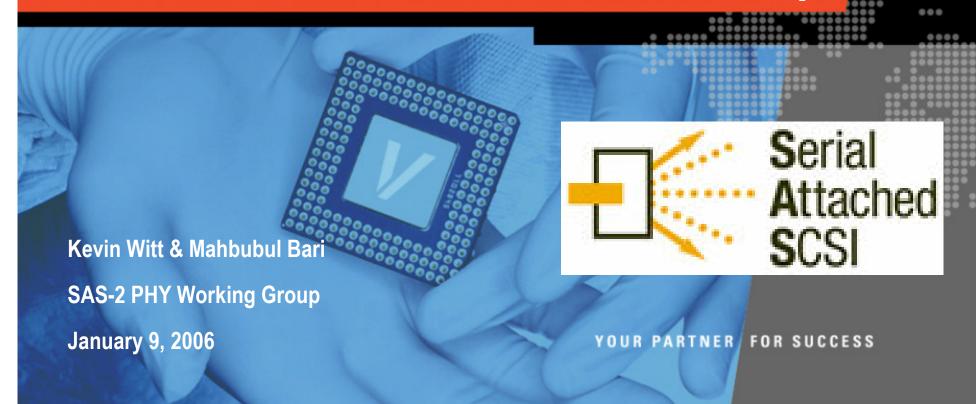
VITESSE

06-052r0 Enhanced SFF-8470, SFF-8086 and SATA Cable at 6Gbps

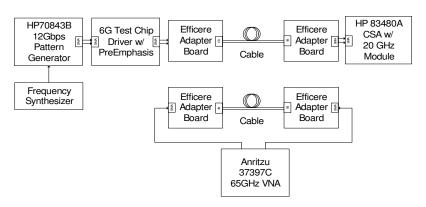


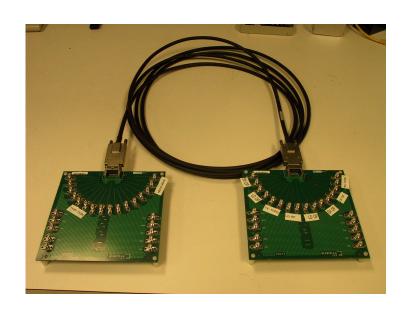
SFF-8470 Options for SAS-2

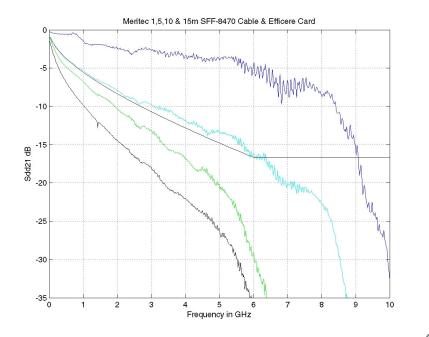
VITESSE



- Enhanced SFF-8470 Cable
 - 1, 5, 10 & 15m Cables Investigated
- High Performance Evaluation Card (4x-SMA-12R)
 - www.Efficere.com







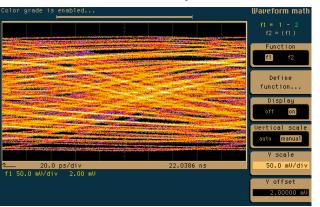
SFF-8470 Options for SAS-2

VITESSE

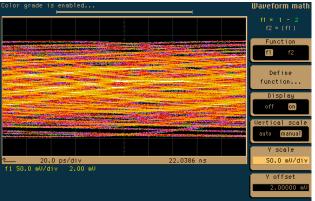
Meritec[™] & Efficere[™] Cable and Board Technology @ 6Gbps

