

供应商名称： 一佳电子通讯科技有限公司

# 产 品 承 认 书

## Specification for Approval

客户名称

Client Name:

百富计算机技术（深圳）有限公司

品 牌

Brand Name:

一佳

原厂料号

Part No:

YJS01.086.126.301A

物料规格

Part Description:

WiFi 天线, 材质: 洋白铜

产品制造商

Manufacturer:

一佳电子

百富物料类别

PAX Part Name:

天线

百富物料编号

PAX Materiel No.:

200212000000514


百富物料描述

PAX Description:

IM30-2.4&5G-WIFI 天线-厚度 0.5mm-洋白铜-V01-一佳

百富采用原因

PAX Import Reason:

供 应 商 签 章	客 户 签 章
	承 认: 确 认:

测试工程师: 殷涛

供应商联系地址: Yuanfu Industrial Park, No. 59, Muyu Road, Shatou Community, Chang'an Town, Dongguan, Guangdong

供应商联系人: 汪胜 供应商联系电话及传真: 0769-82586086 82586086

日期: 2023.09.25



# 天线规格

## Antenna Specification

<b>Electrical Properties</b>	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max@2.4-2.5GHz 4.0 Max@5.15-5.85GHz
Gain	1.7 dBi@2.4-2.5GHz 2.3 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
<b>Physical Properties</b>	
Connector	None
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



# 天线规格

## Antenna Specification

Project name	IM30
Manufacture	Dongguan Yijia Electronics
Test lab	Wide-frequency Darkroom
Name of antenna	Stainless Steel
Antenna type	WI-FI PIFA
Radiation	Omni-directional
Polarization	Line polarization



天线测试仪器 / 校准日期 (E5071B / 2023.09.12)

# 校准证书

CALIBRATION CERTIFICATE

证书编号: HX2309CC015006  
Certificate No.



委托方 Client	东莞市一佳电子通讯科技有限公司		
委托方地址 Address	东莞市长安镇沙头社区木鱼路59号3号楼		
仪器名称 Description	网络分析仪		
型号/规格 Model/Type	E5071B		
制造厂 Manufacturer	Agilent		
出厂编号 Serial No.	/	接收日期 Receive Date	2023-09-12
管理编号 Asset No.	YJ-PD-002	校准日期 Calibration Date	2023-09-12
结论 Conclusion	所校准项目合格	建议复校日期 Suggested Recal.Date	2024-09-11

批准 Approved by	<u>吕波</u> 吕波	职务 Position	技术负责人
核验 Inspected by	<u>莫万锋</u> 莫万锋		
校准 Calibrated by	<u>夏磊磊</u> 夏磊磊		



计量校准机构备案证书号 (Register No.): 粤校备2017B016

地址: 广东省深圳市宝安区燕罗街道塘下涌社区致和路12号广盛大厦201

Address: No.201,Guangsheng Building, No. 12, Zhihe Road,Tangxiayong Community Ercun, Yanluo Street, Bao'an District, Shenzhen, Guangdong,China

