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Antenna Sheet

Customer: Yihengke

Project: Projector-P6

WIFI : SLK-YHK-2917C2-R-270I-B

BT : SLK-YHK-2917C1-L-270I-G

Product: WIFI Antenna—FPC

Report date: 2024.12.24

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Checked by : Eason Huang

Approved by :



Purpose

This report is to measure the performance of SLK for Master Antenna on Yihengke. All measure data are showed below.

Content

1. Test Result

1.1 WIFI Antenna Gain/Efficiency/3D DATA

1.2 Antenna specification drawing

2. Conclusions

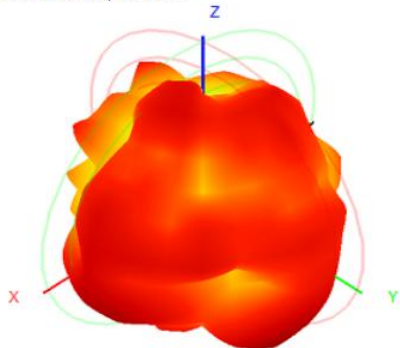
1. Test Result

1.1 WIFI Antenna Gain/Efficiency/3D DATA

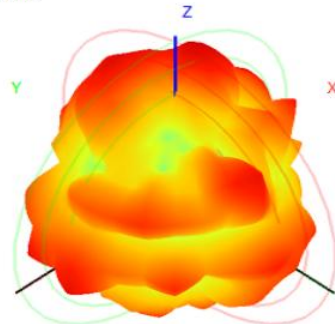
WIFI

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5350.0	5500.0	5650.0	5850.0
Efficiency (dBi)	-3.79	-3.70	-3.63	-3.38	-3.30	-3.41	-3.62	-3.54	-3.46	-3.42	-3.36	-3.55	-3.44	-3.56	-3.33	-3.35
Gain (dBi)	1.62	1.85	1.67	2.05	2.25	2.34	2.60	2.87	2.98	2.78	2.60	2.77	2.29	2.61	2.39	2.33
Efficiency (%)	41.69	42.66	43.33	45.89	46.71	45.56	43.44	44.19	44.98	45.42	46.11	44.14	45.26	44.02	46.36	46.22

