Pulse A YAGEO Company | LARSEN Antennas

TECHNICAL DATA SHEET

Description: 25254 GPS&GLONASS Patch Antenna

PART NUMBER: ANT2525B00FT1516S

Features:

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

Applications:

- Navigation device
- Telematics box
- Fleet management

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Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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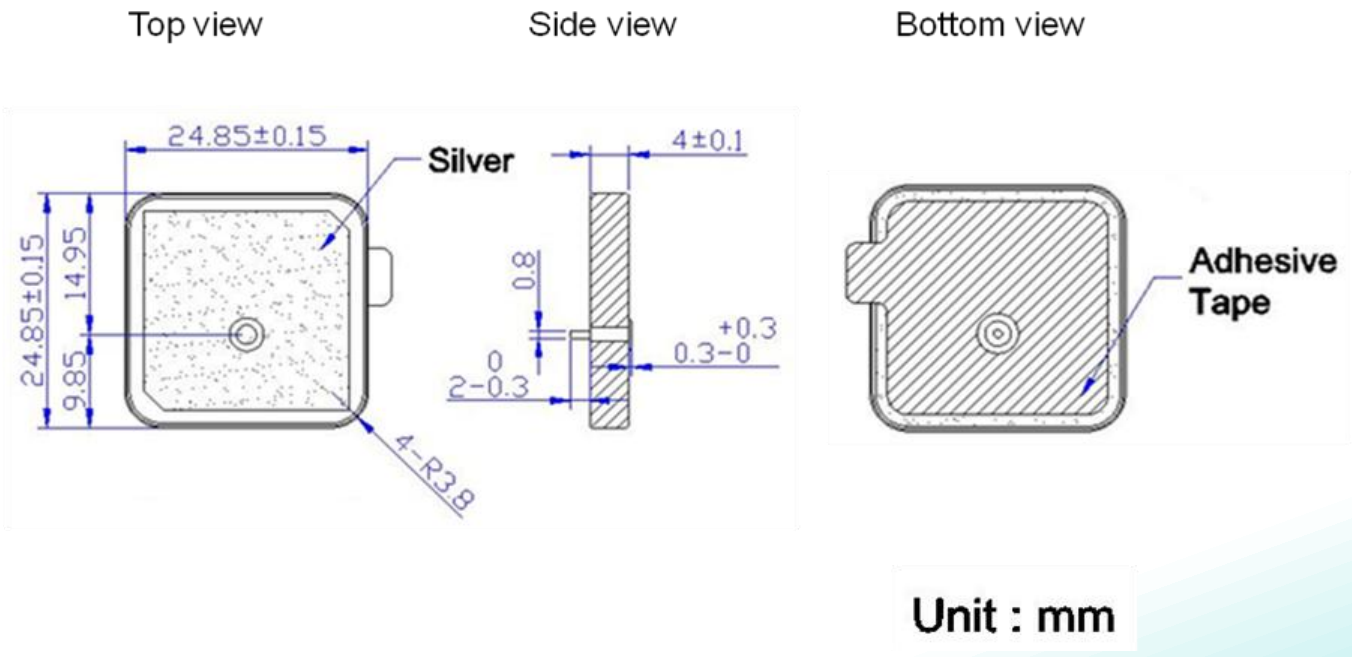
ELECTRICAL SPECIFICATIONS

Working Frequency	1575~1606 MHz
Bandwidth	GPS: 20 MHz(Typ.) GLOASS: 20 MHz(Typ.)
Gain	GPS: 4.97 dBi (Typ.) GLONASS: 4.66 dBi (Typ.)
VSWR. /Return Loss	2.0 Max /10.0 dB Min
Polarization	RHCP
Axis Ratio	≦10 dBi
Impedance	50 Ω
Operating Temperature	- 40~105 ℃

NOTE
1. Based on 50 x 50mm² 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



