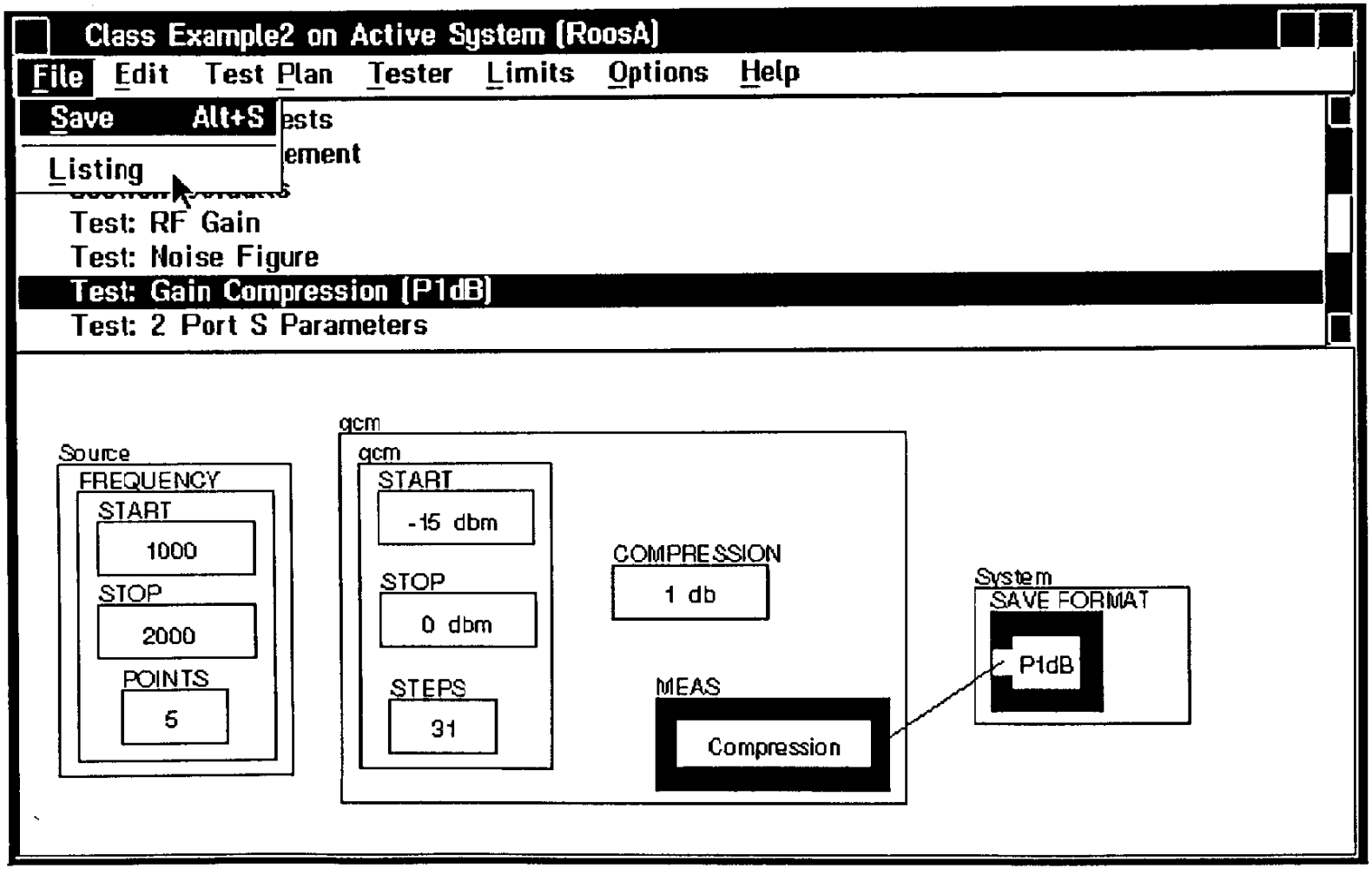
Software Features & Functions

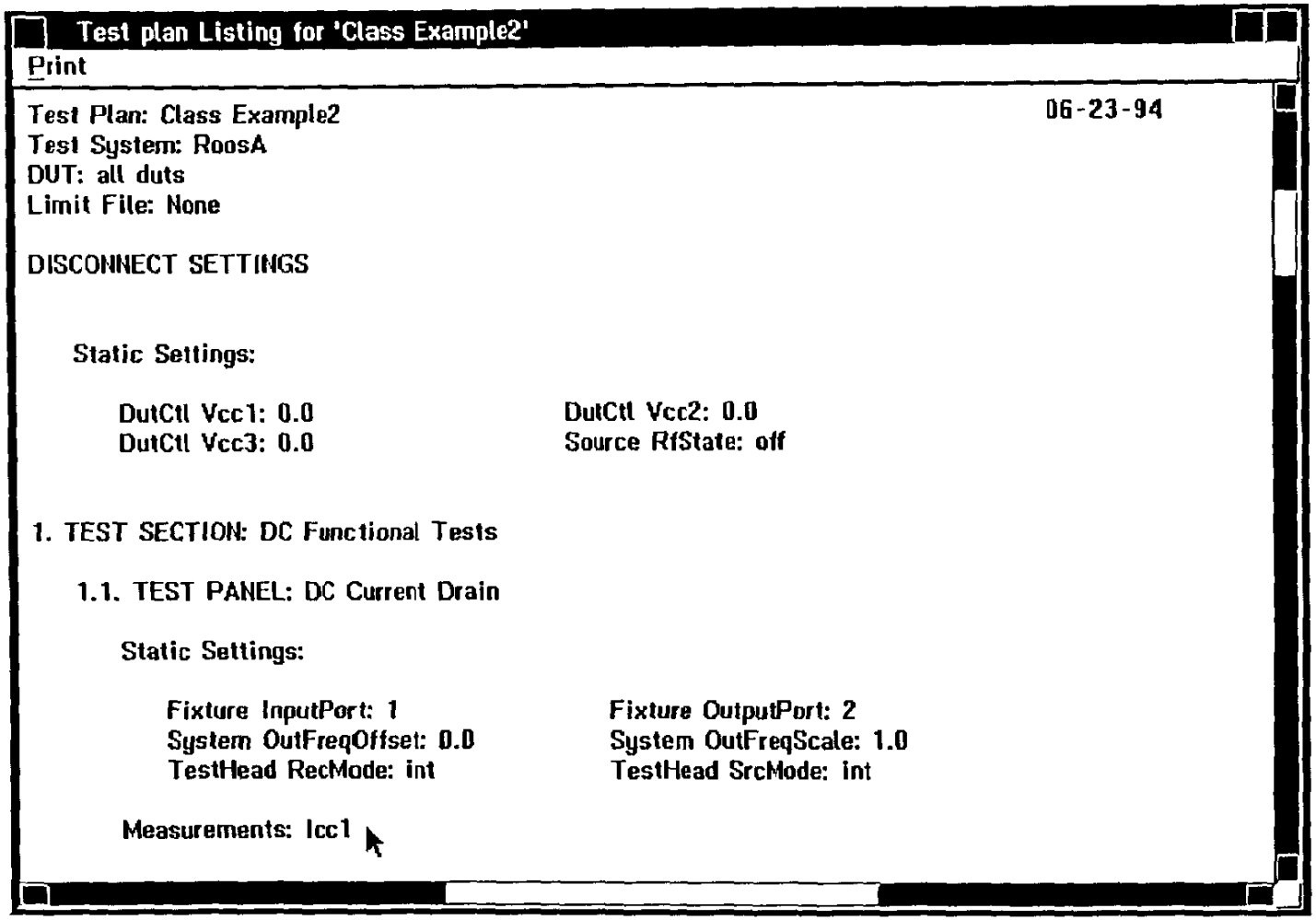
- Test Plan Editor Functions
- Tester Buttons
- Local SQL Data Base
- Managing the Tester-Admin Access

Test Plan Editor Functions

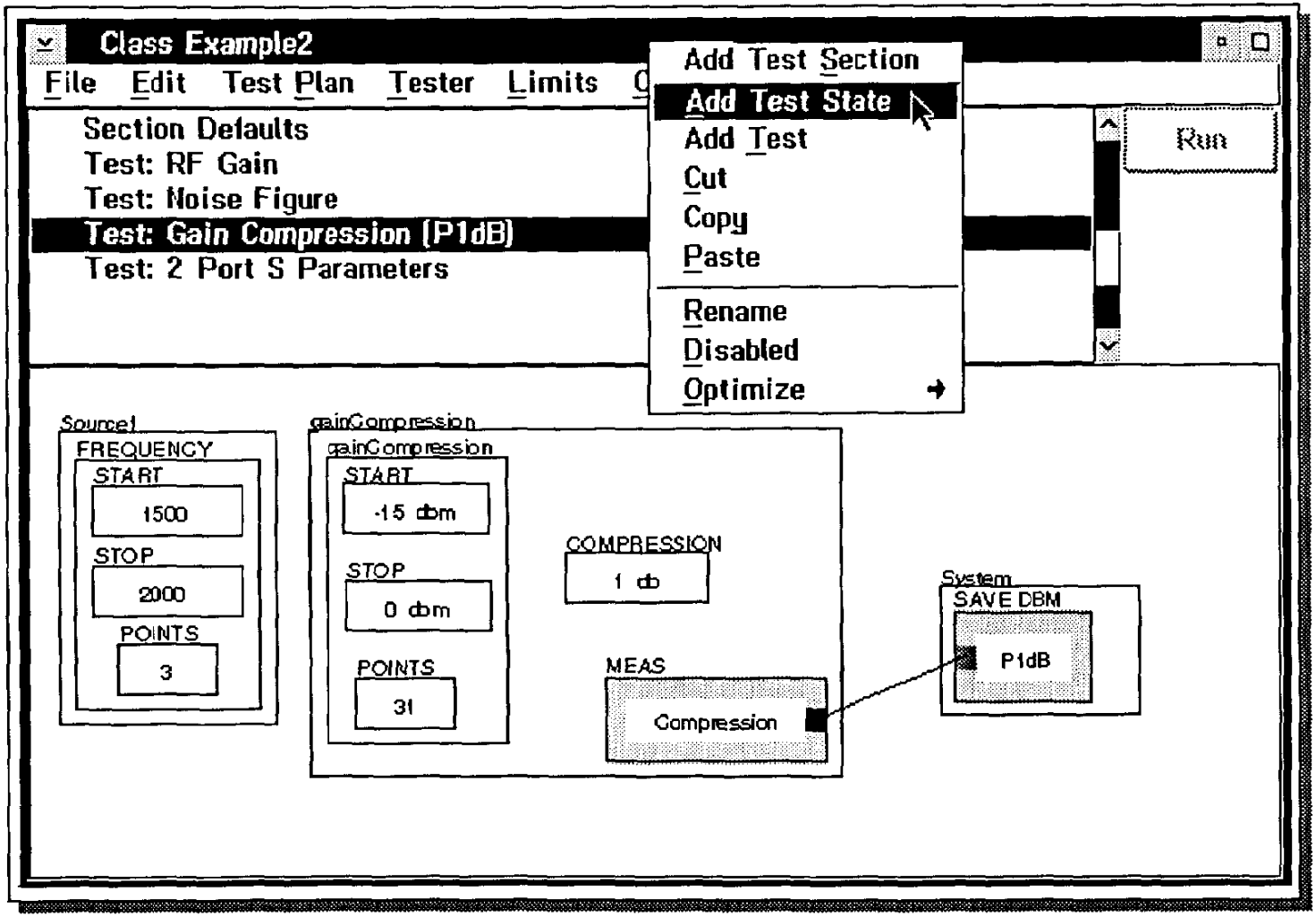
Displaying a List of the Tests & Test States



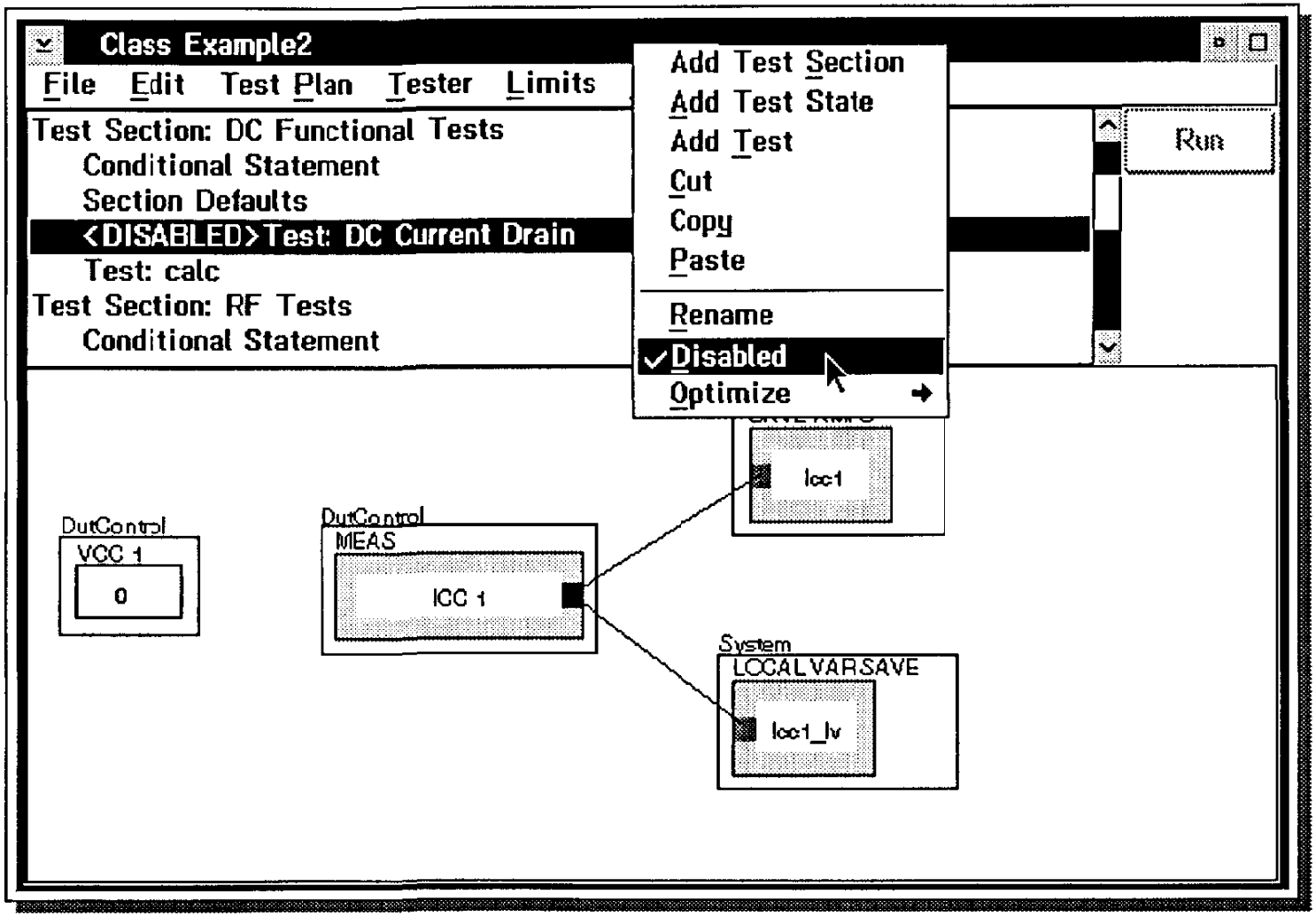
Test Plan Listing



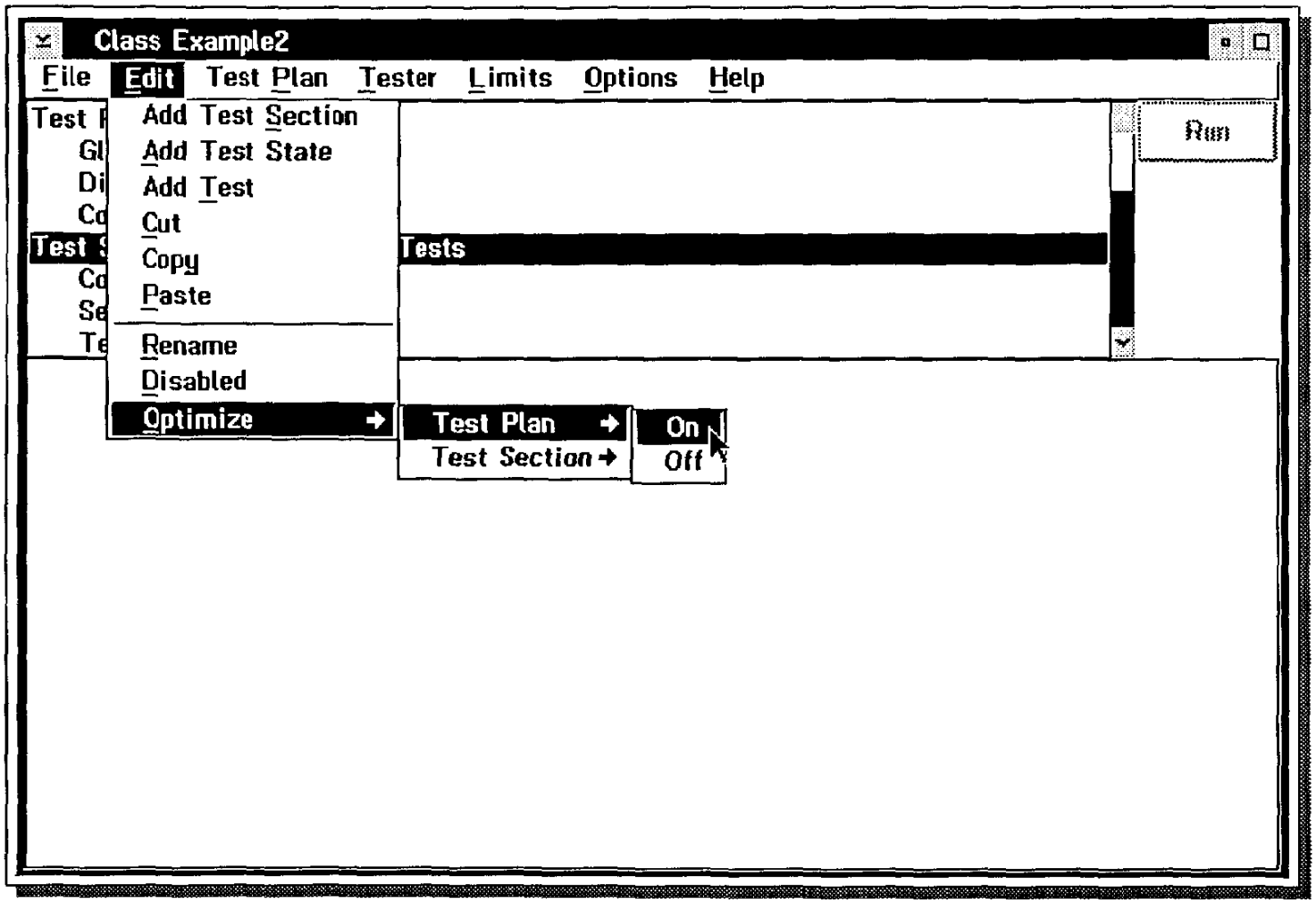
Adding a Test State Panel to the Test Plan



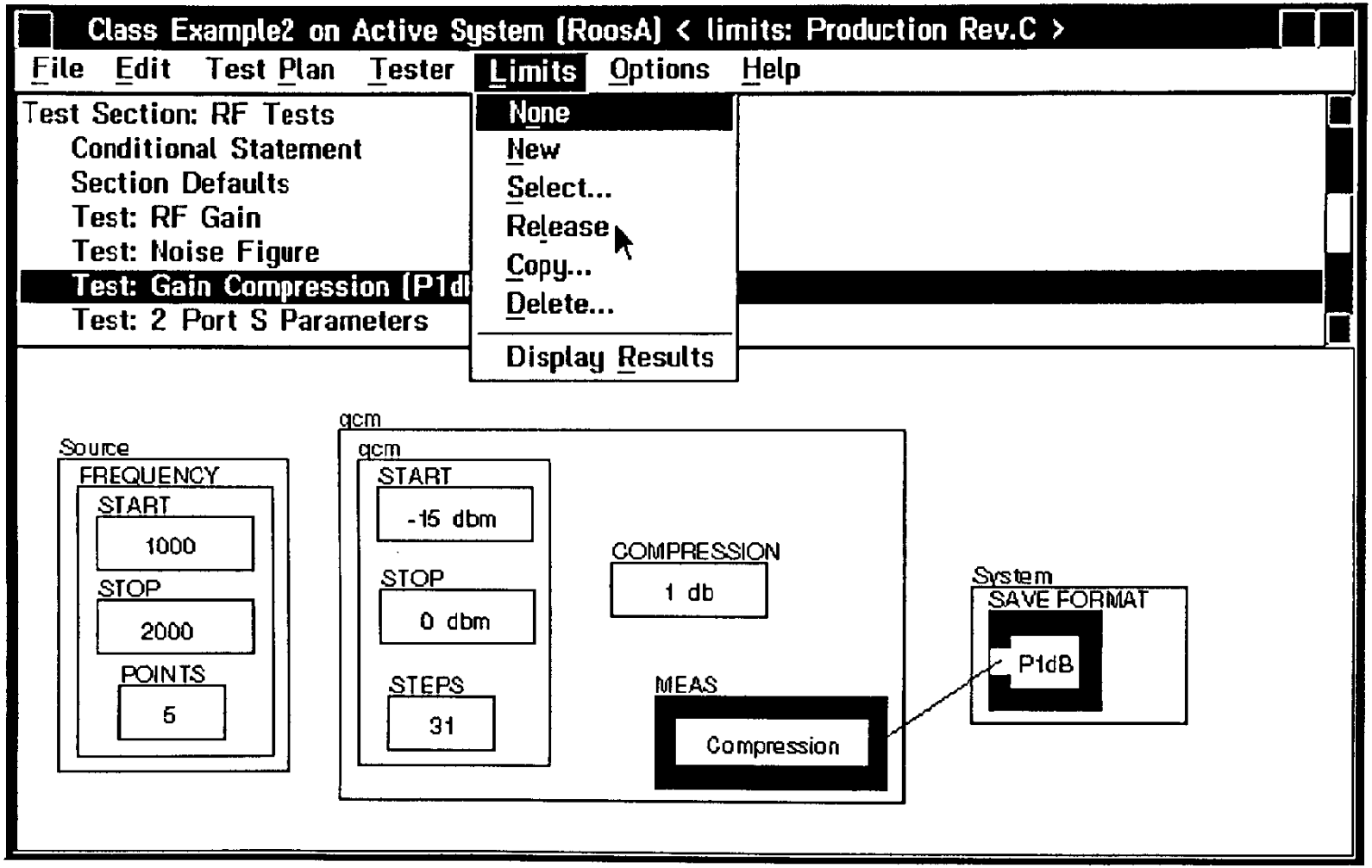
Enabling or Disabling a Test Panel or Test Section



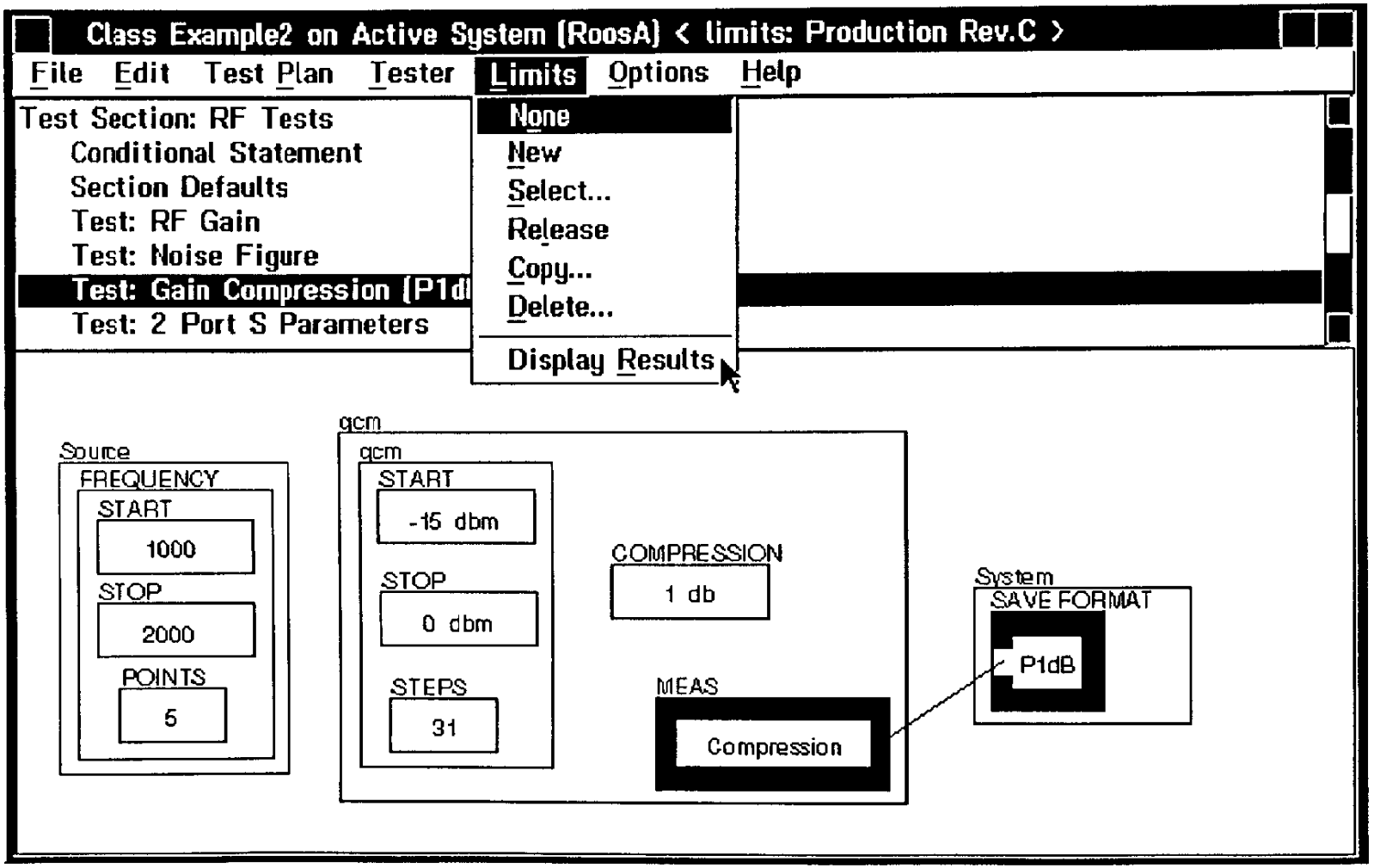
Enable or Disable the Test Plan Optimization in a Test Section or the Entire Test Plan



Releasing a Limits File



Displaying the Test Results vs Test Limits

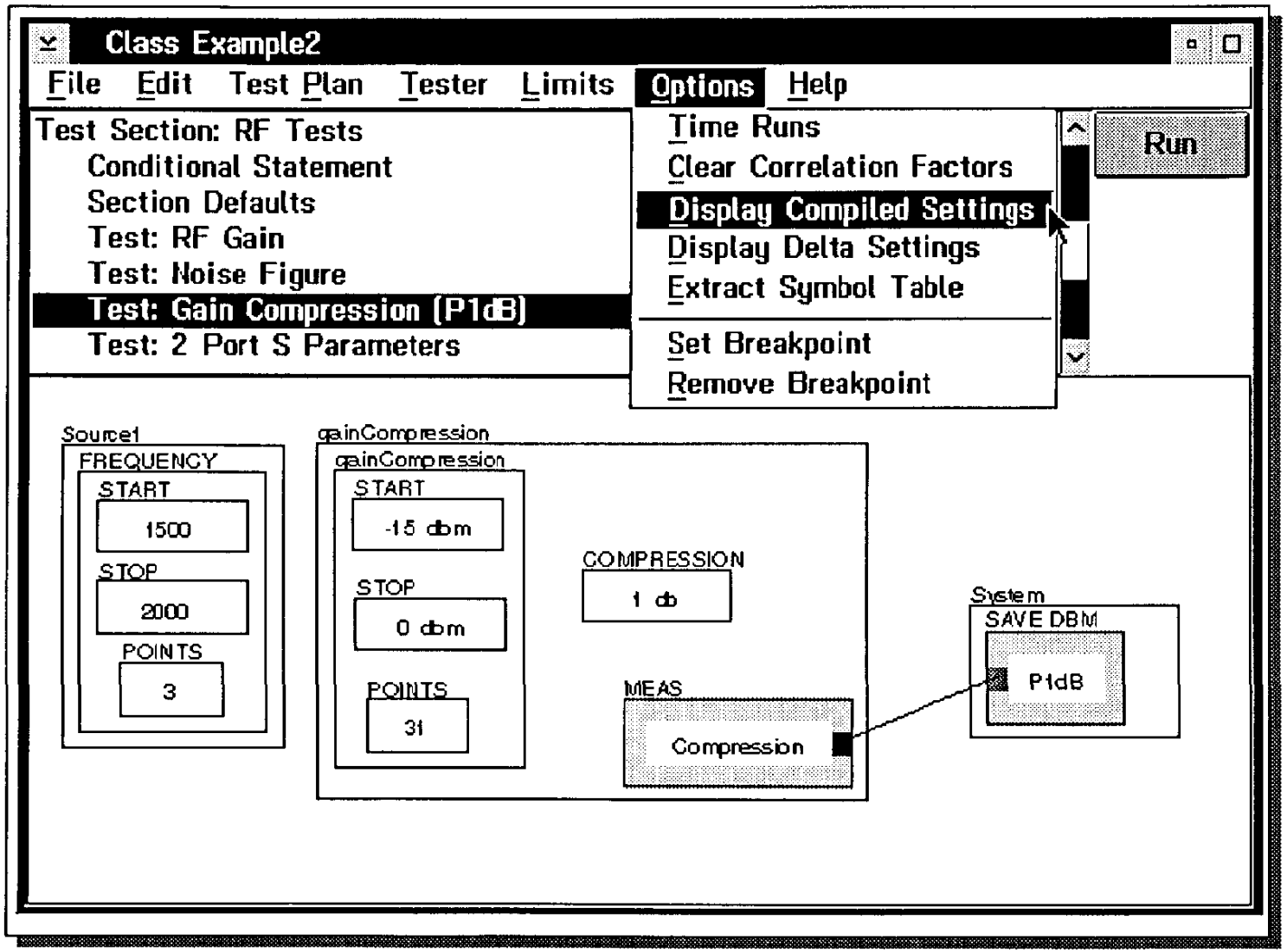


Test Results vs Test Limits

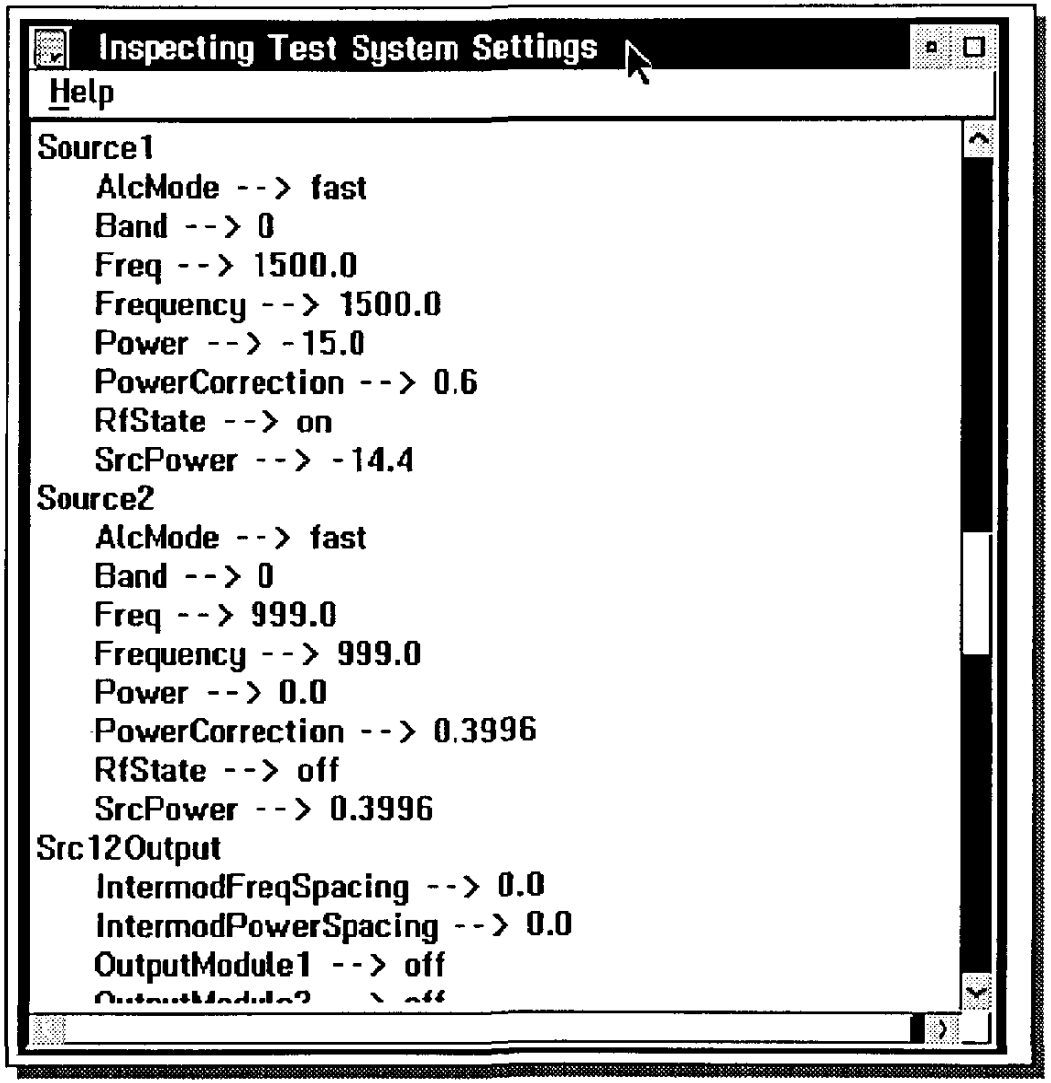
Limit File Results

Test	Result	Data
Icc1	- No Limits -	1.28255380
Gain	Fail	-3.92605428; 2.22233995; 1.09951057; -1.
Gain Sigma	- No Limits -	0.0; 0.0; 0.0; 0.0; 0.0; 0.0; 0.0; 0.0; 0.0; 0.
NF	- No Limits -	20.0; 20.0; 20.0; 20.0; 20.0; 20.0
P1dB	- No Limits -	1.00105313; 1.03584652; 1.05475982; 1.02
S_Par	- No Limits -	0.0; 0.0; 0.0; 0.0; 0.0; 0.0; 0.0; 0.0; 0.0; 0.

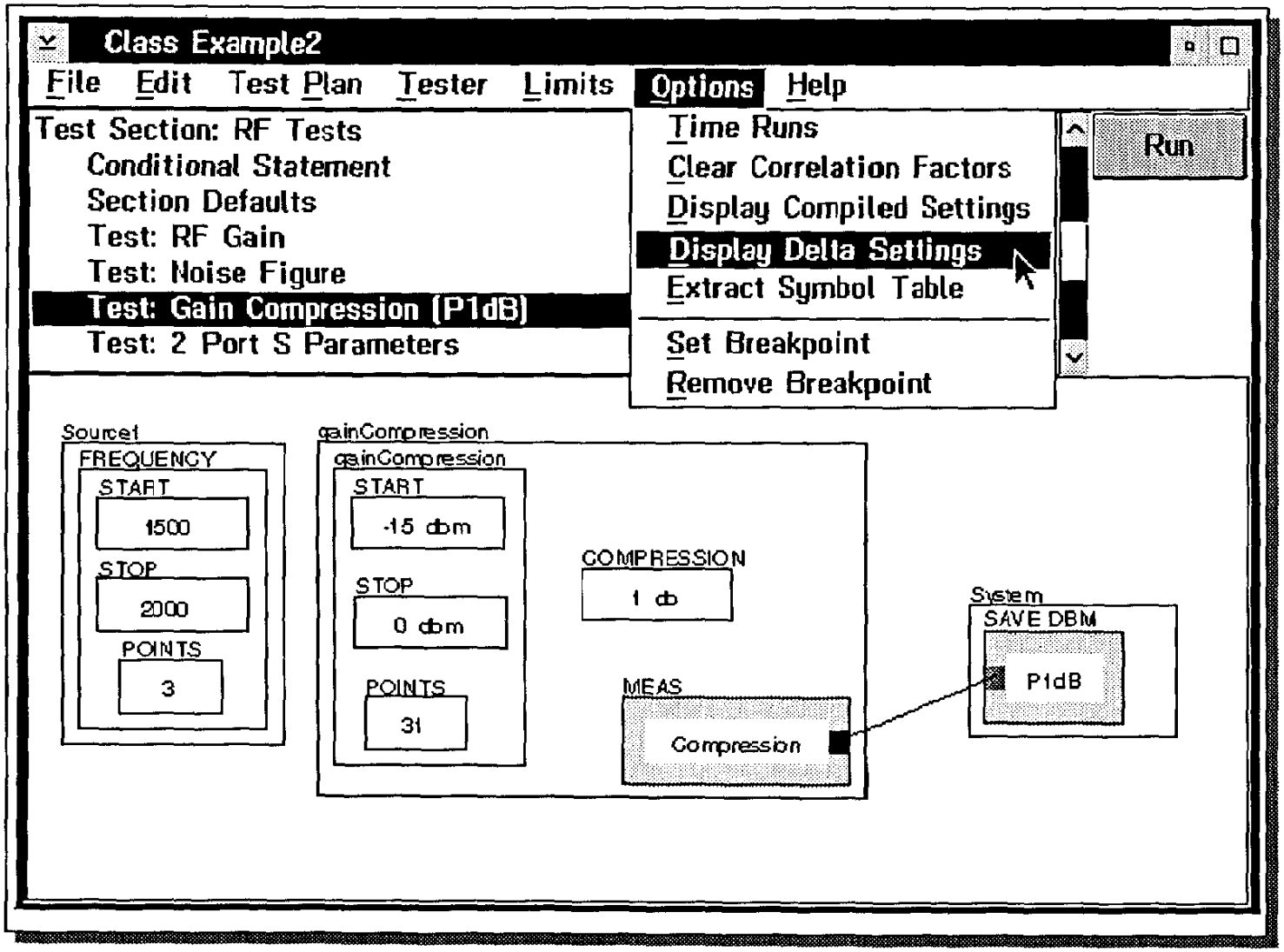
Display the Test Plan's Compiled Settings



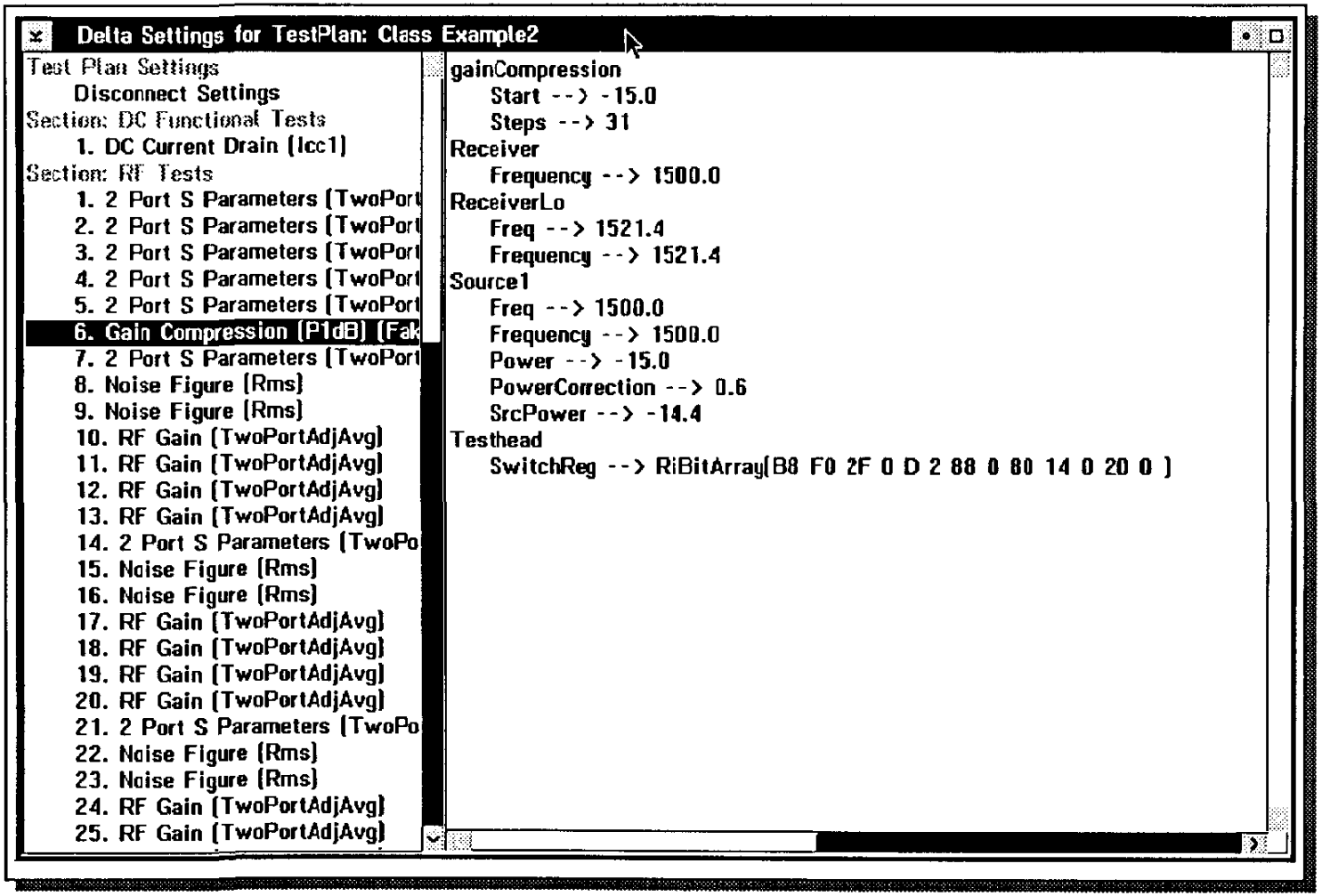
Inspecting the Compiled Settings



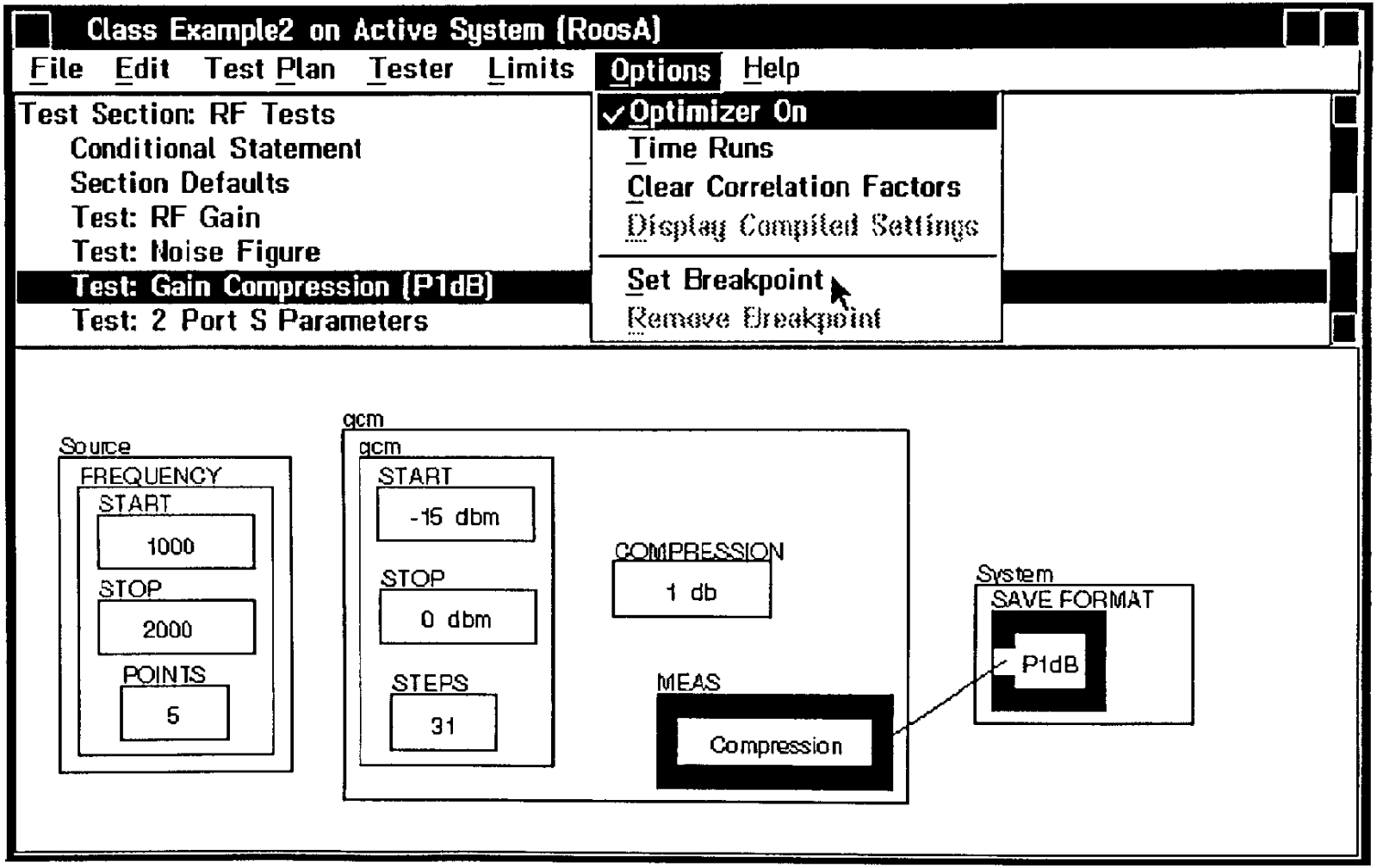
Display the Change in the Tester Settings for each Measurement



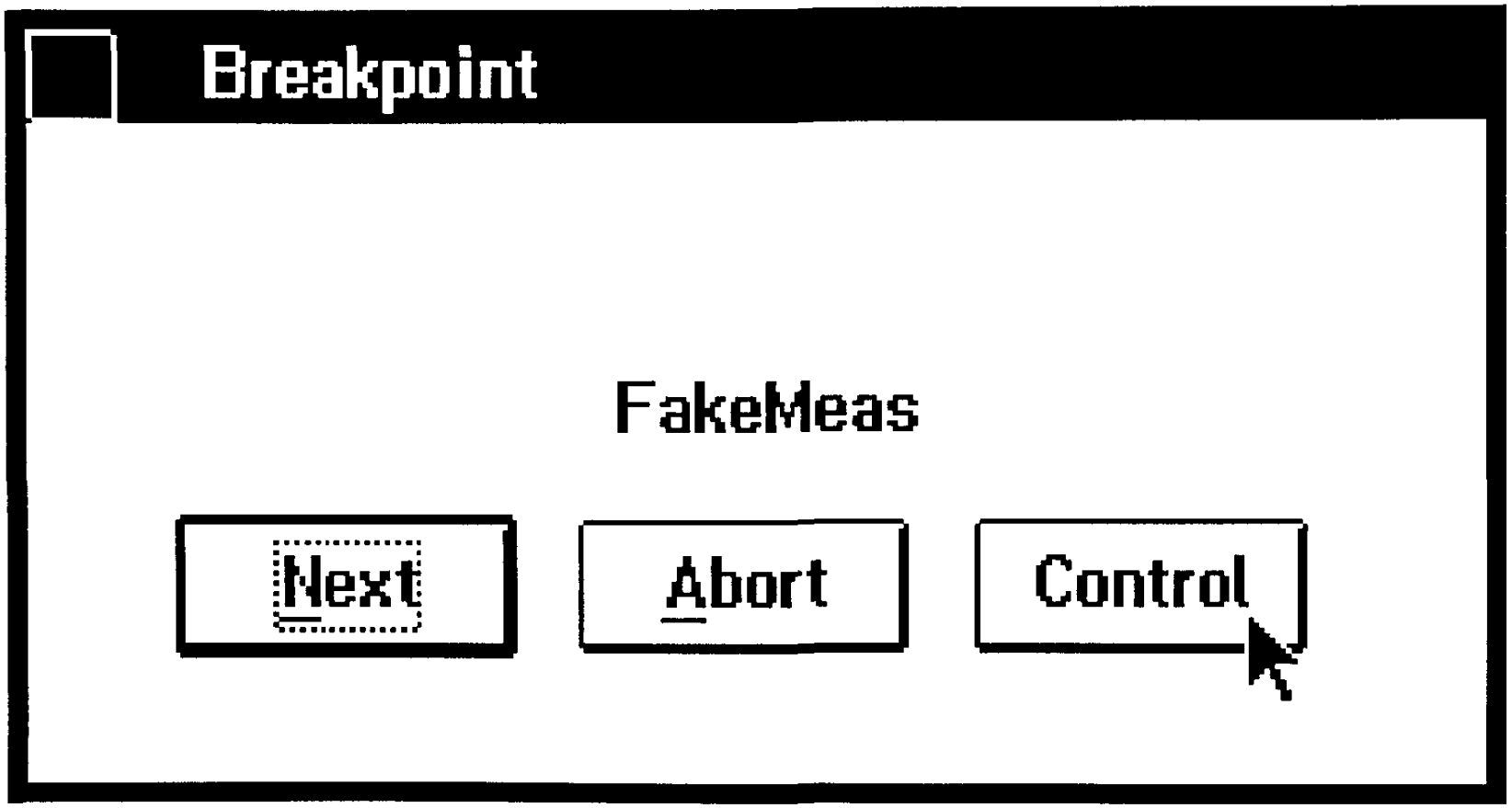
Inspecting the Setting Changes for each Measurement



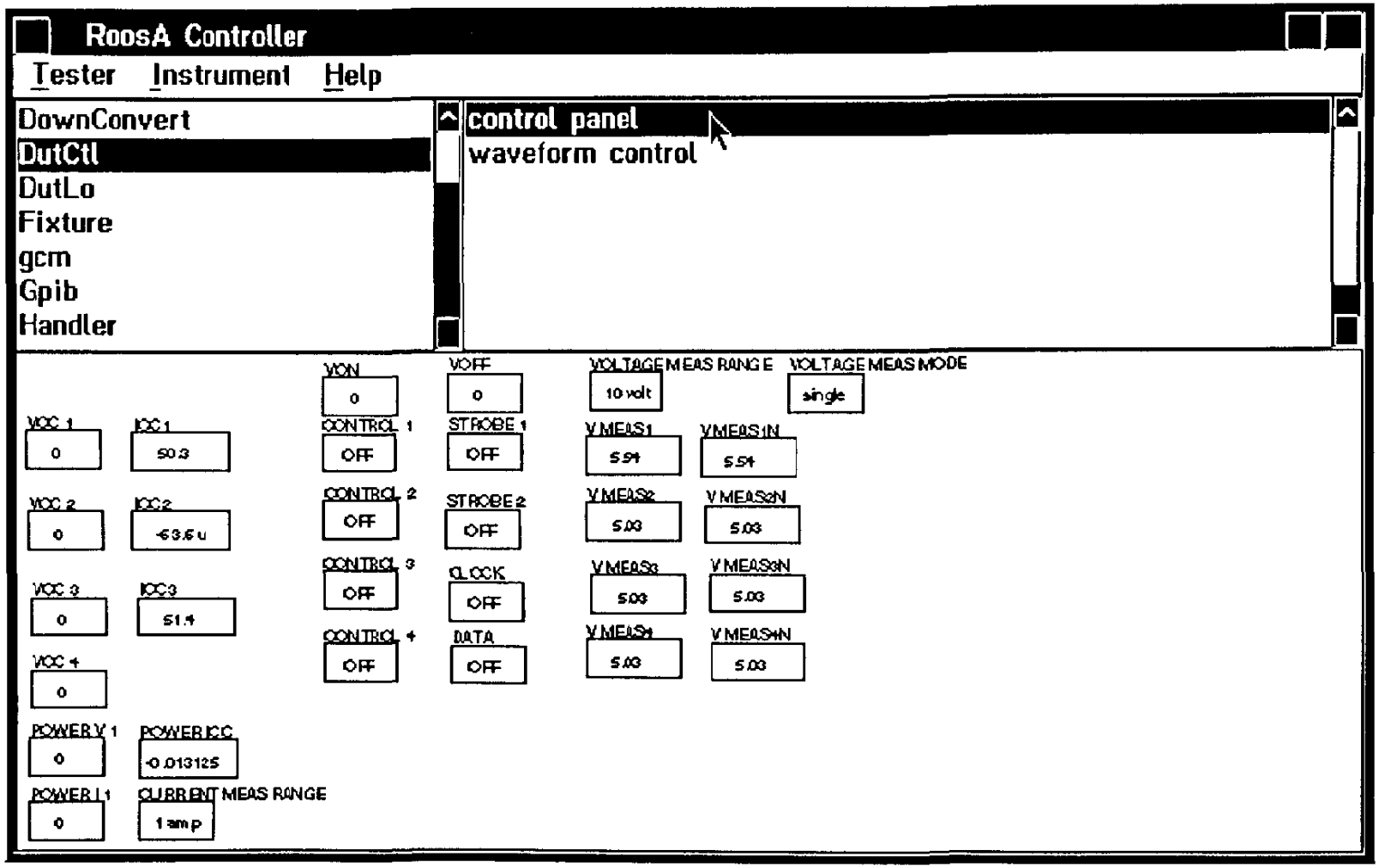
Setting a Break Point



Break Point - Looking at Control Panels



Manual Control of the DUT Controller

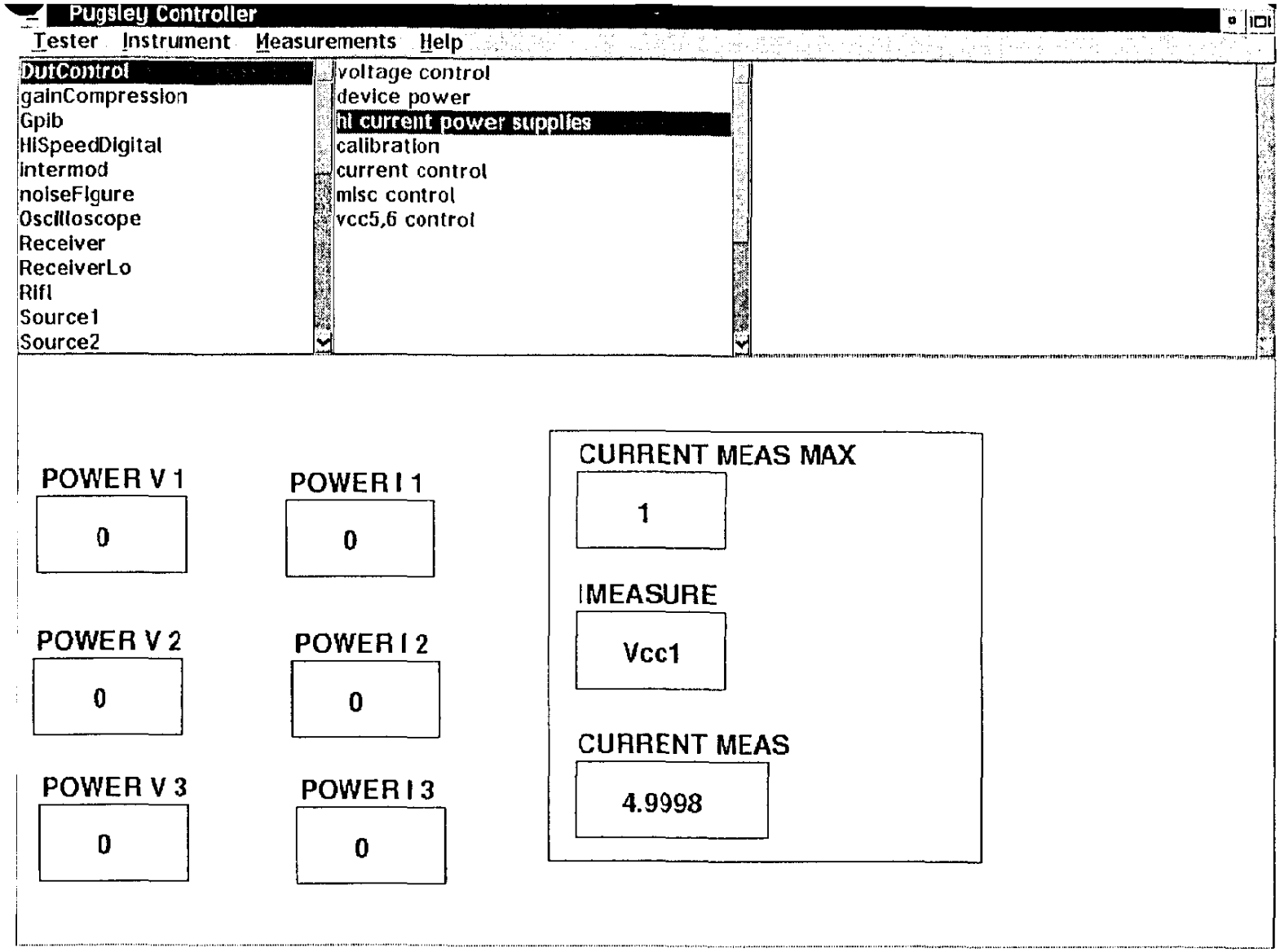


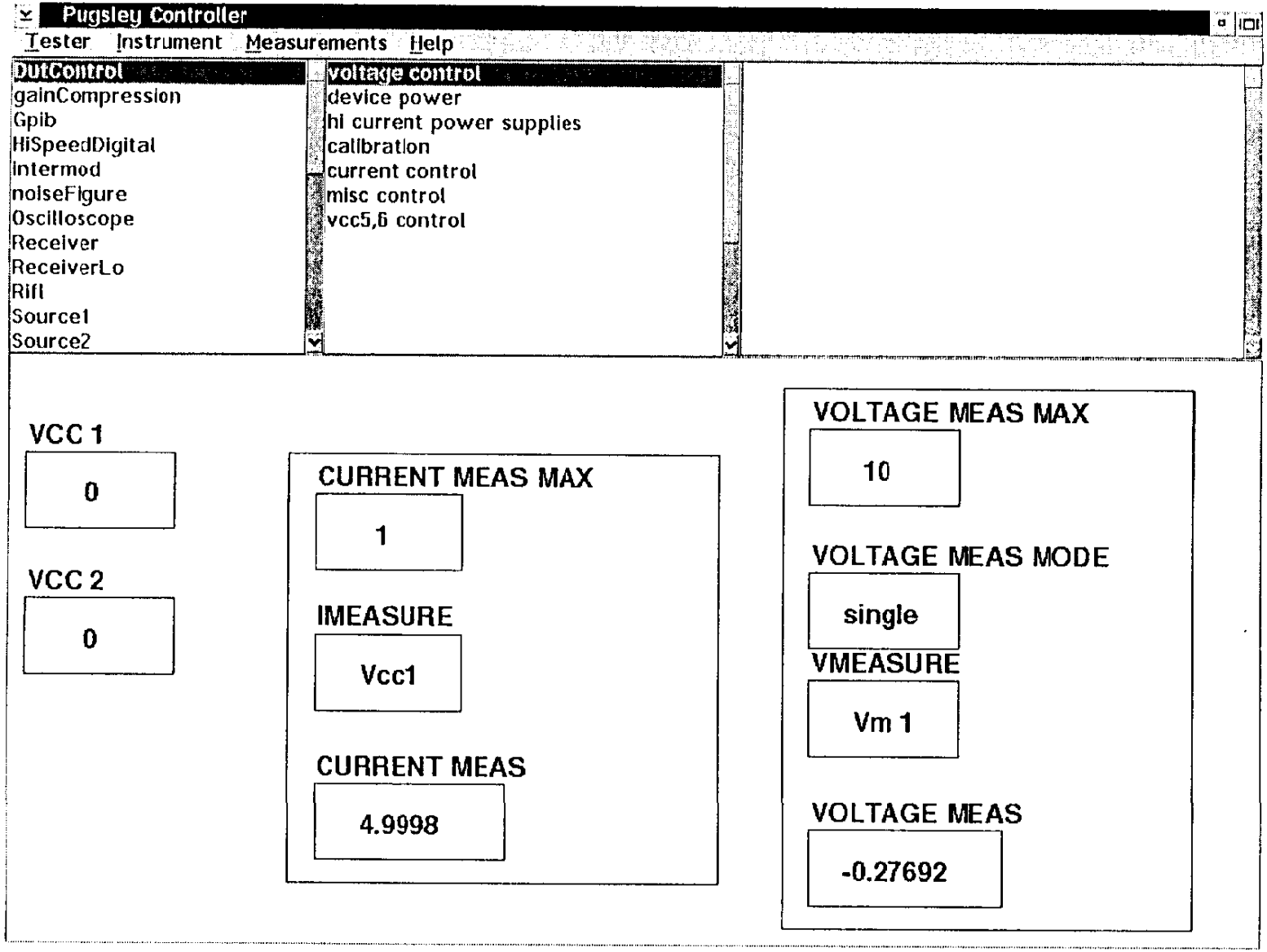
Roos Instruments

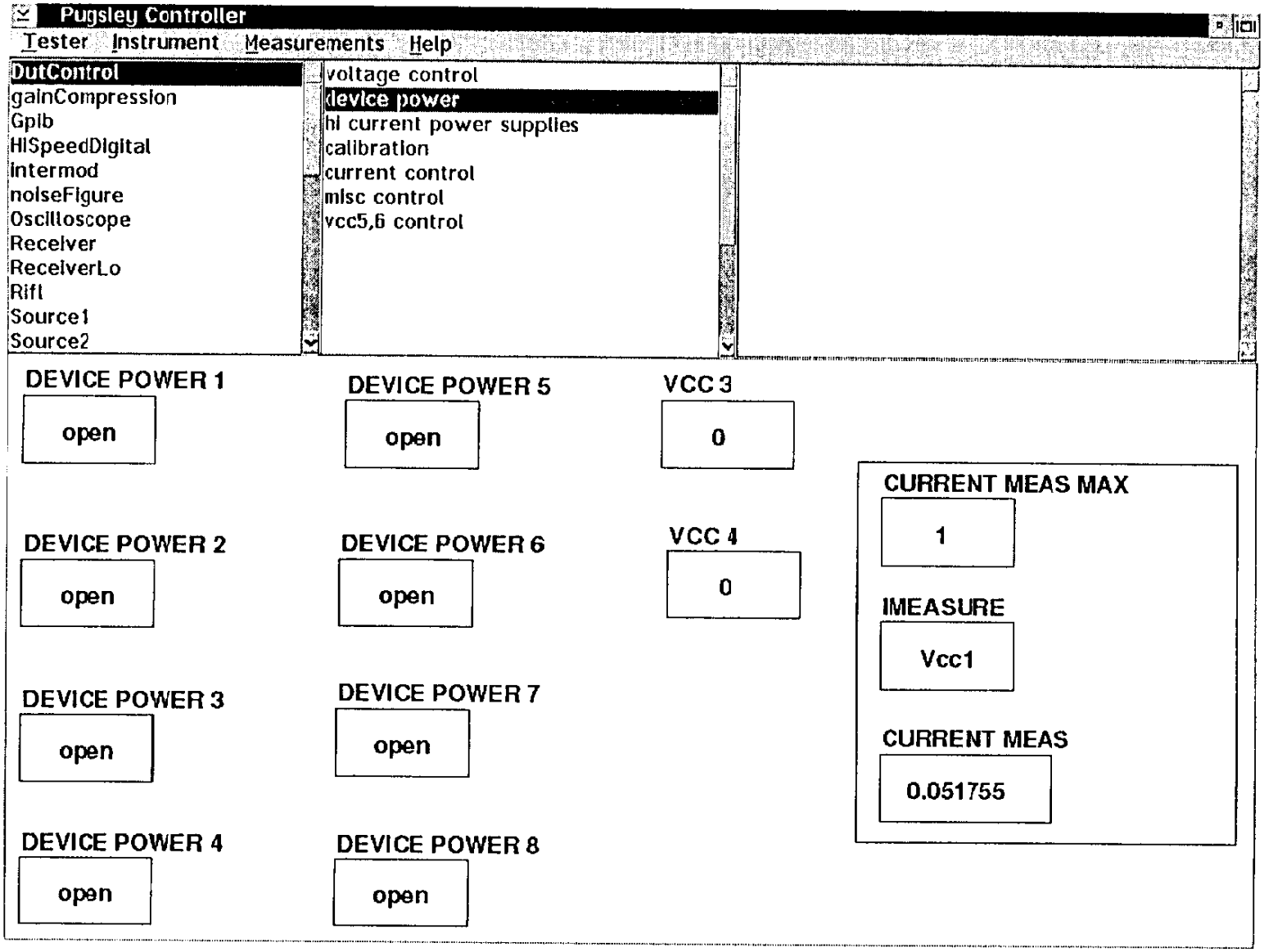
Programmable DUT Controller - New Buttons

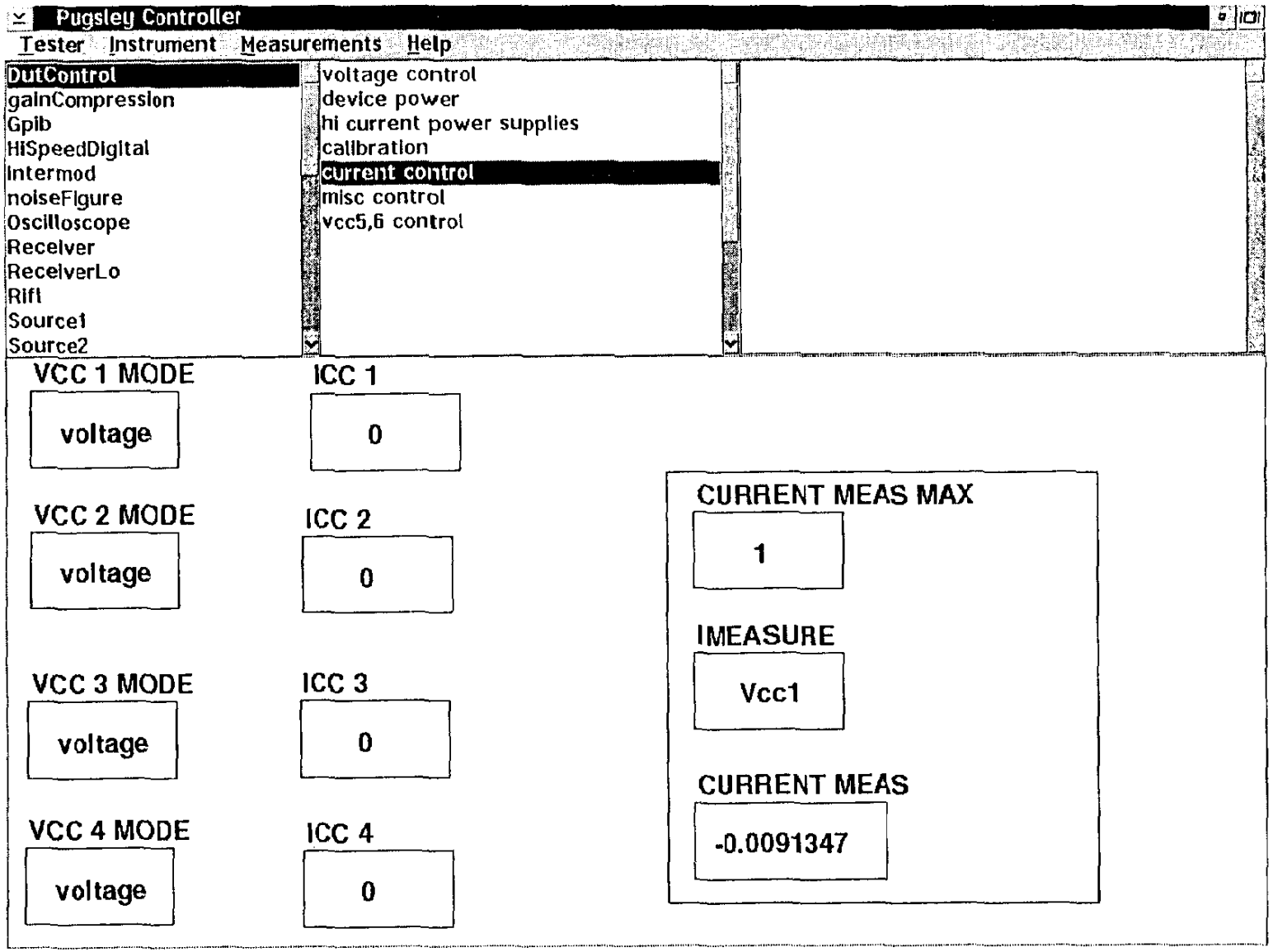
New Improved DUT Controller

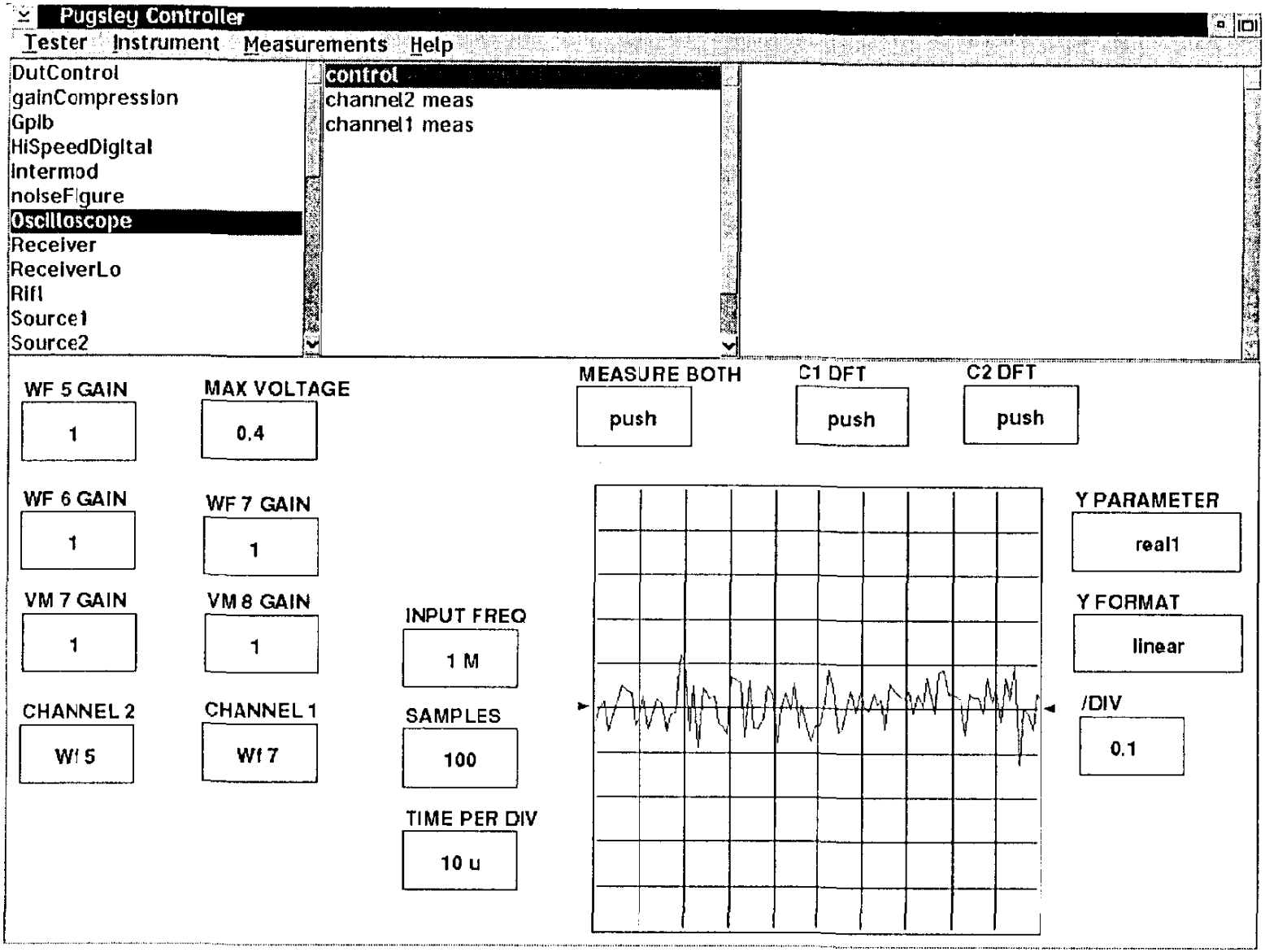
Easier To Use and See

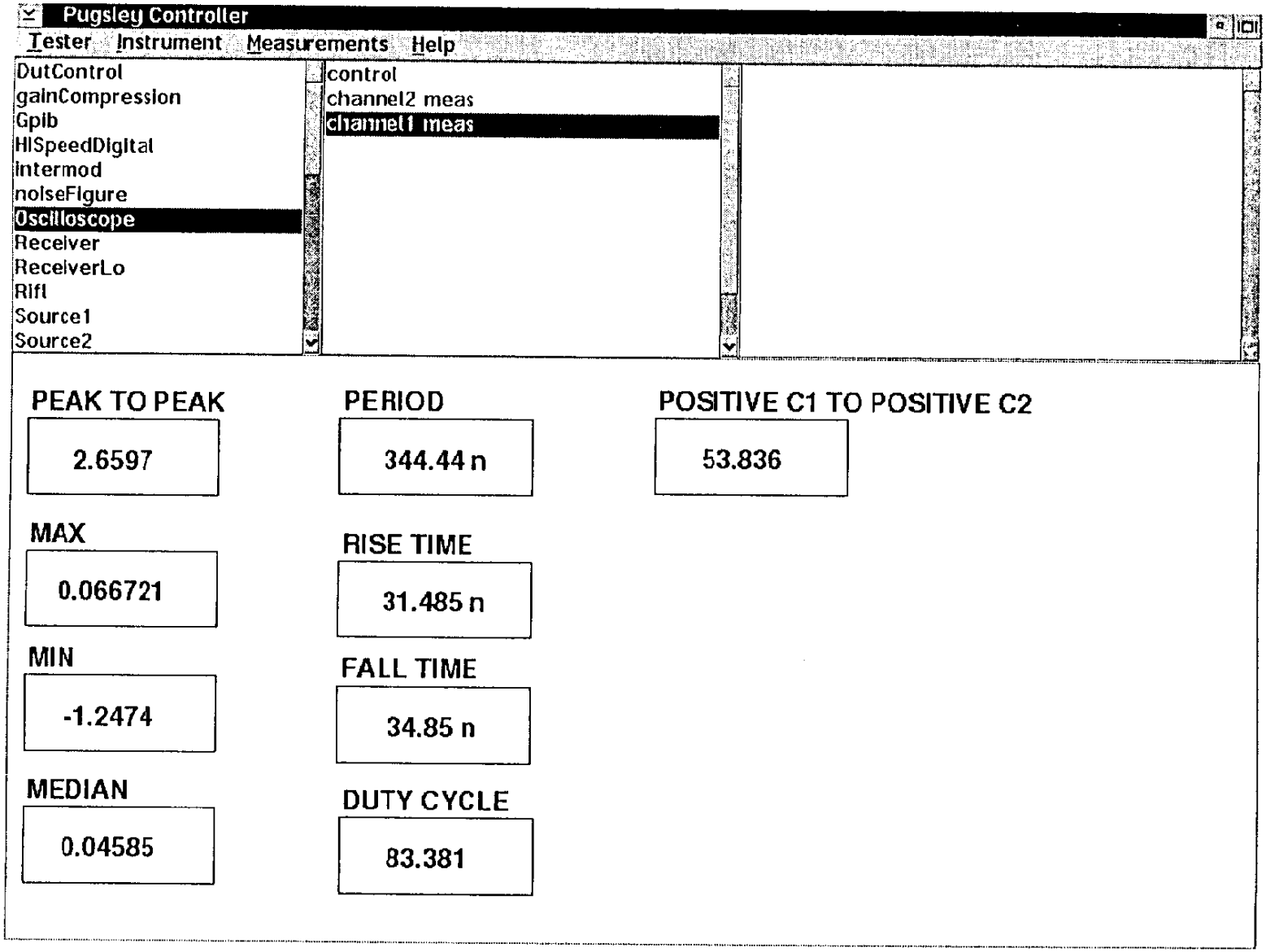

Pugsley Controller
Tester
Instrument
Measurements
Help
DutControl
gainCompression
Gpib
HiSpeedDigital
intermod
noiseFigure
Oscilloscope
Receiver
ReceiverLo
Rifl
Source1
Source2
voltage control
device power
hl current power supplies
calibration
current control
misc control
vcc5,6 control
POWER V 1
0
POWER I 1
0
POWER V 2
0
POWER I 2
0
POWER V 3
0
POWER I 3
0
CURRENT MEAS MAX
1
IMEASURE
Vcc1
CURRENT MEAS
4.9998

