

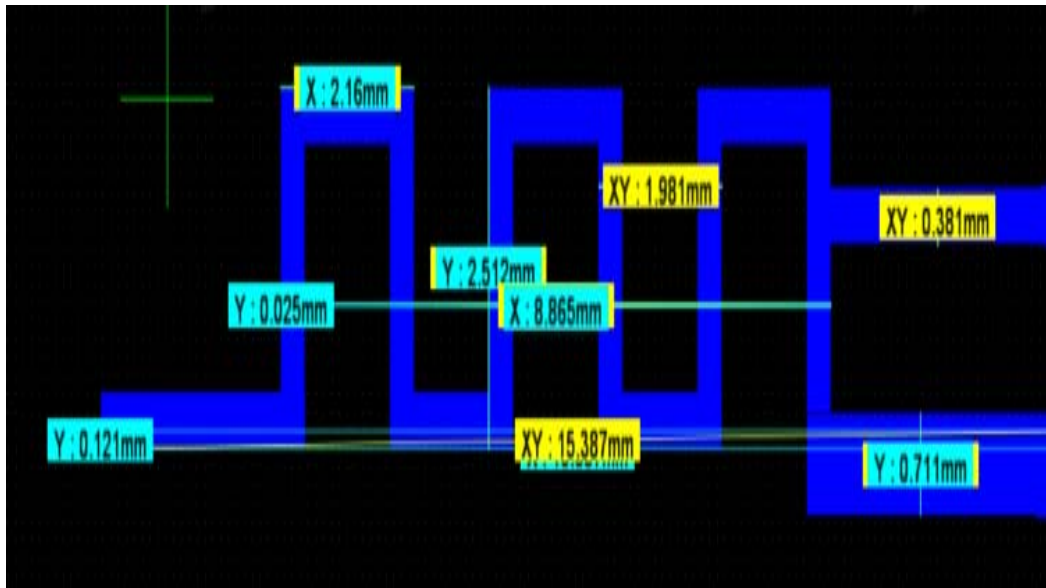
Antenna Specification Document

Antenna manufacturer: Wisdom Wireless Semiconductor Technology Co., Ltd.

Model: WS-ANT1

1. Antenna type: PCB Antenna

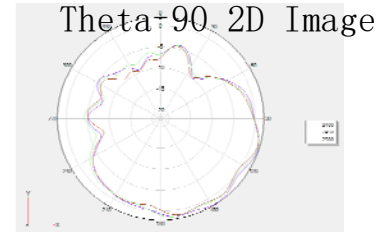
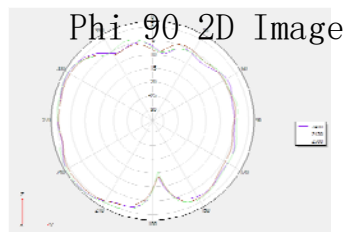
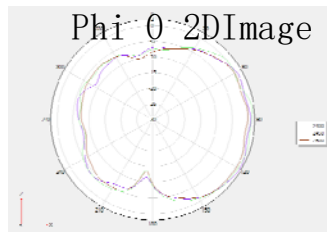
2. Photos and dimension figure:



3. Frequency, Efficiency, Gain:

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	59.7	2.47
2410	62.52	2.32
2420	64.42	3.15
2430	54.7	1.91
2440	62.23	3.03
2450	64.27	2.78
2460	62.09	2.76
2470	55.21	2.22
2480	55.46	2.35
2490	51.76	1.8
2500	55.08	1.8

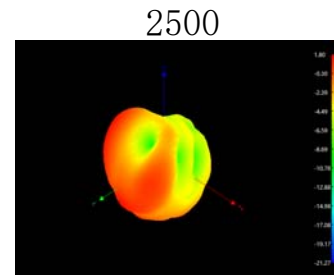
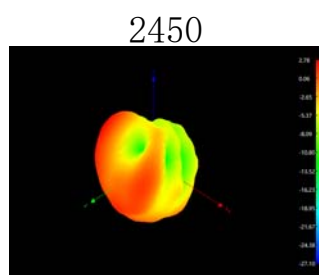
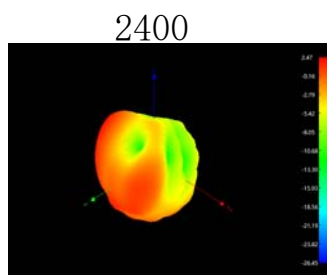
4. Antenna 2D 3D Image:



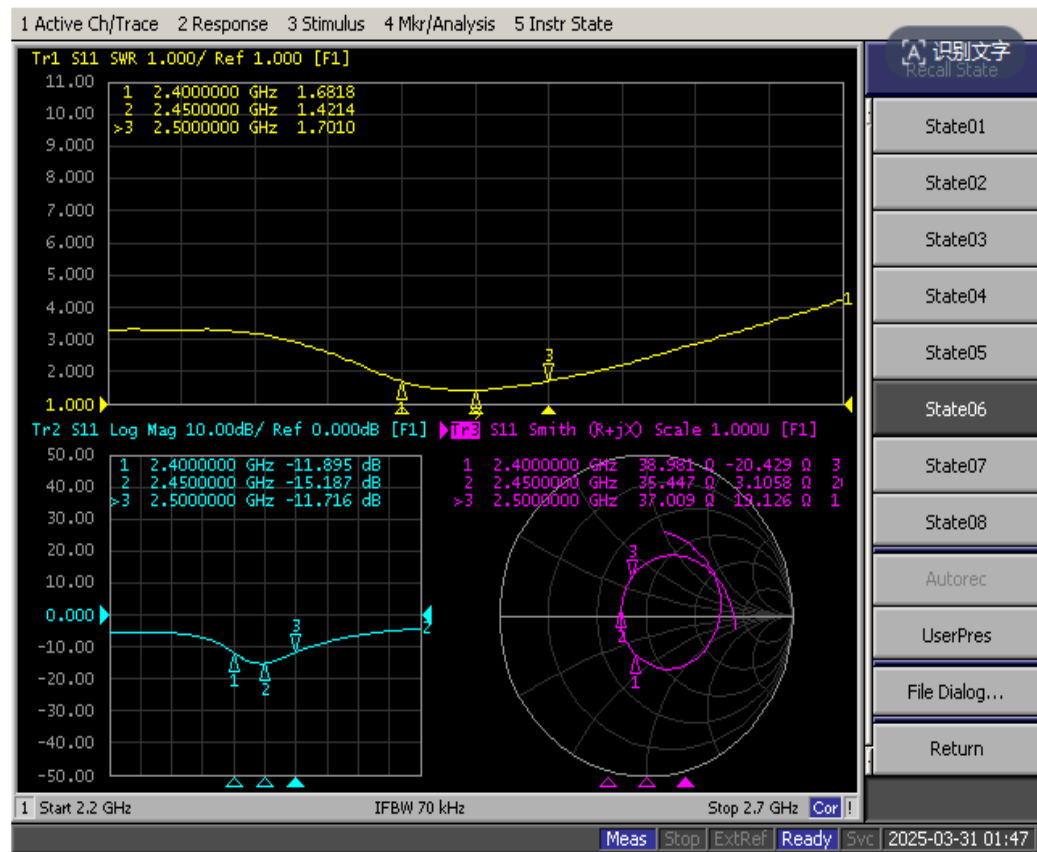
Note:

1; In the 2D antenna diagram, Phi 0, Phi 90, and Theta 90 cannot fully display the gain values in the gain table for 2400M, 2450M, and 2500M, which are 2.47dBi, 2.78dBi, and 1.8dBi respectively. The highest gain value does not fall within the 0 degree and 90 degree range. The specific values can be referred to in the 3D diagram.

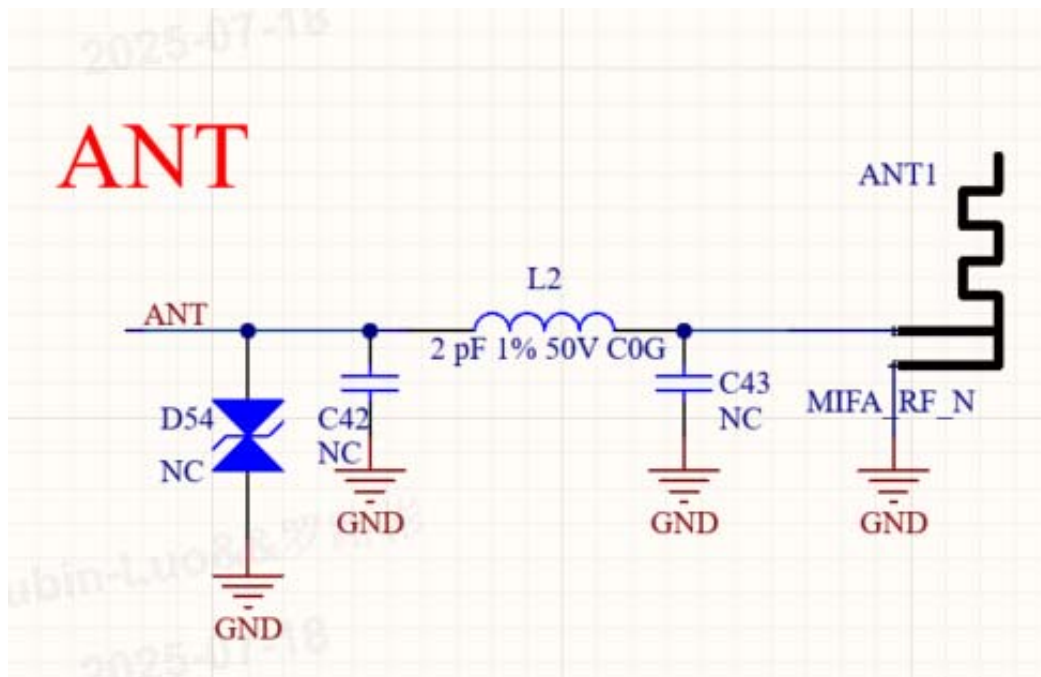
2; X and Y are the test surfaces, and both the X-axis and Y-axis are horizontal planes.



5. antenna standing wave ratio:



6. Antenna matching circuit



7. Testing site:

