

PATGPS-I6H10G-102-1ZM

Engineering Specification

1. Typical Electrical Properties :

GPS L1 :

Characteristics	Specification	Unit	Conditions
Frequency	1560-1610	MHz	Note : (1)
Zenith Gain	2.1 typ.	dBic	Note : (1)
S ₁₁	≤ -10	dB	Note : (1)
Polarization	RHCP		
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C to +85°C

GPS L2 :

Characteristics	Specification	Unit	Conditions
Frequency	1202-1252	MHz	Note : (1)
Zenith Gain	3.1 typ.	dBic	Note : (1)
S ₁₁	≤ -10	dB	Note : (1)
Polarization	RHCP		
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C to +85°C

Note : (1) Patch Antenna is located on 70x70 mm Ground
 PATGPS-I6H10G-102-1ZM, G : Green parts (RoHS compliance)
 -102 are the code of project number, -1ZM show of appendix

UNLESS OTHER SPECIFIED TOLERANCES ON :

X= X.X= X.XX=

ANGLES= HOLEDIA=

SCALE : UNIT : mm

DRAWN BY:王瑞娟 CHECKED BY:馬敏勝

DESIGNED BY:賴右城 APPROVED BY:謝立庭



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 ENGINEERING SPECIFICATION

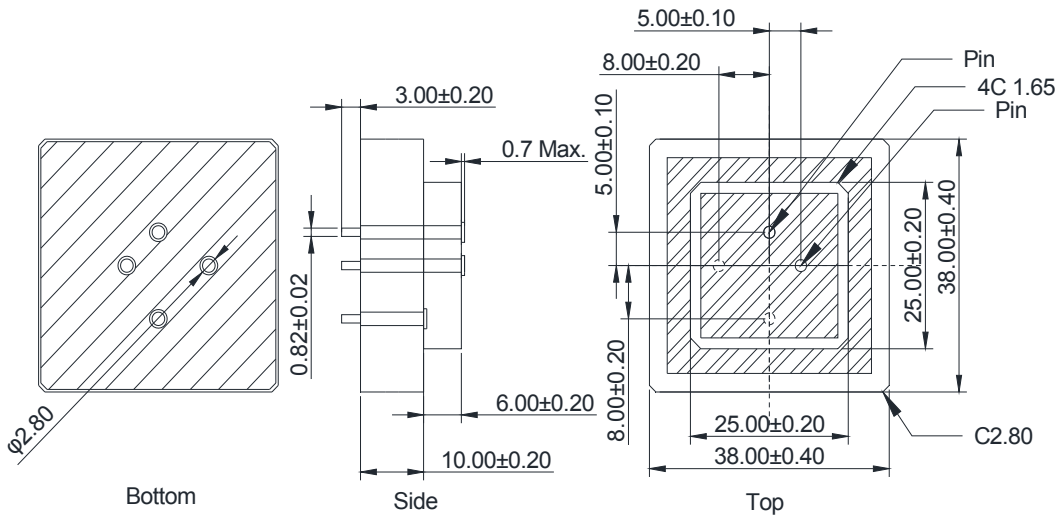
DOCUMENT
 NO.

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SPEC REV.

P0

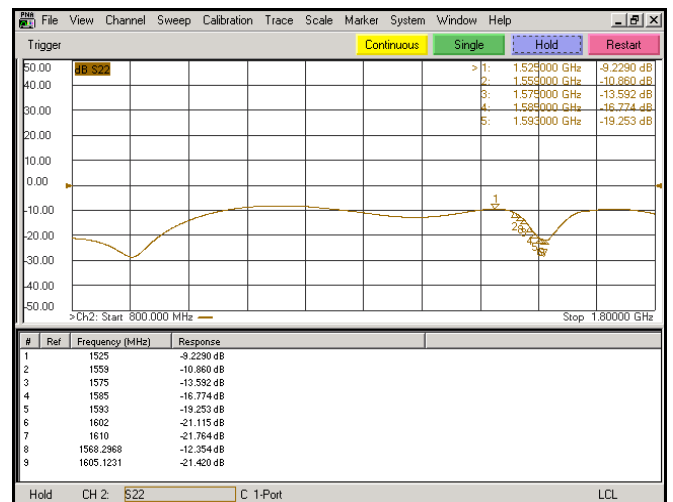
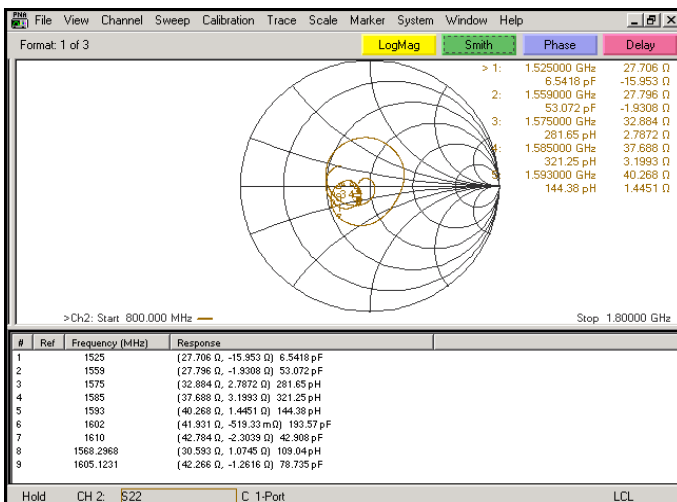
2. Dimension :



