

LabVIEW driver history for the R&S® EMI Test Receivers Driver Documentation

Products:

| R&S® ESW



| R&S® ESR



| R&S® ESRP



Driver history for LabVIEW

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1 Supported Instruments

In the following table the supported R&S instruments and firmware versions are listed:

Which instruments are supported?		
Current revision of instrument driver supports these instruments and firmware versions:		
Instrument	Supported Firmware	Remarks
ESW	1.00	New instrument added
ESR	2.26	
ESRP	2.26	

2 Installation of the LabVIEW driver

Before you start the installer, please close your LabVIEW application.

2.1 Installation on a Windows machine

The driver is distributed as a WinZip self-extracting executable file. Installer supported operation systems: WinXP, Win7, Win8, Win10.

Preconditions:

- LabVIEW 2010 or newer installed
- Any VISA installed – R&S VISA 5.5.4 or newer / NI VISA 5.4 or newer

When you start the driver WinZip installer, the following steps are being performed:

1. Unpacking of the driver's **instr.lib** and **user.lib** directories content as well as the **Installer.vi** into a temporary folder: **C:\temp\rsemi-lv-2.27.1**
The driver is compiled in LabVIEW 2010 32-bit. From there you can copy to another location or run the **Installer.vi** manually later. The content of the temporary folder is not deleted after the installation is finished. Starting the same installation again will overwrite the data in this temporary folder.
2. After unpacking, the **Installer.vi** is automatically started in the last opened version of LabVIEW.
In case you have more than one version of LabVIEW installed on your machine, make sure that the last opened LabVIEW version is the one in which you want to use the driver. If that's not the case, cancel the installation at this point, open and close your desired LabVIEW version and run the installer again. You can have the driver installed parallel for more LabVIEW versions by repeating the installation process for each desired version.
3. On the installer options page you have a choice to uncheck the **Mass-compiling** option (**not recommended, because of the driver's performance penalty as well as VIs opening times**) and also you can change the location of the **instr.lib** part of the driver. **user.lib** part must be placed in the default location, otherwise the Express VI configuration will not function.
On this page you also see the actual LabVIEW version.
Hitting **Next** button will first delete the old driver (if it existed), copy the new driver and mass-compile it.
4. The LabVIEW is closed and after starting it again the driver is ready for use.

2.2 Installation on a non-Windows machine

In case you would like to install the driver on a non-Windows machine, use a Windows machine to start the driver's WinZip self-extracting executable file. **This machine doesn't need to have LabVIEW installed.**

After the **Step 1** from the previous chapter is finished, copy the content of the temporary folder to your target machine and start the **Installer.vi** manually. From that point onwards, the installation process is the same as described in the previous chapter Steps 2, 3, and 4.

3 LabVIEW driver history

rsemi Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
2.27.1	07/2016	<p>New VIs:</p> <ul style="list-style-type: none"> Bin Data From File To Instrument.vi Bin Data To File From Instrument.vi Clear Status.vi ID Query Response.vi Process All Previous Commands.vi Query OPC.vi <p>Updated VIs</p> <ul style="list-style-type: none"> Configure Error Checking.vi - help updated Error Query.vi - reads out all error Read To File From Instrument.vi - using new subVI, Source parameter changed to String Write From File To Instrument.vi - using new subVI, Destination parameter changed to String <p>Modified attributes:</p> <ul style="list-style-type: none"> RF Input (RSEMI_ATTR_RF_INPUT) - instrument model restrictions removed
2.27.0	02/2016	<p>Support for ESW version 1.00 added</p> <p>Support for FSWT version 1.20 added</p> <p>New VIs:</p> <ul style="list-style-type: none"> Configure Spectrum Frequency Start Min Max.vi Query Spectrum Frequency Start Min Max.vi Configure Spectrum Frequency Stop Min Max.vi Query Spectrum Frequency Stop Min Max.vi Configure Bandwidth Ratio Min Max.vi Query Bandwidth Ratio Min Max.vi Configure IF Analysis Resolution Bandwidth.vi Configure Attenuation Min Max.vi Configure Attenuation Up Down.vi Query Attenuation Min Max.vi Configure Signal Track Bandwidth Min Max.vi Query Signal Track Bandwidth Min Max.vi Configure Display Subwindow Size.vi Configure Spectrogram Bandwidth Ratio Min Max.vi Query Spectrogram Bandwidth Ratio Min Max.vi Configure Spectrogram Selected Frame Min Max.vi Query Spectrogram Selected Frame Min Max.vi Delete Selected Frequency Mask.vi Configure Frequency Signal Track Bandwidth Min Max.vi

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Revision	Date	Note
		Query Frequency Signal Track Bandwidth Min Max.vi Configure Marker Amplitude.vi Configure Frequency Scan Measurement Time Min Max.vi Query Frequency Scan Measurement Time Min Max.vi Configure IF Attenuation Configure Attenuation Limiter Configure IF Power Trigger Coupling Configure LNA Preamplifier State Configure LNA Preamplifier Configure Direct Path Configure Preselector Notch Filter State.vi Configure Preselector Split State.vi Configure Marker Info.vi Configure Display Conductances.vi Configure Power Set.vi Configure Spurious Emissions Peak Search Details.vi Configure Spurious Emissions Sweep List LNA Preamplifier.vi Configure SEM Range LNA Preamplifier.vi IQ Analyzer Mode.vi Configure Spectrogram Bandwidth Ratio.vi Configure IF Span Coupled.vi Configure Spectrogram Layout.vi Configure Frequency Scan IF Attenuation.vi Configure Frequency Scan LNA Preamplifier State.vi Configure Frequency Scan LNA Preamplifier.vi Configure Transducer Factors.vi Configure Calibration Automatic Power Reduction.vi Configure Calibration Kit Additional Directory.vi Configure Calibration Frequency Microwave.vi Clear Remote Errors.vi Display Remote Errors.vi Configure Calibration Auto Averaging.vi Tracking Generator Real-time spectrum analysis Layout Test Receiver Layout RF Switch RF Input Updated VIs Configure Result Display.vi Configure Unit Power.vi - added new supported units Select Power Measurement.vi - added new supported units

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		<p>Configure Amplitude Level Unit - added new supported units</p> <p>Configure SEM Range Limits.vi - fixed repcap formatting</p> <p>Configure SEM Subblock Range Rel Limit Start Func.vi - fixed Function settings</p> <p>Configure SEM Subblock Range Limits.vi - fixed Limit Check Type settings</p> <p>Configure Spectrogram Display Vertical Scaling.vi - parameter Trace changed to Reserved</p> <p>Configure Video Output.vi - Gain mode AUTO added</p> <p>Configure Marker Band Power.vi - added RPOWER</p> <p>Configure Delta Marker Band Power.vi - added RPOWER</p> <p>Configure Trigger Source.vi - added EXT4</p> <p>Configure External Gate.vi - added EXT4</p> <p>Configure Limit Line.vi - added new supported units</p> <p>Query Power Results.vi - added AOBW and TPOW</p> <p>Configure Analog Demodulation State.vi - added IF and Video</p> <p>Configure Prescanning V network Type.vi - added ENV432</p> <p>Configure Spectrogram Acquisition.vi - changed Window control to Reserved</p> <p>New attributes:</p> <p>Frequency Start Min Max (RSEMI_ATTR_FREQUENCY_START_MIN_MAX)</p> <p>Frequency Start Get Min (RSEMI_ATTR_FREQUENCY_START_GET_MIN)</p> <p>Frequency Start Get Max (RSEMI_ATTR_FREQUENCY_START_GET_MAX)</p> <p>Frequency Stop Min Max (RSEMI_ATTR_FREQUENCY_STOP_MIN_MAX)</p> <p>Frequency Stop Get Min (RSEMI_ATTR_FREQUENCY_STOP_GET_MIN)</p> <p>Frequency Stop Get Max (RSEMI_ATTR_FREQUENCY_STOP_GET_MAX)</p> <p>SAN Signal Track Bandwidth Min Max (RSEMI_ATTR_SIGNAL_TRACK_BWID_MIN_MAX)</p> <p>SAN Signal Track Bandwidth Get Min (RSEMI_ATTR_SIGNAL_TRACK_BWID_GET_MIN)</p> <p>SAN Signal Track Bandwidth Get Max (RSEMI_ATTR_SIGNAL_TRACK_BWID_GET_MAX)</p> <p>Resolution Bandwidth Ratio Min Max (RSEMI_ATTR_RESOLUTION_BANDWIDTH_RATIO_MIN_MAX)</p> <p>Resolution Bandwidth Ratio Get Min (RSEMI_ATTR_RESOLUTION_BANDWIDTH_RATIO_GET_MIN)</p> <p>Resolution Bandwidth Ratio Get Max (RSEMI_ATTR_RESOLUTION_BANDWIDTH_RATIO_GET_MAX)</p> <p>Trigger IF Power Coupling (RSEMI_ATTR_TRIGGER_IFP_COUPLING)</p> <p>Attenuation Min Max (RSEMI_ATTR_ATTENUATION_MIN_MAX)</p> <p>Attenuation Up Down (RSEMI_ATTR_ATTENUATION_UP_DOWN)</p> <p>Attenuation Get Min (RSEMI_ATTR_ATTENUATION_GET_MIN)</p> <p>Attenuation Get Max (RSEMI_ATTR_ATTENUATION_GET_MAX)</p> <p>Attenuation IF Auto (RSEMI_ATTR_ATTENUATION_IF_AUTO)</p> <p>Attenuation IF (RSEMI_ATTR_ATTENUATION_IF)</p> <p>Attenuation Limiter (RSEMI_ATTR_ATTENUATION_LIMITER)</p> <p>Amplitude Preselector Filter Split State (RSEMI_ATTR_INP_PRESELECTOR_FILTER_SPLIT_STATE)</p> <p>Amplitude LNA Preamplifier Auto (RSEMI_ATTR_AMPL_LNA_PREAMPLIFIER_AUTO)</p> <p>Amplitude LNA Preamplifier State (RSEMI_ATTR_AMPL_LNA_PREAMPLIFIER)</p> <p>Direct Path (RSEMI_ATTR_DIRECT_PATH)</p> <p>Amplitude Preselector Notch Filter State (RSEMI_ATTR_INP_PRESELECTOR_NOTCH_FILTER_STATE)</p>

