SPECIFICATION

Shenzhen Strongpower Communication Co., Ltd

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Steel Right Bluetooth Aatenna

SPECIFICATION

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

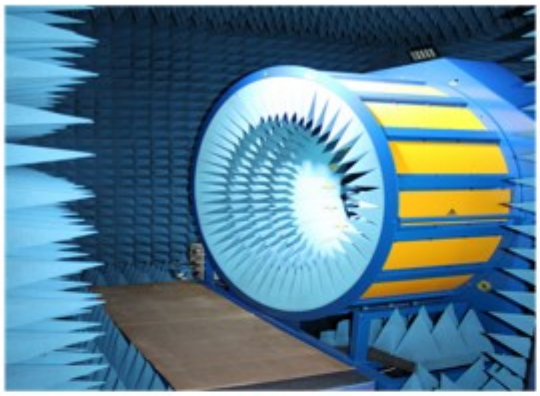
Confirm by customer：

Address：Room 502, Building W2-A, Gaoxin South Fourth Road, Nanshan District, Shenzhen

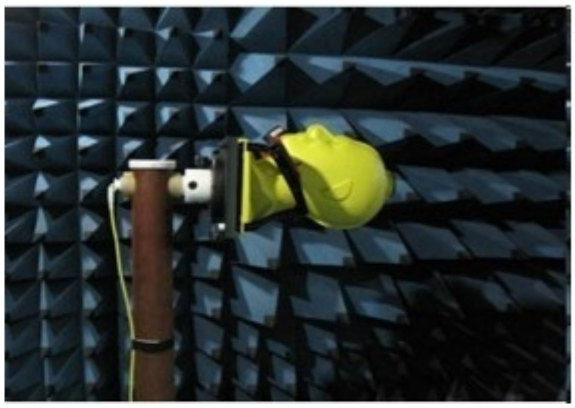
INDEXES

1. The Equipment of Active&Passive Test

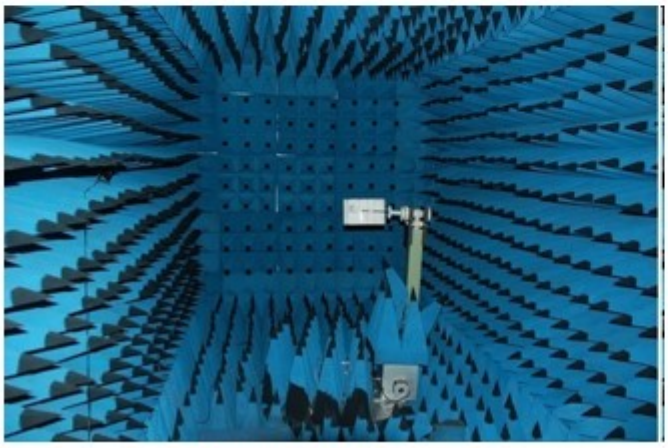
chamber



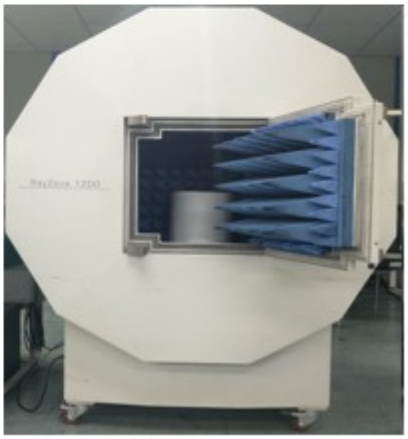
Satimo



Airlink



Guang Ping

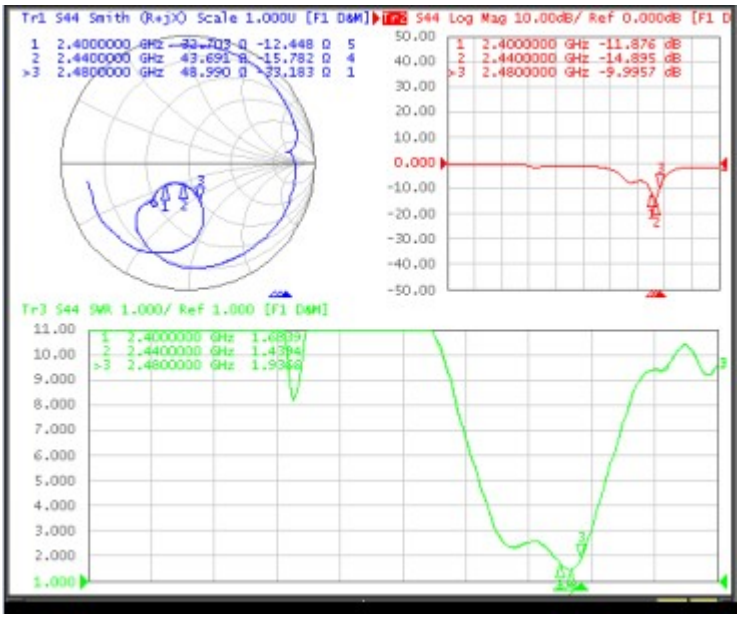


GTS

equipment

2. Passive Test

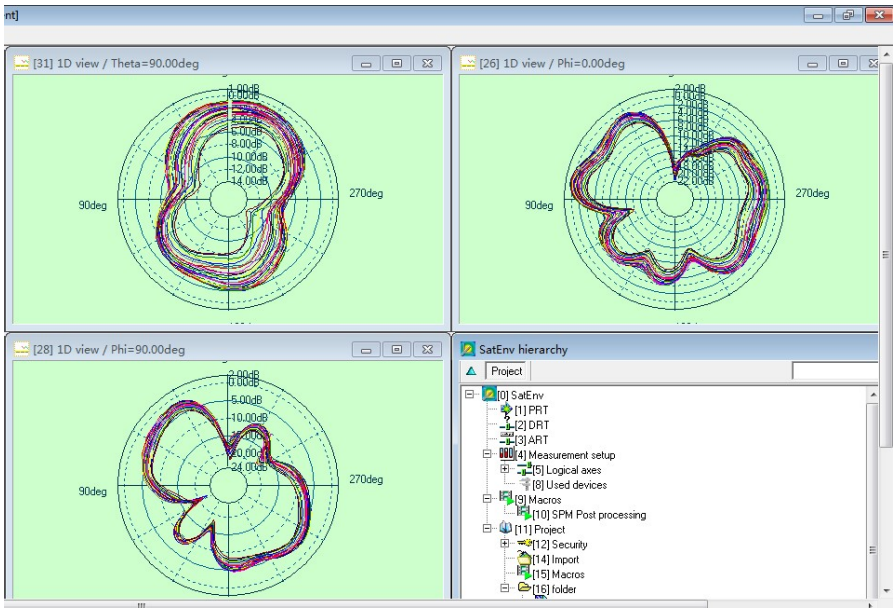
