

**Category 8 Short Channel Performance Demonstration
Using Multiple Sourced Prototypes
of Cabling and ICM**

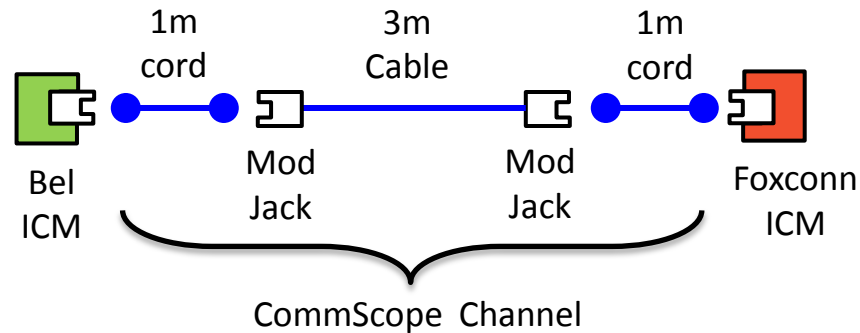
B. Moffitt
CommScope Systems Engineering

Supporters:

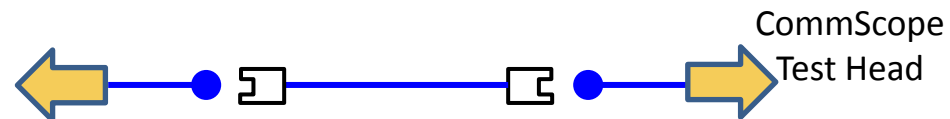
