

WIFI PIFA Antenna Specification

Customer Name:

Customer PN:

LB-LINK PN:

Provide By: Bo li

Checked By: Xing Yu Ding

Date: 2020/05/11

type and specification: PIFA L-2&5G/PIFA R-2&5G

Customer Check By:

Date:

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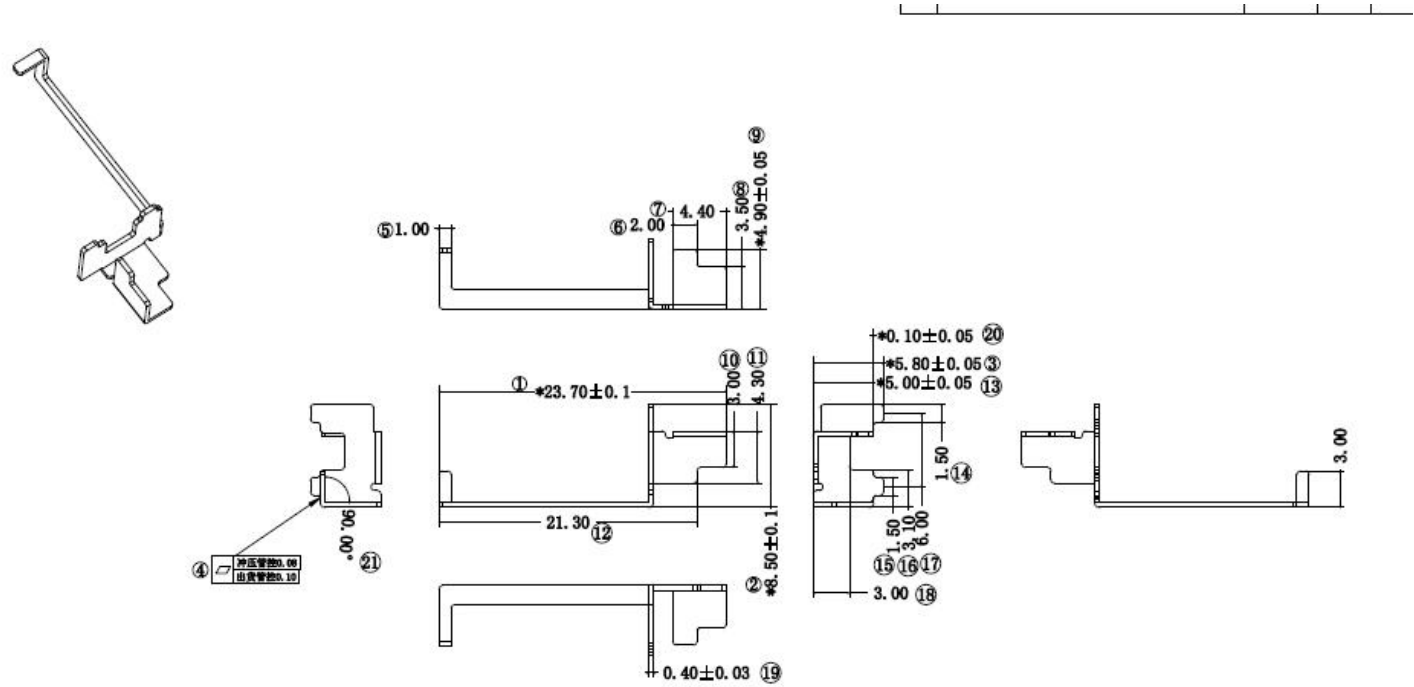
Antenna introducing

- ◆ Made by Copper-Nickel-Zinc Alloy material, work i 2.4~2.5GHz & 4.9~5.825GHz.
- ◆ Design by dipole antenna theory.
- ◆ High gain, High efficiency, Good port matching.
- ◆ Make wireless equipments better communication.

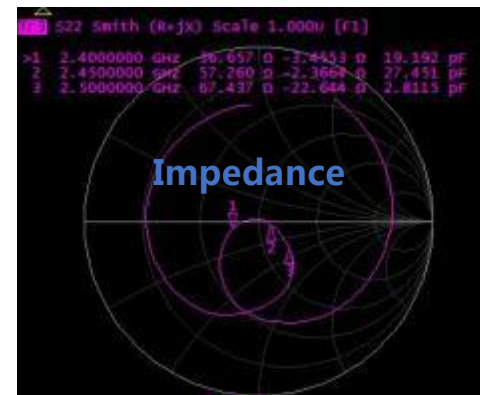
Antenna useful area

- ◆ Pads, note-book, reader and so on.
- ◆ IP camera, set top box and so on.
- ◆ DVD player, TV and consumer electronics.

