

APPROVAL SHEET

CUSTOMER NAME:

Antenna Type : 2.4G Metal plug-in antenna
(21B00240A)

CUSTOMER P/N:

YR; P/N: 21B00240A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:		

Contents

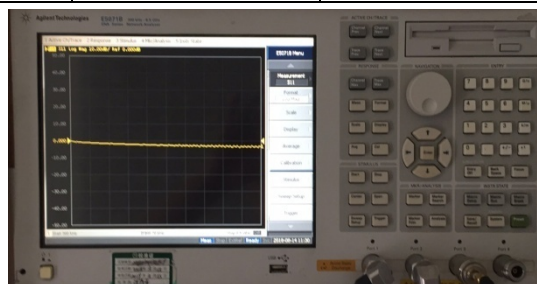
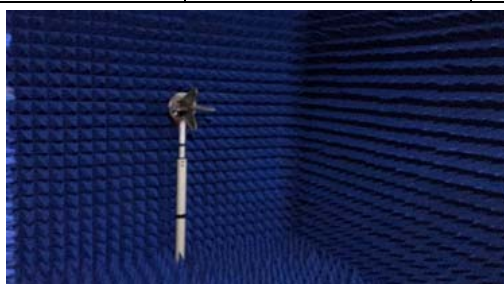
<i>Item</i>	<i>Description</i>
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1. Main technical parameters of products

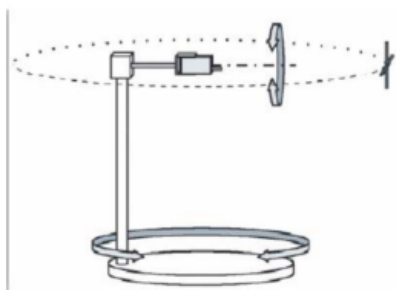
Main technical specifications	
Frequency Range (MHZ)	2400~2500
Impedance(Ω)	50 $\pm$ 10
Peak Gain(dBi)	1.84
VSWR	$\leq$ 1.92
Admitted Power	1W
Polarization	Line,Vertical
Connector Type	DIP
Physical Properties	
Antenna Base	PCB+ Ceramics
Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C

3. Test environment

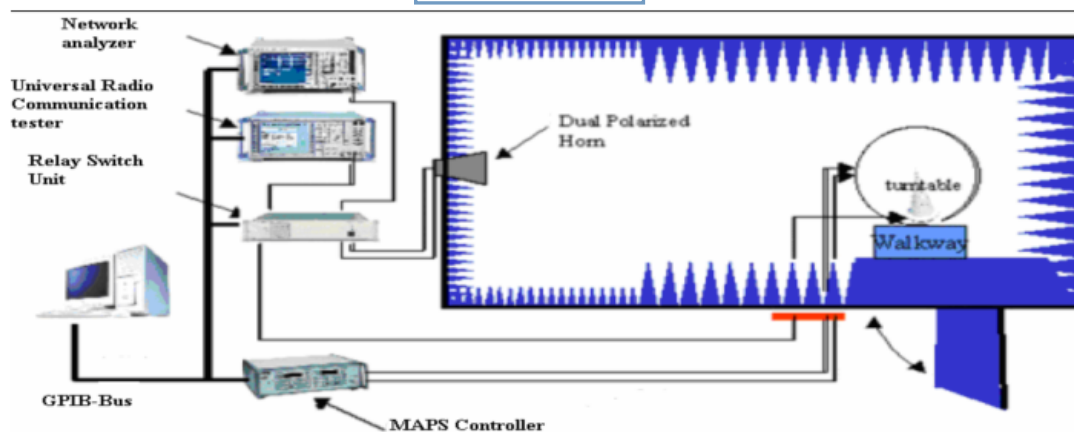
/	Test items	Equipment		
		Equipment	Model No	Manufacturers
S11	1. Return loss 2.VSWR	Analyzers	E5071B	Agilent
		Coaxial Cable	RG316	YiRui
Testing	1. 2D、3DRaditation Pattern	OTA	ETS 5*3*3(3D)	Guang Ping
		Analyzers	E5071B	Agilent
	2. Antenna gain 3. Antenna efficiency	PC Console	Win 7	ASUS
		OTA	ETS;Far Field probe	Guang Ping
		3D turntable	$\phi 1*1*1.5(3D)$	Guang Ping



