Driver History for the R&S®SFU Broadcast Test System

Driver Documentation

Products:

| R&S®SFU

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

Driver Documentation

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1 LabVIEW

Driver history for LabVIEW		
Revision	Date	Note
2.40.0	03/2011	Driver for SFU Broadcast Test System firmware version 2.40 Modifications: - Added DVB-C2 transmission standard - New VIs: RSSFU Configure ISDBT Channel Bandwidth.vi RSSFU Configure DTMB Guard Interval PN.vi RSSFU Configure DTMB SFN Settings.vi RSSFU Configure DTMB Special Settings.vi RSSFU Configure DVBT2 Input T2 MI PID.vi RSSFU Reset DVBT2 T2 MI Analyzer Log File.vi RSSFU Read DVBT2 T2 MI Analyzer.vi RSSFU Configure DVBT2 Mode Stream Adaptation In Band Signal.vi RSSFU Configure DVBT2 Framing OFDM Bandwidth Variation.vi - Updated: RSSFU Configure Modulation.vi RSSFU Read DTMB SFN Values.vi RSSFU Configure DMBTH Coding.vi RSSFU Configure DTMB Special Settings.vi - Removed: RSSFU Enable DMBH Mode DTMB Special Settings.vi RSSFU Configure DTMBH Coding.vi
2.20.1	02/2011	Modifications: - Default timeout set to 30s
2.20.0	06/2010	Driver for SFU Broadcast Test System firmware version 2.20 - New VIs: RSSFU ARB Memory Size.vi RSSFU ARB Samples Maximum.vi RSSFU Configure DVBT2 Input T2 MI Interface.vi RSSFU Configure DVBT2 Mode Stream Adaptation CM.vi RSSFU Configure DVBT2 Transmission Future Extension Frames.vi RSSFU Configure DVBT2 Transmission L1 T2 Version.vi RSSFU Configure DVBT2 Transmission System MISO.vi RSSFU Configure DVBT2 Transmission System Network.vi RSSFU Configure MediaFLO Coding Parameters.vi RSSFU Configure MediaFLO Coding.vi RSSFU Configure MediaFLO Input Signal.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Configure MediaFLO Local OIS System Settings.vi RSSFU Configure MediaFLO PID Settings.vi RSSFU Configure MediaFLO Position Pilot Settings.vi RSSFU Configure MediaFLO Special Settings.vi RSSFU Configure MediaFLO TX Settings.vi RSSFU DVBT2 Framing OFDM Data Symbols.vi RSSFU Enable MediaFLO Special Settings.vi RSSFU Enable MediaFLO TX Position Settings.vi RSSFU Read DVBT2 BICM Maximum FEC Blocks Per IF.vi RSSFU Read DVBT2 Mode Stream Adaptation Values.vi RSSFU Read DVBT2 T2 System L1 Signalling Frequency.vi RSSFU Read MediaFLO Values.vi RSSFU Read Status MediaFLO Count Parameters.vi RSSFU Read Status MediaFLO Delay Parameters.vi - Modified VIs: RSSFU Configure DVBT2 BICM Parameters.vi RSSFU Configure DVBT2 Mode Stream Adaptation.vi RSSFU Configure DVBT2 Input Signal.vi RSSFU Configure DVBT2 PLP.vi RSSFU Configure DVBT2 Framing OFDM.vi RSSFU Configure DVBT2 Transmission System.vi RSSFU Configure DVBT2 Transmission L1 Parameters.vi RSSFU Configure DVBS2 Coding.vi RSSFU Configure Analog TV Special VSB Characteristic.vi RSSFU Configure Audio BC Open Format Group A.vi RSSFU Audio BC Open Format Group Data Transfer Status.vi RSSFU Configure Fading Standard Set.vi RSSFU Configure BER Inputs.vi RSSFU Store and Load Fading Profile.vi - Removed function/attributes: - MediaFLO modulation standard completely redesigned RSSFU_ATTR_DVBT2_INPUT_SIGNAL_CM_TYPE RSSFU_ATTR_IQC_MFLO_WIDE_PID_DATA_RATE RSSFU_ATTR_IQC_MFLO_LOCAL_PID_DATA_RATE RSSFU_ATTR_IQC_MFLO_SSF_ARRIVAL_TIME RSSFU_ATTR_IQC_MFLO_FRAME_LENGTH RSSFU_ATTR_IQC_MFLO_WIDE_AREA_LENGTH RSSFU_ATTR_IQC_MFLO_POSITION_PILOT_LENGTH RSSFU_ATTR_IQC_MFLO_GAIN RSSFU_ATTR_IQC_MFLO_SINUSOID_TEST RSSFU_ATTR_IQC_MFLO_SINUSOID_TEST_FREQ

