



SUNNYWAY

SWF005

PN: SW19013IB77



Sunnyway Technology

Add: Building 65-302, No.421 Hongcao Road, Xuhui District, Shanghai

Tel: +86-021-6484 2326 Fax: +86-021-6484 2328

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



1. Electrical Specifications

Standards	GPS L1+L2+L5/Glonass/Galileo/Beidou
Frequency range	1176/1227/1575/1602mhz
Peak Gain(dBi)	0~2dBi
Average Gain(dBi)	-3dB
Polarization mode	Linear
VSWR	<2.0
Return Loss	<-10
Efficiency(%)	40%
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

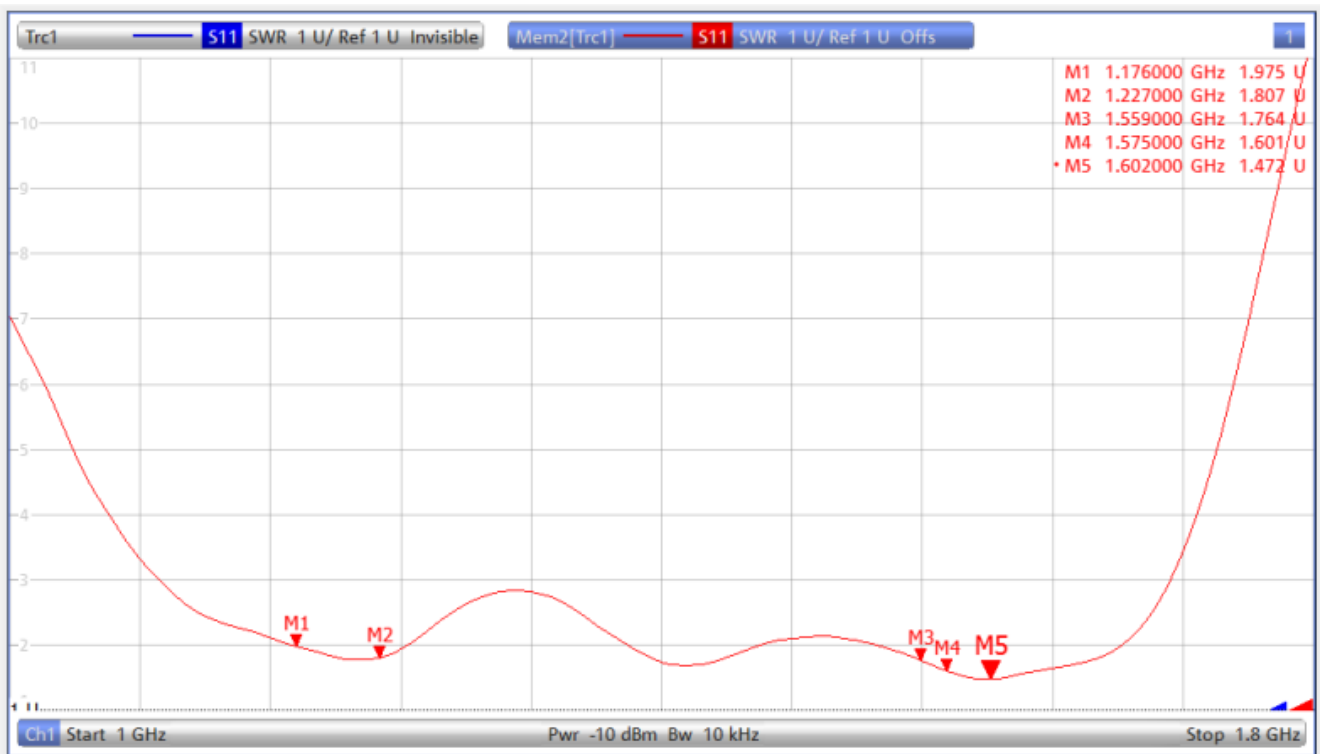
Mounting Type	Adhesive
Adhesive Type	3M9471
Connector Type	U.FL Standard
Antenna size(mm)	39mm (L) x 6.5mm (W) x 0.12mm (H)
Material	FPC



