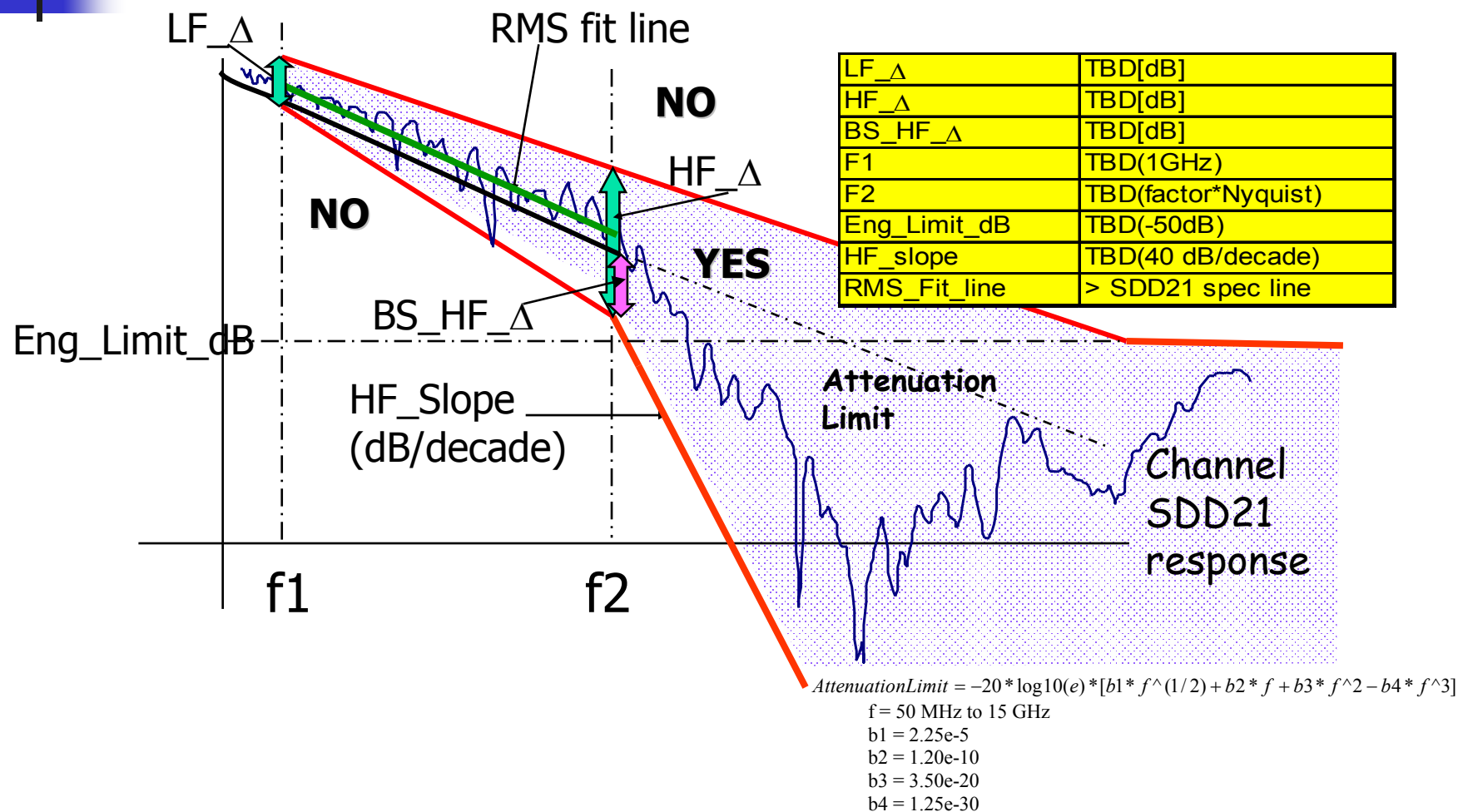
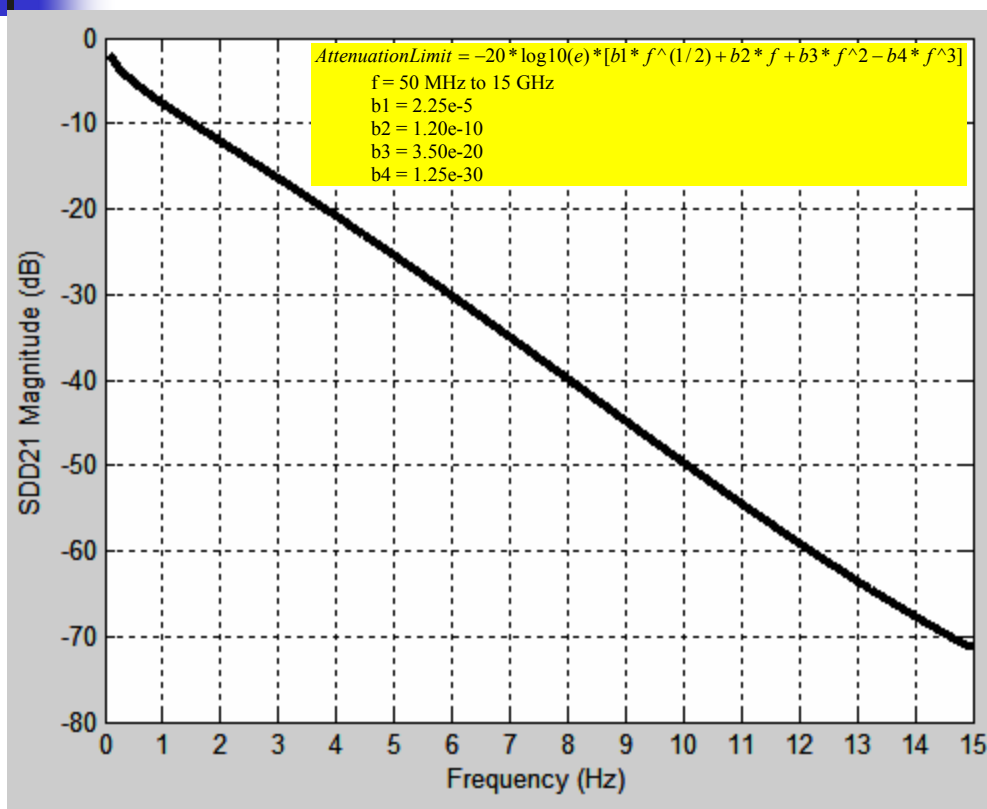


