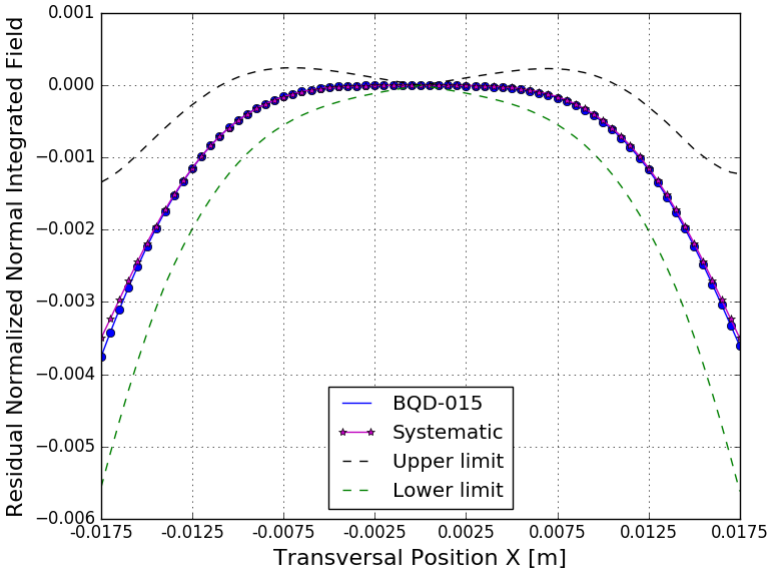
BQD-015

BOOSTER MAGNET REPORT

Results	
Date	11/05/2016
Hour	10:06:38
Temperature [°C]	23.3
Number of Measurements	17
Main Coil Current [A]	(31.9629 ± 0.0006)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-5.29651 ± 0.00005) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-26.2 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-42.6 ± 0.2)
Roll [mrad] - (< ±0.8)	(-2.9 ± 0.2) x E-1
Electric Parameters	
Indutance [mH]	3.742
Voltage [V]	0.2742
Resistance [mΩ]	27.42
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)	(-1.495 ± 0.006) x E-3	(-2.44 ± 0.01) x E-3
2 (quadrupole)	(1.000000 ± 0.000009)	(-5.8 ± 0.1) x E-4
3 (sextupole)	(-2.0 ± 0.7) x E-5	(-9.7 ± 0.1) x E-4
4	(-4 ± 1) x E-5	(7 ± 1) x E-5
5	(-2 ± 2) x E-5	(4 ± 2) x E-5
6	(-4.64 ± 0.01) x E-3	(-5 ± 2) x E-5
7	(7 ± 1) x E-5	(2 ± 2) x E-5
8	(-6 ± 1) x E-5	(-9.8 ± 19.7) x E-6
9	(-4 ± 1) x E-5	(-3 ± 2) x E-5
10	(1.18 ± 0.02) x E-3	(-6 ± 2) x E-5
11	(3 ± 2) x E-5	(-7.48 ± 226.83) x E-7
12	(-2 ± 1) x E-5	(2 ± 3) x E-5
13	(8.3 ± 20.8) x E-6	(-3 ± 3) x E-5
14	(-1.0 ± 0.3) x E-4	(-7 ± 2) x E-5
15	(4 ± 2) x E-5	(-2 ± 3) x E-5