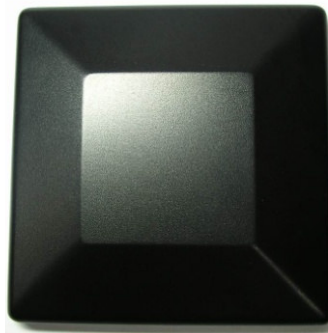


ALLISCOM

PA175

GPS ANTENNA

Data Sheet



Model No. PA175

Feature **High Efficiency - 90%**
 Low Profile Design
 Low Loss - 0.2%

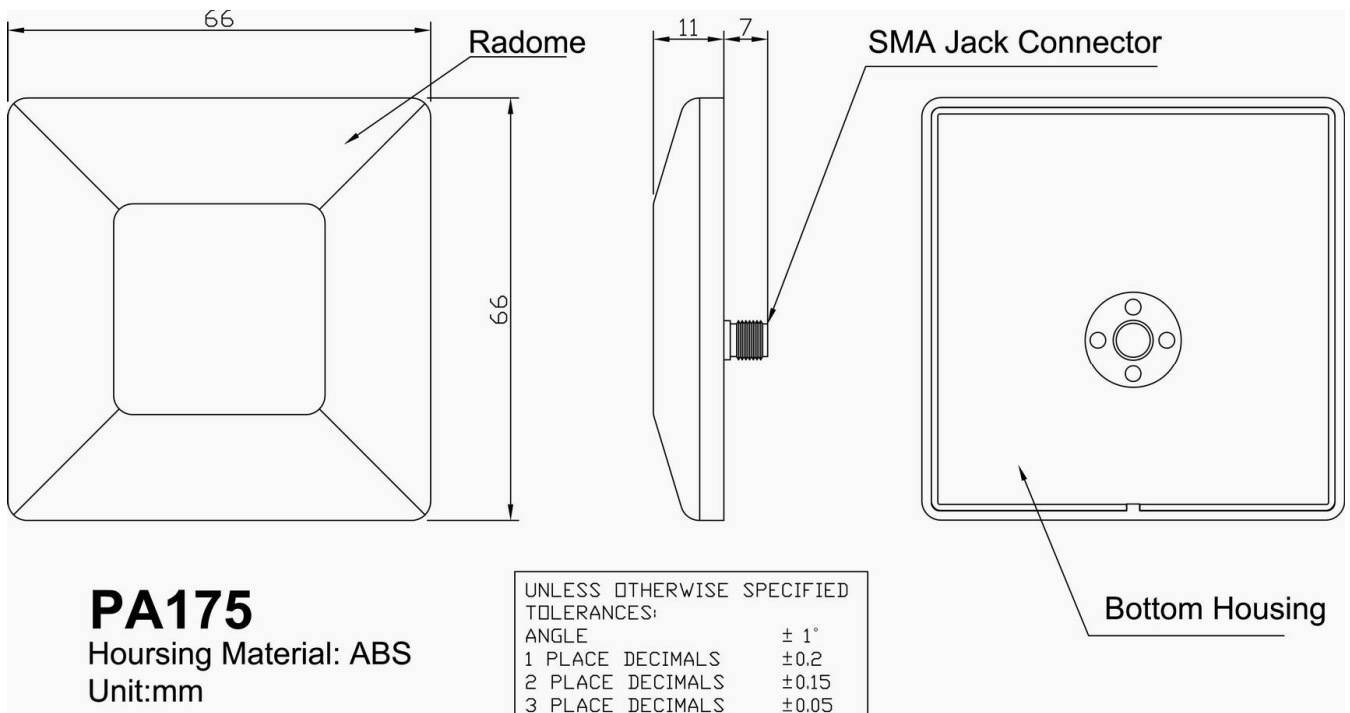
Description **Allis Communications 1.575 MHz Antenna is an ideal solution for GPS reception. The Antenna is a GPS Passive Antenna for rebroadcasting GPS signal inside a building.**

1. Specifications

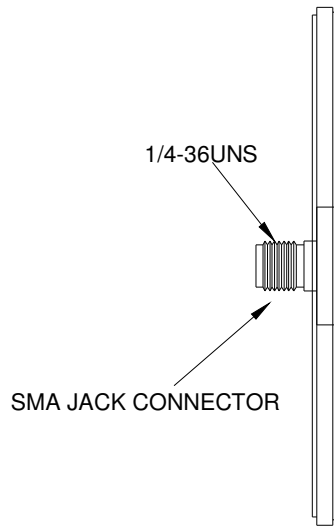
Antenna:	
Frequency	1575.42±3 MHz
VSWR	1.5 Max.
Bandwidth	20 MHz Min. @ -10 dB
Impedance	50 Ω
Efficiency	90.1% @1575MHz
Axial Ratio	3 dB Max. $\theta=0^{\circ}$
Peak Gain	4 dBic Min.
Mechanical:	
Weight (Without Cable)	48 grams Max.
Size	66X 66 X18 mm
Connector	SMA Jack (Female)
Housing Color	Black
Housing Material	ABS
Environmental:	
Working Temperature	-40°C< T< +85°C
Storage Temperature	-50°C< T< +95°C

