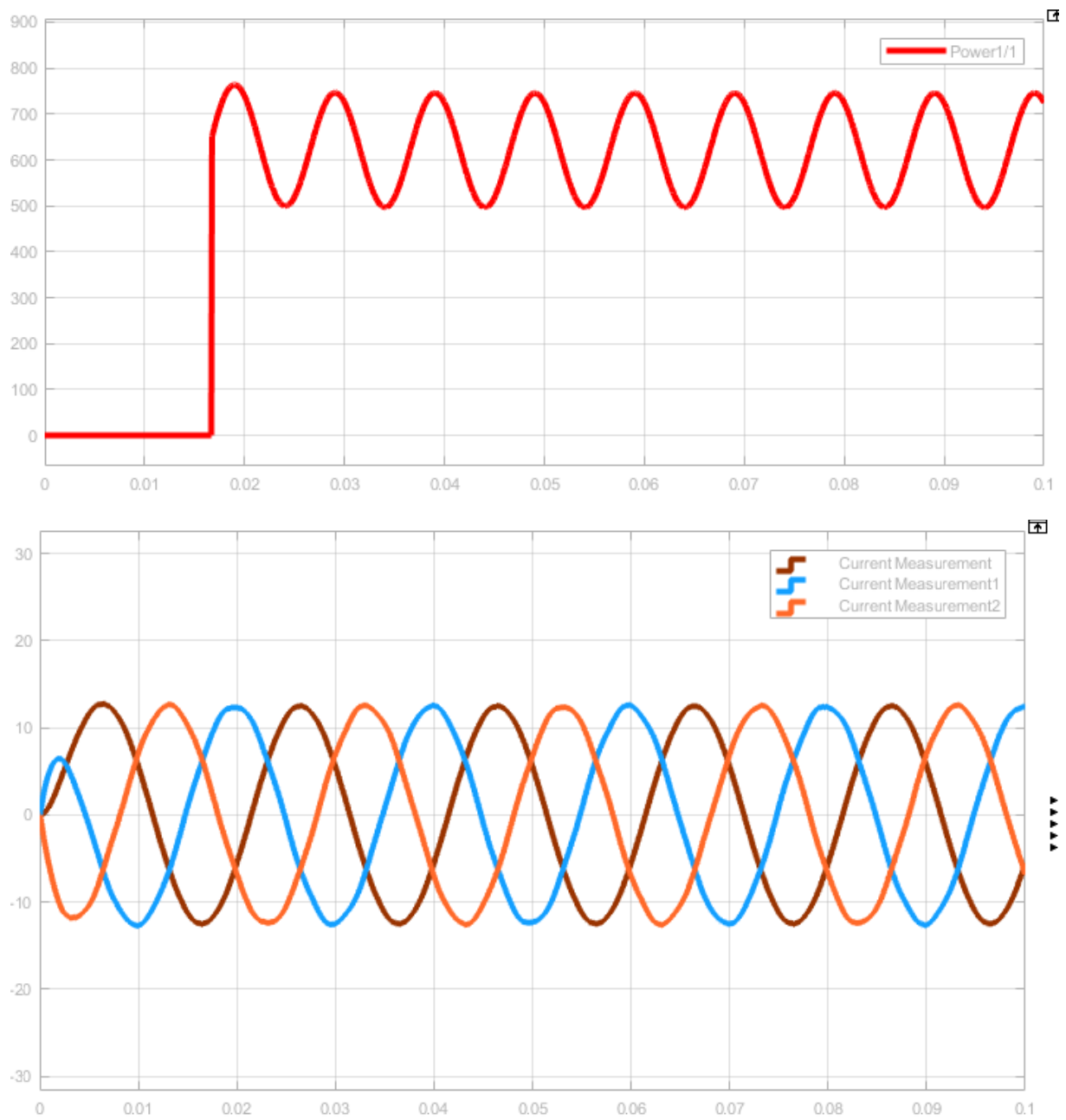


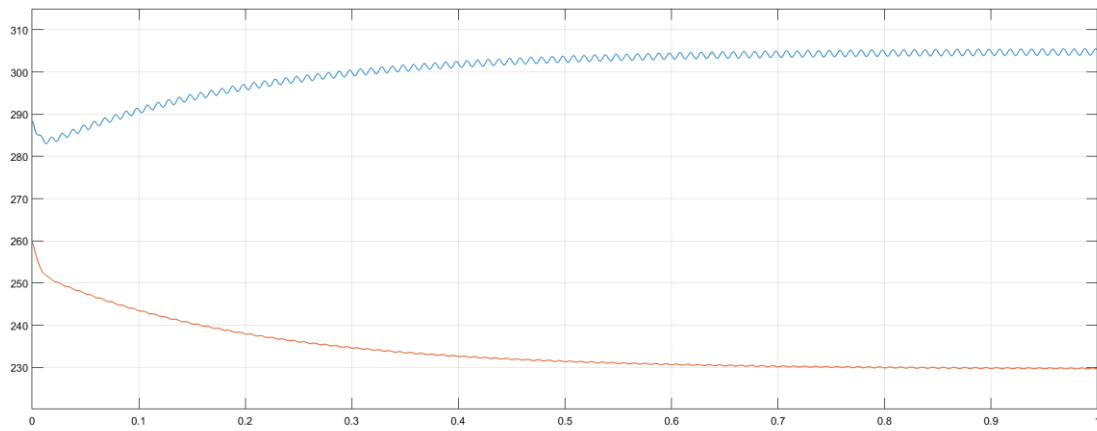
Without Failure



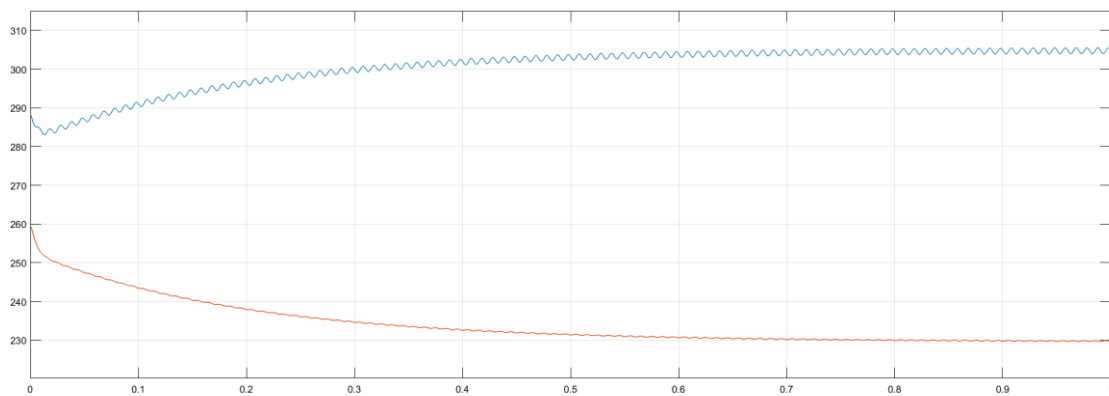
Dc link 266V

Single Transistor Open Circuit Failure

