
40GBASE-T

Link Segment Specifications

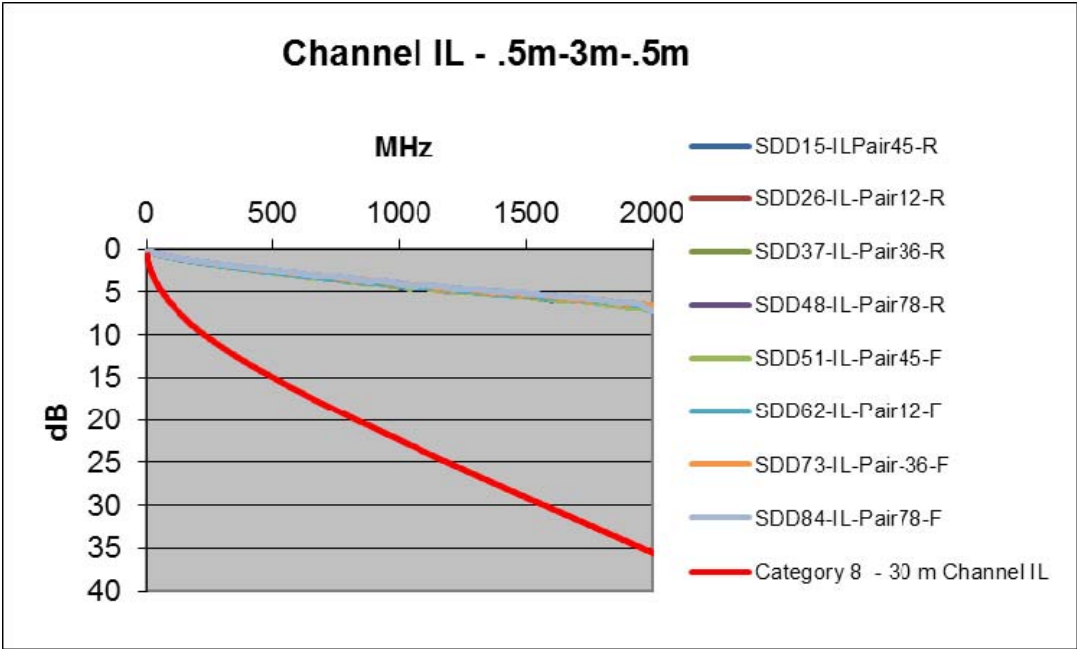
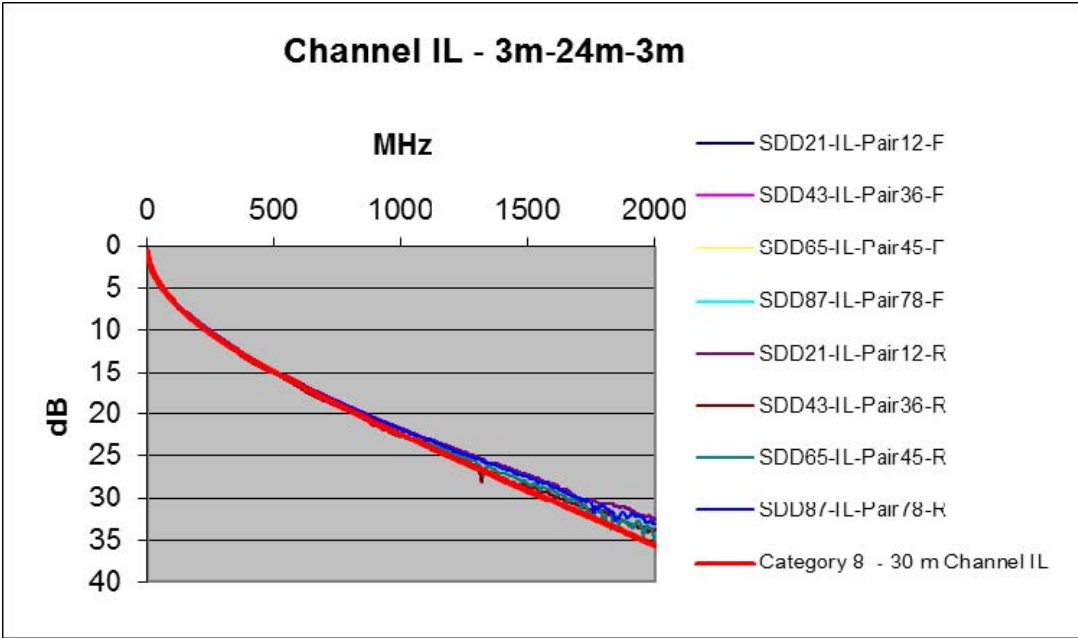
York, UK
2013

