

WIFI Antenna (2520A)

1.Explanation of Product number :

S L K - S D Z L - 2 5 2 0 A - R - 3 0 0 I V - B

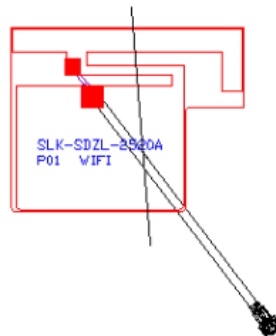
1

2

3

4

5



Product Code:

(1) Customer:

SDZL:

(2) Project:

2520A:SLK-SDZL-2520A (WIFI antenna)

(3) Welding Position

R:Right

(4) Cable Length:

300IV: 300*1.13M

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

5. Electrical Specifications

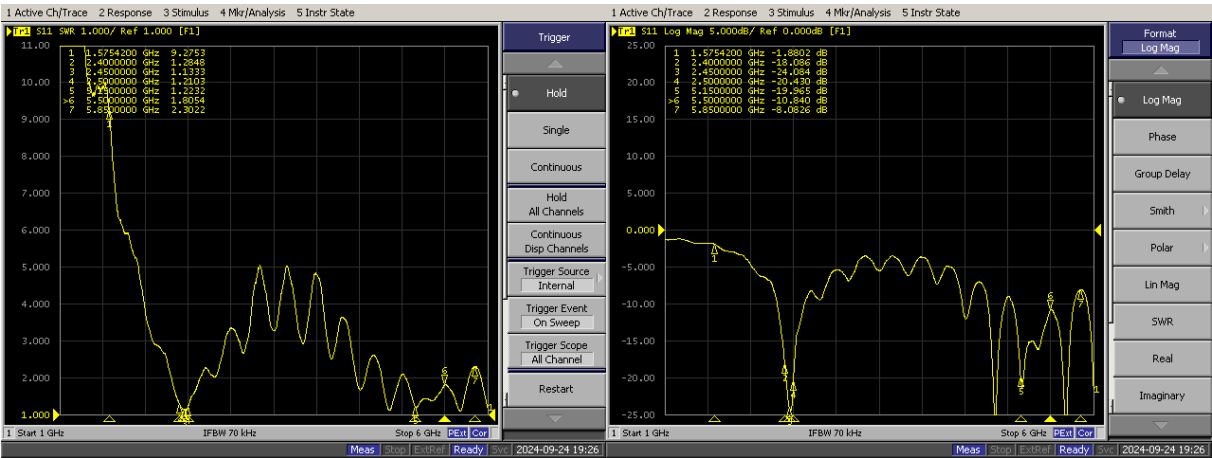
5-1

Characteristics	Specifications	Unit
Outline Dimensions	25.43x20.09x0.12	mm
Center Frequency	2.4-2.5/5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5.2

VSWR

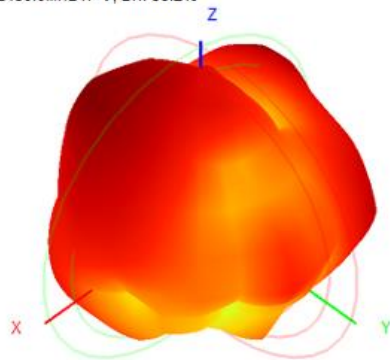
S11



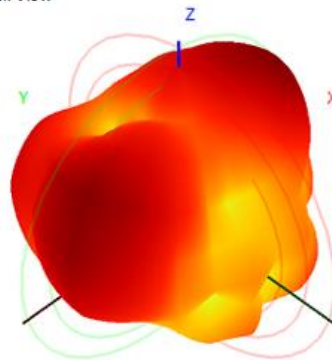
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.22	1.74	37.78
2410	-4.10	1.99	38.85
2420	-4.28	1.73	37.29
2430	-4.47	1.53	35.67
2440	-4.17	1.95	38.24
2450	-4.41	1.71	36.20
2460	-4.33	1.69	36.90
2470	-4.59	1.34	34.70
2480	-4.63	1.96	34.36
2490	-4.47	1.85	35.68
2500	-4.48	1.86	35.58
5150	-4.27	2.94	37.38
5250	-4.23	2.21	37.72
5450	-4.16	2.36	38.29
5850	-4.02	2.40	39.56

