



S15-246

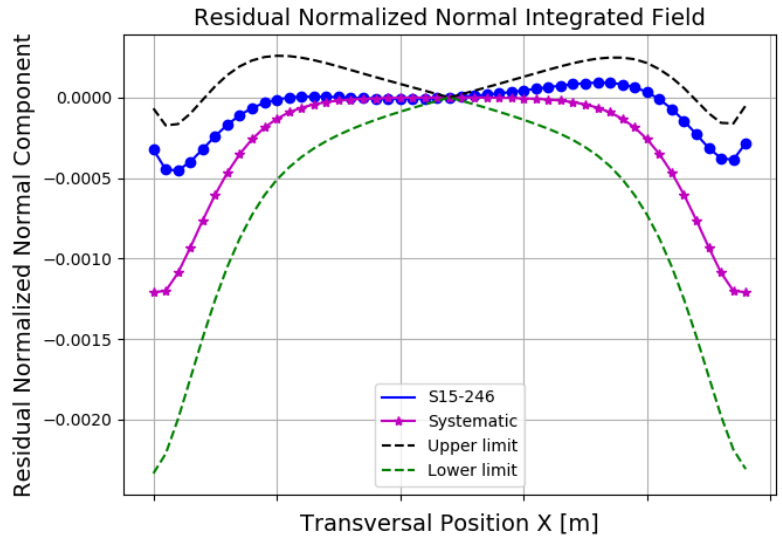
STORAGE RING MAGNET REPORT

Results

Date	08/08/2018
Hour	16:23:47
Temperature [°C]	23.519
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]	(-360.486 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(13.91 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(21.11 ± 0.03)
Roll [mrad] - (< ±0.3)	(1.62 ± 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⁾]
1 (dipole)	(-5.12 ± 0.03) x E-4	(2.37 ± 0.06) x E-4
2 (quadrupole)	(-2.319 ± 0.004) x E-3	(-3.518 ± 0.005) x E-3
3 (sextupole)	(1.000000 ± 0.000007)	(4.86 ± 0.06) x E-4
4	(1.05 ± 0.05) x E-4	(-3.48 ± 0.05) x E-4
5	(2.94 ± 0.03) x E-4	(3.7 ± 0.6) x E-5
6	(-7.4 ± 0.4) x E-5	(-1.4 ± 0.5) x E-5
7	(1.05 ± 0.04) x E-4	(-3.1 ± 0.4) x E-5
8	(9 ± 5) x E-6	(4.5 ± 0.5) x E-5
9	(-2.020 ± 0.005) x E-3	(3.8 ± 0.4) x E-5
10	(-2 ± 3) x E-6	(1.3 ± 0.4) x E-5
11	(-4 ± 4) x E-6	(-7 ± 7) x E-6
12	(1 ± 4) x E-6	(3 ± 4) x E-6
13	(-2.1 ± 0.3) x E-5	(2.3 ± 0.4) x E-5
14	(-1.9 ± 0.5) x E-5	(-3.7 ± 0.3) x E-5
15	(1.342 ± 0.004) x E-3	(6 ± 5) x E-6

