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SPECIFIC ATIONS FOR APPROVAL

Customer Name: 三诺

Product Name: WiFi -MAIN

Product Model: MIIX 510

Part Number: N12-3153-R0A

Written By : 廖津津

Issued Date: 2016-8-8

CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

R&D DEPT	ENGINEER R&D DEPT	APPROVAL



目 录

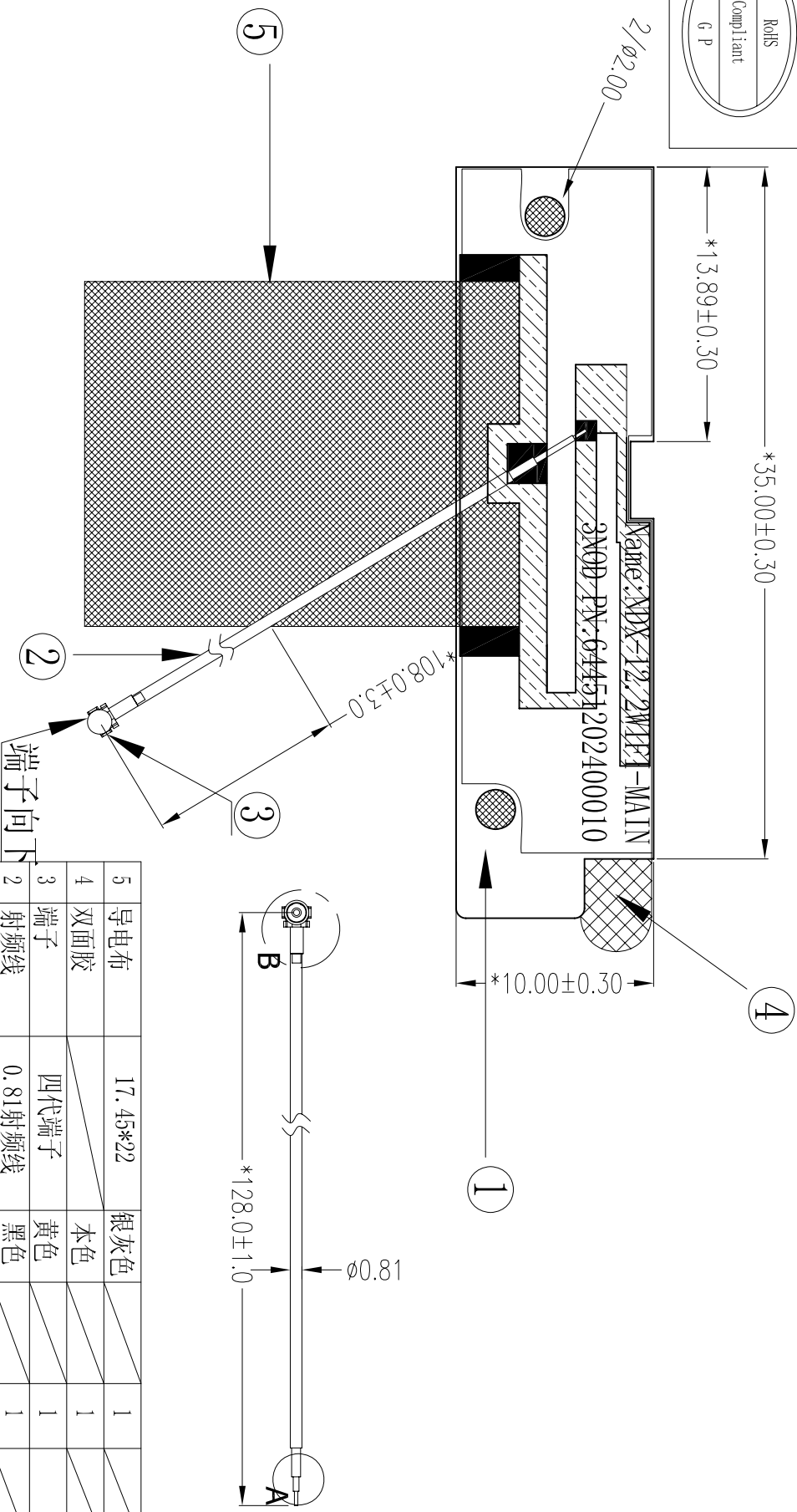
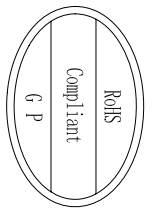
Index

