

# LabWindows/CVI, VXIplug driver history for the R&S® Spectrum Analyzers Driver Documentation

## Products:

| R&S®FSUP



R&S®FSH4/8



| R&S®FSMR



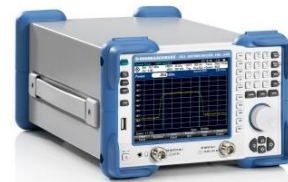
| R&S®ZVH



| R&S®ESL



| R&S®FSC



Driver history for LabWindows/CVI and  
VXIplug&play Instrument Driver for C#,  
C/C++, Visual Basic .NET, VEE, etc.

# Table of Contents

<b>1</b>	<b>Supported Instruments.....</b>	<b>3</b>
<b>2</b>	<b>LabWindows/CVI and VXIplug&amp;play driver history.....</b>	<b>4</b>

# 1 Supported Instruments

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

<b>Which instruments are supported?</b>		
<b>Current revision of instrument driver supports these instruments and firmware versions:</b>		
<b>Instrument</b>	<b>Supported Firmware</b>	<b>Remarks</b>
FSUP	4.67	
FSMR	4.76	
ESL	1.81	
FSH4/8	2.50	
ZVH	2.50	
FSC	1.30	

## 2 LabWindows/CVI and VXIplug&play driver history

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
1.24	07/2014	<ul style="list-style-type: none"> <li>* Added support for R&amp;S FSH4/8 firmware 2.50</li> <li>* New</li> <li>- rsspecan_ConfigurePWMChannelBandwidth</li> <li>- rsspecan_ConfigureLTEDownlinkCarrier</li> <li>- rsspecan_ConfigureLTEDownlinkBandwidthCarrier</li> <li>- rsspecan_ConfigureLTEDownlinkFrequencyCenterCarrier</li> <li>- rsspecan_ConfigureLTEDownlinkFrequencyInputModeCarrier</li> <li>- rsspecan_ConfigureLTEDownlinkChannelCarrier</li> <li>- rsspecan_ConfigureLTEDownlinkChannelTableCarrier</li> <li>- rsspecan_ConfigureLTEDownlinkOccupiedBandwidth</li> <li>- rsspecan_QueryLTEDownlinkMeasurementSyncSignalCarrier</li> <li>- rsspecan_QueryLTEDownlinkMeasurementReferenceSignalCarrier</li> <li>- rsspecan_QueryLTEDownlinkMeasurementFrequencyErrorCarrier</li> <li>- rsspecan_QueryLTEDownlinkDetectedCellIdentityGroupCarrier</li> <li>- rsspecan_QueryLTEDownlinkDetectedCellIdentityCarrier</li> <li>- rsspecan_QueryLTEDownlinkCellIdentityCarrier</li> <li>- rsspecan_ConfigureLTEUplinkFrequencyCenterCarrier</li> <li>- rsspecan_ConfigureLTEUplinkFrequencyInputModeCarrier</li> <li>- rsspecan_ConfigureLTEUplinkChannelCarrier</li> <li>- rsspecan_ConfigureLTEUplinkChannelTableCarrier</li> <li>- rsspecan_ConfigureLTEUplinkOccupiedBandwidth</li> <li>- rsspecan_QueryLTEUplinkMeasurementReferenceSignalCarrier</li> <li>- rsspecan_QueryLTEUplinkMeasurementFrequencyErrorCarrier</li> <li>- rsspecan_QueryLTEUplinkMeasurementFramePowerCarrier</li> <li>- rsspecan_QueryLTEUplinkDetectedCellIdentityGroupCarrier</li> <li>- rsspecan_QueryLTEUplinkDetectedCellIdentityCarrier</li> <li>- rsspecan_QueryLTEUplinkCellIdentityCarrier</li> <li>* Modified</li> <li>- rsspecan_Configure3GPPBSMeasurement - Antenna &gt;&gt; added all</li> <li>- rsspecan_ConfigureTDSBSUCPICH - not for FSH</li> <li>- rsspecan_ConfigureTDSUEUCPICH - not for FSH</li> <li>- rsspecan_ConfigureBC2KCodeDomainAnalyzerResults - added PN Scanner</li> </ul>
1.23	02/2014	<ul style="list-style-type: none"> <li>* Added support for R&amp;S FSH4/8 version 2.40, ZVH version 1.43</li> <li>* New</li> <li>- rsspecan_SystemTimeShift</li> <li>- rsspecan_CalibrationStart</li> </ul>

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Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_CalibrationContinue</li> <li>- rsspecan_ConfigureElectricalCableTime</li> <li>- rsspecan_QueryElectricalCableTime</li> <li>* Updated</li> <li>- rsspecan_SystemReboot</li> </ul>
1.22.0	10/2013	<ul style="list-style-type: none"> <li>* Added support for R&amp;S FSH4/8 firmware 2.30</li> <li>* New</li> <li>- ConfigureSSASpuriousEmissionCarrier</li> <li>- QueryLTEDownlinkMeasurementEVMPeakCurrent</li> <li>- QueryLTEDownlinkMeasurementRSRP</li> <li>- QueryLTEDownlinkMeasurementRSRQ</li> <li>- QueryLTEDownlinkMeasurementRSSI</li> <li>- QueryLTEDownlinkMeasurementSINR</li> <li>- Data Capture</li> <li>- Saving Events</li> </ul>
1.21.1	07/2013	Cosmetic changes in help texts
1.21.0	04/2013	<ul style="list-style-type: none"> <li>* Added support for R&amp;S FSH4/8 firmware 2.20</li> <li>* New</li> <li>- rsspecan_ConfigureTraceStyle</li> <li>- rsspecan_DefineLimitLineShape</li> <li>- rsspecan_ConfigureGSMK10TrainingSequence</li> <li>- rsspecan_ConfigureGSMK10TimeSlot</li> <li>- rsspecan_FetchGSMK10BaseStationIdCode</li> <li>- rsspecan_FetchGSMK10ModulationType</li> <li>- rsspecan_FetchGSMK10OccupiedBandwidth</li> <li>- rsspecan_FetchGSMK10BurstPower</li> <li>- rsspecan_FetchGSMK10RFChannelPower</li> <li>- rsspecan_FetchGSMK10AnalyzedSlot</li> <li>- rsspecan_FetchGSMK10TrafficActivity</li> <li>- rsspecan_ConfigureTDSBSSwitchingPoint</li> <li>- rsspecan_ConfigureTDSBSScramblingCode</li> <li>- rsspecan_ConfigureTDSBSScramblingCodeAutoSearch</li> <li>- rsspecan_QueryC2KBSTCodeDomainAnalyzerPNScannerResults</li> <li>- rsspecan_ConfigureLTEDownlinkCellUnderTestIdentity</li> <li>* Modified</li> <li>- rsspecan_FetchGSMK10MeasurementResults - EVM Slot</li> <li>- rsspecan_BC2KMode - new command string for FSH</li> <li>- rsspecan_ConfigureLTEDownlinkTDDAllocation - range for FSH</li> <li>- rsspecan_ConfigureBC2KCodeDomainAnalyzerResults - added PN Scanner</li> </ul>
1.20.0	12/2012	Modifications:

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Revision	Date	Note
		<p>Added support for R&amp;S FSH FW V. 2.0 and R&amp;S FSMR 4.76</p> <p>* New</p> <ul style="list-style-type: none"> <li>- rssipecan_ConfigureChannelTableLinkDirection</li> <li>- rssipecan_ConfigureChannelTableULDLSignal</li> <li>- rssipecan_ConfigureAntennaDirection</li> <li>- rssipecan_QuerySystemMemoryInfo</li> <li>- rssipecan_QueryStoreMemoryInfo</li> <li>- rssipecan_ConfigureVSWRYScaleMinMax</li> <li>- rssipecan_AutoSearch3GPPBSScramblingCode</li> <li>- rssipecan_Configure3GPPFDDBSFrequencyErrorUnits</li> <li>- rssipecan_QueryLTEDownlinkMeasurementSyncSignal</li> <li>- rssipecan_QueryLTEDownlinkMeasurementTrafficActivity</li> <li>- rssipecan_ConfigureRemoteDesktopPort</li> <li>- rssipecan_QueryLTEDownlinkMeasurementPower</li> <li>- rssipecan_QueryLTEDownlinkMeasurementEVM</li> <li>- rssipecan_SystemReboot</li> <li>- rssipecan_ConfigureMeasuringReceiverAutotuneThreshold</li> <li>- rssipecan_MeasuringReceiverClearCalibrationValues</li> <li>- rssipecan_ConfigureMeasuringReceiverPWManualValue</li> <li>- rssipecan_ConfigureMeasuringReceiverALCFixed</li> </ul> <p>* Modified</p> <ul style="list-style-type: none"> <li>- rssipecan_ConfigureMarkerSearchLimits</li> <li>- rssipecan_Get3GPPBSResult</li> </ul>
1.19.0	03/2012	<p>Modifications:</p> <p>* Added support for R&amp;S FSH K43 - Receiver Mode</p> <p>* Modified</p> <ul style="list-style-type: none"> <li>- rssipecan_FetchTETRAACP - added Average measurement type</li> <li>- rssipecan_ConfigureScanTableStartStop</li> <li>- rssipecan_SelectTransducerFactor</li> <li>- rssipecan_ConfigureTransducerFactor</li> <li>- RSSPECAN_ATTR_AMPL_PREAMPLIFIER - options removed</li> </ul> <p>* Modified Attributes for FSH</p> <ul style="list-style-type: none"> <li>- RSSPECAN_ATTR_RECEIVER_MODE</li> <li>- RSSPECAN_ATTR_MARKER_AOFF</li> <li>- RSSPECAN_ATTR_MARKER_SEARCH_LIMITS_STATE</li> <li>- RSSPECAN_ATTR_MARKER_SEARCH_LIMITS_LEFT</li> <li>- RSSPECAN_ATTR_MARKER_SEARCH_LIMITS_RIGHT</li> <li>- RSSPECAN_ATTR_RECEIVER_SCAN_START</li> <li>- RSSPECAN_ATTR_RECEIVER_SCAN_STOP</li> </ul>

