

Test Report

Created by:latabhax 2024-02-05 14:21:00

Board: 10.123.100.165

Report printed in folder: C:/MentorGraphics/XStep.2020.01.0.3/XStepAPI/armhf/work

Report name: C:/MentorGraphics/XStep.2020.01.0.3/XStepAPI/armhf/work/JESD204C_4Lane_1250Mbps_Tx-latabhax-2024-02-05_time_14-21-00.html and .pdf

Test Case Name:JESD204C_4Lane_1250Mbps_Tx

Test Case Description:Example Test Case: JESD204C Tx 1250Mbps 4 Lane, Tx Always on

Test Case started:2024/02/05 14:17:59

Created by:latabhax 2024-02-05 14:21:00

Report printed in folder: C:/MentorGraphics/XStep.2020.01.0.3/XStepAPI/armhf/work

Report name: C:/MentorGraphics/XStep.2020.01.0.3/XStepAPI/armhf/work/JESD204C_4Lane_1250Mbps_Tx-latabhax-2024-02-05_time_14-21-00.html and .pdf

Hit Name	Status	Description	File	Modified	Cumulative Run Time (sec)	Number
JESD204C_Test_Case_Settings	Done	0 JESD204C_Test_Case_Settings	sarokal/reference_testhits/jesd204c/jesd204c_testcase_settings.hxx	Mon Mar 16 16:53:31 2020	9.165	0
JESD204C_Program_Device	Done	1 JESD204C_Program_Device	sarokal/reference_testhits/jesd204c/jesd204c_program.hxx	Mon Mar 16 16:53:31 2020	23.74	1
COMMON_Ext_Ref_Clock_Usage	Done	2 COMMON_Ext_Ref_Clock_Usage	sarokal/reference_testhits/common/common.hxx	Mon Mar 16 16:53:31 2020	23.74	2
JESD204C_TX_Copy_Input_Files	Done	3 JESD204C_TX_Copy_Input_Files	sarokal/reference_testhits/jesd204c/jesd204c_tx_hits.hxx	Mon Mar 16 16:53:31 2020	77.67	3
JESD204C_TX_Initialize_and_Mode_Definition	Done	4 JESD204C_TX_Initialize_and_Mode_Definition	sarokal/reference_testhits/jesd204c/jesd204c_tx_hits.hxx	Mon Mar 16 16:53:31 2020	77.79	4
JESD204C_TX_Generate_Stimulus	Done	5 JESD204C_TX_Generate_Stimulus	sarokal/reference_testhits/jesd204c/jesd204c_tx_hits.hxx	Mon Mar 16 16:53:31 2020	86.62	5
JESD204C_TX_Start	Done	6 JESD204C_TX_Start	sarokal/reference_testhits/jesd204c/jesd204c_tx_hits.hxx	Mon Mar 16 16:53:31 2020	87.35	6
JESD204C_TX_Poll_State	Running	7 JESD204C_TX_Poll_State	sarokal/reference_testhits/jesd204c/jesd204c_tx_hits.hxx	Mon Mar 16 16:53:31 2020		7

Log:

Compile OK

Copy Ready

Copy DONE

Test JESD204C_4Lane_1250Mbps_Tx started: 2024/02/05 14:17:57

cd /root/XStep/work;chmod +x JESD204C_4Lane_1250Mbps_Tx;LD_LIBRARY_PATH=/root/XStep/lib ./JESD204C_4Lane_1250Mbps_Tx

#x.info 00:00:00:027 Using XSTEP DNRT4:1512012, CPU1512027, EFU1512009 , rev:.

#x.info 00:00:00:102 MAC address 70:B3:D5:FA:20:72

#log.info 00:00:00:185 Looking for xstep-runtime license..

#log.info 00:00:00:443 License xstep-runtime checked out

Reset variables in VariableForm

Test JESD204C_4Lane_1250Mbps_Tx started: 2024/02/05 14:17:59

#testcase.run 00:00:00:797 Start test case JESD204C_4Lane_1250Mbps_Tx

#testcase.info 00:00:00:798 XStepApi version: 2020.01.0.3

#testcase.info 00:00:00:798 Import XStepApi.ini settings

#testcase.info 00:00:00:798 Import JESD204C_4Lane_1250Mbps_Tx.ini settings

#testcase.info 00:00:00:799 No arguments

#testcase.run 00:00:00:799 Start test hit 0 JESD204C_Test_Case_Settings

#log.info 00:00:00:803 JESD204C selected as the working directory for this test case.