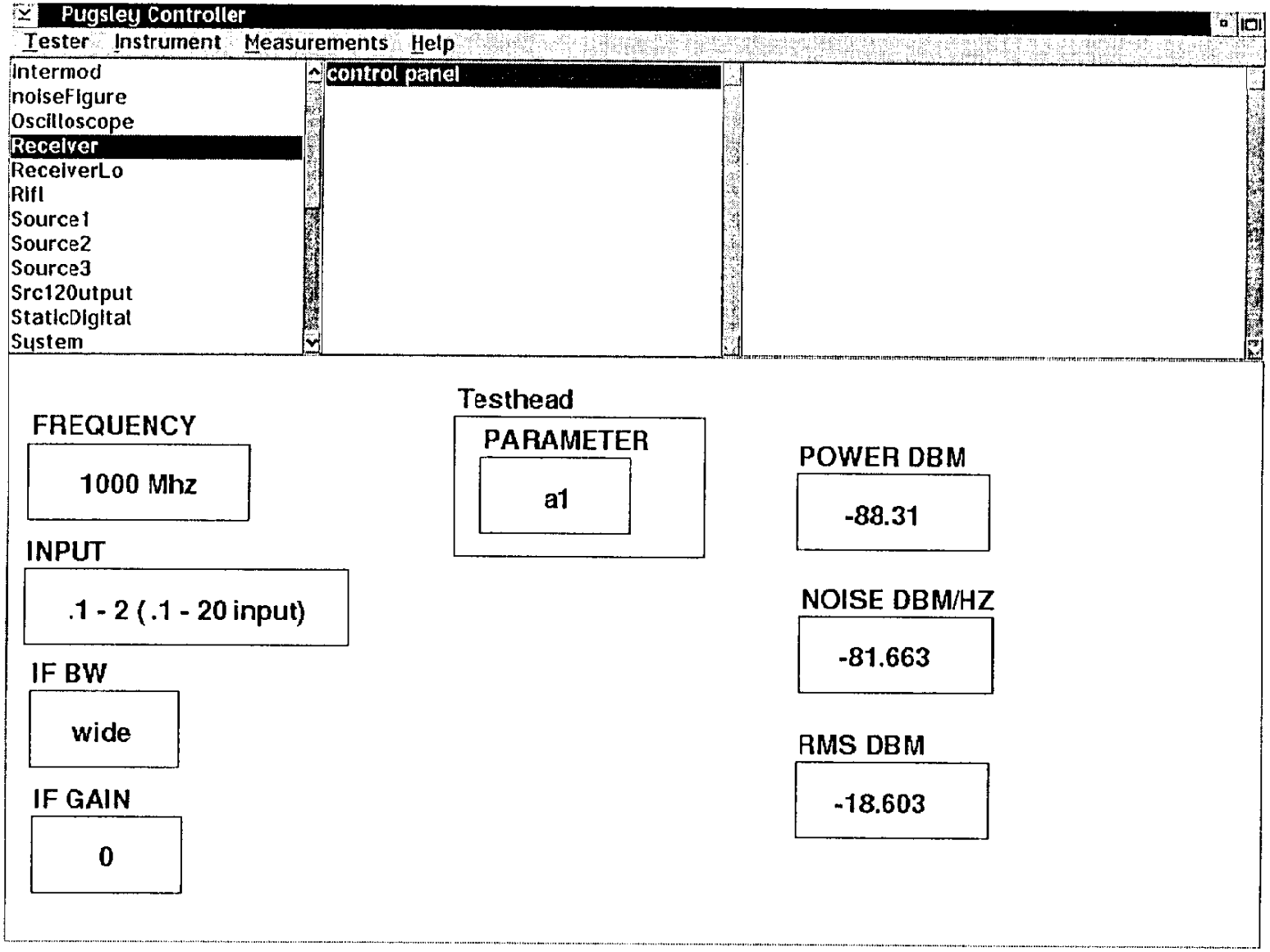

Pugsley Controller
Tester
Instrument
Measurements
Help
DutControl
gainCompression
Gpib
HiSpeedDigital
Intermod
noiseFigure
Oscilloscope
Receiver
ReceiverLo
Rifl
Source1
Source2
voltage control
device power
hi current power supplies
calibration
current control
misc control
vcc5,6 control
VCC 1
0
VCC 2
0
CURRENT MEAS MAX
1
IMEASURE
Vcc1
CURRENT MEAS
4.9998
VOLTAGE MEAS MAX
10
VOLTAGE MEAS MODE
single
VMEASURE
Vm 1
VOLTAGE MEAS
-0.27692


Pugsley Controller
Tester
Instrument
Measurements
Help
DutControl
gainCompression
Gpib
HiSpeedDigital
intermod
noiseFigure
Oscilloscope
Receiver
ReceiverLo
Rift
Source1
Source2
voltage control
device power
hi current power supplies
calibration
current control
misc control
vcc5,6 control
DEVICE POWER 1
open
DEVICE POWER 2
open
DEVICE POWER 3
open
DEVICE POWER 4
open
DEVICE POWER 5
open
DEVICE POWER 6
open
DEVICE POWER 7
open
DEVICE POWER 8
open
VCC 3
0
VCC 4
0
CURRENT MEAS MAX
1
IMEASURE
Vcc1
CURRENT MEAS
0.051755

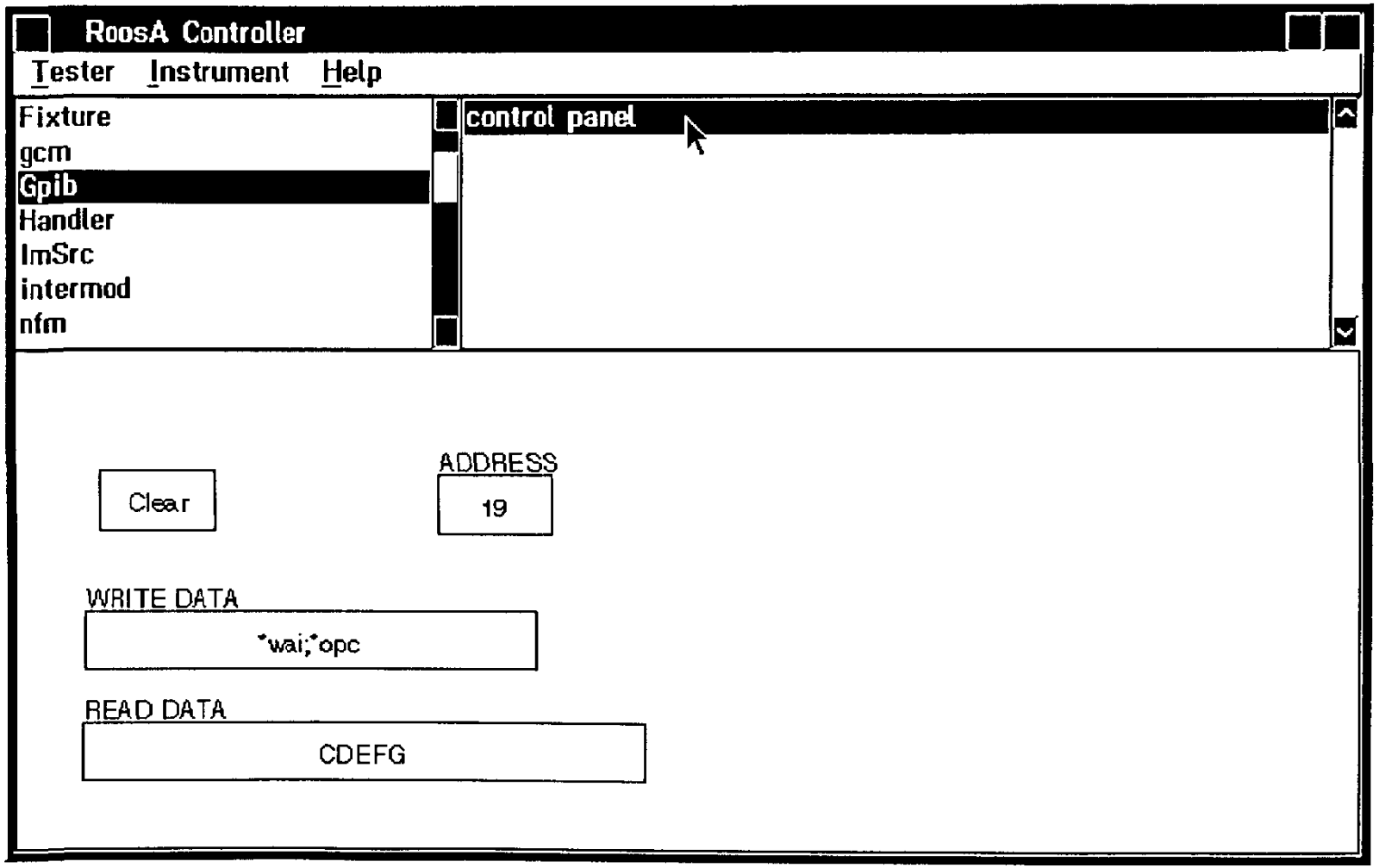

Pugsley Controller
Tester
Instrument
Measurements
Help
DutControl
gainCompression
Gpib
HiSpeedDigital
Intermod
noiseFigure
Oscilloscope
Receiver
ReceiverLo
Rift
Source1
Source2
voltage control
device power
hi current power supplies
calibration
current control
misc control
vcc5,6 control
VCC 1 MODE
voltage
ICC 1
0
VCC 2 MODE
voltage
ICC 2
0
VCC 3 MODE
voltage
ICC 3
0
VCC 4 MODE
voltage
ICC 4
0
CURRENT MEAS MAX
1
IMEASURE
Vcc1
CURRENT MEAS
-0.0091347


Pugsley Controller
Tester
Instrument
Measurements
Help
DutControl
gainCompression
Gpib
HiSpeedDigital
Intermod
noiseFigure
Oscilloscope
Receiver
ReceiverLo
Rifl
Source1
Source2
control
channel2 meas
channel1 meas
WF 5 GAIN
1
MAX VOLTAGE
0.4
MEASURE BOTH
push
C1 DFT
push
C2 DFT
push
WF 6 GAIN
1
WF 7 GAIN
1
Y PARAMETER
real1
VM 7 GAIN
1
VM 8 GAIN
1
INPUT FREQ
1 M
Y FORMAT
linear
CHANNEL 2
Wf 5
CHANNEL 1
Wf 7
SAMPLES
100
/DIV
0.1
TIME PER DIV
10 u

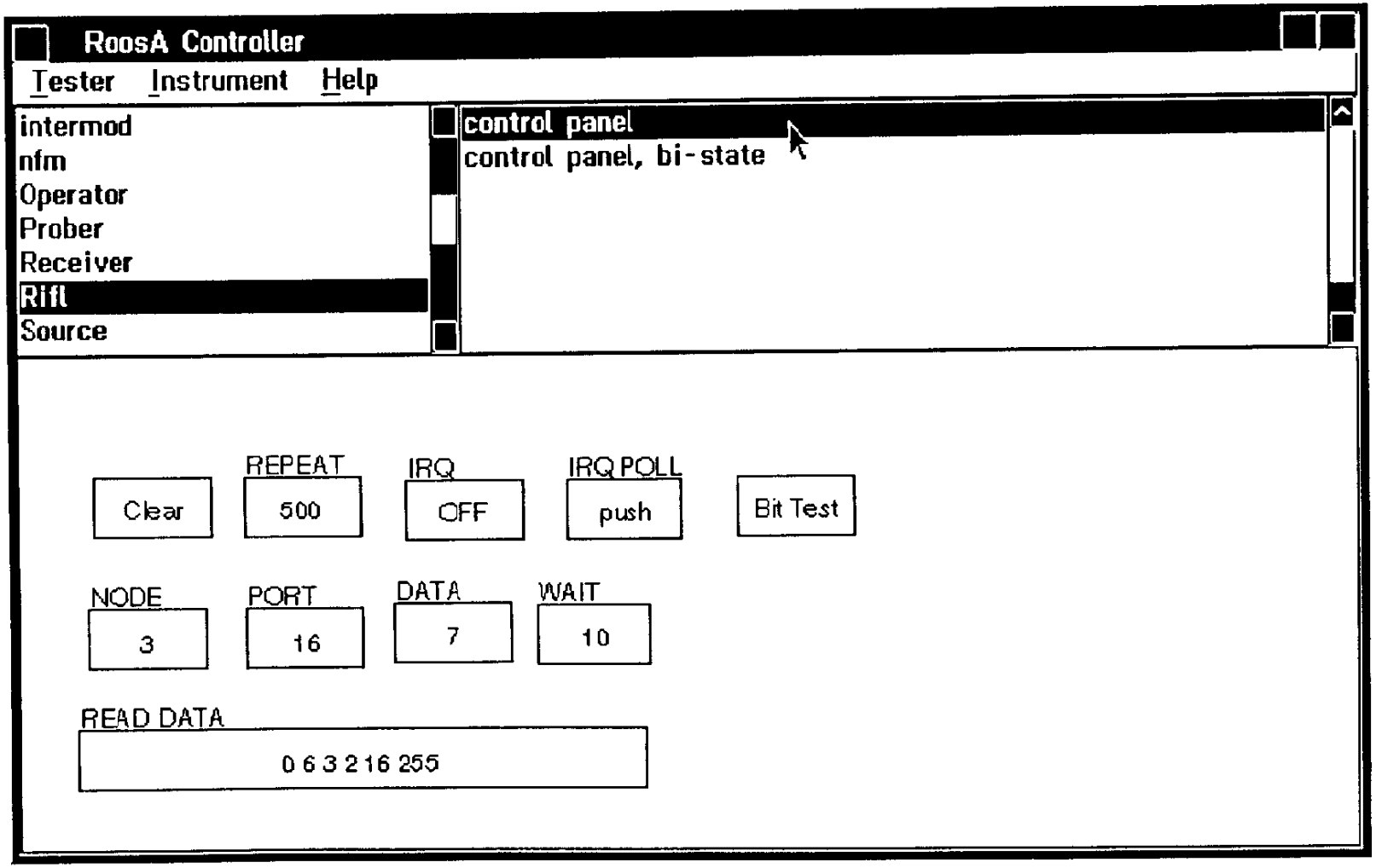

Pugsley Controller
Tester
Instrument
Measurements
Help
DutControl
gainCompression
Gpib
HISpeedDigital
intermod
noiseFigure
Oscilloscope
Receiver
ReceiverLo
Rifl
Source1
Source2
control
channel2 meas
channel1 meas
PEAK TO PEAK
2.6597
PERIOD
344.44 n
POSITIVE C1 TO POSITIVE C2
53.836
MAX
0.066721
RISE TIME
31.485 n
MIN
-1.2474
FALL TIME
34.85 n
MEDIAN
0.04585
DUTY CYCLE
83.381


Pugsley Controller
Tester
Instrument
Measurements
Help
Intermod
noiseFigure
Oscilloscope
Receiver
ReceiverLo
Rifl
Source1
Source2
Source3
Src120utput
StaticDigital
System
control panel
Testhead
PARAMETER
a1
FREQUENCY
1000 Mhz
INPUT
.1 - 2 (.1 - 20 input)
IF BW
wide
IF GAIN
0
POWER DBM
-88.31
NOISE DBM/HZ
-81.663
RMS DBM
-18.603

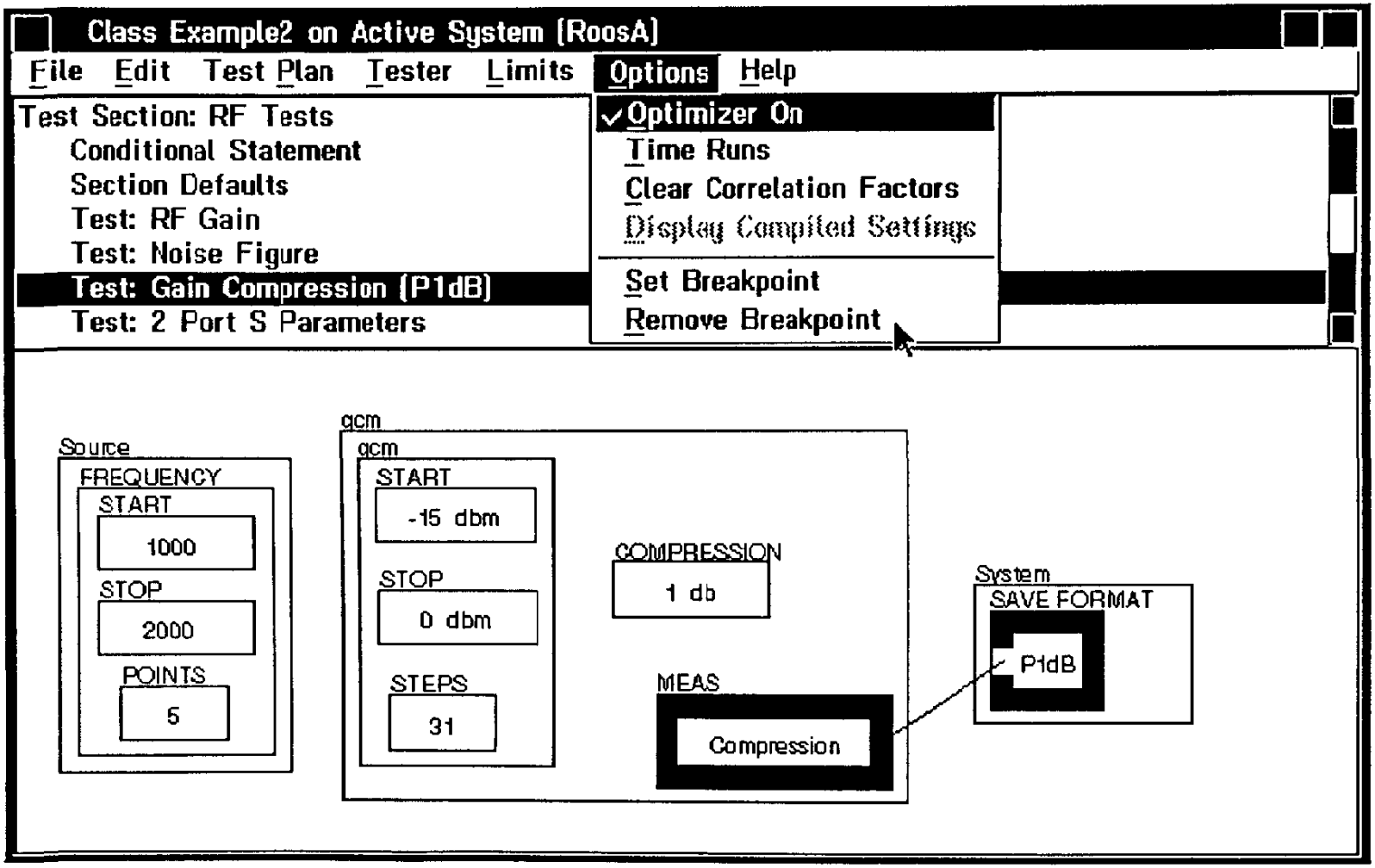
Sending GPIB Commands from Control Panel



Manual Control of RIFL Interface



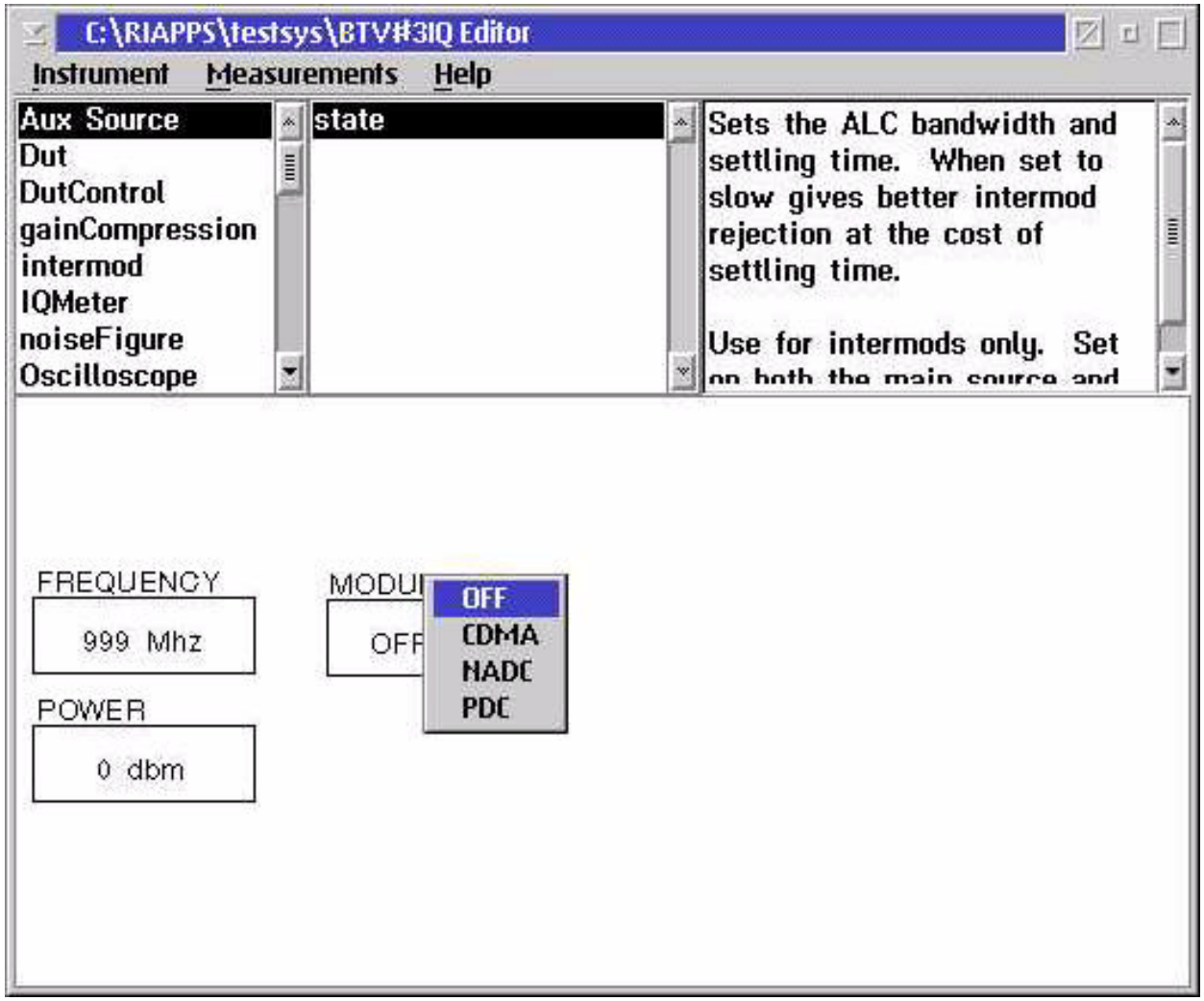
Removing a Break Point



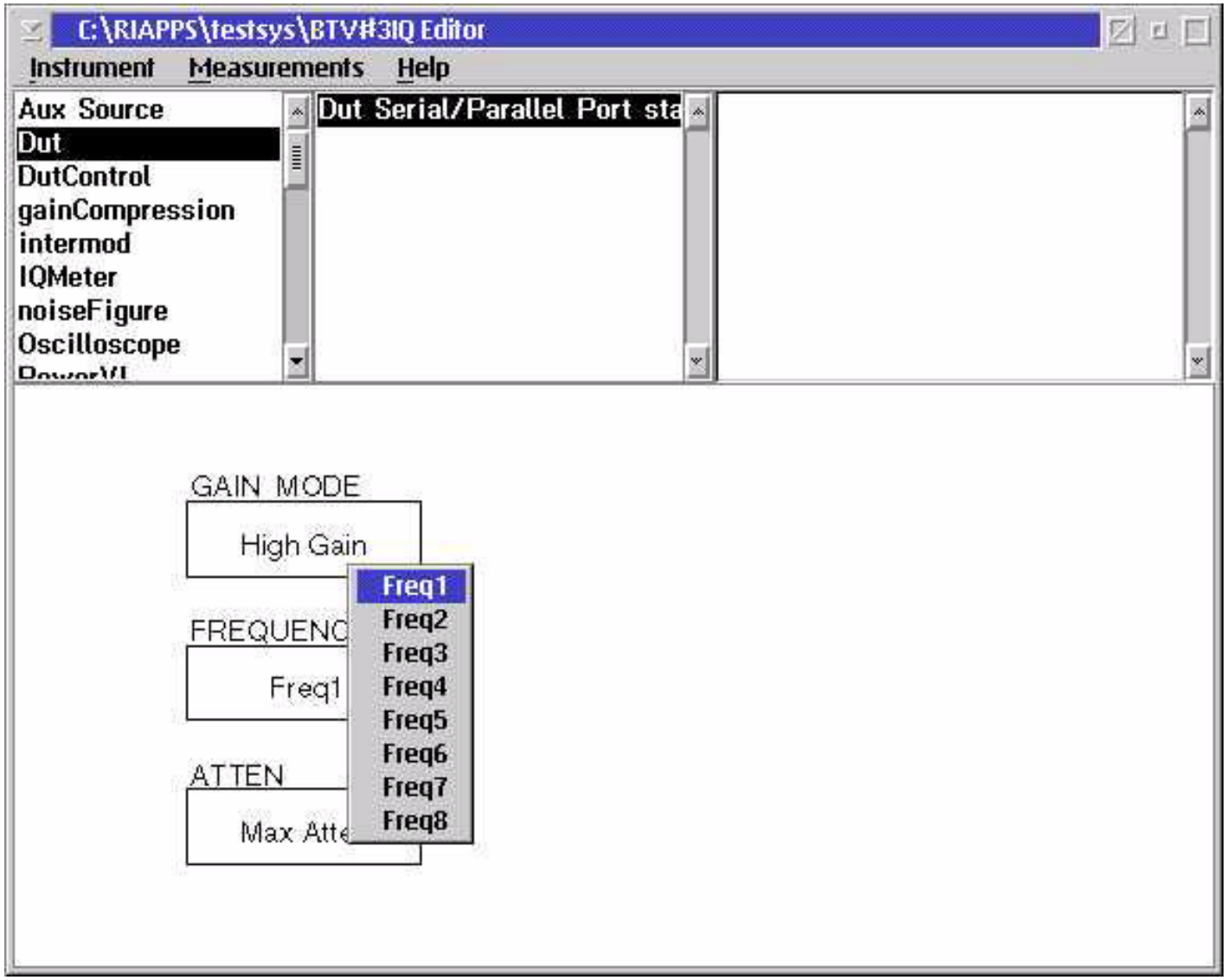
Tester Viewer Window

- Buttons are Organized by Instrument and Button Type
- Each Instrument is listed in the Tester Viewer Window
- The Setting shown for each Button is its idle State
- Help Text is provided for each Button (F1 or Show Note)
- Software Reference for Each Button in Section 5
- Buttons also Provided for DUT, Device Interface & Fixture
- System Buttons include: Calculations, Data Saves, Operator Prompts, Output vs. Input Freq & Flow control

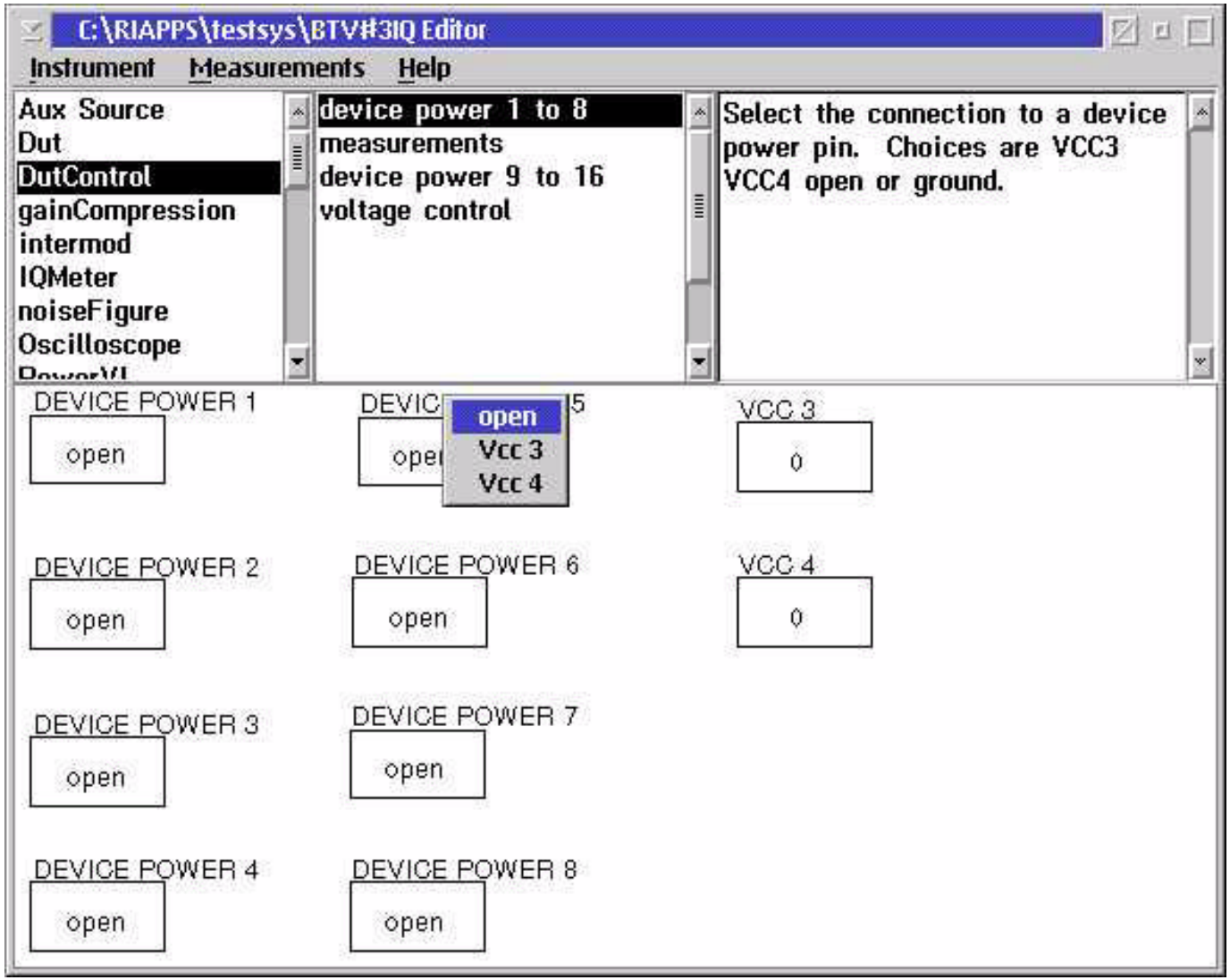
Aux SRC (Digital Modulation)



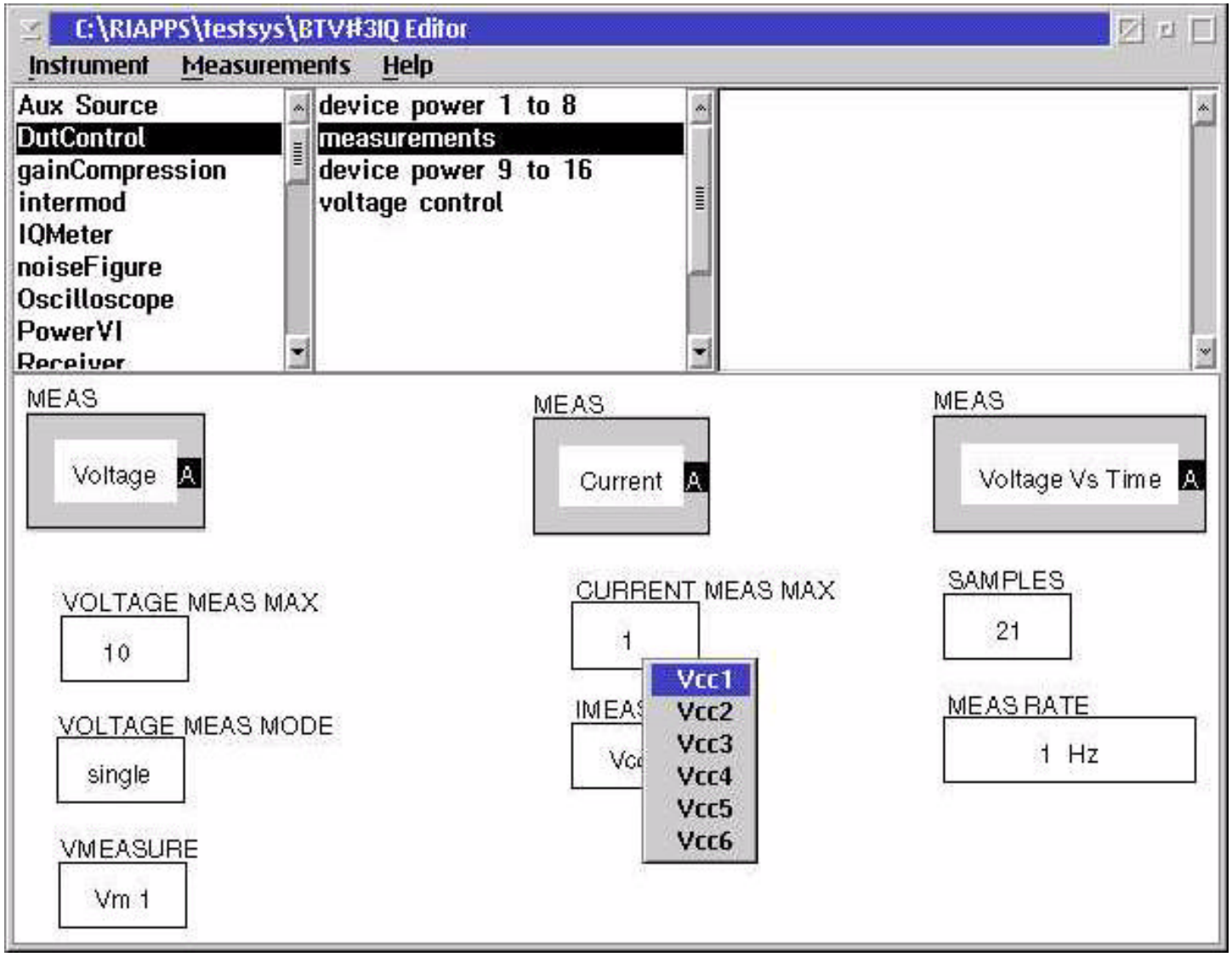
DUT


C:\RIAPPS\testsys\BTV#3IQ Editor
Instrument
Measurements
Help
Aux Source
Dut
DutControl
gainCompression
intermod
IQMeter
noiseFigure
Oscilloscope
Dut Serial/Parallel Port sta
GAIN MODE
High Gain
FREQUENC
Freq1
ATTEN
Max Atte
Freq1
Freq2
Freq3
Freq4
Freq5
Freq6
Freq7
Freq8

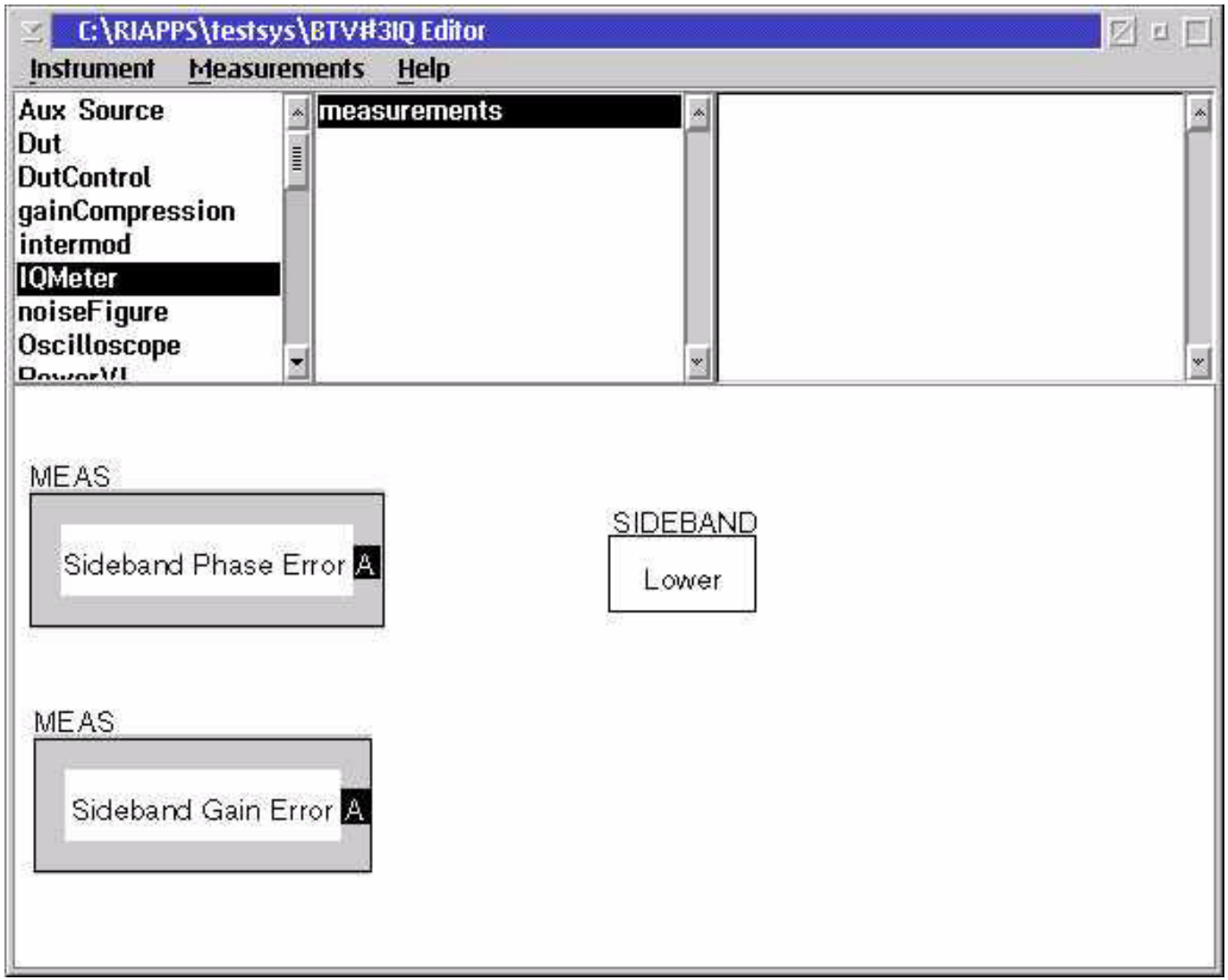
DUT Control; DP Lines



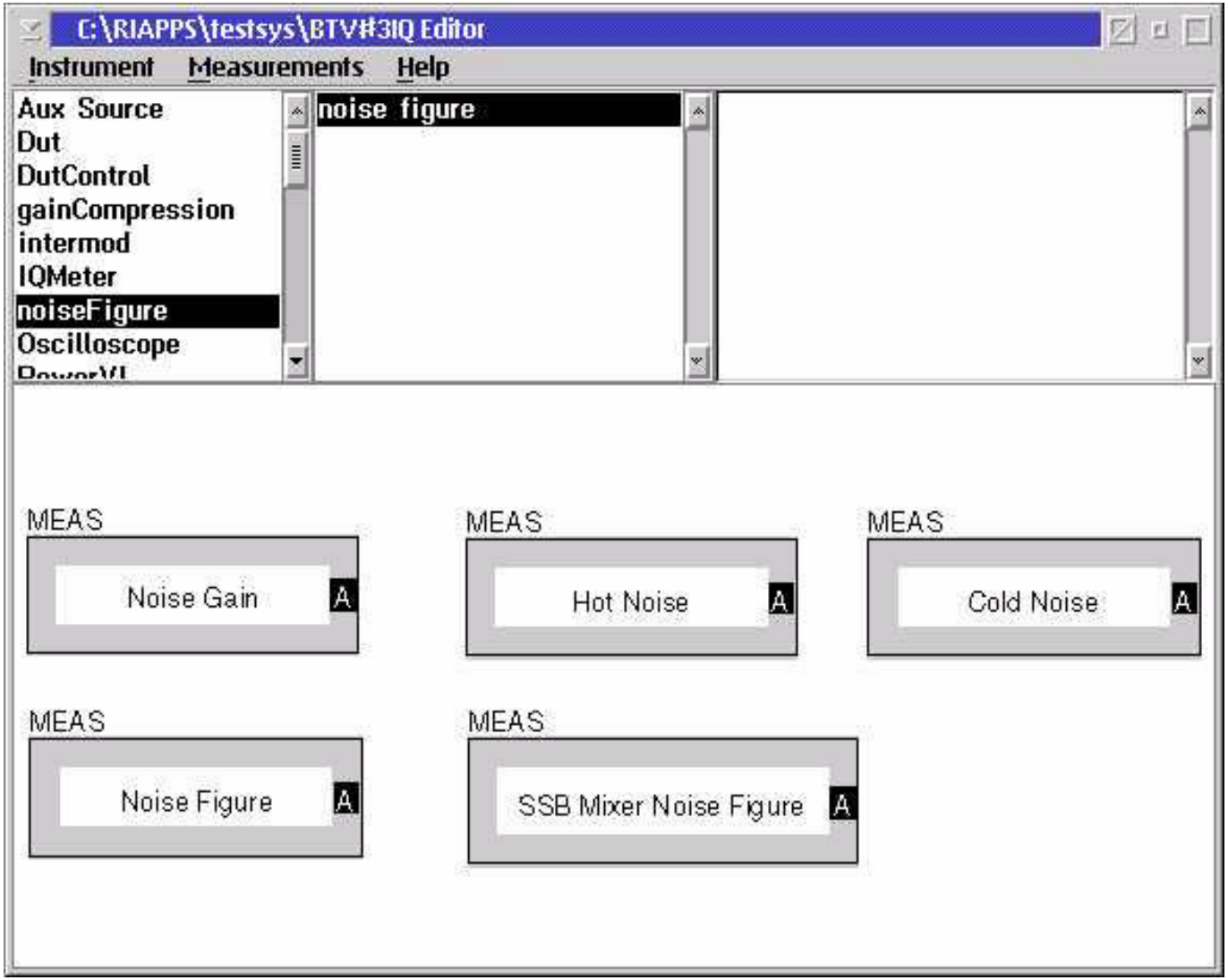
DUT Control; Measurement



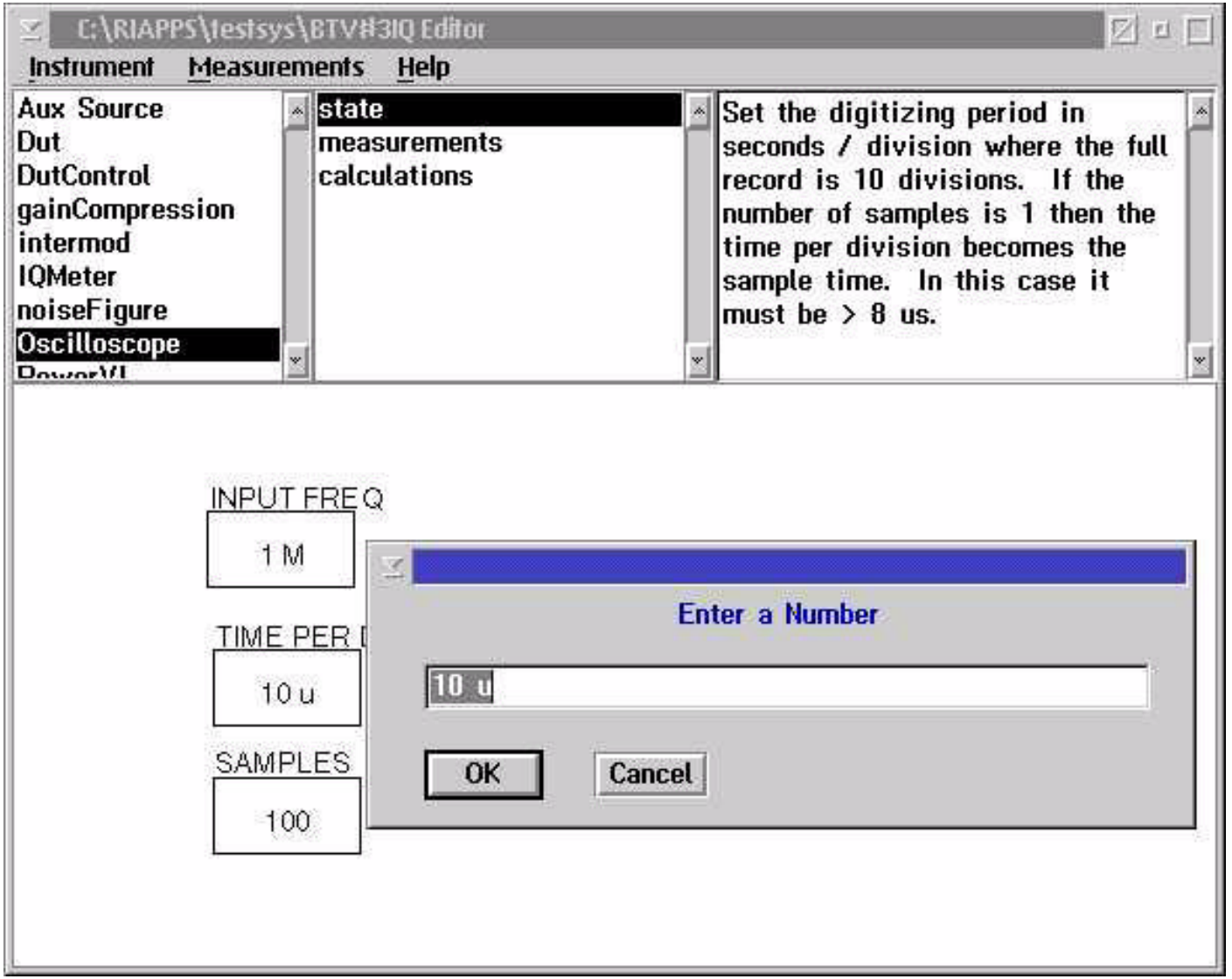
IQ Meter (SSB Modulator)



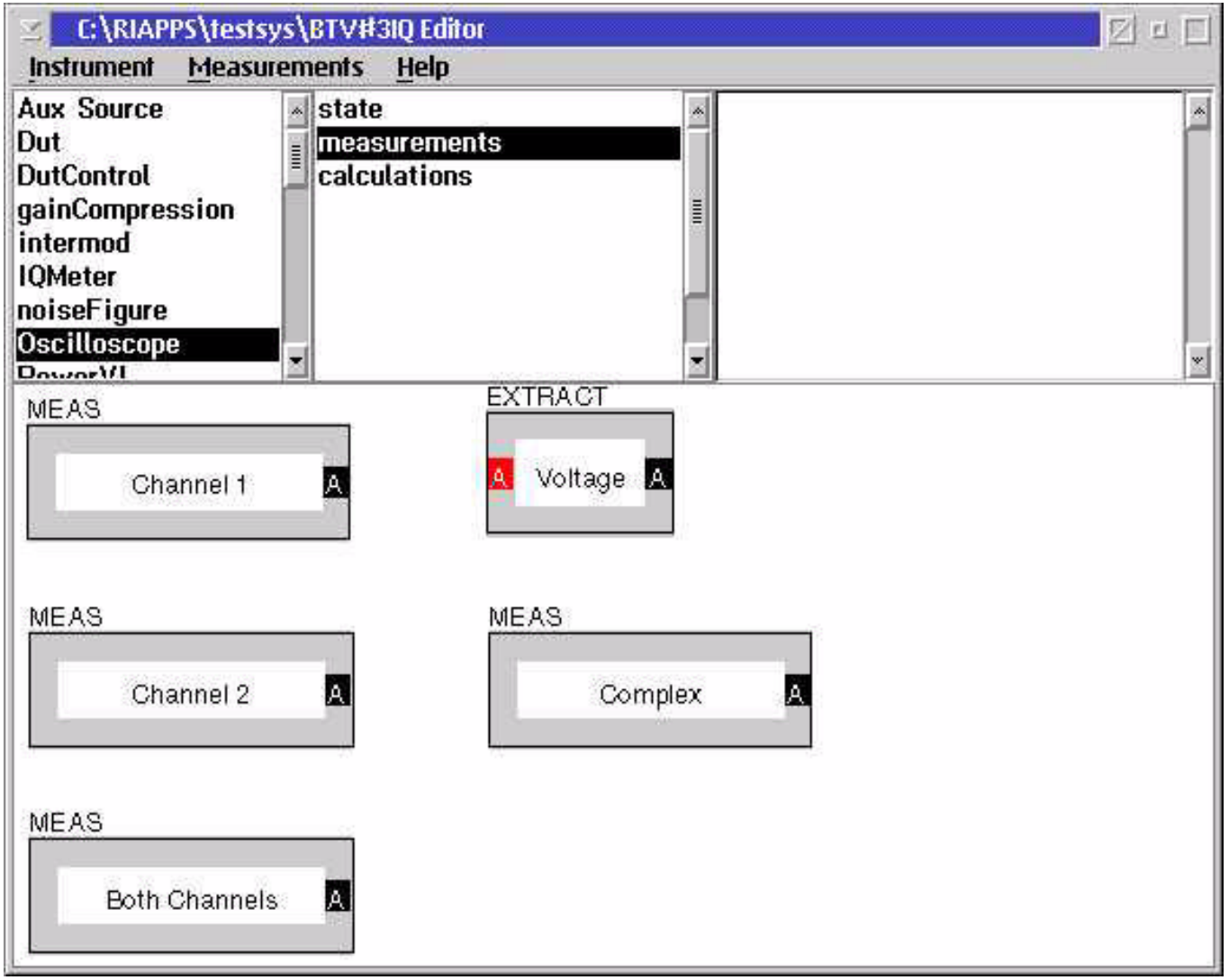
Noise Figure



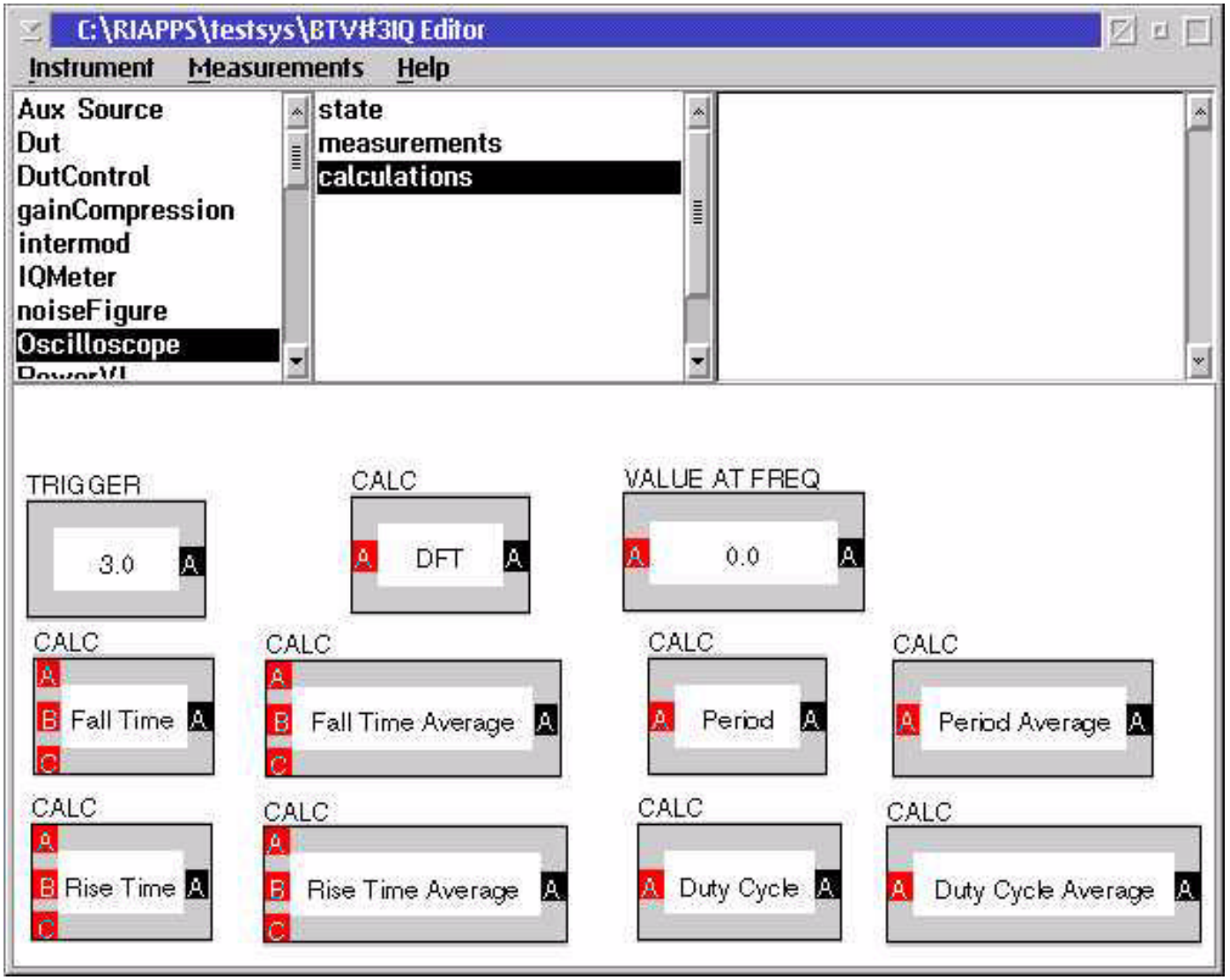
Oscilloscope; State



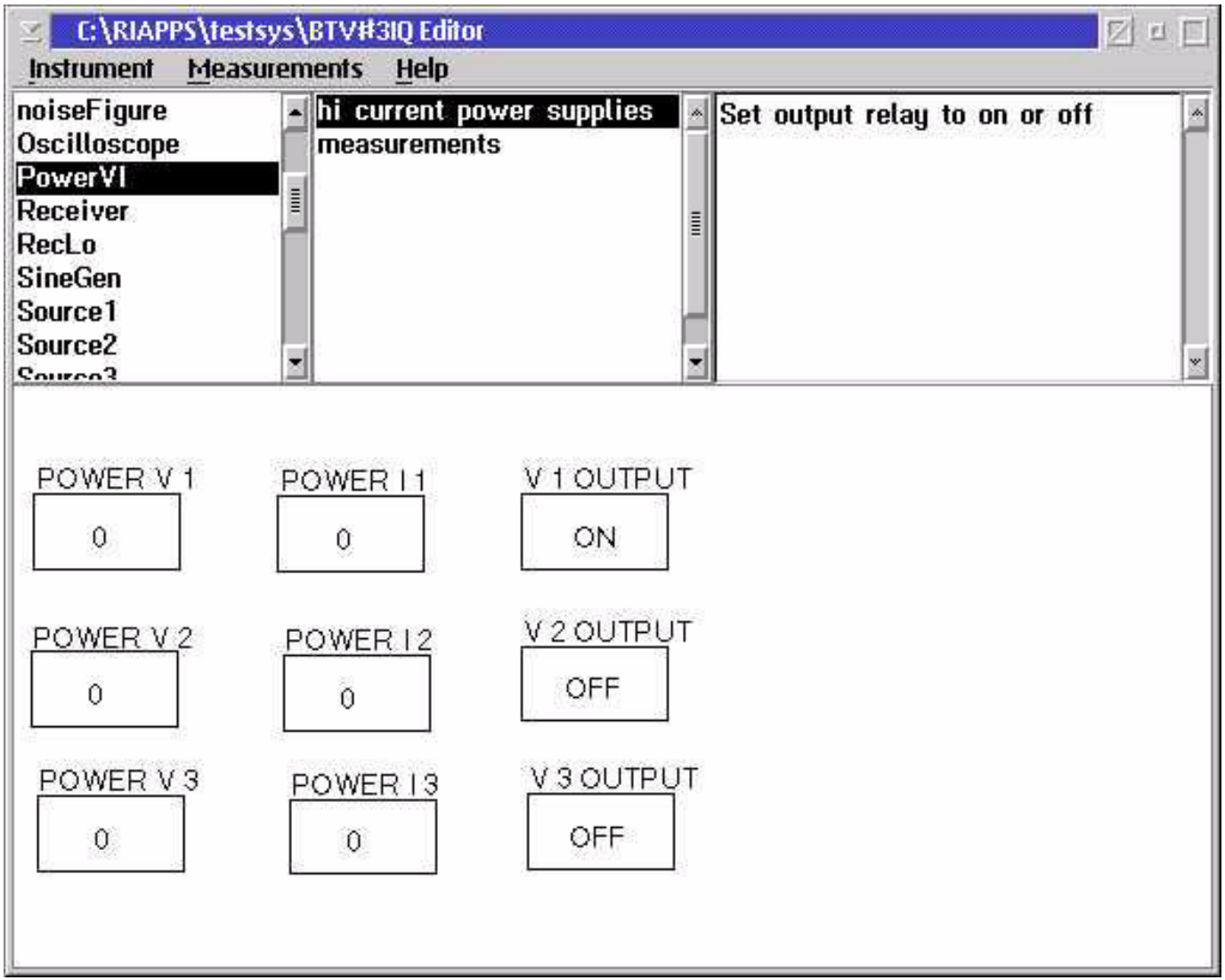
Oscilloscope; Measurement



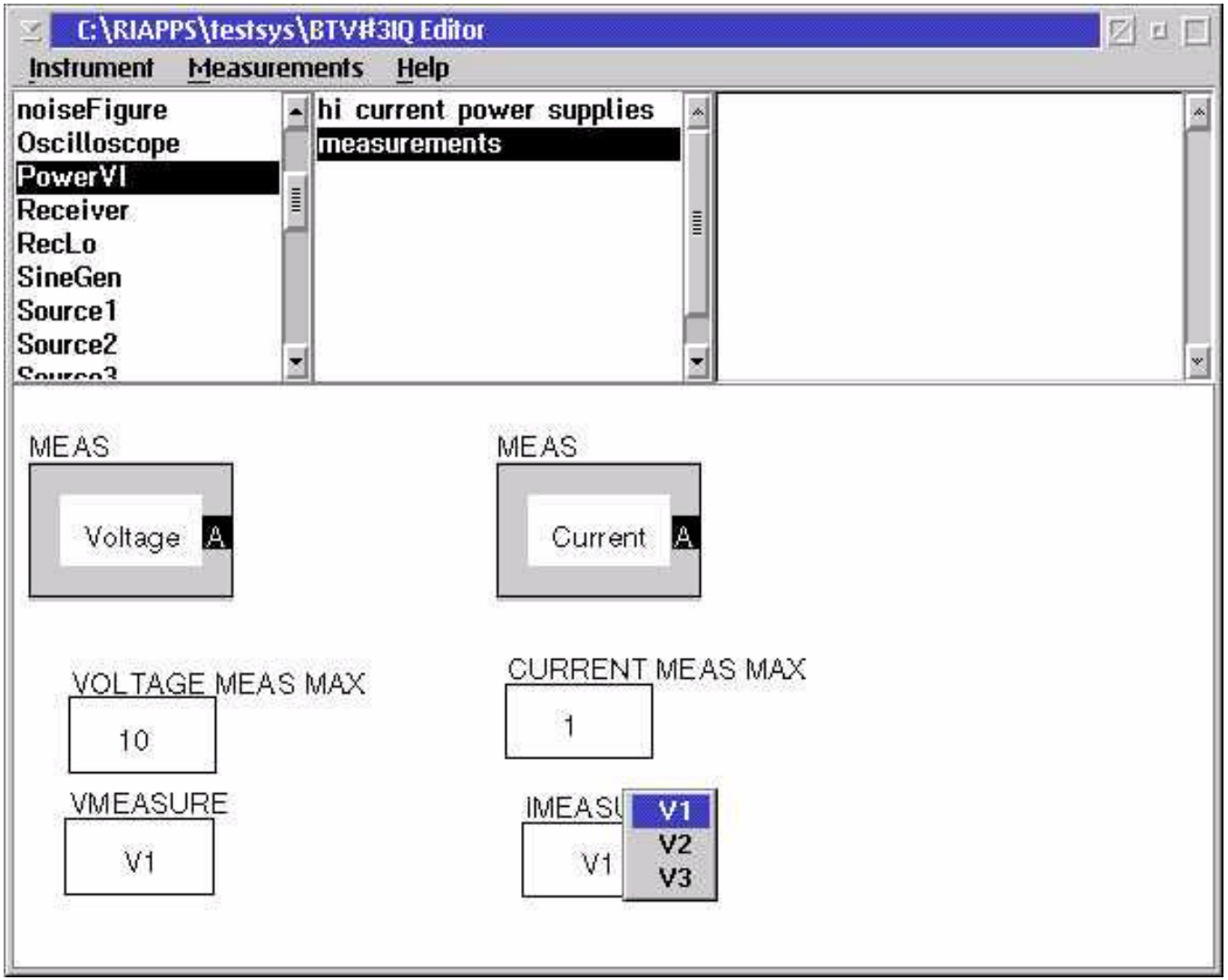
Oscilloscope; Calculations



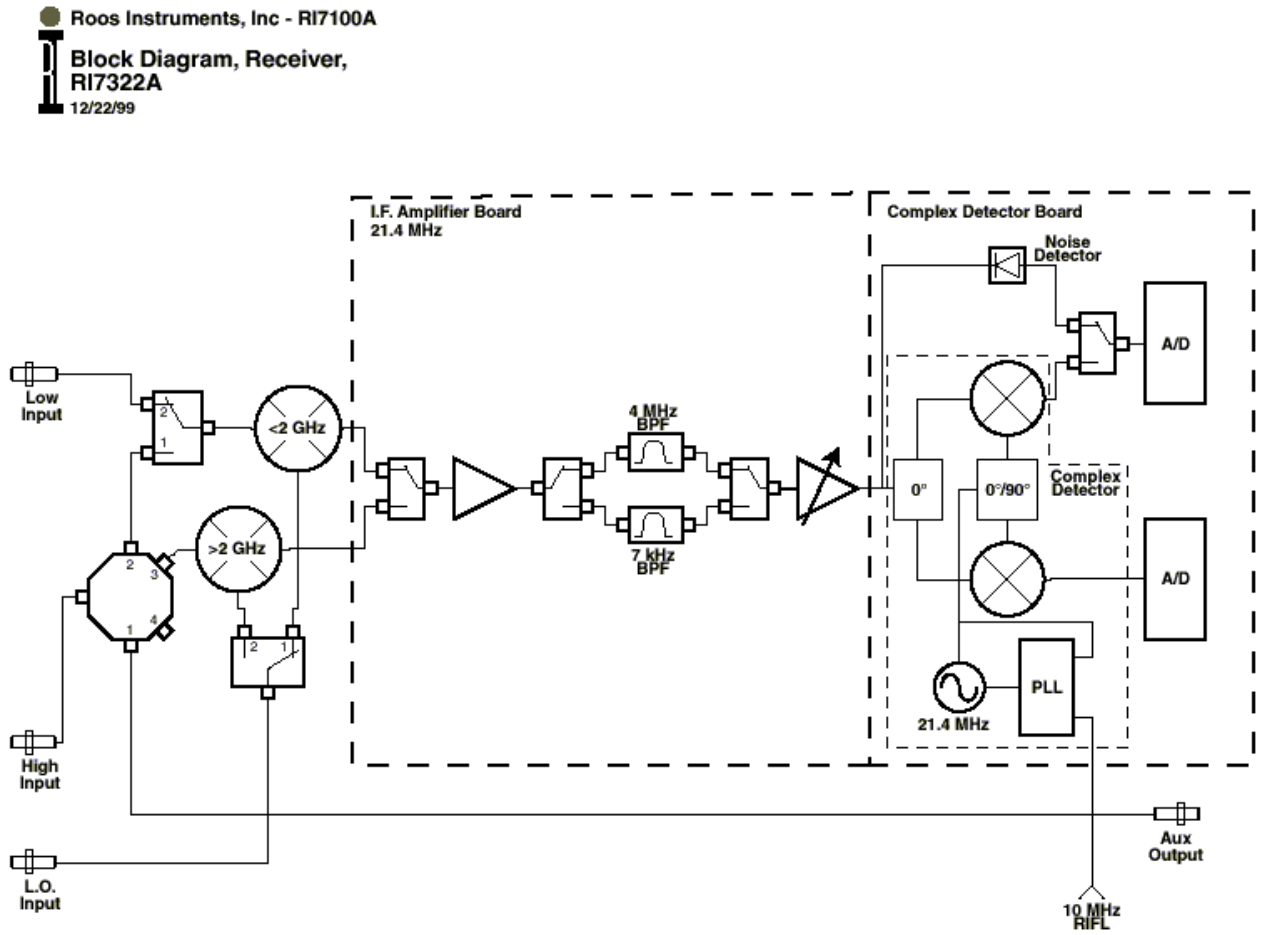
Power VI (Hi-Current Supplies)