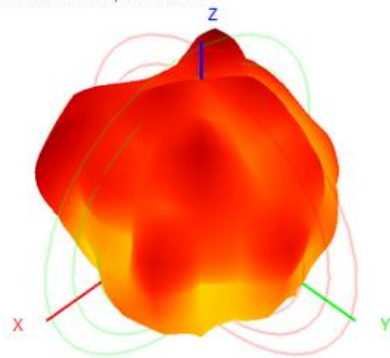
2450.0MHz H+V, Eff: 36.2%



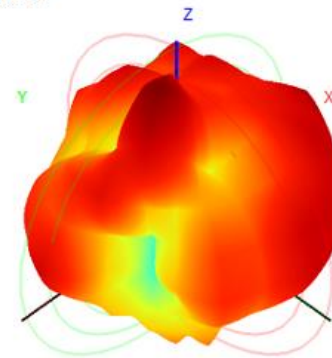
Back View



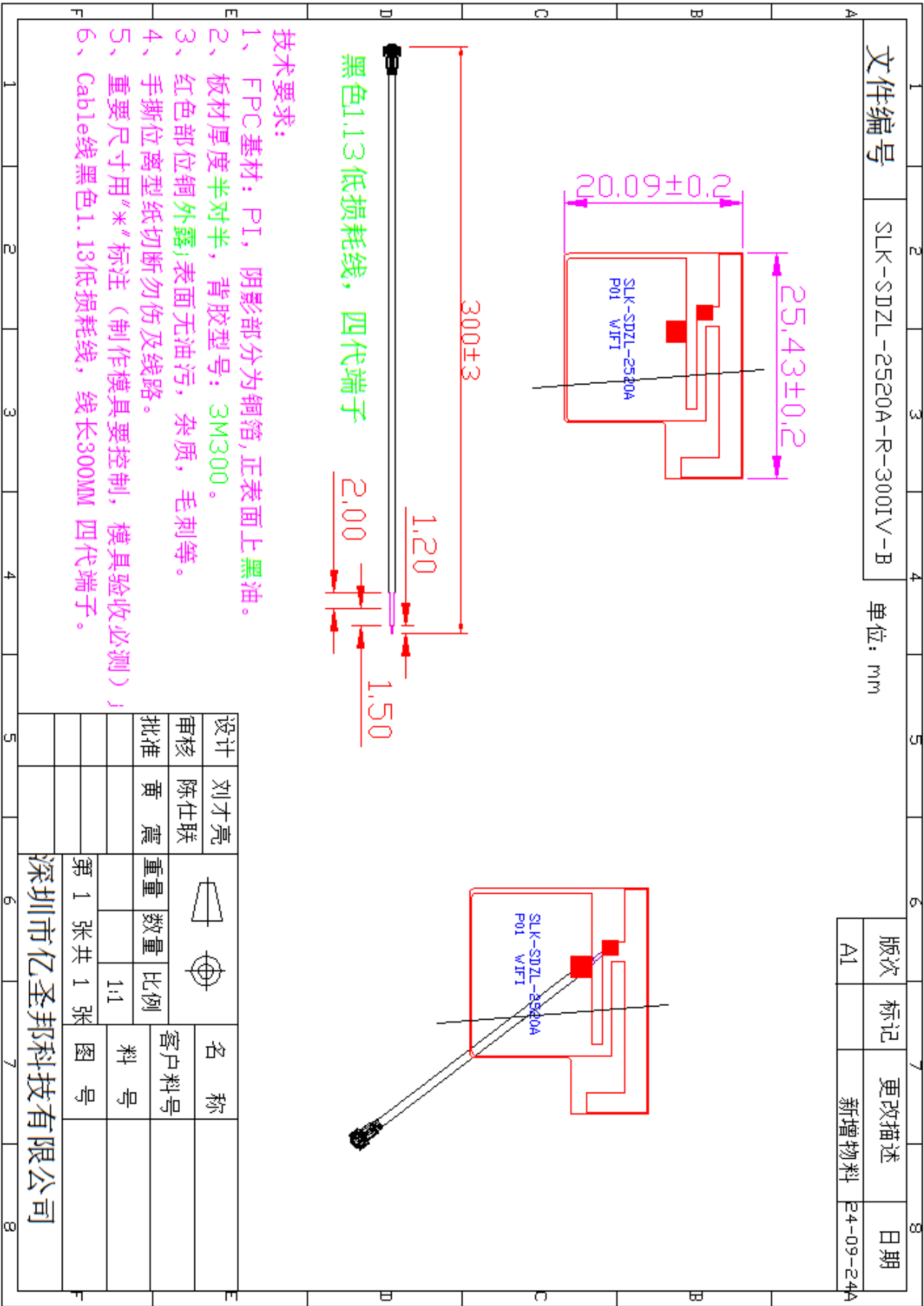
5450.0MHz H+V, Eff: 38.3%



Back View



6.Antenna Dimensions (unit: mm)



7. Antenna Picture