Driver history for LabVIEW		
Revision	Date	Note
2.10.2	10/2009	Modifications: - New VIs: RSSFU Configure Fading Common Coupled Settings.vi - Modified VIs: RSSFU Configure ISDBT Input Signal.vi RSSFU Noise Bandwidth Settings.vi RSSFU Configure Fading Common Settings.vi - Removed attributes: RSSFU_ATTR_NOISE_CN_OFFSET RSSFU_ATTR_NOISE_MODE
2.10.1	08/2009	Modifications: - rssfu Store and Load Application.vi - added wait for *OPC
2.10.0	07/2009	Driver for SFU Broadcast Test System firmware version 2.10 Initial Release for Linux, support for: - Mandriva Linux 2008 and Mandriva Linux 2009 - openSUSE 10.3 and openSUSE 11.0 - New VIs: RSSFU Store and Load DVBT Carriers.vi RSSFU Configure ISDBT TMCC Special Settings.vi RSSFU Configure ISDBT Payload Test Stuff.vi RSSFU Configure CMMB Test Signal.vi RSSFU Read Noise Eb N0.vi RSSFU Set TS Byte Rate.vi RSSFU TSGen Nullpacket Stuffing.vi RSSFU Interface Settings Stop Data.vi RSSFU Configure TSGEN Packet Settings.vi RSSFU Configure TSGen Seamless Loop.vi RSSFU Read Power Sensor Type.vi RSSFU Configure DVBT2 Input Signal.vi RSSFU Configure DVBT2 PLP.vi RSSFU Read DVBT2 Values.vi RSSFU Configure DVBT2 Test Signal.vi RSSFU Configure DVBT2 Mode Stream Adaptation.vi RSSFU Configure DVBT2 BICM Parameters.vi RSSFU Configure DVBT2 BICM Time Interleaver Parameters.vi RSSFU Read DVBT2 BICM FEC Blocks Per IF.vi RSSFU Configure DVBT2 Framing OFDM Parameters.vi RSSFU Read DVBT2 Framing OFDM Used Bandwidth.vi RSSFU Configure DVBT2 Framing OFDM.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Read DVBT2 Framing OFDM Data Symbols.vi RSSFU Configure DVBT2 Transmission System.vi RSSFU Configure DVBT2 Transmission L1 Parameters.vi RSSFU Configure DVBT2 Transmission System Identification.vi RSSFU Configure DVBT2 Settings.vi RSSFU Configure ATSCMH Input Signal.vi RSSFU Configure ATSCMH Test Signal.vi RSSFU Read ATSCMH Packed Length.vi RSSFU Read ATSCMH Values.vi RSSFU Configure ATSCMH Coding Parameters.vi RSSFU Read ATSCMH Constellation.vi RSSFU Read ATSCMH Roll Off RSSFU Enable ATSCMH Special Settings.vi RSSFU Configure ATSCMH Special Settings.vi RSSFU Set ATSCMH MHE PID.vi RSSFU Configure ATSCMH RF Watermark Settings.vi RSSFU Configure ATSCMH MTXID Transmission.vi RSSFU Configure ATSCMH Settings.vi - Updated VI: RSSFU Configure Modulation Settings.vi RSSFU Configure Modulation.vi RSSFU Interface Settings (REC).vi RSSFU Read Info STC SSTC.vi RSSFU Configure AVSB RF Watermark Settings.vi RSSFU Configure CMMB Input Signal.vi RSSFU Configure Fading Path Profile Table Numeric.vi RSSFU Configure Fading Path Profile Resulting Doppler Frequency.vi RSSFU Configure Fading Insertion Loss Settings.vi
2.002	04/2009	Updated VIs: - RSSFU Configure Analog TV NICAM Signal.vi - RSSFU_ATTR_IQC_DVBS2_AMC - added *OPC
2.00.1	04/2009	Updated VIs: RSSFU Configure Analog TV Video Vision Picture.vi - added parameters FMSK and FMDK
2.00	03/2009	Driver for SFU Broadcast Test System firmware version 2.00 Modifications: RSSFU Configure Modulation.vi RSSFU Configure Modulation ATV Transmission Standard.vi RSSFU Configure Interferer ATV Predefined Standard.vi RSSFU Load Analog TV Video Library.vi RSSFU Configure Analog TV Audio Input Signal.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Configure Fading Common Settings.vi RSSFU Configure ISDBT Layer Coding.vi RSSFU Fading Catalog.vi RSSFU Close.vi - New VIs: RSSFU Load Analog TV Audio Library.vi RSSFU Analog TV Audio Library Catalog.vi RSSFU Analog TV Audio Library Catalog Length.vi RSSFU Configure CMMB Input Signal.vi RSSFU Read CMMB Values.vi RSSFU Set CMMB Number Of Services.vi RSSFU Configure CMMB Coding.vi RSSFU Read CMMB OFDM Mode.vi RSSFU Configure CMMB PLCH Table.vi RSSFU Enable CMMB Special Settings.vi RSSFU Configure CMMB Special Settings.vi RSSFU Configure CMMB Settings.vi RSSFU Configure DVBSH Input Signal.vi RSSFU Configure DVBSH Test Signal.vi RSSFU Read DVBSH Packed Length.vi RSSFU Read DVBSH Values.vi RSSFU Configure DVBSH Mode.vi RSSFU Set DVBSH Channel Bandwidth.vi RSSFU Read DVBSH Used Bandwidth.vi RSSFU Configure DVBSH Coding.vi RSSFU Configure DVBSH Time Interleaver.vi RSSFU Configure DVBSH Settings.vi RSSFU Configure Audio BC FM RDS RBDS.vi RSSFU Read Audio BC FM RDS RBDS Radio Text Status.vi RSSFU Configure Audio BC FM RDS RBDS Decoder Identification.vi RSSFU Set Audio BC FM AF A Number Of Freq.vi RSSFU Configure Audio BC FM AF A Frequency.vi RSSFU Set Audio BC FM AF B Number Of Lists.vi RSSFU Set Audio BC FM AF B Number Of Freq.vi RSSFU Configure Audio BC FM AF B Frequency.vi RSSFU Configure Audio BC FM EON Parameters.vi RSSFU Set Audio BC FM EON AF A Number Of Freq.vi RSSFU Configure Audio BC FM EON AF A Frequency.vi RSSFU Set Audio BC FM EON AF Mapped Freq Number Of Freq.vi RSSFU Configure Audio BC FM EON AF Mapped Frequency RSSFU Enable Audio BC FM TMC.vi RSSFU Audio BC FM TMC Send Data.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Set Audio BC TMC Group 3A VAR Parameters.vi RSSFU Set Audio BC TMC Number Of 8A Groups.vi RSSFU Configure Audio BC FM TMC 8A Block.vi RSSFU Enable Audio BC FM Open Format.vi RSSFU Audio BC FM Open Format Send Data.vi RSSFU Configure Audio BC Open Format Group A.vi RSSFU Configure Audio BC Open Format Group B.vi RSSFU Audio BC Open Format Group Data Transfer Status.vi RSSFU Configure Fading Signal Delay Shift.vi
1.90	11/2008	Driver for SFU Broadcast Test System firmware version 1.90 - new VIs: RSSFU Audio Transmission Standard.vi RSSFU Read Digital IQ Symbol Rate.vi RSSFU Configure Audio BC FM Input Signal.vi RSSFU Configure Audio BC FM Source.vi RSSFU Read Audio BC FM External Source.vi RSSFU Configure Audio BC FM Audio Modulation.vi RSSFU Configure Audio BC FM Modulation RDS.vi RSSFU Configure Audio BC FM MPX Freq Deviation.vi RSSFU Read Audio BC FM Modulation Values.vi RSSFU Enable Audio BC FM Special Settings.vi RSSFU Configure Audio BC FM Special Settings.vi RSSFU Configure Audio BC AM Input Signal.vi RSSFU Configure Audio BC AM Source.vi RSSFU Read Audio BC AM External Source.vi RSSFU Configure Audio BC AM Modulation Depth.vi RSSFU Read Audio BC AM Mode Depth.vi RSSFU Configure Fading Source.vi RSSFU Configure BER Gating Time.vi RSSFU TSGen Seek Position.vi - modified VIs RSSFU Configure Modulation.vi RSSFU Configure DTMB Test Signal.vi RSSFU Configure BER Inputs.vi
1.80.1	08/2008	Driver for SFU Broadcast Test System firmware version 1.80 - modified VIs/attributes: - added *OPC RSSFU Configure Modulation.vi, RSSFU_ATTR_MOD_DM_SPECTRUM RSSFU Configure Modulation.vi, RSSFU_ATTR_MOD_DM_TRANSMISSION_STANDARD

