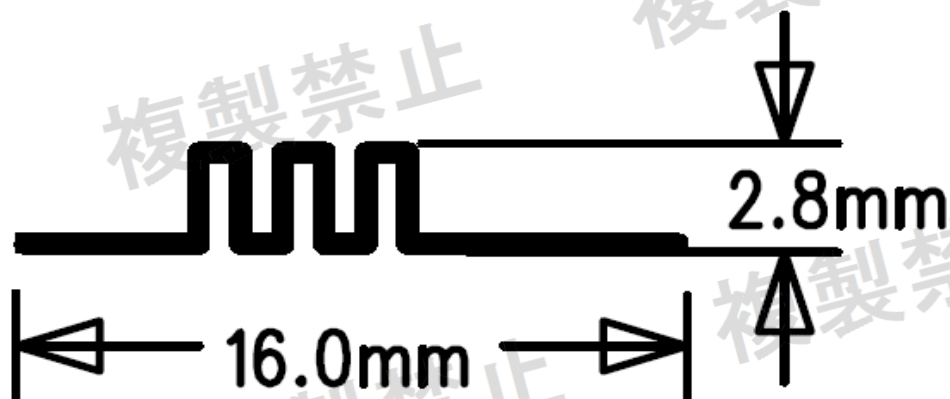
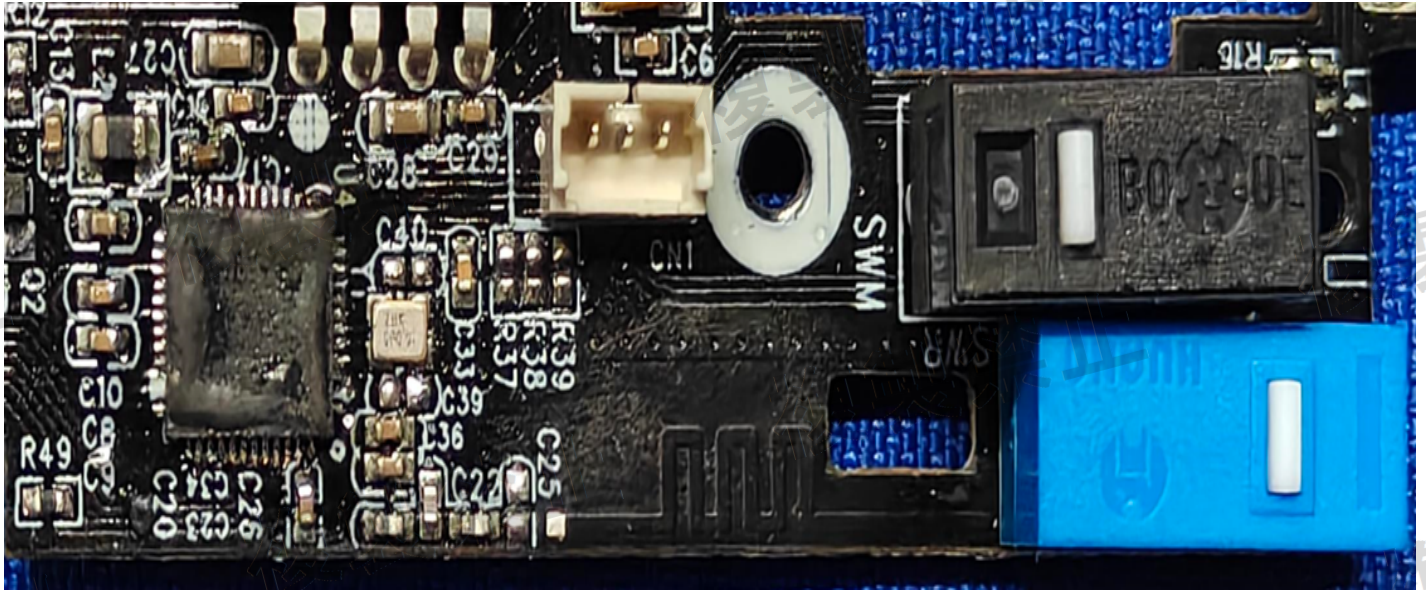


Antenna Describe

Antenna	PCB Antenna
Antenna Gain	1.49dBi
Frequency Range	2.4Ghz-2.483Ghz
Connector Type	Direct
Location of measurement (company name)	KYUNG IN ELECTRONIC(SHEN ZHEN)CO.,LTD
Address:	1st Industrialk District Xi Keng Village, Yuan Shan, Shenzhen City, China
Manufacturer:	KYUNG IN ELECTRONIC(SHEN ZHEN)CO.,LTD 1st Industrialk District Xi Keng Village, Yuan Shan, Shenzhen City, China

