All,

By request in the SAS Phy meeting I have uploaded 05-355r0.zip containing an s2p touchstone file with insertion loss identical to the IT TCTF (the original XAUI curve).

This is a difl 2-port model rather than an s4p (4-port) because that is all the program I use (Oculus by AtSpeed) can generate.

Also, the frequency goes only to 10 GHz, again due to apparent program limitations. (However, the frequency squared term makes this model increasing unrealistic at higher frequencies anyway.)

Last, the phase information is not constrained by the TCTF definition. The program (Oculus) generates apparently realistic, non-constant group delay in the model due to the skin effect (square root of frequency term).

A cheesy little plot of the insertion loss and group delay is included below, as well as a polar plot of the perfect return loss assumed for this model.

Regards,

Mike