Testing principle of ETS far-field darkroom

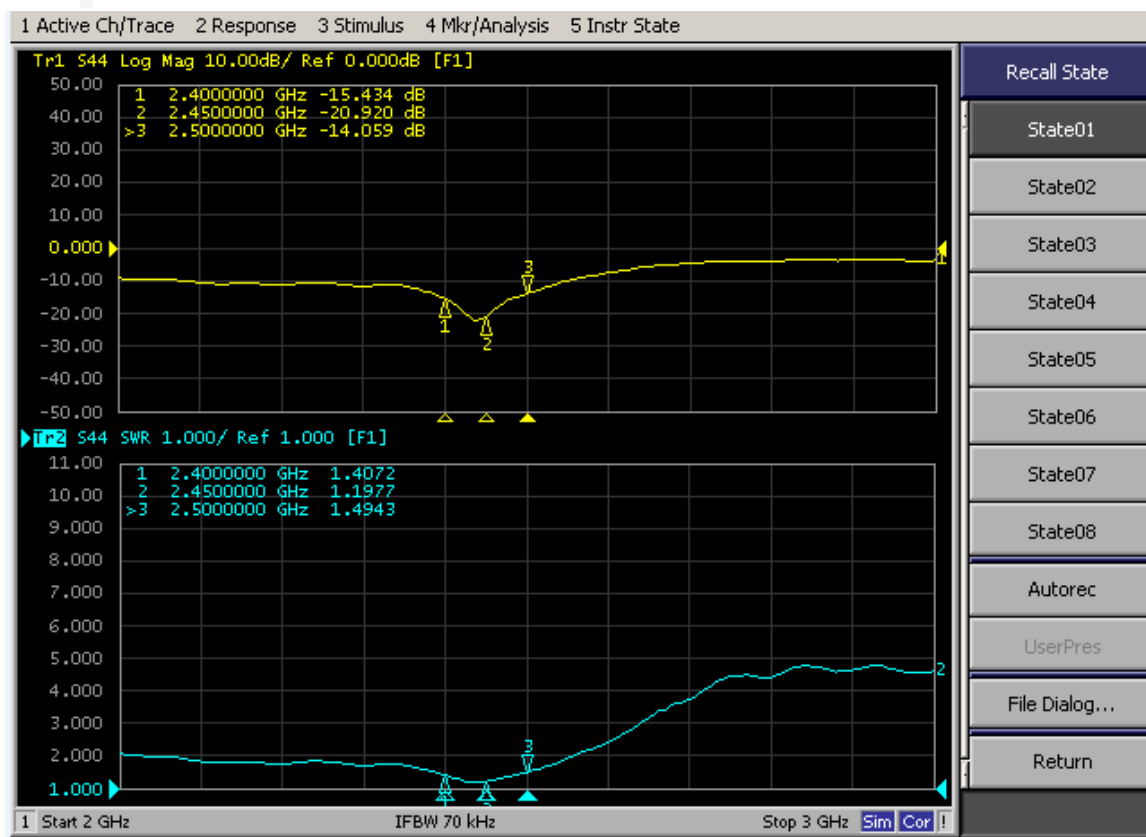


3D turntable



4. Test report

4.1. Return loss/VSWR

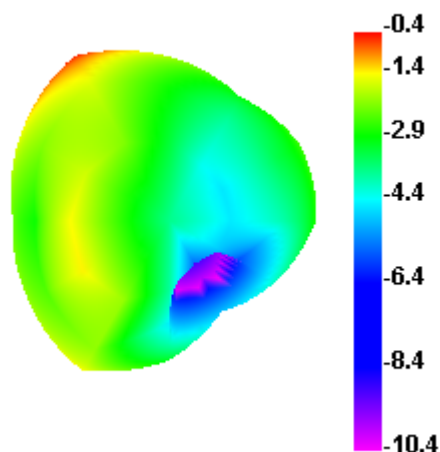


4.2. Gain. Efficiency. 2D、3DRaditation Pattern

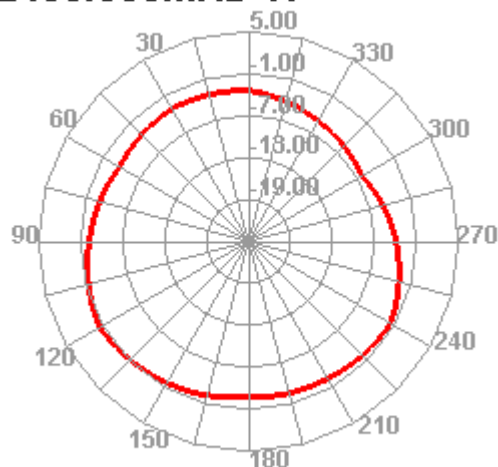
Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	46.68	1.37
2410	43.76	1.55
2420	45.12	1.33
2430	45.74	1.32
2440	49.41	1.01
2450	48.7	1.11
2460	47.89	1.1
2470	45.11	1.22
2480	48.64	1.39
2490	49.03	1.72
2500	47.42	1.84

