

PA1590MI3G-100-27M

Engineering Specification

1. Typical Electrical Properties

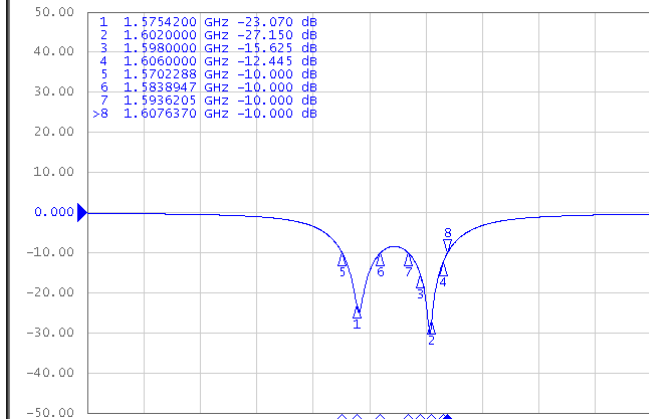
Frequency (MHz)	S ₁₁ (dB)	Peak Gain (dBic)	R.H.C.P. Efficiency (%)
1575.42	-23.07	3.39	54.02
1602	-27.15	4.51	59.67

Note : (1) Patch Antenna is Located on Garmin 100x100 mm Ground
 PA1590MI3G-100-27M, G : Green parts (RoHS compliance)
 -100 are the code of project number, -27M show of appendix

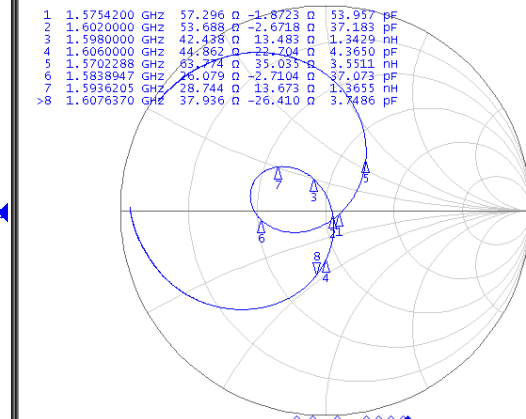
2. Patch Antenna Performance and Characteristic Data on 70x70 mm Ground

2.1 Smith Chart/Return Loss

S11 Log Mag 10.00dB/ Ref 0.000dB [F1]



Smith Chart (Log Mag 10.00dB [F1])



