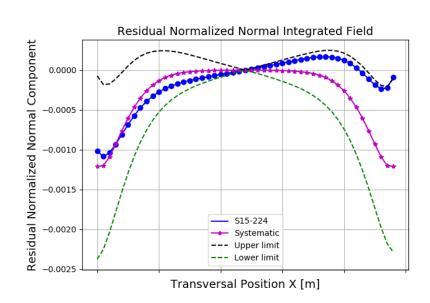


S15-224

STORAGE RING MAGNET REPORT

Results	
Date	24/07/2018
Hour	12:39:58
Temperature [°C]	23.597
Number of Measurements	9
Main Coil Current [A]	(167.7976 ± 0.0008
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]	(-359.702 ± 0.003)
Magnet Center Offset X [μm] - (< ±40.0)	(15.40 ± 0.06)
Magnet Center Offset Y [μm] - (< ±40.0)	(28.6 ± 0.1)
Roll [mrad] - (< ±0.3)	(7.7 ± 0.9) 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)	(-5.82 ± 0.07) x E-4	(-5.7 ± 0.1) x E-4
2 (quadrupole)	(-2.566 ± 0.010) x E-3	(-4.77 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(2.3 ± 0.3) x E-4
4	(3.4 ± 0.2) x E-4	(4 ± 2) x E-5
5	(5 ± 1) x E-5	(2.39 ± 0.09) x E-4
6	(1.2 ± 0.2) x E-4	(-3 ± 2) x E-5
7	(4 ± 1) x E-5	(-6 ± 2) x E-5
8	(-1 ± 2) x E-5	(-3 ± 2) x E-5
9	(-1.98 ± 0.02) x E-3	(5.1 ± 0.3) x E-4
10	(2.8 ± 16.6) x E-6	(4.6 ± 12.6) x E-6
11	(8.1 ± 18.1) x E-6	(-4 ± 2) x E-5
12	(-1 ± 2) x E-5	(2 ± 2) x E-5
13	(-7.6 ± 17.4) x E-6	(2 ± 2) x E-5
14	(3 ± 2) x E-5	(-3 ± 2) x E-5
15	(1.34 ± 0.03) x E-3	(-2 ± 3) x E-5

