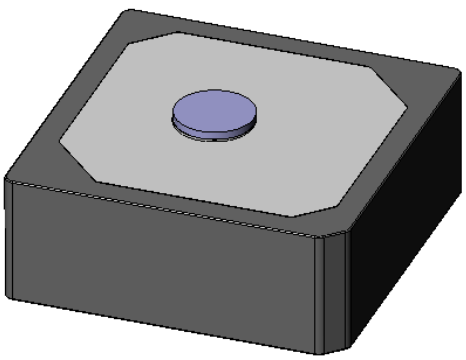
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GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

W3216

Series : **ANTENNA**



All dimensions are in inches (mm)

Issue: 1444

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

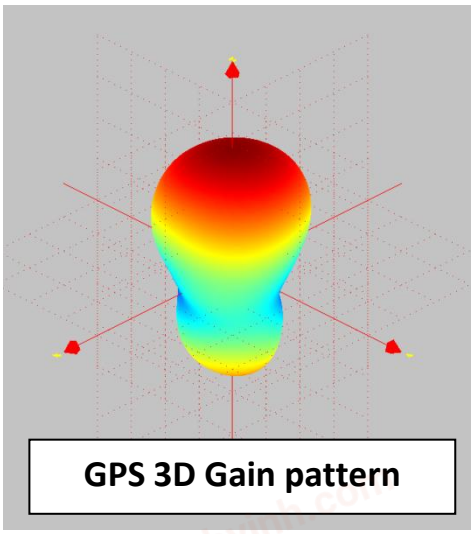
W3216

Series : **ANTENNA**

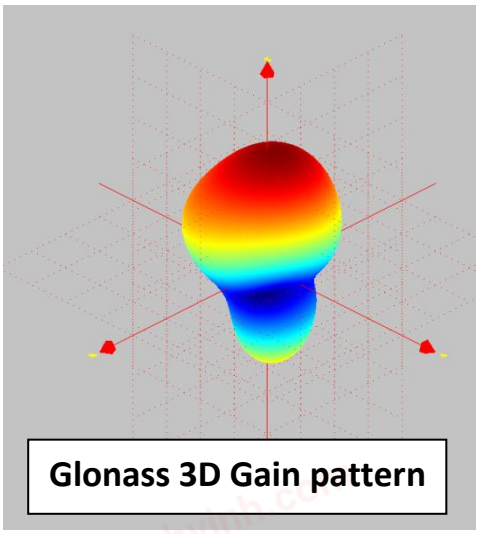
*) Typical performance (measured on 50x50mm ground plane)

ELECTRICAL SPECIFICATIONS *)

Frequency	1.57542 / 1.598-1.606	GHz
Nominal Impedance	50	Ω
RHCP Zenith Gain @ 1.57542GHz	-2	dBic
RHCP Zenith Gain @ 1.598-1.606GHz	-2	dBic
Combined Zenith Gain @ 1.57542GHz	2	dBi
Combined Zenith Gain @ 1.598-1.606GHz	2	dBi
Efficiency @ 1.57542GHz	60	%
Efficiency @ 1.598-1.606GHz	60	%
Polarization		RHCP



