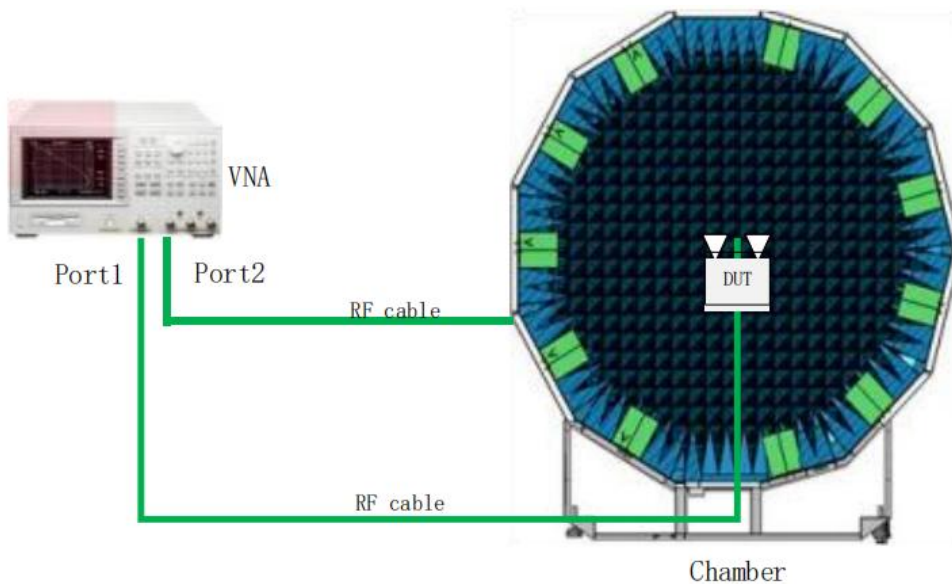


Type and shape of antenna	IFA Antenna
Directional characteristics	Omni-directional
Deflection Characteristics of Antenna	Linear
Type of connection with transmitter	antenna shrapnel
Manufacturer	Weierchuang Communication Technology Co., LTD
Measuring Organization	Weierchuang Communication Technology Co., LTD

1.EUT Reference Setup

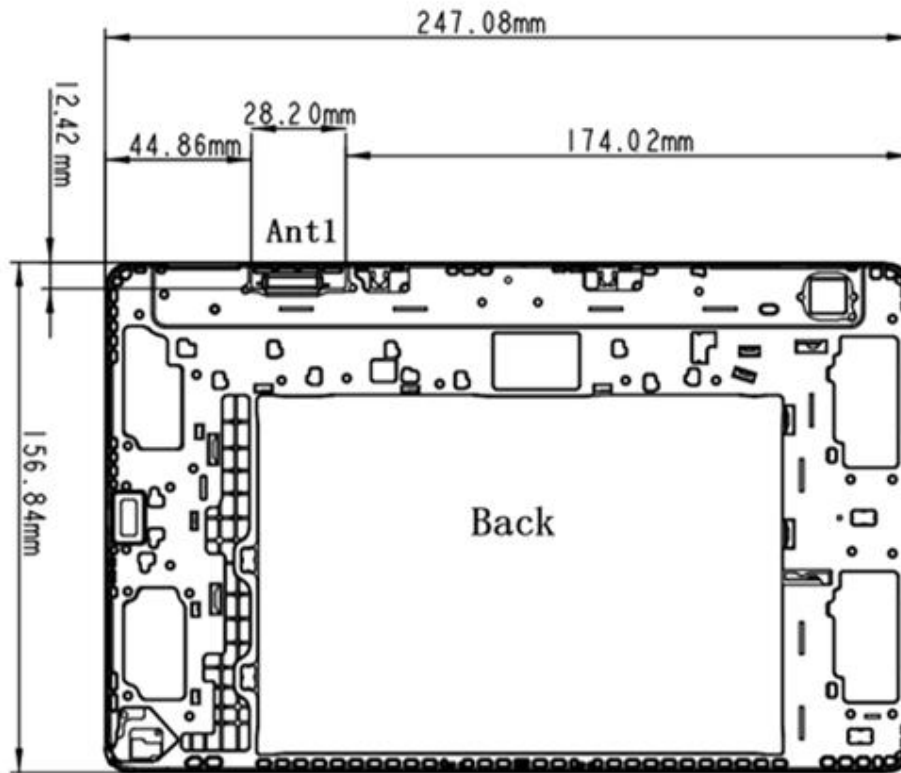


Tester	zhangjie
Actual date of testing	2023-02-10
Test description	Use an anechoic chamber to measure the radiation pattern and antenna gain. The GTS laboratory operates at 0.6-5.9GHz. The chamber's reflection level in the range of 0.6GHz to 5.9 GHz is typically ≤ 25 dB. Standard dipoles are used to calibrate for path loss and magnetic ring lines are used to suppress feeder emissions, so we can measure antenna gain.

