

ANTENNA TEST REPORT**FOR**

Product Name: HILO

Model Name: HILO

Part Number: N/A

Brand Name: SAGEM

Report No.: ER/2008/20034

Issue Date: Mar. 05.2008

Prepared for: SAGEM COMMUNICATIONS
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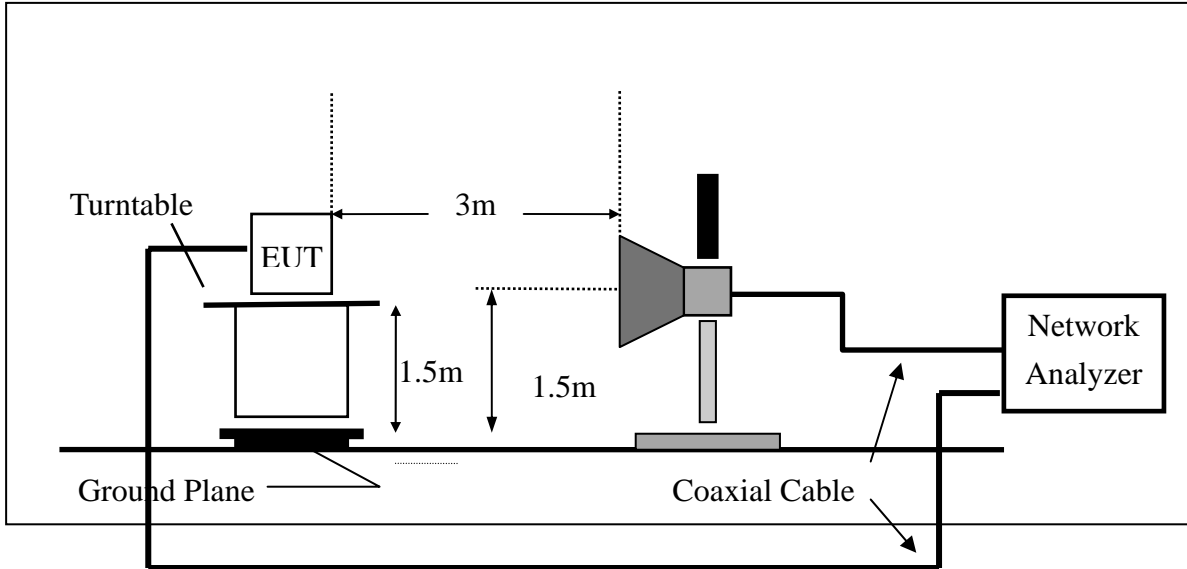
Test By:**Date**

MAR. 05, 2008

Sky Wang/ Asst. Supervisor

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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	12/01/2007	12/01/2008	ETC	Calibration based on the article 24-2-4-2-H a 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	

