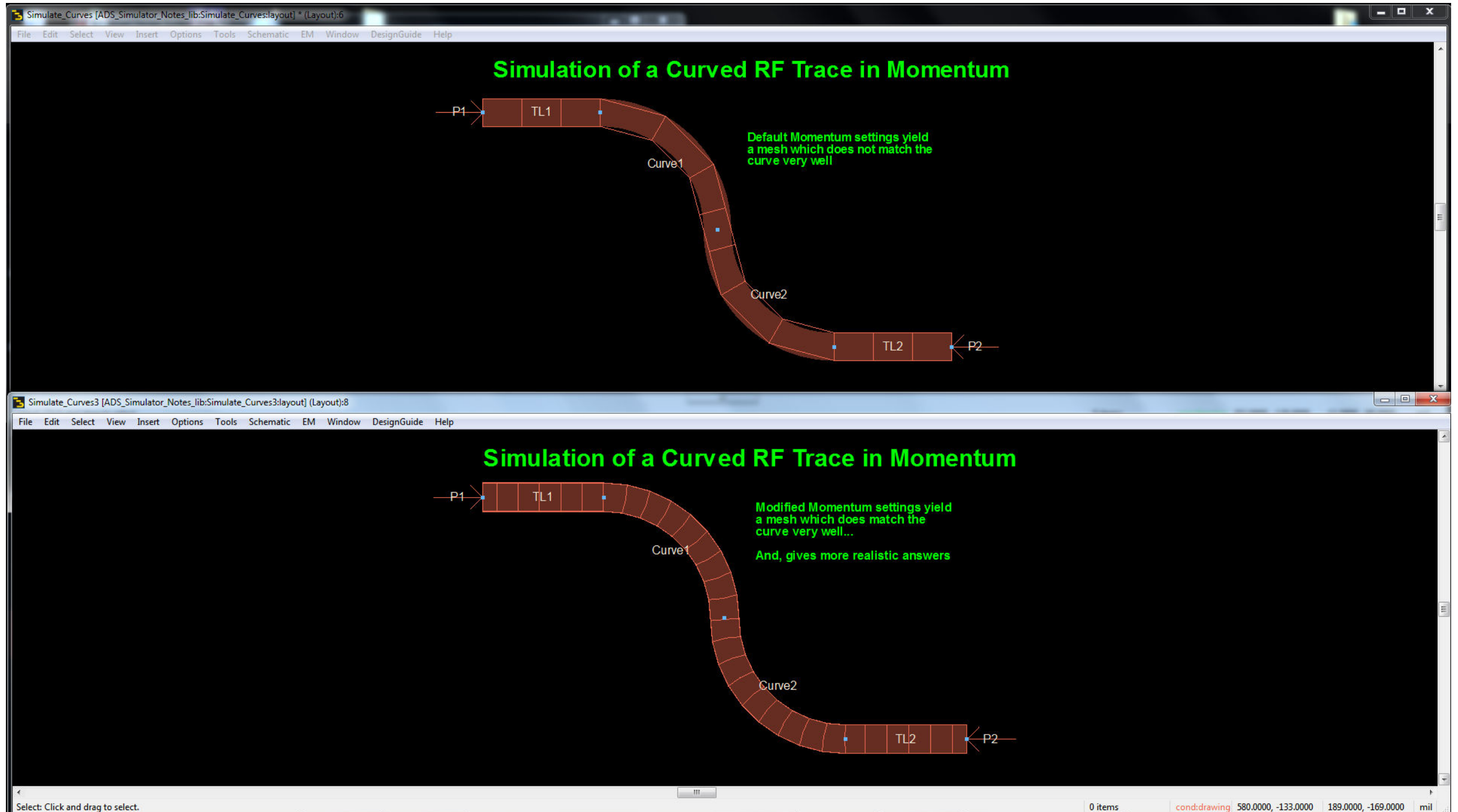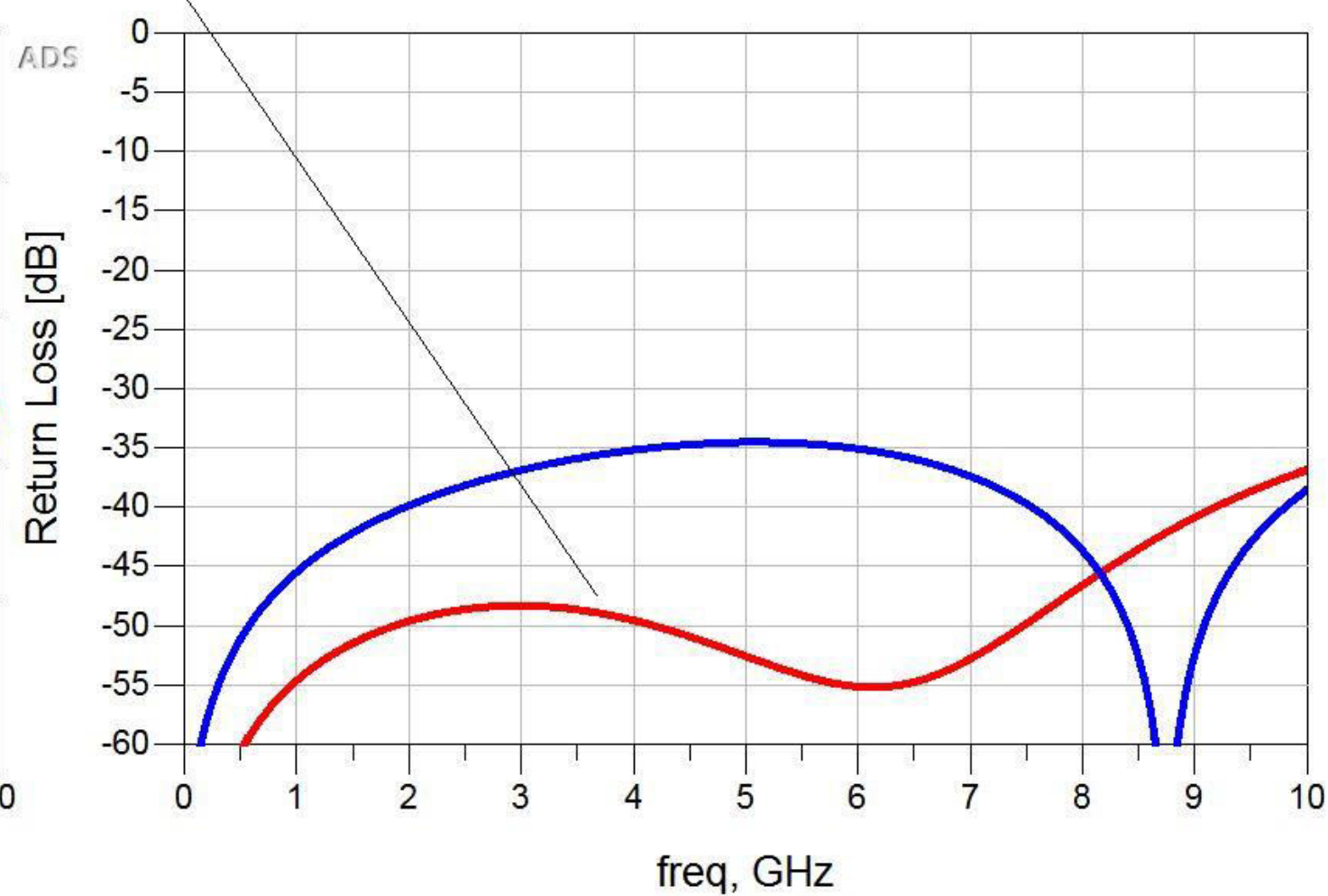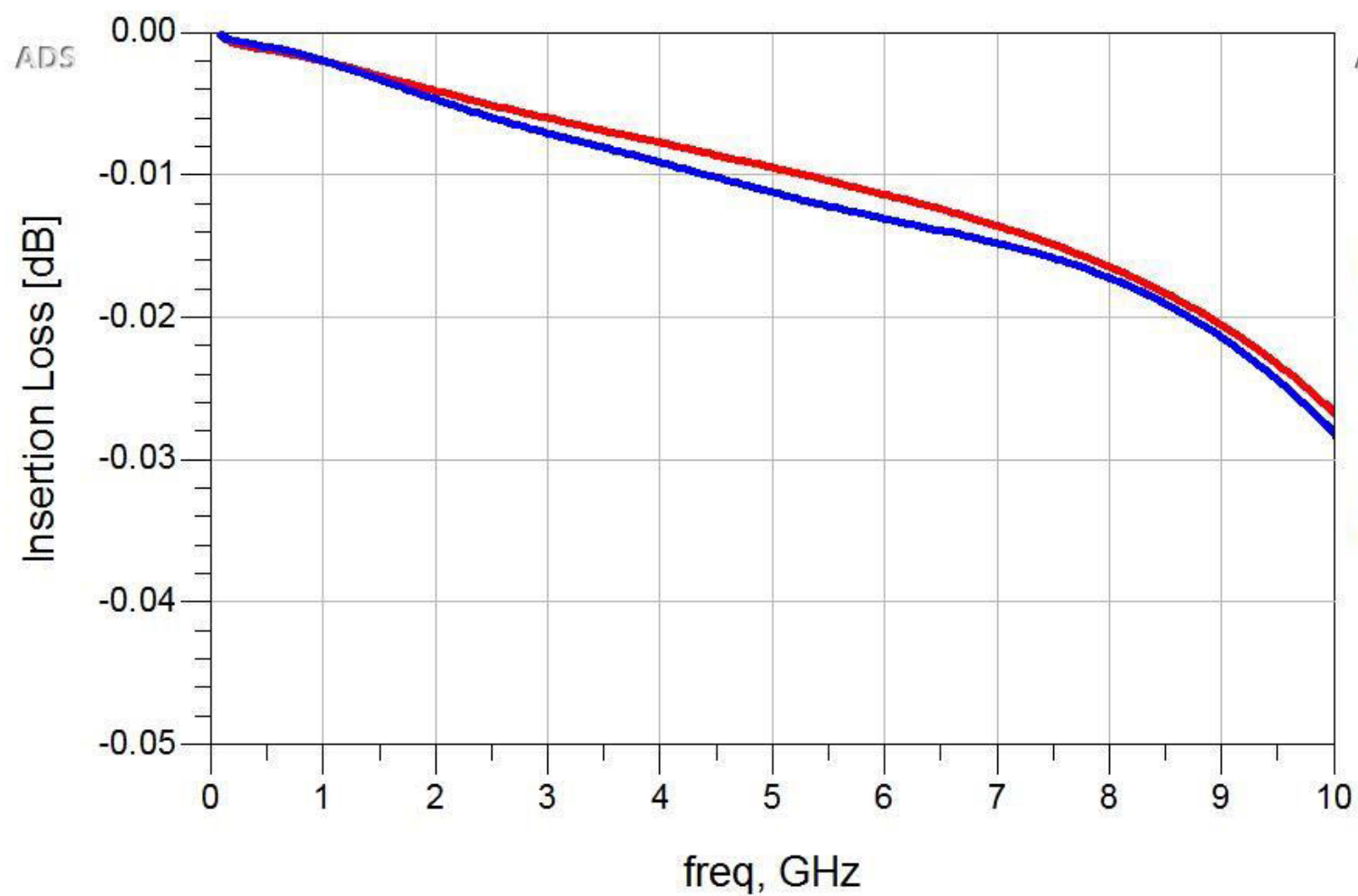# Simulate Curved RF Traces Correctly In Momentum
