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Analysis of charging of the spacecraft developed by NPO Lavochkin using
electrophysical modeling and the in-situ measurements

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Measurement results of charging of spacecraft developed by NPO Lavochkin are reported. Measurements were obtained by onboard charging control system (system includes static electric field sensors and noise sensors mounted on spacecraft surface). Results of electrophysical modeling of spacecraft charging are reported. Comparative analysis of obtained results are discussed. Several alterations of initial data for performance simulation of environmental parameters in order to ensure a better convergence of electrophysical modeling calculated values and in-situ measurements has been elaborated.