**Parallel - With interleaving:**

**----- DC Link Current - M1 -----**

Freq: 0, Mag: 7.40974, Phase: 90

Freq: 9850, Mag: 2.38081, Phase: 203.575

Freq: 10150, Mag: 2.41135, Phase: -32.0499

Freq: 20000, Mag: 4.17454, Phase: 262.722

Freq: 29850, Mag: 1.02582, Phase: 83.2759

Freq: 30150, Mag: 1.05266, Phase: 75.076

**----- DC Link Current - M2 -----**

Freq: 0, Mag: 7.4108, Phase: 90

Freq: 9850, Mag: 2.38118, Phase: 23.5765

Freq: 10150, Mag: 2.41173, Phase: 147.949

Freq: 20000, Mag: 4.17514, Phase: 262.722

Freq: 29850, Mag: 1.02603, Phase: 263.276

Freq: 30150, Mag: 1.05288, Phase: 255.076

**----- Capacitor Current - M1 -----**

Freq: 20000, Mag: 4.17484, Phase: 82.7477

**----- Capacitor Current - M2 -----**

Freq: 20000, Mag: 4.17484, Phase: 82.7477

**----- DC Link Voltage -----**

Freq: 0, Mag: 268.853, Phase: 90

Freq: 300, Mag: 0.229204, Phase: -15.9187

Freq: 20000, Mag: 0.737301, Phase: -7.2523

**Parallel - Without interleaving:**

**----- DC Link Current - M1 -----**

Freq: 0, Mag: 7.41046, Phase: 90

Freq: 9850, Mag: 2.38133, Phase: 203.577

Freq: 10150, Mag: 2.41185, Phase: -32.0499

Freq: 20000, Mag: 4.17478, Phase: 262.722

Freq: 29850, Mag: 1.02601, Phase: 83.2681

Freq: 30150, Mag: 1.05286, Phase: 75.0836

**----- DC Link Current - M2 -----**

Freq: 0, Mag: 7.41025, Phase: 90

Freq: 9850, Mag: 2.38127, Phase: 203.577

Freq: 10150, Mag: 2.41179, Phase: -32.0504

Freq: 20000, Mag: 4.17466, Phase: 262.722

Freq: 29850, Mag: 1.02601, Phase: 83.268

Freq: 30150, Mag: 1.05285, Phase: 75.0837

**----- Capacitor Current - M1 -----**

Freq: 9850, Mag: 2.3813, Phase: 23.6282

Freq: 10150, Mag: 2.41182, Phase: 148

Freq: 20000, Mag: 4.17472, Phase: 82.7477

Freq: 29850, Mag: 1.02601, Phase: 263.285

Freq: 30150, Mag: 1.05286, Phase: 255.1

**----- Capacitor Current - M2 -----**

Freq: 9850, Mag: 2.3813, Phase: 23.6282

Freq: 10150, Mag: 2.41182, Phase: 148

Freq: 20000, Mag: 4.17472, Phase: 82.7477

Freq: 29850, Mag: 1.02601, Phase: 263.285

Freq: 30150, Mag: 1.05286, Phase: 255.1

**----- DC Link Voltage -----**

Freq: 0, Mag: 268.821, Phase: 90

Freq: 9850, Mag: 0.854765, Phase: -66.3717

Freq: 10150, Mag: 0.840116, Phase: 57.9997

Freq: 20000, Mag: 0.737281, Phase: -7.25225

**Series - With interleaving:**

**----- DC Link Current - M1 -----**

Freq: 0, Mag: 7.41684, Phase: 90

Freq: 9850, Mag: 2.38334, Phase: 203.575

Freq: 10150, Mag: 2.41388, Phase: -32.0488

Freq: 20000, Mag: 4.17837, Phase: 262.722

Freq: 29850, Mag: 1.02688, Phase: 83.2683

Freq: 30150, Mag: 1.05375, Phase: 75.0834

**----- DC Link Current - M2 -----**

Freq: 0, Mag: 7.41685, Phase: 90

Freq: 9850, Mag: 2.38337, Phase: 23.5768

Freq: 10150, Mag: 2.41391, Phase: 147.95

Freq: 20000, Mag: 4.17837, Phase: 262.722

Freq: 29850, Mag: 1.02694, Phase: 263.268