5m w/o De-Emphasis

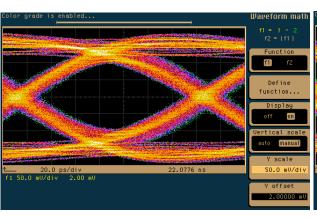
10m w/o De-Emphasis



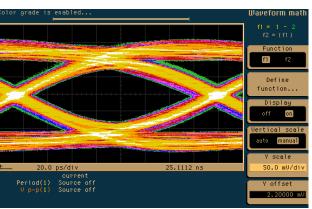
15m w/o De-Emphasis



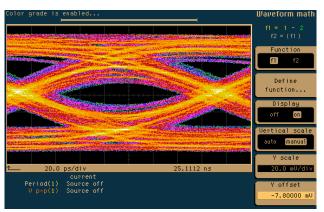
5m w/ De-Emphasis



10m w/ De-Emphasis



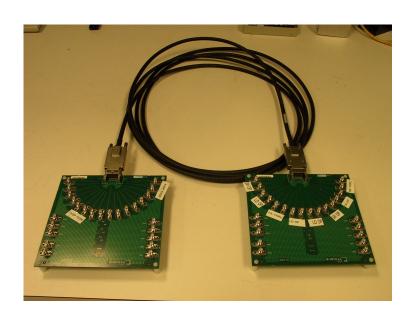
15m w/ De-Emphasis

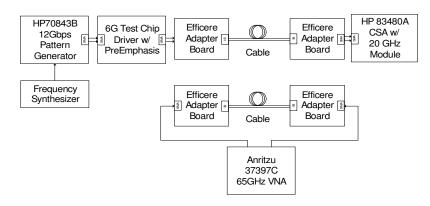


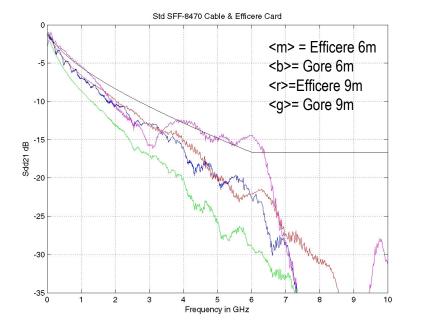
SFF-8470 Option for SAS-2

VITESSE

- Standard SFF-8470 Cables & Efficere™ Interface Board
 - Standard SFF-8470 Cable (6 & 9m)
 - High Performance Eval Card (4x-SMA-12R)
 - · www.Efficere.com
 - Interface Card De-embedded
 - Anritizu 37397 65GHz 2-port VNA





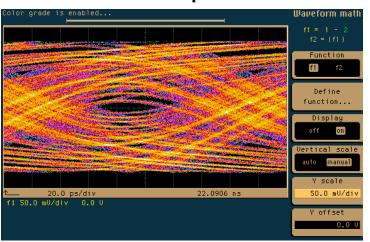


SFF-8470 Option for SAS-2

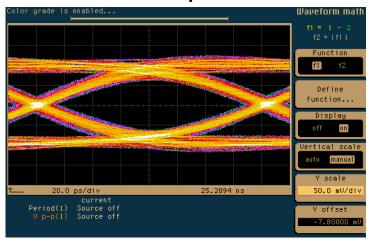
VITESSE

Standard SFF-8470 Cables & Efficere™ Interface Board

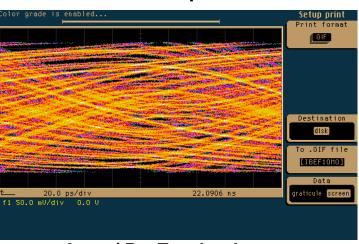
6m w/o De-Emphasis



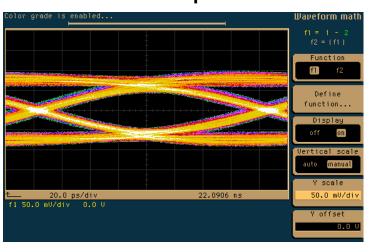
6m w/ De-Emphasis



9m w/o De-Emphasis



9m w/ De-Emphasis

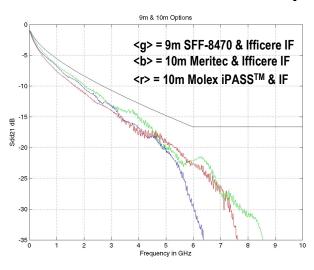


10m Options for SAS-2

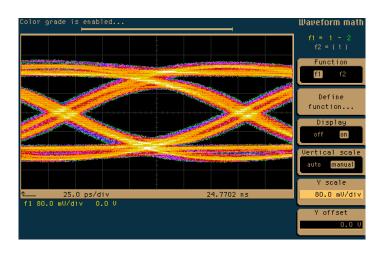
VITESSE



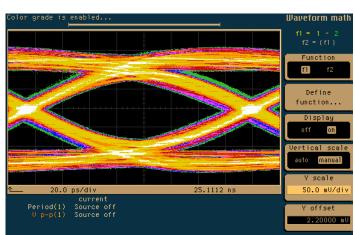
3 Options for ~10m w/ Tx De-Emphasis Only