Driver history for LabVIEW		
Revision	Date	Note
		- added rangetable: RSSFU Read DVBC Values.vi, RSSFU_ATTR_IQC_DVBC_PACKET_LENGTH RSSFU Read DVBS Values.vi, RSSFU_ATTR_IQC_DVBS_PACKET_LENGTH RSSFU Read DMBT Values.vi, RSSFU_ATTR_IQC_DMBT_PACKET_LENGTH RSSFU Read DVBT Values.vi, RSSFU_ATTR_IQC_DVBT_PACKET_LENGTH RSSFU Read DVBT Values.vi, RSSFU_ATTR_IQC_DVBT_PACKET_LENGTH_LOW RSSFU Read DTMB Values.vi, RSSFU_ATTR_IQC_DTMB_CODING_PACKED_LENGTH
1.80.0	06/2008	Driver for SFU Broadcast Test System firmware version 1.80 Modifications: - new VIs: RSSFU Configure Interferer Signal.vi RSSFU Modulation IQ Input Refresh.vi RSSFU Configure DTMB Dual Pilot Tone.vi RSSFU Configure DVBS2 ACM Mode.vi RSSFU Configure DVBS2 FEC Frame.vi RSSFU Configure Directv Phase Noise.vi RSSFU Read AVSB Coder Status.vi RSSFU Configure AVSB Input Signal.vi RSSFU Configure AVSB Test Signal.vi RSSFU Read AVSB Packed Length.vi RSSFU Read AVSB Values.vi RSSFU Set AVSB Symbol Rate.vi RSSFU Read AVSB Constellation.vi RSSFU Read AVSB Roll Off.vi RSSFU Configure AVSB Coding VSB State.vi RSSFU Enable AVSB Special Settings.vi RSSFU Configure AVSB Special Settings.vi RSSFU Configure AVSB RF Watermark Settings.vi RSSFU Configure AVSB SRS Settings.vi RSSFU Configure AVSB Settings.vi RSSFU Set Impairments Optimization Mode.vi RSSFU Configure Fading Max Paths.vi RSSFU Fading Coupling Settings.vi RSSFU Enable Power Meter.vi RSSFU Power Meter Configuration.vi RSSFU Configure Power Meter Frequency.vi RSSFU Relative Power State.vi RSSFU Read Absolute Output Power.vi RSSFU Power Meter M2Ref.vi RSSFU Power Meter Zero.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Configure Average Filter.vi RSSFU Average Auto Once.vi - modified: RSSFU Configure DVBC Coding.vi - Roll Off - changed data type RSSFU Configure Modulation.vi RSSFU Configure DTMBH Coding.vi RSSFU Configure DTMB Coding.vi RSSFU Configure DTMB Settings.vi RSSFU Configure Fading Path Profile.vi RSSFU Configure Fading Delay Settings.vi
1.70.01	03/2008	Driver for SFU Broadcast Test System firmware version 1.70 Modifications: RSSFU Configure Modulation.vi - fixed attenuation range
1.70.0	02/2008	Driver update for SFU Broadcast Test System firmware version 1.70 Modifications: - Driver converted to the attribute style. - new VIs: RSSFU Configure ISDBT System.vi RSSFU Configure ISDBT Sub Channel.vi RSSFU Read DTMB Coder Status.vi RSSFU Configure DTMB Input Signal.vi RSSFU Configure DTMB Test Signal.vi RSSFU Read DTMB Values.vi RSSFU Configure DTMB Network Mode.vi RSSFU Configure DTMB Channel Bandwidth.vi RSSFU Configure DTMBH Coding.vi RSSFU Configure DTMB Coding.vi RSSFU Read DTMB SFN Values.vi RSSFU Enable DTMB Special Settings.vi RSSFU Enable DMBH Mode DTMB Special Settings.vi RSSFU Configure DTMB Special Settings.vi RSSFU Configure DTMB Settings.vi RSSFU Configure Fading Path Profile Resulting Doppler Frequency.vi RSSFU Configure Fading Birth Death Doppler Frequency.vi RSSFU Configure Fading 2 Path Dynamic Delay Doppler Shift.vi - modified: RSSFU Configure Modulation.vi RSSFU Configure TDMB Input Signal.vi RSSFU Configure DVBS Test Signal.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Configure DMBT Test Signal.vi RSSFU Configure DVBS2 Test Signal.vi RSSFU Configure DVBS2 Special Settings.vi RSSFU Configure Analog TV Audio.vi RSSFU Read Player Parameters.vi - removed obsolete VIs: RSSFU Configure Noise.vi RSSFU Configure Noise Parameters.vi RSSFU Configure Pulse Noise.vi RSSFU T-DMB Settings.vi RSSFU Configure DMBT Network.vi RSSFU Read DMBTH Coder Status.vi RSSFU Configure DMBTH Input Signal.vi RSSFU Configure DMBTH Test Signal.vi RSSFU Read DMBTH Packed Length.vi RSSFU Read DMBTH Values.vi RSSFU Configure DMBTH Network.vi RSSFU Configure DMBTH Control.vi RSSFU Configure DMBTH Coding.vi RSSFU Configure DMBTH Coding Handheld.vi RSSFU Read DMBTH SFN Values.vi RSSFU Enable DMBTH Special Settings.vi RSSFU Configure DMBTH Special Settings.vi RSSFU Set DMBTH Special Single Carrier.vi RSSFU Configure DMBTH Settings.vi
1.60.2	11/2007	Modifications: Added wait for OPC when loading/storing fading profile Fixed RSSFU Configure DMBTH Coding.vi New rsidr_core
1.60	03/2007.	Modifications: - new VIs: RSSFU Analog TV Video Library Catalog Length.vi RSSFU Analog TV Video Library Catalog.vi RSSFU ARB Waveform File Tag.vi RSSFU Configure Analog TV Audio AF.vi RSSFU Configure Analog TV Audio Input Signal.vi RSSFU Configure Analog TV Impedance.vi RSSFU Configure Analog TV NICAM Signal.vi RSSFU Configure Analog TV Special Video and Carrier.vi RSSFU Configure Analog TV Special VSB Characteristic.vi RSSFU Configure Analog TV Video Input Signal.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Configure DVBS2 Pilots.vi RSSFU Configure Fading Reference Settings.vi RSSFU Configure Fading.vi RSSFU Fading Catalog.vi RSSFU Get Status Register.vi RSSFU Get User-definable Status Register.vi RSSFU Load Analog TV Video Library.vi RSSFU Noise File Operations.vi RSSFU Read External Audio Input Level.vi RSSFU Read Peak Envelope Power.vi RSSFU Set Analog TV Special AM Modulation Depth.vi RSSFU Set DMBTH Special Single Carrier.vi RSSFU Set MediaFLO Channel Bandwidth.vi RSSFU Set Status Register.vi RSSFU Set User-definable Status Register.vi RSSFU Store and Load Application.vi RSSFU Store and Load Fading Profile.vi RSSFU Store and Load Instrument Data.vi - modified VIs: RSSFU Configure Analog TV Video Vision Picture.vi RSSFU Configure Analog TV Video.vi RSSFU Configure DVBS2 Coding.vi RSSFU Configure Fading Standard Set.vi RSSFU Configure ISDBT Special Segment Settings RSSFU ARB Waveform Catalog.vi RSSFU ARB Waveform Catalog Length.vi RSSFU ARB Waveform Samples.vi RSSFU TDMB Configuration.vi - removed: RSSFU Configure DVBS2 H8PSK Settings.vi
