



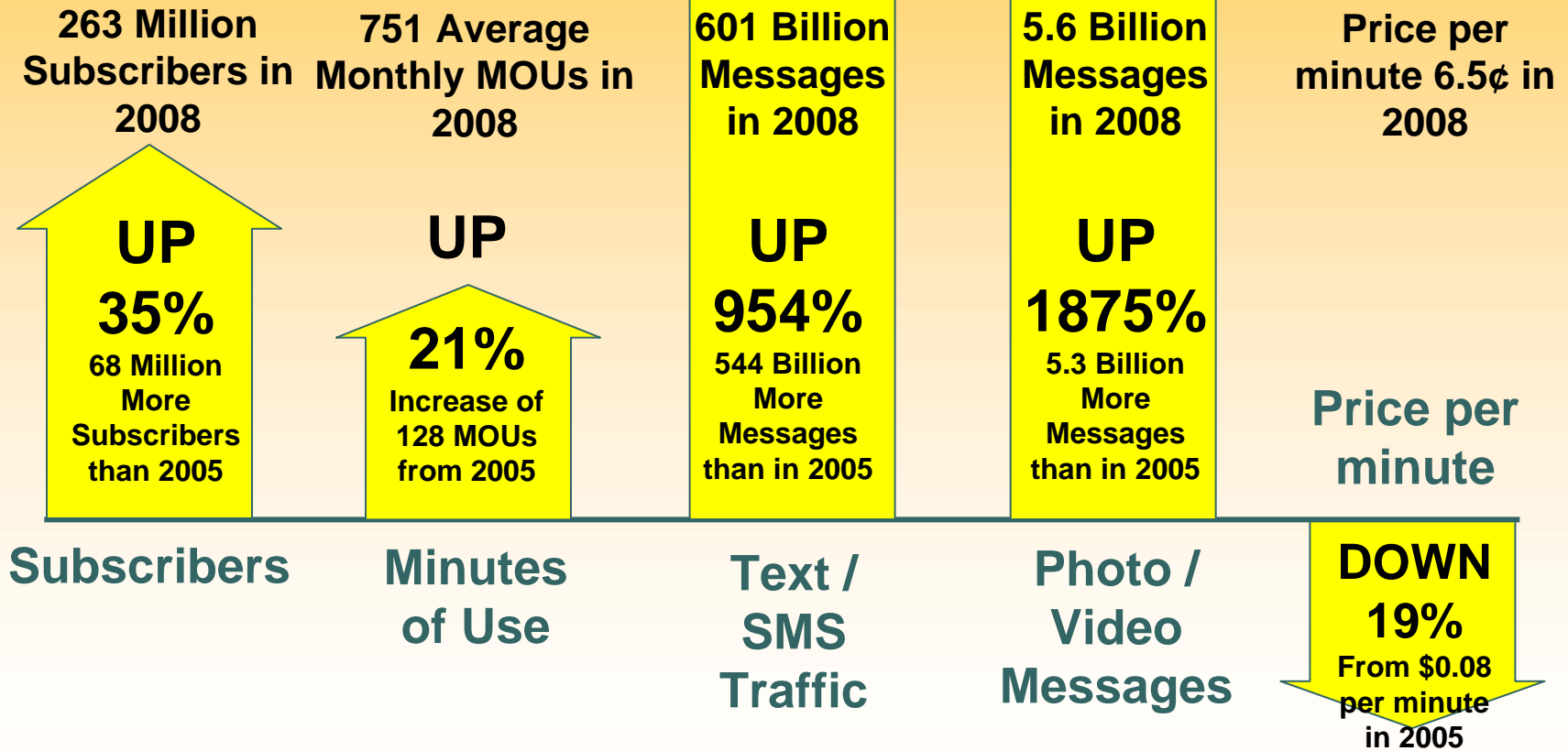
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Wireless Telecommunications Overview

