



Test Equipment:			Humidity	70%	Temperature:	21°C
ID	Product Number		Description		Manufacturer	
1	TDS8200+80E04		TDR with TDR and TDT module		Tektronix	
2	N5230A 300k–20GHz		ENA		Agilent	
Device Under Test(DUT) Information:						
Vendor		ICT	Customer:			
Part number:		TF-1P21-0015	Date:		19-Aug-08	
DUT Description:		SATA Plug Gen 2.5 Test Fixture				

Test Report

Mated Connector Impedance @ 70 ps, (Low:20 %, High:80 %)

Conn no.	Pair Num	Result	Spec Max	Spec Min	Max value	Min Value	△Value	Unit	Image
SMA	1	Pass	105	95	102.48	99.72	2.76	Ohms	Click here
	2	Pass	105	95	101.92	101.02	0.90	Ohms	
SATA	1	Pass	110	90	101.53	92.49	9.04	Ohms	Click here
	2	Pass	110	90	103.71	93.91	9.80	Ohms	

Intra Pair Skew

Conn no.	Pair Num	Result	Spec Max	Value	Unit	Image
P1	1	Pass	2	1	ps	Click here
	2	Pass	2	1.4	ps	

Cross Talk

Conn no.	frequency	Result	Spec Max	Value	Unit	Image
P1	10M~6G	Pass	-36	-43.68	dB	Click here

Insertion Loss (-3dB)

Conn no.	Pair Num	Result	Spec Min	Value	Unit	Image
P1	1	Pass	7.5G	8.7G	Hz	Click here
	2	Pass	7.5G	9.2G	Hz	

Note: a. Pair Num is from Connector P1 unless specified.

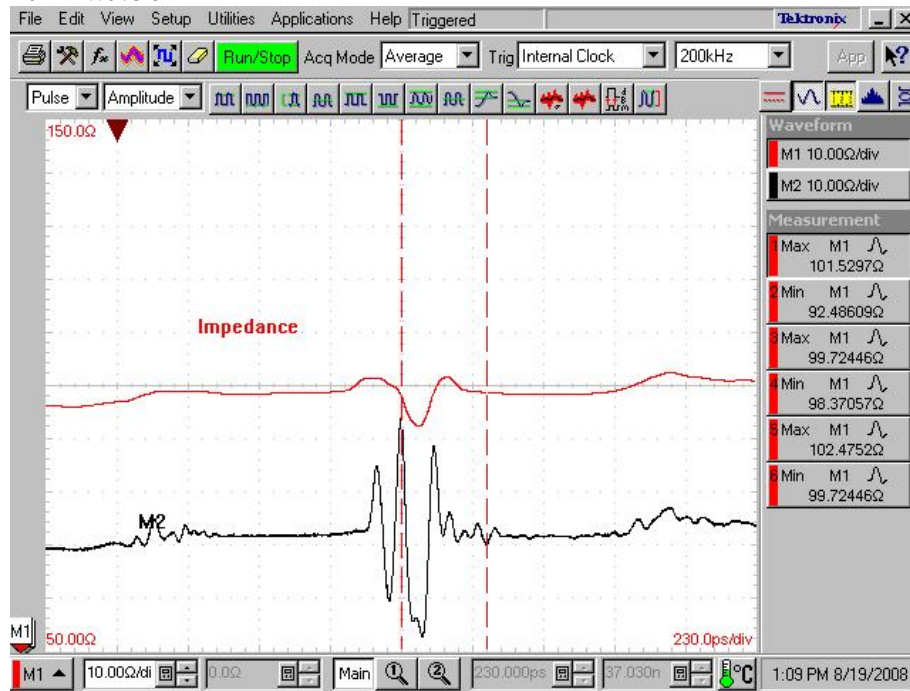
Approved:

Checked: Steven

Tested: Alan

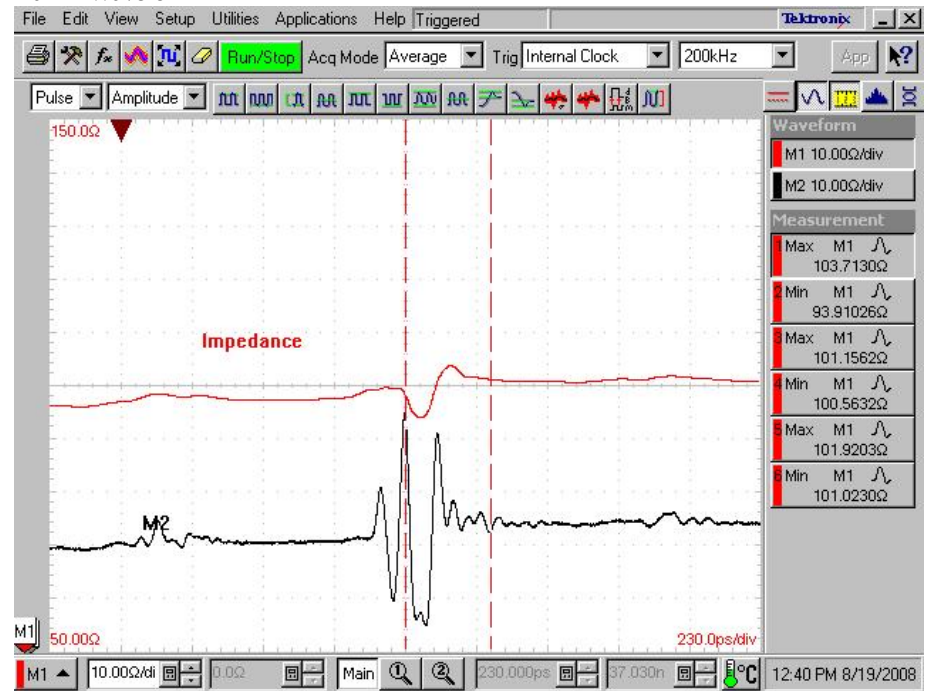
Mated Connector Impedance

Pair 1 Waveform



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Pair 2 Waveform

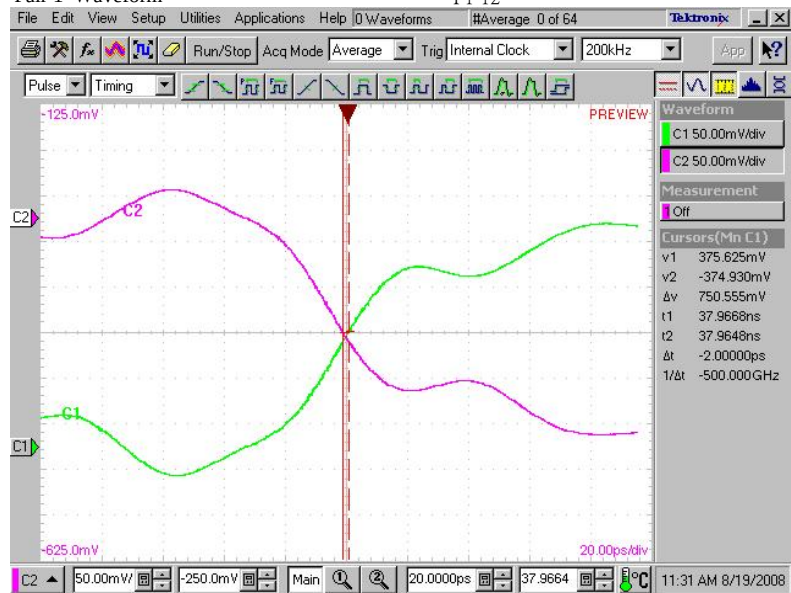


Intra Pair Skew

Pair 1 Waveform

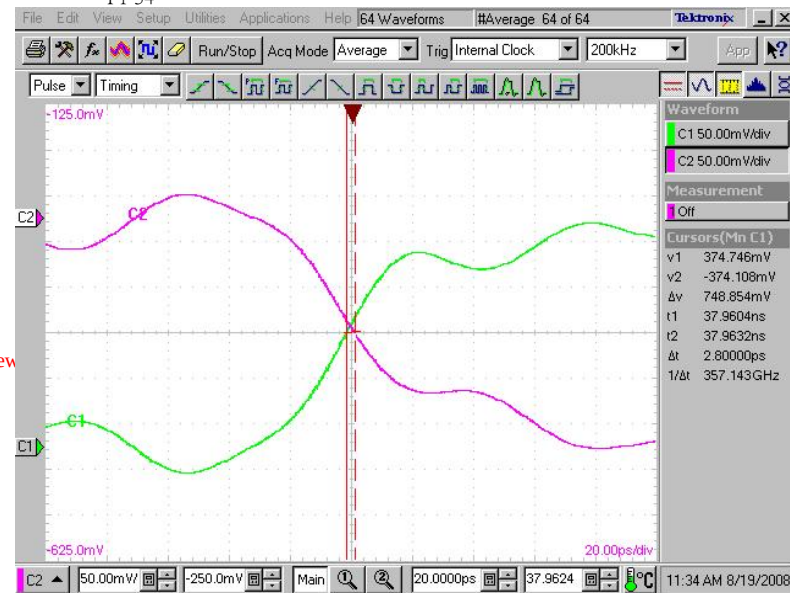
P1-12