GPS 3D Gain pattern



Glonass 3D Gain pattern

Issue: 1444

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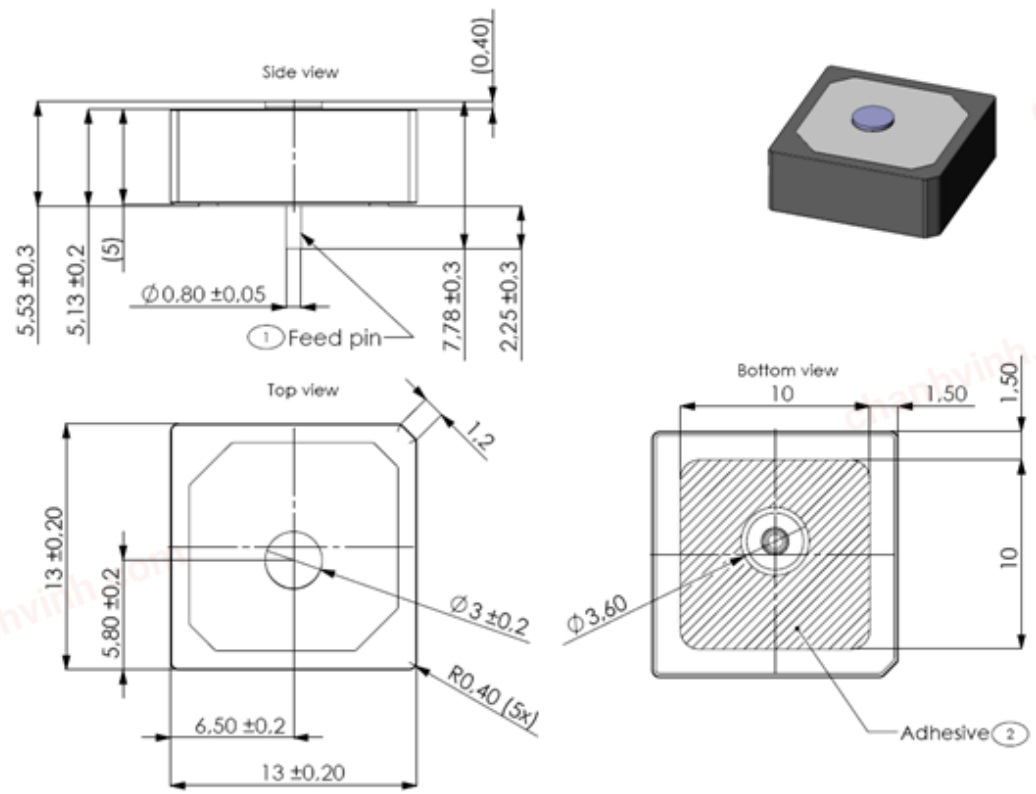
GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

W3216

Series : **ANTENNA**

Antenna Dimensions



No.	Item	Description
1	Feed pin	Silver plated brass
2	Adhesive	0.13 mm thick double sided tape
Notes:		
Feed pin manual soldering conditions: - 300°C max soldering iron temperature, 5 seconds max - Typical lead free solders are applicable		
Electrode silver metallization may tarnish if antenna is stored / used in corrosive environment especially where chloride, sulphur or sulfide, alkali or acid salts exist in the air. Corrosive gases may cause oxidation of electrodes and reduce solderability		

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GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

W3216

Series : **ANTENNA**

MECHANICAL SPECIFICATIONS

Color	Grey	
Size (WxLxH)	13x13x5	mm
RoHS Compliance	Yes	

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40...+85	° C

TRAY PACKING SPECIFICATIONS

100pcs antennas per tray

17pcs trays per box

one empty tray per box

1600pcs antennas per box

Box size 520*368*264mm

Issue: 1444

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GNSS patch antenna

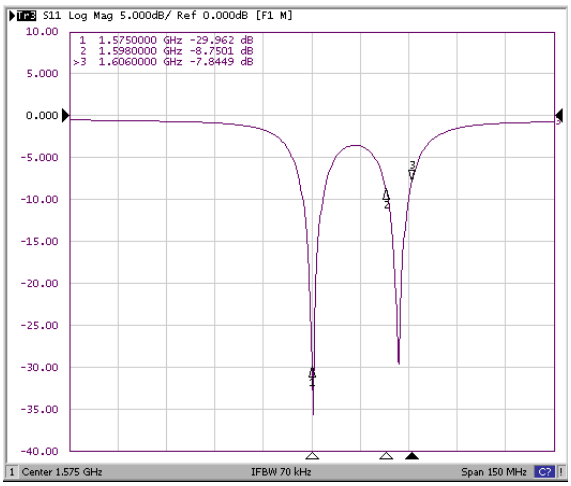
1.57542GHz / 1.598-1.606GHz

W3216

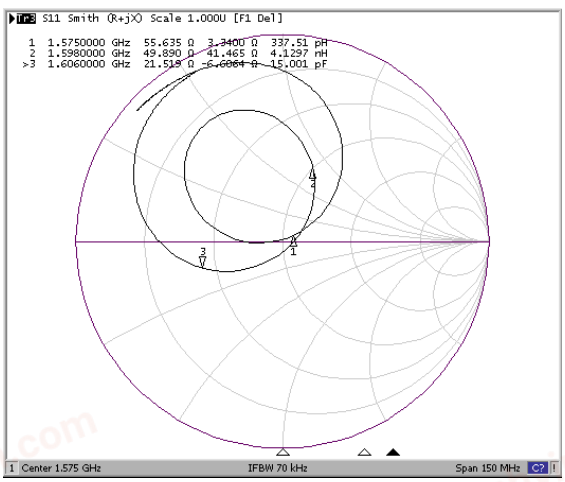
Series : **ANTENNA**

Charts

(Return Loss)



