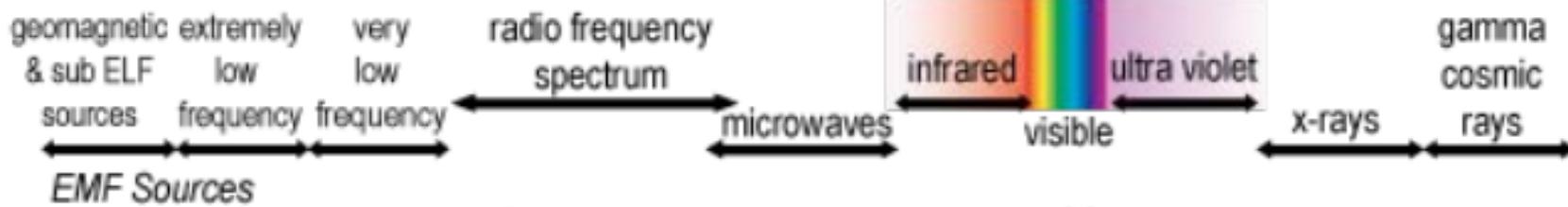
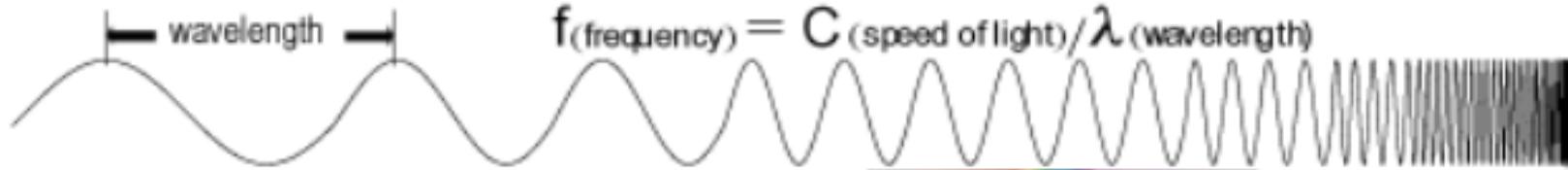


# THE ELECTROMAGNETIC SPECTRUM

DC SELF 3 Hz ELF 3 kHz VLF 30 kHz LF MF HF VH F UHF 3 GHz SHF EHF 300 GHz 430 - 750 THz 30 PHz 3 EH z 300 EH z

non-ionizing

ionizing



EMF Sources



earth &  
subways



AC power



CRT  
monitors



mobile  
AM/FM



TV



cell/  
PCS



microwave  
& satellite



sunlight



medical  
x-rays



radioactive  
sources

Gigahertz (GHz) 10<sup>-9</sup> Terahertz (THz) 10<sup>-12</sup> Petahertz (PHz) 10<sup>-15</sup> Exahertz (EHz) 10<sup>-18</sup> Zettahertz (ZHz) 10<sup>-21</sup> Yottahertz (YHz) 10<sup>-24</sup>