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2. Geometry of structure

Figure 1



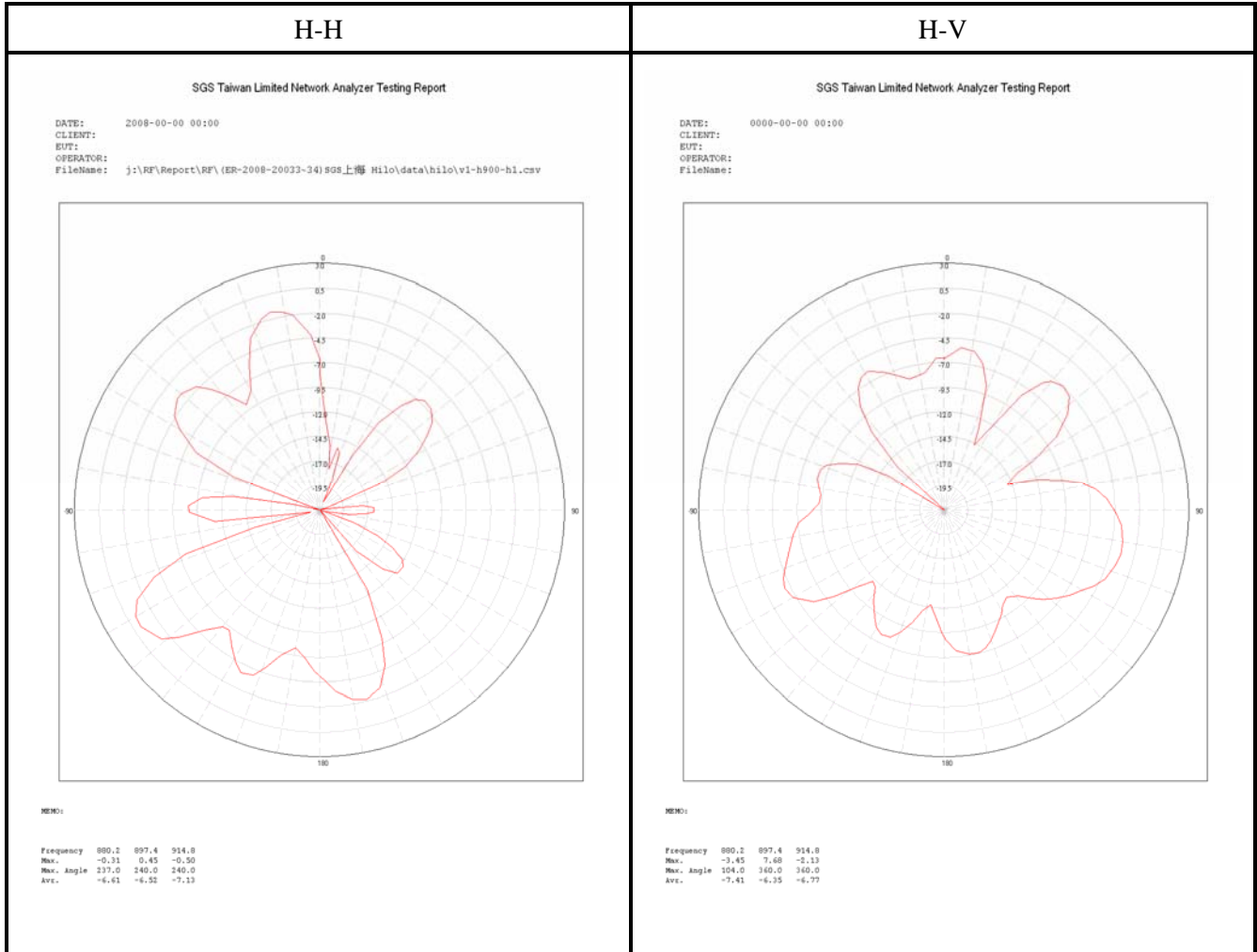
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3. Test Result:

880.2 MHz Test Result:	
H-Plane antenna Peak Gain (Max.)	= -0.31 dBi
H-Plane antenna Average Gain (Max.)	= -6.66 dBi
897.4 MHz Test Result:	
H-Plane antenna Peak Gain (Max.)	= 0.45 dBi
H-Plane antenna Average Gain (Max.)	= -6.56 dBi
914.8 MHz Test Result:	
H-Plane antenna Peak Gain	= -0.50 dBi
H-Plane antenna Average Gain	= -7.52 dBi
Impedence	= 40~50.1ohms
VSWR	≤ 2