3. Patch Antenna Performance and Characteristic Data on 70x70 mm

Ground :

3.1 Smith Chart/S₁₁



L1 Frequency

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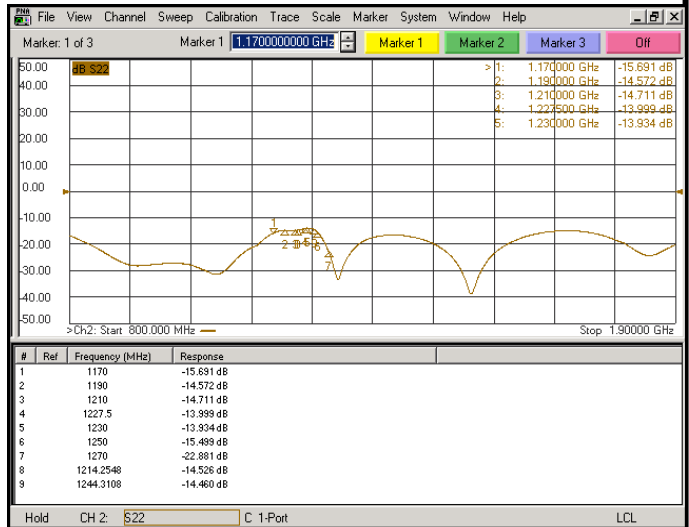
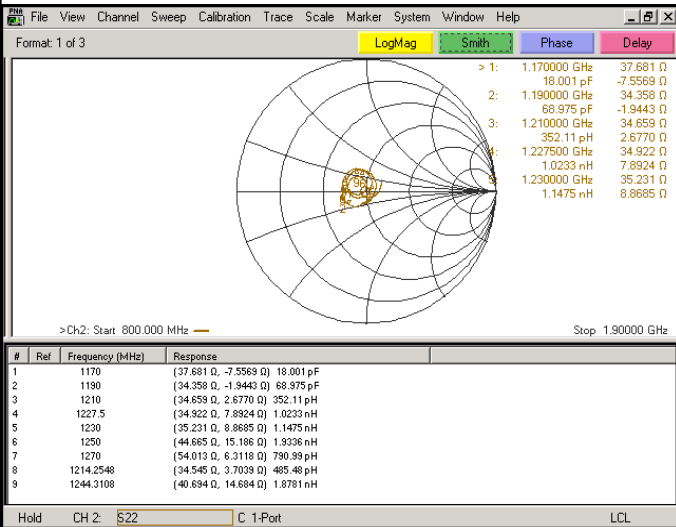
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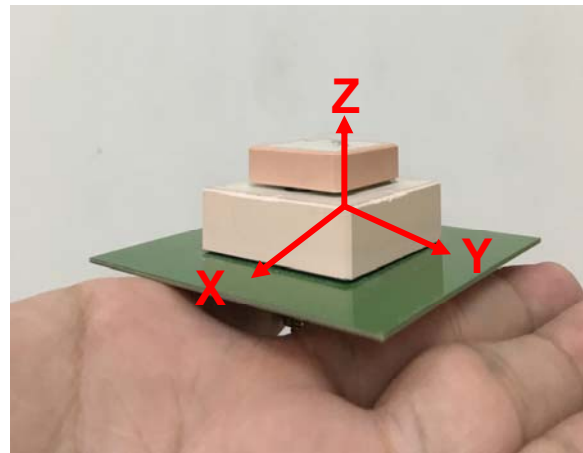
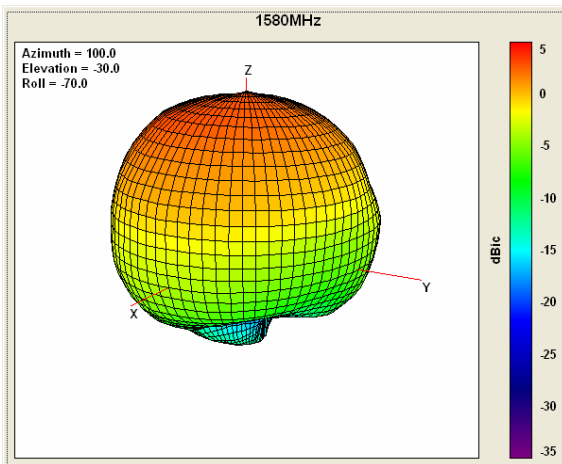
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L2 Frequency

