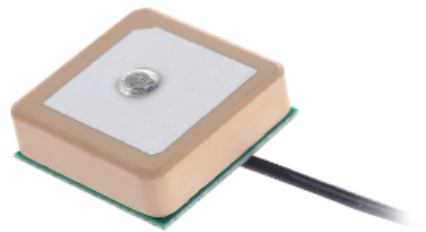




SUNNYWAY

2701C008

PN: SZ22672IB93



1. Electrical Specification

GaoGuang Road, QingPu District, Shanghai, China

Tel: +86-021-6083 5368 Fax: +86-021-6484 2328

Email: sales@sunny-way.com Web: www.sunny-way.com

Standards	GPS/GLONASS/GALILEO	
Frequency range (MHz)	1575MHz	1602MHz
Peak Gain (dBi)	2.13dBi	2.07dBi
Average Gain (dB)	-2.89dB	-2.76dB
VSWR	1.13	1.82
Return Loss	-23.84	-10.73
Efficiency (%)	51.3%	52.9%
Polarization mode	Circular polarization	Circular polarization
Radiation pattern	Hemispherical	Hemispherical
Voltage Range (V)	1.8~3.6V	1.8~3.6V
Active Gain (dB)	25 @ 3.6V	25 @ 3.6V
Noise Figure (dB)	2.5 @ 3.6V	2.5 @ 3.6V
Current Consumption (mA)	20 @ 3.6V	20 @ 3.6V
Power Consumption (mW)	100 @3.6V	100 @ 3.6V

2. Mechanical and Environmental Specification

Mounting Type	Adhesive
Adhesive Type	3M9448A
Connector Type	U.FL Standard
Antenna size(mm)	15mm (L) x15 mm (W) x 6.9mm (H)
Material	Ceramic



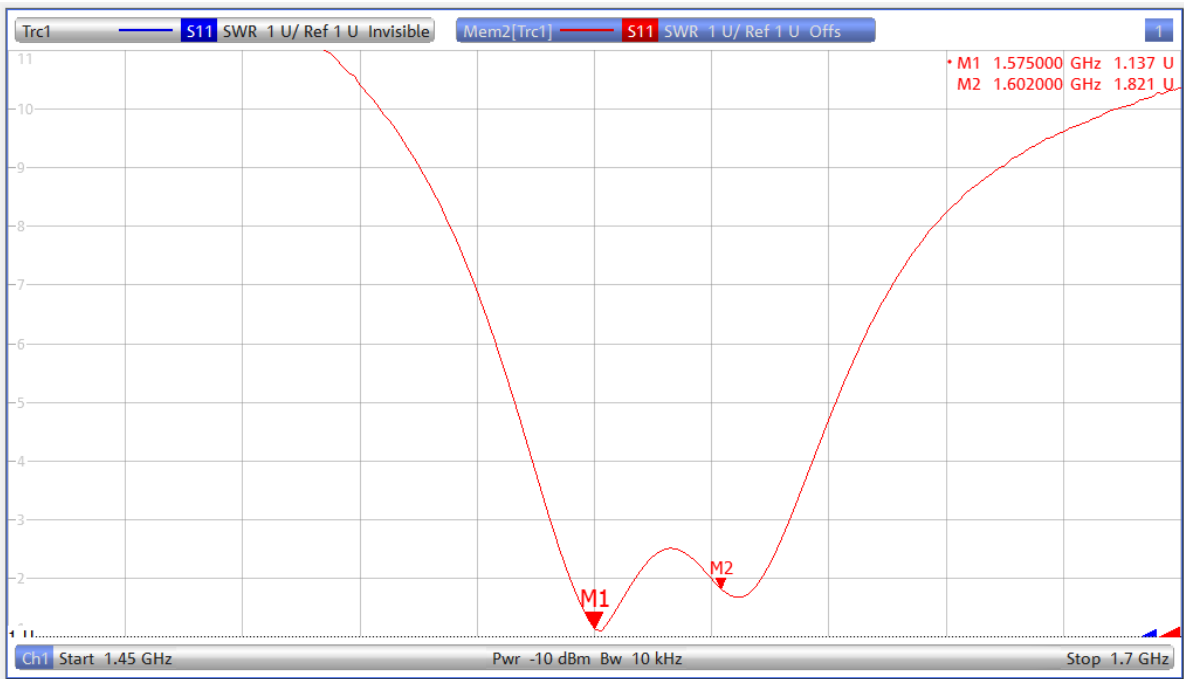
Cable length(mm)	67mm
Operating Temperature (°C)	-40 °C ~ +85 °C
Storage Temperature(°C)	-40 °C ~ +85 °C

3. Antenna parameters

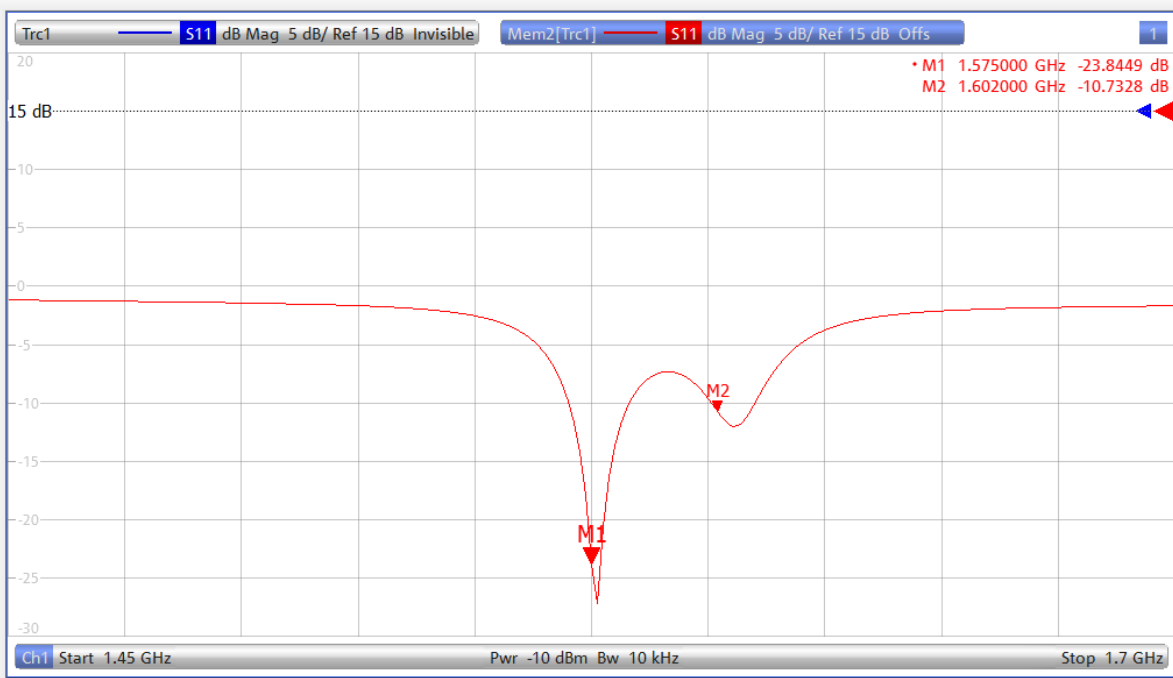
3.1 General Specification

FRE (MHz)	1575	1602
VSWR	1.13	1.82
Return Loss	-23.84	-10.73
Eff(%)	51.3	52.9
PEAK Gain (dBi)	2.13	2.07

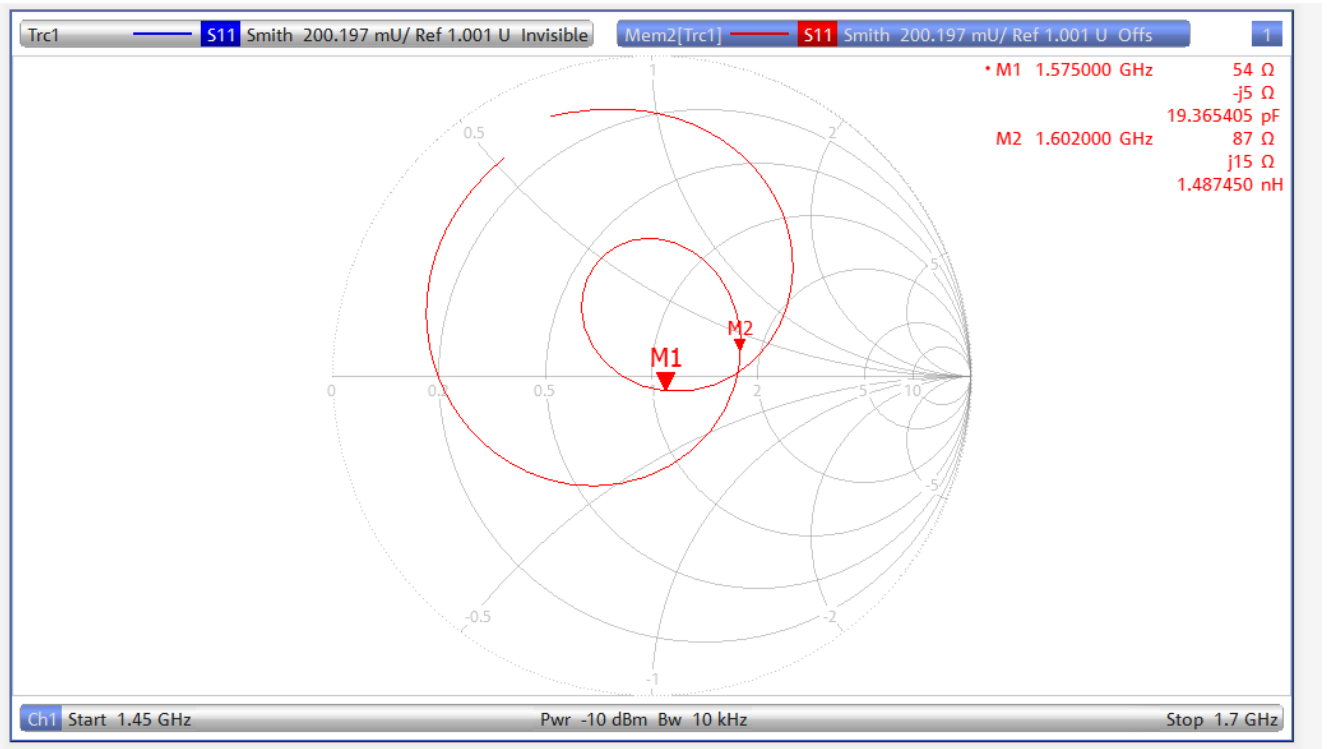
3.2 VSWR



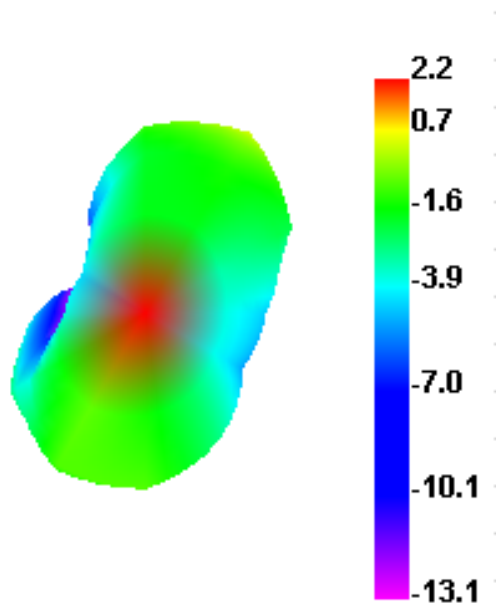
3.3 Return Loss



3.4 SMITH



3.5 Directional Pattern



4. Antenna Drawing

