

History and release notes for the Rohde & Schwarz SMIQ Vector Signal Generators

Contents

| | |
|---|---|
| Contents..... | 1 |
| SMIQ driver history | 1 |
| LabWindows/CVI | 5 |
| Additional Help | 5 |
| VXIplug&play Instrument Driver for VEE, Visual Basic, Visual C++, Borland C++ etc. | 5 |
| Additional Help | 5 |
| Additional Information..... | 5 |

| SMIQ driver history | | |
|----------------------------|---------|---|
| Revision | Date | Note |
| 2.4.2 | 09/2004 | Modifications -Fixed functions: rssmiq_w3gppBStationEnhancedOverall rssmiq_w3gppMStationEnhancedOverall |
| 2.4.1 | 08/2004 | Modifications Bug fixed: rssmiq_loadWaveformFile |
| 2.4.0 | 05/2004 | Modifications - Implementation of partial SMU support - Fully or partially compatible functions: rssmiq_init rssmiq_RFfrequency rssmiq_RFlevel rssmiq_RFlevelAtRecall rssmiq_ALC rssmiq_userCorrection rssmiq_LFoutput rssmiq_getPeakEnvelopePower rssmiq_BERT rssmiq_setBERTAddParameters rssmiq_BERTControl rssmiq_GetBERTResults rssmiq_configureBLER rssmiq_BLERControl rssmiq_getBLERResults rssmiq_getBLERType rssmiq_qRFfrequency rssmiq_qRFlevel rssmiq_qRFlevOffset rssmiq_qRFstartStopFreq rssmiq_qRFcenterSpanFreq rssmiq_qRFsweepStep rssmiq_qLFfreq rssmiq_qLFvlt rssmiq_qAMmodDep rssmiq_AM rssmiq_PULM rssmiq_BBAM rssmiq_RFsweep rssmiq_RFlevelSweep rssmiq_LFsweep rssmiq_freqAndLevList |

SMIQ driver history

| Revision | Date | Note |
|----------|------|---|
| | | rssmiq_vectModulation rssmiq_IQModImp rssmiq_IQModParameters rssmiq_digModulation rssmiq_digModLists rssmiq_confDigModStdTrig rssmiq_digModStdPowRamp rssmiq_getDigitalModulationDelay rssmiq_digModASKDepth rssmiq_digStdPHS rssmiq_noiseDistSim rssmiq_setArb rssmiq_arbWav rssmiq_getArbMemInfo rssmiq_arbTrigger rssmiq_arbTriggerOut rssmiq_getArbTriggOutCatalog rssmiq_arbClock rssmiq_triggerAction rssmiq_operComplete rssmiq_loadWaveform rssmiq_loadWaveformFile rssmiq_writeInstrData rssmiq_readInstrData rssmiq_reset rssmiq_self_test rssmiq_error_query rssmiq_error_message rssmiq_revision_query rssmiq_saveRecallSetup rssmiq_instrOptions rssmiq_refOsc rssmiq_setPhaseReference rssmiq_beeper rssmiq_calibrate rssmiq_close Incompatible functions rssmiq_modulationState rssmiq_qFMdev rssmiq_qPHMdev rssmiq_FM rssmiq_PHM rssmiq_RFsweepMarkers rssmiq_RFlevelSweepMarkers rssmiq_LFsweepMarkers rssmiq_LFsweepMarkerPolarity rssmiq_switchAllMarkersOff rssmiq_memSequence rssmiq_cfgLstSweTrig rssmiq_getCatalogList rssmiq_IQModLowACP rssmiq_DmSetHighDynamic rssmiq_digModFilterLists rssmiq_digModFormat rssmiq_digModClock rssmiq_selectFilterFromList rssmiq_digModExtIn |

