UUT Report

Station ID: IT-W-7303101

Serial Number: NONE

Date: venerdì 10 novembre 2023

Time: 15:48:41
Operator: administrator

Execution Time: 1570.6059742 seconds

Number of Results: 1370

UUT Result: Error, Array index out of bounds. [Error Code: -17324, Array index out of

Product: bounds.]
Product: MOD LV
Product type: MOD LV

Comm type: COMM1_RS485
Product FW Version: 56010808
Comm FW Version: 56010000

Begin Sequence: MainSequence

(C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\General_test.seq)

| Double_trip_ARI_blocked | |
|----------------------------------|--------------------|
| Status: | Skipped |
| Simultaneous trip_open | |
| Status: | Skipped |
| General and Architecture and LED | |
| Status: | Skipped |
| | |
| Input-Output | |
| | Skipped |
| | Skipped |
| Status: | Skipped Skipped |
| Status: Power Outage | |

| Modbus Register check | |
|-----------------------|-------------|
| Status: | Failed |
| Module Time: | 637.2461607 |

Begin Sequence: Modbus Register check (C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\General_test.seq)

| Internal communication failure | | |
|--------------------------------|--|--|
| Status: | Done | |
| Register Value: | ОК | |
| Additional Results | | |
| Status: | Done | |
| PopupString: | Check that the remote opening via modbus worked. | |
| Status: | Passed | |
| Additional Results | | |
| Status: | Done | |
| PopupString: | Check that the remote closing via modbus worked. | |
| Status: | Passed | |

| Popup PassFail | |
|----------------|--------|
| Status: | Failed |
| | |

| Additional Results | |
|----------------------|---|
| Status: | Done |
| PopupString: | Check that the remote closing via modbus has not worked during dead time. |
| Status: | Failed |
| Popup PassFail | |
| Status: | Failed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via modbus worked. |
| Status: | Failed |
| input | |
| Status: | Done |
| Register Value: | Disable |
| Pass/Fail Test | |
| Status: | Passed |
| | 1 65564 |
| Communication | Dana |
| Status: | Done Disable |
| Register Value: | DISQUIC |
| Pass/Fail Test | |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via input has not worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via modbus has not worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via input has not worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via modbus has not worked. |
| Status: | Passed |
| input | |
| Status: | Done |
| Register Value: | Disable |
| Pass/Fail Test | |
| Status: | Passed |
| Communication | |
| Status: | Done |
| Register Value: | Disable |
| Pass/Fail Test | |
| Status: | Passed |
| | |
| Additional Results | Dono |
| Status: PopupString: | Done Check that the remote opening via input has not worked |
| Status: | Check that the remote opening via input has not worked. Passed |
| | 1 43364 |
| Additional Results | Dana |
| Status: | Done Check that the remete energing via modeus has not worked |
| PopupString: | Check that the remote opening via modbus has not worked. |
| Status: | Passed |

| Additional Results | |
|----------------------|--|
| Status: | Done |
| PopupString: | Check that the remote opening via input has not worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote opening via modbus has not worked. |
| Status: | Passed |
| input | |
| Status: | Done |
| Register Value: | Enable |
| Pass/Fail Test | |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via modbus has not worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via input worked. |
| Status: | Passed |
| Additional Results | |
| | Pere |
| Status: PopupString: | Done Check that the remote opening via modbus has not worked. |
| Status: | Passed |
| | l dosed |
| Additional Results | \[\bar{\text{Downs}}\] |
| Status: | Done Charly that the remate energing via input worked |
| PopupString: Status: | Check that the remote opening via input worked. Passed |
| | i dosed |
| Communication | Vo. |
| Status: | Done |
| Register Value: | Enable |
| Pass/Fail Test | |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing and opening via input worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing and opening via modbus worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via input has not worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote closing via modbus worked. |
| Status: | Passed |
| Additional Results | |
| Status: | Done |
| PopupString: | Check that the remote opening via input has not worked. |
| | Passed |

| Additional Results | |
|---------------------|--|
| Status: | Done |
| PopupString: | Check that the remote opening via modbus worked. |
| Status: | Passed |
| Status Breaker | |
| Status: | Done |
| Register Value: | Open |
| Test Status Breaker | |
| Status: | Passed |
| Status Breaker | |
| Status: | Done |
| Register Value: | Open |
| Test Status Breaker | |
| Status: | Passed |
| Status Breaker | |
| Status: | Done |
| Register Value: | Close |
| Test Status Breaker | |
| Status: | Passed |
| Status Breaker | |
| Status: | Done |
| Register Value: | Close |
| Test Status Breaker | |
| Status: | Passed |

| Status Breaker | | |
|---------------------|--------|--|
| Status: | Done | |
| Register Value: | Open | |
| Test Status Breaker | | |
| Status: | Passed | |
| Status Breaker | | |
| Status: | Done | |
| Register Value: | Open | |
| Test Status Breaker | | |
| Status: | Passed | |