1.50.0	11/2006	Modifications: - modified VIs: RSSFU Configure J83B Test Signal.vi RSSFU Configure Directv Input Signal.vi RSSFU Configure Modulation.vi RSSFU Configure Fading Path Profile.vi RSSFU Fading Configuration.vi RSSFU Configure Interferer ATV Predefined Standard.vi RSSFU Configure Fading Standard Set.vi RSSFU Read DMBT SFN Values.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Configure Fading Birth Death Path Profile.vi - added new VIs: RSSFU ARB Trigger Execute.vi RSSFU ARB Trigger Status.vi RSSFU ARB Waveform Catalog Length.vi RSSFU ARB Waveform Catalog.vi RSSFU ARB Waveform Samples.vi RSSFU Configure Analog TV Audio.vi RSSFU Configure Analog TV Pilot.vi RSSFU Configure Analog TV Preemphasis.vi RSSFU Configure Analog TV Special Settings.vi RSSFU Configure Analog TV Subcarrier Settings.vi RSSFU Configure Analog TV Video Vision Picture.vi RSSFU Configure Analog TV Video.vi RSSFU Configure ARB External Clock.vi RSSFU Configure ARB Marker.vi RSSFU Configure ARB Trigger.vi RSSFU Configure Channel Table Frequency.vi RSSFU Configure DMBT Network Mode.vi RSSFU Configure DMBTH Coding Handheld.vi RSSFU Configure DMBTH Coding.vi RSSFU Configure DMBTH Control.vi RSSFU Configure DMBTH Input Signal.vi RSSFU Configure DMBTH Network.vi RSSFU Configure DMBTH Settings.vi RSSFU Configure DMBTH Special Settings.vi RSSFU Configure DMBTH Test Signal.vi RSSFU Configure Fading 2 Path Dynamic Delay Path.vi RSSFU Configure Fading 2 Path Dynamic Delay.vi RSSFU Configure ISDBT Coding.vi RSSFU Configure ISDBT Input Signal.vi RSSFU Configure ISDBT Layer Coding.vi RSSFU Configure ISDBT Segments.vi RSSFU Configure ISDBT Settings.vi RSSFU Configure ISDBT Special AC Data Settings.vi RSSFU Configure ISDBT Special Guard Insertion Settings.vi RSSFU Configure ISDBT Special Pilot Modulation Settings.vi RSSFU Configure ISDBT Special Pilots Settings.vi RSSFU Configure ISDBT Special Segment Settings.vi RSSFU Configure ISDBT Special Settings.vi RSSFU Configure ISDBT Test Signal.vi RSSFU Configure Reference Oscillator.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Configure Trigger IO.vi RSSFU Delete ARB Waveform.vi RSSFU Enable Analog TV Special Settings.vi RSSFU Enable DMBTH Special Settings.vi RSSFU Enable ISDBT Special Settings.vi RSSFU Frequency Channel Table Operations.vi RSSFU Get Level of Phase Noise.vi RSSFU Read Analog TV Values.vi RSSFU Read ARB External Clock Frequency.vi RSSFU Read DMBTH Coder Status.vi RSSFU Read DMBTH Packed Length.vi RSSFU Read DMBTH SFN Values.vi RSSFU Read DMBTH Values.vi RSSFU Read Fading 2 Path Dynamic Delay Doppler Shift.vi RSSFU Read ISDBT Bandwidth.vi RSSFU Read ISDBT Coder Status.vi RSSFU Read ISDBT Input Data Rate.vi RSSFU Read ISDBT Values.vi RSSFU Read TSPlayer and Recorder Status.vi RSSFU Record Progress.vi RSSFU Set Frequency VSB Reference Point.vi RSSFU Set Tx Actual Center Frequency.vi RSSFU Set Tx Frequency Channel.vi RSSFU TDMB Configuration.vi RSSFU TX RF Output Clear.vi RSSFU TX RF Output Protection Tripped.vi RSSFU System Display Update.vi RSSFU System Keypad Lock.vi - obsolete: RSSFU Configure Noise.vi RSSFU Configure Pulse Noise.vi RSSFU Configure Noise Parameters.vi RSSFU T-DMB Settings.vi RSSFU Configure DMBT Network.vi
1.45.0	07/2006	- added new VIs: RSSFU Configure 8VSB Input Signal.vi RSSFU Configure 8VSB Settings.vi RSSFU Configure 8VSB Special Settings.vi RSSFU Configure 8VSB Test Signal.vi RSSFU Configure J83B Coding.vi RSSFU Configure J83B Input Signal.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Configure J83B Settings.vi RSSFU Configure J83B Special Settings.vi RSSFU Configure J83B Test Signal.vi RSSFU Enable 8VSB Special Settings.vi RSSFU Enable J83B Special Settings.vi RSSFU Read 8VSB Coder Status.vi RSSFU Read 8VSB Constellation.vi RSSFU Read 8VSB Packed Length.vi RSSFU Read 8VSB Roll Off.vi RSSFU Read 8VSB Values.vi RSSFU Read J83B Coder Status.vi RSSFU Read J83B Packed Length.vi RSSFU Read J83B Roll Off.vi RSSFU Read J83B Values.vi RSSFU Set 8VSB Symbol Rate.vi
1.44.0	05/2006	Modifications: - added new VIs: RSSFU Configure Directv Coding.vi RSSFU Configure Directv Input Signal.vi RSSFU Configure Directv Settings.vi RSSFU Configure Directv Special Settings.vi RSSFU Configure Gen Noise.vi RSSFU Configure Interferer ATV Predefined Standard.vi RSSFU Configure MediaFLO Area Settings.vi RSSFU Configure MediaFLO Delay Settings.vi RSSFU Configure MediaFLO ID Settings.vi RSSFU Configure MediaFLO Input Signal.vi RSSFU Configure MediaFLO Special Settings.vi RSSFU Configure Modulation ATV Transmission Standard.vi RSSFU Configure Modulator Level.vi RSSFU Configure Noise CN.vi RSSFU Configure Pulse Noise.vi RSSFU Enable Directv Special Settings.vi RSSFU Enable MediaFLO Special Settings.vi RSSFU Modulation Signal Info and Statistics.vi RSSFU Noise Bandwidth Settings.vi RSSFU Read Directv Packed Length.vi RSSFU Read Directv Values.vi RSSFU Read MediaFLO Coder Status.vi RSSFU Read MediaFLO Delay SSF Arrival Time.vi RSSFU Read MediaFLO Length Settings.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU Read MediaFLO Measured Data Rate.vi RSSFU Catalog Length.vi RSSFU File Directory Path.vi RSSFU Read To File From Instrument.vi RSSFU Write From File To Instrument.vi - modified VIs: RSSFU Configure Modulation.vi RSSFU Configure Interferer.vi RSSFU Configure DVBT Coding.vi RSSFU Read Gen Noise State.vi RSSFU Reset.vi - timeout set to 30s
1.40.0	03/2006	Driver update for SFU Broadcast Test System firmware version 1.40 - modified VIs: RSSFU Configure Interferer.vi RSSFU Configure Modulation Settings.vi - added new VIs: RSSFU Configure Fading Birth Death Path Loss.vi RSSFU Configure Fading Birth Death Path Profile.vi RSSFU Configure Fading Movi RSSFU Configure Fading Movi RSSFU Configure TDMB Input Signal.vi RSSFU Configure TDMB Special Settings.vi RSSFU Configure Tsgen PCR Jitter.vi RSSFU Enable TDMB Special Settings.vi RSSFU Fading Configuration.vi RSSFU File Operations.vi RSSFU Interface Settings (GEN).vi RSSFU Interface Settings (REC).vi RSSFU New Record Stream.vi RSSFU Read Fading Birth Death Path Profile Results.vi RSSFU Read Fading Birth Death Path Profile.vi RSSFU Read Info STC SSTC.vi RSSFU Read Player Parameters.vi RSSFU Read Recorder Parameters.vi RSSFU Read TDMB Coder Status.vi RSSFU Read TDMB ETI Input.vi RSSFU Read TDMB Values.vi RSSFU Select Application.vi RSSFU Select Play File.vi RSSFU T-DMB Settings.vi RSSFU Timing Settings.vi

