



Test Report of HDMI cable

30AWG * 3M

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2009/5/21

.Test Equipments Information

ID	Product and Serial Number	Description with series number	Manufacture
1	E5071B()	S-parameter Network Analyzer	Agilent
2	DSA8200(B020709)	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	30AWG HDMI CABLE 3M			
Technician	System Manager	Test Result	Pass	

.Tested Parameters List

.-HDMI Cat2 TDR IL	Pass
.-HDMI Cat2 TDR FEXT	Pass
.-HDMI Cat2 Cable Absolute Impedance	Pass
.-HDMI Cat2 Transition Area Impedance	Pass
.-HDMI Cat2 Differential Delay	Pass
.-HDMI Cat2 Inter Pair Skew	Pass
.-HDMI Cat2 Intra Pair Skew	Pass

Summary Result

HDMI Cat2 TDR IL summary result.

Start	Stop	Lim From	Lim To	P1	P2	P3	P4
1	825	-5	-5	-4.65	-4.26	-4.48	-4.62
825	2475	-5	-12	-8.57	-8.56	-9.1	-9.77
2475	4125	-12	-20	-12.56	-11.03	-13.37	-15.29
4125	5100	-20	-25	-14.76	-13.14	-15.63	-18.63
MHz	MHz	dB	dB	Pass	Pass	Pass	Pass

HDMI Cat2 TDR FEXT summary result.

Start	Stop	Lim From	Lim To	P1-P2	P1-P3	P1-P4	P2-P3	P2-P4	P3-P4
1	5000	-20	-20	-44.75	-44.27	-45.54	-42.23	-43.54	-43.42
MHz	MHz	dB	dB	Pass	Pass	Pass	Pass	Pass	Pass

HDMI Cat2 Cable Absolute Impedance summary result @ 200 ps, (Low:10 %, High:90 %)

Pair Num	Result	Spc Max	Spc Min	Max value	Min Value	△Value	Avg	Unit
P1	Pass	110	90	105.39	104.07	1.32	104.73	Ohms
P2	Pass	110	90	106.78	106.1	0.68	106.44	Ohms
P3	Pass	110	90	103.37	102.27	1.10	102.82	Ohms
P4	Pass	110	90	105.23	104.28	0.95	104.75	Ohms

HDMI Cat2 Transition Area Impedance summary result @ 200 ps, (Low:10 %, High:90 %)

Pair Num	Result	Spc Max	Spc Min	Max value	Min Value	△Value	Avg	Unit
P1	Pass	125	75	104.83	96.38	8.45	100.6	Ohms
P2	Pass	125	75	106.65	94.34	12.31	100.5	Ohms
P3	Pass	125	75	102.46	91.41	11.05	96.93	Ohms
P4	Pass	125	75	104.48	96.02	8.46	100.25	Ohms

HDMI Cat2 Differential Delay summary result @ 200 ps, (Low:10 %, High:90 %)

Pair Num	Result	Spc Max	Value	Unit
P1	Pass	5.05	4.6883	ns/m
P2	Pass	5.05	4.667	ns/m
P3	Pass	5.05	4.6438	ns/m
P4	Pass	5.05	4.7092	ns/m