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Revision	Date	Note
		Display Marker Info (RSEMI_ATTR_DISPLAY_MARKER_INFO) Display Conductances (RSEMI_ATTR_DISPLAY_CONDUCTANCES) Display Subwindow Size (RSEMI_ATTR_DISPLAY_SUBWINDOW_SIZE) Power Set (RSEMI_ATTR_MEAS_POW_SET) SE Peak Search Details (RSEMI_ATTR_SE_PEAK_SEARCH_DETAILS) SE List Range LNA Pre-amplifier (RSEMI_ATTR_SE_LIST_RANGE_INP_GAIN_LNA_STAT) Spectrum Emission Mask Range LNA Preamplifier (RSEMI_ATTR_SEM_RANGE_LNA_PREAMPLIFIER) IQ Analyzer Mode (RSEMI_ATTR_RECEIVER_IQ_MODE) Spectrogram Resolution Bandwidth Ratio Min Max (RSEMI_ATTR_SPEM_RESOLUTION_BANDWIDTH_RATIO_MIN_MAX) Spectrogram Resolution Bandwidth Ratio Get Min (RSEMI_ATTR_SPEM_RESOLUTION_BANDWIDTH_RATIO_GET_MIN) Spectrogram Resolution Bandwidth Ratio Get Max (RSEMI_ATTR_SPEM_RESOLUTION_BANDWIDTH_RATIO_GET_MAX) Spectrogram Frame Select Min Max (RSEMI_ATTR_SPEM_FRAME_SELECT_MIN_MAX) Spectrogram Frame Select Get Min (RSEMI_ATTR_SPECTROGRAM_FRAME_SELECT_GET_MIN) Spectrogram Frame Select Get Max (RSEMI_ATTR_SPECTROGRAM_FRAME_SELECT_GET_MAX) Spectrogram Layout Window Remove (RSEMI_ATTR_SPEM_LAYOUT_WINDOW_REMOVE) Spectrogram Layout Window List (RSEMI_ATTR_SPEM_LAYOUT_WINDOW_LIST) Spectrogram Layout Query Window Name (RSEMI_ATTR_SPEM_LAYOUT_QUERY_WINDOW_NAME) Spectrogram Frequency Mask Trigger Delete Selected (RSEMI_ATTR_SPEM_MASK_TRIGGER_DELETE_SELECTED) Signal Track Bandwidth Min Max (RSEMI_ATTR_RECEIVER_SIGNAL_TRACK_BWID_MIN_MAX) Signal Track Bandwidth Get Min (RSEMI_ATTR_RECEIVER_SIGNAL_TRACK_BWID_GET_MIN) Signal Track Bandwidth Get Max (RSEMI_ATTR_RECEIVER_SIGNAL_TRACK_BWID_GET_MAX) IF Span Coupled (RSEMI_ATTR_IF_ANALYSIS_SPAN_COUPLED) IF Analysis Resolution Bandwidth (RSEMI_ATTR_IF_ANALYSIS_RESOLUTION_BANDWIDTH) Frequency Scan Measurement Time Min Max (RSEMI_ATTR_FREQUENCY_SCAN_MEASUREMENT_TIME_MIN_MAX) Frequency Scan Measurement Time Get Min (RSEMI_ATTR_FREQUENCY_SCAN_MEASUREMENT_TIME_GET_MIN) Frequency Scan Measurement Time Get Max (RSEMI_ATTR_FREQUENCY_SCAN_MEASUREMENT_TIME_GET_MAX) Frequency Scan IF Attenuation (RSEMI_ATTR_FREQUENCY_SCAN_IF_ATTENUATION) Frequency Scan IF Auto Ranging State (RSEMI_ATTR_FREQUENCY_SCAN_IF_AUTO_RANGING_STATE) Frequency Scan Range LNA Preamplifier (RSEMI_ATTR_FREQUENCY_SCAN_RANGE_LNA_PREAMPLIFIER) Frequency Scan Range LNA Preamplifier Auto (RSEMI_ATTR_FREQUENCY_SCAN_RANGE_LNA_PREAMPLIFIER_AUTO) Receiver Layout Window Remove (RSEMI_ATTR_RECEIVER_LAYOUT_WINDOW_REMOVE) Receiver Layout Window List (RSEMI_ATTR_RECEIVER_LAYOUT_WINDOW_LIST) Receiver Layout Query Window Name (RSEMI_ATTR_RECEIVER_LAYOUT_QUERY_WINDOW_NAME) Spectrogram Layout (RSEMI_ATTR_SGRAM_LAYOUT)

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Revision	Date	Note
		Final Measurement Automatic (RSEMI_ATTR_FINAL_MEASUREMENT_AUTOMATIC) Tracking Generator Enabled (RSEMI_ATTR_TRACKING_GENERATOR_ENABLED) Tracking Generator Measurement Type (RSEMI_ATTR_TRACKING_GENERATOR_MEASUREMENT_TYPE) Tracking Generator Calibration (RSEMI_ATTR_TRACKING_GENERATOR_CALIBRATION) Tracking Generator Restore (RSEMI_ATTR_TRACKING_GENERATOR_RESTORE) Tracking Generator Normalization (RSEMI_ATTR_TRACKING_GENERATOR_NORMALIZATION) Tracking Generator Modulation AM (RSEMI_ATTR_TRACKING_GENERATOR_MODULATION_AM) Tracking Generator Modulation IQ (RSEMI_ATTR_TRACKING_GENERATOR_MODULATION_IQ) Tracking Generator Modulation FM (RSEMI_ATTR_TRACKING_GENERATOR_MODULATION_FM) Tracking Generator Modulation FM Deviation (RSEMI_ATTR_TRACKING_GENERATOR_MODULATION_FM_DEVIATION) Tracking Generator Modulation Frequency Offset (RSEMI_ATTR_TRACKING_GENERATOR_MODULATION_FREQUENCY_OFFSET) Tracking Generator Modulation Output Level (RSEMI_ATTR_TRACKING_GENERATOR_MODULATION_OUTPUT_LEVEL) Tracking Generator Modulation Level Offset (RSEMI_ATTR_TRACKING_GENERATOR_MODULATION_LEVEL_OFFSET) Tracking Generator Power Mode (RSEMI_ATTR_TRACKING_GENERATOR_POWER_MODE) Tracking Generator Power Start (RSEMI_ATTR_TRACKING_GENERATOR_POWER_START) Tracking Generator Power Stop (RSEMI_ATTR_TRACKING_GENERATOR_POWER_STOP) RF Switch Network Address (RSEMI_ATTR_RF_SWITCH_NETWORK_ADDRESS) RF Switch Comment (RSEMI_ATTR_RF_SWITCH_COMMENT) RF Switch Command (RSEMI_ATTR_RF_SWITCH_COMMAND) RF Switch Command Execute (RSEMI_ATTR_RF_SWITCH_COMMAND_EXECUTE) RF Switch Name (RSEMI_ATTR_RF_SWITCH_NAME) RF Switch Input (RSEMI_ATTR_RF_SWITCH_INPUT) RF Switch Delete Dataset (RSEMI_ATTR_RF_SWITCH_DELETE) RF Switch Load (RSEMI_ATTR_RF_SWITCH_LOAD) RF Switch OPC (RSEMI_ATTR_RF_SWITCH_OP_C) RF Switch SCPI (RSEMI_ATTR_RF_SWITCH_SCPI) RF Switch Select (RSEMI_ATTR_RF_SWITCH_SELECT) RF Switch Store (RSEMI_ATTR_RF_SWITCH_STORE) RF Switch Delay (RSEMI_ATTR_RF_SWITCH_DELAY) RF Switch Range Command (RSEMI_ATTR_RF_SWITCH_RANGE_COMMAND) RF Switch Range Command Execute (RSEMI_ATTR_RF_SWITCH_RANGE_COMMAND_EXECUTE) Transducer RF Input Factor State (RSEMI_ATTR_TRAN_INPUT_STATE) Get Active Transducer RF Input Factor Name (RSEMI_ATTR_TRAN_INPUT_ACT_NAME) Transducer Set RF Input State (RSEMI_ATTR_TSET_INPUT_STATE) Get Active Transducer Set RF Input (RSEMI_ATTR_TSET_INPUT_ACTIVE) Service Calibration Automatic Power Reduction (RSEMI_ATTR_SERVICE_CAL_AUTO_POWER_REDUCTION) Service Calibration Kit Additional Directory

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		<p>(RSEMI_ATTR_SERVICE_CAL_KIT_ADDITIONAL_DIRECTORY)</p> <p>Service Calibration Frequency Microwave (RSEMI_ATTR_SERVICE_CAL_FREQ_MICROWAVE)</p> <p>Clear Remote Errors (RSEMI_ATTR_SYST_ERR_CLEAR_REMOTE)</p> <p>Display Remote Errors (RSEMI_ATTR_SYST_DISPLAY_REMOTE_ERRORS)</p> <p>System Preset Mode (RSEMI_ATTR_SYSTEM_PRESET_MODE)</p> <p>Calibration Auto Averaging (RSEMI_ATTR_CALIBRATION_AUTO_AVERAGING)</p> <p>Logging (RSEMI_ATTR_LOGGING)</p> <p>Operation Complete (OPC) Timeout (RSEMI_ATTR_OPC_TIMEOUT)</p> <p>Query OPC (RSEMI_ATTR_QUERY_OPC)</p> <p>Visa Timeout (RSEMI_ATTR_VISA_TIMEOUT)</p> <p>Process All Previous Commands (RSEMI_ATTR_PROCESS_ALL_PREVIOUS_COMMANDS)</p> <p>Visa Manufacturer (RSEMI_ATTR_VISA_MANUFACTURER)</p> <p>Clear Status (RSEMI_ATTR_CLEAR_STATUS)</p> <p>Option Checking (RSEMI_ATTR_OPTION_CHECKING)</p> <p>Modified attributes:</p> <p>Power User-defined Standard (RSEMI_ATTR_MEAS_POW_USER_STANDARD) - Access was modified. Now write only.</p> <p>ACP User Standard (RSEMI_ATTR_ACP_USER_STD_SET) - Access was modified. Now write only.</p> <p>Marker Amplitude (RSEMI_ATTR_MARKER_AMPLITUDE) - Changed to read/write.</p> <p>Hcopy Print (RSEMI_ATTR_HCOPY_PRINT) - Short command was modified.</p> <p>Hcopy Print Next (RSEMI_ATTR_HCOPY_PRINT_NEXT) - Short command was modified.</p> <p>Modified Range Tables:</p> <p>rsemi_rngFrequencyMode.RSEMI_VAL_FREQUENCY_MODE_FIX - RSEMI_ATTR_FREQUENCY_MODE: Command changed ("CW", "FIX")</p> <p>rsemi_rngFrequencyScanMeasurementTime - RSEMI_ATTR_FREQUENCY_SCAN_MEASUREMENT_TIME: Range changed to <0.001;100.0></p> <p>rsemi_rngPrescanningLISNVNetworkType - RSEMI_ATTR_PRESCANNING_LISN_V_NETWORK_TYPE: New items: RSEMI_VAL_PRESCAN_NETWORK_TYPE_ENV432</p> <p>rsemi_rngBargraphMeasurementTime - RSEMI_ATTR_BARGRAPH_MEASUREMENT_TIME: Range changed to <100.0e-06;100.0></p> <p>rsemi_rngAnalogDemodulationState - RSEMI_ATTR_ANALOG_DEMODULATION_STATE: New items: RSEMI_VAL_ANALOG_DEMODULATION_IF, RSEMI_VAL_ANALOG_DEMODULATION_VIDEO</p> <p>rsemi_rngPersisColorUpper - RSEMI_ATTR_PSPEM_COLOR_UPPER: Range changed to <0.011;100></p> <p>rsemi_rngPersisColorLower - RSEMI_ATTR_PSPEM_COLOR_LOWER: Range changed to <0;65.61></p> <p>rsemi_rngLinLog - RSEMI_ATTR_SIGNAL_OUTPUT_MODE, RSEMI_ATTR_SIGNAL_OUTPUT_GAIN_MODE, RSEMI_ATTR_HORIZONTAL_SCALE, RSEMI_ATTR_TRACE_MATH_MODE, RSEMI_LIMIT_CONTROL_SPACING, RSEMI_LIMIT_LOWER_SPACING, RSEMI_LIMIT_UPPER_SPACING, RSEMI_ATTR_TRAN_SCALING, RSEMI_ATTR_TFAC_SCALING: New items: RSEMI_VAL_AUTOGAIN</p> <p>rsemi_rngMeasPowerSelect - RSEMI_ATTR_MEAS_POW_SELECT: New items: RSEMI_VAL_MEAS_POW_AOBW, RSEMI_VAL_MEAS_POW_TPOW</p> <p>rsemi_rngExtGateSource.RSEMI_VAL_EGAT_SOUR_EXT3 - RSEMI_ATTR_EXTERNAL_GATE_SIGNAL_SOURCE: Command changed ("EXT3", "Ext3")</p> <p>rsemi_rngExtGateSource - RSEMI_ATTR_EXTERNAL_GATE_SIGNAL_SOURCE: New items:</p>

