



Antenna specification

Shenzhen Guandetong Electronic Limited

D30, No. 1, Xiawei Industrial Zone, Zhangkeng
Jing Community, Guanhu Street, Longhua
District, Shenzhen



Date: June 2, 2024

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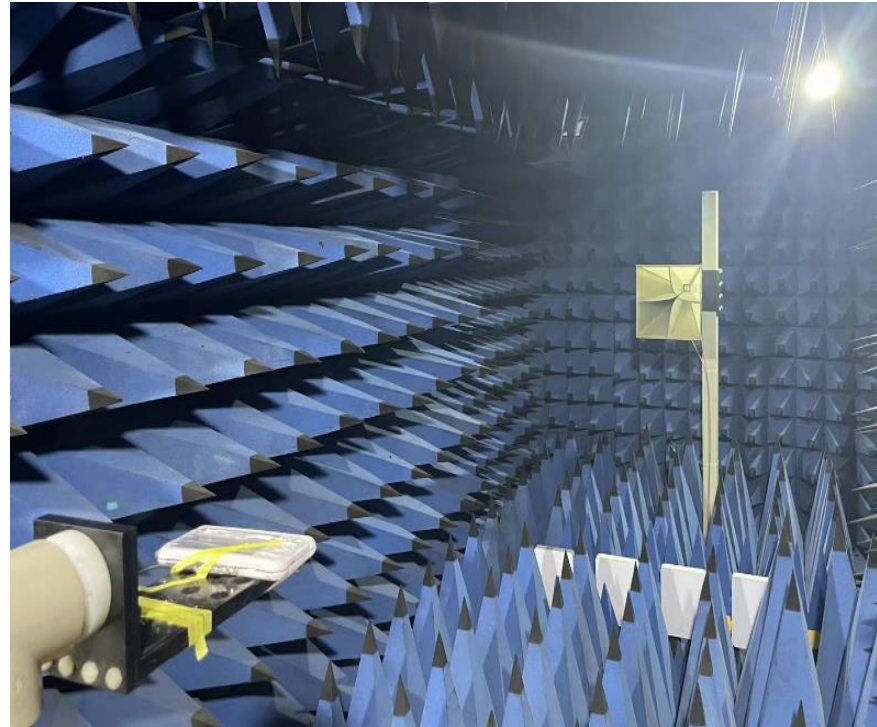
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1.Introduction to Project Debugging

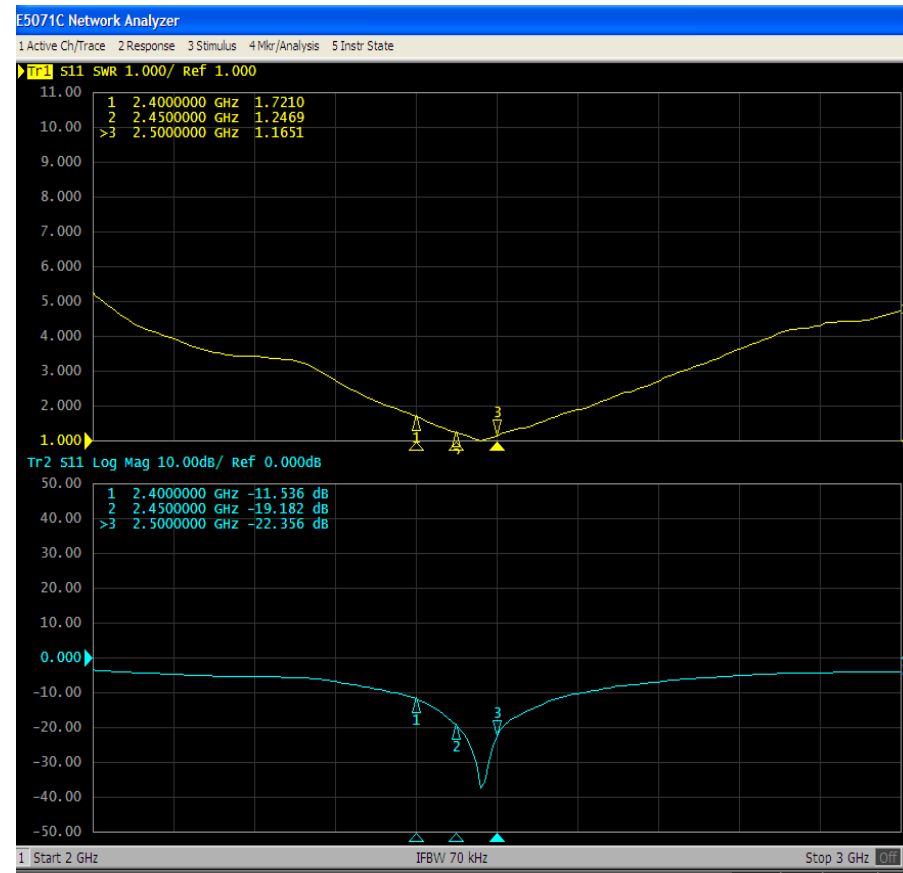
Customer Name		JUXING		Project Name		BM01	
model		Monitor		Antenna material		FPC	
Antenna Overview	Main antenna	Antenna frequency band		Antenna status	Antenna status	Antenna form	Is the antenna configuration changed
		2G					
		3G					
		4G					
	Other antennas	WIFI	2400-2500MHz	FPC	Bottom shell	PIFA	NO

