

## SOFTWARE VERIFICATION AND VALIDATION REPORT FOR SOFTWARE CHANGE

Form: 0-PR-002-0-FO-0005

Version: 6

Page: 1 of 3



Record No 0-PR-002-0-FO-0005-4-RC-0112

Softcode CPLSSVB

SoftName Loss Measurement VB6

Version 1

Request.No SOFT00000002599

Reason Thêm chức năng đánh giá PDL tại bước DUT measurement. Đánh giá, hiển thị thông báo fail tiêu chuẩn và cho phép đo lại.

Issued by 10546-VietNT

Issued date 9/20/2024

Section issued PRE2

Scope of Application/Modification Add/Change Functionality / Thay đổi hoặc bổ sung tính năng

Hence, we approve these changes on software for using officially / Chúng tôi phê duyệt cho các thay đổi này được áp dụng chính thức từ ngày được phê duyệt


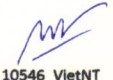
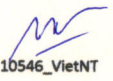



Approved by N. Tung

Approved date 10 Oct 2024

Section Manager approved 1y

| No | Acceptance Scenario   | Acceptance Test Type | Required by |     | Critical |    | Test Result |      | Confirmed By | Comments         |
|----|---|----------------------|-------------|-----|----------|----|-------------|------|--------------|------------------|
|    |   |                      | End user    | SES | Yes      | No | Pass        | Fail |              |                  |
| 1  | After DUT measurement: If product has passed PDL, software has no informing any message, Then user click Next --> software will continue to Cutback Step.<br>Input: Measure Loss for a product passed PDL port X.<br>Output: After DUT measurement, no message informed, user click next to continue to Cutback Step.   | HP                   | X           |     | X        |    | X           |      | 10546_VietNT | Sheet "Evidence" |
| 2  | After DUT measurement: If product has failed PDL for the 1st time, software has to inform a message "Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure".<br>Input: Measure loss a product failed PDL.<br>Output: After DUT measurement, software will inform the message.   | HP                   | X           |     | X        |    | X           |      | 10546_VietNT | Sheet "Evidence" |
| 3  | After DUT measurement: If product has failed PDL for the 1st time, software has to inform a message "Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure".<br>If user click OK and click Next, software will continue to CutBack step.<br>Input: Measure a product failed PDL and User do not want to remeasure DUT.<br>Output: Software will continue to CutBack step. | HP                   | X           |     | X        |    | X           |      | 10546_VietNT | Sheet "Evidence" |



| No | Acceptance Scenario   | Acceptance Test Type | Required by |     | Critical |    | Test Result |      | Confirmed By  | Comments         |
|----|---|----------------------|-------------|-----|----------|----|-------------|------|---|------------------|
|    |   |                      | End user    | SES | Yes      | No | Pass        | Fail |   |                  |
| 4  | After DUT measurement: If product has failed PDL for the 1st time, software has to inform a message "Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure".<br>If user click OK and click Remeasure, software will Remeasure DUT.<br>Input: Measure a product with PDL has failed for the 1st time and User want to remeasure DUT.<br>Output: Software will Remeasure DUT.     | HP                   | X           |     | X        |    | X           |      | <br>10546_VietNT   | Sheet "Evidence" |
| 5  | After DUT measurement: If product has failed PDL for the 2nd time, software has to inform a message "Product has failed PDL for the 2nd time. If you want to measure for the 3rd time, please re-splicing then click Remeasure".<br>If user click OK and click Remeasure, software will Remeasure DUT.<br>Input: Measure a product with PDL has failed for the 2nd time and User want to remeasure DUT.<br>Output: Software will Remeasure DUT.     | HP                   | X           |     | X        |    | X           |      | <br>10546_VietNT   | Sheet "Evidence" |
| 6  | After DUT measurement: If product has failed PDL for the 3rd time, software has to inform a message "Product has failed PDL for 3 times. Please click next for finish the measure".<br>If user click OK and the button Remeasure will be Disabled, user click next to continue to Cutback Step.<br>Input: Measure a product with PDL has failed for the 3rd time.<br>Output: Button Remeasure will be Disabled, user can only click the next button | HP                   | X           |     | X        |    | X           |      | <br>10546_VietNT   | Sheet "Evidence" |
| 7  | For product type with 2 ports needed to measure (X&Y), After DUT measurement, if PDL of X port and PDL of Y port has failed, software need to inform message and allow for re-measure DUT at both X and Y port.<br>Input: Measure product type with PDL of X port and PDL of Y port has failed<br>Output: software need to inform message and allow for re-measure DUT at both X port and Y port.   | HP                   | X           |     | X        |    | X           |      | <br>10546_VietNT   | Sheet "Evidence" |
| 8  | For TAP product type needed to measure at 3 temperatures (23,0,45 degree), After DUT measurement, if PDL of 23 degree, PDL of 0 degree and PDL of 45 degree have failed, software need to inform message and allow for re-measure DUT at 3 cases.<br>Input: Measure product type with PDL of 23 degree, PDL of 0 degree and PDL of 45 degree have failed.<br>Output: software need to inform message and allow for re-measure DUT at 3 cases.       | HP                   | X           |     | X        |    | X           |      | <br>10546_VietNT  | Sheet "Evidence" |
| 9  | PDL values at After DUT measurement and PDL values at After Measurement Finish should be same.<br>Input:<br>- Measure Y port for a coupler product.<br>- After DUT measurement, record the PDL values.<br>- After Measurement finish, record the PDL values.<br>Output: PDL values at After DUT measurement and PDL values at After Measurement Finish should be same.  | HP                   | X           |     | X        |    | X           |      | <br>10546_VietNT | Sheet "Evidence" |

