

	Technical Documentation
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PRD_7150300B : Description of the antennas	
FCC ID	2AKUFSSTA-V3

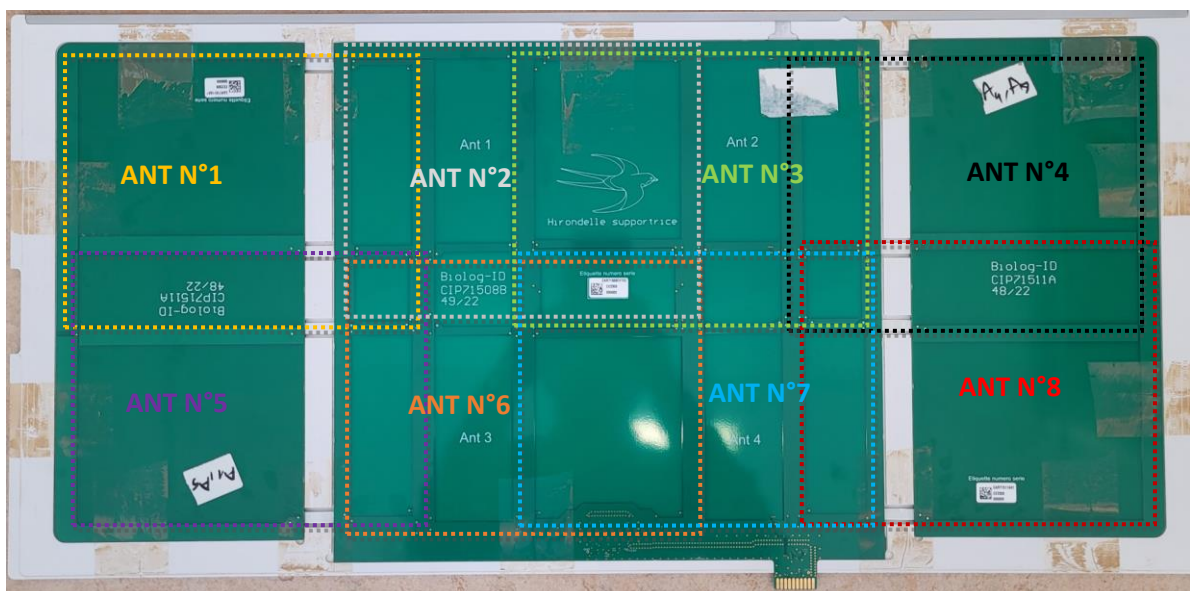
Publication History

Version	Date	Modification description
01	June 20, 2025	Creation of the document

Technical Documentation

Description of the antennas

Each satellite of the PRD_7150300B consists of 8 similar rectangular magnetic loop antennas, arranged as shown in the figure below.



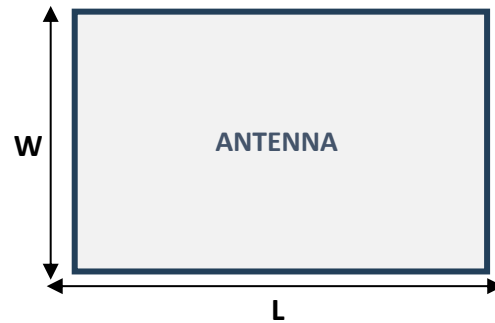
Central bard and Lateral bards : CAR_71508E or CAR_71508F and CAR_71511A

Satellite

Technical Documentation

Description of the antennas

- **Antenna description**



- **Antenna dimensions:**
 - $L \approx 220 \text{ mm}$
 - $W \approx 170 \text{ mm}$
- **Antenna parameters:**
 - Antenna type: **Rectangular Magnetic Loop**
 - Operating frequency: **13.56 MHz**
 - Input Power: **200 mW**
 - Operation field region: **Reactive near field region**
 - Antenna Gain: **NA**
 - Antenna radiation pattern: **NA**