

# Multiband GNSS (GPS/GLONASS/BeiDou/Galileo) - FPC Antenna

AFAG3030-SG3

Request Samples



Check Inventory



30 x 30 x 0.2 mm  
RoHS/RoHS II Compliant  
MSL Level = N/A

## Features

- Multiband GNSS Coverage – GPS/GLONASS/BeiDou/Galileo
- Ultra-Low Profile
- Flexible Structure
- Peel-and-stick Mount
- Easy installation using IPEX Connector (Customizable Cable and Connector Options)

## Applications

- IoT
- M2M
- Geofencing
- Remote Monitoring
- Logistics and Tracking
- Surveying and Mapping Systems

## Electrical Specifications

Parameter	Specification			Unit
	Min	Typ	Max	
Operating Frequency*	1550		1620	MHz
Bandwidth		70		MHz
VSWR			2.5	
Gain	Peak	2 ~ 3		dBi
	Average	0~1		
Input Power			3	W
Impedance	50			$\Omega$
Polarization	Vertical			
Radiation Pattern (Azimuth)	Omni-directional			

\* All test measurements were conducted with the antenna on a 2 mm thick ABS surface. Please note that the operating frequency shifts with a change in housing material and thickness.

## Mechanical Specifications

Parameter	Specification
Antenna Dimension	30 x 30 x 0.2 mm
Material	FPC
Mounting Type*	Adhesive Tape (3M 467MP)
RF Connector	IPEX - 1
RF Cable	$\text{\O}1.13$ mm, L = 100 $\pm$ 5 mm

\*Do not mount the antenna on a metal surface.



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REVISED: 01-03-20

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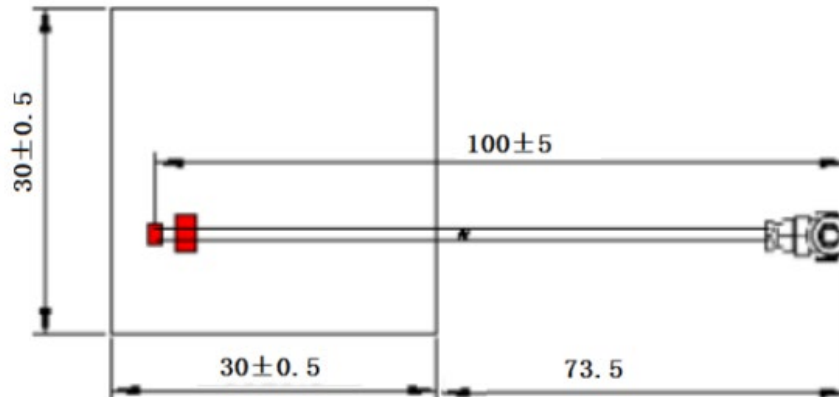


30 x 30 x 0.2 mm  
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## Environmental Specification

Parameter	Specification
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
RoHS Compliance	Yes
PB Free	Yes
MSL	Not Applicable
ESD Sensitive	Yes
Vibration	10 ~ 55 Hz with 1.5 mm amplitude 2 hrs

