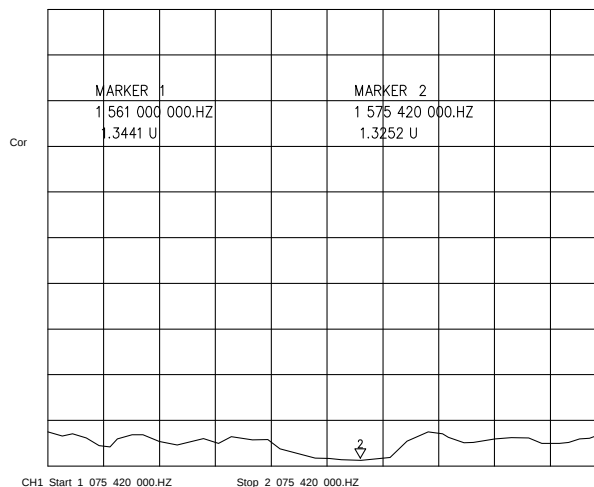


| Rev | Instruction | Audit | Date | Approve | Date |
|-----|-------------|-------|------|---------|------|
|     |             |       |      |         |      |
|     |             |       |      |         |      |

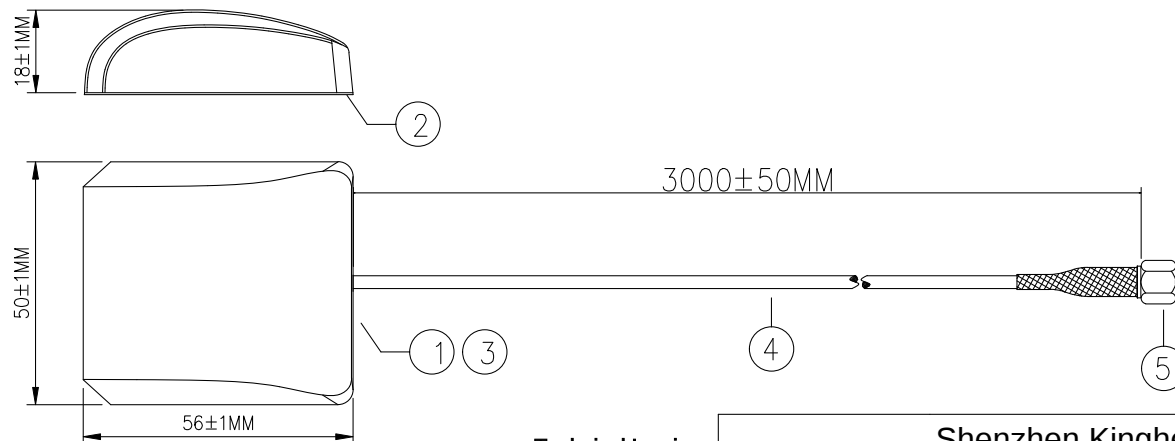
## Description Of Component Material And Process:

| No. | Material Name       | Product Description             | Amount |
|-----|---------------------|---------------------------------|--------|
| 1   | Antenna Element     | Ceramics                        | 1      |
| 2   | Installation Method | Foam Rubber In Magnet (18*2)    | 1      |
| 3   | Cover               | ø50*56mm ABS Black              | 1      |
| 4   | Cable               | RG174 Coaxial Cable 50ohm Black | 1      |
| 5   | Connector           | SMA J                           | 1      |
| 6   | H.S Ture            | Heat Shrink Tube                | 1      |

CH1 A/R SWR      MKR 1: 1.3252 U  
REF 1.000 U      1.000U/ 1575420000.HZ



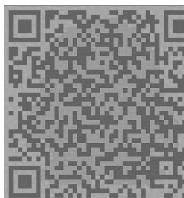
| Main Technical Specifications |                                       |
|-------------------------------|---------------------------------------|
| Model Type                    | YG-GPS-BD-SMA-3M-5056                 |
| Frequency Range               | GPS1575.42mhz<br>BD 1561.098+2.046Mhz |
| Band Width                    | 10MHz                                 |
| Axial Ratio                   | ≤ 4 DB                                |
| V.S.W.R.                      | ≤ 1.8                                 |
| Gain                          | Dielectric 4DB LNA 25DB               |
| Impedance                     | 50ohm                                 |
| Polarization                  | RHCP                                  |
| Noise Figure                  | 1.5 DB                                |
| DC Voltage                    | 3-5V                                  |
| DC Cuttent                    | ≤ 25mA                                |
| Boundary Dimension            | 50MM*56 MM*18MM                       |
| Cable                         | RG174-3000MM                          |
| Connector                     | SMA-J                                 |
| Working Temp.                 | -40°C~80°C                            |
| Way To Install                | Magnet                                |



## Remark:

- 1.The dimensions marked in the diagram are critical dimensions for IQC.
- 2.Each component assembly must be firm and reliable.
- 3.Finished product signal parameters must meet specified values.
- 4.Products must be packed according to requirements and should not show obvious deformation or compression during transportation.
- 5.Material and process specifications cannot be changed without confirmation from AFC Company.

## Technical Inquiry



## Shenzhen Kinghelm Electronics Co., Ltd

| The Production Line Tolerance |       | Draw    | HYWU | Date: 2020.06.17 | Unit: mm  | Rev: A1 | Scale                               | Material No. |
|-------------------------------|-------|---------|------|------------------|-----------|---------|-------------------------------------|--------------|
| 5 UND                         | ±0.05 | RF      |      | Date:            | Material  |         | Page 1/1                            |              |
| 5-10                          | ±0.06 |         |      | Date:            | Technique |         | Product Name: KH-GPS-BD-SMA-3M-5056 |              |
| 10-35                         | ±0.07 |         |      | Date:            | Sheet A4  |         | Drawing No.                         |              |
| 35-50                         | ±0.08 | Audit   |      | Date:            |           |         |                                     |              |
| 50-100                        | ±0.09 |         |      | Date:            |           |         |                                     |              |
| 100 OVE                       | ±0.10 | Approve |      | Date:            |           |         |                                     |              |