

Active GNSS

GNSS IP66&IP67 Active 30dB RHCP Antenna

W4053T4572 – 1560 to 1606MHz



Features & Applications:

-  1560~ 1606MHz
-  Radiator polarization: RHCP
-  LNA Gain 30dB
-  Lineup: Antenna-Filter1-LNA1-Filter2-LNA2
-  Current consumption: <10mA
-  IP66 & IP67
-  GPS, Glonass, Beidou
-  Active antenna for timing
-  Location based services

ELECTRICAL SPECIFICATIONS @ 25°C

General Specifications		
Antenna type	Nominal Impedance	Polarization
Patch antenna	50 Ω	RHCP
Frequency (MHz)	1561.098 ± 2.046/ 1575.42 ± 1.023/ 1602.5625 ± 4	
Return Loss (dB)	<-4 dB @ 1561 MHz <-10 dB @ 1575 MHz <-10 dB @ 1602 MHz	
Gain (Radiating element)	1 dBic ± 1 dB	
LNA Gain	30dB ± 2 dB	
Current consumption	<10 mA	

MECHANICAL SPECIFICATIONS

W4053T4572

Dimension (Diameter x Height)	Weight	Color	Cable type	Connector Type	Cable length
Φ 42.17 x 21 mm (Φ 1.66" x .827")	420 g	Gray	LMR-100 (VW-1/FT-1 flame rating)	TNC Male	4572 mm / 180 in

