



Q20-003

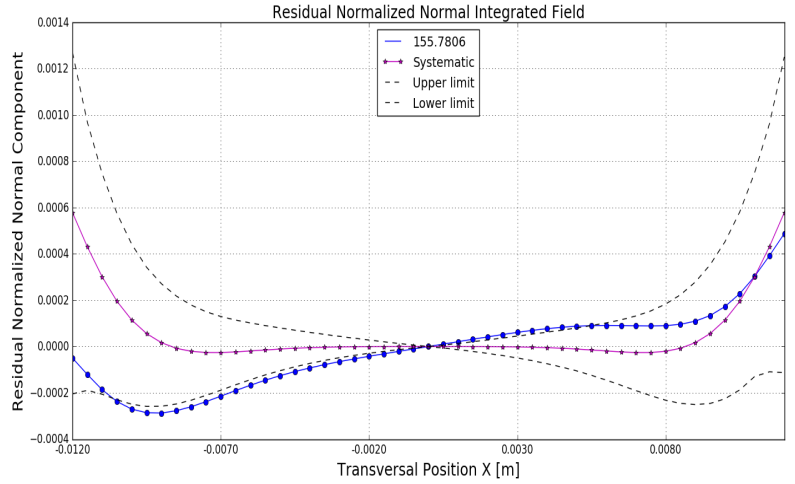
STORAGE RING MAGNET REPORT

Results

Date	23/05/2017
Hour	10:39:55
Temperature [°C]	24.0
Number of Measurements	17
Main Coil Current [A]	(155.7806 ± 0.0006)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(9.0873 ± 0.0002)
Magnet Center Offset X [μm] - (< ±30.0)	(-13.1 ± 0.6)
Magnet Center Offset Y [μm] - (< ±30.0)	(-2.4 ± 0.3)
Roll [mrad] - (< ±0.2)	(6 ± 1) × E-2

Electric Parameters

Indutance [mH]	9.2255
Voltage [V]	3.440
Main Coil Maximum Current [A]	155.7806
Main Coil Number of Turns	23.5



n	Normalized Normal Multipoles x=0.0 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=0.0 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-1.09 ± 0.05) × E-3	(-2.0 ± 0.2) × E-4
2 (quadrupole)	(1.00000 ± 0.00003)	(1.2 ± 0.3) × E-4
3 (sextupole)	(2.5 ± 0.3) × E-4	(-7 ± 1) × E-5
4	(1 ± 2) × E-5	(8.3 ± 17.2) × E-6
5	(3 ± 1) × E-5	(3 ± 2) × E-5
6	(-7.6 ± 0.1) × E-4	(6 ± 1) × E-5
7	(-9.0 ± 13.9) × E-6	(-2.8 ± 13.5) × E-6
8	(-2.4 ± 97.3) × E-7	(-4 ± 1) × E-5
9	(-1.4 ± 0.9) × E-5	(-5 ± 9) × E-6
10	(1.668 ± 0.008) × E-3	(-1.8 ± 1.0) × E-5
11	(-2.3 ± 10.6) × E-6	(-8.9 ± 11.0) × E-6
12	(6 ± 8) × E-6	(-3 ± 10) × E-6
13	(3 ± 9) × E-6	(5.1266 ± 11433.6000) × E-9
14	(-7.05 ± 0.07) × E-4	(-1.1 ± 0.9) × E-5
15	(6 ± 7) × E-6	(-4 ± 8) × E-6

