

Annex 98A

Introduction

This annex describes the test methodologies used to measure the 1000BASE-T1 link segment differential to common mode conversion loss (SCD12/SCD21) specified in 98.4.4.1.4.

Test Configuration and Measurement

The common mode conversion loss is measured in a specified test environment to ensure repeatability; illustrated in Figure TBD. The 1000BASE-T1 link segment (TBD length) is placed on a reference plane raised (1,5,TBD) centimeters from the surface of the ground plane. To avoid ground-plane edge effects the 1000BASE-T1 link segment (TBD length) must be (3,15,TBD) centimeters from the edge of the ground plane, this same spacing is used between adjacent sections of the same link segment to avoid unwanted coupling. The test fixtures used in the measurement conform to the test fixture specifications in clause TBD.

Editor's note: Include, either in the Annex or in the test fixture sub-clause, allowance for 3-port common mode conversion loss measurements when equivalency has been demonstrated.

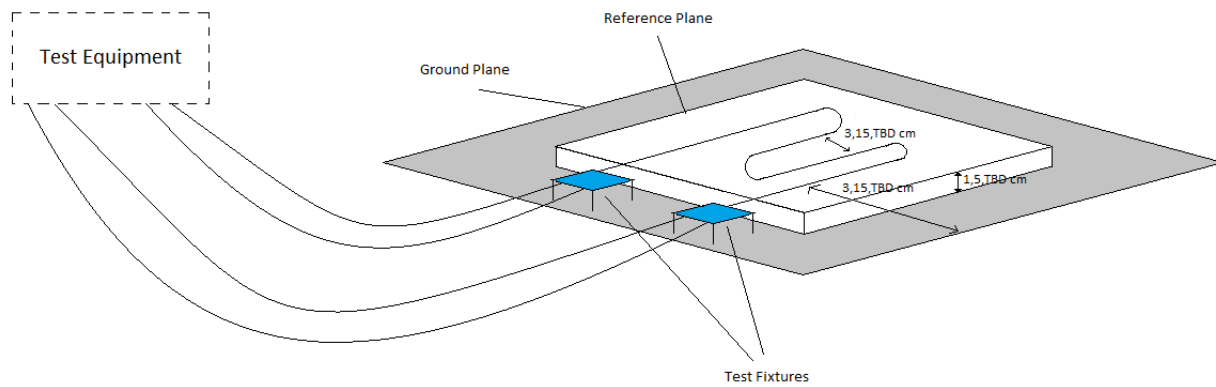


Figure TBD