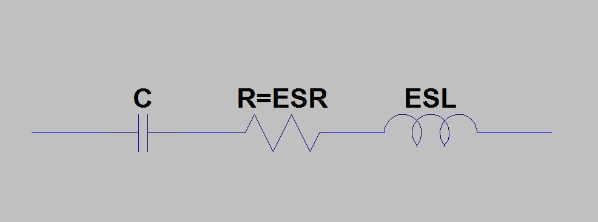
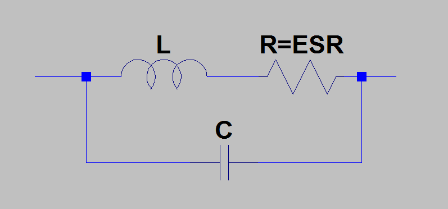
**Group 762**

Matei Oprea, Mario Zaja, Anubhav Sabharwal, Volodymyr Myagkov

1: electrical circuit model (Inductor: L, ESR, Capacitor: C, ESR, ESL)

Capacitor: Inductor:

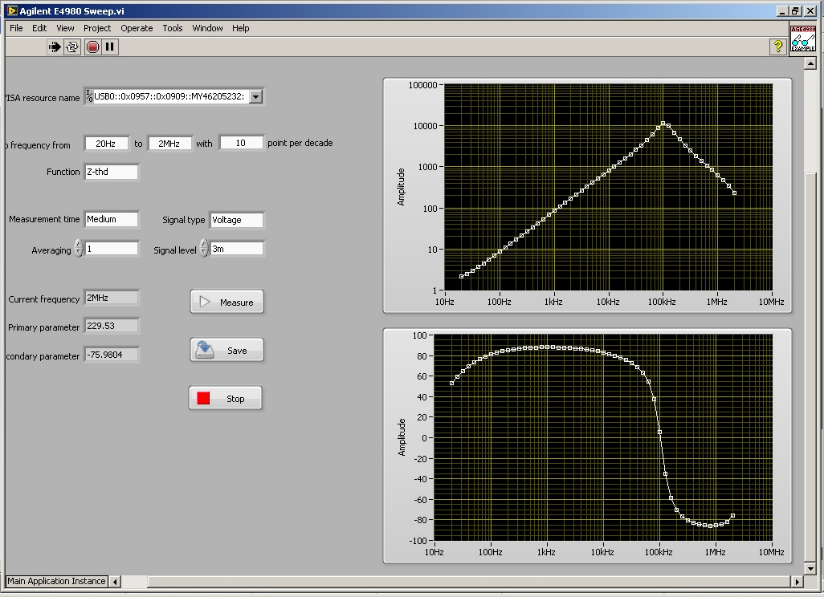
2: measured model parameters

Inductor: 15mH 2,5A AC

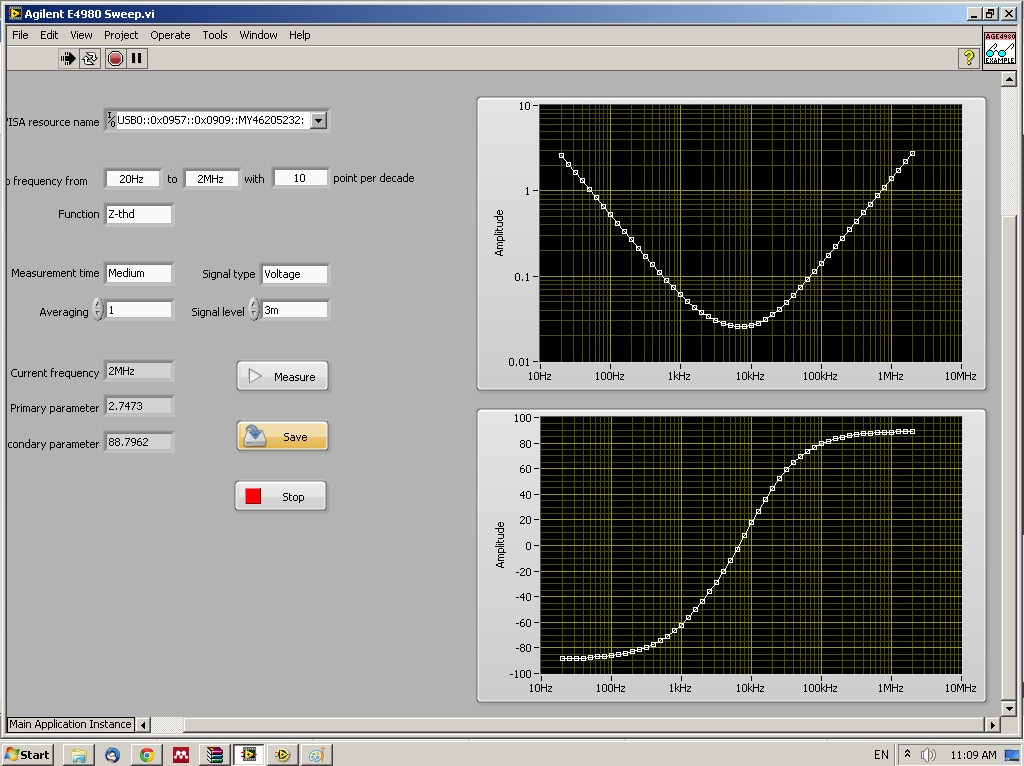
Capacitor: 3,300uF 50V