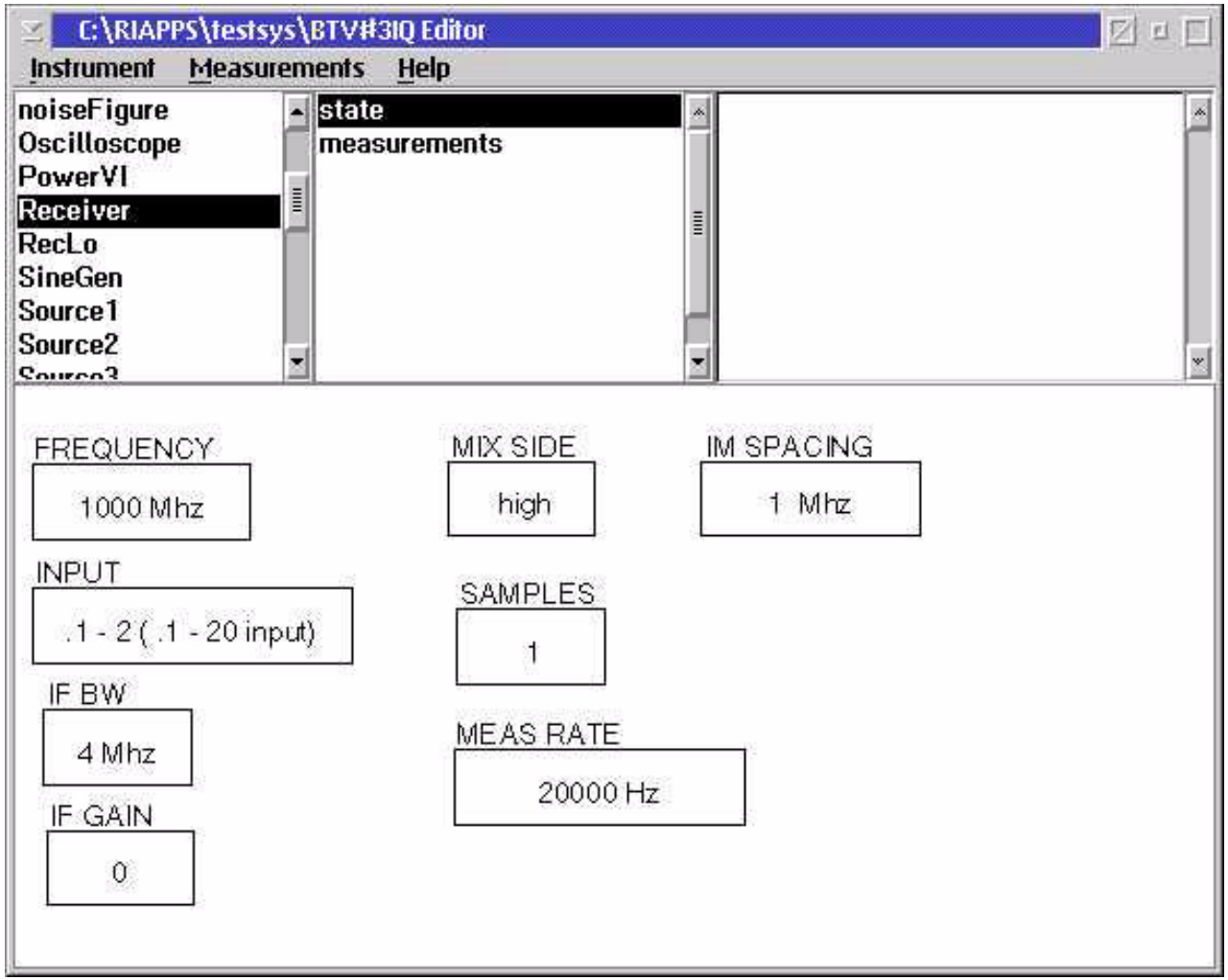
Power VI; Measurement



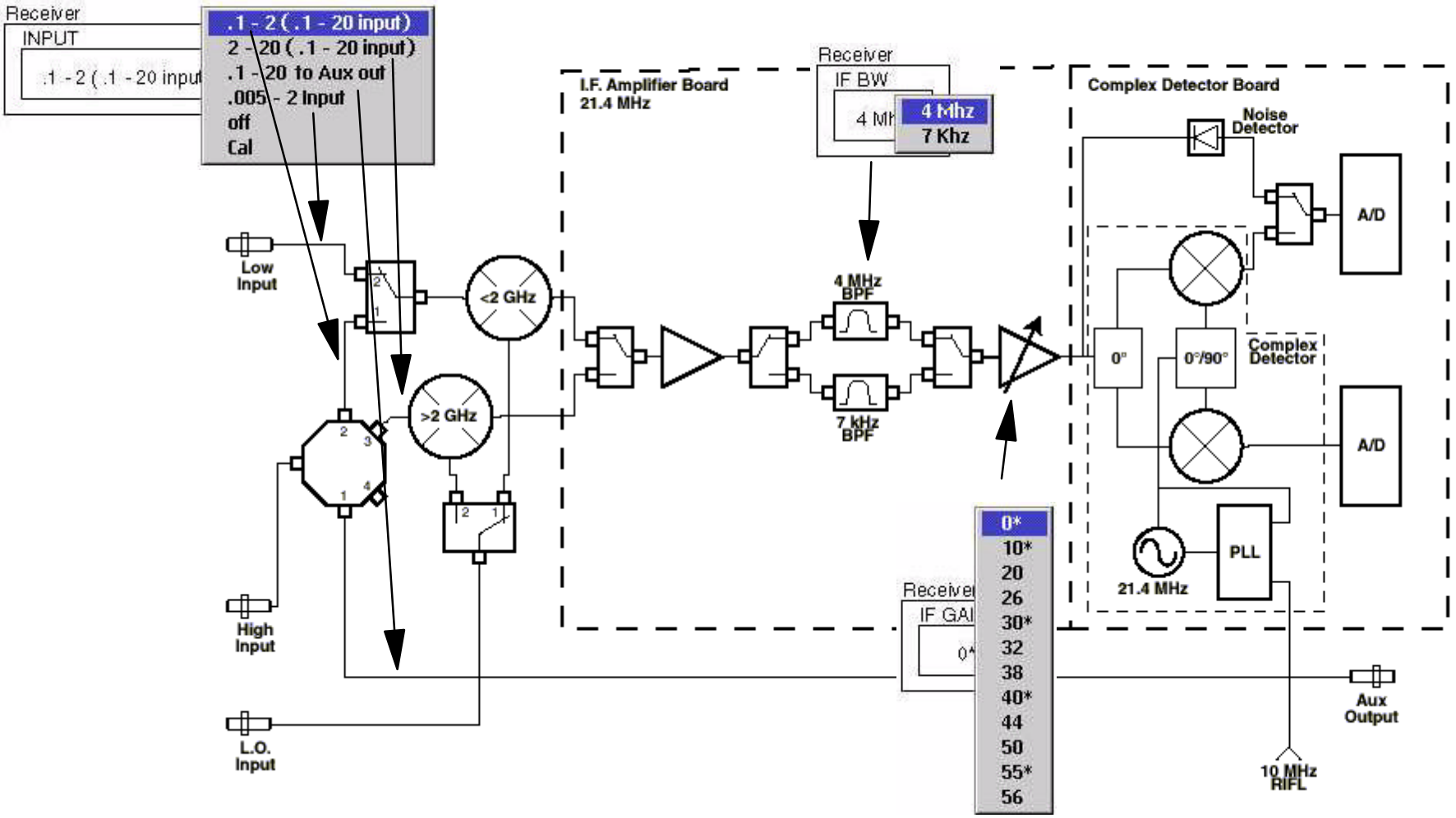
Receiver Block Diagram



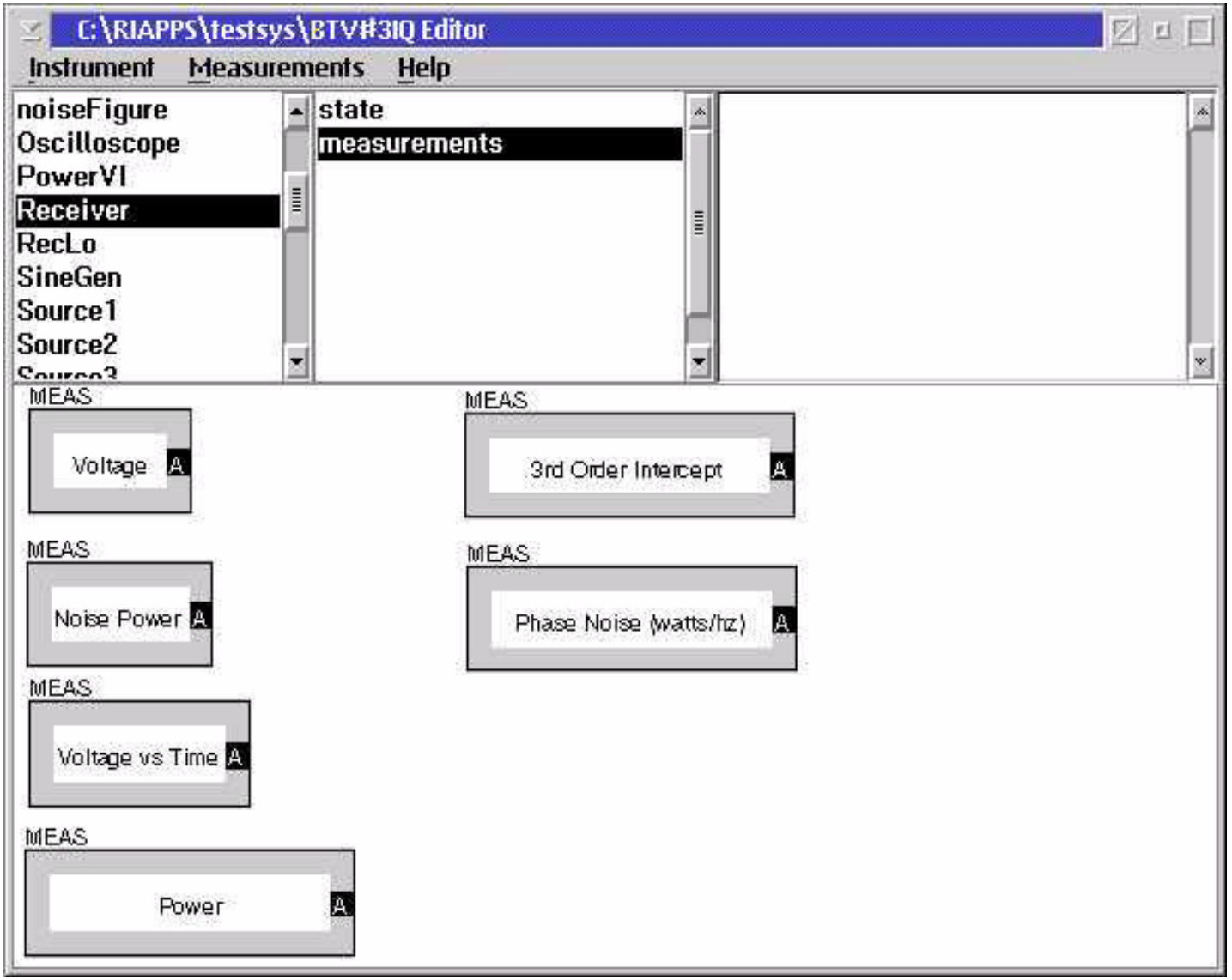
Receiver; State



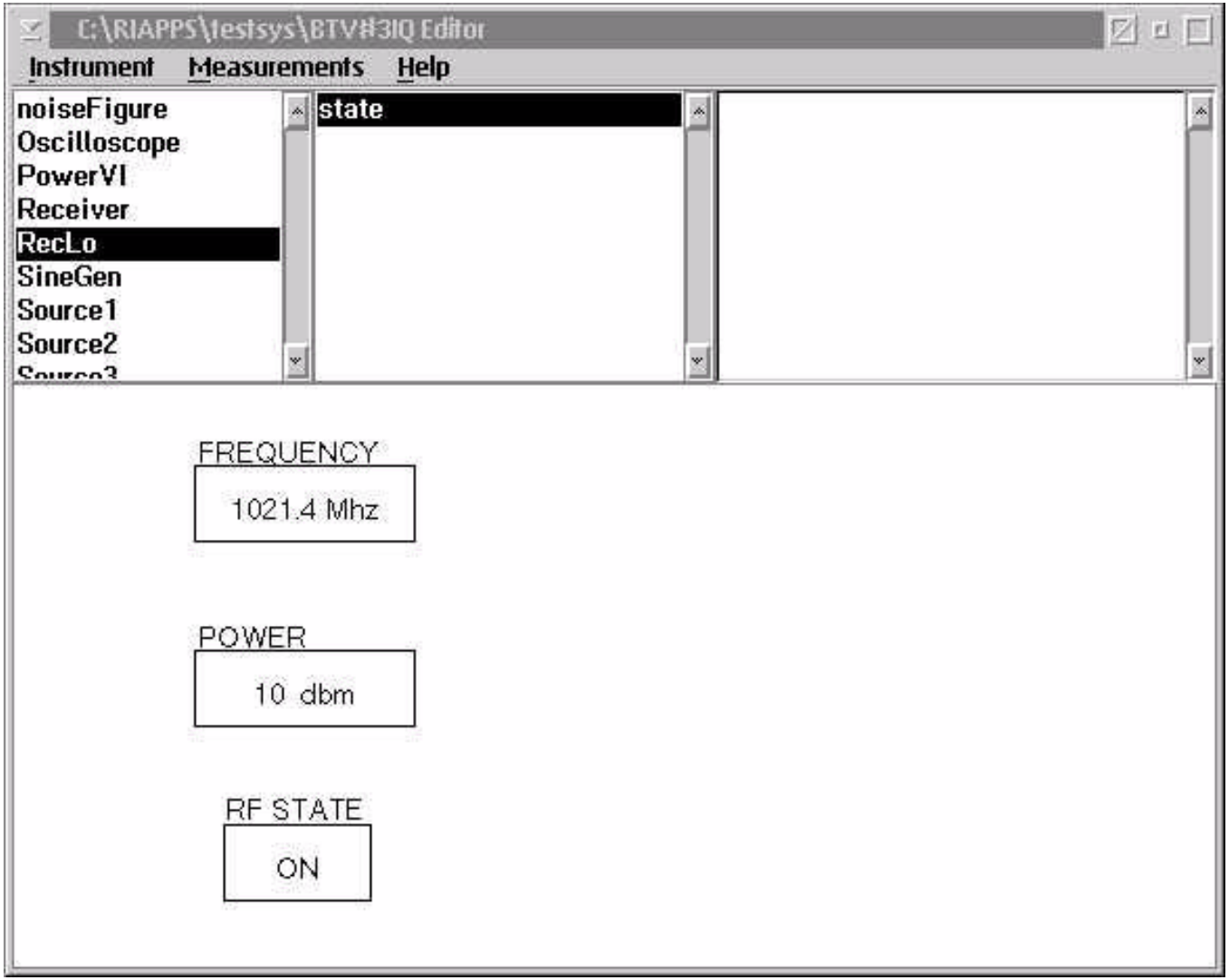
Receiver Control



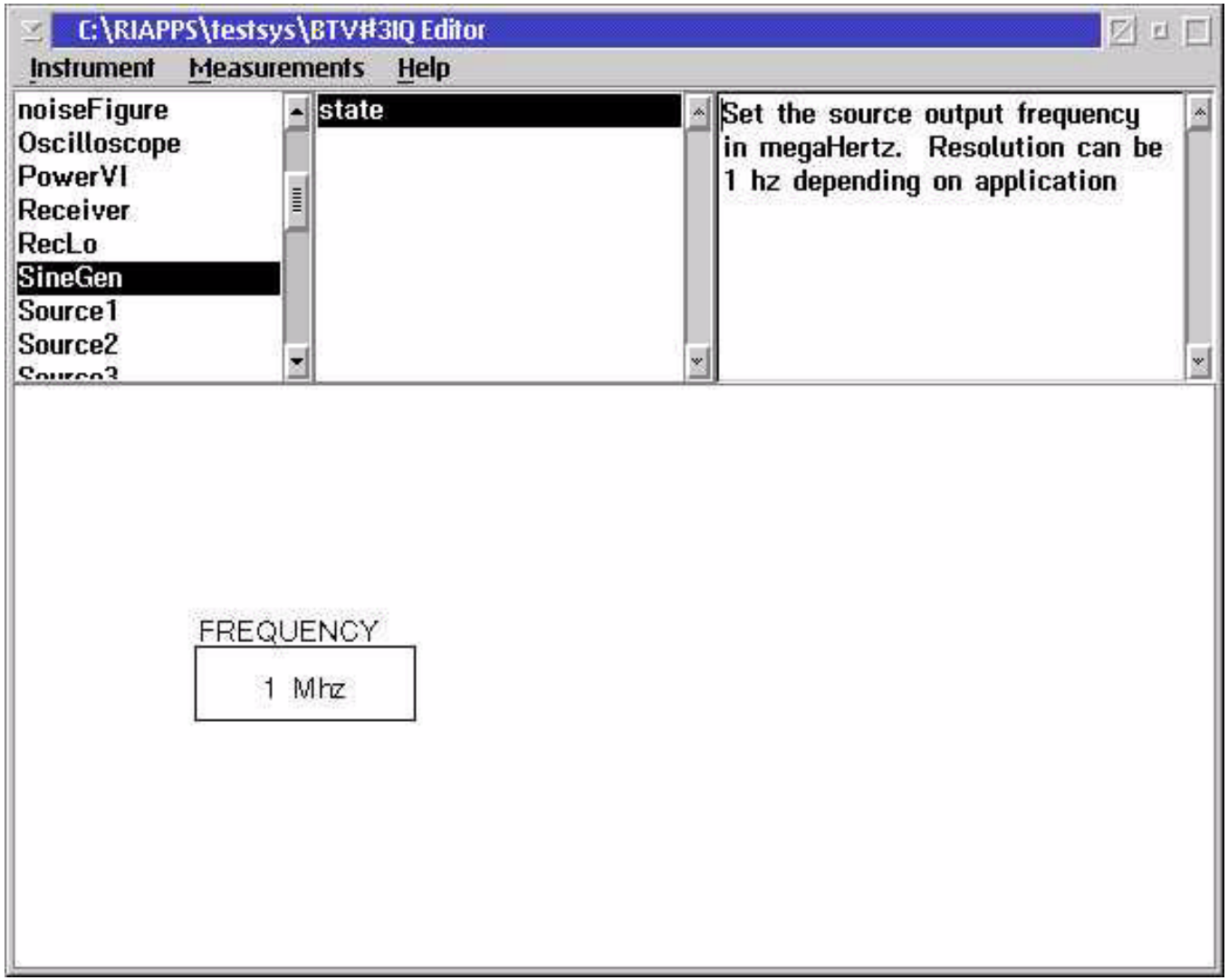
Receiver; Measurement



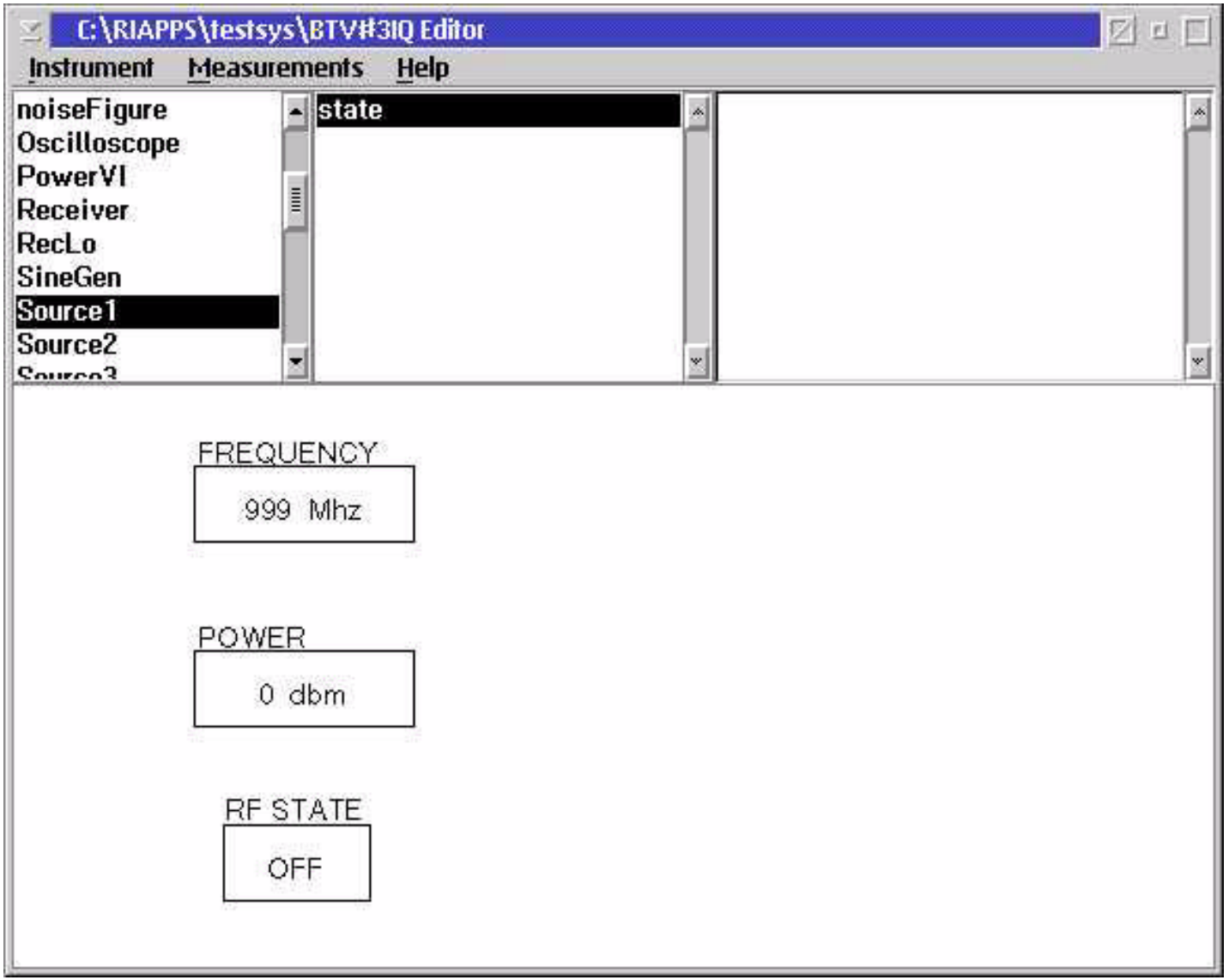
Receiver LO (System Oscillator)



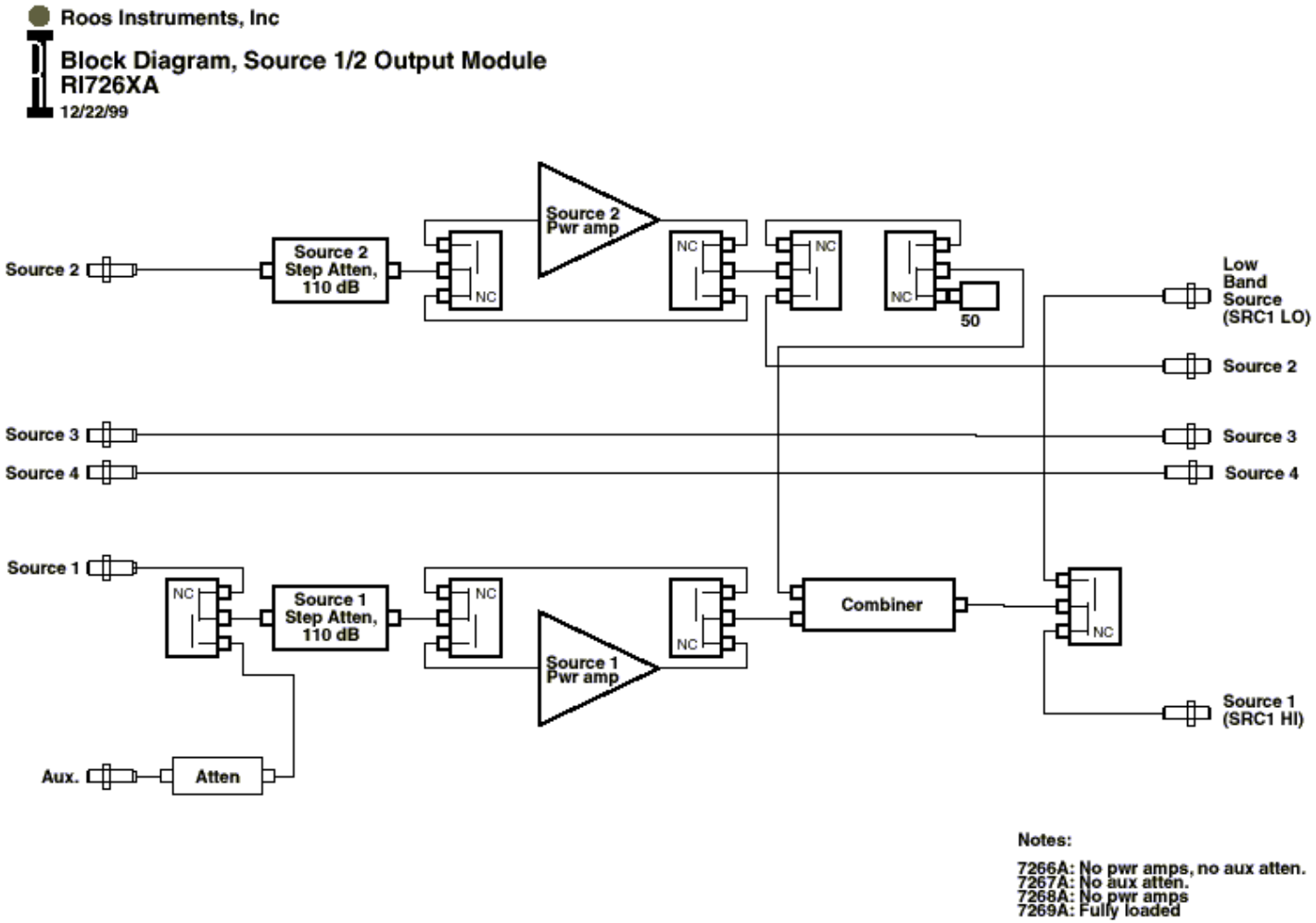
SineGen (Low Phase Noise)



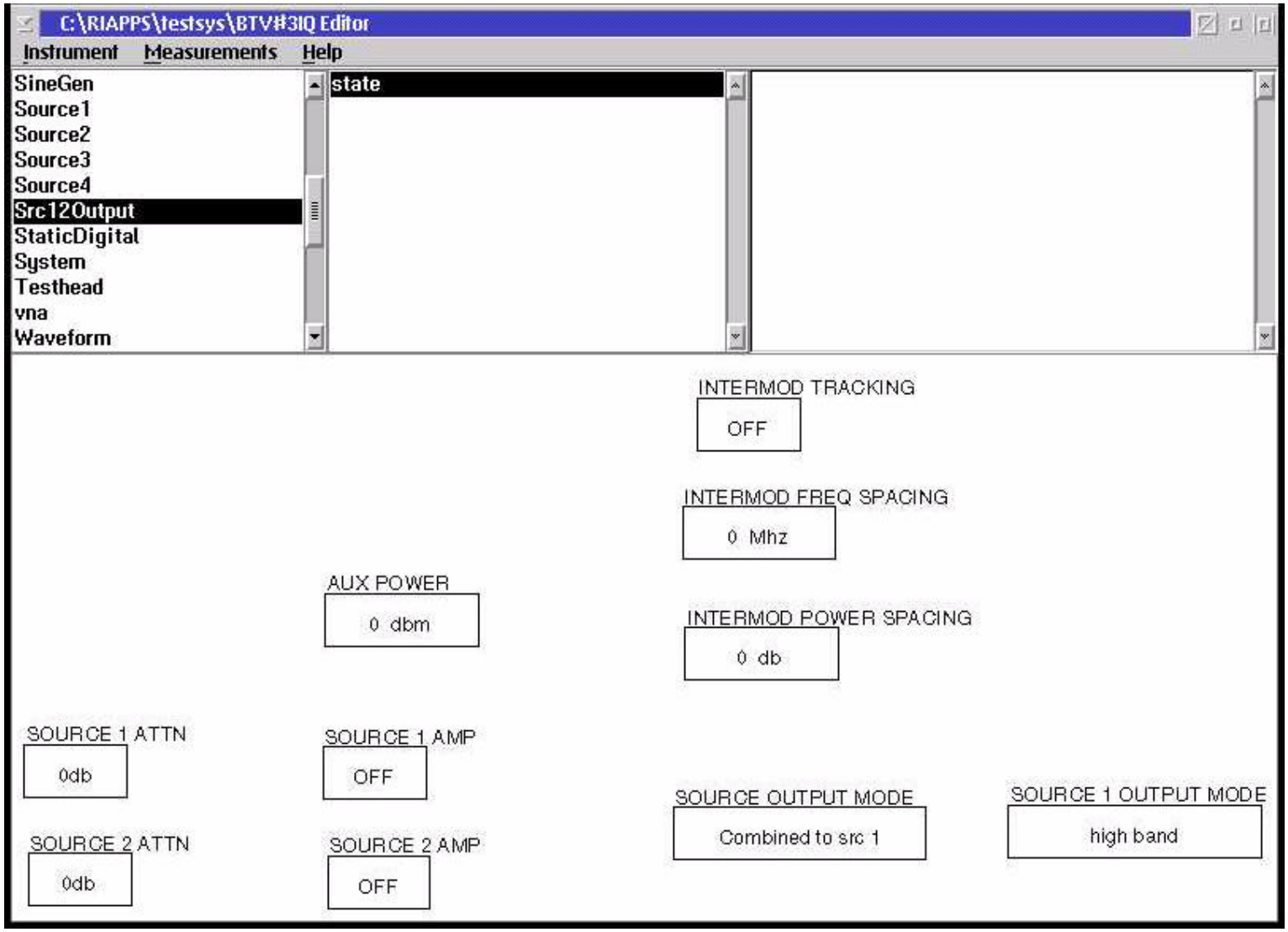
Sources 1, 2, 3, and 4



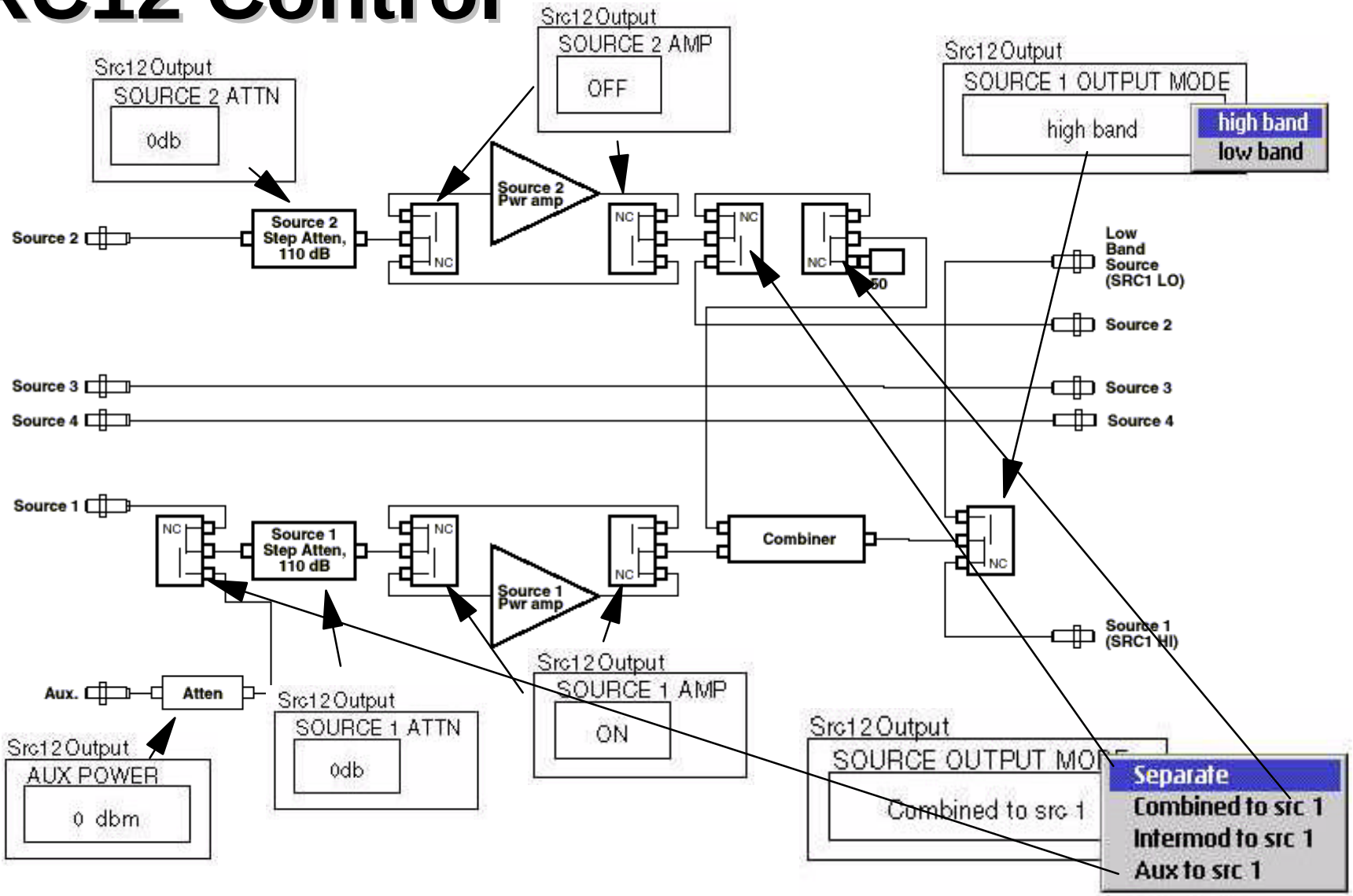
SRC12 Output



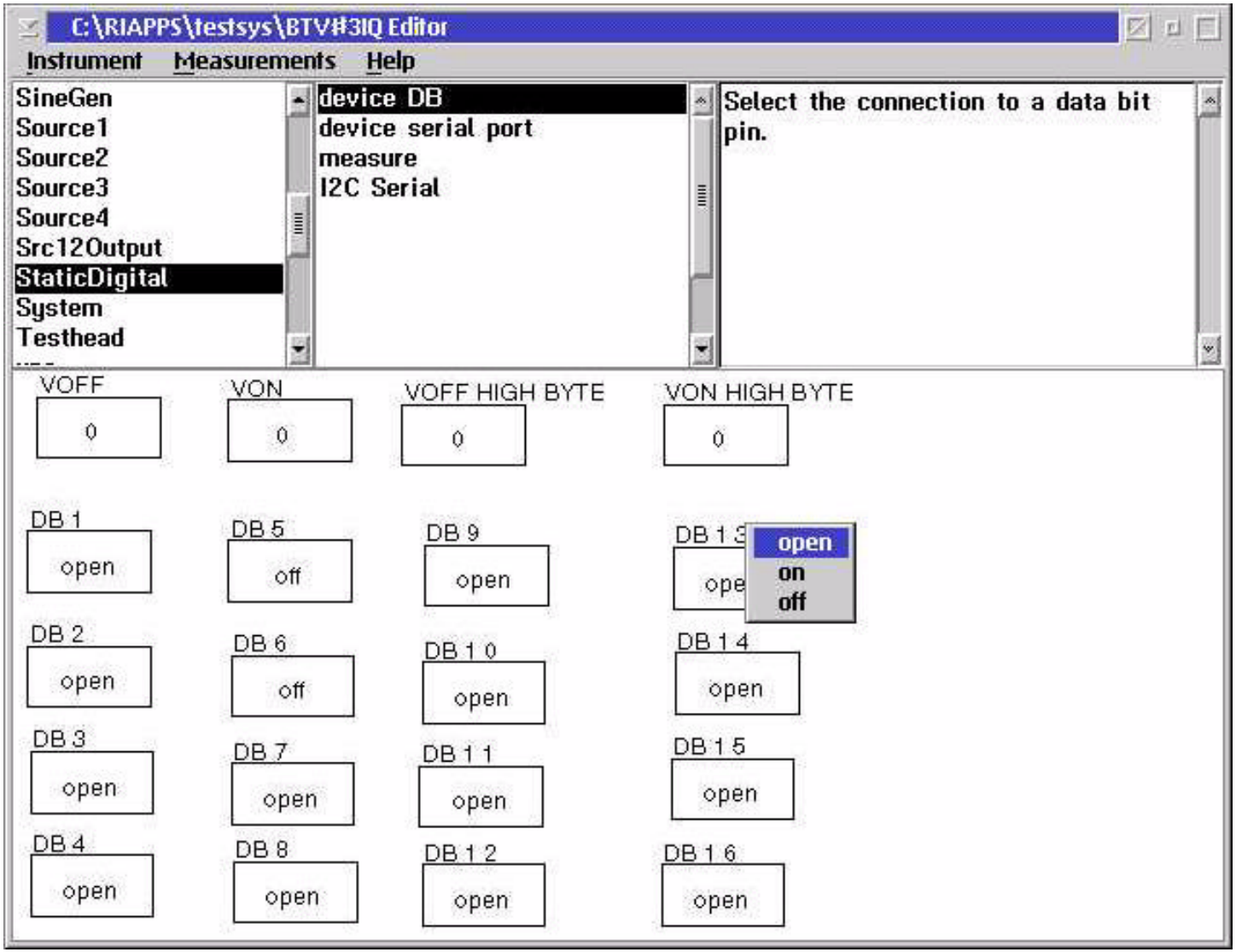
SRC12 Output



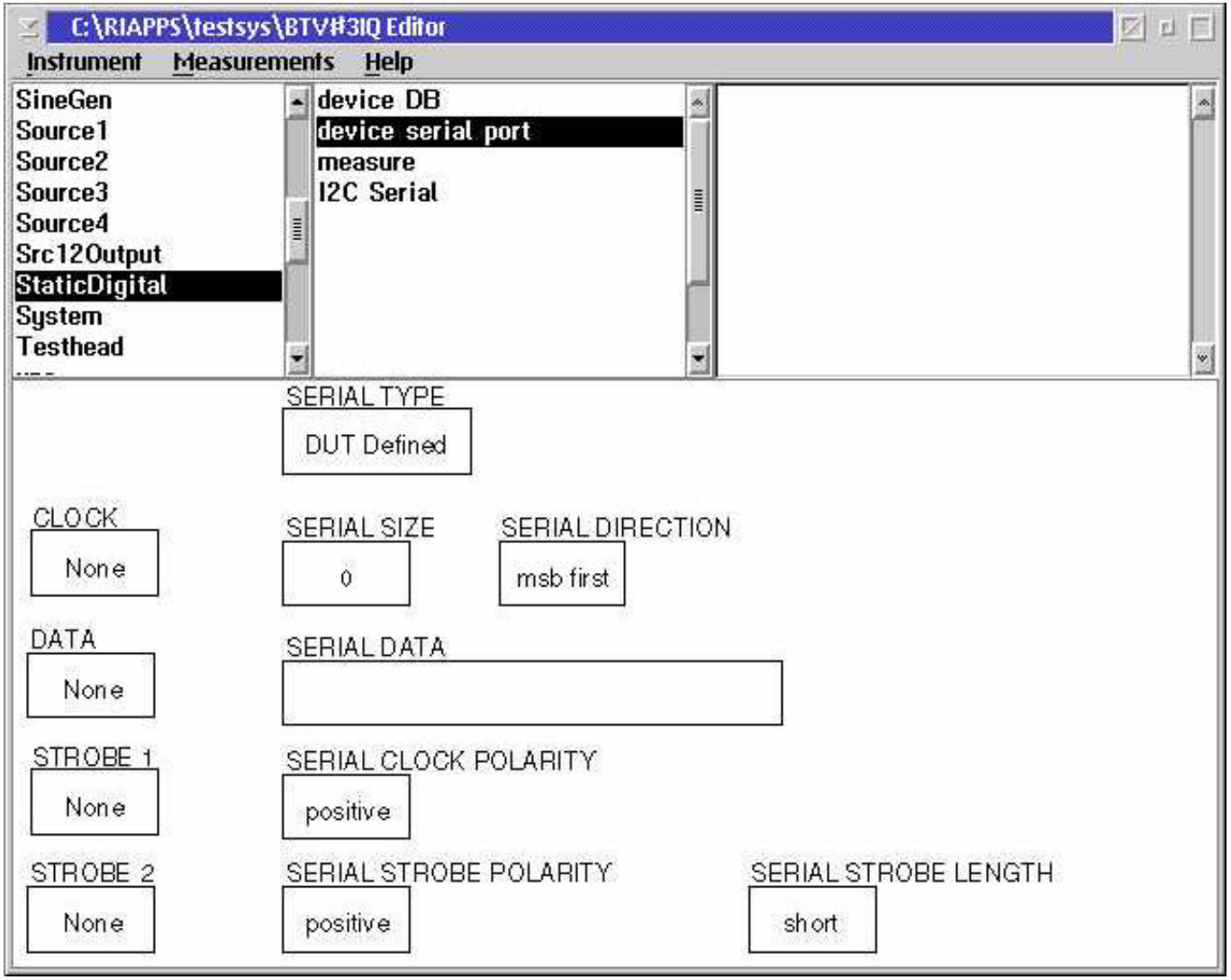
SRC12 Control



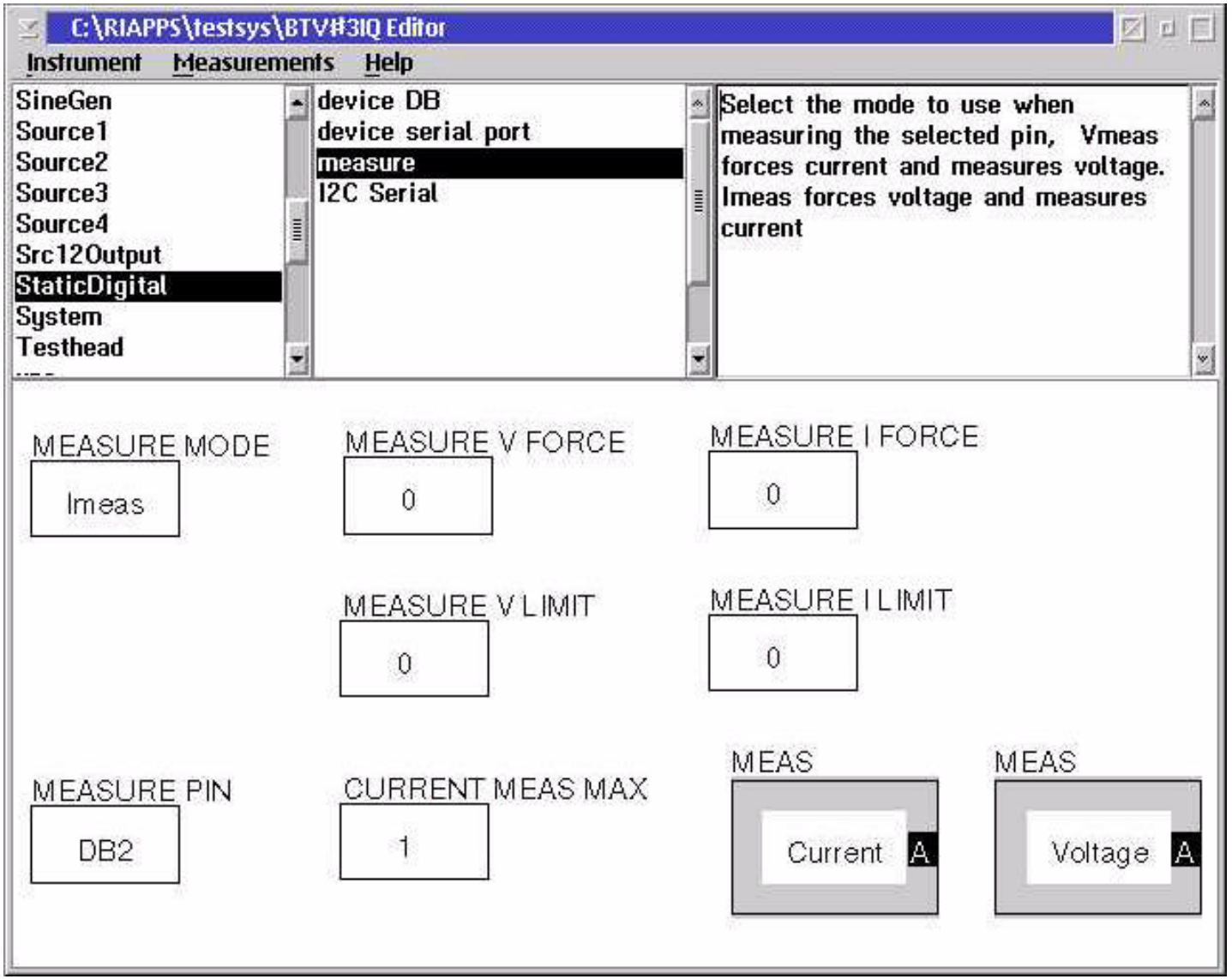
Static Digital; DB Lines



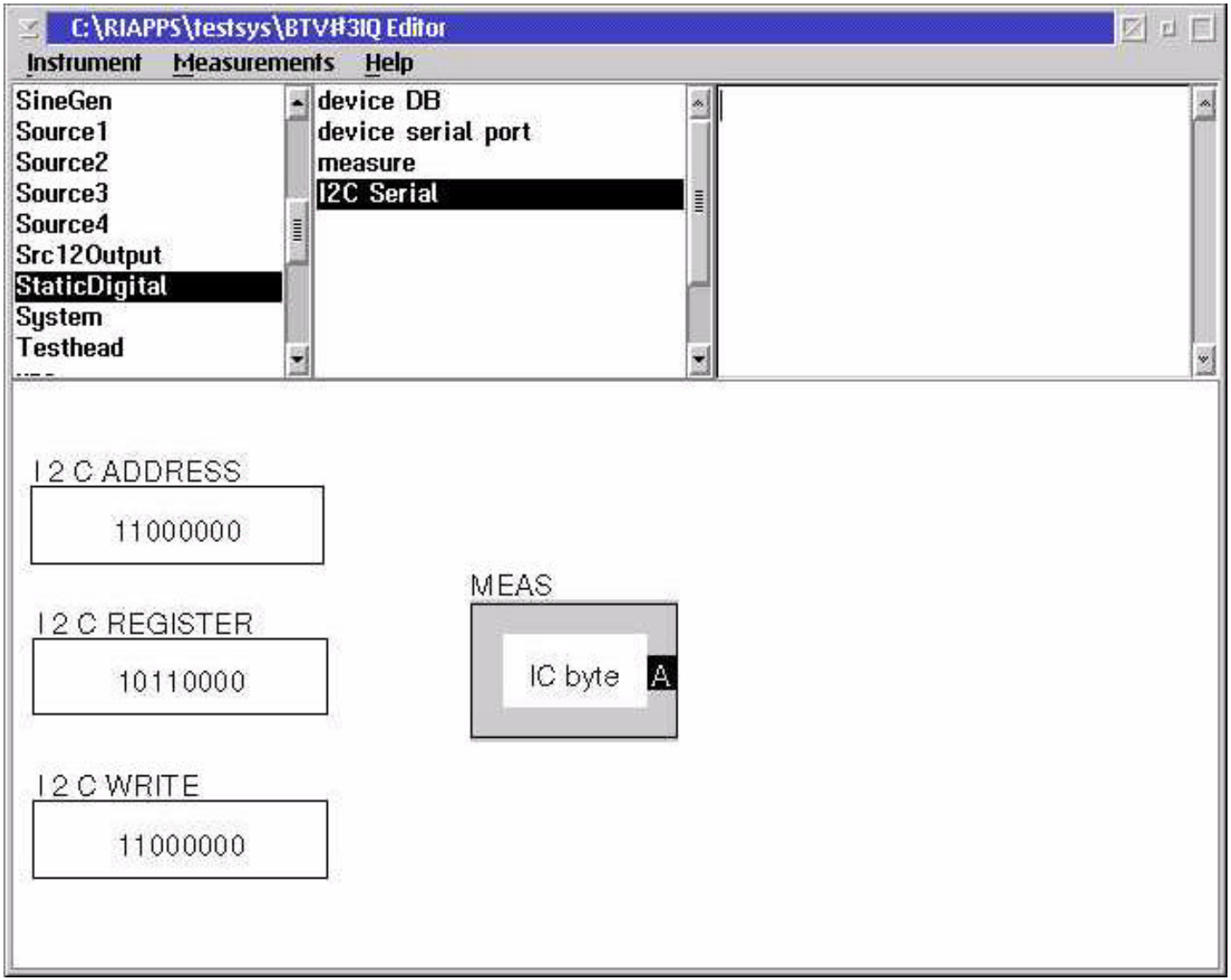
Static Digital; Device Serial Port



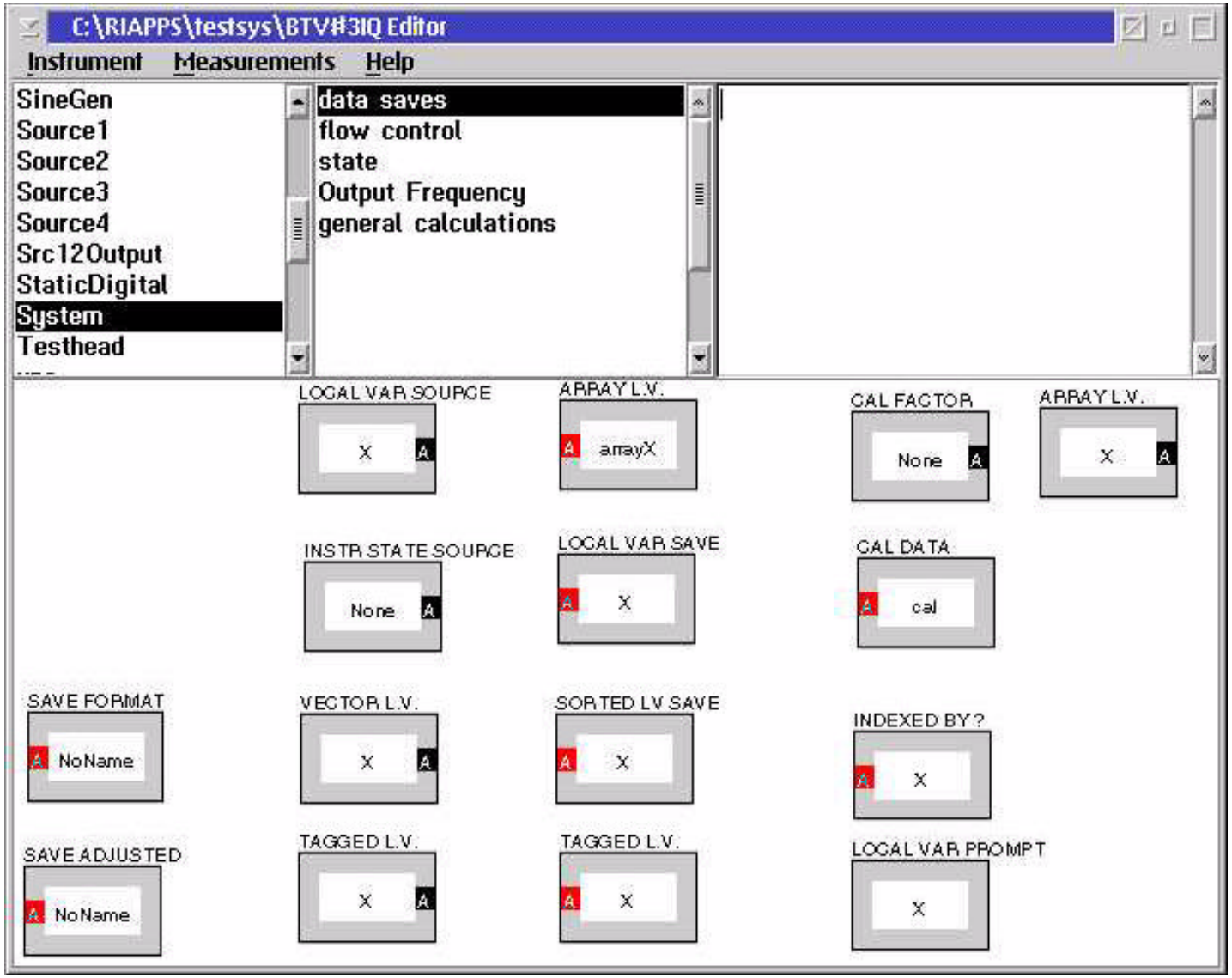
Static Digital; Measurement



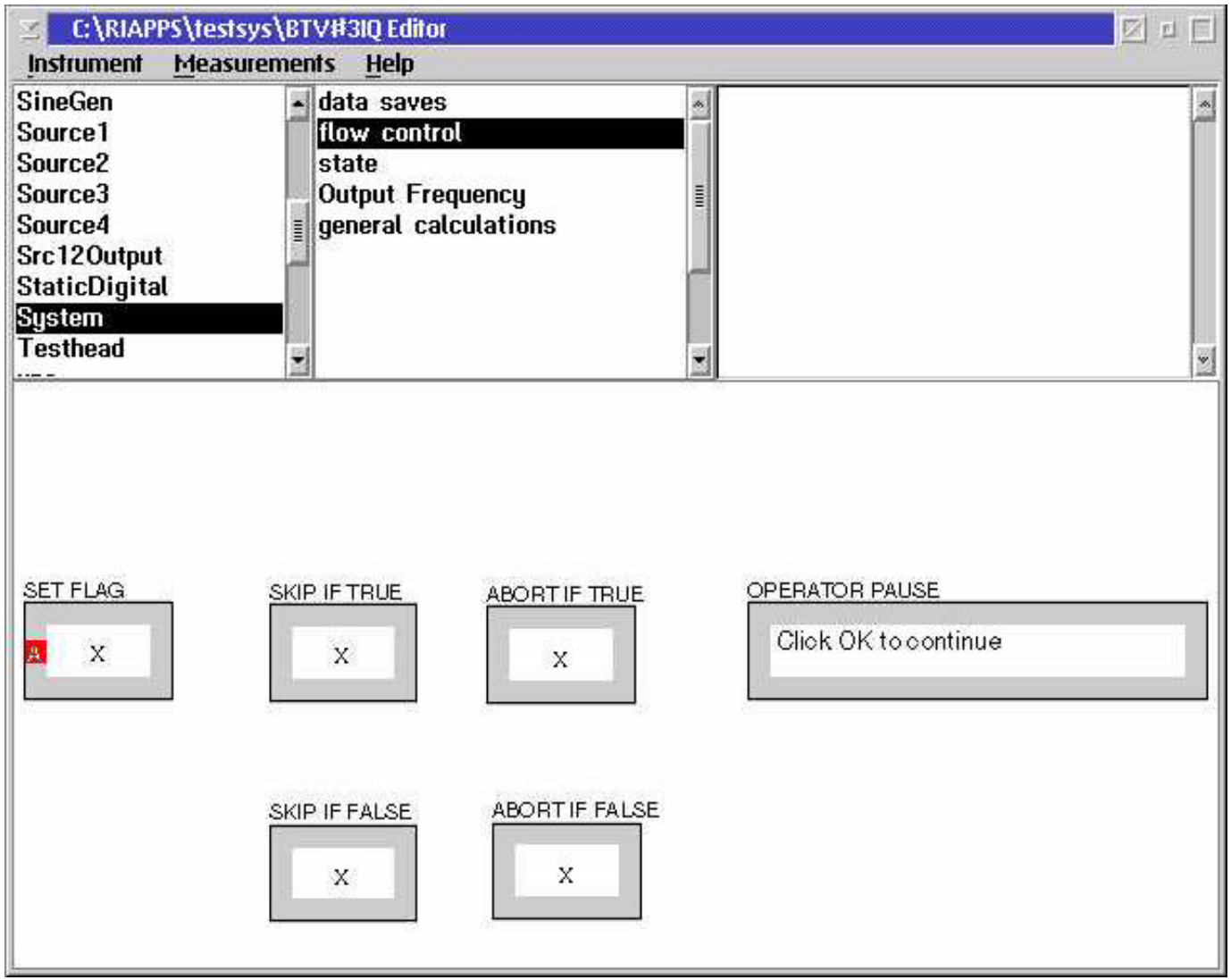
Static Digital; I2C



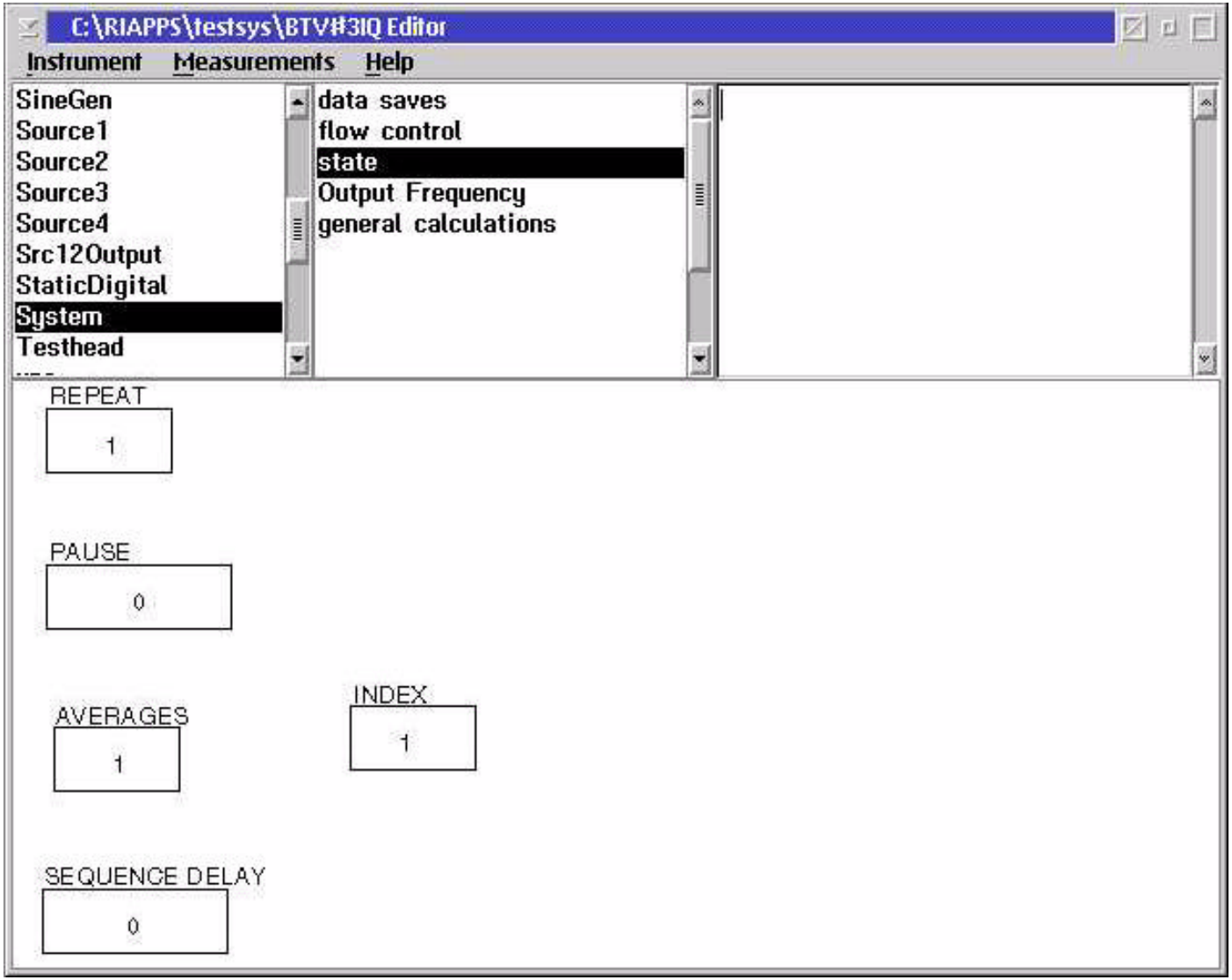
System; Data Saves



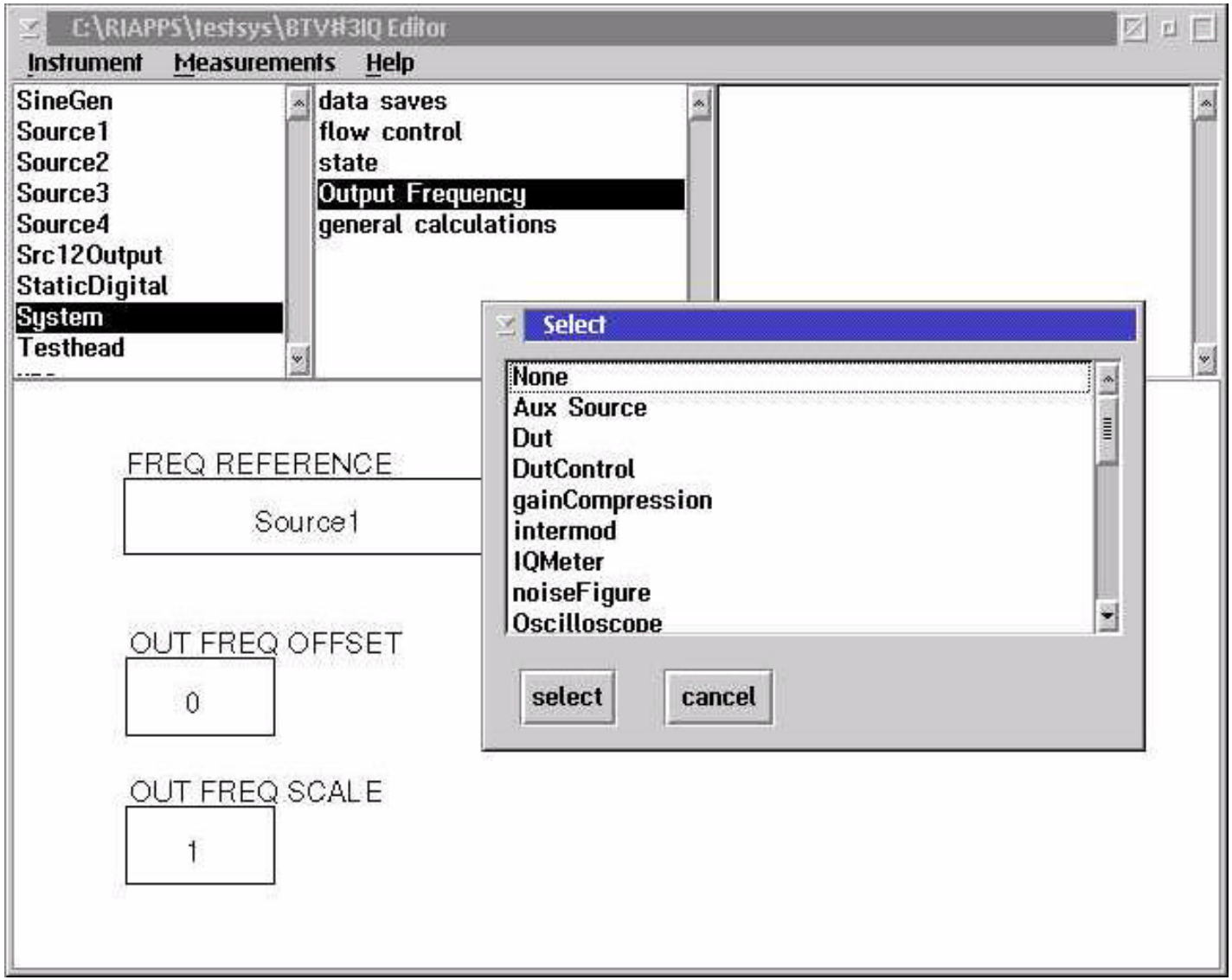
System; Flow Control



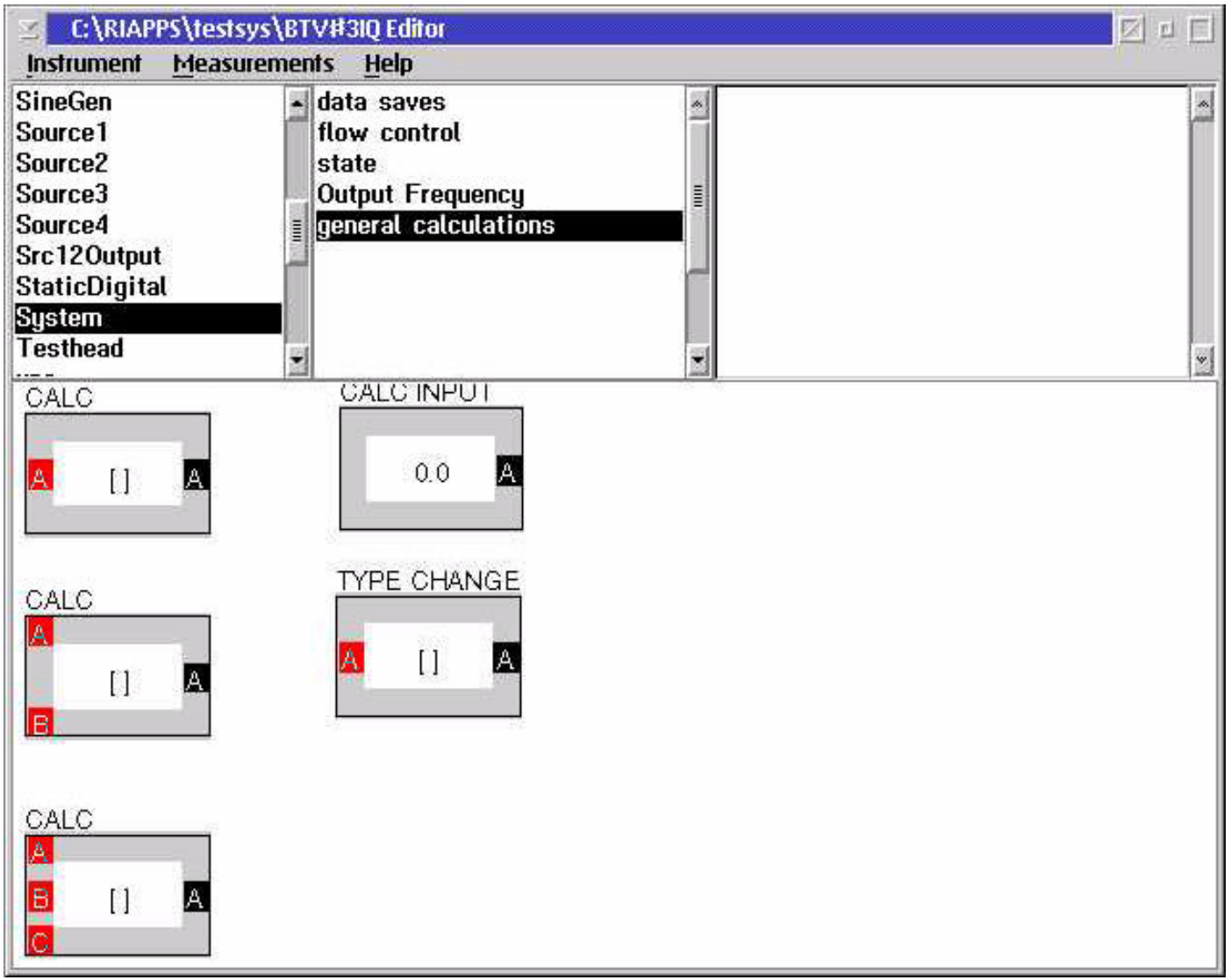
System; State



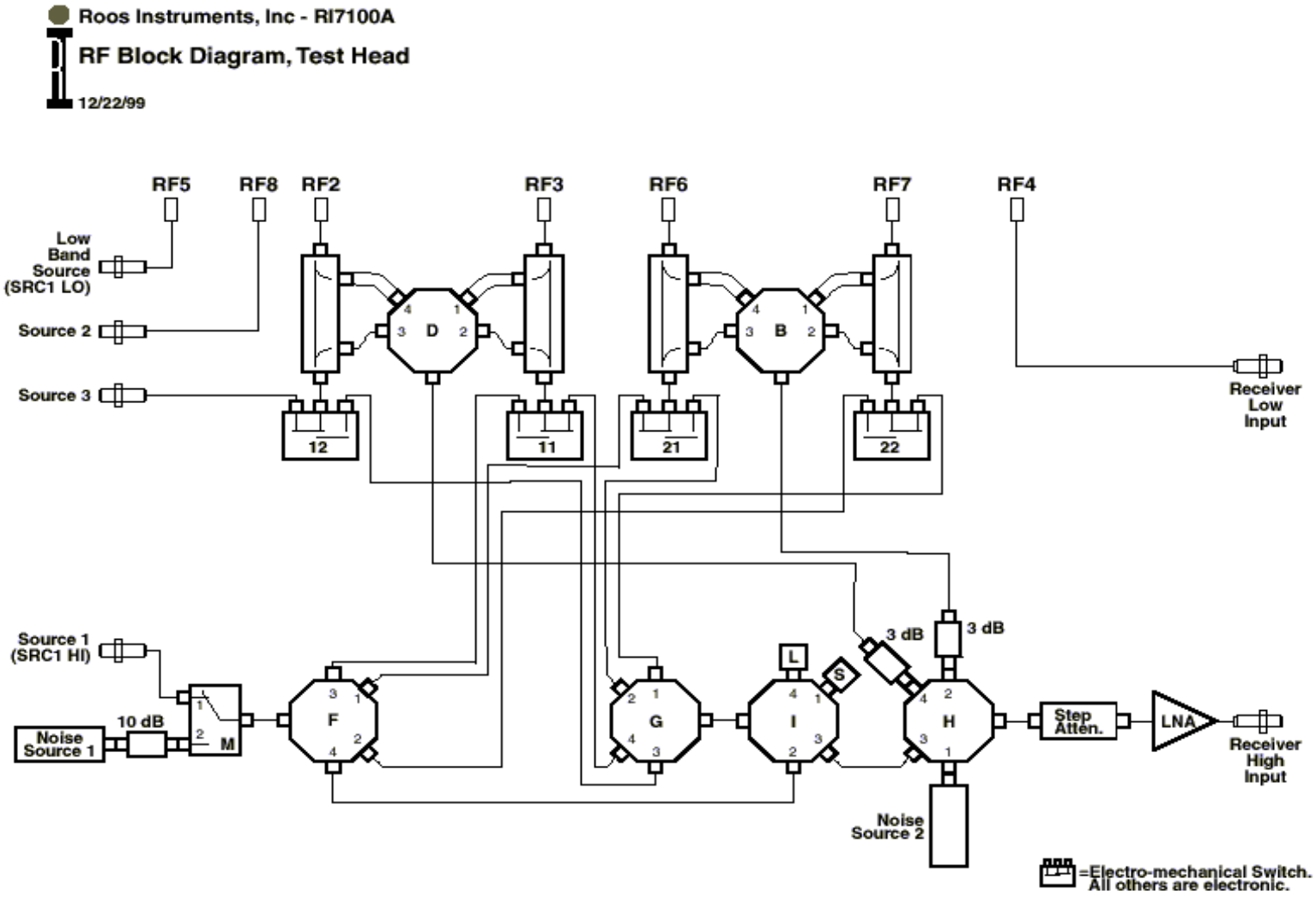
System; Output Frequency



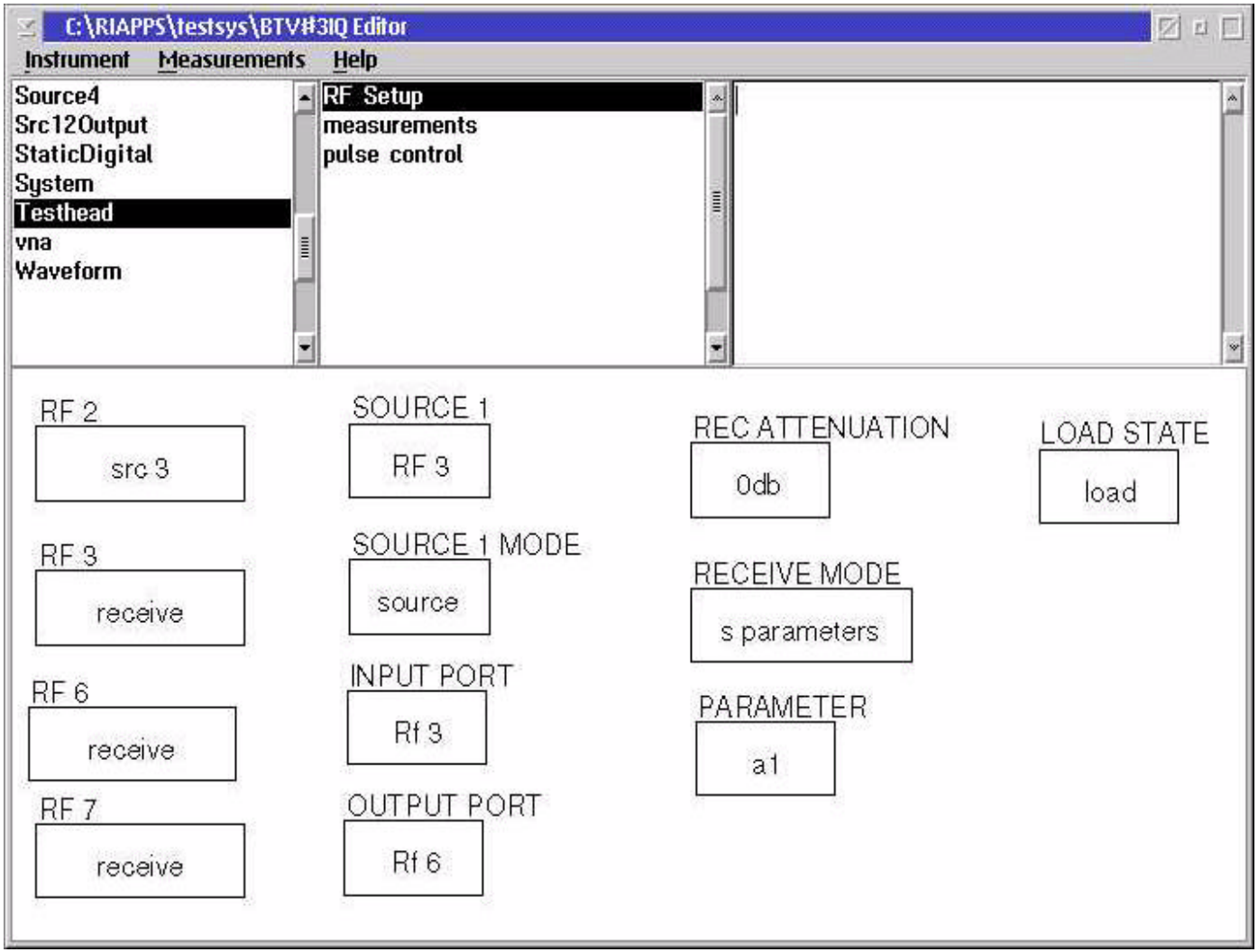
System; General Calculations



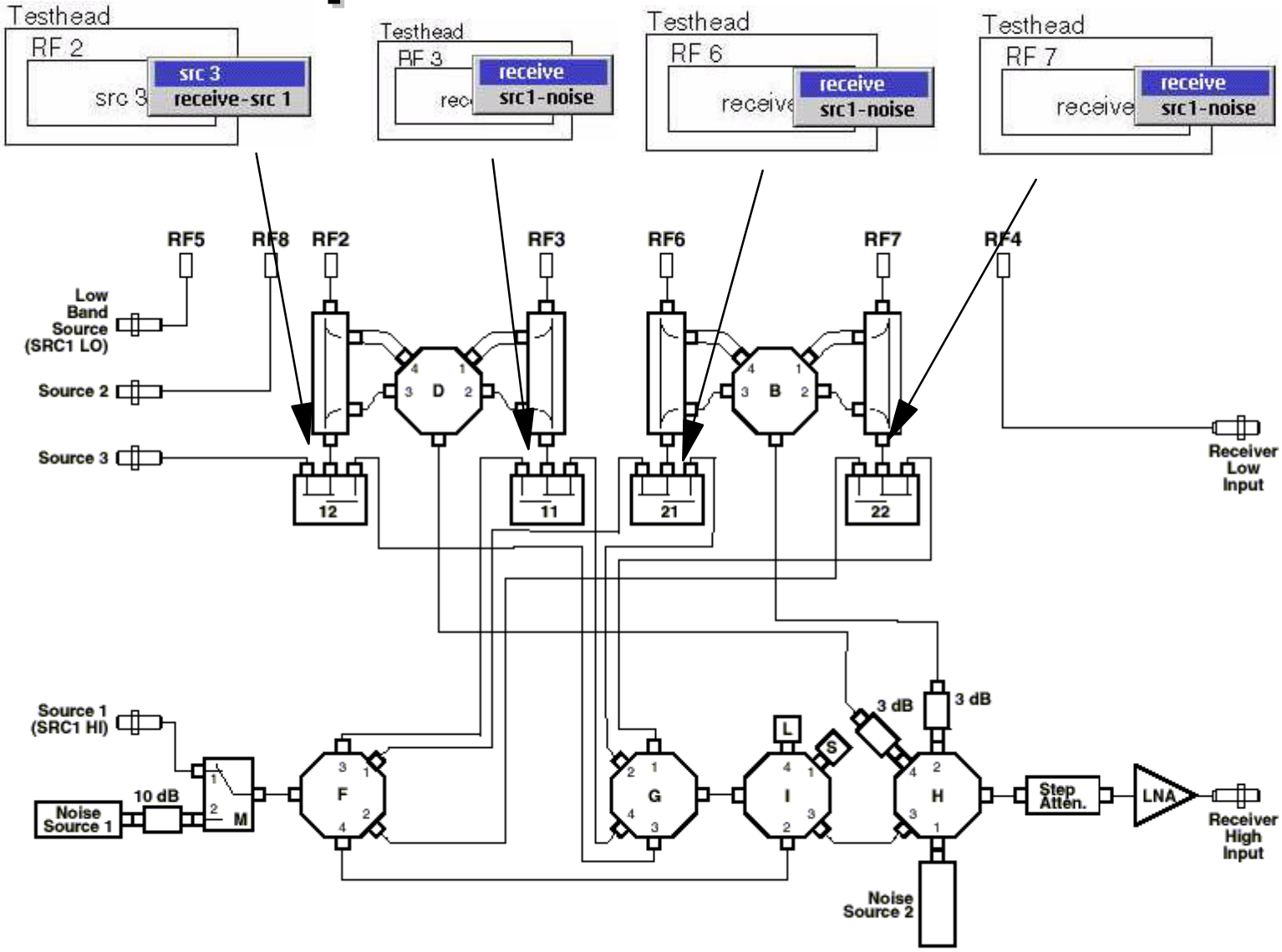
Testhead Block Diagram



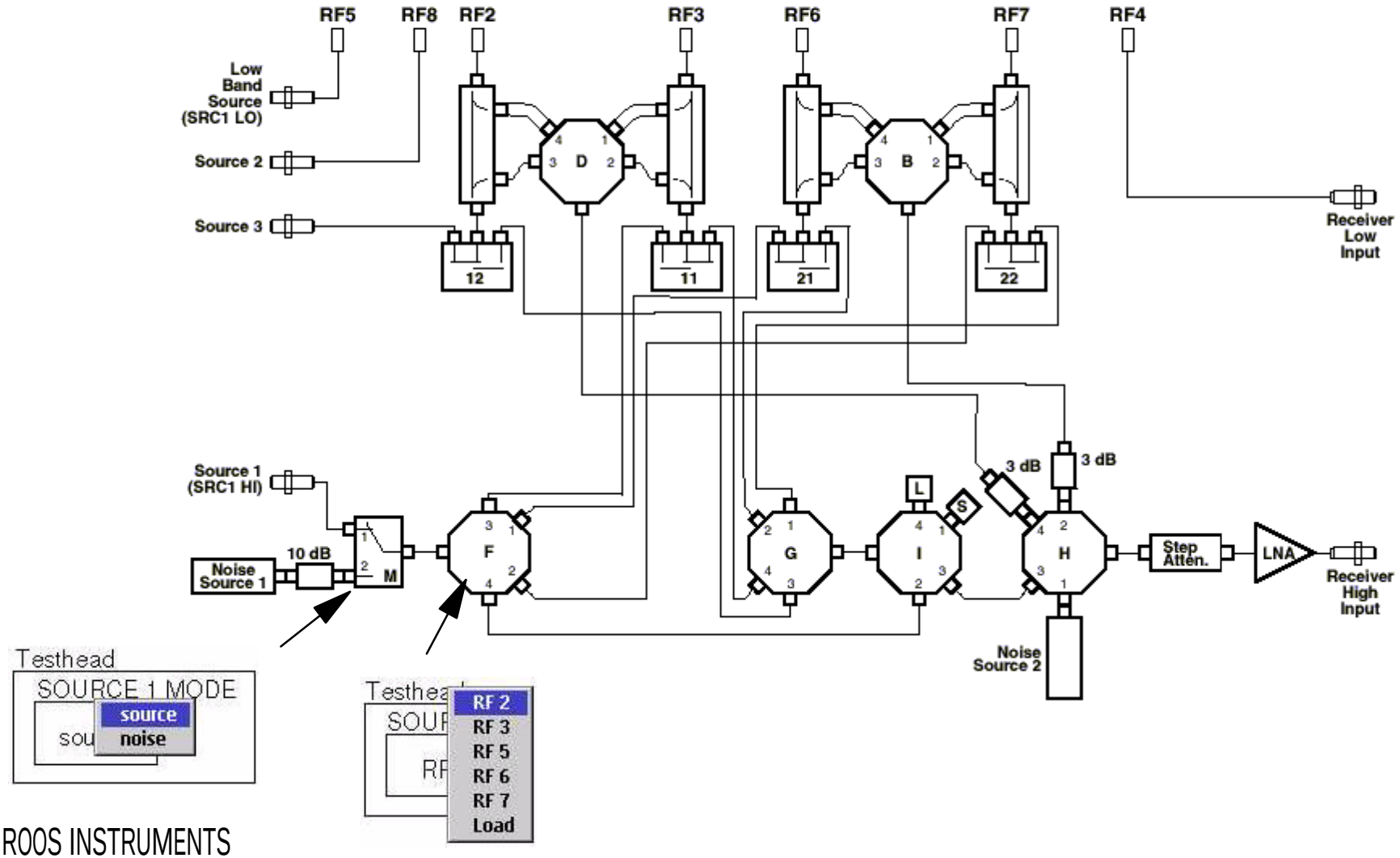
Testhead Editor



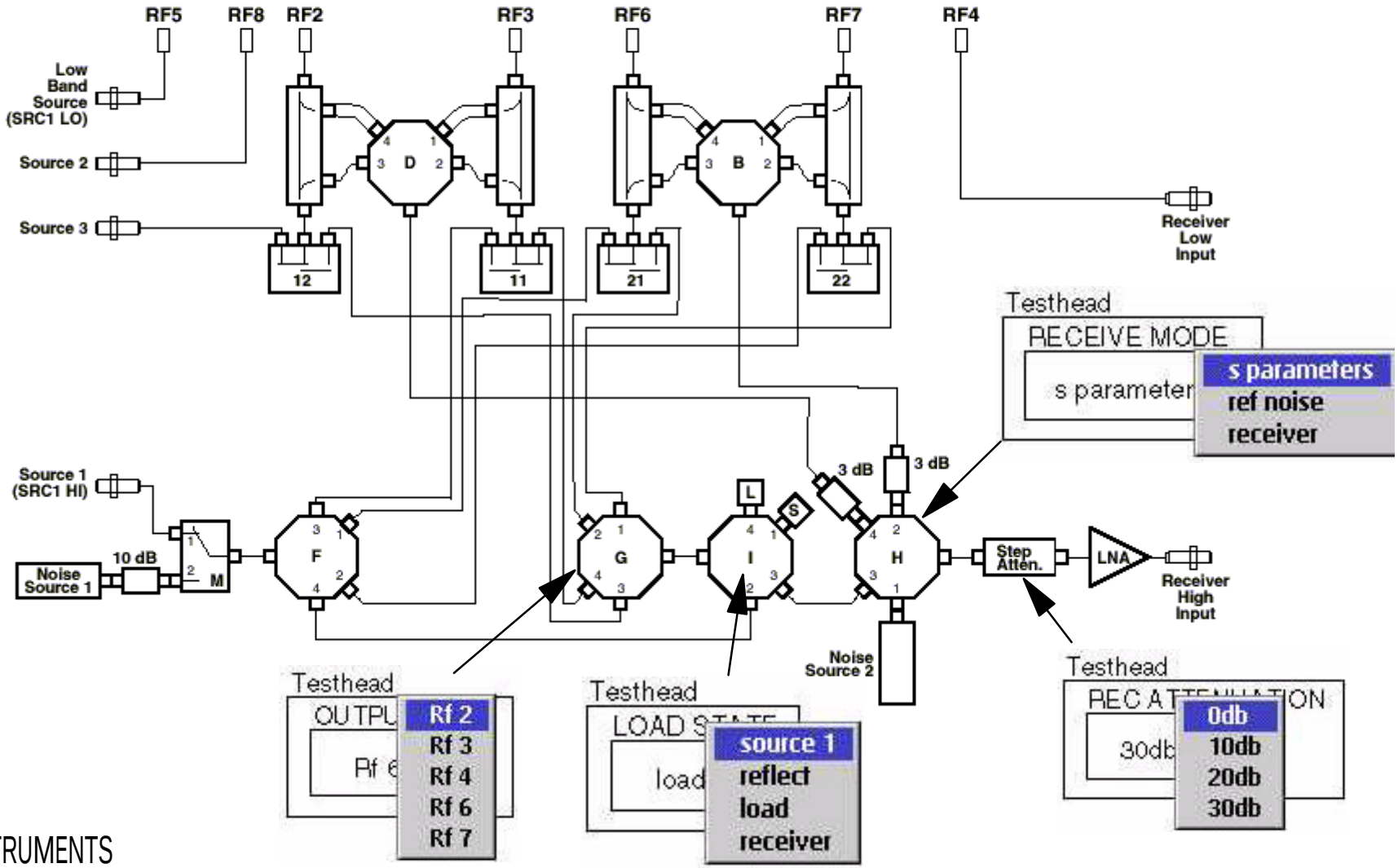
Port Set-Up


Testhead
RF 2
src 3
src 3
receive-src 1
Testhead
RF 3
rec
receive
src1-noise
Testhead
RF 6
receive
receive
src1-noise
Testhead
RF 7
receive
receive
src1-noise
RF5
RF8
RF2
RF3
RF6
RF7
RF4
Low Band Source (SRC1 LO)
Source 2
Source 3
D
B
12
11
21
22
Receiver Low Input
Source 1 (SRC1 HI)
Noise Source 1
10 dB
M
F
G
I
H
L
S
3 dB
3 dB
Step Atten.
LNA
Receiver High Input
Noise Source 2

