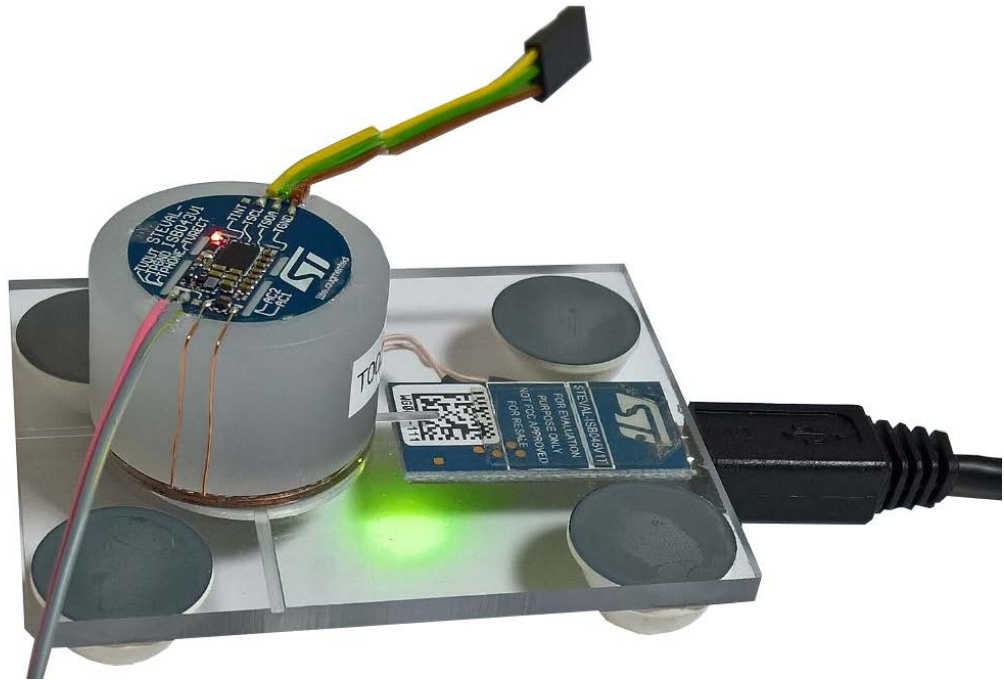
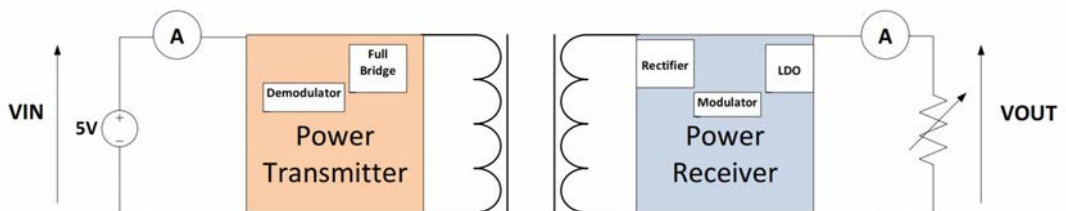


Figure 50. STEVAL-ISB045V1T test setup

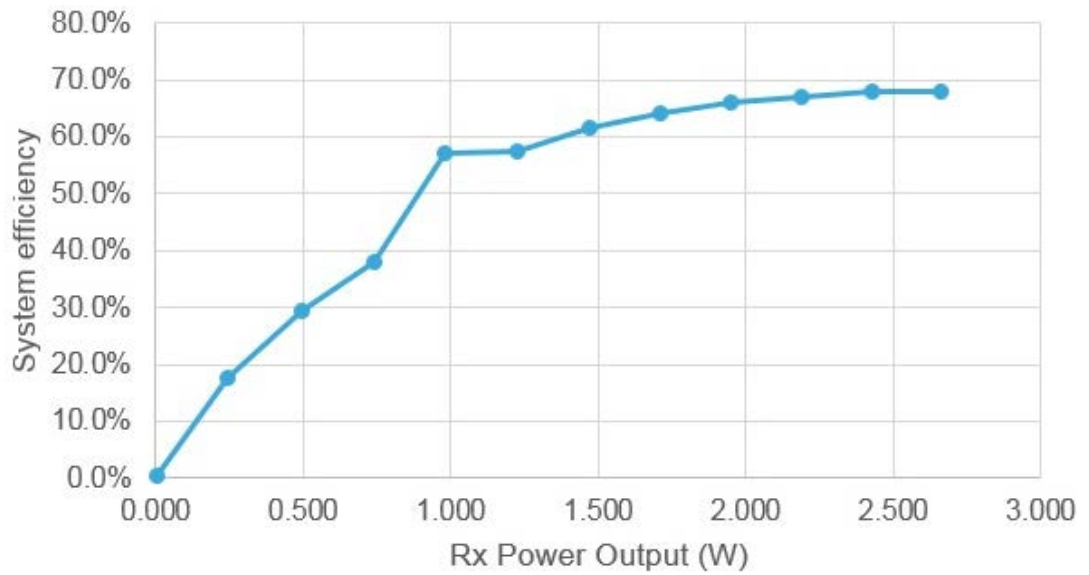


The STEVAL-ISB045V1T transmitter board is supplied by 5 V/1 A and the receiver voltage level is 5 V. P_{OUT} is the output power actually measured at the receiver output (not only at the rectifier output) and P_{IN} is the input power.

Figure 51. Efficiency setup



The figure below shows the typical performance of the kit coils (efficiency= P_{OUT}/P_{IN}).

Figure 52. STEVAL-ISB045V1 evaluation board: efficiency vs output power


5.4 Standby consumption

In standby, when the board is supplied at 5 V, very low power consumption is achieved.

In this mode, device detection is still ensured; power consumption is reduced down to 320 μ A average, thus a low standby power of only 1.6 mW.

Note: To measure this low power consumption, the UART cable must be unplugged.