THE ELECTROMAGNETIC SPECTRUM

Penetrate Earth's Atmosphere

Radiation Type	Gamma Ray	X-ray	Ultraviolet	Visible	Infrared	Microwave	Radio
Wavelength (m)	10^{-12}	10^{-10}	10^{-8}	5×10^{-6}	10^{-5}	10^{-1}	10^{3}

About the Size of	Atomic Nuclei	Atoms	Molecules	Protozoans	Pinpoint	Honey Bee	Humans	Buildings

Short wavelength
High energy
High frequency

Long wavelength
Low energy
Low frequency