

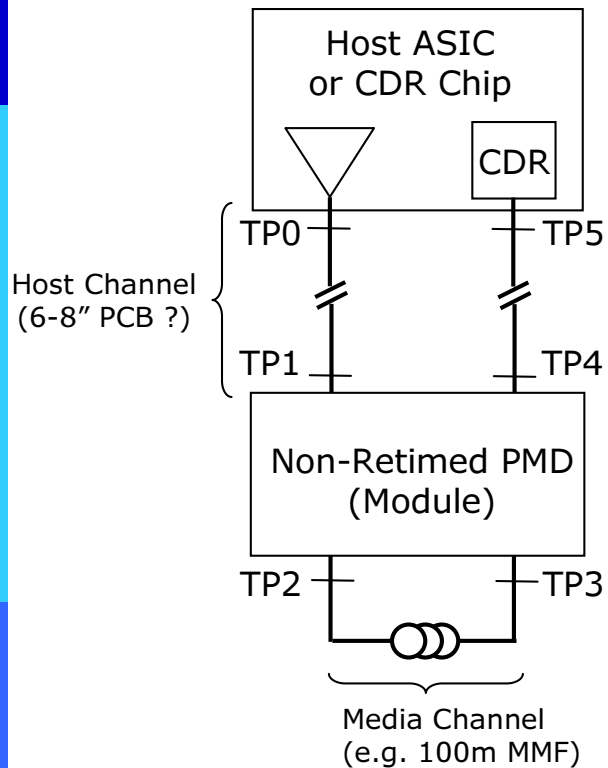


Observations on Electrical Definition for Non-retimed PMD Service Interface

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Non-Retimed PMD Service Interface

from nicholl_01_0508



- TP2 /3 are normative (no discussion)
- Discussion around also making TP1/4 normative
- Argument appears to be that we can't define TP2/3 without also defining TP1/4
- But by the same argument we can't define TP1/4 without also defining TP0/5, and the host channel
- TP0 to TP5 must accommodate "2 x host channel + 1 x media channel"
- SFI (SFP+) is an example of a TP0 to TP5 spec
- Side Note: XL/CUI only has to accommodate 1x host channel (but channel may be longer)

Summary

- If the TF decides to define TP1/4 as normative then it should also define TP 0/5 as normative (i.e don't do half the job)
- If the reason for making TP1/4 normative is for a module interface, then we also need to define a reasonable (useful) host channel between TP0/5 and TP1/4, e.g. between 6-8”