#apix.settings.workdir JESD204C

#client.copyC2X 00:00:00:807 JESD204C/jesd204c_setup_1G25_1lane_ABC_usecase_11C_01_02_24.txt to: JESD204C/jesd204c_setup_1G25_1lane_ABC_usecase_11C_01_02_24.txt

#client.copy.end ready

#log.info 00:00:09:149 Copy done

#testcase.run 00:00:09:165 Done test hit 0 JESD204C_Test_Case_Settings

#testcase.run 00:00:09:165 Start test hit 1 JESD204C_Program_Device

#apix.jesd204c.program 1G25 4

#jesd204c.info 00:00:09:166 Jesd204c program using 1G25 bitrate

#jesd204c.info 00:00:09:167 Jesd204c program 4 lane(s) configured

#program.info 00:00:09:168 Unload xilinx_emaclite kernel module

#console.info 00:00:09:172

#console.info 00:00:09:175

#clock.info 00:00:09:176 Starting to set frequency 156250000

#program.info 00:00:09:213 FPGA is empty

#program.info 00:00:10:486 CPU md5Hash = 87f65c6ed5b22e2631779274ca34a92b

#program.info 00:00:10:487 CPU Ver=C04F1015

#program.info 00:00:10:885 Programming ../bin/CPU.bit

#program.info 00:00:10:893 CPU Board programmed

#program.info 00:00:12:108 IFU md5Hash = 95a7e83456f6cac59fd85c8aac2e9f0e

#program.info 00:00:12:108 IFU Ver=E0030015

#program.info 00:00:12:109 Programming ../bin/EFU_64B66B.bit

#program.info 00:00:12:122 Programming interface card...

#program.info 00:00:23:676 Number of active links set to 1

#program.info 00:00:23:677 Number of active lanes set to 4

#program.info 00:00:23:736 Memory if - OK

#program.info 00:00:23:737 Register if - OK

#testcase.run 00:00:23:738 Done test hit 1 JESD204C_Program_Device

#testcase.run 00:00:23:738 Start test hit 2 COMMON_Ext_Ref_Clock_Usage

#log.info 00:00:23:739 External reference clock usage not selected (useExtRefClock=0)

#testcase.run 00:00:23:740 Done test hit 2 COMMON_Ext_Ref_Clock_Usage

#testcase.run 00:00:23:740 Start test hit 3 JESD204C_TX_Copy_Input_Files

#apix.jesd204c.tx.copyInputFiles jesd204c_setup_1G25_1lane_ABC_usecase_11C_01_02_24.txt

#log.info 00:00:24:017 License jesd204c-actor checked out

#client.copyC2X 00:00:24:018 JESD204C/jesd204c_setup_1G25_1lane_ABC_usecase_11C_01_02_24.txt to: JESD204C/jesd204c_setup_1G25_1lane_ABC_usecase_11C_01_02_24.txt

#client.copy.end ready

#log.info 00:00:34:039 Copy done

#client.copyC2X 00:00:34:052 JESD204C/payload0.txt to: JESD204C/payload0.txt

#client.copy.end ready

#log.info 00:00:43:329 Copy done

#client.copyC2X 00:00:43:330 JESD204C/payload1.txt to: JESD204C/payload1.txt

#client.copy.end ready

#log.info 00:00:52:109 Copy done

#client.copyC2X 00:00:52:110 JESD204C/payload2.txt to: JESD204C/payload2.txt

#client.copy.end ready

#log.info 00:01:00:434 Copy done

#client.copyC2X 00:01:00:435 JESD204C/payload3.txt to: JESD204C/payload3.txt

#client.copy.end ready

#log.info 00:01:09:199 Copy done

#client.copyC2X 00:01:09:200 JESD204C/input_command_words.txt to: JESD204C/input_command_words.txt

#client.copy.end ready

#log.info 00:01:17:669 Copy done

#testcase.run 00:01:17:670 Done test hit 3 JESD204C_TX_Copy_Input_Files

#testcase.run 00:01:17:670 Start test hit 4 JESD204C_TX_Initialize_and_Mode_Definition

#apix.jesd204c.tx.reset

#apix.jesd204c.tx.init

#testcase.run 00:01:17:794 Done test hit 4 JESD204C_TX_Initialize_and_Mode_Definition

#testcase.run 00:01:17:795 Start test hit 5 JESD204C_TX_Generate_Stimulus

#log.info 00:01:17:795 Stimulus will be generated.

