

# Test Report

Created by:latabhax 2024-01-29 17:27:30

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\_Rx-latabhax-2024-01-29\_time\_17-27-30.html and .pdf

Test Case Name:JESD204C\_4Lane\_1250Mbps\_Tx\_Rx

Test Case Description:Example Test Case: JESD204C Rx 1250Mbps 4 Lane, Tx Master mode, Rx trigger to EMB\_START

Test Case started:2024/01/29 17:05:31

Created by:latabhax 2024-01-29 17:27:30

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\_Rx-latabhax-2024-01-29\_time\_17-27-30.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	41.73	0
JESD204C_Program_Device	Done	1 JESD204C_Program_Device	sarokal/reference_testhits/jesd204c/jesd204c_program.hxx	Mon Mar 16 16:53:31 2020	56.14	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	56.14	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	221.7	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	221.8	4
JESD204C_RX_Initialize_and_Trigger_Definition	Done	5 JESD204C_RX_Initialize_and_Trigger_Definition	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	Mon Mar 16 16:53:31 2020	221.9	5
JESD204C_RX_Reserve_Capture_Segment	Done	6 JESD204C_RX_Reserve_Capture_Segment	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	Mon Mar 16 16:53:31 2020	222	6
JESD204C_TX_Generate_Stimulus	Done	7 JESD204C_TX_Generate_Stimulus	sarokal/reference_testhits/jesd204c/jesd204c_tx_hits.hxx	Mon Mar 16 16:53:31 2020	228.9	7
JESD204C_TX_Start	Done	8 JESD204C_TX_Start	sarokal/reference_testhits/jesd204c/jesd204c_tx_hits.hxx	Mon Mar 16 16:53:31 2020	229.6	8
JESD204C_RX_Check_Receiver_Sync	Done	9 JESD204C_RX_Check_Receiver_Sync	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	Mon Mar 16 16:53:31 2020	229.6	9
JESD204C_RX_Start	Done	10 JESD204C_RX_Start	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	Mon Mar 16 16:53:31 2020	230.1	10
JESD204C_RX_Wait_For_Trigger_and_Capture	Done	11 JESD204C_RX_Wait_For_Trigger_and_Capture	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	Mon Mar 16 16:53:31 2020	231.1	11
JESD204C_RX_Analyze_Capture	Done	12 JESD204C_RX_Analyze_Capture	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	Mon Mar 16 16:53:31 2020	233.6	12
JESD204C_RX_Stop	Done	13 JESD204C_RX_Stop	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	Mon Mar 16 16:53:31 2020	233.6	13
JESD204C_TX_Stop	Done	14 JESD204C_TX_Stop	sarokal/reference_testhits/jesd204c/jesd204c_tx_hits.hxx	Mon Mar 16 16:53:31 2020	233.6	14
				Mon Mar		

JESD204C_RX_Print_Results_Vector	Done	15 JESD204C_RX_Print_Results_Vector	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	16 16:53:31 2020	233.6	15
JESD204C_RX_Copy_Output_Files	Done	16 JESD204C_RX_Copy_Output_Files	sarokal/reference_testhits/jesd204c/jesd204c_rx_hits.hxx	Mon Mar 16 16:53:31 2020	459.6	16

Log:

[Compile OK](#)

Copy Ready

Copy DONE

Test JESD204C\_4Lane\_1250Mbps\_Tx\_Rx started: 2024/01/29 17:05:30

cd /root/XStep/work;chmod +x JESD204C\_4Lane\_1250Mbps\_Tx\_Rx;LD\_LIBRARY\_PATH=/root/XStep/lib ./JESD204C\_4Lane\_1250Mbps\_Tx\_Rx

#x.info 00:00:00:015 Using XSTEP DNRT4:1512012, CPU1512027, EFU1512009 , rev:.

#x.info 00:00:00:053 MAC address 70:B3:D5:FA:20:72

#log.info 00:00:00:091 Looking for xstep-runtime license..

#log.info 00:00:00:093 License xstep-runtime checked out

Reset variables in VariableForm

Test JESD204C\_4Lane\_1250Mbps\_Tx\_Rx started: 2024/01/29 17:05:31

#testcase.run 00:00:00:802 Start test case JESD204C\_4Lane\_1250Mbps\_Tx\_Rx

#testcase.info 00:00:00:803 XStepApi version: 2020.01.0.3

#testcase.info 00:00:00:804 Import XStepApi.ini settings

#testcase.info 00:00:00:804 Import JESD204C\_4Lane\_1250Mbps\_Tx\_Rx.ini settings

#testcase.info 00:00:00:805 No arguments

[#testcase.run 00:00:00:806 Start test hit 0 JESD204C\\_Test\\_Case\\_Settings](#)

#log.info 00:00:00:815 JESD204C selected as the working directory for this test case.

