

Antenna Specification

Manufacturer: Shenzhen Dingcheng Litian Technology Co., LTD

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1 Summary

- This approval sheet supports for MID project. P C B antennas include in this project. This report is for the performance of wlan/BT antenna.
- Antenna shape size: Meet the requirement of MID
- Antenna band: 2400MHz~5400MHz,
- Antenna material: Antenna material meet the requirement of MID
- Adhesive performance: Adhesive performance meet the requirement of MID
- Antenna performance meet the spec below:

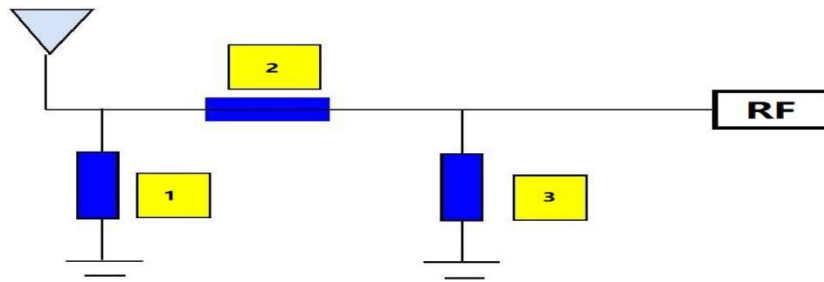
Description	2.4 GHz	Units
VSWR	≤ 2.0	
Average Antenna Gain	≥ -4.5	dB
Antenna Efficiency	≥ 40	%
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

- **Mechanical Information**

Mechanical Dimension	
Cable Length	275 m m / GREY
Description	W LAN/BT antenna
Material	FPC
Coaxial Cable	500 h m / O.D. 1.13 m m
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

2 Circuit diagram、Machine picture、Antenna picture

2.1 Circuit diagram

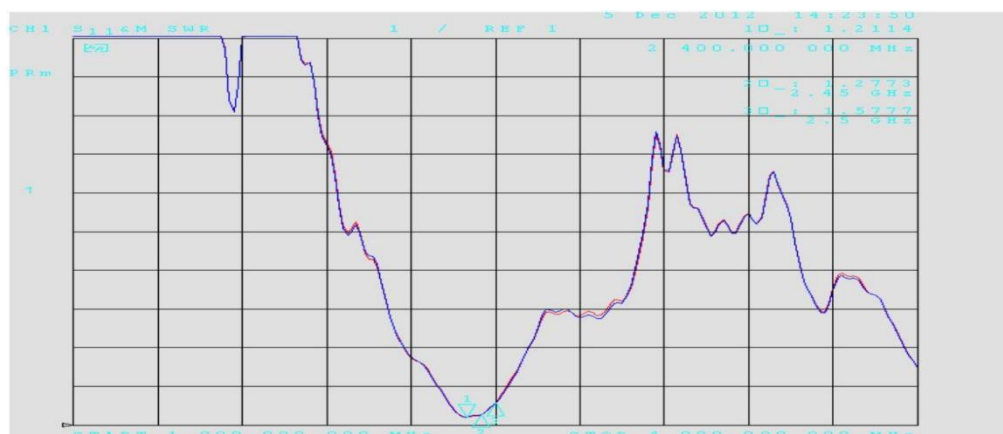


2.2 Machine picture、Antenna picture



3 VSWR、Efficiency

3.1 VSWR



Frequency (MHz)	VSWR
2400	1.31
2450	1.47
2500	1.56

3.2 Efficiency

Frequency	Efficiency (%)	Average GAIN(dB)	Peak GAIN (dBi)
2400	40.43	-3.93	1.33
2450	41.43	-3.83	2.2
2500	39.21	-4.07	1.42
5400	38.67	-2.79	1.75

4 3D Model

