

Description: 25254 GNSS-GPS
&GLONASS&BEIDOU Patch Antenna
PART NUMBER: ANT2525B00FTGNSS

Features:

- Size : 25x25x4 mm
- Support BD2 & GPS & Glonass
- High radiation efficiency
- Pin-solder process
- RoHS compliant



Applications:

- Navigation device
- Telematics box
- Fleet management

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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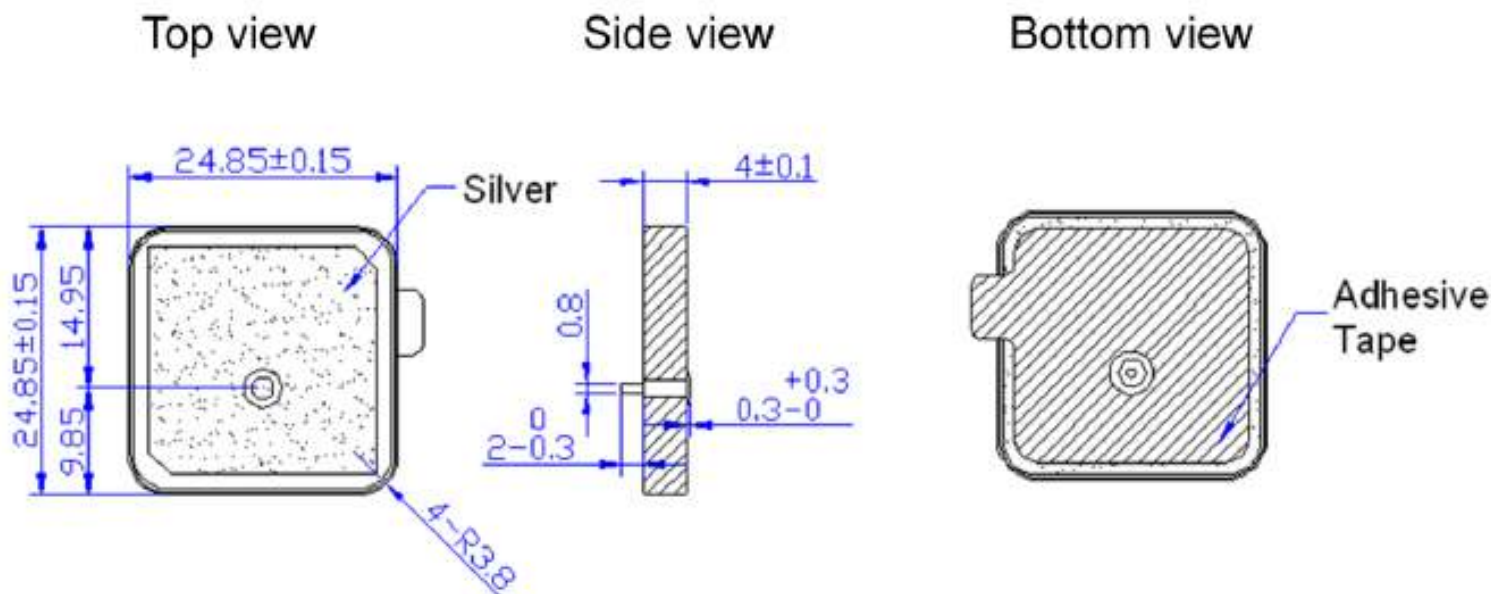
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ELECTRICAL SPECIFICATIONS

| | |
|------------------------------|----------------------------------|
| Working Frequency | 1559~1610 MHz |
| Gain | 5.16 dBic (Typ.) |
| VSWR./Return Loss | 2.0 Max. /10.0 dB Min |
| Polarization | Right Hand Circular Polarization |
| Axis Ratio | ≤ 12 dB |
| Impedance | 50 Ω |
| Operating Temperature | - 40~105 °C |

- NOTE
1. Based on 70×70 mm² square ground plane.
 2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.
 3. Please contact local sales if you need customized design to gain optimum antenna performance.

MECHANICAL DRAWING



In the effort to improve our products, we reserve the right to make changes judged to be necessary.