#apix.settings.workdir JESD204C

#client.copyC2X 00:00:00:818 JESD204C/jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt to: JESD204C/jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt

#client.copy.end ready

#log.info 00:00:14:650 Copy done

#client.copyC2X 00:00:14:693 JESD204C/jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt to: JESD204C/jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt

#client.copy.end ready

#log.info 00:00:41:680 Copy done

[#testcase.run 00:00:41:732 Done test hit 0 JESD204C\\_Test\\_Case\\_Settings](#)

[#testcase.run 00:00:41:733 Start test hit 1 JESD204C\\_Program\\_Device](#)

#apix.jesd204c.program 1G25 4

#jesd204c.info 00:00:41:734 Jesd204c program using 1G25 bitrate

#jesd204c.info 00:00:41:735 Jesd204c program 4 lane(s) configured

#program.info 00:00:41:738 Unload xilinx\_emaclite kernel module

#console.info 00:00:41:742

#console.info 00:00:41:747

#clock.info 00:00:41:748 Starting to set frequency 156250000

#program.info 00:00:42:874 CPU md5Hash = 87f65c6ed5b22e2631779274ca34a92b

#program.info 00:00:42:874 CPU Ver=C04F1015

#program.info 00:00:43:286 Programming ../bin/CPU.bit

#program.info 00:00:43:296 CPU Board programmed

#program.info 00:00:44:364 IFU md5Hash = 95a7e83456ffcac59fd85c8aac2e9f0e

#program.info 00:00:44:365 IFU Ver=E0030015

#program.info 00:00:44:366 Programming ../bin/EFU\_64B66B.bit

#program.info 00:00:44:381 Programming interface card...

#program.info 00:00:56:070 Number of active links set to 1

#program.info 00:00:56:071 Number of active lanes set to 4

#program.info 00:00:56:135 Memory if - OK

#program.info 00:00:56:136 Register if - OK

#testcase.run 00:00:56:139 Done test hit 1 JESD204C\_Program\_Device

#testcase.run 00:00:56:139 Start test hit 2 COMMON\_Ext\_Ref\_Clock\_Usage

#log.info 00:00:56:141 External reference clock usage not selected (useExtRefClock=0)

#testcase.run 00:00:56:142 Done test hit 2 COMMON\_Ext\_Ref\_Clock\_Usage

#testcase.run 00:00:56:142 Start test hit 3 JESD204C\_TX\_Copy\_Input\_Files

#apix.jesd204c.tx.copyInputFiles jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt

#log.info 00:00:56:162 License jesd204c-actor checked out

#client.copyC2X 00:00:56:163 JESD204C/jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt to: JESD204C/jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt

#client.copy.end ready

#log.info 00:01:14:755 Copy done

#client.copyC2X 00:01:14:806 JESD204C/payload0.txt to: JESD204C/payload0.txt

#client.copy.end ready

#log.info 00:01:24:065 Copy done

#client.copyC2X 00:01:24:066 JESD204C/payload1.txt to: JESD204C/payload1.txt

#client.copy.end ready

#log.info 00:01:32:875 Copy done

#client.copyC2X 00:01:32:876 JESD204C/payload2.txt to: JESD204C/payload2.txt

#client.copy.end ready

#log.info 00:01:41:155 Copy done

#client.copyC2X 00:01:41:156 JESD204C/payload3.txt to: JESD204C/payload3.txt

#client.copy.end ready

#log.info 00:01:49:535 Copy done

#client.copyC2X 00:01:49:536 JESD204C/payload4.txt to: JESD204C/payload4.txt

#client.copy.end ready

#log.info 00:01:58:515 Copy done

#client.copyC2X 00:01:58:516 JESD204C/payload5.txt to: JESD204C/payload5.txt

#client.copy.end ready

#log.info 00:02:06:905 Copy done

#client.copyC2X 00:02:06:906 JESD204C/payload6.txt to: JESD204C/payload6.txt

#client.copy.end ready

#log.info 00:02:15:635 Copy done

#client.copyC2X 00:02:15:636 JESD204C/payload7.txt to: JESD204C/payload7.txt

#client.copy.end ready

#log.info 00:02:24:475 Copy done

#client.copyC2X 00:02:24:476 JESD204C/payload8.txt to: JESD204C/payload8.txt

#client.copy.end ready

#log.info 00:02:33:035 Copy done

#client.copyC2X 00:02:33:036 JESD204C/payload9.txt to: JESD204C/payload9.txt

#client.copy.end ready

#log.info 00:02:42:860 Copy done

#client.copyC2X 00:02:42:861 JESD204C/payload10.txt to: JESD204C/payload10.txt

#client.copy.end ready

#log.info 00:02:51:195 Copy done

#client.copyC2X 00:02:51:196 JESD204C/payload11.txt to: JESD204C/payload11.txt

#client.copy.end ready

#log.info 00:02:59:550 Copy done

#client.copyC2X 00:02:59:551 JESD204C/payload12.txt to: JESD204C/payload12.txt

#client.copy.end ready

#log.info 00:03:07:745 Copy done

#client.copyC2X 00:03:07:746 JESD204C/payload13.txt to: JESD204C/payload13.txt

#client.copy.end ready

#log.info 00:03:16:160 Copy done

#client.copyC2X 00:03:16:161 JESD204C/payload14.txt to: JESD204C/payload14.txt

#client.copy.end ready

#log.info 00:03:24:590 Copy done

#client.copyC2X 00:03:24:591 JESD204C/payload15.txt to: JESD204C/payload15.txt

#client.copy.end ready

#log.info 00:03:32:935 Copy done

#client.copyC2X 00:03:32:936 JESD204C/input\_command\_words.txt to: JESD204C/input\_command\_words.txt

#client.copy.end ready

#log.info 00:03:41:715 Copy done

#testcase.run 00:03:41:716 Done test hit 3 JESD204C\_TX\_Copy\_Input\_Files

#testcase.run 00:03:41:716 Start test hit 4 JESD204C\_TX\_Initialize\_and\_Mode\_Definition

