



SUNNYWAY

SWG015

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Sunnyway Technology

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1. Electrical Specifications

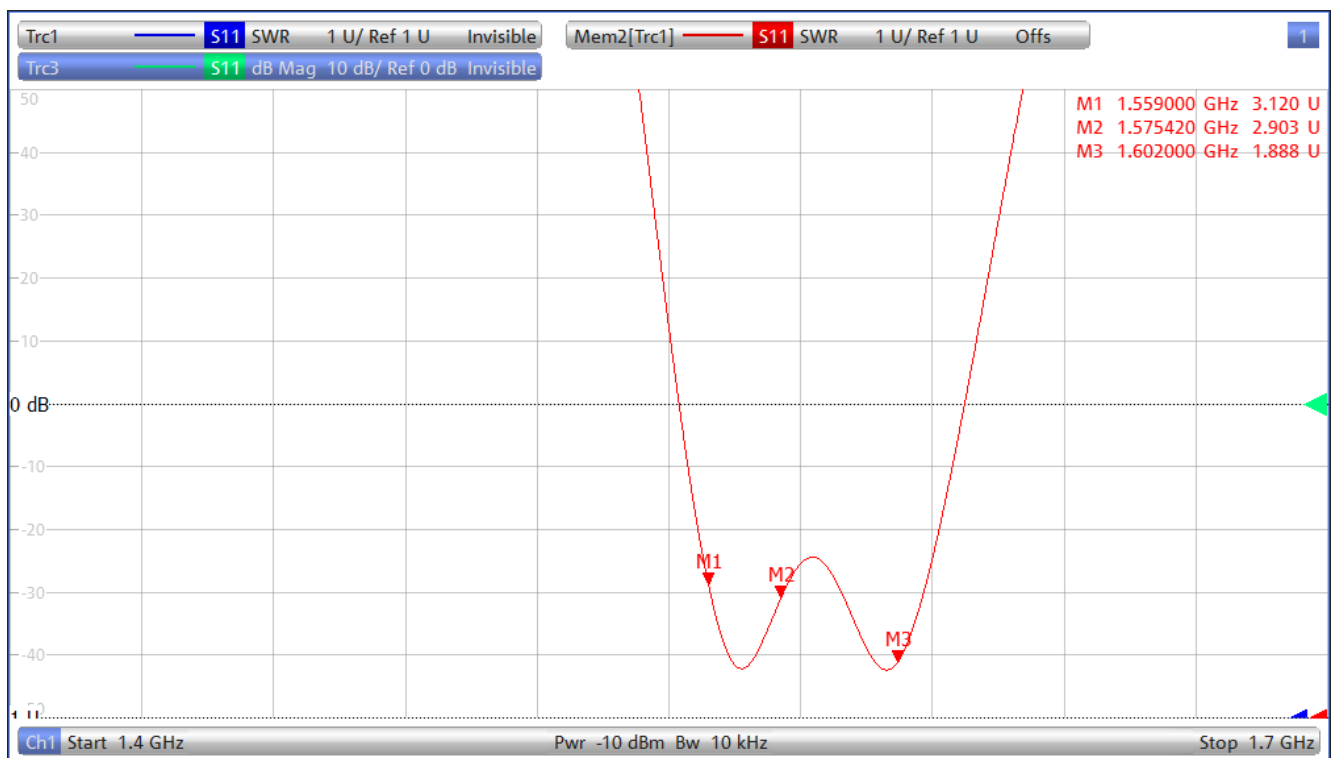
Standards	GPS/GLONASS/GALILEO/BEIDOU		
Frequency range(MHz)	1559 MHz	1575 MHz	1602 MHz
Peak Gain (dBi)	-1.11dBi	0.14 dBi	-0.28 dBi
Average Gain (dB)	-4.92dB	-4.25 dB	-5.02 dB
VSWR	3.12	2.90	1.88
Return Loss	-5.77	-6.23	-10.24
Efficiency (%)	32.2%	37.63%	31.49%
Polarization mode	Circular polarization	Circular polarization	Circular polarization
Radiation pattern	Hemispherical	Hemispherical	Hemispherical