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		<p>RSEMI_VAL_EGAT_SOUR_EXT4</p> <p>rsemi_rngTriggerSource - RSEMI_ATTR_TRIGGER_SOURCE: New items: RSEMI_VAL_TRG_EXT4</p> <p>rsemi_rngBandPowerMode - RSEMI_ATTR_MARKER_BAND_POWER_MODE, RSEMI_ATTR_DELTA_MARKER_BAND_POWER_MODE: New items: RSEMI_VAL_BPOWER_RPOW</p> <p>rsemi_rngresultdispay - RSEMI_ATTR_RESULT_DISPLAY: New items: RSEMI_VAL_BARGRAPH, RSEMI_VAL_IF_ANALYSIS, RSEMI_VAL_NONE</p> <p>rsemi_rngMeasStatProbability.RSEMI_VAL_SSTAT_PROB_0_01 - Changed discrete value from 0 to 3</p> <p>rsemi_rngMeasStatProbability.RSEMI_VAL_SSTAT_PROB_0_1 - Changed discrete value from 1 to 0</p> <p>rsemi_rngMeasStatProbability.RSEMI_VAL_SSTAT_PROB_1 - Changed discrete value from 2 to 1</p> <p>rsemi_rngMeasStatProbability.RSEMI_VAL_SSTAT_PROB_10 - Changed discrete value from 3 to 2</p>
2.26.0	02/2015	<p>* Support for ESR version 2.26 added</p> <p>* Support for FSWT version 1.20 added</p> <p>* Express VI with the support for QuickDrop SCPI command searcher</p> <p>New VIs:</p> <p>Configure Instrument Coupling.vi</p> <p>Test Report Default.vi</p> <p>Test Report tContents Configuration.vi</p> <p>Test Report Header Line.vi</p> <p>Test Report Header Logo.vi</p> <p>Test Report Title.vi</p> <p>Test Report Template Operations.vi</p> <p>Test Report Template Catalog.vi</p> <p>Test Report Data Sets Configuration.vi</p> <p>Test Report Data Sets Operation.vi</p> <p>Test Report Data Set Select.vi</p> <p>Hardcopy Output.vi</p> <p>Configure Sweep Optimization.vi</p> <p>Duplicate Measurement Channel.vi</p> <p>Replace Measurement Channel.vi</p> <p>Rename Measurement Channel.vi</p> <p>Preset Measurement Channel.vi</p> <p>Query All Measurement Channels.vi</p> <p>Configure AC Cutoff Frequency.vi</p> <p>Configure AM Output.vi</p> <p>Configure FM Output.vi</p> <p>Configure IF Output.vi</p> <p>Configure Low Pass Filter.vi</p> <p>Configure Output Coupling.vi</p> <p>Configure Output Voltage.vi</p> <p>Configure PM Output.vi</p>

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		Configure Probe Power Supply.vi Configure Trigger Input.vi Configure Trigger Output.vi Configure Video Output.vi Generate Trigger Pulse.vi Query IF Output Sideband.vi Configure Trace Export.vi Configure IQ Average Power Consumption.vi Configure IQ Bandwidth.vi Configure IQ FFT Mode.vi Configure IQ Maximum Bandwidth.vi Query IQ Average Power Consumption Result.vi Trace IQ Swap IQ.vi Linking To Another Marker.vi Linking Delta Marker To Marker.vi Audio Output Maximum Volume.vi Audio Output Mute.vi Configure Reference Frequency Input.vi Configure Reference Frequency Output.vi Configure Secure User Mode.vi Query Frontend Temperature.vi System Preamplifier Option.vi Configure IQ Power Trigger.vi Configure Trigger Dropout Time.vi Configure Preselector Bandpass Filter Frequency.vi Configure Preselector Highpass Lowpass Filter Frequency.vi Configure Preselector Mode.vi Configure Preselector State.vi Configure Amplitude RF Input Impedance.vi Configure Attenuation Protection.vi Configure Highpass Filter.vi Configure Preamplifier Value.vi Configure RF Input State.vi Input Protection Reset.vi Enable Trace Limit Check.vi Add Window.vi Configure Splitter Position.vi Query Window Index.vi Query Window Name.vi Query Windows List.vi Remove Window.vi

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		Replace Window.vi Configure Display Channel Bar State.vi Configure Display Multi View State.vi Abort Sequencer.vi Configure Sequencer Mode.vi Configure Sequencer State.vi Initiate Sequencer.vi Refresh Sequencer.vi Configure MSR Power Measurement.vi Configure MSR Number Of Subblocks.vi Configure MSR Subblock Definition.vi Configure MSR Tx Channel Definition.vi Query MSR Tx Channel Name.vi Configure MSR Gap Channel.vi Configure MSR Gap Limit Checking.vi Query MSR Gap Limit Checking.vi Query ACP Gap Channel Limit Check Results.vi Configure Spurious Emissions Sweep List Preamplifier Level.vi Configure MSR Settings.vi MSR Apply To SEM.vi Configure SEM Subblock Range Minimum Sweep Points.vi Configure SEM Subblock Range Rel Limit Start Func.vi Configure SEM Subblock Range Rel Limit Stop Func.vi Configure SEM Subblock Range Transducer Factor.vi Configure SEM Subblock Range Bandwidth.vi Configure SEM Subblock Range Filter Type.vi Configure SEM Subblock Range Limits.vi Configure SEM Subblock Range Multi Limit Calc.vi Configure SEM Subblock Range Reference Level.vi Configure SEM Subblock Range RF Attenuation.vi Configure SEM Subblock Range Start Stop.vi Configure SEM Subblock Range Sweep Time.vi Get SEM Subblock Range Count.vi SEM Subblock Delete Range.vi SEM Subblock Insert New Range.vi Configure Fast SEM Subblock.vi Configure SEM Subblock Center Frequency.vi Configure SEM Subblock Count.vi Configure SEM Subblock Preset Standard.vi Configure SEM Subblock Reference Range.vi Query SEM Subblock Reference Range Position.vi

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		Restore SEM Subblock Standard Files.vi Store SEM Subblock Preset Settings.vi Configure Analog Demodulation Result Unit.vi Configure Analog Baseband Fullscale Level.vi Configure Analog Baseband Input Parameters.vi Receiver Measurement Sequences.vi Configure Frequency Center Coupling Factor.vi Configure Frequency Center Step Size Auto.vi Configure Frequency Center Step Size Type.vi Configure Marker Coupling Use Last Scan.vi Configure Limit Line Trace Check.vi Configure Spectrogram State.vi Configure Receiver IF Power Trigger.vi Configure Receiver RF Power Trigger.vi Configure Receiver Time Trigger.vi Configure Receiver Trigger Offset.vi Configure Frequency Scan Range Preamplifier Gain.vi Configure External Generator GPIB.vi Data Set Store Mode.vi Configure Calibration Frequency MW.vi Configure Calibration Frequency RF.vi Set Status Register Value.vi Get Status Register Value.vi New attributes: Spectrum Analyzer Number of Sweeps (RSEMI_ATTR_SAN_NUM_OF_SWEEPS) Preset Measurement Channel (RSEMI_ATTR_PRESET_MEASUREMENT_CHANNEL) Select Measurement Channel (RSEMI_ATTR_SELECT_MEASUREMENT_CHANNEL) Duplicate Measurement Channel (RSEMI_ATTR_DUPLICATE_MEASUREMENT_CHANNEL) Delete Measurement Channel (RSEMI_ATTR_DELETE_MEASUREMENT_CHANNEL) Auto Adjust Level Measurement Time FSWT (RSEMI_ATTR_AUTO_ADJUST_LEVEL_MEAS_TIME_FSWT) Auto Adjust Level Measurement Time Mode FSWT (RSEMI_ATTR_AUTO_ADJUST_LEVEL_MEAS_TIME_MODE_FSWT) Auto Adjust Hysteresis Lower (RSEMI_ATTR_AUTO_ADJUST_HYSTERSIS_LOWER) Auto Adjust Hysteresis Upper (RSEMI_ATTR_AUTO_ADJUST_HYSTERSIS_UPPER) Output Link (RSEMI_ATTR_SIGNAL_OUTPUT_LINK) IF Output Frequency (RSEMI_ATTR_IF_OUTPUT_FREQUENCY) IF Output Sideband (RSEMI_ATTR_IF_OUTPUT_SIDE BAND) Video Output Mode (RSEMI_ATTR_SIGNAL_OUTPUT_MODE) Video Gain Mode (RSEMI_ATTR_SIGNAL_OUTPUT_GAIN_MODE) Video Gain Value (RSEMI_ATTR_SIGNAL_OUTPUT_GAIN_VALUE) Coupling (RSEMI_ATTR_SIGNAL_OUTPUT_COUPLING)