2.testing environment

Integrated measuring instrument	E5071C
Darkroom	No.1 darkroom
Testing Engineer	Dr.Zhou
temperature	25°C
humidity	65% (RH)



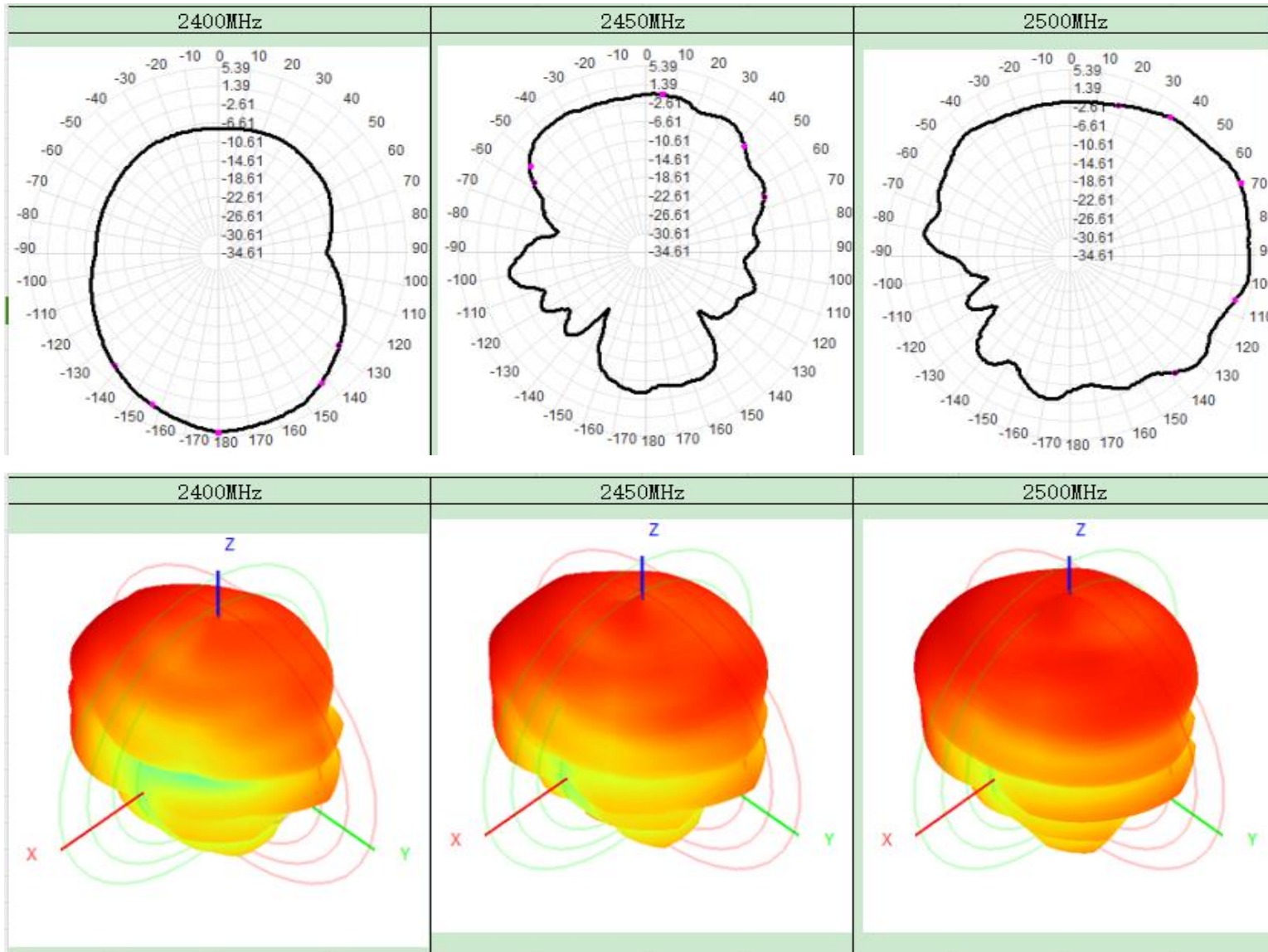
3.VSWR Test - Monitor



PeakGain(dBi)&Efficiency(%)-Monitor

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	5.33	5.50	5.45	5.38	5.49	5.39	5.32	5.41	5.29	5.23	5.11
Efficiency (%)	50.36	53.23	53.49	54.34	56.49	57.32	55.30	56.20	53.46	51.09	50.19

