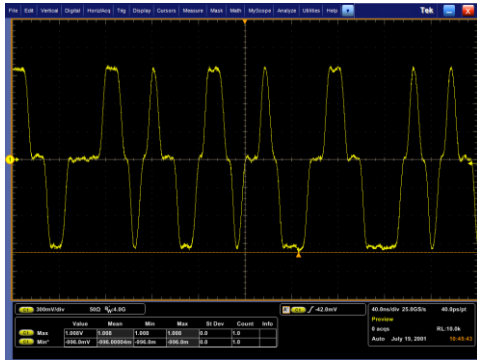
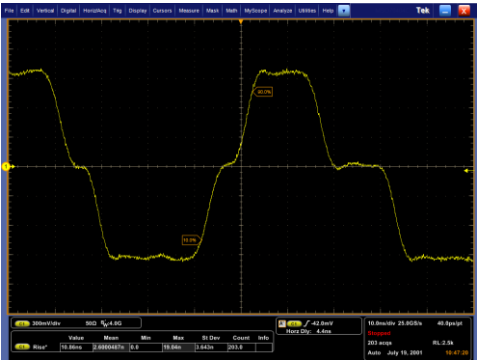


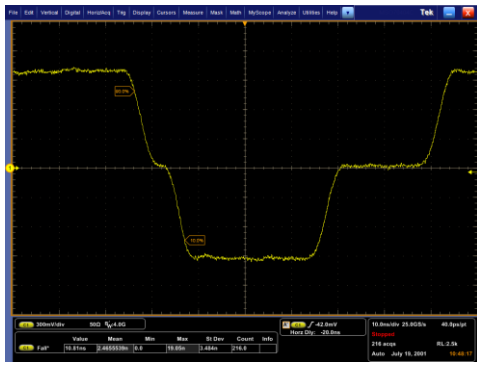
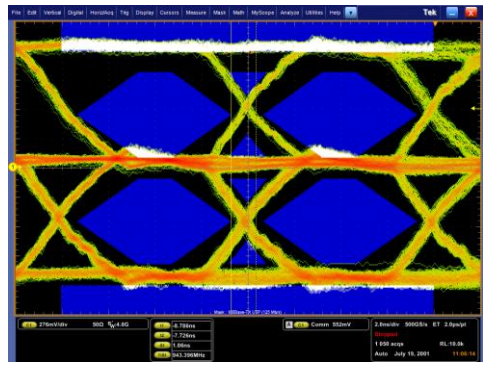
## 1. 信号质量测试

测试条件 Test conditions	实验室环境(Lab environment): 25°C温度, 55%湿度(25 °C temperature, 55% humidity) 示波器型号: (Oscilloscope model): Oscilloscope MSO70404C (4GHz 25GS/S) 探头型号 Probe model: P7504
-------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### 1.1. 差分信号质量测试(1.1.Differential signal quality test)

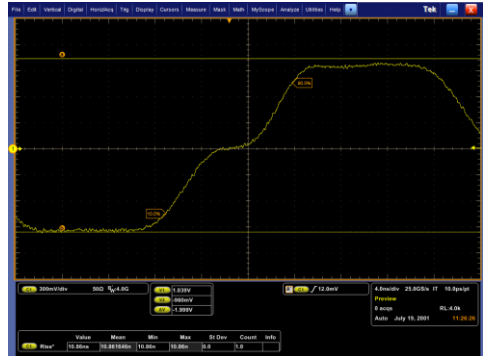
- 1、 电网口差分发送数据信号 (DP83822IFRHBR-U58A-PHYB\_TXDN/P) 质量测试
- 1、 Differential transmission data signal (DP83822IFRHBR-U58A-PHYB\_TXDN/P) quality test

