



普傑國際股份有限公司

PROFESSOR TECHNOLOGY CO., LTD.

PRODUCT SPECIFICATION

產品承認書

Customer: _____

Product Name: Active GPS Antenna

Model No: CPG11H

Production Region: TAIWAN

Version: English

Customer Approval Stamp.

Date: ____ / ____ / ____.

Contact Info: Jimmy Chan
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Model No:

CPG11H

Date:

20/FEB/2006

Checked by:

Approved by:

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Specification

規格

1.0 CONFIGURATION

1.1	RF Cable	RG174 , n $2.5 \pm 0.05\text{mm}$ Double Shield, Black.	
		Cable Length	3m $\pm$ 5cm
1.2	RF Connector	SMB FAKRA Type C	

2.0 GENERAL

2.1 ENVIRONMENTAL CONDITIONS

2.1.1	Operation Temperature	-30 to + 80
2.1.2	Storage Temperatur	-40 to + 100
2.1.3	Relative Humidity	40% to 95%

2.2 ELECTRICAL SPECIFICATIONS

2.2.1	Input Voltage	3V~5V	
2.2.2	Power Consumption	At 3.0 V	Typ: 13mA. Max: 16mA.
		At 5.0 V	Typ: 18mA. Max: 22mA.

2.3 MECHANICAL SPECIFICATIONS

2.3.1	Mounting	Magnet mount.
2.3.2	Horizontal Pulling Force of Magnet	1.5 Kg Min.
2.3.3	Water Proof	100 % water proof.
2.3.4	Shock	10msec. Half sine wave.
2.3.5	Magnet Threshold	The antenna must stay atatched to the vehicle, at a speed of 180 km/h.
2.3.6	Housing Material	ABS (Black)
2.3.7	Weight	105g Max.
2.3.8	Dimension	See Page. 4

3.0 ANTENNA

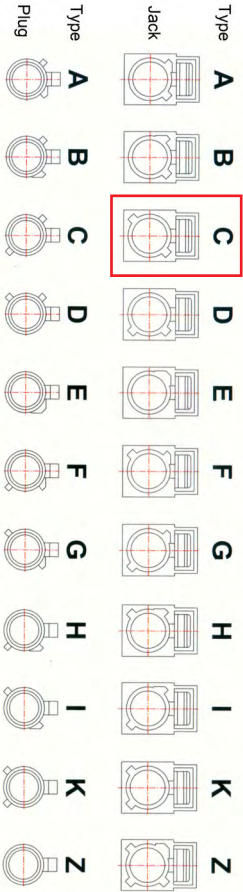
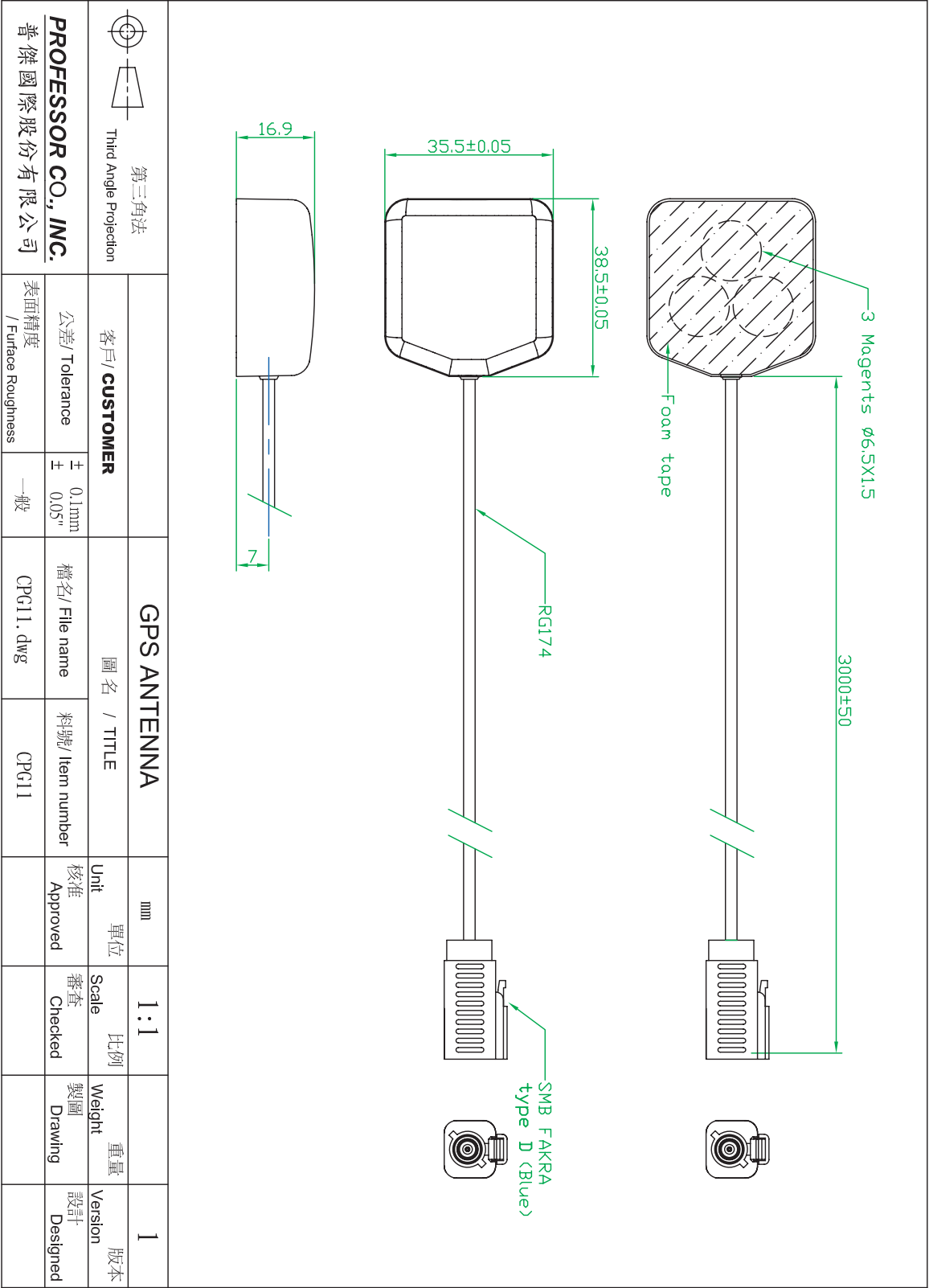
3.1	Frequency Range	1575.42 $\pm$ 1.023 MHz.
3.2	Gain	90° : 2.0 dBi Min.
		20° : -5.0 dBi Min.
3.3	Polarization	RHCP
3.4	Axial Ratio	90° : Max 3.0dB
		Mounted on the 60mm*60mm ground plane.



