

# Passive Antenna Report

Manufacturer: Wieson  
Engineer: Daly

## Antenna specification

WiFiAntenna \*1  
Type: Rogers 0.5mm  
Frequency Range : 2400-2500MHz  
5150-5850MHz

## Antenna photo



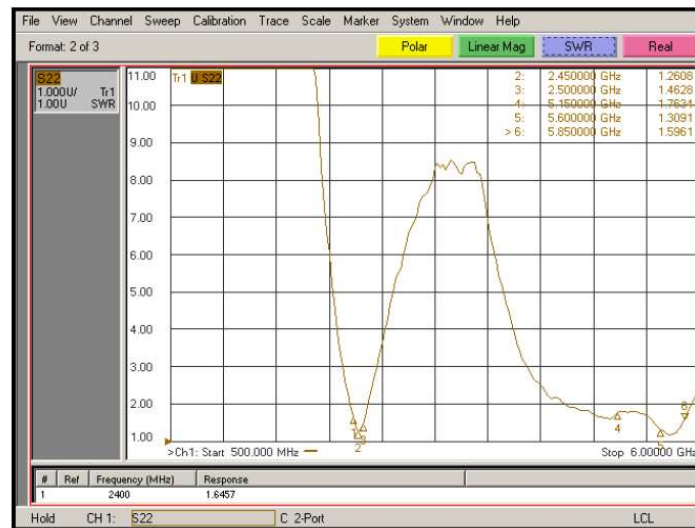
## Wieson Technologies Co., LTD.

Address : 15F, No.237, Sec.1, Datong Rd., Xizhi Dist., New Taipei City 221006, Taiwan

Phone : 886-2-2647-1896

Website : [www.wieson.com](http://www.wieson.com)

## VSWR



Frequency (MHz)	2400	2450	2500	5150	5600	5850
VSWR	1.64	1.26	1.46	1.76	1.30	1.59

## Return loss



Frequency (MHz)	2400	2450	2500	5150	5470	5850
dB	-12.3	-18.8	-14.7	-11.1	-17.4	-12.8

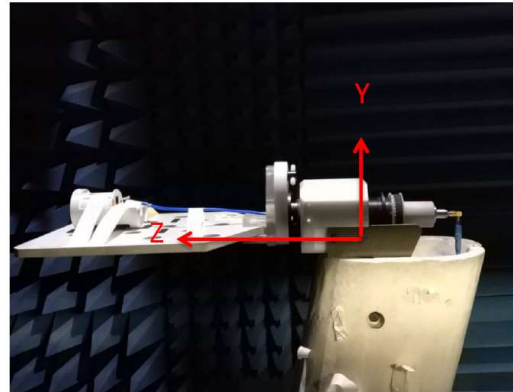
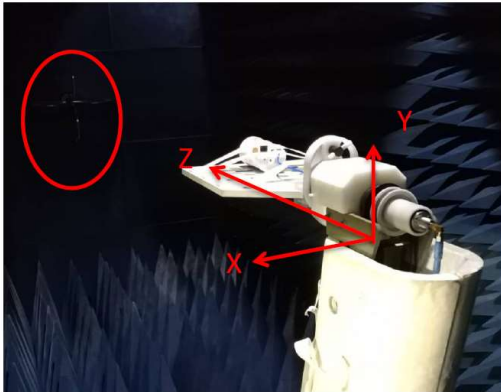
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## Setup Photo



## Peak gain

Frequency (GHz)	Peak gain (dBi)
2.4	0.94
2.45	0.69
2.5	0.10
5.15	2.68
5.24	2.77
5.25	2.85
5.35	2.96
5.47	3.08
5.6	3.26
5.725	2.96
5.745	3.12
5.785	2.65
5.85	1.21