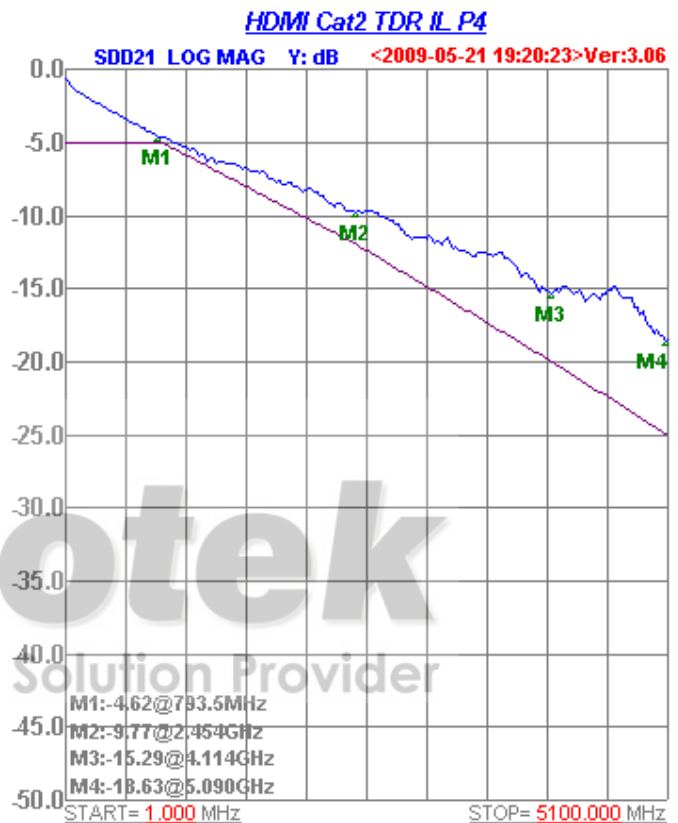
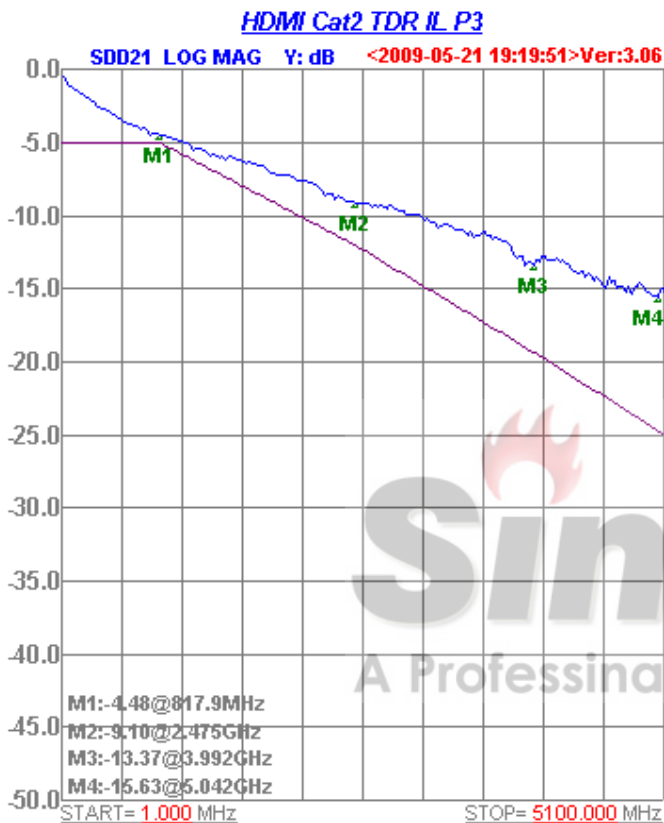
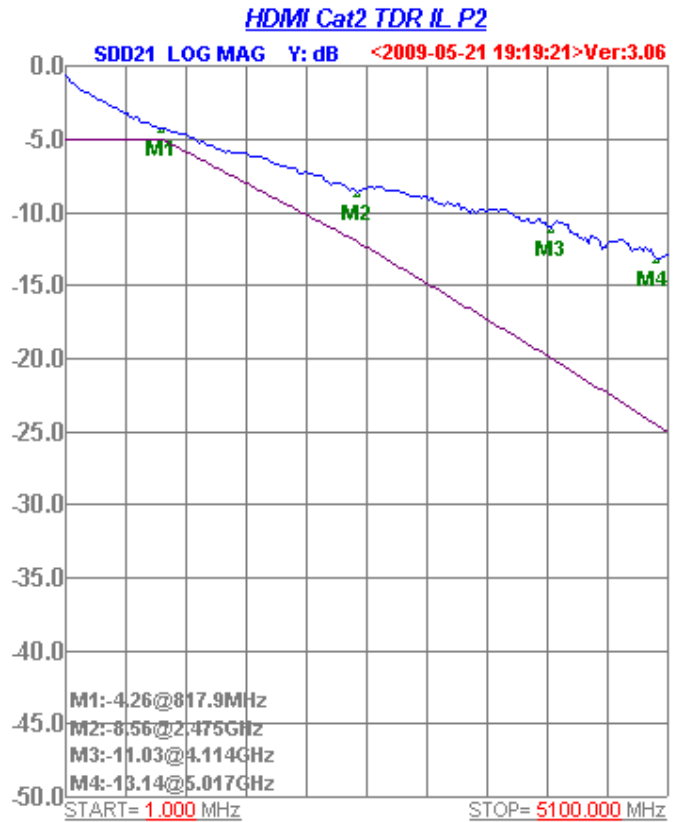
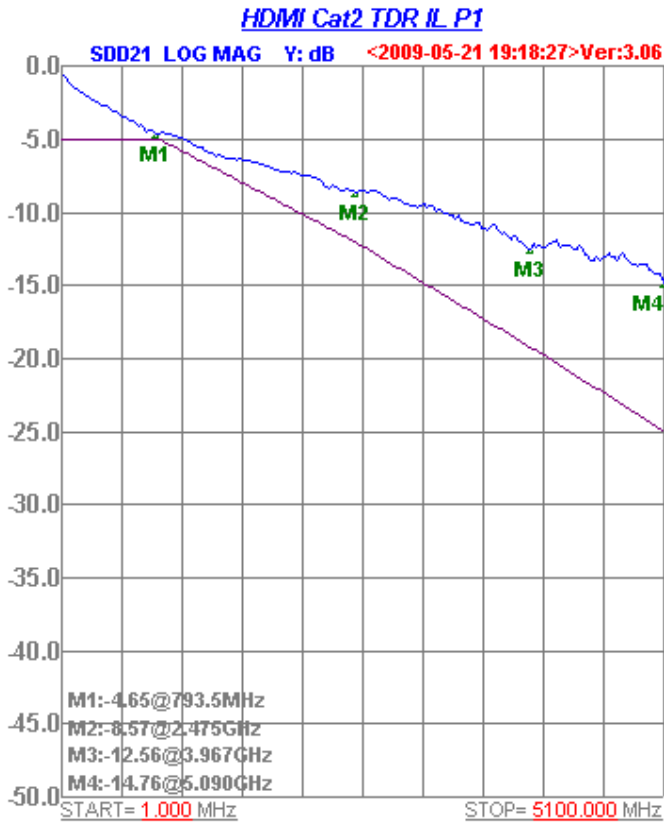
HDMI Cat2 Inter Pair Skew summary result @ 200 ps, (Low:10 %, High:90 %)

