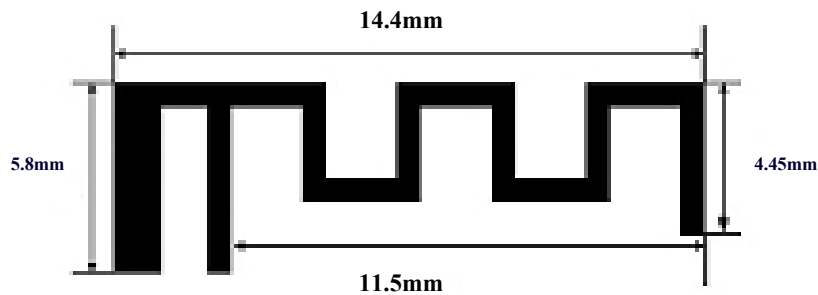


Inverted F Antenna test report

Summary

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency	Horizontal			Vertical		
	2400MHz	2400MHz	2500MHz	2400MHz	2400MHz	2500MHz
	-1.26	-0.76	-0.58	-5.25	-2.46	-1.86
MAX. Gain	-0.58dBi					
Polarization	Horizontal and Vertical					
Azimuth Beam Pattern	Omni-directional					
Impedance	50 Ohm					
Antenna Length	38.20mm					
Manufacture	ZHUHAI JIELI TECHNOLOGY CO.,LTD					

Antenna Photo & Length (mm)



Test Date: 2026-06-10

Tested by : Tommy Yang

Responsible Engineer: Gary Zhang

Test Lab : Attestation of Global Compliance Co., Ltd.

Horizontal: 2400 MHz 2450 MHz 2500 MHz

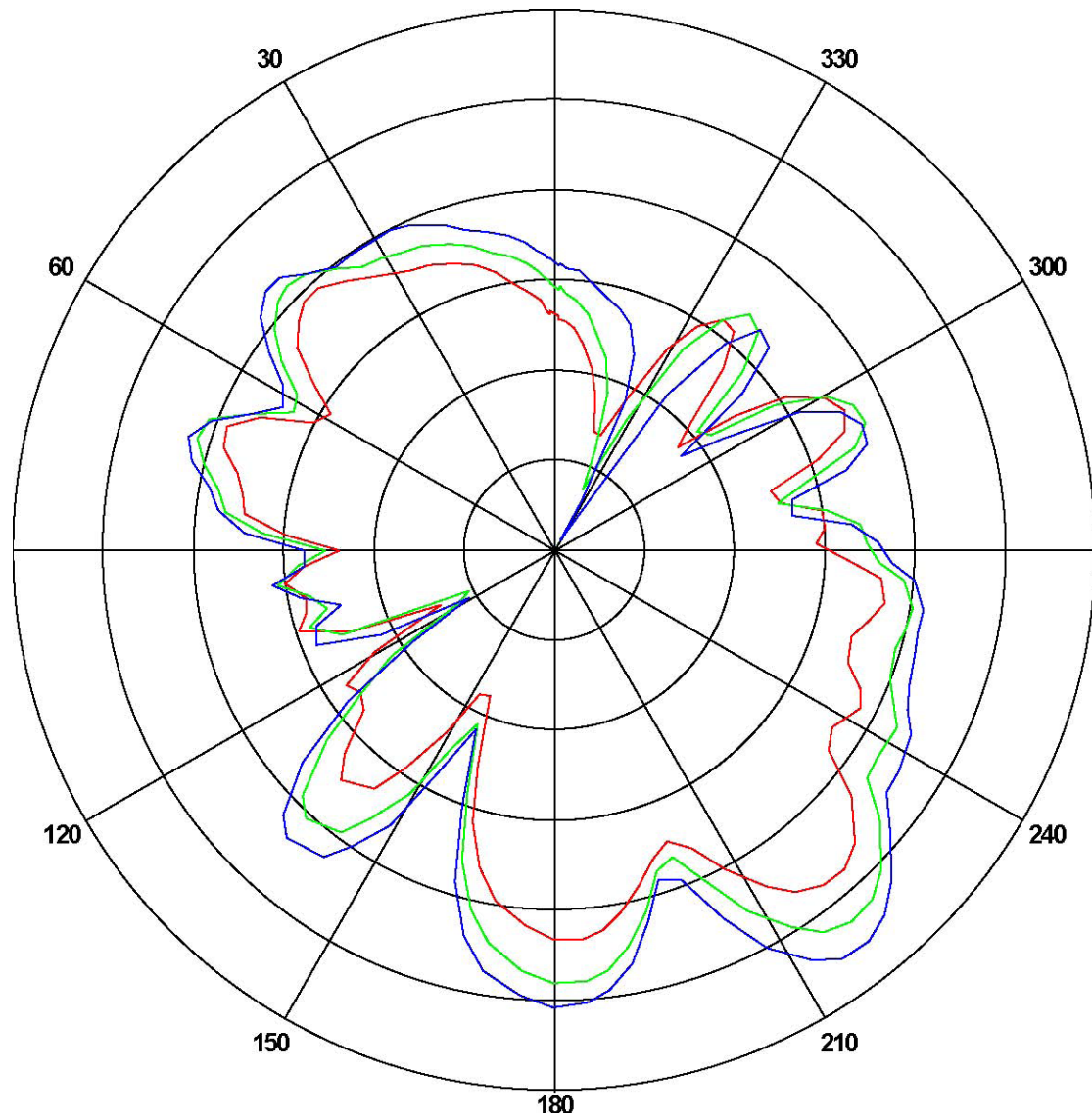
Power (dBi)

