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| **Project Name**: Calculator | |
| **Test Case** | |
| **Test Case ID**: 154 | **Test Designed by**: Alan |
| **Test Priority (Low/Medium/High)**: Med | **Test Designed date**: 2023.10.22 |
| **Module Name**: Length Converter mm to nmi module; | **Test Executed by**: Alan |
| **Test Title**: Conversion of mm to nmi; | **Test Execution date**: 2023.10.22 |
| **Description**: User inputs a length in mm (millimeters) and converts it to nmi (nautical miles) using the Length Converter. |  |
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| **Pre-conditions**: Length Converter is set to convert from mm to nmi. | |
| **Dependencies**: | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | User selects mm as the source unit; | mm | mm is selected as the source unit. | mm is selected as the source unit. | Pass |  |
| 2 | User selects nmi as the target unit; | nmi | nmi is selected as the target unit. | nmi is selected as the target unit. | Pass |  |
| 3 | User enters the length in mm; | Enter a valid length in mm (e.g., 1000000) | The entered length is displayed. | The entered length (e.g., 1000000 mm) is displayed on the converter. | Pass |  |
| 4 | User initiates the conversion; | Convert | Conversion is performed, and the result in nautical miles is displayed. | Conversion is performed, and the result (e.g., 0.54 nmi) is displayed, based on the conversion rate of 1 nmi = 1,000,000 mm. | Pass |  |
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| **Post-conditions:** |
| User has successfully converted mm to nmi using the Length Converter within 6 steps, and the test case is passed. |