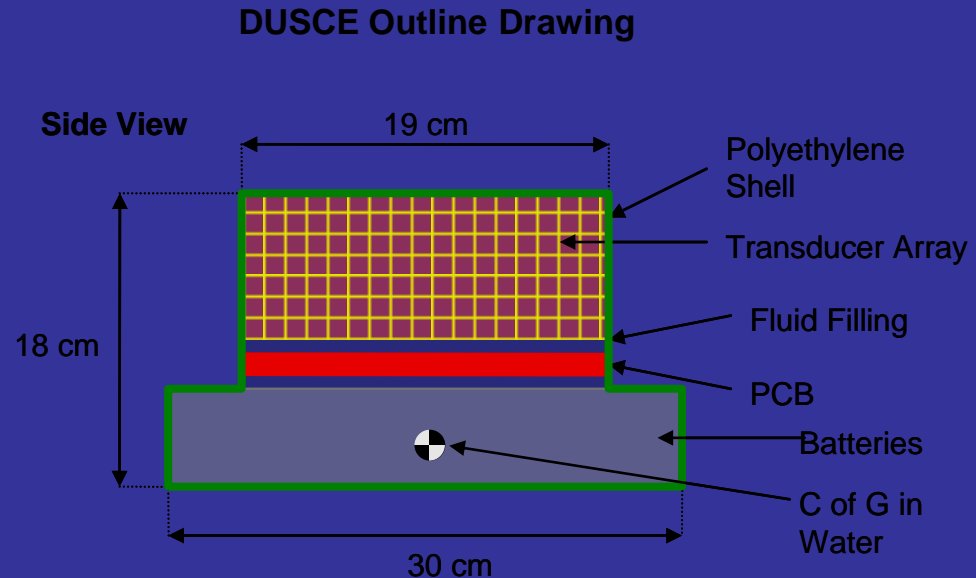
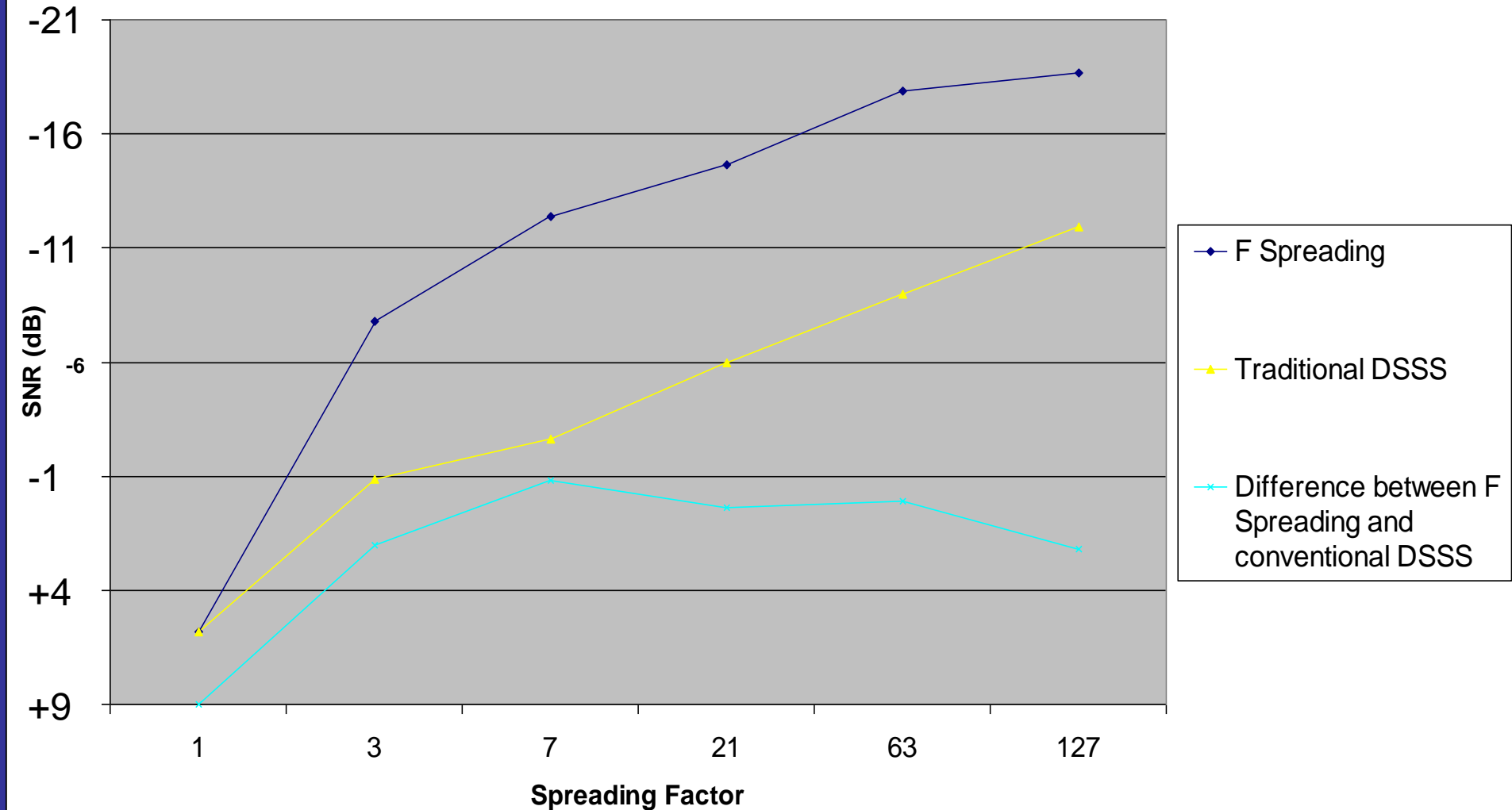


