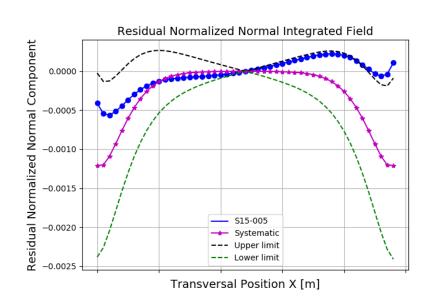


## S15-005

## STORAGE RING MAGNET REPORT

Results		
Date	15/08/2018	
Hour	08:47:08	
Temperature [°C]	23.487	
Number of Measurements	9	
Main Coil Current [A]	(167.7979 ± 0.0007	
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]	(-360.140 ± 0.003)	
Magnet Center Offset X [μm] - (< ±40.0)	(15.72 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(24.2 ± 0.1)	
Roll [mrad] - (< ±0.3)	(2.9 ± 0.6) x E-2	
Electric Parameters		
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [m $\Omega$ ]	35.82	
Main Coil Number of Turns	11.25	



	Normalized	Normalized
	Normal	Skew
n	Multipoles	Multipoles
	x=12.0 mm	x=12.0 mm
	[T.m <sup>(2-n)</sup> ]	[T.m <sup>(2-n)</sup> ]
1 (dipole)	(-4.93 ± 0.05) x E-4	(-3.2 ± 0.2) x E-4
2 (quadrupole)	(-2.620 ± 0.004) x E-3	(-4.03 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(9 ± 2) x E-5
4	(3.23 ± 0.06) x E-4	(1.0 ± 0.2) x E-4
5	(3.10 ± 0.04) x E-4	(-8 ± 2) x E-5
6	(-7 ± 1) x E-5	(-4 ± 2) x E-5
7	(1.34 ± 0.10) x E-4	(1 ± 1) x E-5
8	(2 ± 1) x E-5	(6 ± 1) x E-5
9	(-1.88 ± 0.01) x E-3	(1.7 ± 0.1) x E-4
10	(-8.2 ± 12.5) x E-6	(2 ± 1) x E-5
11	(-1.5 ± 0.9) x E-5	(-1 ± 2) x E-5
12	(5.7 ± 10.3) x E-6	(-7.25 ± 746.27) x E-8
13	(-2.3 ± 0.8) x E-5	(2 ± 1) x E-5
14	(-1 ± 1) x E-5	(-5 ± 1) x E-5
15	(1.327 ± 0.009) x E-3	(1.6 ± 11.5) x E-6

