

SPECIFICATION FOR APPROVAL

供 应 商 名 称 (SLK 填写): WIFI:SLK-AK-2520S-M-50-B

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WIFI Antenna

1. Explanation of Product number :

S L K - A K - 2 5 2 0 S - M - 5 0 - B

1 2 3 4 5



Product Code:

(1) Customer:

AK:艾科

(2) Project:

2520S: SLK-AK-2520S(WIFI antenna 2.4~2.5+5.15~5.85GHz)

(3) Welding Position

M:Middle

(4) Cable Length:

50: 50*1.13MM

(5)Cable Color

B: Black

2. Features

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

3. Applications

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

4. Description

Holy bond’s External antenna series are specially designed for WIFI (802.11 a/b/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

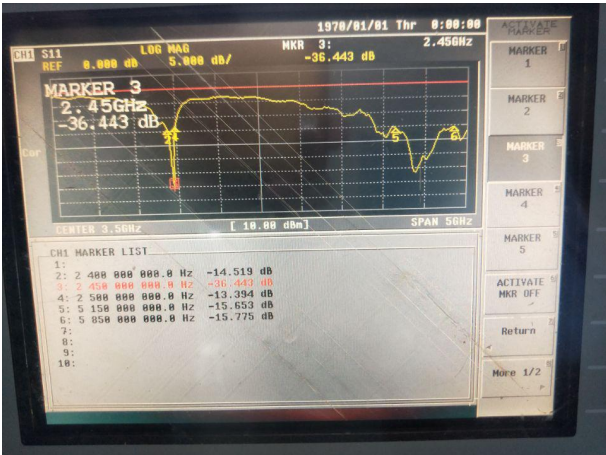
Characteristics	Specifications	Unit
Outline Dimensions	25.03*20.09*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

5-2

VSWR



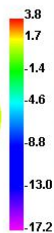
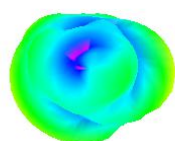
S11



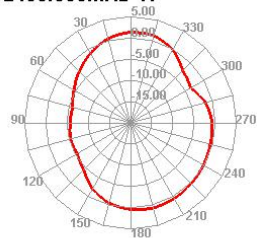
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	45.11	-3.46	2.02
2410	49.69	-3.04	2.72
2420	45.04	-3.46	1.95
2430	47.1	-3.27	3.18
2440	45.68	-3.4	3.04
2450	54.2	-2.66	3.8
2460	52.32	-2.81	3.72
2470	55.01	-2.6	3.59
2480	51.94	-2.85	3.2
2490	51.94	-2.84	3.04
2500	49.42	-3.06	2.69
5150	33.68	-4.73	0.8
5250	38.92	-4.1	1.58
5500	44.12	-3.55	1.92
5750	45.36	-3.43	2.74
5850	46.94	-3.28	1.9

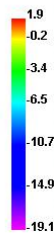
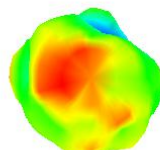
2450.000MHz



