

## Calibration Report No. 2022-2019/UFE

Laboratory of the National Time and Frequency Standard (Designated Institute of the Czech Metrology Institute)

Instrument:

Name:

**GNSS Time Transfer Receiver** 

Type:

**GTR 51** 

SN:

1909009

Antenna:

Type:

Novatel GNSS-850

SN:

NMLK19310002R

Antenna Cable:

Type:

Belden 50Ω LOW LOSS H155 PVC

Length:

30 m

Reference:

Signal:

1 PPS and 10 MHz signals of UTC(TP) generated from

the Cesium clock 5071A SN 1227

Receiver:

GPS Time Transfer Receiver GTR 55, SN 1711887,

calibrated by BIPM, Cal. ID 1102-2017

Measurement Date:

22 October 2019, 00:00:00-23:59:59 UTC

## Measurement Results:

Internal Receiver Delays:

GPS L1 C/A:

 $(25.8 \pm 1.0)$  ns

GPS L1P:

 $(25.7 \pm 1.0)$  ns

GPS L2P:

 $(19.3 \pm 1.0)$  ns

Measurement performed by: Alexander Kuna, Ph.D.

Attachment: Graphs with measured values.

INSTITUTE OF PHOTONICS AND ELECTRONICS

ASCR, v.v.i.

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Prague, 23 October 2019

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