

Description: 1204 GNSS (GPS & GLONASS & BEIDOU) Chip Antenna

PART NUMBER: ANT1204LL04RGNSSA

Features:

- Size : 12.0x4.0x1.1 mm
- Omni-directional radiation
- GNSS (GPS&GLONASS&BDS) design
- Tape & reel automatic mounting
- Reflow process compatible
- RoHS compliant



Applications:

- Navigation device
- GNSS band equipment

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

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ELECTRICAL SPECIFICATIONS

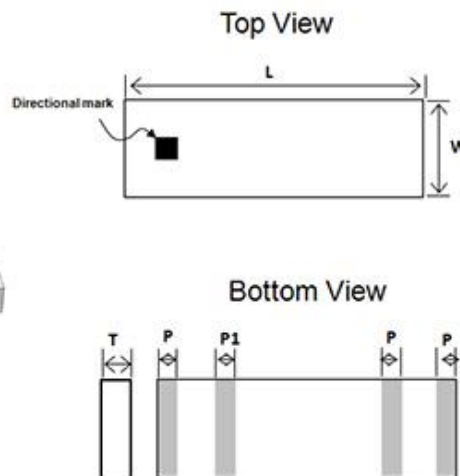
Working Frequency	1.55-1.61 GHz
Bandwidth	90 MHz(Typ.)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	2.32 dBi(Typ.)
Impedance	50 Ω
Operating Temperature	- 40~105 °C
Maximum Power	1 W
Termination	Ag (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260°C , 5sec.

NOTE

1. The specification is defined on Pulse evaluation board

MECHANICAL DRAWING

	Dimension
L (mm)	12.0 ±0.20
W (mm)	4.00 ±0.20
T (mm)	1.10 ±0.20
C(mm)	0.80 ±0.20



Terminal name	Function
P1	Feeding Point
P	Soldering Point

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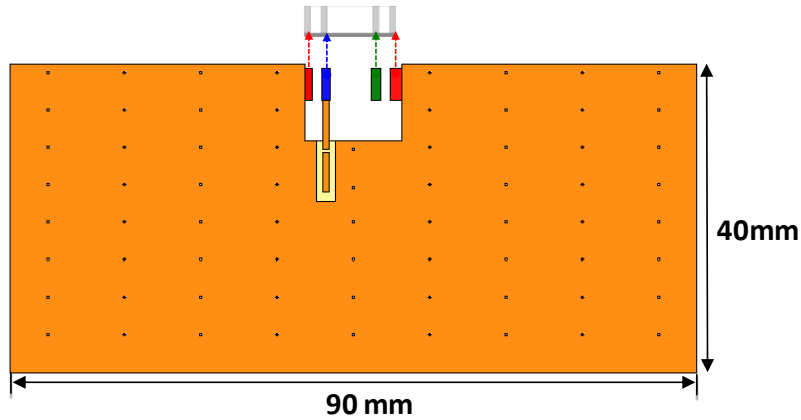
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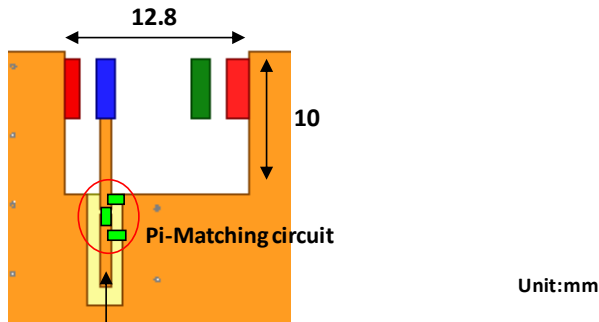
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REFERENCE DESIGN OF EVALUATION BOARD

