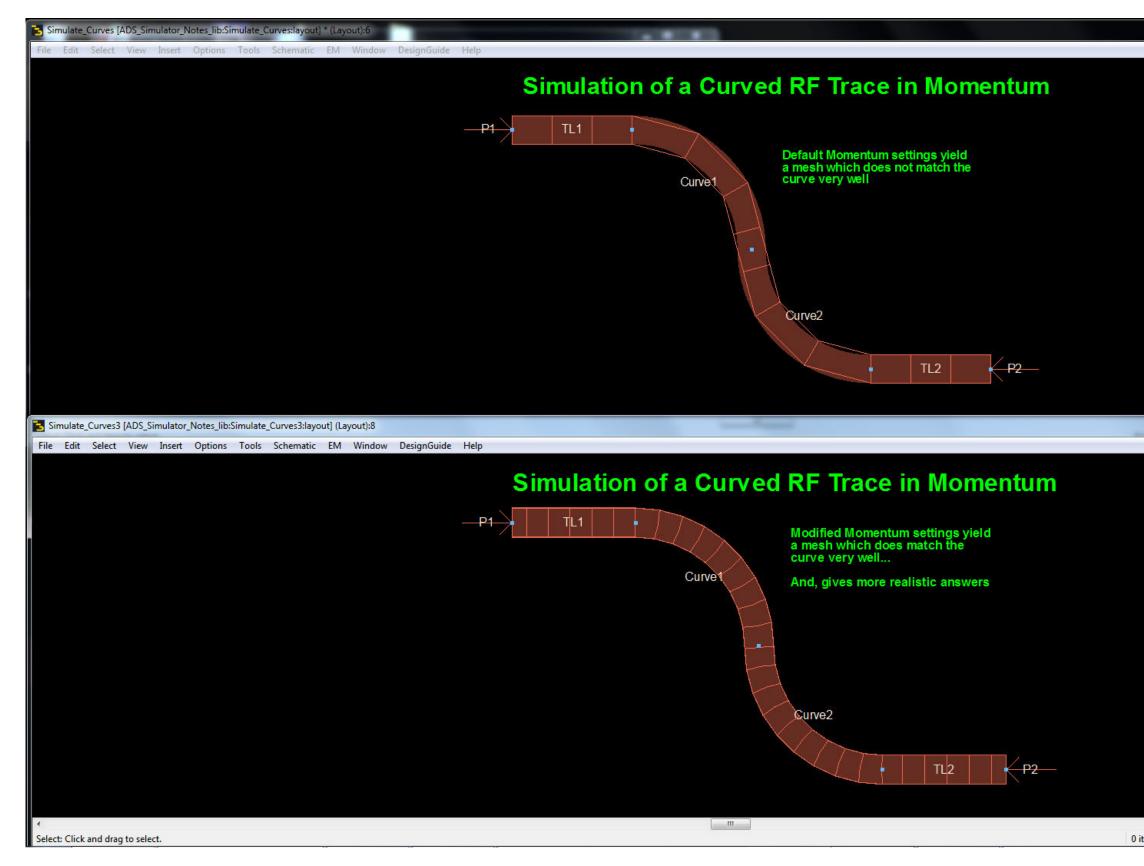
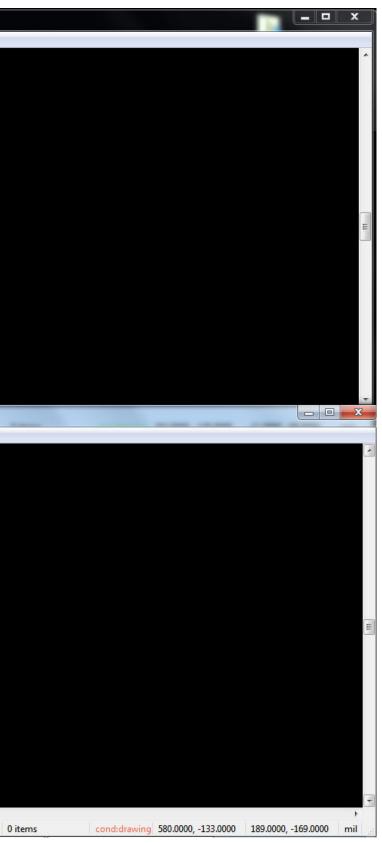
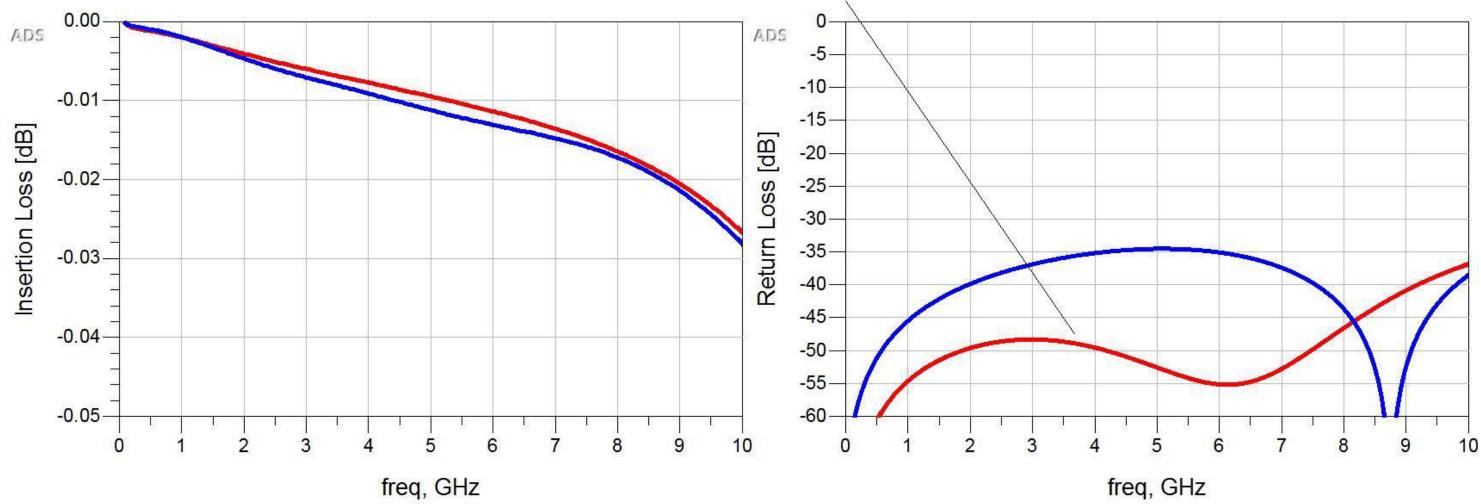
2/7/2018 MTD





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:

EM ADS_Simulator_Notes_lib:Simu	ulate_Curves:emSetup (EM Setup for simulation)	ADS_Simulator_Notes_lib:Simulate_Curves3:emSetup (EM Setup for simulation)		
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The default mesh settings on the left are not set properly for the curved trace...adjust per the right side:

ADS_Simulator_Notes_lib:Sim	ulate_Curves:emSetup (EM Setup for simulation)	EM ADS_Simulator_Notes_lib:Simulate_Curv	ves3:emSetup (EM Setup for simulation)		
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Generate: S-Parameters Simulate Generate: S-Parameters Simulate					

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.