Institute of Photonics and Electronics AS CR, v.v.i.
Chaberská 57, 182 51 Praha 8-Kobylisy
tel.: +420 266 773 400, fax: +420 284 680 222
e-mail: tp@ufe.cz, http://www.ufe.cz

Measurement Report No. 20/2014

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:	1408137
Antenna:	Type:	NOV-703-GGG
	SN:	NEG14230011
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 GTR50 SN 002, calibrated by BIPM

Measurement Date: 24 August 2014, 00:00:00–23:59:59 UTC

Measurement Results:

1. Internal Receiver Delays:

GPS L1 C/A: (–27,6 ± 0,5) ns,
GPS L1P: (–33,6 ± 1,0) ns,
GPS L2P: (–36,6 ± 1,0) ns.

Measurement performed by: Alexander Kuna, Ph.D.

Attachment: Graphs with measured values.

Prague, 25 August 2014

.....
Alexander Kuna, Ph.D.
Head of the LNTFS

ÚSTAV FOTONIKY
A ELEKTRONIKY AV ČR, v.v.i.
(1)
Chaberská 57, Praha 8 182 51