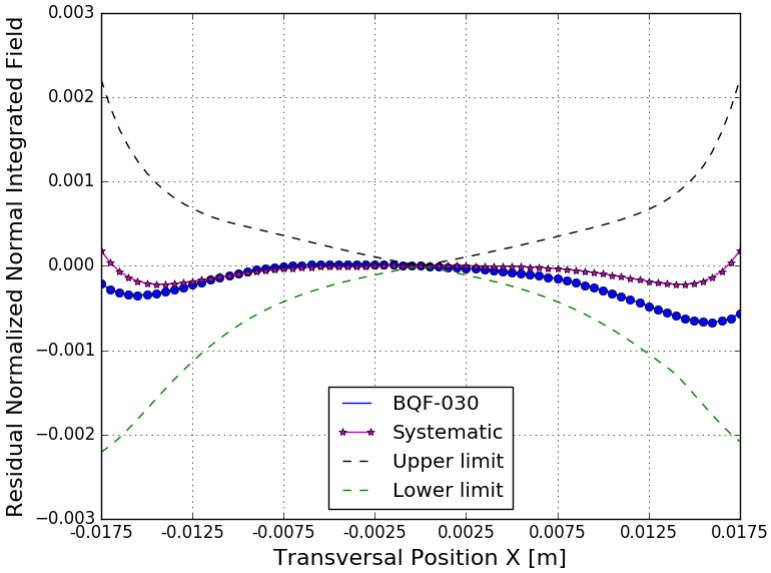
BQF-030

BOOSTER MAGNET REPORT

Results	
Date	12/04/2016
Hour	14:21:26
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0227 ± 0.0004)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.82718 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(18.42 ± 0.05)
Magnet Center Offset Y [μm] - (< ±160.0)	(-25.70 ± 0.05)
Roll [mrad] - (< ±0.8)	(-5.27 ± 0.03) x E-1
Electric Parameters	
Indutance [mH]	8.239
Voltage [V]	0.484
Resistance [mΩ]	48.40
Main Coil Number of Turns	26.25



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)	(1.053 ± 0.003) x E-3	(-1.469 ± 0.003) x E-3
2 (quadrupole)	(1.000000 ± 0.000003)	(-1.055 ± 0.002) x E-3
3 (sextupole)	(-1.64 ± 0.05) x E-4	(-5.86 ± 0.04) x E-4
4	(-2.29 ± 0.03) x E-4	(6.5 ± 0.3) x E-5
5	(-5.3 ± 0.3) x E-5	(2.8 ± 0.4) x E-5
6	(-1.175 ± 0.003) x E-3	(-1.0 ± 0.3) x E-5
7	(5.9 ± 0.1) x E-5	(10 ± 4) x E-6
8	(-1.3 ± 0.4) x E-5	(2 ± 5) x E-6
9	(-2.4 ± 0.6) x E-5	(5 ± 5) x E-6
10	(1.114 ± 0.004) x E-3	(-1.3 ± 0.3) x E-5
11	(2.0 ± 0.4) x E-5	(-1.5 ± 0.7) x E-5
12	(6 ± 5) x E-6	(1.9 ± 0.6) x E-5
13	(-3.5 ± 0.6) x E-5	(2.3 ± 0.5) x E-5
14	(-9.0 ± 0.5) x E-5	(-1.8 ± 0.5) x E-5
15	(2.3 ± 0.5) x E-5	(-8 ± 4) x E-6