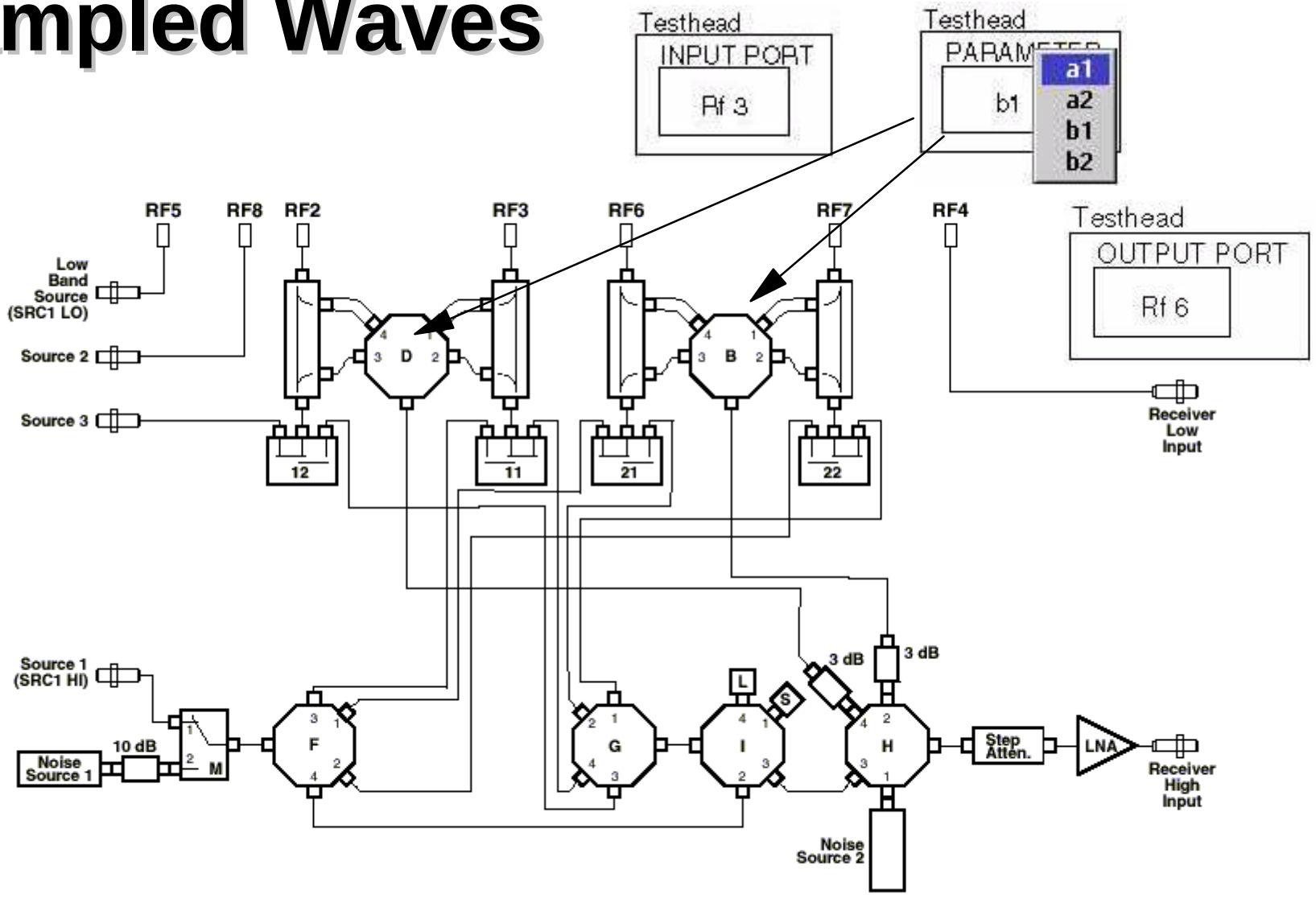
Stimulus


RF5
RF8
RF2
RF3
RF6
RF7
RF4
Low Band Source (SRC1 LO)
Source 2
Source 3
D
B
12
11
21
22
Receiver Low Input
Source 1 (SRC1 HI)
Noise Source 1
10 dB
M
F
G
I
H
L
S
3 dB
3 dB
Step Atten.
LNA
Receiver High Input
Noise Source 2
Testhead
SOURCE 1 MODE
source
noise
RF 2
RF 3
RF 5
RF 6
RF 7
Load

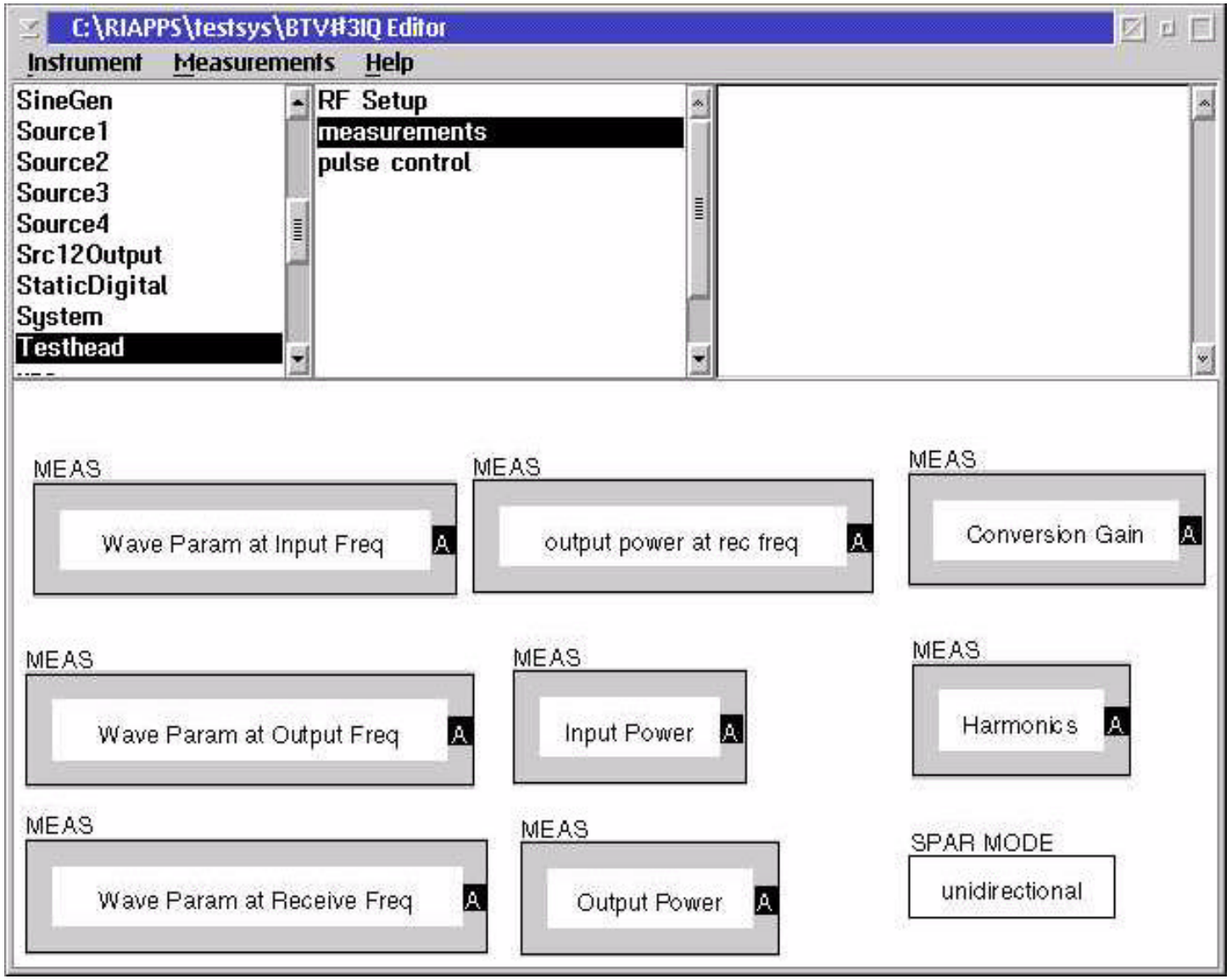
Receive


RF5
RF8
RF2
RF3
RF6
RF7
RF4
Low Band Source (SRC1 LO)
Source 2
Source 3
D
B
12
11
21
22
Receiver Low Input
Testhead
RECEIVE MODE
s parameter
s parameters
ref noise
receiver
Source 1 (SRC1 HI)
10 dB
Noise Source 1
M
F
G
I
H
L
S
3 dB
3 dB
Step Atten.
LNA
Receiver High Input
Noise Source 2
Testhead
OUTPU
Rf 6
Rf 2
Rf 3
Rf 4
Rf 6
Rf 7
Testhead
LOAD S
load
source 1
reflect
load
receiver
Testhead
REC A
ON
30db
0db
10db
20db
30db

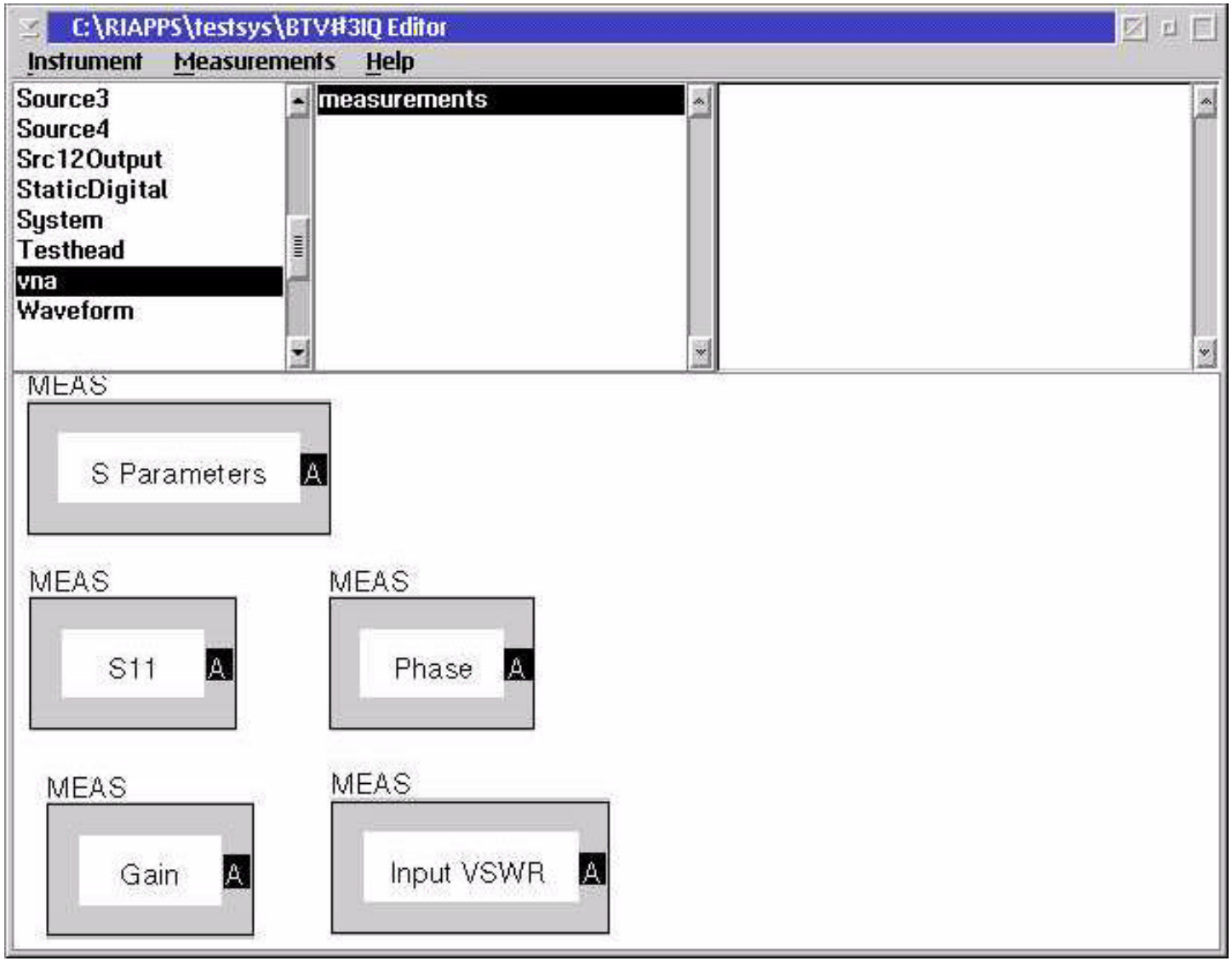
Sampled Waves



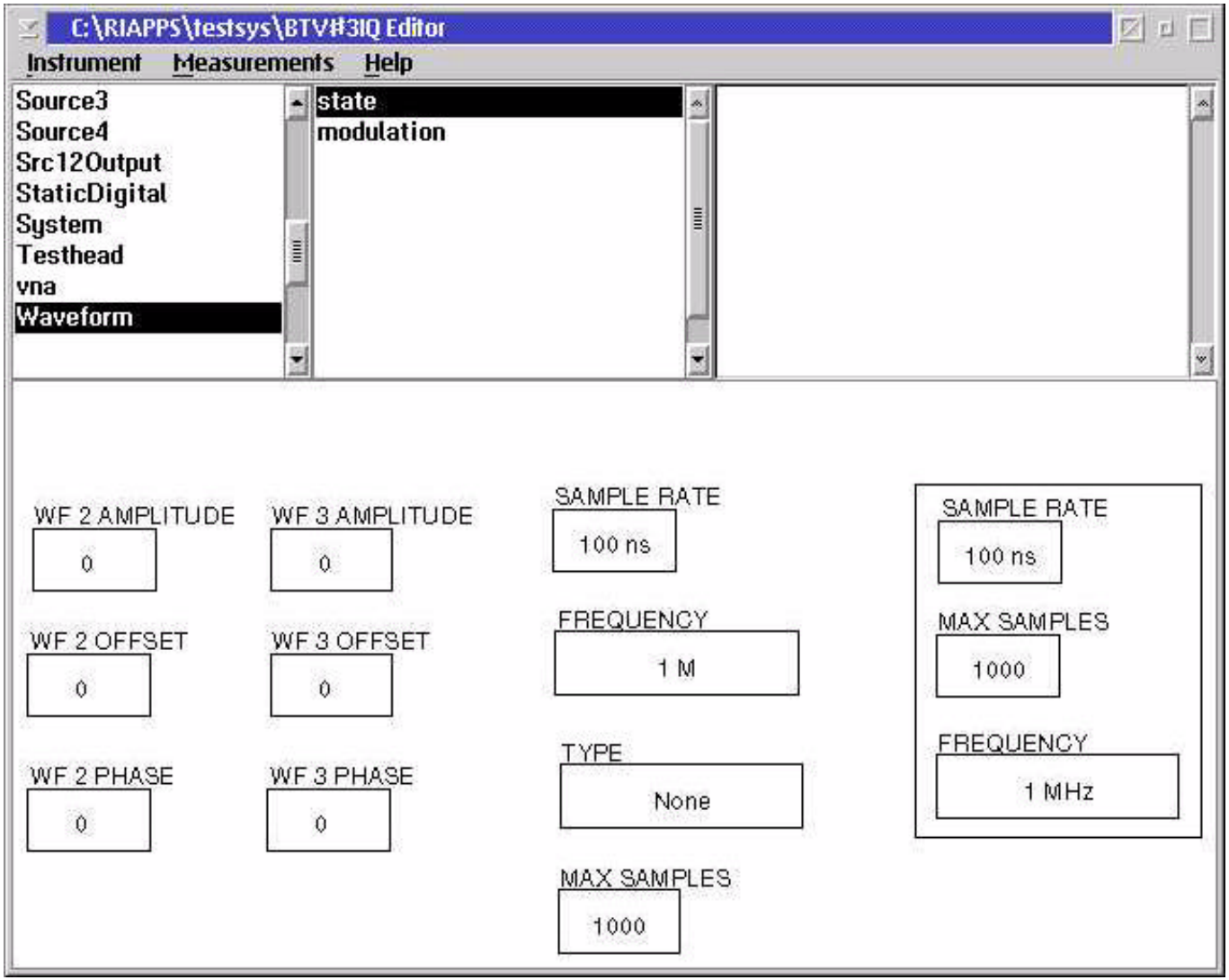
Testhead Measurements



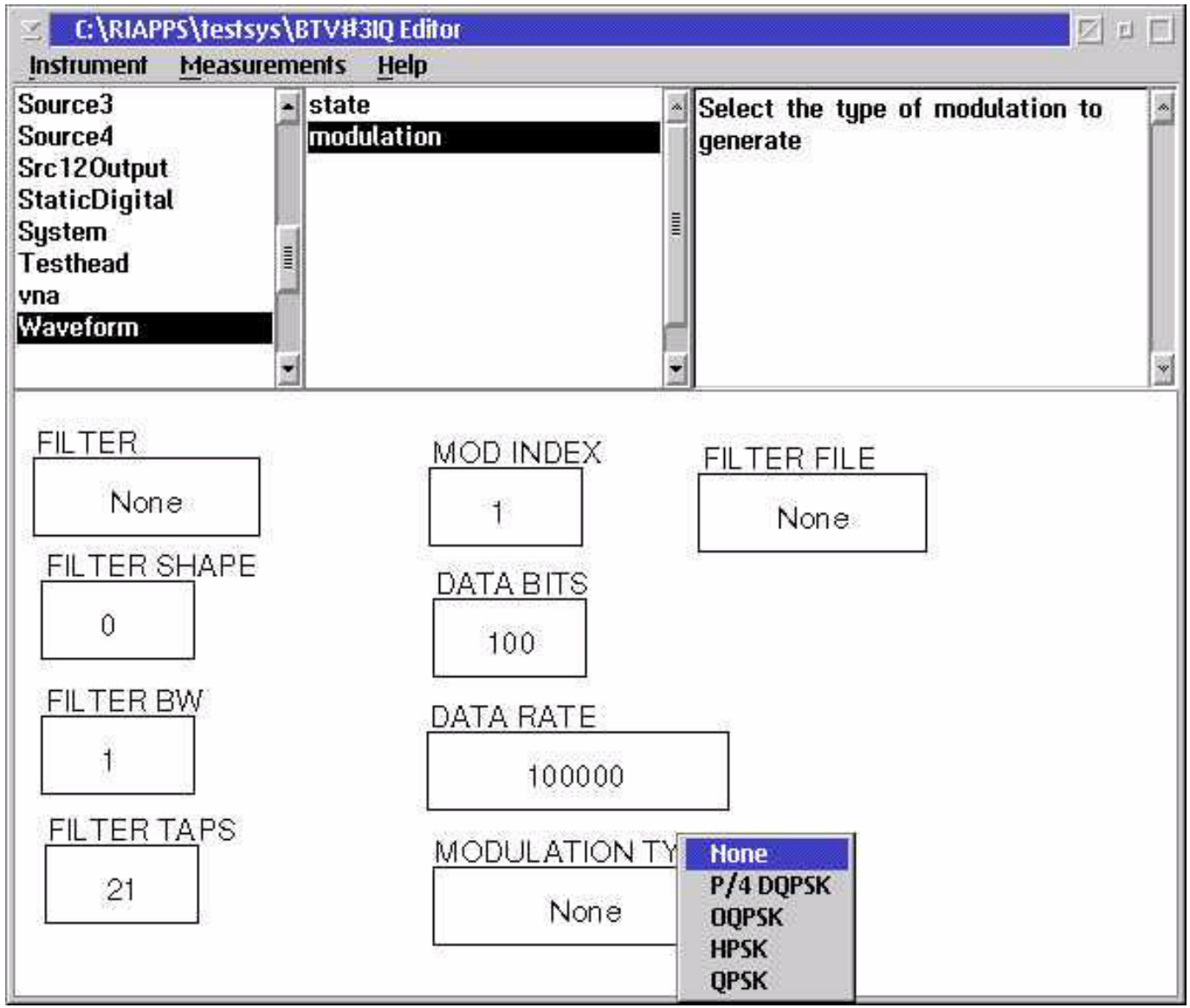
VNA; Measurements



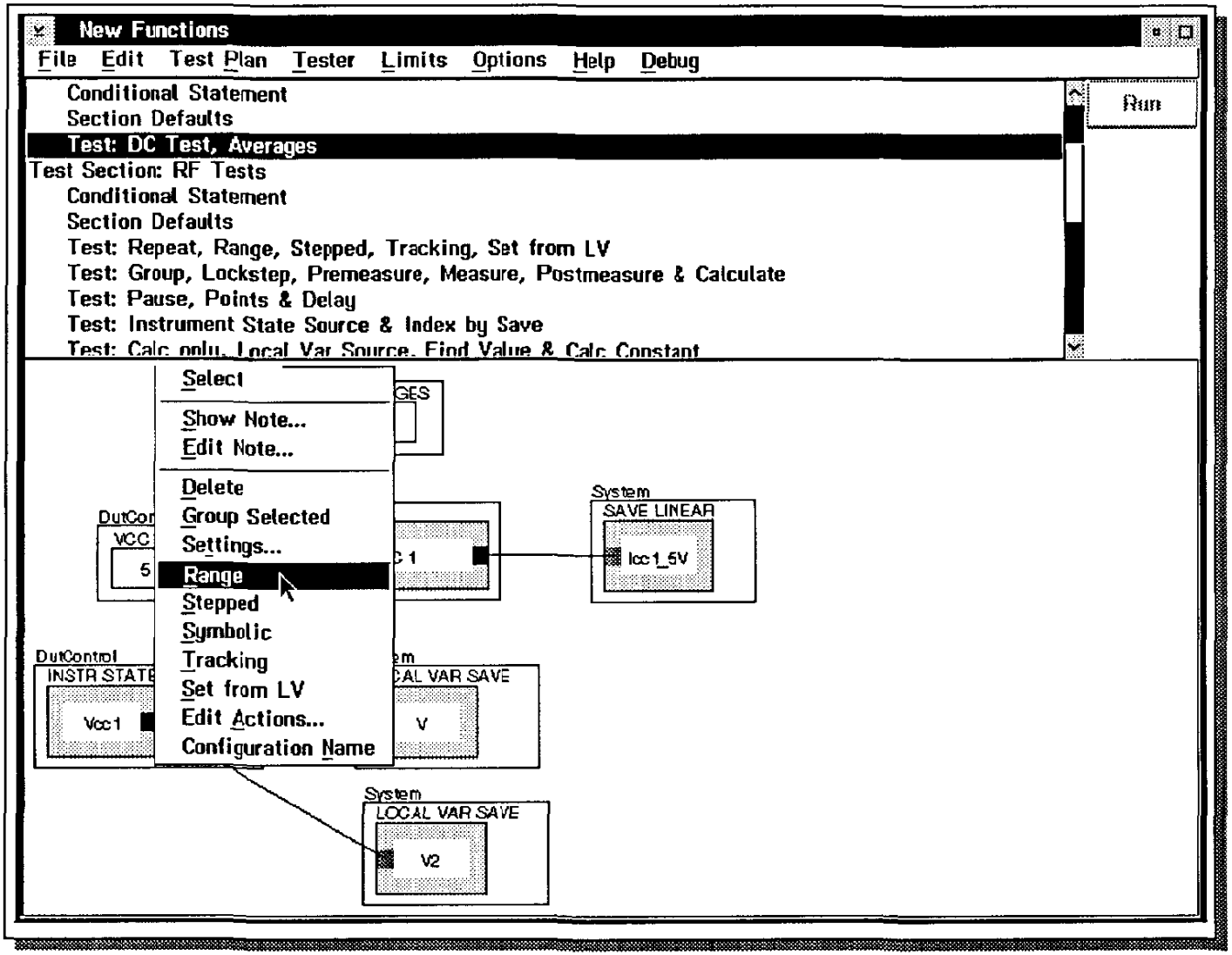
Waveform (ARB); State



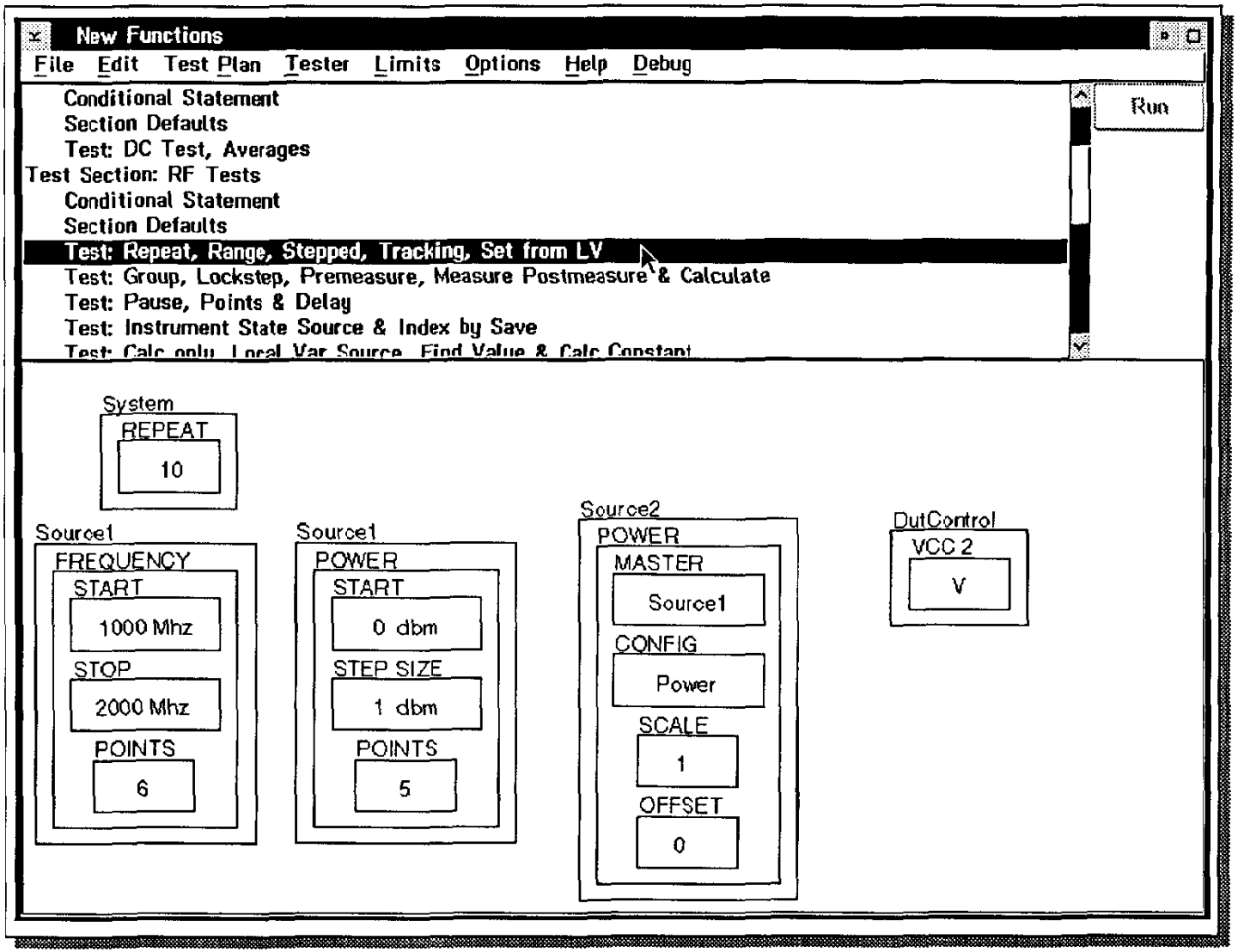
Waveform (ARB); Modulation



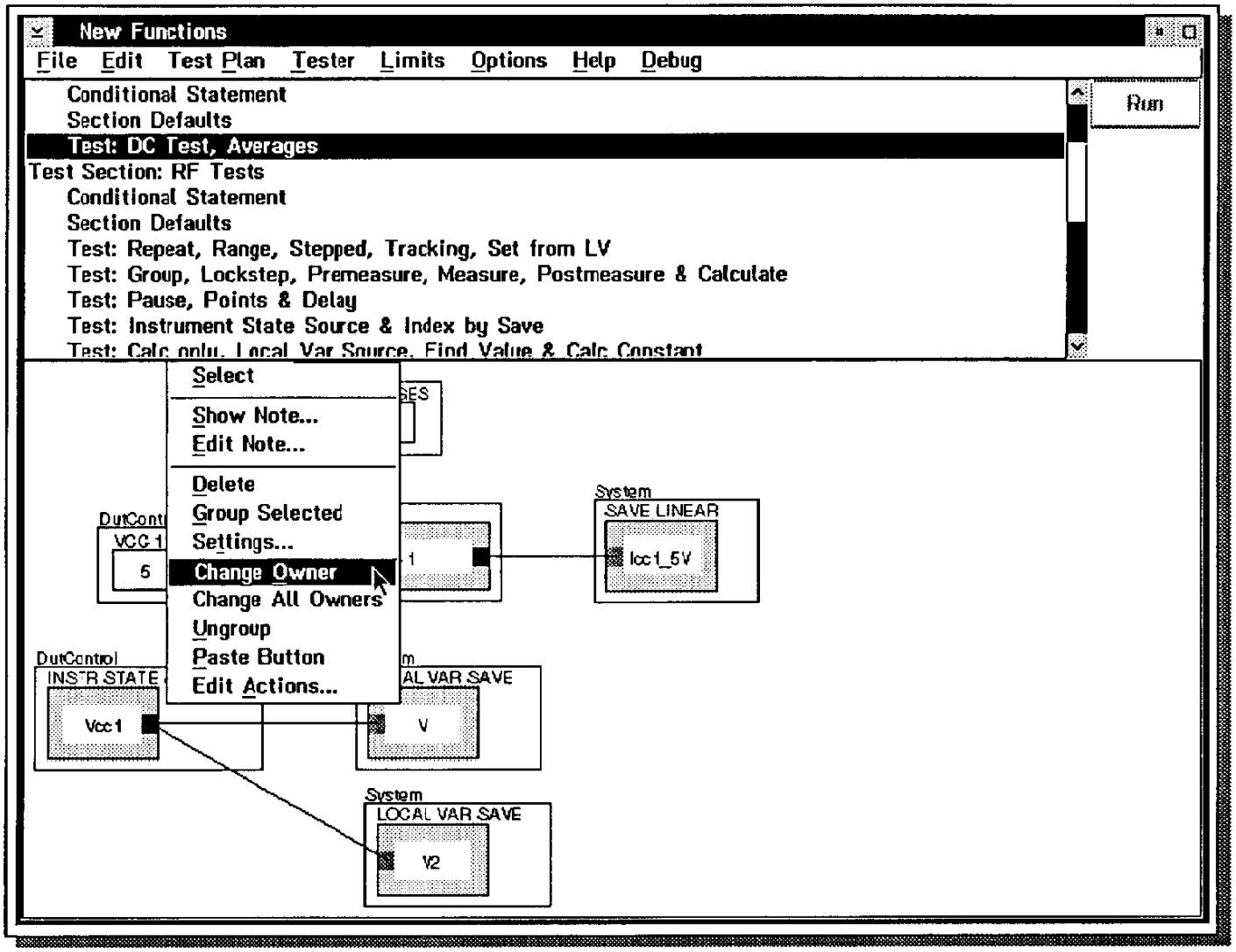
Button 2 Functions



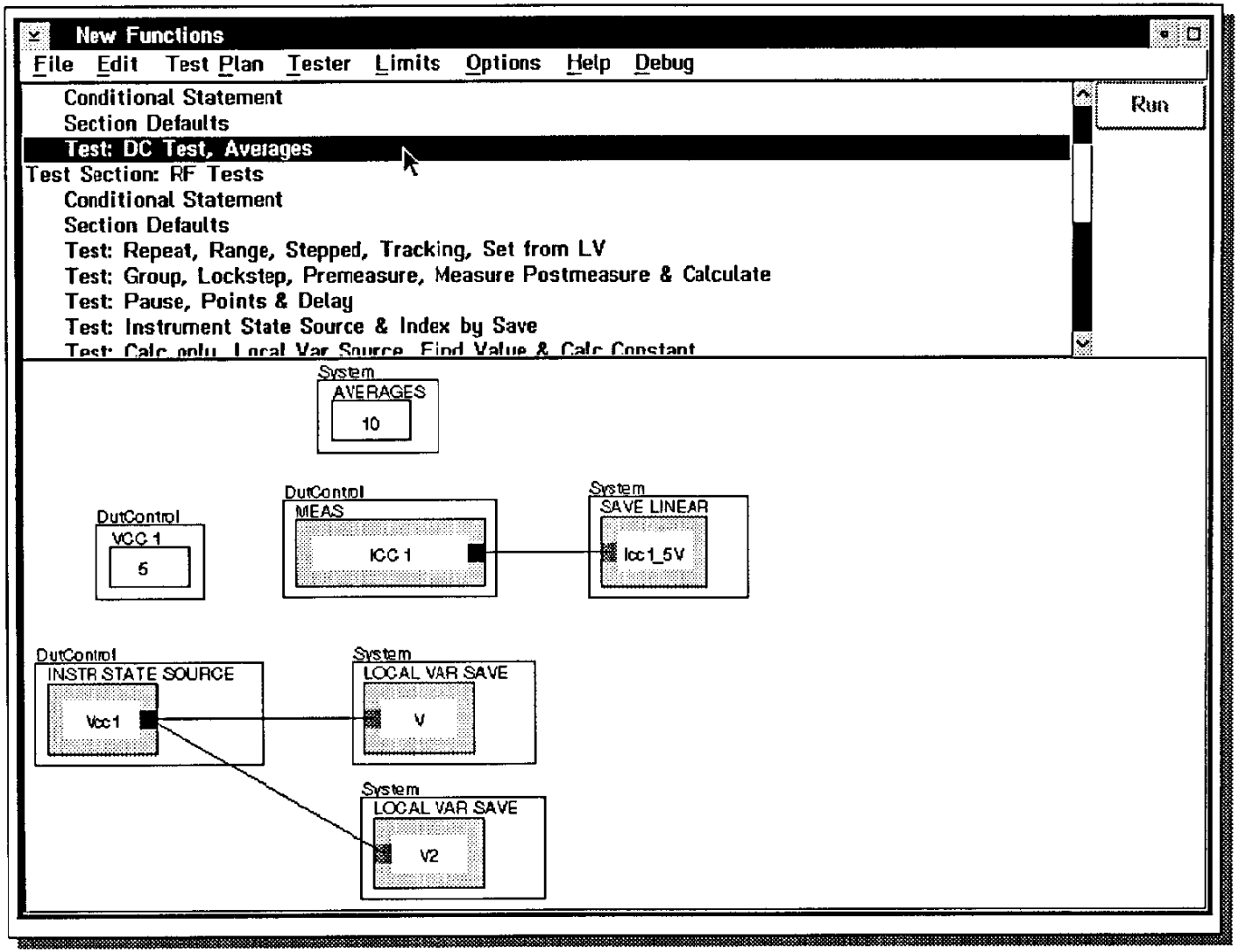
REPEAT, RANGE, STEPPED, TRACKING & SET Local Variable (LV)



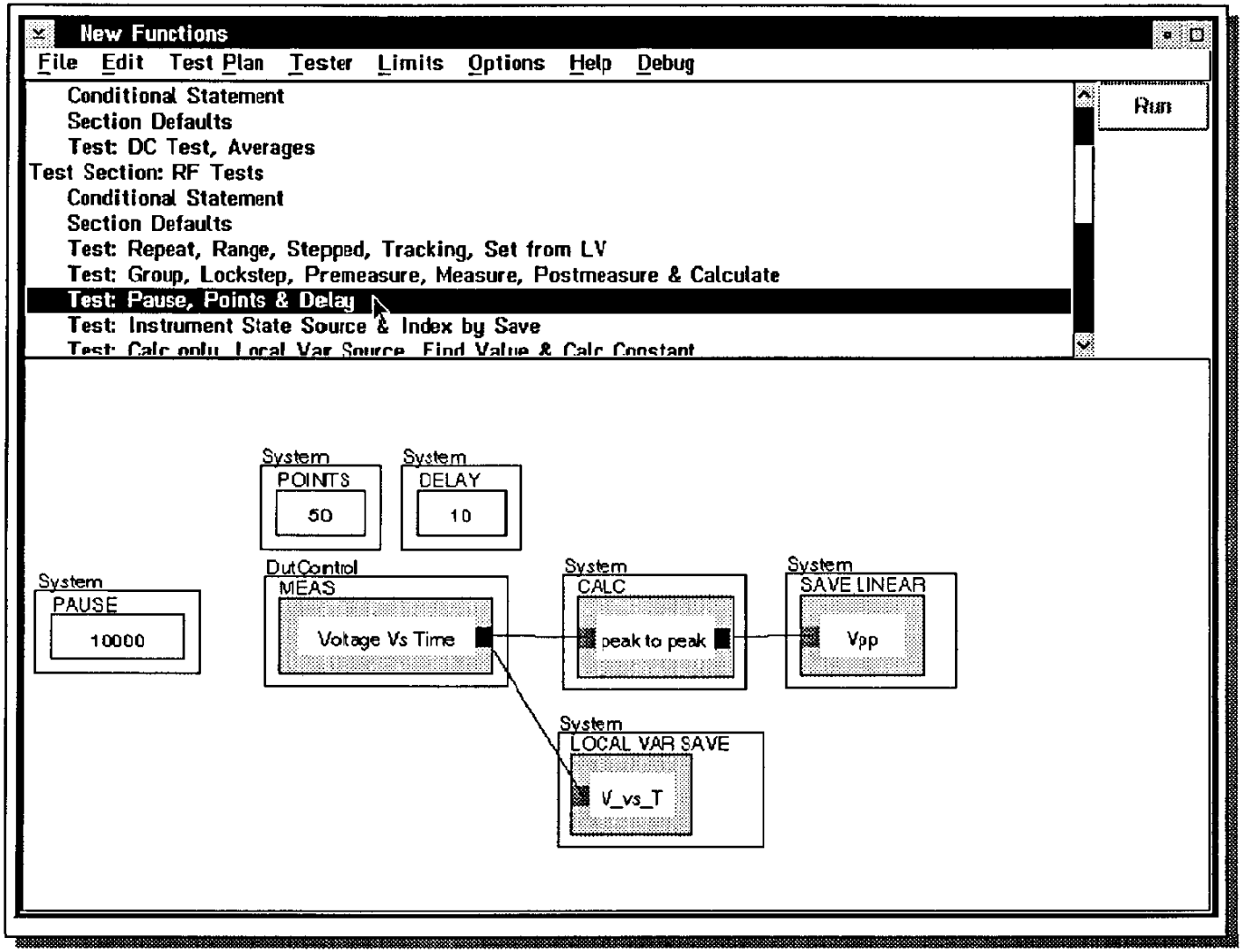
Changing Button Owner



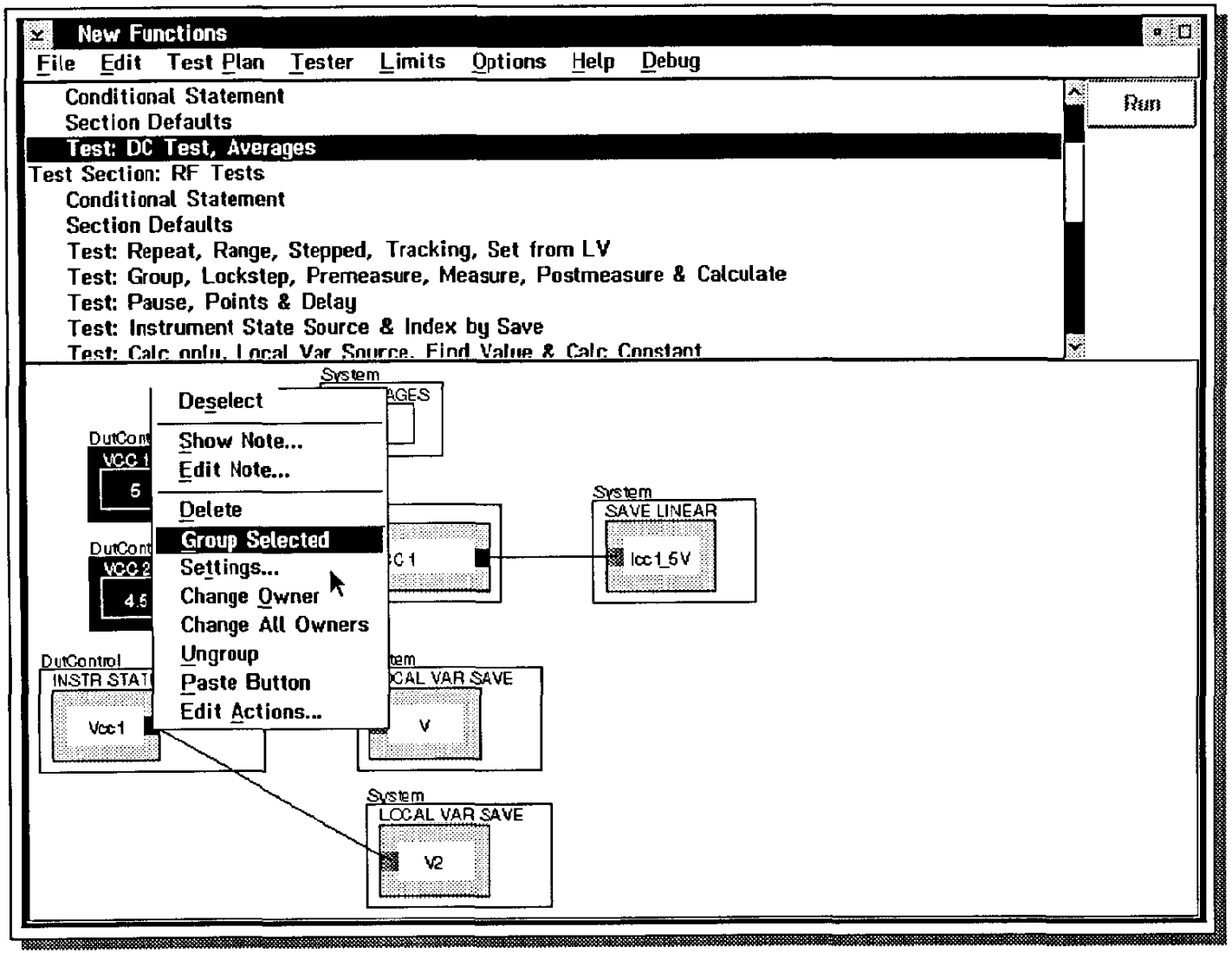
System Buttons: Averages, Inst State Source & Local VAR Save



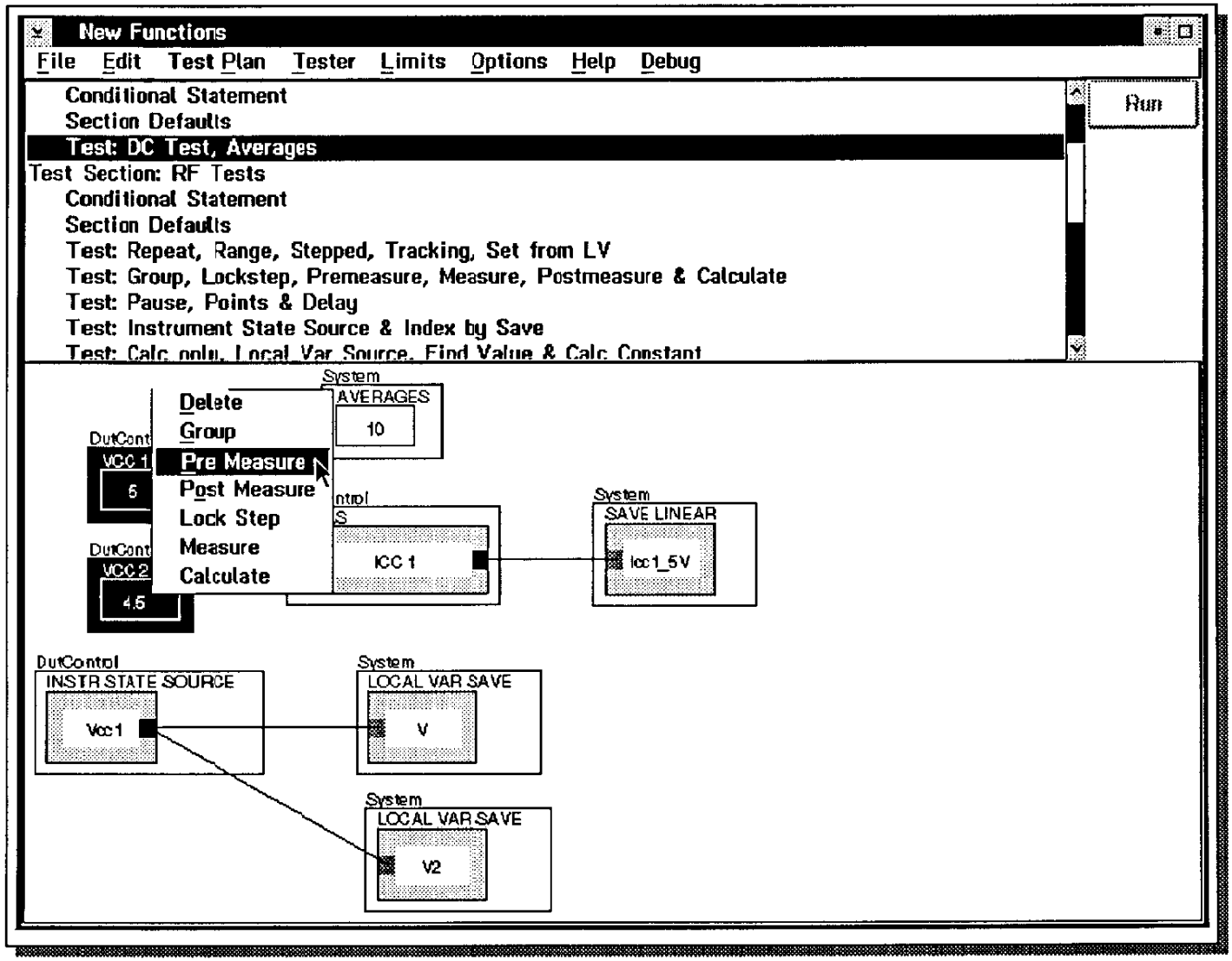
System Buttons: Pause, Points & Delay



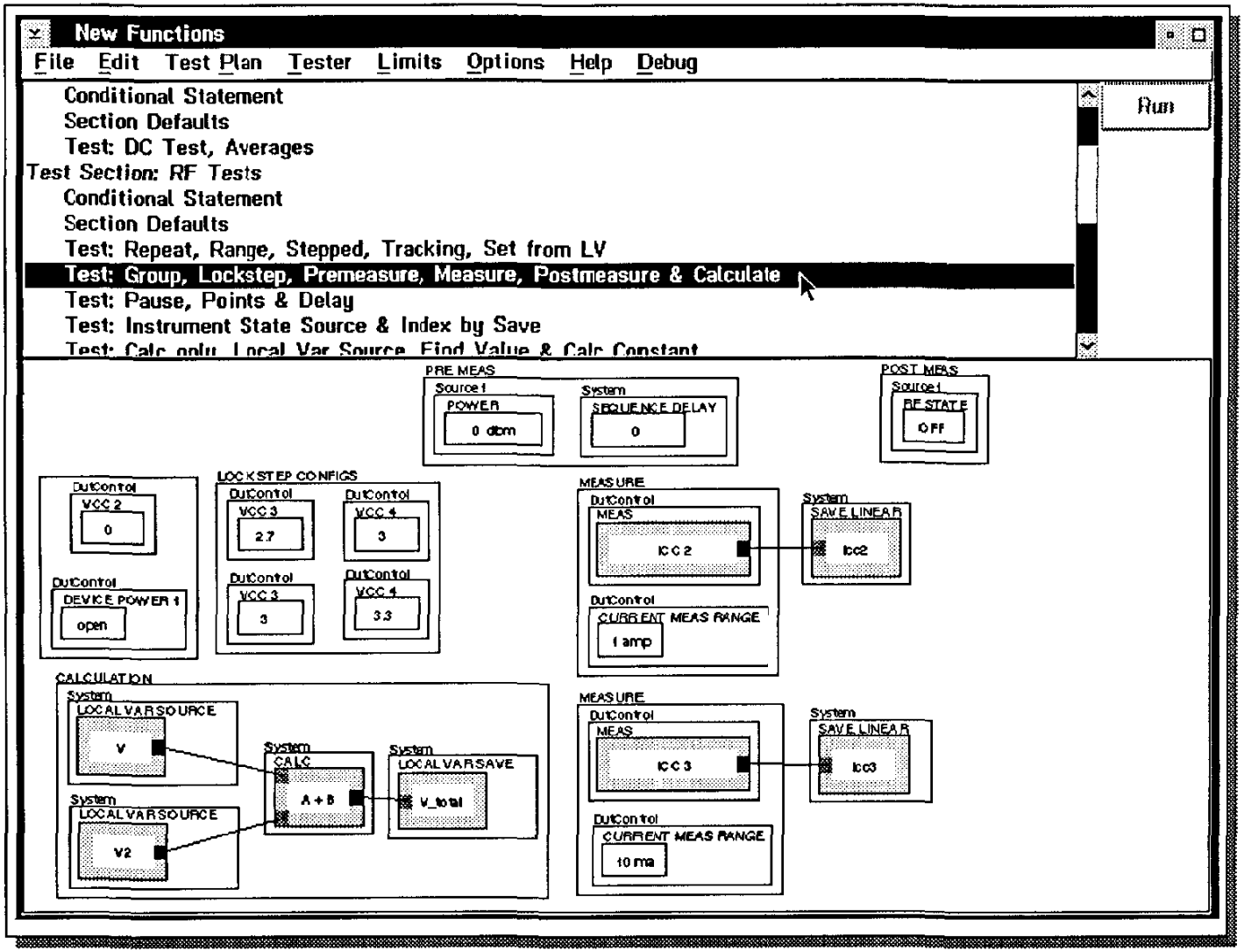
Selecting a Group



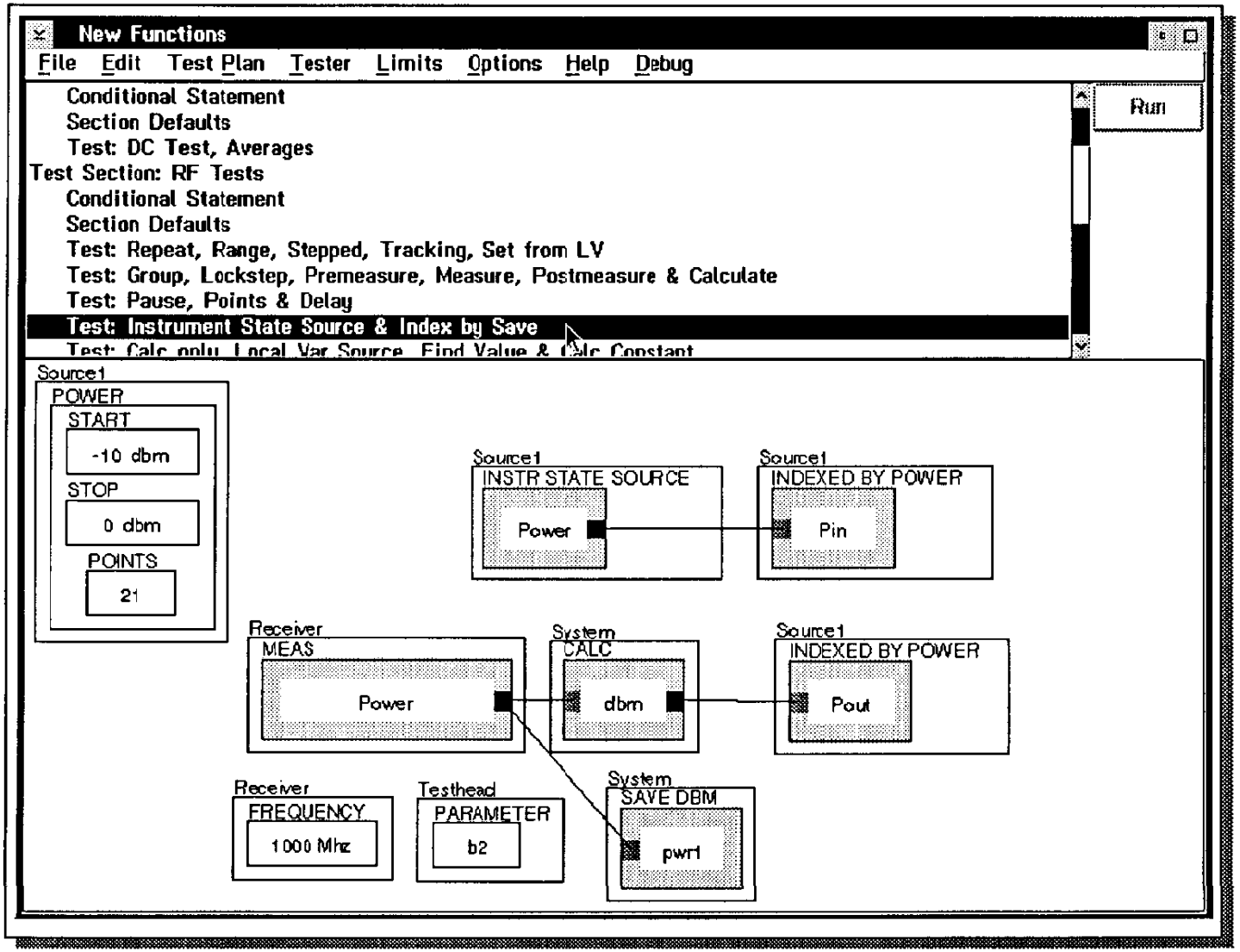
Button 2 Group Functions



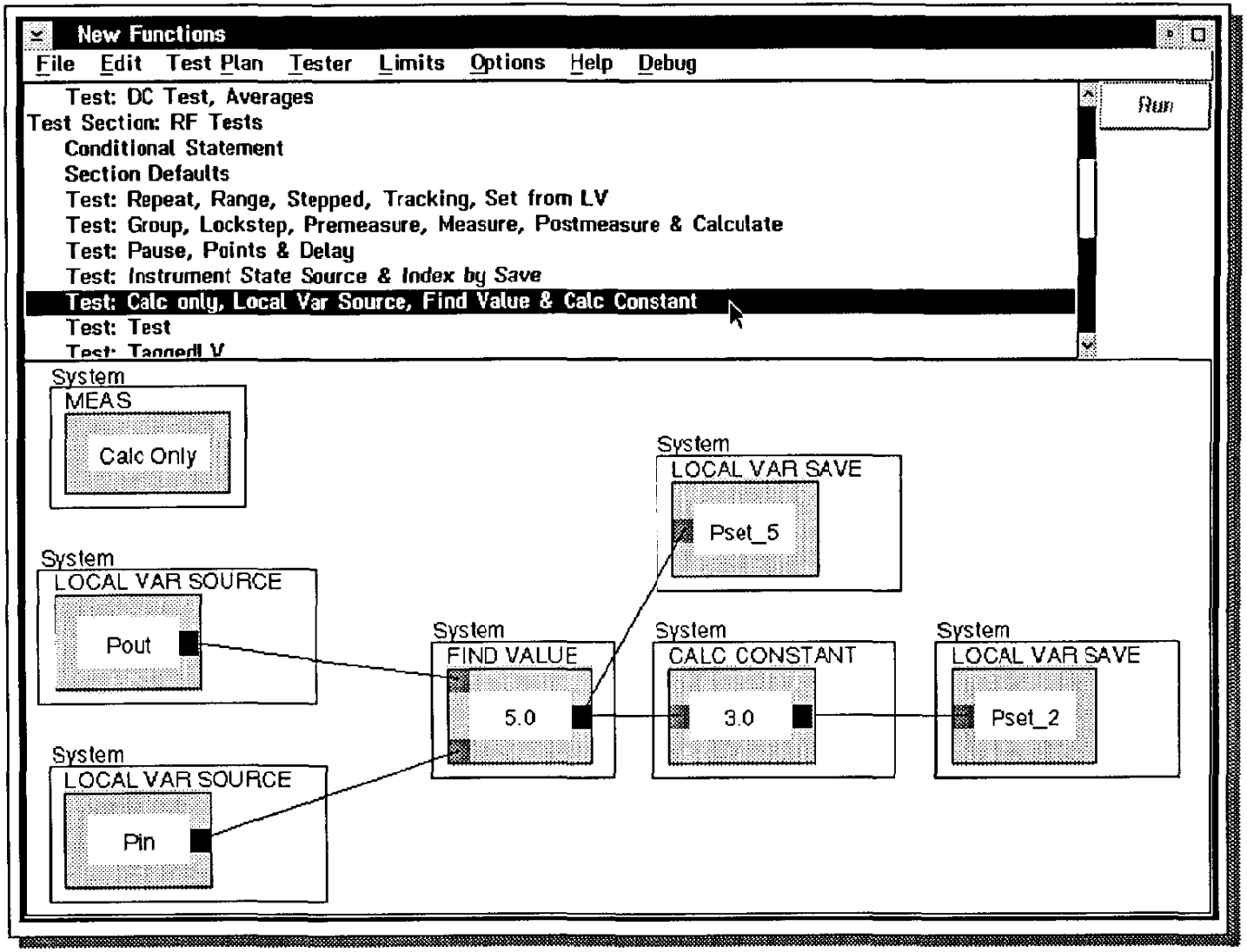
Group, Lockstep, Premeasure, Measure, Postmeasure & Calculate



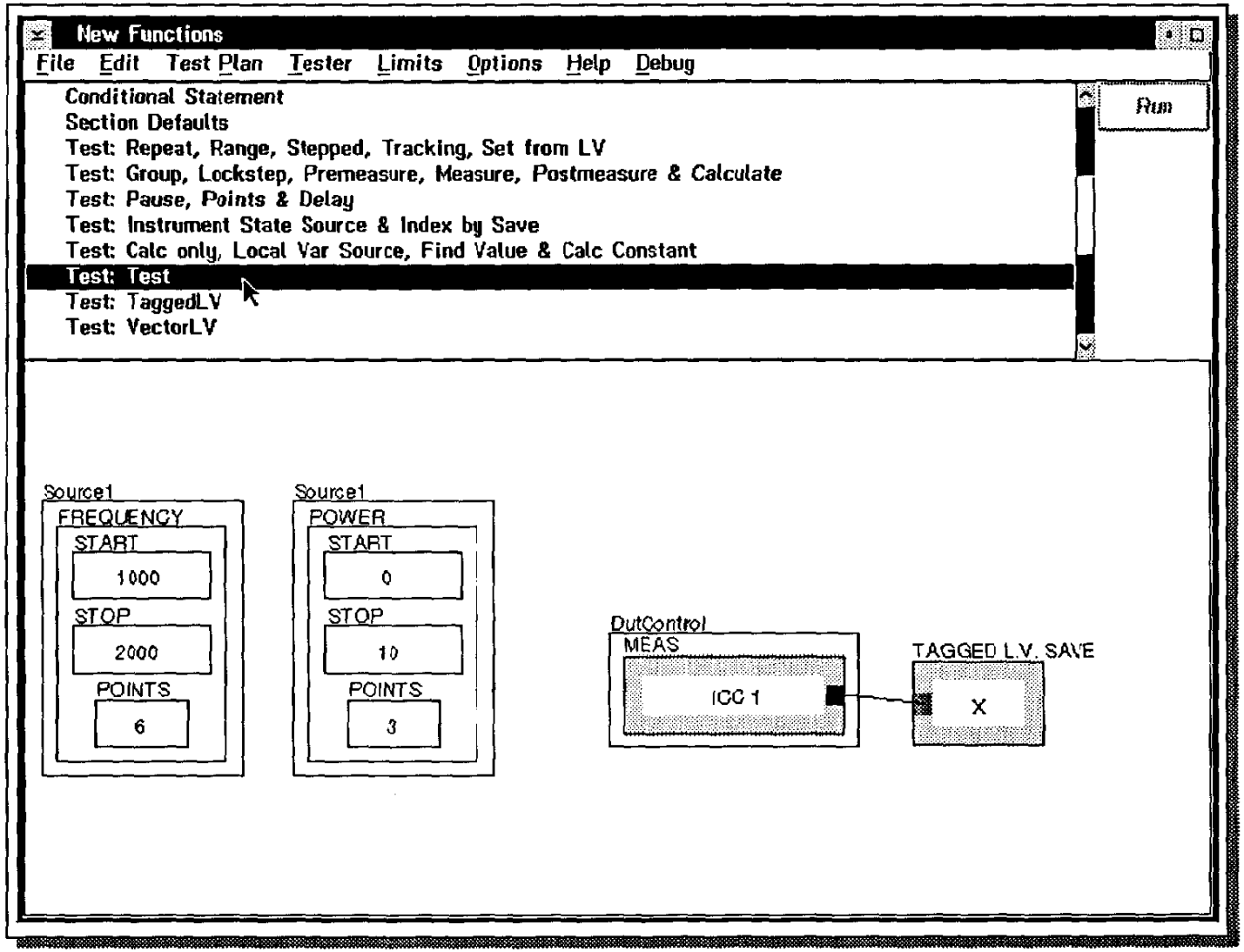
Searching for Desired Level: Instrument State Source & Index By LV Save



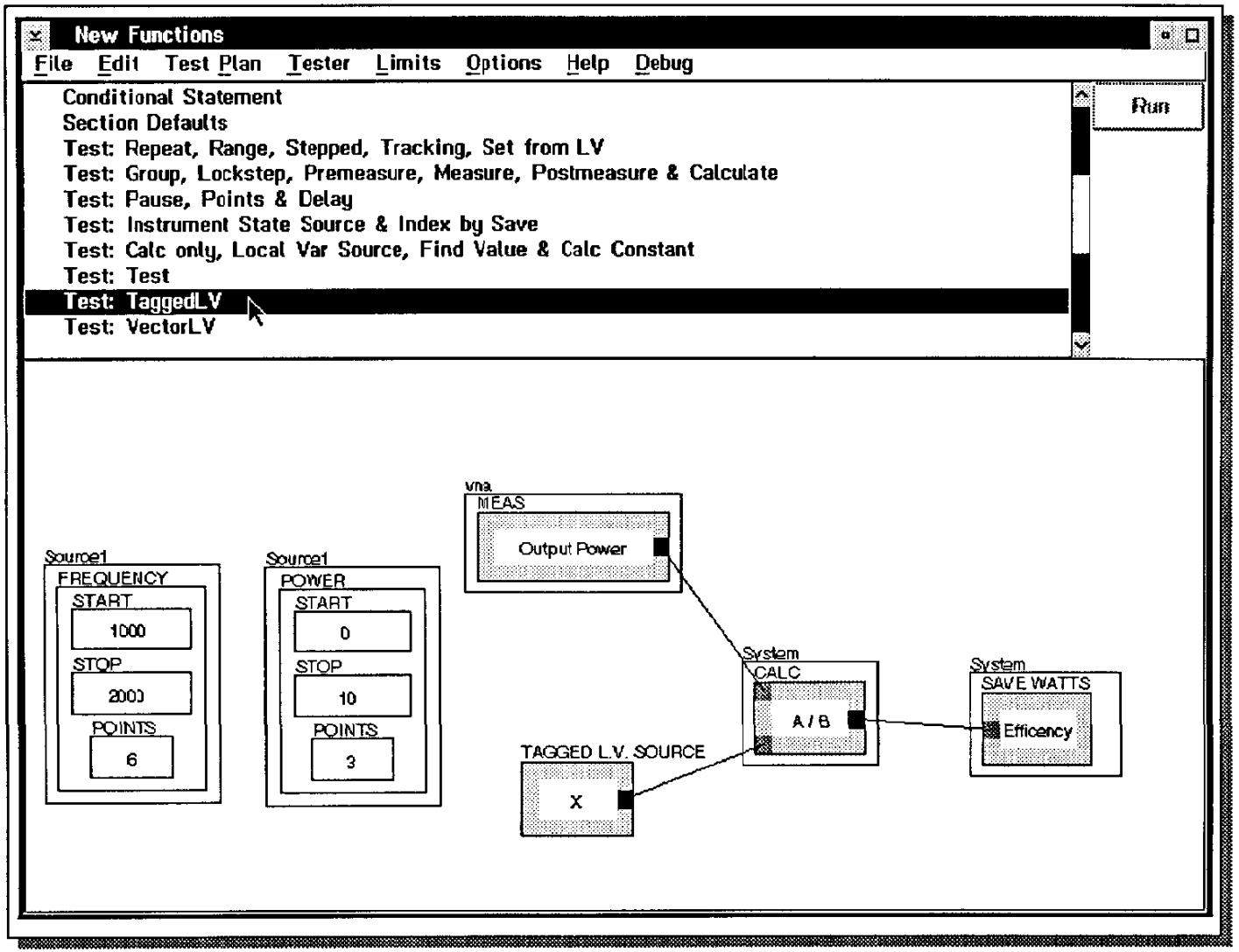
Finding Desired Signal: Local Var Source, Find Value, Calc Constant & LV Save



