

HDMI_From_Lab\HDMI_TX Report

2011-05-21 19:04

hdmi - CRU Frequency Response function of Clock

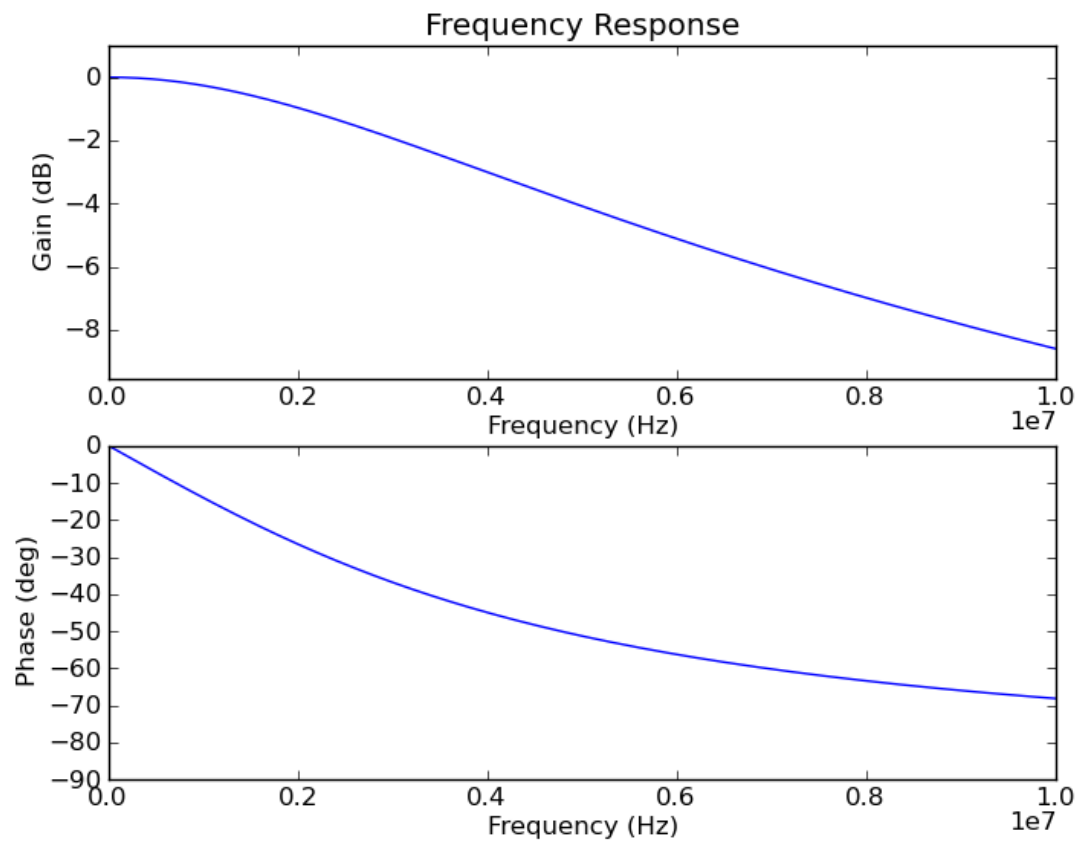


Fig:1 hdmi - CRU Frequency Response function of Clock

Analog Parameters on CLOCK channel

Jitter Values on CLOCK

Maximum Measured Data Jitter	TJ(BER=1.000e-12)
4.66836e-11 (s)	8.74571e-11 (s)

Jitter Components on CLOCK

TJ	DJ	RJ	Qber_r	Qber_l	A_r	A_l
8.7457e-11 (s)	1.9658e-12 (s)	6.0911e-12 (s)	7.0013e+00	7.0329e+00	9.8097e-01	1.0190e+00

