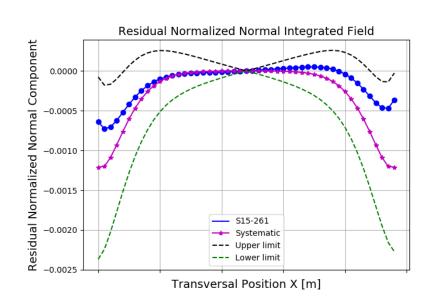


## S15-261

## STORAGE RING MAGNET REPORT

Results		
Date	07/07/2018	
Hour	10:06:34	
Temperature [°C]	23.664	
Number of Measurements	9	
Main Coil Current [A]	(167.799 ± 0.007	
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]	(-359.866 ± 0.002	
Magnet Center Offset X [μm] - (< ±40.0)	(11.93 ± 0.02)	
Magnet Center Offset Y [μm] - (< ±40.0)	(34.16 ± 0.03)	
Roll [mrad] - (< ±0.3)	(-7.9 ± 0.3) x E-2	
Electric Parameters	1	
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [m $\Omega$ ]	35.82	
Main Coil Number of Turns	11.25	



n	Normalized  Normal  Multipoles  x=12.0 mm  [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=12.0 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(-4.40 ± 0.07) x E-4	(3.32 ± 0.08) x E-4
2 (quadrupole)	(-1.988 ± 0.003) x E-3	(-5.693 ± 0.006) x E-3
3 (sextupole)	(1.000000 ± 0.000010)	(-2.37 ± 0.09) x E-4
4	(1.03 ± 0.07) x E-4	(2.55 ± 0.07) x E-4
5	(8.7 ± 0.6) x E-5	(-2.09 ± 0.08) x E-4
6	(-2.5 ± 11.3) x E-6	(-2 ± 10) x E-6
7	(3.8 ± 1.0) x E-5	(7.1 ± 0.9) x E-5
8	(2.8 ± 0.9) x E-5	(8 ± 1) x E-5
9	(-1.92 ± 0.01) x E-3	(2.3 ± 0.1) x E-4
10	(3.8 ± 0.9) x E-5	(-2.9 ± 1.0) x E-5
11	(1 ± 1) x E-5	(1.01 ± 142.33) x E-7
12	(-4 ± 9) x E-6	(-6.7 ± 13.9) x E-6
13	(-1.3 ± 0.9) x E-5	(1.3 ± 12.1) x E-6
14	(-2 ± 1) x E-5	(-5 ± 1) x E-5
15	(1.300 ± 0.006) x E-3	(-4.2 ± 0.8) x E-5

