

# **HDMI Cable Assembly** **Test Report**

## .Test Equipments Information

ID	Product and Serial Number	Description with series number	Manufacture
1	8753E(JP38160814)	S-parameter Network Analyzer	Agilent(HP)
2	TDS8000B(B010273)	Time Domain Reflector(TDR)	Tektronix

## .Device Under Test(DUT) Information

Length(m)	3	Tested Pairs	4	Pairs
Temperature	20	°C	Humidity	40
Batch Number		Bundle Number		%
Testing following	HDMI			
Comments				
Technician	Jessica Bian	Test Result	Pass	

## .Tested Parameters List

.-Attenuation(Insertion Loss)	Pass
.-FEXT	Pass
.-Differential Mode Impedance	Pass
.-Mated Connector Impedance	Pass
.-Differential Mode Delay	Pass
.-Intra Pair Skew	Pass
.-Eye Diagram	Pass

## Summary Result

### Attenuation(Insertion Loss) summary result

Start	Stop	Limit	Pair1	Pair2	Pair3	Pair4
1	825	-8	-4.52	-4.46	-4.52	-4.19
825	2475	-21	-8.63	-9.5	-8.73	-8.37
2475	4125	-30	-12.26	-13.14	-12.08	-13
MHz	MHz	dB	Pass	Pass	Pass	Pass

### FEXT summary result

Start	Stop	Limit	P1 to P2	P1 to P3	P1 to P4	P2 to P3	P2 to P4	P3 to P4
1	5000	-26	-33.58	-33.42	-40.76	-29.23	-32.4	-27.78
MHz	MHz	dB	Pass	Pass	Pass	Pass	Pass	Pass

### Differential Mode Impedance summary result

Pair Num	Result	Spc Max	Spc Min	Max value	Min Value	△Value	Avg	Unit
1	Pass	110	90	100.25	98.58	1.67	99.41	Ohms
2	Pass	110	90	97.35	95.96	1.39	96.66	Ohms
3	Pass	110	90	100.56	99.63	0.93	100.09	Ohms
4	Pass	110	90	99.29	98.09	1.20	98.69	Ohms

### Mated Connector Impedance summary result

Pair Num	Result	Spc Max	Spc Min	Max value	Min Value	△Value	Avg	Unit
1	Pass	115	85	101.21	96.06	5.15	98.64	Ohms
2	Pass	115	85	100.21	96.21	4.00	98.21	Ohms
3	Pass	115	85	102.75	93.73	9.02	98.24	Ohms
4	Pass	115	85	102.68	98.48	4.20	100.58	Ohms

### Differential Mode Delay summary result

Pair Num	Result	Spc Max	Value	Unit
1	Pass	5.05	4.3844	ns/m
2	Pass	5.05	4.388	ns/m
3	Pass	5.05	4.3744	ns/m
4	Pass	5.05	4.3672	ns/m