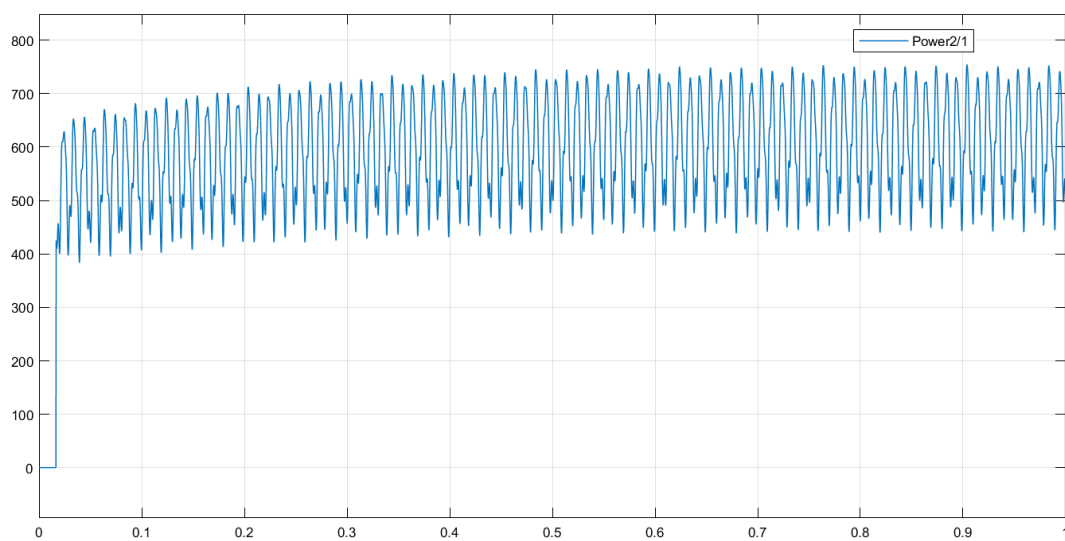
Dc Link Voltages



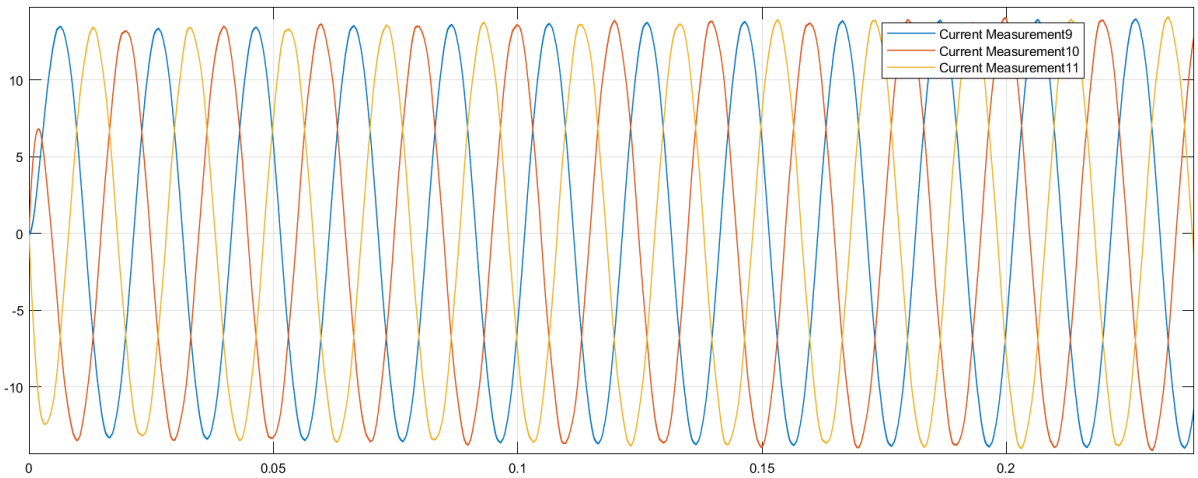
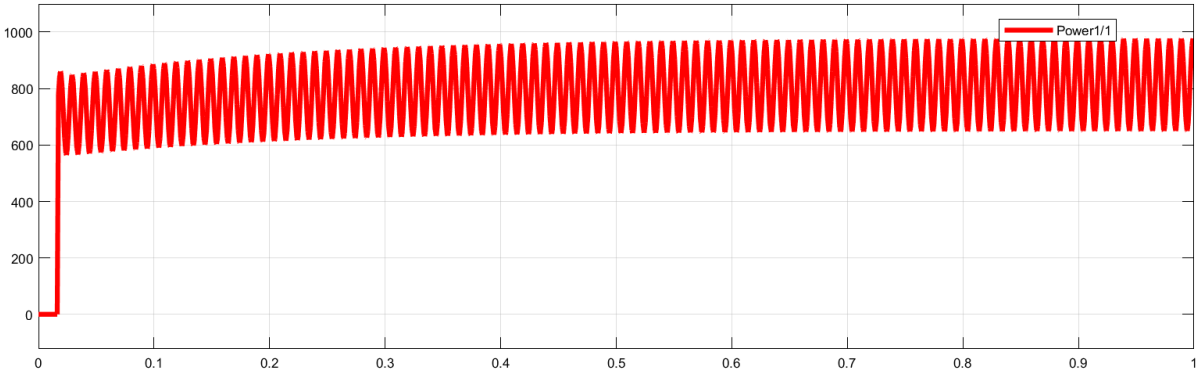
failed phase



