Contribution ID: 2 Type: not specified

Main Oscillator Module with sub-fs Resolution and High-Performance Local Oscillator Generation in MicroTCA.4

Wednesday 6 December 2023 17:15 (15 minutes)

KVG Quartz Crystal Technology GmbH is a professional frequency control products manufacturer, focusing on research, development, production and sales. High-end crystal oscillators are our specialty. We cooperate with DESY for the production and test of the Master Oscillator (MO) module and the DeRTM-LOG modul. The MO module can provide different fixed frequencies with excellent short-term noise below 1fs and long-term stability and high-power output. Besides, diagnostic units for various functions are available. The DeRTM-LOG is a MicroTCA.4 compliant and a multi-channel low noise local oscillator generator and high frequency signal and clock distribution module. Currently the DeRTM-LOG 1.3GHz and DeRTM-LOG 1.5GHz are available.

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Session Classification: Session VI