Freq: 30150, Mag: 1.05381, Phase: 255.084

**----- Capacitor Current - M1 -----**

Freq: 9850, Mag: 2.3813, Phase: 23.6282

Freq: 10150, Mag: 2.41182, Phase: 148

Freq: 20000, Mag: 4.17472, Phase: 82.7477

Freq: 29850, Mag: 1.02601, Phase: 263.285

Freq: 30150, Mag: 1.05286, Phase: 255.1

**----- Capacitor Current - M2 -----**

Freq: 9850, Mag: 2.3813, Phase: 23.6282

Freq: 10150, Mag: 2.41182, Phase: 148

Freq: 20000, Mag: 4.17472, Phase: 82.7477

Freq: 29850, Mag: 1.02601, Phase: 263.285

Freq: 30150, Mag: 1.05286, Phase: 255.1

**----- DC Link Voltage – M1 -----**

Freq: 0, Mag: 269.046, Phase: 90

Freq: 9850, Mag: 0.855494, Phase: -66.4251

Freq: 10150, Mag: 0.84083, Phase: 57.9517

Freq: 20000, Mag: 0.73792, Phase: -7.17641

**----- DC Link Voltage - M2 -----**

Freq: 0, Mag: 269.066, Phase: 90

Freq: 9850, Mag: 0.855508, Phase: 113.577

Freq: 10150, Mag: 0.840846, Phase: 237.95

Freq: 20000, Mag: 0.737924, Phase: -7.17636

**----- DC Link Voltage -----**

Freq: 0, Mag: 538.111, Phase: 90

Freq: 20000, Mag: 1.47584, Phase: -7.17639

**Series - Without interleaving:**

**----- DC Link Current - M1 -----**

Freq: 0, Mag: 7.41687, Phase: 90

Freq: 9850, Mag: 2.38339, Phase: 203.578

Freq: 10150, Mag: 2.41394, Phase: -32.0509

Freq: 20000, Mag: 4.17837, Phase: 262.722

Freq: 29850, Mag: 1.02698, Phase: 83.2681

Freq: 30150, Mag: 1.05384, Phase: 75.0837

**----- DC Link Current - M2 -----**

Freq: 0, Mag: 7.41687, Phase: 90

Freq: 9850, Mag: 2.38337, Phase: 203.577

Freq: 10150, Mag: 2.41392, Phase: -32.0502

Freq: 20000, Mag: 4.17837, Phase: 262.722

Freq: 29850, Mag: 1.02694, Phase: 83.2682

Freq: 30150, Mag: 1.05381, Phase: 75.0836

**----- Capacitor Current - M1 -----**

Freq: 9850, Mag: 2.3813, Phase: 23.6282

Freq: 10150, Mag: 2.41182, Phase: 148

Freq: 20000, Mag: 4.17472, Phase: 82.7477

Freq: 29850, Mag: 1.02601, Phase: 263.285

Freq: 30150, Mag: 1.05286, Phase: 255.1

**----- Capacitor Current - M2 -----**

Freq: 9850, Mag: 2.3813, Phase: 23.6282

Freq: 10150, Mag: 2.41182, Phase: 148

Freq: 20000, Mag: 4.17472, Phase: 82.7477

Freq: 29850, Mag: 1.02601, Phase: 263.285

Freq: 30150, Mag: 1.05286, Phase: 255.1

**----- DC Link Voltage - M1 -----**

Freq: 0, Mag: 269.061, Phase: 90

Freq: 9850, Mag: 0.85551, Phase: -66.2167

Freq: 10150, Mag: 0.840848, Phase: 58.1487

Freq: 20000, Mag: 0.737925, Phase: -7.17638

**----- DC Link Voltage - M2 -----**

Freq: 0, Mag: 269.046, Phase: 90

Freq: 9850, Mag: 0.855504, Phase: -66.2173

Freq: 10150, Mag: 0.840842, Phase: 58.1493

Freq: 20000, Mag: 0.737924, Phase: -7.17636

**----- DC Link Voltage -----**

Freq: 0, Mag: 538.107, Phase: 90

Freq: 9850, Mag: 1.71101, Phase: -66.217

Freq: 10150, Mag: 1.68169, Phase: 58.149

Freq: 20000, Mag: 1.47585, Phase: -7.17637