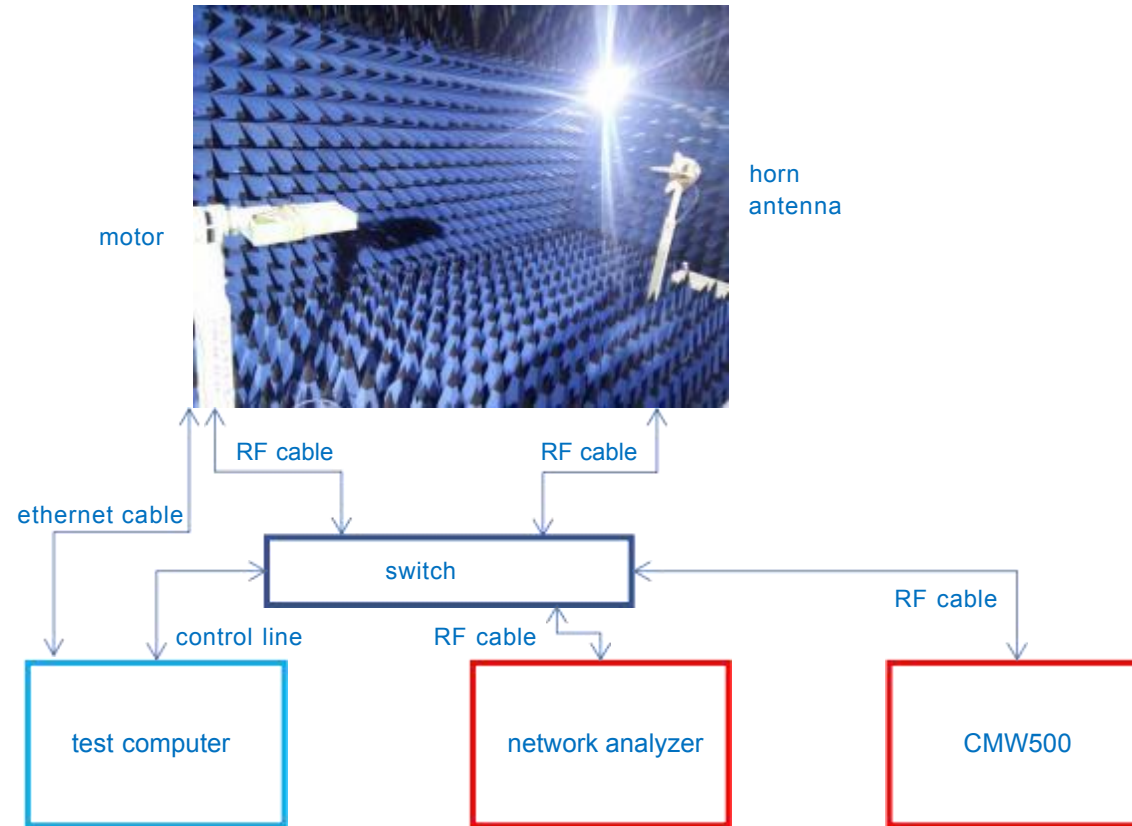
Antenna size(mm)---A99052A



Antenna S-parameter



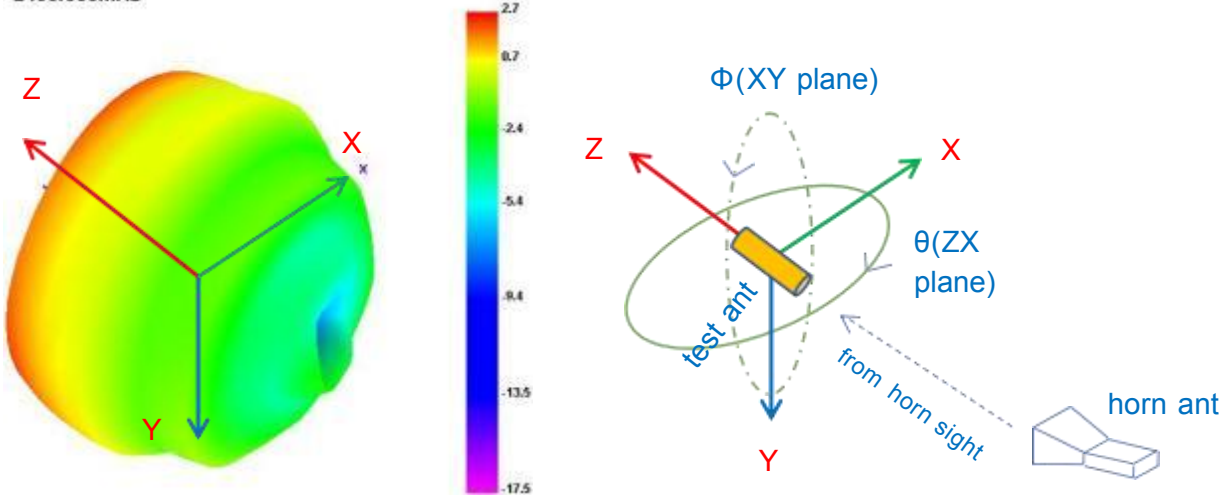
Antenna chamber structure



Antenna total gain and efficiency