Pair Num	Result	Spc Max	Value	Unit
All	Pass	1780	193.03	ps

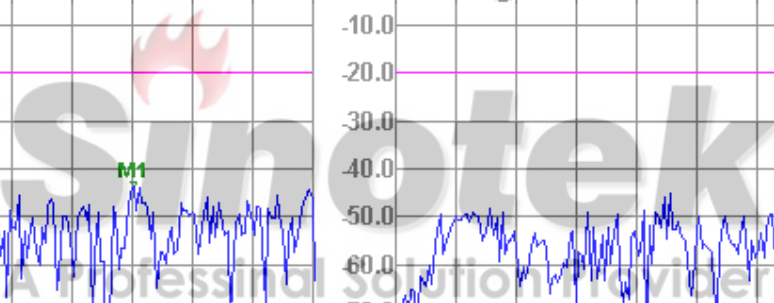
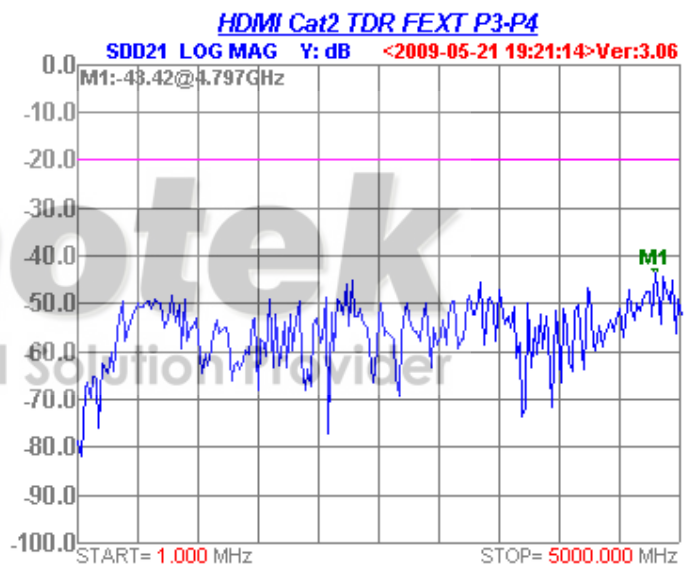
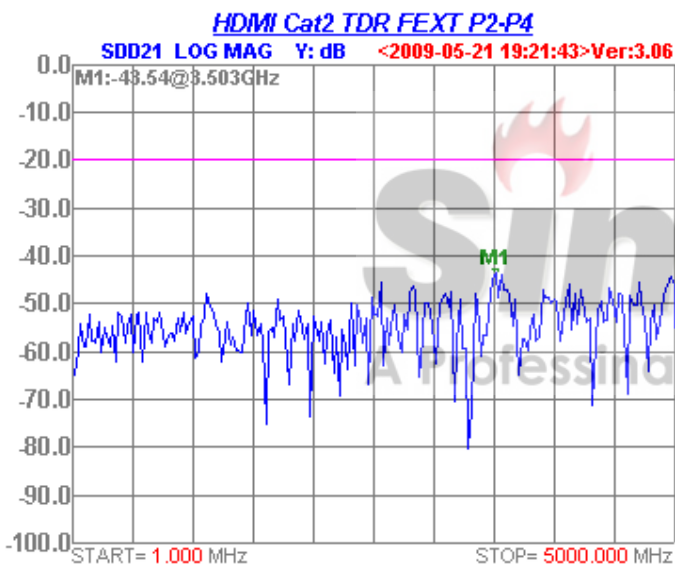
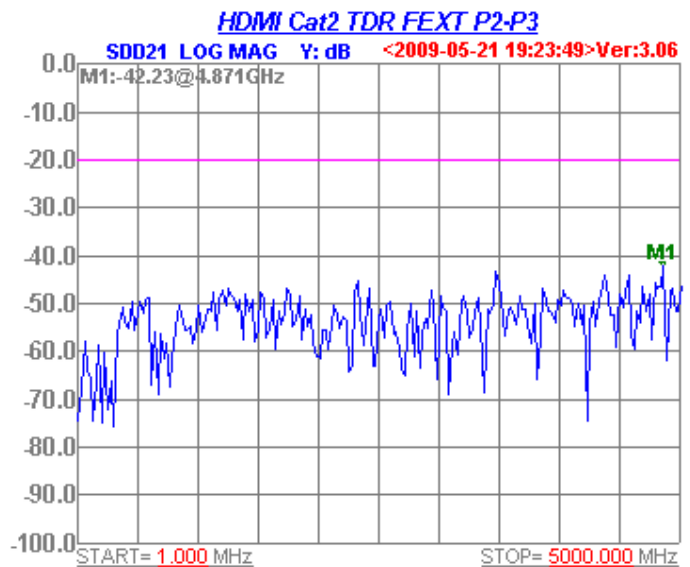
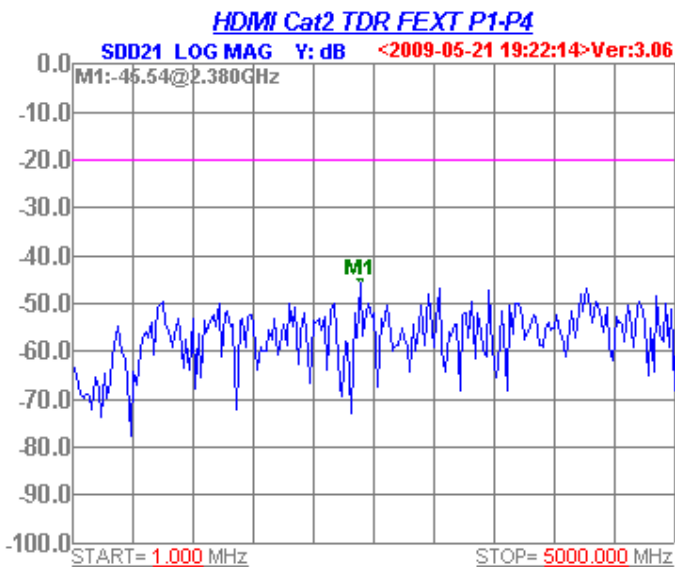
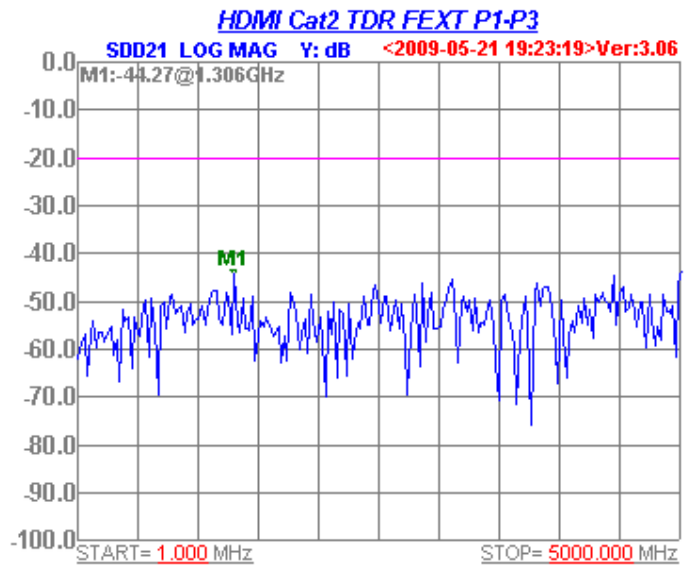
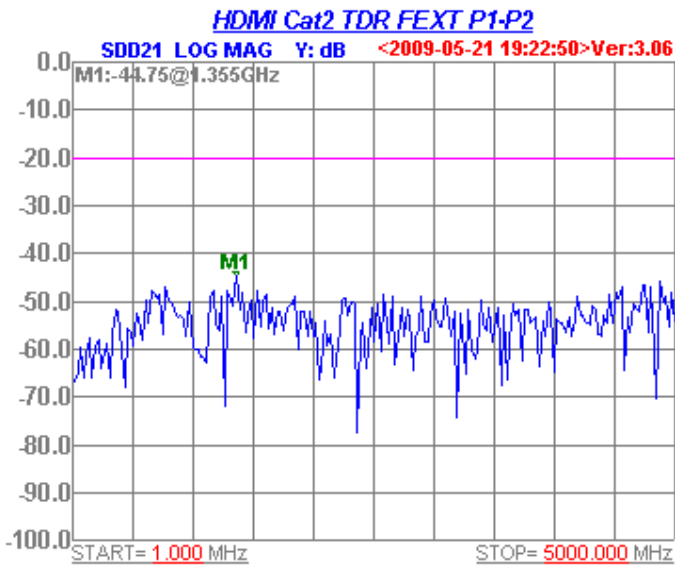
HDMI Cat2 Intra Pair Skew summary result @ 200 ps, (Low:10 %, High:90 %)

Pair Num	Result	Spc Max	Value	Unit
P1	Pass	112	-16.27	ps
P2	Pass	112	23.67	ps
P3	Pass	112	-47.73	ps
P4	Pass	112	69.37	ps