电话Tel: 0755-8525 9375

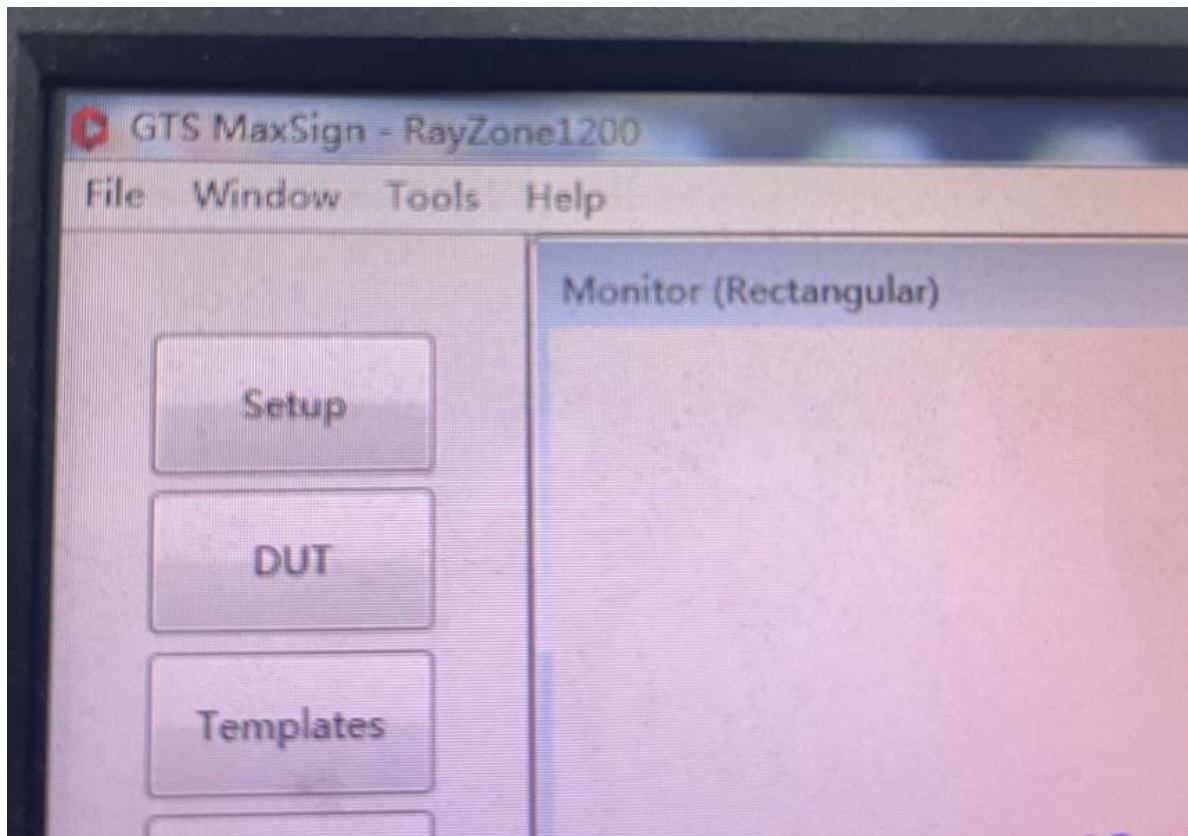
电子邮件Email: hxjljc@yeah.net

传真Fax: 0755-8525 9376

邮编Post Code: 518035



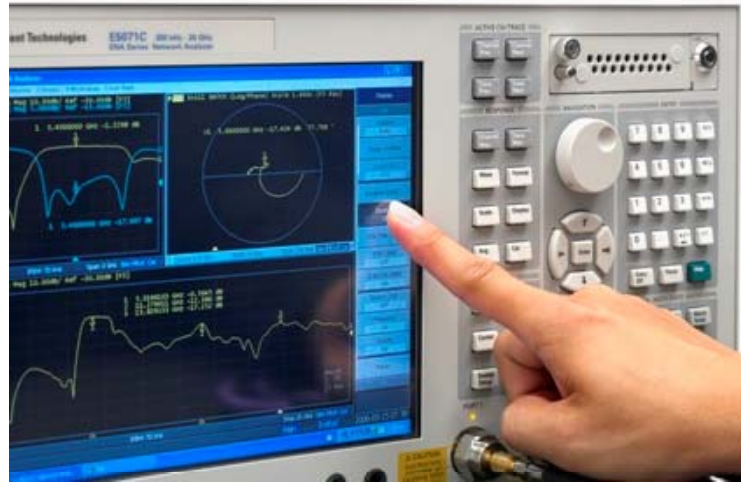
## 测试软件(GTS MaxSign-RayZone1200)



