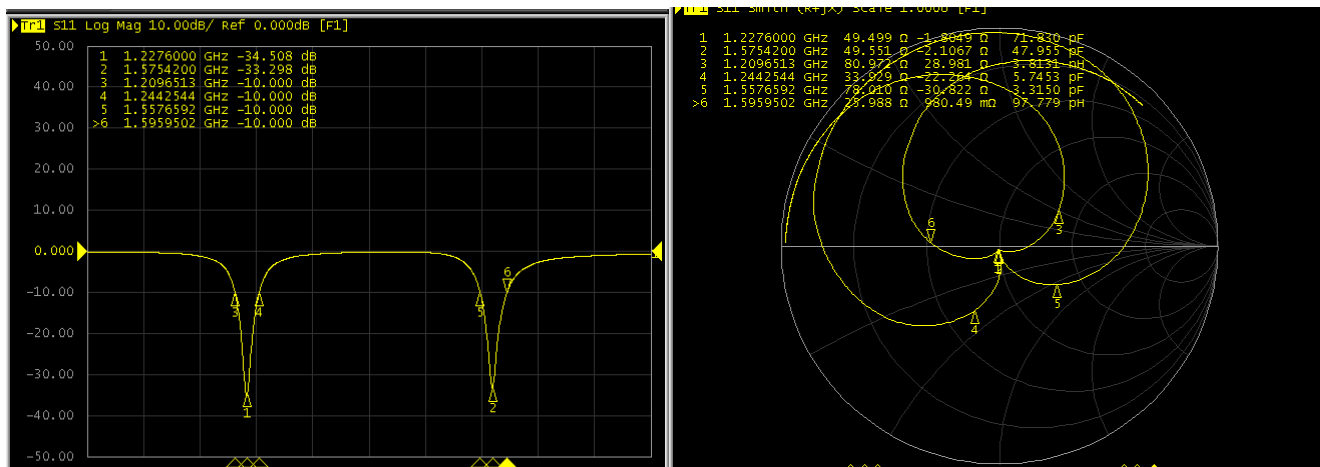
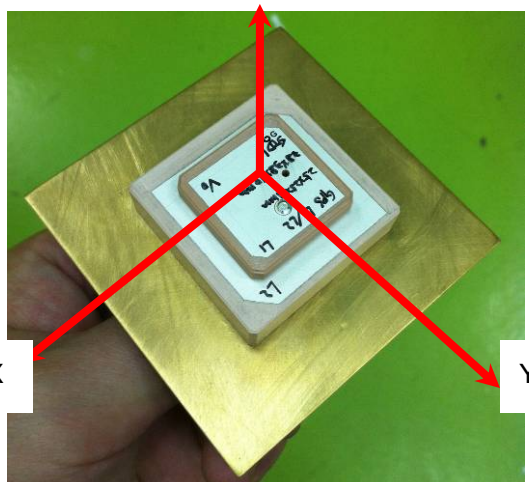
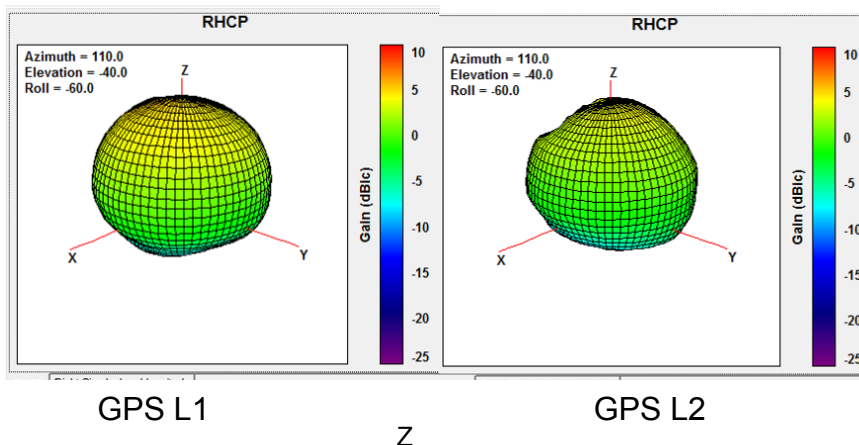


