

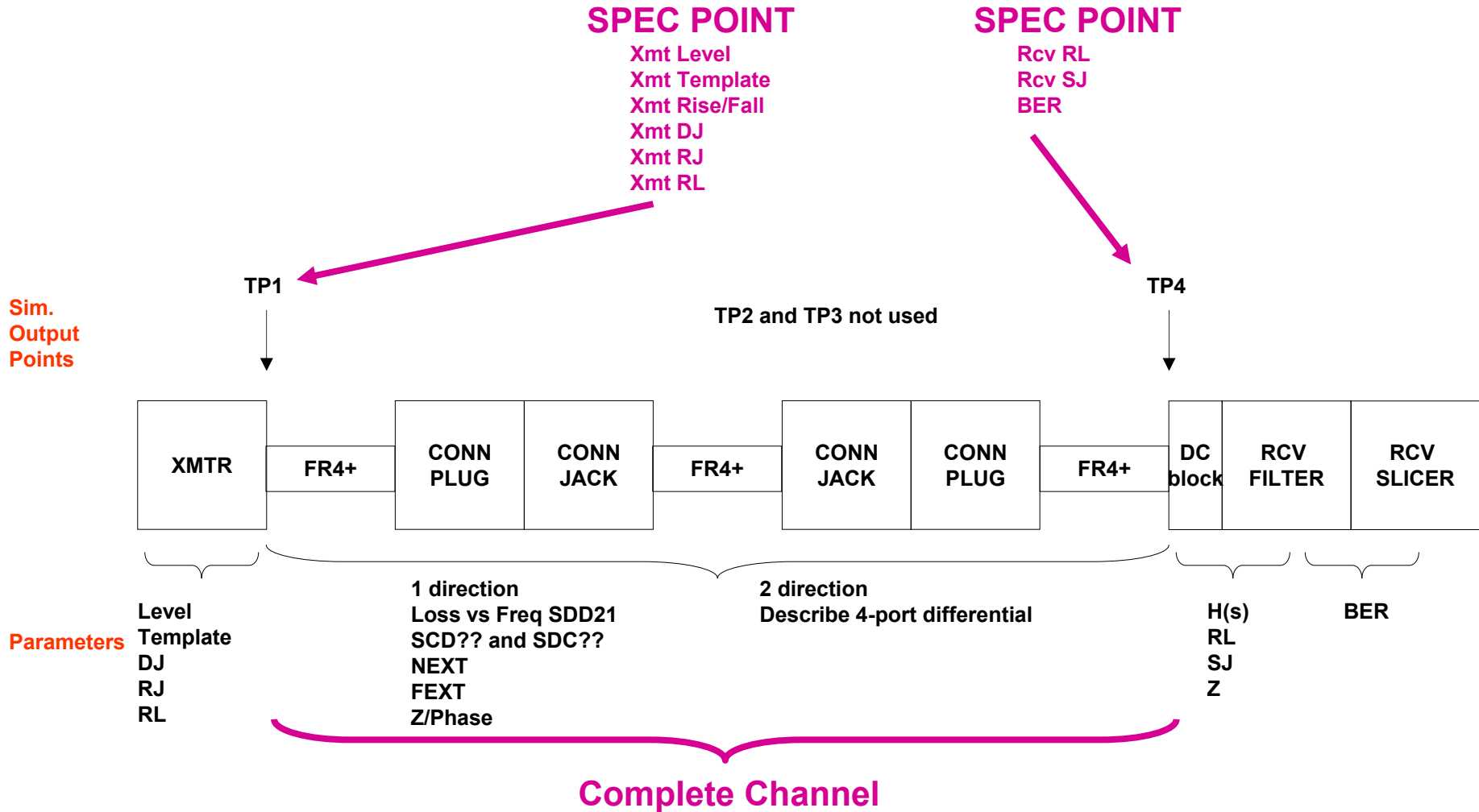
Outline – 21May04 Conference Call

- 1. Review and discuss mask approach for channel definition (Joel)
 - ◆ SDD21 Mag Mask using Four Port data. John D has input here.
 - ◆ SDD11 Mag and SDD22 Mag Masks using Four Port data
 - ◆ Group Delay Mask (input from Jeff) or equiv. Petre ... thoughts ...
 - ◆ NEXT Mag and phase for diff aggressors (input from Adam and Jeff)
- multi-disturber. (Jeff)
 - ◆ FEXT Mag and phase for diff aggressors (input from Adam and Jeff)
- multi-disturber. (Jeff)
**measurements from NEXT and FEXT should be 2port differential with open ends terminated aggressor and victim.
- 2. Discuss proposal for the interim meeting in Long Beach (Joel)

Proposed Model for Simulation from 22April04

- Straw poll: Does anyone disagree with updated diagram TP1/TP4 as an informative point for us to move forward with?
- No detractors. The TP1/TP4 points stand.