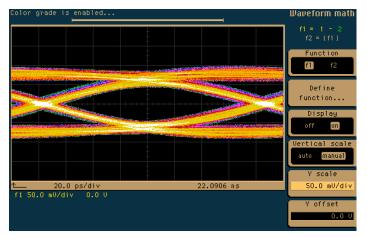
10m iPASS SFF-8086 w/ Molex IF Card



10m Meritec Enhanced SFF-8470 & Efficere IF Card



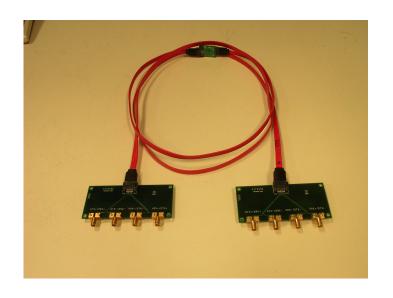
9m Standard SFF-8470 & Efficere IF Card

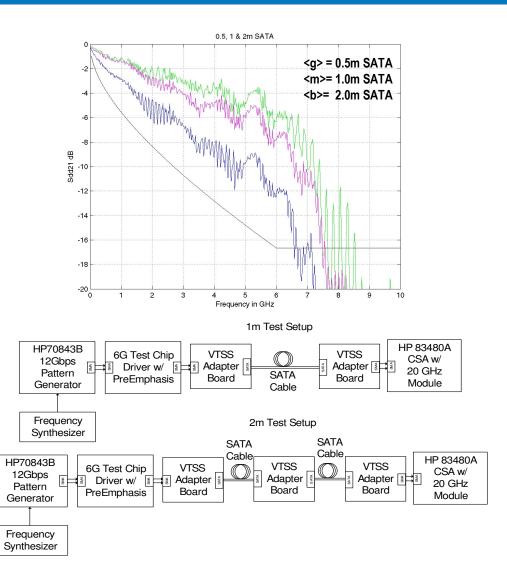


SATA Cables at 6Gbps

VITESSE

- Quick Look at SATA Cables for SAS-2
 - 0.5m, 1m and 2m lengths @ 6Gbps



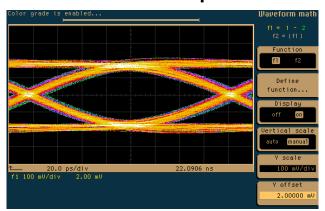


SATA Cables at 6Gbps

VITESSE

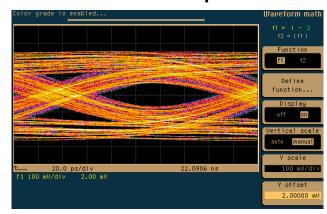
SATA Cable @ 6Gbps

1m w/o De-Emphasis

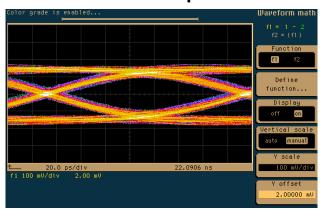


1m SATA Cable is Open @ 6Gbps No Need for DE

2m w/o De-Emphasis



2m w/ De-Emphasis



Summary VITESSE

Multiple Options Exist to meet the 10m SAS-2 Reach Objectives

- Enhanced SFF-8086 iPASSTM (05-426r0)
- Meritec[™] Enhanced SFF-8470 Cables and Efficere[™] PCB technology
- Standard SFF-8470 and Efficere[™] PCB technology

SATA Cable Will Most Likely Not Need Much or Any Equalization at 6G

- 6G SATA Drives Will be Optimized for the SATA Channel
- SAS-2 Phys Will Need to Provide the Tx and Rx Equalization to Support SATA 6G Drives in SAS-2 Channels besides the SATA cable