2. Patch Antenna Performance and Characteristic Data on 70x70 mm Ground

2.1 Smith Chart/S₁₁



2.2 3D Circular Polarization Gain Pattern: RHCP (Unit : dBic)



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±

SCALE : UNIT : mm

DRAWN BY : 詹雅萍 CHECKED BY : 馬敏勝

DESIGNED BY : 鄭大福 APPROVED BY : 曾源標

TITLE : PADGPS-I4H10G-101-17
 Engineering Specification

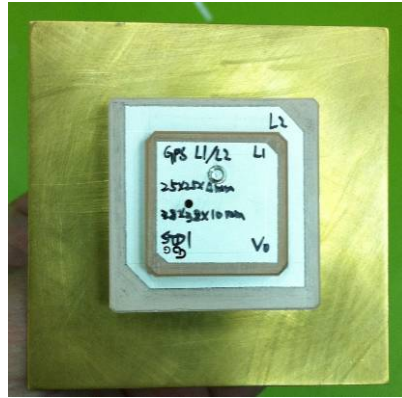


INPAQ TECHNOLOGY CO., LTD.

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

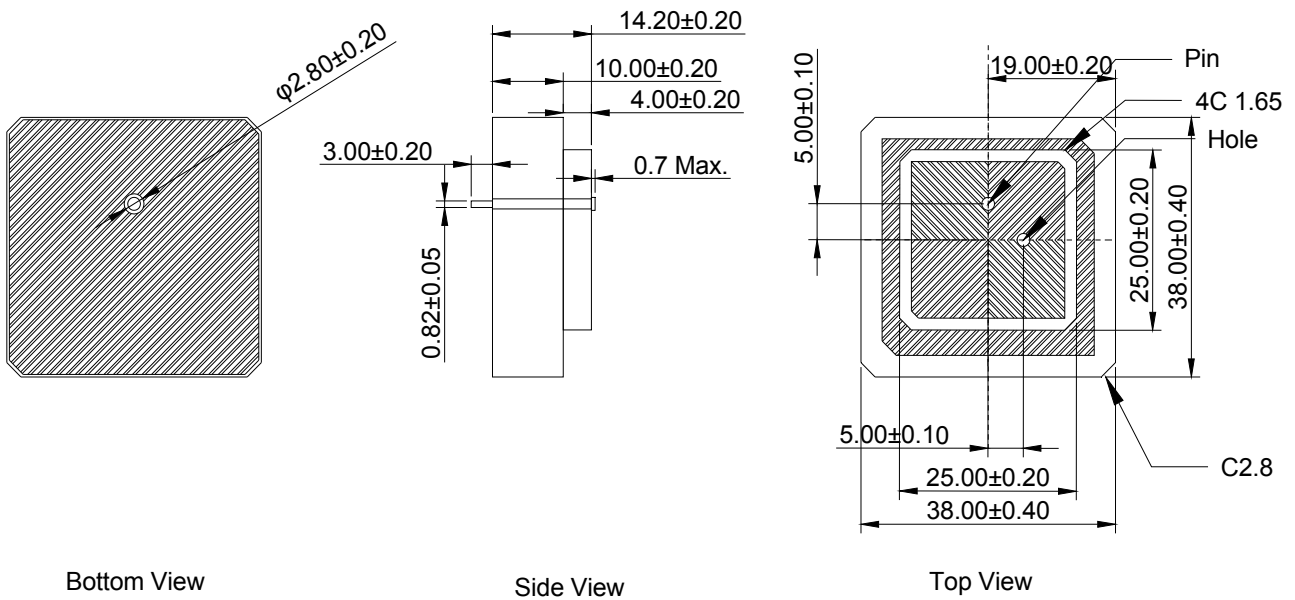
DOCUMENT NO.	ENS000061360	PAGE REV.
		P0

2.3 Antenna on 70x70 m Ground:



3. Dimension

Unit : mm



UNLESS OTHER SPECIFIED TOLERANCES ON :		 INPAQ TECHNOLOGY CO., LTD.
X=±	X.X=±	
ANGLES=±	HOLEDIA=±	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION
SCALE :	UNIT : mm	
DRAWN BY : 詹雅萍	CHECKED BY : 馬敏勝	
DESIGNED BY : 鄭大福	APPROVED BY : 曾源標	
TITLE : PADGPS-I4H10G-101-17 Engineering Specification		DOCUMENT NO. ENS000061360
		PAGE REV. P0

