

Suzhou Point Positive Electronic Technology Co.,ltd

SPECIFICATION FOR APPROVAL

Customer	Hansong (NanJing) Technology Ltd		
Customer P/N		Rev.	A1
Description	ANTENNA		
DRAWING P/N	RC12WFI0363A1		

CUSTOMER APPROVED BY STAMP	Approval	Quality	RD	Sales
	Roy	Hellen	Tak	Frank

ADD : No 3 XinLang Road ,Yinghu industrial Park, Wangting Town

Xiangcheng district Suzhou City

TEL : 0512-66706846

FAX : 0512-65088773

MAIL:Sales@ppteco.com



Table of Contents

1、 Antenna Drawing	-----	1
--------------------	-------	---

2、 Electrical Properties	-----	
--------------------------	-------	--

Return Loss /VSWR

Radiation Pattern

3 ,Packing date	-----	
-----------------	-------	--

4. Material Data Sheet		
------------------------	--	--

MHF Connector	-----	
---------------	-------	--

Coaxial Cable	-----	
---------------	-------	--

5. Material SGS.Rohs.MSDS	-----	
---------------------------	-------	--

SPECIFICATION

1. Description	ANTENNA
2. Customer	Hansong (NanJing) Technology Ltd
3. Model No	RC12WFI0363A1
4. Part No	
5. Standard	WIFI&BLUETOOTH
6. Antenna Profile	31.5mm (see Drawing)
7. Color	GREY
8. Electrical Characteristics	
Operating Frequency	2.4 ~5.8Ghz
Antenna Type	DUAL BAND
Polarization Type	Omni-directional
Type of Radiation	vertical or horizontal
Peak Gain	2.4~5.8Ghz/2.99 dBi Typica
Impedance	50Ω
V.S.W.R	2:1 Max
9. Mechanical Characteristics	
Swivel	
Lead Length	L:45MM
Connector	MHF CON
10. Raw Material	
Coaxial Cable	MINI1.13
Housing/Hinge	N/A

	1	2	3	4	5	6	7
	变更内容履历简述 REVISIONS DESCRIPTION			版次 REV.	年月日 DATE	變更切换方式	作成
△							
△							
△							

