

WIFI Antenna

1. Explanation of Product number :

S L K - C T - W 5 D B - S M A

1

2

3



Product Code:

(1) Customer:

CT: 中科联合

(2) Antenna Name:

W5DB: 白色5DB (WIFI Antenna 2.4-2.5/5.15-5.85GHz)

(3) Connector:

SMA: SMA female (母针) 配套SLK-CT-SMA-200I-B转接线(公针)

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3. Applications

- * IEEE802.11 (b/g/n)
- * Hand-held devices when WIFI (802.11 b/g/n) functions are needed

4. Description

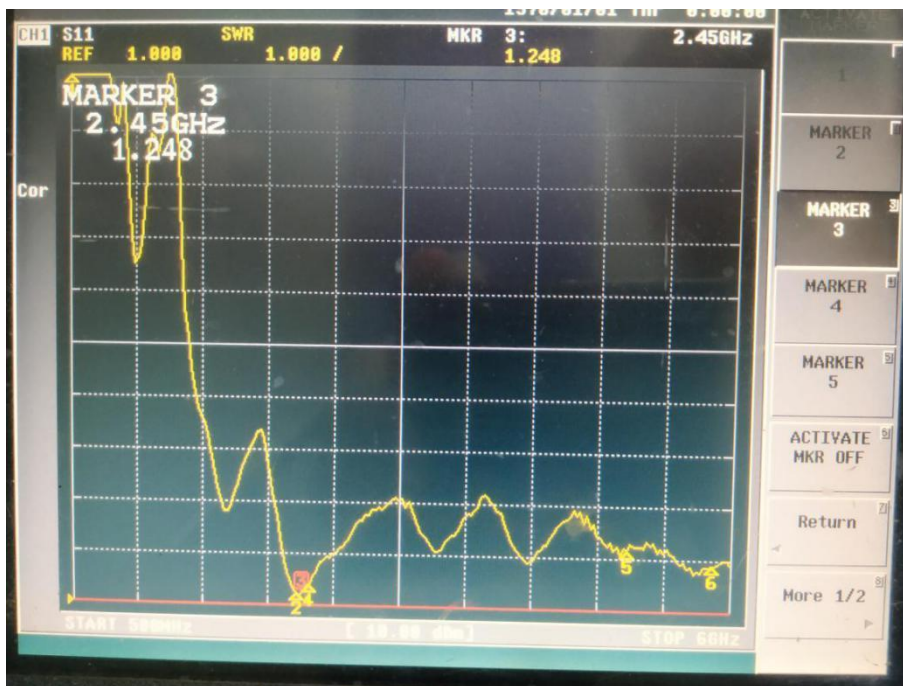
Holy bond's External antenna series are specially designed for WIFI (802.11b/g/n) applications. Based on Holy bond's proprietary design and processes, this External antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

5-1

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500 5150-5850	Frequency Range (MHZ)	2400-2500 5150-5850
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	2.4G:5.85 5G:5.81	Gain(dBi)	2.4G:5.85 5G:5.81
输出电压 驻波比	≤ 1.92	VSWR	≤ 1.92
极化方式	垂直极化	Polarization	Linear, Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	SMA 母针	Connector Type	SMA female needle
物理性能		Physical Properties	
天线外套材料	TPEE	Antenna cover	TPEE
工作温度	-20°C~+70°C	Operating Temp	-20°C~+70°C
保存温度	-20°C~+70°C	Storage Temp	-20°C~+70°C

5-2.VSWR/S11/Smith

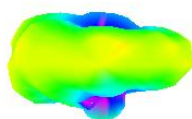


5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

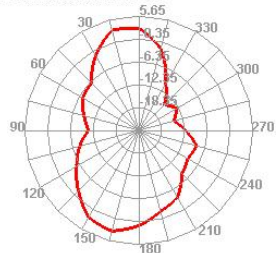
Frequency(MHz)	Efficiency (%)	Average Gain(dB)	Peak GAIN (dBi)
2400	72.71	-1.38	5.65
2410	71.28	-1.47	5.66
2420	70.68	-1.51	5.66
2430	69.24	-1.6	5.64
2440	72.43	-1.4	5.78
2450	73.16	-1.36	5.8
2460	69.73	-1.57	5.48
2470	70.63	-1.51	5.51
2480	71.34	-1.47	5.43
2490	73.44	-1.34	5.56
2500	75.63	-1.21	5.85

5150	51.61	-2.87	3.8
5250	58.87	-2.3	4.11
5350	58.43	-2.33	5.24
5470	59.13	-2.28	5.51
5550	69.94	-1.55	5.81
5600	67.43	-1.71	5.49
5750	62.06	-2.07	4.81
5850	61.8	-2.09	3.59