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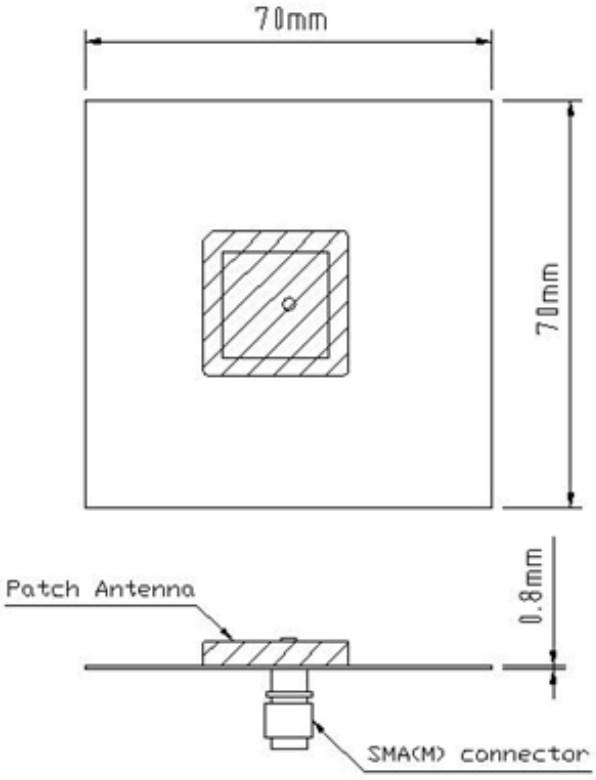
REFERENCE DESIGN OF EVALUATION BOARD



Evaluation Board

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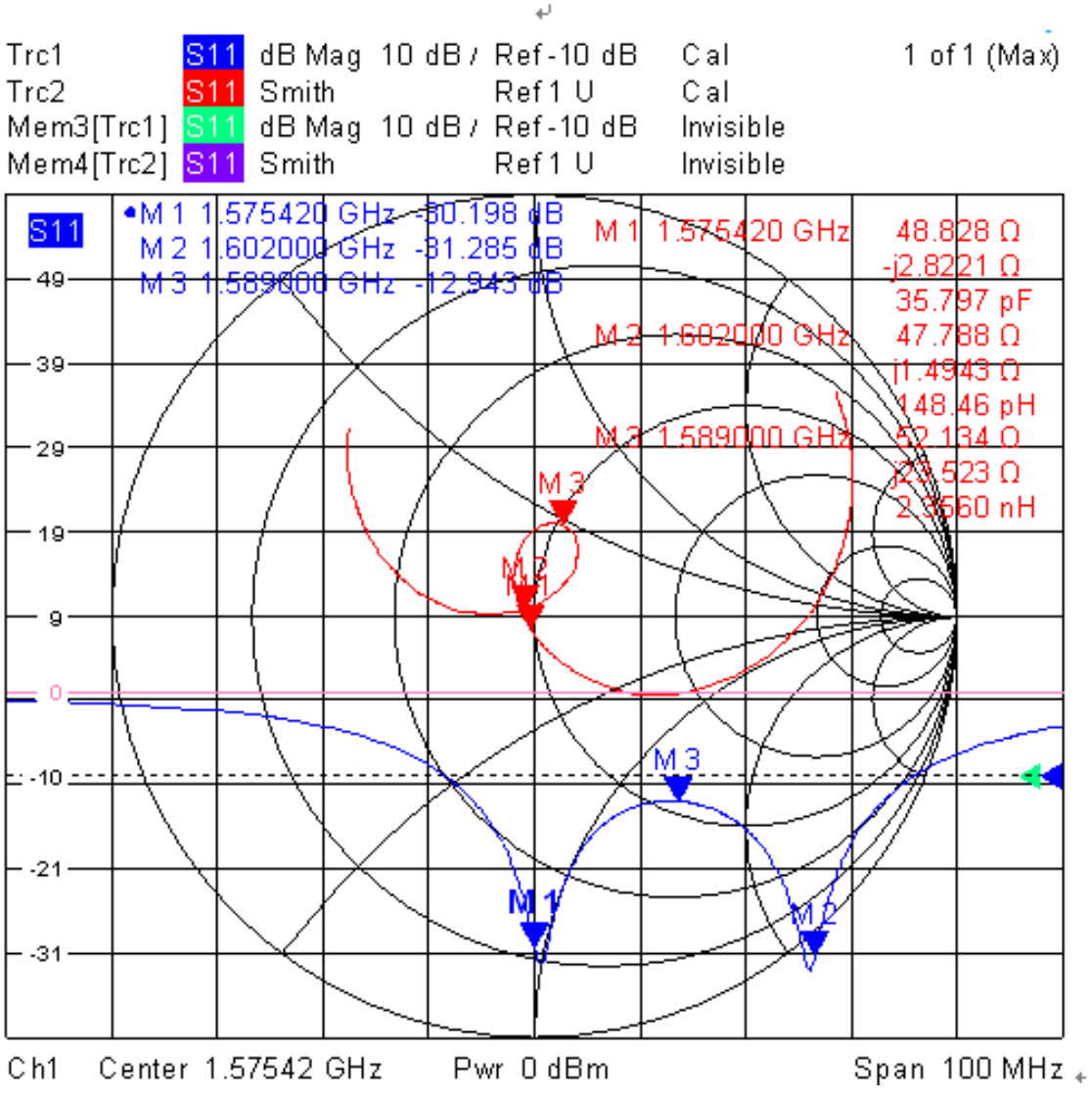

