

# 天线性能测试规格书

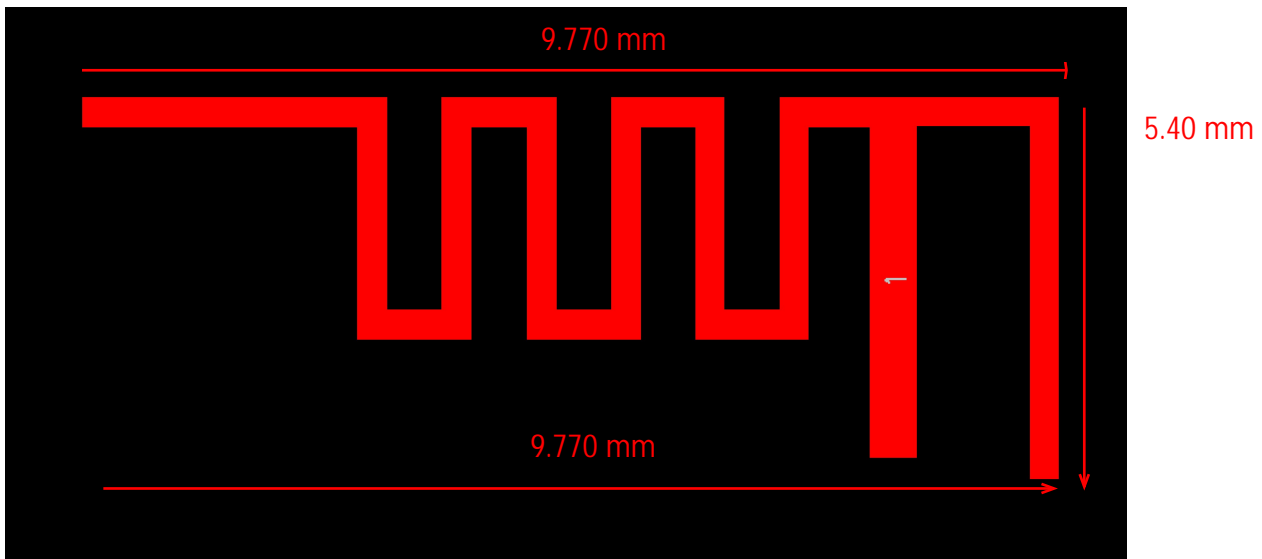
SHENZHEN AL ANTE TECHNOLOGY CO LTD  
Building A3, Shaming Industrial park, Mananshan, Shajing, Baoan district,  
shenzhen