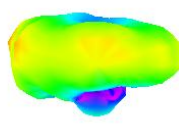
2400.000MHz



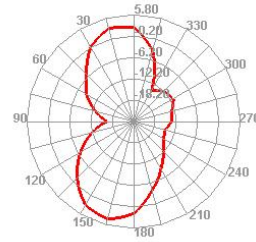
2400.000MHz H



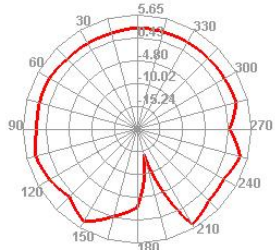
2450.000MHz



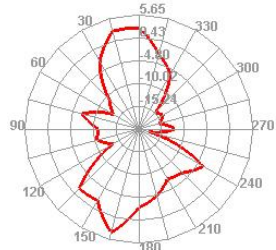
2450.000MHz H



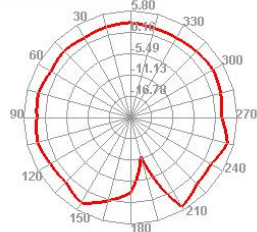
2400.000MHz E1



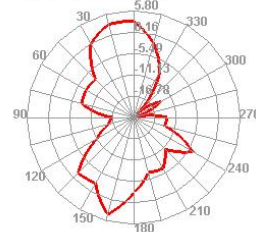
2400.000MHz E2



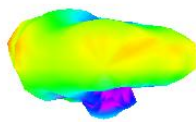
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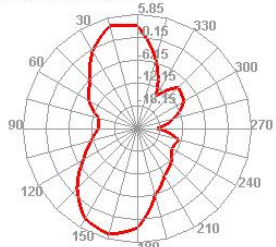
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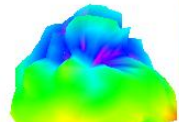
2500.000MHz