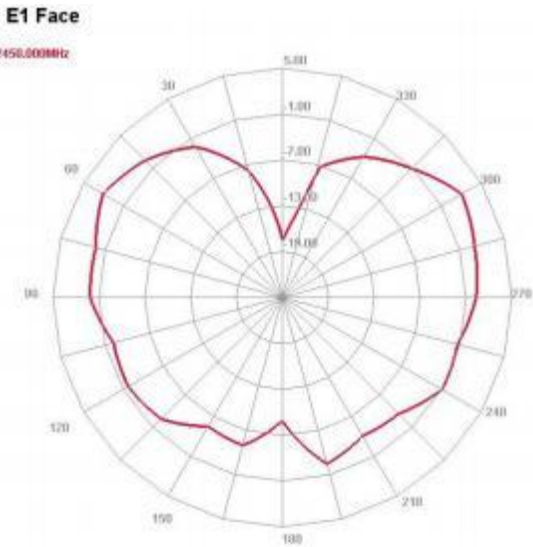
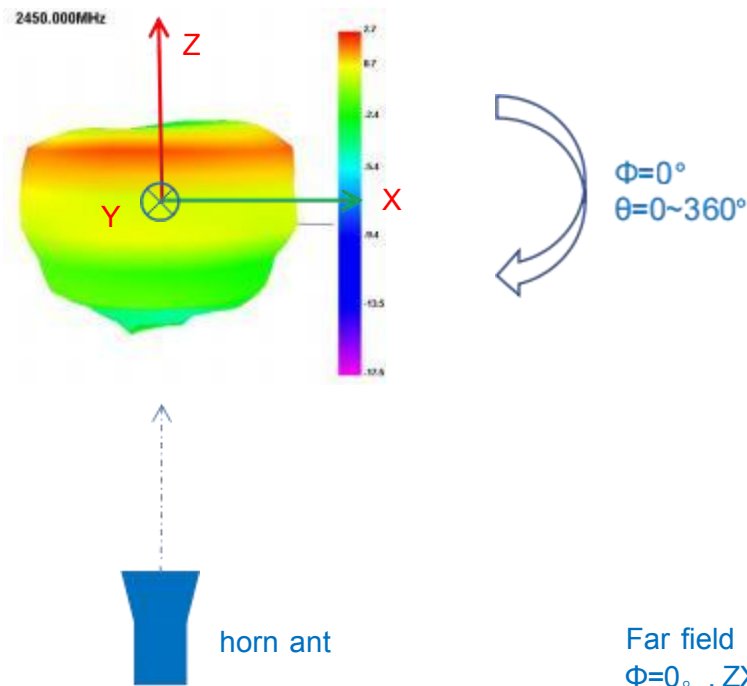
A99052A			
	Freq. (MHz)	Gain (dBi)	Efficiency (%)
PIFA_ANT0	2400	2.3	72%
	2450	2.2	75%
	2500	1.62	73%

