

Brevis GPS SMD Antenna

A10204

Product Specification

1 Features

- Designed for GPS
- Intended for SMD mounting
- Supplied in tape on reel

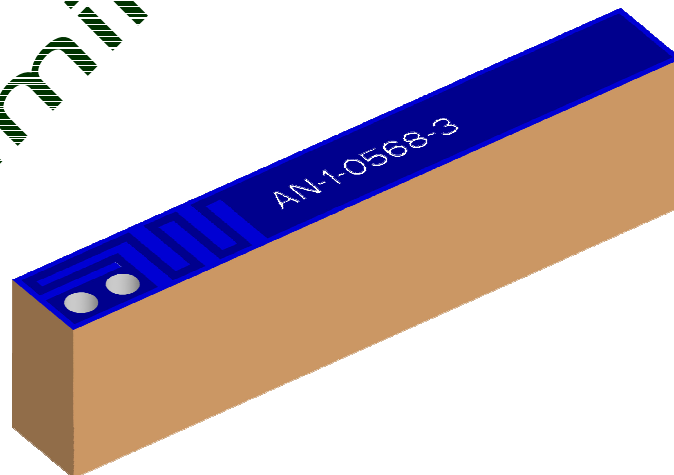
2 Description

Brevis is slim and compact GPS antenna, intended for use in the 1.575 GHz band. It is designed to work with a full ground plane underneath it, thus making possible to populate the other side of the PCB with other components.

3 Application

- PNDs
- PDAs
- Mobile phones
- Headsets
- Tracking devices
- Laptops
- PC-Cards

Preliminary Datasheet



4 Model name

Part numbers and descriptions for Brevis GPS will be released in August 2007.

5 General data

Product Name	Brevis GPS
Article No.	TBD
Frequency	1573.42 – 1577.42 MHz
Polarization	Linear
Operating Temperature	-40 to +85 degC

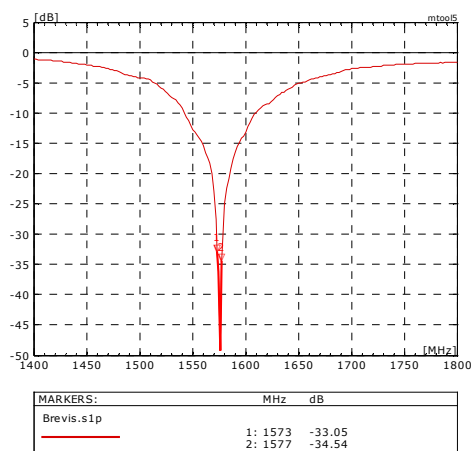
6 Electrical characteristics

	Typical	Conditions
Average Efficiency	70%	Measured on Antenova's reference board AN-1-0603-1 Frequency range: 1570 – 1580 MHz
Peak Gain	1.0 dBi	
Average Gain	-1.5 dBi	
Maximum Return Loss	-20 dB	
Maximum VSWR	1.2 : 1	

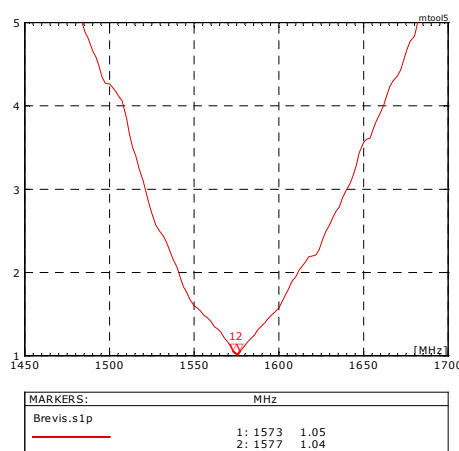
*Note all data provided in this table are based on the Antenova reference board