January 2009



Promoting Competition Across Technology Platforms - Wireless



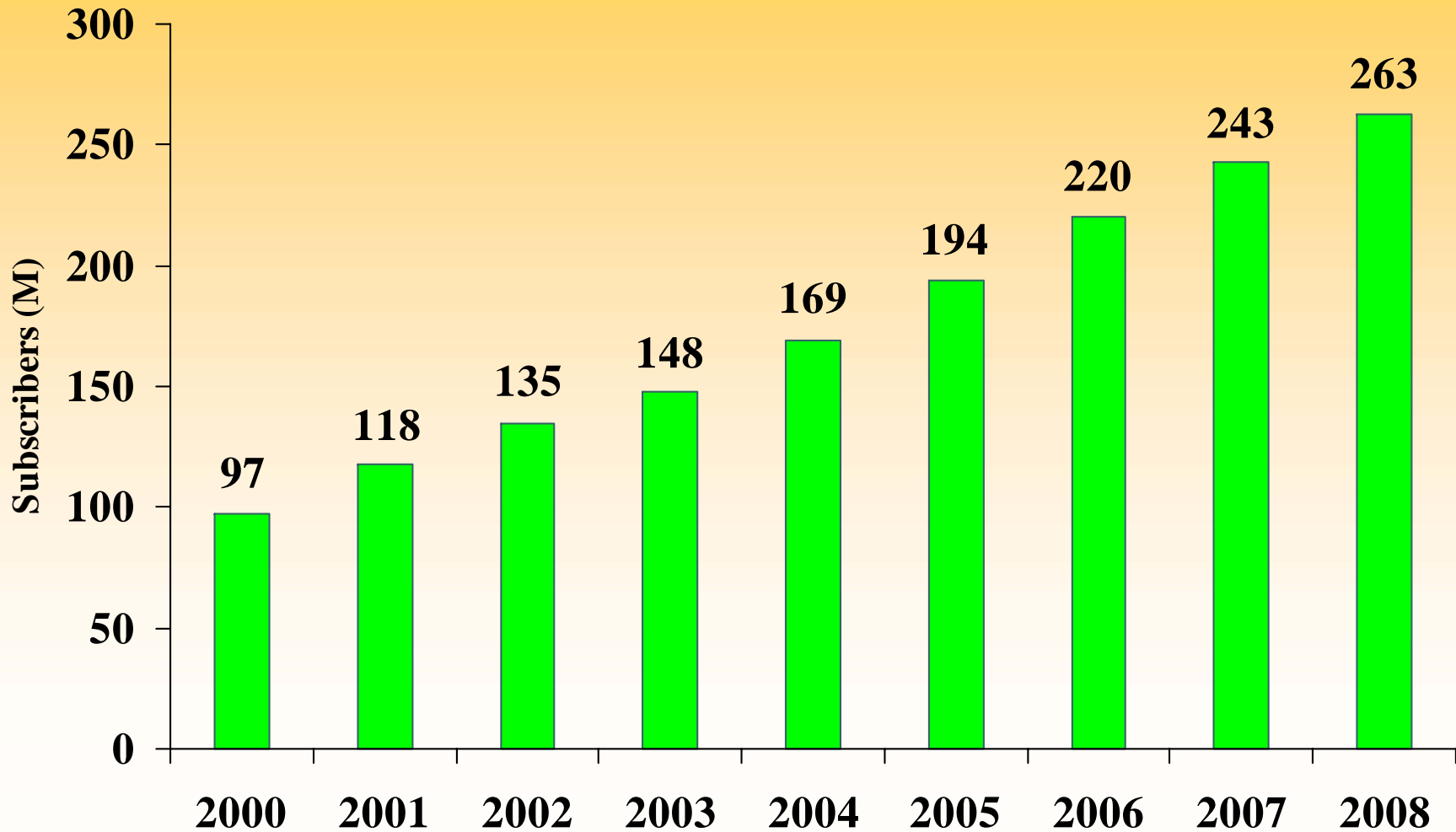
Mobile Telephone Service Trends (June 2005 - June 2008)

Source: CTIA – The Wireless Association; FCC.



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Total U.S. Mobile Wireless Subscribers



Source: CTIA-The Wireless Association, as of June of each year.



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Price Per Minute for Mobile Telephone Service



Source: Calculated using ALMB and Average Minutes of User per Subscriber per Month measures from CTIA-The Wireless Association. As of June of each year.



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Mobile Telephone Competition and Rollout

Estimated Mobile Telephone Rollouts by Census Block

Total Number of Providers in a Census Block	% of Total U.S. POPs
At least 1 Provider	99.6%
At least 2 Providers	98.5%
At least 3 Providers	95.5%
At least 4 Providers	90.5%

