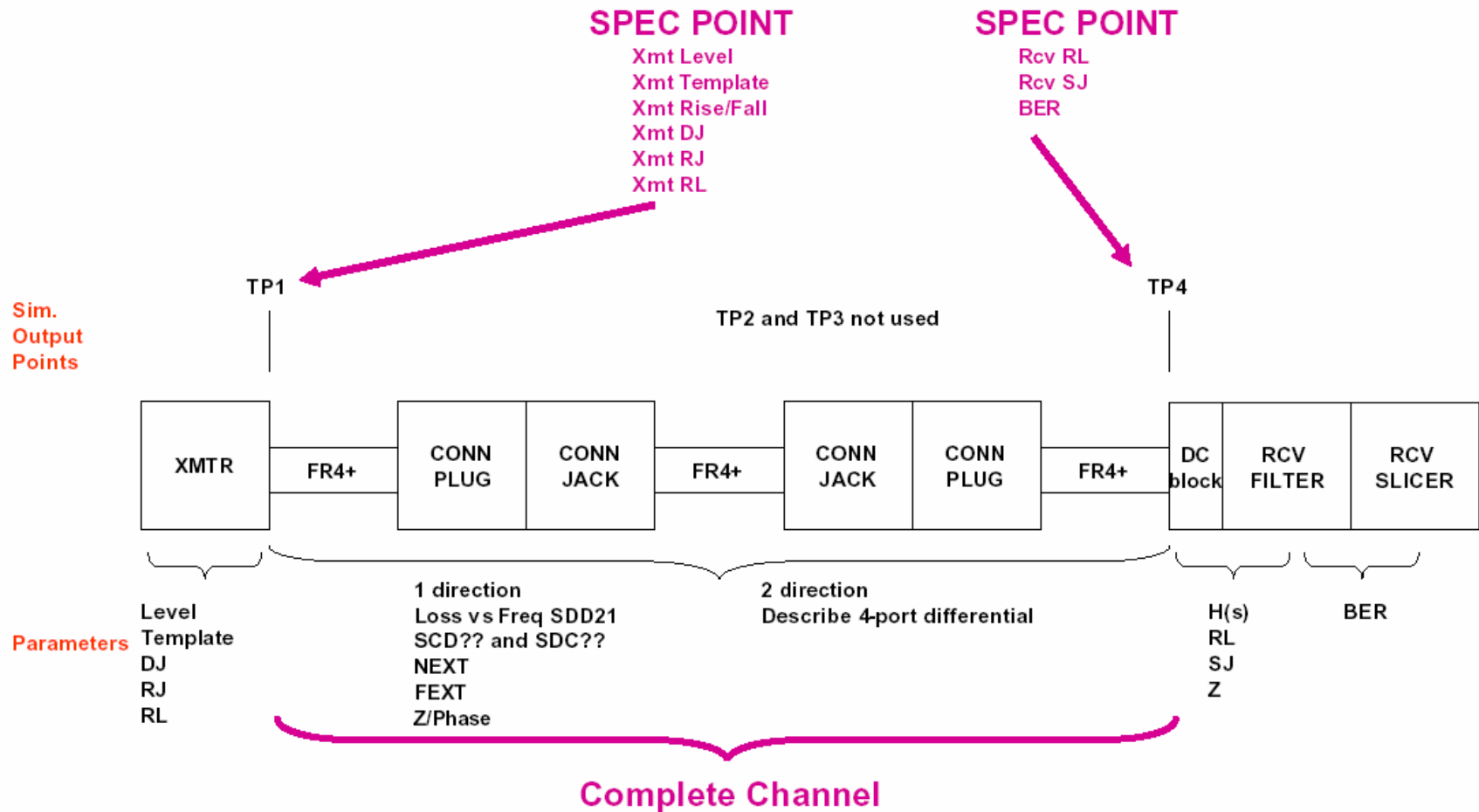