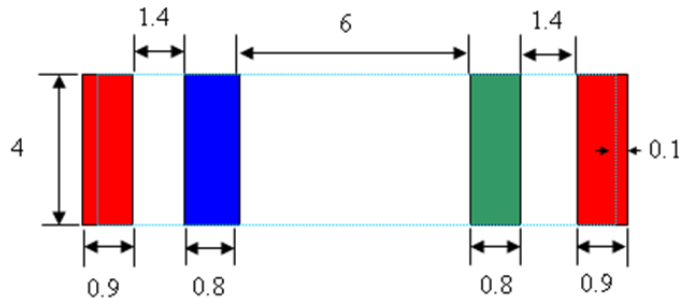


Clearance size :12.8*10 mm



50 ohm feeding

Outlook and dimension of evaluation board



Footprint

- Footprint (connect to ground)
- Footprint for Feeding
- Soldering Pad
- Antenna outline

Unit: mm

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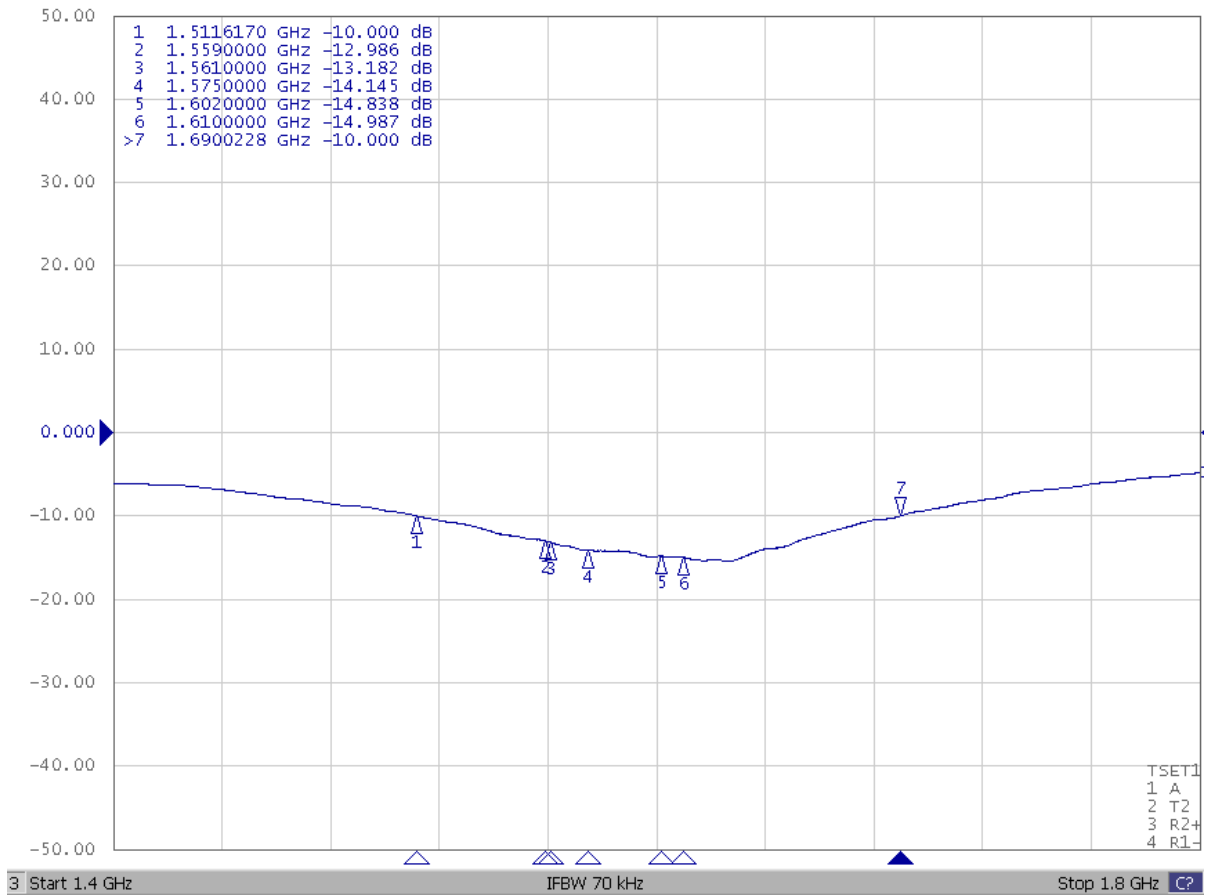
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ELECTRICAL PERFORMANCES



