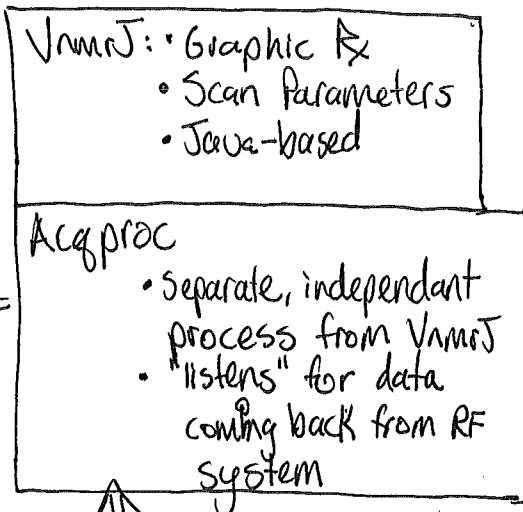


Agilent DirectDrive System Architecture

MP/BME 710 F2011
Samuel A. Hurley
3-Oct-2011

Host Computer



Scan Parameters

Generator Pulse Sequence (PSG)

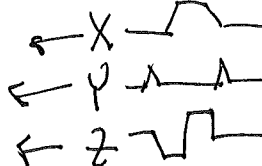
- C-Program
- Runs only once, just before start of scan
- Uploads wave forms to console
- Generates a-codes to control scan sequence (similar to GE SSP)
- Real-time vars for limited logic ~~and~~ during scan (v2...v25) (Similar to rsvars)

~~Console~~ A-CODES WAVEFORMS

Console

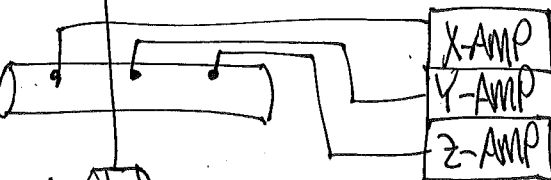
- Embedded systems Linux computer
- All commands on 4us timing clock
- Generate & execute waveforms

low-voltage waveform



Gradient Insert

Radiofrequency Coil



FID

- raw data file
- readout lines stored as acquired by the PSD (no "DAS" or "RAM")