SUNNYWAY

SWG014

PN: SW20024IB93



Sunnyway Technology

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1. Electrical Specifications

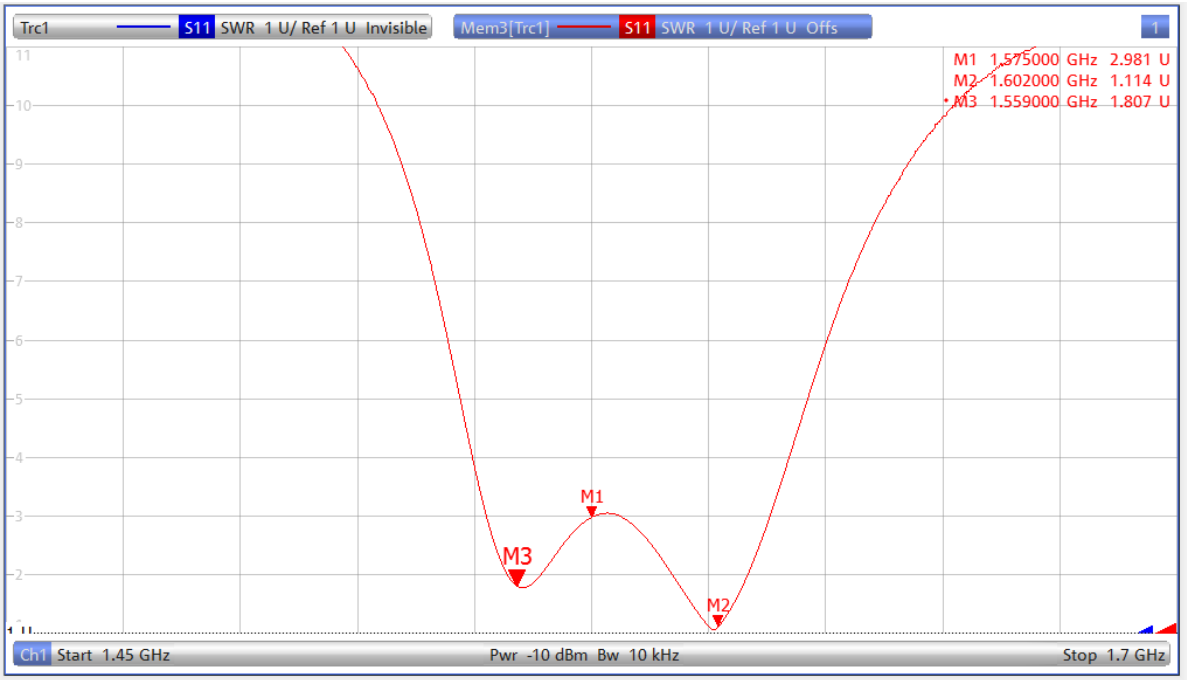
Standards	GPS/GLONASS/GALILEO/BEIDOU		
Frequency range(MHz)	1559MHz	1575MHz	1602MHz
Peak Gain (dBi)	2.04dBi	2.14dBi	3.02dBi
Average Gain (dB)	-2.41dB	-2.66dB	-2.34dB
VSWR	1.80	2.98	1.11
Return Loss	-10.83	-6.06	-25.42
Efficiency (%)	57.3%	54.2%	58.3%
Polarization mode	Circular polarization	Circular polarization	Circular polarization
Radiation pattern	Hemispherical	Hemispherical	Hemispherical

2. Mechanical and Environmental Specification

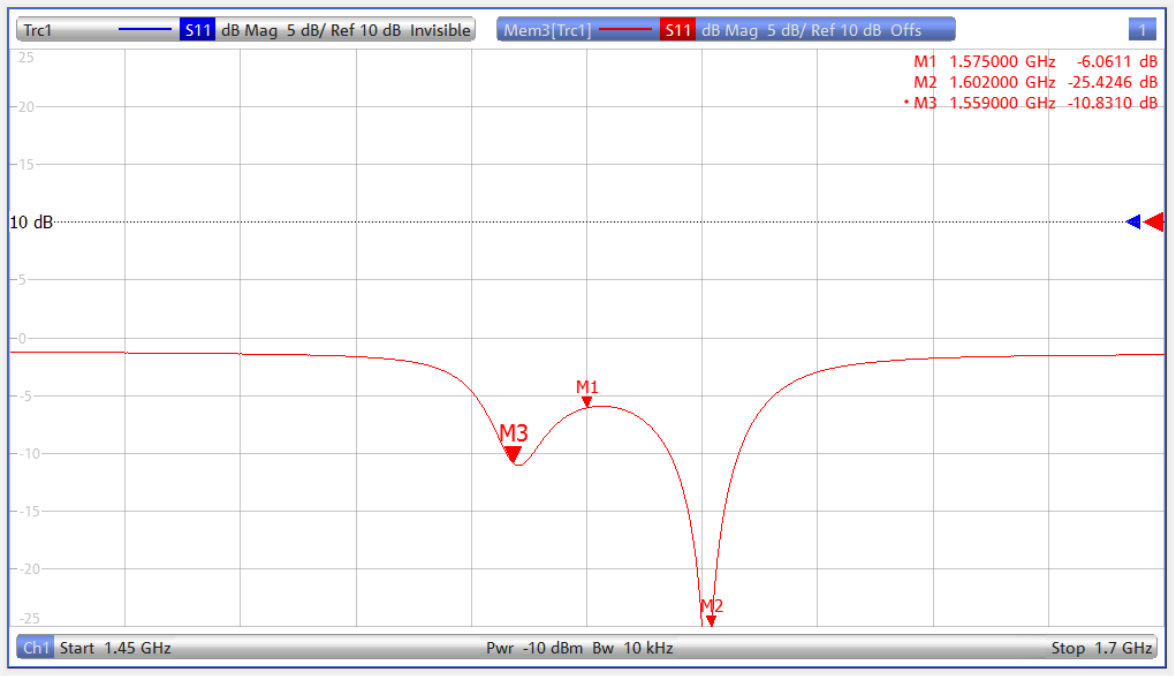
Mounting Type	Adhesive
Adhesive Type	3M9448A
Connector Type	Welding
Antenna size(mm)	18mm (L) x18 mm (W) x 4mm (H)
Material	Ceramic
Operating Temperature (˚C)	-40 ˚C ~ +85 ˚C
Storage Temperature(˚C)	-40 ˚C ~ +85 ˚C

