Field Quality of LHC/Saclay Arc Quadrupole Magnet Prototype, J. BELORGEY, J. DEREGEL, A. DEVRED, B. GALLET, J.M. RIFFLET, J.Cl. SELLIER, P. VEDRINE, CEA Saclay; J. BILLAN, CERN - As part of the magnet R&D program for the LHC, CEA Saclay has designed and built two 56-mm-twin-aperture, 3-m-long arc quadrupole magnet prototypes. Extensive harmonic field measurements were performed during the cold test of the second prototype using a newly developed rotating coil array. After a brief description of this new equipment, a detailed review of the field quality data as a function of axial position, current and current ramp rate is presented.