

Type of Antenna: External Antenna
SPECIFICATION FOR APPROVAL

Name of manufacturer; Dongguan Yihai Communications
Technology Limited

CUSTOMER: _____

客 户 料 号

CUSTOMER NO: _____

品 名 2.4GHZ WIFI

PART NAME: _____

供 方 料 号 SY-Q804131BR002C-L01

SUPPLIER NO: _____

送样日期 Date: 2016-01-23

客户确认 CUSTOMER APPROVED BY

APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL	CHECK	DESIGN
Jammy	Jerry	Patrick

Address: Fuyi Industrial Park 403, Daling
village, Daling Mountain Town, Dongguan

承认书项目表Item list of the
acknowledgement

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产品图片

Schedule of DeedProjects

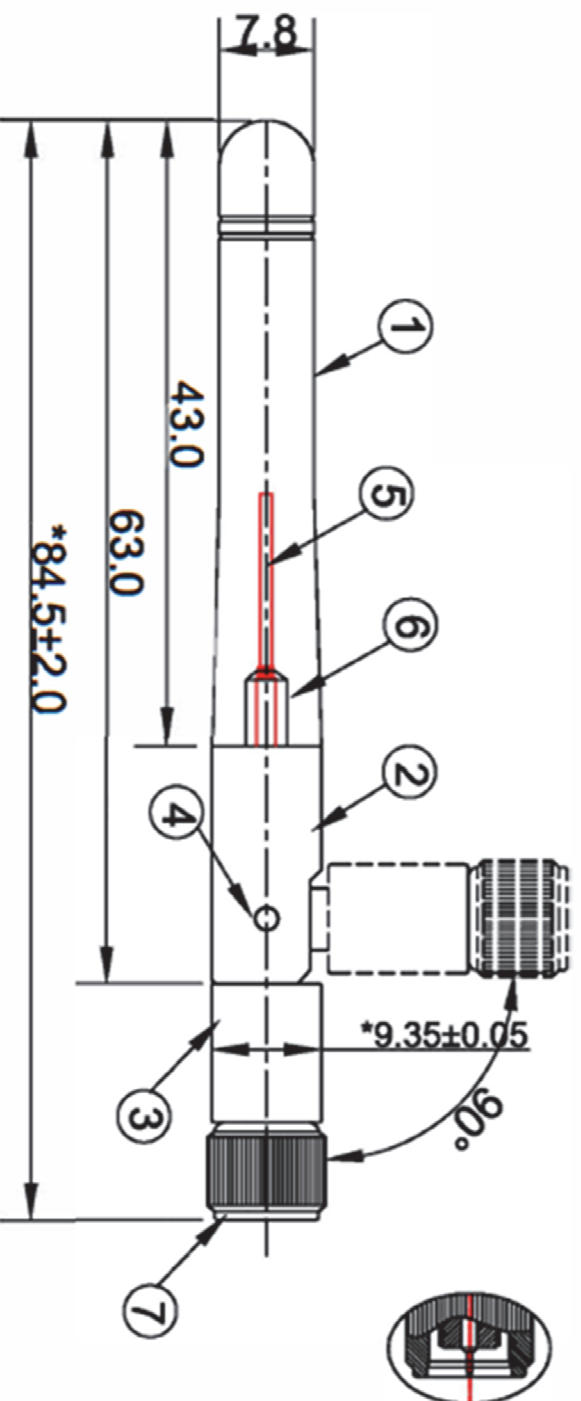


Product Specifications Overview

Electrical Properties	
Frequency	2400~2500MHz
Impedance	50 Ohm Nominal
Return Loss	-10 DBi
VSWR	2.0MAX
Gain	2.97DBI
Physical Properties	
Cable Type	RG-178 CABLE
Operating Temp.	-45 ~ +85 °C
Cable Color	Brown

