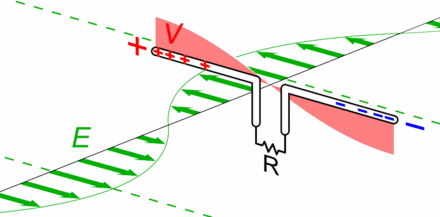
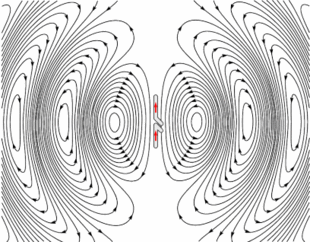
**Communication:**

We would like to have the data available for the explorer in real time and instead of sending the data to the satellite and then send it to the explorer, we think it would be good to have a local “Transmission” using UHF which is a long distance and stable wave, to send the data between the cones and the person.



To receive the data the receptor antenna catch the incoming wave as an electromagnetic wave in the same frequency as the one is sent, after receiving the signal this is converted to electrical input and read as analog data.



This is how the waves are sent, the range of this waves are around 120km, however, to prevent miss calculations for the communication between the cones, the human and the rover the cones will have a maximum distance in between of 100km.

The interaction of the UHF will be local in mars, basically the data will be send to the explorer, and the basement in earth separately, of course the local data manipulated in the planet will be known by the Nasa too.