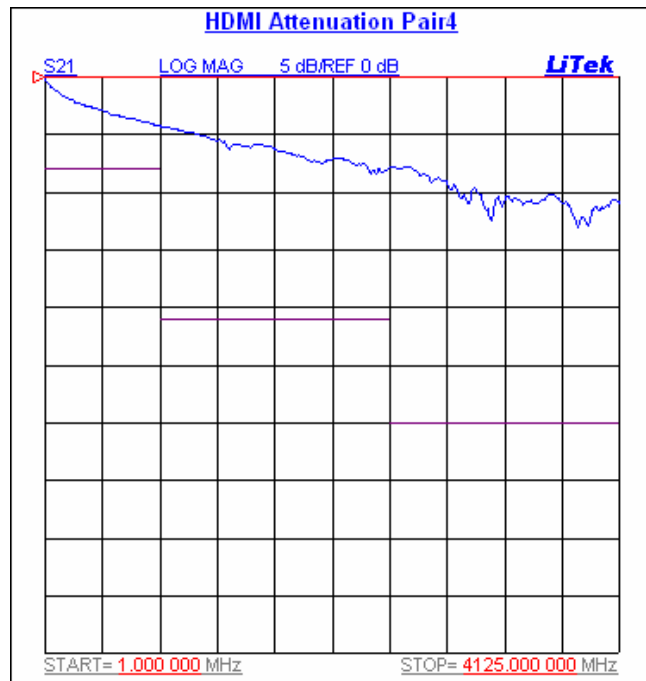
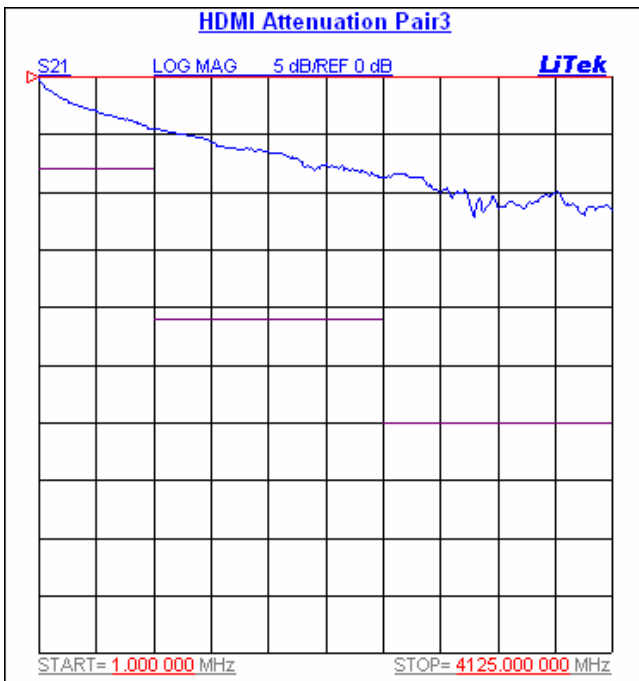
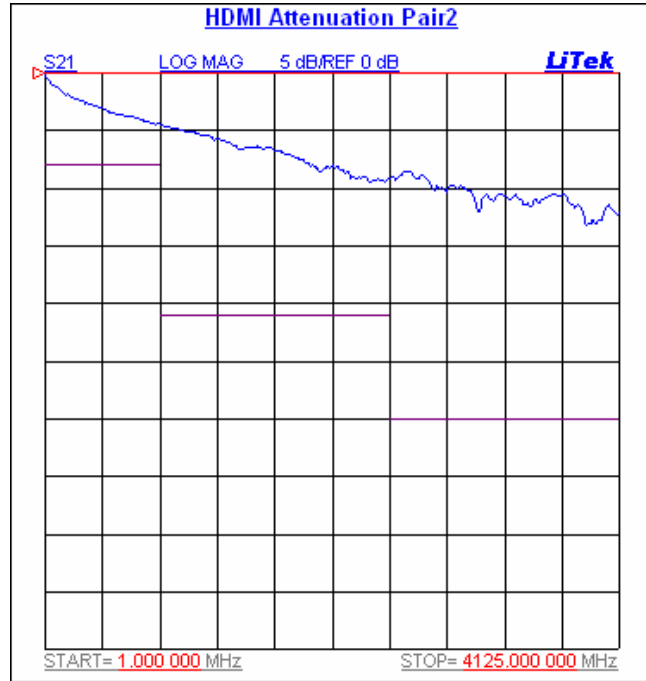
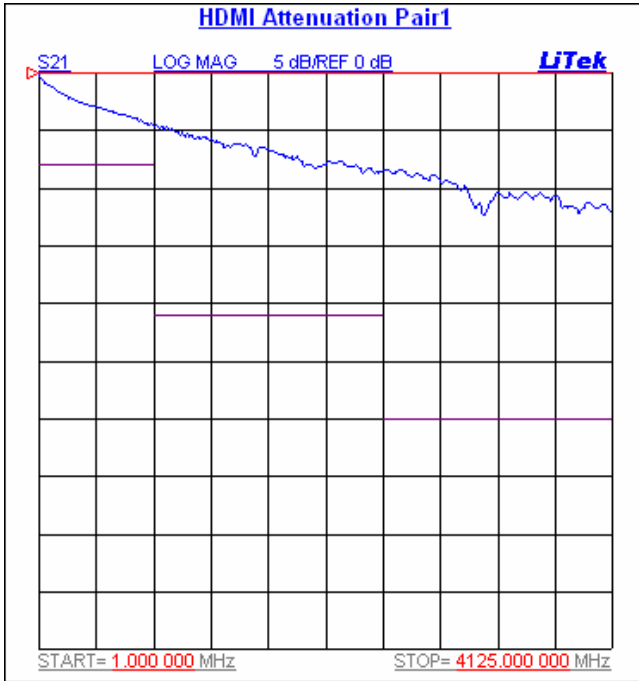
### Intra Pair Skew summary result

