

瑞兴恒方网络(深圳)有限公司

RuiXingHengFang Network(Shenzhen) Co., Ltd.

承认书

SPECIFICATION FOR APPROVAL

客户

CUSTOMER

RuiXingHengFang Network(Shenzhen) Co., Ltd.

品名

DEACRIPTION

GN1S067

物料编码:

PART NO

物料描述:

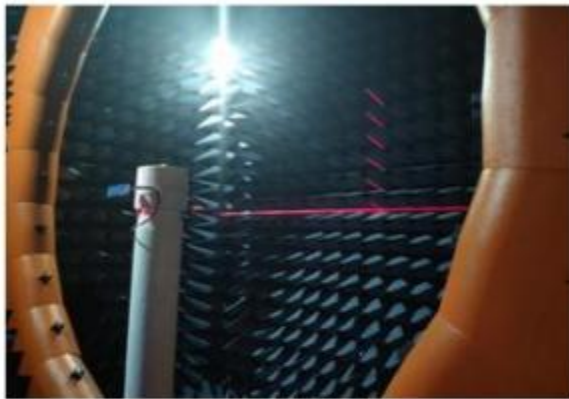
SPECIFICATIO

APPROVED BY	SIGNATURE	DATE
Mechanical Engineer:	YE	2023-09-20
RF Engineer:	YE	2023-09-20
Engineering Manager:	YE	2023-09-20
Approved By Customer (as required):		

RuiXingHengFang Network(Shenzhen) Co., Ltd.

Described:

The onboard Bluetooth antenna is mainly drawn on the product PCB, which is mainly used for Bluetooth data transmission, for aviation, navigation, communication, consumer entertainment, information services and other fields

Testing environment

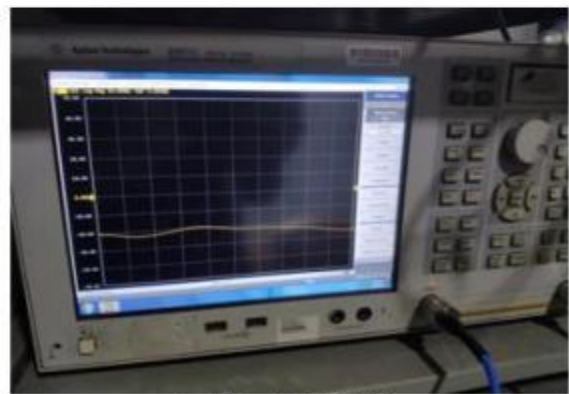
7*4*3M 3D微波暗室



MT8820C



Agilent 8960



Agilent E5071C

performance parameter

指标类型/pointer type	单位/Unit	指数指标/Index index
工作频率 Center Frequency	MHz	2402~2480
带宽 BandWith	MHz	78
驻波比Standing Wave Ratio	VSWR	≤ 2.0 @GN1S067
特性阻抗Impedance	Ω	50
极化方式 Polarization	RHCP	垂直极化
天线轴比 Axial Ratio	dB	≤ 3
增益Gain typical	dBi	1.5

work environment

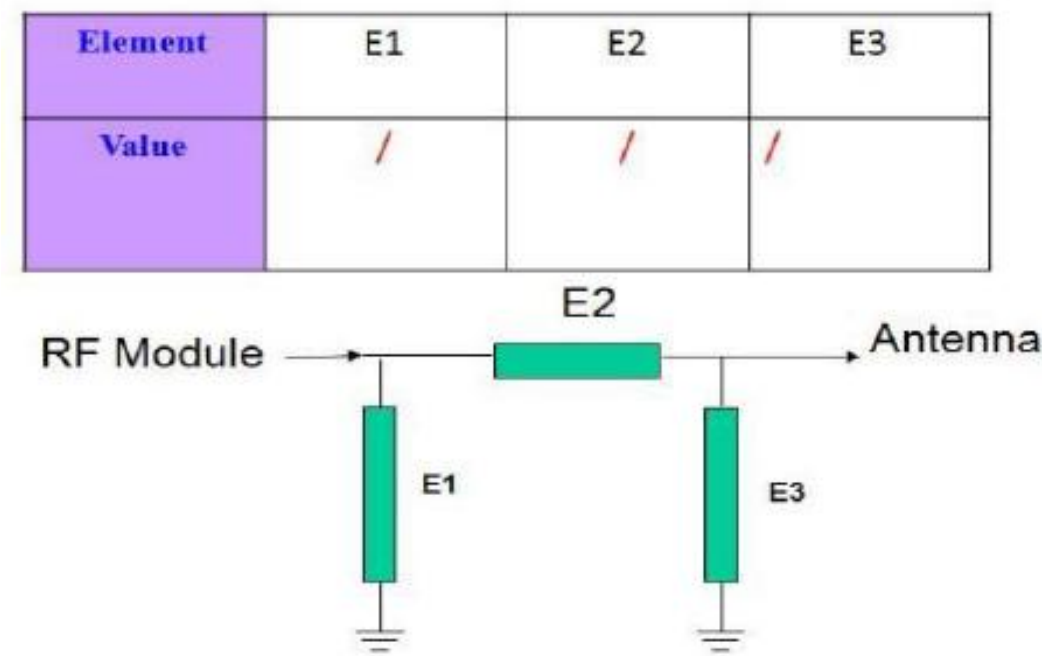
operating temperature:	-40~85℃	storage temperature	25℃±5℃
operating humidity	40%~95%	unit weight:	/
Storage Humidity	40%~75%	working scenario:	outdoor
temperature stability	±20PPM/℃	environmental protection feature	RoHS Satisfy