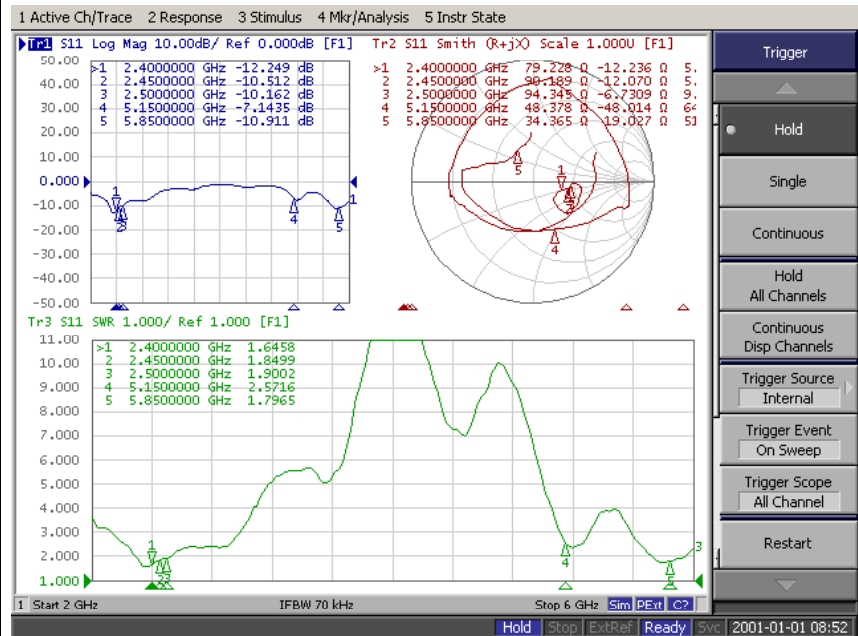


# Antenna Performance Test

**Agilent  
E5071B**



**S  
Parameter  
Test //  
WIFI  
Antenna**





Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	46.5	-3.3	1.7
2410	46.1	-3.4	1.5
2420	46.0	-3.4	1.2
2430	45.0	-3.5	0.9
2440	45.2	-3.5	0.7
2450	48.2	-3.2	1.1
2460	48.6	-3.1	1.2
2470	50.0	-3.0	1.4
2480	50.8	-2.9	1.4
2490	52.0	-2.8	1.5
2500	51.8	-2.9	1.5

add: Yuanfu Industrial Park, No.59, Muyu Road, Shatou Community, Chang'an Town, Dongguan, Guangdong



### Passive Test For WiFi Antenna(5.8G)

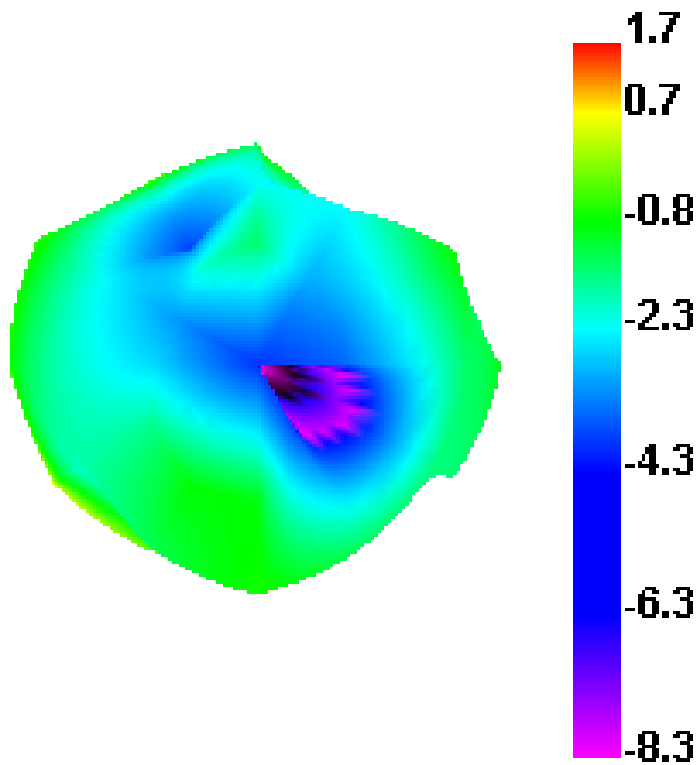
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	34.2	-4.7	-0.7
5200	35.7	-4.5	-0.2
5250	39.9	-4.0	0.6
5300	46.8	-3.3	1.6
5350	49.5	-3.1	2.1
5400	45.8	-3.4	2.2
5450	42.3	-3.7	2.1
5500	45.5	-3.4	2.2
5550	47.2	-3.3	2.0
5600	48.0	-3.2	1.8
5650	56.7	-2.5	2.3
5700	49.5	-3.1	1.6
5750	47.3	-3.3	1.5
5800	44.9	-3.5	1.7
5850	45.7	-3.4	1.7