一、 封面 (Cover)	• • • • •	• 1
二、 目录 (Index)	• • • • •	• 2
三、 基本参数 (The basic parameters)	• • • • •	• 3
四、 工程图纸 (Product Drawing)	• • • • •	• 4
五、 测试设备 (Test Equipment & Conditions)	• • • • •	• 5
六、 性能测试报告 (Test Report)	• • • • •	• 6
七、 安装方式 (Installation method)	• • • • •	• 7



The basic parameters:

A. Electrical Characteristics	
Frequency	2400 MHz~2500 MHz 5150MHz~5850 MHz
VSWR	< 2
Efficiency	2400 MHz~2500 MHz >45% 5150MHz~5850 MHz >40%
Impedance	50 Ohm
Polarization	Linear
Gain	>1.38dbi
B. Material & Mechanical Characteristics	
Material of Radiator	PCB black
Cable Type	∅ 0.81mm black
Connector Type	四代端子
Dimension	
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C



备注:

1. 标注"*"为重点尺寸, 未标公差尺寸按照±0.20
2. 未标注尺寸请依图纸。
3. 符合ROHS

No.	Name	Material	Color	Treatment	Amount	Remark
5	导电布	17.45*22	银灰色		1	
4	双面胶		本色		1	
3	端子	四代端子	黄色		1	
2	射频线	0.81射频线	黑色		1	
1	PCB		黑油		1	

深圳南斗星科技有限公司

SHEN ZHEN SOUTHSTAR CO., LTD

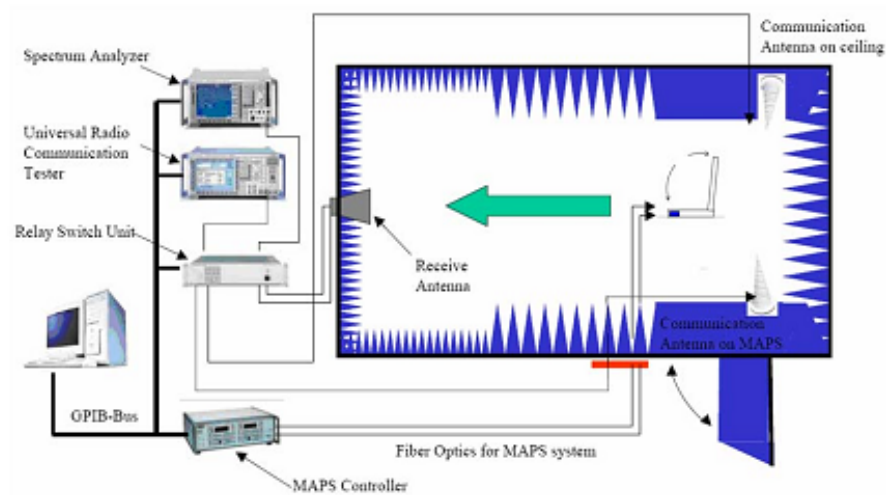
Third Angle		Project		Date	
0~10	±0.05	12.2		2016-08-08	
10~18	±0.10	Part Name	WIPI(MAIN)天线	Designed by	张文峰
18~30	±0.12	Part No.	N12-3153-R0A	Checked by	廖津津
30~40	±0.15	Material	N/A	RF	
40~	±0.20	DWG No.	N12-3153-R0A	Approved by	
Location				Unit	mm