#apix.jesd204c.tx.reset

#apix.jesd204c.tx.init

#testcase.run 00:03:41:842 Done test hit 4 JESD204C\_TX\_Initialize\_and\_Mode\_Definition

#testcase.run 00:03:41:843 Start test hit 5 JESD204C\_RX\_Initialize\_and\_Trigger\_Definition

#log.info 00:03:41:845 Initializing variables and Rx trigger

#apix.jesd204c.rx.reset

#apix.jesd204c.rx.init

#log.info 00:03:41:920 Forcing the capture to start instantly after Rx start

#apix.jesd204c.rx.triggerMode 0

#testcase.run 00:03:41:921 Done test hit 5 JESD204C\_RX\_Initialize\_and\_Trigger\_Definition

#testcase.run 00:03:41:922 Start test hit 6 JESD204C\_RX\_Reserve\_Capture\_Segment

#log.info 00:03:41:923 Defining capture segment & size and frame settings for the Analyzer

#rx.info 00:03:41:976 Calculated Segment Size: 0x 4e200

#apix.jesd204c.rx.calculateReceiveSegmentSize jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt 320000

#apix.jesd204c.rx.addSegment jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt RxSegment1 320160 1

#rx.info 00:03:42:025 Capturing 0MB, free disk space 22740MB.

#testcase.run 00:03:42:026 Done test hit 6 JESD204C\_RX\_Reserve\_Capture\_Segment

#testcase.run 00:03:42:027 Start test hit 7 JESD204C\_TX\_Generate\_Stimulus

#log.info 00:03:42:028 Stimulus will be generated.

#apix.jesd204c.tx.addSegment jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt TxSegment1 0

#tx.info 00:03:42:072 Running Generator

#protocol.info 00:03:42:074 Info: JESD204C Generator started, links 1, lanes 4

#protocol.info 00:03:42:075 Loading JESD204C setup

#log.info 00:03:42:097 ErrorConfigFile not defined, error injection disabled.

#log.info 00:03:42:099 Load settings Jesd204cTxTriggerPulse.Payload=

#log.info 00:03:42:099 Load settings Jesd204cTxTriggerPulse.Amount=0

#log.info 00:03:42:100 Load settings Jesd204cTxTriggerPulse.Offset=0

#log.info 00:03:42:101 Load settings Jesd204cTxTriggerPulse.Length=8

#log.info 00:03:42:102 Load settings Jesd204cTxTriggerPulse.Period=10000

#log.info 00:03:42:103 Load settings Jesd204cTxTriggerPulse.Invert=0

#log.info 00:03:42:103 Load command word USER.CUSTOM mb:5 addr:0x0 data:0x7c1f23458 len:35 type:24 loop:1

#log.info 00:03:42:104 Load command word REG.WRITE mb:12 addr:0x12315 data:0x55 len:25 type:0 loop:1

#log.info 00:03:42:105 Load command word NOOP mb:14 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:105 Load command word REG.STREAMING\_WRITE mb:14 addr:0x0 data:0x56 len:10 type:0 loop:1

#log.info 00:03:42:106 Load command word REG.STREAMING\_WRITE mb:20 addr:0x0 data:0x57 len:10 type:0 loop:1

#log.info 00:03:42:106 Load command word REG.READ\_REQ mb:21 addr:0xad85 data:0x0 len:20 type:0 loop:1

#log.info 00:03:42:107 Load command word REG.READ\_ACK mb:22 addr:0x85 data:0x55 len:25 type:0 loop:1

#log.info 00:03:42:107 Load command word REG.READ\_ACK mb:24 addr:0x85 data:0x55 len:25 type:0 loop:1

#log.info 00:03:42:108 Load command word BUF.FULL mb:26 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:109 Load command word BUF.CLEAR mb:28 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:109 Load command word BUF.CLEAR mb:28 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:110 Load command word BUF.CLEAR mb:28 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:110 Load command word BUF.CLEAR mb:29 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:111 Load command word BUF.CLEAR mb:29 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:111 Load command word USER.CUSTOM mb:29 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:03:42:112 Load command word USER.CUSTOM mb:31 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:03:42:112 Load command word USER.CUSTOM mb:33 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:03:42:113 Load command word USER.CUSTOM mb:34 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:03:42:113 Load command word USER.CUSTOM mb:36 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:03:42:114 Load command word USER.CUSTOM mb:38 addr:0x0 data:0x23542 len:20 type:31 loop:1

#log.info 00:03:42:115 Load command word NOOP mb:40 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:115 Load command word NOOP mb:40 addr:0x0 data:0x0 len:0 type:0 loop:1

#log.info 00:03:42:116 Load command word USER.CUSTOM mb:40 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:03:42:116 Load command word USER.CUSTOM mb:41 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:03:42:117 Load command word USER.CUSTOM mb:42 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:03:42:118 Load command word USER.CUSTOM mb:42 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:03:42:118 Load command word USER.CUSTOM mb:43 addr:0x0 data:0x1a len:5 type:28 loop:1

#log.info 00:03:42:119 Load command word USER.CUSTOM mb:44 addr:0x0 data:0x0 len:0 type:31 loop:1

#log.info 00:03:42:120 Load settings Converter0.PayloadFileName=payload0.txt

#log.info 00:03:42:121 Payload type FILE selected

#log.info 00:03:42:122 Load settings Converter0.LoopPayload=0

#log.info 00:03:42:123 Load settings Converter0.PayloadFileFormat=HEX\_16

#log.info 00:03:42:135 Load settings Converter1.PayloadFileName=payload1.txt

#log.info 00:03:42:136 Payload type FILE selected

#log.info 00:03:42:137 Load settings Converter1.LoopPayload=0

#log.info 00:03:42:138 Load settings Converter1.PayloadFileFormat=HEX\_16

#log.info 00:03:42:150 Load settings Converter2.PayloadFileName=payload2.txt

#log.info 00:03:42:151 Payload type FILE selected

#log.info 00:03:42:152 Load settings Converter2.LoopPayload=0

#log.info 00:03:42:153 Load settings Converter2.PayloadFileFormat=HEX\_16

#log.info 00:03:42:165 Load settings Converter3.PayloadFileName=payload3.txt

#log.info 00:03:42:166 Payload type FILE selected

#log.info 00:03:42:167 Load settings Converter3.LoopPayload=0

#log.info 00:03:42:168 Load settings Converter3.PayloadFileFormat=HEX\_16

#log.info 00:03:42:181 Load settings Converter4.PayloadFileName=payload4.txt

#log.info 00:03:42:182 Payload type FILE selected

#log.info 00:03:42:183 Load settings Converter4.LoopPayload=0

#log.info 00:03:42:184 Load settings Converter4.PayloadFileFormat=HEX\_16

#log.info 00:03:42:196 Load settings Converter5.PayloadFileName=payload5.txt

#log.info 00:03:42:197 Payload type FILE selected

#log.info 00:03:42:198 Load settings Converter5.LoopPayload=0

#log.info 00:03:42:199 Load settings Converter5.PayloadFileFormat=HEX\_16

#log.info 00:03:42:211 Load settings Converter6.PayloadFileName=payload6.txt

#log.info 00:03:42:212 Payload type FILE selected

#log.info 00:03:42:214 Load settings Converter6.LoopPayload=0

#log.info 00:03:42:215 Load settings Converter6.PayloadFileFormat=HEX\_16

#log.info 00:03:42:227 Load settings Converter7.PayloadFileName=payload7.txt

#log.info 00:03:42:228 Payload type FILE selected

#log.info 00:03:42:229 Load settings Converter7.LoopPayload=0

#log.info 00:03:42:230 Load settings Converter7.PayloadFileFormat=HEX\_16

#log.info 00:03:42:243 Load settings Converter8.PayloadFileName=payload8.txt

#log.info 00:03:42:244 Payload type FILE selected

#log.info 00:03:42:245 Load settings Converter8.LoopPayload=0

#log.info 00:03:42:246 Load settings Converter8.PayloadFileFormat=HEX\_16

#log.info 00:03:42:259 Load settings Converter9.PayloadFileName=payload9.txt

#log.info 00:03:42:260 Payload type FILE selected

#log.info 00:03:42:261 Load settings Converter9.LoopPayload=0

#log.info 00:03:42:262 Load settings Converter9.PayloadFileFormat=HEX\_16

#log.info 00:03:42:275 Load settings Converter10.PayloadFileName=payload10.txt

#log.info 00:03:42:276 Payload type FILE selected

#log.info 00:03:42:277 Load settings Converter10.LoopPayload=0

#log.info 00:03:42:278 Load settings Converter10.PayloadFileFormat=HEX\_16

#log.info 00:03:42:291 Load settings Converter11.PayloadFileName=payload11.txt

#log.info 00:03:42:292 Payload type FILE selected

#log.info 00:03:42:293 Load settings Converter11.LoopPayload=0

#log.info 00:03:42:294 Load settings Converter11.PayloadFileFormat=HEX\_16

#log.info 00:03:42:307 Load settings Converter12.PayloadFileName=payload12.txt

#log.info 00:03:42:308 Payload type FILE selected

#log.info 00:03:42:310 Load settings Converter12.LoopPayload=0

#log.info 00:03:42:311 Load settings Converter12.PayloadFileFormat=HEX\_16

#log.info 00:03:42:323 Load settings Converter13.PayloadFileName=payload13.txt

#log.info 00:03:42:324 Payload type FILE selected

#log.info 00:03:42:326 Load settings Converter13.LoopPayload=0

#log.info 00:03:42:327 Load settings Converter13.PayloadFileFormat=HEX\_16

#log.info 00:03:42:340 Load settings Converter14.PayloadFileName=payload14.txt

#log.info 00:03:42:341 Payload type FILE selected

#log.info 00:03:42:342 Load settings Converter14.LoopPayload=0

#log.info 00:03:42:343 Load settings Converter14.PayloadFileFormat=HEX\_16

#log.info 00:03:42:356 Load settings Converter15.PayloadFileName=payload15.txt

#log.info 00:03:42:357 Payload type FILE selected

#log.info 00:03:42:359 Load settings Converter15.LoopPayload=0

#log.info 00:03:42:360 Load settings Converter15.PayloadFileFormat=HEX\_16

#log.info 00:03:42:372 Load settings L = 4

#log.info 00:03:42:373 Load settings F = 8

#log.info 00:03:42:373 Load settings M = 16

#log.info 00:03:42:374 Load settings CS = 0