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		Scale (RSEMI_ATTR_SIGNAL_OUTPUT_SCALE) AC Cutoff Frequency (RSEMI_ATTR_SIGNAL_OUTPUT_AC_CUTOFF_FREQUENCY) Low Pass Filter State (RSEMI_ATTR_SIGNAL_OUTPUT_LOW_PASS_FILTER_ENABLED) Low Pass Filter Frequency (RSEMI_ATTR_SIGNAL_OUTPUT_LOW_PASS_FILTER_FREQUENCY) Phones State (RSEMI_ATTR_SIGNAL_OUTPUT_PHONES_ENABLED) Probe Power Supply State (RSEMI_ATTR_SIGNAL_OUTPUT_PROBE_POWER_ENABLED) Output Trigger Direction (RSEMI_ATTR_SIGNAL_OUTPUT_TRIGGER_DIRECTION) Output Trigger Level (RSEMI_ATTR_SIGNAL_OUTPUT_TRIGGER_LEVEL) Output Trigger Type (RSEMI_ATTR_SIGNAL_OUTPUT_TRIGGER_TYPE) Output Trigger Pulse (RSEMI_ATTR_SIGNAL_OUTPUT_TRIGGER_PULSE) Output Trigger Pulse Length (RSEMI_ATTR_SIGNAL_OUTPUT_TRIGGER_PULSE_LENGTH) Marker Link To Another Marker (RSEMI_ATTR_MARKER_LINK_TO_MARKER) Delta Marker Peak (RSEMI_ATTR_REF_MARKER_PEAK) Delta Marker Peak Next (RSEMI_ATTR_REF_MARKER_PEAK_NEXT) Delta Marker Peak Next Right (RSEMI_ATTR_REF_MARKER_PEAK_NEXT_RIGHT) Delta Marker Peak Next Left (RSEMI_ATTR_REF_MARKER_PEAK_NEXT_LEFT) Delta Marker Minimum (RSEMI_ATTR_REF_MARKER_MIN) Delta Marker Minimum Next (RSEMI_ATTR_REF_MARKER_MIN_NEXT) Delta Marker Minimum Next Right (RSEMI_ATTR_REF_MARKER_MIN_NEXT_RIGHT) Delta Marker Minimum Next Left (RSEMI_ATTR_REF_MARKER_MIN_NEXT_LEFT) Delta Marker State (RSEMI_ATTR_REF_MARKER_STATE) Delta Marker Mode (RSEMI_ATTR_REF_MARKER_MODE) Delta Marker Position (RSEMI_ATTR_REF_MARKER_POSITION) Delta Marker Relative Position (RSEMI_ATTR_REF_MARKER_REL_POSITION) Delta Marker Amplitude (RSEMI_ATTR_REF_MARKER_AMPLITUDE) Delta Marker Assign Trace (RSEMI_ATTR_REF_MARKER_TRACE) Delta Marker Reference Marker (RSEMI_ATTR_DMARKER_REFERENCE_MARKER) Delta Marker All Off (RSEMI_ATTR_REF_MARKER_AOFF) Delta Marker Link To Another Marker (RSEMI_ATTR_DELTA_MARKER_LINK_TO_MARKER) Sweep Duration (RSEMI_ATTR_SWEEP_DURATION) Sweep Optimization (RSEMI_ATTR_SWEEP_OPTIMIZATION) Reference Oscillator Loop Bandwidth (RSEMI_ATTR_ROSC_LOOP_BANDWIDTH) Reference Frequency Output 100MHz Enabled (RSEMI_ATTR_ROSC_O100_ENABLED) Reference Frequency Output 640MHz Enabled (RSEMI_ATTR_ROSC_O640_ENABLED) Reference Frequency Sync Output Enabled (RSEMI_ATTR_ROSC_SYNC_ENABLED) Reference Oscillator Tuning Range (RSEMI_ATTR_ROSC_TUNING_RANGE) Trace Export All (RSEMI_ATTR_TRACE_EXPORT_ALL) Trace Export Header (RSEMI_ATTR_TRACE_EXPORT_HEADER) Trigger Dropout Time (RSEMI_ATTR_TRIGGER_DROPOUT_TIME) Trigger IQ Power Level (RSEMI_ATTR_TRIGGER_IQP_LEVEL) Trigger Direction (RSEMI_ATTR_TRIGGER_DIRECTION)

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		Trigger Output Type (RSEMI_ATTR_TRIGGER_OUTPUT_TYPE) Trigger Level (RSEMI_ATTR_TRIGGER_LEVEL) Trigger Pulse Length (RSEMI_ATTR_TRIGGER_PULSE_LENGTH) Trigger Pulse Generate (RSEMI_ATTR_TRIGGER_PULSE_GENERATE) External Trigger Level Port (RSEMI_ATTR_EXTERNAL_TRIGGER_LEVEL_PORT) Conversion Loss Catalog (RSEMI_ATTR_CVL_CATALOG) Amplitude Preselector Mode (RSEMI_ATTR_INP_PRESELECTOR_MODE) Amplitude Preselector Filter State (RSEMI_ATTR_INP_PRESELECTOR_FILTER_ENABLED) Amplitude Preselector Filter Type (RSEMI_ATTR_INP_PRESELECTOR_FILTER_TYPE) Amplitude Preselector Filter Lowpass Frequency (RSEMI_ATTR_INP_PRESELECTOR_FILTER_LPAS_FREQ) Amplitude Preselector Filter Highpass Frequency (RSEMI_ATTR_INP_PRESELECTOR_FILTER_HPAS_FREQ) Amplitude Preamplifier Level (RSEMI_ATTR_AMPL_PREAMPLIFIER_LEVEL) Amplitude Input Protection Reset (RSEMI_ATTR_AMPL_PROTECTION_RESET) Amplitude Input Protection State (RSEMI_ATTR_AMPL_PROTECTION_ENABLED) Amplitude HIGHPASS Filter State (RSEMI_ATTR_AMPL_HIGHPASS_FILTER) Amplitude RF Input (RSEMI_ATTR_AMPL_RF_INPUT) Limit Line Active (RSEMI_ATTR_LIMIT_LINE_ACTIVE) Display Annotation Channel Bar Enabled (RSEMI_ATTR_DISP_CHANNEL_BAR_STATE) Display Multi View Enabled (RSEMI_ATTR_DISP_MULTIVIEW_ENABLED) Display Format (RSEMI_ATTR_DISP_FORMAT) Configure Display Unit Power (RSEMI_ATTR_DISP_UNIT_POWER) Display Auto Scaling (RSEMI_ATTR_DISP_TRACE_Y_AUTO) Display Theme Catalog (RSEMI_ATTR_DISP_THEME_CATALOG) Display Multiple Zoom State (RSEMI_ATTR_DISPLAY_MULTIPLE_ZOOM_STATE) Layout Window Remove (RSEMI_ATTR_LAYOUT_WINDOW_REMOVE) Layout Window List (RSEMI_ATTR_LAYOUT_WINDOW_LIST) Layout Query Window Type (RSEMI_ATTR_LAYOUT_QUERY_WINDOW_TYPE) Layout Query Window Name (RSEMI_ATTR_LAYOUT_QUERY_WINDOW_NAME) Audio Output Maximum Volume (RSEMI_ATTR_AUDIO_OUTPUT_MAXIMUM_VOLUME) Audio Output Mute (RSEMI_ATTR_AUDIO_OUTPUT_MUTE) Frontend Temperature (RSEMI_ATTR_FRONTEND_TEMPERATURE) System Preamplifier Option (RSEMI_ATTR_SYST_PREAMPLIFIER_OPTION) Secure User Mode (RSEMI_ATTR_SECURE_USER_MODE) Coupling Attenuation (RSEMI_ATTR_COUPLING_ATTENUATION) Coupling Bandwidth (RSEMI_ATTR_COUPLING_BANDWIDTH) Coupling Center (RSEMI_ATTR_COUPLING_CENTER) Coupling Demodulation (RSEMI_ATTR_COUPLING_DEMODULATION) Coupling Gain (RSEMI_ATTR_COUPLING_GAIN) Coupling Limit (RSEMI_ATTR_COUPLING_LIMIT) Coupling Marker (RSEMI_ATTR_COUPLING_MARKER)

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		Coupling Preselector (RSEMI_ATTR_COUPLING_PRESELECTOR) Coupling Span (RSEMI_ATTR_COUPLING_SPAN) Init Sequencer (RSEMI_ATTR_INIT_SEQUENCER) Abort Sequencer (RSEMI_ATTR_ABORT_SEQUENCER) Refresh Sequencer (RSEMI_ATTR_REFRESH_SEQUENCER) Sequencer State (RSEMI_ATTR_SEQUENCER_STATE) Sequencer Mode (RSEMI_ATTR_SEQUENCER_MODE) Power User-defined Standard (RSEMI_ATTR_MEAS_POW_USER_STANDARD) Power Standard Catalog (RSEMI_ATTR_MEAS_POW_STANDARD_CATALOG) MSR Number Of Subblocks (RSEMI_ATTR_MSR_NUMBER_OF_SUBBLOCKS) MSR Gap Channel Spacing (RSEMI_ATTR_MSR_GAP_CHANNEL_SPACING) MSR Gap Channel Bandwidths (RSEMI_ATTR_MSR_GAP_CHANNEL_BANDWIDTHS) MSR Gap Weighting Filter State (RSEMI_ATTR_MSR_GAP_WEIGHTING_FILTER_STATE) MSR Gap Weighting Filter Roll Off Factor (RSEMI_ATTR_MSR_GAP_WEIGHTING_FILTER_ROLL_OFF_FACTOR) MSR Gap Limit Relative State (RSEMI_ATTR_MSR_GAP_LIMIT_RELATIVE_STATE) MSR Gap Limit Relative (RSEMI_ATTR_MSR_GAP_LIMIT_RELATIVE) MSR Gap Limit Absolute State (RSEMI_ATTR_MSR_GAP_LIMIT_ABSOLUTE_STATE) MSR Gap Limit Absolute (RSEMI_ATTR_MSR_GAP_LIMIT_ABSOLUTE) MSR Subblock Center Frequency (RSEMI_ATTR_MSR_SUBBLOCK_CENTER_FREQUENCY) MSR Subblock RF Bandwidth (RSEMI_ATTR_MSR_SUBBLOCK_RF_BANDWIDTH) MSR Subblock Tx Channel Count (RSEMI_ATTR_MSR_SUBBLOCK_TX_CHANNEL_COUNT) MSR Tx Center Frequency (RSEMI_ATTR_MSR_TX_CENTER_FREQUENCY) MSR Tx Technology (RSEMI_ATTR_MSR_TX_TECHNOLOGY) MSR Tx Bandwidth (RSEMI_ATTR_MSR_TX_BANDWIDTH) MSR Tx Weighting Filter State (RSEMI_ATTR_MSR_TX_WEIGHTING_FILTER_STATE) MSR Tx Weighting Filter Roll Off Factor (RSEMI_ATTR_MSR_TX_WEIGHTING_FILTER_ROLL_OFF_FACTOR) MSR Tx Channel Name (RSEMI_ATTR_MSR_TX_CHANNEL_NAME) Power Alternate Channel Weighting Filter State (RSEMI_ATTR_POWER_ALT_CHANNEL_WEIGHTING_FILTER_STATE) Power Alternate Channel Weighting Filter Alpha Value (RSEMI_ATTR_POWER_ALT_CHANNEL_WEIGHTING_FILTER_ALPHA_VALUE) Power Channel Spacing (RSEMI_ATTR_MEAS_POW_CHAN_SPACING) Power Channel Bandwidth (RSEMI_ATTR_POW_CHANNEL_BANDWIDTH) Power Channel Weighting Filter (RSEMI_ATTR_POWER_CHANNEL_WEIGHTING_FILTER) Power Channel Weighting Filter Alpha (RSEMI_ATTR_POWER_CHANNEL_WEIGHTING_FILTER_ALPHA) Modulation Depth Search (RSEMI_ATTR_MEAS_MODDEPTH_SEARCH) SE Mark All Peaks (RSEMI_ATTR_SE_MARK_ALL_PEAKS) SE List Range Pre-amplifier Level (RSEMI_ATTR_SE_LIST_RANG_INP_GAIN_LEVEL) IQ Maximum Bandwidth Extension (RSEMI_ATTR_IQ_MAX_BANDWIDTH_EXTENSION)