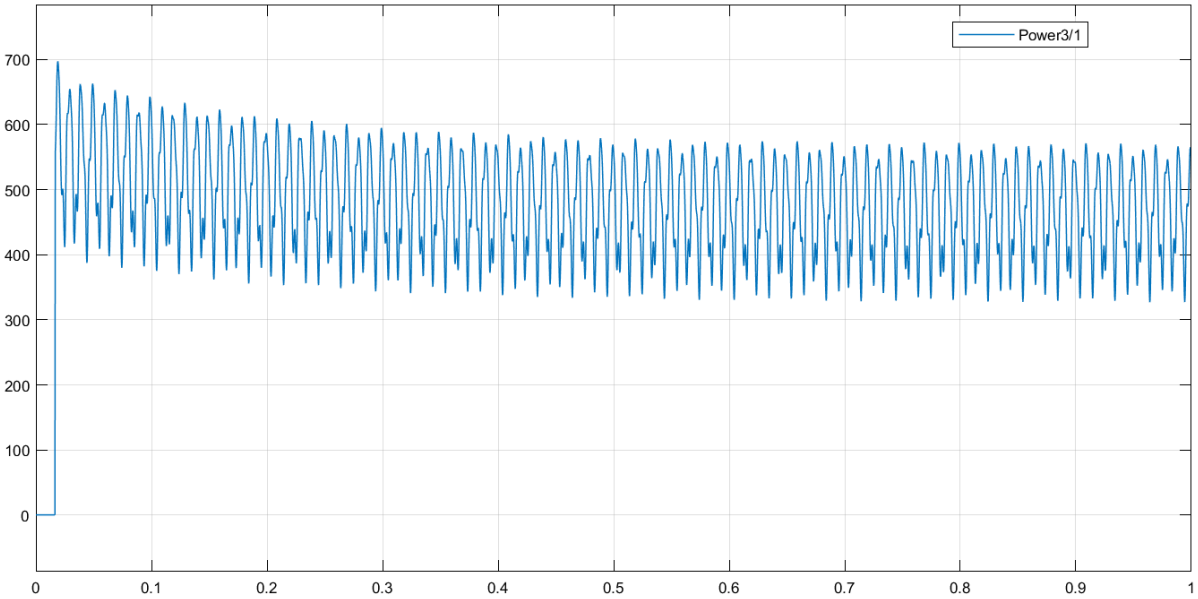
Different phase

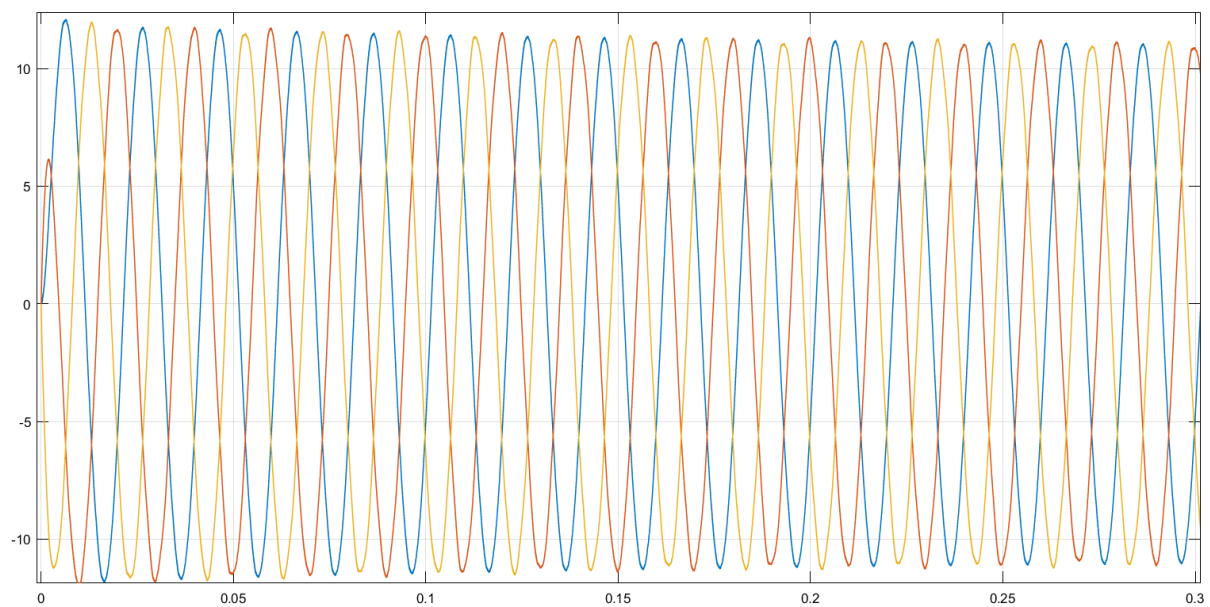


Parallel Inverter



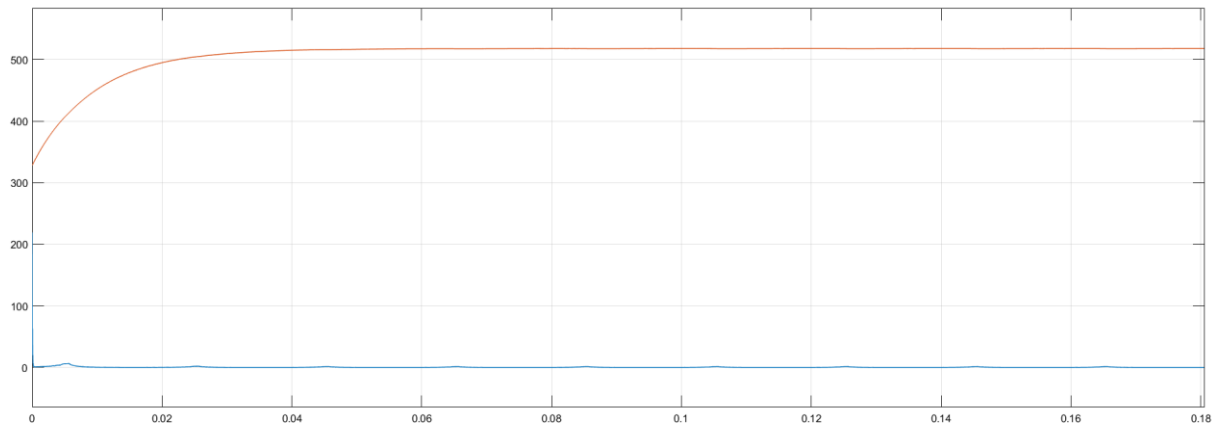
Series Inverter





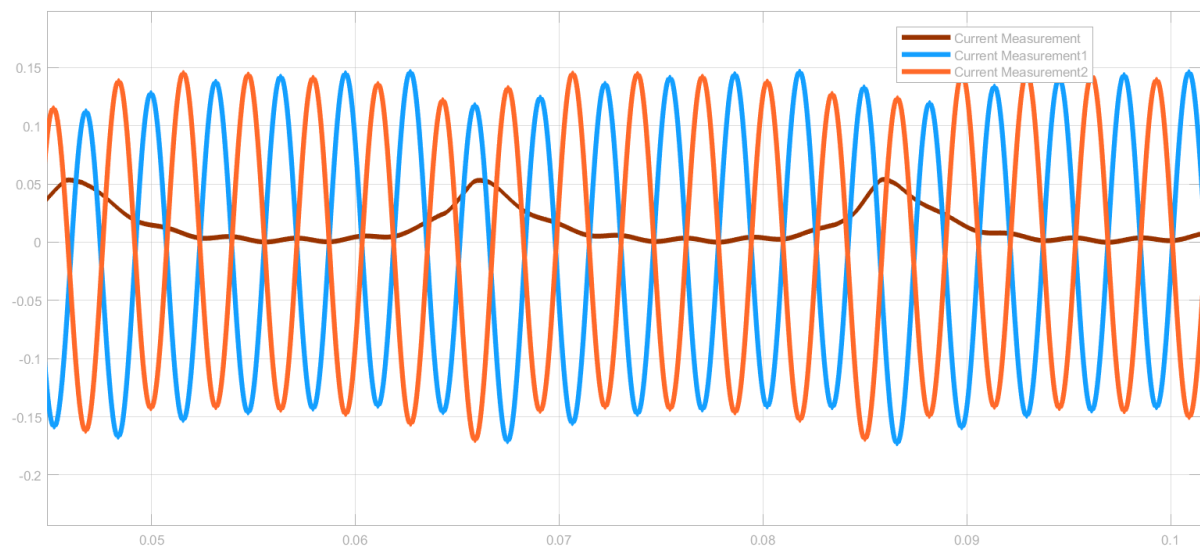