## Radiation Pattern For WIFI Antenna(2400MHz)

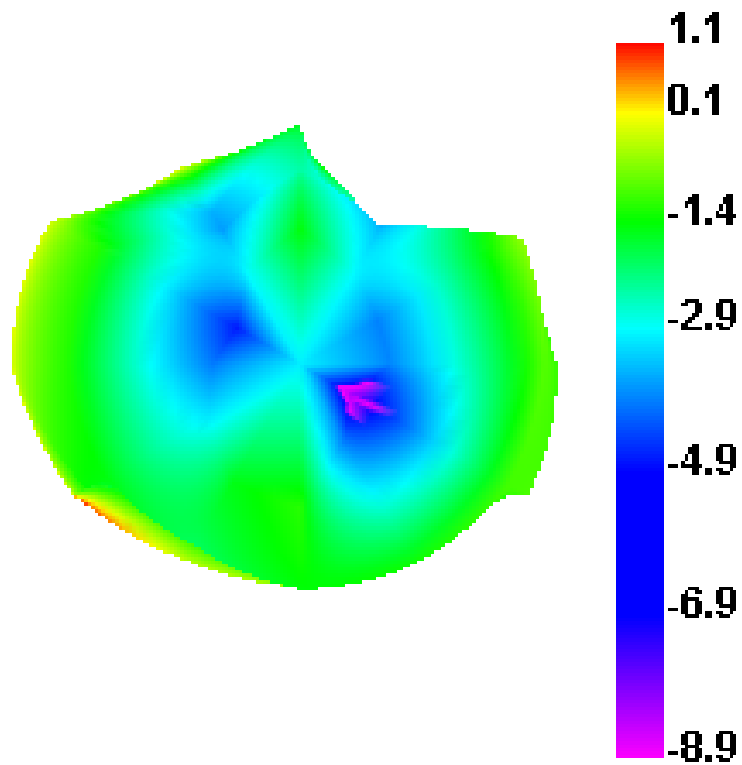
**2400.000MHz**





## Radiation Pattern For WIFI Antenna(2450MHz)

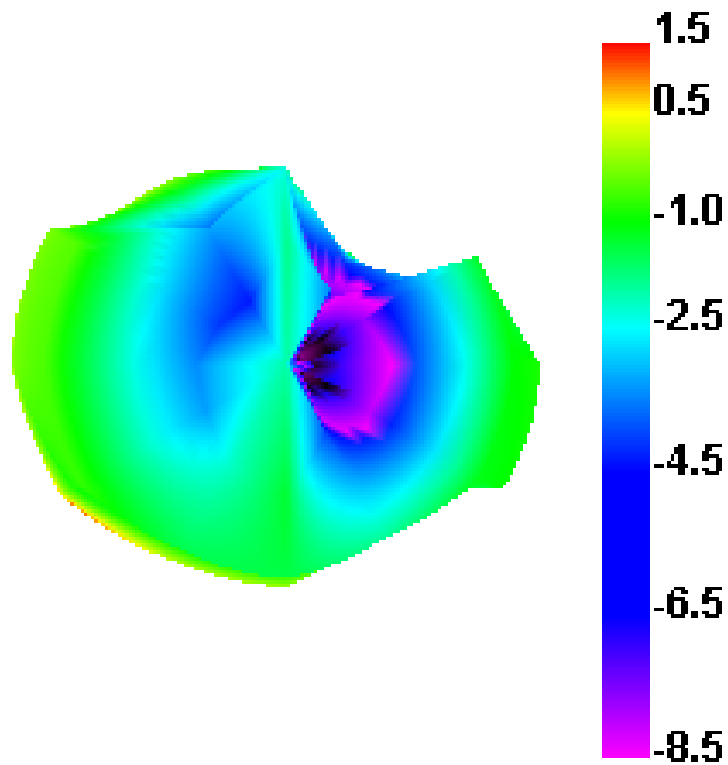
