



S15-101

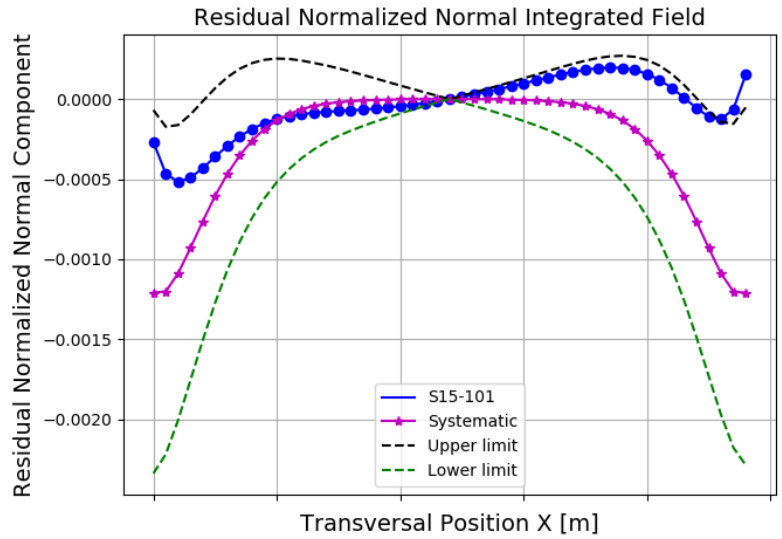
STORAGE RING MAGNET REPORT

Results

Date	01/08/2018
Hour	11:01:58
Temperature [°C]	23.55
Number of Measurements	9
Main Coil Current [A]	(167.7987 ± 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/m]	(-359.657 ± 0.009)
Magnet Center Offset X [μm] - (< ±40.0)	(6.5 ± 0.1)
Magnet Center Offset Y [μm] - (< ±40.0)	(21.6 ± 0.3)
Roll [mrad] - (< ±0.3)	(-1.3 ± 0.1) × E-1

Electric Parameters

Inductance [mH]	3.157
Voltage [V]	6.0106
Resistance [mΩ]	35.82
Main Coil Number of Turns	11.25



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)	(3.9 ± 0.2) × E-4	(3.5 ± 0.5) × E-4
2 (quadrupole)	(-1.09 ± 0.02) × E-3	(-3.61 ± 0.04) × E-3
3 (sextupole)	(1.00000 ± 0.00004)	(-3.8 ± 0.4) × E-4
4	(3.3 ± 0.3) × E-4	(1.4 ± 0.4) × E-4
5	(3.2 ± 0.4) × E-4	(-1.5 ± 0.7) × E-4
6	(-1.5 ± 0.3) × E-4	(2 ± 4) × E-5
7	(-2 ± 4) × E-5	(5 ± 5) × E-5
8	(-3 ± 3) × E-5	(1.2 ± 52.4) × E-6
9	(-1.87 ± 0.04) × E-3	(7.4 ± 0.4) × E-4
10	(3 ± 4) × E-5	(2 ± 5) × E-5
11	(-9.4 ± 37.2) × E-6	(3.5 ± 43.8) × E-6
12	(7.1 ± 40.5) × E-6	(2 ± 5) × E-5
13	(6.5 ± 36.8) × E-6	(4 ± 3) × E-5
14	(2 ± 3) × E-5	(3 ± 3) × E-5
15	(1.51 ± 0.05) × E-3	(1.2 ± 57.1) × E-6

