

Manufacturer: Shenzhen Yishengbang Technology Co., LTD

Sample acceptance letter

SPECIFICATION FOR APPROVAL

The name of the company : DONGGUAN IPRODA TECHNOLOGY Co., LTD

Thematerial code:

specifications: T1285P1WT

Admitted to date:

The name of the supplier: Shenzhen Yishengbang Technology Co., LTD

Supplier standard type number: W/G/B: SLK-APD-5119-L-60IV-B-0. 81

Admit signature					
For acceptance by the contractor			DONGGUAN IPRODA TECHNOLOGY Co., LTD		
Rf Engineer	audit	approval	Rf Engineer	audit	approval
Yu Chang	Zhen	Mei Cai			
Zhan	Huang	Lin			
Signed and sealed			Signed and sealed		
date		2025-9-28	date		
instructions: ☐ accept ☐ Conditional acceptance					
note:					

The name of the supplier: Shenzhen Yishengbang Technology Co., LTD

Supplier address : 101, Building C, Shenzhen Qianwan Hard Technology Industrial Park, Bao 'an District, Shenzhen

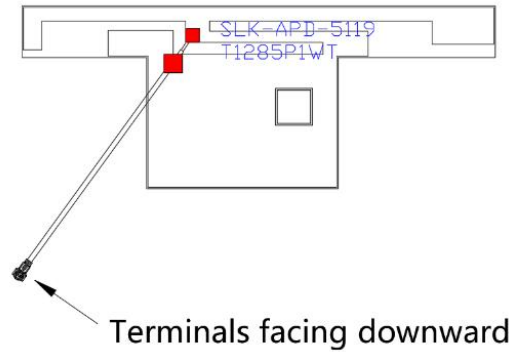
telephone: 18025305599 telephone: 18666299104

W/G/B Antenna (5119)

1. Explanation of Product number :

S L K - A P D - 5 1 1 9 - L - 6 0 I V - B - 0 . 8 1

1 2 3 4 5



Product Code:

(1) Customer:

APD:IPRODA

(2) Project:

5119: SLK-APD-5119 (W/G/B antenna)

(3) Welding Position

L:Left

(4) Cable Length:

60IV: 60*0.81MM fourth generation terminals

(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 (802.11 a/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

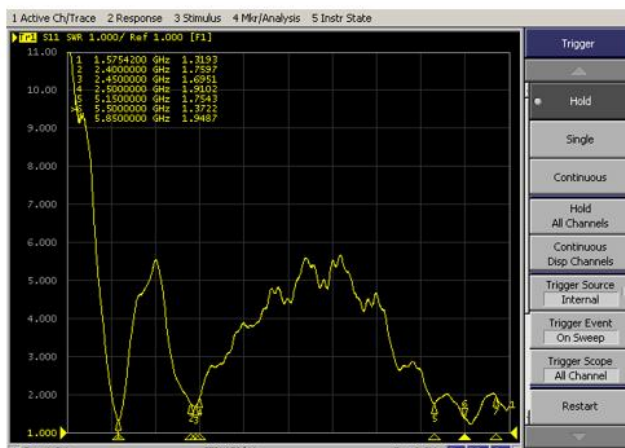
5-1

Characteristics	Specifications	Unit
Outline Dimensions	51.35x19.85x 0.12	mm
Center Frequency	1.575/2.4-2.5-5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