**2450.000MHz**





## Radiation Pattern For WIFI Antenna(2500MHz)

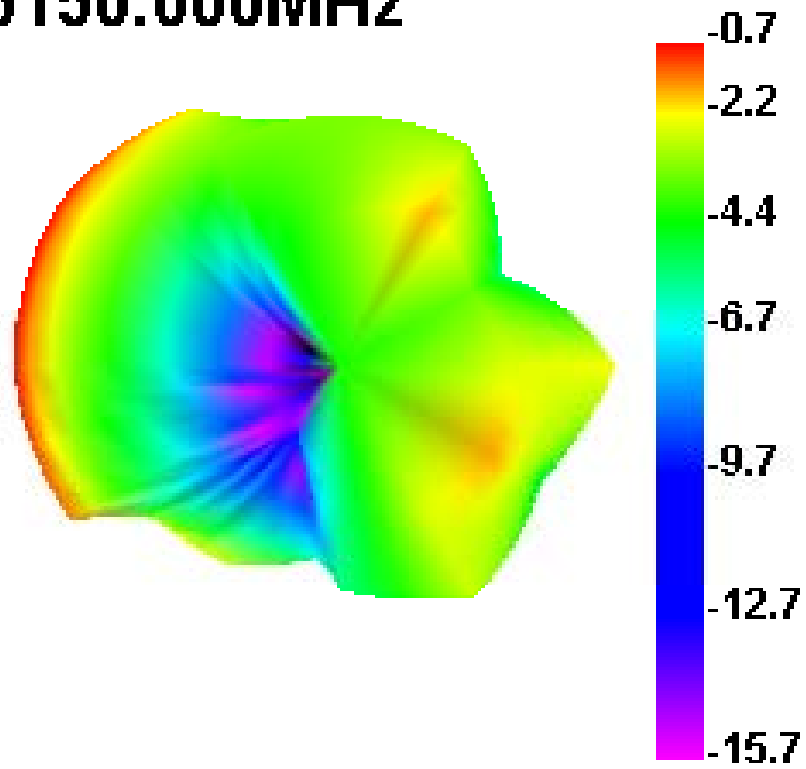
**2500.000MHz**





## Radiation Pattern For WIFI Antenna(5150MHz)

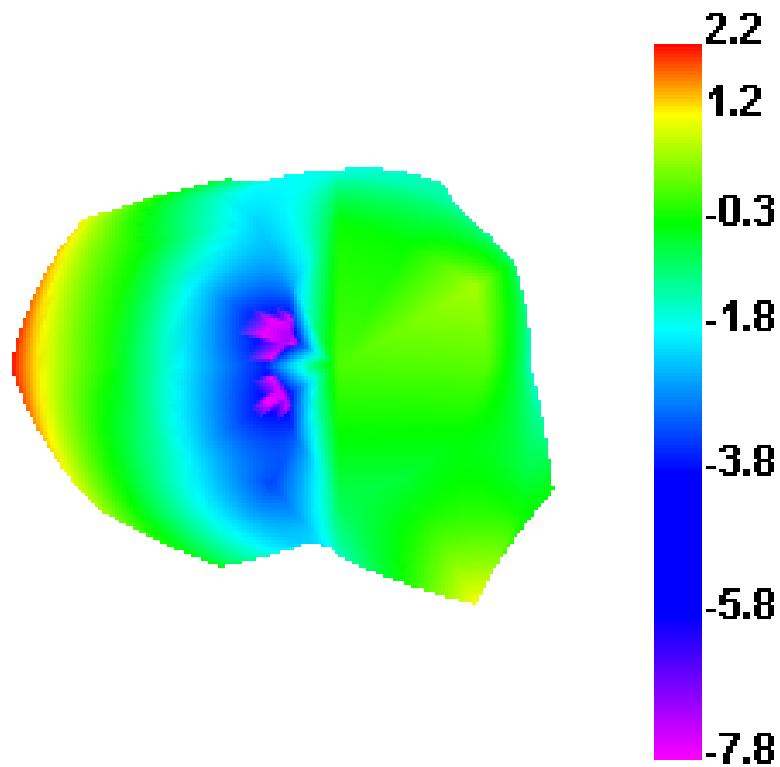
**5150.000MHz**





## Radiation Pattern