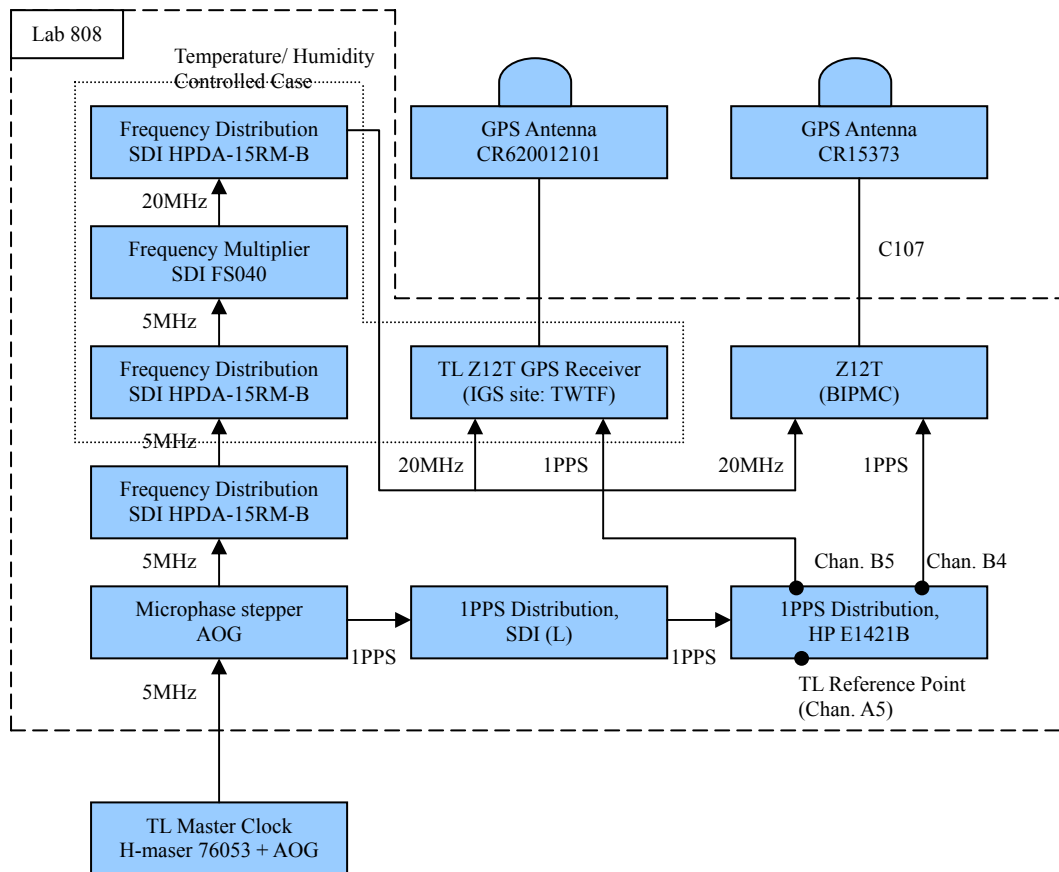


BIPM Z12T GPS Calibration Trip

TL Data Report:

- Figure describing the actual set-up with indication of all measured delays.

