

## ANTENNA TEST REPORT

FOR

**Product Name:** MO300QBM**Model Name:** MO300QBM**Part Number:** N/A**Brand Name:** SAGEM**Report No.:** ER/2008/20008-01**Issue Date:** Feb. 19, 2008**Prepared for:** SAGEM COMMUNICATIONS  
27, rue Leblanc, 75512 PARIS CEDEX 15, France**Prepared by:** SGS Taiwan Ltd.  
Electronics & Communication Laboratory  
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County, Taiwan.

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**Test By:**

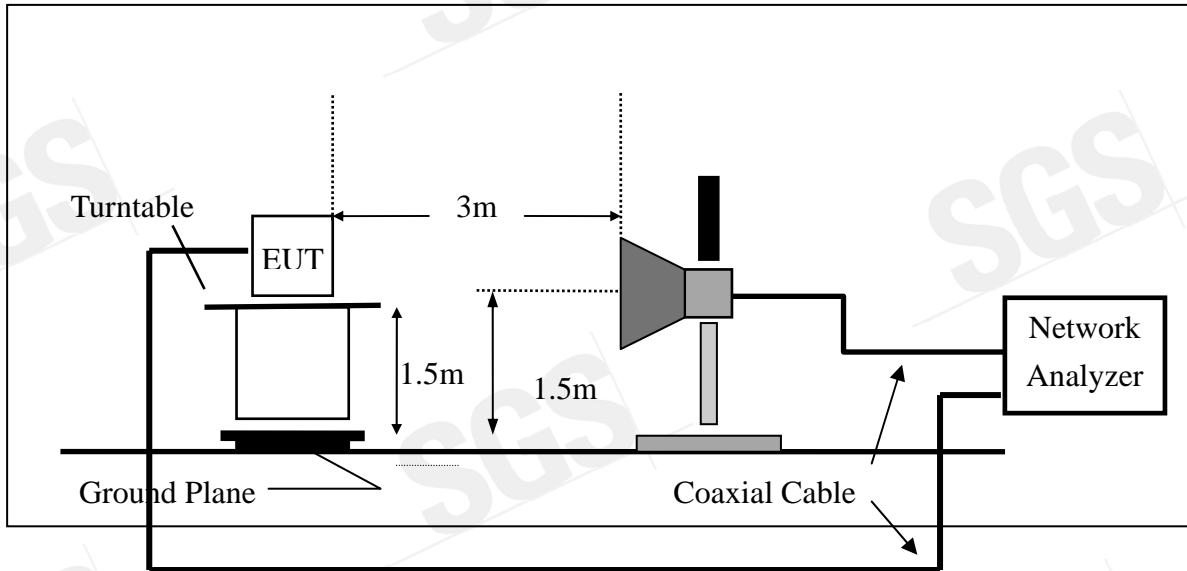
Sky Wang

**Date**

Feb. 19, 2008

Sky Wang/ Asst. Supervisor

## 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	12/01/2007	12/01/2008	ETC	Calibration based on the article 24-2-4-2-Ha of the radio law
Network Analyzer	Aglient	8714ET	US41442815	11/01/2007	11/01/2008	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	

