

EMI test board

Thursday 12 December 2013 15:00 (13 minutes)

The AMC-EMI test board is an AMC board aimed to investigate and qualify the EMI perturbances (conductive coupling mode) in MTCA system. The board allows for: measurement of power supply voltages at AMC connector (3.3V_MP, 12V_PP), measurement of low voltage drops caused by currents flowing through ground planes of PCBs or through the crate, introduction of distortion to the AMC-EMI board or other boards in MTCA crate, measurement of influence of the introduced distortions to measurement errors depending on the location and coupling mode of sensing amplifiers, measurement of influence of the introduced distortions to neighbouring boards and also measurement of vibrations of the AMC board. The presentation explains the functions of the board and shows possible measurement scenarios.

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Session Classification: Interoperability - further developments

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