SWE048

PN: SW20092EB56



Features

- Antenna for 1500-1620MHz
- High gain
- Impedance 50 Ohm.

Applications:

- Antenna for GPS/GLONASS/BEIDOU/Galileo applications

Sunnyway Technology

Add: 1F, Building 4, No.215-99, GaoGuang Road, QingPu District, Shanghai, China
Tel: +86-021-6083 5368 Fax: +86-021-6484 2328
Email: info@sunny-way.com Web: www.sunny-way.com

1. Electrical Specifications

Standards	GPS/GLONASS/BEIDOU/Galileo		
Frequency range (MHz)	1559	1575.42	1602
Peak Gain (dBi)	4.2	4.1	4.2
Average Gain (dB)	-1.2	-1.4	-1.5
VSWR	1.7	1.4	1.2
Return Loss	-11.5	-15.4	-19.5
Efficiency (%)	76.3	72.0	70.6
Polarization mode	Linear	Linear	Linear
Radiation pattern	Omni-Directional	Omni-Directional	Omni-Directional
Output impedance (Ω)	50	50	50
Max. Input Power(W)	5	5	5

2. Mechanical and Environmental Specification

Mounting Type	Connector Mount
Connector Type	SMA (M)
Antenna size(mm)	41.3*φ11.0mm
Material	ABS
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C
Weight(g)	About 5.7g

3. Antenna parameters

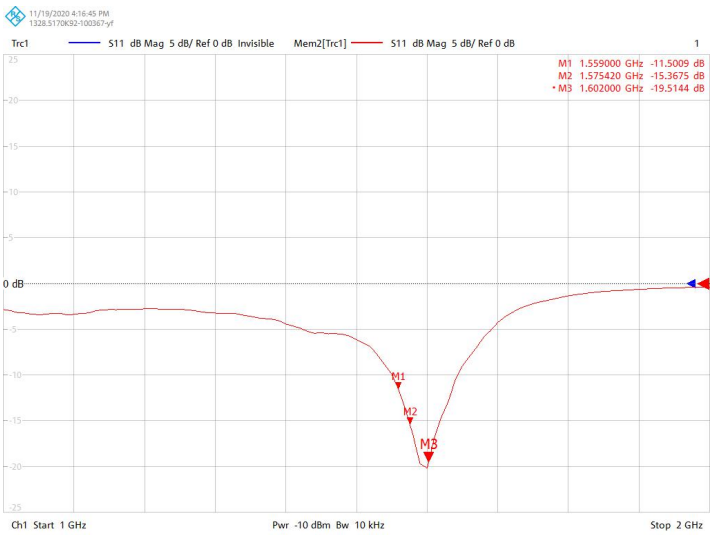
3.1 General Data

FRE (MHz)	1559	1575.42	1602
VSWR	1.7	1.4	1.2
Return Loss	-11.5	-15.4	-19.5
Eff (%)	76.3	72.0	70.6
Average Gain(dB)	-1.2	-1.4	-1.5