4. Typical Electrical Properties on INPAQ Test Ground

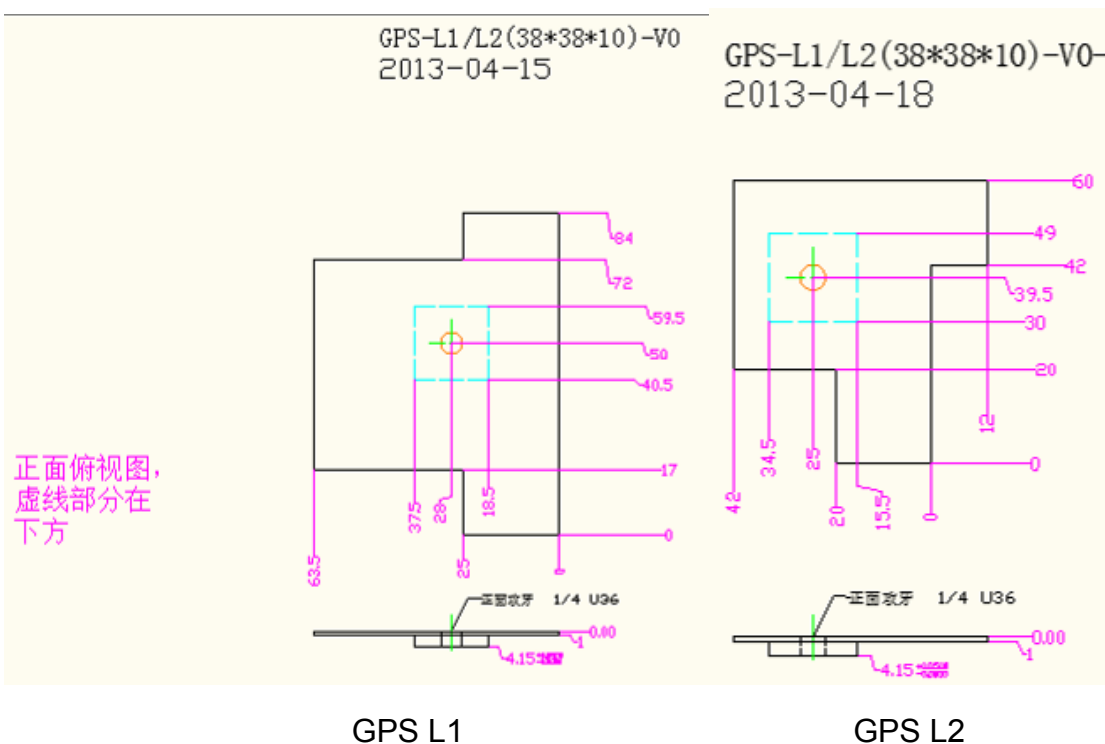
GPS L1:

Characteristics	Specification	Unit	Conditions
Center Frequency	1577.8 ± 3	MHz	By Test Ground Plane
Polarization	RHCP		By Test Housing
S11	< -20	dB	By Test Ground Plane
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C to +85°C

GPS L2:

Characteristics	Specification	Unit	Conditions
Center Frequency	1212.2 ± 3	MHz	By Test Ground Plane
Polarization	RHCP		By Test Housing
S11	< -20	dB	By Test Ground Plane
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C to +85°C

