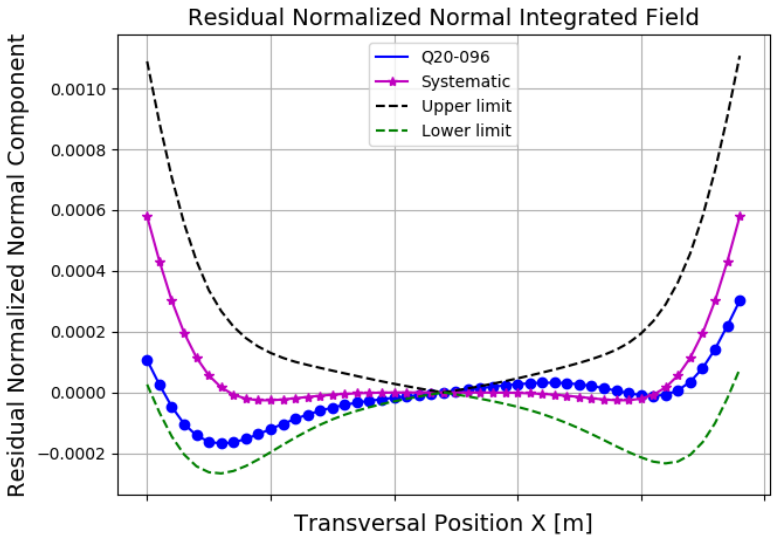
Q20-096

STORAGE RING MAGNET REPORT

Results	
Date	25/05/2018
Hour	11:49:20
Temperature [°C]	23.58
Number of Measurements	9
Main Coil Current [A]	(157.5173 ± 0.0010)
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]	(-9.08898 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(11.86 ± 0.04)
Magnet Center Offset Y [μm] - (< ±40.0)	(6.13 ± 0.04)
Roll [mrad] - (< ±0.3)	(1.66 ± 0.02) x E-1
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)	(-9.89 ± 0.03) x E-4	(-5.11 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000006)	(3.32 ± 0.04) x E-4
3 (sextupole)	(1.09 ± 0.03) x E-4	(8.1 ± 0.5) x E-5
4	(4.7 ± 0.2) x E-5	(-2.7 ± 0.4) x E-5
5	(-5 ± 5) x E-6	(4 ± 4) x E-6
6	(-8.12 ± 0.04) x E-4	(8.0 ± 0.4) x E-5
7	(5 ± 3) x E-6	(-6 ± 4) x E-6
8	(-7 ± 4) x E-6	(-8.040 ± 5483.273) x E-9
9	(-4 ± 6) x E-6	(-1.0 ± 0.4) x E-5
10	(1.648 ± 0.005) x E-3	(-3.2 ± 0.5) x E-5
11	(-2 ± 4) x E-6	(5 ± 4) x E-6
12	(1.1 ± 0.3) x E-5	(-5 ± 3) x E-6
13	(-1.9 ± 57.6) x E-7	(1.1 ± 0.7) x E-5
14	(-6.81 ± 0.07) x E-4	(8 ± 5) x E-6
15	(-6 ± 5) x E-6	(-7 ± 6) x E-6