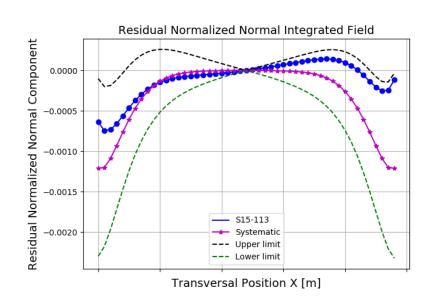


S15-113

STORAGE RING MAGNET REPORT

Results		
Date	07/07/2018	
Hour	11:51:24	
Temperature [°C]	23.687	
Number of Measurements	9	
Main Coil Current [A]	(167.798 ± 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]	(-359.651 ± 0.003	
Magnet Center Offset X [μm] - (< ±40.0)	(15.19 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(22.09 ± 0.08)	
Roll [mrad] - (< ±0.3)	(-5.5 ± 0.5) 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)	(-8.84 ± 0.05) x E-4	(5 ± 1) x E-5
2 (quadrupole)	(-2.531 ± 0.005) x E-3	(-3.68 ± 0.01) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(-1.7 ± 0.1) x E-4
4	(2.38 ± 0.08) x E-4	(3 ± 1) x E-5
5	(1.8 ± 0.1) x E-4	(-2.0 ± 0.1) x E-4
6	(6.4 ± 10.8) x E-6	(-7.5 ± 13.9) x E-6
7	(8 ± 1) x E-5	(4 ± 2) x E-5
8	(3 ± 1) x E-5	(2 ± 2) x E-5
9	(-1.98 ± 0.01) x E-3	(2.8 ± 0.2) x E-4
10	(6.8 ± 12.1) x E-6	(2 ± 2) x E-5
11	(3.7 ± 12.7) x E-6	(2.4 ± 14.0) x E-6
12	(3.0 ± 12.7) x E-6	(5.3 ± 19.1) x E-6
13	(-8.6 ± 11.6) x E-6	(2 ± 1) x E-5
14	(-2 ± 2) x E-5	(-3 ± 1) x E-5
15	(1.34 ± 0.02) x E-3	(-8.0 ± 0.9) x E-5

