



S15-252

STORAGE RING MAGNET REPORT

Results

Date 11/07/2018

Hour 10:59:07

Temperature [°C] 22.929

Number of Measurements 9

Main Coil Current [A] (167.7991 ± 0.0005)

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] (-359.598 ± 0.004)

Magnet Center Offset X [μm] - (< ±40.0) (15.56 ± 0.04)

Magnet Center Offset Y [μm] - (< ±40.0) (19.76 ± 0.05)

Roll [mrad] - (< ±0.3) (5.0 ± 0.3) × E-2

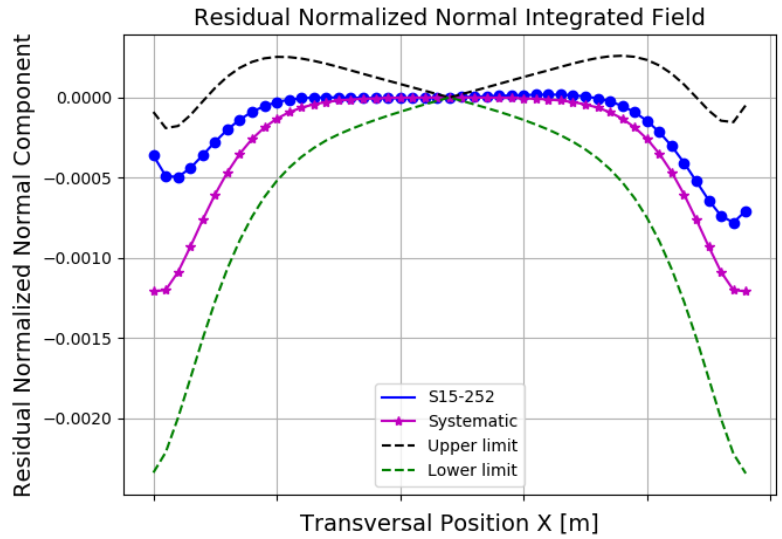
Electric Parameters

Inductance [mH] 3.157

Voltage [V] 6.0106

Resistance [mΩ] 35.82

Main Coil Number of Turns 11.25



Normalized Normal Multipoles $x=12.0$ mm [T.m⁽²⁻ⁿ⁾]

Normalized Skew Multipoles $x=12.0$ mm [T.m⁽²⁻ⁿ⁾]

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)	(-4.07 ± 0.06) × E-4	(6.0 ± 0.1) × E-4
2 (quadrupole)	(-2.593 ± 0.007) × E-3	(-3.294 ± 0.008) × E-3
3 (sextupole)	(1.00000 ± 0.00001)	(1.5 ± 0.1) × E-4
4	(5.2 ± 0.8) × E-5	(-1.9 ± 0.1) × E-4
5	(9.5 ± 0.8) × E-5	(-1.2 ± 0.1) × E-4
6	(-2.1 ± 0.1) × E-4	(-2 ± 1) × E-5
7	(4 ± 2) × E-5	(-5.7 ± 10.1) × E-6
8	(-2 ± 1) × E-5	(2 ± 2) × E-5
9	(-2.03 ± 0.01) × E-3	(3.8 ± 0.2) × E-4
10	(3.7 ± 16.5) × E-6	(-2 ± 1) × E-5
11	(9.2 ± 11.8) × E-6	(3 ± 1) × E-5
12	(9.4 ± 21.9) × E-6	(5.9 ± 13.9) × E-6
13	(-1 ± 2) × E-5	(2 ± 2) × E-5
14	(-1.5 ± 0.9) × E-5	(-2 ± 1) × E-5
15	(1.36 ± 0.01) × E-3	(-4 ± 1) × E-5

