



SWE046

PN: SW20087EB56



Features

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

Applications:

- Antenna for GPS/GLONASS/BEIDOU/Galileo applications

1. Electrical Specifications

Standards	GPS/GLONASS/BEIDOU/Galileo		
Frequency range (MHz)	1559	1575.42	1602
Peak Gain (dBi)	4.3	4.1	4.4
Average Gain (dB)	-1.5	-1.7	-2.0
VSWR	1.2	1.1	1.2
Return Loss	-22.7	-27.8	-23.0
Efficiency (%)	70.8	68.1	63.2
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

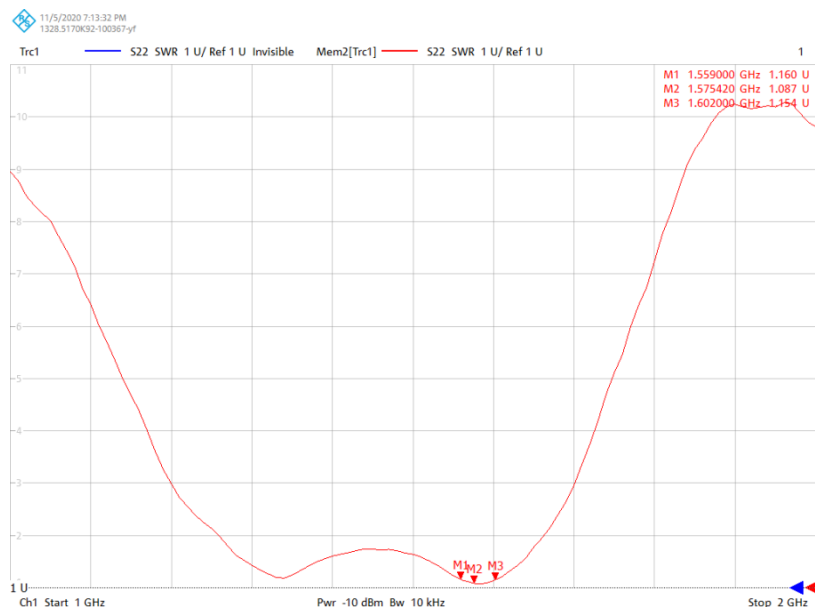
Mounting Type	Connector Mount
Connector Type	SMA (3M)
Antenna size(mm)	109.0* ϕ 10.0mm
Material	ABS
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C
Weight(g)	8.23g

3. Antenna parameters

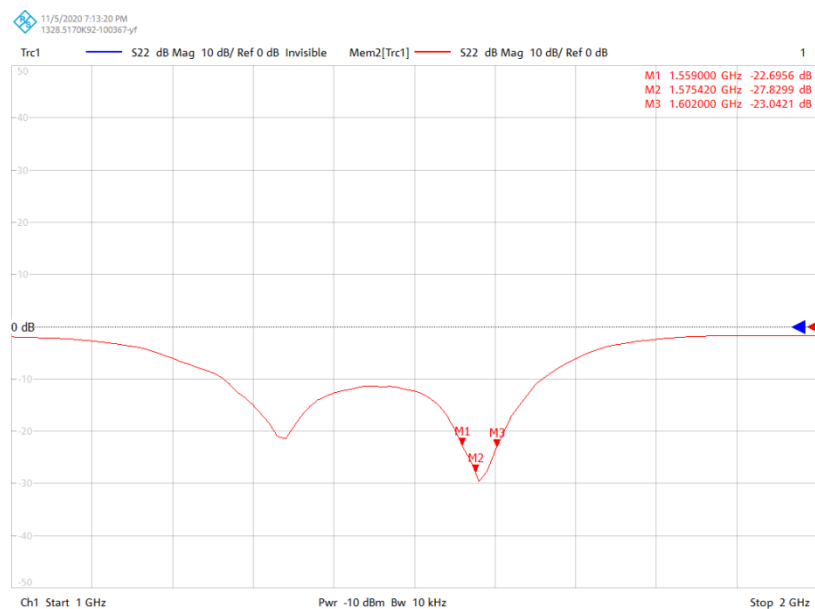
3.1 General Data

FRE (MHz)	1559	1575.42	1602
VSWR	1.2	1.1	1.2
Return Loss	-22.7	-27.8	-23.0
Eff (%)	70.8	68.1	63.2
Average Gain(dB)	-1.5	-1.7	-2.0