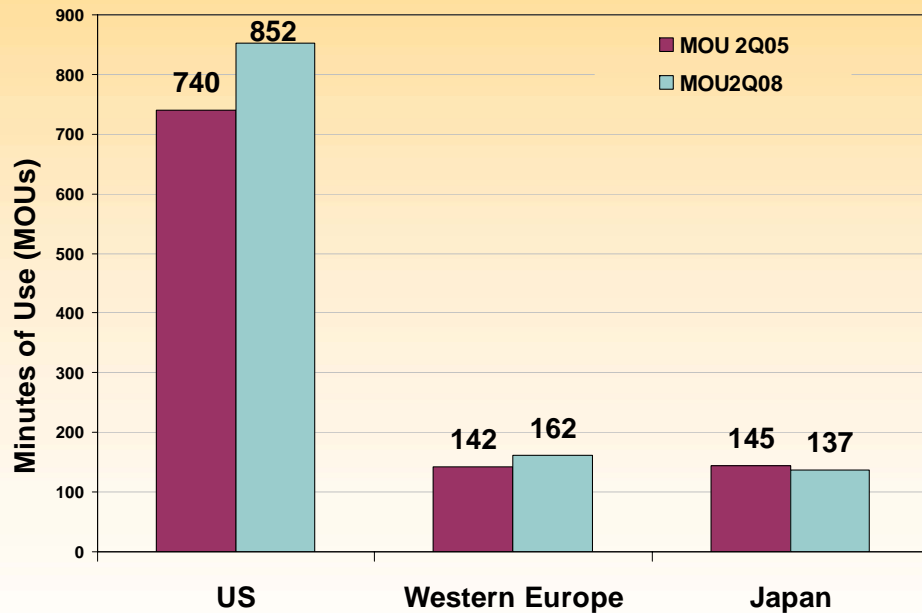
Source: FCC, as of mid-2008. Estimates are based on Census Blocks using 2000 Census.



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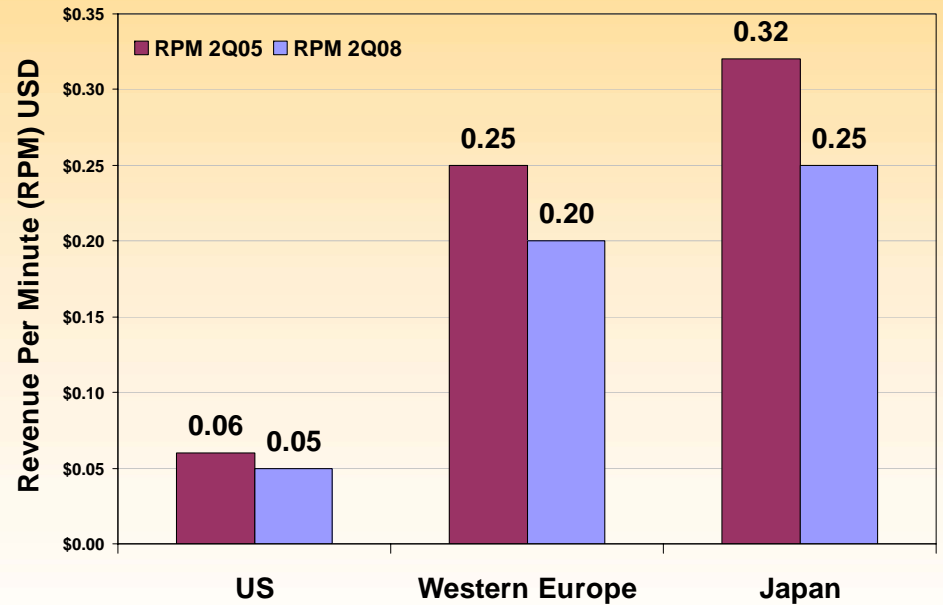
Comparing Wireless Markets – U.S. vs. Overseas

Average Minutes-of-Use per Month



Source: Merrill Lynch, Global Wireless Matrix

Price per Minute



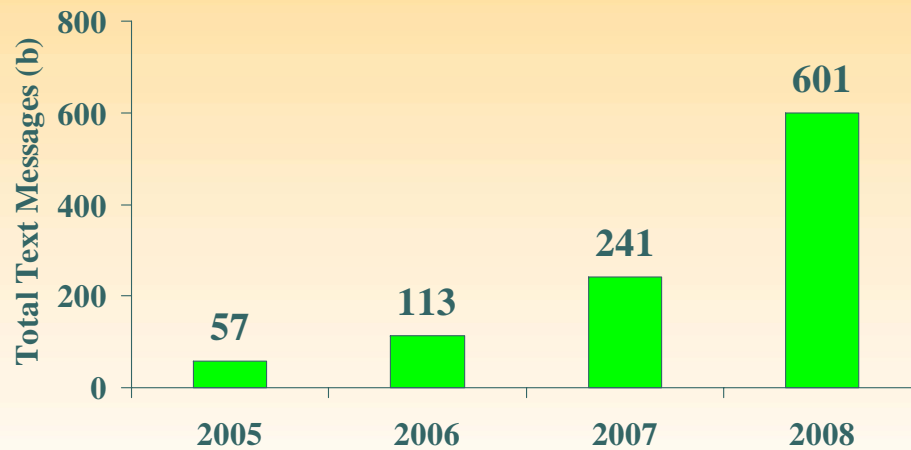
Source: Merrill Lynch, Global Wireless Matrix



