

Description: GNSS IP67 Active 30dB RHCP Antenna

Series: Active GNSS

PART NUMBER: GNSSDM26B0500



Features:

- GNSS RHCP active antenna
- Beidou, GPS, Glonass
- LNA gain 30dBi
- 2pcs integrated band pass filters
- Module stage line-up:
 - Ant-Fil1-LNA-Fil2
- RoHS compliant

Applications:

- Base station timing antenna
- Navigation
- Tracking
- Location Bases Services

All dimensions are in mm / inches

Issue: 1821

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

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Description: GNSS IP67 Active 30dB RHCP
Antenna**Series:** Active GNSS**PART NUMBER:** GNSSDM26B0500**ELECTRICAL SPECIFICATIONS**

| | | |
|--------------------------|--|-------------|
| Frequency | 1561.098 ± 2.046/ 1575.42 ± 1.023/ 1602.5625 ± 4 | MHz |
| Nominal Impedance | 50 | Ω |
| VSWR | <2.5:1 | |
| Gain (Radiating element) | 1 | dBic ± 1 dB |
| Gain (LNA gain) | 30 | dB ± 2 dB |
| Polarization | RHCP | |
| Out of Band Rejection | | |
| 698 MHz | >70 | dB |
| 960MHz | >65 | dB |
| 1710MHz | >60 | dB |
| 2170MHz | >65 | dB |
| 2400MHz | >65 | dB |
| 2700MHz | >65 | dB |
| Noise Figure | <2.4 | dB |
| Operating Voltage | 3.3-5 | Vdc±0.5V |
| Current Consumption | <10 | mA |

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MECHANICAL SPECIFICATIONS

| | |
|---------------------------|-----------------------|
| Plastic radome | PC/ABS |
| Color | Pantone 427C Gray |
| Ingress Protection | IP67 |
| Weight | 130g |
| Overall Length | 541/21.3 MM/INCHES |
| Cable retention: Pull off | 7-35 N mini |
| Installation toque | 38-42 N/LBS |
| Cable Type | LMR-195 or equivalent |
| Connector | SMA Male |

ENVIRONMENTAL SPECIFICATIONS

| | |
|--------------------------|---|
| Operating temperature | -40/+85 ° C |
| Temperature shock | Per EDCS 1180288, Sec 3.3.13.2 Rate 5°C/min |
| Humidity | Per EDCS 1180288, Sec 3.3.13.3 |
| Operational altitude | Per EDCS 1180288, Sec 3.3.13.4 |
| Non operational altitude | Per EDCS 1180288, Sec 3.3.13.2 |
| Mechanical shock | Per EDCS 1180288, Sec 3.3.13.6 |
| Mechanical vibration | Per EDCS 1180288, Sec 3.3.13.8 |
| Salt mist | Per EDCS 1180288, Sec 3.3.13.1 |
| Drop test | Uncontrolled 10 times 42.0 inches |

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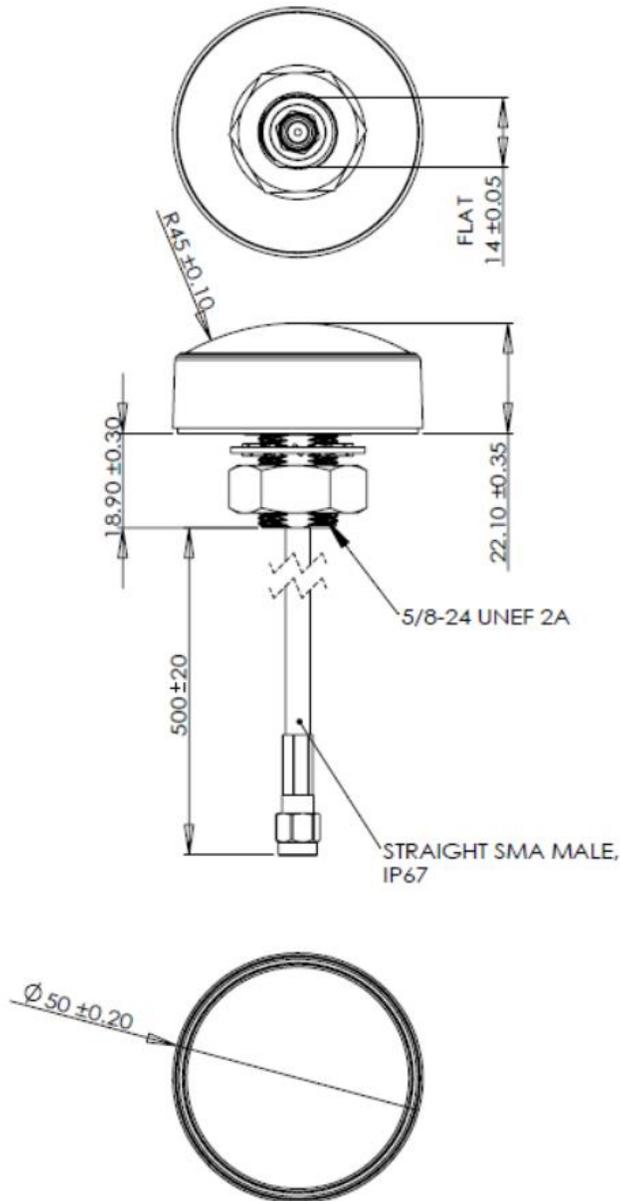
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MECHANICAL DRAWING