Test Equipment & Conditions

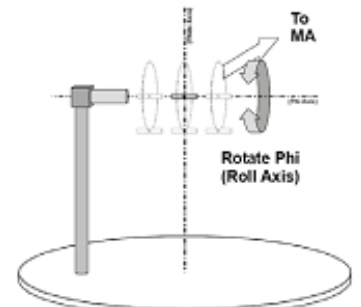
1. Network Analyzers :

Agilent 8753D 5071B

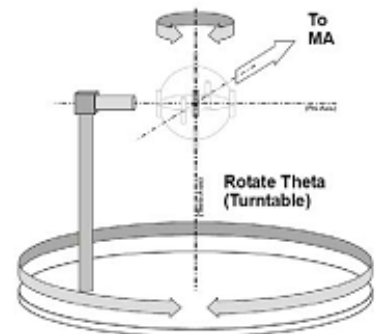
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)



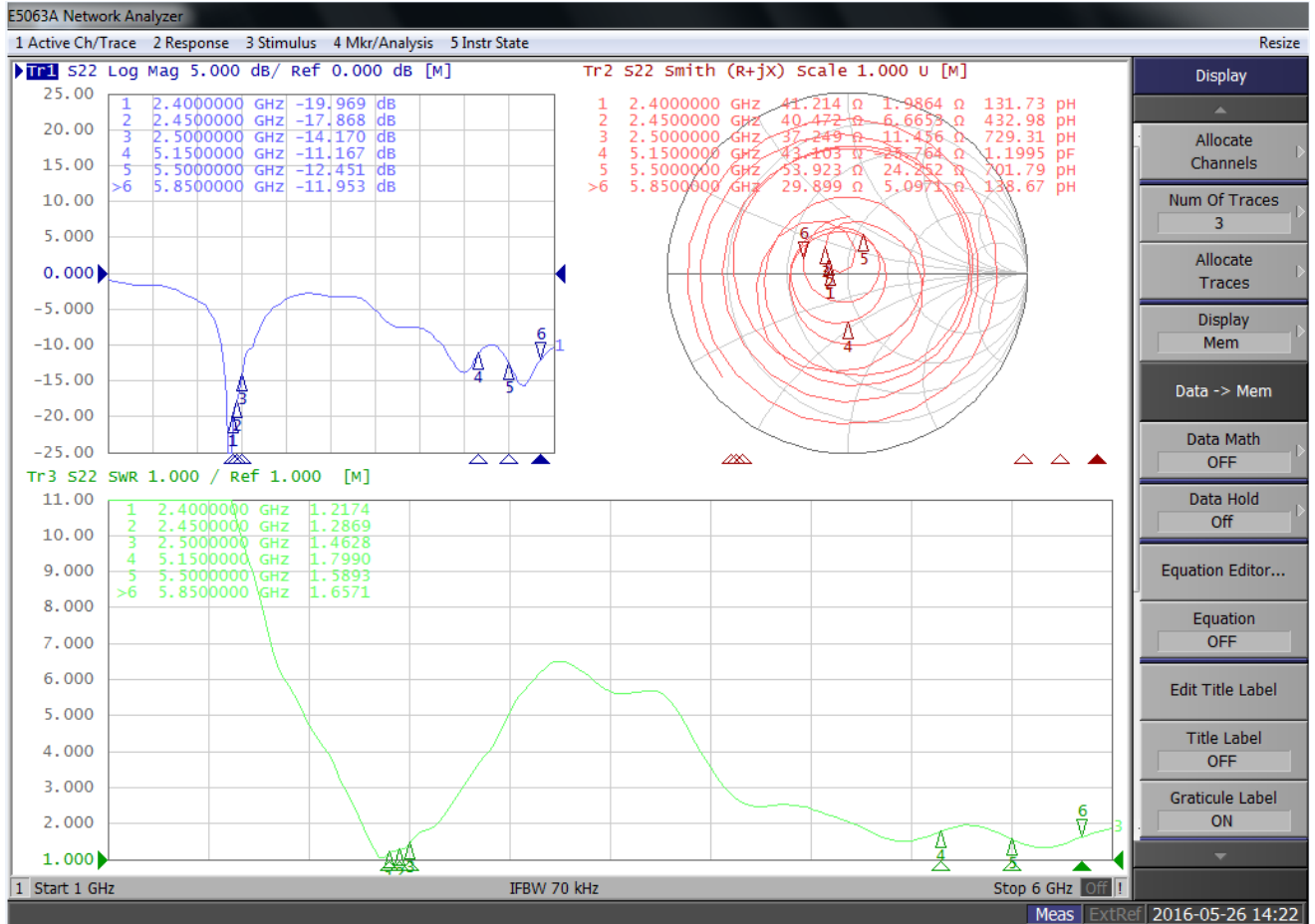
Phi axis test



Theta axis test



Wifi -MAIN Antenna Impedance: S11 (parameter)





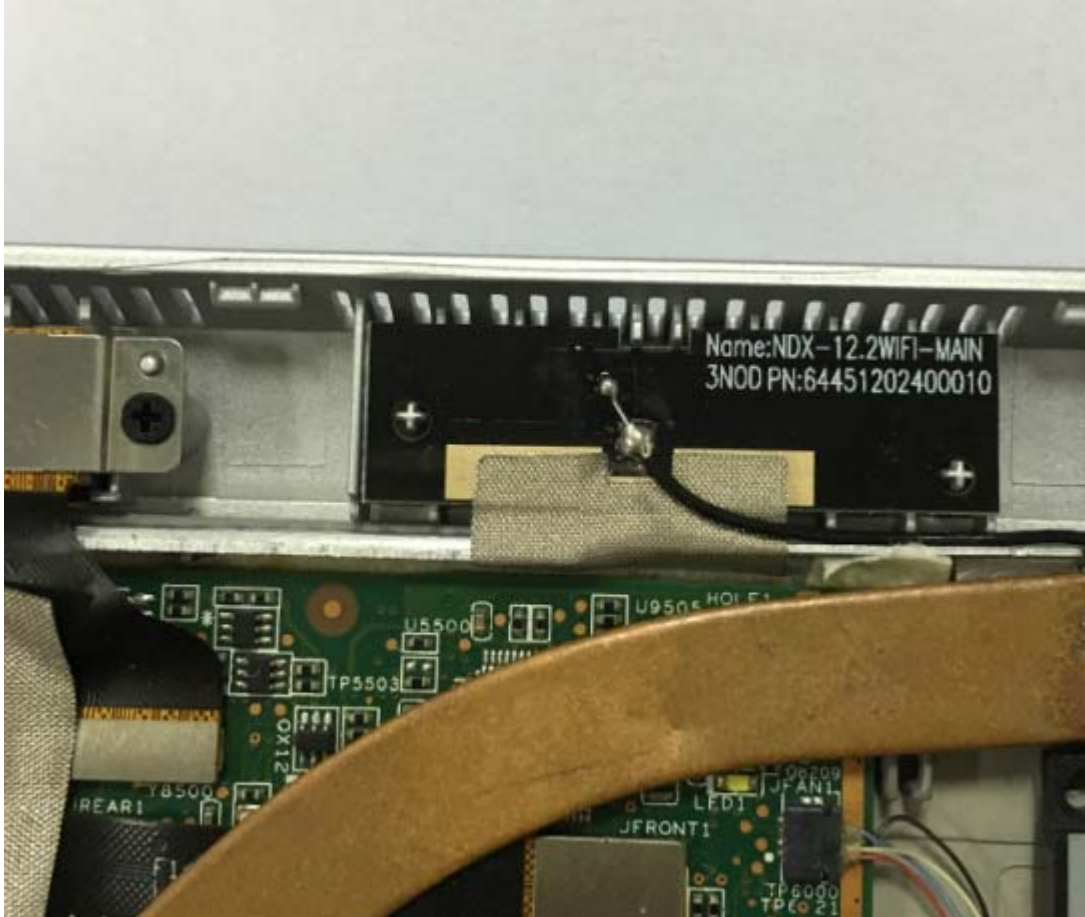
WIFI -MAIN Total Efficiency&Gain:

Freq (MHz)	Effi (%%)	Gain (dBi)
2400	45.24	0.59
2410	45.25	0.52
2420	45.75	0.68
2430	45.78	0.15
2440	45.37	0.17
2450	48.04	1.22
2460	47.5	1.22
2470	45.9	1.21
2480	45.92	1.44
2490	47.8	1.76
2500	45.75	0.86

Freq (MHz)	Effi (%%)	Gain (dBi)
5150	41.42	1.32
5200	43.48	2.09
5250	42.21	0.68
5300	41.29	1.61
5350	41.4	1.16
5400	42.45	1.02
5450	43.35	1.16
5500	42.71	1.48
5550	46.08	2.27
5600	43.03	1.99
5650	47.53	1.88
5700	46.03	1.42
5750	48.38	2.9
5800	45.29	1.85
5850	48.15	2.64

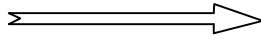
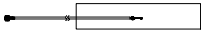


WIFI-MAIN Installation method:

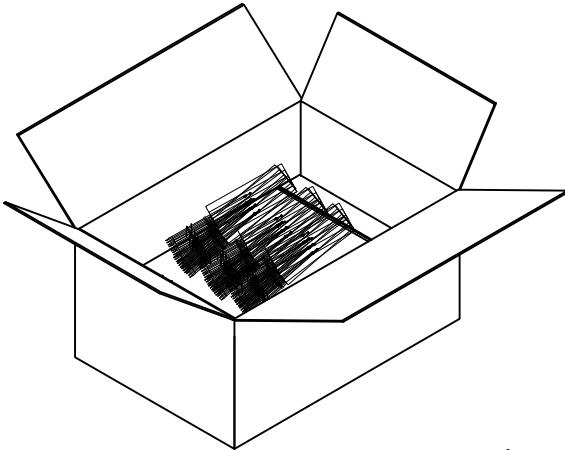
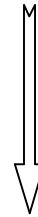


成品名称: 12.2 天线	版本: A
	客户: 三诺

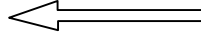
一: 成品天线



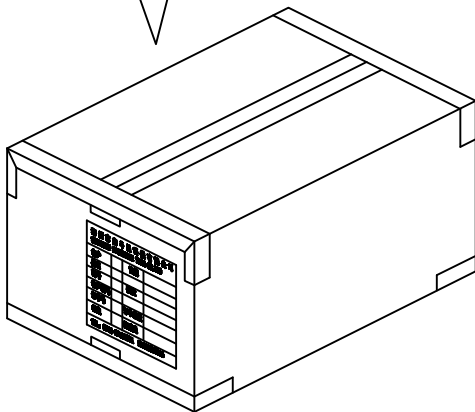
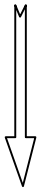
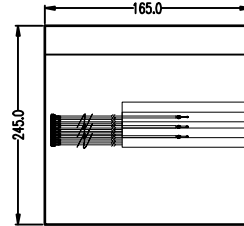
二: 20PCS一扎用扎带扎好, 端子使用泡棉包扎。



四: 装箱, 每10包装一箱, 一箱5000PCS成品天线(以实际包装为准)



三: 把扎好的天线装入夹链带, 每25扎一包



五: 封箱, 外箱贴我司生产标签

批准: _____ 确认: _____ 拟制: 张文峰