5. Test Condition Ground Plane



Unit: mm

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : UNIT : mm

DRAWN BY : 詹雅萍 CHECKED BY : 馬敏勝

DESIGNED BY : 鄭大福 APPROVED BY : 曾源標

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

TITLE : PADGPS-I4H10G-101-17
 Engineering Specification

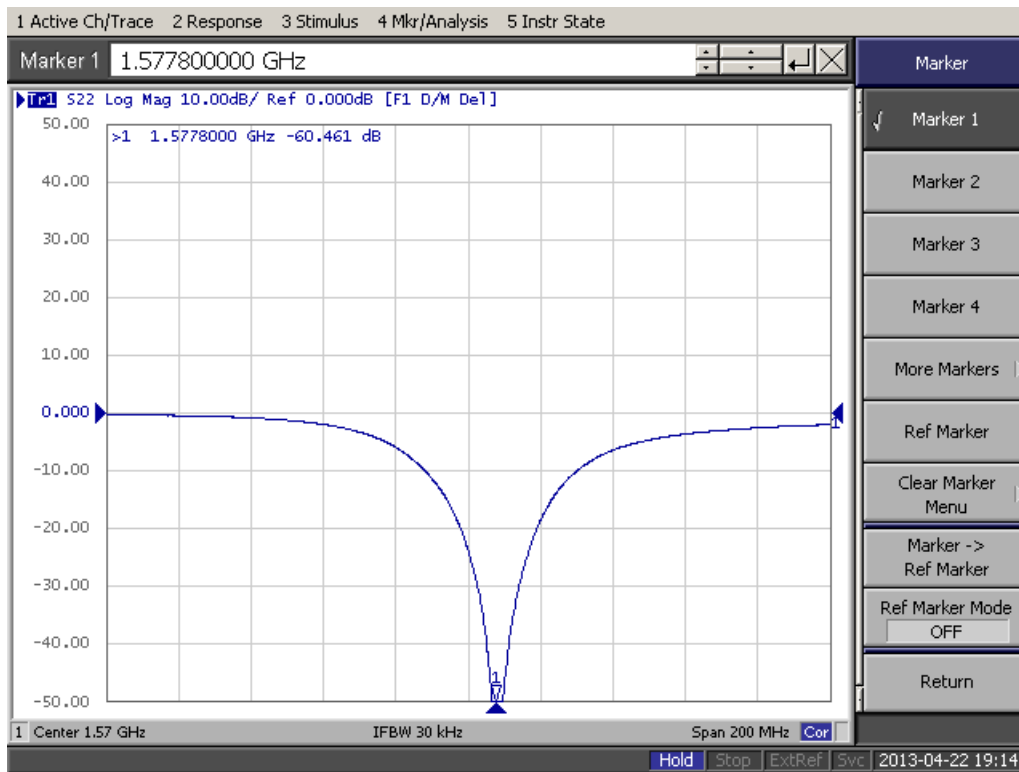
DOCUMENT
 NO.

