SonATA Channelizer: Rev 1.00

Beamformer

10 GbE

Packet
Reception

Packet Verification
and
Synchronization

Packet
Disassembly

Data Conversion
To Floating Point

Compute
Statistics?

Pre-filter
Processing

Data
Buffering

7-Folding DFB
and
256-point FFT

Compute
Statistics

Data
Specification

SSE
Communcations

SSE

1 GbE

Conversion to Fixed Point
and
Distribution to Channel Buffers

Packet
Assembly

Packet
Transmission

10 GbE

1/10 GbE
Switch

Initial production version with SSE
control.

kes 2008-01-15