Return loss

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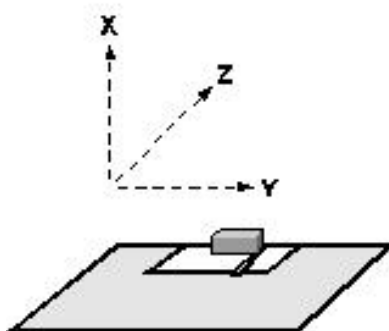
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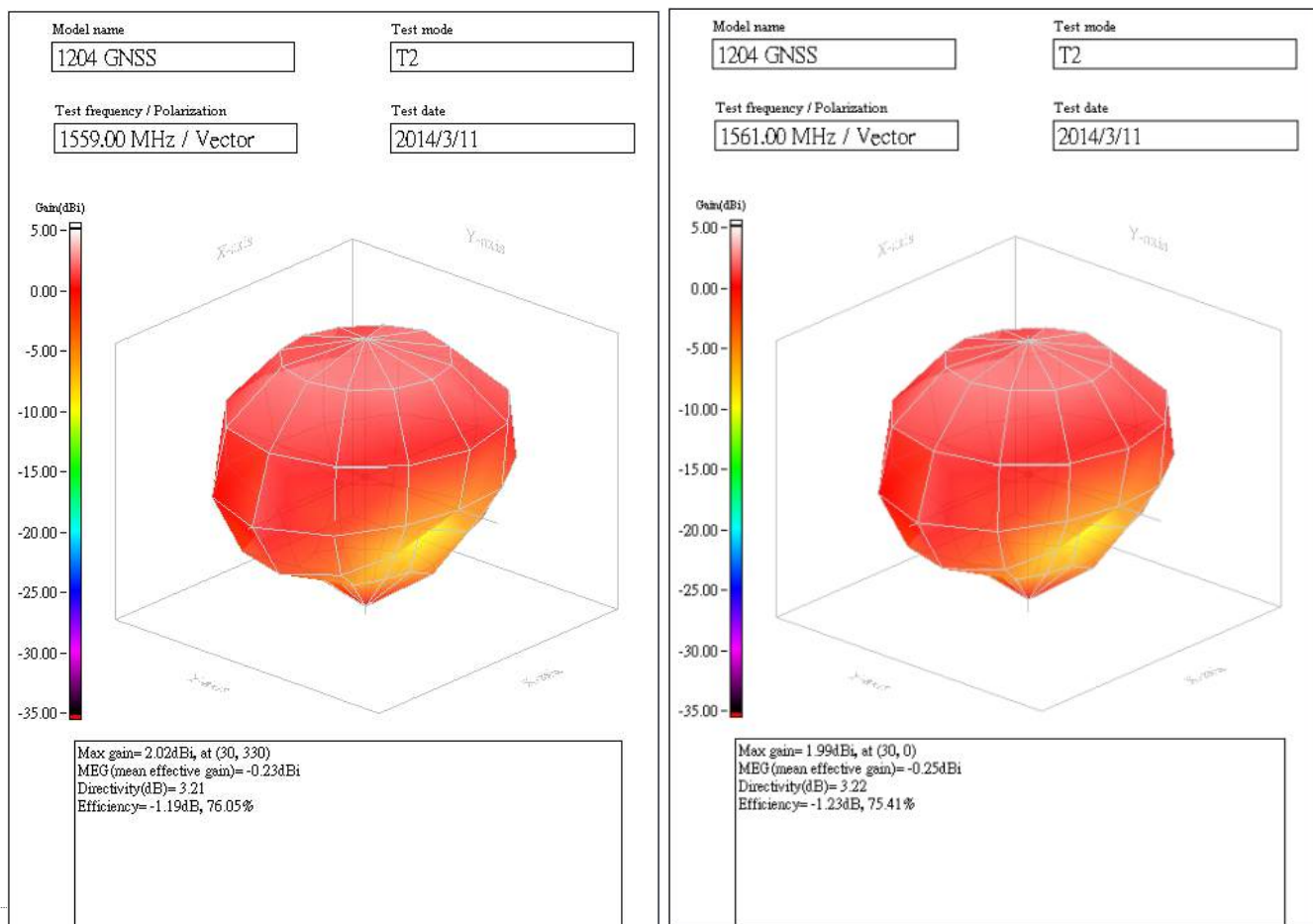
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ELECTRICAL PERFORMANCES