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Revision	Date	Note
		<ul style="list-style-type: none"> <li>- RSSPECAN_ATTR_RECEIVER_SCAN_STEP_SIZE</li> <li>- RSSPECAN_ATTR_DISP_REF_POSITION</li> <li>- RSSPECAN_ATTR_ATTENUATION_MODE</li> <li>- RSSPECAN_ATTR_FREQUENCY_MODE</li> </ul> <p>* Added</p> <ul style="list-style-type: none"> <li>- rsspecan_ConfigureReceiverCISPRBandwidth</li> <li>- rsspecan_ReadReceiverTraceData</li> <li>- rsspecan_TransducerSelect</li> </ul>
1.18.2	01/2012	<p>Modifications:</p> <ul style="list-style-type: none"> <li>- Fixed data type of callback addresses in rsspecan_attributes.c</li> </ul>
1.18.1	12/2011	<p>Modifications:</p> <ul style="list-style-type: none"> <li>- rsspecan_ConfigureMarkerBandPower (commands corrected)</li> <li>- rsspecan_QueryMarkerBandPower (command corrected)</li> </ul>
1.18.0	10/2011	<p>Modifications:</p> <ul style="list-style-type: none"> <li>- Support for FSQ version 4.75 added</li> <li>- Support for ZVH version 1.20 added, support of FSH network analyzer (v1.56) updated</li> <li>- Support for dual trace (dual window) added for ZVH and FSH</li> </ul> <p>* Modified</p> <ul style="list-style-type: none"> <li>- rsspecan_ConfigureLTEDownlinkPDSCHConfigurableSubframes - Range updated</li> <li>- ConfigureWLANFFTStartOffset RSSPECAN_ATTR_WLAN_FFT_START_OFFSET</li> <li>- ConfigureWlanSpectrumMeasurement RSSPECAN_ATTR_WLAN_SPEC_SEL</li> <li>- ConfigureWiMAXTrigger RSSPECAN_ATTR_WIMAX_TRIG_MODE</li> <li>- QueryLTEDownlinkMeasurementCrestFactor RSSPECAN_ATTR_LTE_DOWNLINK_CRESC_FACTOR_RESULT</li> <li>- QueryLTEUplinkMeasurementCrestFactor RSSPECAN_ATTR_LTE_UPLINK_CRESC_FACTOR_RESULT</li> <li>- QueryLTEUplinkMeasurementResultSummary RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_16QAM_RESULT RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_64QAM_RESULT RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_QPSK_RESULT RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_16QAM_RESULT RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_RESULT RSSPECAN_ATTR_LTE_UPLINK_EVM_PUCCH_RESULT RSSPECAN_ATTR_LTE_UPLINK_EVM_PRACH_RESULT</li> <li>- rsspecan_ConfigureMarkerZoomPortable - window control added RSSPECAN_ATTR_NAN_MEAS_MODE</li> </ul>

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Revision	Date	Note
		RSSPECAN_ATTR_NAN_MEAS_FORMAT - rsspecan_ConfigureMagnitudeSpacing RSSPECAN_ATTR_NAN_MAGN_SPACING - rsspecan_ConfigureSmithChartReferenceImpedance RSSPECAN_ATTR_NAN_SMITH_REF_IMPEDANCE - rsspecan_ConfigureReflectionCoefficientUnit RSSPECAN_ATTR_NAN_REFL_COEFFICIENT_UNIT - rsspecan_ConfigureTrackingGeneratorReferenceLevel RSSPECAN_ATTR_NAN_CABLE_REF_LEVEL RSSPECAN_ATTR_NAN_MAGN_REF_LEVEL RSSPECAN_ATTR_NAN_PHASE_REF_LEVEL RSSPECAN_ATTR_NAN_CABLE_REF_POSITION RSSPECAN_ATTR_NAN_MAGN_REF_POSITION RSSPECAN_ATTR_NAN_PHASE_REF_POSITION - rsspecan_ConfigureGroupDelay RSSPECAN_ATTR_GDEL_REF_LEVEL RSSPECAN_ATTR_GDEL_REF_POSITION RSSPECAN_ATTR_GDEL_Y_SCALE - rsspecan_ConfigureMarkerOutputFormat RSSPECAN_ATTR_NETWORK_ANALYZER_MARKER_OUTPUT_FORMAT - rsspecan_ConfigurePhaseUnwrap RSSPECAN_ATTR_NAN_PHASE_UNWRAP - rsspecan_ConfigureNetworkAnalyzerMeasurement RSSPECAN_ATTR_NAN_MEAS_MODE RSSPECAN_ATTR_NAN_MEAS_FORMAT - rsspecan_ConfigureTrackingGeneratorYScale - RSSPECAN_ATTR_USER_CALIBRATE_LENGTH - command changed - rsspecan_ConfigureMarker - range checking modified according to ZVH and FSH - rsspecan_ConfigureTrace - rsspecan_MarkerSearch - rsspecan_MoveMarker - rsspecan_QueryMarker - RSSPECAN_ATTR_GDEL_Y_SCALE - added range checking - RSSPECAN_ATTR_NAN_CABLE_Y_SCALE - RSSPECAN_ATTR_NAN_MAGN_Y_SCALE - RSSPECAN_ATTR_NAN_PHASE_Y_SCALE - RSSPECAN_ATTR_NAN_MAGN_REF_LEVEL - RSSPECAN_ATTR_NAN_PHASE_REF_LEVEL - RSSPECAN_ATTR_NAN_CABLE_REF_LEVEL - RSSPECAN_ATTR_NAN_CABLE_REF_POSITION - increased value range - RSSPECAN_ATTR_USER_CALIBRATE_OFFS - Port selection added



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		<ul style="list-style-type: none"> <li>- rsspecan_ConfigureDistancetoFaultThreshold</li> <li>- rsspecan_ConfigureMarkerOutputFormat - values label updated</li> <li>- rsspecan_ConfigureTrackingGeneratorYScale - units forced to dB for magnitude</li> <li>- rsspecan_ConfigureCATMeasurementMode - option checking added for "Transmission"</li> <li>- rsspecan_ConfigureUserCaliyabrate - offset legth units changed from mm to m</li> <li>RSSPECAN_ATTR_USER_CALIBRATE_OFFS</li> <li>- rsspecan_ConfigurePhaseUnwrap - command changed DISPlay:PHASe:Y:UNWRap -&gt; DISPlay:PHASe:UNWRap</li> <li>RSSPECAN_ATTR_NAN_PHASE_UNWRAP</li> <li>- rsspecan_ConfigureNetworkAnalyzerMeasurement - new formats added (Reflection Coefficient, Smith Chart, VSWR, Vector Voltmeter), Magnitude &amp; phase (M Phase) format removed from GUI</li> <li>RSSPECAN_ATTR_NAN_MEAS_MODE</li> <li>RSSPECAN_ATTR_NAN_MEAS_FORMAT</li> <li>- rsspecan_ConfigureGroupDelay - unit changed from ns to s, data type of "Reference Level" control changed to Real, range updated</li> <li>RSSPECAN_ATTR_GDEL_REF_LEVEL</li> <li> </li> <li>* Added</li> <li>- rsspecan_SetLTEDownlinkModeFSH</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_MODE_FSH</li> <li>- rsspecan_ConfigureLTEDownlinkDemodulationCalculationState</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_DEMODULATION_CALCULATION_STATE</li> <li>- rsspecan_ConfigureLTEDownlinkCarrierFrequencyErrorUnits</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_CARRIER_FREQUENCY_ERROR_UNITS</li> <li>- rsspecan_QueryLTEDownlinkMeasurementPowerResultSummary</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_POWER_QPSK_RESULT</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_POWER_16QAM_RESULT</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_POWER_64QAM_RESULT</li> <li>- rsspecan_QueryLTEDownlinkMeasurementChannel</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_CHANNEL</li> <li>- rsspecan_QueryLTEDownlinkMeasurementReferenceSignal</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_REFERENCE_SIGNAL</li> <li>- rsspecan_QueryLTEDownlinkCellIdentity</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_IDENTITY</li> <li>- rsspecan_SetLTEUplinkModeFSH</li> <li>RSSPECAN_ATTR_LTE_UPLINK_MODE_FSH</li> <li>- rsspecan_ConfigureLTEUplinkCarrierFrequencyErrorUnits</li> <li>RSSPECAN_ATTR_LTE_UPLINK_CARRIER_FREQUENCY_ERROR_UNITS</li> <li>- rsspecan_QueryLTEUplinkMeasurementPowerResultSummary</li> <li>RSSPECAN_ATTR_LTE_UPLINK_POWER_QPSK_RESULT</li> <li>RSSPECAN_ATTR_LTE_UPLINK_POWER_16QAM_RESULT</li> <li>RSSPECAN_ATTR_LTE_UPLINK_POWER_64QAM_RESULT</li> </ul>

