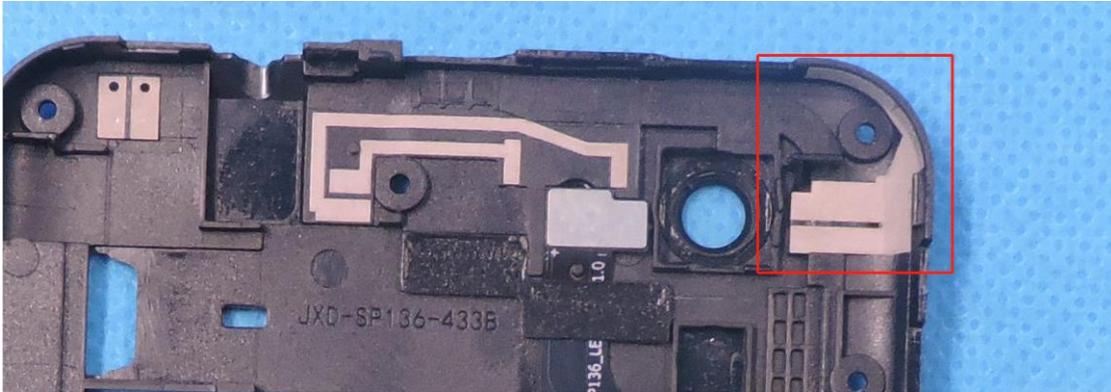


Specification of MOX antenna

Customer		Specs	MOX
Part Number	AW006-PD005D-023-A0	Frequency Band	2400-2500MHz
Salesperson		Design	
Structure		Confirm	
Date		Signing Date	
Customer confirmation:			
Join hands to create the future			

一、Product specification

The report mainly provides the parameter test of MOX antenna performance.



MOX Antenna

二、Electrical performance

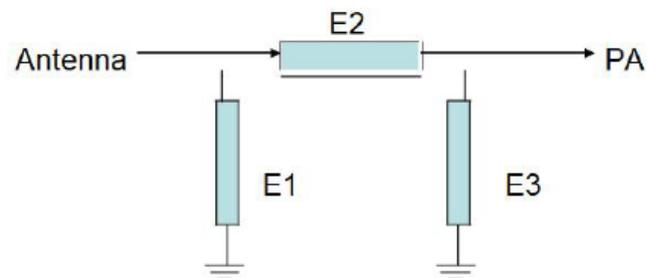
1. specification standards

The working frequency band of R10 antenna is 2400M~2500M the resonance occurs in this frequency band.

2. The matching circuit of the antenna

The structure of the antenna: PIFA

Matching circuit:



三、Parameter testing

1. Test setup

The VSWR test device is connected in turn:



Treatment of test fixtures:

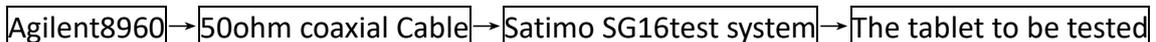
A hard cable is used to lead out the SMA-J connector from the 50 ohm test point of the antenna on the tablet PCB, which is connected with the copper tube with a choke, and then connected to other devices in turn

2. Test result

all going well

四、 Setup for active testing

The active test device is connected in turn



1. Test site

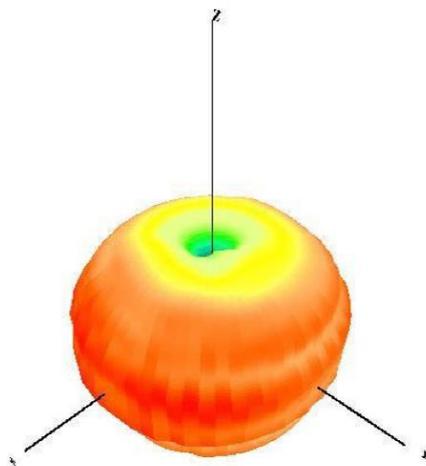
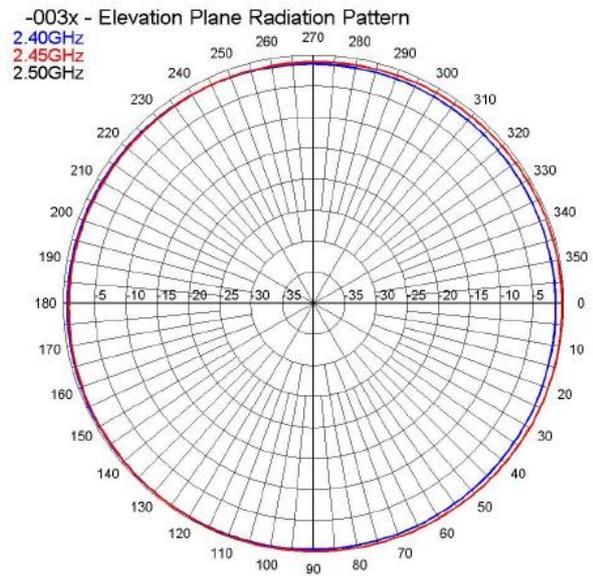
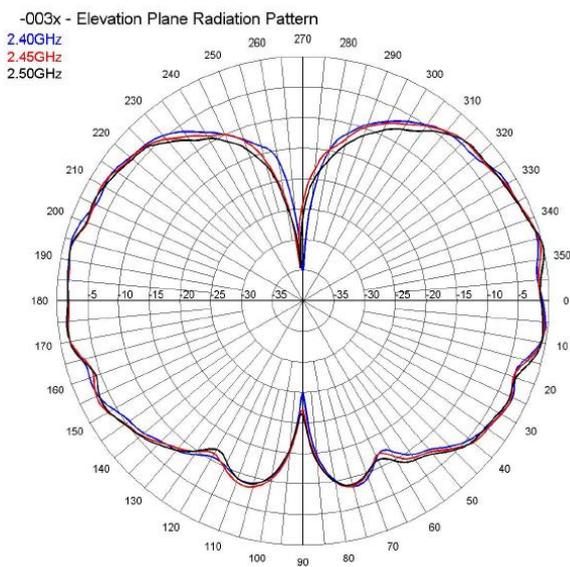
AW Microwave anechoic chamber: The test frequency range is 400MHz—6GHz,The range of static zone is 40cm circle,The reflectivity is less than -90 dB

2. Test result

The maximum radiated power and the maximum receiving sensitivity reflect the maximum radiated power and the best receiving performance of the antenna in the whole radiated space. TRP and TIS reflect the average radiated power and average receiving sensitivity of the antenna, that is, the overall receiving performance of the antenna.

WiFi efficiency:

Frequency (MHz)	gain(dBi)	Mingain (dBi)	Efficiency (dBi)	efficiency (%)
2400	1.06	-21.21	-5.56	27.82
2450	2.81	-26.56	-4.2	38.04
2500	-0.77	-30.43	-4.78	33.25



This plot shows the full 3D radiation characteristics of the antenna. The antenna is aligned vertically with the Z axis with the phase center of the antenna at the origin.