2450.000MHz



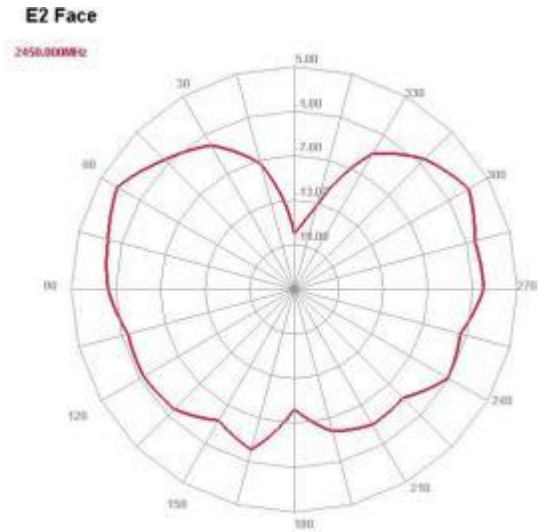
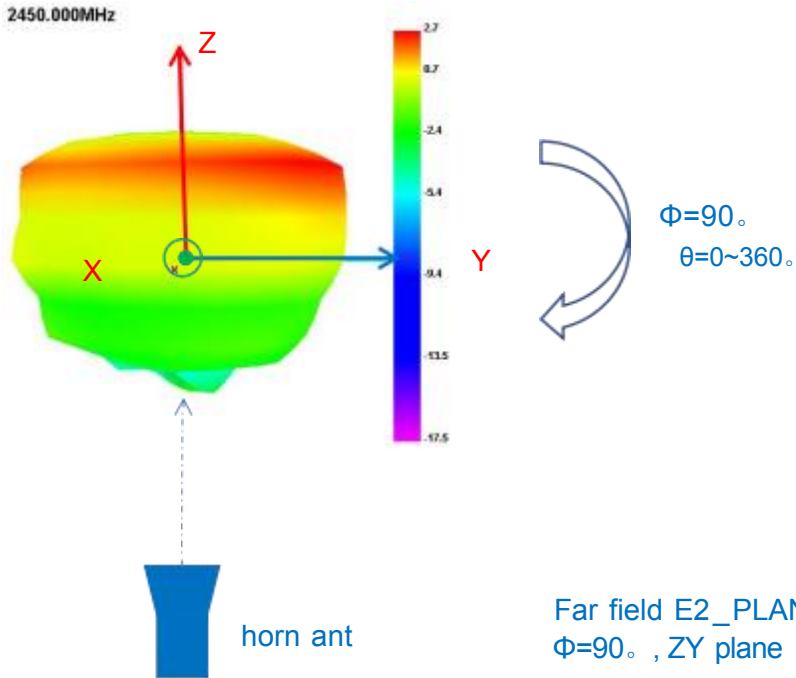
Radiation Pattern E_PLANE

A99054A	Freq. (MHz)	Gain (dB)
PIFA_ANT1	2450	2.3



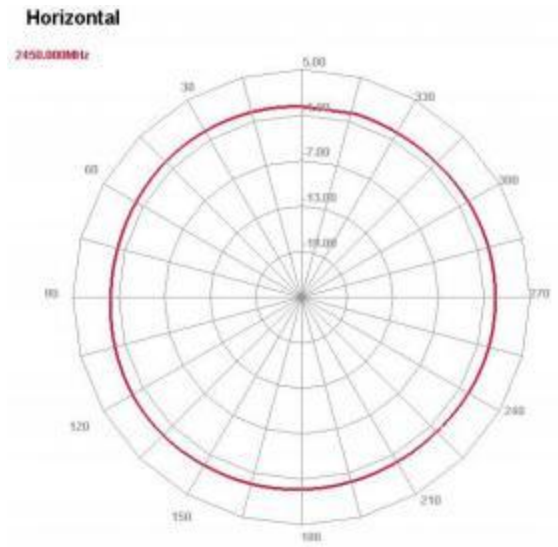
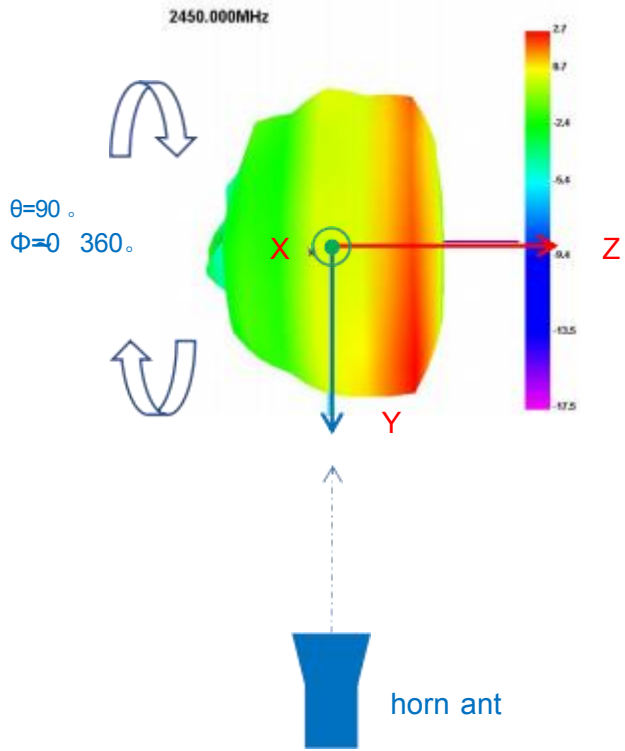
Far field E1_PLANE
 $\Phi=0^\circ$, ZX plane