Single Transistor Short Circuit

Dc Link Voltages



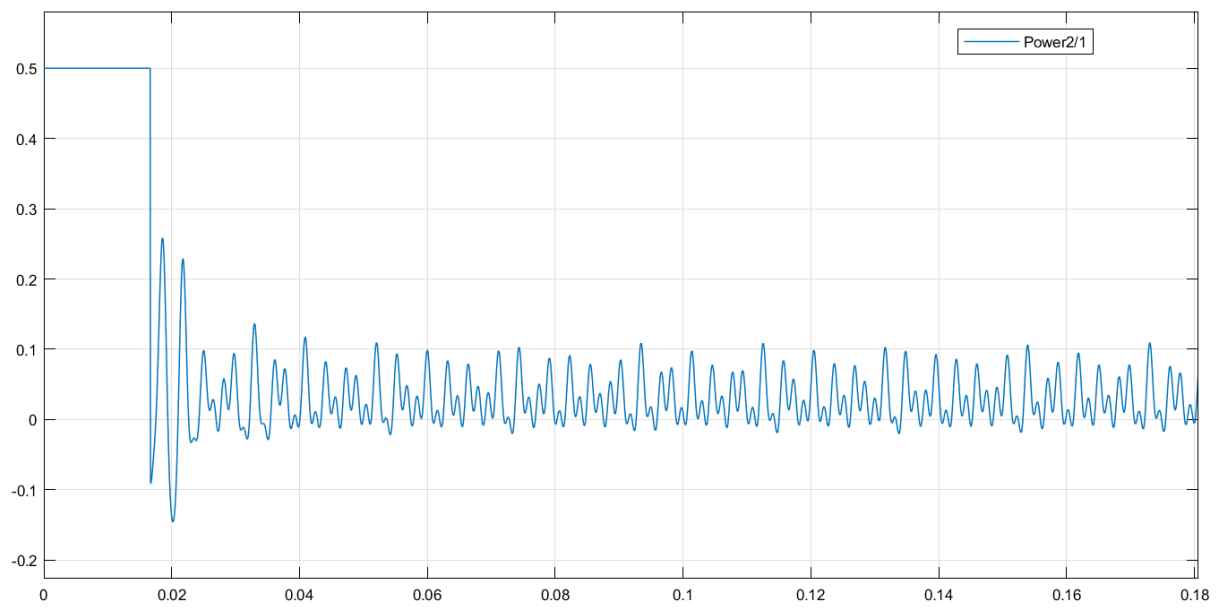
failed phase

dead

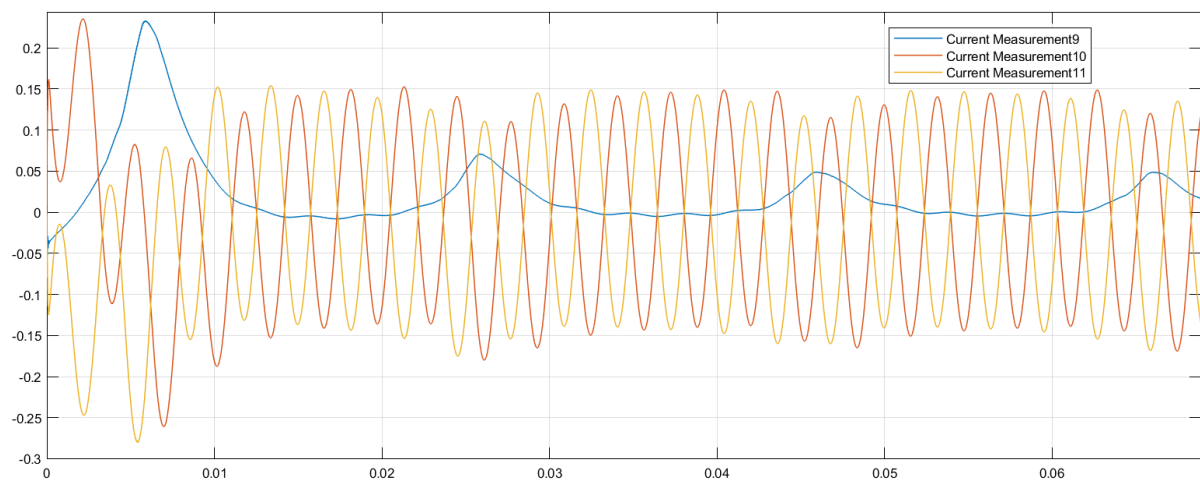
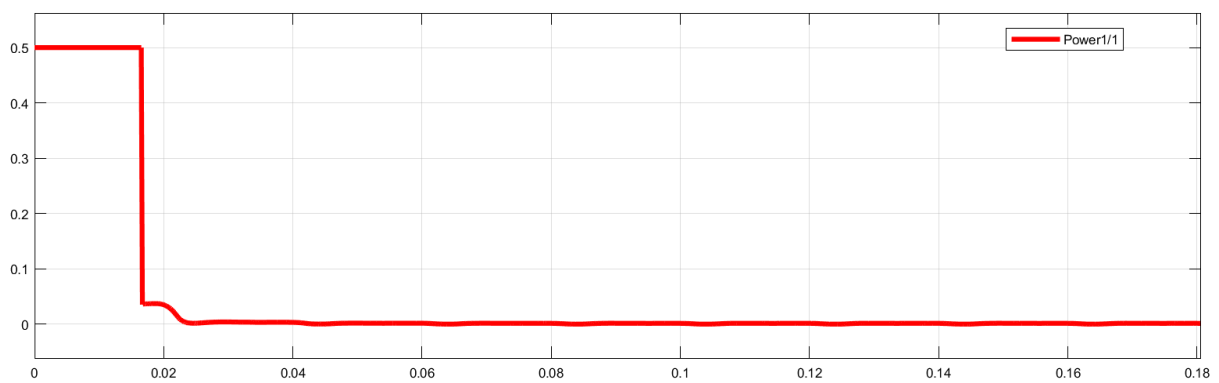