Chris DiMinico
MC Communications/Panduit
cdiminico@ieee.org

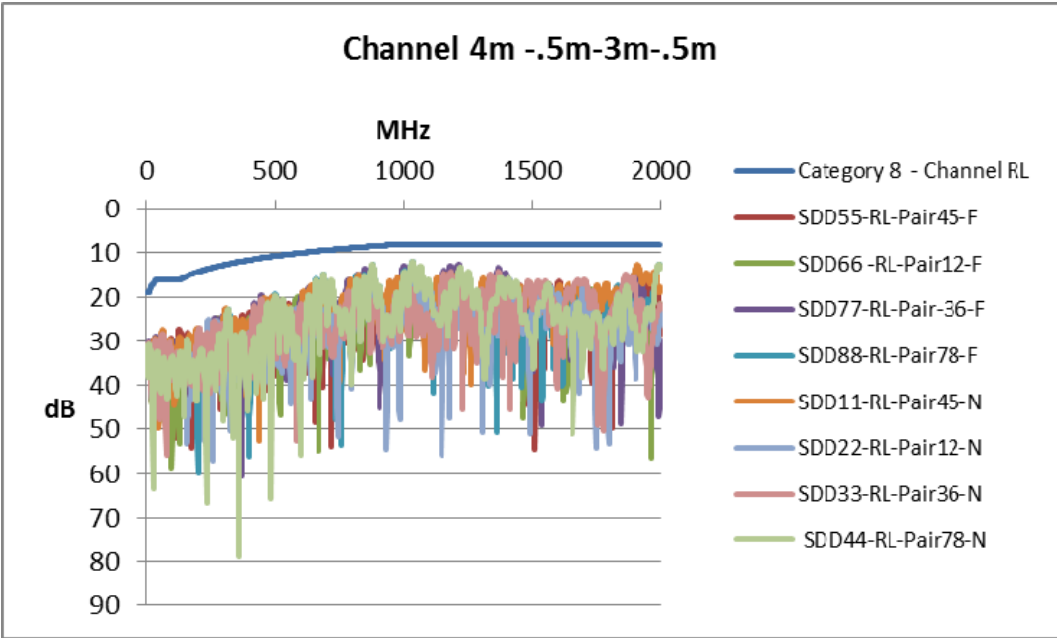
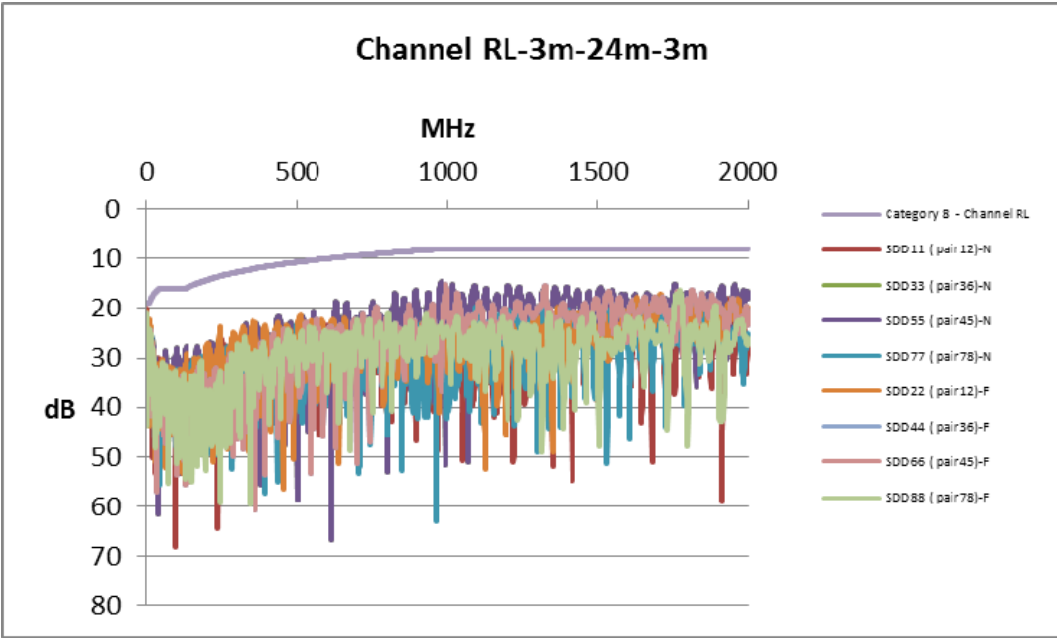
Purpose

