



S15-050

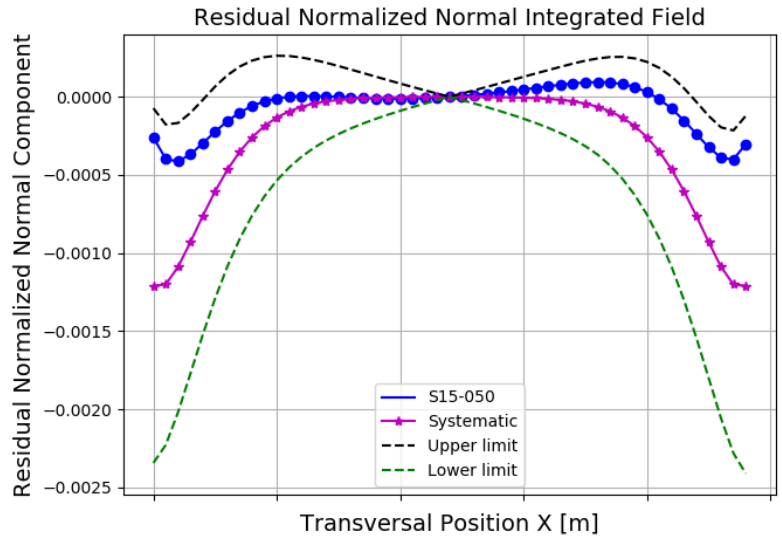
STORAGE RING MAGNET REPORT

Results

Date	13/08/2018
Hour	10:08:31
Temperature [°C]	23.27
Number of Measurements	9
Main Coil Current [A]	(167.798 ± 0.004)
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]	(-360.193 ± 0.001)
Magnet Center Offset X [μm] - (< ±40.0)	(23.590 ± 0.010)
Magnet Center Offset Y [μm] - (< ±40.0)	(25.47 ± 0.04)
Roll [mrad] - (< ±0.3)	(3.07 ± 0.02) x 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⁾]
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1 (dipole)	(-8.4 ± 0.5) x E-5	(6.6 ± 0.5) x E-5
2 (quadrupole)	(-3.932 ± 0.002) x E-3	(-4.245 ± 0.007) x E-3
3 (sextupole)	(1.000000 ± 0.000006)	(9.22 ± 0.06) x E-4
4	(1.23 ± 0.03) x E-4	(-9 ± 5) x E-6
5	(3.02 ± 0.04) x E-4	(-2.0 ± 0.4) x E-5
6	(-1.40 ± 0.03) x E-4	(-8 ± 6) x E-6
7	(8.1 ± 0.3) x E-5	(-1.5 ± 0.5) x E-5
8	(3.1 ± 0.4) x E-5	(2.1 ± 0.4) x E-5
9	(-1.983 ± 0.004) x E-3	(7.6 ± 0.8) x E-5
10	(7 ± 5) x E-6	(2.9 ± 56.6) x E-7
11	(6.6 ± 65.9) x E-7	(-7 ± 6) x E-6
12	(-3 ± 5) x E-6	(-8 ± 6) x E-6
13	(-7 ± 4) x E-6	(1.1 ± 0.6) x E-5
14	(-3.9 ± 0.6) x E-5	(-4.2 ± 0.5) x E-5
15	(1.325 ± 0.004) x E-3	(1.3 ± 0.5) x E-5

