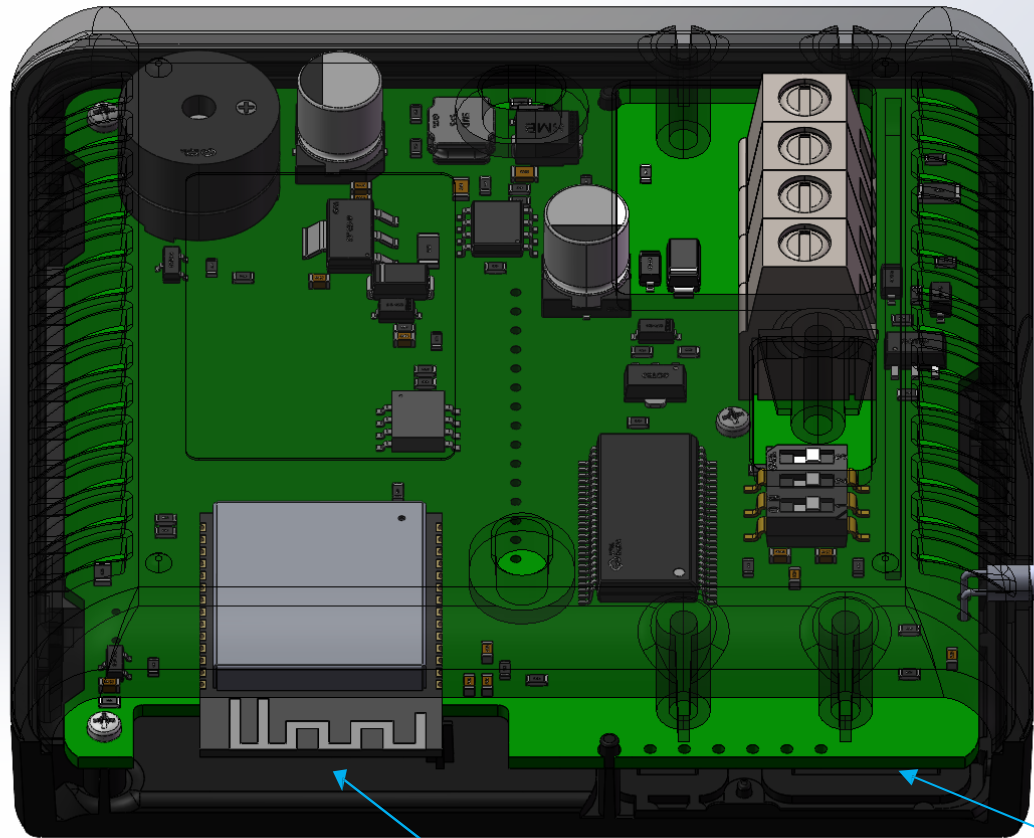


ASA ELECTRONICS. ACTH25:

Antenna Specification

Version	Date	Description	Report
1	12-25-2025	Description of BLE Antenna Configuration	RongXin.Hong

ACTH25: External View

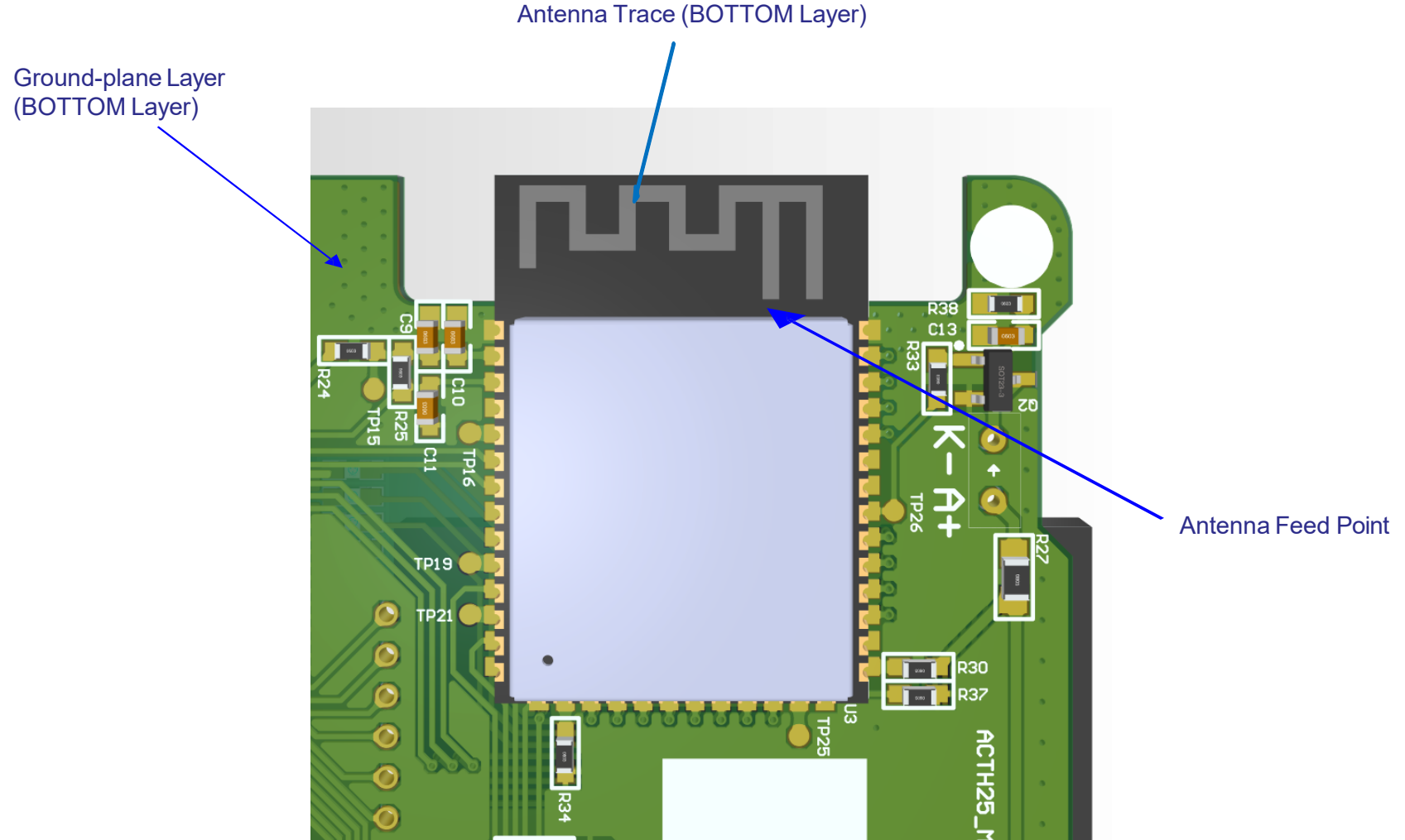


1. Antenna IFA type

2. Device cross-section
cut away

- PCB trace antenna [1] shown in cross-section [2]

ACTH25 : Internal View of Antenna



- PCB has 2 copper layers with total thickness of 1.2mm

Summary of Antenna Properties

- Antenna Type: Meandered Inverted-F Antenna (IFA) trace on PCB
- Manufacturer's Name: Espressif Systems (Shanghai) Co., Ltd.
- Manufacturer's Address: 1-7th Floor, Building 3, 235 Yubei Road, Pudong New Area, Shanghai
- Peak Antenna Gain: 1.5dBi
- Frequency Range: 2.402GHz – 2.480GHz [BLE band]
- Antenna Dimensions: ref. previous slide [3]: PCB trace area 5.6mm X 14.8mm