



S15-096

## STORAGE RING MAGNET REPORT

### Results

Date 31/07/2018

Hour 16:19:19

Temperature [°C] 23.255

Number of Measurements 9

Main Coil Current [A] (167.799 ± 0.001)

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] (-360.112 ± 0.006)

Magnet Center Offset X [μm] - (< ±40.0) (5.77 ± 0.06)

Magnet Center Offset Y [μm] - (< ±40.0) (20.9 ± 0.1)

Roll [mrad] - (< ±0.3) (9.1 ± 0.7) × E-2

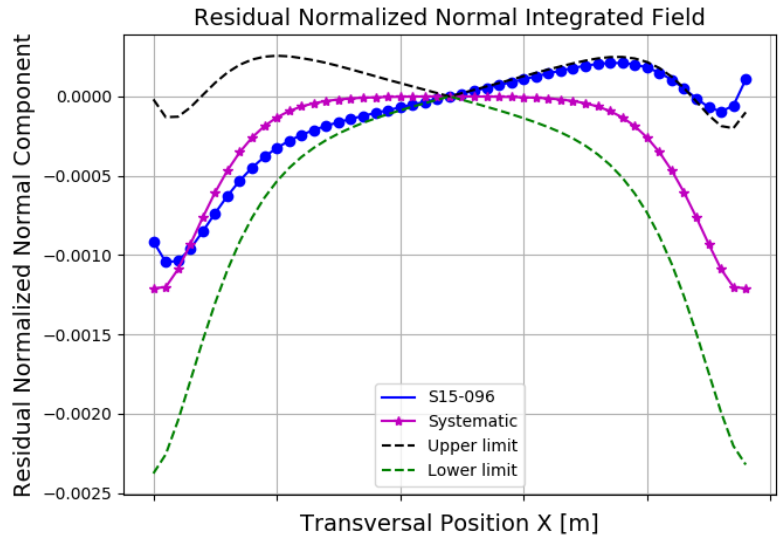
### Electric Parameters

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<sup>(2-n)</sup>]

Normalized  
Skew  
Multipoles  
x=12.0 mm  
[T.m<sup>(2-n)</sup>]

n

1 (dipole)

(-1.038 ± 0.007) × E-3

(3.6 ± 0.3) × E-4

2 (quadrupole)

(-9.6 ± 0.1) × E-4

(-3.48 ± 0.02) × E-3

3 (sextupole)

(1.00000 ± 0.00003)

(2.7 ± 0.2) × E-4

4

(4.2 ± 0.1) × E-4

(9 ± 2) × E-5

5

(3.4 ± 0.9) × E-5

(-9 ± 3) × E-5

6

(1.1 ± 0.2) × E-4

(-2 ± 2) × E-5

7

(2 ± 1) × E-5

(-2 ± 3) × E-5

8

(4 ± 1) × E-5

(1 ± 3) × E-5

9

(-1.87 ± 0.02) × E-3

(5.4 ± 0.3) × E-4

10

(-1 ± 2) × E-5

(-3 ± 2) × E-5

11

(3 ± 2) × E-5

(-1 ± 3) × E-5

12

(7.9 ± 20.4) × E-6

(7.1 ± 22.4) × E-6

13

(-1 ± 2) × E-5

(1 ± 2) × E-5

14

(-6 ± 3) × E-5

(-3 ± 3) × E-5

15

(1.40 ± 0.03) × E-3

(-2 ± 2) × E-5

