



TekExpress HDM

Source Test Report

Setup Information			
DUT ID	DUT001	Scope Model	DPO71604C
Date/Time	2019-02-23 11:09:00	Scope Serial Number	B110695
Device Type	HDM Physical Layer Solution	SPC, FactoryCalibration	PASS;PASS
TekExpress Version	HDM:3.0.1.23 Framework:3.0.2.96	Scope F/W Version	7.6.0 Build 7
Spec Version	CTS 2.0	DPOJET Version	7.1.2.38
Overall Compliance Mode	Yes	Probe1 Model	P7313SMA
Execution Mode	Live	Probe1 Serial Number	B022381
Overall Execution Time	0:12:24	Probe2 Model	P7313SMA
Overall Test Result	Pass	Probe2 Serial Number	B022380
		Probe3 Model	P7313SMA
		Probe3 Serial Number	B020646
		Probe4 Model	P7313SMA
		Probe4 Serial Number	B021133
DUT COMMENT:	General Comment – HDM2.0 Source		

Test Name Summary Table		
Test Name	Result	Execution Time
HF1-1- VL and VSwing	Pass	0:12:21

HF1-1- VL and VSwing										
Lane Name	Measurement Details	Measured Value	Units	TBit	Data Rate	Test Result	Margin	Low Limit	High Limit	Comments
Clock	TMDS VLow for Clock+	2.7097	V	168.5186 ps	5.94 Gbps	Pass	0.4097 & 0.3903	2.3	3.1	
Clock	TMDS VLow for Clock-	2.7153	V	168.5186 ps	5.94 Gbps	Pass	0.4153 & 0.3847	2.3	3.1	
Clock	VSwing for Clock+	275.2261	mV	168.5186 ps	5.94 Gbps	Pass	75.2261 & 324.7739	200	600	
Clock	VSwing for Clock-	270.0000	mV	168.5186 ps	5.94 Gbps	Pass	70.0000 & 330.0000	200	600	
D0	TMDS VLow for D0+	2.4158	V	168.5186 ps	5.94 Gbps	Pass	0.1158 & 0.4842	2.3	2.9	
D0	TMDS VLow for D0-	2.4006	V	168.5186 ps	5.94 Gbps	Pass	0.1006 & 0.4994	2.3	2.9	
D0	VSwing for D0+	475.0010	mV	168.5186 ps	5.94 Gbps	Pass	75.0010 & 124.9990	400	600	
D0	VSwing for D0-	486.6181	mV	168.5186 ps	5.94 Gbps	Pass	86.6181 & 113.3819	400	600	
D1	TMDS VLow for D1+	2.4001	V	168.5186 ps	5.94 Gbps	Pass	0.1001 & 0.4999	2.3	2.9	
D1	TMDS VLow for D1-	2.3895	V	168.5186 ps	5.94 Gbps	Pass	0.0895 & 0.5105	2.3	2.9	
D1	VSwing for D1+	463.6462	mV	168.5186 ps	5.94 Gbps	Pass	63.6462 & 136.3538	400	600	
D1	VSwing for D1-	485.6400	mV	168.5186 ps	5.94 Gbps	Pass	85.6400 & 114.3600	400	600	
D2	TMDS VLow for D2+	2.3925	V	168.5186 ps	5.94 Gbps	Pass	0.0925 & 0.5075	2.3	2.9	
D2	TMDS VLow for D2-	2.3973	V	168.5186 ps	5.94 Gbps	Pass	0.0973 & 0.5027	2.3	2.9	

D2	VSwing for D2+	483.4348	mV	168.5186 ps	5.94 Gbps	Pass	83.4348 & 116.5652	400	600	
D2	VSwing for D2-	479.5218	mV	168.5186 ps	5.94 Gbps	Pass	79.5218 & 120.4782	400	600	
COMMENTS										

[Back to Summary Table](#)