Driver history for LabVIEW		
Revision	Date	Note
		RSSFU TSPlayer and Recorder Status.vi
1.22.1	01/2006	Driver for SFU Firmware 1.22 Modifications: - Minor changes in range checking - fixed RSSFU Configure DVBT Coding.vi - added attribute help
1.22	10/2005	Driver for SFU Firmware 1.22 - Initial Release

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

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
2.40.0	03/2011	Driver for SFU Broadcast Test System firmware version 2.40 Modifications: - Added DVB-C2 transmission standard - New functions: rssfu_ConfigureISDBTChannelBandwidth rssfu_ConfigureDTMBGuardIntervalPN rssfu_ConfigureDTMBSFNSettings rssfu_ConfigureDTMBSpecialSettings rssfu_ConfigureDVBT2InputT2MIPID rssfu_ResetDVBT2T2MIAnalyzerLogFile rssfu_ReadDVBT2T2MIAnalyzer rssfu_ConfigureDVBT2ModeStreamAdaptationInBandSignal rssfu_ConfigureDVBT2FramingOFDMBandwidthVariation - Updated functions: rssfu_confTxModulation rssfu_readDTMBSFNValues rssfu_readDMBTHSFNValues rssfu_confDMBTHCoding rssfu_configAudioBCFMRDSRBDS - Removed functions: rssfu_confDMBTHCodingHandheld rssfu_confDTMBSpecial rssfu_confDTMBHCoding rssfu_actEnableDMBHModeDTMBSpecial
2.20.1	02/2011	Modifications: - Default timeout set to 30s - Changed range table names to prevent conflicts when used with other drivers
2.20.0	06/2010	Driver for SFU Broadcast Test System firmware version 2.20 - New functions: rssfu_ConfigureMediaFLOInputSignal rssfu_ReadMediaFLOValues rssfu_ReadStatusMediaFLODelayParameters

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_ReadStatusMediaFLOCountParameters rssfu_ConfigureMediaFLOCoding rssfu_ConfigureMediaFLOCodingParameters rssfu_EnableMediaFLOSpecialSettings rssfu_ConfigureMediaFLOSpecialSettings rssfu_ConfigureMediaFLOPIDSettings rssfu_ConfigureMediaFLOLocalOISSystemSettings rssfu_ConfigureMediaFLOPositionPilotSettings rssfu_EnableMediaFLOTXPositionSettings rssfu_ConfigureMediaFLOTXSettings rssfu_ConfigureDVBT2InputT2MIInterface rssfu_ConfigureDVBT2ModeStreamAdaptationCM rssfu_ReadDVBT2ModeStreamAdaptationValues rssfu_readDVBT2BICMMaxFECBlocksPerIF rssfu_readDVBT2FramingOFDMSymbolsPerT2Frame rssfu_ConfigureDVBT2TransmissionSystemNetwork rssfu_ConfigureDVBT2TransmissionSystemMISO rssfu_ConfigureDVBT2TransmissionFutureExtensionFrames rssfu_ConfigureDVBT2TransmissionL1T2Version rssfu_ReadDVBT2T2SystemL1SignallingFrequency rssfu_ARBMemorySize rssfu_ARBSamplesMaximum - Updated functions/attributes: rssfu_confDVBT2BICMParameters rssfu_confDVBT2ModeStreamAdaptation rssfu_confDVBT2InputSignal - CM Type control not used rssfu_configureDVBT2Plp rssfu_confDVBT2FramingOFDM - changed attribute (RSSFU_ATTR_DVBT2_FRAMING_DATA_SYMBOLS_PER_T2_FRAME) rssfu_confDVBT2TransmissionSystem rssfu_confDVBT2TransmissionL1Param rssfu_confDVBS2Coding rssfu_confAnalogTvSpecialVsbCharacteristic rssfu_ConfigureAudioBCOpenFormatGroupA rssfu_AudioBCOpenFormatGroupDataTransferStatus rssfu_confFadingStandardSet rssfu_confBERInputs rssfu_storeLoadFadingSettings RSSFU_ATTR_DVBT2_MODE_STREAM_ADAPT_ISSY - changed data type to ViInt32 - Removed function/attributes: - MediaFLO modulation standard completely redesigned RSSFU_ATTR_DVBT2_INPUT_SIGNAL_CM_TYPE

