Operational Description - RFID Reader

ARE i2 - 17X/RS232	V7IAREI2LF-4
ARE i2 - 23X/RS232/S	V7IAREI2LF-3
ARE K1 - RS232	V7IAREK1-1

RFID READER

TRANSPONDER

COUPLING

EXTERNAL ANTENNA

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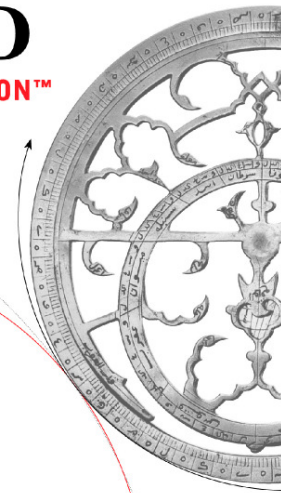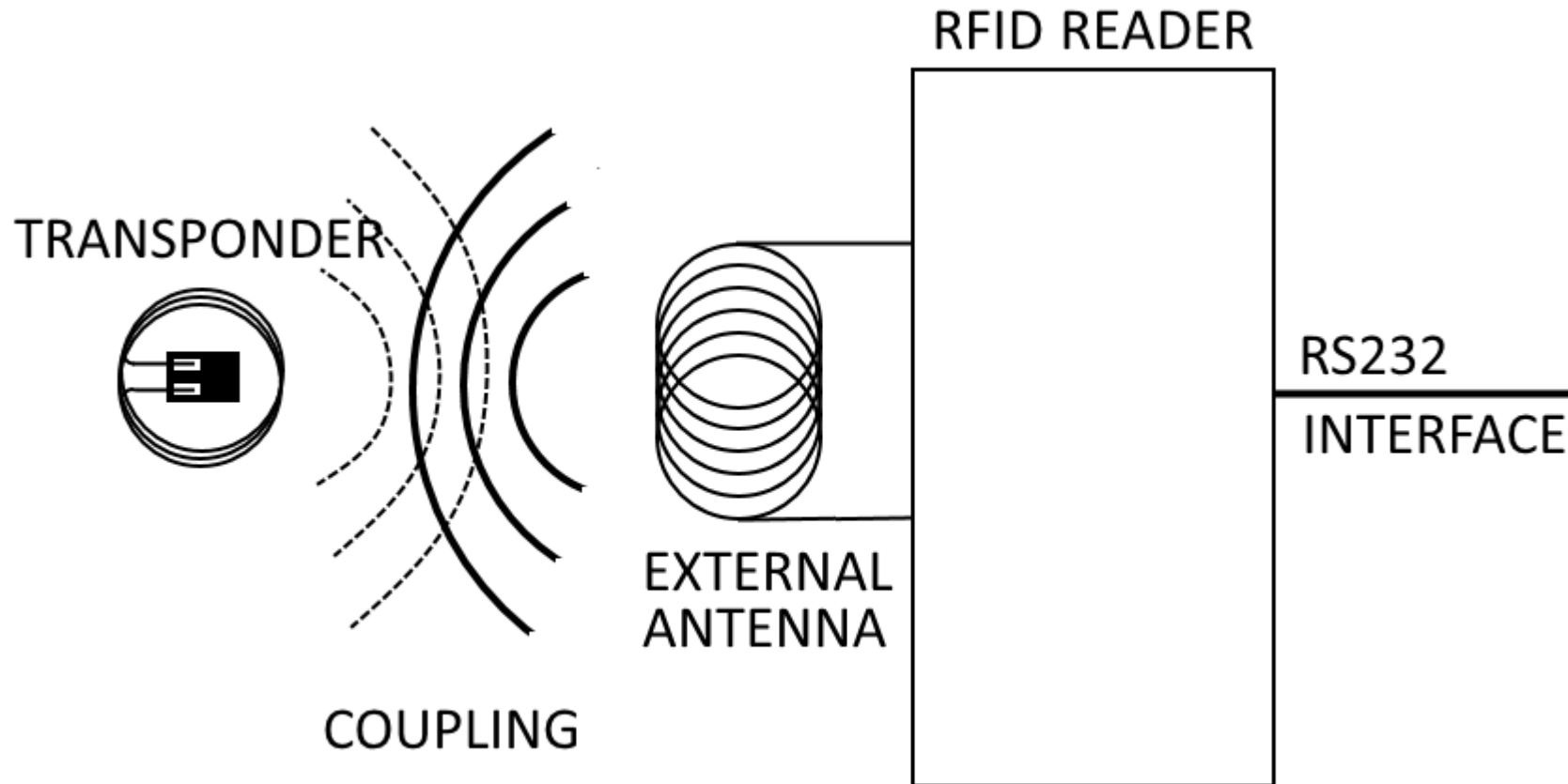
For reading a passive transponder, the RFID reader is generating an electromagnetic field. This happens, depending on the operation mode, permanently or when the reader is receiving a command. The electromagnetic field is powering the transponder which is modulating its UID on the exitation field. The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