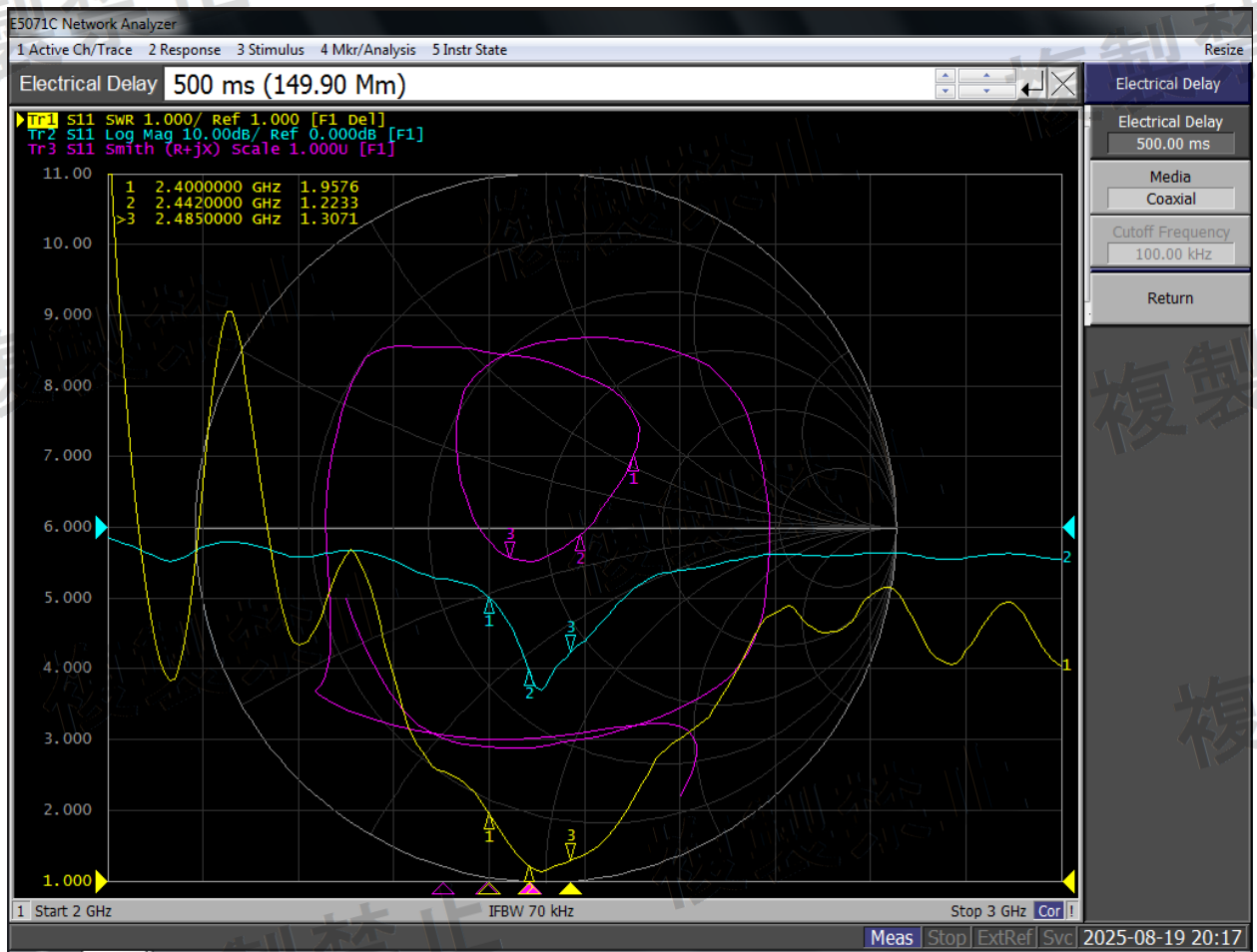


1. Antenna
PCB Pattern Antenna
- PCB Top Side



2. Characteristics curve

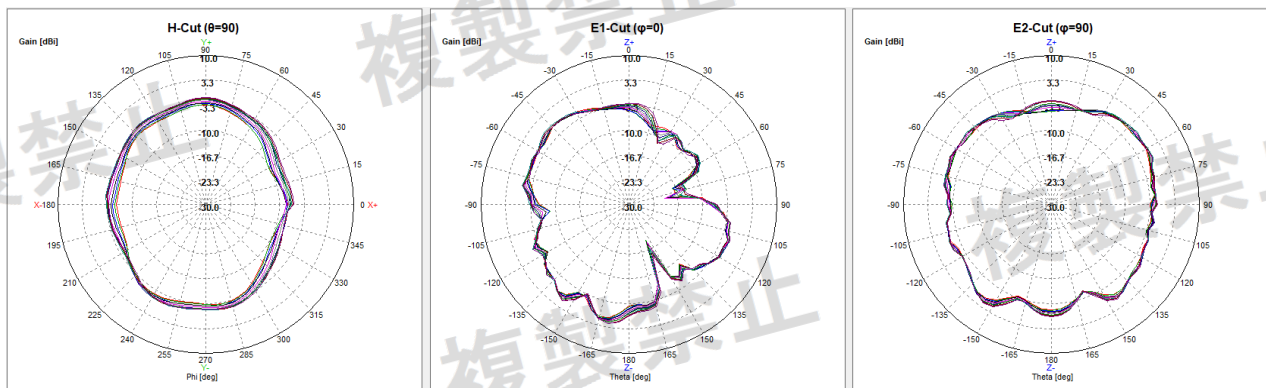
2.1 S11/ SWR



3. 2D Radiation characteristics of antenna

3.1 Frequency

2400MHz 2410MHz 2420MHz 2430MHz 2440MHz 2450MHz 2460MHz 2470MHz 2480MHz



3.4 Result Summary

Freq.[GHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2.4	59.7	-2.24	1.34
2.41	61.8	-2.09	1.43
2.42	59.88	-2.23	1.29
2.43	59.23	-2.27	1.25
2.44	59.98	-2.22	1.32
2.45	61.23	-2.13	1.49
2.46	58.39	-2.34	1.47
2.47	56.82	-2.46	1.4
2.48	55.76	-2.54	1.26