## Product Dimension



Unit : mm

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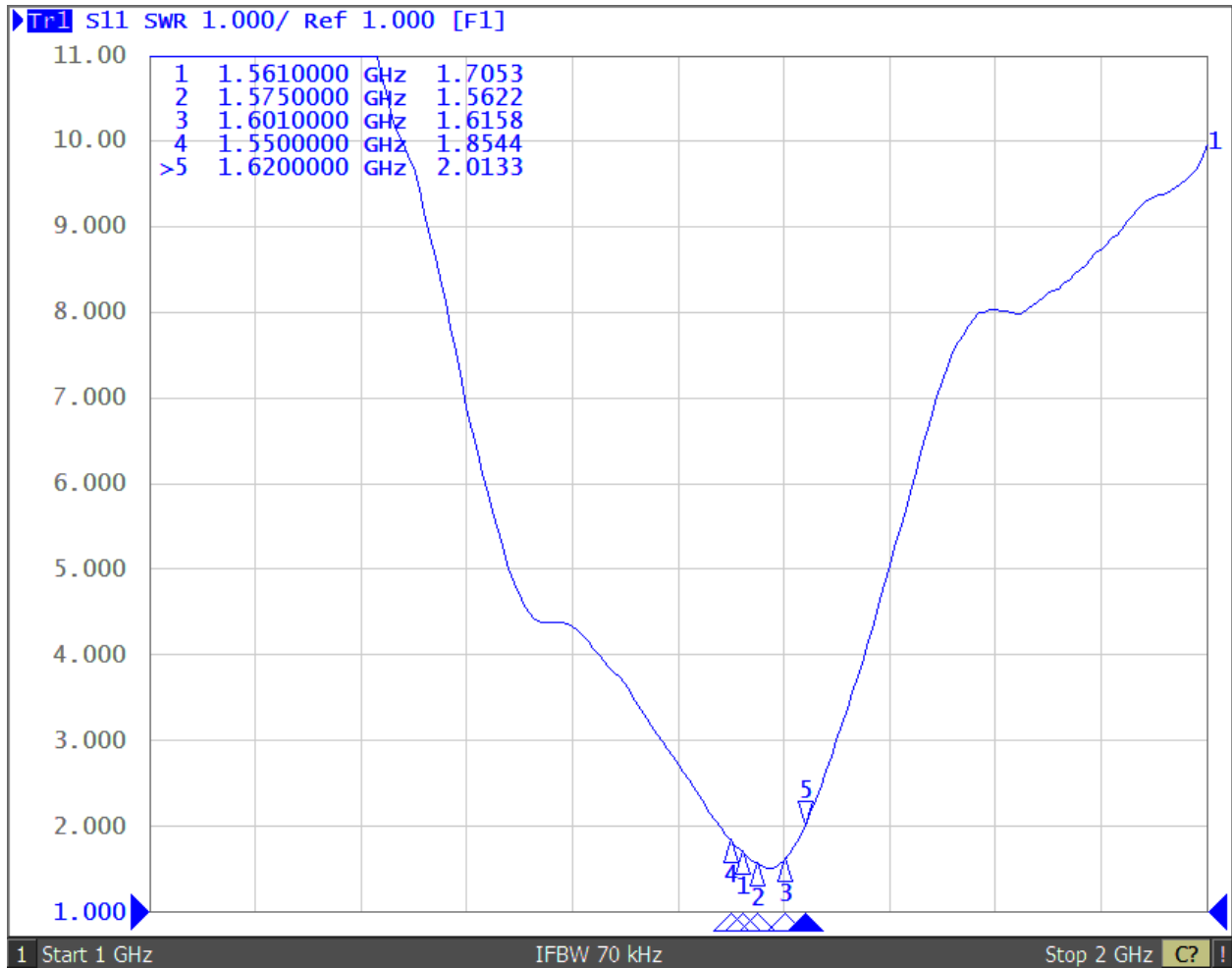


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## Test Measurement - VSWR



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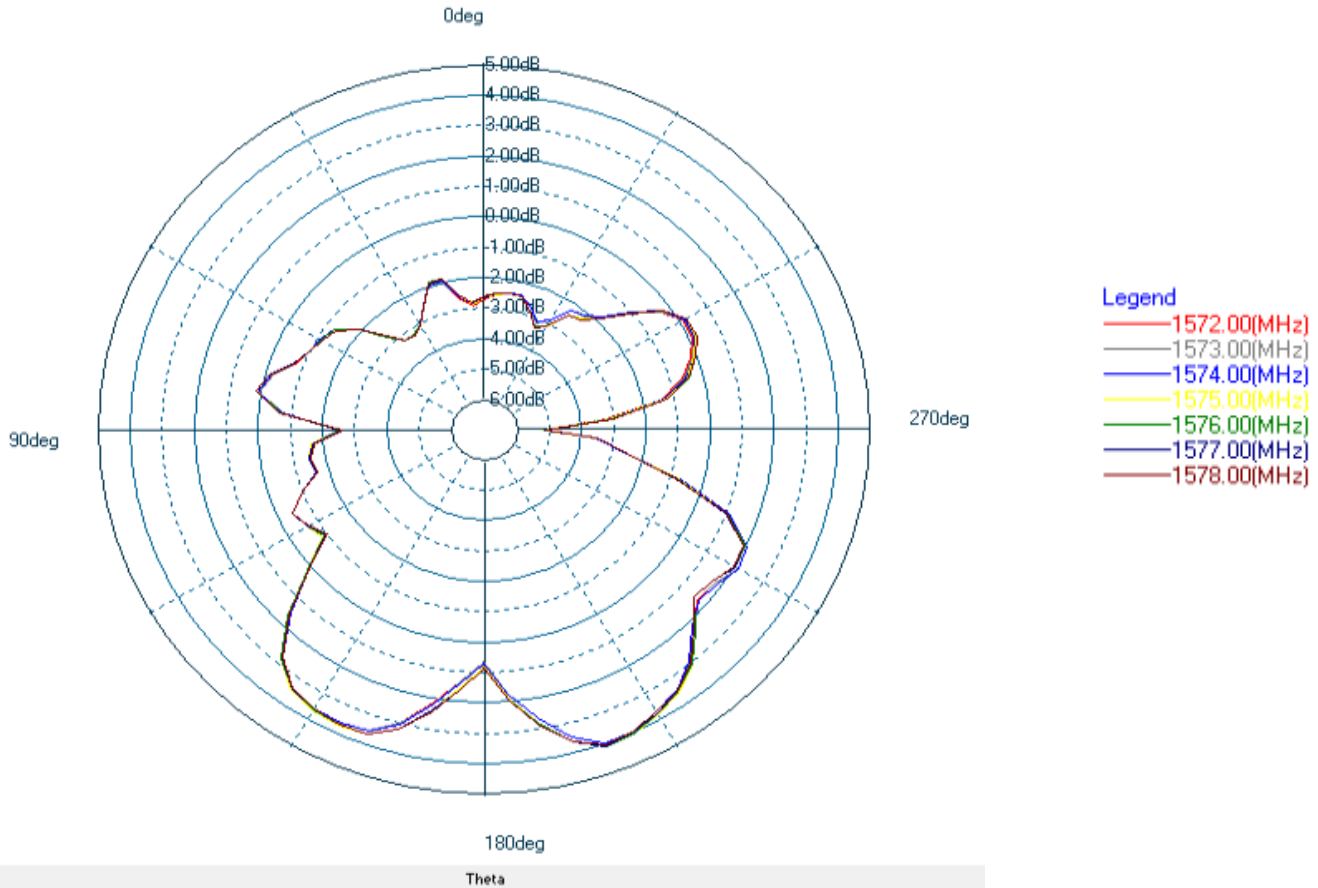


