

## 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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**Test By:**

*Bangde Liu*

**Date**

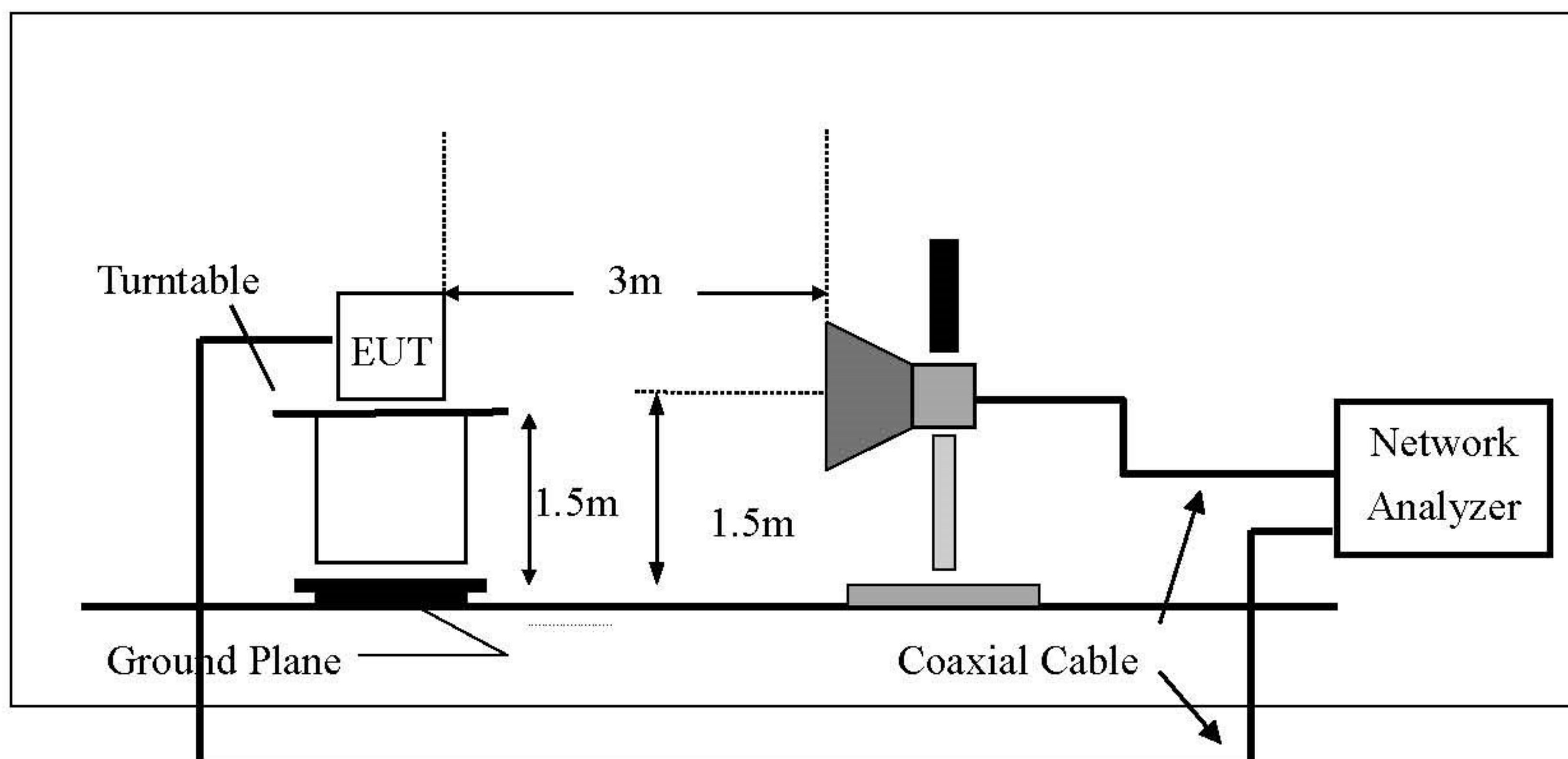
Sep. 11, 2007

**Bangde Liu/Engineer**

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



Measurement Equipment Used:

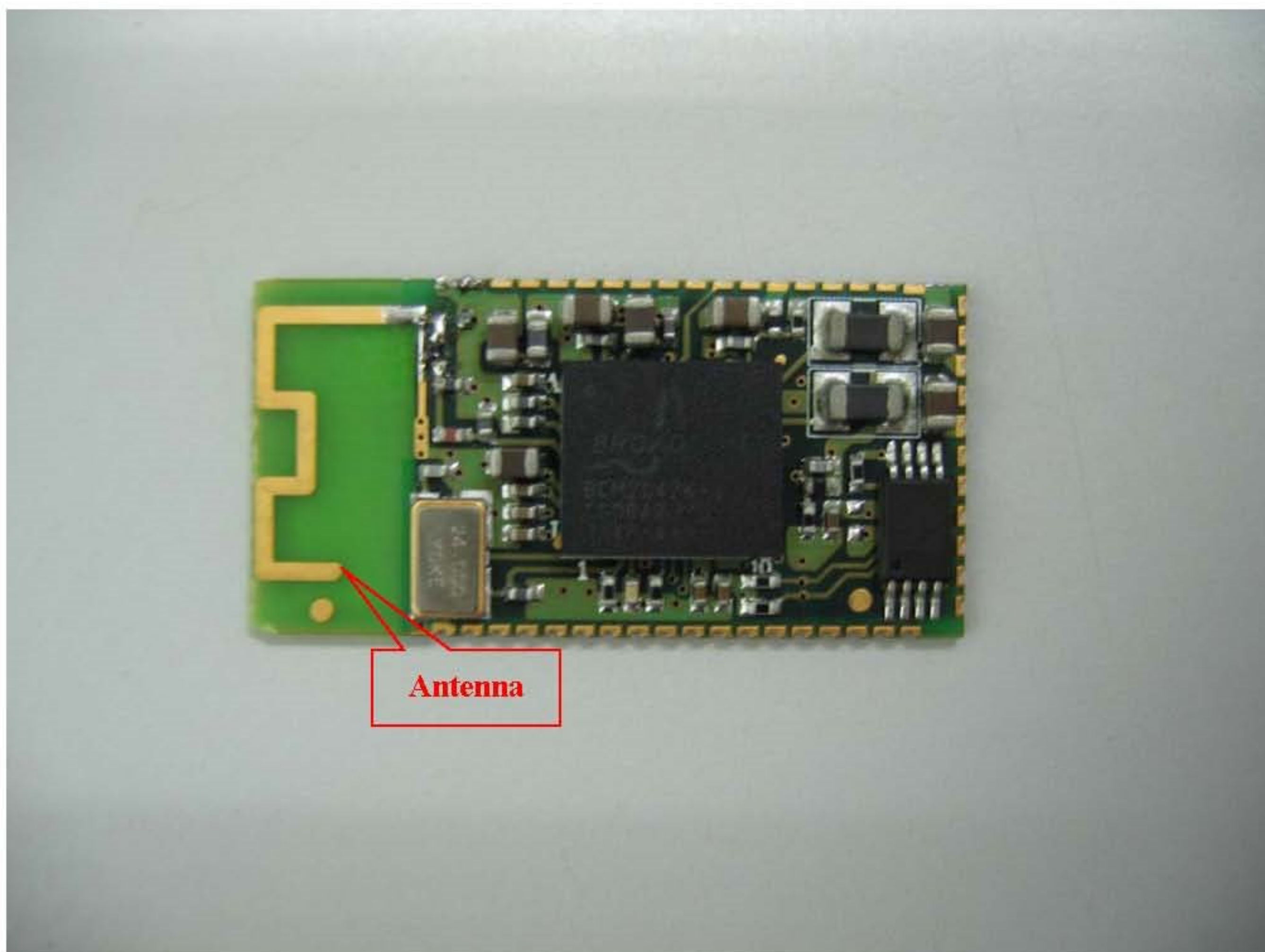
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.	Cal. Lab.	Note
Horn antenna	Schwarzbeck	BBHA 9120D	309/320	12/01/2006	12/01/2007	ETC	Calibration based on the article 24-2-4-2-Ha of the radio law
Network Analyzer	Aglient	8714ET	US41442815	11/01/2006	11/01/2007	ETC	
Turn Table	HD	DT420	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