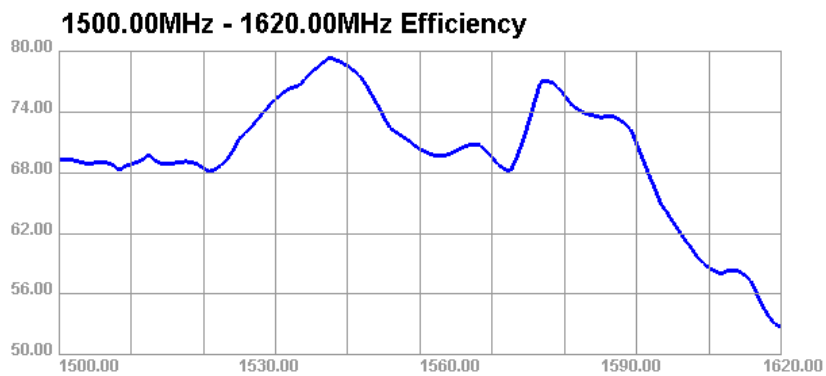
3.2 VSWR



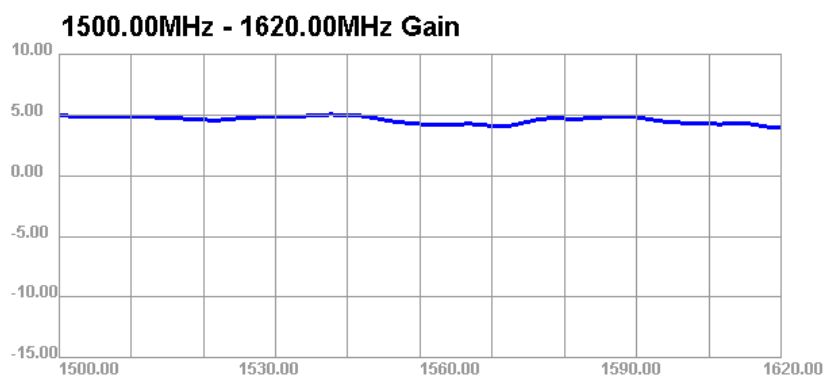
3.3 Return Loss



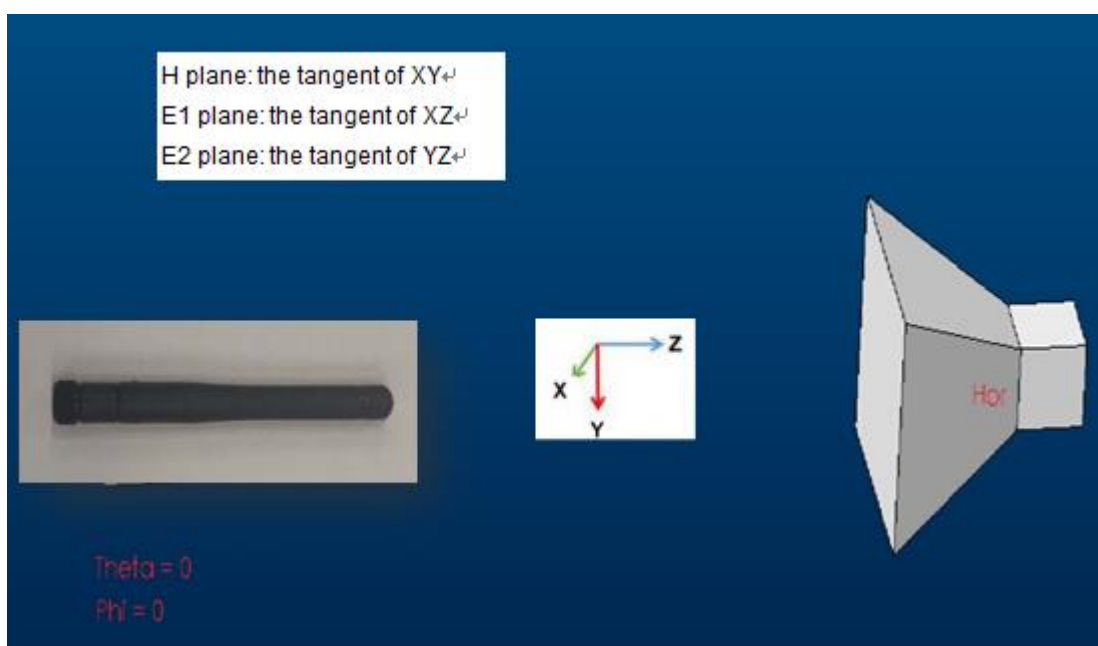
