

## ANTENNA TEST REPORT

FOR

**Product Name:** YFBT01

**Model Name:** YFBT01

**Part Number:** N/A

**Brand Name:** YoFree

**Report No.:** EF/2007/90003

**Issue Date:** Sep. 11, 2007

**Prepared for:** YoFree Technology Co.,LTD

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R.O.C

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**Test By:** (original signature)

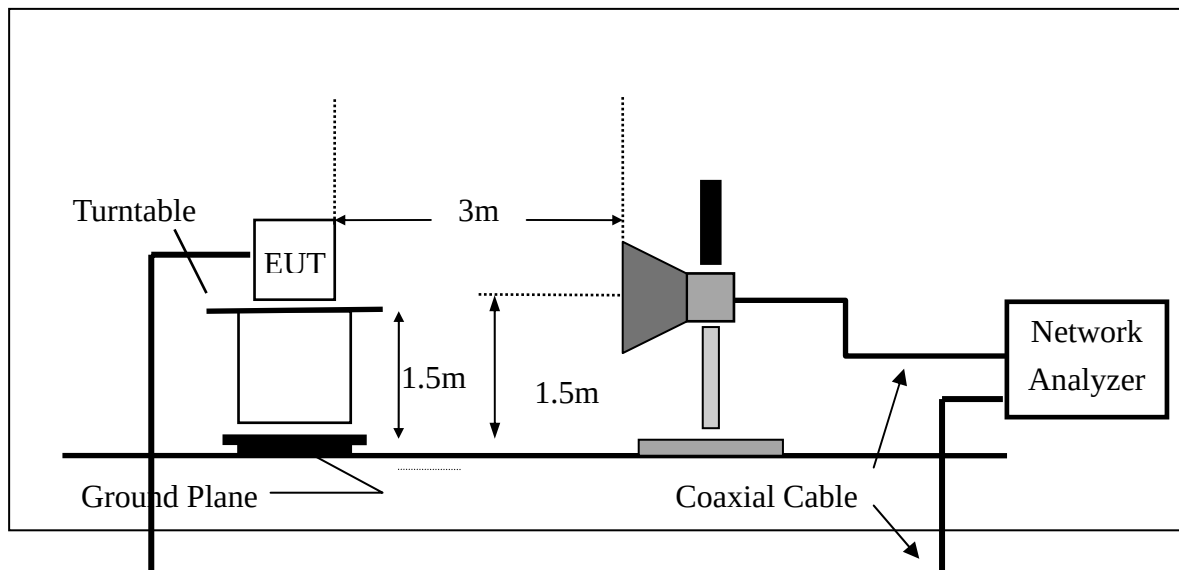
**Date**

Sep. 11, 2007

**Bangde Liu/Engineer**

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# 1. Test SET-UP (Block Diagram of Configuration)



