

Np Proposal for 802.3ck RX ITOL

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Sept 8, 2020

RX ITOL Np Setting Principles

- Np should be set equivalent to the reference RX EQ capability
- Dp should equal to the pre-tap length set in the COM +1
- For KR and CR, a fixed reference RX equalization capability is difficult to establish, due to the fix + floating DFE tap architecture in the reference RX, Np = 29 is chosen in light of the CEI-112G-LR-PAM4

RX ITOL Np Setting Proposal (in red) and Comparisons

Parameter	TX Np	RX Np	TX Dp	RX Dp	Notes
802.3ck (KR)	200	29	4	4	TX has no SNR ISI
802.3ck (C2C)	200	10	4	4	TX has no SNR ISI
802.3cd (KR)	200	13	2	2	TX has no SNR ISI
802.3bs (C2C)	200	13	2	2	TX has SNR ISI
CEI-112G-LR-PAM4	29	29	4	4	TX has no SNR ISI
CEI-112G-MR-PAM4	18	18	3	3	TX has no SNR ISI