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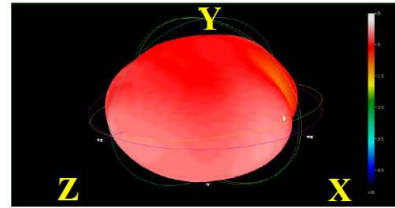
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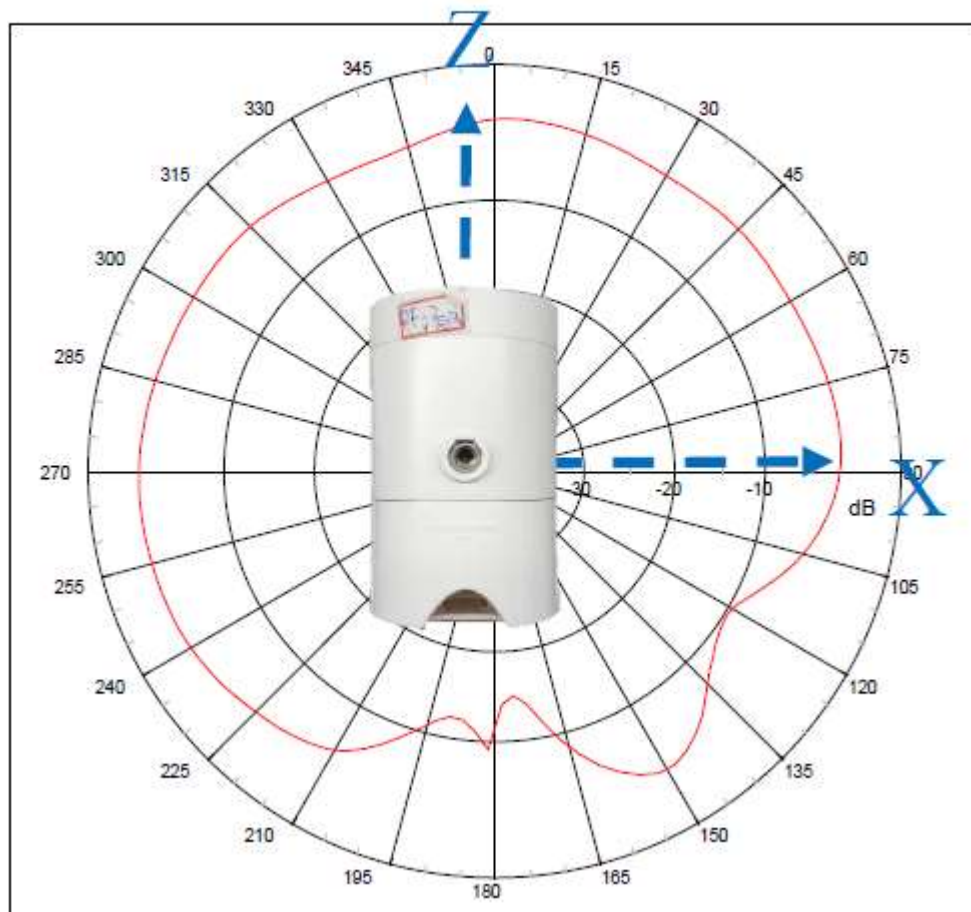
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# Antenna Pattern

Rogers:2.45GHz)