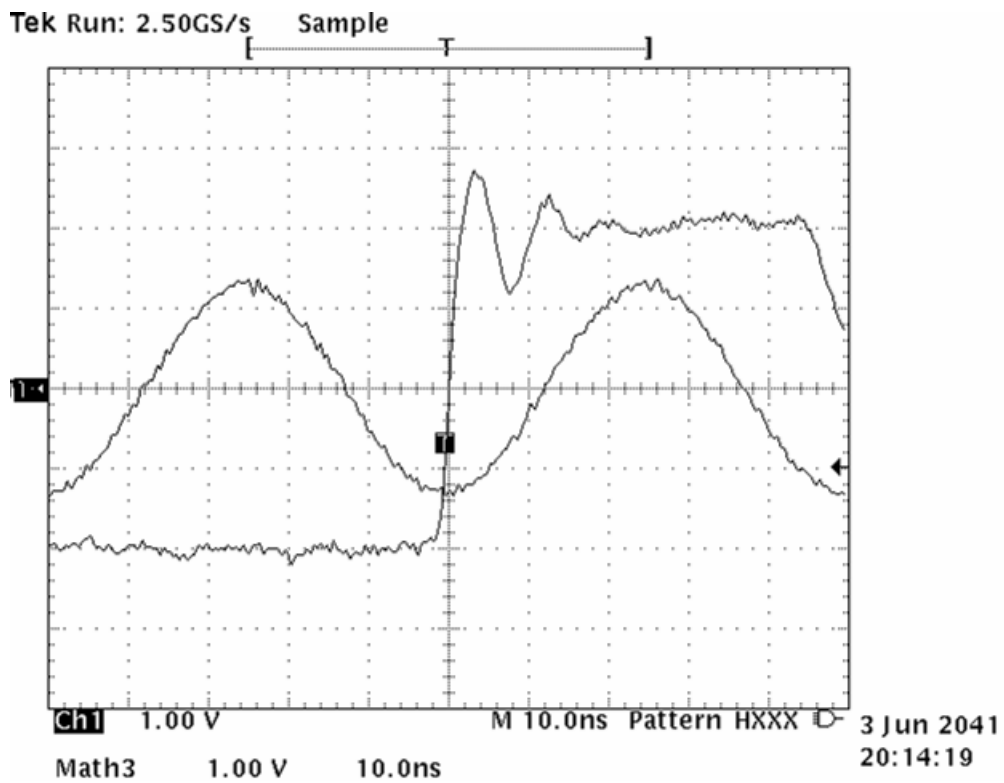


	TL Z12T (TWTF)	BIPM Z12T (BIPMC)
Inv 20MHz to 1PPS	12 ns	12 ns
Lab 1PPS delay	23.99 ns	28.95 ns
Antenna Cable delay	119.8	—

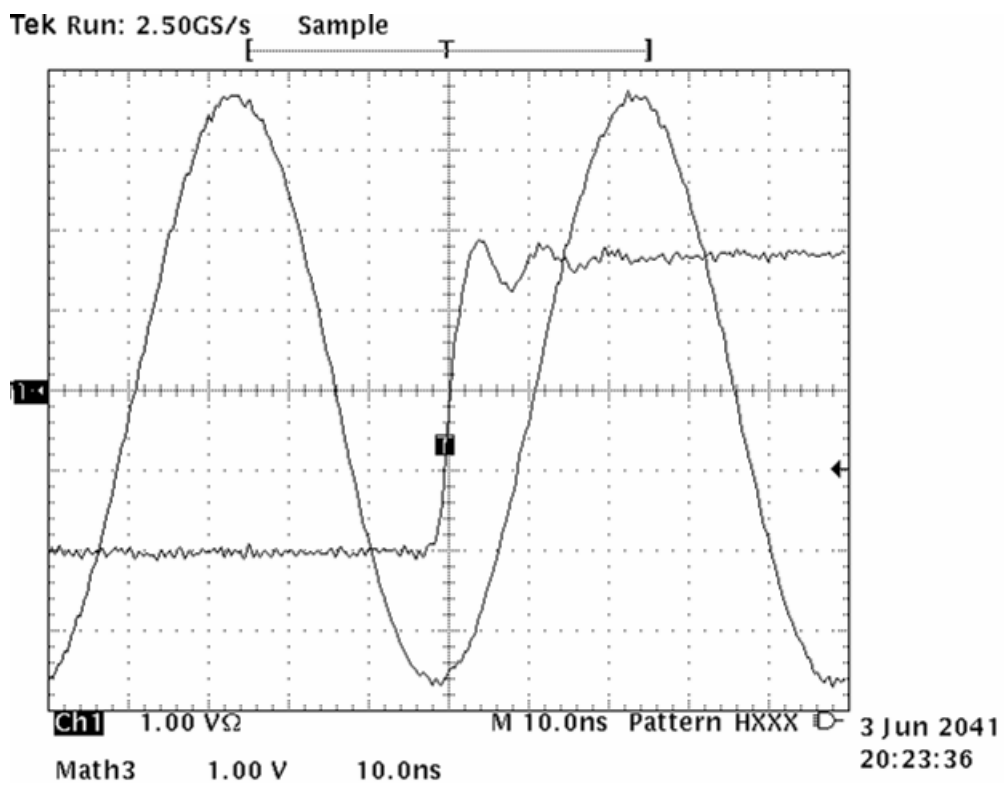
2. Measurements of the 1PPS/20MHz set-up

