

Shenzhen HeTuo science Co., Ltd.

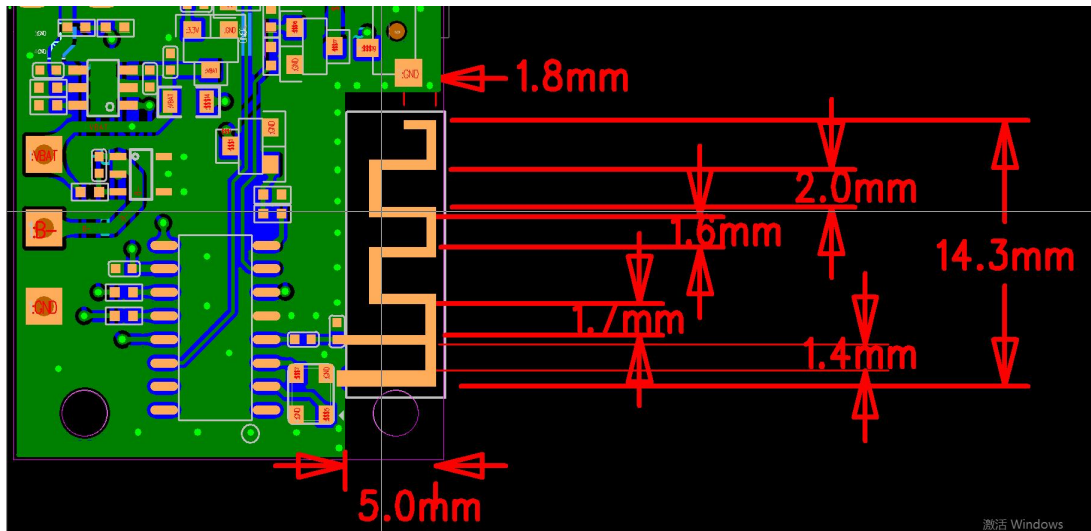
## Clear Vision Antenna Test Report

|                     |                       |  |  |
|---------------------|-----------------------|--|--|
| Customer            | Clear Vision          |  |  |
| Project             | Personal Safety Alarm |  |  |
| Antenna Revision    | A1                    |  |  |
| Product Description | on-board              |  |  |
| Product No          | CBS01                 |  |  |
| DATE                | 2026/10/15            |  |  |

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## Product Overview & Dimension

Front



## Purpose

This report is to measure the performance of BT antenna for CBS01. The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

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## Content

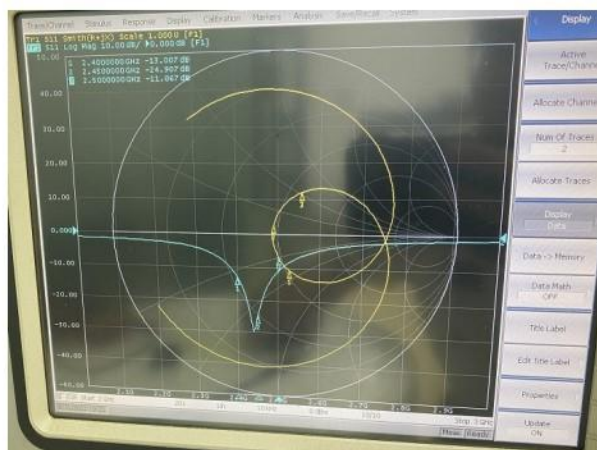
1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
  - 4.1 S11 Parameter
  - 4.2 Test coordinate
  - 4.3 2D Pattern
  - 4.4 OTA Data
  - 4.5 BT Boot measured
5. Antenna Assembly & environmental processing

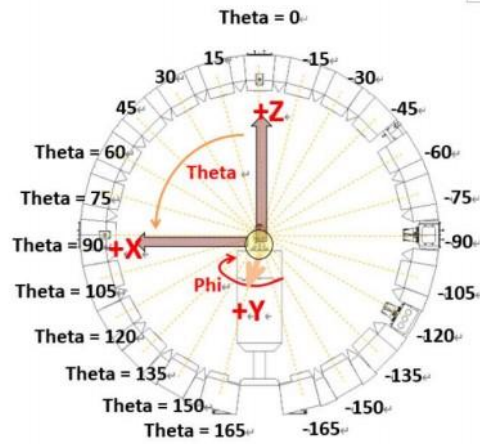
## 2. Test System

| Sequence Number   | Test Item         | equipment                     |
|-------------------|-------------------|-------------------------------|
| S parameter       | VSWR              | Agilent 5071C & Agilent 5062A |
| OTA Test          | TRP&TIS           | CMW500 & CMW270<br>ETS&SATIMO |
| Gain & Efficiency | Gain & Efficiency | ETS&SATIMO<br>Agilent 5071C   |



无源S11—(BT ANT)



