

Test Report

for GPS L1/ BEIDOU1 AVIATION ANTENNA



Model: HXAT00GBAAV50A

Chengdu HAIXIN MICROWAVE Technology Co., Ltd

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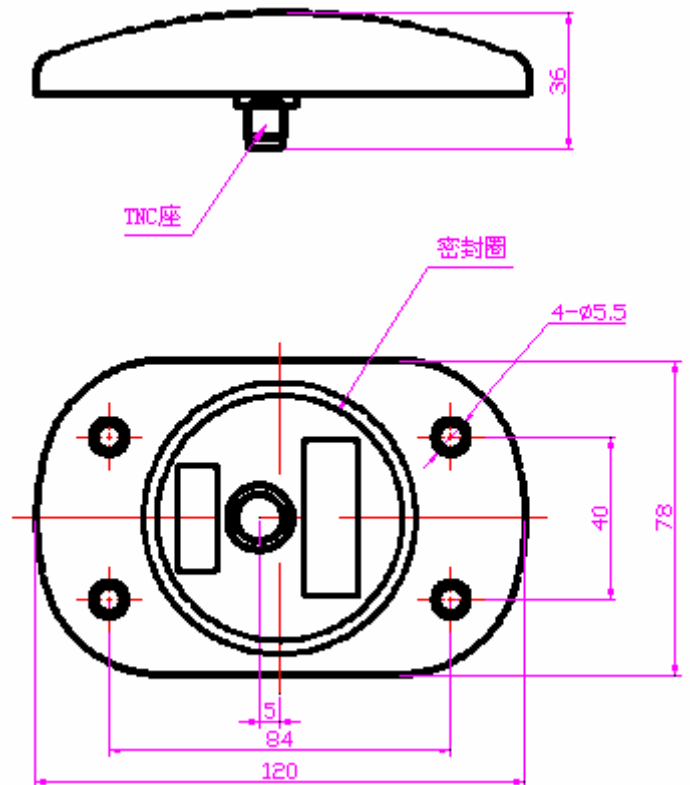
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Specification

1. Frequency: GPS L1:1575.42MHz±5MHz
BD1:2491.75MHz±4MHz
2. Pattern:
Azimuth: Omnidirectional
Elevation: Hemispherical
3. LNA Gain: 47dB±2dB
4. Polarization: Right-hand circular
5. AR: ≤4dB
6. Noise: ≤2dB
7. Impedance : 50 Ω
8. VSWR : ≤2:1
9. Power requirements: Voltage: 5~12VDC
Current: ≤50mA
10. Connector: TNC female
11. Operating Temperature : -40℃~+85℃
12. Store Temperature : -55℃~+85℃
13. Weight: ≈ 200 g
14. Size: 120mm×78mm×36mm