Pair Num	Result	Spc Max	Value	Unit
1	Pass	151	25.91	ps
2	Pass	151	18.72	ps
3	Pass	151	-35.72	ps
4	Pass	151	-33.34	ps

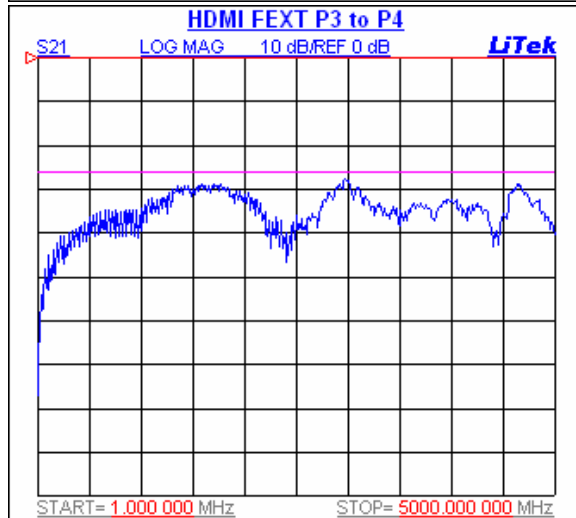
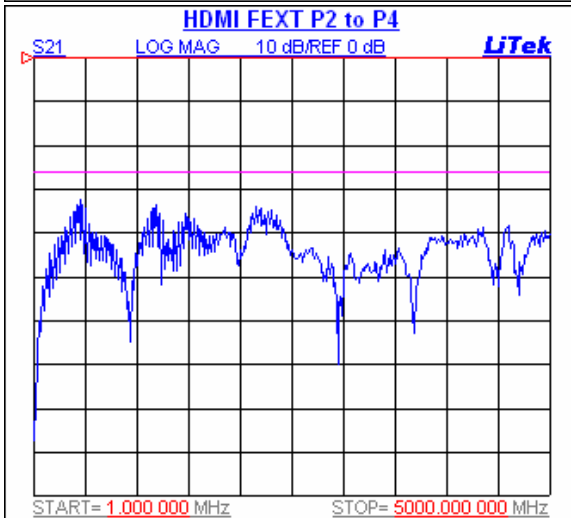