#apix.jesd204c.tx.addSegment jesd204c_setup_1G25_1lane_ABC_usecase_11C_01_02_24.txt TxSegment1 0

#tx.info 00:01:17:808 Running Generator

#protocolInfo 00:01:17:809 Info: JESD204C Generator started, links 1, lanes 4

#protocolInfo 00:01:17:809 Loading JESD204C setup

#log.info 00:01:17:816 ErrorConfigFile not defined, error injection disabled.

#log.info 00:01:17:817 Load settings Jesd204cTxTriggerPulse.Payload=

#log.info 00:01:17:817 Load settings Jesd204cTxTriggerPulse.Amount=0

#log.info 00:01:17:818 Load settings Jesd204cTxTriggerPulse.Offset=0

#log.info 00:01:17:818 Load settings Jesd204cTxTriggerPulse.Length=8

#log.info 00:01:17:818 Load settings Jesd204cTxTriggerPulse.Period=10000

#log.info 00:01:17:819 Load settings Jesd204cTxTriggerPulse.Invert=0

#log.info 00:01:17:819 Load command word USER.CUSTOM mb:5 addr:0x0 data:0x7c1f23458 len:35 type:24 loop:1

#log.info 00:01:17:820 Load command word REG.WRITE mb:12 addr:0x12315 data:0x55 len:25 type:0 loop:1

#log.info 00:01:17:820 Load command word NOOP mb:14 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:821 Load command word REG.STREAMING_WRITE mb:14 addr:0x0 data:0x56 len:10 type:0 loop:1

#log.info 00:01:17:821 Load command word REG.STREAMING_WRITE mb:20 addr:0x0 data:0x57 len:10 type:0 loop:1

#log.info 00:01:17:821 Load command word REG.READ_REQ mb:21 addr:0xad85 data:0x0 len:20 type:0 loop:1

#log.info 00:01:17:822 Load command word REG.READ_ACK mb:22 addr:0x85 data:0x55 len:25 type:0 loop:1

#log.info 00:01:17:822 Load command word REG.READ_ACK mb:24 addr:0x85 data:0x55 len:25 type:0 loop:1

#log.info 00:01:17:822 Load command word BUF.FULL mb:26 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:822 Load command word BUF.CLEAR mb:28 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:823 Load command word BUF.CLEAR mb:28 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:823 Load command word BUF.CLEAR mb:28 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:823 Load command word BUF.CLEAR mb:29 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:824 Load command word BUF.CLEAR mb:29 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:824 Load command word USER.CUSTOM mb:29 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:01:17:824 Load command word USER.CUSTOM mb:31 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:01:17:825 Load command word USER.CUSTOM mb:33 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:01:17:825 Load command word USER.CUSTOM mb:34 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:01:17:825 Load command word USER.CUSTOM mb:36 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:01:17:826 Load command word USER.CUSTOM mb:38 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:01:17:826 Load command word NOOP mb:40 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:826 Load command word NOOP mb:40 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:01:17:827 Load command word USER.CUSTOM mb:40 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:01:17:827 Load command word USER.CUSTOM mb:41 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:01:17:827 Load command word USER.CUSTOM mb:42 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:01:17:828 Load command word USER.CUSTOM mb:42 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:01:17:828 Load command word USER.CUSTOM mb:43 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:01:17:828 Load command word USER.CUSTOM mb:44 addr:0x0 data:0x0 len:0 type:31 loop:1

