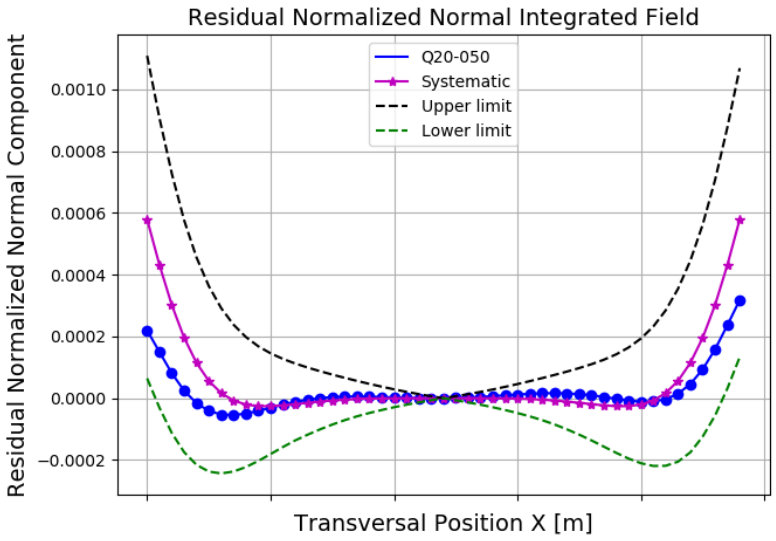
Q20-050

STORAGE RING MAGNET REPORT

Results	
Date	04/06/2018
Hour	09:30:06
Temperature [°C]	23.08
Number of Measurements	9
Main Coil Current [A]	(157.3606 ± 0.0009)
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]	(-9.08310 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(19.56 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(4.24 ± 0.04)
Roll [mrad] - (< ±0.3)	(7.4 ± 0.2) x E-2
Electric Parameters	
Indutance [mH]	8.9467
Voltage [V]	5.42
Resistance [mΩ]	34.4
Main Coil Number of Turns	23.25



n	Normalized Normal Multipoles x=12.0 mm [T.m$^{(2-n)}$]	Normalized Skew Multipoles x=12.0 mm [T.m$^{(2-n)}$]
1 (dipole)	(-1.630 ± 0.003) x E-3	(-3.53 ± 0.03) x E-4
2 (quadrupole)	(1.000000 ± 0.000007)	(1.48 ± 0.05) x E-4
3 (sextupole)	(1.1 ± 0.2) x E-5	(1.20 ± 0.03) x E-4
4	(1.92 ± 0.04) x E-4	(-6.2 ± 0.3) x E-5
5	(4.0 ± 0.4) x E-5	(-3.8 ± 0.3) x E-5
6	(-8.86 ± 0.04) x E-4	(8.2 ± 0.3) x E-5
7	(1.1 ± 0.3) x E-5	(-2.3 ± 57.4) x E-7
8	(-1.1 ± 0.6) x E-5	(2 ± 4) x E-6
9	(-3.0 ± 0.3) x E-5	(-2 ± 3) x E-6
10	(1.686 ± 0.004) x E-3	(-5.4 ± 0.3) x E-5
11	(3.2 ± 23.6) x E-7	(10 ± 3) x E-6
12	(6 ± 5) x E-6	(5 ± 5) x E-6
13	(1.8 ± 0.6) x E-5	(3 ± 3) x E-6
14	(-7.18 ± 0.04) x E-4	(2.7 ± 0.6) x E-5
15	(-1 ± 3) x E-6	(-5 ± 6) x E-6