



Techniques for Low Power Turbo Coding in Software Radio

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Software Defined Radio

- Single transmitter for many protocols
- Protocols completely specified in memory
- Implementation:
 - Microprocessors
 - Field programmable logic



Why Use Software Radio?

- Wireless protocols are constantly reinvented
 - 5 Wi-Fi protocols
 - 7 Bluetooth protocols
 - Proprietary mice and keyboard protocols
 - Mobile phone protocol alphabet soup
- Custom DSP logic for each protocol is costly

