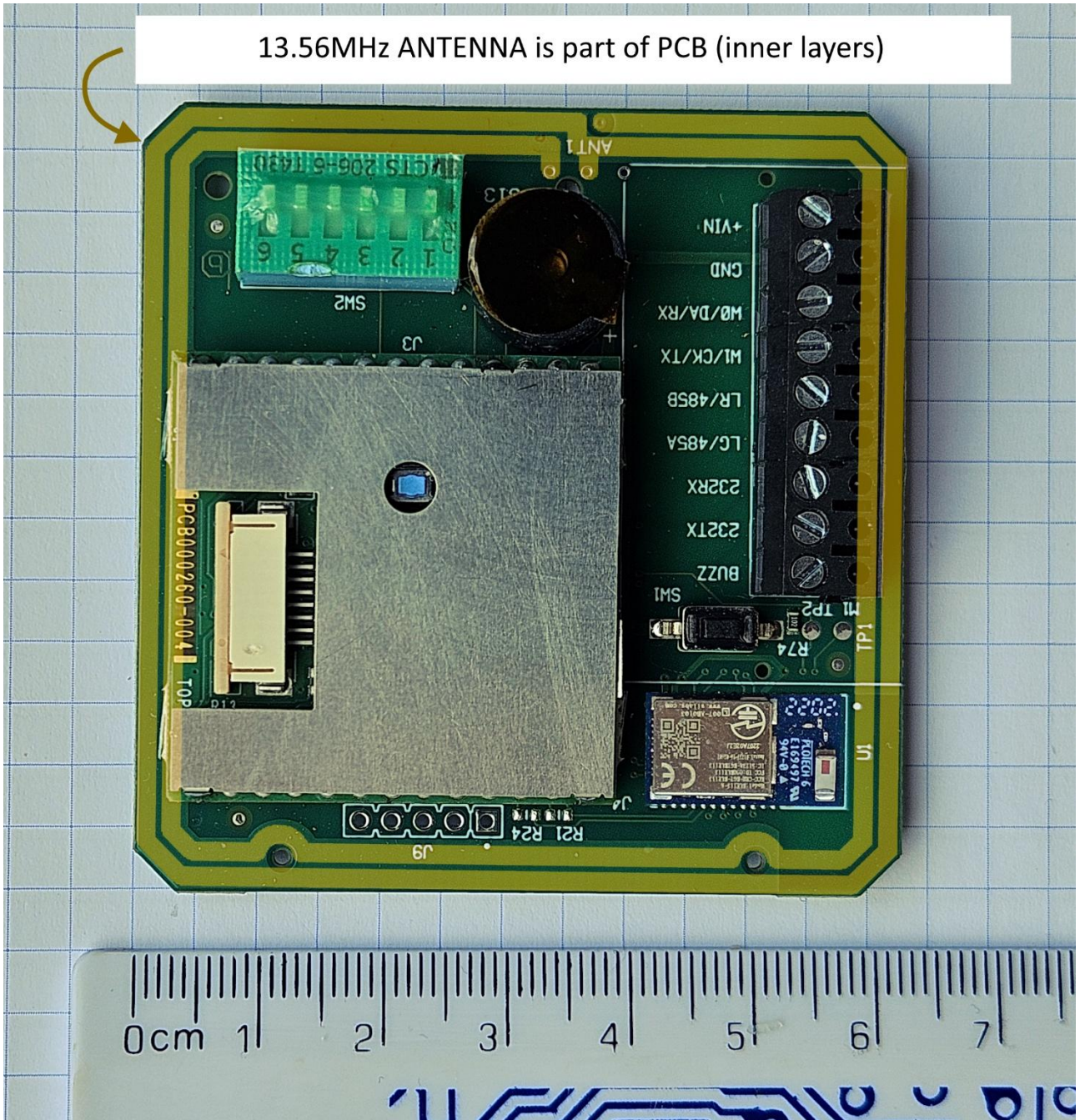