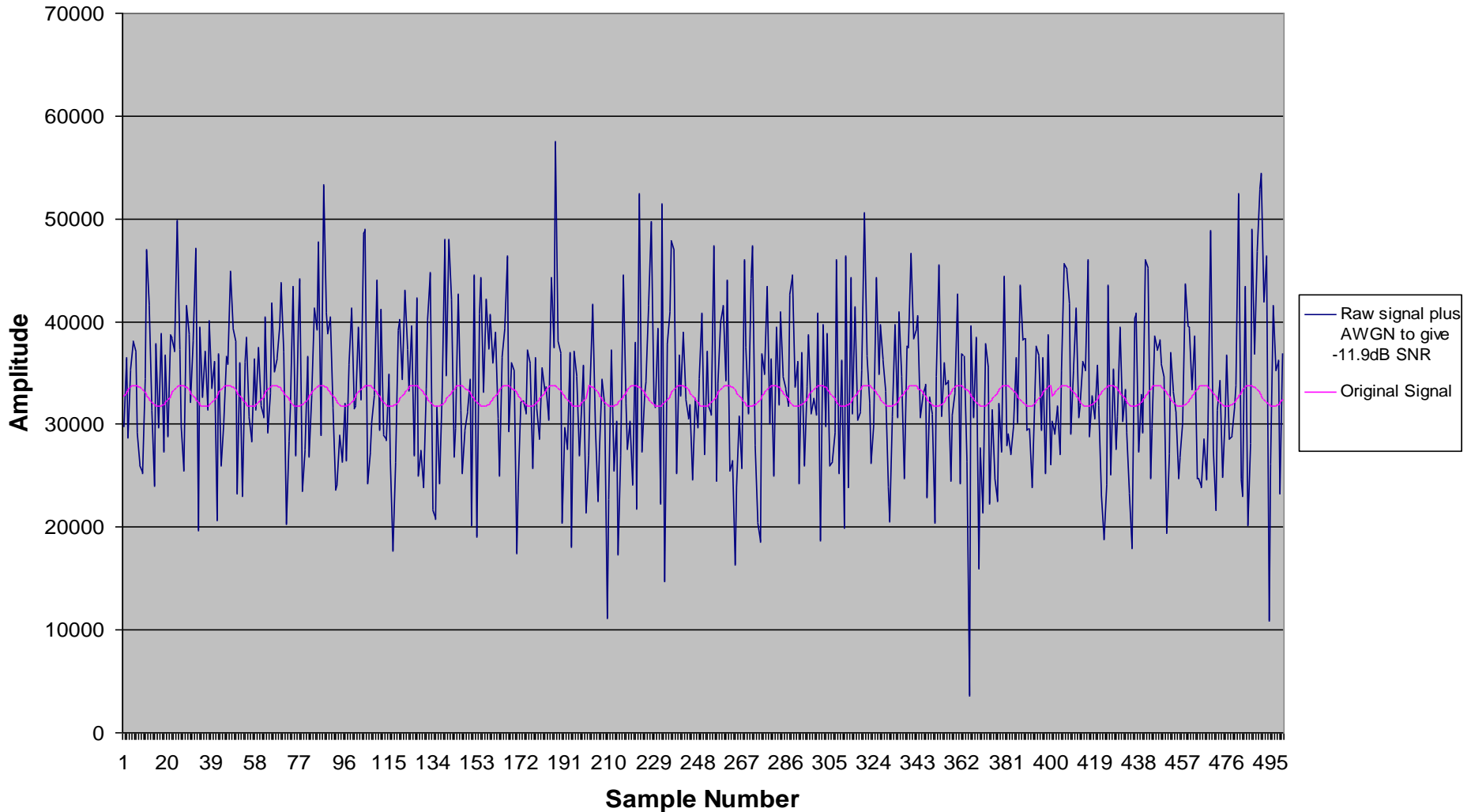
- Acoustic Networking and Sensing for Disposable Seafloor Nodes
- Data acquisition and processing capability for all sensors on node
  - Pressure, acoustic, magnetic
- Low cost array for acoustic detection (2.6.1) and acoustic communications
  - P(VDF-TrFE) on PCB array
- Acoustic communications between nodes over short to medium range (2-5km)
  - Simultaneous communications between nodes using CDMA
- Project Deliverables: components of the node, deployed subsea ... all you need to build it



