

2.4G-2.48G Band Onboard PIFA antenna test report

Antenna manufacturer: Guohua Development Holding Co., Ltd

ADD : FLAT/RM F 6/F MEGA CUBE NO.8 WANG KWONG ROAD KL

SPECIFICATIONS	
Frequency(MHz)	2400-2480
Peak Gain(dBi)	2.499
Average Gain(dBi)	>-4
VSWR	<3.2
Impedance(Ω)	50 Ω
Antenna Type	Plannar Inverted F Antenna on board
Model	J30 Antenna
Polarization	Linear

Signature

QA

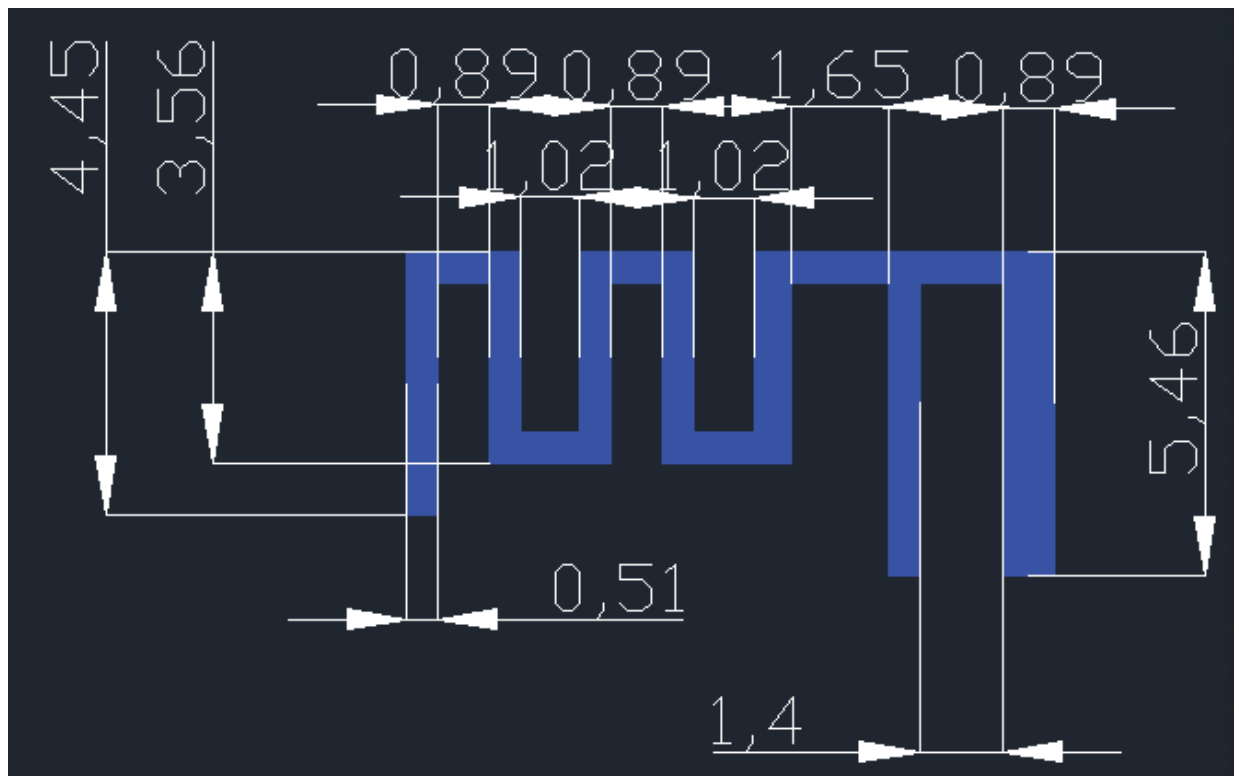
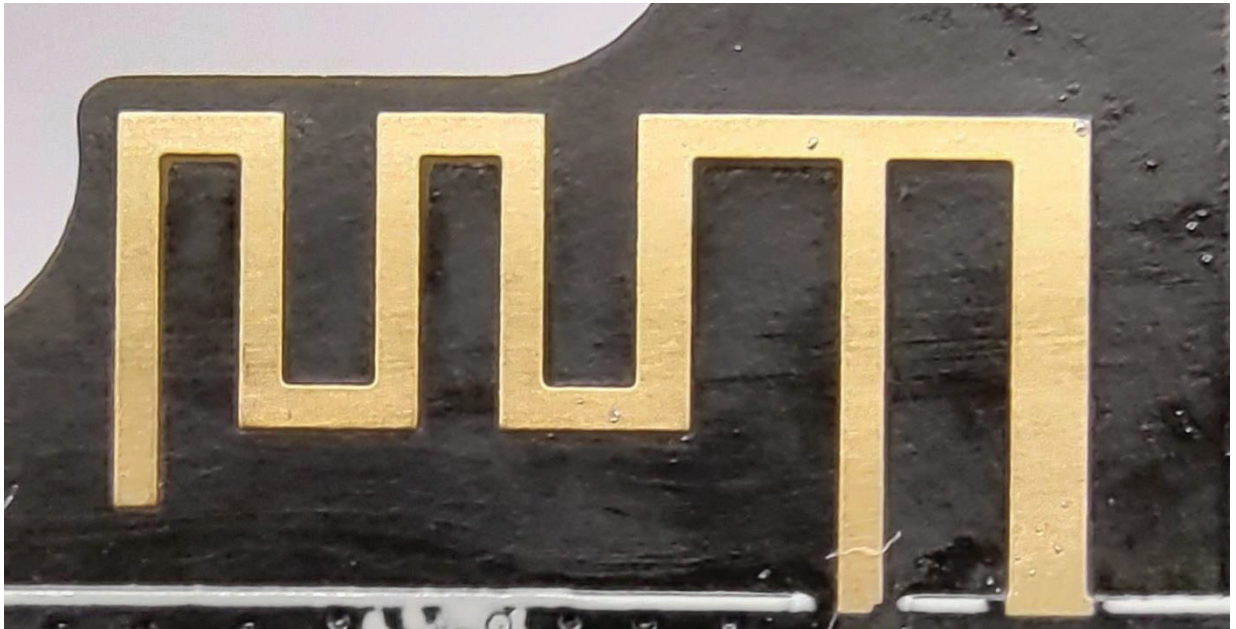