Victor Renteria
Steve Sedio

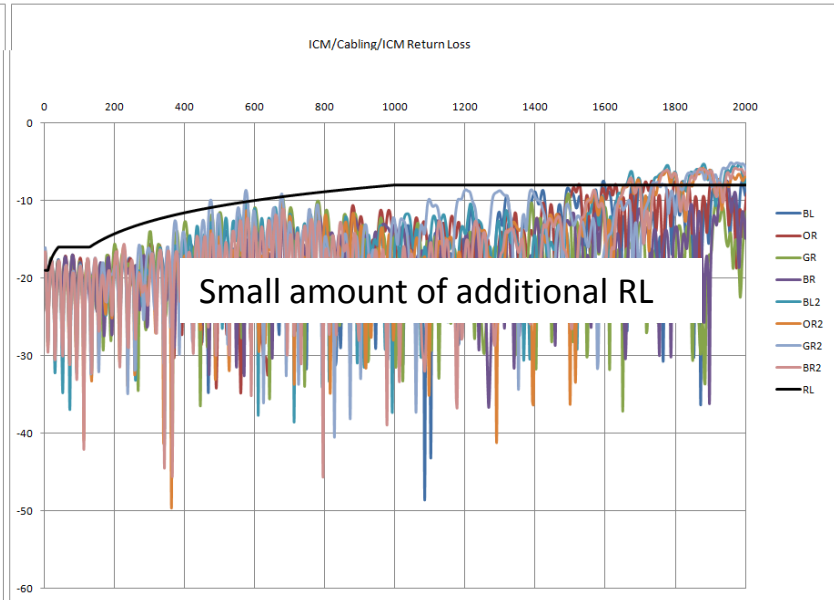
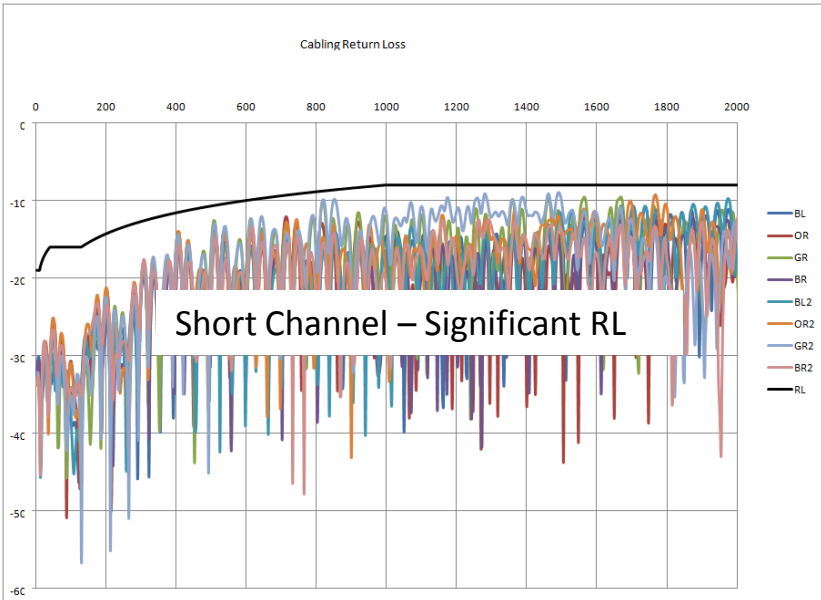
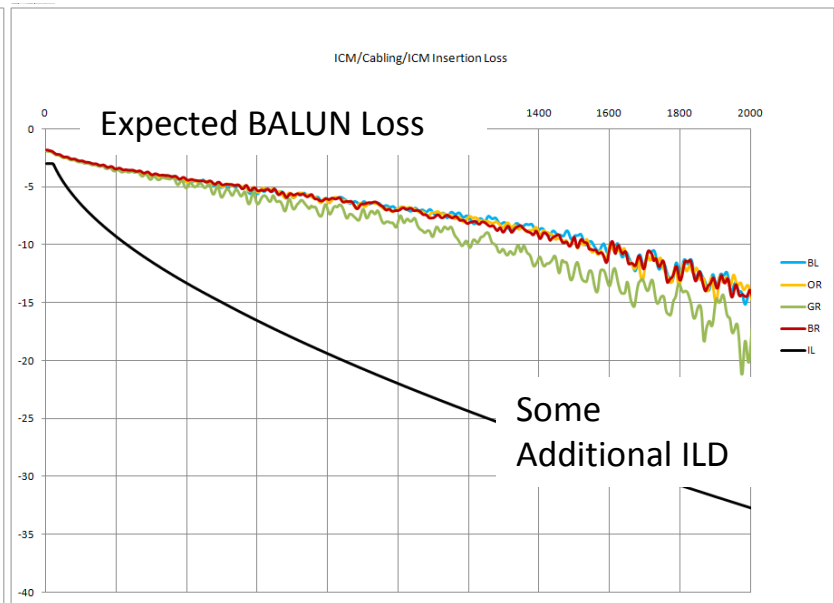
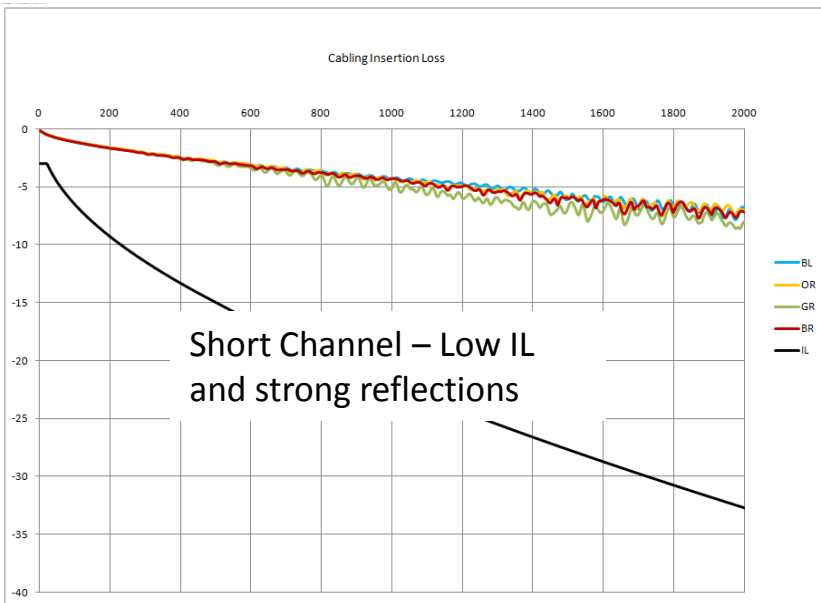
CommScope Prototype Category 8 Short Cabling Link measured two ways