2. Mechanical and Environmental Specification

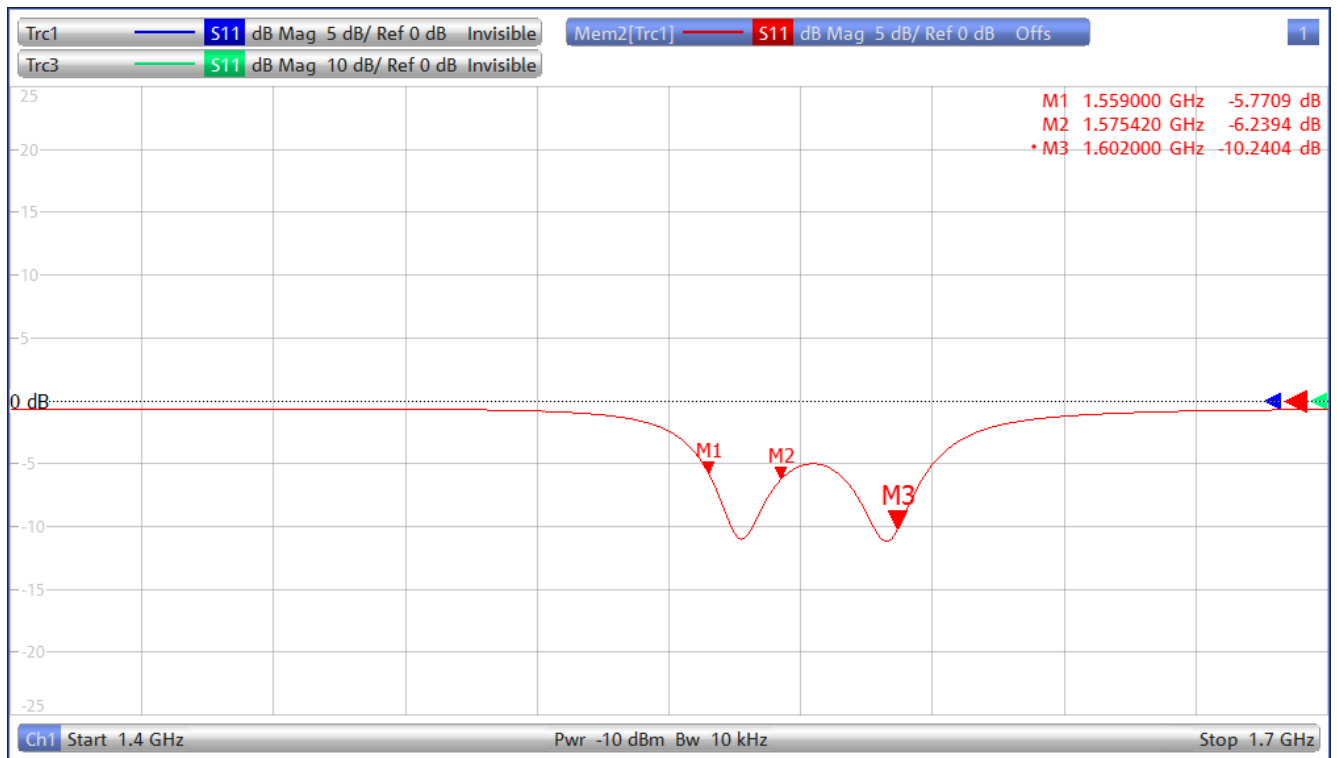
Mounting Type	Adhesive
Adhesive Type	3M9448A
Connector Type	Welding
Antenna size(mm)	20mm (L) x20 mm (W) x 4mm (H)
Material	Ceramic
Operating Temperature (°C)	-40 °C ~ +85 °C
Storage Temperature(°C)	-40 °C ~ +85 °C

