

ANTENNA TEST REPORT

FOR

Product Name: Wireless GPS Receiver

Model Name: BT1000/BT2000

Part Number: N/A

Brand Name: BT1000/BT2000

Report No.: EF/2006/90012

Issue Date: Sep. 21. 2006

Prepared for: SUPA TECHNOLOGY CO., LTD.
2F-2,NO.738,Zhongzheng Rd, Zhonghe City,Taipei
Hsien,Taiwan 235s

Prepared by: SGS Taiwan Ltd.
No. 134, Wu Kung Rd., Wuku Industrial Zone,
Taipei County, Taiwan.

Note: This report shall not be reproduced except in full, without the written approval of SGS Taiwan Ltd. This document may be altered or revised by SGS Taiwan Ltd. personnel only, and shall be noted in the revision section of the document.

Test By:

Jason Wu

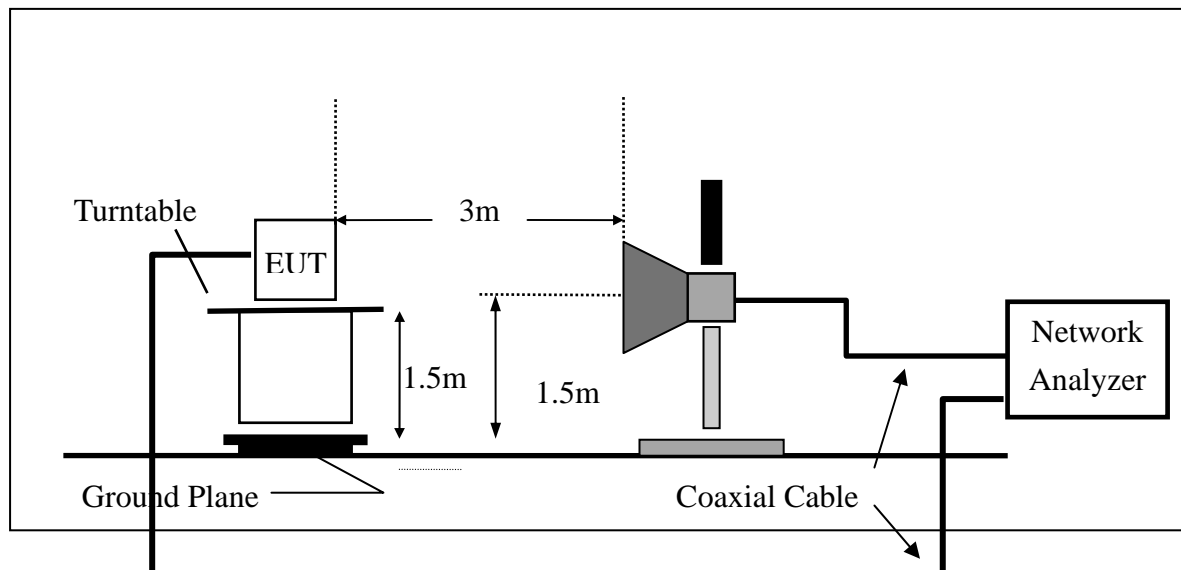
Date

Sep. 21, 2006

Jason Wu

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification, and Jurisdictional issued defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放，請注意此條款列印於背面，亦可在 www.sgs.com 中查閱。將本公司之義務，免責，管轄權皆明確規範之。除非另有說明，此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可，不可部份複製。對本報告內容或外觀之任何未經授權之變更、偽造、竄改皆屬非法，違犯者將會被依法追訴。

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	

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification, and Jurisdictional issued defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放, 請注意此條款列印於背面, 亦可在 www.sgs.com 中查閱。將本公司之義務, 免責, 管轄權皆明確規範之。除非另有說明, 此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、偽造、竄改皆屬非法, 違犯者將會被依法追訴。

