

# Shearwell EID Tag Reader

## SDL450 – Antenna Information

| Version | Author      | Date       | Notes         |
|---------|-------------|------------|---------------|
| 1.0     | Madi Cooper | 22/08/2025 | First Version |

### Introduction

The following document details the antenna type used for the SDL450.

### SDL450 Antenna Information

The antenna comprises of a ferrite rod with a copper winding; it has a unique connection to the equipment. The antenna specifications are as follows:

- Antenna Length: 100mm
- Type of Ferrite: ROD8/150-4B1
- Number of Coil Turns: 31
- Coil Diameter: 16mm
- Wire: 175/0.04mm Silk covered litz wire
- Approximate RMS current is 0.67A.