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AMC and RTM Boards Intended for Performance Evaluation of MTCA.4 Based Modules

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In this contribution a pair of two MTCA.4 based modules, AMC and RTM, is presented. These boards allow to evaluate the performance and check the functionality of all MTCA.4 based modules compliant with Analog Class Recommendation A1.
Both modules feature 10 analog feed-through channels working with frequencies up to 3 GHz and low noise clock distribution circuit. The AMC module features also 5 high speed DACs and optional Kintex 7 FPGA module with PCI Express connectivity. The concept, design and performance of these modules will be presented.

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