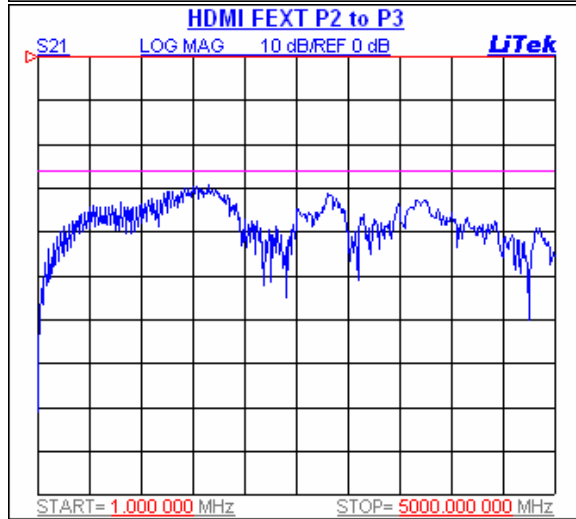
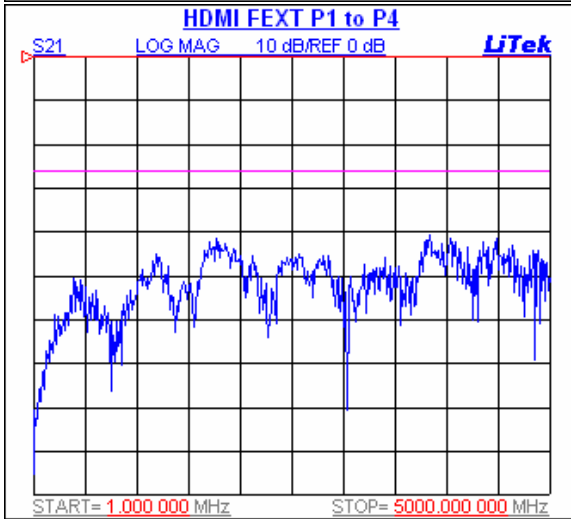
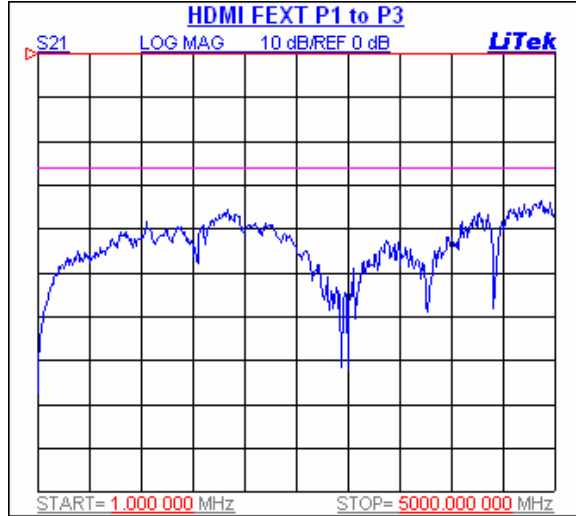
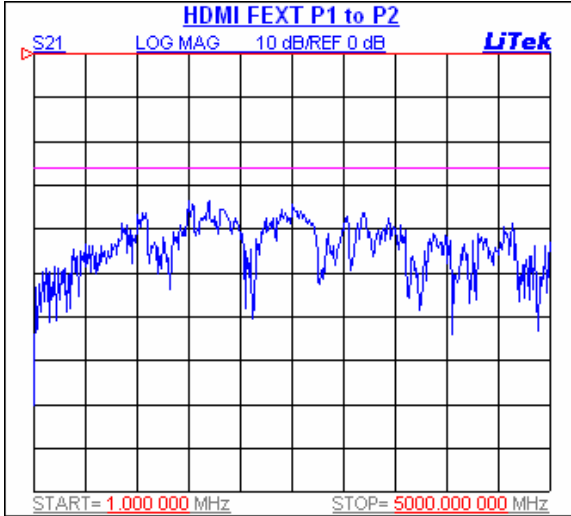
### Eye Diagram summary result

