

Shenzhen Yishengbang Technology Co., LTD

Sample acceptance letter

SPECIFICATION FOR APPROVAL

The name of the company : Shenzhen NaSida Industry and Trade Co., LTD

The material code: _____

specifications: NI20092

Admitted to date: _____

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

Supplier standard type number: WIFI+GPS:SLK-NSD-4519-R-185IV-B

Admit signature

For acceptance by the contractor			Shenzhen NaSida Industry and Trade Co. , LTD		
Rf Engineer	audit	approval	Rf Engineer	audit	approval
Shi Lian	Zhen	Mei Gai			
Chen	Huang	Lin			
Signed and sealed			Signed and sealed		
date	2022-11-24		date		
instructions: <input type="checkbox"/> accept <input type="checkbox"/> Conditional acceptance					
note:					

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

Supplier address : 608, Building B, Shenzhen Qianwan Hard Technology Industrial Park, Bao 'an District, Shenzhen

telephone: 18025305599

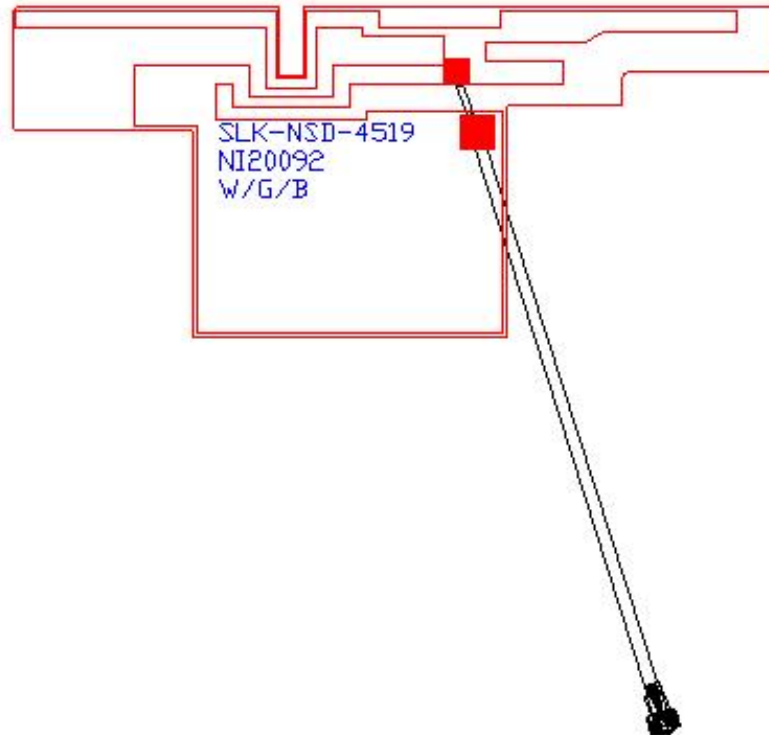
telephone: 18666299104

WIFI Antenna (4519)

1. Explanation of Product number :

S L K - N S D - 4 5 1 9 - R - 1 8 5 I V - B

1 2 3 4 5



Product Code:

(1) Customer:

NSD:NaSida

(2) Project:

4519: SLK-4519 (WIFI antenna)

(3) Welding Position

R: Right

(4) Cable Length:

185IV: 185*1.13MM, fourth generation terminal

(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 (802.11a/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.