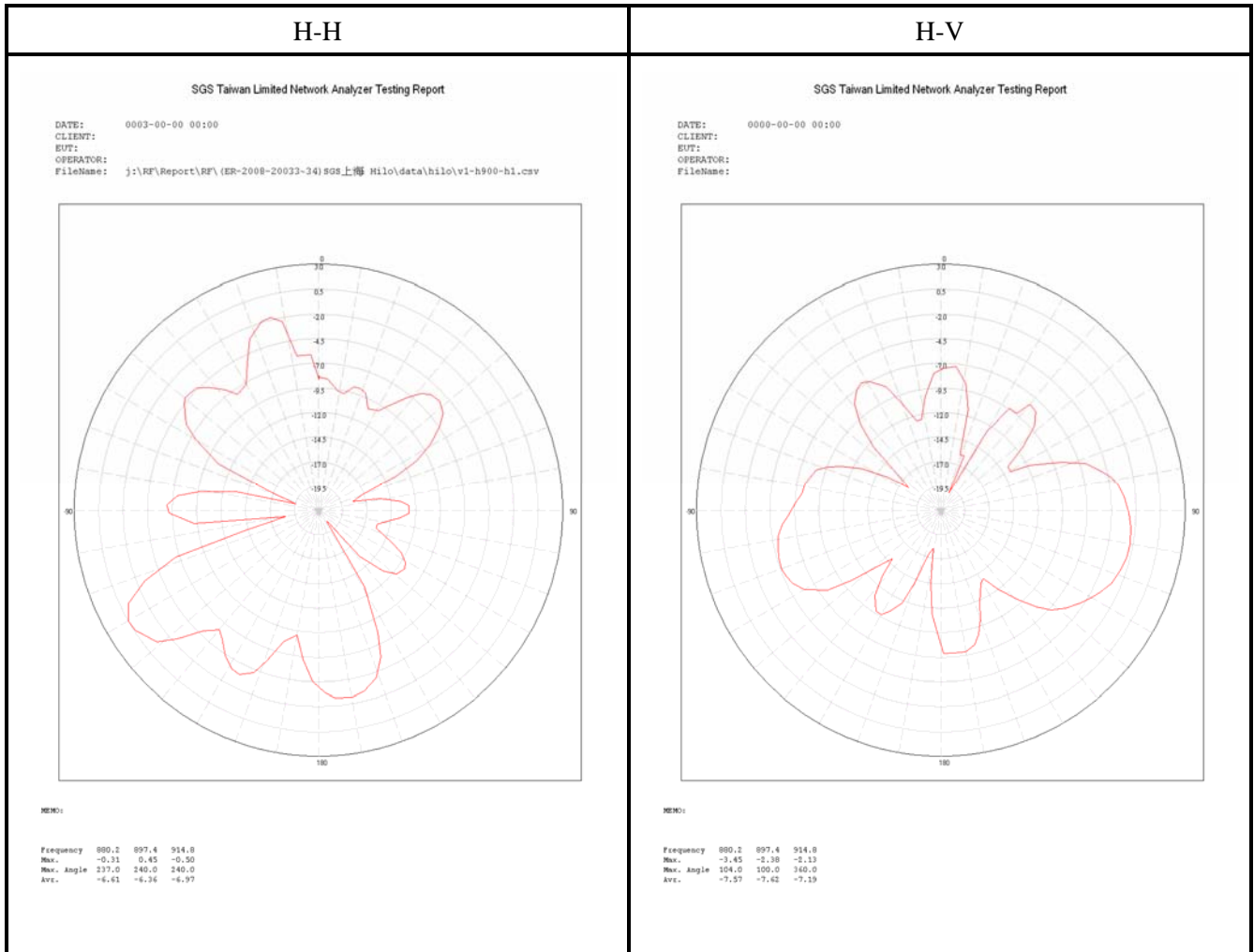
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Frequency: 880.2 MHz



