

# Antenna Specification

## APPROVAL SHEET

mane RF antenna

model ANT433M

RF 433M

|           |  |        |  |           |          |
|-----------|--|--------|--|-----------|----------|
| customers |  | audits |  | formulate | chen lin |
|-----------|--|--------|--|-----------|----------|

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

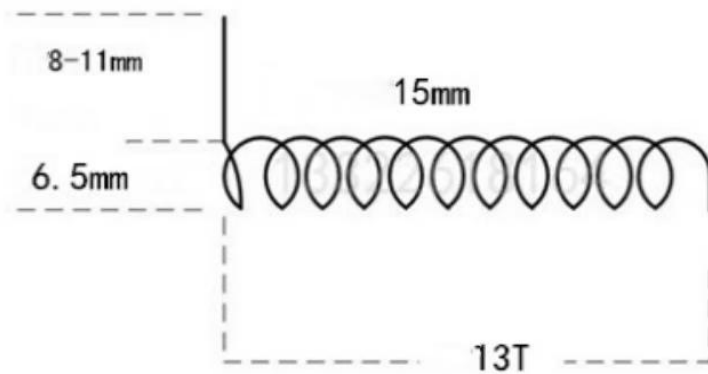
## Product shape and structure

|         |            |       |         |        |           |
|---------|------------|-------|---------|--------|-----------|
| Product | RF antenna | model | ANT433M | weight | About0.7g |
|---------|------------|-------|---------|--------|-----------|

### 一、Exterior Pictures



### 二、structural drawing:



SAISHUO 赛硕

# Product, Electrical Specification Sheet

|                            |                                                                                                                                                                                                                                                                                                                                                                   |       |         |       |       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|-------|-------|
| Product                    | RF antenna                                                                                                                                                                                                                                                                                                                                                        | model | ANT433M | color | black |
| specification              | The antenna, when straightened, is approximately 24cm in length, with a coil diameter of about 6.5mm. One end has a tin-stripped section of 3.5mm, and the tail has a soldering length reserved of about 8-11mm. The copper wire has a diameter of 0.5mm and an outer diameter of 1.07mm, which can generally be used on both receiving and transmitting modules. |       |         |       |       |
| RF range                   | 433MHZ                                                                                                                                                                                                                                                                                                                                                            |       |         |       |       |
| Stangding wave radio       | < 1 . 8                                                                                                                                                                                                                                                                                                                                                           |       |         |       |       |
| Antenna Gain               | 3 dbi                                                                                                                                                                                                                                                                                                                                                             |       |         |       |       |
| Input impedance            | 50 (OHM)                                                                                                                                                                                                                                                                                                                                                          |       |         |       |       |
| interface type             | Directly soldered onto the PCB                                                                                                                                                                                                                                                                                                                                    |       |         |       |       |
| test content               | Experimental Results and Performance                                                                                                                                                                                                                                                                                                                              |       |         |       |       |
| Rated Operating Voltage    | DC3.3-5V                                                                                                                                                                                                                                                                                                                                                          |       |         |       |       |
| Temperature Operating Test | - 10℃ ~ +45℃                                                                                                                                                                                                                                                                                                                                                      |       |         |       |       |
| Thermal Stress Test        | < -30℃ 或 > +60℃                                                                                                                                                                                                                                                                                                                                                   |       |         |       |       |
| Drop Test                  | A single unit dropped from a height of 70cm onto a wooden floor surface, with functionality remaining intact.                                                                                                                                                                                                                                                     |       |         |       |       |
| Reception Range            | 100-4000 meters, typically 100-2500 meters                                                                                                                                                                                                                                                                                                                        |       |         |       |       |
| Vibration Test             | Following exposure to various levels of vibration, the functionality remains operational.                                                                                                                                                                                                                                                                         |       |         |       |       |
| insulation test            | >50 M Ω                                                                                                                                                                                                                                                                                                                                                           |       |         |       |       |
| External Dimensions        | 24*6.5*15mm                                                                                                                                                                                                                                                                                                                                                       |       |         |       |       |
| material                   | copper                                                                                                                                                                                                                                                                                                                                                            |       |         |       |       |
| Compatibility Test         | Generally suitable for 433MHz and 2.4GHz, etc.                                                                                                                                                                                                                                                                                                                    |       |         |       |       |