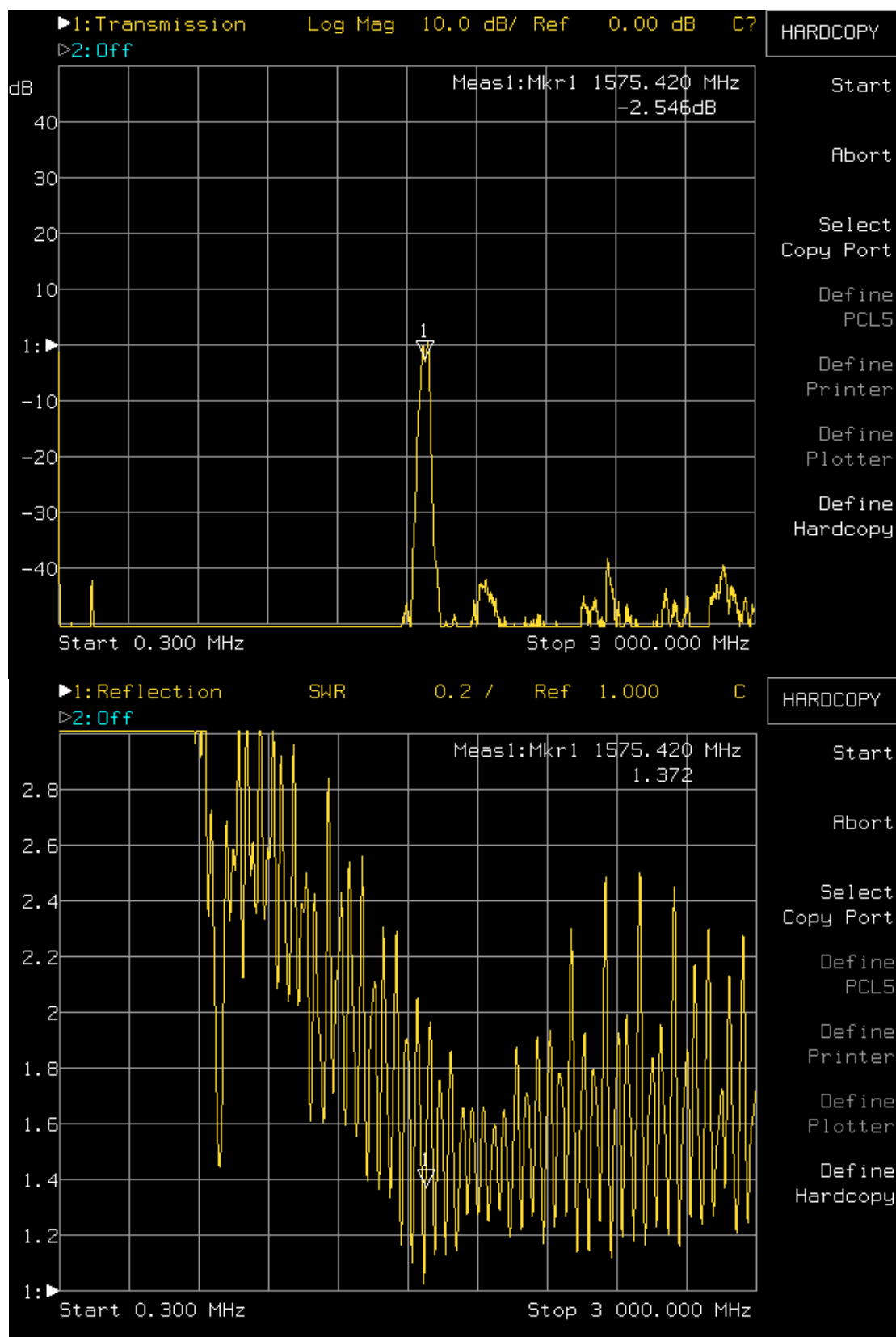
4.0 LNA

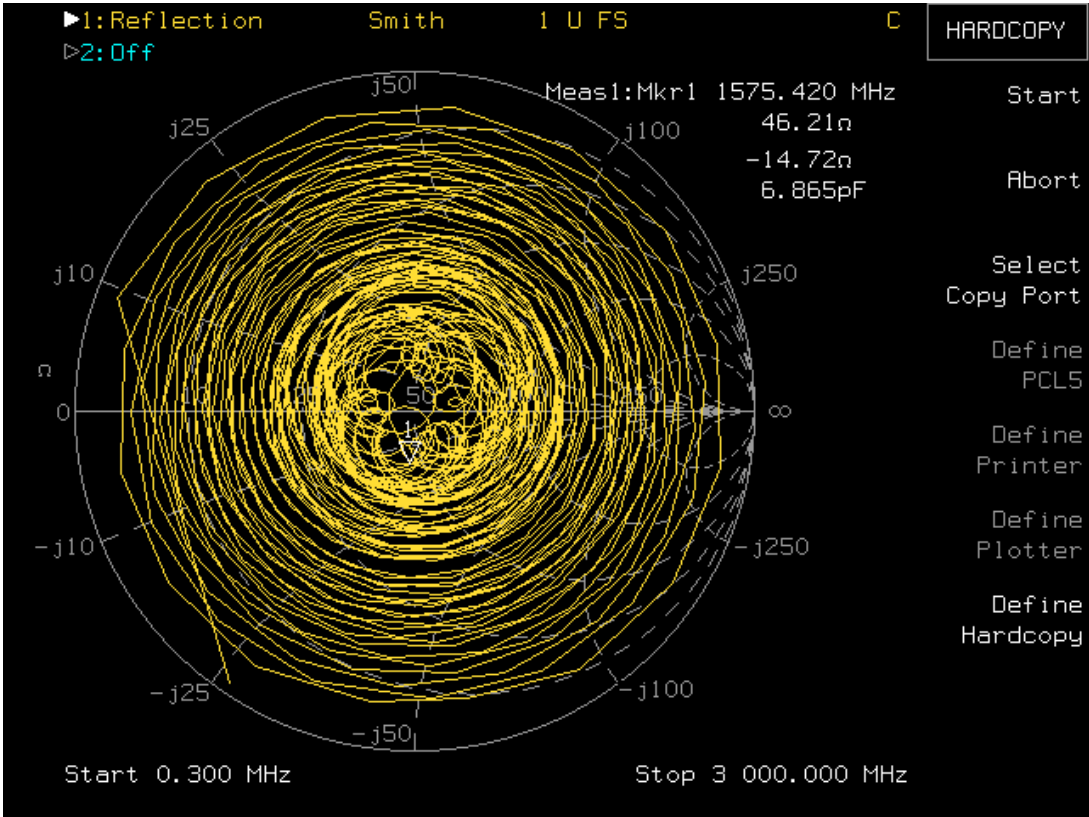
4.1	Frequency Range	1575.42 ± 1.023 MHz
4.2	Gain	28 ± 4.5dB (+ 25 °C ± 5°C)
4.3	Noise Figure	1.5 dB Max. (+25 °C ± 5°C) 2.2 dB Max. (+85 °C)
4.4	Out Band Rejection	fo = 1575.42MHz fo ± 20 MHz 7dB MIN fo ± 30 MHz 12dB MIN fo ± 50 MHz 20dB MIN fo ± 100 MHz 30dB MIN
4.5	Output Impedance	50Ω
4.6	Output VSWR	2.0 Max