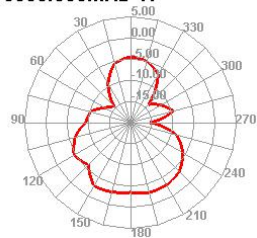
2450.000MHz H



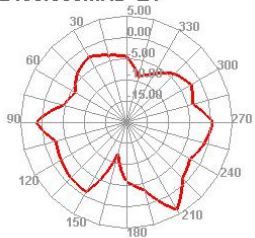
5850.000MHz



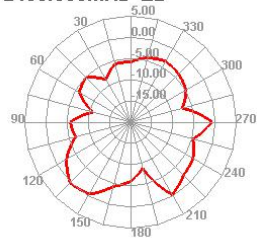
5850.000MHz H



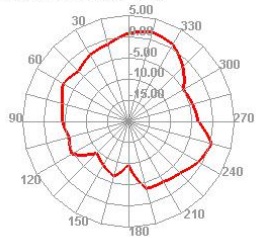
2450.000MHz E1



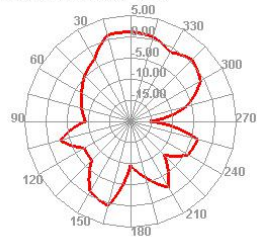
2450.000MHz E2



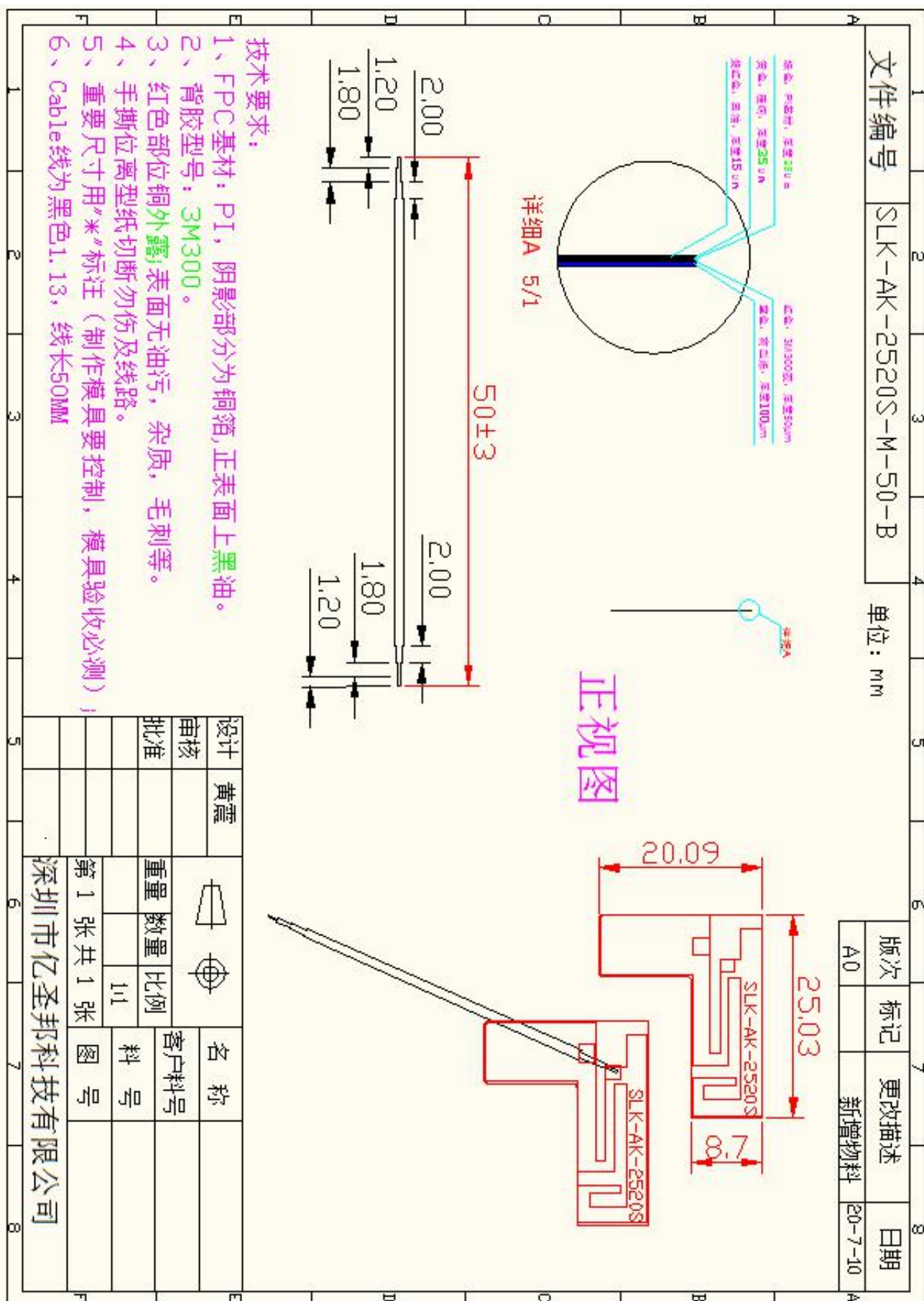
5850.000MHz E1



5850.000MHz E2



6. Antenna Dimensions (unit: mm)



7. Antenna Picture

