This driver also supports remote control via LAN. For more information see application note [1EF47](#)

ESCI instrument support

For compatibility it's possible, but not recommendable, to use the ESPI driver, Revision 1.4, 09/2004 or higher for ESCI too.