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## Unites State Frequency Allocatoins: The Radio Spectrum

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## STATES FREQUENCY ALLOCATIONS THE BADIO SDEPTRIM

NOT ALLOCATED

AERONAUTICAL RADIONAVIGATION (RADIO BEACONS)

3 kHz

RADIONAVIGATION

495 505 510 525 535

Aeronautical Radionavigation MARITIME MOBILE



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

1st Capital with lower case letters

Capital Letters

/BROADCASTING/ Capital Letters between oblique strokes

For sale by the U.S. Government Printing Office Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328

FIXED

C 60.16: R11 1996

Secondary

Aeronautical Mobile MARITIME MOBILE TRAVELERS INFORMATION SERVICE AT 1610 kHz 121.9375 123.0875 123.0875 123.0875 123.0875 133.0875 136.0 137.025 137.025 137.025 137.025 137.025 144.0 144.0 146.0 149.9 150.05 150.05 150.05 157.45 161.625 161.625 161.775 162.0125 30.00 30.05 33.0 33.0 34.0 35.0 36.0 36.0 38.25 39.0 40.0 72.0 73.0 74.6 75.2 75.4 76.0 MOBILE MOBILE BROADCASTING (TV CHANNELS 2-4) BROADCASTING BROADCASTING (TV CHANNELS 7-13) MOBILE SATELLITE ISM –  $40.68 \pm .02$  MHz 137-139 SPACE RESEARCH (SPACE TO EARTH) 902 928 929 932 935 940 941 960 ISM – 915.0  $\pm$  13 MHz 1850-1910 AND 1930-1990 MHz ARE ALLOCATED TO PCS; 1910-1930 MHz IS DESIGNATED FOR UNLICENSED PCS DEVICES ISM –  $5.8 \pm .075$  GHz 30 GHz ISM - 61.25 ± .250 GHz ISM – 122.5  $\pm$  .500 GHz 59-64 GHz IS DESIGNATED FOR UNLICENSED DEVICES \* EXCEPT AERO MOBILE (R) \*\* EXCEPT AERO MOBILE 30 cm 3 cm 0.3 cm 0.03 cm 3 x 10<sup>4</sup>Å VERY LOW FREQUENCY ( ††BAND TO BE DESIGNATED FOR MIXED USE ULTRAVIOLET COSMIC-RAY PLEASE NOTE: THE SPACING ALLOTED THE SERVICES IN THE # BAND ALLOCATED TO PERSONAL COMMUNICATIONS SERVICES (PCS) Audible Range / SPECTRUM SEGMENTS SHOWN IS NOT PROPORTIONAL TO THE AM Broadcast + FM Broadcast ACTIVITIES Sub-Millimeter ← Gamma-ray — → ACTUAL AMOUNT OF SPECTRUM OCCUPIED. ✓ Infra-sonics →
Sonics — → Ultra-sonics → FREQUENCY 0 100 Hz 10 kHz 100 kHz 1 MHz 10 MHz 1 GHz 10<sup>13</sup>Hz 10<sup>14</sup>Hz 10<sup>15</sup>Hz 10<sup>16</sup>Hz 10<sup>17</sup>Hz 10<sup>18</sup>Hz 10<sup>19</sup>Hz THE RADIO SPECTRUM MAGNIFIED ABOVE

275 285 300

Aeronautical Mobile

AERONAUTICAL RADIONAVIGATION

☆ U.S.Government Printing Office 1996 – 408-274

MARITIME MOBILE

**MARITIME** 

MOBILE

MARITIME MOBILE

Radiolocation

FIXED

RADIONAVIGATION

MOBILE

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Poster file