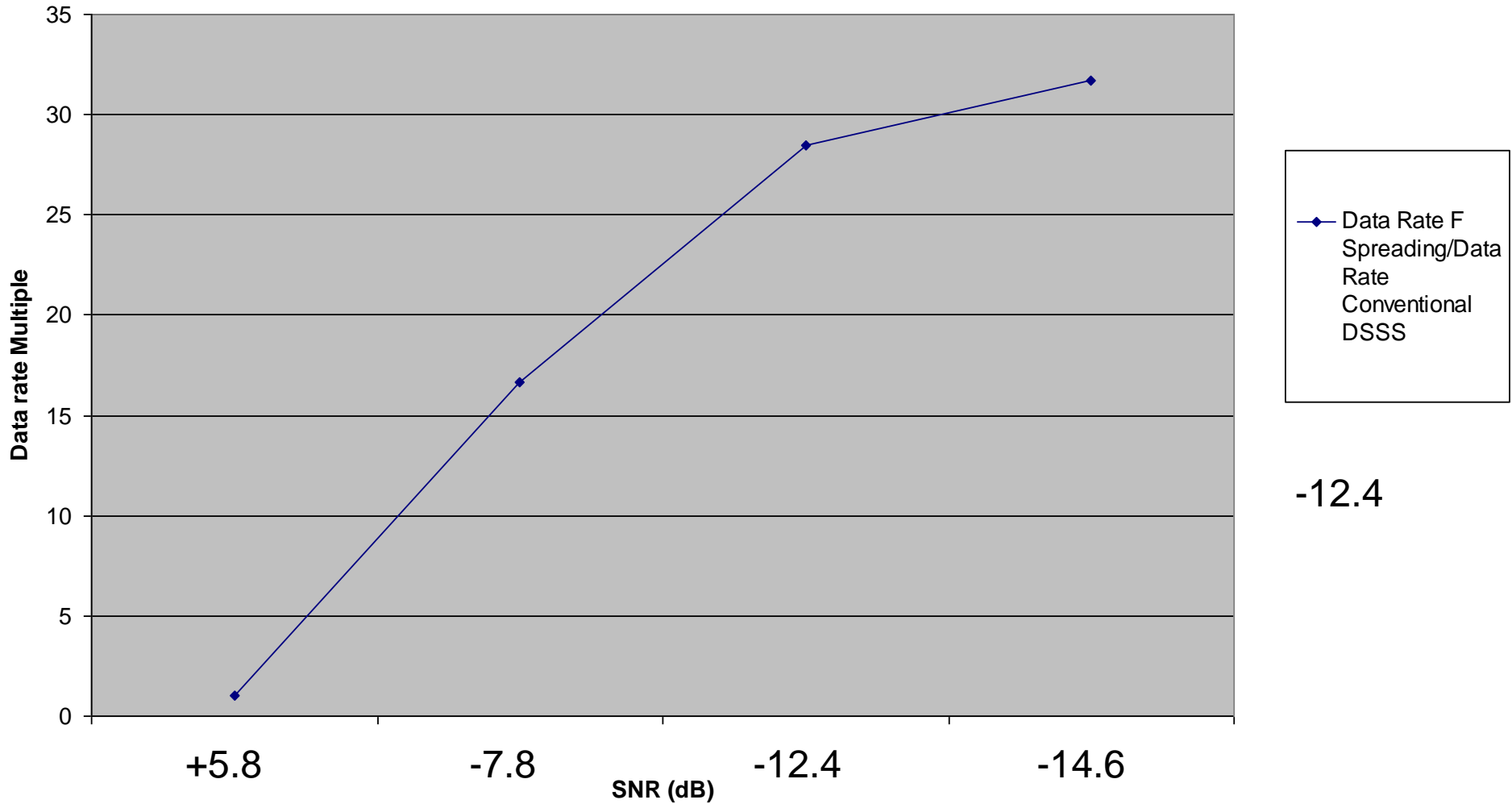
Spreading Factor v SNR (AWGN) - Actual, not 'Predicted'



## -11.9dB SNR Illustration



## Data Rate Multiple for Similar Noise Performance



-12.4