Different phase power

Dead



@Parallel Inverter

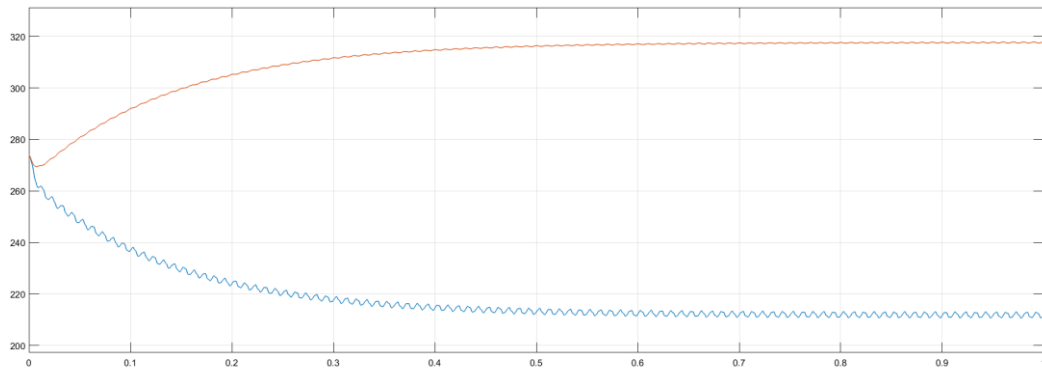


@Series Inverter

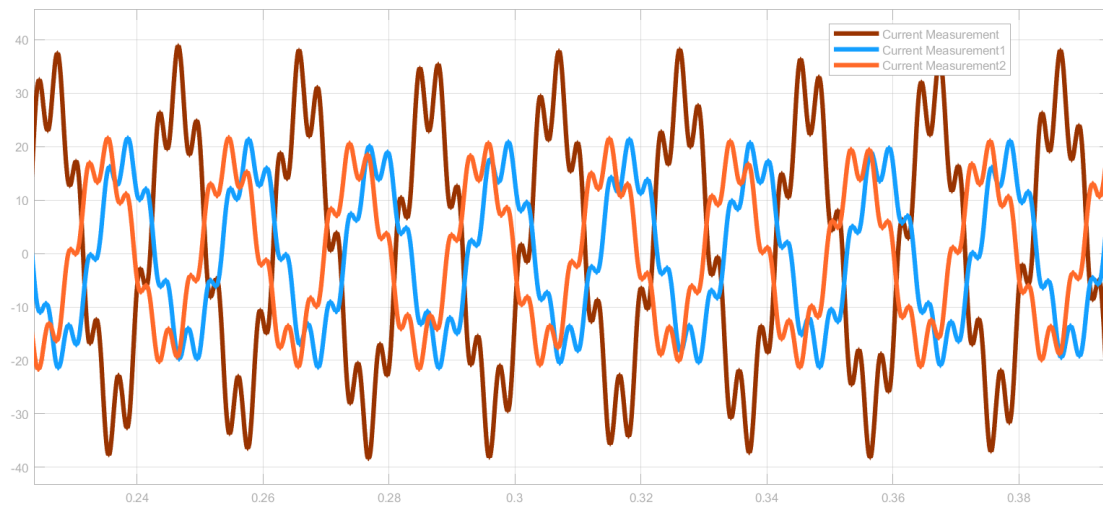
Same with dc link shorted

Single Winding Short Circuit

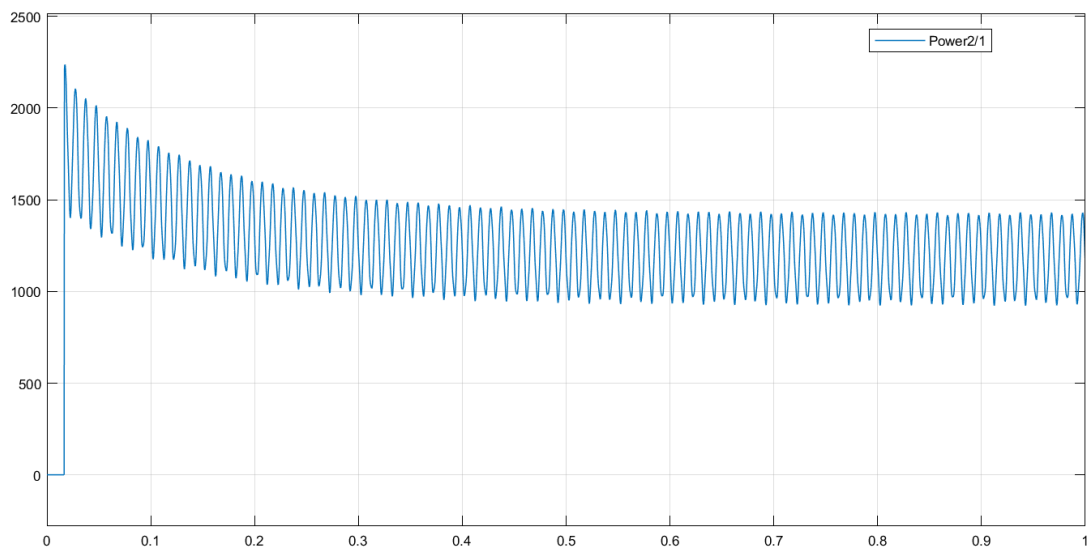
Dc Link Voltages



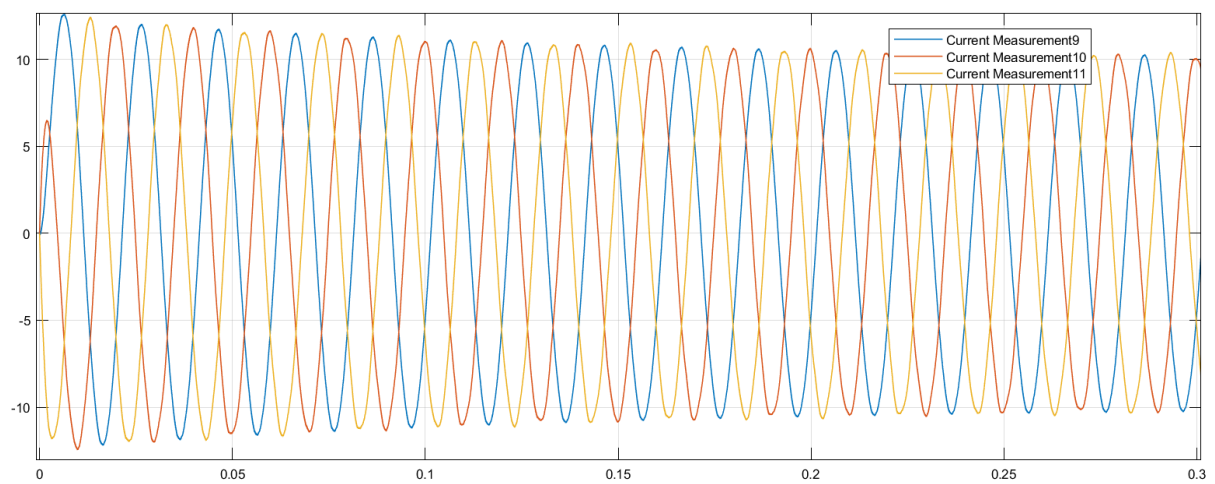
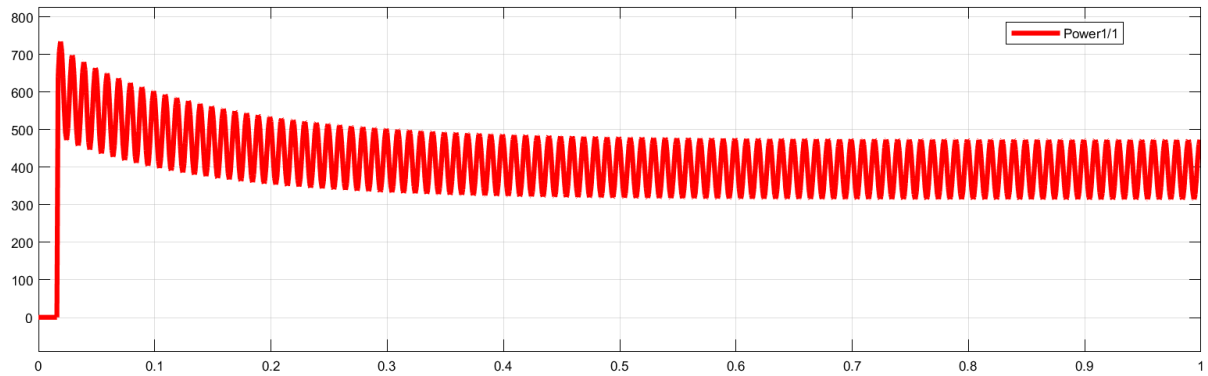
failed phase



