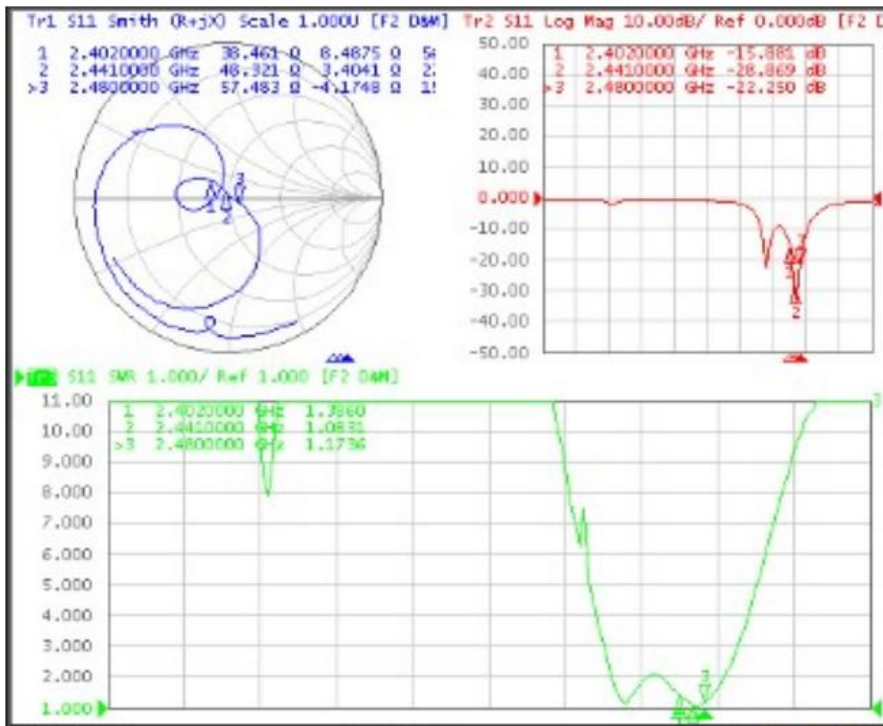

Antenna Manufacturer	Shenzhen Strong power Communication Co
Manufacturing Address	Room 502, Building W2-A, Hi-Tech Industrial Park, Hi-Tech South 4th Road, Nanshan District, Shenzhen, China
Operating frequency band	2400MHz-24835MHz
Antenna Type	FPC Antenna
Antenna Name	BT Antenna

