

SPECIFICATION

Shenzhen new core electronics Co., LTD

Shenzhen Xinlianxin Electronic Co., Ltd.

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Antenna Production Certificate

Guest House	Tianjian Yinzheng Co., Ltd.	FrequencySegment	BT: 2402 MHz - 2480 MHz
Project Name	TAH2209		
Project Number	TAH2209	Yan Colour	green
R F Design	Li Feng	"conclusionStructure	Li Feng
Technical Director	Li Feng	Day Period	2024-09-10
Antenna type	PCB Antenna	Model	TAH2209
Company address	5th Floor, Building A1, Hangcheng Jinchi Industrial Park, North Eighth Road, Hezhou Bridge, Baoan District, Shenzhen		

Customer confirmation:

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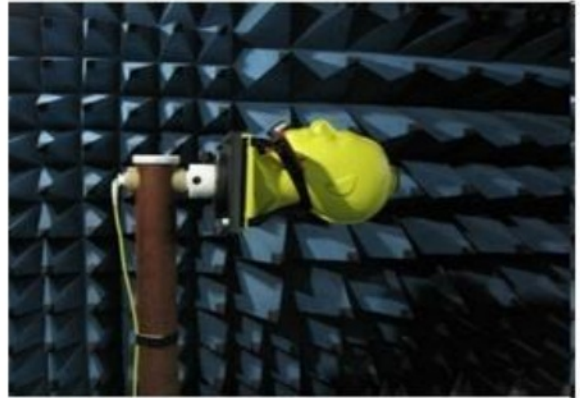
I. Test Environment