(Impedance)



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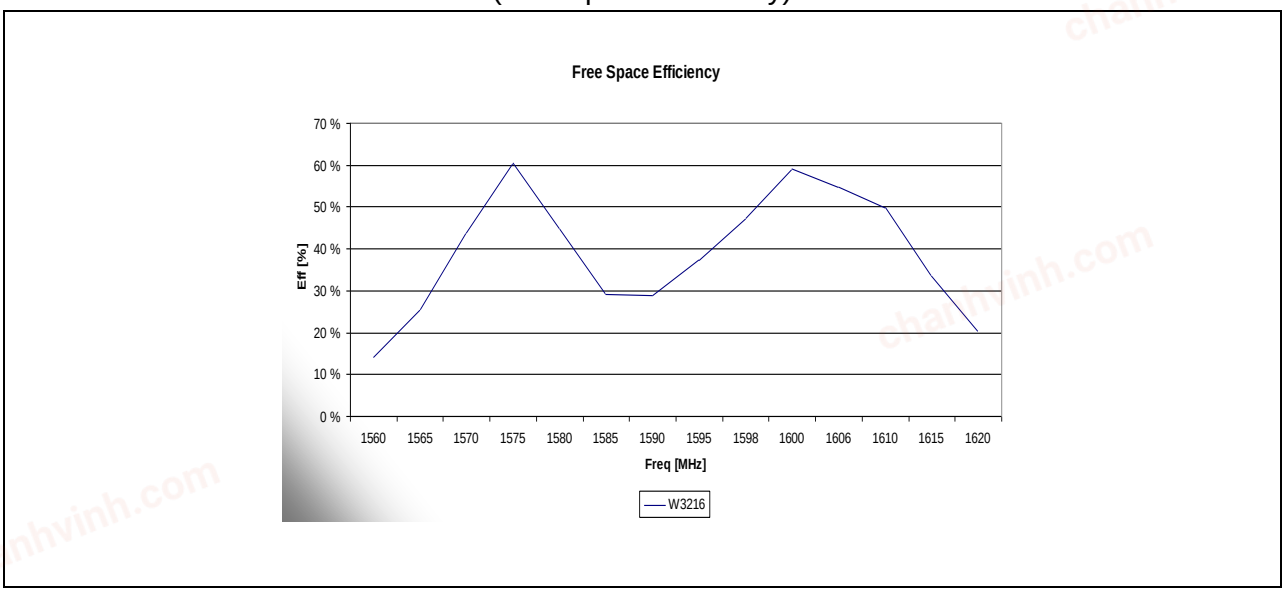
GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