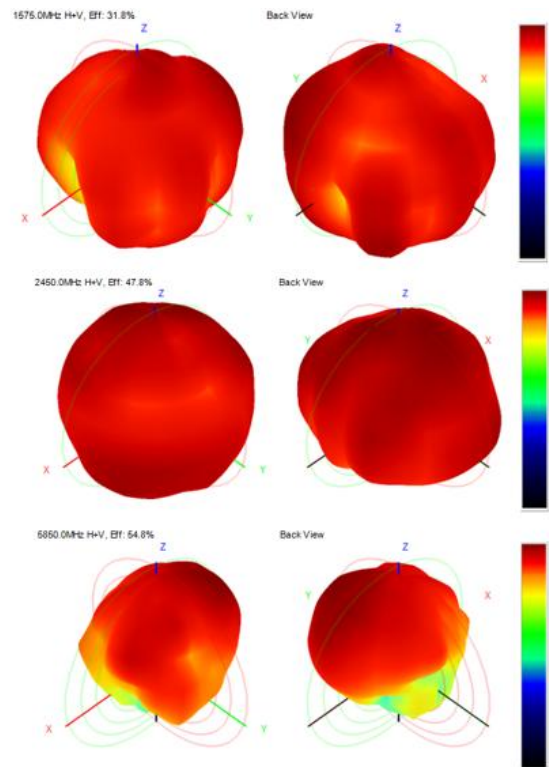
VSWR

S11



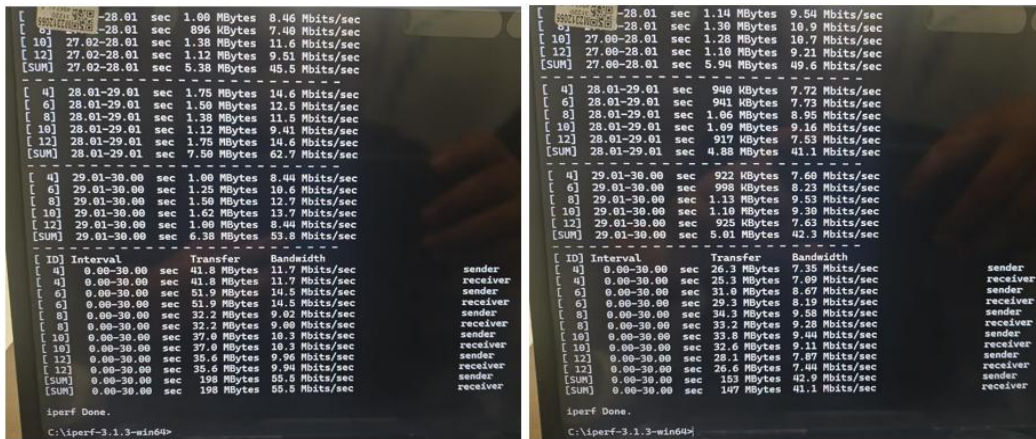
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1570.0	-4.88	1.81	32.52
1575.0	-4.97	1.83	31.84
1580.0	-5.21	1.85	30.14
2400.0	-3.30	0.64	46.79
2410.0	-3.29	0.54	46.84
2420.0	-3.17	0.49	48.22
2430.0	-3.12	0.47	48.74
2440.0	-3.21	0.56	47.81
2450.0	-3.20	0.85	47.83
2460.0	-3.11	1.23	48.90
2470.0	-3.30	1.50	46.73
2480.0	-3.29	1.78	46.89
2490.0	-3.42	1.78	45.46
2500.0	-3.50	1.94	44.64
5150.0	-4.01	2.50	39.69
5350.0	-3.32	2.29	46.52
5550.0	-2.87	2.91	51.59
5750.0	-2.66	2.93	54.15
5850.0	-2.62	2.43	54.75