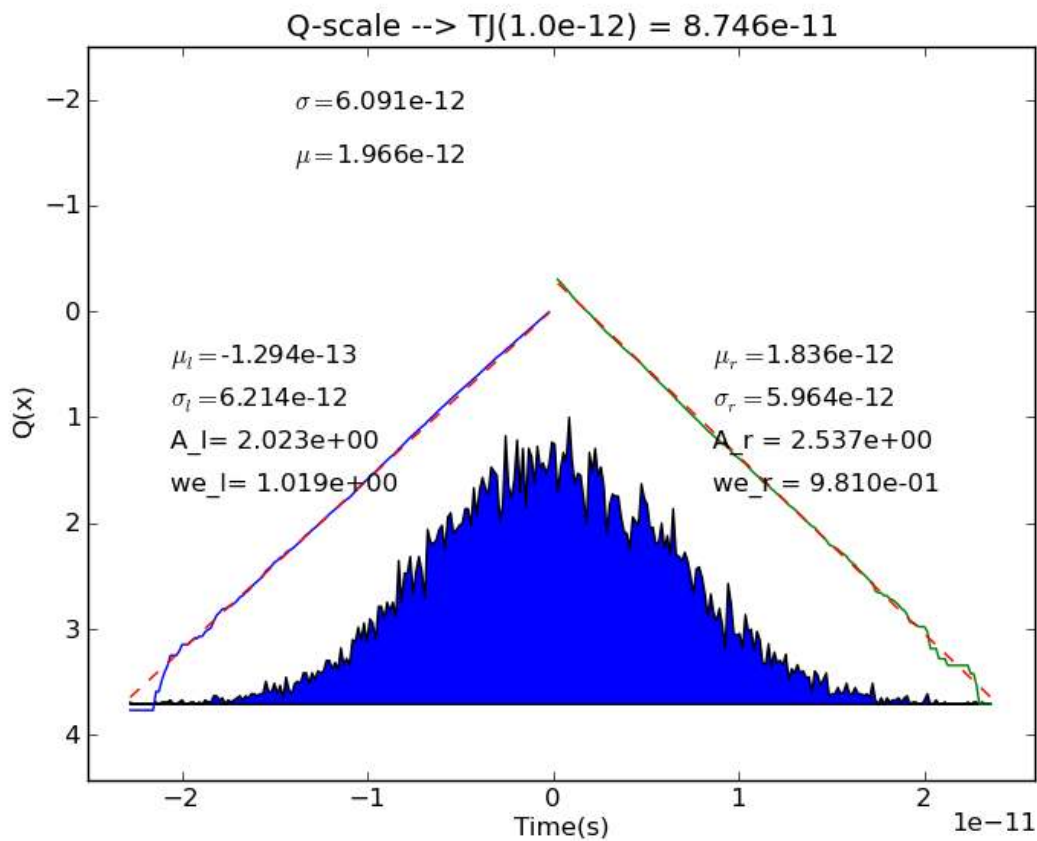


Fig:2 CLOCK Jitter PDF

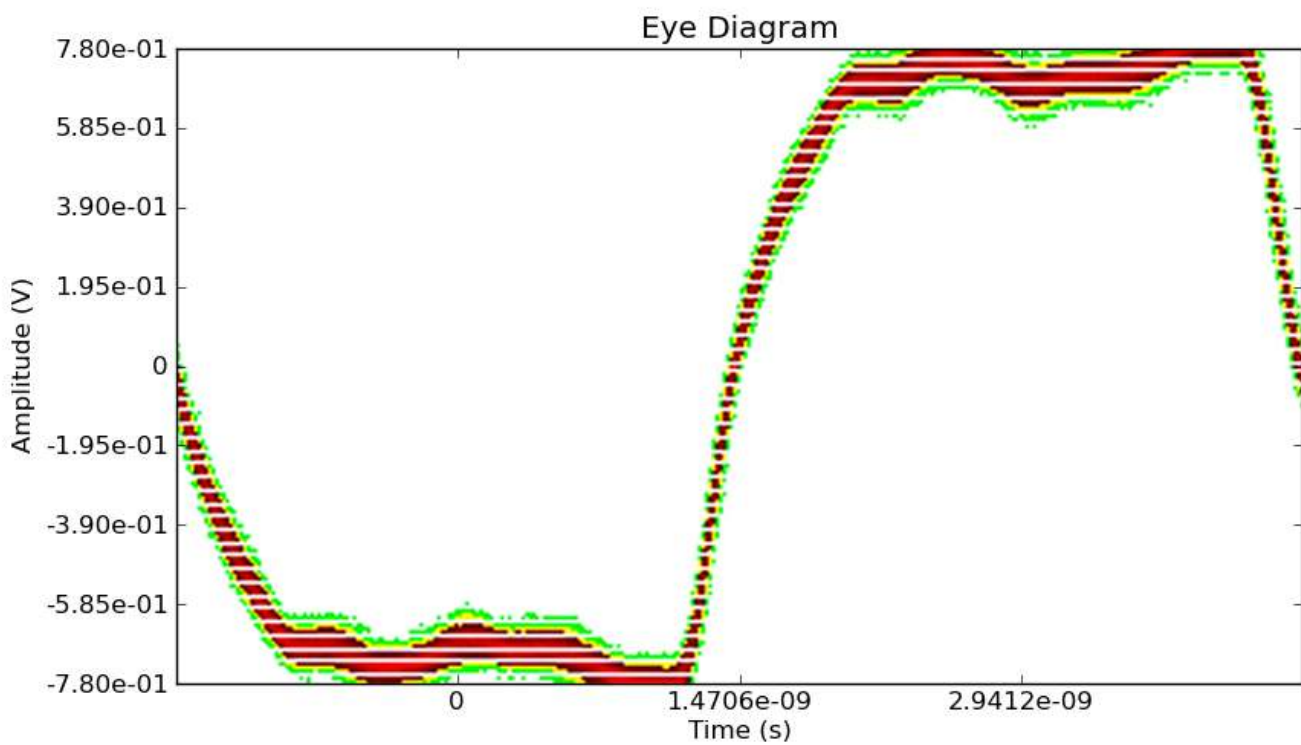


Fig:3 CLOCK Eye Diagram

- o Analog Signal Analysis CLOCK

Test Name	Measured Value
VHIGH - Differential	6.836e-01 (V)
VLOW - Differential	-6.797e-01 (V)
Minimum "1"	6.067e-01 (V)
Minimum "0"	-5.980e-01 (V)
Minimum Rise Time	2.239e-10 (s)

Analog Parameters on DATA[0] channel

o Jitter Values on DATA[0]

Maximum Measured Data Jitter	TJ(BER=1.000e-12)
5.81878e-11 (s)	8.86859e-11 (s)

o Jitter Components on DATA[0]

TJ	DJ	RJ	Qber_r	Qber_l	A_r	A_l
8.8686e-11 (s)	6.8860e-12 (s)	5.8620e-12 (s)	6.9702e+00	6.9856e+00	1.0518e+00	9.4817e-01