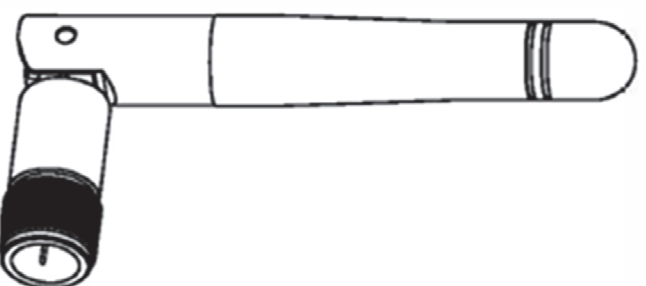
ROHS

REV.	CONTENT	DATE
A	首次发行	2014.08.01

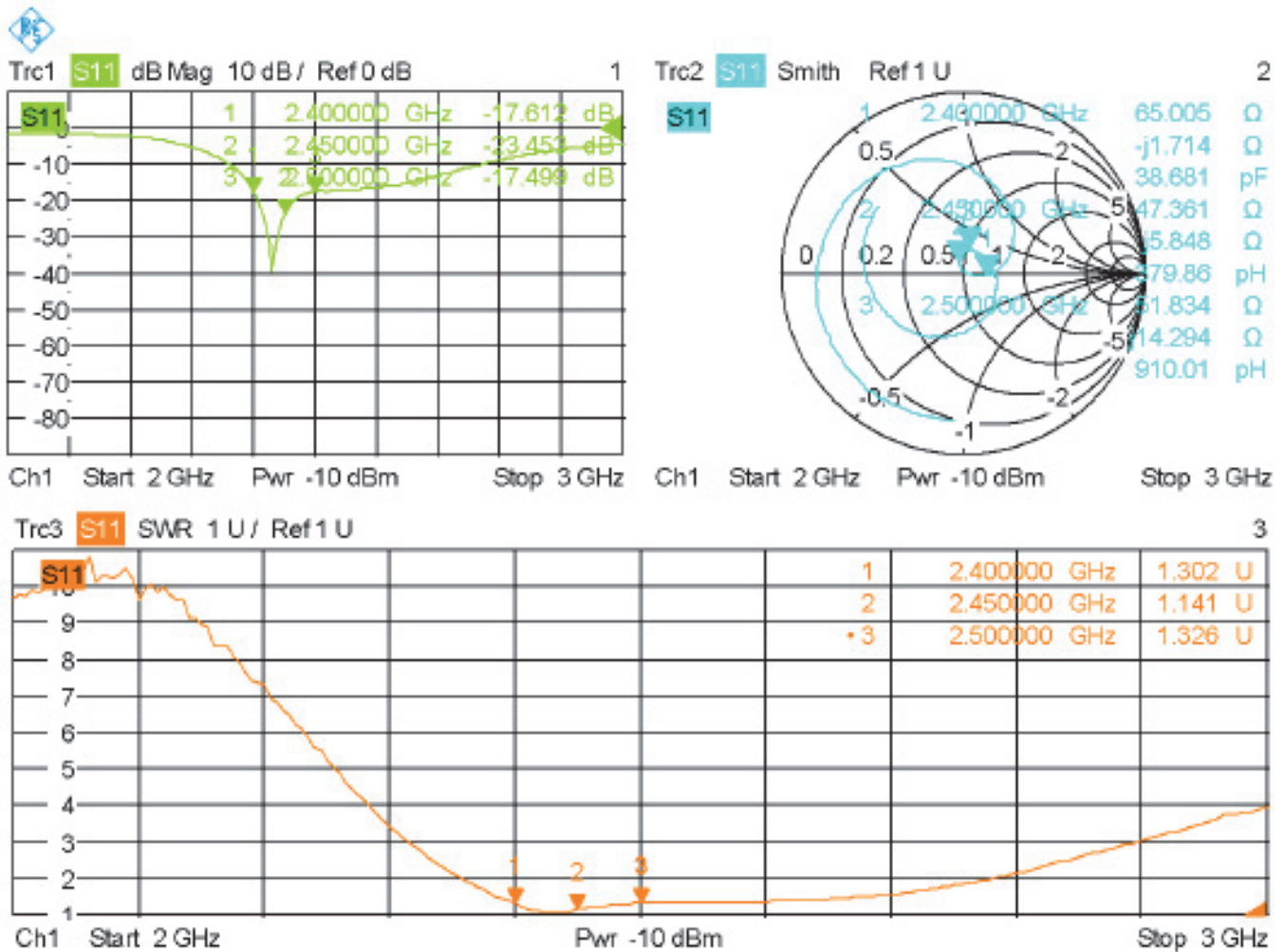


Specification:
Frequency Rang:2.40~2.50GHz
Return Loss:-10dB or Less
VSWR:2.0MAX

7	CONN	Plug surface of the black plastic	1PC	TOLERANCE UNLESS OTHERWISE SPECIFIED UNIT: mm ANGLES ±0.5° X ±2.0 SHEET: 1/2 X X ±0.2 X X ±5.0 SCALE: 1/1 X X ±0.5 DATE:2014-08-01 CUSTOMER PART NO TITLE S.H P/NO SY-0804131BR002C-L01 SIZE DRAWED CHECKED APPROVED Patrick Jerry Jerry
6	Copper TUB	Grounding copper pipe:Φ5.2*26.0*1.5mm	1PC	
5	Cable	RG-178 Tinned wireCABLE ,L=73mm COLOR:Brown	1PC	
4	Rivet	POM rivet (Black)	2PC	
3	Button Base	Solid Φ under 9.35 * 19.7 mm material: PBT (Black)	1PC	
2	Upper Base	On solid Φ 9.35 * 28.8 mm material: PC (Black)	1PC	
