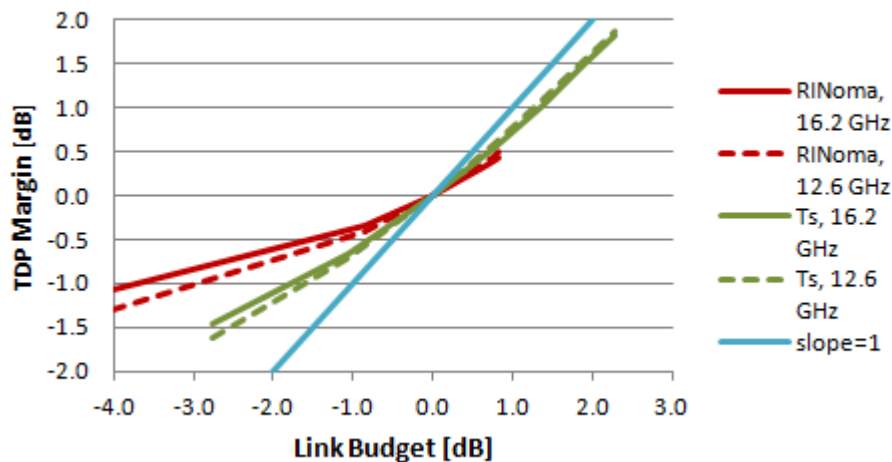
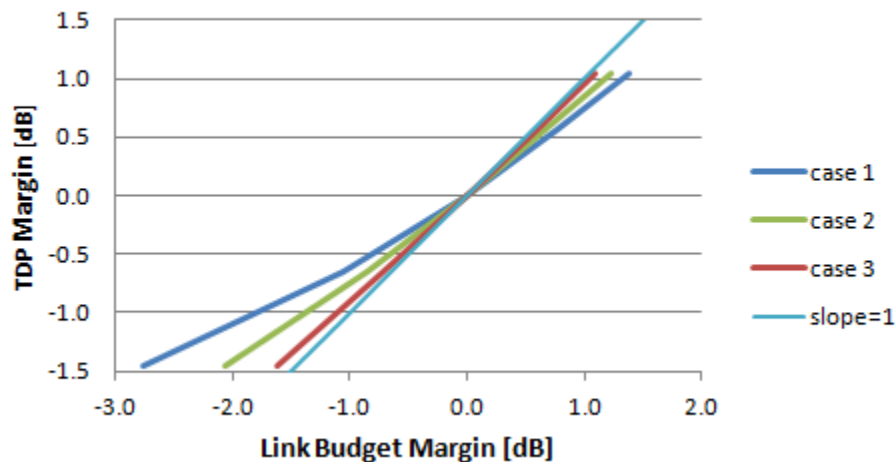


100G 100m SR4: Why MMF & SMF yield TDP differences

TDP vs Link Model Margin: DJ, RIN, tr/TF



Margin (TDP vs Link Model) for tt[17:25 ps]



•Above it was shown that while SMF yields a one-to-one alignment between link model margin and TDP, MMF does not.

•The top left chart is a repeat of MM cases with a slope of one line added.

•The top right chart shows three link model cases: case 1 = original WC link model, case 2 replaces Rx from original link model with one with same jitter and BW as the Ref Rx in TDP test, case 3 = case 2 and zeroes out BLW, Pmn and Pmpn.

•As shown in the bottom right chart, the difference in link budget margin and TDP is due to absence of BLW, Pmn and Pmpn that are not captured in the TDP test and differences between the Ref Rx and WC Rx.

Pcross vs tt: Base and TDP cases

