



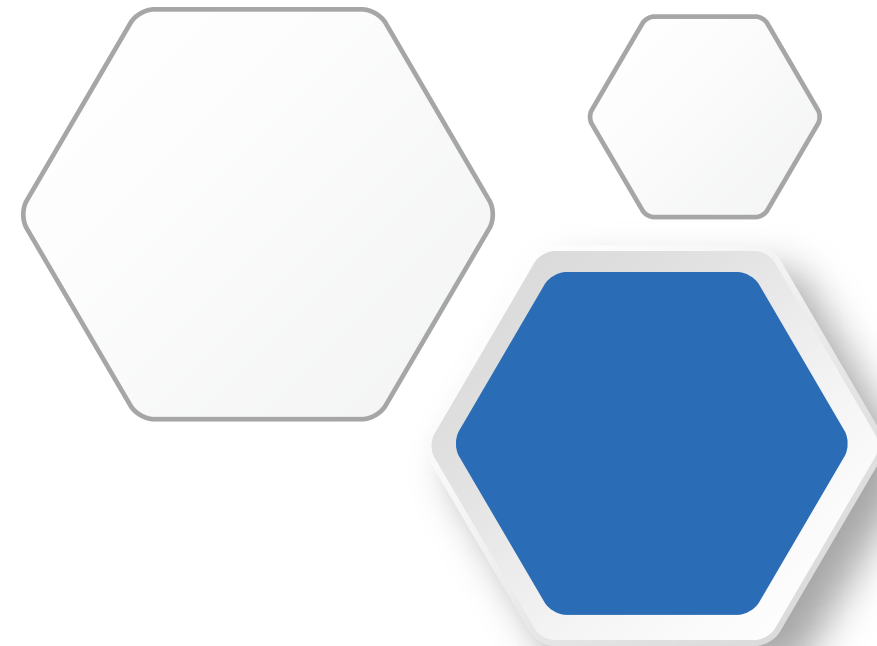
Expand frequency IoT

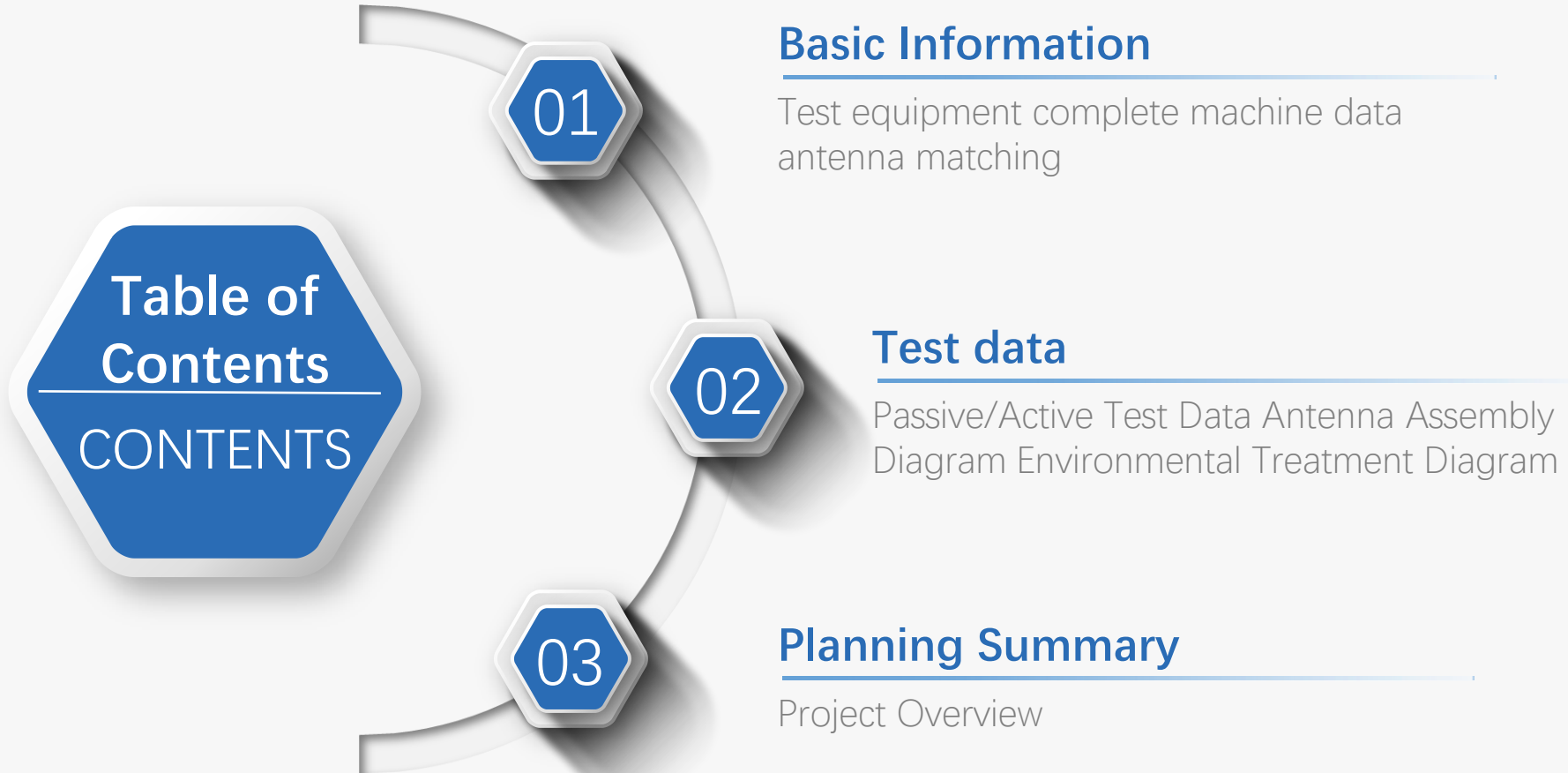
LM637 Antenna Test Report



RF: Engineer Li

