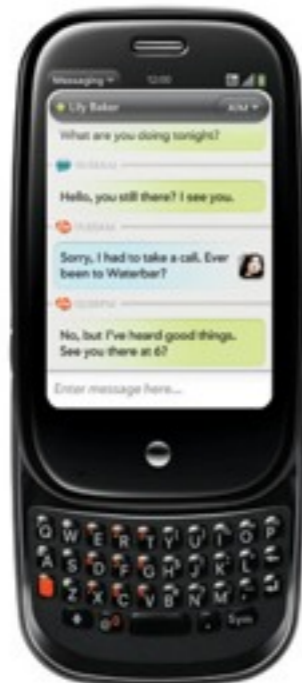
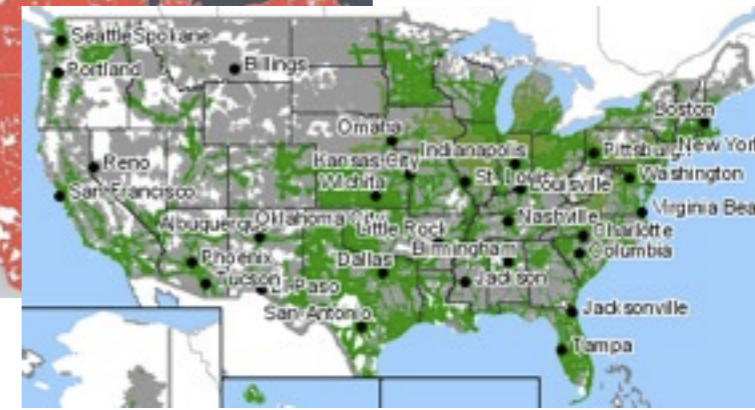
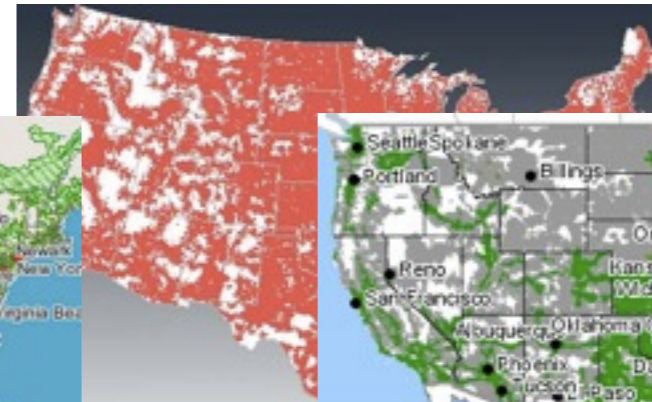
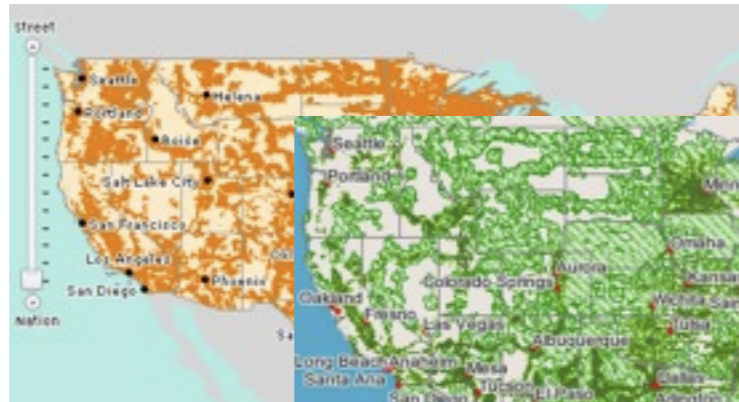


Choosing a Smartphone

Dameon D. Welch-Abernathy
November 2009



Why A Smartphone?

- Web Browsing
- Email
- Social Networking
- Music/Video on the Go
- Third Party Applications

Terms and Conditions

of buying a Smartphone

- Handset Exclusivity
- Handsets “Locked” To Carriers
- GSM versus CDMA
- Required Data Plan
- Larger Early Termination Fee (Verizon)

Unlocked Phones

Pros:

- The Phone You Want
- No Contract
- Not Tied to Operator
- Usable Worldwide
- Many Manufacturers

Cons:

- Expensive
- Not always easy to get
- Only GSM Carriers
(Not Sprint or Verizon Wireless)
- Watch for 3G frequencies

