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The sky wave propagation is well depicted in the above picture. Here the waves are shown to be transmitted from one place and where it is received by many receivers. Hence, it is an example of broadcasting. The waves, which are transmitted from the transmitter antenna, are reflected from the ionosphere.

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Ground wave propagation - Wikipedia

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- Velocity of propagation of a wave in free space is given by 3×10^8 m/s.
- E and H oscillate in phase and ratio of their amplitudes is constant and is equal to:

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Space Wave: -A direct wave, or space wave, travels in a straight line directly from the transmitting antenna to the receiving antenna. (LOS) Sky Wave:-Sky-wave signals are radiated by the antenna into the upper atmosphere, where they are bent back to earth. Ground Wave: Ground or surface waves leave an antenna and remain close to the earth.

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