3. Antenna parameters

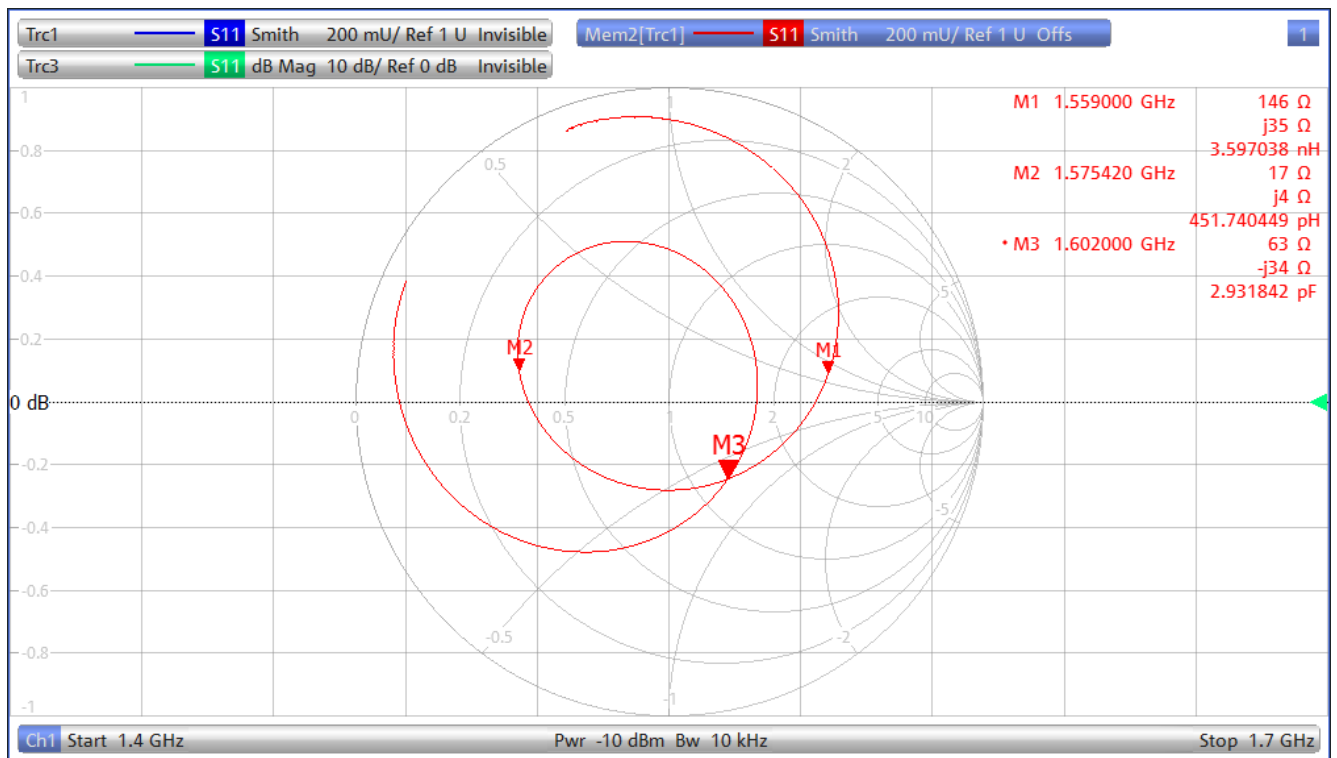
FRE (MHz)	1559	1575	1602
VSWR	3.12	2.90	1.88
Return Loss	-5.77	-6.23	-10.24
UEff(%)	32.2	37.63	31.49
Average Gain(dB)	-4.92	-4.25	-5.02