## 2. Geometry of structure

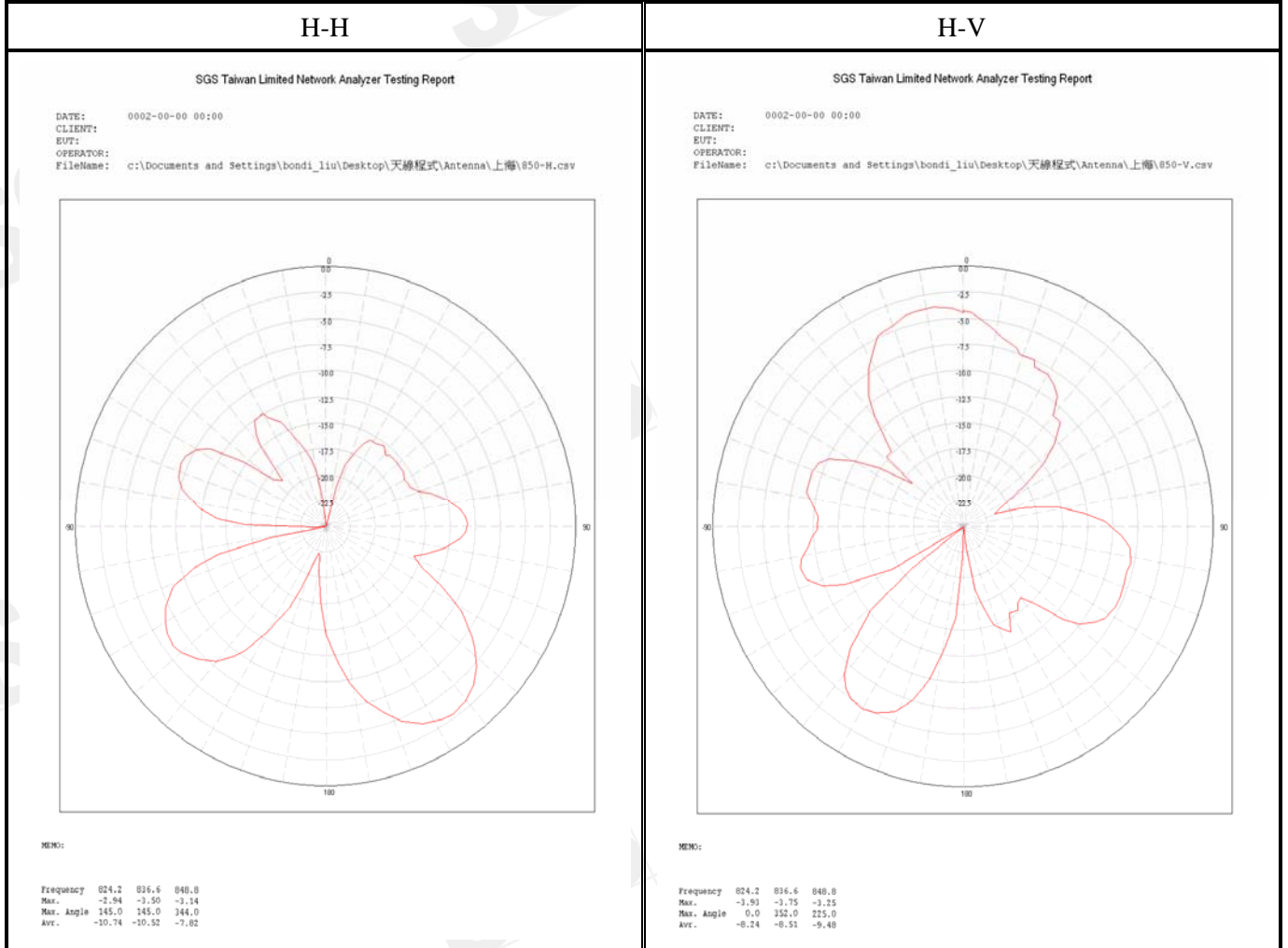
Figure 1



**3. Test Result:**

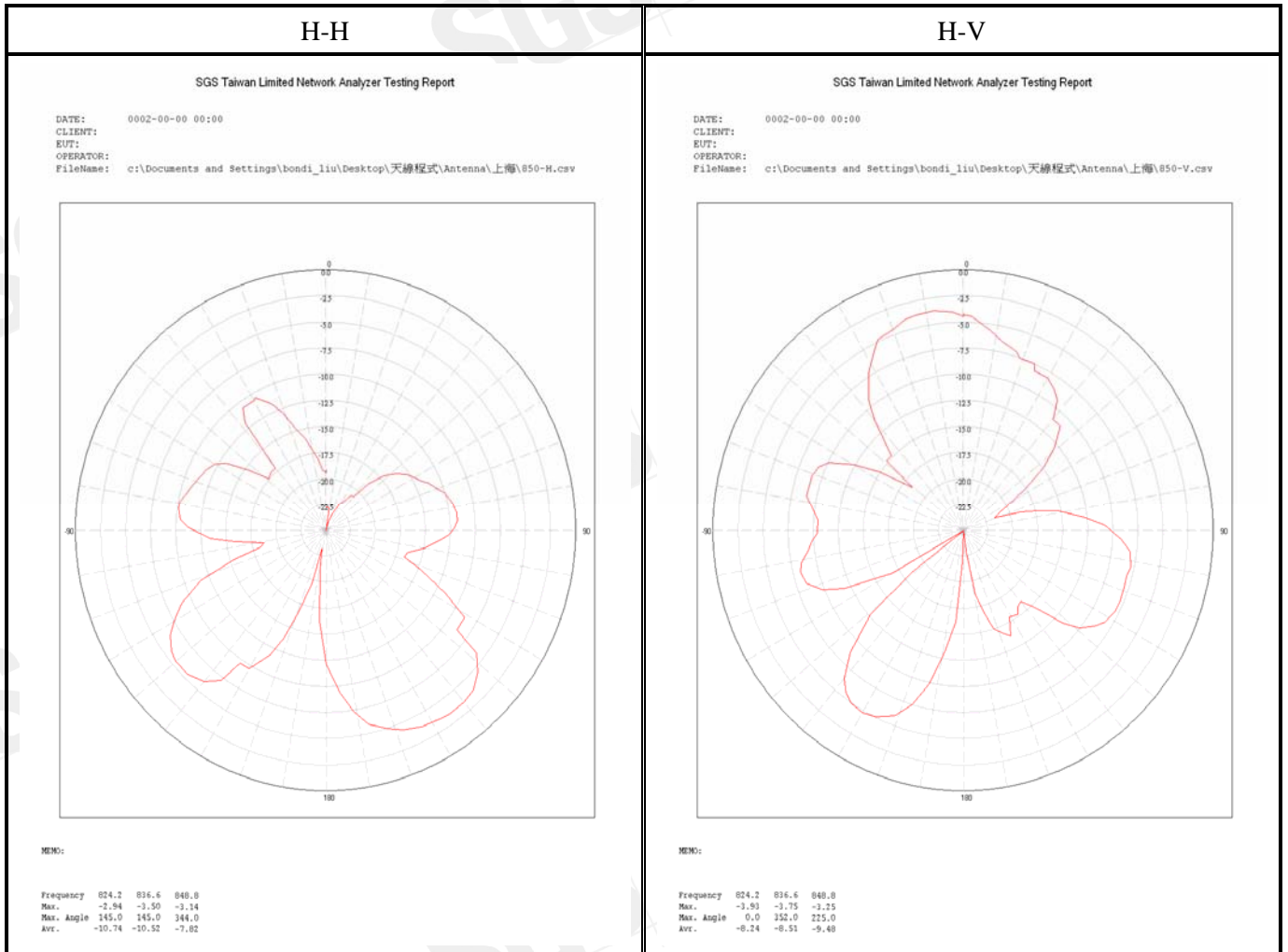
<b>824.2 MHz Test Result:</b>	
H-Plane antenna Peak Gain (Max.)	= -2.94 dBi
H-Plane antenna Average Gain (Max.)	= -8.24 dBi
<b>836.6 MHz Test Result:</b>	
H-Plane antenna Peak Gain (Max.)	= -3.50 dBi
H-Plane antenna Average Gain (Max.)	= -8.51 dBi
<b>848.8 MHz Test Result:</b>	
H-Plane antenna Peak Gain	= -3.24 dBi
H-Plane antenna Average Gain	= -7.02 dBi
Impedence	= 40~50.1ohms
VSWR	≤ 2

Frequency: 824.2 MHz



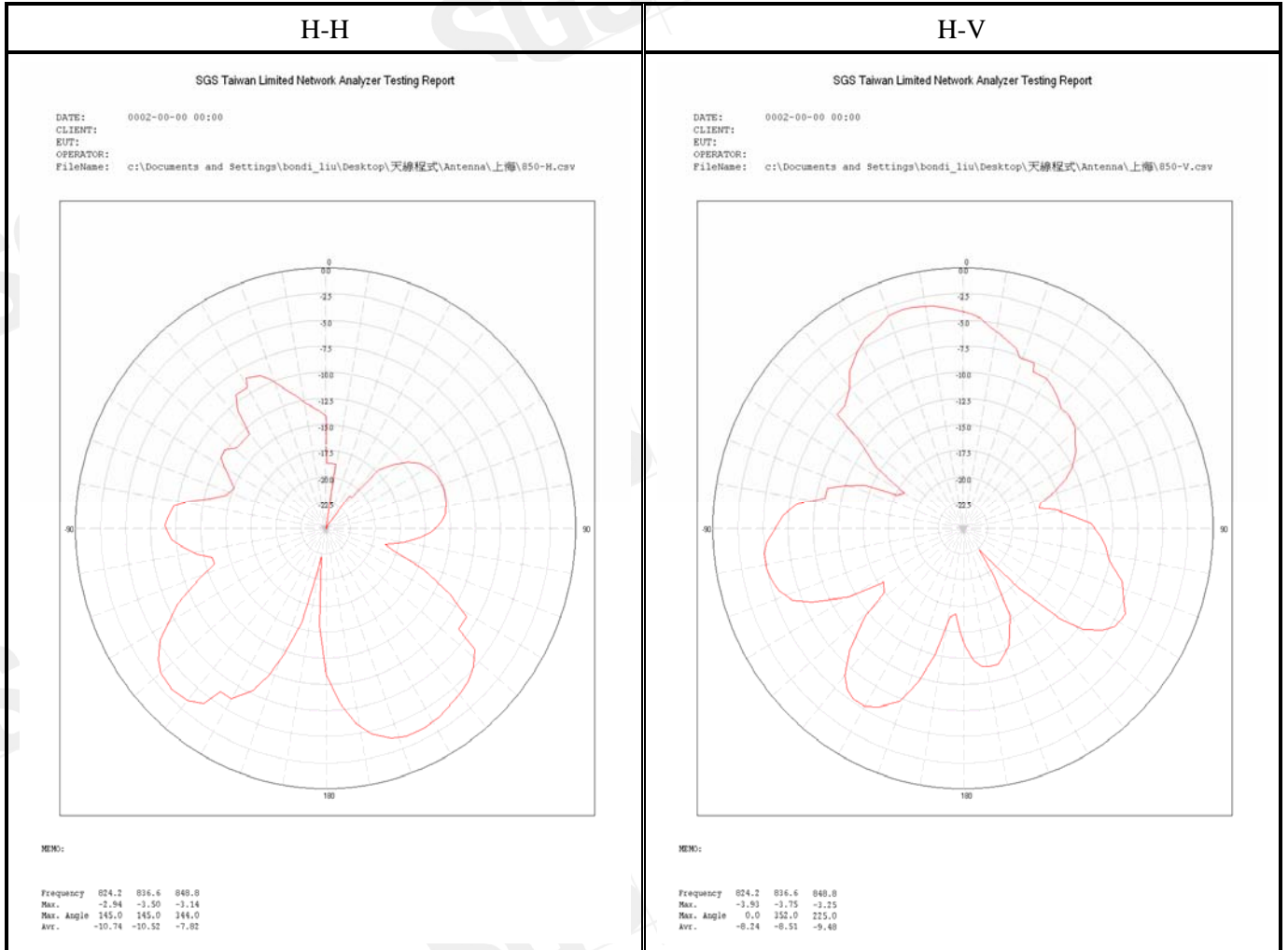
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Frequency: 836.6 MHz