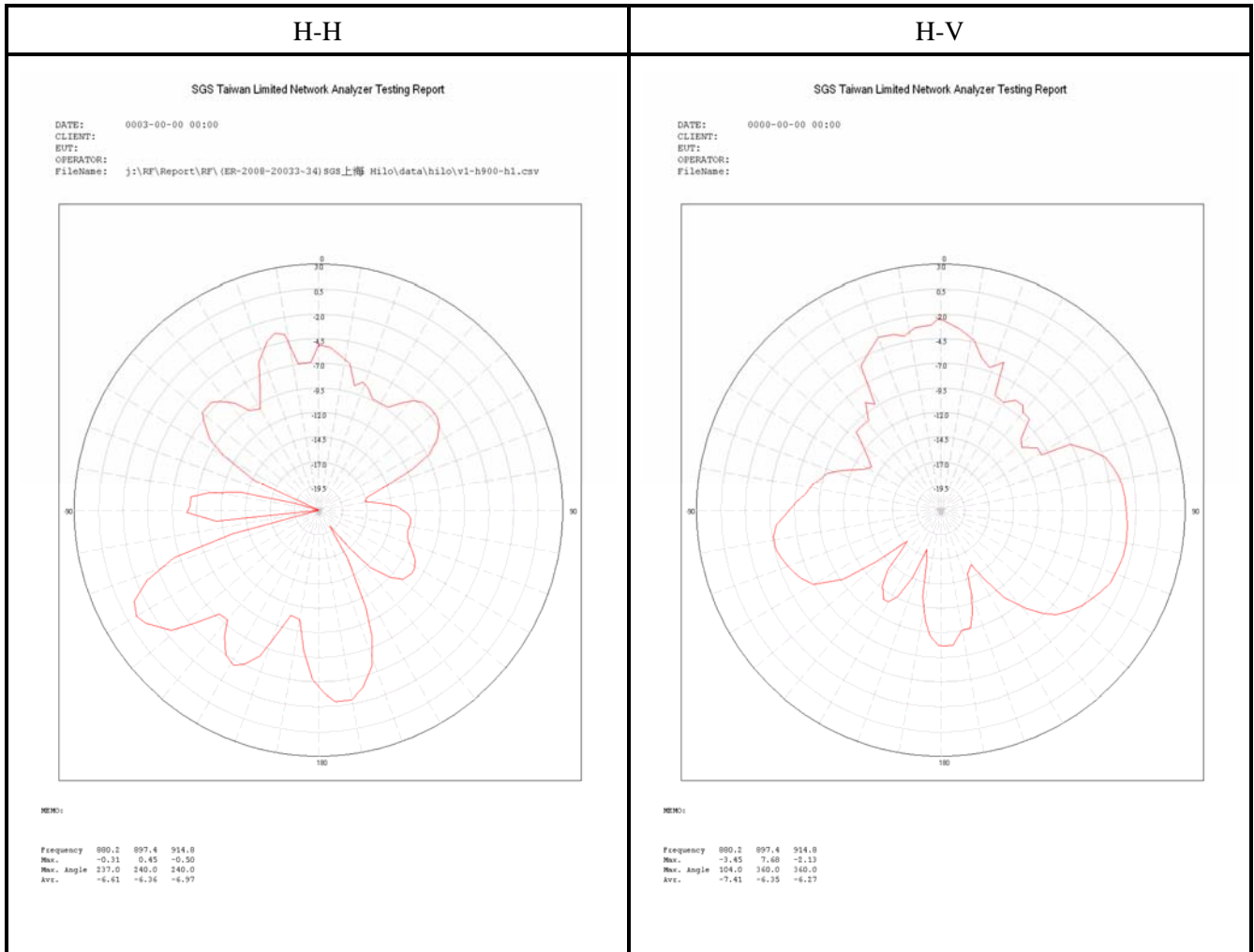
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Frequency: 897.4 MHz



