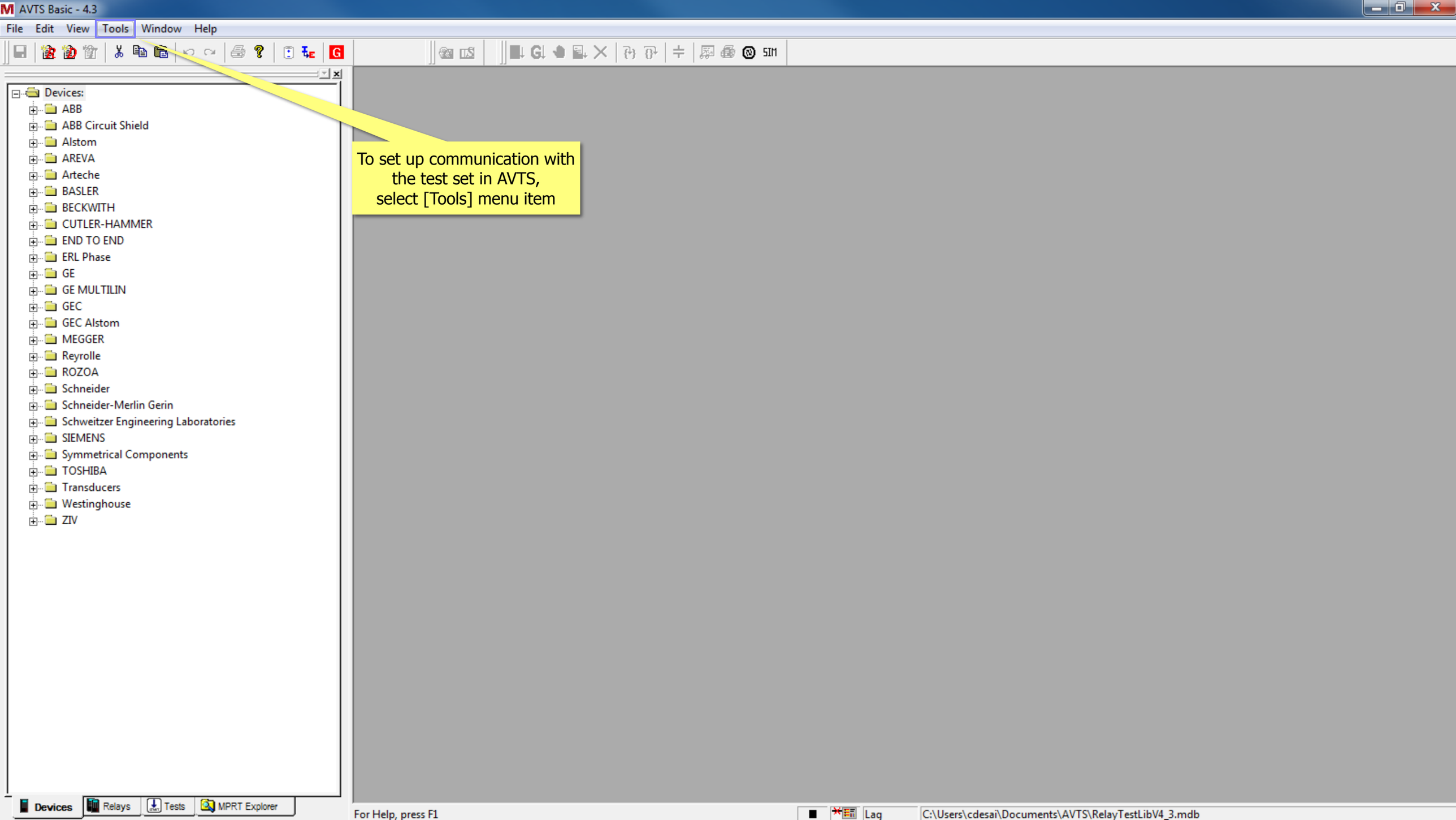
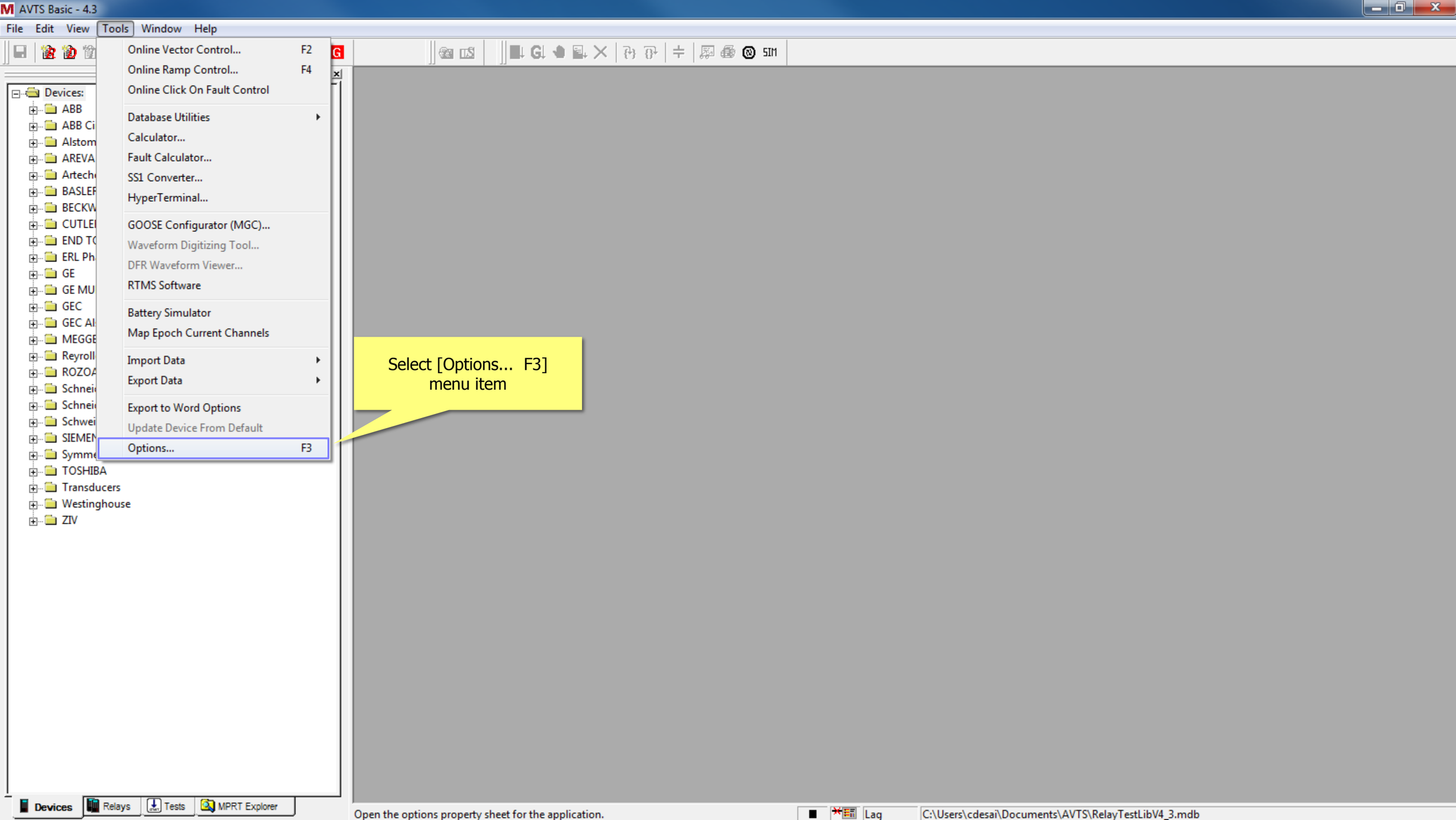
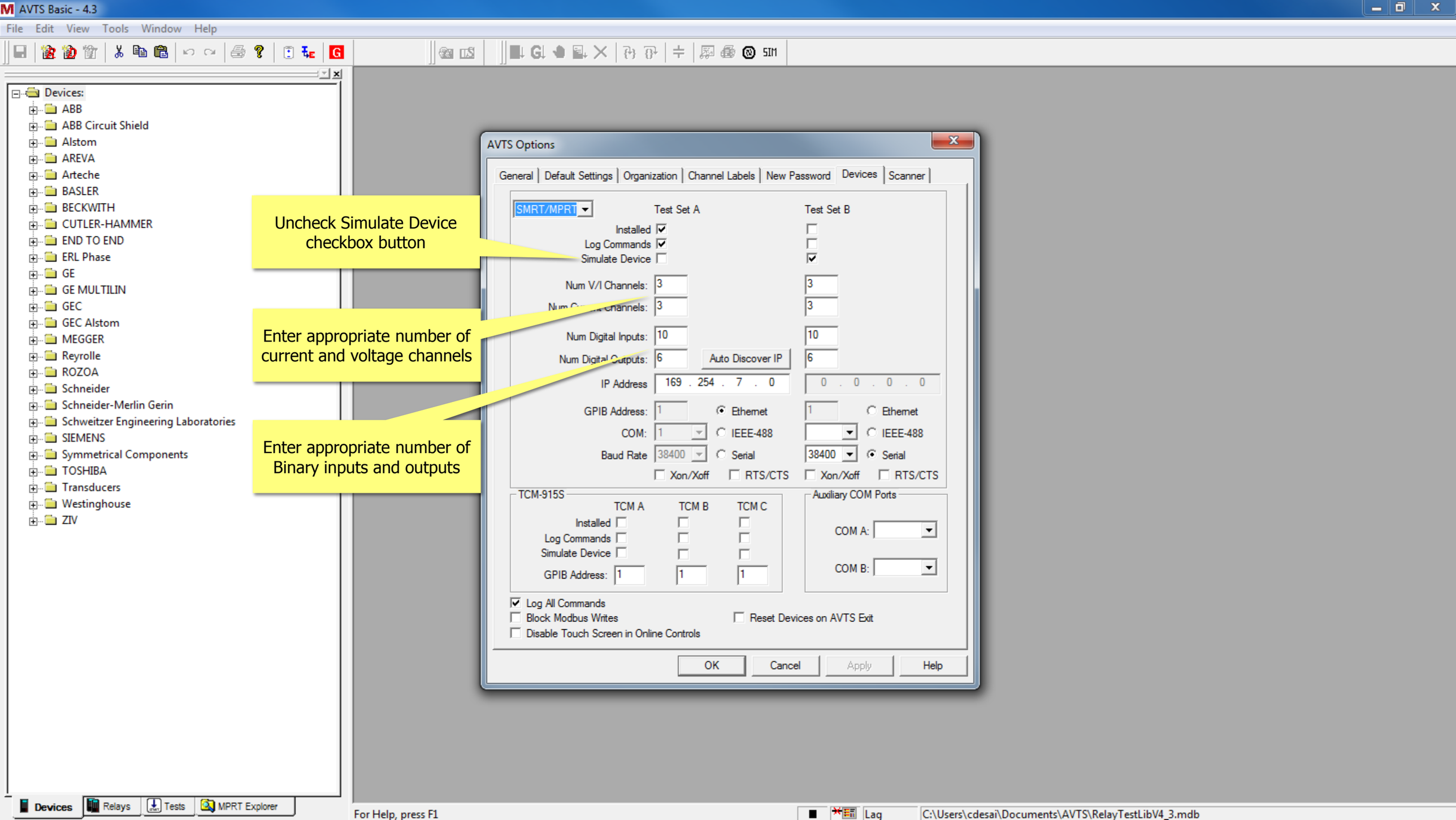