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Frequency: 848.8 MHz

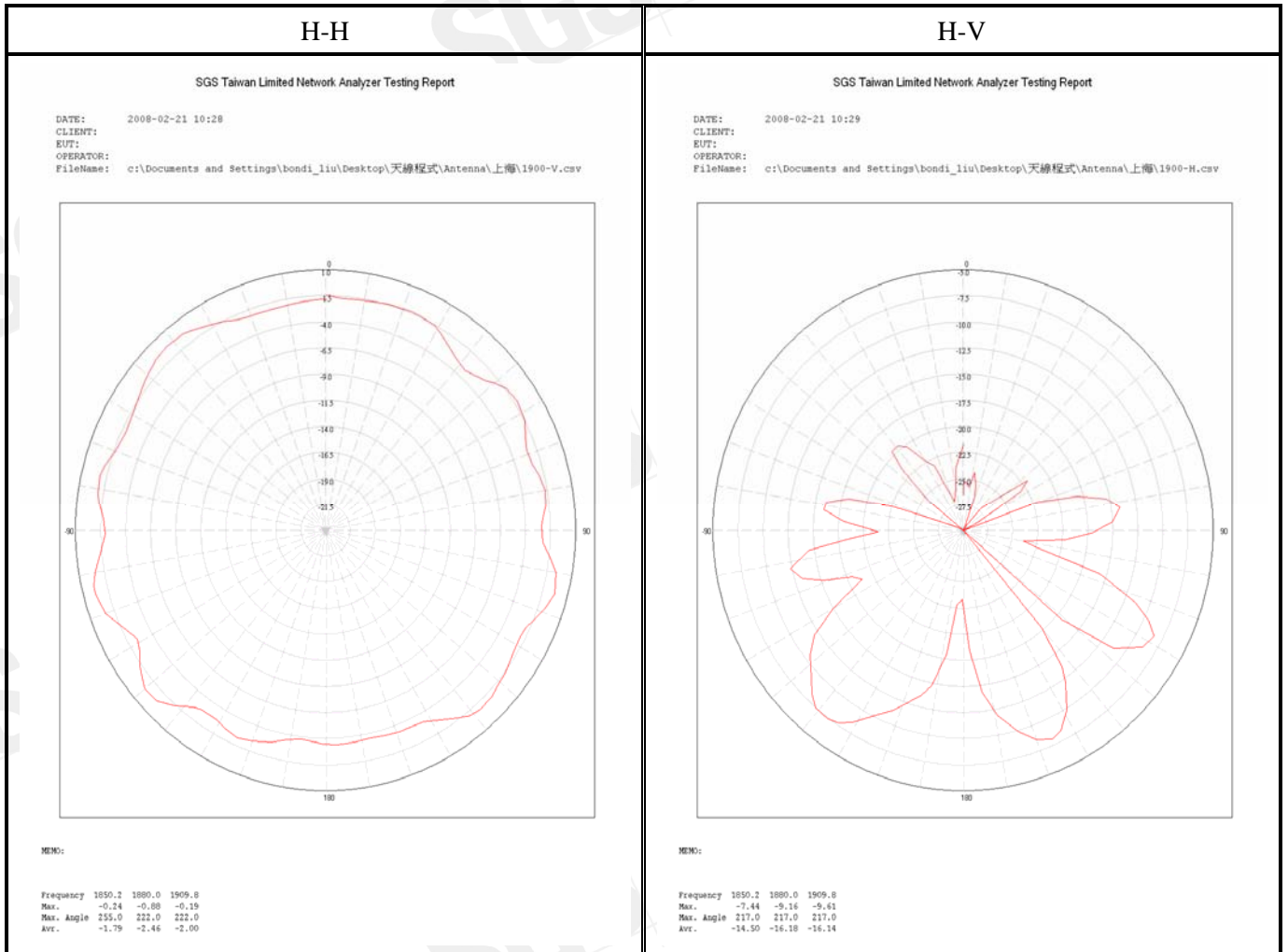


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<b>1850.2 MHz Test Result:</b>	
H-Plane antenna Peak Gain (Max.)	= -0.24 dBi
H-Plane antenna Average Gain(Max.)	= -1.79 dBi
<b>1880.0 MHz Test Result:</b>	
H-Plane antenna Peak Gain (Max.)	= -0.88 dBi
H-Plane antenna Average Gain (Max.)	= -2.64 dBi
<b>1909.8 MHz Test Result:</b>	
H-Plane antenna Peak Gain (Max.)	= -0.19 dBi
H-Plane antenna Average Gain (Max.)	= -2.00 dBi
Impedence	= 40~50.1ohms
VSWR	≤2