OUTLAY
外觀圖

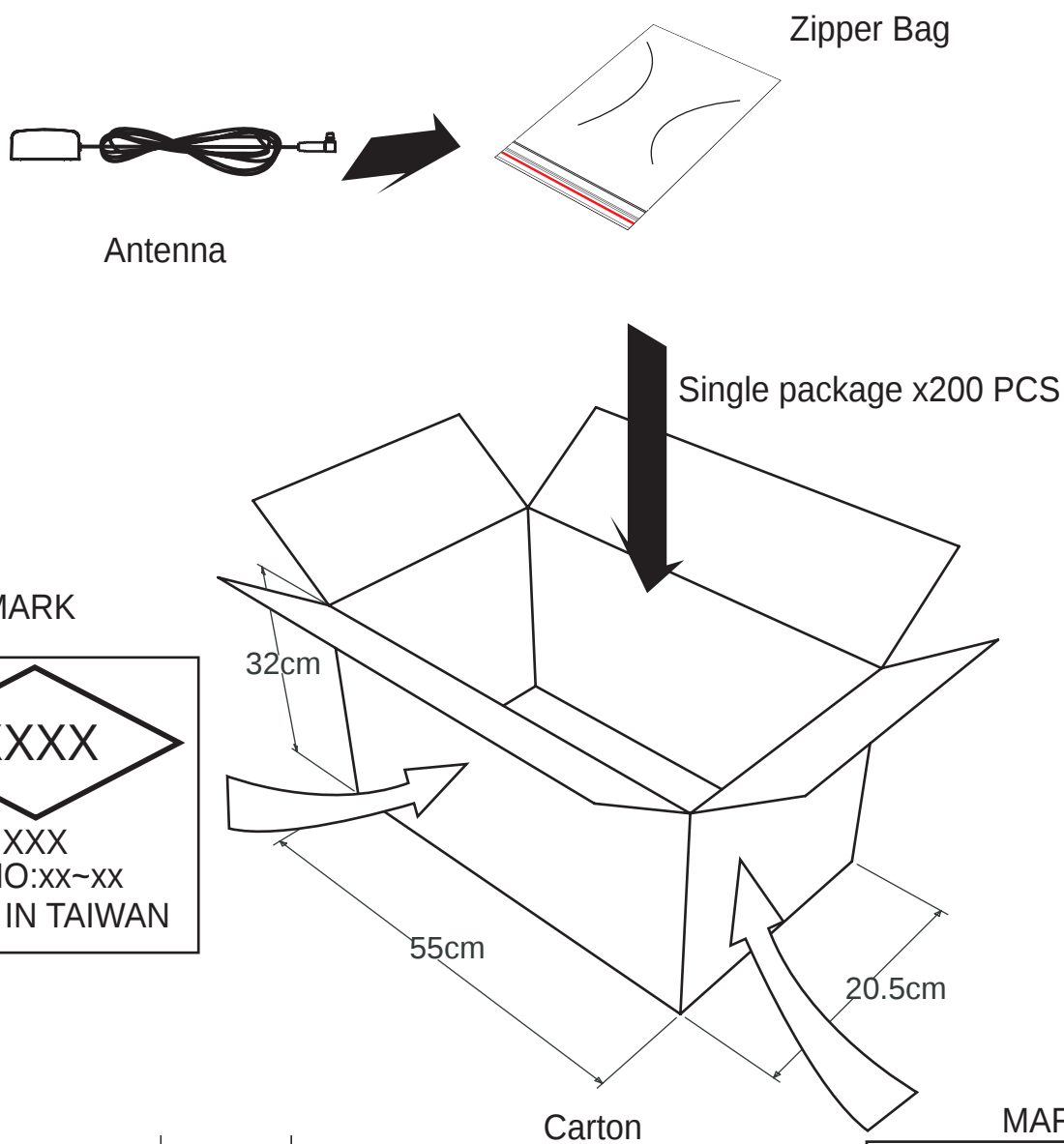


Antenna Pattern 測試圖





Carton Packaging Construction 外箱包裝



Quantity
Master Carton

200PCS

N.W.
Master Carton

14.9Kg

G.W.
Master Carton

15.6Kg

MARK

Item :CPG11H
Q'ty :200PCS
N.W. :14.9Kg
G.W. :15.6Kg
Meas. :55cmx20.5cmx32cm