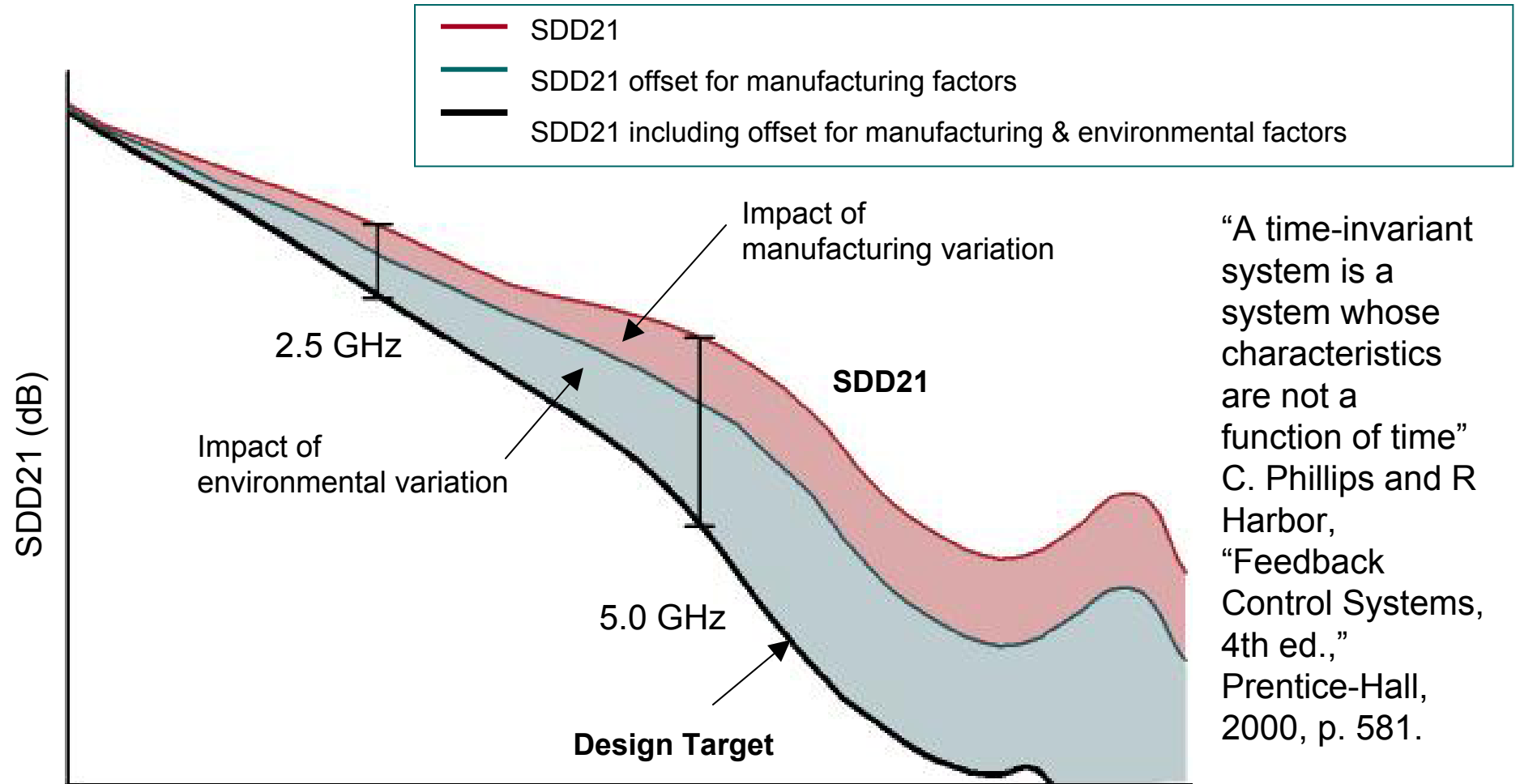

