

TPV Component Specification

Basic Information					
TPV Part No.		Supplier Part Name		Part Description	
368GAAWA215YSB		SLK-GJ-3513-R-130I-G		WIFI antenna L=130mm φ1.13 Grey	
Supplier Name		TPV Vendor Code		Manufacturing Location	
Shenzhen Yi Sheng Bang technology Co., LTD		0003792201		Dongguan	
Safety Parts		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Net Weight	0.8g±5%
Environmental Guarantee					
<p>1. All raw materials of supplied parts shall met TPV latest version standard (RDEMS-01) and the requirement of regional or country laws and ordinances.</p> <p>2. All raw materials of supplied parts shall comply below requirements (mark “√” in the “□” when needed).</p> <p><input checked="" type="checkbox"/> HF: Low Halogen (Cl <900ppm, Br <900ppm, Cl+Br <1500ppm)</p>					
Important Notice					
<p>1. Any specification change for component, especially following items: Raw Material, Process, Tooling, Factory, Label, halftone, and any engineering changed of production, should be approved by TPV.</p> <p>2. Any engineering change for component should be in version record, supplier should provide management information for old version parts to TPV if required.</p> <p>3. Safety parts should be ensured that all safety certificate is complete and in the period of validity. Any change of safety certificate should be noticed to TPV timely and phased-in after approved by TPV.</p>					
Supplier Information					
Prepared		Check		Approved	
Tel.		Fax		Email	
Address		101, Building C, Shenzhen Qianwan Hard Science and Technology Industrial Park, Nanchang Community, Xixiang Street, Baoan District, Shenzhen			

Shenzhen Yi Sheng Bang technology Co., LTD

SPECIFICATION FOR APPROVAL

Material Code : 368GAAWA215YSB

Specification : WIFI ANT L=130mm ϕ 1.13 Grey

Date : _____

Manufacturer: Shenzhen Yi Sheng Bang technology Co., LTD

Model : WIFI: SLK-GJ-3513-R-130I-G

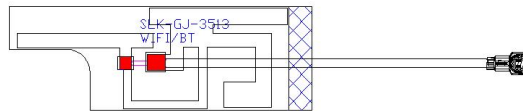
Manufacturer: Shenzhen Yi Sheng Bang technology Co., LTD
Address: 101, Building C, Shenzhen Qianwan Hard Science and
Technology Industrial Park, Nanchang Community, Xixiang
Street, Baoan District, Shenzhen

WIFI Antenna (3513)

1. Explanation of Product number :

S L K - G J - 3 5 1 3 - R - 1 3 0 I - G

1 2 3 4 5



Product Code:

(1) Customer:

GJ

(2) Project:

3513: SLK-3513 (WIFI antenna)

(3) Welding Position

R:Right

(4) Cable Length:

130I: 130*1.13MM

(5)Cable Color

G: Gray

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

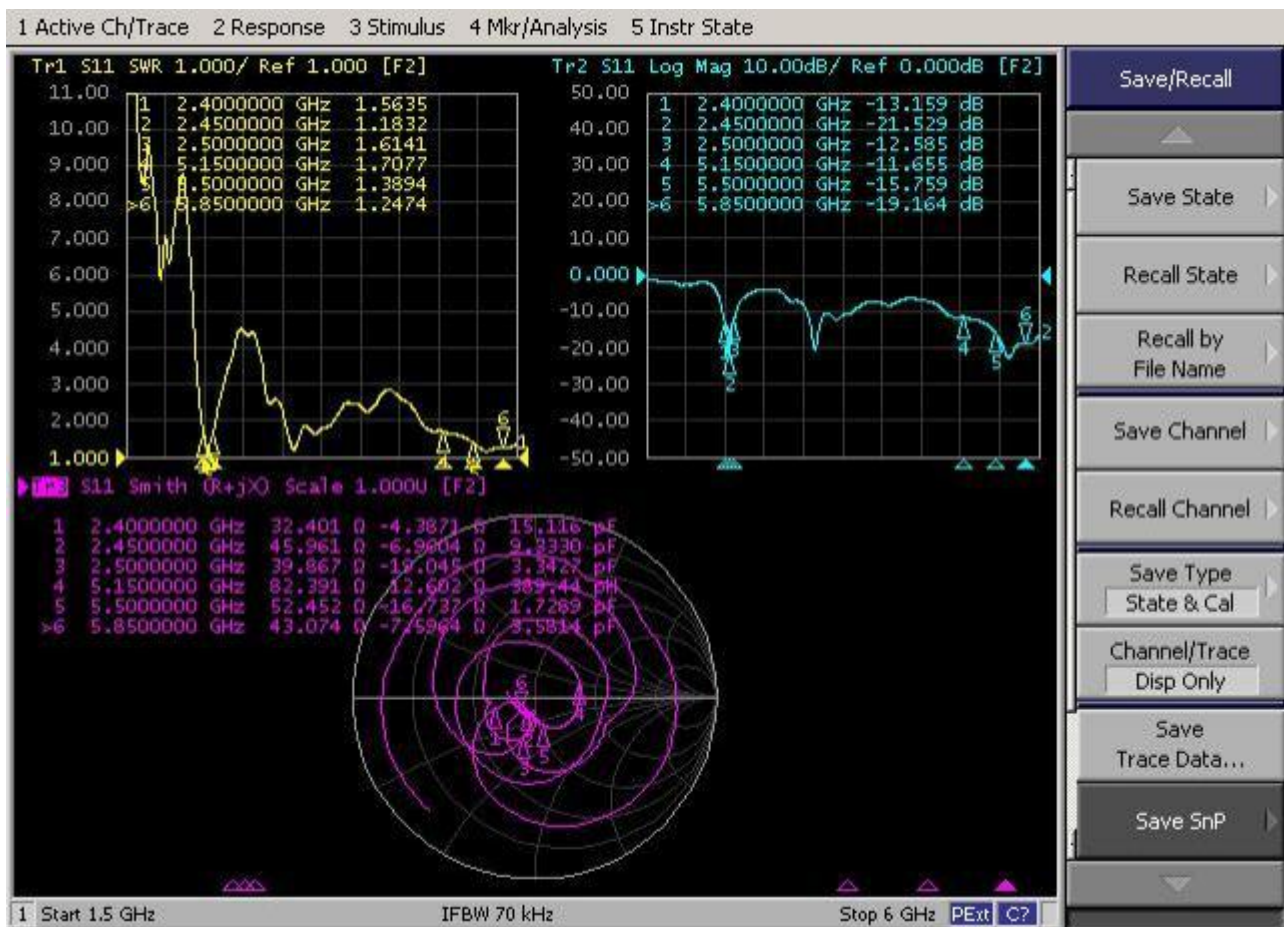
Holy bond's External antenna series are specially designed for WIFI (802.11 a/b/g/n) applications. Based on Holy bond's proprietary design and processes, this External antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

5.1

Characteristics	Specifications	Unit
Outline Dimensions	35.51*13.09*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