- **Cabling ad hoc in process of collecting measurements on targeted topologies for purpose of phy modeling.**
 - **3m-24m-3m**
 - **0.5m-3m-0.5m**
 - **1m-3m-1m**
- **Presentation of submitted measurement results**
 - **3m-24m-3m**
 - **0.5m-3m-0.5m**
- **Conclusions and suggestions on use of measurement models.**

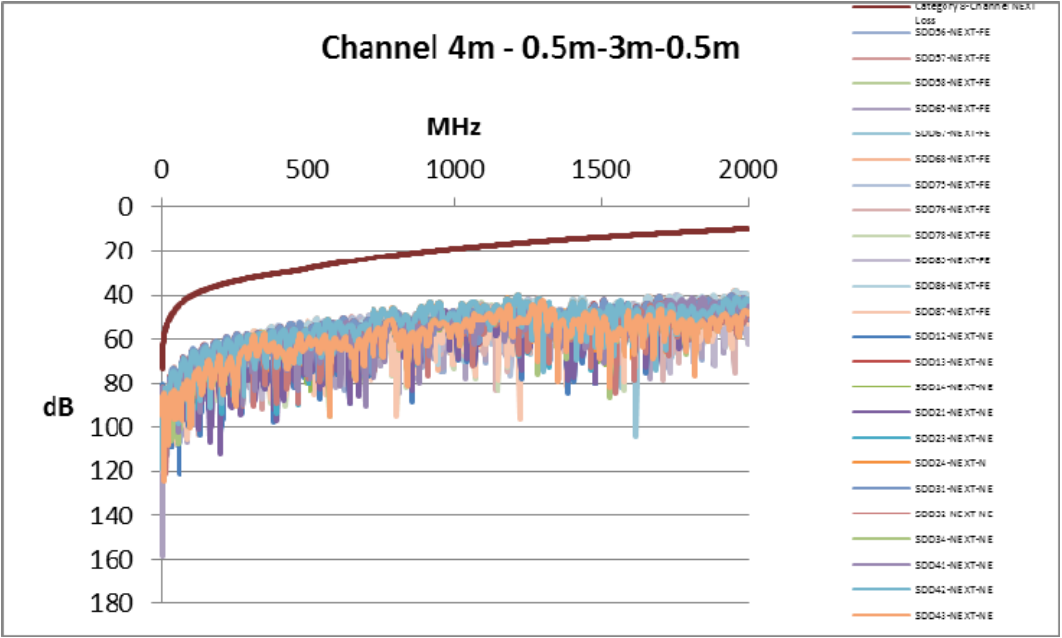
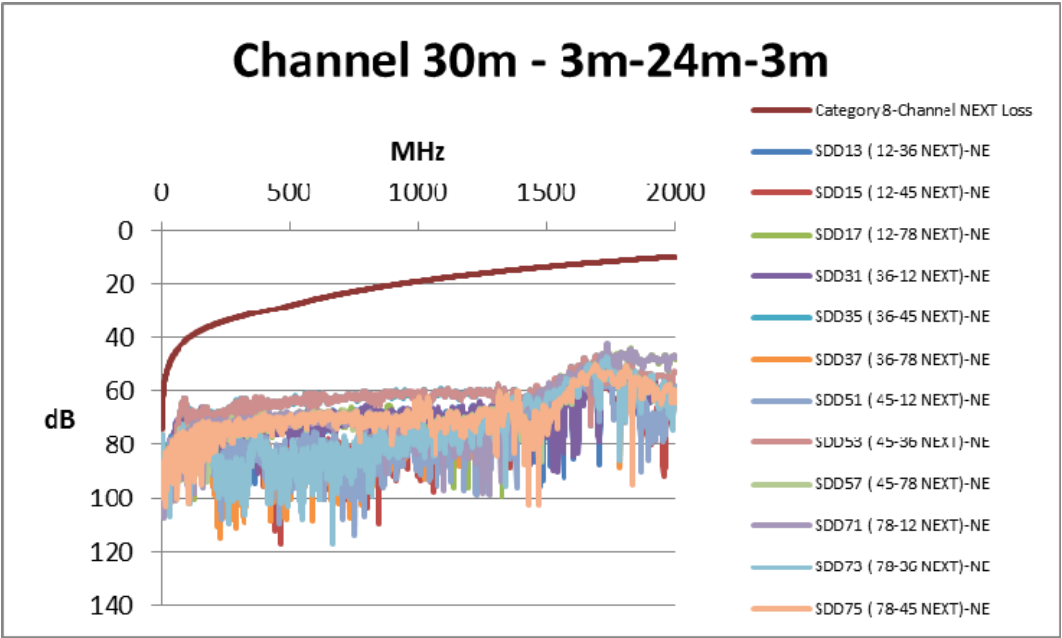
Channel insertion loss – 30m and 4m