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Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_QueryLTEUplinkMeasurementChannel</li> <li>- RSSPECAN_ATTR_LTE_UPLINK_CHANNEL</li> <li>- rsspecan_QueryLTEUplinkMeasurementReferenceSignal</li> <li>- RSSPECAN_ATTR_LTE_UPLINK_REFERENCE_SIGNAL</li> <li>- rsspecan_QueryLTEUplinkCellIdentity</li> <li>- RSSPECAN_ATTR_LTE_UPLINK_IDENTITY</li> <li>- QueryTPISTimeOffset <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_QUERY_TPIS_TIME_OFFSET</li> </ul> </li> <li>- Configure3GPPTAERBTSCarrier <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_3GPP_TAER_CPICH_CODE_NUMBER</li> <li>RSSPECAN_ATTR_3GPP_TAER_ANTENNA_PATTERN</li> <li>RSSPECAN_ATTR_3GPP_TAER_FREQUENCY_OFFSET</li> <li>RSSPECAN_ATTR_3GPP_TAER_SCRAMBLING_CODE</li> </ul> </li> <li>- Query3GPPTAERBTSNumber <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_3GPP_TAER_BTS_NUMBER</li> </ul> </li> <li>- Set_3GPPTAERBTSOperation <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_3GPP_TAER_BTS_NUMBER_INSERT</li> <li>RSSPECAN_ATTR_3GPP_TAER_BTS_NUMBER_DELETE</li> <li>RSSPECAN_ATTR_3GPP_TAER_BTS_NUMBER_DELETE_ALL</li> </ul> </li> <li>- Query3GPPTAERTableCatalog <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_3GPP_TAER_TABLE_CATALOG</li> </ul> </li> <li>- Set_3GPPTAERTableOperation <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_3GPP_TAER_TABLE_DELETE</li> <li>RSSPECAN_ATTR_3GPP_TAER_TABLE_SAVE</li> </ul> </li> <li>- Set_3GPPTAERTablePreset <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_3GPP_TAER_TABLE_PRESET</li> </ul> </li> <li>- ConfigureWLANNumberOfAntennas <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_NUMBER_OF_ANTENNAS</li> </ul> </li> <li>- ConfigureWLANMIMODUTConfiguration <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_MIMO_DUT_CONFIGURATION</li> </ul> </li> <li>- ConfigureWLANMIMOAntennaSignalCapture <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_MIMO_ANT_SIGNAL_CAPTURE_TYPE</li> </ul> </li> <li>- ConfigureWLANSTCMIMO <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_ANALYZER_STATE</li> <li>RSSPECAN_ATTR_WLAN_ANALYZER_ADDRESS</li> <li>RSSPECAN_ATTR_WLAN_ANTENNA_CONFIGURATION</li> </ul> </li> <li>- ConfigureWLANMIMOSequentialCaptureSetup <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_MIMO_OSP_IP_ADDRESS</li> <li>RSSPECAN_ATTR_WLAN_MIMO_OSP_SWITCH_MODULE</li> </ul> </li> <li>- ConfigureWLANRBWFilter <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_RBW_FILTER</li> </ul> </li> </ul>

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		<ul style="list-style-type: none"> <li>- ConfigureWLANBurstsToAnalyzeSettings <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_BURST_TYPE_TO_MEASURE</li> <li>RSSPECAN_ATTR_WLAN_CHANNEL_BANDWIDTH_TO_MEAS</li> <li>RSSPECAN_ATTR_WLAN_GUARD_INTERVAL_LEGTH</li> <li>RSSPECAN_ATTR_WLAN_STBC</li> <li>RSSPECAN_ATTR_WLAN_EXT_SPATIAL_STREAMS</li> <li>RSSPECAN_ATTR_WLAN_SOURCE_OF_PAYLOAD_LENGTH</li> </ul> </li> <li>- ConfigureWLANMCS <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_MCS_INDEX_TO_USE_FBUR</li> <li>RSSPECAN_ATTR_WLAN_MCS_INDEX</li> </ul> </li> <li>- ConfigureWLAN_MIMOSpatialMappingConfiguration <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_MIMO_SPATIAL_MAPPING_MODE</li> <li>RSSPECAN_ATTR_WLAN_MIMO_POWER_NORMALISE</li> </ul> </li> <li>- ConfigureWLAN_MIMO_UDFSpatialMappingAntenna</li> <li>- ConfigureWLAN_MIMO_UDFSpatialMappingStream <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_MIMO_UDFSPATIAL_MAPPING_TIME_SHIFT</li> </ul> </li> <li>- ConfigureWLANChannelSelect <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_SPEC_CSEL</li> </ul> </li> <li>- FetchWlanBurstErrorRateForPilots <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_WLAN_FETC_BERPILOT</li> </ul> </li> <li>- ConfigureWiMAXConstellationDiagram <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_DIAGRAM</li> </ul> </li> <li>- ConfigureLTEDownlinkDataAnalysisSettings <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_SUBFRAME_DETECT</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_BOOSTING_ESTIMATION</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_REFERENCE_DATA</li> <li>RSSPECAN_ATTR_LTE_DOWNLINK_MULTICARRIER_FILTER</li> </ul> </li> <li>- QueryLTEDownlinkMeasurementRSTP <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_LTE_DOWNLINK_RSTP_RESULT</li> </ul> </li> <li>- ConfigureLTEUplinkSuppressedInterferenceSynchronization <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_LTE_UPLINK_SUPPRESSED_INTERFERENCE_SYNC</li> </ul> </li> <li>- ConfigureLTEUplinkSlotSelection <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_LTE_UPLINK_SLOT_SELECTION</li> </ul> </li> <li>- ApplicationsVersions <ul style="list-style-type: none"> <li>RSSPECAN_ATTR_APPLICATIONS_VERSIONS</li> </ul> </li> <li>- rsspecan_ConfigureEthernetGateway</li> <li>- rsspecan_ConfigureCalibrationDiscard</li> <li>- rsspecan_ConfigureUserPreset</li> <li>- rsspecan_ConfigureMarkerZoomYPortable</li> <li>- rsspecan_ConfigureInterferenceSuppressionState</li> <li>- rsspecan_ConfigureInterferenceSuppressionApertureSize</li> </ul>