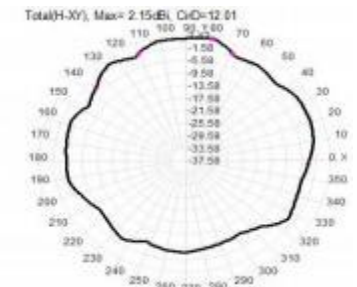
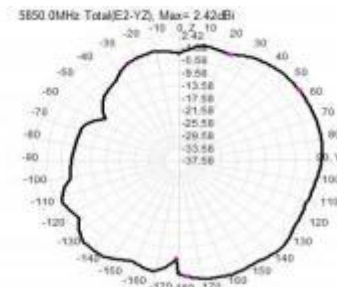
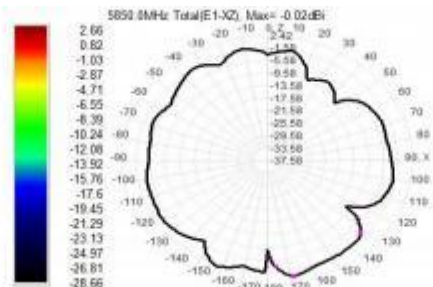
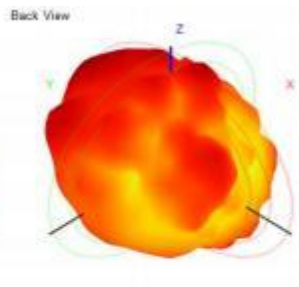
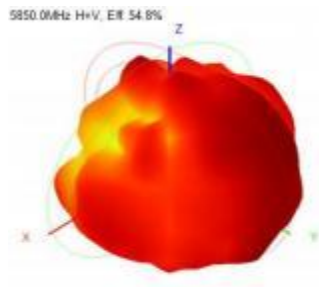
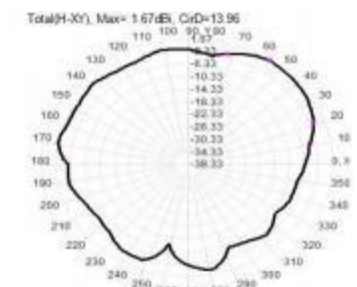
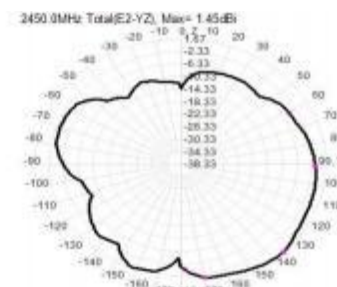
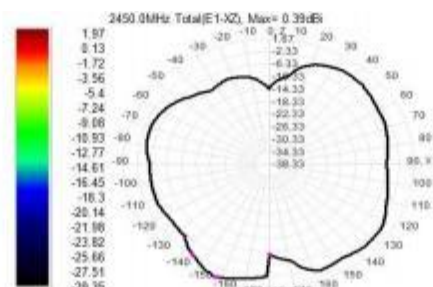
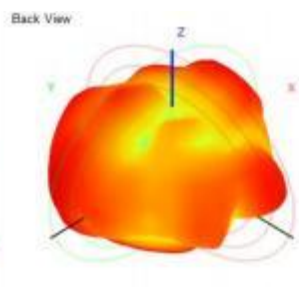
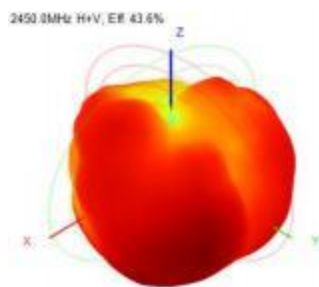
5.2. VSWR



5.3 WIFI Antenna Gain/Efficiency/3D DATA (Metal Brackets Together Mode)

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	5250.0	5350.0	5500.0	5650.0	5750.0	5850.0
Average Gain(dBi)	-3.93	-3.92	-3.87	-3.70	-3.67	-3.61	-3.67	-3.61	-3.51	-3.56	-3.57	-3.15	-3.03	-2.78	-2.89	-2.75	-2.82	-2.61
Gain (dBi)	1.46	1.48	1.38	1.53	1.66	1.97	2.01	1.86	1.76	1.48	1.68	2.70	2.71	2.74	2.65	2.63	2.41	2.66
Efficiency (%)	40.47	40.51	40.99	42.63	43.00	43.60	42.93	43.57	44.59	44.08	43.97	48.42	49.76	52.72	51.35	53.05	52.20	54.77

5.3 WIFI Antenna Gain/Efficiency/3D DATA (Metal Brackets Together Mode)



5.4 WIFI Antenna Gain/Efficiency/3D DATA (Metal bracket opening mode)

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	5250.0	5350.0	5500.0	5650.0	5750.0	5850.0
Average Gain(dBi)	-3.96	-3.93	-3.82	-3.63	-3.62	-3.60	-3.74	-3.85	-3.89	-3.82	-3.82	-3.34	-3.16	-2.83	-2.95	-2.82	-2.85	-2.64
Gain (dBi)	1.91	1.93	2.03	2.20	1.95	2.15	2.14	2.17	2.11	2.31	2.12	2.36	2.69	2.81	2.82	2.76	2.58	2.91
Efficiency (%)	40.18	40.47	41.54	43.32	43.50	43.67	42.28	41.23	40.83	41.51	41.50	46.38	48.32	52.09	50.68	52.23	51.87	54.42

5.4 WIFI Antenna Gain/Efficiency/3D DATA (Metal bracket opening mode)