VSWR

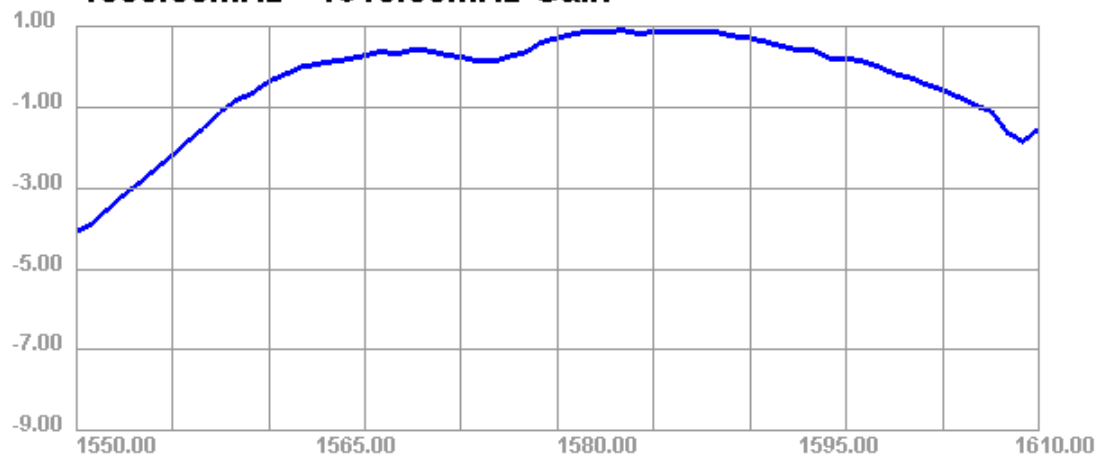


Return Loss

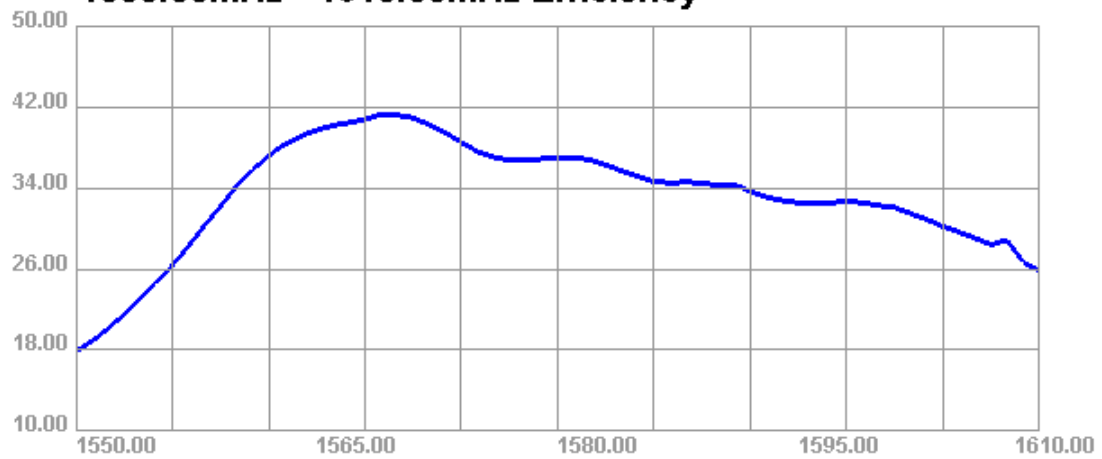


Smith

1550.00MHz - 1610.00MHz Gain

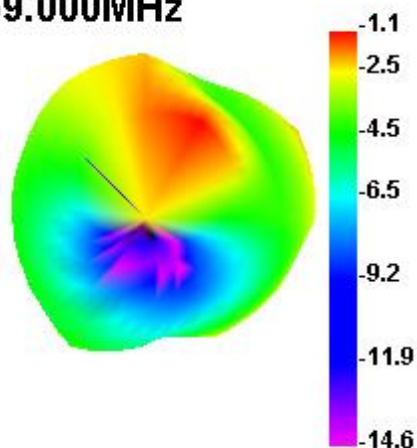


1550.00MHz - 1610.00MHz Efficiency

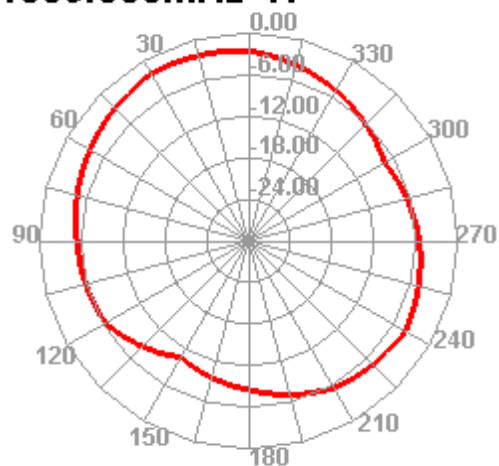


Directional pattern

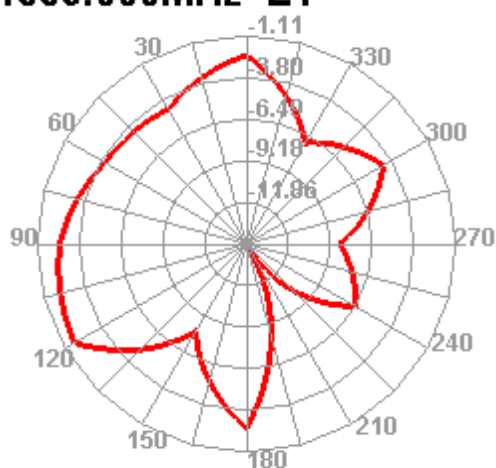
