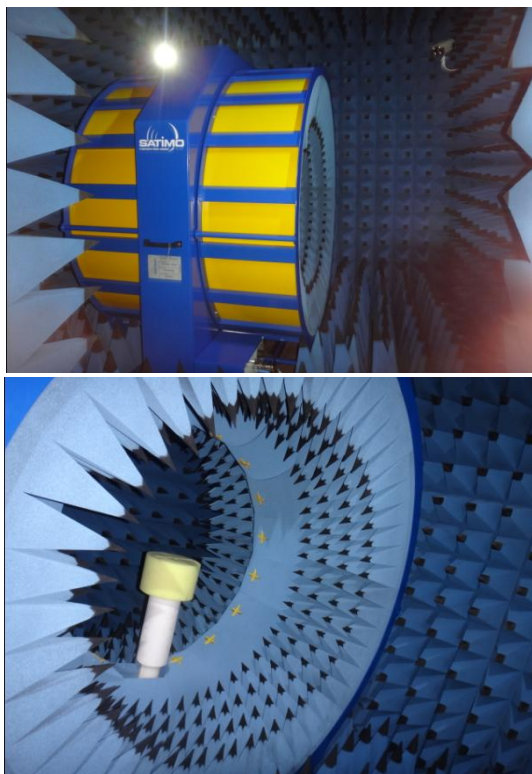


Test report

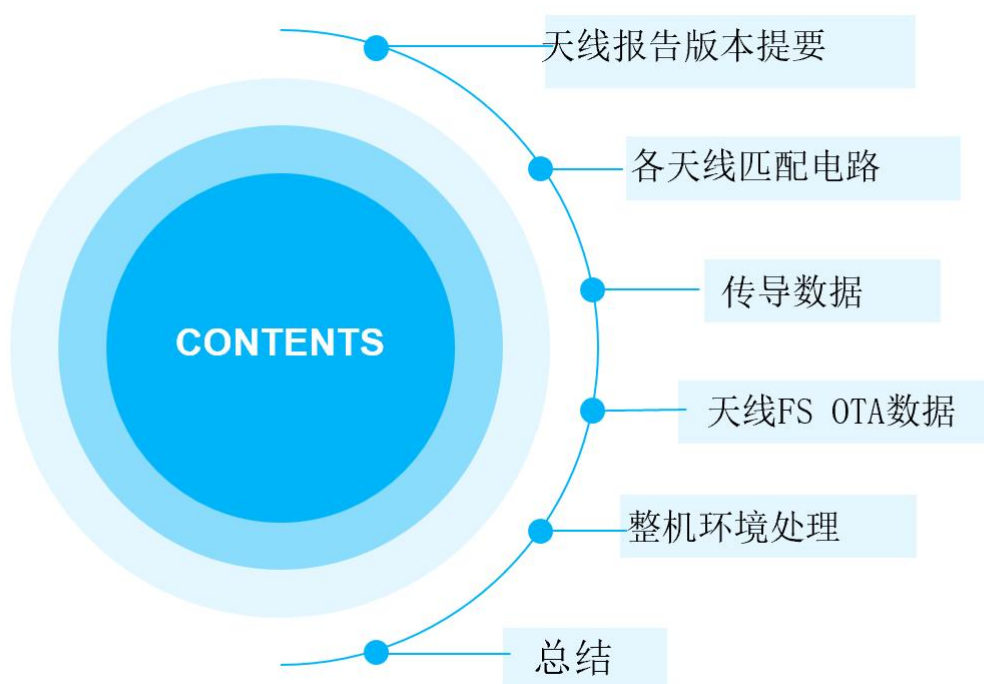


customer name		project name	finger ring
debugging band	2.4-2.5G	structure mode	board mounted
Radio Frequency Engineer	Mr.Wu	construction engineer	
Antenna type	PIFA	date	2025-11-30

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The StarLab 3D Lab, an original imported product from France's SATIMO, provides precise and rapid testing of communication devices including smartphones, tablets, and laptops, measuring key parameters such as TRP, TIS, efficiency, gain, Apple chart, and



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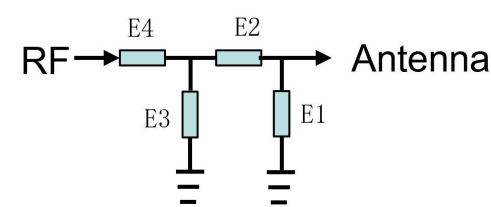
Antenna Report Version Summary

version	data	Content Overview
V1.0	2025-11-21	Antenna Efficiency Test Report
V2.0	2025-11-30	Modify the antenna efficiency test report

