**10kHz:**

idc\_harm\_comp\_filtered\_sorted =

0 7.46744353032711 0

9850 2.13555244946606 77.50221147911

10150 2.13493101742604 -77.5287298323887

20000 0.638375193791451 89.9083507823527

29850 2.4100899187357 71.3619860617564

30150 2.41098426902167 -71.4260306622541

39700 0.845031735844924 -32.1004765690565

40000 0.238869554792325 -89.7116454166794

40300 0.846646056826572 32.1551279884651

**5 kHz:**

idc\_harm\_comp\_filtered\_sorted =

0 7.41833830186652 0

4850 2.12109125106917 74.8116642613756

5150 2.12078143594747 -74.7887831933369

10000 0.387309116452382 89.9809650069488

14850 2.40782400609153 71.030062777793

15150 2.40744250492301 -70.9708588147815

19700 0.83821767309983 -34.6748144970069

20000 0.146223610708432 -89.647746485029

20300 0.838769837830612 34.8550955998658

**10 kHz:**

DC component: 7.41787

Freq: 9850, Mag: 2.04988, Phase: 161.568

Freq: 10150, Mag: 2.07935, Phase: 5.38168

Freq: 20000, Mag: 5.08586, Phase: 262.303

Freq: 29850, Mag: 0.412918, Phase: 5.43686

Freq: 30150, Mag: 0.493989, Phase: 141.1

Freq: 39700, Mag: 0.646438, Phase: 224.66

Freq: 40000, Mag: 1.92454, Phase: 254.95

Freq: 40300, Mag: 0.663712, Phase: -79.5579

Freq: 49850, Mag: 1.24676, Phase: -36.883

**5 kHz:**

DC component: 7.40664

Freq: 4850, Mag: 2.03992, Phase: 157.35

Freq: 5150, Mag: 2.07296, Phase: 7.49539

Freq: 10000, Mag: 5.08158, Phase: 265.503

Freq: 15150, Mag: 0.451679, Phase: 152.321

Freq: 19700, Mag: 0.633299, Phase: 224.508

Freq: 20000, Mag: 1.9233, Phase: 261.577

Freq: 20300, Mag: 0.655366, Phase: -71.6703

Freq: 24850, Mag: 1.246, Phase: -28.1979

Freq: 25150, Mag: 1.24578, Phase: 189.754