UNITED STATES FREQUENCY ALLOCATIONS

THE RADIO SPECTRUM

RADIO SERVICES COLOR LEGEND

- AERONAUTICAL MOBILE
- AERONAUTICAL MOBILE SATELLITE
- AERONAUTICAL RADIONAVIGATION
- INTER-SATELLITE
- LAND MOBILE
- LAND MOBILE SATELLITE
- RADIO ASTRONOMY
- RADIODETERMINATION SATELLITE
- RADIOLOCATION
- AMATEUR
- AMATEUR SATELLITE
- BROADCASTING
- BROADCASTING SATELLITE
- EARTH EXPLORATION SATELLITE
- FIXED
- FIXED SATELLITE
- MARITIME MOBILE
- MARITIME MOBILE SATELLITE
- MARITIME RADIONAVIGATION
- METEOROLOGICAL AIDS
- METEOROLOGICAL SATELLITE
- MOBILE
- MOBILE SATELLITE
- RADIOLOCATION SATELLITE
- RADIONAVIGATION
- RADIONAVIGATION SATELLITE
- SPACE OPERATION
- SPACE RESEARCH
- STANDARD FREQUENCY AND TIME SIGNAL
- STANDARD FREQUENCY AND TIME SIGNAL SATELLITE

ACTIVITY CODE

- GOVERNMENT EXCLUSIVE
- GOVERNMENT/NON-GOVERNMENT SHARED
- NON-GOVERNMENT EXCLUSIVE

ALLOCATION USAGE DESIGNATION

SERVICE	EXAMPLE	DESCRIPTION
Primary	FIXED	Capital Letters
Secondary	Mobile	1st Capital with lower case letters

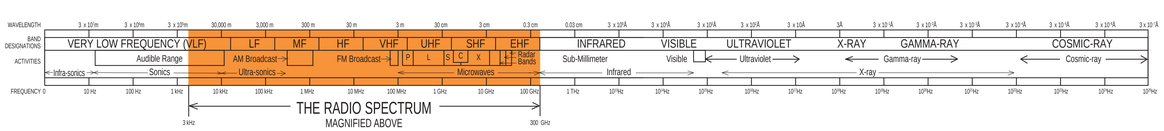
This chart is a graphic single-point-in-time portrayal of the Table of Frequency Allocations used by the FCC and NTIA. As such, it does not completely reflect all aspects, i.e., footnotes and recent changes made to the Table of Frequency Allocations. Therefore, for complete information, users should consult the Table to determine the current status of U.S. allocations.

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

October 2003

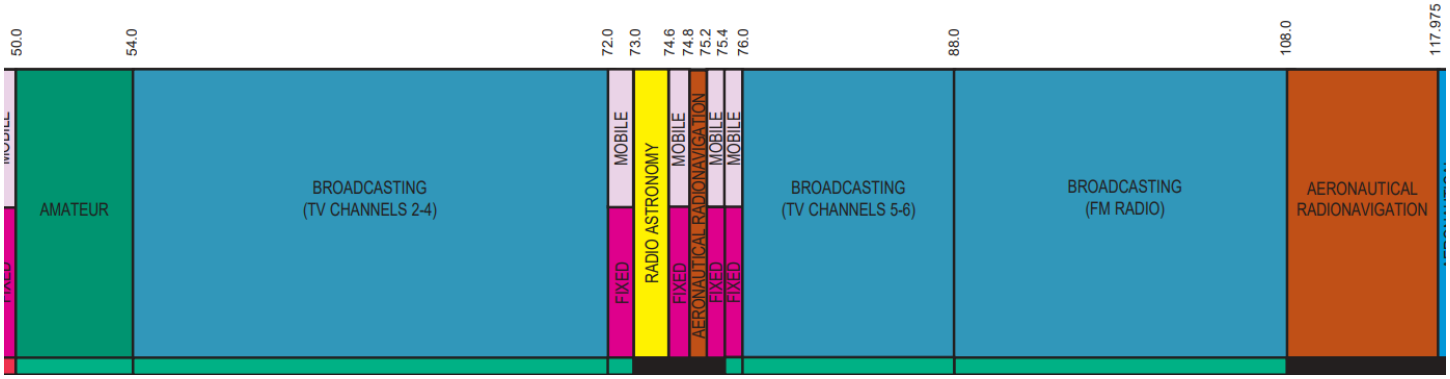
* EXCEPT AERO MOBILE (R)