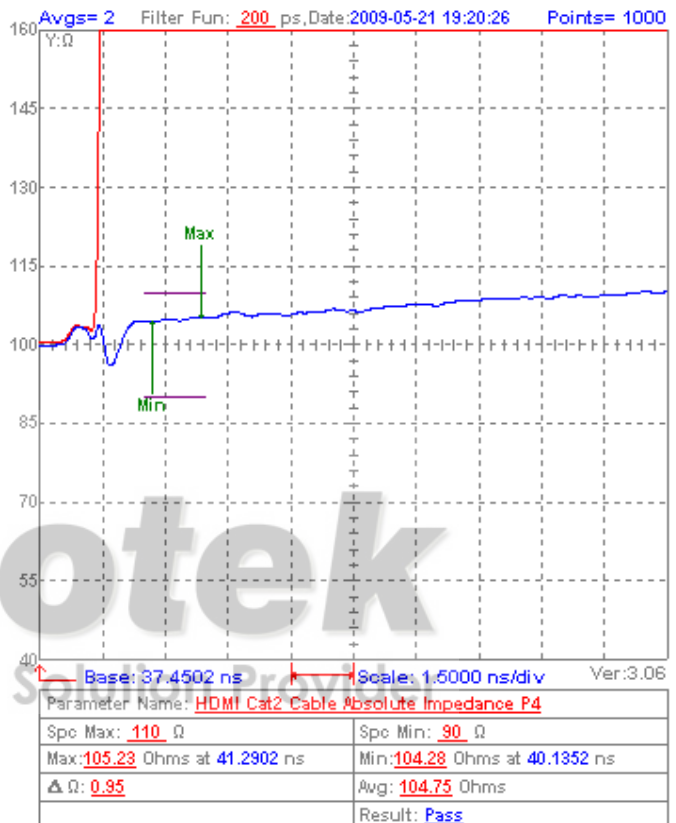
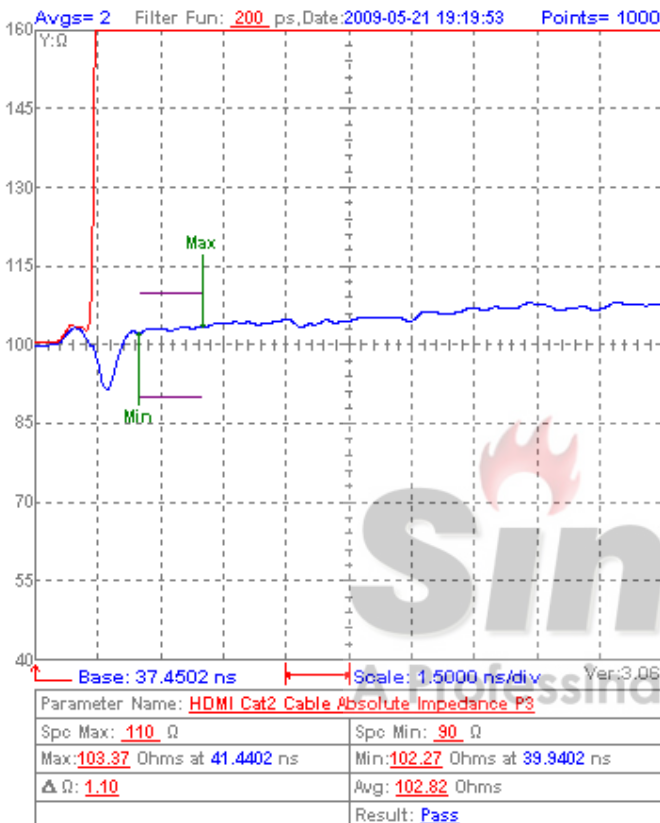
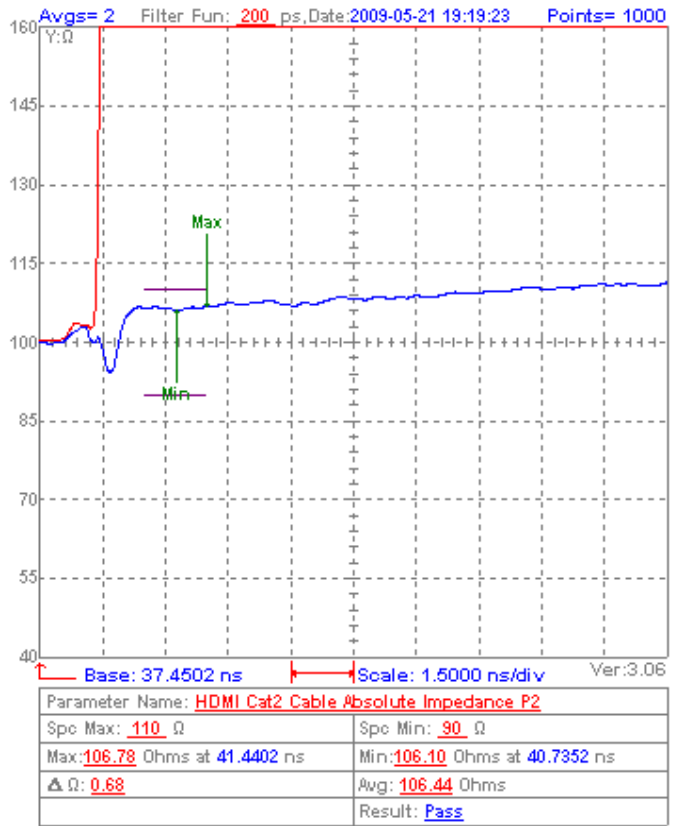
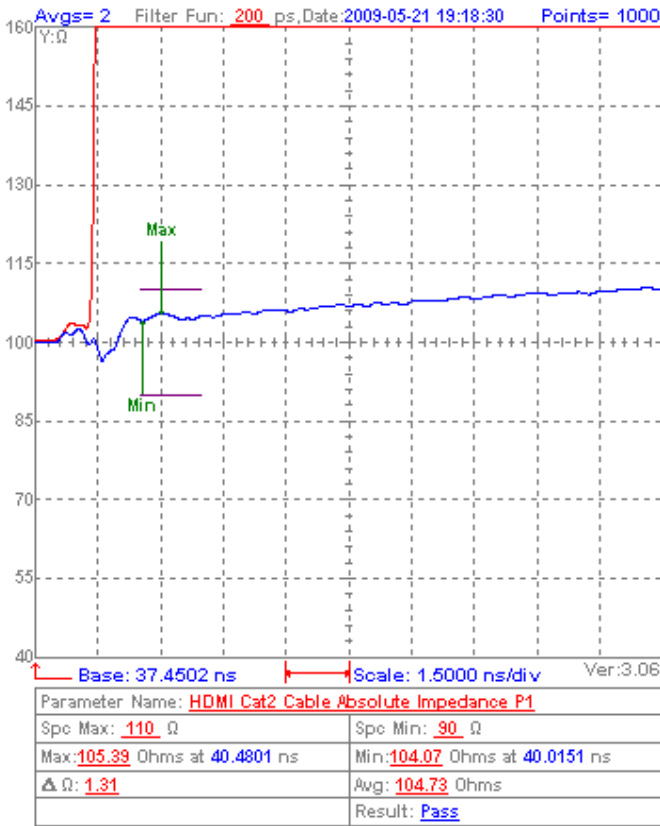
HDMI Cat2 TDR IL Graphic result