1	Antenna Cap	Φ9.3*43mm black rod sleeve(Black)	1PC	
NO.	Name	Finished	Qty	

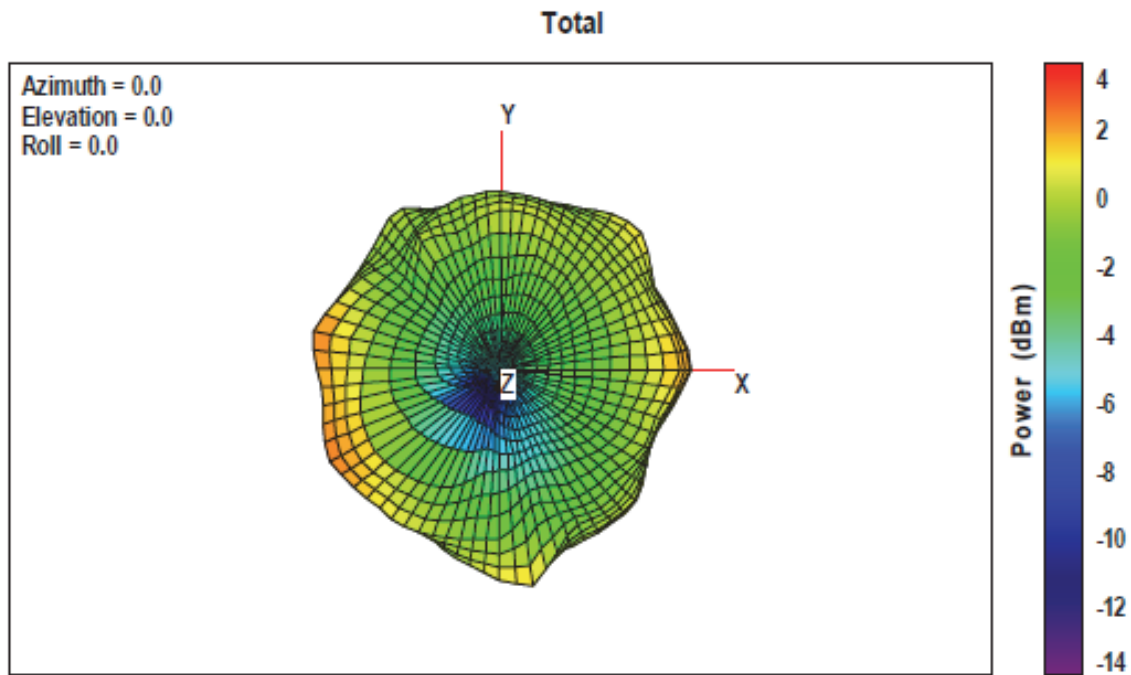


Network testing



GAIN Test

Gain测试



Passive Test For wifi						
Freq (MHz)	Efficiency (%)	Peak EIRP (dBm)	Gain (dBi)	Gain (dBd)	AVG. Gain (dBi)	Directivity (dB)
2400	42.34	-3.73	2.21	0.06	-3.73	6.52
2410	43.17	-3.65	2.23	0.08	-3.65	8.11
2420	43.46	-3.62	2.23	0.08	-3.62	8.09
2430	45.22	-3.45	2.08	-0.07	-3.45	6.08
2440	45.10	-3.46	2.88	0.73	-3.46	6.27
2450	43.87	-3.58	2.57	0.42	-3.58	5.49
2460	42.75	-3.69	2.81	0.66	-3.69	6.98
2470	43.81	-3.58	2.97	0.82	-3.58	5.42
2480	44.90	-3.48	2.14	-0.01	-3.48	5.36
2490	45.84	-3.39	2.15	0	-3.39	5.03
2500	46.53	-3.32	2.63	0.48	-3.32	5.78

S-Parameters Test Results