Proposal for Methodology for Determining Informative TP1 – TP4 SDD21 Model

John D Ambrosia, Tyco Electronics
Matt Hendrick, Intel



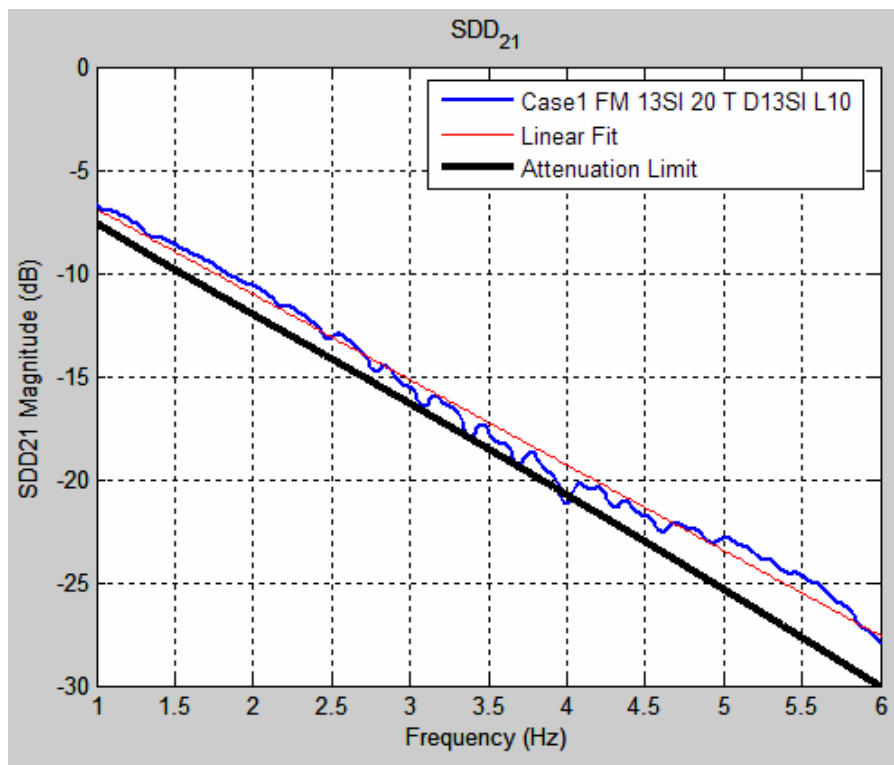
Attenuation Limit



- Attenuation Limit is for attenuation due to skin effect and dielectric losses only and does not account for ripple / nulls



Comparing Actual Channel Data



- Linear fit of channel data over a given frequency range (F1 / F2 TBD) must be above the attenuation limit.
- Example of F1 = 1 GHz and F2 = 6 GHz
- Ripples may go below the "attenuation limit" but will be bounded

How This Will Be Applied

- From results of simulations driven by Signaling Ad Hoc all channels will be analyzed.
- Use this data to then determine all parameters called out in the proposed model
- Attenuation Limit will not change.

Conclusions

- Builds on consensus around attenuation limit
- Methodology in place to create an informative model that addresses real world channel behavior
- Final informative model influenced by real world channel behavior / limitations and chosen signaling scheme