

Antennas model:132-A5ESP32-00

PCB Antenna Spec

客 户 Customer	客户承认 Approve (请盖印章)	日 期 Date

拟制 Design	审核 Check	批准 Approve	版本 Version	日期 Date
			V1.0	2024.06.12

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1. Application:

WLAN, 802.11b/g/n

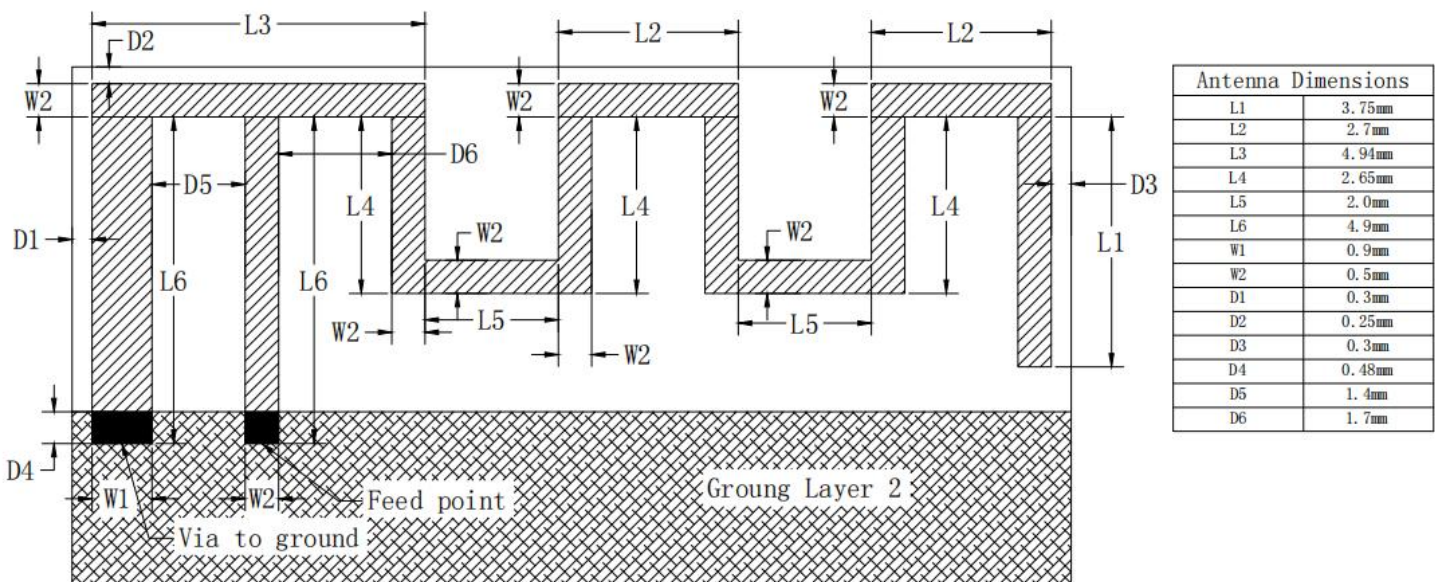
2. Features

PCB antenna

3. Electrical Specification

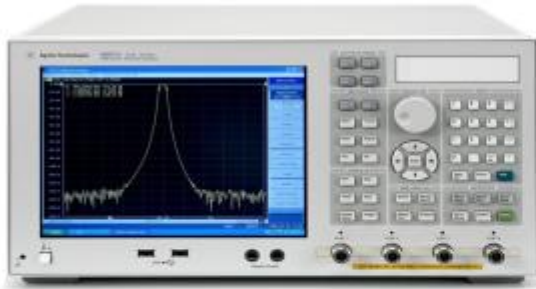
Frequency	2400-2500 ISM band
Peak Gain	2.4G: $\leq 1.0\text{dBi}$
Impedance	50 Ohm
Azimuth Beam width	Omni-directional
Operation Temperature °C	-20 ~70°C

4. Dimension



5. ANTENNA TEST REPORT

Test equipment



Agilent E5071C

- Frequency: 300 kHz至8.5GHz



R&S CMW500

- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT

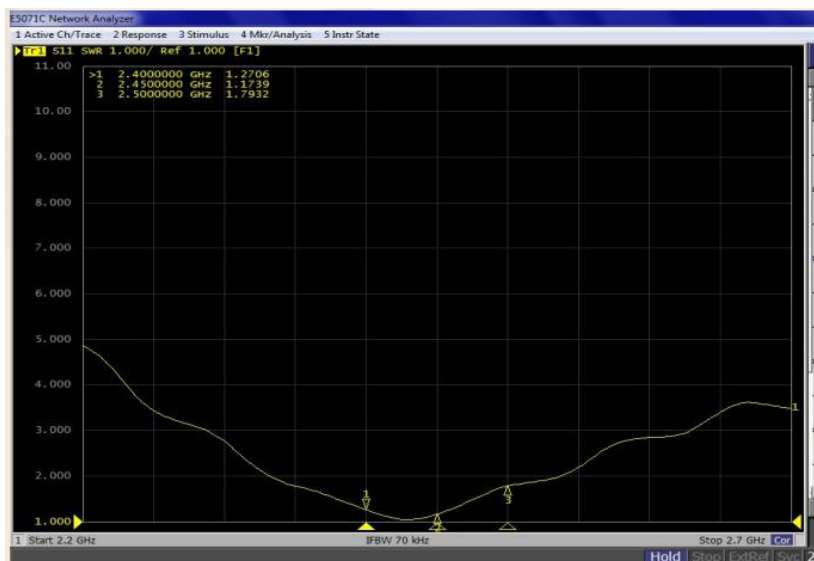
Test system



6. Physical image



7. Passive antenna data



8. Antenna Gain and Efficiency

Antenna Gain and Efficiency		
Freq(MHz)	Efficiency(%)	Gain(dBi)
2400	26.67	-0.82
2410	27.28	-0.8
2420	28.12	-0.79
2430	28.91	-0.77
2440	29.02	-0.86
2450	29.22	-0.8
2460	29.25	-0.74
2470	28.91	-0.78
2480	28.29	-0.89
2490	27.81	-0.96
2500	27.6	-0.99

9. Antenna Radiation Pattern