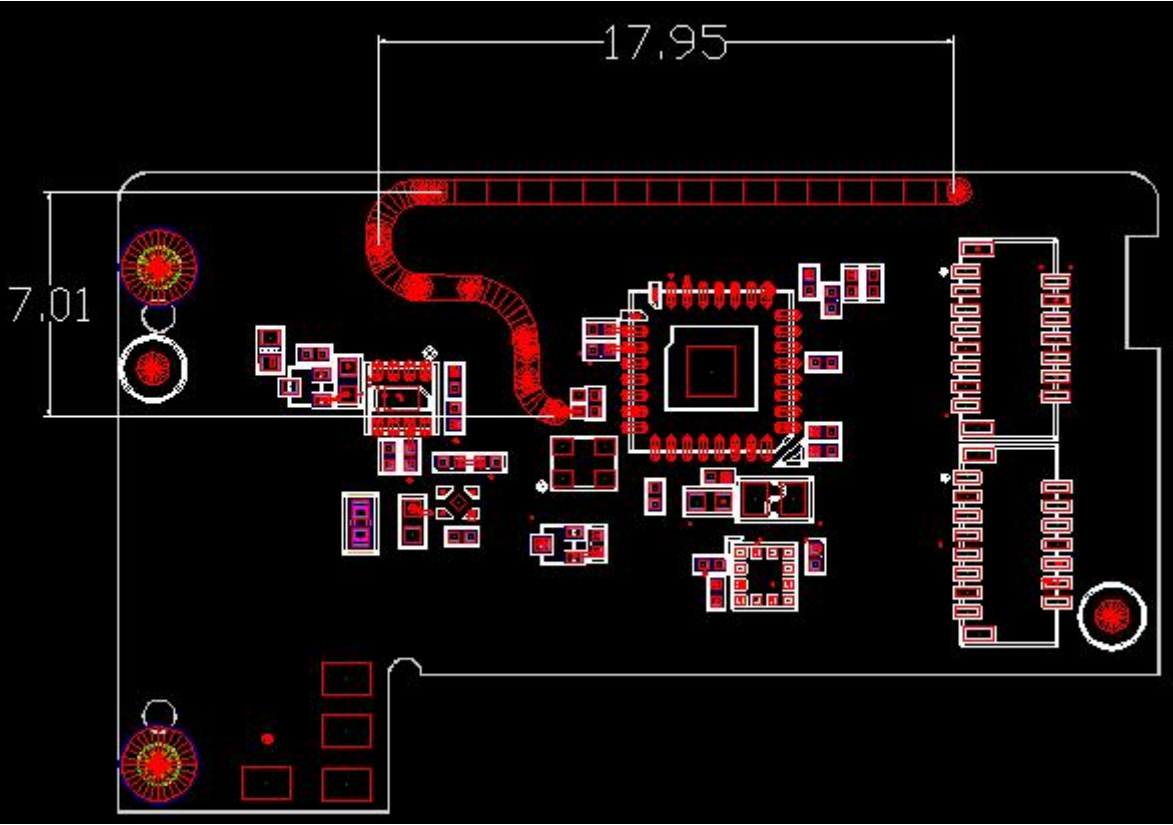
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Main antenna matching circuit-----No change

