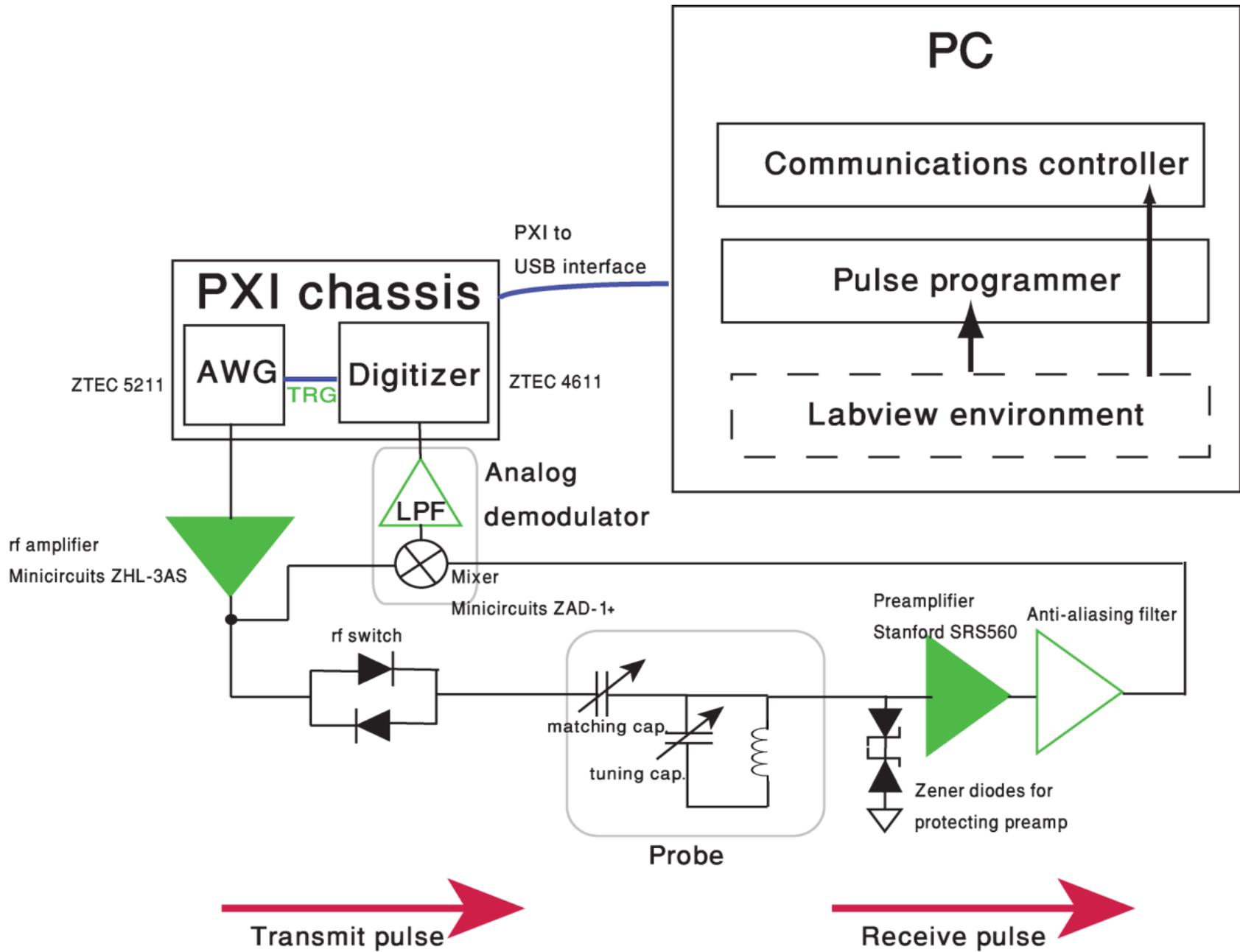
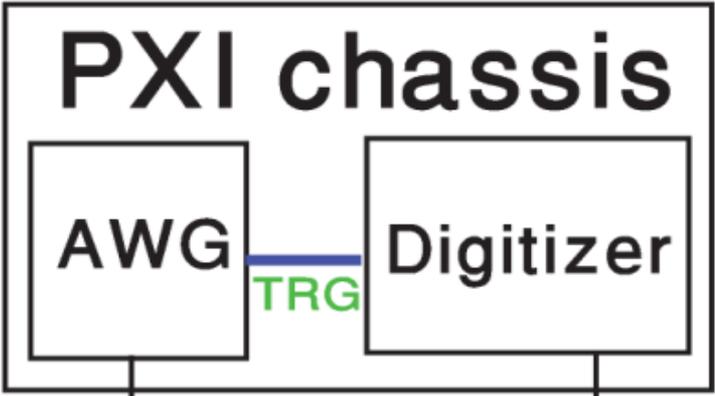


