

Antenna data sheet

(Revision: V1)

CUSTOMER	Dongguan Xingka Electronic Technology Co., Ltd
CS P/N	ALK-P11A/P12
PART NAME	2.4G Antenna 95MM-P11A/P12A
FREQUENCY	N/A
Peak Gain	3.57dBi
DATE	2024.08.02

Manufacturer : Shenzhen Yosong Communication Technology Co.Ltd

Add : Room 1008, Building C, Shenzhen Century Industrial Center,
No. 743, Zhoushi Road, Hezhou Community, Hangcheng Sub-district,
Bao 'an District, Shenzhen City, China

一. Overview

This report describes the parameters of the project as follows:

Model: ALK-P11A/P12

Description: 2.4G antenna 95MM-P11A/P12A, made of hardware + terminal wire.

二. Passive test data of the antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	67.07	-1.73	3.72
2410	66.35	-1.78	3.57
2420	66.79	-1.75	3.5
2430	67.83	-1.69	3.52
2440	70.09	-1.54	3.57
2450	69.89	-1.56	3.46
2460	71.52	-1.46	3.5
2470	72.42	-1.4	3.49
2480	68.73	-1.63	3.13
2490	68.9	-1.59	3.5
2500	66.44	-1.78	2.79

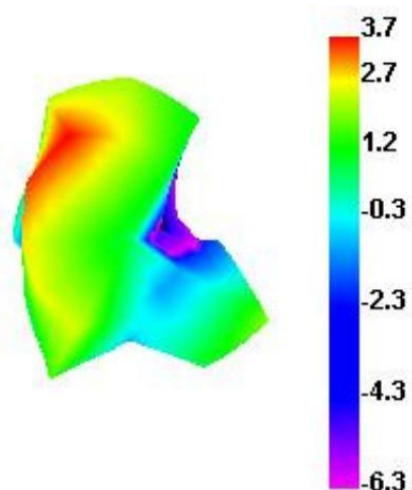
三. Motherboard frequency test data

	GHz	dBm
Mkr1	2.47062	21.924
Mkr2	2.42516	21.651
Mkr3	2.50131	20.248

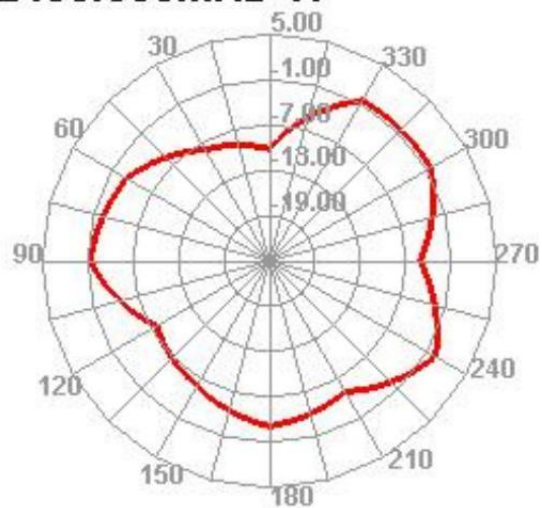
四. Antenna pattern

Radiation Pattern For WiFi Antenna(2400MHz)

