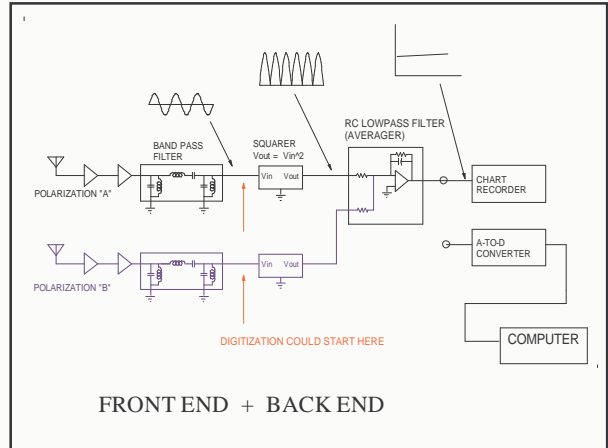
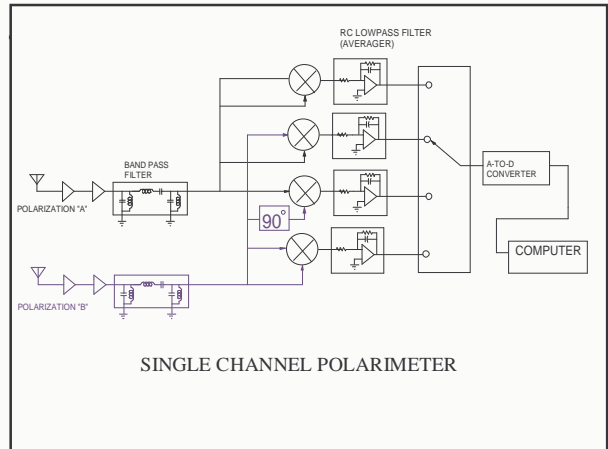
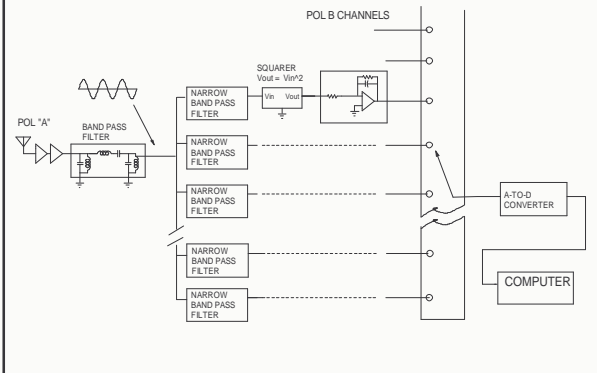


BACK ENDS

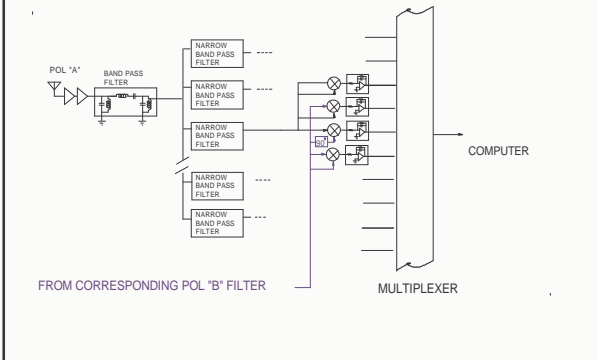
1. TOTAL POWER
2. SPECTROMETRY
3. POLARIMETRY



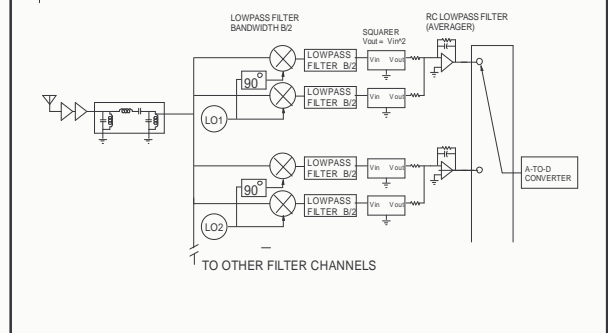
FILTER BANK SPECTROMETER



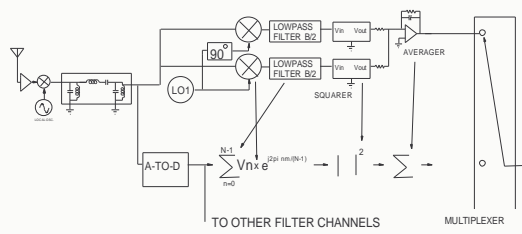
SPECTROMETER/POLARIMETER



HETERODYNE SPECTROMETER USES SYNCHRONOUS DETECTION



FOURIER TRANSFORM SPECTROMETER



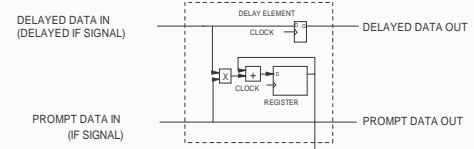
$$\sum_{n=0}^{N-1} V_n \times e^{j2\pi f n \tau}$$

TO OTHER FILTER CHANNELS

MULTIPLEXER

AUTOCORRELATION SPECTROMETRY

LAG UNIT



$$S(f) = \int fR(\tau) \exp(i 2\pi f \tau) d\tau$$

R(tau) OUT

AUTOCORRELATOR