HF

31.5

WPB214

30

7

45±3

① MINI1.13 CABLE GREY

②

③

④

W

P

B

2

1

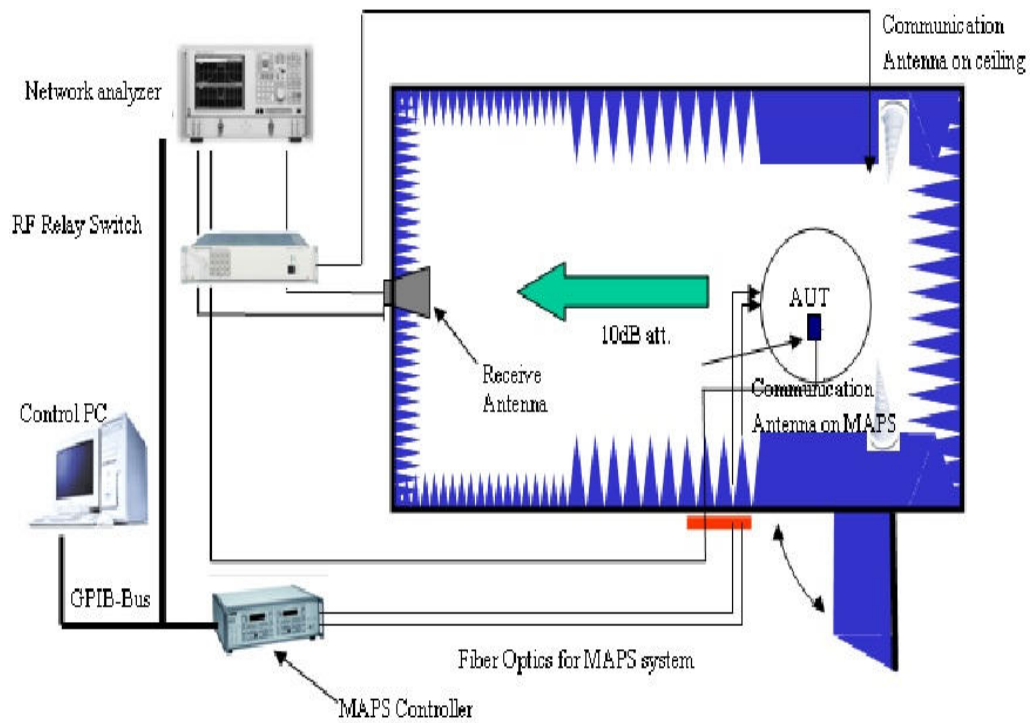
4

spec;

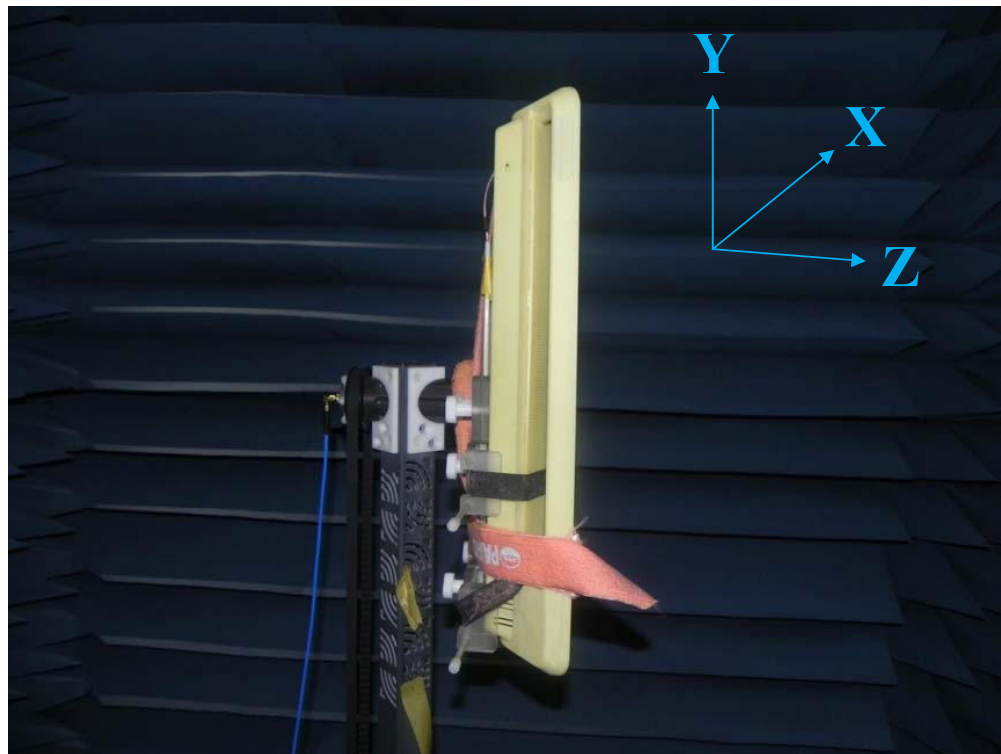
TEST VSWR/Return loss

Frequency:2.4/5Ghz

4	背胶	KS	7*30MM	白色	1
3	连接器	CPT	ANGZ1131-1C1	金色	1
2	本体	CH	PCB WPB214	黑色	1
1	电线	YD	YD113-911213D MINI11.3 GREY COAXIALC CABLE	灰色	1
No	材料名称	厂商	零件规格及描述	颜色	尺寸及备注
第3角法		图面不用实测		客户料号	
单位:MM		绘图	检图	确认	核准
比例:FREE		品名		PCB Antenna L:45MM	
DATE:10/11/21		Star	Hellen	Roy	Daivd
		产品分类		☒ A 成品 ☐ B 半成品 ☐ C 样品	
		公司图号		RC12WF10363A1	

