
EE16A Lecture 19: Introduction to Wireless

Elad Alon, Babak Ayazifar, Gireeja Ranade,
Vivek Subramanian, Claire Tomlin

What Wireless Systems Have You Used?

Economic Impact of Wireless

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U.S. wireless spectrum auction raises record \$44.9 billion

WASHINGTON | BY ALINA SELYUKH AND MALATHI NAYAK



(Reuters) - The U.S. Federal Communications Commission raised a record \$44.9 billion in the auction of so-called AWS-3 airwaves that closed on Thursday, marking the highest point yet in the wireless industry's appetite for more spectrum.

Wireless carriers [Verizon Communications Inc](#), AT&T Inc and T-Mobile US Inc, satellite TV provider Dish Network Corp and others vied for new slices of airwaves to satisfy the growing consumer demand for streaming video and other data-guzzling applications.

Regulators will disclose the winners of the auctioned spectrum licenses in the coming days.

The auction presented the largest opportunity for companies to buy new wireless spectrum since 2008. But it shattered the expectations of analysts and the FCC, barreling past the previous record of \$10.4 billion in the first week of bidding and more than doubling the bid of

See how

→

Intel inside XEON

Cisco UCS with Intel Xeon processors

CISCO

TOMORROW starts here.

TRENDING ON REUTERS

FCC Spectrum Allocation Chart

UNITED STATES FREQUENCY ALLOCATIONS THE RADIO SPECTRUM

RADIO SERVICES COLOR LEGEND

AIRCRAFT MOBILE	AIRCRAFT	RADIO AMATEUR
AIRCRAFT MOBILE SATELLITE	LAUNCHING	RADIOCOMMUNICATION SATELLITE
AIRCRAFT RADIOCOMMUNICATION	LAUNCHING SATELLITE	RADIOLOCATION
MARINE	WIRELESS	RADIOLOCATION SATELLITE
AIRCRAFT SATELLITE	WIRELESS SATELLITE	RADIOLOCATION
BROADCASTING	WIRELESS RADIOCOMMUNICATION	RADIOCOMMUNICATION SATELLITE
BROADCASTING SATELLITE	WIRELESS SATELLITE	BROADCASTING
BROADCASTING SATELLITE	WIRELESS SATELLITE	BROADCASTING SATELLITE
FID	WIRELESS	BROADCASTING SATELLITE
FID SATELLITE	WIRELESS SATELLITE	BROADCASTING SATELLITE

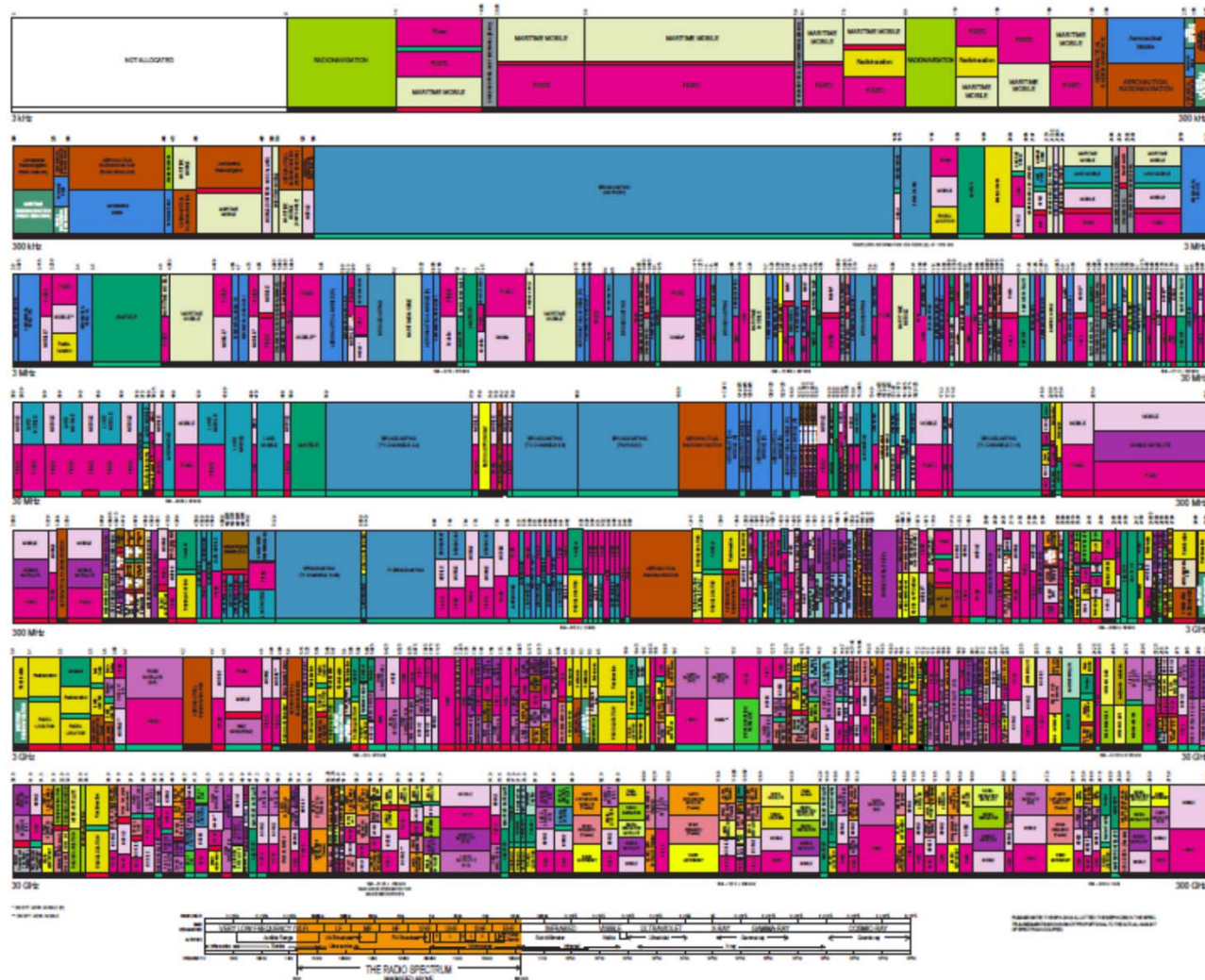
ACTIVITY CODE

PRIMARY SERVICE	EXPERIMENTAL/COMBAT SERVICE
SECONDARY SERVICE	

ALLOCATION USAGE DESIGNATION

PRIMARY	SECONDARY	COMBAT SERVICE
PRIMARY	SECONDARY	COMBAT SERVICE

U.S. DEPARTMENT OF COMMERCE
National Telecommunications and Information Administration
Office of Spectrum Management
October 2003



- Key question: how can all of these work at the same time??

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