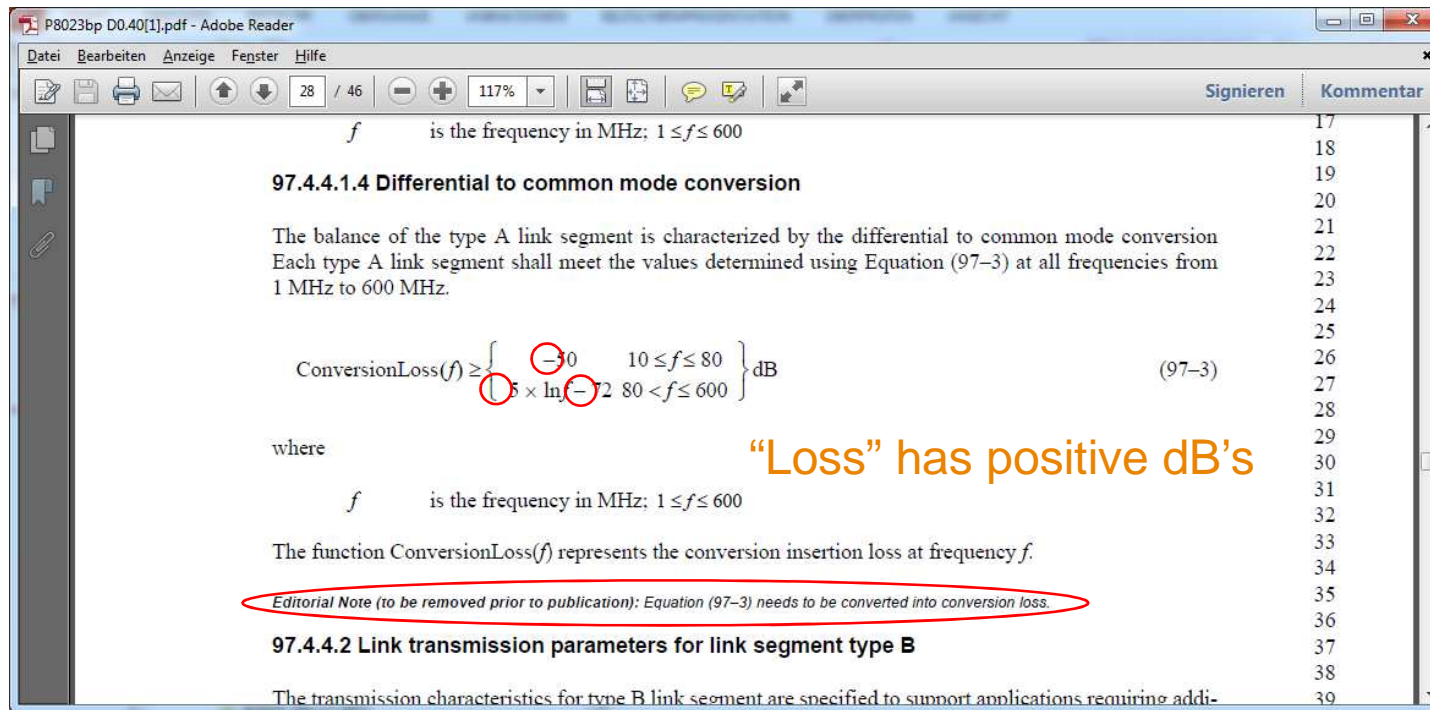

Comments for Corrections in IEEE Draft P802.3bp / D0.40, 2 July 2014

Bert Bergner / TE Connectivity

10th July 2014



Correction:

$$ConversionLoss(f) \geq \begin{cases} 50 & 10 \leq f \leq 80 \\ 72 - 5 \ln(f) & 80 < f \leq 600 \end{cases} dB$$

Recommendation: → convert *ln* to *log* to be consistent with all other equations

$$5 \cdot \ln(f) = 5 \cdot \ln(10) \cdot \log(f) = 11.51 \cdot \log(f)$$

→ resulting equation:

$$ConversionLoss(f) \geq \begin{cases} 50 & 10 \leq f \leq 80 \\ 72 - 11.51 \cdot \log(f) & 80 < f \leq 600 \end{cases} dB$$

P8023bp D0.40[1].pdf - Adobe Reader

Datei Bearbeiten Anzeige Fenster Hilfe

29 / 46 117%

Signieren Kommentar

$j = 1$

where the function $AN(f)_{j,N}$ represents the magnitude (expressed in dB) of the alien NEXT loss at frequency f of the disturbing type A link segment j (1 to m) for the disturbed type A link segment N .

The power sum ANEXT loss between a disturbed type A link segment and the disturbing type A link segment shall meet the values determined using Equation (97-7).

$$PSANEXT(f) \geq \left\{ \begin{array}{ll} 60 - 10 \cdot \log\left(\frac{f}{100}\right) & 1 \leq f \leq 100 \\ 60 - 15 \cdot \log\left(\frac{f}{100}\right) - 6 \cdot \left(\frac{f-100}{400}\right) & 100 < f \leq 600 \end{array} \right\} \text{ dB} \quad (97-7)$$

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This is an unapproved draft, subject to change

Should be "PSANEXT Loss" since dB's in equation are positive

Was relaxed to "54" by [motion in Beijing](#)

Unconfirmed_minutes_3bp_0314[1].pdf - Adobe Reader

Datei Bearbeiten Anzeige Fenster Hilfe

7 / 13 85,1%

Signieren Kommentar

Motion scheme for 1000BASE-T1111:

M: Mehmet Tazebay S: William Lo
Y: 33 N: 0 A: 5
MOTION PASSES (Technical >= 75%)

Motion 4: Move that 802.3bp adopt the "Proposed baseline" Alien NEXT specification on slide 8 of mueller_01a_3bp_0314.pdf
M: Thomas Müller S: Chris Mash
Y: 29 N: 0 A: 9
MOTION PASSES (Technical >= 75%)

Having concluded the technical presentations and the motions offered, the chair recessed the meeting to allow scheduled ad hoc meetings on Wednesday March 19, to reconvene on Thursday, March 20 at 9AM to hear ad hoc reports and any further business (e.g., motions).
Meeting Recessed at 4:14PM, to allow for ad hoc meetings on Wednesday, March 19, to reconvene at 9AM Thursday, March 20.

Correction:

$$PSANEXT \text{ Loss} \geq \left\{ \begin{array}{ll} 54 - 10 \cdot \log\left(\frac{f}{100}\right) & 1 \leq f \leq 100 \\ 54 - 15 \cdot \log\left(\frac{f}{100}\right) - 6 \cdot \left(\frac{f-100}{400}\right) & 100 < f \leq 600 \end{array} \right\} \text{ dB}$$