

SHENZHEN DIBITONG TELECOMMUNICATION TECHNOLOGY CO.,LTD.

2.4G antenna
Product design and manufacturing specifications

◆ Customer:

◆ Project: 2.4G SDR

◆ Name: Antenna

◆ Antenna materials: FPC+Cable

◆ Part no: YCDQ00263

◆ Designer:

◆ Check:

◆ Approved:

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List:

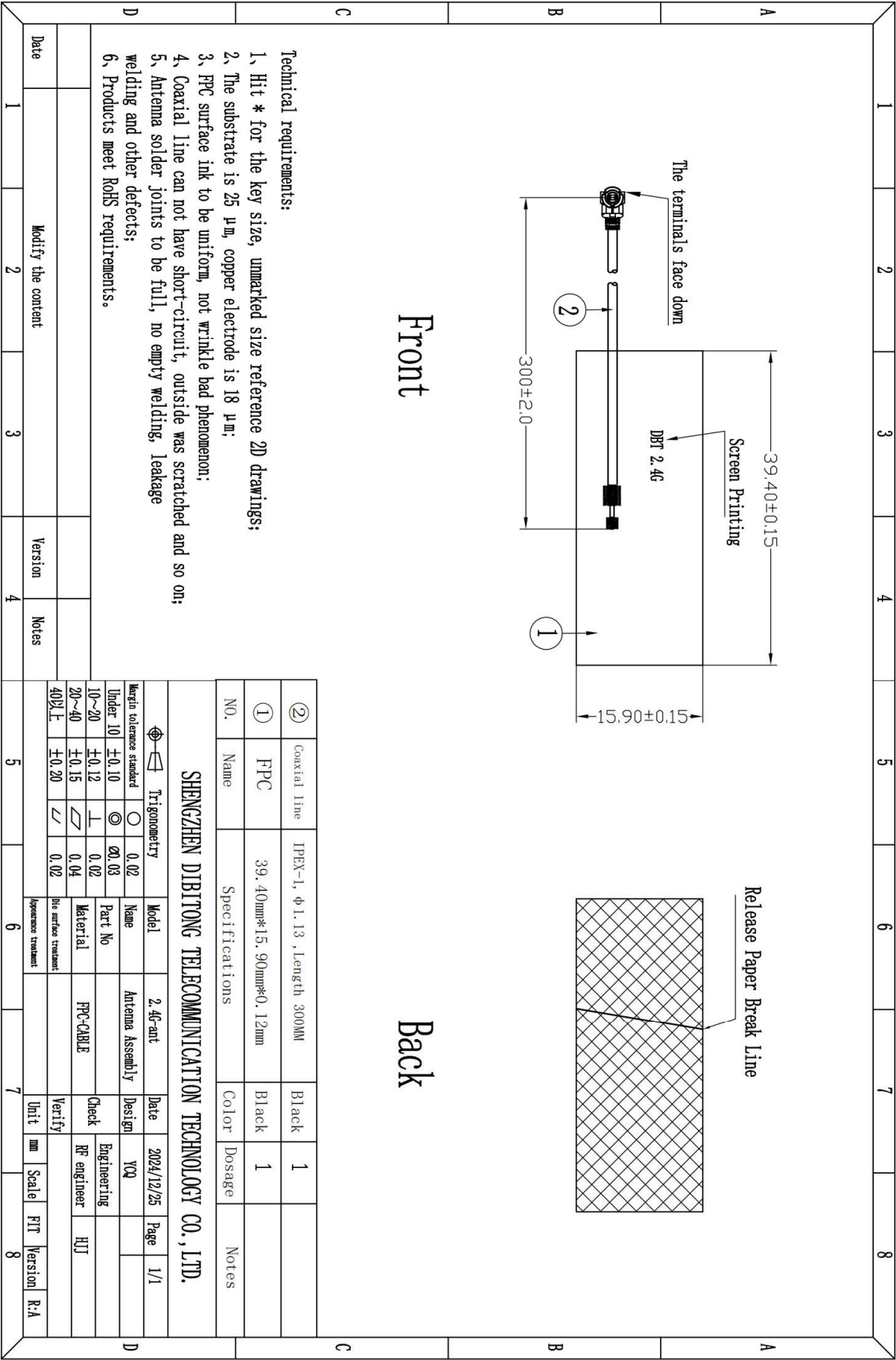
1. Antenna 2D diagram

2. Technical target

3. Dynamic test instruction

4. Antenna test report

1. Antenna 2D diagram



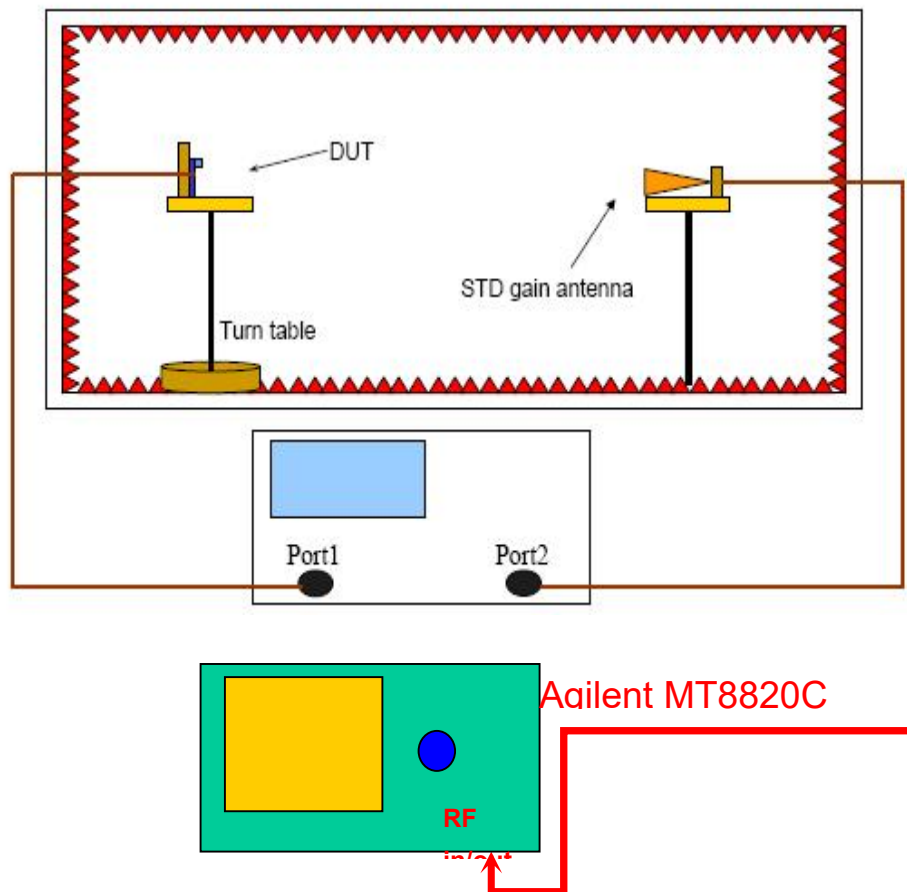
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2. Technical target

A. Electrical Parameter	
Frequency Range	2400~ 2500 MHz
VSWR	2400~ 2500 MHz: <2.0
Gain (Max)	2400~ 2500 MHz: 4.65dBi
Average radiation efficiency	2400~ 2500 MHz : 65%
Input Impedance	50 ohm
B. Material	
FPC+Cable	
C. Environmental Science	
Working Temperature	- 30°C ~ + 85 °C
Storage temperature	- 30°C ~ + 85 °C

3. Dynamic test instructions - Antennas are placed in electronic scales

Testing instrument : Anrits CMW500+ Anechoic Chamber 6X4X3m(3D-OTA)

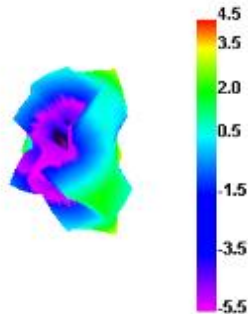


4. Antenna test report

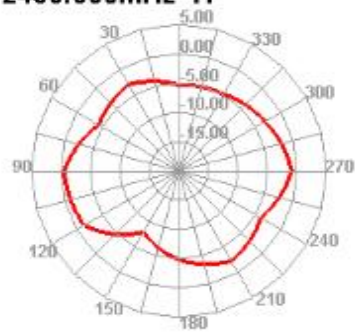
Passive Efficiency/Gain/Pattern

Freq (MHz)	Effi (%)	Gain (dBi)