## Applications

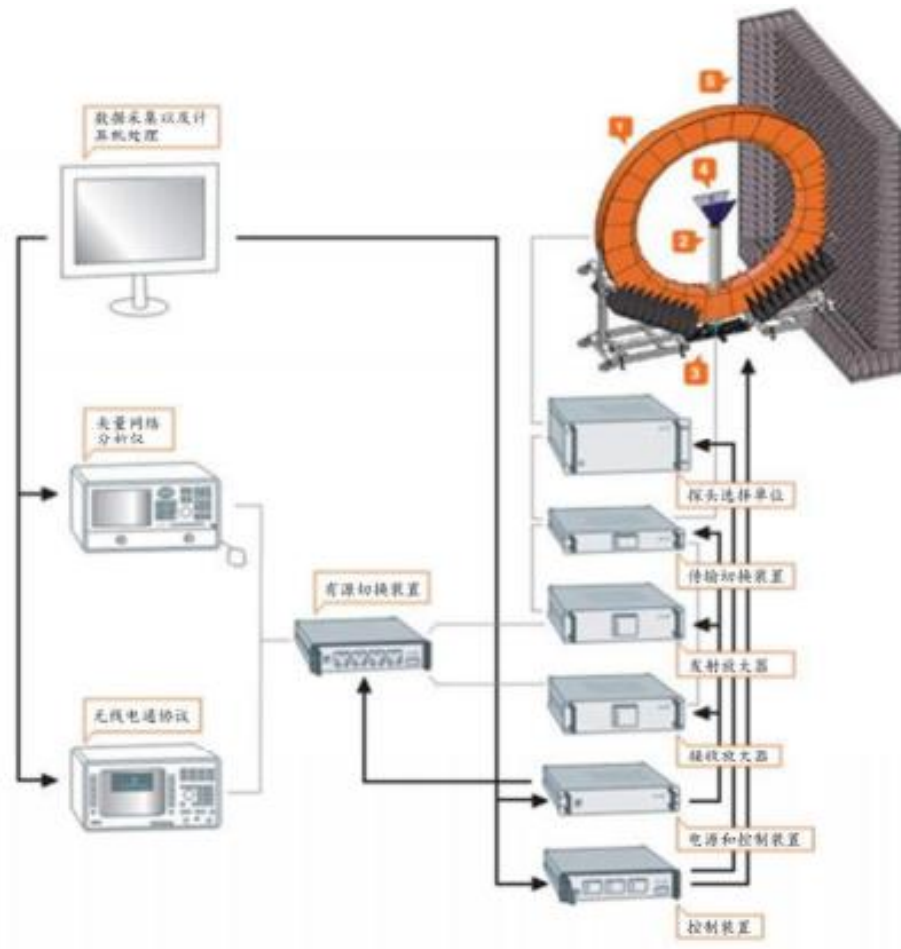
※Bluetooth Home RF

※ISM band 2.4GHz applications

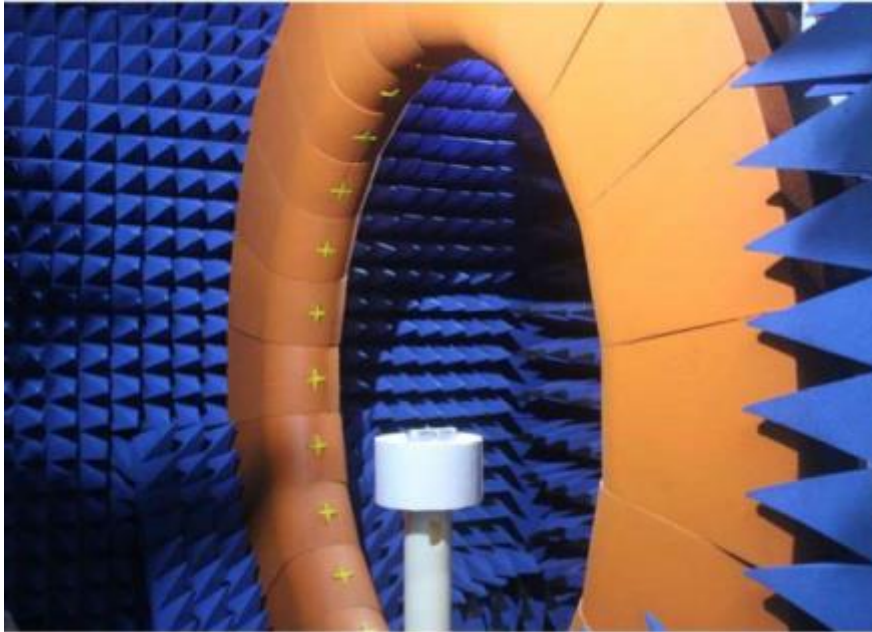
### 1. Dimensions



# Test equipment and test environment



## Test equipment



Anechoic chamber

### The main test indicators:

Passive indicators

Gain

Efficiency