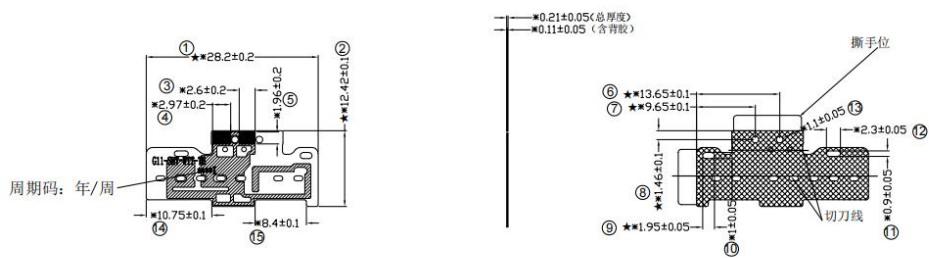
Test Equipment List

Name of test equipment	Model	Manufacturer	Cal.Due Date	Calibration Interval
Pattern Measurement Software	General Test	Ray Zone 1800	NA	NA
Network Analyzer	Agilent	E5071B	2023-12-25	One year

2. Antenna distribution



3. Antenna Pattern



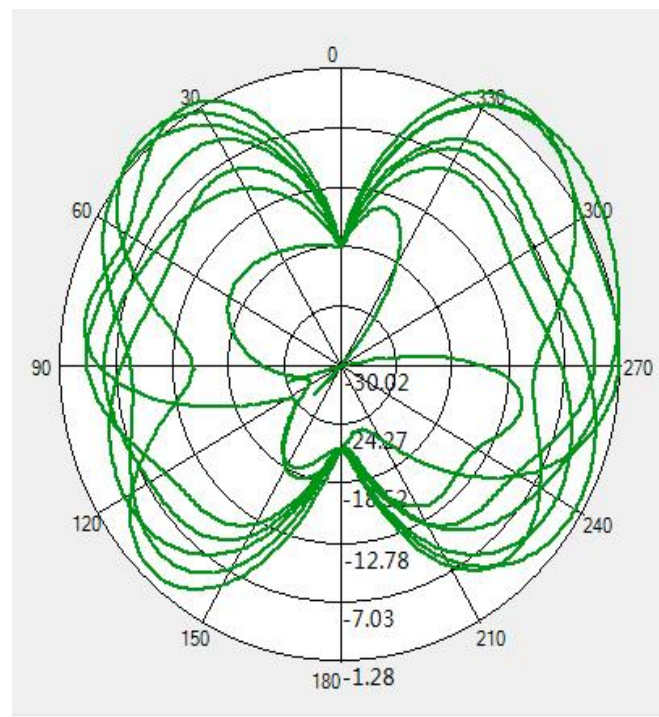
4. Antenna Gain

Antenna Gain:

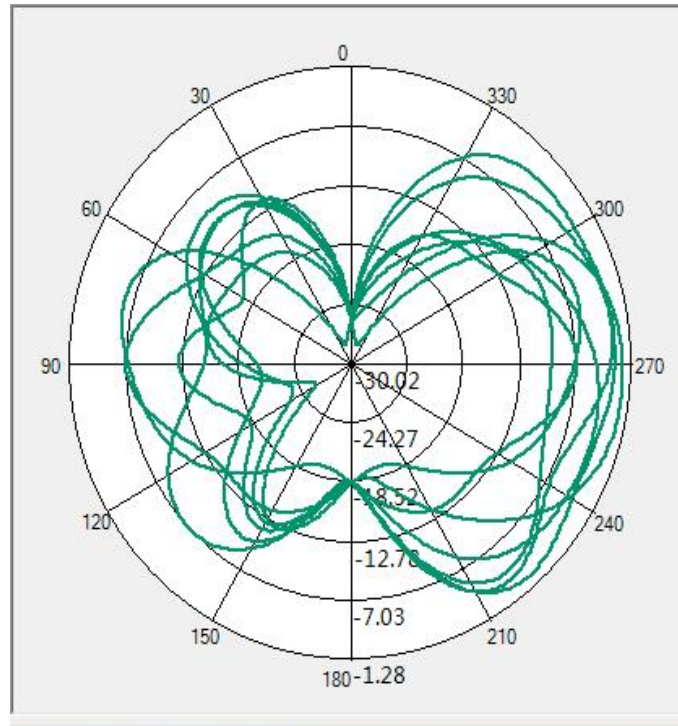
Frequency (MHz)	Gain (dBi)	Frequency (MHz)	Gain (dBi)	Frequency (MHz)	Gain (dBi)
2400	0.64	5200	-1.36	5850	-1.73
2420	0.98	5550	-2.03		
2450	0.96	5600	-2.14		
2480	0.65	5710	-2.17		
2500	0.37	5800	-1.90		

5.3D map

WIFI2.4G&BT



WIFI5G



6. Electrical Graph (Return Loss)

▶ Tr2 S11 Log Mag 5.000dB/ Ref 0.000dB [F1 M]