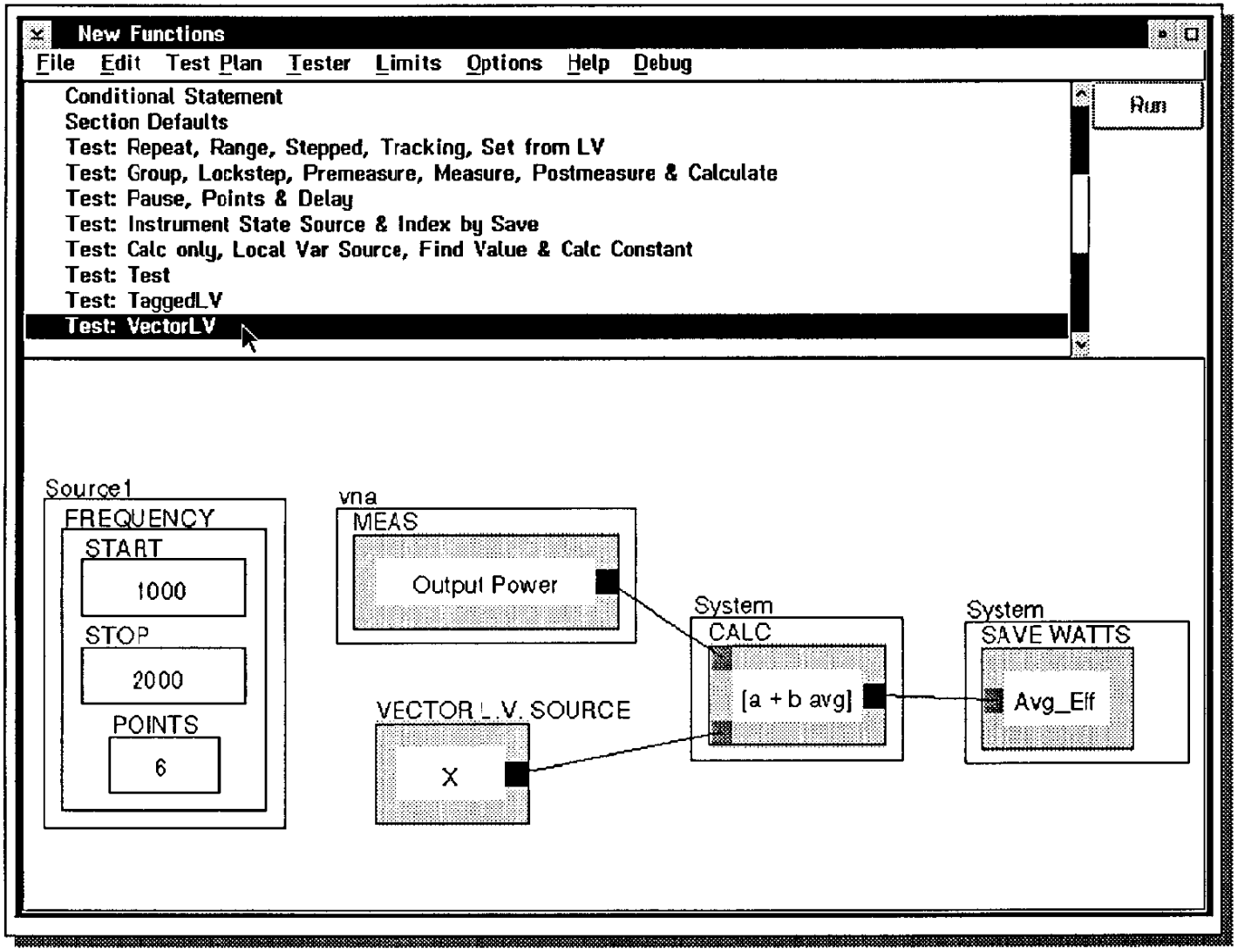
Tagged Local Variables & Tagged LV Save



Tagged Local Variables and Tagged LV Source

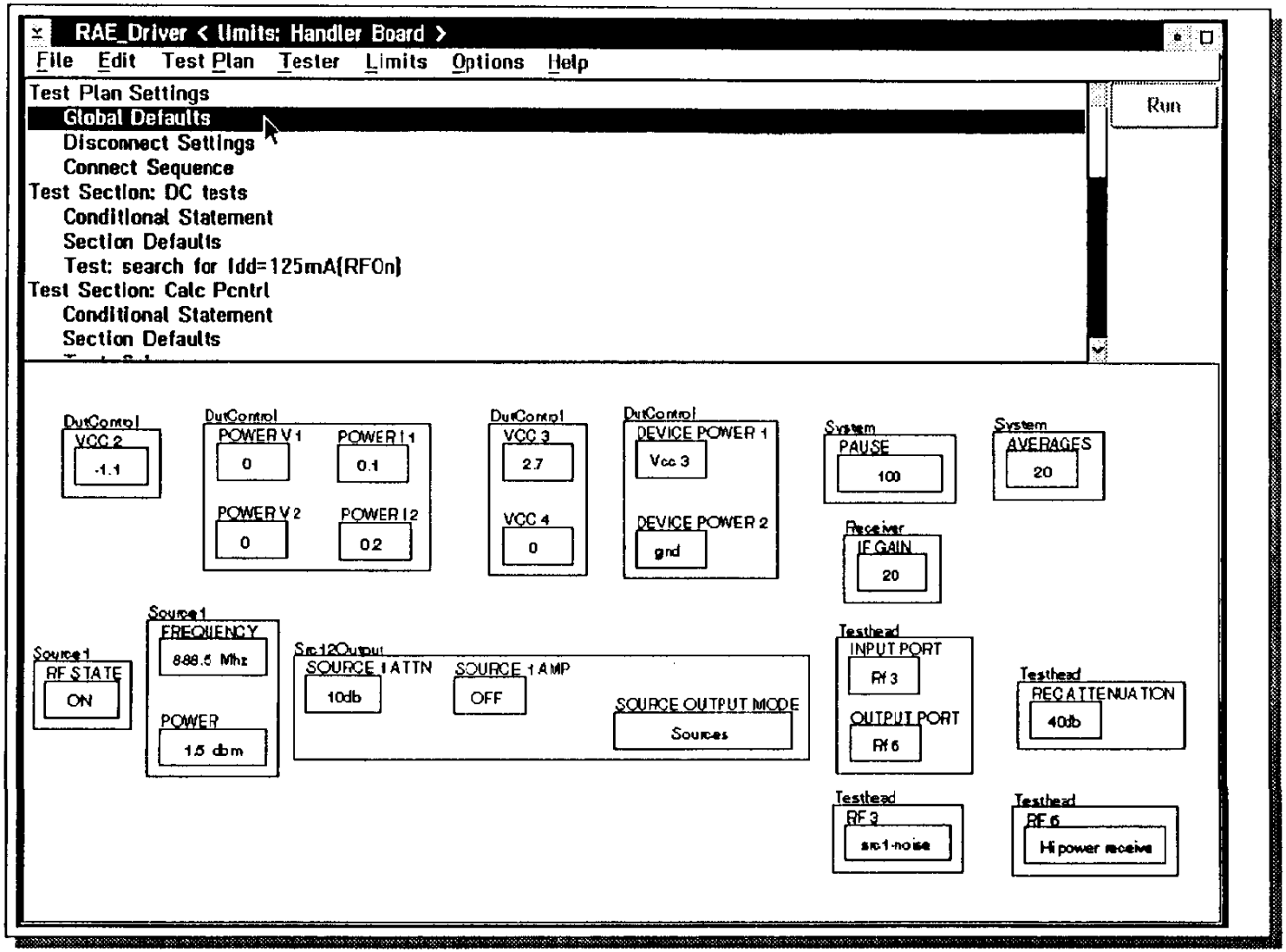


Vector Local Variables, Tagged Vector LV Source & Vector Calculations

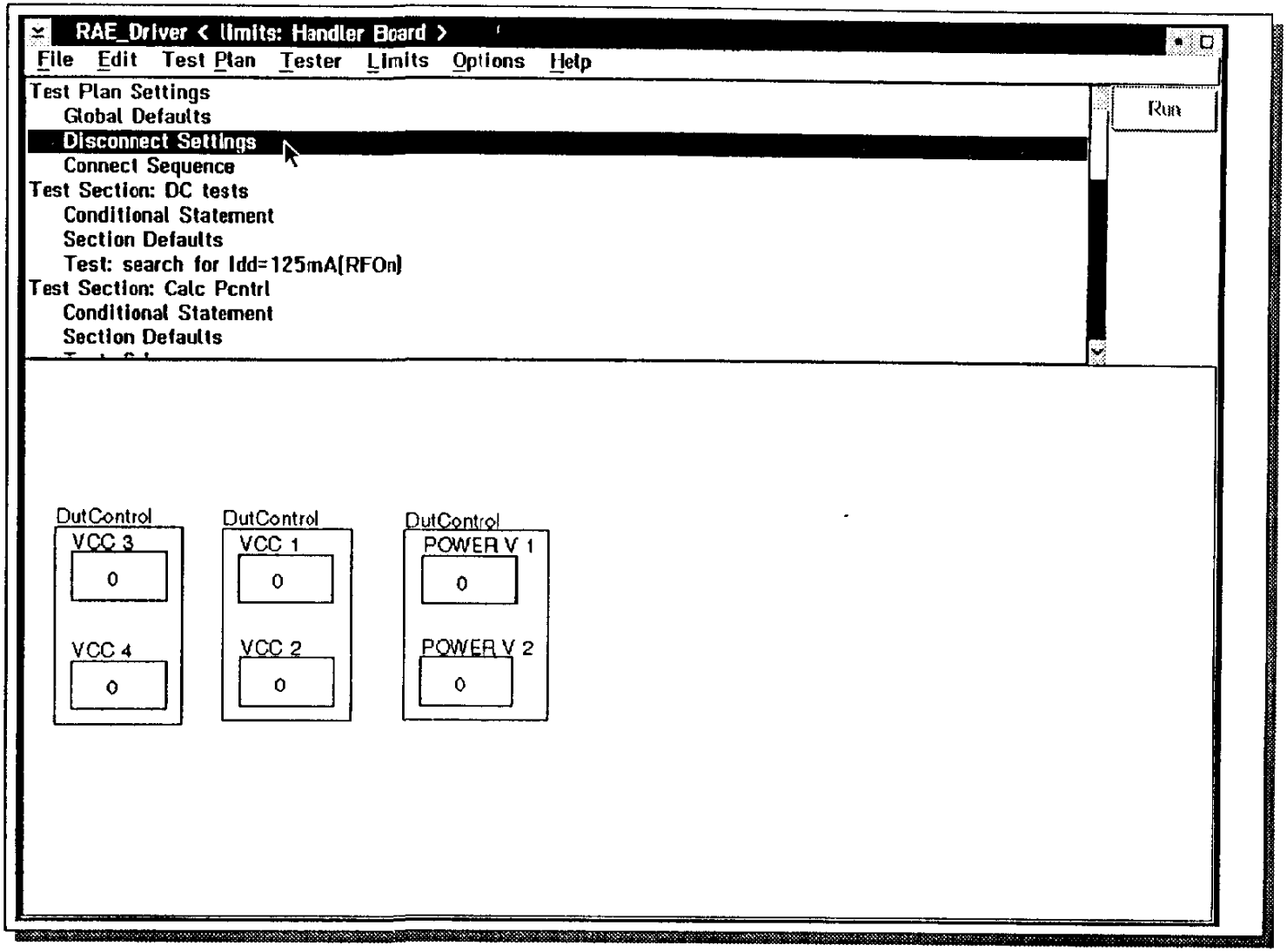


Typical Test Plan

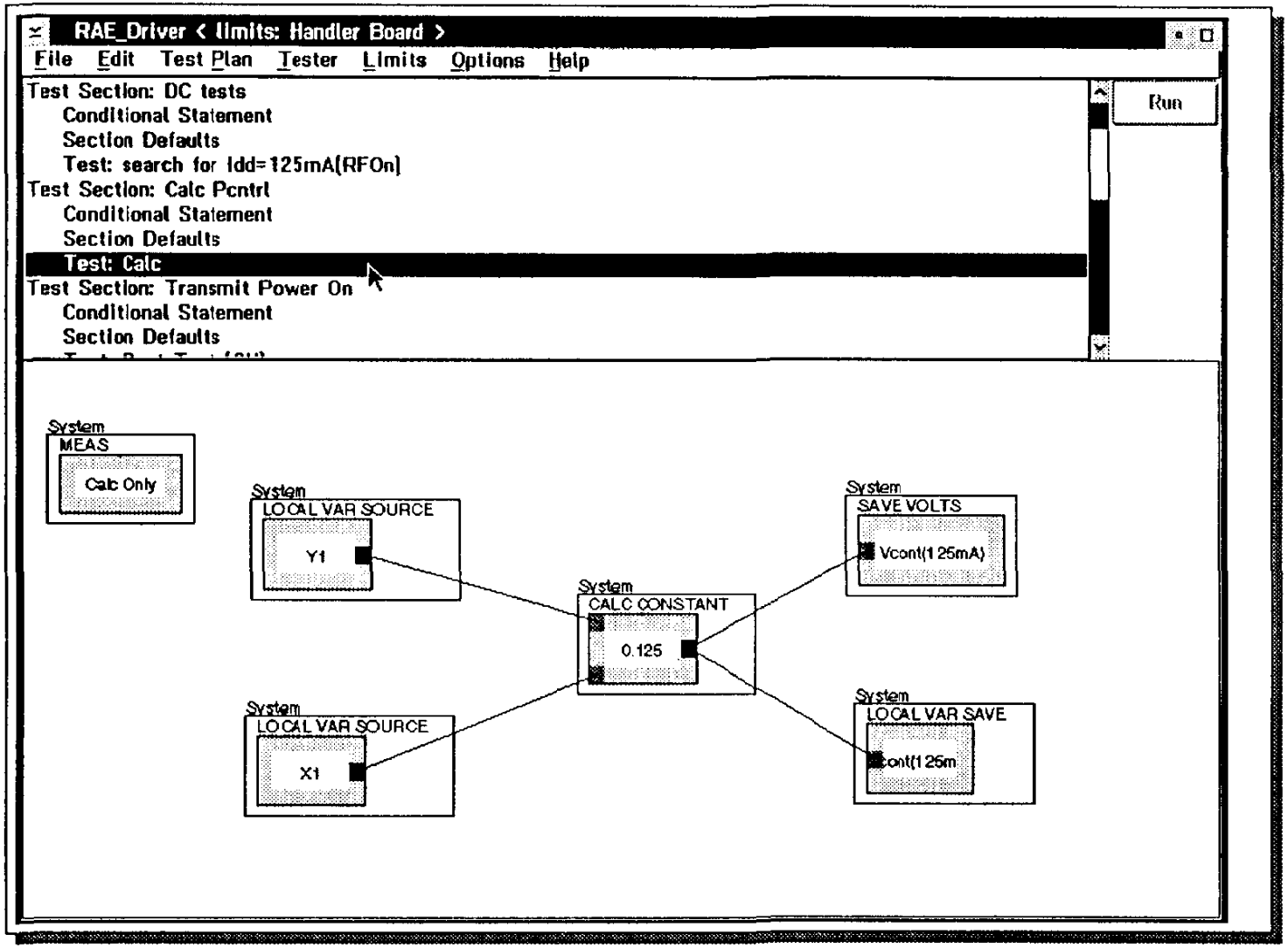
REA Driver Test Plan - Global Defaults



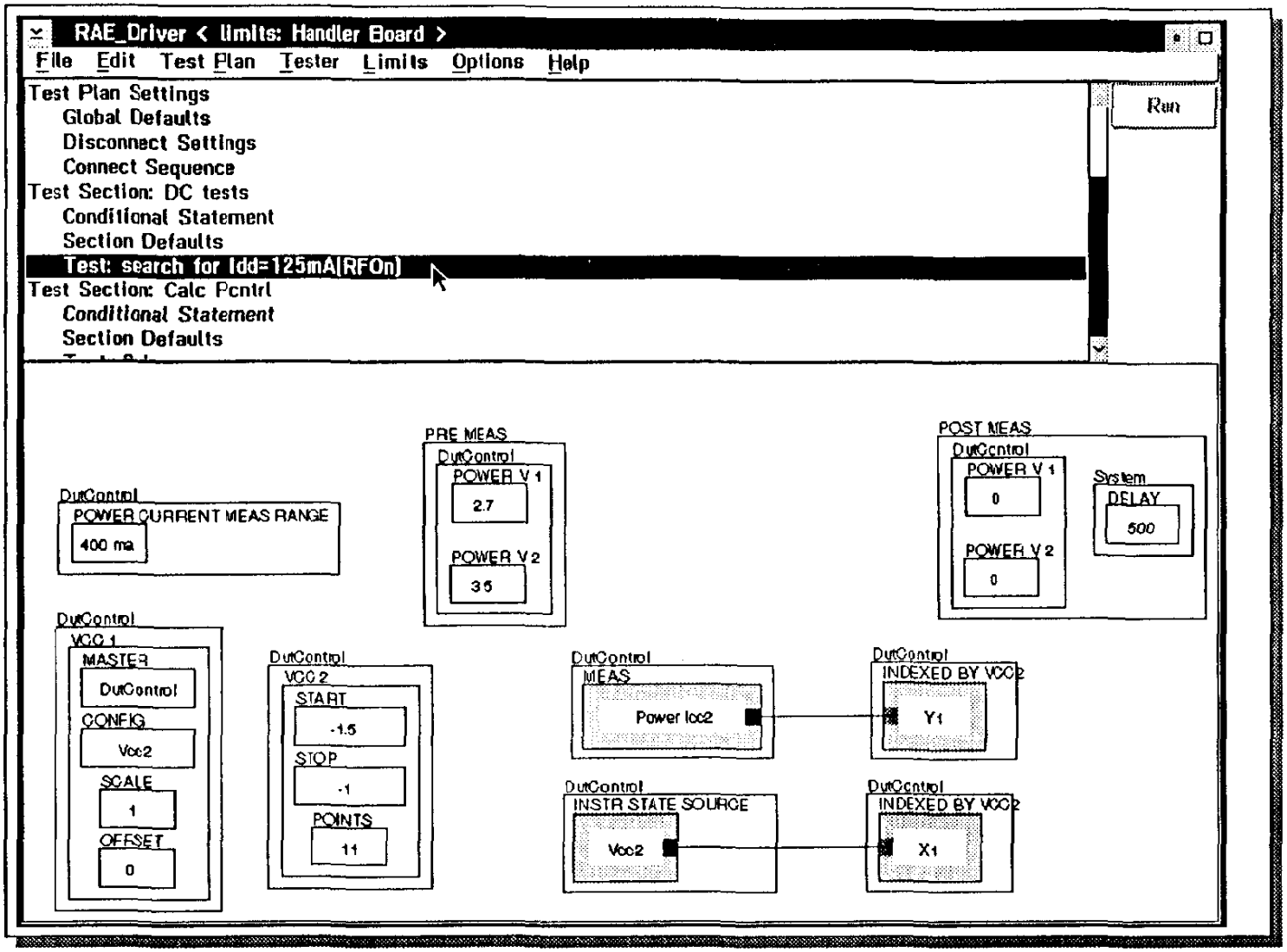
REA Driver Test Plan - Disconnect Settings



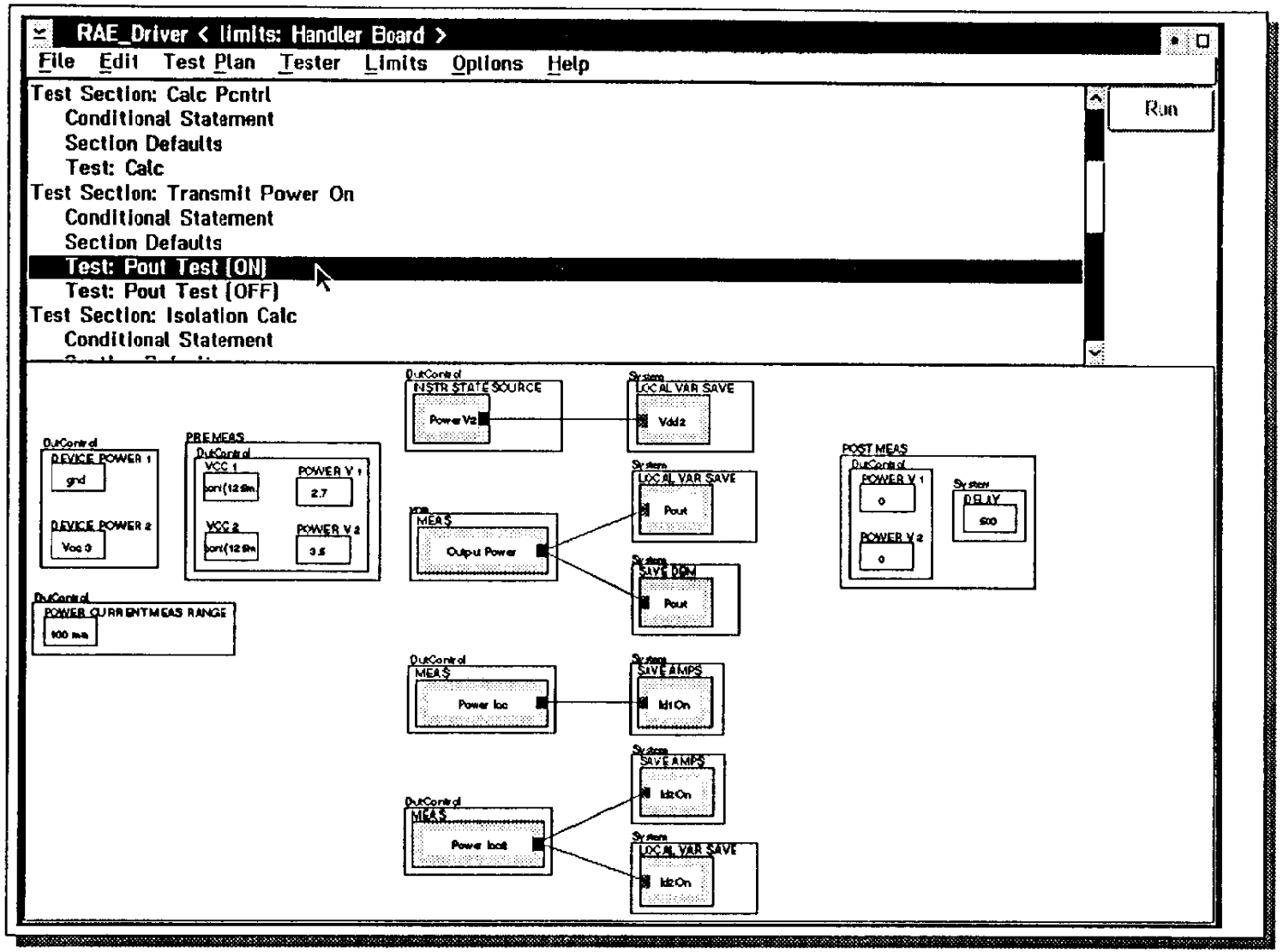
REA Driver Test Plan - Calculate Control Voltage (Vcont(125mA))



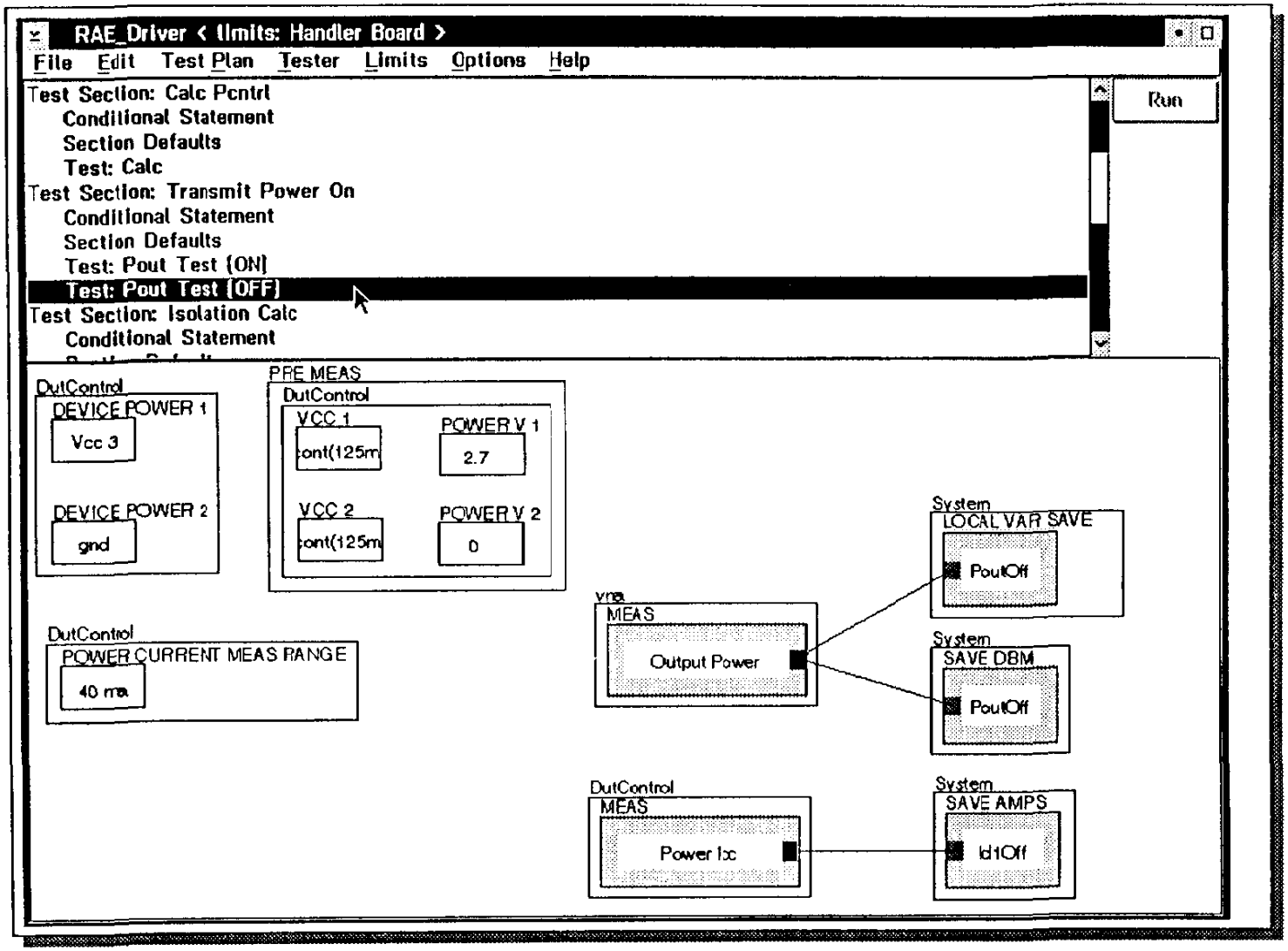
REA Driver Test Plan - Test: Search for Idd = 125 mA (RF On)



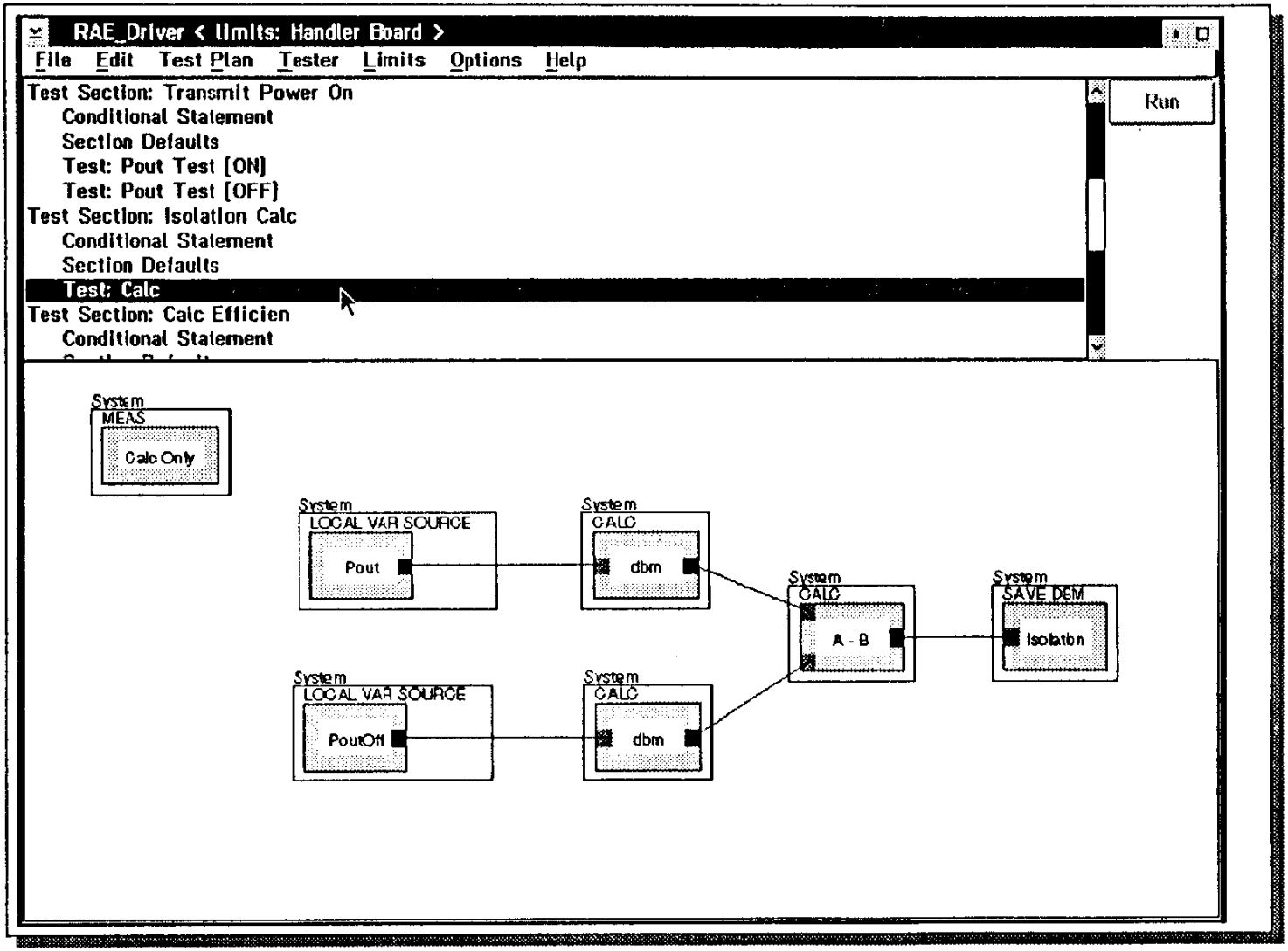
REA Driver Test Plan - Test Panel: Pout Test (ON)



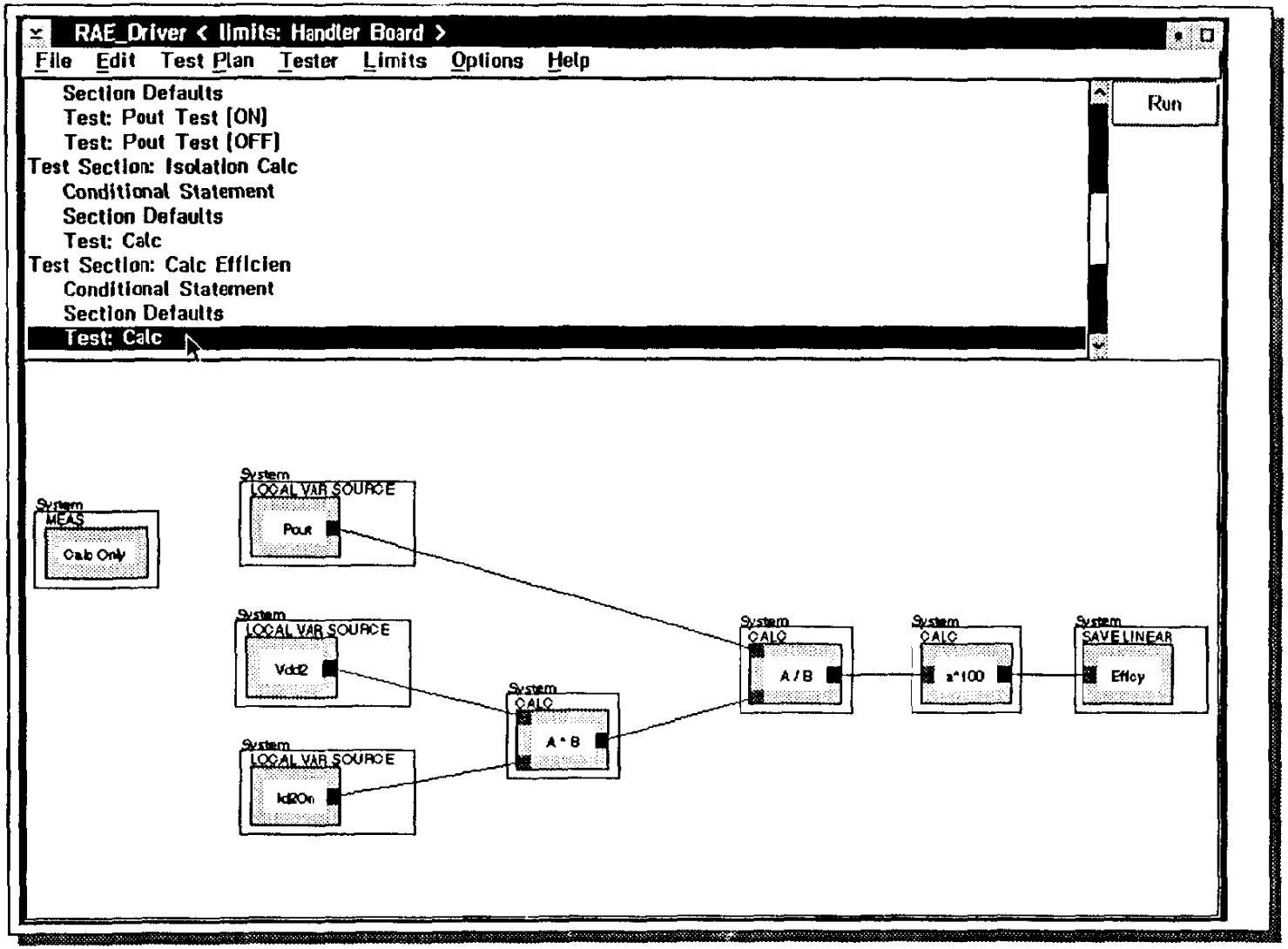
REA Driver Test Plan - Test Panel: Pout Test (OFF)



REA Driver Test Plan - Test Panel: Calculating Isolation

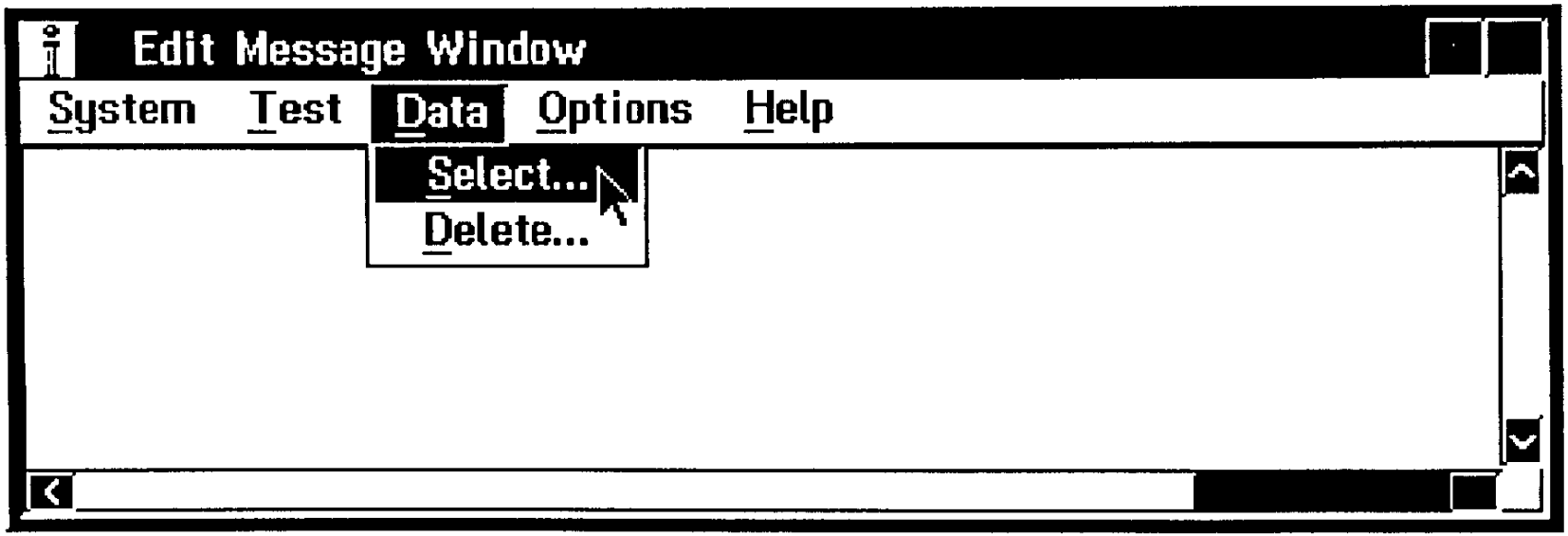


REA Driver Test Plan - Calculating Efficiency

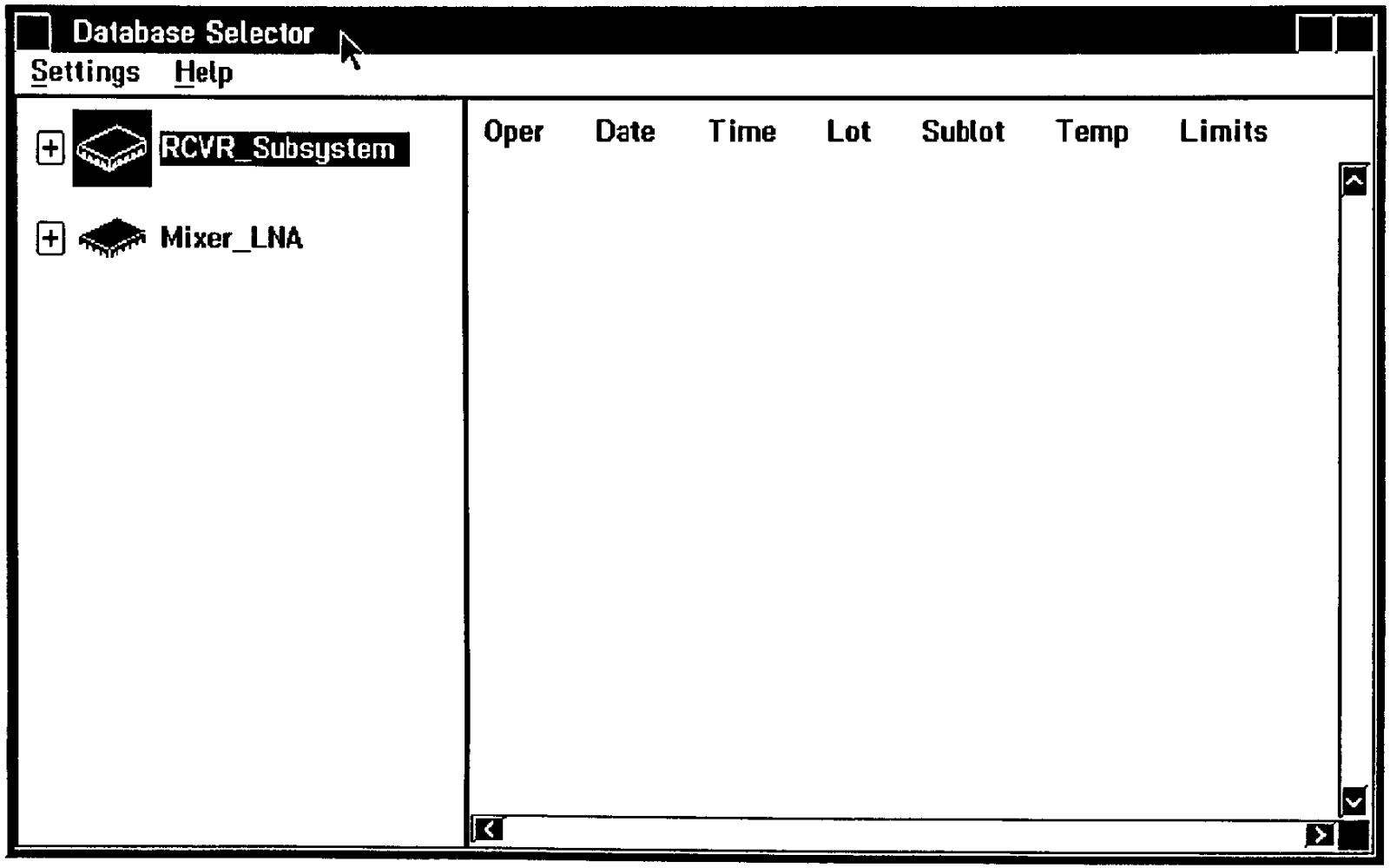


Local SQL Data Base Tools

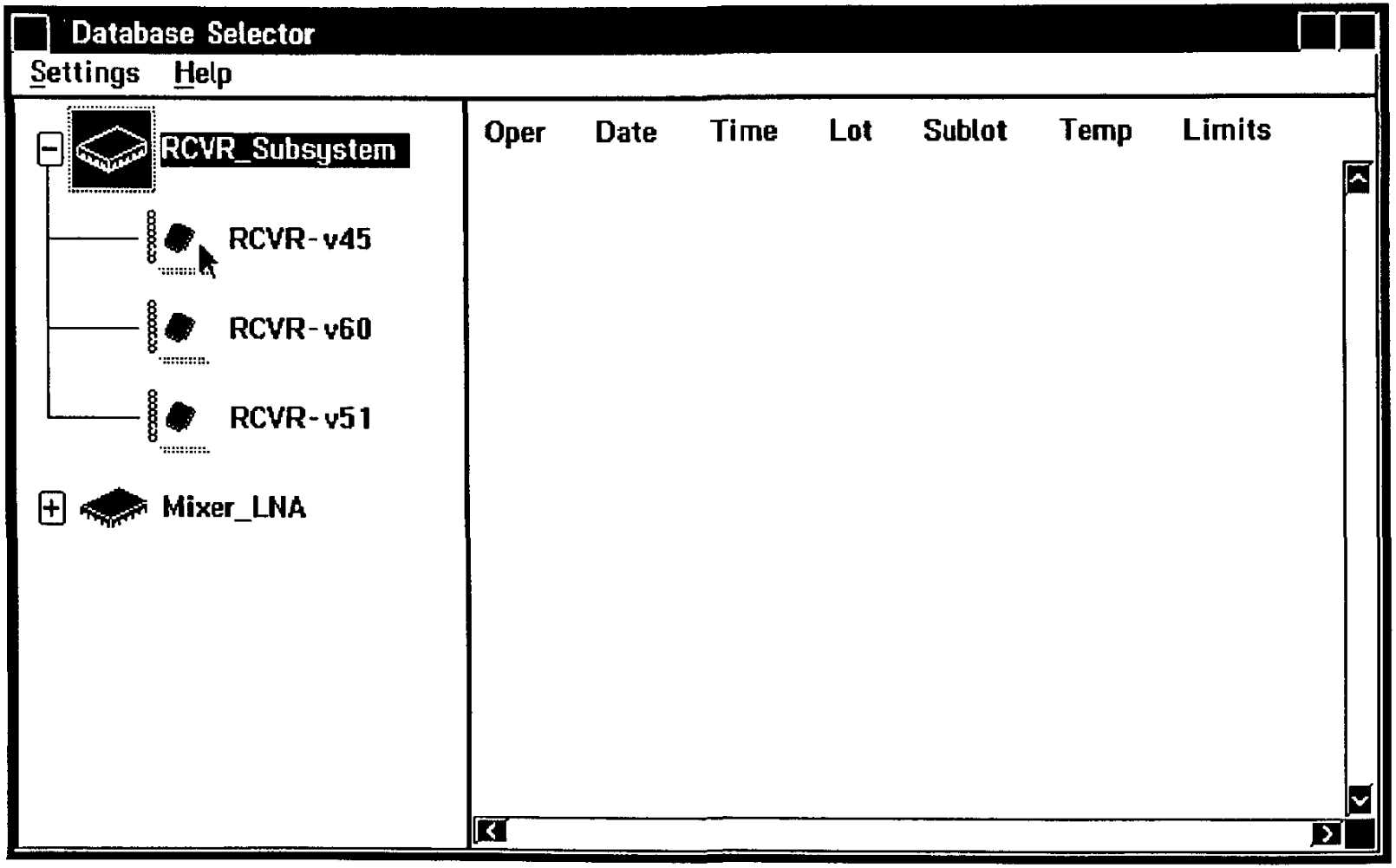
Opening the Data Base Selector Window



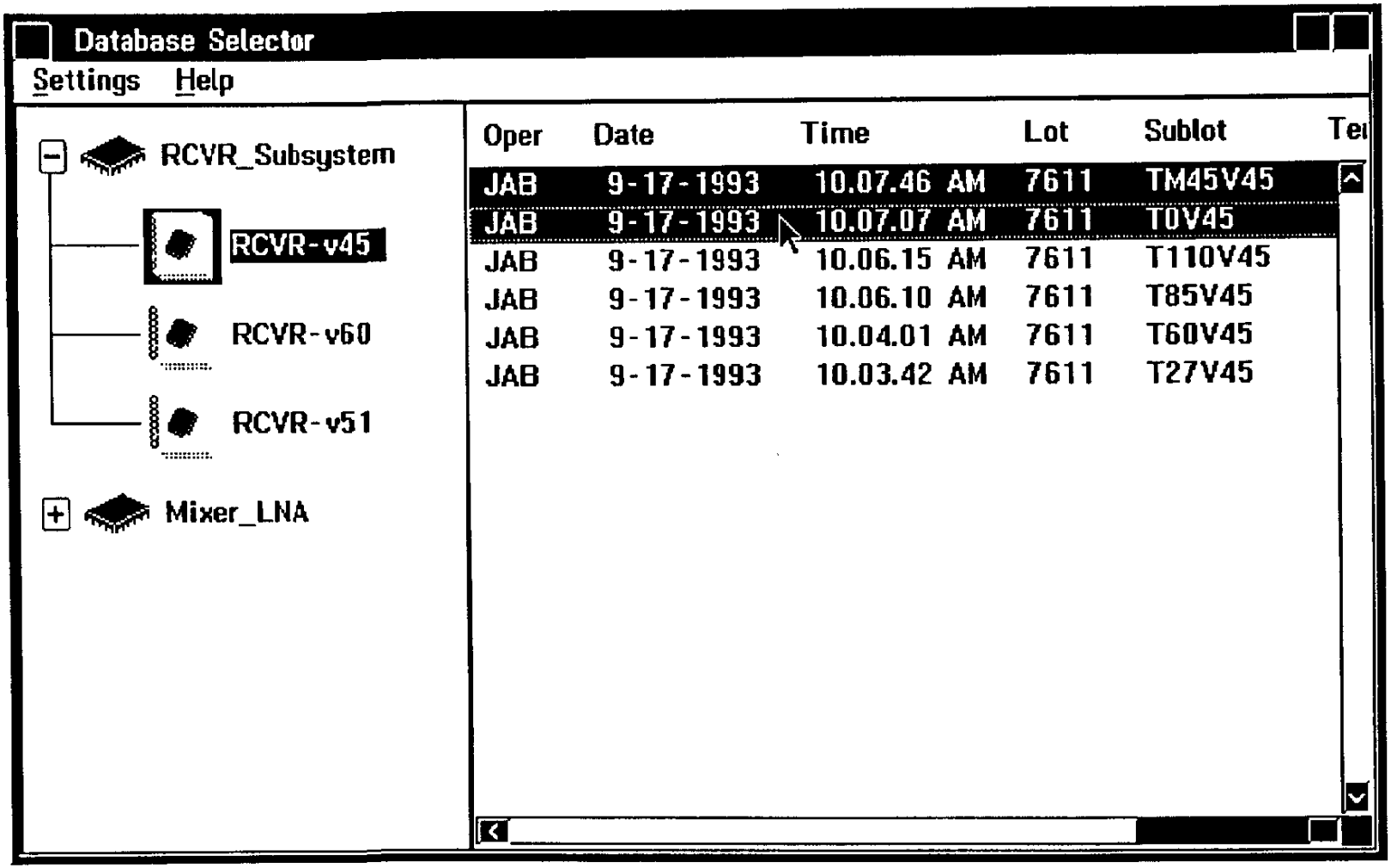
Data Base Selector Window



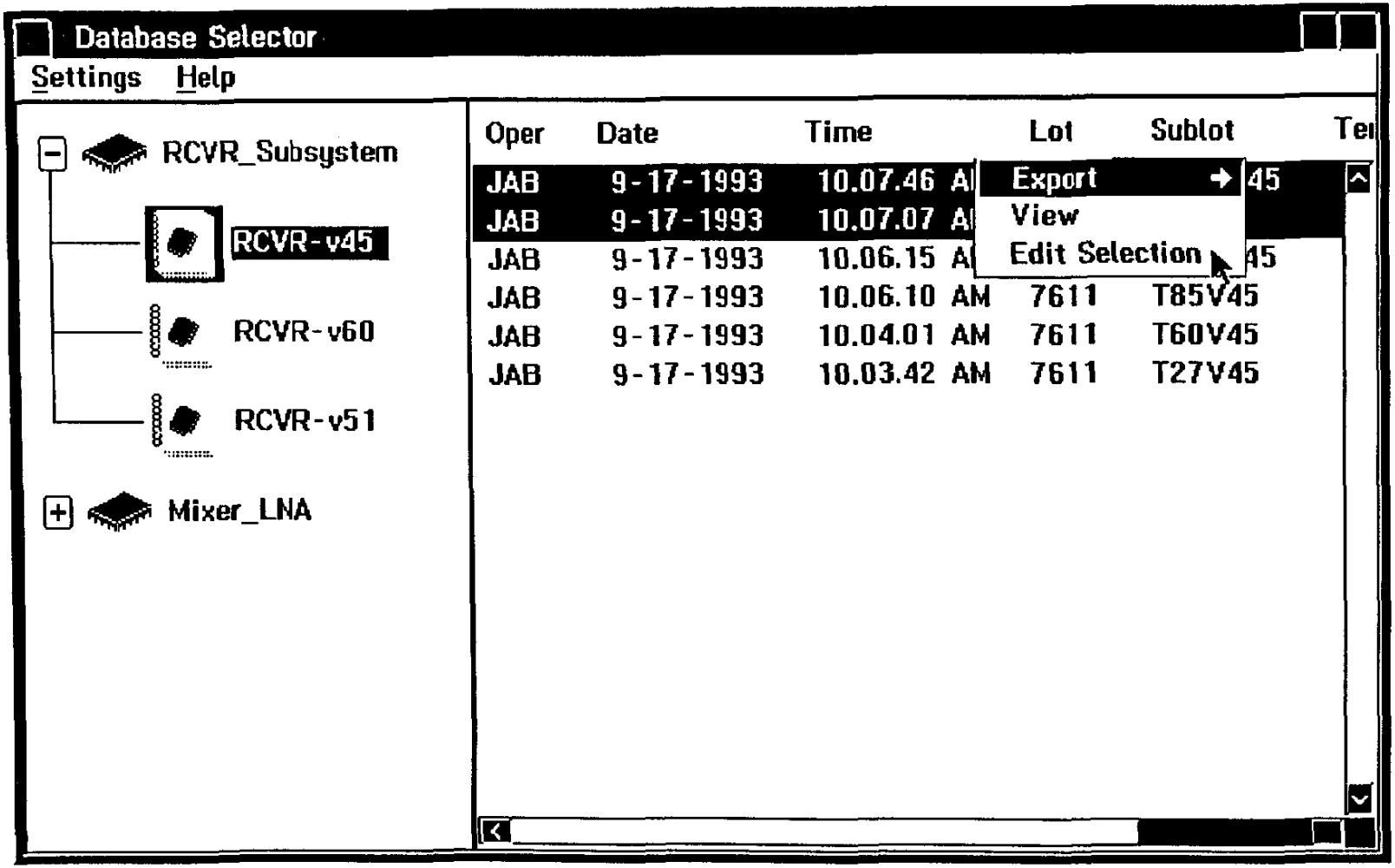
Selecting a DUT and Test Plan



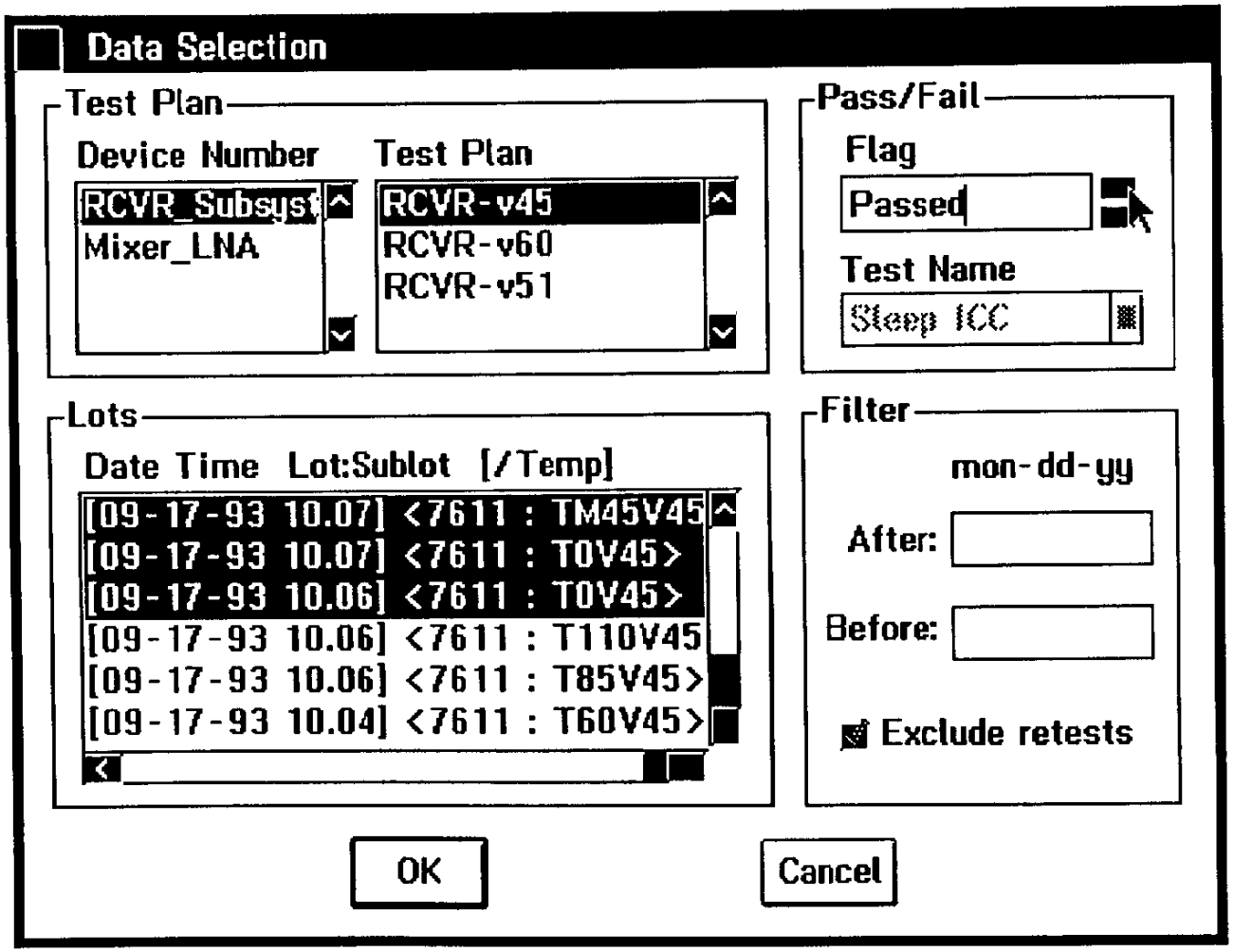
Selecting the Lot(s) & Sublot(s)



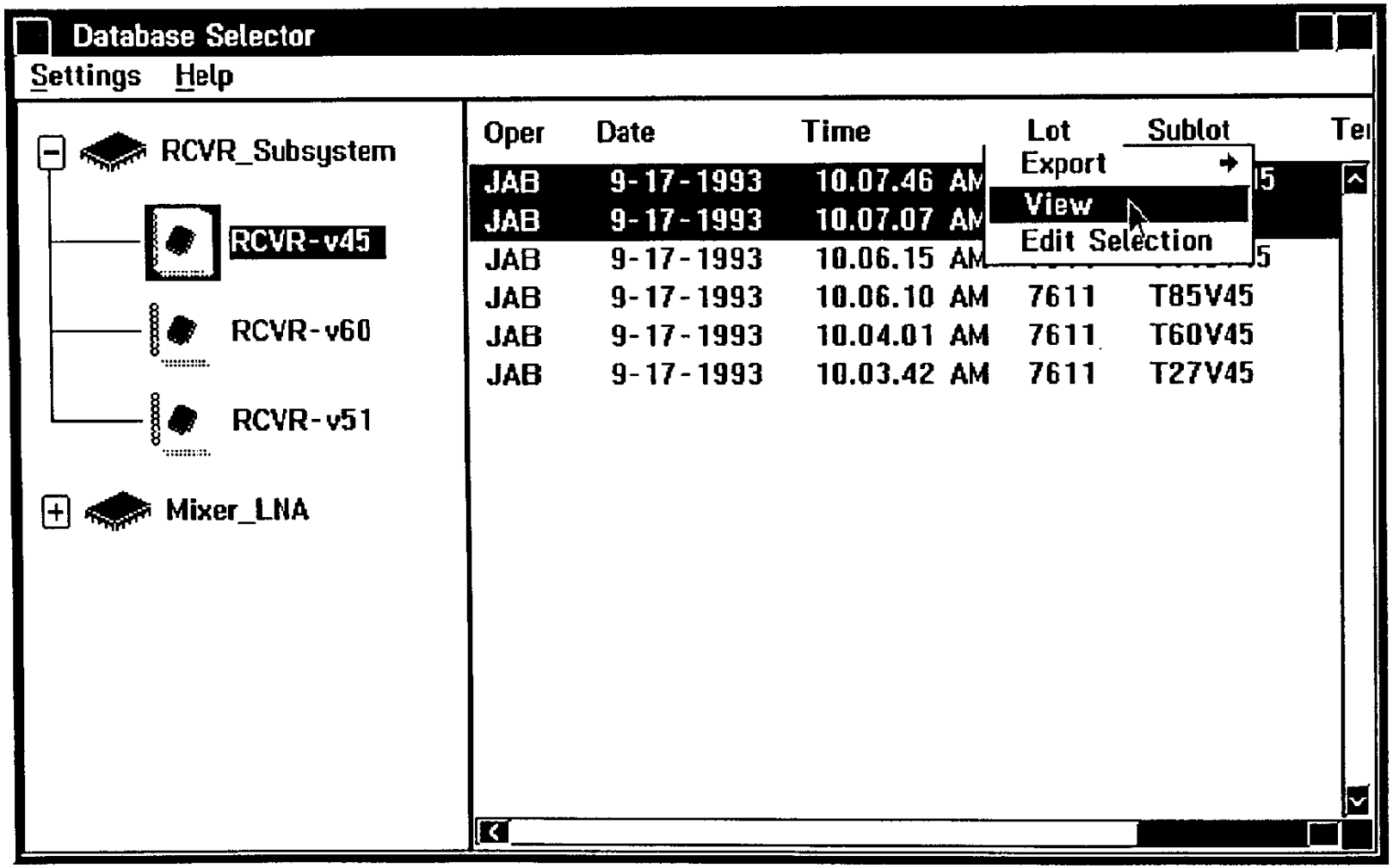
Opening the Data Selection Window



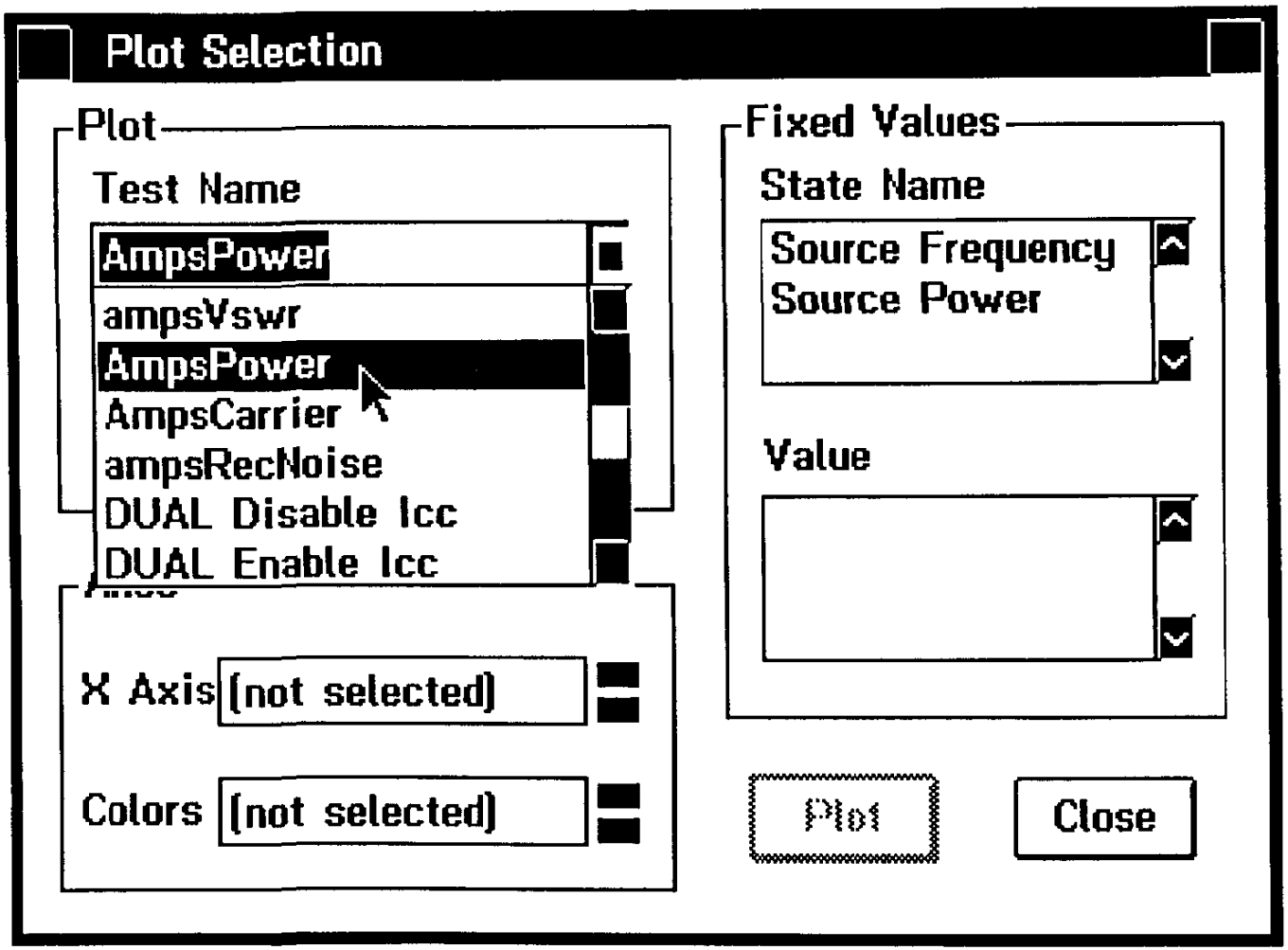
Selecting the Pass/Fail Filter



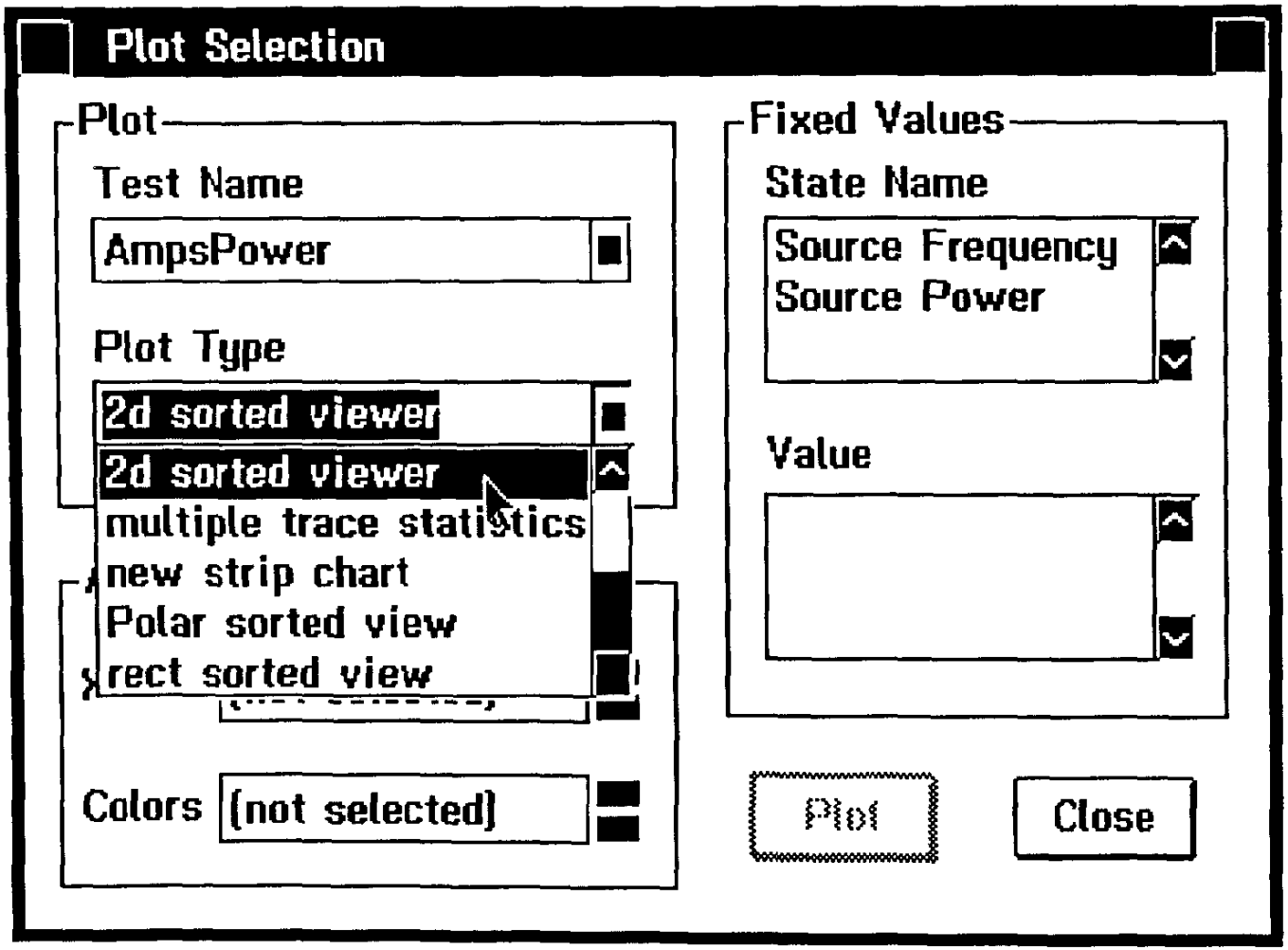
Viewing the Lot(s) & Sublot(s) Selected



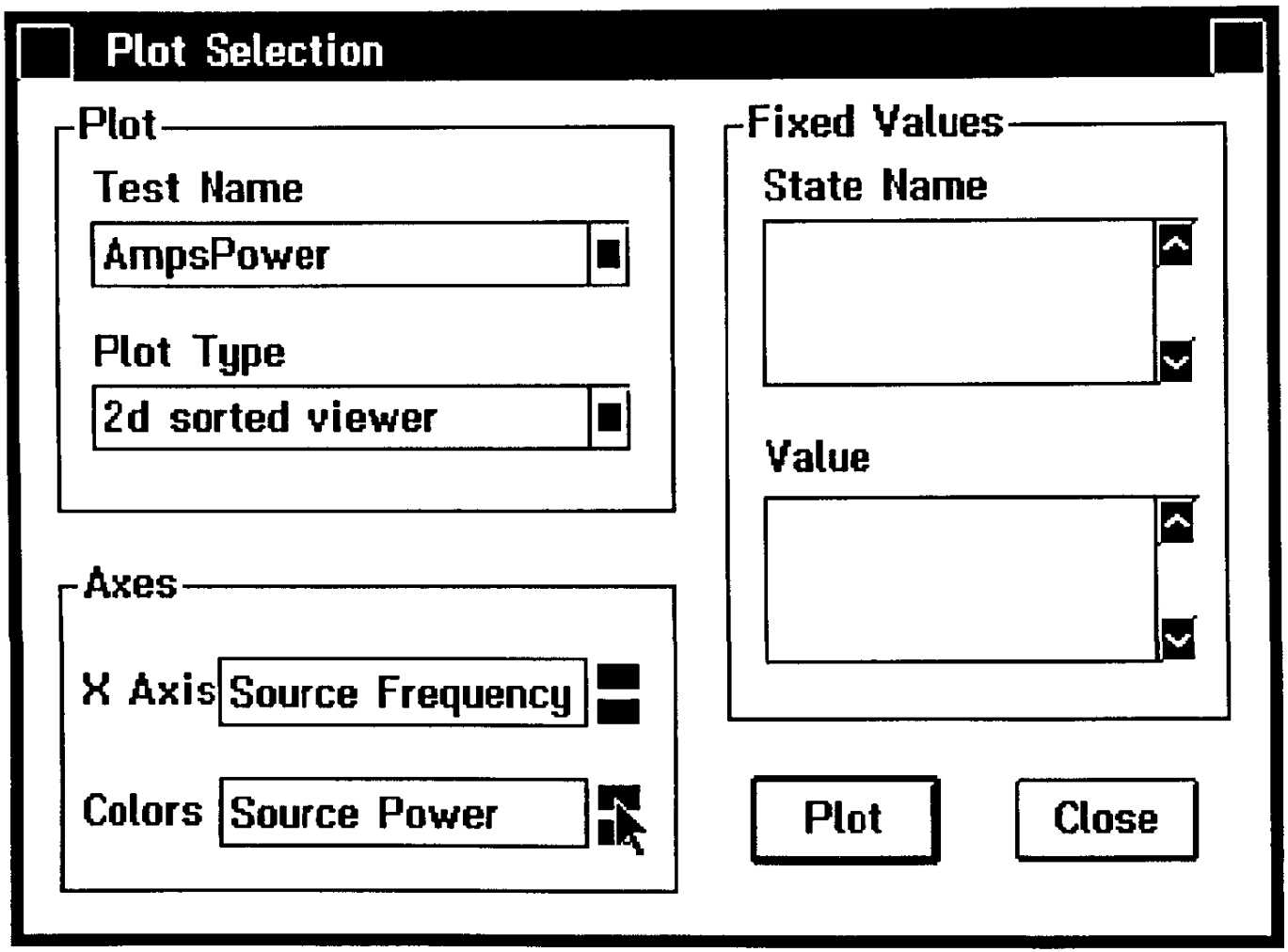
Selecting the Test Name (Data Save Name)



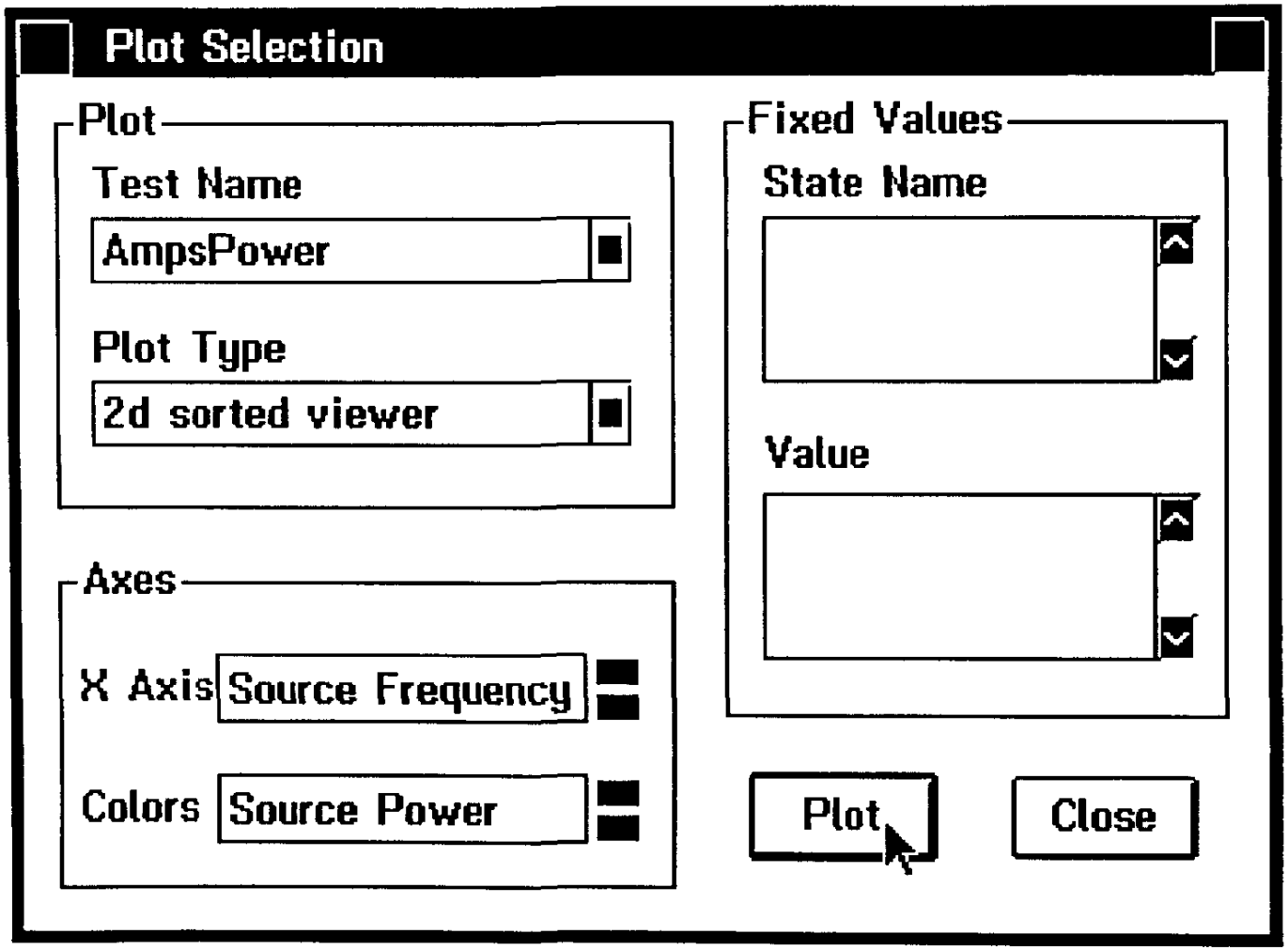
Selecting the Plot Type (Data Viewer)