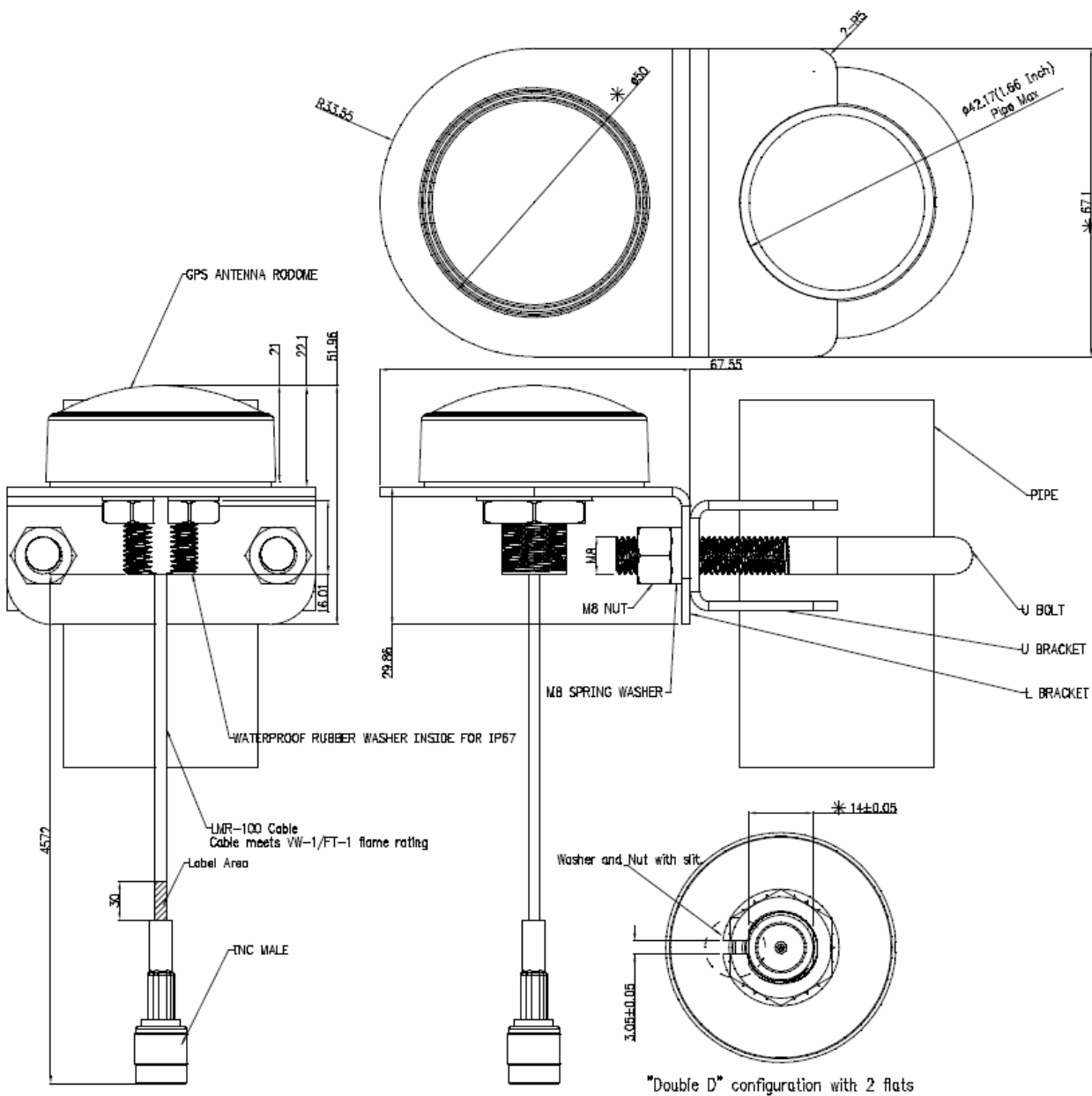
ENVIRONMENTAL SPECIFICATIONS

W4053T4572

Storage Temperature	Operating Temperature	Ingress Protection	RoHS Compliant
-40 / +85° C	-40 / +85° C	IP66 & IP67	Yes