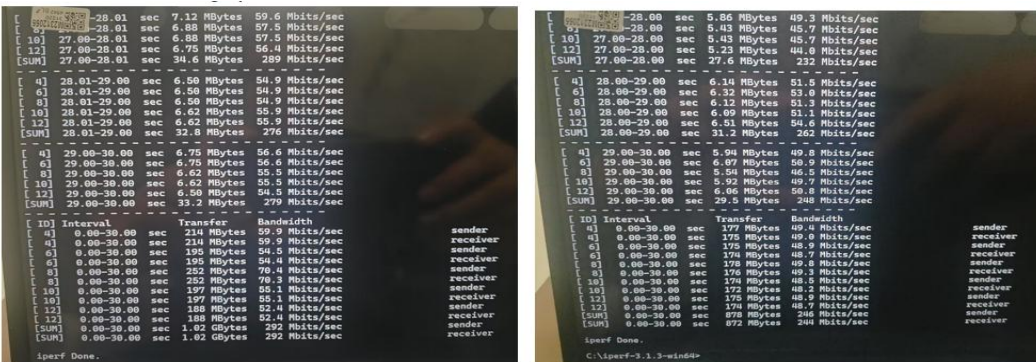
	WIFI active data		
Frequency band	1	6	11
B-TRP-11MBps	13.26	13.39	13.47
B-TIS-11MBps	-82.23	-82.79	-82.87
G-TRP-54MBps	12.22	12.16	11.97
G-TIS-54MBps	-71.32	-71.28	-71.63
N-TRP-MCS7	12.24	12.19	12.02
N-TIS-MCS7	-66.79	-66.53	-66.89
Frequency band	36	149	165
A-TRP-54MBps	9.97	10.19	10.31
A-TIS-54MBps	-71.47	-70.46	-71.05