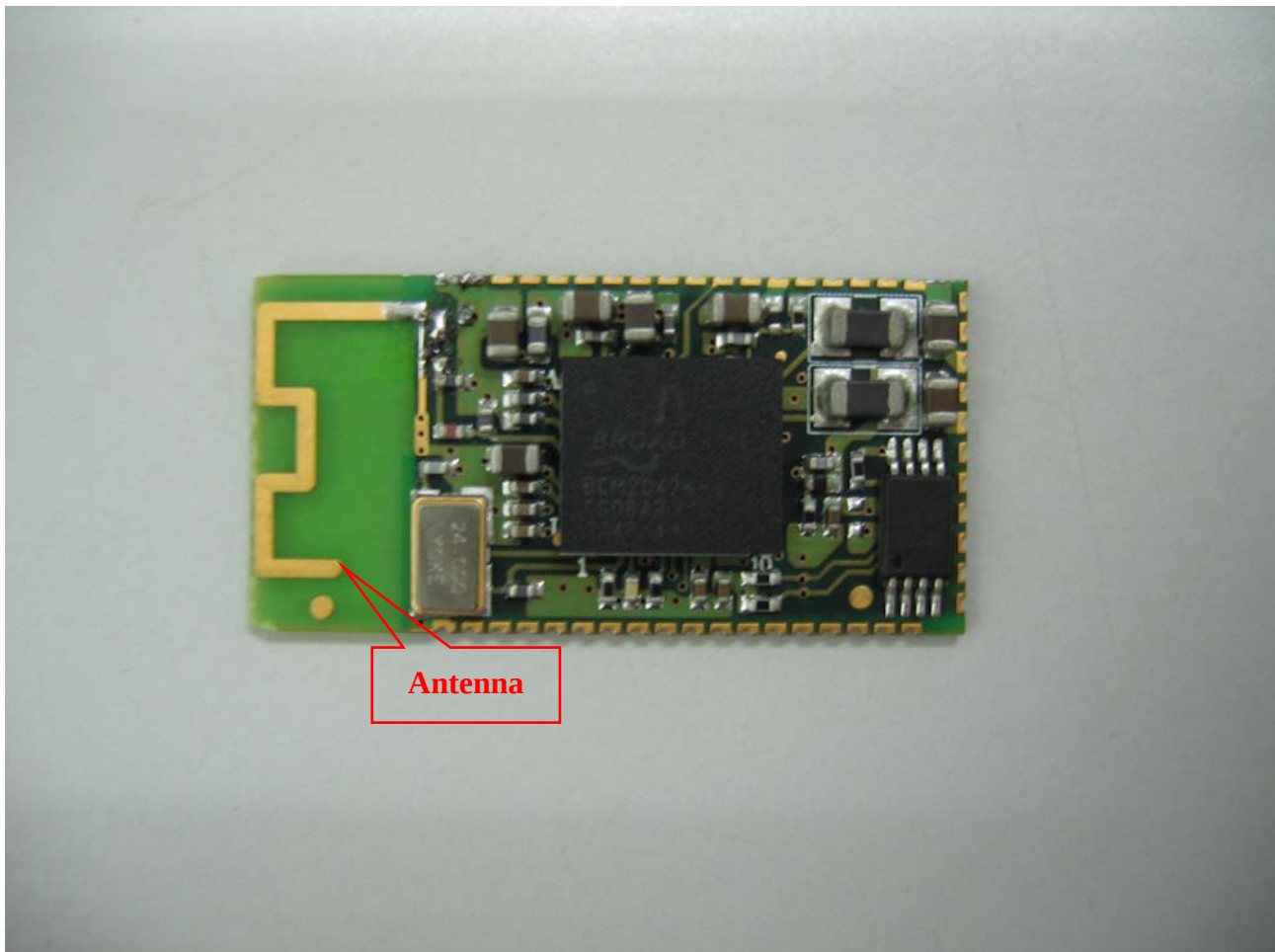
**Measurement Equipment Used:**

| EQUIPMENT TYPE   | MFR         | MODEL NUMBER  | SERIAL NUMBER | LAST CAL.  | CAL DUE.   | Cal. Lab. | Note                                                          |
|------------------|-------------|---------------|---------------|------------|------------|-----------|---------------------------------------------------------------|
| Horn antenna     | Schwarzbeck | BBHA 9120D    | 309/320       | 12/01/2005 | 12/01/2006 | ETC       | Calibration based on the article 24-2-4-2-Ha of the radio law |
| Network Analyzer | Aglient     | 8714ET        | US41442815    | 11/01/2005 | 11/01/2006 | ETC       |                                                               |
| Turn Table       | HD          | DT420         | N/A           | N.C.R      | N.C.R      | N/A       |                                                               |
| Antenna Tower    | HD          | MA240-N       | 240/657       | N.C.R      | N.C.R      | N/A       |                                                               |
| Controller       | HD          | HD100         | N/A           | N.C.R      | N.C.R      | N/A       |                                                               |
| 1166 chamber     | TDK         | Fully chamber | S0006150      | N.C.R      | N.C.R      | N/A       |                                                               |