Channel Models

John D'Ambrosia, Tyco Electronics

Channel Ad Hoc Model

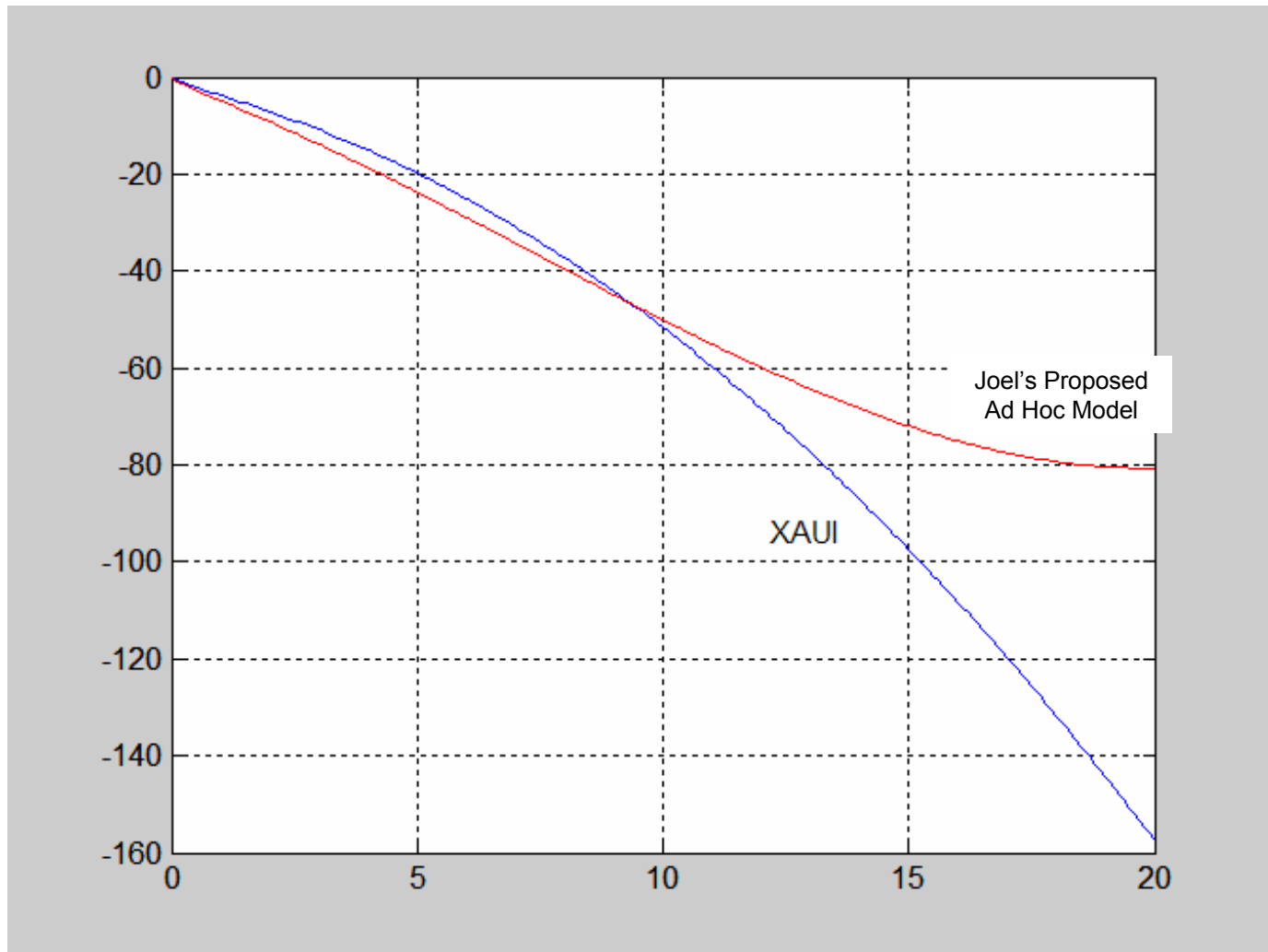


We Are Dealing with a Time-Varying Channel

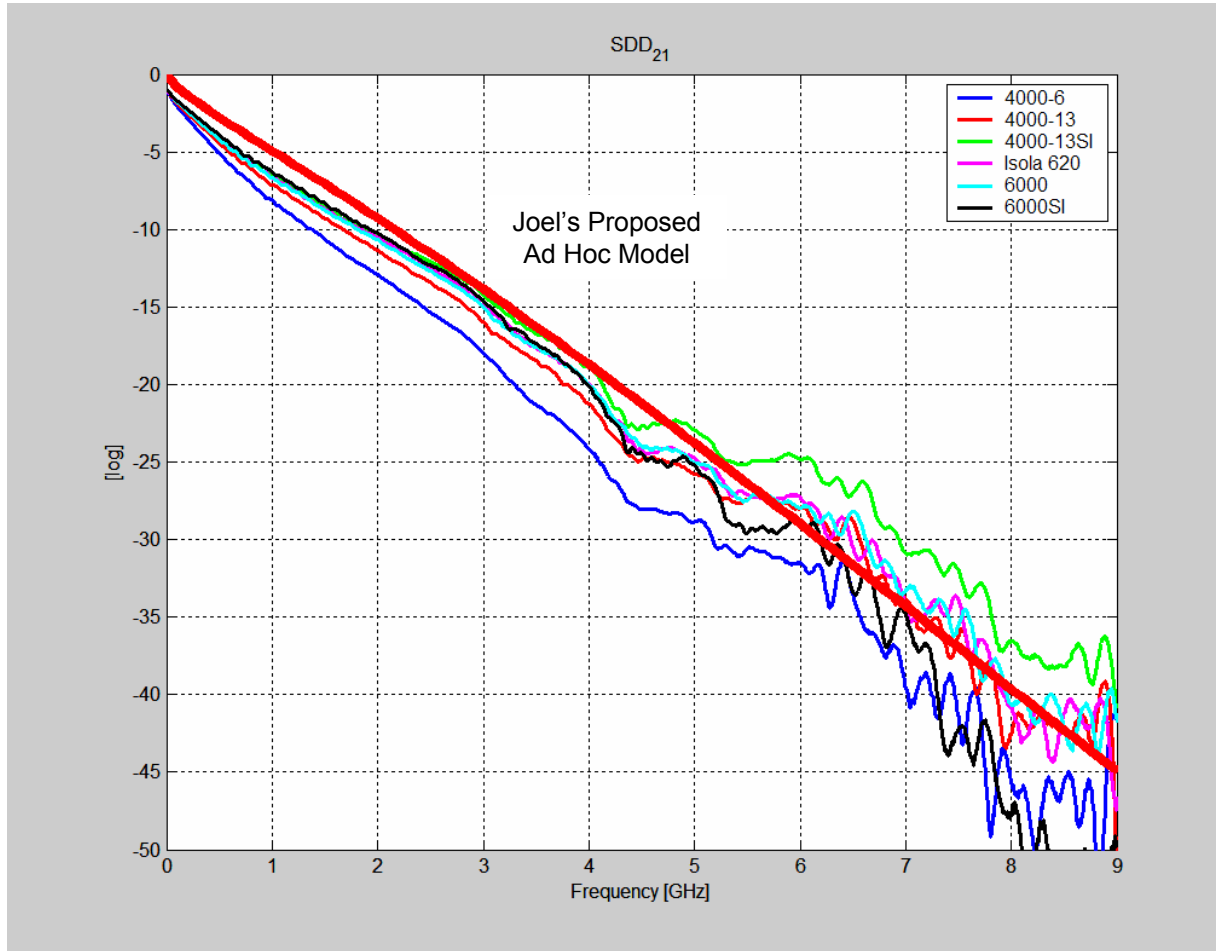


“A time-invariant system is a system whose characteristics are not a function of time”
C. Phillips and R Harbor,
“Feedback Control Systems,
4th ed.,”
Prentice-Hall,
2000, p. 581.