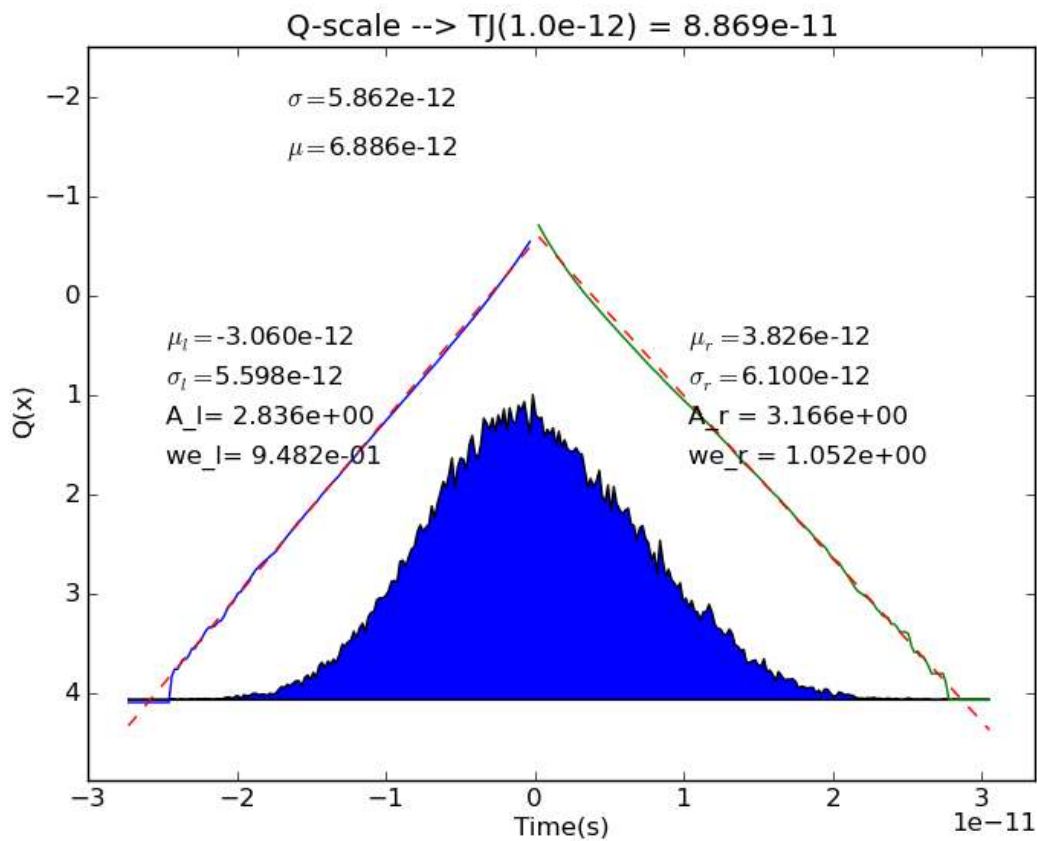


Fig:4 DATA[0] Jitter PDF

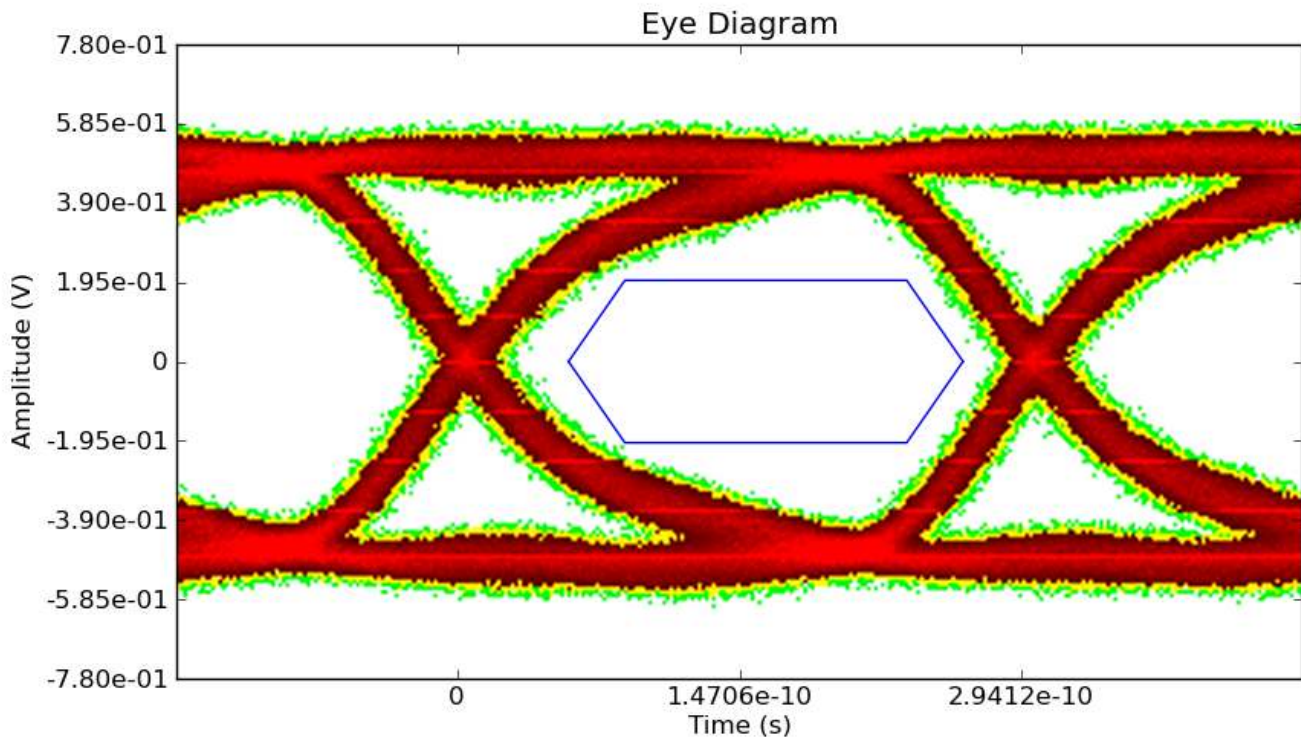


Fig:5 DATA[0] Eye Diagram

- o Analog Signal Analysis DATA[0]

Test Name	Measured Value
VHIGH - Differential	4.523×10^{-1} (V)
VLOW - Differential	-4.491×10^{-1} (V)
Minimum "1"	3.380×10^{-1} (V)
Minimum "0"	-3.380×10^{-1} (V)
Minimum Rise Time	1.338×10^{-10} (s)
Minimum Fall Time	1.338×10^{-10} (s)

Analog Parameters on DATA[1] channel

- o Jitter Values on DATA[1]

Maximum Measured Data Jitter	TJ(BER=1.000e-12)
5.58022×10^{-11} (s)	8.82681×10^{-11} (s)

- o Jitter Components on DATA[1]

TJ	DJ	RJ	Qber_r	Qber_l	A_r	A_l
8.8268×10^{-11} (s)	1.1266×10^{-11} (s)	5.5320×10^{-12} (s)	$6.9521 \times 10^{+00}$	$6.9673 \times 10^{+00}$	9.7582×10^{-01}	$1.0242 \times 10^{+00}$