Element	E1	E2	E3	E4
Value				



Antenna size diagram



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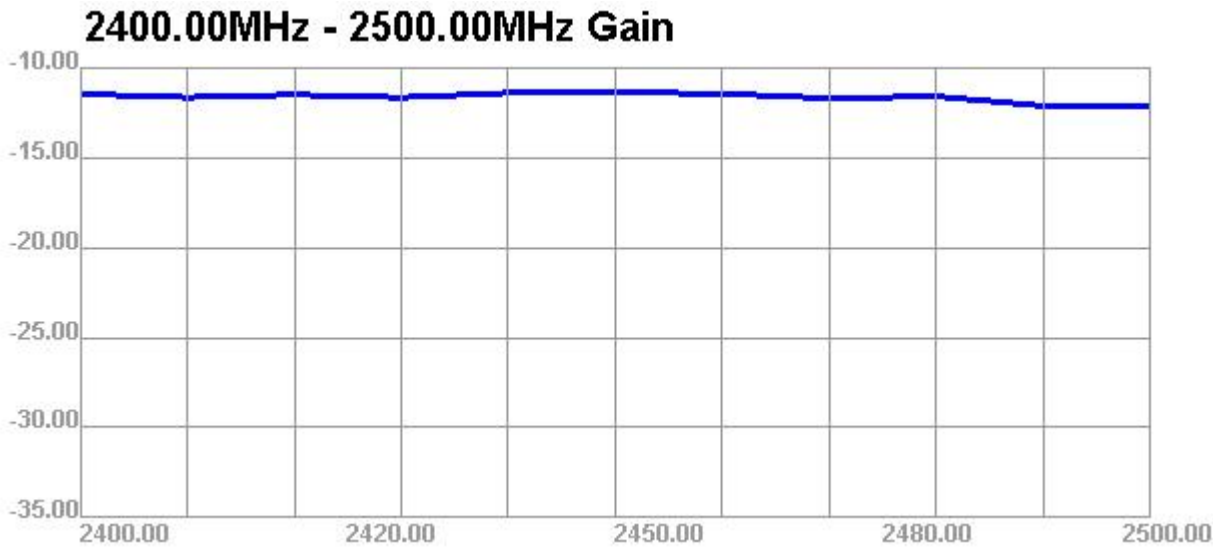
Passive standing wave pattern



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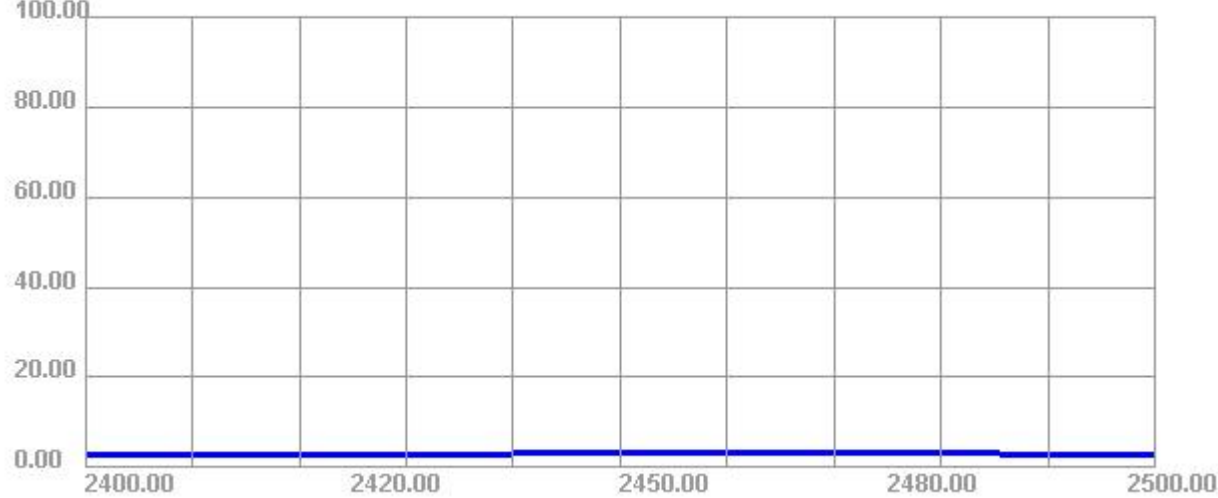
Antenna efficiency

Passive Test For 2.4G		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	2.85	-11.46
2410	2.78	-11.64
2420	2.91	-11.5
2430	2.83	-11.65
2440	3.08	-11.4
2450	3.15	-11.37
2460	3.22	-11.44
2470	3.11	-11.7
2480	3.26	-11.59
2490	2.93	-12.12
2500	2.89	-12.1