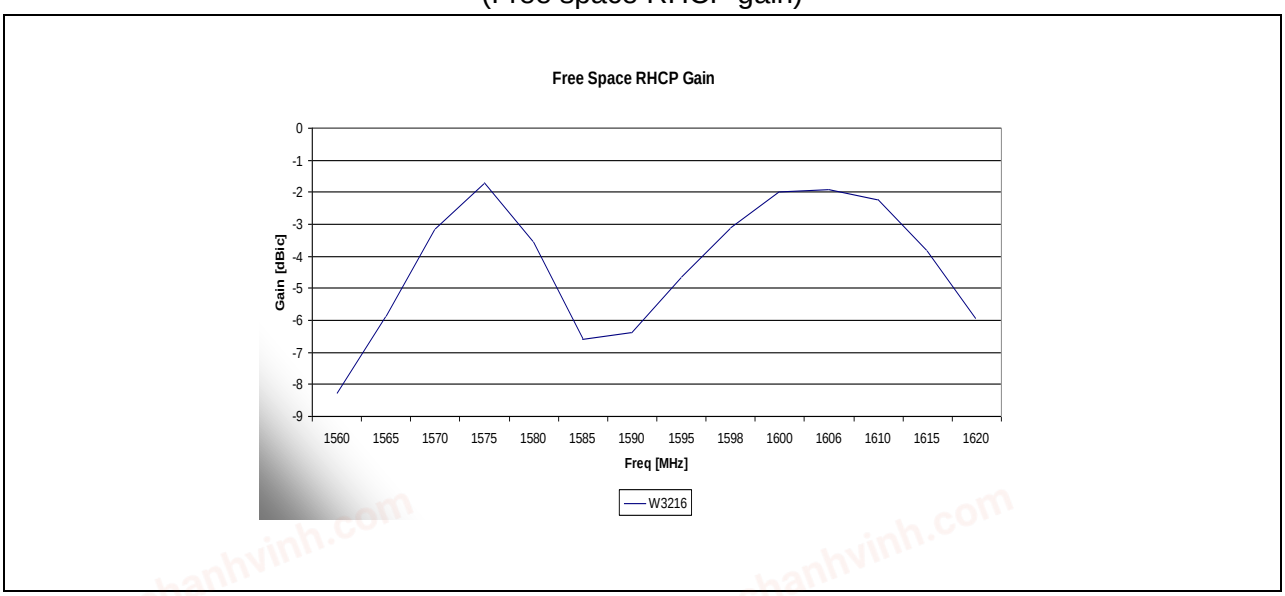
W3216

Series : **ANTENNA**

(Free space Efficiency)



(Free space RHCP gain)



Issue: 1444

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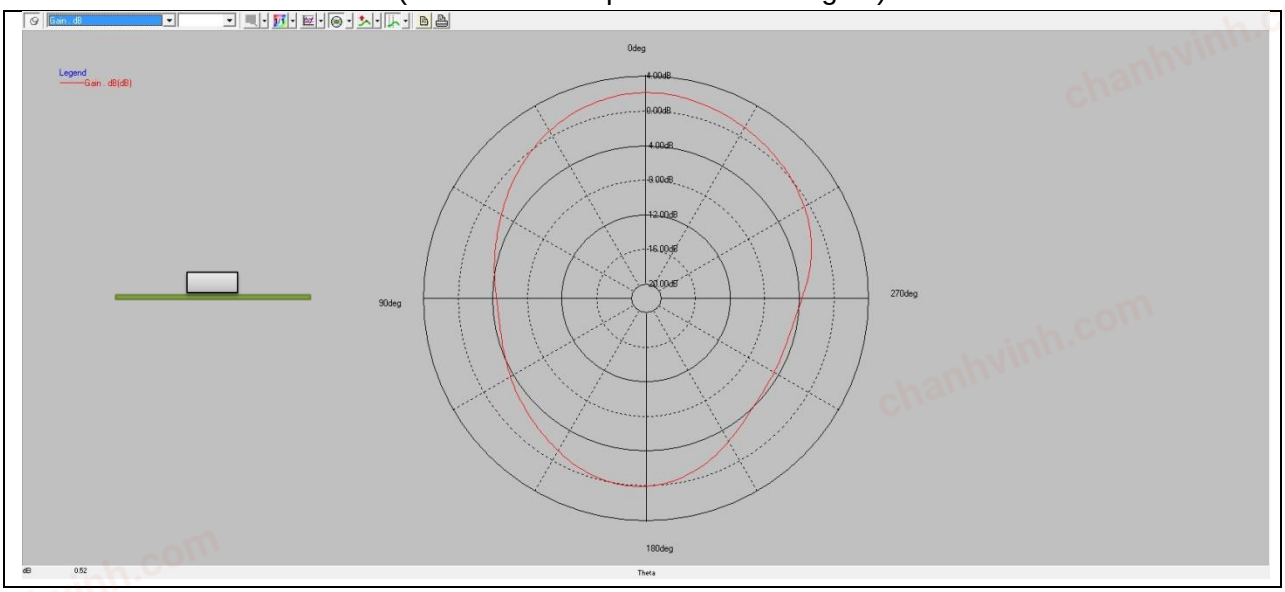
GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