Max: 0 Min: -40 Scale: 5/div



Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	-1.26174	-30.0801	-7.18716
2450	-0.765802	-36.5604	-7.48023
2500	-0.585582	-22.0315	-6.59127

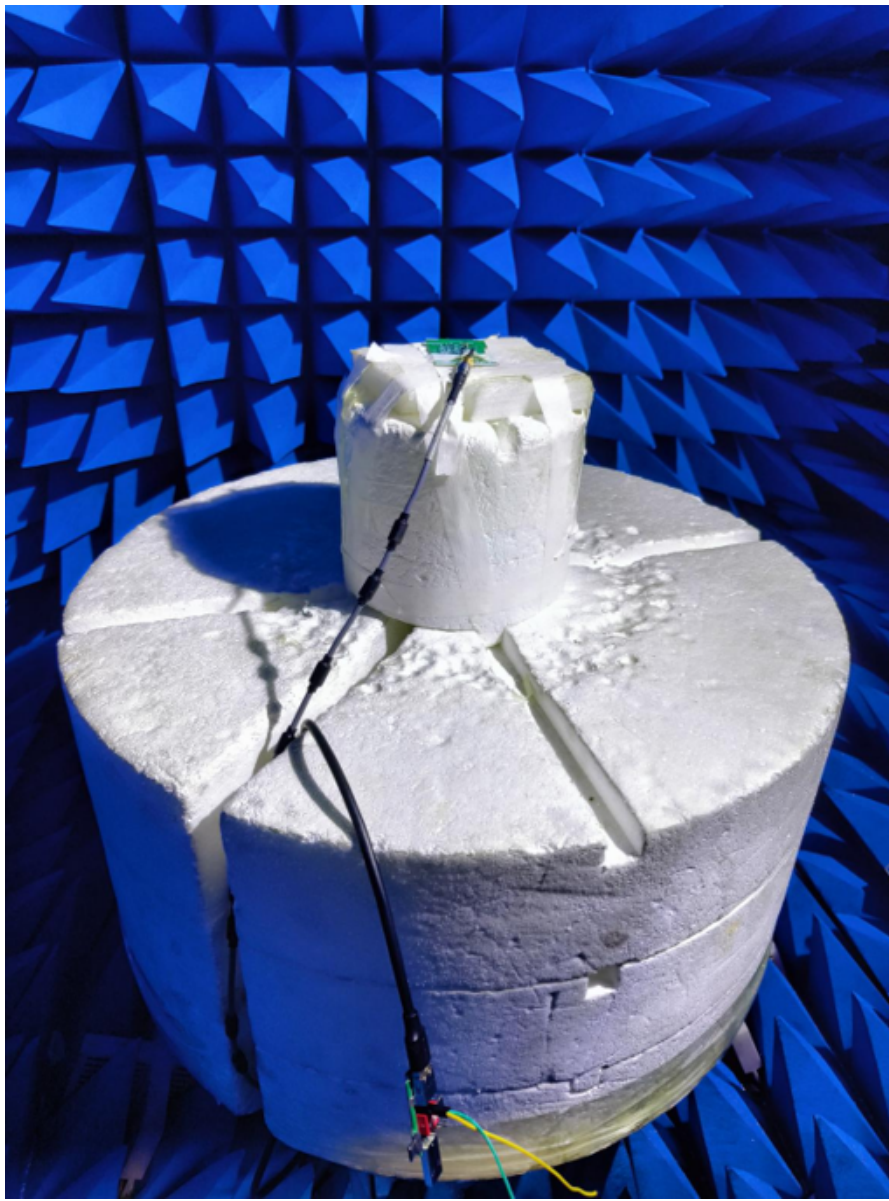
Vertical: 2400 MHz 2450 MHz 2500
MHz Power (dBi)
Max: 0 Min: -30 Scale: 5/div



Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	-5.2537	-22.1424	-12.4294
2450	-2.4652	-24.5837	-10.4702
2500	-1.86120	-29.5214	-9.20432

ANT Test Labs: Attestation of Global Compliance Co., Ltd.

Set up photo



Test Procedure

- 1.Perform calibration of the network analyzer prior to testing.
- 2.Connect the antenna to the network analyzer via a soldered RF cable and measure the antenna VSWR, Return Loss, and Smith Chart characteristics.
- 3.Place the antenna in the Zhongke Guoji anechoic chamber system to evaluate the antenna efficiency, gain, and radiation patterns.

Equipment list

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Network Analyzer	Agilent	E5071C	XXXX	2026.03.27	2027.03.26
Antenna (Reference)	-	-	-	-	-
Chamber	HWA-TECH (中科国技)	WrlessPro-16	XXXX	2026.03.27	2027.03.26
Turn-table System	HWA-TECH (中科国技)	WrlessPro-16	XXXX	2026.03.27	2027.03.26
Spectrum Analyzer	Keysight	N9010A	XXXX	2026.03.27	2027.03.26
Signal Generator	Keysight	E4438C	XXXX	2026.03.27	2027.03.26