SIGNAL AND CONTROL PATHS FOR DSP BASED RECEIVER
DSP BASED SIGNAL CONDITIONING FUNCTIONS
BLOCK DIAGRAM OF QAM RECEIVER
FIGURE 4. Narrow-band I-F Sampling, Timing and Carrier in DSP
FIGURE 3. Asynchronous Carrier and Clock, PPL's in DSP Receiver
FIGURE 2. Broadband DSP Copy of Conventional Analog Receiver
FIGURE 1. Conventional DSP Based Receiver
spectra of matched filter and frequency matched filter
spectra of outputs: matched filter and frequency matched filter
spectra of product matched filter and frequency matched filter outputs

error signal: product matched filter and frequency matched filter outputs
spectra of outputs: matched filter and frequency matched filter
spectra of product matched filter and frequency matched filter outputs

error signal: product matched filter and frequency matched filter outputs
spectra of outputs: matched filter and frequency matched filter
spectra of product matched filter and frequency matched filter outputs

error signal: product matched filter and frequency matched filter outputs
spectra of matched filter and frequency matched filter
spectra of matched filter and frequency matched filter outputs
spectrum: difference between energy in pos and neg frequency components

difference in abs values of filter outputs
spectrum: positive frequency components

spectrum: negative frequency components
spectrum: difference between energy in pos and neg frequency components

difference in abs values of filter outputs
spectra of matched filter and frequency matched filter outputs
spectrum: difference between energy in pos and neg frequency components

difference in abs values of filter outputs