Pair Num	Result
Pair1	Pass
Pair2	Pass
Pair3	Pass
Pair4	Pass

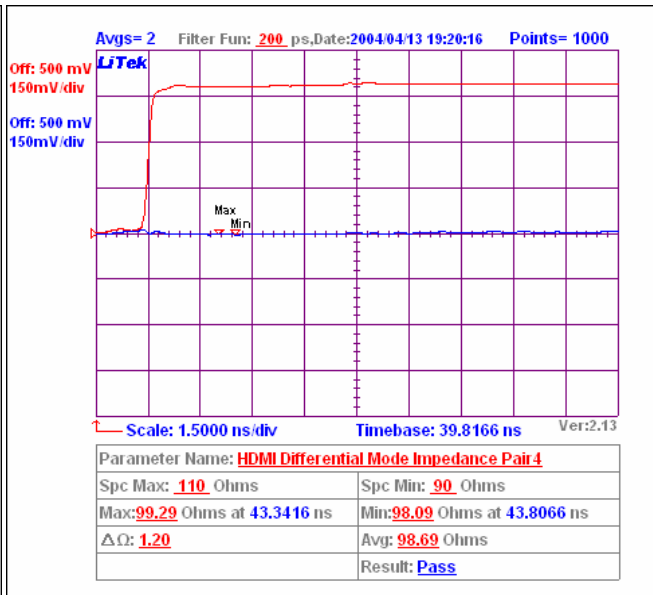
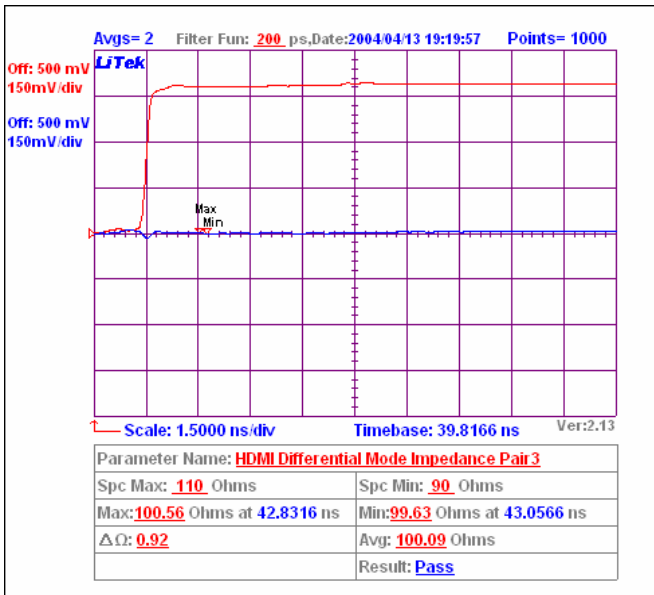
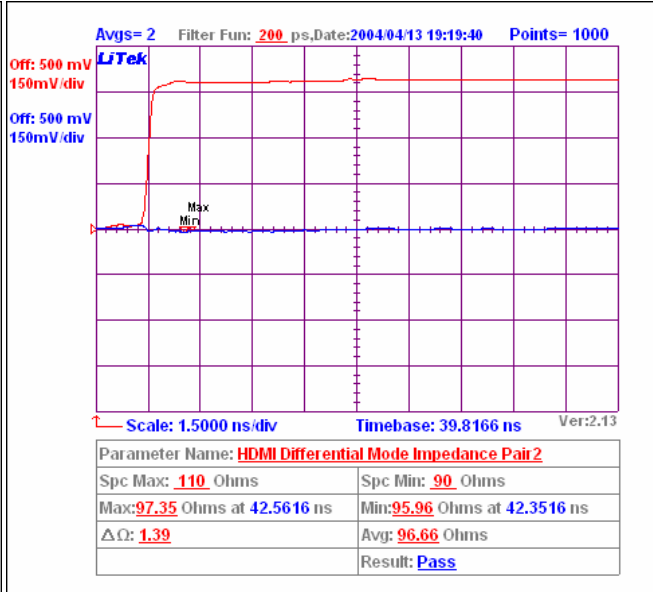
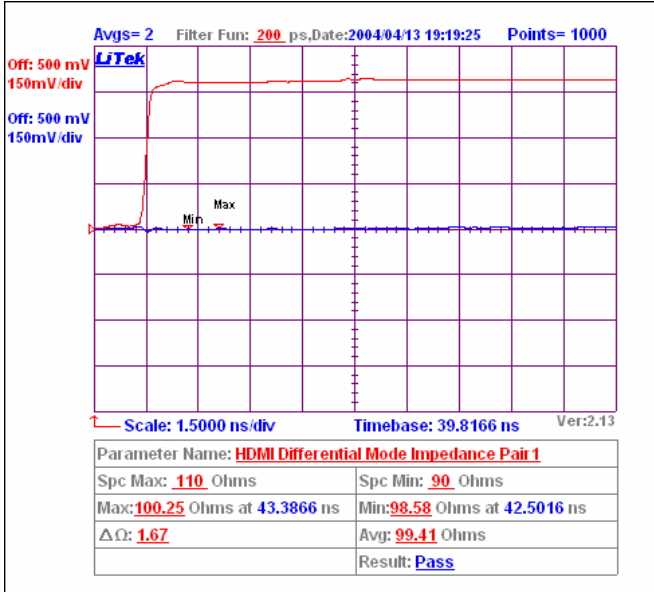
## Attenuation(Insertion Loss) Graphic result



