

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:

INDEXES

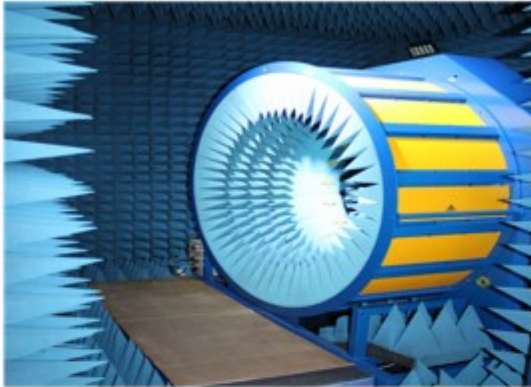
1. The equipment of Active&Passive test.....	3-4
2. Passive test..	5-6
2.1 S Parameters..	5
2.2 Passive Efficiency and Gain	5
2.3 Passive pattern.....	6
3.Active test..	6
3.1 TRP&TIS test.....	6
4. Matching Circuit.....	7
5. Drawings.....	8

Confidentiality requirements

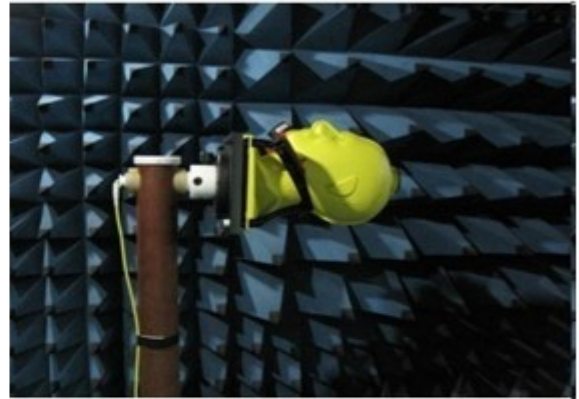
Strongpower Communication Co., Ltd. has the information provided by proprietary technology, which shall be kept strictly confidential and shall not be disclosed to any person or company without the prior written consent of Strongpower Communication Technology Co., Ltd.

1. The Equipment of Active&Passive Test

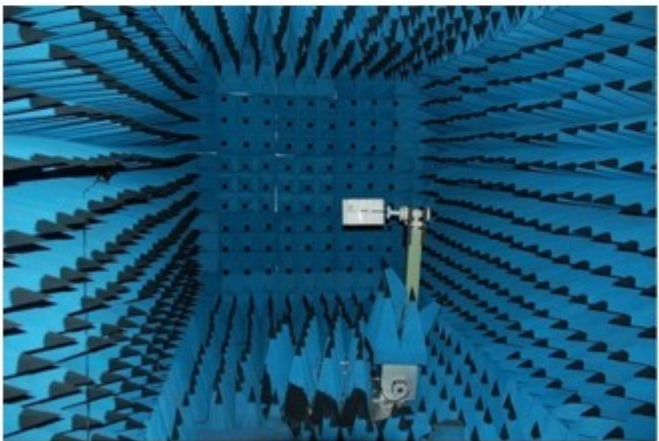
chamber



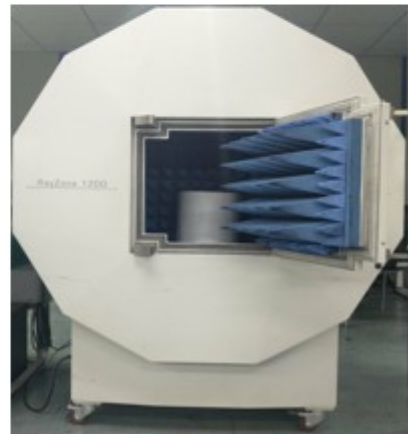
Satimo



Airlink



Guang Ping



GTS

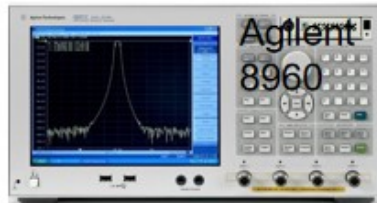
Confidentiality requirements

Strongpower Communication Co., Ltd. has the information provided by proprietary technology, which shall be kept strictly confidential and shall not be disclosed to any person or company without the prior written consent of Strongpower Communication Technology Co., Ltd.

