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Alexander A. Katz (katza@stjohns.edu), Dep. of Math & CS, St. John's College of LAS, St. John's University, 300 Howard Avenue, DaSilva 314, Staten Island, NY 10301, and **Oleg Friedman*** (friedman001@yahoo.com), Department of Mathematical Sciences, University of South Africa, P.O. Box 392, Pretoria, 0003, South Africa. *On Dual Space Characterizations of Real Locally C^* - and Locally JB-Algebras.*

The Jordan decomposition of a signed measure theorem is generalized to obtain a characterization of the real locally C^* -algebras (projective limits of real C^* -algebras) among real locally multiplicatively convex $*$ -algebras as those having decomposition of a continuous hermitian linear functional into a difference of two positive linear functionals. Analogous results are obtained as well for the locally JB-algebras (projective limits of JB-algebras). (Received September 20, 2007)