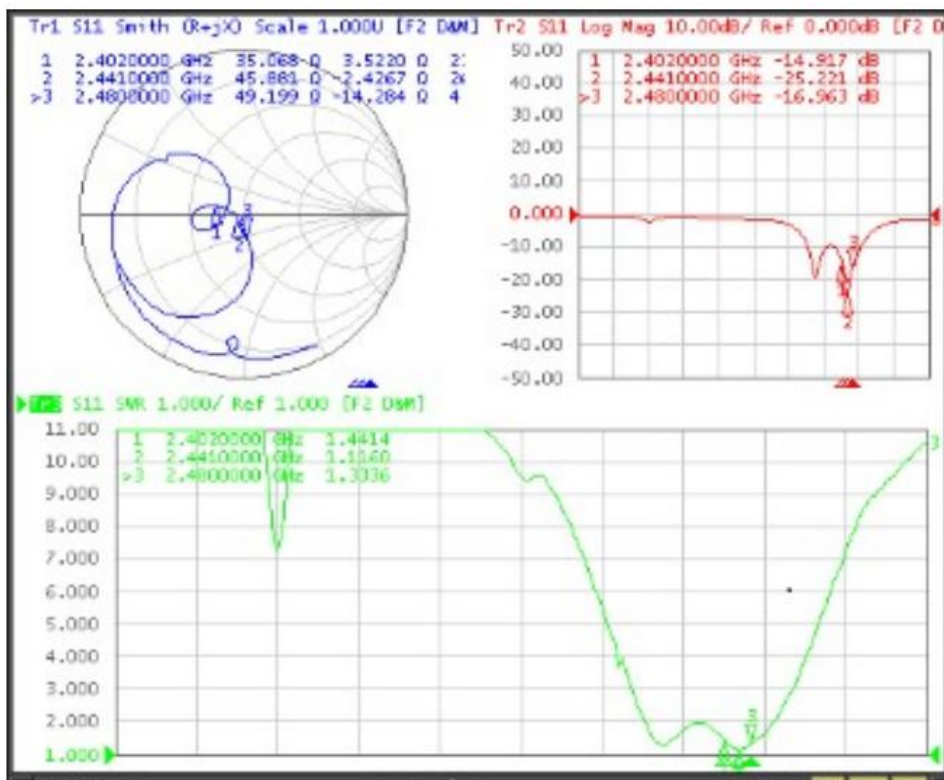
1. Passive Test

1.1 S Parameters, VSWR, Smith Chart

Antenna VSWR-Left ear



Antenna VSWR- Right ear



1.2 Passive Efficiency and Gain

Antenna Efficiency- Left ear

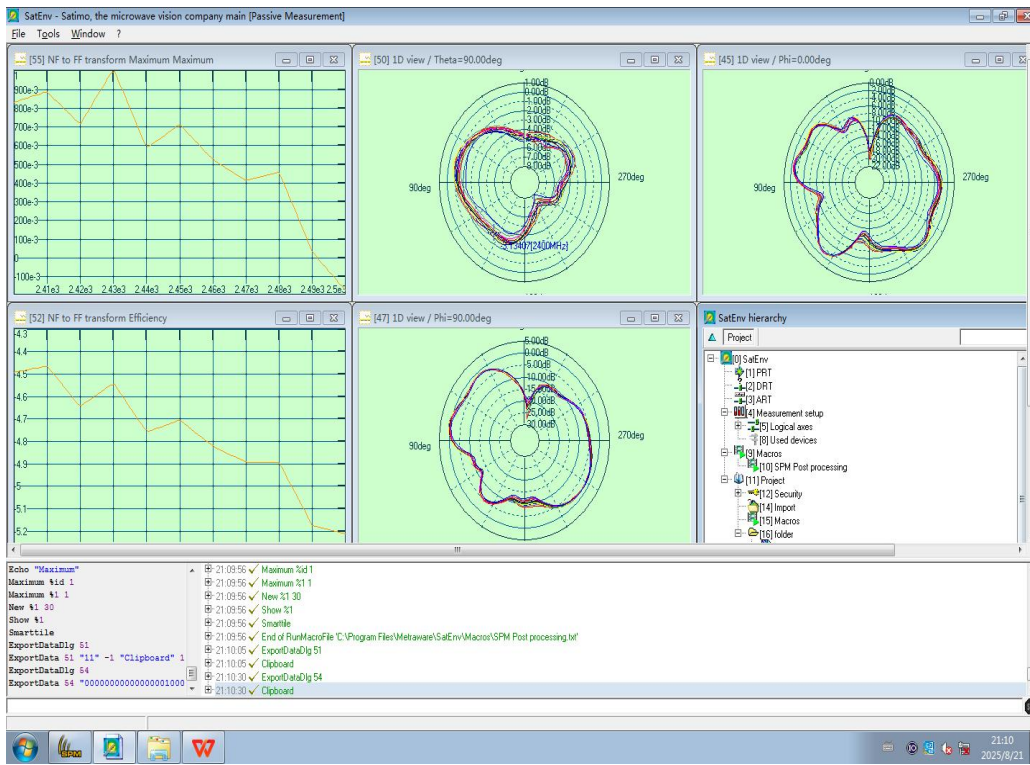
Frequency/Mhz	Efficiency/%	Efficiency/dB	Gain/dBi
2400	35.54	-4.49	0.83
2410	35.78	-4.46	0.89
2420	34.32	-4.64	0.71
2430	35.15	-4.54	1.01
2440	33.43	-4.76	0.59
2450	33.84	-4.71	0.71
2460	32.96	-4.82	0.53
2470	32.41	-4.89	0.41
2480	32.4	-4.9	0.46

