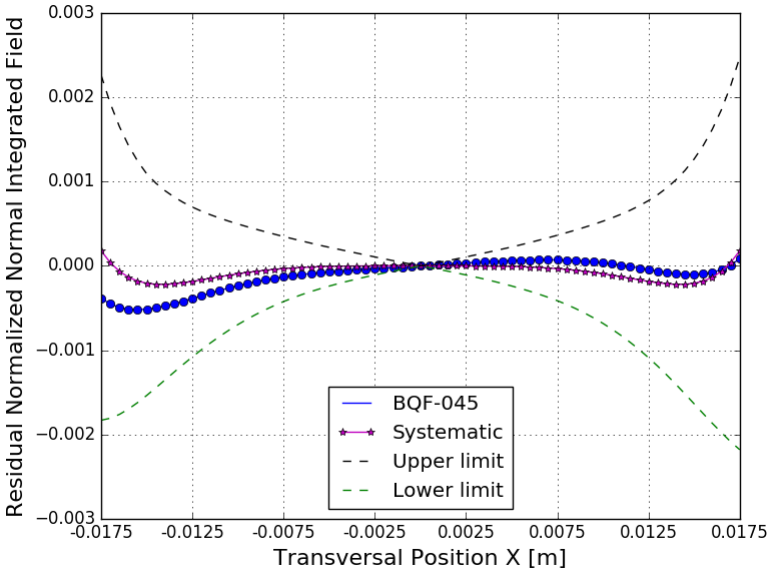
BQF-045

BOOSTER MAGNET REPORT

Results	
Date	15/04/2016
Hour	15:34:32
Temperature [°C]	21.4
Number of Measurements	17
Main Coil Current [A]	(129.9999 ± 0.0004)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.83333 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(27.61 ± 0.08)
Magnet Center Offset Y [μm] - (< ±160.0)	(-16.43 ± 0.06)
Roll [mrad] - (< ±0.8)	(-3.35 ± 0.03) x E-1
Electric Parameters	
Indutance [mH]	8.285
Voltage [V]	0.481
Resistance [mΩ]	48.10
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)	(1.578 ± 0.005) x E-3	(-9.39 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000003)	(-6.70 ± 0.02) x E-4
3 (sextupole)	(2.34 ± 0.03) x E-4	(-9.04 ± 0.02) x E-4
4	(4.8 ± 0.3) x E-5	(1.33 ± 0.05) x E-4
5	(4 ± 3) x E-6	(7.3 ± 0.4) x E-5
6	(-1.186 ± 0.003) x E-3	(-1.0 ± 0.3) x E-5
7	(2.6 ± 0.4) x E-5	(1 ± 5) x E-6
8	(-2.3 ± 0.2) x E-5	(-2.8 ± 0.4) x E-5
9	(-2.8 ± 0.3) x E-5	(-6 ± 4) x E-6
10	(1.094 ± 0.002) x E-3	(-2.4 ± 0.5) x E-5
11	(1.4 ± 0.4) x E-5	(-2.7 ± 0.4) x E-5
12	(9 ± 4) x E-6	(2.5 ± 0.3) x E-5
13	(-1.8 ± 0.4) x E-5	(1.4 ± 0.6) x E-5
14	(-9.3 ± 0.7) x E-5	(-2.8 ± 0.6) x E-5
15	(3 ± 3) x E-6	(-1.1 ± 0.4) x E-5