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Coherent Optical Comb Characterization

The ultra-low noise and GHz repetition rate of the MENHIR-1550 optical frequency comb (OFC) series are important features for many applications such as high-speed telecommunication or photonics analog to digital convertor. We describe here the characterization of the coherent comb using the OCSA-AP6 from APEX Technologies. The device can resolve each comb line in amplitude and in phase, and it allows to calculate the pulse profile in the time domain.

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