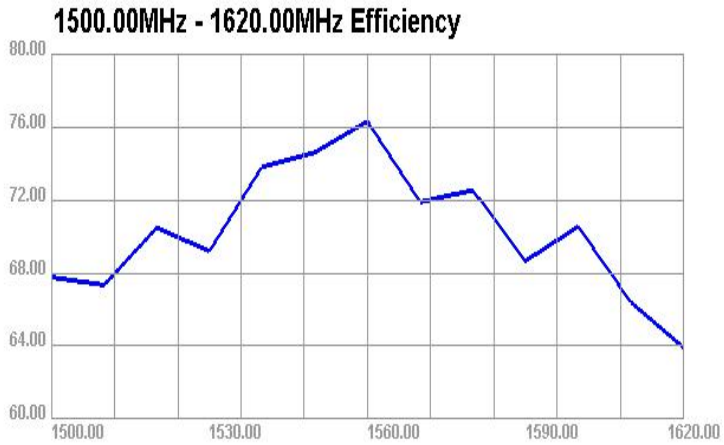
3.2 VSWR



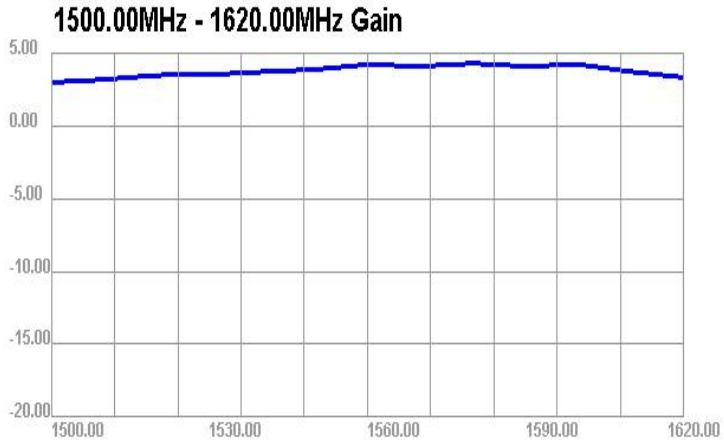
3.3Return Loss



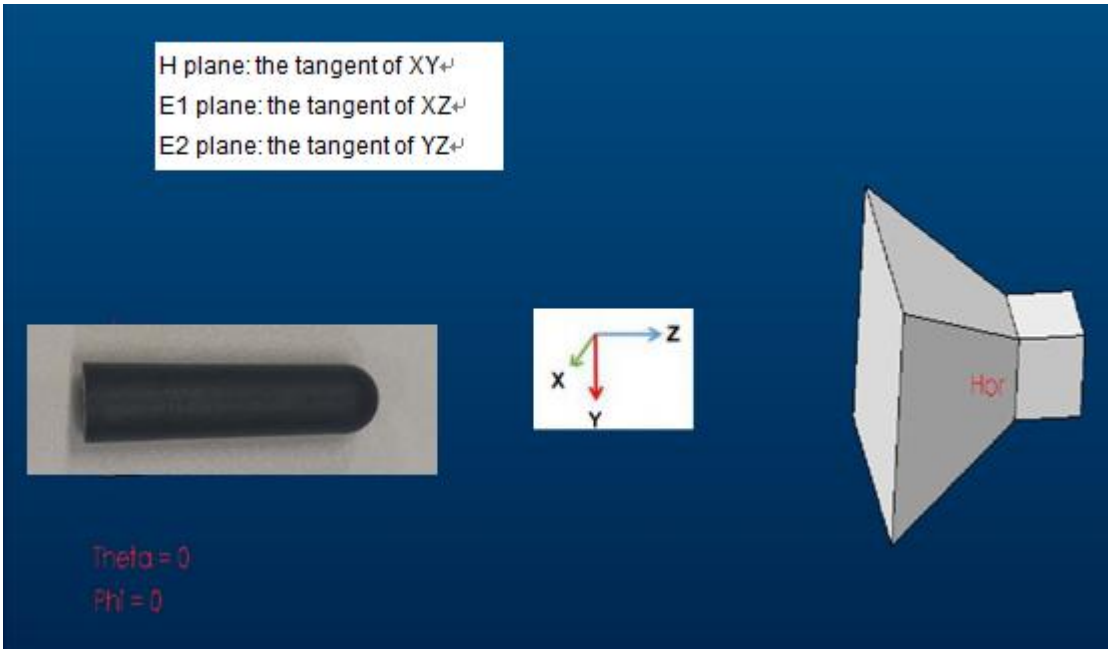
3.4 Efficiency

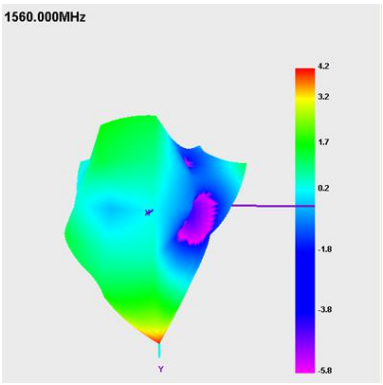


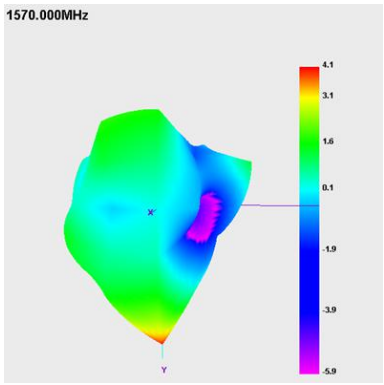
3.5 Gain

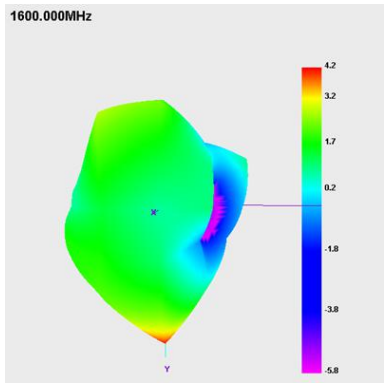


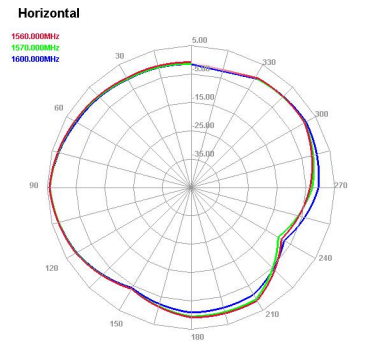
3.6 Directional Pattern

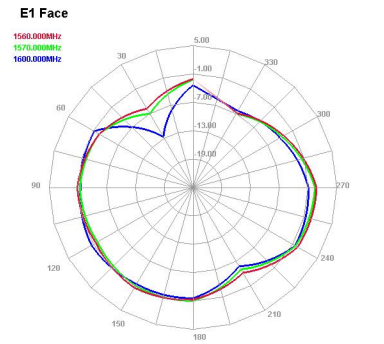


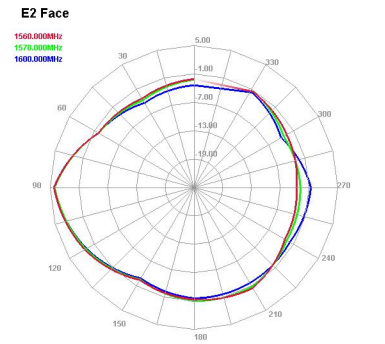




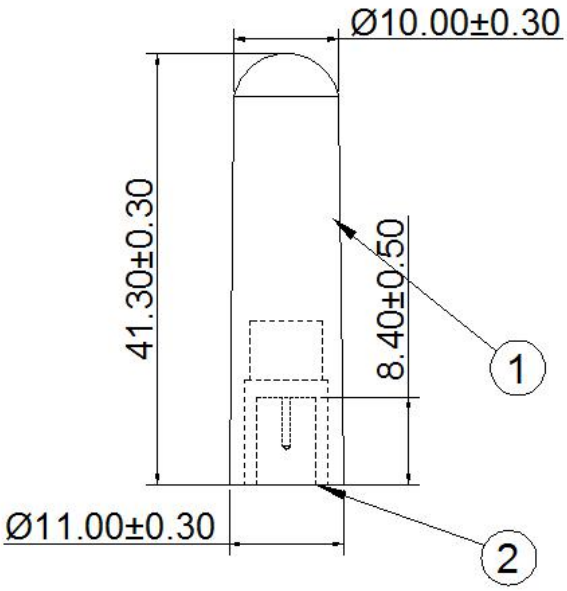








4. Antenna Drawings(Unit:mm)



Series	Component name	Specification	Color	Quantity
1	noumenon	ABS	black	1
2	SMA	SMA（M）	white	1