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		IQ Maximum Bandwidth Value (RSEMI_ATTR_IQ_MAX_BANDWIDTH_VALUE) IQ Maximum Bandwidth Max (RSEMI_ATTR_IQ_MAX_BANDWIDTH_MAX) IQ Bandwidth Mode (RSEMI_ATTR_IQ_BANDWIDTH_MODE) IQ Bandwidth Resolution (RSEMI_ATTR_IQ_BANDWIDTH_RESOLUTION) IQ Swap IQ (RSEMI_ATTR_IQ_SWAP_IQ) IQ FFT Algorithm (RSEMI_ATTR_IQ_FFT_ALGORITHM) IQ FFT Length (RSEMI_ATTR_IQ_FFT_LENGTH) IQ FFT Window Length (RSEMI_ATTR_IQ_FFT_WIN_LENGTH) IQ FFT Window Overlap (RSEMI_ATTR_IQ_FFT_WIN_OVERLAP) IQ FFT Window Type (RSEMI_ATTR_IQ_FFT_WINDOW_TYPE) IQ Average Power Consumption State (RSEMI_ATTR_IQ_APC_STATE) IQ Average Power Consumption Factor A (RSEMI_ATTR_IQ_APC_FACTOR_A) IQ Average Power Consumption Factor B (RSEMI_ATTR_IQ_APC_FACTOR_B) IQ Average Power Consumption Result (RSEMI_ATTR_IQ_APC_RESULT) Spectrum Emission Mask Peak Search (RSEMI_ATTR_SEM_PEAK_SEARCH) Spectrum Emission Mask Subblock Center Frequency (RSEMI_ATTR_SEM_SUBBLOCK_CENTER_FREQUENCY) Spectrum Emission Mask Subblock Count (RSEMI_ATTR_SEM_SUBBLOCK_COUNT) Spectrum Emission Mask Power Reference Type (RSEMI_ATTR_SEM_SUBBLOCK_POWER_REF_TYPE) Spectrum Emission Mask Bandwidth (RSEMI_ATTR_SEM_SUBBLOCK_BANDWIDTH) Spectrum Emission Mask RRC Filter State (RSEMI_ATTR_SEM_SUBBLOCK_RRC_FILTER_STATE) Spectrum Emission Mask RRC Filter Alpha Value (RSEMI_ATTR_SEM_SUBBLOCK_RRC_FILTER_ALPHA_VALUE) Spectrum Emission Mask Reference Range Position (RSEMI_ATTR_SEM_SUBBLOCK_REF_RANGE_POSITION) Spectrum Emission Mask Fast SEM (RSEMI_ATTR_SEM_SUBBLOCK_FAST_SEM) Spectrum Emission Mask Range Count (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_COUNT) Spectrum Emission Mask MSR Band Category (RSEMI_ATTR_SEM_SUBBLOCK_MSR_BAND_CATEGORY) Spectrum Emission Mask MSR RF Bandwidth (RSEMI_ATTR_SEM_SUBBLOCK_MSR_RF_BANDWIDTH) Spectrum Emission Mask MSR GSM Present (RSEMI_ATTR_SEM_SUBBLOCK_MSR_GSM_PRESENT) Spectrum Emission Mask MSR LTE Present (RSEMI_ATTR_SEM_SUBBLOCK_MSR_LTE_PRESENT) Spectrum Emission Mask MSR Apply (RSEMI_ATTR_SEM_SUBBLOCK_MSR_APPLY) Spectrum Emission Mask Insert New Range (RSEMI_ATTR_SEM_SUBBLOCK_INSERT_NEW_RANGE) Spectrum Emission Mask Delete Range (RSEMI_ATTR_SEM_SUBBLOCK_DELETE_RANGE) Spectrum Emission Mask Range Frequency Start (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_FREQ_START) Spectrum Emission Mask Range Frequency Stop (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_FREQ_STOP) Spectrum Emission Mask Range Filter Type (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_FILTER_TYPE) Spectrum Emission Mask Range Bandwidth (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_BANDWIDTH) Spectrum Emission Mask Range Video Bandwidth (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_VBW)

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		<p>Spectrum Emission Mask Range Sweep Time Auto (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_SWEEP_TIME_AUTO)</p> <p>Spectrum Emission Mask Range Sweep Time (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_SWEEP_TIME)</p> <p>Spectrum Emission Mask Range Reference Level (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_REF_LEVEL)</p> <p>Spectrum Emission Mask Range Input Attenuation Auto (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_INPUT_ATTENUATION_AUTO)</p> <p>Spectrum Emission Mask Range Input Attenuation (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_INPUT_ATTENUATION)</p> <p>Spectrum Emission Mask Range Preamplifier (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_PREAMPLIFIER)</p> <p>Spectrum Emission Mask Range Preamplifier Level (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_PREAMPLIFIER_LEVEL)</p> <p>Spectrum Emission Mask Range Transducer (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_TRANSDUCER)</p> <p>Spectrum Emission Mask Range Multi Limit Calc (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_MULTILIMIT_CALC)</p> <p>Spectrum Emission Mask Range Minimum Sweep Points (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_MIN_SWEEP_POINTS)</p> <p>Spectrum Emission Mask Range Limit Check Type (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_LIMIT_CHECK_TYPE)</p> <p>Spectrum Emission Mask Range Start Frequency Absolute Limit (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_START_FREQ_ABS_LIMIT)</p> <p>Spectrum Emission Mask Range Stop Frequency Absolute Limit (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_STOP_FREQ_ABS_LIMIT)</p> <p>Spectrum Emission Mask Range Start Frequency Relative Limit (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_START_FREQ_REL_LIMIT)</p> <p>Spectrum Emission Mask Range Stop Frequency Relative Limit (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_STOP_FREQ_REL_LIMIT)</p> <p>Spectrum Emission Mask Range Start Frequency Relative Limit Absolute Max (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_START_FREQ_REL_LIMIT_ABS_MAX)</p> <p>Spectrum Emission Mask Range Start Frequency Relative Limit Function (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_START_FREQ_REL_LIMIT_FUNC)</p> <p>Spectrum Emission Mask Range Stop Frequency Relative Limit Absolute Max (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_STOP_FREQ_REL_LIMIT_ABS_MAX)</p> <p>Spectrum Emission Mask Range Stop Frequency Relative Limit Function (RSEMI_ATTR_SEM_SUBBLOCK_RANGE_STOP_FREQ_REL_LIMIT_FUNC)</p> <p>Spectrum Emission Mask Preset Standard (RSEMI_ATTR_SEM_SUBBLOCK_PRESET_STANDARD)</p> <p>Spectrum Emission Mask Restore Standard (RSEMI_ATTR_SEM_SUBBLOCK_RESTORE_STANDARD)</p> <p>Spectrum Emission Mask Store Preset (RSEMI_ATTR_SEM_SUBBLOCK_STORE_PRESET)</p> <p>Analog Demod Trigger Source (RSEMI_ATTR_ANALOG_DEMOD_TRIGGER_SOURCE)</p> <p>Analog Demod Trigger AM Level Abs (RSEMI_ATTR_ANALOG_DEMOD_TRIGGER_AM_LEVEL_ABS)</p> <p>Analog Demod Trigger AM Level Relative (RSEMI_ATTR_ANALOG_DEMOD_TRIGGER_AM_LEVEL_RELATIVE)</p> <p>Analog Demod Trigger FM Level (RSEMI_ATTR_ANALOG_DEMOD_TRIGGER_FM_LEVEL)</p> <p>Analog Demod Trigger PM Level (RSEMI_ATTR_ANALOG_DEMOD_TRIGGER_PM_LEVEL)</p> <p>Analog Demod Enabled (RSEMI_ATTR_ANALOG_DEMOD_ENABLED)</p>

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		Analog Demod AF Coupling (RSEMI_ATTR_ANALOG_DEMOD_AF_COUPLING) Analog Demod Meas Time (RSEMI_ATTR_ANALOG_DEMOD_MEAS_TIME) Analog Demod Bandwidth (RSEMI_ATTR_ANALOG_DEMOD_BANDWIDTH) Analog Demod Zoom Enabled (RSEMI_ATTR_ANALOG_DEMOD_ZOOM_ENABLED) Analog Demod Zoom Start (RSEMI_ATTR_ANALOG_DEMOD_ZOOM_START) Analog Demod Zoom Length Mode (RSEMI_ATTR_ANALOG_DEMOD_ZOOM_LENGTH_MODE) Analog Demod Zoom Length (RSEMI_ATTR_ANALOG_DEMOD_ZOOM_LENGTH) Analog Demod Squelch (RSEMI_ATTR_ANALOG_DEMOD_SQUELCH) Analog Demod Squelch Level (RSEMI_ATTR_ANALOG_DEMOD_SQUELCH_LEVEL) Analog Demod Phase Wrap (RSEMI_ATTR_ANALOG_DEMOD_PHASE_WRAP) Analog Demod Zero Phase Ref Point (RSEMI_ATTR_ANALOG_DEMOD_ZERO_PHASE_REF_POINT) Analog Demod Preset Load (RSEMI_ATTR_ANALOG_DEMOD_PRESET_LOAD) Analog Demod Preset Store (RSEMI_ATTR_ANALOG_DEMOD_PRESET_STORE) Analog Demod Preset Restore (RSEMI_ATTR_ANALOG_DEMOD_PRESET_RESTORE) Analog Demod AF Center Frequency (RSEMI_ATTR_ANALOG_DEMOD_AF_CENTER_FREQUENCY) Analog Demod AF Span (RSEMI_ATTR_ANALOG_DEMOD_AF_SPAN) Analog Demod AF Start Frequency (RSEMI_ATTR_ANALOG_DEMOD_AF_START_FREQUENCY) Analog Demod AF Stop Frequency (RSEMI_ATTR_ANALOG_DEMOD_AF_STOP_FREQUENCY) Analog Demod AF Full Span (RSEMI_ATTR_ANALOG_DEMOD_AF_FULL_SPAN) Analog Demod RF Spectrum Resolution Bandwidth (RSEMI_ATTR_ANALOG_DEMOD_RF_SPECTRUM_RESOLUTION_BANDWIDTH) Analog Demod RF Spectrum Span (RSEMI_ATTR_ANALOG_DEMOD_RF_SPECTRUM_SPAN) Analog Demod RF Spectrum Zoom (RSEMI_ATTR_ANALOG_DEMOD_RF_SPECTRUM_ZOOM) Analog Demod Filter Frequency Highpass Enabled (RSEMI_ATTR_ANALOG_DEMOD_HIGH_PASS_AF_FILTER_ENABLED) Analog Demod Filter Frequency Highpass (RSEMI_ATTR_ANALOG_DEMOD_HIGH_PASS_FILTER_FREQUENCY) Analog Demod Filter Frequency Lowpass Enabled (RSEMI_ATTR_ANALOG_DEMOD_LOW_PASS_AF_FILTER_ENABLED) Analog Demod Filter Frequency Lowpass (RSEMI_ATTR_ANALOG_DEMOD_LOW_PASS_AF_FILTER_FREQUENCY) Analog Demod Filter Frequency Lowpass Relative (RSEMI_ATTR_ANALOG_DEMOD_LOW_PASS_FILTER_FREQUENCY_RELATIVE) Analog Demod Filter Frequency Highpass Manual (RSEMI_ATTR_ANALOG_DEMOD_FILTER_FREQUENCY_MANUAL_HIGHPASS) Analog Demod Filter Frequency Lowpass Manual (RSEMI_ATTR_ANALOG_DEMOD_FILTER_FREQUENCY_MANUAL_LOWPASS) Analog Demod Deemphasis Enabled (RSEMI_ATTR_ANALOG_DEMOD_DEEMPHASIS_ENABLED) Analog Demod Deemphasis Time Constant (RSEMI_ATTR_ANALOG_DEMOD_DEEMPHASIS_TIME_CONSTANT) Analog Demod Filter CCITT Weighting (RSEMI_ATTR_ANALOG_DEMOD_FILTER_CCITT_WEIGHTING) Analog Demod Filter CCIR Weighting (RSEMI_ATTR_ANALOG_DEMOD_FILTER_CCIR_WEIGHTING) Analog Demod Filter A Weighted Enabled (RSEMI_ATTR_ANALOG_DEMOD_FILTER_A_WEIGHTED_ENABLED)