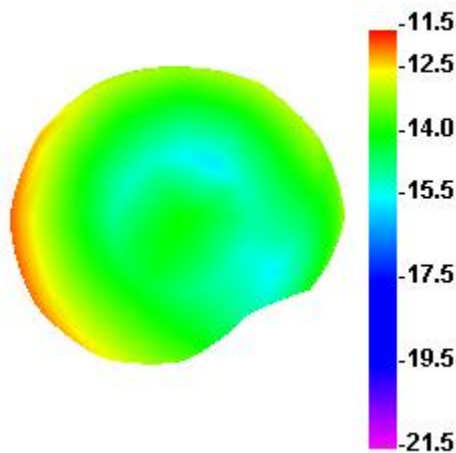


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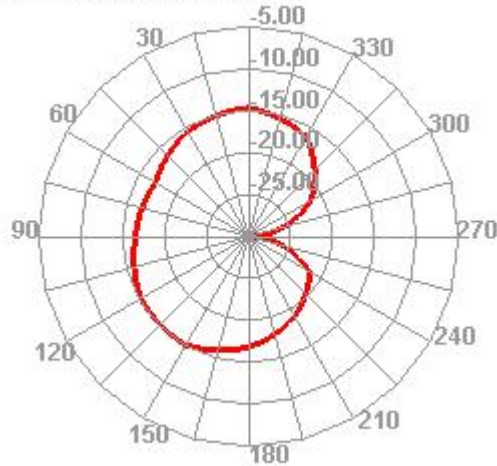
2400.00MHz - 2500.00MHz Efficiency



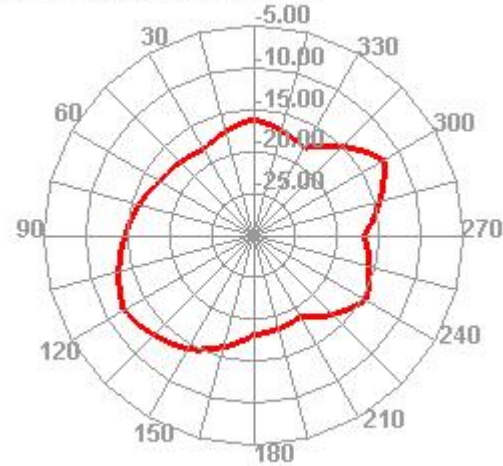
2400.000MHz



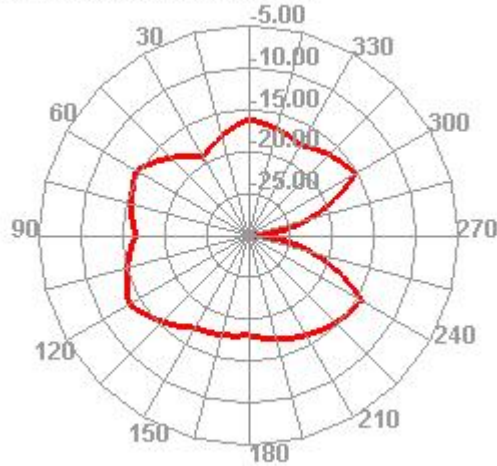
2400.000MHz H



2400.000MHz E1

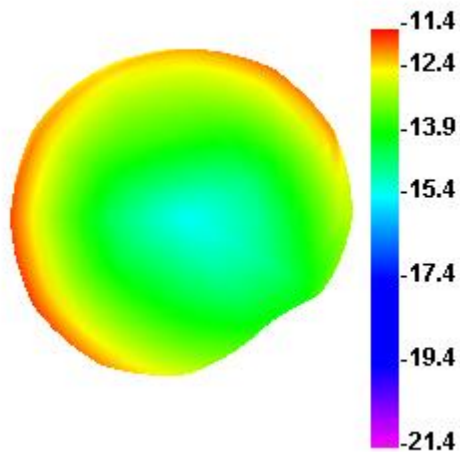


2400.000MHz E2

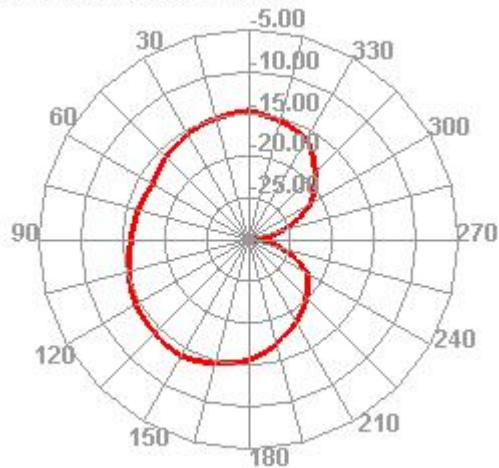


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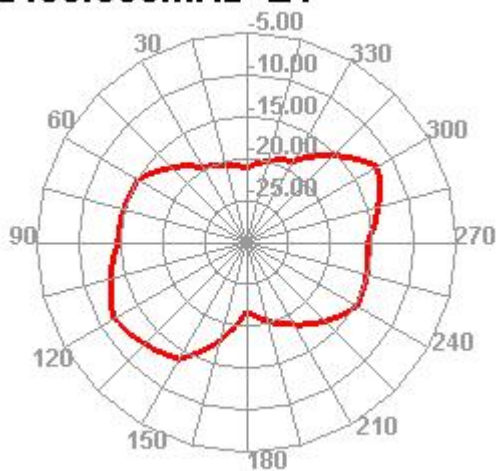
2450.000MHz



