



# S15-150

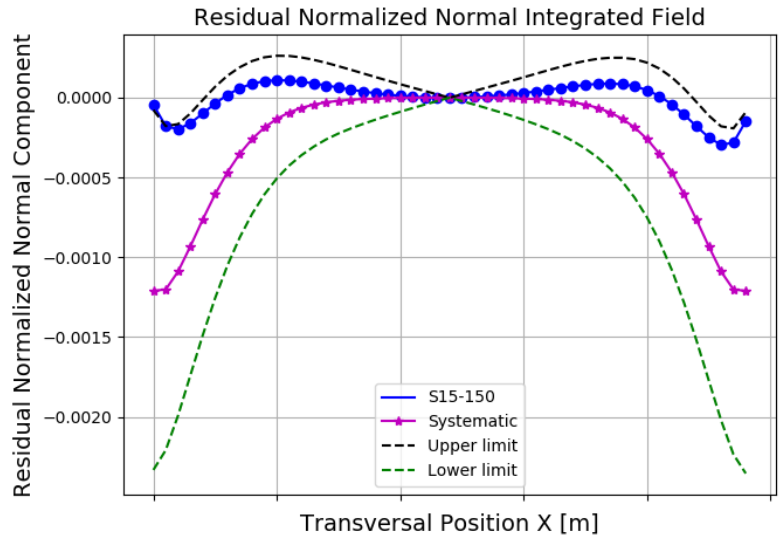
## STORAGE RING MAGNET REPORT

### Results

Date	16/08/2018
Hour	15:06:04
Temperature [°C]	23.357
Number of Measurements	9
Main Coil Current [A]	(167.798 ± 0.003)
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]	(-359.586 ± 0.005)
Magnet Center Offset X [μm] - (< ±40.0)	(3.37 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(22.70 ± 0.10)
Roll [mrad] - (< ±0.3)	(1.96 ± 0.06) 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 <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=12.0 mm [T.m <sup>(2-n)</sup> ]
---	--	--

1 (dipole)	(-3.62 ± 0.06) x E-4	(-5.6 ± 0.1) x E-4
2 (quadrupole)	(-5.61 ± 0.09) x E-4	(-3.78 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(5.9 ± 0.2) x E-4
4	(7.3 ± 12.7) x E-6	(1.5 ± 0.2) x E-4
5	(4.6 ± 0.2) x E-4	(1.5 ± 0.1) x E-4
6	(-8 ± 2) x E-5	(-2 ± 2) x E-5
7	(1.8 ± 0.2) x E-4	(-2 ± 2) x E-5
8	(-3 ± 2) x E-5	(3 ± 2) x E-5
9	(-2.05 ± 0.02) x E-3	(1.8 ± 0.2) x E-4
10	(2 ± 2) x E-5	(-4 ± 1) x E-5
11	(-1 ± 1) x E-5	(-5 ± 2) x E-5
12	(2 ± 2) x E-5	(-6.4 ± 14.1) x E-6
13	(-4 ± 1) x E-5	(9 ± 10) x E-6
14	(3.6 ± 14.3) x E-6	(-5.4 ± 0.9) x E-5
15	(1.37 ± 0.01) x E-3	(8 ± 1) x E-5