3. Antenna parameters

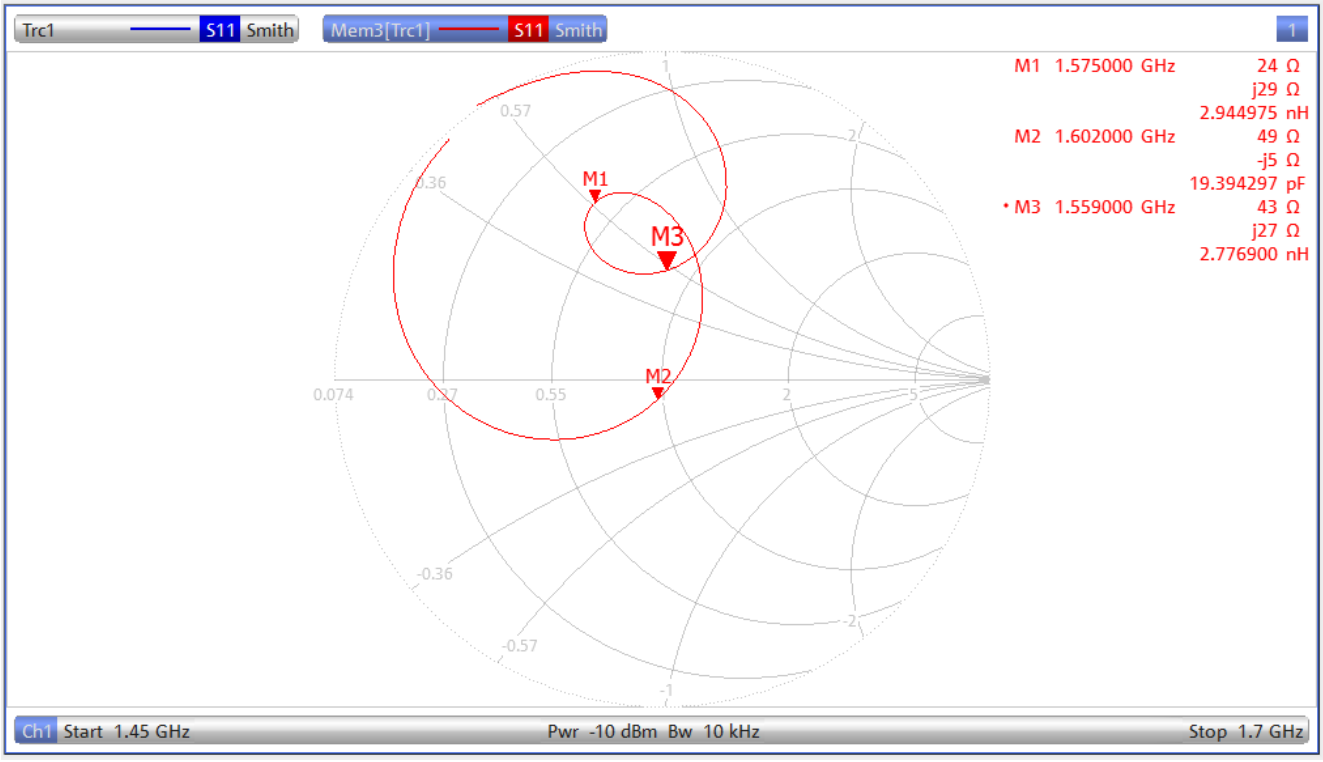
FRE（MHz）	1559	1575	1602
VSWR	1.80	2.98	1.11
Return Loss	-10.83	-6.06	-25.42
UEff (%)	57.3	54.2	58.3
PEAK Gain (dBi)	2.04	2.14	3.02



VSWR

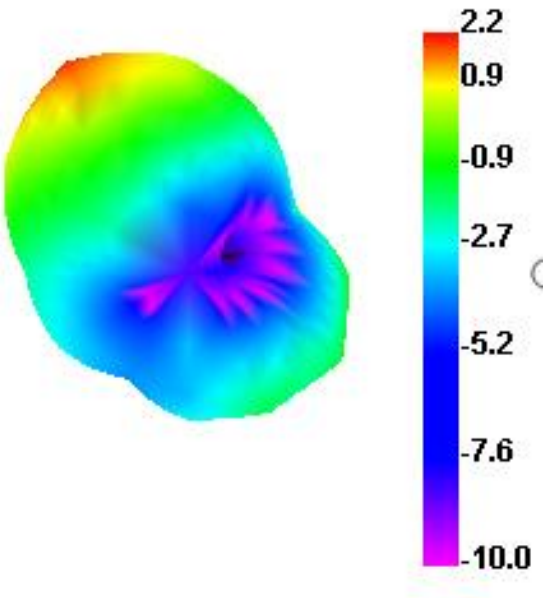


Return Loss



Smith

Directional pattern



4. Antenna Drawings