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		Analog Demod Select Trace (RSEMI_ATTR_ANALOG_DEMOD_SELECT_TRACE) Analog Demodulation Result Unit (RSEMI_ATTR_ANALOG_DEMOD_RESULT_UNIT) Analog Demod Summary Result Value AM PPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_AM_PPEAK) Analog Demod Summary Result Value AM MPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_AM_MPEAK) Analog Demod Summary Result Value AM Middle (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_AM_MIDDLE) Analog Demod Summary Result Value AM RMS (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_AM_RMS) Analog Demod Summary Result Value FM PPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_FM_PPEAK) Analog Demod Summary Result Value FM MPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_FM_MPEAK) Analog Demod Summary Result Value FM Middle (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_FM_MIDDLE) Analog Demod Summary Result Value FM RMS (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_FM_RMS) Analog Demod Summary Result Value PM PPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_PM_PPEAK) Analog Demod Summary Result Value PM MPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_PM_MPEAK) Analog Demod Summary Result Value PM Middle (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_PM_MIDDLE) Analog Demod Summary Result Value PM RMS (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_VALUE_PM_RMS) Analog Demod Summary Result Relative Value AM PPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_AM_PPEAK) Analog Demod Summary Result Relative Value AM MPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_AM_MPEAK) Analog Demod Summary Result Relative Value AM Middle (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_AM_MIDDLE) Analog Demod Summary Result Relative Value AM RMS (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_AM_RMS) Analog Demod Summary Result Relative Value FM PPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_FM_PPEAK) Analog Demod Summary Result Relative Value FM MPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_FM_MPEAK) Analog Demod Summary Result Relative Value FM Middle (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_FM_MIDDLE) Analog Demod Summary Result Relative Value FM RMS (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_FM_RMS) Analog Demod Summary Result Relative Value PM PPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_PM_PPEAK) Analog Demod Summary Result Relative Value PM MPeak (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_PM_MPEAK) Analog Demod Summary Result Relative Value PM Middle

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		(RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_PM_MIDDLE) Analog Demod Summary Result Relative Value PM RMS (RSEMI_ATTR_ANALOG_DEMOD_SUMMARY_RESULT_REL_VALUE_PM_RMS) AM Detector Meas To Reference Value (RSEMI_ATTR_AM_DETECTOR_MEAS_TO_REF_VALUE) PM Detector Meas To Reference Value (RSEMI_ATTR_PM_DETECTOR_MEAS_TO_REF_VALUE) FM Detector Meas To Reference Value (RSEMI_ATTR_FM_DETECTOR_MEAS_TO_REF_VALUE) AM Detector State (RSEMI_ATTR_AM_DETECTOR_ENABLED) AM Detector Mode (RSEMI_ATTR_AM_DETECTOR_MODE) AM Detector Reference Value (RSEMI_ATTR_AM_DETECTOR_REF_VALUE) PM Detector State (RSEMI_ATTR_PM_DETECTOR_ENABLED) PM Detector Mode (RSEMI_ATTR_PM_DETECTOR_MODE) PM Detector Reference Value (RSEMI_ATTR_PM_DETECTOR_REF_VALUE) FM Detector State (RSEMI_ATTR_FM_DETECTOR_ENABLED) FM Detector Mode (RSEMI_ATTR_FM_DETECTOR_MODE) FM Detector Reference Value (RSEMI_ATTR_FM_DETECTOR_REF_VALUE) Baseband Input Balanced (RSEMI_ATTR_BB_INPUT_BALANCED) Baseband Input Signal Path (RSEMI_ATTR_BB_INPUT_SIGNAL_PATH) Baseband Fullscale Mode (RSEMI_ATTR_BB_FULLSCALE_MODE) Baseband Fullscale Level (RSEMI_ATTR_BB_FULLSCALE_LEVEL) Spectrogram Marker Search XY Minimum (RSEMI_ATTR_SPEM_MARKER_SEARCH_XY_MINIMUM) Spectrogram Marker Search XY Maximum (RSEMI_ATTR_SPEM_MARKER_SEARCH_XY_MAXIMUM) Spectrogram Marker Search Y Minimum (RSEMI_ATTR_SPEM_MARKER_SEARCH_Y_MINIMUM) Spectrogram Marker Search Y Minimum Next (RSEMI_ATTR_SPEM_MARKER_SEARCH_Y_MINIMUM_NEXT) Spectrogram Marker Search Y Minimum Next Below (RSEMI_ATTR_SPEM_MARKER_SEARCH_Y_MINIMUM_NEXT_BELOW) Spectrogram Marker Search Y Minimum Next Above (RSEMI_ATTR_SPEM_MARKER_SEARCH_Y_MINIMUM_NEXT_ABOVE) Spectrogram Marker Search Y Maximum (RSEMI_ATTR_SPEM_MARKER_SEARCH_Y_MAXIMUM) Spectrogram Marker Search Y Maximum Next (RSEMI_ATTR_SPEM_MARKER_SEARCH_Y_MAXIMUM_NEXT) Spectrogram Marker Search Y Maximum Next Below (RSEMI_ATTR_SPEM_MARKER_SEARCH_Y_MAXIMUM_NEXT_BELOW) Spectrogram Marker Search Y Maximum Next Above (RSEMI_ATTR_SPEM_MARKER_SEARCH_Y_MAXIMUM_NEXT_ABOVE) Spectrogram Delta Marker Frame Number (RSEMI_ATTR_SPEM_DMARKER_FRAME_NUMBER) Spectrogram Delta Marker Reference Marker (RSEMI_ATTR_SPEM_DMARKER_REFERENCE_MARKER) Spectrogram Delta Marker Search XY Minimum (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_XY_MINIMUM) Spectrogram Delta Marker Search XY Maximum (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_XY_MAXIMUM) Spectrogram Delta Marker Search Y Minimum (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_Y_MINIMUM)

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		Spectrogram Delta Marker Search Y Minimum Next (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_Y_MINIMUM_NEXT) Spectrogram Delta Marker Search Y Minimum Next Below (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_Y_MINIMUM_NEXT_BELOW) Spectrogram Delta Marker Search Y Minimum Next Above (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_Y_MINIMUM_NEXT_ABOVE) Spectrogram Delta Marker Search Y Maximum (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_Y_MAXIMUM) Spectrogram Delta Marker Search Y Maximum Next (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_Y_MAXIMUM_NEXT) Spectrogram Delta Marker Search Y Maximum Next Below (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_Y_MAXIMUM_NEXT_BELOW) Spectrogram Delta Marker Search Y Maximum Next Above (RSEMI_ATTR_SPEM_DELTA_MARKER_SEARCH_Y_MAXIMUM_NEXT_ABOVE) Receiver Measurement Sequences (RSEMI_ATTR_RECEIVER_MEASUREMENT_SEQUENCES) Frequency Center Step Auto (RSEMI_ATTR_FREQUENCY_CENTER_STEP_AUTO) Frequency Center Stepsize (RSEMI_ATTR_FREQUENCY_CENTER_STEPSIZE) Frequency Center Stepsize Factor (RSEMI_ATTR_FREQUENCY_CENTER_STEPSIZE_FACTOR) Frequency Center Stepsize Type (RSEMI_ATTR_FREQUENCY_CENTER_STEPSIZE_TYPE) Amplitude Minimum Level (RSEMI_ATTR_AMP_MINIMUM_LEVEL) Amplitude Scaling Type (RSEMI_ATTR_AMP_SCALING_TYPE) Frequency Scan Axis Scale (RSEMI_ATTR_FREQ_SCAN_AXIS_SCALE) Frequency Scan Range Preamp Gain (RSEMI_ATTR_FREQUENCY_SCAN_RANGE_PREAMPLIFIER_GAIN) Marker Coupling Use Last Scan Enabled (RSEMI_ATTR_MARKER_USE_LAST_SCAN_ENABLED) Delta Marker State (RSEMI_ATTR_DMARKER_STATE) Delta Marker Trace (RSEMI_ATTR_DMARKER_TRACE) Delta Marker All Off (RSEMI_ATTR_DMARKER_AOFF) Marker Link (RSEMI_ATTR_DMARKER_LINK) Delta Marker Mode (RSEMI_ATTR_DMARKER_MODE) Delta Marker Position (RSEMI_ATTR_DMARKER_POSITION) Delta Marker Rel Position (RSEMI_ATTR_DMARKER_REL_POSITION) Delta Marker Amplitude (RSEMI_ATTR_DMARKER_AMPLITUDE) Delta Marker Peak (RSEMI_ATTR_DMARKER_PEAK) Delta Marker Peak Next (RSEMI_ATTR_DMARKER_PEAK_NEXT) Delta Marker Peak Next Left (RSEMI_ATTR_DMARKER_PEAK_NEXT_LEFT) Delta Marker Peak Next Right (RSEMI_ATTR_DMARKER_PEAK_NEXT_RIGHT) Delta Marker Min (RSEMI_ATTR_DMARKER_MIN) Delta Marker Min Next (RSEMI_ATTR_DMARKER_MIN_NEXT) Delta Marker Min Next Right (RSEMI_ATTR_DMARKER_MIN_NEXT_RIGHT) Delta Marker Min Next Left (RSEMI_ATTR_DMARKER_MIN_NEXT_LEFT) Bargraph Level Minimum (RSEMI_ATTR_BARGRAPH_LEVEL_MINIMUM) Bargraph Level Maximum (RSEMI_ATTR_BARGRAPH_LEVEL_MAXIMUM)

