



S15-211

STORAGE RING MAGNET REPORT

Results

Date 02/08/2018

Hour 11:15:37

Temperature [°C] 23.273

Number of Measurements 9

Main Coil Current [A] (167.7993 ± 0.0009)

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] (-360.125 ± 0.005)

Magnet Center Offset X [μm] - (< ±40.0) (13.24 ± 0.08)

Magnet Center Offset Y [μm] - (< ±40.0) (23.29 ± 0.09)

Roll [mrad] - (< ±0.3) (1.1 ± 0.2) × E-1

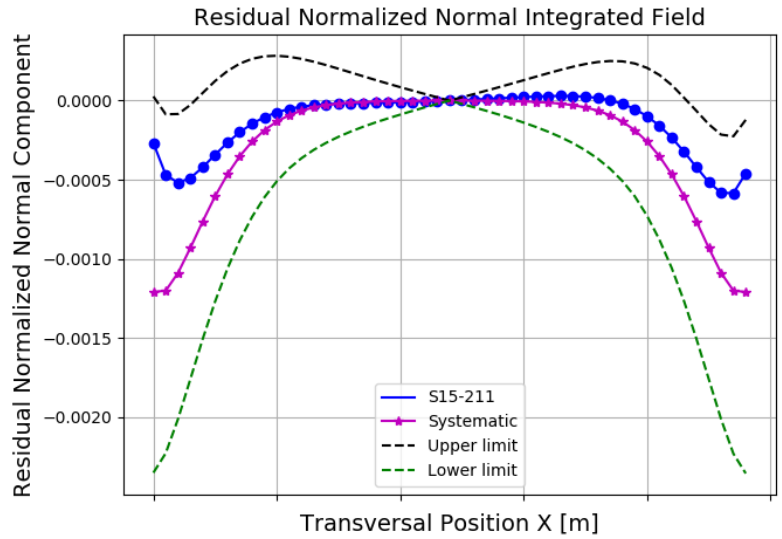
Electric Parameters

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

1 (dipole)

(-5.8 ± 0.7) × E-5

(-2.6 ± 0.1) × E-4

2 (quadrupole)

(-2.21 ± 0.01) × E-3

(-3.88 ± 0.01) × E-3

3 (sextupole)

(1.00000 ± 0.00002)

(3.4 ± 0.7) × E-4

4

(8 ± 2) × E-5

(9 ± 4) × E-5

5

(7 ± 2) × E-5

(-7 ± 3) × E-5

6

(-9 ± 3) × E-5

(3 ± 3) × E-5

7

(1 ± 3) × E-5

(2 ± 3) × E-5

8

(-6.0 ± 21.1) × E-6

(2 ± 2) × E-5

9

(-1.91 ± 0.04) × E-3

(7.2 ± 0.6) × E-4

10

(4.7 ± 29.8) × E-6

(-2 ± 4) × E-5

11

(-1 ± 3) × E-5

(1 ± 3) × E-5

12

(-2 ± 3) × E-5

(-1 ± 2) × E-5

13

(6.0 ± 19.5) × E-6

(2 ± 3) × E-5

14

(-7 ± 4) × E-5

(-6.4 ± 40.1) × E-6

15

(1.47 ± 0.04) × E-3

(-4 ± 5) × E-5