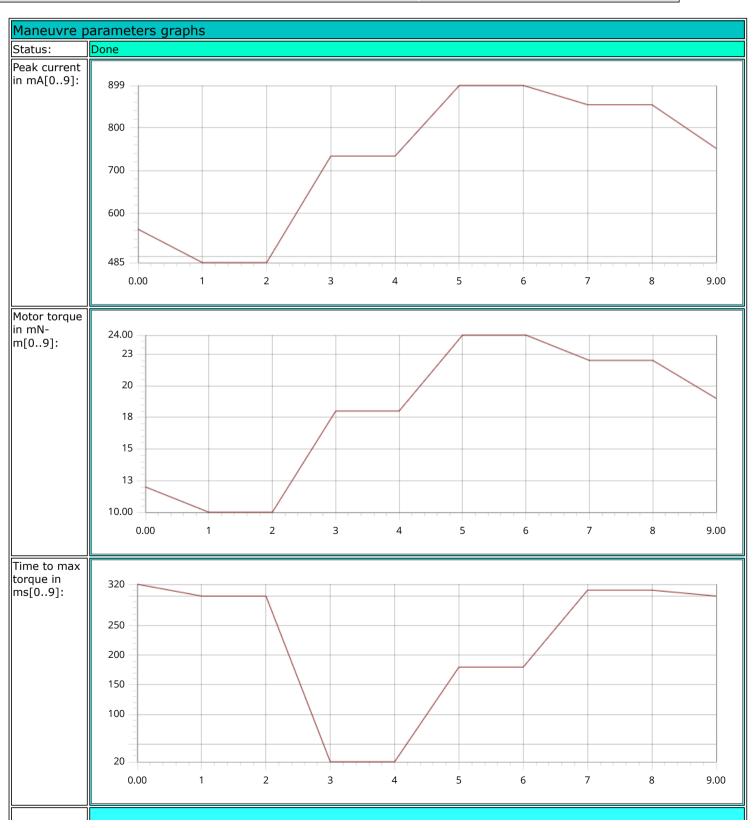
| Tripped | |
|-----------------|---------|
| Status: | Done |
| Register Value: | No Trip |
| Test Tripped | |
| Status: | Passed |

