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## **Production and Testing of the LO and CLK Generation Module Built in MicroTCA.4 Form Factor**

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The local oscillator and clock generation module generates a low noise local oscillator out of the global reference that is distributed over the accelerator. The module is implemented such that it fits into the rear slots 15 and 14 of a standard MicroTCA.4 crate. In the contribution we present the manufacturing and testing process of 60 units that are being deployed in the European XFEL. Comparison between modules is performed based on the measured parameters.

**Author:** ROHLEV, Tony (Sincrotrone Trieste)

**Co-authors:** LUDWIG, Frank (DESY); SCHLARB, Holger (DESY); BRANLARD, Julien (DESY); MAVRIC, uros (DESY)

**Presenter:** ROHLEV, Tony (Sincrotrone Trieste)

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