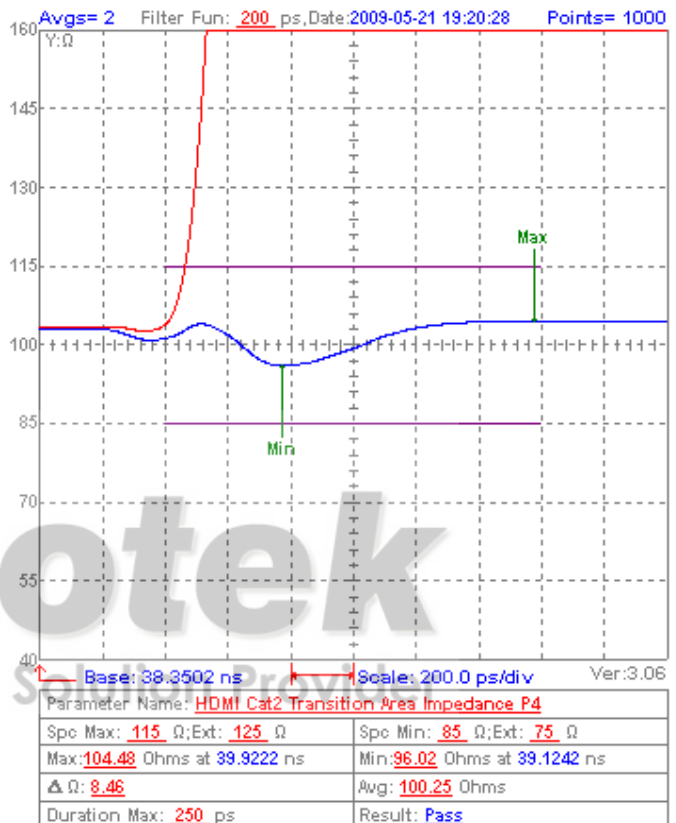
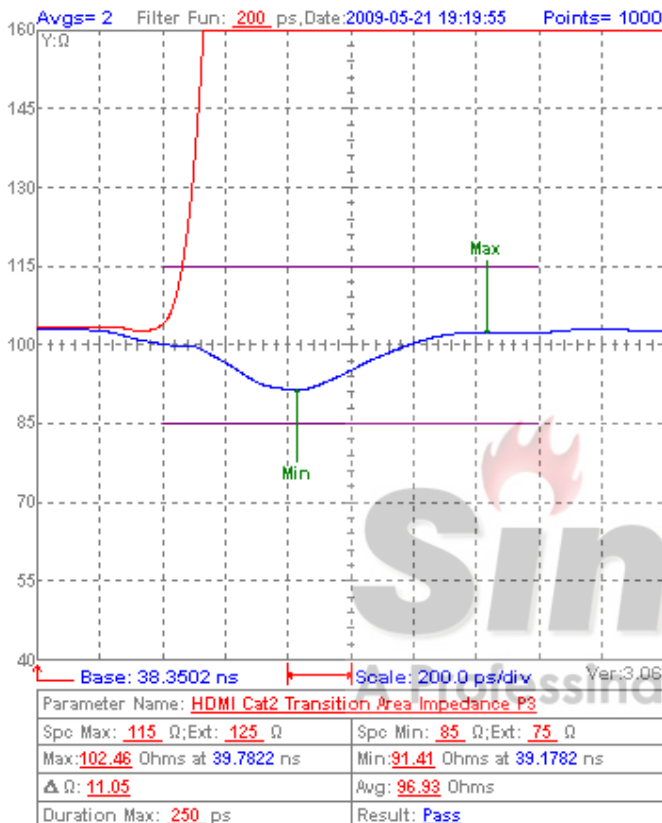
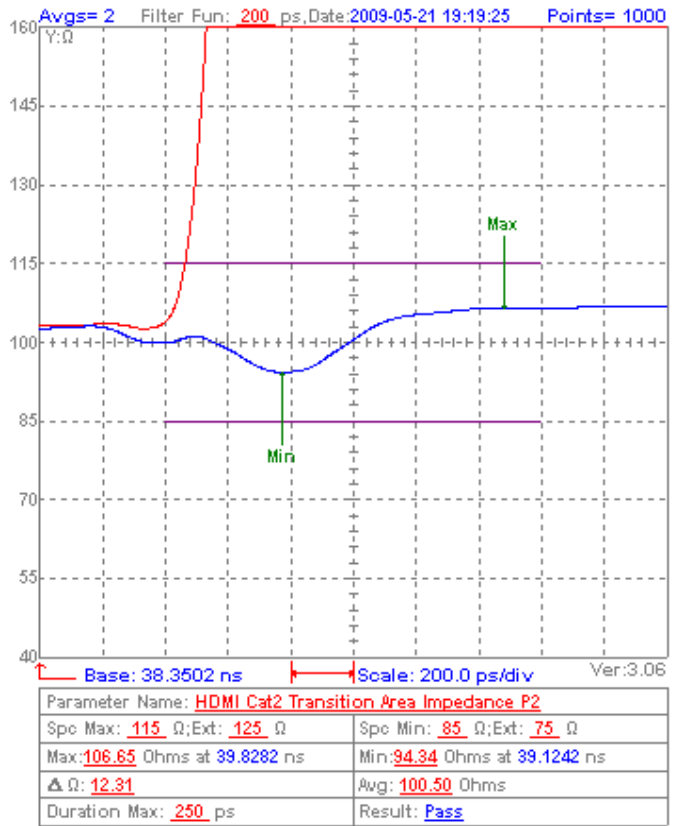
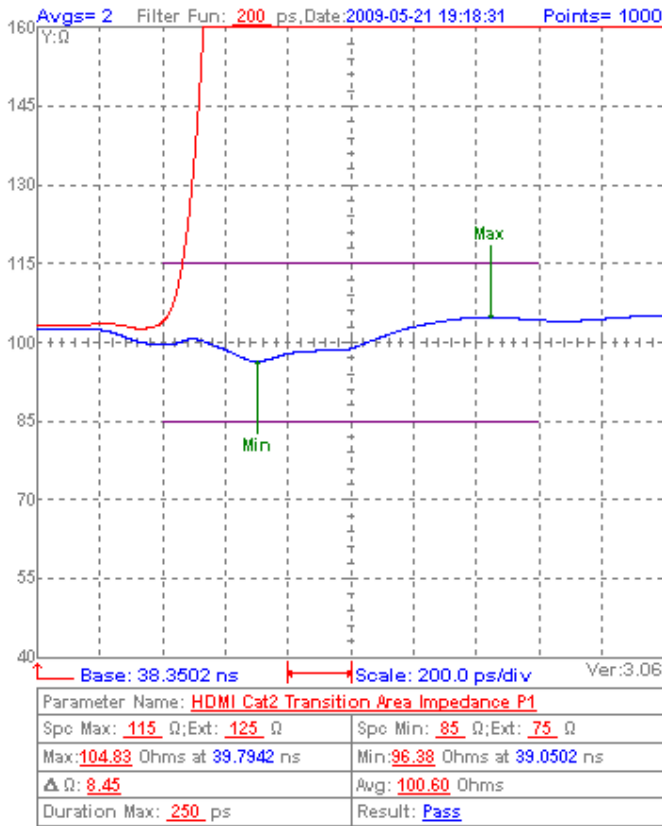
HDMI Cat2 TDR FEXT Graphic result