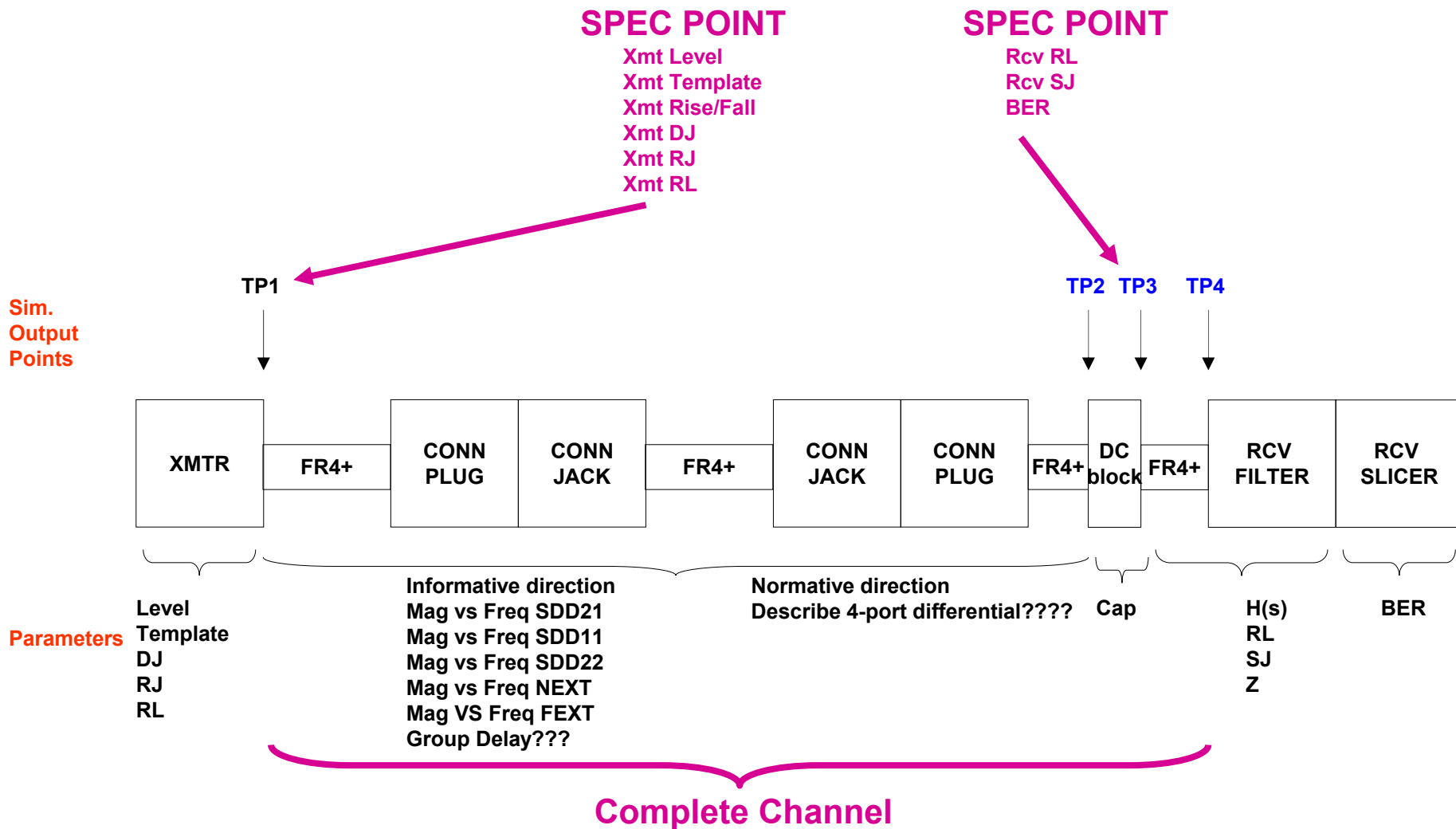
Proposed Model for Simulation from 22April04



Proposed Model for Simulation ... NO Changes ... But ???

- Measuring Return Loss at the package might be an issue.
- Measuring channels without reference to DC blocking might impede early coding evaluation.
- Not fair to assume the DC block should reside in the chip at this stage of development.
- Action Item ... when we get to RL, I would like to discuss an informative means to measure this. Perhaps we can devote a call to it

Proposed Model for Simulation ... NO Changes ... But ???



S Parameter Data from 22Apr04

- Agreed to recommend 100MHZ to 20GHZ frequency range for s-parameter analysis.
- Agreed to 12.5Gps worst case signaling speed for simulation.

2-Port to 4-Port Transformation from 5May04

- Straw Poll: Is there anyone that would not accept Graeme's presentation on 2-port to 4-port differential transformation for NEXT and FEXT?
Comment Petri: OK if we can include explanation of the effects of termination on whether the differential pairs are loosely or tightly coupled.
- Passed unopposed.
ACTION: Joel work with Graeme this to present to task force.