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Frequency: 914.8 MHz

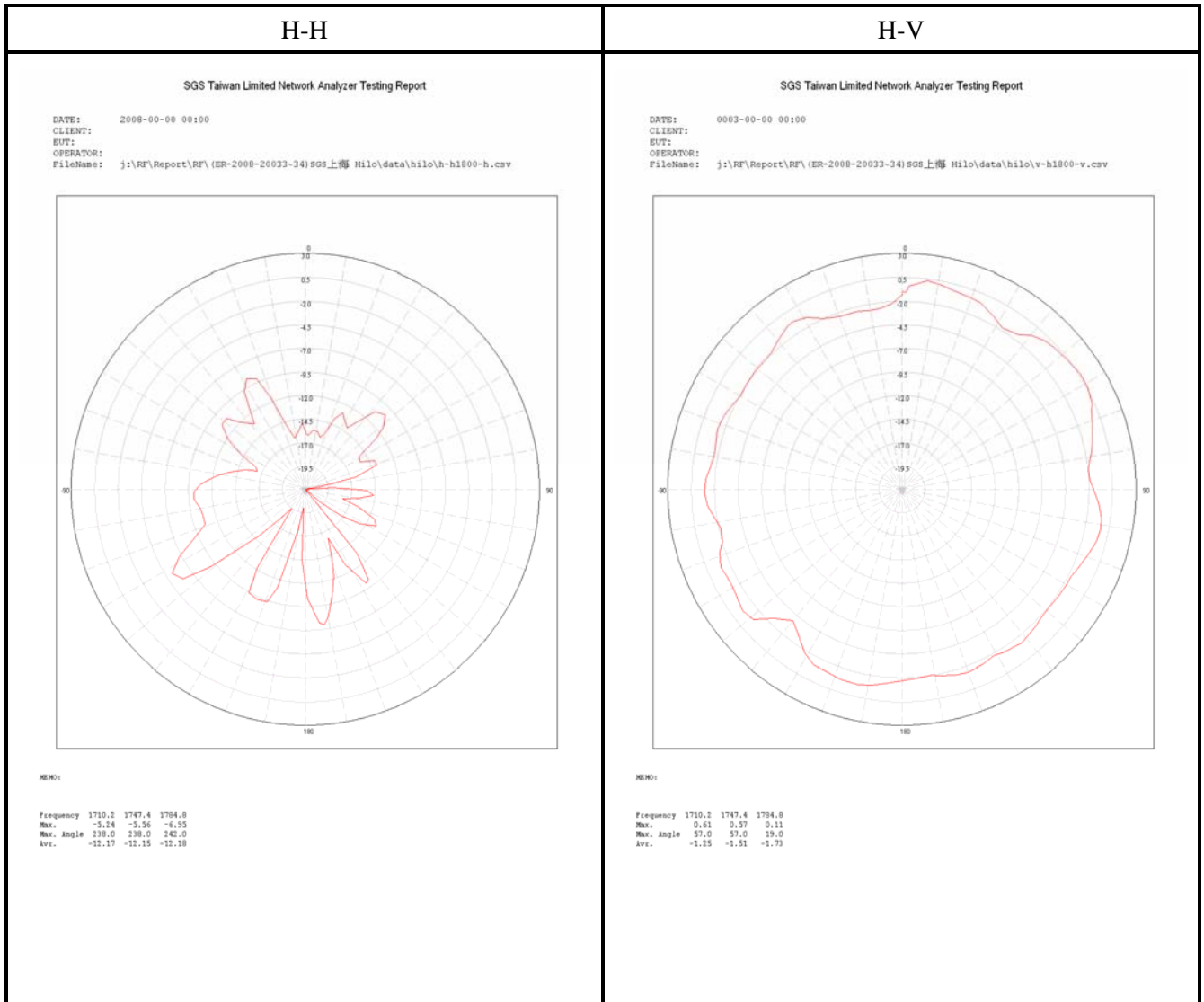


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1710.2 MHz Test Result:	
H-Plane antenna Peak Gain (Max.)	= 0.61 dBi
H-Plane antenna Average Gain(Max.)	= -1.26 dBi
1747.4 MHz Test Result:	
H-Plane antenna Peak Gain (Max.)	= 0.57 dBi
H-Plane antenna Average Gain (Max.)	= -1.55 dBi
1784.8 MHz Test Result:	
H-Plane antenna Peak Gain (Max.)	= 0.11 dBi
H-Plane antenna Average Gain (Max.)	= -2.02 dBi
Impedence	= 40~50.1ohms
VSWR	≤ 2