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## Geometry of structure

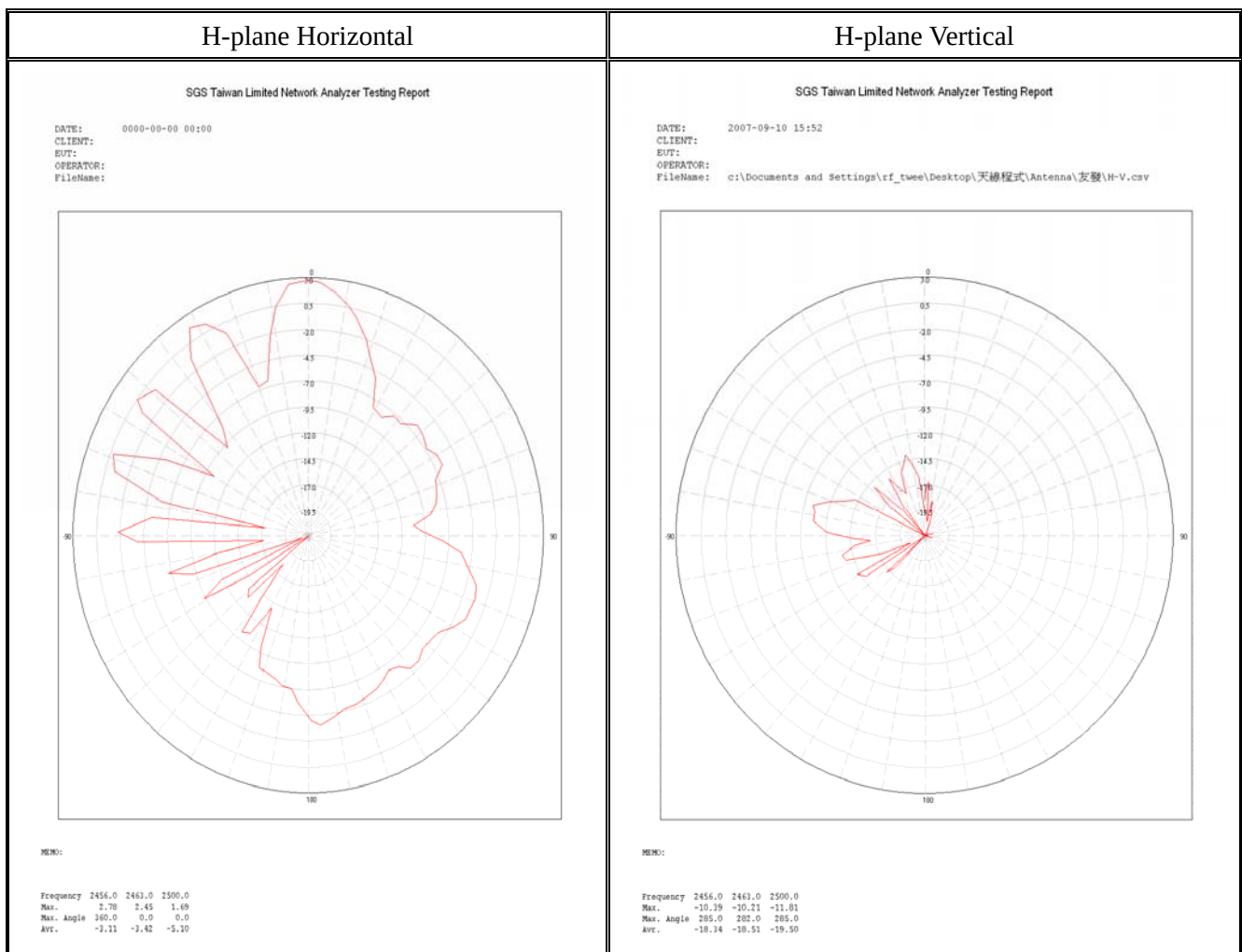
Figure 1



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### 3. Test Result:

| 2456 MHz Test Result:                   |             |
|-----------------------------------------|-------------|
| H-plane Horizontal antenna Peak Gain    | =2.78 dBi   |
| H-plane Horizontal antenna Average Gain | = -3.11 dBi |
| H-plane Vertical antenna Peak Gain      | = -10.39dBi |
| H-plane Vertical antenna Average Gain   | = -18.34dBi |
| Impedence                               | = 50 ohms   |
| VSWR                                    | $\leq 2$    |



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