(a) before the experiment:

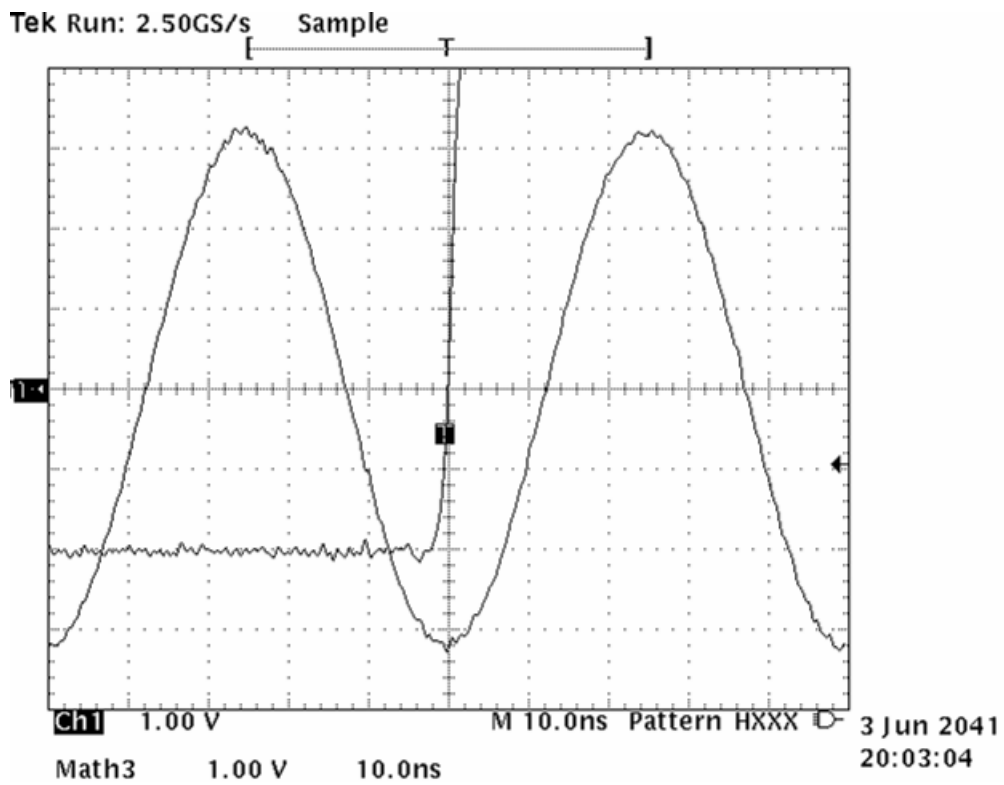
(a.1) Measurements (3.1) of BIPMC: 12ns



(a.2) Measurements (3-3) of BIPMC: 11ns

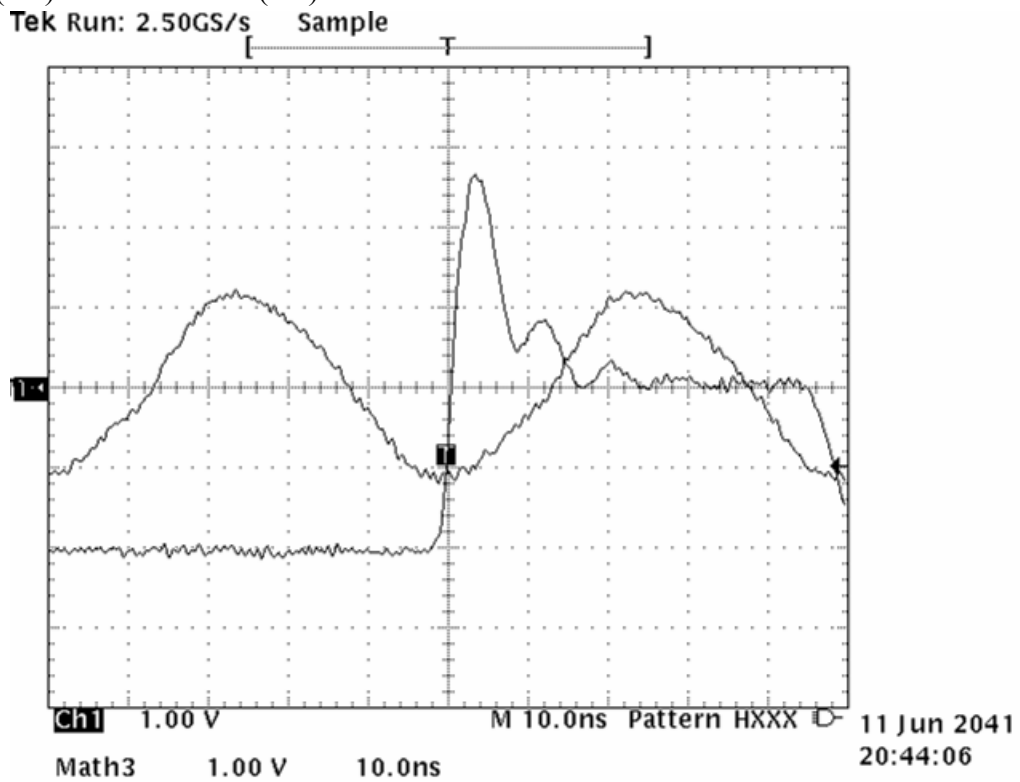


(a.3) Measurements (3.3) of TL Z12T: 12ns (because we do not use the T junctions on our system, we don't have the measurements (3.1))