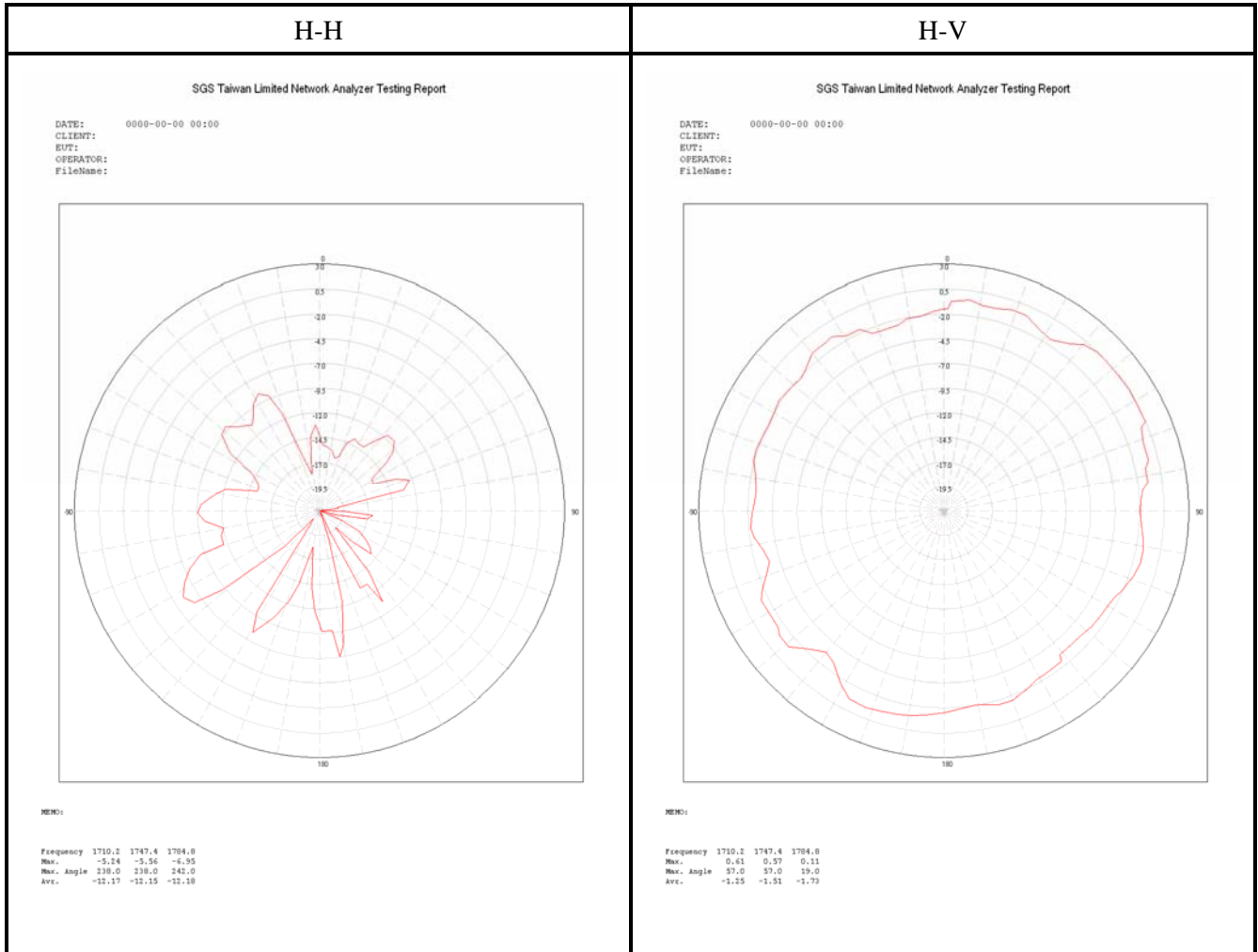
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Frequency: 1710.2 MHz



