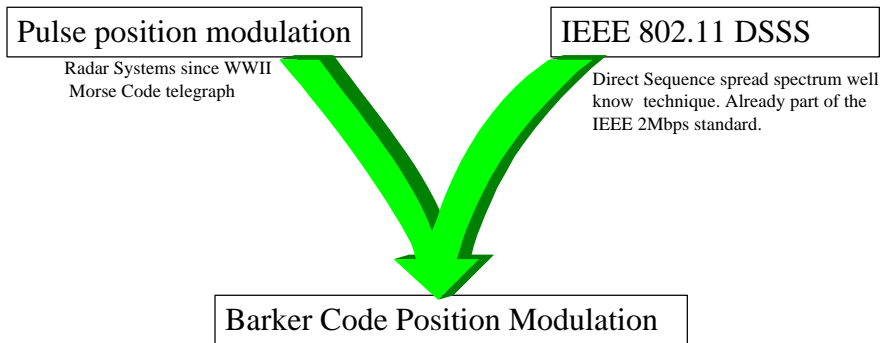


Elements of a Successful Standard

Best Technology 

Easy Implementation 

A merger of known techniques



A field proven mixture of technologies that work.

Solves Issues From the Field



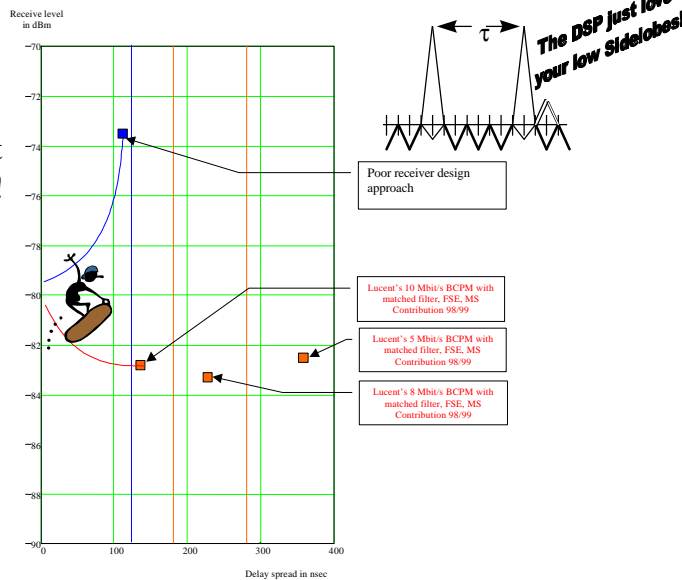
Get those packets over!



- Low Complexity Solution
 - Different decoding techniques provides “excellent performance vs gate count!”
 - 25K gate, 40K gate, 60K gate
- Lower Power Consumption
 - 300mA @ 3Volts PC-Card
- Robust Design meeting 10Mbps threshold
 - Excellent Payback for Fallback
 - Stable approach without the need to band-aid

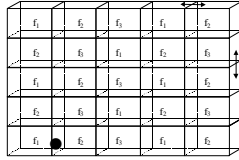


Surf down the right performance curve!

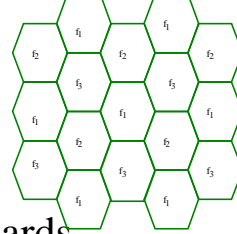


May 1998

doc.: IEEE 802.11-98/198bis



Leverage



- Easy migration from existing standards
 - Three channel scheme of IEEE 802.11 DSSS
 - Can interoperate with IEEE 802.11 FH
 - Scalable Collocated Access Point Capacity
 - CAPC for system flexibility
- Translation across geographies
 - Same design conforms to all international rules



Submission

Slide 5

Bruce Tuch, Lucent Technologies

May 1998

doc.: IEEE 802.11-98/198bis

Ease of Implementation

- Technology at all levels support the standard
 - Baseband IC's (DSP and MAC) will be available on the market from Lucent Microelectronics
 - This is a separate Business Group within Lucent
- DSP technology for own implementations
 - Minimize your time-to-market with implementation assistance
- RF technology now available
-

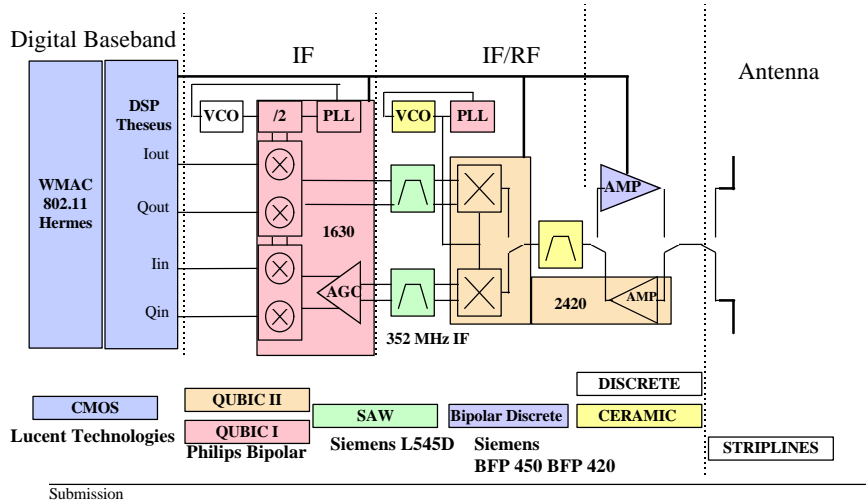


Submission

Slide 6

Bruce Tuch, Lucent Technologies

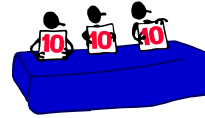
Easy of Implementation



Summary

- PC-Card Form Factor ✓ Integrated unit <300mA @3.3V
- Geographical Translation ✓
 - FCC, ETSI, MPT (No "specials" in Japan) ●
- Robust Radio ✓
 - Not only for a small cube in an office!
- Builds upon our IEEE 802.11 Standard ✓
 - Guided by field experience
 - Holistic Approach
 - With CAPC flexibility!
- Easy technology access ✓

Ending



- Best Technology without conditions
- Easy Implementation

Elements of a Successful Standard