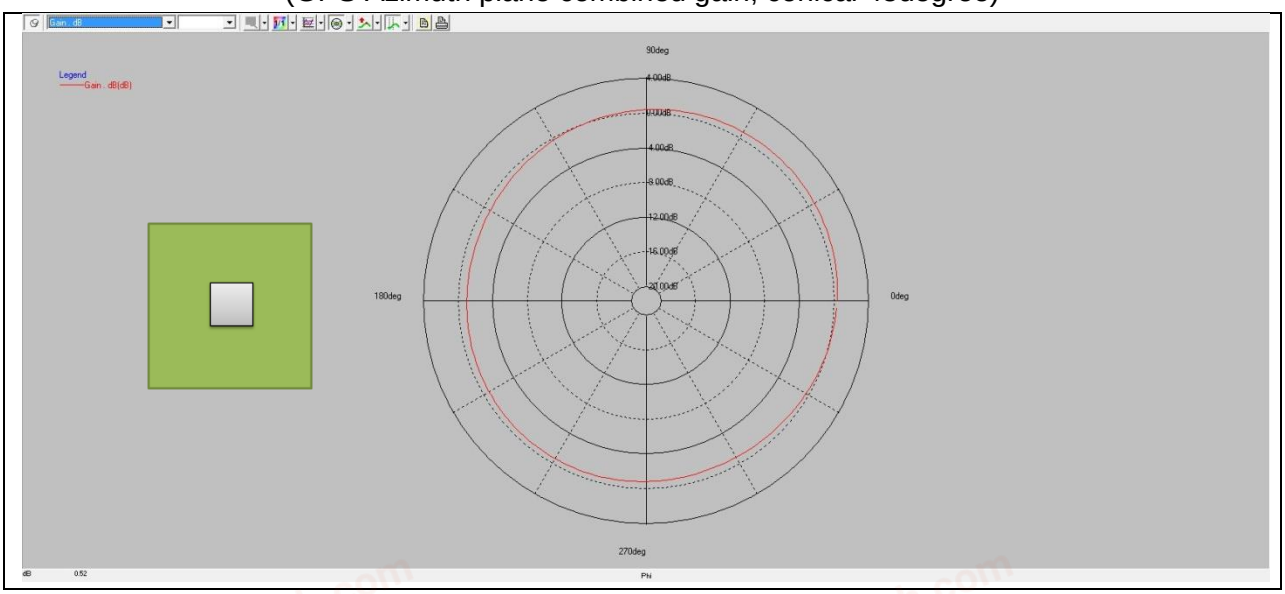
W3216

Series : **ANTENNA**

(GPS Elevation plane combined gain)



(GPS Azimuth plane combined gain, conical 45degree)



Issue: 1444

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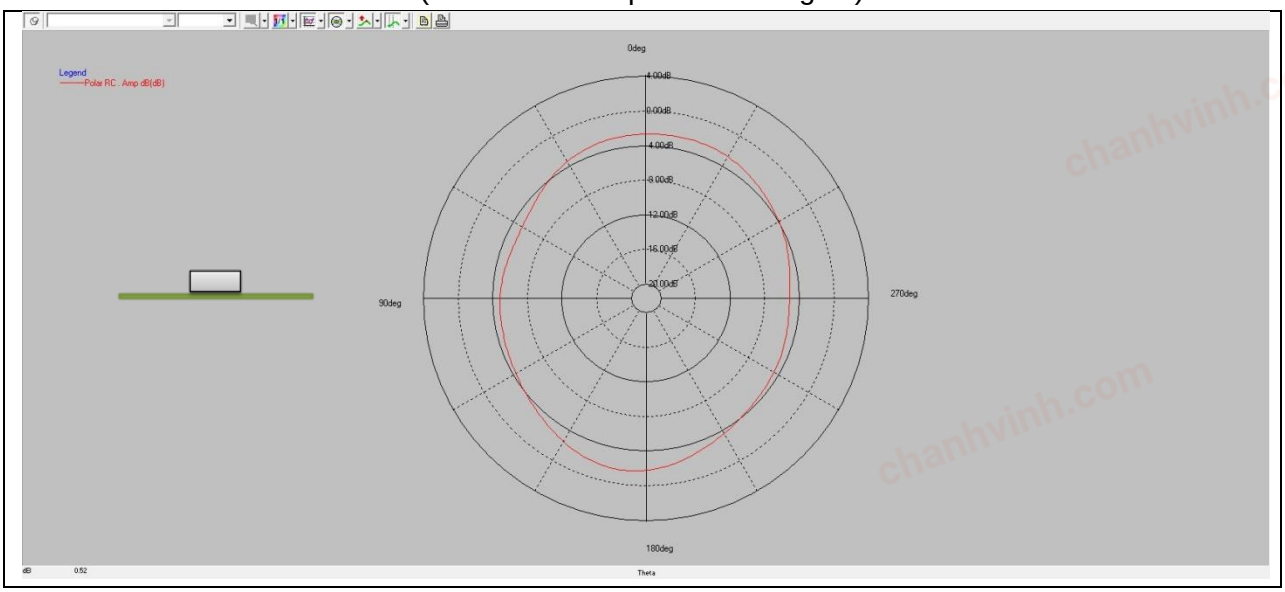
GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