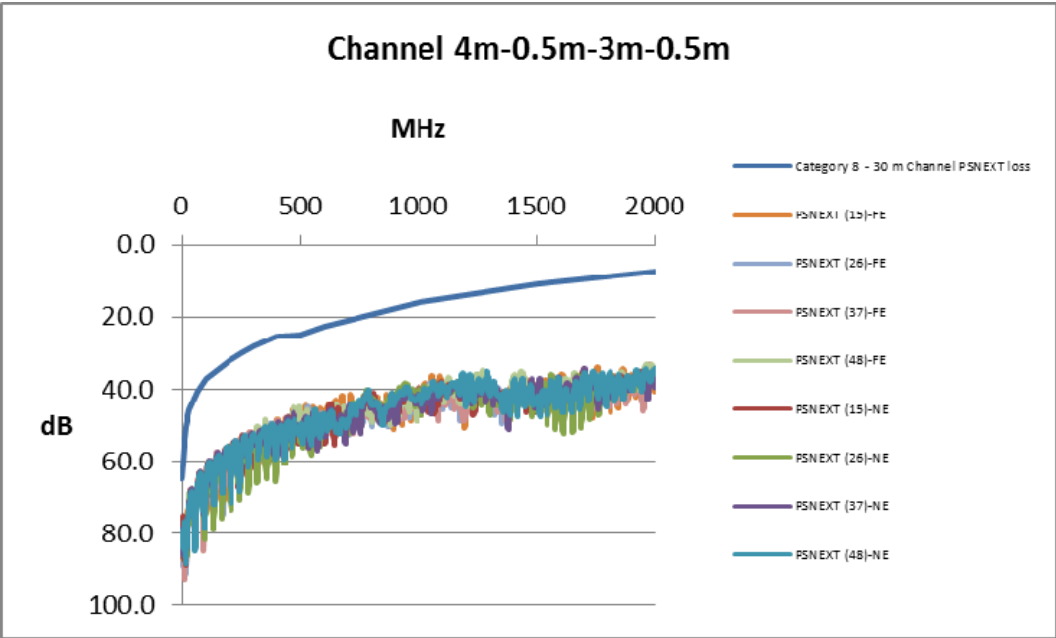
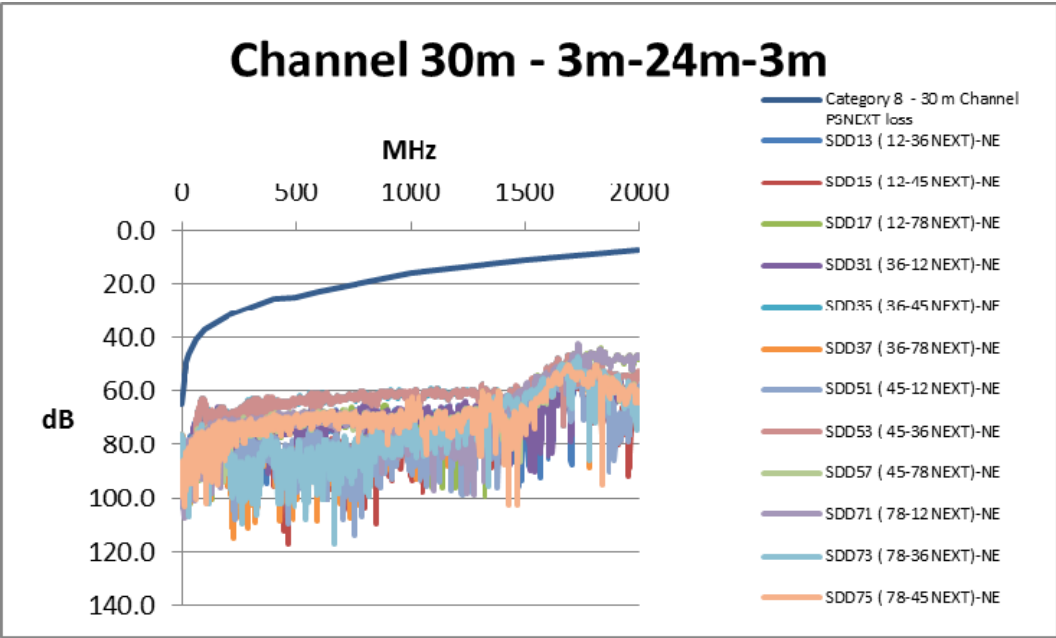
Channel return loss – 30m and 4m