Section: SES

Prepared by: Le Hoang Lam

Checked by:

Danh Nhu

Approved by:

Nguyen Bao Tram

Date: 22-Mar-2024

Date:

DMS date

Date:

DMS date

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## SOFTWARE VERIFICATION AND VALIDATION REPORT FOR SOFTWARE CHANGE

Form: 0-PR-002-0-FO-0005

Version: 6

Page: 2 of 3



| No | Acceptance Scenario   | Evidence  | Pass/Fail |
|----|---|---|-----------|
| 1  | <p>After DUT measurement: If product has passed PDL, software has no informing any message, Then user click Next --&gt; software will continue to Cutback Step.</p> <p><b>Input:</b> Measure Loss for a product <b>passed</b> PDL port X.</p> <p><b>Output:</b> After DUT measurement, <b>no message</b> informed, user click next to continue to Cutback Step.</p>                                 | <p>6</p> <p>1. When DUT measurement finished with <b>passed</b> PDL</p> <p>2. Software inform "DUT measurement finished", click OK</p> <p>3. After click OK, <b>no message</b> informed, user will click Next to go to CutBack step</p> <p>4. Click Next to go to CutBack step</p>                            | PASS      |
| 2  | <p>After DUT measurement: If product has failed PDL for the 1st time, software has to <b>inform a message</b> "Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure".</p> <p><b>Input:</b> Measure loss a product <b>failed</b> PDL.</p> <p><b>Output:</b> After DUT measurement, software will <b>inform the message</b>.</p> | <p>1. When DUT measurement finished with <b>failed</b> PDL</p> <p>2. Software inform "DUT measurement finished", click OK</p> <p>3. After click OK, a <b>message</b> informed "Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure"</p> | PASS      |

3

After DUT measurement: If product has failed PDL for the 1st time, software has to inform a message  
**"Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure".**  
If user click OK and click **Next**, software will continue to CutBack step.  
**Input:** Measure a product **failed PDL** and User **do not want** to remeasure DUT.  
**Output:** Software will **continue to CutBack** step.

1. When DUT measurement finished with **Failed PDL**

2. Software inform "DUT measurement finished", click OK

3. After click OK, a message informed "Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure"

Go to CutBack step

user do not want to remeasure, can click Next

Do Lai

Tiep Tuc

PASS

4

After DUT measurement: If product has failed PDL for the 1st time, software has to inform a message  
**"Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure".**  
If user click OK and click **Remeasure**, software will Remeasure DUT.  
**Input:** Measure a product with PDL has failed for the 1st time and User **want to remeasure DUT**.  
**Output:** Software will **Remeasure DUT**.