Mechanical Drawing

W4053T4572

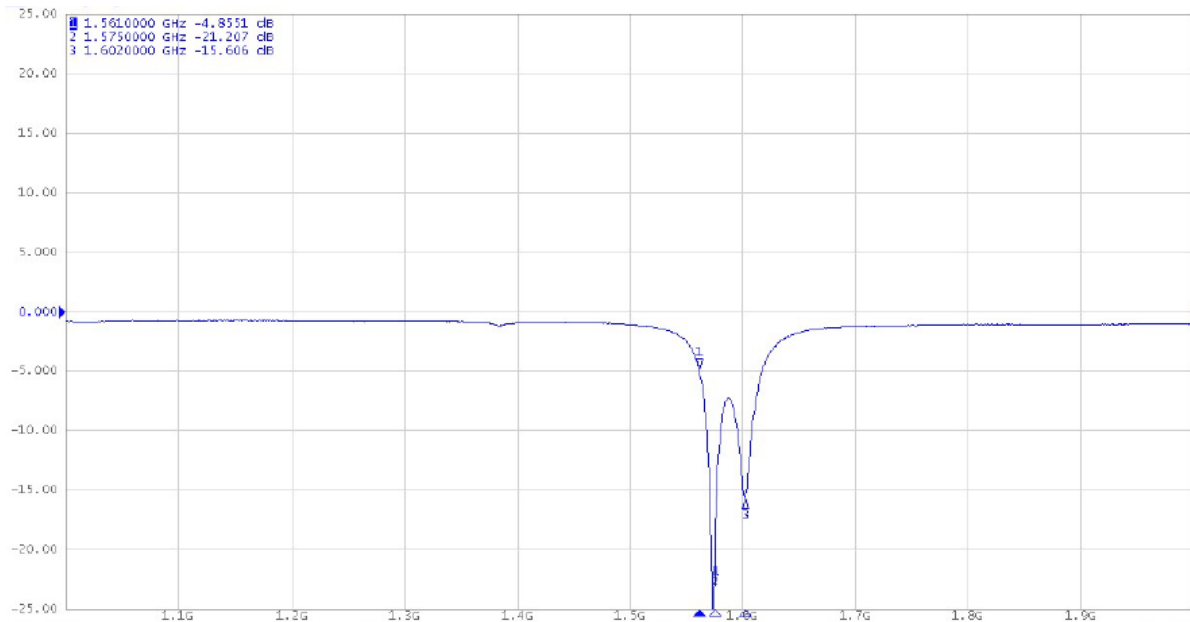


Unit:mm

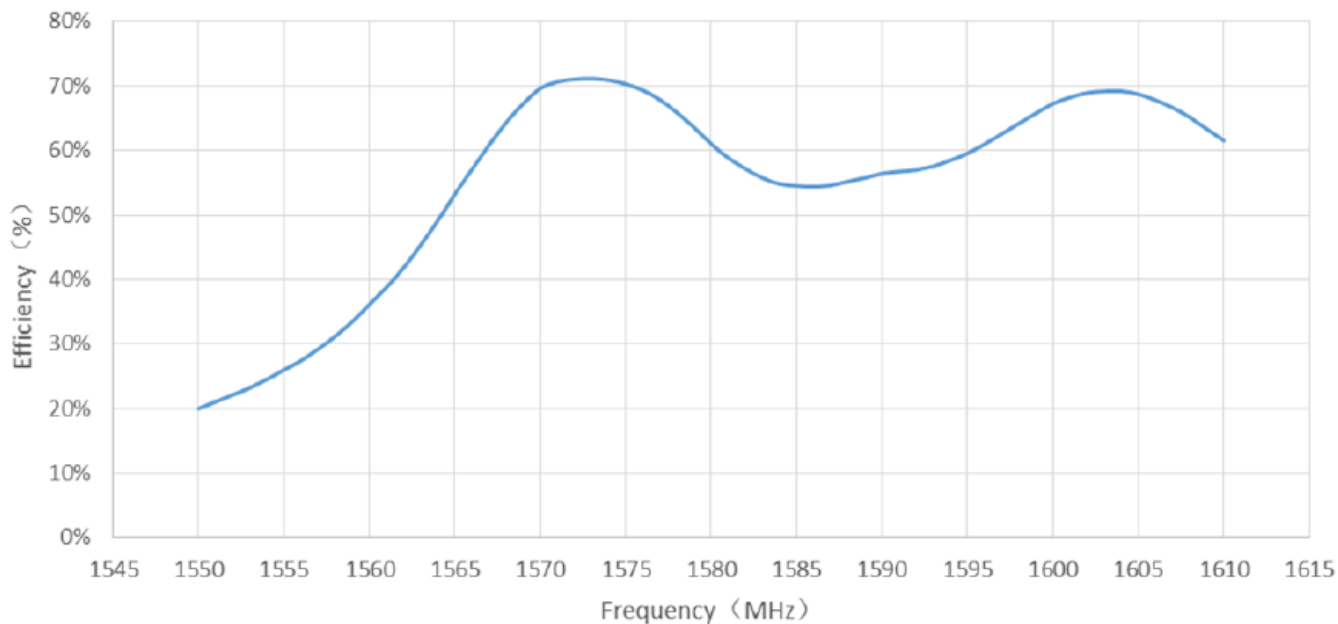
Charts

Test data

Return Loss



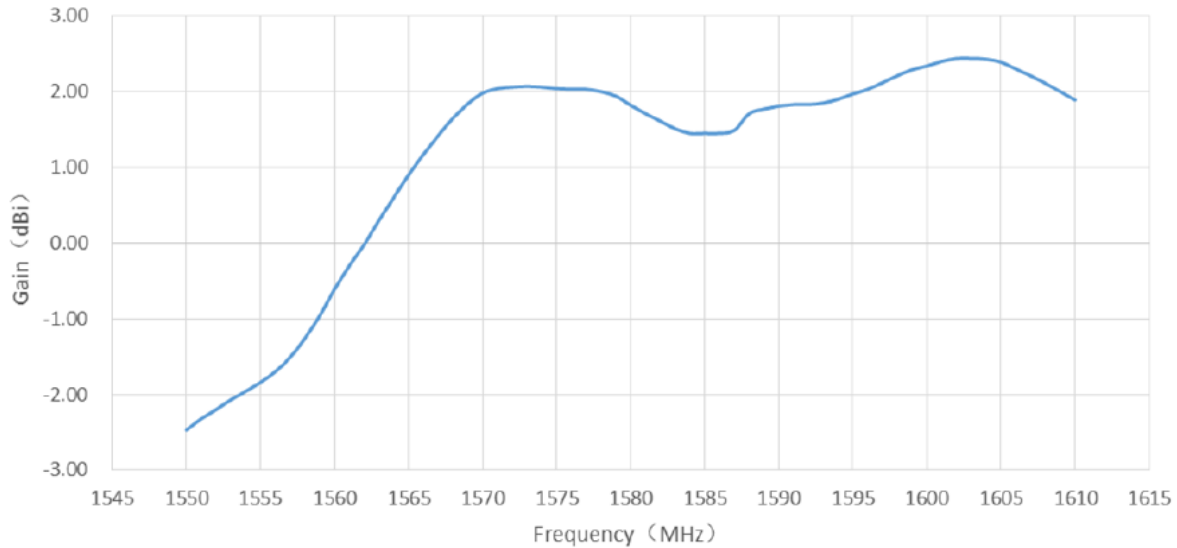
Efficiency



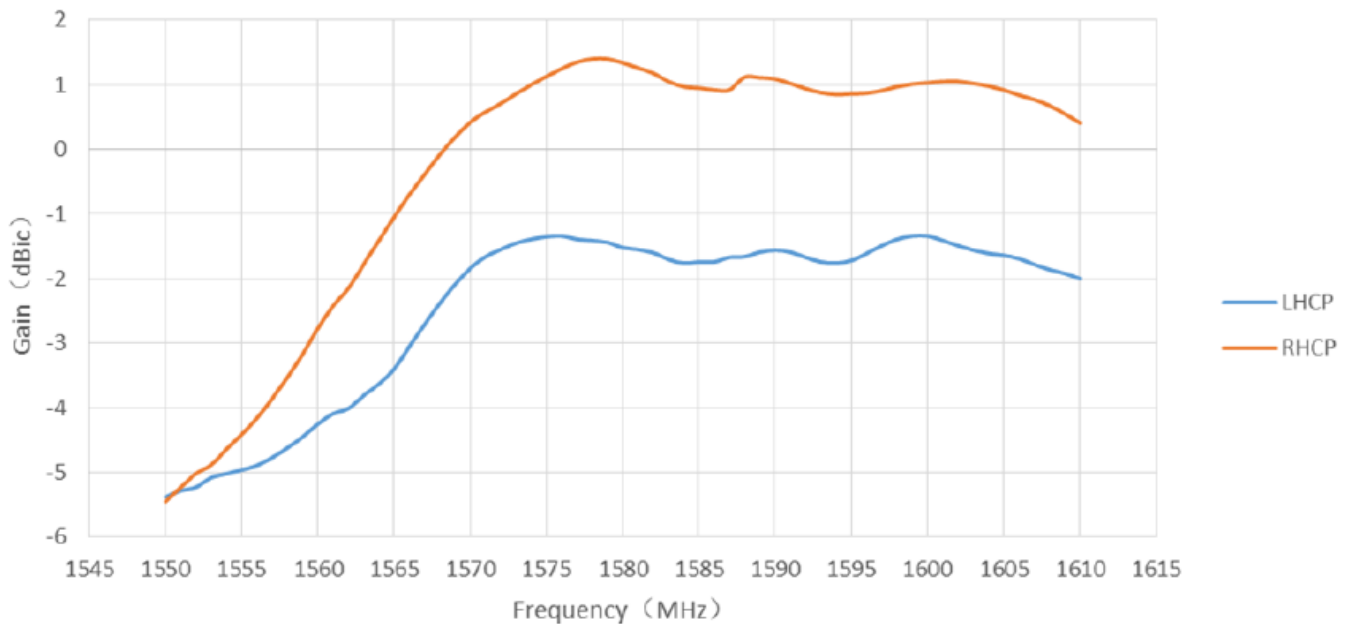
Charts

Test data

Gain



