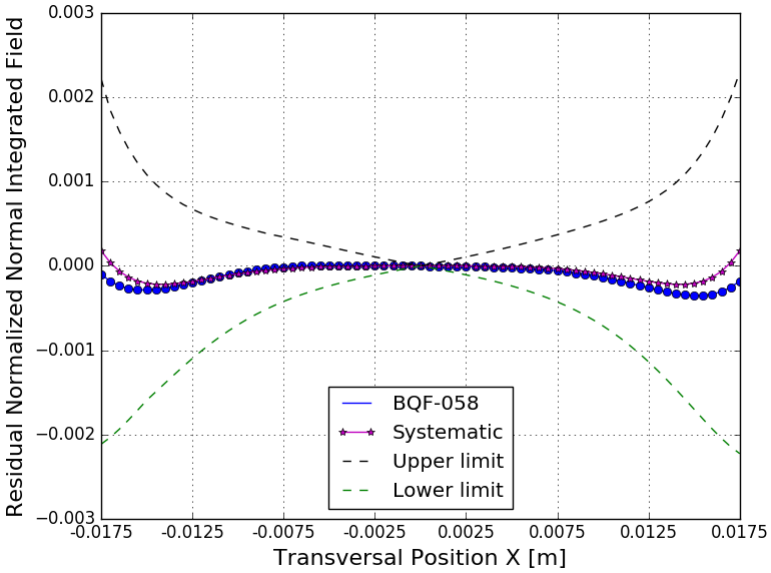
BQF-058

BOOSTER MAGNET REPORT

Results	
Date	14/04/2016
Hour	14:22:15
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0073 ± 0.0005)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.83147 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(-9.32 ± 0.04)
Magnet Center Offset Y [μm] - (< ±160.0)	(-43.23 ± 0.07)
Roll [mrad] - (< ±0.8)	(-3.90 ± 0.02) x E-1
Electric Parameters	
Indutance [mH]	8.268
Voltage [V]	0.485
Resistance [mΩ]	48.50
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)	(-5.33 ± 0.02) x E-4	(-2.470 ± 0.004) x E-3
2 (quadrupole)	(1.000000 ± 0.000002)	(-7.79 ± 0.02) x E-4
3 (sextupole)	(-5.4 ± 0.2) x E-5	(-4.27 ± 0.05) x E-4
4	(1.6 ± 0.3) x E-5	(9.4 ± 0.4) x E-5
5	(2 ± 3) x E-6	(4.1 ± 0.3) x E-5
6	(-1.190 ± 0.004) x E-3	(2 ± 5) x E-6
7	(3.3 ± 0.4) x E-5	(-1.6 ± 0.5) x E-5
8	(-8 ± 3) x E-6	(-4.2 ± 0.3) x E-5
9	(-4 ± 4) x E-6	(6 ± 4) x E-6
10	(1.128 ± 0.005) x E-3	(1.0 ± 0.4) x E-5
11	(-4.3 ± 42.9) x E-7	(-1.5 ± 0.5) x E-5
12	(3 ± 4) x E-6	(-8 ± 3) x E-6
13	(7 ± 3) x E-6	(1.1 ± 0.5) x E-5
14	(-9.0 ± 0.8) x E-5	(8 ± 5) x E-6
15	(-2.4 ± 0.5) x E-5	(6 ± 8) x E-6