For WIFI Antenna(5500MHz)

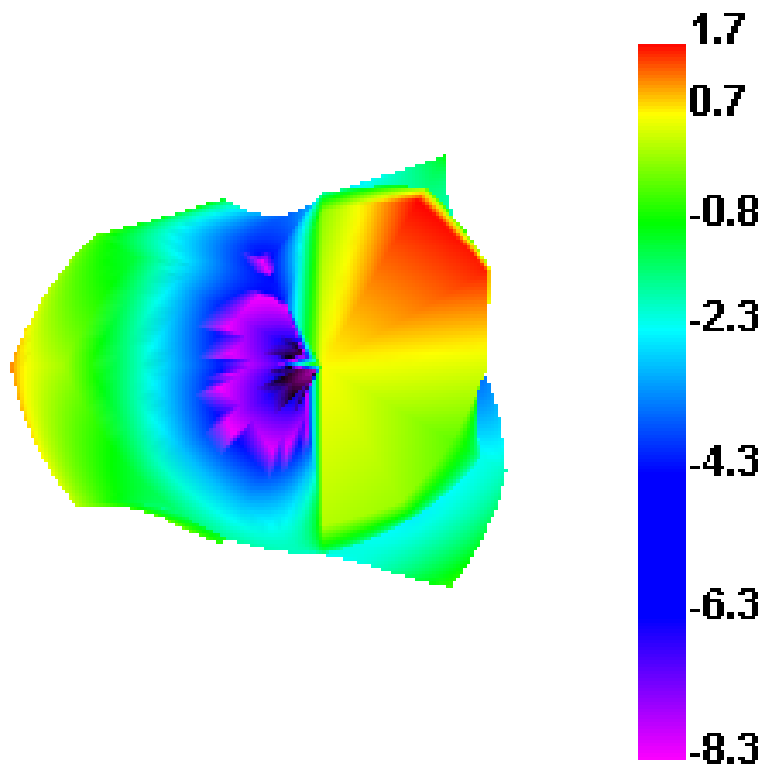
**5500.000MHz**

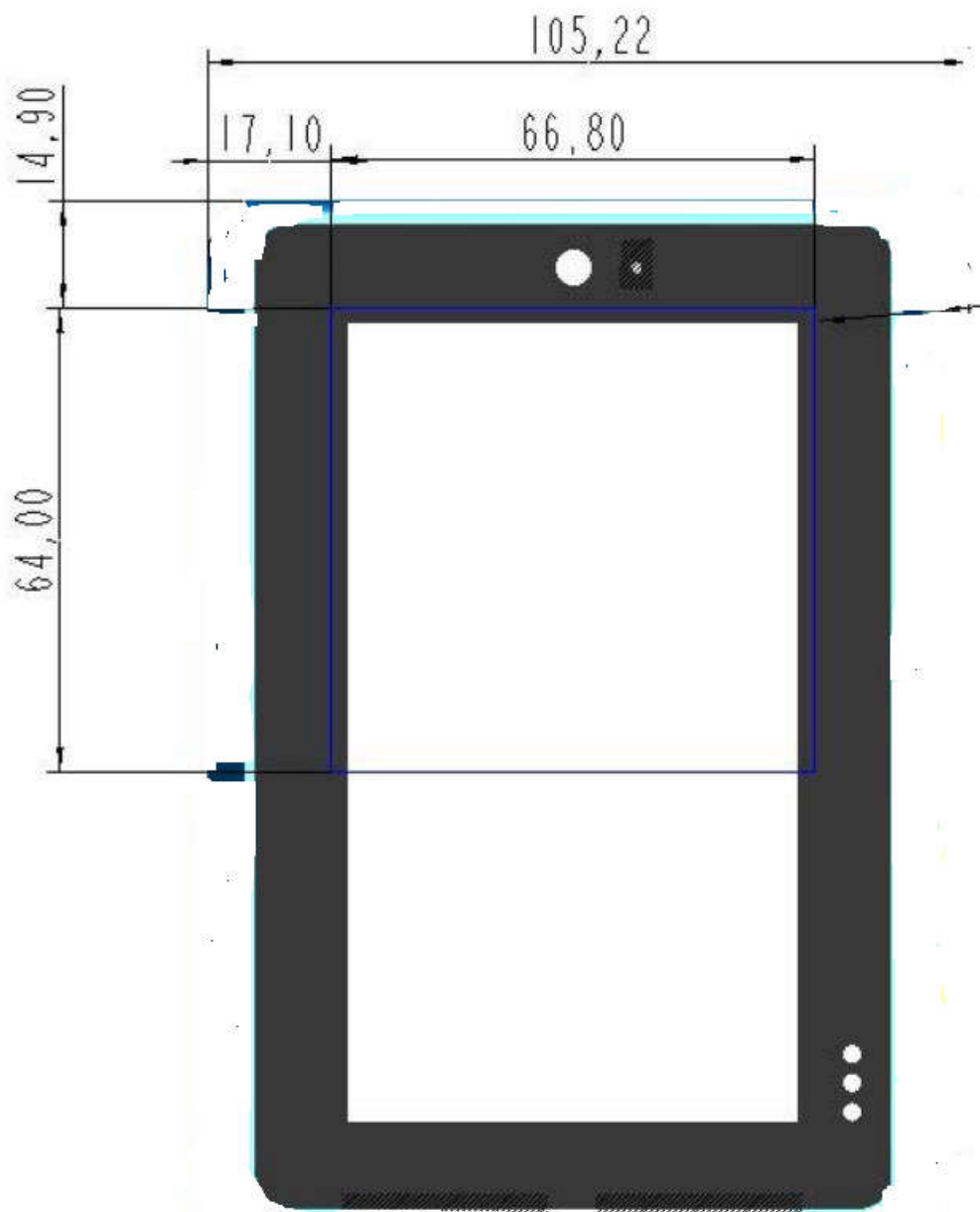




## Radiation Pattern For WIFI Antenna(5850MHz)

**5850.000MHz**





NFC Antenna  
Type: PCB Antenna