## XZ-plane



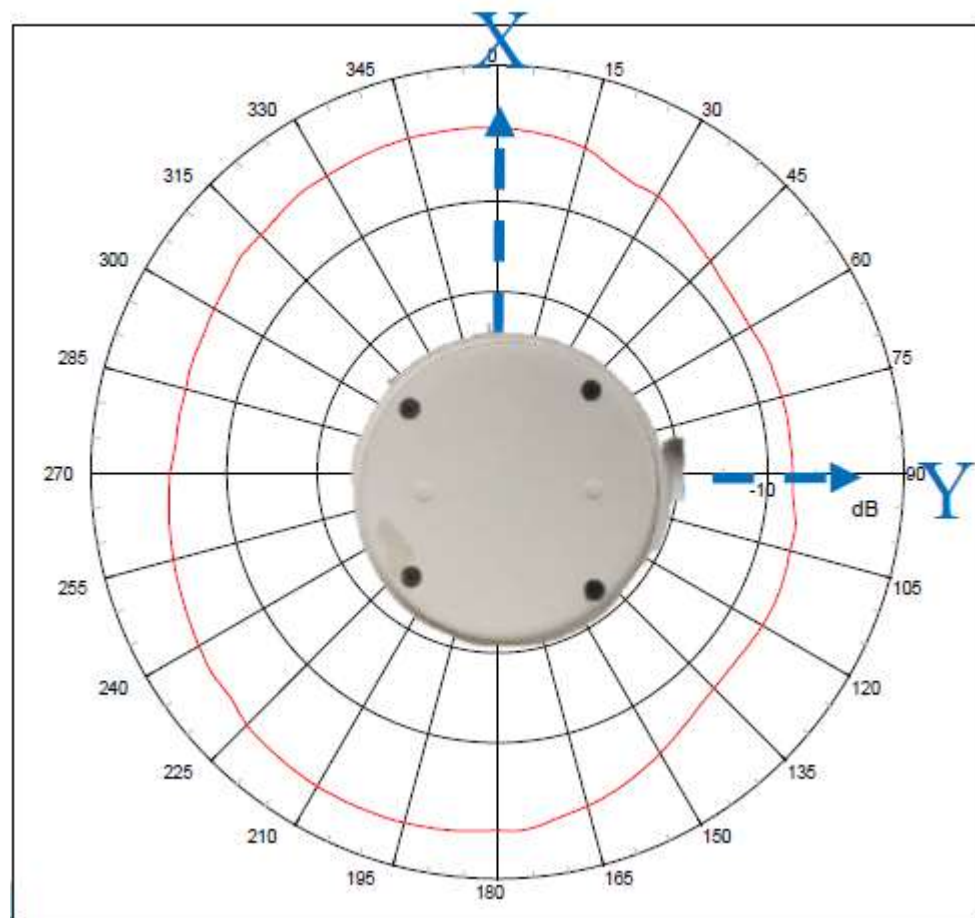
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# XY-plane



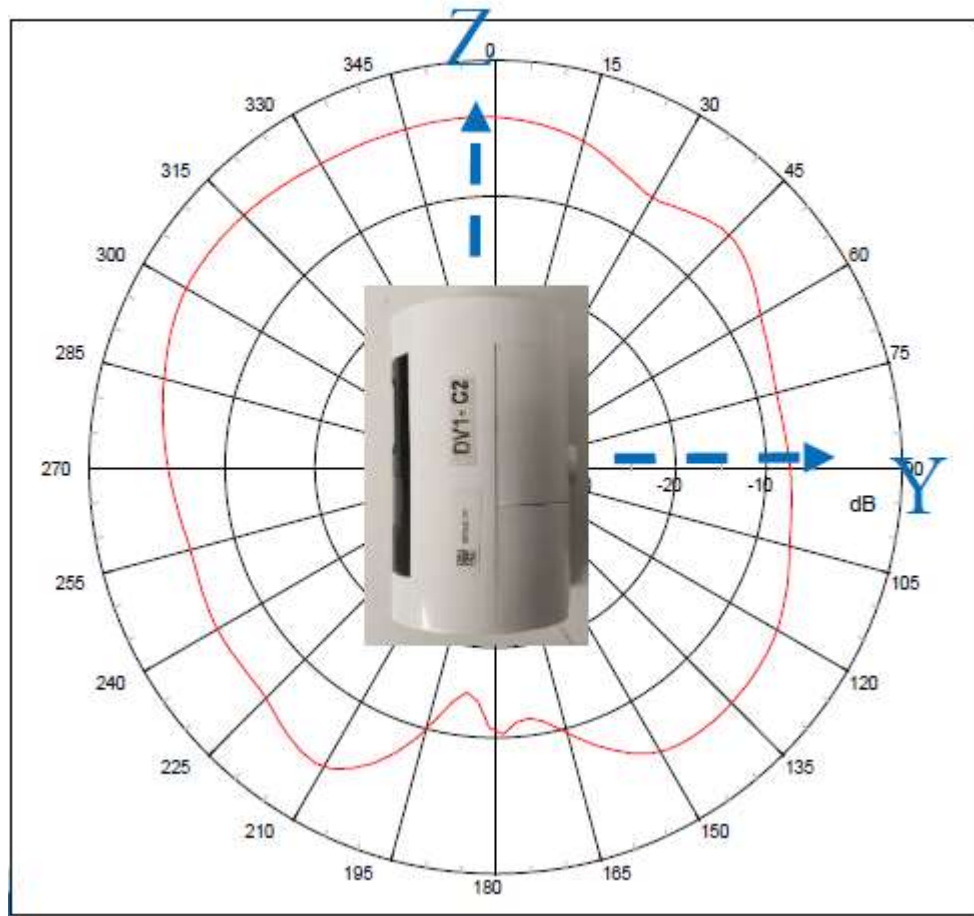
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# YZ-plane