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

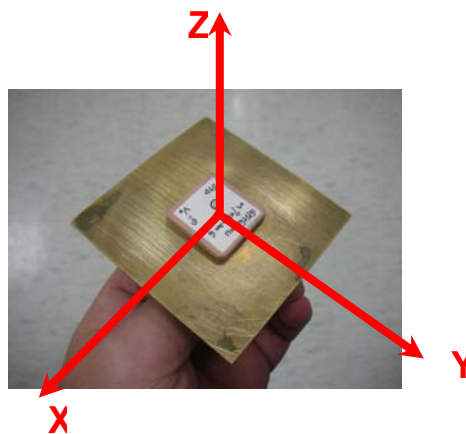
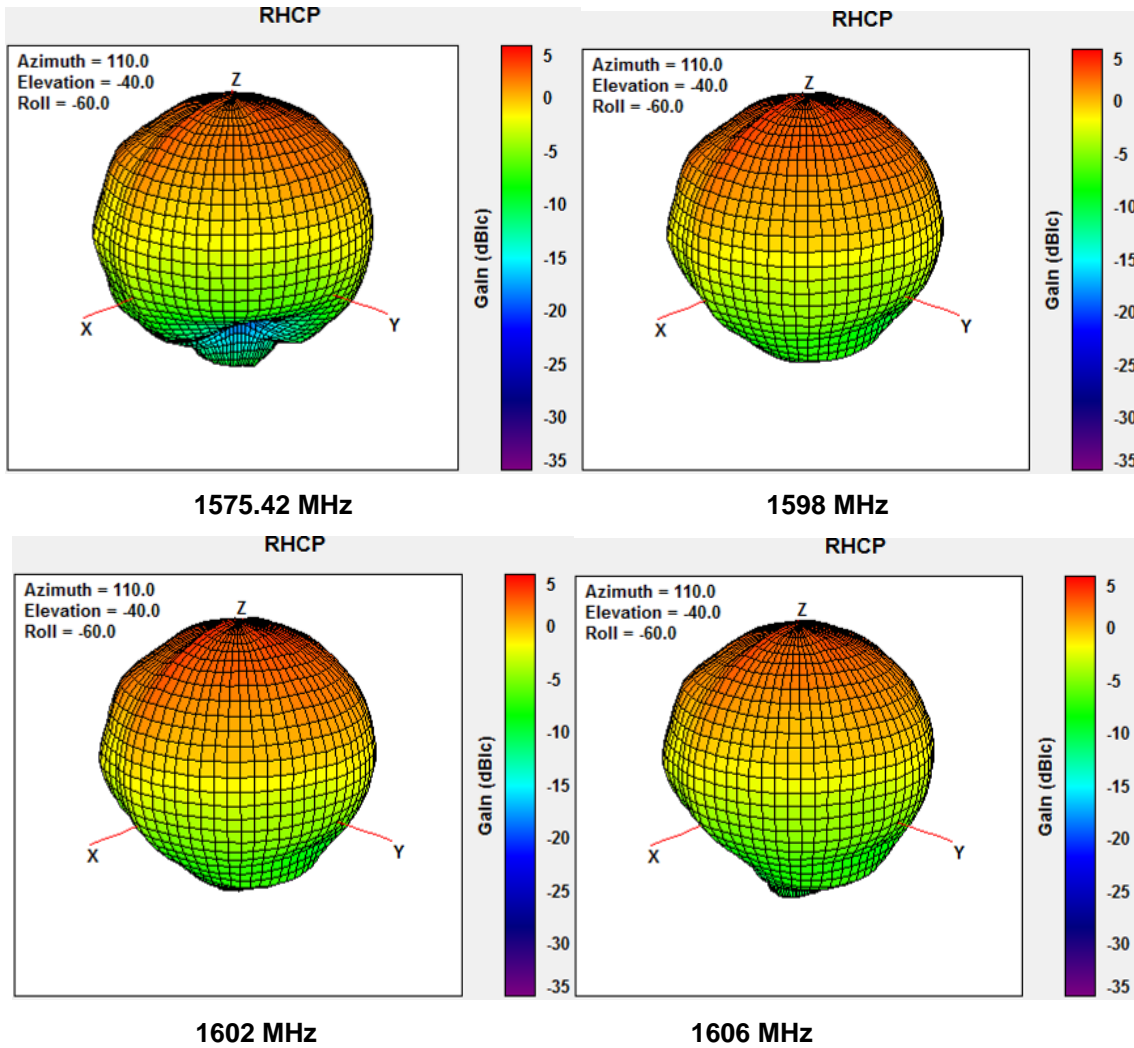
TITLE : PA1590MI3G-100-27M
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2.2 Gain Pattern (Unit : dBic)

