

ELECTROMAGNETIC SPECTRUM

GLOSSARY:

- ✿ **Adulteration:** The act of debasing a pure commodity for small profit, by adding to it and inferior or spurious article or by taking from it one or more of its constituents.
- ✿ **Amateur radio:** A service, in which the participants use various types of radio communications equipment to communicate with other.
- ✿ **Angstrom:** It is used to measure wavelength of electromagnetic radiation.
- ✿ **Deviation:** Bending or variation from the normal path.
- ✿ **Dispersion:** The phenomenon of splitting of white light into its constituent colors on passing through a glass prism.
- ✿ **Electromagnetic:** It comprises of electric and magnetic field components, which oscillate in phase perpendicular to each other and perpendicular to the direction of energy propagation.
- ✿ **Forgery:** An illegal modification or reproduction of an instrument, document or signature.
- ✿ **Frequency:** The number of occurrences of a repeating event per unit time.

- ✿ **Homogeneous:** Uniform in structure or composition throughout.
- ✿ **Impure Spectrum:** A spectrum, in which various bands of colors have no sharp well-defined boundaries, but merge with each other.
- ✿ **Pure Spectrum:** A spectrum, in which various bands of color have sharp well-defined boundaries and do not merge with each other.
- ✿ **Refrangibility:** The angle, through which light of a particular wavelength can deviate while passing through a prism.
- ✿ **Spectrometer:** An instrument, used to measure properties of light over a specific portion of the electromagnetic spectrum.
- ✿ **Spectrum:** The band of colors, obtained on a white screen, when white light splits into its constituent colors, on passing through a prism.
- ✿ **Sterilization:** The process, which eliminates or kills all forms of life, including transmissible agents such as fungi, bacteria, viruses etc. present on a surface.
- ✿ **Wavelength:** The distance, between identical points in the adjacent cycles of a waveform signal propagated in space or along a wire.