1559.000MHz



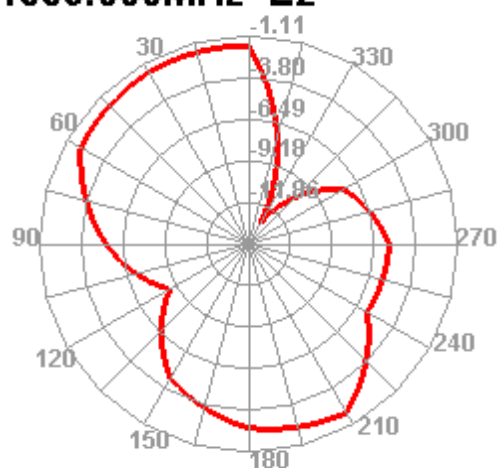
1559.000MHz H



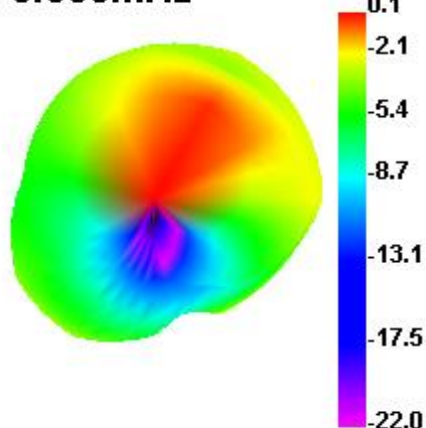
1559.000MHz E1



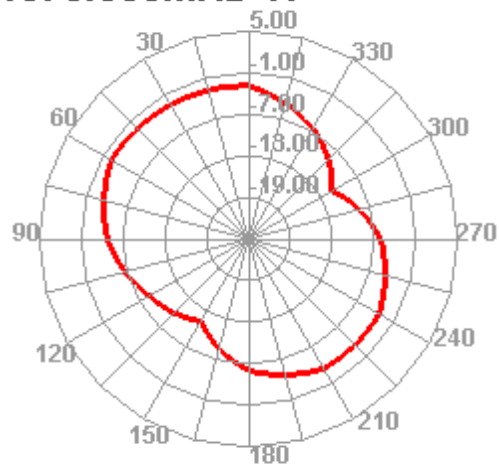
1559.000MHz E2



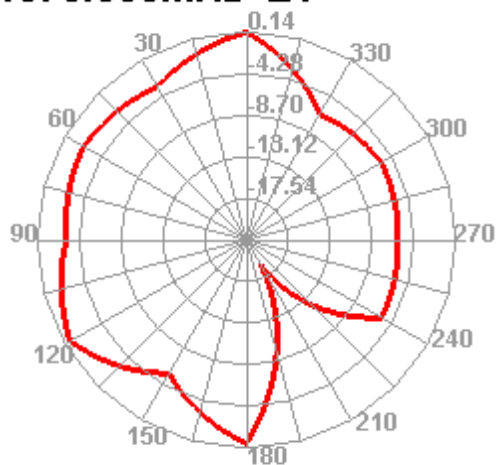
1575.000MHz



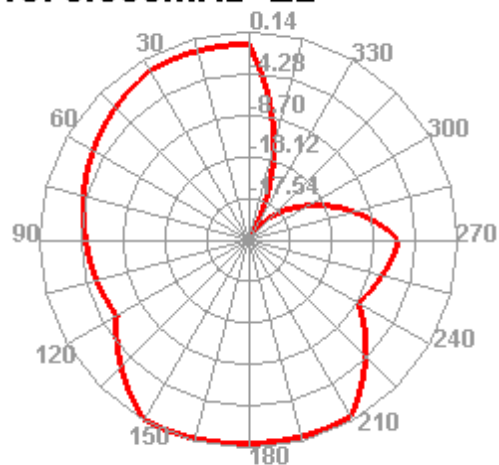
