

SPECIFICATION

Shenzhen Strongpower Communication Co., Ltd

ShenzhenStrongpowerCommunicationCo., Ltd. Steel Left Bluetooth Aatenna SPECIFICATION

Customer	联创	Frequency Band	2402MHz-2480MHz
Model	Steel	Antenna type	FPC antenna
Antenna model	Steel-BT-L	Color	Black
RF designer	He Yibai	Structural engineer	Zhou Jun
Technical director	Fu Yicheng	Date	2024-10-28

Confirm by customer:

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Confidentiality requirements

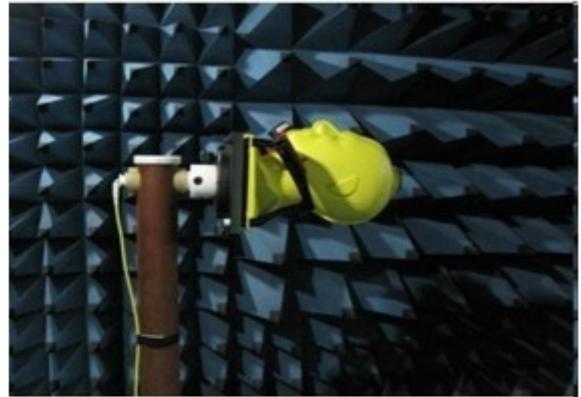
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1. The Equipment of Active&Passive Test

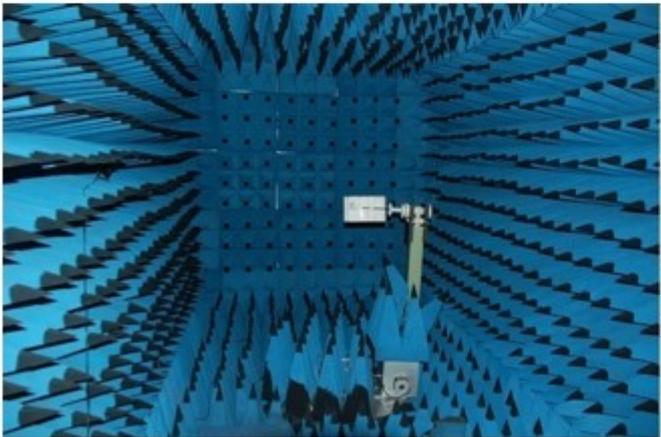
chamber



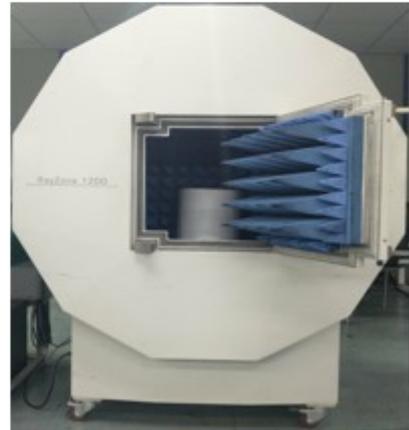
Satimo



Airlink



Guang Ping



GTS

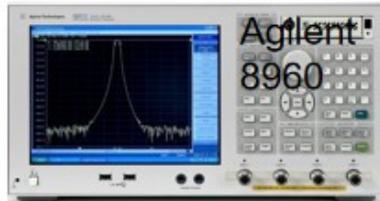
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equipment