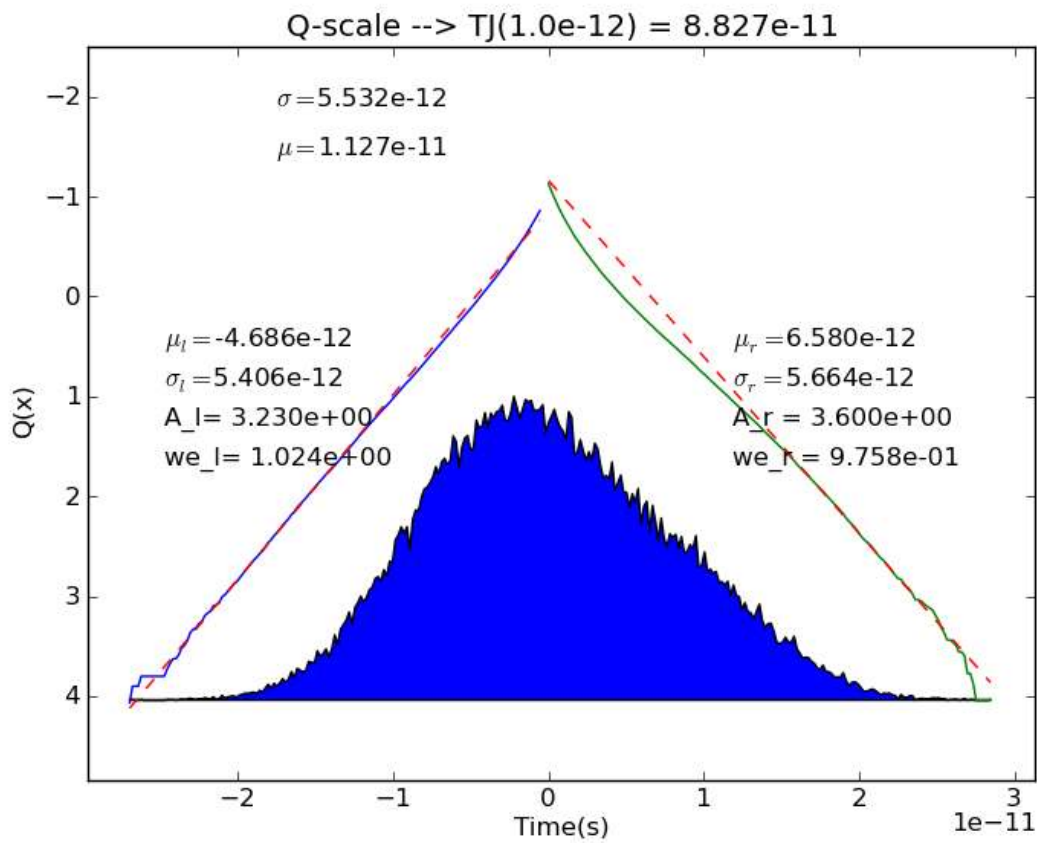


Fig:6 DATA[1] Jitter PDF

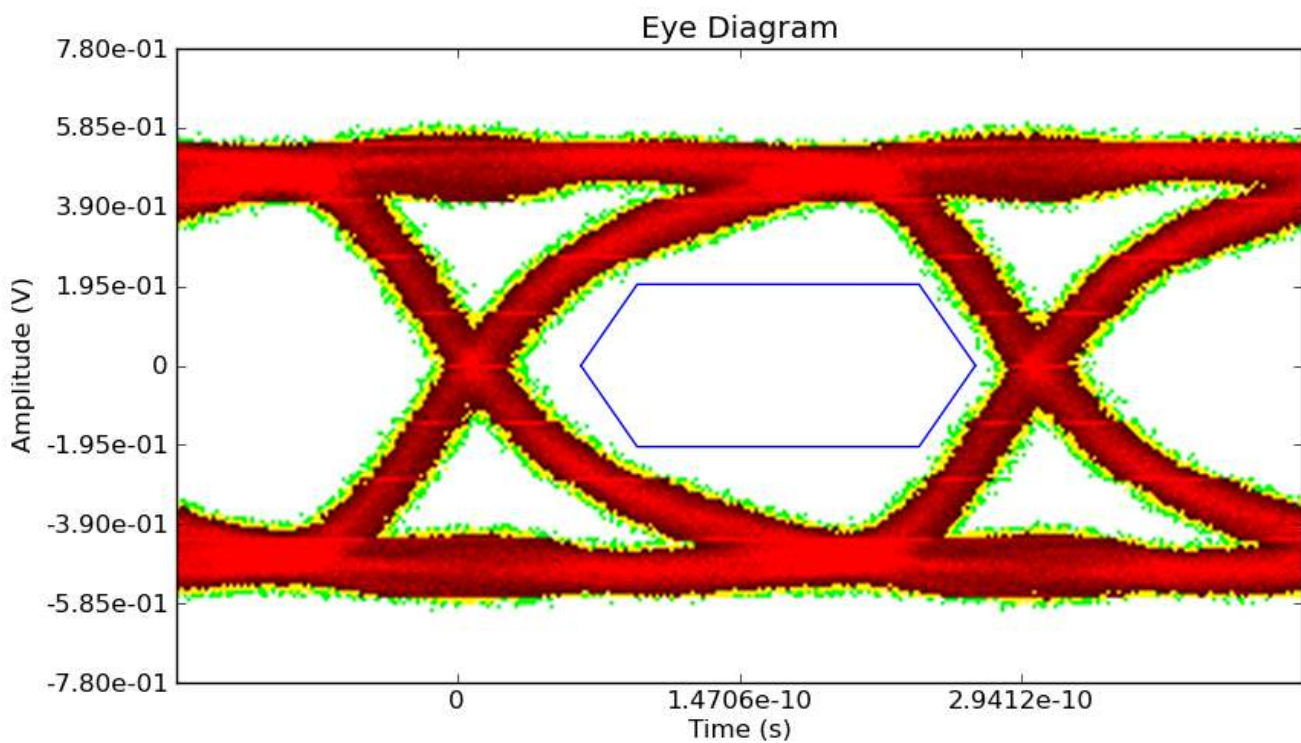


Fig:7 DATA[1] Eye Diagram

- o Analog Signal Analysis DATA[1]