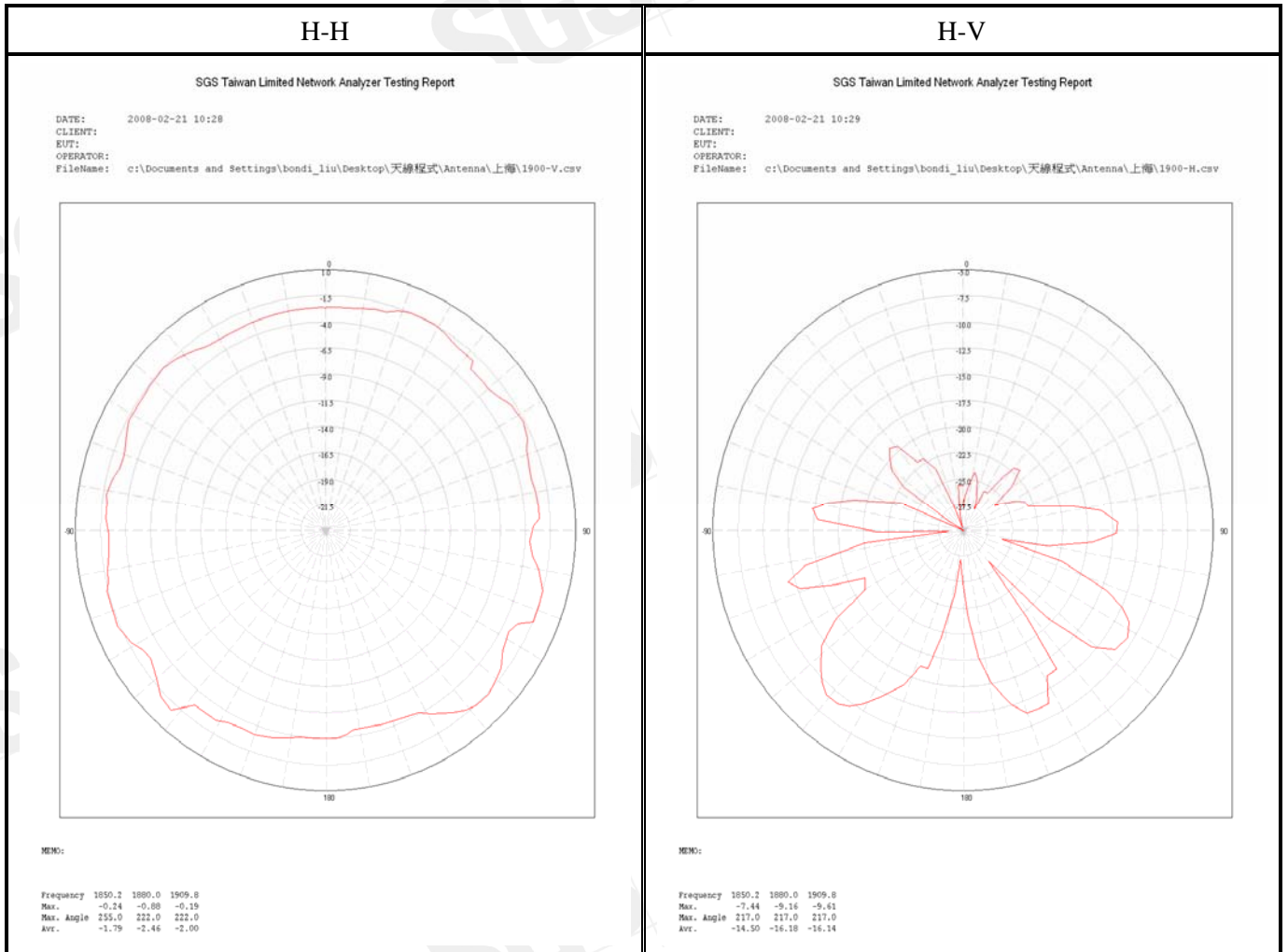


Frequency: 1850.2 MHz



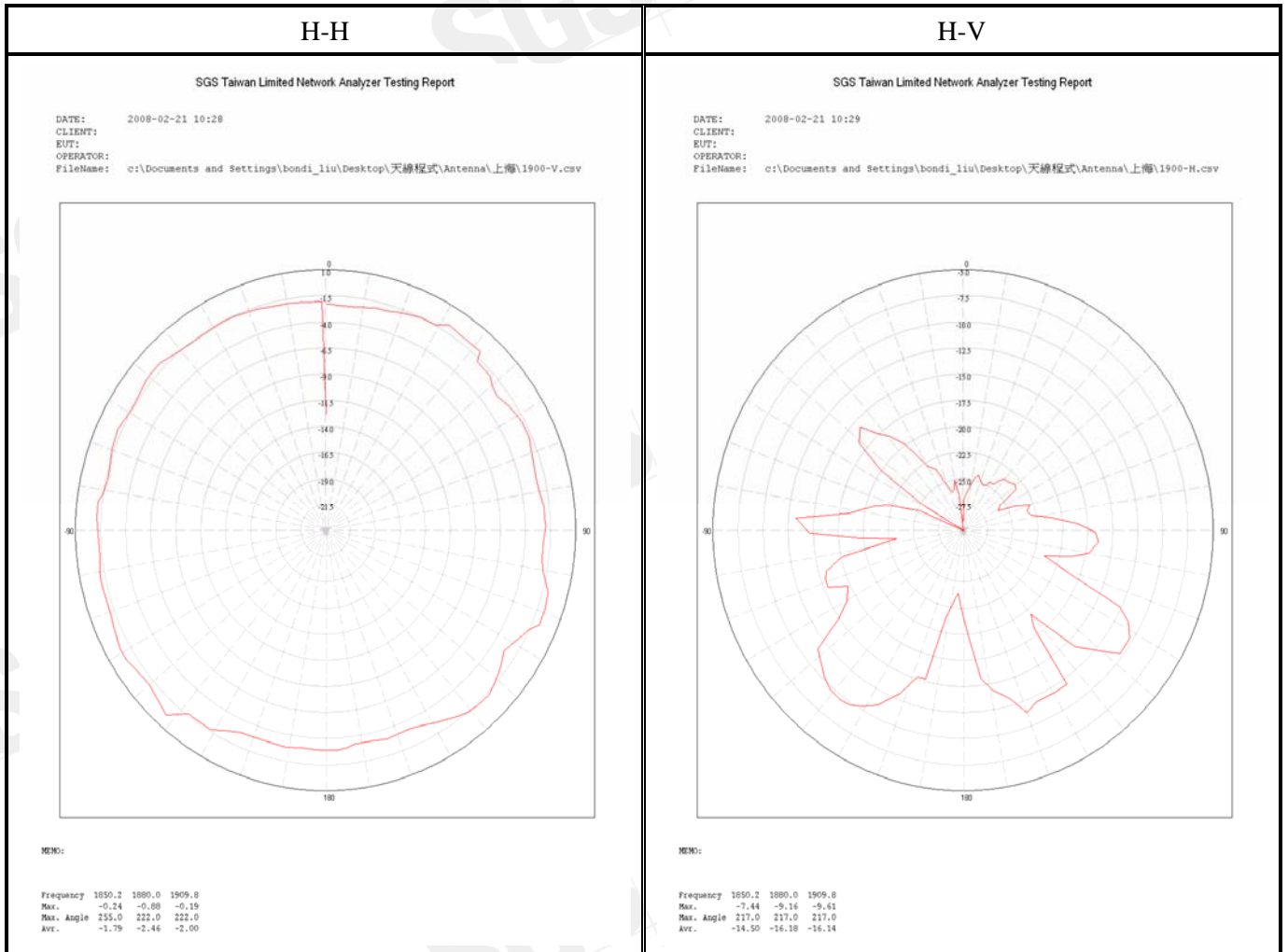
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Frequency: 1880 MHz



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Frequency: 1909.8 MHz



**-End of Report-**

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