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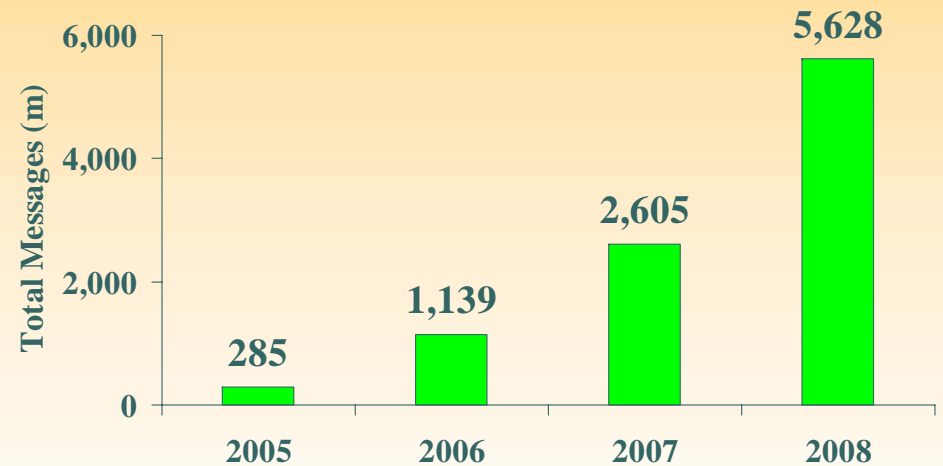
Growth in Mobile Messaging Services

Text/SMS Messages (billions)



Source: CTIA-The Wireless Association (2005-2008)
Annualized, June to June.

Photo and Video Messages (millions)



Source: CTIA-The Wireless Association (2005-2008)
Annualized, June to June.



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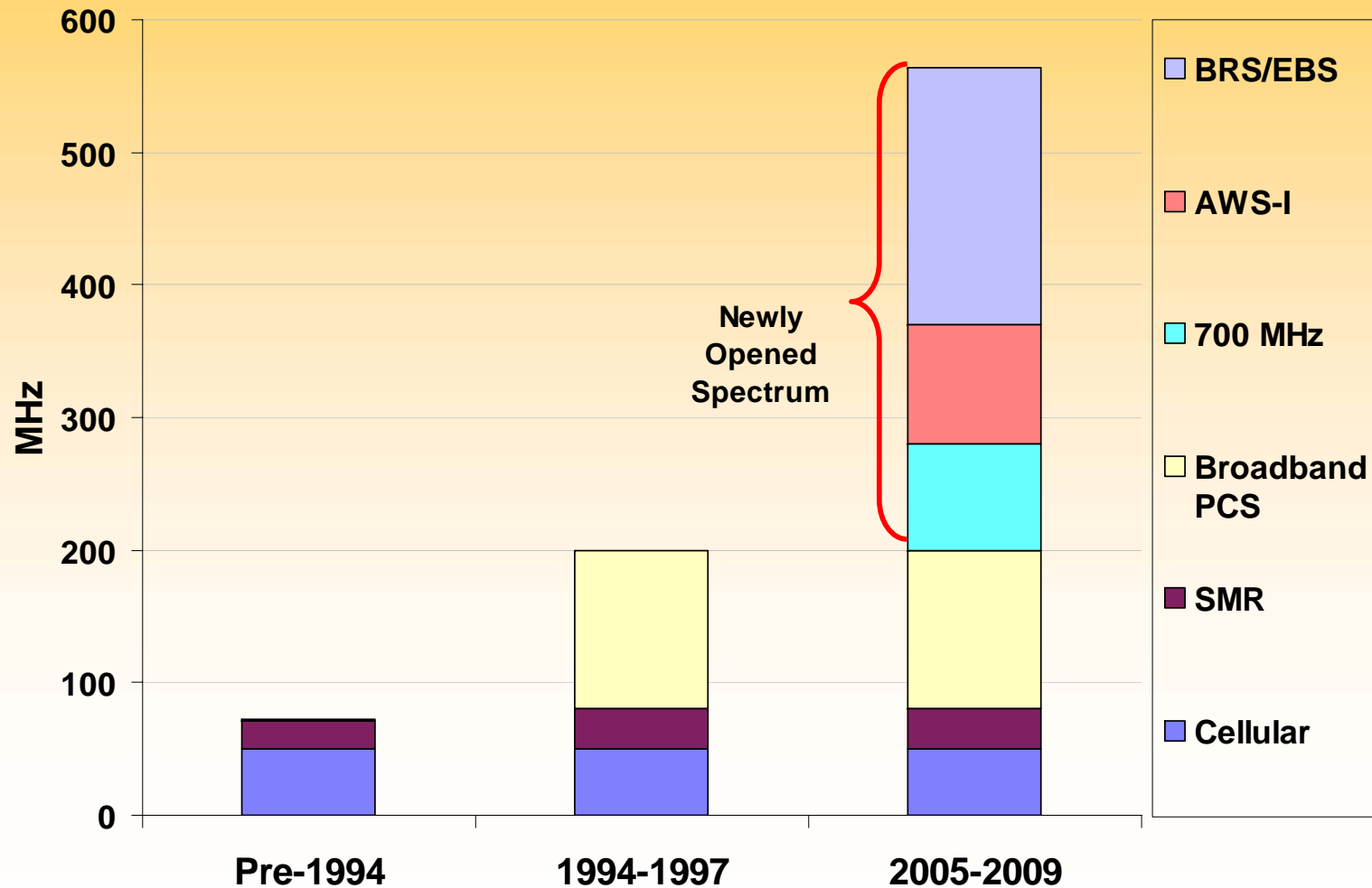
Fostering Innovation Through Open Technology Platforms