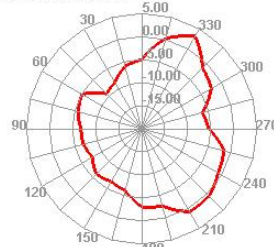
2500.000MHz H



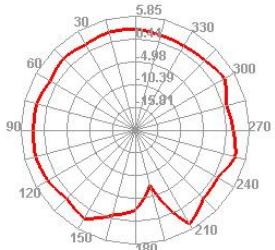
5150.000MHz



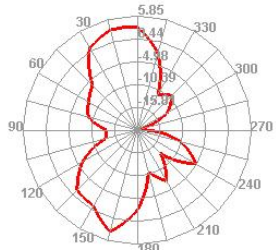
5150.000MHz H



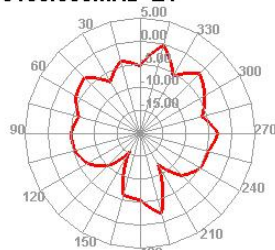
2500.000MHz E1



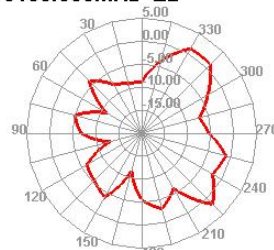
2500.000MHz E2



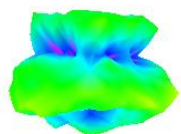
5150.000MHz E1



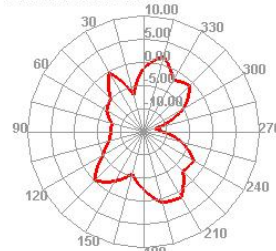
5150.000MHz E2



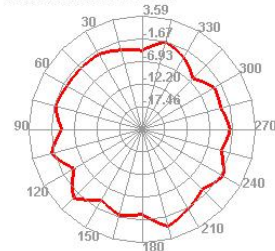
5550.000MHz



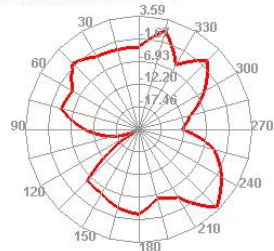
5550.000MHz H



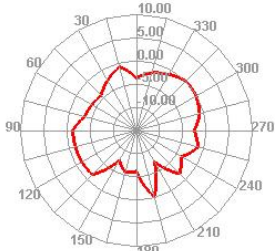
5850.000MHz E1



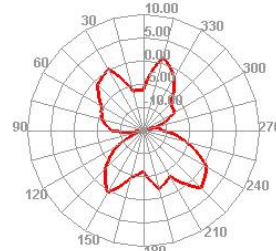
5850.000MHz E2



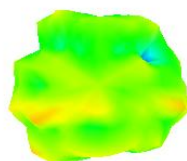
5550.000MHz E1



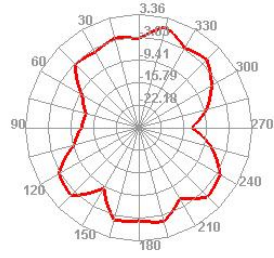
5550.000MHz E2



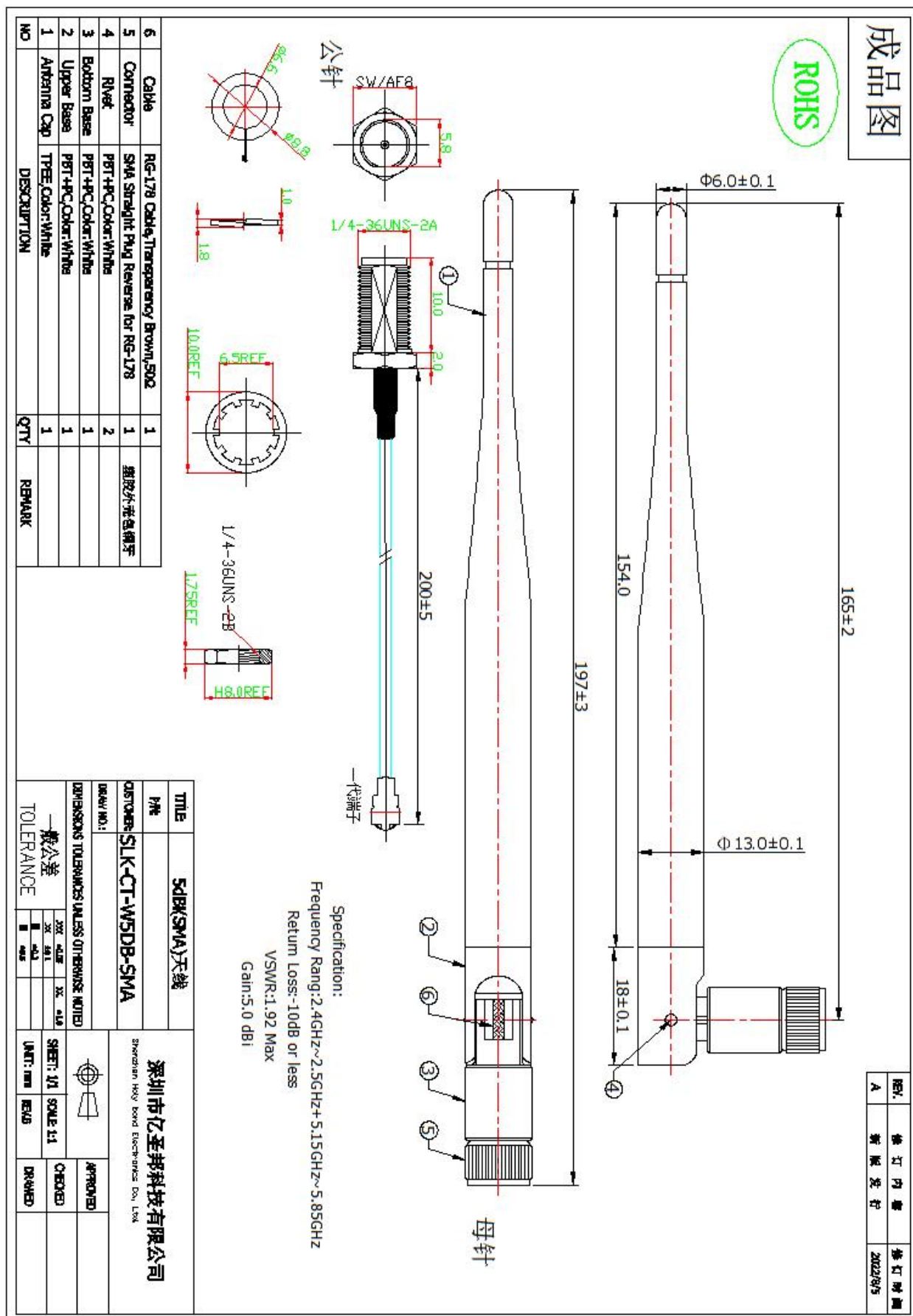
5900.000MHz



5900.000MHz H



6. Antenna Dimensions (unit: mm)



附：包装说明（示例）

客户：	产品：WIFI 天线胶棒 5DB	颜色：黑色
客户料号：	本司料号：SLK-HKC-B5DB	日期：2021.11.11



1. 品质部按照检测指导书对单个天线进行外观和性能全检。



2. 产线按照 50PCS 每袋进行包装作业。



4. 封箱称重，放入成品仓，待出货。



3. 按照客户标签要求，贴好标签装箱作业。

备注：内包装：每包 50PCS

外包装：纸箱尺寸 380X380X180MM 每箱 2400PCS。

跟据实际订单数量，纸箱尺寸有可能会有差异。

根据不同客户，制作不同的内外包装标签。

工程部：陈仕联	品质部：王鑫源	核准：
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