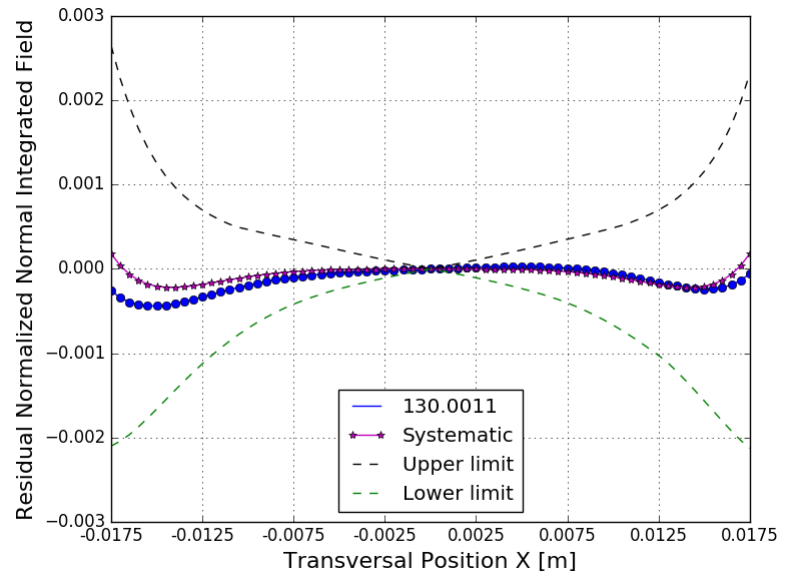


**BQF-043****BOOSTER MAGNET REPORT****Results**

Date	15/04/2016
Hour	12:03:44
Temperature [°C]	21.5
Number of Measurements	17
Main Coil Current [A]	(130.0011 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.82956 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(3.14 ± 0.06)
Magnet Center Offset Y [μm] - (< ±160.0)	(-5.58 ± 0.05)
Roll [mrad] - (< ±0.8)	(-3.49 ± 0.03) × E-1

Electric Parameters

Inductance [mH]	8.330
Voltage [V]	0.482
Resistance [mΩ]	3.708
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)	(1.80 ± 0.04) × E-4	(-3.19 ± 0.03) × E-4
2 (quadrupole)	(1.000000 ± 0.000002)	(-6.98 ± 0.02) × E-4
3 (sextupole)	(1.31 ± 0.04) × E-4	(-9.86 ± 0.03) × E-4
4	(-3.2 ± 0.3) × E-5	(1.90 ± 0.03) × E-4
5	(-2.4 ± 0.2) × E-5	(4.6 ± 0.3) × E-5
6	(-1.163 ± 0.002) × E-3	(-1.1 ± 0.3) × E-5
7	(2.4 ± 0.3) × E-5	(1.3 ± 0.4) × E-5
8	(-10 ± 3) × E-6	(-3.5 ± 0.3) × E-5
9	(-2.7 ± 0.4) × E-5	(1.0 ± 0.5) × E-5
10	(1.119 ± 0.004) × E-3	(-6 ± 4) × E-6
11	(1.0 ± 0.4) × E-5	(-1.9 ± 0.3) × E-5
12	(1.0 ± 0.4) × E-5	(1.1 ± 0.6) × E-5
13	(-1.1 ± 0.6) × E-5	(2.9 ± 0.6) × E-5
14	(-8.5 ± 0.4) × E-5	(-8 ± 5) × E-6
15	(-3 ± 4) × E-6	(-1.3 ± 0.2) × E-5