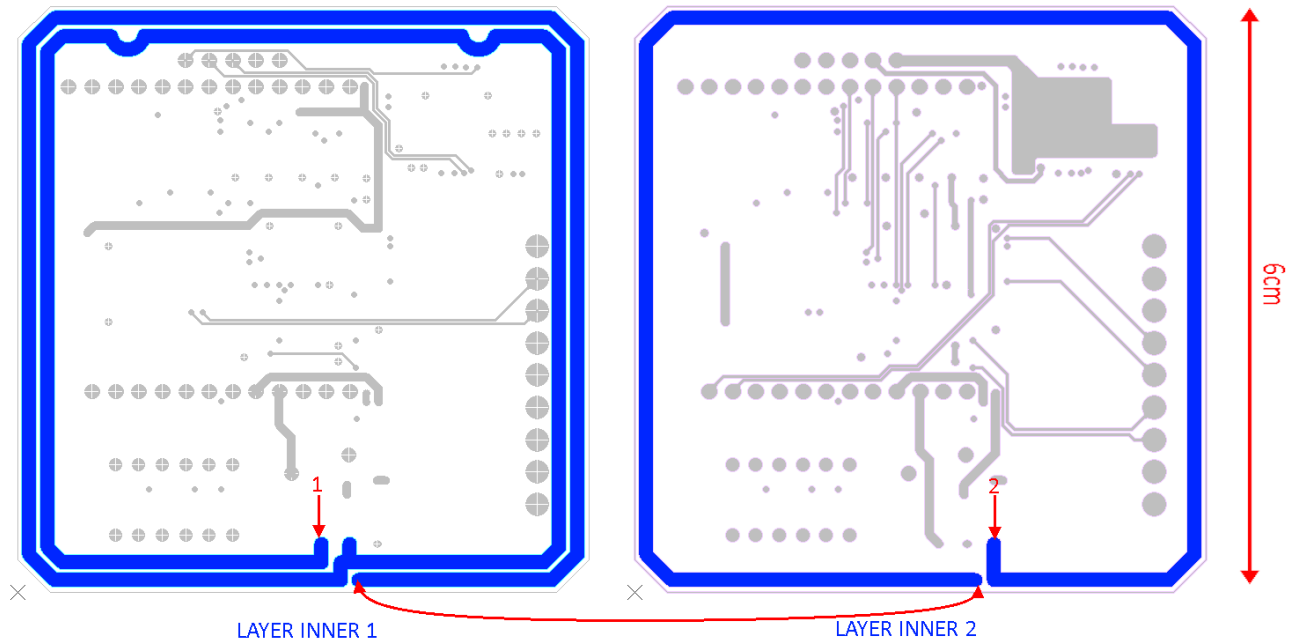


