

2007 OCT 08

3

test w/ Reworked ATA FX corr clock translator

1 input 6 outputs

1Bab → 1dB pad → ~5" coax clock translator

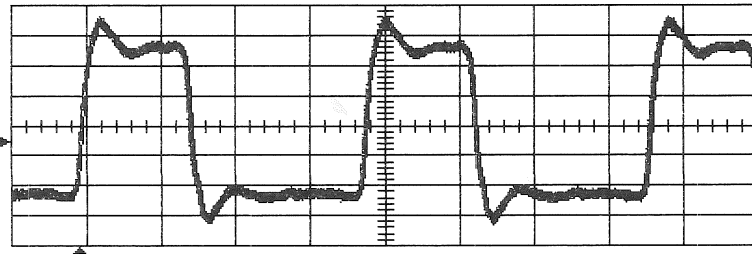
8-Oct-07
17:40:57

U7.16
kludge (1)

5 ns
100mV
1754 swps

3dB pad
kludge
input

1 .5 V DC
2 10 mV DC
3 .5 V 50Ω
4 50 mV AC



pkpk(2)	662mV	Freq(2)	52.3814 MHz
sdev(2)	242.9mV	period(2)	19.09 ns
rms(2)	2.0481 V	width(2)	7.31 ns
cmean(2)	2.0074 V	rise(2)	0.73 ns
csdev(2)	238.5mV	Fall(2)	0.77 ns
crms(2)	2.0214 V	r20-80%(2)	0.48 ns
top(2)	2.309 V	F80-20%(2)	0.48 ns
base(2)	1.821 V	over+(2)	19.09 %
ampl(2)	489mV	over-(2)	16.51 %
mean(2)	2.0337 V	xamn(2)	8.873 ns
minimum(2)	1.740 V	xamx(2)	1.726 ns
maximum(2)	2.403 V	delay(2)	0.17 ns
area(2)	101.763 nVs	cycles(2)	2

MEASURE

OFF
Parameters
mode
Custom
List by nT
Pass
Fail
Dashboard

on trace
2

From
0.00 div
Track OFF On

to
10.00 div
400 pts

2 DC 2.000 V

8 GS/s
AUTO

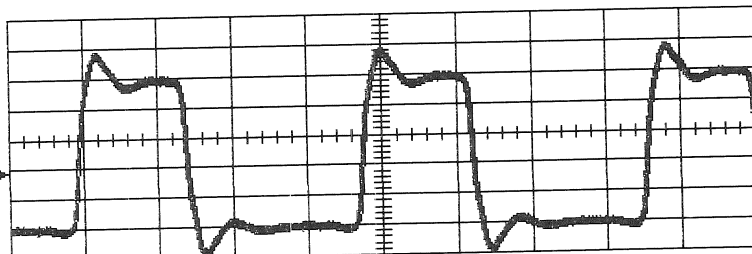
8-Oct-07
17:43:21

U7.16
BWRC kludge
1

5 ns
100mV
2121 swps

3dB pad
at input
BEEZ
powered
off

1 .5 V DC
2 10 mV DC
3 .5 V 50Ω
4 50 mV AC



pkpk(2)	660mV	Freq(2)	52.3920 MHz
sdev(2)	244.0mV	period(2)	19.09 ns
rms(2)	244.3mV	width(2)	7.30 ns
cmean(2)	-10.9mV	rise(2)	0.70 ns
csdev(2)	239.9mV	Fall(2)	0.76 ns
crms(2)	239.7mV	r20-80%(2)	0.45 ns
top(2)	286mV	F80-20%(2)	0.48 ns
base(2)	-197mV	over+(2)	20.80 %
ampl(2)	483mV	over-(2)	15.95 %
mean(2)	16.1mV	xamn(2)	8.929 ns
minimum(2)	-273mV	xamx(2)	1.596 ns
maximum(2)	387mV	delay(2)	0.13 ns
area(2)	883.02 pVs	cycles(2)	2

MEASURE

OFF
Parameters
mode
Custom
List by nT
Pass
Fail
Dashboard

on trace
2

From
0.00 div
Track OFF On

to
10.00 div
400 pts

2 DC 0mV

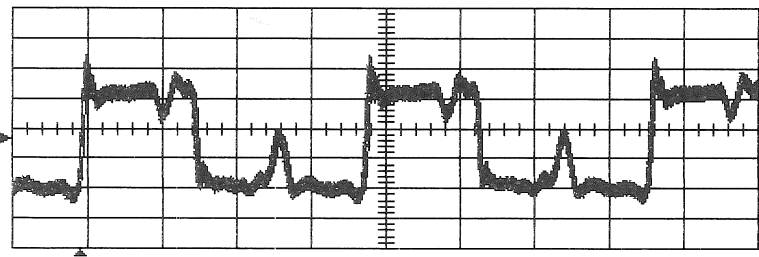
8 GS/s
AUTO

2007 OCT 08

4

8-Oct-07
17:47:13BWR
KLUDGE
1
w/ 3dB pad5 ns
100mV
1922 swps

U7.1

1 .5 V DC
2 10 mV DC $\times 10$
3 .5 V 500
4 50 mV AC

pkpk(2)	440mV	Freq(2)	64.1525 MHz
sdev(2)	149.9mV	period(2)	16.12 ns
rms(2)	1.2618 V	width(2)	10.64 ns
cmean(2) ✓	1.2627 V	rise(2)	4.50 ns
csdev(2) ✓	147.3mV	Fall(2)	0.34 ns
crms(2) ✓	1.2712 V	r20-80%(2)	4.33 ns
top(2)	1.415 V	F80-20%(2)	0.22 ns
base(2)	1.107 V	over+(2)	33.63 %
ampl(2)	308mV	over-(2)	9.16 %
mean(2)	1.2529 V	xamn(2)	5.546 ns
minimum(2)	1.079 V	xamx(2)	466 ps
maximum(2)	1.519 V	delay(2)	0.10 ns
area(2)	62.7223 nVs	cycles(2)	2



2 DC 1.272 V

MEASURE

OFF
Parametersmode
Custom
List by nT
Pass
Fail
Dashboard

on trace

2

From
0.00 div
Track OFF Onto
10.00 div
400 pts

8 GS/s

AUTO