1. Test system

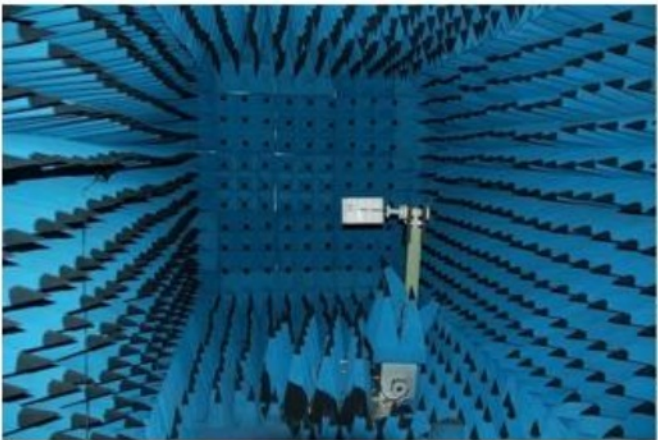
chamber



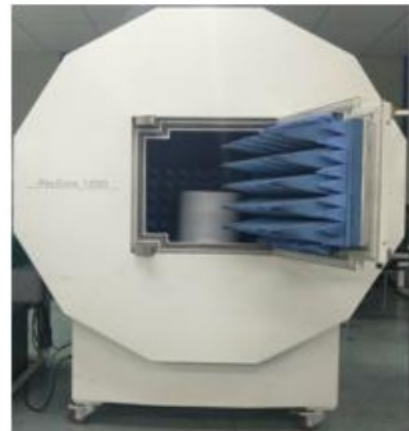
Satimo



Airlink



Guang Ping



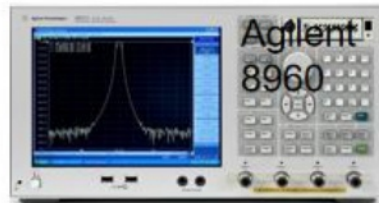
GTS

2.测试仪器

equipment



R&S
CMW500



Agilent
8960



Anritsu
MT8820C



Agilent
N4010A



Agilent
E4438C
Signal
Generator

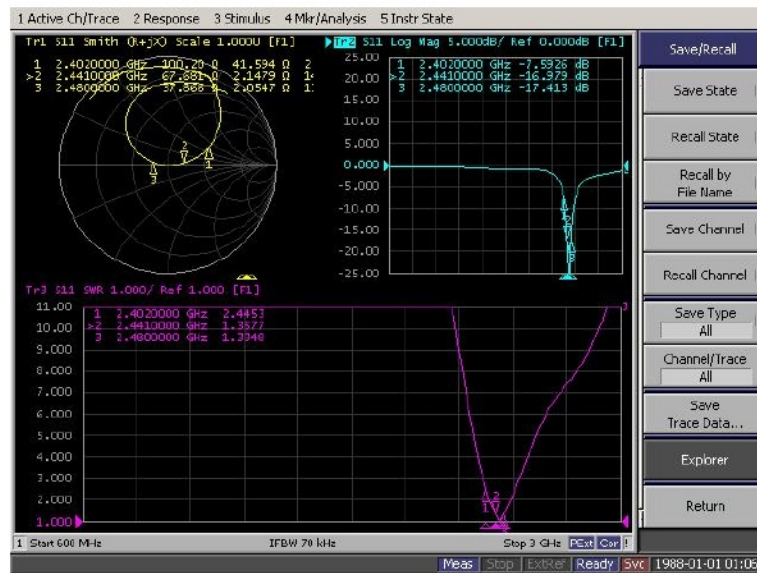


Agilent
E5071C



II. Passive Test Data

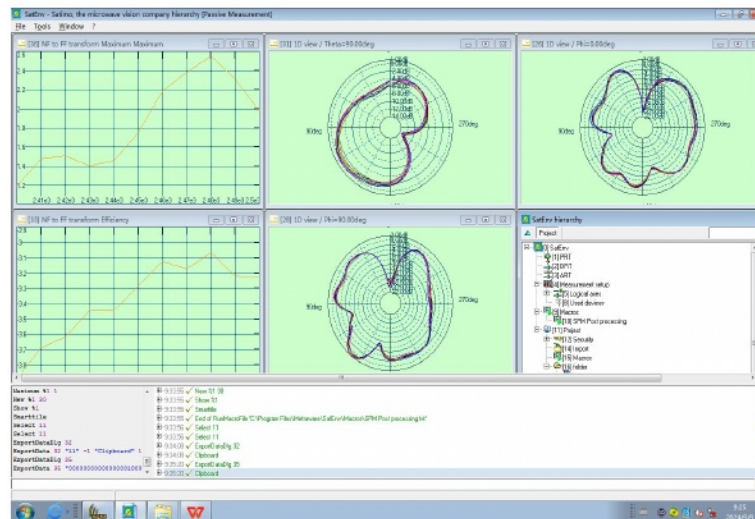
1. S Parameters



2. Passive Efficiency and Gain

Frequ ency (MH)	Effici ency (%)	Effici ency (dB)	Gain (dBi)
2400	41%	-3.89	1.19
2410	43%	-3.69	1.48
2420	43%	-3.62	1.51
2430	45%	-3.44	1.41
2440	45%	-3.44	1.46
2450	47%	-3.28	1.75
2460	49%	-3.12	2.19
2470	48%	-3.17	2.38
2480	49%	-3.07	2.55

3. Passive pattern (free space)



III. Active Test Data

1. TRP&TIS

Free space

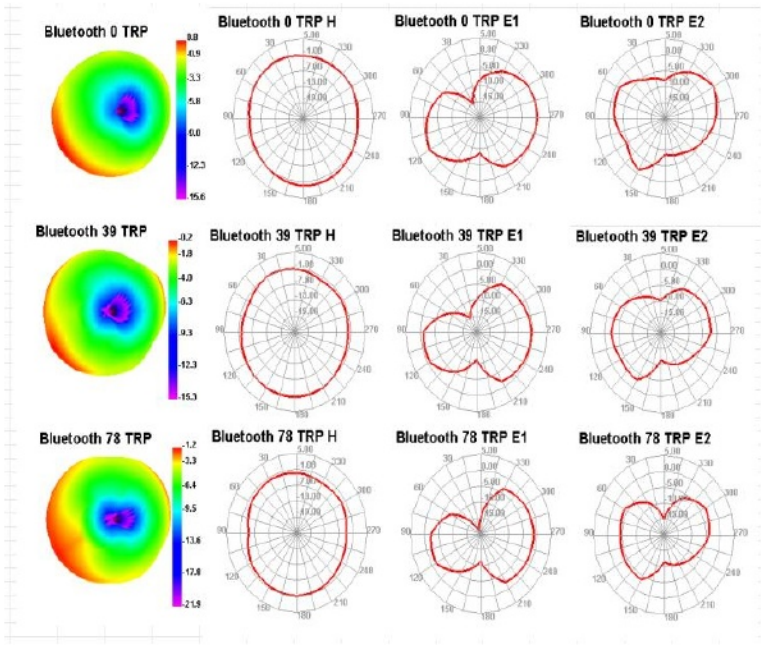
Chan nel C H	TRP (d Bm)	TIS (d Bm
0	-2.08	-78.08
39	-2.95	-81.99
78	-3.76	-82.07

Human head and ear

Chan nel C H	TRP (d Bm)	TIS (d Bm
0	-3	-77.28
39	-3.9	-82.65
78	-4.54	-82.41

2. Directional diagram

Free space



Human head and ear

