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## Bluetooth antenna of PCB on-board specification

V1.0

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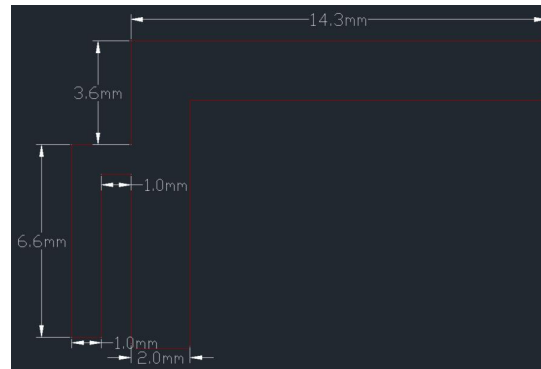
Document Type: PCB Antenna  
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Manufacturer: HJSIP

## 2、Specification

**Product Number: PCB Antenna**

**Sample Photo:**



### A. Electrical Characteristics

|              |                     |
|--------------|---------------------|
| Frequency    | 2400 ~ 2500 MHz     |
| S.W.R.       | $\leq 1.8$          |
| Gain         | Max $\leq 1.87$ dBi |
| Efficiency   | ~ 45%               |
| Polarization | Linear              |
| Impedance    | 50 Ohm              |

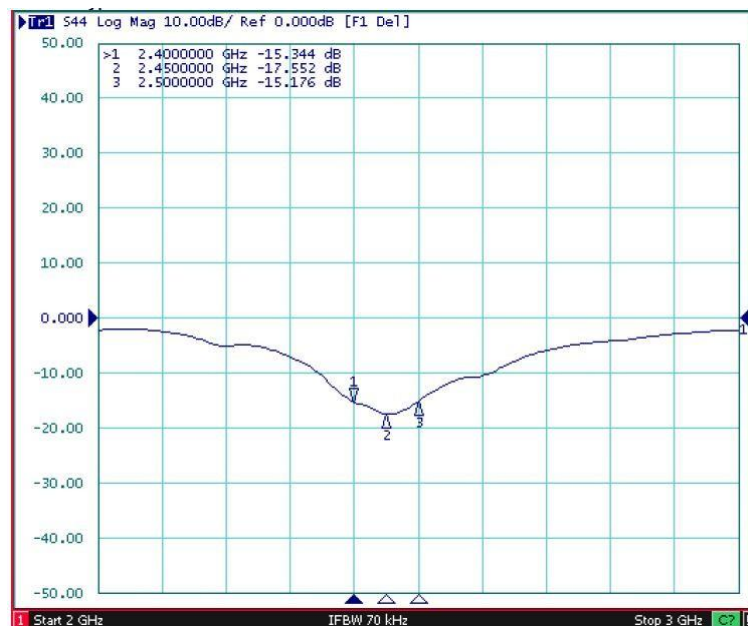
### B. Material & Mechanical Characteristics

|                      |               |
|----------------------|---------------|
| Material of Radiator | plated copper |
|----------------------|---------------|

### C. Environmental

|                       |                  |
|-----------------------|------------------|
| Operation Temperature | - 40°C ~ + 85°C  |
| Storage Temperature   | - 40°C ~ + 105°C |

## 3、Return Loss



## 4、Radiation Patter

Radiation Pattern and Gain were dependent on measurement board design. The specification of coil antenna was measured based on the PCB size and installation position as shown in the below figure Test Board.