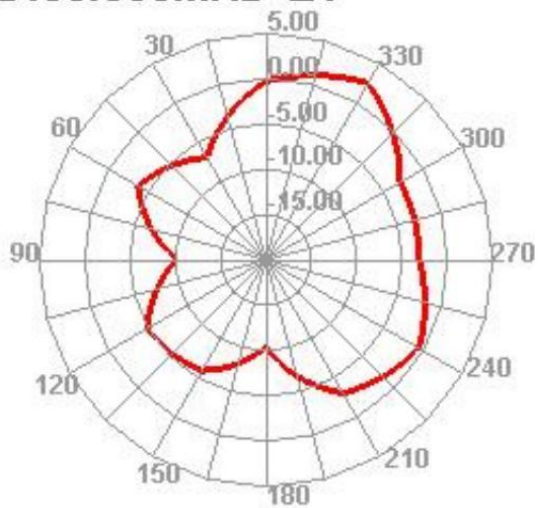
2400.000MHz



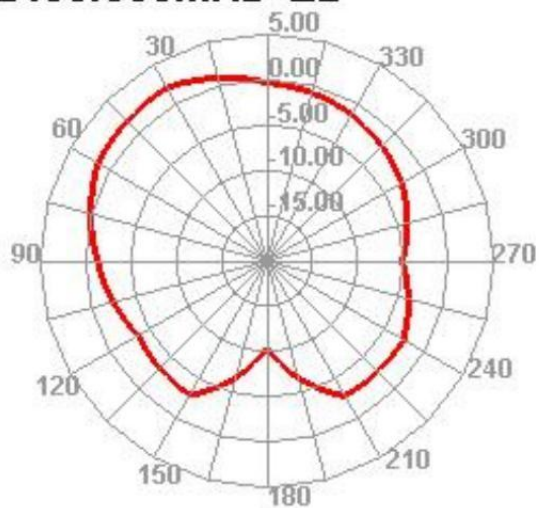
2400.000MHz H



2400.000MHz E1

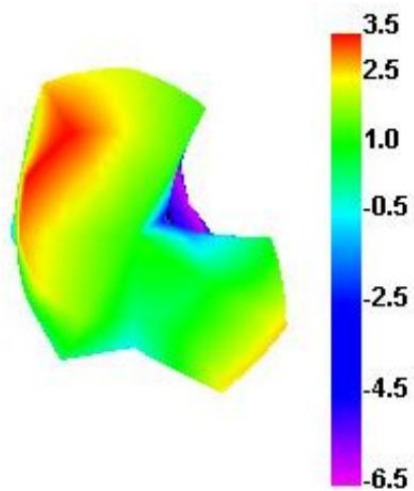


2400.000MHz E2

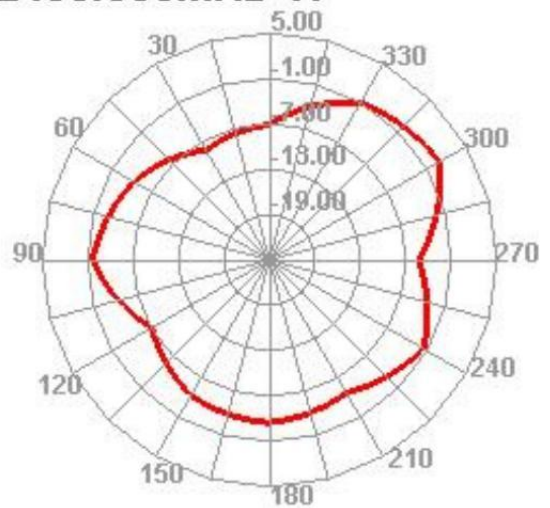


Radiation Pattern For WiFi Antenna(2450MHz)