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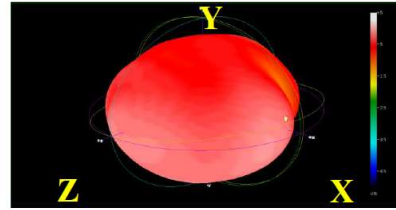
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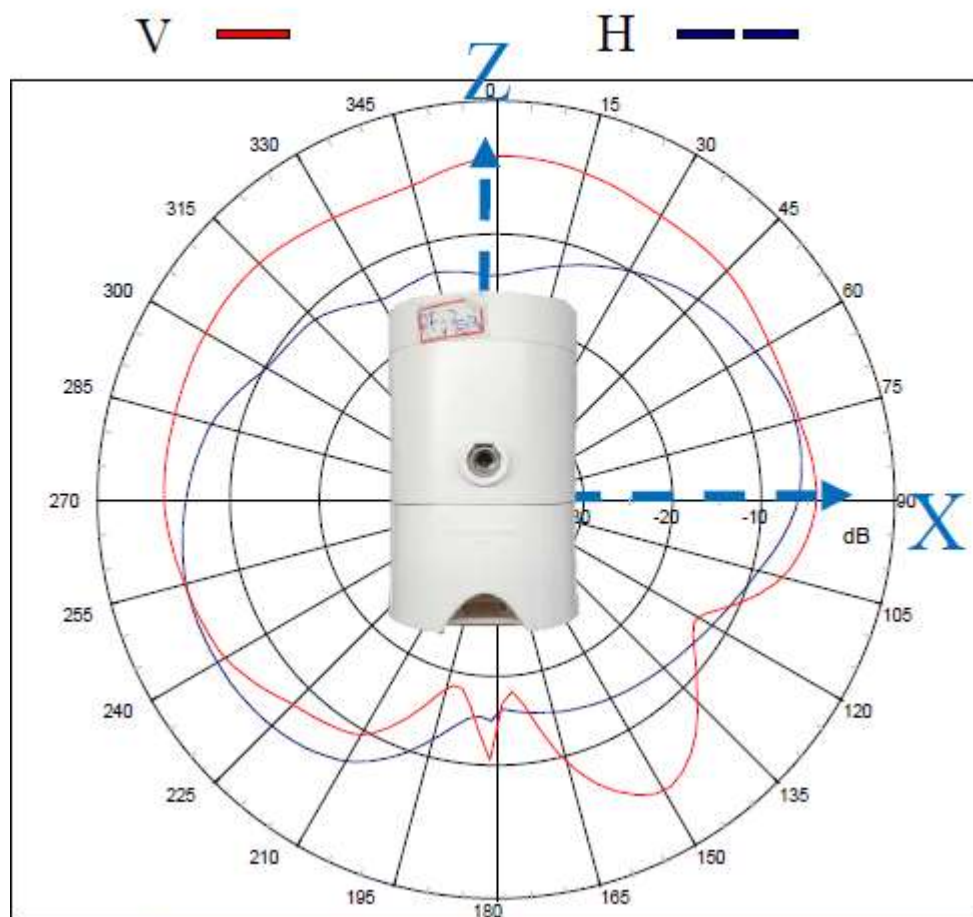
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# Antenna Pattern