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Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_ConfigureNetworkAnalyzerSMeasurementResult</li> <li>- rsspecan_QueryComplexMarker</li> <li>- rsspecan_ConfigurePortOffsetLength</li> </ul>
1.17.0	09/2011	<p>Modifications:</p> <ul style="list-style-type: none"> <li>* Support for FSUP version 4.67 added</li> <li>* Support for FSW version 1.10 added</li>   <li>* Modified</li> <li>- rsspecan_GetTransducerFactorCatalog - added FSUP support</li> <li>- rsspecan_ConfigureSSAVCOLoopPremeasurement</li> <li>- added attribute: RSSPECAN_ATTR_SSA_PREMEAS_NEW</li> <li>* Added</li> <li>- rsspecan_CreateTransducerFactor RSSPECAN_ATTR_TFAC_CREATE</li> <li>- rsspecan_ConfigureSSAPhaseFrequencyAxisTruncation RSSPECAN_ATTR_SSA_FREQUENCY_AXIS_TRUNCATION</li> <li>- rsspecan_ConfigureSSAPhaseSpotNoiseList RSSPECAN_ATTR_SSA_SPOT_NOISE_LIST</li> <li>- rsspecan_ConfigureSSAPhaseSpurList RSSPECAN_ATTR_SSA_SPUR_LIST</li> <li>- rsspecan_ConfigureSSAPhaseSpursHighlight RSSPECAN_ATTR_SSA_SPURS_HIGHLIGHT</li> <li>- rsspecan_ConfigureSSAVCOMarkerCoupling RSSPECAN_ATTR_SSA_MARKER_COUPLING</li> <li>- rsspecan_ConfigureSSAVCOLoopFrequencyBand RSSPECAN_ATTR_SSA_ADET_GAIN</li> <li>- rsspecan_ConfigureSSAVCOLoopDUTType RSSPECAN_ATTR_SSA_DUT_TYPE</li> </ul>
1.16.0	07/2011	<p>Modifications:</p> <ul style="list-style-type: none"> <li>* Support for FSV version 1.60 added</li> <li>* Modified</li> <li>- RSSPECAN_ATTR_ACP_USER_STD_SET - added FSV support</li> <li>- rsspecan_ConfigureGSMK10Burst - added: Access Burst Type, TS 0, TS 1, TS 2</li> <li>- rsspecan_ConfigureGSMK10Measurement - added Trigger to Sync measurement</li> <li>- rsspecan_ReadGSMK10MeasurementResults - added results for Trigger to Sync measurement RSSPECAN_ATTR_READ_GSM_K10_TRIGGER_TO_SYNC_RESULTS</li> <li>- rsspecan_LoadWlanIQData - now uses attribute RSSPECAN_ATTR_LOAD_IQ_DATA</li> <li>- rsspecan_LoadWiMAXIQData - now uses attribute RSSPECAN_ATTR_LOAD_IQ_DATA</li> <li>- rsspecan_StoreWlanIQData - now uses attribute RSSPECAN_ATTR_SAVE_IQ_DATA</li> <li>- rsspecan_StoreWiMAXIQData - now uses attribute RSSPECAN_ATTR_SAVE_IQ_DATA</li> </ul>

rssipecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- RSSPECAN_ATTR_IQ_DATA_EXPORT_FILE_DESCRIPTION - added FSV support</li> <li>- rssipecan_ConfigureTriggerSource - Baseband power added RSSPECAN_ATTR_TRIGGER_SOURCE</li> <li>- rssipecan_ConfigureExternalGate - Power Sensor as Gate Source is available for FSV</li> <li>- rssipecan_ConfigureWiMAXTrigger - added Power Sensor, RF Power trigger mode RSSPECAN_ATTR_WIMAX_TRIG_MODE</li> <li>- rssipecan_ConfigureWlanTrigger - added Power Sensor, RF Power trigger mode RSSPECAN_ATTR_WLAN_TRIG_MODE</li> <li>- RSSPECAN_ATTR_VSA_RESULT_FORMAT - added None, IQCorr</li> <li>- RSSPECAN_ATTR_VSA_TX_FILTER_TYPE - added user defined filter type</li> <li>- RSSPECAN_ATTR_VSA_MEASUREMENT_FILTER_TYPE - added user defined filter type</li> <li>- rssipecan_ReadVSATraceData - new traces added <ul style="list-style-type: none"> <li>- rssipecan_FileDirectory - fixed portable instruments support</li> </ul> </li> <li>* Added</li> <li>- RSSPECAN_ATTR_GSM_K10_MEAS_TRIGGER_TO_SYNC</li> <li>- rssipecan_rssipecan_ConfigureGSMK10TriggerToSync RSSPECAN_ATTR_GSM_K10_TRIGGER_TO_SYNC_BINS_COUNT RSSPECAN_ATTR_GSM_K10_TRIGGER_TO_SYNC_ADAPTIVE_DATA_SIZE</li> <li>- rssipecan_rssipecan_ConfigureGSMK10WideSpectrumResultsUnit RSSPECAN_ATTR_GSM_K10_WIDE_SPECTRUM_UNIT</li> <li>- rssipecan_rssipecan_ReadGSMK10SpectrumReferencePower</li> <li>- rssipecan_rssipecan_FetchGSMK10SpectrumReferencePower</li> <li>- rssipecan_rssipecan_AssignMarkerToTrace RSSPECAN_ATTR_NOISE_ASSIGN_MARKER_TO_TRACE</li> <li>- rssipecan_rssipecan_Configure3GPPBSMode RSSPECAN_ATTR_3GPP_BS_STANDARD</li> <li>- rssipecan_rssipecan_ConfigurePWMEExternalPowerTriggerAdvanced RSSPECAN_ATTR_PWM_EXTERNAL_POWER_TRIGGER_HYSTERESIS RSSPECAN_ATTR_PWM_EXTERNAL_POWER_TRIGGER_DROPOUT_TIME RSSPECAN_ATTR_PWM_EXTERNAL_POWER_TRIGGER_HOLDOFF_TIME RSSPECAN_ATTR_PWM_EXTERNAL_POWER_TRIGGER_SLOPE</li> <li>- rssipecan_VSARefreshCapturedData RSSPECAN_ATTR_VSA_REFRESH_CAPTURED_DATA</li> <li>- rssipecan_ConfigureVSAUserDefinedTXFilter RSSPECAN_ATTR_VSA_TX_FILTER_USER_FILE</li> <li>- rssipecan_ConfigureVSAUserDefinedMeasurementFilter RSSPECAN_ATTR_VSA_MEASUREMENT_FILTER_USER_FILE</li> <li>- rssipecan_setVSAModulationStatusRegister</li> <li>- rssipecan_getVSAModulationStatusRegister RSSPECAN_ATTR_VSA_MODULATON_QUESTIONABLE_REGISTER</li> <li>- rssipecan_ConfigureVSALimitsDefault</li> </ul>

rssipecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		RSSPECAN_ATTR_VSA_LIMIT_MODULATION_ACCURACY_DEFAULTS - RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_STATE - rssipecan_ConfigureVSALimitsEVM RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_EVM - rssipecan_ConfigureVSALimitsPhaseError RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_PHASE_ERROR - rssipecan_ConfigureVSALimitsMagnitudeError RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_MAGNITUDE_ERROR - rssipecan_ConfigureVSALimitsCarrierFrequencyError RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_CARRIER_FREQUENCY_ERROR - rssipecan_ConfigureVSALimitsRHO RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_RHO - rssipecan_ConfigureVSALimitsIQOffset RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_IQ_OFFSET - rssipecan_ConfigureVSALimitsFrequencyError RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_FREQUENCY_ERROR - rssipecan_ConfigureVSALimitsFrequencyDeviationError RSSPECAN_ATTR_VSA_LIMIT_MOD_ACC_FREQUENCY_DEVIATION_ERROR - rssipecan_VSARefreshCapturedData RSSPECAN_ATTR_VSA_REFRESH_CAPTURED_DATA - rssipecan_QueryVSAModulationAccuracyLimitsCheckResults RSSPECAN_ATTR_VSA_QUERY_MOD_ACC_LIMIT_CHECK_RESULT - rssipecan_QueryVSAModulationAccuracyStatisticResults
1.15.0.	07/2011	Modifications: * Support for FSV version 1.55 added * Support for FSVR version 1.54 added * Support for FSU version 4.61 added * Support for FSQ version 4.65 added * New Vector Signal Analysis API * K54 support added * Better FSC and ZVH support * New: - rssipecan_ConfigureSpectrumDisplay - rssipecan_TraceIQRecordLength - rssipecan_ConfigureReferenceMarker - rssipecan_QueryTriggerPositionInSample - rssipecan_ConfigureExternalGeneratorFrequency - rssipecan_ConfigureADemodFilterAWeighting - rssipecan_ConfigureSpectrogramFFTWindow - rssipecan_StoreSpectrogramToFile - rssipecan_ConfigureFrequencyMaskTriggerSource

rssipecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rssipecan_ConfigureVSAIncludeIQData</li> <li>- rssipecan_LockLocalKey</li> <li>- rssipecan_ActivateMarkerPeakSearch</li> <li>- rssipecan_ConfigureMarkerPeakListSettings</li> <li>- rssipecan_ConfigureGSMK10Trace</li> <li>- rssipecan_ConfigureGSMK10AccessBurst</li> <li>- rssipecan_ConfigureGSMK10AQPSKBurst</li> <li>- rssipecan_ConfigureGSMK10Demodulation</li> <li>- rssipecan_ConfigureGSMK10MultiMeasurement</li> <li>- rssipecan_FetchGSMK10WideSpectrumResults</li> <li>- rssipecan_ConfigurePersistenceSpectrumMarkerPosition</li> <li>- rssipecan_LoadIQData</li> <li>- rssipecan_StoreIQData</li> <li>- rssipecan_ConfigureIQDataExportFileDescription</li> <li>- rssipecan_ConfigureAnalogDemodSquelch</li> <li>- rssipecan_ConfigureFMStereoSquelch</li> <li>- rssipecan_ConfigureSpectrogramContinuousTrigger</li> <li>- rssipecan_ConfigureSpectrogramTimeDomainTrigger</li> <li>- rssipecan_ConfigurePersistenceSpectrumMarkerPosition</li> <li>- rssipecan_QueryPersistenceMarkerZAxis</li> <li>- rssipecan_ConfigurePersistenceSpectrumDeltaMarkerPosition</li> <li>- rssipecan_ConfigureFrequencyMaskDirectory</li> <li>- rssipecan_ConfigureNoiseGeneratorAutoSwitchOff</li> <li>- rssipecan_InitNoiseGenerator</li> <li>- rssipecan_ConfigureTDSBSSyncToSlotRotateCodeChannels</li> <li>- rssipecan_ConfigureLTEDownlinkPRBSymbolOffset</li> <li>- rssipecan_TraceClear</li> <li>- rssipecan_ConfigureMarkerPeakListAnnotation</li> <li>- rssipecan_ConfigureMarkerPeakListState</li> <li>- rssipecan_ReadMarkerPeakList</li> <li>- rssipecan_SEStandardCatalog</li> <li>- rssipecan_SEStandardSave</li> <li>- rssipecan_SEStandardLoad</li> <li>- rssipecan_SEStandardDelete</li> <li>- rssipecan_SEMStandardSave</li> <li>- rssipecan_SEMStandardDelete</li> <li>* Modified:</li> <li>- rssipecan_ConfigureYIGFilter</li> <li>- rssipecan_ConfigureFMStereoAFFilter</li> <li>- rssipecan_ConfigurePowerMeasurement - added ZVH support</li> <li>- rssipecan_ConfigurePowerChannelBandwidth - added FSC support</li> </ul>

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_FetchPWMResult - fixed</li> <li>- rsspecan_ConfigureGSMK10Burst - added new burst types and modulations</li> <li>- rsspecan_ConfigureTriggerSource</li> <li>- rsspecan_ConfigureExternalGate</li> <li>- rsspecan_ConfigureExternalMixer</li> <li>- rsspecan_CreateExternalMixerConversionLossTable</li> <li>- rsspecan_FetchXTrace</li> <li>- rsspecan_SpectrogramMarkerSearch</li> <li>- rsspecan_SpectrogramDeltaMarkerSearch</li> <li>- rsspecan_ConfigureSpectrogramResultDisplayMode</li> <li>- rsspecan_ConfigureVSATraceEvaluation</li> <li>- rsspecan_ConfigureBDOAdvancedSettings</li> <li>- rsspecan_ConfigureMDOCodeDomainAnalyzerResults</li> <li>- rsspecan_QueryMDOCodeDomainAnalyzerResultSummary</li> <li>- rsspecan_ConfigureWlanMeasRange</li> <li>- rsspecan_ConfigureWiMAXDemodulation</li> <li>- rsspecan_ConfigureMarkerPeakList - added 2 new arguments</li> <li>- rsspecan_SetInstrumentFromMarker - fixed</li> </ul>
1.14.0	04/2011	Modifications: * Support for LTE Uplink added (FSV-K101, FSV-K105) * Modified functions: - rsspecan_ConfigureLevel (Amplitude Units update for FSH4/8) - rsspecan_QueryPowerResults - rsspecan_ConfigureAcquisition
1.13.0	03/2011	Modifications: Support for ZVH added
1.12.0	02/2011	Modifications: Support for FSH 4/8 version 1.40 added * New functions: - rsspecan_ConfigureAntennaSettings - rsspecan_SetChannelNumber - rsspecan_ConfigureRelativeDeltaMarkerPosition - rsspecan_ConfigureExternalGateTime - rsspecan_getGPSAltitude - rsspecan_ConfigureSEMPresetSettings - rsspecan_Configure3GPPFDDBSScramblingCode - rsspecan_ConfigureEVDOBSTPowerReference * Modified functions: - rsspecan_SelectPowerMeasurement - rsspecan_SetInstrumentFromMarker



rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_ConfigureExternalGate</li> <li>- rsspecan_ConfigureHardcopyDevice</li> <li>- rsspecan_QueryPowerResults</li> <li>- rsspecan_ConfigureSEMPresetStandard</li> <li>- rsspecan_Configure3GPPBSMeasurement</li> <li>- rsspecan_Configure3GPPBSResults</li> <li>- rsspecan_Search3GPPBSScramblingCode</li> <li>- rsspecan_Get3GPPBSResult</li> <li>- rsspecan_Get3GPPBSCDPResult</li> <li>- rsspecan_Get3GPPBSCDPScramblingCodeResult</li> <li>- rsspecan_ConfigureC2KBasicSettings</li> <li>- rsspecan_ConfigureBC2KAdvancedSettings</li> <li>- rsspecan_ConfigureBC2KAntennaSettings</li> <li>- rsspecan_ConfigureBC2KCodeDomainAnalyzerResults</li> <li>- rsspecan_ConfigureBC2KCodeDomainAnalyzerSettings</li> <li>- rsspecan_QueryBC2KCodeDomainAnalyzerResultSummary</li> <li>- rsspecan_ConfigureBDOSCodeDomainAnalyzerResults</li> <li>- rsspecan_ConfigureBDOSCodeDomainAnalyzerSettings</li> <li>- rsspecan_ConfigureBDOAdvancedSettings</li> <li>- rsspecan_QueryBDOSCodeDomainAnalyzerGeneralResults</li> <li>- RSSPECAN_ATTR_SERVICE_NOISE_SOURCE - remove B5 option checking</li> <li>- RSSPECAN_ATTR_FFT_FILTER_MODE - supported instrument models updated</li> <li>- RSSPECAN_ATTR_SWEEP_TYPE - supported instrument models and range table updated</li> </ul>
1.11.1	01/2011	Modifications: <ul style="list-style-type: none"> <li>- RSSPECAN_ATTR_PMET_SELECT - removed option and instrument checking</li> <li>- rsspecan_ConfigurePowerSensorAssignment - interface parameter renamed to intfc in header file</li> </ul>
1.11.	12/2010	Modifications: <ul style="list-style-type: none"> <li>* Added support for FSVR</li> <li>* Added support for FSV-K14. Old K14 renamed to Realtime Spectrum Analysis</li> <li>* Multiple power sensors support (FSV and FSVR)</li> <li>* New functions:               <ul style="list-style-type: none"> <li>- rsspecan_ConfigureGSMK10CorrelationThreshold</li> <li>- rsspecan_ConfigureGSMK10SwapIQ</li> <li>- rsspecan_ConfigureGSMK10MarkerZoom</li> <li>- rsspecan_ConfigureGSMK10ResultDisplay</li> <li>- rsspecan_ConfigureGSMK10UserTSC</li> <li>- rsspecan_ConfigureGSMK10PVTAAlignment</li> <li>- rsspecan_ReadGSMK10BurstSlotDeltaToSync</li> <li>- rsspecan_FetchGSMK10BurstSlotDeltaToSync</li> <li>- rsspecan_ReadGSMK10WideSpectrumResults</li> <li>- rsspecan_ReadGSMK10WideSpectrumGating</li> </ul> </li> </ul>

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_ConfigureTraceIQDataAnalyzerEnabled</li> <li>- rsspecan_ConfigurePowerChannelName</li> <li>- rsspecan_ConfigureDisplayFocusedArea</li> <li>- rsspecan_GetSelectedSubwindow</li> <li>- rsspecan_ConfigureDeltaMarkerBandPower</li> <li>- rsspecan_QueryDeltaMarkerBandPower</li> <li>- rsspecan_ConfigureMarkerBandPower</li> <li>- rsspecan_QueryMarkerBandPower</li> <li>- rsspecan_SystemShutdown</li> <li>- rsspecan_ConfigureDigitalBasebandInputCoupling</li> <li>- rsspecan_ConfigureDigitalBasebandInputParameters Auto</li> <li>- rsspecan_Configure3GPPFDDBSWCDPSingleAntennaMIMOMode</li> <li>- rsspecan_Get3GPPFDDBSTimeAlignmentErrorResult</li> <li>- rsspecan_ConfigureTDSBSChannelTableMaxModulation</li> <li>- rsspecan_ConfigureTDSUEChannelTableMaxModulation</li> <li>- rsspecan_ConfigureTDSBSSyncToSlotMode</li> <li>- rsspecan_ConfigureTDSUESEMLimits</li> <li>- rsspecan_ConfigureTDSUESyncToSlotMode</li> <li>- rsspecan_ConfigureWiMAXSTCMIMO</li> <li>- rsspecan_ConfigureWiMAXAutoDemodulation</li> <li>- rsspecan_ConfigureWiMAXSTCMIMODemodulation</li> <li>- rsspecan_ConfigureWiMAXBurstBoosting</li> <li>- rsspecan_ConfigureWiMAXZoneSTCMode</li> <li>- rsspecan_ConfigureWiMAXZoneBurstSTCMode</li> <li>- rsspecan_ConfigureWiMAXTTCSsubframeLengthMeasure</li> <li>- rsspecan_ConfigureWiMAXTTCSsubframeLength</li> </ul> <p>* Modified functions:</p> <ul style="list-style-type: none"> <li>- rsspecan_ConfigureGSMK10Burst - added possibility to define user TSC</li> <li>- rsspecan_ConfigureGSMK10Measurement - added Wide Spectrum</li> <li>- rsspecan_ConfigureNoiseMeasurementMode - added Single Frequency Single Sweep Measurement and Single Frequency Continuous Measurement</li> <li>- rsspecan_ConfigureReferenceFixedPoint - fixed</li> <li>- rsspecan_QueryPowerResults - added AOB</li> <li>- rsspecan_ConfigureTriggerSource - added RFP</li> <li>- rsspecan_ConfigureExternalGate - added RFP</li> <li>- rsspecan_QueryFMStereoChannelTypeResults - added Cross Talk</li> <li>- rsspecan_ConfigureVSAMarkerSearch - added Magnitude</li> <li>- rsspecan_Set3GPPFDDBSMeasurement - added Time Alignment Error</li> <li>- rsspecan_GetTDSBSResult - added Average RCDE of active channels</li> <li>- rsspecan_GetTDSUEResult - added Average RCDE of active channels</li> <li>- rsspecan_ConfigureWiMAXDemodulation - added new modulation detection modes</li> </ul>