#log.info 00:03:42:374 Load settings N = 16

#log.info 00:03:42:375 Load settings N\_total = 16

#log.info 00:03:42:376 Load settings S = 1

#log.info 00:03:42:376 Load settings HD = 1

#log.info 00:03:42:377 Load settings CF = 0

#log.info 00:03:42:377 Load settings E = 1

#log.info 00:03:42:378 Load settings NumberOfExtMultiblocks = 1000

#log.info 00:03:42:378 Load settings CmdChannelSingleLaneMode = 1

#log.info 00:03:42:379 Load settings ReverseReportBits = 0

#log.info 00:03:42:380 Load settings Verbose = 0

#log.info 00:03:42:380 Load settings OversamplePayloads = 1

#log.info 00:03:42:381 Load settings IdleType = PayloadLoop

#log.info 00:03:42:381 Load settings ControlChannelMode = DeviceControlChannel

#log.info 00:03:42:382 Load settings Tailbits = high

#log.info 00:03:42:382 Load settings LimitSavePayloadSize = 1

#log.info 00:03:42:383 Load settings CmdWordInputFileName = input\_command\_words.txt

#log.info 00:03:42:383 Load settings TxReportFileName = TX\_frame\_report\_file.txt

#log.info 00:03:42:384 Load settings Lane0.TxFrameFileName = TX0\_frame\_file.txt

#log.info 00:03:42:385 Load settings BusWidthBytes = 4

#log.info 00:03:42:385 Load settings SyncWordMode = MODE\_CMD\_CHANNEL

#log.info 00:03:42:386 Load settings TxFrameCaptureStartTrigger = TRIGGER\_EMB\_START

#protocol.info 00:03:42:386

#protocol.info 00:03:42:387 JESD204C Setup done

#protocol.info 00:03:42:387 Generation of multiblocks started

#protocol.info 00:03:43:035 25600 bytes generated

#protocol.info 00:03:43:679 51200 bytes generated

#protocol.info 00:03:44:324 76800 bytes generated

#protocol.info 00:03:44:967 102400 bytes generated

#protocol.info 00:03:45:614 128000 bytes generated

#protocol.info 00:03:46:258 153600 bytes generated

#protocol.info 00:03:46:902 179200 bytes generated

#protocol.info 00:03:47:547 204800 bytes generated

#protocol.info 00:03:48:191 230400 bytes generated

#protocol.info 00:03:48:834 256000 bytes generated

#protocol.info 00:03:48:837 JESD204C Generation completed successfully

#protocol.info 00:03:48:838 JESD204C frames generation done

#testcase.run 00:03:48:855 Done test hit 7 JESD204C\_TX\_Generate\_Stimulus

#testcase.run 00:03:48:855 Start test hit 8 JESD204C\_TX\_Start

#apix.jesd204c.tx.start

#apix.jesd204c.tx.getState

#testcase.run 00:03:49:630 Done test hit 8 JESD204C\_TX\_Start

#testcase.run 00:03:49:631 Start test hit 9 JESD204C\_RX\_Check\_Receiver\_Sync

#testcase.run 00:03:49:632 Done test hit 9 JESD204C\_RX\_Check\_Receiver\_Sync

#testcase.run 00:03:49:632 Start test hit 10 JESD204C\_RX\_Start

#apix.jesd204c.rx.start

#testcase.run 00:03:50:078 Done test hit 10 JESD204C\_RX\_Start

#testcase.run 00:03:50:079 Start test hit 11 JESD204C\_RX\_Wait\_For\_Trigger\_and\_Capture

#apix.jesd204c.rx.getState CAPTURE

#log.info 00:03:50:081 Rx FSM state = CAPTURE in lane 0

#apix.jesd204c.rx.getState DONE

#log.info 00:03:51:085 Rx FSM state = DONE in lane 0

#testcase.run 00:03:51:086 Done test hit 11 JESD204C\_RX\_Wait\_For\_Trigger\_and\_Capture

#testcase.run 00:03:51:086 Start test hit 12 JESD204C\_RX\_Analyze\_Capture

#apix.jesd204c.rx.analyze jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt RxSegment1

#rx.info 00:03:51:135 Running Analyzer

#rx.info 00:03:51:137 Analyze segname: RxSegment1\_link0 address 0x10000000

#protocol.info 00:03:51:138 JESD204C Analyzer started

#protocol.info 00:03:51:160 Loading JESD204C setup

#log.info 00:03:51:161 Load settings Jesd204cRxTriggerPulse.SavePayload=

#log.info 00:03:51:162 Load settings Jesd204cRxTriggerPulse.SavePayloadFileFormat=HEX

#log.info 00:03:51:163 Load settings Jesd204cRxTriggerPulse.FileHeader=

#log.info 00:03:51:164 Load settings Jesd204cRxTriggerPulse.SavePayloadBytesInLine=8

#log.info 00:03:51:164 Load settings Jesd204cRxTriggerPulse.LsbFirst=0

#log.info 00:03:51:165 Load settings Jesd204cRxTriggerPulse.DeltaCalc=

#log.info 00:03:51:166 Load settings Jesd204cRxTriggerPulse.DeltaCalcEdge=

#log.info 00:03:51:167 Load settings Jesd204cRxTriggerPulse.Report=0

#log.info 00:03:51:169 Load settings Converter0.SavePayloadFileName=savepayload0.txt

#log.info 00:03:51:169 Load settings Converter0.FileHeader=

#log.info 00:03:51:170 Load settings Converter0.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:171 Load settings Converter0.SavePayloadBytesInLine=8

#log.info 00:03:51:172 Load settings Converter0.AddIQFrontBits=0

#log.info 00:03:51:173 Load settings Converter1.SavePayloadFileName=savepayload1.txt