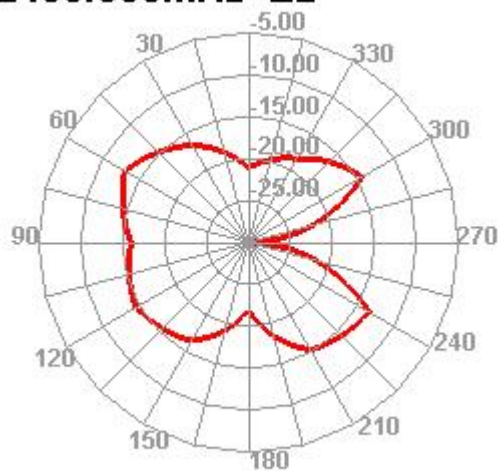
2450.000MHz H



2450.000MHz E1

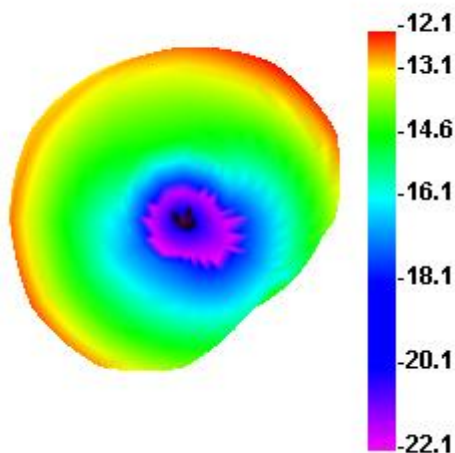


2450.000MHz E2

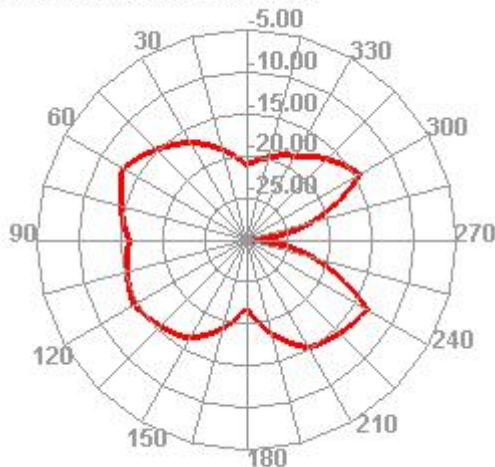


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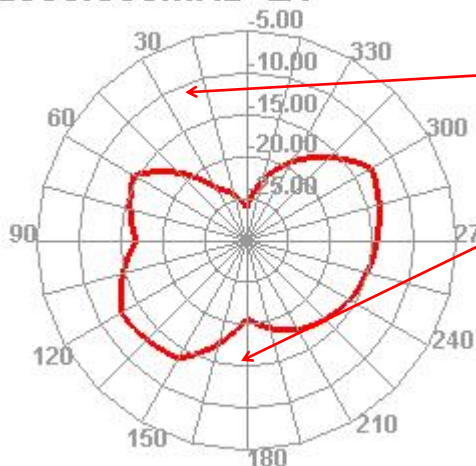
2500.000MHz



