



## Test Plan Execution Report

Test Project: EP\_PDK

Test Plan: PDK\_Test\_Plan\_01.10.02\_TDA2Px

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## Test Project: EP\_PDK

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Project: PDK Location: TII Owner: R, Sivaraj

## Test Plan: PDK\_Test\_Plan\_01.10.02\_TDA2Px

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PDK 01.10.02 release Test plan for TDA2Px

Test Plan Scope	Software Unit Test
Test Plan Category	Regression Testing

## 1.1.Test Suite : Examples

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## 1.1.1.Test Suite : VPS Examples

### 1.1.1.1.Test Suite : VPS ISS CAL Examples

#### Test Case pdk-tc-1090: vps\_examples\_capturelss\_ub954\_sensor\_bypass\_colorbar

##### Summary:

UB954 colorbar (no sensor) CSI2 4 channel capture

##### Preconditions:

NA

#:	Step actions:	Expected Results:	Execution notes:
1	NA	Capture of frames should complete @ 30 FPS	

Execution type: Manual

Estimated exec. duration (sec): 60.00

Priority: Medium

Test execution engine:

Test Category:

Test Method:

Required hardware assets:

Binary file name:

DUT parameters:

Test script or logic:

Script Arguments:

Test case time out [in sec]:

Keywords: c\_sanity  
tda2ex  
tda3xx  
tda2px  
t\_functional  
m\_cal

##### Execution Details

Build PDK\_Test\_Plan\_01.10.02\_TDA2Px\_rc1

Tester x0153534

Execution Result: **Passed**

Execution Mode: **Manual**

Execution duration (sec):

#### Test Case pdk-tc-1104: vps\_examples\_capturelss\_ub954\_sensor\_bypass\_colorbar\_phy1

##### Summary:

UB954 colorbar (no sensor) CSI2 2 channel capture connected to phy1

##### Preconditions:

NA

#:	Step actions:	Expected Results:	Execution notes:
1	NA	Capture of frames should complete @ 30 FPS	

Execution type: Manual

Estimated exec. duration (sec): 60.00

Priority: Medium

Test execution engine:

Test Category:

Test Method:	
Required hardware assets:	
Binary file name:	
DUT parameters:	
Test script or logic:	
Script Arguments:	
Test case time out [in sec]:	
<u>Keywords:</u>	c_sanity tda2ex tda2px t_functional m_cal
<b>Execution Details</b>	
Build	PDK_Test_Plan_01.10.02_TDA2Px_rc1
Tester	x0153534
<u>Execution Result:</u>	<b>Passed</b>
<u>Execution Mode:</u>	<b>Manual</b>
<u>Execution duration (sec):</u>	
Bugs	<b>PDK-3379</b> : [Resolved] : CAL : TDA2Px : Cannot operate 2nd PHY alone

**Test Case pdk-tc-1101: vps\_examples\_cal\_m2m**Summary:

This examples converts the input image of MIPI format to Linear format using the CAL A instance present as part of ISS

Preconditions:

TDA2Px EVM

<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>	<u>Execution notes:</u>
1	NA	Sensor to HDMI loopback should be seen	
<u>Execution type:</u>	Manual		
<u>Estimated exec. duration (sec):</u>	60.00		
<u>Priority:</u>	Medium		
Test execution engine:			
Test Category:	Full		
Test Method:	Functional		
Required hardware assets:			
Binary file name:			
DUT parameters:			
Test script or logic:			
Script Arguments:			
Test case time out [in sec]:			
<u>Keywords:</u>	c_full tda2px t_functional m_cal		
<b>Execution Details</b>			
Build	PDK_Test_Plan_01.10.02_TDA2Px_rc1		
Tester	x0153534		
<u>Execution Result:</u>	<b>Passed</b>		
<u>Execution Mode:</u>	<b>Manual</b>		
<u>Execution duration (sec):</u>			

## 1.1.2.Test Suite : VSDK Examples

Test Case pdk-tc-1032: visionsdk_sch_fca_usecase			
Summary:			
Vision SDK Single Ch Front Camera Analytics Usecase			
Preconditions:			
NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	The thermal APIs are tested as part of limp home mode. One can switch successfully between limp home and normal mode. The overall power consumption is ~ 2W.	
Execution type:	Manual		
Estimated exec. duration (sec):	30.00		
Priority:	Medium		
Test execution engine:			
Test Category:			
Test Method:			
Required hardware assets:			
Binary file name:			
DUT parameters:			
Test script or logic:			
Script Arguments:			
Test case time out [in sec]:			
Keywords:	c_full m_pm tda2ex tda2xx tda3xx tda2px t_functional		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA2Px_rc1		
Tester	x0153534		
Execution Result:	Passed		
Execution Mode:	Manual		
Execution duration (sec):			

<b>Test Case pdk-tc-1033: visionsdk_power_measurement_usecase</b>			
<u>Summary:</u>			
Vision SDK Power Measurement			
<u>Preconditions:</u>			
NA			
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>	<u>Execution notes:</u>
1	NA	Match the power measurements with previous estimates based on CPU load. Match the results with power estimation sheet.	
<u>Execution type:</u>	Manual		
<u>Estimated exec. duration (sec):</u>	30.00		
<u>Priority:</u>	Medium		

