Texas Instruments

● TestLink

Test Plan Execution Report

Test Project: EP_PDK
Test Plan: PDK_Test_Plan_01.10.02_TDA2xx

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Test Project: EP_PDK

Project: PDK Location: TII Owner: R, Sivaraj

Test Plan: PDK_Test_Plan_01.10.02_TDA2xx

PDK 01.10.02 release Test plan for TDA2xx

Test Plan Scope	Software Unit Test
Test Plan Category	Regression Testing

1.1.Test Suite : Examples

1.1.1.Test Suite : CSL Examples

Test Case pdk-tc-995: csl_gpio_toggle_app

Summary:

Configure one gpio pin as outout and generate square wave. Can probed and checked in CRO

Preconditions:

NA

#:	Step actions:	Expected Results:	Execution notes:
1	NA	The application will perform GPIO pin toggle and print pass or fail based on result	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Test execution engine:	MCPI_TEE2
Test Category:	
Test Method:	
Required hardware assets:	dut=["<platform>"]
Binary file name:	csl_gpio_toggle_app
DUT parameters:	
Test script or logic:	pdk_execute_testcase.py
Script Arguments:	
Test case time out [in sec]:	10
Keywords:	c_sanity m_gpio tda2ex tda2xx tda3xx tda2px t_functional
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-1040: csl_gpio_interrupt_app

Summary:

Configure one gpio pin along with the interrupt. Interrupt is triggered when the signal is provided on the pin

Preconditions:

NA

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 m_gpio tda2ex tda2xx tda3xx tda2px t_functional
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

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_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-1033: visionsdk_power_measurement_usecase			
Summary:			
Vision SDK Power Measurement			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	Match the power measurements with previous estimates based on CPU load. Match the results with power estimation sheet.	
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_performance
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-1082: visionsdk_iss_multi_capture_isp_dewarp_3d_srv_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 tda3xx t_functional
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-1099: visionsdk_camera_radar_capture_display_usecase

Summary:
Vision SDK camera radar capture display use case

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:	tda3xx tda2px t_functional m_radar

Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.2.Test Suite : Unit_Test

1.2.1.Test Suite : SBL

Test Case pdk-tc-719: ST_SBL_00004				
Summary:				
TDA2xx, SD, OPP NOM, Production Build, TI Image Format, Vision-SDK Image				
Preconditions: NA				
#:	**Step actions:**	**Expected Results:**		**Execution notes:**
1	NA	SBL boots the app image properly by checking at the UART console		
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_sanity m_sbl tda2xx tda2px t_functional			
Execution Details				
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1			
Tester	x0153534			
Execution Result:	**Passed**			
Execution Mode:	**Manual**			
Execution duration (sec):				

1.2.2.Test Suite : RADAR

Test Case pdk-tc-1068: ST_RADAR_TC0011			
Summary: TDA2x Cascade Radar Board Capture only test case. Capture from 4 AWR12 and dump to memory.			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	The Capture should happen at 30 FPS.	
Execution type:	Manual		
Estimated exec. duration (sec):	10.00		
Priority:	Low		
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 tda2xx m_radar		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case pdk-tc-1105: ST_RADAR_TC0013			
Summary: This unit test will enable programming SPI flash corresponding to the FPGA which converts AWR1243 CSI to TDA2 Vip Parallel port			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	The Capture should happen at 30 FPS.	
Execution type:	Manual		
Estimated exec. duration (sec):	10.00		
Priority:	Low		
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]:	
Keywords:	tda2xx
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.3.Test Suite : MISC

Test Case pdk-tc-1034: pdk_build

Summary:			
Daily and release build. All requirements/issues which are not testable but is part of the package and is verified			

Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	Jenkin daily build and release build successful	
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_sanity tda2ex tda2xx tda3xx tda2px t_functional m_common		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
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]:	
Keywords:	c_sanity tda2ex tda2xx tda3xx tda2px t_functional m_common
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-1036: pdk_non_testable_requirements

Summary:			
These are the non-testable requriements because of EVM or testup limitation			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	No check need to be performed	

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_sanity tda2ex tda2xx tda3xx tda2px t_functional m_common
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

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_TDA2xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	