



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-1R31-0036	Date:		16-Jul-09	
DUT Description:		SATA Receptacle Gen 3 Test Fixture (mated with gold m012)				

Test Report

Mated Connector Impedance @70ps Rise time filter (20-80%)

Conn no.	Pair Num	Result	Spec Max	Spec Min	Max value	Min Value	△Value	Unit	Image
SMA	1	Pass	105	95	101.12	99.92	1.20	Ohms	Click here
	2	Pass	105	95	101.15	99.76	1.39	Ohms	
SATA	1	Pass	108	92	105.44	96.77	8.67	Ohms	Click here
	2	Pass	108	92	104.62	95.63	8.99	Ohms	

Intra Pair Skew

Conn no.	Pair Num	Result	Spec Max	Value	Unit	Image
P1	1	Pass	1	0.4	ps	Click here
	2	Pass	1	0.6	ps	

Cross talk

Conn no.	Frequency	Result	Spec Max	Value	Unit	Image
P1	10M~6G	Pass	-36	-43.81	dB	Click here

Insertion Loss (-3dB)

Conn no.	Pair Num	Result	Spec Min	Value	Unit	Image
P1	1	Pass	8.5G	9.6G	Hz	Click here
	2	Pass	8.5G	9.6G	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

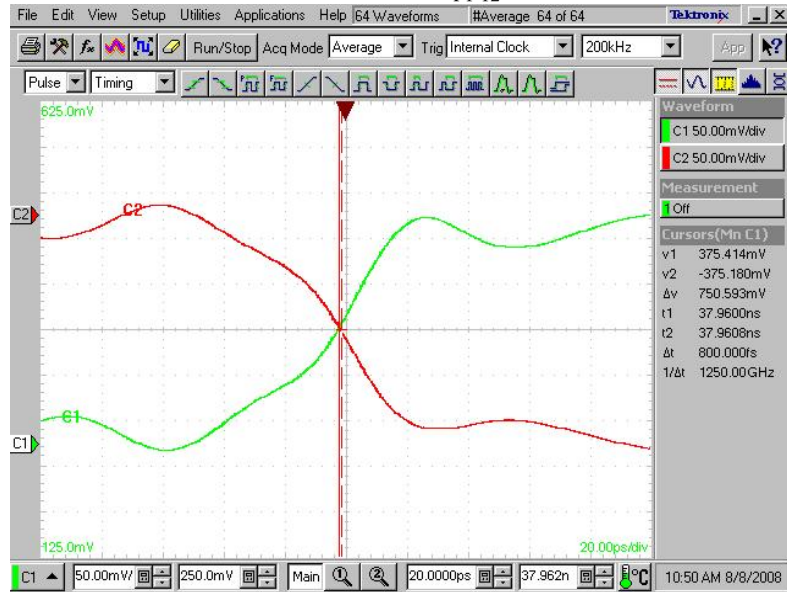


Intra Pair Skew

Pair 1 Waveform

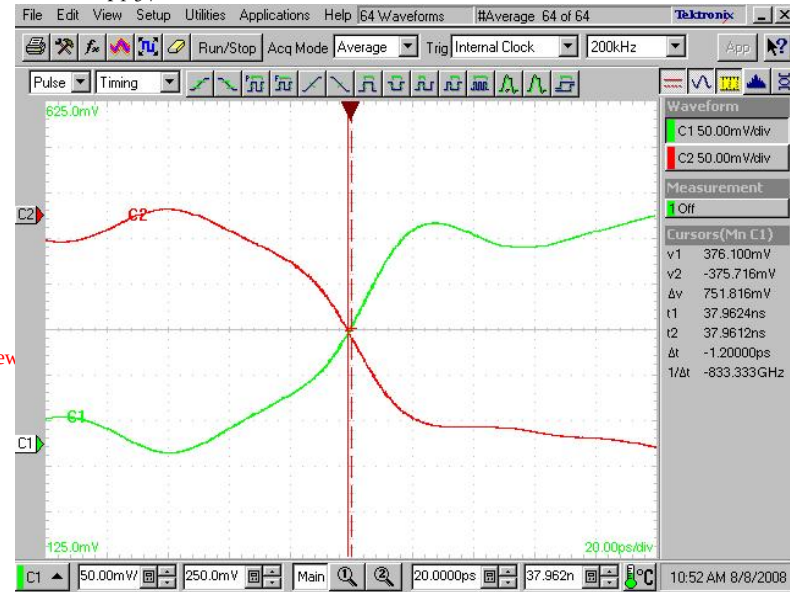
P1-12

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此數值除于2為Skew

P1-34

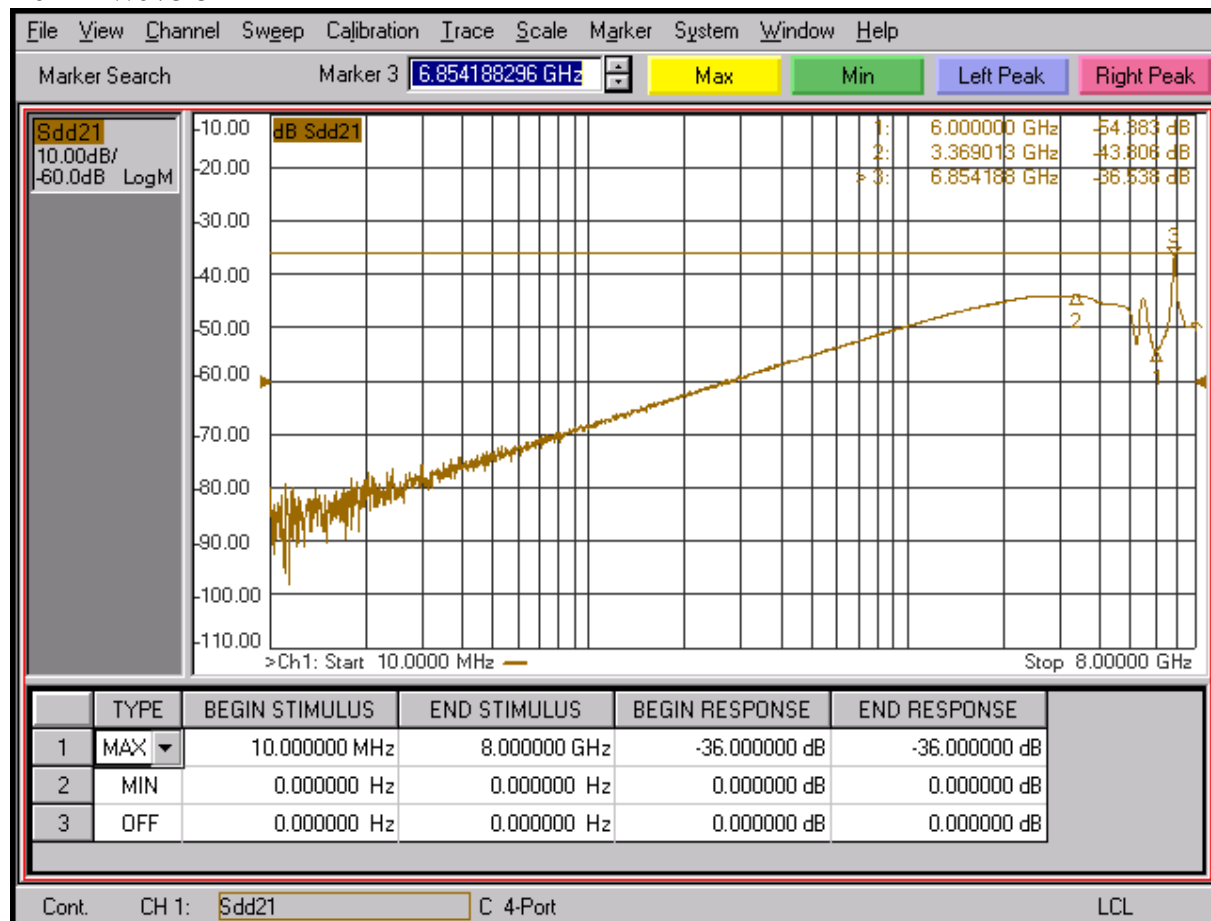


此數值除于2為Skew

Cross talk

[Click here to go back](#)

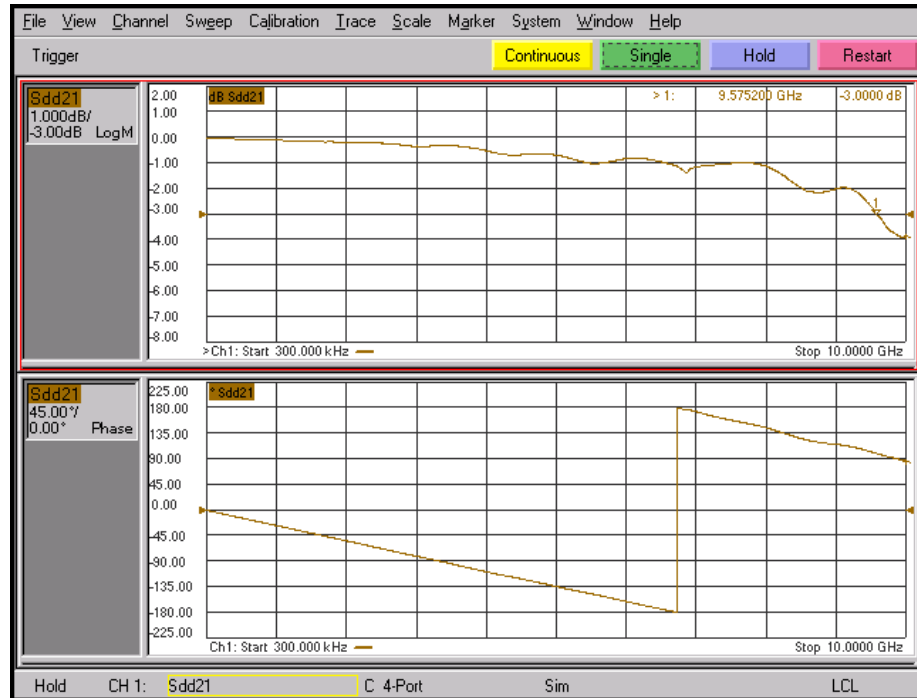
Pair 1 Waveform



Insertion Loss

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Pair 1 Waveform



Pair 2 Waveform

