Type of Antenna: External Antenna

SPECIFICATION FOR APPROVAL

Name of manufacturer; Dongguan Yihai Communications Technology Limited

CUSTOMER: _____

客 戶 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

	内容（Contents）	页数(Number of Page)	页码（Page Code）
1	承认书封面（Spec Cover）	1	1
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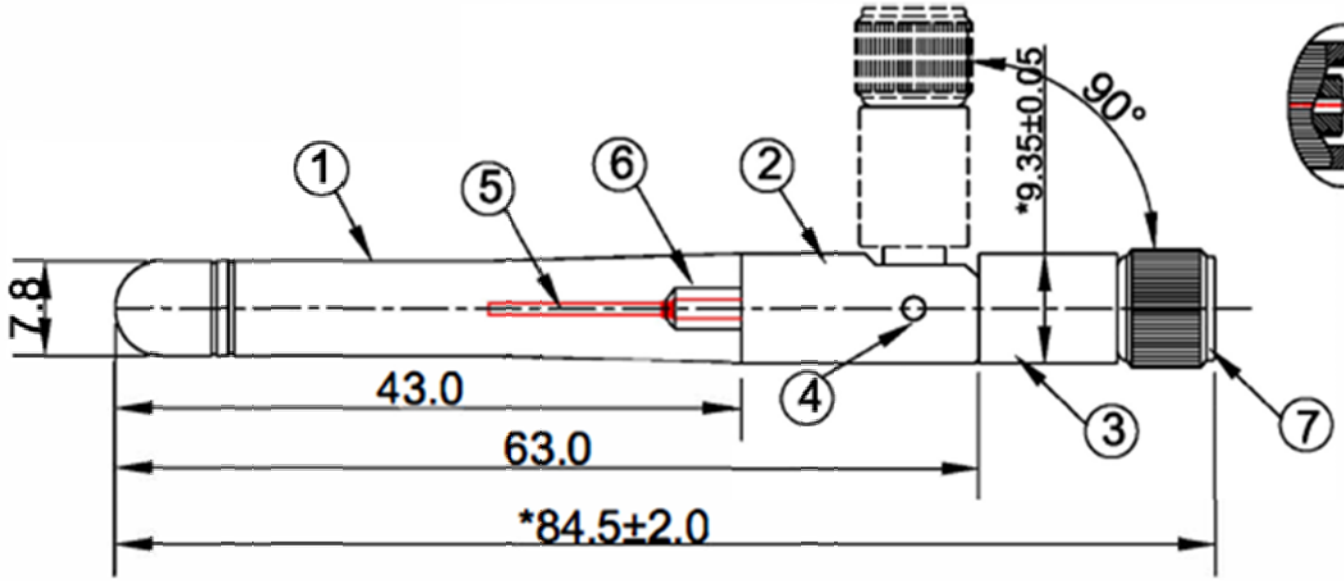
产品图片
Schedule of DeedProjects

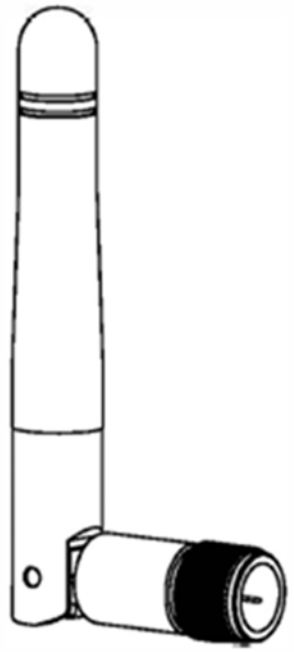
Product Specifications Overview

Electrical Properties	
Frequency	2400～2500MHz
Impedance	50 0hm 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