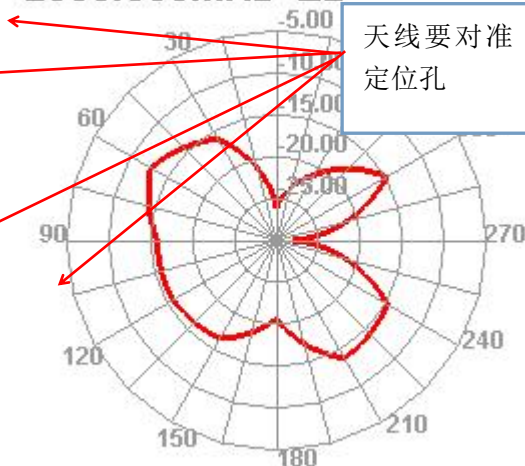
2450.000MHz E2



2500.000MHz E1



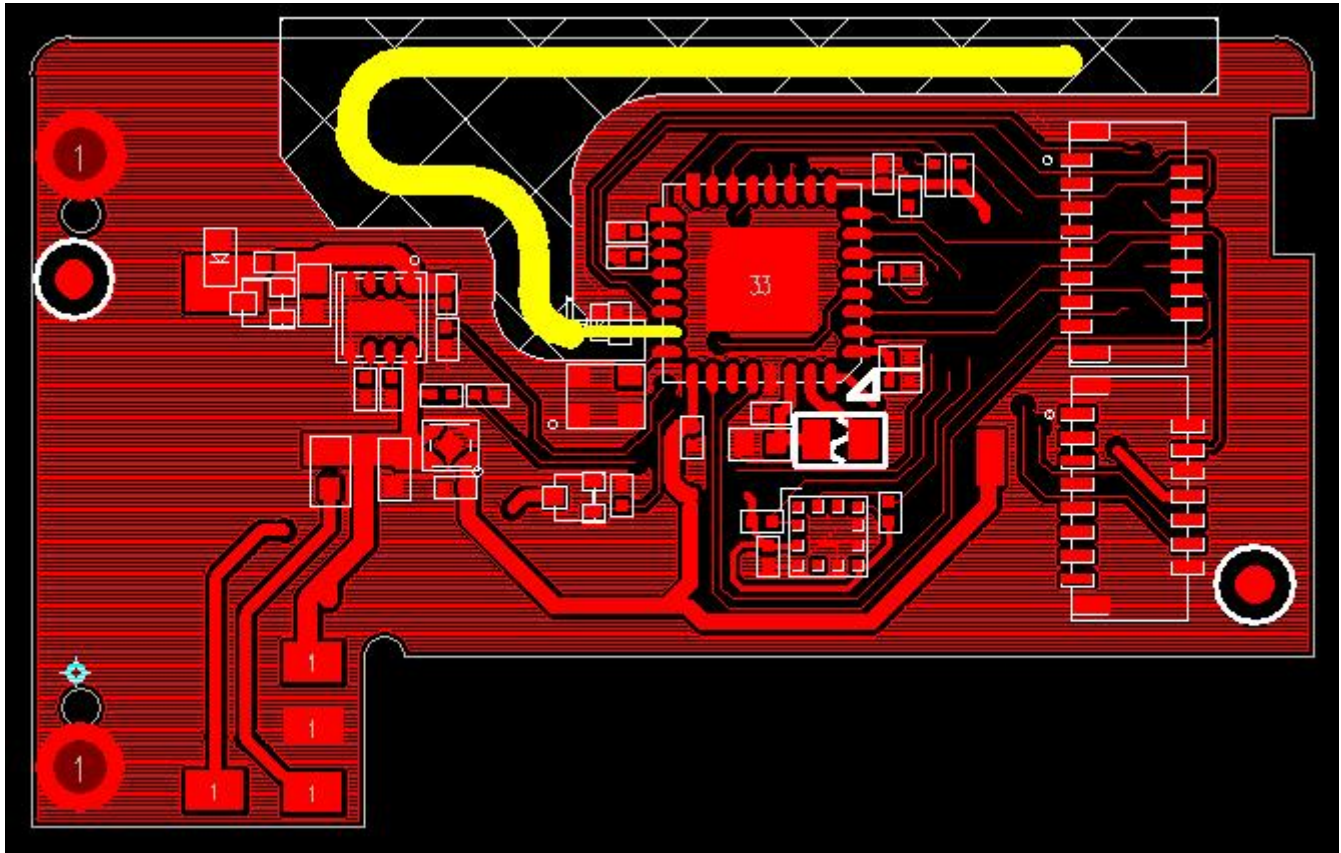
2500.000MHz E2



天线要对准
定位孔

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Antennadiagram



Matters need attention:

1. This antenna is exclusively for prototype debugging. Any modifications to the motherboard PCB, RF circuit components, or accessories (e.g., camera, display, speaker, motor, battery, or casing) must undergo our company's full testing and validation before implementation.
2. For third-party verification of this project, please submit the prototype to us for retesting at least one working day in advance. Only after passing the retest should it proceed to subsequent testing to avoid delays.