1. When DUT measurement finished with **Failed PDL**

2. Software inform "DUT measurement finished", click OK

3. After click OK, a message informed "Product has failed PDL for the 1st time. If you want to measure for the 2nd time, please re-splicing then click Remeasure"

4. user want to remeasure, can click

5. Software will remeasure the DUT

Do Lai

Tiep Tuc

PASS



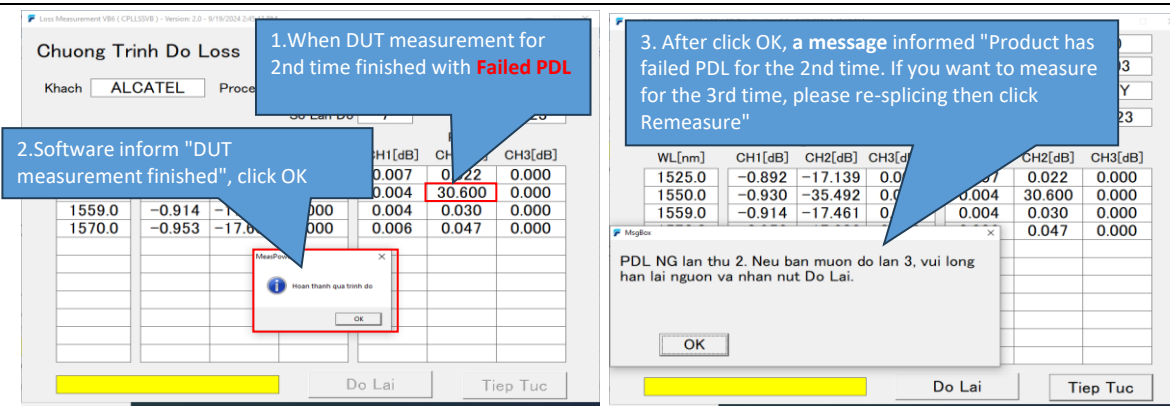
5

After DUT measurement: If product has failed PDL for the 2nd time, software has to inform a message "Product has failed PDL for the 2nd time. If you want to measure for the 3rd time, please re-splicing then click Remeasure".

If user click OK and click Remeasure, software will Remeasure DUT.

