Test Case Team VFL

OPTIMIZE DESIGN PARAMETER FOR MICROWAVE FILTER

Tester name: Mr. khari

2024

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| **Test Case ID** | | Version1\_1 | **Test Case Description** | | Observe cost and reward value by adjust the design parameter | | | | | |
| **Created By** | | Fong, Vincent | **Reviewed By** | | Leong | | **Version** | | Version 1.0.0.0 | |
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| **QA Tester’s Log** | |  | | | |  |  |  |  |  |
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| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | |  | |
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| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data (Cost and Reward)** | | | | |
| 1 | Download application folder | | |  | 1 | All design parameter = 40 | | | | |
| 2 | Open .exe file in \TeamVFL\_Project\_Prototype\bin\x64\Release | | |  | 2 | Design parameter, c1:14, l1:28, c2:74, l2:36, c3:59, l3:20 | | | | |
| 3 | Import the .fpx file from Test FPX file provided | | |  | 3 | Design parameter, c1:18, l1:39, c2:57, l2:62, c3:21, l3:40 | | | | |
| 4 | Click on the “Optimize” Button | | |  | 4 | Design parameter, c1:65, l1:35, c2:45, l2:25, c3:20, l3:15 | | | | |
| 5 |  | | |  | 5 | Design parameter, c1:66, l1:28, c2:40, l2:20, c3:40, l3:15 | | | | |
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| **Test Scenario** |  | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | **Expected Results**  **(should below 10% of initial cost & should above 10% of initial reward）** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Import .fpx with all parameter to 40 | | Cost= , Reward= | | Cost= , Reward | | |  | | |
| 2 | Import .fpx with parameter c1:14, l1:28, c2:74, l2:36, c3:59, l3:20 | | Cost=97.6 , Reward=-97.6 | | Cost=55.39 , Reward=-45.39 | | | Pass | | |
| 3 | Import .fpx with parameter c1:18, l1:39, c2:57, l2:62, c3:21, l3:40 | | Cost= , Reward= | | Cost= , Reward= | | |  | | |
| 4 | Import .fpx with parameter c1:65, l1:35, c2:45, l2:25, c3:20, l3:15 | | Cost= , Reward= | | Cost= , Reward= | | |  | | |
| 5 | Import .fpx with parameter c1:66, l1:28, c2:40, l2:20, c3:40, l3:15 | | Cost= , Reward= | | Cost= , Reward= | | |  | | |

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| **S #** | **Tester Remark** |
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| **Test Case ID** | | Version1\_2 | **Test Case Description** | | Import file that out of .fpx | | | | | |
| **Created By** | | Fong, Vincent | **Reviewed By** | | Leong | | **Version** | | Version 1.0.0.0 | |
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| **QA Tester’s Log** | |  | | | |  |  |  |  |  |
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| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | |  | |
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| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Download application folder | | |  | 1 | .pdf | | | | |
| 2 | Open .exe file in \TeamVFL\_Project\_Prototype\bin\x64\Release | | |  | 2 | .csv | | | | |
| 3 | Import any file that is not .fpx | | |  | 3 | .png | | | | |
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| **Test Scenario** |  | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
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| 1 | Import .pdf file | | File not found, been filter by desktop app | | File not found | | | Pass | | |
| 2 | Import .csv file | | File not found, been filter by desktop app | | File not found | | | Pass | | |
| 3 | Import .png file | | File not found, been filter by desktop app | | File not found | | | Pass | | |
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| **Test Case ID** | | Version1\_3 | **Test Case Description** | | Test Design Response area functionality | | | | | |
| **Created By** | | Fong, Vincent | **Reviewed By** | | Leong | | **Version** | | Version 1.0.0.0 | |
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| **QA Tester’s Log** | |  | | | |  |  |  |  |  |
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| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | |  | |
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| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Download application folder | | |  | 1 | All design parameter = 40 | | | | |
| 2 | Open .exe file in \TeamVFL\_Project\_Prototype\bin\x64\Release | | |  | 2 |  | | | | |
| 3 | Import the .fpx file from Test FPX file provided | | |  | 3 |  | | | | |
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| **Test Scenario** |  | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
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| 1 | Zoom in, Zoom out graph to observe specific area of graph and the x, y value. | |  | |  | | | Pass | | |
| 2 | Show series toggle button | |  | |  | | | Pass | | |
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| **Test Case ID** | | Version1\_4 | **Test Case Description** | | Test Design Parameter area functionality | | | | | |
| **Created By** | | Fong, Vincent | **Reviewed By** | | Leong | | **Version** | | Version 1.0.0.0 | |
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| **QA Tester’s Log** | |  | | | |  |  |  |  |  |
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| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | |  | |
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| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Download application folder | | |  | 1 | All design parameter = 40 | | | | |
| 2 | Open .exe file in \TeamVFL\_Project\_Prototype\bin\x64\Release | | |  | 2 |  | | | | |
| 3 | Import the .fpx file from Test FPX file provided | | |  | 3 |  | | | | |
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| **Test Scenario** |  | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
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| 1 | C1, L1 =5,50. C2, L2 =10,70. C3, L3 = 5,80 | | Those design parameter need to between the range that has been set. | | All the update parameter value in within the range | | | Pass | | |
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| **S #** | **Tester Remark** |
| 1 | It will be good to have a hover guideline for those component inside this desktop application. |
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| **Test Case ID** | | Version1\_5 | **Test Case Description** | | Test Goals Setting area functionality | | | | | |
| **Created By** | | Fong, Vincent | **Reviewed By** | | Leong | | **Version** | | Version 1.0.0.0 | |
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| **QA Tester’s Log** | |  | | | |  |  |  |  |  |
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| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | |  | |
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| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Download application folder | | |  | 1 | All design parameter = 40 | | | | |
| 2 | Open .exe file in \TeamVFL\_Project\_Prototype\bin\x64\Release | | |  | 2 |  | | | | |
| 3 | Import the .fpx file from Test FPX file provided | | |  | 3 |  | | | | |
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| **Test Scenario** |  | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | S11 goal value to -10, S21 value to -20 between 0.01 to 0.079 Ghz. | |  | | The Graph have meet the goals. | | | Pass | | |
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| **S #** | **Tester Remark** |
| 1 | When update value, user can’t really backspace as it will throw exception handling. User have to highlight the value then change. |
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