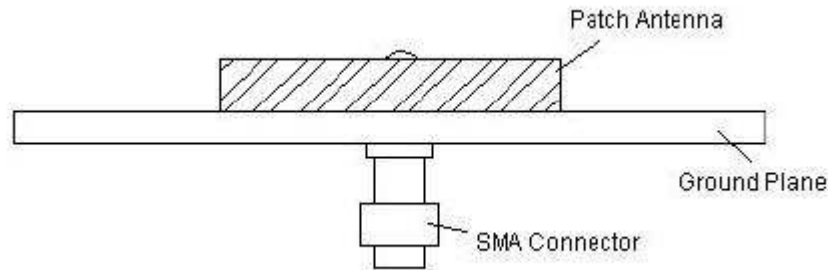
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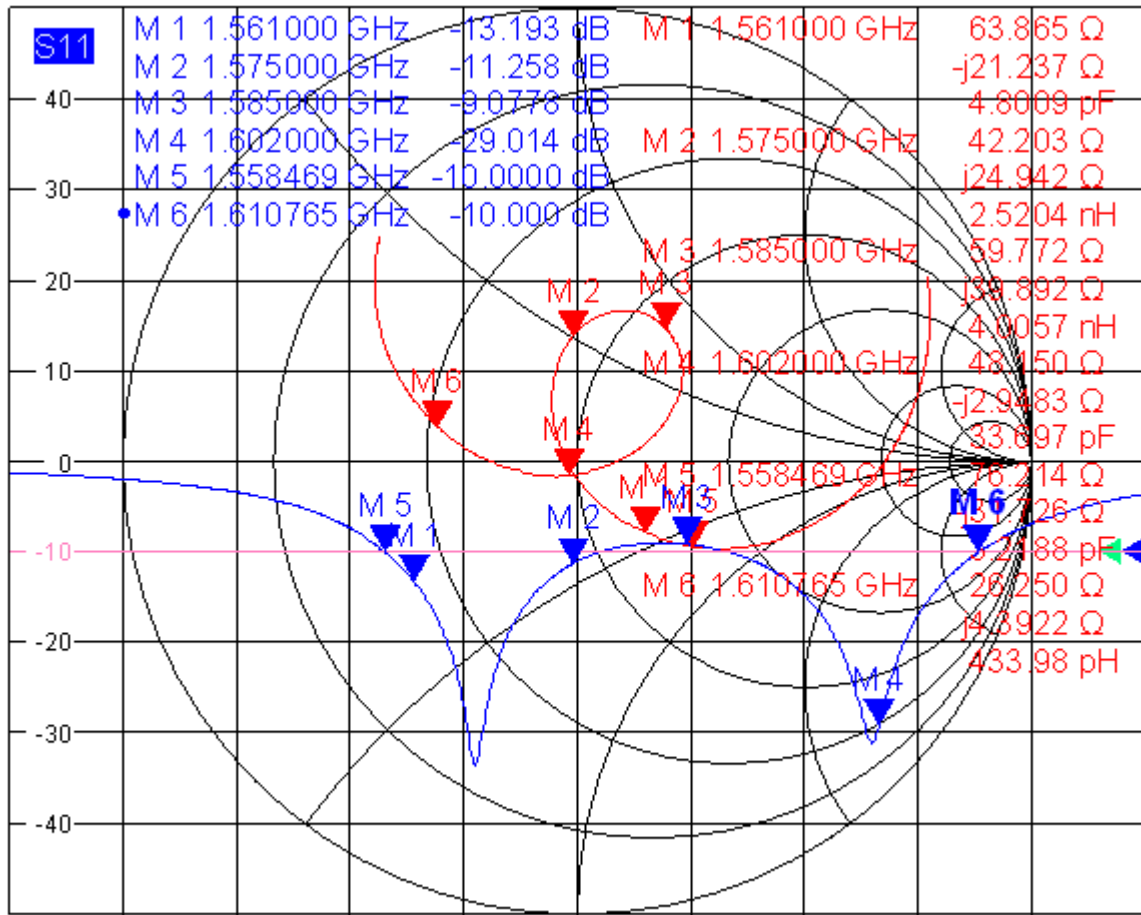
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REFERENCE DESIGN OF EVALUATION BOARD



GND plane size: 70 *70 mm²

Evaluation Board



Ch1 Center 1.57542 GHz Pwr 0 dBm Span 100 MHz

Return Loss

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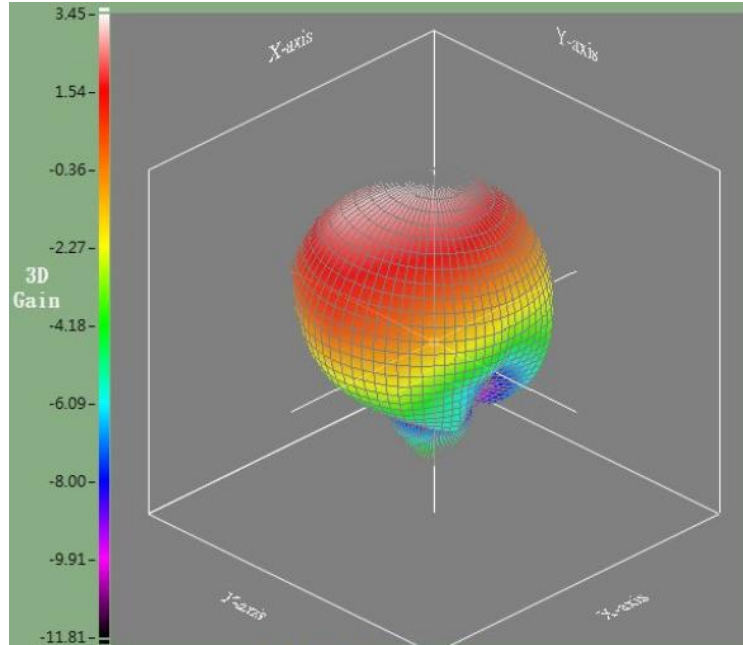


Fig. 4 Radiation Pattern (Frequency = 1559 MHz)