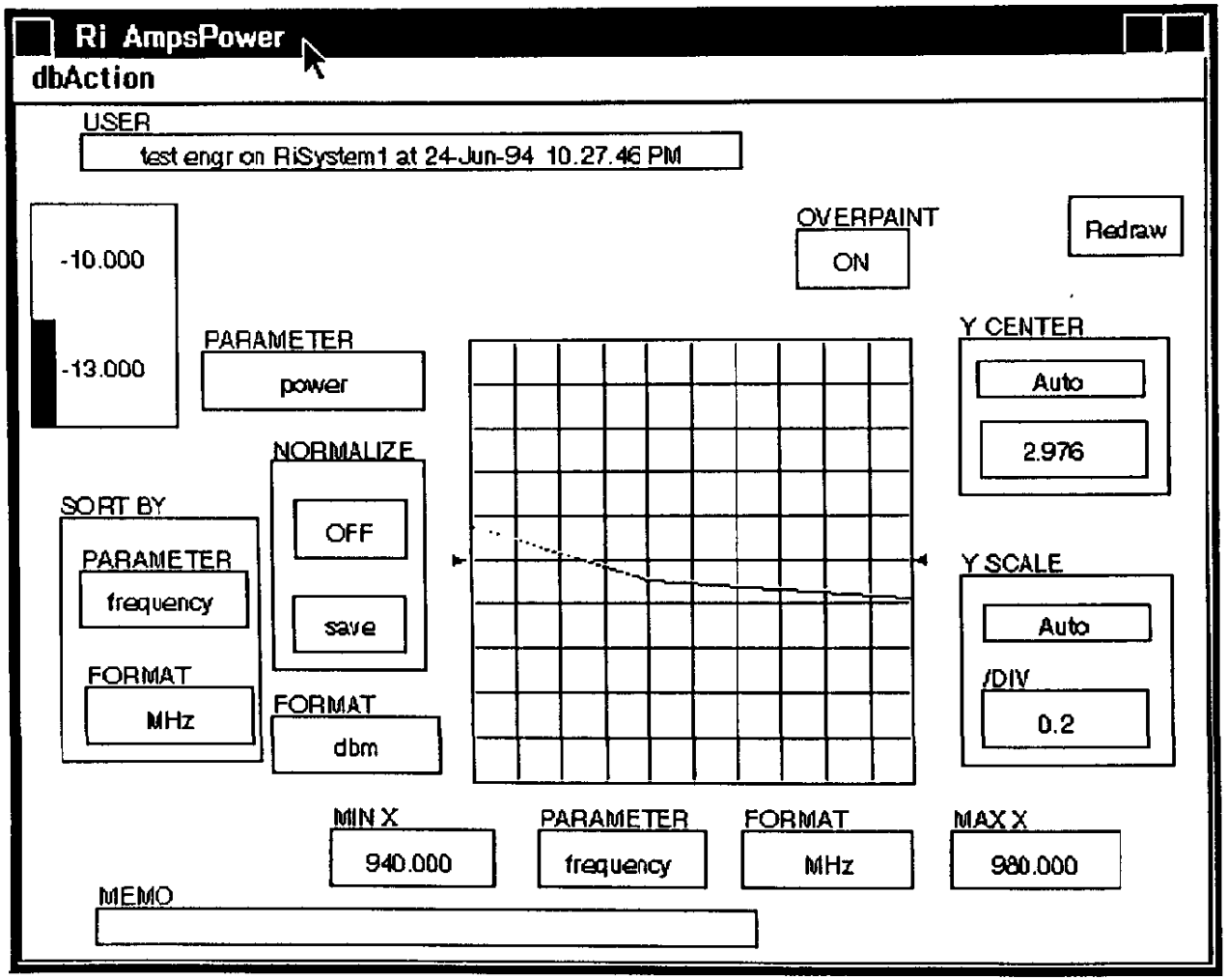
Selecting the X Axis & Colors Parameters



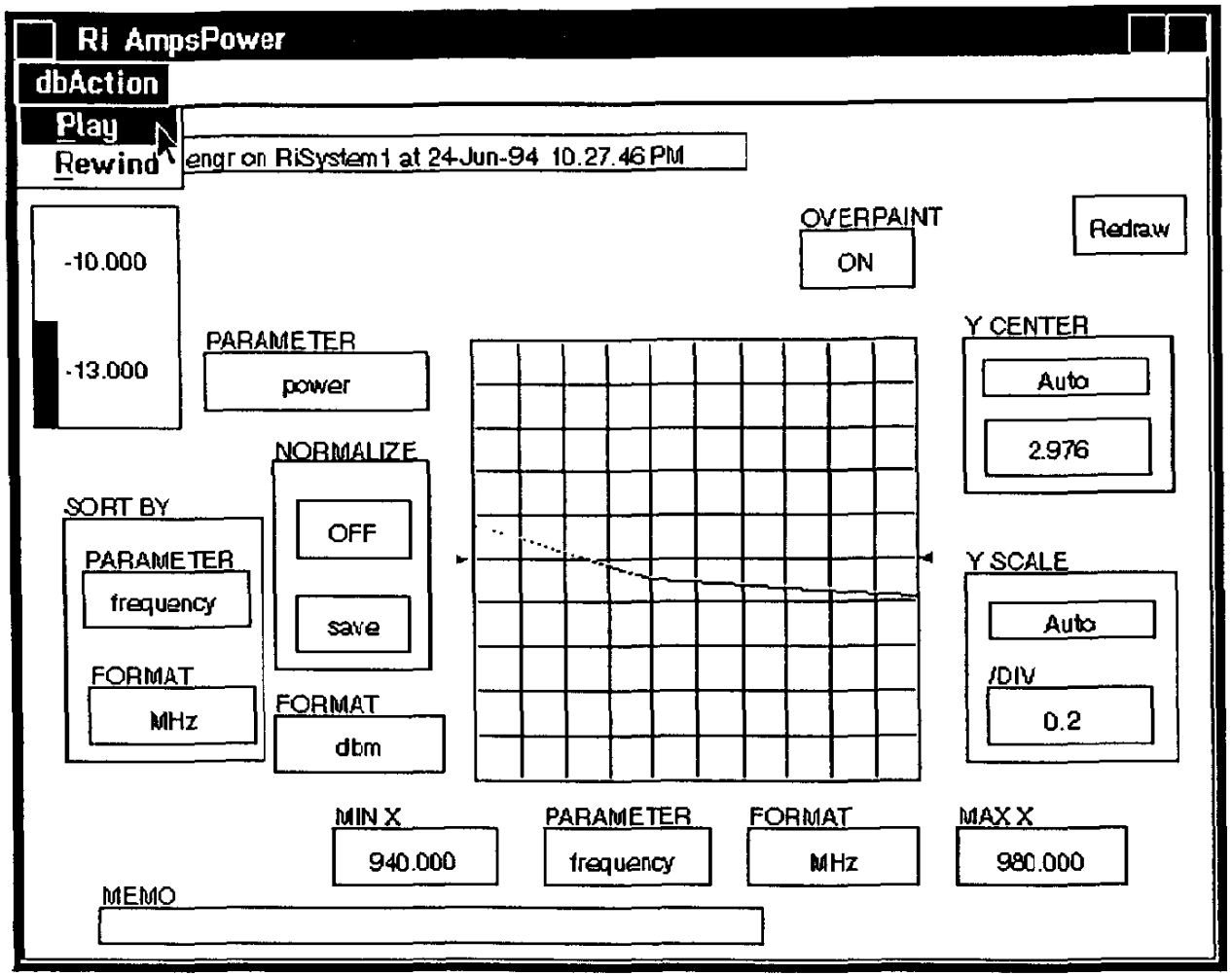
Opening the Data Viewer



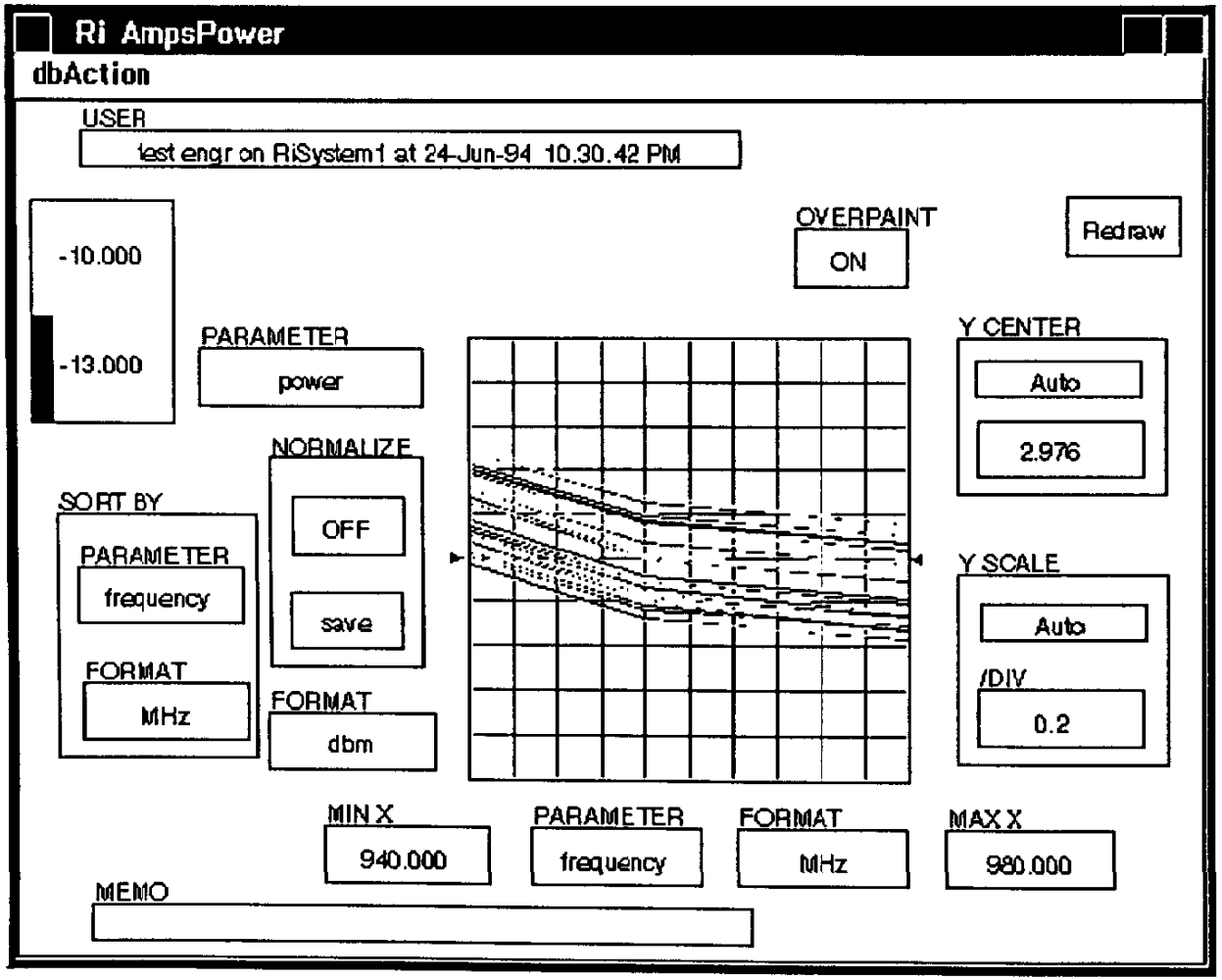
Viewing the Data



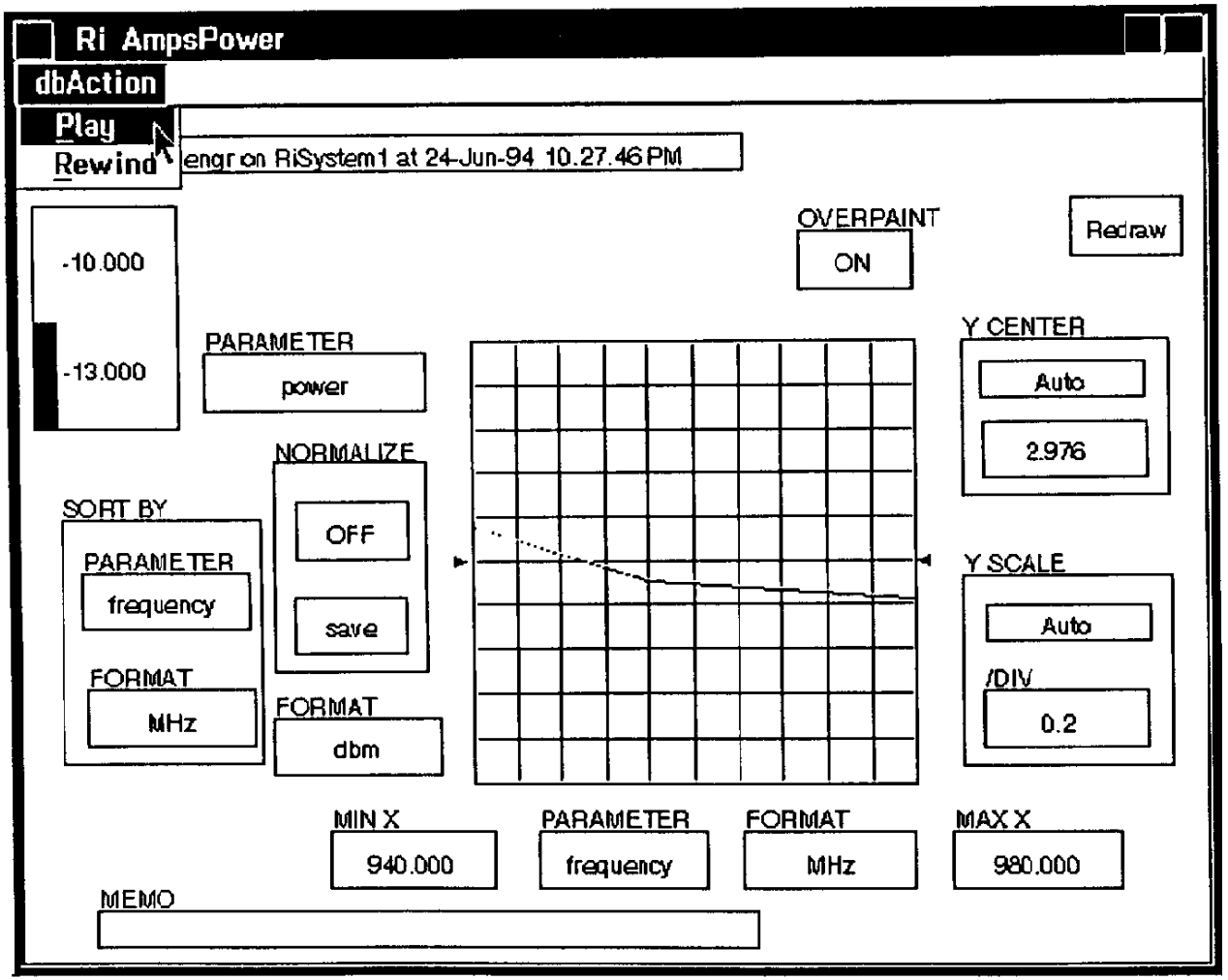
Read the Data from Data Base



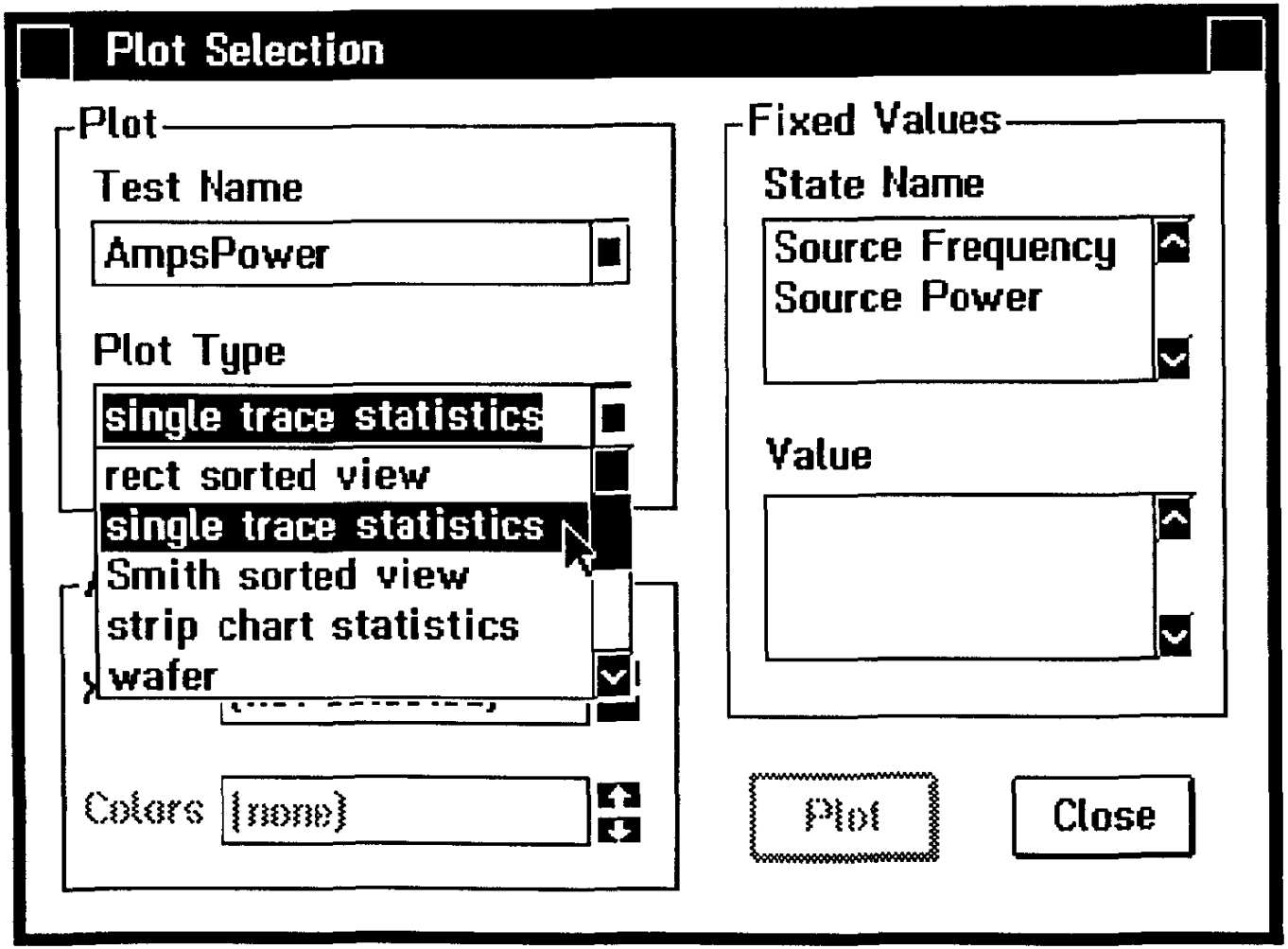
Displaying the Data for the Devices Selected



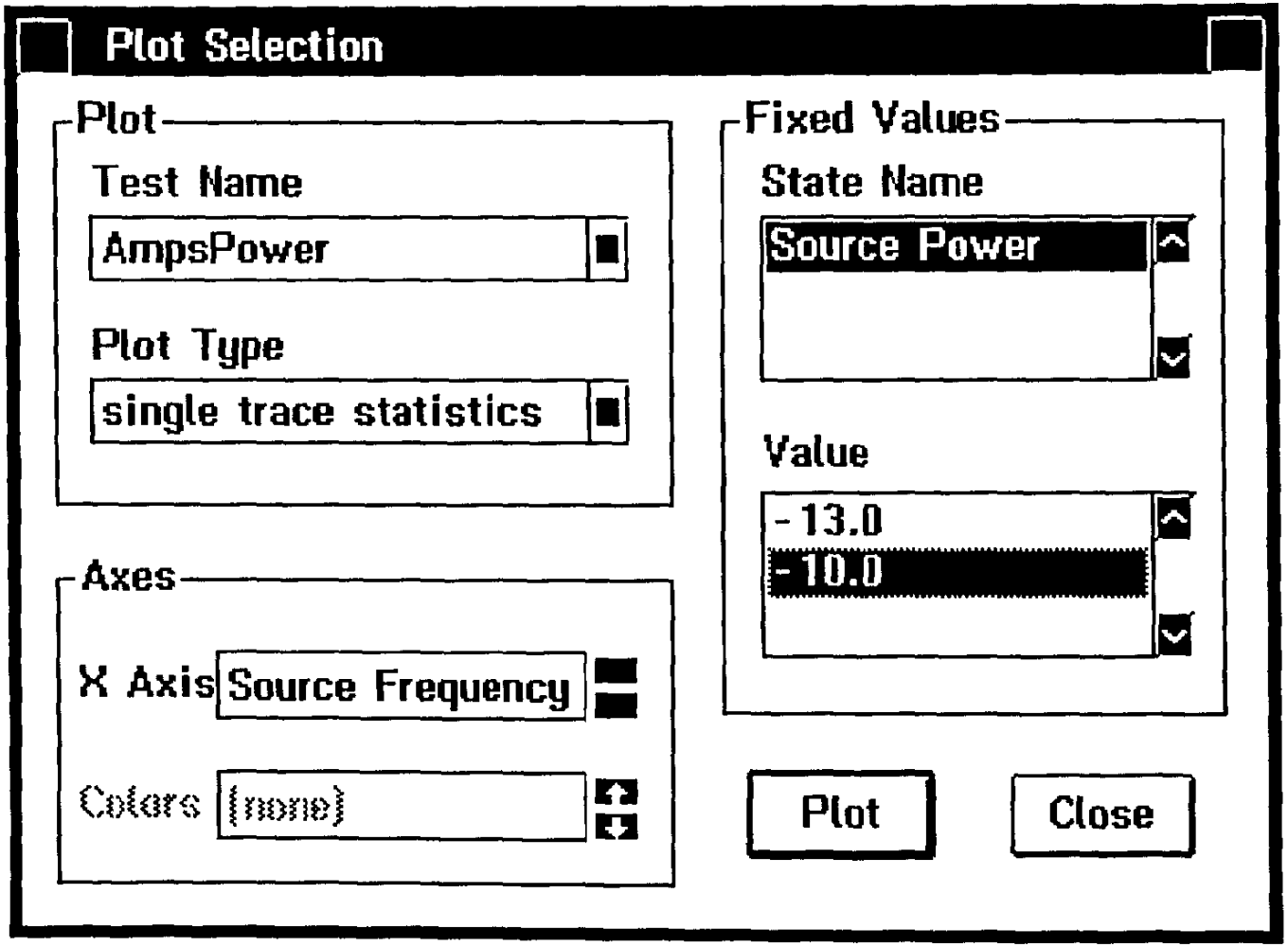
Read the Data from Data Base



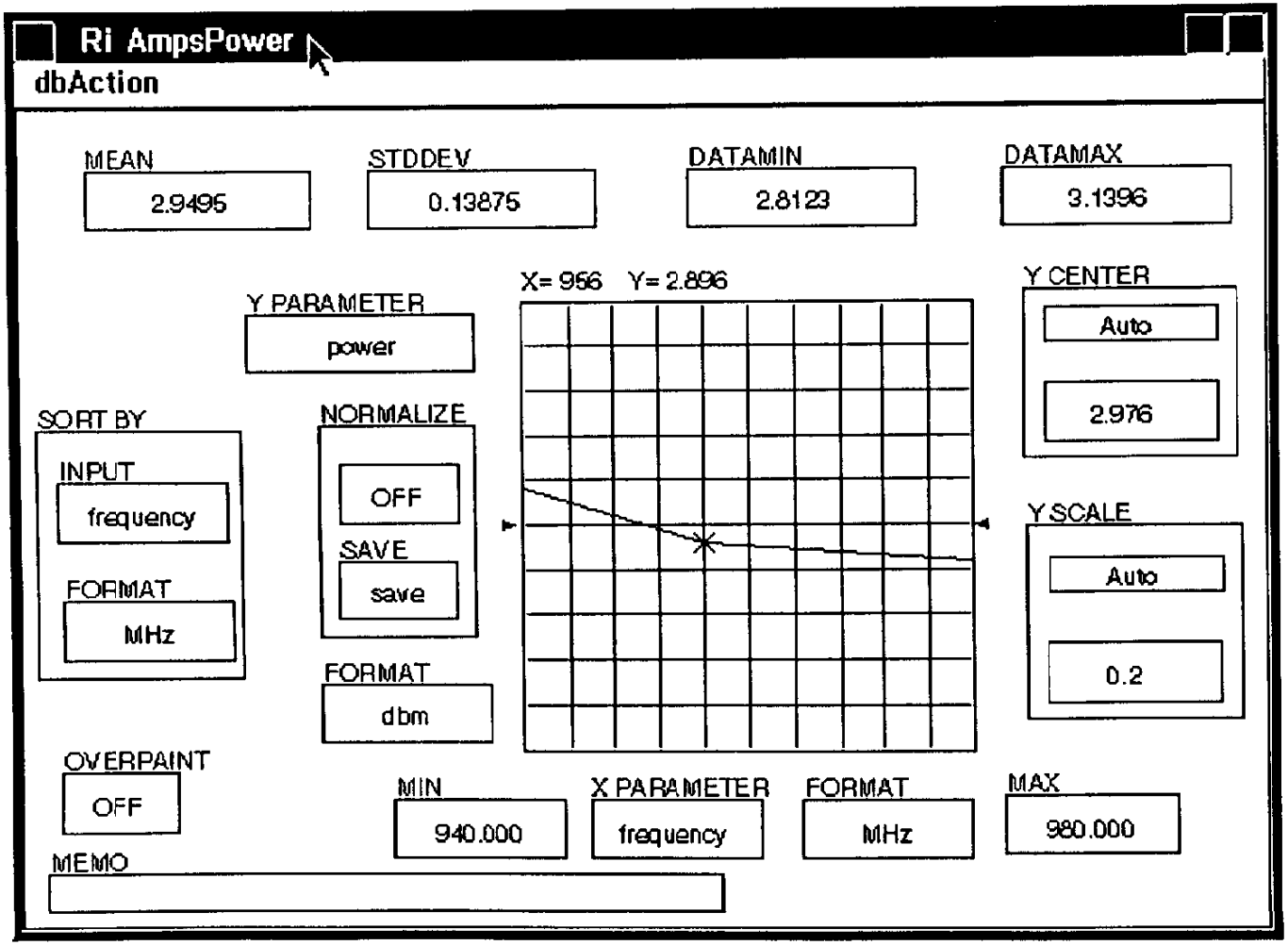
Selecting the Plot Type - Single Trace Stats



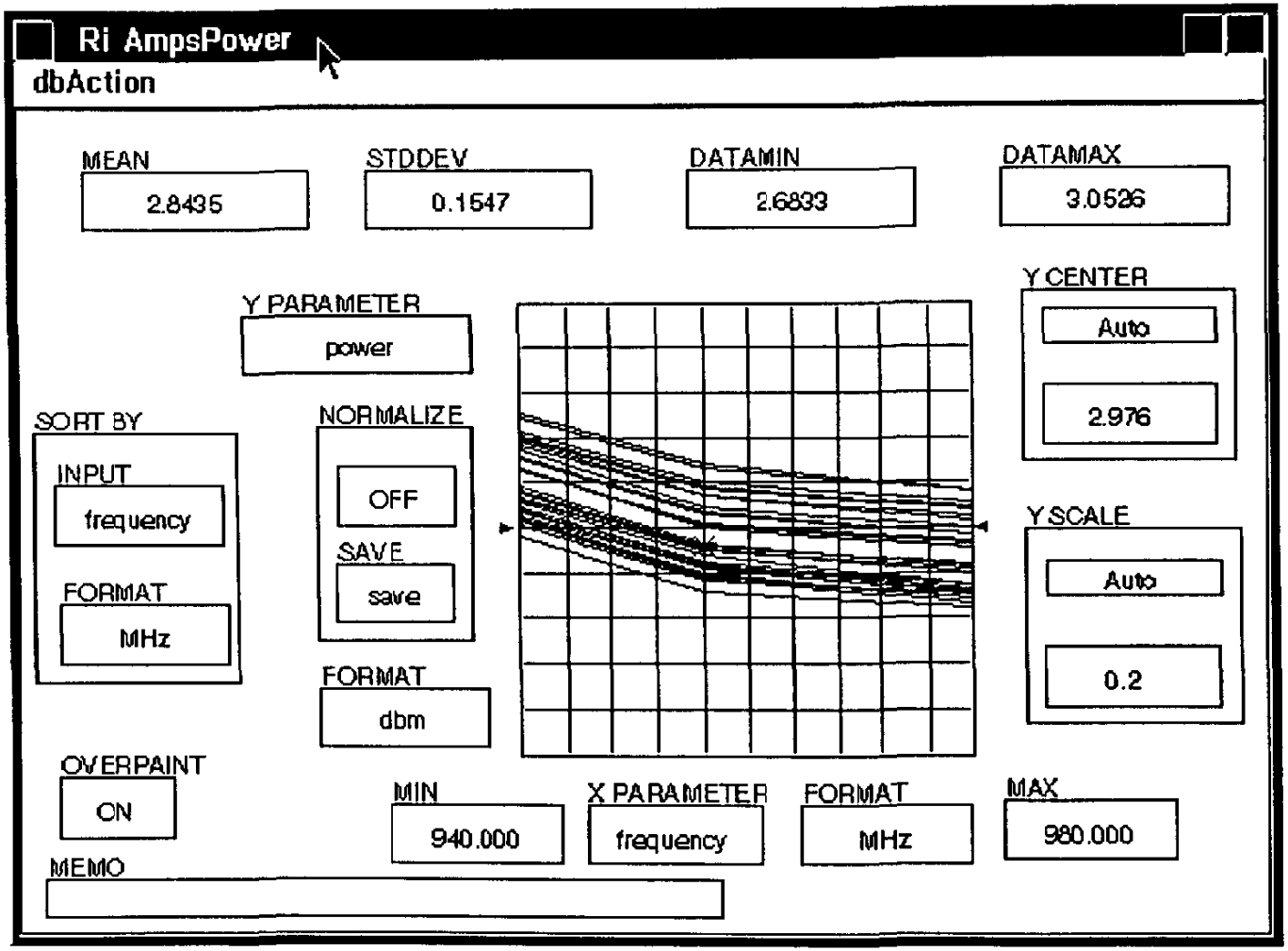
Selecting the Axes & Fixed Values



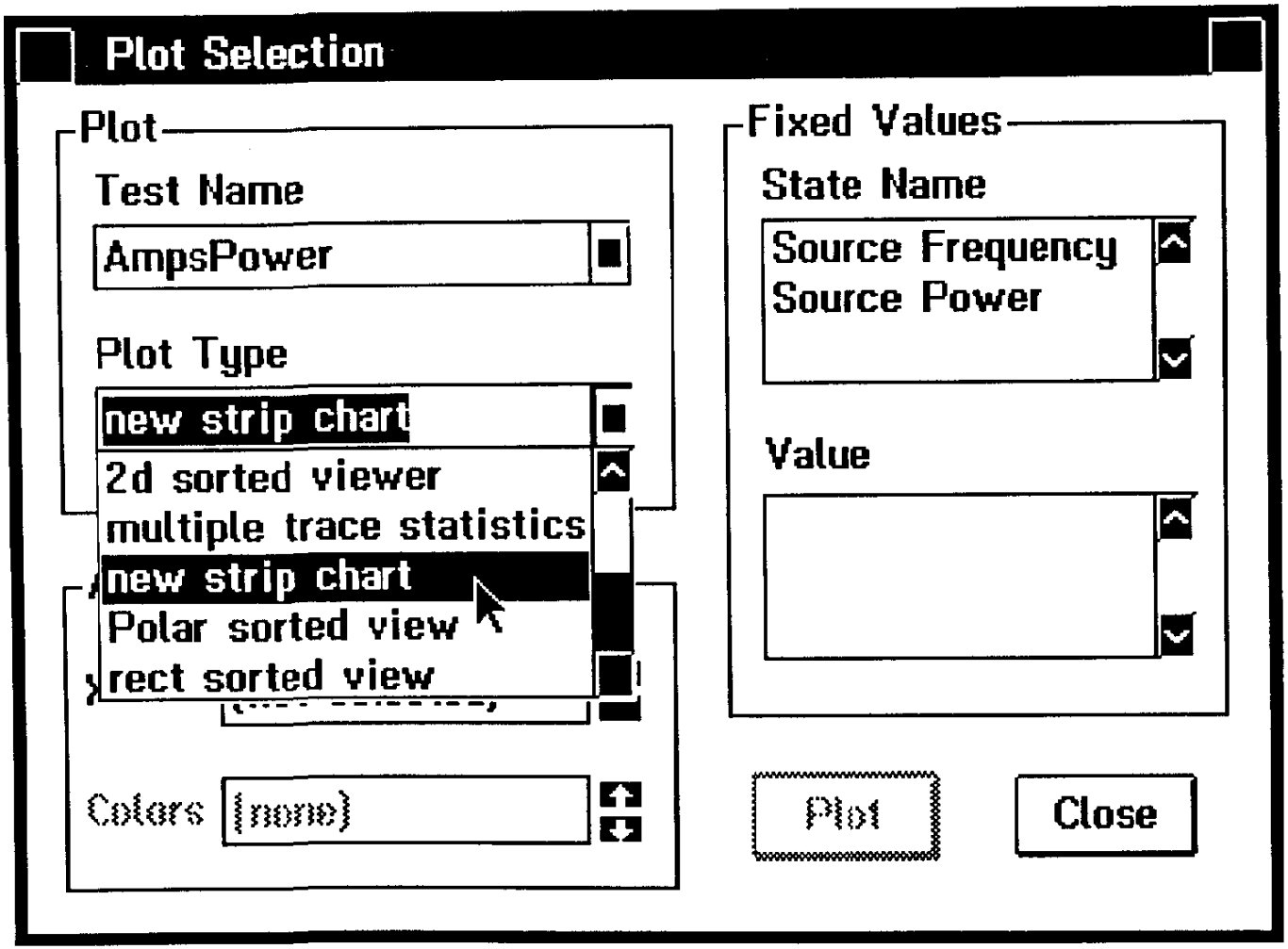
Viewing the 1st Set of Data Selected



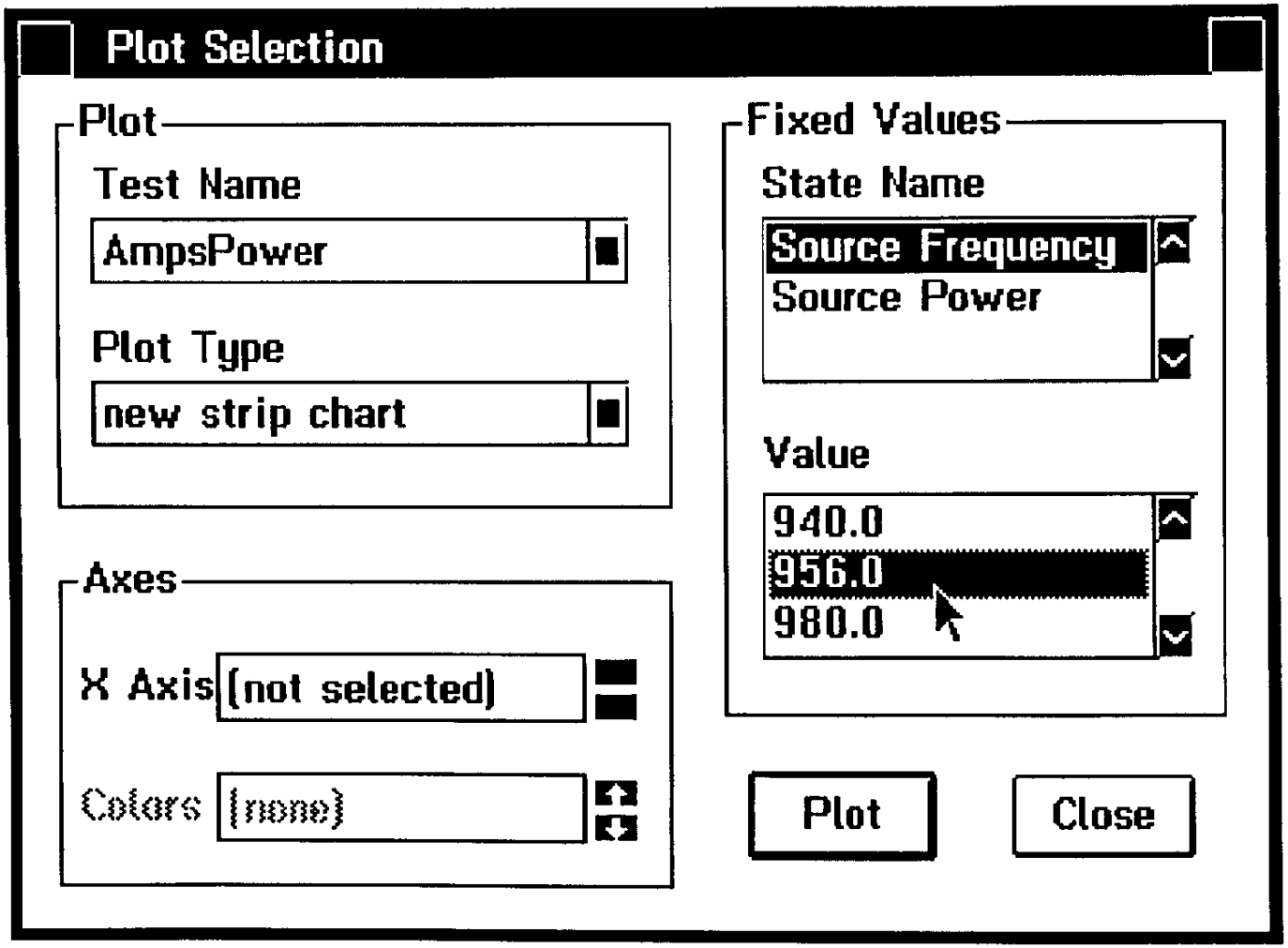
Displaying all of the Data Selected



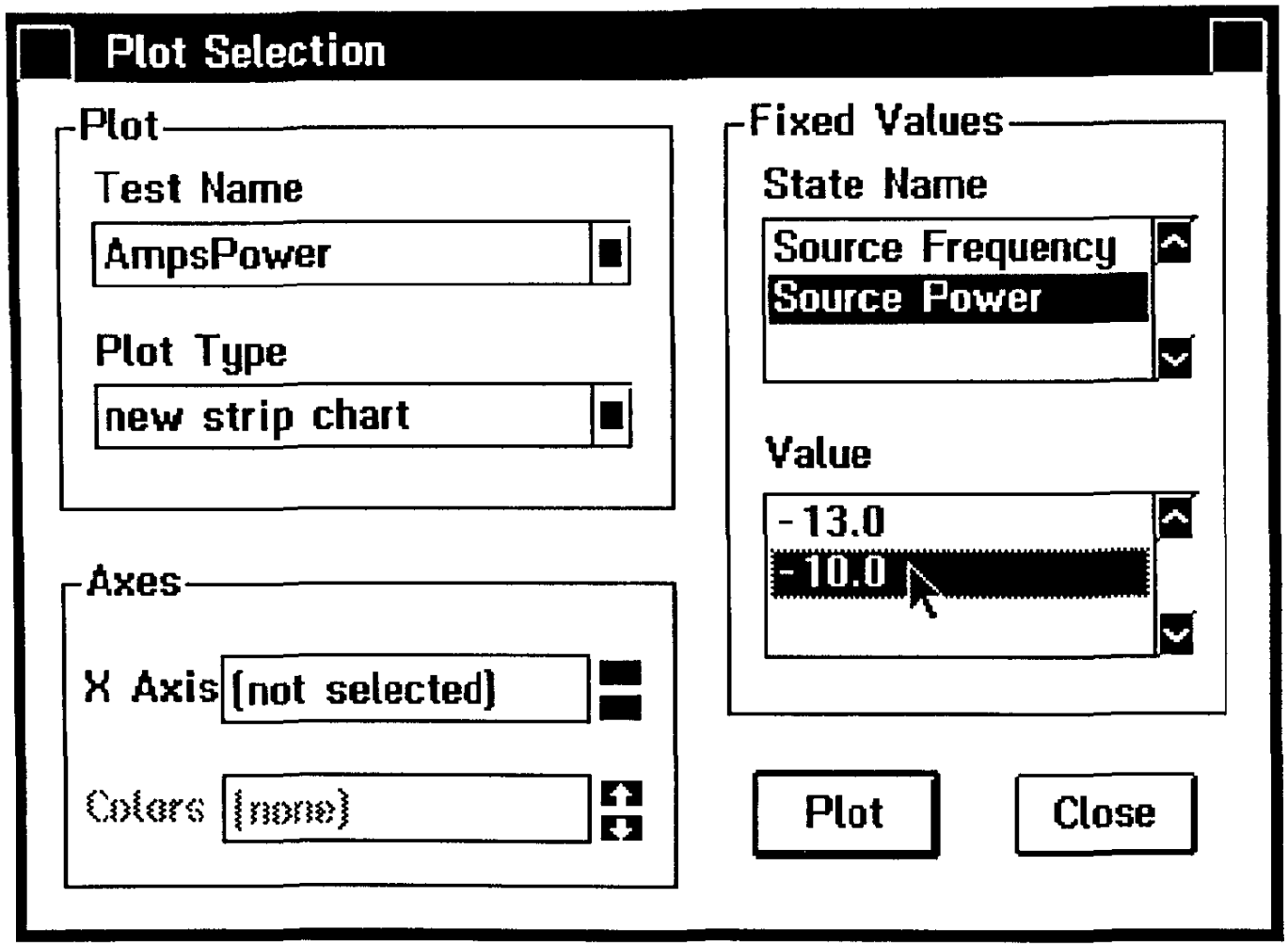
Selecting the Plot Type - Strip Chart



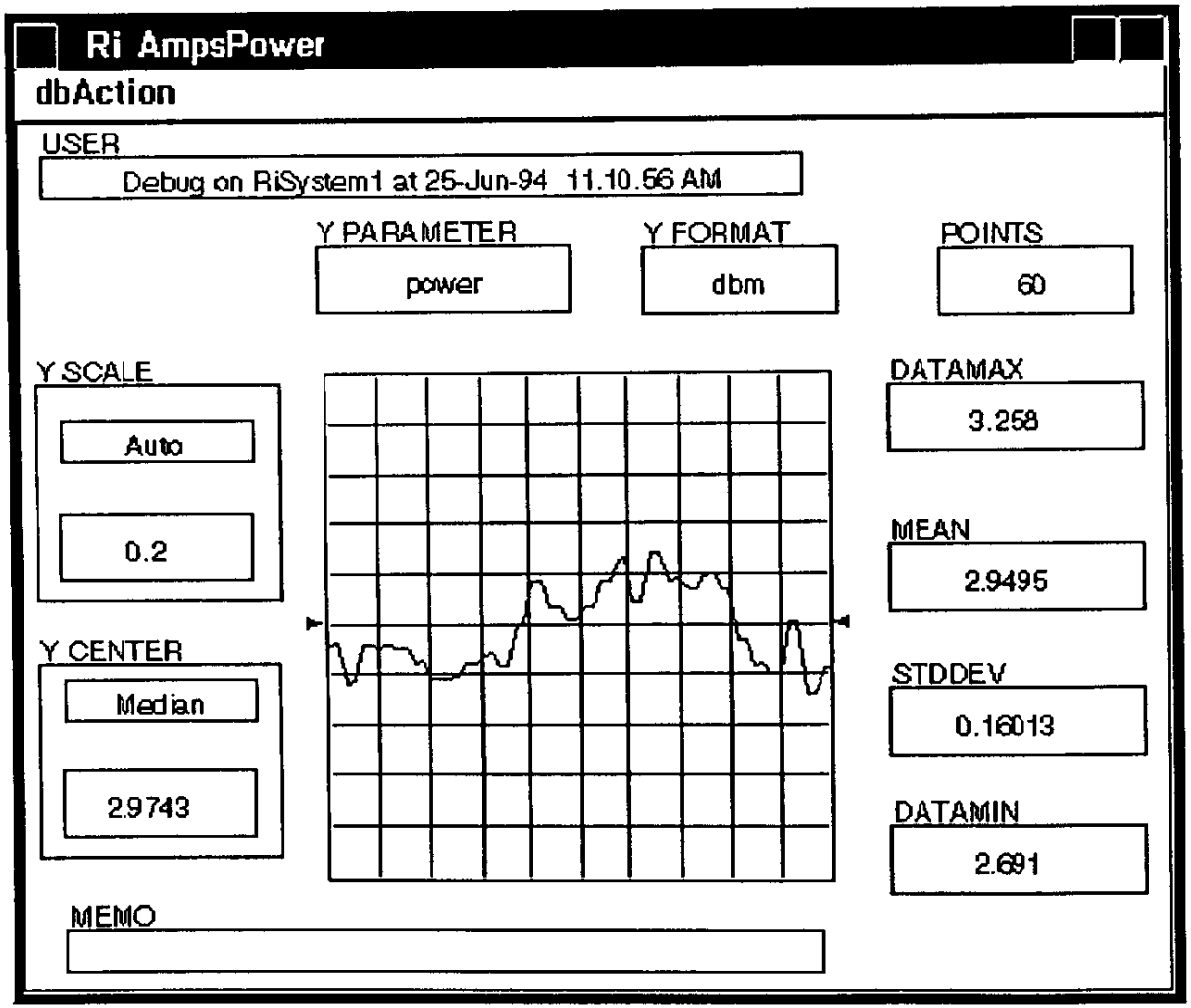
Selecting the Fixed Values



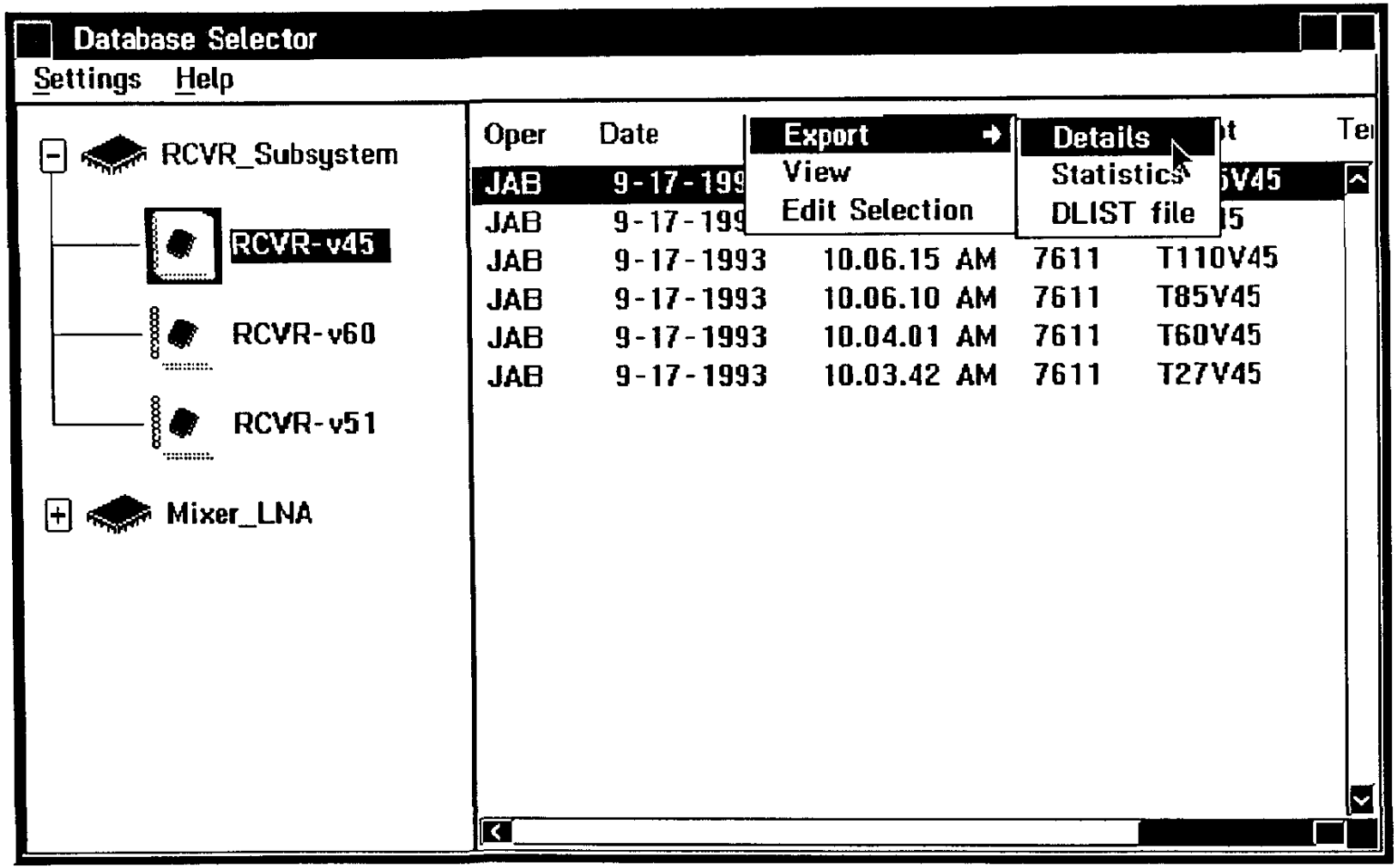
Selecting the Fixed Values



Viewing the Data on a Strip Chart



Exporting Detailed Data



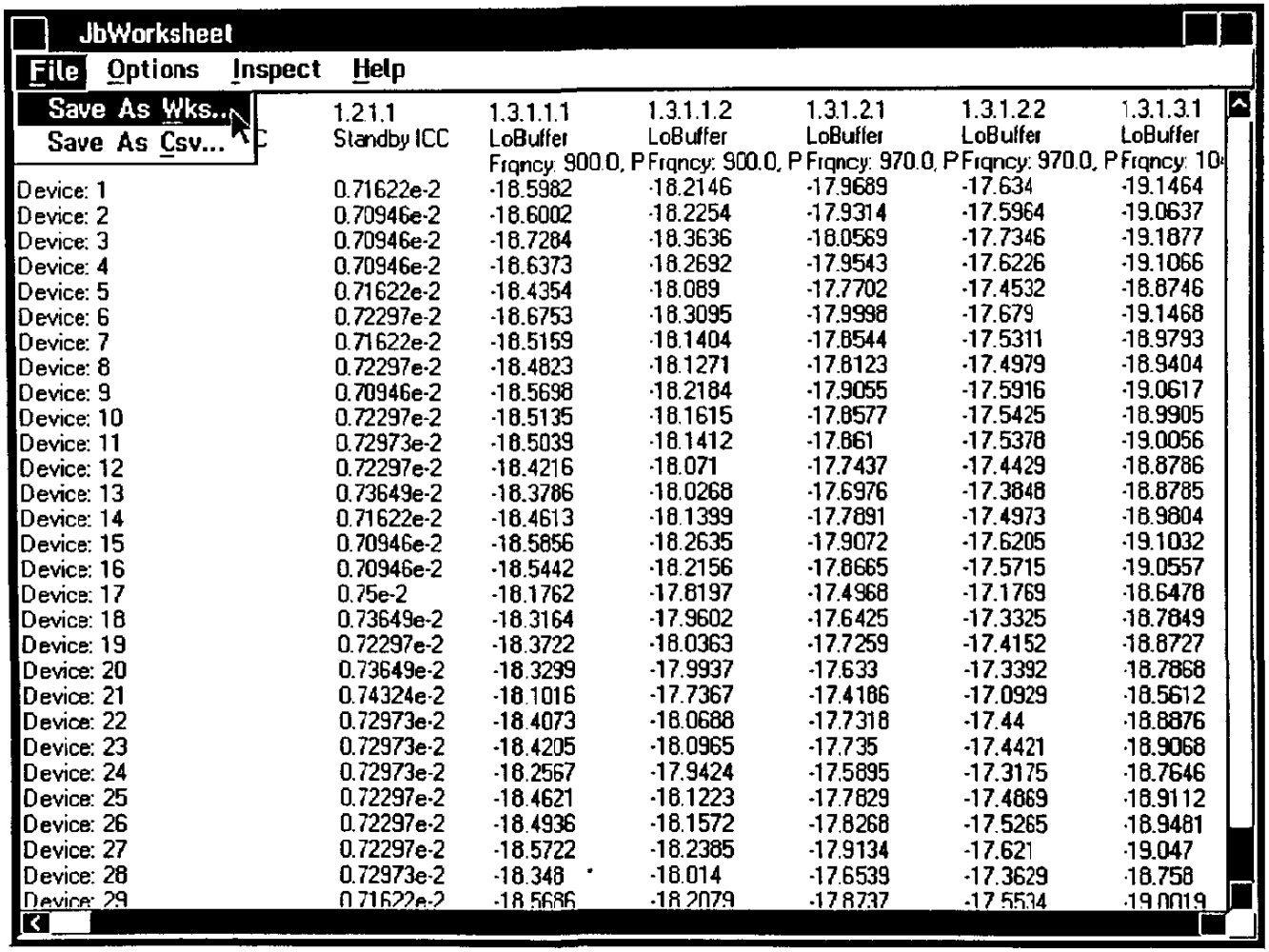
Data Worksheet

JbWorksheet

File Options Inspect Help

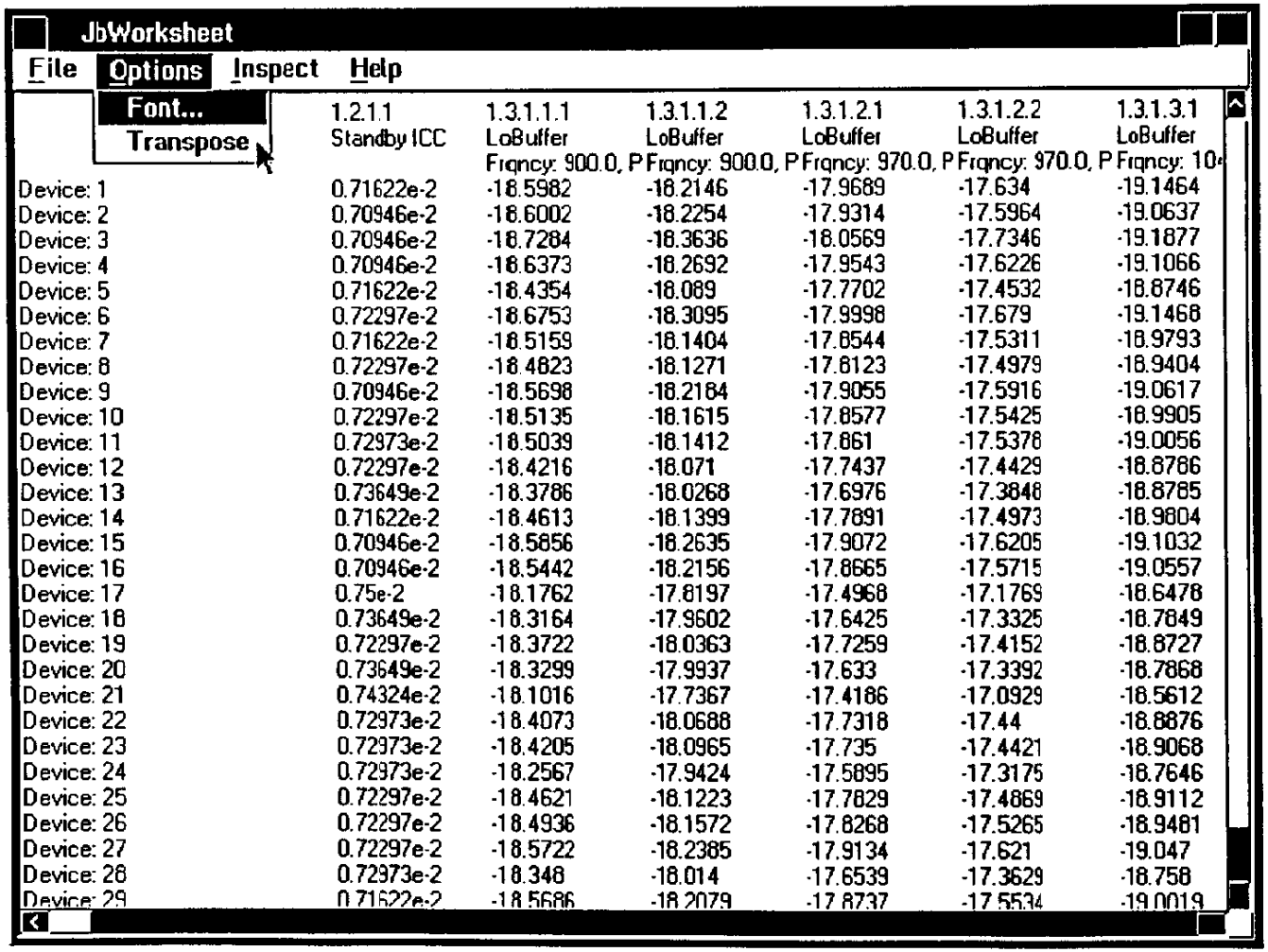
	1.1.1.1 Sleep ICC	1.2.1.1 Standby ICC	1.3.1.1.1 LoBuffer Frqncy: 900.0, P	1.3.1.1.2 LoBuffer Frqncy: 900.0, P	1.3.1.2.1 LoBuffer Frqncy: 970.0, P	1.3.1.2.2 LoBuffer Frqncy: 970.0, P	1.3.1.3.1 LoBuffer Frqncy: 10
Device: 1		0.71622e-2	-18.5982	-18.2146	-17.9689	-17.634	-19.1464
Device: 2		0.70946e-2	-18.6002	-18.2254	-17.9314	-17.5964	-19.0637
Device: 3		0.70946e-2	-18.7264	-18.3636	-18.0569	-17.7346	-19.1877
Device: 4		0.70946e-2	-18.6373	-18.2692	-17.9543	-17.6226	-19.1066
Device: 5		0.71622e-2	-18.4354	-18.089	-17.7702	-17.4532	-18.8746
Device: 6		0.72297e-2	-18.6753	-18.3095	-17.9998	-17.679	-19.1468
Device: 7		0.71622e-2	-18.5159	-18.1404	-17.8544	-17.5311	-18.9793
Device: 8		0.72297e-2	-18.4823	-18.1271	-17.8123	-17.4979	-18.9404
Device: 9		0.70946e-2	-18.5698	-18.2184	-17.9055	-17.5916	-19.0617
Device: 10		0.72297e-2	-18.5135	-18.1615	-17.8577	-17.5425	-18.9905
Device: 11		0.72973e-2	-18.5039	-18.1412	-17.861	-17.5378	-19.0056
Device: 12		0.72297e-2	-18.4216	-18.071	-17.7437	-17.4429	-18.8786
Device: 13		0.73649e-2	-18.3786	-18.0268	-17.6976	-17.3848	-18.8785
Device: 14		0.71622e-2	-18.4613	-18.1399	-17.7891	-17.4973	-18.9804
Device: 15		0.70946e-2	-18.5856	-18.2635	-17.9072	-17.6205	-19.1032
Device: 16		0.70946e-2	-18.5442	-18.2156	-17.8665	-17.5715	-19.0557
Device: 17		0.75e-2	-18.1762	-17.8197	-17.4968	-17.1769	-18.6478
Device: 18		0.73649e-2	-18.3164	-17.9602	-17.6425	-17.3325	-18.7849
Device: 19		0.72297e-2	-18.3722	-18.0363	-17.7259	-17.4152	-18.8727
Device: 20		0.73649e-2	-18.3299	-17.9937	-17.633	-17.3392	-18.7868
Device: 21		0.74324e-2	-18.1016	-17.7367	-17.4186	-17.0929	-18.5612
Device: 22		0.72973e-2	-18.4073	-18.0688	-17.7318	-17.44	-18.8876
Device: 23		0.72973e-2	-18.4205	-18.0965	-17.735	-17.4421	-18.9068
Device: 24		0.72973e-2	-18.2567	-17.9424	-17.5895	-17.3175	-18.7646
Device: 25		0.72297e-2	-18.4621	-18.1223	-17.7829	-17.4869	-18.9112
Device: 26		0.72297e-2	-18.4936	-18.1572	-17.8268	-17.5265	-18.9481
Device: 27		0.72297e-2	-18.5722	-18.2385	-17.9134	-17.621	-19.047
Device: 28		0.72973e-2	-18.348	-18.014	-17.6539	-17.3629	-18.758
Device: 29		0.71622e-2	-18.5686	-18.2079	-17.8737	-17.5534	-19.0019

Saving the Exported Data



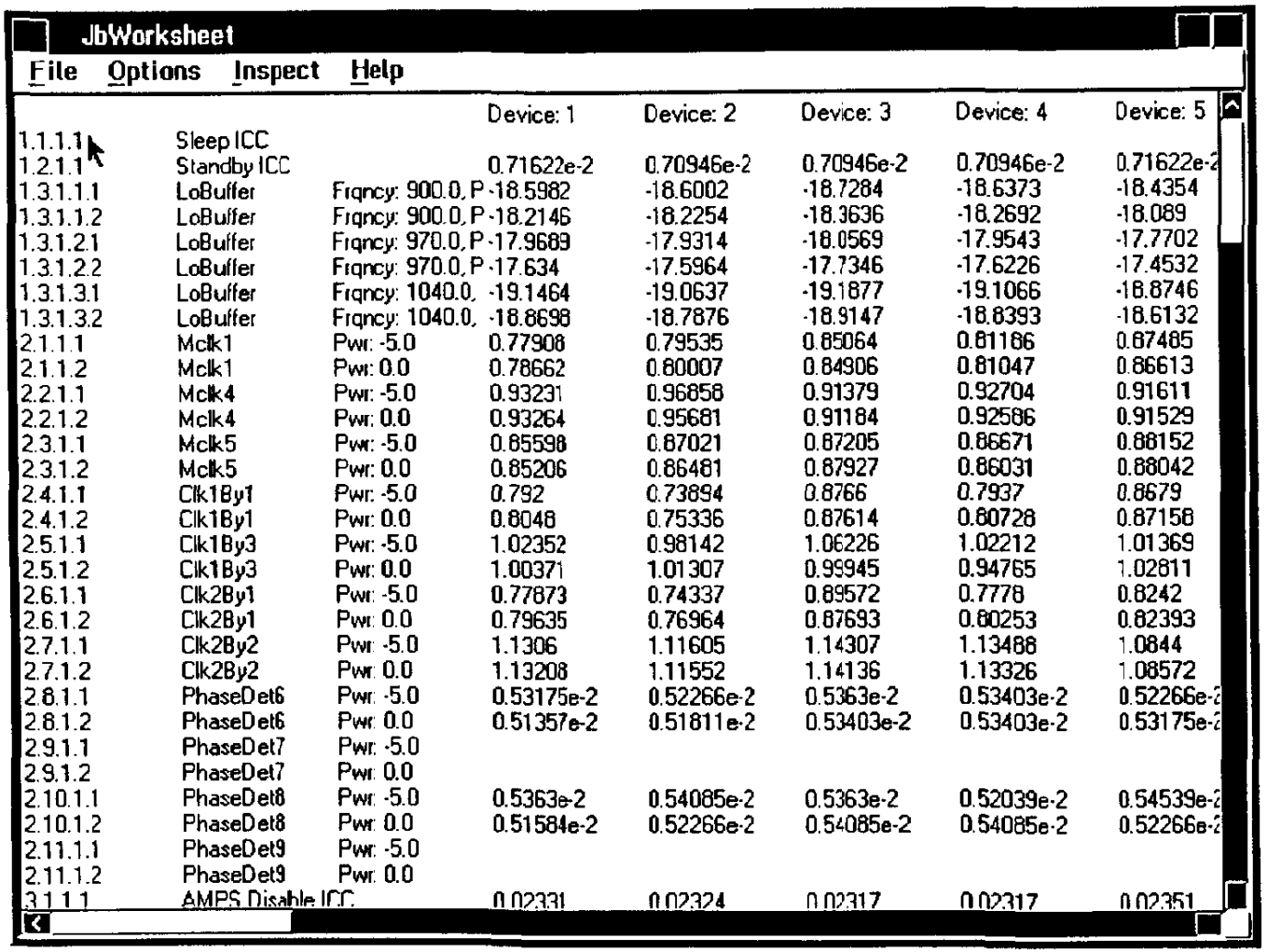
	1.21.1 Standby ICC	1.3.1.1.1 LoBuffer Frqncy: 900.0, P	1.3.1.1.2 LoBuffer Frqncy: 900.0, P	1.3.1.2.1 LoBuffer Frqncy: 970.0, P	1.3.1.2.2 LoBuffer Frqncy: 970.0, P	1.3.1.3.1 LoBuffer Frqncy: 10
Device: 1	0.71622e-2	-18.5982	-18.2146	-17.9689	-17.634	-19.1464
Device: 2	0.70946e-2	-18.6002	-18.2254	-17.9314	-17.5964	-19.0637
Device: 3	0.70946e-2	-18.7284	-18.3636	-18.0569	-17.7346	-19.1877
Device: 4	0.70946e-2	-18.6373	-18.2692	-17.9543	-17.6226	-19.1066
Device: 5	0.71622e-2	-18.4354	-18.089	-17.7702	-17.4532	-18.8746
Device: 6	0.72297e-2	-18.6753	-18.3095	-17.9998	-17.679	-19.1468
Device: 7	0.71622e-2	-18.5159	-18.1404	-17.8544	-17.5311	-18.9793
Device: 8	0.72297e-2	-18.4823	-18.1271	-17.8123	-17.4979	-18.9404
Device: 9	0.70946e-2	-18.5698	-18.2184	-17.9055	-17.5916	-19.0617
Device: 10	0.72297e-2	-18.5135	-18.1615	-17.8577	-17.5425	-18.9905
Device: 11	0.72973e-2	-18.5039	-18.1412	-17.861	-17.5378	-19.0056
Device: 12	0.72297e-2	-18.4216	-18.071	-17.7437	-17.4429	-18.8786
Device: 13	0.73649e-2	-18.3786	-18.0268	-17.6976	-17.3848	-18.8785
Device: 14	0.71622e-2	-18.4613	-18.1399	-17.7891	-17.4973	-18.9804
Device: 15	0.70946e-2	-18.5856	-18.2635	-17.9072	-17.6205	-19.1032
Device: 16	0.70946e-2	-18.5442	-18.2156	-17.8665	-17.5715	-19.0557
Device: 17	0.75e-2	-18.1762	-17.8197	-17.4968	-17.1769	-18.6478
Device: 18	0.73649e-2	-18.3164	-17.9602	-17.6425	-17.3325	-18.7849
Device: 19	0.72297e-2	-18.3722	-18.0363	-17.7259	-17.4152	-18.8727
Device: 20	0.73649e-2	-18.3299	-17.9937	-17.633	-17.3392	-18.7868
Device: 21	0.74324e-2	-18.1016	-17.7367	-17.4186	-17.0929	-18.5612
Device: 22	0.72973e-2	-18.4073	-18.0688	-17.7318	-17.44	-18.8876
Device: 23	0.72973e-2	-18.4205	-18.0965	-17.735	-17.4421	-18.9068
Device: 24	0.72973e-2	-18.2567	-17.9424	-17.5895	-17.3175	-18.7646
Device: 25	0.72297e-2	-18.4621	-18.1223	-17.7829	-17.4869	-18.9112
Device: 26	0.72297e-2	-18.4936	-18.1572	-17.8268	-17.5265	-18.9481
Device: 27	0.72297e-2	-18.5722	-18.2385	-17.9134	-17.621	-19.047
Device: 28	0.72973e-2	-18.348	-18.014	-17.6539	-17.3629	-18.758
Device: 29	0.71622e-2	-18.5686	-18.2079	-17.8737	-17.5534	-19.0019

Transpose Worksheet



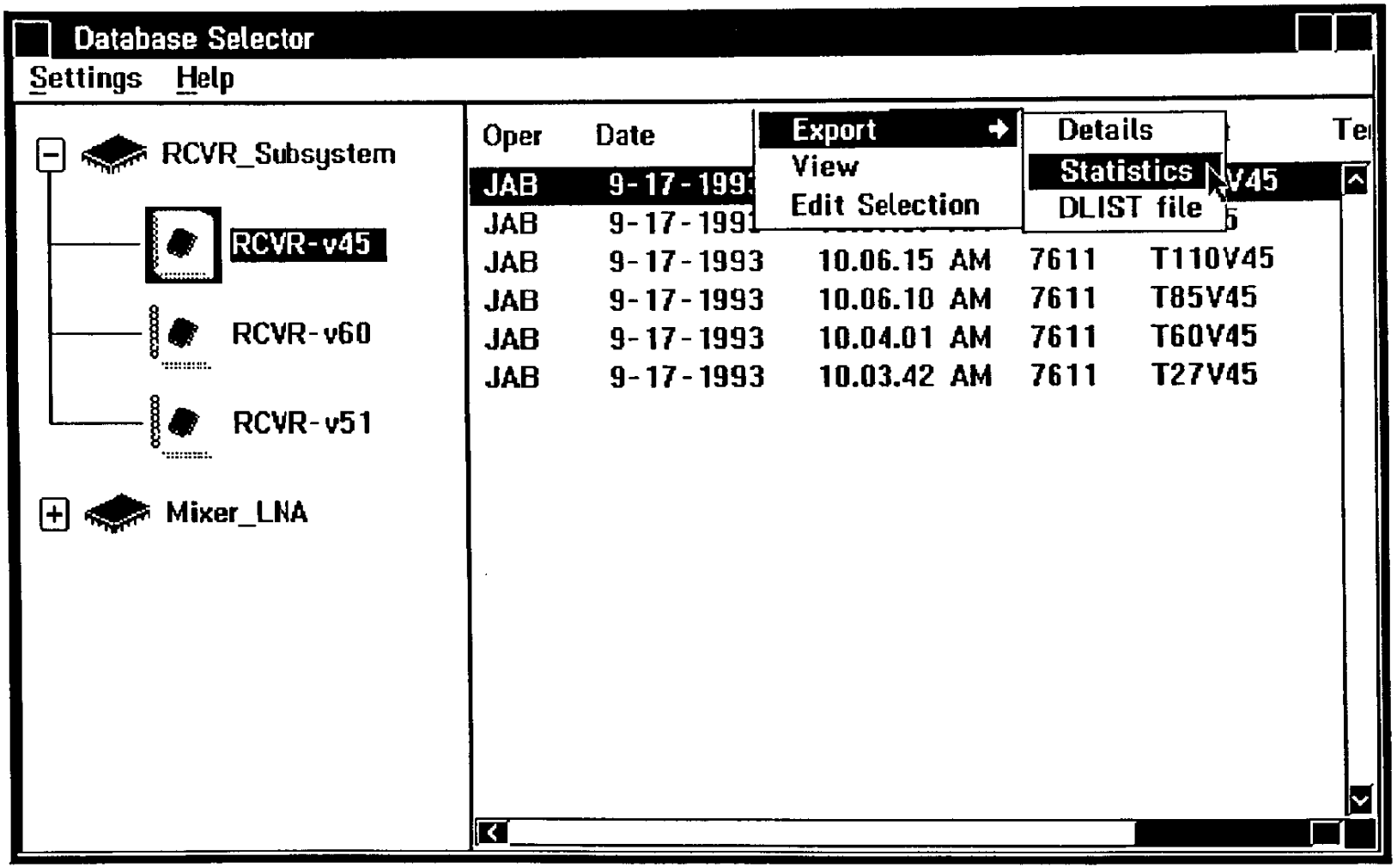
	1.2.1.1 Standby ICC	1.3.1.1.1 LoBuffer Frqncy: 900.0, P	1.3.1.1.2 LoBuffer Frqncy: 900.0, P	1.3.1.2.1 LoBuffer Frqncy: 970.0, P	1.3.1.2.2 LoBuffer Frqncy: 970.0, P	1.3.1.3.1 LoBuffer Frqncy: 10
Device: 1	0.71622e-2	-18.5982	-18.2146	-17.9689	-17.634	-19.1464
Device: 2	0.70946e-2	-18.6002	-18.2254	-17.9314	-17.5964	-19.0637
Device: 3	0.70946e-2	-18.7284	-18.3636	-18.0569	-17.7346	-19.1877
Device: 4	0.70946e-2	-18.6373	-18.2692	-17.9543	-17.6226	-19.1066
Device: 5	0.71622e-2	-18.4354	-18.089	-17.7702	-17.4532	-18.8746
Device: 6	0.72297e-2	-18.6753	-18.3095	-17.9998	-17.679	-19.1468
Device: 7	0.71622e-2	-18.5159	-18.1404	-17.8544	-17.5311	-18.9793
Device: 8	0.72297e-2	-18.4823	-18.1271	-17.8123	-17.4979	-18.9404
Device: 9	0.70946e-2	-18.5698	-18.2184	-17.9055	-17.5916	-19.0617
Device: 10	0.72297e-2	-18.5135	-18.1615	-17.8577	-17.5425	-18.9905
Device: 11	0.72973e-2	-18.5039	-18.1412	-17.861	-17.5378	-19.0056
Device: 12	0.72297e-2	-18.4216	-18.071	-17.7437	-17.4429	-18.8786
Device: 13	0.73649e-2	-18.3786	-18.0268	-17.6976	-17.3848	-18.8785
Device: 14	0.71622e-2	-18.4613	-18.1399	-17.7891	-17.4973	-18.9804
Device: 15	0.70946e-2	-18.5856	-18.2635	-17.9072	-17.6205	-19.1032
Device: 16	0.70946e-2	-18.5442	-18.2156	-17.8665	-17.5715	-19.0557
Device: 17	0.75e-2	-18.1762	-17.8197	-17.4968	-17.1769	-18.6478
Device: 18	0.73649e-2	-18.3164	-17.9602	-17.6425	-17.3325	-18.7849
Device: 19	0.72297e-2	-18.3722	-18.0363	-17.7259	-17.4152	-18.8727
Device: 20	0.73649e-2	-18.3299	-17.9937	-17.633	-17.3392	-18.7868
Device: 21	0.74324e-2	-18.1016	-17.7367	-17.4186	-17.0929	-18.5612
Device: 22	0.72973e-2	-18.4073	-18.0688	-17.7318	-17.44	-18.8876
Device: 23	0.72973e-2	-18.4205	-18.0965	-17.735	-17.4421	-18.9068
Device: 24	0.72973e-2	-18.2567	-17.9424	-17.5895	-17.3175	-18.7646
Device: 25	0.72297e-2	-18.4621	-18.1223	-17.7829	-17.4869	-18.9112
Device: 26	0.72297e-2	-18.4936	-18.1572	-17.8268	-17.5265	-18.9481
Device: 27	0.72297e-2	-18.5722	-18.2385	-17.9134	-17.621	-19.047
Device: 28	0.72973e-2	-18.348	-18.014	-17.6539	-17.3629	-18.758
Device: 29	0.71622e-2	-18.5686	-18.2079	-17.8737	-17.5534	-19.0019