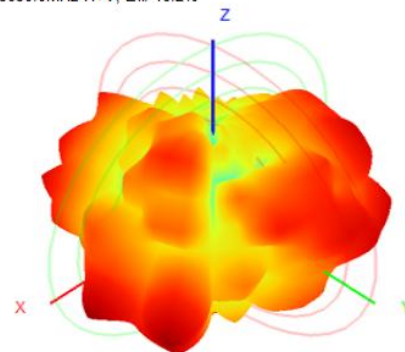
2450.0MHz H+V, Eff. 45.6%



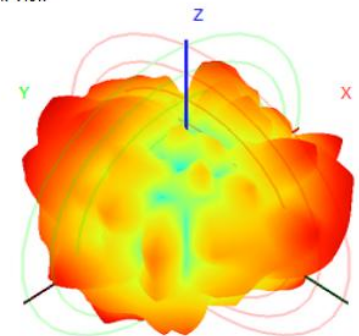
Back View



5850.0MHz H+V, Eff. 46.2%



Back View



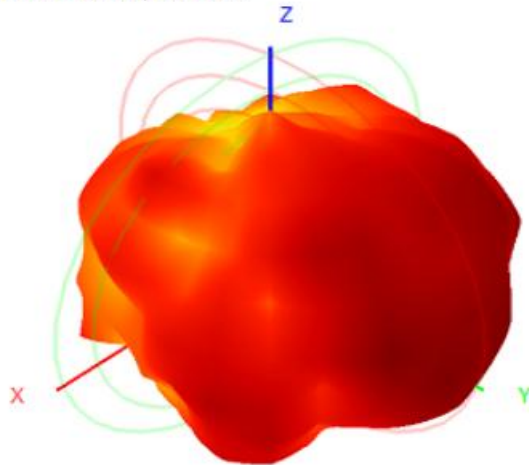
1. Test Result

1.1 WIFI Antenna Gain/Efficiency/3D DATA

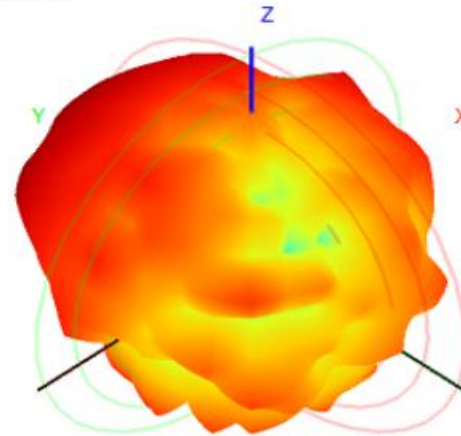
BT

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-3.94	-3.69	-3.68	-3.64	-3.53	-3.63	-3.62	-3.65	-3.70	-3.71	-3.59
Gain (dBi)	2.77	2.85	2.76	2.65	2.61	2.47	2.67	2.58	2.40	2.94	2.54
Efficiency (%)	40.31	42.67	42.84	43.25	44.35	43.26	43.39	43.08	42.58	42.47	43.74