Mechanical parameter

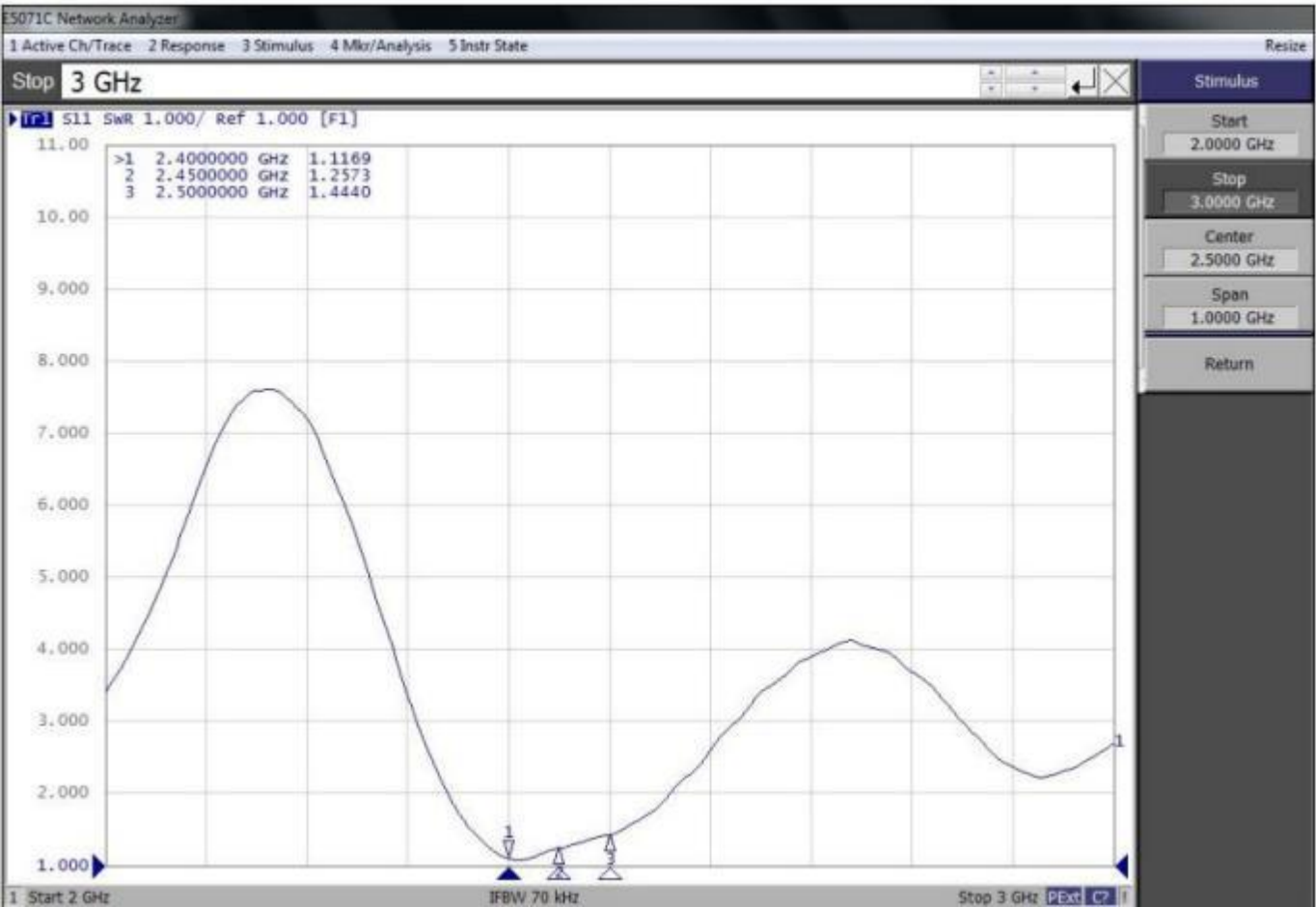
Index type	Index index
------------	-------------