- In 2005, and until only very recently, most wireless carriers operated “closed” networks.
- In July 2007, the FCC adopted an “open platform” rule for one-third of the 700 MHz spectrum auctioned in early 2008 (the “C Block”).
- Verizon Wireless, AT&T, T-Mobile, and New Clearwire have announced plans to deploy open platforms when not mandated by FCC regulation.



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Opening Additional Spectrum for Efficient Use For Mobile Wireless Broadband Services

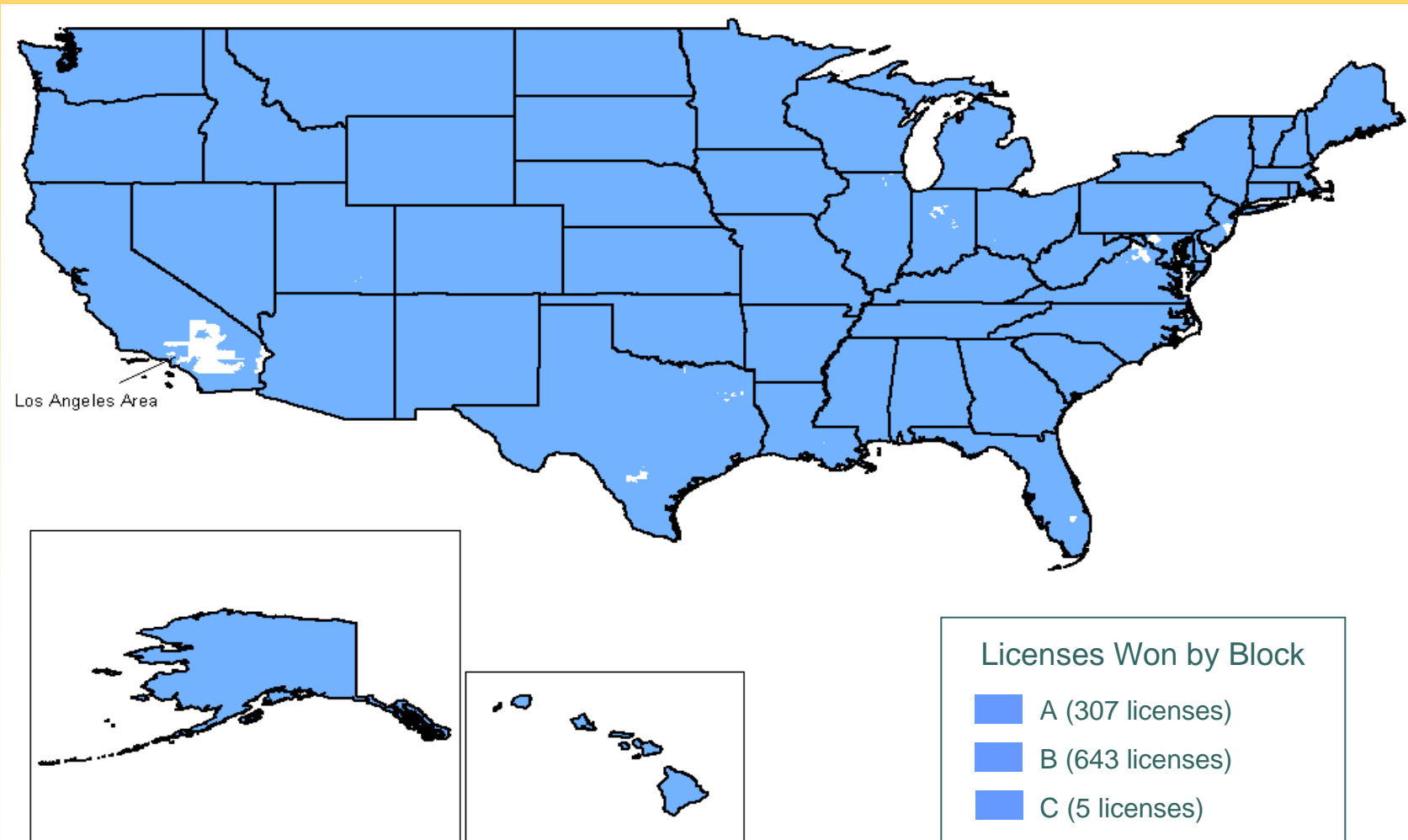


Source: FCC



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Licenses Won by Providers Other Than Incumbent Telephone or Cable Company

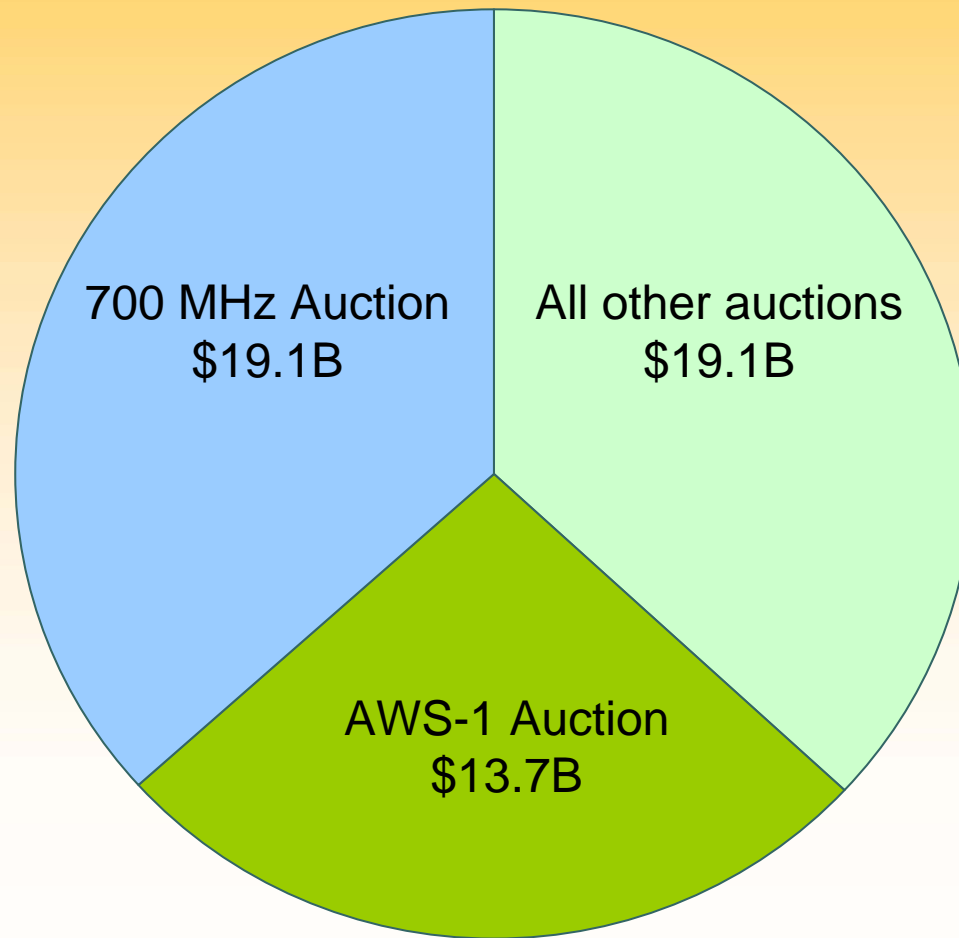


Note: Map includes 700 MHz A, B, and Upper C Block licenses in the 50 states won by bidders in areas without wired networks.