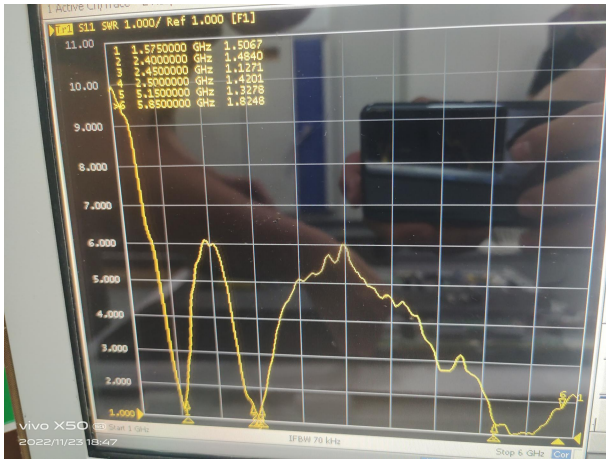
5. Electrical Specifications

5-1

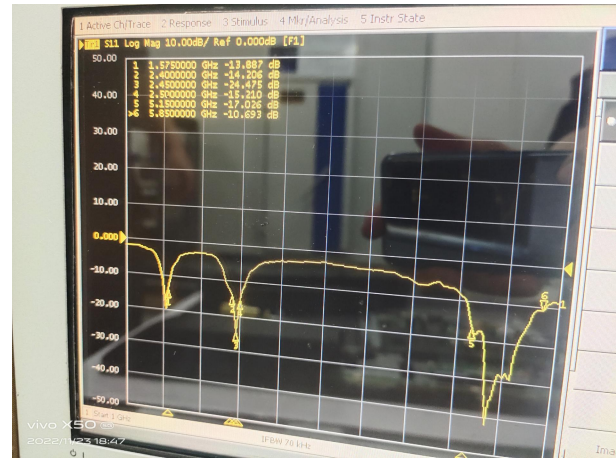
Main technical specifications	
Frequency Range (MHZ)	2400-2500+5150-5850
Impedance(Ω)	50
Gain(dBi)	2.5 \pm 0.5
VSWR	\leq 2
Polarization	Linear,Vertical
Radiation	Omni-directional
Connector Type	fourth generation terminal
Physical Properties	
Antenna cover	FPC
Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C

5-2.

VSWR



S11



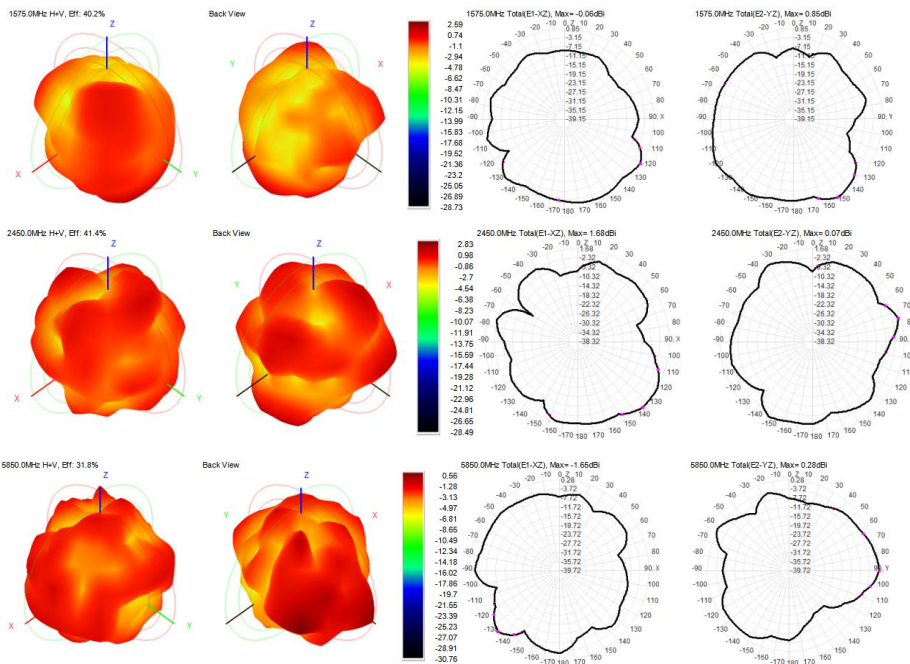
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1570.0	-3.90	2.52	40.78
1575.0	-3.96	2.59	40.19
1580.0	-4.03	2.67	39.53
2400.0	-4.00	3.95	39.78
2410.0	-3.96	3.92	40.15
2420.0	-3.92	3.69	40.57
2430.0	-3.87	3.39	40.98
2440.0	-3.83	3.05	41.40
2450.0	-3.83	2.83	41.36
2460.0	-3.85	2.70	41.23
2470.0	-3.80	2.81	41.65
2480.0	-3.77	3.00	41.96
2490.0	-3.65	3.10	43.15
2500.0	-3.51	3.07	44.61
5150.0	-5.21	0.72	30.10
5250.0	-5.06	0.50	31.17
5350.0	-4.64	0.95	34.32
5550.0	-4.33	0.56	36.87
5750.0	-5.08	-0.30	31.04
5850.0	-4.98	0.56	31.79

