



1. Electrical Specifications

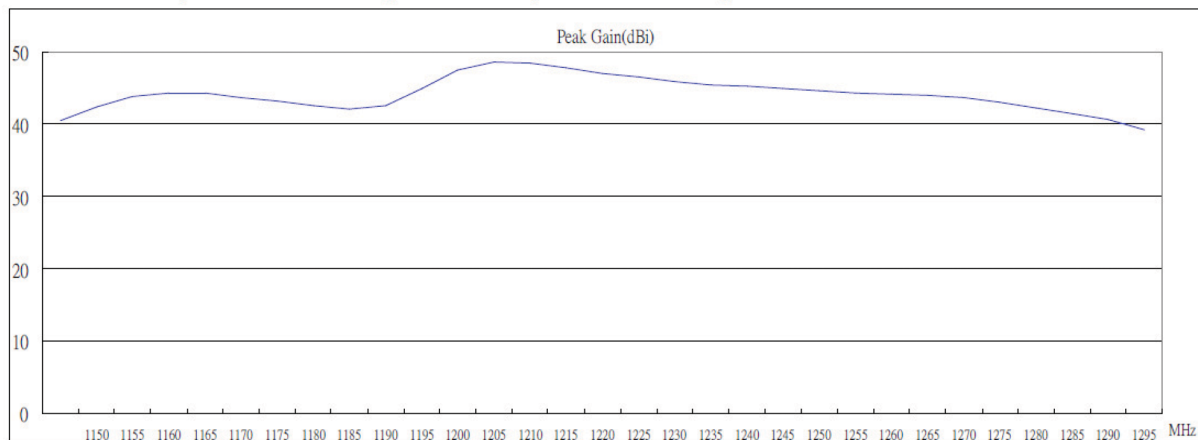
Passive Antenna

Frequency Range	GPS L1 & BDS B1 & GLONASS G1 & Galileo E1 : 1559MHz~1605MHz GPS L2,L5 & GLONASS G2, G3 & BDS B2,B3 & Galileo E5a,E5b : 1164MHz~1254MHz
Gain	elevation angle $90^\circ \leq 5\text{dBi}$ elevation angle $20^\circ \leq 0\text{dBi}$ elevation angle $10^\circ \leq -3\text{dBi}$
Axial Ratio	elevation angle $90^\circ \leq 3\text{dB}$ elevation angle $15^\circ \leq 5\text{dB}$
Polarization	RHCP
Front to back Power($\pm 60^\circ$)	$\leq 15\text{dB}$
Phase Center Error	$< 2.0\text{mm}$

LNA Module

VSWR	< 2.0
Module Gain	40 dB Min.
Noise Figure	< 2.0
Output Impedance	50Ω
Operation Voltage	DC 3.3 ~ 18V
Current	$< 45\text{mA}$

GPS L2,L5 & GLONASS G2,G3 & BDS B2,B3 & Galileo E5a,E5b

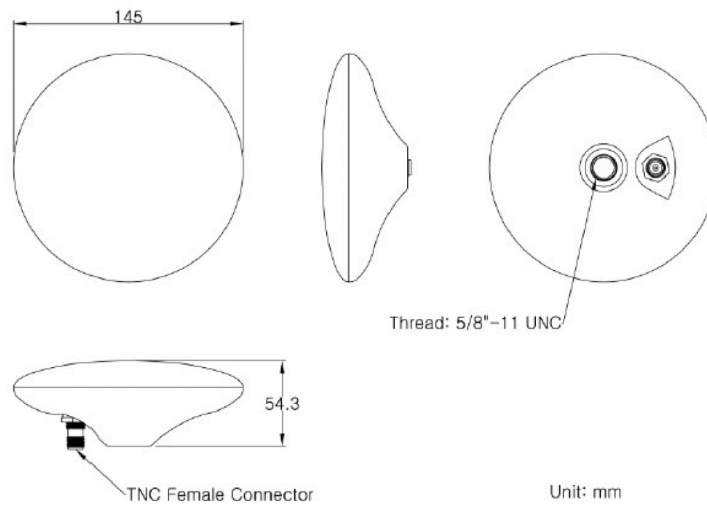


2. Mechanical Specifications

2.1 Mechanical Data

Weight	395 grams max.
Housing Material	ASA
Dimension	Ø145×54.3 mm
Mounting	Screw Mounting (5/8"-11 UNC)
Connector	TNC Female

Dimensions



3. Environmental Specifications

Working Temperature	-45°C < T < +85°C
Storage Temperature	-55°C < T < +85°C
Humidity	95%
Weatherproof	IP67

