

Fairgame Antenna Specification

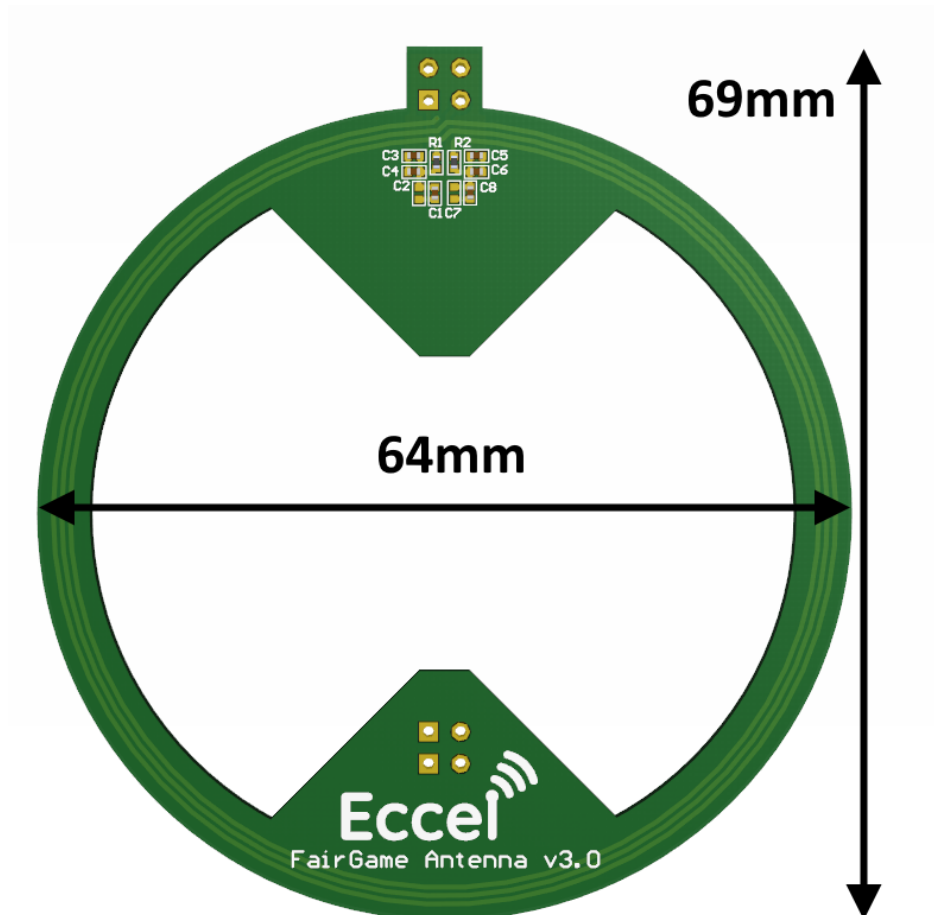
V1.0

2026-05-05



Standard specifications:

Operating Temperature Range	-40°C to + 85°C
Storage Temperature Range	-40°C to + 85°C
Operating frequency [MHz]	13.56
Dimensions	64mm diameter
Cable length	None – Antenna is directly soldered





(Top view, antenna location on the main PCB board)

Description

Antenna type	PCB track loop
Manufacturer	Eccel Technology Limited
Gain	N/A
Frequency of operation	13.553 - 13.567MHz 13.56MHz center frequency
Type of modulation	100% ASK
Channels, Bandwidth, Spacing	N/A

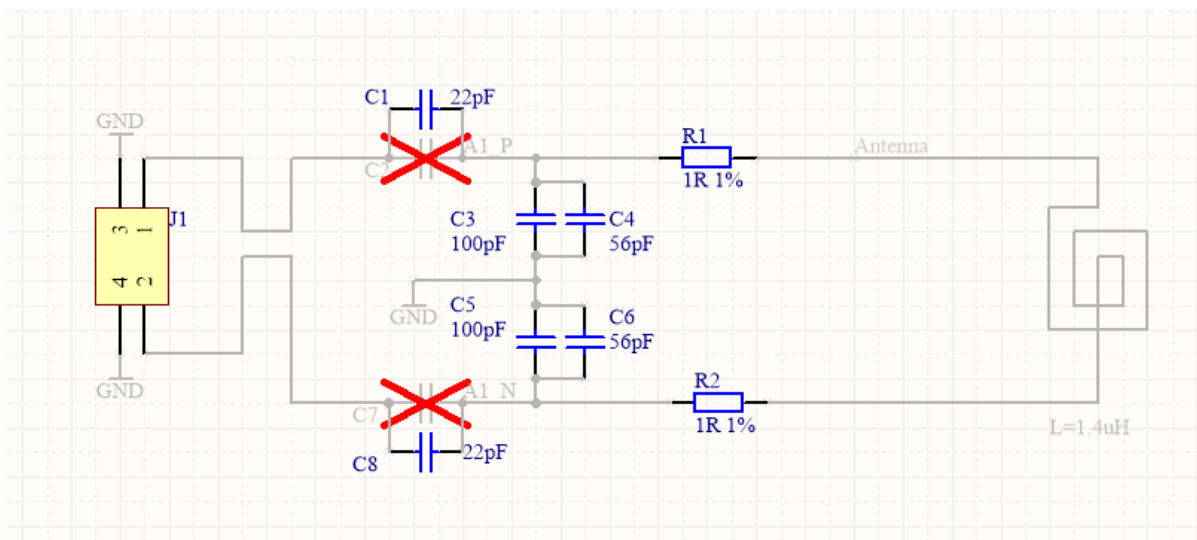
The antenna is made from copper track on FR4 material.

The antenna parameters ensure compliance with standards by matching the coil inductance.

The RFID antenna was designed by Eccel Technology Limited. The antenna is permanently soldered to the main electronics board and it's made from the PCB tracks.

This communication feature is implemented by magnetic induction in a very near field environment.

We declare that all measurements were performed radiated and therefore additional antenna gain documentation is not required.



Return Loss, SWR, Smith Chart

