Sample: 1.65Gbps DVI
35m 28AWG TWINAX CABLE

EYE DIAGRAM AFTER MAX3815 RECEIVE EQ

PASS

FAIL

JITTER = 45ps
2^10 - 1 PRBS
AT 1.65Gbps

MAX3815 OUTPUT AT 1.65Gbps

ADDITIVE DIFFERENTIAL JITTER
> 0.2Ulp-p
DUE TO DIFF-TO-CM CONVERSION

ADDITIVE DIFFERENTIAL JITTER
< 0.1Ulp-p
DUE TO DIFF-TO-CM CONVERSION

DIFF-TO-CM CONVERSION (dB)

DIFF-TO-DIFF (SDD21)

DIFF-TO-CM (SCD21)

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