尺寸 Measure	/
接口类型 Interface type	/
线缆 Wire cable	/
颜色 Colour	Green

test resolution



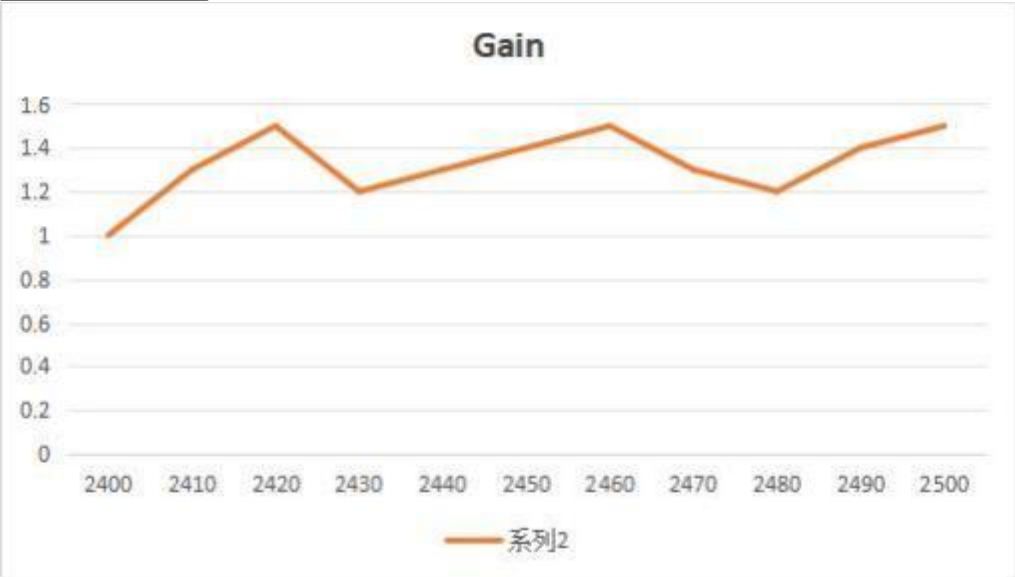
performance test
standing-wave ratio (SWR)