SDD21 Magnitude from 5May04 and 22Apr04

- Straw Poll: Does anyone disagree with using SDD21 magnitude as one of the defined mask sets?
- No disagreement. We can go forward with some kind of SDD21 mask.

SDD21 and SDD11 Magnitude from 5May04

- Straw Poll: Is there anyone that disagrees with using SDD21 and SDD11 as one of the mask sets as an informative point, understanding that the mask has to be defined well to accommodate anomalies?
- No disagreement.

FEXT Magnitude from 5May04

- Straw Poll: Is there anyone that would disagree with using FEXT mask set, similarly defined as in CX4.
- No disagreement.
- Discuss Section 54.7.5 sections 1 and 2.

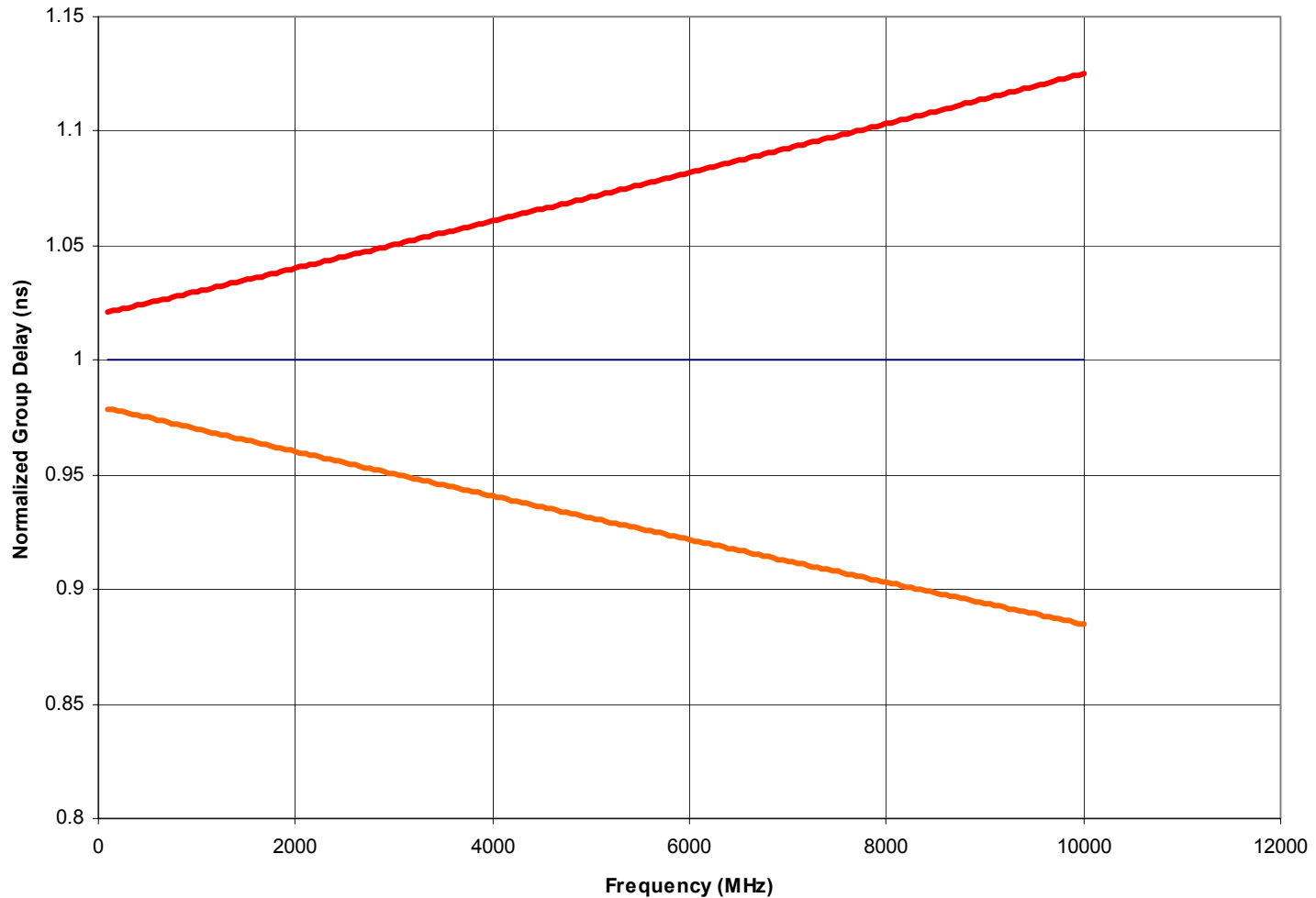
NEXT Magnitude from 5May04

- Straw Poll: Is there anyone that would disagree with using NEXT mask set, similarly defined as in CX4.
- No disagreement.
- Discuss Section 54.7.4 sections 1 and 2.

To Group Delay Ripple Mask

- Or not????

Proposed Group Delay Mask



Proposed SDD21 Channel Equation ???