Rogers:2.45GHz)



## XZ-plane



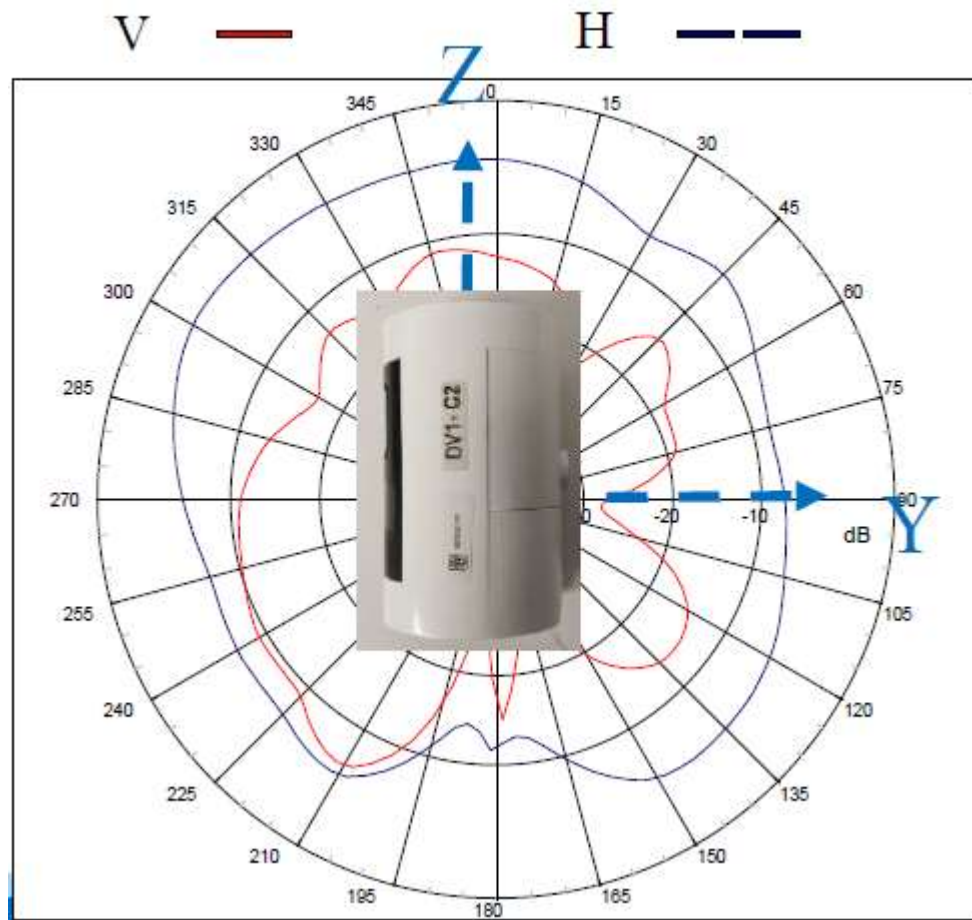
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# YZ-plane