4.2.2 2D/3D 场型图

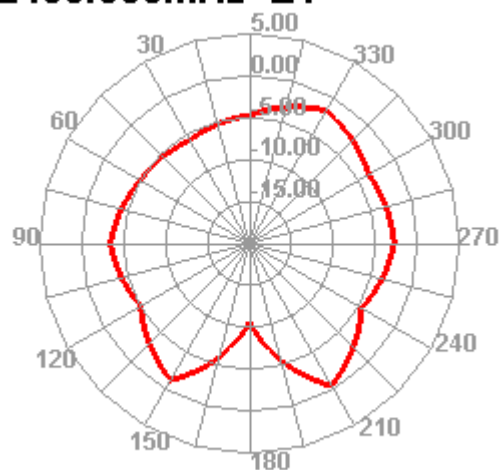
2400.000MHz



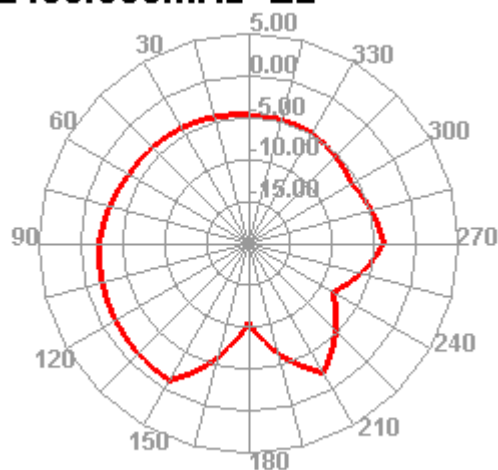
2400.000MHz H



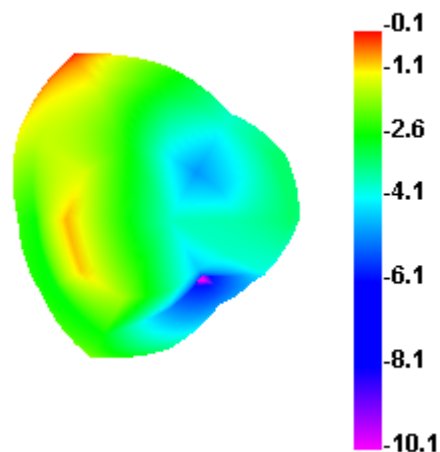
2400.000MHz E1



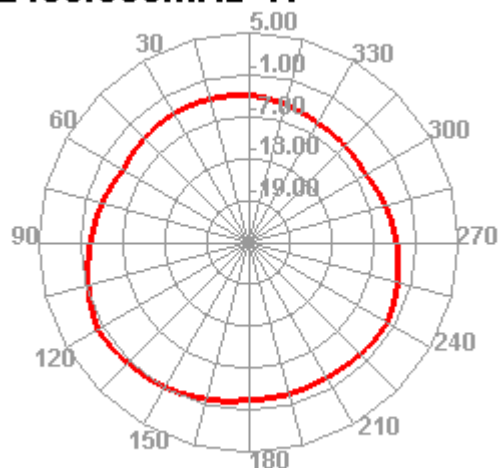
2400.000MHz E2



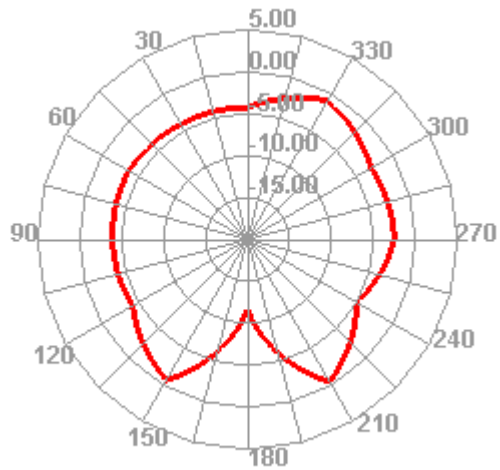
2450.000MHz



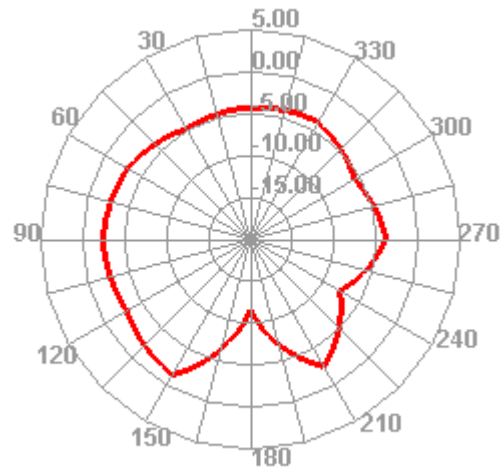
2450.000MHz H



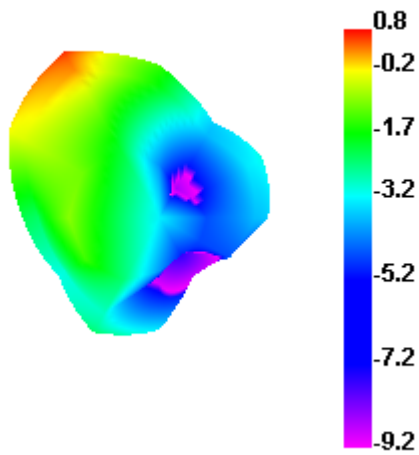
2450.000MHz E1



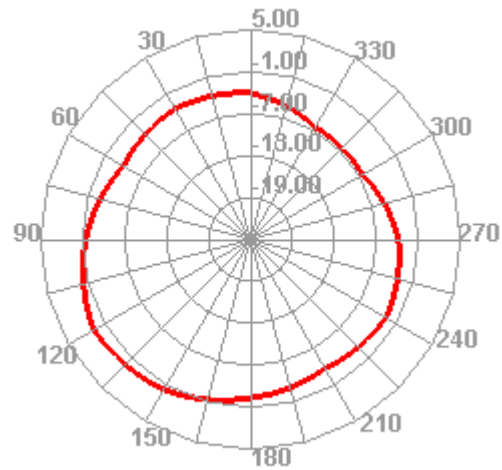
2450.000MHz E2



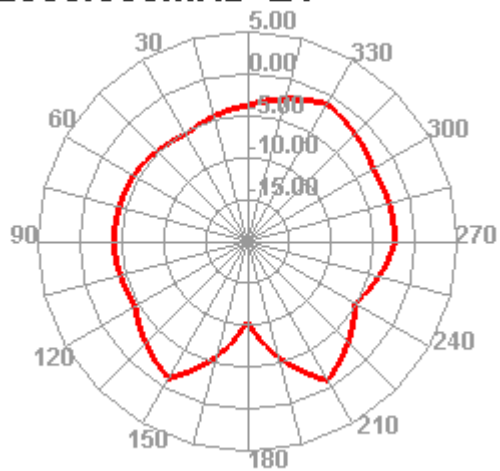
2500.000MHz



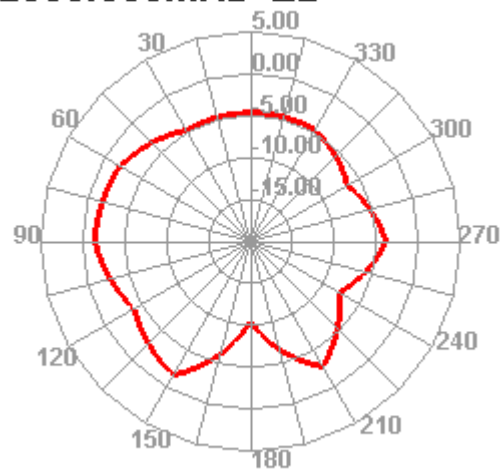
2500.000MHz H



2500.000MHz E1