2.1 S Parameters，VSWR，Return loss，Smith Chart



2.2 Passive Efficiency and Gain

频率(MHz)	效率(%)	效率(dB)	增益(dBi)
2400	35.03%	-4.56	-0.08
2410	34.97%	-4.56	0.05
2420	33.77%	-4.72	-0.29
2430	33.76%	-4.72	-0.46
2440	32.39%	-4.90	-0.53
2450	32.36%	-4.90	-0.40
2460	31.31%	-5.04	-0.36
2470	30.49%	-5.16	-0.22
2480	29.83%	-5.25	-0.25

2.3 Passive pattern



3.Active test

3.1 TRP&TIS

FS

信道 CH	TRP (dBm)	TIS (dBm
0	4.94	-90.92
39	5.05	-91.06
78	5.06	-91.19

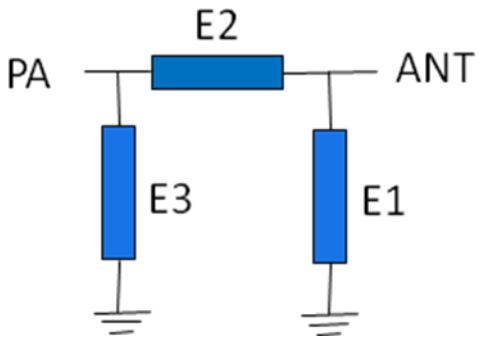
HR

信道 CH	TRP (dBm)	TIS (dBm
0	-4.01	-83.39
39	-4.45	-83.86
78	-4.62	-83.85

4. Matching Circuit

Left&Right are the same

Element	E1	E2	E3
Value	NC	2.7NH	1PF



5.Drawings

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