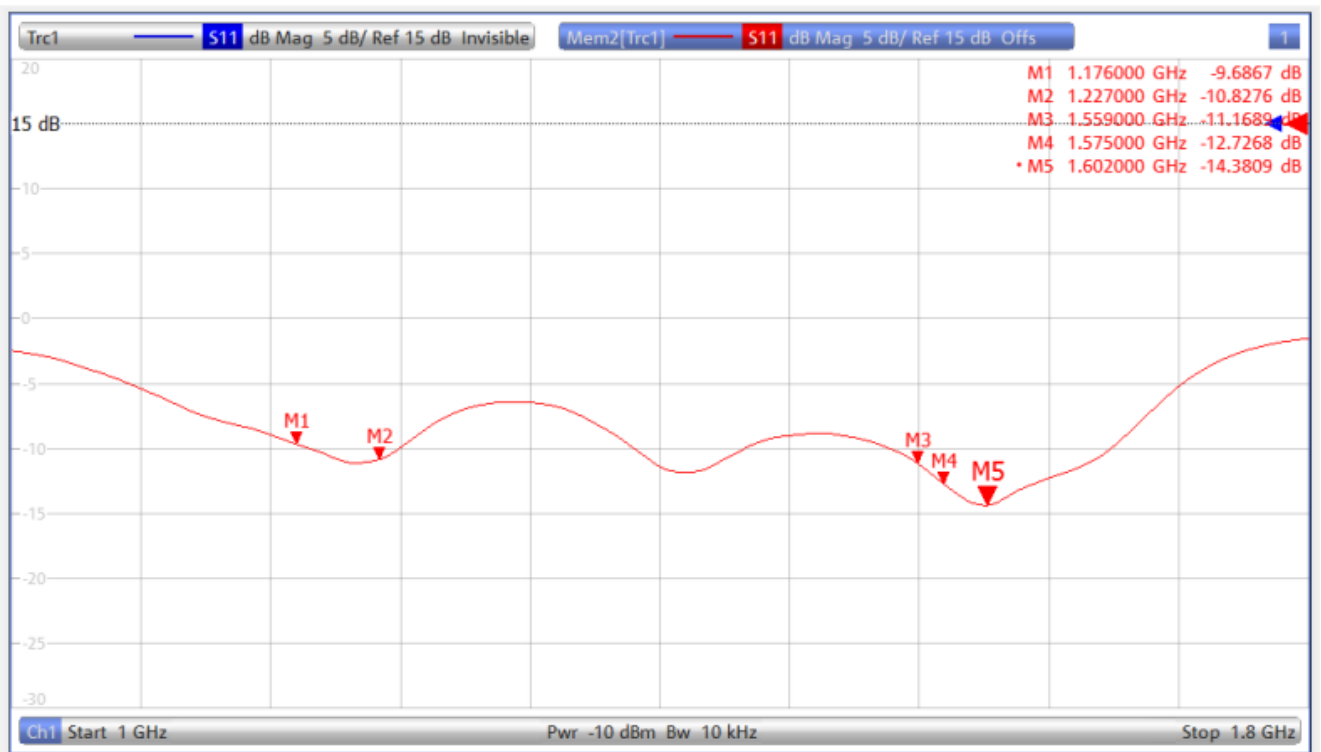
Cable length(mm)	220mm
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

FRE (MHz)	1176	1227	1559	1575	1602
VSWR	1.97	1.80	1.76	1.60	1.47
Return Loss	-9.68	-10.8	-11.1	-12.7	-14.3
Eff(%)	37.1	40.1	57.5	52.2	56.1
AVE Gain(dBI)	-4.30	-3.96	-2.40	-2.82	-2.50



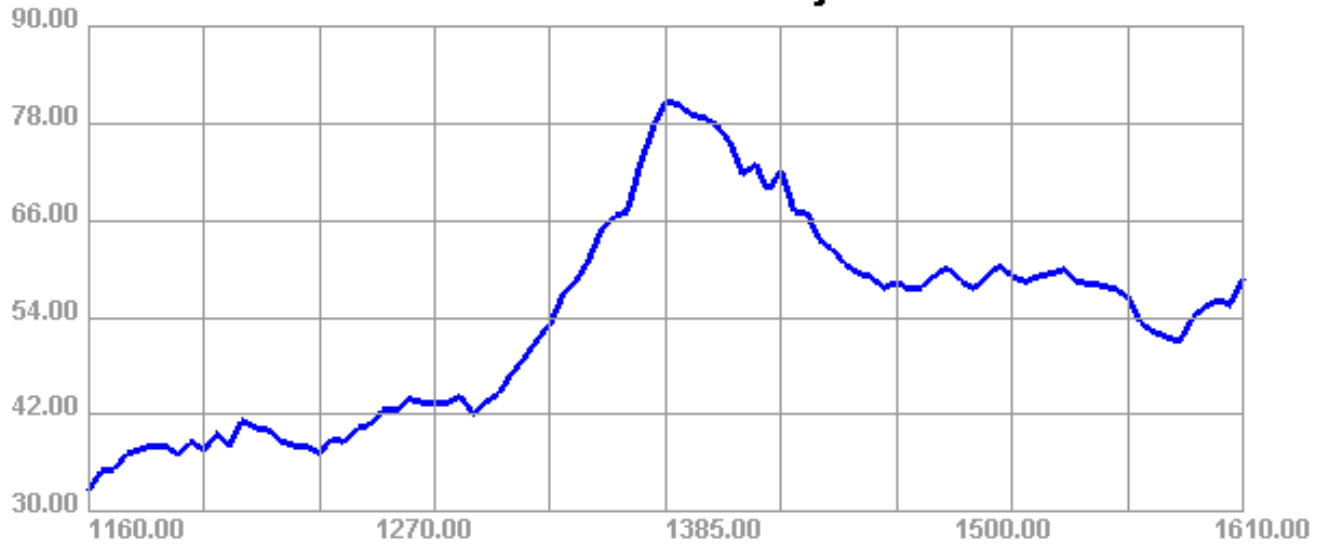
VSWR



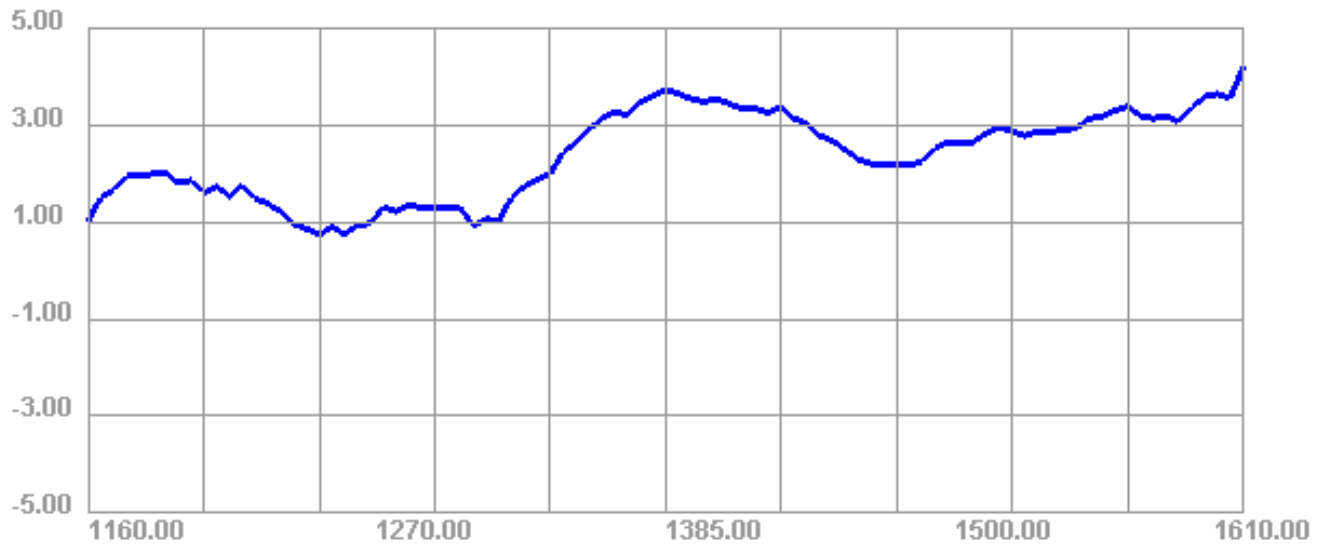
Return Loss



1160.00MHz - 1610.00MHz Efficiency

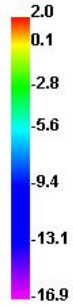
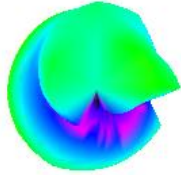


1160.00MHz - 1610.00MHz Gain

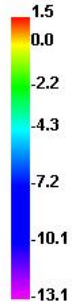
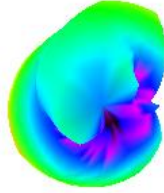


Directional pattern

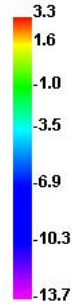
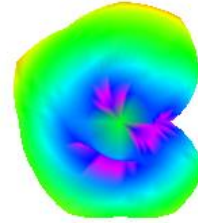
1175.000MHz



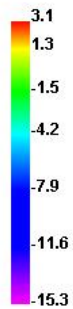
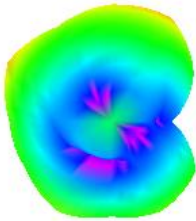
1225.000MHz



1560.000MHz



1575.000MHz



1600.000MHz