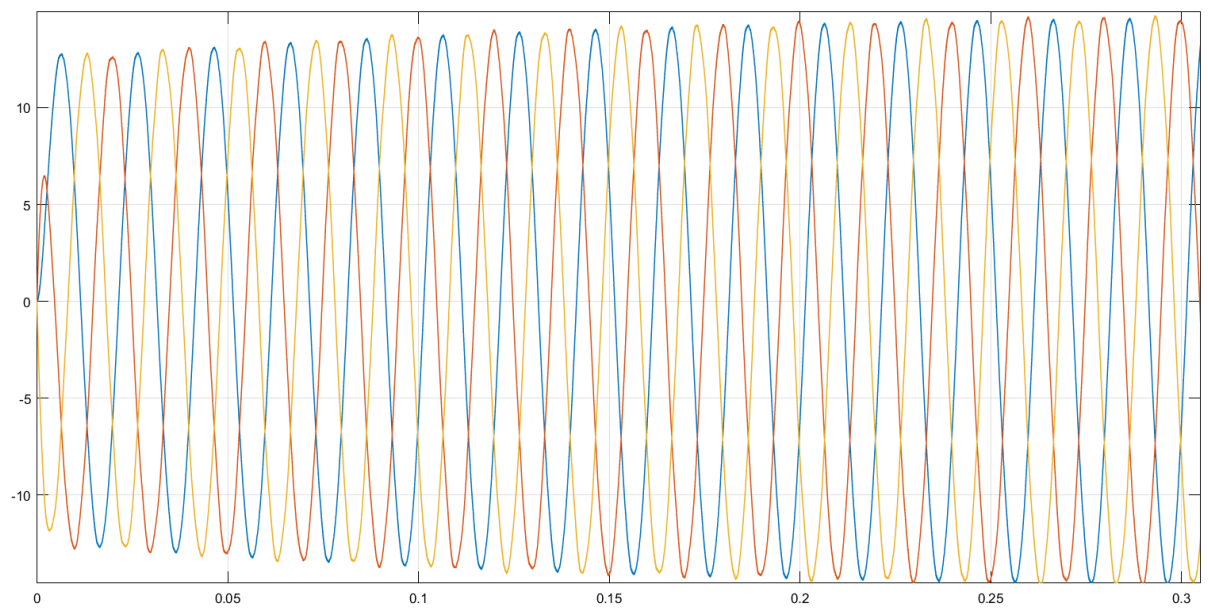
@Different phase

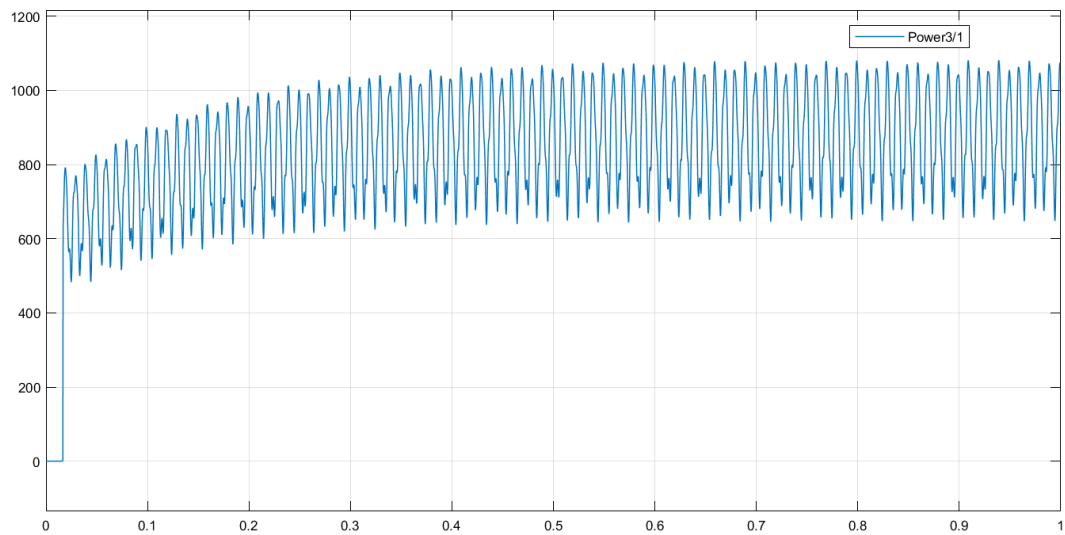


@Parallel Inverter



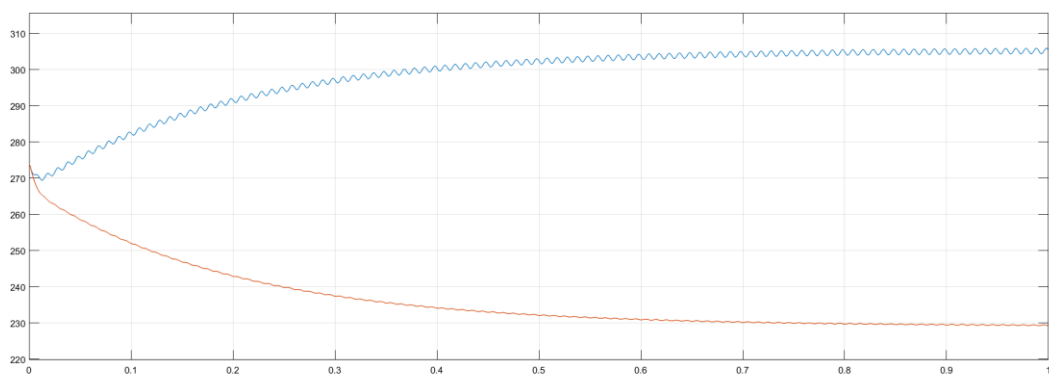
@Series Inverter



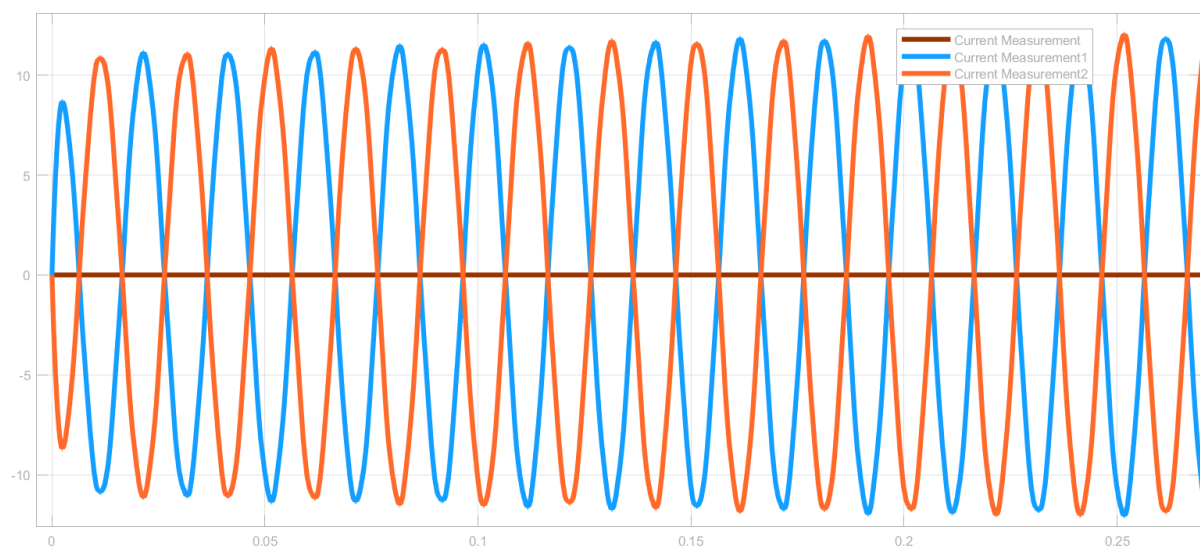


Single Winding Open Circuit