4. Antenna 2D.3D-Monitor



5. Monitor assembly diagram



D

C

B

A

D

C

B

A

1

2

3

4

5

6

7

8

39.4

9.5

100.0±3.0

AN2400-FPC394095

①

②

③

Note:

- 1.Mark* is important dimension;"Cpk "Identify for process control($CpK \geq 1.33$).
- 2.Tolerance:Unmarked tolerance refer to the standard tolerance please.
- 3.Pay attention to the direction of the connector.

3	CR-113-ZP-A	I-PEX	Cu	Au Plated	1
2	CB-113B	Coaxial Cable	OD1.13	Black	1
1	AN2400-FPC394095-4	FPC		Black	1
No.	Part Number	Name	Material	Finish	Q'ty

Tengxiang Electronics Co., Ltd.

TITLE: Antenna

PART NO.: AN2400-FPC204BX

CUSTOMER P/N: /

APP BY

CHK BY

RF BY

DES BY

Tolerance

YCX

HC

VWJ

SYJ

UNITS: mm

SCALE: 1/1

REVISION: A

X.X

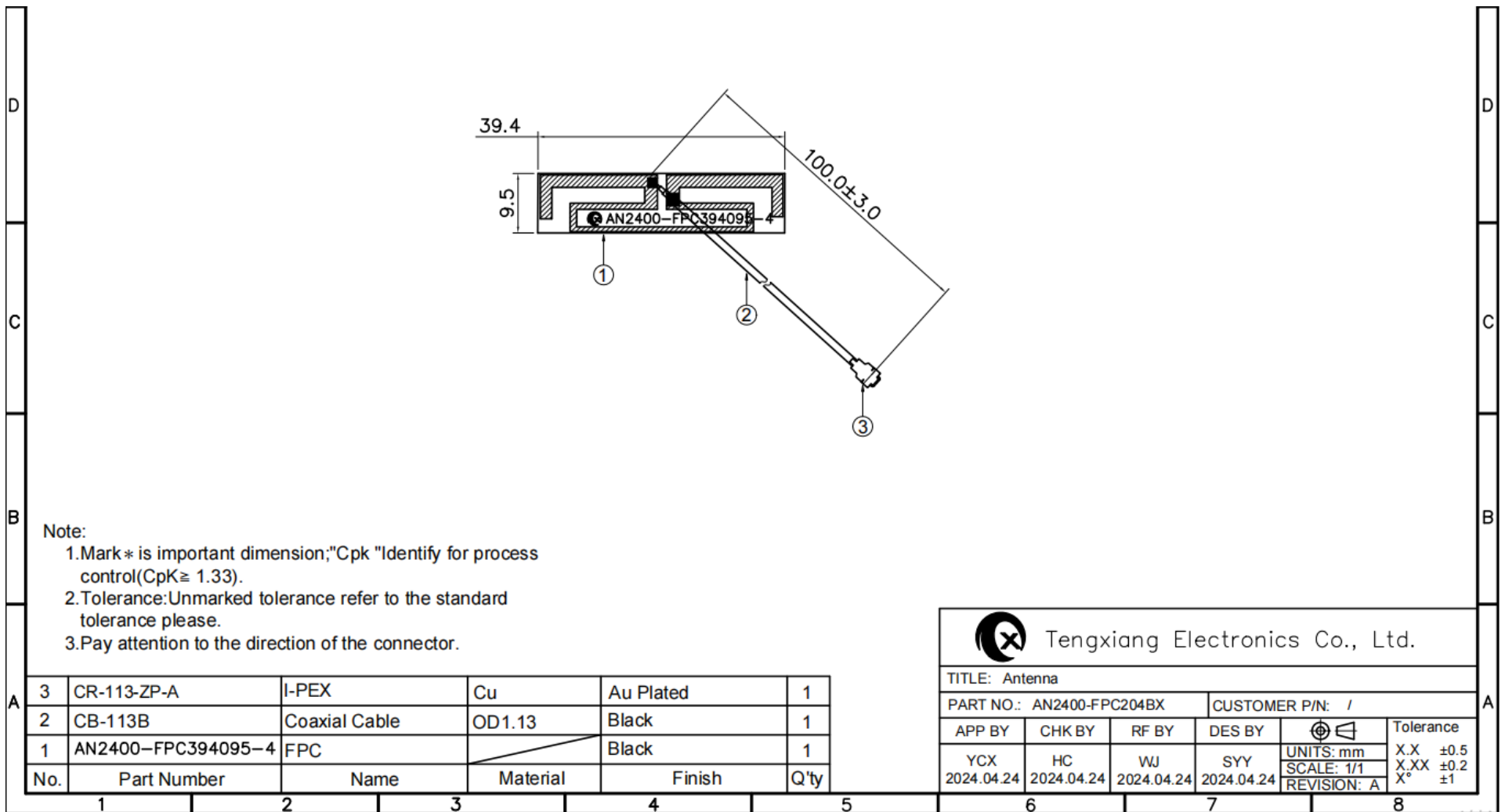
X.XX

X°

±0.5

±0.2

±1



D

C

B

A

D

C

B

A

1

2

3

4

5

6

7

8

39.4

9.5

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AN2400-FPC394095

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Tengxiang Electronics Co., Ltd.

TITLE: Antenna

PART NO.: AN2400-FPC204BX

CUSTOMER P/N: /