Test Name	Measured Value
VHIGH - Differential	4.571e-01 (V)
VLOW - Differential	-4.481e-01 (V)

Minimum "1"	3.380e-01 (V)
Minimum "0"	-3.293e-01 (V)
Minimum Rise Time	1.330e-10 (s)
Minimum Fall Time	1.353e-10 (s)

Analog Parameters on DATA[2] channel

o Jitter Values on DATA[2]

Maximum Measured Data Jitter	TJ(BER=1.000e-12)
5.89586e-11 (s)	8.76294e-11 (s)

o Jitter Components on DATA[2]

TJ	DJ	RJ	Qber_r	Qber_l	A_r	A_l
8.7629e-11 (s)	1.0767e-11 (s)	5.5230e-12 (s)	6.9455e+00	6.9672e+00	8.1959e-01	1.1804e+00

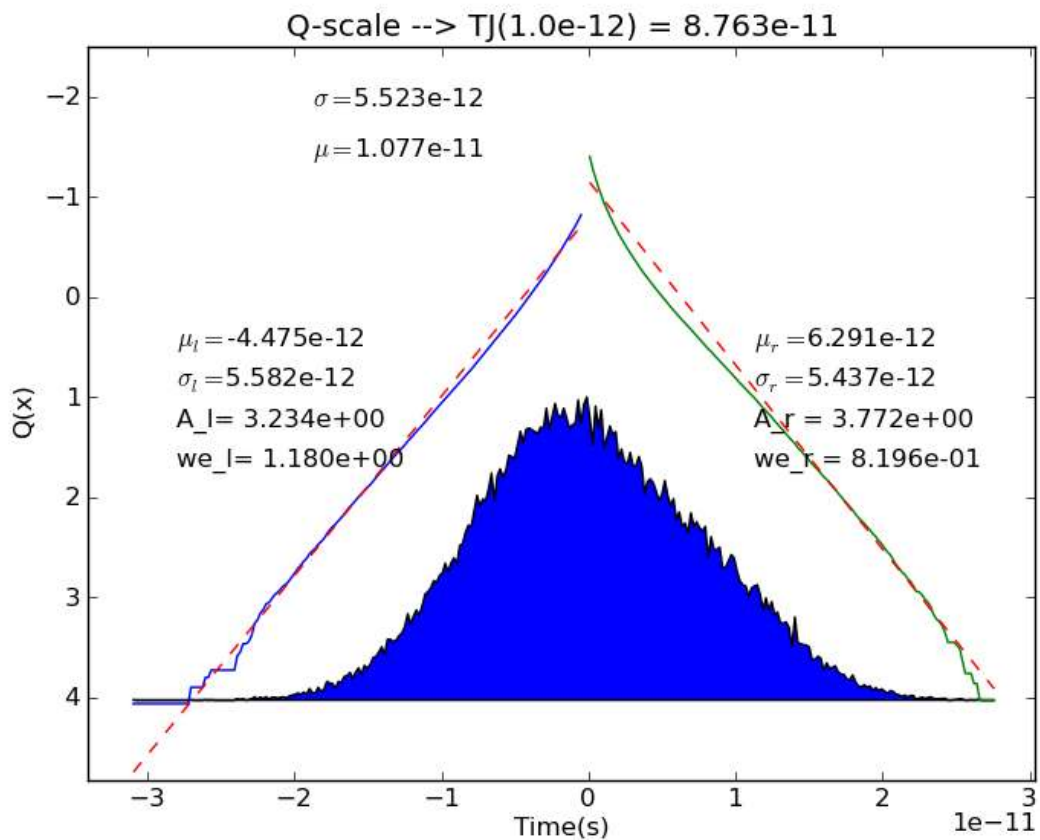


Fig:8 DATA[2] Jitter PDF

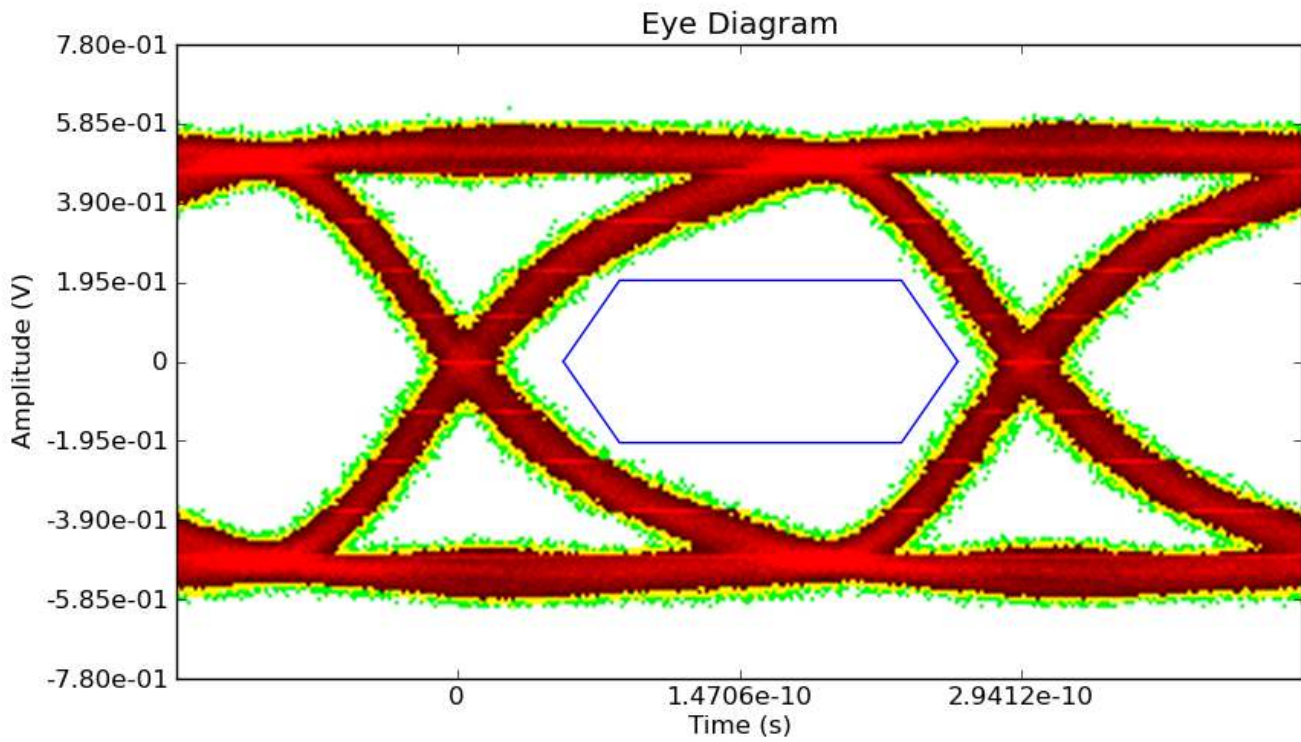


Fig:9 DATA[2] Eye Diagram

- o Analog Signal Analysis DATA[2]

Test Name	Measured Value
VHIGH - Differential	4.764e-01 (V)
VLOW - Differential	-4.665e-01 (V)
Minimum "1"	3.727e-01 (V)
Minimum "0"	-3.467e-01 (V)
Minimum Rise Time	1.428e-10 (s)
Minimum Fall Time	1.414e-10 (s)

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