A99054A	Freq. (MHz)	Gain (dB)
PIFA_ANT1	2450	2.2



Radiation Pattern H_PLANE

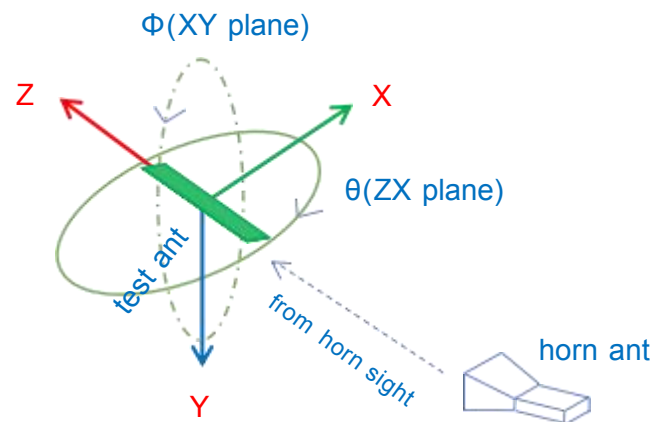
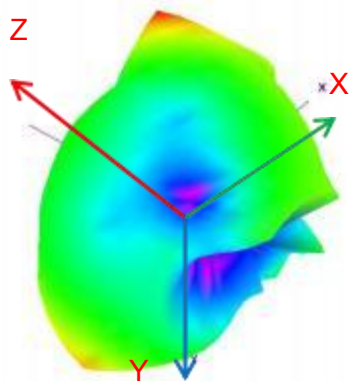
A99054A	Freq. (MHz)	Gain (dB)
PIFA_ANT1	2450	2.3



Far field H_PLANE
 $\theta=90^\circ$, XY plane

A99052A	Freq. (MHz)	Gain (dBi)	Efficiency (%)
PIFA_ANT1	5100	2.75	62%
	5400	2.86	65%
	5820	2.4	62%

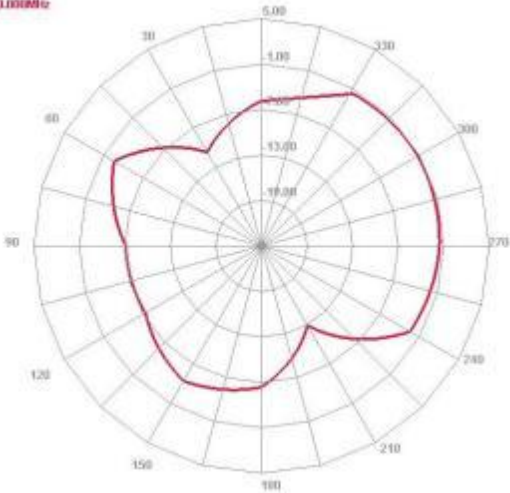
5400.000MHz



A99054A	Freq. (MHz)	Gain (dB)
PIFA_ANT1	5400	2.86

E1 Face

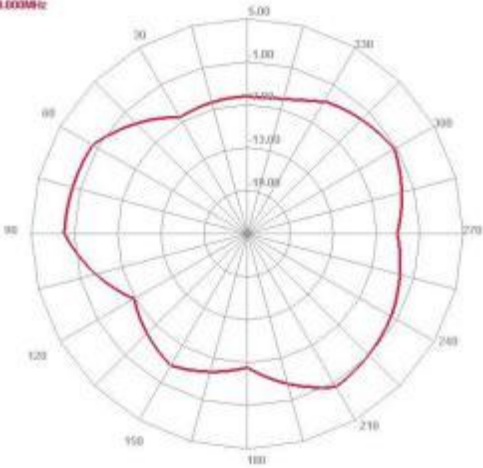
5400.000MHz



ZX plane

E2 Face

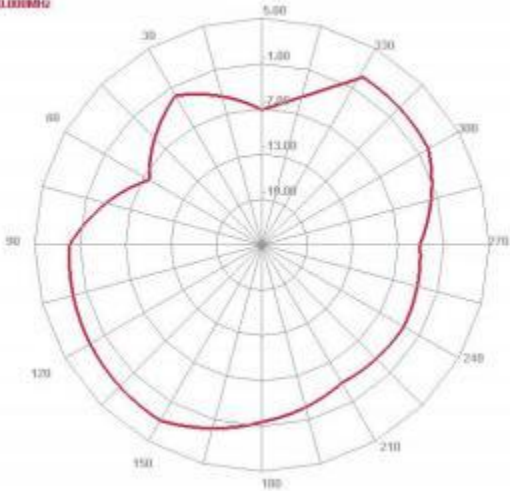
5400.000MHz



ZY plane

Horizontal

5400.000MHz



XY plane