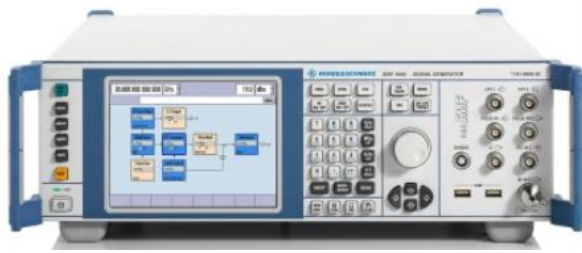


# LabVIEW driver history for the R&S® Microwave Signal Generator

## Products:

| R&S®SMF100A



Driver history for LabVIEW

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# 1 Supported Instruments

In the following table, the supported Rohde & Schwarz 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>
SMF100A	3.20	

## 2 Getting Started

### 2.1 LabVIEW version

The Rohde & Schwarz **rsmf** Instrument driver can be used in **LabVIEW 2010** and later

### 2.2 Installation

Install the 32-bit driver or 64-bit driver based on your LabVIEW type, **not based on your Windows OS type.**

Prior to the installation of the LabVIEW driver, please install the corresponding (x86 or x64) rsmf VXiPnp driver downloadable from here:

<https://www.rohde-schwarz.com/driver/smf100a>

## 3 LabVIEW driver history

rsmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
2.22.0	07/2018	<p>New LabVIEW installer, the precondition is installation of rsmf VXIpn driver 2.21.1 or newer</p> <p>Only LabVIEW wrapper changed, no changes to the underlying VXIpn driver</p> <p>New Front Panels for all VIs</p> <p>New VI icons for common VIs</p> <p>New palette Icon</p> <p>New Help format</p> <p>New wrapper formats for all the DII-Nodes</p> <p>Fixed buffer allocation bugs for VIs returning strings</p> <p>Removed ArraySize parameters when not necessary</p> <p>Changed inputs from recommended to mandatory on several VIs</p> <p>Fixed VIs where no output values were provided</p> <p>Several bug fixes</p>
2.21.1	02/2017	<p>RSSMF Power Read Powers.vi</p> <p>RSSMF ID Query Response.vi</p> <p>RSSMF Process All Previous Commands.vi</p> <p>RSSMF Query OPC.vi</p> <p>* Modified:</p> <p>RSSMF Read To File.vi - accepts files larger than 1GB</p> <p>RSSMF Write From File.vi - accepts files larger than 1GB</p>
2.21.0	07/2016	<p>Modified error reporting in case of invalid parameter. Instead of returning error code according to invalid parameter, functions return always the same code VI_ERROR_INSTR_PARAMETER. Using rsmf_error_message shall give name of invalid parameter in error message.</p> <p>RSSMF Error Query.vi reads all errors from instrument's error queue</p>
2.20.0	11/2011	<p>Driver update for SMF100A FW Support for FW 2.20.232</p> <p>* New:</p> <p>RSSMF Get Display Lock.vi</p> <p>RSSMF Get Display Update.vi</p> <p>RSSMF Get Frequency Sweep Time.vi</p> <p>RSSMF Get LF Level Sweep Shape.vi</p> <p>RSSMF Get LF Sweep Shape.vi</p> <p>RSSMF Get LFGen Bandwidth.vi</p> <p>RSSMF Get Power Sweep Frequency Slope.vi</p> <p>RSSMF Get Power Sweep Time Trigger Events.vi</p> <p>RSSMF Get SYSTem Error List.vi</p>

rsmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF Set Display Lock.vi RSSMF Set Display Update.vi RSSMF Set Frequency Sweep Marker Transfer.vi RSSMF Set Frequency Sweep Time.vi RSSMF Set LF Level Sweep Shape.vi RSSMF Set LF Sweep Shape.vi RSSMF Set LFGGen Bandwidth.vi RSSMF Set Power Sweep Frequency Slope.vi RSSMF Set Power Sweep Time Trigger Events.vi RSSMF SYSTEM Factory Preset.vi * Removed: RSSMF Set Keyboard Layout.vi RSSMF Get Keyboard Layout.vi RSSMF Set Keyboard Language.vi RSSMF Get Keyboard Language.vi
2.15.0	08/2010	Driver update for SMF100A FW Support for FW 2.15.181  New VIs: Power Sensor Gate mode Power Sensor mathematics RF Phase Settings Pulse Train import/export RSSMF Get Automatic File Path.vi RSSMF Set Power Sweep Time Averaging Factor.vi RSSMF Get Power Sweep Time Averaging Factor.vi RSSMF Set Power Display Indication.vi RSSMF Get Power Display Indication.vi RSSMF Trigger User Correction Measurement.vi RSSMF Set User Correction Power Sensor Type.vi RSSMF Get User Correction Power Sensor Type.vi RSSMF Set ALC Detector.vi RSSMF Get ALC Detector.vi RSSMF Set ALC Power Sensor Type.vi RSSMF Get ALC Power Sensor Type.vi RSSMF Set ALC Reference Voltage.vi RSSMF Get ALC Reference Voltage.vi RSSMF Learn LIST Mode Data.vi RSSMF Set RF OFF Attenuator Mode.vi RSSMF Get RF OFF Attenuator Mode.vi RSSMF Set PULM Sync To Internal Clock.vi RSSMF Get PULM Sync To Internal Clock.vi

rssmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF Set PULM Double Width.vi
		RSSMF Get PULM Double Width.vi
		RSSMF Get PULM Pulse Train Length.vi
		RSSMF Configure LF Sweep Marker.vi
		RSSMF Set LF Sweep Marker State.vi
		RSSMF Get LF Sweep Marker State.vi
		RSSMF Set LF Sweep Marker Frequency.vi
		RSSMF Get LF Sweep Marker Frequency.vi
		RSSMF Set LF Sweep Amplitude Marker State.vi
		RSSMF Get LF Sweep Amplitude Marker State.vi
		RSSMF Set LF Sweep Amplitude Marker Attenuation.vi
		RSSMF Get LF Sweep Amplitude Marker Attenuation.vi
		RSSMF Set LF Sweep Marker Polarity.vi
		RSSMF Get LF Sweep Marker Polarity.vi
		RSSMF Set LF Sweep Active Marker.vi
		RSSMF Get LF Sweep Active Marker.vi
		RSSMF Set LF Sweep All Markers Off.vi
		RSSMF Configure LF Level Sweep Marker.vi
		RSSMF Set LF Level Sweep Marker State.vi
		RSSMF Get LF Level Sweep Marker State.vi
		RSSMF Set LF Level Sweep Marker Level.vi
		RSSMF Get LF Level Sweep Marker Level.vi
		RSSMF Set LF Level Sweep Marker Polarity.vi
		RSSMF Get LF Level Sweep Marker Polarity.vi
		RSSMF Set LF Level Sweep Active Marker.vi
		RSSMF Get LF Level Sweep Active Marker.vi
		RSSMF Set LF Level Sweep All Markers Off.vi
		RSSMF Configure Frequency Sweep Marker.vi
		RSSMF Set Frequency Sweep Ramp Time.vi
		RSSMF Get Frequency Sweep Ramp Time.vi
		RSSMF Set Frequency Sweep Marker State.vi
		RSSMF Get Frequency Sweep Marker State.vi
		RSSMF Set Frequency Sweep Marker Frequency.vi
		RSSMF Get Frequency Sweep Marker Frequency.vi
		RSSMF Set Frequency Sweep Amplitude Marker State.vi
		RSSMF Get Frequency Sweep Amplitude Marker State.vi
		RSSMF Set Frequency Sweep Amplitude Marker Attenuation.vi
		RSSMF Get Frequency Sweep Amplitude Marker Attenuation.vi
		RSSMF Set Frequency Sweep Marker Polarity.vi
		RSSMF Get Frequency Sweep Marker Polarity.vi
		RSSMF Set Frequency Sweep Active Marker.vi

rssmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF Get Frequency Sweep Active Marker.vi RSSMF Set Frequency Sweep All Markers Off.vi RSSMF Set Power Sweep Frequency Reference X Values.vi RSSMF Get Power Sweep Frequency Reference X Values.vi RSSMF Set Power Sweep Frequency Reference Y Values.vi RSSMF Get Power Sweep Frequency Reference Y Values.vi RSSMF Generate Power Sweep Frequency Reference Curve.vi RSSMF Set Power Sweep Power Reference X Values.vi RSSMF Get Power Sweep Power Reference X Values.vi RSSMF Set Power Sweep Power Reference Y Values.vi RSSMF Get Power Sweep Power Reference Y Values.vi RSSMF Get Power Sweep Power Reference Number Of Points.vi RSSMF Generate Power Sweep Power Reference Curve.vi RSSMF Set Power Sweep Time Reference X Values.vi RSSMF Get Power Sweep Time Reference X Values.vi RSSMF Set Power Sweep Time Reference Y Values.vi RSSMF Get Power Sweep Time Reference Y Values.vi RSSMF Get Power Sweep Time Reference Number Of Points.vi RSSMF Generate Power Sweep Time Reference Curve.vi RSSMF Configure Level Sweep Marker.vi RSSMF Set Level Sweep Marker State.vi RSSMF Get Level Sweep Marker State.vi RSSMF Set Level Sweep Marker Level.vi RSSMF Get Level Sweep Marker Level.vi RSSMF Set Level Sweep Marker Polarity.vi RSSMF Get Level Sweep Marker Polarity.vi RSSMF Set Level Sweep Active Marker.vi RSSMF Get Level Sweep Active Marker.vi RSSMF Set Level Sweep All Markers Off.vi RSSMF SYSTem GPIB Resource.vi RSSMF SYSTem Serial Resource.vi RSSMF SYSTem Option User Defined.vi Modified Vis: Reorganize of Power Sensor RSSMF Set Power Source.vi RSSMF Get Power Source.vi RSSMF Get Power Sweep Data Points.vi RSSMF Get Power Sweep Data X Values.vi RSSMF Get Power Sweep Data Y Values.vi Removed Vis: RSSMF CALibration Clock Synthesis.vi



rsmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF Set ALC Off Mode.vi RSSMF Get ALC Off Mode.vi RSSMF CALibration FM Offset.vi RSSMF Set CALibration Level AdjustmentData.vi RSSMF Get CALibration Level AdjustmentData.vi RSSMF Set Power Use SParameters.vi RSSMF Set Power Sweep Time Timing.vi RSSMF Get Power Sweep Time Timing.vi
2.05.4	10/2009	Driver update for SMF100A FW 2.05.244.23  New VIs: RSSMF Set PULM Train Repetition.vi RSSMF Get PULM Train Repetition.vi RSSMF Configure List.vi RSSMF LIST Catalog.vi RSSMF LIST Delete List.vi RSSMF LIST Delete All.vi RSSMF LIST Reset List.vi RSSMF LIST Trigger Execute.vi RSSMF Set LIST Mode.vi RSSMF Set LIST Dwell Time.vi RSSMF Get LIST Dwell Time.vi RSSMF Set LIST Select List.vi RSSMF Get LIST Select List.vi RSSMF Set LIST Frequency Values.vi RSSMF Get LIST Frequency Values.vi RSSMF Get LIST Frequency Points.vi RSSMF Set LIST Power Values.vi RSSMF Get LIST Power Values.vi RSSMF Get LIST Power Points.vi RSSMF Set LIST Attenuator Mode.vi RSSMF Get LIST Attenuator Mode.vi RSSMF Set LIST Step Index.vi RSSMF Get LIST Step Index.vi RSSMF Set LIST Start Index.vi RSSMF Get LIST Start Index.vi RSSMF Set LIST Stop Index.vi RSSMF Get LIST Stop Index.vi RSSMF Set LIST Import Export List Mode.vi RSSMF Get LIST Import Export List Mode.vi RSSMF Set LIST Import Export List File.vi

rssmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF Get LIST Import Export List File.vi RSSMF Import Export Execute.vi RSSMF Set LIST Import Export ASCII File.vi RSSMF Get LIST Import Export ASCII File.vi RSSMF Set LIST Import Export ASCII Extension.vi RSSMF Get LIST Import Export ASCII Extension.vi RSSMF Set LIST Import Export ASCII ColumnSeparator.vi RSSMF Get LIST Import Export ASCII Column Separator.vi RSSMF Set LIST Import Export ASCII Column Decimal Separator.vi RSSMF Get LIST Import Export ASCII Column Decimal Separator.vi RSSMF LIST Import Export Catalog.vi RSSMF Set ROSC RF Output.vi RSSMF Get ROSC RF Output.vi RSSMF Set Power Display Permanent Priority.vi RSSMF Get Power Display Permanent Priority.vi RSSMF Configure Power Sweep Frequency Separate Frequency Range.vi RSSMF Set Power Sweep Frequency Execution.vi RSSMF Get Power Sweep Frequency Execution.vi RSSMF Set Power Sweep Frequency Y Auto Scale.vi RSSMF Get Power Sweep Frequency Y Auto Scale.vi RSSMF Reset Power Sweep Frequency Y Scale.vi RSSMF Set Power Sweep Frequency Separate Frequency Range.vi RSSMF Get Power Sweep Frequency Separate Frequency Range.vi RSSMF Set Power Sweep Frequency Separate Frequency Start.vi RSSMF Get Power Sweep Frequency Separate Frequency Start.vi RSSMF Set Power Sweep Frequency Separate Frequency Stop.vi RSSMF Get Power Sweep Frequency Separate Frequency Stop.vi RSSMF Configure Power Sweep Power Separate Frequency Range.vi RSSMF Set Power Sweep Power Execution.vi RSSMF Get Power Sweep Power Execution.vi RSSMF Set Power Sweep Power Y Auto Scale.vi RSSMF Get Power Sweep Power Y Auto Scale.vi RSSMF Reset Power Sweep Power Y Scale.vi RSSMF Set Power Sweep Power Separate Frequency State.vi RSSMF Get Power Sweep Power Separate Frequency State.vi RSSMF Set Power Sweep Power Separate Frequency.vi RSSMF Get Power Sweep Power Separate Frequency.vi RSSMF Configure Power Sweep Time Separate Frequency Range.vi RSSMF Set Power Sweep Time Pulse Data Analysis State.vi RSSMF Get Power Sweep Time Pulse Data Analysis State.vi RSSMF Set Power Sweep Time Pulse Threshold Base.vi

rssmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF Get Power Sweep Time Pulse Threshold Base.vi
		RSSMF Set Power Sweep Time Pulse Threshold Reference Level.vi
		RSSMF Get Power Sweep Time Pulse Threshold Reference Level.vi
		RSSMF Set Power Sweep Time Trigger Source.vi
		RSSMF Get Power Sweep Time Trigger Source.vi
		RSSMF Set Power Sweep Time Trigger Drop Out Time.vi
		RSSMF Get Power Sweep Time Trigger Drop Out Time.vi
		RSSMF Set Power Sweep Time Trigger Hysteresis.vi
		RSSMF Get Power Sweep Time Trigger Hysteresis.vi
		RSSMF Set Power Sweep Time Trigger Threshold.vi
		RSSMF Get Power Sweep Time Trigger Threshold.vi
		RSSMF Set Power Sweep Time Trigger Auto Set.vi
		RSSMF Set Power Sweep Time Start.vi
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		RSSMF Get Power Sweep Time Spacing.vi
		RSSMF Set Power Sweep Time Timing.vi
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		RSSMF Set Power Sweep Time Steps.vi
		RSSMF Get Power Sweep Time Steps.vi
		RSSMF Set Power Time Trigger Source.vi
		RSSMF Get Power Time Trigger Source.vi
		RSSMF Set Power Sweep Time Y Scale Minimum.vi
		RSSMF Get Power Sweep Time Y Scale Minimum.vi
		RSSMF Set Power Sweep Time Y Scale Maximum.vi
		RSSMF Get Power Sweep Time Y Scale Maximum.vi
		RSSMF Set Power Sweep Time Execution.vi
		RSSMF Get Power Sweep Time Execution.vi
		RSSMF Set Power Sweep Time Y AutoScale.vi
		RSSMF Get Power Sweep Time Y AutoScale.vi
		RSSMF Reset Power Sweep Time Y Scale.vi
		RSSMF Set Power Sweep Time Separate Frequency State.vi
		RSSMF Get Power Sweep Time Separate Frequency State.vi
		RSSMF Set Power Sweep Time Separate Frequency.vi
		RSSMF Get Power Sweep Time Separate Frequency.vi
		RSSMF Set Power Sweep Trace State.vi
		RSSMF Get Power Sweep Trace State.vi
		RSSMF Set Power Sweep Trace Color.vi
		RSSMF Get Power Sweep Trace Color.vi

rssmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF Copy Power Sweep Trace.vi RSSMF Get Power Sweep Trace Data Points.vi RSSMF Get Power Sweep Trace X Values.vi RSSMF Get Power Sweep Trace Y Values.vi RSSMF Set Power Sweep Trace Source.vi RSSMF Get Power Sweep Trace Source.vi RSSMF Get Power Sweep Trace Pulse Data Analysis State.vi RSSMF Get Power Sweep Trace Pulse Threshold Base.vi RSSMF Get Power Sweep Trace Pulse Threshold Reference Level.vi RSSMF Get Power Display Pulse Data Analysis.vi RSSMF Set Power Sweep Hardcopy Device.vi RSSMF Get Power Sweep Hardcopy Device.vi RSSMF Set Power Sweep Hardcopy Image Size.vi RSSMF Get Power Sweep Hardcopy Image Size.vi RSSMF Set Power Sweep Hardcopy Marker State.vi RSSMF Get Power Sweep Hardcopy Marker State.vi RSSMF Save Power Sweep Hardcopy.vi RSSMF Set Power Sweep Hardcopy CSV Header.vi RSSMF Get Power Sweep Hardcopy CSV Header.vi RSSMF Set Power Sweep Hardcopy CSV Orientation.vi RSSMF Get Power Sweep Hardcopy CSV Orientation.vi RSSMF Set Power Sweep Hardcopy CSV Column Separator.vi RSSMF Get Power Sweep Hardcopy CSV Column Separator.vi RSSMF Set Power Sweep Hardcopy CSV Decimal Point.vi RSSMF Get Power Sweep Hardcopy CSV Decimal Point.vi RSSMF Get Power Sweep Hardcopy CSV Data.vi RSSMF Set Power Sweep Hardcopy Automatic Naming State.vi RSSMF Get Power Sweep Hardcopy Automatic Naming State.vi RSSMF Get Power Sweep Hardcopy Automatic File Name.vi RSSMF Set Power Sweep Hardcopy Automatic Directory.vi RSSMF Get Power Sweep Hardcopy Automatic Directory.vi RSSMF Delete Power Sweep Hardcopy Image Files.vi RSSMF Set Power Sweep Hardcopy Automatic File Date State.vi RSSMF Get Power Sweep Hardcopy Automatic File Date State.vi RSSMF Get Power Sweep Hardcopy Automatic File Date.vi RSSMF Set Power Sweep Hardcopy Automatic File Prefix State.vi RSSMF Get Power Sweep Hardcopy Automatic File Prefix State.vi RSSMF Set Power Sweep Hardcopy Automatic File Prefix.vi RSSMF Get Power Sweep Hardcopy Automatic File Prefix.vi RSSMF Get Power Sweep Hardcopy Automatic File Number.vi RSSMF User Correction Fill List With Sensor.vi

rssmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF Set Level Sweep Attenuator Mode.vi RSSMF Get Level Sweep Attenuator Mode.vi RSSMF Set Level Sweep Shape.vi RSSMF Get Level Sweep Shape.vi RSSMF Get Level Sweep Spacing.vi RSSMF Reset Level Sweep.vi RSSMF Set CALibration Level Adjustment Data.vi RSSMF Get CALibration Level Adjustment Data.vi RSSMF Set Image Size.vi RSSMF Get Image Size.vi RSSMF Set Output Device.vi RSSMF Get Output Device.vi RSSMF Save Hard Copy.vi RSSMF Set Automatic Naming State.vi RSSMF Get Automatic Naming State.vi RSSMF Get Automatic File Name.vi RSSMF Set Automatic Directory.vi RSSMF Get Automatic Directory.vi RSSMF Delete Image Files.vi RSSMF Set Automatic File Date State.vi RSSMF Get Automatic File Date State.vi RSSMF Get Automatic File Date.vi RSSMF Set Automatic File Prefix State.vi RSSMF Get Automatic File Prefix State.vi RSSMF Set Automatic File Prefix.vi RSSMF Get Automatic File Prefix.vi RSSMF Get Automatic File Number.vi RSSMF Range Checking.vi Modified VIs: RSSMF Configure Power Response Measurement.vi RSSMF Set Power Sweep Frequency Timing.vi RSSMF Get Power Sweep Frequency Timing.vi RSSMF Set Power Sweep Power Timing.vi RSSMF Get Power Sweep Power Timing.vi RSSMF Set Power Sweep Mode.vi RSSMF Get Power Sweep Mode.vi RSSMF CALibration All.vi RSSMF CALibration Frequency.vi RSSMF CALibration Modulation Generators.vi RSSMF CALibration Level.vi RSSMF CALibration FM Offset.vi

rssmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		RSSMF CALibration Clock Synthesis.vi
2.05.3	05/2009	Modified VIs:  Fixed range of RSSMF Set PULM Width.vi Modified range checking - now it is possible to turn it off using rssmf_errorCheckState
2.05.2	05/2009	Modified VIs:  RSSMF Configure Pulse Modulation Trigger.vi - fixed command RSSMF Get PULM Gate Input Polarity.vi - fixed command RSSMF Set PULM Gate Input Polarity.vi - fixed command RSSMF Set PULM Mode.vi RSSMF Get PULM Mode.vi
2.05.1	03/2009	Modified VIs:  RSSMF Get PULM Gate Input Polarity.vi - fixed command RSSMF Set PULM Gate Input Polarity.vi - fixed command RSSMF Configure Pulse Modulation Trigger.vi - fixed command
2.05.00	10/2008	Driver update for Firmware version 2.05.47.34  - New VIs:  rssmf_SetNOISEBandwidthState rssmf_GetNOISEBandwidthState rssmf_PULMPulseTrainCatalog rssmf_PULMDeletePulseTrainFile rssmf_PULMSelectPulseTrainFile rssmf_SetPULMMode rssmf_GetPULMMode rssmf_SetPULMTrainOfftime rssmf_GetPULMTrainOfftime rssmf_GetTrainOfftimePoints rssmf_SetPULMTrainOntime rssmf_GetPULMTrainOntime rssmf_GetTrainOntimePoints rssmf_confCHIRP rssmf_confCHIRPTrigger rssmf_SetCHIRPTriggerMode rssmf_GetCHIRPTriggerMode rssmf_SetCHIRPTriggerSlope rssmf_GetCHIRPTriggerSlope rssmf_SetCHIRPTriggerLevel

rsmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		rsmf_GetCHIRPTriggerLevel rsmf_SetCHIRPGatePolarity rsmf_GetCHIRPGatePolarity rsmf_SetCHIRPExternalImpedance rsmf_GetCHIRPExternalImpedance rsmf_SetCHIRPDirection rsmf_GetCHIRPDirection rsmf_SetCHIRPState rsmf_GetCHIRPState rsmf_SetCHIRPBandwidth rsmf_GetCHIRPBandwidth rsmf_SetCHIRPPulsePeriod rsmf_GetCHIRPPulsePeriod rsmf_SetCHIRPPulseWidth rsmf_GetCHIRPPulseWidth rsmf_GetCHIRPCompressionRatio rsmf_SetFrequencySweepShape rsmf_GetFrequencySweepShape rsmf_confPowerSense rsmf_confPowerResponseMeasurement rsmf_confPowerResponseMeasurementDiagram rsmf_PowerZero rsmf_SetInitiatePowerMeasurement rsmf_GetInitiatePowerMeasurement rsmf_SetPowerUseSParameters rsmf_GetPowerUseSParameters rsmf_SetPowerFrequency rsmf_GetPowerFrequency rsmf_SetPowerOffset rsmf_GetPowerOffset rsmf_SetPowerOffsetState rsmf_GetPowerOffsetState rsmf_SetPowerSource rsmf_GetPowerSource rsmf_SetPowerUnit rsmf_GetPowerUnit rsmf_SetPowerDisplayPermanentState rsmf_GetPowerDisplayPermanentState rsmf_confPowerFilter rsmf_SetPowerFilterLength rsmf_GetPowerFilterLength

rsmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		rsmf_SetPowerFilterMode rsmf_GetPowerFilterMode rsmf_SetPowerFilterFixedNoiseContent rsmf_GetPowerFilterFixedNoiseContent rsmf_SetPowerFilterFixedNoiseTimeout rsmf_GetPowerFilterFixedNoiseTimeout rsmf_GetPowerFilterLengthAuto rsmf_PowerFilterSearchOnce rsmf_PowerSweepInitiate rsmf_PowerSweepAbort rsmf_SetPowerSweepFrequencyStart rsmf_GetPowerSweepFrequencyStart rsmf_SetPowerSweepFrequencyStop rsmf_GetPowerSweepFrequencyStop rsmf_SetPowerSweepFrequencyTiming rsmf_GetPowerSweepFrequencyTiming rsmf_SetPowerSweepFrequencySpacing rsmf_GetPowerSweepFrequencySpacing rsmf_SetPowerSweepFrequencySteps rsmf_GetPowerSweepFrequencySteps rsmf_SetPowerSweepFrequencyYScaleMinimum rsmf_GetPowerSweepFrequencyYScaleMinimum rsmf_SetPowerSweepFrequencyYScaleMaximum rsmf_GetPowerSweepFrequencyYScaleMaximum rsmf_SetPowerSweepPowerStart rsmf_GetPowerSweepPowerStart rsmf_SetPowerSweepPowerStop rsmf_GetPowerSweepPowerStop rsmf_SetPowerSweepPowerSpacing rsmf_GetPowerSweepPowerSpacing rsmf_SetPowerSweepPowerTiming rsmf_GetPowerSweepPowerTiming rsmf_SetPowerSweepPowerSteps rsmf_GetPowerSweepPowerSteps rsmf_SetPowerSweepPowerYScaleMinimum rsmf_GetPowerSweepPowerYScaleMinimum rsmf_SetPowerSweepPowerYScaleMaximum rsmf_GetPowerSweepPowerYScaleMaximum rsmf_SetPowerSweepSenseMode rsmf_GetPowerSweepSenseMode rsmf_SetPowerSweepMode



rsmf Instrument Driver		
Driver history for LabVIEW		
Revision	Date	Note
		rsmf_GetPowerSweepMode rsmf_GetPowerSweepDataPoints rsmf_GetPowerSweepDataXValues rsmf_GetPowerSweepDataYValues rsmf_SetPowerSweepHardcopyLNGFormat rsmf_GetPowerSweepHardcopyLNGFormat rsmf_SetPowerSweepHardcopyFile rsmf_GetPowerSweepHardcopyFile rsmf_PowerSensorDevice rsmf_PowerSensorType rsmf_PowerReadPower rsmf_GetPowerSensorVersion rsmf_PowerSensorSerialNumber rsmf_SetALCOffMode rsmf_GetALCOffMode rsmf_CALibrationFMOffset rsmf_CALibrationClockSynthesis rsmf_SetCALibrationLevelLoopGainState rsmf_GetCALibrationLevelLoopGainState rsmf_PresetSignalPath rsmf_SetImageFileName rsmf_GetImageFileName rsmf_SetImageFormat rsmf_GetImageFormat rsmf_GetImageSnapshot rsmf_GetSYSTEMStartupStatus rsmf_SetAngleUnits rsmf_GetAngleUnits rsmf_SetPowerUnits rsmf_GetPowerUnits rsmf_SetVelocityUnits rsmf_GetVelocityUnits rsmf_SetBlankWidth rsmf_GetBlankWidth rsmf_DevicePreset  Modified VIs: rsmf_init (USB support added) rsmf_confFrequencySweep rsmf_CALibrationFrequency rsmf_CALibrationLevel rsmf_SetFrequencySweepSpacing

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<b>rssmf Instrument Driver</b>		
<b>Driver history for LabVIEW</b>		
Revision	Date	Note
		rssmf_readToFile rssmf_revision_query
2.04.1	08/2007	Fixed ID query parsing in rssmf_init for older firmware version 2.04.154.
2.04.0	07/2007	Driver created

### **About Rohde & Schwarz**

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 80 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

### **Environmental commitment**

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



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