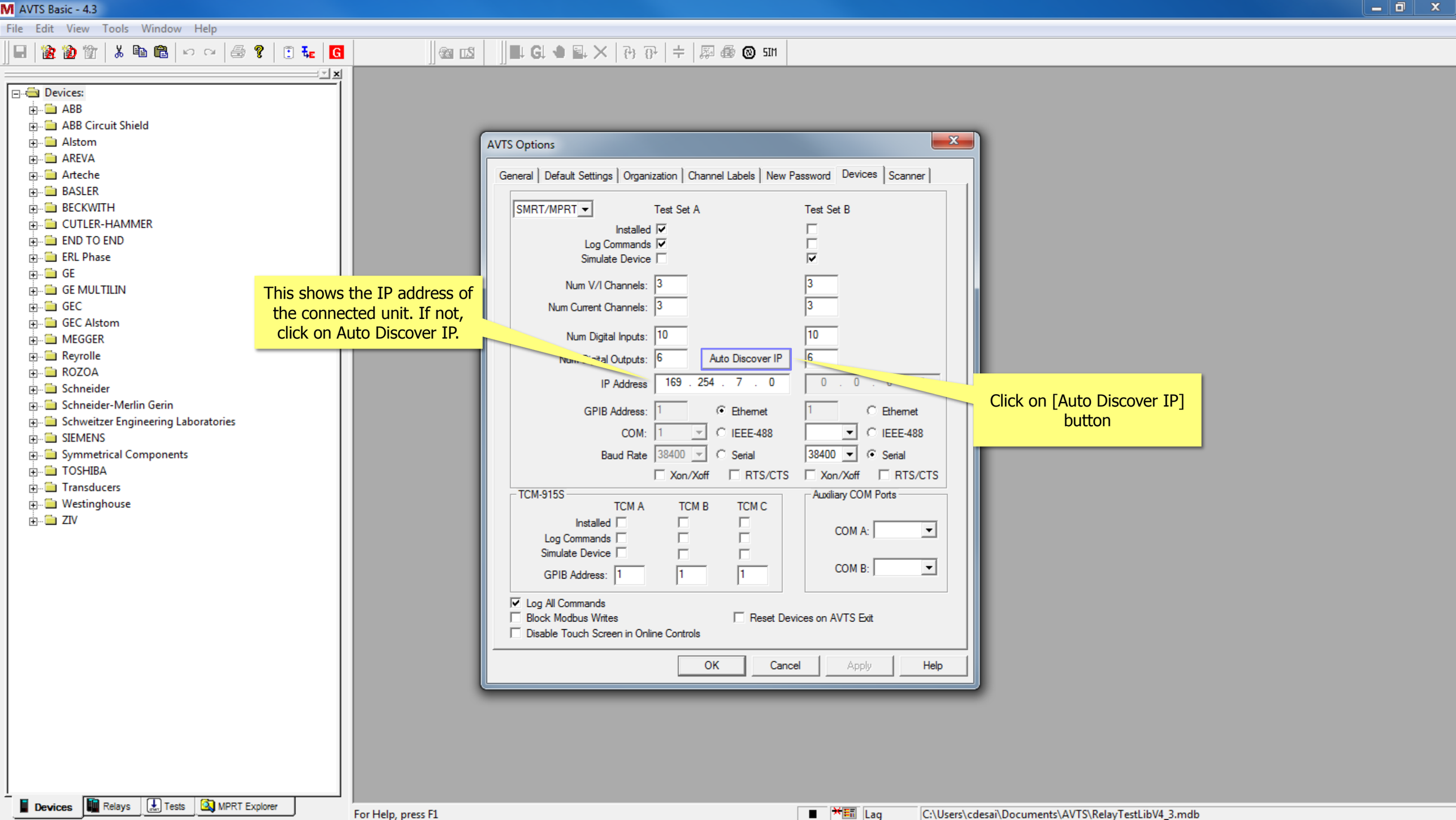
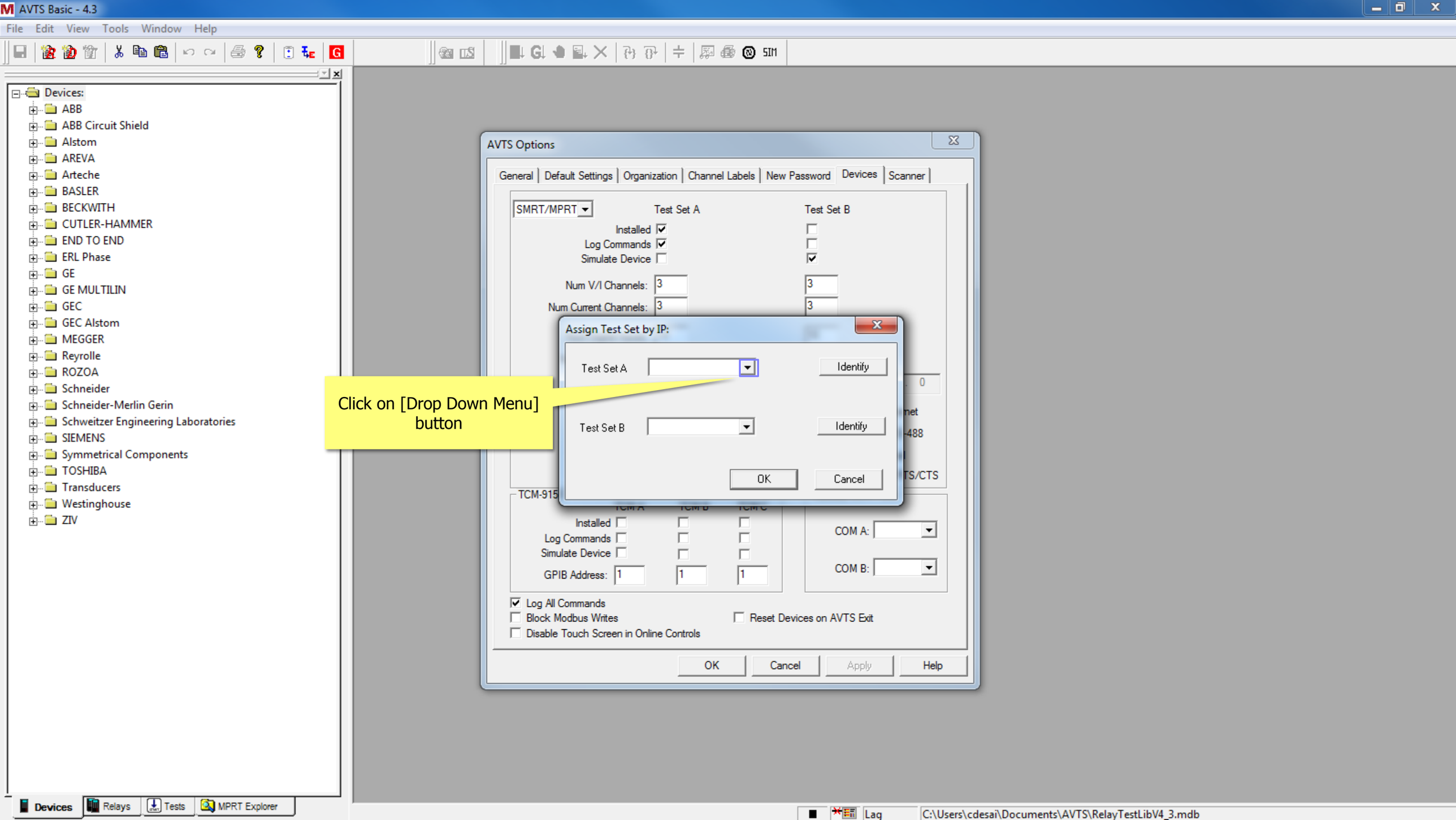
Communication setup between AVTS and SMRT/MPRT via LAN cable

