

EMC Project II

Layer Peeling Algorithm

Issue: 2012/04/11

Due: 2012/05/10

1. Please read the paper for project II and repeat the “layer peeling algorithm” in this paper based on MatLab or C++ coding environment.
2. Design an arbitrary non-uniform transmission line in microstrip line type. Obtain the simulated TDR response $v(t)$ using commercial tool, such as Ansoft or ADS, and reconstruct the impedance profile of this non-uniform transmission line. Please discuss the accuracy of the extracted impedance profile.

Please deliver a complete report with the simulated codes included.