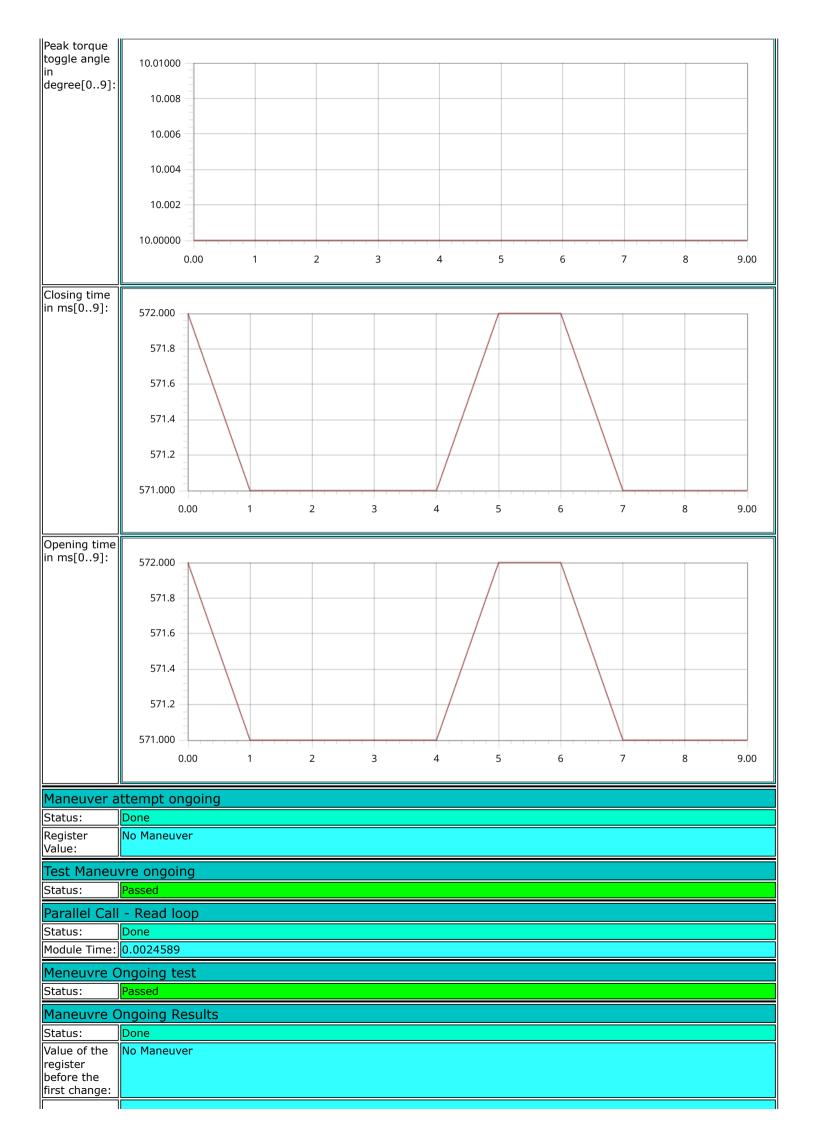
| Tripped | | |
|-----------------|--------|--|
| Status: | Done | |
| Register Value: | Trip | |
| Test Tripped | | |
| Status: | Passed | |
| Tripped | | |
| Status: | Done | |
| Register Value: | Trip | |
| Test Tripped | | |
| | | |

| pped | |
|------|--|
| | |

| Status: | Done |
|-----------------|---------|
| Register Value: | No Trip |
| Took Trium and | |
| Test Tripped | |

| TIME Tripped | |
|----------------------|--------------|
| Status: | Done |
| Time Tripped before: | 000101000000 |
| TIME Tripped | |
| Status: | Done |
| Time Tripped after: | 000101000008 |
| Time tripped check | |
| Status: | Passed |





| Value of the | Maneuver ongoing |
|---|--|
| register after | |
| the first | |
| change: | |
| Number of changes: | 2 |
| Maneuver a | attempt ongoing |
| | Done |
| | No Maneuver |
| Value: | |
| Test Maneu | vre ongoing |
| Status: | Passed |
| Parallel Call | l - Read loop |
| Status: | Done |
| Module Time: | 0.0026932 |
| Meneuvre C | Ongoing test |
| Status: | Passed |
| | |
| | Ongoing Results Done |
| | No Maneuver |
| register | NO Planeuver |
| before the first change: | |
| | Maneuver ongoing |
| register after | inaneuver ongoing |
| the first | |
| change: | |
| Number of changes: | 2 |
| Maneuver a | attempt ongoing |
| | Done |
| | No Maneuver |
| Value: | ite Halleavel |
| | |
| Test Maneu | vre ongoing |
| | |
| Status: | Passed |
| Status: Total Numb | Passed er of maneuvre |
| Status: Total Numb Status: | Passed er of maneuvre Done |
| Status: Total Numb Status: Register Value: | Passed er of maneuvre Done 438 |
| Status: Total Numb Status: Register Value: | Passed er of maneuvre Done |
| Status: Total Numb Status: Register Value: Total Numb | Passed er of maneuvre Done 438 |
| Status: Total Numb Status: Register Value: Total Numb Status: Register | Passed er of maneuvre Done 438 er of closing maneuvre |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Status: | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Status: | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Register Value: | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Register Value: | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done 458 |
| Status: Total Numb Status: Register Value: Test total n Status: | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done 458 umber maneuvre Passed Passed |
| Status: Total Numb Status: Register Value: Test total n Status: Total Numb | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done 458 umber maneuvre Passed er of closing maneuver |
| Status: Total Numb Status: Register Value: Total Numb Status: Test total n Status: Total Numb | Passed er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done 458 umber maneuvre Passed er of closing maneuver Done |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Test total n Status: Total Numb Status: Register Value: Test total n Status: Register Value: | er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done 458 umber maneuvre Passed er of closing maneuver Done 458 umber maneuvre Passed er of closing maneuver Done 258 |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Test total n Status: Register Value: Total Numb Status: Total Numb Status: Register Value: Total Numb | er of maneuvre Done |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Test total n Status: Register Value: Total Numb Status: Total Numb Status: Register Value: Total Numb | er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done 458 umber maneuvre Passed er of closing maneuver Done 458 umber maneuvre Passed er of closing maneuver Done 258 |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Test total n Status: Register Value: Total Numb Status: Total Numb Status: Register Value: Total Numb | er of maneuvre Done |
| Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Total Numb Status: Register Value: Test total n Status: Register Value: Total Numb | er of maneuvre Done |
| Status: Total Numb Status: Register Value: Test total n Status: Register Value: Total Numb Status: Register Value: Test total n Status: Register Value: Test total n Status: Register Value: Test total n Status: Register | er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done 248 er of maneuver Done 458 umber maneuvre Passed er of closing maneuver Done 258 umber closing maneuver Done 258 umber closing maneuver Done Done |
| Status: Total Numb Status: Register Value: Test total n Status: Register Value: Total Numb Status: Total Numb Status: Register Value: Total Numb Status: Register Value: Test total n Status: Test total n Status: Test total n Status: | er of maneuvre Done 438 er of closing maneuvre Done 248 er of maneuver Done 458 umber maneuvre Passed er of closing maneuver Done 258 umber closing maneuver Done Done |