2450.0MHz H+V, Eff: 43.3%

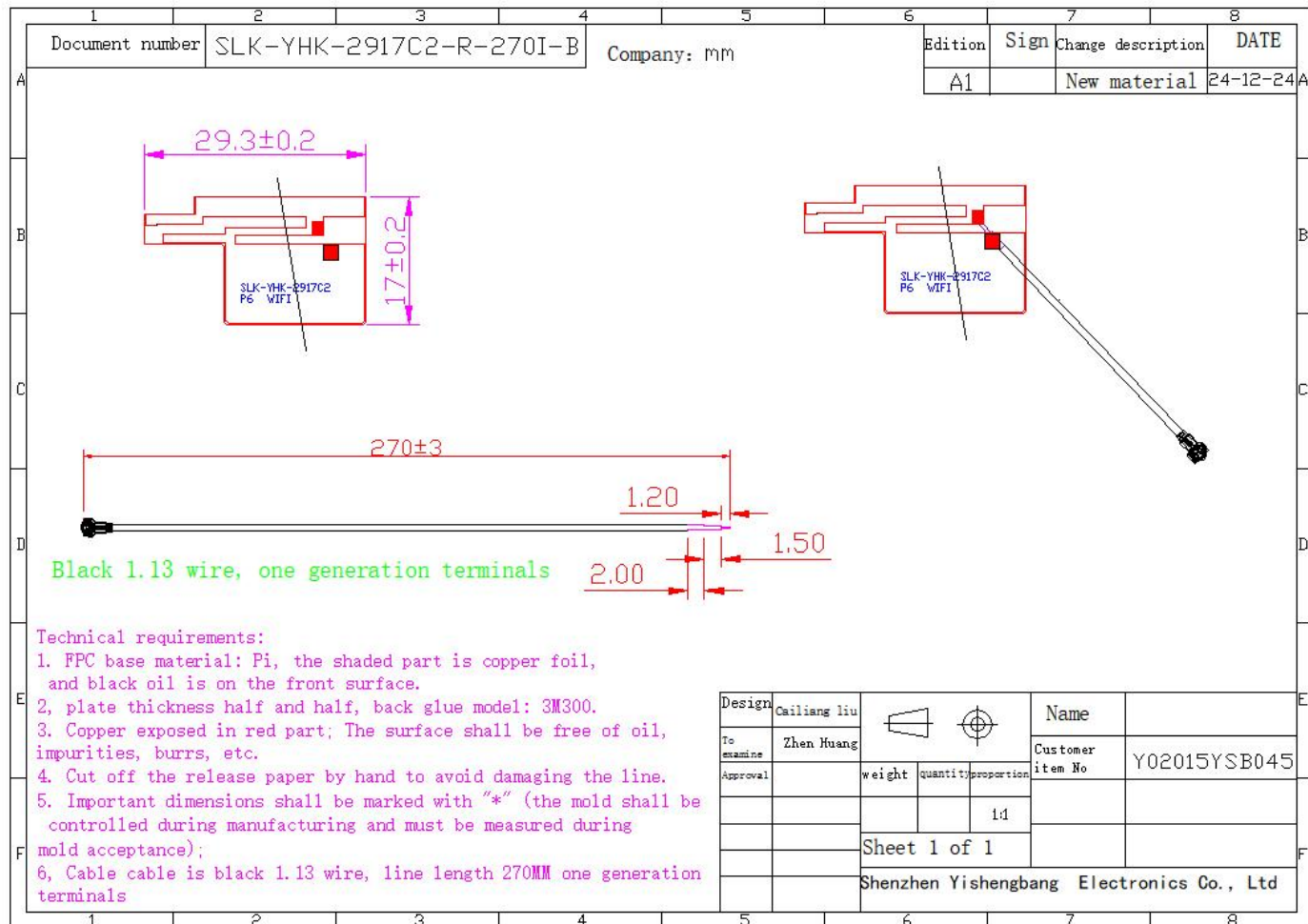


Back View



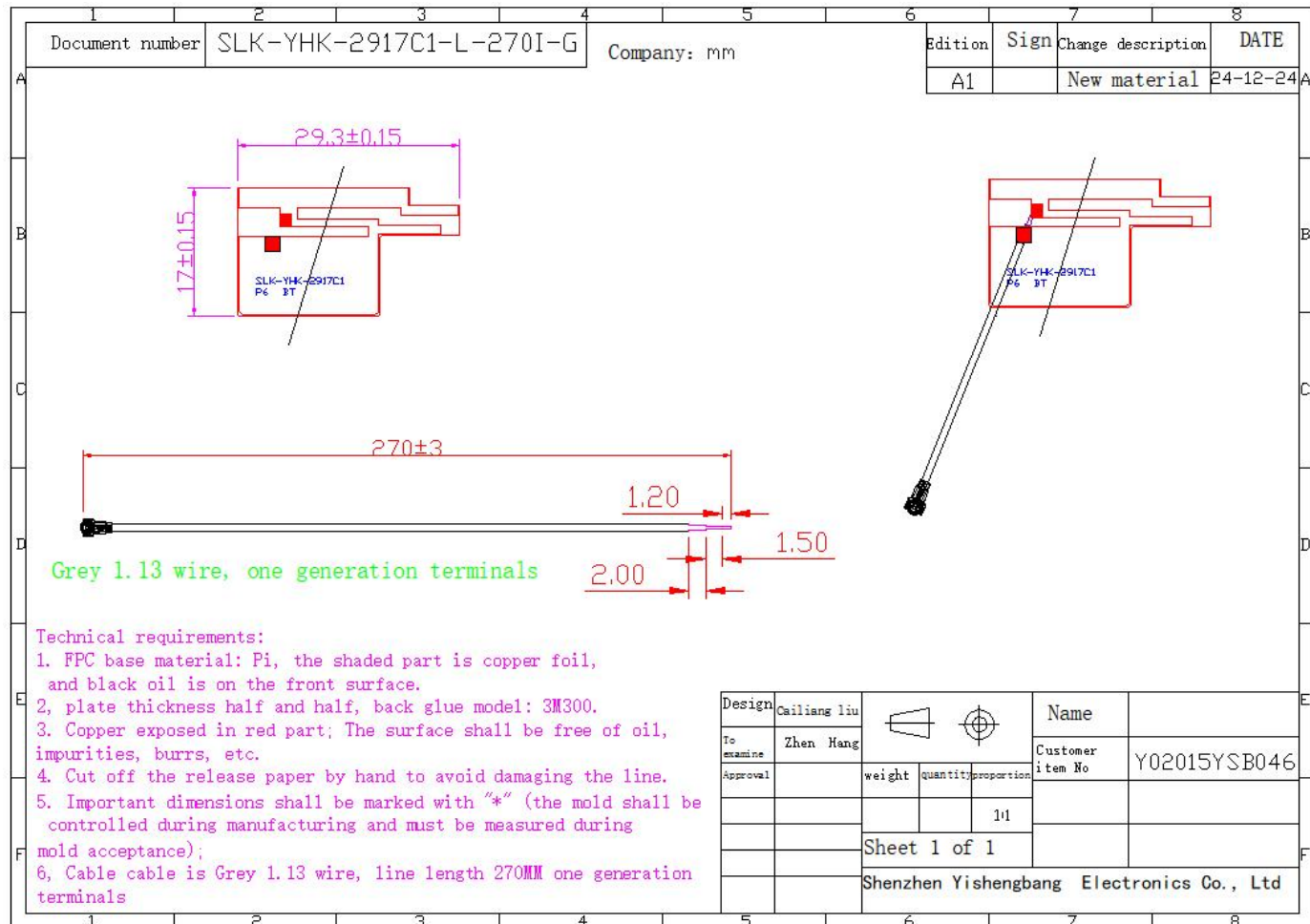
1. Test Result

1.2 Antenna specification drawing WIFI



1. Test Result

1.2 Antenna specification drawing BT





2. Conclusions

Thank you