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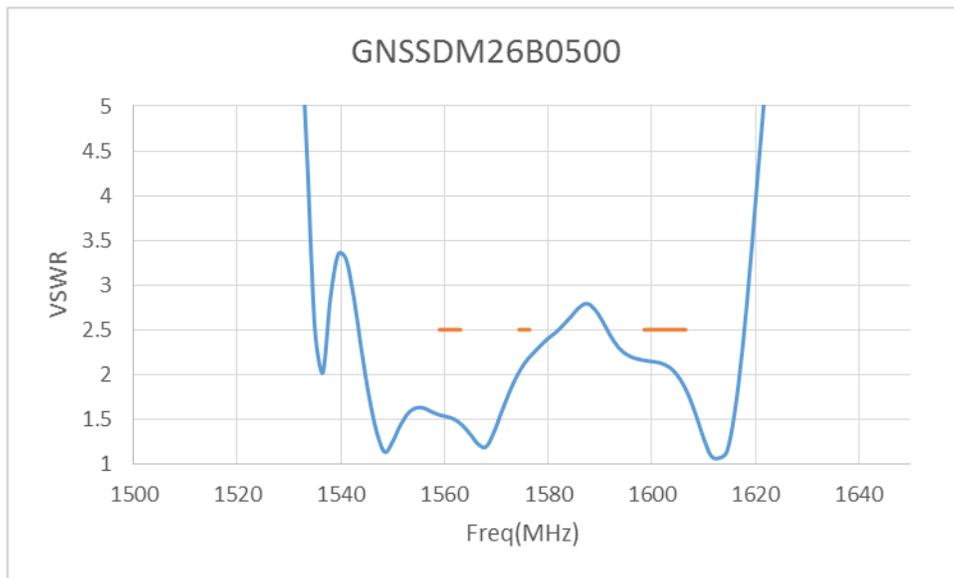
TEST SETUP

VSWR is tested in free space.

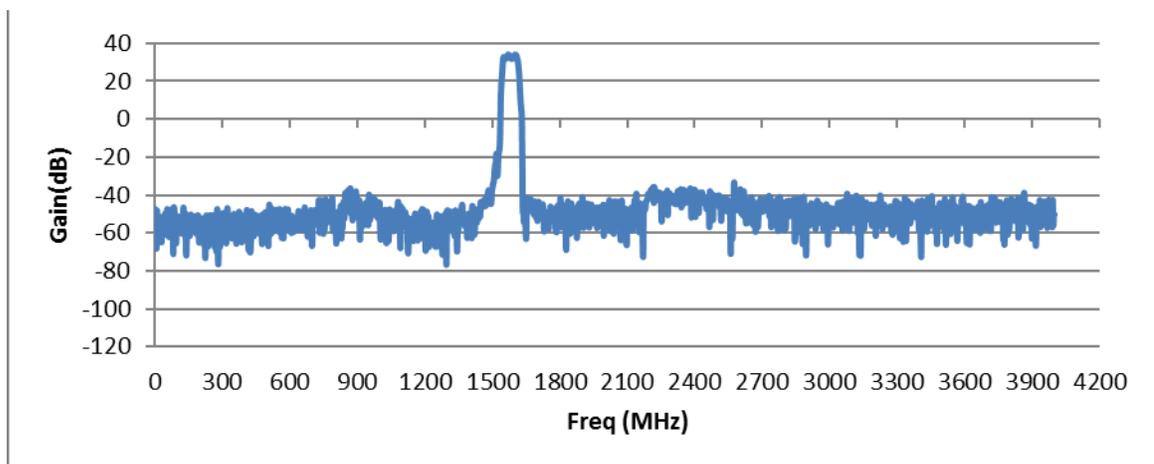
Radiation Element is test on 70X70mm ground plane.