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## Radiation Characteristics



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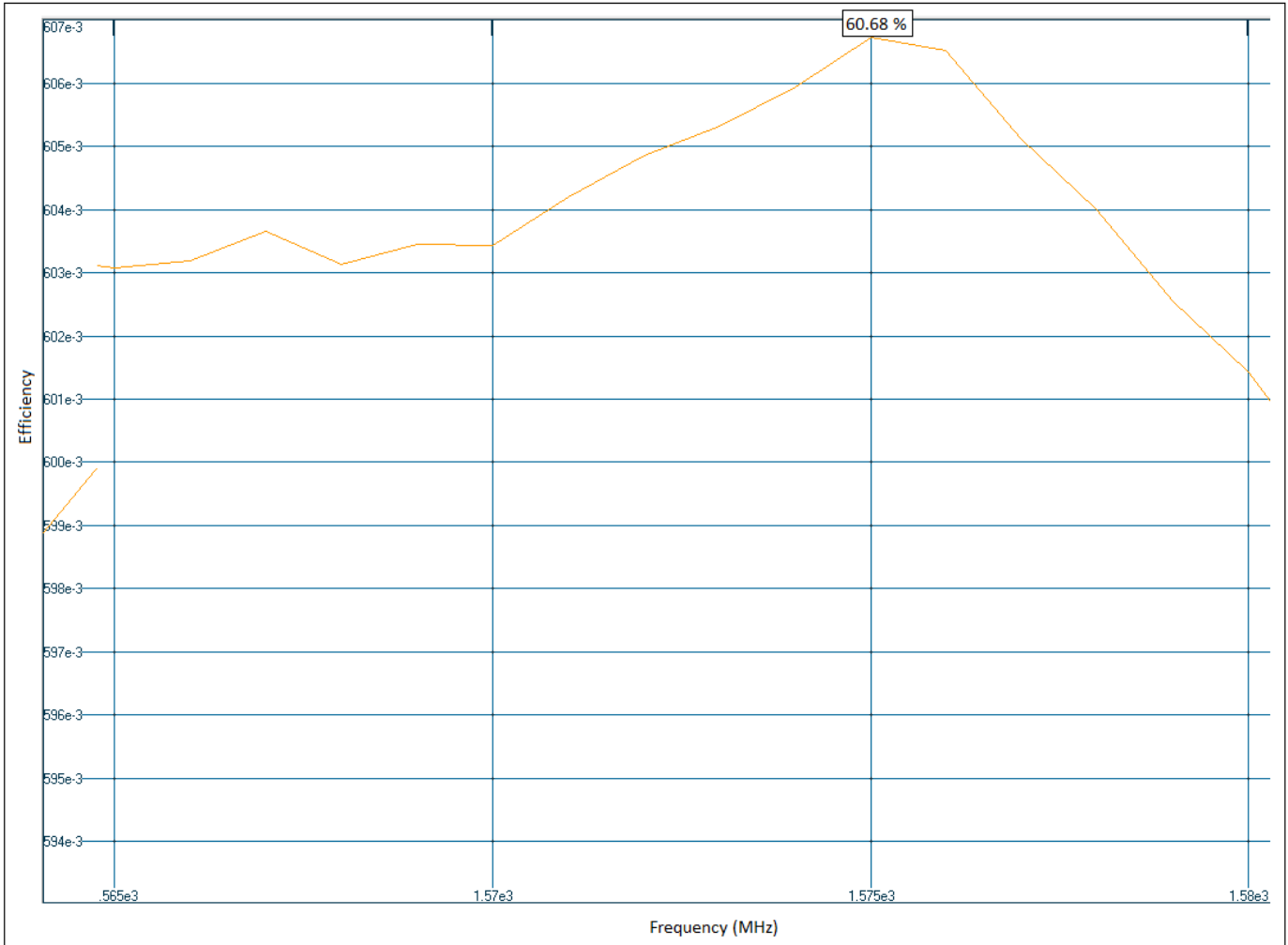


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## Efficiency



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## Packaging Information

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Number of Antenna/ Carton : 2000

Dimension of the Carton : 630 x 460 x 105 mm

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