ENS000061360

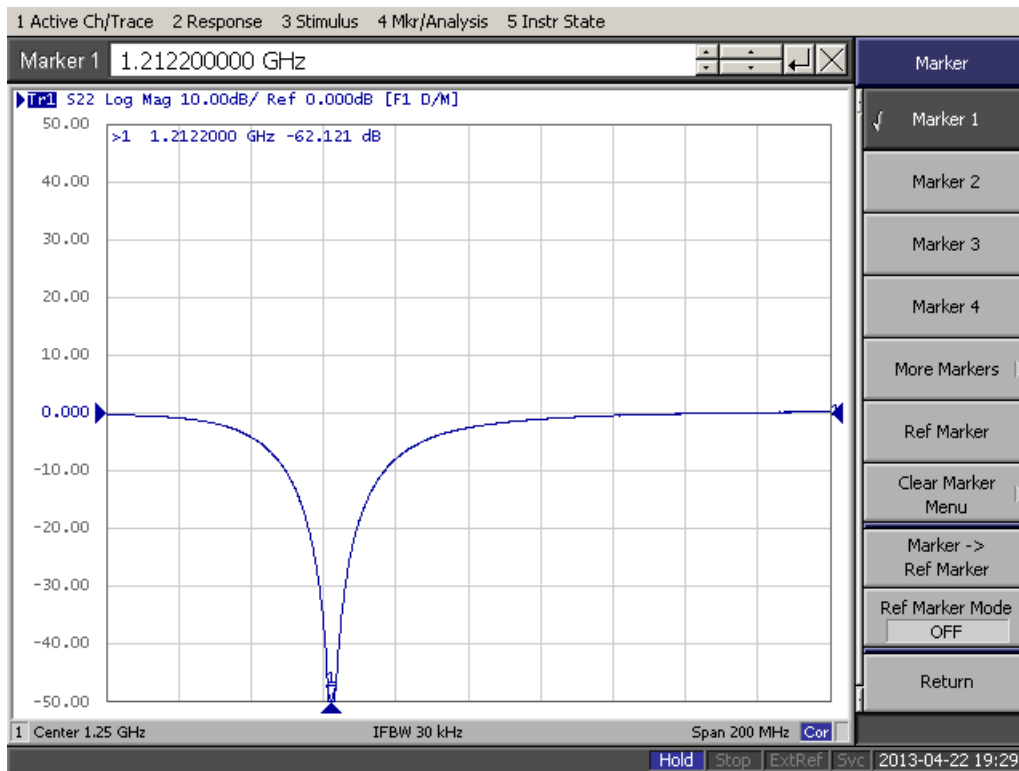
PAGE REV.
 P0

6. Return Loss Characteristics

GPS L1:



GPS L2:



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±

SCALE : UNIT : mm

DRAWN BY : 詹雅萍 CHECKED BY : 馬敏勝

DESIGNED BY : 鄭大福 APPROVED BY : 曾源標

TITLE : PADGPS-I4H10G-101-17
 Engineering Specification



INPAQ TECHNOLOGY CO., LTD.

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

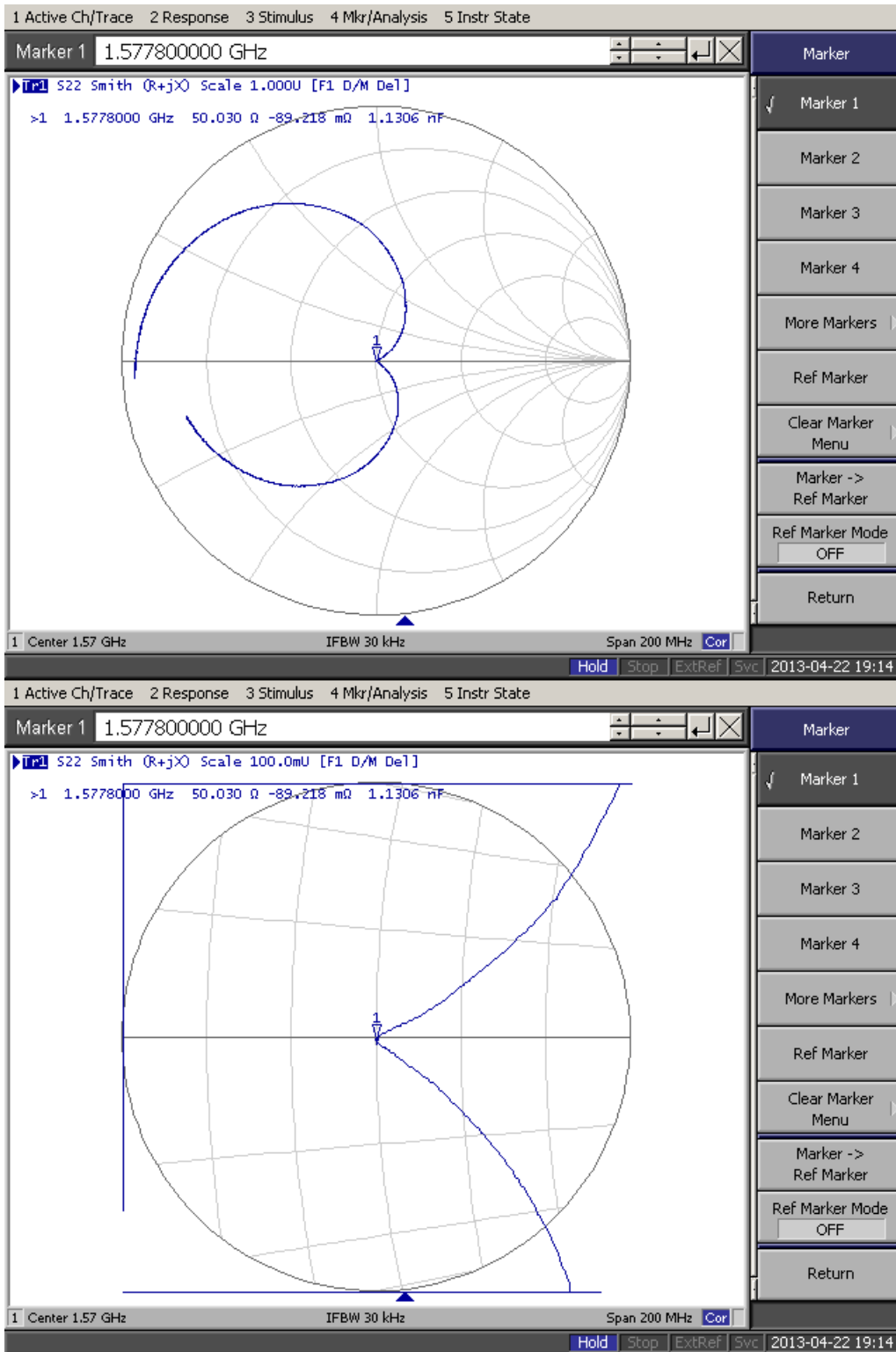
DOCUMENT NO.

