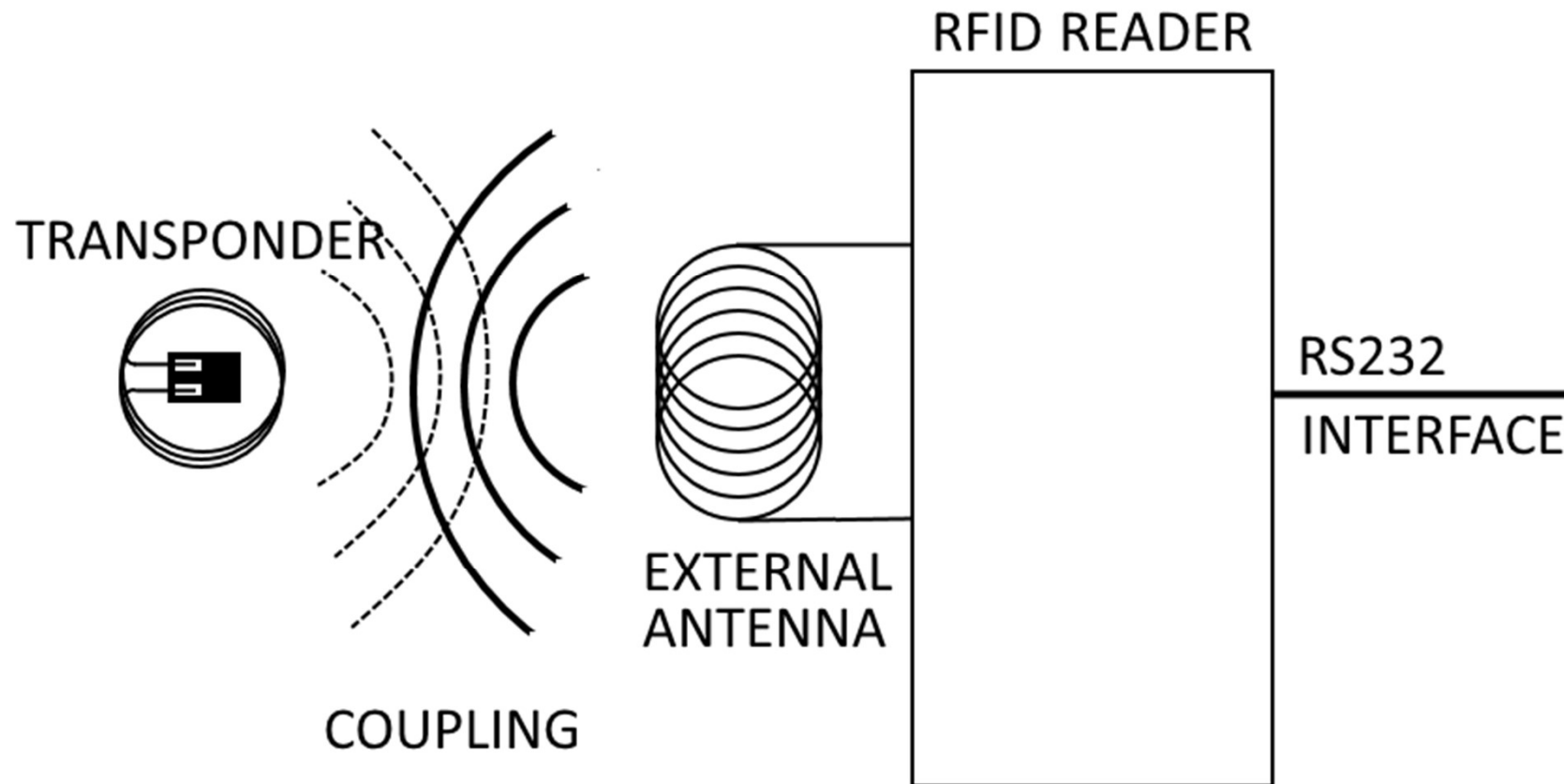




For reading a passive transponder, the RFID reader is generating an electromagnetic field. This happens, depending on the operation mode, permanently or when the reader is receiving a command. The electromagnetic field is powering the transponder which is modulating its UID on the excitation field. The reader receives the signal, demodulates the UID and transfers it via RS232.