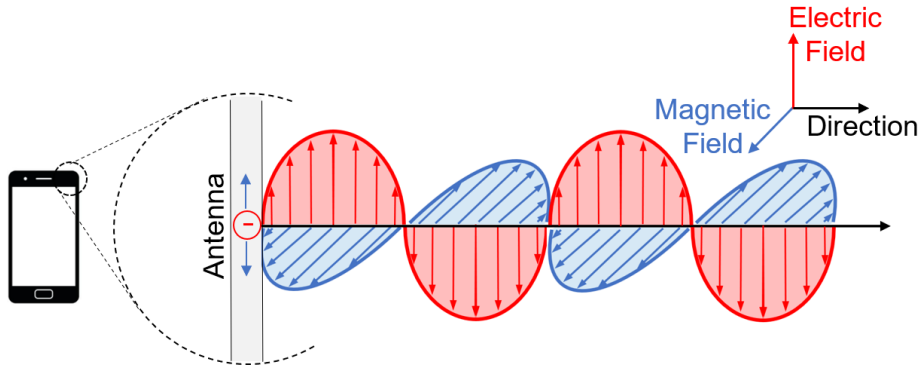


## Activity 1: Sending EM Waves

A cell phone antenna sends a signal by 'wiggling' tiny electrons within it. This motion of a charged particle creates both a changing electric field and a changing magnetic field that travels throughout space. This is known as an electromagnetic wave.



## Activity 2: Encoding Information

Examine this analog wave, the binary code (right), and the waveforms (below) for this activity.