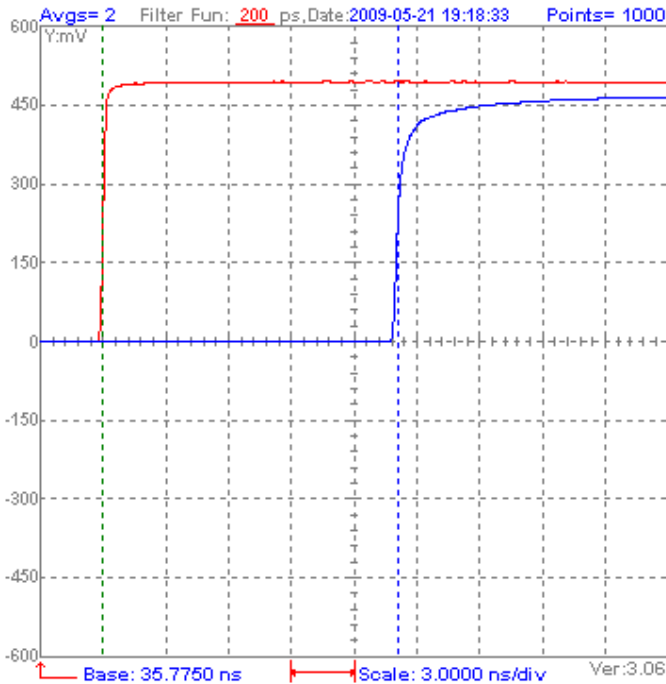
HDMI Cat2 Cable Absolute Impedance Graphic result



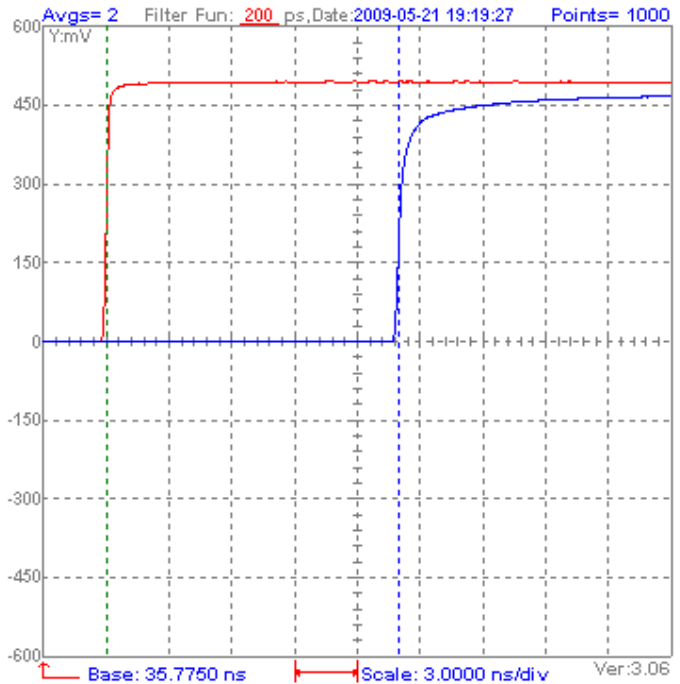
HDMI Cat2 Transition Area Impedance Graphic result



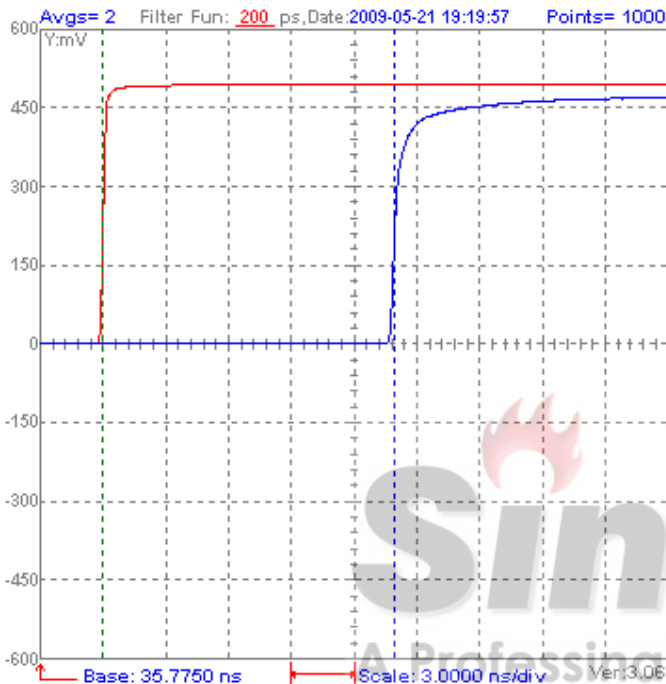
HDMI Cat2 Differential Delay Graphic result