| Status: | Passed |
|---------------------|---|
| Output 2 | |
| Status: | Done |
| Register | Lock-out state not-active |
| Value: | |
| Test output | |
| Status: | Passed |
| Input 1 | |
| Status: | Done Done Done Done Done Done Done Done |
| Register Value: | Not Active |
| Test Input | 1 |
| Status: | Passed |
| Input 2 | |
| Status: | Done |
| Register | Not Active |
| Value: | |
| Test Input | |
| Status: | Passed |
| Output 1 | |
| Status: | Done MOD layer slees |
| Register Value: | MOD lever close |
| Test Outpu | 1 |
| Status: | Passed |
| Output 2 | |
| Status: | Done |
| Register | Lock-out state not-active |
| Value: | |
| Test output | |
| Status: | Passed |
| Input 1 | |
| Status: Register | Done Active |
| Value: | Active |
| Test Input | 1 |
| Status: | Passed |
| Input 2 | |
| Status: | Done |
| Register | Not Active |
| Value: | |
| Test Input | |
| Status: | Passed Passed |
| Output 1 Status: | Done Done |
| Register | MOD lever open |
| Value: | |
| Test Outpu | t1 |
| Status: | Passed |
| Output 2 | |
| Status: | Done |
| Register Value: | Lock-out state not-active |
| | . 2 |
| Test output Status: | Passed |
| | |
| Input 1 | |

| Status: | Done |
|--------------------|----------------|
| Register Value: | Not Active |
| Test Input | 1 |
| Status: | Passed |
| Input 2 | |
| Status: | Done |
| Register Value: | Active |
| Test Input I | 2 |
| Status: | Passed |
| Output 1 | |
| Status: | Done |
| Register Value: | MOD lever open |
| Test Output | t1 |
| Status: | Passed |
| Output 2 | |
| Status: | Done |
| Register Value: | Lock state |

| Test output 2 | |
|---------------|--------|
| Status: | Passed |

| sed Active sed Active |
|--------------------------|
| sed |
| sed ne |
| ne |
| ne |
| |
| |
| Active |
| |
| |
| sed |
| |
| ne |
| D lever close |
| |
| sed |
| |
| ne |
| k-out state not-active |
| |
| sed |
| |
| ne |
| Active |
| |
| sed |
| |
| ne |
| Active |
| |
| |
| |

