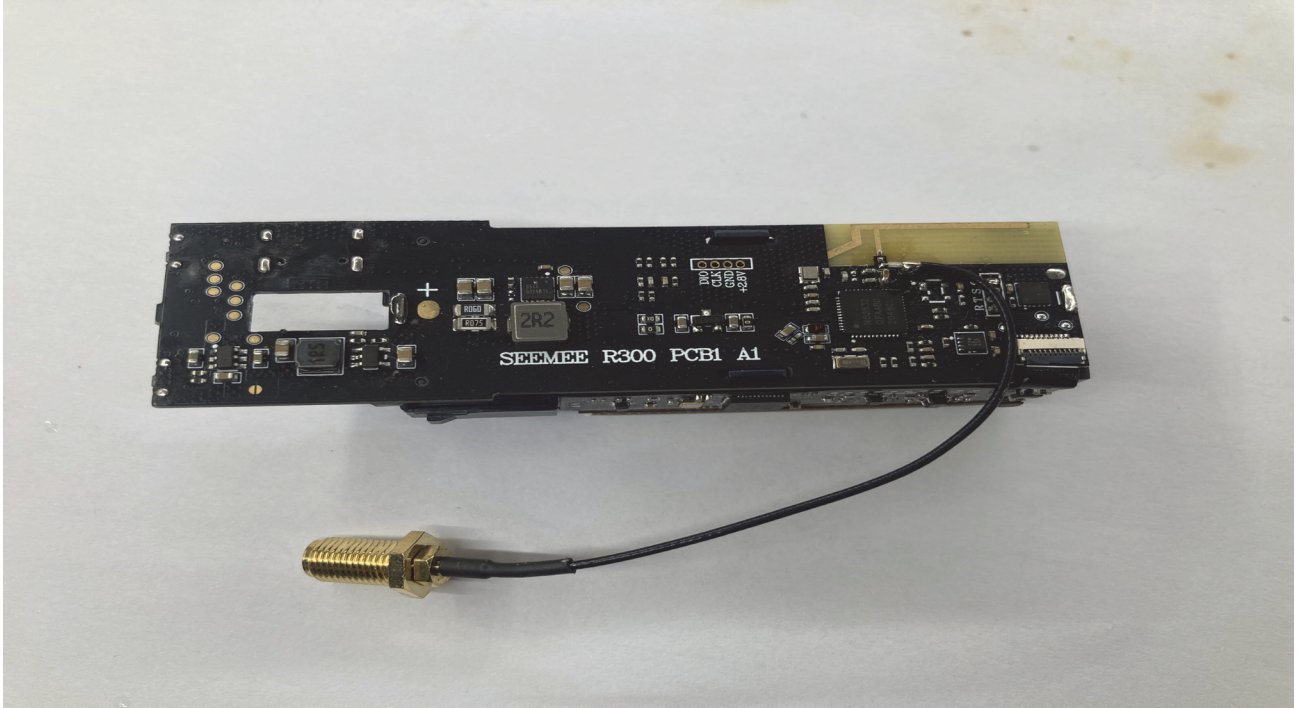


OTA Antenna gain test report

1. Mode: SEEMEE R300

Date: 2024. 06. 15



1.1 Test Item:

Passive Antenna Data

- SWR/Smith Chart/Return Loss
- Gain
- Efficiency
- Antenna radiation pattern

2. Test Result

2.1 Test conditions

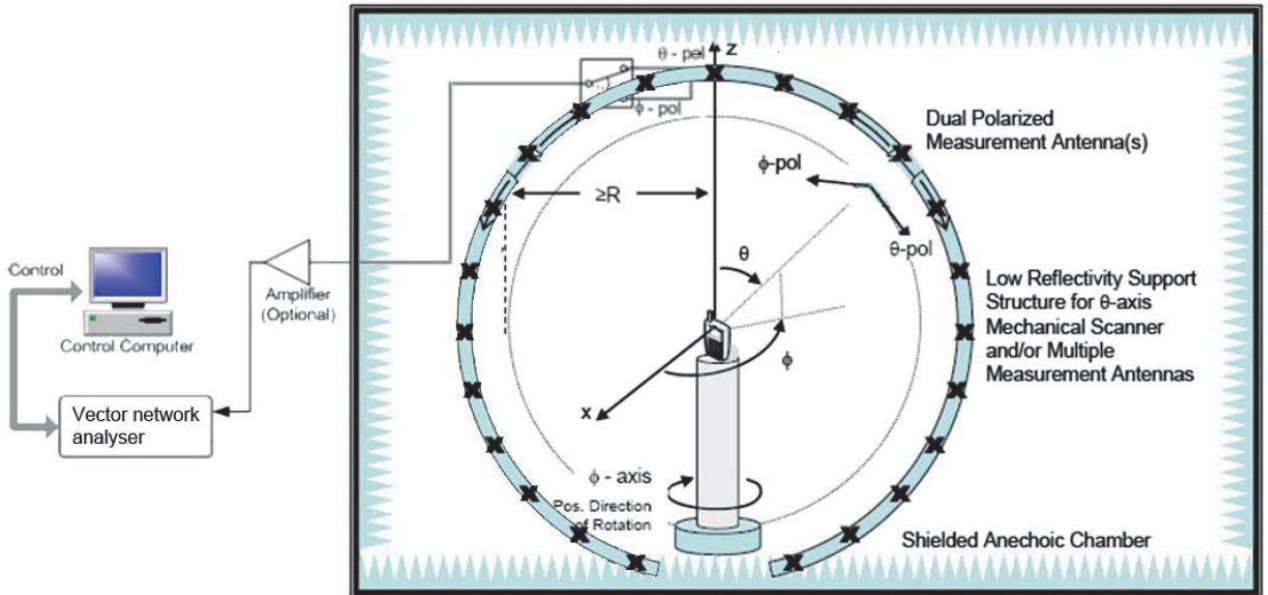
Test Environment Conditions:

Relative Humidity:	15.... 75%
Temperature:	+10℃ to +30℃
Voltage of the EUT:	N/A

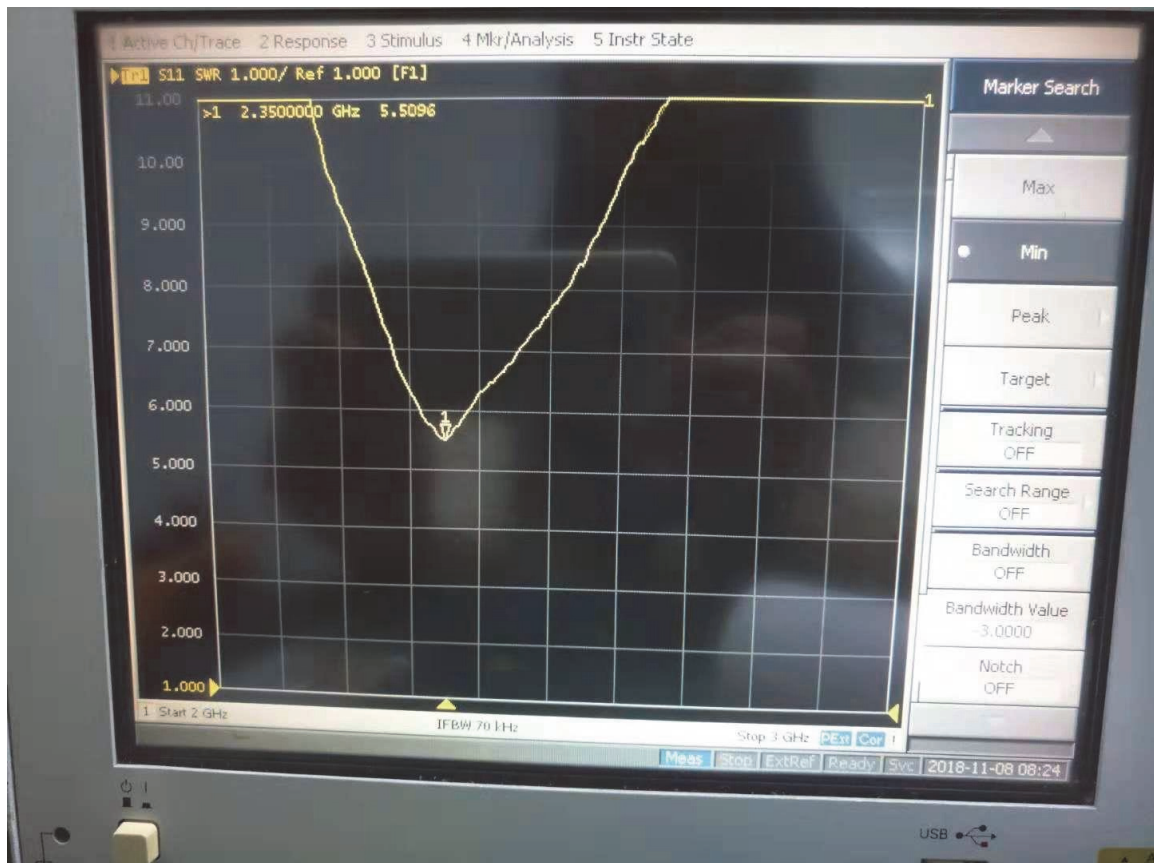
2.2 Test Results lists

Annex A Test Setup