13.56MHz ANTENNA is part of PCB (inner layers)

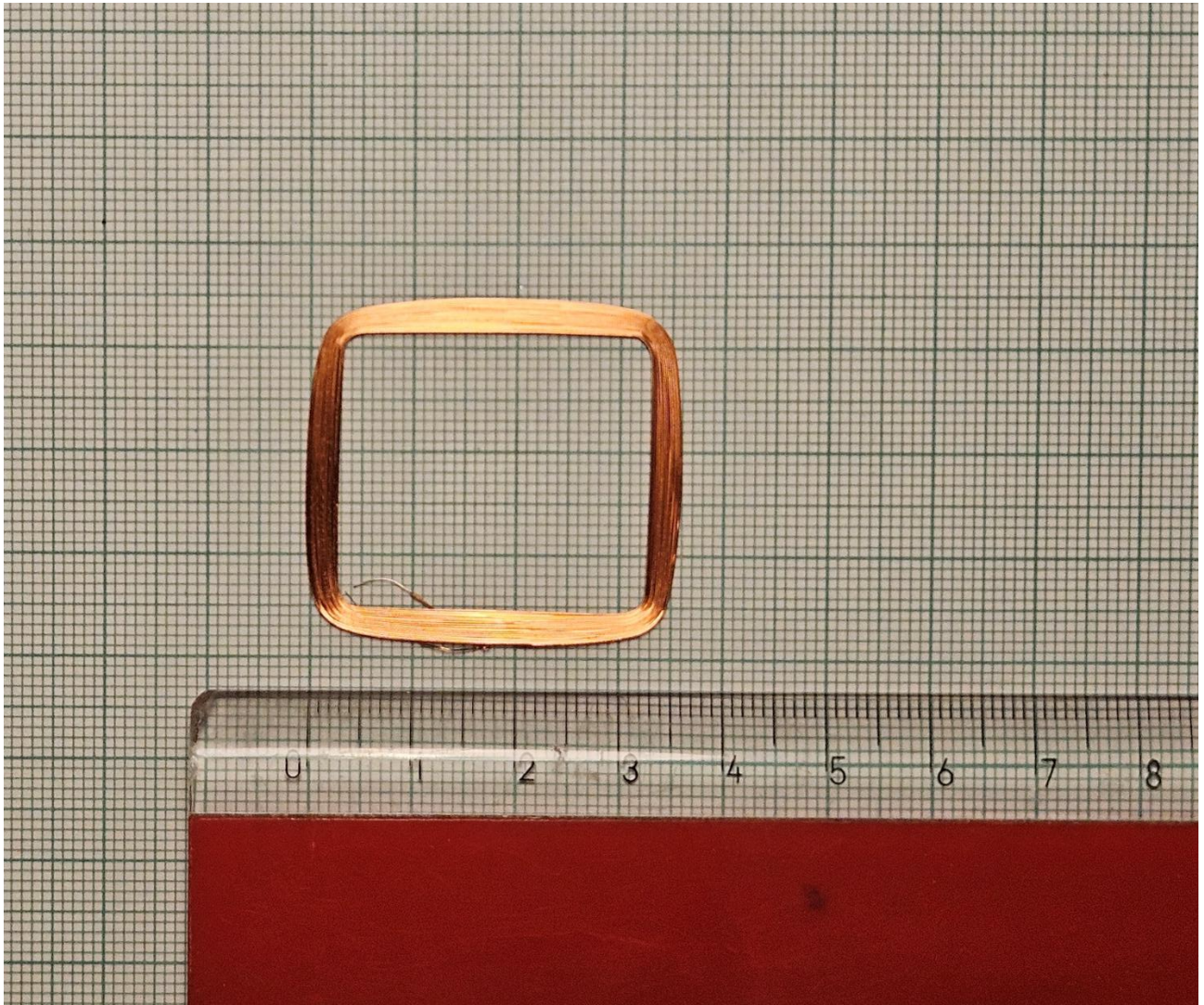


13.56 MHz antenna

The 13.56 MHz antenna is made by 3 turns in the inner layers of the PCB as shown in the following pictures:

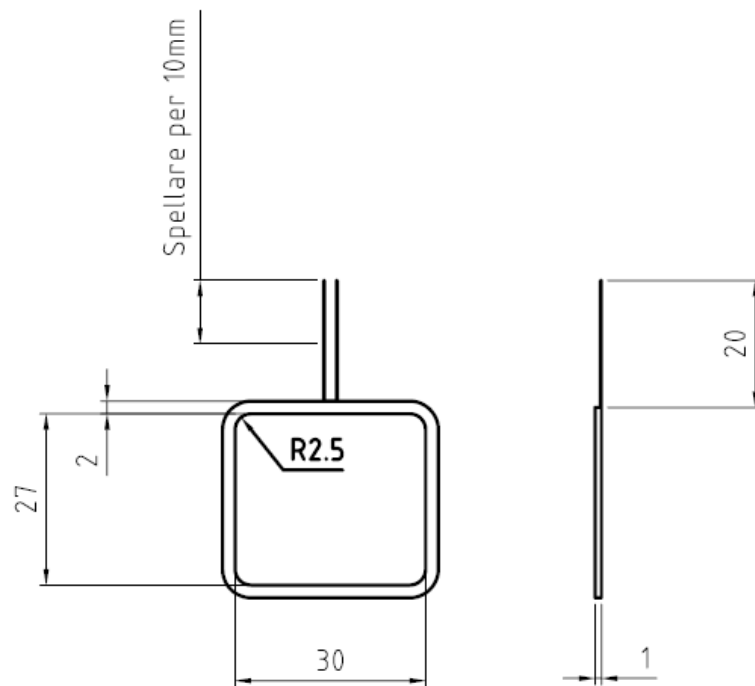


The coil is $\sim 1 \mu\text{H}$ so the resonance is obtained with a capacitive load of $110 \text{ pF NP0} + 33 \text{ pF NP0}$.



125 kHz antenna

The 125 kHz antenna is made with a rectangular (27x30 mm) winding of 73 turns, diameter 0.15 mm:



Filo spessore 0.15mm
N° Spire = 73
Unita' = mm

The coil is 350 μH so the resonance is obtained with a capacitive load of 4.7 nF NP0.