

JIADE WIRELESS TECHNOLOGY (SHENZHEN) CO.,LTD

Antenna Specification

Supplier name: JIADE WIRELESS

Material name: WIFI Antenna

Specification and model: JD-B3DB-SMA

Acknowledgment Version: A0 2023-12-06

PROITAV Material code:

Drawing version No: A0

Customer Signature			Supplier Signature	
Quality Department	R&D	Safety regulations	Approval	Formulate
			Lei. Zhang	Qun. Jing

JIADE WIRELESS TECHNOLOGY (SHENZHEN) CO.,LTD

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WIFI

1. Explanation of Product number :

J D - B 3 D B - S M A



Product Code:

(1) Antenna Name:

B3DB: black-3DB (WIFI Antenna 2.4-2.5GHz & 5.15G-5.85G)

(2) Connector:

SMA: SMA MALE

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3. Applications

- * IEEE802.11 (b/g/n/a)
- * Hand-held devices when WIFI (802.11 b/g/n/a) functions are needed

4. Description

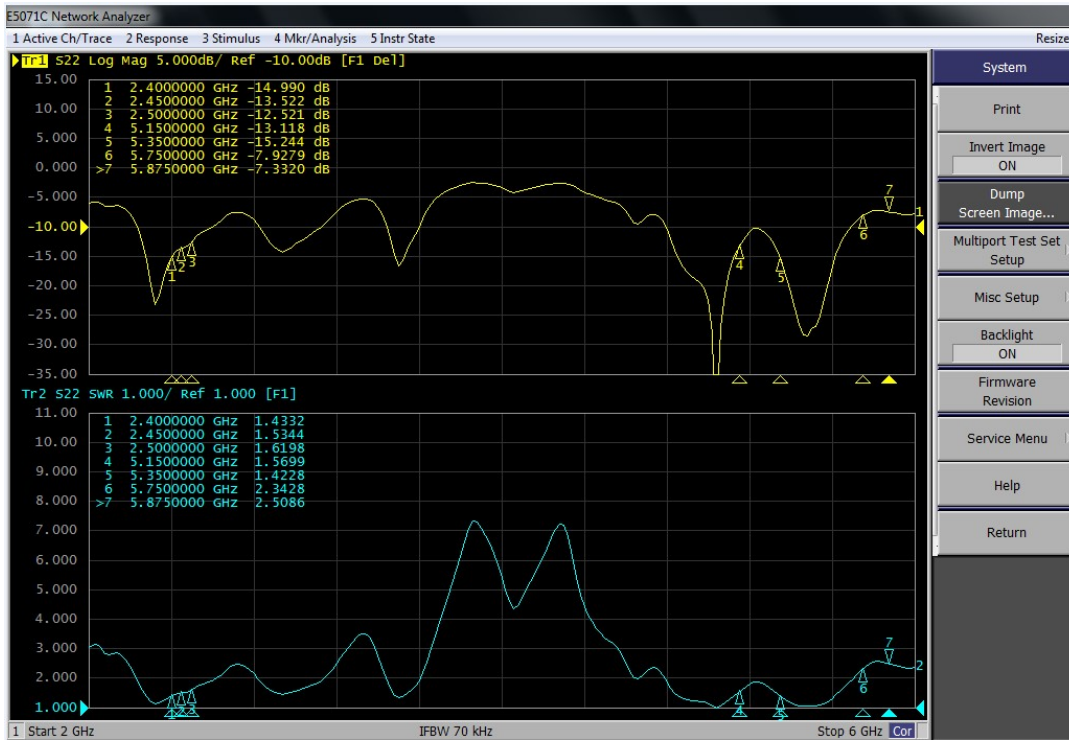
Holy bond's External antenna series are specially designed for WIFI (802.11b/g/n/a) applications. Based on Holy bond's proprietary design and processes, this External antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

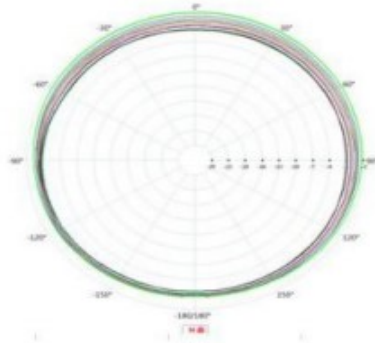
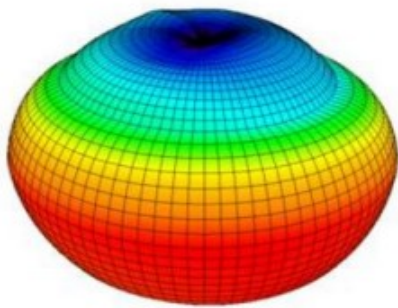
5-1 Technical specifications

Main technical specifications	
Frequency Range (MHZ)	2400-2500 5150-5850
Impedance(Ω)	50
Max Gain(dBi)	3
VSWR	≤ 2.0
Admitted Power	10W
Polarization	Linear, Vertical
Radiation	Omni-directional
Connector Type	SMA male needle
Physical Properties	
Antenna cover	TPEE
Operating Temp	-20°C~+70°C
Storage Temp	-20°C~+70°C

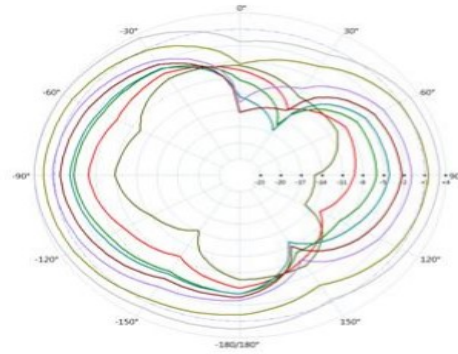
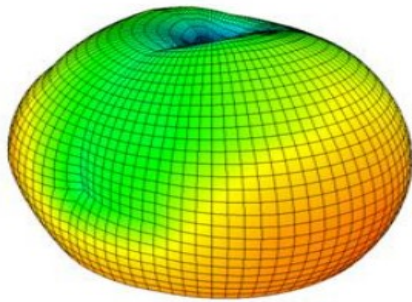
5-2.VSWR/S11



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



频率 (MHz)	2400	2450	2500
Peak Gain (dBi)	2.41	2.41	2.82
Efficiency (%)	72.98	71.78	74.12



频率 (MHz)	5150	5550	5850
Peak Gain (dBi)	2.94	2.84	2.93
Efficiency (%)	69.54	64.27	63.21

6. Antenna Dimensions (unit: mm)

