Dear Editors!

This is the cover letter for the paper „Reliable, accurate and scalable ADC test methods for standard software platforms”. This paper is the extended version of the paper „Reliable ADC testing using LabVIEW”, presented at the IMEKO 2014 TC-4 conference in Benevento. The improvements and modifications are the following:

* The problems of ADC testing are explained in more detail, especially the difficulties of fulfilling the conditions defined by the ADC test standard and the consequences.
* The solution of the problem of finding the best coherent record part was further developed. A probability based approach was introduced and presented in the paper.
* The maximum likelihood algorithm is presented in more detail. The model of the measurement setup, statistical properties, challenges of optimization and numerical recipes are also included.
* The original paper presented a LabVIEW tool only, this paper presents a MATLAB version also. Both tools are free to use.
* The test results were supplemented with simulation results of the coherence analysis method.

Yours sincerely,

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