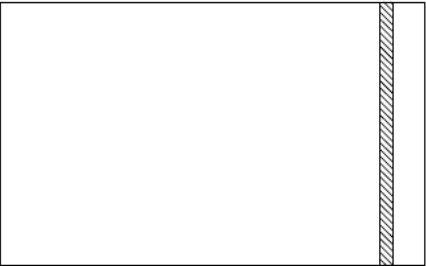


2500.000MHz E2

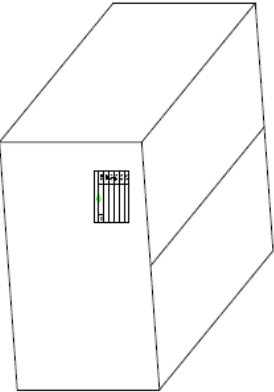


5. Packaging specifications

ROHS						
1	A	B	C	D	E	F
2						
3						
4						
5						
6	A	B	C	D	E	F



1、Pack full : 2000PCS/PE Bag
2、Pe bag should be labeled with 1pcs inner box to middle of PE bag.



1.Boxes shall be labelled with 1pcs/ROHS label
2. The case shall be labeled with 1pcs case label
(Note: if the label customers have requirements, according to customer requirements stick; otherwise according to our label stick) 。

1	A	B	C	D	E	F	G
2							
3							
4							
5							
6	A	B	C	D	E	F	G