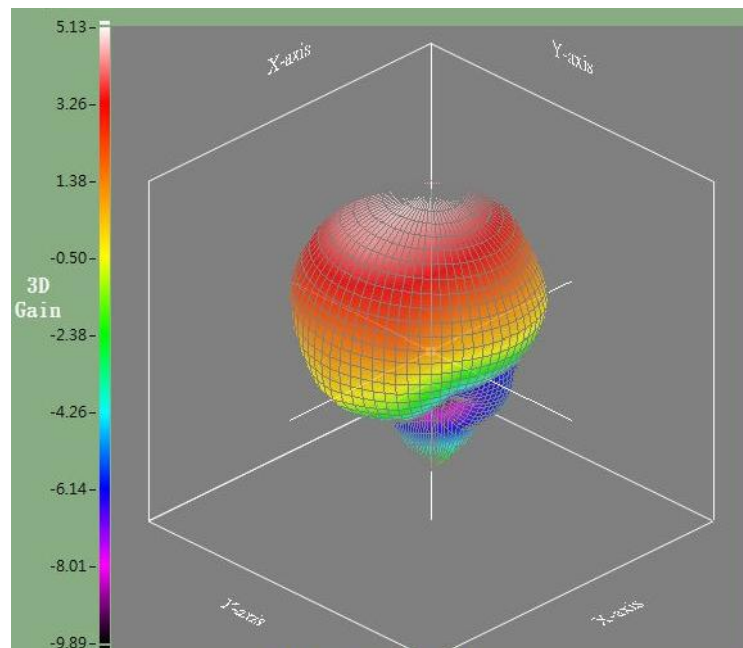


Fig 5 Radiation Pattern (Frequency = 1575 MHz)

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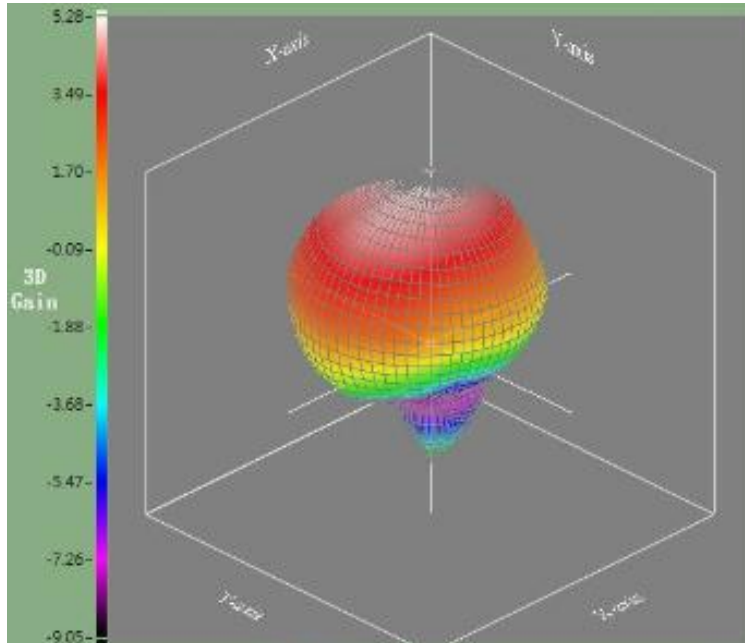


Fig. 6 Radiation Pattern (Frequency = 1585 MHz)

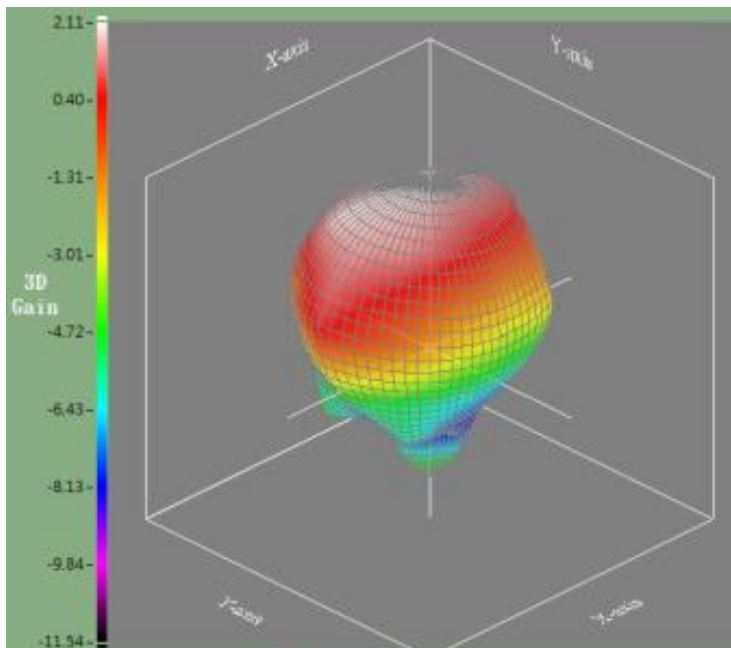


Fig 7 Radiation Pattern (Frequency = 1602 MHz)

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REVISION HISTORY

| Revision | Date | Description |
|-----------|---------------|-------------|
| Version 1 | Oct. 14, 2020 | - New issue |

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