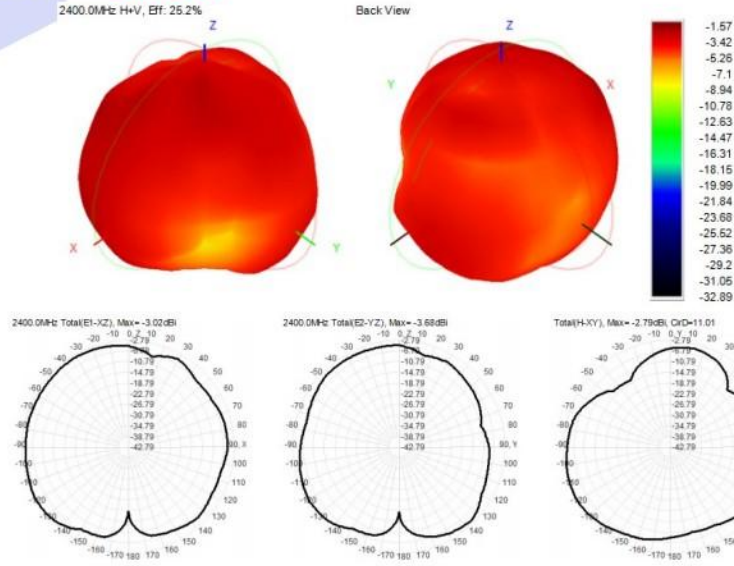
**Test Result****Sample status & coordinates****Test Result***Gain & Efficiency*—**BT- ANT**

| Frequency (MHz) | Efficiency (%) | Peak GAIN (dBi) |
|-----------------|----------------|-----------------|
| 2400            | 25.25          | -1.57           |
| 2410            | 26.57          | -1.06           |
| 2420            | 26.52          | -1.09           |
| 2430            | 29.04          | -0.67           |
| 2440            | 29.29          | -0.66           |
| 2450            | 29.57          | -0.57           |
| 2460            | 29.96          | -0.42           |
| 2470            | 30.62          | -0.63           |
| 2480            | 29.30          | -0.83           |
| 2490            | 28.31          | -0.83           |
| 2500            | 28.01          | -0.64           |

## Test Result

2D&3D — BT- ANT

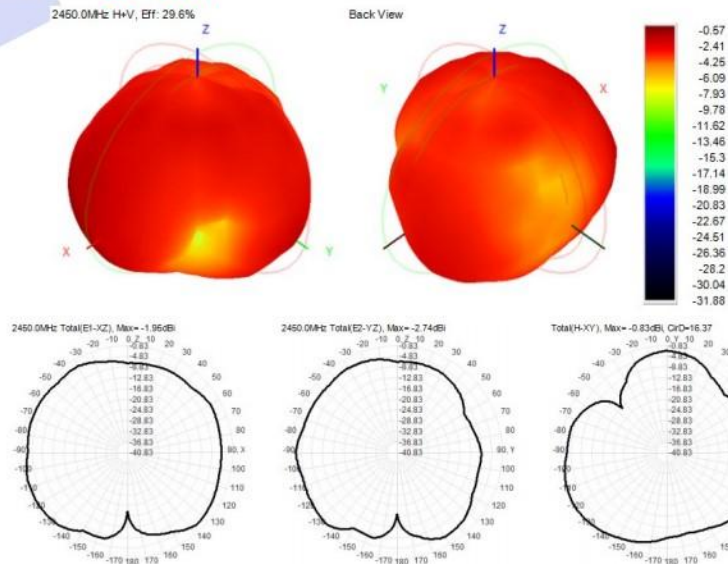
2400.0MHz H+V, Eff: 25.2%



## Test Result

2D&3D — BT- ANT

2450.0MHz H+V, Eff: 29.6%

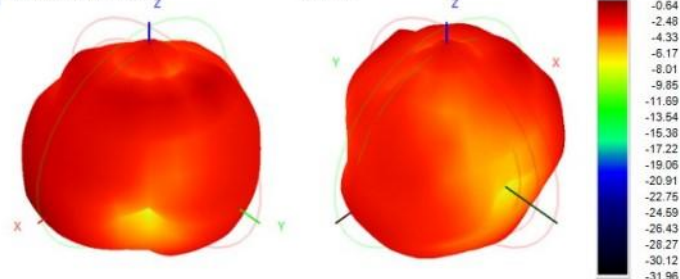


## Test Result

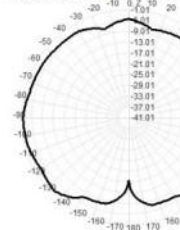
2D&3D BT-ANT

2500.0MHz H+V, Eff: 28.0%

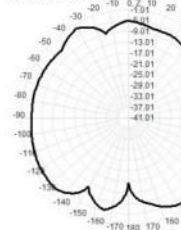
Back View



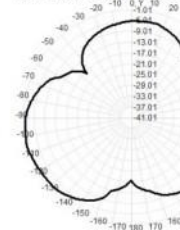
2500.0MHz Total(E1-XZ), Max=-1.90dB



2500.0MHz Total(E2-YZ), Max=-2.85dB

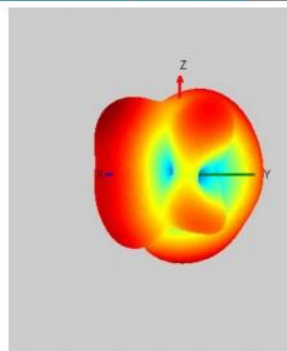


Total(H+V), Max=-1.01dB, CirD=16.85



## OTA DATA(--自由空间

|                 |                   |         |          |          |
|-----------------|-------------------|---------|----------|----------|
| Test Equipment: | R&S CMW500        |         |          |          |
| Test Condition: | 3D chamber        |         |          |          |
| Band            | Wireless Protocol | Channel | TRP(dBm) | TIS(dBm) |
| BT              |                   | 0       | -1.20    | -81.76   |
|                 |                   | 39      | -0.83    | -81.35   |
|                 |                   | 78      | -0.36    | -81.09   |



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***Thanks for your comment!***

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