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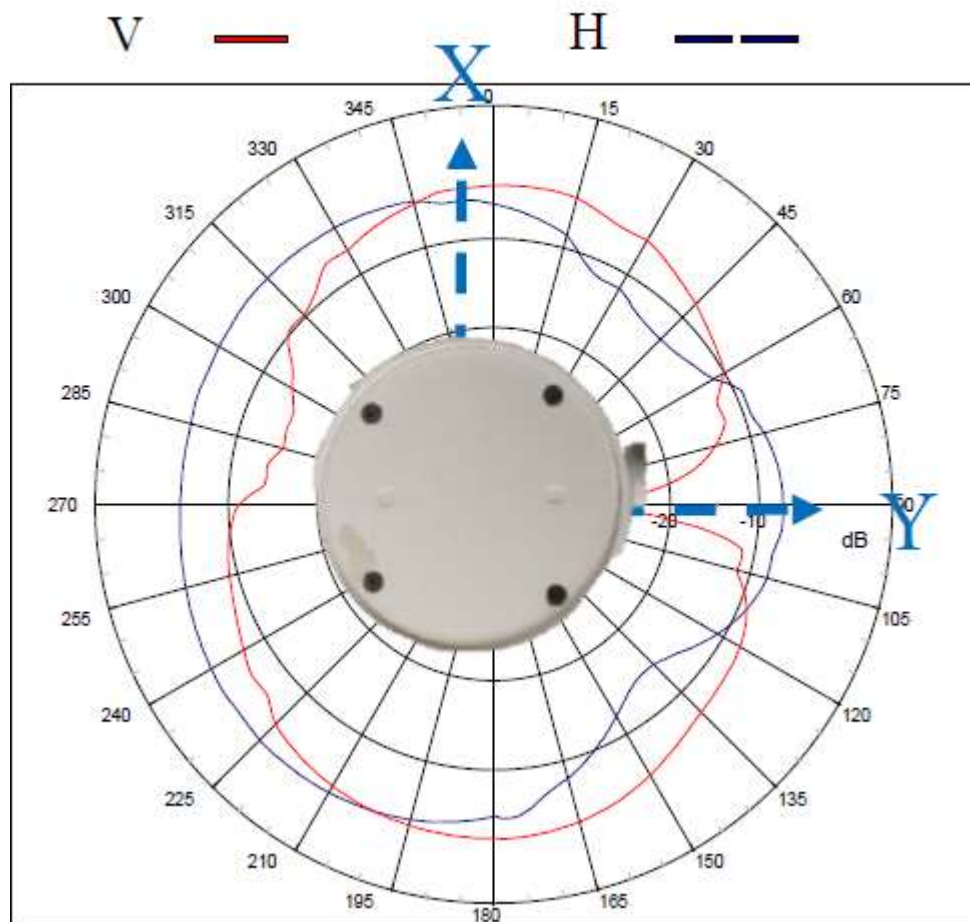
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# XY-plane