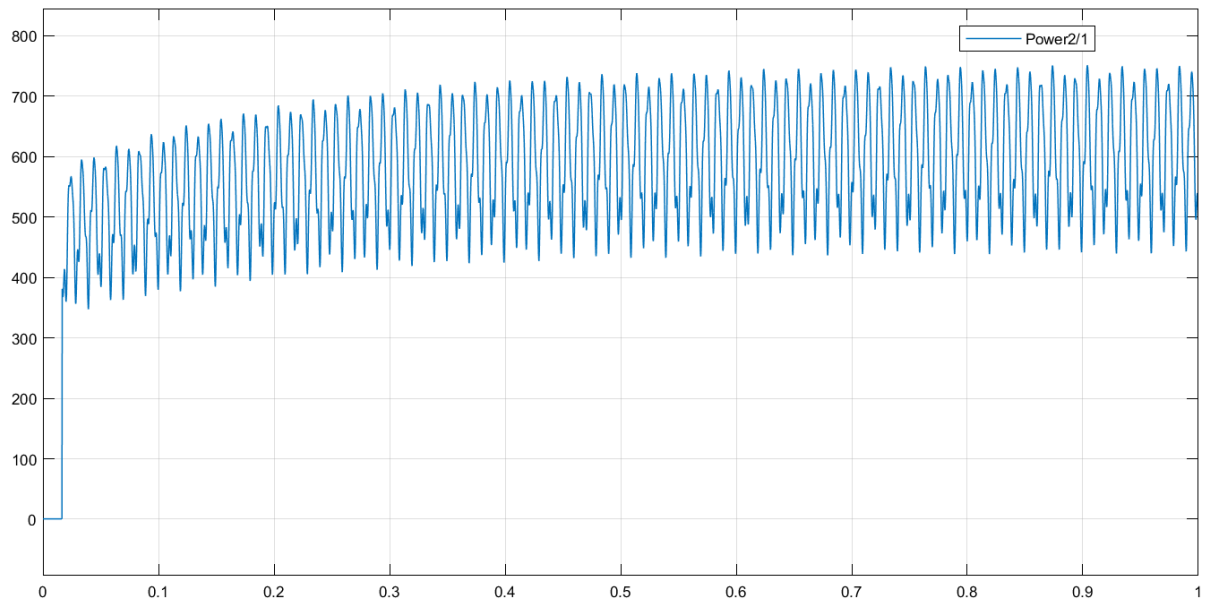
Dc Link Voltages



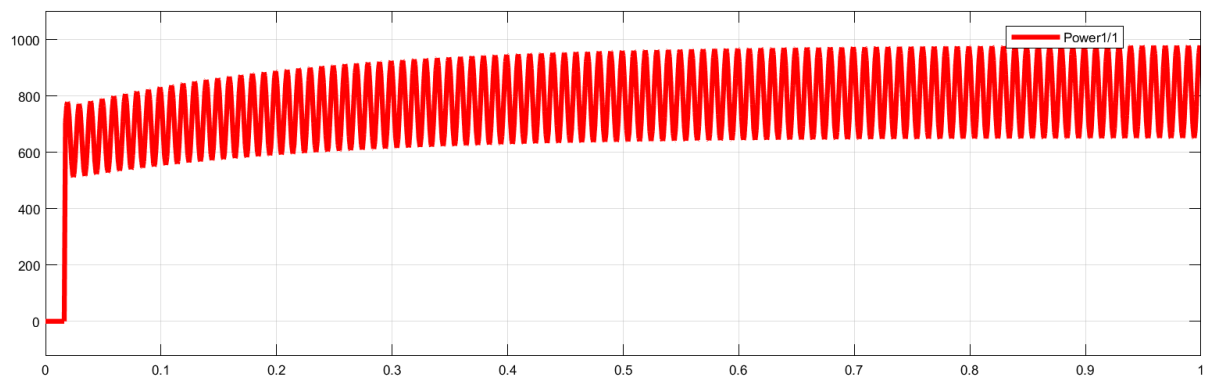
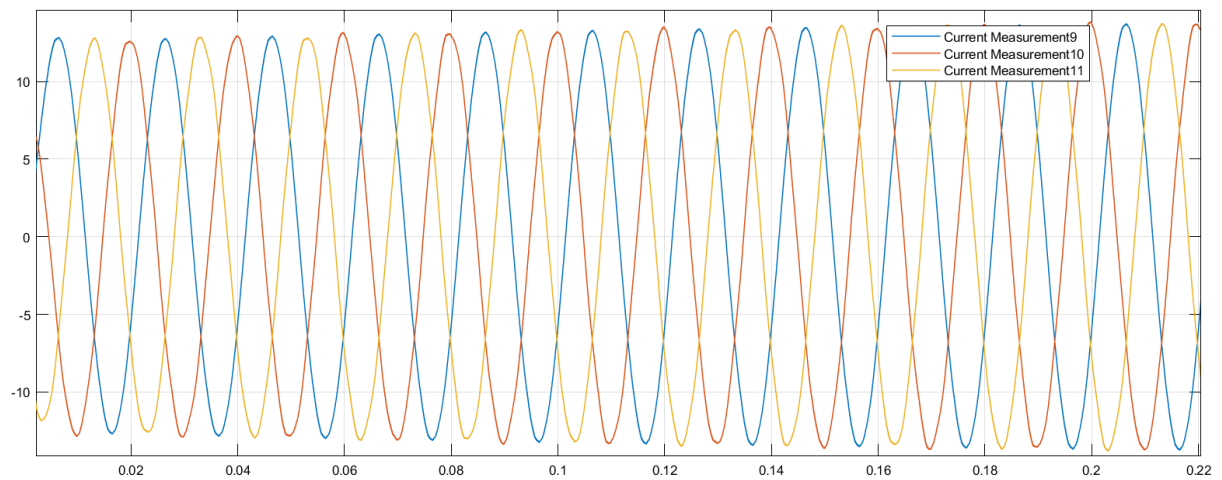
failed phase power



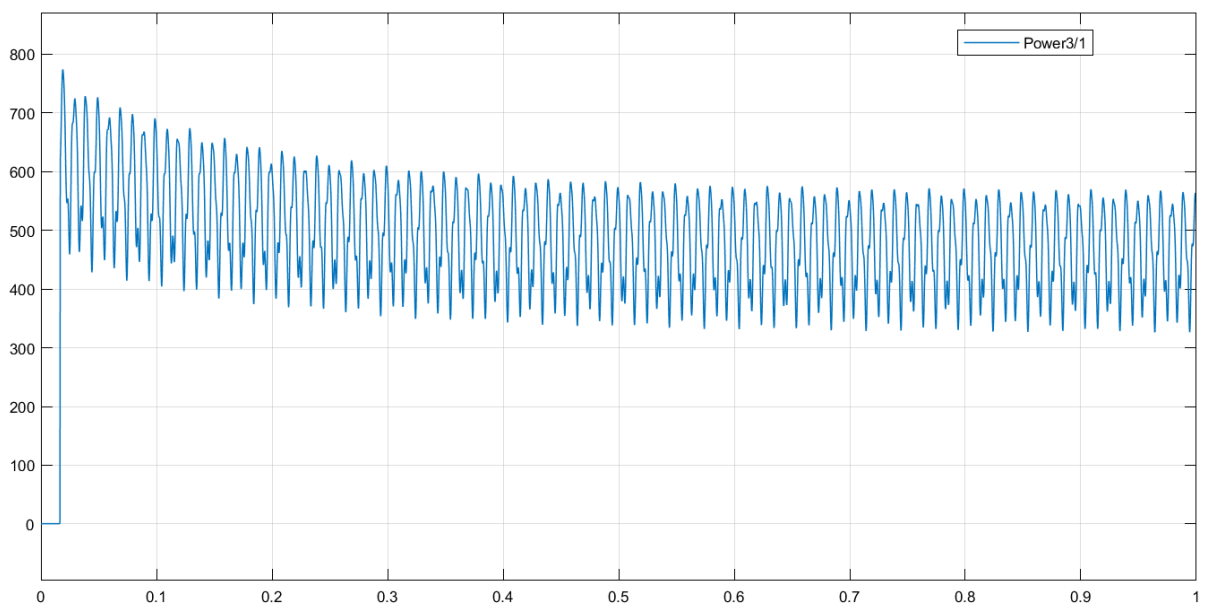
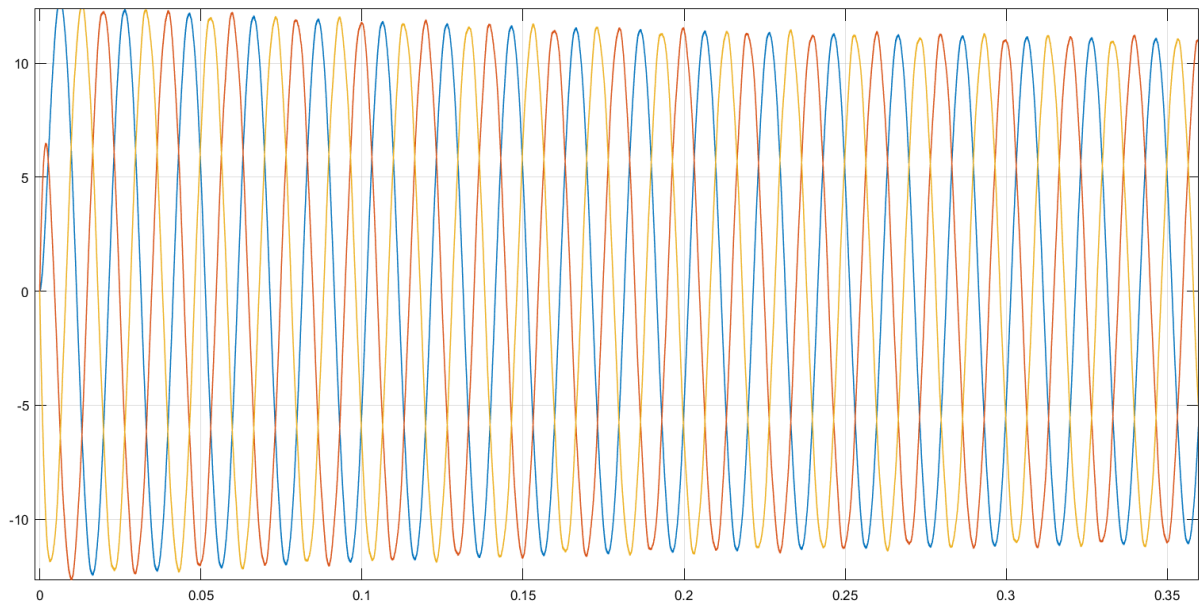
@Different phase power



