

MMF ad hoc teleconference

6th July 2012

approved minutes

Jonathan King

MMF ad hoc notes, 6th July 2012

- 8.00 am Meeting start, attendee list based on e-mailed responses from participants.
- 8.05 am Presentations and discussion
 - Kasyapa Balamarthy and Robert Lingle 'ISI, RIN and MPN Modeling: Some Clarifications'
 - Robert's preface: it's generally agreed that σ_{MPN} should be scaled by the ISI, but the question is whether the spreadsheet already includes the right amount of scaling, and what the right amount of scaling should be.
- 8.45 am
 - Petar Pepeljugin and David Cunningham – 'Mode Partition Noise'

Petar presented joint work following up last week's action item: showed that the 1010 pattern used to calculate MPN penalty in the spreadsheet is not the worst case for significant ISI. The work shows that dividing σ_{MPN} by the linear eye opening is a reasonable approximate correction for this, but more work is needed to decide what changes need to be made to the spreadsheet

There was some discussion about measuring k_{MPN} , and MPN statistics. It was felt unlikely that statistically reliable measurements of k_{MPN} would be obtainable.
- Next steps: A face to face meeting is nominally planned for further discussion at the IEEE plenary in San Diego, time and day to be decided depending on room availability.
- 9.30 am Meeting end
- Presented material will be available at <http://www.ieee802.org/3/100GNGOPTX/public/mmfadhoc/meetings/index.html>

Attendees

John Abbottt	Corning
Kasyapa Balemarthy	OFS
Piers Dawe	IPtronics
Dan Dove	Applied Micro
Mike Dudek	QLogic
Jonathan King	Finisar
Paul Kolesar	Commscope
Robert Lingle	OFS
Phil McClay	TE Connectivity
Petar Pepeljugoski	IBM
John Petrilla	Avago Technologies
Rick Pimpinella	Panduit