Evaluation board and XYZ direction



Radiation pattern

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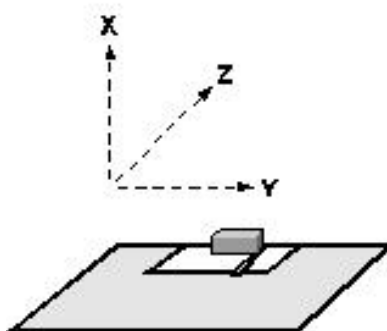
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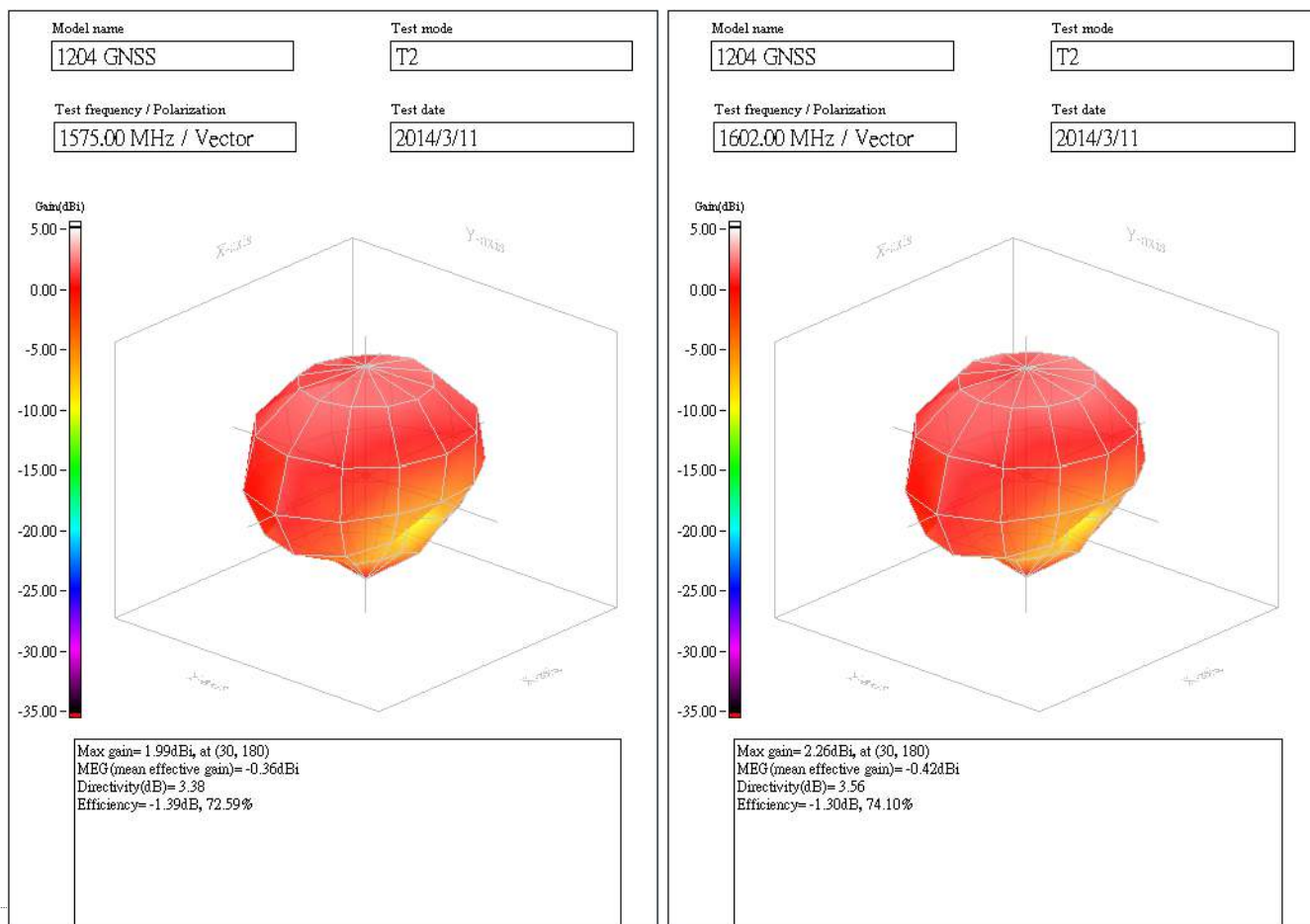
