The spectrum is a precious range of electromagnetic waves extending from the longest radio waves through ultra high frequency and down to gamma rays. It is a finite resource, carefully managed by the International Telecommunication Union (ITU) to ensure its optimal use and to avoid interference between different services. The spectrum allocations chart is a visual representation of the frequency bands allocated for various uses, including broadcasting, telecommunications, and research. Each band is color-coded to indicate the type of use, such as fixed, mobile, and aeronautical services. The chart is a crucial tool for spectrum management, ensuring that users can communicate without interruption and that the radio spectrum is used efficiently.