Test Instruments

Agilent 83630B
HP8563E
HP8720D

Test Results

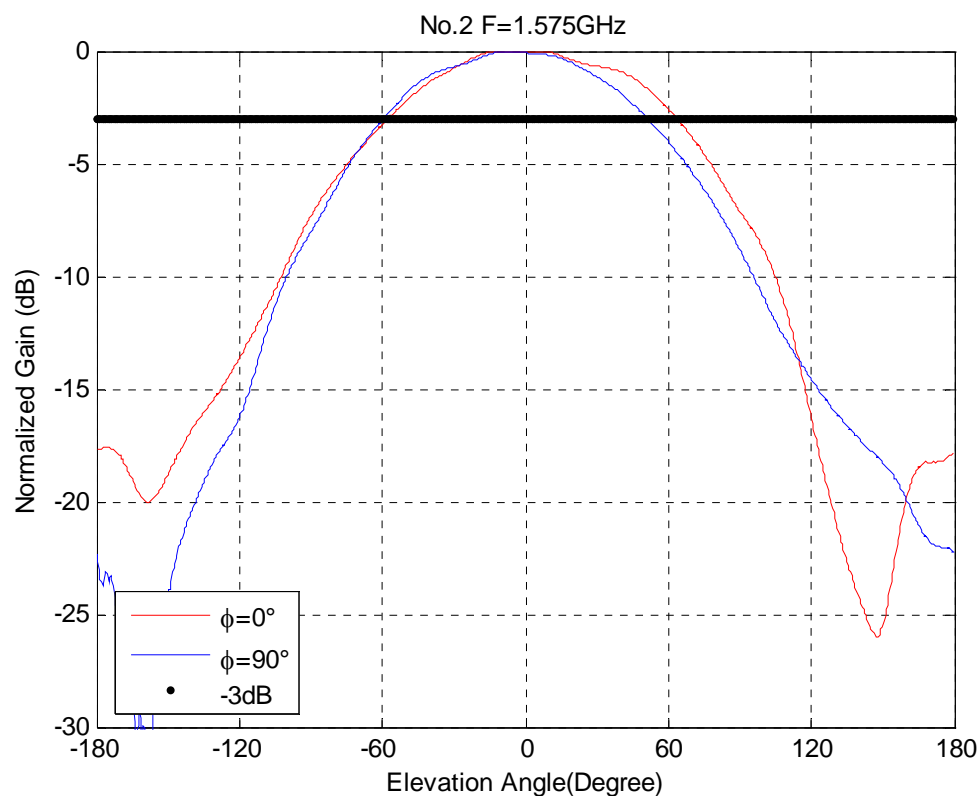
1. Gain



| Frequency (GHz) | Gain (dBic) |
|-----------------|-------------|
| 1.575 | 50.4 |
| 2.492 | 49.5 |

2. Pattern

1575MHz



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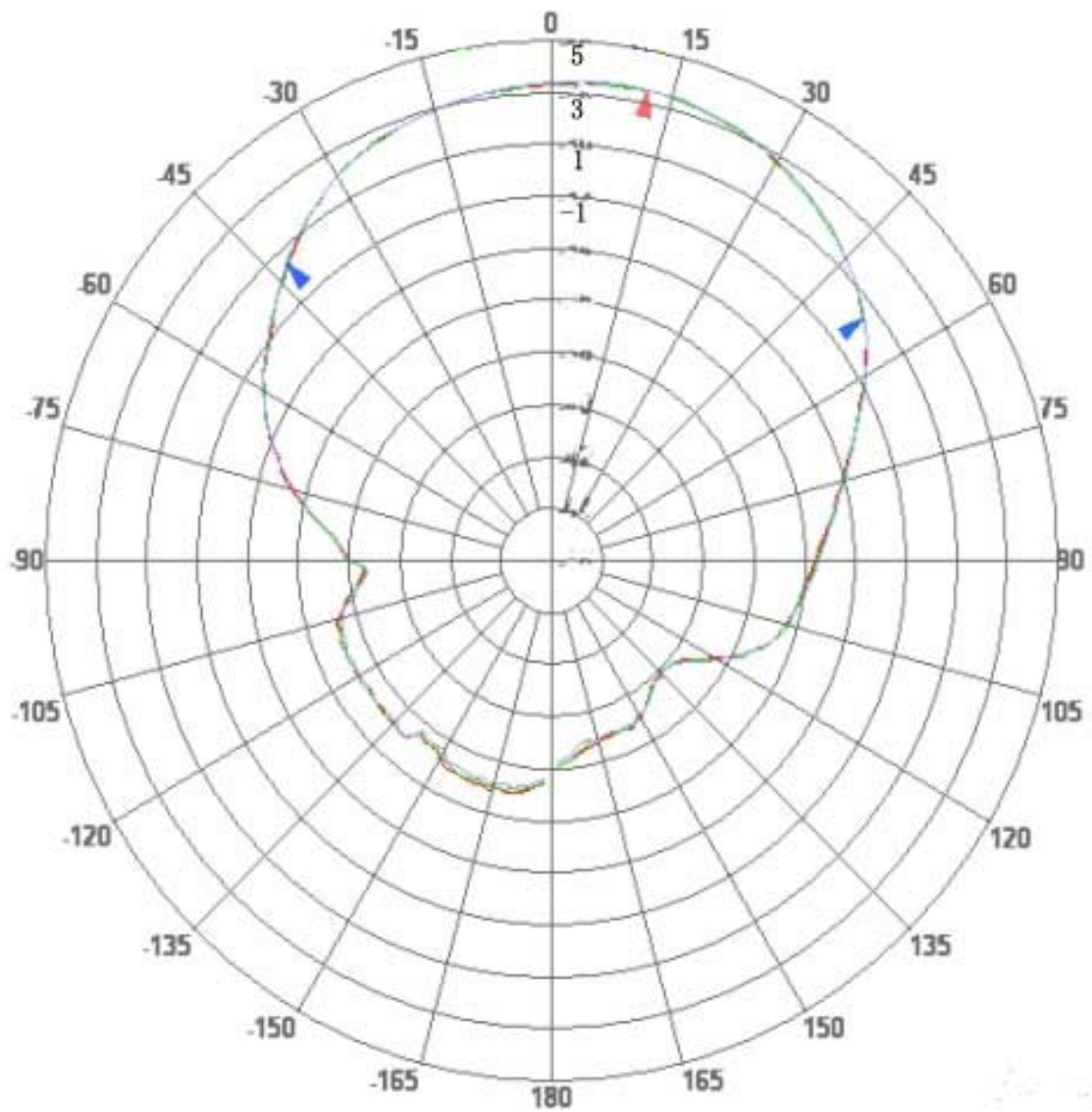
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2492MHz



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