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Comparison of 700 MHz and AWS-1 Auction Revenues vs. All Others



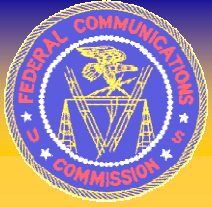
Note: 700 MHz Auction revenues do not account for bidding credits. (FCC, April 2008)



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Advancing Broadband Deployment

- Classified Wireless Broadband Internet Access as an information Service - placing it on the same footing as DSL, cable modem, and broadband-over-powerline (BPL).
- Adopted more stringent performance requirements for commercial 700 MHz licenses - promoting deployment of broadband especially to rural areas.
- Finalized rules for transition of 2.5 GHz spectrum to its new band plan - transition is now complete in markets serving 86% of the U.S. population.
- Adopted an innovative “hybrid” licensing regime for the 3650-3700 MHz band to facilitate access to, and intensive use of, the band.



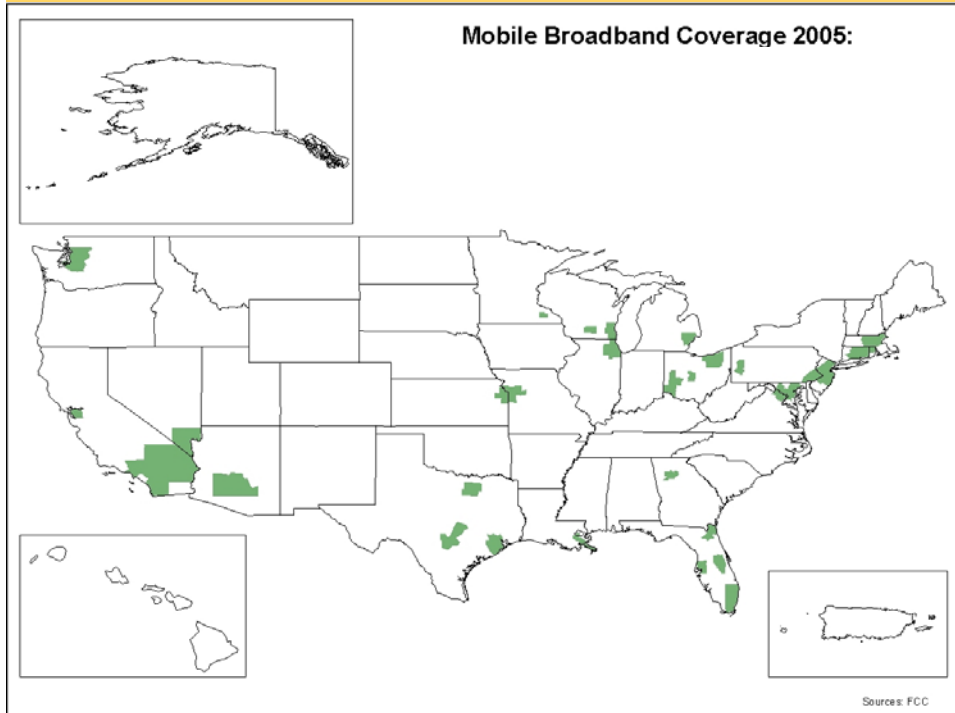
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Advancing Broadband Deployment – Marketplace Developments



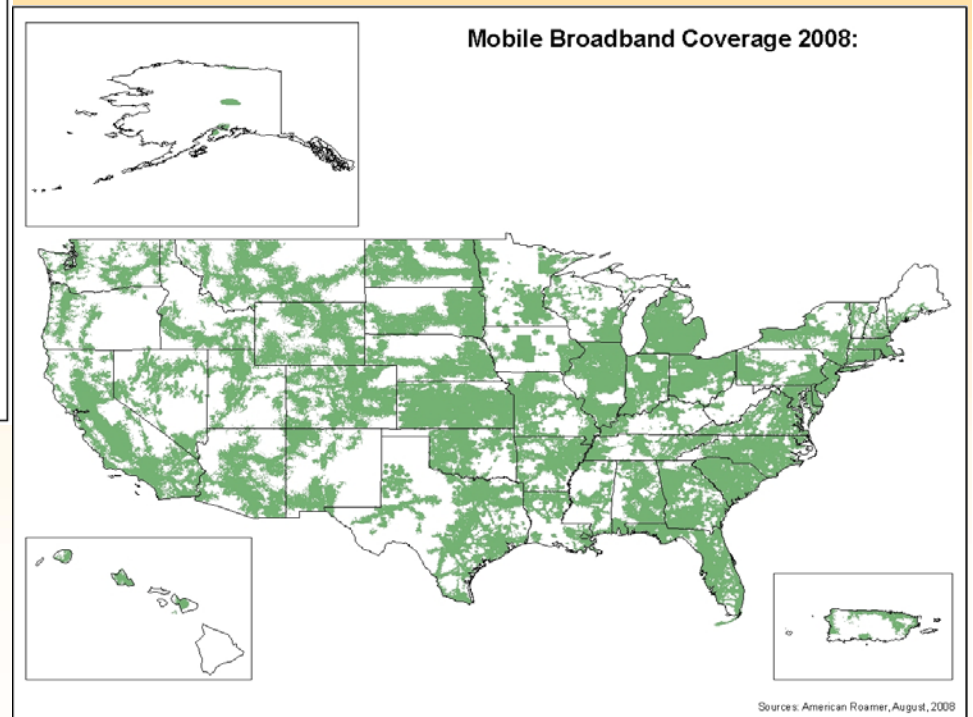
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Mobile Broadband Coverage Over Time