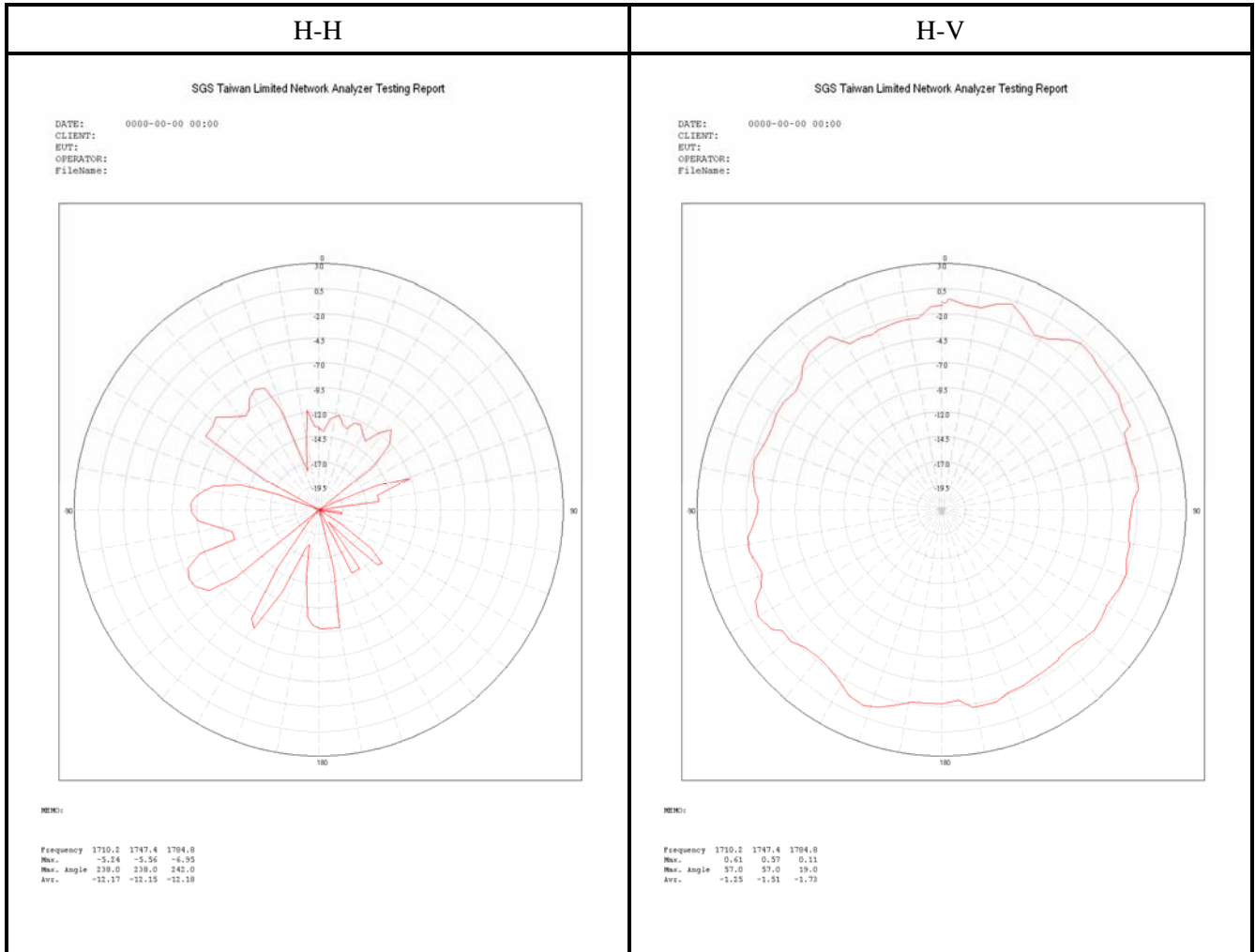
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Frequency: 1747.4 MHz



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Frequency: 1784.8 MHz



-End of Report-

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