**Input:** Measure a product with **PDL has failed** for the 2nd time and User **want** to remeasure DUT.

**Output:** Software will **Remeasure DUT**.



PASS

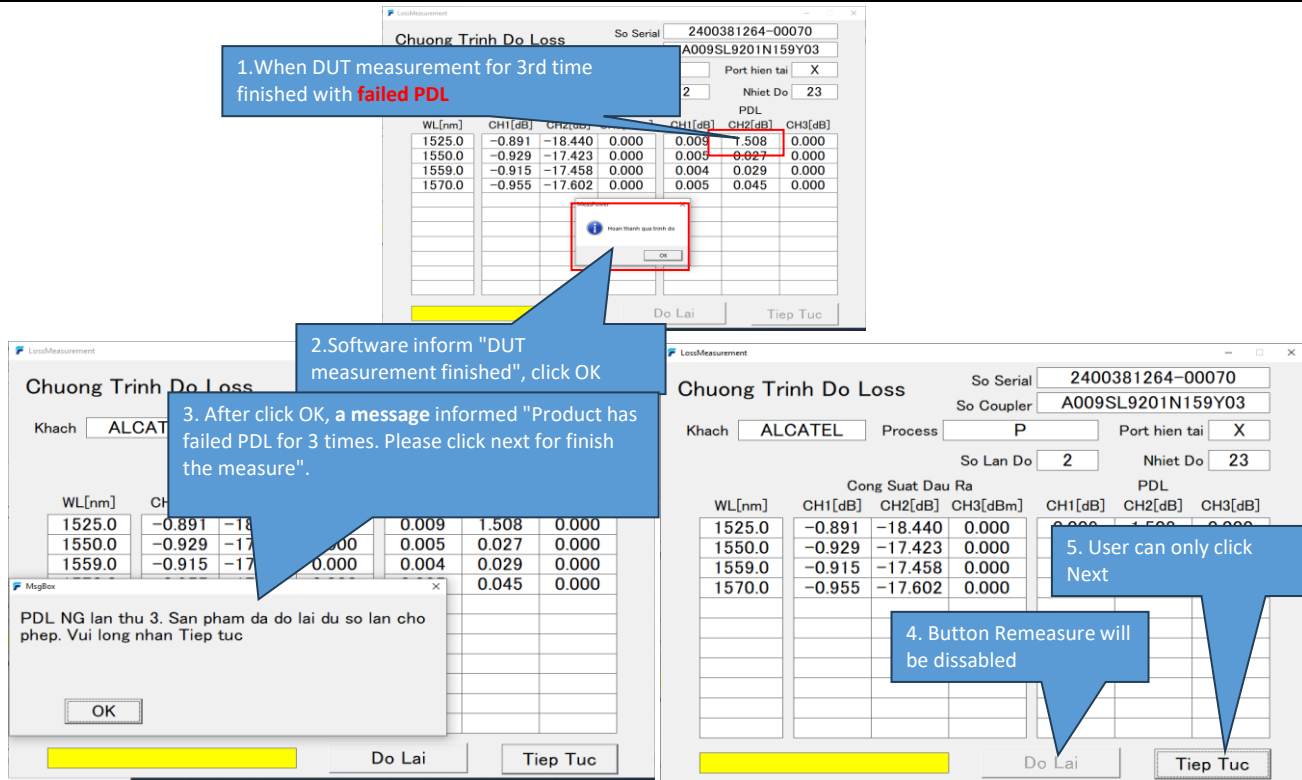
6

After DUT measurement: If product has failed PDL for the 3rd time, software has to inform a message "Product has failed PDL for 3 times. Please click next for finish the measure".

If user click OK and the button Remeasure will be Disabled, user click next to continue to Cutback Step.

**Input:** Measure a product with PDL has failed for the 3rd time.

**Output:** Button Remeasure will be Disabled, user can only click the next button



PASS

7

For product type with 2 ports needed to measure (X&Y), After DUT measurement, if PDL of X port and PDL of Y port has failed, software need to inform message and allow for re-measure DUT at both X and Y port.

Input: Measure product type with PDL of X port and PDL of Y port has failed

Output: software need to inform message and allow for re-measure DUT at both X port and Y port.

1.Port Y has failed PDL for 3 time

2.Button Remeasure dissable

3.Continue measure X port. PDL fail for 1st time-->remeasure

4. PDL fail for 2nd time

5. Port X has failed PDL for 3 time

6.Button Remeasure also dissable

PASS

8

For TAP product type needed to measure at 3 temperatures (23,0,45 degree), After DUT measurement, if PDL of 23 degree, PDL of 0 degree and PDL of 45 degree have failed, software need to inform message and allow for re-measure DUT at 3 cases.

Input: Measure product type with PDL of 23 degree, PDL of 0 degree and PDL of 45 degree have failed.

Output: software need to inform message and allow for re-measure DUT at 3 cases.

1. Temperature -5 degree has failed PDL

2. Temperature 23 degree has passed PDL

3. Temperature 43 degree has passed PDL

4. Software inform PDL failed after 3 temperature finished

5. Temperature -5 degree has passed PDL

6. Temperature 23 degree has failed PDL

7. Temperature 43 degree has passed PDL

8. Software inform PDL failed after 3 temperature finished

9. Temperature -5 degree has passed PDL

10. Temperature 23 degree has passed PDL

11. Temperature 43 degree has failed PDL

PASS

PDL values at After DUT measurement and PDL values at After Measurement Finish should be same.

Input:

- Measure X port for a coupler product.
- After DUT measurement, record the PDL values.
- After Measurement finish, record the PDL values.

Output: PDL values at After DUT measurement and PDL values at After Measurement Finish should be same.

1. After DUT measurement finished, record the PDL

2. Click OK

3. Click Next to Cut back

4. After Cutback step, click OK

5. Final result table will be shown.

6. Click Show Result

7. Record the PDL values (after measure finish)

PASS

|              |                           |                   |                              |
|--------------|---------------------------|-------------------|------------------------------|
| Section: SES | Prepared by: Le Hoang Lam | Checked: Danh Nhu | Approved by: Nguyen Bao Tram |
|              | Date: 22-Mar-2024         | Date: DMS date    | Date: DMS date               |

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| REVISION HISTORY |          |         |                    |                 |                  |                  |
|------------------|----------|---------|--------------------|-----------------|------------------|------------------|
| Date             | PIC      | Version | Old content        | New content     | Reason of change | Change requester |
| 10-Jan-2024      | VietNT   | 1       | -                  | - Ban hành mới  | -                | VietNT           |
| 18-Oct-2024      | PhuocNTH | 2       | - Chưa có Evidence | - Thêm Evidence | - Correction     | VietNT           |