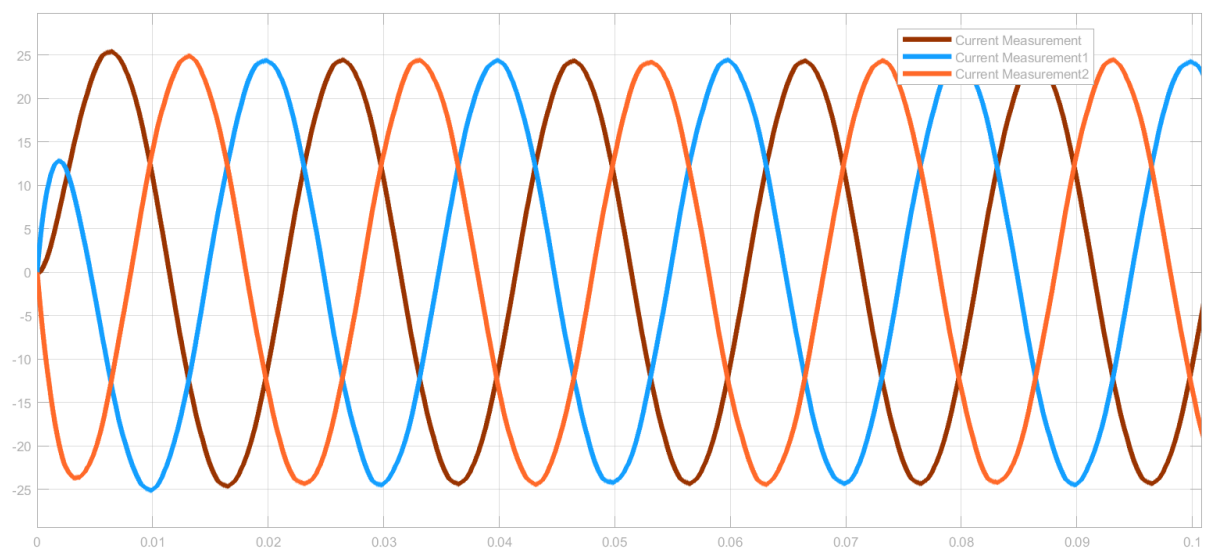
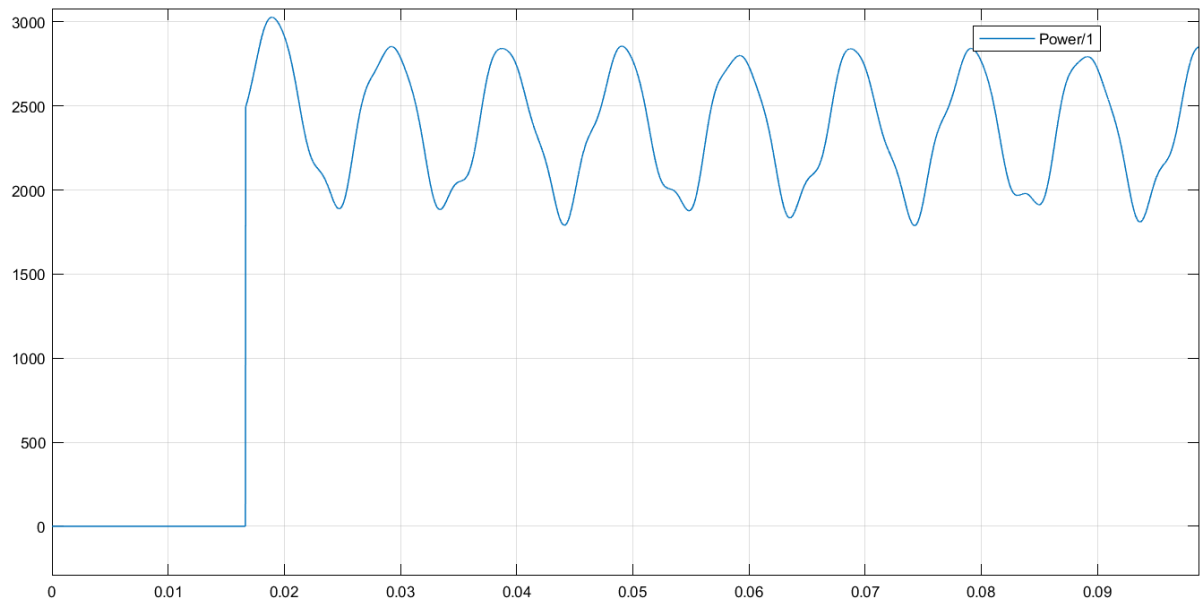
@Parallel Inverter



@Series Inverter

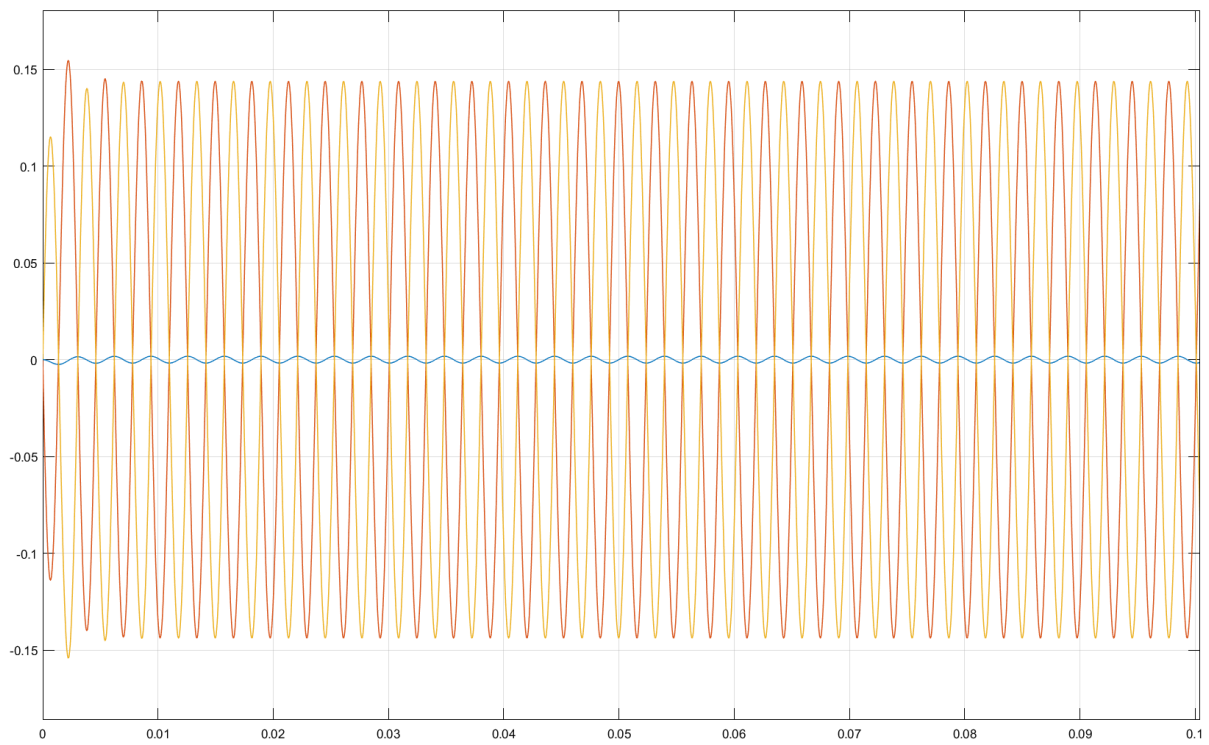


DC Link Short



VlineRMS=362V

Some weird high frequency current @shorted inverters?



Worth Noting:

