SUNNYWAY

SWG009

PN: SW19057IB93



Sunnyway Technology

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1. Electrical Specifications

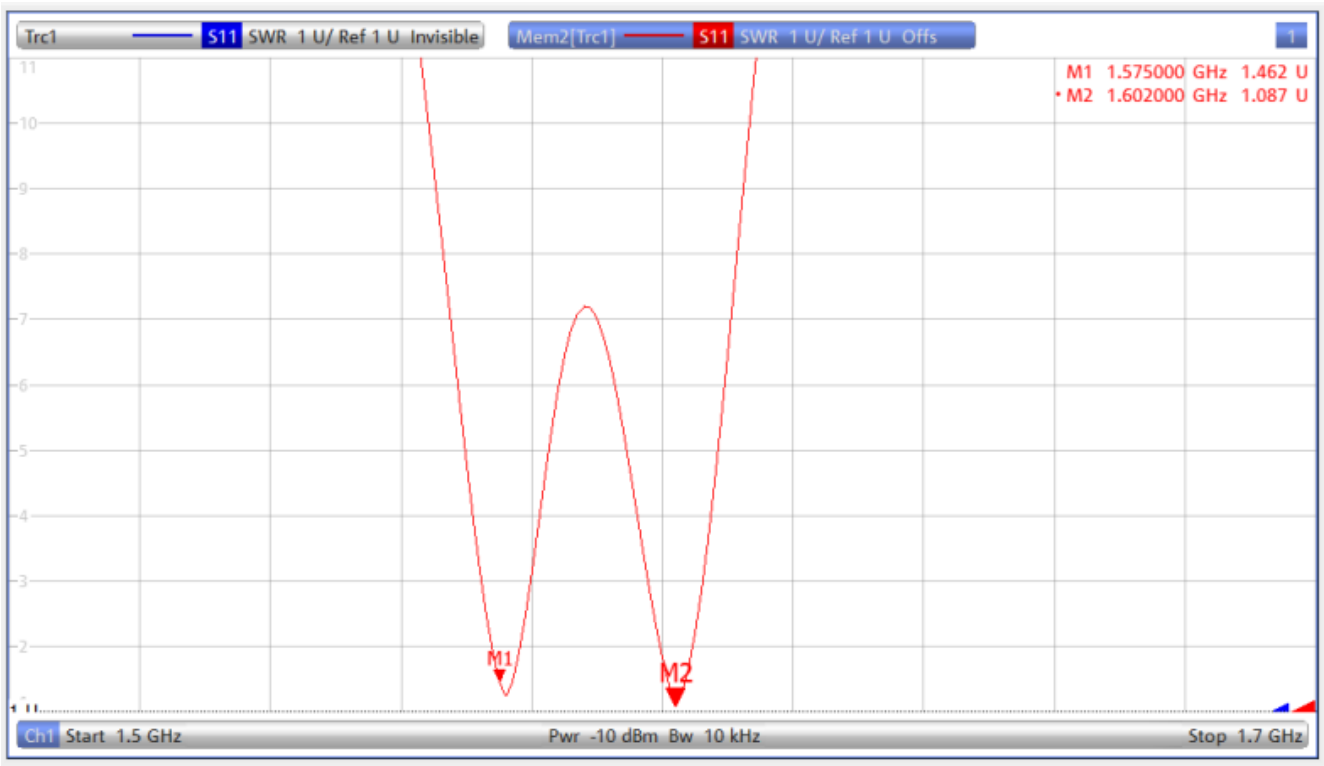
Standards	GPS/GLONASS/GALILEO	
Frequency range (MHz)	1575MHz	1602MHz
Peak Gain (dBi)	-4.71dBi	-2.46dBi
Average Gain (dB)	-8.01dB	-7.25dB
VSWR	1.46	1.08
Return Loss	-14.53	-27.64
Efficiency (%)	15.8%	18.8%
Polarization mode	Circular polarization	Circular polarization
Radiation pattern	Hemispherical	Hemispherical

2. Mechanical and Environmental Specification

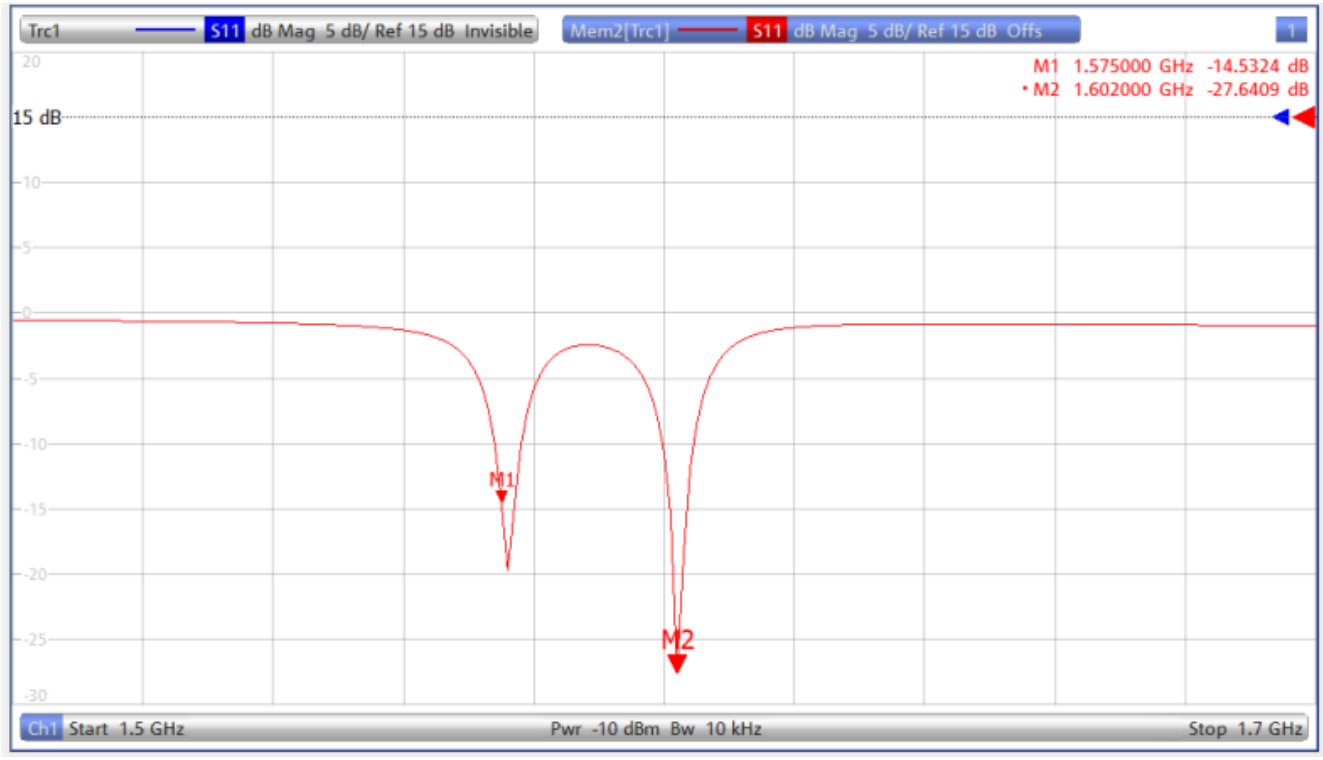
Mounting Type	Adhesive
Adhesive Type	3M9448A
Connector Type	Welding
Antenna size(mm)	10mm (L) x10 mm (W) x 4mm (H)
Material	Ceramic
Operating Temperature (˚C)	-40 ˚C ~ +85 ˚C
Storage Temperature(˚C)	-40 ˚C ~ +85 ˚C

3. Antenna parameters

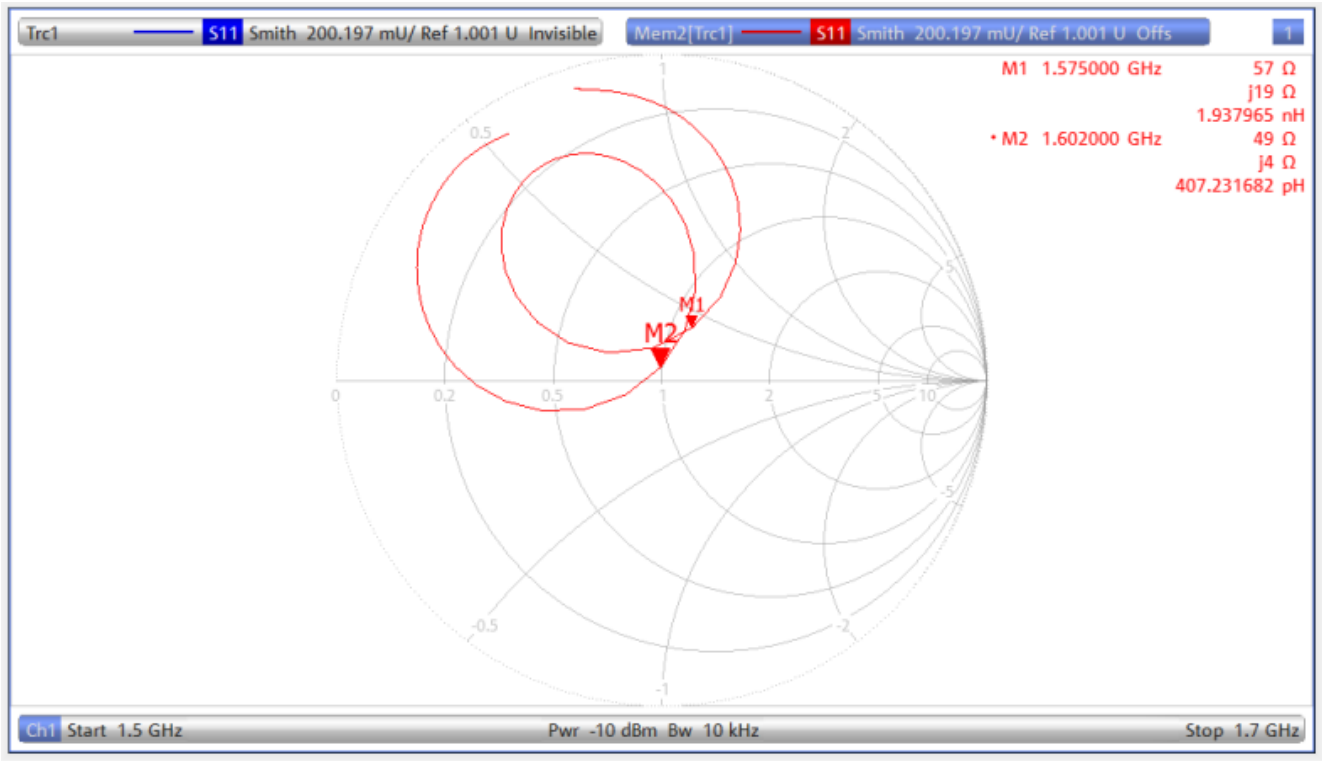
FRE（MHz）	1575	1602
VSWR	1.46	1.08
Return Loss	-14.53	-27.64
UEff (%)	15.8	18.8
PEAK Gain (dBi)	-4.71	-2.46



VSWR

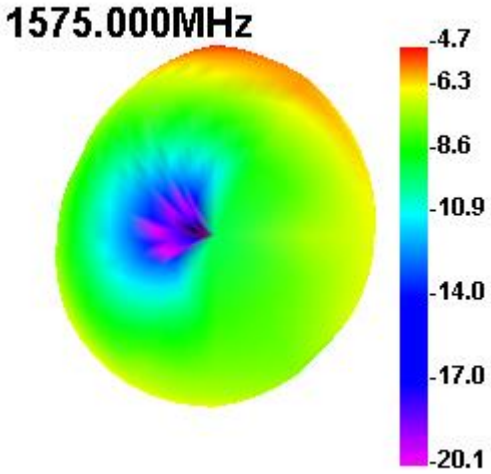


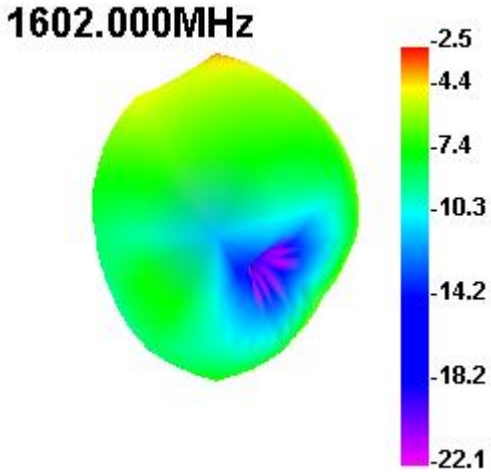
Return Loss



Smith

Directional pattern





4. Antenna Drawings

