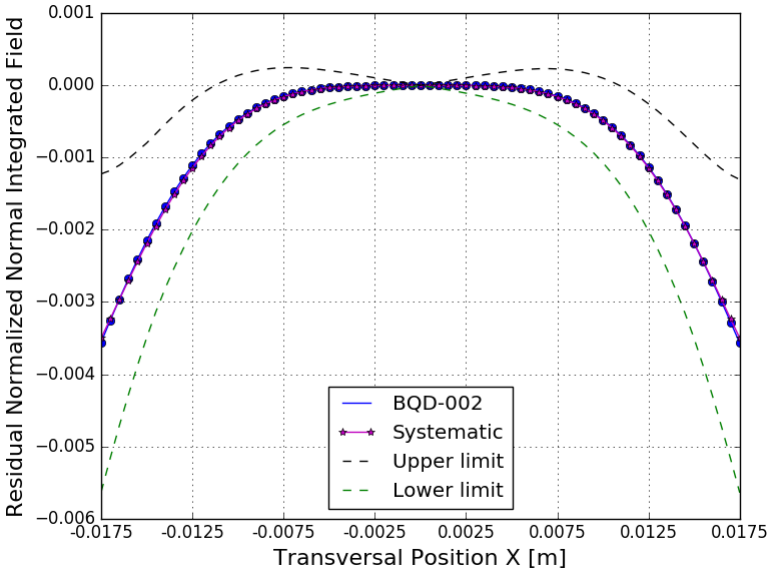
BQD-002

BOOSTER MAGNET REPORT

Results	
Date	05/05/2016
Hour	09:33:44
Temperature [°C]	23.2
Number of Measurements	17
Main Coil Current [A]	(31.9845 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-5.29115 ± 0.00004) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-9.2 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-33.4 ± 0.2)
Roll [mrad] - (< ±0.8)	(-4.7 ± 0.2) x E-1
Electric Parameters	
Indutance [mH]	3.699
Voltage [V]	0.2792
Resistance [mΩ]	27.92
Main Coil Number of Turns	27.5



n	Normalized Normal Multipoles x=17.5 mm [T.m$^{(2-n)}$]	Normalized Skew Multipoles x=17.5 mm [T.m$^{(2-n)}$]
1 (dipole)	(-5.2 ± 0.1) x E-4	(-1.91 ± 0.01) x E-3
2 (quadrupole)	(1.000000 ± 0.000008)	(-9.4 ± 0.1) x E-4
3 (sextupole)	(2 ± 1) x E-5	(-6.3 ± 0.1) x E-4
4	(3.5 ± 0.9) x E-5	(8 ± 1) x E-5
5	(-8.9 ± 1.0) x E-5	(5 ± 2) x E-5
6	(-4.64 ± 0.01) x E-3	(-4 ± 2) x E-5
7	(5 ± 1) x E-5	(7.4 ± 15.4) x E-6
8	(-4 ± 2) x E-5	(-4 ± 2) x E-5
9	(-2 ± 2) x E-5	(-1 ± 2) x E-5
10	(1.17 ± 0.02) x E-3	(-1 ± 2) x E-5
11	(3 ± 3) x E-5	(-2 ± 2) x E-5
12	(1 ± 3) x E-5	(-9.7 ± 19.2) x E-6
13	(-1 ± 2) x E-5	(-3 ± 2) x E-5
14	(-1.0 ± 0.2) x E-4	(-4 ± 2) x E-5
15	(3 ± 2) x E-5	(-3 ± 2) x E-5