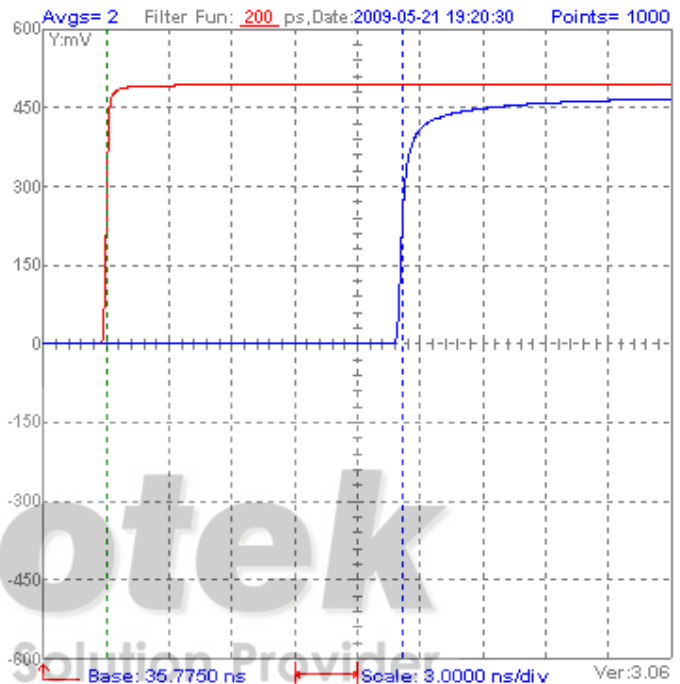
Parameter Name: HDMI Cat2 Differential Delay P1	
Spc Delay: 5.0500 ns/m, DUT Length: 3 meters	
Ref Line: 38.7842 ns	Measured Line: 52.8491 ns
Mode: TDT Method	Δ Value: 14.0649 ns
Delay: 4.6883 ns/m	Result: Pass



Parameter Name: HDMI Cat2 Differential Delay P2	
Spc Delay: 5.0500 ns/m, DUT Length: 3 meters	
Ref Line: 38.7842 ns	Measured Line: 52.7851 ns
Mode: TDT Method	Δ Value: 14.0009 ns
Delay: 4.6670 ns/m	Result: Pass



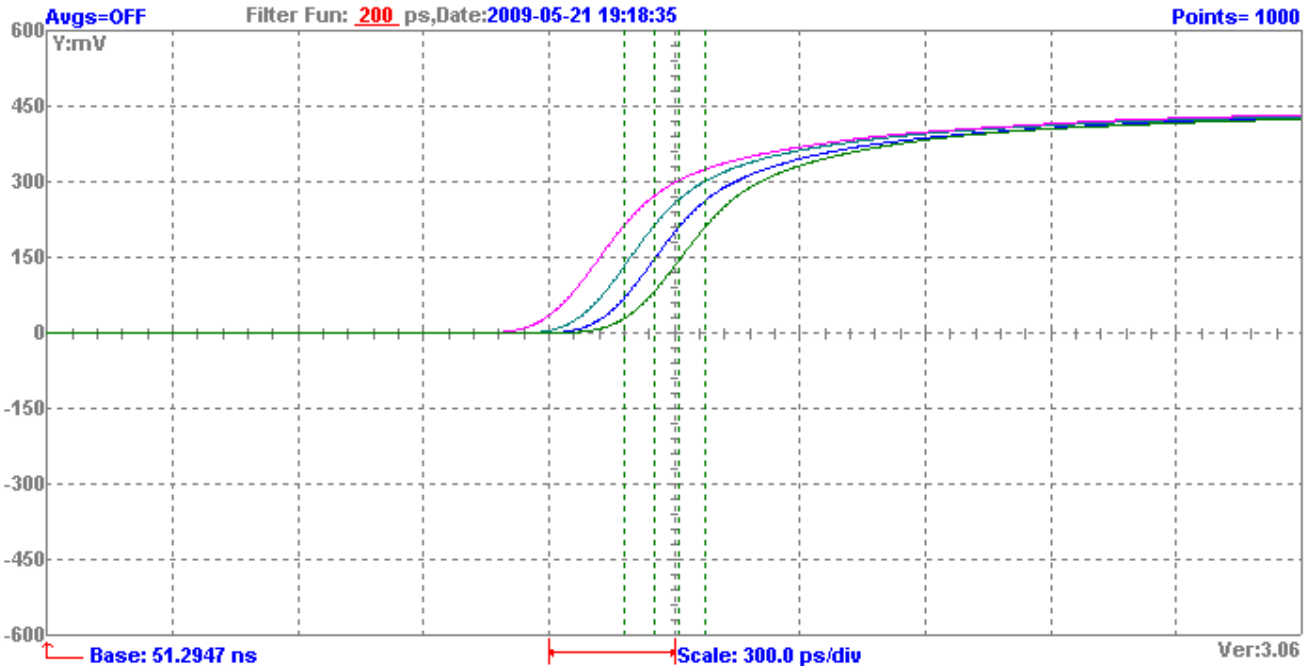
Parameter Name: HDMI Cat2 Differential Delay P3	
Spc Delay: 5.0500 ns/m, DUT Length: 3 meters	
Ref Line: 38.7842 ns	Measured Line: 52.7156 ns
Mode: TDT Method	Δ Value: 13.9314 ns
Delay: 4.6438 ns/m	Result: Pass



Parameter Name: HDMI Cat2 Differential Delay P4	
Spc Delay: 5.0500 ns/m, DUT Length: 3 meters	
Ref Line: 38.7842 ns	Measured Line: 52.9117 ns
Mode: TDT Method	Δ Value: 14.1275 ns
Delay: 4.7092 ns/m	Result: Pass