APP BY

CHK BY

RF BY

DES BY

Tolerance

X.X ±0.5

X.XX ±0.2

X° ±1

YCX

HC

VWJ

SYJ

UNITS: mm

SCALE: 1/1

REVISION: A

2024.04.24

2024.04.24

2024.04.24

2024.04.24

D

C

B

A

D

C

B

A

1

2

3

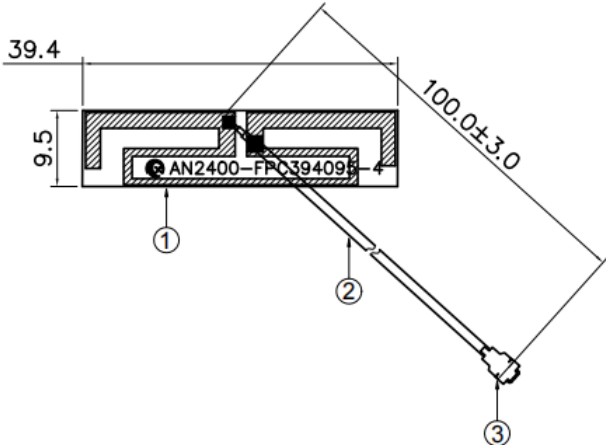
4

5

6

7

8



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No.	Part Number	Name	Material	Finish	Q'ty

Tengxiang Electronics Co., Ltd.

TITLE: Antenna			
PART NO.: AN2400-FPC204BX		CUSTOMER P/N: /	
APP BY	CHK BY	RF BY	DES BY
YCX	HC	VWJ	SYT
2024.04.24	2024.04.24	2024.04.24	2024.04.24
UNITS: mm			Tolerance X.X ±0.5 X.XX ±0.2 X° ±1
SCALE: 1/1			
REVISION: A			

D

C

B

A

D

C

B

A

1

2

3

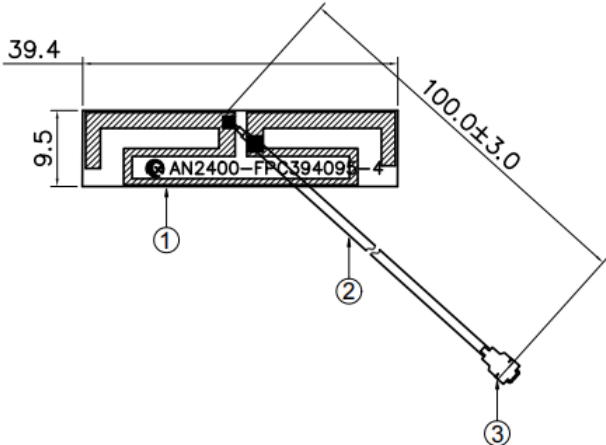
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No.	Part Number	Name	Material	Finish	Q'ty

 Tengxiang Electronics Co., Ltd.

TITLE: Antenna			
PART NO.: AN2400-FPC204BX		CUSTOMER P/N: /	
APP BY	CHK BY	RF BY	DES BY
YCX	HC	VWJ	SYU
2024.04.24	2024.04.24	2024.04.24	2024.04.24
UNITS: mm			Tolerance X.X ±0.5 X.XX ±0.2 X° ±1
SCALE: 1/1			
REVISION: A			

THANK YOU

