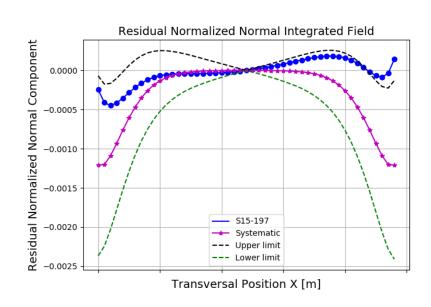


## S15-197

## STORAGE RING MAGNET REPORT

Results		
Date	01/08/2018	
Hour	11:55:27	
Temperature [°C]	23.509	
Number of Measurements	9	
Main Coil Current [A]	(167.7985 ± 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]	(-359.756 ± 0.004)	
Magnet Center Offset X [μm] - (< ±40.0)	(6.78 ± 0.07)	
Magnet Center Offset Y [μm] - (< ±40.0)	(22.4 ± 0.1)	
Roll [mrad] - (< ±0.3)	(5.9 ± 1.0) 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	



	Normalized	Normalized		
n	Normal Multipoles	Skew Multipoles		
			x=12.0 mm	x=12.0 mm
			[T.m <sup>(2-n)</sup> ]	[T.m <sup>(2-n)</sup> ]
	1 (dipole)	(-7.30 ± 0.06) x E-4	(7.9 ± 0.2) x E-4	
	2 (quadrupole)	(-1.13 ± 0.01) x E-3	(-3.74 ± 0.02) x E-3	
3 (sextupole)	(1.00000 ± 0.00001)	(1.8 ± 0.3) x E-4		
4	(2.4 ± 0.2) x E-4	(-9 ± 3) x E-5		
5	(3.5 ± 0.3) x E-4	(6.3 ± 18.6) x E-6		
6	(-9 ± 1) x E-5	(-1 ± 2) x E-5		
7	(9 ± 2) x E-5	(-6.5 ± 28.4) x E-6		
8	(3 ± 2) x E-5	(6 ± 3) x E-5		
9	(-1.89 ± 0.03) x E-3	(6.7 ± 0.2) x E-4		
10	(1 ± 3) x E-5	(-4 ± 3) x E-5		
11	(2 ± 3) x E-5	(-2 ± 3) x E-5		
12	(2.41 ± 100.90) x E-7	(-2 ± 3) x E-5		
13	(-4 ± 1) x E-5	(2 ± 2) x E-5		
14	(-6.6 ± 23.4) x E-6	(-4 ± 3) x E-5		
15	(1.41 ± 0.03) x E-3	(8 ± 2) x E-5		