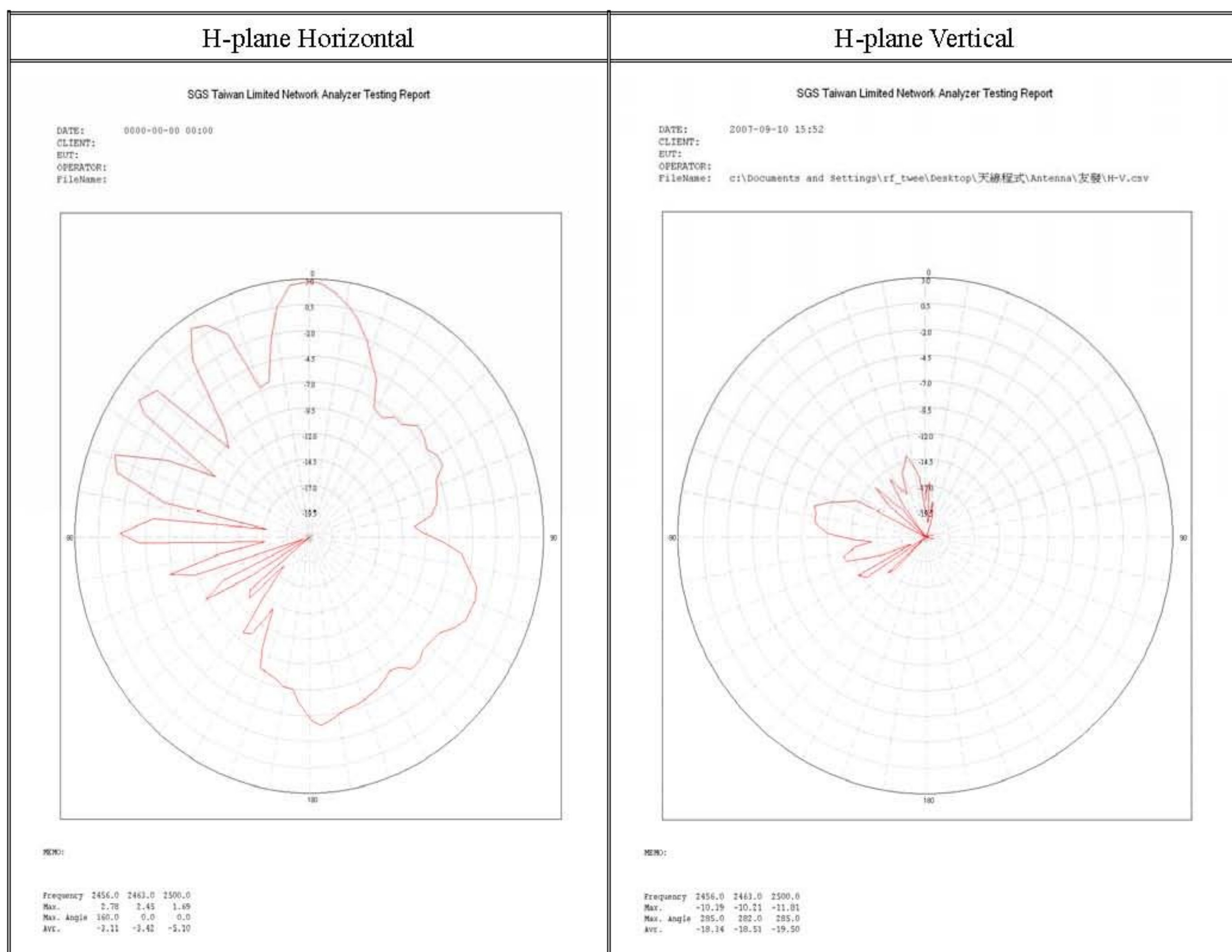


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### 3. Test Result:

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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