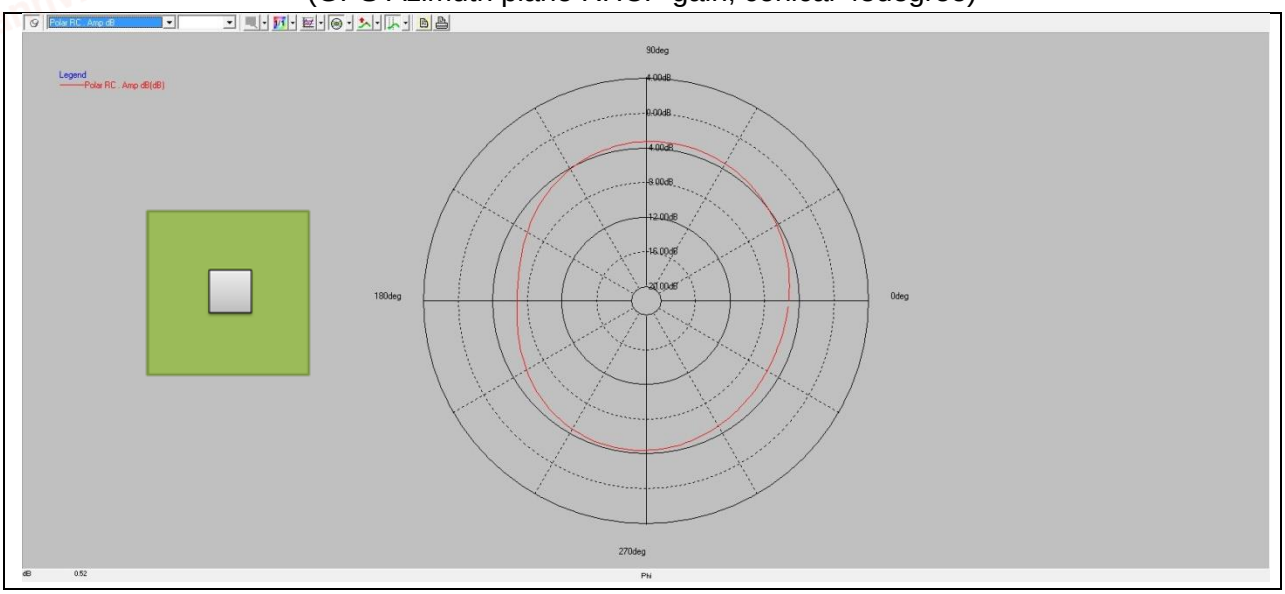
W3216

Series : **ANTENNA**

(GPS Elevation plane RHCP gain)



(GPS Azimuth plane RHCP gain, conical 45degree)



Issue: 1444

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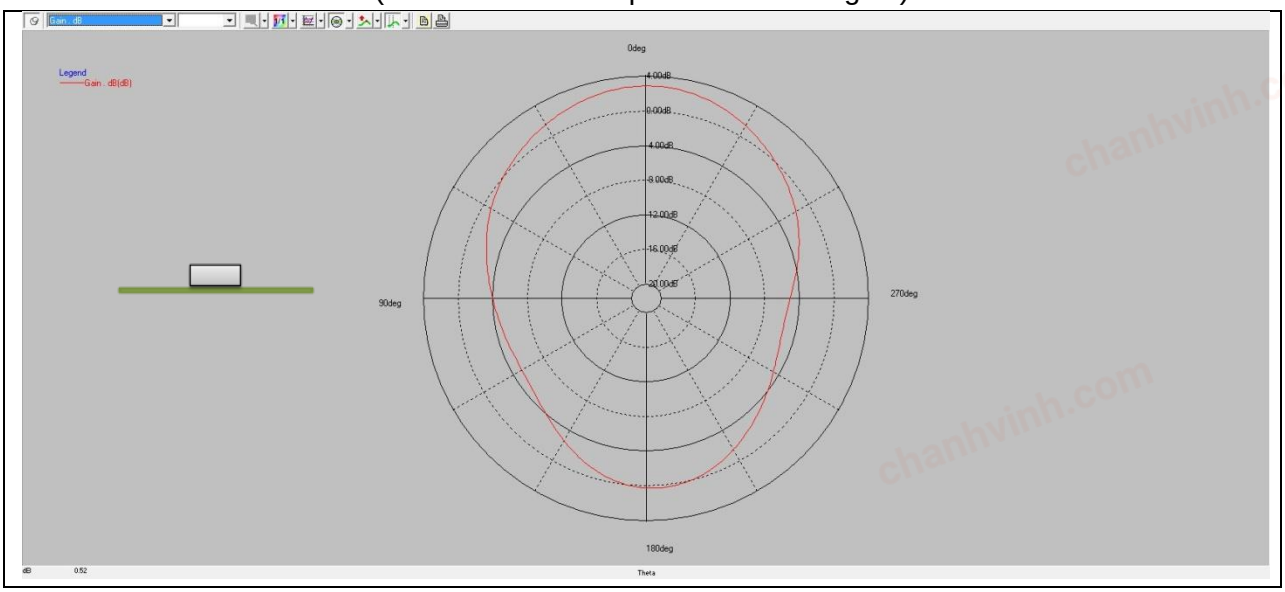
GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

