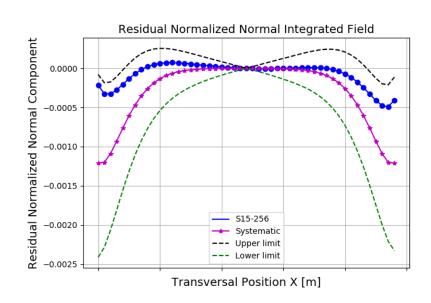


S15-256

STORAGE RING MAGNET REPORT

Results		
Date	04/09/2018	
Hour	12:01:33	
Temperature [°C]	23.405	
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]	(-360.542 ± 0.002	
Magnet Center Offset X [μm] - (< ±40.0)	(11.83 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(29.83 ± 0.07)	
Roll [mrad] - (< ±0.3)	(5.9 ± 0.4) 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)	(2.8 ± 0.6) x E-5	(5.1 ± 0.2) x E-4
2 (quadrupole)	(-1.971 ± 0.005) x E-3	(-4.97 ± 0.01) x E-3
3 (sextupole)	(1.000000 ± 0.000007)	(1.8 ± 0.1) x E-4
4	(-6.2 ± 0.8) x E-5	(10 ± 1) x E-5
5	(2.45 ± 0.08) x E-4	(-3.88 ± 135.57) x E-7
6	(-2.2 ± 0.6) x E-5	(-2 ± 2) x E-5
7	(8.7 ± 0.9) x E-5	(-2 ± 2) x E-5
8	(1.2 ± 1.0) x E-5	(4 ± 1) x E-5
9	(-1.813 ± 0.005) x E-3	(4.51 ± 0.07) x E-4
10	(-5 ± 7) x E-6	(-7.6 ± 12.7) x E-6
11	(-2.0 ± 0.8) x E-5	(1.4 ± 0.8) x E-5
12	(1.5 ± 1.0) x E-5	(-1.19 ± 121.70) x E-7
13	(-2.3 ± 0.5) x E-5	(1 ± 1) x E-5
14	(-3.2 ± 0.7) x E-5	(-3.2 ± 0.8) x E-5
15	(1.211 ± 0.009) x E-3	(-1.94 ± 0.07) x E-4