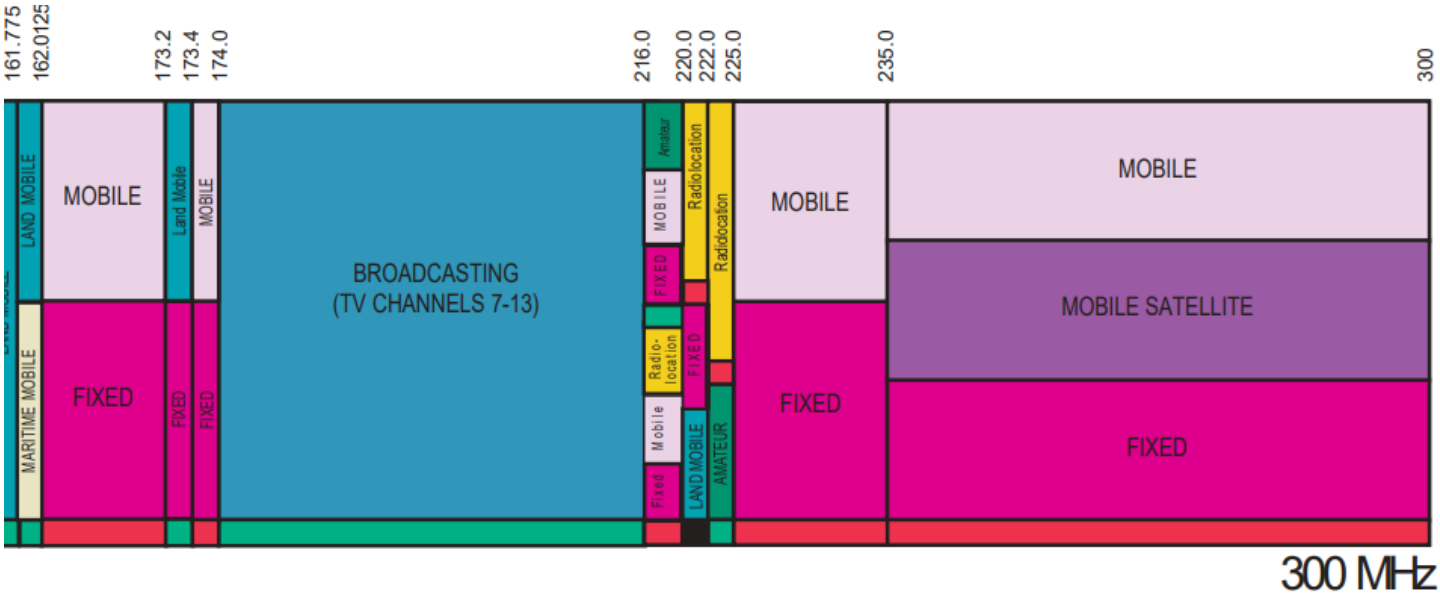
** EXCEPT AERO MOBILE

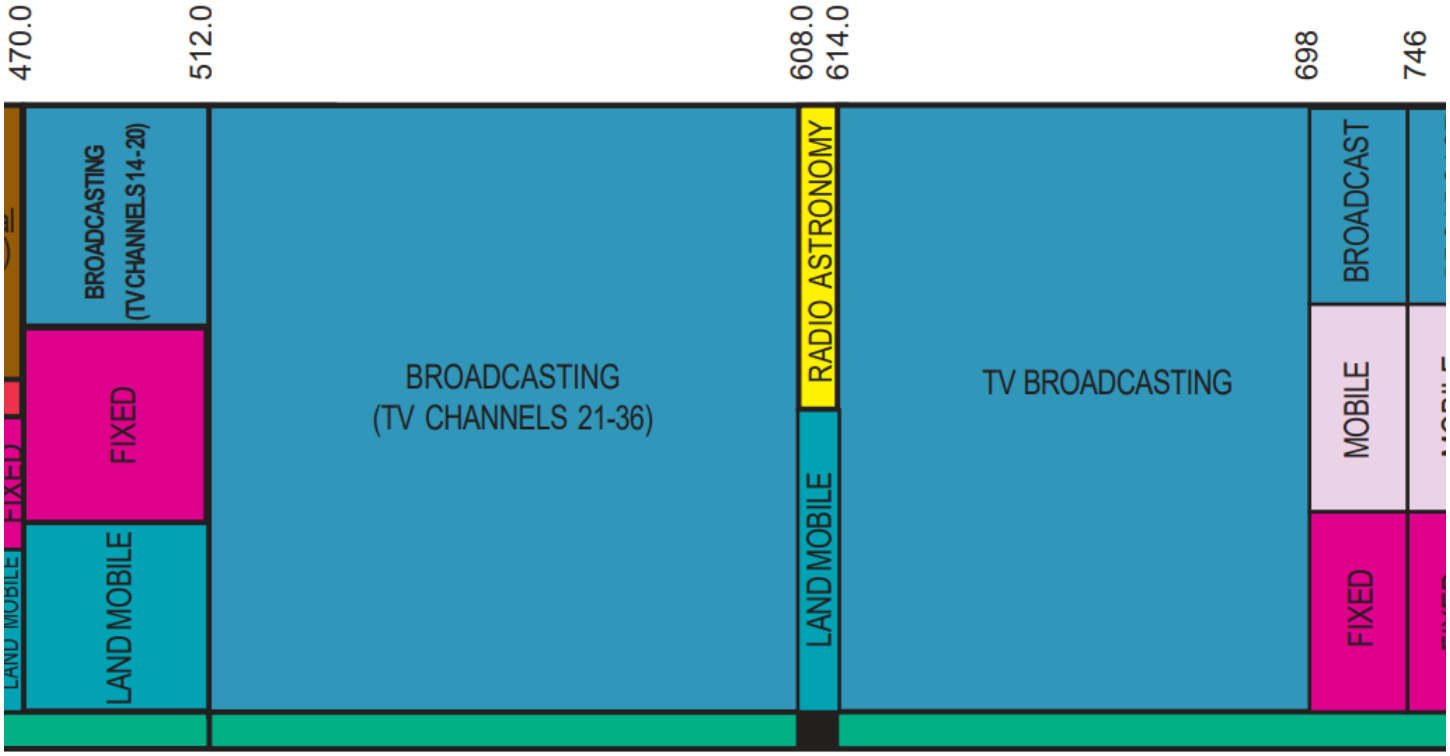


PLEASE NOTE: THE SPACING ALLOTTED THE SERVICES IN THE SPECTRUM SEGMENTS SHOWN IS NOT PROPORTIONAL TO THE ACTUAL AMOUNT OF SPECTRUM OCCUPIED.

Comcast, Ex. 1086
Comcast v. Entropic
IPR2025-00180


50.0
54.0
72.0
73.0
74.6
74.8
75.2
75.4
76.0
88.0
108.0
117.975
MOBILE
AMATEUR
FIXED
BROADCASTING
(TV CHANNELS 2-4)
MOBILE
FIXED
RADIO ASTRONOMY
MOBILE
FIXED
AERONAUTICAL RADIONAVIGATION
MOBILE
FIXED
MOBILE
FIXED
BROADCASTING
(TV CHANNELS 5-6)
BROADCASTING
(FM RADIO)
AERONAUTICAL
RADIONAVIGATION


161.775
162.0125
173.2
173.4
174.0
216.0
220.0
222.0
225.0
235.0
300
LAND MOBILE
MARITIME MOBILE
MOBILE
FIXED
Land Mobile
FIXED
MOBILE
FIXED
BROADCASTING
(TV CHANNELS 7-13)
Amateur
MOBILE
FIXED
Radio-location
Mobile
Fixed
Radiolocation
FIXED
LAND MOBILE
Radiolocation
AMATEUR
MOBILE
FIXED
MOBILE
MOBILE SATELLITE
FIXED
300 MHz


470.0
512.0
608.0
614.0
698
746
LAND MOBILE
FIXED
BROADCASTING
(TV CHANNELS 14-20)
LAND MOBILE
FIXED
BROADCASTING
(TV CHANNELS 21-36)
LAND MOBILE
RADIO ASTRONOMY
TV BROADCASTING
FIXED
MOBILE
BROADCAST