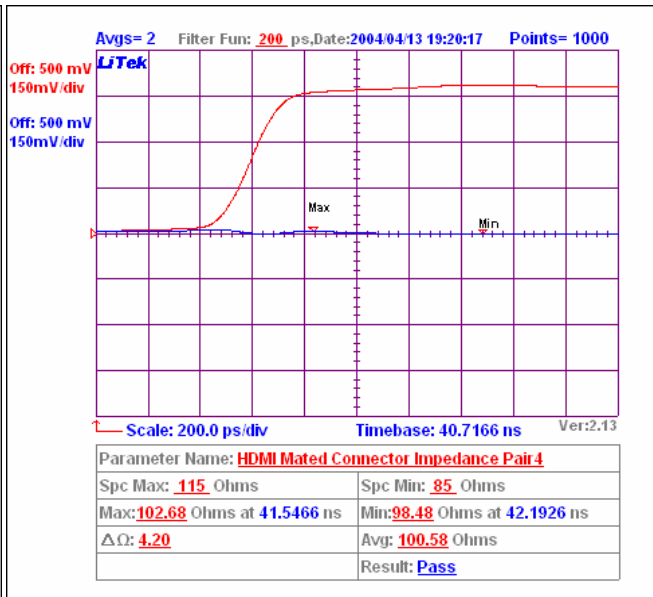
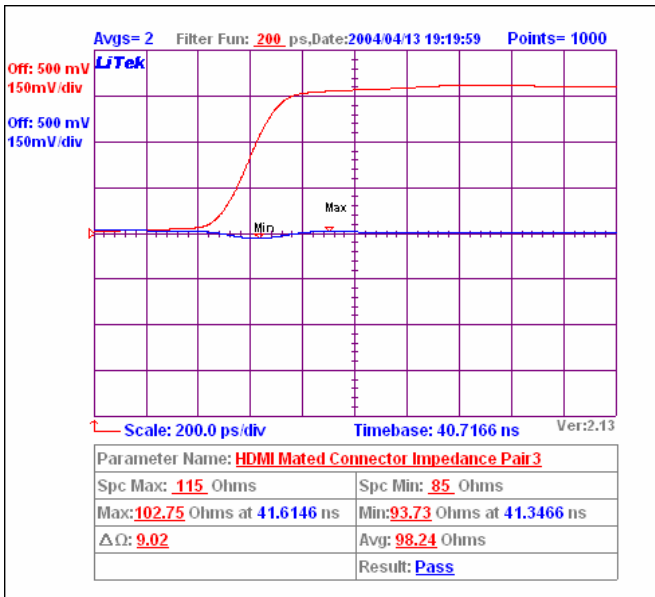
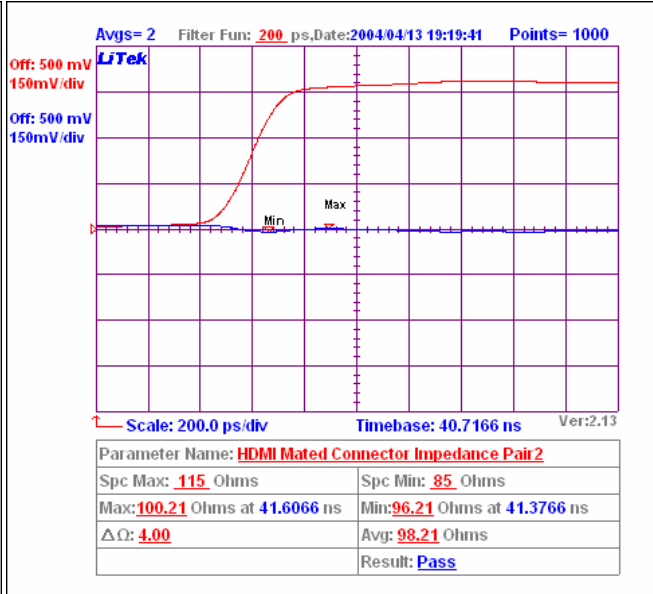
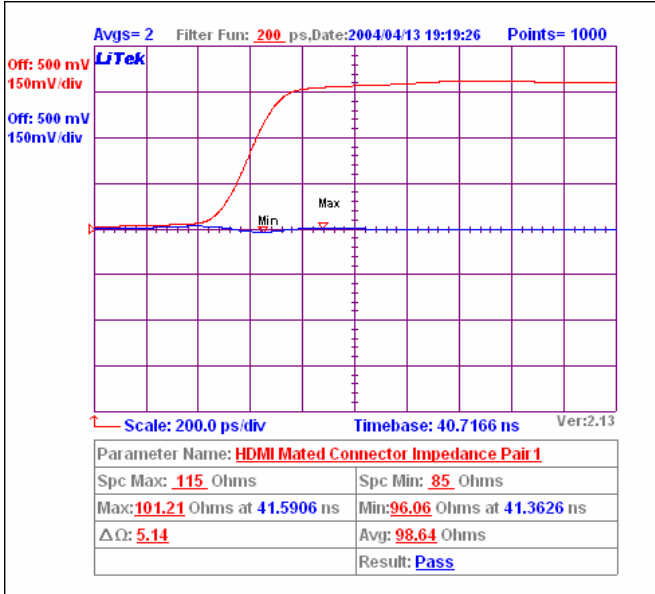
## FEXT Graphic result