3D pattern

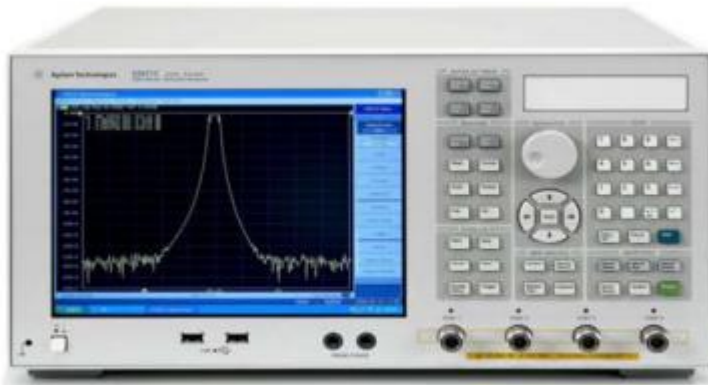
Active index

Total Radiated Power

Total receiving sensitivity

Frequency: 0.4GHz~6GHz

Test equipment



Vector Network Analyzer Agilent E5071C

Frequency: 300 kHz~8.5GHz



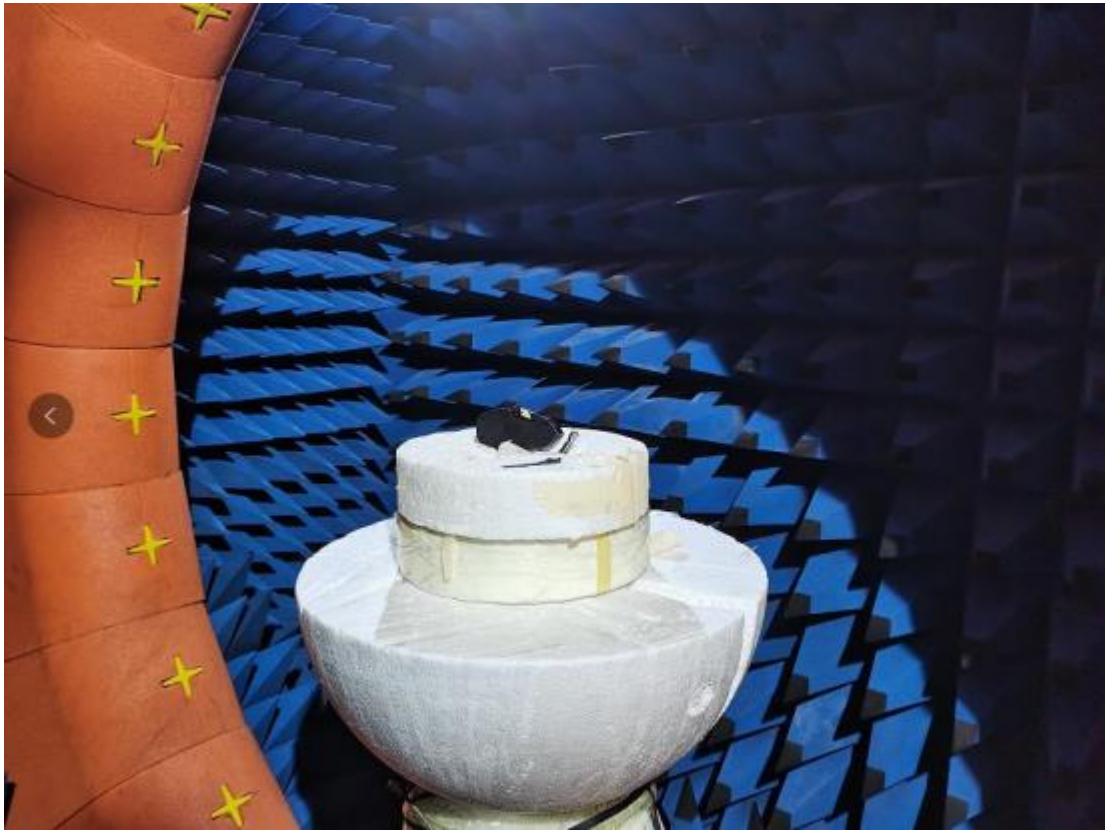
Wideband Wireless Communication Tester R&S CMW500

