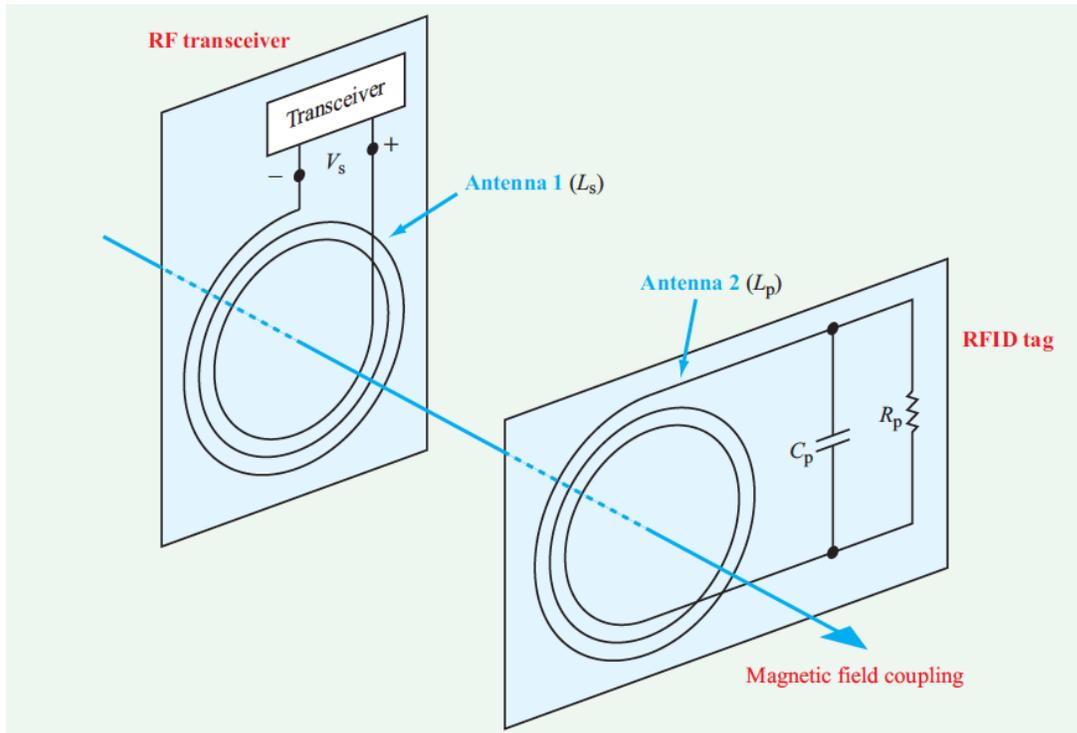


**Concept Question 6-8:** How does the transmitter in the RFID system transfer power to the RLC circuit?



The RFID transfers power through the magnetic field coupling the two coil antennas. These two inductors behave like an air-gap transformer: a sinusoidal current flowing through one coil induces a current in the other.