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		Limit Line X Scaling (RSEMI_ATTR_LIMIT_LINE_SCALING_X) Limit Line Y Scaling Lower (RSEMI_ATTR_LIMIT_LINE_SCALING_LOWER) Limit Line Y Scaling Upper (RSEMI_ATTR_LIMIT_LINE_SCALING_UPPER) Limit Line Margin Lower (RSEMI_ATTR_LIMIT_LINE_MARGIN_LOWER) Limit Line Margin Upper (RSEMI_ATTR_LIMIT_LINE_MARGIN_UPPER) Limit Line X Offset (RSEMI_ATTR_LIMIT_LINE_OFFSET_X) Limit Line Y Offset Lower (RSEMI_ATTR_LIMIT_LINE_OFFSET_LOWER) Limit Line Y Offset Upper (RSEMI_ATTR_LIMIT_LINE_OFFSET_UPPER) Limit Line X Shift (RSEMI_ATTR_LIMIT_LINE_SHIFT_X) Limit Line Y Shift Lower (RSEMI_ATTR_LIMIT_LINE_SHIFT_LOWER) Limit Line Y Shift Upper (RSEMI_ATTR_LIMIT_LINE_SHIFT_UPPER) Limit Line X Spacing (RSEMI_ATTR_LIMIT_LINE_SPACING_X) Limit Line Spacing Lower (RSEMI_ATTR_LIMIT_LINE_SPACING_LOWER) Limit Line Spacing Upper (RSEMI_ATTR_LIMIT_LINE_SPACING_UPPER) Limit Line Visibility Lower (RSEMI_ATTR_LIMIT_LINE_VISIBILITY_LOWER) Limit Line Visibility Upper (RSEMI_ATTR_LIMIT_LINE_VISIBILITY_UPPER) Limit Line Threshold Lower (RSEMI_ATTR_LIMIT_LINE_THRESHOLD_LOWER) Limit Line Threshold Upper (RSEMI_ATTR_LIMIT_LINE_THRESHOLD_UPPER) Limit Line Trace Check Enabled (RSEMI_ATTR_LIMIT_LINE_TRACE_CHECK_ENABLED) Spectrogram State (RSEMI_ATTR_SGRAM_STATE) Spectrogram Clear (RSEMI_ATTR_SGRAM_CLEAR) Spectrogram Select Frame (RSEMI_ATTR_SGRAM_SELECT_FRAME) Spectrogram Frames In Memory (RSEMI_ATTR_SGRAM_FRAMES_IN_MEMORY) Spectrogram Time Stamp (RSEMI_ATTR_SGRAM_TIME_STAMP) Spectrogram Color (RSEMI_ATTR_SGRAM_COLOR) Spectrogram Marker Frame (RSEMI_ATTR_SGRAM_MARKER_FRAME) Spectrogram Marker Frame Time (RSEMI_ATTR_SGRAM_MARKER_FRAME_TIME) Spectrogram Marker Search Area (RSEMI_ATTR_SGRAM_MARKER_SEARCH_AREA) Spectrogram Marker Maximum Level (RSEMI_ATTR_SGRAM_MARKER_MAXIMUM_LEVEL) Spectrogram Marker Minimum Level (RSEMI_ATTR_SGRAM_MARKER_MINIMUM_LEVEL) Spectrogram Marker Y Next Peak Above (RSEMI_ATTR_SGRAM_MARKER_Y_NEXT_PEAK_ABOVE) Spectrogram Marker Y Next Peak Below (RSEMI_ATTR_SGRAM_MARKER_Y_NEXT_PEAK_BELOW) Spectrogram Marker Y Next Peak (RSEMI_ATTR_SGRAM_MARKER_Y_NEXT_PEAK) Spectrogram Marker Y Peak (RSEMI_ATTR_SGRAM_MARKER_Y_PEAK) Spectrogram Marker Y Next Minimum Above (RSEMI_ATTR_SGRAM_MARKER_Y_NEXT_MINIMUM_ABOVE) Spectrogram Marker Y Next Minimum Below (RSEMI_ATTR_SGRAM_MARKER_Y_NEXT_MINIMUM_BELOW) Spectrogram Marker Y Next Minimum (RSEMI_ATTR_SGRAM_MARKER_Y_NEXT_MINIMUM) Spectrogram Marker Y Minimum (RSEMI_ATTR_SGRAM_MARKER_Y_MINIMUM) Spectrogram Delta Marker Frame (RSEMI_ATTR_SGRAM_DELTA_MARKER_FRAME) Spectrogram Delta Marker Frame Time (RSEMI_ATTR_SGRAM_DELTA_MARKER_FRAME_TIME)

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		<p>Spectrogram Delta Marker Search Area (RSEMI_ATTR_SGRAM_DELTA_MARKER_SEARCH_AREA)</p> <p>Spectrogram Delta Marker Maximum Level (RSEMI_ATTR_SGRAM_DELTA_MARKER_MAXIMUM_LEVEL)</p> <p>Spectrogram Delta Marker Minimum Level (RSEMI_ATTR_SGRAM_DELTA_MARKER_MINIMUM_LEVEL)</p> <p>Spectrogram Delta Marker Y Next Peak Above (RSEMI_ATTR_SGRAM_DELTA_MARKER_Y_NEXT_PEAK_ABOVE)</p> <p>Spectrogram Delta Marker Y Next Peak Below (RSEMI_ATTR_SGRAM_DELTA_MARKER_Y_NEXT_PEAK_BELOW)</p> <p>Spectrogram Delta Marker Y Next Peak (RSEMI_ATTR_SGRAM_DELTA_MARKER_Y_NEXT_PEAK)</p> <p>Spectrogram Delta Marker Y Peak (RSEMI_ATTR_SGRAM_DELTA_MARKER_Y_PEAK)</p> <p>Spectrogram Delta Marker Y Next Minimum Above (RSEMI_ATTR_SGRAM_DELTA_MARKER_Y_NEXT_MINIMUM_ABOVE)</p> <p>Spectrogram Delta Marker Y Next Minimum Below (RSEMI_ATTR_SGRAM_DELTA_MARKER_Y_NEXT_MINIMUM_BELOW)</p> <p>Spectrogram Delta Marker Y Next Minimum (RSEMI_ATTR_SGRAM_DELTA_MARKER_Y_NEXT_MINIMUM)</p> <p>Spectrogram Delta Marker Y Minimum (RSEMI_ATTR_SGRAM_DELTA_MARKER_Y_MINIMUM)</p> <p>Trigger Offset (RSEMI_ATTR_RECEIVER_TRIGGER_OFFSET)</p> <p>Trigger RF Power Level (RSEMI_ATTR_RECEIVER_TRIGGER_RFP_LEVEL)</p> <p>Trigger IF Power Level (RSEMI_ATTR_RECEIVER_TRIGGER_IFP_LEVEL)</p> <p>Trigger IF Power Holdoff (RSEMI_ATTR_RECEIVER_TRIGGER_IFP_HOLDOFF)</p> <p>Trigger IF Power Hysteresis (RSEMI_ATTR_RECEIVER_TRIGGER_IFP_HYSTERESIS)</p> <p>Time Interval (RSEMI_ATTR_RECEIVER_TRIGGER_TIME_INTERVAL)</p> <p>External Generator Interface Type (RSEMI_ATTR_EXT_GEN_INTERFACE_TYPE)</p> <p>External Generator IEEE Address (RSEMI_ATTR_EXT_GEN_IEEE_ADDR)</p> <p>External Generator Link Type (RSEMI_ATTR_EXT_GEN_INTF_TYPE)</p> <p>External Generator Type (RSEMI_ATTR_EXT_GEN_TYPE)</p> <p>External Generator Reference Oscillator (RSEMI_ATTR_EXT_GEN_ROSC_SOURCE)</p> <p>Transducer Factor Select Name (RSEMI_ATTR_TRAN_SEL_NAME)</p> <p>Transducer Factor Unit (RSEMI_ATTR_TRAN_UNIT)</p> <p>Transducer Factor Scaling (RSEMI_ATTR_TRAN_SCALING)</p> <p>Transducer Factor Comment (RSEMI_ATTR_TRAN_COMMENT)</p> <p>Transducer Factor State (RSEMI_ATTR_TRAN_STATE)</p> <p>Transducer Factor Catalog (RSEMI_ATTR_TRAN_CATALOG)</p> <p>Transducer Factor Delete (RSEMI_ATTR_TRAN_DELETE)</p> <p>Transducer Factor Display (RSEMI_ATTR_TRAN_DISPLAY)</p> <p>Transducer Factor Automatic Adjustment State (RSEMI_ATTR_TRAN_ADJ_STATE)</p> <p>Get Active Transducer Factor Name (RSEMI_ATTR_TRAN_ACT_NAME)</p> <p>Transducer Set Catalog (RSEMI_ATTR_TSET_CATALOG)</p> <p>Data Set Store Mode (RSEMI_ATTR_DATA_SET_STORE_MODE)</p> <p>HCOPY Output (RSEMI_ATTR_HCOPY_OUTPUT)</p> <p>HCOPY Print Table (RSEMI_ATTR_HCOPY_PRINT_TABLE)</p> <p>HCOPY Comment Screen (RSEMI_ATTR_HCOPY_COMM_SCREEN)</p>

