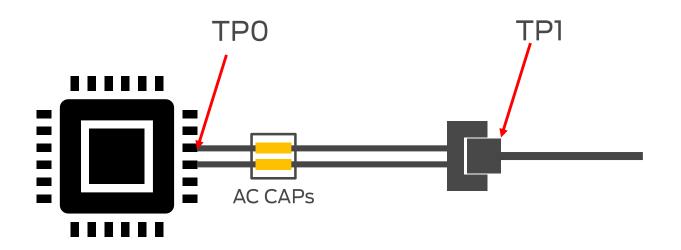
IEEE 802. 3CY - BEYOND 10G ELECTRICAL AUTOMOTIVE ETHERNET PHY TF

MDI PARAMETERS

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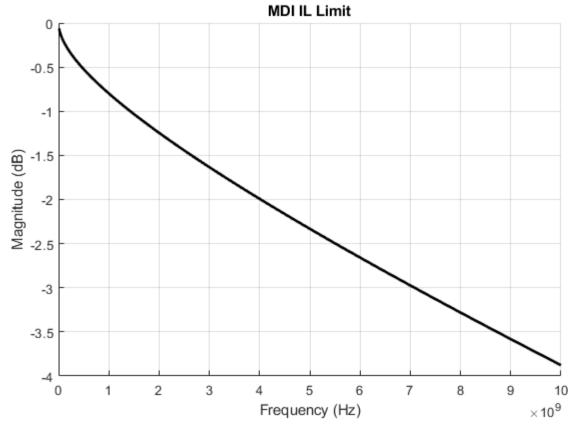




- These are the proposed TPs for the MDI
- Based on the analysis from <u>Kadry 3cy 01a 03 01 21.pdf</u>, The recommended PCB insertion loss is 3dB @ 7031.25MHz from TP0 to TP1.
- TPO is at the PMD output, IC pin and PCB solder pad
- TP1 is the output of the MDI connector. Measurements at this point will most likely require a test fixture



This is a preliminary plot for the recommended MDI IL limit



$$IL = 0.2 * \sqrt{f(GHZ)} + 0.066 * f(GHZ)$$



Discussion Points

- Should we specify TPs for the AC coupling and PoDL?
- With power requirements is PoDL still a feasible option to include for this specification?
- Need to specify MDI electrical parameters
- Do we specify test fixtures and test fixture performance?



Thank you!