SMIQ driver history

| Revision | Date | Note |
|----------|------|---|
| | | rssmiq_getDigitalModFilterInfo rssmiq_digStdIS95 rssmiq_digStdIS95RevLinkCoded rssmiq_digitalStandardIS95Filter rssmiq_digStdWCDMA rssmiq_digStdWCDMAClockFreq rssmiq_digStdNADC rssmiq_digStdPDC rssmiq_digStdGSM rssmiq_digStdGSMFiltType rssmiq_digStdDECT rssmiq_digStdDECTUserFilter rssmiq_digitalStandardGPS rssmiq_GPSPresetRF rssmiq_getGPSFrequency rssmiq_getGPSCurrentSymbolRate rssmiq_phsSlot rssmiq_WCDMAChannels rssmiq_is95Channels rssmiq_nadcSlot rssmiq_pdcSlot rssmiq_gsmSlot rssmiq_dectSlot rssmiq_getIS95Power rssmiq_dmIS95AdjustPower rssmiq_getWCDMAPower rssmiq_dmWCDMAAdjustPower rssmiq_w3gppState rssmiq_w3gppSetup rssmiq_w3gppSetupCatalog rssmiq_w3gppTestModel rssmiq_w3gppTestModelCatalog rssmiq_w3gppLink rssmiq_w3gppParametrization rssmiq_w3gppCopySettings rssmiq_w3gppBStation rssmiq_w3gppAdjustPower rssmiq_w3gppGetPower rssmiq_w3gppMultiChannel rssmiq_w3gppMultiChannelExec rssmiq_w3gppBStationChannel rssmiq_w3gppGetDomainError rssmiq_w3gppMStation rssmiq_w3gppMStationPRACHChannel rssmiq_w3gppMStationPCPCHChannel rssmiq_w3gppMStationDPCCHChannel rssmiq_w3gppMStationDPCCHToff rssmiq_w3gppMStationDPDCH rssmiq_w3gppMStationDPDCHChannel rssmiq_w3gppGetMStationDPDCHParam rssmiq_w3gppBStationEnhancedOverall rssmiq_w3gppBStationEnhancedChannel rssmiq_w3gppMStationEnhancedOverall rssmiq_w3gppMStationEnhancedChannel rssmiq_w3gppConfigureEnhancedChannel rssmiq_w3gppGetMStationEnhParam rssmiq_w3gppGetFreeFrameMem |

SMIQ driver history

| Revision | Date | Note |
|----------|---------|--|
| | | rssmiq_w3gppGetActualBER rssmiq_w3gppBaseStationOCNSState rssmiq_w3gppBStationOCNS rssmiq_w3gppMStationAdditional rssmiq_w3gppGetGPP3Version rssmiq_w3gppGetChipRate rssmiq_w3gppGetPCCPLength rssmiq_w3gppConfigureBitBlocksErrors rssmiq_w3gppGetResultingBER rssmiq_recalculatingFadingSignal rssmiq_fadingGetExternCrestFactor rssmiq_fadingDefault rssmiq_fadingFineDelayDefault rssmiq_fadingFineDelay rssmiq_fadingFineDelayPath rssmiq_fadingMovingDelayDefault rssmiq_fadingMovingDelay rssmiq_fadingBirthDeathDefault rssmiq_fadingBirthDeath rssmiq_fadingBirthDeathDelayPath rssmiq_fading rssmiq_fadingPath rssmiq_fadingPhaseForCPHAS rssmiq_distCharact rssmiq_distCatalog rssmiq_distMemInfo rssmiq_distMode rssmiq_distPolyCoef rssmiq_distRecalculate rssmiq_distLevCorrect rssmiq_distInvFunc rssmiq_arbAutoSetting rssmiq_arbIQLevel rssmiq_auxIO new CHM help file added added Agilent VISA workaround |
| 2.3.3 | 03/2004 | Modifications -rssmiq_noiseDistSim carrier/noise: changed lower limit to -30dBse -rssmiq_digModulation symbol rate:changed default value to 270833.333 S/s |
| 2.3.2 | 03/2003 | Modifications: Fixed bug in binary data transmission in functions: <ul style="list-style-type: none"> - rssmiq_digModLists - rssmiq_freqAndLevList - rssmiq_loadWaveform - rssmiq_loadWaveformFile |
| 2.3.1 | 01/2003 | Modifications: <ul style="list-style-type: none"> - rssmiq_IQModParameters changed crest factor to ViReal64 - rssmiq_arbWav |
| 2.3 | 09/2002 | Modifications: <ul style="list-style-type: none"> - Removed #include from header file - Source code can be compiled with different compilers as CVI. |

LabWindows/CVI

Additional Help

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

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

Additional Help

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

Additional Information

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