data table

Freq/MHz	2.4	2.45	2.5
VSWR	1.1	1.2	1.4

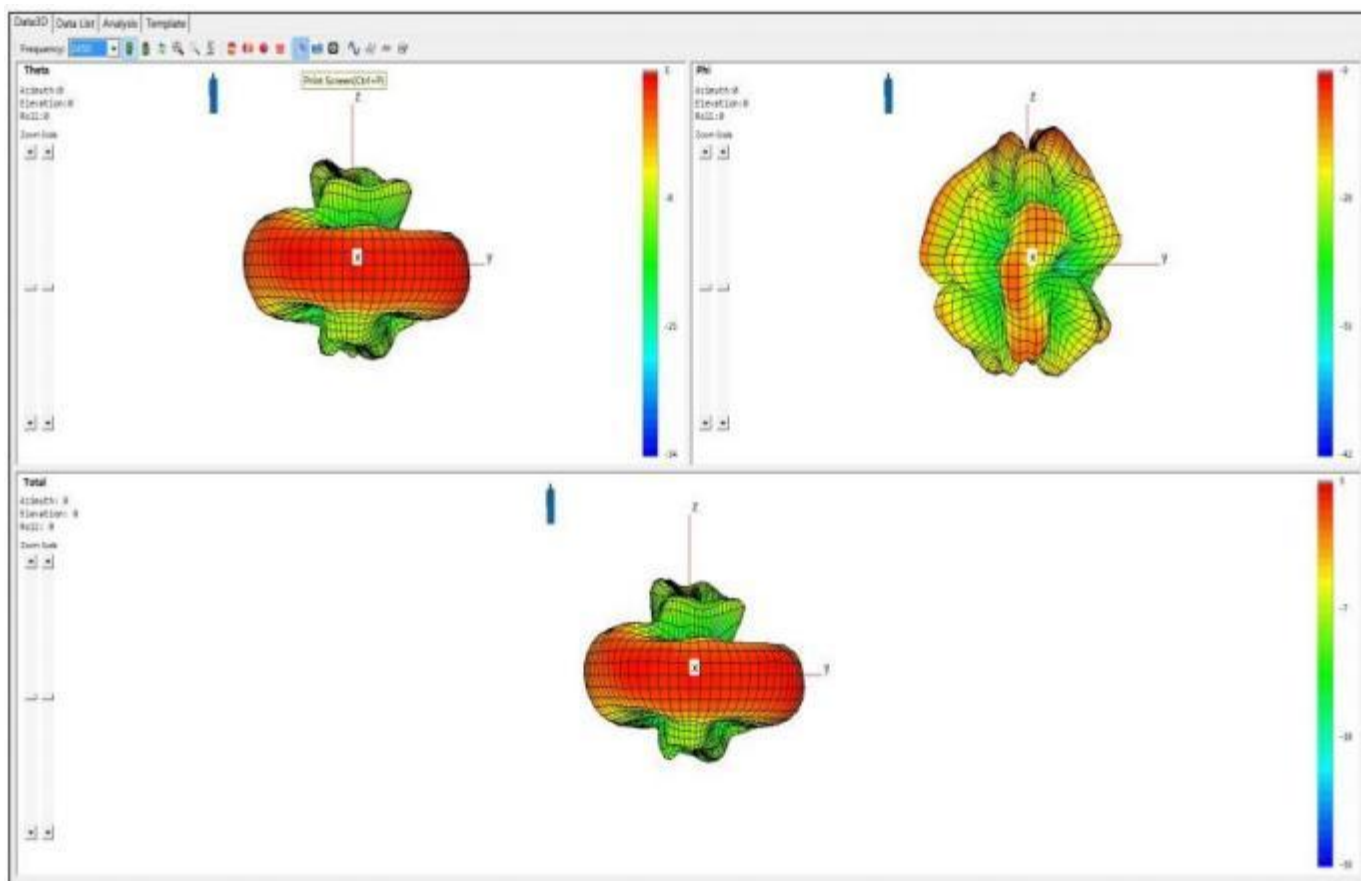
Passive testing



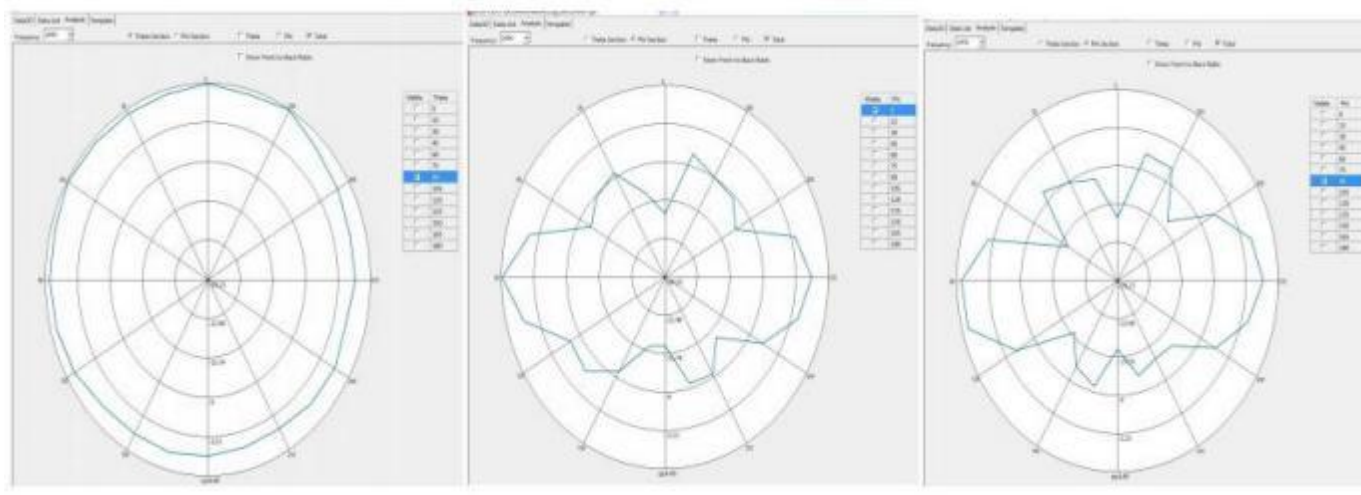


Freq (MHz)	Gain(dBi)	Efficiency_P_cent (%)
2400	1	34.50566
2410	1.3	42.24053
2420	1.5	32.01915
2430	1.2	41.30707
2440	1.3	39.75789
2450	1.4	38.49454
2460	1.5	38.79964
2470	1.3	39.79058
2480	1.2	38.24787
2490	1.4	36.34645
2500	1.5	35.62744

3D Map



2D Figure



structure chart

