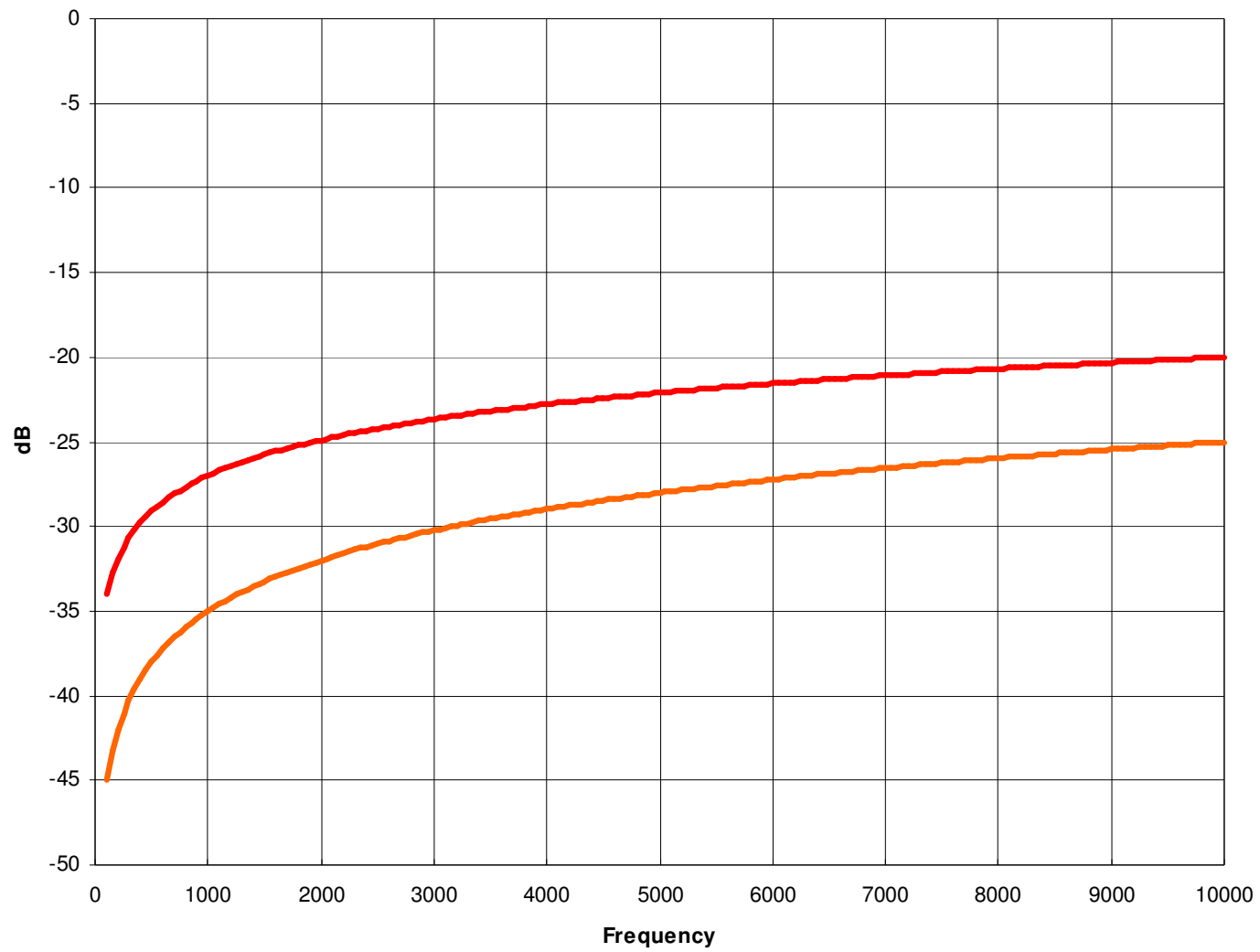


X-Talk and Group Delay

Jeff Cain

Crosstalk

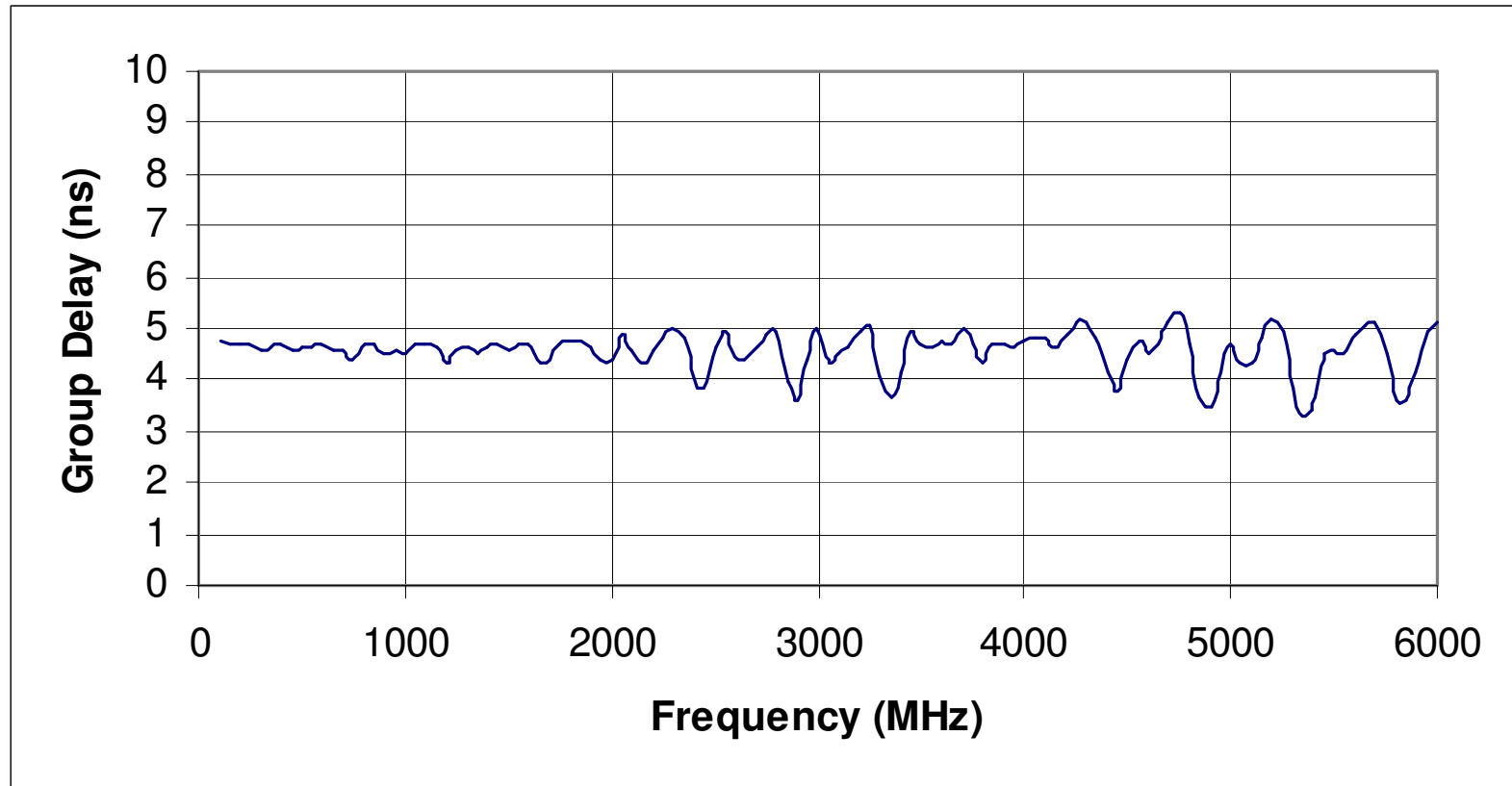
- Data presented is from an older design
 - I have no problem pulling the curves down for newer connector systems
- What we know for sure –
 - Most of the crosstalk is in the connector/connection fields
 - Unless your CAD layout is completely clueless



Group Delay

- By definition
 - $GD = d\phi/d\omega$ – derivative of the phase vs frequency
 - Measured in seconds
 - We need to give some type of phase information for people wanting to do simulations
- Very open to the limitations of the curves

Example Group Delay



Group Delay Limits