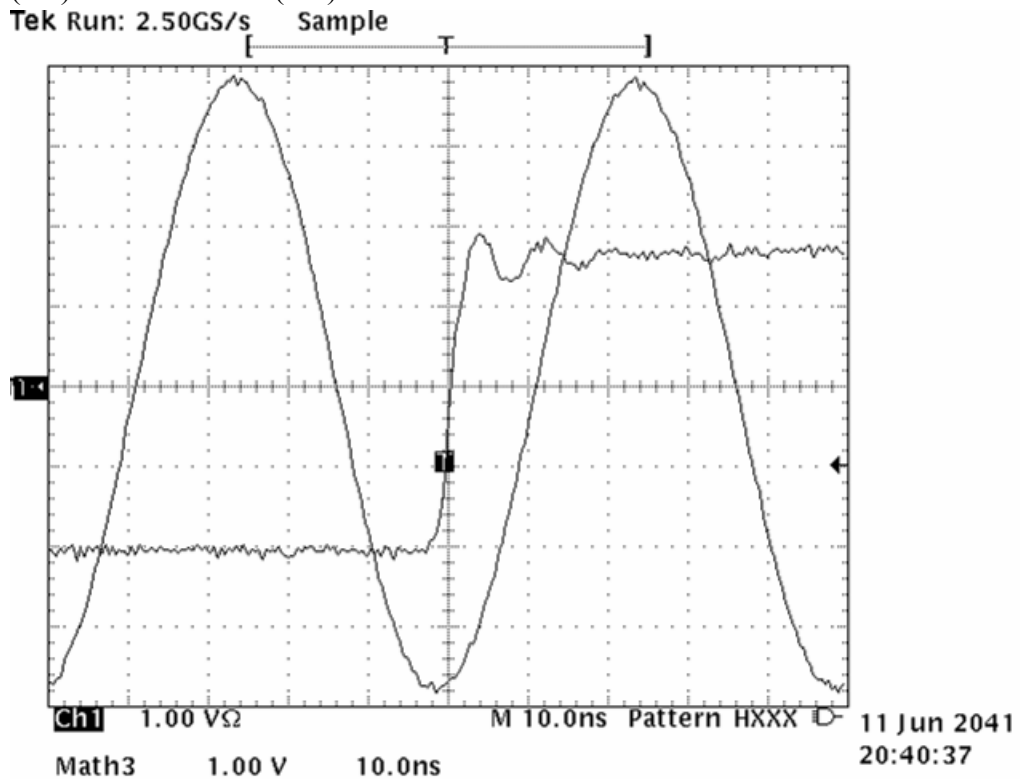


(b) after the experiment:

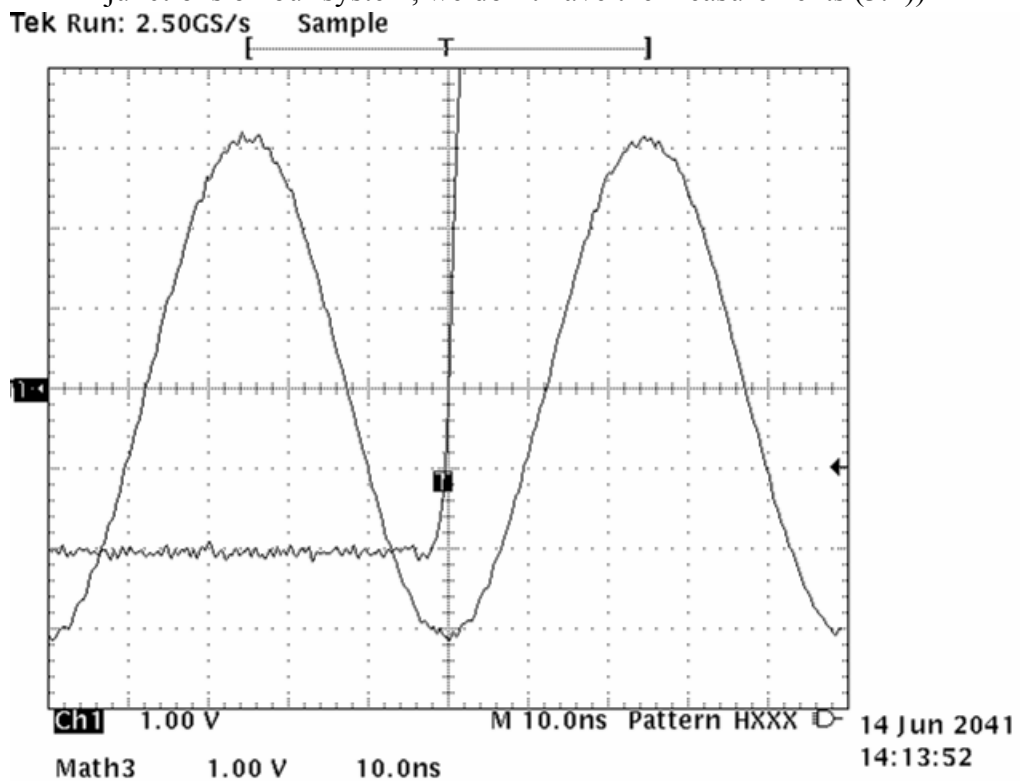
(b.1) Measurements (3.1) of BIPMC: 12ns



(b.2) Measurements (3-3) of BIPMC: 11ns



(b.3) Measurements (3.3) of TL Z12T: 12ns (because we do not use the T junctions on our system, we don't have the measurements (3.1))



3. Coordinates

TL Z12T: (ITRF 00)

X = -2994428.0161

Y = 4951309.2788

Z = 2674496.9118

BIPMC: (ITRF 00)

X = -2994424.0314

Y = 4951310.9535

Z = 2674500.4349

4. Raw data

The RINEX data can be downloaded from TL ftp site:

ftp://ftp.stdtime.gov.tw/pub/gps/misc/bipm_z12t_calibration_2005