Antenna Efficiency- Right ear

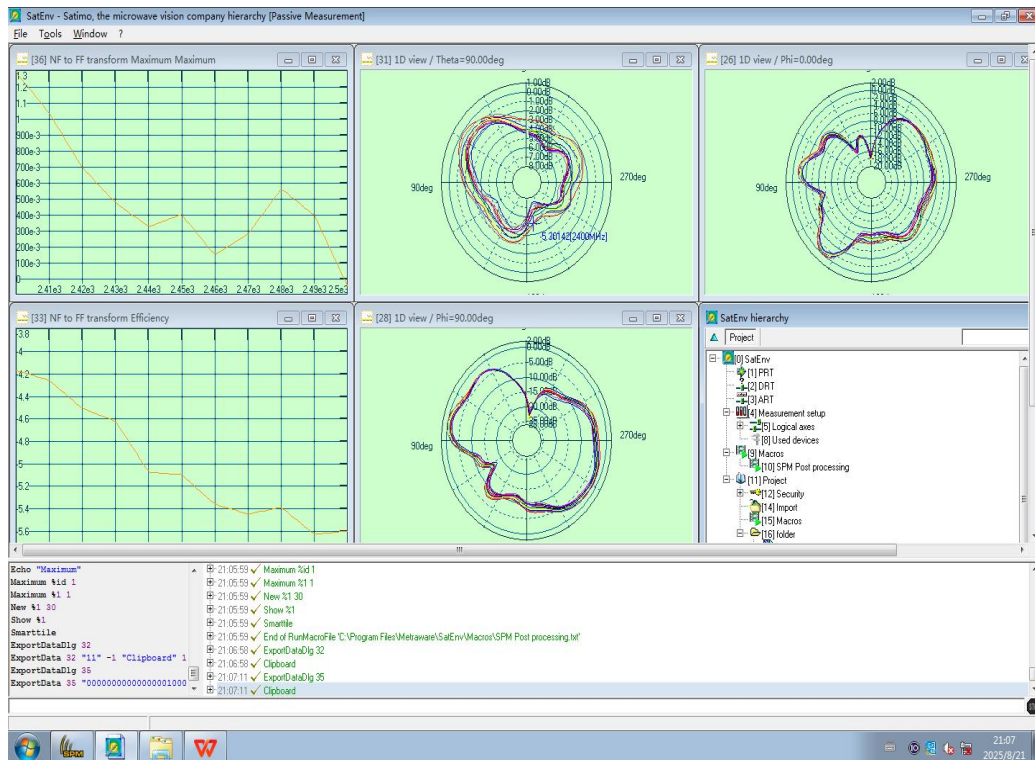
Frequency/Mhz	Efficiency/%	Efficiency/dB	Gain/dBi
2400	38.3	-4.17	1.29
2410	37.54	-4.25	1.04
2420	35.44	-4.5	0.7
2430	34.52	-4.62	0.48
2440	31.09	-5.07	0.33
2450	30.93	-5.1	0.4
2460	29.11	-5.36	0.15
2470	28.54	-5.45	0.28
2480	28.92	-5.39	0.57

1.3 Passive pattern

Left ear



Right ear



2.Engineering drawing

Left ear (Size: 14.83*12.37mm)

1 2 3 4 5 6 7 8

A

黑色哑光油墨印刷白色字体
Black matte ink prints white lettering
PE膜整板半切出货
The PE film shall be delivered with full-sheet half-cut processing.

B

C

1.  Copper;  Base material;  Gilded Area;  Adhesive backing;

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3. The surface should not have dirt, abrasions, black spots, fracture and falling off after gold plating;

4. Material: FPC single sideboard (PI (BD) A pair and a half of Base material + Adhesive (3M 9471 0.15mm) + Surface Black ink (优力) (>0.01mm));

5. Reverse adhesive backing 3M 9471;

6. The surface of the gold finger is gilded (thickness: 0.5μ-1.5μ), There should be no oxidation (Salt spray test is required). After 48±1 hours of salt spray experiment, there were no corrosion spots on the surface and the coating fell off;

7. * is the key size, and the tolerance is not marked, please check according to the B-level tolerance.

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Date 1 2 3 4 5 6 7 8

Revise the contents Version Revisions

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A

B

C

D

RF PA

0.10 ±0.10

10.20 ±0.12

20.40 ±0.15

40.50 ±0.20

location

0.02

0.03

0.02

0.04

0.02

Models

NO2

RT-L-FPC

Date

2025.10.24

Design

ME

RF

Material

PI

Die face

Confirm

Test/Sign

Appearance

treatment

Unit

mm

Inspection

FIT

version

V8

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Shenzhen Strongpower Communication Co., Ltd

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Models

NO2

RT-L-FPC

<

Right ear (Size: 14.83*12.37mm)

黑色哑光油墨印刷白色字体
Black matte ink prints white lettering
PE模整板半切出货
The PE film shall be delivered with full-sheet half-cut processing.

1 2 3 4 5 6 7 8

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B

C

1.  Copper;  Base material;  Gilded Area;  Adhesive backing;

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3. The surface should not have dirt, abrasions, black spots, fracture and falling off after gold plating;

4. Material: FPC single sideboard (PI (EP) A pair and a half of Base material + Adhesive (3M 9471 0.15mm) + Surface Black ink (优力) (>0.01mm));

5. Reverse adhesive backing 3M 9471;

6. The surface of the gold finger is gilded (thickness: 0.5μ~1.5μ), There should be no oxidation (Salt spray test is required). After 48±1 hours of salt spray experiment, there were no corrosion spots on the surface and the coating fell off;

7. * is the key size, and the tolerance is not marked, please check according to the B-level tolerance.

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