ENS000061360

PAGE REV.
 P0

7. Measured Input Impedance on a Smith Chart

GPS L1:



UNLESS OTHER SPECIFIED TOLERANCES ON :	
X=±	X.X=±
ANGLES=±	X.XX=±
	HOLEDIA=±
SCALE :	UNIT : mm
DRAWN BY : 詹雅萍	CHECKED BY : 馬敏勝
DESIGNED BY : 鄭大福	APPROVED BY : 曾源標
TITLE : PADGPS-I4H10G-101-17 Engineering Specification	

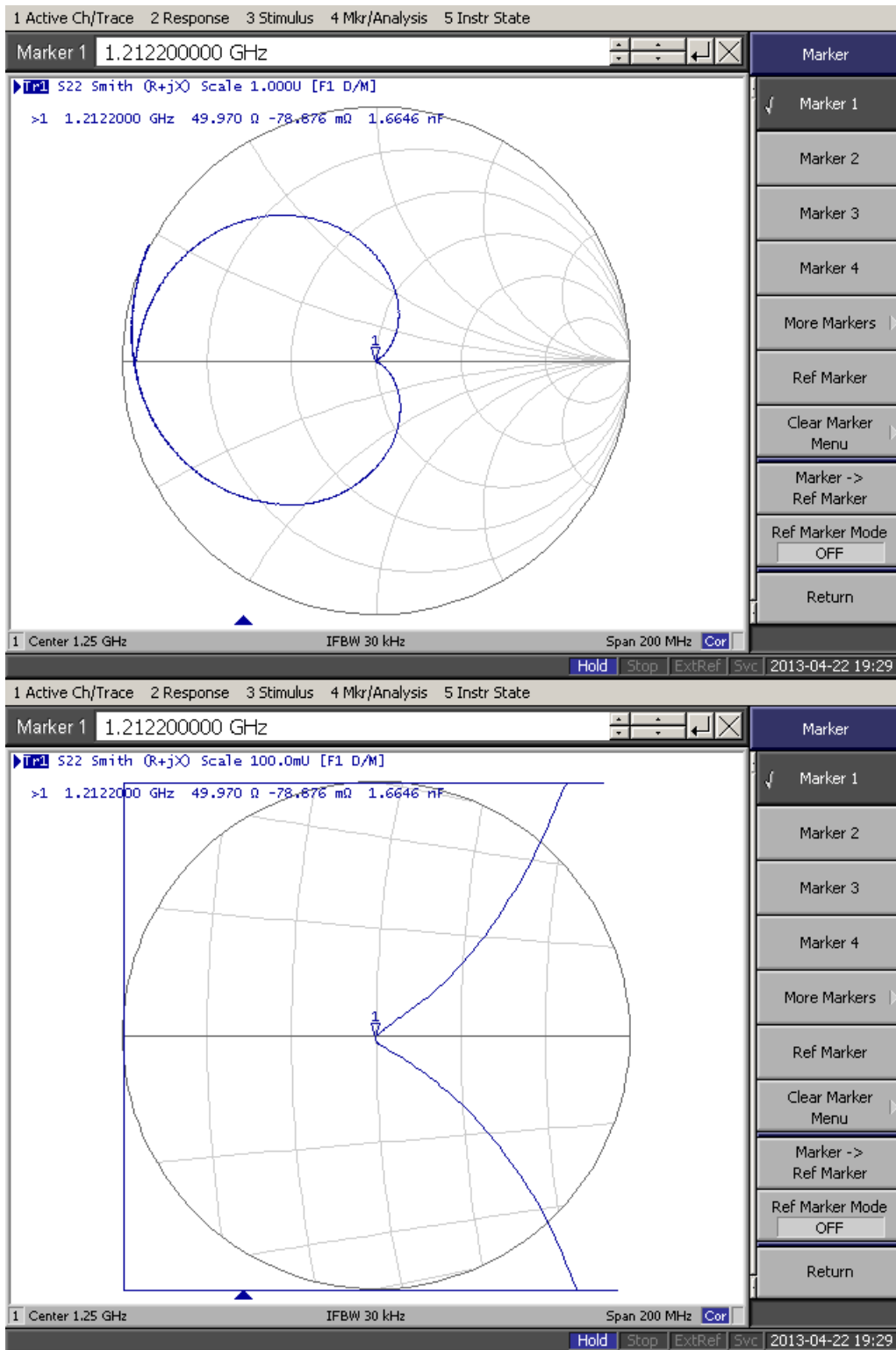


INPAQ TECHNOLOGY CO., LTD.

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

DOCUMENT NO.	ENS000061360	PAGE REV.
		P0

GPS L2:



UNLESS OTHER SPECIFIED TOLERANCES ON :	
X=±	X.X=±
ANGLES=±	X.XX=±
	HOLEDIA=±
SCALE :	UNIT : mm
DRAWN BY : 詹雅萍	CHECKED BY : 馬敏勝
DESIGNED BY : 鄭大福	APPROVED BY : 曾源標
TITLE : PADGPS-I4H10G-101-17 Engineering Specification	



INPAQ TECHNOLOGY CO., LTD.

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

DOCUMENT NO.	ENS000061360	PAGE REV.
