

YIC



GNSS External Active Antenna ATGGB4666-N

Datasheet

Revision History

Date	Reversion	Description
2024/1/23	1.0	First Draft, Based on YIC

1. Product Information

1.1 Product Description

This product can be used as various L1 GPS/ GLONASS /Beidou/Galileo/QZSS navigation, clock, positioning.

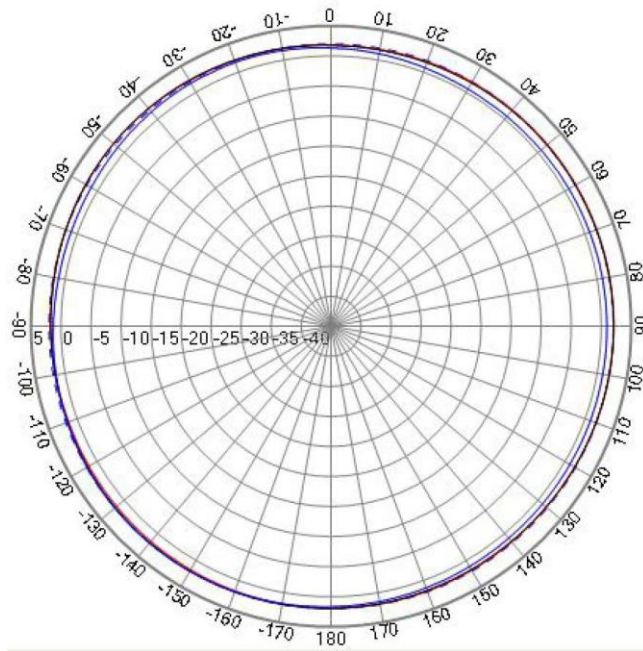
Antenna band : 1561.098-1602MHz

2. Part NO. : ATGGB4666-N

3. Overall Performance (Antenna Element & Cable)

Item	Specifications	
Antenna	Frequency Range	1561.098~1602MHz
	Polarization	RHCP
	Axial Ratio	4dB@90°,6dB@20°
	V.S.W.R	≤2.0
	Peak Gain	5dB _{ic} @100 mm Ground Plane (Zenith)
	Impedance	50Ω
LNA	Gain	40dB, Typ.
	Noise Figure	≤2.0dB
	Supply Voltage	2.7~10V DC
	Current Consumption	≤40mA
	V.S.W.R	≤2.0
	Extra_band Attenuation	≥70dB@f ₀ ±100MHz
Mechanical	Connector	N Male
	Radome Material	ABS
	Mounting Method	Screw
Environmental	Operating Temperature	-40 ~ 85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP67
	Vibration	3 Axis,10 to 200Hz,Sweep 15 min,3G
	Shock	Vertical Axis:50G,Other Axis:30G
	Environmentally Friendly	ROSH Compliant
	ESD Protection	15KV Air Discharge
	Surge Immunity	GB/T17626.5-1999 Level 4(4.0KV)

4. Radiation Pattern XY Plane

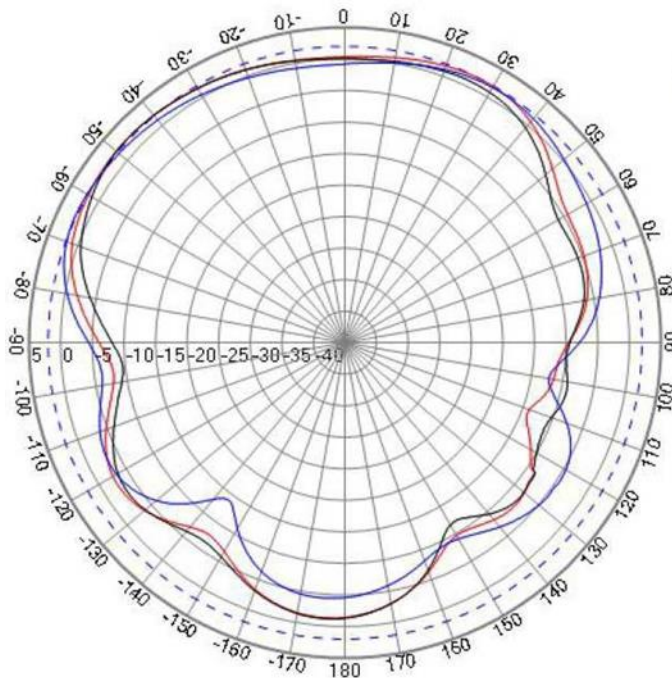


測試頻率:1561

測試頻率:1575

測試頻率:1602

XZ Plane

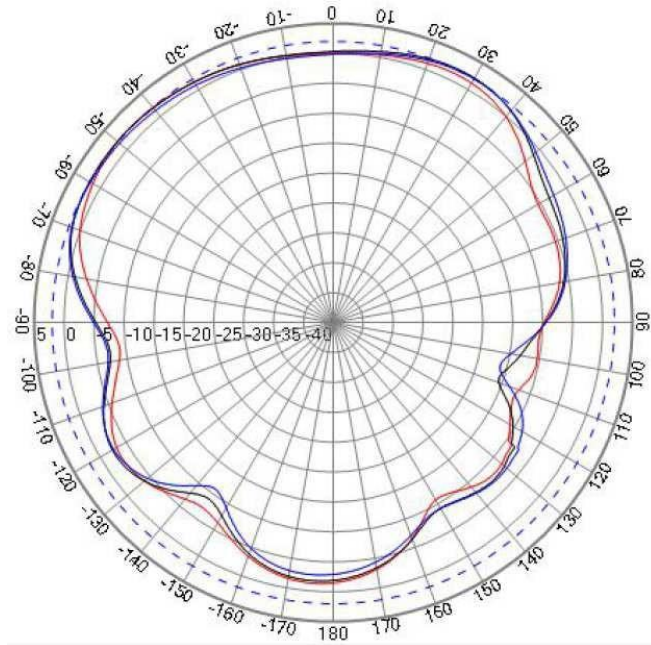


測試頻率:1561

測試頻率:1575

測試頻率:1602

YZ Plane



測試頻率:1561

測試頻率:1575

測試頻率:1602

5. Dimensions