7 Electrical performance

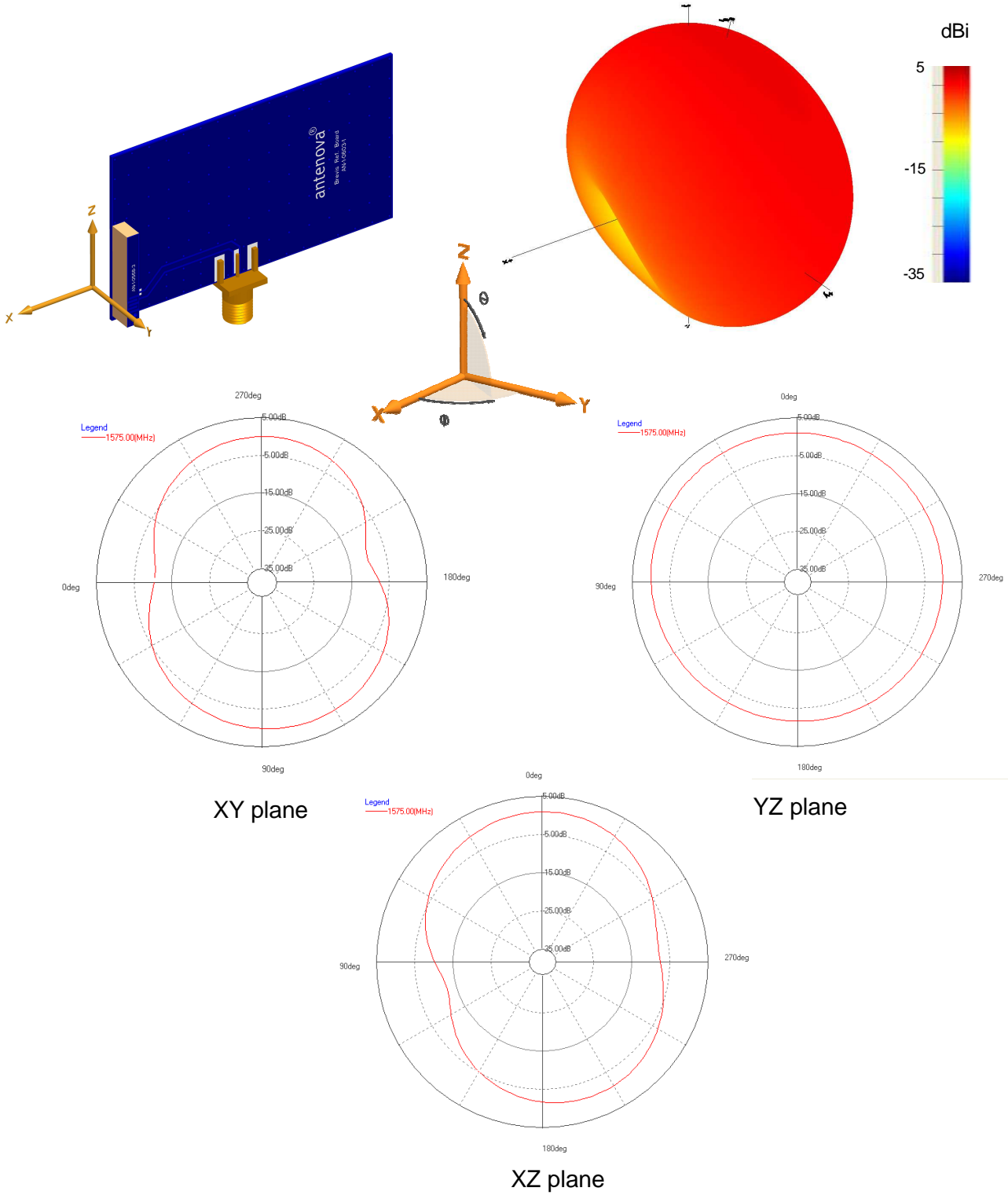
7.1 Return Loss



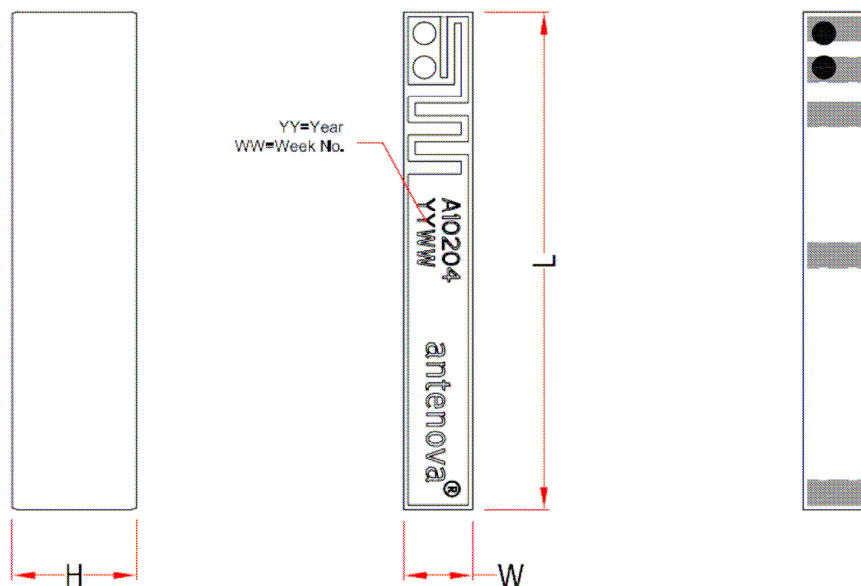
7.2 VSWR



7.3 Antenna patterns



8 Antenna dimensions



L	W	H
Length	Width	Height
22.0+/-0.2	3.0+/-0.2	5.0+/-0.2

All dimensions in mm

9 Soldering

This antenna is suitable for lead free soldering

11 Hazardous material regulation conformance

The antenna will be tested to conform to RoHS requirements. A certificate of conformance will be available from Antenova

12 Packaging

12.1 Optimal storage conditions

Temperature	-10 to +40 degree C
Humidity	Less than 75% RH
Shelf Life	12 Months
Storage place	Away from corrosive gas and direct sunlight



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