GSM/3G/4G

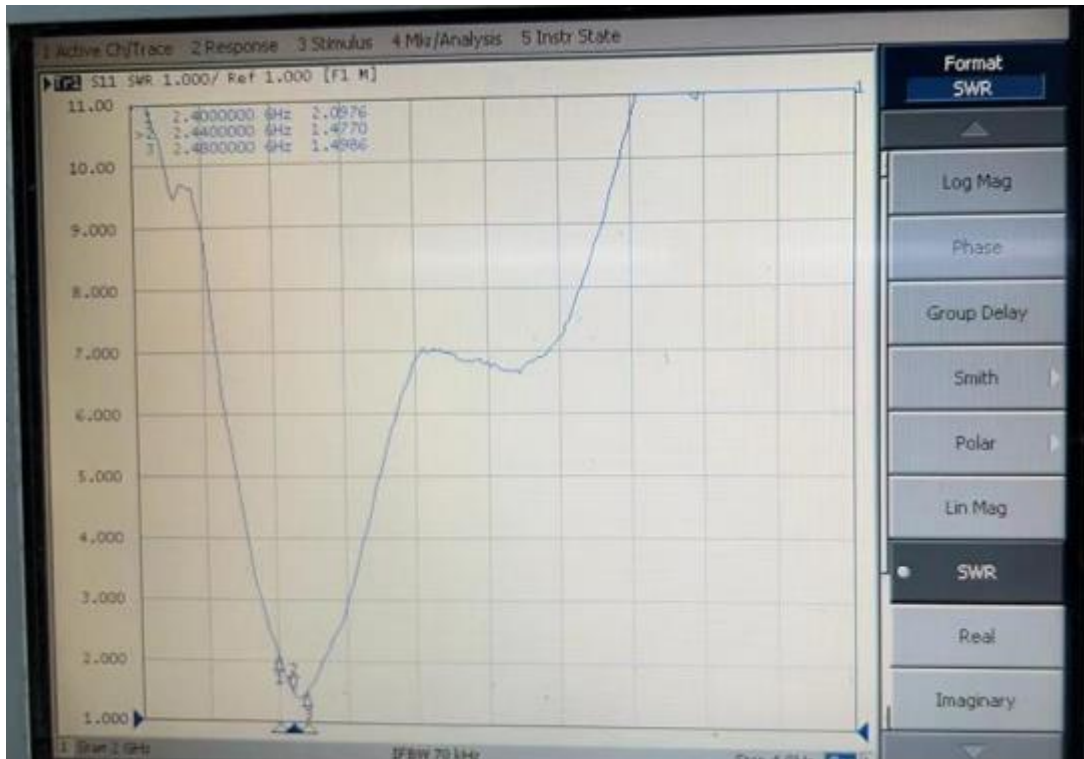
WIFI/ Bluetooth

NB-IoT

