Texas Instruments

TestLink

Test Plan Execution Report

Test Project: EP_PDK
Test Plan: PDK_Test_Plan_01.10.02_TDA3xx

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Test Project: EP_PDK

Project: PDK Location: TII Owner: R, Sivaraj

Test Plan: PDK_Test_Plan_01.10.02_TDA3xx

PDK 01.10.02 release Test plan for TDA3xx

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-987: csl_dcc_singleshotmode_app			
Summary: DCC test code for single shot mode			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	The application will perform DCC operation 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_dcc_singleshotmode_app		
DUT parameters:			
Test script or logic:	pdk_execute_testcase.py		
Script Arguments:	pass_string=Application successfully executed;		
Test case time out [in sec]:	10		
Keywords:	c_sanity m_dcc tda3xx t_functional		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.1.2.Test Suite : VPS Examples

1.1.2.1.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_TDA3xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.1.3.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_TDA3xx_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_TDA3xx_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_TDA3xx_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_TDA3xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.2.Test Suite : Unit_Test

1.2.1.Test Suite : RADAR

Test Case pdk-tc-971: ST_RADAR_TC0001			
Summary: TDA3x_BOOSTER_AWR_ES1.0_Capture_Only_SDKUC			
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 tda3xx t_functional m_radar		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case pdk-tc-972: ST_RADAR_TC0002			
Summary: TDA3x_BOOSTER_AWR_ES1.0_Capture_FFT_Display_SDKUC_NormalFrm			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	The FFT output on the HDMI display should track the motion of objects at the right distance and velocity.	
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 tda3xx t_functional m_radar
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-973: ST_RADAR_TC0003			
Summary: TDA3x_BOOSTER_AWR_ES1.0_Capture_FFT_Display_SDKUC_AdvFrm			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	The FFT output on the HDMI display should track the motion of objects at the right distance and velocity. Can switch between different profiles on the display to check if the resolution is different.	
Execution type:	Manual		
Estimated exec. duration (sec):	10.00		
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 tda3xx t_functional m_radar		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case pdk-tc-974: ST_RADAR_TC0004
Summary: TDA3x_BOOSTER_AWR_ES1.0_Capture_FFT_Display_SDKUC_ReadBackParams

Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	Use Option c to read back parameters and verify parameters match with programmed. UC gives a pass or fail signature on selecting this option.	
Execution type:	Manual		
Estimated exec. duration (sec):	10.00		
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 tda3xx t_functional m_radar
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-975: ST_RADAR_TC0005			
Summary: TDA3x_BOOSTER_AWR_ES1.0_Capture_FFT_Display_SDKUC_DynStopStart			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	Use option d in the usecase. The usecase should not hang. The display will be updated to 10 m range versus default 5 m. Choosing d again switches back to 5 m.	
Execution type:	Manual		
Estimated exec. duration (sec):	10.00		
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 tda3xx t_functional m_radar
Execution Details	

Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-976: ST_RADAR_TC0006			
Summary: TDA3x_ALPS_AWR_ES1.0_Capture_FFT_Null_SDKUC			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	The FFT output on the HDMI display should track the motion of objects at the right distance and velocity.	
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 tda3xx t_functional m_radar		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case pdk-tc-977: ST_RADAR_TC0007			
Summary: TDA3x_BOOSTER_AWR_ES2.0_Capture_Only_SDKUC			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	The software should detect ES2.0 and load firmware. 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 tda3xx t_functional m_radar
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-978: ST_RADAR_TC0008			
Summary: TDA3x_ALPS_AWR_Firmware_Flash_SDKUC			
Preconditions: NA			
#:	Step actions:	Expected Results:	Execution notes:
1	NA	Run the test by choosing UC 1 to firmware erase and flash. The expected result is firmware flashing goes through without issues and the next time the usecase is run the AWR12 works without having to load the firmware via SPI.	
Execution type:	Manual		
Estimated exec. duration (sec):	10.00		
Priority:	High		

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 tda3xx t_functional m_radar
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-979: ST_RADAR_TC0009
Summary: TDA3x_D3_MID_LONG_RANGE_RADAR_SDKUC

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 tda3xx t_functional m_radar		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1		
Tester	x0153534		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case pdk-tc-980: ST_RADAR_TC0010			
Summary: TDA3x_D3_FPD_Link_Board_SingleCh_Radar_SDKUC			
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 tda3xx t_functional m_radar		
Execution Details			
Build	PDK_Test_Plan_01.10.02_TDA3xx_rc1		
Tester	x0153534		

Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case pdk-tc-1086: ST_RADAR_TC0012			
Summary: This unit test will enable monitoring and runtime caliberation features of AWR1243 ES2.0 devices			
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 tda3xx m_radar
Execution Details	
Build	PDK_Test_Plan_01.10.02_TDA3xx_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_TDA3xx_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_TDA3xx_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_TDA3xx_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_TDA3xx_rc1
Tester	x0153534
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	