Transposed Worksheet

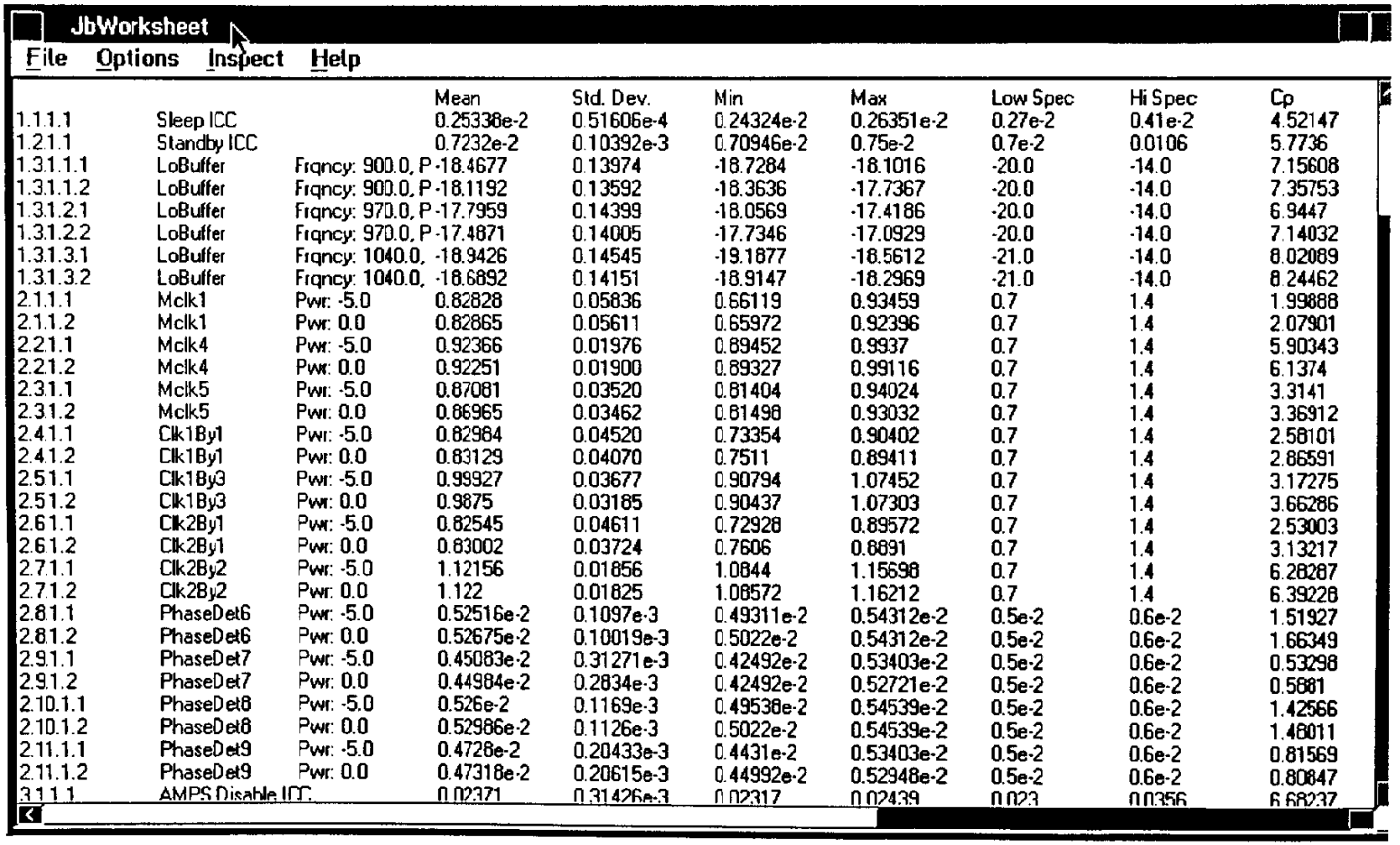


			Device: 1	Device: 2	Device: 3	Device: 4	Device: 5
1.1.1.1	Sleep ICC						
1.2.1.1	Standby ICC		0.71622e-2	0.70946e-2	0.70946e-2	0.70946e-2	0.71622e-2
1.3.1.1.1	LoBuffer	Frqncy: 900.0, P	-18.5982	-18.6002	-18.7284	-18.6373	-18.4354
1.3.1.1.2	LoBuffer	Frqncy: 900.0, P	-18.2146	-18.2254	-18.3636	-18.2692	-18.089
1.3.1.2.1	LoBuffer	Frqncy: 970.0, P	-17.9689	-17.9314	-18.0569	-17.9543	-17.7702
1.3.1.2.2	LoBuffer	Frqncy: 970.0, P	-17.634	-17.5964	-17.7346	-17.6226	-17.4532
1.3.1.3.1	LoBuffer	Frqncy: 1040.0,	-19.1464	-19.0637	-19.1877	-19.1066	-18.8746
1.3.1.3.2	LoBuffer	Frqncy: 1040.0,	-18.8698	-18.7876	-18.9147	-18.8393	-18.6132
2.1.1.1	Mclk1	Pwr: -5.0	0.77908	0.79535	0.85064	0.81186	0.87485
2.1.1.2	Mclk1	Pwr: 0.0	0.78662	0.80007	0.84906	0.81047	0.86613
2.2.1.1	Mclk4	Pwr: -5.0	0.93231	0.96858	0.91379	0.92704	0.91611
2.2.1.2	Mclk4	Pwr: 0.0	0.93264	0.95681	0.91184	0.92586	0.91529
2.3.1.1	Mclk5	Pwr: -5.0	0.85598	0.87021	0.87205	0.86671	0.88152
2.3.1.2	Mclk5	Pwr: 0.0	0.85206	0.86481	0.87927	0.86031	0.88042
2.4.1.1	Clk1By1	Pwr: -5.0	0.792	0.73894	0.8766	0.7937	0.8679
2.4.1.2	Clk1By1	Pwr: 0.0	0.8048	0.75336	0.87614	0.80728	0.87158
2.5.1.1	Clk1By3	Pwr: -5.0	1.02352	0.98142	1.06226	1.02212	1.01369
2.5.1.2	Clk1By3	Pwr: 0.0	1.00371	1.01307	0.99945	0.94765	1.02811
2.6.1.1	Clk2By1	Pwr: -5.0	0.77873	0.74337	0.89572	0.7778	0.8242
2.6.1.2	Clk2By1	Pwr: 0.0	0.79635	0.76964	0.87693	0.80253	0.82393
2.7.1.1	Clk2By2	Pwr: -5.0	1.1306	1.11605	1.14307	1.13488	1.0844
2.7.1.2	Clk2By2	Pwr: 0.0	1.13208	1.11552	1.14136	1.13326	1.08572
2.8.1.1	PhaseDet6	Pwr: -5.0	0.53175e-2	0.52266e-2	0.5363e-2	0.53403e-2	0.52266e-2
2.8.1.2	PhaseDet6	Pwr: 0.0	0.51357e-2	0.51811e-2	0.53403e-2	0.53403e-2	0.53175e-2
2.9.1.1	PhaseDet7	Pwr: -5.0					
2.9.1.2	PhaseDet7	Pwr: 0.0					
2.10.1.1	PhaseDet8	Pwr: -5.0	0.5363e-2	0.54085e-2	0.5363e-2	0.52039e-2	0.54539e-2
2.10.1.2	PhaseDet8	Pwr: 0.0	0.51584e-2	0.52266e-2	0.54085e-2	0.54085e-2	0.52266e-2
2.11.1.1	PhaseDet9	Pwr: -5.0					
2.11.1.2	PhaseDet9	Pwr: 0.0					
3.1.1.1	AMPS Disable ICC		0.02331	0.02324	0.02317	0.02317	0.02351

Export Statistics Data



Statistics Data Worksheet



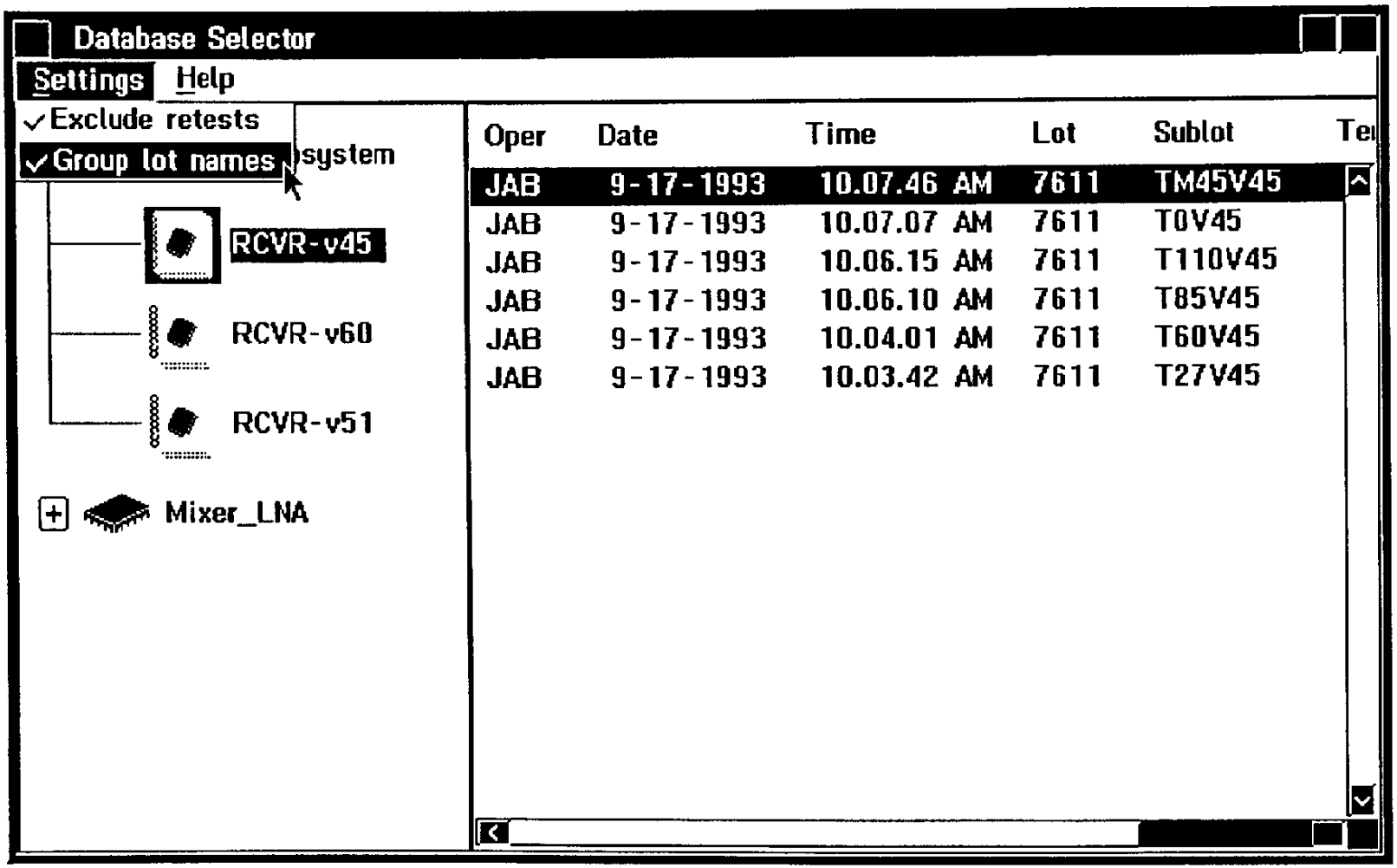
JbWorksheet

File Options Inspect Help

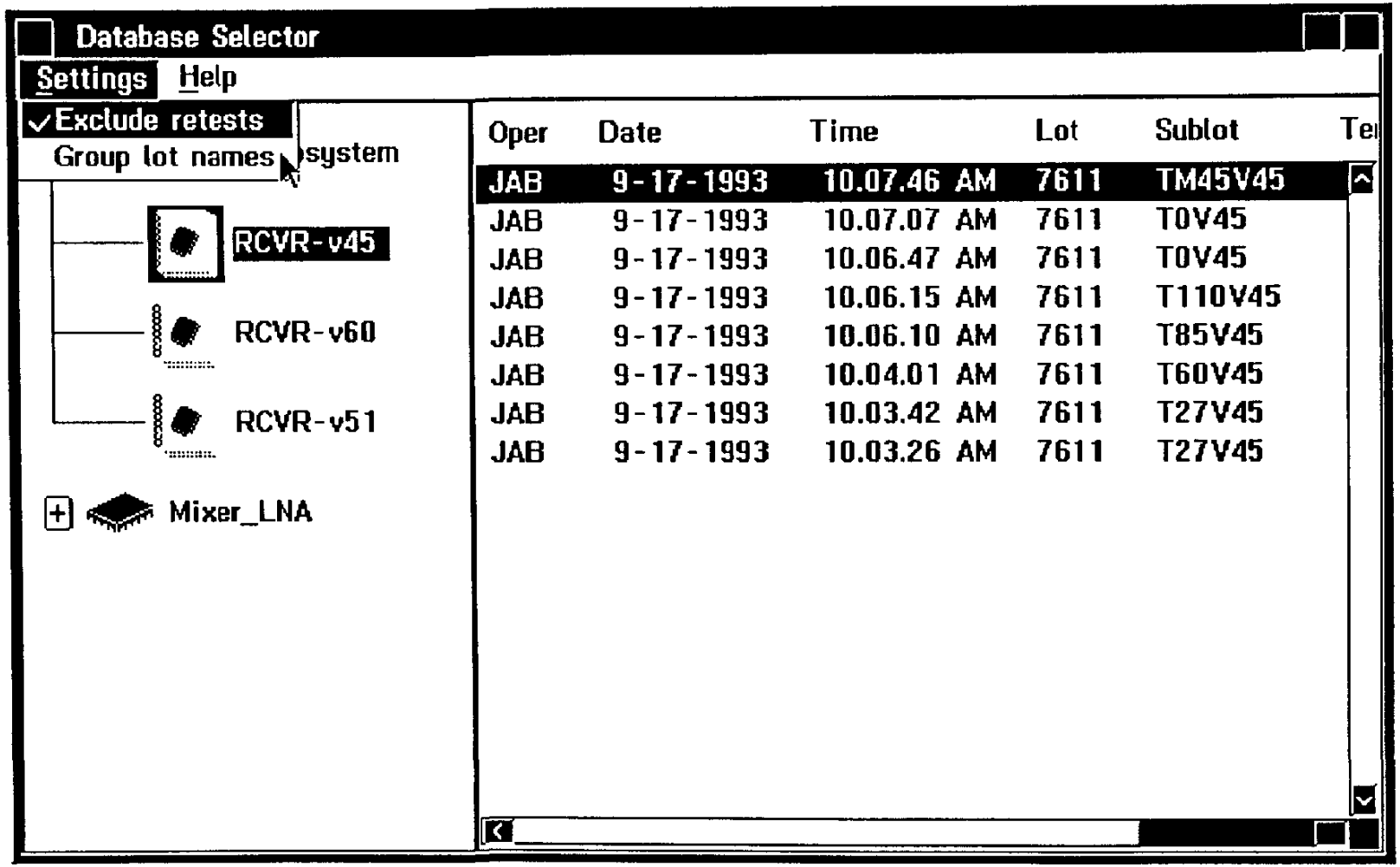
			Mean	Std. Dev.	Min	Max	Low Spec	Hi Spec	Cp
1.1.1.1	Sleep ICC		0.25338e-2	0.51606e-4	0.24324e-2	0.26351e-2	0.27e-2	0.41e-2	4.52147
1.2.1.1	Standby ICC		0.7232e-2	0.10392e-3	0.70946e-2	0.75e-2	0.7e-2	0.0106	5.7736
1.3.1.1.1	LoBuffer	Frqncy: 900.0, P	-18.4677	0.13974	-18.7284	-18.1016	-20.0	-14.0	7.15608
1.3.1.1.2	LoBuffer	Frqncy: 900.0, P	-18.1192	0.13592	-18.3636	-17.7367	-20.0	-14.0	7.35753
1.3.1.2.1	LoBuffer	Frqncy: 970.0, P	-17.7959	0.14399	-18.0569	-17.4186	-20.0	-14.0	6.9447
1.3.1.2.2	LoBuffer	Frqncy: 970.0, P	-17.4871	0.14005	-17.7346	-17.0929	-20.0	-14.0	7.14032
1.3.1.3.1	LoBuffer	Frqncy: 1040.0,	-18.9426	0.14545	-19.1877	-18.5612	-21.0	-14.0	8.02089
1.3.1.3.2	LoBuffer	Frqncy: 1040.0,	-18.6892	0.14151	-18.9147	-18.2969	-21.0	-14.0	8.24462
2.1.1.1	Mclk1	Pwr: -5.0	0.82828	0.05836	0.66119	0.93459	0.7	1.4	1.99888
2.1.1.2	Mclk1	Pwr: 0.0	0.82865	0.05611	0.65972	0.92396	0.7	1.4	2.07901
2.2.1.1	Mclk4	Pwr: -5.0	0.92366	0.01976	0.89452	0.9937	0.7	1.4	5.90343
2.2.1.2	Mclk4	Pwr: 0.0	0.92251	0.01900	0.89327	0.99116	0.7	1.4	6.1374
2.3.1.1	Mclk5	Pwr: -5.0	0.87081	0.03520	0.81404	0.94024	0.7	1.4	3.3141
2.3.1.2	Mclk5	Pwr: 0.0	0.86965	0.03462	0.81498	0.93032	0.7	1.4	3.36912
2.4.1.1	Clk1By1	Pwr: -5.0	0.82984	0.04520	0.73354	0.90402	0.7	1.4	2.58101
2.4.1.2	Clk1By1	Pwr: 0.0	0.83129	0.04070	0.7511	0.89411	0.7	1.4	2.86591
2.5.1.1	Clk1By3	Pwr: -5.0	0.99927	0.03677	0.90794	1.07452	0.7	1.4	3.17275
2.5.1.2	Clk1By3	Pwr: 0.0	0.9875	0.03185	0.90437	1.07303	0.7	1.4	3.66286
2.6.1.1	Clk2By1	Pwr: -5.0	0.82545	0.04611	0.72928	0.89572	0.7	1.4	2.53003
2.6.1.2	Clk2By1	Pwr: 0.0	0.83002	0.03724	0.7606	0.8891	0.7	1.4	3.13217
2.7.1.1	Clk2By2	Pwr: -5.0	1.12156	0.01856	1.0844	1.15698	0.7	1.4	6.28287
2.7.1.2	Clk2By2	Pwr: 0.0	1.122	0.01825	1.08572	1.16212	0.7	1.4	6.39228
2.8.1.1	PhaseDet6	Pwr: -5.0	0.52516e-2	0.1097e-3	0.49311e-2	0.54312e-2	0.5e-2	0.6e-2	1.51927
2.8.1.2	PhaseDet6	Pwr: 0.0	0.52675e-2	0.10019e-3	0.5022e-2	0.54312e-2	0.5e-2	0.6e-2	1.66349
2.9.1.1	PhaseDet7	Pwr: -5.0	0.45083e-2	0.31271e-3	0.42492e-2	0.53403e-2	0.5e-2	0.6e-2	0.53298
2.9.1.2	PhaseDet7	Pwr: 0.0	0.44984e-2	0.2834e-3	0.42492e-2	0.52721e-2	0.5e-2	0.6e-2	0.5881
2.10.1.1	PhaseDet8	Pwr: -5.0	0.526e-2	0.1169e-3	0.49538e-2	0.54539e-2	0.5e-2	0.6e-2	1.42566
2.10.1.2	PhaseDet8	Pwr: 0.0	0.52986e-2	0.1126e-3	0.5022e-2	0.54539e-2	0.5e-2	0.6e-2	1.48011
2.11.1.1	PhaseDet9	Pwr: -5.0	0.4726e-2	0.20433e-3	0.4431e-2	0.53403e-2	0.5e-2	0.6e-2	0.81569
2.11.1.2	PhaseDet9	Pwr: 0.0	0.47318e-2	0.20615e-3	0.44992e-2	0.52948e-2	0.5e-2	0.6e-2	0.80847
3.1.1.1	AMPS Disable ICC		0.02371	0.31426e-3	0.02317	0.02439	0.023	0.0356	6.68237

Roos Instruments

Other Data Selector Settings



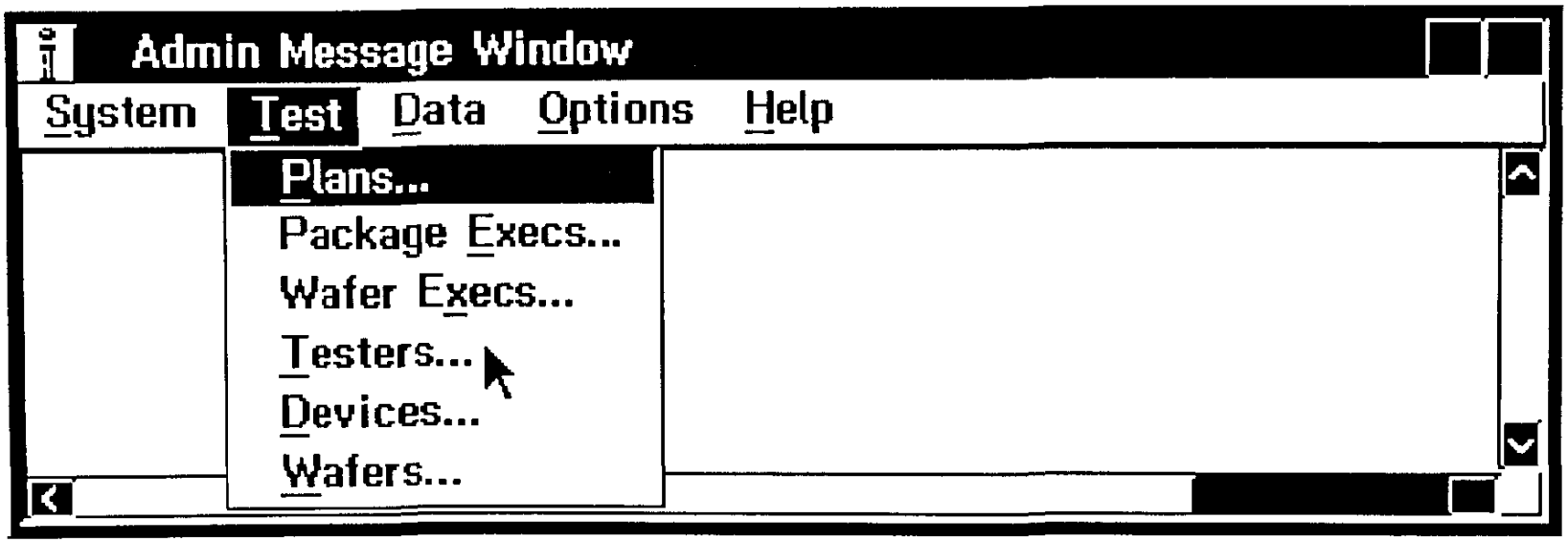
Ungroup Lot and Sublot Names



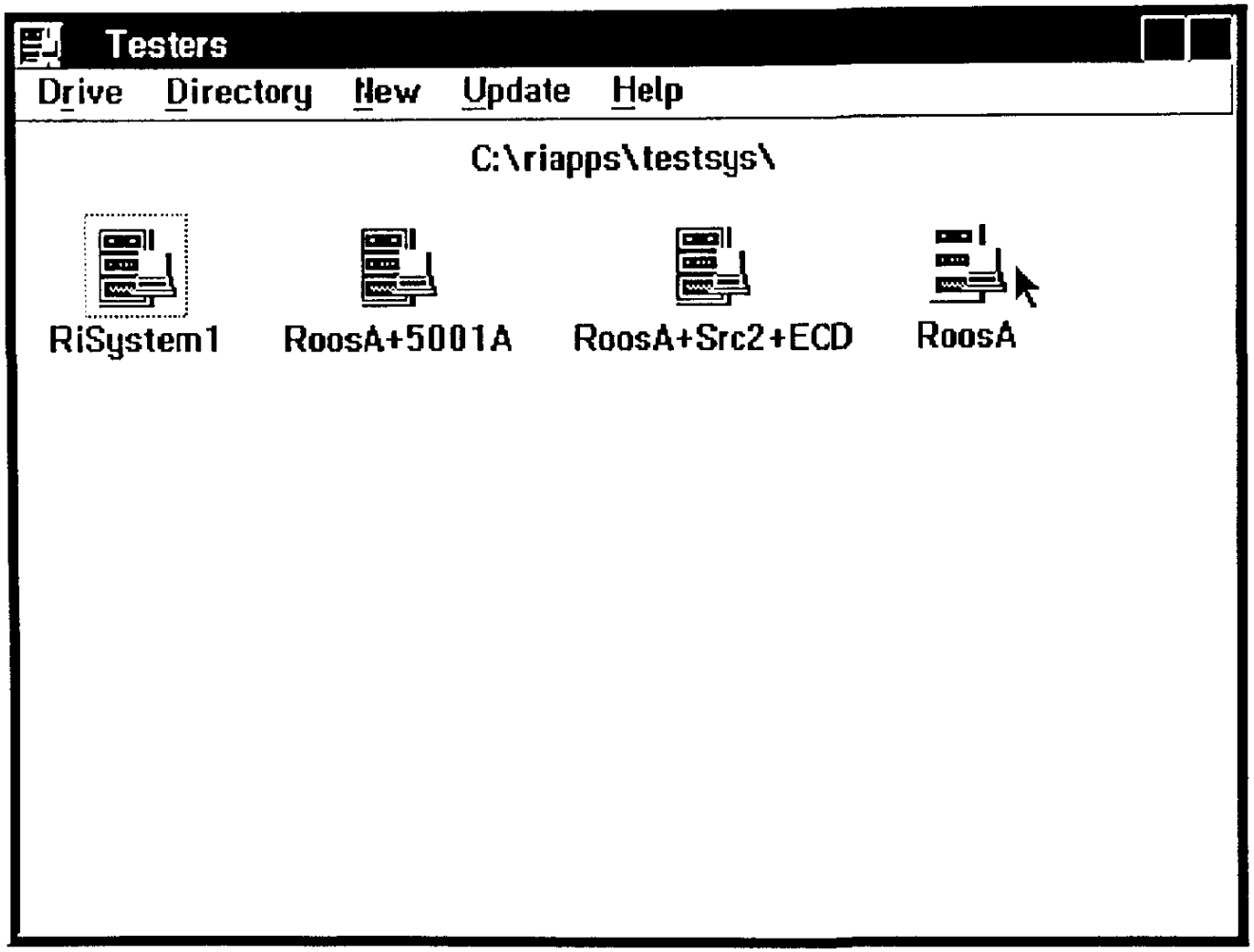
Managing Testers

- **Active and Edit Testers**
- **Edit Tester Functions: Activate, View, Copy or Delete**
- **Active Tester Function: Configuring the Instrumentation**
- **Active Tester Function: Inspecting Calibration Data**
- **Active Tester Function: Setting Idle States**
- **Active Tester Function: Manual Control of the Tester**
- **Active Tester Functions: Deactivate, Startup, Save & Copy**

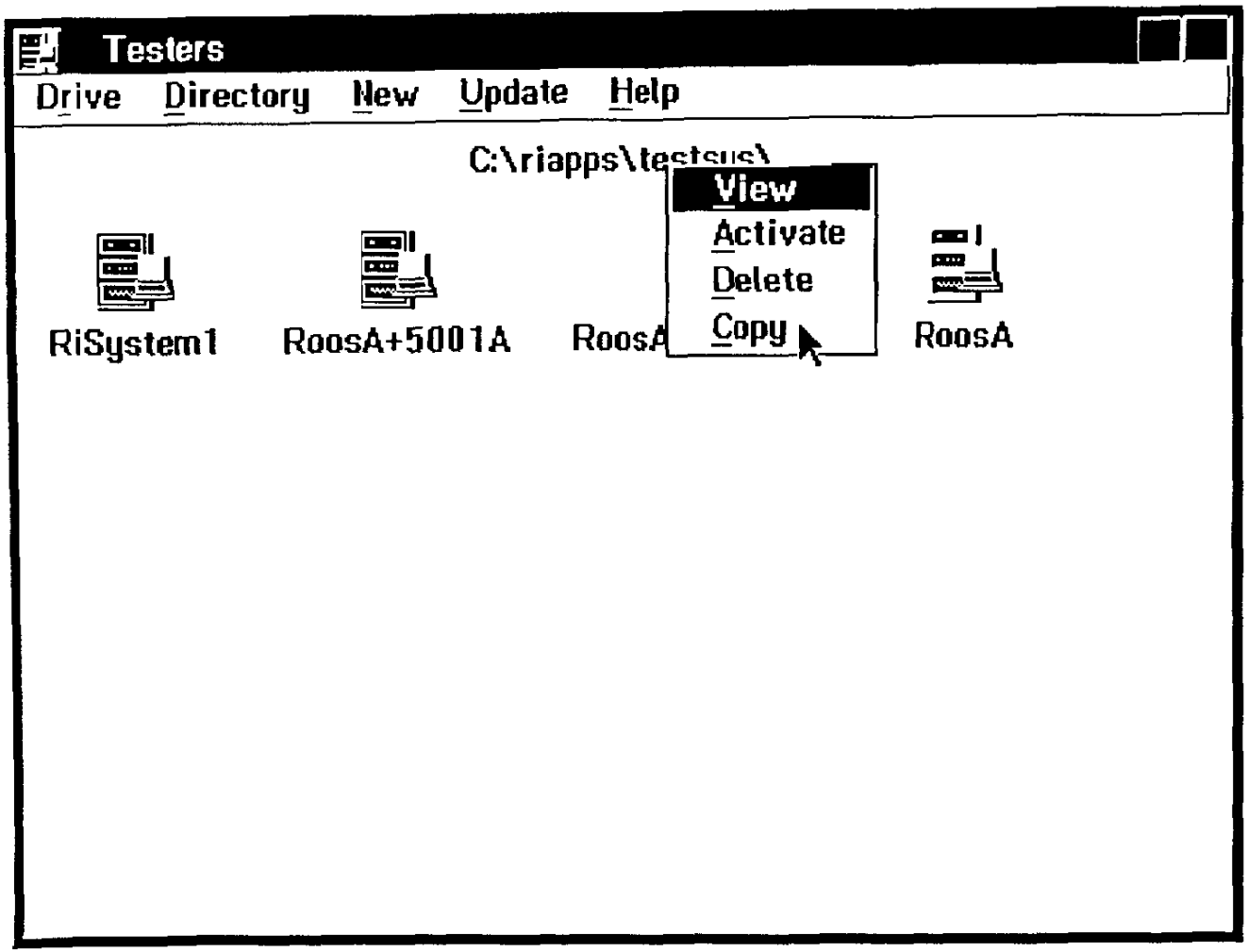
Opening the Testers Container Window



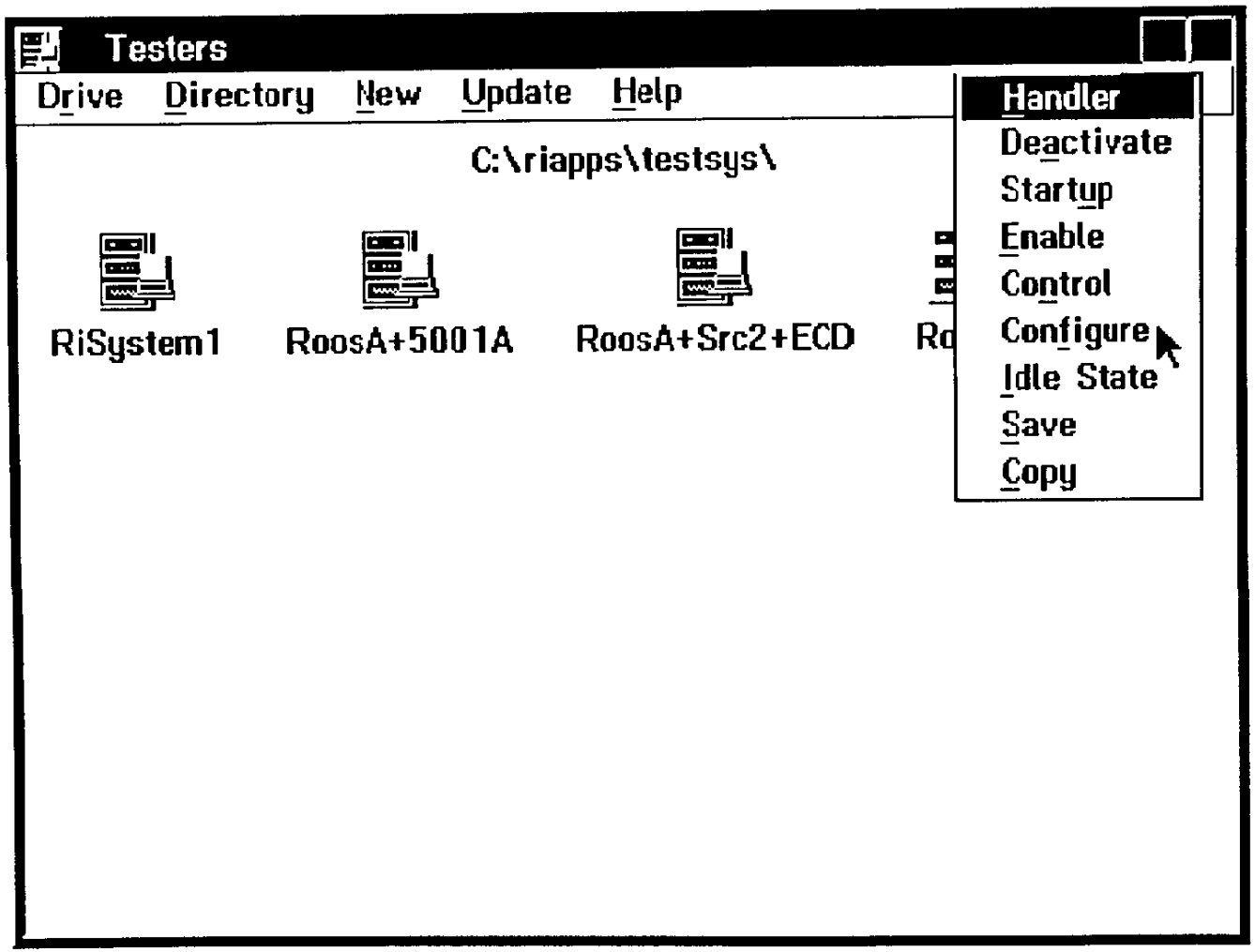
Active vs Edit Testers



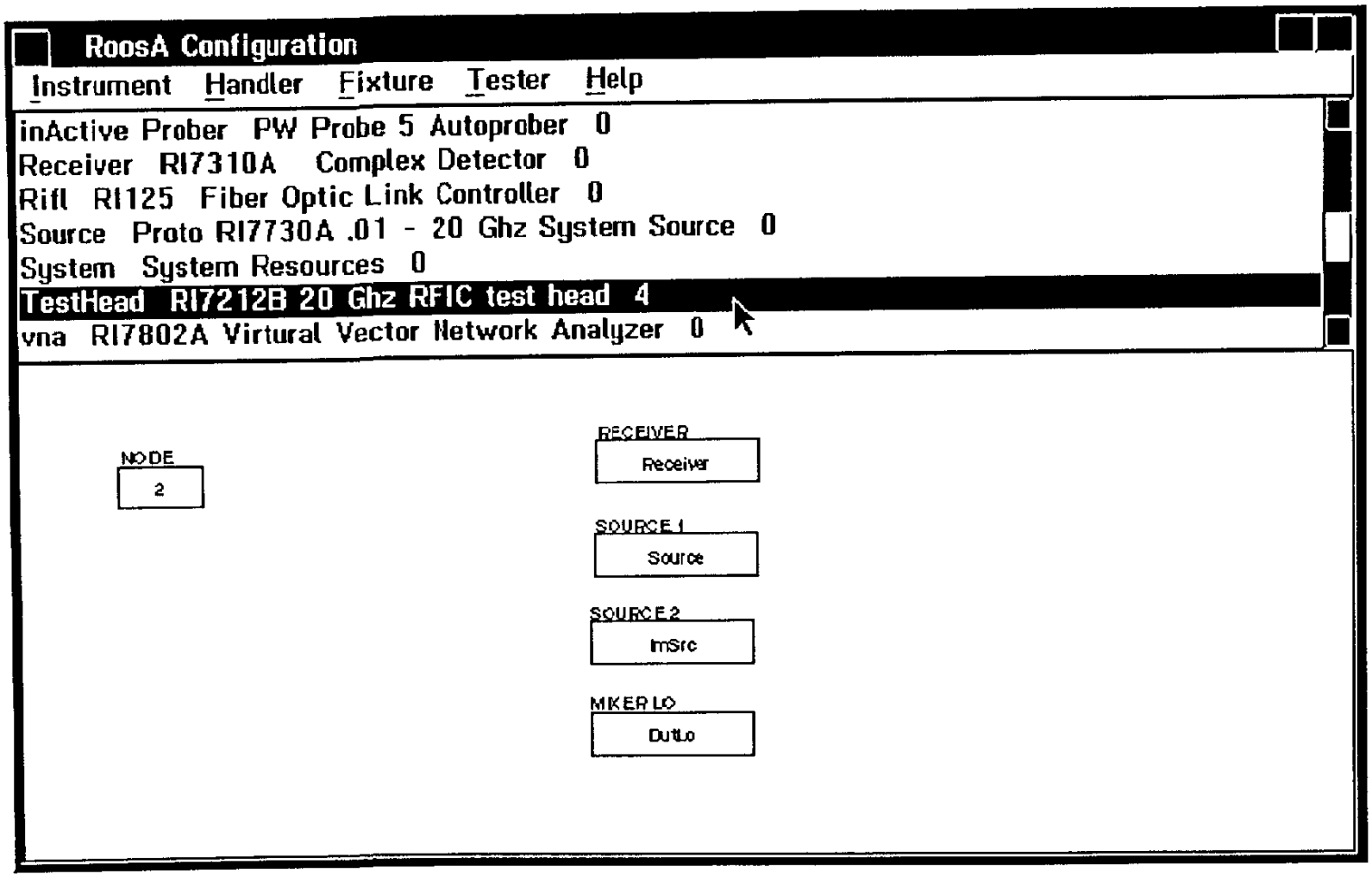
Edit Testers: Activate, View, Copy & Delete



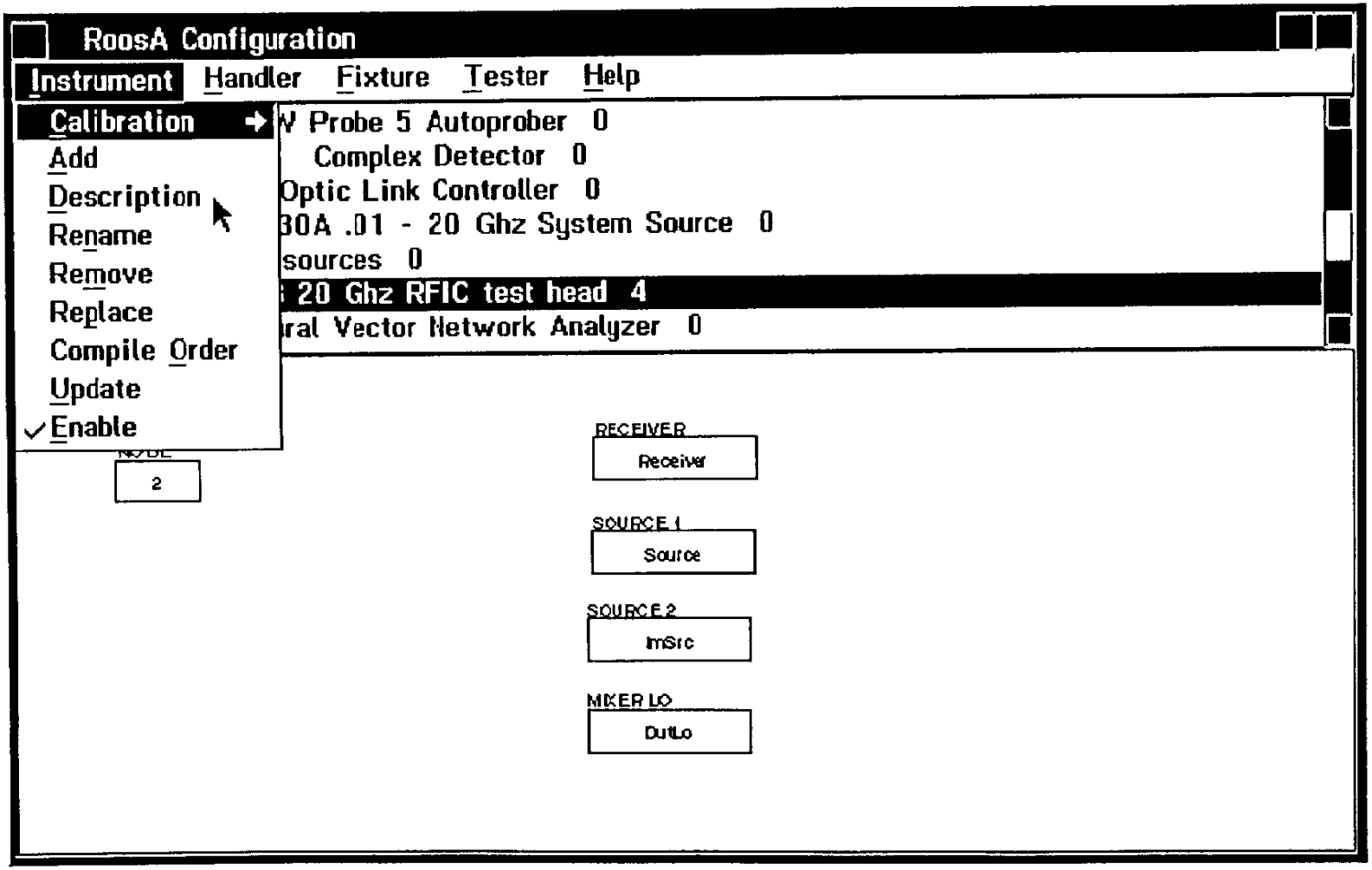
Active Tester Functions: Configure



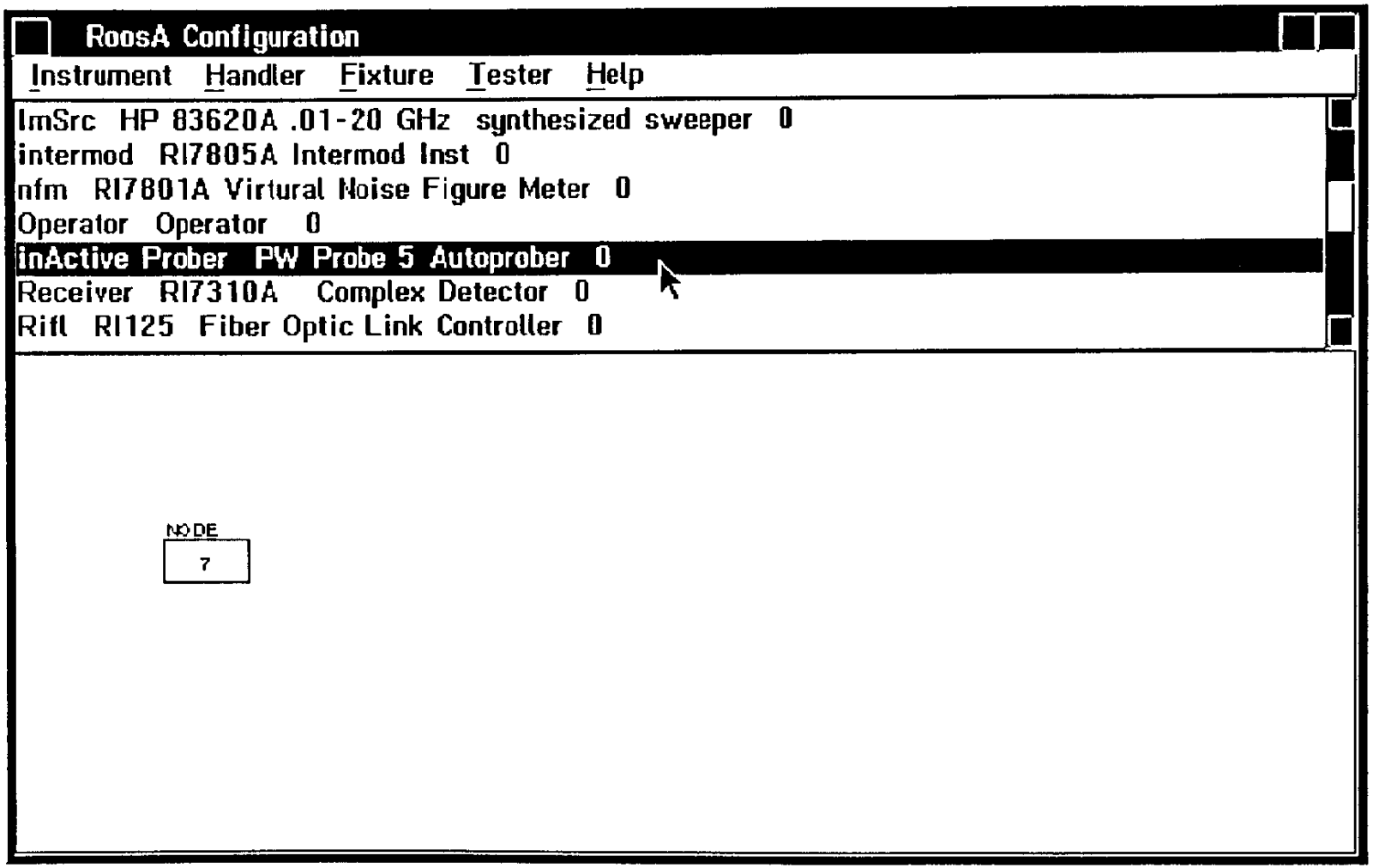
Tester Configuration Window



Configuring the Tester's Instrumentation

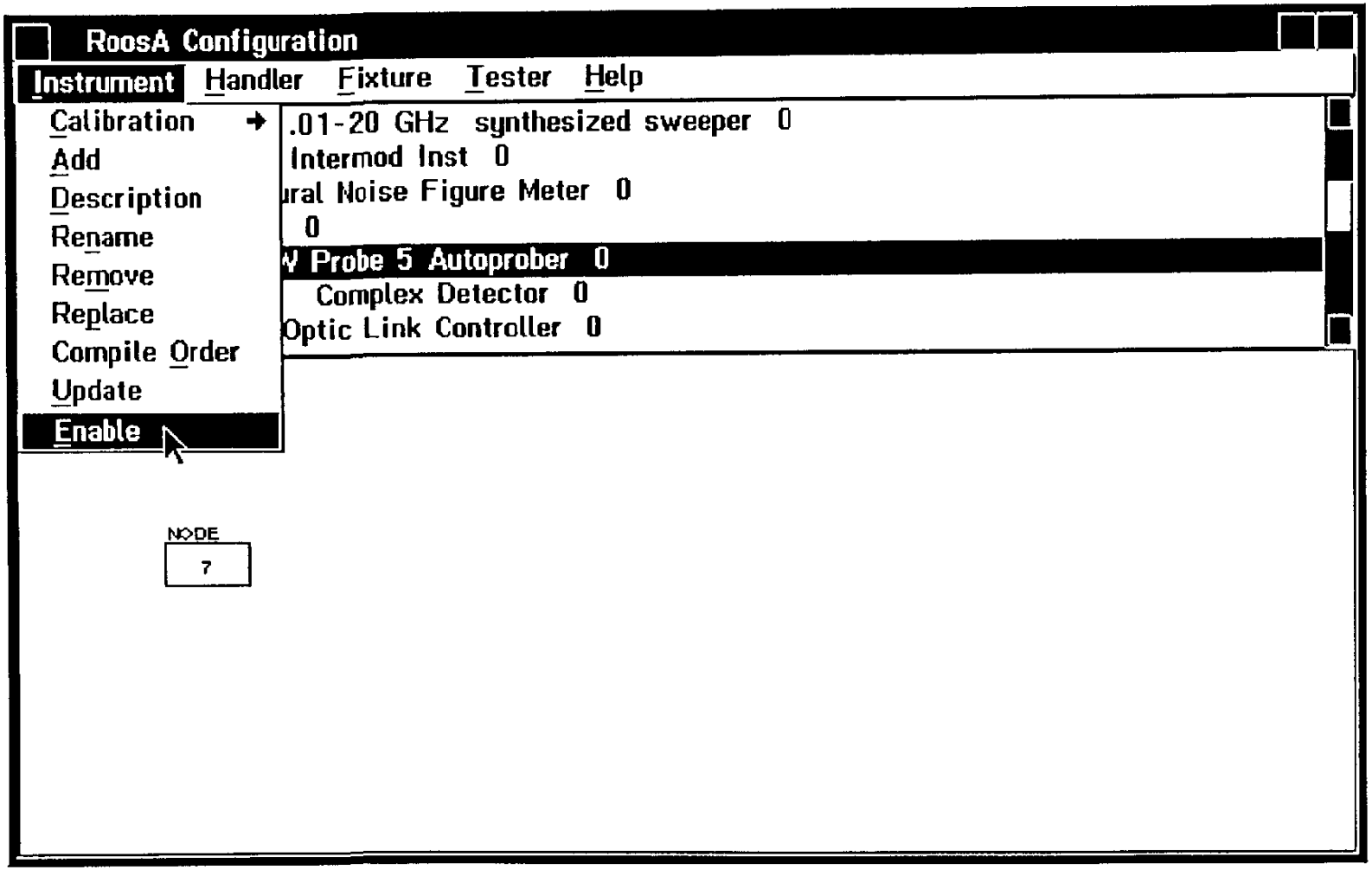


Activating an Instrument

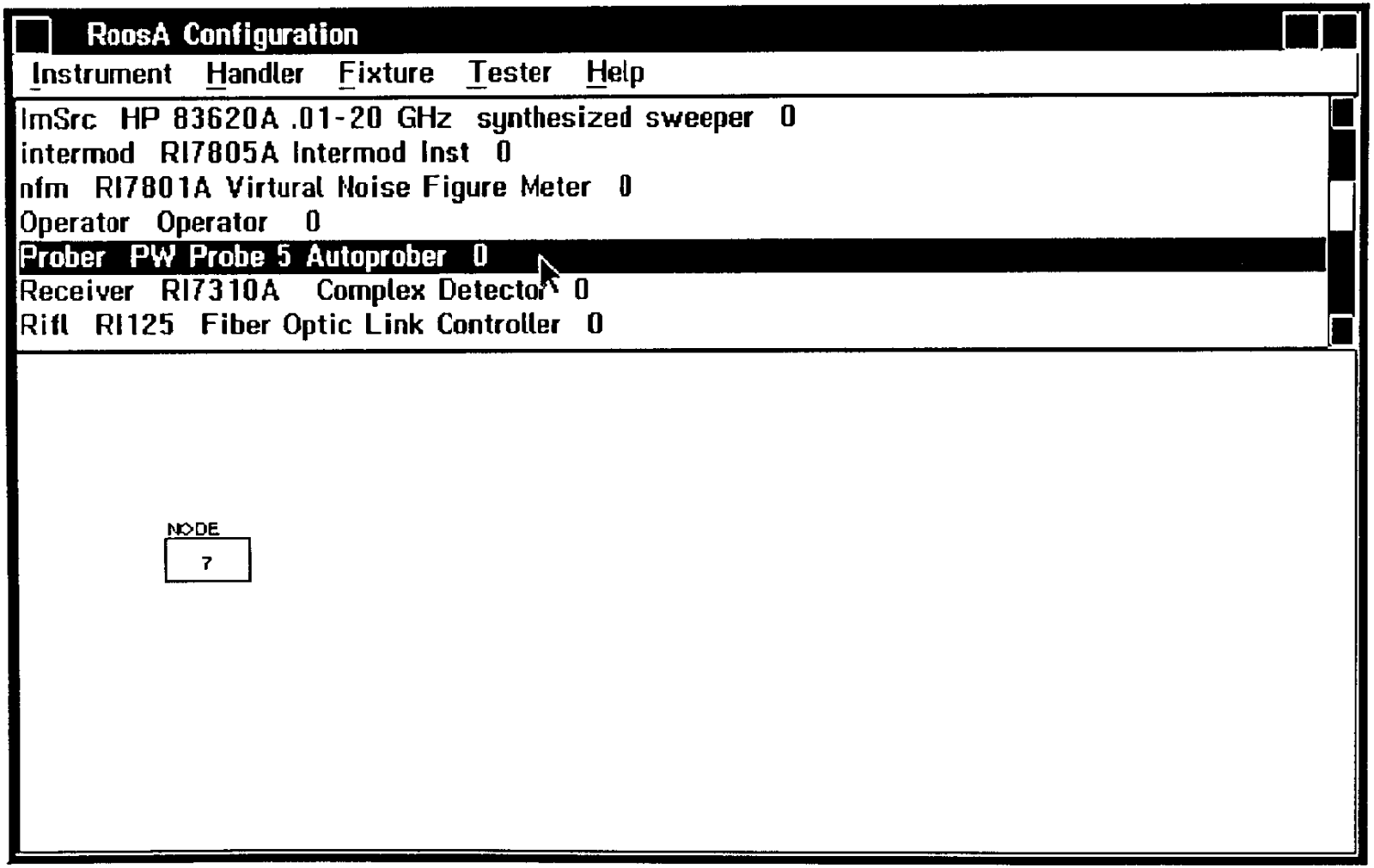


Roos Instruments

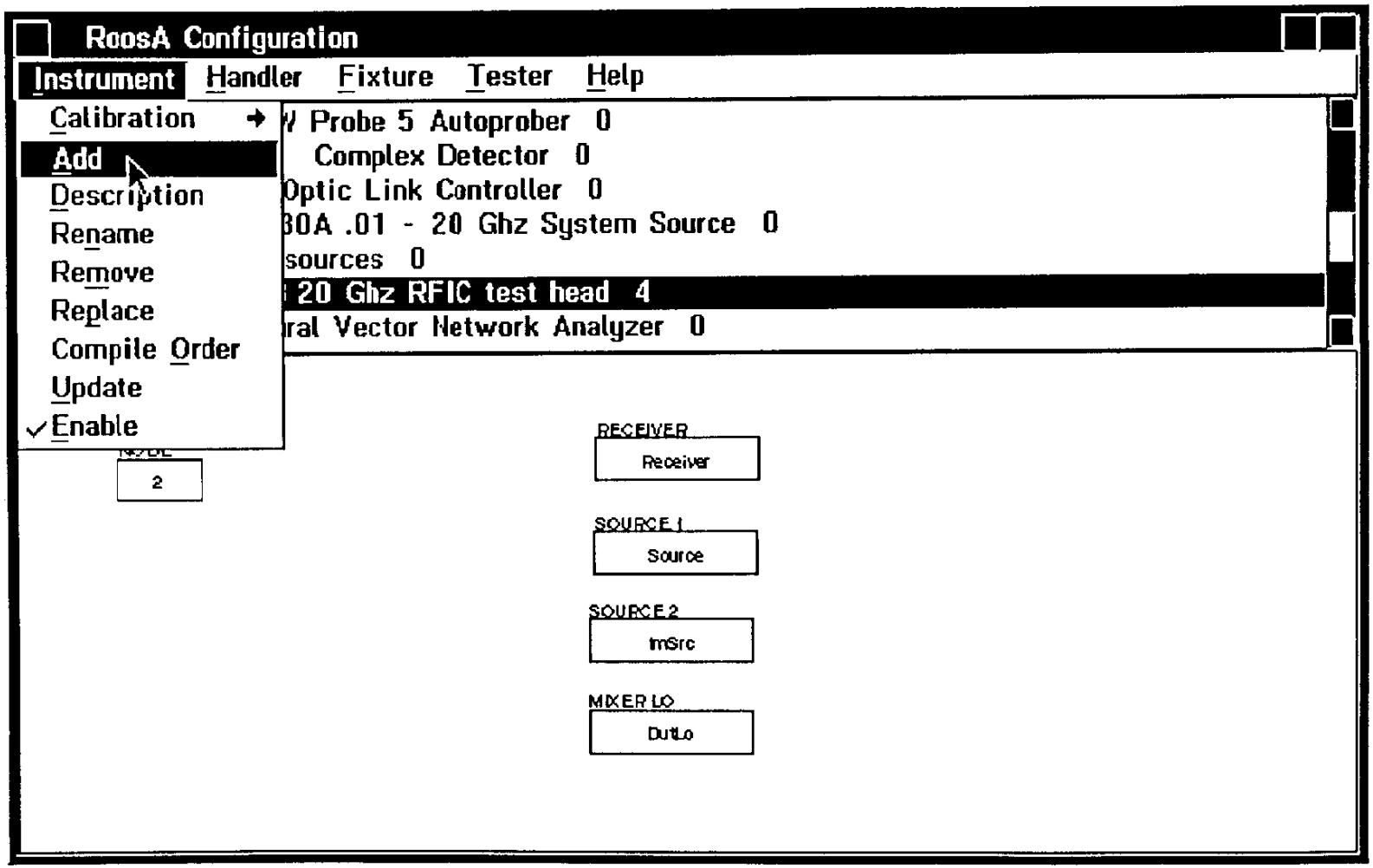
Activating an Instrument (Continued)



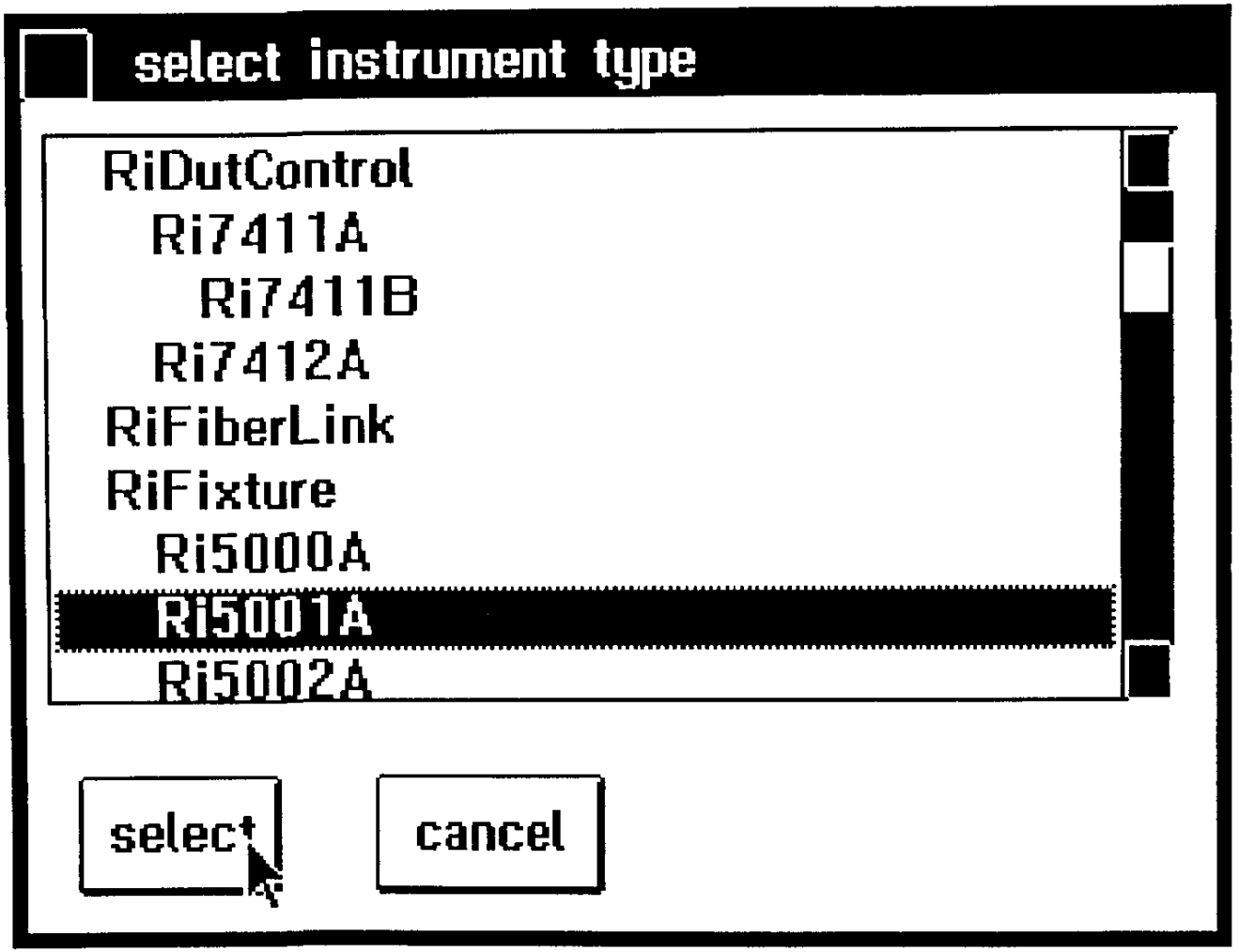
Activating an Instrument (Continued)



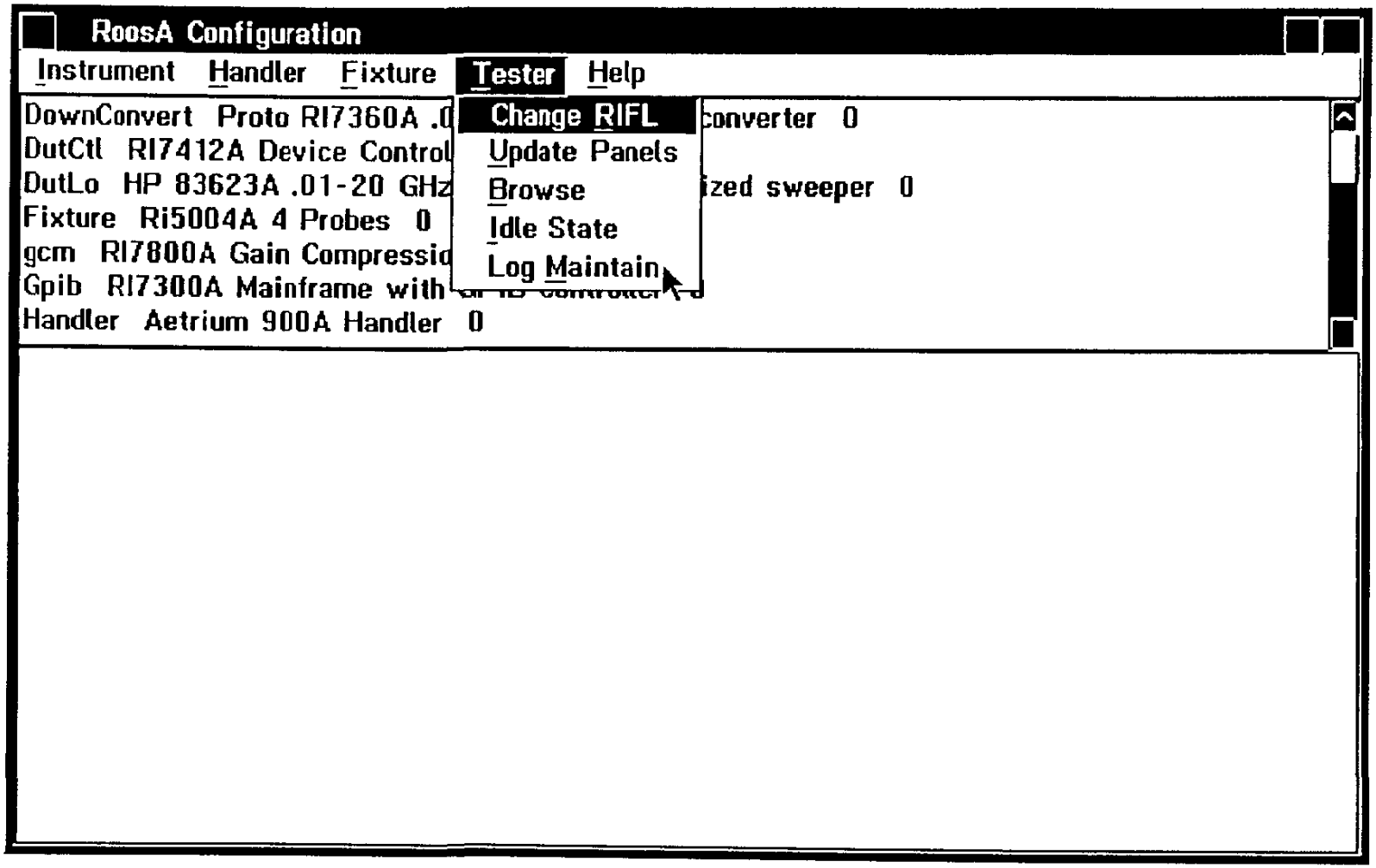
Adding a New Instrument



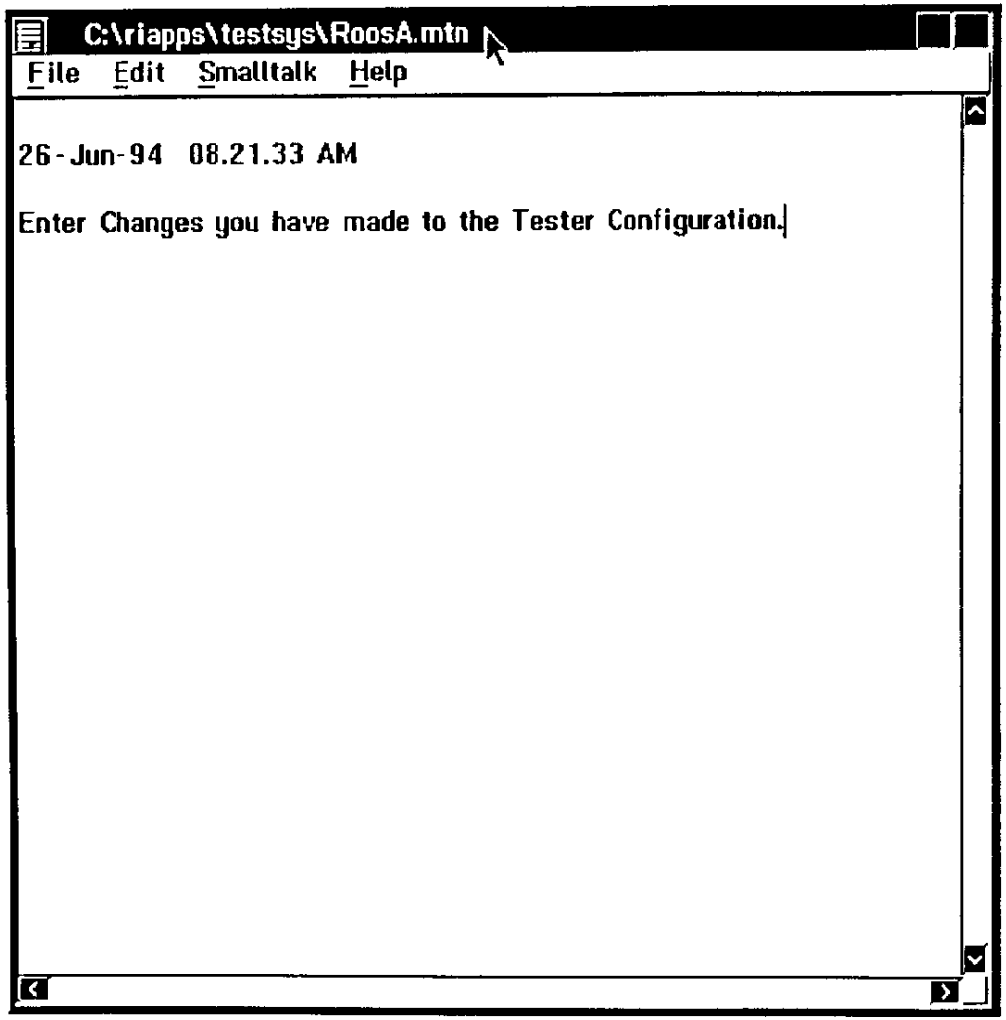
Adding a New Instrument (Continued)