NMR Building

Muhammad Sabieh Anwar

14 October 2011





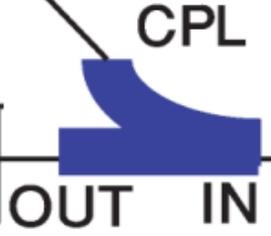
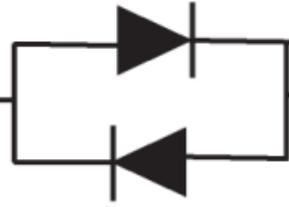
Sweep the frequency

rf amplifier
Minicircuits ZHL-3AS

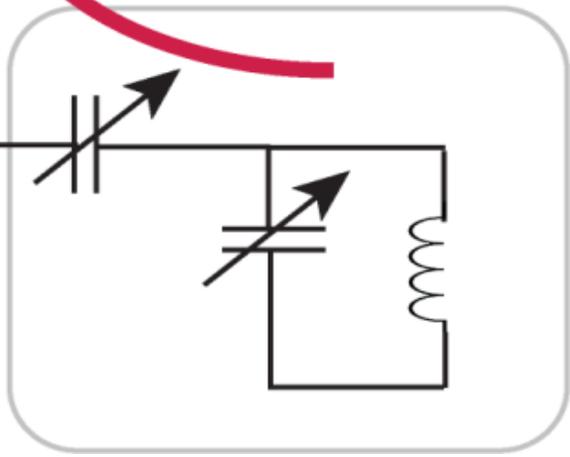


directional coupler
Minicircuits ZMDC-30-1

rf switch

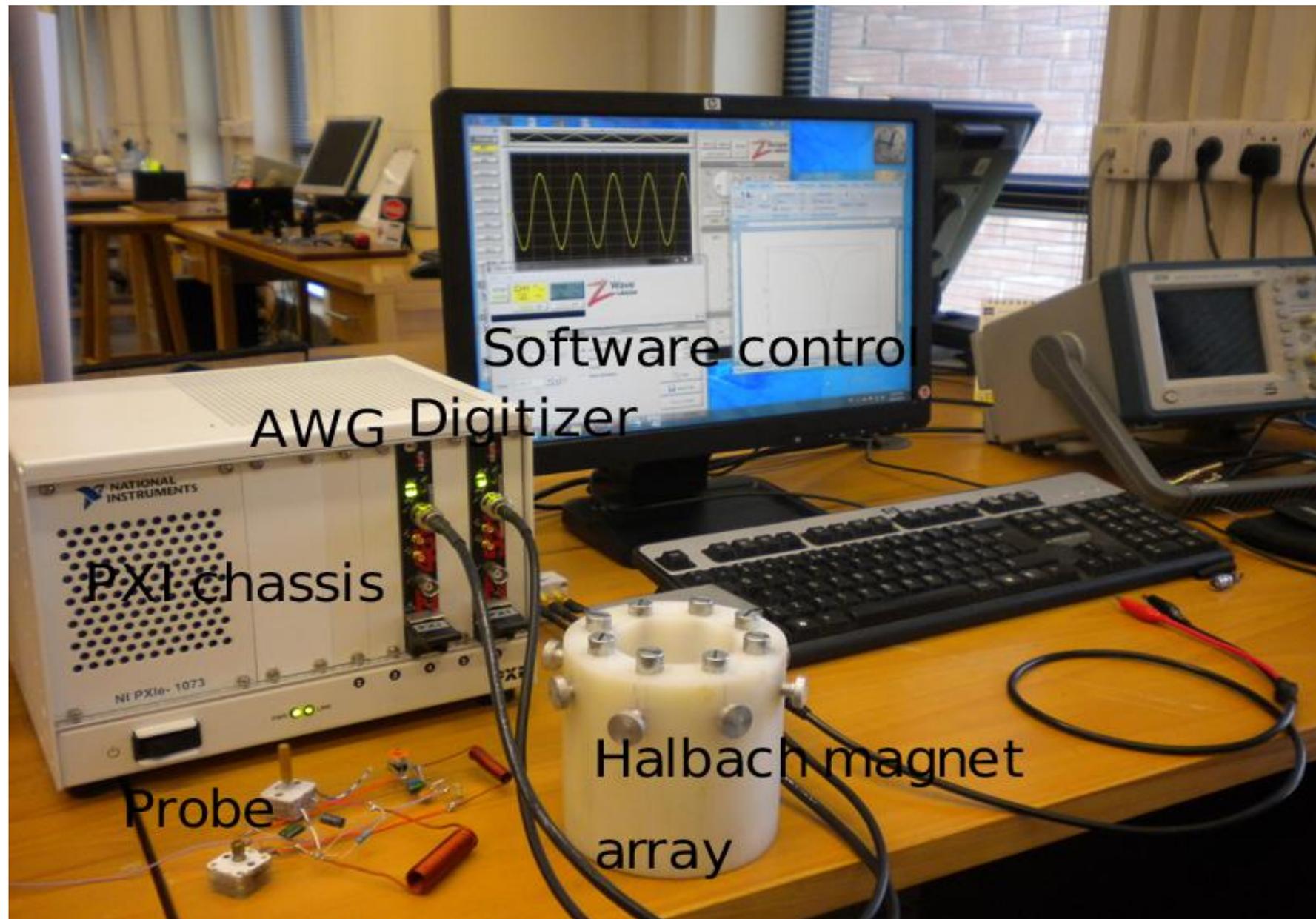


Reflected pulse



