



S15-247

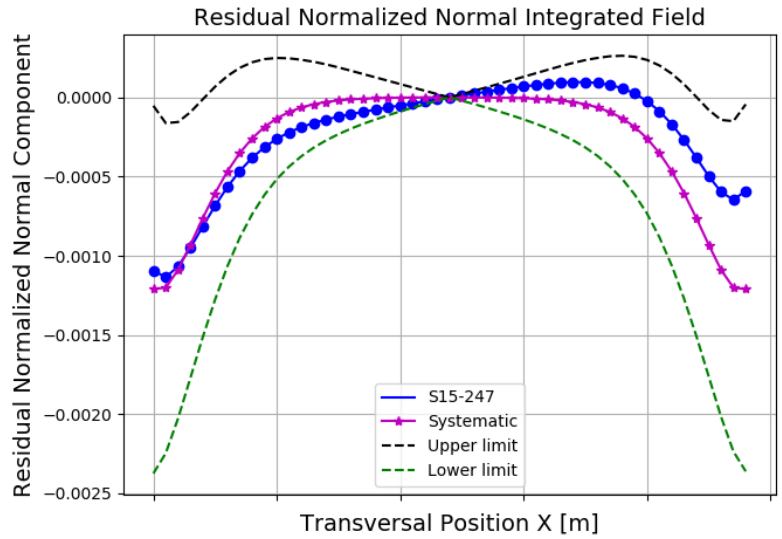
STORAGE RING MAGNET REPORT

Results

Date	13/07/2018
Hour	11:26:19
Temperature [°C]	22.797
Number of Measurements	9
Main Coil Current [A]	(167.7979 ± 0.0007)
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]	(-359.421 ± 0.003)
Magnet Center Offset X [μm] - (< ±40.0)	(13.79 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(21.9 ± 0.1)
Roll [mrad] - (< ±0.3)	(1.08 ± 0.07) 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)	(-3.85 ± 0.07) x E-4	(4.1 ± 0.1) x E-4
2 (quadrupole)	(-2.298 ± 0.008) x E-3	(-3.65 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(3.2 ± 0.2) x E-4
4	(3.0 ± 0.1) x E-4	(-3.7 ± 0.2) x E-4
5	(-6 ± 2) x E-5	(-1.1 ± 0.2) x E-4
6	(-9 ± 2) x E-5	(-7.47 ± 173.66) x E-7
7	(-2 ± 1) x E-5	(-3 ± 2) x E-5
8	(5 ± 1) x E-5	(3 ± 2) x E-5
9	(-2.08 ± 0.01) x E-3	(4.1 ± 0.2) x E-4
10	(-2.3 ± 11.1) x E-6	(4.0 ± 15.9) x E-6
11	(2 ± 1) x E-5	(-5 ± 3) x E-5
12	(2 ± 2) x E-5	(-1 ± 2) x E-5
13	(-6.5 ± 19.0) x E-6	(1 ± 1) x E-5
14	(-3 ± 2) x E-5	(-4 ± 2) x E-5
15	(1.31 ± 0.02) x E-3	(5 ± 2) x E-5