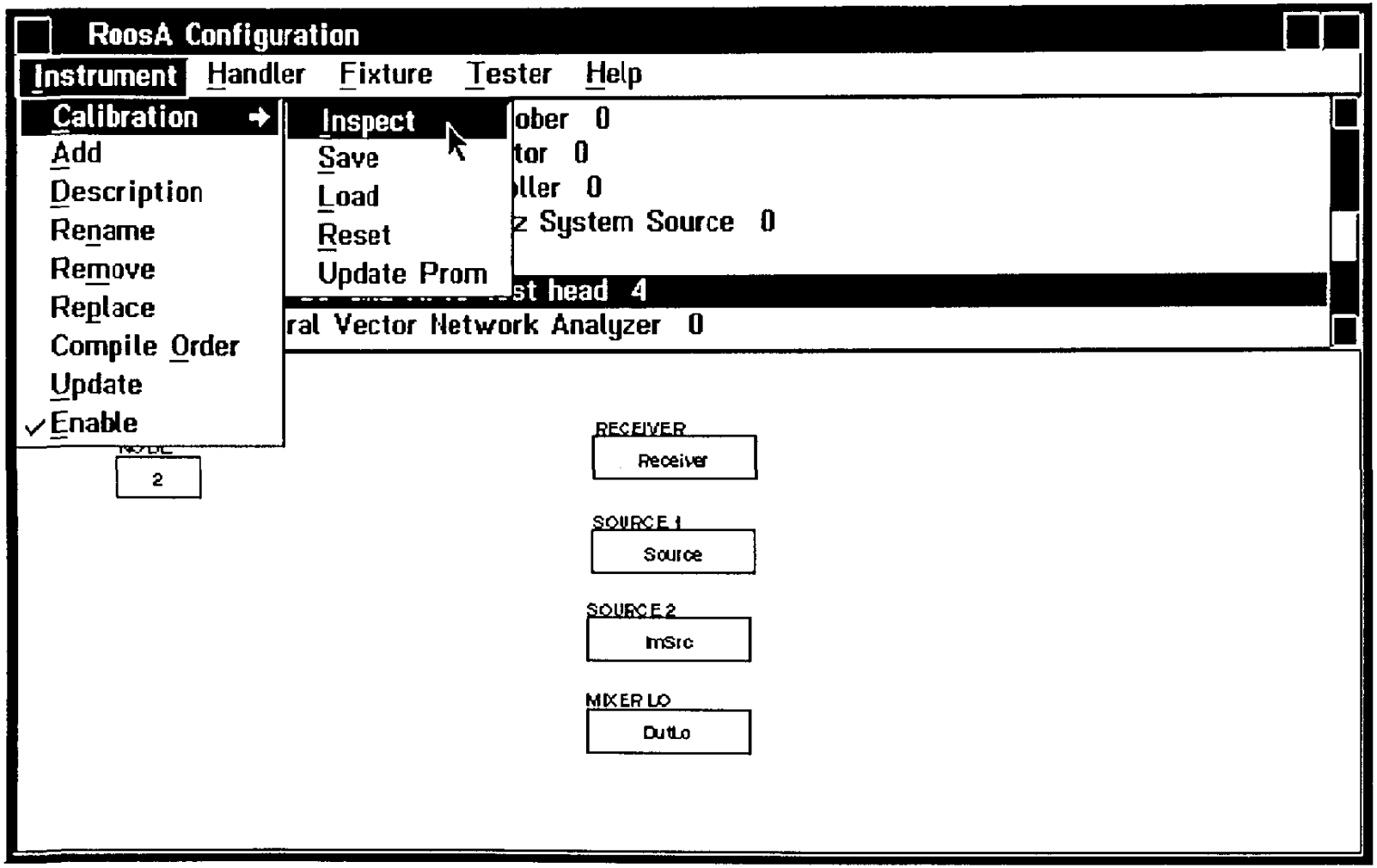
Opening Maintenance Log Window



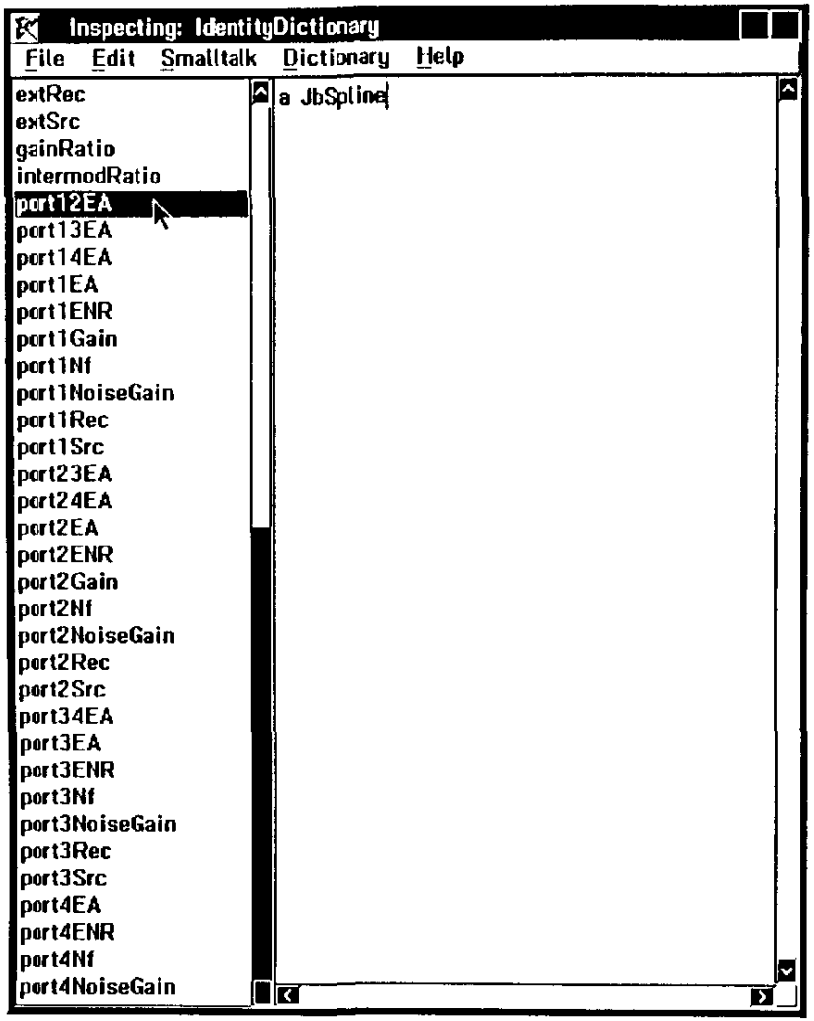
Maintenance Log Window



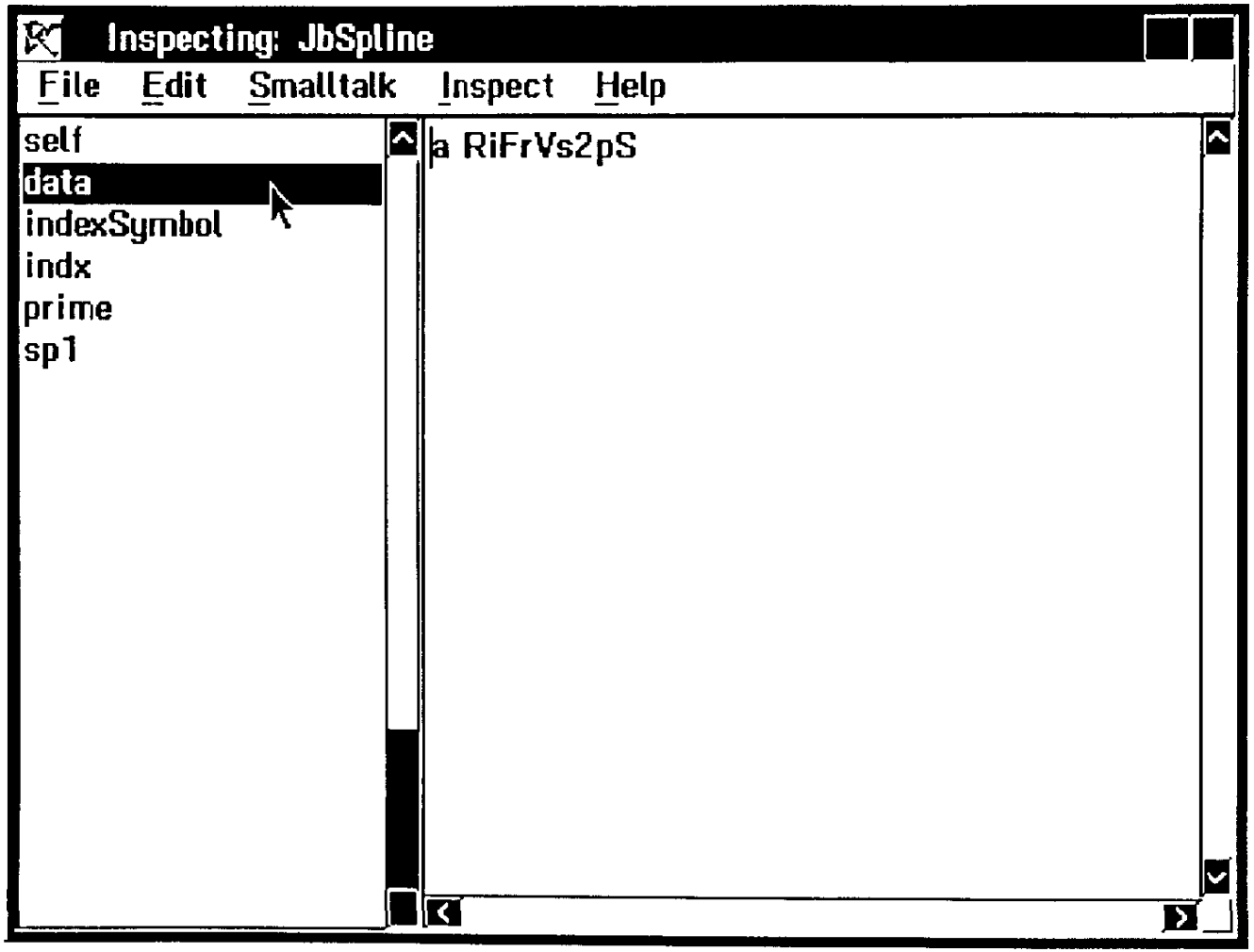
Inspecting Calibration Data



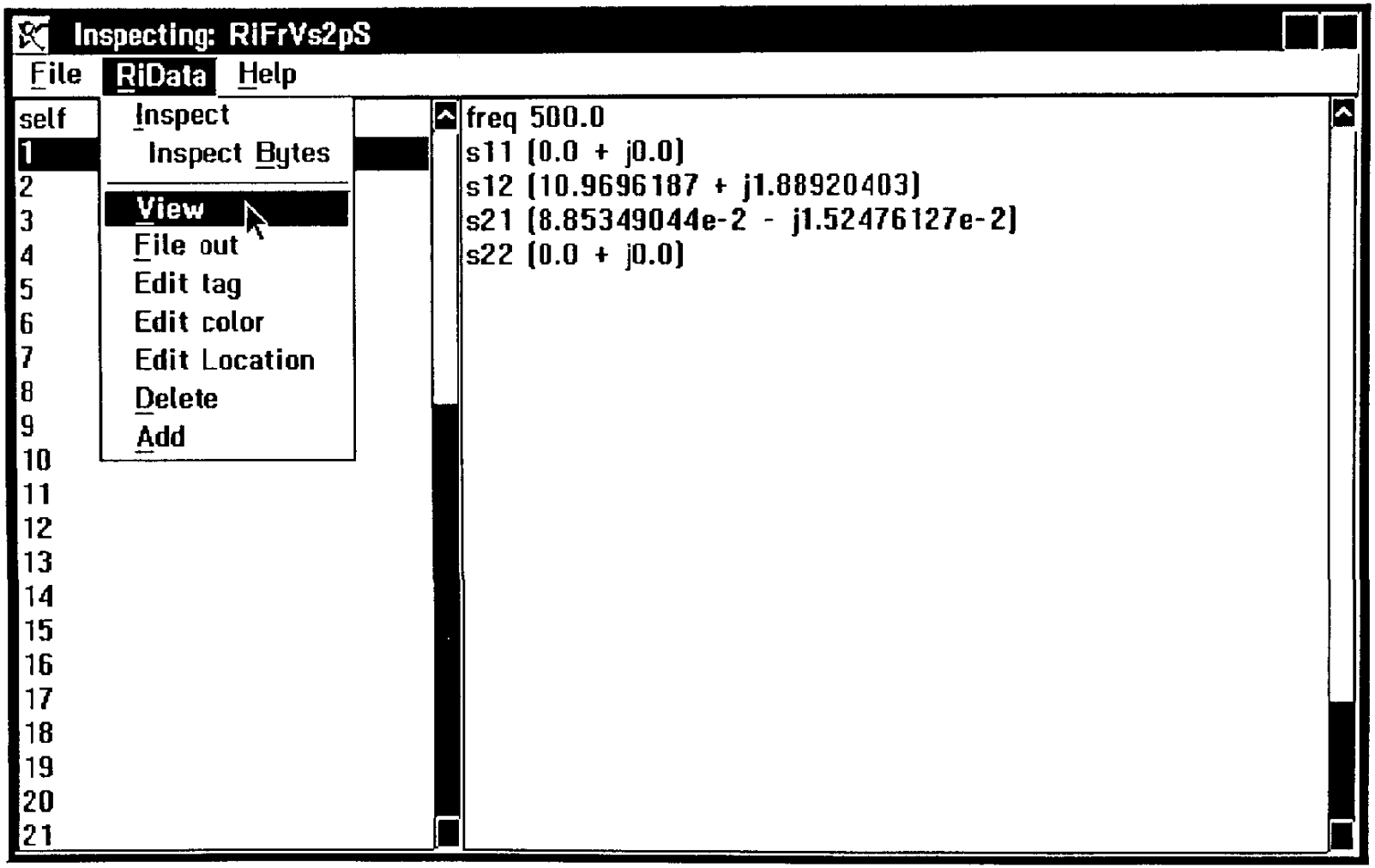
Inspecting Calibration Data (Continued)



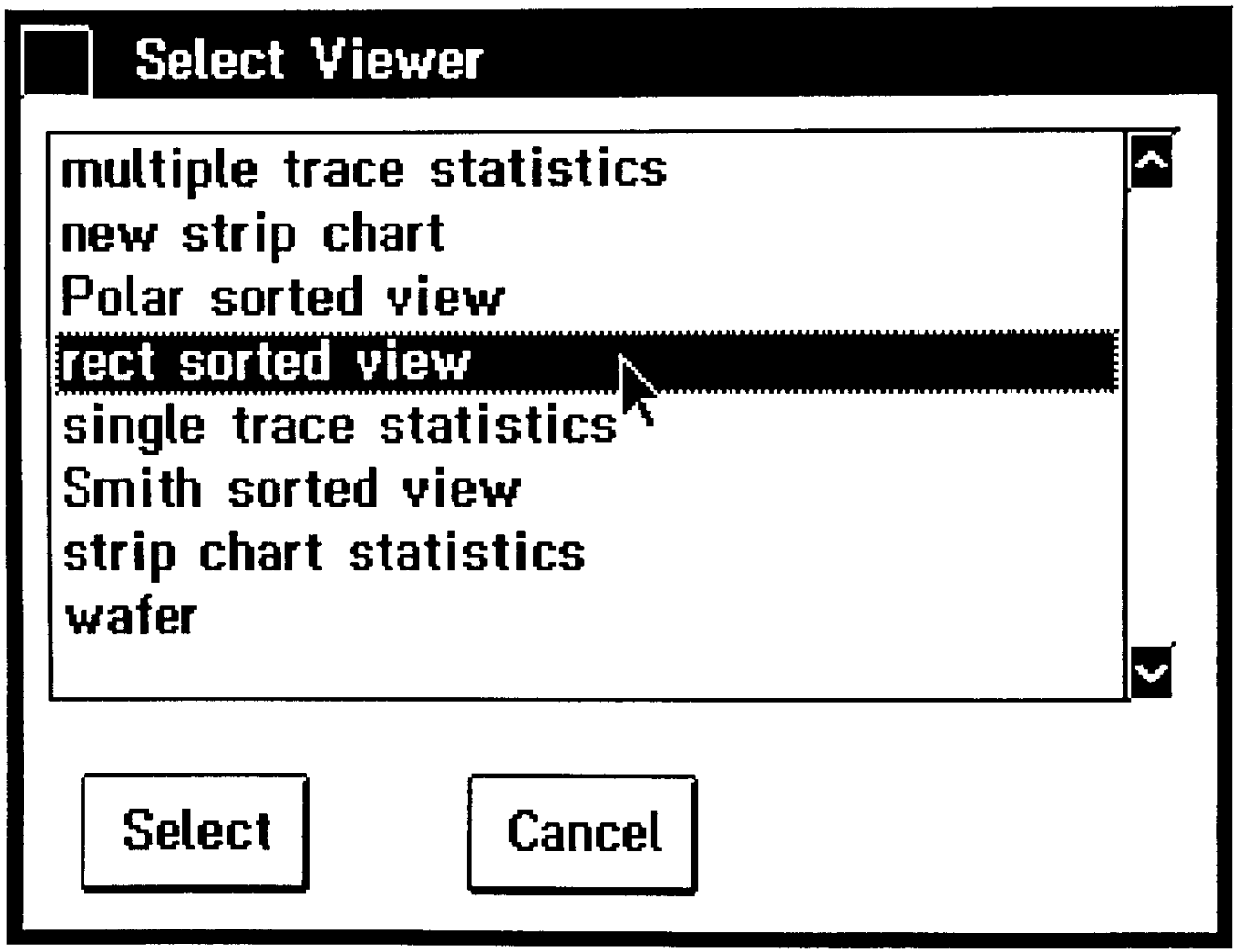
Inspecting Calibration Data (Continued)



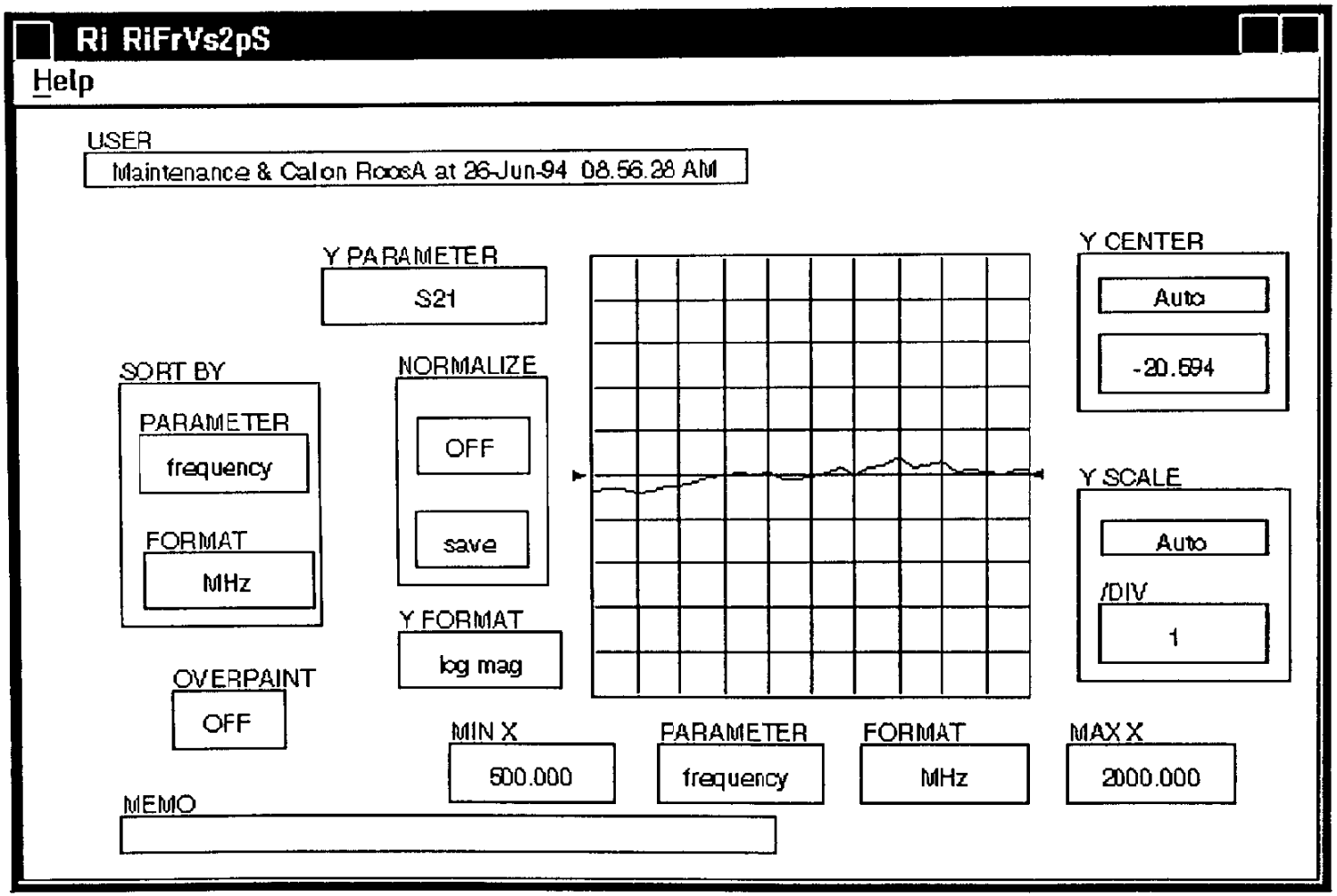
Inspecting Calibration Data (Continued)



Selecting a Viewer for the Cal Data Selected



S21 Cal Data for Test Head port12EA



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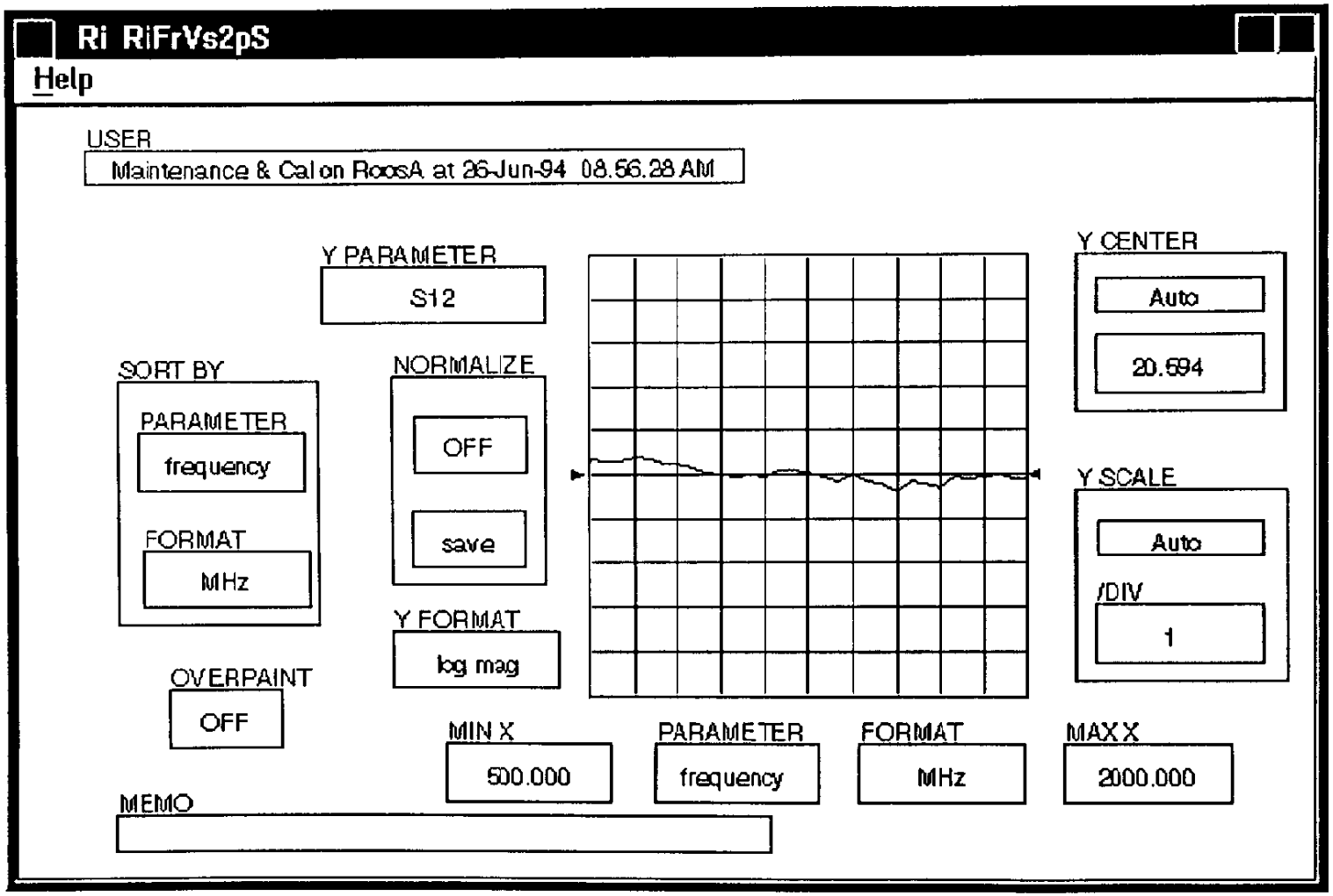
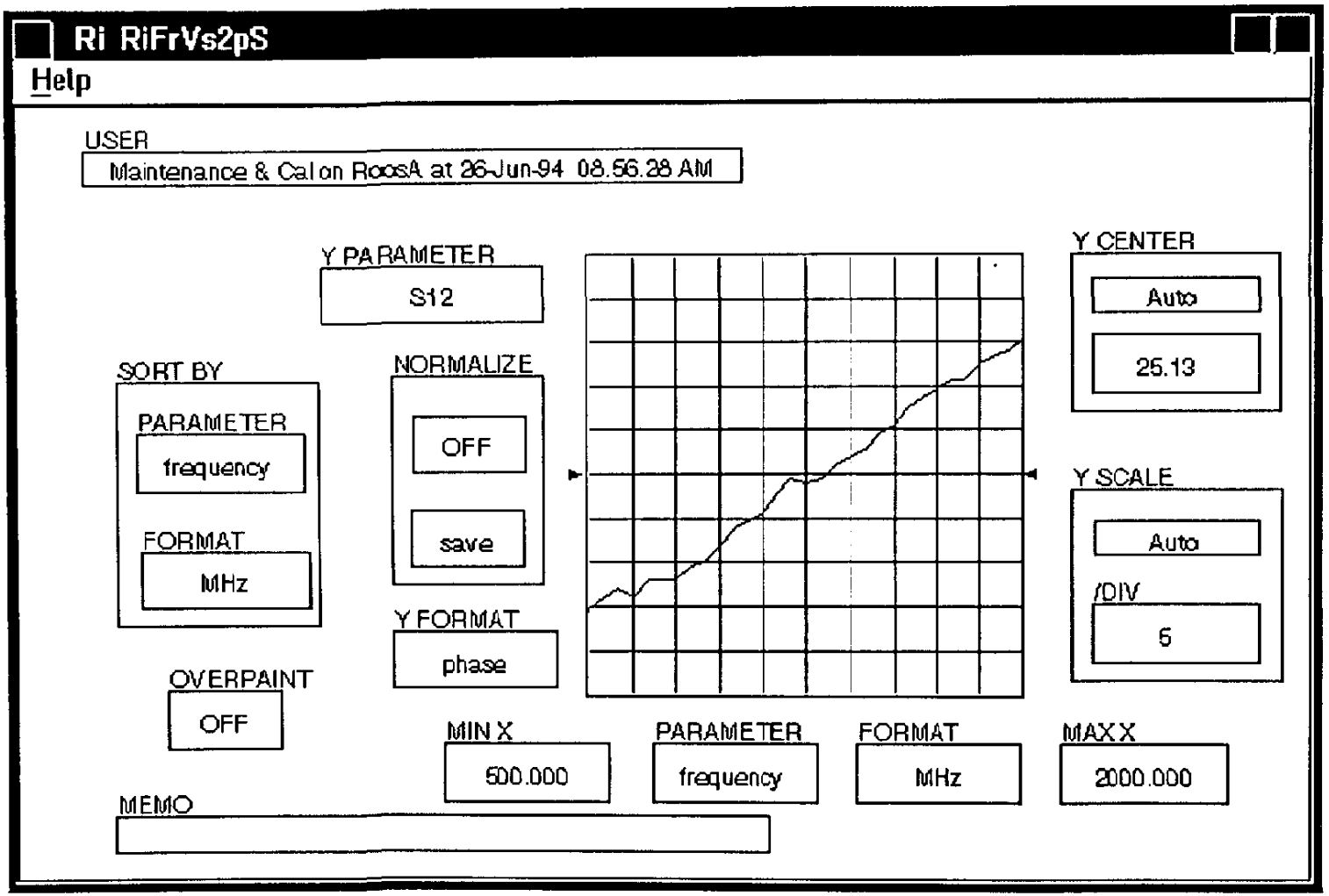
S12 Cal Data for Test Head Port12EA

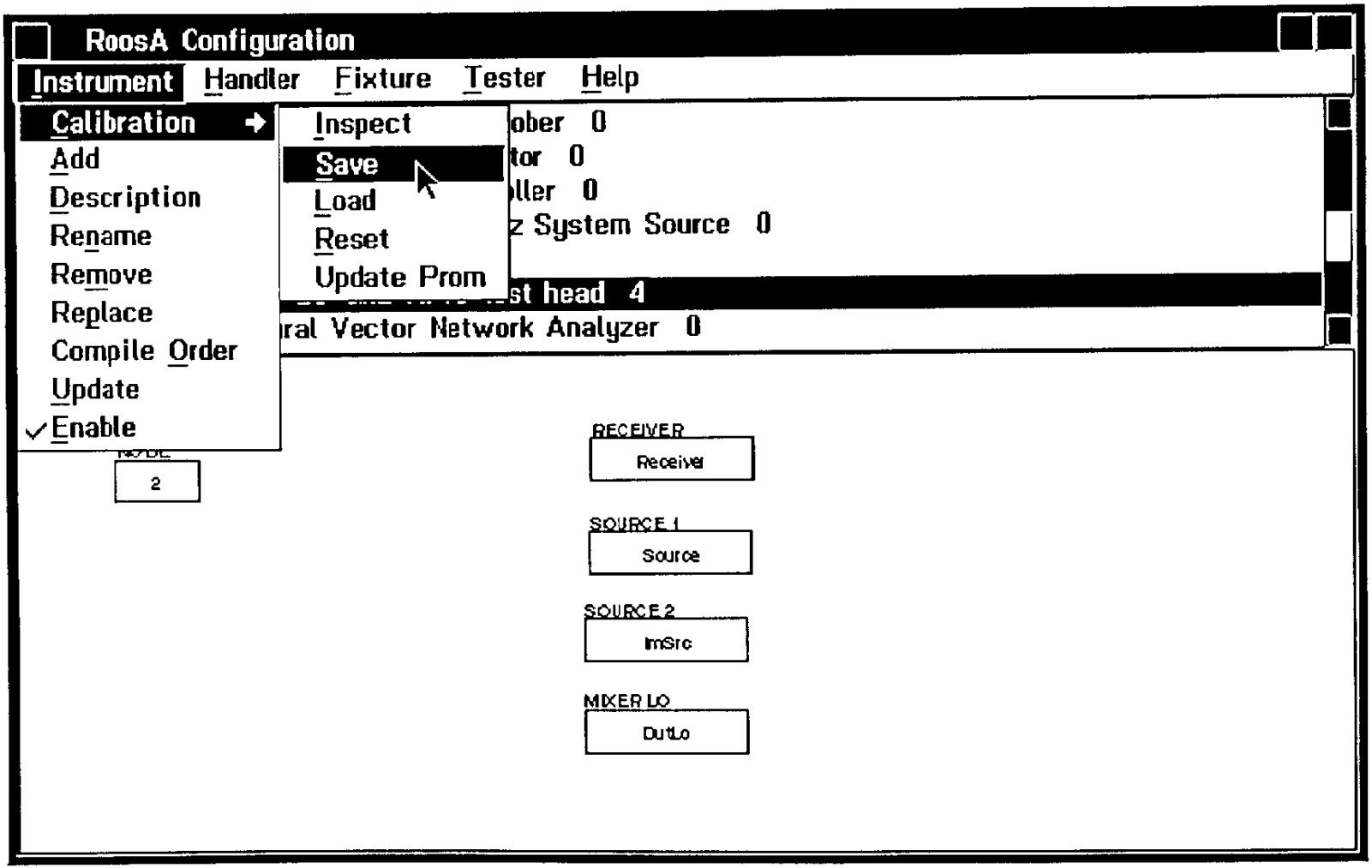


S12 Cal Data for Port12EA - Phase

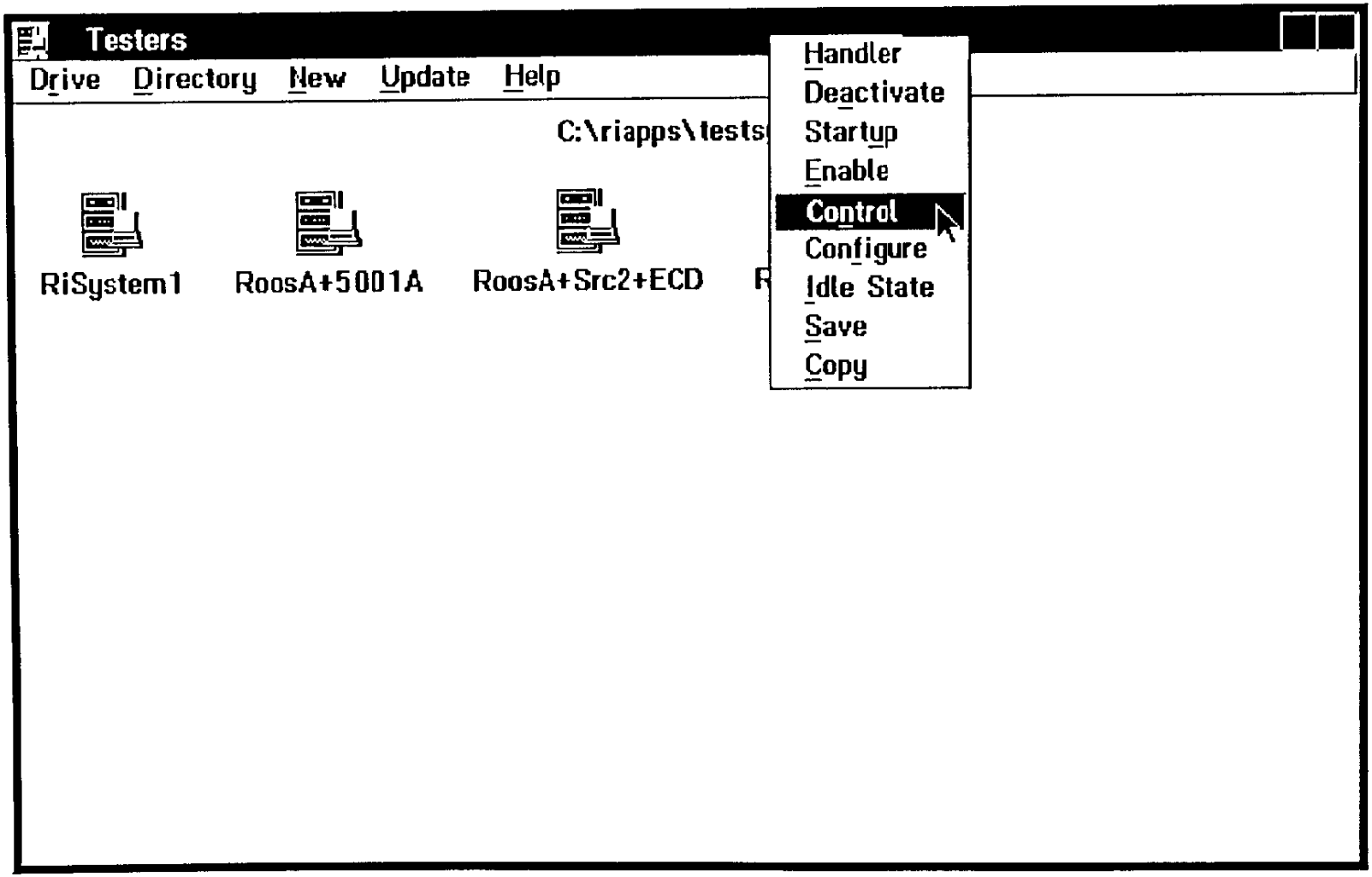


Roos Instruments

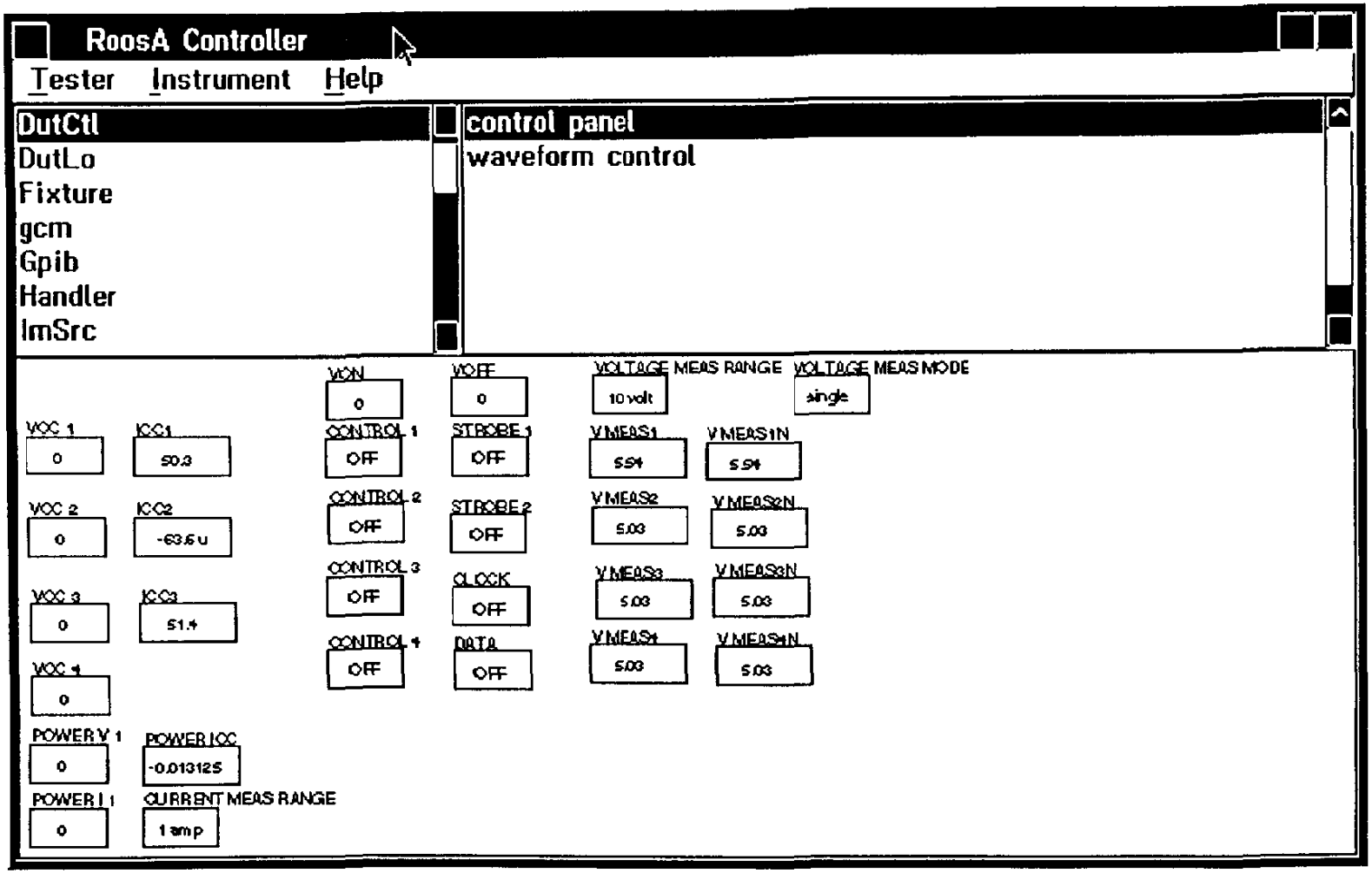
Other Instrument Calibration Functions



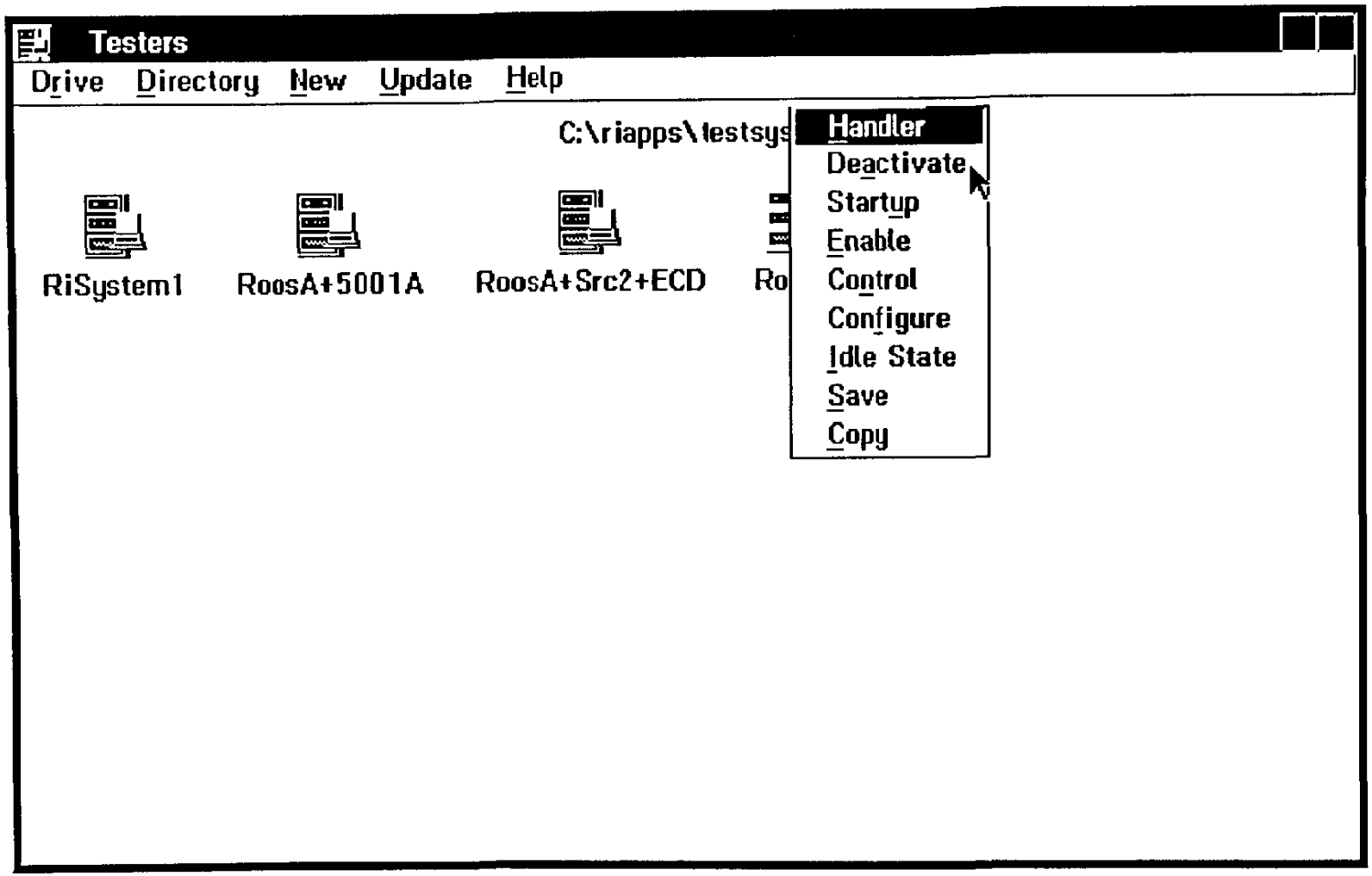
Active Tester Function: Control



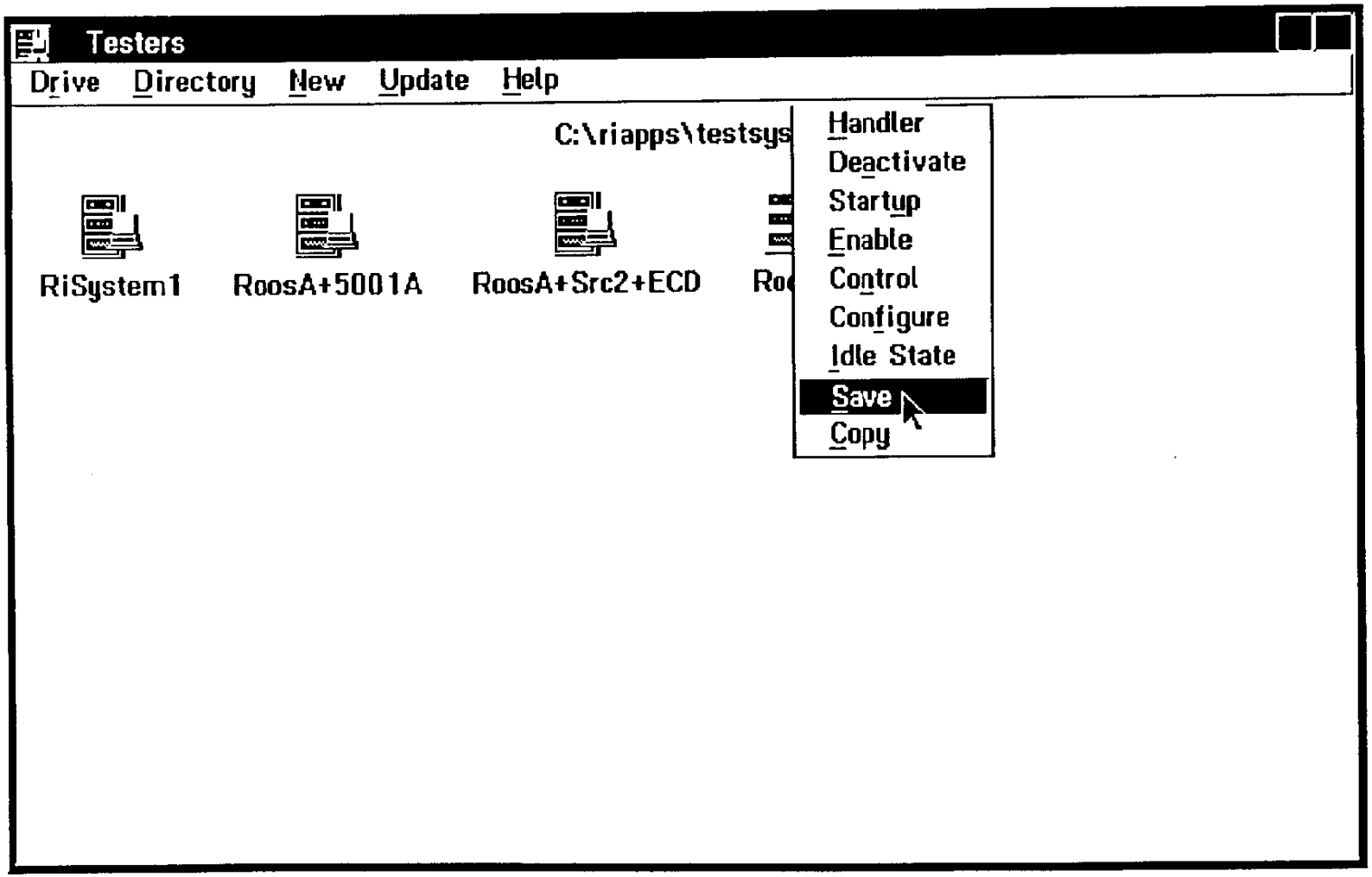
Tester Manual Control Window - RoosA



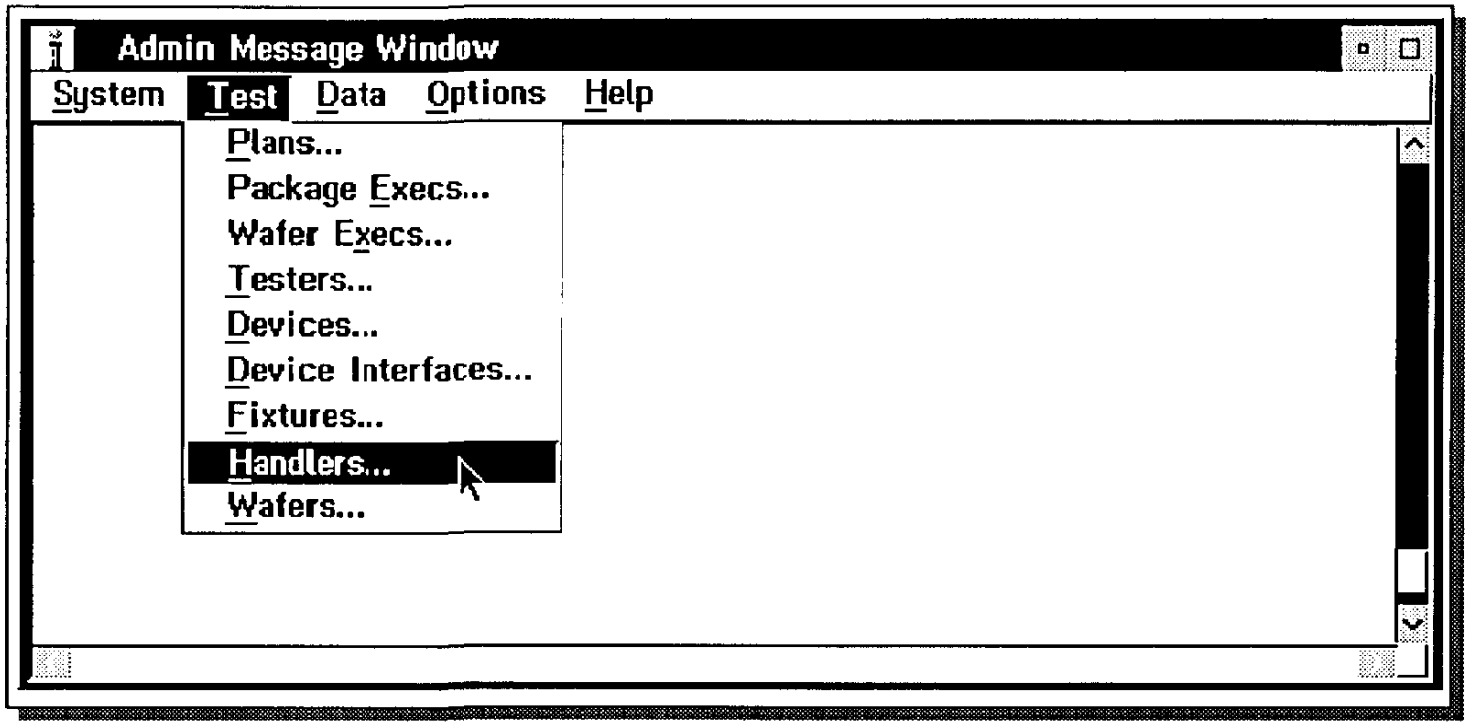
Other Active Tester Functions



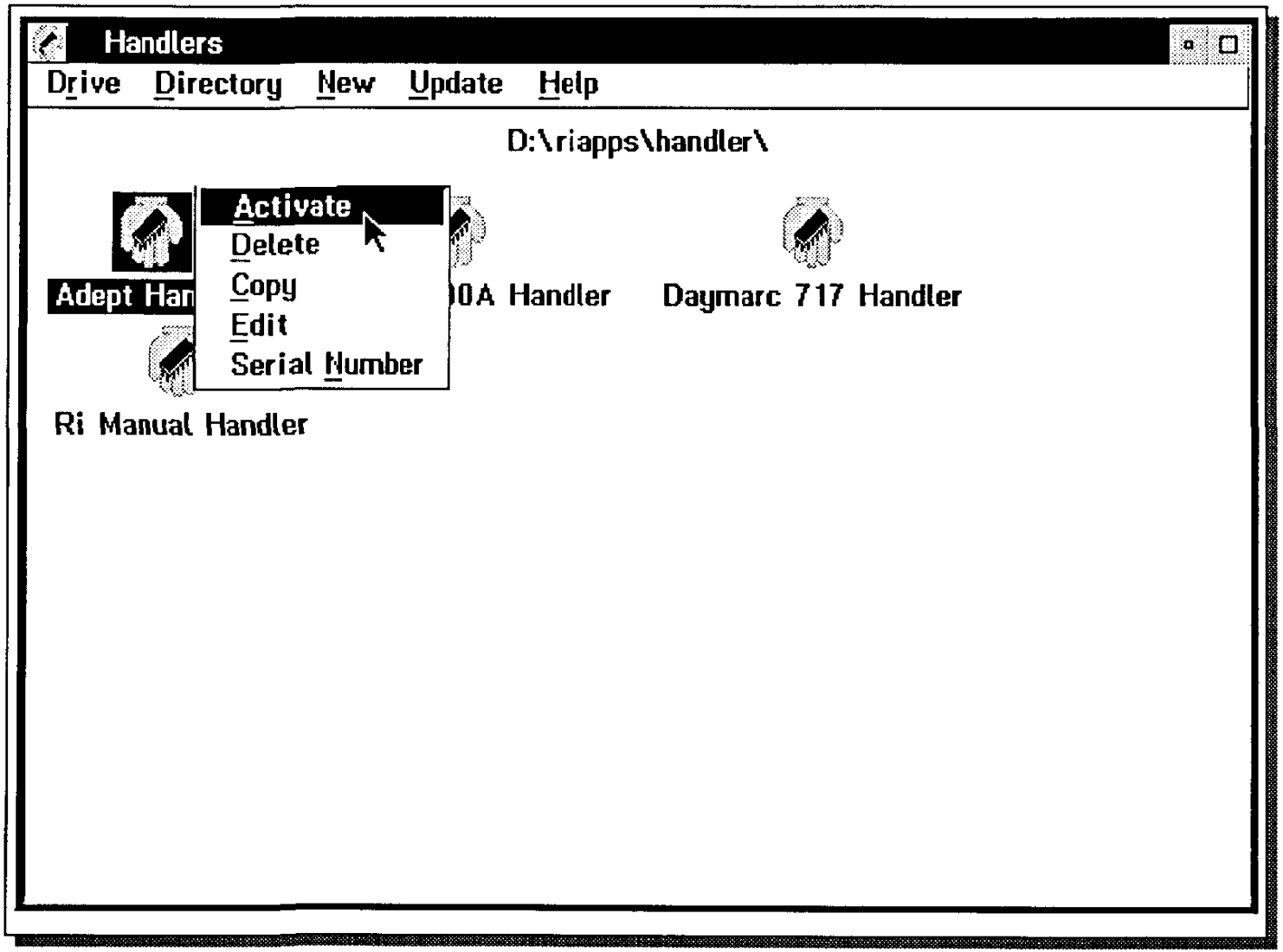
Changes are Only Permanent when Saved!!



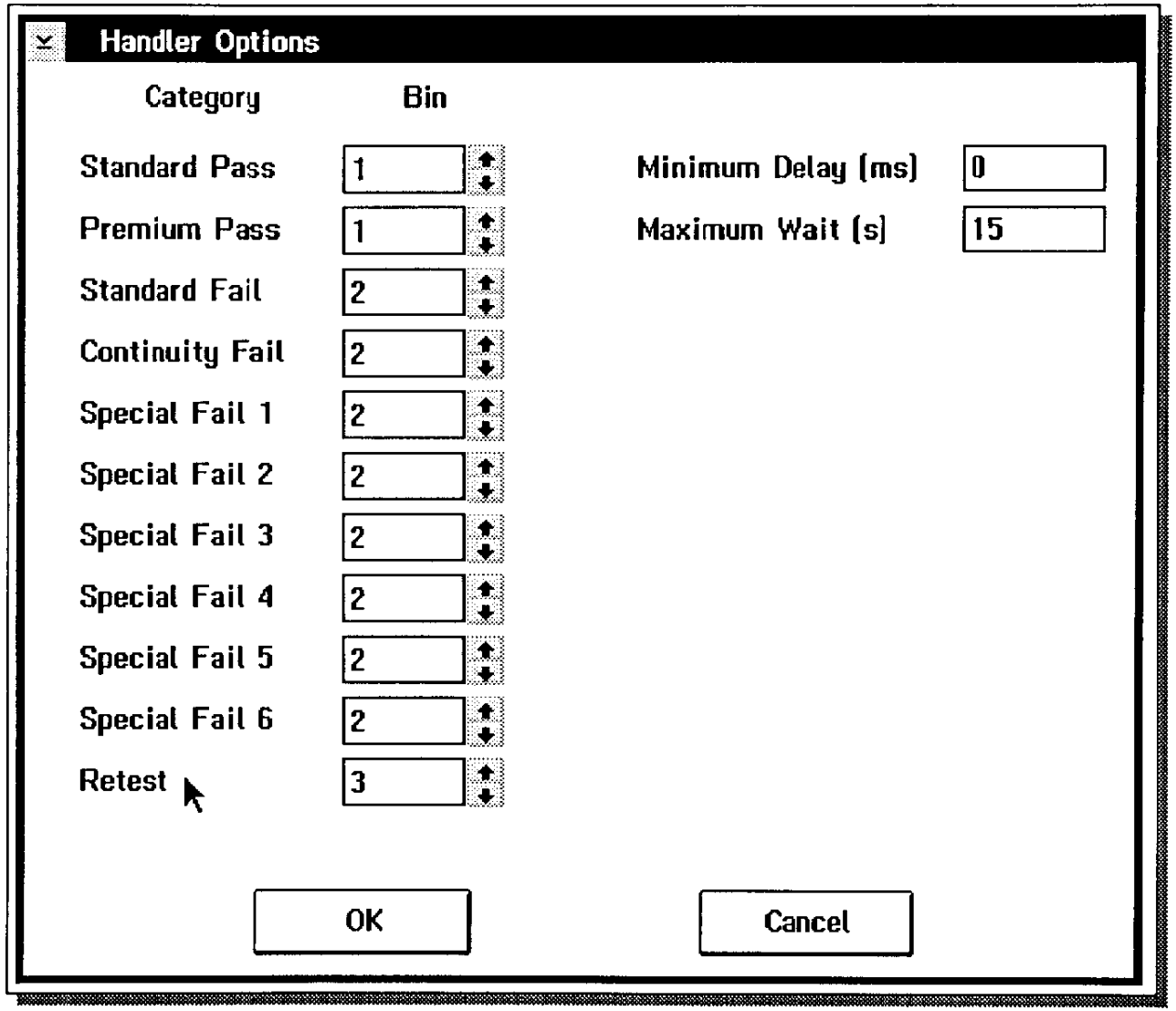
Opening the Handler Container Window



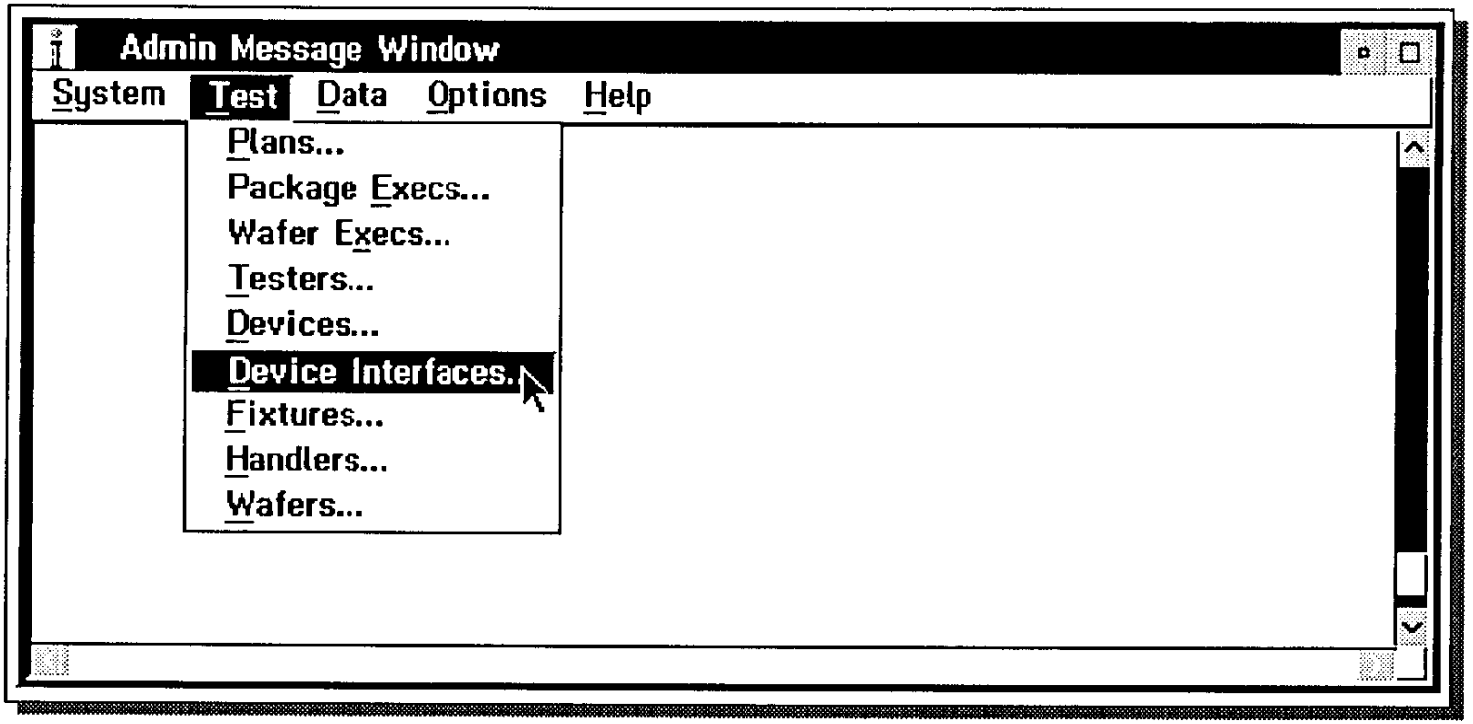
Handler Container Window Functions



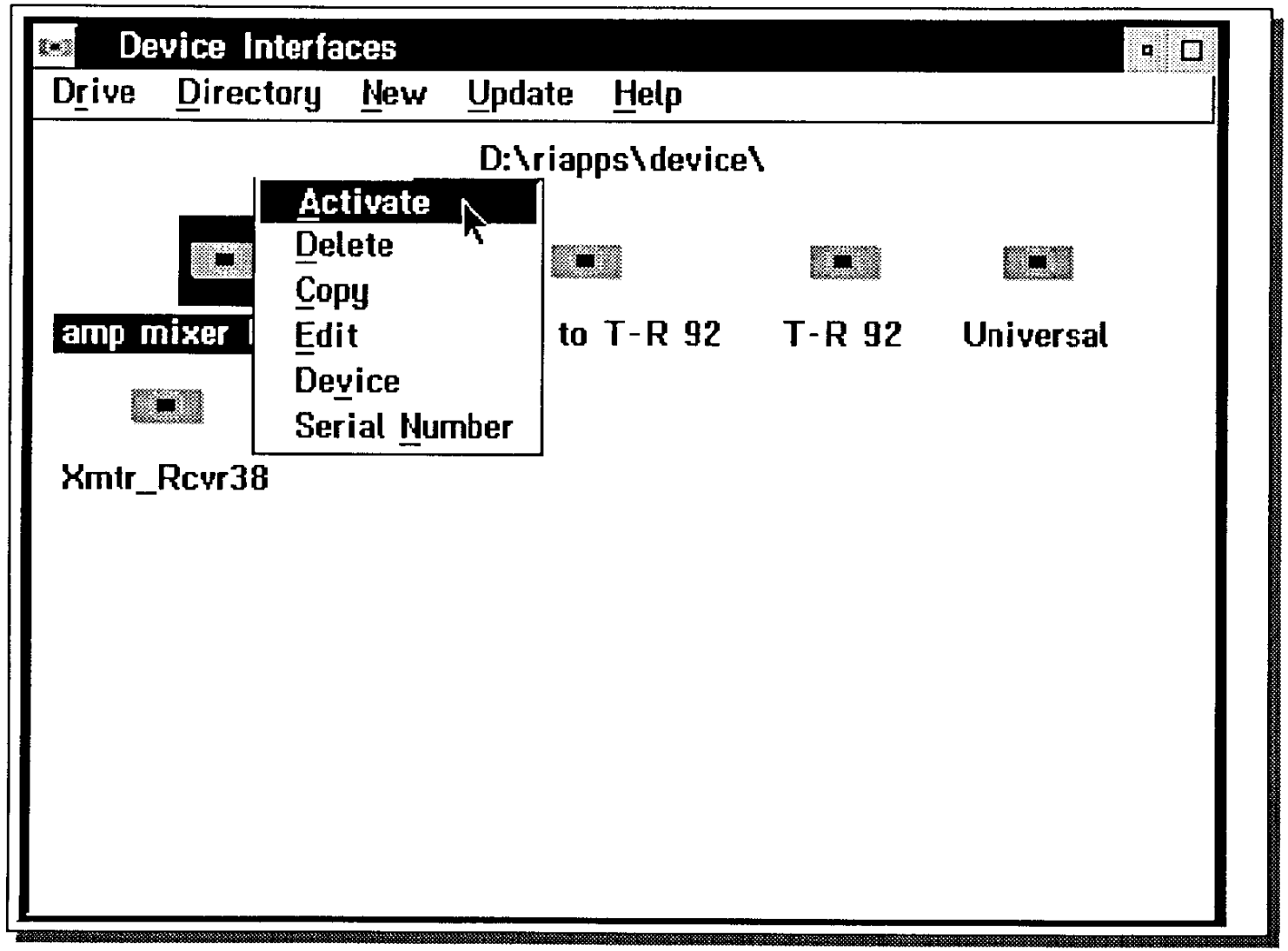
Defining the Handler Options



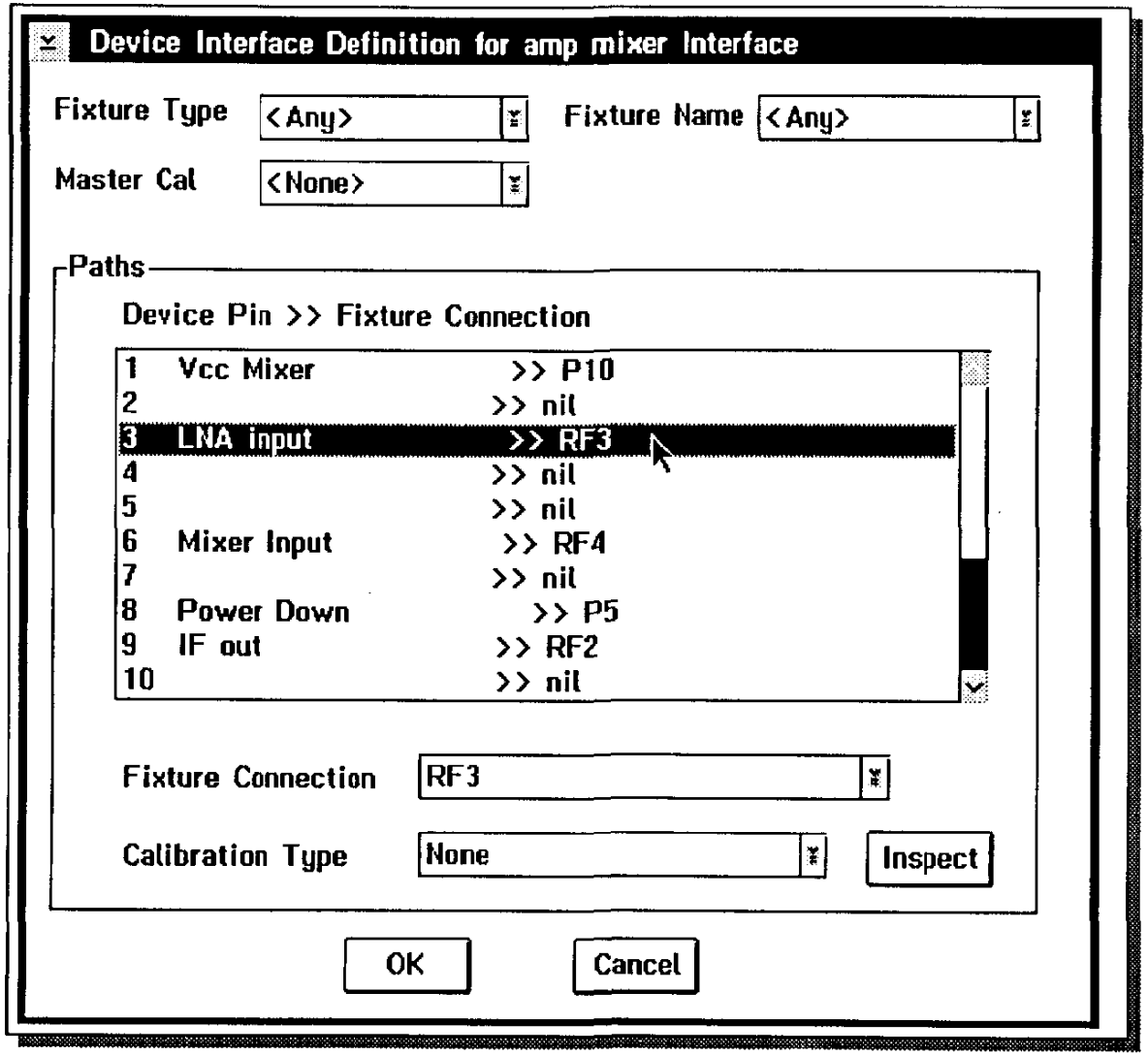
Opening the Device Interface Container Window



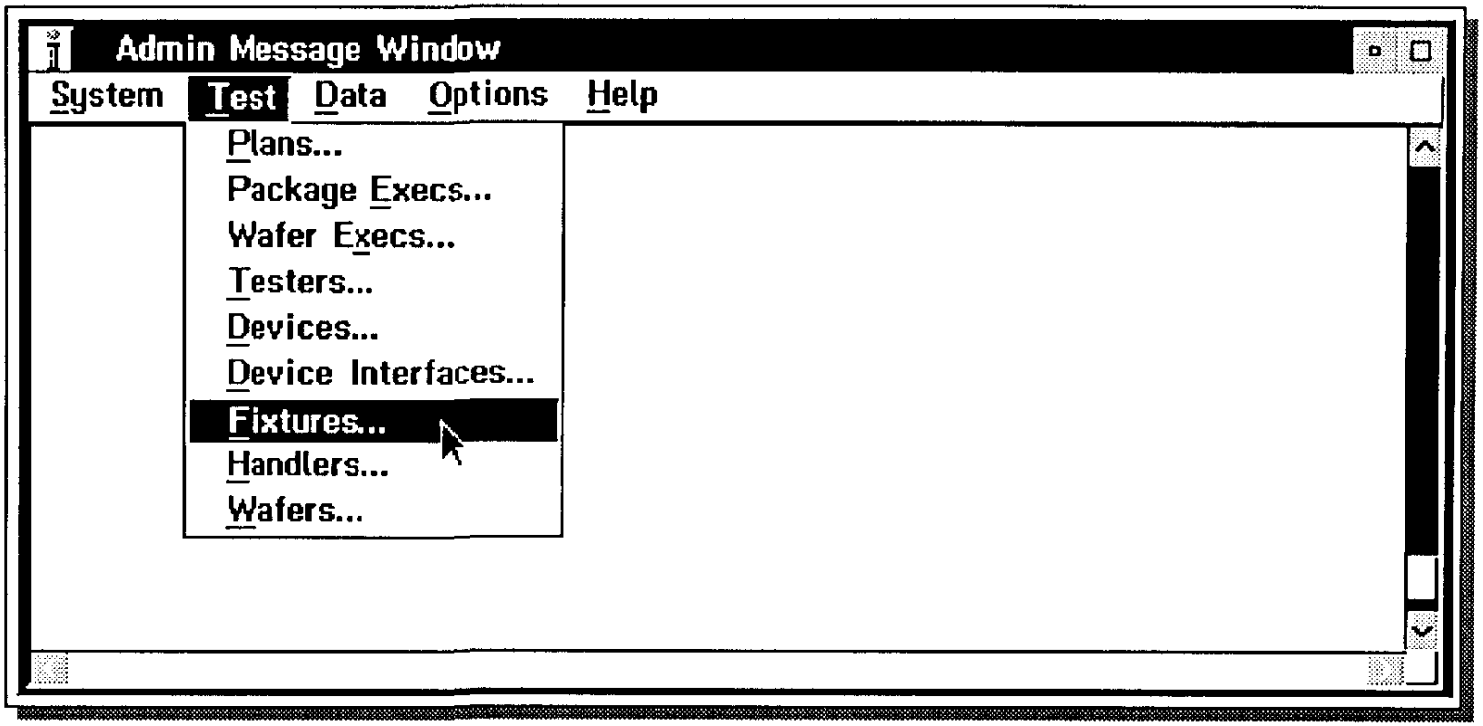
Device Interface Container Window Functions



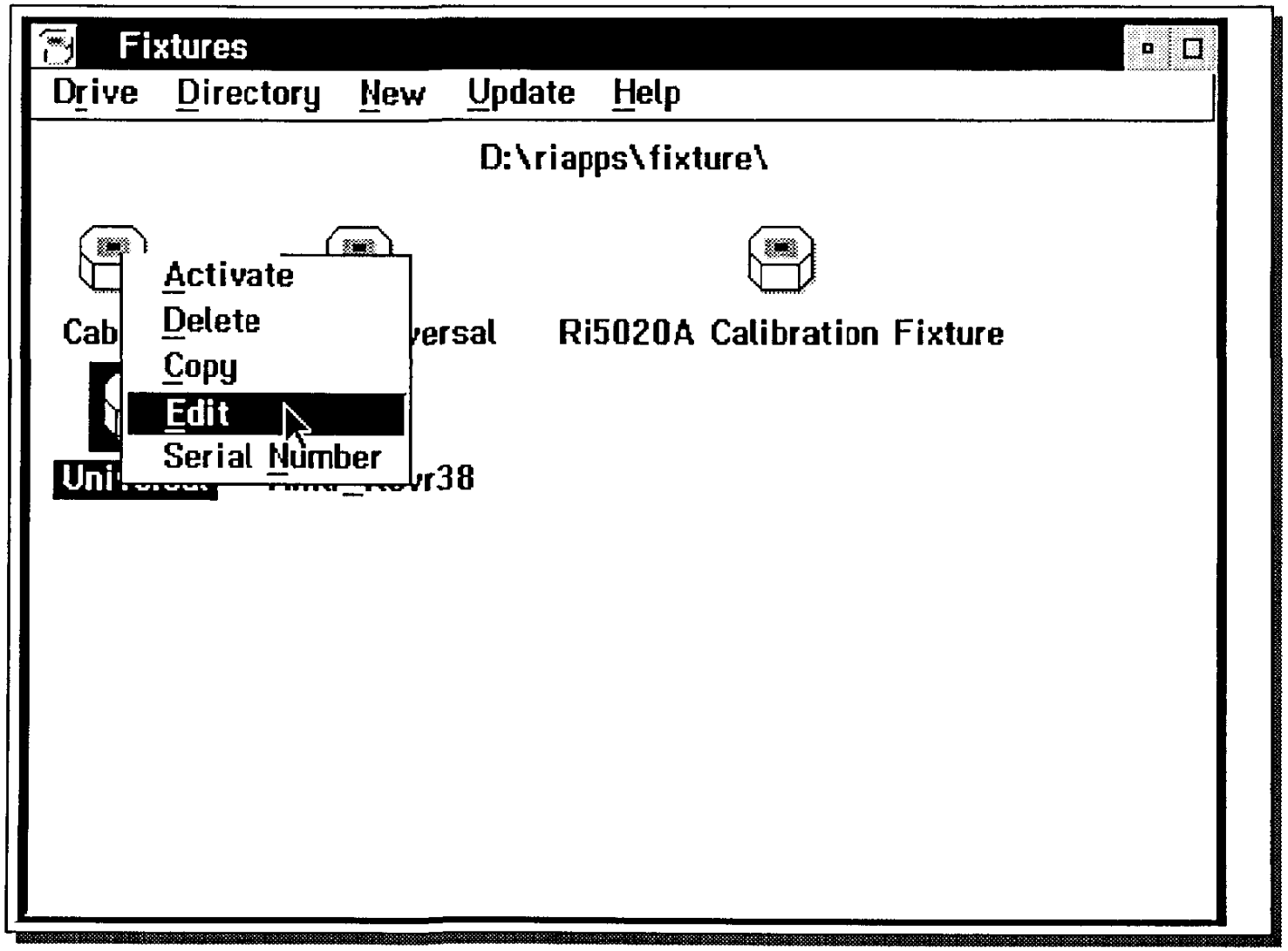
Defining the Device Interface



Opening the Fixtures Container Window



Fixture Container Window Functions



Defining the Fixture