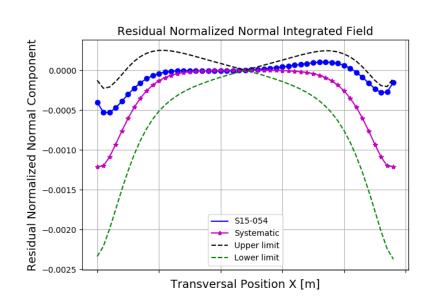


S15-054

STORAGE RING MAGNET REPORT

Results		
Date	02/07/2018	
Hour	13:43:29	
Temperature [°C]	24.201	
Number of Measurements	9	
Main Coil Current [A]	(167.798 ± 0.008	
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]	(-359.569 ± 0.002	
Magnet Center Offset X [μm] - (< ±40.0)	(14.55 ± 0.02)	
Magnet Center Offset Y [μm] - (< ±40.0)	(20.82 ± 0.03)	
Roll [mrad] - (< ±0.3)	(2.8 ± 0.3) x E-2	
Electric Parameters		
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [m Ω]	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 ⁽²⁻ⁿ⁾]	[T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-1.143 ± 0.007) x E-3	(-4.05 ± 0.08) x E-4
2 (quadrupole)	(-2.424 ± 0.003) x E-3	(-3.470 ± 0.005) x E-3
3 (sextupole)	(1.000000 ± 0.000007)	(8 ± 1) x E-5
4	(10 ± 1) x E-5	(9 ± 8) x E-6
5	(2.68 ± 0.06) x E-4	(9.2 ± 0.7) x E-5
6	(6.8 ± 0.7) x E-5	(-2.3 ± 0.9) x E-5
7	(1.20 ± 0.08) x E-4	(-2.9 ± 0.7) x E-5
8	(7 ± 8) x E-6	(2.5 ± 0.9) x E-5
9	(-2.00 ± 0.01) x E-3	(8 ± 1) x E-5
10	(-2.1 ± 11.3) x E-6	(3.3 ± 12.4) x E-6
11	(1.0 ± 0.6) x E-5	(-1.5 ± 0.8) x E-5
12	(-2.2 ± 0.7) x E-5	(-9.162 ± 1192.928) x E-8
13	(-5.9 ± 10.3) x E-6	(7.8 ± 12.8) x E-6
14	(-2.0 ± 0.8) x E-5	(-4 ± 1) x E-5
15	(1.335 ± 0.009) x E-3	(1.5 ± 0.9) x E-5