2. Shape and Dimension

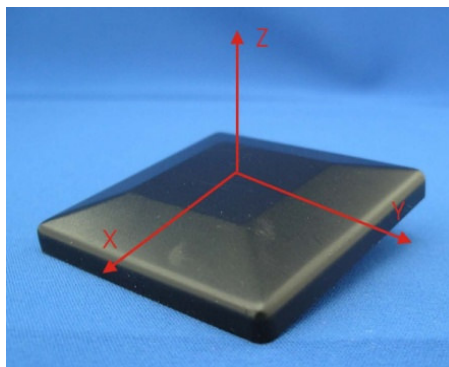
a. Dimension



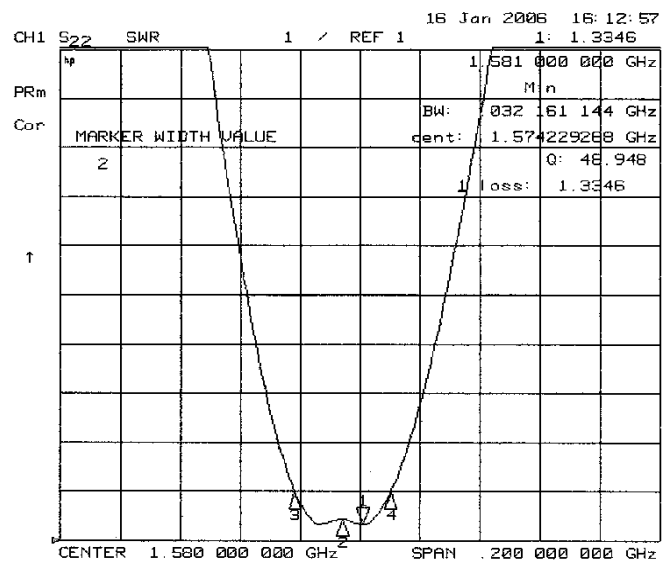
b. SMA Jack (Female) Connector



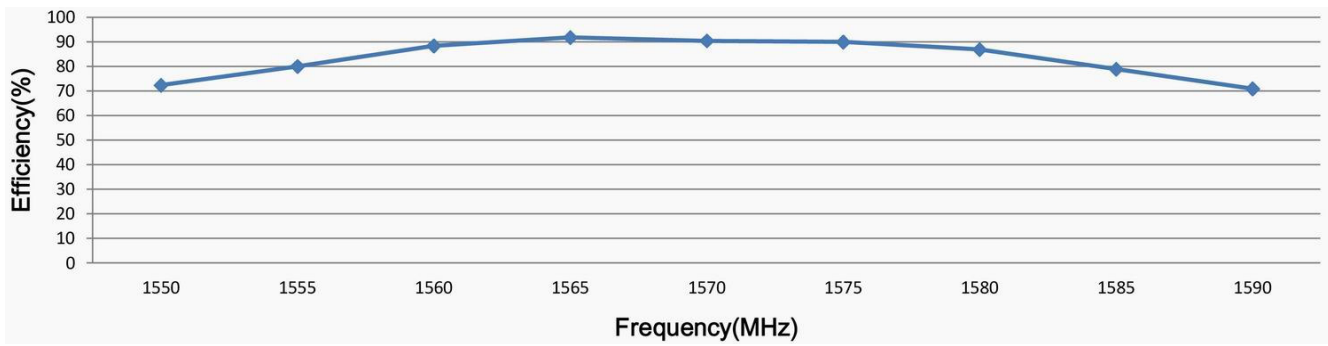
3. Antenna Characteristics