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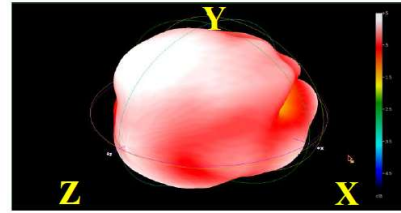
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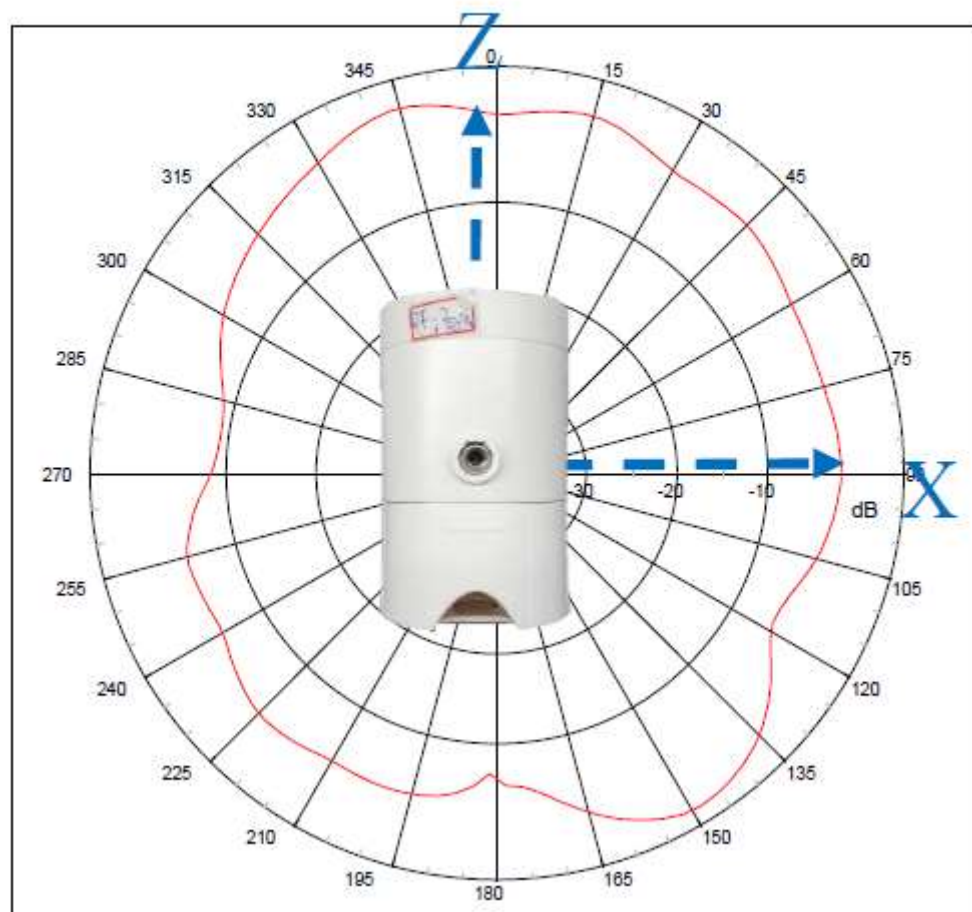
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# Antenna Pattern

Rogers:5.47GHz)



## XZ-plane



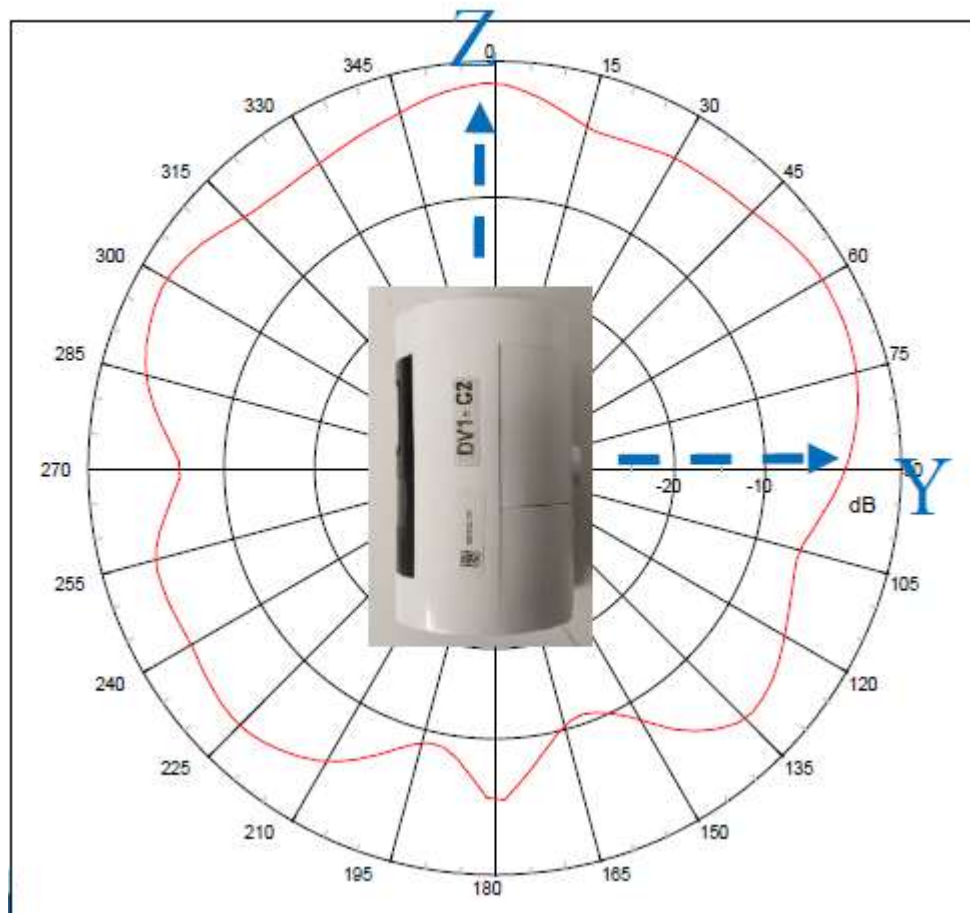
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# YZ-plane