2025-5-21

Test environment: Zhongke International darkroom test system



Physical object and physical size of the antenna



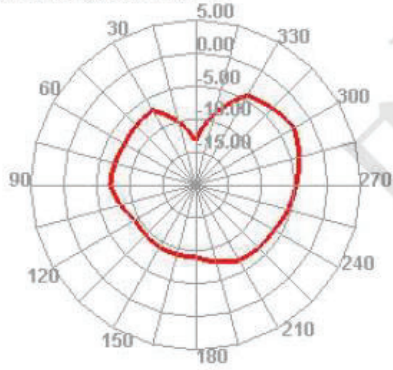
Antenna passive S parameter:

Standing wave ratio (VSWR), echo loss (Return Loss) and Smith circle diagram

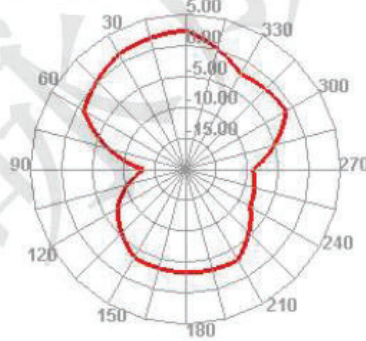


Antenna 2402MHz 2D-Theta Pattern

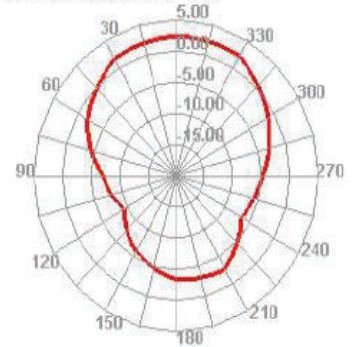
2400.000MHz H



2400.000MHz E1

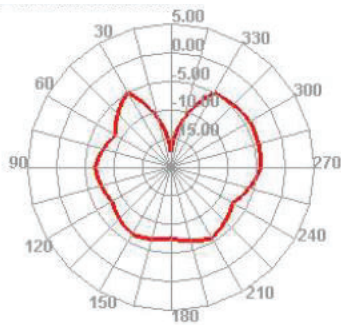


2400.000MHz E2

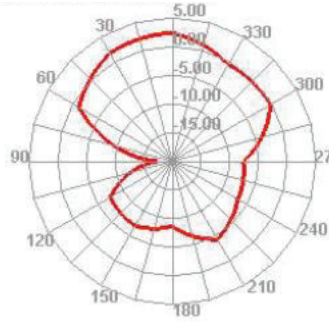


Antenna 2450MHz 2D-Phi Pattern

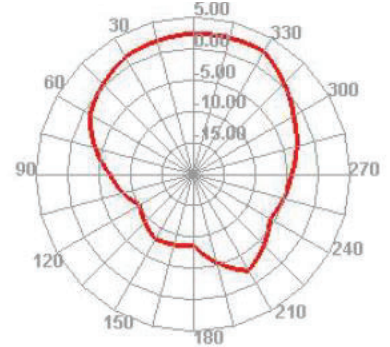
2450.000MHz H



2450.000MHz E1

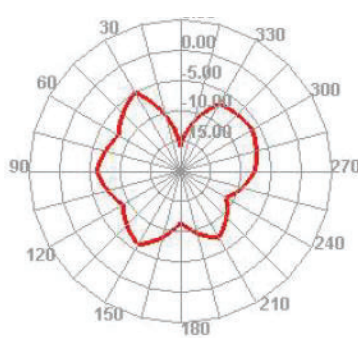


2450.000MHz E2

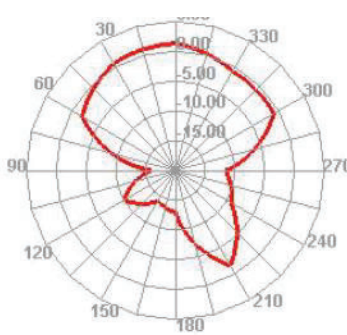


Antenna 2480MHz 2D-Phi Pattern

2480.000MHz H



2480.000MHz E1



2480.000MHz E2