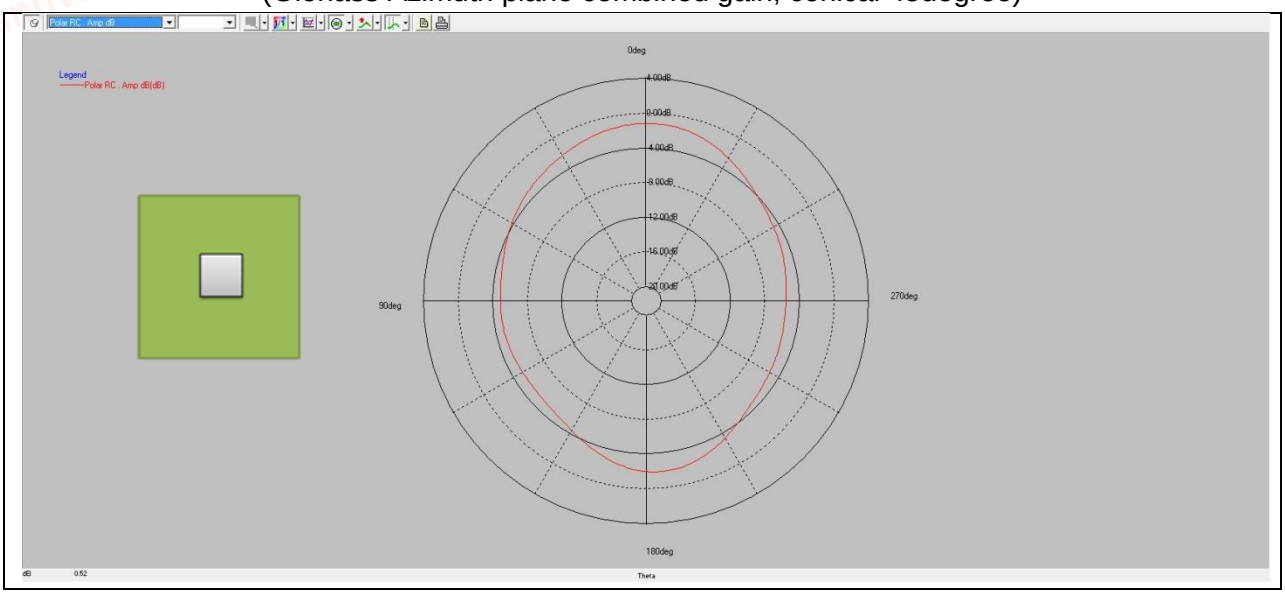
W3216

Series : **ANTENNA**

(Glonass Elevation plane combined gain)



(Glonass Azimuth plane combined gain, conical 45degree)



