# SWC\_InpMgmt\_AFE Test Report



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# **Chapter 1. Overall Results**

### 1.1. InpMgmt\_AFE\_Complex - Test Summary

| <b>Total Test Cases</b> | Untested | Passed | Failed |
|-------------------------|----------|--------|--------|
| 8                       | 0        | 5      | 3      |

# 1.2. InpMgmt\_AFE\_Complex - Test Coverage

| Analyzed Model  | SimMode | Complexity | Decision | Execution |
|-----------------|---------|------------|----------|-----------|
| SWC_InpMgmt_AFE | Normal  | 8          | 54%      | 100%      |

# **Chapter 2. Test Description**

# 2.1. InpMgmt\_AFE\_Complex - Test Cases

| Test Case Name          | Description   | Result          |
|-------------------------|---|-----------------|
| InMgmt_Grid_IR_rf       | Test that outputs contains initial values till 40ms.  | ✓ Passed        |
| InMgmt_Grid_IY_rf       | Test that outputs contains initial values till 40ms.  | Passed          |
| InMgmt_Grid_IB_rf       | Test that outputs contains initial values till 40ms.  | ✓ Passed        |
| InMgmt_DCV_Act_rf       | Test that outputs contains initial values till 200us. | Passed          |
| InMgmt_AFE_RefDCV       | Test that outputs contains initial values till 200us. | ✓ Passed        |
| InMgmt_AFE_IGBTTemp     | Test that outputs contains initial values till 200us. | Failed          |
| InMgmt_BSWIn_AFE_GDR    | Test that outputs contains initial values till 200us. | <b>⊗</b> Failed |
| InMgmt_UART_Comm_Signal | Test that outputs contains initial values till 200us. | Failed          |

### **Chapter 3. Test Summary**

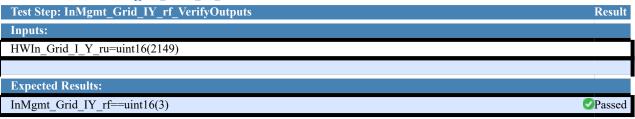
### 3.1. InpMgmt\_AFE\_Complex- TEST CASES

3.1.1. Test Case: InMgmt\_Grid\_IR\_rf



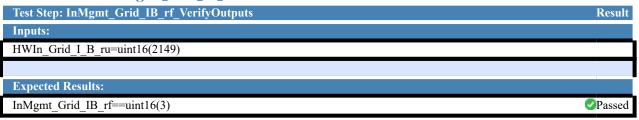
### Go back to Test Description

3.1.2. Test Case: InMgmt\_Grid\_IY\_rf



### Go back to Test Description

3.1.3. Test Case: InMgmt\_Grid\_IB\_rf



### Go back to Test Description

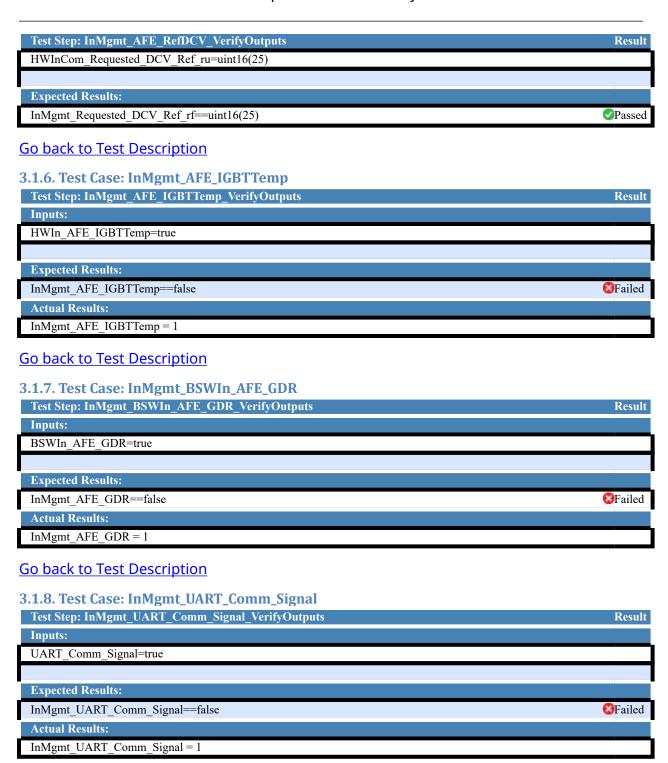
3.1.4. Test Case: InMgmt DCV Act rf

| 5.1.4. Test case. Infight_Dev_Act_II       |        |
|--|--------|
| Test Step: InMgmt_DCV_Act_rf_VerifyOutputs | Result |
| Inputs:                                    |        |
| HWIn_DCV_Act_ru=uint16(2149)               |        |
|  |        |
| Expected Results:                          |        |
| InMgmt_DCV_Act_rf==uint16(1049)            | Passed |

#### Go back to Test Description

3.1.5. Test Case: InMgmt AFE RefDCV

| J.1.J. Test case. Infigure_At L_NeiDCV     |        |
|--|--------|
| Test Step: InMgmt_AFE_RefDCV_VerifyOutputs | Result |
| Inputs:                                    |        |



Go back to Test Description