2. Geometry of structure

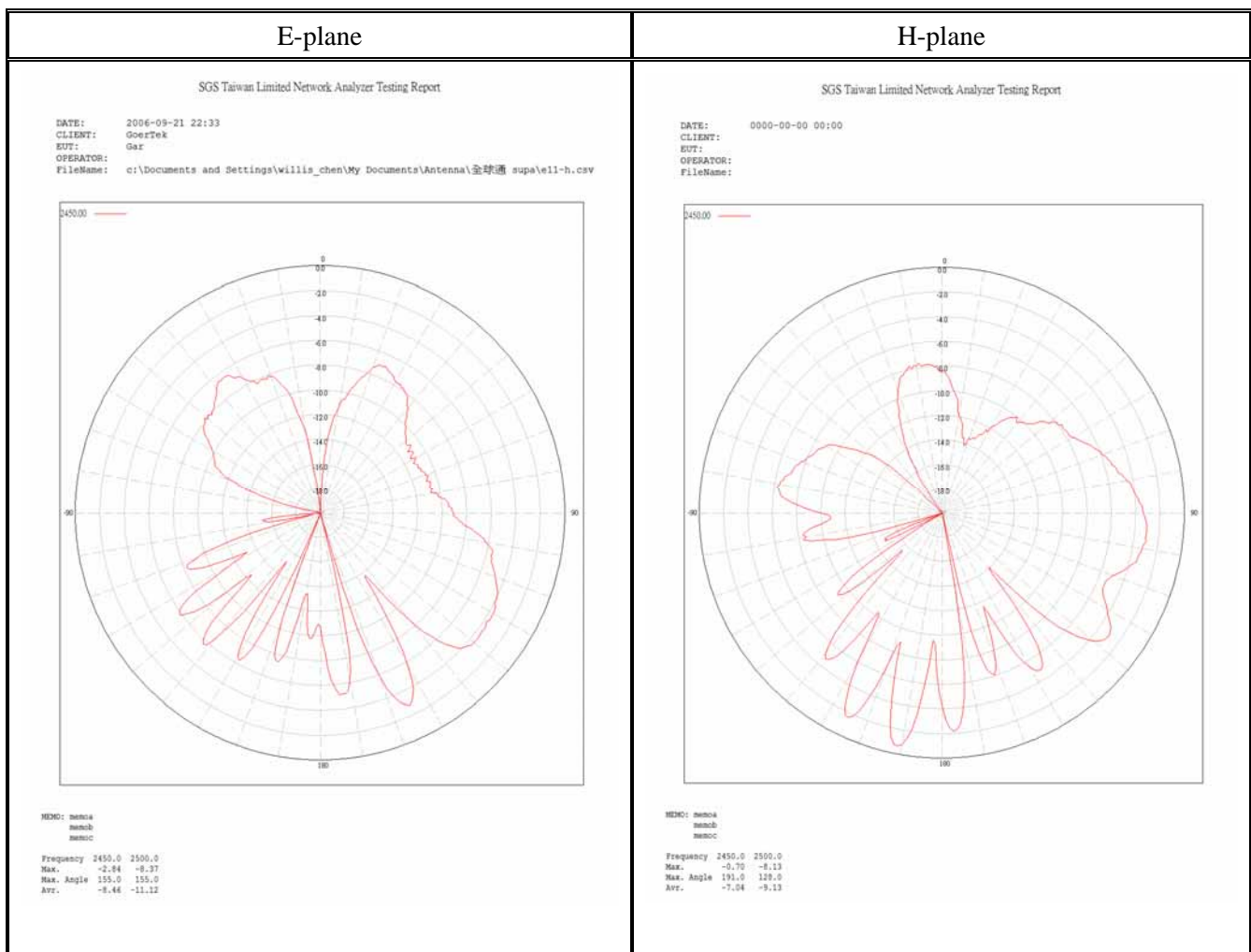
Figure 1



This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification, and Jurisdictional issued defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放，請注意此條款列印於背面，亦可在 www.sgs.com 中查閱。將本公司之義務，免責，管轄權皆明確規範之。除非另有說明，此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可，不可部份複製。對本報告內容或外觀之任何未經授權之變更、偽造、竄改皆屬非法，違犯者將會被依法追訴。

3. Test Result:

2450 MHz Test Result:	
E-Plane antenna Peak Gain	= -2.84 dBi
E-Plane antenna Average Gain	= -8.46 dBi
H-Plane antenna Peak Gain	= -0.7 dBi
H-Plane antenna Average Gain	= -7.04dBi
Impedence	= 50.2 ohms
VSWR	≤ 2



This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification, and Jurisdictional issued defined therein. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. 此報告是遵循本公司訂定之通用服務條款所製作發放, 請注意此條款列印於背面, 亦可在 www.sgs.com 中查閱。將本公司之義務, 免責, 管轄權皆明確規範之。除非另有說明, 此報告結果僅對檢驗之樣品負責。本報告未經本公司書面許可, 不可部份複製。對本報告內容或外觀之任何未經授權之變更、偽造、竄改皆屬非法, 違犯者將會被依法追訴。