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此數值除于2為Skew

P1-34

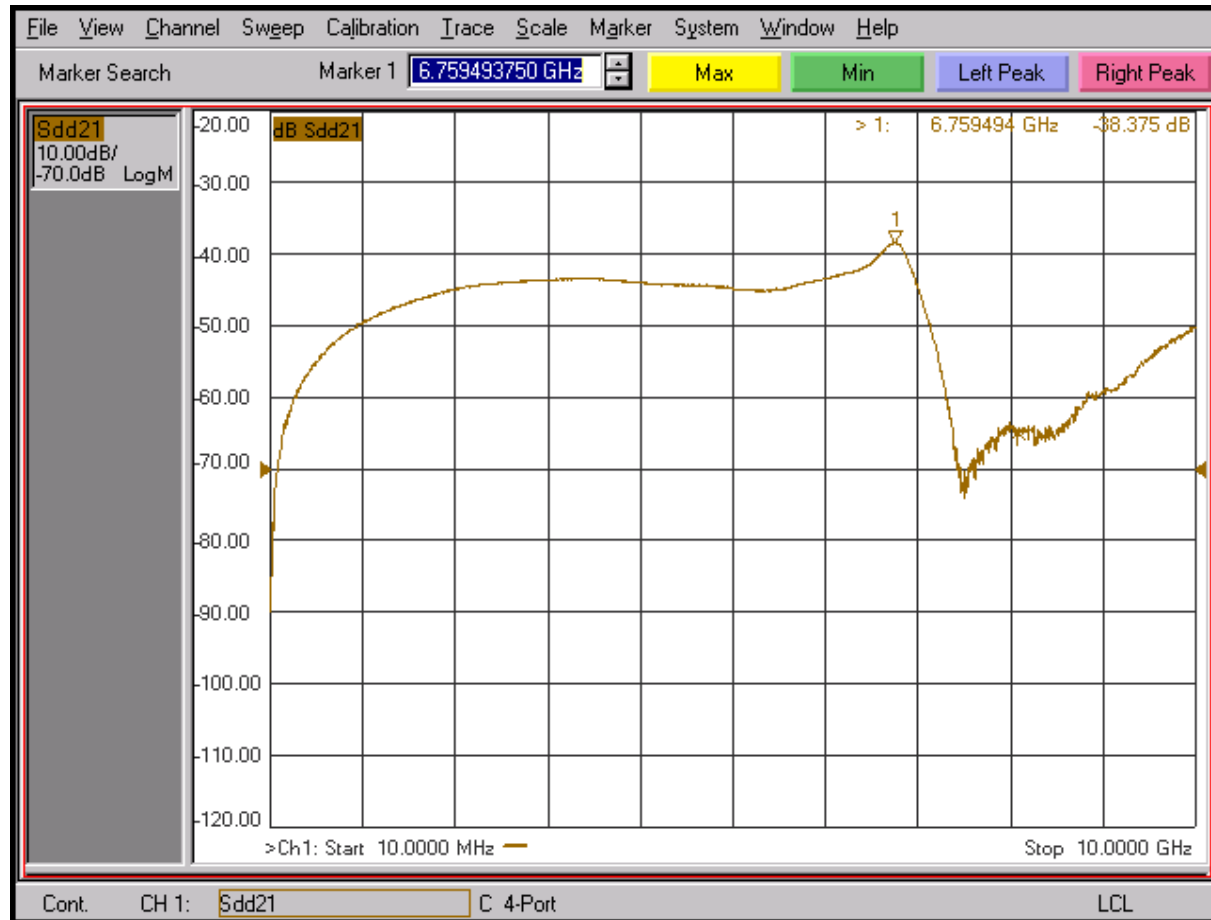


此數值除于2為Skew

Cross talk

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Pair 1 Waveform



Insertion Loss

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Pair 1 Waveform



Pair 2 Waveform