Issue: 1444

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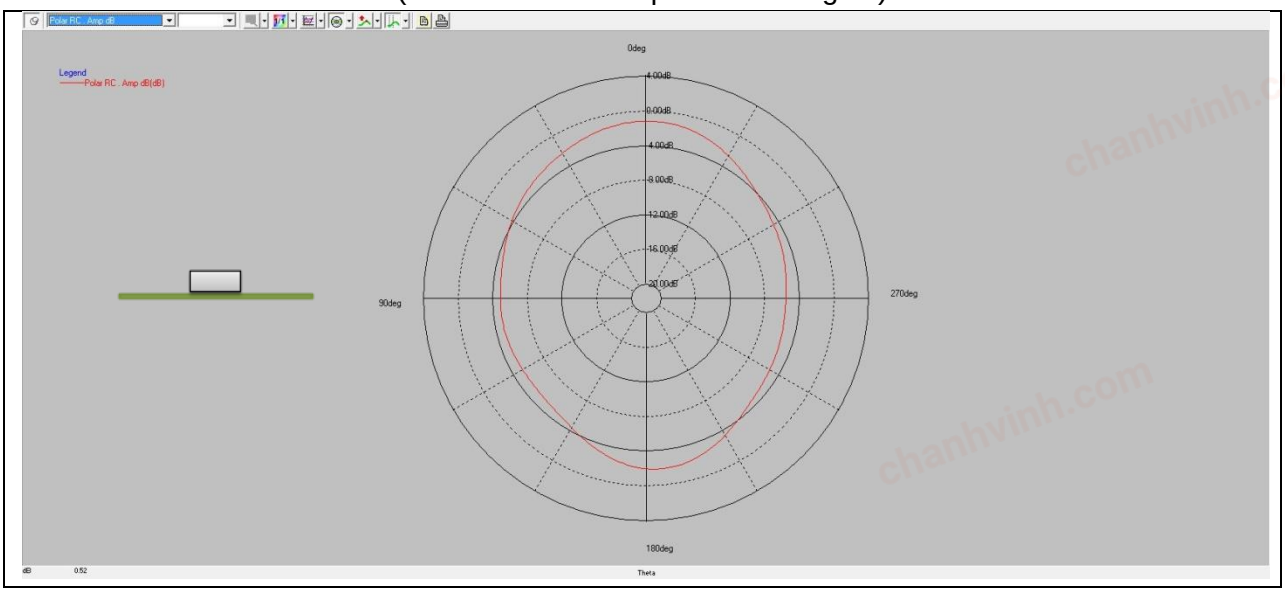
GNSS patch antenna

1.57542GHz / 1.598-1.606GHz

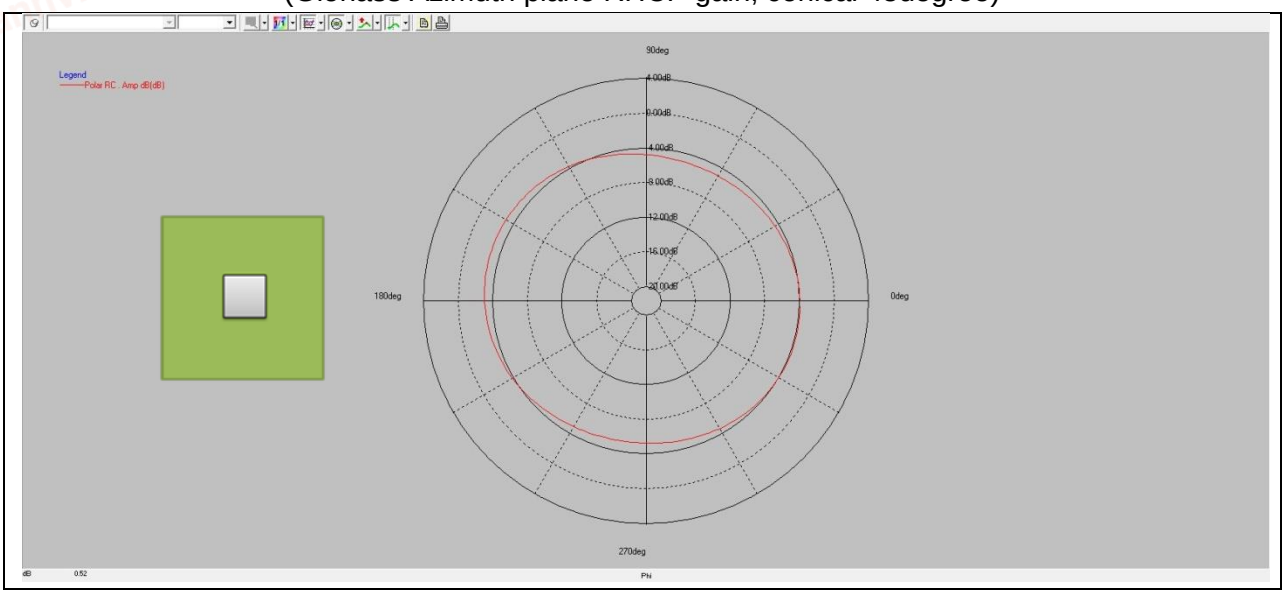
W3216

Series : **ANTENNA**

(Glonass Elevation plane RHCP gain)



(Glonass Azimuth plane RHCP gain, conical 45degree)



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