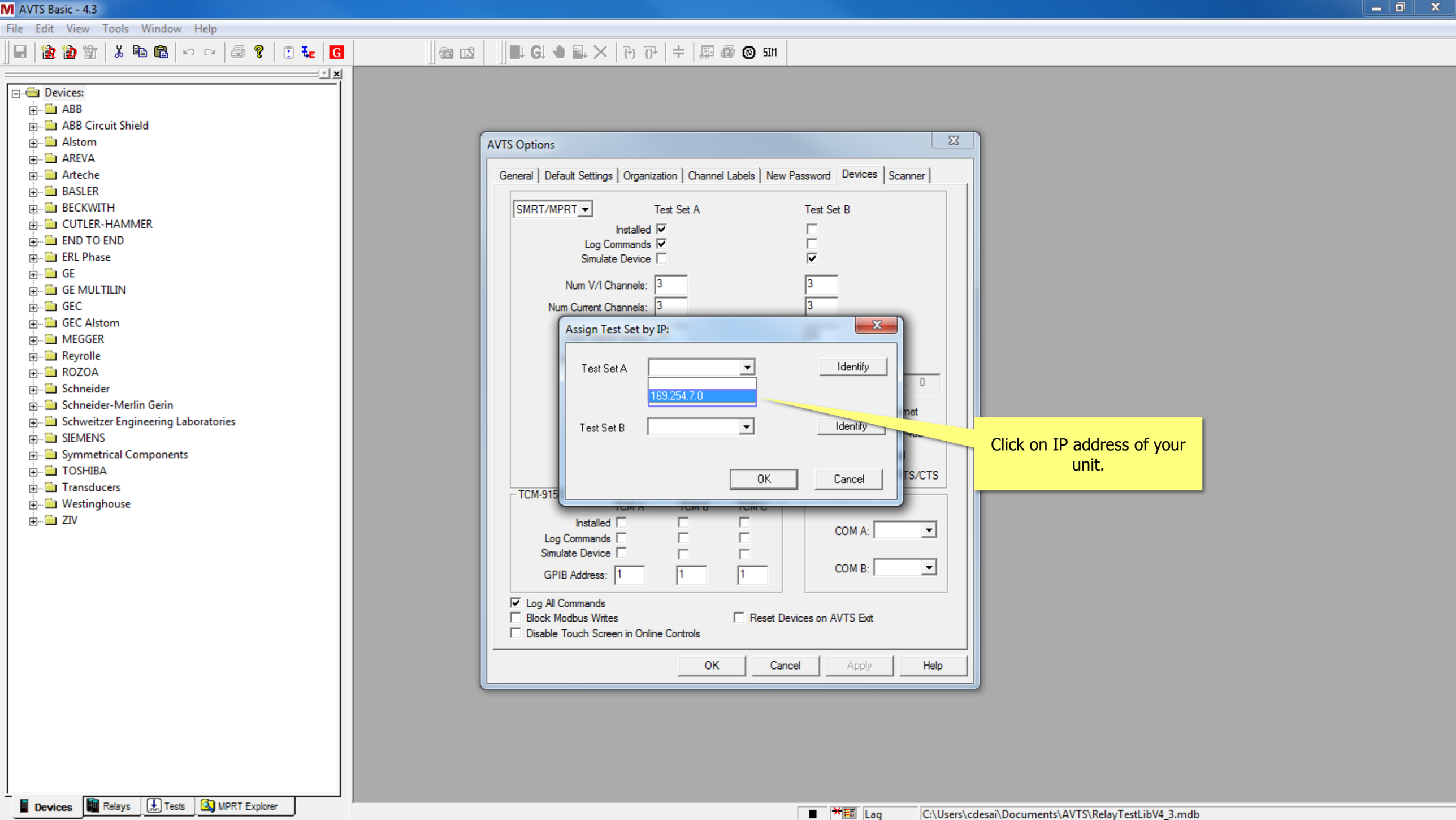

AVTS Basic - 4.3
File
Edit
View
Tools
Window
Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
To set up communication with the test set in AVTS, select [Tools] menu item
Devices
Relays
Tests
MPRT Explorer
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb

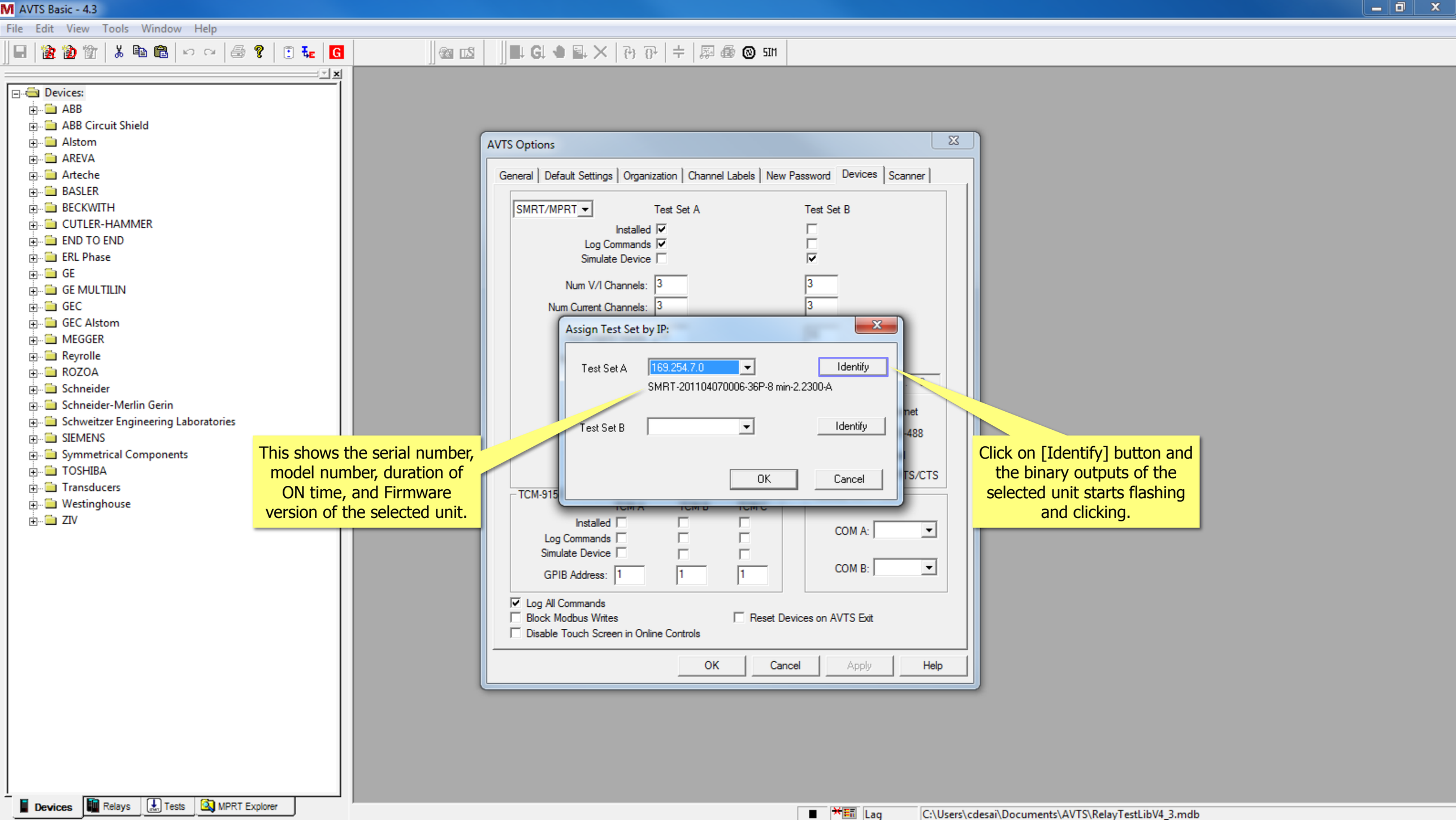

AVTS Basic - 4.3
File
Edit
View
Tools
Window
Help
Online Vector Control... F2
Online Ramp Control... F4
Online Click On Fault Control
Database Utilities
Calculator...
Fault Calculator...
SS1 Converter...
HyperTerminal...
GOOSE Configurator (MGC)...
Waveform Digitizing Tool...
DFR Waveform Viewer...
RTMS Software
Battery Simulator
Map Epoch Current Channels
Import Data
Export Data
Export to Word Options
Update Device From Default
Options... F3
Devices:
ABB
ABB Ci
Alstom
AREVA
Artech
BASLEF
BECKW
CUTLE
END TC
ERL Ph
GE
GE MU
GEC
GEC Al
MEGGE
Reyroll
ROZOA
Schnei
Schnei
Schwei
SIEMEN
Symme
TOSHIBA
Transducers
Westinghouse
ZIV
Select [Options... F3] menu item
Devices
Relays
Tests
MPRT Explorer
Open the options property sheet for the application.
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb

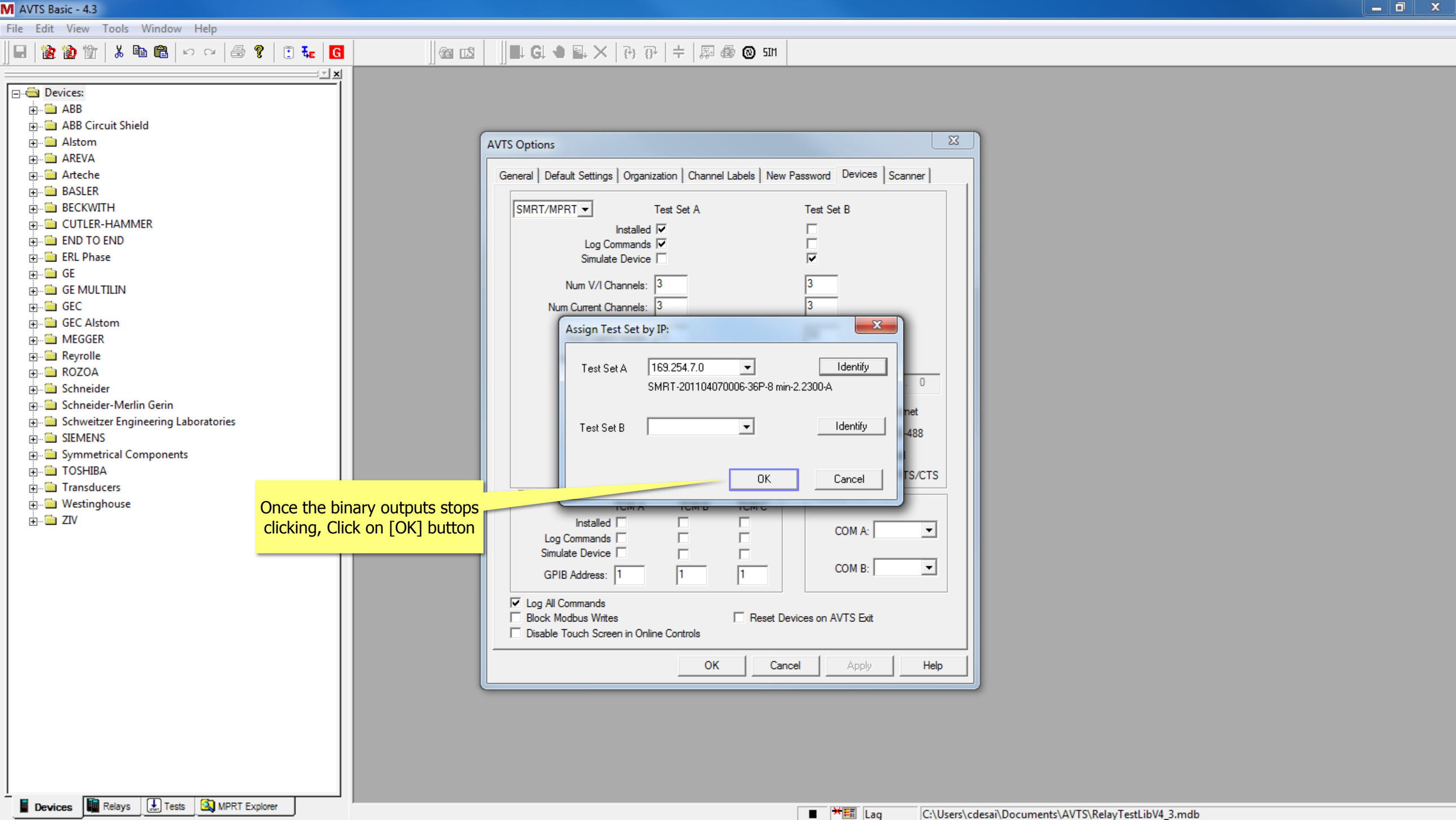

AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
Uncheck Simulate Device checkbox button
Enter appropriate number of current and voltage channels
Enter appropriate number of Binary inputs and outputs
AVTS Options
General
Default Settings
Organization
Channel Labels
New Password
Devices
Scanner
SMRT/MPRT
Test Set A
Test Set B
Installed
Log Commands
Simulate Device
Num V/I Channels:
Num Digital Inputs:
Num Digital Outputs:
Auto Discover IP
IP Address
169 . 254 . 7 . 0
0 . 0 . 0 . 0
GPIB Address:
Ethernet
IEEE-488
Serial
COM:
Baud Rate
38400
Xon/Xoff
RTS/CTS
TCM-915S
TCM A
TCM B
TCM C
Auxiliary COM Ports
COM A:
COM B:
Log All Commands
Block Modbus Writes
Reset Devices on AVTS Exit
Disable Touch Screen in Online Controls
OK
Cancel
Apply
Help
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb

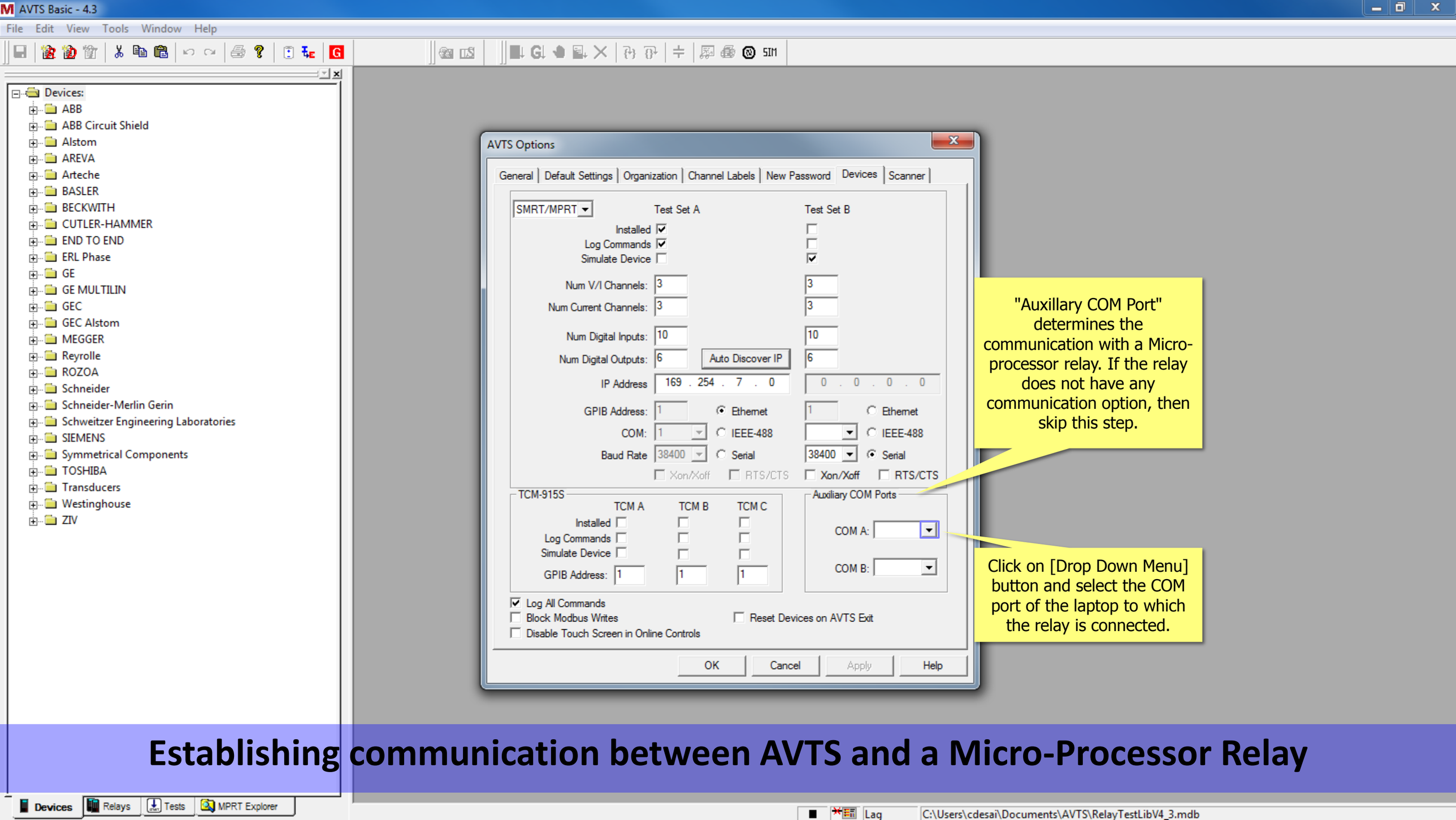

AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
AVTS Options
General
Default Settings
Organization
Channel Labels
New Password
Devices
Scanner
SMRT/MPRT
Test Set A
Test Set B
Installed
Log Commands
Simulate Device
Num V/I Channels:
Num Current Channels:
Num Digital Inputs:
Num Digital Outputs:
Auto Discover IP
IP Address
169 . 254 . 7 . 0
GPIB Address:
Ethernet
COM:
IEEE-488
Baud Rate
38400
Serial
Xon/Xoff
RTS/CTS
TCM-915S
TCM A
TCM B
TCM C
Auxiliary COM Ports
COM A:
COM B:
Log All Commands
Block Modbus Writes
Disable Touch Screen in Online Controls
Reset Devices on AVTS Exit
OK
Cancel
Apply
Help
This shows the IP address of the connected unit. If not, click on Auto Discover IP.
Click on [Auto Discover IP] button
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
AVTS Options
General
Default Settings
Organization
Channel Labels
New Password
Devices
Scanner
SMRT/MPRT
Test Set A
Test Set B
Installed
Log Commands
Simulate Device
Num V/I Channels:
Num Current Channels:
Assign Test Set by IP:
Test Set A
Identify
Test Set B
Identify
OK
Cancel
Click on [Drop Down Menu] button
TCM-915
Installed
Log Commands
Simulate Device
GPIB Address:
COM A:
COM B:
Log All Commands
Block Modbus Writes
Disable Touch Screen in Online Controls
Reset Devices on AVTS Exit
OK
Cancel
Apply
Help
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb

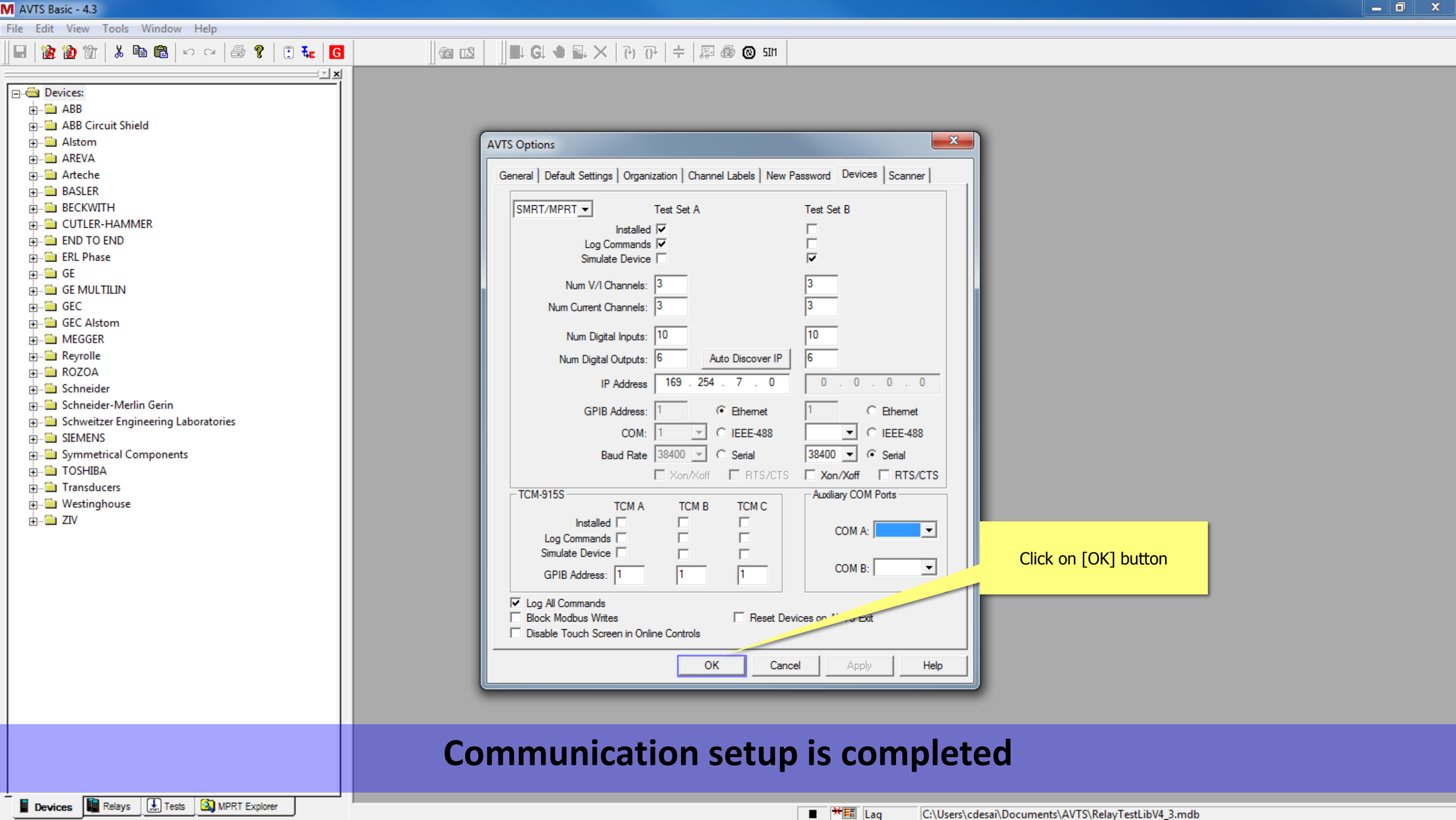

AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
AVTS Options
General
Default Settings
Organization
Channel Labels
New Password
Devices
Scanner
SMRT/MPRT
Test Set A
Test Set B
Installed
Log Commands
Simulate Device
Num V/I Channels:
Num Current Channels:
Assign Test Set by IP:
Test Set A
169.254.7.0
Identify
Test Set B
Identify
OK
Cancel
TCM-915
Installed
Log Commands
Simulate Device
GPIB Address:
COM A:
COM B:
Log All Commands
Block Modbus Writes
Disable Touch Screen in Online Controls
Reset Devices on AVTS Exit
OK
Cancel
Apply
Help
Click on IP address of your unit.
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb

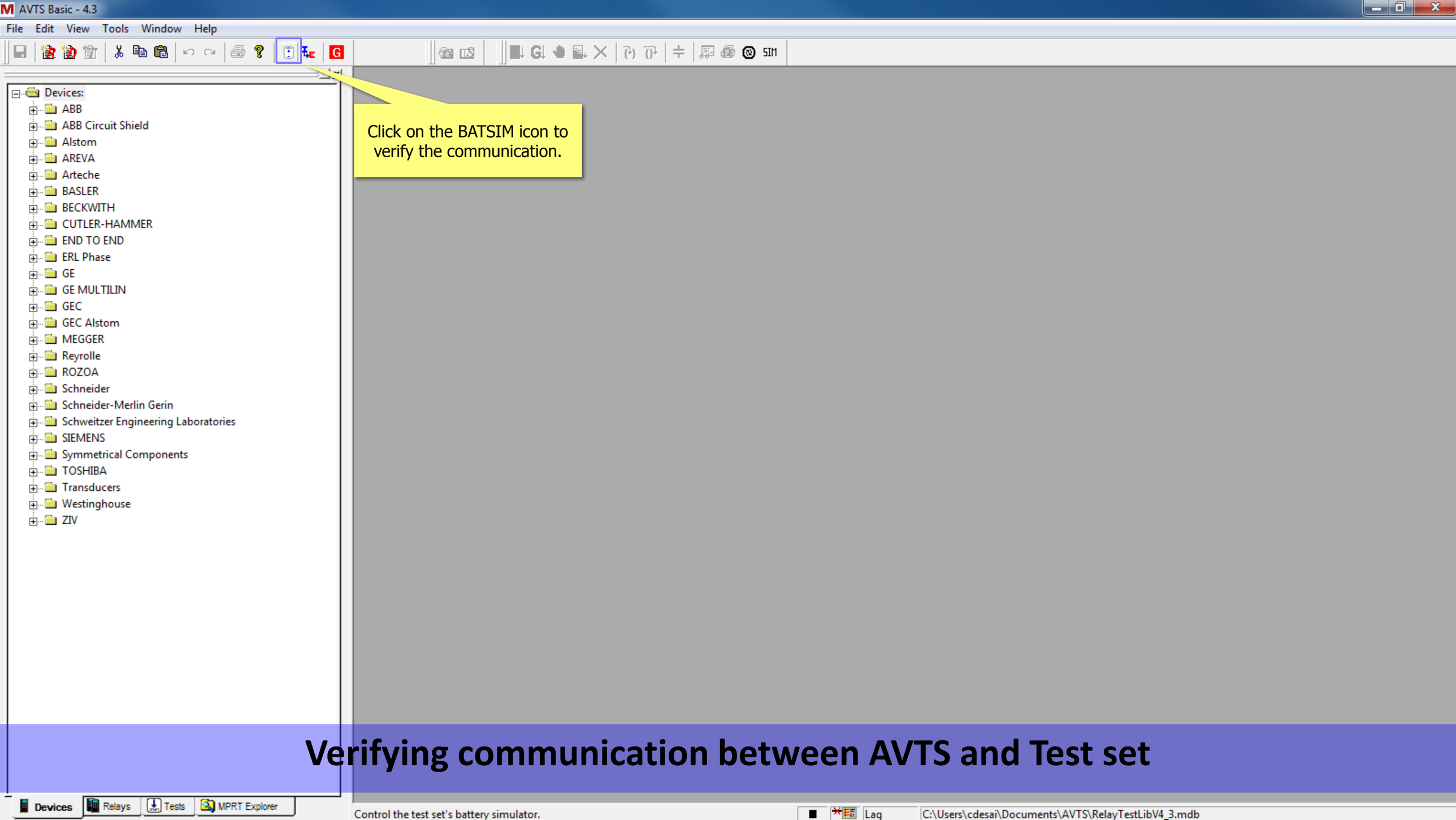

AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
AVTS Options
General
Default Settings
Organization
Channel Labels
New Password
Devices
Scanner
SMRT/MPRT
Test Set A
Test Set B
Installed
Log Commands
Simulate Device
Num V/I Channels:
Num Current Channels:
Assign Test Set by IP:
Test Set A
169.254.7.0
Identify
SMRT-201104070006-36P-8 min-2.2300-A
Test Set B
Identify
OK
Cancel
TCM-915
Installed
Log Commands
Simulate Device
GPIB Address:
COM A:
COM B:
Log All Commands
Block Modbus Writes
Disable Touch Screen in Online Controls
Reset Devices on AVTS Exit
OK
Cancel
Apply
Help
This shows the serial number, model number, duration of ON time, and Firmware version of the selected unit.
Click on [Identify] button and the binary outputs of the selected unit starts flashing and clicking.
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
AVTS Options
General
Default Settings
Organization
Channel Labels
New Password
Devices
Scanner
SMRT/MPRT
Test Set A
Test Set B
Installed
Log Commands
Simulate Device
Num V/I Channels:
Num Current Channels:
Assign Test Set by IP:
Test Set A
169.254.7.0
Identify
SMRT-201104070006-36P-8 min-2.2300-A
Test Set B
Identify
OK
Cancel
GPIB Address:
COM A:
COM B:
Log All Commands
Block Modbus Writes
Disable Touch Screen in Online Controls
Reset Devices on AVTS Exit
OK
Cancel
Apply
Help
Once the binary outputs stops clicking, Click on [OK] button
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb

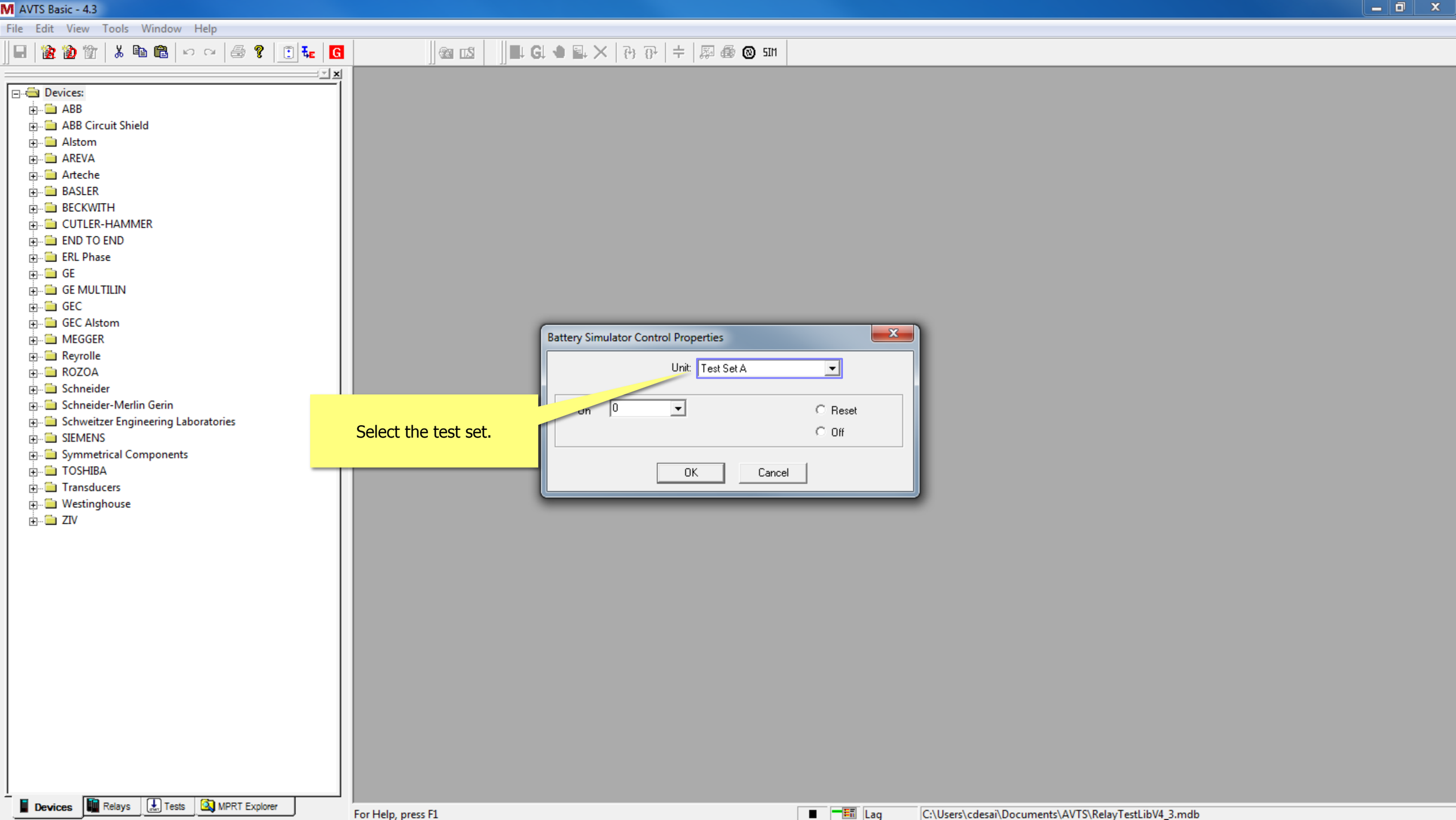


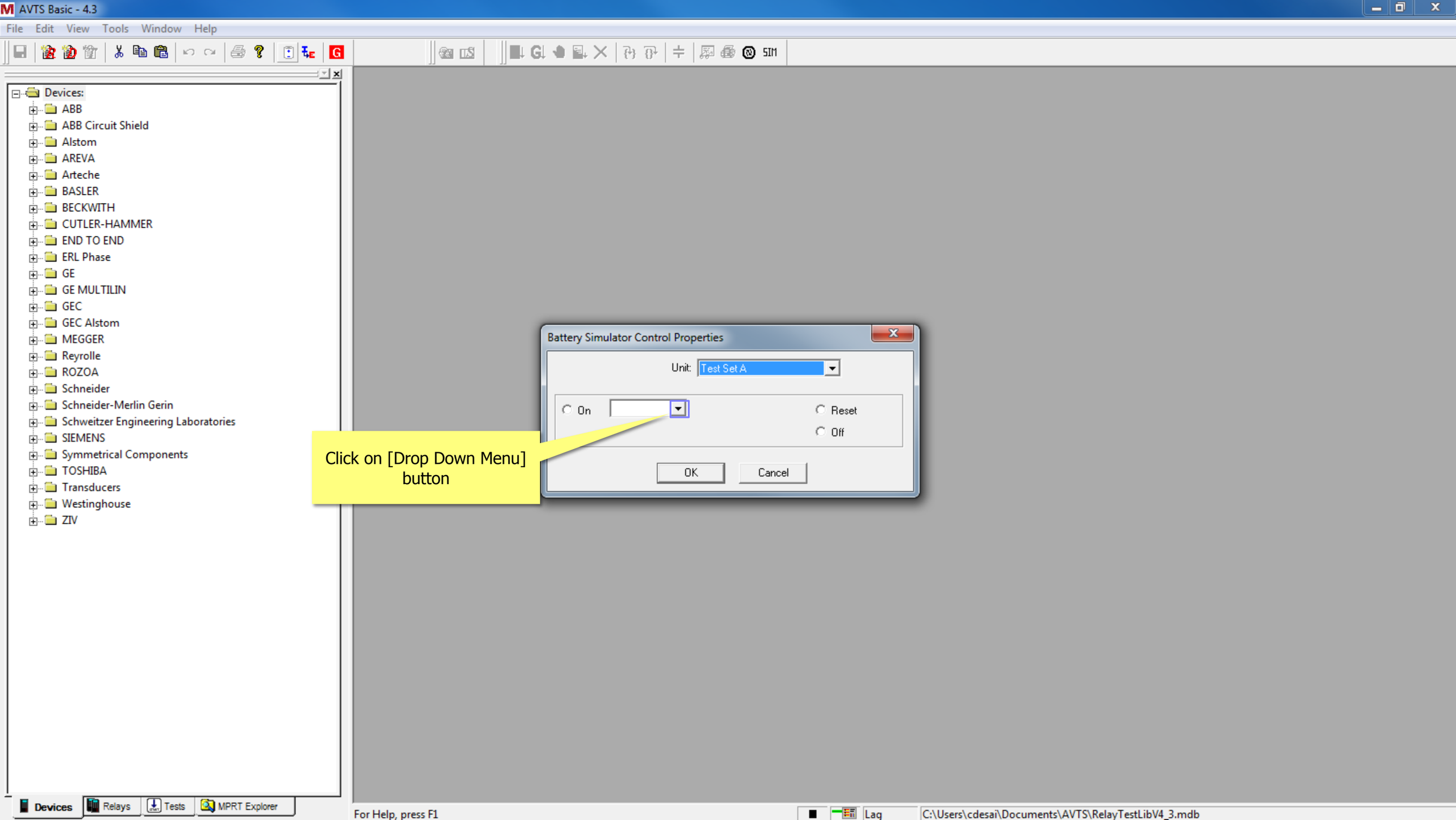
Establishing communication between AVTS and a Micro-Processor Relay

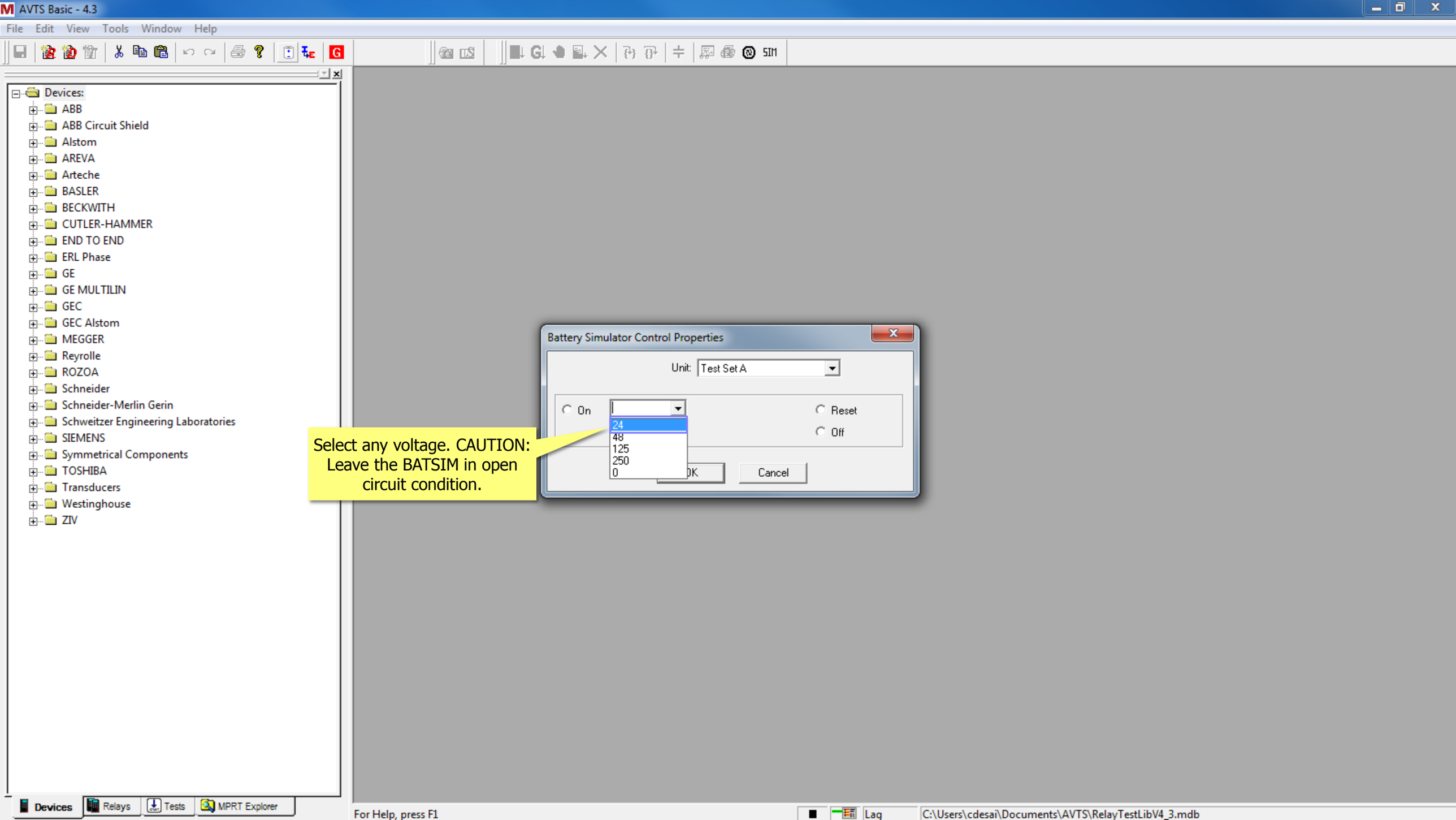

AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
AVTS Options
General
Default Settings
Organization
Channel Labels
New Password
Devices
Scanner
SMRT/MPRT
Test Set A
Test Set B
Installed
Log Commands
Simulate Device
Num V/I Channels:
Num Current Channels:
Num Digital Inputs:
Num Digital Outputs:
Auto Discover IP
IP Address
169 . 254 . 7 . 0
0 . 0 . 0 . 0
GPIB Address:
COM:
Baud Rate
38400
Ethernet
IEEE-488
Serial
Xon/Xoff
RTS/CTS
TCM-915S
TCM A
TCM B
TCM C
Auxiliary COM Ports
COM A:
COM B:
Log All Commands
Block Modbus Writes
Disable Touch Screen in Online Controls
Reset Devices on Exit
OK
Cancel
Apply
Help
Click on [OK] button
Communication setup is completed
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb

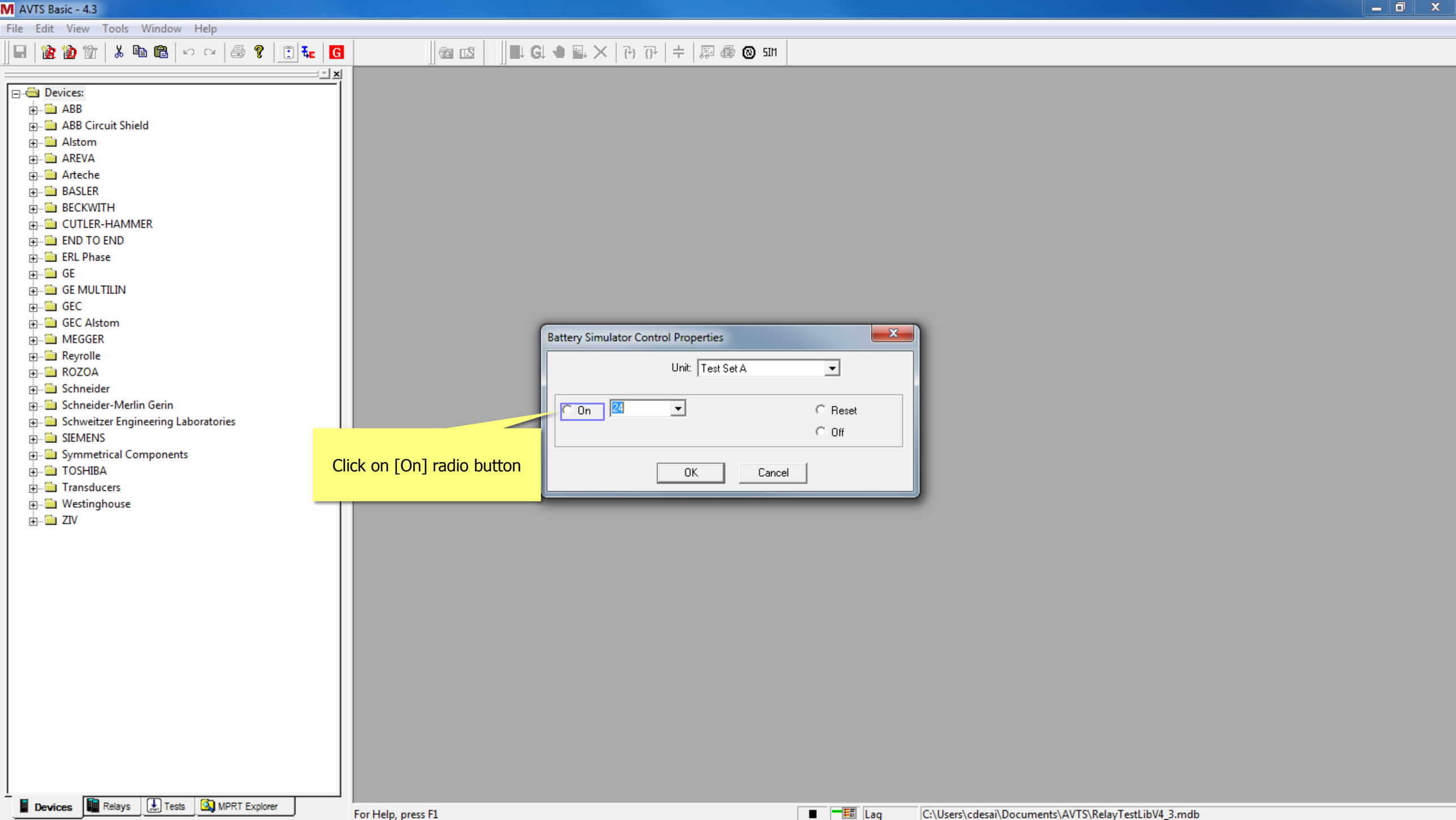


Verifying communication between AVTS and Test set


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Battery Simulator Control Properties
Unit:
Test Set A
0
Reset
Off
OK
Cancel
Select the test set.
Devices
Relays
Tests
MPRT Explorer
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Battery Simulator Control Properties
Unit:
Test Set A
On
Reset
Off
OK
Cancel
Click on [Drop Down Menu] button
Devices
Relays
Tests
MPRT Explorer
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Battery Simulator Control Properties
Unit: Test Set A
On
Reset
Off
24
48
125
250
0
Cancel
Select any voltage. CAUTION: Leave the BATSIM in open circuit condition.
Devices
Relays
Tests
MPRT Explorer
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
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ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
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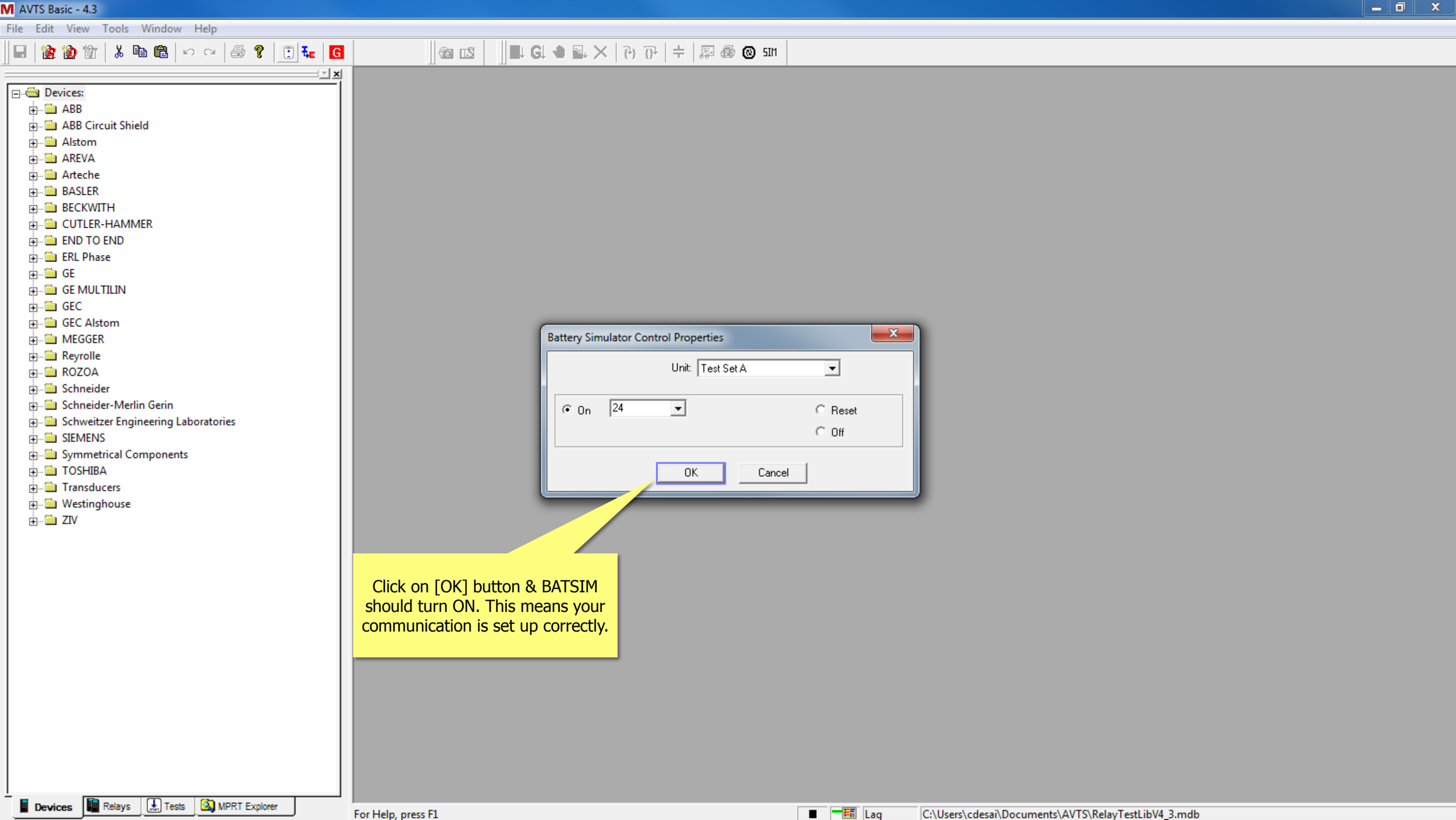
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Battery Simulator Control Properties
Unit: Test Set A
On
24
Reset
Off
OK
Cancel
Click on [On] radio button
Devices
Relays
Tests
MPRT Explorer
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
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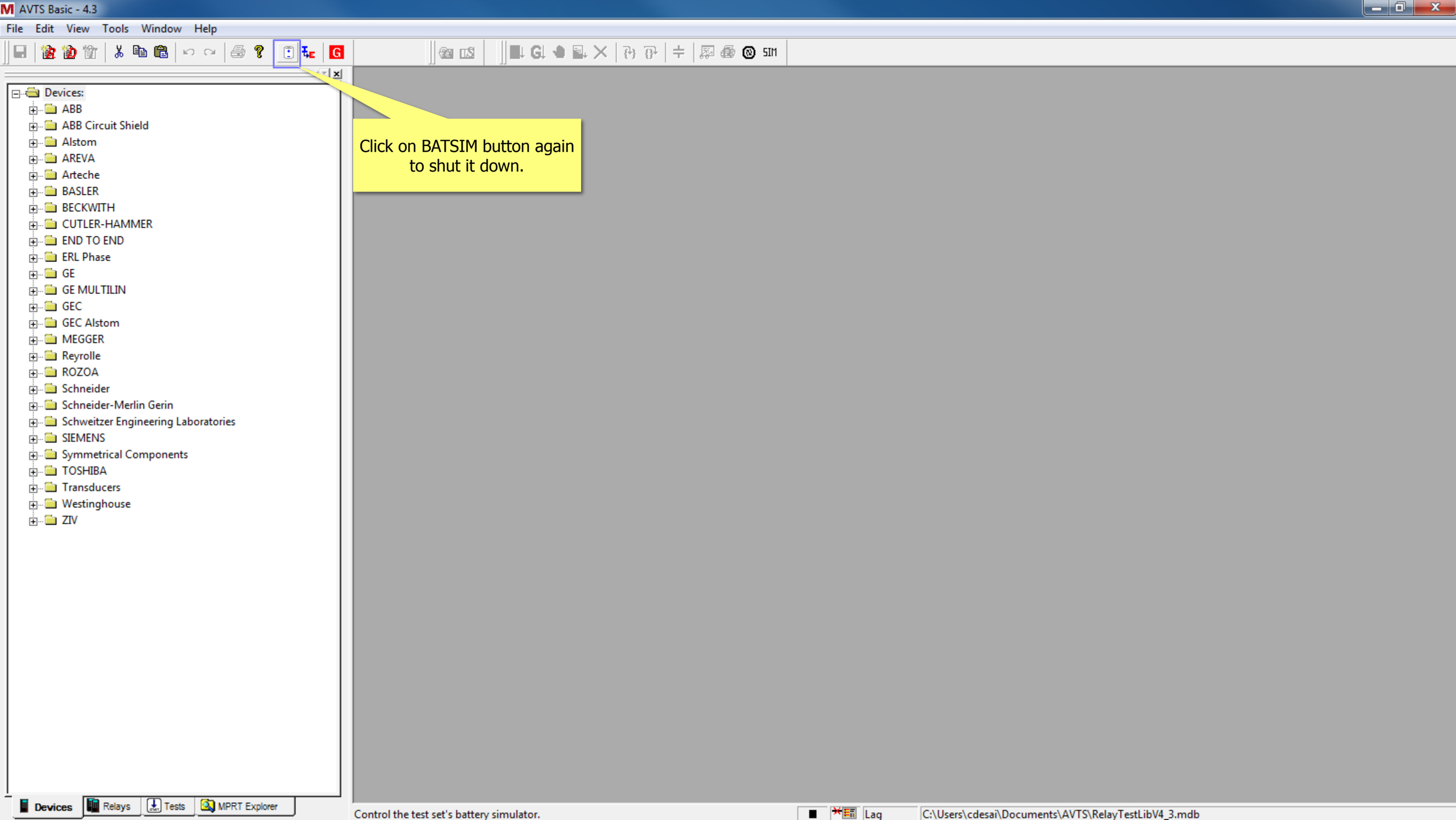
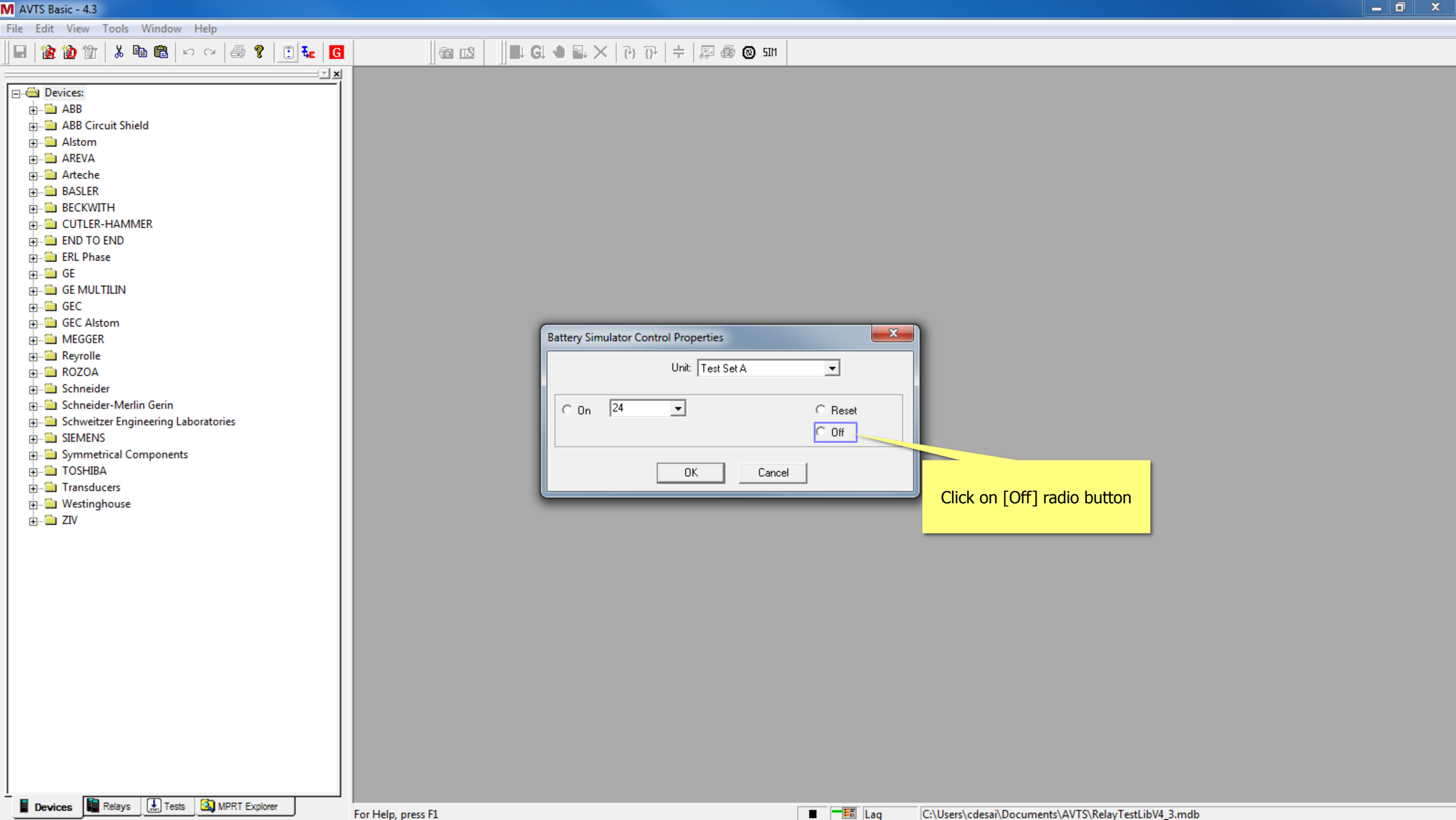