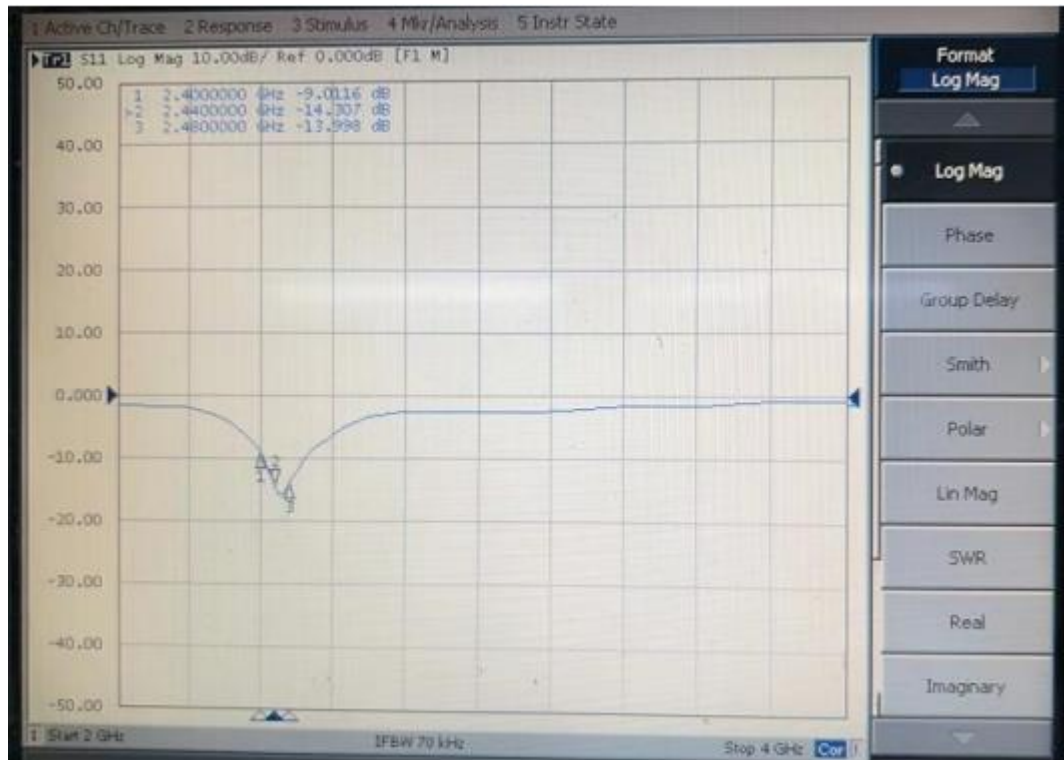
Test photos



## Antenna SWR



## Antenna Return loss

