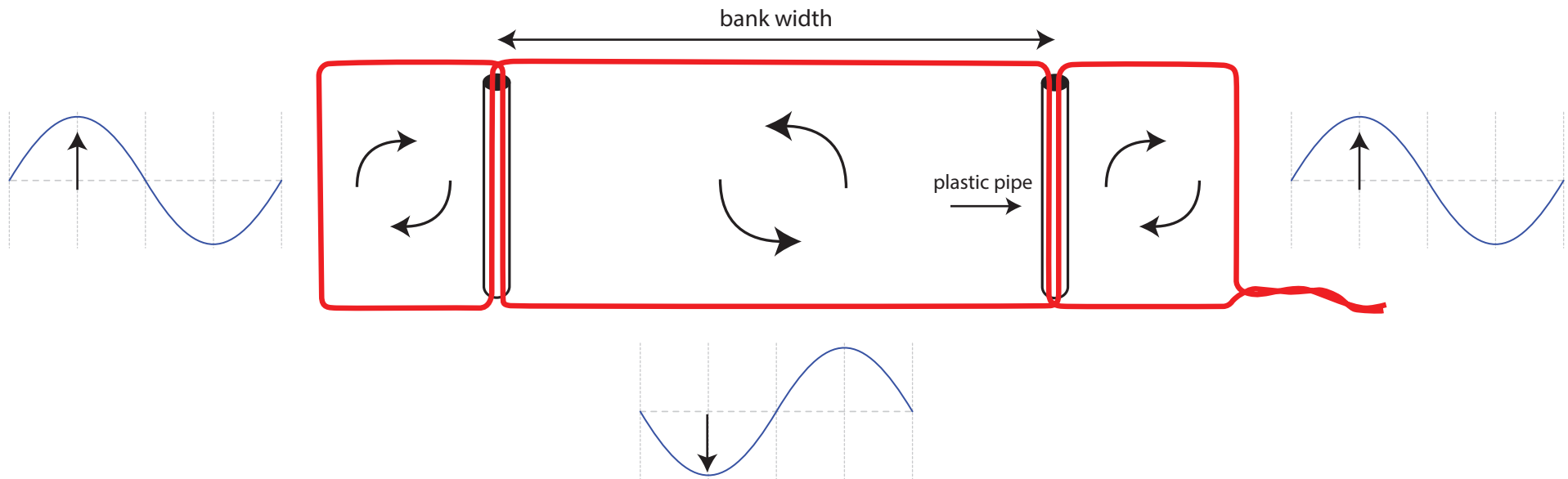


Noise Cancelling Antenna



Electrical current in each section flows in the opposite direction

Noise from a distant source is detected by all sections and the opposing signals are added together to cancel out.

The signal from a PIT tag near any section will not be strong enough to be received by the other sections and is not canceled.