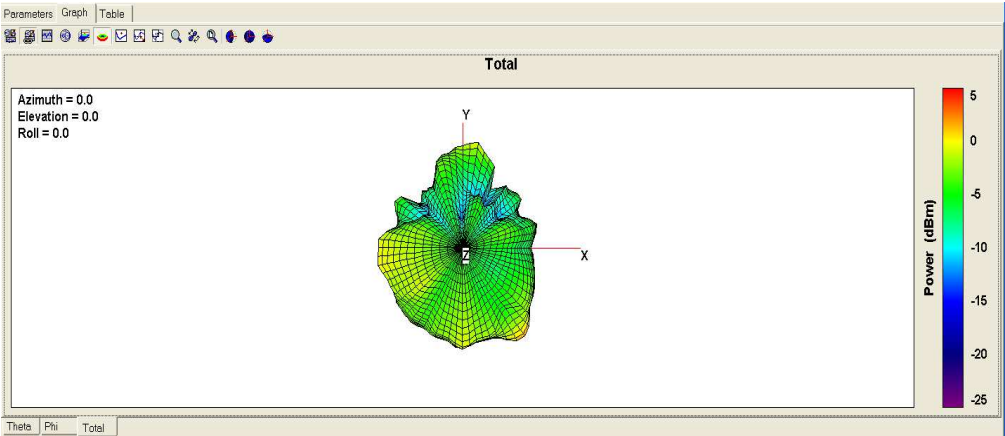


COORDINATE OF STRUCTURE:

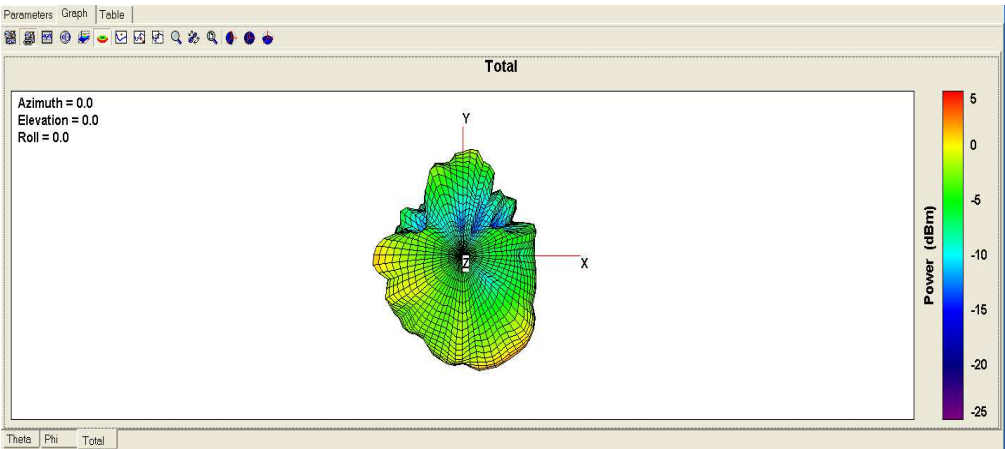


RADIATION PATTERN

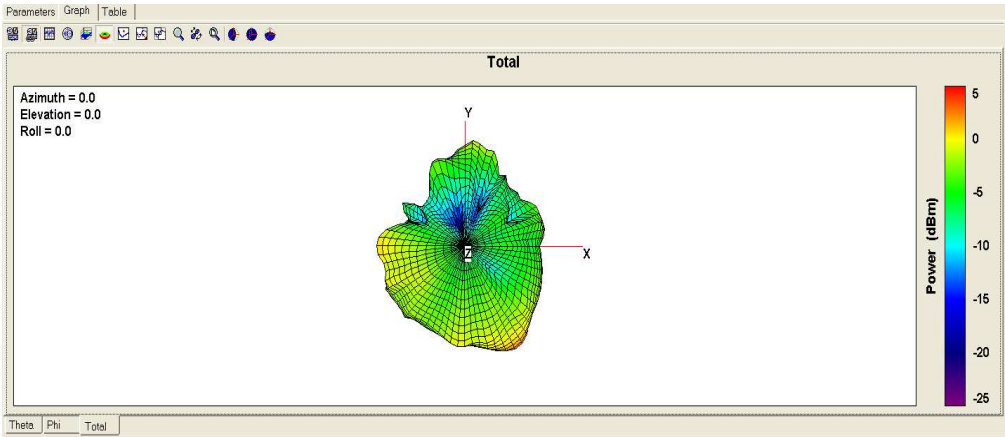
2.4G



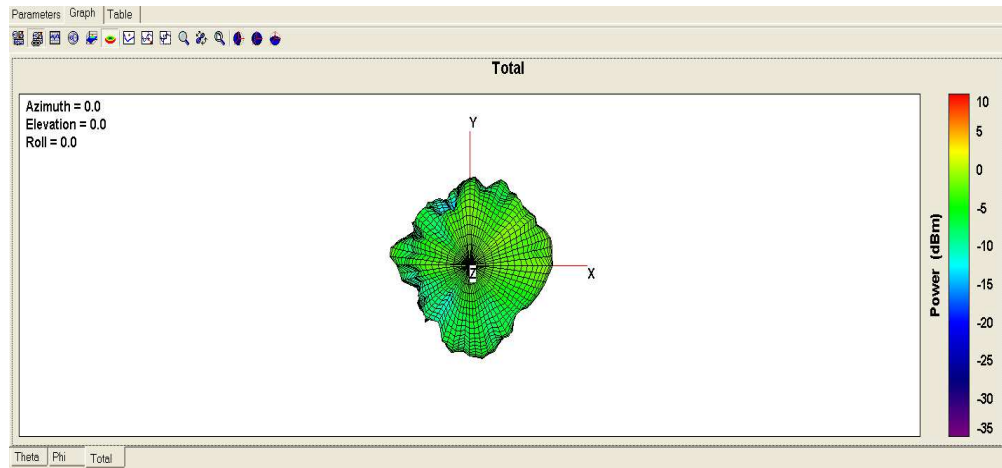
2.45G



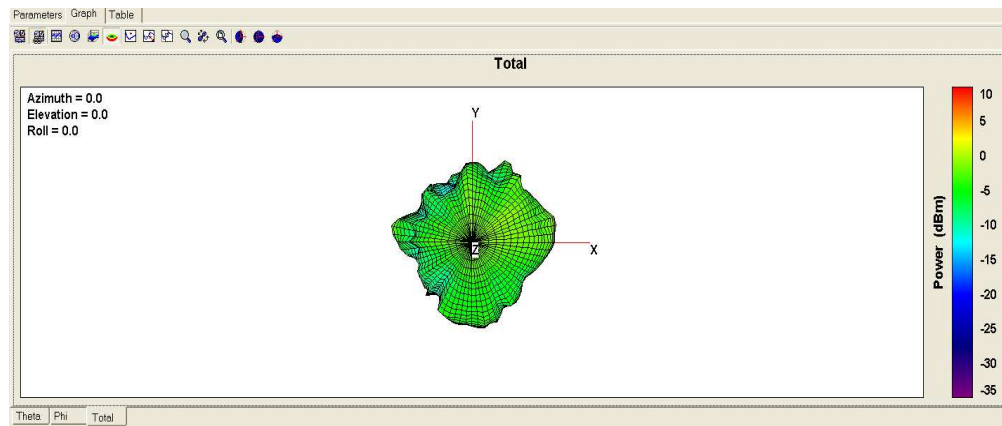
2.5G



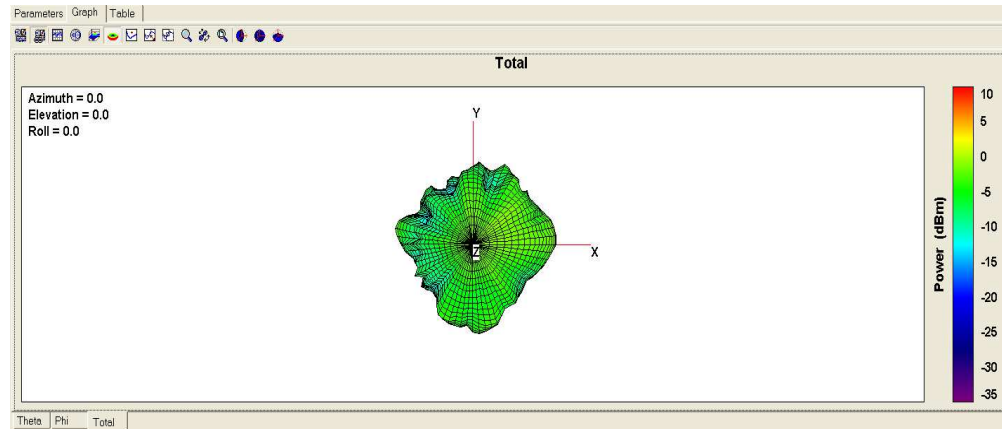
5.15G



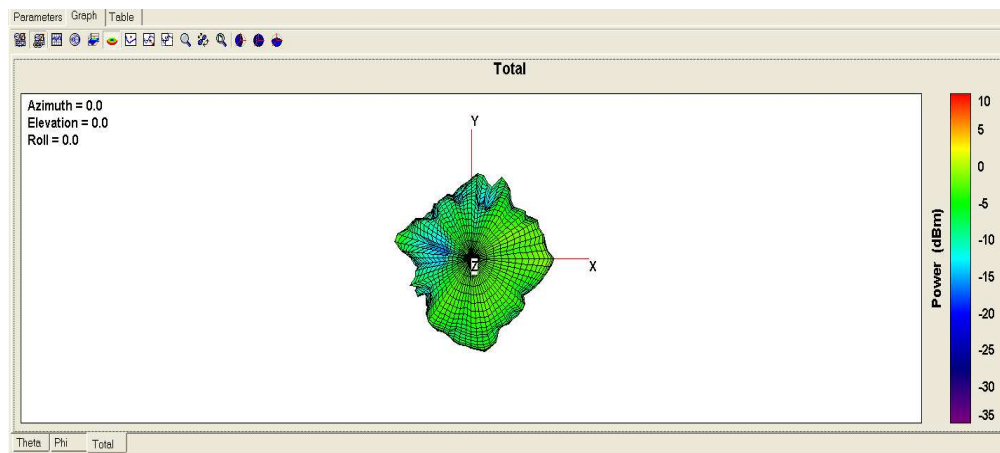
5.25G