Know Your Gs

- G = Generation of wireless network technology
- 1G = AMPS (Analog)
- 2G = GSM, CDMA, TDMA, iDEN
- 2.5G = EDGE, iXRTT
- 3G = UMTS, HSDPA, HSPA, EVDO
- 4G = LTE, WiMax

Know Your Operators



- CDMA, iXRTT, EVDO
- Best Overall Network
- Most Expensive
- BlackBerry, WinMo, Android
- 4G = LTE (2011)



- CDMA, iDEN, iXRTT, EVDO
- OK Network
- Average Cost
- Android, BlackBerry, WinMo, WebOS
- 4G = WiMax (Now)



- GSM, EDGE, HS(D)PA
- OK Network
- Average Cost
- BlackBerry, WinMo, iPhone, Symbian
- 4G = LTE (2011)



- GSM, EDGE, HS(D)PA
- Smallest Network
- Lowest Cost
- BlackBerry, WinMo, Android
- 4G = HSPA+ (2010), LTE (2012)

Are You Covered?

- Verizon Wireless: <http://bit.ly/4daIR7>
- <http://www.wireless.att.com/coverageviewer/>
- <http://www.t-mobile.com/coverage/>
- <http://coverage.sprint.com/>

Platform Fragmentation

Applications don't necessarily work across different handsets by the same manufacturer.

Android



Pros:

- Google Services Integration
- Open Source
- Multitasking
- Touch Support
- Strong Web Browser
- MS Exchange Support
- Many Manufacturers

Cons:

- Inconsistent Interface
- Platform Fragmentation
- Exchange Support Not Complete
- Limited # of Installed Applications

Motorola Droid

- Verizon Wireless exclusive
- \$199.99 with 2/yr contract
- 480x854 screen with hardware keyboard
- 5mp Camera w/Flash
- WiFi, GPS, Accelerometer
- MicroSD Slot
- Turn by Turn Navigation



Blackberry



Pros:

- Excellent Email Client
- Blackberry Messenger
- Lots of Applications
- Devices can be controlled centrally

Cons:

- Requires BlackBerry-specific server for corporate email
- Weak Web Browser
- Limited Multitasking
- Limited # of installed apps
- Platform Fragmentation

BlackBerry Bold 9700

- T-Mobile and AT&T
- \$199.99 with 2/yr contract
- 480x360 display
- 3.2mp Camera w/Flash
- MicroSD Slot
- WiFi, GPS



iPhone OS



Pros:

- Touch Interface
- MS Exchange Support
- Strong Web Browser
- 100k+ Apps
- Can Move Apps
Between Handsets

Cons:

- No Multitasking
- Only Apple-Approved
Applications
- No Flash Support
- Tied to iTunes

Apple iPhone 3GS

- AT&T Exclusive
- \$199 (16GB) or \$299 (32GB) with 2/yr contract
- 480x320 touch display
- 3.2mp Camera
- WiFi, GPS, Accelerometer



Symbian



Pros:

- #1 Smartphone Platform Worldwide
- Touch Support
- MS Exchange Support
- Good Web Browser
- Lots of Applications

Cons:

- Not User Friendly
- Platform Fragmentation
- Limited Flash Support
- Not Generally Available in US

Nokia E72

- Available On nokiusa.com and other retailers (not carriers operators)
- ~\$500
- 320x240 display
- 5mp Camera w/AF, Flash
- Supports 3G on AT&T and Euro/Asia (2100Mhz)



Windows



Mobile (WinMo)

Pros:

- Touch Support (newer models)
- MS Exchange Support
- Microsoft Office
- Lots of Applications
- Flash Support

Cons:

- Not User Friendly
- Poor Browser
- Platform Fragmentation
- OS Upgrades Vary

HTC Touch Pro 2

- T-Mobile, Sprint, Verizon, AT&T (Tilt 2)
- \$199-\$350 w/2 year Contract
- 480x800 touch display
- Slide-out QWERTY keyboard
- 3.2mp Camera
- WiFi, GPS, MicroSD



WebOS



Pros:

- Touch Support
- Excellent Web Browser
- MS Exchange Support
- Multitasking
- Best Contacts/Calendar

Cons:

- Not A Lot Of Apps
- No Flash Support

Palm Pre

- Sprint Exclusive (GSM variant available in Europe)
- \$199 w/2 year contract
- 320x480 display
- 3mp Camera w/Flash
- WiFi, GPS, Accelerometer



General Advice

- Not going to get everything you want
- Try the phones at the operator stores
- Check operator coverage maps, ask around