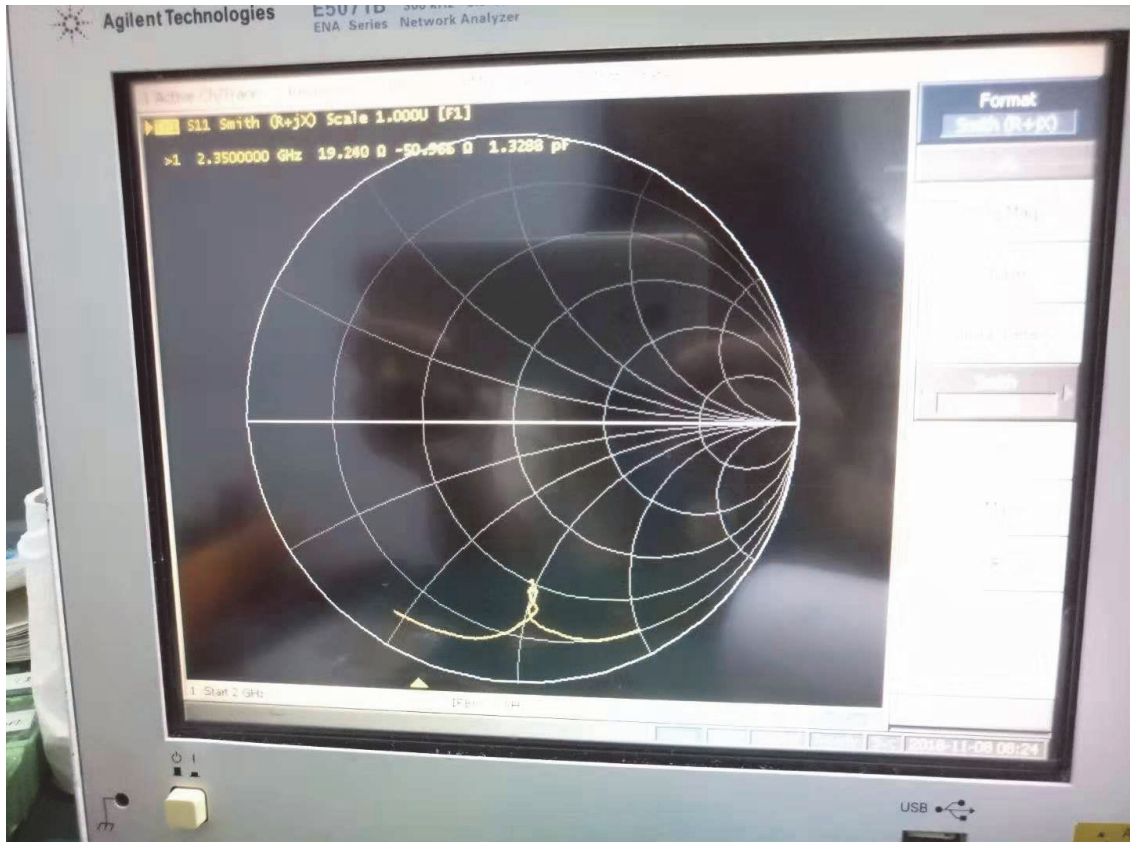
1. Test Setup



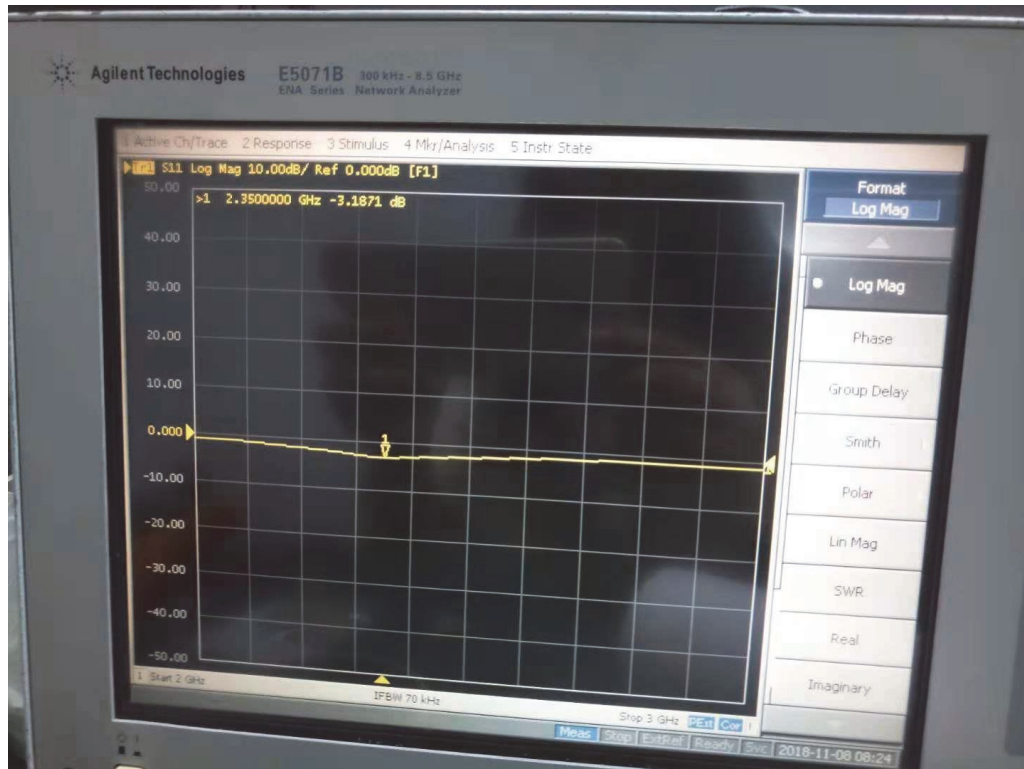
2.2.1 SWR



2.2.2 Smith Chart



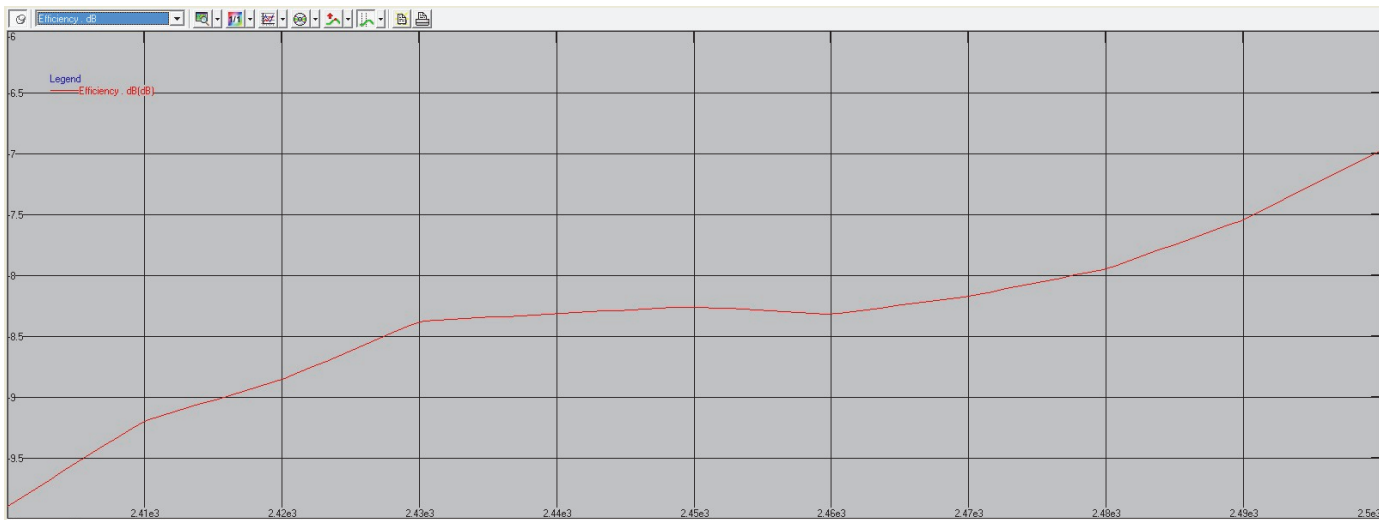
