

LIGHT
EMS Wavelength

Wavelength	Type of wave	Uses
Longer than 30 cm	<u>radio waves</u>	radio and TV
0.1 cm to 30 cm	<u>microwaves</u>	microwave ovens, cell phones, communication satellites, radar
700 nm to 1 mm	infrared waves	<u>night binoculars, heat photographs</u>
400 nm to 700 nm	<u>visible light</u>	human sight
60 nm to 400 nm	ultraviolet light	<u>making vitamin D, killing bacteria</u>
0.001 nm to 60 nm	X rays	medical X rays, security
Shorter than 0.1 nm	<u>gamma rays</u>	killing cancer cells, killing bacteria in food

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