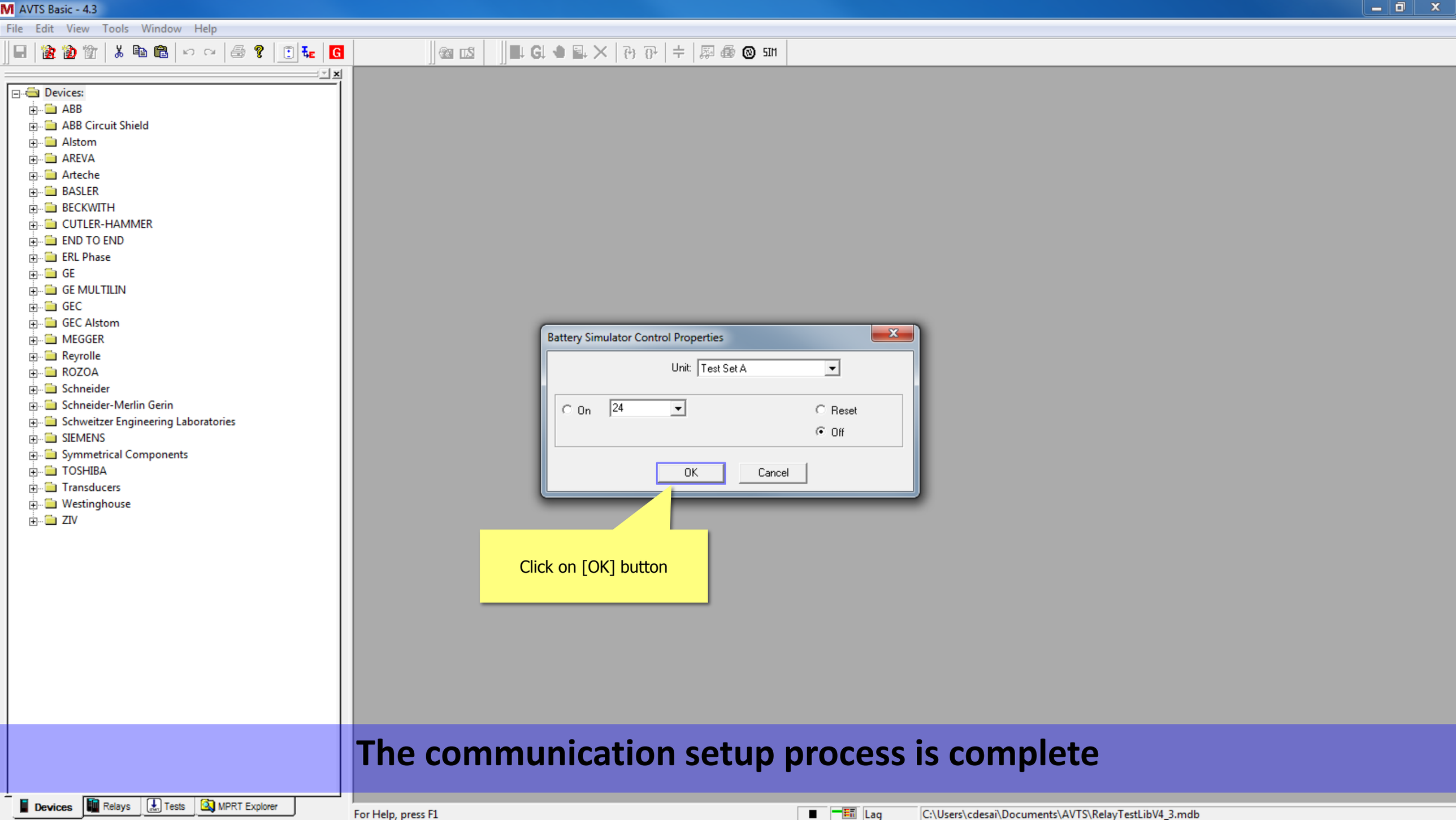
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
Battery Simulator Control Properties
Unit: Test Set A
On
24
Reset
Off
OK
Cancel
Click on [OK] button & BATSIM should turn ON. This means your communication is set up correctly.
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File
Edit
View
Tools
Window
Help
SIM
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Click on BATSIM button again to shut it down.
Devices
Relays
Tests
MPRT Explorer
Control the test set's battery simulator.
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Devices
Relays
Tests
MPRT Explorer
Battery Simulator Control Properties
Unit: Test Set A
On
24
Reset
Off
OK
Cancel
Click on [Off] radio button
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb


AVTS Basic - 4.3
File Edit View Tools Window Help
Devices:
ABB
ABB Circuit Shield
Alstom
AREVA
Arteche
BASLER
BECKWITH
CUTLER-HAMMER
END TO END
ERL Phase
GE
GE MULTILIN
GEC
GEC Alstom
MEGGER
Reyrolle
ROZOA
Schneider
Schneider-Merlin Gerin
Schweitzer Engineering Laboratories
SIEMENS
Symmetrical Components
TOSHIBA
Transducers
Westinghouse
ZIV
Battery Simulator Control Properties
Unit: Test Set A
On 24
Reset
Off
OK
Cancel
Click on [OK] button
The communication setup process is complete
Devices
Relays
Tests
MPRT Explorer
For Help, press F1
Lag
C:\Users\cdesai\Documents\AVTS\RelayTestLibV4_3.mdb