



Q30-006

STORAGE RING MAGNET REPORT

Results

Date 27/04/2018

Hour 10:52:58

Temperature [°C] 23.43

Number of Measurements 9

Main Coil Current [A] (154.9967 ± 0.0005)

Trim Coil Current [A] (0 ± 0)

CH Coil Current [A] (0 ± 0)

CV Coil Current [A] (0 ± 0)

QS Coil Current [A] (0 ± 0)

Integrated Gradient [T] (-13.62657 ± 0.00004)

Magnet Center Offset X [μm] - (< ±40.0) (-3.18 ± 0.03)

Magnet Center Offset Y [μm] - (< ±40.0) (-5.27 ± 0.05)

Roll [mrad] - (< ±0.3) (-7.6 ± 0.2) x E-2

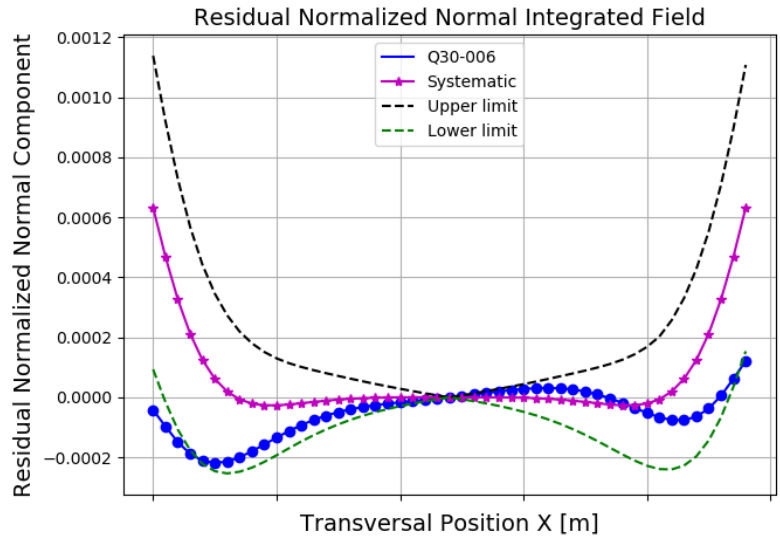
Electric Parameters

Inductance [mH] 9.24

Voltage [V] 7.4863

Resistance [mΩ] 48.3

Main Coil Number of Turns 23.25



n	Normalized Normal Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(2.65 ± 0.02) x E-4	(4.39 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(-1.52 ± 0.04) x E-4
3 (sextupole)	(1.10 ± 0.03) x E-4	(2.35 ± 0.03) x E-4
4	(7.8 ± 0.4) x E-5	(-9 ± 7) x E-6
5	(-3.0 ± 0.5) x E-5	(-3.3 ± 0.6) x E-5
6	(-1.084 ± 0.007) x E-3	(1.17 ± 0.06) x E-4
7	(-3 ± 5) x E-6	(-5 ± 5) x E-6
8	(-8 ± 7) x E-6	(-1.4 ± 0.5) x E-5
9	(4 ± 7) x E-6	(1.1 ± 0.8) x E-5
10	(1.784 ± 0.007) x E-3	(-5.0 ± 0.6) x E-5
11	(-5 ± 8) x E-6	(-5 ± 8) x E-6
12	(5 ± 6) x E-6	(1.3 ± 0.5) x E-5
13	(2 ± 6) x E-6	(-8 ± 8) x E-6
14	(-7.37 ± 0.06) x E-4	(2 ± 6) x E-6
15	(4 ± 8) x E-6	(4 ± 7) x E-6