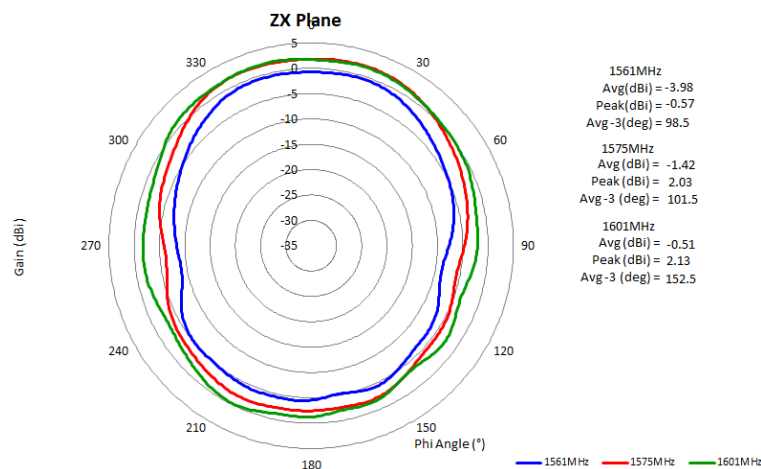
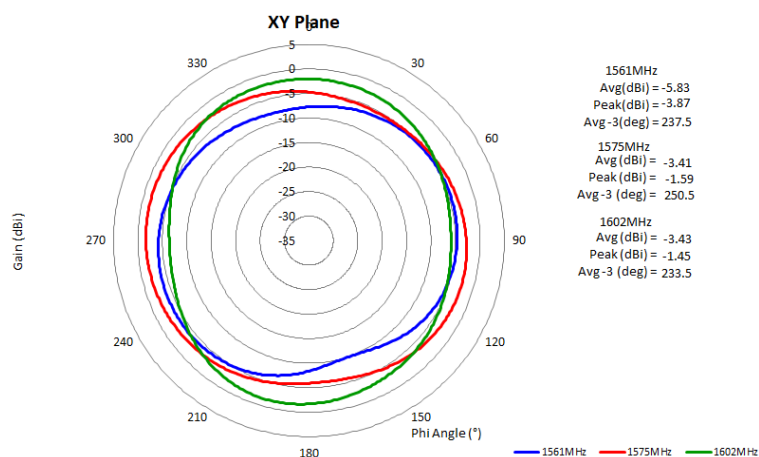
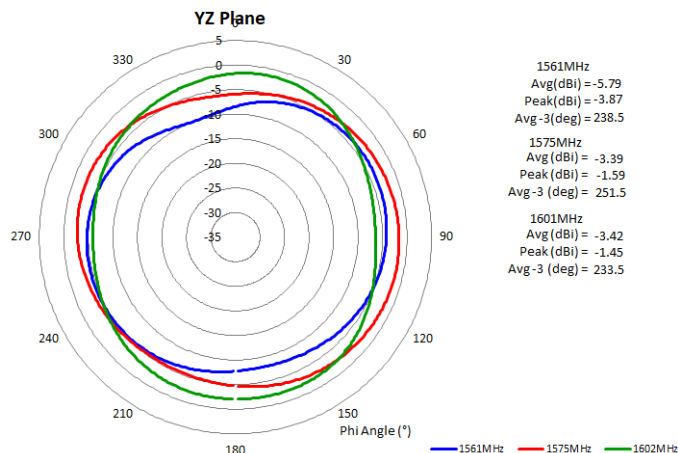
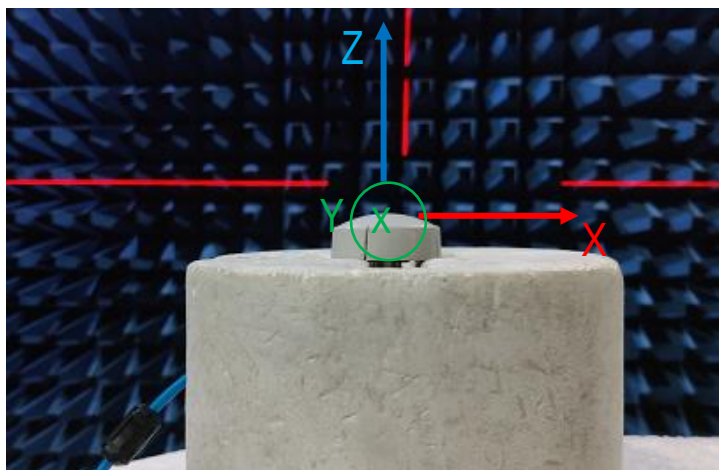
RHCP Gain and LHCP Gain



Charts

Test data

Radiation Pattern (without ground plane)



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PACKAGING

W4053T4572

1.Put the bracket and the bolt into a PE bag	 
2.Put the antenna into a bubble bag	  品名: W4053T4572 数量: 1 PCS 日期: 2022-04-11
3.1 bracket and 1antenna as a set, put it into a cell of the box, 36 sets per carton box.	  

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