

Subject: Antenna spec

Devices: RFID Module 2144100082

Date: 09.02.2023

Antenna specification:

- Type: Loop antenna in PCB
- Turns: 5
- Size:

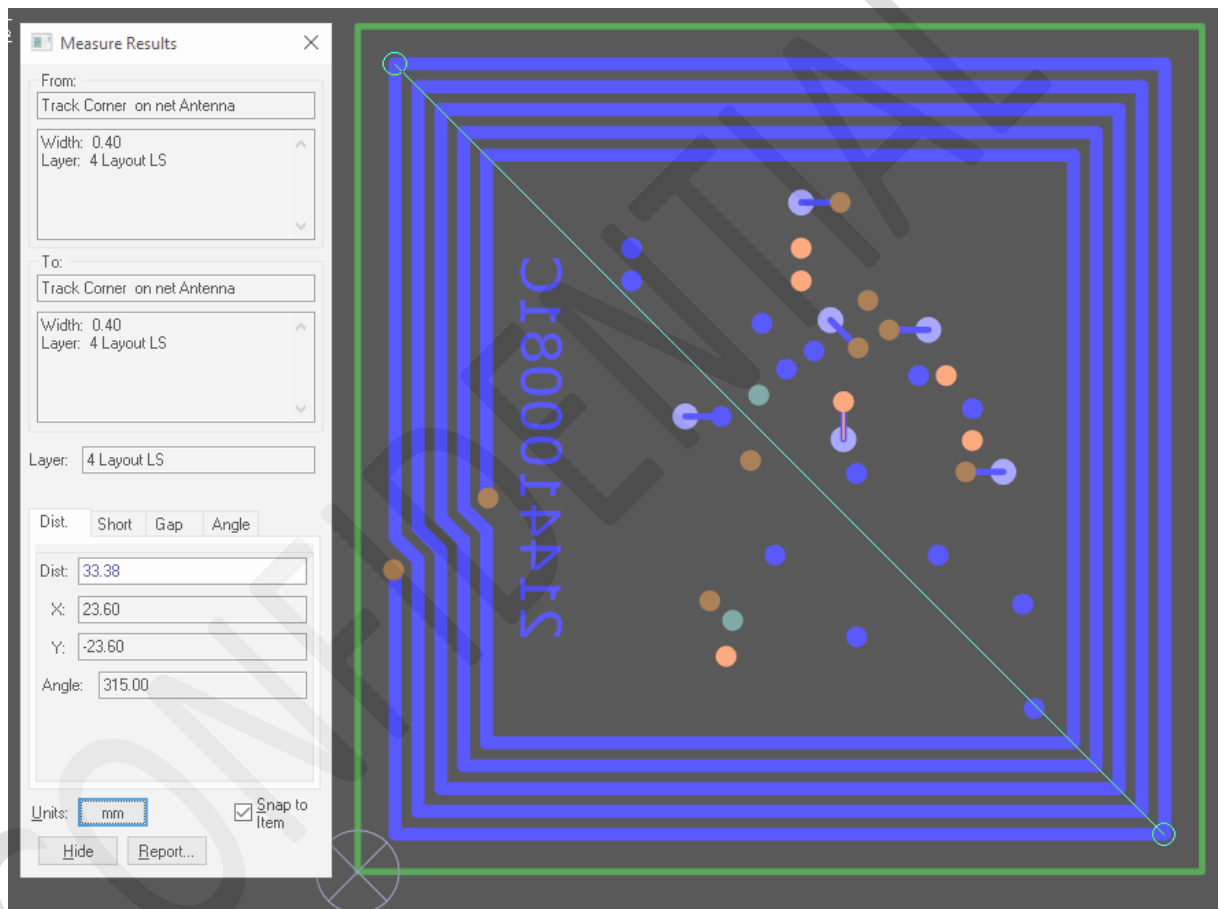


Figure 1: Loop antenna in PCB

The tested radio equipment was qualified acc. the following conditions:

Test item description		
Frequency Separation		NA
Number of Channels		1
Test Frequencies:		
	Transmitter	13.56 MHz
	Receiver	13.56 MHz
Transmitter:	Rated Output Power (Prat)	400 mW
	Duty Cycle	100 %
Modulation:	Type	Modulation ASK
	Operation w/o modulation	no
Antenna:	Type	PCB coil (integral)
	Number of Antenna (Ports)	1
	Gain	Unknown
	Loop size	5 Loops 23,6 x 23,6mm
	Product Class	1
Power Src.:	Battery type (if applicable)	N/A
	Nominal Voltage	3.3 V DC

Table 1: Overview of EUT radio parameters

Note: Antenna Gain information is not required. Only radiated measurements are used to show compliance with FCC limits for fundamental and spurious emissions.

Subject: Antenna location

Devices: RFID Module 2144100082

Date: 06.12.2022

The RFID antenna is located in the bottom layer of the PCB. It is shown as a blue line in Figure 1:

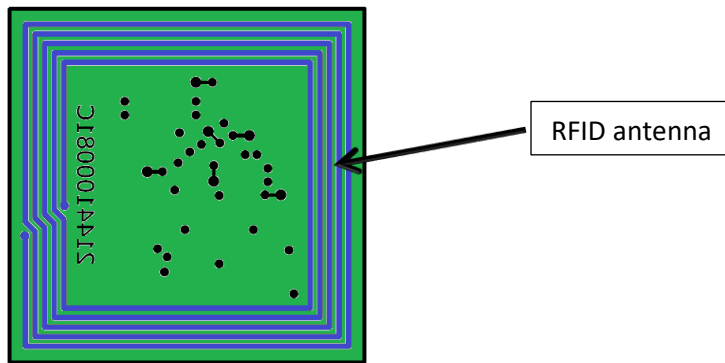


Figure 1: RFID antenna in bottom layer of PCB