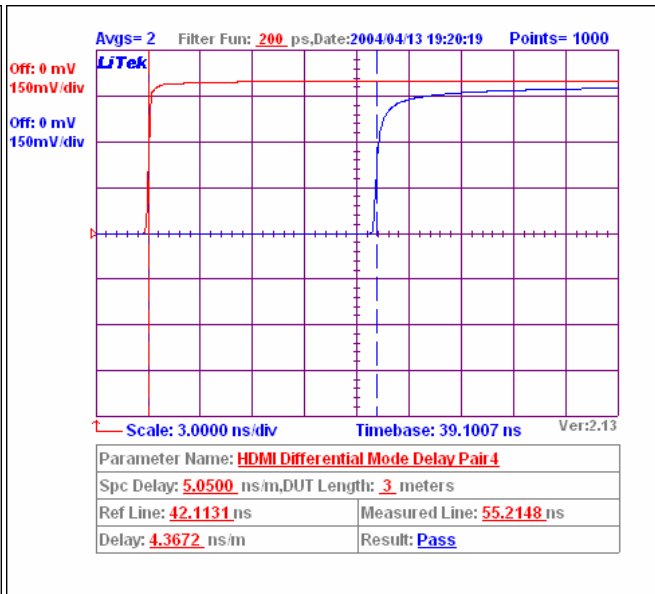
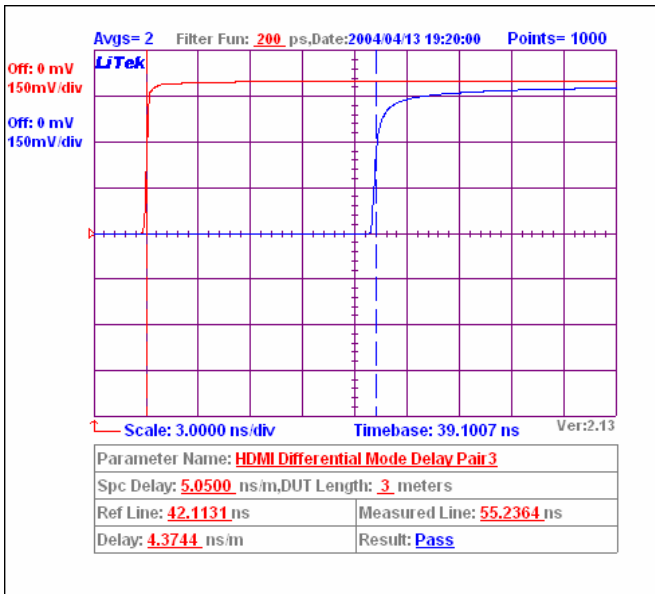
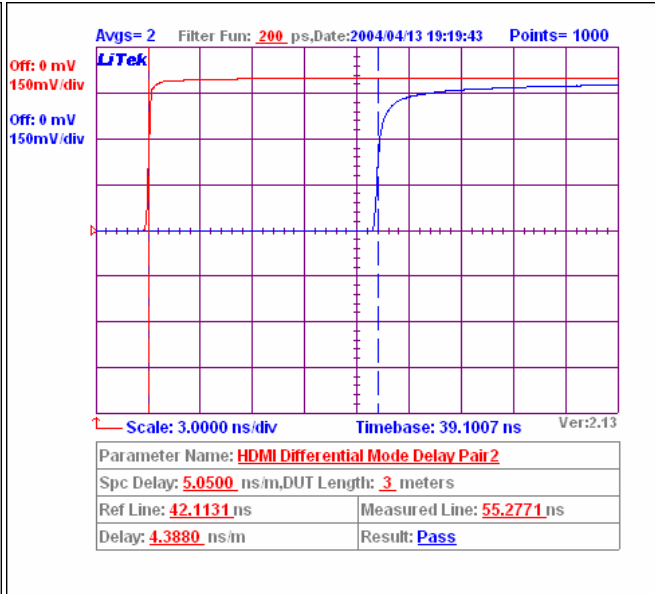
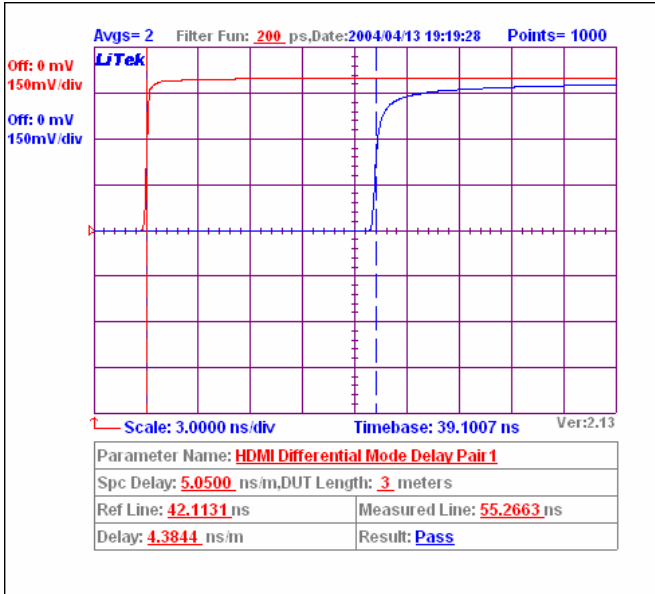
## Differential Mode Impedance Graphic result



## Mated Connector Impedance Graphic result



## Differential Mode Delay Graphic result



## Intra Pair Skew Graphic result

