



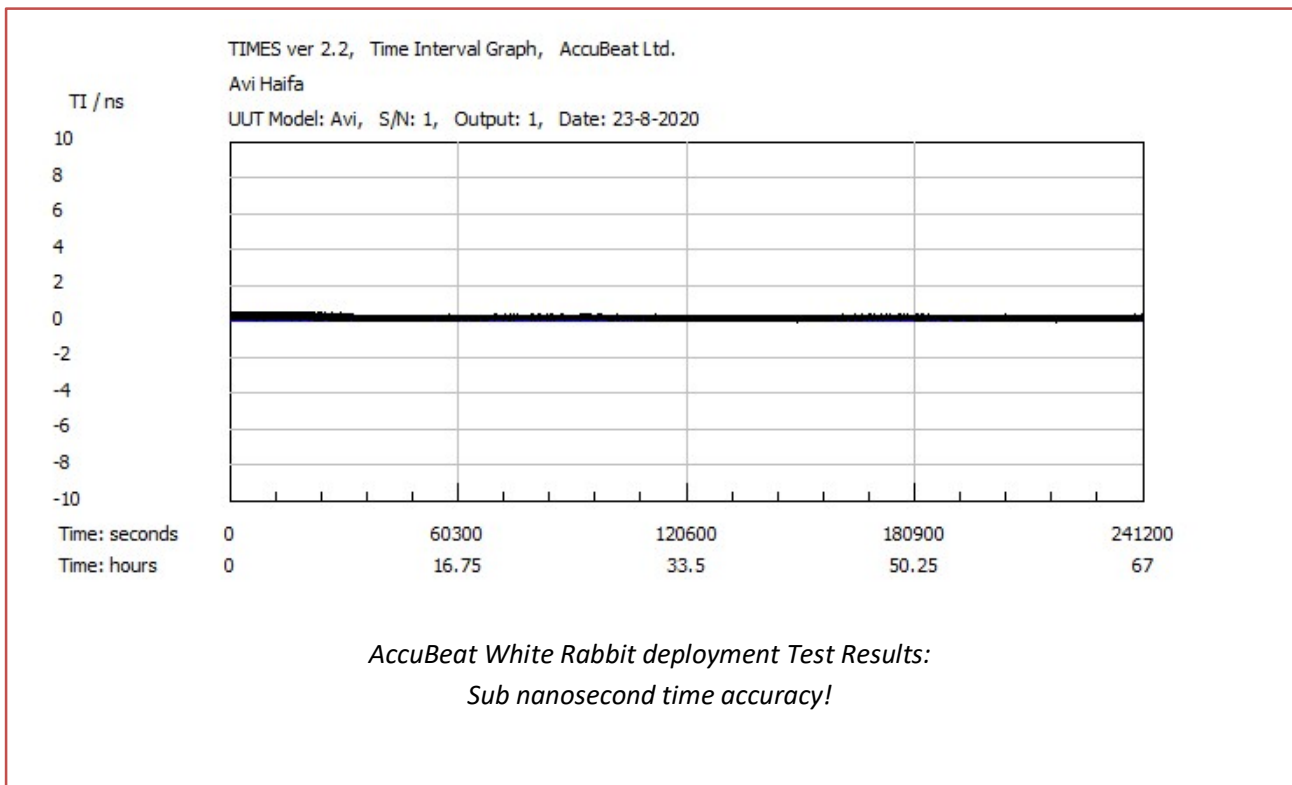
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# *AccuBeat IEEE1588 v2.1 -White Rabbit Time Over Fiber Network*

## *Exhibited Outstanding Results*

### *Sub-nanosecond time accuracy*

AccuBeat has completed a successful Field Deployment of White Rabbit (WR) Technology. Two AccuBeat's PTP Time servers (PTPv2, Sync-E supported) were interconnected via a master-local network, **distance range of 100Km using fiber**. The time interval between the two 1pps outputs was measured over time (67 hours) and exhibited outstanding results of **sub nanosecond time accuracy** shown in the plot below. **This long-distance link represents a new milestone in ultra-accurate time transfer technology that can be integrated into any AccuBeat Time Servers.**



**White Rabbit (WR)** is a technology developed at CERN to provide the LHC accelerator chain with deterministic Ethernet-based network for real time data transfer and **sub-nanosecond accuracy time transfer**. On June 2020, the WR technology was recognized by being included in the worldwide industry standard PTP, increases PTP's synchronization performance from sub-microsecond to sub-nanosecond. the technology has shown its innovative potential by being commercialized and introduced into different industries, including telecommunications, financial markets, smart grids, Radars, space applications and quantum computing.