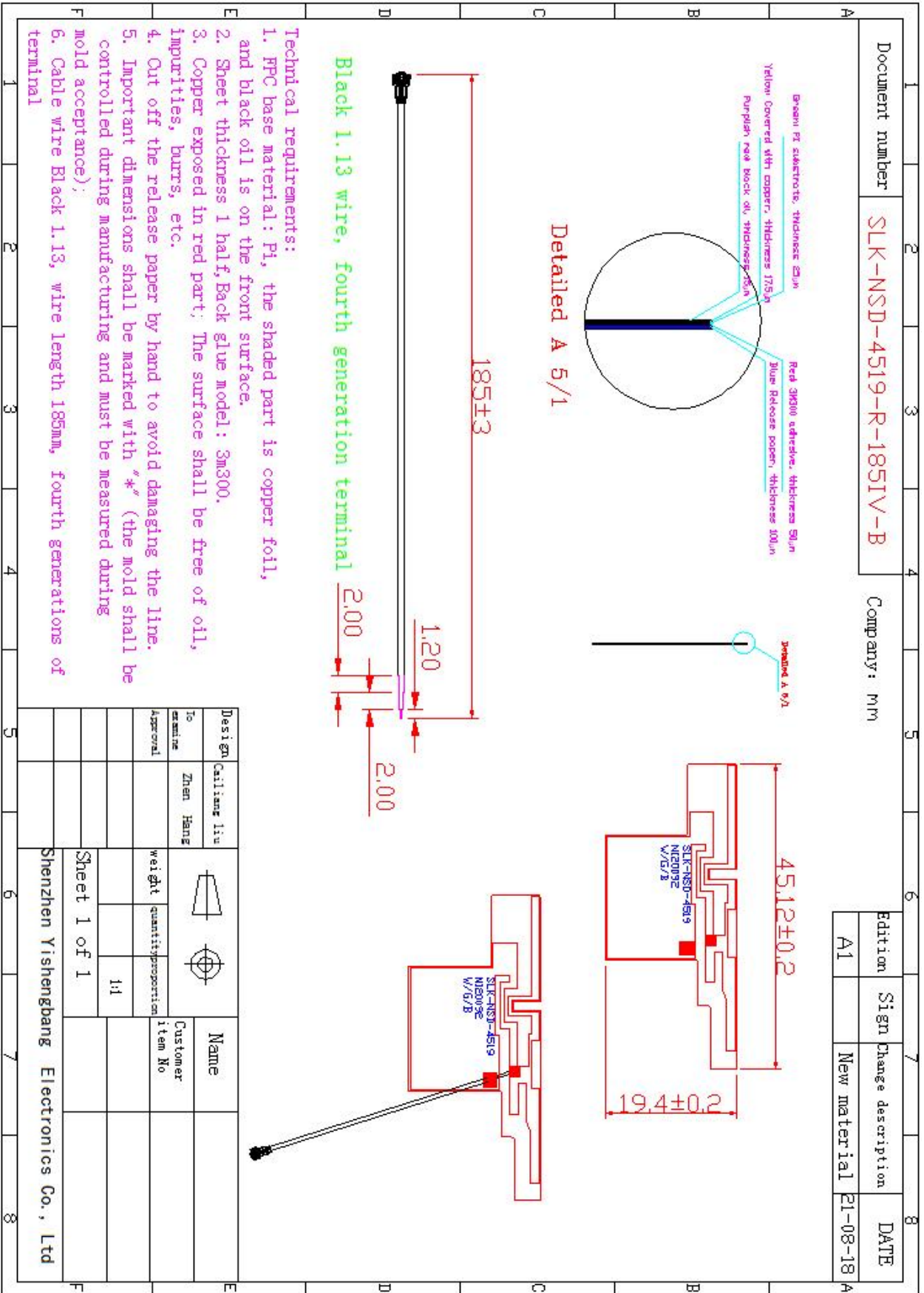
WIFI Active testing

Active testing

spectrum	1	6	11
B-TRP-11Mbps	13.78	14.34	15.09
B-TIS-11Mbps	-80.23	-80.68	-80.45
G-TRP-54Mbps	11.34	12.25	11.23
G-TIS-54Mbps	-67.12	-67.23	-67.48
N-TRP-MCS7	11.15	12.31	11.53
N-TIS-MCS7	-64.18	-64.35	-64.27
spectrum	36	149	165
A-TRP-54Mbps	8.73	8.26	8.66
A-TIS-54Mbps	-67.33	-67.62	-68.21



6. Antenna Dimensions (unit: mm)



7. Antenna Picture



As shown here:

1.Pull a conductive cloth in the group shielding cover and ground the screen, and then put a conductive sponge in contact with the back cover.

2.Screen line pull a conductive cloth wrapped shielding processing

3.The environment at the bottom of the motherboard remains unchanged and is treated according to the customer's original environment.