 TIME Power Fail

 Status:
 Done

 Time Power Fail before:
 000101000011

 TIME Power Fail

 Status:
 Done

 Time Power Fail after:
 000101000417

 Time power fail

 Status:
 Passed

| LAST DEMANDED COMMAND FAILED PF | |
|--------------------------------------|-----------------------|
| Status: | Done |
| Register Value: | All command completed |
| Test last demanded command | |
| Status: | Passed |
| LAST DEMANDED COMMAND FAILED PF | |
| Status: | Done |
| Register Value: | All command completed |
| Test last demanded command | |
| Status: | Passed |
| Parallel Call - Read loop power fail | |
| Status: | Done |
| Module Time: | 0.002029 |
| Meneuvre power fail test | |
| Status: | Passed |
| Parallel Call - Read loop power fail | |
| Status: | Done |
| Module Time: | 0.0015723 |
| Meneuvre power fail test | |
| Status: | Passed |

| Diagnostic register | |
|---|--------|
| Status: | Done |
| Register Value: | 2 |
| Pass/Fail Test | |
| Status: | Passed |
| | |
| Diagnostic register | |
| | Done |
| Diagnostic register Status: Register Value: | Done 1 |
| Status: | Done 1 |

| Diagnostic register | |
|---------------------|--------|
| Status: | Done |
| Register Value: | 4 |
| Pass/Fail Test | |
| Status: | Passed |

| Product type number ID MOD | |
|-----------------------------|-----------------|
| Status: | Done |
| Register Value: | MOD LOW VOLTAGE |
| | |
| Product type number ID COMM | JL |
| | Done |

| Product Type MOD | | |
|------------------------------------|-----------------|--|
| | Done | |
| Product Type MOD: | MOD_LVÿÿÿÿÿÿÿÿÿ | |
| Product Type COMM | | |
| Status: | Done | |
| Product Type COMM: | COMM1_RS485 | |
| Serial Number MOD | | |
| Status: | Done | |
| Serial Number MOD: | ӯӱӱӱӱ | |
| Serial Number COMM | | |
| Status: | Done | |
| Serial Number COMM: | ӱӱӱӱӱ | |
| FW Version MOD | | |
| Status: | Done | |
| FW Version MOD: | V□ | |
| FW Version COMM | | |
| Status: | Done | |
| FW Version COMM: | V□ | |
| Modbus RTU parameter Slave Address | | |
| Status: | Done | |
| Register Value: | 1 | |
| Modbus RTU parameter Baud Rate | | |
| Status: | Done | |
| Register Value: | 19200 | |
| Modbus RTU parameter Parity | | |
| Status: | Done | |
| Register Value: | EVEN | |

End Sequence: Modbus Register check

| Modbus settings check | |
|-----------------------|---------|
| Status: | Skipped |
| COMM LED & Button | |
| Status: | Skipped |
| | |
| Eprom test | |
| | Error |
| | Error |

Begin Sequence: Eprom writing (C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\General_test.seq)

| Additional Results | |
|--------------------|--|
| Status: | Done |
| PopupString: | Check that all the funcionalities of the Device are still working. |
| Status: | Passed |

| Pass/Fail Test | |
|----------------|---------|
| Status: | Skipped |
| Pass/Fail Test | |
| Status: | Skipped |
| Pass/Fail Test | |
| Status: | Skipped |

| Pass/Fail Test | |
|----------------|---------|
| Status: | Skipped |
| Pass/Fail Test | |
| Status: | Skipped |

| Pass/Fail Test | | |
|----------------|---------|--|
| Status: | Skipped | |
| Pass/Fail Test | | |
| Status: | Skipped | |
| Pass/Fail Test | | |
| Status: | Skipped | |

| Additional Results | |
|--------------------|---------|
| Status: | Skipped |
| Additional Results | |
| Status: | Skipped |

| Pass/Fail Test | |
|----------------|---------|
| Status: | Skipped |

| Pass/Fail Test | |
|----------------|---------|
| Status: | Skipped |
| Pass/Fail Test | |
| Status: | Skipped |
| Pass/Fail Test | |
| Status: | Skipped |

Additional Results Status: Skipped

| Pass/Fail Test | |
|----------------|--------|
| Status: | Passed |
| Pass/Fail Test | |
| Status: | Passed |
| Pass/Fail Test | |
| Status: | Passed |
| Pass/Fail Test | |
| Status: | Passed |
| Pass/Fail Test | |
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| Status: | Passed |
| Pass/Fail Test | |
| | Passed |

| Pass/Fail Test | |
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| | Passed |
| Pass/Fail Test | |
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| Status: | Passed |
| Pass/Fail Test | |
| Status: | Passed |
| Pass/Fail Test | |
| Status: | Passed |
| Pass/Fail Test | |
| Status: | Passed |

End Sequence: Eprom writing

End Sequence: MainSequence

End UUT Report