Transmit pulse





Software control

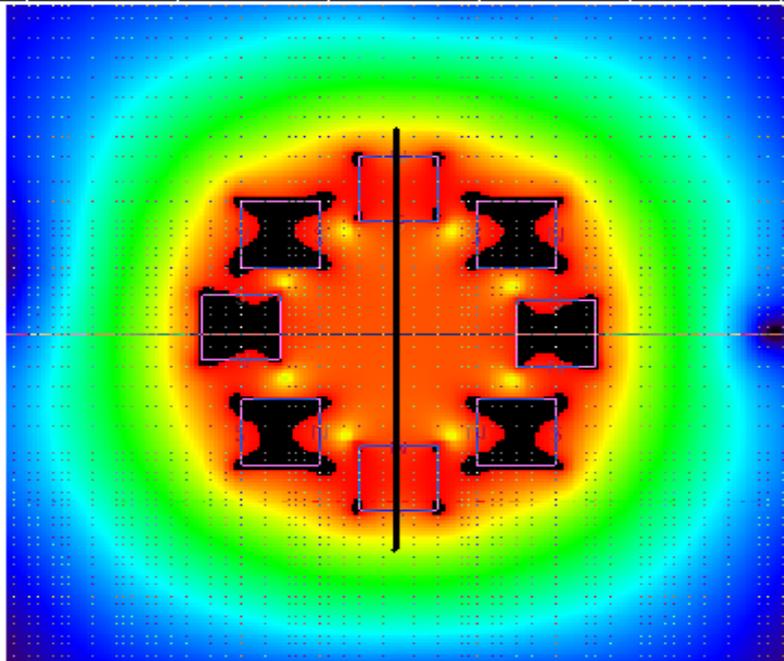
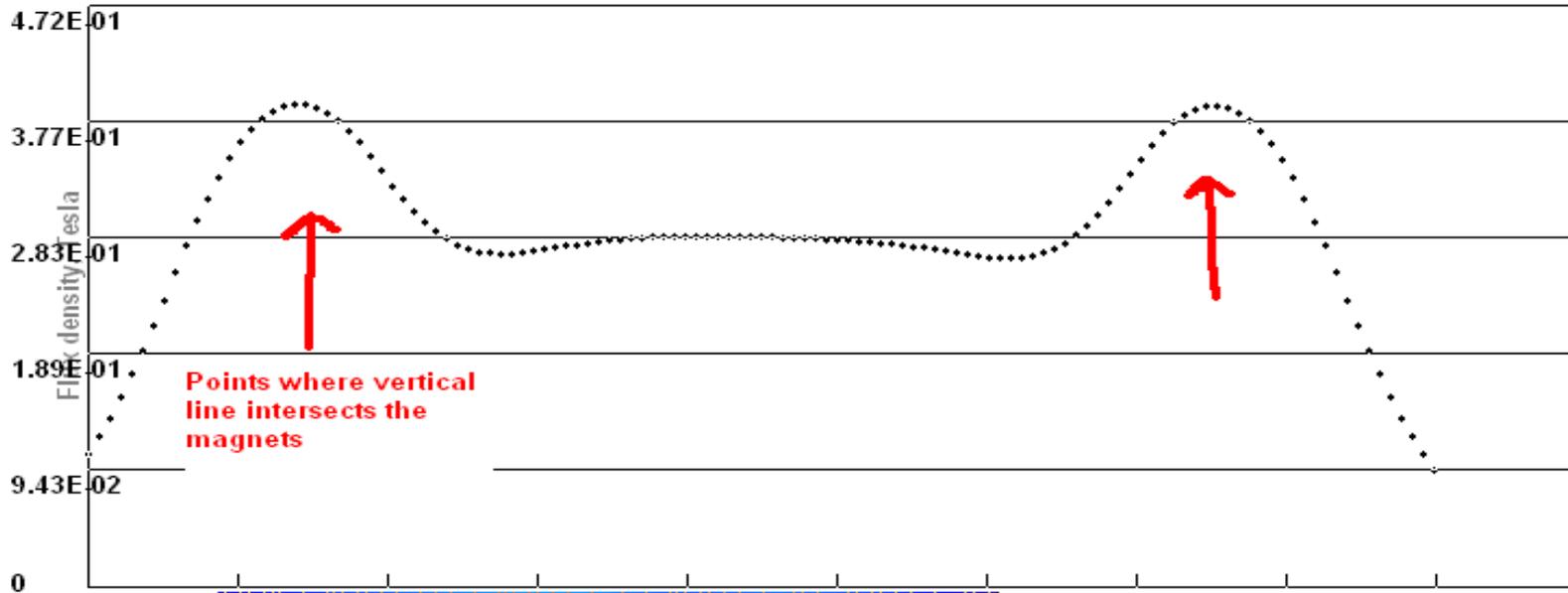
AWG Digitizer

PXI chassis

Halbach magnet
array

Probe

Flux density magnitude from top to bottom



This graph gives $|B|$ field magnitude when a vertical line is drawn as shown in the diagram. Each magnet has a B Field of 1 Tesla