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		RSSFU_ATTR_IQC_MFLO_WIDE_PID_DATA_RATE RSSFU_ATTR_IQC_MFLO_LOCAL_PID_DATA_RATE RSSFU_ATTR_IQC_MFLO_SSF_ARRIVAL_TIME RSSFU_ATTR_IQC_MFLO_FRAME_LENGTH RSSFU_ATTR_IQC_MFLO_WIDE_AREA_LENGTH RSSFU_ATTR_IQC_MFLO_POSITION_PILOT_LENGTH RSSFU_ATTR_IQC_MFLO_GAIN RSSFU_ATTR_IQC_MFLO_SINUSOID_TEST RSSFU_ATTR_IQC_MFLO_SINUSOID_TEST_FREQ
2.10.2	10/2009	Modifications: - New functions: rssfu_confFadingCommonCoupledSettings - Updated functions: rssfu_confISDBTInputSignal rssfu_confNoiseBwSettings rssfu_confFadingCommonSettings rssfu_confNoise_obs - removed parameter rssfu_confNoiseParameters - removed parameter - Removed attributes: RSSFU_ATTR_NOISE_CN_OFFSET RSSFU_ATTR_NOISE_MODE
2.10.1	08/2009	Modifications: - Fixed GetError function - small array issue
2.10.0	07/2009	Driver for SFU Broadcast Test System firmware version 2.10 Initial Release for Linux, support for: - Mandriva Linux 2008 and Mandriva Linux 2009 - openSUSE 10.3 and openSUSE 11.0 New functions: rssfu_storeLoadDVBTCarriers rssfu_ConfigureISDBTTmccSpecialSettings rssfu_ConfigureISDBTPayloadTestStuff rssfu_configureCMMBTestSignal rssfu_readNoiseEbN0 rssfu_setTsByteRate rssfu_TSGenNullpacketStuffing rssfu_confTsgenInterfaceStopData rssfu_confTSGENPacketSettings rssfu_configureTSGenSeamlessLoop rssfu_readPowerSensorType

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_confDVBT2InputSignal rssfu_configureDVBT2Plp rssfu_readDVBT2Values rssfu_confDVBT2TestSignal rssfu_confDVBT2ModeStreamAdaptation rssfu_confDVBT2BICMParameters rssfu_confDVBT2BICMTimeInterleaverParameters rssfu_readDVBT2BICMFECBlocksPerIF rssfu_confDVBT2BICMFramingOFDMParameters rssfu_readDVBT2FramingOFDMUsedBandwidth rssfu_confDVBT2FramingOFDM rssfu_readDVBT2FramingOFDMDataSymbols rssfu_confDVBT2TransmissionSystem rssfu_confDVBT2TransmissionL1Param rssfu_confDVBT2TransmissionSystemIdentification rssfu_confDVBT2Settings rssfu_confATSCMHInputSignal rssfu_confATSCMHTestSignal rssfu_readATSCMHPackedLength rssfu_readATSCMHValues rssfu_confATSCMHCodingParameters rssfu_readATSCMHConstellation rssfu_readATSCMHRollOff rssfu_enableATSCMHSpecial rssfu_confATSCMHSpecial rssfu_setAtscmhMhePid rssfu_confATSCMHRfWatermarkSettings rssfu_configATSCMHMTXIDTransmission rssfu_confATSCMHSettings - Updated function: rssfu_confTxModulationSettings rssfu_confTxModulation rssfu_confTsgenInterfaceSetRec rssfu_readTDMBInfo rssfu_confAVSBRfWatermarkSettings rssfu_confCMMBInputSignal rssfu_confFadingPathProfileTableNumeric rssfu_confFadingPathProfileResultDopplerFreq rssfu_confFadingInsertionLossSettings
2.00.2	04/2009	Updated functions: - status checking enabled after driver initialization

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		- Updated function: rssfu_confAnalogTvNICAMSignal RSSFU_ATTR_IQC_DVBS2_AMC - added *OPC
2.00.1	04/2009	Updated functions: rssfu_confAnalogTvVideoVisionPicture - added parameters FMSK and FMDK
2.00	03/2009	Driver for SFU Broadcast Test System firmware version 2.00 Modifications: rssfu_confTxModulation rssfu_confAtvTransStandard rssfu_confTxModInterfAtvPredefStd rssfu_loadAnalogTvVideoLibrary rssfu_confAnalogTvAudioInputSignal rssfu_confFadingCommonSettings rssfu_close rssfu_readTDMBInfo - SCID - changed data type to ViInt32 rssfu_confISDBTLayerCoding - bug fix - New functions: rssfu_loadAnalogTvAudioLibrary rssfu_analogTvAudioLibraryCatalog rssfu_analogTvAudioLibraryCatalogLength rssfu_confCMMBInputSignal rssfu_readCMMBValues rssfu_SetCMMBNumberOfServices rssfu_confCMMBCoding rssfu_ReadCMMBOFDMMode rssfu_confCMMBPLCHTable rssfu_actEnableCMMBSpecial rssfu_confCMMBSpecial rssfu_confCMMBSettings rssfu_confDVBSHInputSignal rssfu_confDVBSHTestSignal rssfu_readDVBSHPackedLength rssfu_readDVBSHValues rssfu_confIDVBSHMode rssfu_confDVBSHChannelBandwidth rssfu_readDVBSHUsedBandwidth rssfu_confDVBSHCoding rssfu_confDVBSHTimeInterleaver rssfu_confDVBSHSettings rssfu_configAudioBCFMRDSRBDS

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_ReadAudioBCFMRDSRBDSRadioTextStatus rssfu_configAudioBCFMRDSRBDSDecoderIdn rssfu_SetAudioBCFMAFAFreq rssfu_ConfigureAudioBCFMAFAFrequency rssfu_SetAudioBCFMAFBList rssfu_SetAudioBCFMAFBFreq rssfu_ConfigureAudioBCFMAFBFrequency rssfu_configAudioBCFMEONParameters rssfu_SetAudioBCFMEONAFAFreq rssfu_ConfigureAudioBCFMEONAFAFrequency rssfu_SetAudioBCFMEONAFMappedFreqNumberOfFreq rssfu_ConfigureAudioBCFMEONAFMappedFrequency rssfu_EnableAudioBCFMTMC rssfu_AudioBCFMTMCSendData rssfu_SetAudioBCTMCGroup3AVARParameters rssfu_SetAudioBCTMCNumberOf8AGroups rssfu_ConfigureAudioBCFMTMC8ABlock rssfu_EnableAudioBCFMOpenFormat rssfu_AudioBCFMOpenFormatSendData rssfu_ConfigureAudioBCOpenFormatGroupA rssfu_ConfigureAudioBCOpenFormatGroupB rssfu_AudioBCOpenFormatGroupDataTransferStatus rssfu_confFadingSignalDelayShift rssfu_SetOPCTimeout rssfu_GetOPCTimeout
1.90	11/2008	Driver for SFU Broadcast Test System firmware version 1.90 - new functions: rssfu_audioTransmissionStandard rssfu_readDiditalIqSymbolRate rssfu_configAudioBCFMInputSignal rssfu_confAudioBCFMSource rssfu_readAudioBCFMExternalSource rssfu_configAudioBCFMAudioModulation rssfu_configureAudioBCModulationRDS rssfu_configureAudioMPXFreqDeviation rssfu_readAudioBCFMModulationValues rssfu_enableAudioBCFMSpecialSettings rssfu_confAudioBCFMSpecialSettings rssfu_configAudioBCAMInputSignal rssfu_confAudioBCAMSource

