

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:Abbingdon Global Limited

产 品 名 称

PRODUCT NAME: Bluetooth antenna white/inner hole

客 户 料 号

CUSTOMER P/N: 01-03-003-0295-00

电子料号

P/N:

REV: A

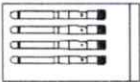
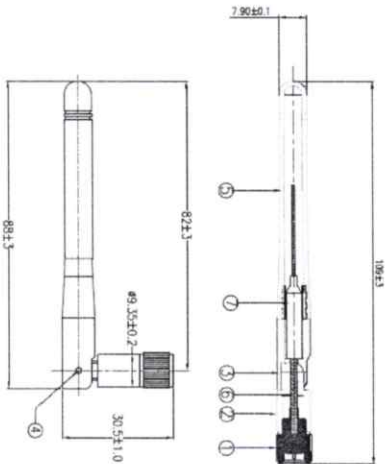
	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	XU	
AUDITOR BY:		
APPROVED BY:	CHRIS	
DATE:	2023-2-6	

一、Specification sheet:

Main technical specifications

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi) max	2.36	Gain(dBi) max	2.36
输出电压 驻波比	≤ 1.92	VSWR	≤ 1.92
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear, Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	SMA	Connector Type	SMA
物理性能		Physical Properties	
天线外套材料	TPEE	Antenna cover	TPEE
工作温度	-20℃~+70℃	Operating Temp	-20℃~+70℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃

REV	DATE	DESCRIPTION
A	2016-02-17	NEW ISSUE



Specification:
Frequency Range : 2.4G~2.5GHz
Return loss : -10dB or less
VSWR: 1.92:1max
Gain: 2dBi

NO	DESCRIPTION	QTY	REMARK
1	銅管	1	Brass
2	PC板	1	PC:WHITE
3	PC板	1	PC:WHITE
4	PC板	1	PC:WHITE
5	PC板	1	PC:WHITE
6	PC板	1	PC:WHITE
7	PC板	1	PC:WHITE