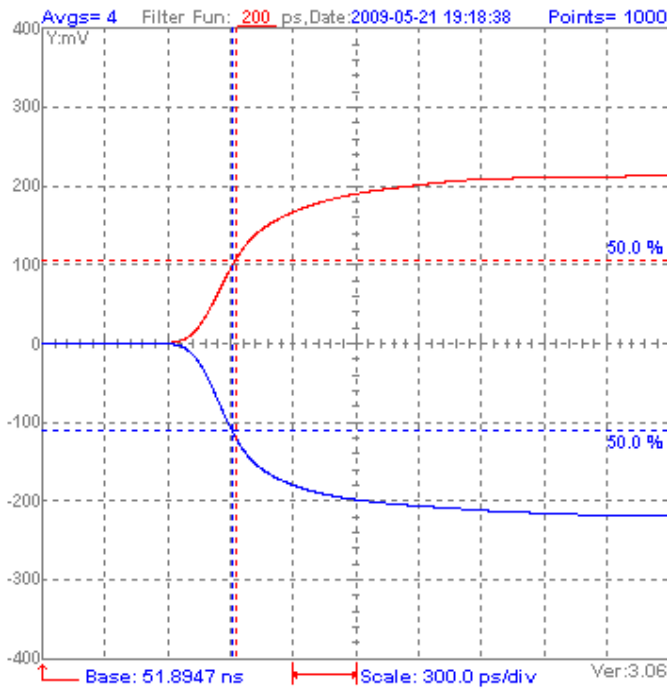


HDMI Cat2 Inter Pair Skew Graphic result

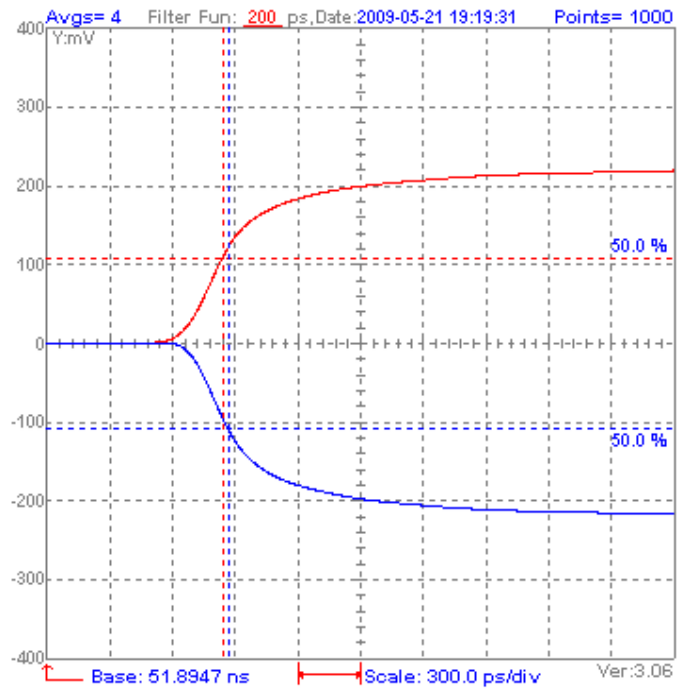


Parameter Name: HDMI Cat2 Inter Pair Skew	
Spc Inter Skew: 1780.00 ps, DUT Length: 3 meters	
Max Line: 52.8691 ns	Min Line: 52.6760 ns
Mode: TDT Method	Δ Value: 0.1930 ns
Skew: 193.03 ps	Result: Pass

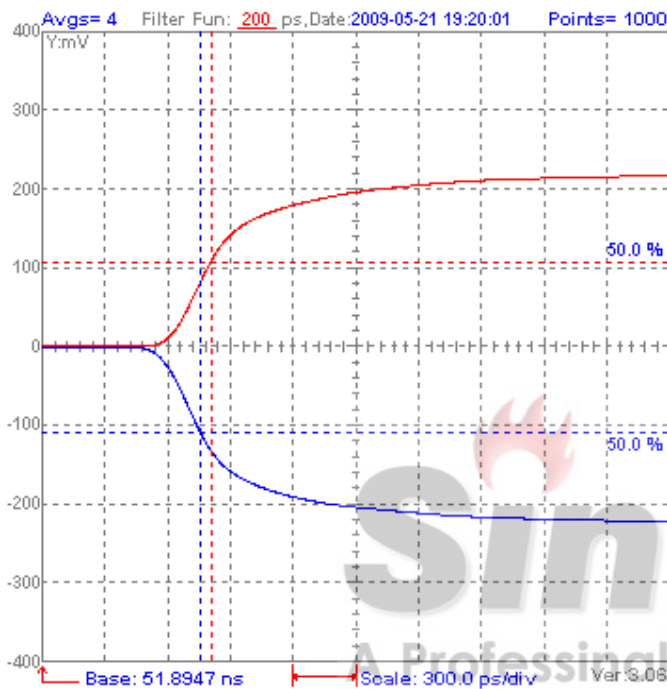
HDMI Cat2 Intra Pair Skew Graphic result



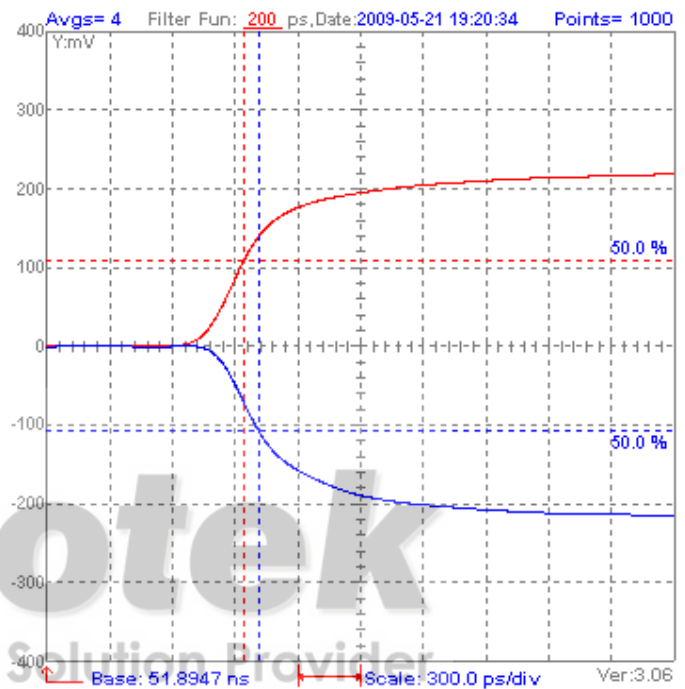
Parameter Name: HDMI Cat2 Intra Pair Skew P1	
Spc Skew: 112.0 ps, DUT Length: 3 meters	
Mode: TDT Method, Relative: 50%	
Δ Value: -16.27 ps	Skew: -16.3 ps
Result: Pass	



Parameter Name: HDMI Cat2 Intra Pair Skew P2	
Spc Skew: 112.0 ps, DUT Length: 3 meters	
Mode: TDT Method, Relative: 50%	
Δ Value: 23.67 ps	Skew: 23.7 ps
Result: Pass	



Parameter Name: HDMI Cat2 Intra Pair Skew P3	
Spc Skew: 112.0 ps, DUT Length: 3 meters	
Mode: TDT Method, Relative: 50%	
Δ Value: -47.73 ps	Skew: -47.7 ps
Result: Pass	



Parameter Name: HDMI Cat2 Intra Pair Skew P4	
Spc Skew: 112.0 ps, DUT Length: 3 meters	
Mode: TDT Method, Relative: 50%	
Δ Value: 69.37 ps	Skew: 69.4 ps
Result: Pass	



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The logo for Sinotek features the word "Sinotek" in a bold, italicized, sans-serif font. The letter "i" is replaced by a stylized red flame icon. Below the main name, the tagline "A Professional Solution Provider" is written in a smaller, plain sans-serif font.