Proposed Ad Hoc SDD21 Channel Model

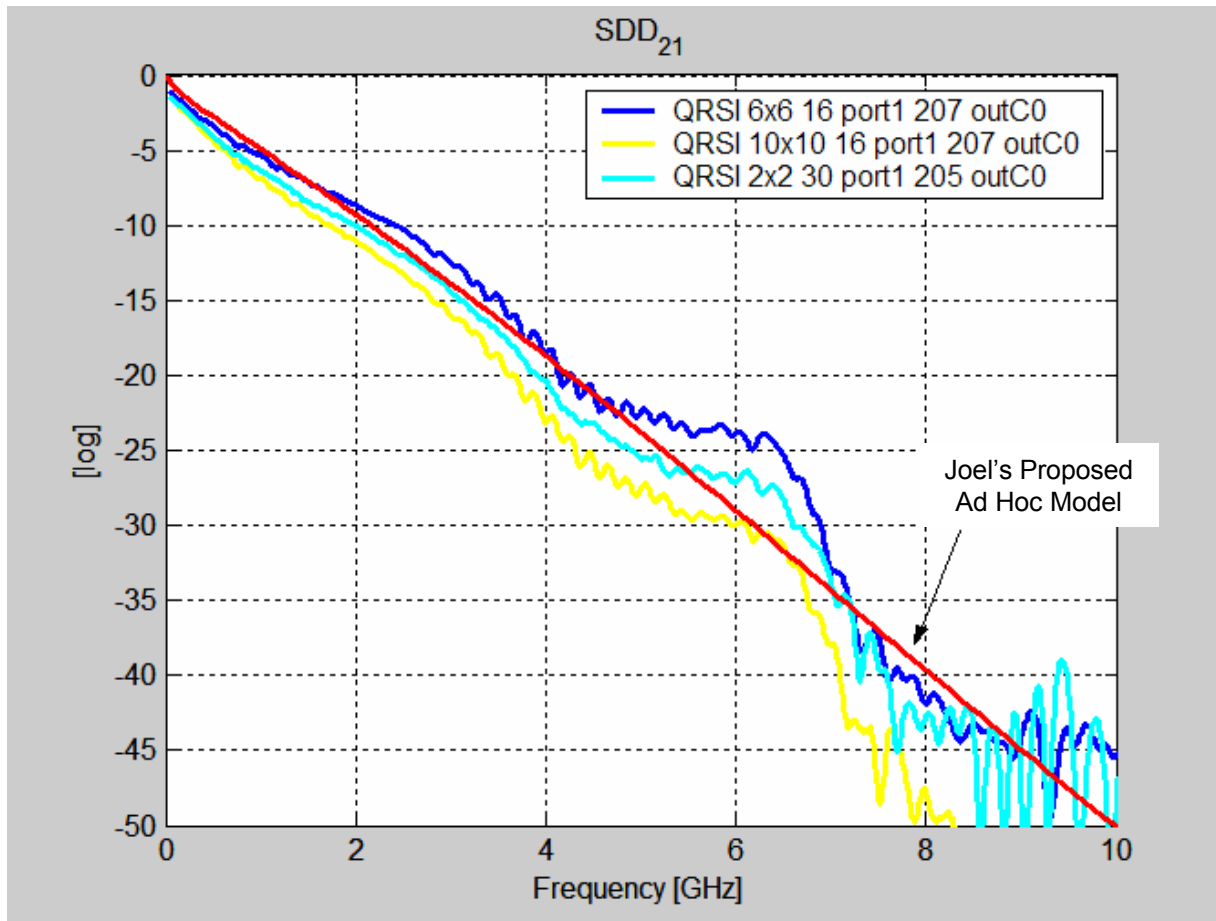


Different Materials – 34” Channels



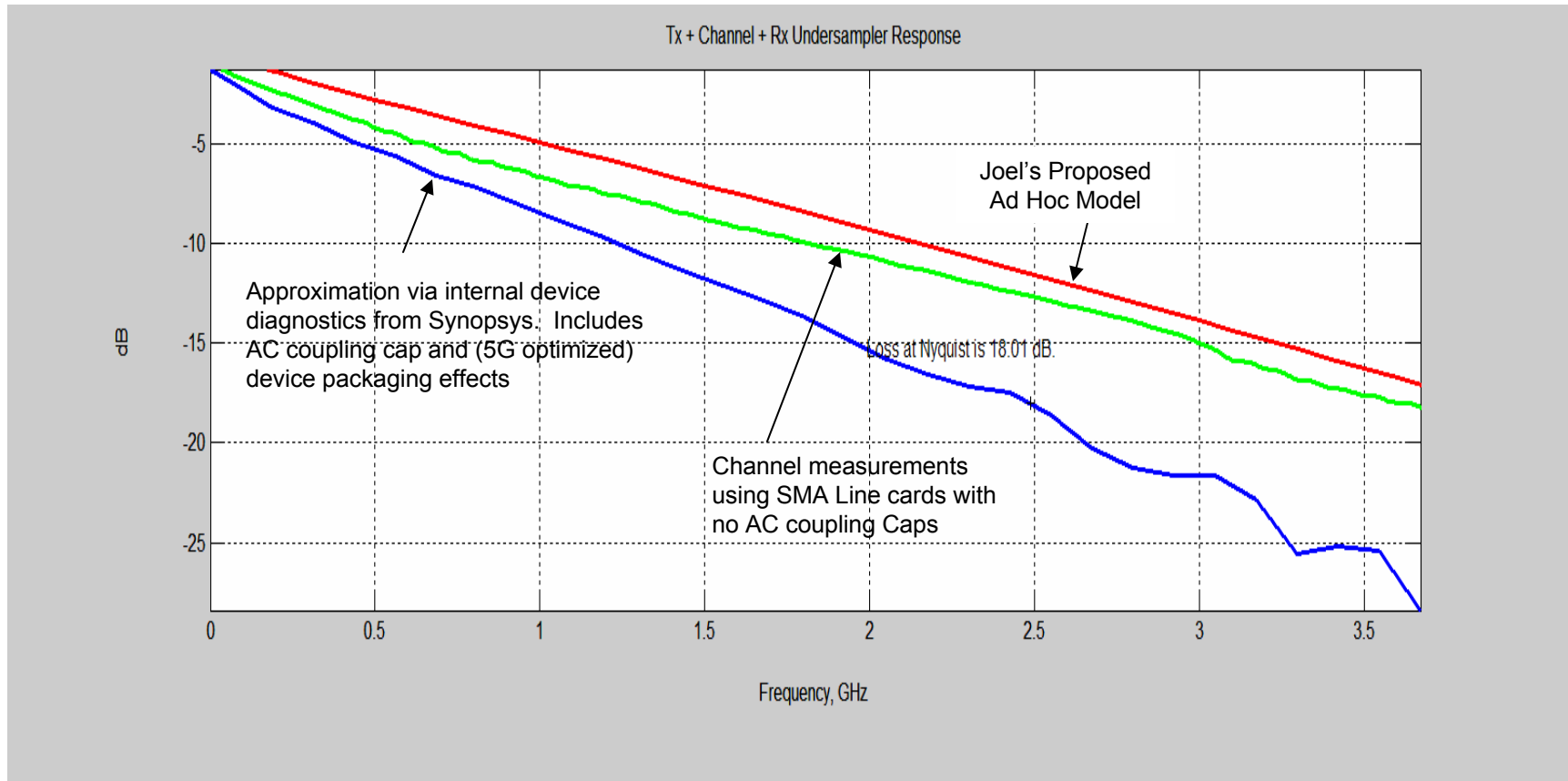
- QuadRoute Backplanes
 - 4.75 mil wide traces on all but 4000-6 version (4mil wide)
- Uses HM-Zd SMA Line Card
 - 4000-2
 - 6 mil wide traces
- No Counterboring on HM-Zd connector

Different Lengths



- QuadRoute Backplanes
 - 6000SI
 - 4.75 mil wide traces on
- HM-Zd SMA Line Card
 - 4000-6
 - 6 mil wide traces
- No Counterboring on HM-Zd connector
- Distribution of length on line cards / backplanes and associated materials important

Where We Define the Model.....



6000_Link3_Left_Channel0