Time:2025.04.21



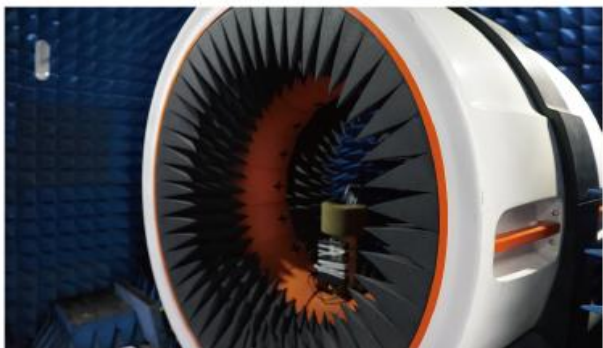




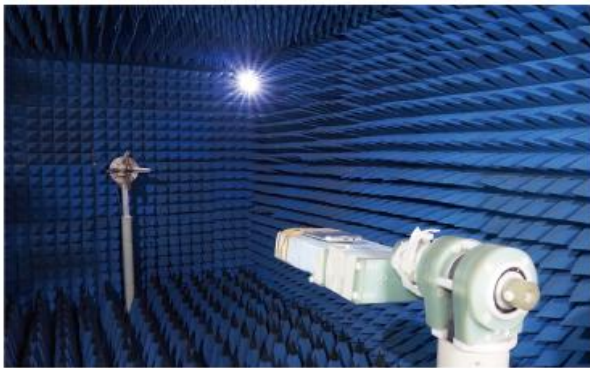
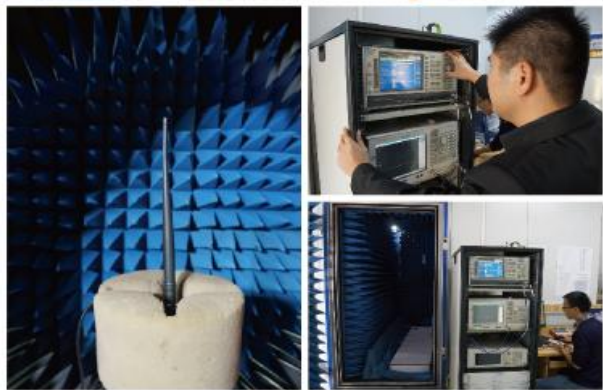
Basic Information:

Basic information

【SATIMO】



【广屏】



Testing system

- SATIMO, Agilent E5071C, Anritsu MT8820C, CMW500 StarPointSPQ500

SATIMO暗室-配备

Anritsu综测仪8820c/Agilent网分5071C/Agilent综测仪E4438C

广屏暗室-配备

Agilent-综测仪8960/罗德-cmw500

调试网分

Agilent 网分5071C



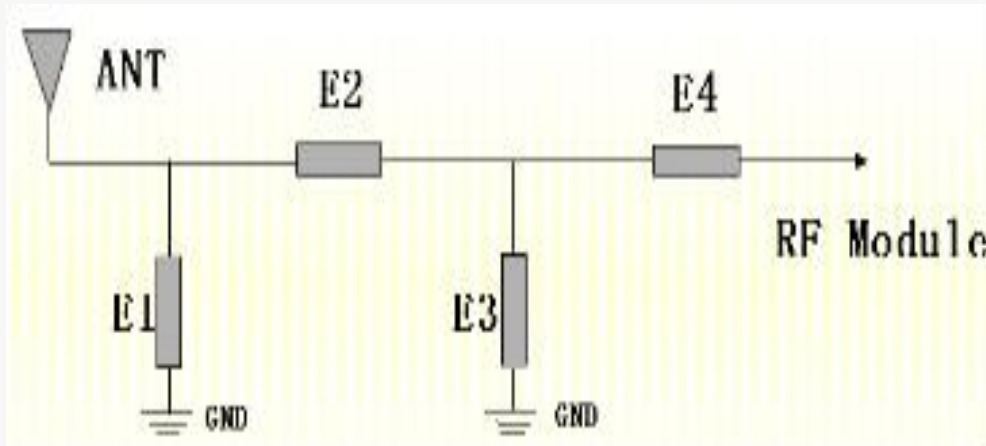
: Basic Information

Basic information



machine data

- Customer Name: Le Mi
- Project Name: LM637
- Frequency band information: BT



Antenna Matching

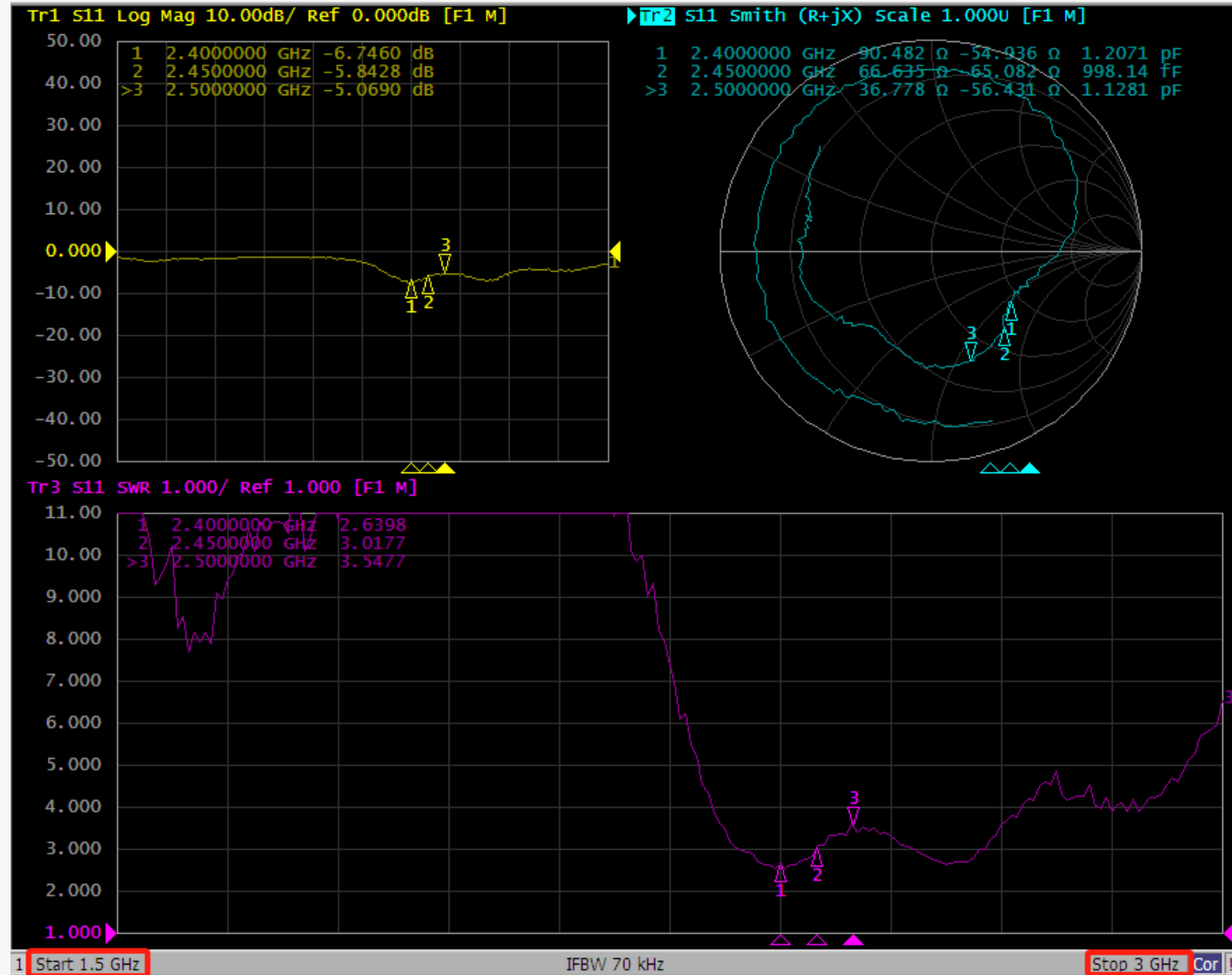
Antenna circuit matching description

- (1) **BT** Antenna and antenna matching
No changes



Test data: BT Antenna Passive Diagram - (SWR/Log Mag /Smith)