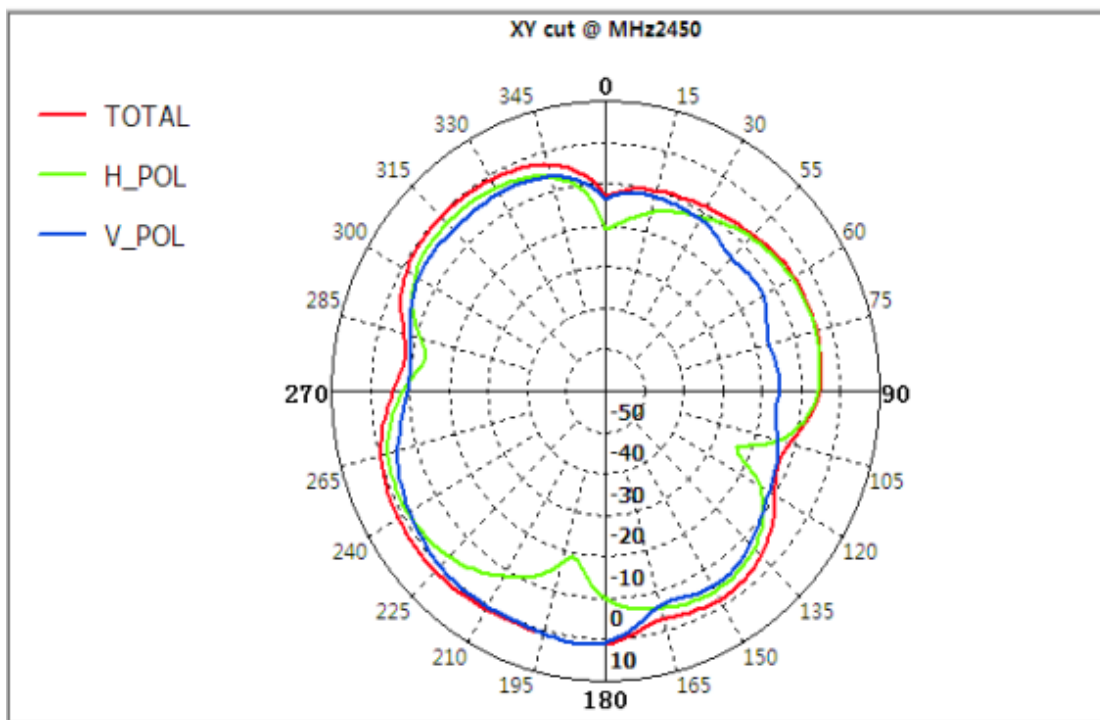
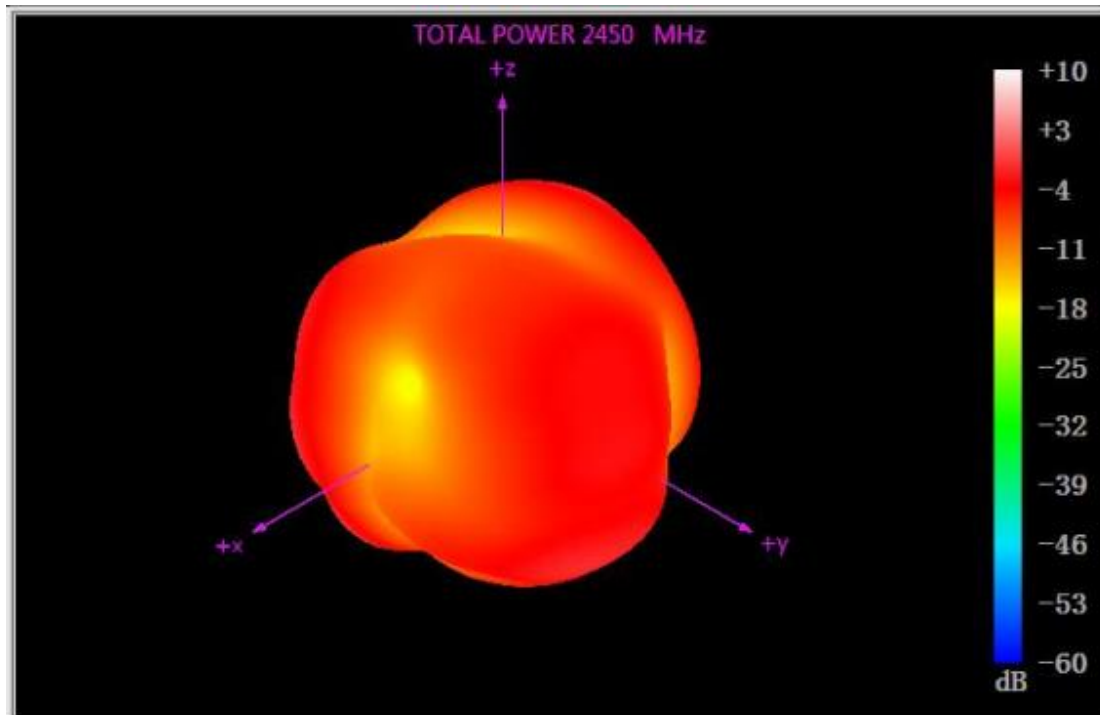


