

SWC_Diag_AFE Test Report



Powering Business Worldwide

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16-Jun-2023

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Chapter 1. Overall Results

1.1. Diag_AFE - Test Summary



Total Test Cases	Untested	Passed	Failed
2	0	1	1

1.2. Diag_AFE - Test Coverage

Analyzed Model	SimMode	Complexity	Decision	Execution
SWC_Diag_AFE	Normal	25	62%	100%

Chapter 2. Test Description

2.1. Diag_AFE - Test Cases

Test Case Name	Description	Result
InMgmt_GridFreq_cumulative	Test that counter resets whenever fault is inactive	 Failed
InMgmt_GridFreq_reset	Test that counter resets whenever fault is inactive	 Passed

Chapter 3. Test Summary

3.1. Diag_AFE- TEST CASES

3.1.1. Test Case: InMgmt_GridFreq_cumulative

Test Step: InMgmt_GridFreq_cumulative_VerifySetfault	Result
Inputs:	
GridFreq_Out=uint16(55)	
Expected Results:	
Grid_freqout==false	✓ Passed
Test Step: InMgmt_GridFreq_cumulative_VerifyOutputs	Result
Inputs:	
GridFreq_Out=uint16(55)	
Expected Results:	
Grid_freqout==true	✗ Failed
Actual Results:	
Grid_freqout = 0	

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3.1.2. Test Case: InMgmt_GridFreq_reset

Test Step: InMgmt_GridFreq_reset_VerifyResetflag	Result
Inputs:	
GridFreq_Out=uint16(50)	
Expected Results:	
Grid_freqout==false	✓ Passed
Test Step: InMgmt_GridFreq_reset_verifysetfault	Result
Inputs:	
GridFreq_Out=uint16(55)	
Expected Results:	
Grid_freqout==false	✓ Passed
Test Step: InMgmt_GridFreq_reset_VerifyOutputs	Result
Inputs:	
GridFreq_Out=uint16(55)	
Expected Results:	
Grid_freqout==true	✓ Passed

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