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_readAudioBCAMExternalSource rssfu_confAudioBCAMModulationDepth rssfu_readAudioBCAMModeDepth rssfu_configureFadingSource rssfu_confBERGatingTime rssfu_readTSGenSeekPosition - modified functions: rssfu_confTxModulation rssfu_confDTMBTestSignal rssfu_confBERInputs
1.80.1	08/2008	Driver for SFU Broadcast Test System firmware version 1.80 - modified functions/attributes: rssfu_readModulationSigInfoStat - added *OPC rssfu_confTxModulation, RSSFU_ATTR_MOD_DM_SPECTRUM rssfu_confTxModulation, RSSFU_ATTR_MOD_DM_TRANSMISSION_STANDARD - added rangetable: rssfu_readDVBCValues, RSSFU_ATTR_IQC_DVBC_PACKET_LENGTH rssfu_readDVBSValues, RSSFU_ATTR_IQC_DVBS_PACKET_LENGTH rssfu_readDMBTValues, RSSFU_ATTR_IQC_DMBT_PACKET_LENGTH rssfu_readDVBTValues, RSSFU_ATTR_IQC_DVBT_PACKET_LENGTH rssfu_readDVBTValues, RSSFU_ATTR_IQC_DVBT_PACKET_LENGTH_LOW rssfu_readDTMBValues, RSSFU_ATTR_IQC_DTMB_CODING_PACKED_LENGTH
1.80.0	06/2008	Driver for SFU Broadcast Test System firmware version 1.80 Modifications: - new functions: rssfu_confTxModulationInterfererSignal rssfu_confTxModIqInputRefresh rssfu_confDTMBDualPilotTone rssfu_confDVBS2ACMMode rssfu_confDVBS2FecFrame rssfu_confDirectvPhaseNoise rssfu_readAVSBCoderStatus rssfu_confAVSBInputSignal rssfu_confAVSBTestSignal rssfu_readAVSBPackedLength

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_readAVSBValues rssfu_setAVSBSymbolRate rssfu_readAVSBConstellation rssfu_readAVSBRollOff rssfu_confAVSBCodingVSBState rssfu_actEnableAVSBSpecial rssfu_confAVSBSpecial rssfu_confAVSBRfWatermarkSettings rssfu_confAVSBSrsSettings rssfu_confAVSBSettings rssfu_setImpOptimizationMode rssfu_confFadingMaxPaths rssfu_confFadingCouplingSettings rssfu_actEnablePowerMeter rssfu_powerMeterConfiguration rssfu_confPowerMeterFrequency rssfu_relativePowerState rssfu_readAbsoluteOutputPower rssfu_actPowerMeterM2Ref rssfu_actPowerMeterZero rssfu_confAverageFilter rssfu_actAverageAutoOnce - modified: rssfu_confDVBCCoding - Roll Off - changed data type rssfu_confTxModulation rssfu_confDTMBHCoding rssfu_confDTMBCoding rssfu_confDTMBSettings rssfu_confFadingPathProfile rssfu_confFadingDelaySettings
1.70.01	03/2008	Driver for SFU Broadcast Test System firmware version 1.70 Modifications: rssfu_confTxModulation - fixed attenuation range
1.70.0	02/2008	Driver update for SFU Broadcast Test System firmware version 1.70 Modifications: - new functions:

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_confISDBTSystem rssfu_confISDBTSubChannel rssfu_readDTMBCoderStatus rssfu_confDTMBInputSignal rssfu_confDTMBTestSignal rssfu_readDTMBValues rssfu_confDTMBNetworkMode rssfu_confDTMBChannelBandwidth rssfu_confDTMBCoding rssfu_confDTMBHCoding rssfu_readDTMBSFNValues rssfu_actEnableDTMBSpecial rssfu_actEnableDMBHModeDTMBSpecial rssfu_confDTMBSpecial rssfu_confDTMBSettings rssfu_confFadingPathProfileResultDopplerFreq rssfu_confFadingBirthDeathDopplerFrequency rssfu_confFading2pathDynamicDelayDopplerShift - modified: rssfu_confTxModulation rssfu_confTDMBInputSignal rssfu_confDVBSTestSignal rssfu_confDMBTTestSignal rssfu_confDVBS2TestSignal rssfu_confDVBS2Special rssfu_configAnalogTvAudio rssfu_readTsgenPlayerParam rssfu_WaitForOPCCallback - fixed, bad OPC mask - DMB-TH transmission standard moved to obsolete functions
1.60.2	11/2007	Modifications: Added wait for OPC when loading/storing fading profile Fixed rssfu_confDMBTHCoding New rsidr_core
1.60.1	09/2007.	Modifications: Added rssfu.sub to LabWindows/CVI ZIP archive
1.60	03/2007.	Driver update for SFU Broadcast Test System firmware version 1.60 - new functions: rssfu_readExternalAudioInputLevel rssfu_confAnalogTvNICAMSignal

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_confAnalogTvAudioInputSignal rssfu_configAnalogTvAudioAf rssfu_configAnalogTvAudioImpedance rssfu_confAnalogTvSpecialVsbCharacteristic rssfu_confAnalogTvSpecialVideoCarrier rssfu_setAnalogTvSpecialAmModulationDepth rssfu_confAnalogTvVideoInputSignal rssfu_loadAnalogTvVideoLibrary rssfu_analogTvVideoLibraryCatalog rssfu_analogTvVideoLibraryCatalogLength rssfu_actARBWaveformFileTag rssfu_setMfloChannelBandwidth rssfu_readPeakEnvelopePower rssfu_setDMBTHSpecialSingleCarrier rssfu_confFadingReferenceSettings rssfu_configureFading rssfu_setStatusRegister rssfu_getStatusRegister rssfu_setUserDefStatusRegister rssfu_getUserDefStatusRegister rssfu_storeLoadInstrumentData rssfu_storeLoadFadingSettings rssfu_storeLoadApplication rssfu_noiseFileOperations rssfu_fadingCatalog rssfu_confDVBS2Pilots - modified: rssfu_confDVBS2Coding rssfu_confISDBTSpecialSegmentSettings rssfu_confFadingStandardSet rssfu_confTDMBConfiguration rssfu_confAnalogTvVideo rssfu_confAnalogTvVideoVisionPicture rssfu_ARBWaveformCatalog rssfu_ARBWaveformCatalogLength rssfu_ARBWaveformSamples - removed: rssfu_confDVBS2H8PSKSettings
1.50.0	11/2006	Driver update for SFU Broadcast Test System firmware version 1.50 - modified functions:

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_confJ83BTestSignal rssfu_confDirectvInputSignal rssfu_confTxModulation rssfu_confFadingPathProfile rssfu_rssfu_actFadingConfig rssfu_confTxModInterfAtvPredefStd rssfu_confFadingStandardSet rssfu_readDMBTSFNValues rssfu_confFadingBirthDeathPathProfile - new functions: rssfu_SetTxActualCenterFrequency rssfu_SetTxFrequencyChannel rssfu_FrequencyChannelTableOperations rssfu_ConfigureChannelTableFrequency rssfu_SetFrequencyVSBReferencePoint rssfu_readTxFreq rssfu_txRfOutputProtectionTripped rssfu_actTxRfOutputClear rssfu_GetLevelOfPhaseNoise rssfu_DeleteARBWaveform rssfu_ARBWaveformSamples rssfu_ARBWaveformCatalog rssfu_ARBWaveformCatalogLength rssfu_confARBExternalClock rssfu_readARBExternalClockFrequency rssfu_confARBTrigger rssfu_actARBTriggerExecute rssfu_readARBTriggerStatus rssfu_confARBMarker rssfu_readTsgenStatus rssfu_readTsgenRecordProgress rssfu_confReferenceOscillator rssfu_confTriggerIO rssfu_confFading2pathDynamicDelayPath rssfu_confFading2pathDynamicDelay rssfu_readFading2pathDynamicDelayDopplerShift rssfu_configAnalogTvAudio rssfu_confAnalogTvVideo rssfu_confAnalogTvVideoVisionPicture rssfu_readAnalogTvValues rssfu_actEnableAnalogTvSpecial

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_confAnalogTvPreemphasis rssfu_confAnalogTvPilot rssfu_confAnalogTvSubcarrierSettings rssfu_confAnalogTvSpecialSettings rssfu_readISDBTCoderStatus rssfu_confISDBTInputSignal rssfu_confISDBTTestSignal rssfu_readISDBTInputDataRate rssfu_readISDBTValues rssfu_confISDBTLayerCoding rssfu_confISDBTCoding rssfu_confISDBTSegments rssfu_readISDBTBandwidth rssfu_actEnableISDBTSpecial rssfu_confISDBTSpecial rssfu_confISDBTSpecialPilotSettings rssfu_confISDBTSpecialPilotModulationSettings rssfu_confISDBTSpecialSegmentSettings rssfu_confISDBTSpecialAcDataSettings rssfu_confISDBTSpecialGuardInsertionSettings rssfu_confISDBTSettings rssfu_readDMBTHCoderStatus rssfu_confDMBTHInputSignal rssfu_confDMBTHTestSignal rssfu_readDMBTHPackedLength rssfu_readDMBTHValues rssfu_confDMBTHNetwork rssfu_confDMBTHControl rssfu_confDMBTHCoding rssfu_confDMBTHCodingHandheld rssfu_readDMBTHSFNValues rssfu_actEnableDMBTHSpecial rssfu_confDMBTHSpecial rssfu_confDMBTHSettings rssfu_confDMBTNetworkMode rssfu_confTDMBConfiguration rssfu_systemDisplayUpdate rssfu_systemKeypadLock - obsolete: rssfu_confNoise_obs rssfu_confNoisePulse_obs

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_confNoiseParameters rssfu_confTDMBSettings rssfu_confDVBCNetwork
1.45.0	07/2006	Driver update for SFU Broadcast Test System firmware version 1.45 - new function: rssfu_read8VSBCoderStatus rssfu_conf8VSBInputSignal rssfu_conf8VSBTestSignal rssfu_read8VSBPackedLength rssfu_read8VSBValues rssfu_set8VSBSymbolRate rssfu_read8VSBConstellation rssfu_read8VSBRollOff rssfu_actEnable8VSBSpecial rssfu_conf8VSBSpecial rssfu_conf8VSBSettings rssfu_readJ83BCoderStatus rssfu_confJ83BInputSignal rssfu_confJ83BTestSignal rssfu_readJ83BPackedLength rssfu_readJ83BValues rssfu_confJ83BCoding rssfu_readJ83BRollOff rssfu_actEnableJ83BSpecial rssfu_confJ83BSpecial rssfu_confJ83BSettings
1.44.0	05/2006	Driver update for SFU Broadcast Test System firmware version 1.44 - new function: rssfu_confAtvTransStandard rssfu_confTxModInterfAtvPredefStd rssfu_confTxModulatorLevel rssfu_readModulationSigInfoStat rssfu_confDirectvInputSignal rssfu_readDirectvPackedLength rssfu_readDirectvValues rssfu_confDirectvCoding rssfu_actEnableDirectvSpecial rssfu_confDirectvSpecial rssfu_confDirectvSettings

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_readMfloCoderStatus rssfu_confMfloInputSignal rssfu_readMfloMeasDataRate rssfu_confMfloDelaySettings rssfu_readMfloDelaySsfArrivalTime rssfu_actEnableMfloSpecial rssfu_confMfloSpecial rssfu_confMfloAreaSettings rssfu_confMfloIdSettings rssfu_readMfloLengthSettings rssfu_confNoise rssfu_confNoiseCn rssfu_confNoisePulse rssfu_confNoiseBwSettings rssfu_actFileCatPath rssfu_readCatalogLength rssfu_readToFile rssfu_writeFromFile rssfu_ReadDataUnknownLength - modified functions: rssfu_confTxModulation rssfu_confTxModulationInterferer rssfu_confDVBTCoding rssfu_readNoiseGenState rssfu_reset - timeout for reset is set to 30s
1.40.0	03/2006	Driver update for SFU Broadcast Test System firmware version 1.40 - modified functions: rssfu_confTxModulationSettings rssfu_confTxModulationInterferer - added new functions: rssfu_readNoiseGenState rssfu_readNoiseCN rssfu_readTxLevel rssfu_readTxFreq rssfu_actFadingConfig rssfu_confFadingBirthDeathPathLoss rssfu_readFadingBirthDeathPathProfile rssfu_confFadingBirthDeathPathProfile rssfu_readFadingBirthDeathPathProfileResults rssfu_confFadingMovingPropagPathReference

History for LabWindows/CVI and VXIplug&play Instrument Driver for C#, C/C++, Visual Basic .NET, VEE, etc.		
Revision	Date	Note
		rssfu_confFadingMovingPropagPath rssfu_readTDMBCoderStatus rssfu_confTDMBInputSignal rssfu_readTDMBValues rssfu_readTDMBEtiInput rssfu_readTDMBInfo rssfu_actEnableTDMBSpecial rssfu_confTDMBSpecial rssfu_confTDMBSettings rssfu_confTsgenApplication rssfu_actTsgenStatus rssfu_readTsgenPlayerParam rssfu_confTsgenTimingSettings rssfu_confTsgenPcrJitter rssfu_confTsgenInterfaceSetGen rssfu_readTsgenRecParam rssfu_confTsgenInterfaceSetRec rssfu_actFileOperations rssfu_confTsgenPlayfile rssfu_confTsgenNewRecordStream
1.22.1	01/2006	Driver for SFU Firmware 1.22 Modifications: - Minor changes in range checking - fixed rssfu_confDVBTCoding - added attribute help
1.22	10/2005	Driver for SFU Firmware 1.22 - Initial Release

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 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

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