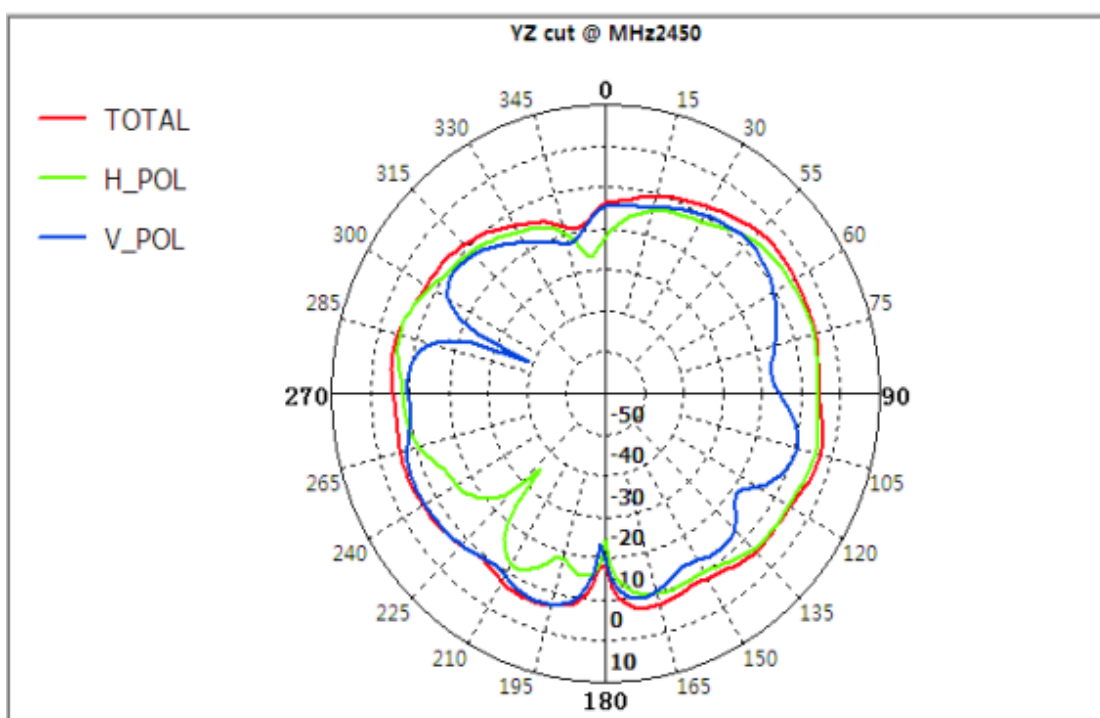
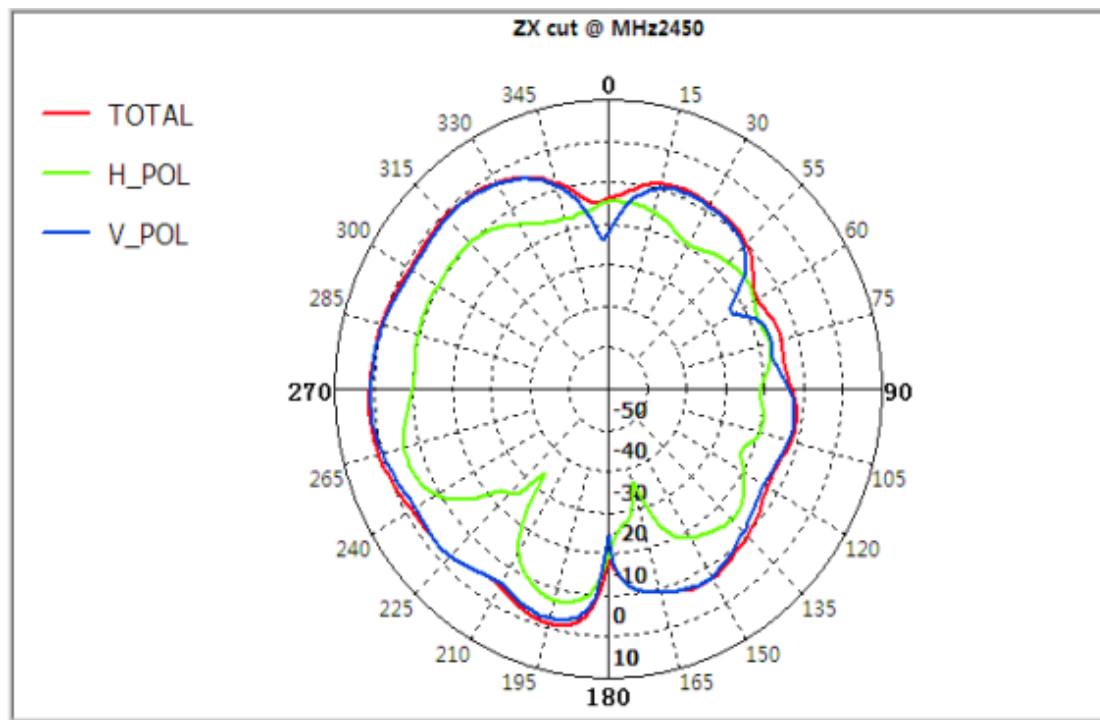
## Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	42.59	1.99
2410	41.86	1.8
2420	44.06	2.24
2430	43.67	2.18
2440	43.57	2.28
2450	43.38	2.12
2460	42.68	2.07
2470	43.46	2.16
2480	42.96	2.21
2490	44.57	2.51
2500	45.27	2.55



# Antenna Radiation Pattern





# Antenna Radiation Pattern

