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| Test case Id | Bug Line No. | Bug Description | Expected Result | Observed Result | Remarks |
| 1 | 40 | Datavalid changed to 0 | Package - Permanent Failure and Package- Permanent Failure should fail | Package Intermittent, Package Permanent and Absolute Permanent assertions failed | NOT OK |
| 2 | 54 | DataInvalidCount changed to >= 25 | Package - Permanent Failure and Package- Permanent Failure should fail | Package - Permanent Failure and Package- Permanent Failure assertions failed | OK |
| 3 | 54 | DataInvalidCount changed to <= 15 | Package - Permanent Failure and Package- Permanent Failure should fail | No assertions failed | NOT OK |
| 4 | 56 | overall\_status is ORed with 0x0000. | Package - Permanent Failure should fail | Package - Permanent Failure assertion failed | OK |
| 5 | 77 | DataInvalidCount changed to > 15 | Package - Permanent Failure and Package- Permanent Failure should fail | No assertions failed | NOT OK |
| 6 | 77 | DataInvalidCount changed to > 20 | Package - Permanent Failure and Package- Permanent Failure should fail | No assertions failed | NOT OK |
| 7 | 137 | Sys1AbsLimitFail[i] assigned to 0 | Absolute permanent Failure assertions should fail | Absolute permanent Failure assertions and Absolute Intermittent Fail assertions failed | - |
| 8 | 144 | Sys1DataInvalidCount[i] changed to >= 10 | Absolute permanent Failure assertions should fail | No assertions failed | NOT OK |
| 9 | 157 | Sys1AbsLimitFail[i] assigned to 0 | Absolute permanent Failure assertions should fail | Absolute permanent Failure assertions and Absolute Intermittent Fail assertions failed | - |
| 10 | 164 | Sys1DataInvalidCount[i] changed to >= 10 | Absolute permanent Failure assertions should fail | No assertions failed | NOT OK |
| 11 | 104 | Present sample value is greater than 0.625 or changed to equal to -0.625 | Absolute Intermittent Fail assertions should fail | Intermittent Failure and all Relative Fail assertions failed | NOT OK |
| 12 |  | Present sample value is greater than 0.625 or less than -0.625 | Absolute Intermittent Fail assertions should fai | No assertions failed | NOT OK |
| 13 | 85 | Difference between previous sample count and present sample count changed to lass than 0.0489 | Relative Fail assertions should fail | Relative Fail assertions failed | OK |
| 14 | 87 | Interstatus is ORed with 0x0000. | Relative Fail assertions should fail | Relative Fail assertions failed | OK |
| 15 | 87 | The shift bit is changed to 3 positions | Relative Fail assertions should fail | Relative Fail assertions failed | OK |
| 16 | 108 | Swichover is changed to checking for on | Absolute permanent X Failure assertions should fail | Absolute permanent X Failure assertions failed | OK |
| 17 | 108 | Swichover is checked for system Y | Absolute permanent X and Y Failure assertions should fail | Absolute permanent X and Y Failure assertions failed | OK |
| 18 | 116 | The shift bit is changed to 3 positions | Absolute Intermittent Fails assertions should fail | Absolute Intermittent Fails assertions failed | OK |