

AscenKorea Inc.

AKA150

GPS Antenna

Data Sheet

Revision: VOA



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## 1. Electrical Specifications.

| Item                    |    | Specifications                      |
|-------------------------|----|-------------------------------------|
| Center Frequency (= Fc) | L1 | 1575.42 MHz ± 1.023 MHz             |
| Bandwidth in 10 dB      | L1 | 10 MHz min.                         |
| VWSR                    |    | ≤ 1.5dB                             |
| Impedance               |    | 50 Ω                                |
| Polarization            |    | R.H.C.P                             |
| Gain (dBi)              | L1 | 26dB ± 2dB (LNA Amp)                |
| Axial Ratio             |    | 3.0 dB max.                         |
| Temperature             |    | Operating Temperature : -40°C~+85°C |
|                         |    | Storing Temperature : -40°C~+90°C   |
| Size                    |    | 38 X 45 X 15[mm] Without Cable      |
| Weight                  |    | 100g                                |
| Consumption             |    | < 10mA                              |
| Supply Voltage          |    | DC 3 ~ 5V                           |

## 2. Dimensions.



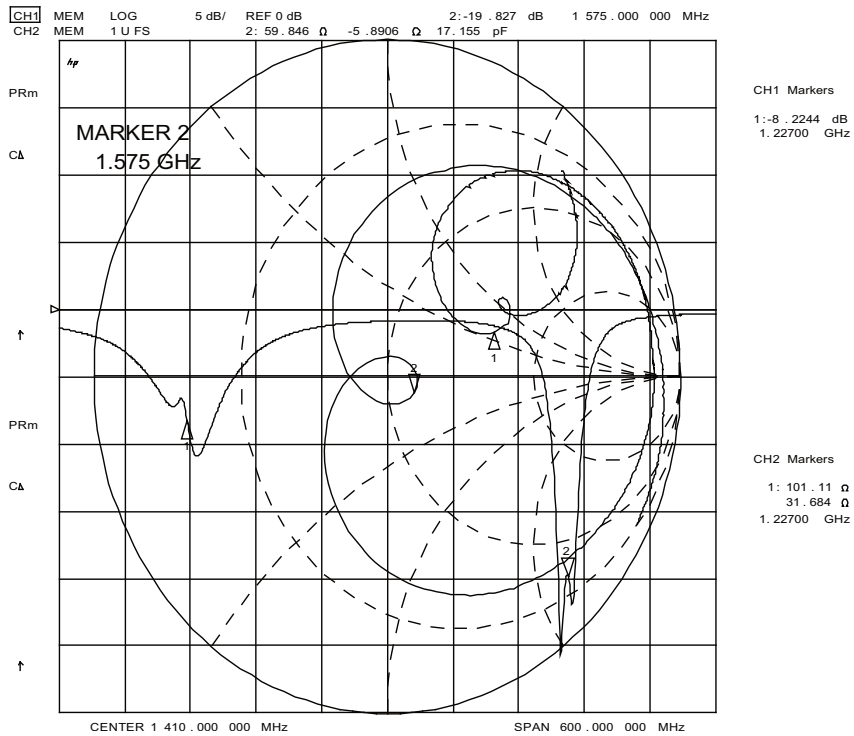
**Cable Length : 2M(default)**

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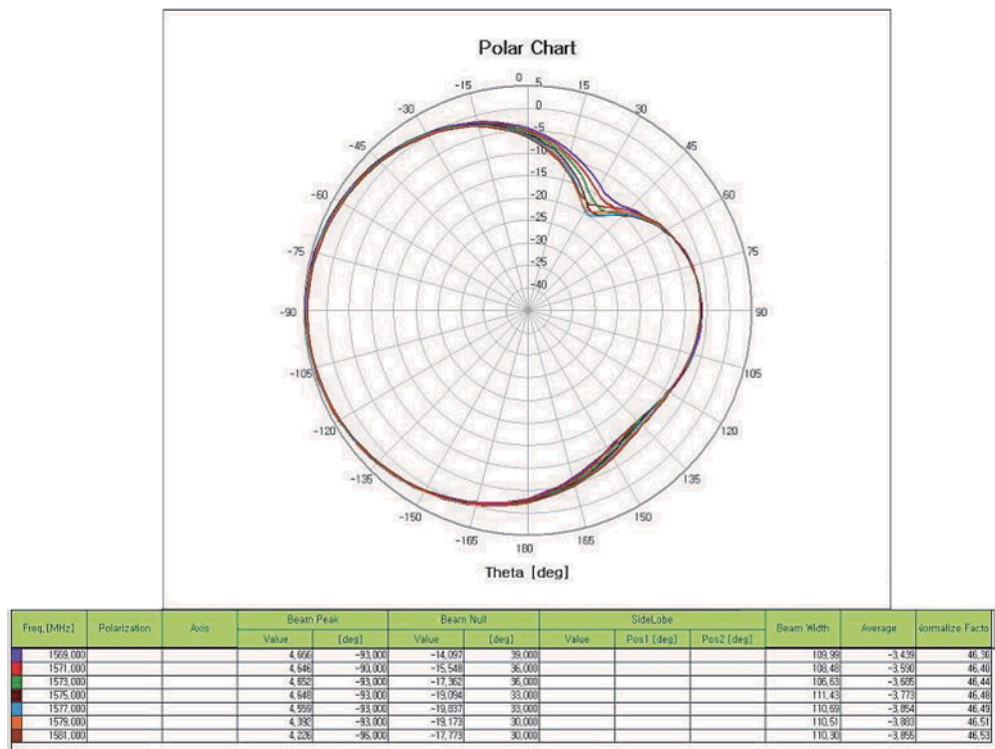


### 3. Data

#### 1) Return Loss & Smith Chart (@ 1575MHz-S22)



#### 2) Antenna Chamber Data (@1575MHz)



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