test data

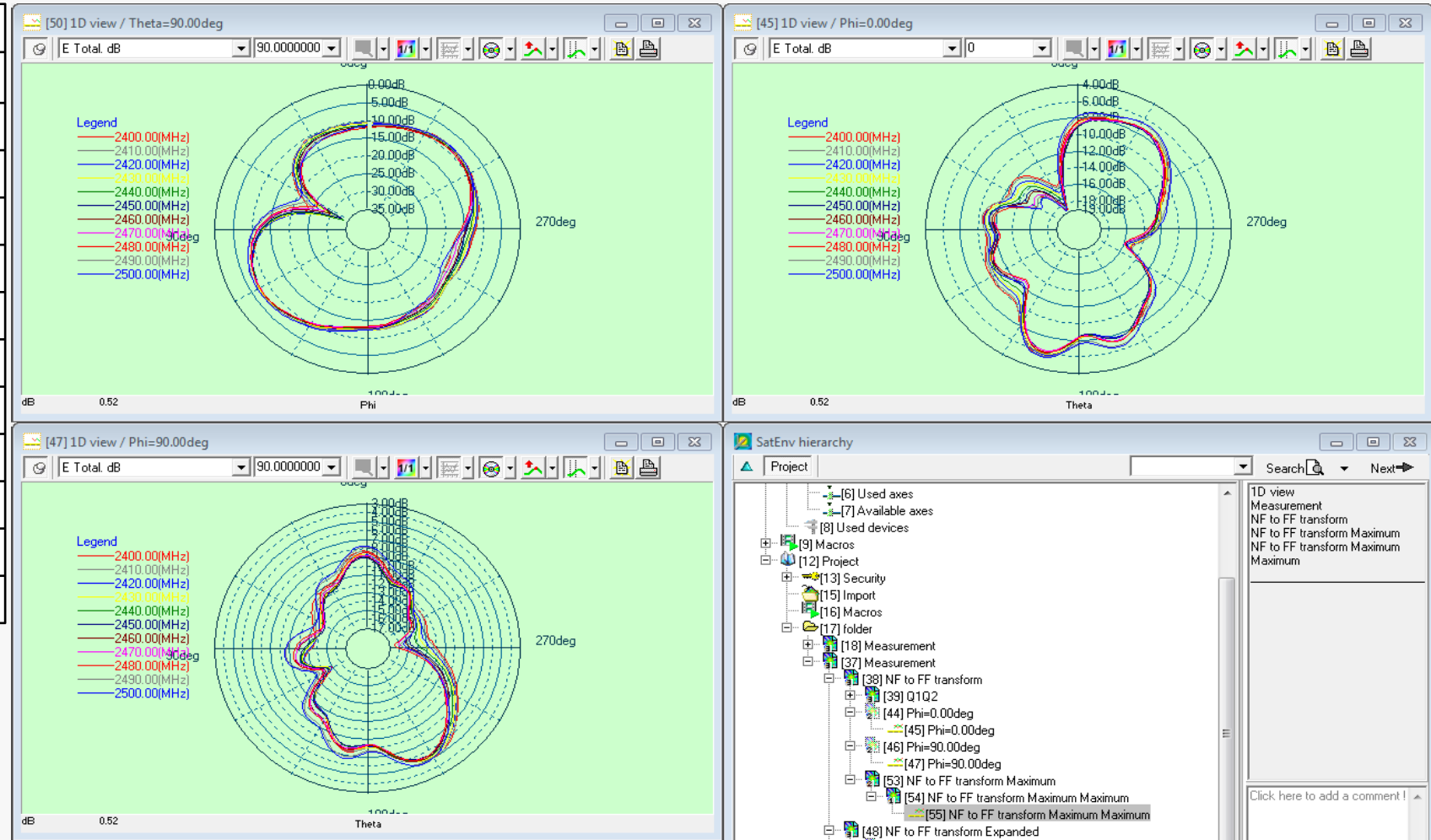




Test data: BT Antenna passive data - (Efficiency/Gain/Pattern)

test data

2400-2500MHz Efficiency		
Frequency	Efficiency	Gain. dBi
2400MHz	10%	-4.02
2410MHz	10%	-4.05
2420MHz	9%	-4.16
2430MHz	9%	-4.17
2440MHz	9%	-4.32
2450MHz	8%	-4.40
2460MHz	8%	-4.07
2470MHz	8%	-4.16
2480MHz	8%	-4.01
2490MHz	9%	-3.34
2500MHz	10%	-3.18