CHARTS

VSWR



LNA Gain and out-of-band rejection



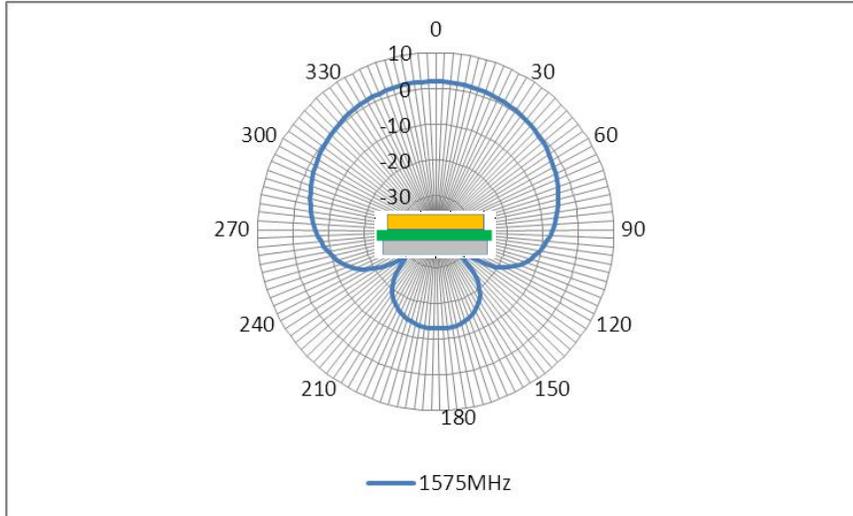
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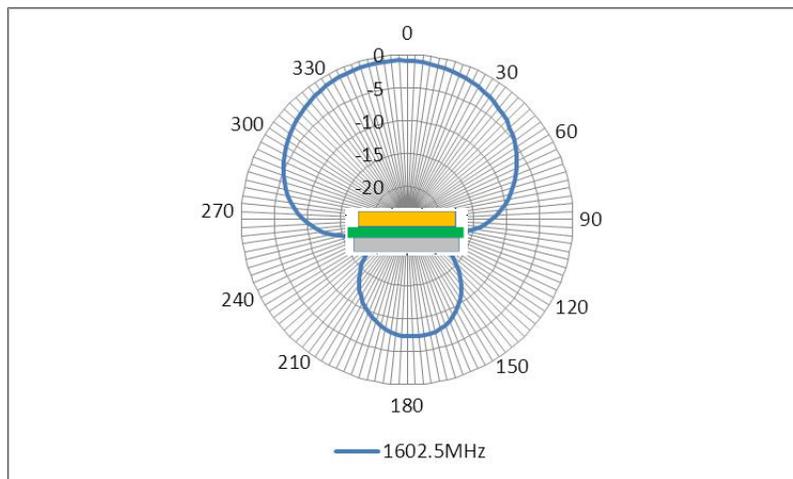
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CHARTS

Radiation Pattern (70mm x 70mm ground plane) GPS & Galileo



Radiation Pattern (70mm x 70mm ground plane) GLONASS



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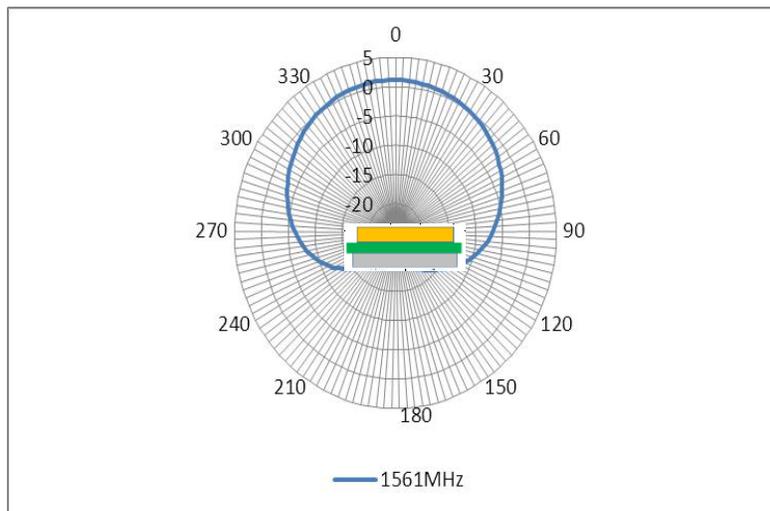
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CHARTS

Radiation Pattern (70mm x 70mm ground plane) BeiDou



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PACKAGING

Label on cable



1PCS/PE bag
21PCS/Carton box