2.2.3 LOG MAG



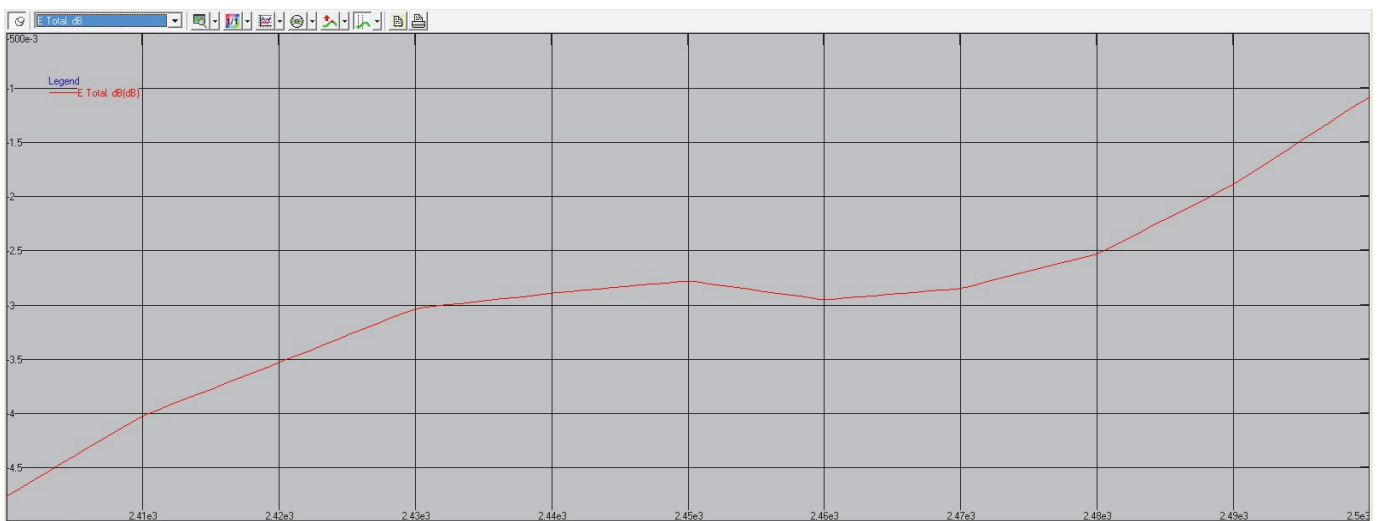
2.2.4 Gain and Efficiency

Frequency	Gain(dBi)	Efficiency
2400MHz	-4.76	10.25
2410MHz	-4.01	12.05
2420MHz	-3.52	13.01
2430MHz	-3.03	14.53
2440MHz	-2.89	14.75
2450MHz	-2.77	14.94
2460MHz	-2.95	14.72
2470MHz	-2.84	15.24
2480MHz	-2.53	16.04
2490MHz	-1.89	17.60
2500MHz	-1.07	20.05