Play the actual test data for the call:

Testing status	Wearing the watch, raise your hand to chest height to test for lag and disconnection.			
System model	Android (HUAWEI Mate 50 Pro)			
Indoor/Outdoor	Indoor	Outdoor		
Connection distance	12-14m	9-10m		





Planning Summary

Planning to summarize

The above report is for the LM637 client machine, using a passive test report in the form of electronic wire with specifications of 0.5*25.

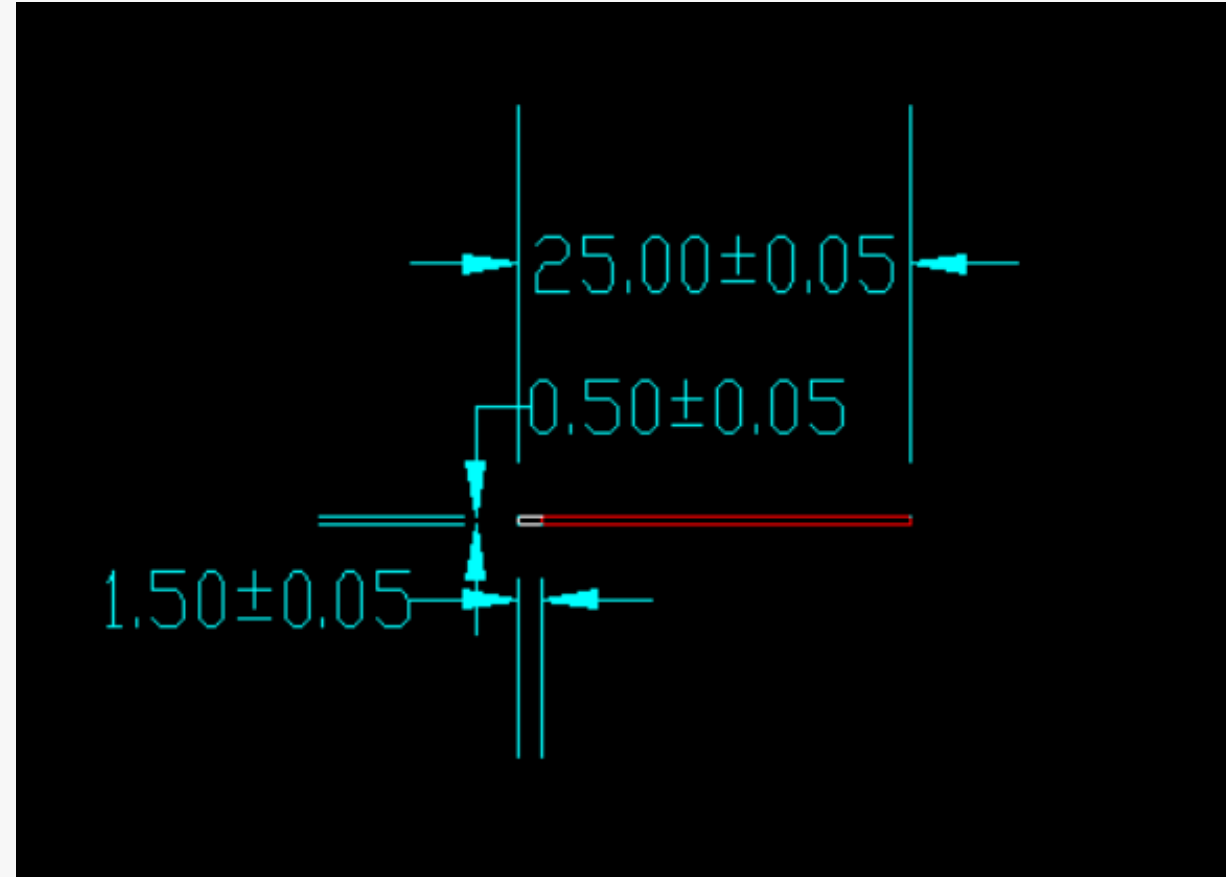
1.No changes in matching.

2.Please note that there are changes in the machine environment handling.



Planning Summary

Planning to summarize





THANK YOU

愿您在纷繁喧扰的世界有一颗平静的心
——拓频物联