3: plot of impedance Z=f(Hz): include amplitude and angle plot as function of frequency on a logarithmic scale.

Inductor: 15mH 2,5A AC



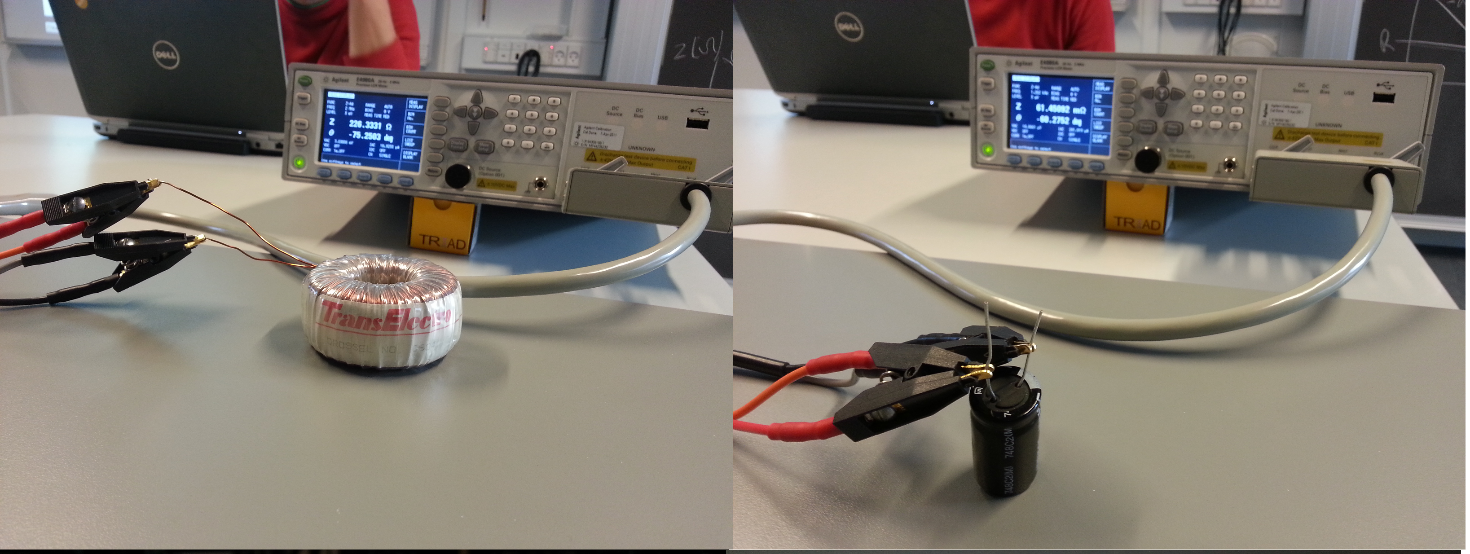
Capacitor: 3300uF 50V



4: picture of capacitor and inductor



5: picture of measurement setup



6: type of instruments used

Precision LCR Meter

Agilent E4980A, 20 Hz to 2 MHz

Capacitor:

748C2(M)

3300uF, 50V

Inductor:

Trans Electro

Drossel no.6604

Prod.9102

15mH, 2,5A AC