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

Contents

ESPI driver history		
Revision	Date	Note

1.4	09/2004	Modifications:
		Implementation of ESCI instrument support
		
		-Changed functions:
		  rsespi_init
		  rsespi_defaultInstrSetup
		  rsespi_confFMTime
		  rsespi_confTrackExtSel
		  rsespi_confRECFreq
		  rsespi_dataReadTrace
		  rsespi_dataWriteTrace
		- Added functions:
		  rsespi_actHCopyToFile
		  rsespi_readToFile
		  rsespi_writeFromFile

1.3.1	06/2003	Modifications:
		
		For Agilent VISA Version L01 or higer and Agilent GPIB board added "/n" in I/O functions
		
		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.
		Changed functions are:
		    rsespi_confSetActiveWindow
		    rsespi_actSAMCopyTrace
		    rsespi_dataReadTrace
		    rsespi_dataWriteTrace

1.3	04/2003	Modifications: - 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	Modifications: - Removed #include <cvidef.h> from header file
1.1	07/2002	Modifications:

ESPI driver history

Revision	Date	Note

		- new functions:
		    Set Full Span (confFullSpan)
		    Configure Domain (confDomain)
		    Frequency Step (confFreqStep)
		    Frequency Step Coupling (confFreqStepCoupling)
		    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 (confRECXAxeSpacing)
		    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.

LabWindows/CVI

Additional Help

The LabWindows/CVI instrument driver consists of a ZIP archive containing the driver sources. In addition, the instrument driver documentation is also included in compressed HTML format (Windows CHM help file) and stored together with the driver sources.

VXIplug&play Instrument Driver for VEE, Visual Basic, Visual C++, Borland C++ etc.

Additional Help

In addition, the instrument driver documentation is also included in compressed HTML format (Windows CHM help file) and stored together with the driver sources in the ~VXIpnp\WinNT\rsespi directory.

Additional Information

For more information regarding the VXIPnP instrument drivers, please read the readme.txt file that comes with each driver.

Remote control via LAN

This driver also supports remote control via LAN. For more information see application note 1EF47

ESCI insturment support

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