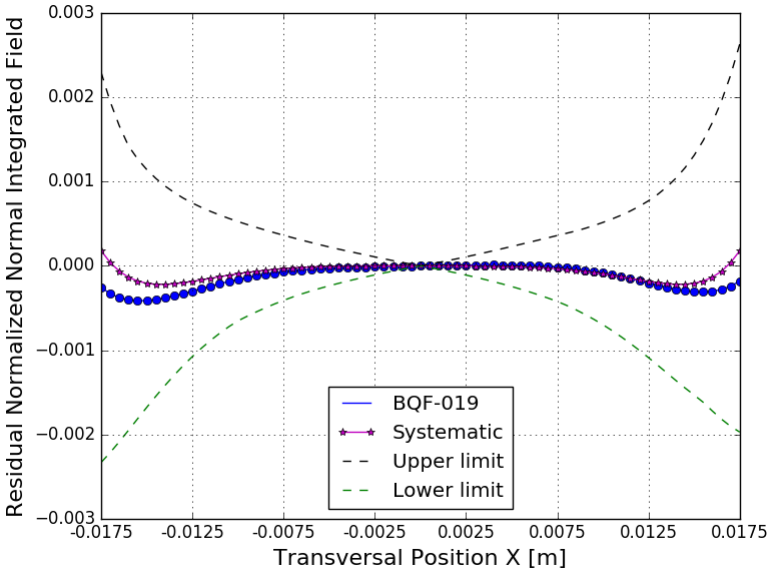
BQF-019

BOOSTER MAGNET REPORT

Results	
Date	08/04/2016
Hour	15:09:38
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0127 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.82315 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(10.32 ± 0.04)
Magnet Center Offset Y [μm] - (< ±160.0)	(-30.96 ± 0.06)
Roll [mrad] - (< ±0.8)	(-5.10 ± 0.03) x E-1
Electric Parameters	
Indutance [mH]	8.257
Voltage [V]	0.488
Resistance [mΩ]	48.80
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)	(5.90 ± 0.02) x E-4	(-1.769 ± 0.004) x E-3
2 (quadrupole)	(1.000000 ± 0.000002)	(-1.021 ± 0.002) x E-3
3 (sextupole)	(6.9 ± 0.2) x E-5	(-8.23 ± 0.04) x E-4
4	(-1.7 ± 0.3) x E-5	(6.5 ± 0.4) x E-5
5	(-9 ± 3) x E-6	(5.5 ± 0.5) x E-5
6	(-1.209 ± 0.003) x E-3	(-5 ± 2) x E-6
7	(2.1 ± 0.3) x E-5	(-2 ± 3) x E-6
8	(-7 ± 5) x E-6	(-3.7 ± 0.4) x E-5
9	(-1.8 ± 0.3) x E-5	(4 ± 3) x E-6
10	(1.108 ± 0.002) x E-3	(-1 ± 3) x E-6
11	(-9.0 ± 36.1) x E-7	(-2.7 ± 0.6) x E-5
12	(6 ± 6) x E-6	(8 ± 3) x E-6
13	(-1.0 ± 0.4) x E-5	(2.4 ± 0.6) x E-5
14	(-10.0 ± 0.5) x E-5	(-8.6 ± 44.7) x E-7
15	(-1.3 ± 0.4) x E-5	(-1.4 ± 0.7) x E-5