#log.info 00:03:51:174 Load settings Converter1.FileHeader=

#log.info 00:03:51:175 Load settings Converter1.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:176 Load settings Converter1.SavePayloadBytesInLine=8

#log.info 00:03:51:177 Load settings Converter1.AddIQFrontBits=0

#log.info 00:03:51:177 Load settings Converter2.SavePayloadFileName=savepayload2.txt

#log.info 00:03:51:178 Load settings Converter2.FileHeader=

#log.info 00:03:51:179 Load settings Converter2.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:180 Load settings Converter2.SavePayloadBytesInLine=8

#log.info 00:03:51:181 Load settings Converter2.AddIQFrontBits=0

#log.info 00:03:51:182 Load settings Converter3.SavePayloadFileName=savepayload3.txt

#log.info 00:03:51:183 Load settings Converter3.FileHeader=

#log.info 00:03:51:184 Load settings Converter3.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:185 Load settings Converter3.SavePayloadBytesInLine=8

#log.info 00:03:51:186 Load settings Converter3.AddIQFrontBits=0

#log.info 00:03:51:187 Load settings Converter4.SavePayloadFileName=savepayload4.txt

#log.info 00:03:51:188 Load settings Converter4.FileHeader=

#log.info 00:03:51:189 Load settings Converter4.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:190 Load settings Converter4.SavePayloadBytesInLine=8

#log.info 00:03:51:191 Load settings Converter4.AddIQFrontBits=0

#log.info 00:03:51:192 Load settings Converter5.SavePayloadFileName=savepayload5.txt

#log.info 00:03:51:193 Load settings Converter5.FileHeader=

#log.info 00:03:51:194 Load settings Converter5.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:195 Load settings Converter5.SavePayloadBytesInLine=8

#log.info 00:03:51:196 Load settings Converter5.AddIQFrontBits=0

#log.info 00:03:51:197 Load settings Converter6.SavePayloadFileName=savepayload6.txt

#log.info 00:03:51:198 Load settings Converter6.FileHeader=

#log.info 00:03:51:200 Load settings Converter6.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:201 Load settings Converter6.SavePayloadBytesInLine=8

#log.info 00:03:51:201 Load settings Converter6.AddIQFrontBits=0

#log.info 00:03:51:202 Load settings Converter7.SavePayloadFileName=savepayload7.txt



#log.info 00:03:51:204 Load settings Converter7.FileHeader=

#log.info 00:03:51:205 Load settings Converter7.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:206 Load settings Converter7.SavePayloadBytesInLine=8

#log.info 00:03:51:207 Load settings Converter7.AddIQFrontBits=0

#log.info 00:03:51:208 Load settings Converter8.SavePayloadFileName=savepayload8.txt

#log.info 00:03:51:209 Load settings Converter8.FileHeader=

#log.info 00:03:51:210 Load settings Converter8.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:211 Load settings Converter8.SavePayloadBytesInLine=8

#log.info 00:03:51:212 Load settings Converter8.AddIQFrontBits=0

#log.info 00:03:51:213 Load settings Converter9.SavePayloadFileName=savepayload9.txt

#log.info 00:03:51:214 Load settings Converter9.FileHeader=

#log.info 00:03:51:215 Load settings Converter9.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:216 Load settings Converter9.SavePayloadBytesInLine=8

#log.info 00:03:51:217 Load settings Converter9.AddIQFrontBits=0

#log.info 00:03:51:219 Load settings Converter10.SavePayloadFileName=savepayload10.txt

#log.info 00:03:51:220 Load settings Converter10.FileHeader=

#log.info 00:03:51:221 Load settings Converter10.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:222 Load settings Converter10.SavePayloadBytesInLine=8

#log.info 00:03:51:223 Load settings Converter10.AddIQFrontBits=0

#log.info 00:03:51:224 Load settings Converter11.SavePayloadFileName=savepayload11.txt

#log.info 00:03:51:225 Load settings Converter11.FileHeader=

#log.info 00:03:51:226 Load settings Converter11.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:227 Load settings Converter11.SavePayloadBytesInLine=8

#log.info 00:03:51:228 Load settings Converter11.AddIQFrontBits=0

#log.info 00:03:51:229 Load settings Converter12.SavePayloadFileName=savepayload12.txt

#log.info 00:03:51:230 Load settings Converter12.FileHeader=

#log.info 00:03:51:231 Load settings Converter12.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:232 Load settings Converter12.SavePayloadBytesInLine=8

#log.info 00:03:51:233 Load settings Converter12.AddIQFrontBits=0

#log.info 00:03:51:234 Load settings Converter13.SavePayloadFileName=savepayload13.txt

#log.info 00:03:51:235 Load settings Converter13.FileHeader=

#log.info 00:03:51:237 Load settings Converter13.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:238 Load settings Converter13.SavePayloadBytesInLine=8

#log.info 00:03:51:239 Load settings Converter13.AddIQFrontBits=0

#log.info 00:03:51:240 Load settings Converter14.SavePayloadFileName=savepayload14.txt

#log.info 00:03:51:241 Load settings Converter14.FileHeader=

#log.info 00:03:51:242 Load settings Converter14.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:243 Load settings Converter14.SavePayloadBytesInLine=8

#log.info 00:03:51:244 Load settings Converter14.AddIQFrontBits=0

#log.info 00:03:51:245 Load settings Converter15.SavePayloadFileName=savepayload15.txt

