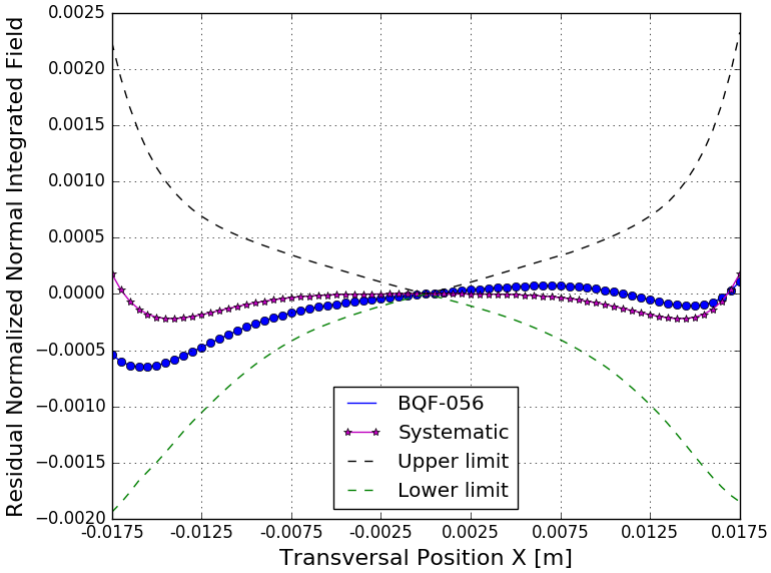
BQF-056

BOOSTER MAGNET REPORT

Results	
Date	15/04/2016
Hour	08:53:02
Temperature [°C]	21.5
Number of Measurements	17
Main Coil Current [A]	(130.0136 ± 0.0004)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.82440 ± 0.00005)
Magnet Center Offset X [μm] - (< ±160.0)	(30.2 ± 0.3)
Magnet Center Offset Y [μm] - (< ±160.0)	(-19.8 ± 0.2)
Roll [mrad] - (< ±0.8)	(-3.7 ± 0.2) x E-1
Electric Parameters	
Indutance [mH]	8.323
Voltage [V]	0.486
Resistance [mΩ]	48.60
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)	(1.73 ± 0.02) x E-3	(-1.13 ± 0.01) x E-3
2 (quadrupole)	(1.000000 ± 0.000010)	(-7.4 ± 0.1) x E-4
3 (sextupole)	(2.7 ± 0.2) x E-4	(-3.3 ± 0.2) x E-4
4	(-5 ± 2) x E-5	(1.2 ± 0.1) x E-4
5	(5 ± 2) x E-5	(-4 ± 2) x E-5
6	(-1.20 ± 0.02) x E-3	(-2 ± 2) x E-5
7	(6.9 ± 17.6) x E-6	(9.5 ± 17.0) x E-6
8	(-7.2 ± 15.4) x E-6	(2.4 ± 86.1) x E-7
9	(-2.7 ± 16.6) x E-6	(5.9 ± 11.0) x E-6
10	(1.12 ± 0.01) x E-3	(-2.3 ± 0.9) x E-5
11	(2.9 ± 11.0) x E-6	(-8 ± 10) x E-6
12	(3 ± 7) x E-6	(3.3 ± 0.9) x E-5
13	(-1.6 ± 0.7) x E-5	(1.4 ± 0.9) x E-5
14	(-8.5 ± 0.9) x E-5	(-1.3 ± 0.9) x E-5
15	(1.4 ± 0.7) x E-5	(-2 ± 5) x E-6