CUSTOMER: SMC

Part No. : RF Antenna Assembly

Part Name : RF Antenna Assembly

Rev : 1.0

Scale : 1:1

Sheet : 1 of 1

REV	UNIT	SCALE	SHEET
A	mm	1:1	1 of 1

Part No. : RF Antenna Assembly

Part Name : RF Antenna Assembly

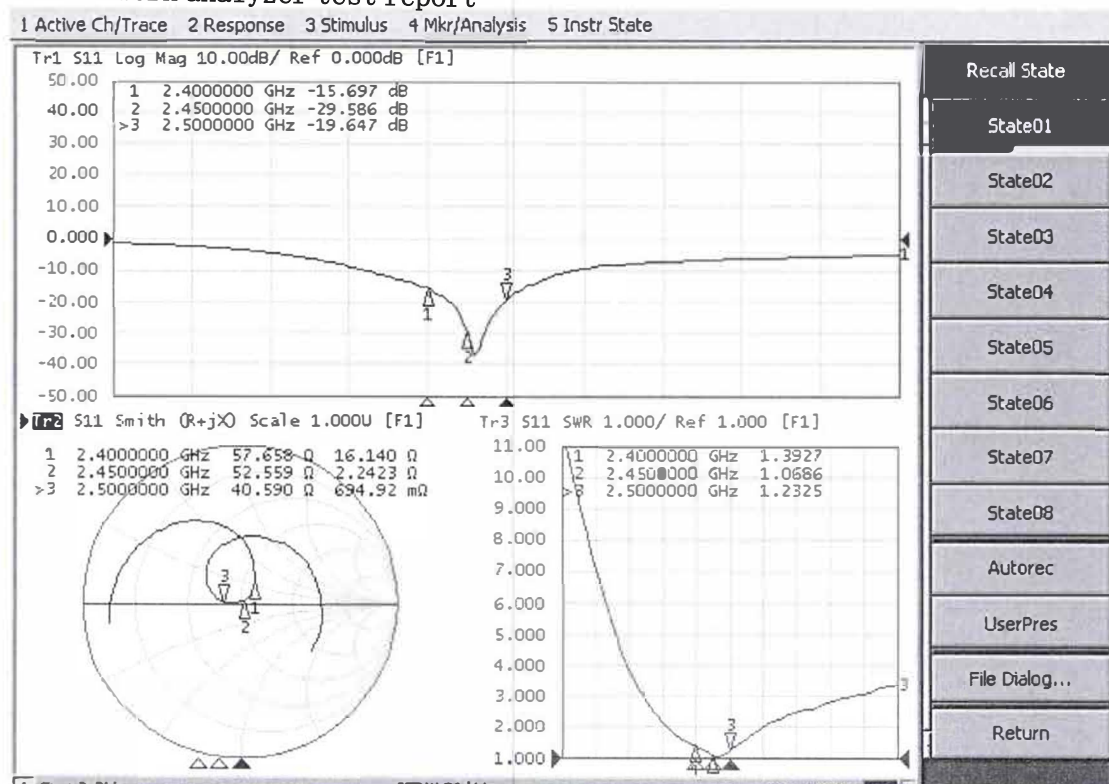
Rev : 1.0

Scale : 1:1

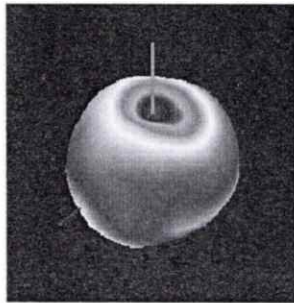
Sheet : 1 of 1

三、Test report

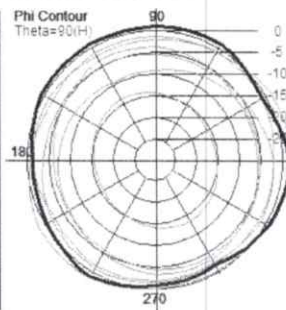
3.1: Network analyzer test report



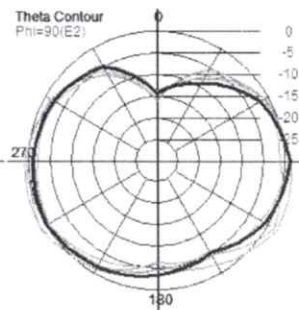
3.2: 暗室 2D、3DRaditation Pattern



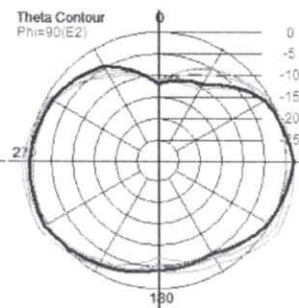
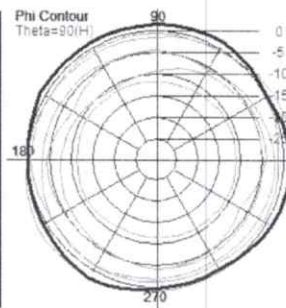
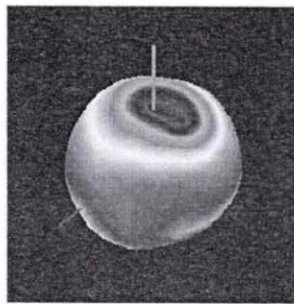
2.4GHz



Gain:2.11 dBi



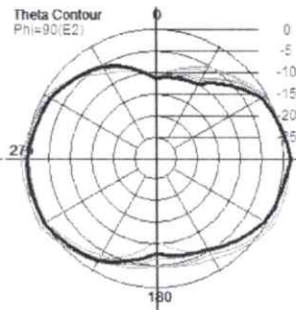
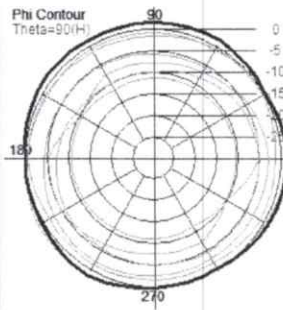
Efficiency:75.6 1%



2.45GHz

Gain: 2.23dBi

Efficiency: 78.45%



2.5GHz

Gain: 2.36dBi

Efficiency: 79.32%



FAI测试报告

编号: 20230214003

供应商	毅鑫奥达			图纸编号	01-03-003-0295-00				物料名称	蓝牙天线		
采购订单	\			图纸版本	黑色/内孔				规格/型号	黑色/内孔		
交货数量	5			抽检数	5				物料编码	01-03-003-0295-00		
检验数量	5			材质	\				表面处理	\		
测量工具	E: 目视 C: 游标卡尺 DG: 百分表 M: 千分尺 RG: 螺纹规 2.5D: 二次元 T: 投影仪											
测试项目		全尺寸测试							单位		mm	
NO	产品规格	规格上限	规格下限	产品编号/实测尺寸					测量工具	初判	SQE确认	研发确认
				1	2	3	4	5				
1	109	112	106	108.22	108.21	108.30	108.23	108.24	C	OK		
2	7.9	8	7.8	7.70	7.70	7.72	7.72	7.73	C	OK		
3	88	91	85	87.64	87.60	87.80	87.65	87.67	C	OK		
4	82	85	79	83.07	82.63	82.70	82.68	82.83	C	OK		
5	30.5	30.6	30.4	30.54	30.57	30.58	30.54	30.57	C	OK		
6	φ9.35	9.55	9.15	9.29	9.24	9.31	9.28	9.29	C	OK		
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
其他问题												
综合判定:		☒ 合格 ☐ 不合格 ☐ 限度接受										
检验员/日期:		蔡子乐2023.2.14 SQE/日期: 研发/日期:										