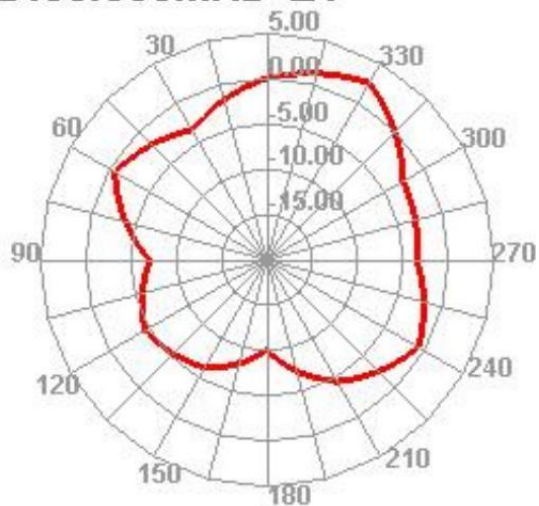
2450.000MHz



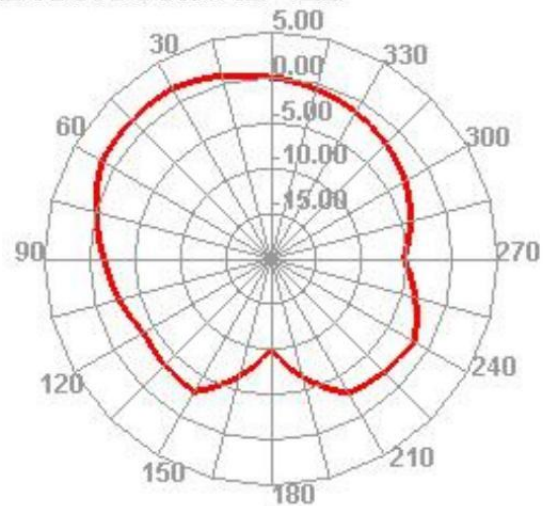
2450.000MHz H



2450.000MHz E1

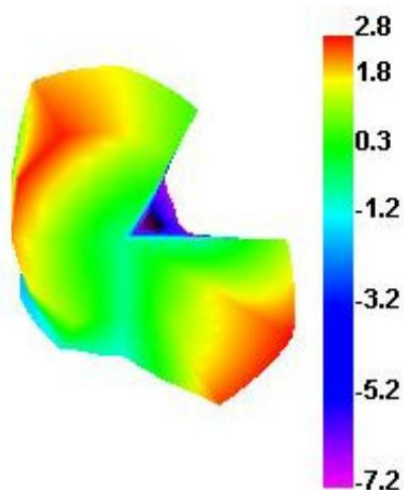


2450.000MHz E2

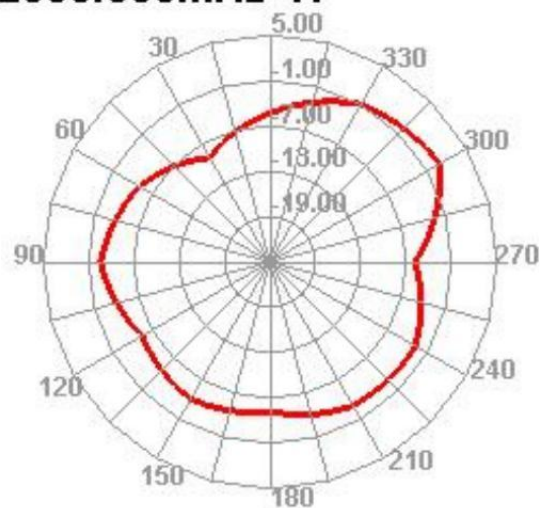


Radiation Pattern For WiFi Antenna(2500MHz)

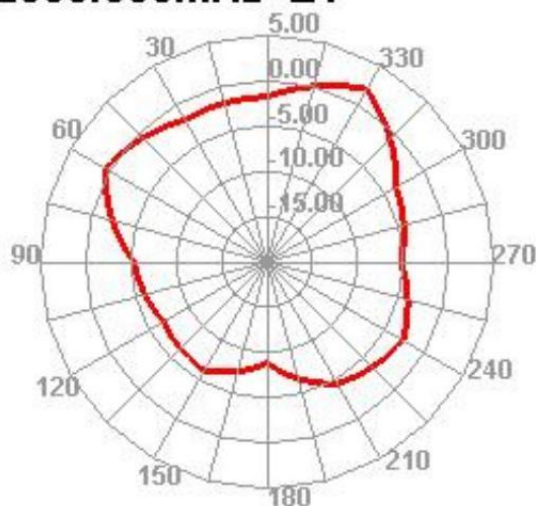
2500.000MHz



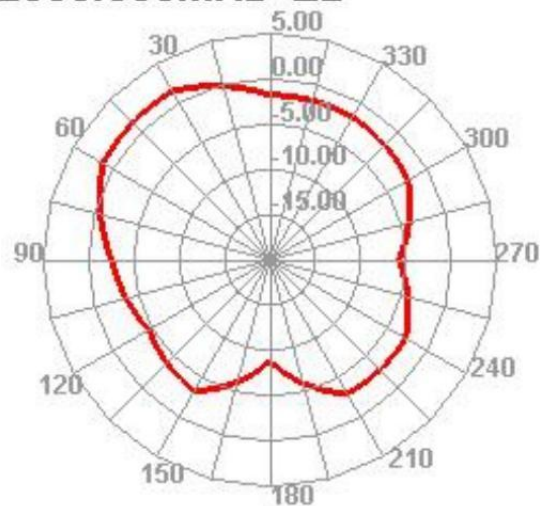
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



五. Dimension figure