R&S
CMW500



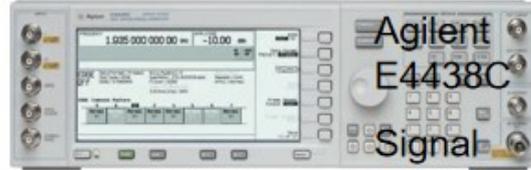
Agilent
8960



Anritsu
MT8820C



Agilent
N4010A



Agilent
E4438C
Signal
Generator

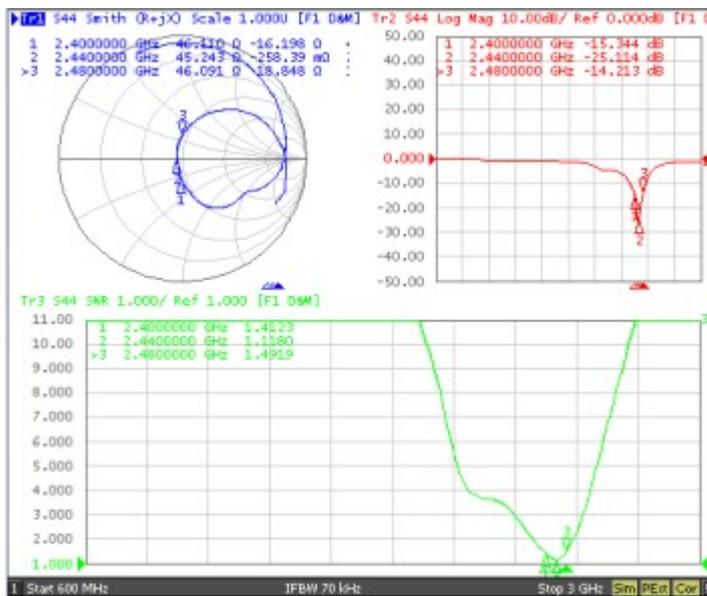


Agilent
E5071C



2. Passive Test

2.1 S Parameters, VSWR, Return loss, Smith Chart



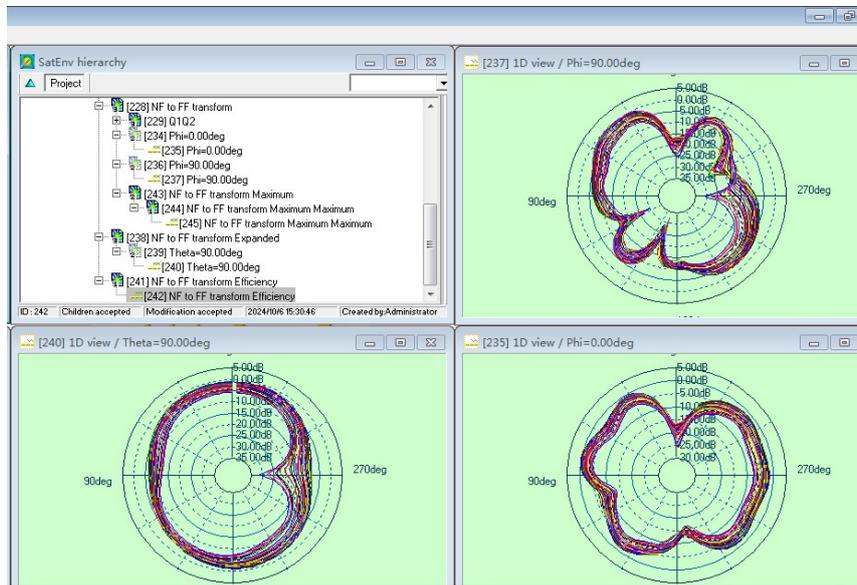
2.2 Passive Efficiency and Gain

频率 (MHz)	效率 (%)	效率 (dB)	增益 (dBi)
2400	29.08%	-5.36	-0.27
2410	30.25%	-5.19	0.04
2420	30.07%	-5.22	-0.11
2430	31.09%	-5.07	-0.06
2440	30.04%	-5.22	-0.20
2450	30.44%	-5.17	-0.11
2460	29.61%	-5.28	-0.05
2470	28.58%	-5.44	0.20
2480	27.65%	-5.58	0.09

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2.3 Passive pattern



3.Active test

3.1 TRP&TIS

FS

信道 CH	TRP (dBm)	TIS (dBm)
0	4.31	-90.53
39	4.05	-90.28
78	4.02	-90.26

HR

信道 CH	TRP (dBm)	TIS (dBm)
0	-4.5	-83.56
39	-4.04	-84.01
78	-4.28	-83.38

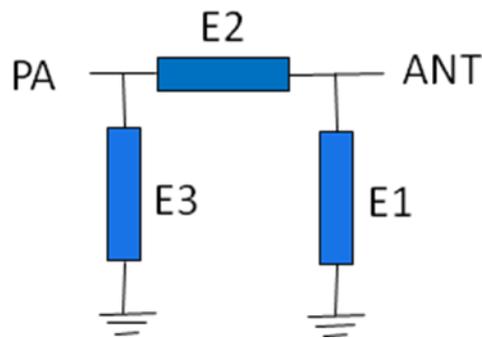
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4. Matching Circuit

Left&Right are the same

Element	E1	E2	E3
Value	NC	1.8NH	NC



5. Drawings

(next page)

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