equipment



R&S
CMW500



Agilent
8960



Anritsu
MT8820C



Agilent
N4010A



Agilent
E4438C
Signal
Generator



Agilent
E5071C

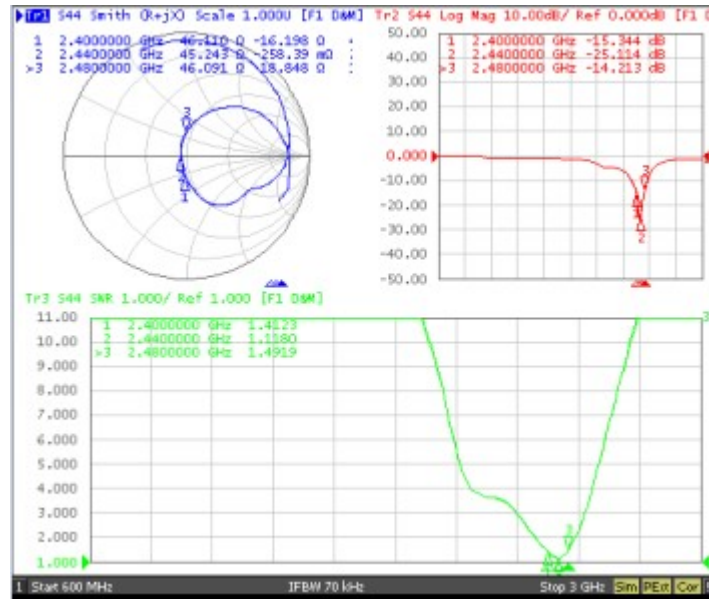


Confidentiality requirements

Strongpower Communication Co., Ltd. has the information provided by proprietary technology, which shall be kept strictly confidential and shall not be disclosed to any person or company without the prior written consent of Strongpower Communication Technology Co., Ltd.

2. Passive Test

2.1 S Parameters, VSWR, Return loss, Smith Chart



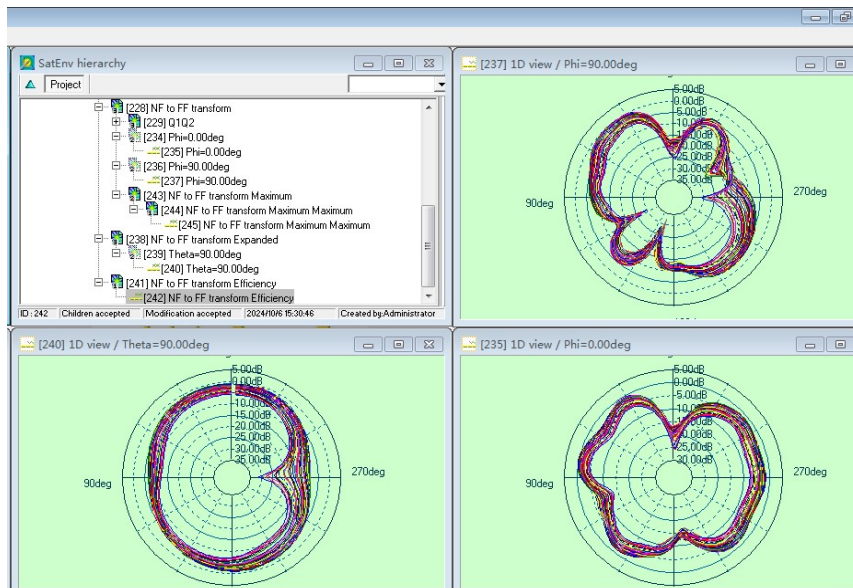
2.2 Passive Efficiency and Gain

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

Confidentiality requirements

Strongpower Communication Co., Ltd. has the information provided by proprietary technology, which shall be kept strictly confidential and shall not be disclosed to any person or company without the prior written consent of Strongpower Communication Technology Co., Ltd.

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

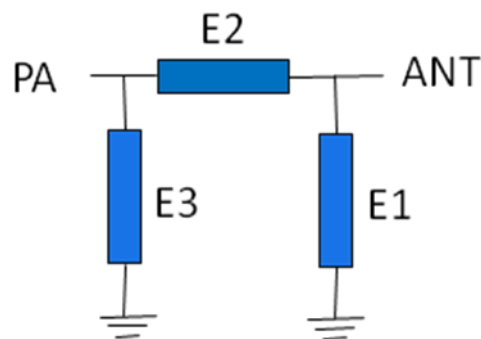
Confidentiality requirements

Strongpower Communication Co., Ltd. has the information provided by proprietary technology, which shall be kept strictly confidential and shall not be disclosed to any person or company without the prior written consent of Strongpower Communication Technology Co., Ltd.

4. Matching Circuit

Left&Right are the same

Element	E1	E2	E3
Value	NC	1.8NH	NC



5.Drawings

(next page)

Confidentiality requirements

Strongpower Communication Co., Ltd. has the information provided by proprietary technology, which shall be kept strictly confidential and shall not be disclosed to any person or company without the prior written consent of Strongpower Communication Technology Co., Ltd.