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_ConfigureWiMAXZoneSpaceTimeCoding - added One Antenna (MIMO only)</li> <li>- rsspecan_CreateWiMAXNewZoneBurst - added Modulation Auto</li> <li>- rsspecan_ConfigureWiMAXZoneBurst - added Modulation Auto</li> <li>- rsspecan_ConfigureWiMAXSpectrumMeasurement - added ETSI30254401,BW10M; ETSI30254401,BW5M</li> <li>- rsspecan_ConfigureWiMAXSEMMeasurement - added ETSI EN 30254401 standard for 5MHz BW and ETSI EN 30254401 standard for 10MHz BW</li> <li>- rsspecan_FileManagerOperations - added Delete File Immediate</li> </ul>
1.10.2	07/2010	<p>Modifications:</p> <p>Initial Release for Mac OS X support for:</p> <ul style="list-style-type: none"> <li>- Snow Leopard (10.5.x)</li> </ul> <p>Distance to Fault measurement is no longer available for FSC</p> <p>Power meter mode is no longer available for FSC</p> <p>Fixed attributes:</p> <p>RSSPECAN_ATTR_FREQUENCY_CENTER_LINK - added DIVT option</p> <p>RSSPECAN_ATTR_PMET_MODE - added wait for OPC</p>
1.10.1	06/2010	<p>Modifications:</p> <p>Added support of K40 option for FSV instrument</p> <p>Fixed for 64-bit support</p>
1.10.0	06/2010	<p>Modifications:</p> <p>Support for FSQ-K110 version 4.50 added</p> <p>Added Functions:</p> <ul style="list-style-type: none"> <li>- rsspecan_DTFMode</li> </ul> <p>Updates and fixes:</p> <ul style="list-style-type: none"> <li>- rsspecan_setStatusRegister</li> <li>- rsspecan_getStatusRegister</li> <li>- rsspecan_PWMMode - now supports FSH and FSC</li> </ul>
1.9.0	03/2010	<p>Modifications:</p> <ul style="list-style-type: none"> <li>* Support for FSV-K70 version 1.40 added</li> </ul> <p>Added functions/attributes:</p> <ul style="list-style-type: none"> <li>- rsspecan_ConfigureDisplayZoom</li> <li>- rsspecan_YAxisAutoScale</li> <li>- rsspecan_ConfigureDigitalBasebandInputTriggerSource</li> <li>- rsspecan_ConfigureDigitalBasebandInputTriggerParameters</li> <li>- rsspecan_ConfigureVSAScreenCoupling</li> <li>- rsspecan_ConfigureVSAMarkerSearch</li> </ul>

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_ConfigureVSAMarkerPeakSearch</li> <li>- rsspecan_VSAAdjustReferenceLevelToFullScaleLevel</li> <li>- rsspecan_ConfigureVSAPatternSearchAutoConfiguration</li> <li>- rsspecan_PresetVSAScreens</li> <li>- rsspecan_ConfigureVSABurstSearchAuto</li> <li>- rsspecan_ConfigureVSABurstSearchAutoConfiguration</li> <li>- rsspecan_ConfigureVSAPatternSearchAutoConfiguration</li> <li>- rsspecan_ConfigureVSASignalType</li> <li>- rsspecan_ConfigureVSAPatternSignalState</li> <li>- rsspecan_ConfigureVSAPatternOffset</li> <li>- rsspecan_ConfigureVSATXFilter</li> <li>- rsspecan_ConfigureVSACompensation</li> <li>- rsspecan_ConfigureVSAMeasurementFilter</li> <li>- rsspecan_ConfigureVSADisplayPointPerSymbol</li> <li>- rsspecan_ConfigureVSACaptureOversampling</li> <li>- rsspecan_ConfigureVSATraceEvaluation</li> <li>- rsspecan_ConfigureVSADisplayWindowState</li> <li>- rsspecan_ConfigureVSAModulationAccuracy</li> <li>- rsspecan_GetVSAAllResults</li> <li>- rsspecan_ConfigureWiMAXFrameIDCellAuto</li> <li>- rsspecan_ConfigureWiMAXFramePredefinedMap</li> <li>* Updates and fixes:</li> <li>- rsspecan_GetVSAResult</li> <li>- rsspecan_ConfigureVSADisplayAlignment</li> <li>- rsspecan_VSAImport</li> <li>- rsspecan_VSAExport</li> <li>- rsspecan_ConfigureVSAFileExport</li> <li>- rsspecan_ConfigureVSAFileImport</li> <li>- rsspecan_ConfigureVSAEVMModulation</li> <li>- rsspecan_ConfigureVSAEqualizerMode</li> <li>- rsspecan_ConfigureVSAEqualizer</li> <li>- rsspecan_VSAEqualizerOperations</li> <li>- rsspecan_GetVSAModulationFilterCatalog</li> <li>- rsspecan_ConfigureVSAModulationFilters</li> <li>- rsspecan_ConfigureVSACompressionPointMeasurement</li> <li>- rsspecan_GetVSACompressionPointResults</li> <li>- rsspecan_ConfigureVSABurstSearchHysteresis</li> <li>- rsspecan_ConfigureVSABurstSearch</li> <li>- rsspecan_ConfigureVSAMultipleEvaluation</li> <li>- rsspecan_VSASearchBurstInCaptureRam</li> <li>- rsspecan_ConfigureVSAMultipleEvaluationZoom</li> </ul>

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_GetVSADigitalStandardCatalog</li> <li>- rsspecan_VSADigitalStandardSave</li> <li>- rsspecan_ConfigureVSAForceWBPath</li> <li>- rsspecan_SetVSAFactoryDefaults</li> <li>- rsspecan_ConfigureVSAModulation</li> <li>- rsspecan_ConfigureVSADisplayYAxis</li> <li>- rsspecan_ConfigureVSADisplayXAxis</li> <li>- rsspecan_GetVSAPatternCatalog</li> <li>- rsspecan_TraceIQSet</li> <li>- rsspecan_RunReceiverMeasurement</li> <li>- rsspecan_ConfigurePowerSensorPowerDisplay (panel modified)</li> </ul>
1.8.0	01/2010	<p>Modifications:</p> <p>Support for FSH 4/8 version 1.20 &amp; 1.21 added K10 (GSM Measurement) no longer limited to FSV instrument</p> <p>Updates and fixes</p> <ul style="list-style-type: none"> <li>- rsspecan_GSMK10Mode</li> <li>- added instrument checking (FSC) to attributes</li> </ul>
1.7.0	11/2009	<p>Modifications:</p> <ul style="list-style-type: none"> <li>- Support for FSV version 1.40 added</li> <li>- Support for K7S (FM Stereo) added</li> <li>- Support for K100 and K102 added</li> <li>- Support for FSMR version 4.36 added, tested and debugged</li> <li>- Support for FSH4/8 version 1.10 added</li> <li>- Support for FSV version 1.20 added</li> </ul> <p>Added functions/attributes:</p> <ul style="list-style-type: none"> <li>- rsspecan_ConfigureTraceIQGate</li> <li>- rsspecan_ConfigureTraceIQDataDisplayType</li> <li>- rsspecan_QueryTraceIQFilterBandwidth</li> <li>- rsspecan_QueryExternalMixerRFStartStop</li> <li>- rsspecan_ConfigureExternalMixerHandoverFrequency</li> <li>- rsspecan_ConfigureExternalMixerRFOverrange</li> <li>- rsspecan_ConfigureExternalMixerPresetBand</li> <li>- rsspecan_ConfigureExternalMixerHighHarmonic</li> <li>- rsspecan_ConfigureDigitalBasebandOutput</li> <li>- rsspecan_ConfigureDigitalBasebandFullScaleLevel</li> <li>- rsspecan_ConfigurePWM DutyCycle</li> <li>- rsspecan_ConfigureGSMK10Synchronization</li> <li>- rsspecan_ConfigureGSMK10DemodulationEqualTimeslotLength</li> <li>- rsspecan_ConfigureGSMK10PVTFILTER</li> </ul>

rssipecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rssipecan_ConfigureGSMK10ModulationTransientSpectrum</li> <li>- rssipecan_ConfigureGSMK10MultiCarrier</li> <li>- rssipecan_ConfigureWLANFFTStartOffset</li> <li>* Updates and fixes</li> <li>- rssipecan_TraceIQExtendedBandwidth</li> <li>- rssipecan_ConfigureExternalMixerEnabled</li> <li>- rssipecan_ConfigureExternalMixerNumberOfPorts</li> <li>- rssipecan_ConfigureExternalMixer</li> <li>- rssipecan_ConfigureExternalMixerSignalIDMode</li> <li>- rssipecan_ConfigureExternalMixerBias (function API redesigned)</li> <li>- rssipecan_ConfigureExternalMixerConversionLoss (function API redesigned)</li> <li>- rssipecan_ConfigureExternalMixerConversionLossTable (function removed)</li> <li>- rssipecan_ConfigureExternalMixerLowPower</li> <li>- rssipecan_CreateExternalMixerConversionLossTable</li> <li>- rssipecan_ExternalMixerConversionLossTableSelect</li> <li>- rssipecan_ExternalMixerConversionLossTableDelete</li> <li>- rssipecan_ExternalMixerConversionLossTableCatalog</li> <li>- rssipecan_PhaseNoisePeakSearchAuto</li> <li>- rssipecan_ConfigureMeasuringReceiverRelativeLevelMeasurement</li> <li>- rssipecan_ReadGSMK10MeasurementResults</li> <li>- rssipecan_FetchGSMK10MeasurementResults</li> <li>- rssipecan_Configure3GPPFDDBSChannelTableData</li> <li>- rssipecan_Get3GPPBSCDPScramblingCodeResult</li> <li>- rssipecan_Get3GPPBSCDPListEvaluationResult</li> <li>- rssipecan_ConfigureWlanBasebandSignalLevel</li> </ul> <p>2009-10-30 Jiri Kominek</p> <ul style="list-style-type: none"> <li>* Version 1.6.0</li> <li>* Support for K100 and K102 added</li> <li>* Fixed rssipecan_ConfigureSEMRRangeRFAttenuation</li> </ul> <p>2009-10-01 Petr Kominek, Jiri Kominek</p> <ul style="list-style-type: none"> <li>* Version 1.5.1</li> <li>* Support for FSMR version 4.36 added, tested and debugged</li> </ul> <p>2009-08-10 Petr Kominek</p> <ul style="list-style-type: none"> <li>* Version 1.5.0</li> <li>* Support for FSH4/8 version 1.10 added</li> <li>* Support for FSV version 1.20 added</li> <li>* Support for FSMR version 4.36 added (untested betaversion)</li> </ul>
1.4.0	06/2009	Modifications:

rssipecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<p>Support for FSUP (Signal Source Analyzer) instrument added</p> <p>Updates and fixes</p> <ul style="list-style-type: none"> <li>- rssipecan_LXIIInfo (deleted)</li> <li>- rssipecan_LXIInstrumentDescription (deleted)</li> <li>- rssipecan_LXILANReset (deleted)</li> <li>- rssipecan_LXIPassword (deleted)</li> <li>- rssipecan_ConfigureFilterType</li> <li>- rssipecan_ConfigureLevel</li> <li>- rssipecan_ConfigureUnitPower</li> <li>- rssipecan_TraceQAveraging</li> <li>- rssipecan_ConfigureSubtractTraces</li> <li>- rssipecan_StoreMarkerPeakList</li> <li>- rssipecan_ConfigureReferenceOscillator</li> <li>- rssipecan_ConfigureExternalMixerSignalIDMode</li> <li>- rssipecan_ConfigureSESweepListFilterType</li> <li>- rssipecan_ConfigureSESweepListPreamplifier</li> <li>- rssipecan_ConfigureWiMAXZoneMatrix (renamed from rssipecan_ConfigureWiMAXZoneMartix)</li> <li>- rssipecan_ConfigureWiMAXZoneBurstMatrix (renamed from rssipecan_ConfigureWiMAXZoneBurstMartix)</li> <li>- rssipecan_ServiceConfigurePulsedInput</li> <li>- rssipecan_DataSetFileSelectItems</li> <li>- rssipecan_setStatusRegister</li> <li>- rssipecan_getStatusRegister</li> <li>- rssipecan_ReadGsmModSpectrum (Status control help fixed)</li> <li>- rssipecan_FetchGsmModSpectrum (Status control help fixed)</li> <li>- rssipecan_ReadGsmTransSpectrum (Status control help fixed)</li> <li>- rssipecan_FetchGsmTransSpectrum (Status control help fixed)</li> </ul>
1.3.0	05/2009	<p>Driver update for Spectrum Analyzer firmware 4.40:</p> <p>Modifications:</p> <p>Added functions/attributes:</p> <ul style="list-style-type: none"> <li>- rssipecan_ConfigureFrequencyZeroSpan</li> <li>- rssipecan_QuerySelectedReferenceOscillatorSource</li> <li>- rssipecan_ConfigureReferenceOscillatorExternalPLLBandwidth</li> <li>- rssipecan_QueryChannelPowerStandardCatalog</li> <li>- rssipecan_ConfigureChannelPowerUserStandard</li> <li>- rssipecan_ACPChannelPowerAdjustRefLevelOffset</li> <li>- rssipecan_ACPAdjustReferenceLevelToChannelPower</li> <li>- rssipecan_ConfigureSignalStatisticMeanPowerPosition</li> <li>- rssipecan_ConfigureTOIPositioning</li> </ul>

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- rsspecan_QueryHDistBandwidthList</li> <li>- rsspecan_QueryDigitalBasebandInputOutputConfiguration</li> <li>- rsspecan_ConfigureVSAFileImport</li> <li>- rsspecan_ConfigureWiMAXZoneMartix</li> <li>- rsspecan_ConfigureWiMAXZoneBurstMartix</li> <li>- rsspecan_ConfigureWiMAXTTCTStart</li> <li>- rsspecan_ConfigurePWMBBarGraphView</li> <li>* Updates and fixes:</li> <li>- rsspecan_ConfigureMarkerZoomState</li> <li>- rsspecan_ConfigureReferenceOscillator</li> <li>- rsspecan_ConfigureIFPowerTriggerParameters</li> <li>- rsspecan_InitiateSpurious</li> <li>- rsspecan_InitiateSEMMeasurement</li> <li>- rsspecan_ConfigureChannelPowerStandard</li> <li>- rsspecan_ConfigurePowerChannelWeightingFilters</li> <li>- rsspecan_ConfigureHDistMeasurement</li> <li>- rsspecan_ConfigureSESweepListLimits</li> <li>- rsspecan_ConfigureVSAModulation</li> <li>- rsspecan_ConfigureVSAFileExport</li> <li>- rsspecan_Get3GPPBSResult</li> <li>- rsspecan_Get3GPPUERResult</li> <li>- rsspecan_FetchWlanBurstAll</li> <li>- rsspecan_ConfigureWiMAXSpectrumMeasurement</li> <li>- rsspecan_ConfigureWiMAXSEMMeasurement</li> <li>- rsspecan_FetchWiMAXBurstAll</li> <li>- rsspecan_FetchWiMAXEVM</li> <li>- rsspecan_WriteFromFileToInstrument</li> <li>- rsspecan_setStatusRegister</li> <li>- rsspecan_getStatusRegister</li> <li>- rsspecan_ConfigureTransducerFactor</li> </ul>
1.2.1	04/2009	<p>Modifications:</p> <p>Support for R&amp;S ESL FW 1.82 added</p> <p>Initial Release for Linux, support for:</p> <ul style="list-style-type: none"> <li>- Mandriva Linux 2008 and Mandriva Linux 2009</li> <li>- openSUSE 10.3 and openSUSE 11.0</li> </ul> <p>Added functions:</p> <ul style="list-style-type: none"> <li>- rsspecan_ReadReceiverDetectorExt</li> <li>- rsspecan_ReadScanMeasurementStatus</li> <li>- rsspecan_ReadPeakResults</li> </ul>



rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		Updates and fixes: <ul style="list-style-type: none"> <li>- rsspecan_ConfigureLimitLine</li> <li>- rsspecan_ConfigureFinalReceiverDetector</li> <li>- rsspecan_ConfigureReceiverDetector</li> <li>- rsspecan_ConfigurePWMMeasurement</li> <li>- rsspecan_DataSetFileSelectItems</li> <li>- rsspecan_ConfigureWlanSEMMeasurement</li> </ul> * Fixed rsidr_core - see rsidr_core.c for list of changes
1.2.0	03/2009	Modifications: Support for FSH4/FSH8 FW 1.0 added  Updates and fixes: <ul style="list-style-type: none"> <li>- rsspecan_SetSANMode</li> <li>- rsspecan_ConfigureFrequencyStepSize</li> <li>- rsspecan_ConfigureLevel</li> <li>- rsspecan_ConfigureTraceDetector</li> <li>- rsspecan_MarkerSearch</li> <li>- rsspecan_ConfigureDeltaMarker</li> <li>- rsspecan_ConfigureDeltaMarkerPosition</li> <li>- rsspecan_DeltaMarkerSearch</li> <li>- rsspecan_QueryDeltaMarker</li> <li>- rsspecan_ConfigureTrigger</li> <li>- rsspecan_ConfigureDisplayLineState</li> <li>- rsspecan_ConfigureDisplayLinePosition</li> <li>- rsspecan_Initiate</li> <li>- rsspecan_TraceIQAveraging</li> </ul> Help updated <ul style="list-style-type: none"> <li>- rsspecan_InitAttributes</li> </ul> * Fixed rsidr_core - see rsidr_core.c for list of changes
1.1.1	01/2009	Bug fixed when reading out the trace I/Q data  Updated functions: <ul style="list-style-type: none"> <li>rsspecan_ReadTraceIQData</li> <li>rsspecan_FetchTraceIQData</li> </ul>
1.1.0	01/2009	Driver update for Spectrum Analyzer firmware 4.30:

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		<p>New functions:</p> <p>rsspecan_TraceIQExtendedBandwidth</p> <p>rsspecan_ApplicationSetupRecovery</p> <p>rsspecan_ConfigureIFShift</p> <p>rsspecan_ConfigurePhaseFrequencyTolerance</p> <p>rsspecan_ConfigureVSAEVMOffsetState</p> <p>rsspecan_ConfigureTDSBSSyncToSlot</p> <p>rsspecan_ConfigureTDSBSUCPICH</p> <p>rsspecan_ConfigureTDSUESyncToSlot</p> <p>rsspecan_ConfigureTDSUEUCPICH</p> <p>rsspecan_ConfigureWiMAXNumberOfAntennas</p> <p>rsspecan_ConfigureWiMAXZoneSpaceTimeCoding</p> <p>Updated functions:</p> <p>rsspecan_ConfigureFilterType</p> <p>rsspecan_ConfigureSESweepListFilterType</p> <p>rsspecan_TracePhaseSettings</p> <p>rsspecan_Get3GPPBSResult</p> <p>rsspecan_Get3GPPUEResult</p> <p>rsspecan_ConfigureWiMAXStandard</p> <p>rsspecan_CreateWiMAXNewZoneBurst</p> <p>rsspecan_ConfigureWiMAXZoneBurst</p> <p>rsspecan_FetchWiMAXBurstPower</p> <p>Added support for FSV Signal and Spectrum Analyzer (FW 1.10):</p> <p>New functions:</p> <p>rsspecan_ConfigureFrequencyStepSizeAuto</p> <p>rsspecan_ConfigureFrequencyMode</p> <p>rsspecan_ConfigureHorizontalScale</p> <p>rsspecan_ConfigureSweepType</p> <p>rsspecan_ConfigureMarkerSearchLimitsZoom</p> <p>rsspecan_LXIInfo</p> <p>rsspecan_LXIInstrumentDescription</p> <p>rsspecan_LXILANReset</p> <p>rsspecan_LXIPassword</p> <p>rsspecan_ConfigureExternalGateTrace</p> <p>rsspecan_ConfigureDisplaySettings</p> <p>rsspecan_GetDisplayThemeCatalog</p> <p>rsspecan_ConfigureDisplayThemeSelect</p> <p>rsspecan_ConfigureDisplayMarkerTable</p> <p>rsspecan_HardcopyPrintNext</p> <p>rsspecan_HardcopyTimeDate</p>

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		rsspecan_ConfigureAutoAdjust rsspecan_QueryNdBQFactor rsspecan_ConfigurePowerChannelWeightingFilters rsspecan_TOISignalSearch rsspecan_ConfigureFastSEM rsspecan_StoreSEMPresetSettings rsspecan_ConfigureSEMUsedPowerClasses rsspecan_ConfigureSEMPowerClassCount rsspecan_ConfigureSEMPowerClassLimits rsspecan_ConfigureSEMPowerClassAllLimits rsspecan_QuerySEMPowerClassAllLimits rsspecan_ConfigureADemodZoomLength Updated functions: rsspecan_QueryDeltaMarker rsspecan_ConfigureTriggerSource rsspecan_ConfigureIFPowerTriggerParameters rsspecan_ConfigureTVTrigger rsspecan_ConfigureExternalGate rsspecan_ConfigureRFInputCoupling rsspecan_ConfigureElectronicAttenuator rsspecan_ConfigurePreamplifierState rsspecan_InputProtectionReset rsspecan_ConfigureLimitLine rsspecan_ConfigureTransducerFactor rsspecan_GetTransducerFactorCatalog rsspecan_ReadYTrace rsspecan_FetchYTrace rsspecan_GetCurrentResults rsspecan_InitiateSEMMeasurement rsspecan_ConfigureMarkerNoiseMeasurement rsspecan_QueryMarkerNoiseMeasurementResult rsspecan_ConfigureMarkerFrequencyCounter rsspecan_QueryMarkerFrequencyCounterResult rsspecan_ConfigureListPowerAverageType rsspecan_ConfigureChannelPowerTrace rsspecan_ConfigureChannelPowerStandard rsspecan_QuerySignalStatisticResult rsspecan_ModulationDepthSignalSearch rsspecan_ConfigureHDistMeasurement rsspecan_ConfigurePWMEExternalPowerTrigger rsspecan_Configure3GPPBSResultType

rsspecan Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, C#, VEE, etc.		
Revision	Date	Note
		rsspecan_ConfigureWlanStandard rsspecan_CreateWiMAXNewZone rsspecan_ConfigureWiMAXZone rsspecan_ServiceConfigureInput rsspecan_ServiceConfigurePulsedInput rsspecan_MemorySize rsspecan_ConfigureVerticalScale rsspecan_ConfigureSweepPoints rsspecan_ConfigureSignalTrack rsspecan_MarkerSearch rsspecan_MoveMarker rsspecan_SetInstrumentFromMarker rsspecan_LinkMarkerAndDeltamarker rsspecan_QueryMarker rsspecan_ProbabilityMarkerPosition rsspecan_ConfigureIFOutputSource rsspecan_ConfigureUnitPower rsspecan_ConfigureMarker rsspecan_ConfigureMarkerDemodulation rsspecan_ConfigureMarkerPeakList rsspecan_StoreMarkerPeakList rsspecan_QueryMarkerPeakListFound rsspecan_QueryMarkerPeakList rsspecan_ConfigureDeltaMarker rsspecan_ConfigureDeltaMarkerPosition rsspecan_DeltaMarkerSearch rsspecan_ConfigureSESweepListSweep rsspecan_ConfigureSESweepListLimits rsspecan_SEMMarkAllPeaks rsspecan_ConfigureSEMReferenceRange rsspecan_QuerySEMReferenceRangePosition rsspecan_ConfigureSEMPresetStandard rsspecan_RestoreSEMStandardFiles rsspecan_SEMSaveListToFile rsspecan_ConfigureADemodAFParam  Driver update for FSL Spectrum Analyzer firmware 1.90: New functions: rsspecan_ConfigureAttenuationMode rsspecan_ServiceVersionInfo rsspecan_NetworkMapDrive

<b>rsspecan Instrument Driver</b>		
<b>Driver history for LabWindows/CVI and VXIplug&amp;play Instrument Driver for C/C++, C#, VEE, etc.</b>		
Revision	Date	Note
		rsspecan_NetworkDisconnectDrive rsspecan_NetworkUnusedDrivesList rsspecan_NetworkUsedDrivesList rsspecan_NetworkShowFolderInfo Updated functions: rsspecan_ConfigureAveragingType rsspecan_ConfigureSubtractTraces rsspecan_ConfigureHardcopyDevice rsspecan_ConfigureSEM rsspecan_FileDirectoryPath
1.0.1	11/2008	New functions: - rsspecan_ReadScanMeasurement - rsspecan_RunReceiverMeasurement
1.0	10/2008	Initial revision

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- Energy-efficient products
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