Efficiency

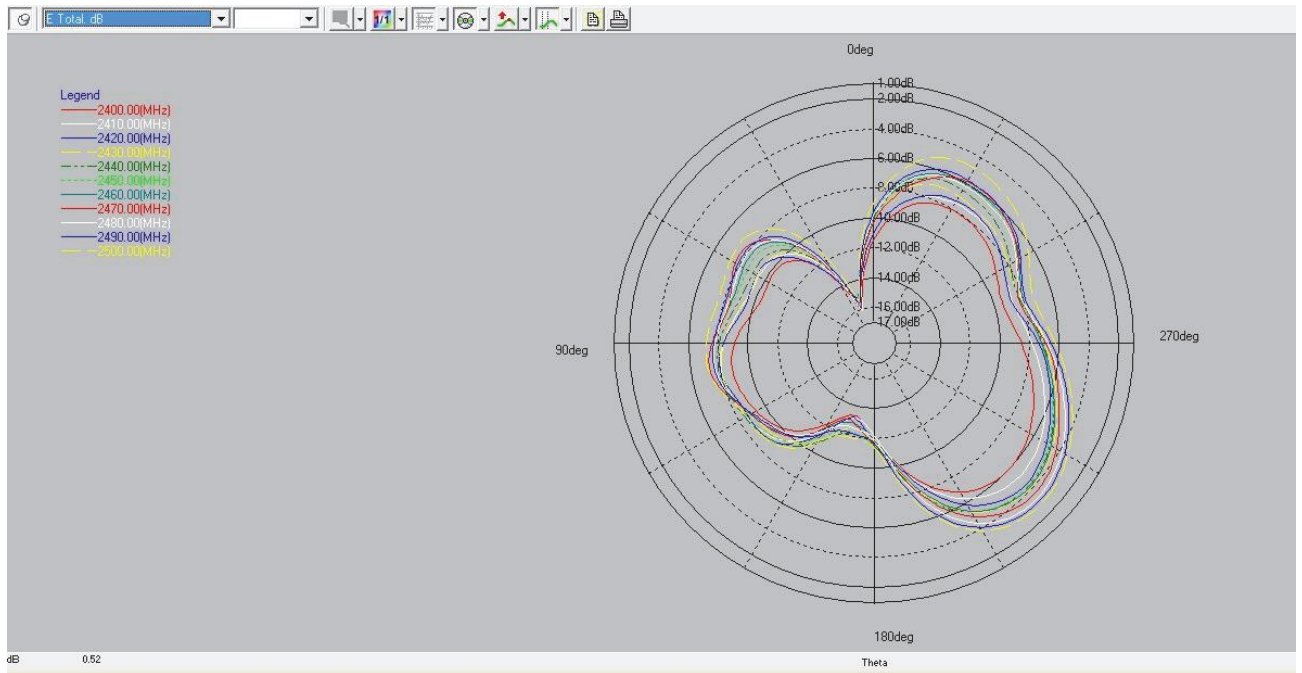


Peak Gain

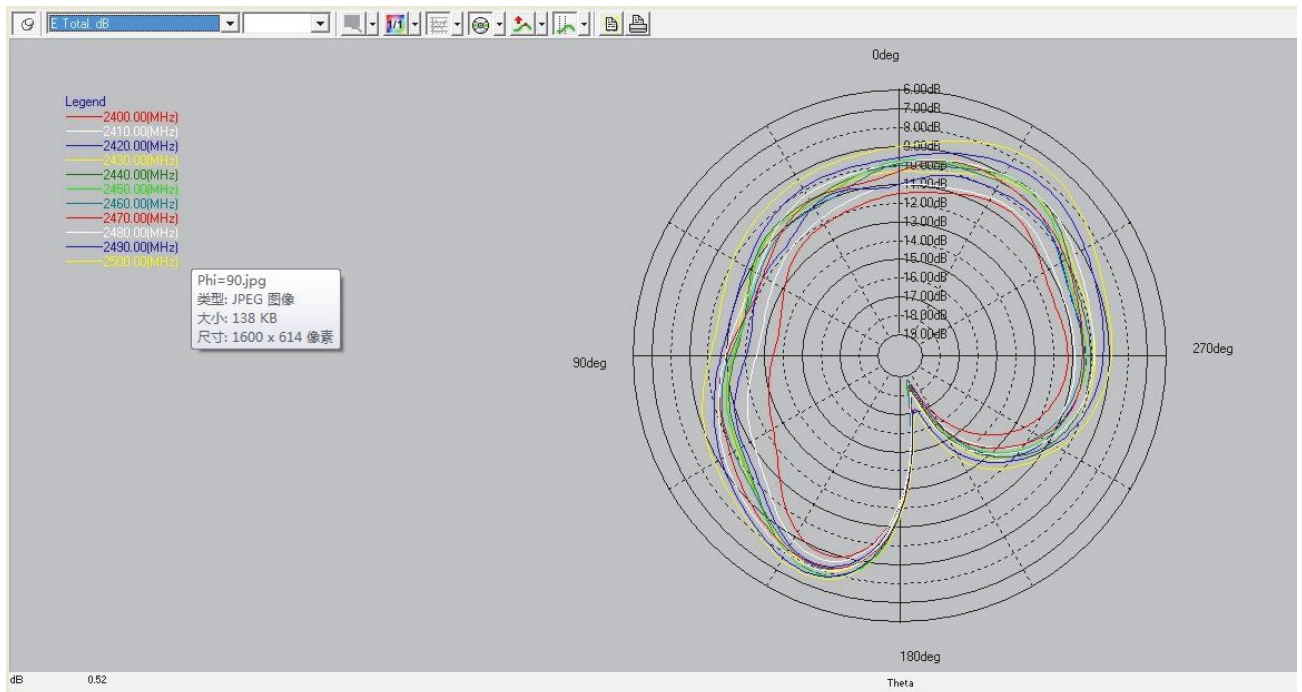


2.2.4 Polarization Direction