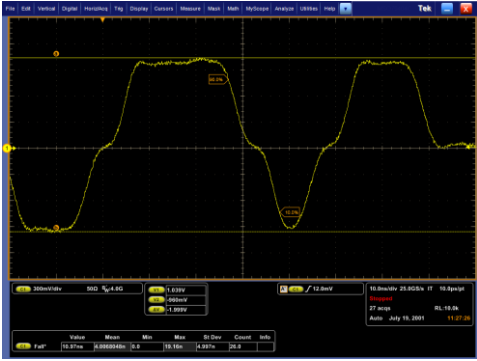
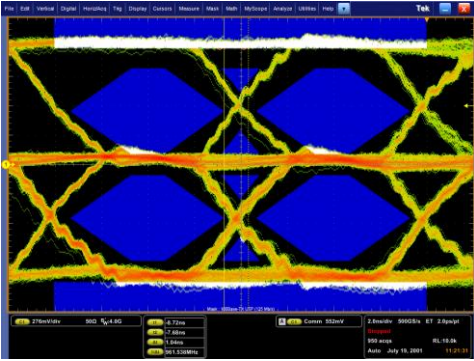
测试点(Test Point)	R1401;R1402				
测试项目 Test Items	测试指标 Test Metrics			测试结果 Test results	测试结论 Test conclusion
	最小值 (Minimum)	典型值 (Typical)	最大值 (maximum)		
差分输入电压 Differential input signal amplitude	950mv		1050mv	1.008v	PASS
差分输入电压 Differential input signal amplitude	-1050mv		-950mv	-996mv	PASS
上升时间 (Rise time)	3ns		5ns	10.86ns	REJECT
下降时间 (Fall time)	3ns		5ns	10.81ns	REJECT
抖动(Jitter)			1.5ns	1.06ns	PASS
测试说明 Test instructions	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p>差分信号波形 Differential signal waveform</p>  </div> <div style="width: 45%;"> <p>上升时间(Rise time)</p>  </div> </div>				

	<p>下降时间(Fall time)</p> 	<p>眼图抖动(Eye diagram Jitter)</p> 
<p>测试结论 Test conclusion</p>	<p>REJECT</p>	

2、 电网口差分发送数据信号 (DP83822IFRHBR-U58A-PHYB\_RXD\_P/N) 质量测试

2、 Differential transmission data signal (DP83822IFRHBR-U58A-PHYB\_RXD\_P/N) quality test

<p>测试点</p>	<p>R1399;R1400</p>							
<p>测试项目 Test conditions</p>	<p>测试指标 Test Metrics</p> <table border="1"> <tr> <th>最小值 (Minimum)</th> <th>典型值 (Typical)</th> <th>最大值 (maximum)</th> </tr> </table>			最小值 (Minimum)	典型值 (Typical)	最大值 (maximum)	<p>测试结果 Test results</p>	<p>测试结论 Test conclusion</p>
最小值 (Minimum)	典型值 (Typical)	最大值 (maximum)						
<p>差分输入电压 Differential input signal amplitude</p>	<p>950mv</p>		<p>1050mv</p>	<p>1.044V</p>	<p>PASS</p>			
<p>差分输入电压 Differential input signal amplitude</p>	<p>-1050mv</p>		<p>-950mv</p>	<p>-972mv</p>	<p>PASS</p>			
<p>上升时间 (Rise time)</p>	<p>3ns</p>		<p>5ns</p>	<p>10.86ns</p>	<p>REJECT</p>			
<p>下降时间 (Fall time)</p>	<p>3ns</p>		<p>5ns</p>	<p>10.97ns</p>	<p>REJECT</p>			
<p>抖动(Jitter)</p>			<p>1.5ns</p>	<p>1.04ns</p>	<p>PASS</p>			
<p>测试说明 Test instructions</p>								
	<p>差分信号波形 Differential signal waveform</p> 	<p>上升时间(Rise time)</p> 						

	<p>差分信号波形 Differential signal waveform</p> 	<p>上升时间(Rise time)</p> 
<p>测试结论 Test conclusion</p>	<p>REJECT</p>	