2400	58.91	3.19
2410	59.21	3.57
2420	60.78	3.49
2430	67.5	4.34
2440	64.74	4.21
2450	70.21	4.49
2460	64.26	4.03
2470	68.44	4.33
2480	70.17	4.41
2490	67.35	4.39
2500	71.12	4.65

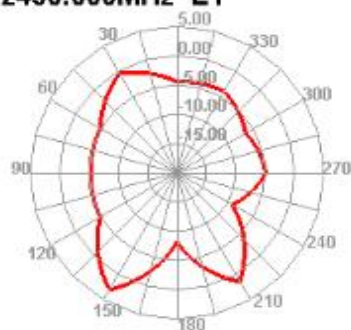
2450.000MHz



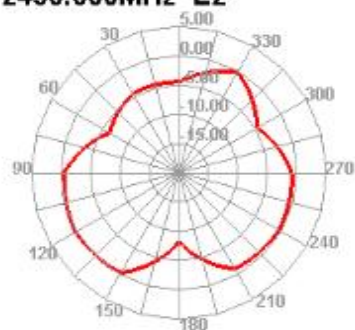
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



Note:

- 1. The above test results are limited to the test prototype**
- 2. Changes in the overall casing material process, software version, accessories (camera FPC, speakers, earpieces, motors, batteries, etc.), and chips will lead to changes in the performance of the overall antenna.**
- 3. Changes in the environmental processing of the whole machine (such as grounding position, size, shielding method, etc.) lead to changes in the performance of the whole machine**

Solemnly declare:

The intellectual property rights of this antenna design and research and development are owned by our company. If we find that the same products are supplied to your company without our permission, our company will investigate the corresponding legal responsibilities according to law. Please respect the intellectual property rights. Your support is our unlimited power. , thank you for your cooperation!