

Get your instruments  
automated with

# Silkron™ Conductor

Silkron™ Conductor is an Instrument Automation & Control software, which interfaces directly with the instruments via GPIB, Serial Communication (RS-232), Ethernet and so on.

It comes with a built-in scripting engine which allows the user to write their own automated control sequence easily and quickly in either Visual Basic, C++ or Pascal programming languages. It can also collect data from the instruments automatically to generate reports. Reports can be designed easily in various formats.

The screenshot displays the Silkron Conductor software interface. The main window is titled "Equipment" and shows details for a "Signal Generator" (SML01). Below this, there is a "Script Editor" window with a script for "SML 03" containing steps like "Frequency Setting" and "Test Setup 1". The "Test Setup" dialog is open, showing a diagram of the signal generator connected to a "Measuring instrument" via an "RF" line and a "10 MHz reference" line. The dialog also lists the test receiver and modulation analyzer used.

```
Script Editor
Script Execute
Type: SML 03
Step: 3.2.1 - Frequency Setting
ShowTestSetup("SML - Test Setup 1")
pending...
Instruction("Switch on instrument")
ManualCheck("The basic menu appears after a few")
Instruction("In menu item UTILITIES -> DISPLAY CO")
ManualCheck("The contrast changes from dark to 1")
Instruction("Actuate keys")
ManualCheck("Check the reaction on the display")
15:12
Date / Time | Event
D:\My Projects\AutoCal\source\release\scripts\SML03\3.2.1.csb
```

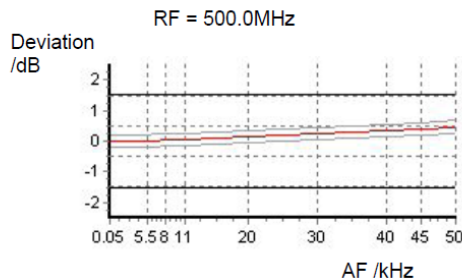
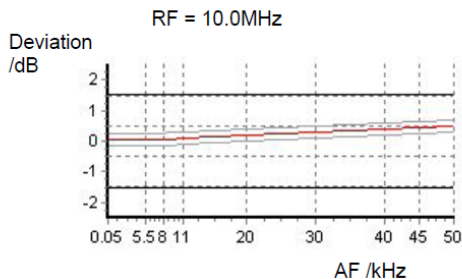
Test Setup
SML - Test Setup 1
10 MHz reference
RF
Measuring instrument
Test receiver (table "Measuring Equipment and Accessories", item 1)
Modulation analyzer (table "Measuring Equipment and Accessories", item 12)

## HIGHLIGHTS

- ✓ Script Editor (supports Visual Basic, C++ & Pascal languages)
- ✓ Process mode (User-friendly console to execute instrument automation process)
- ✓ Automated data collection
- ✓ Report generation
- ✓ Report designer
- ✓ Instrument database
- ✓ Multi-level multi-user security
- ✓ Full support for GPIB, Serial Communication (RS-232), Ethernet & etc
- ✓ Diagnostic tools

Various report formats can be designed to be generated automatically

### 3.5.3 AM Frequency Response



### 3.3.4 Non-Interrupting Level Setting

referred to measured value at 5.1 dBm

Freq. /MHz	attenuation								Result
	- 5 dB		- 10 dB		- 15 dB		- 20 dB		
	Dev. /dB	DUL /dB	Dev. /dB	DUL /dB	Dev. /dB	DUL /dB	Dev. /dB	DUL /dB	
0.12	0.35	+0.25	0.55	+0.5	0.53	+0.75	-0.14	+1.5	FAIL
5.1	0.13	+0.25	0.27	+0.5	0.26	+0.75	0.06	+1.5	PASS
1100	0.05	+0.25	0.17	+0.5	0.27	+0.75	0.20	+1.5	PASS

For measurement uncertainty see annotation {c}