3.2 3D Circular Polarization Gain Pattern : RHCP (Unit : dBic)

GPS L1 (1580MHz) :



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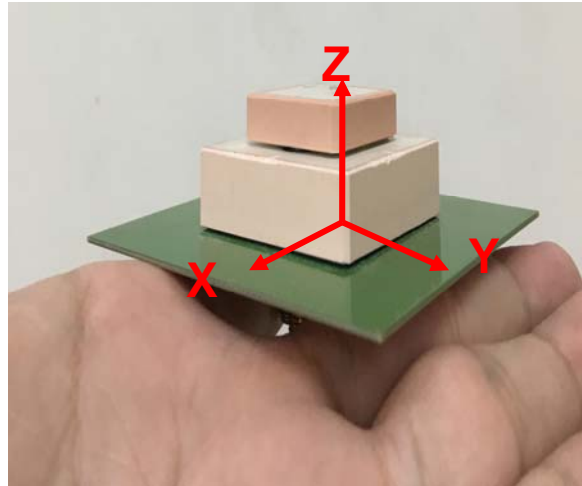
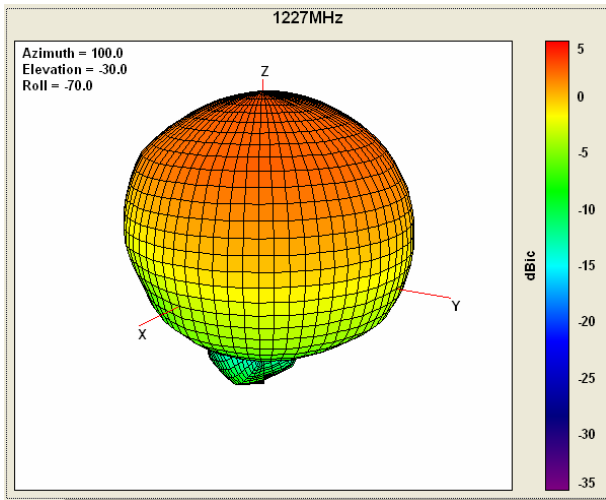
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GPS L2 (1227MHz) :



4. Explanation of Appendix :

PATGPS-I6H10G-102-1 Z M

(1) (2) (3)

(1) Pin = 3 mm

(2) Adhesive Tape for Customer [Z] 32x32mm

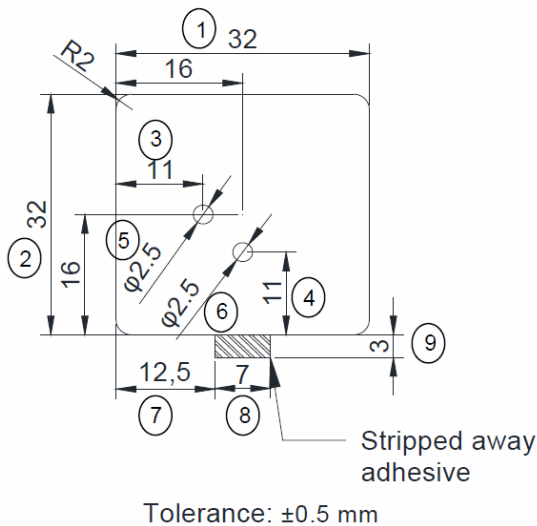
Adhesive Transfer Tape Specification

2.1 TAPE : Nitto 5000NS 32x32x0.16mm

2.2 Thickness : 0.16mm

2.3 Release Liner : 0.1mm (typ.) printed paper or paper

2.4 Dimension : mm



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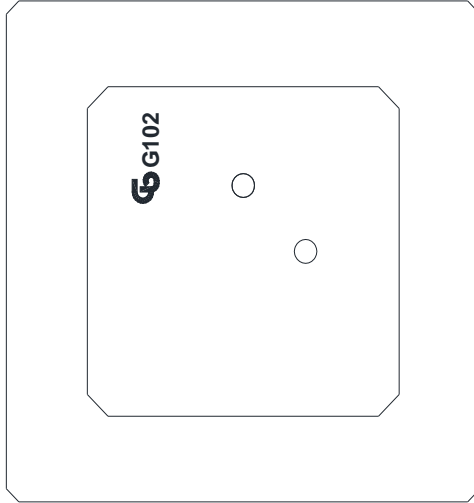
(3) Option appendix M **Marking**

Marking configuration

3.1 Logo G for INPAQ Logo

3.2 Type G for green product antenna

3.3 Three digits 102 are the code of our project number



Patch top electrode

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SCALE :	UNIT : mm		
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			SPEC REV. P0