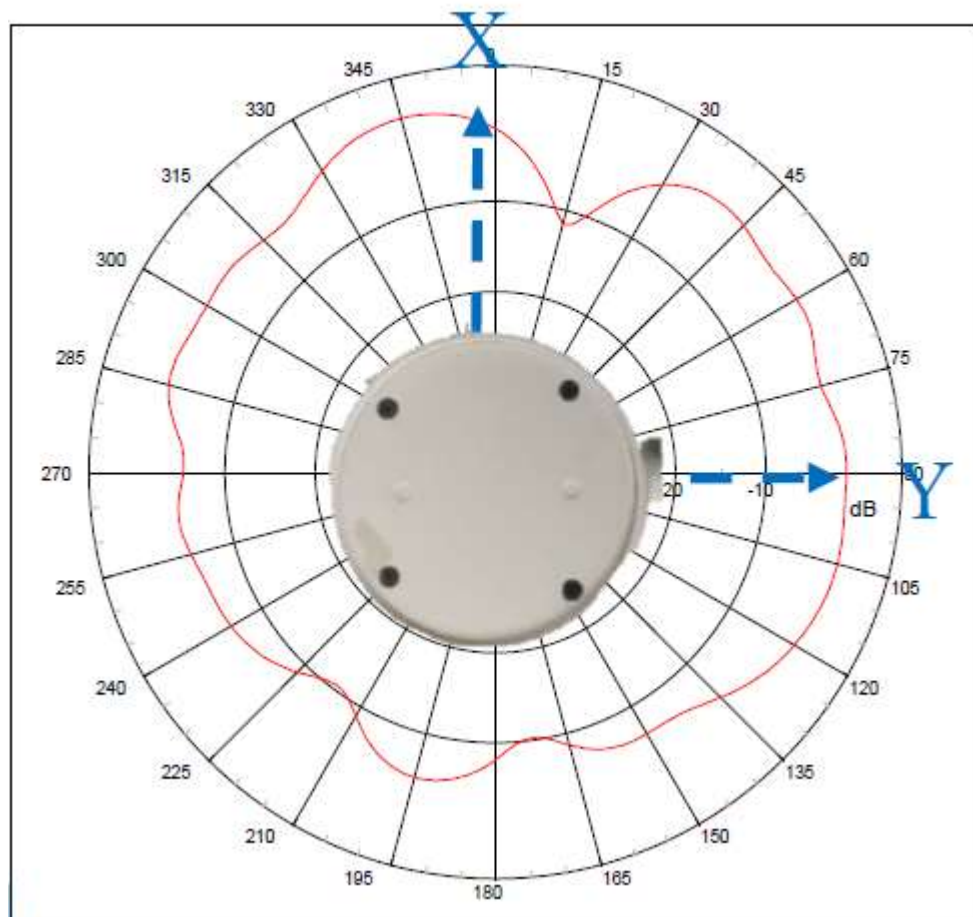
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