#log.info 00:03:51:246 Load settings Converter15.FileHeader=

#log.info 00:03:51:248 Load settings Converter15.SavePayloadFileFormat=HEX\_16

#log.info 00:03:51:249 Load settings Converter15.SavePayloadBytesInLine=8

#log.info 00:03:51:250 Load settings Converter15.AddIQFrontBits=0

#log.info 00:03:51:250 Load settings L = 4

#log.info 00:03:51:251 Load settings F = 8

#log.info 00:03:51:251 Load settings M = 16

#log.info 00:03:51:252 Load settings CS = 0

#log.info 00:03:51:253 Load settings N = 16

#log.info 00:03:51:253 Load settings N\_total = 16

#log.info 00:03:51:254 Load settings S = 1

#log.info 00:03:51:254 Load settings HD = 1

#log.info 00:03:51:255 Load settings CF = 0

#log.info 00:03:51:255 Load settings E = 1

#log.info 00:03:51:256 Load settings NumberOfExtMultiblocks = 1000

#log.info 00:03:51:256 Load settings CmdChannelSingleLaneMode = 1

#log.info 00:03:51:257 Load settings ReverseReportBits = 0

#log.info 00:03:51:257 Load settings Verbose = 0

#log.info 00:03:51:258 Load settings OversamplePayloads = 1

#log.info 00:03:51:259 Load settings IdleType = PayloadLoop

#log.info 00:03:51:259 Load settings ControlChannelMode = DeviceControlChannel

#log.info 00:03:51:260 Load settings Tailbits = high

#log.info 00:03:51:260 Load settings LimitSavePayloadSize = 1

#log.info 00:03:51:261 Load settings CmdWordOutputFileName = output\_command\_words.txt

#log.info 00:03:51:262 Load settings RxReportFileName = RX\_frame\_report\_file.txt

#log.info 00:03:51:262 Load settings RxFrameCaptureStartTrigger = TRIGGER\_IMMEDIATELY

#log.info 00:03:51:263 Load settings Lane0.RxOutputFrameFileName = RX0\_frame\_file.txt

#log.info 00:03:51:263 Load settings BusWidthBytes = 4

#log.info 00:03:51:264 Load settings SyncWordMode = MODE\_CMD\_CHANNEL

#protocol.info 00:03:51:269 Multiblock synchronization found:

#protocol.info 00:03:51:269 Lane 0 offset: 208

#protocol.info 00:03:51:270 Lane 1 offset: 208

#protocol.info 00:03:51:270 Lane 2 offset: 208

#protocol.info 00:03:51:271 Lane 3 offset: 208

#protocol.info 00:03:51:492 6403 bytes analyzed

#protocol.info 00:03:51:723 12806 bytes analyzed

#protocol.info 00:03:51:972 19209 bytes analyzed

#protocol.info 00:03:52:196 25612 bytes analyzed

#protocol.info 00:03:52:418 32015 bytes analyzed

#protocol.info 00:03:52:642 38418 bytes analyzed

#protocol.info 00:03:52:865 44821 bytes analyzed

#protocol.info 00:03:53:089 51224 bytes analyzed

#protocol.info 00:03:53:314 57627 bytes analyzed

#protocol.info 00:03:53:536 64030 bytes analyzed

#protocol.info 00:03:53:537 Jesd204C protocol warnings found:

#protocol.info 00:03:53:537

#protocol.info 00:03:53:538 Command channel faulty header 0

#protocol.info 00:03:53:538 Command channel faulty payload length 0

#protocol.info 00:03:53:539 Command channel reserved type received 0

#protocol.info 00:03:53:539 Sync word faulty pilot signal 0

#protocol.info 00:03:53:540 Sync word faulty EoEMB signal 0

#protocol.info 00:03:53:541 Sync word faulty parity bit 0

#protocol.info 00:03:53:541 Invalid sync header 0

#protocol.info 00:03:53:542

#protocol.info 00:03:53:547 Analysis completed successfully

#protocol.info 00:03:53:547 Savefiles generated:

#protocol.info 00:03:53:548 savepayload0.txt

#protocol.info 00:03:53:548 savepayload1.txt

#protocol.info 00:03:53:549 savepayload2.txt

#protocol.info 00:03:53:550 savepayload3.txt

#protocol.info 00:03:53:550 savepayload4.txt

#protocol.info 00:03:53:551 savepayload5.txt

#protocol.info 00:03:53:551 savepayload6.txt

#protocol.info 00:03:53:552 savepayload7.txt

#protocol.info 00:03:53:552 savepayload8.txt

#protocol.info 00:03:53:553 savepayload9.txt

#protocol.info 00:03:53:554 savepayload10.txt

#protocol.info 00:03:53:554 savepayload11.txt

#protocol.info 00:03:53:555 savepayload12.txt

#protocol.info 00:03:53:555 savepayload13.txt

#protocol.info 00:03:53:556 savepayload14.txt

#protocol.info 00:03:53:557 savepayload15.txt

#testcase.run 00:03:53:574 Done test hit 12 JESD204C\_RX\_Analyze\_Capture

#testcase.run 00:03:53:574 Start test hit 13 JESD204C\_RX\_Stop

#apix.jesd204c.rx.stop

#testcase.run 00:03:53:576 Done test hit 13 JESD204C\_RX\_Stop

#testcase.run 00:03:53:577 Start test hit 14 JESD204C\_TX\_Stop

#apix.jesd204c.tx.stop

#testcase.run 00:03:53:580 Done test hit 14 JESD204C\_TX\_Stop

#testcase.run 00:03:53:581 Start test hit 15 JESD204C\_RX\_Print\_Results\_Vector