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		<p>Hcopy Print Trace (RSEMI_ATTR_HCOPY_PRINT_TRACE_STATE)</p> <p>User Ports State (RSEMI_ATTR_INPUT_UPORT_STATE)</p> <p>User Ports Control Lines (RSEMI_ATTR_INPUT_UPORT_VALUE)</p> <p>Service Input Source (RSEMI_ATTR_SERVICE_INP_SOURCE)</p> <p>Service Calibration Frequency RF Spectrum (RSEMI_ATTR_SERVICE_CAL_FREQ_RF_SPECTRUM)</p> <p>Service Calibration Frequency MW Distance (RSEMI_ATTR_SERVICE_CAL_FREQ_MW_DIST)</p> <p>Service Calibration Frequency MW (RSEMI_ATTR_SERVICE_CAL_FREQ_MW)</p> <p>Service Version Info (RSEMI_ATTR_SERVICE_VERSION_INFO)</p> <p>Test Report New (RSEMI_ATTR_TEST_REPORT_NEW)</p> <p>Test Report Dataset Add (RSEMI_ATTR_TEST_REPORT_DATASET_ADD)</p> <p>Test Report Dataset Remove (RSEMI_ATTR_TEST_REPORT_DATASET_REMOVE)</p> <p>Test Report Dataset Remove All (RSEMI_ATTR_TEST_REPORT_DATASET_REMOVE_ALL)</p> <p>Test Report Default (RSEMI_ATTR_TEST_REPORT_DEFAULT)</p> <p>Test Report Title (RSEMI_ATTR_TEST_REPORT_TITLE)</p> <p>Test Report Description (RSEMI_ATTR_TEST_REPORT_DESCRIPTION)</p> <p>Test Report Page Size (RSEMI_ATTR_TEST_REPORT_PAGE_SIZE)</p> <p>Test Report Header Control (RSEMI_ATTR_TEST_REPORT_HEADER_CONTROL)</p> <p>Test Report Header Text (RSEMI_ATTR_TEST_REPORT_HEADER_TEXT)</p> <p>Test Report Header Title (RSEMI_ATTR_TEST_REPORT_HEADER_TITLE)</p> <p>Test Report Logo (RSEMI_ATTR_TEST_REPORT_LOGO)</p> <p>Test Report Logo Control (RSEMI_ATTR_TEST_REPORT_LOGO_CONTROL)</p> <p>Test Report Template Load (RSEMI_ATTR_TEST_REPORT_TEMPLATE_LOAD)</p> <p>Test Report Template Save (RSEMI_ATTR_TEST_REPORT_TEMPLATE_SAVE)</p> <p>Test Report Template Delete (RSEMI_ATTR_TEST_REPORT_TEMPLATE_DELETE)</p> <p>Test Report Template Catalog (RSEMI_ATTR_TEST_REPORT_TEMPLATE_CATALOG)</p> <p>Updated VIs:</p> <p>Spurious emission list, range of ranges changed from 0..20 to 0..30</p> <p>Test Receiver Spectrogram subsystem - changed used attributes</p> <p>Transducer subsystem - changed used attributes, unused parameters made reserved due to removed repeated capabilities</p> <p>Configure Power Channel Weighting Filters.vi - obsolete, replaced by Conf Power Channel Weighting Filters</p> <p>Configure Trigger Source.vi - added new trigger sources relevant to FSWT</p> <p>Configure External Gate.vi - added new gate sources relevant to FSWT</p> <p>Configure Frequency Coupling Factor.vi - 10% span no longer supported</p> <p>Configure Spectrum Acquisition.vi - changed used attribute</p> <p>Configure IF Output Source.vi - added AM, FM, Focus, I/Q, PM and Off</p> <p>Configure Reference Marker.vi - changed used attribute</p> <p>Configure Marker Peak List Settings.vi - changed used attribute</p> <p>Configure Spectrum Delta Marker.vi - changed used attribute</p> <p>Configure Spectrum Delta Marker Position.vi - changed used attribute</p> <p>Disable All Delta Markers.vi - changed used attribute</p>

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		<p>Spectrum Delta Marker Search.vi - changed used attribute</p> <p>Query Spectrum Delta Marker.vi - changed used attribute</p> <p>Configure Reference Oscillator.vi - added Sync</p> <p>Configure RF Power Trigger Holdoff.vi - changed used attribute</p> <p>Calibration.vi - parameter Sync is no longer used</p> <p>Configure Auto Adjust.vi - FSWT support implemented</p> <p>Configure Auto Adjust Hystersis.vi - changed used attributes</p> <p>Select Power Measurement.vi - removed TDMA Power</p> <p>Configure Power Channel Spacing.vi - changed used attribute</p> <p>Configure Power Channel Bandwidth.vi - changed used attribute</p> <p>Configure Channel Power Standard.vi - added Multi Standard Radio, TD-SCDMA Rev, User</p> <p>Query Power Results.vi - removed All Results of Occupied Bandwidth</p> <p>Configure Occupied Bandwidth.vi - changed used attributes</p> <p>Modulation Depth Signal Search.vi - changed used attribute, parameter Marker no longer used (renamed to Reserved)</p> <p>Burst Power Filter Type.vi - added MIL and Pulse filter types</p> <p>Configure SE Sweep List Filter Type.vi - added MIL filter type</p> <p>Configure SE Sweep List Detector.vi - added AC Video Pulse and AC Video Sine detectors</p> <p>Configure SEM.vi - removed item User from ring Limit Line Type</p> <p>SEM Search Peak.vi - changed used attribute</p> <p>Configure Spectrogram Display Parameters.vi - Spectrogram size no longer supported, function parameter renamed to Reserved</p> <p>Spectrogram Marker Search.vi - changed used attributes</p> <p>Configure Spectrogram Delta Marker.vi - changed used attributes</p> <p>Configure Spectrogram Delta Marker Position.vi - changed used attributes</p> <p>Query Spectrogram Delta Marker.vi - changed used attributes</p> <p>Spectrogram Disable All Delta Markers.vi - changed used attribute</p> <p>Configure Spectrogram Delta Marker Frame Number.vi - changed used attribute</p> <p>Spectrogram Delta Marker Search.vi - changed used attributes</p> <p>Configure Spectrogram Reference Marker.vi - changed used attribute</p> <p>Configure Trace Detector Selection.vi - added AC Video Pulse and AC Video Sine detectors</p> <p>Configure Amplitude Minimum Level.vi - changed used attribute, parameters Window and Trace no longer used</p> <p>Configure Amplitude Scaling Type.vi - changed used attribute, parameters Window and Trace no longer used</p> <p>Configure Delta Marker.vi - changed used attributes</p> <p>Disable All Delta Marker.vi - changed used attribute</p> <p>Link Marker And Delta Marker.vi - changed used attribute</p> <p>Delta Marker Search.vi - changed used attributes</p> <p>Configure Delta Marker Position.vi - changed used attributes</p> <p>Query Delta Marker.vi - changed used attribute</p> <p>Query Display Bargraph Level.vi - changed used attributes</p>

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		<p>Configure Display Bargraph Detector Selection.vi - added AC Video Pulse and AC Video Sine detectors</p> <p>Configure Limit Line Scaling.vi - changed used attributes</p> <p>Configure Limit Line Margin.vi - changed used attributes</p> <p>Configure Limit Line Offset.vi - changed used attributes</p> <p>Configure Limit Line Shift.vi - changed used attributes</p> <p>Configure Limit Line Interpolation.vi - changed used attributes</p> <p>Configure Limit Line Visibility.vi - changed used attributes</p> <p>Configure Limit Line Threshold.vi - changed used attributes</p> <p>Configure Persistence Spectrum Marker Position.vi - changed parameter Marker Position from ring to numeric input</p> <p>Configure Frequency Scan Axis Scale.vi - changed used attribute, parameters Window and Trace no longer used</p> <p>Configure Scan Transmission Mode.vi - added Clickrate Analyze</p> <p>Configure Final Measurement Detector.vi - added AC Video Pulse and AC Video Sine detectors</p> <p>File Manager Operations.vi - removed Format Disk</p> <p>Network Used Drives List.vi - changed from attributes to direct write</p> <p>Configure HardcopyDevice.vi - added PDF and RTF</p> <p>Hardcopy Print.vi - changed used attributes</p> <p>Hardcopy Comment.vi - changed used attribute</p> <p>Configure Control Lines State.vi - changed used attribute, parameter Window no longer used</p> <p>Get Control Lines.vi - changed used attribute, parameter Window no longer used</p> <p>Service Configure Input.vi - changed used attribute, parameter Window no longer used, Input TG no longer available</p> <p>Service Configure Pulsed Input.vi - changed used attribute, parameters Window and State no longer used</p> <p>Removed attributes:</p> <p>Assign Marker to Trace Raising Falling (RSEMI_ATTR_ASSIGN_MARKER_TO_TRACE_RAISING_FALLING)</p> <p>Delta Marker Y trigger (RSEMI_ATTR_REFERENCE_MARKER_Y_TRIGGER)</p> <p>Display Power Save State (RSEMI_ATTR_DISP_PWR_SAVE_STATE)</p> <p>Display Power Save Holdoff (RSEMI_ATTR_DISP_PWR_SAVE_HOLDOFF)</p> <p>Display During Single Sweep (RSEMI_ATTR_DISP_SINGLE_SWEEP)</p> <p>Display Marker Table (RSEMI_ATTR_DISP_MARKER_TABLE)</p> <p>Display State (RSEMI_ATTR_DISPLAY_STATE)</p> <p>Spectrogram Display Size (RSEMI_ATTR_SPEM_SIZE)</p> <p>File Manager Format Disk (RSEMI_ATTR_FILE_MANAGER_FORMAT_DISK)</p> <p>Removed VIs:</p> <p>Get Limit Line Catalog.vi</p> <p>Configure Display Power Save.vi</p> <p>Configure Display Single Sweep.vi</p> <p>Configure Display Marker Table.vi</p> <p>Service Configure Comb Generator.vi</p>

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1.3.0	10/2013	Support for ESR version 1.79 SP1 added Support for Spectrogram added Added: Configure Display Bargraph Coupling.vi Read Spectrogram Time Stamp Data.vi
1.2.0	03/2013	* Support for ESR version 1.78 added * Support for ESRP added * Added: - Configure Scan Time.vi - Configure Frequency Signal Track.vi - Configure Display Line State.vi - Configure Display Line Position.vi - Query Transducer Factor Catalog.vi - Select Transducer Set.vi - Configure Transducer Set.vi - Query Transducer Set Catalog.vi - Delete Transducer Set.vi - Query Active Transducer Set.vi * Modified: - Set Status Register.vi - Get Status Register.vi - Configure Frequency Mode.vi - Configure Limit Line.vi - Configure Delay Compensation.vi - VI removed
1.1.0	02/2013	* Support for Spectrum Analyzer added * New - Peak Search.vi - Fetch Receiver Scan Measurement.vi - Configure Scan Transmission Mode.vi - Instrument Status Checking.vi - Configure Scan Points.vi * Modified - Configure Spectrogram Result Display Mode.vi - renamed to Configure Result Display.vi
1.0.0	09/2012	* Initial Release

About Rohde & Schwarz

The Rohde & Schwarz electronics group offers innovative solutions in the following business fields: test and measurement, broadcast and media, secure communications, cybersecurity, radiomonitoring and radiolocation. Founded more than 80 years ago, this independent company has an extensive sales and service network and is present in more than 70 countries.

The electronics group is among the world market leaders in its established business fields. The company is headquartered in Munich, Germany. It also has regional headquarters in Singapore and Columbia, Maryland, USA, to manage its operations in these regions.

Environmental commitment

- Energy-efficient products
- Continuous improvement in environmental sustainability
- ISO 14001-certified environmental management system



Regional contact

Europe, Africa, Middle East

+49 89 4129 12345

customersupport@rohde-schwarz.com

North America

1-888-TEST-RSA (1-888-837-8772)

customer.support@rsa.rohde-schwarz.com

Latin America

+1-410-910-7988

customersupport.la@rohde-schwarz.com

Asia/Pacific

+65 65 13 04 88

customersupport.asia@rohde-schwarz.com

Rohde & Schwarz GmbH & Co. KG

Mühlendorfstraße 15 | D - 81671 München

Phone + 49 89 4129 - 0 | Fax + 49 89 4129 - 13777

www.rohde-schwarz.com