Test execution engine:	
Test Category:	
Test Method:	
Required hardware assets:	
Binary file name:	
DUT parameters:	
Test script or logic:	
Script Arguments:	
Test case time out [in sec]:	
<u>Keywords:</u>	c_full m_pm tda2ex tda2xx tda3xx tda2px t_performance
<b>Execution Details</b>	
Build	PDK_Test_Plan_01.10.02_TDA2Px_rc1
Tester	x0153534
<u>Execution Result:</u>	<b>Passed</b>
<u>Execution Mode:</u>	<b>Manual</b>
<u>Execution duration (sec):</u>	

**Test Case pdk-tc-1099: visionsdk\_camera\_radar\_capture\_display\_usecase**Summary:

Vision SDK camera radar capture display use case

Preconditions:

NA

<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>	<u>Execution notes:</u>
1	NA	The thermal APIs are tested as part of limp home mode. One can switch successfully between limp home and normal mode. The overall power consumption is ~ 2W.	

Execution type: ManualEstimated exec. duration (sec): 30.00Priority: Medium

Test execution engine:	
Test Category:	
Test Method:	
Required hardware assets:	
Binary file name:	
DUT parameters:	
Test script or logic:	
Script Arguments:	
Test case time out [in sec]:	
<u>Keywords:</u>	tda3xx tda2px t_functional m_radar
<b>Execution Details</b>	
Build	PDK_Test_Plan_01.10.02_TDA2Px_rc1
Tester	x0153534
<u>Execution Result:</u>	<b>Passed</b>
<u>Execution Mode:</u>	<b>Manual</b>
<u>Execution duration (sec):</u>	



## 1.2.Test Suite : MISC

<b>Test Case pdk-tc-1034: pdk_build</b>			
<u>Summary:</u>			
Daily and release build. All requirements/issues which are not testable but is part of the package and is verified			
<u>Preconditions:</u>			
NA			
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>	<u>Execution notes:</u>
1	NA	Jenkin daily build and release build successful	
<u>Execution type:</u>	Manual		
<u>Estimated exec. duration (sec):</u>	30.00		
<u>Priority:</u>	Medium		
Test execution engine:			
Test Category:			
Test Method:			
Required hardware assets:			
Binary file name:			
DUT parameters:			
Test script or logic:			
Script Arguments:			
Test case time out [in sec]:			
<u>Keywords:</u>	c_sanity tda2ex tda2xx tda3xx tda2px t_functional m_common		
<b>Execution Details</b>			
Build	PDK_Test_Plan_01.10.02_TDA2Px_rc1		
Tester	x0153534		
<u>Execution Result:</u>	<b>Passed</b>		
<u>Execution Mode:</u>	<b>Manual</b>		
Execution duration (sec):			

Test Case pdk-tc-1035: pdk_documentation			
Summary:			
Verify that the PDK package has latest release notes, API guide, datasheet, KW/MISRAC report, manifest and userguide			
Preconditions:			
NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	Verify the presence of these documents	
Execution type:	Manual		
Estimated exec. duration (sec):	30.00		
Priority:	Medium		
Test execution engine:			
Test Category:			
Test Method:			

Required hardware assets:	
Binary file name:	
DUT parameters:	
Test script or logic:	
Script Arguments:	
Test case time out [in sec]:	
<b>Keywords:</b>	c_sanity tda2ex tda2xx tda3xx tda2px t_functional m_common
<b>Execution Details</b>	
Build	PDK_Test_Plan_01.10.02_TDA2Px_rc1
Tester	x0153534
<b>Execution Result:</b>	<b>Passed</b>
<b>Execution Mode:</b>	<b>Manual</b>
<b>Execution duration (sec):</b>	

#### Test Case pdk-tc-1036: pdk\_non\_testable\_requirements

##### Summary:

These are the non-testable requirements because of EVM or testup limitation

##### Preconditions:

NA

#:	Step actions:	Expected Results:	Execution notes:
1	NA	No check need to be performed	
<b>Execution type:</b>	Manual		
<b>Estimated exec. duration (sec):</b>	30.00		
<b>Priority:</b>	Medium		
Test execution engine:			
Test Category:			
Test Method:			
Required hardware assets:			
Binary file name:			
DUT parameters:			
Test script or logic:			
Script Arguments:			
Test case time out [in sec]:			
<b>Keywords:</b>	c_sanity tda2ex tda2xx tda3xx tda2px t_functional m_common		
<b>Execution Details</b>			
Build	PDK_Test_Plan_01.10.02_TDA2Px_rc1		
Tester	x0153534		
<b>Execution Result:</b>	<b>Passed</b>		
<b>Execution Mode:</b>	<b>Manual</b>		
<b>Execution duration (sec):</b>			

#### Test Case pdk-tc-1037: pdk\_customer\_application

Summary:

This test is to hold the requirements which are done specifically for a customers and tested in customer application

Preconditions:

NA

Execution type: Manual

Estimated exec. duration (sec): 20.00

Priority: Medium

Test execution engine:

Test Category:

Test Method:

Required hardware assets:

Binary file name:

DUT parameters:

Test script or logic:

Script Arguments:

Test case time out [in sec]:

Keywords:  
c\_sanity  
tda2ex  
tda2xx  
tda3xx  
tda2px  
m\_common

**Execution Details**

Build PDK\_Test\_Plan\_01.10.02\_TDA2Px\_rc1

Tester x0153534

Execution Result: **Passed**

Execution Mode: **Manual**

Execution duration (sec):