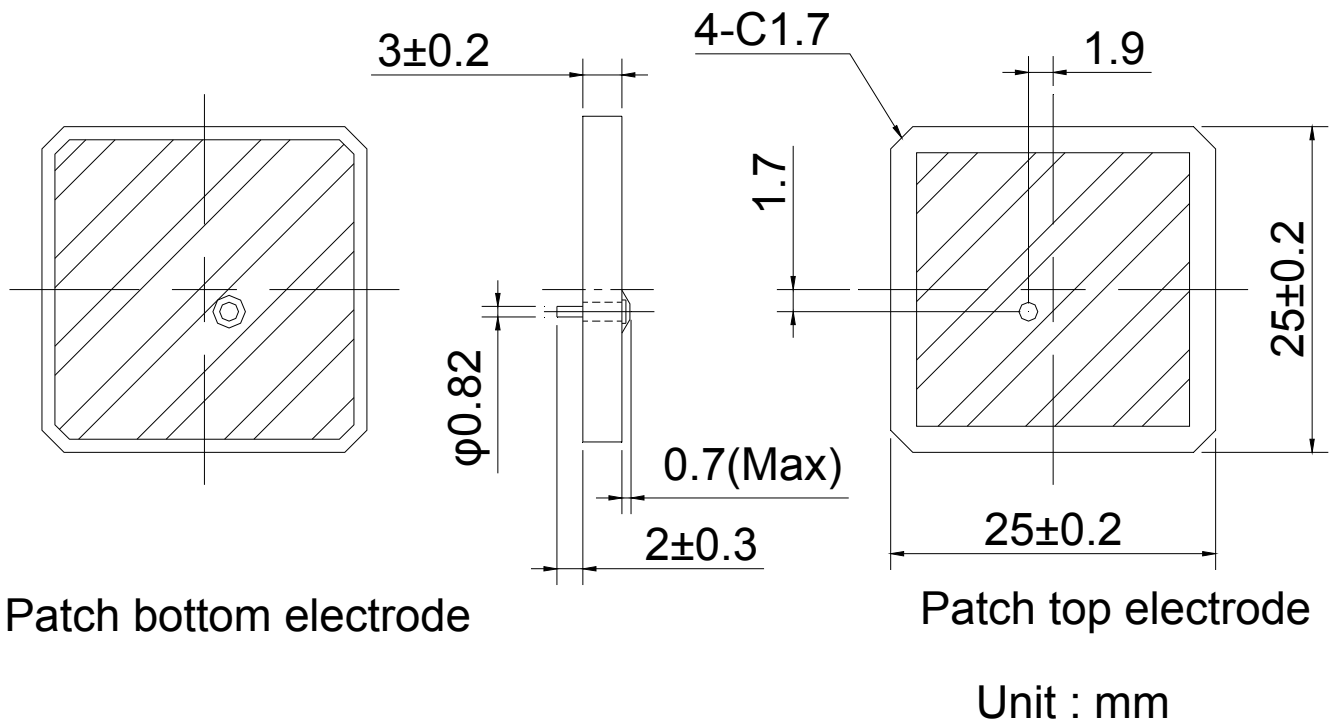



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2.3 Antenna Direction



3. Dimension :



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4.Explanation of Appendix

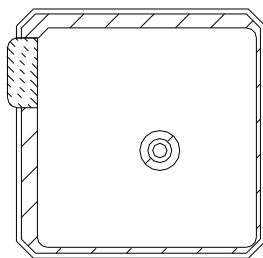
P A 1 5 9 0 M I 3 G - 1 0 0 - 2 7 M
| | |
(1)(2)(3)

(1) Pin Length = 2 mm

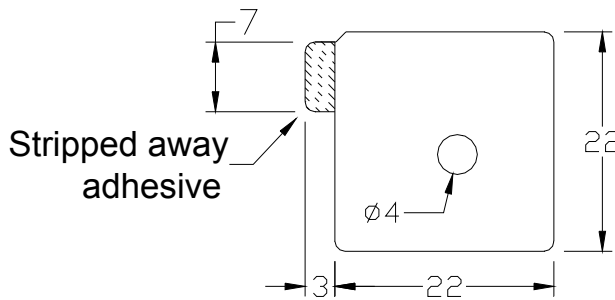
(2) Adhesive Tape 7 22x22mm

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



Patch bottom



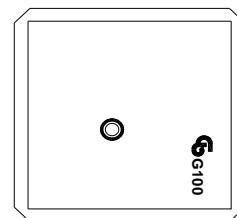
Tolerance : ±0.5mm

(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 are the code of our project number

100



Patch top electrode

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