5-4.WIFI throughput test



2.4G ten meters
download

2.4G ten meters
upload



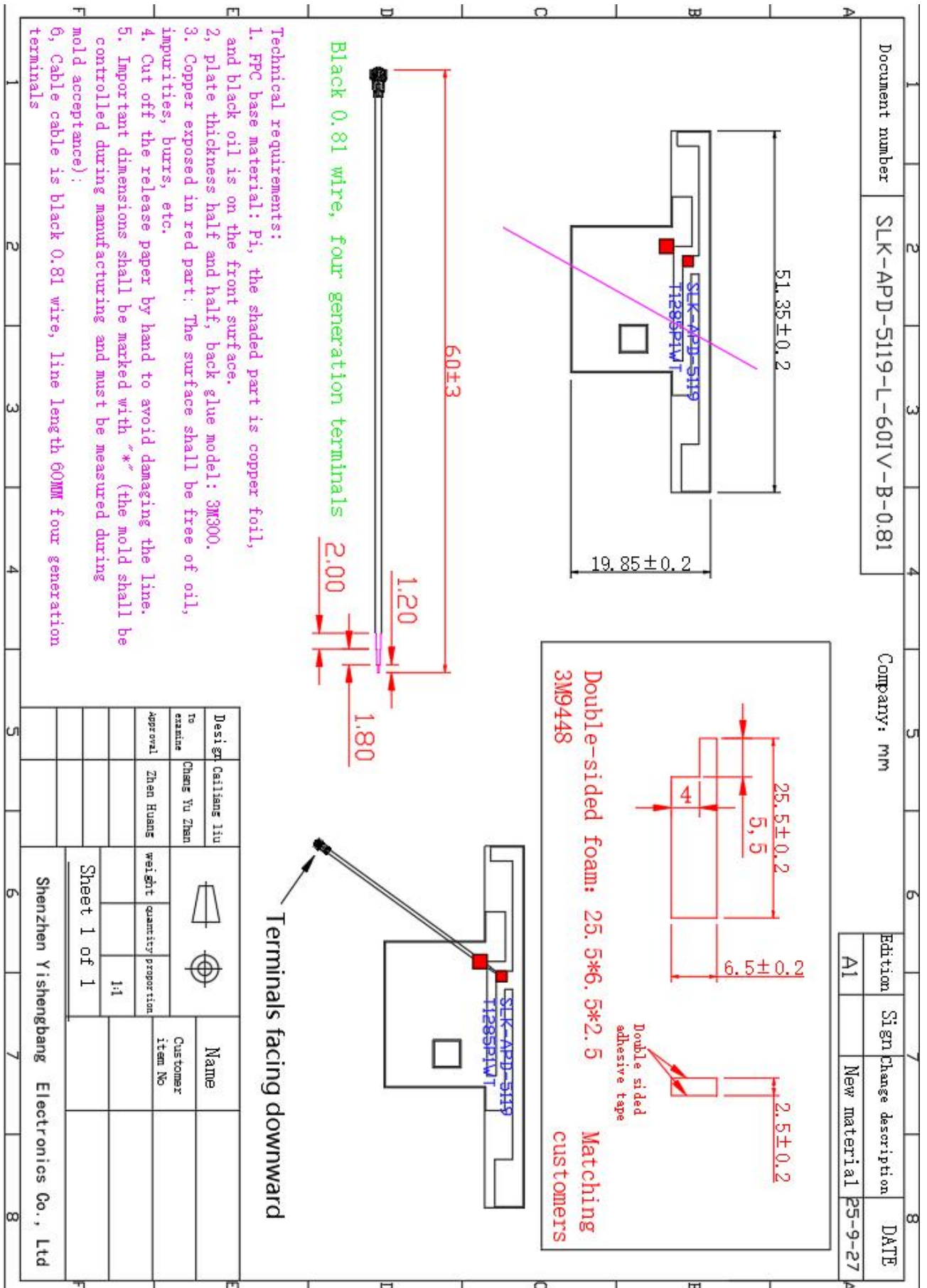
5G ten meters
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5G ten meters
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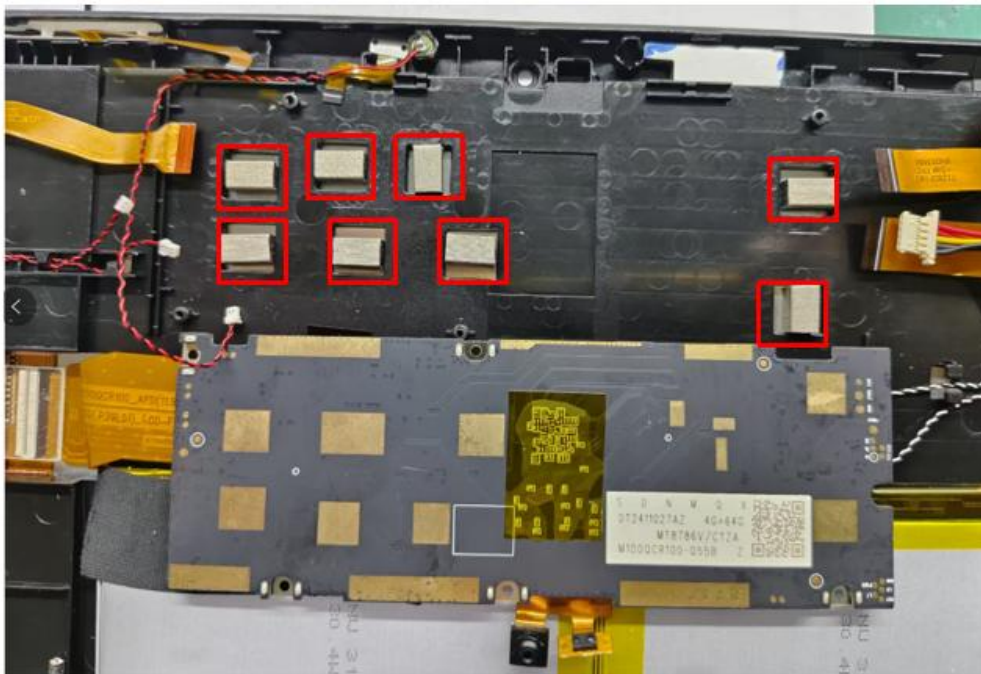
5-6.GPS practical Test



6. Antenna Dimensions (unit: mm)



7. Antenna Picture



As shown in the red box in the figure: Apply the conductive foam inside the red box to the exposed copper on the motherboard for grounding!