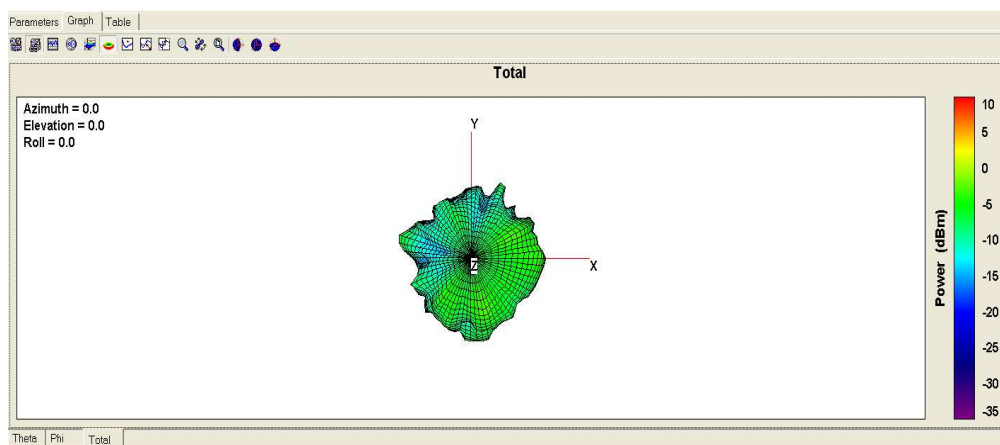
5.35G



5.725G



5.85G



Model	2400-5850MHz							
Test / Position	Gain / Free Space							
Frequency	2400	2450	2500	5150	5250	5350	5725	5850
Peak EIRP (dBm)	2.93	2.92	2.99	1.04	1.34	0.90	2.72	2.10
Efficiency (%)	48.5	52.91	54.57	36.43	39.47	32.62	34.94	30.90