Return Loss

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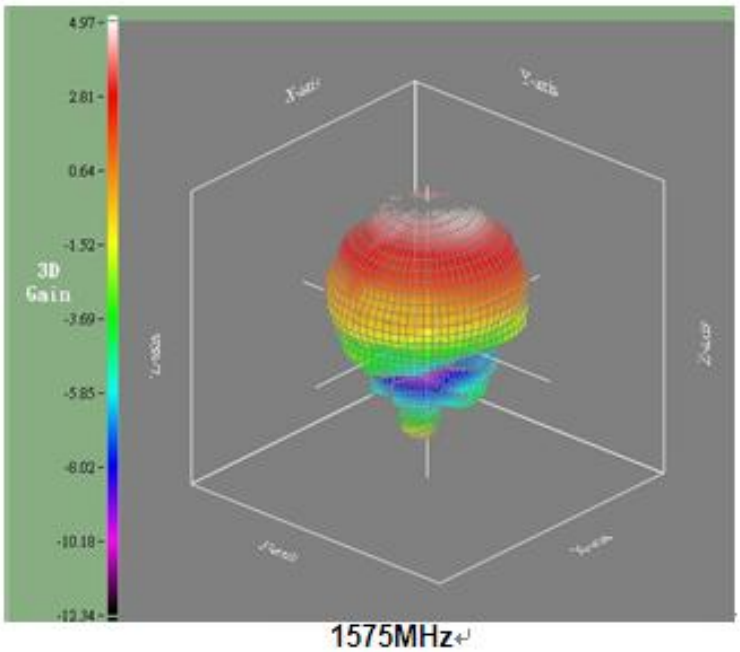
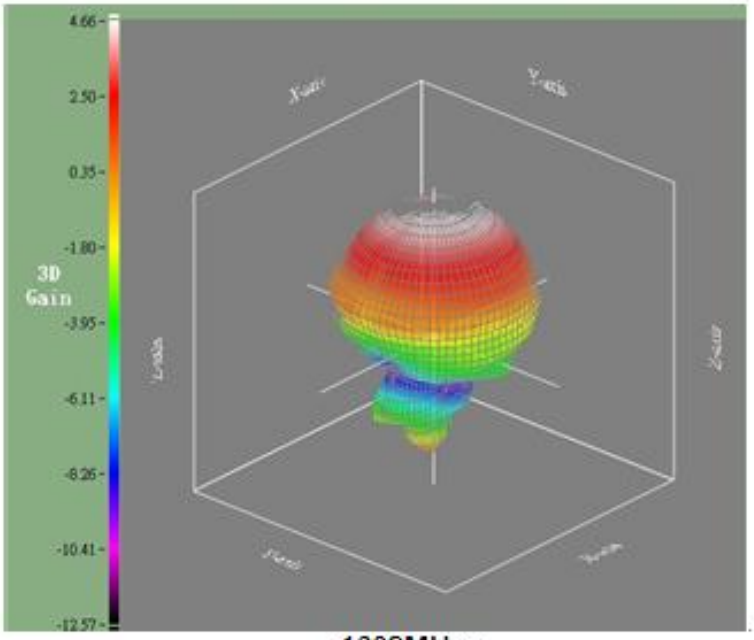
ELECTRICAL PERFORMANCES



1575MHz

Radiation Pattern (Frequency = 1575MHz)



1602MHz

Radiation Pattern (Frequency = 1602MHz)