



S15-258

STORAGE RING MAGNET REPORT

Results

Date 12/07/2018

Hour 11:47:41

Temperature [°C] 22.898

Number of Measurements 9

Main Coil Current [A] (167.797 ± 0.005)

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] (-359.664 ± 0.003)

Magnet Center Offset X [μm] - (< ±40.0) (11.85 ± 0.02)

Magnet Center Offset Y [μm] - (< ±40.0) (26.11 ± 0.08)

Roll [mrad] - (< ±0.3) (8 ± 9) × E-3

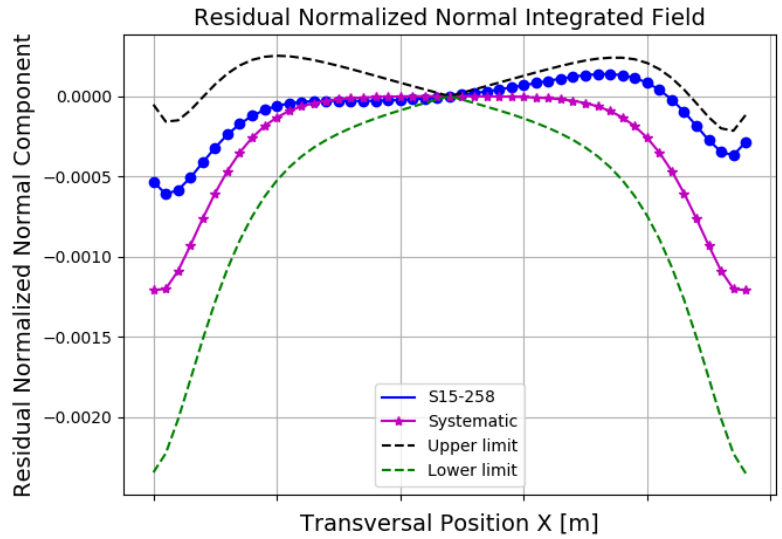
Electric Parameters

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)

(9.2 ± 0.9) × E-5

(4.89 ± 0.09) × E-4

2 (quadrupole)

(-1.975 ± 0.004) × E-3

(-4.35 ± 0.01) × E-3

3 (sextupole)

(1.00000 ± 0.00001)

(2 ± 3) × E-5

4

(2.00 ± 0.09) × E-4

(2.0 ± 0.1) × E-4

5

(3.2 ± 0.2) × E-4

(-2.0 ± 0.2) × E-4

6

(-1.2 ± 0.2) × E-4

(-1 ± 1) × E-5

7

(4 ± 2) × E-5

(3 ± 1) × E-5

8

(3 ± 2) × E-5

(-3 ± 2) × E-5

9

(-2.01 ± 0.01) × E-3

(3.3 ± 0.2) × E-4

10

(-8.6 ± 13.8) × E-6

(-3.73 ± 118.63) × E-7

11

(-4 ± 1) × E-5

(-2.5 ± 10.8) × E-6

12

(4 ± 1) × E-5

(7 ± 9) × E-6

13

(-5.7 ± 17.0) × E-6

(2 ± 1) × E-5

14

(-2 ± 1) × E-5

(1 ± 4) × E-6

15

(1.29 ± 0.01) × E-3

(2 ± 1) × E-5

