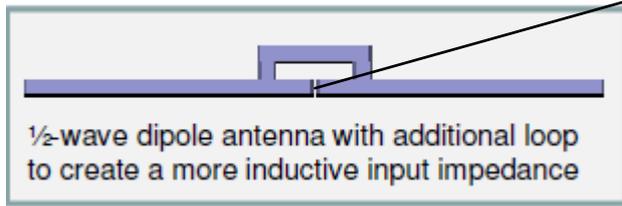


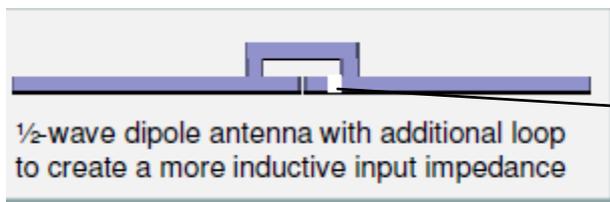
PASSIVE UHF RFID ANTENNA TAG(868MHZ):



Here rfid chip impedance of rfid chip is  $25+110j$

Fig 1 antenna without sensor

I designed this antenna(fig1), but i have to design this antenna with resistive sensor in one of the dipole element. I have to compare required power to read both the antennas in a same tag, according to power difference we can measure physical quantities(like temperature, humidity e.t.c).



Here i have to place a resistive sensor (like temperature and humidity sensors) to measure physical quantities according to required power to read both antennas on same tag.

Fig 2 antenna with sensor

Antenna design specifications total length 170mm(each side half of the length) and width 8mm .