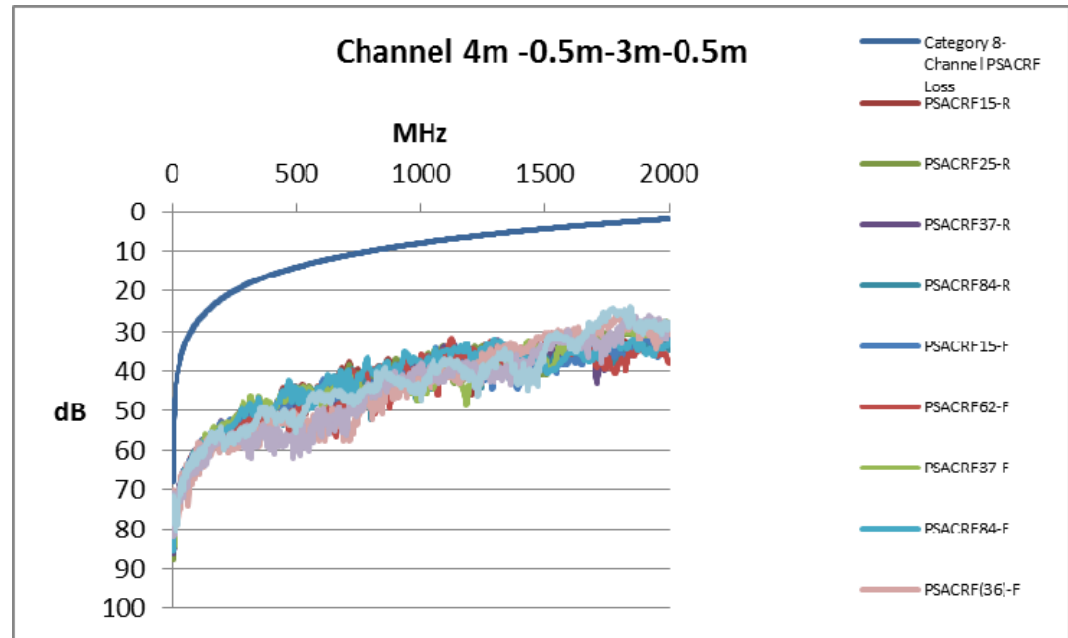
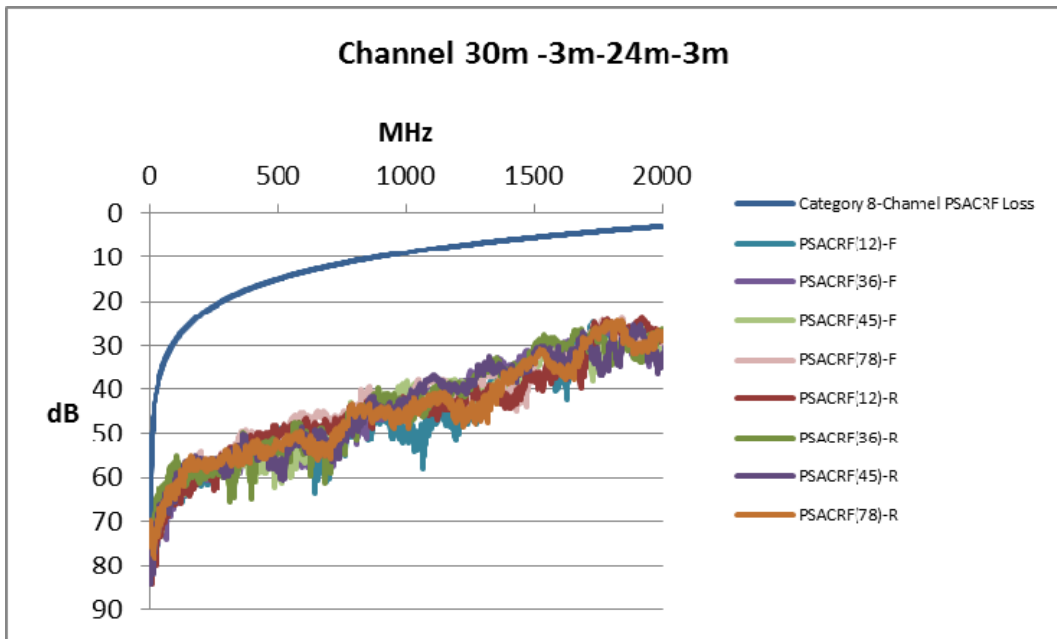
Channel NEXT loss – 30 m and 4 m



Channel PSNEXT loss – 30 m and 4 m



Channel PSACRF – 30 m and 4 m



Conclusions and suggestions

- **Measurements of targeted measurement topologies demonstrate margin from category 8 draft standard.**
- **Phy modeling should include assessment of measurement channel data as submitted (i.e., not scaled to limits) in order to provide feedback to cabling standards of any benefits to improvements of draft limits.**