#log.info 00:01:17:830 Load settings Converter0.PayloadFileName=payload0.txt

#log.info 00:01:17:830 Payload type FILE selected

#log.info 00:01:17:831 Load settings Converter0.LoopPayload=0

#log.info 00:01:17:831 Load settings Converter0.PayloadFileFormat=HEX_16

#log.info 00:01:17:832 Load settings Converter1.PayloadFileName=payload1.txt

#log.info 00:01:17:833 Payload type FILE selected

#log.info 00:01:17:833 Load settings Converter1.LoopPayload=0

#log.info 00:01:17:834 Load settings Converter1.PayloadFileFormat=HEX_16

#log.info 00:01:17:835 Load settings Converter2.PayloadFileName=payload2.txt

#log.info 00:01:17:835 Payload type FILE selected

#log.info 00:01:17:836 Load settings Converter2.LoopPayload=0

#log.info 00:01:17:837 Load settings Converter2.PayloadFileFormat=HEX_16

#log.info 00:01:17:838 Load settings Converter3.PayloadFileName=payload3.txt

#log.info 00:01:17:838 Payload type FILE selected

#log.info 00:01:17:839 Load settings Converter3.LoopPayload=0

#log.info 00:01:17:839 Load settings Converter3.PayloadFileFormat=HEX_16

#log.info 00:01:17:840 Load settings L = 4

#log.info 00:01:17:841 Load settings F = 2

#log.info 00:01:17:841 Load settings M = 4

#log.info 00:01:17:841 Load settings CS = 0

#log.info 00:01:17:842 Load settings N = 16

#log.info 00:01:17:842 Load settings N_total = 16

#log.info 00:01:17:842 Load settings S = 1

#log.info 00:01:17:843 Load settings HD = 1

#log.info 00:01:17:843 Load settings CF = 0

#log.info 00:01:17:843 Load settings E = 1

#log.info 00:01:17:843 Load settings NumberOfExtMultiblocks = 1000

#log.info 00:01:17:844 Load settings CmdChannelSingleLaneMode = 1

#log.info 00:01:17:844 Load settings ReverseReportBits = 0

#log.info 00:01:17:844 Load settings Verbose = 0

#log.info 00:01:17:845 Load settings OversamplePayloads = 1

#log.info 00:01:17:845 Load settings IdleType = PayloadLoop

#log.info 00:01:17:845 Load settings ControlChannelMode = DeviceControlChannel

#log.info 00:01:17:845 Load settings Tailbits = high

#log.info 00:01:17:846 Load settings LimitSavePayloadSize = 1

#log.info 00:01:17:846 Load settings CmdWordInputFileName = input_command_words.txt

#log.info 00:01:17:846 Load settings TxReportFileName = TX_frame_report_file.txt

#log.info 00:01:17:847 Load settings Lane0.TxFrameFileName = TX0_frame_file.txt

#log.info 00:01:17:847 Load settings BusWidthBytes = 4

#log.info 00:01:17:847 Load settings SyncWordMode = MODE_CMD_CHANNEL

#log.info 00:01:17:848 Load settings TxFrameCaptureStartTrigger = TRIGGER_EMB_START

#protocol.info 00:01:17:848

#protocol.info 00:01:17:848 JESD204C Setup done

#protocol.info 00:01:17:849 Generation of multiblocks started

#protocol.info 00:01:18:714 25600 bytes generated

#protocol.info 00:01:19:585 51200 bytes generated

#protocolInfo 00:01:20:457 76800 bytes generated

#protocolInfo 00:01:21:330 102400 bytes generated

#protocolInfo 00:01:22:202 128000 bytes generated

#protocolInfo 00:01:23:076 153600 bytes generated

#protocolInfo 00:01:23:951 179200 bytes generated

#protocolInfo 00:01:24:826 204800 bytes generated

#protocolInfo 00:01:25:701 230400 bytes generated

#protocolInfo 00:01:26:575 256000 bytes generated

#protocolInfo 00:01:26:578 JESD204C Generation completed successfully

#protocolInfo 00:01:26:578 JESD204C frames generation done

#testcase.run 00:01:26:622 Done test hit 5 JESD204C_TX_Generate_Stimulus

#testcase.run 00:01:26:622 Start test hit 6 JESD204C_TX_Start

#apix.jesd204c.tx.start

#apix.jesd204c.tx.getState

#testcase.run 00:01:27:352 Done test hit 6 JESD204C_TX_Start

#testcase.run 00:01:27:352 Start test hit 7 JESD204C_TX_Poll_State

#apix.jesd204c.tx.getState

#log.info 00:01:27:353 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:28:352 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:29:362 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:30:371 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:31:381 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:32:390 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:33:400 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:34:409 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:35:419 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:36:419 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:37:428 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:38:438 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:39:448 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:40:448 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:41:457 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:42:457 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:43:457 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:44:457 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:45:457 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:46:467 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:47:467 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:48:476 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:49:486 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:50:496 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:51:505 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:52:514 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:53:524 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:54:533 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:55:543 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:56:553 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:57:562 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:58:563 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:01:59:563 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:00:562 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:01:563 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:02:563 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:03:563 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:04:563 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:05:563 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:06:564 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:07:564 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:57:580 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:58:590 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:02:59:590 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:03:00:590 Tx FSM state = STREAMING in lane 0

#apix.jesd204c.tx.getState STREAMING

#log.info 00:03:01:591 Tx FSM state = STREAMING in lane 0