Through ICM from two different manufacturers as PHY chip to PHY chip:

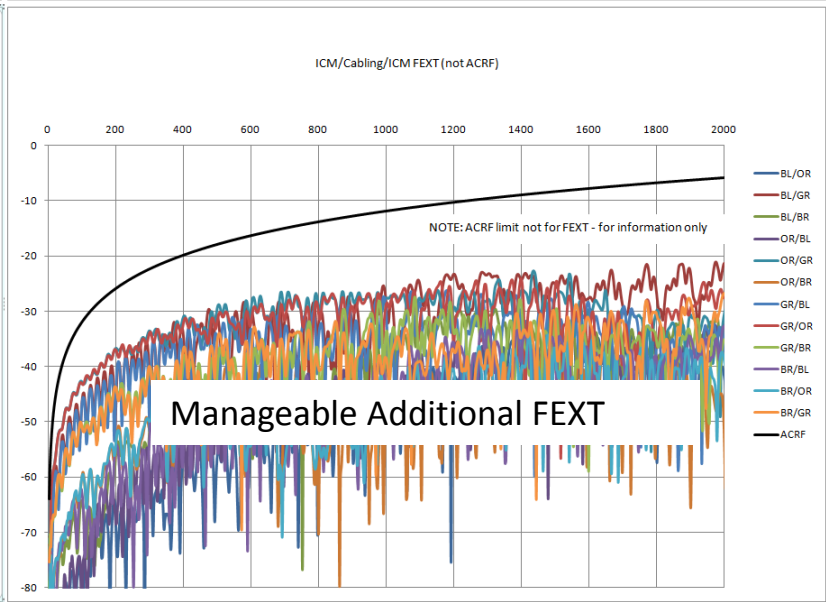
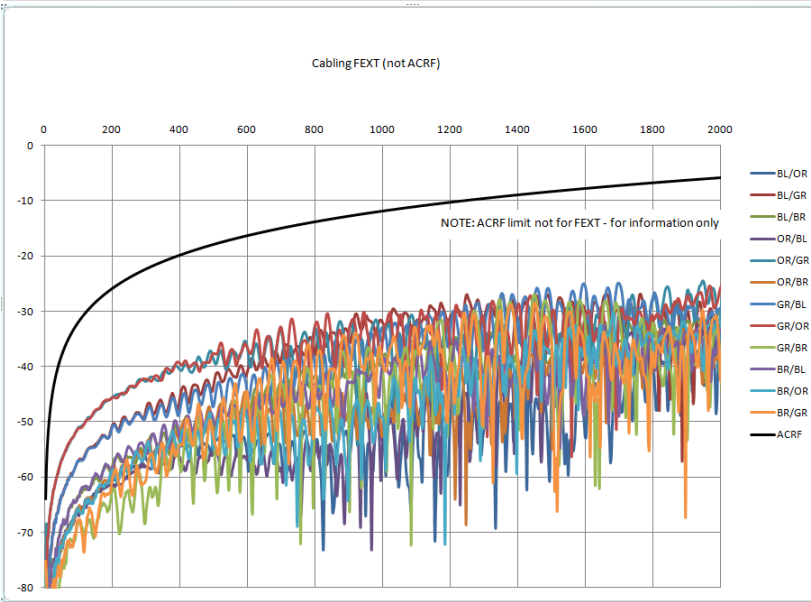
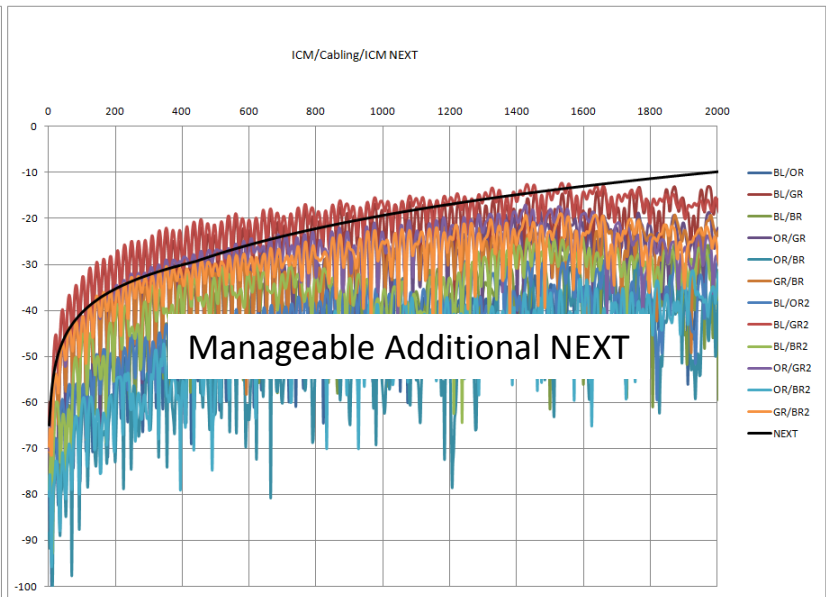
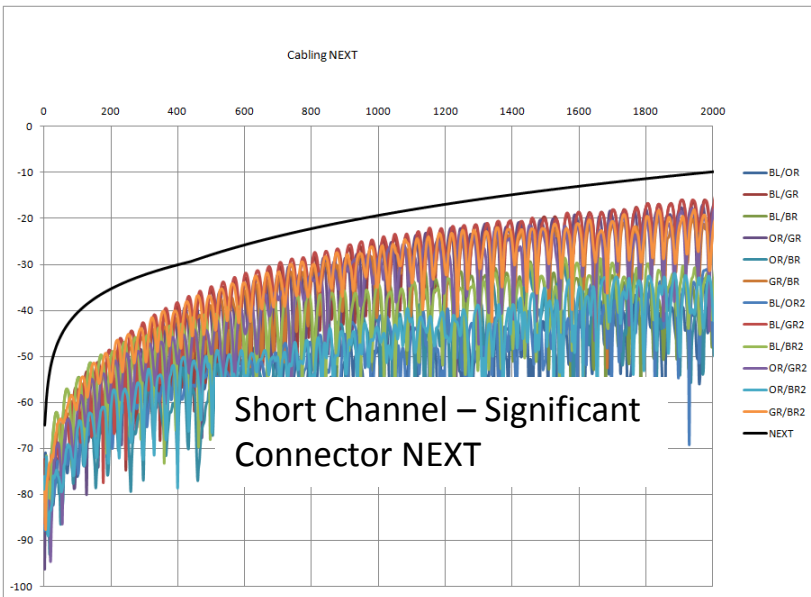


With end plugs removed as measured for TIA compliance:





Side by side Insertion Loss and Return Loss



Side by side NEXT and FEXT

Conclusions:

- Excellent results in support of ongoing work on 802.3bq and PN-568-C.2-1 demonstrated with critical short channel
- 4 primary cabling performance parameters significantly maintained by the ICM
- Demonstrated compatibility with independent prototype designs from 3 different suppliers