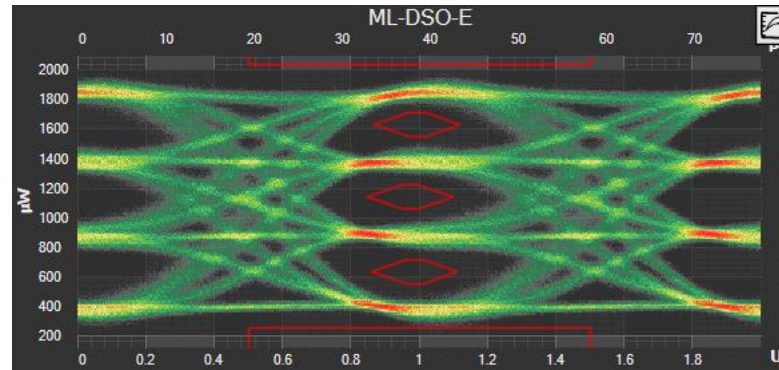


Open Eye Measurement Suite

Open Eye MSA

Kees Propstra

6-17-2020



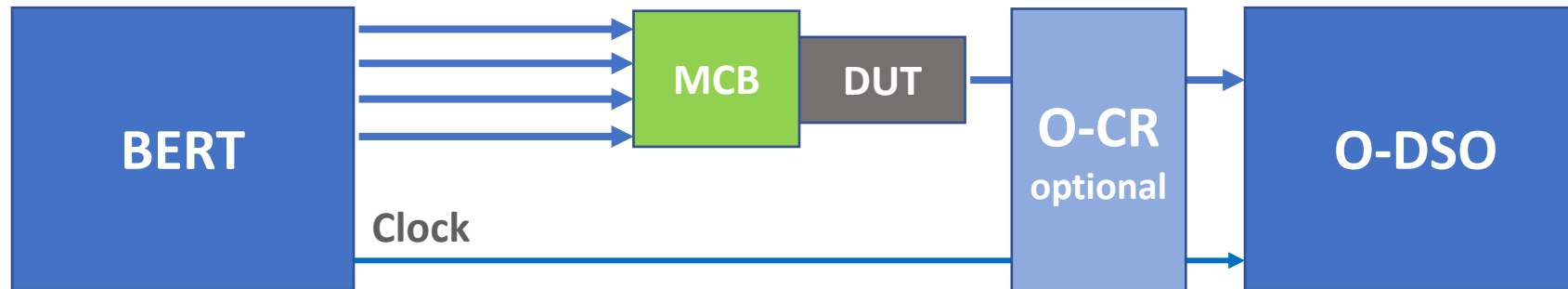
Summary of new required Open Eye measurements

Open Eye measurement suite

Measurement	Comments
Eye Mask	Open Eye specific
VEC deterministic	Open Eye specific
VEC statistical	Open Eye specific
Vertical Eye Opening (EHupp, EHmid, EHlow)	Open Eye specific
Horizontal Eye Opening (EWupp, EWmid, EWlow)	Open Eye specific
DC_Balance	Open Eye specific
Symbol level symmetry	Open Eye specific
Inter-eye skew	Open Eye specific

Equipment setup

Open Eye measurement suite



Measurement results

Open Eye measurement suite

Markers

Enable Markers

X Histogram

Y Histogram

X (ps) Y (mV)

X1 Y1

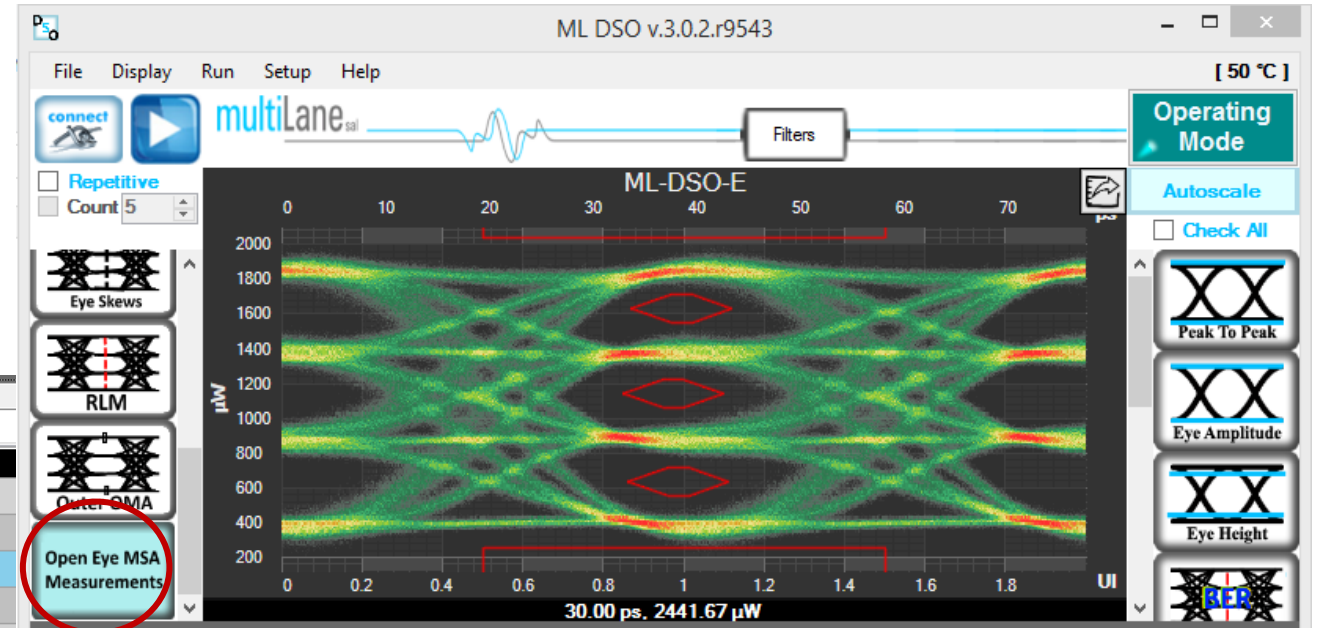
X2 Y2

ΔX ΔY

Pattern 172.16.108.42

Measurements	Unit	Current
Calculated AOP	dBm	0.49
OMA(outer)	dBm	1.37
Open Eye MSA DC Balance		-0.0781
Open Eye MSA Inter Eye Skew	UI	-0.04
Open Eye MSA Symbol Symmetry		0.98
Open Eye MSA EHlow	% OMA Outer	22.96
Open Eye MSA EHmid	% OMA Outer	22.76
Open Eye MSA EHupp	% OMA Outer	19.33
Open Eye MSA EWlow	UI	0.58
Open Eye MSA EWmid	UI	0.57
Open Eye MSA EWupp	UI	0.51
Open Eye MSA VEC Deterministic	dB	0.04
Open Eye MSA VEC Statistical	dB	1.05
Extinction Ratio (outer)	dB	6.86

1047K Sample/UI Acquisition 1



Measurement tab to select Open Eye specific measurements.



THANK YOU

Innovation for the next generation

North America

48511 Warm Springs Blvd. Suite 203
Fremont, CA 94539
USA
+1 510 573 6388

Worldwide

Houmal Technology Park
Askarieh Main Road
Houmal, Lebanon
+961 5 941 668

Asia

14F-5/ Rm.5, 14F., No 295
Sec.2, Guangfu Rd. East Dist.,
Hsinchu City 300, Taiwan (R.O.C)
+886 3 5744 591

info@multilaneinc.com
www.multilaneinc.com