		P0

8. Explanation of Appendix

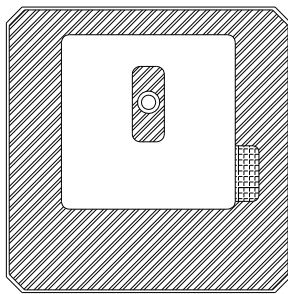
P A D G P S - I 4 H 1 0 G - 1 0 1 - 1 7
 (1) (2)

(1) Pin = 3 mm

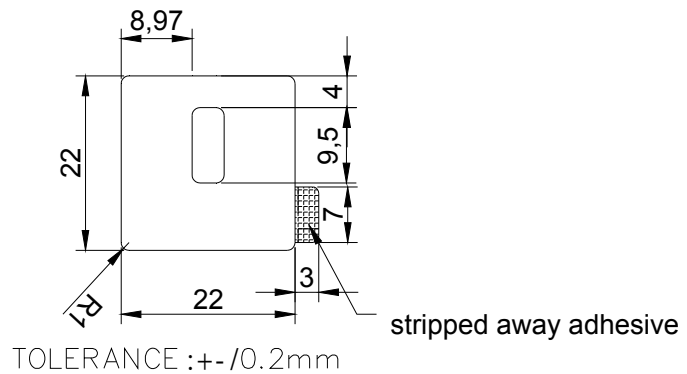
(2) Adhesive Tape for Customer 7 22x22mm

Adhesive Transfer Tape Specification

- 2.1 TAPE : Nitto 5000NS 22x22x0.16mm
- 2.2 Thickness : 0.16 mm
- 2.3 Release Liner : 0.1mm (typ.) printed paper or paper
- 2.4 Dimension : mm



Unit:mm



stripped away adhesive

TOLERANCE : +/- /0.2mm

UNLESS OTHER SPECIFIED TOLERANCES ON :	
X=±	X.X=±
ANGLES=±	X.XX=±
	HOLEDIA=±
SCALE :	UNIT : mm
DRAWN BY : 詹雅萍	CHECKED BY : 馬敏勝
DESIGNED BY : 鄭大福	APPROVED BY : 曾源標
TITLE : PADGPS-I4H10G-101-17 Engineering Specification	



INPAQ TECHNOLOGY CO., LTD.

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION		
DOCUMENT NO.	ENS000061360	PAGE REV. P0