

SPECIFICATION FOR APPROVAL

Supplier: Jiade Wireless

Customer: Bachao Technology

Material JD-B3DB-SP-SMA
No.: (inner bore)


Material No.:

Material Dual-band external
Name: Antenna

Name:

Specifications and models: Black 3DB WIFI Antenna
2.4-2.5 GHz & 5.15 G-5.85G

Specifications and models:

ENGINEER	APPROVER	STAMP
Qiang. Wang	Lei. Zhang	

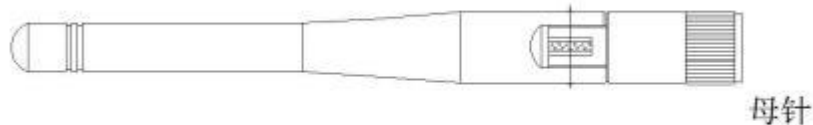
Customer Approval

APPROVER	CHECKER	STAMP

WIFI Antenna

1. Explanation of Product number:

S L K-Y H-B2 D B-S M A12 3



Product Code:

(1) Customer:

YH:

(2) Antenna Name:

B2DB: Black 2DB Dual Band (WIFI Antenna 2.4-2.5 +5.15-5.85 GHz)

(3) Connector:

SMA: SMA Female needle

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

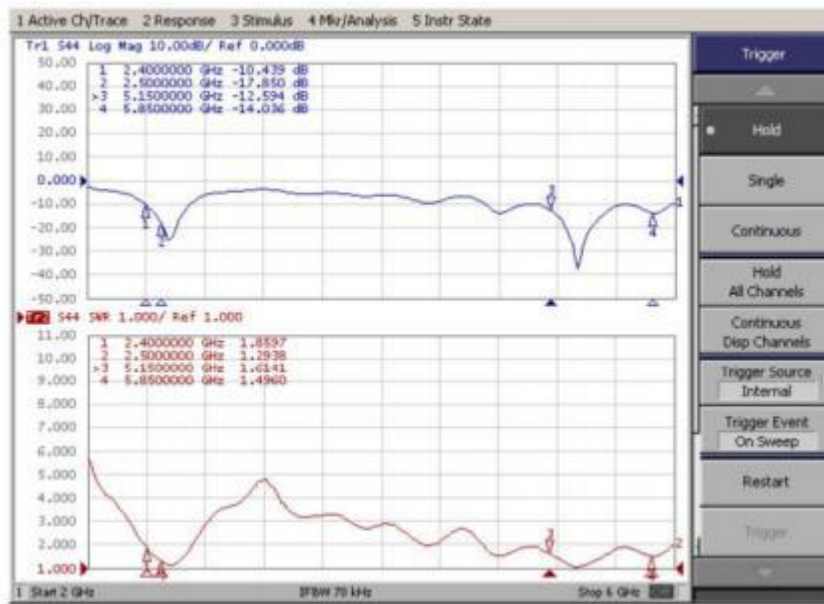
Holybonds External antenna series are specially designed for WIFI (802.11 a/b/g/n) applications. Based on Holybonds proprietary design and processes, this External antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

5-1

Main technical indicators		Main technical specifications	
Frequency Range (GHz)	2.4-2.5&5.15-5.85	Frequency Range (GHz)	2.4-2.5&5.15-5.85
Characteristic impedance (Ω)	50	Impedance (Ω)	50
Gain (dBi)	2±0.5	Gain (dBi)	2±0.5
Standing wave ratio of output voltage	≤2.0	VSWR	≤2.0
Polarization mode	Vertical polarization	Polarization	Linear, Vertical
Directionality	Omnidirectionality	Radiation	Omni-directional
Connection mode	SMA female needle	Connector Type	SMA Female needle
Physical properties		Physical Properties	
Antenna jacket material	TPEE	Antenna cover	TPEE
Operating Temperature	-20°C~+70°C	Operating Temp	-20°C~+70°C
Storage Temperature	-20°C~+70°C	Storage Temp	-20°C~+70°C

5-2 VSWR



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

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2390	80.82	-0.93	3.01
2400	77.81	-1.09	3.02
2410	76.39	-1.17	2.63
2420	76.95	-1.14	2.74
2430	73.95	-1.31	2.53
2440	76.29	-1.18	2.69
2450	79.16	-1.02	2.76
2460	75.5	-1.22	2.39
2470	74.98	-1.25	2.33
2480	76.04	-1.19	2.61
2490	76.99	-1.14	2.76
2500	72.37	-1.4	2.31
5150	49.47	-3.06	1.57
5250	52.03	-2.84	1.5
5750	53.67	-2.7	2.64
5850	55.02	-2.59	3.03