1575.000MHz H



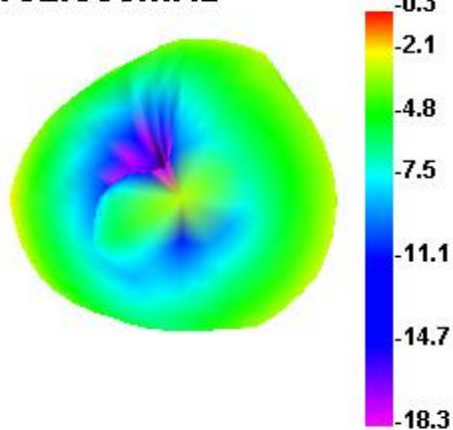
1575.000MHz E1



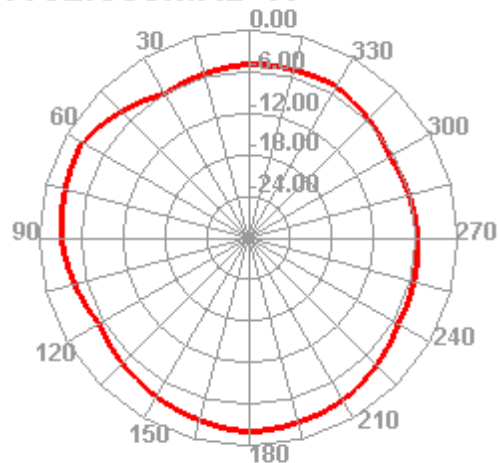
1575.000MHz E2



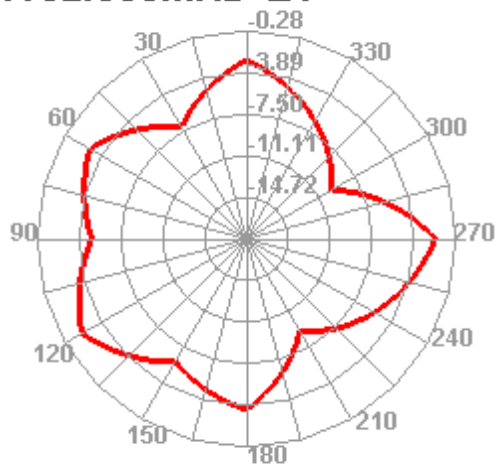
1602.000MHz



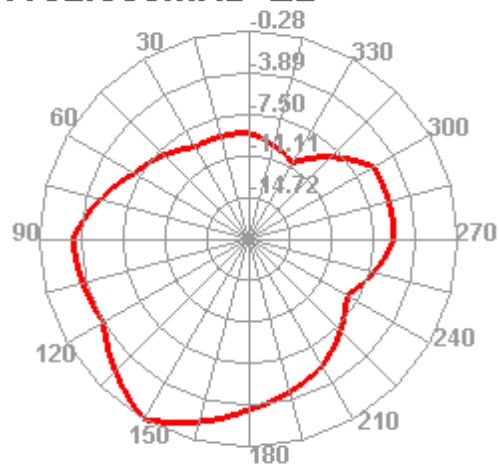
1602.000MHz H



1602.000MHz E1



1602.000MHz E2





4. Antenna Drawings