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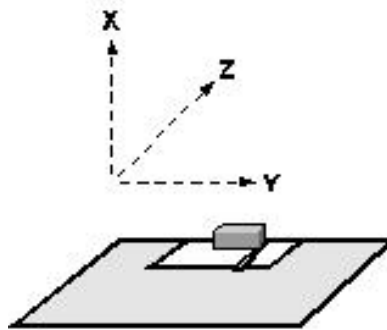
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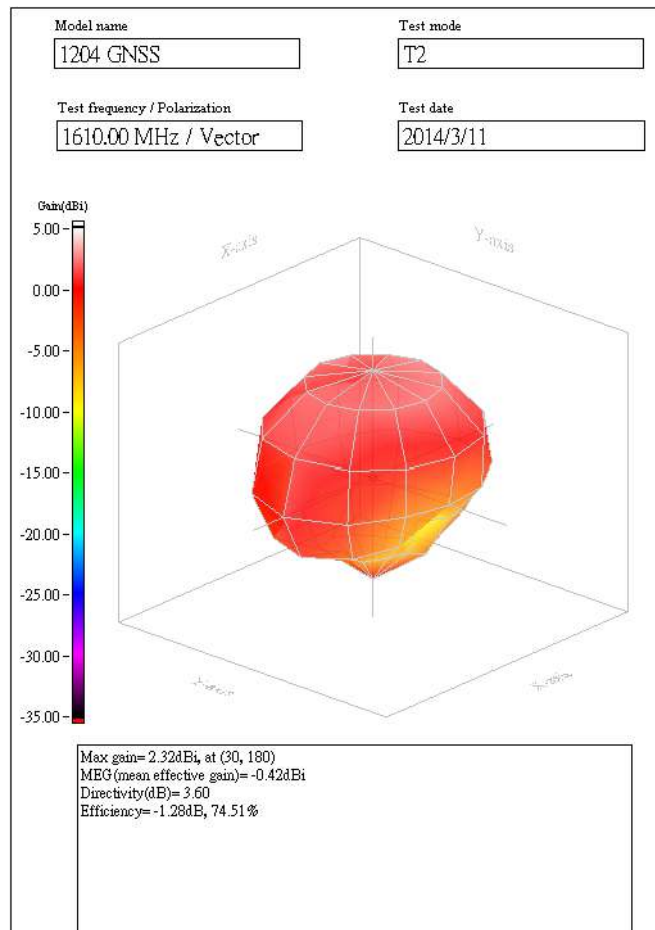
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REVISION HISTORY

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