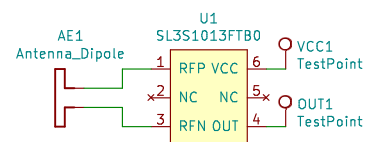


Top layer design of UHF RFID tag antenna on FR-4 0.8mm thick substrate.
Antenna matched to NXP UCODE G2iM+ chip -> $Z_c = 24 - j222 \text{ Ohm}$
Specs:

Frequency: 902.9 – 927.2 MHz

Polarization: Linear

Gain: $\pm 1.2 \text{ dBi}$



Copyright (C) 2021 Ricardo Goncalves <ricmr.goncalves@gmail.com>

This source describes Open Hardware and is licensed under the CERN-OHL-S v2. You may redistribute and modify this source and make products using it under the terms of the CERN-OHL-S v2 (<https://ohwr.org/cernohlsv2.txt>).

This source is distributed WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING OF MERCHANTABILITY, SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE.

Please see the CERN-OHL-S v2 for applicable conditions.



Ricardo Goncalves

Sheet: /

File: RFID_tag.sch

Title: UHF RFID tag – FCC band

Size: A4

Date:

KiCad E.D.A. kicad 5.1.9-73d0e3b20d88ubuntu20.04.1

Rev: 1.0

Id: 1/1