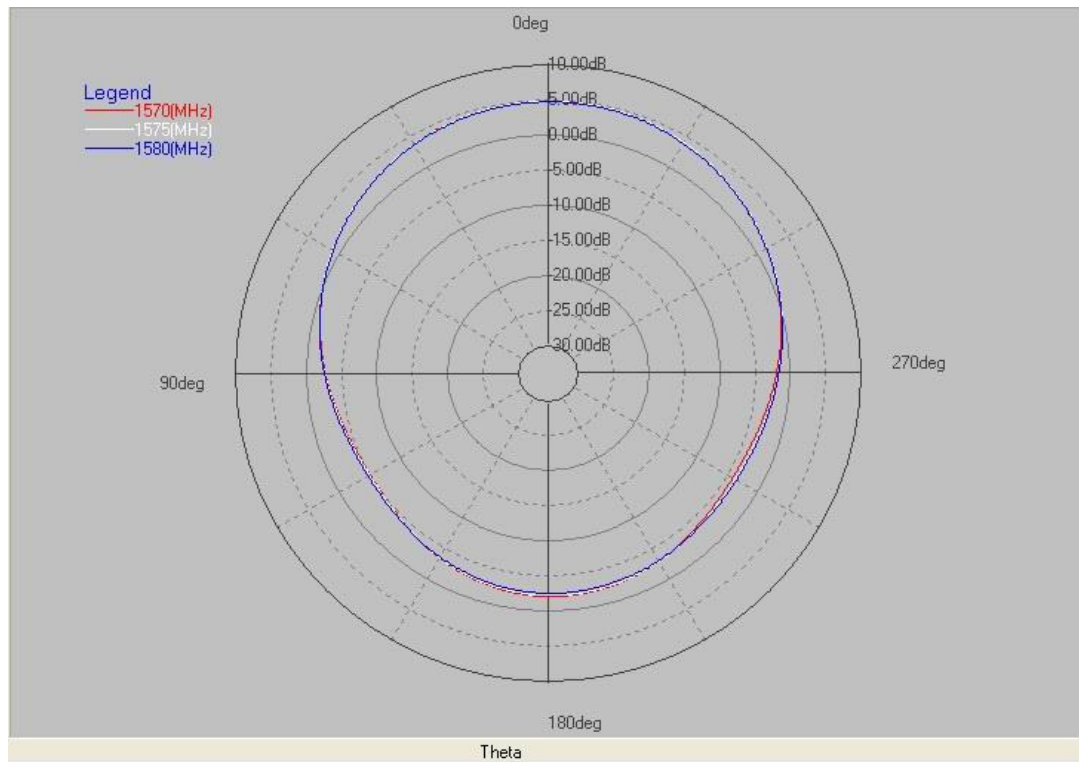
a. VSWR



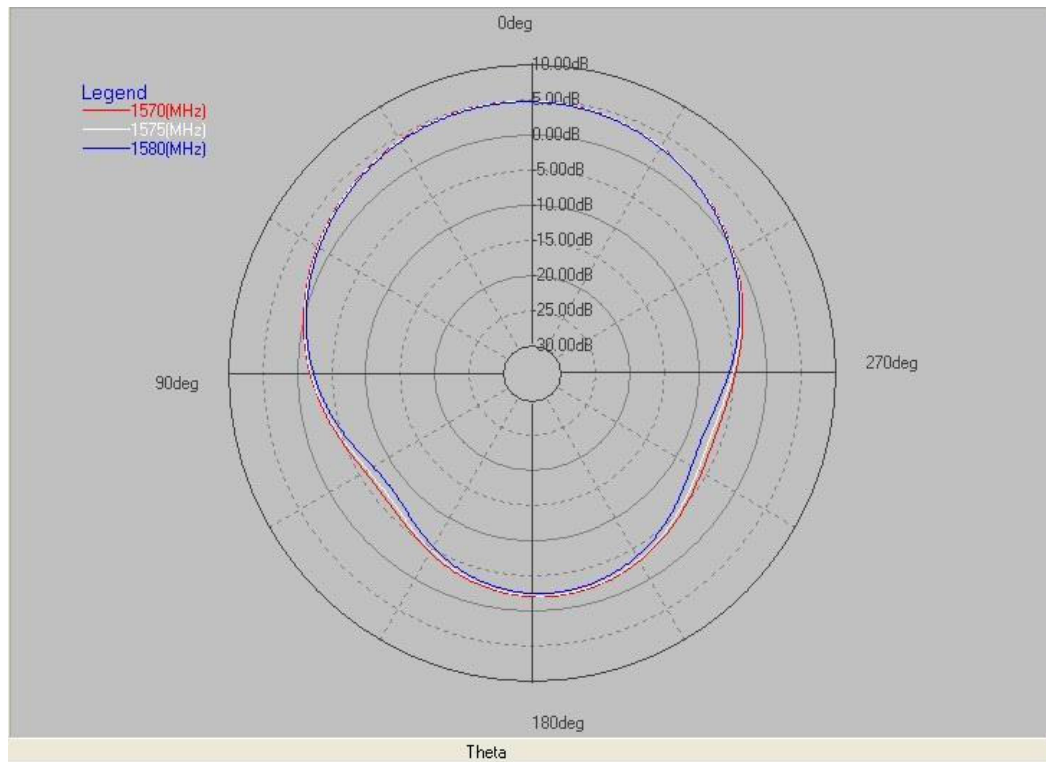
b.Efficiency



c.X-Z Plane



d.Y-Z Plane



e. Axial Ratio: 0.8dB

Polar plot

File: ant.dat
Allis Com.

