



S15-201

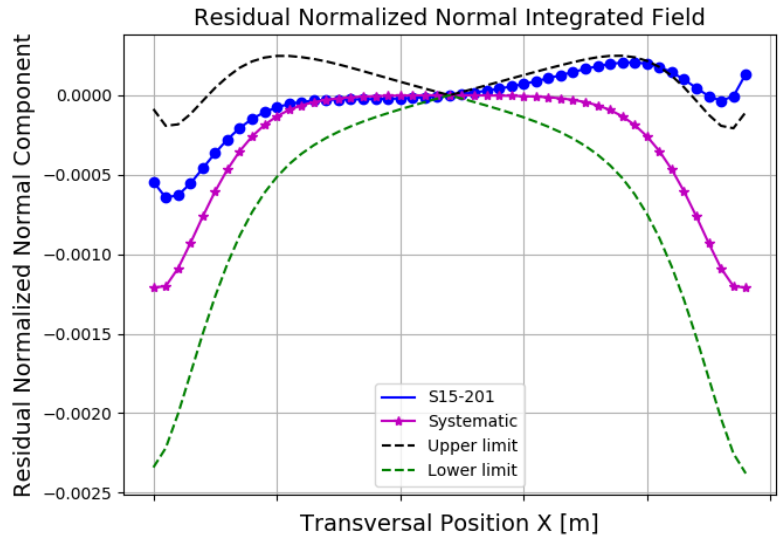
STORAGE RING MAGNET REPORT

Results

Date	08/08/2018
Hour	13:19:46
Temperature [°C]	23.606
Number of Measurements	9
Main Coil Current [A]	(167.797 ± 0.002)
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]	(-359.735 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(12.44 ± 0.01)
Magnet Center Offset Y [μm] - (< ±40.0)	(21.86 ± 0.03)
Roll [mrad] - (< ±0.3)	(1.852 ± 0.010) 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⁾]
1 (dipole)	(-6.62 ± 0.06) x E-4	(1.229 ± 0.007) x E-3
2 (quadrupole)	(-2.074 ± 0.002) x E-3	(-3.644 ± 0.005) x E-3
3 (sextupole)	(1.000000 ± 0.000010)	(5.56 ± 0.03) x E-4
4	(1.79 ± 0.02) x E-4	(-1.6 ± 0.3) x E-5
5	(3.74 ± 0.02) x E-4	(-1.75 ± 0.03) x E-4
6	(1.80 ± 0.04) x E-4	(2 ± 4) x E-6
7	(1.29 ± 0.03) x E-4	(-1.9 ± 0.4) x E-5
8	(1.0 ± 0.3) x E-5	(3.2 ± 0.3) x E-5
9	(-2.013 ± 0.004) x E-3	(2.3 ± 0.4) x E-5
10	(1 ± 4) x E-6	(1.1 ± 0.3) x E-5
11	(-10 ± 3) x E-6	(-4 ± 6) x E-6
12	(-1.5 ± 0.4) x E-5	(1.8 ± 42.5) x E-7
13	(-1.0 ± 0.4) x E-5	(2.2 ± 0.4) x E-5
14	(-1.7 ± 0.3) x E-5	(-3.5 ± 0.2) x E-5
15	(1.324 ± 0.006) x E-3	(1.6 ± 0.4) x E-5