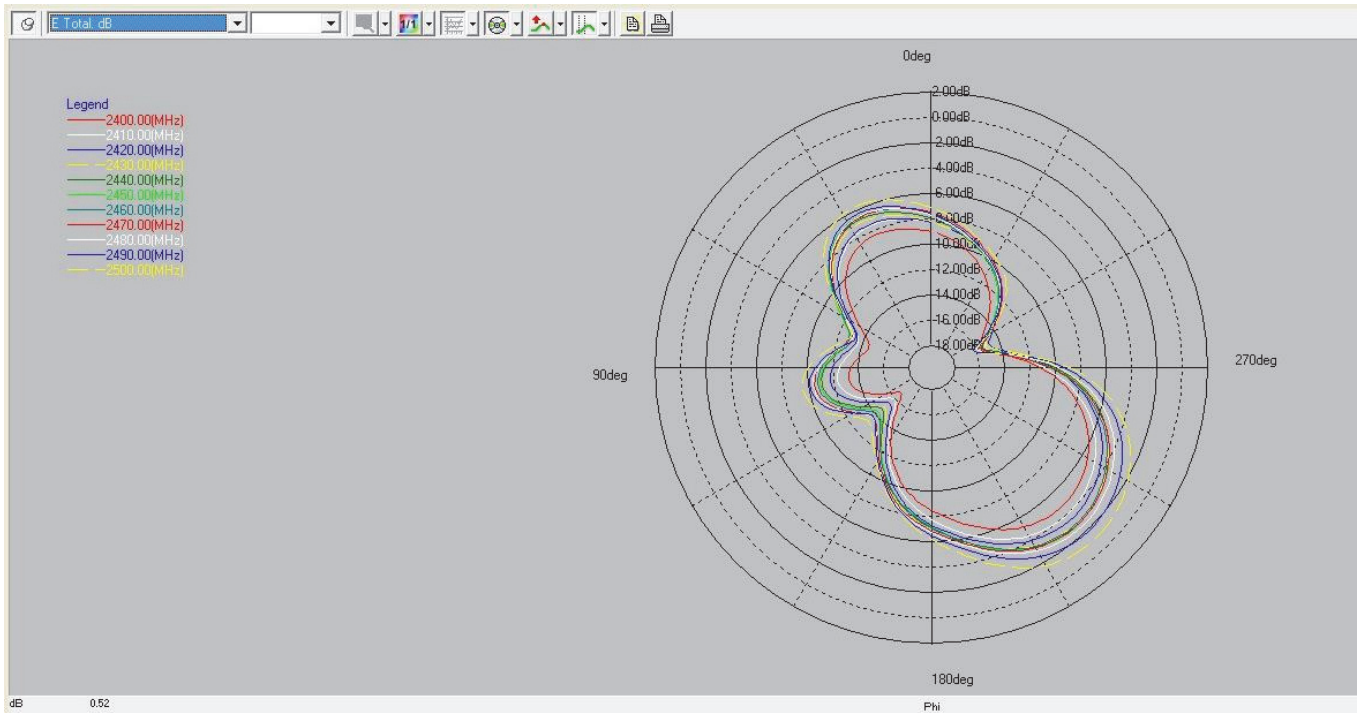
Phi=0



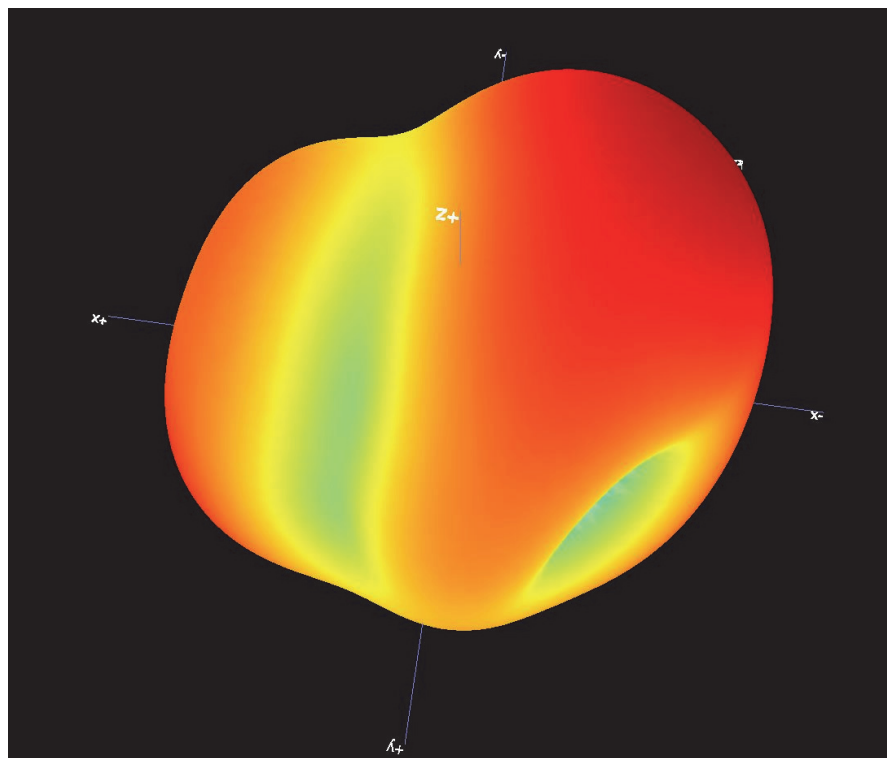
Phi=90

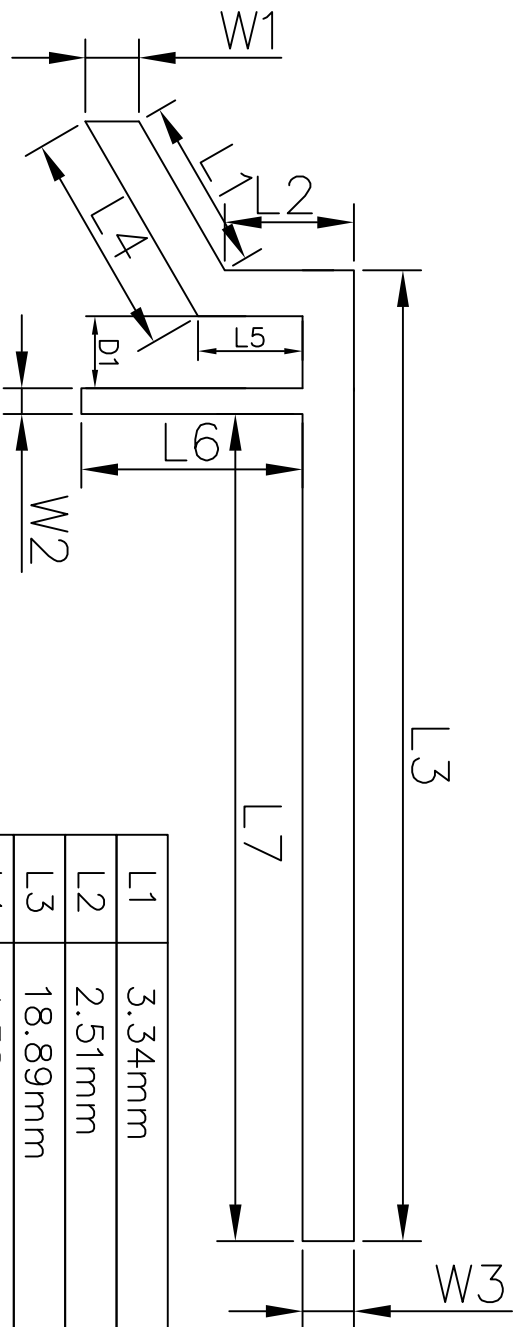


Phi=180



2.2.6 3D Antenna radiation pattern





Antenna Dimensions

L1	3.34mm
L2	2.51mm
L3	18.89mm
L4	4.38mm
L5	2.03mm
L6	4.31mm
L7	16.1mm
D1	1.4mm
W1	1.04mm
W2	0.5mm
W3	1mm