3.4 Efficiency

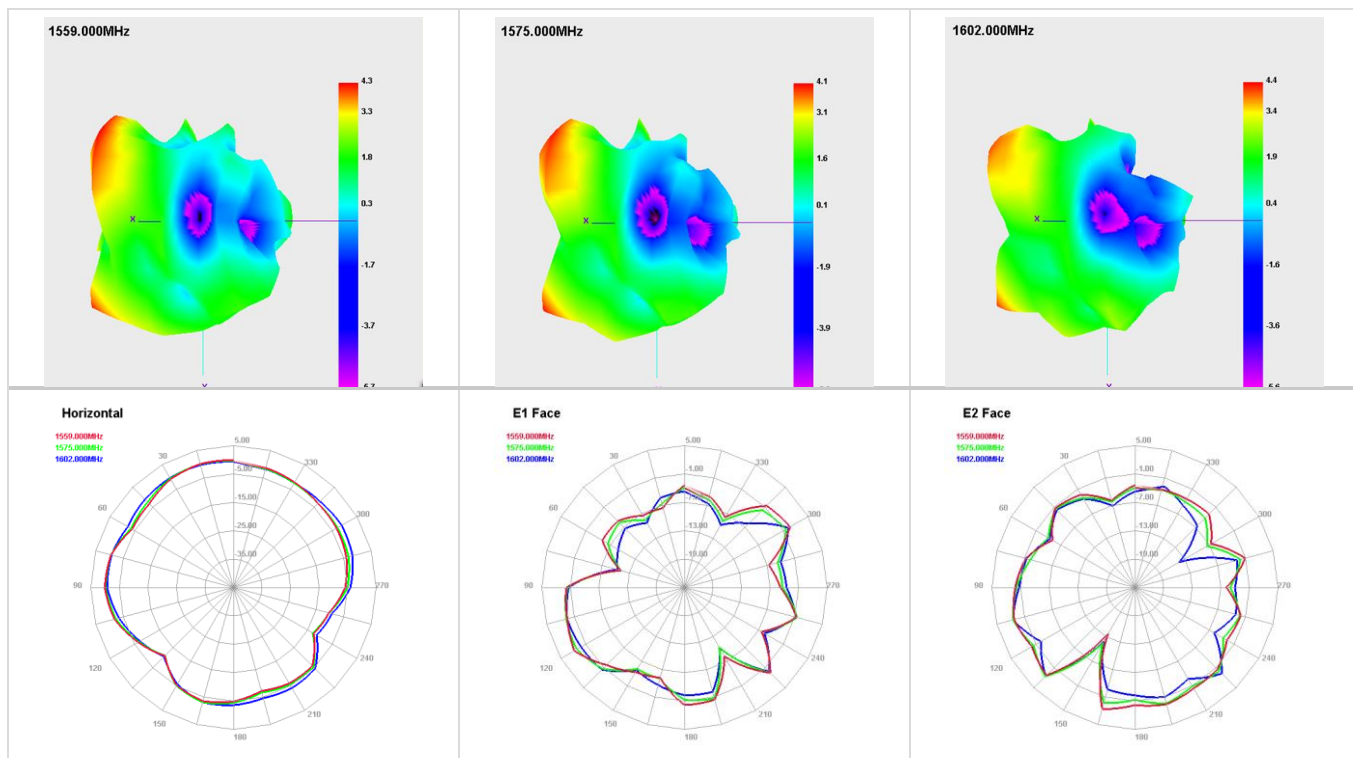


3.5 Gain

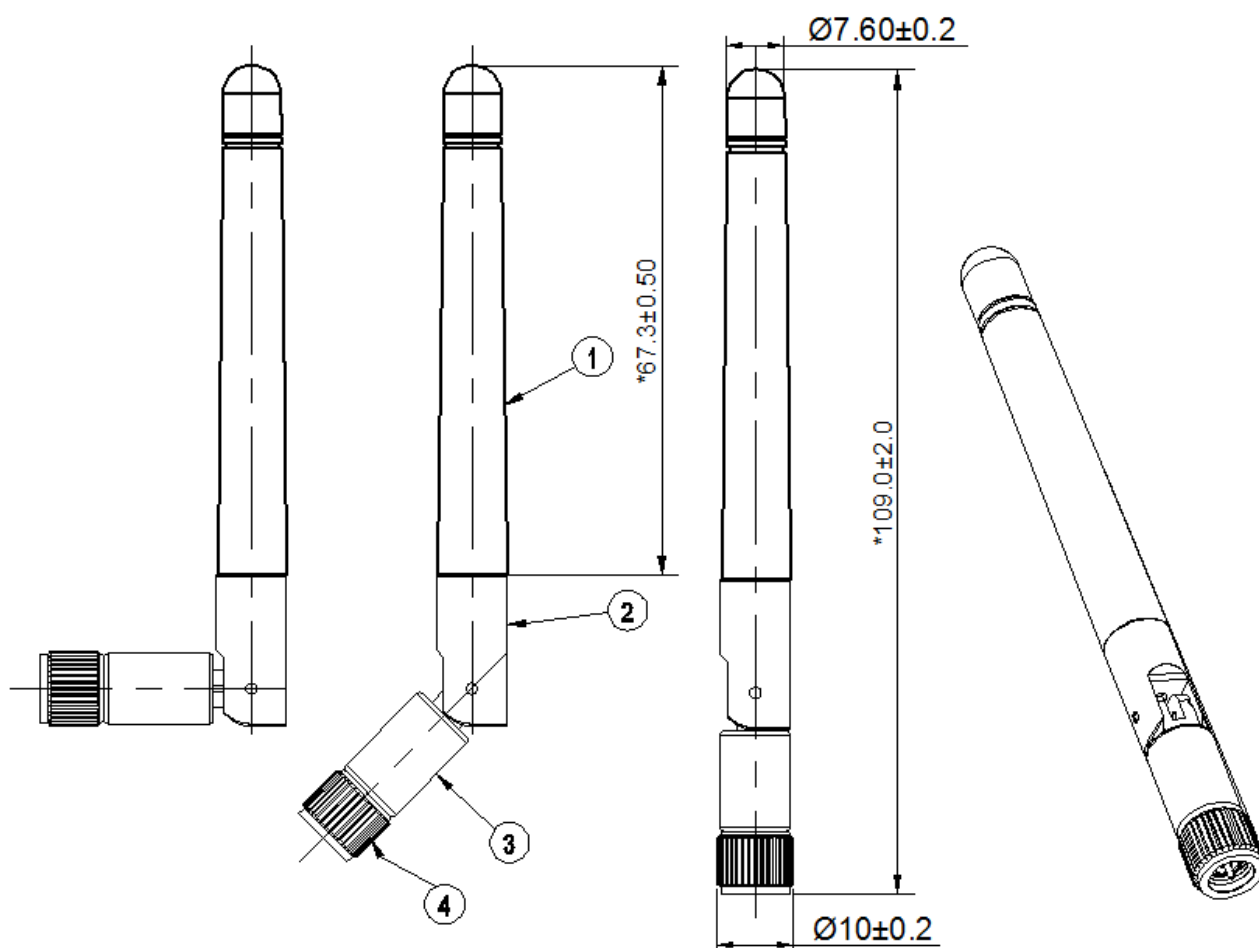


3.6 Directional Pattern





4. Antenna Drawings(Unit:mm)



Series	Component name	Specification	Color	Quantity
1	noumenon	ABS	black	1
2	Upper firmware	ABS	black	1
3	Lower Firmware	ABS	black	1
4	SMA	SMA-M	black	1