2005

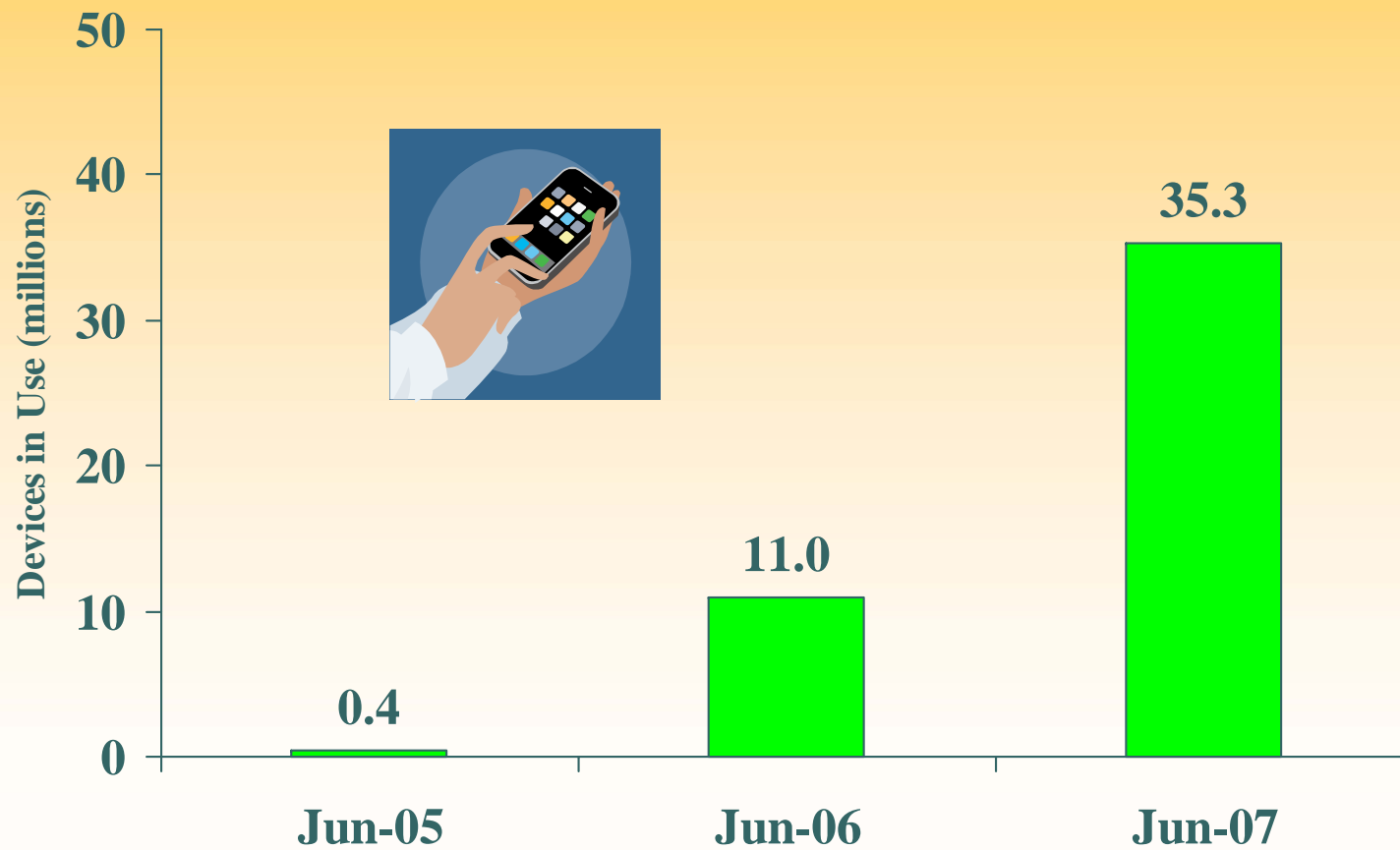
2008





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Mobile Broadband Devices In Use (millions)



Source: FCC



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