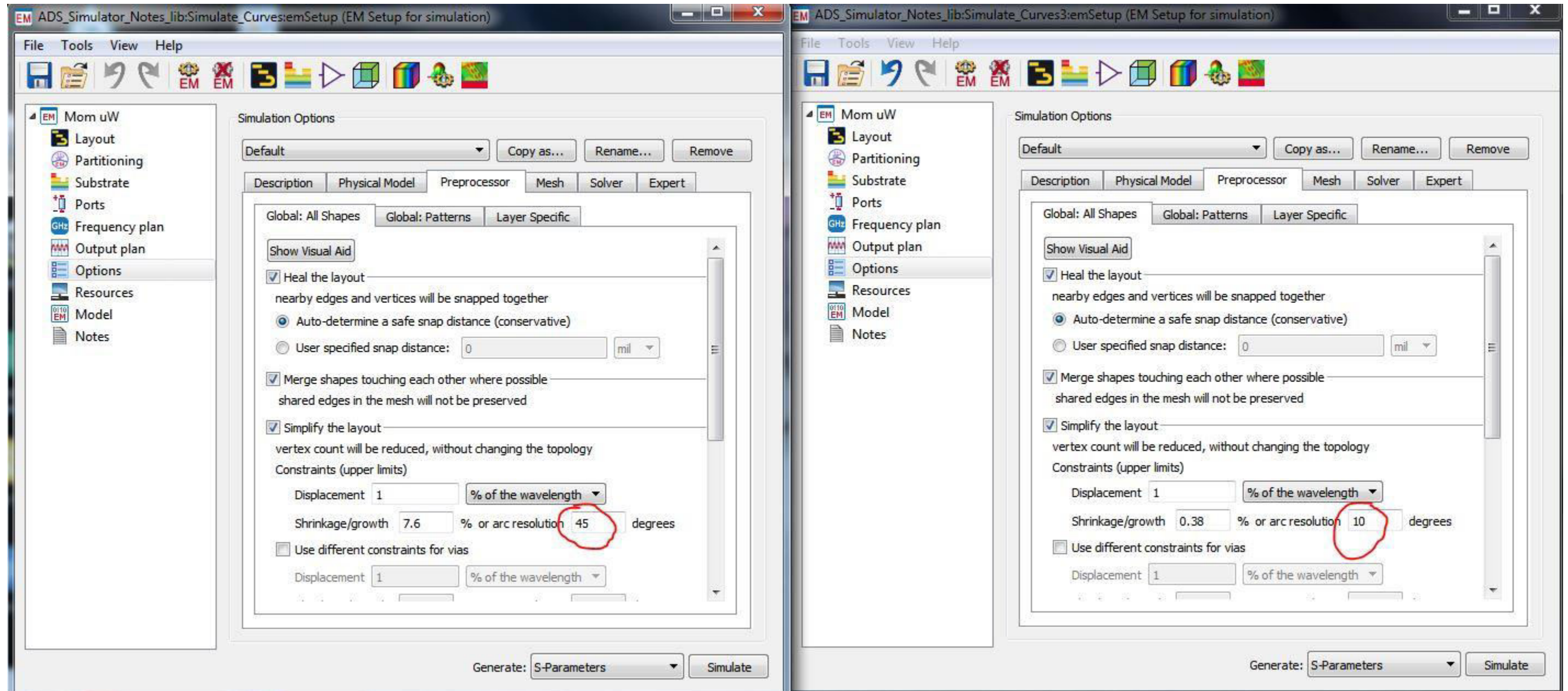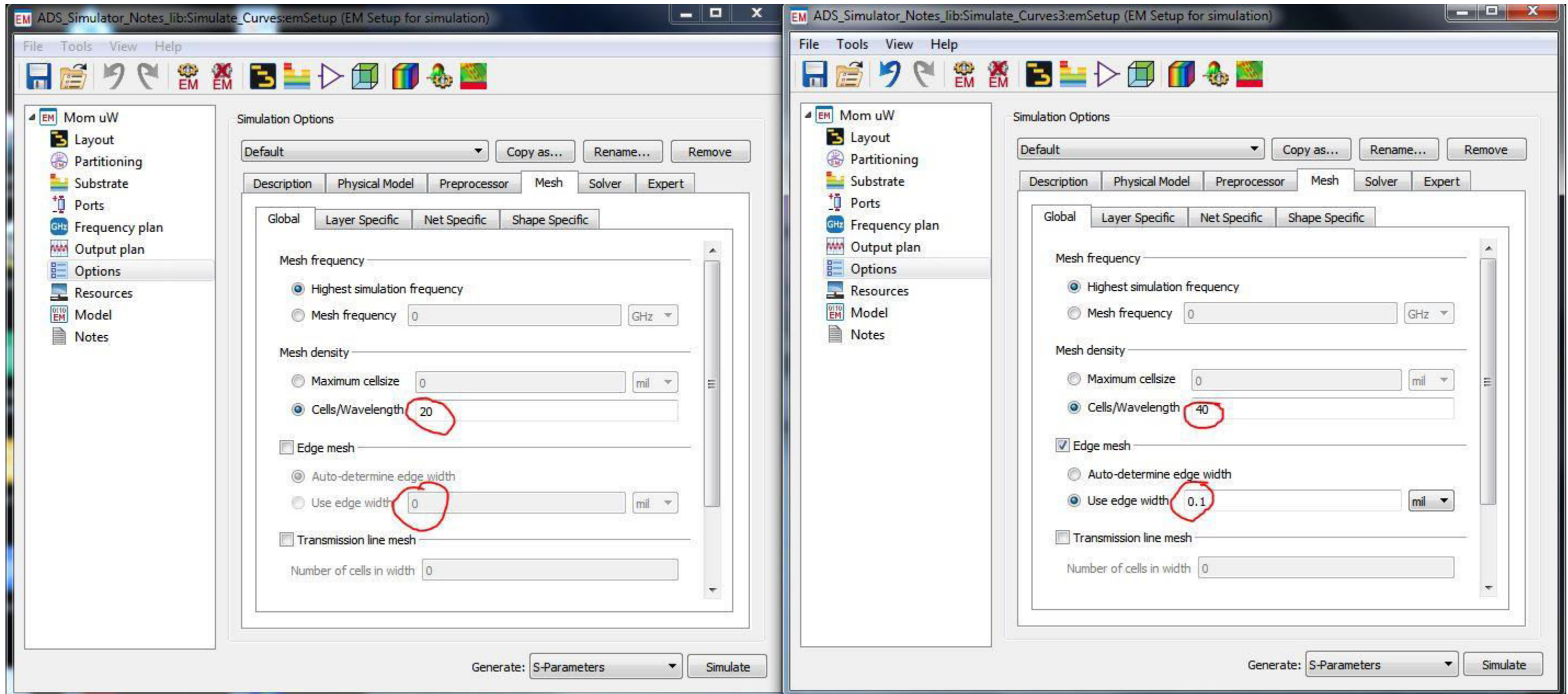
2/7/2018 MTD

the poor curve mesh (default Momentum settings) yields an overly optimistic return loss answer

The default Arc Resolution of 45 degrees is set too high...set it lower to 10 degrees:

The default mesh settings on the left are not set properly for the curved trace…adjust per the right side:

Conclusion: Using the default Momentum settings yields fast but unrealistic answers. As with all Electromagnetic Simulators, it is necessary to spend a considerable amount of time familiarizing yourself with and adjusting simulator settings in order to find the settings which yield the best trade-off between simulator accuracy and simulation time.