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

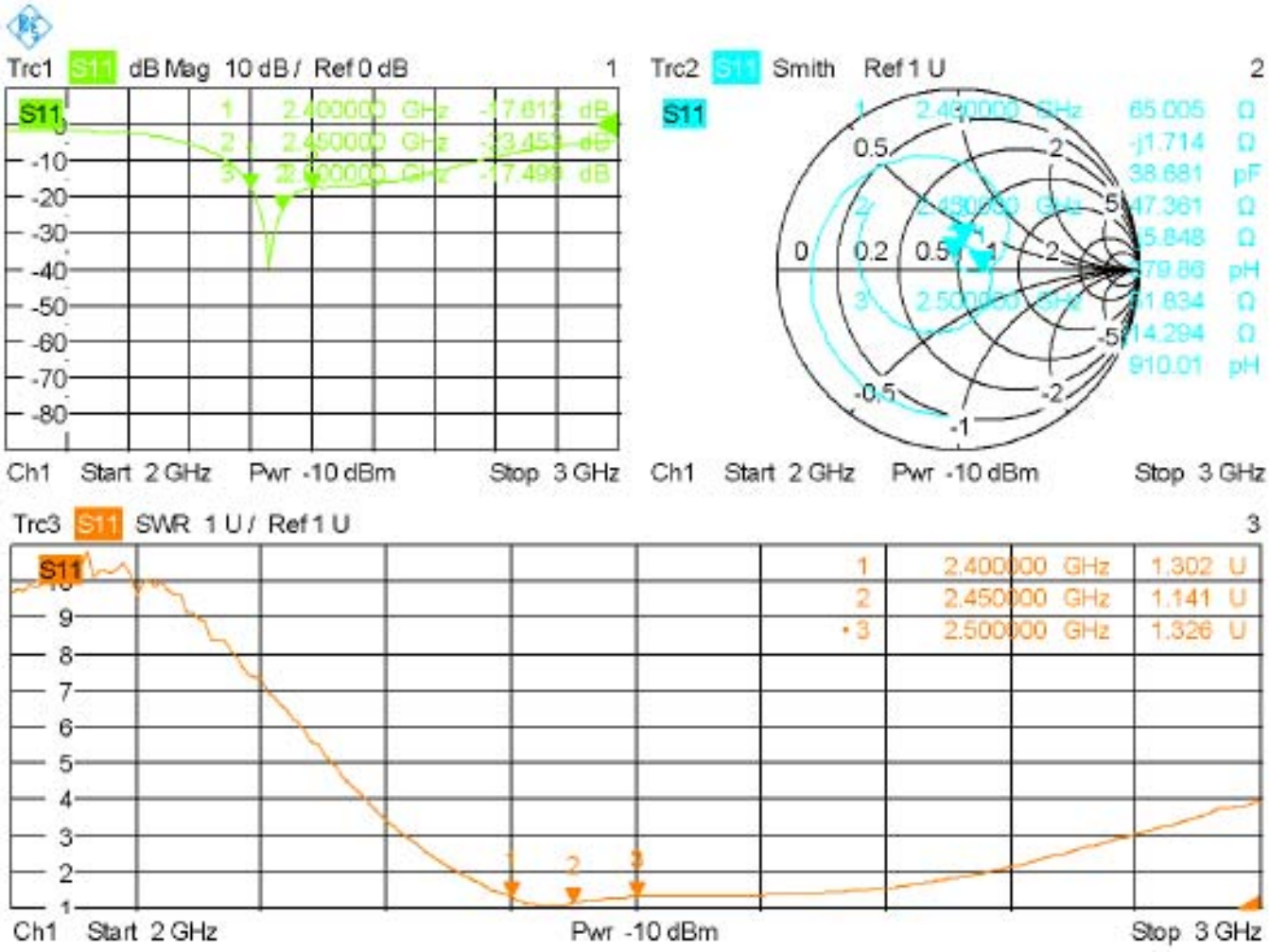
NO.	Name	Finished	Q'ty
7	CONN	Plug surface of the black plastic	1PC
6	Copper TUB	Grounding copper pipe:Φ5.2*26.0*1.5mm	1PC
5	Cable	RG-178 Tinned wireCABLE ,L=73mm COLOR:Brown	1PC
4	Rivet	POM rivet (Black)	2PC
3	Buttom Base	Solid Φ under 9.35 * 19.7 mm material: PBT(Black)	1PC
2	Upper Base	On solid Φ 9.35 * 28.8 mm material: PC (Black)	1PC
1	Antenna Cap	Φ9.3*43mm black rod sleeve(Black)	1PC

UNIT:mm	TOLERANCE UNLESS OTHERWISE SPECIFIED		
SHEET: 1/2	ANGLES ±0.5°	X ±2.0	
SCALE: 1/1	X.XX ±0.2	XX ±5.0	
	X.X ±0.5	DATE:2014-08-01	

CUSTOMER	
PART NO	
TITLE	2.4GHZ WIFI 2dBi Antenna
S.H P/NO	SY-Q804131BR002C-L01

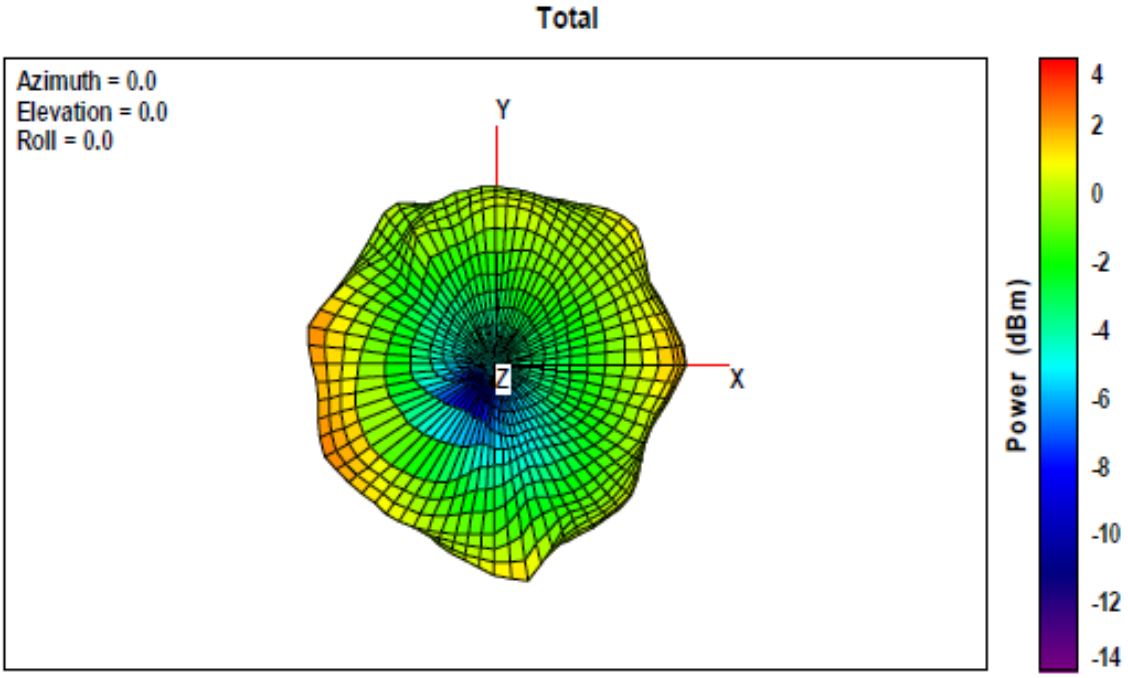
SIZE	DRAWED	CHECKED	APPROVED
A4	Patrick	Jerry	Jammy

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