#apix.jesd204c.rx.printResultsVector

#log.info 00:03:53:582 #jesd204c.results\_vector:Command channel faulty header=0,Command channel faulty payload length=0,Command channel reserved type received=0,Sync word faulty pilot signal=0,Sync word faulty EoEMB signal=0,Sync word faulty parity bit=0,Invalid sync header=0,

#testcase.run 00:03:53:583 Done test hit 15 JESD204C\_RX\_Print\_Results\_Vector

#testcase.run 00:03:53:584 Start test hit 16 JESD204C\_RX\_Copy\_Output\_Files

#apix.jesd204c.rx.copyOutputFiles jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt

#client.copyC2X 00:03:53:586 JESD204C/jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt to: JESD204C/jesd204c\_setup\_1G25\_1lane\_ABC\_usecase\_5c\_28\_11\_23.txt

#client.copy.end ready

#log.info 00:04:04:705 Copy done

#client.copyX2C 00:04:04:754 JESD204C/savepayload0.txt to: JESD204C/savepayload0.txt

#client.copy.end ready

#log.info 00:04:15:035 Copy done

#client.copyX2C 00:04:15:035 JESD204C/savepayload1.txt to: JESD204C/savepayload1.txt

#client.copy.end ready

#log.info 00:04:24:915 Copy done

#client.copyX2C 00:04:24:916 JESD204C/savepayload2.txt to: JESD204C/savepayload2.txt

#client.copy.end ready

#log.info 00:04:34:315 Copy done

#client.copyX2C 00:04:34:316 JESD204C/savepayload3.txt to: JESD204C/savepayload3.txt

#client.copy.end ready

#log.info 00:04:44:445 Copy done

#client.copyX2C 00:04:44:446 JESD204C/savepayload4.txt to: JESD204C/savepayload4.txt

#client.copy.end ready

#log.info 00:04:53:720 Copy done

#client.copyX2C 00:04:53:721 JESD204C/savepayload5.txt to: JESD204C/savepayload5.txt

#client.copy.end ready

#log.info 00:05:03:075 Copy done

#client.copyX2C 00:05:03:076 JESD204C/savepayload6.txt to: JESD204C/savepayload6.txt

#client.copy.end ready

#log.info 00:05:13:605 Copy done

#client.copyX2C 00:05:13:606 JESD204C/savepayload7.txt to: JESD204C/savepayload7.txt

#client.copy.end ready

#log.info 00:05:24:475 Copy done

#client.copyX2C 00:05:24:476 JESD204C/savepayload8.txt to: JESD204C/savepayload8.txt

#client.copy.end ready

#log.info 00:05:33:845 Copy done

#client.copyX2C 00:05:33:846 JESD204C/savepayload9.txt to: JESD204C/savepayload9.txt

#client.copy.end ready

#log.info 00:05:43:240 Copy done

#client.copyX2C 00:05:43:241 JESD204C/savepayload10.txt to: JESD204C/savepayload10.txt

#client.copy.end ready

#log.info 00:05:53:365 Copy done

#client.copyX2C 00:05:53:366 JESD204C/savepayload11.txt to: JESD204C/savepayload11.txt

#client.copy.end ready

#log.info 00:06:03:675 Copy done

#client.copyX2C 00:06:03:676 JESD204C/savepayload12.txt to: JESD204C/savepayload12.txt

#client.copy.end ready

#log.info 00:06:13:540 Copy done

#client.copyX2C 00:06:13:541 JESD204C/savepayload13.txt to: JESD204C/savepayload13.txt

#client.copy.end ready

#log.info 00:06:25:935 Copy done

#client.copyX2C 00:06:25:936 JESD204C/savepayload14.txt to: JESD204C/savepayload14.txt

#client.copy.end ready

#log.info 00:06:35:345 Copy done

#client.copyX2C 00:06:35:346 JESD204C/savepayload15.txt to: JESD204C/savepayload15.txt

#client.copy.end ready

#log.info 00:06:46:675 Copy done

#client.copyX2C 00:06:46:676 JESD204C/RX0\_frame\_file.txt to: JESD204C/RX0\_frame\_file.txt

#client.copy.end ready

#log.info 00:07:00:155 Copy done

#client.copyX2C 00:07:00:156 JESD204C/RX\_frame\_report\_file.txt to: JESD204C/RX\_frame\_report\_file.txt

#client.copy.end ready

#log.info 00:07:30:315 Copy done

#client.copyX2C 00:07:30:316 JESD204C/output\_command\_words.txt to: JESD204C/output\_command\_words.txt

#client.copy.end ready

#log.info 00:07:39:555 Copy done

#testcase.run 00:07:39:556 Done test hit 16 JESD204C\_RX\_Copy\_Output\_Files

#testcase.run 00:07:39:556 All hits run

#testcase.run 00:07:39:556 Done test case JESD204C\_4Lane\_1250Mbps\_Tx\_Rx

#log.info 00:07:39:557 Releasing license jesd204c-actor

#log.info 00:07:39:557 License released

#log.info 00:07:39:558 Releasing license xstep-runtime

#log.info 00:07:39:559 License released

#log.info 00:07:39:560 Exit from XStep pid : 23563